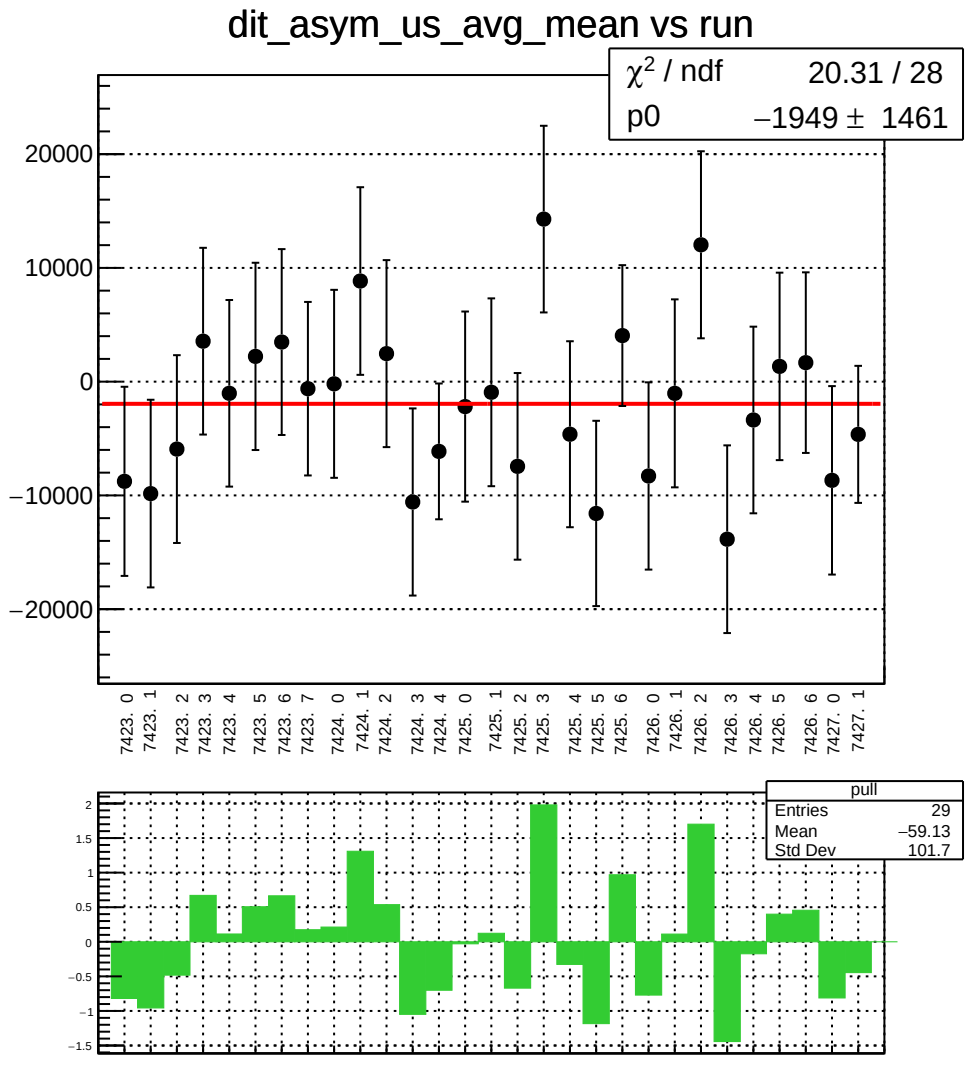
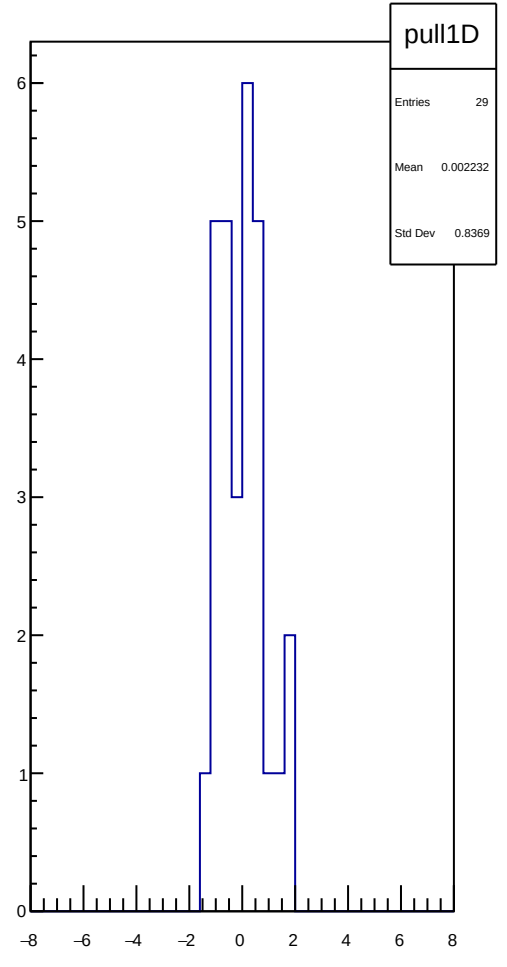
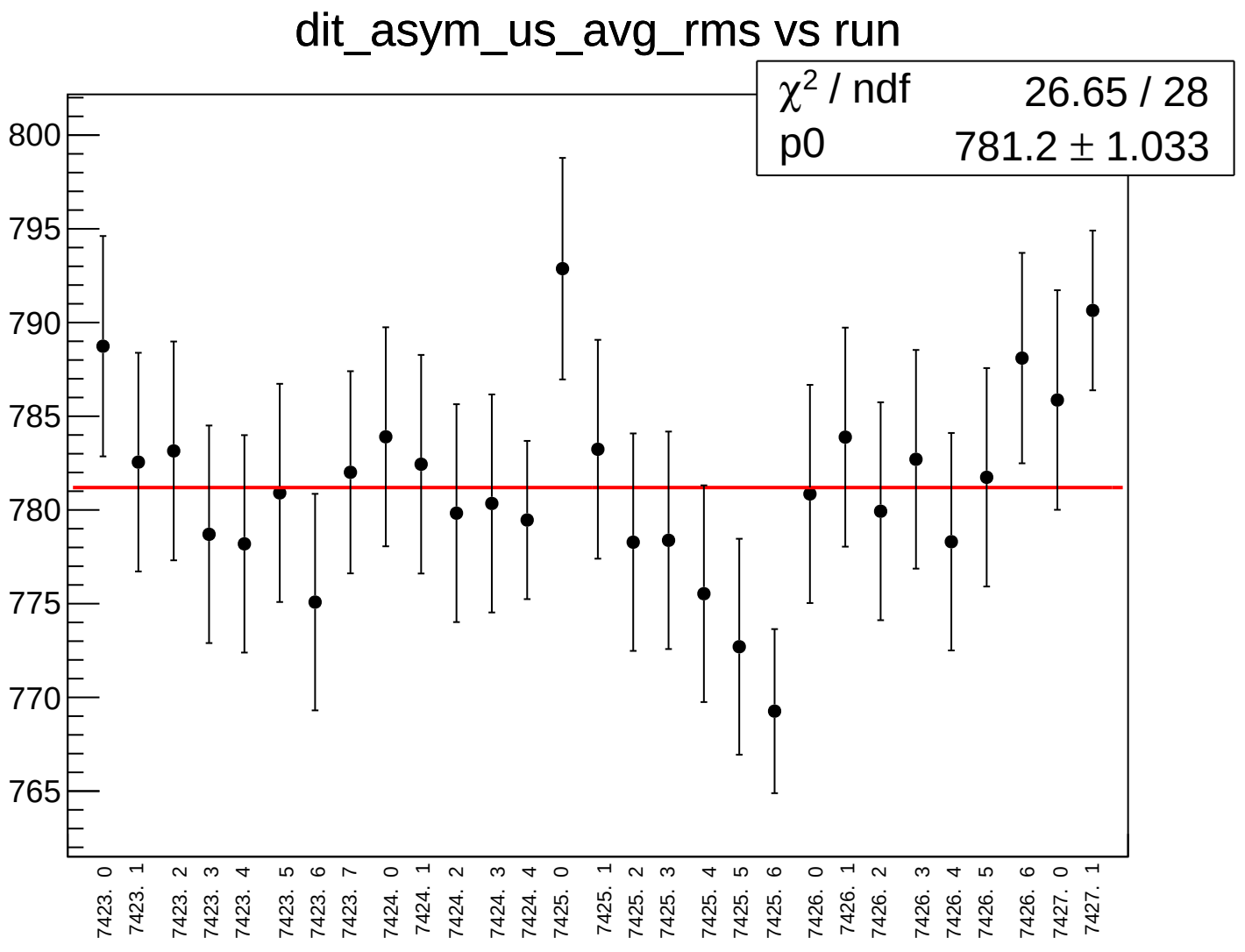
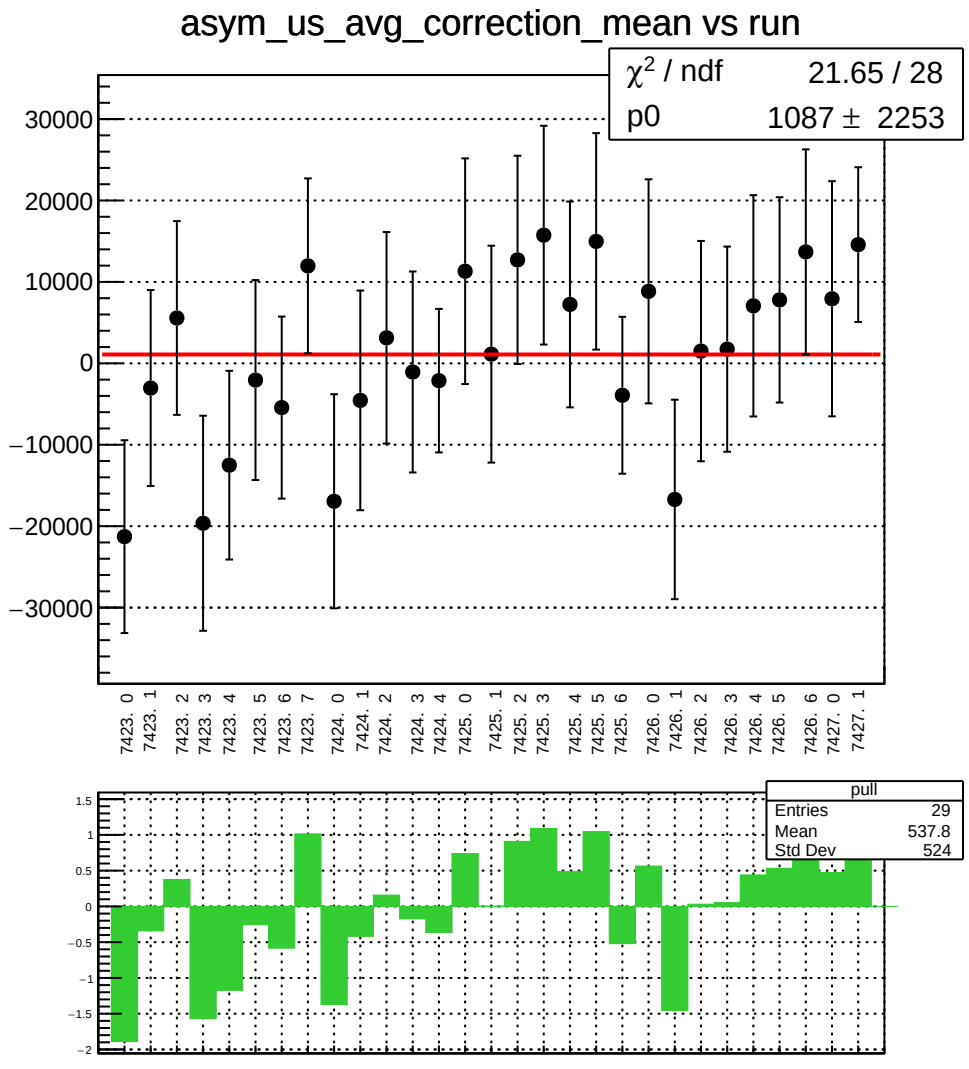
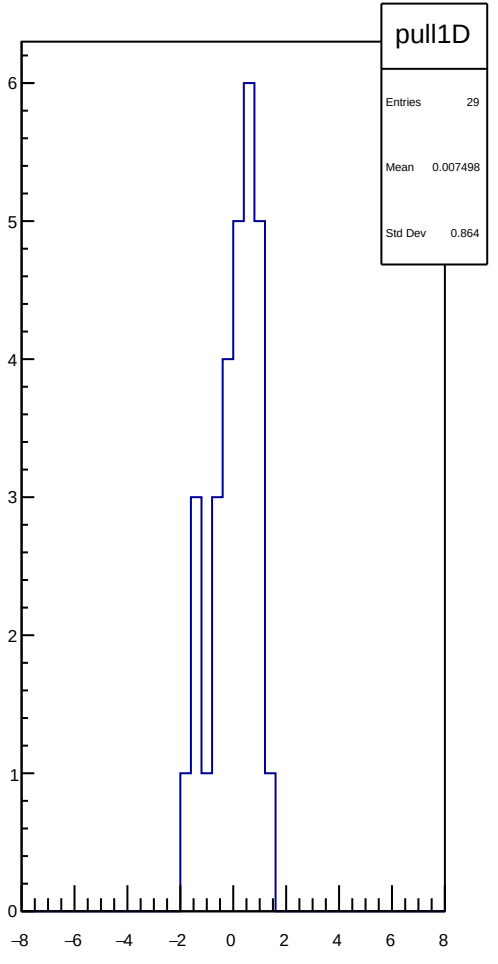
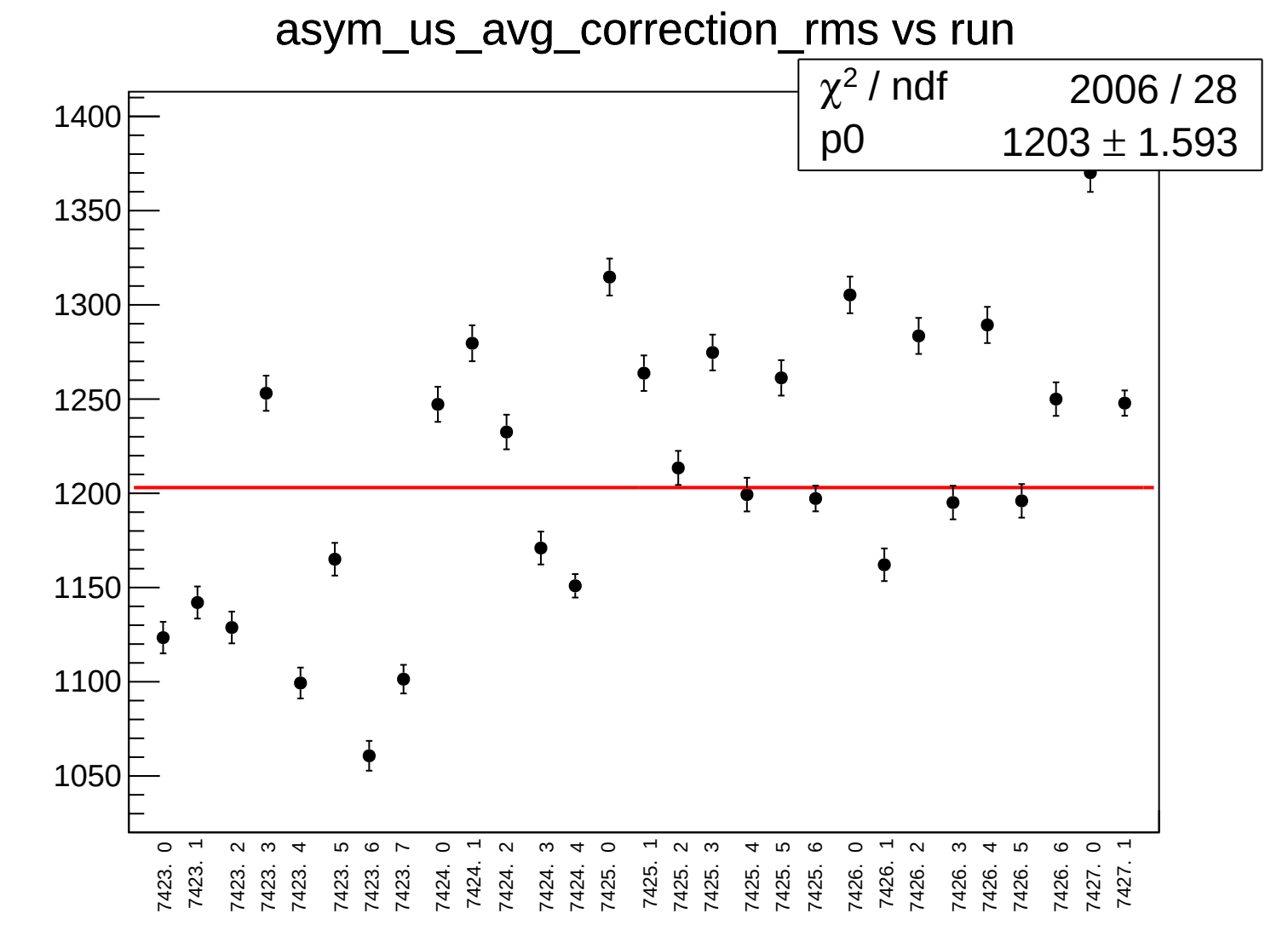

dit_asym_us_avg_mean vs run
χ² / ndf 20.31 / 28
p0 −1949 ± 1461
20000
10000
0
−10000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −59.13
Std Dev 101.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

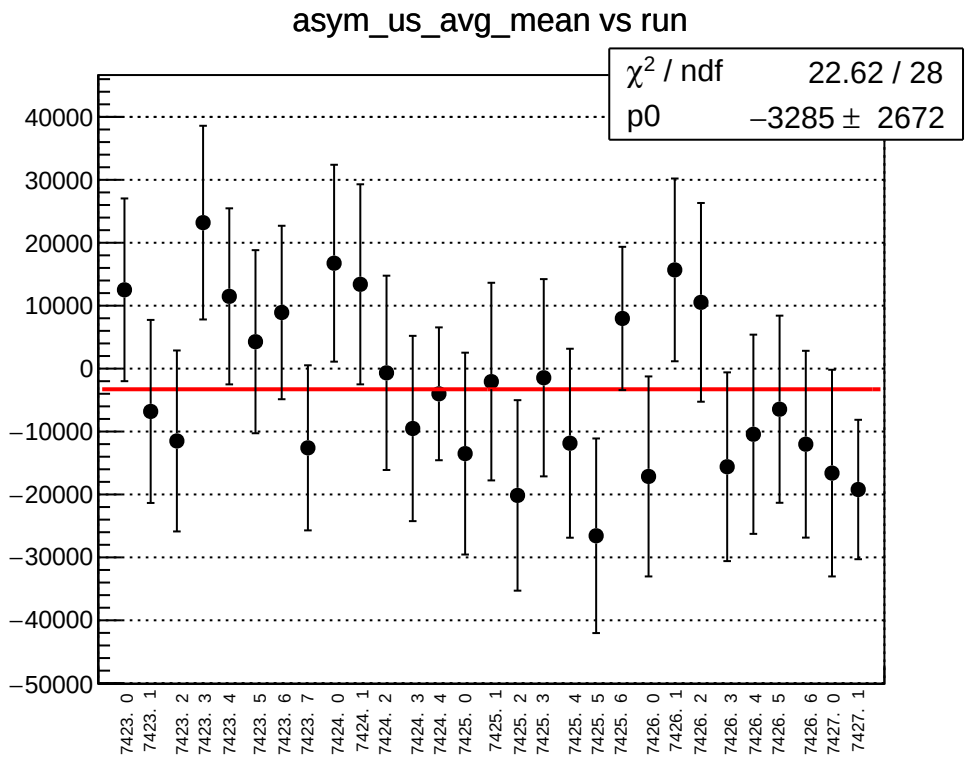

pull1D
Entries 29
Mean 0.002232
Std Dev 0.8369
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

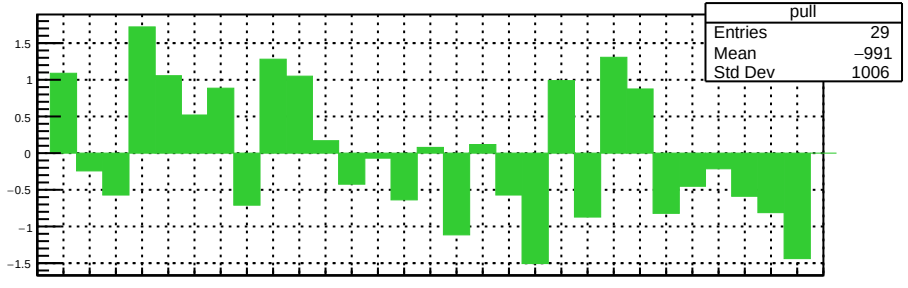

dit_asym_us_avg_rms vs run
χ² / ndf 26.65 / 28
p0 781.2 ± 1.033
800
795
790
785
780
775
770
765
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

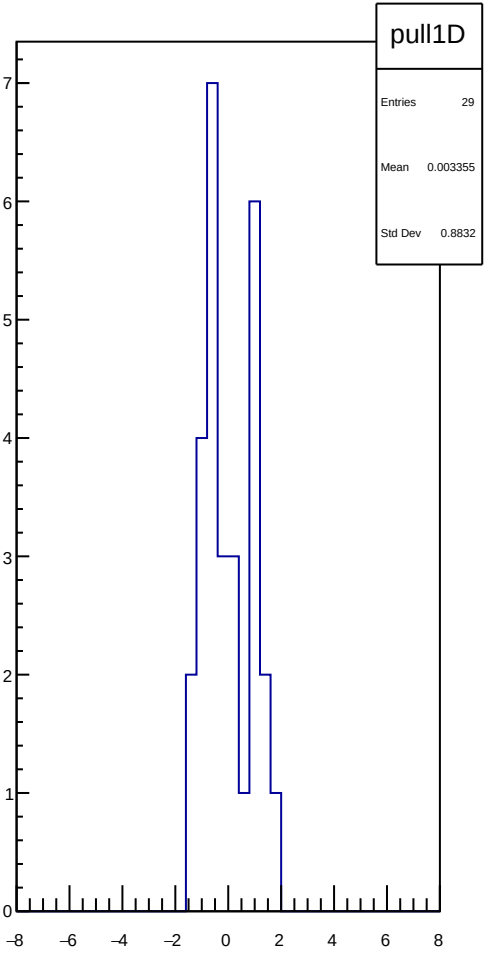

asym_us_avg_correction_mean vs run
χ² / ndf 21.65 / 28
p0 1087 ± 2253
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 537.8
Std Dev 524
1.5
1
0.5
0
−0.5
−1
−1.5
−2

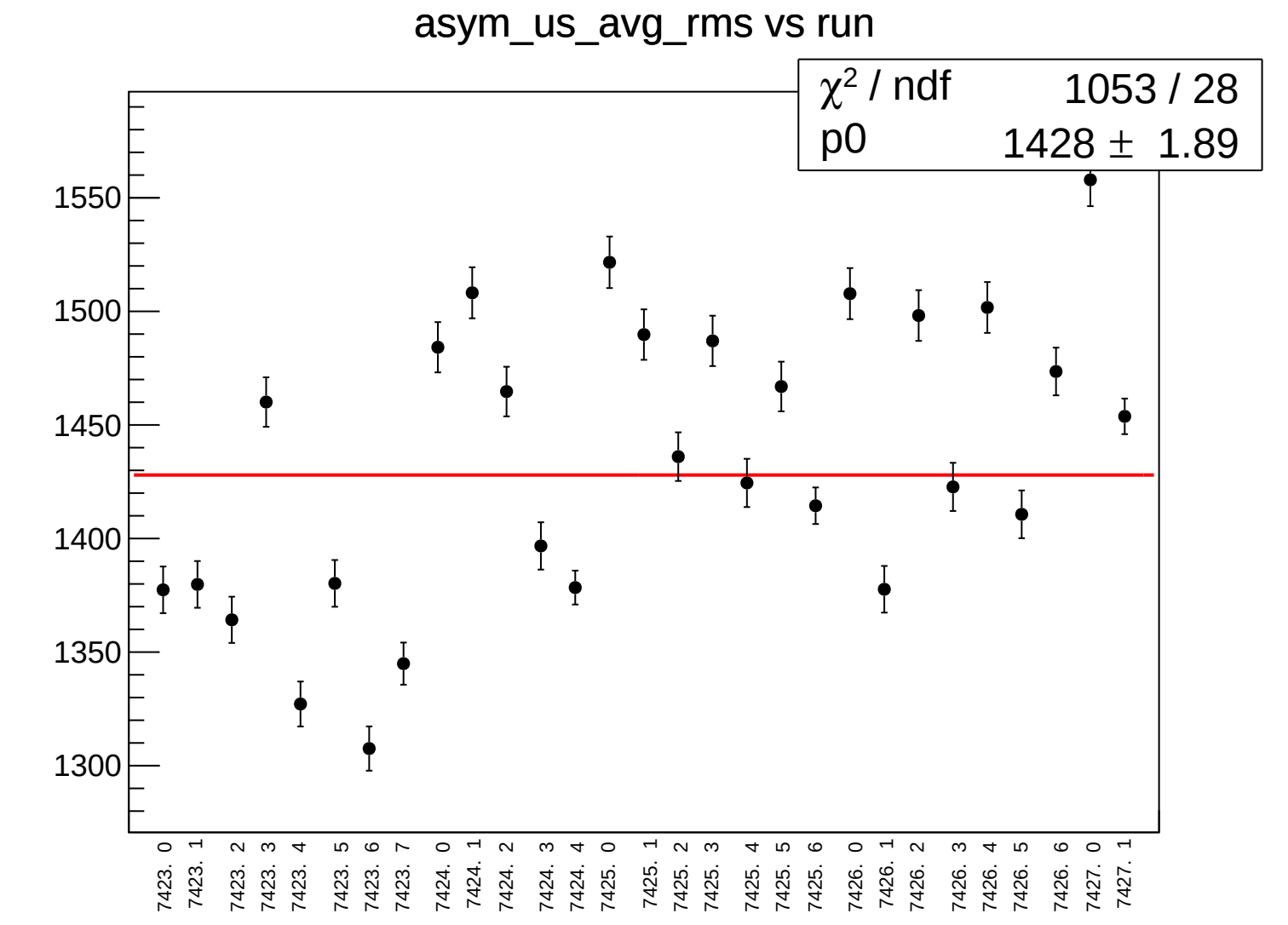

pull1D
Entries 29
Mean 0.007498
Std Dev 0.864
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

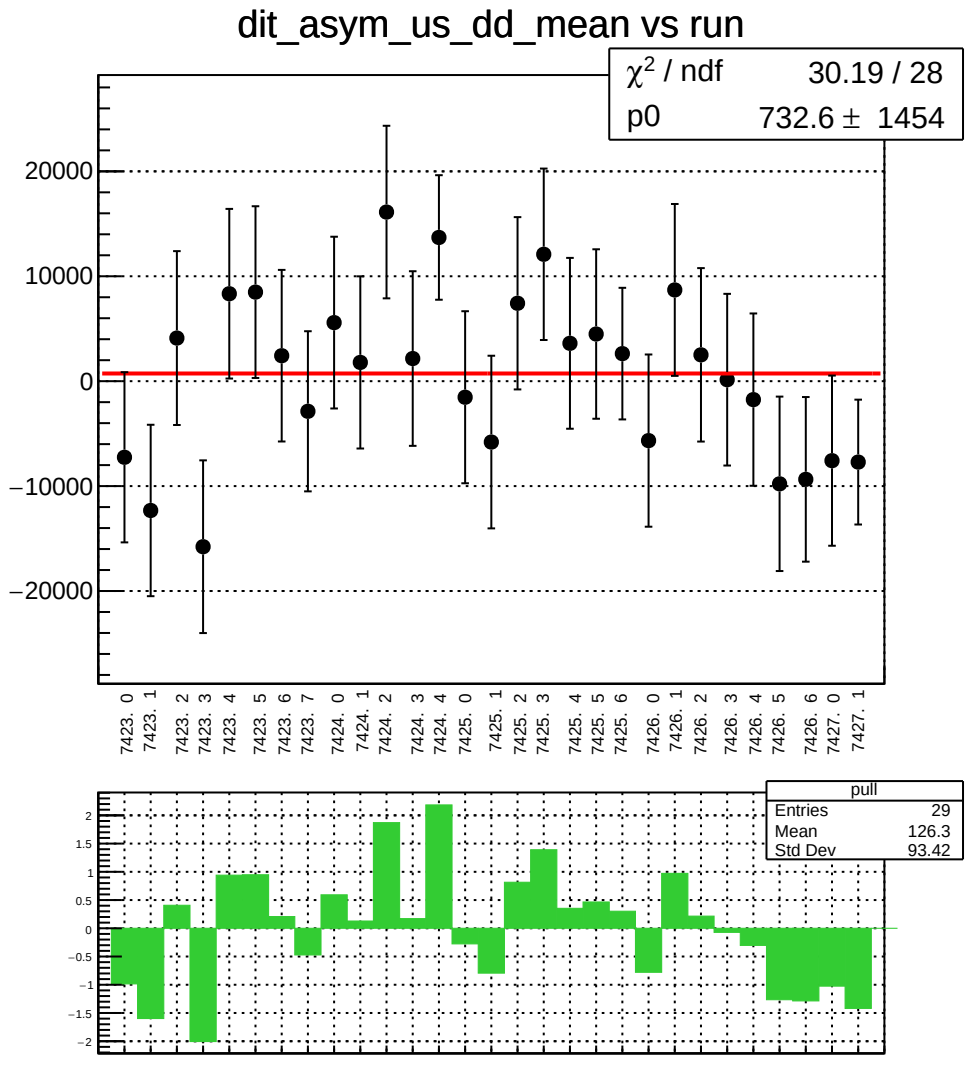

asym_us_avg_correction_rms vs run
χ² / ndf 2006 / 28
p0 1203 ± 1.593
1400
1350
1300
1250
1200
1150
1100
1050
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

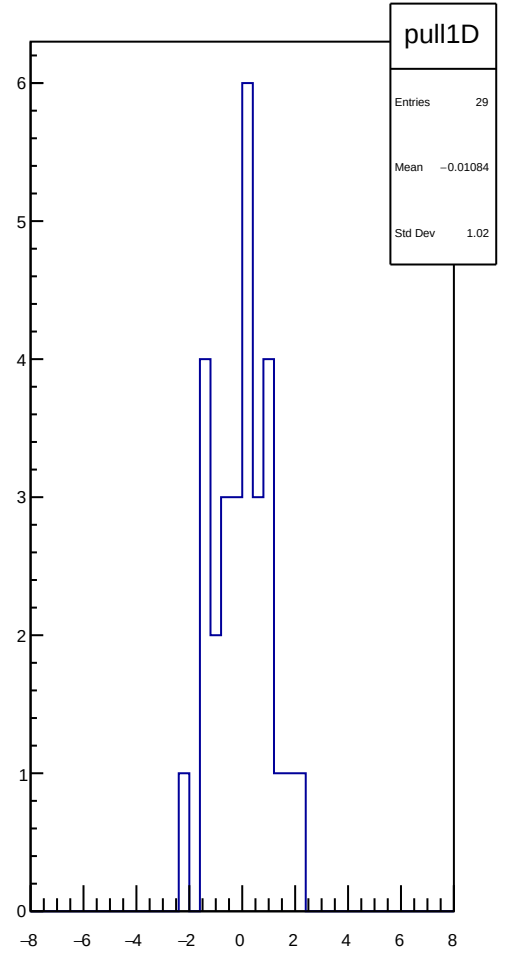

asym_us_avg_mean vs run
χ² / ndf 22.62 / 28
p0 −3285 ± 2672
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

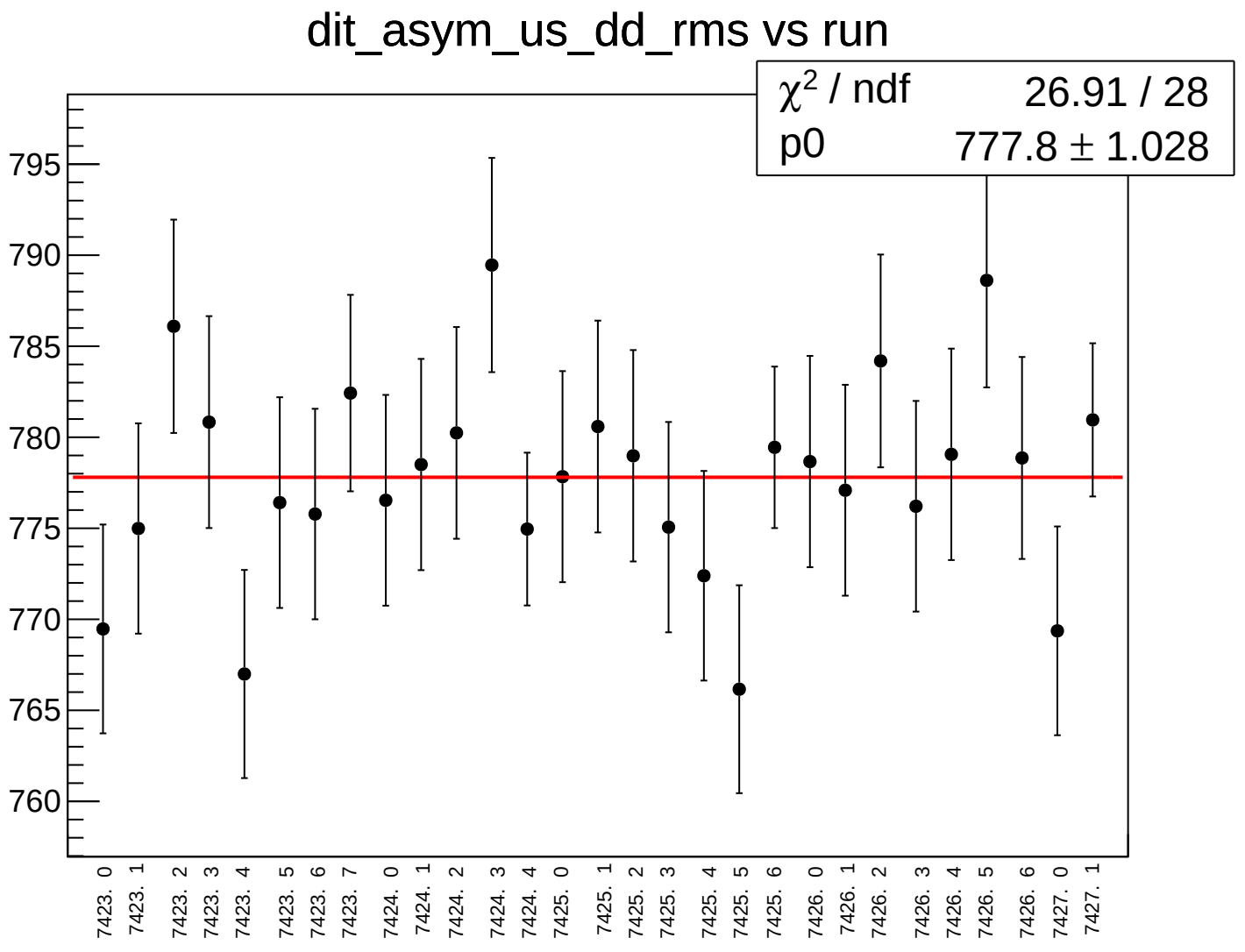

pull
Entries 29
Mean −991
Std Dev 1006
1.5
1
0.5
0
−0.5
−1
−1.5

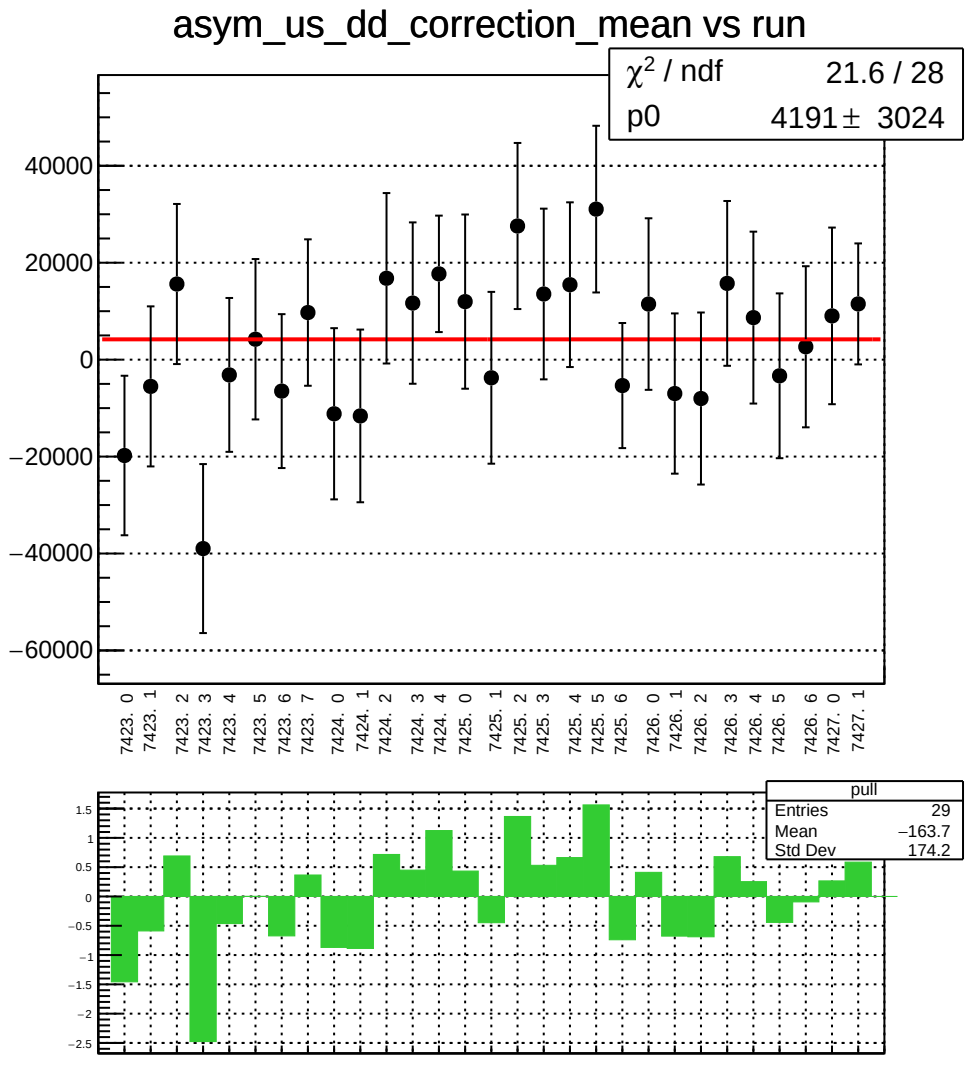

pull1D
Entries 29
Mean 0.003355
Std Dev 0.8832
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

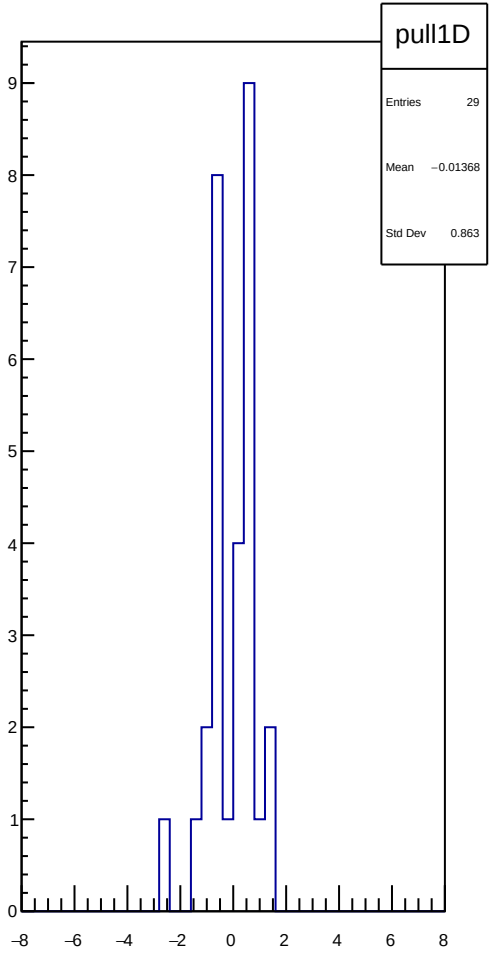

asym_us_avg_rms vs run
χ² / ndf 1053 / 28
p0 1428 ± 1.89
1550
1500
1450
1400
1350
1300
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

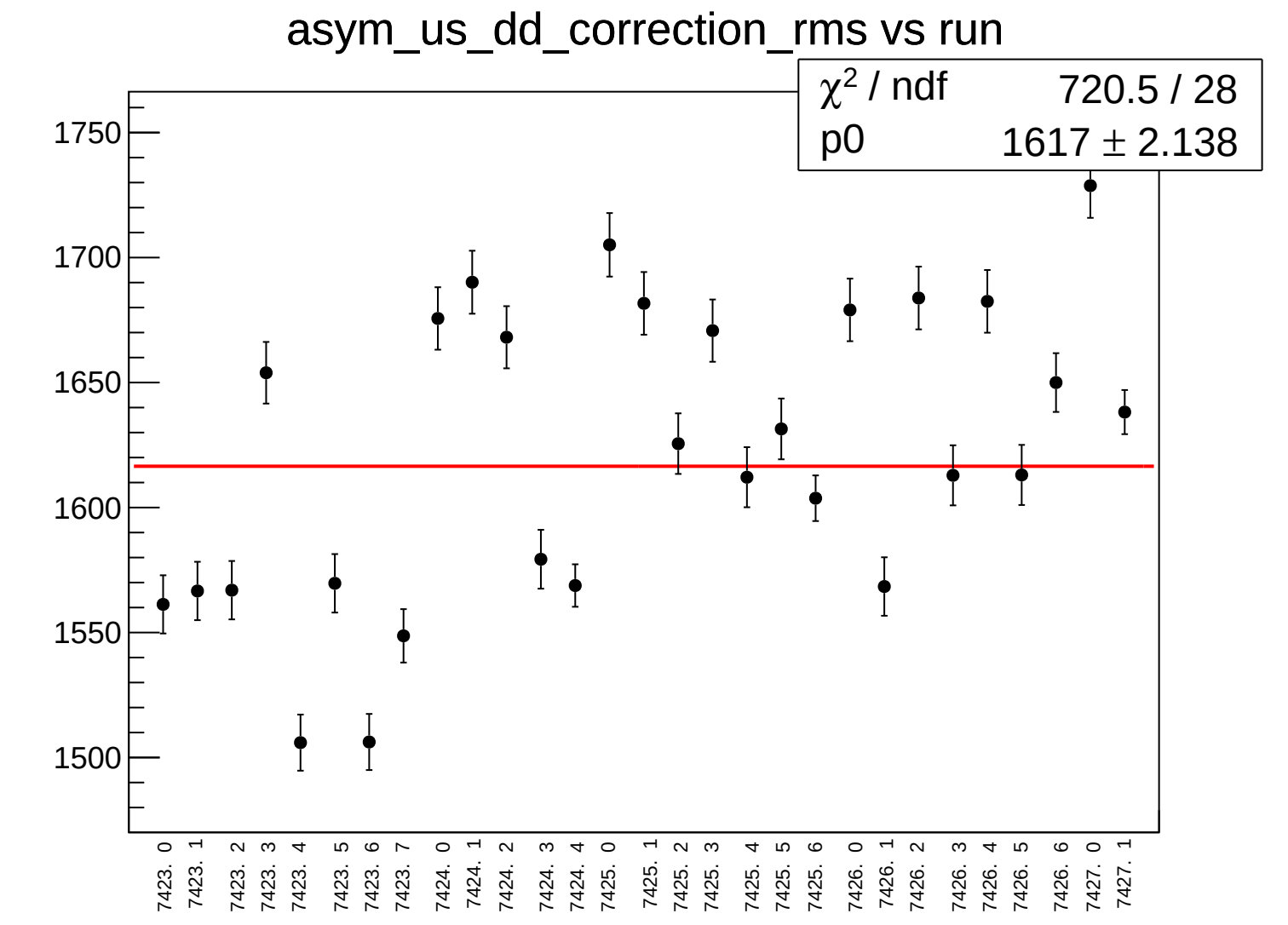

dit_asym_us_dd_mean vs run
χ² / ndf 30.19 / 28
p0 732.6 ± 1454
20000
10000
0
−10000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 126.3
Std Dev 93.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

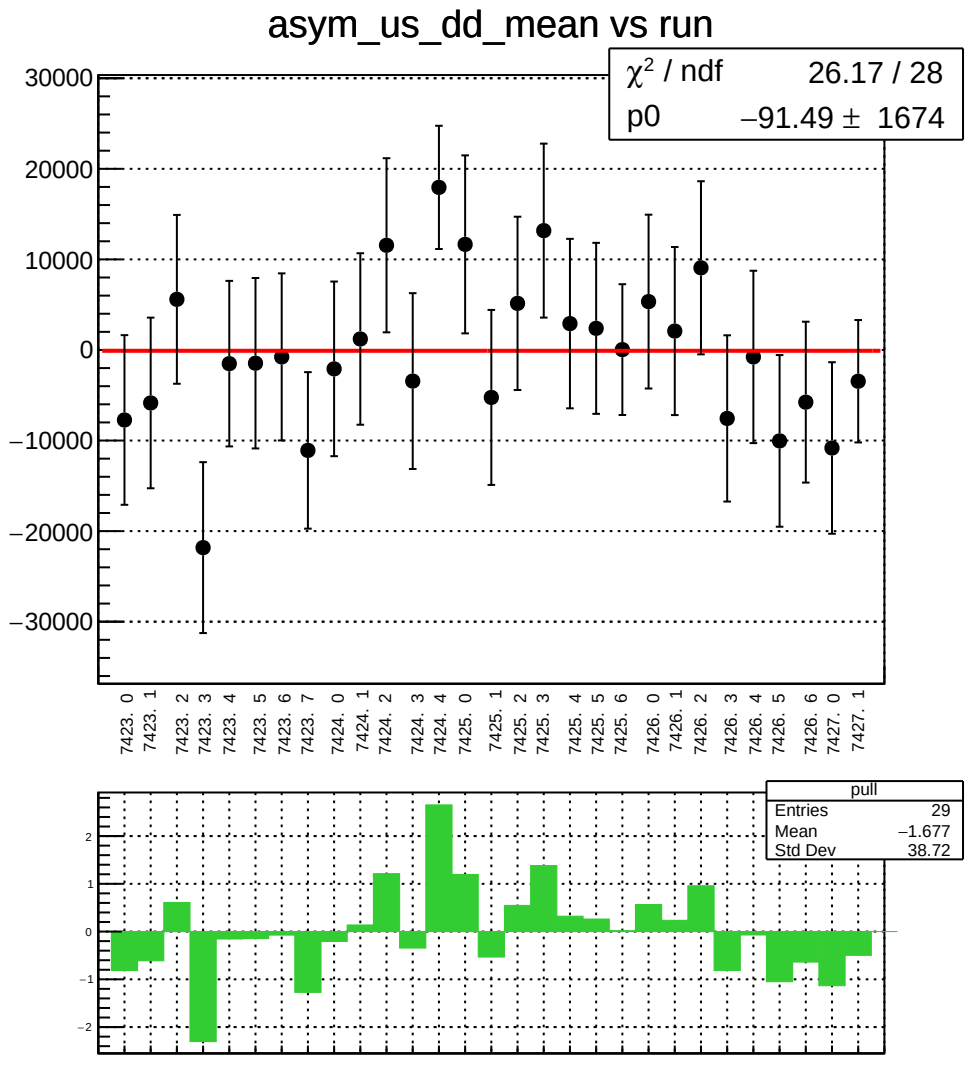

pull1D
Entries 29
Mean −0.01084
Std Dev 1.02
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

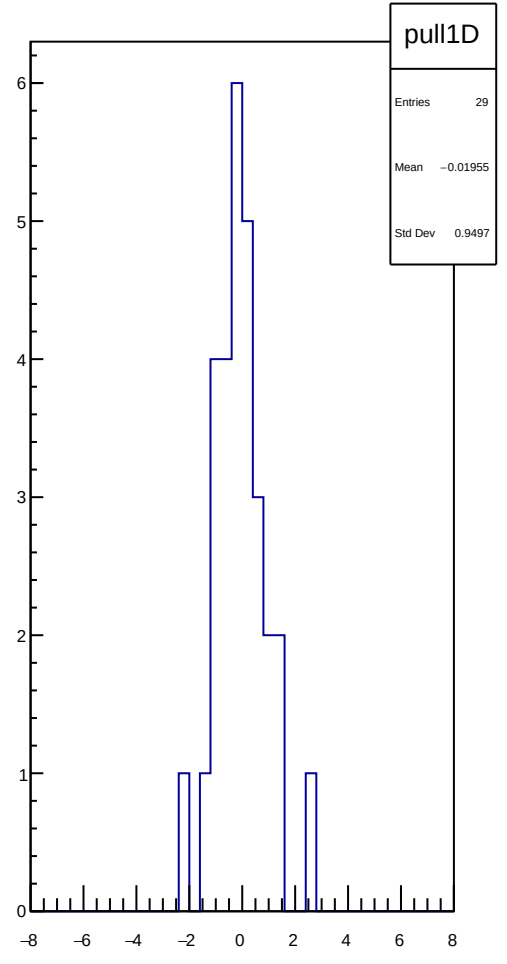

dit_asym_us_dd_rms vs run
χ² / ndf 26.91 / 28
p0 777.8 ± 1.028
795
790
785
780
775
770
765
760
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

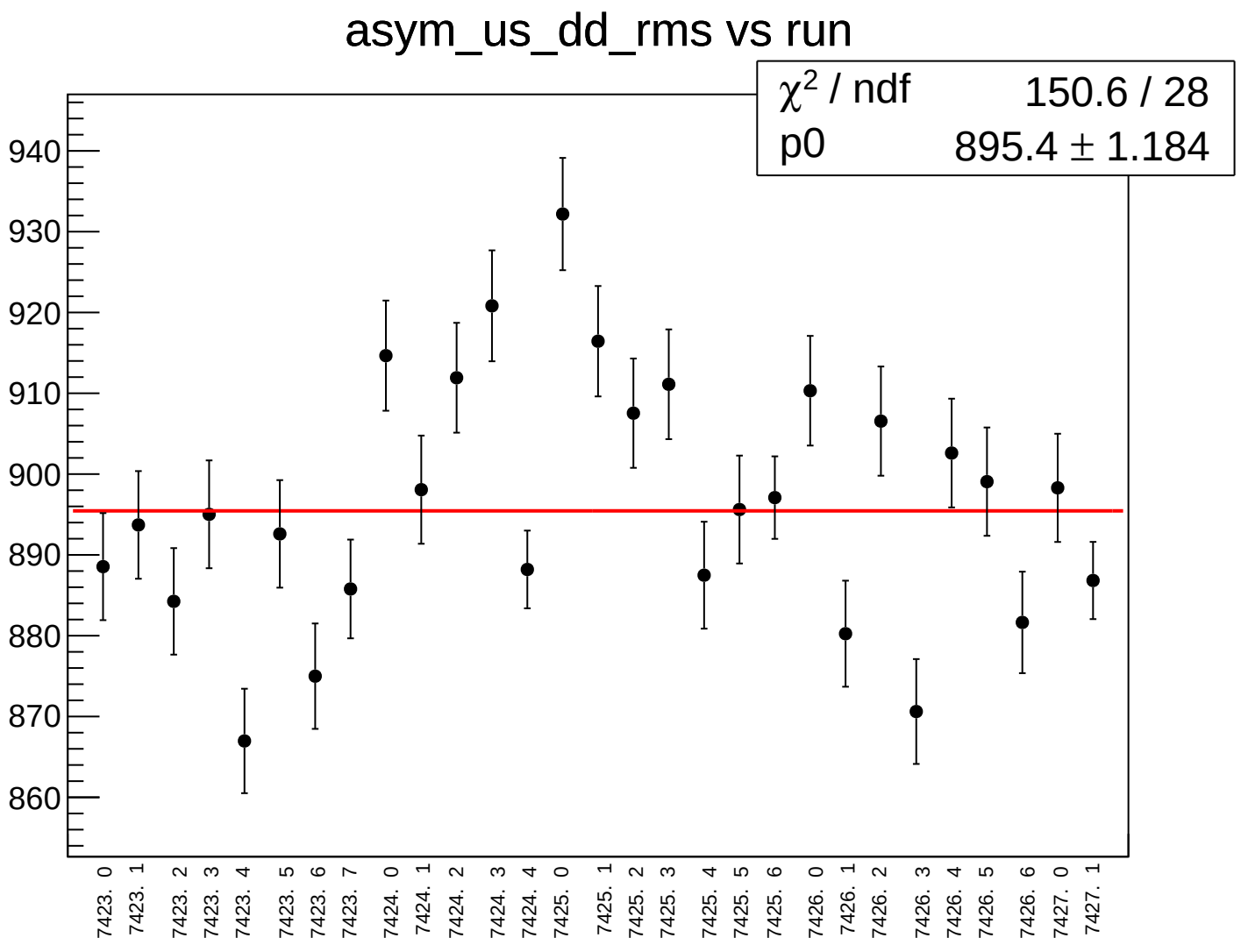

asym_us_dd_correction_mean vs run
χ² / ndf 21.6 / 28
p0 4191 ± 3024
40000
20000
0
−20000
−40000
−60000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −163.7
Std Dev 174.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

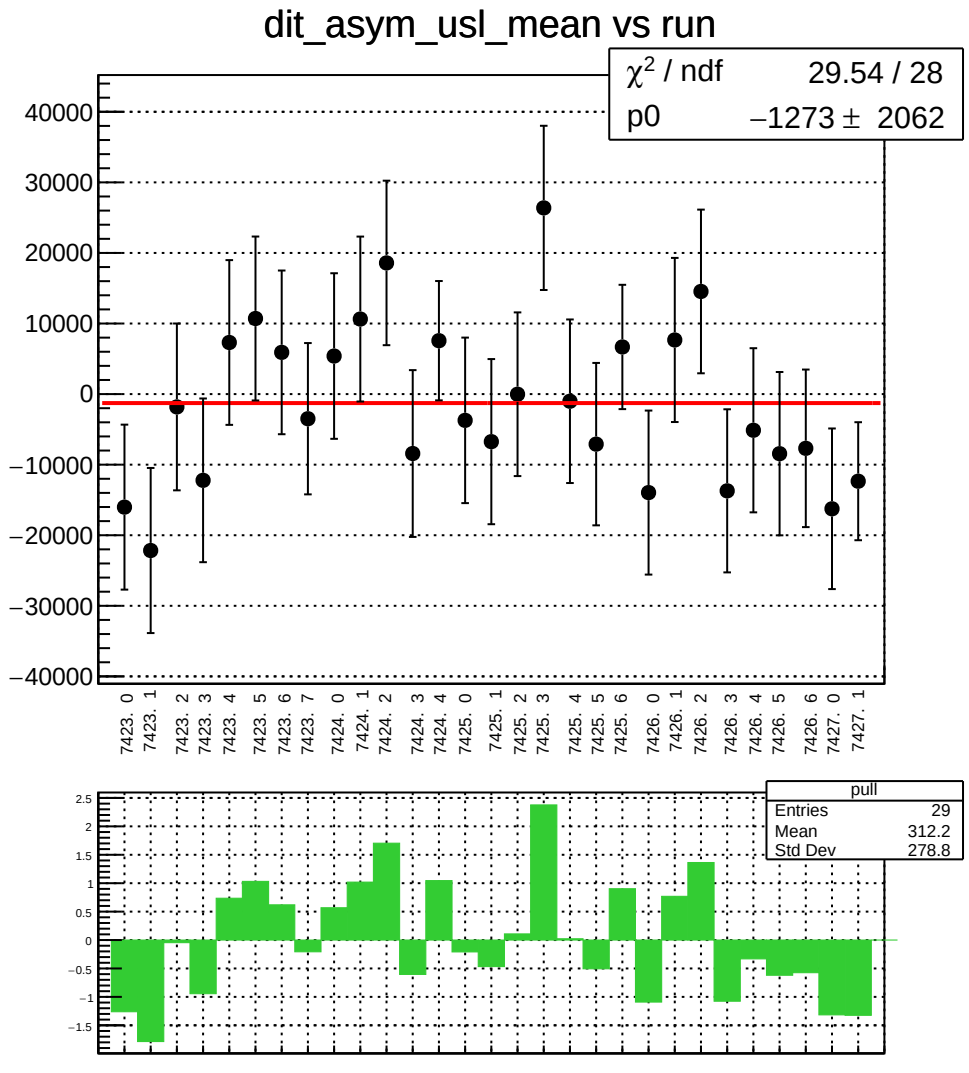

pull1D
Entries 29
Mean −0.01368
Std Dev 0.863
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

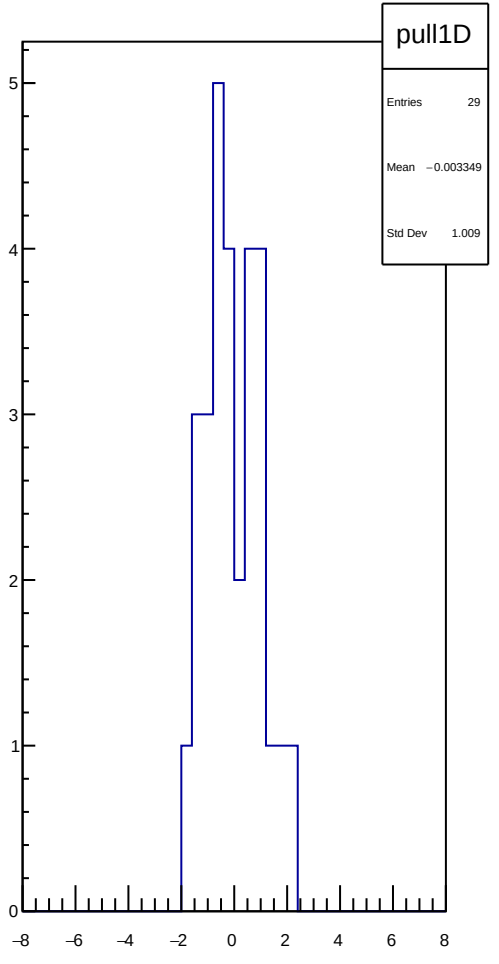

asym_us_dd_correction_rms vs run
χ² / ndf 720.5 / 28
p0 1617 ± 2.138
1750
1700
1650
1600
1550
1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

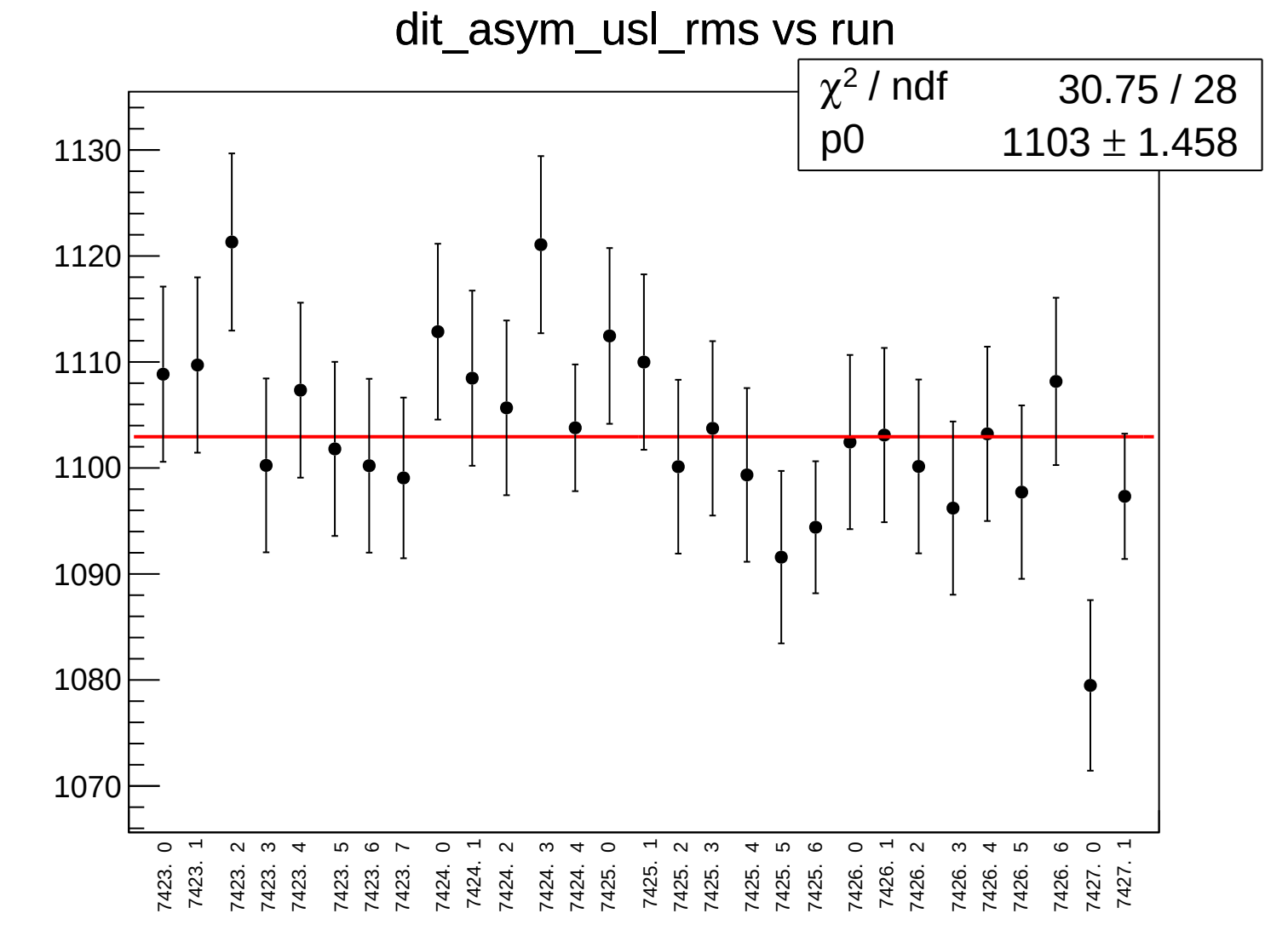

asym_us_dd_mean vs run
χ² / ndf 26.17 / 28
p0 −91.49 ± 1674
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −1.677
Std Dev 38.72
2
1
0
−1
−2

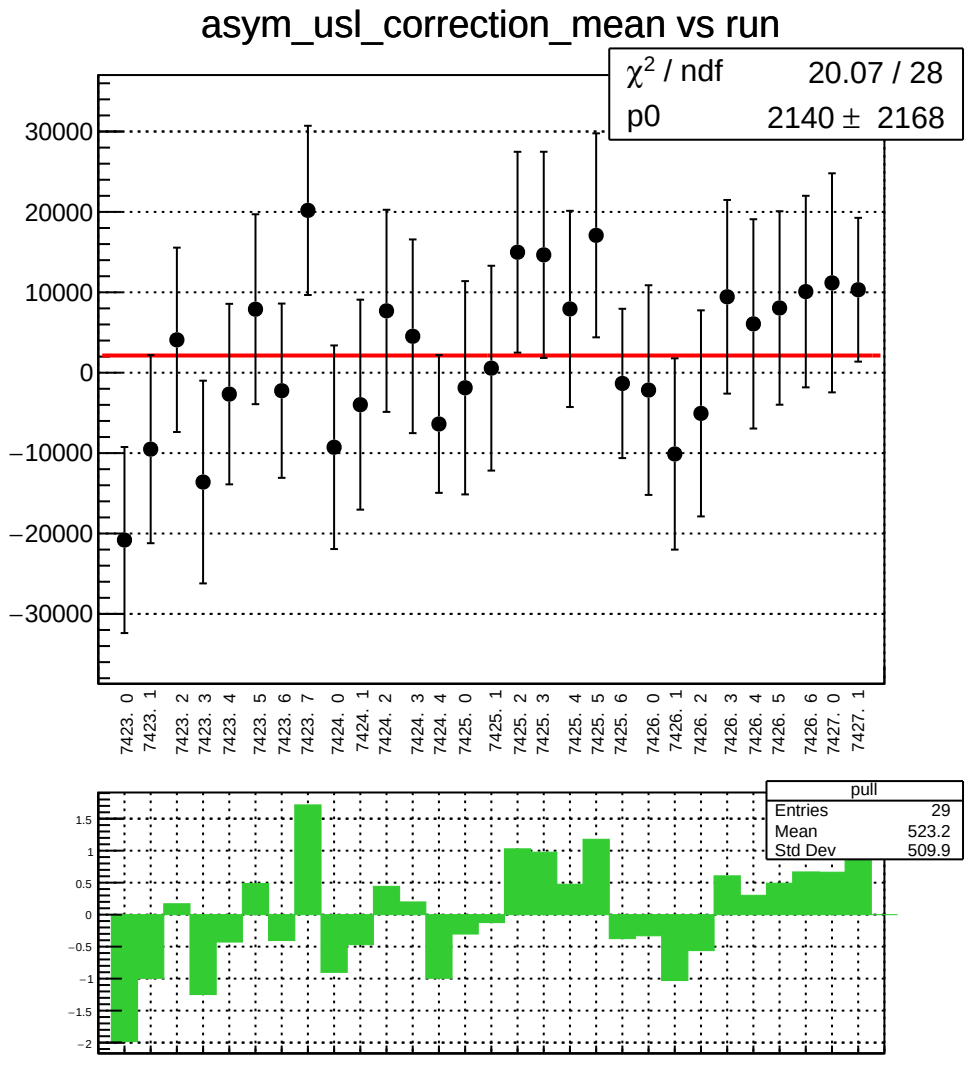

pull1D
Entries 29
Mean −0.01955
Std Dev 0.9497
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

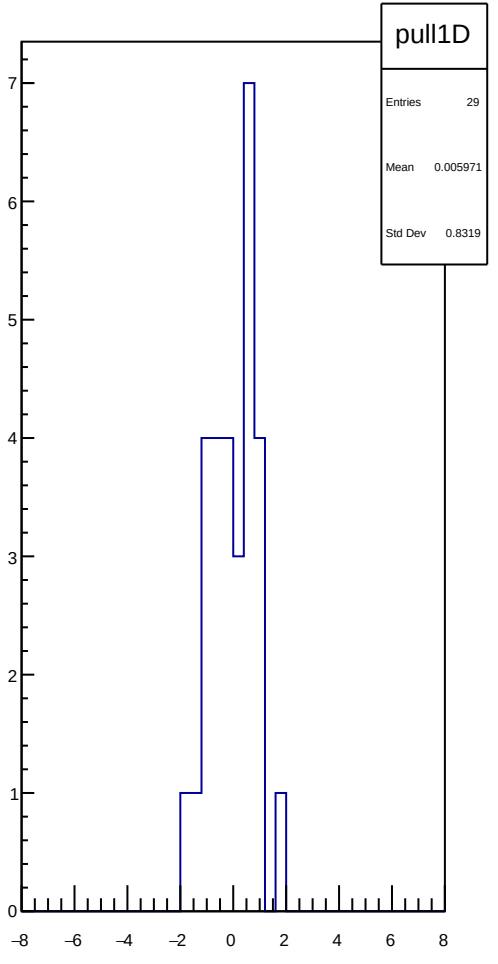

asym_us_dd_rms vs run
χ^2 / ndf 150.6 / 28
p0 895.4 ± 1.184
940
930
920
910
900
890
880
870
860
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

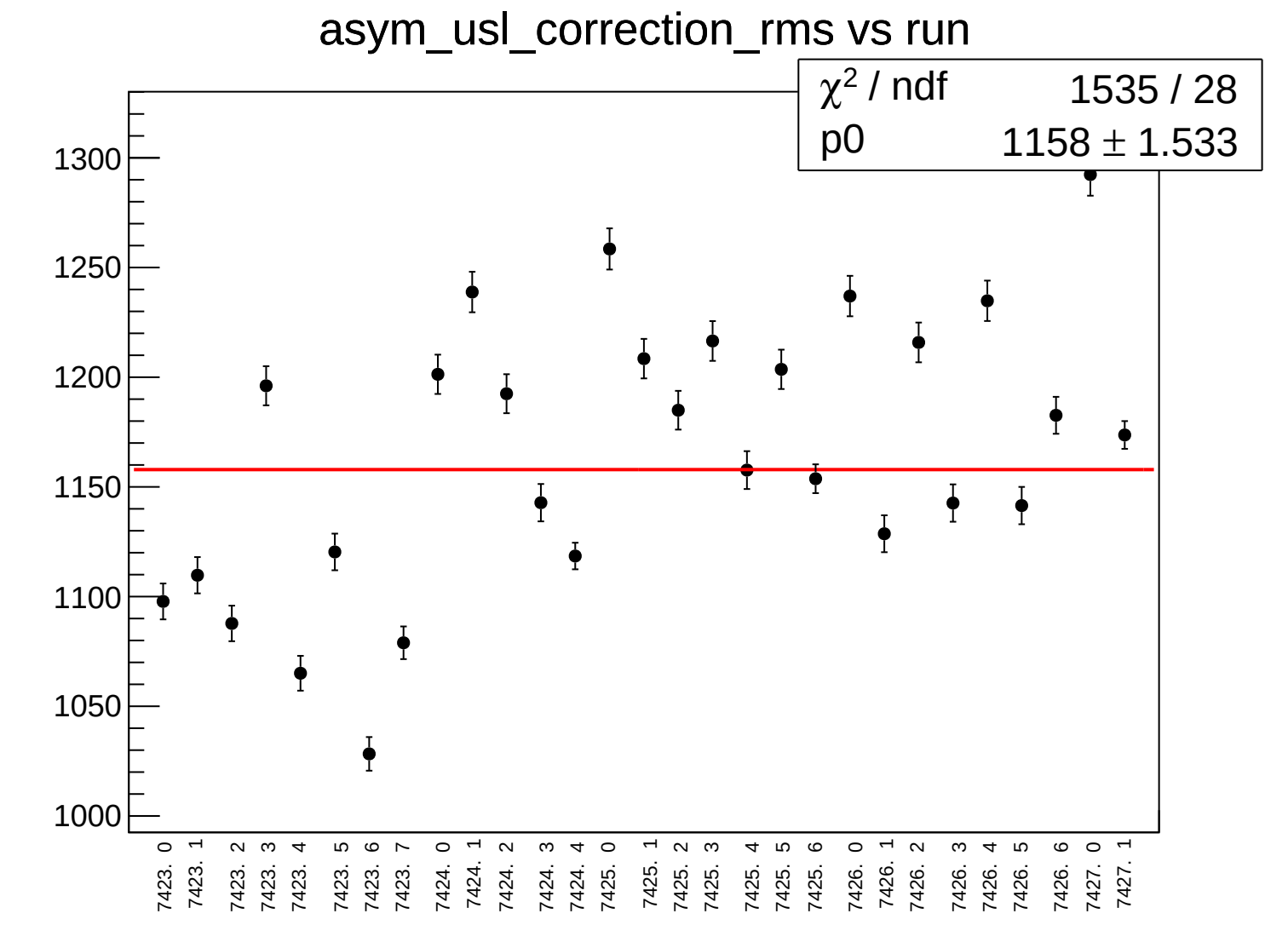

dit_asym_usl_mean vs run
χ² / ndf 29.54 / 28
p0 −1273 ± 2062
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 312.2
Std Dev 278.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

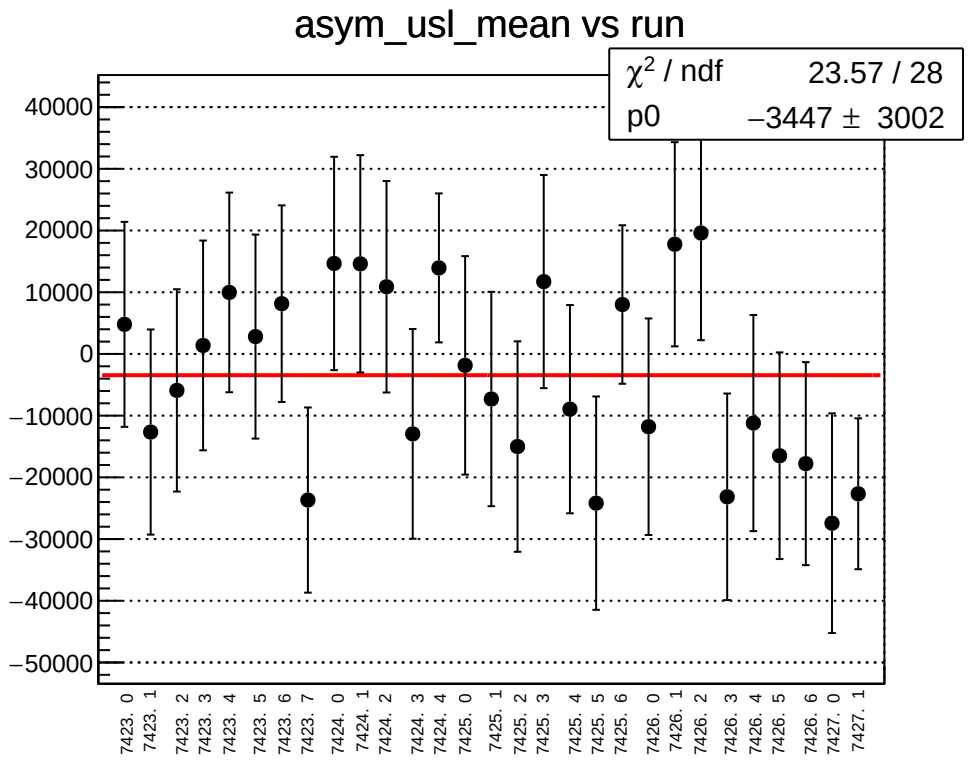

pull1D
Entries 29
Mean −0.003349
Std Dev 1.009
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

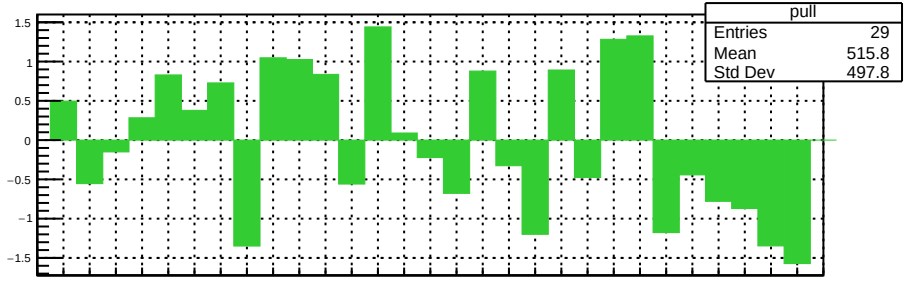

dit_asym_usl_rms vs run
χ² / ndf 30.75 / 28
p0 1103 ± 1.458
1130
1120
1110
1100
1090
1080
1070
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

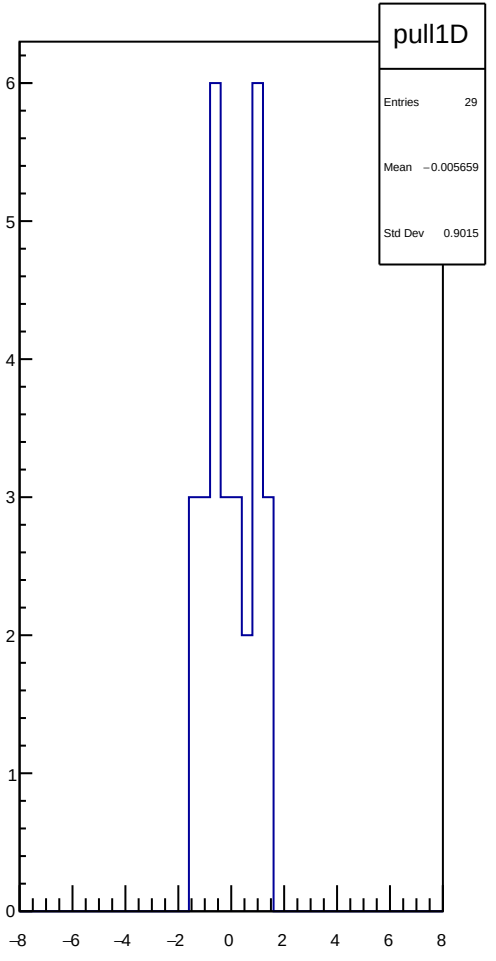

asym_usl_correction_mean vs run
χ² / ndf 20.07 / 28
p0 2140 ± 2168
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 523.2
Std Dev 509.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

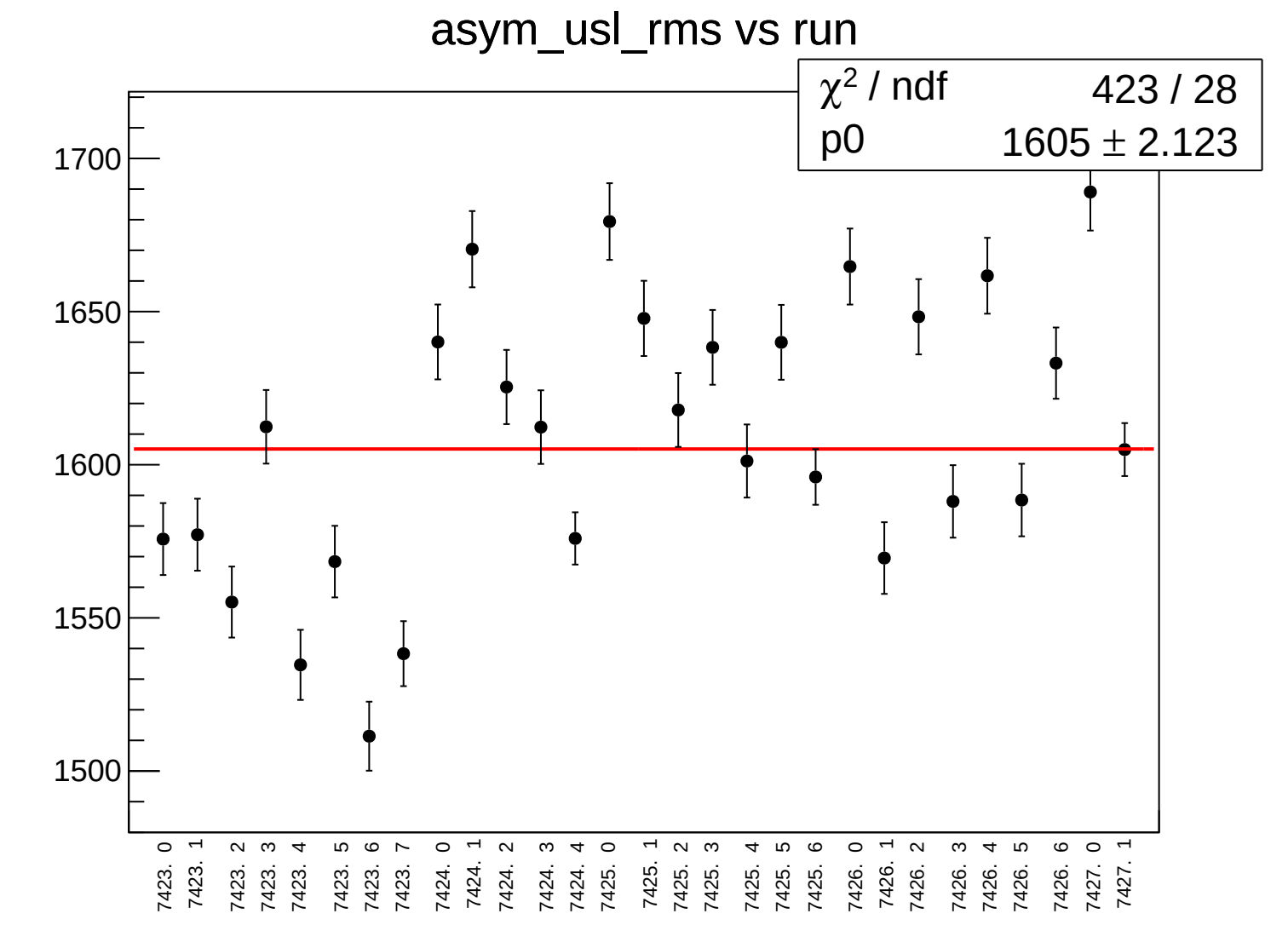

pull1D
Entries 29
Mean 0.005971
Std Dev 0.8319
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

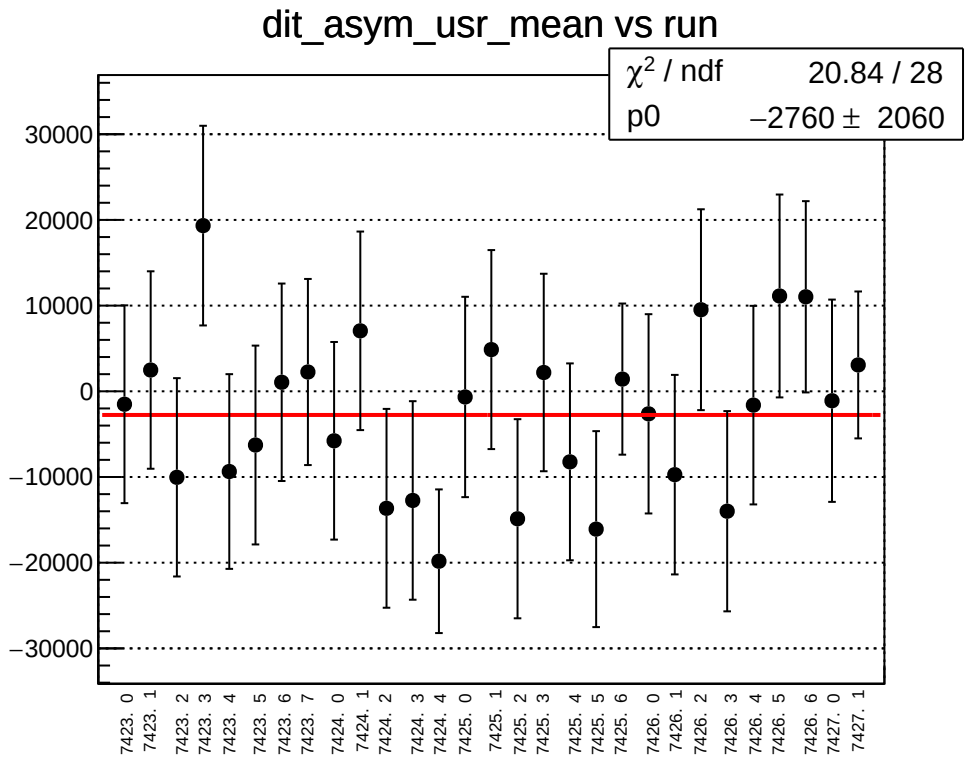

asym_usl_correction_rms vs run
χ² / ndf 1535 / 28
p0 1158 ± 1.533
1300
1250
1200
1150
1100
1050
1000
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

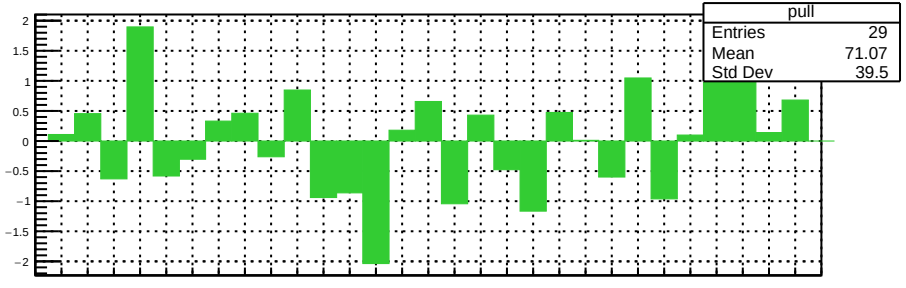

asym_usl_mean vs run
χ² / ndf 23.57 / 28
p0 −3447 ± 3002
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

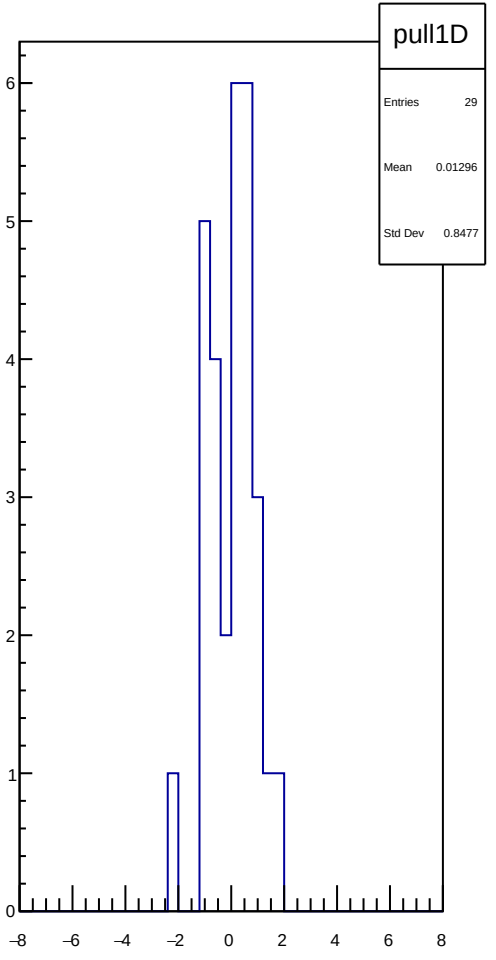

pull
Entries 29
Mean 515.8
Std Dev 497.8
1.5
1
0.5
0
−0.5
−1
−1.5

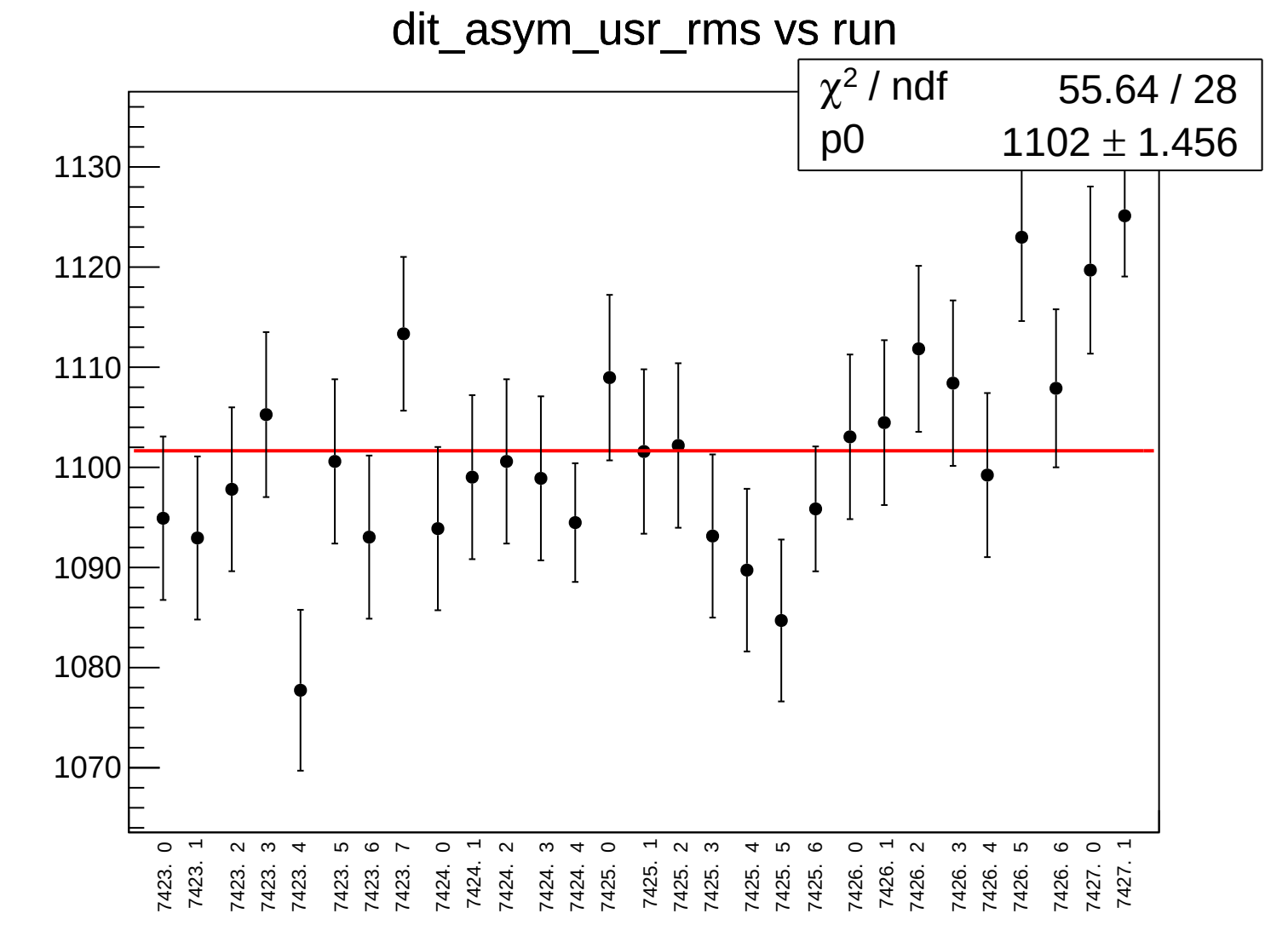

pull1D
Entries 29
Mean −0.005659
Std Dev 0.9015
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

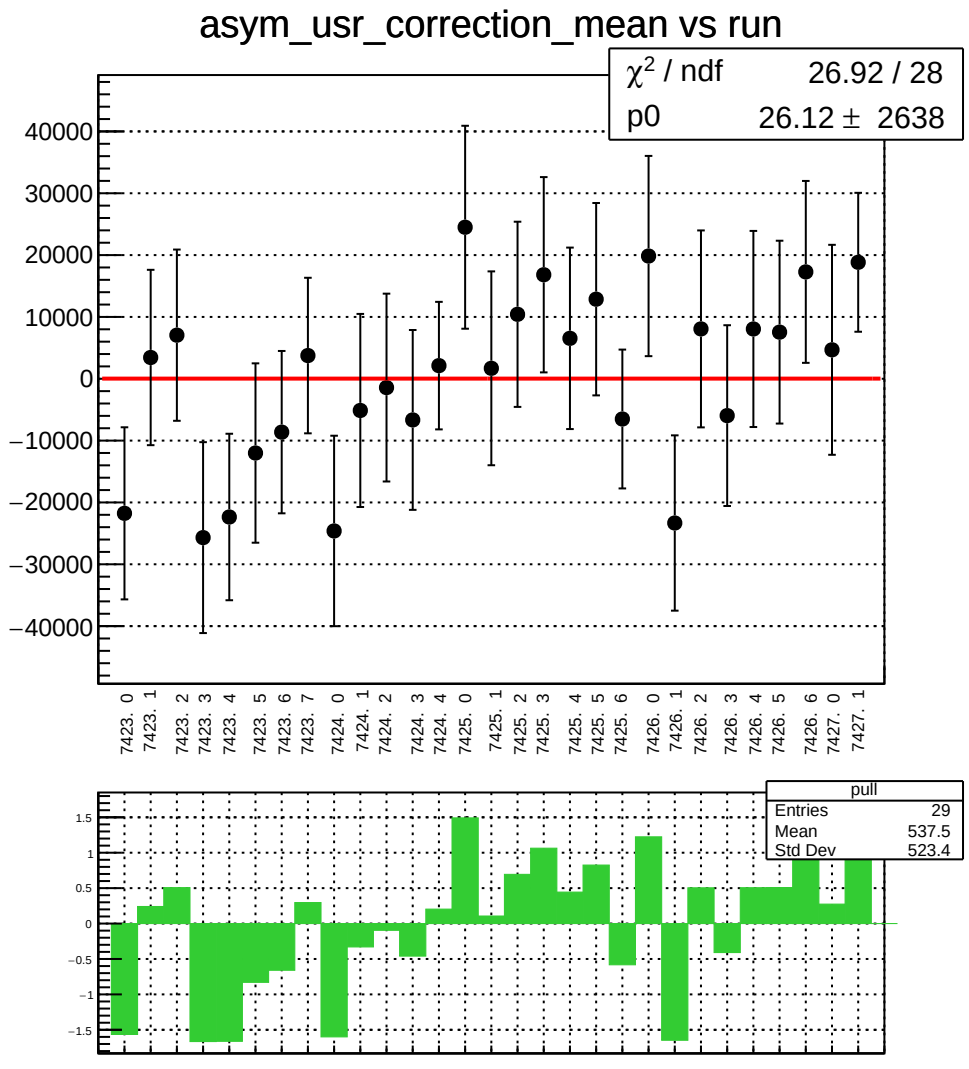

asym_usl_rms vs run
χ² / ndf 423 / 28
p0 1605 ± 2.123
1700
1650
1600
1550
1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

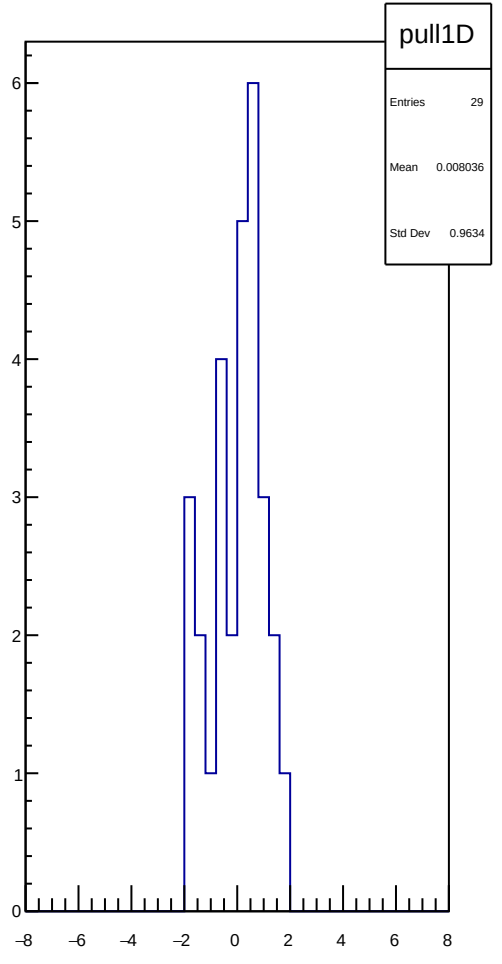

dit_asym_usr_mean vs run
χ² / ndf 20.84 / 28
p0 −2760 ± 2060
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

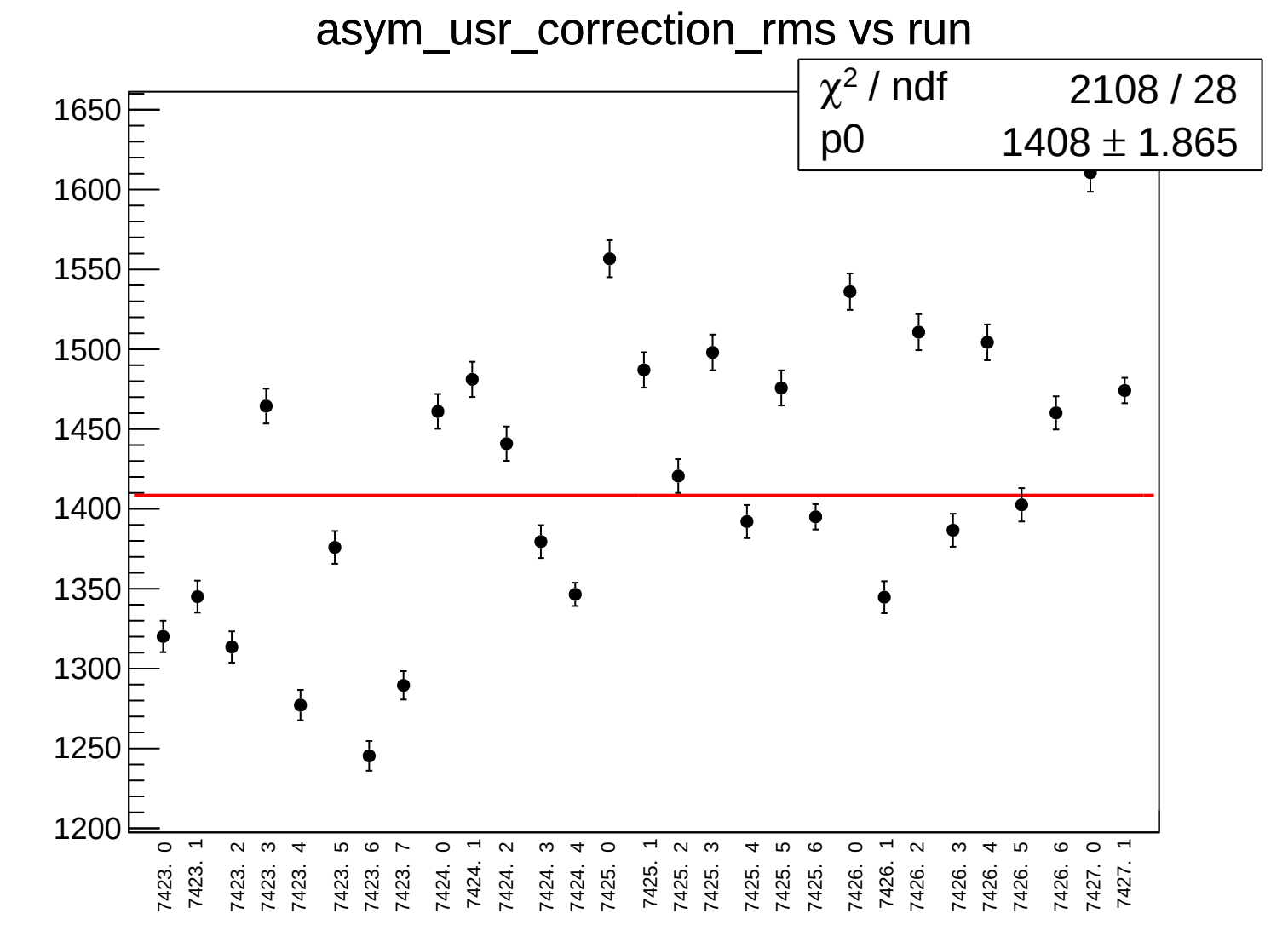

pull
Entries 29
Mean 71.07
Std Dev 39.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

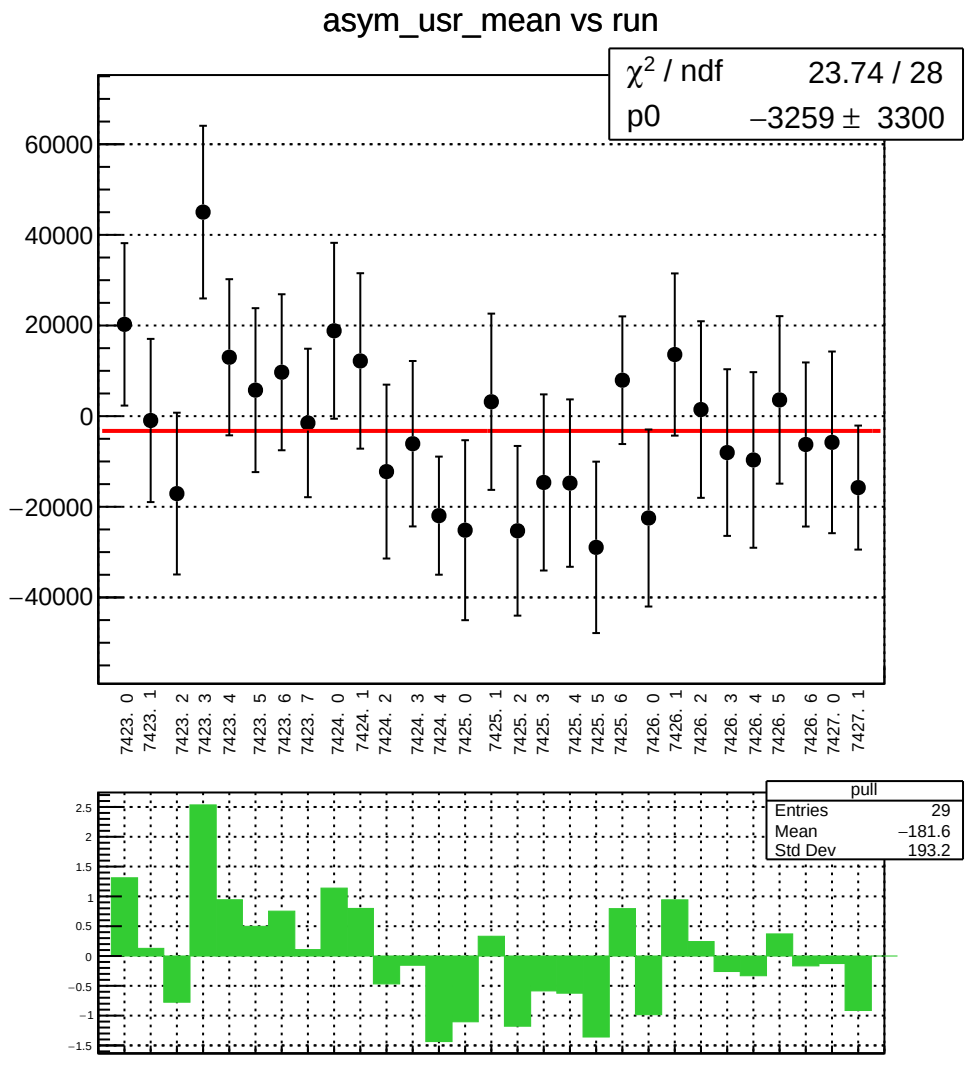

pull1D
Entries 29
Mean 0.01296
Std Dev 0.8477
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

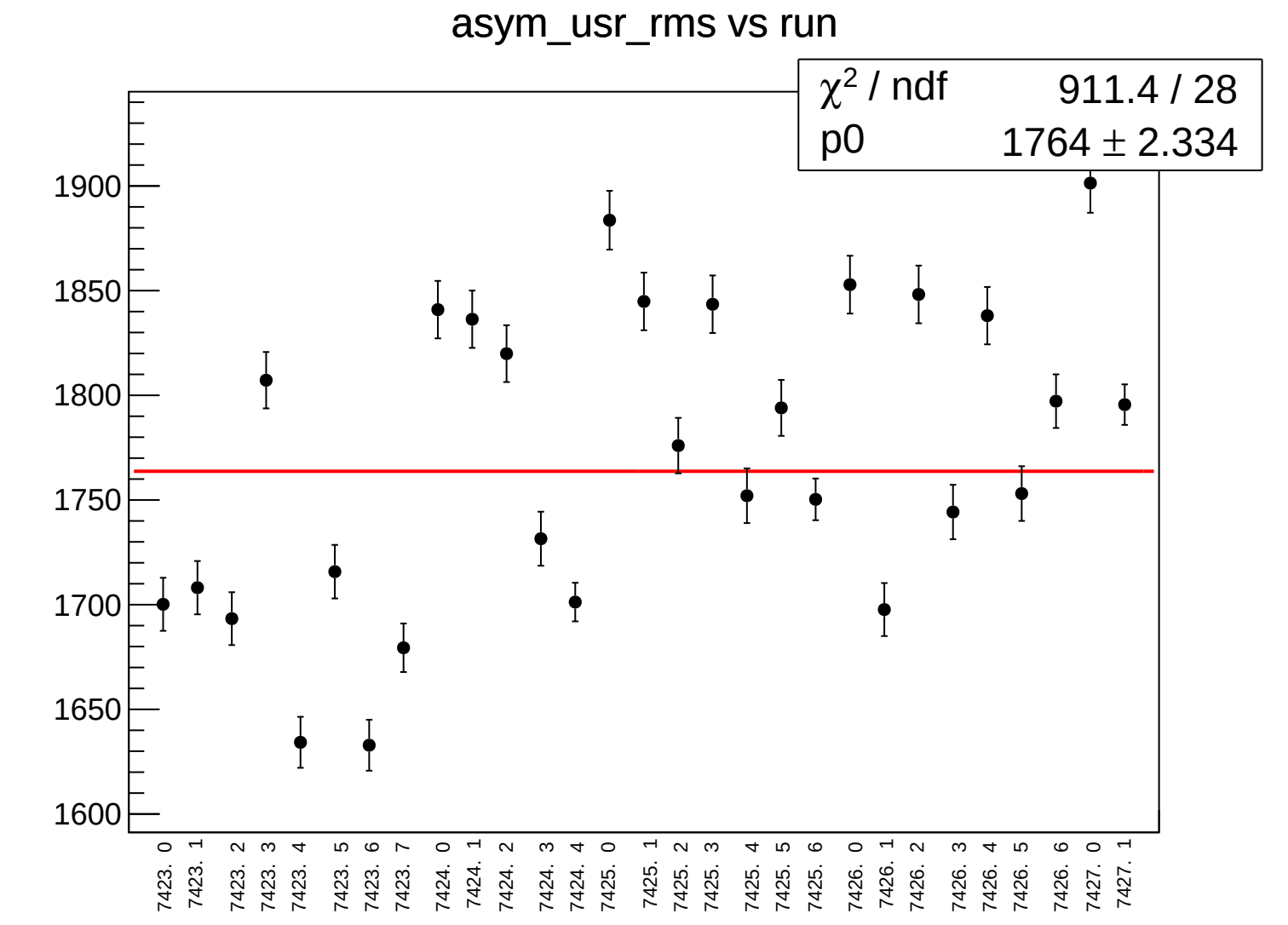

dit_asym_usr_rms vs run
χ² / ndf 55.64 / 28
p0 1102 ± 1.456
1130
1120
1110
1100
1090
1080
1070
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

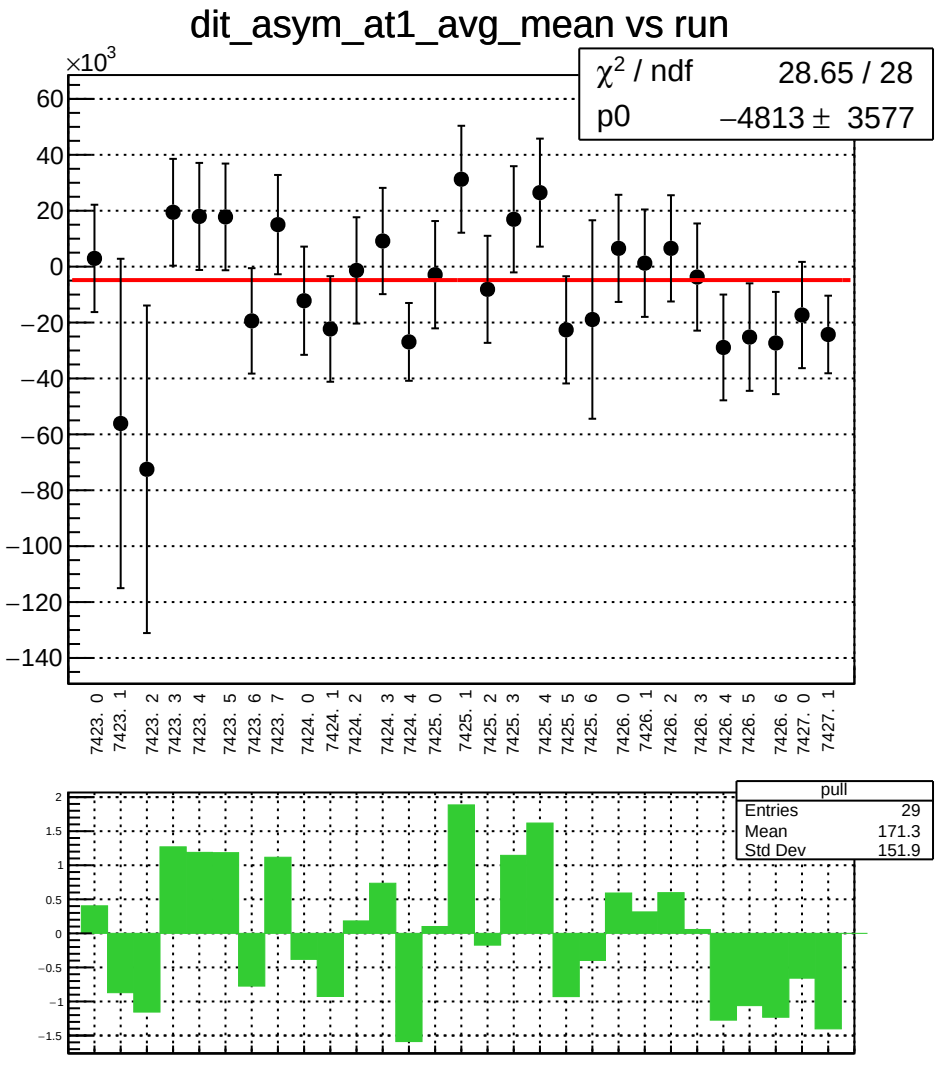

asym_usr_correction_mean vs run
χ² / ndf 26.92 / 28
p0 26.12 ± 2638
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 537.5
Std Dev 523.4
1.5
1
0.5
0
−0.5
−1
−1.5

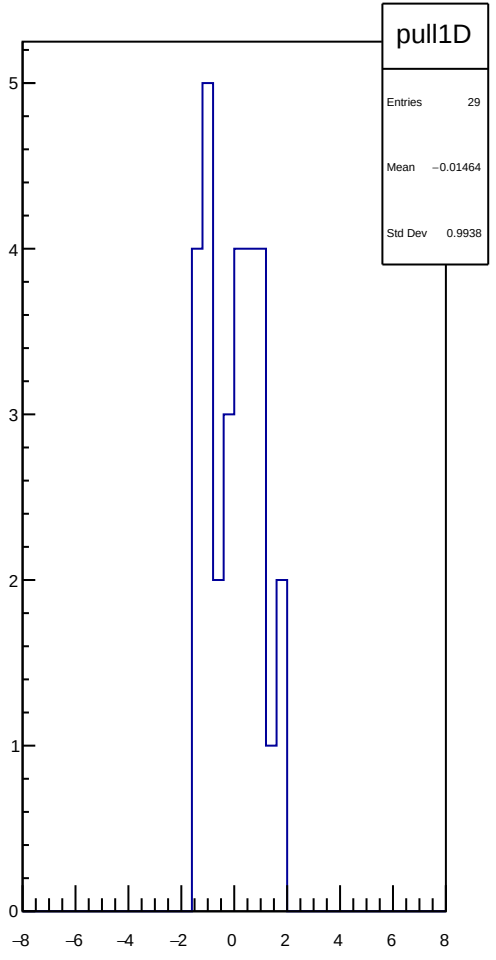

pull1D
Entries 29
Mean 0.008036
Std Dev 0.9634
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

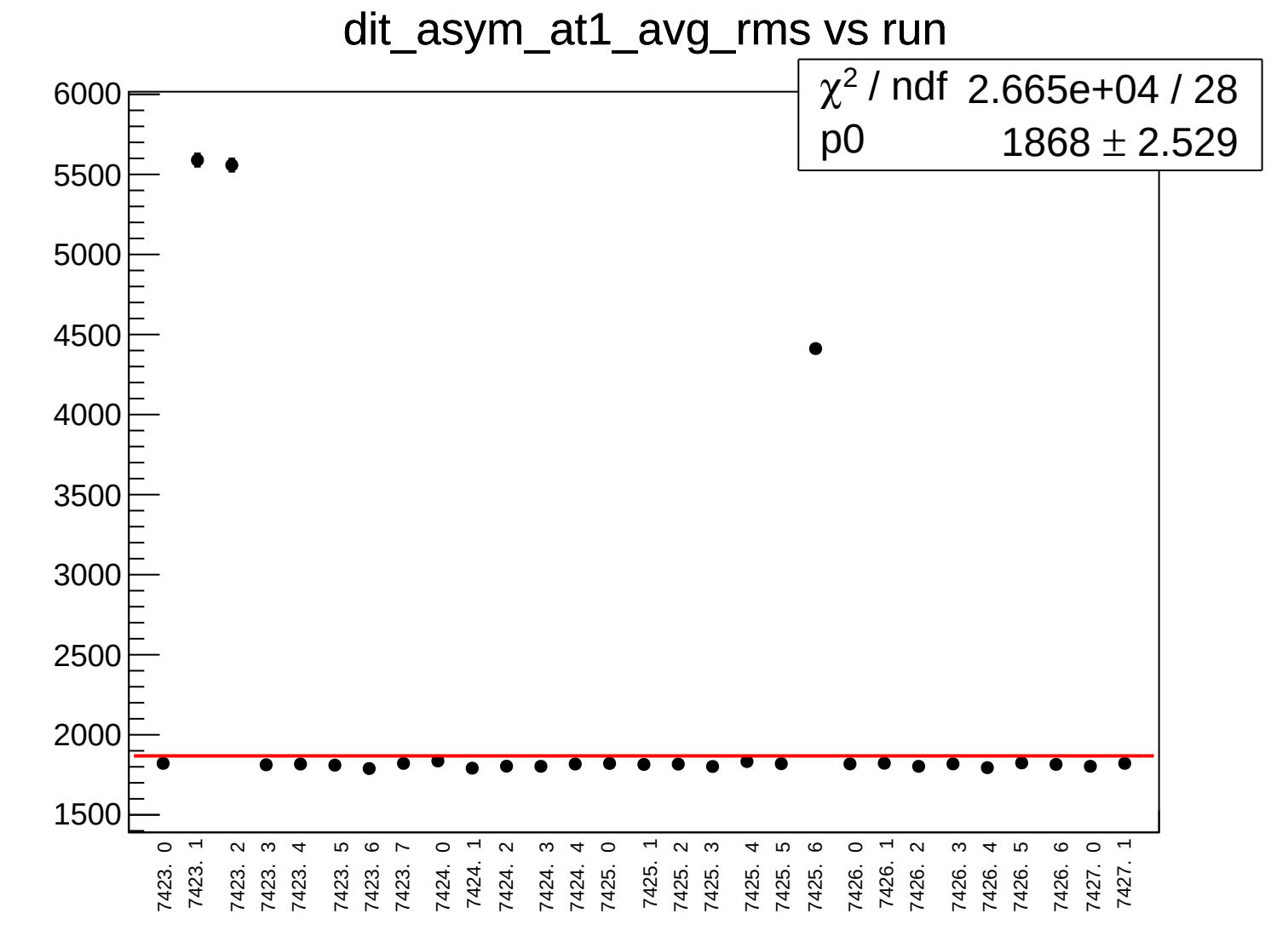

asym_usr_correction_rms vs run
χ² / ndf 2108 / 28
p0 1408 ± 1.865
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

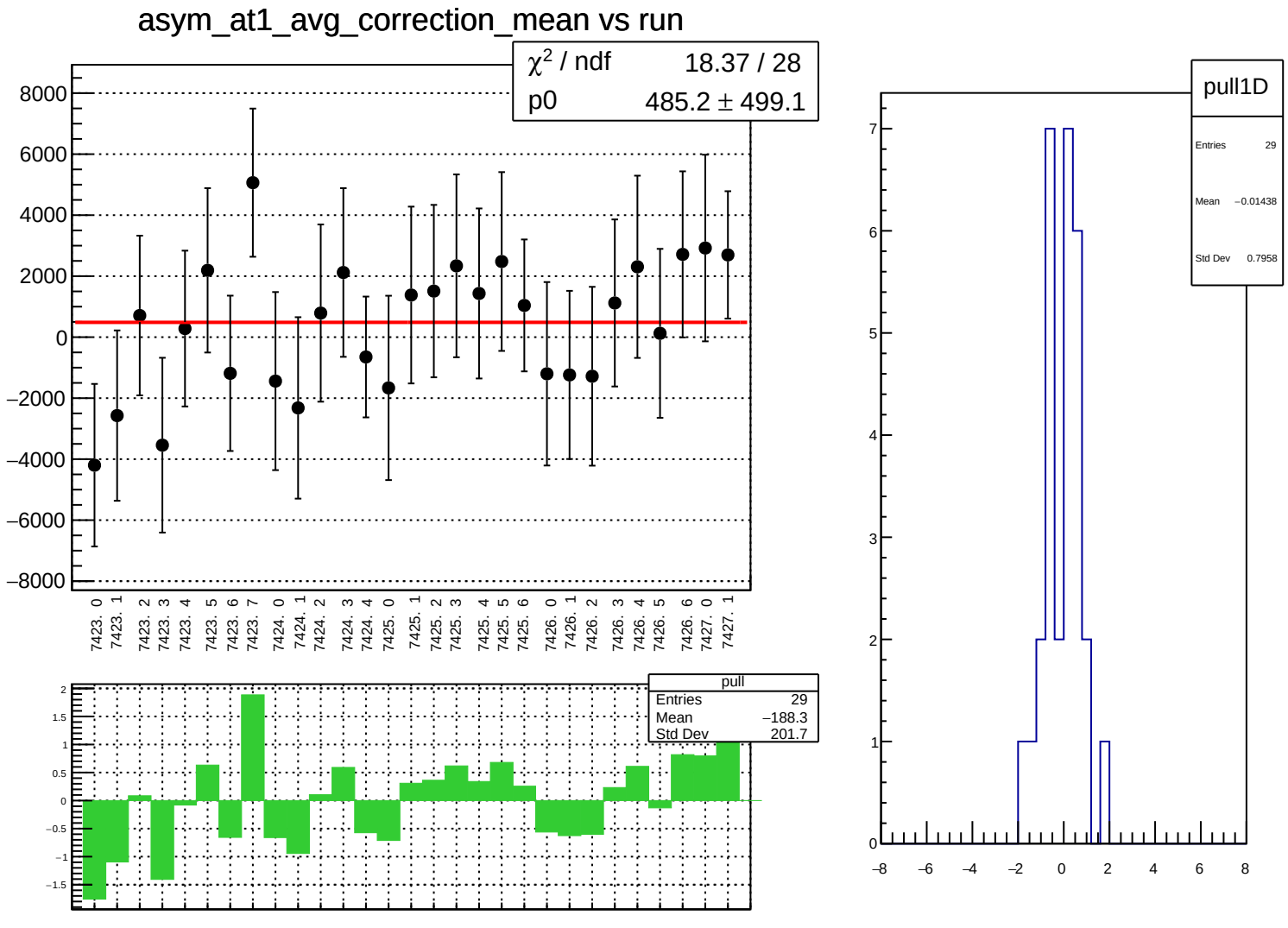

asym_usr_mean vs run
χ² / ndf 23.74 / 28
p0 −3259 ± 3300
60000
40000
20000
0
−20000
−40000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −181.6
Std Dev 193.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.01492
Std Dev 0.9046
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

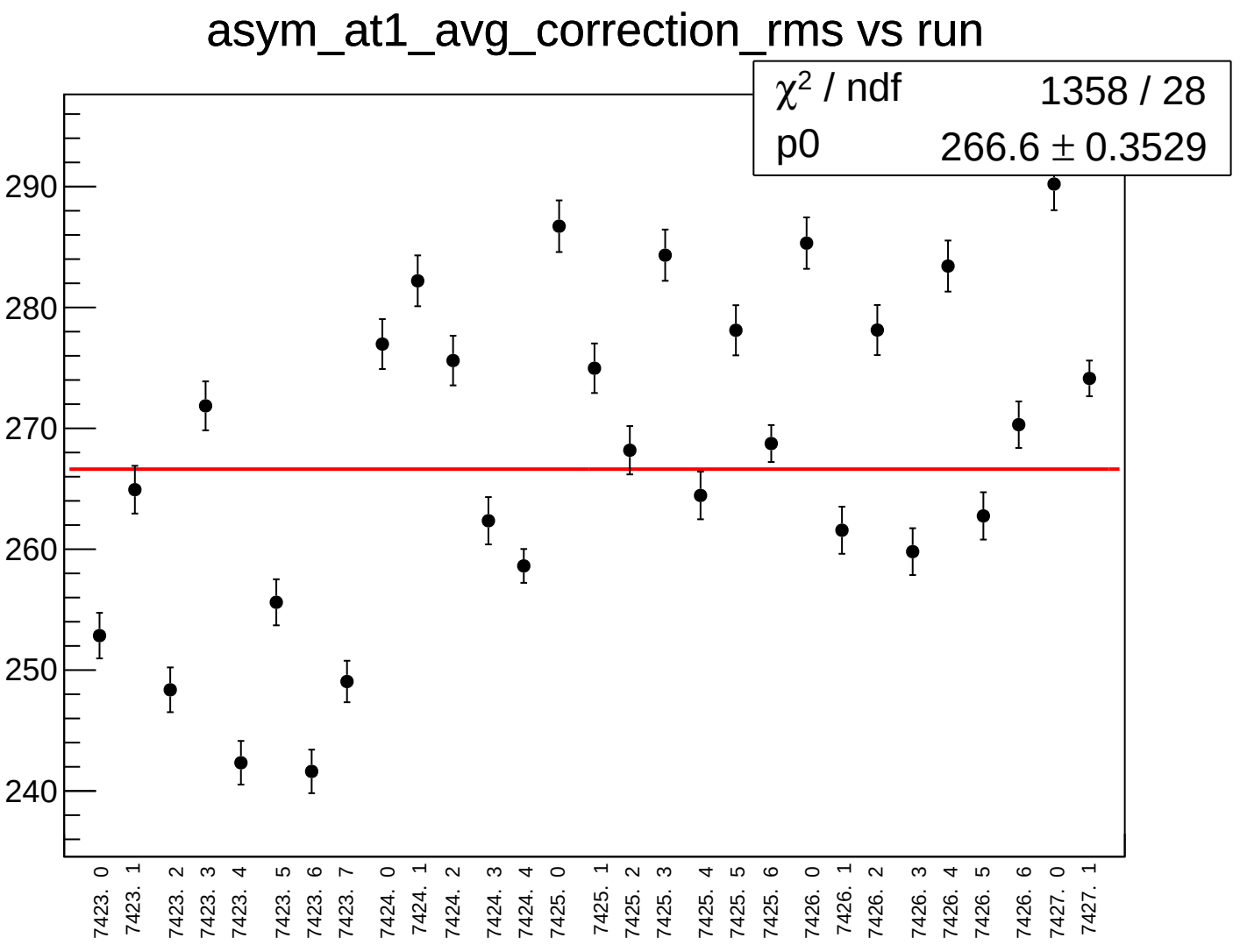

asym_usr_rms vs run
χ² / ndf 911.4 / 28
p0 1764 ± 2.334
1900
1850
1800
1750
1700
1650
1600
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

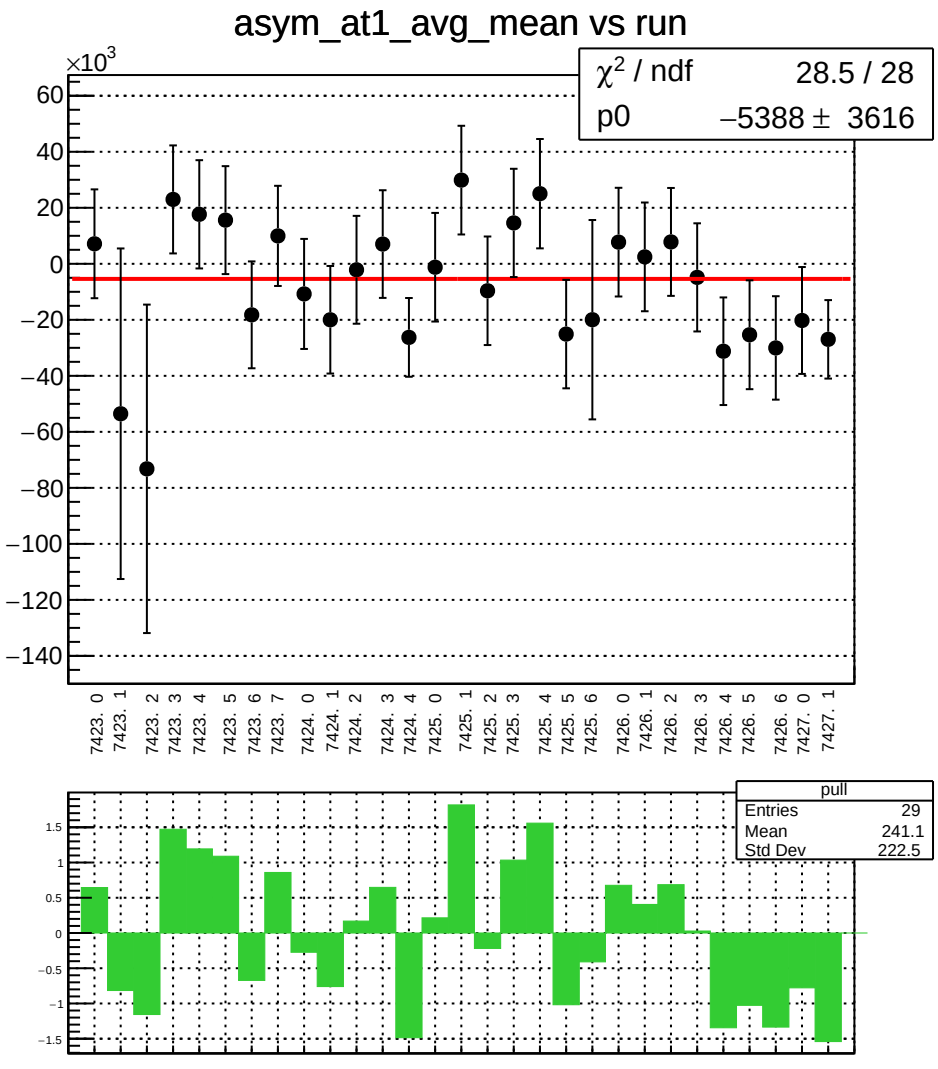

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 28.65 / 28
p0 −4813 ± 3577
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 171.3
Std Dev 151.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

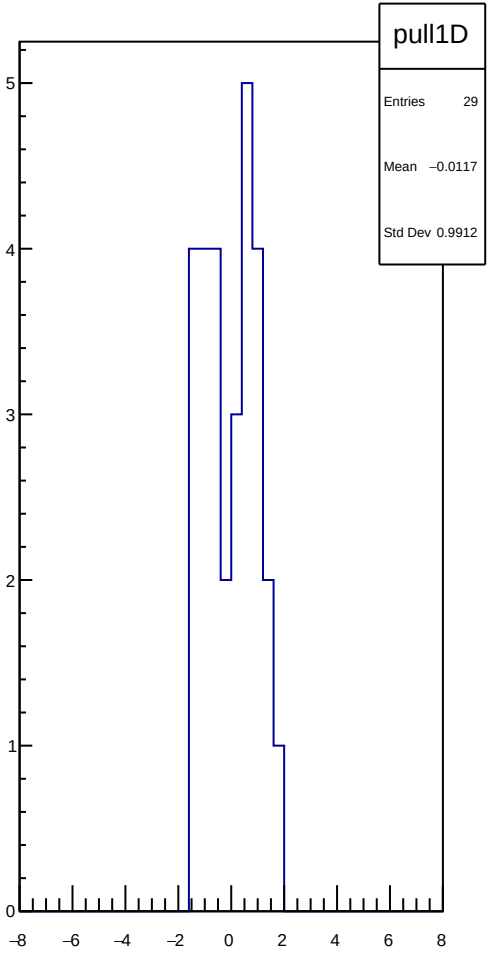

pull1D
Entries 29
Mean −0.01464
Std Dev 0.9938
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

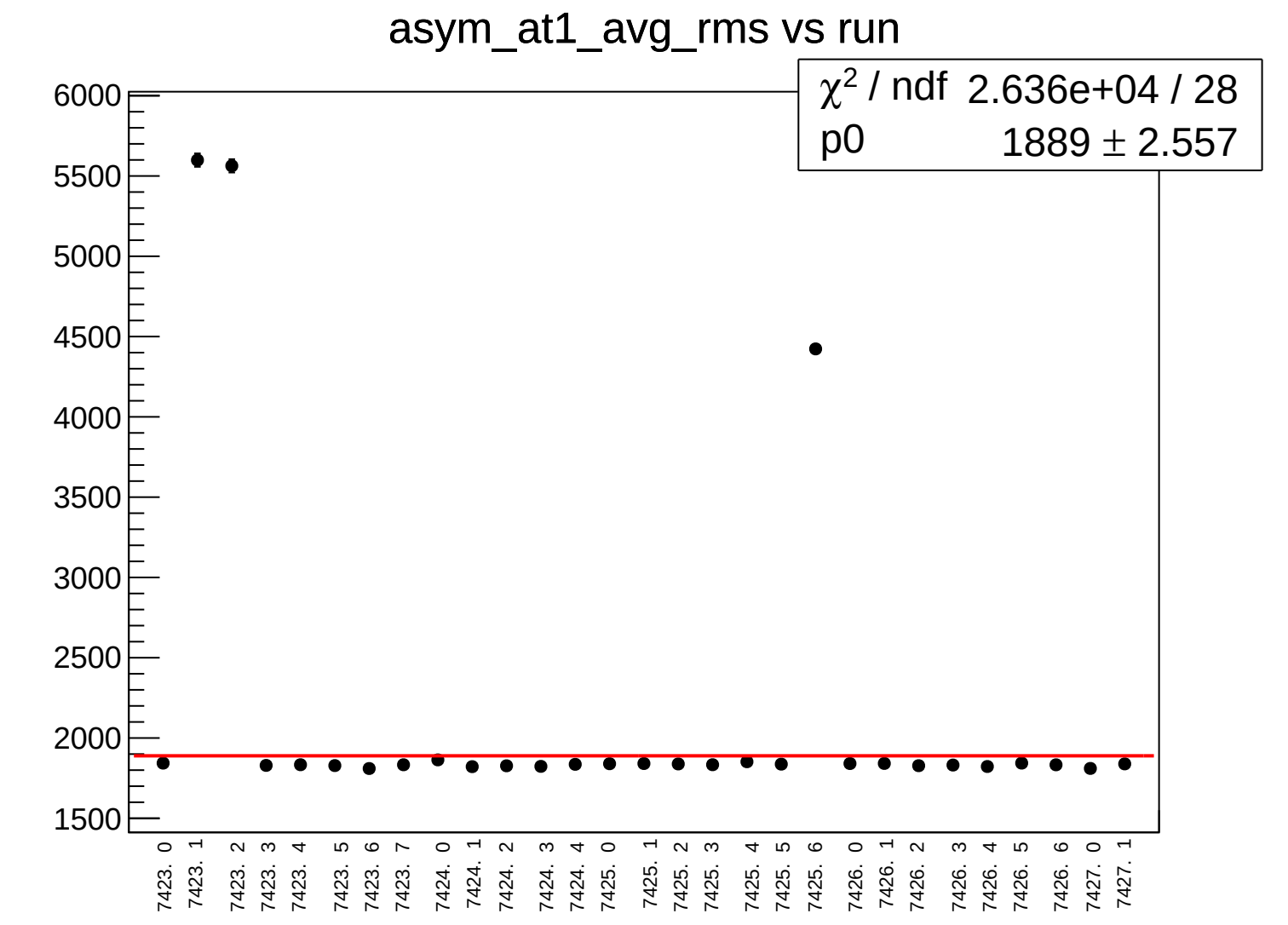

dit_asym_at1_avg_rms vs run
χ² / ndf 2.665e+04 / 28
p0 1868 ± 2.529
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

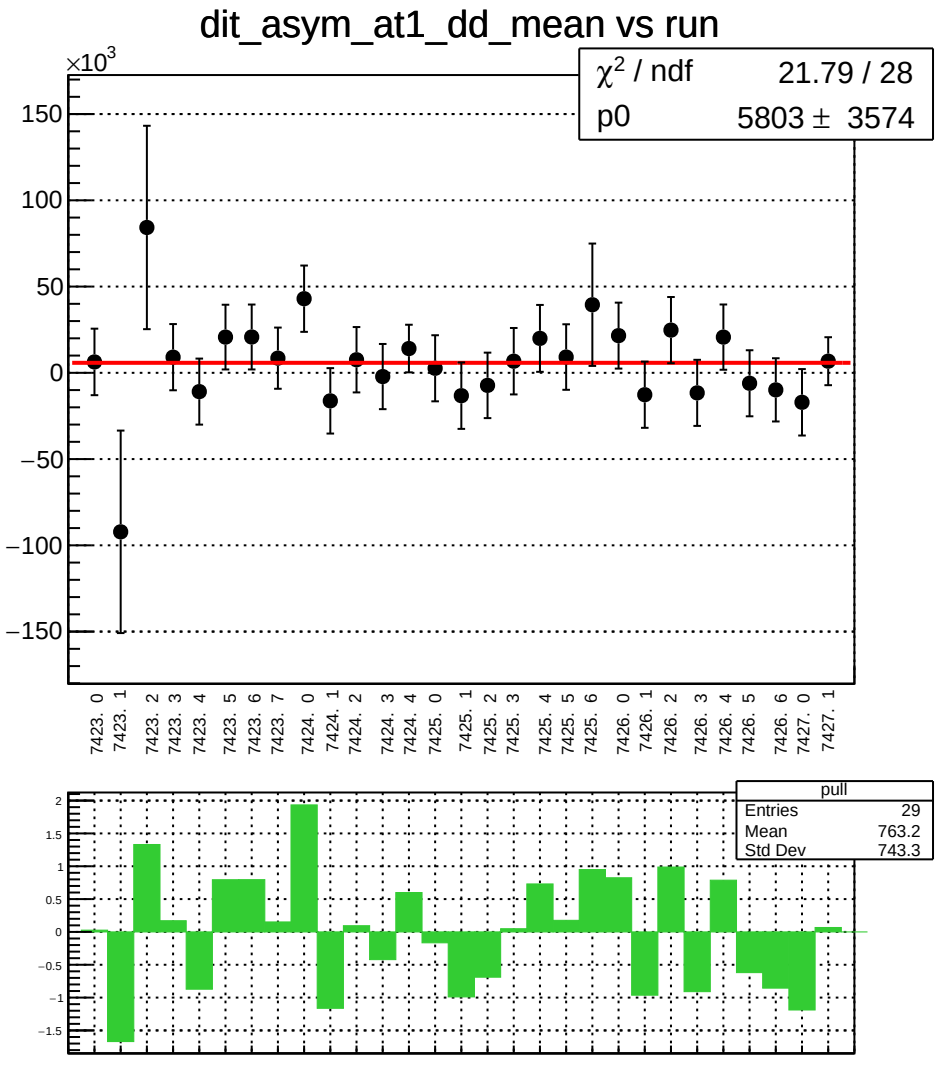

asym_at1_avg_correction_mean vs run
χ² / ndf 18.37 / 28
p0 485.2 ± 499.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −188.3
Std Dev 201.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.01438
Std Dev 0.7958
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

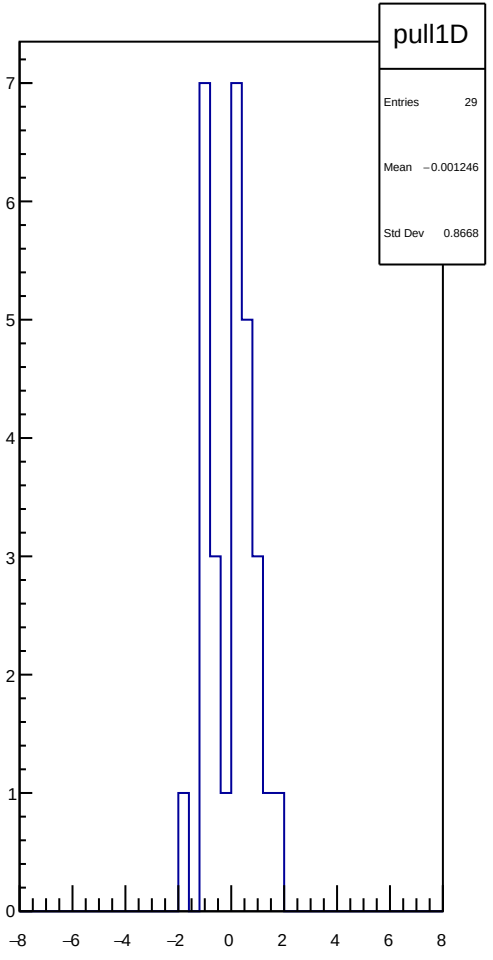

asym_at1_avg_correction_rms vs run
χ² / ndf 1358 / 28
p0 266.6 ± 0.3529
290
280
270
260
250
240
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

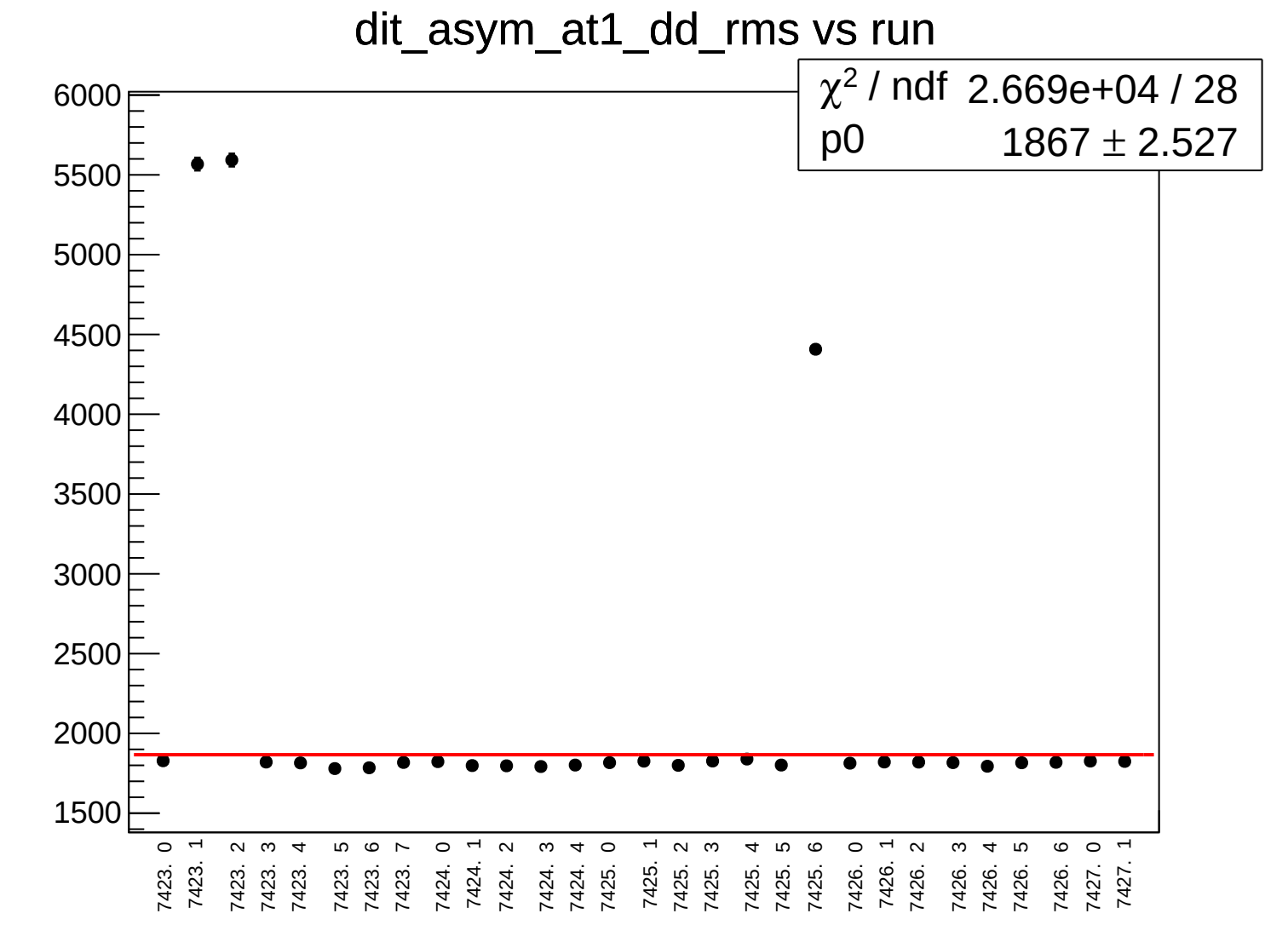

asym_at1_avg_mean vs run
×10^3
χ² / ndf 28.5 / 28
p0 −5388 ± 3616
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 241.1
Std Dev 222.5
1.5
1
0.5
0
−0.5
−1
−1.5

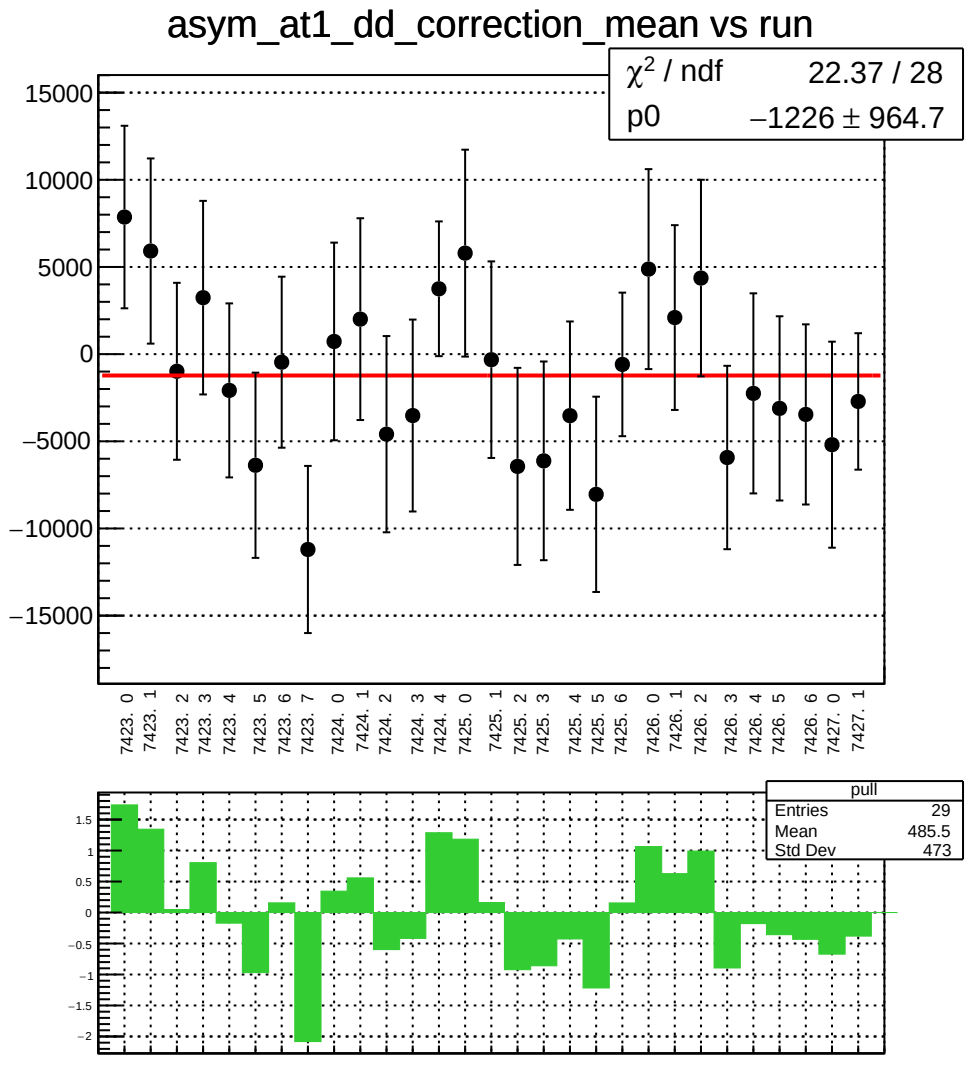

pull1D
Entries 29
Mean −0.0117
Std Dev 0.9912
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

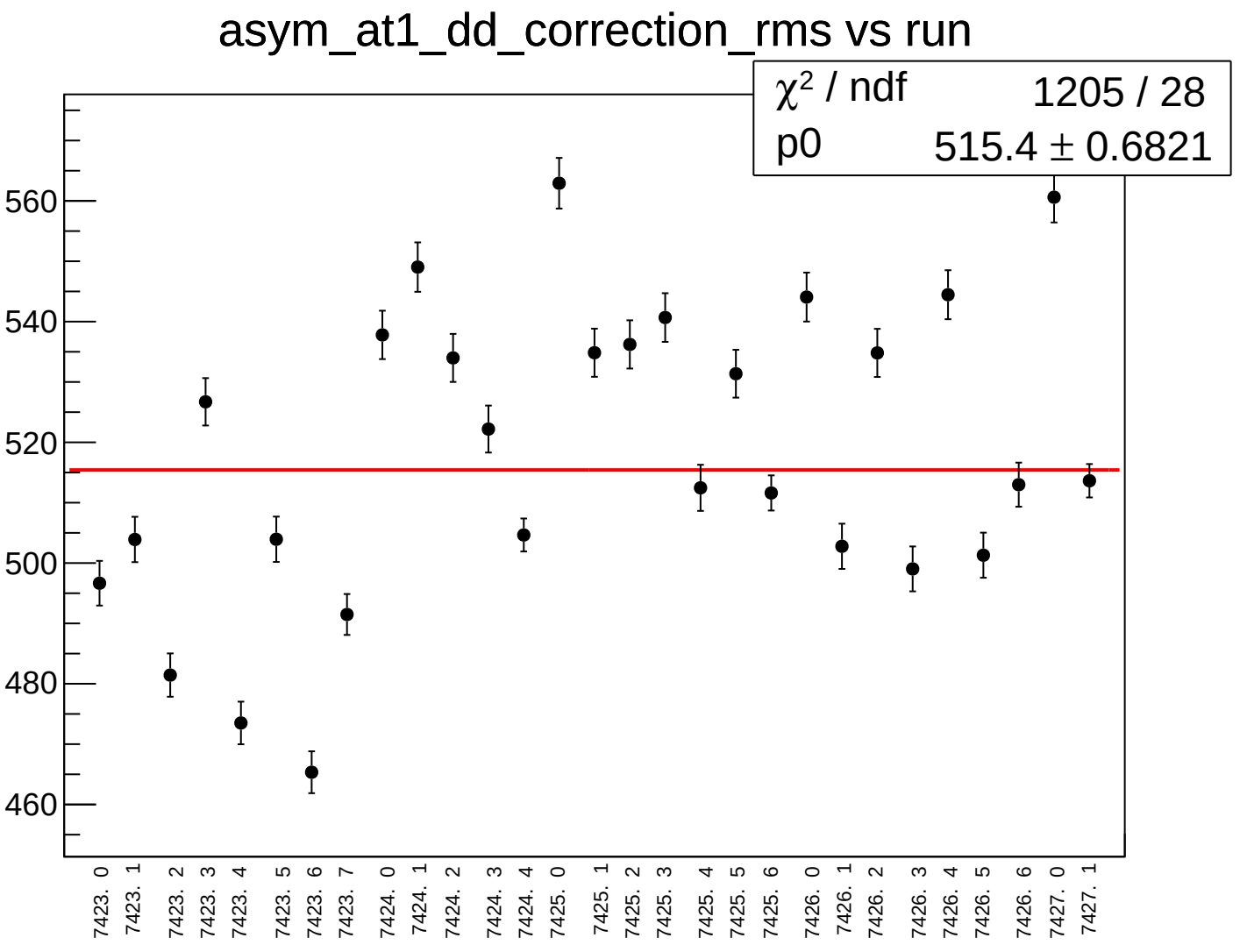

asym_at1_avg_rms vs run
χ² / ndf 2.636e+04 / 28
p0 1889 ± 2.557
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

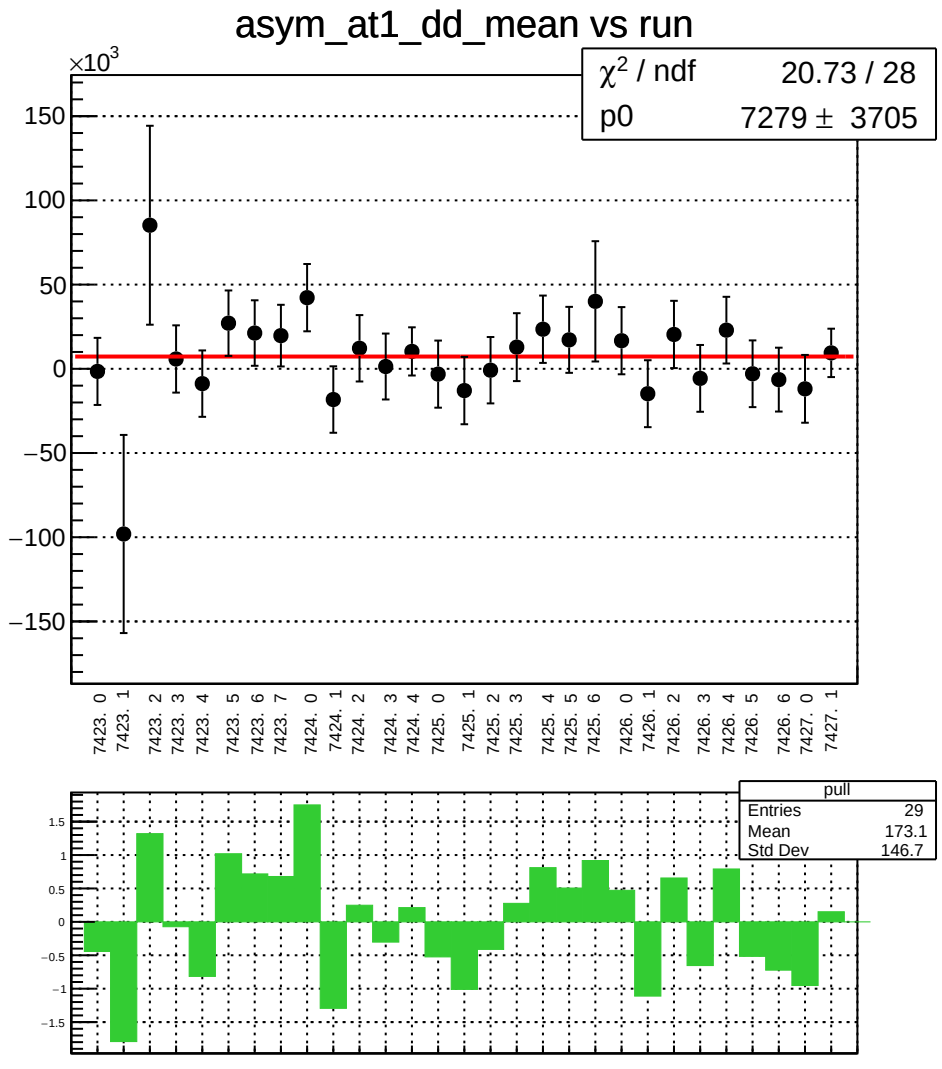

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 21.79 / 28
p0 5803 ± 3574
150
100
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 763.2
Std Dev 743.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

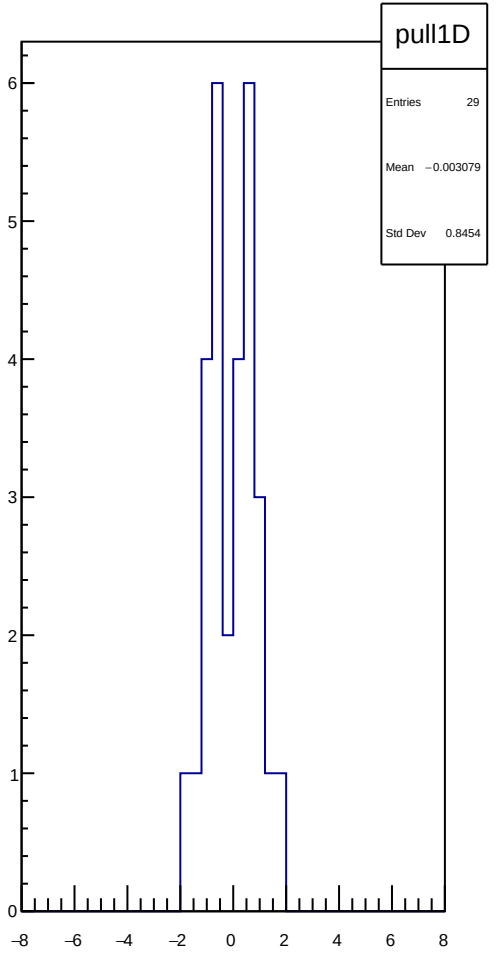

pull1D
Entries 29
Mean −0.001246
Std Dev 0.8668
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

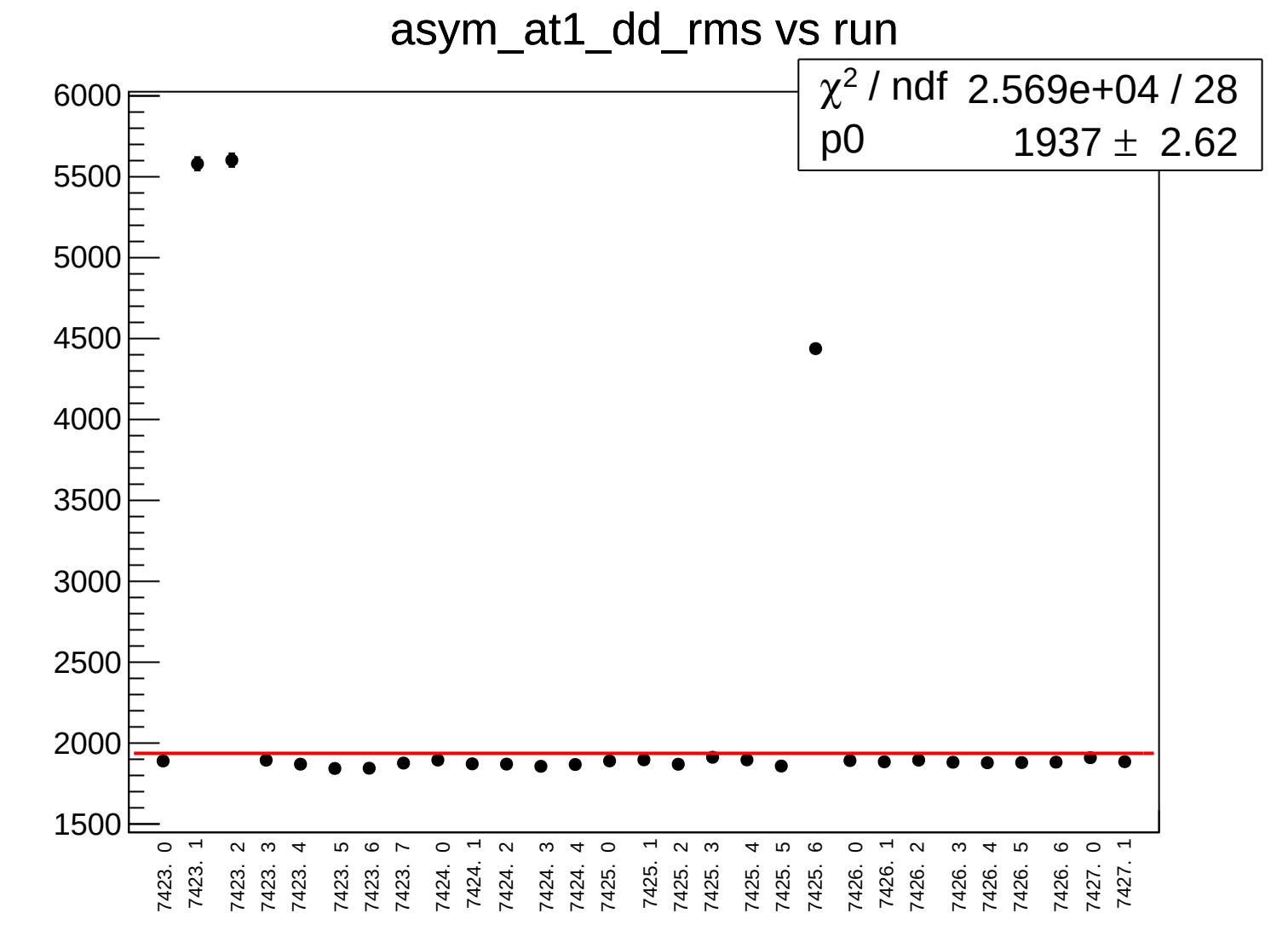

dit_asym_at1_dd_rms vs run
χ² / ndf 2.669e+04 / 28
p0 1867 ± 2.527
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

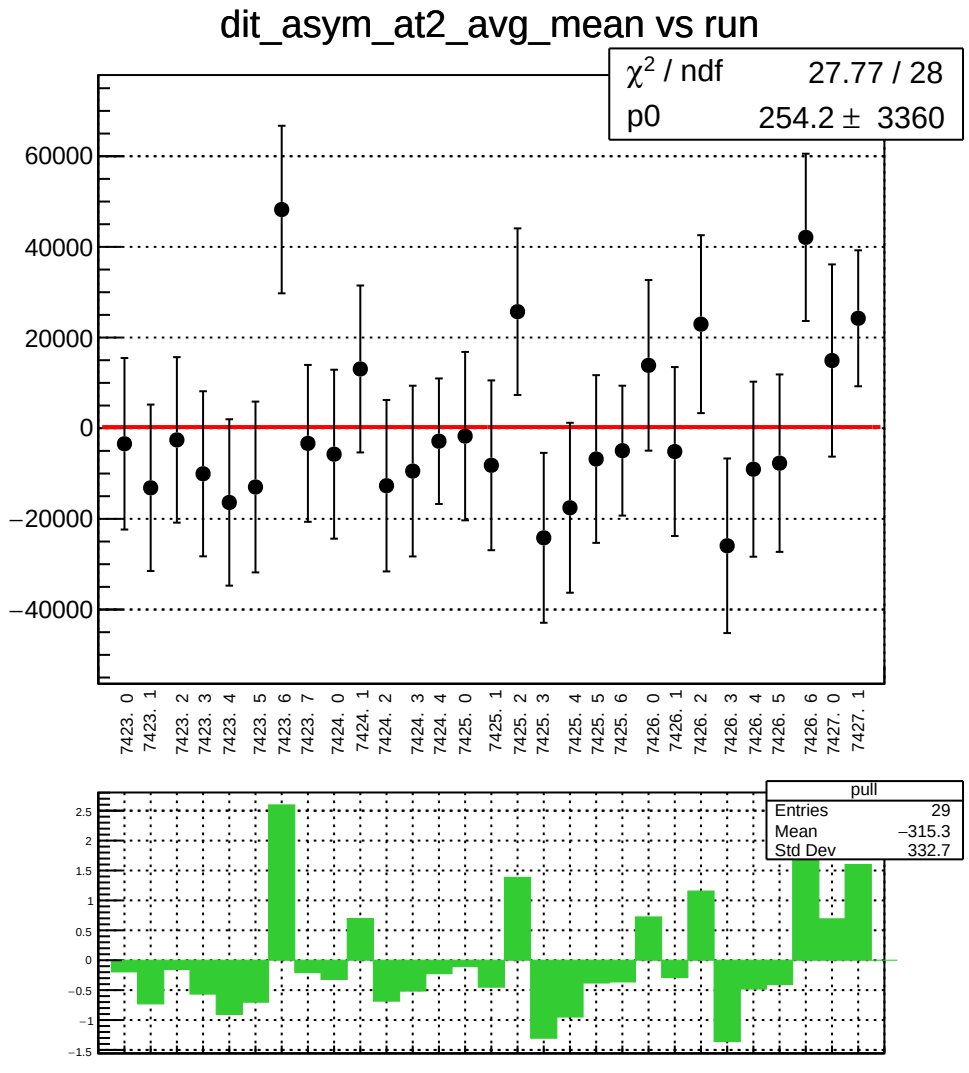

asym_at1_dd_correction_mean vs run
χ² / ndf 22.37 / 28
p0 −1226 ± 964.7
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 485.5
Std Dev 473
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean −0.004006
Std Dev 0.8782
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

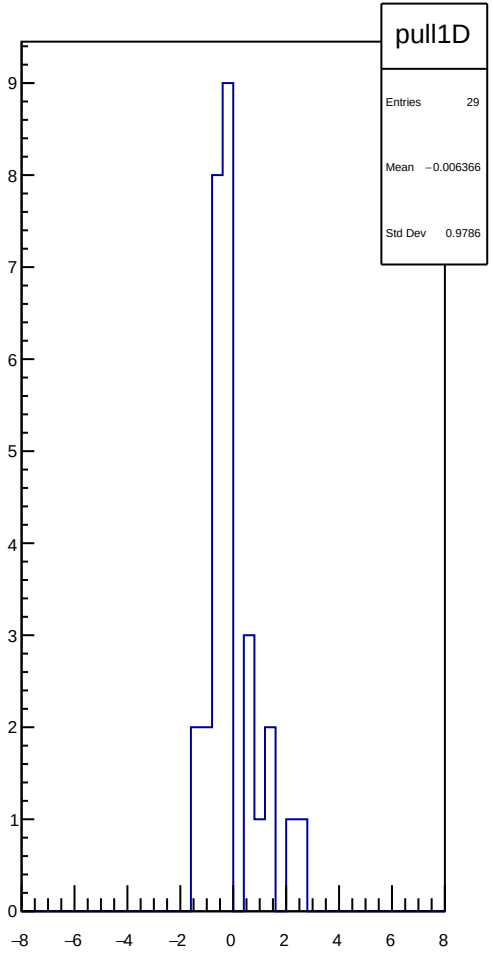

asym_at1_dd_correction_rms vs run
χ² / ndf 1205 / 28
p0 515.4 ± 0.6821
560
540
520
500
480
460
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

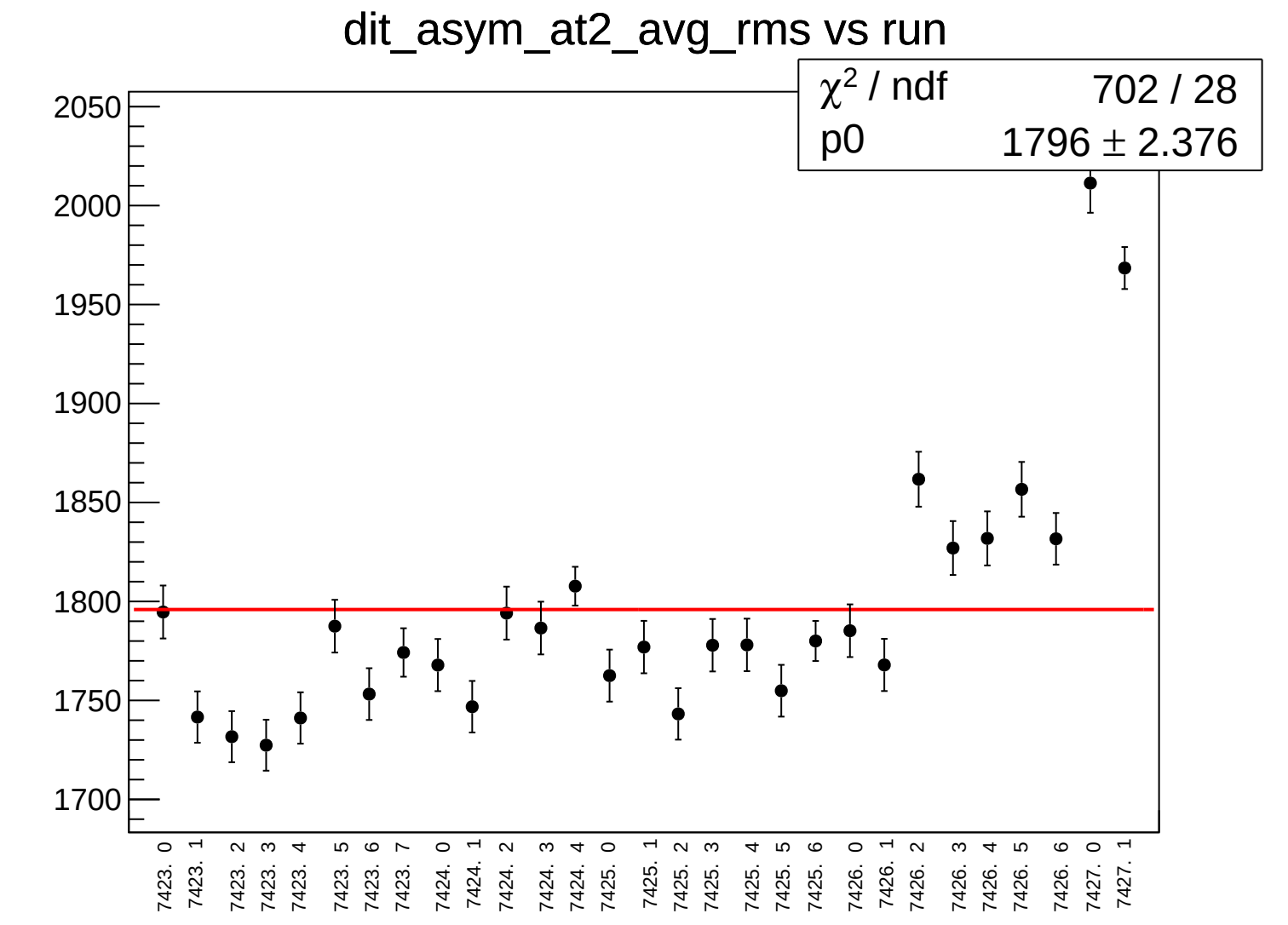

asym_at1_dd_mean vs run
×10^3
χ² / ndf 20.73 / 28
p0 7279 ± 3705
150
100
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 173.1
Std Dev 146.7
1.5
1
0.5
0
−0.5
−1
−1.5

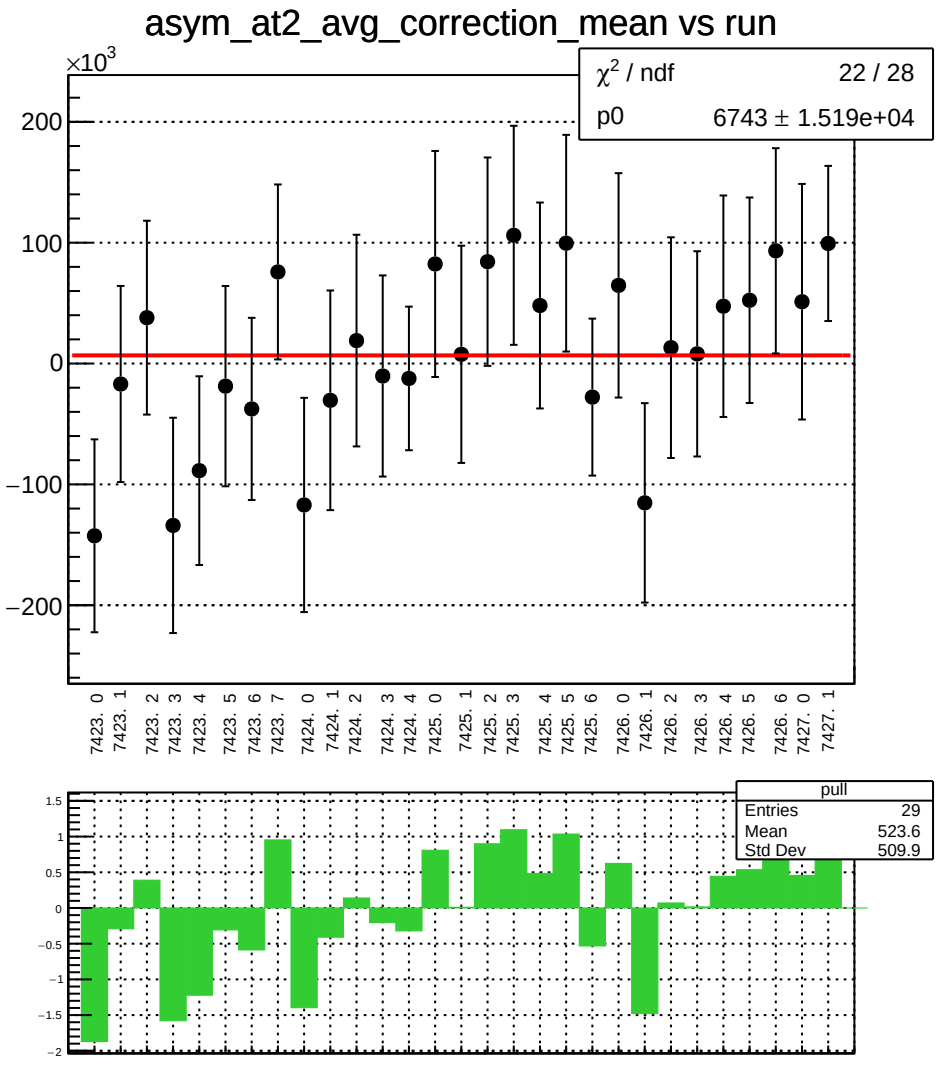

pull1D
Entries 29
Mean −0.003079
Std Dev 0.8454
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

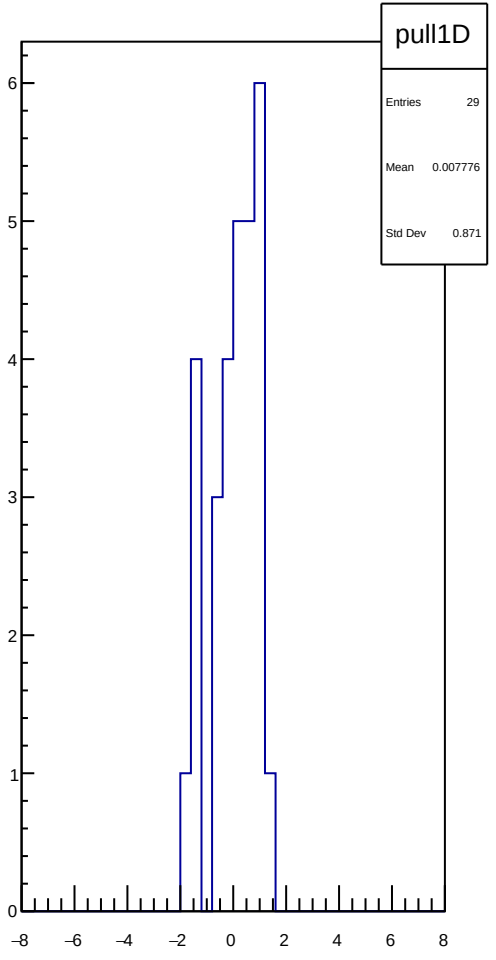

asym_at1_dd_rms vs run
χ² / ndf 2.569e+04 / 28
p0 1937 ± 2.62
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

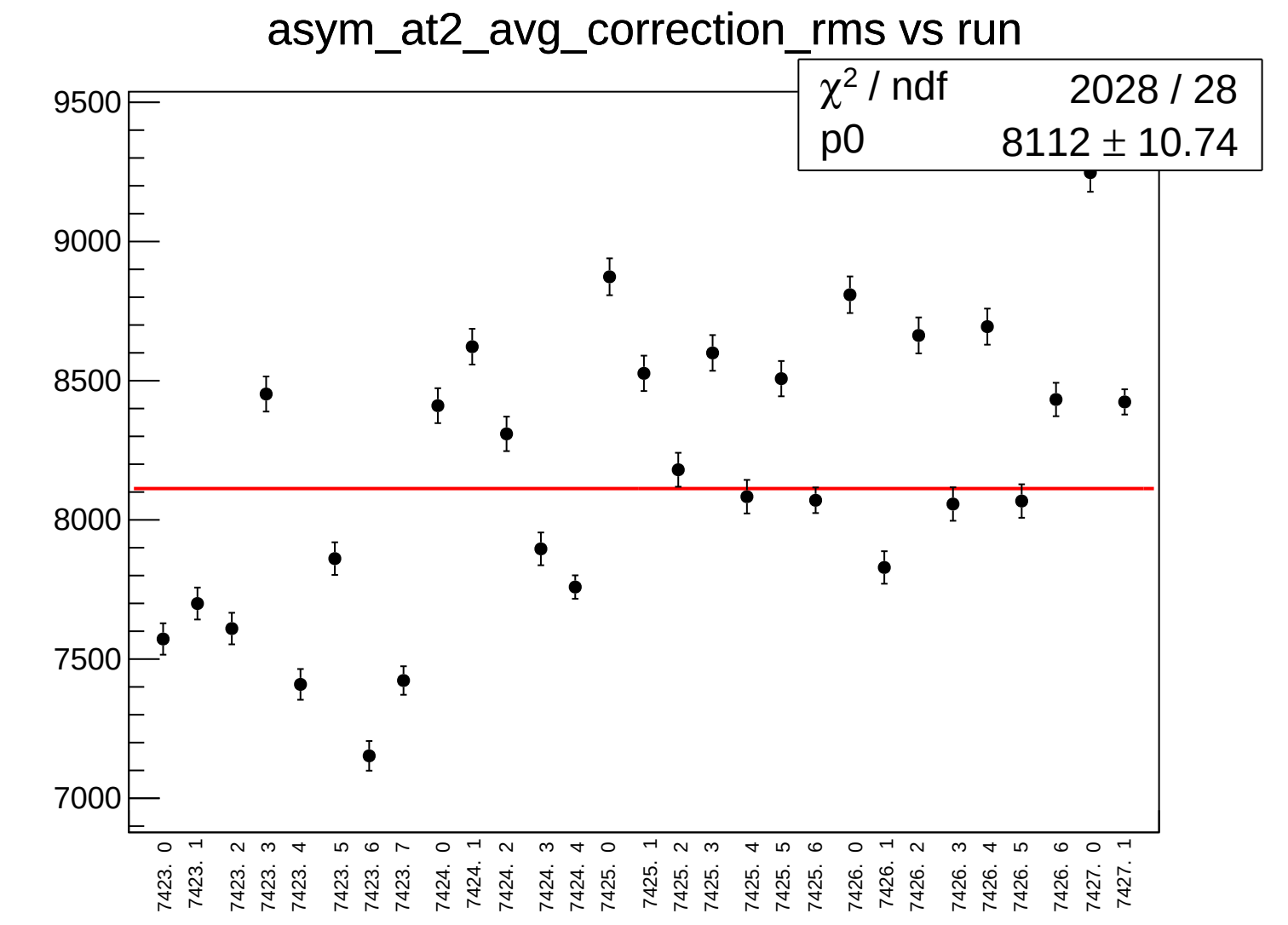

dit_asym_at2_avg_mean vs run
χ² / ndf 27.77 / 28
p0 254.2 ± 3360
60000
40000
20000
0
−20000
−40000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −315.3
Std Dev 332.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

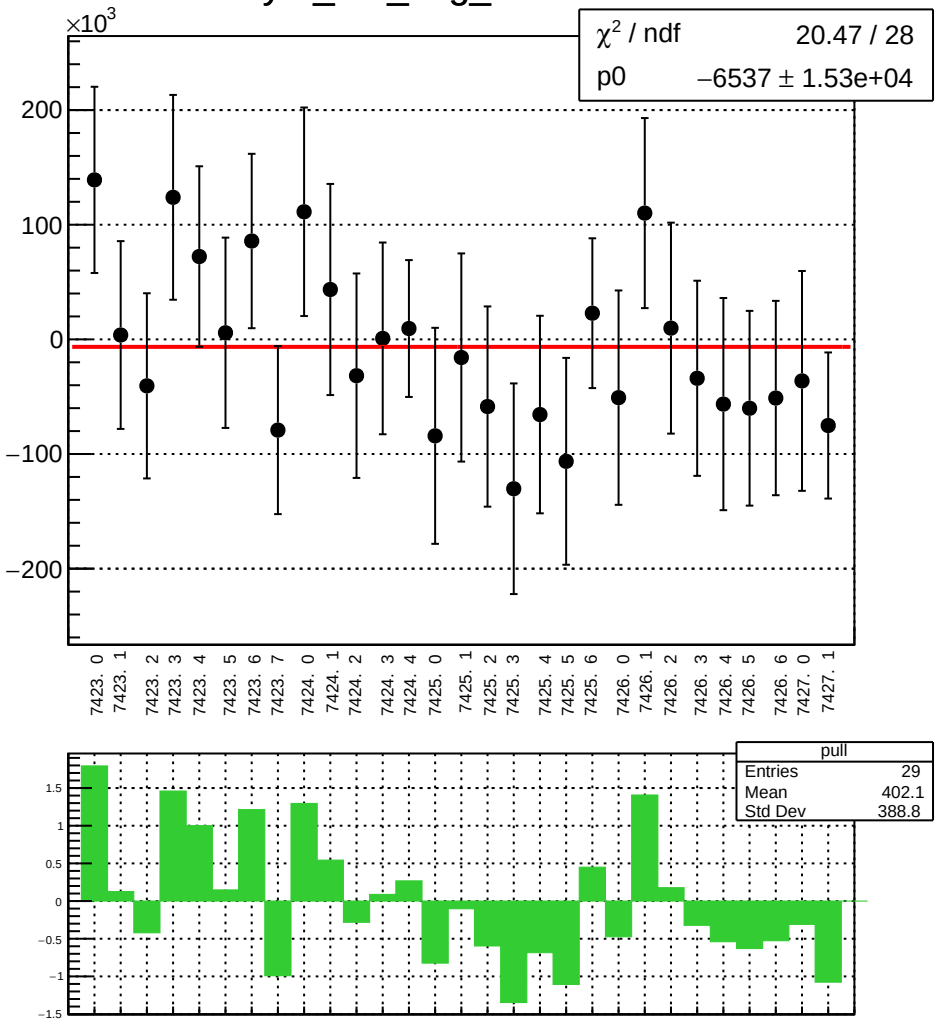

pull1D
Entries 29
Mean −0.006366
Std Dev 0.9786
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

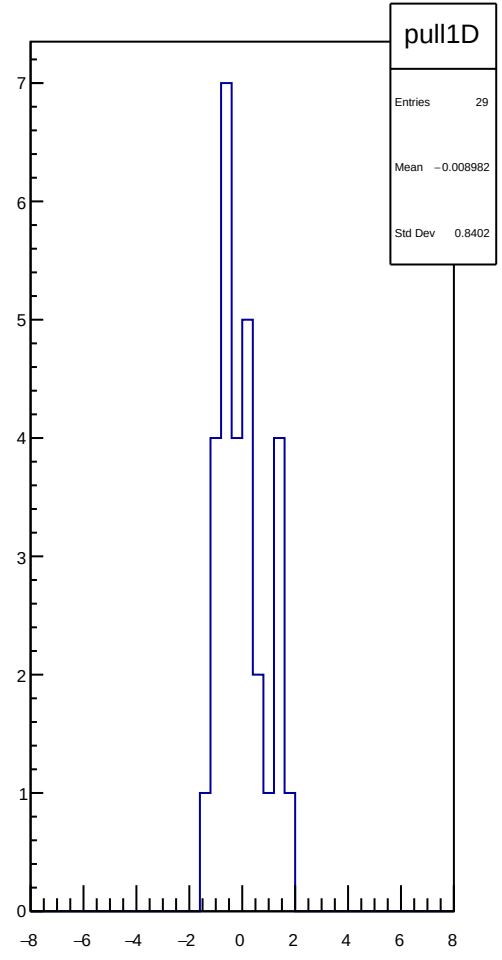

dit_asym_at2_avg_rms vs run
χ² / ndf 702 / 28
p0 1796 ± 2.376
2050
2000
1950
1900
1850
1800
1750
1700
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

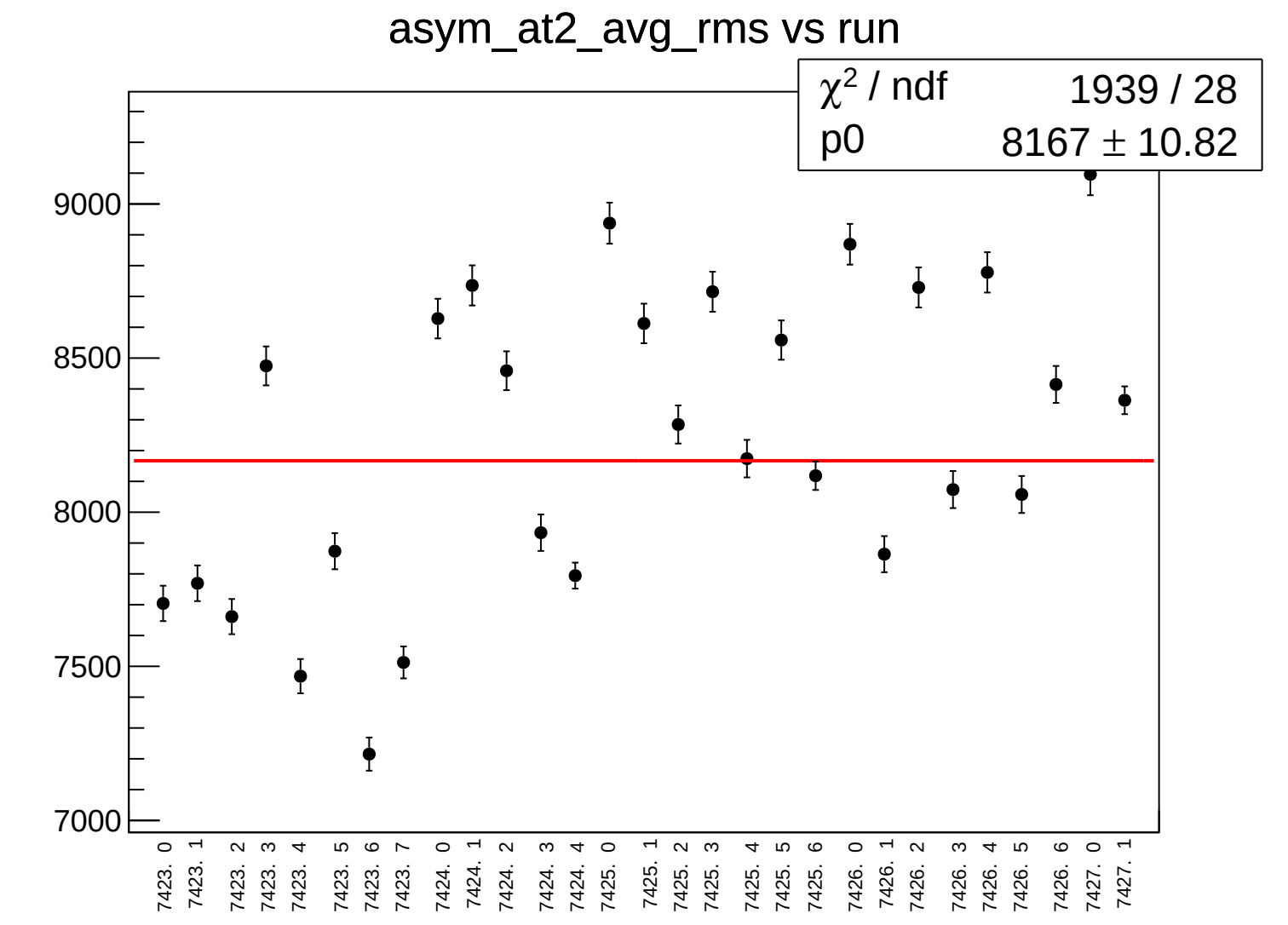

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 22 / 28
p0 6743 ± 1.519e+04
200
100
0
−100
−200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 523.6
Std Dev 509.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

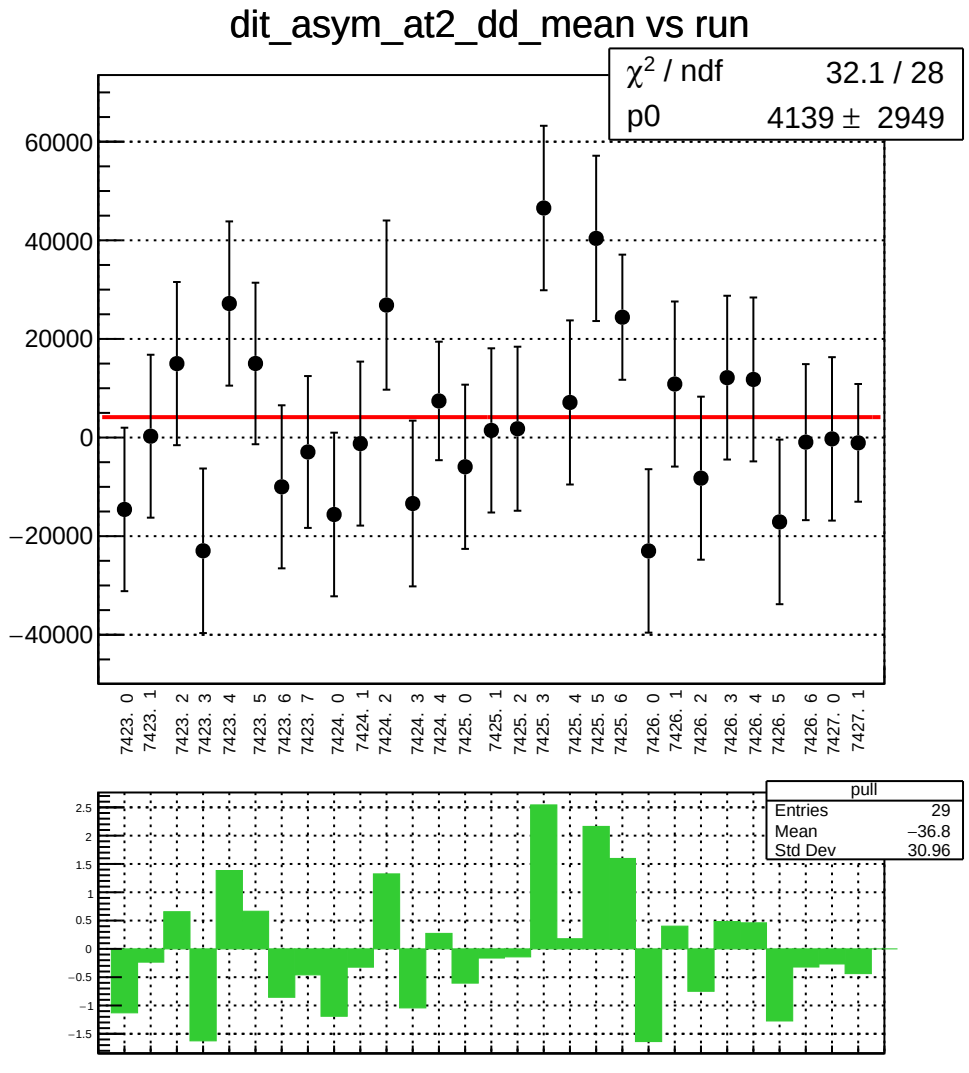

pull1D
Entries 29
Mean 0.007776
Std Dev 0.871
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

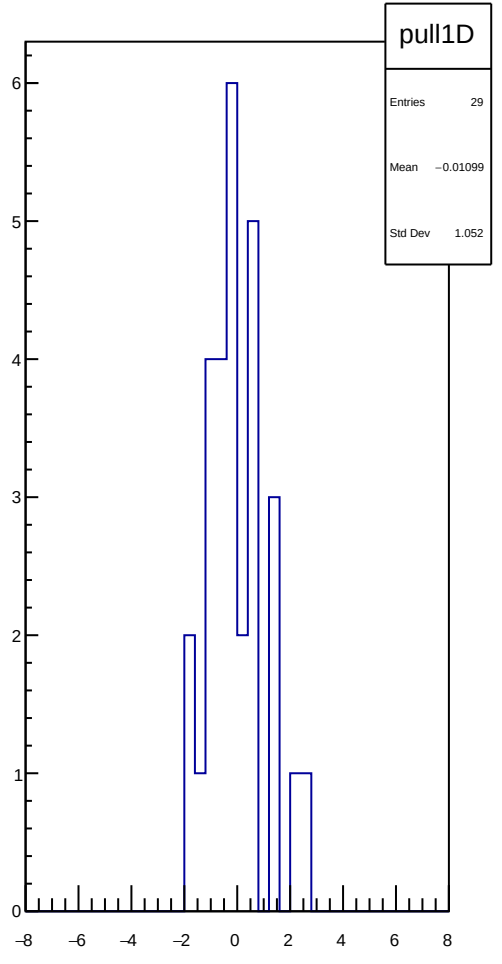

asym_at2_avg_correction_rms vs run
χ² / ndf 2028 / 28
p0 8112 ± 10.74
9500
9000
8500
8000
7500
7000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

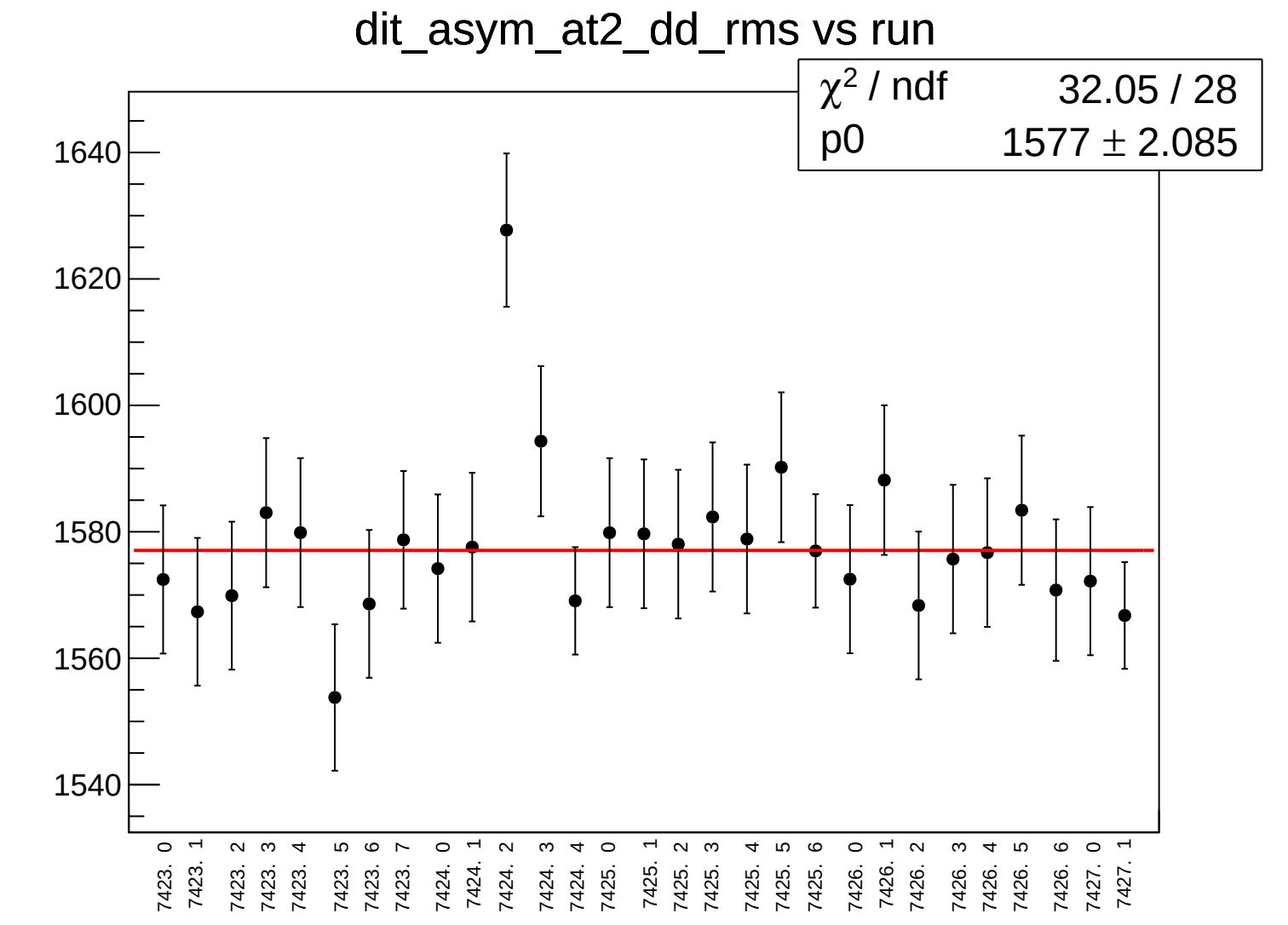

asym_at2_avg_mean vs run
×10^3
χ² / ndf 20.47 / 28
p0 −6537 ± 1.53e+04
200
100
0
−100
−200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 402.1
Std Dev 388.8
1.5
1
0.5
0
−0.5
−1
−1.5

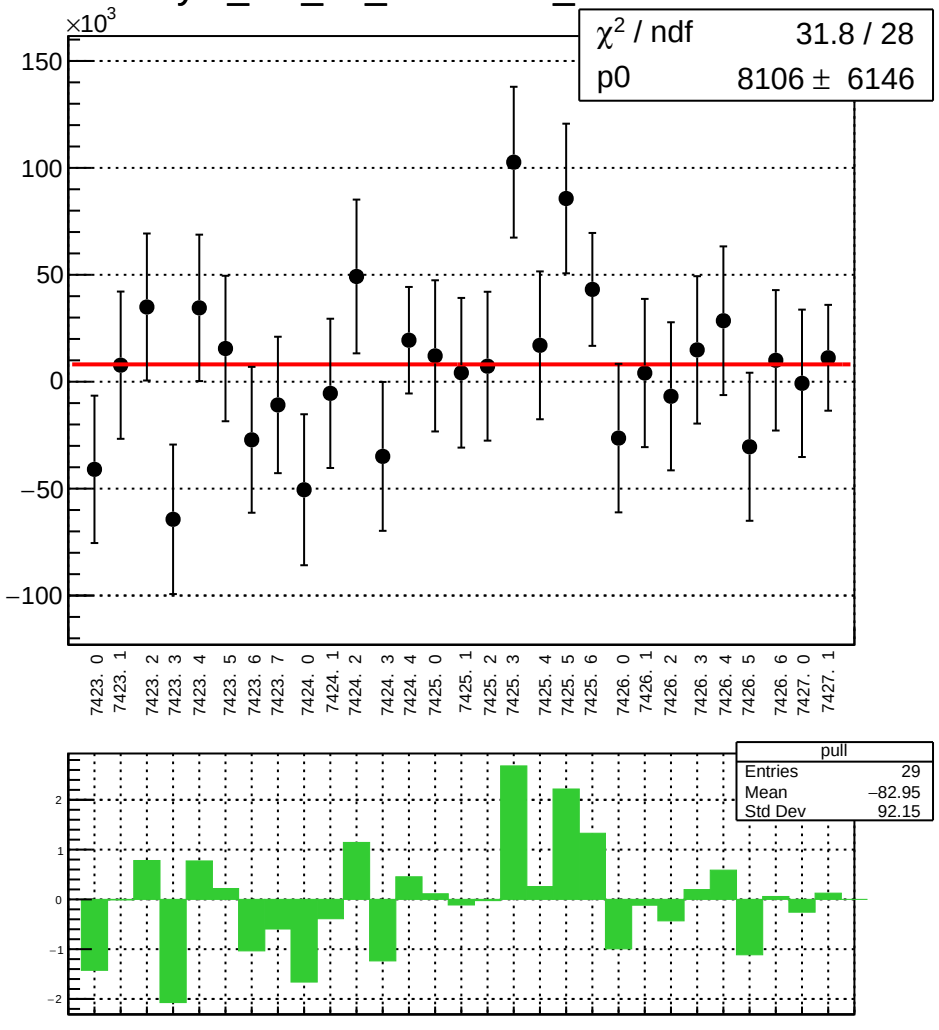

pull1D
Entries 29
Mean −0.008982
Std Dev 0.8402
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

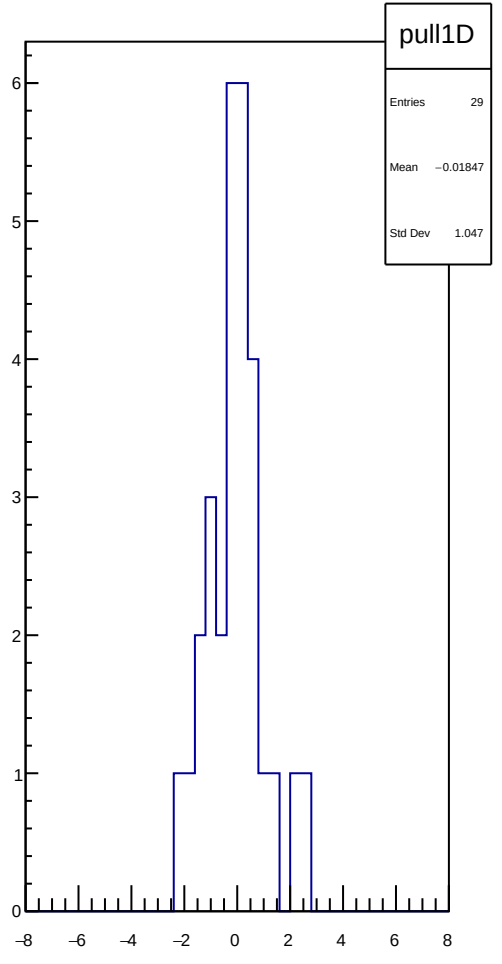

asym_at2_avg_rms vs run
χ² / ndf 1939 / 28
p0 8167 ± 10.82
9000
8500
8000
7500
7000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

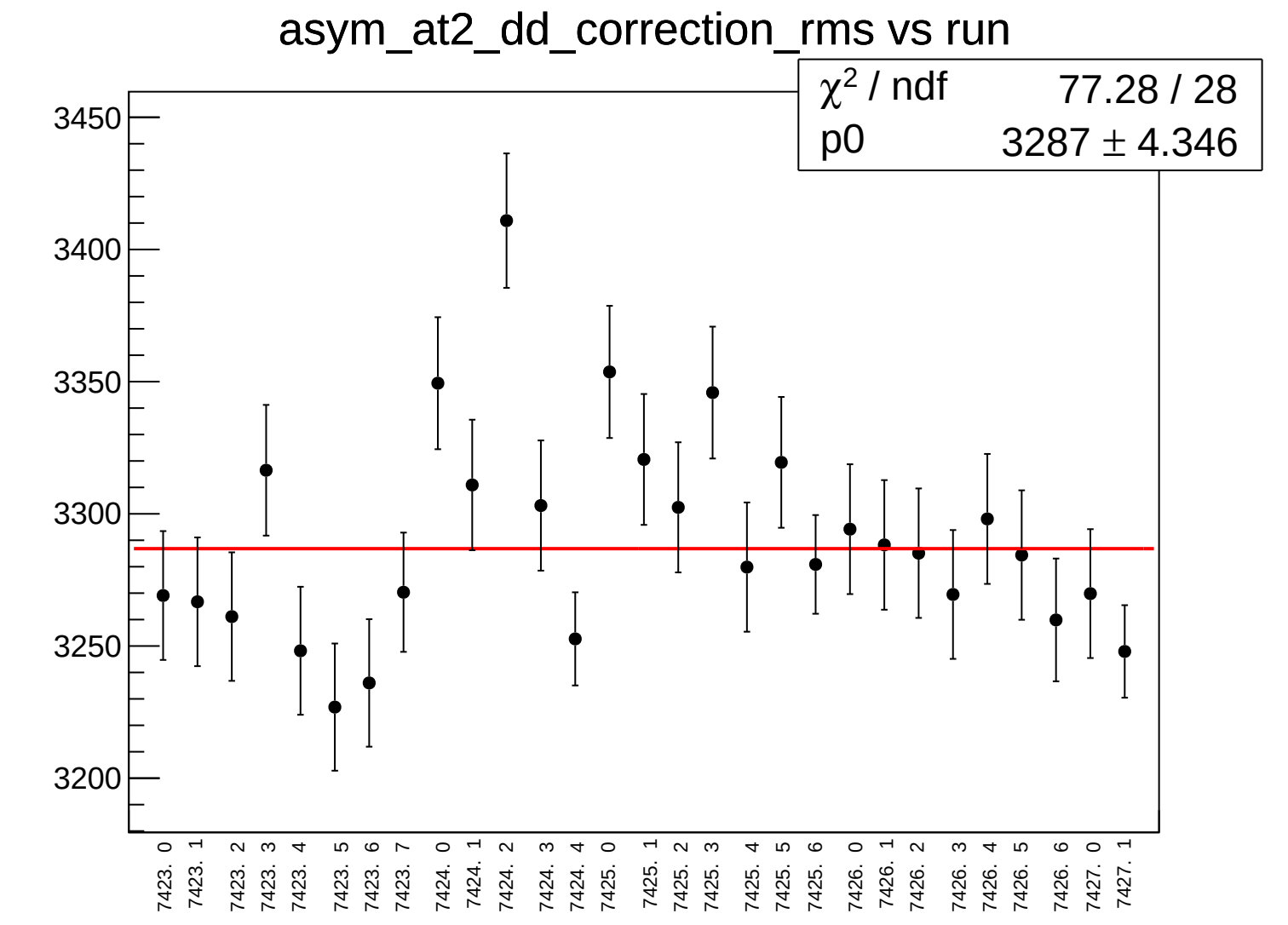

dit_asym_at2_dd_mean vs run
χ² / ndf 32.1 / 28
p0 4139 ± 2949
60000
40000
20000
0
−20000
−40000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −36.8
Std Dev 30.96
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

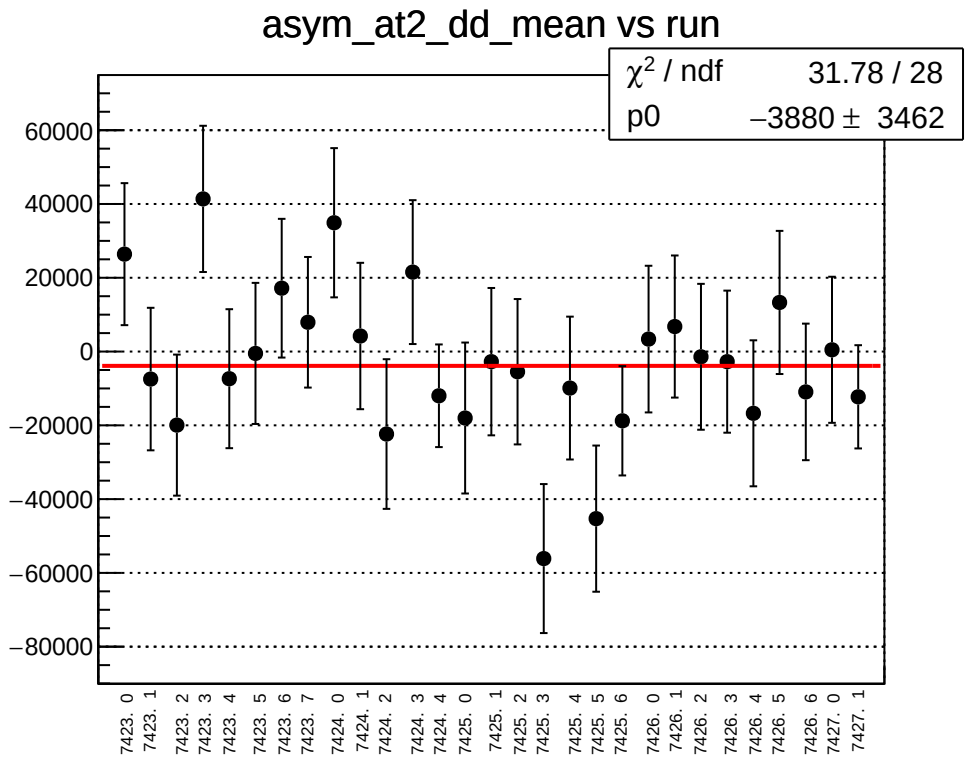

pull1D
Entries 29
Mean −0.01099
Std Dev 1.052
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

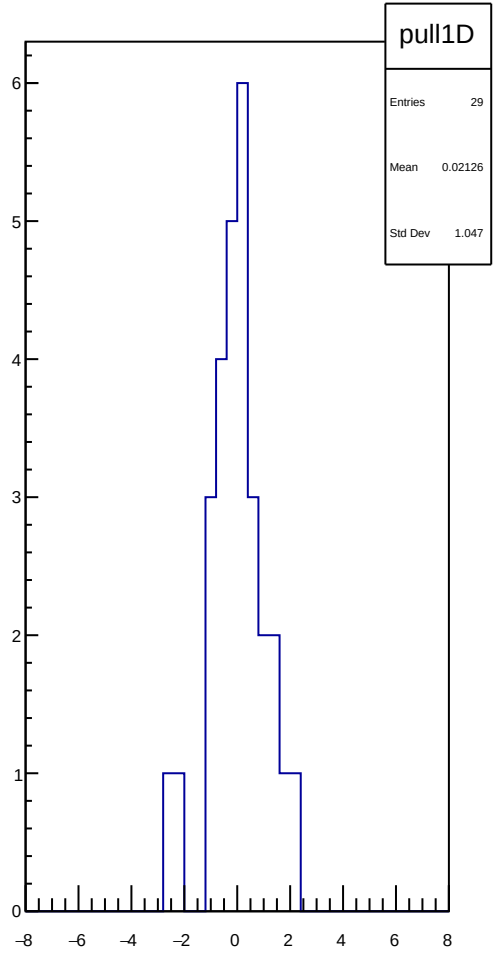

dit_asym_at2_dd_rms vs run
χ² / ndf 32.05 / 28
p0 1577 ± 2.085
1640
1620
1600
1580
1560
1540
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

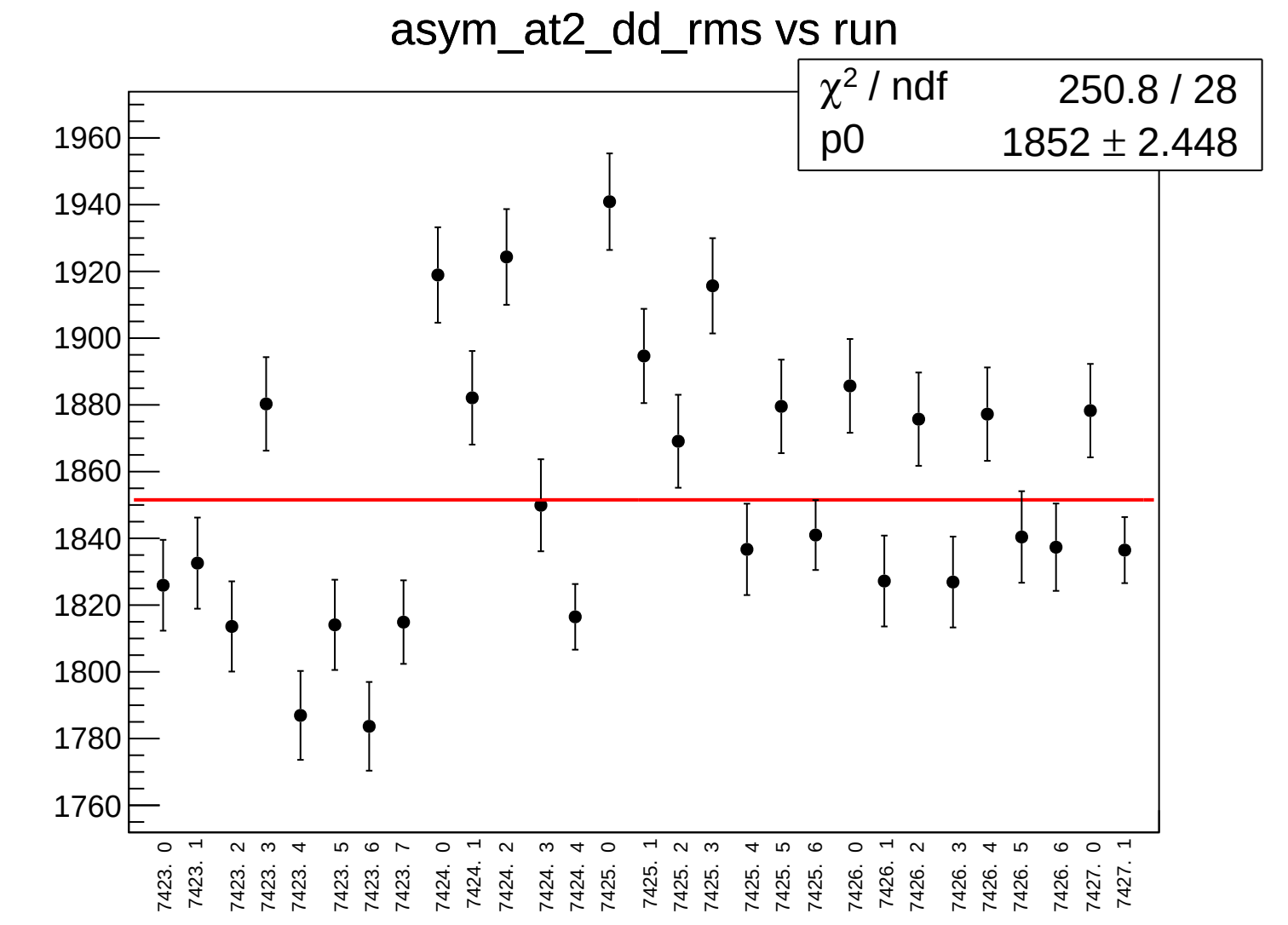

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 31.8 / 28
p0 8106 ± 6146
150
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −82.95
Std Dev 92.15
2
1
0
−1
−2

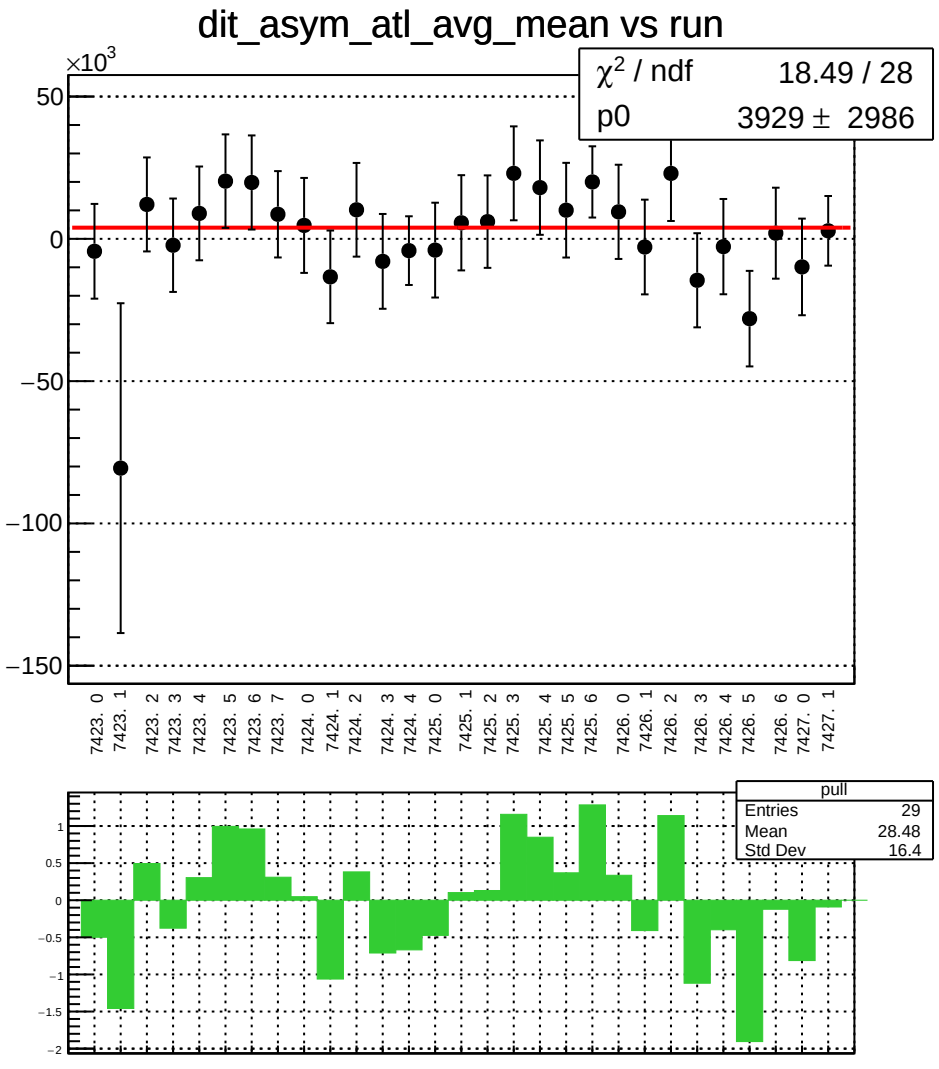

pull1D
Entries 29
Mean −0.01847
Std Dev 1.047
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

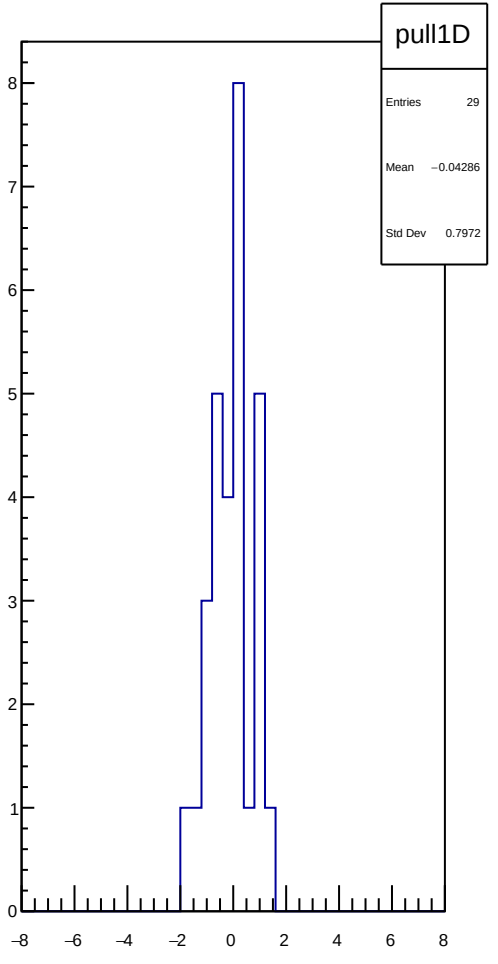

asym_at2_dd_correction_rms vs run
χ² / ndf 77.28 / 28
p0 3287 ± 4.346
3450
3400
3350
3300
3250
3200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

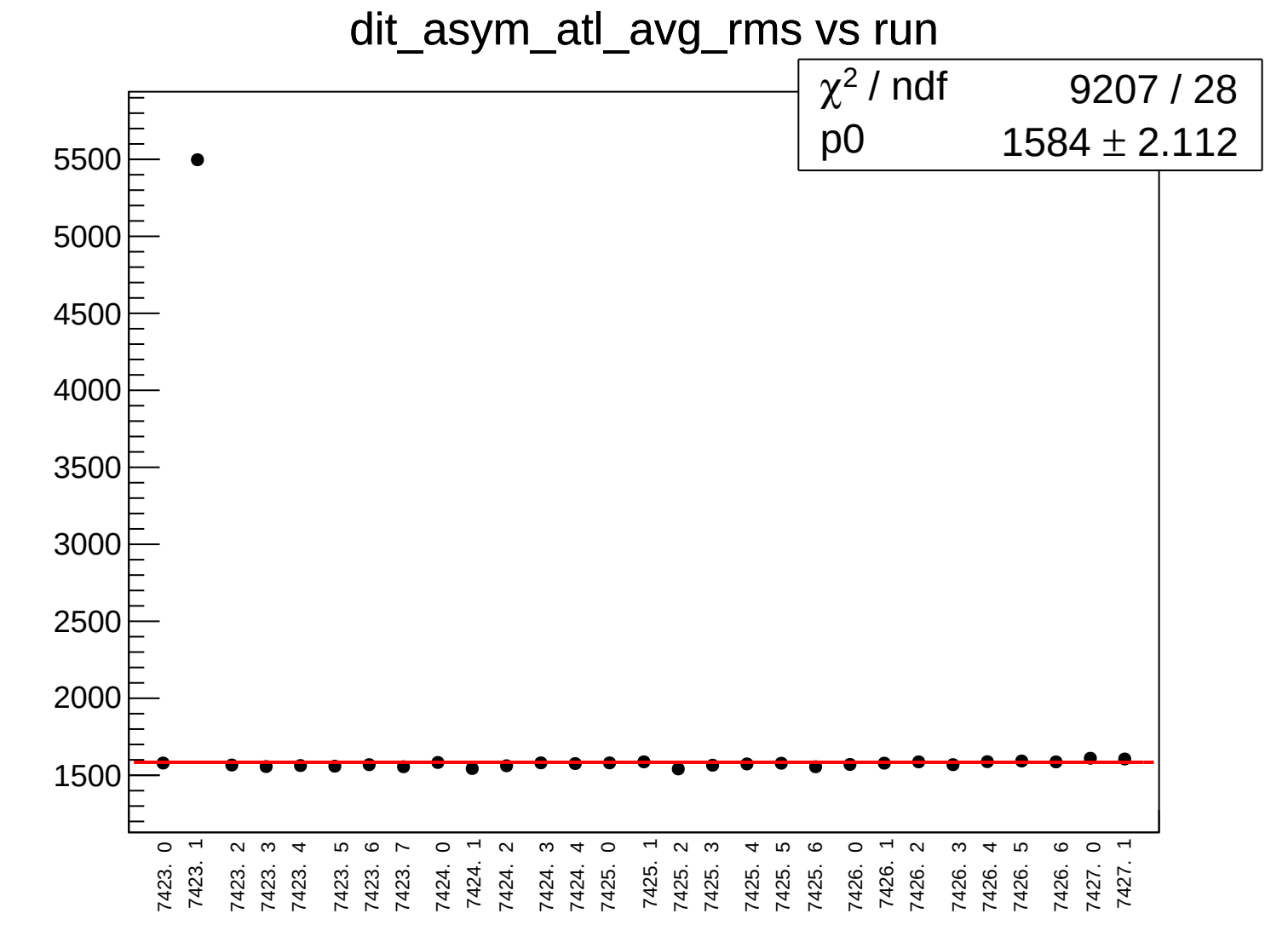

asym_at2_dd_mean vs run
χ² / ndf 31.78 / 28
p0 −3880 ± 3462
60000
40000
20000
0
−20000
−40000
−60000
−80000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −113.4
Std Dev 124.7
2
1
0
−1
−2

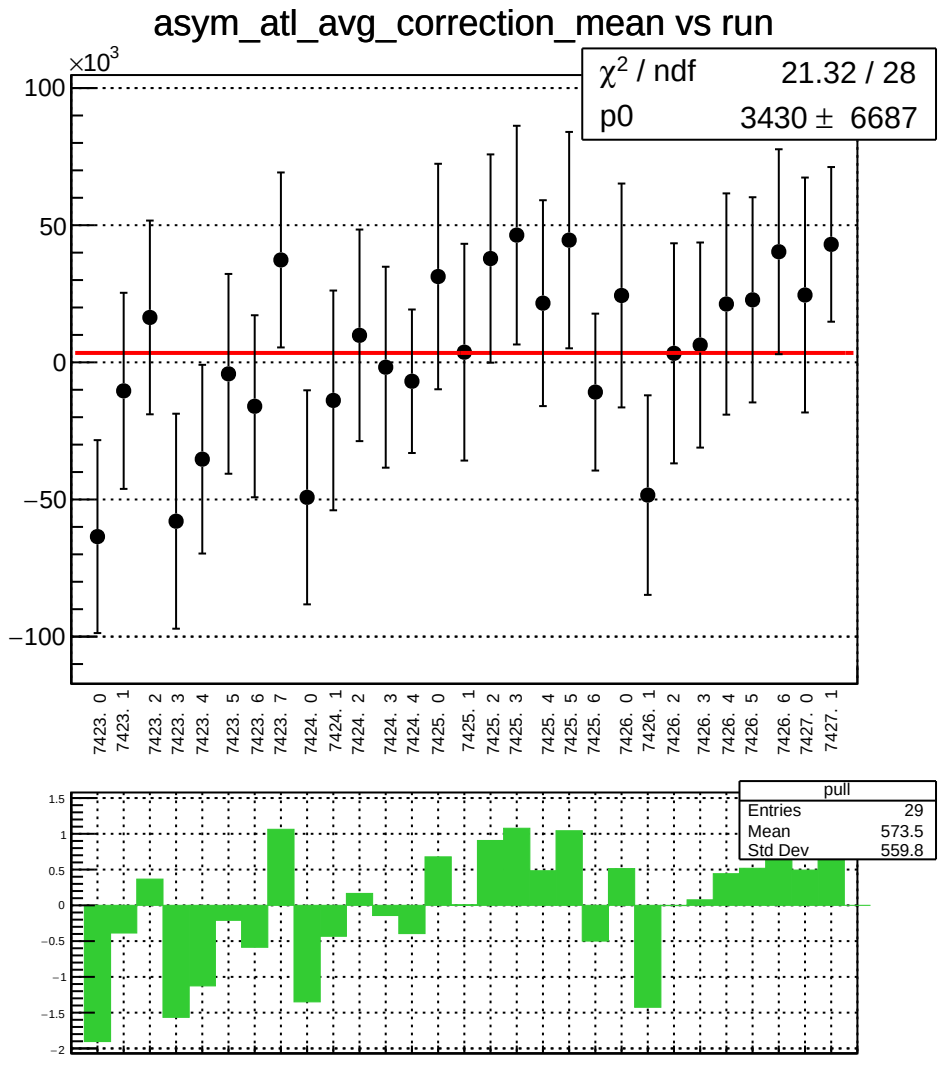

pull1D
Entries 29
Mean 0.02126
Std Dev 1.047
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

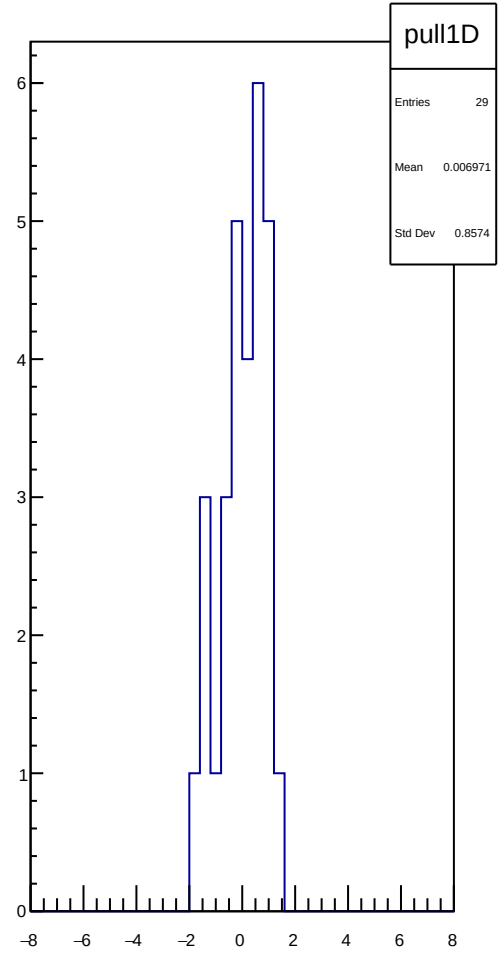

asym_at2_dd_rms vs run
χ² / ndf 250.8 / 28
p0 1852 ± 2.448
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

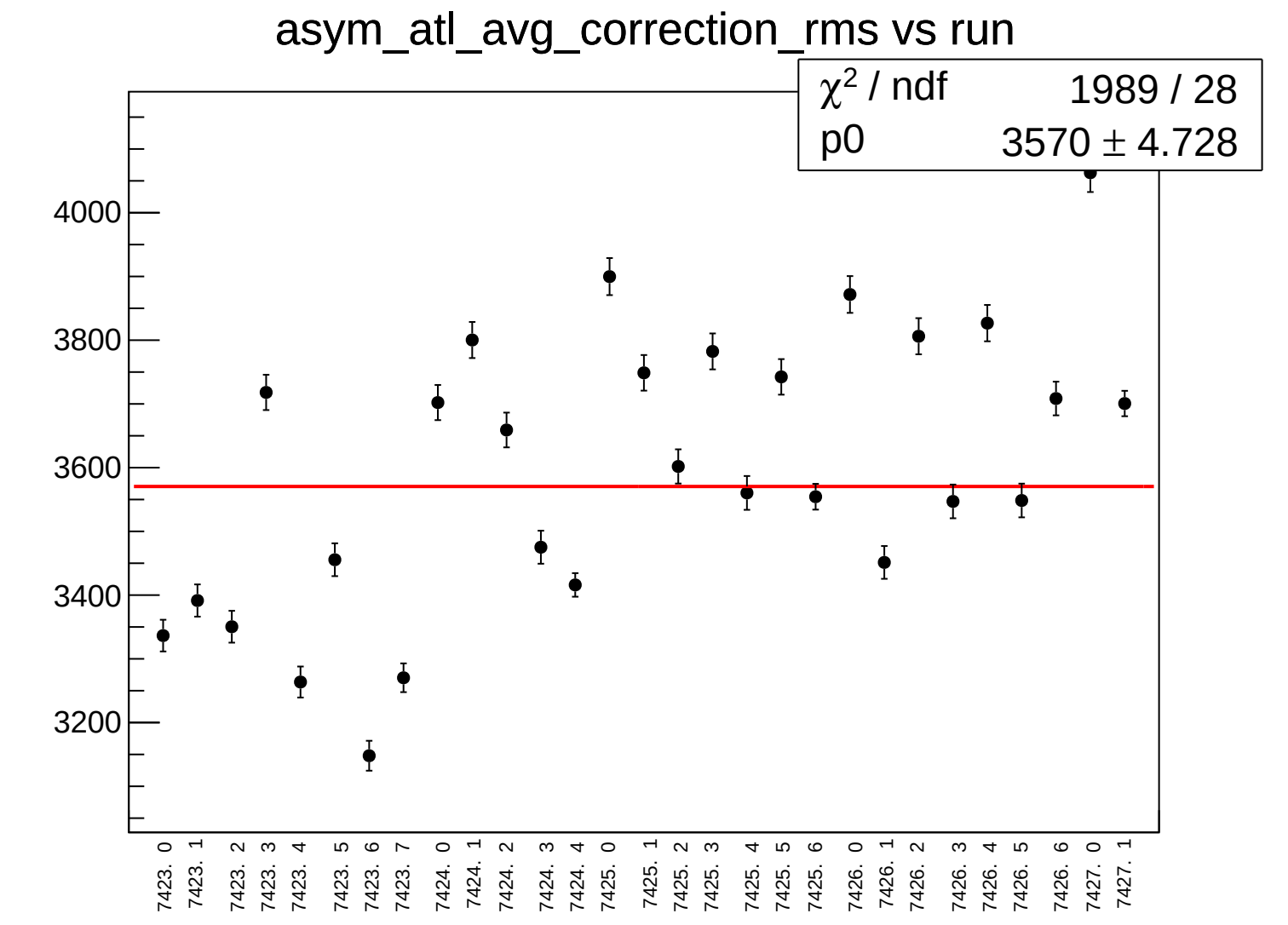

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 18.49 / 28
p0 3929 ± 2986
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 28.48
Std Dev 16.4
1
0.5
0
−0.5
−1
−1.5
−2

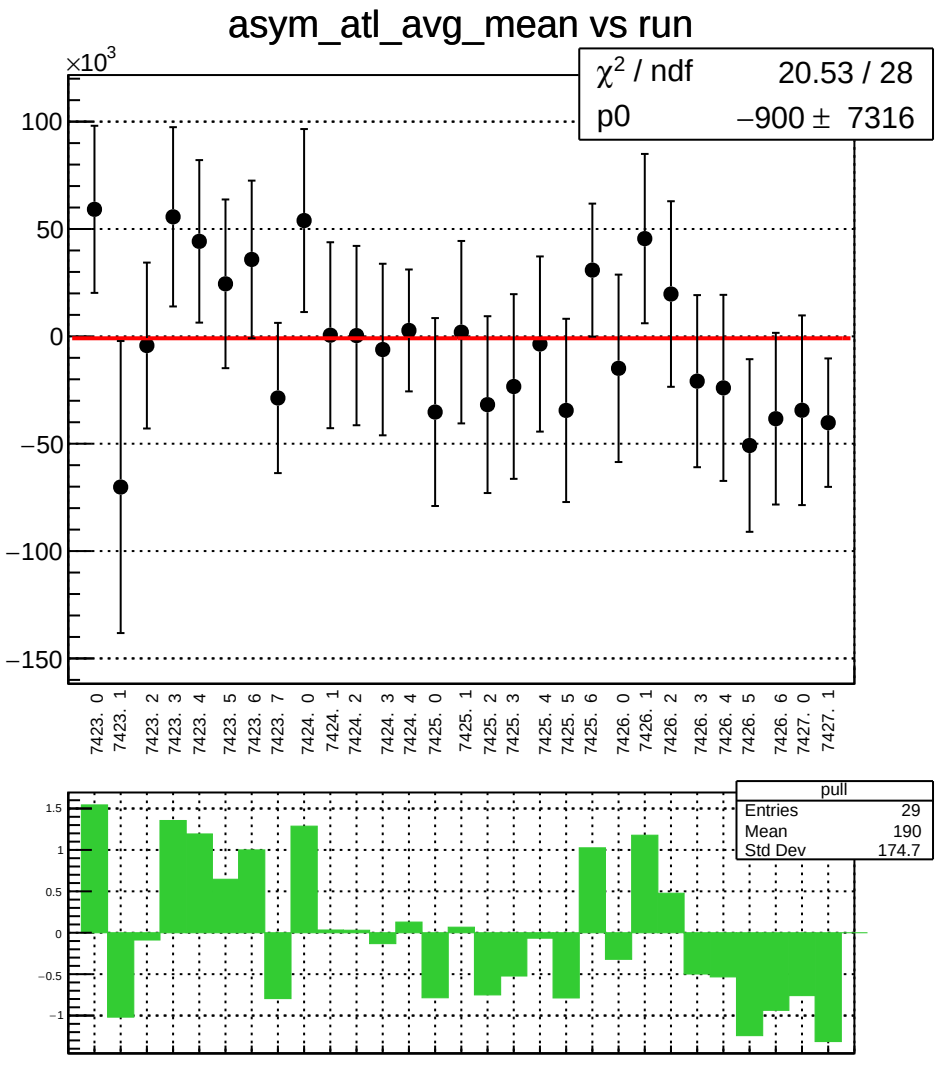

pull1D
Entries 29
Mean −0.04286
Std Dev 0.7972
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

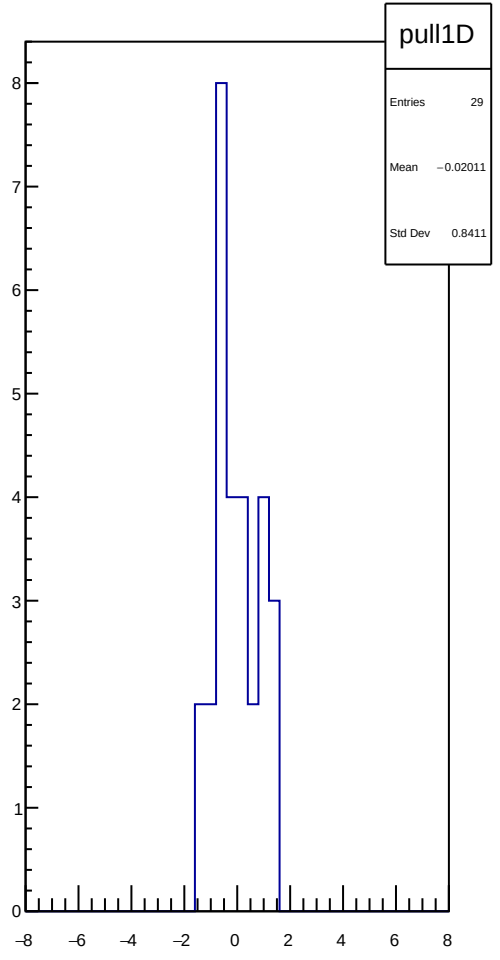

dit_asym_atl_avg_rms vs run
χ² / ndf 9207 / 28
p0 1584 ± 2.112
5500
5000
4500
4000
3500
3000
2500
2000
1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

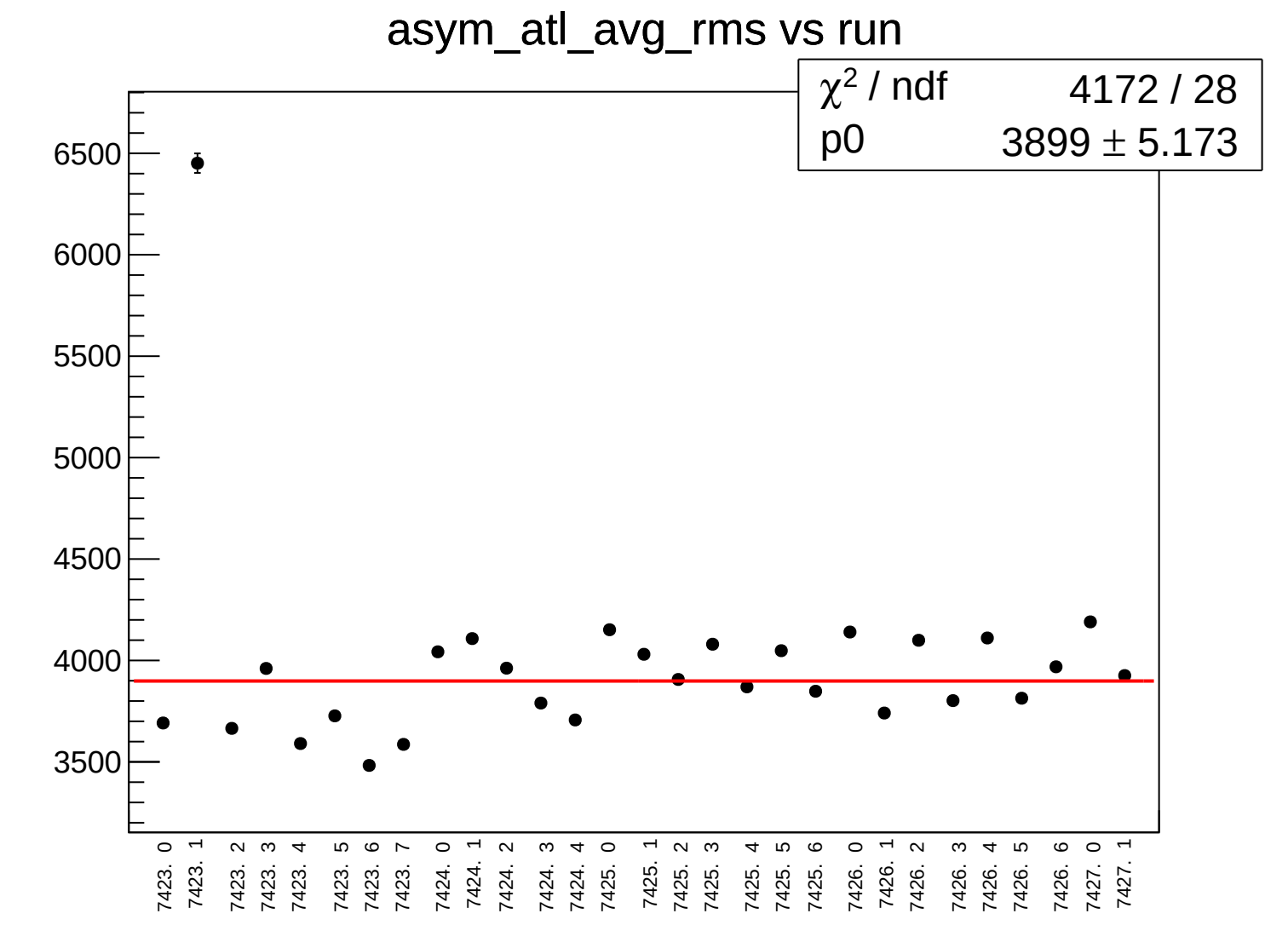

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 21.32 / 28
p0 3430 ± 6687
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 573.5
Std Dev 559.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

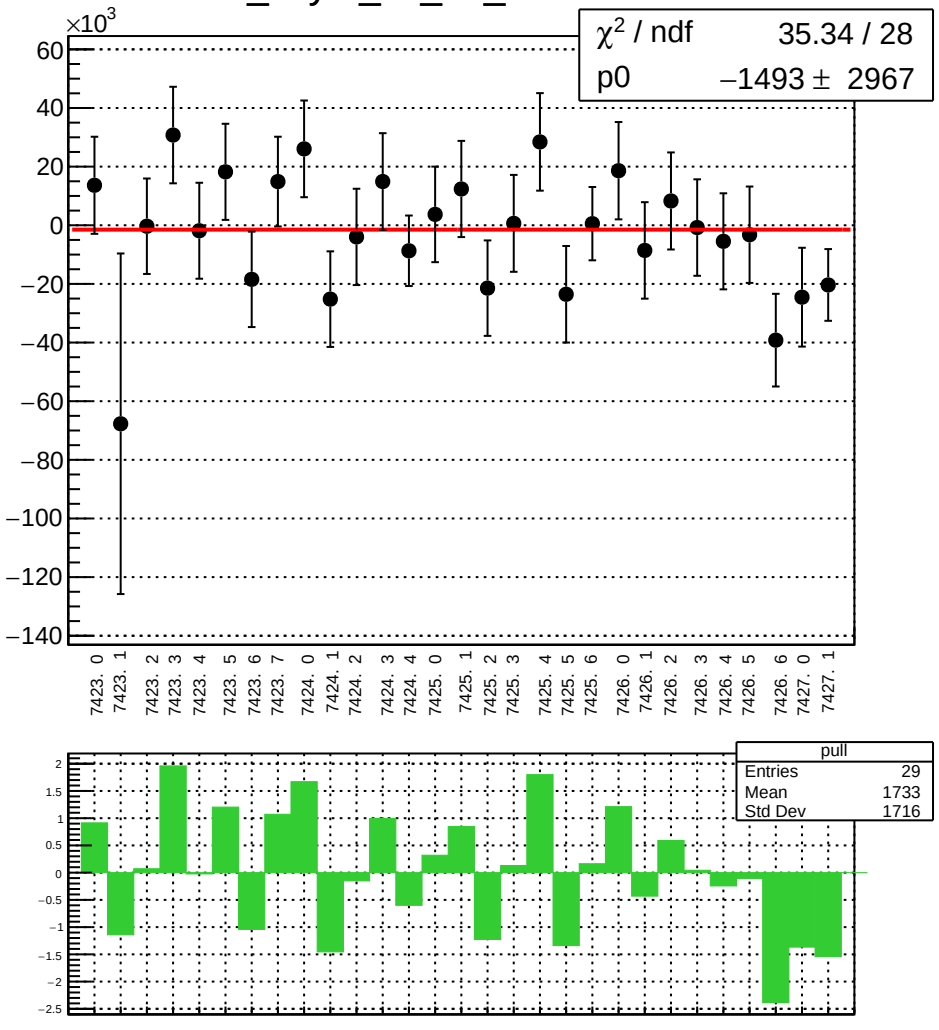

pull1D
Entries 29
Mean 0.006971
Std Dev 0.8574
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

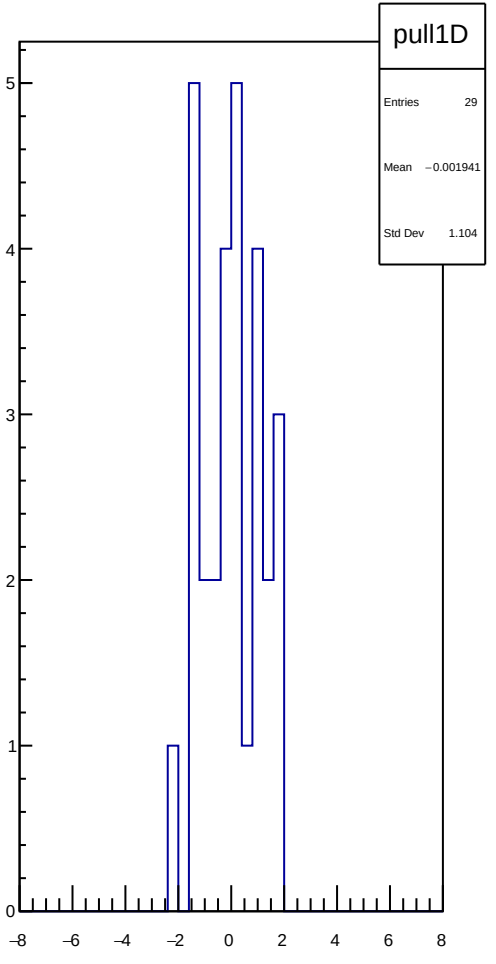

asym_atl_avg_correction_rms vs run
χ² / ndf 1989 / 28
p0 3570 ± 4.728
4000
3800
3600
3400
3200
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

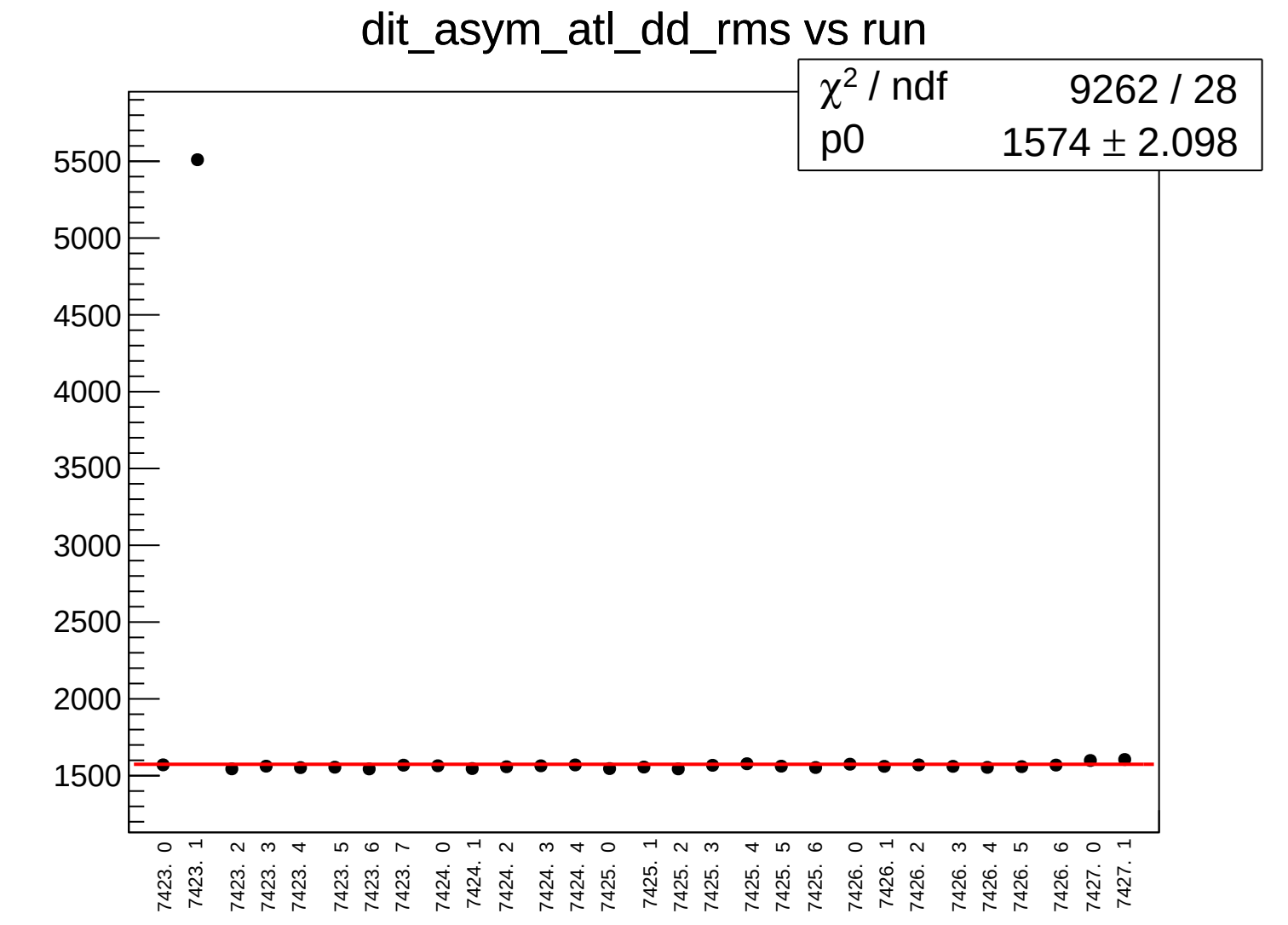

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 20.53 / 28
p0 −900 ± 7316
100
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 190
Std Dev 174.7
1.5
1
0.5
0
−0.5
−1

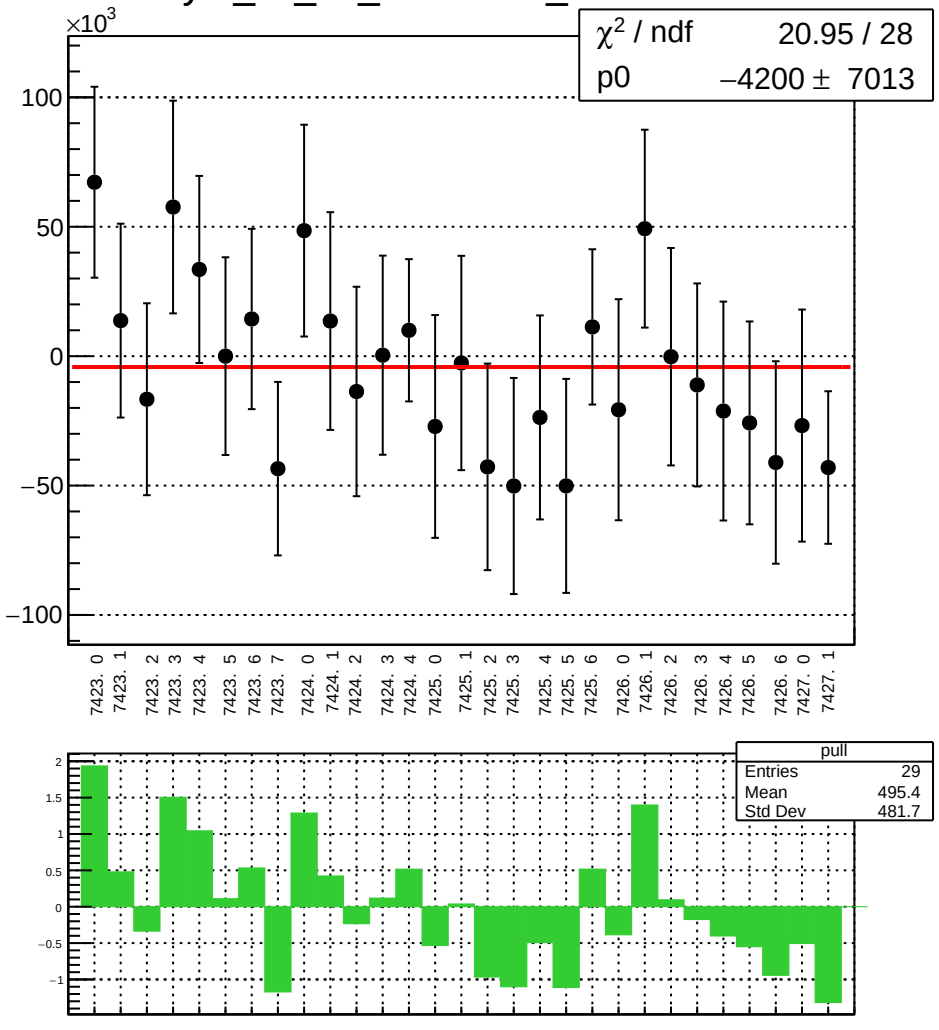

pull1D
Entries 29
Mean −0.02011
Std Dev 0.8411
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

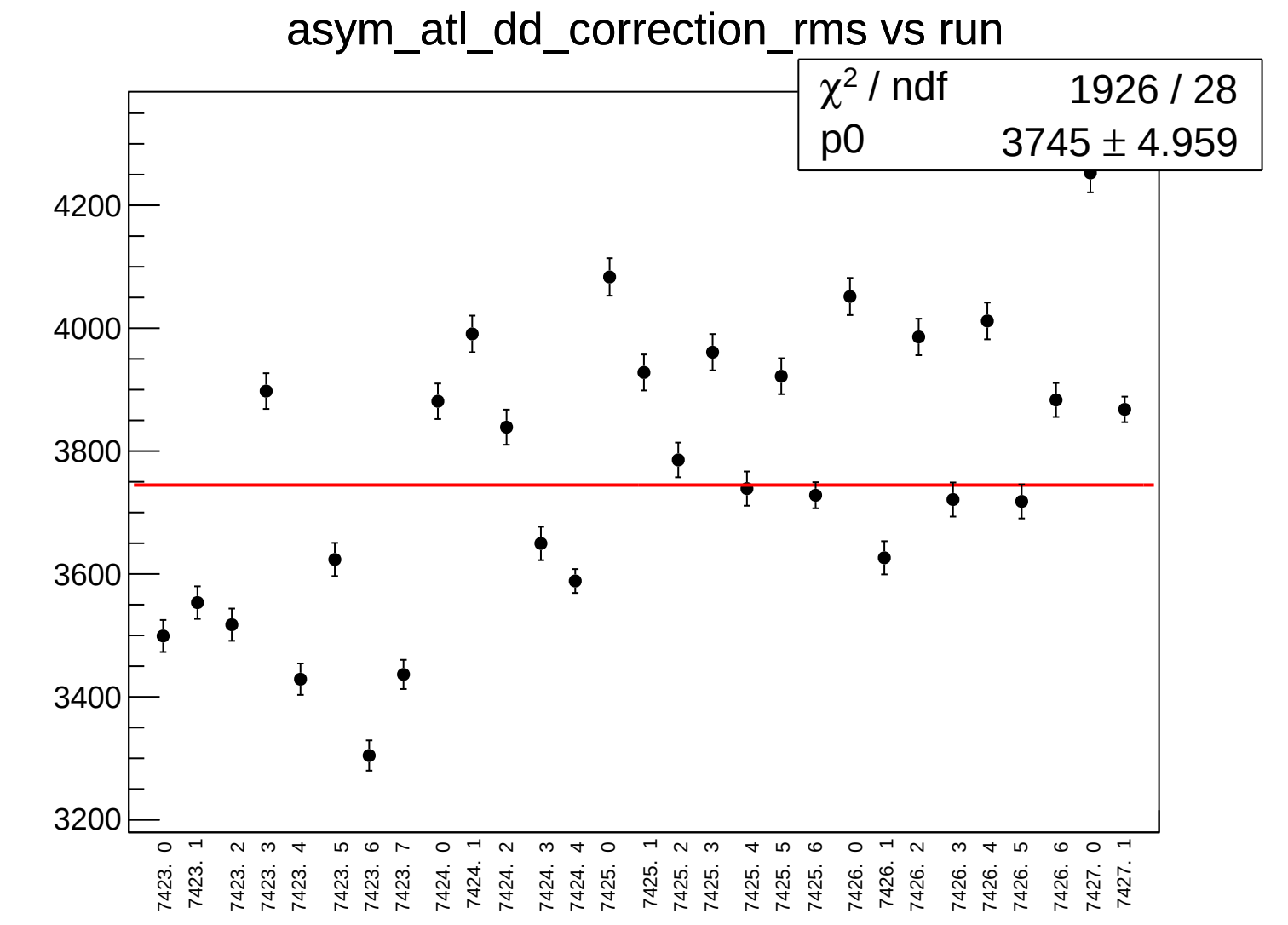

asym_atl_avg_rms vs run
χ² / ndf 4172 / 28
p0 3899 ± 5.173
6500
6000
5500
5000
4500
4000
3500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

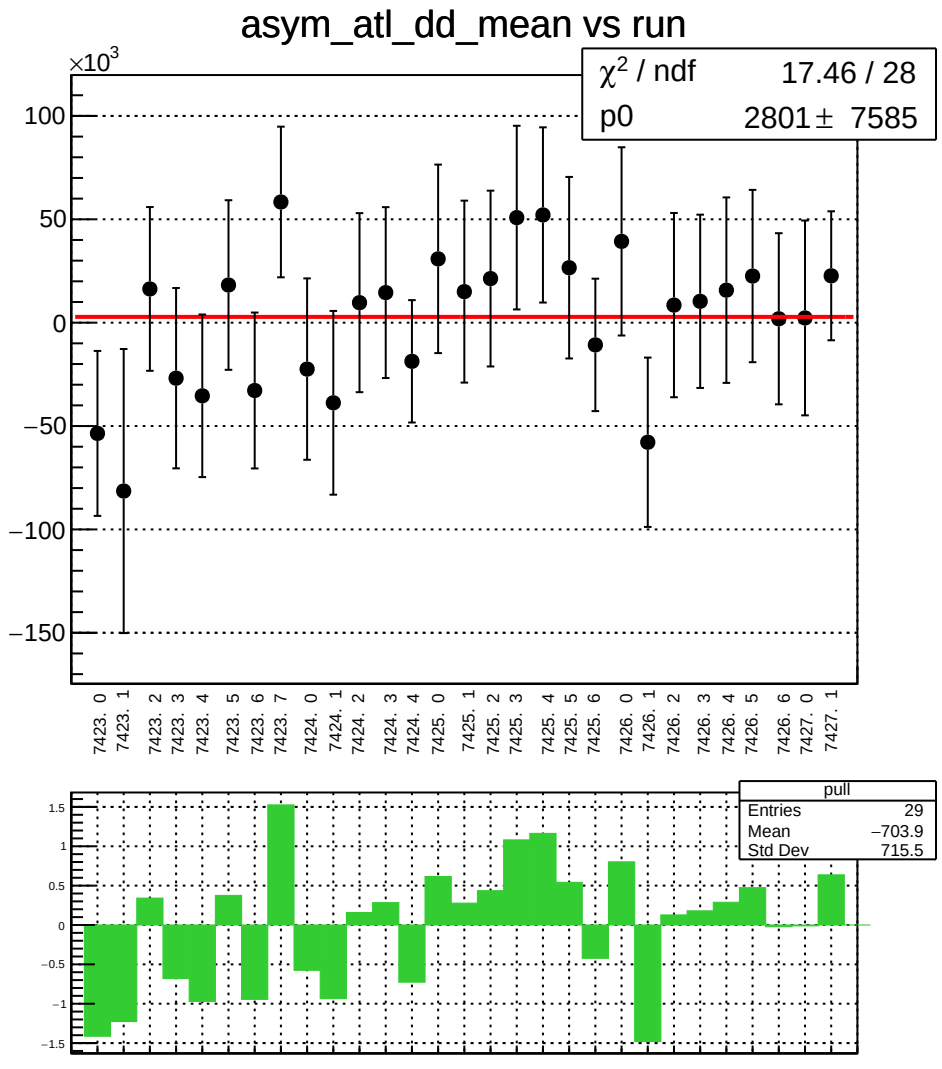

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 35.34 / 28
p0 −1493 ± 2967
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 1733
Std Dev 1716
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

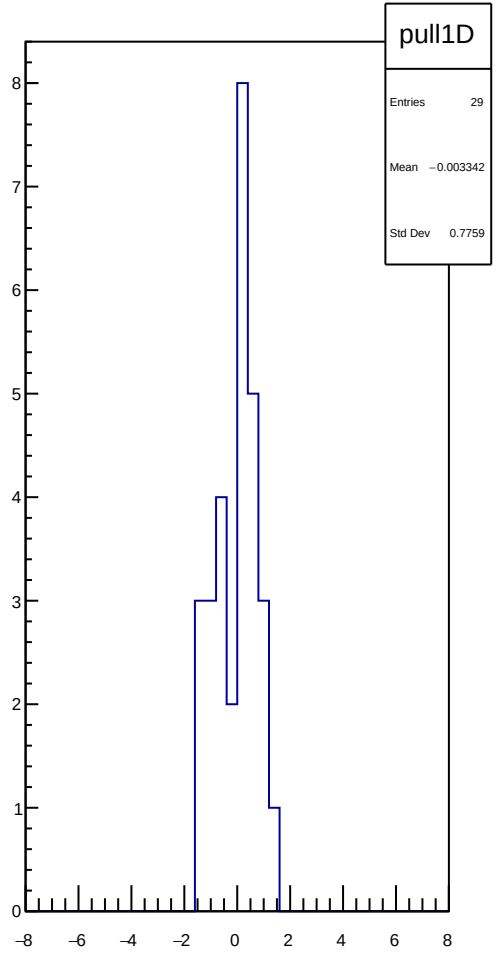

pull1D
Entries 29
Mean −0.001941
Std Dev 1.104
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

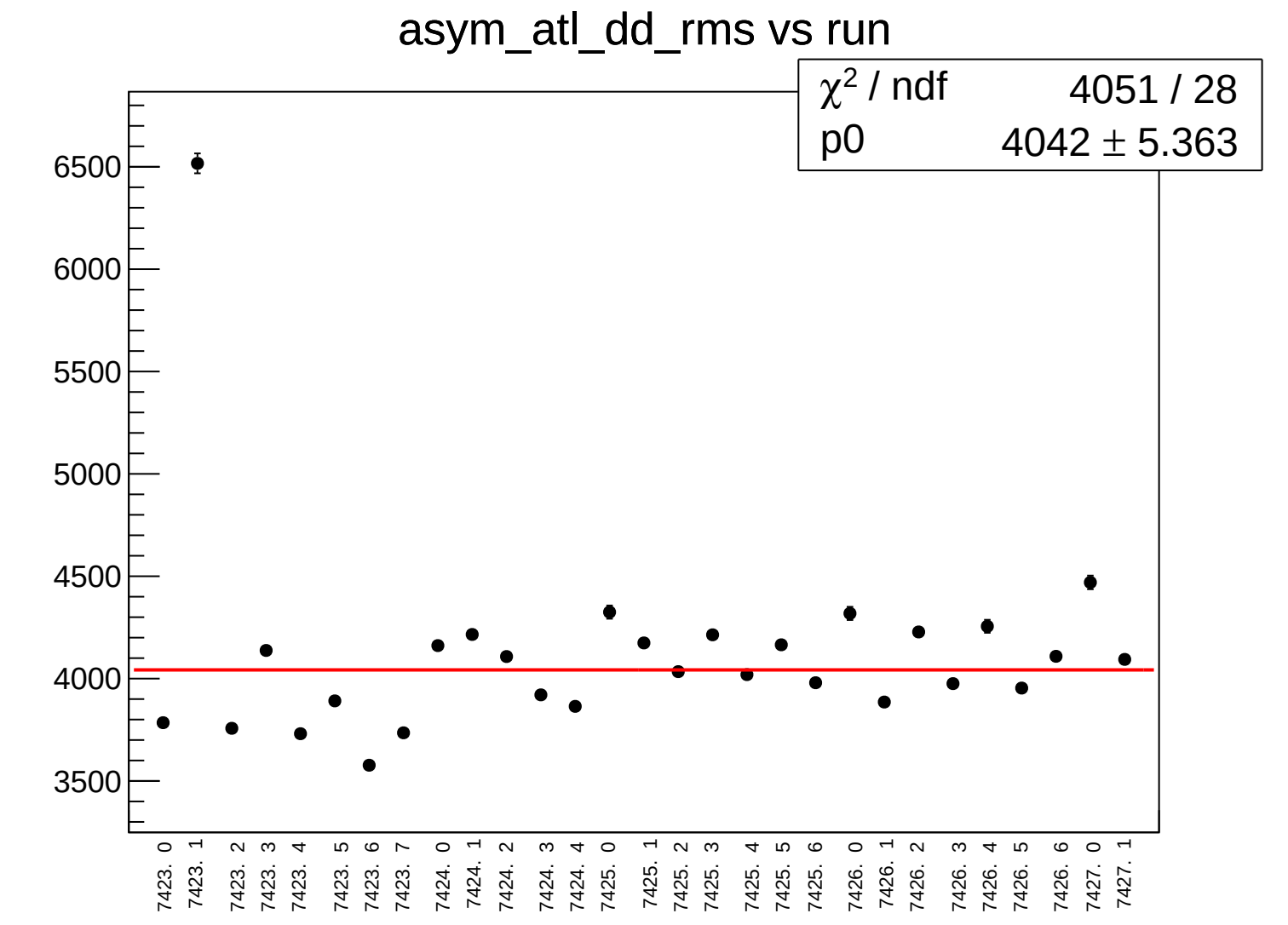

dit_asym_atl_dd_rms vs run
χ² / ndf 9262 / 28
p0 1574 ± 2.098
5500
5000
4500
4000
3500
3000
2500
2000
1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

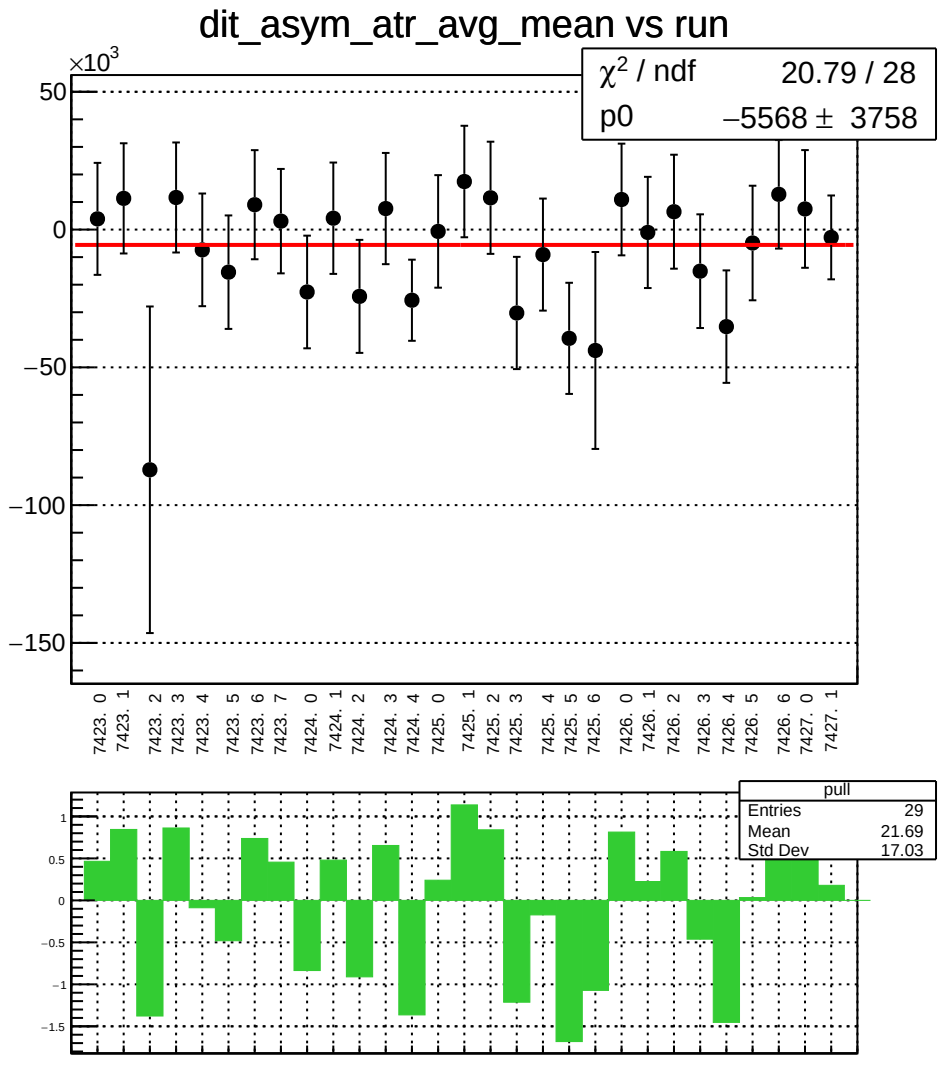

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 20.95 / 28
p0 −4200 ± 7013
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 495.4
Std Dev 481.7
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.007842
Std Dev 0.8499
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

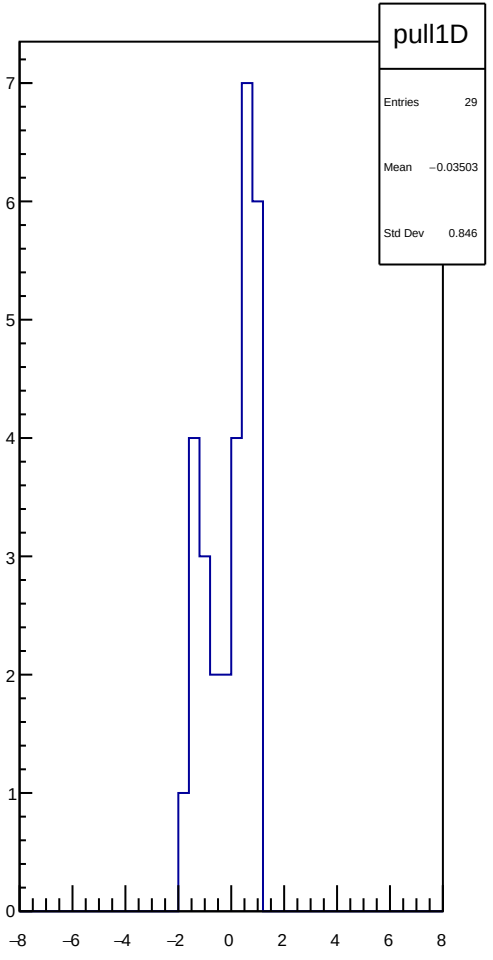

asym_atl_dd_correction_rms vs run
χ² / ndf 1926 / 28
p0 3745 ± 4.959
4200
4000
3800
3600
3400
3200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

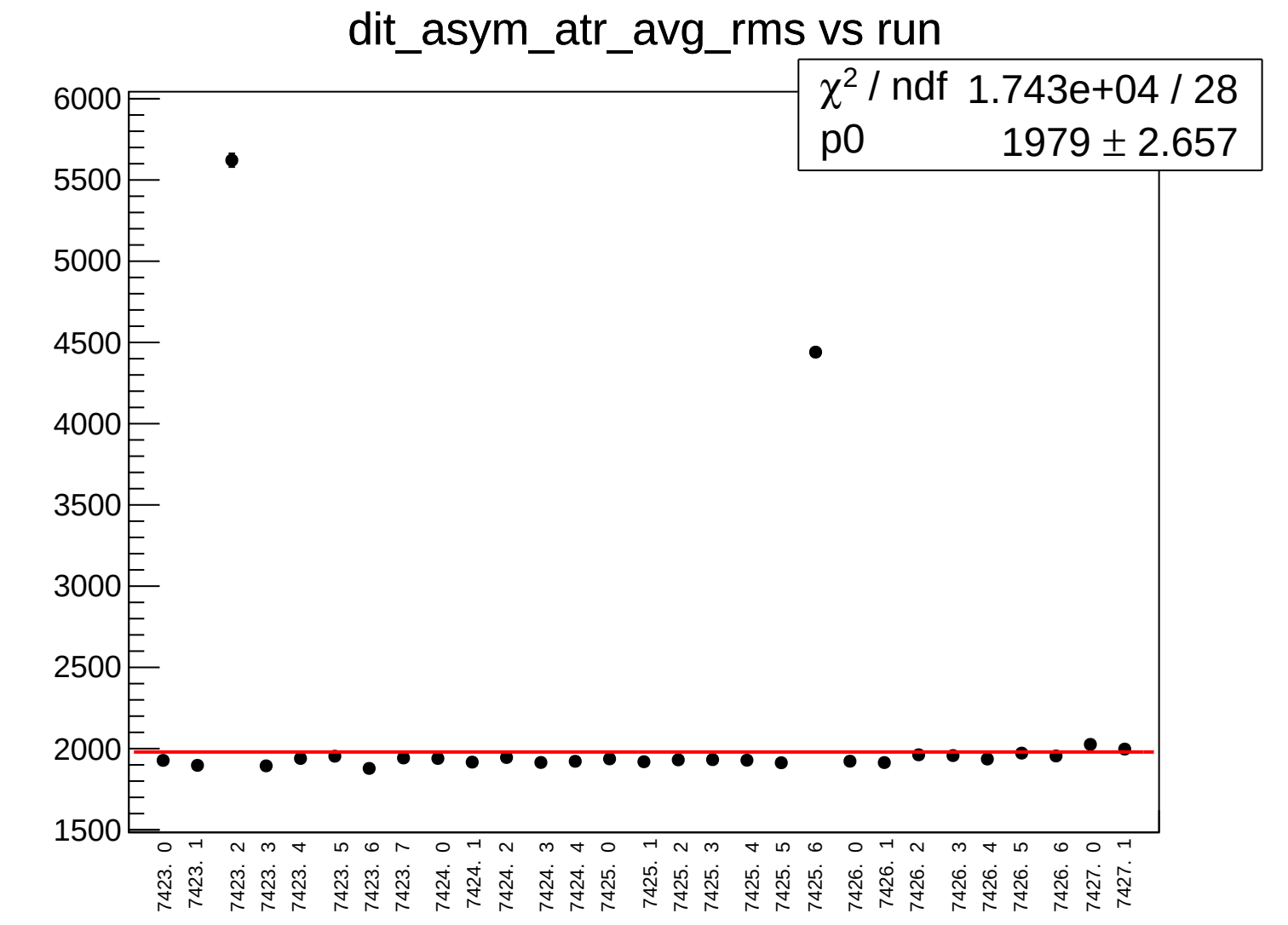

asym_atl_dd_mean vs run
×10^3
χ² / ndf 17.46 / 28
p0 2801 ± 7585
100
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −703.9
Std Dev 715.5
1.5
1
0.5
0
−0.5
−1
−1.5

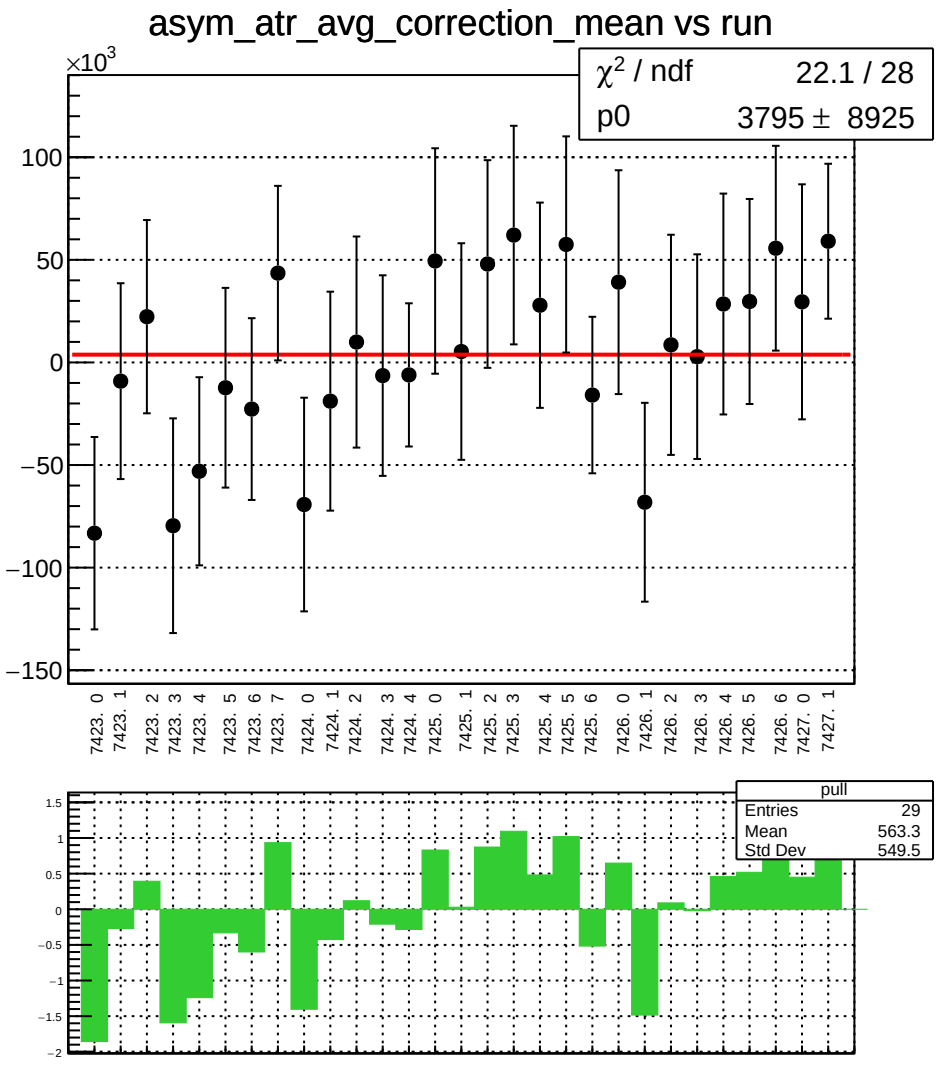

pull1D
Entries 29
Mean −0.003342
Std Dev 0.7759
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

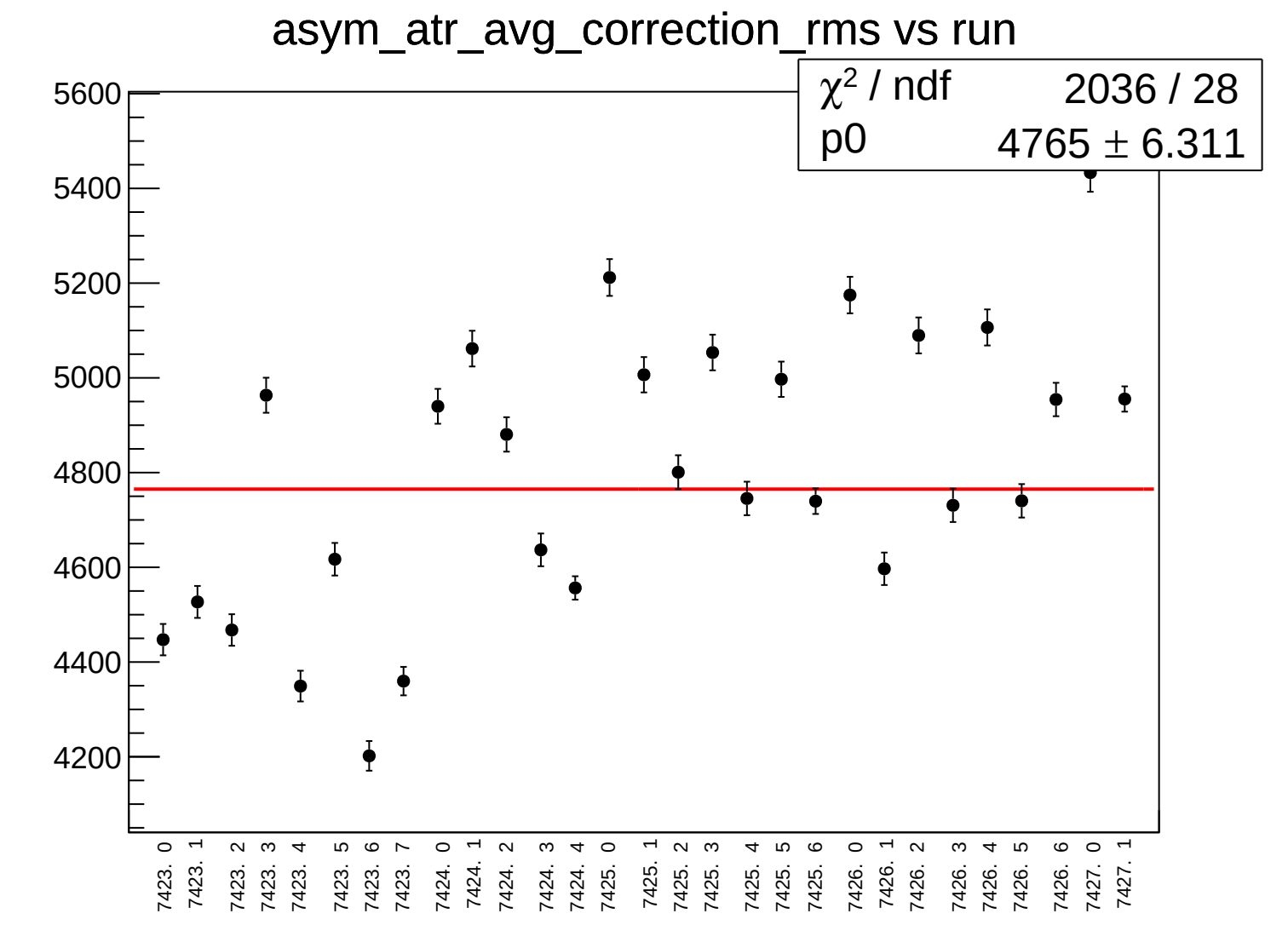

asym_atl_dd_rms vs run
χ² / ndf 4051 / 28
p0 4042 ± 5.363
6500
6000
5500
5000
4500
4000
3500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

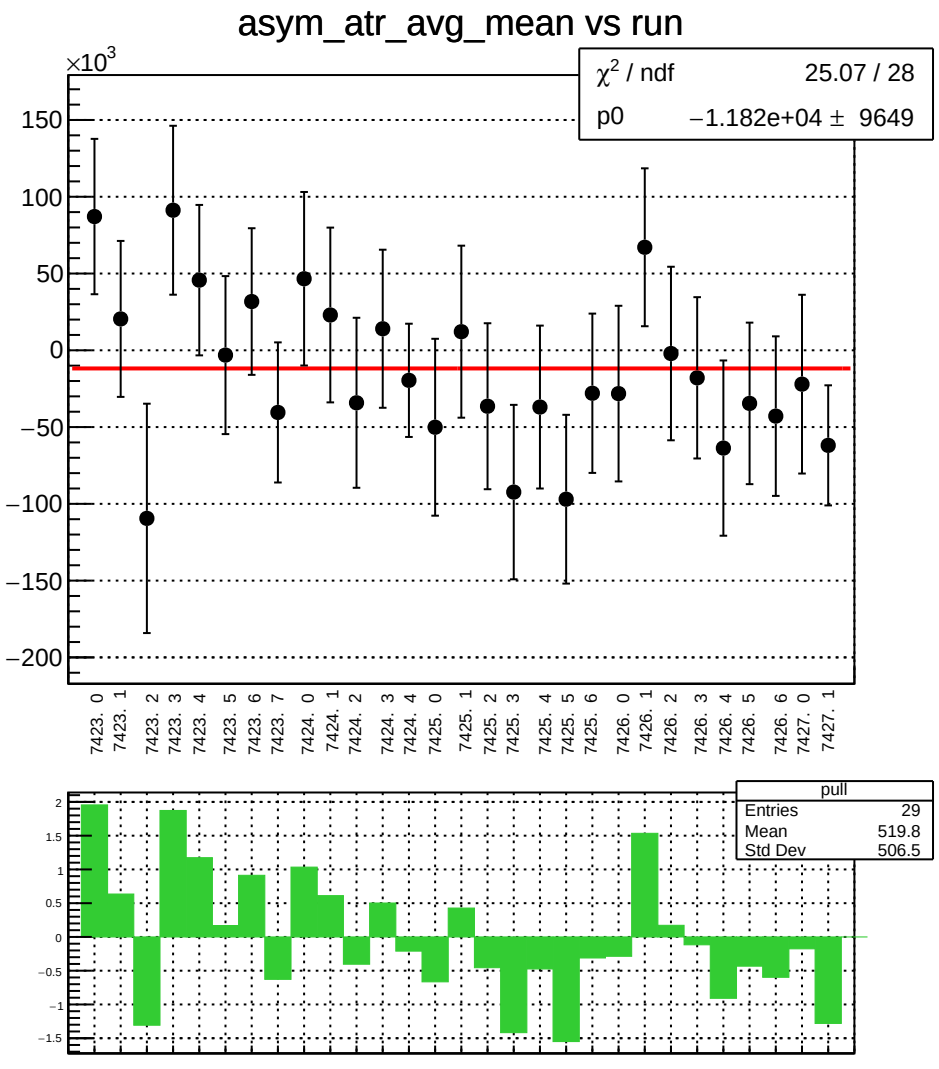

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 20.79 / 28
p0 −5568 ± 3758
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 21.69
Std Dev 17.03
1
0.5
0
−0.5
−1
−1.5

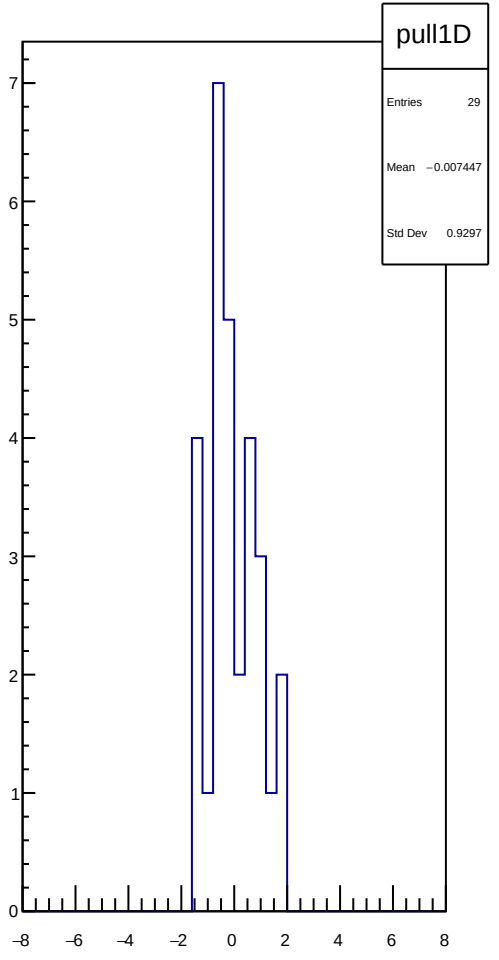

pull1D
Entries 29
Mean −0.03503
Std Dev 0.846
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

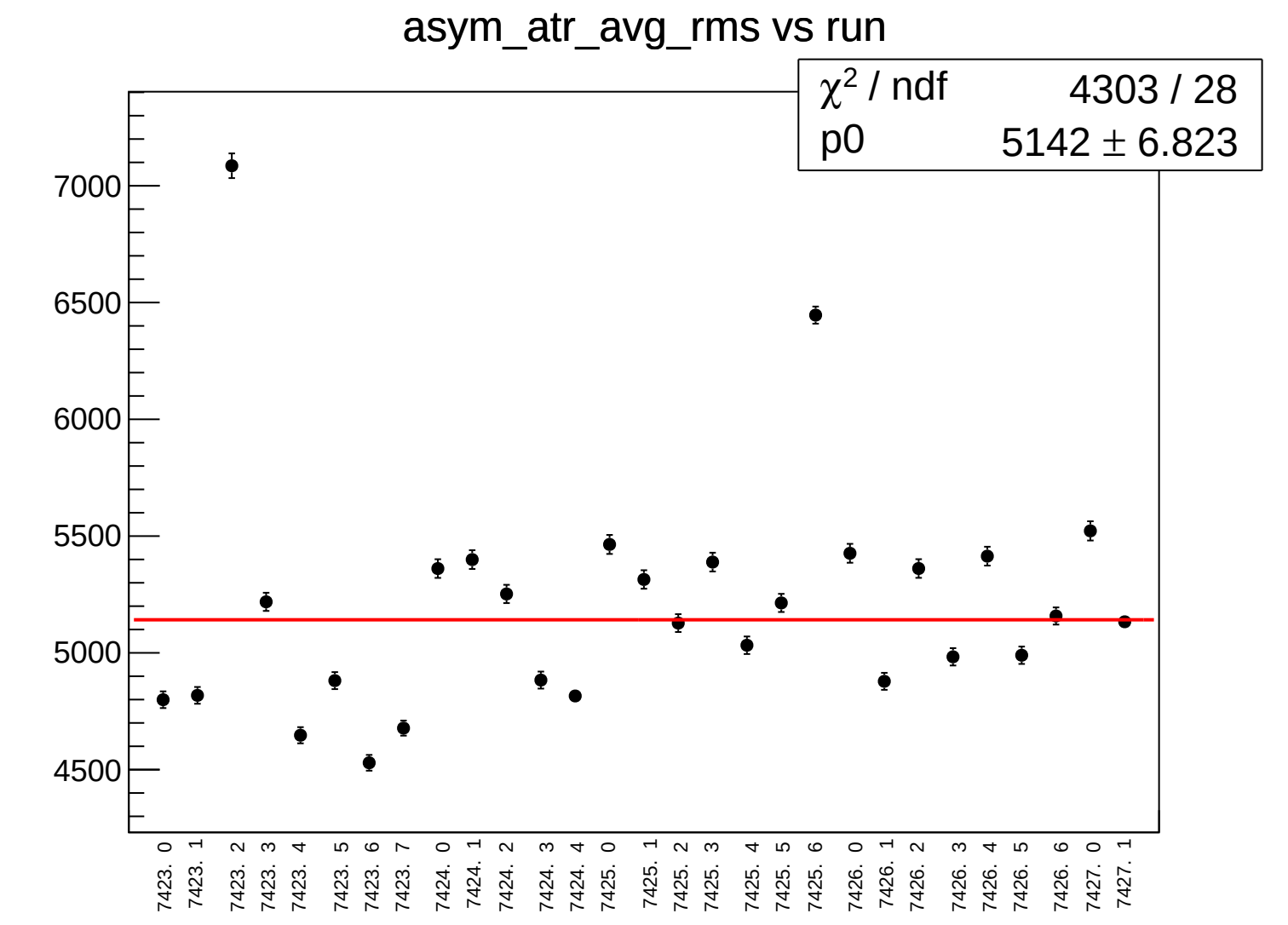

dit_asym_atr_avg_rms vs run
χ² / ndf 1.743e+04 / 28
p0 1979 ± 2.657
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

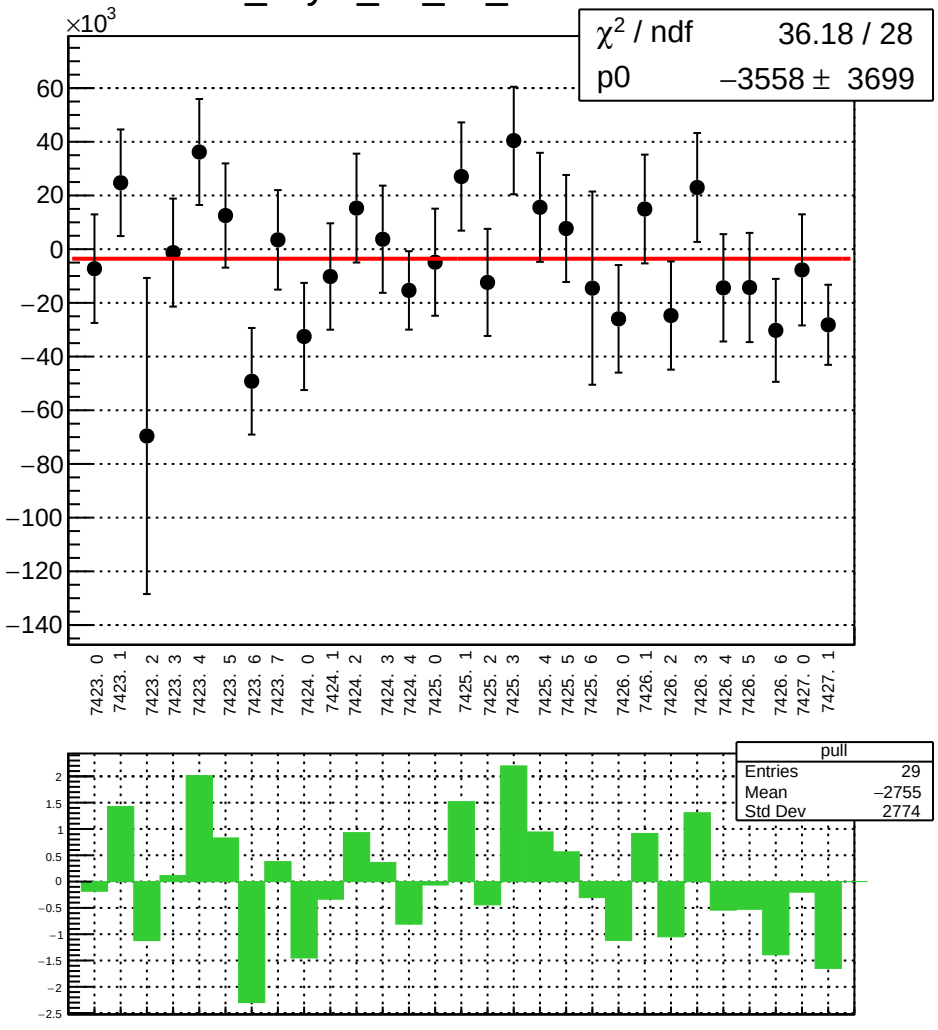

asym_atr_avg_correction_mean vs run
χ² / ndf 22.1 / 28
p0 3795 ± 8925
×10³
100
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 563.3
Std Dev 549.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean 0.007258
Std Dev 0.873
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

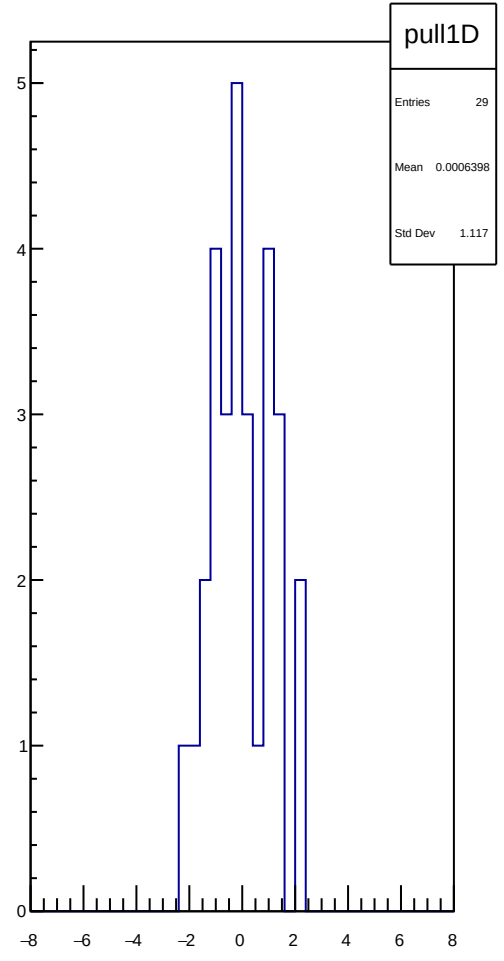

asym_atr_avg_correction_rms vs run
χ² / ndf 2036 / 28
p0 4765 ± 6.311
5600
5400
5200
5000
4800
4600
4400
4200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

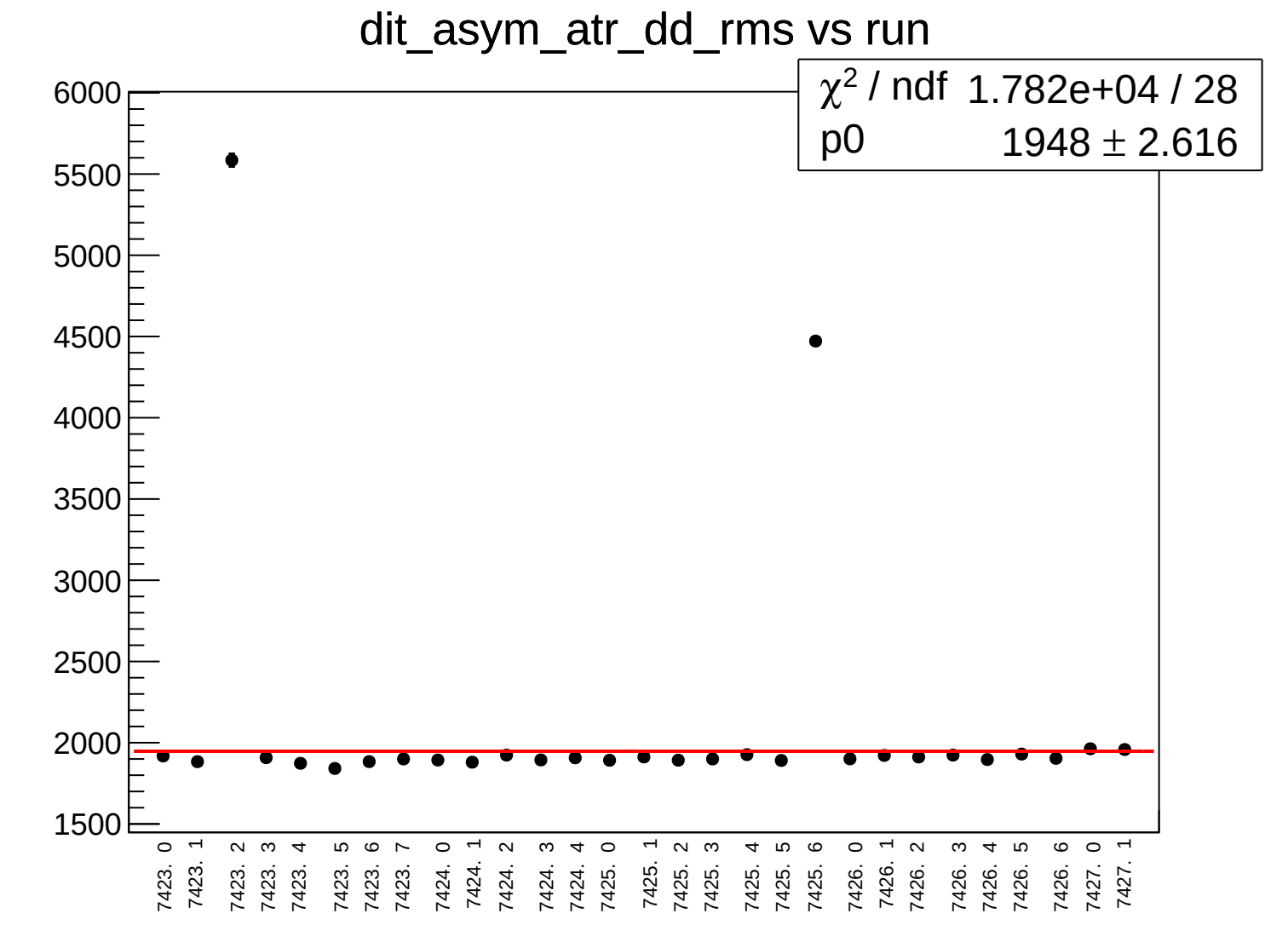

asym_atr_avg_mean vs run
×10^3
χ² / ndf 25.07 / 28
p0 −1.182e+04 ± 9649
150
100
50
0
−50
−100
−150
−200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 519.8
Std Dev 506.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

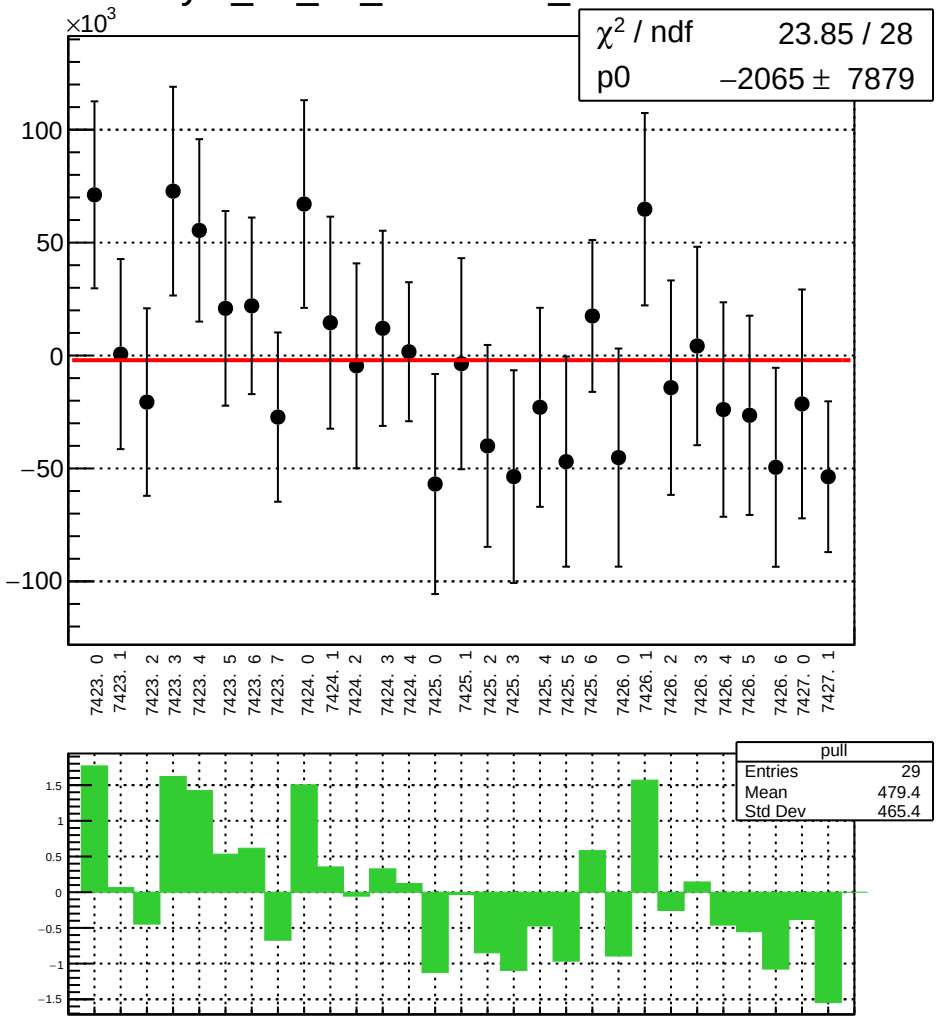

pull1D
Entries 29
Mean −0.007447
Std Dev 0.9297
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

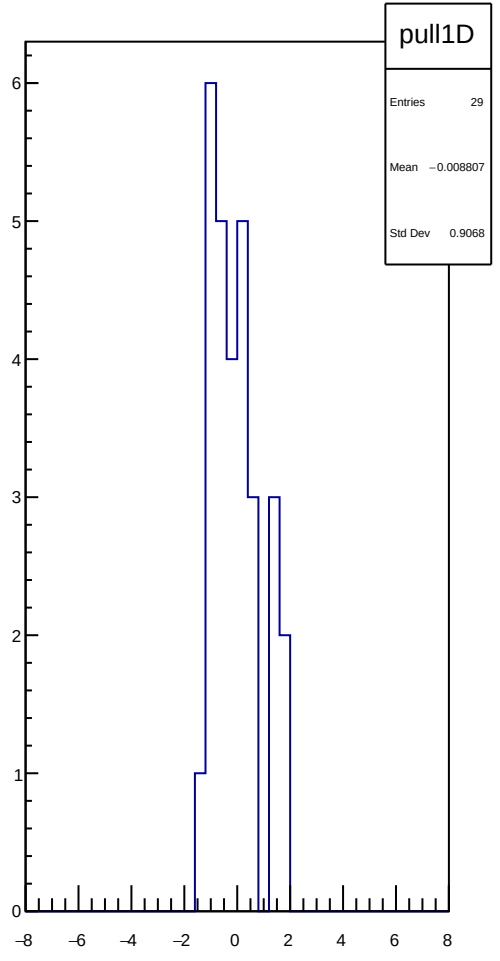

asym_atr_avg_rms vs run
χ² / ndf 4303 / 28
p0 5142 ± 6.823
7000
6500
6000
5500
5000
4500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

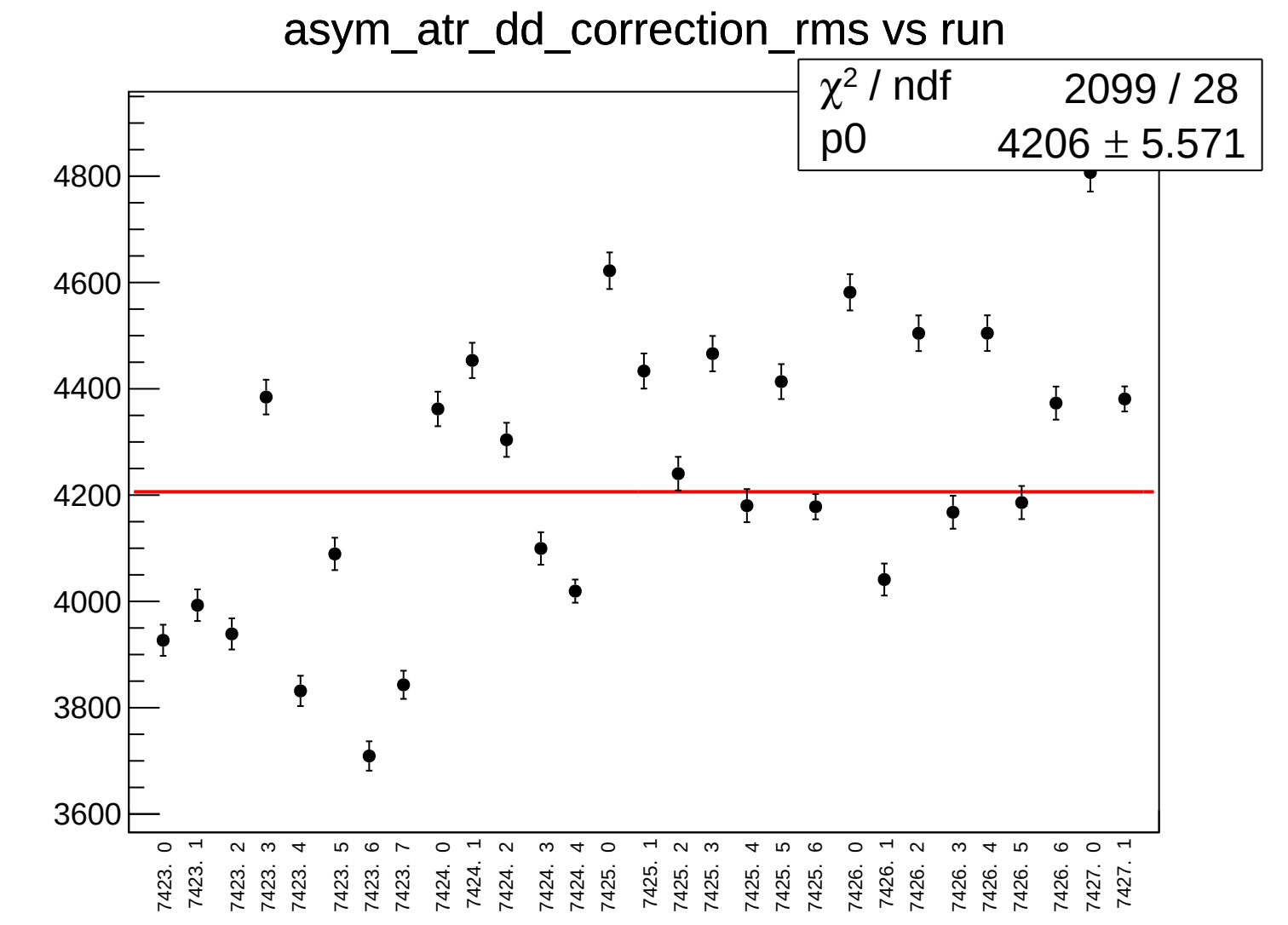

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 36.18 / 28
p0 −3558 ± 3699
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −2755
Std Dev 2774
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

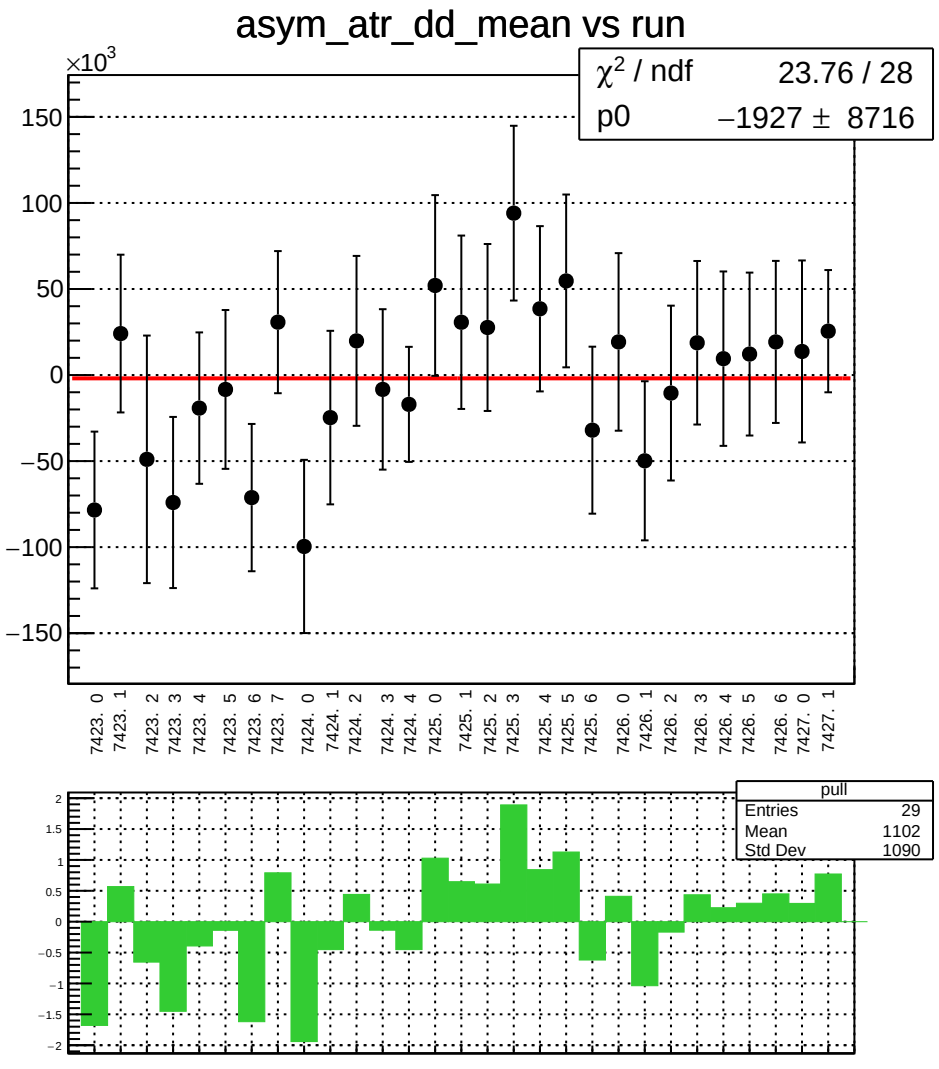

pull1D
Entries 29
Mean 0.0006398
Std Dev 1.117
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

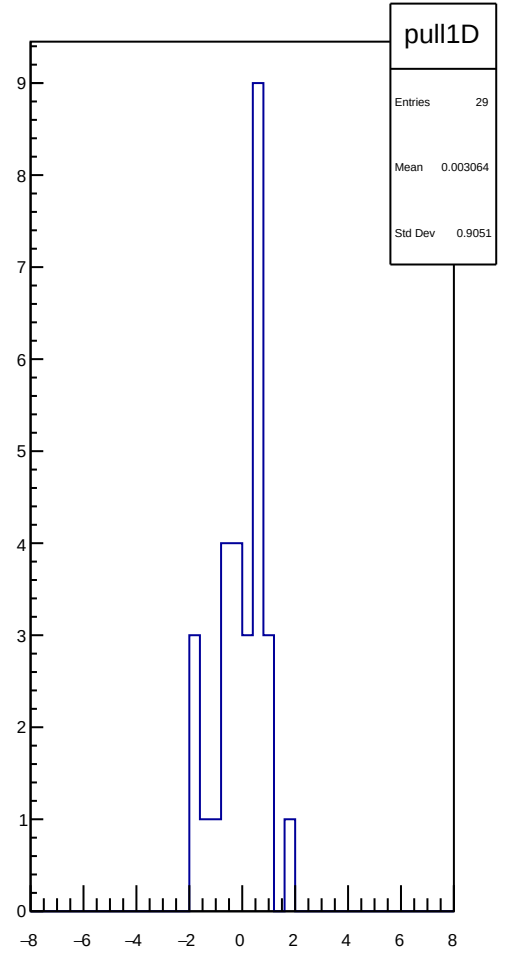

dit_asym_atr_dd_rms vs run
χ² / ndf 1.782e+04 / 28
p0 1948 ± 2.616
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

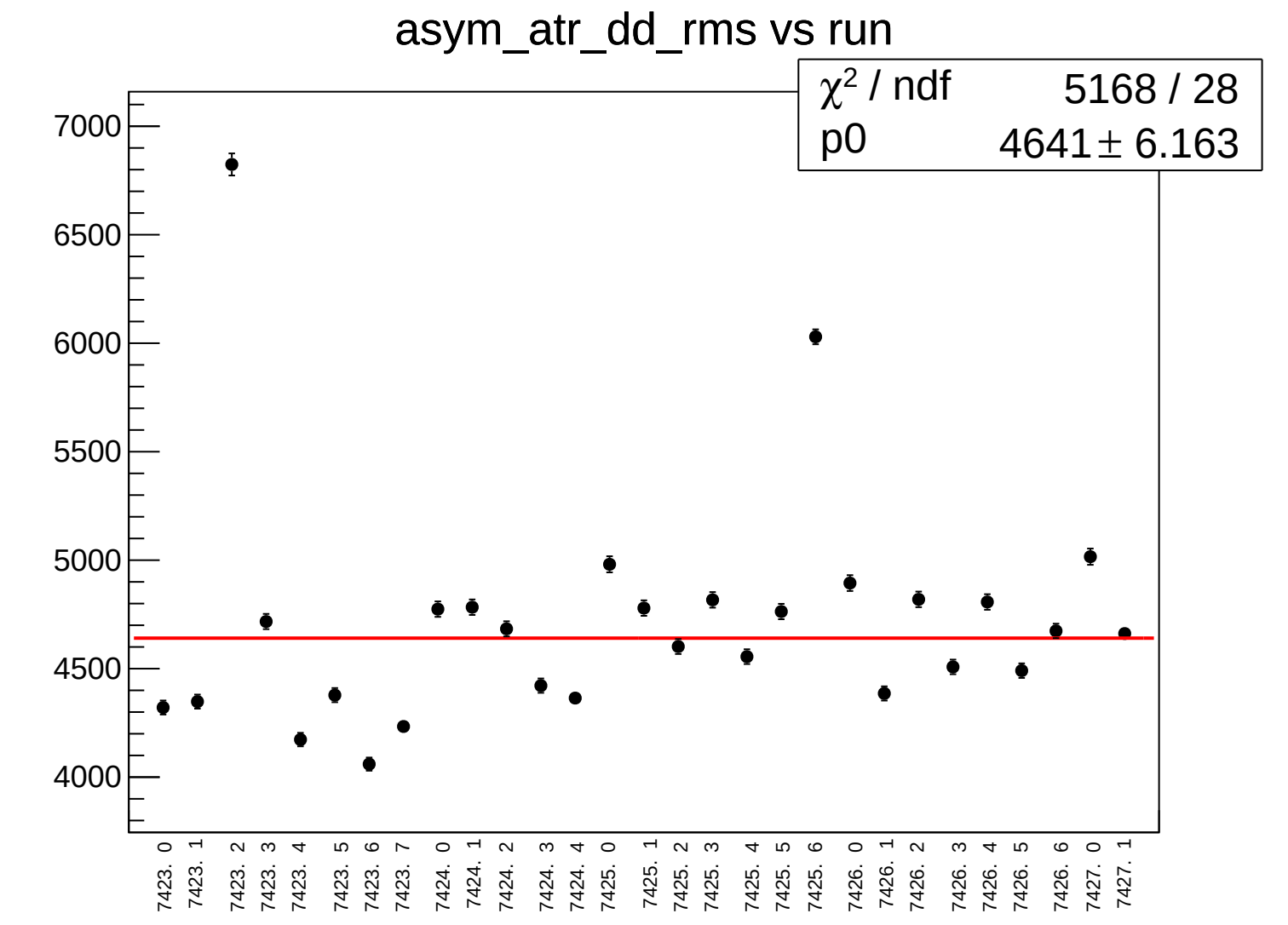

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 23.85 / 28
p0 −2065 ± 7879
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 479.4
Std Dev 465.4
1.5
1
0.5
0
−0.5
−1
−1.5

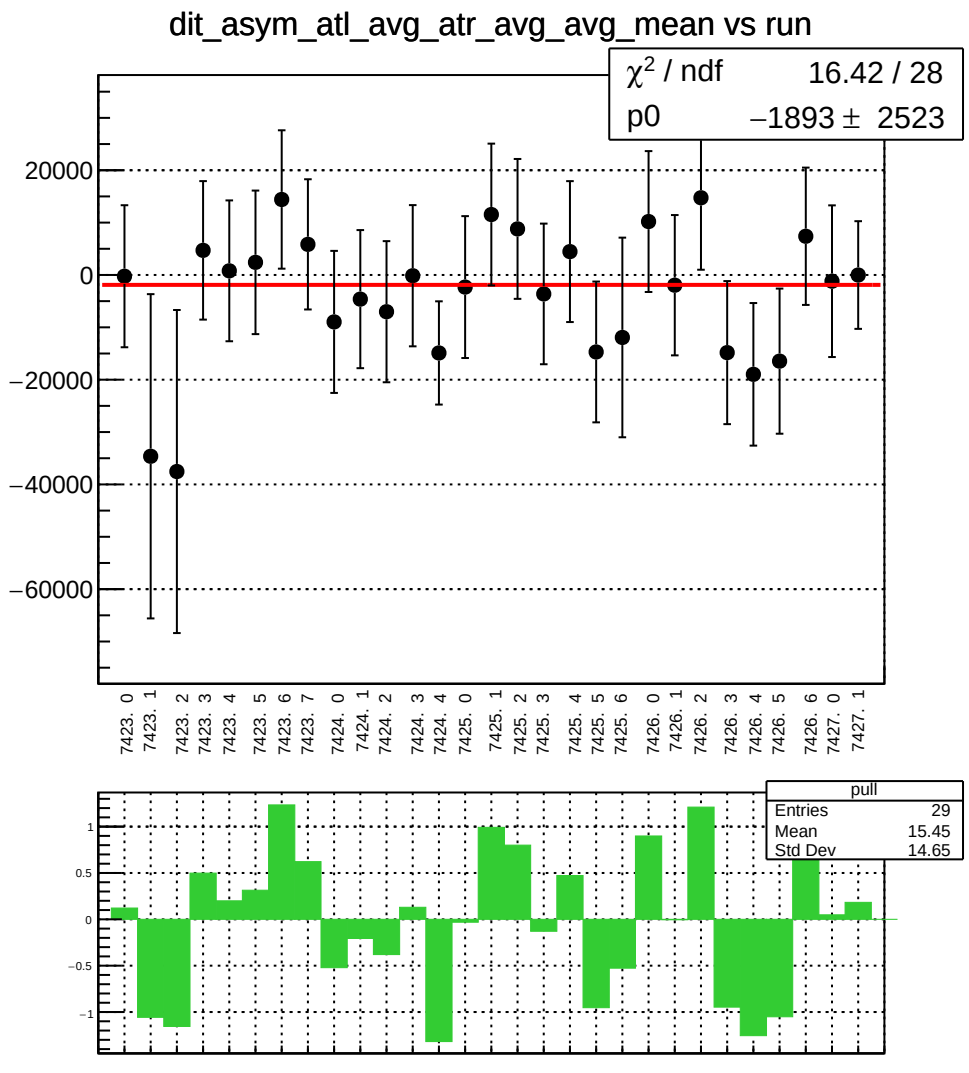

pull1D
Entries 29
Mean −0.008807
Std Dev 0.9068
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

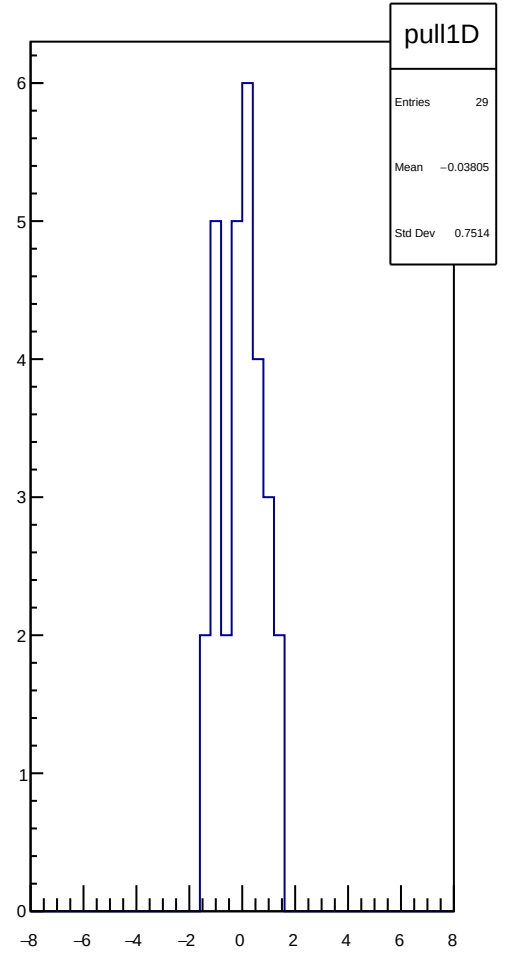

asym_atr_dd_correction_rms vs run
χ² / ndf 2099 / 28
p0 4206 ± 5.571
4800
4600
4400
4200
4000
3800
3600
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

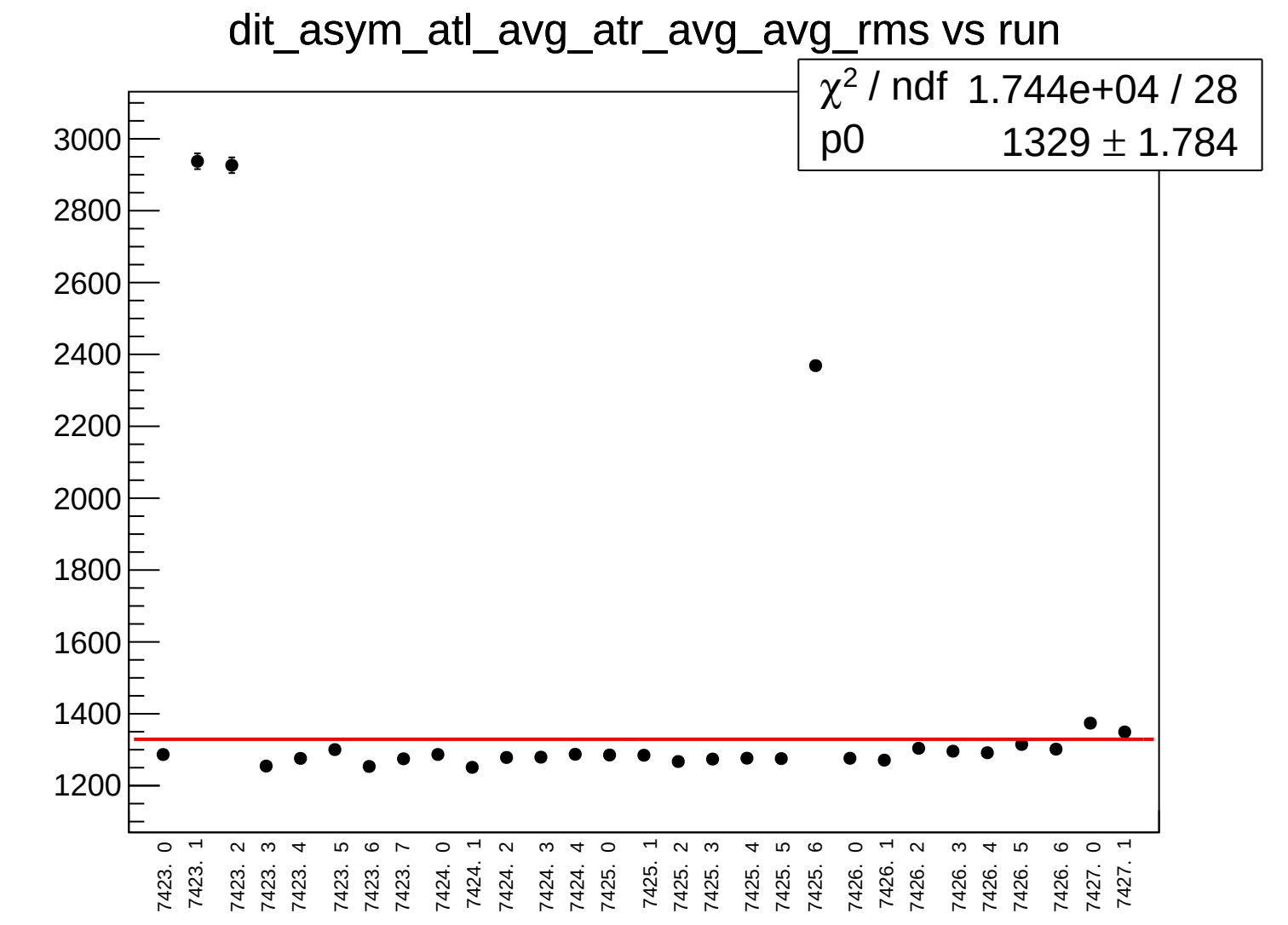

asym_atr_dd_mean vs run
×10^3
χ² / ndf 23.76 / 28
p0 −1927 ± 8716
150
100
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 1102
Std Dev 1090
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

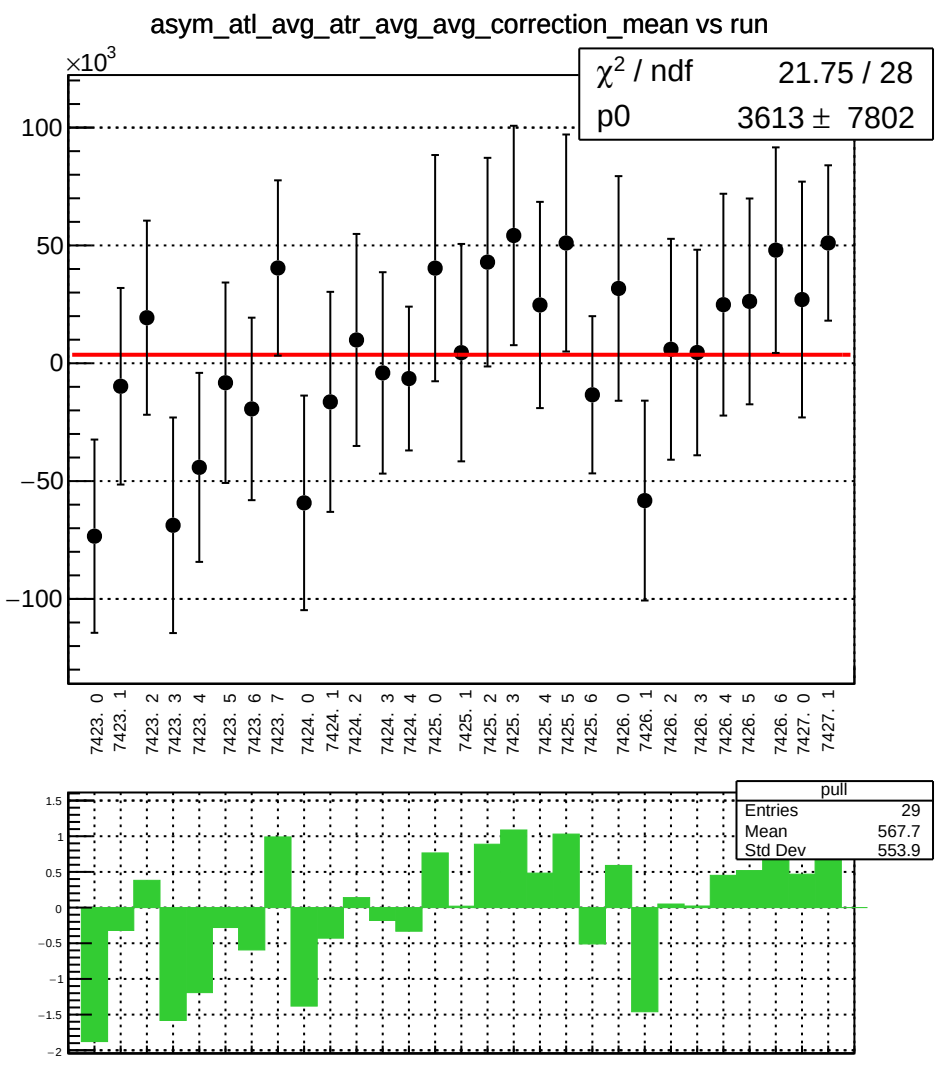

pull1D
Entries 29
Mean 0.003064
Std Dev 0.9051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

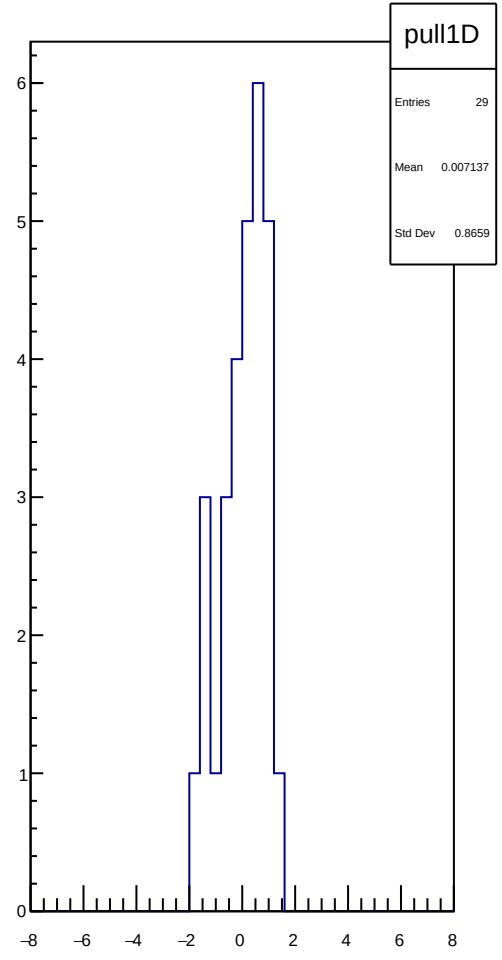

asym_atr_dd_rms vs run
χ² / ndf 5168 / 28
p0 4641 ± 6.163
7000
6500
6000
5500
5000
4500
4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

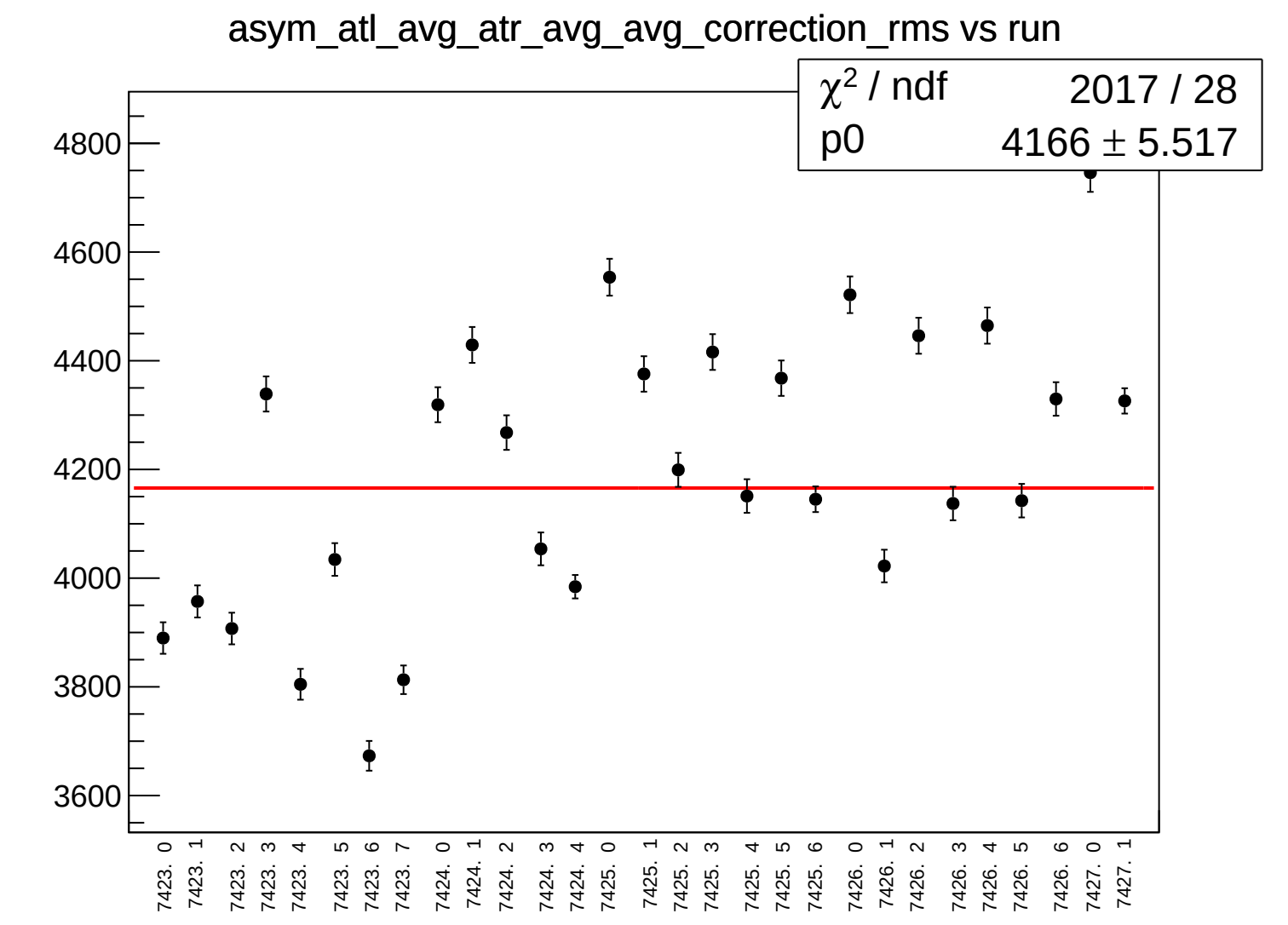

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 16.42 / 28
p0 −1893 ± 2523
20000
0
−20000
−40000
−60000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 15.45
Std Dev 14.65
1
0.5
0
−0.5
−1

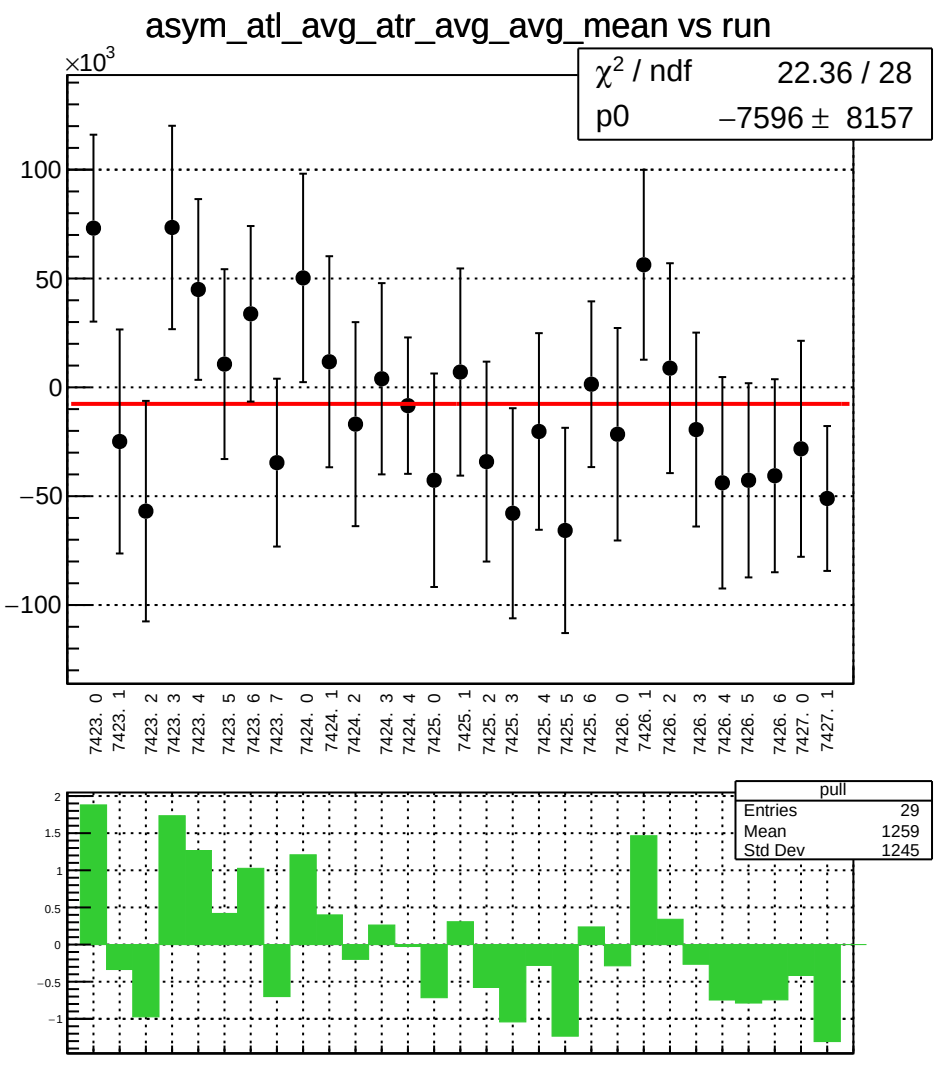

pull1D
Entries 29
Mean −0.03805
Std Dev 0.7514
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

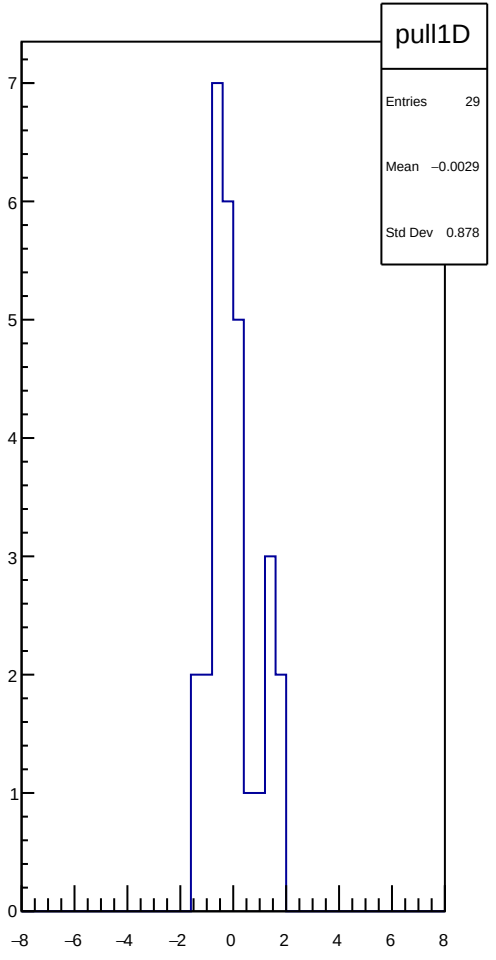

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.744e+04 / 28
p0 1329 ± 1.784
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

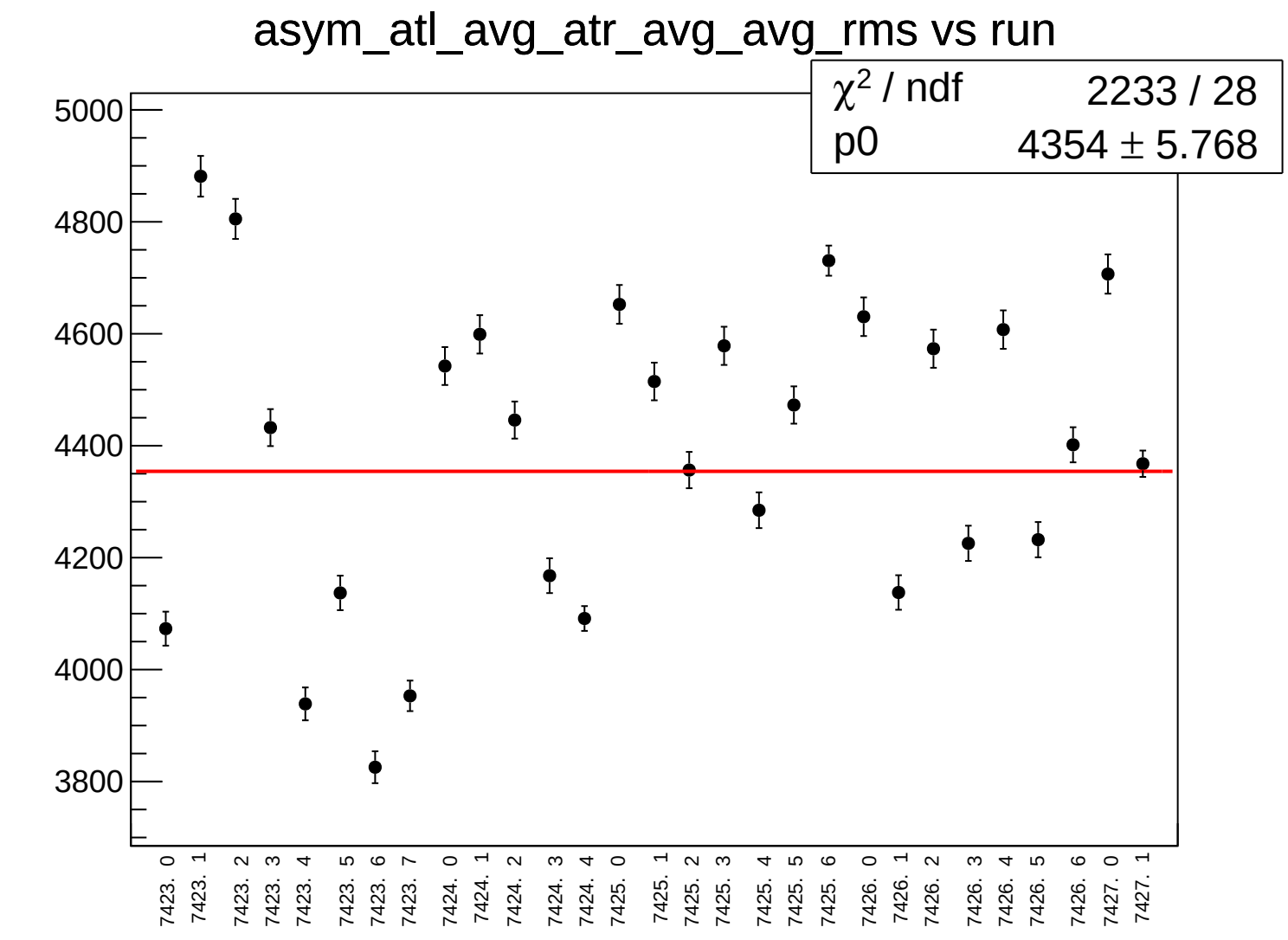

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 21.75 / 28
p0 3613 ± 7802
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 567.7
Std Dev 553.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

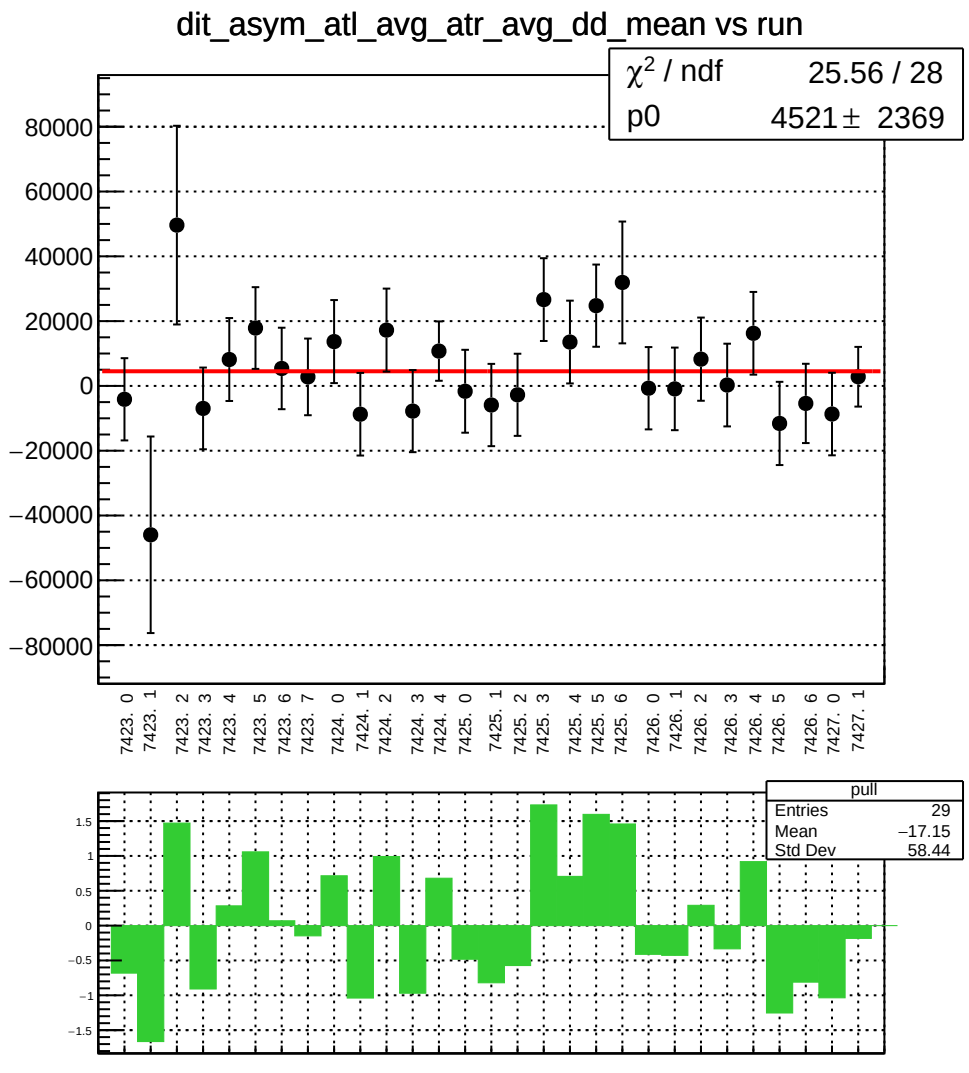

pull1D
Entries 29
Mean 0.007137
Std Dev 0.8659
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

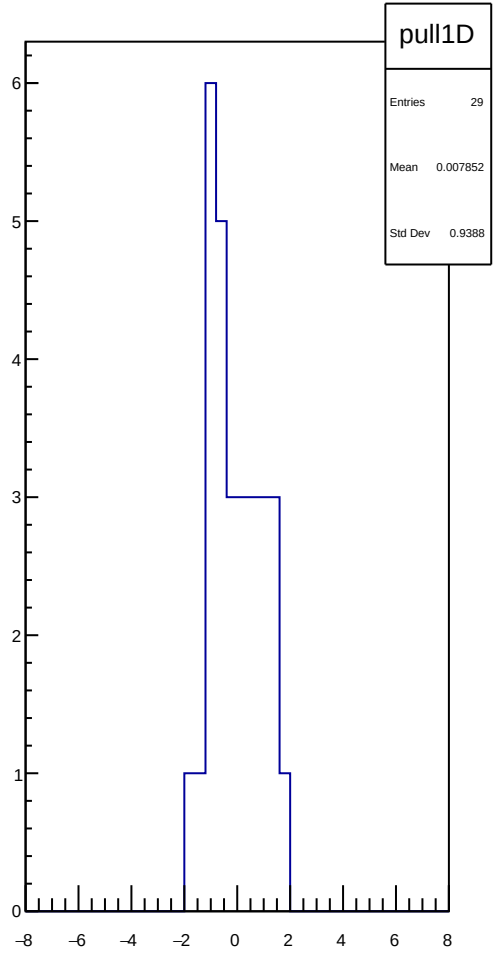

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2017 / 28
p0 4166 ± 5.517
4800
4600
4400
4200
4000
3800
3600
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

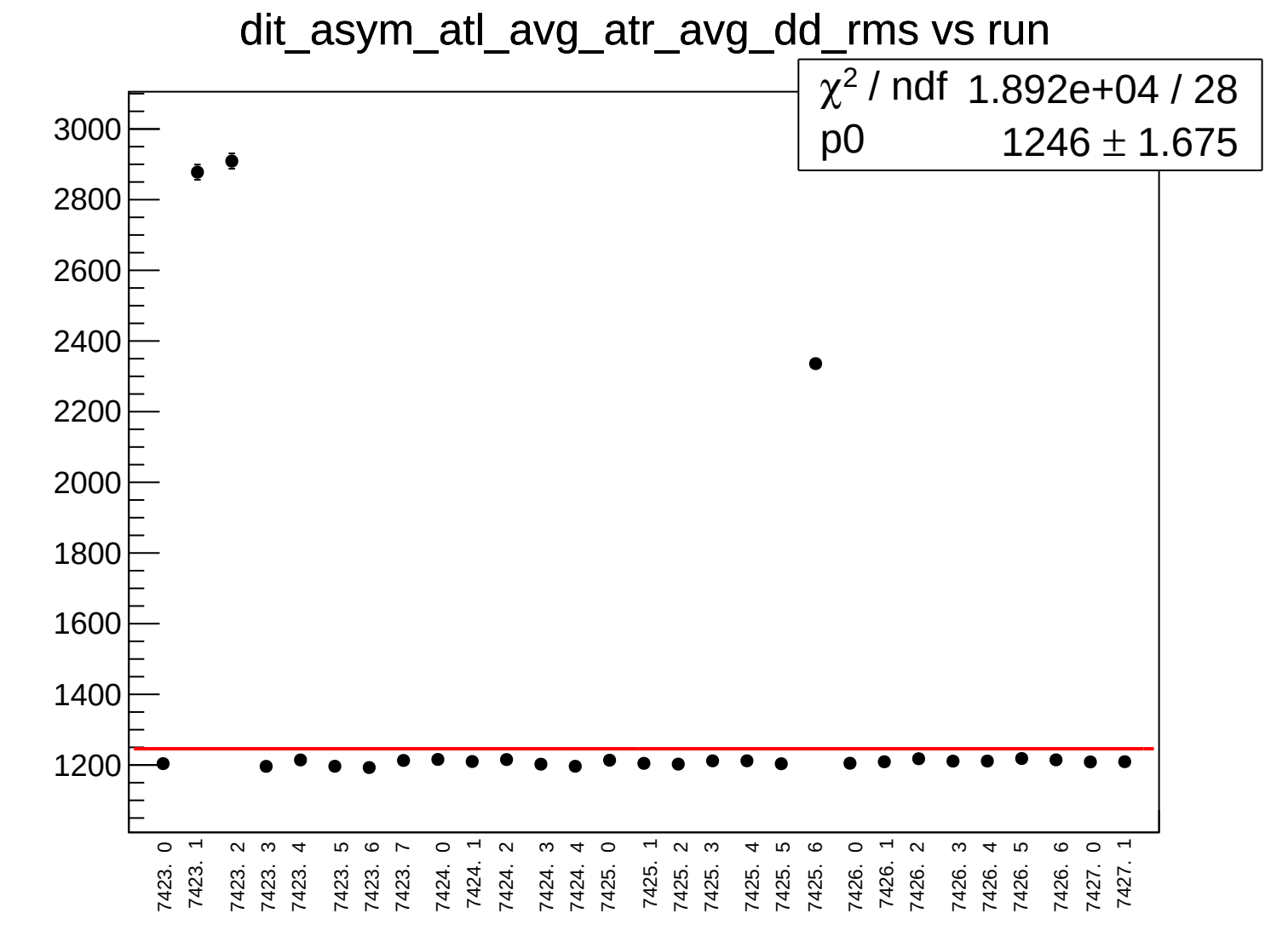

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 22.36 / 28
p0 −7596 ± 8157
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 1259
Std Dev 1245
2
1.5
1
0.5
0
−0.5
−1

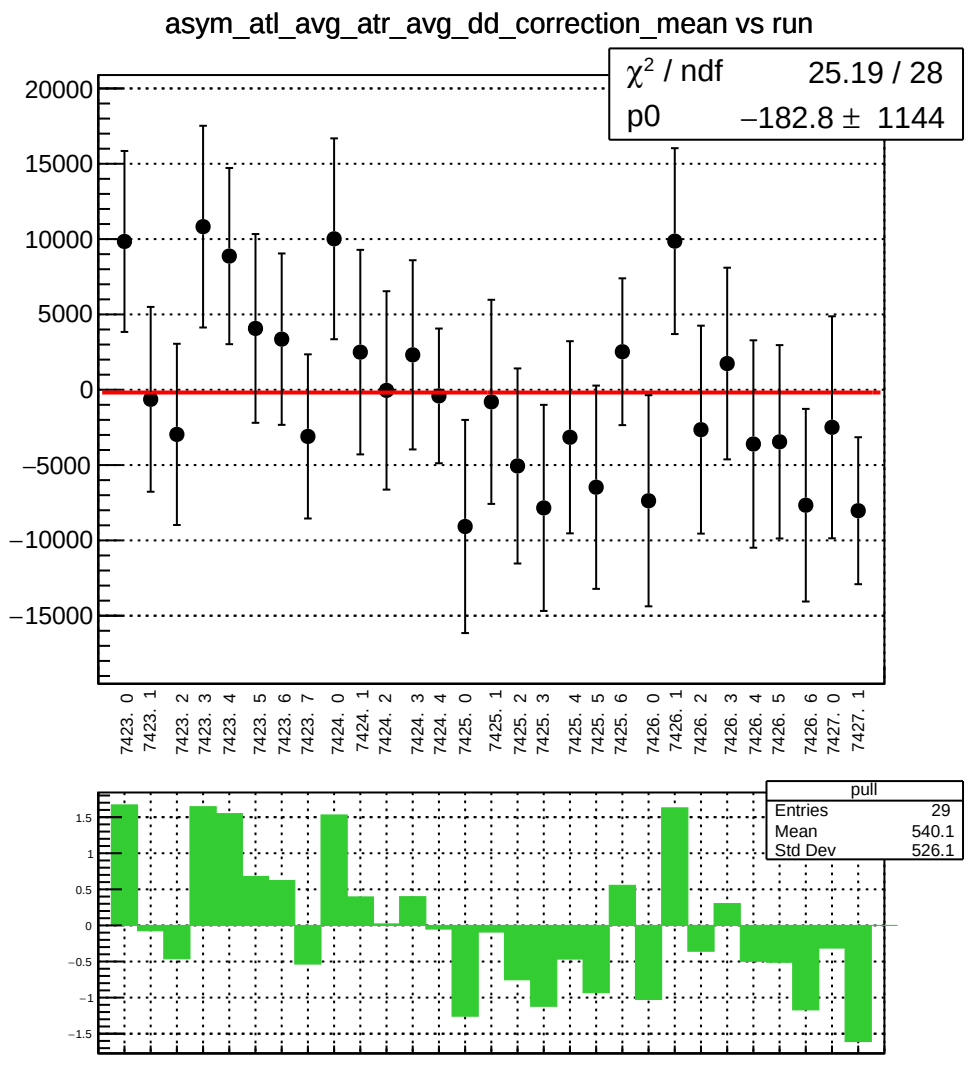

pull1D
Entries 29
Mean −0.0029
Std Dev 0.878
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

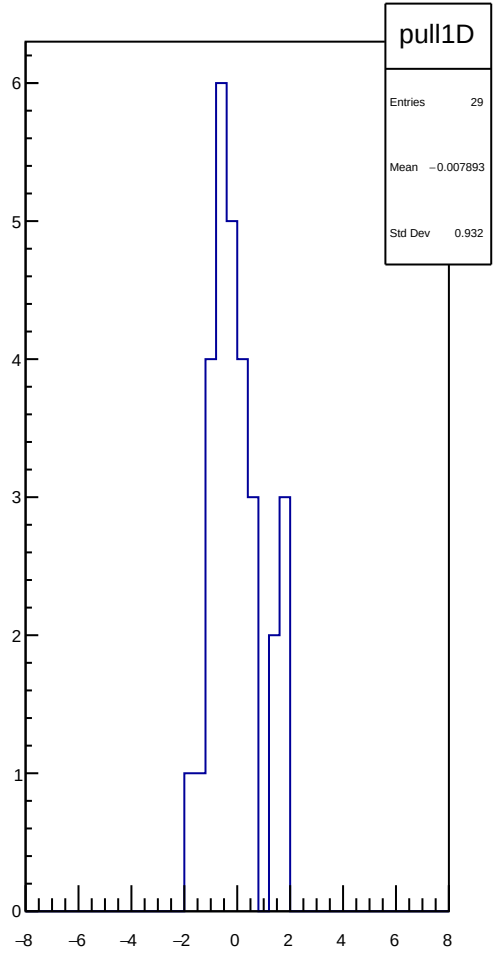

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 2233 / 28
p0 4354 ± 5.768
5000
4800
4600
4400
4200
4000
3800
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

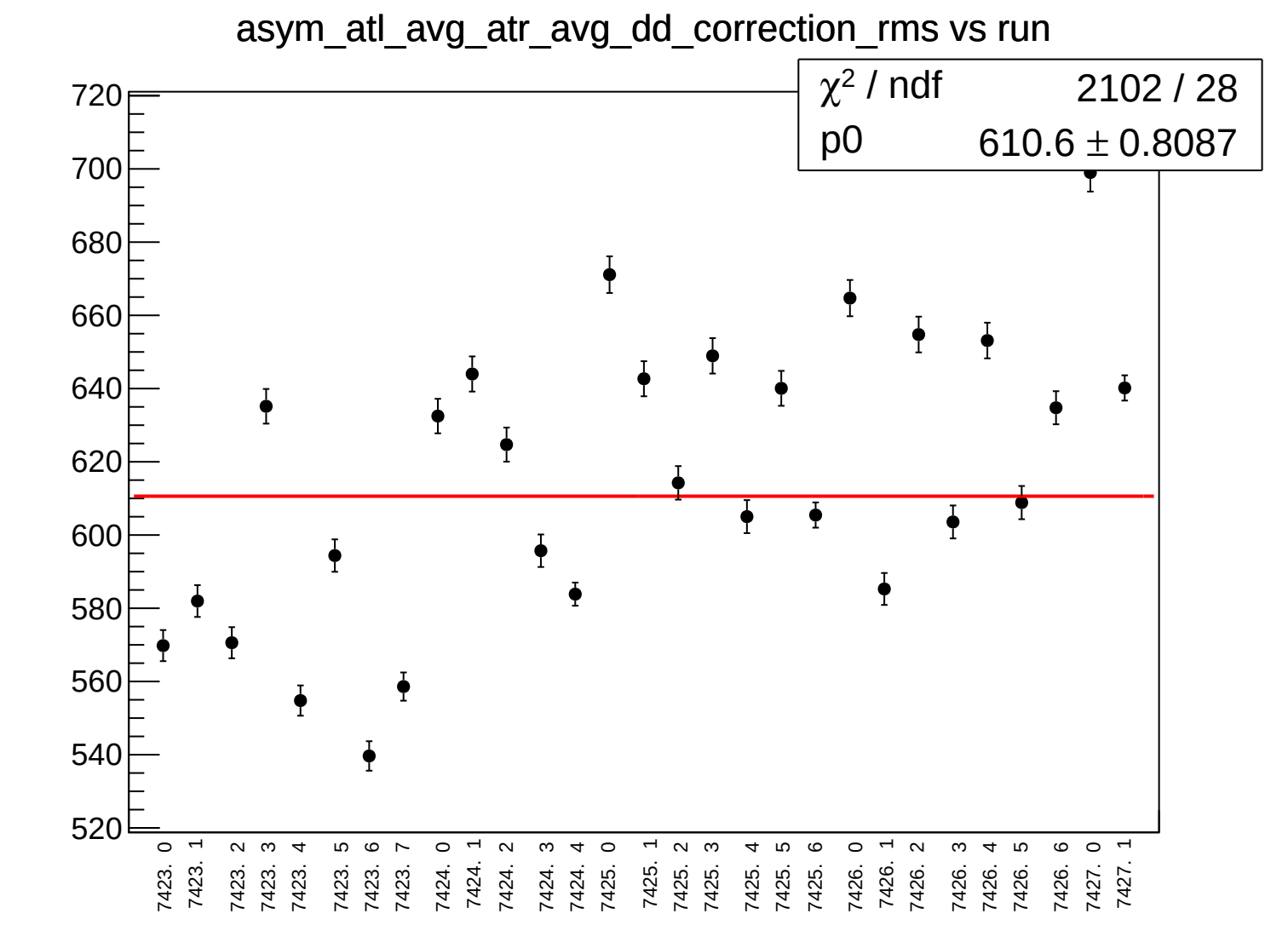

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 25.56 / 28
p0 4521 ± 2369
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −17.15
Std Dev 58.44
1.5
1
0.5
0
−0.5
−1
−1.5

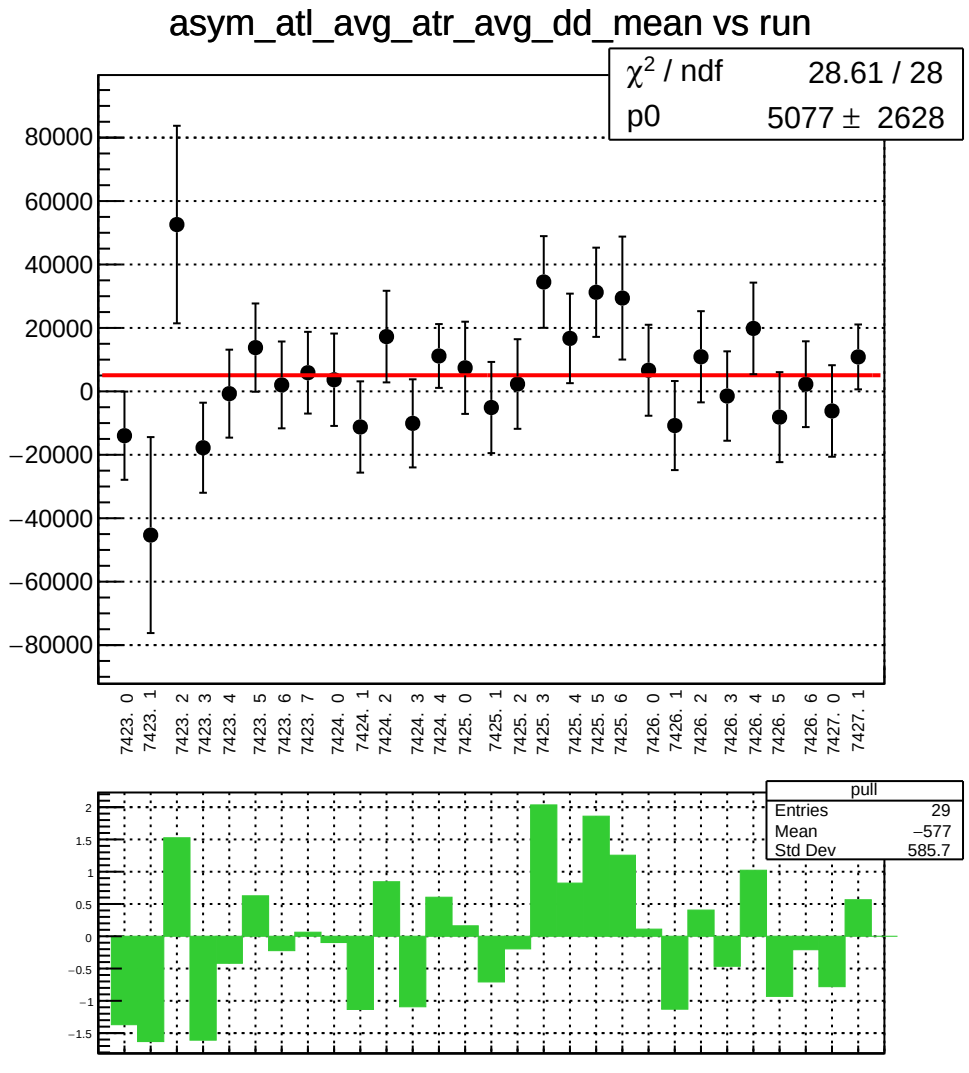

pull1D
Entries 29
Mean 0.007852
Std Dev 0.9388
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

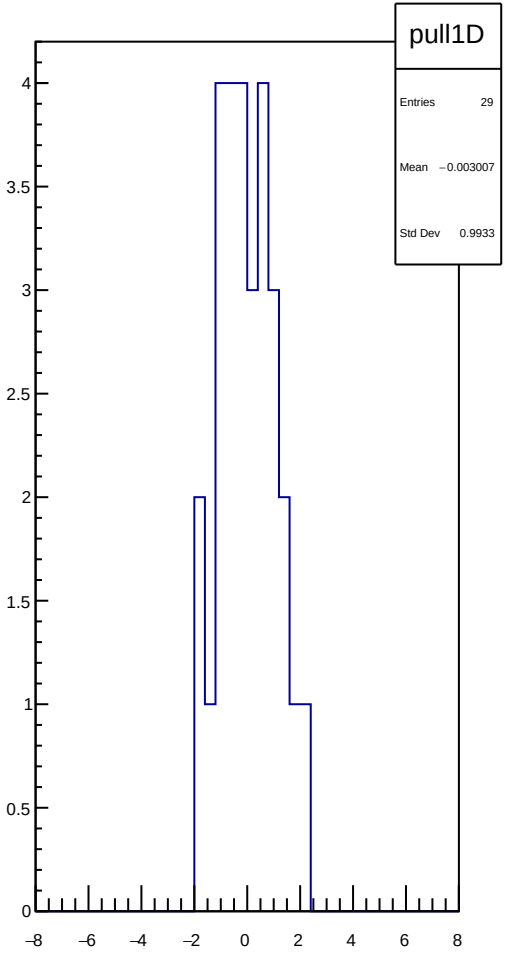

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.892e+04 / 28
p0 1246 ± 1.675
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

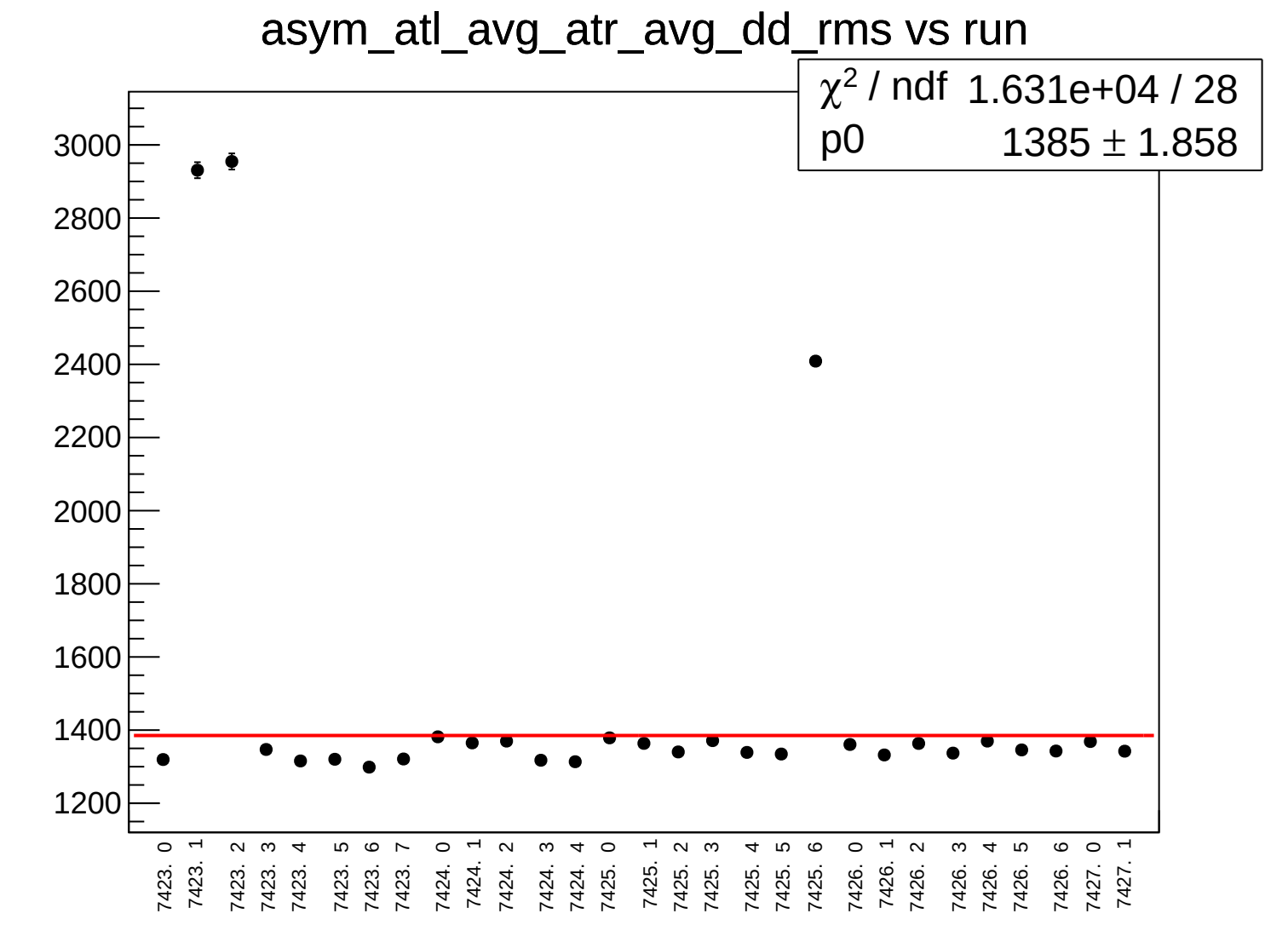

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 25.19 / 28
p0 −182.8 ± 1144
20000
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 540.1
Std Dev 526.1
1.5
1
0.5
0
−0.5
−1
−1.5

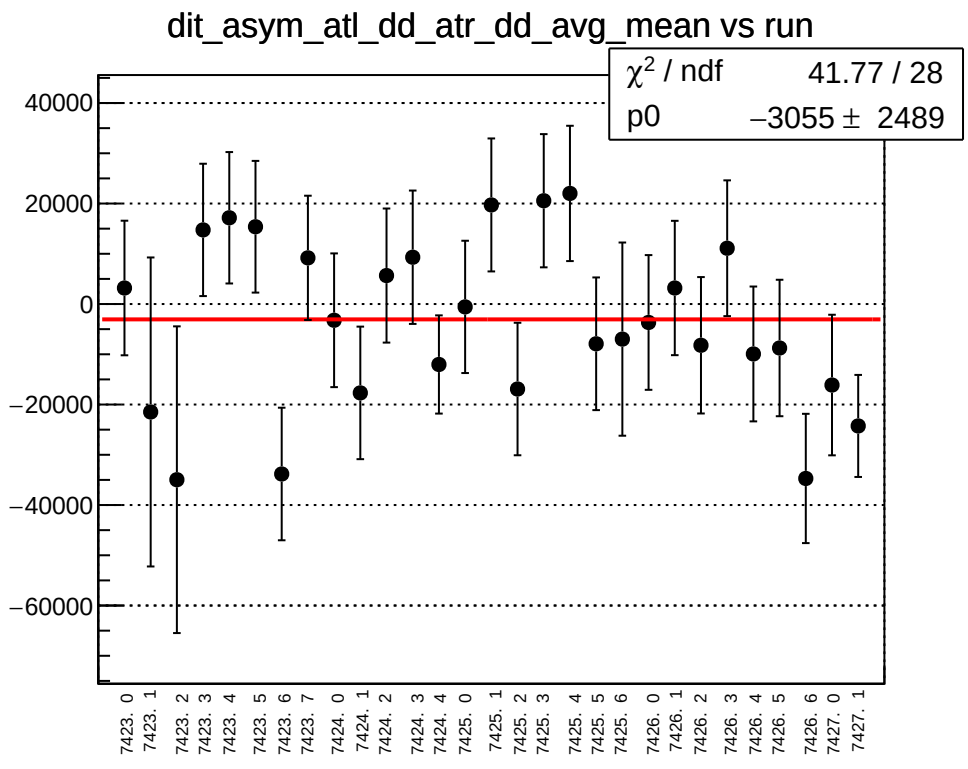

pull1D
Entries 29
Mean −0.007893
Std Dev 0.932
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

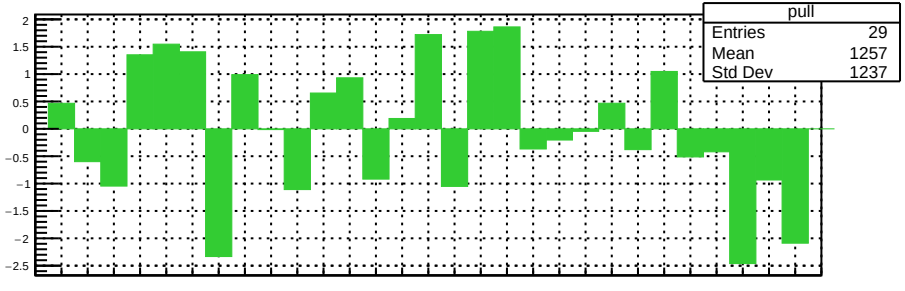

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2102 / 28
p0 610.6 ± 0.8087
720
700
680
660
640
620
600
580
560
540
520
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

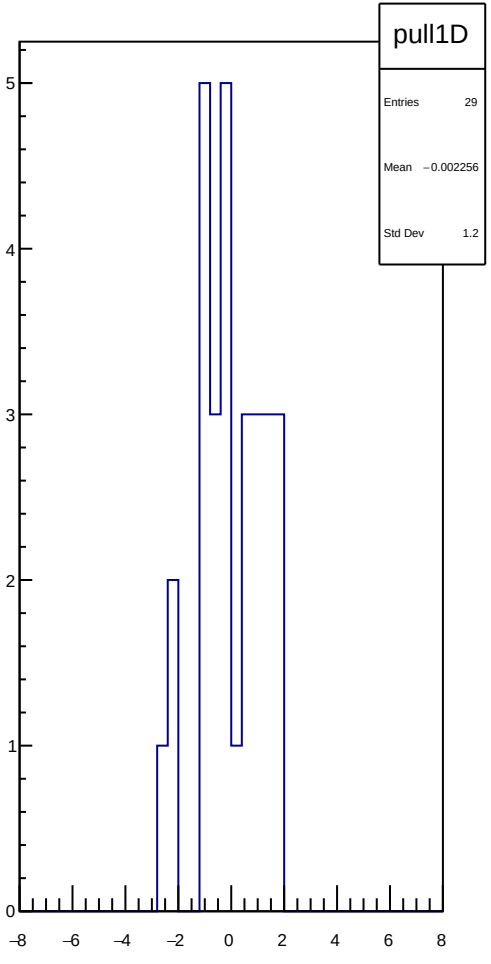

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 28.61 / 28
p0 5077 ± 2628
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −577
Std Dev 585.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

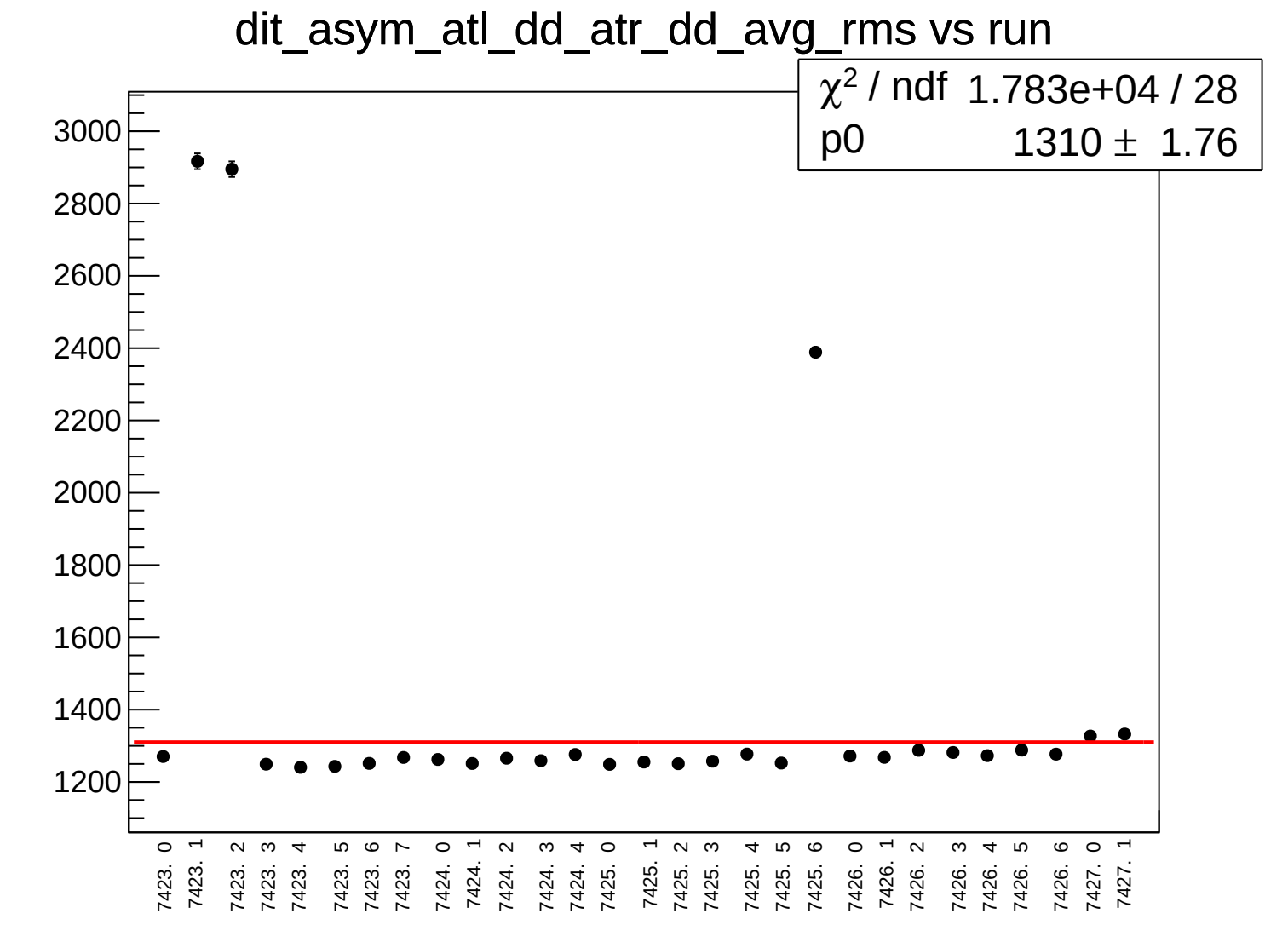

pull1D
Entries 29
Mean −0.003007
Std Dev 0.9933
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

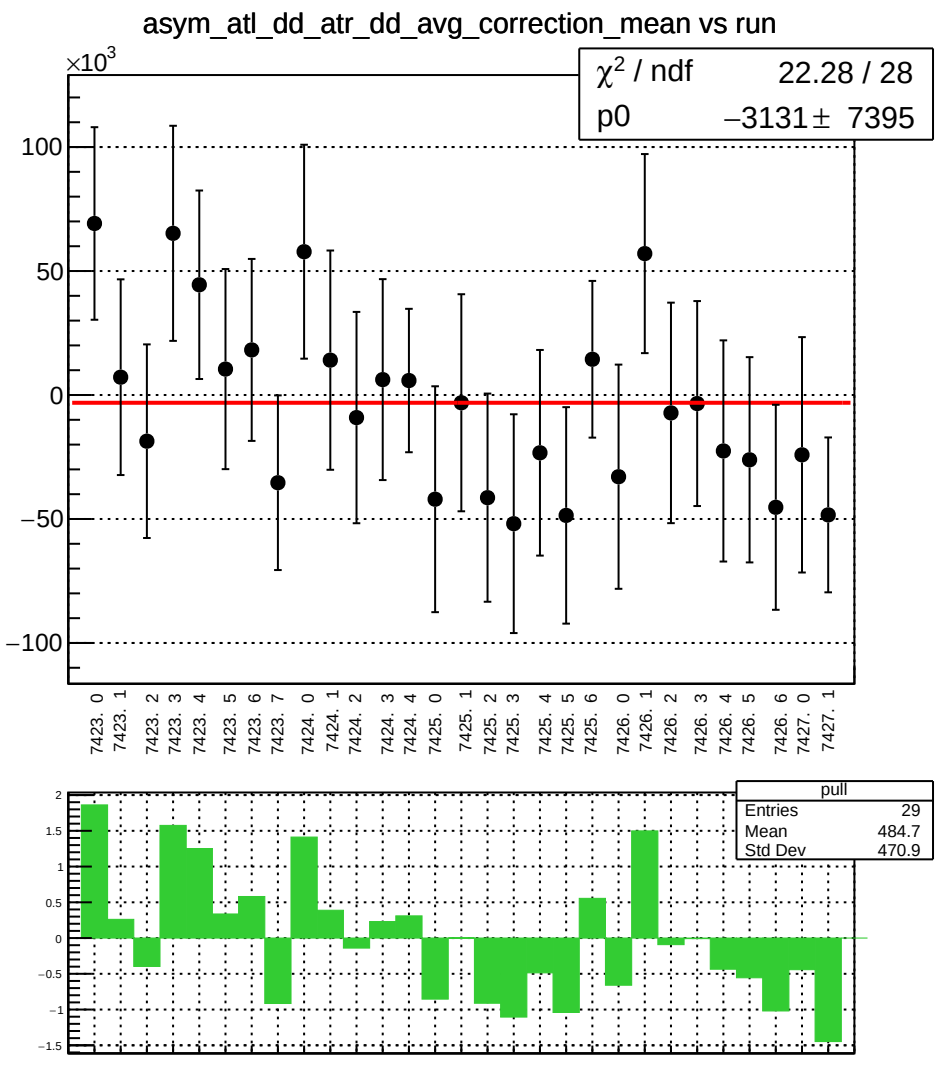

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.631e+04 / 28
p0 1385 ± 1.858
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

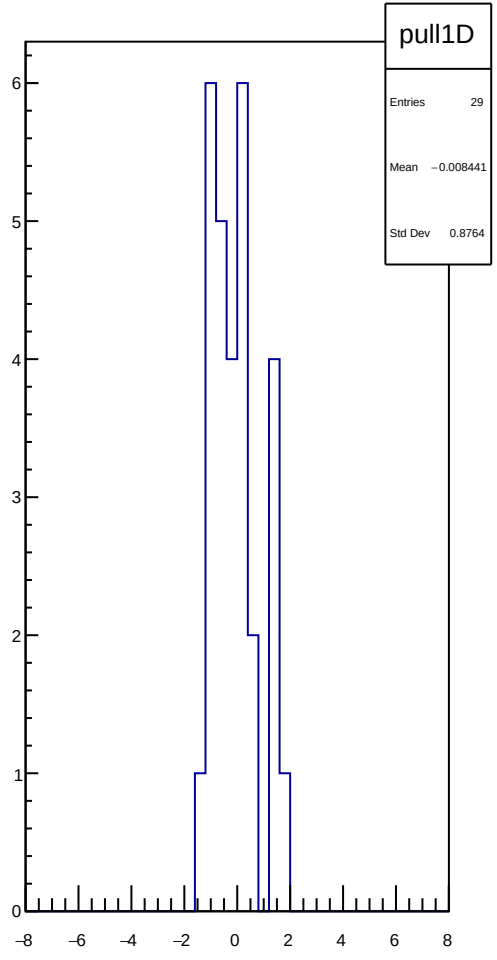

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 41.77 / 28
p0 −3055 ± 2489
40000
20000
0
−20000
−40000
−60000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

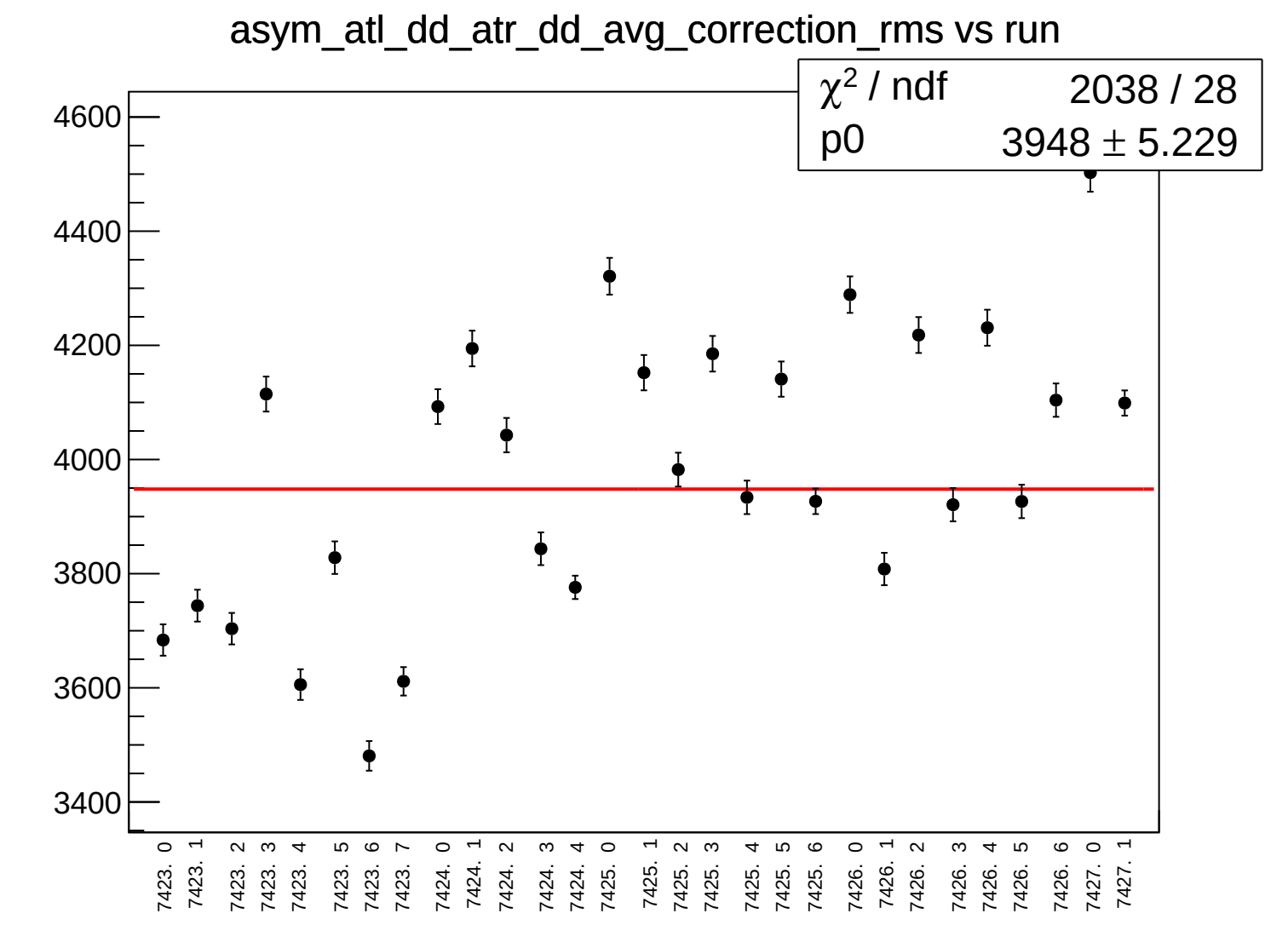

pull
Entries 29
Mean 1257
Std Dev 1237
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

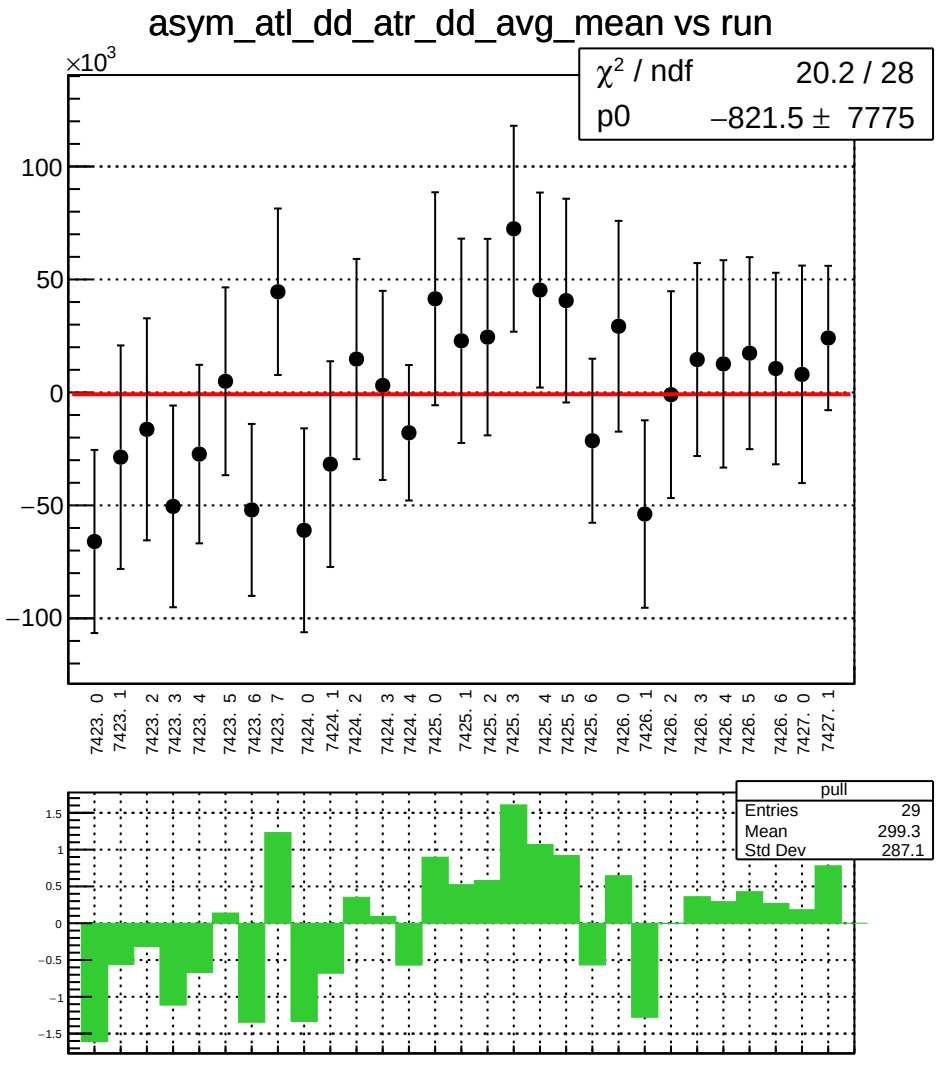

pull1D
Entries 29
Mean −0.002256
Std Dev 1.2
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

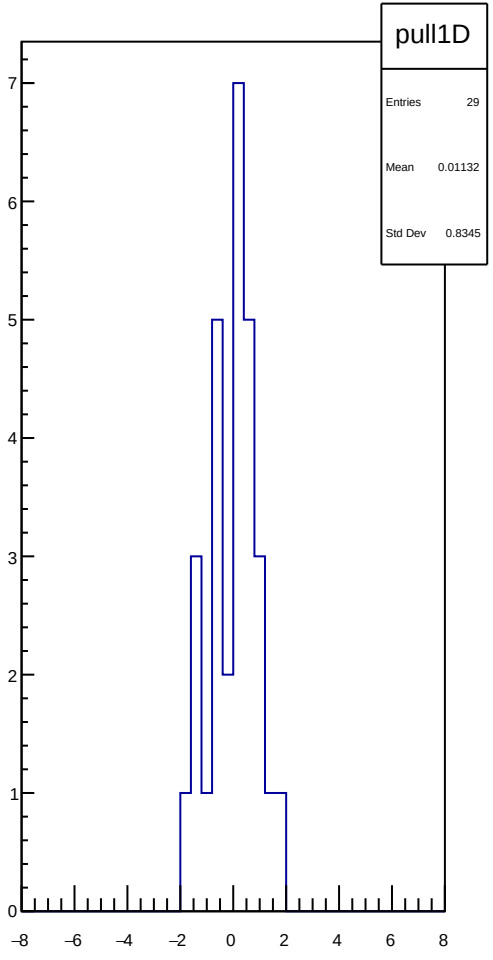

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.783e+04 / 28
p0 1310 ± 1.76
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

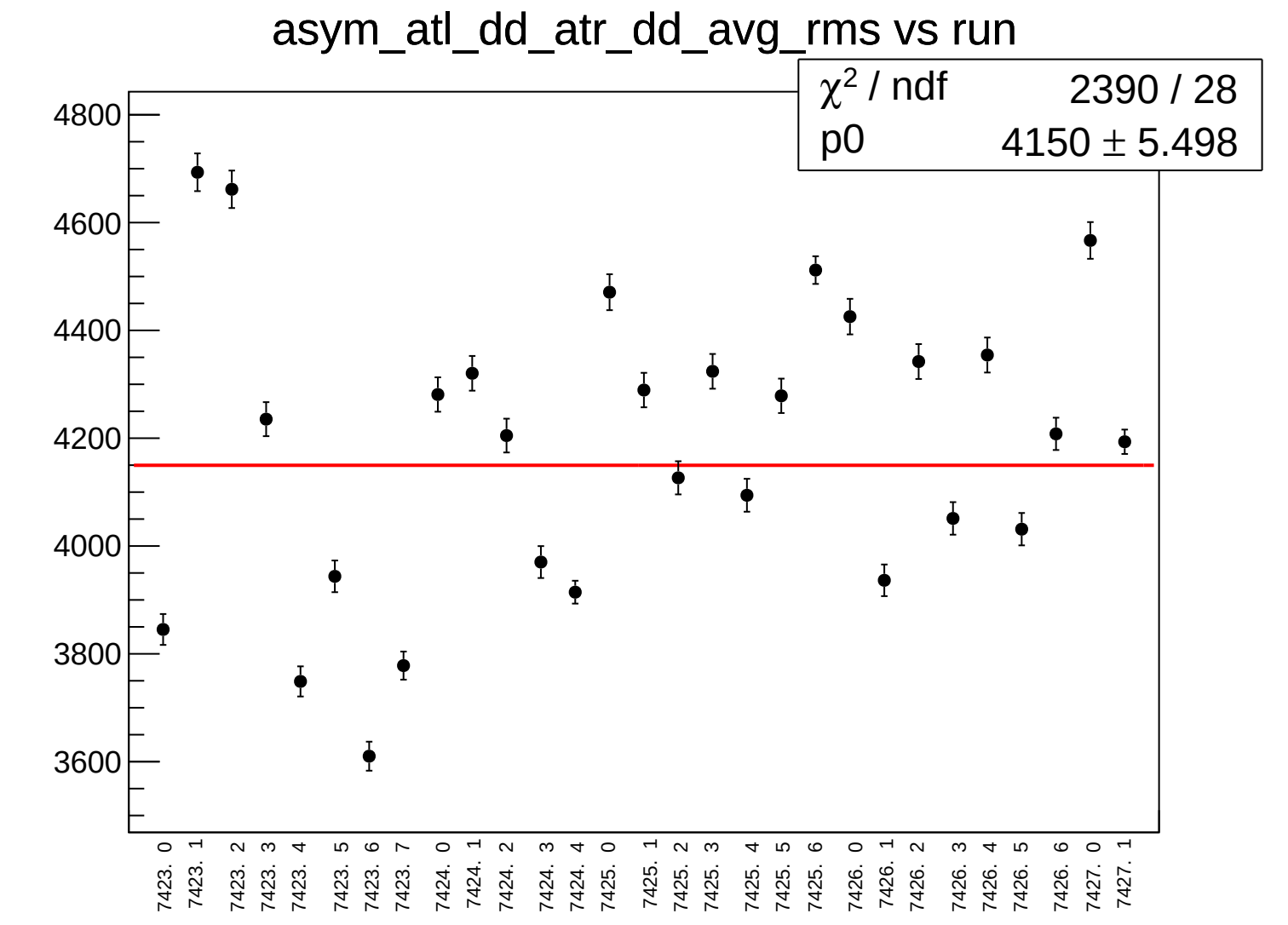

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 22.28 / 28
p0 −3131 ± 7395
×10³
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 484.7
Std Dev 470.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

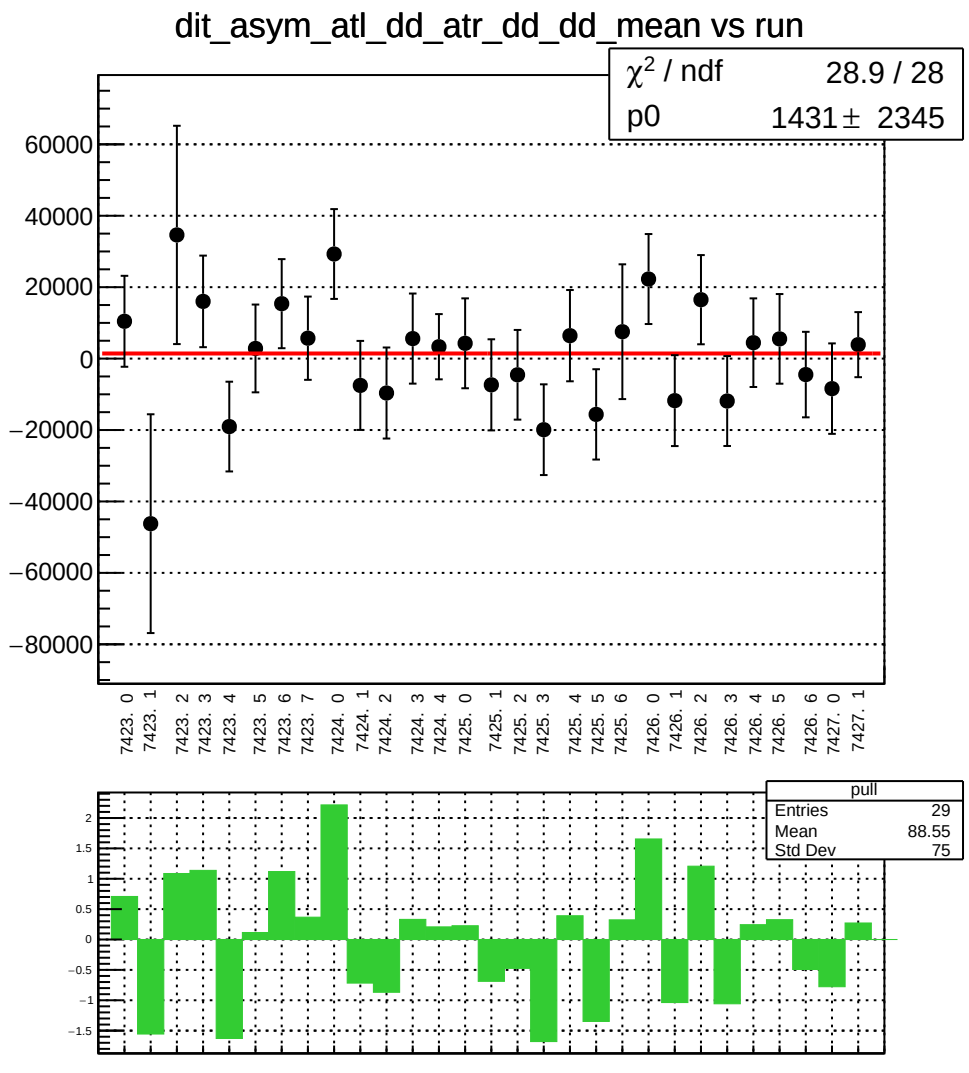

pull1D
Entries 29
Mean −0.008441
Std Dev 0.8764
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

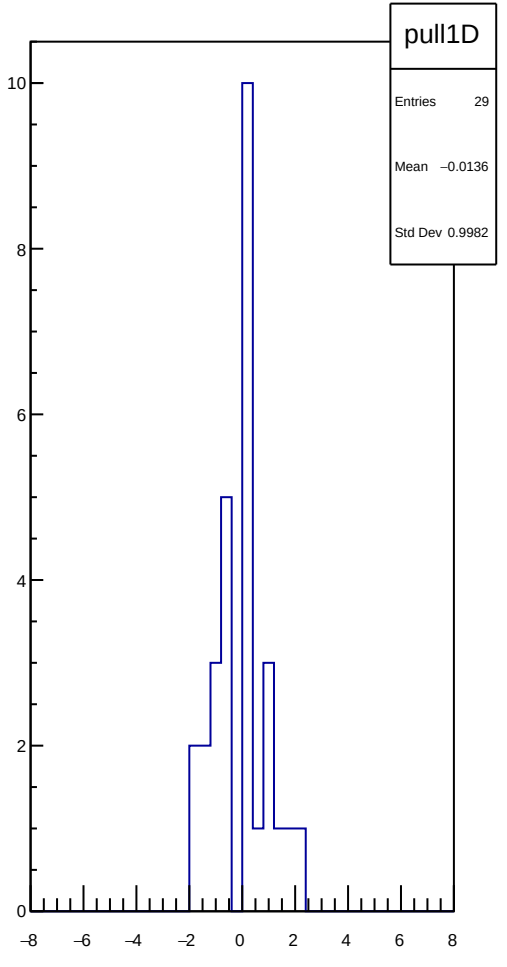

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2038 / 28
p0 3948 ± 5.229
4600
4400
4200
4000
3800
3600
3400
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

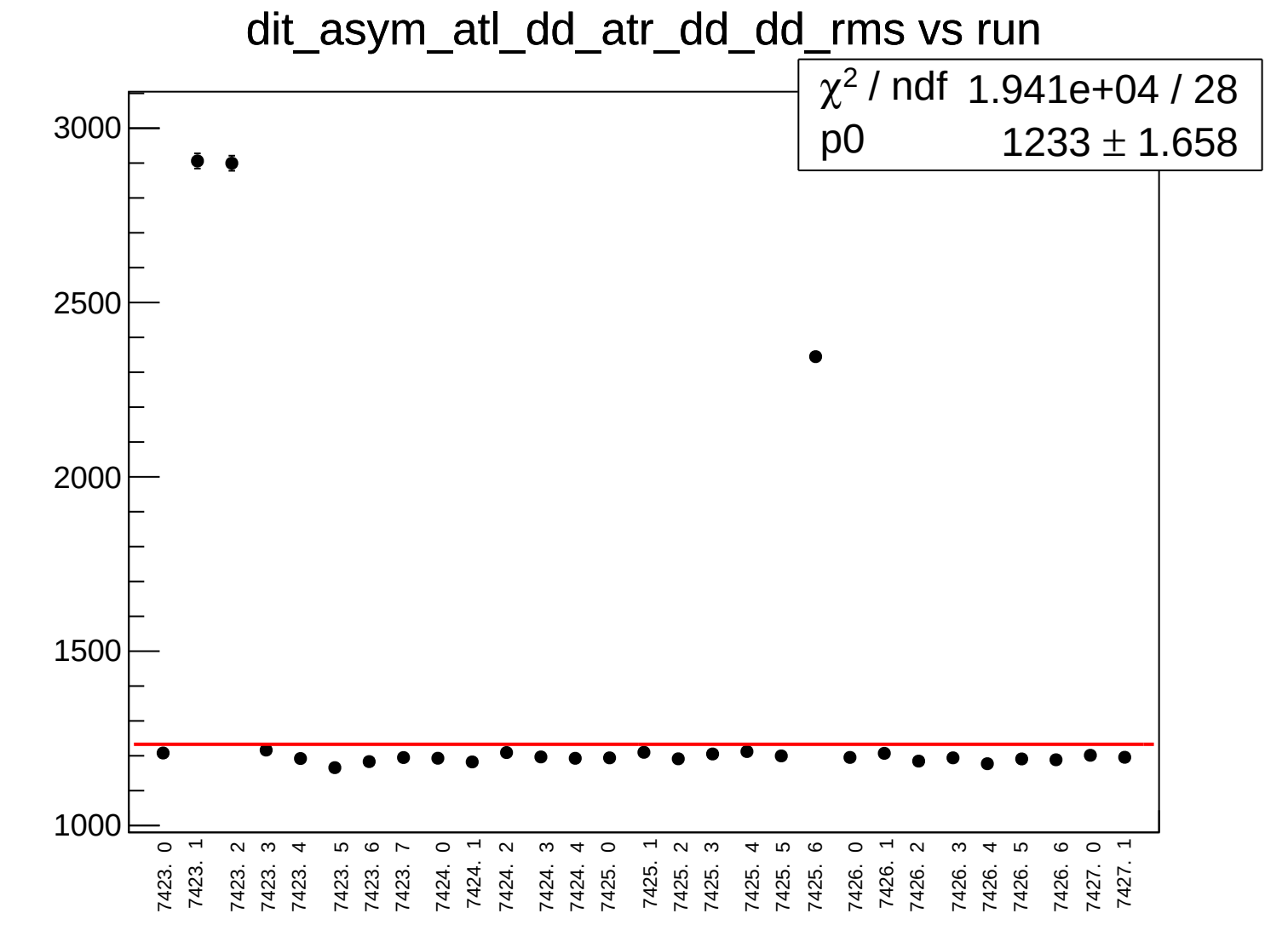

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 20.2 / 28
p0 −821.5 ± 7775
×10³
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 299.3
Std Dev 287.1
1.5
1
0.5
0
−0.5
−1
−1.5

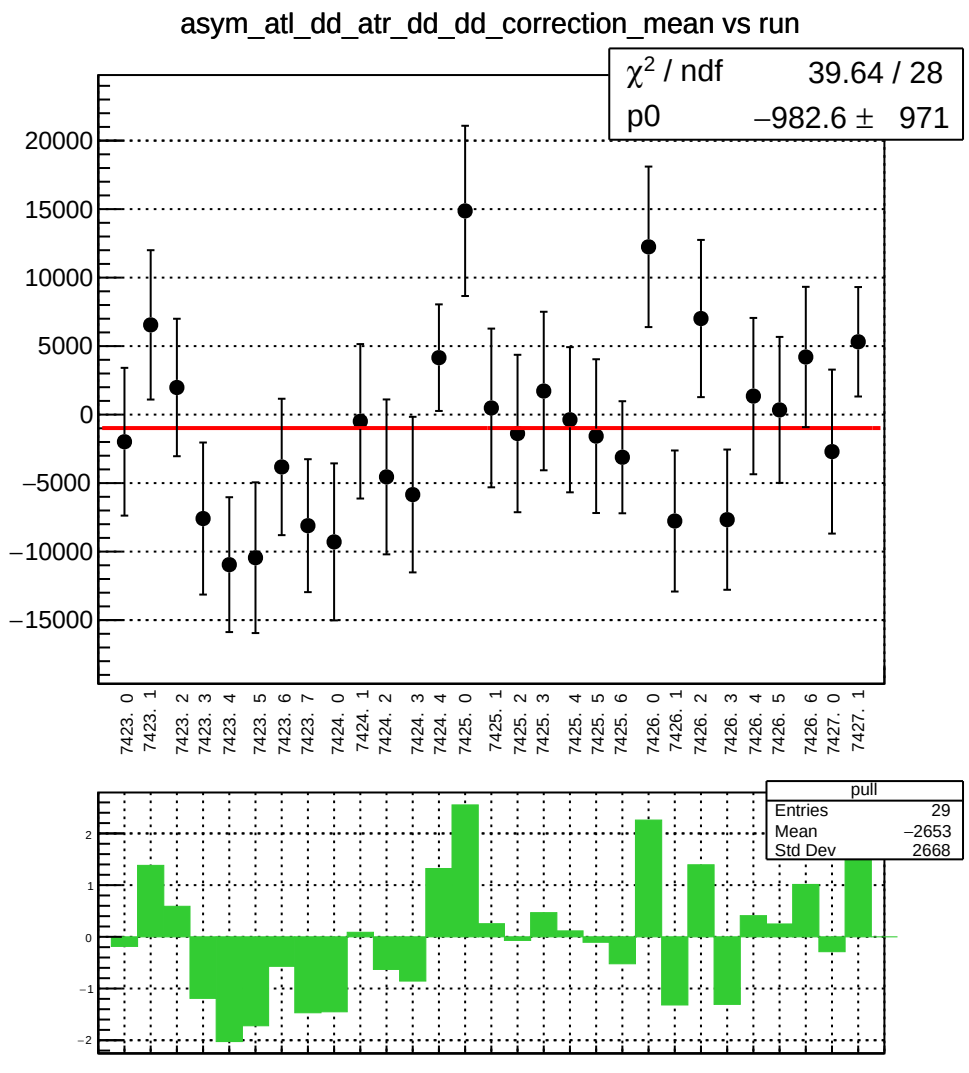

pull1D
Entries 29
Mean 0.01132
Std Dev 0.8345
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

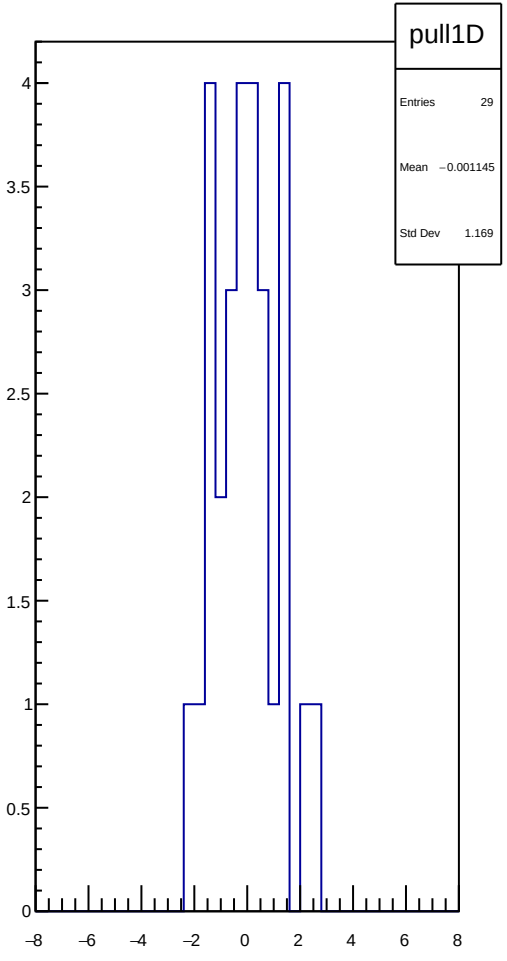

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2390 / 28
p0 4150 ± 5.498
4800
4600
4400
4200
4000
3800
3600
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

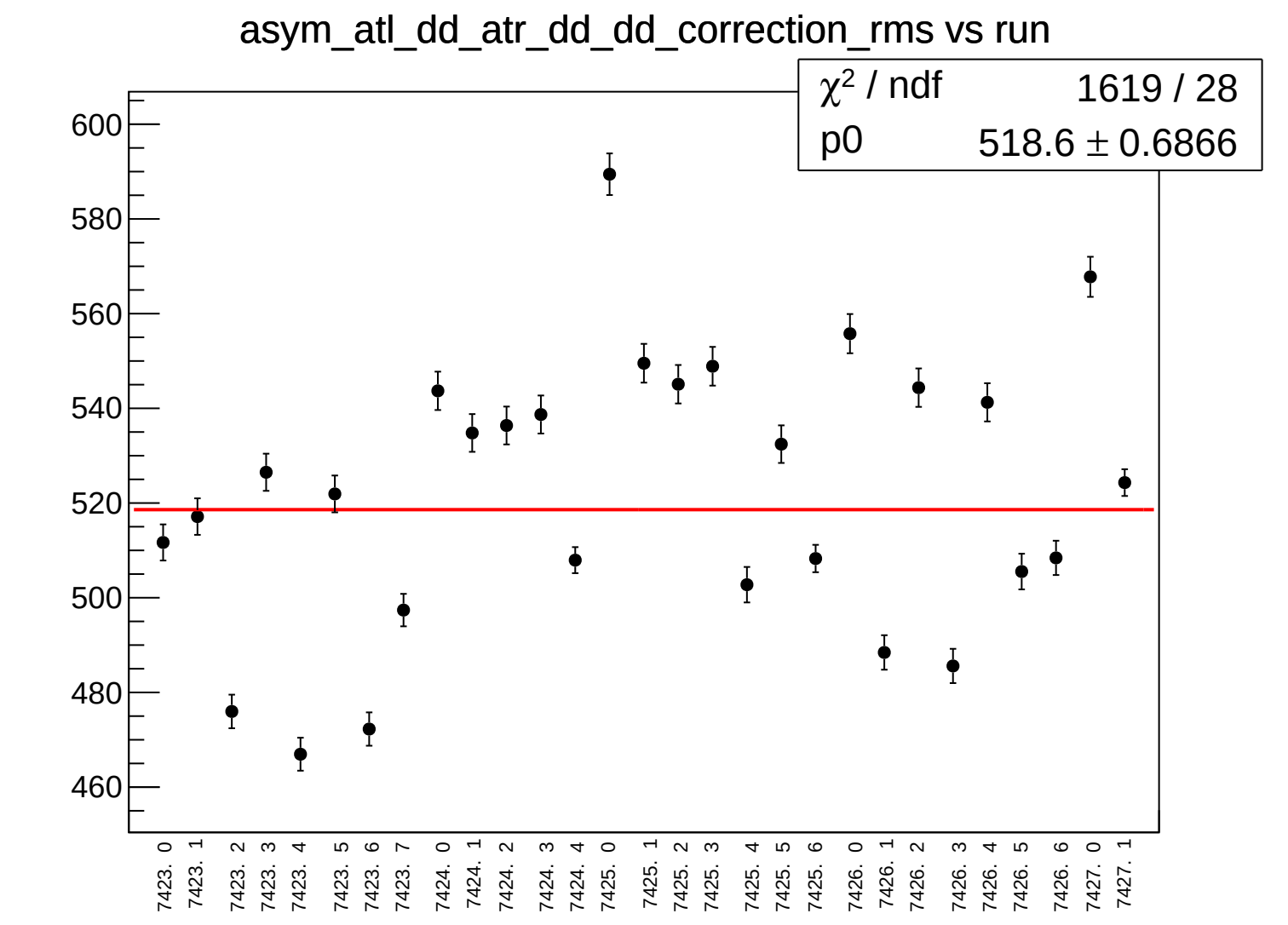

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 28.9 / 28
p0 1431 ± 2345
60000
40000
20000
0
−20000
−40000
−60000
−80000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 88.55
Std Dev 75
2
1.5
1
0.5
0
−0.5
−1
−1.5

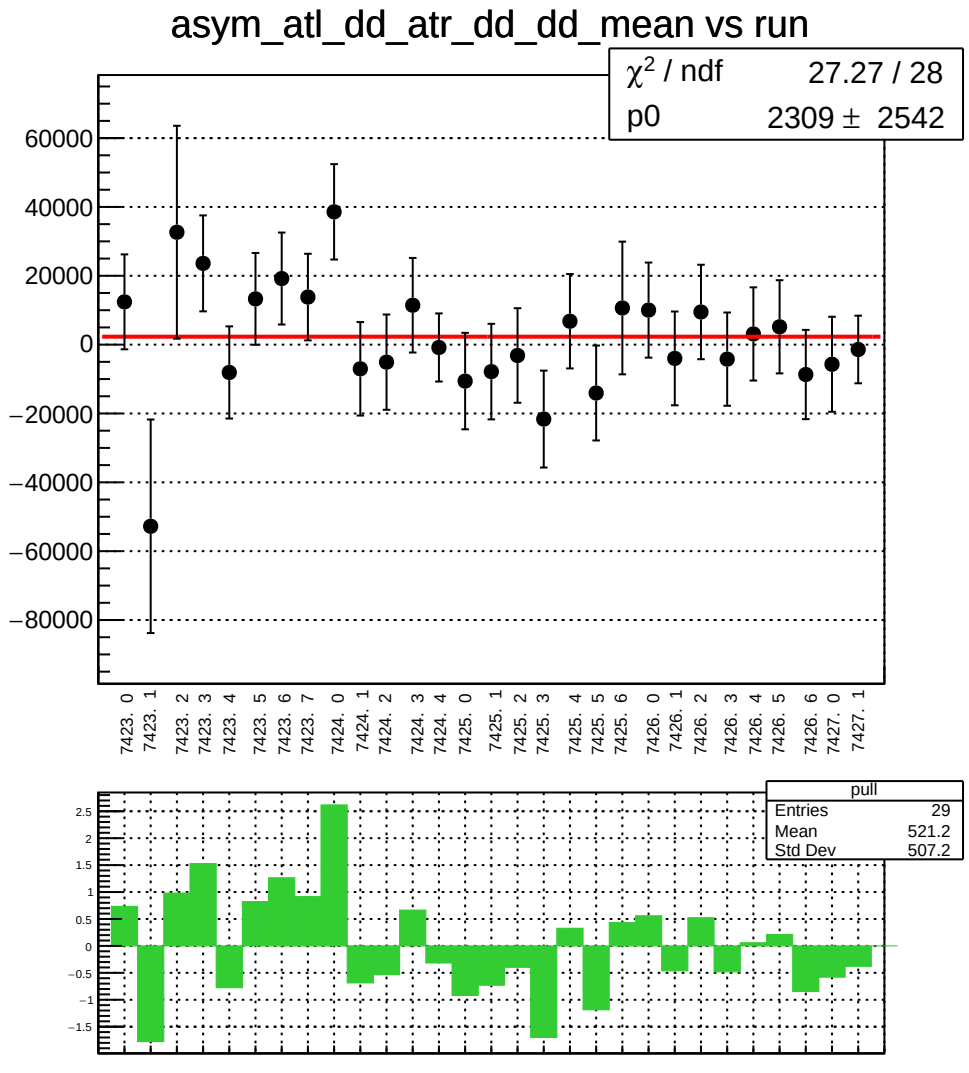

pull1D
Entries 29
Mean −0.0136
Std Dev 0.9982
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

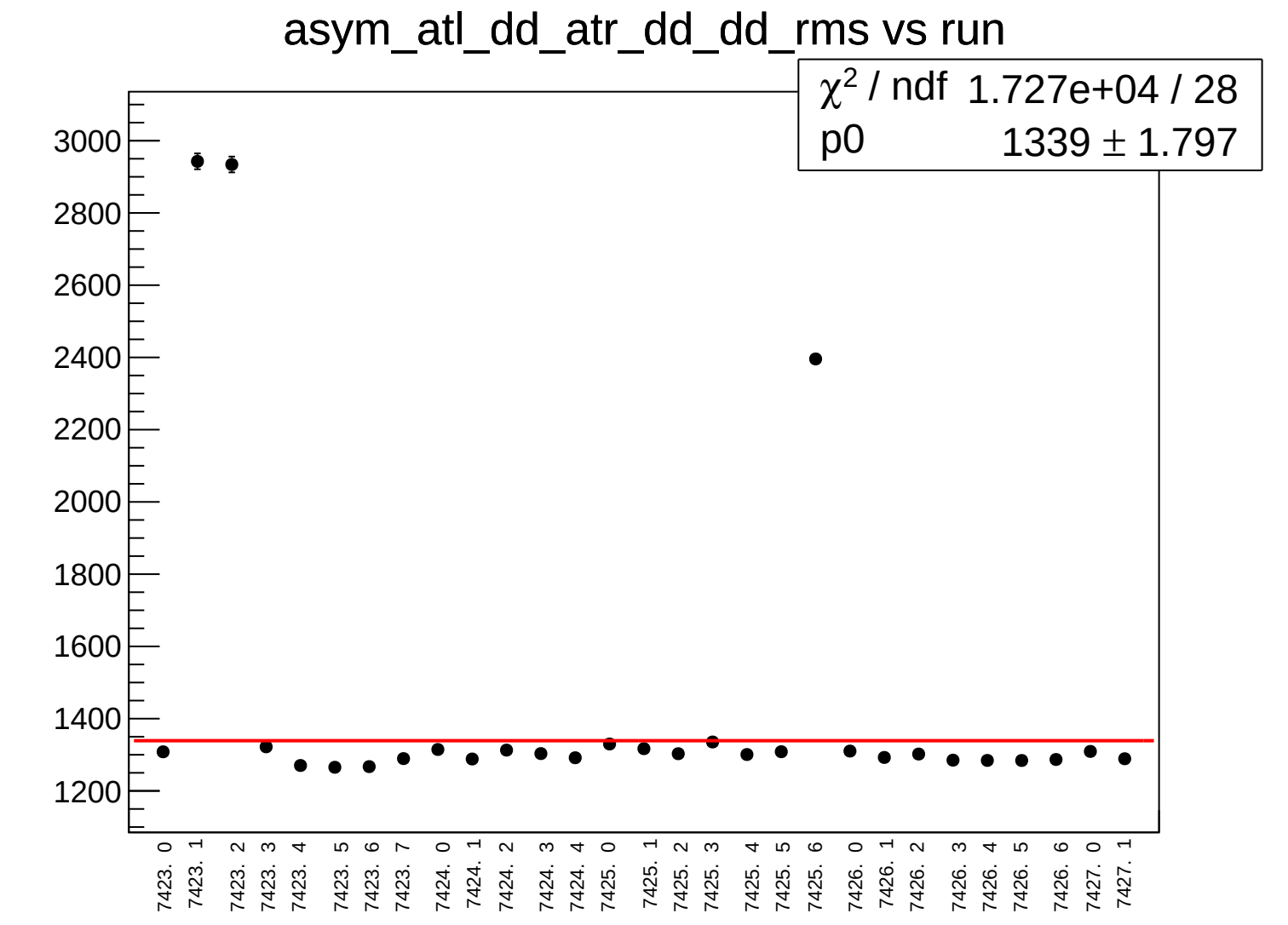

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.941e+04 / 28
p0 1233 ± 1.658
3000
2500
2000
1500
1000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

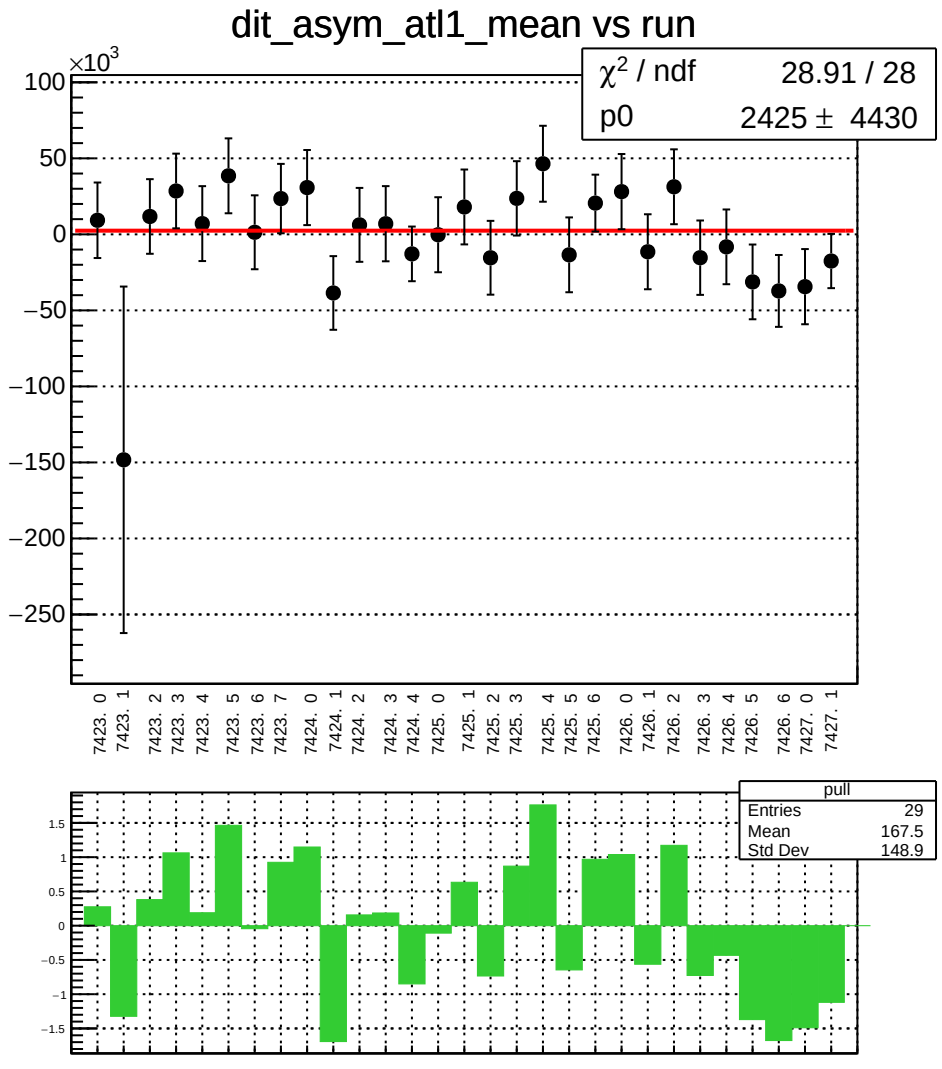

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 39.64 / 28
p0 −982.6 ± 971
20000
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −2653
Std Dev 2668
2
1
0
−1
−2

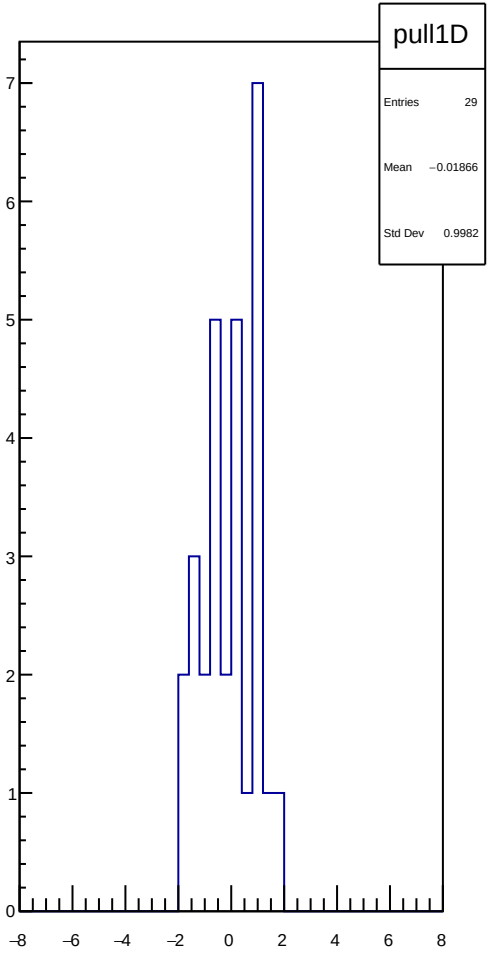

pull1D
Entries 29
Mean −0.001145
Std Dev 1.169
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

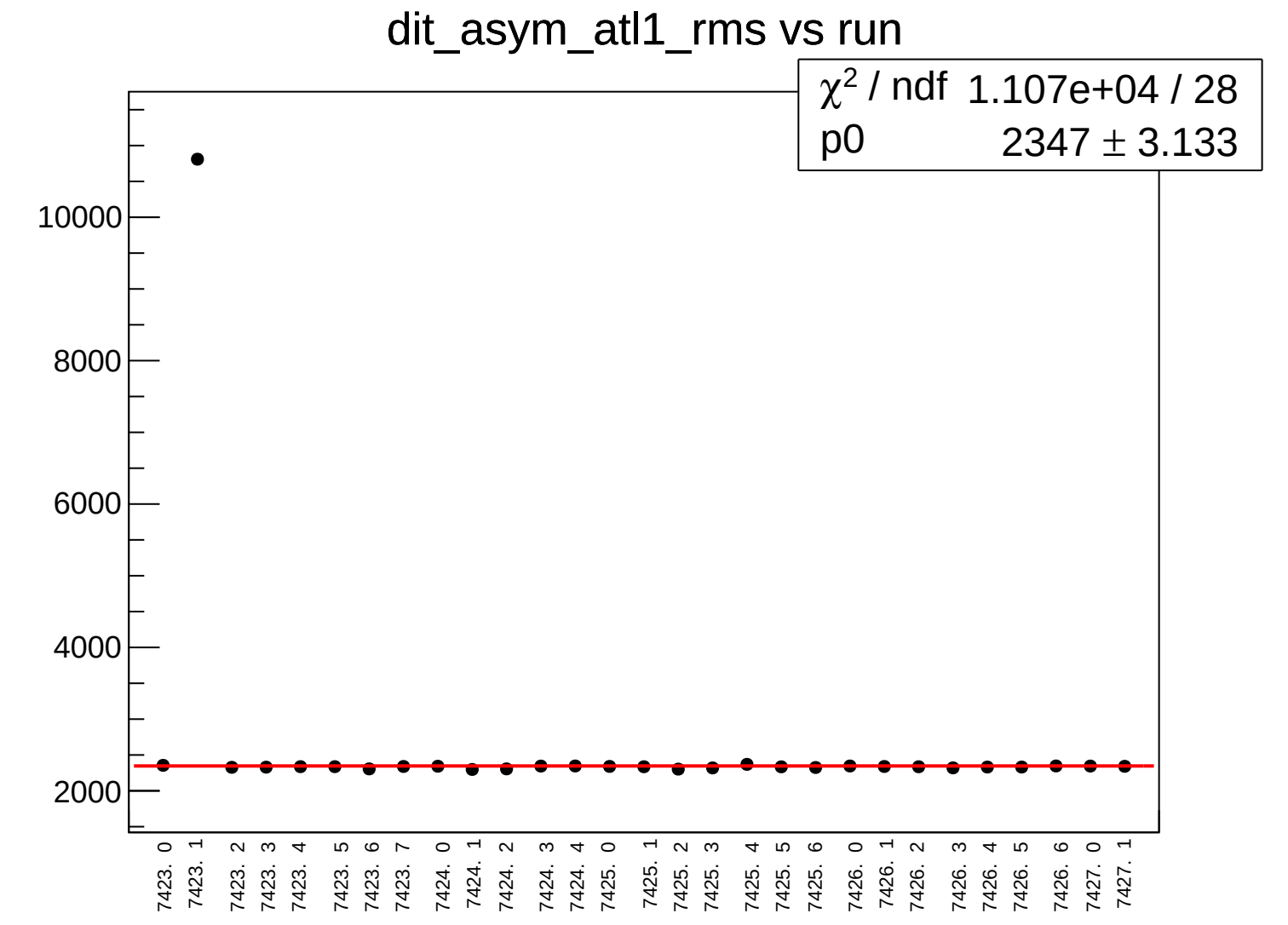

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1619 / 28
p0 518.6 ± 0.6866
600
580
560
540
520
500
480
460
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

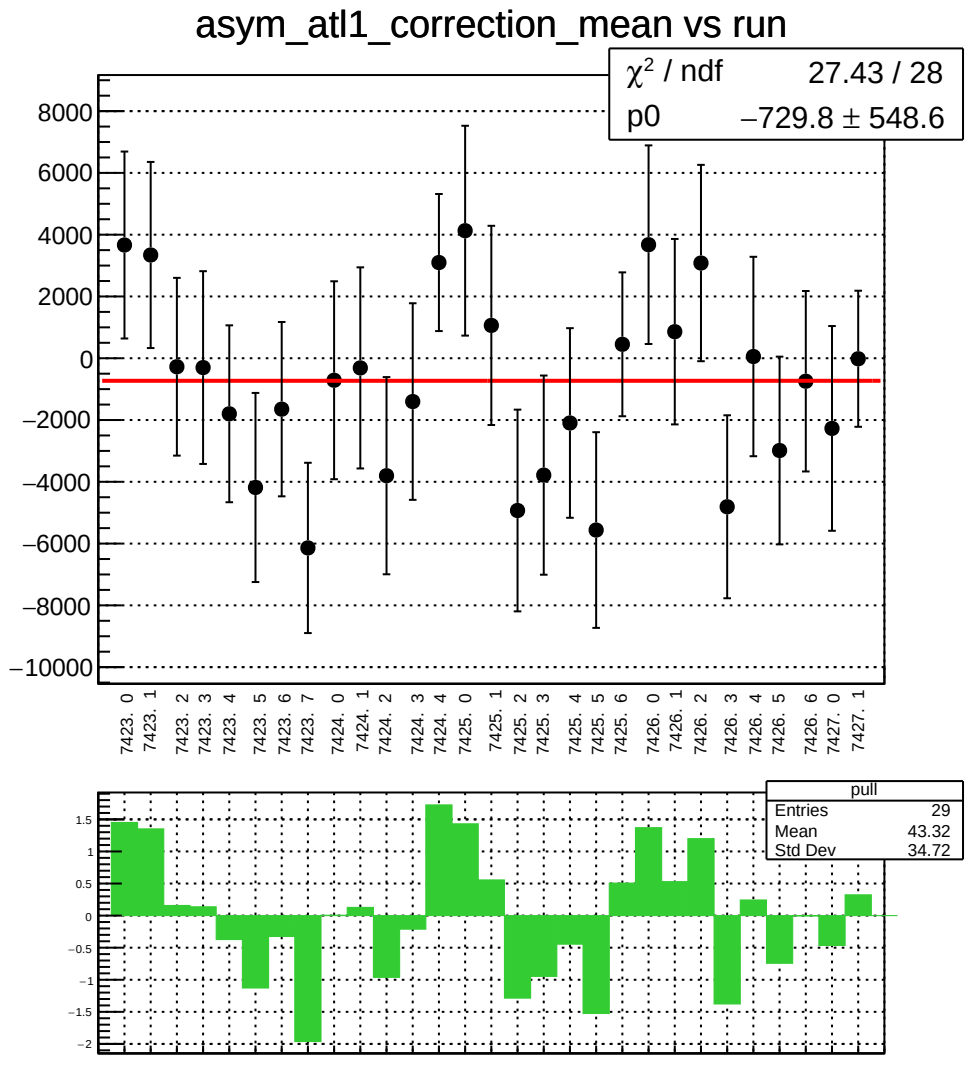

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 27.27 / 28
p0 2309 ± 2542
60000
40000
20000
0
−20000
−40000
−60000
−80000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 521.2
Std Dev 507.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.004632
Std Dev 0.9697
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

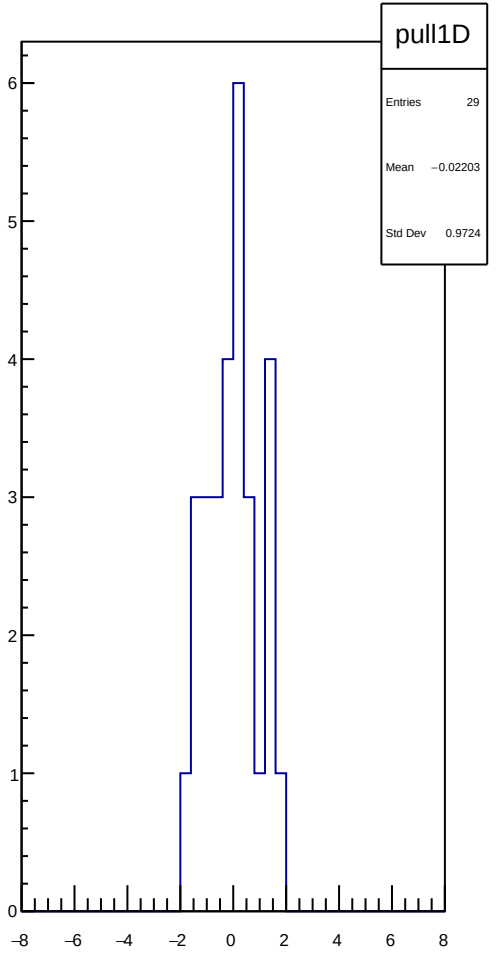

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.727e+04 / 28
p0 1339 ± 1.797
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

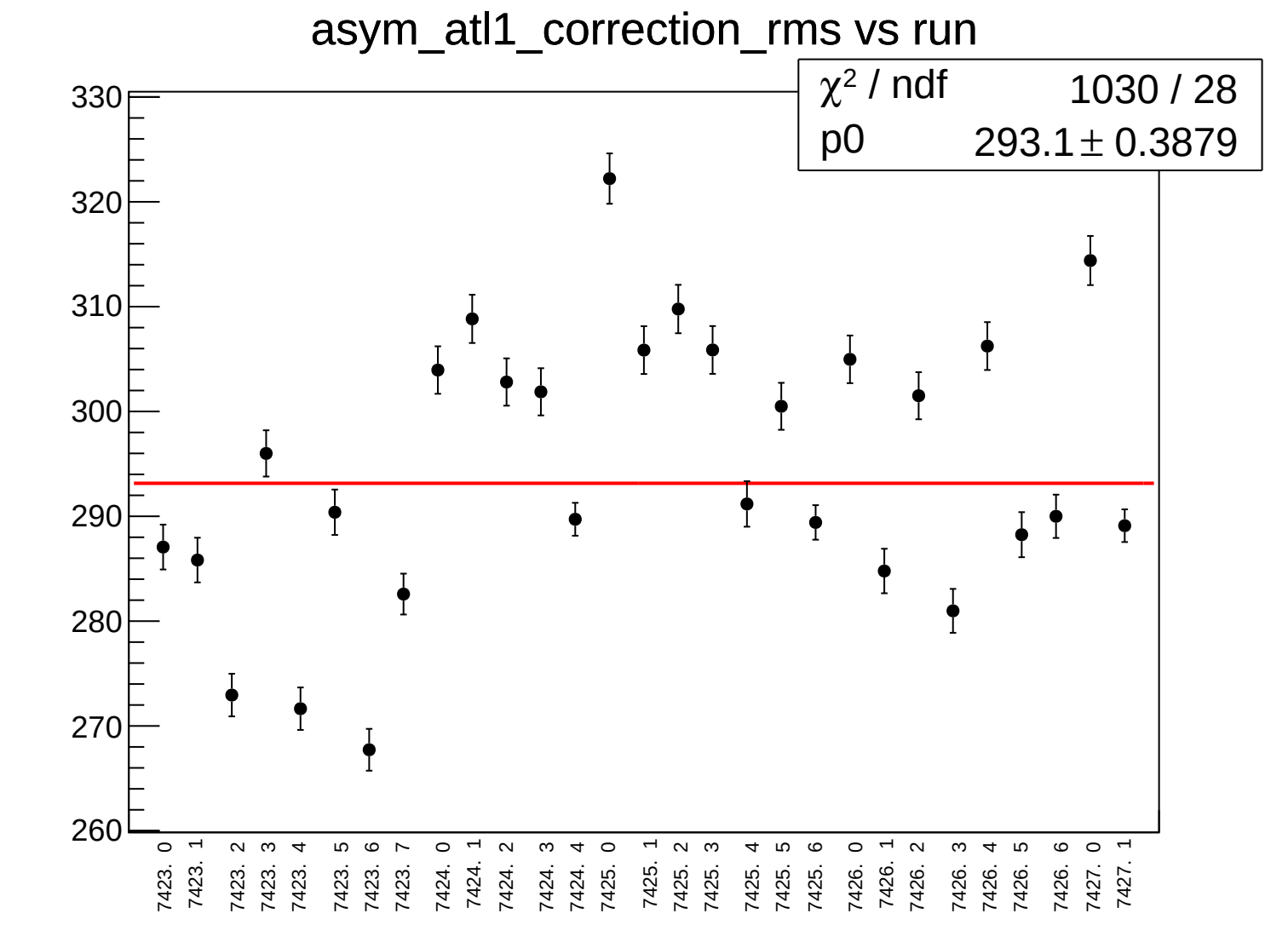

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 28.91 / 28
p0 2425 ± 4430
100
50
0
−50
−100
−150
−200
−250
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 167.5
Std Dev 148.9
1.5
1
0.5
0
−0.5
−1
−1.5

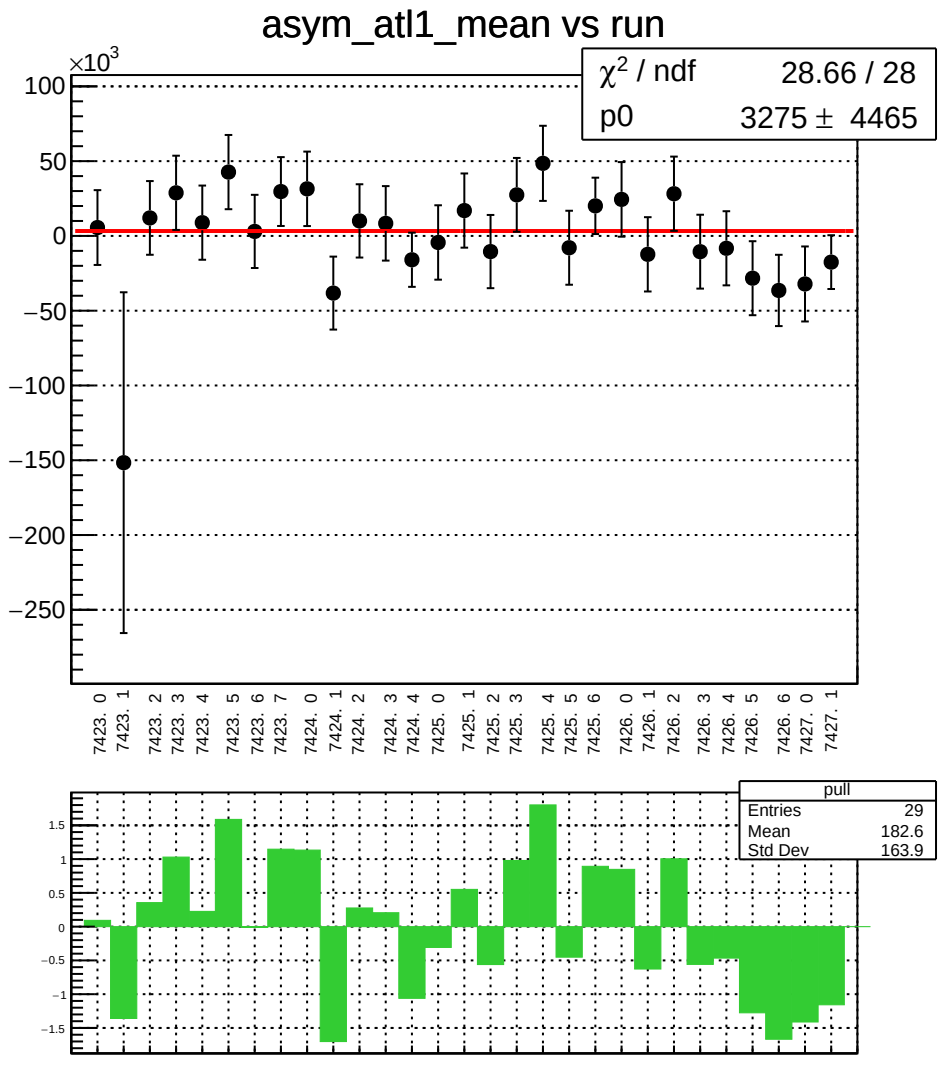

pull1D
Entries 29
Mean −0.01866
Std Dev 0.9982
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

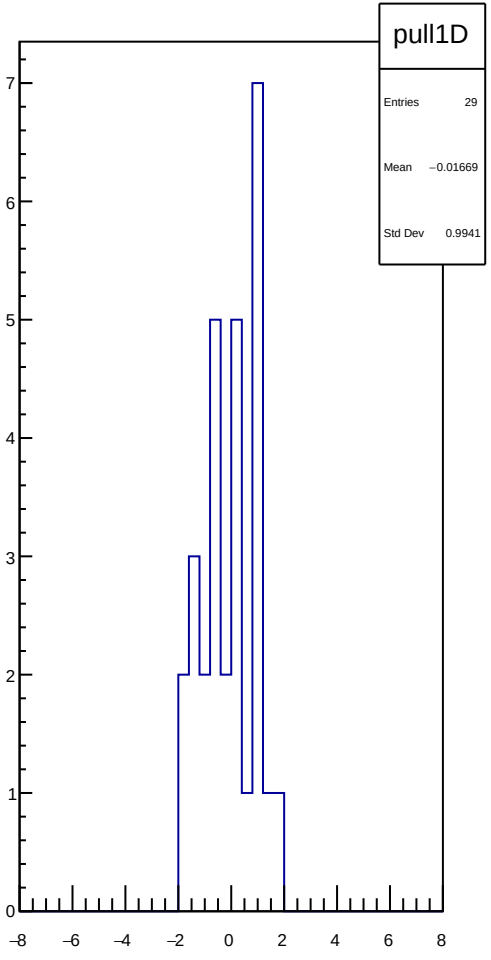

dit_asym_atl1_rms vs run
χ² / ndf 1.107e+04 / 28
p0 2347 ± 3.133
10000
8000
6000
4000
2000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

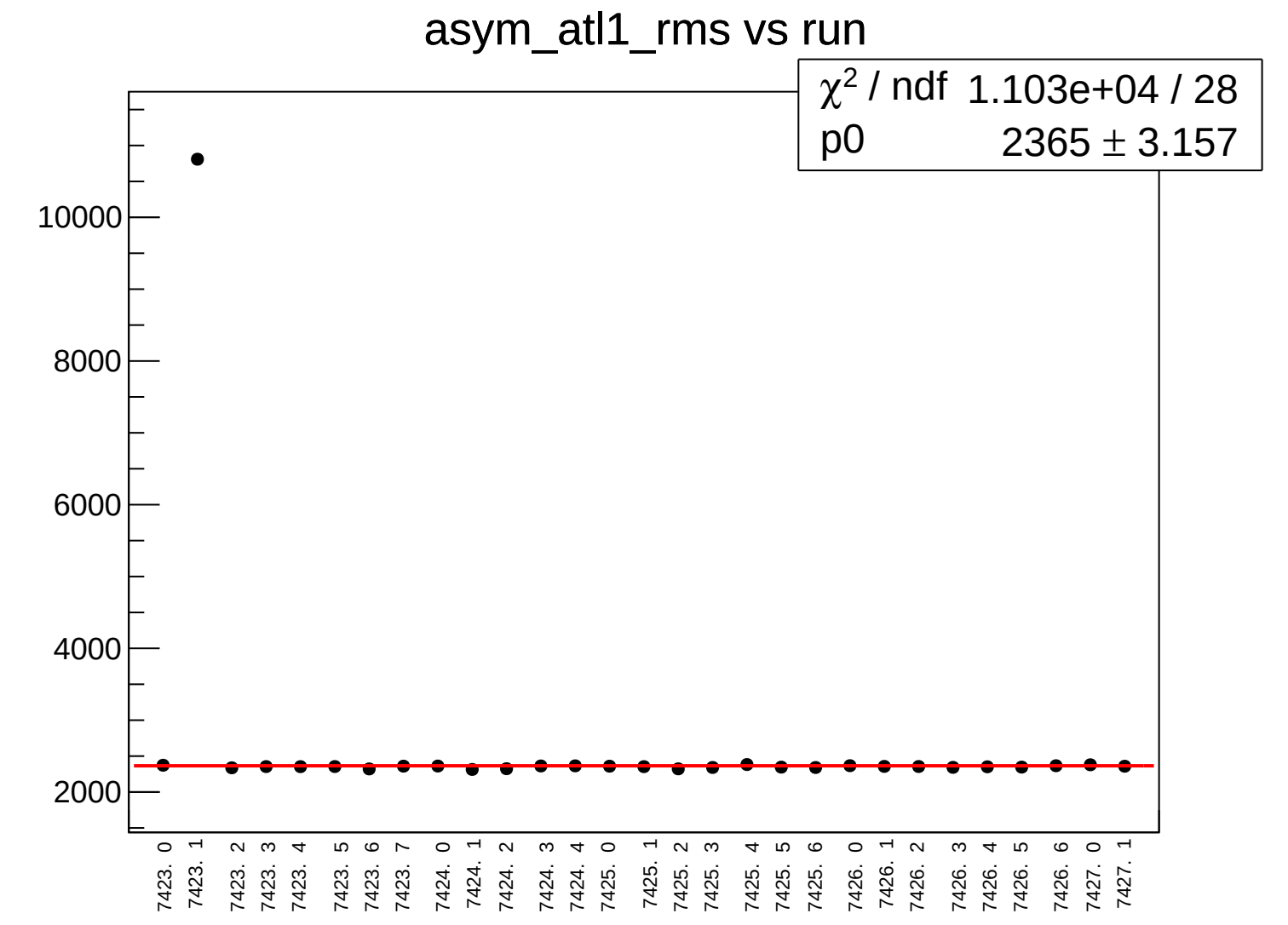

asym_atl1_correction_mean vs run
χ² / ndf 27.43 / 28
p0 −729.8 ± 548.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 43.32
Std Dev 34.72
1.5
1
0.5
0
−0.5
−1
−1.5
−2

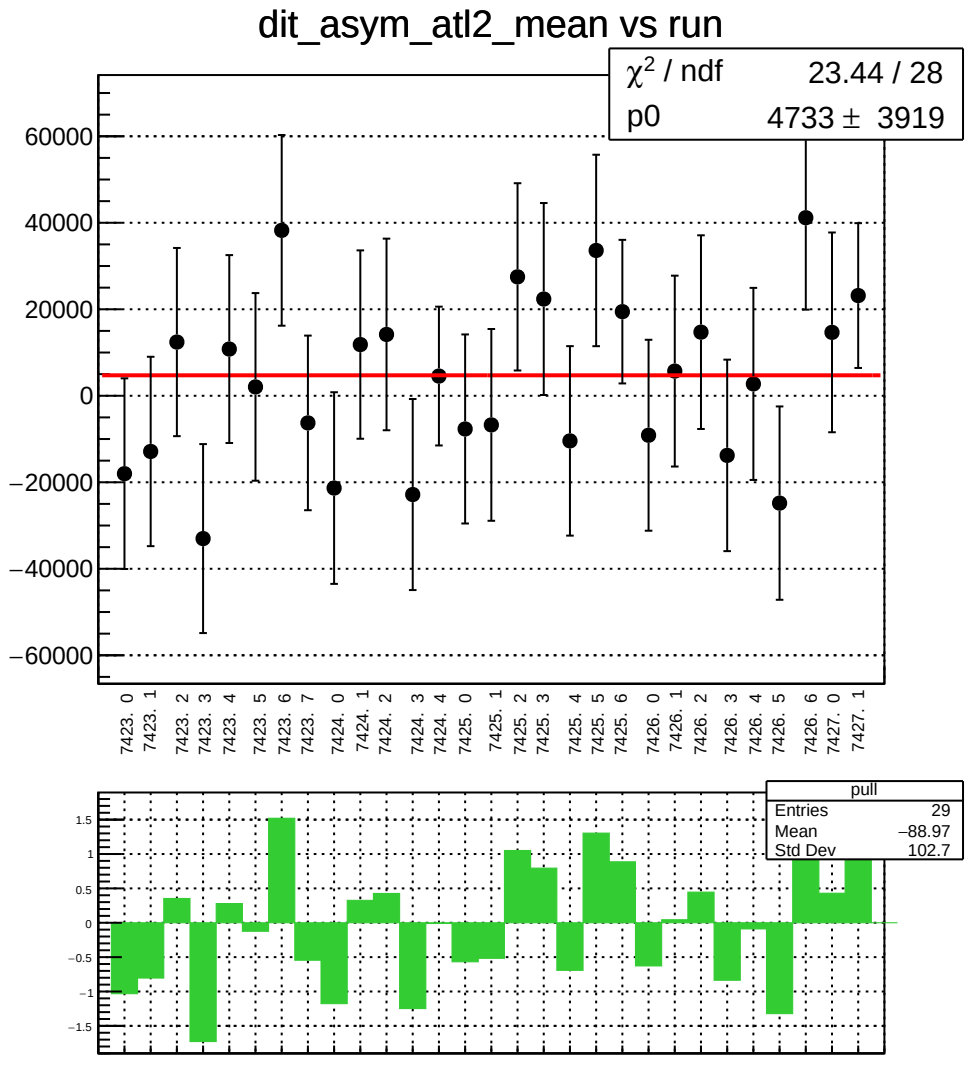

pull1D
Entries 29
Mean −0.02203
Std Dev 0.9724
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

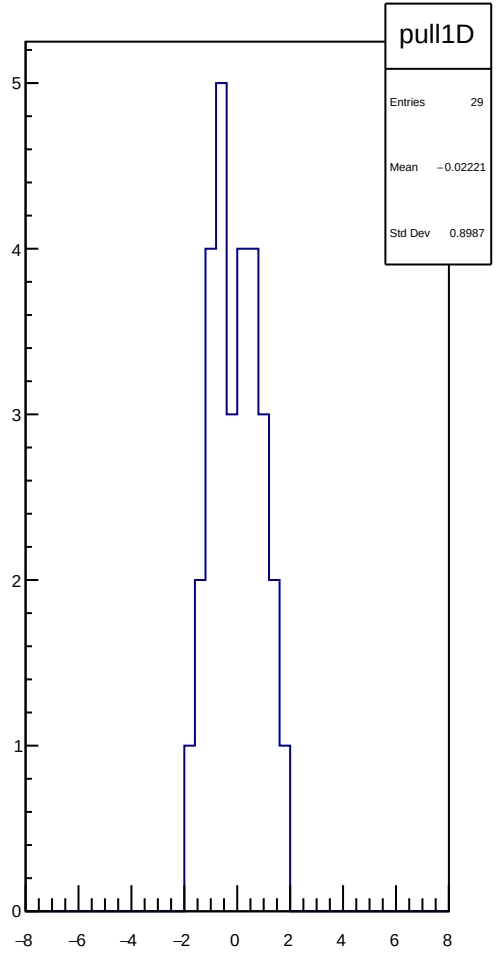

asym_atl1_correction_rms vs run
χ² / ndf 1030 / 28
p0 293.1 ± 0.3879
330
320
310
300
290
280
270
260
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

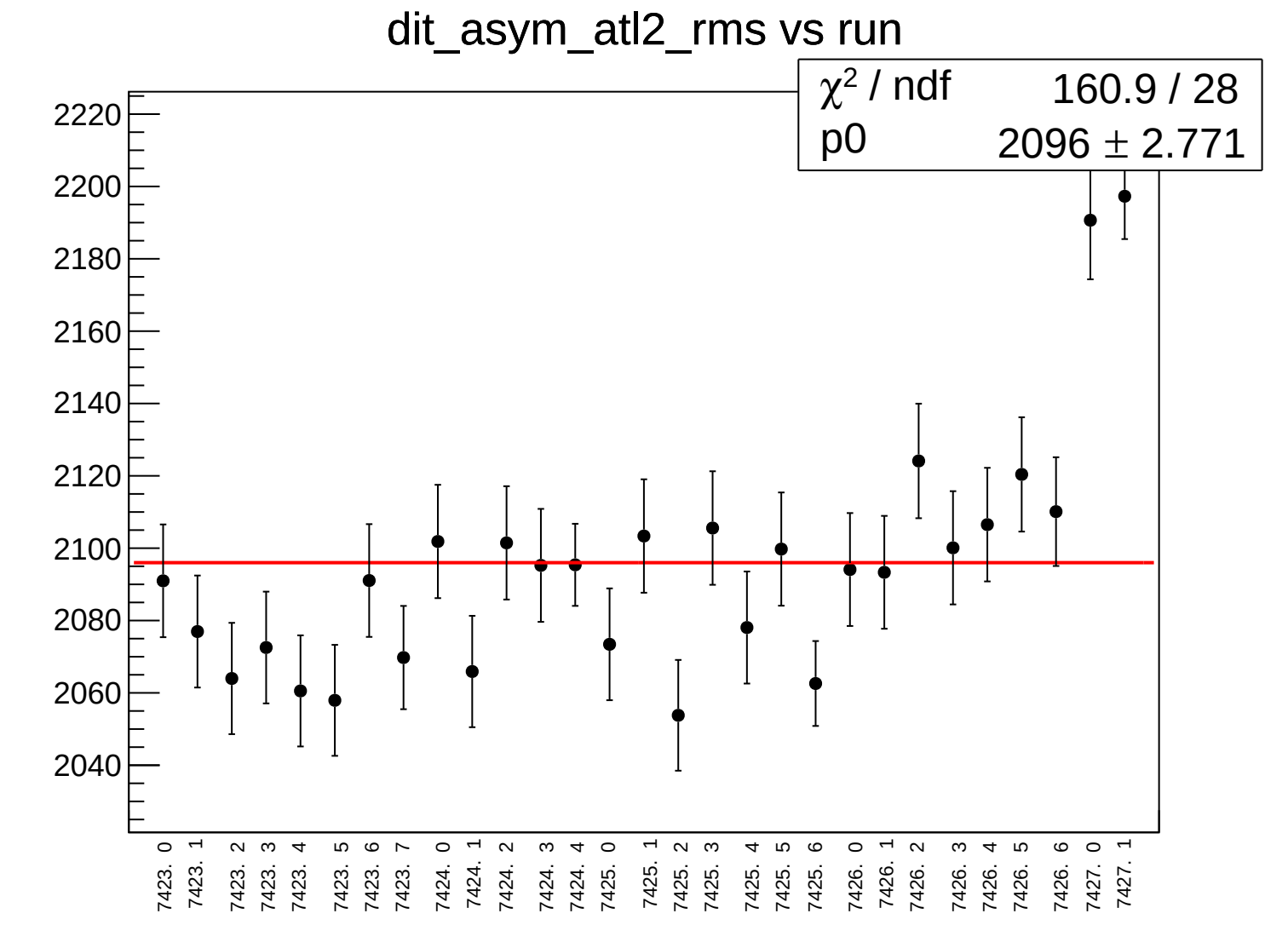

asym_atl1_mean vs run
×10^3
χ^2 / ndf 28.66 / 28
p0 3275 ± 4465
100
50
0
−50
−100
−150
−200
−250
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 182.6
Std Dev 163.9
1.5
1
0.5
0
−0.5
−1
−1.5

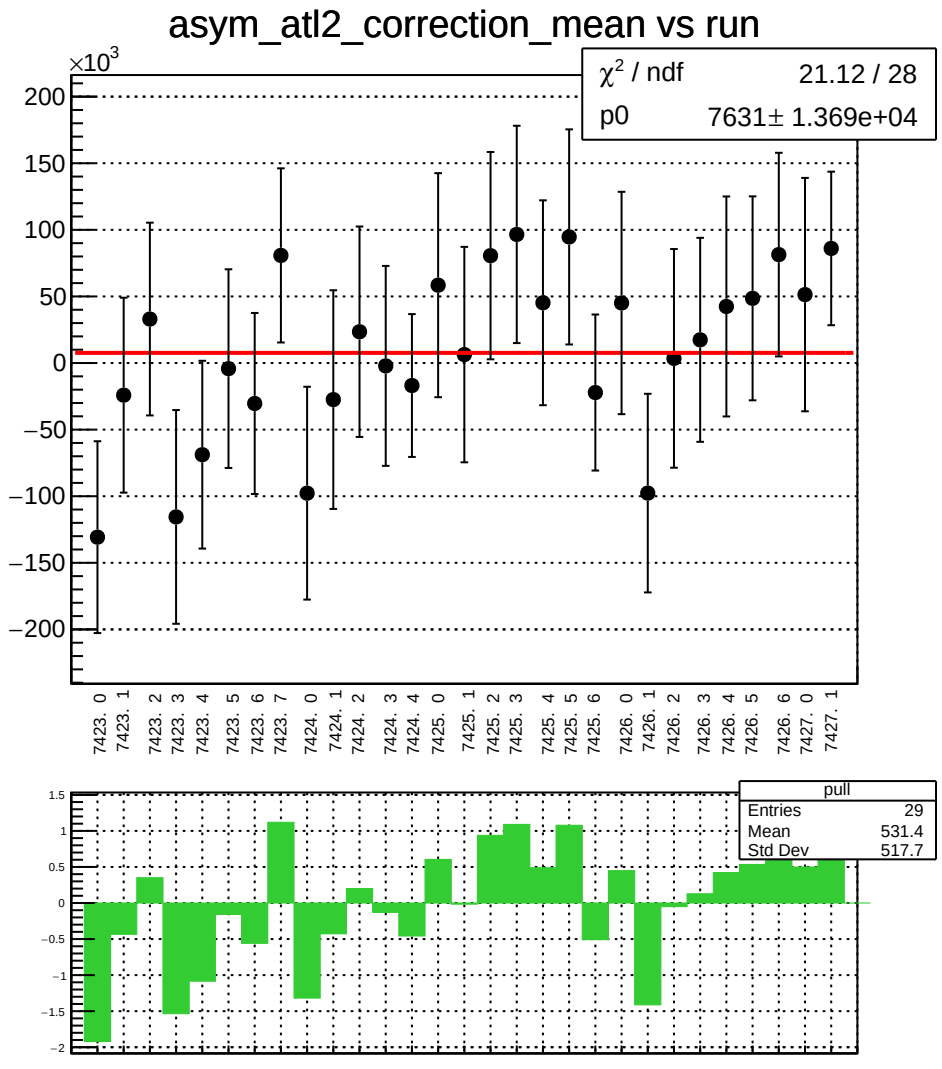

pull1D
Entries 29
Mean −0.01669
Std Dev 0.9941
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

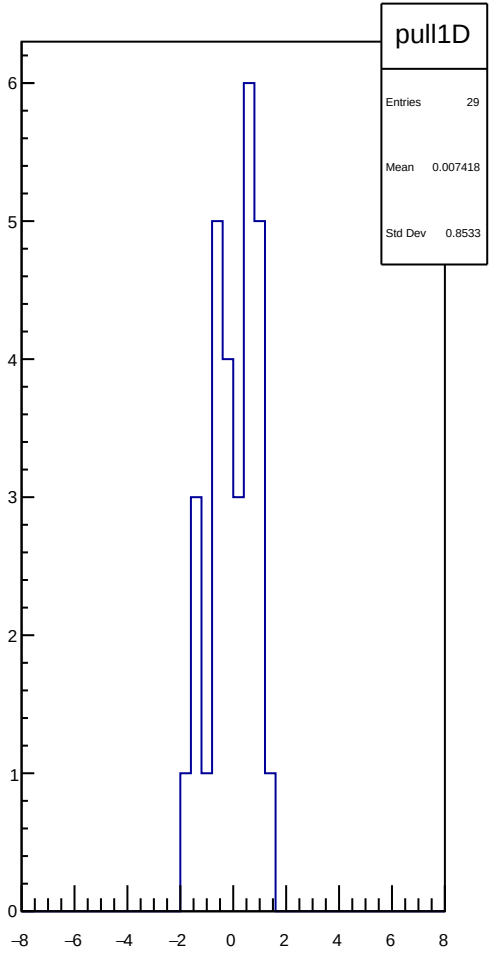

asym_atl1_rms vs run
χ² / ndf 1.103e+04 / 28
p0 2365 ± 3.157
10000
8000
6000
4000
2000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

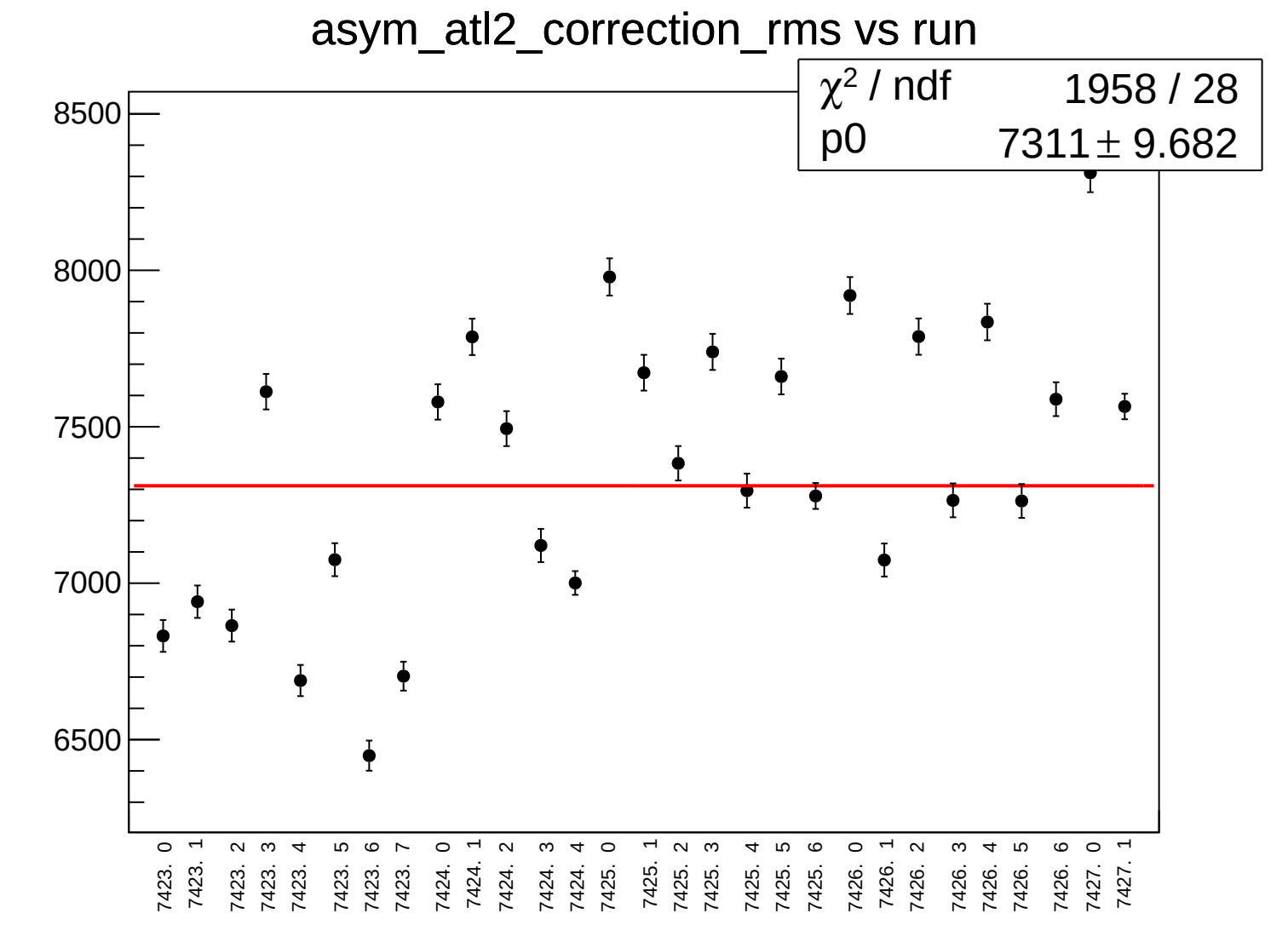

dit_asym_atl2_mean vs run
χ² / ndf 23.44 / 28
p0 4733 ± 3919
60000
40000
20000
0
−20000
−40000
−60000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −88.97
Std Dev 102.7
1.5
1
0.5
0
−0.5
−1
−1.5

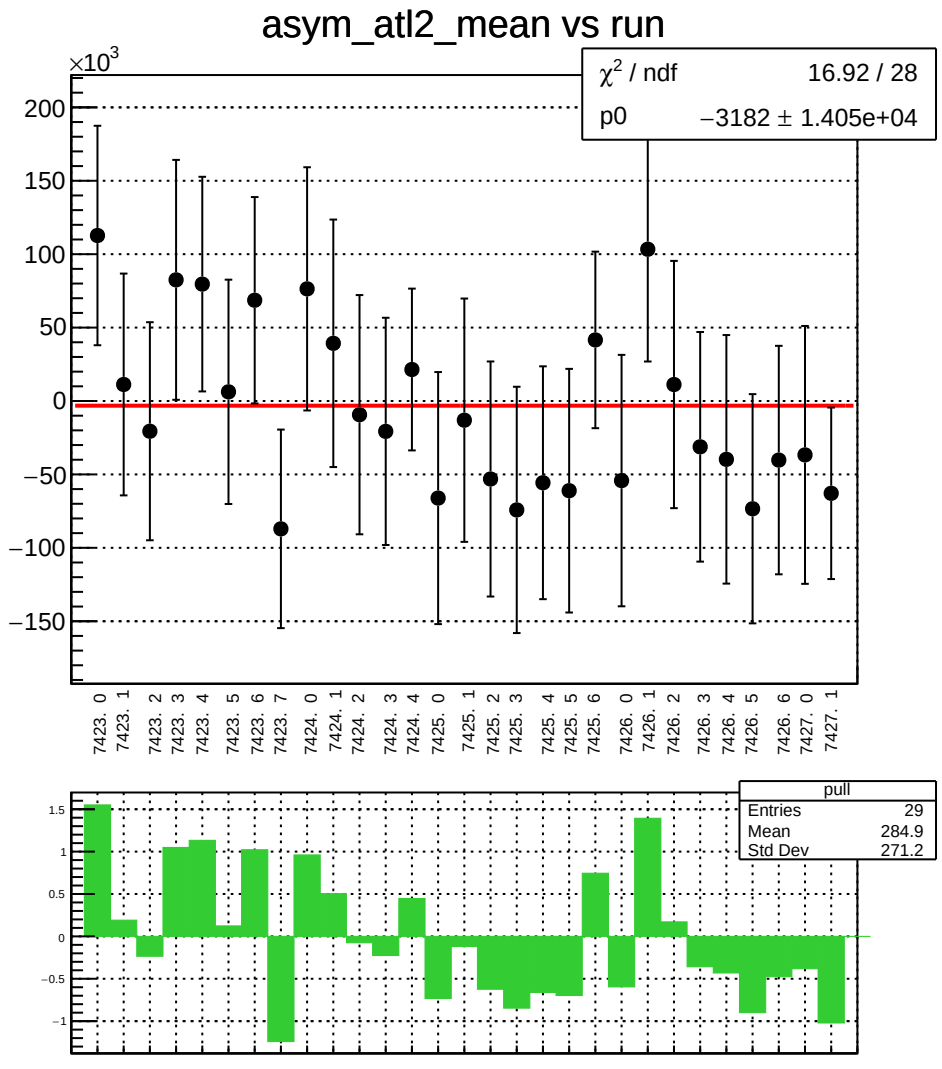

pull1D
Entries 29
Mean −0.02221
Std Dev 0.8987
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

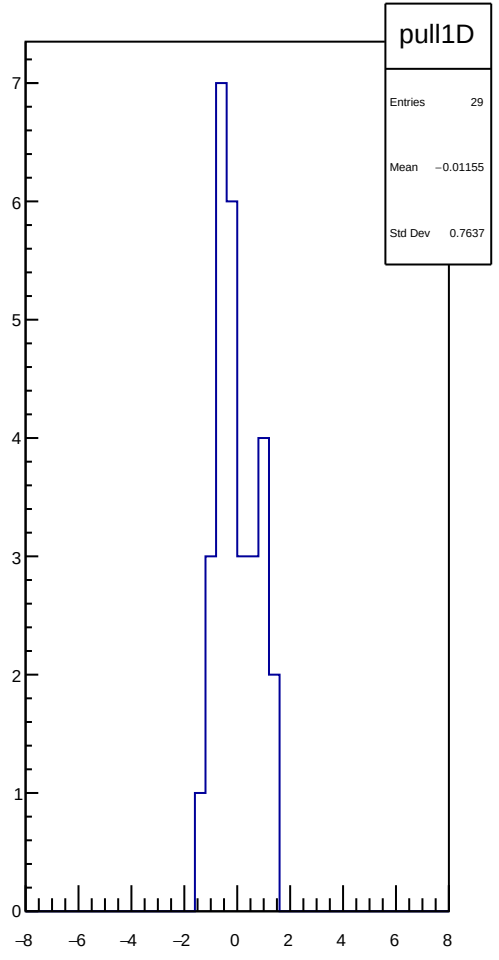

dit_asym_atl2_rms vs run
χ² / ndf 160.9 / 28
p0 2096 ± 2.771
2220
2200
2180
2160
2140
2120
2100
2080
2060
2040
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

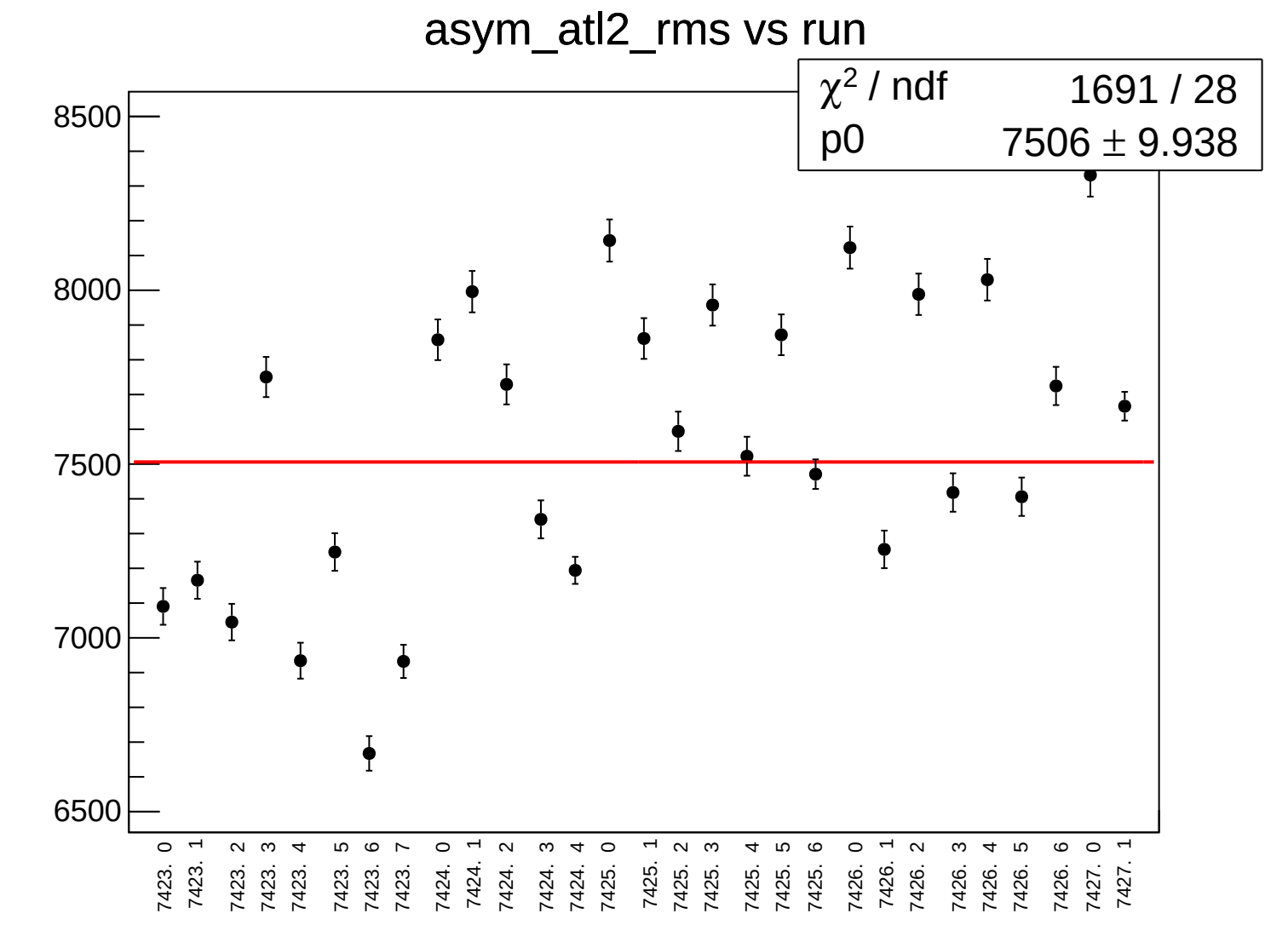

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 21.12 / 28
p0 7631± 1.369e+04
200
150
100
50
0
−50
−100
−150
−200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 531.4
Std Dev 517.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

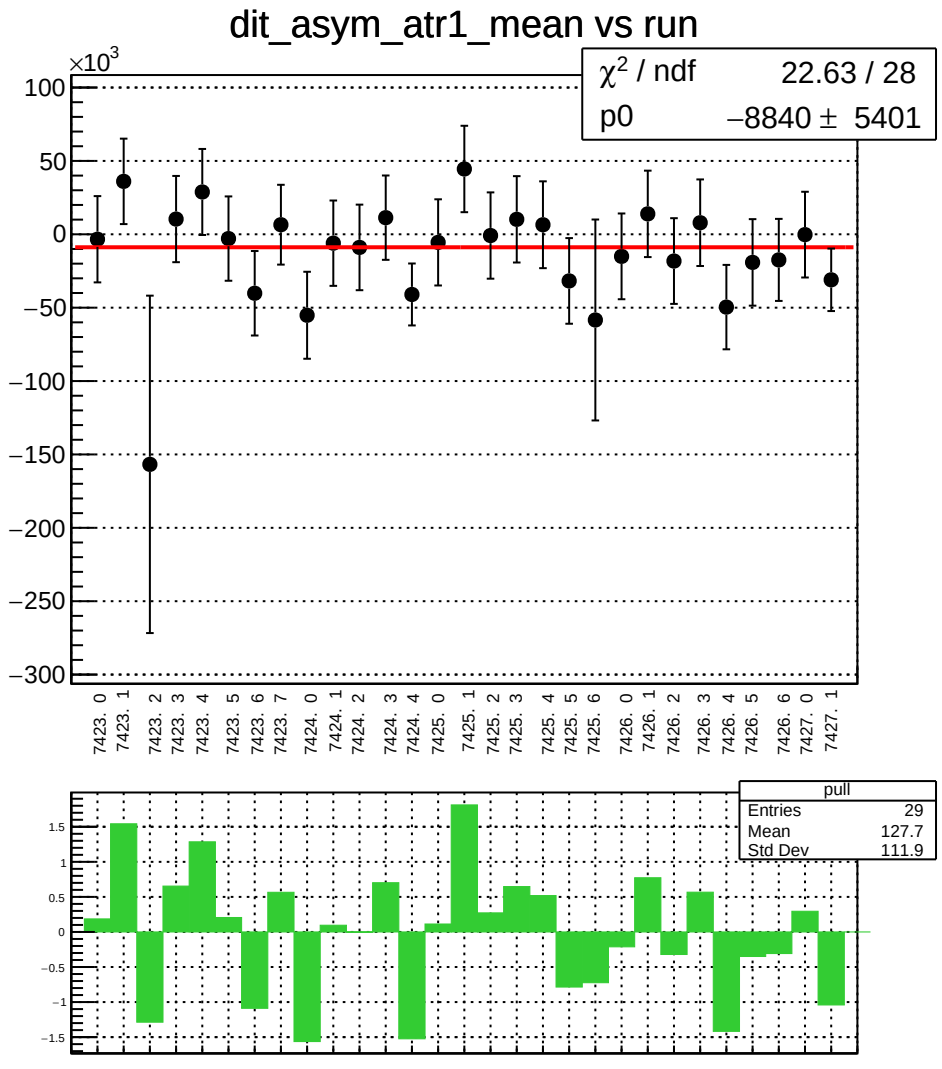

pull1D
Entries 29
Mean 0.007418
Std Dev 0.8533
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

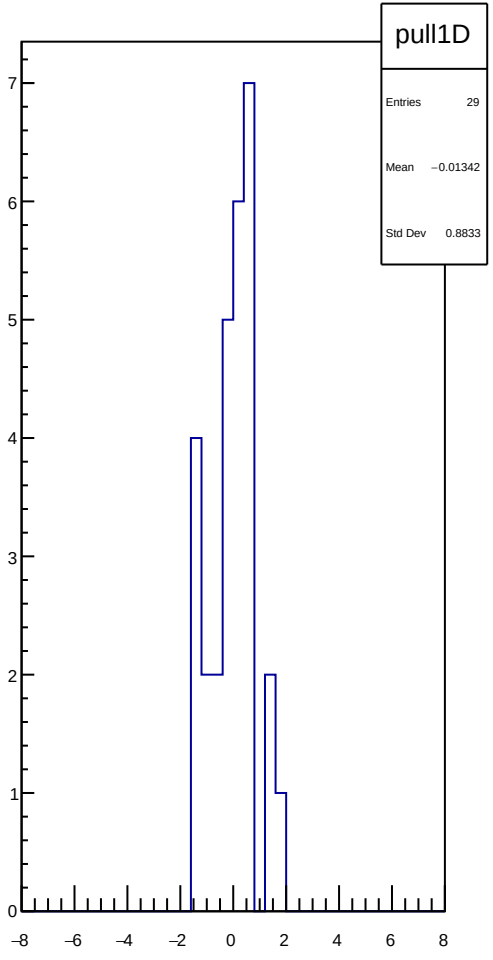

asym_atl2_correction_rms vs run
χ² / ndf 1958 / 28
p0 7311 ± 9.682
8500
8000
7500
7000
6500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

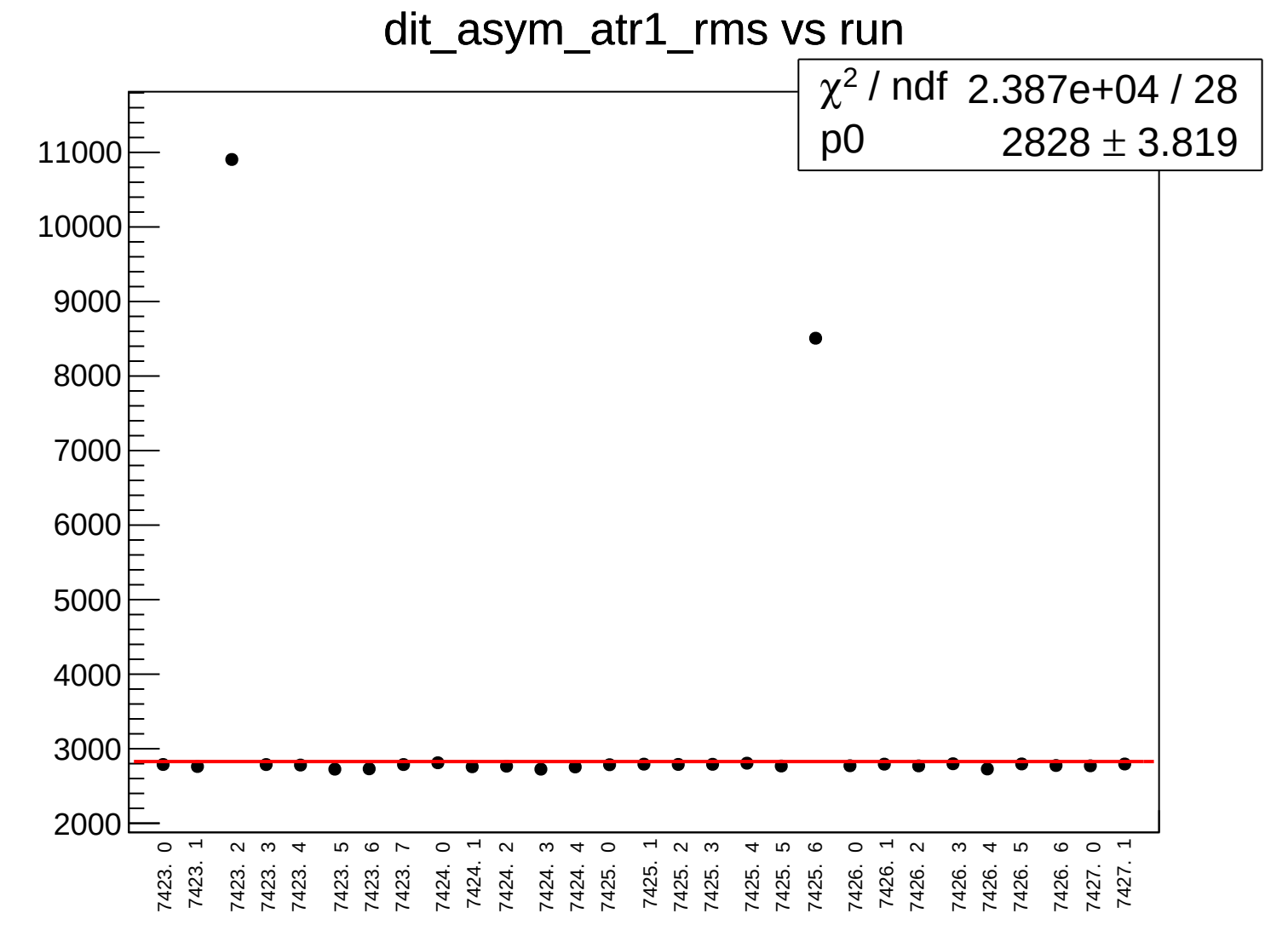

asym_atl2_mean vs run
×10^3
χ² / ndf 16.92 / 28
p0 −3182 ± 1.405e+04
200
150
100
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 284.9
Std Dev 271.2
1.5
1
0.5
0
−0.5
−1

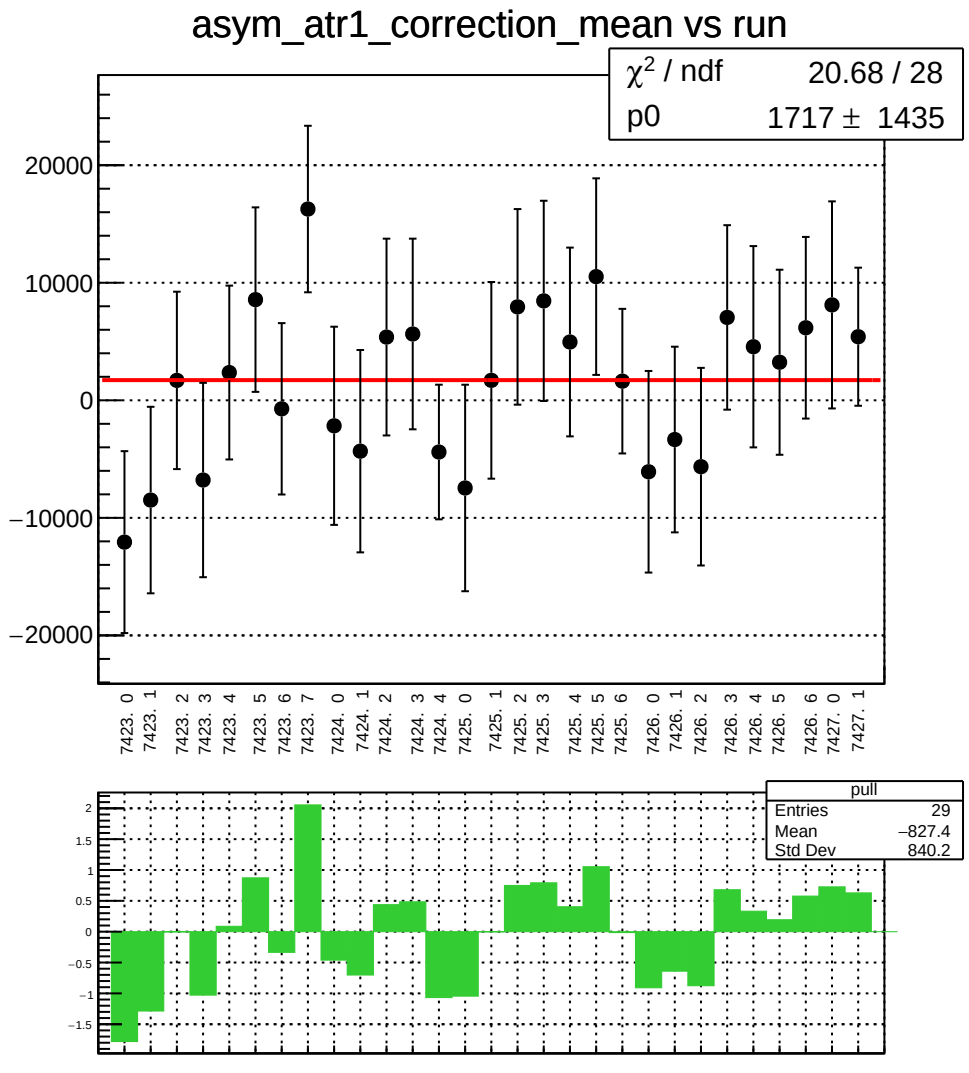

pull1D
Entries 29
Mean −0.01155
Std Dev 0.7637
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

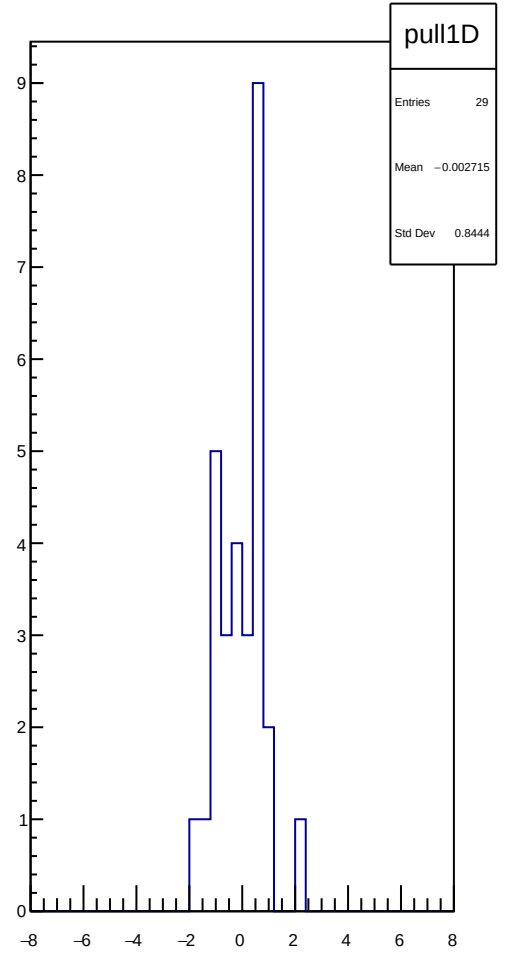

asym_atl2_rms vs run
χ² / ndf 1691 / 28
p0 7506 ± 9.938
8500
8000
7500
7000
6500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

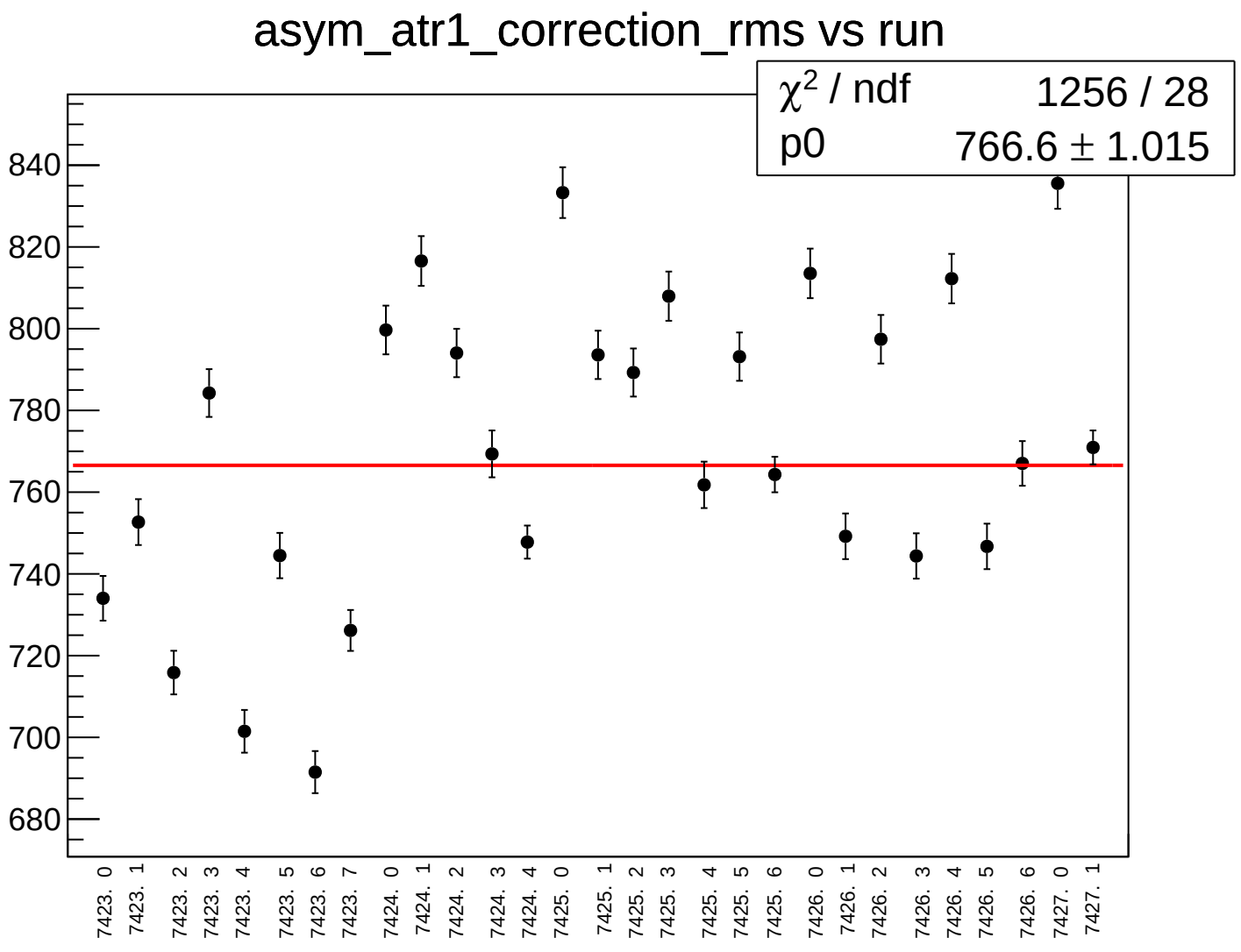

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 22.63 / 28
p0 −8840 ± 5401
100
50
0
−50
−100
−150
−200
−250
−300
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 127.7
Std Dev 111.9
1.5
1
0.5
0
−0.5
−1
−1.5

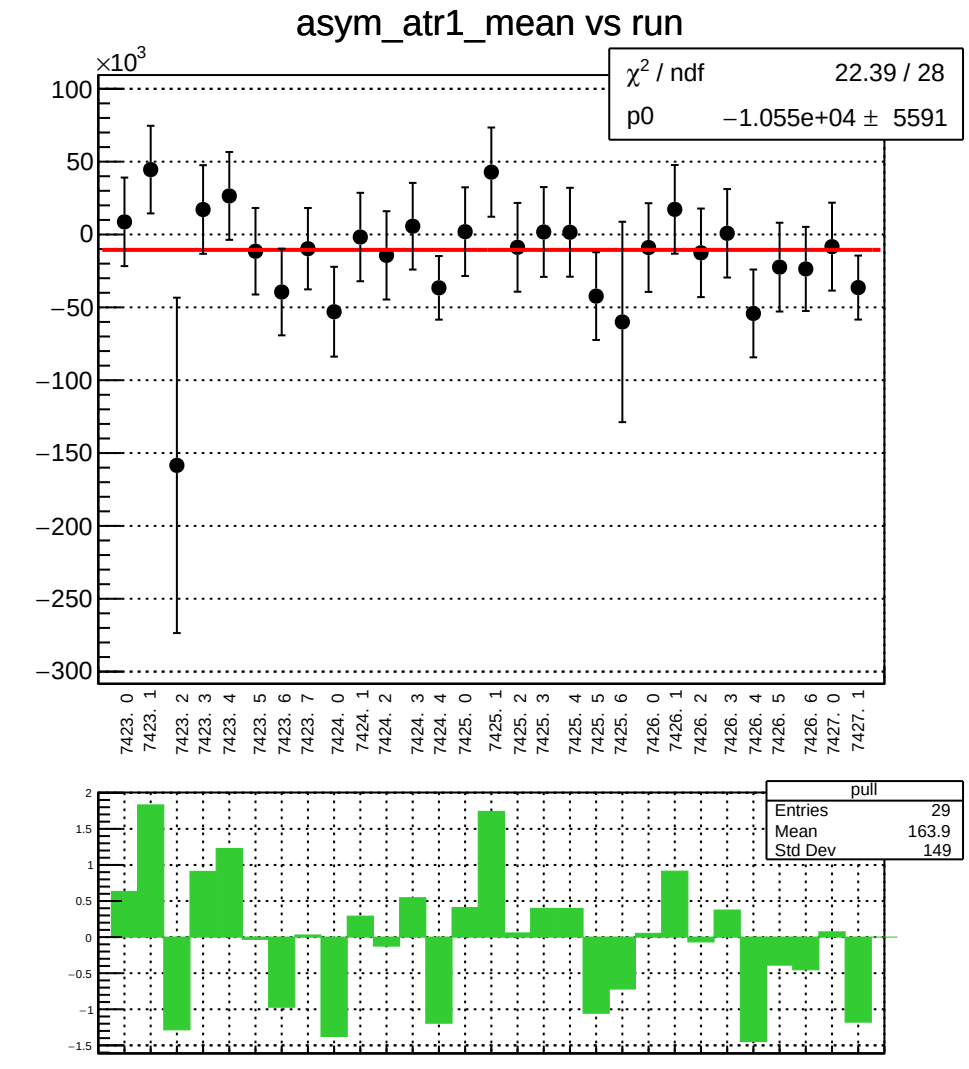

pull1D
Entries 29
Mean −0.01342
Std Dev 0.8833
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

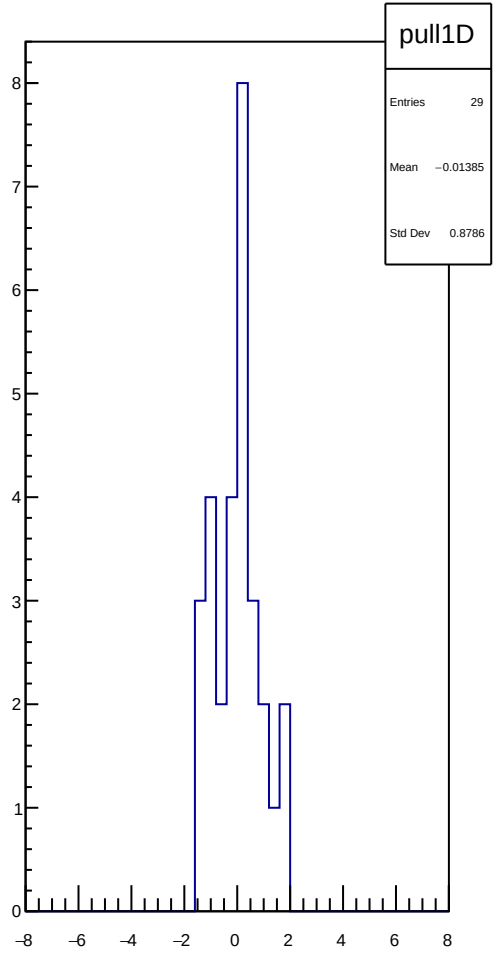

dit_asym_atr1_rms vs run
χ² / ndf 2.387e+04 / 28
p0 2828 ± 3.819
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

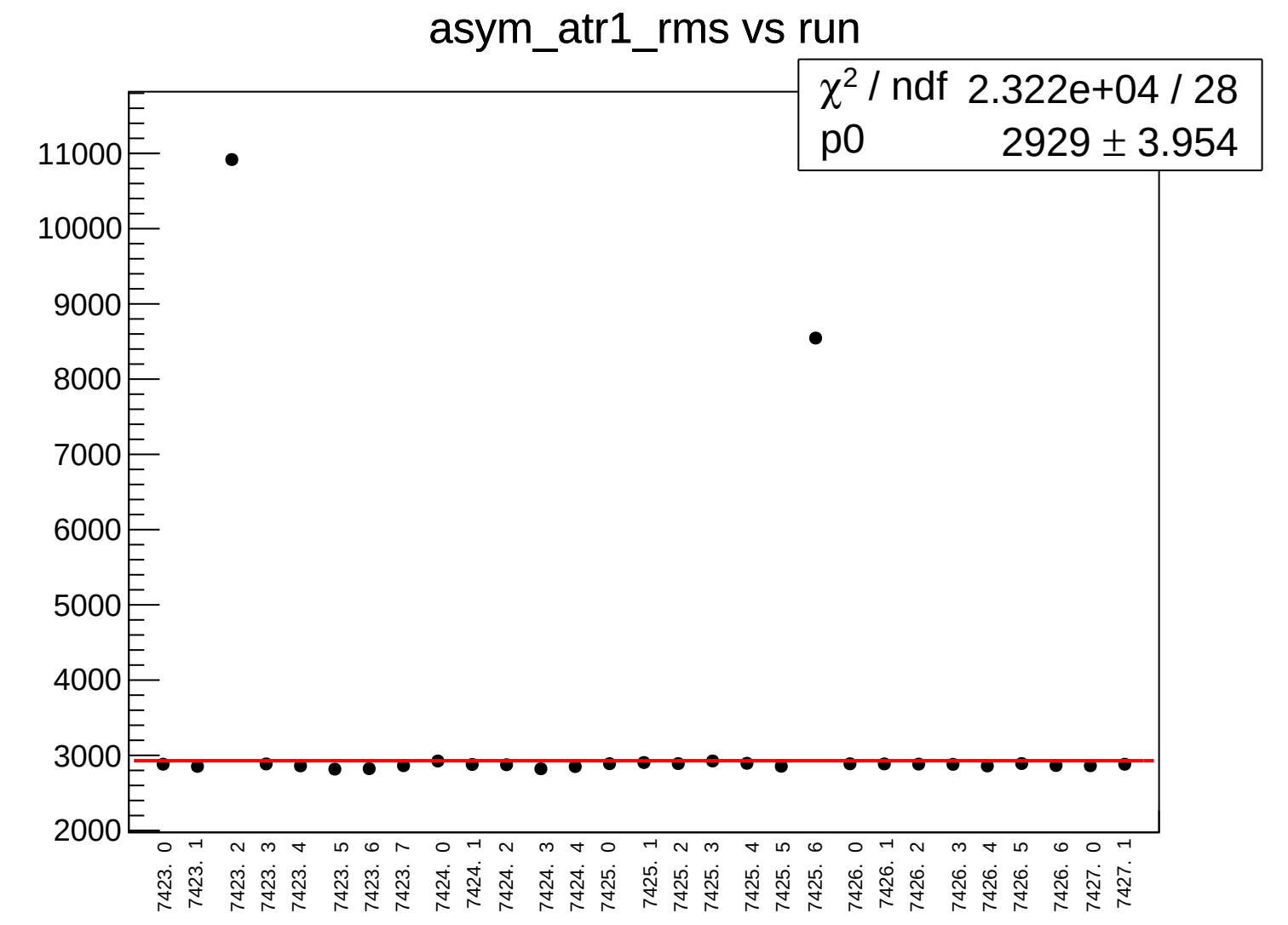

asym_atr1_correction_mean vs run
χ² / ndf 20.68 / 28
p0 1717 ± 1435
20000
10000
0
−10000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −827.4
Std Dev 840.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

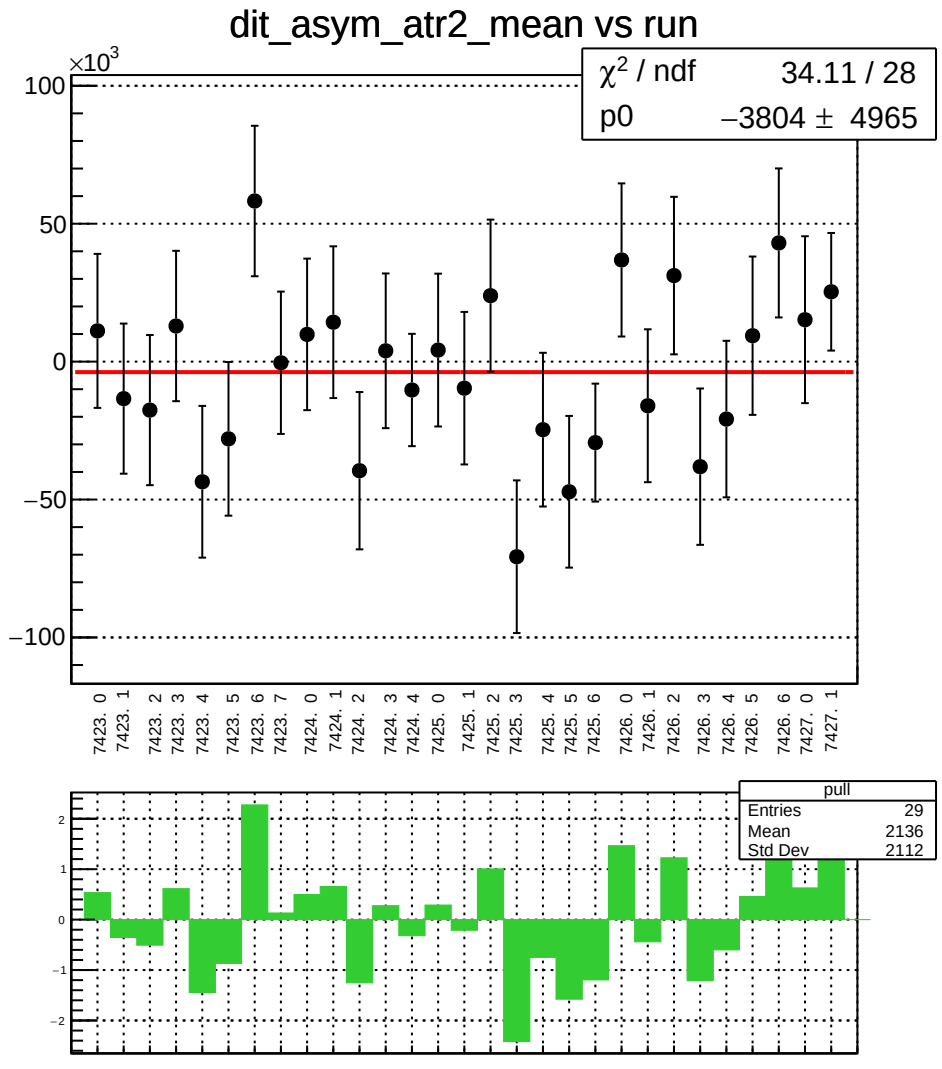

pull1D
Entries 29
Mean −0.002715
Std Dev 0.8444
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

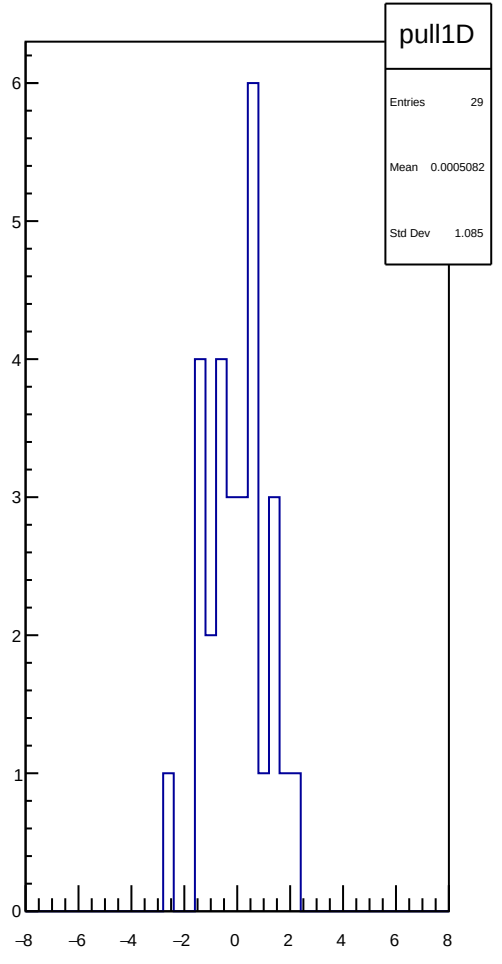

asym_atr1_correction_rms vs run
χ² / ndf 1256 / 28
p0 766.6 ± 1.015
840
820
800
780
760
740
720
700
680
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

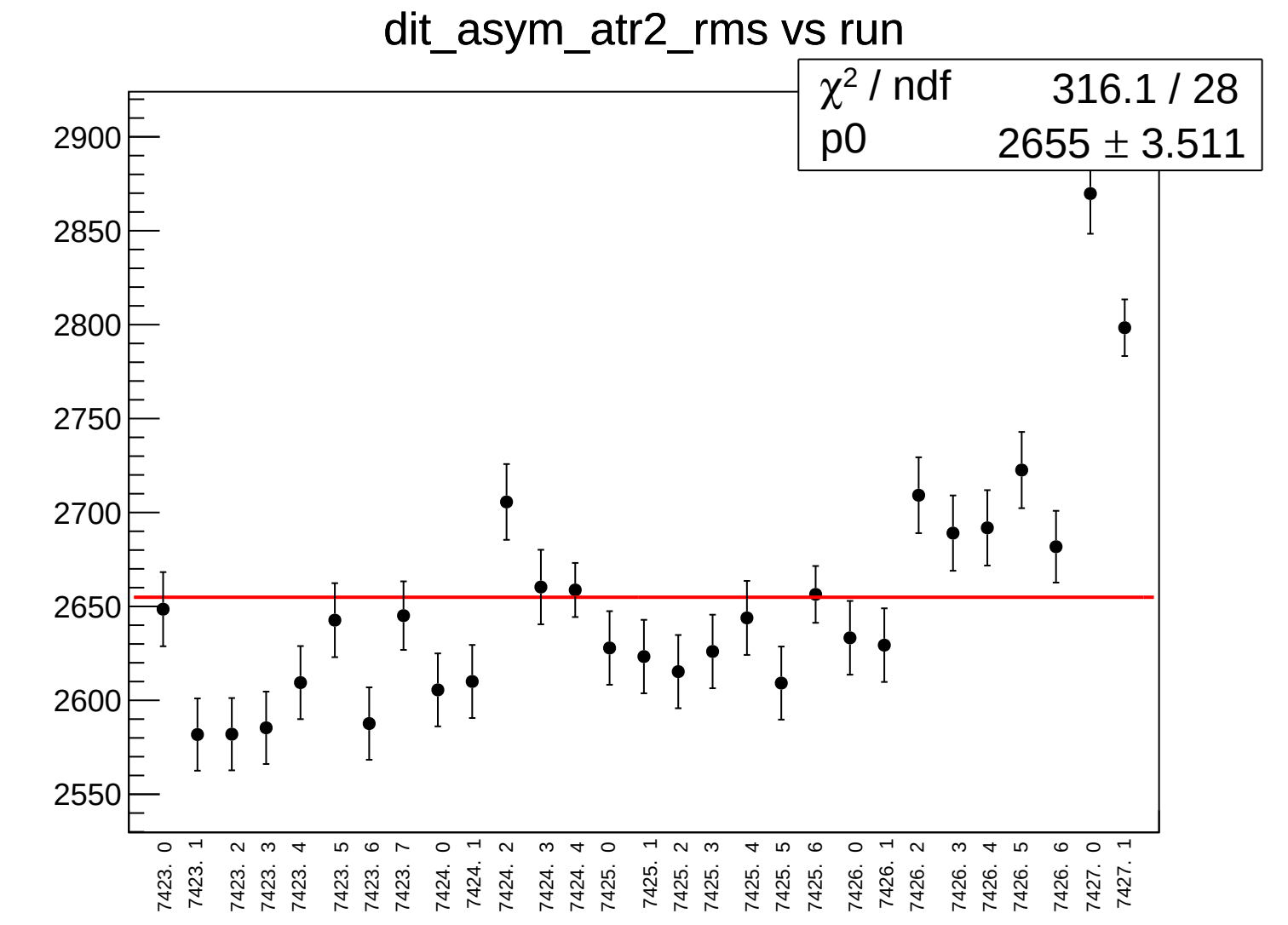

asym_atr1_mean vs run
×10^3
χ² / ndf 22.39 / 28
p0 −1.055e+04 ± 5591
100
50
0
−50
−100
−150
−200
−250
−300
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 163.9
Std Dev 149
2
1.5
1
0.5
0
−0.5
−1
−1.5

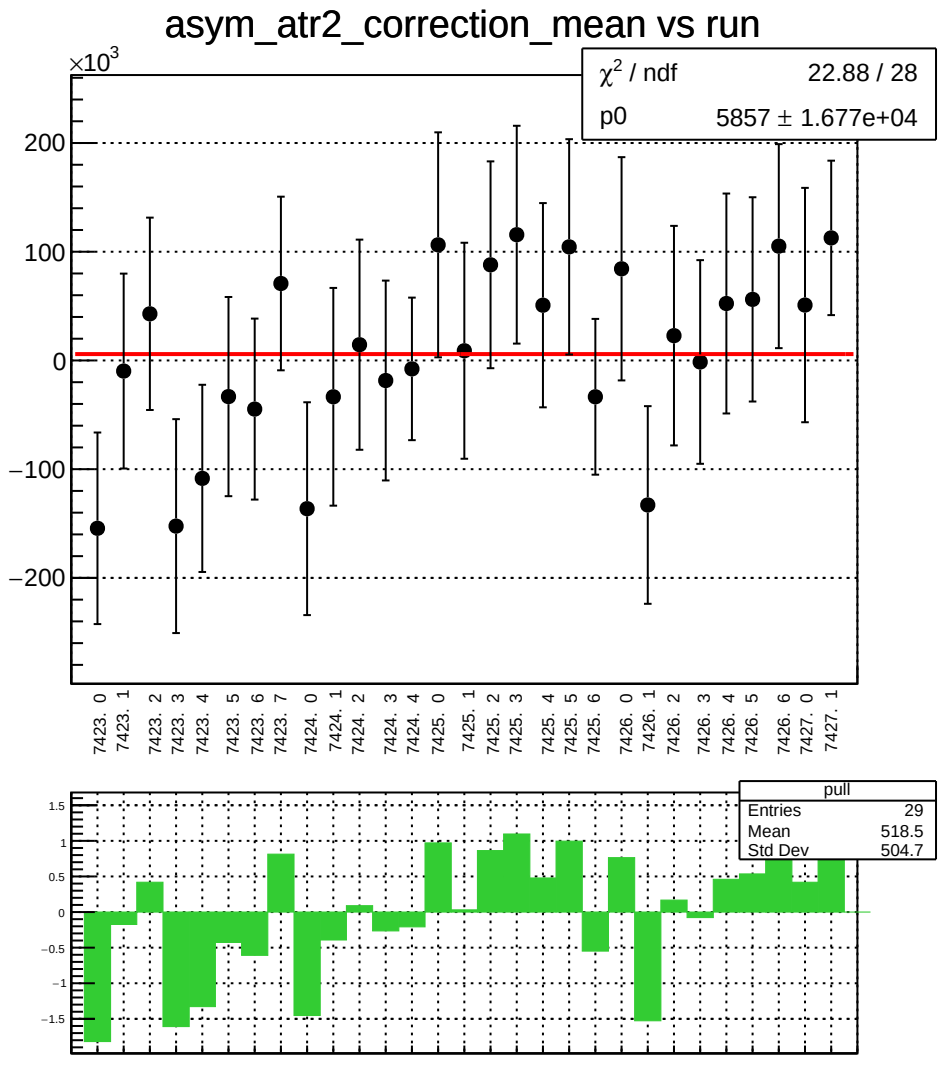

pull1D
Entries 29
Mean −0.01385
Std Dev 0.8786
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

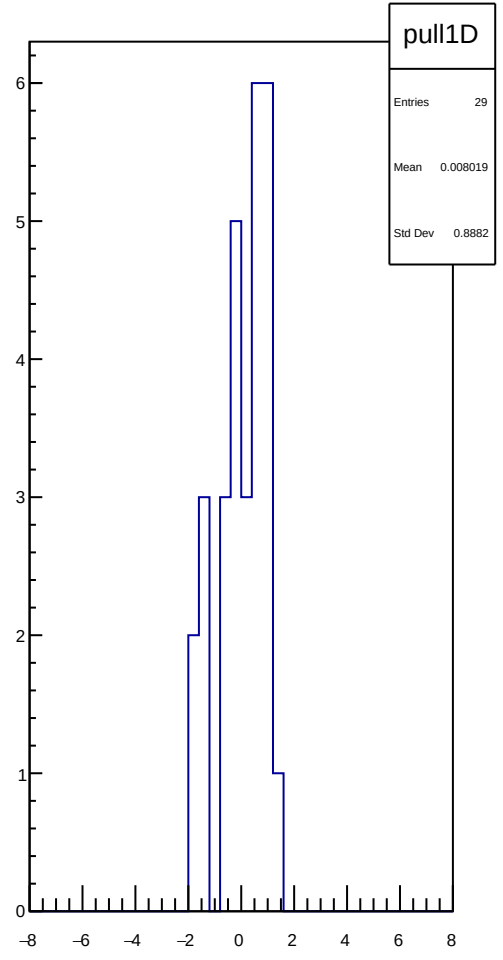

asym_atr1_rms vs run
χ² / ndf 2.322e+04 / 28
p0 2929 ± 3.954
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

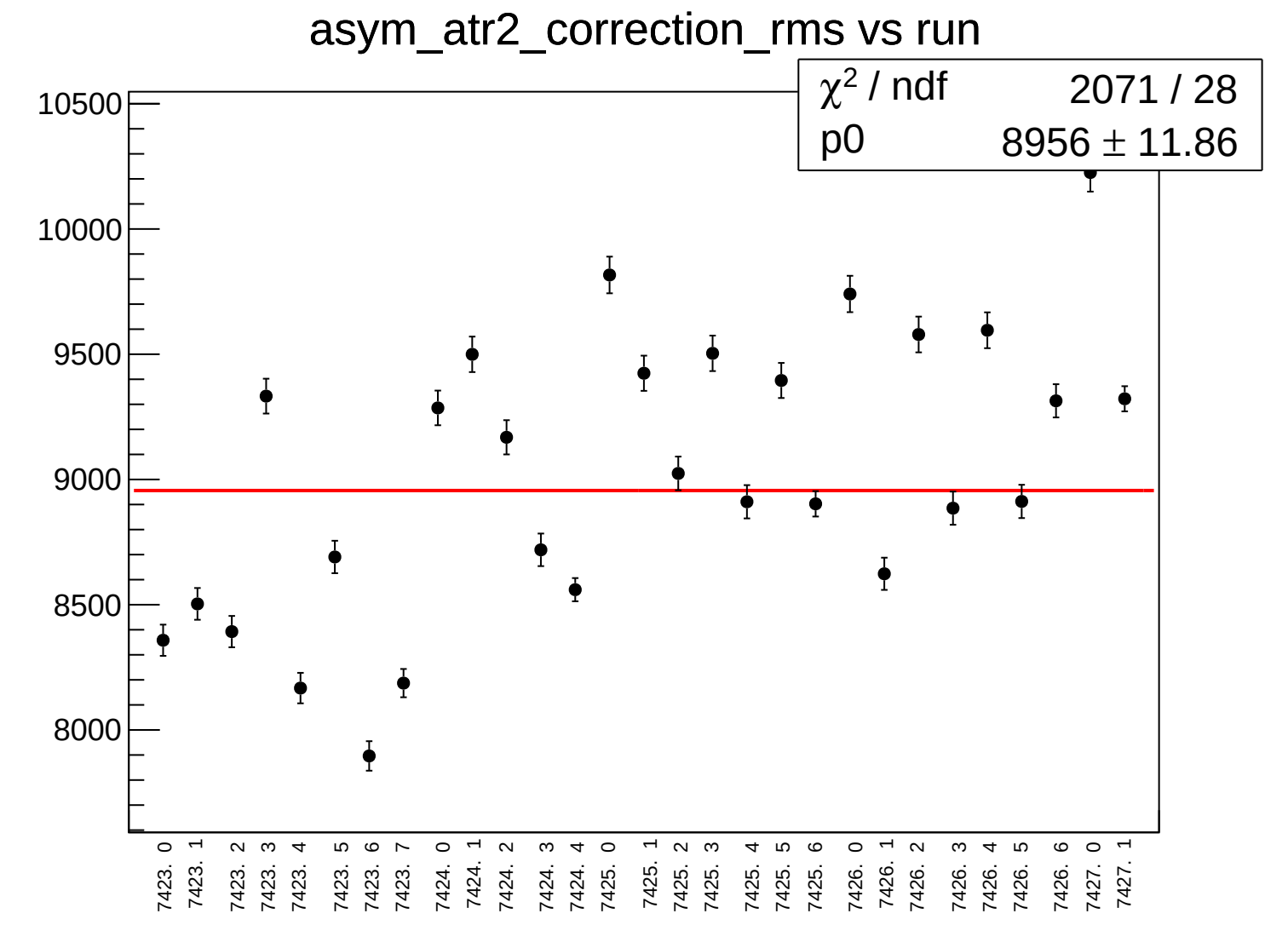

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 34.11 / 28
p0 −3804 ± 4965
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 2136
Std Dev 2112
2
1
0
−1
−2

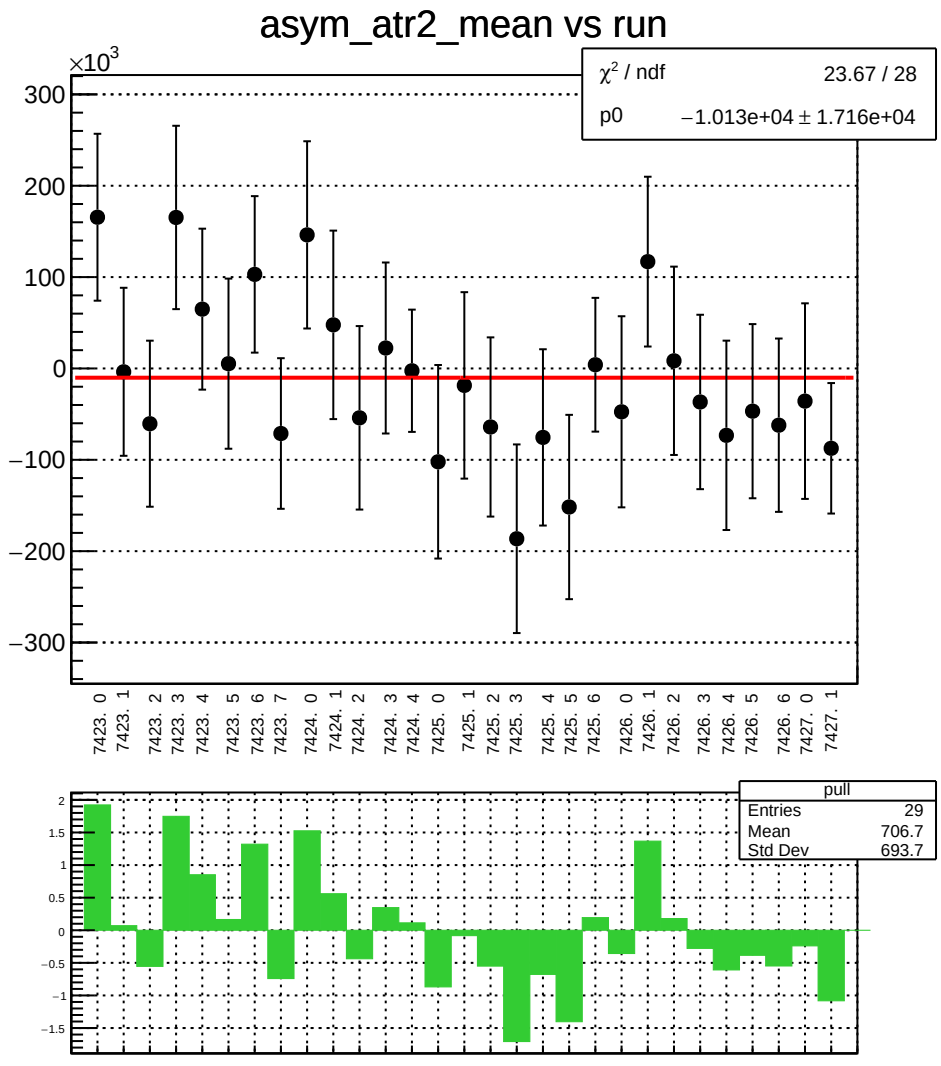

pull1D
Entries 29
Mean 0.0005082
Std Dev 1.085
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

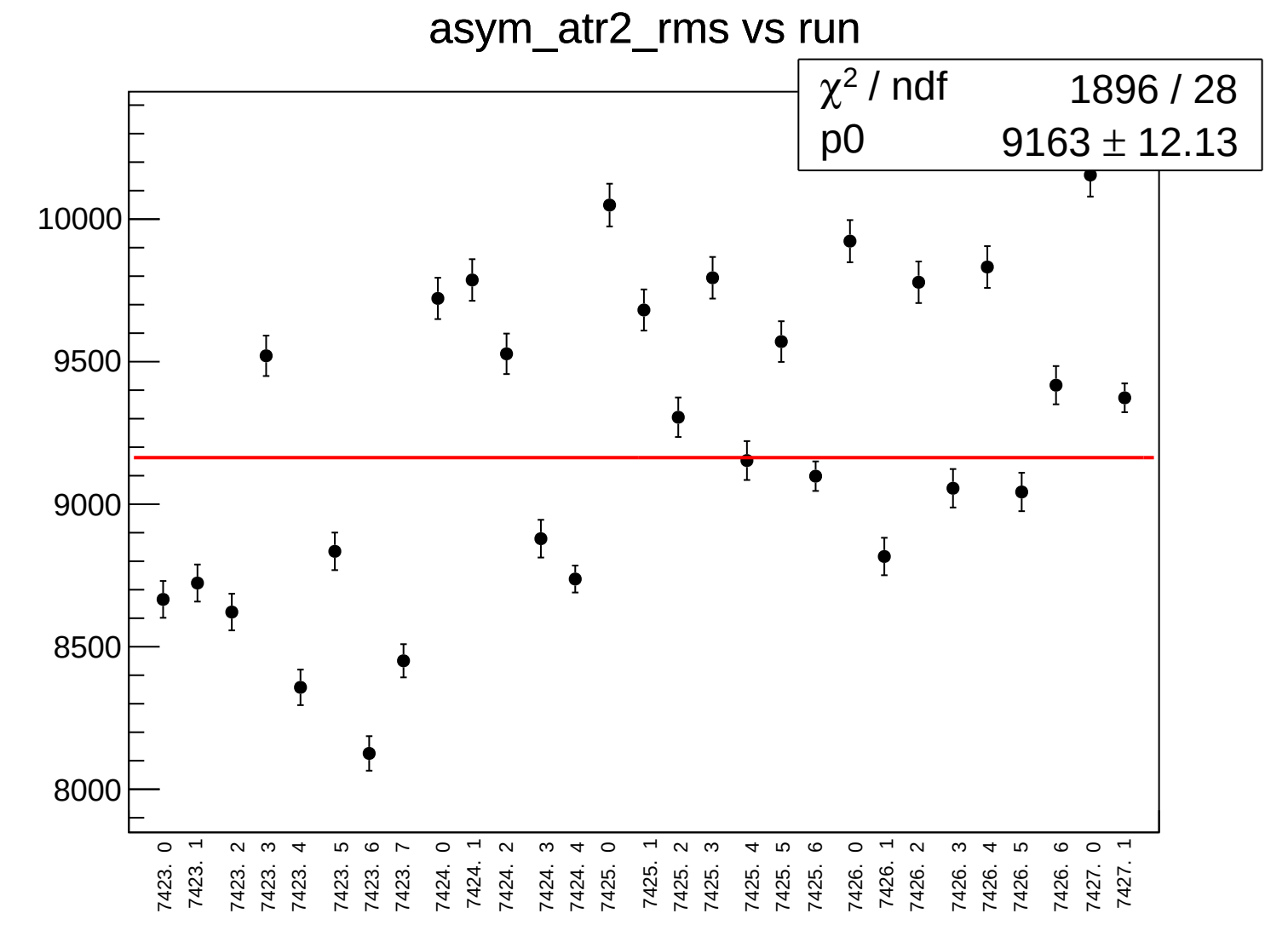

dit_asym_atr2_rms vs run
χ² / ndf 316.1 / 28
p0 2655 ± 3.511
2900
2850
2800
2750
2700
2650
2600
2550
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

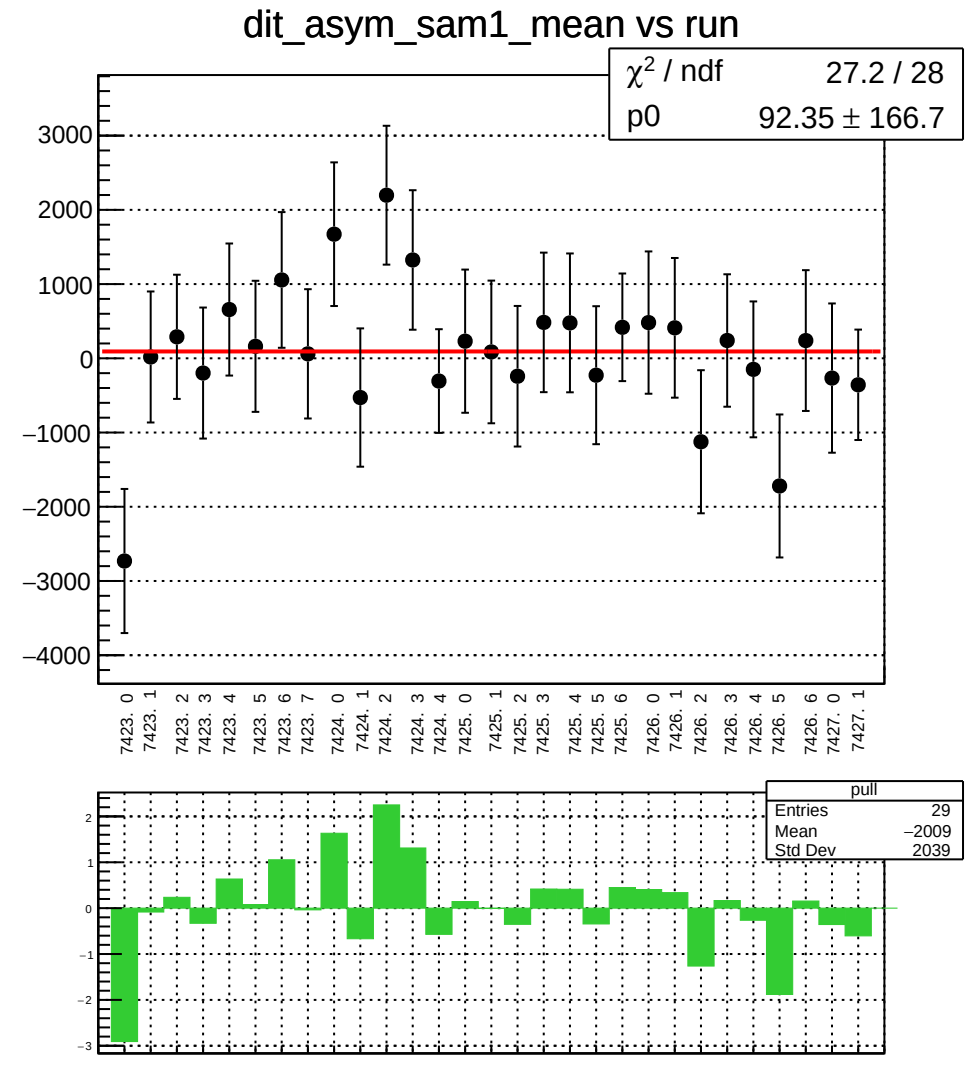

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 22.88 / 28
p0 5857 ± 1.677e+04
200
100
0
−100
−200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 518.5
Std Dev 504.7
1.5
1
0.5
0
−0.5
−1
−1.5

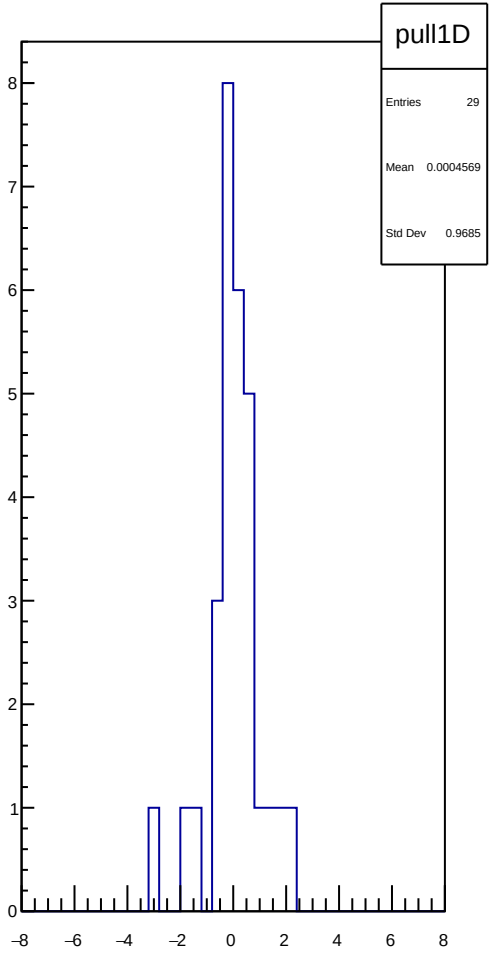

pull1D
Entries 29
Mean 0.008019
Std Dev 0.8882
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

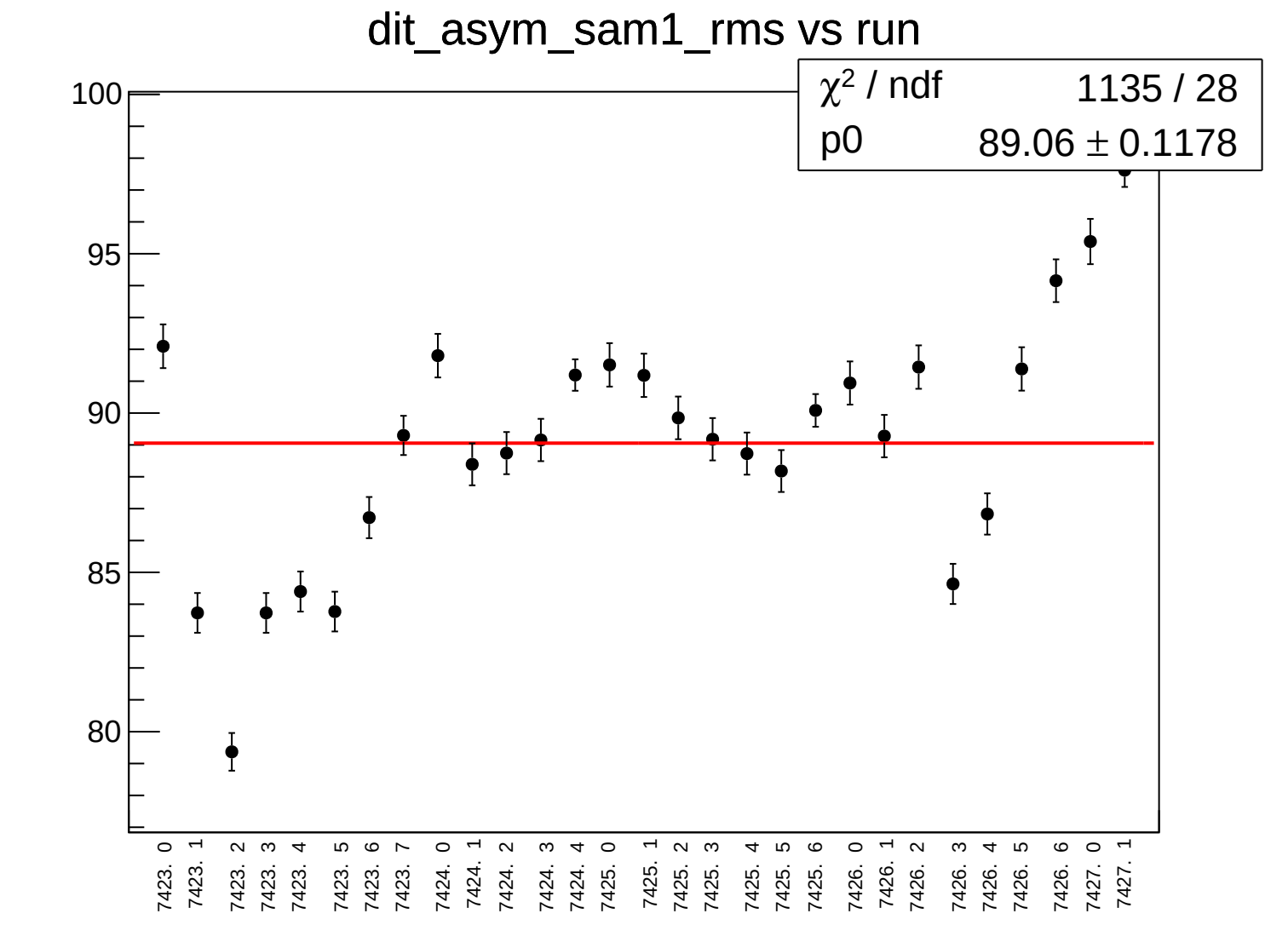

asym_atr2_correction_rms vs run
χ² / ndf 2071 / 28
p0 8956 ± 11.86
10500
10000
9500
9000
8500
8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

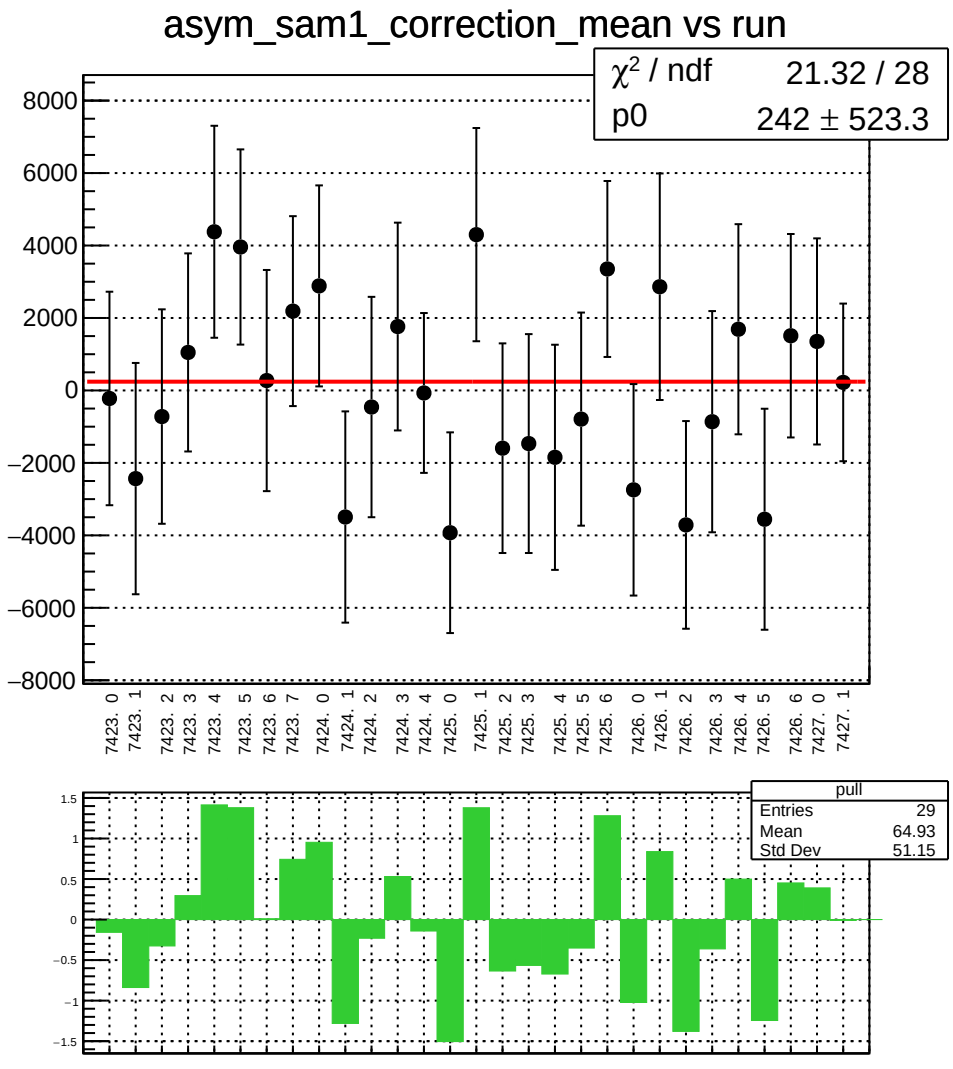

asym_atr2_mean vs run
×10^3
χ² / ndf 23.67 / 28
p0 −1.013e+04 ± 1.716e+04
300
200
100
0
−100
−200
−300
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 706.7
Std Dev 693.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.005272
Std Dev 0.9035
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

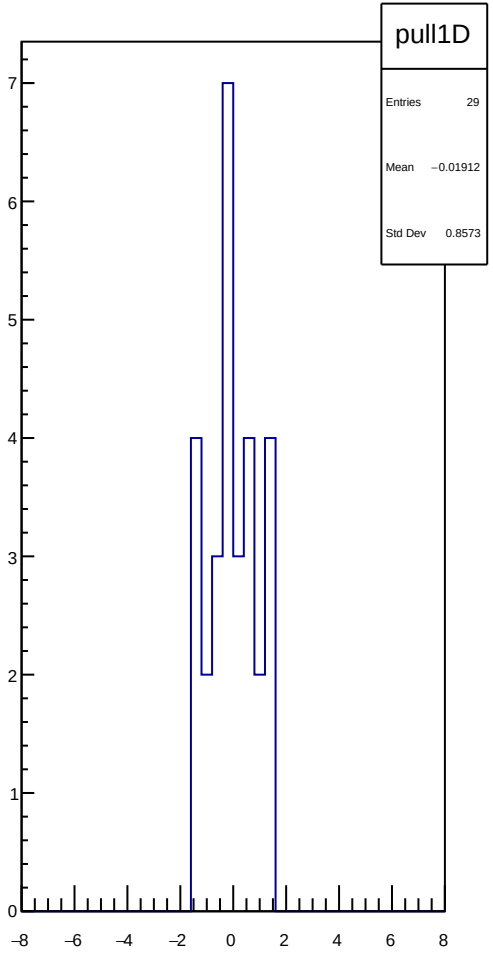

asym_atr2_rms vs run
χ² / ndf 1896 / 28
p0 9163 ± 12.13
10000
9500
9000
8500
8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

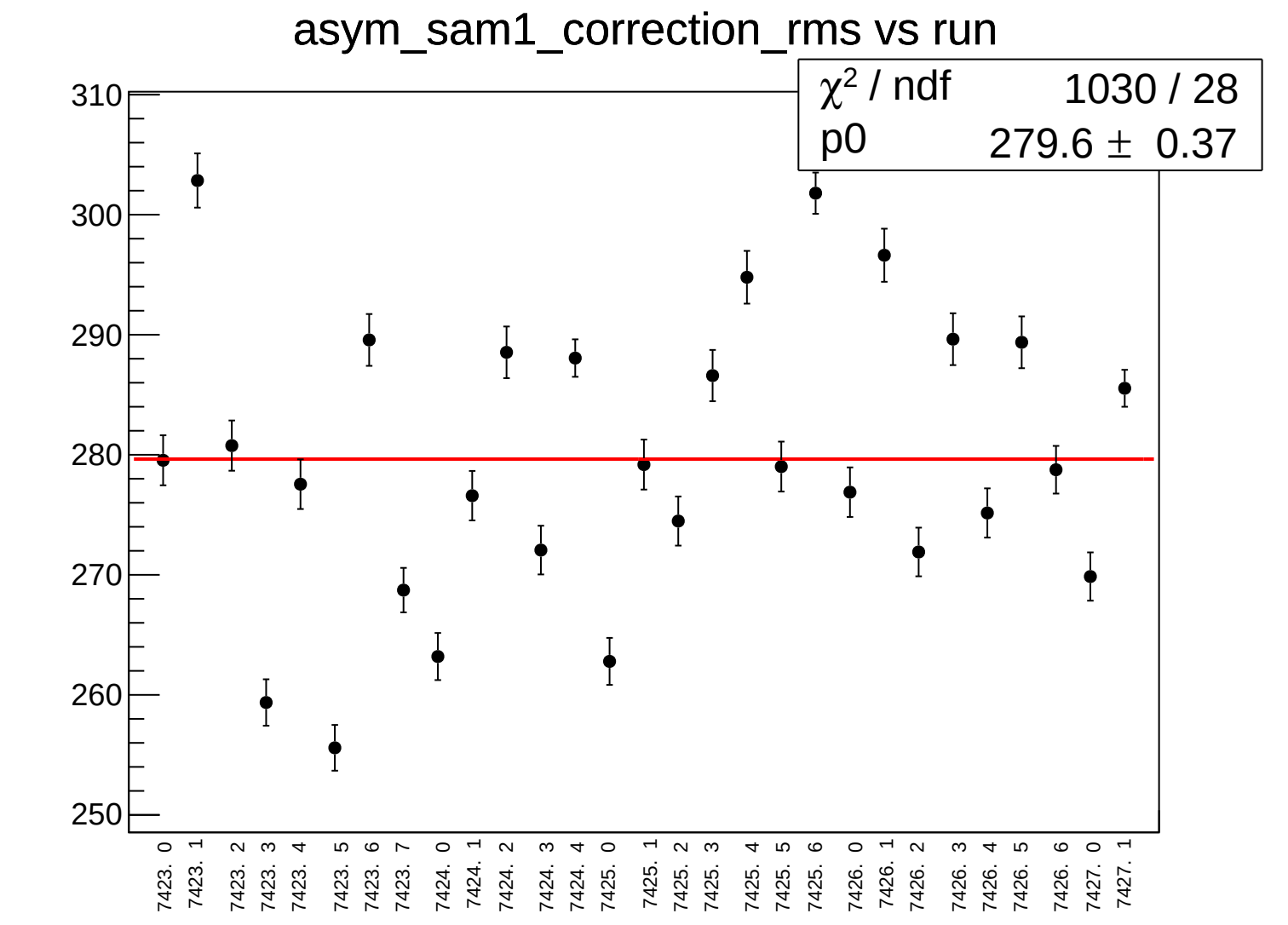

dit_asym_sam1_mean vs run
χ² / ndf 27.2 / 28
p0 92.35 ± 166.7
3000
2000
1000
0
−1000
−2000
−3000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −2009
Std Dev 2039
2
1
0
−1
−2
−3

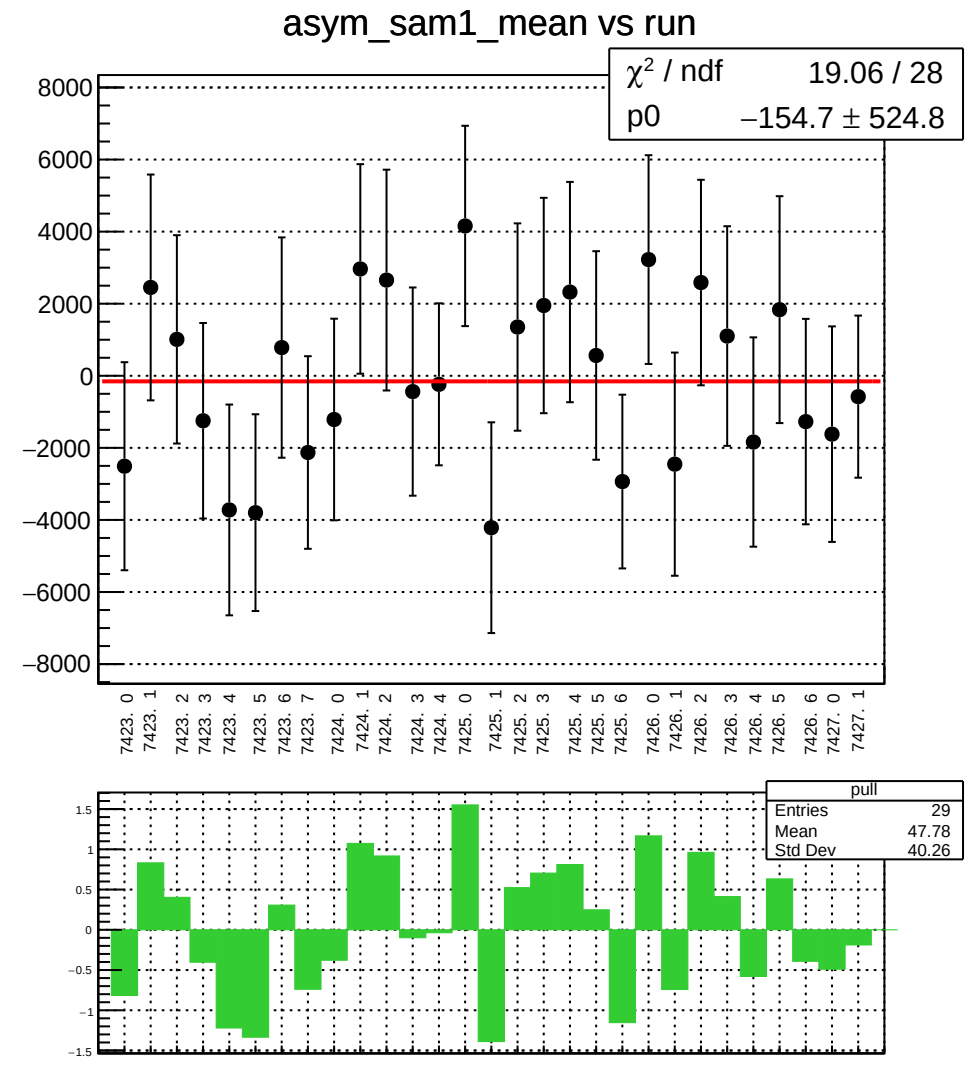

pull1D
Entries 29
Mean 0.0004569
Std Dev 0.9685
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

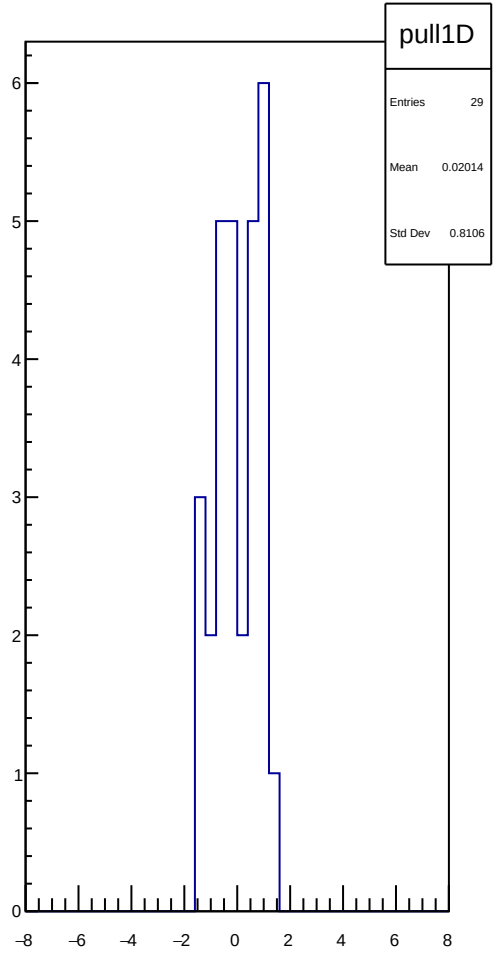

dit_asym_sam1_rms vs run
χ² / ndf 1135 / 28
p0 89.06 ± 0.1178
100
95
90
85
80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

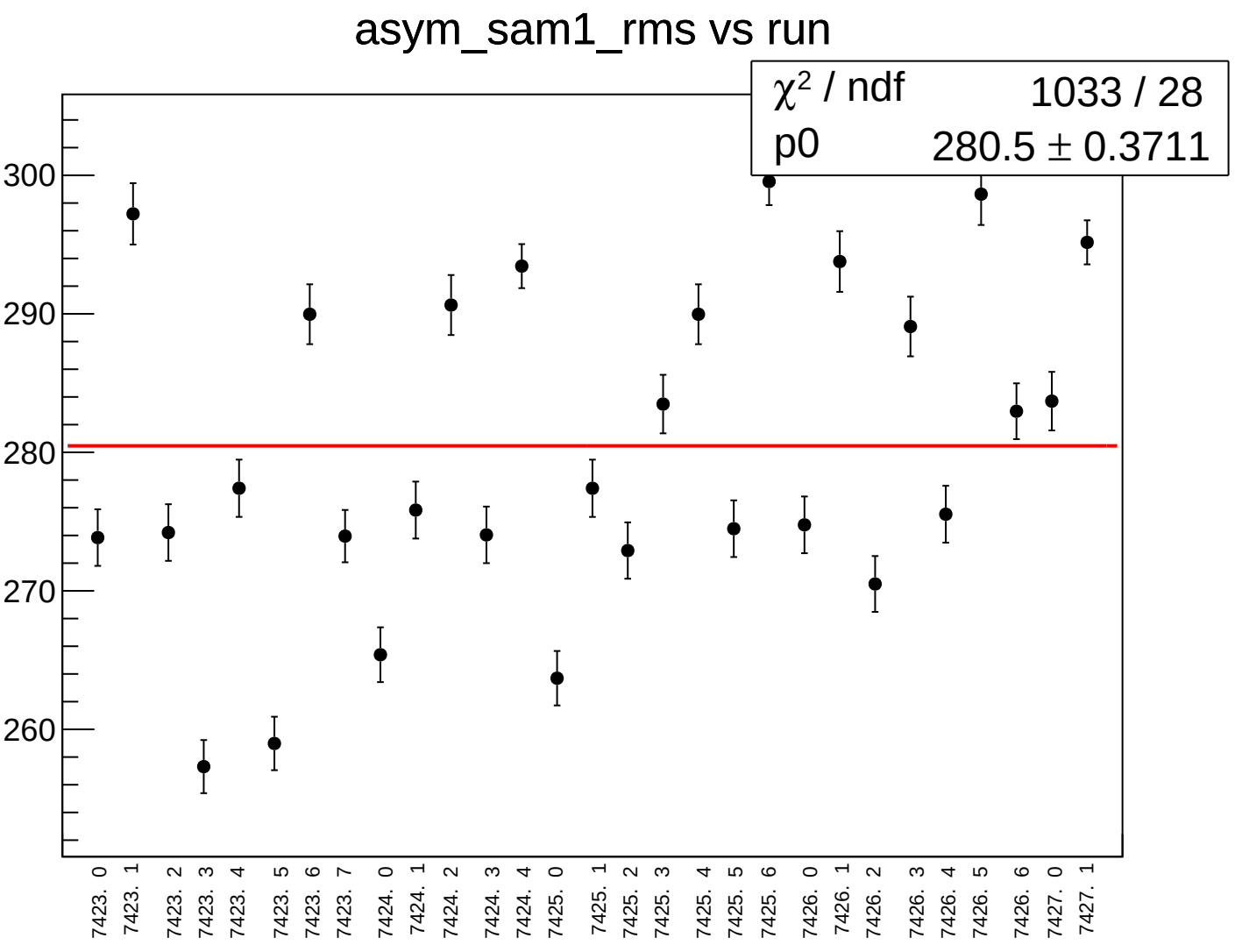

asym_sam1_correction_mean vs run
χ² / ndf 21.32 / 28
p0 242 ± 523.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 64.93
Std Dev 51.15
1.5
1
0.5
0
−0.5
−1
−1.5

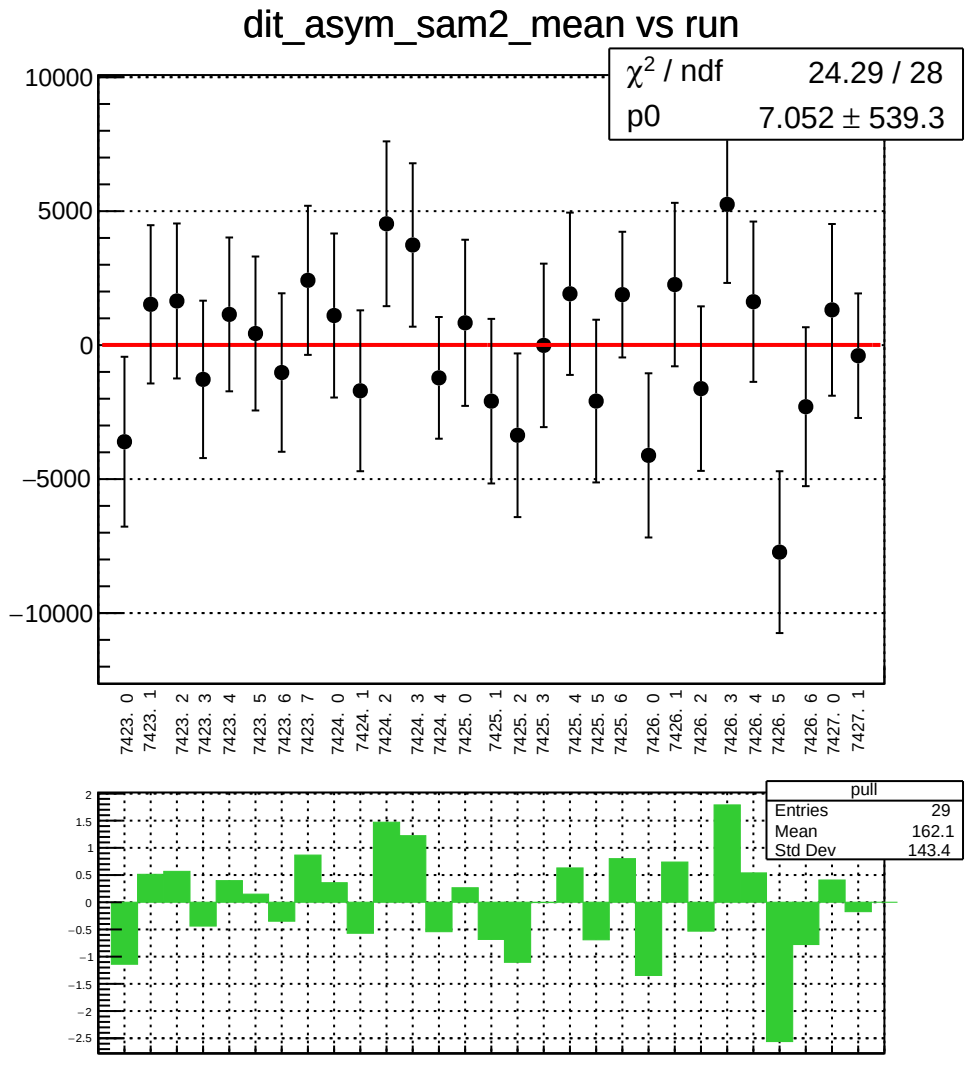

pull1D
Entries 29
Mean −0.01912
Std Dev 0.8573
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

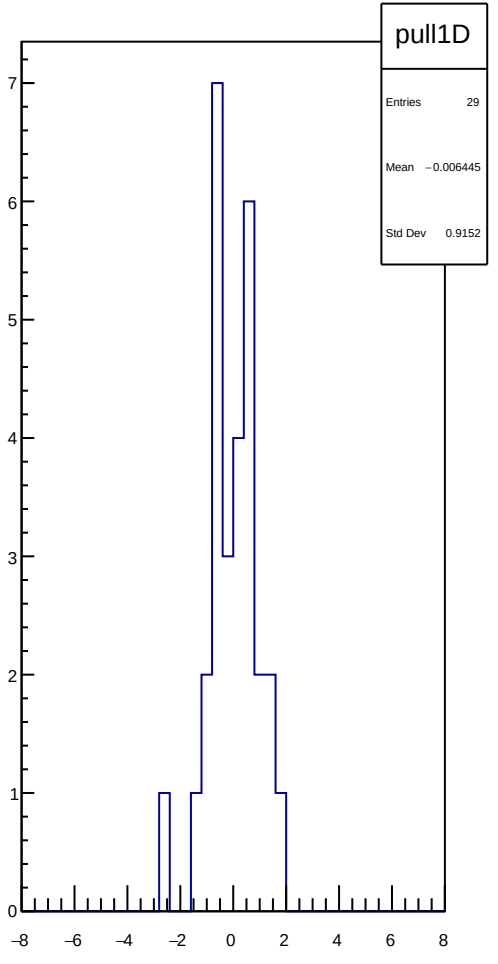

asym_sam1_correction_rms vs run
χ² / ndf 1030 / 28
p0 279.6 ± 0.37
310
300
290
280
270
260
250
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

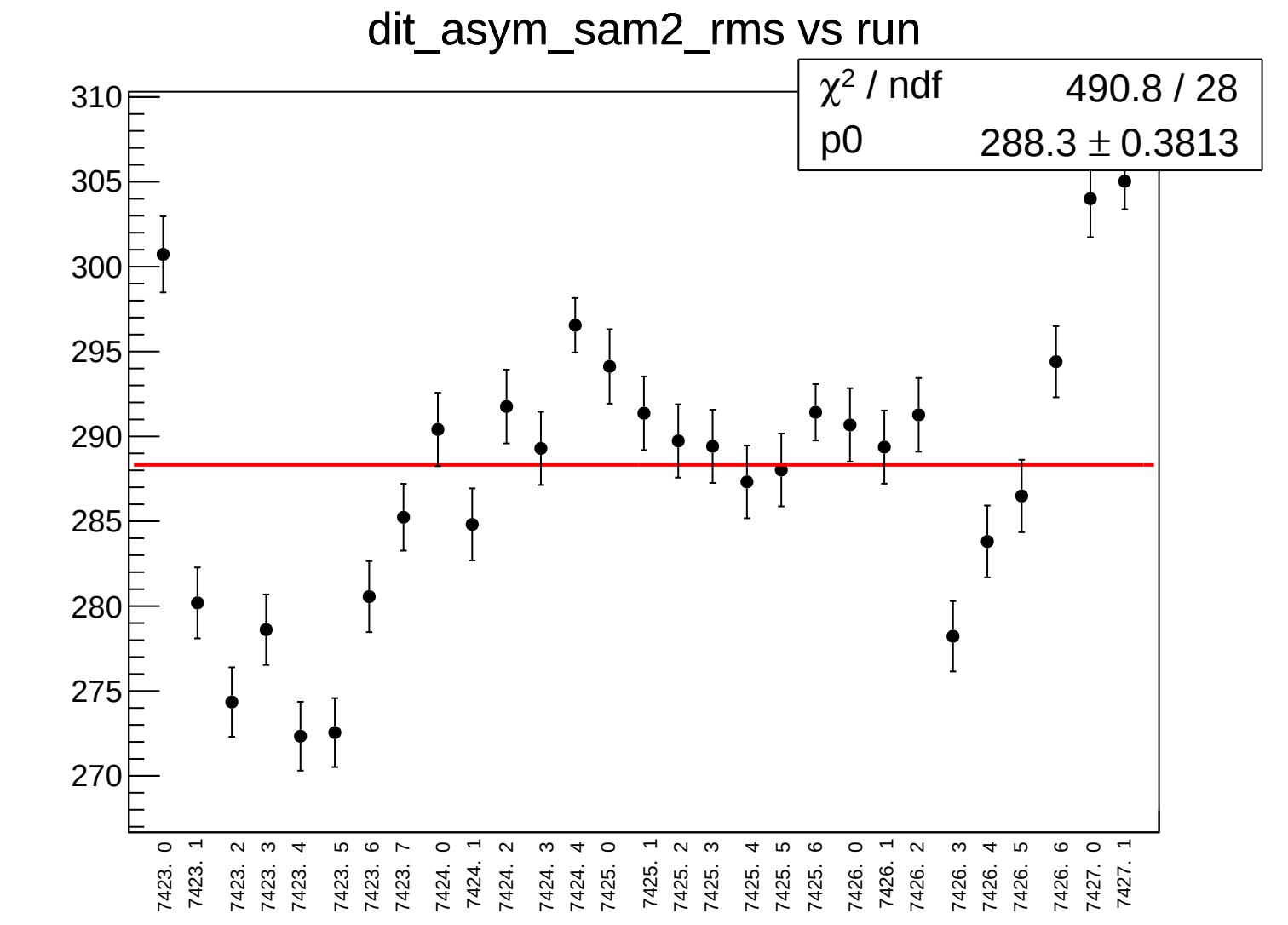

asym_sam1_mean vs run
χ² / ndf 19.06 / 28
p0 −154.7 ± 524.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 47.78
Std Dev 40.26
1.5
1
0.5
0
−0.5
−1
−1.5

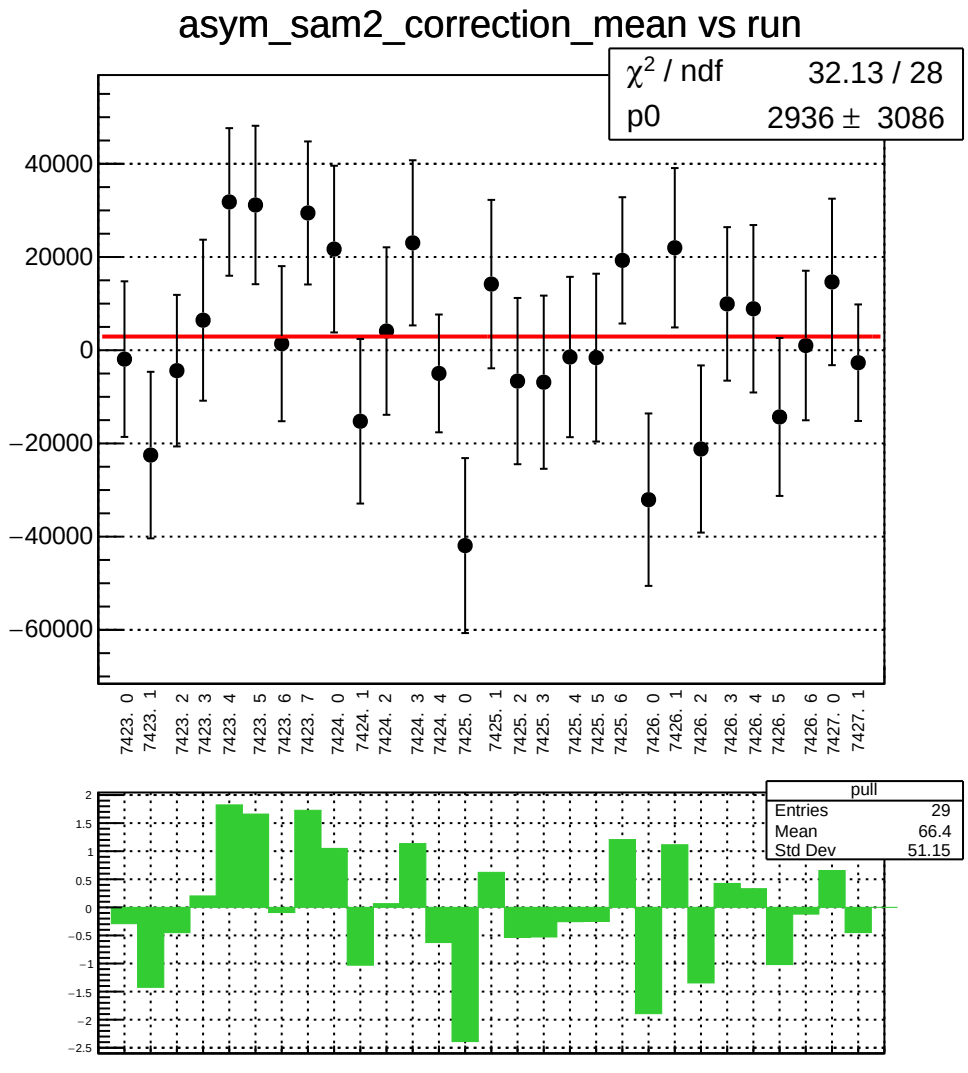

pull1D
Entries 29
Mean 0.02014
Std Dev 0.8106
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

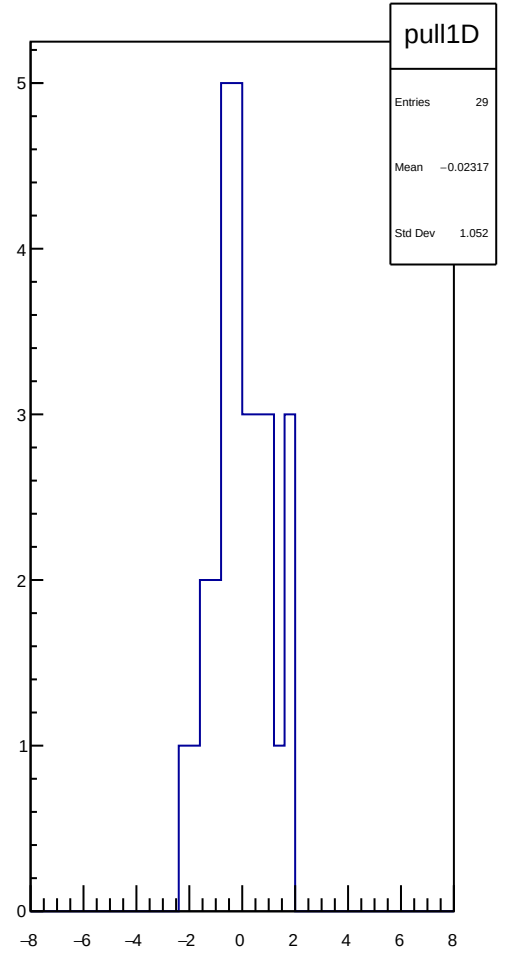

asym_sam1_rms vs run
χ² / ndf 1033 / 28
p0 280.5 ± 0.3711
300
290
280
270
260
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

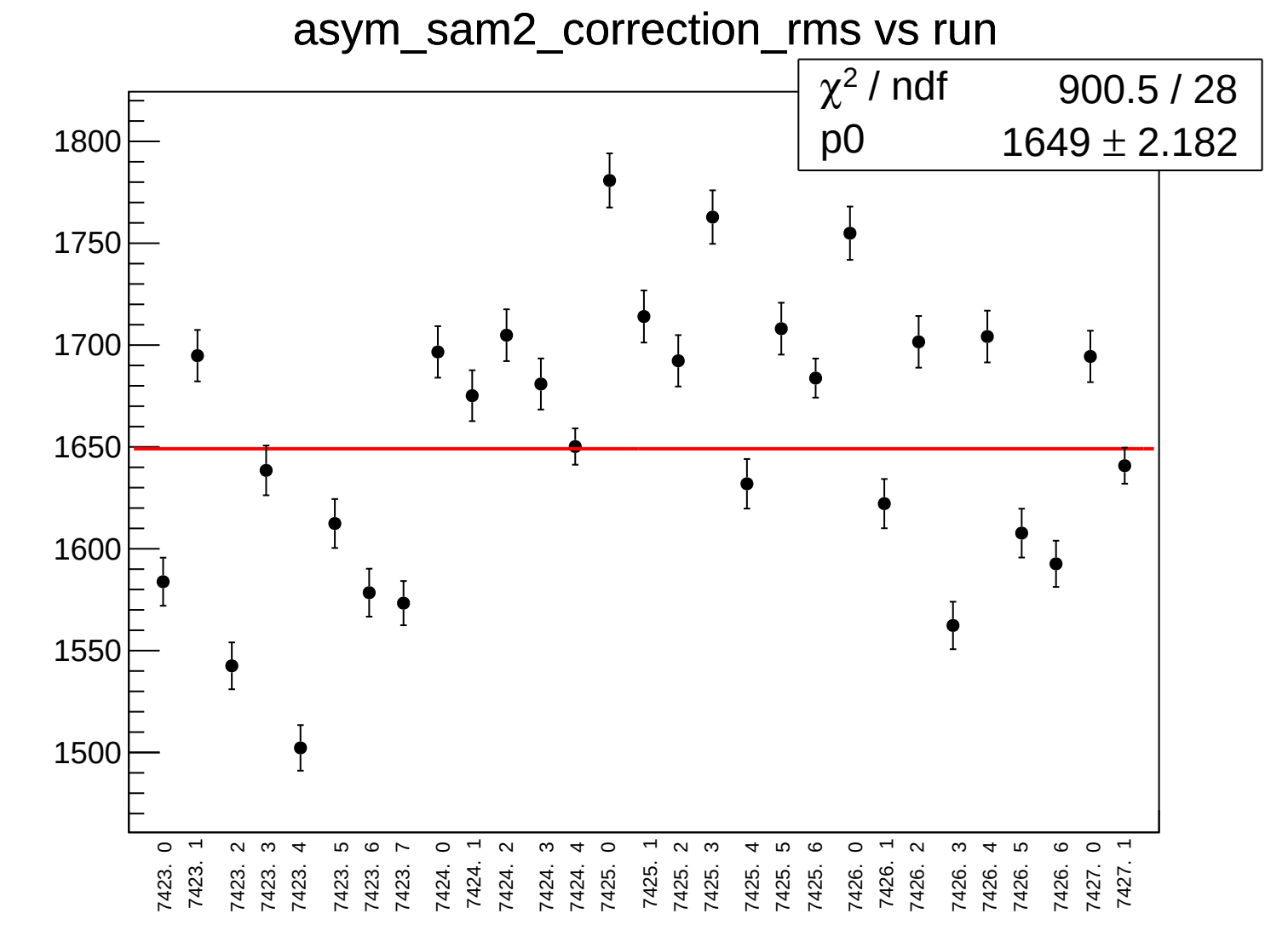

dit_asym_sam2_mean vs run
χ² / ndf 24.29 / 28
p0 7.052 ± 539.3
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 162.1
Std Dev 143.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

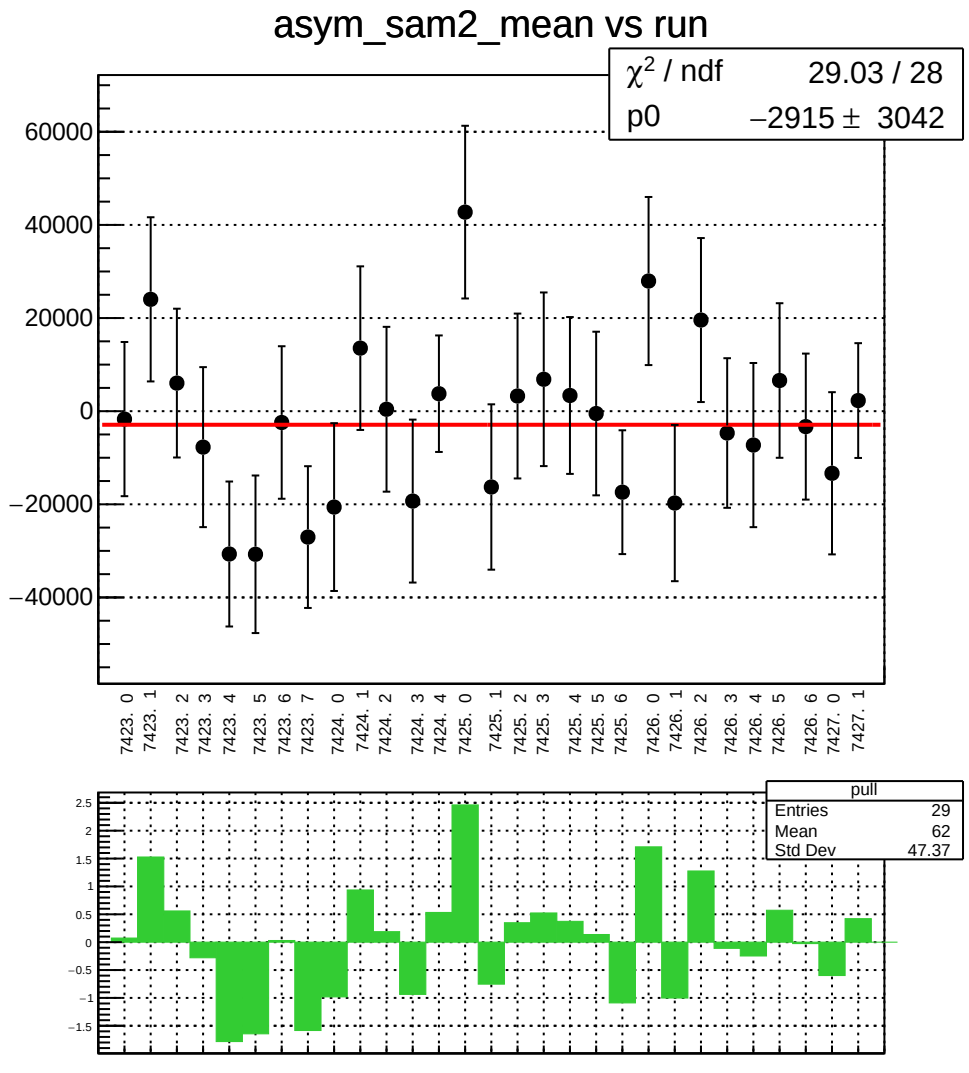

pull1D
Entries 29
Mean −0.006445
Std Dev 0.9152
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

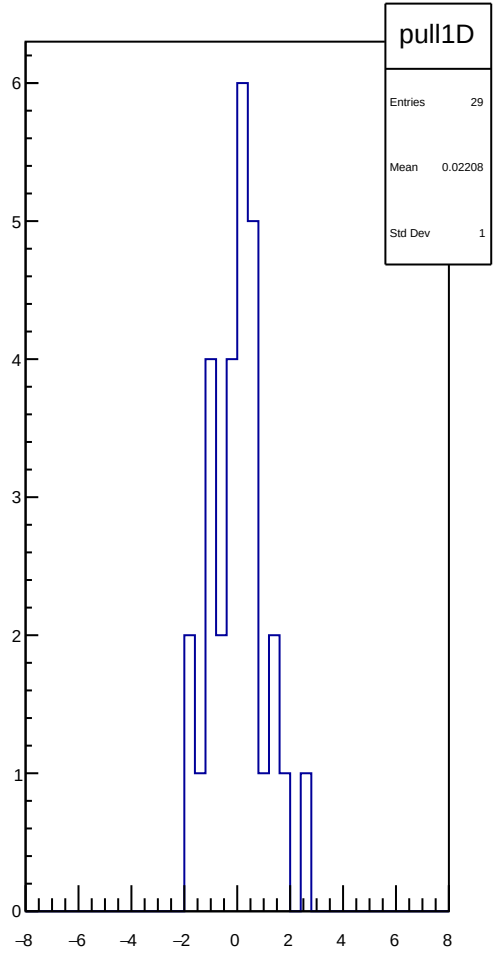

dit_asym_sam2_rms vs run
χ² / ndf 490.8 / 28
p0 288.3 ± 0.3813
310
305
300
295
290
285
280
275
270
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

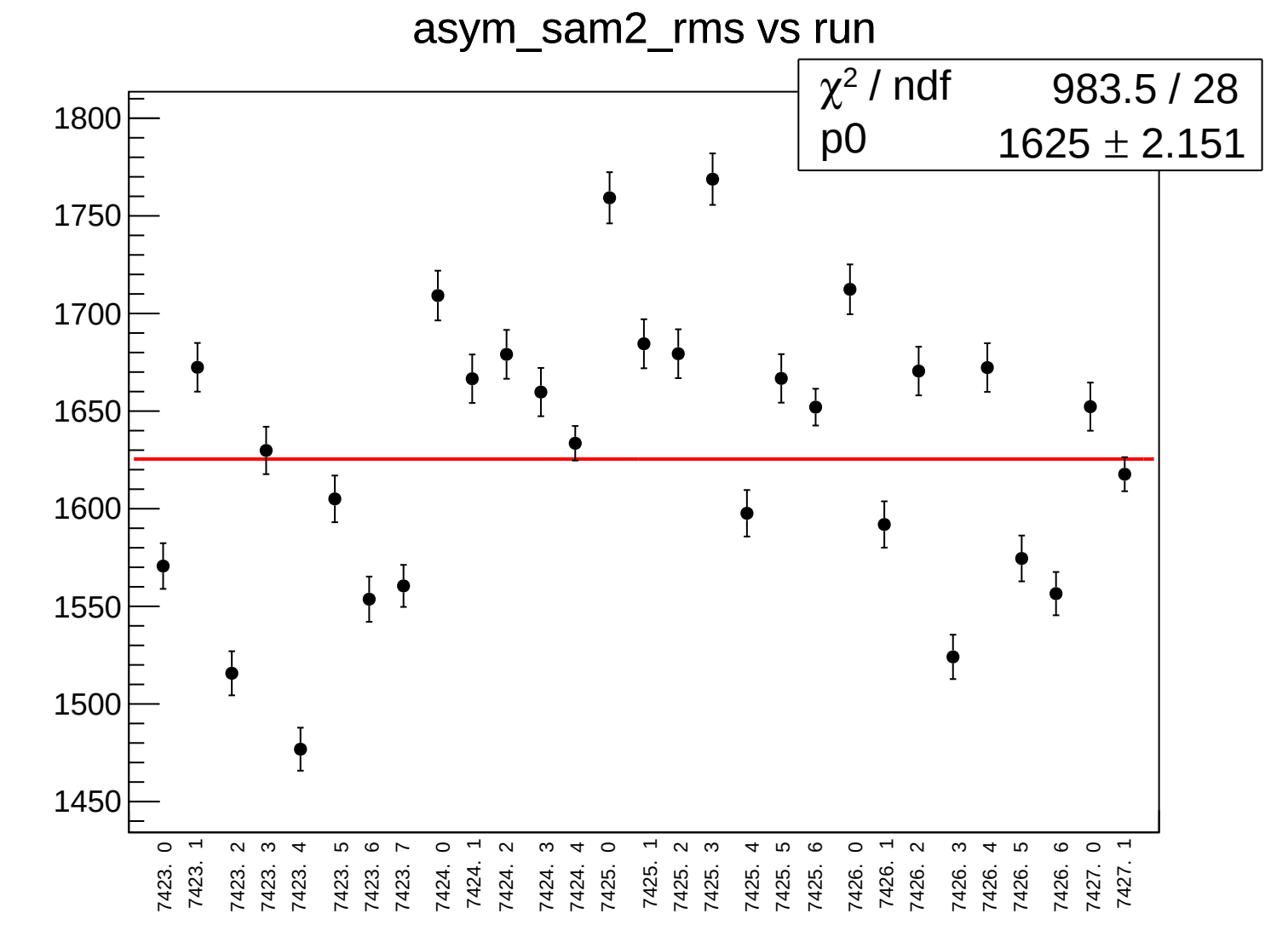

asym_sam2_correction_mean vs run
χ² / ndf 32.13 / 28
p0 2936 ± 3086
40000
20000
0
−20000
−40000
−60000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 66.4
Std Dev 51.15
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

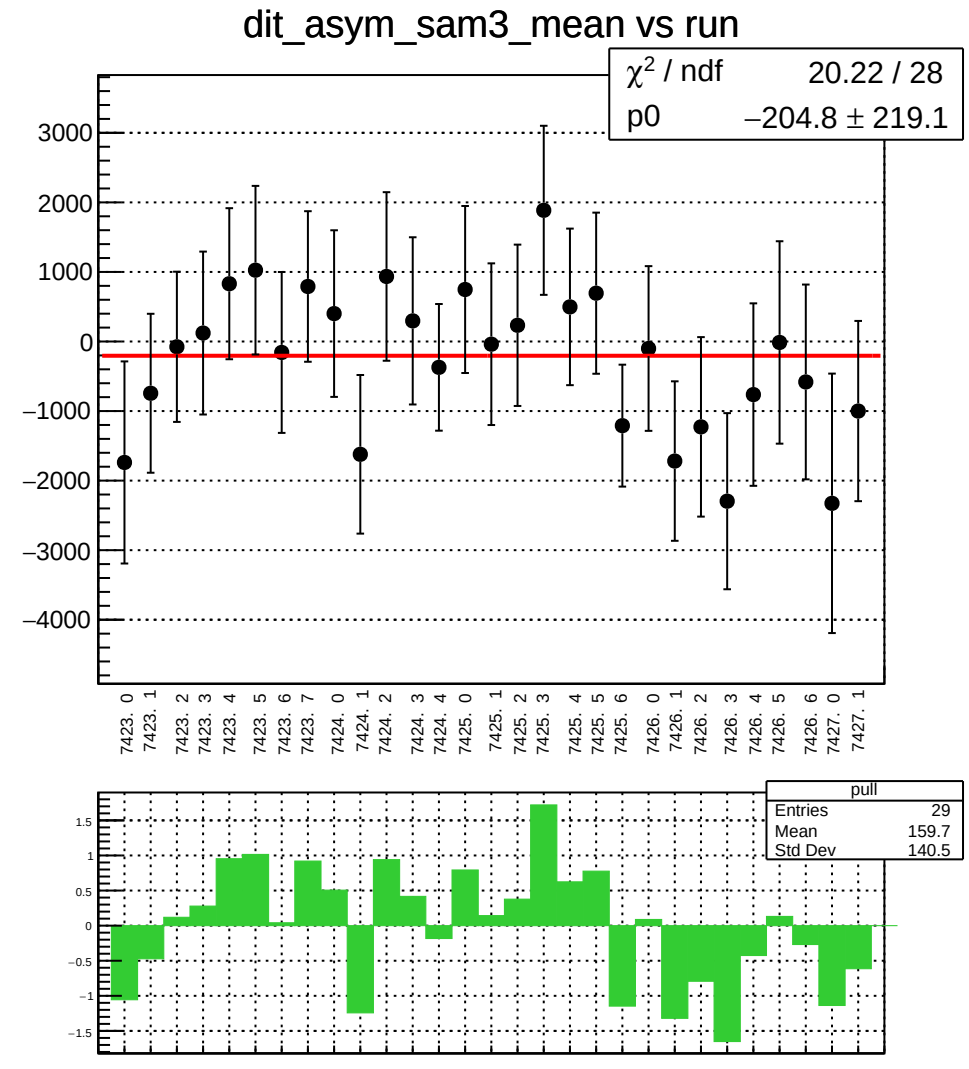

pull1D
Entries 29
Mean −0.02317
Std Dev 1.052
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

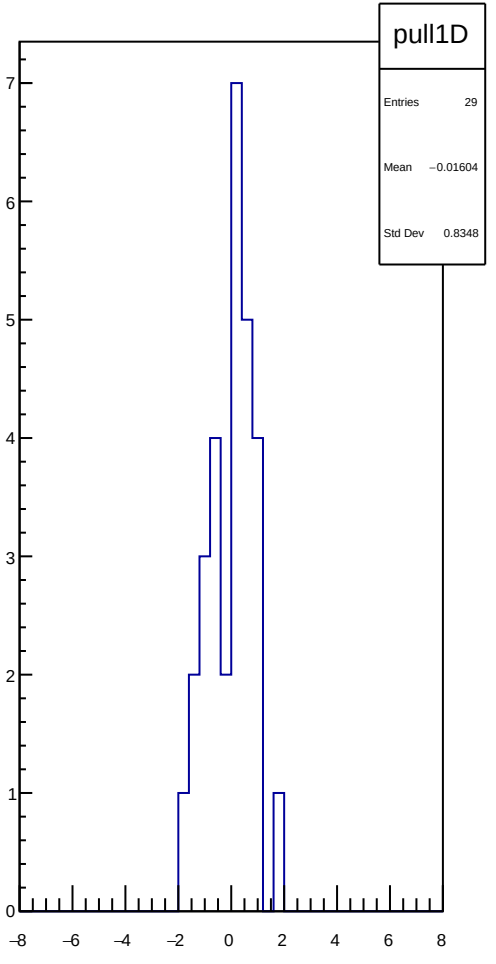

asym_sam2_correction_rms vs run
χ² / ndf 900.5 / 28
p0 1649 ± 2.182
1800
1750
1700
1650
1600
1550
1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

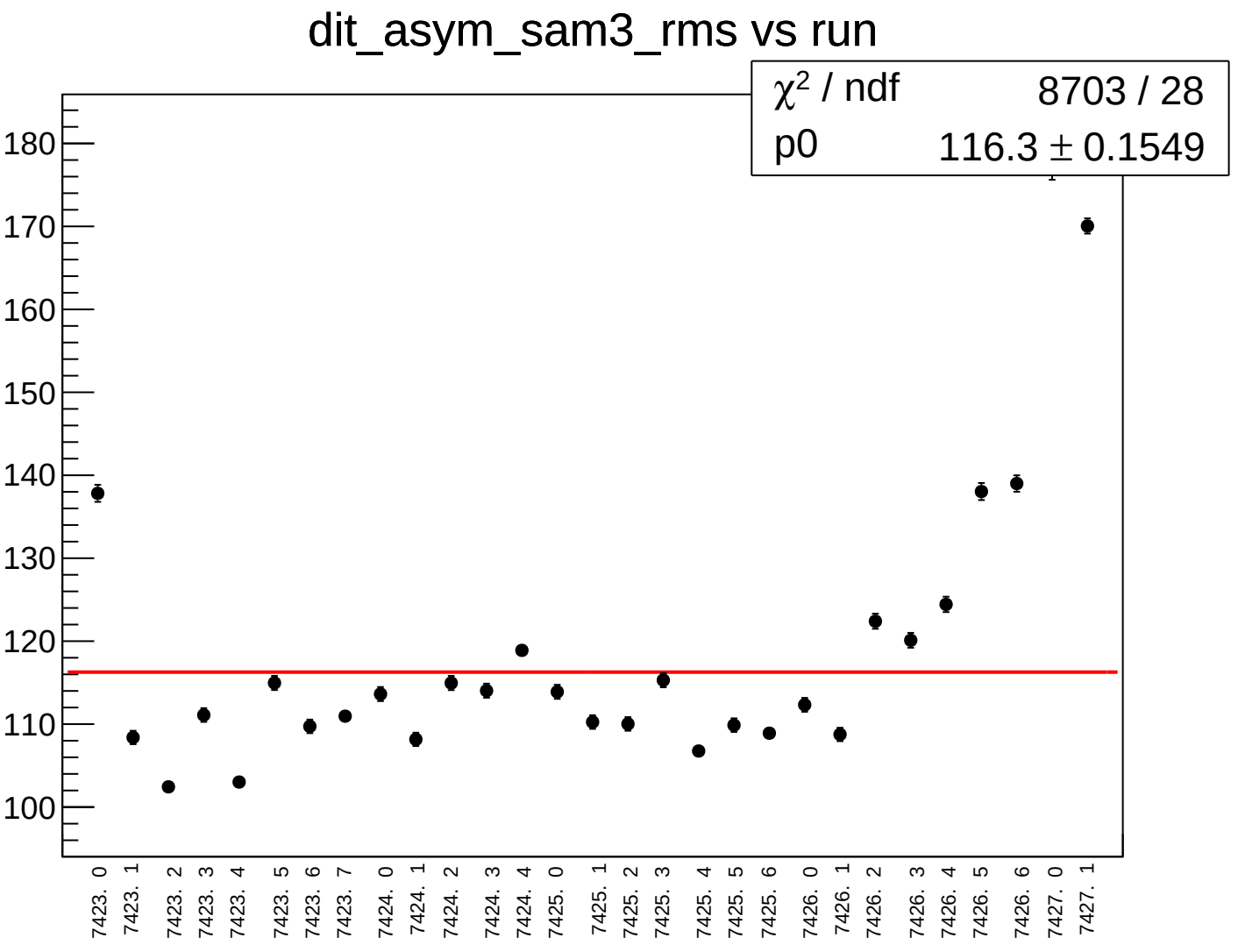

asym_sam2_mean vs run
χ² / ndf 29.03 / 28
p0 −2915 ± 3042
60000
40000
20000
0
−20000
−40000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 62
Std Dev 47.37
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

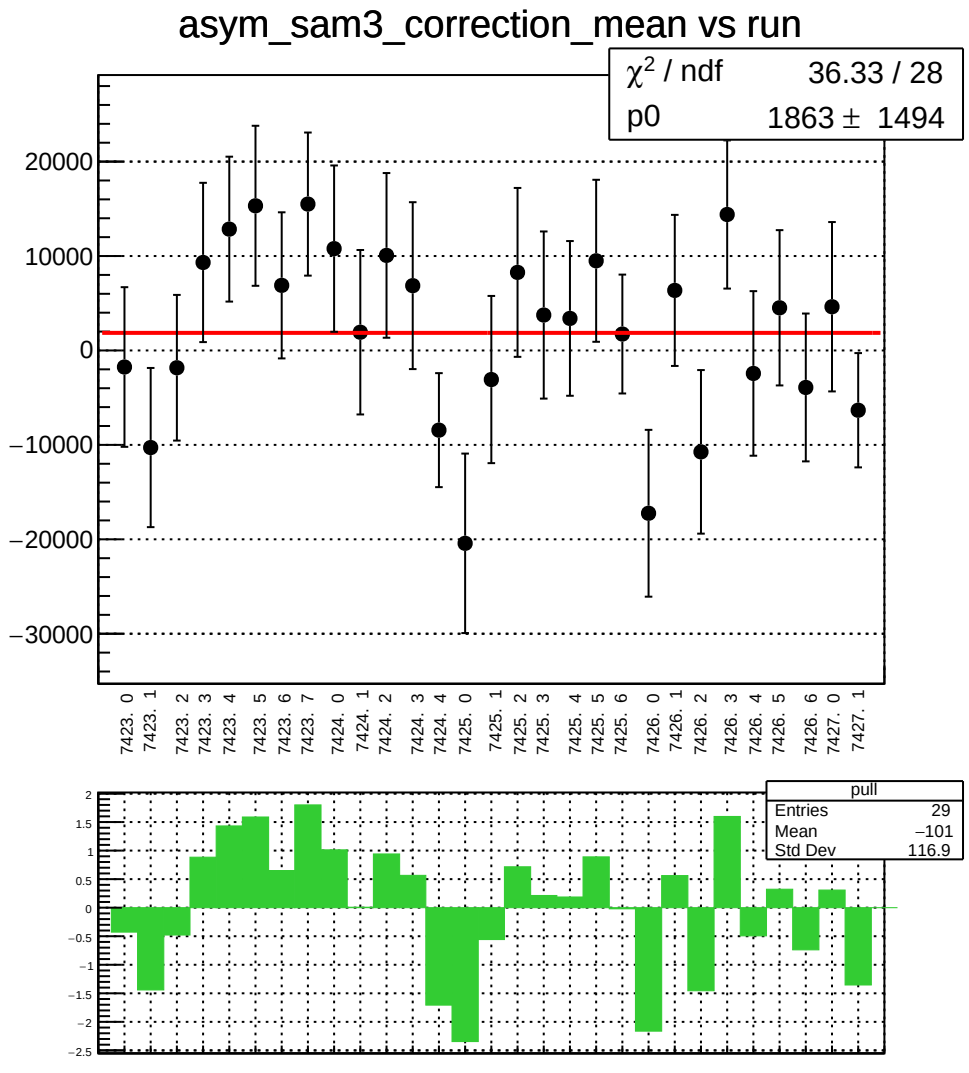

pull1D
Entries 29
Mean 0.02208
Std Dev 1
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

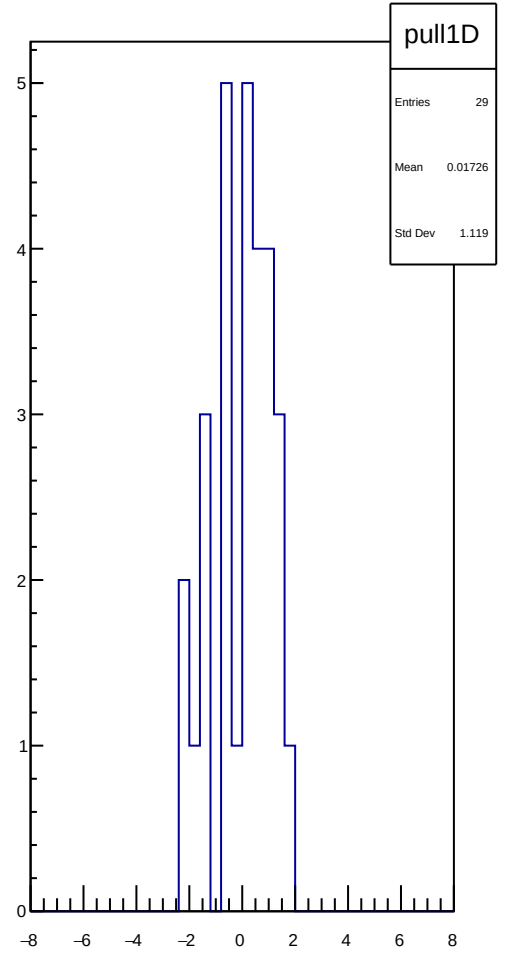

asym_sam2_rms vs run
χ² / ndf 983.5 / 28
p0 1625 ± 2.151
1800
1750
1700
1650
1600
1550
1500
1450
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

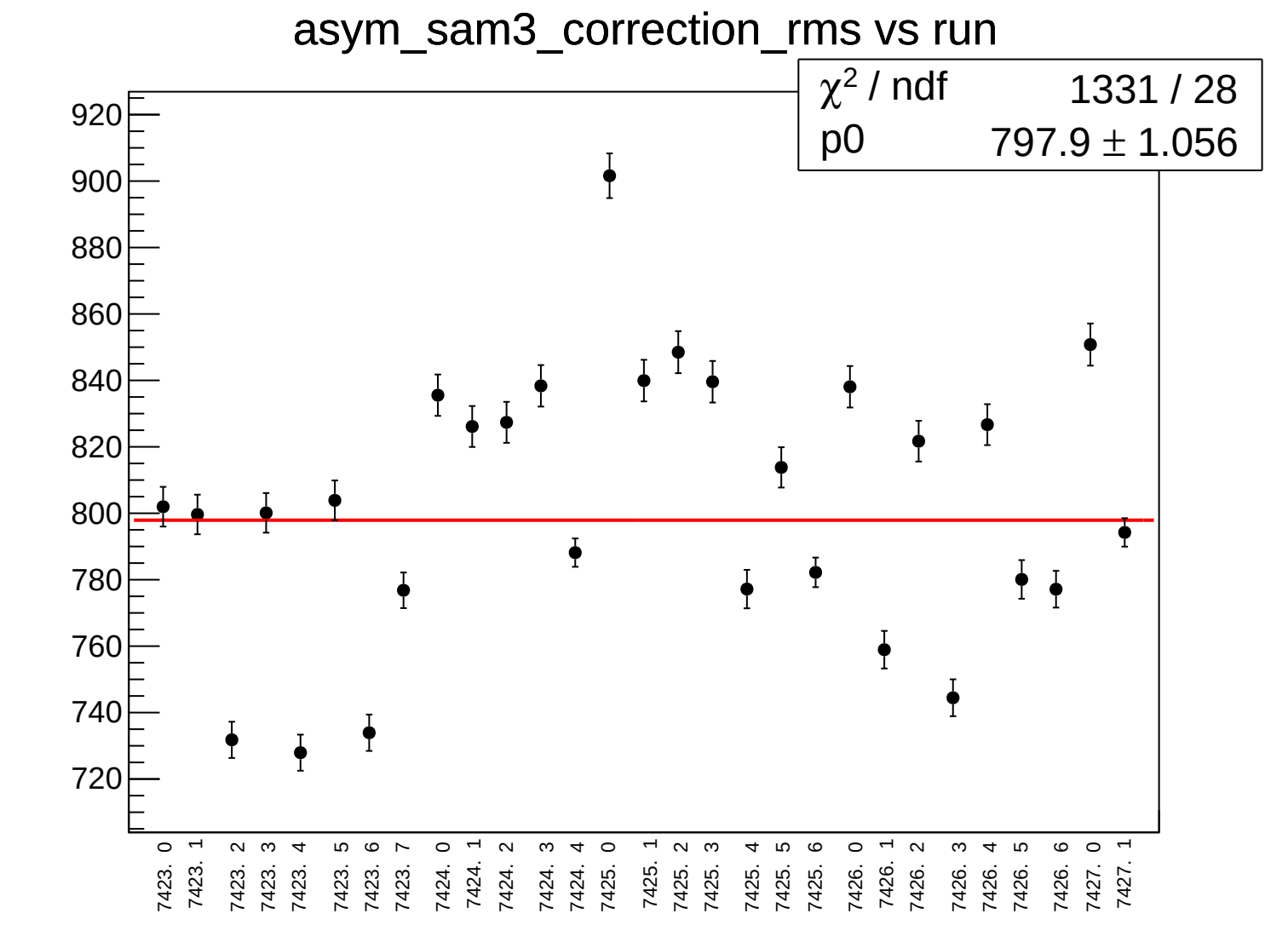

dit_asym_sam3_mean vs run
χ² / ndf 20.22 / 28
p0 −204.8 ± 219.1
3000
2000
1000
0
−1000
−2000
−3000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 159.7
Std Dev 140.5
1.5
1
0.5
0
−0.5
−1
−1.5

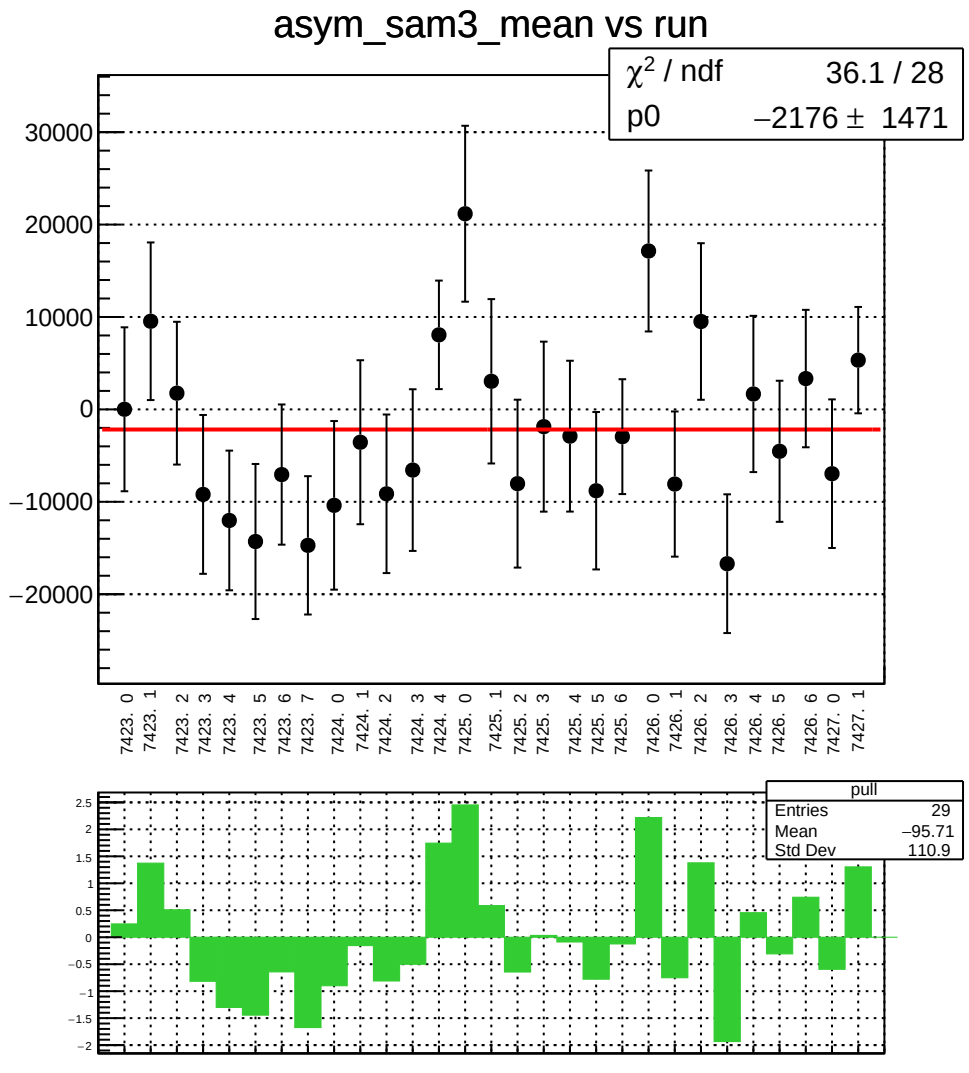

pull1D
Entries 29
Mean −0.01604
Std Dev 0.8348
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

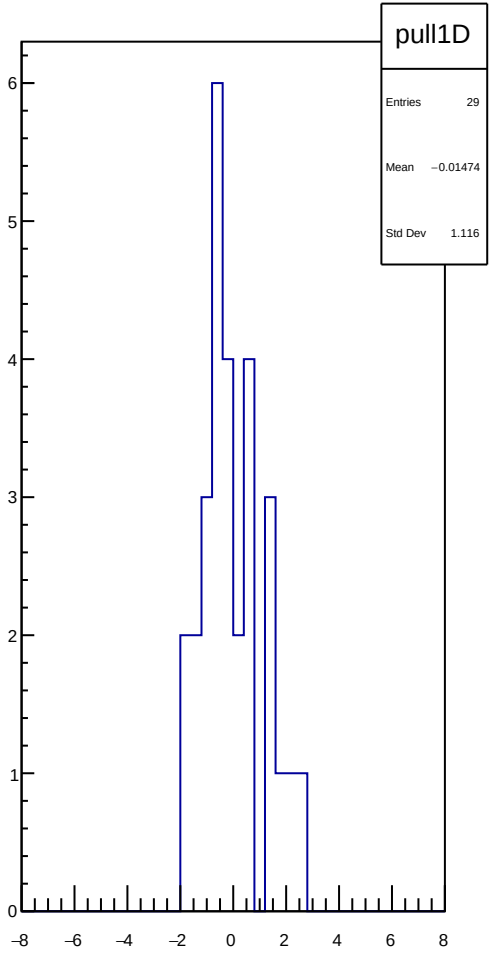

dit_asym_sam3_rms vs run
χ² / ndf 8703 / 28
p0 116.3 ± 0.1549
180
170
160
150
140
130
120
110
100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

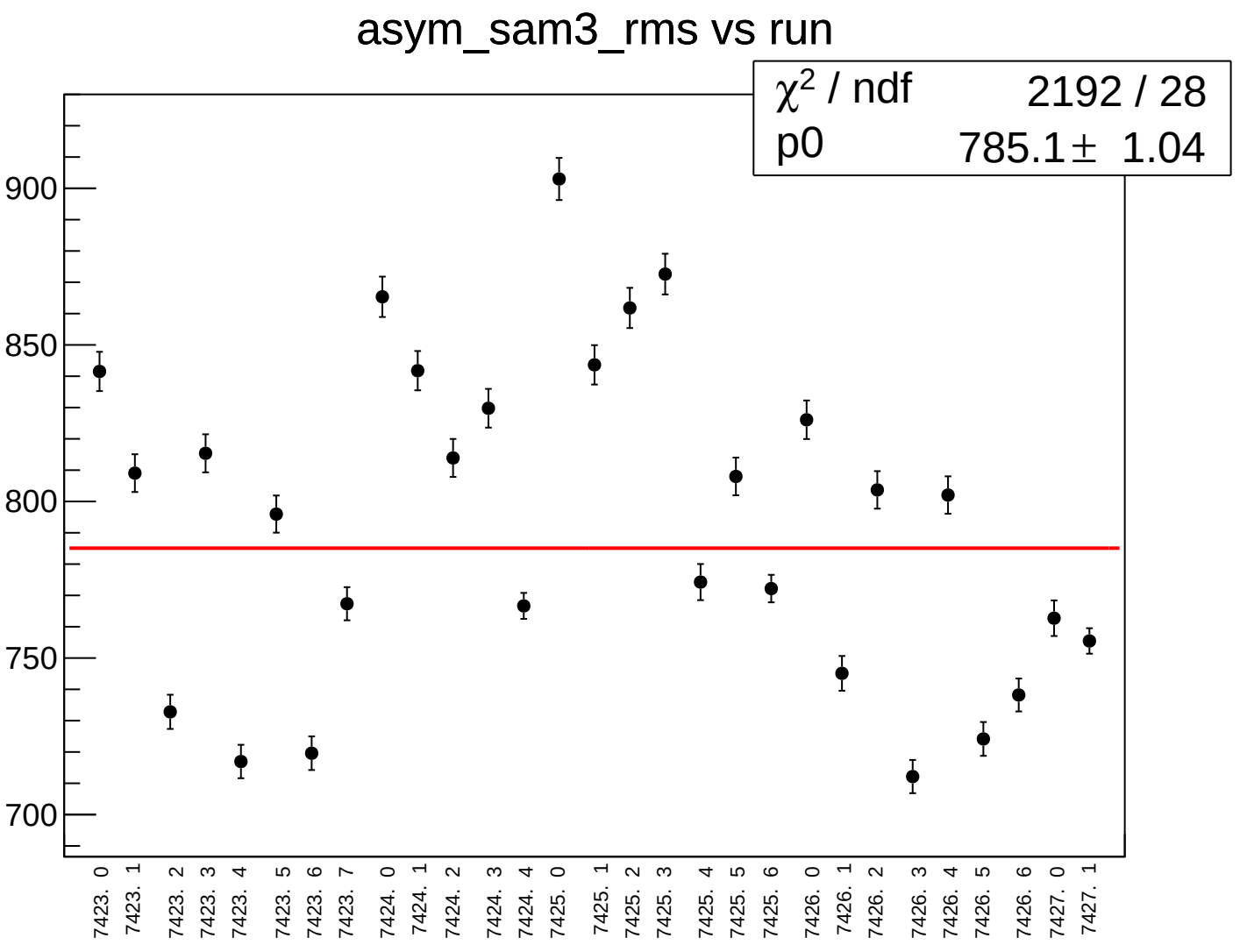

asym_sam3_correction_mean vs run
χ² / ndf 36.33 / 28
p0 1863 ± 1494
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −101
Std Dev 116.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

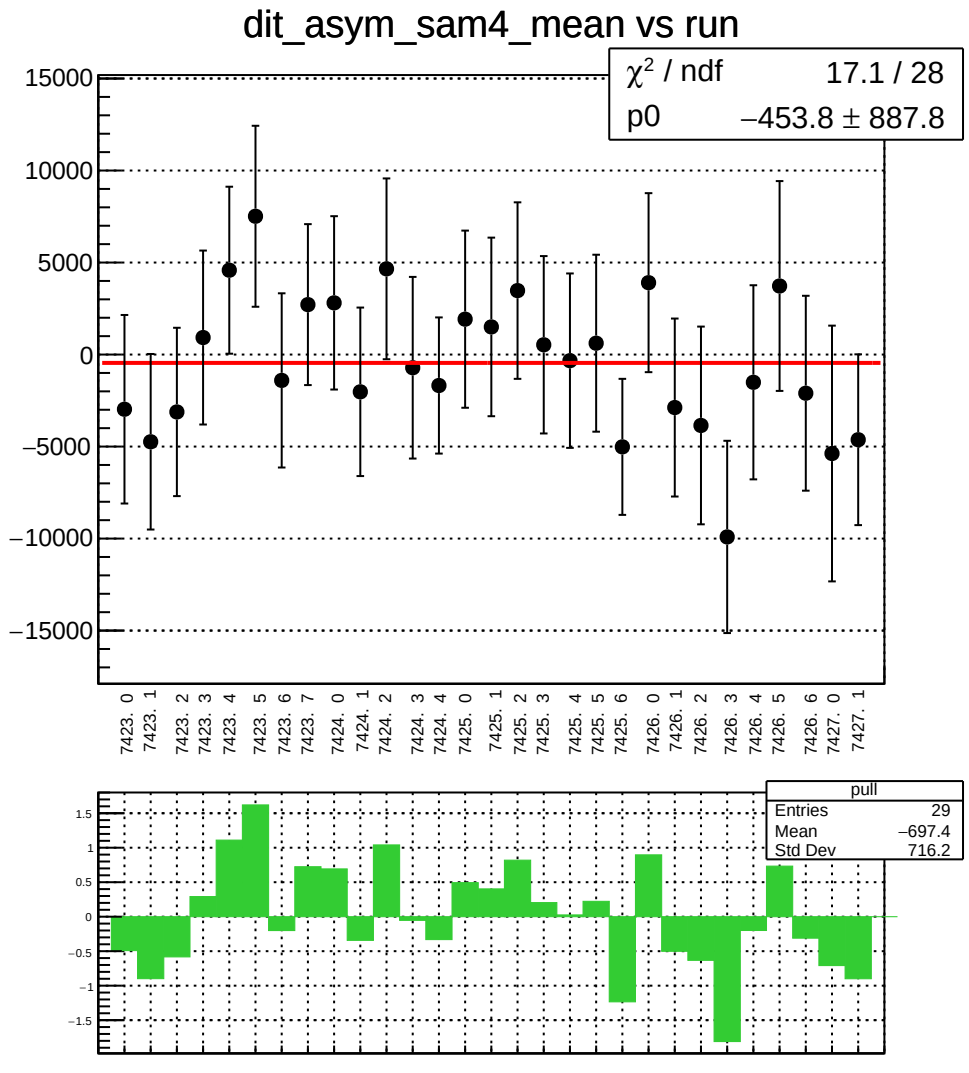

pull1D
Entries 29
Mean 0.01726
Std Dev 1.119
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

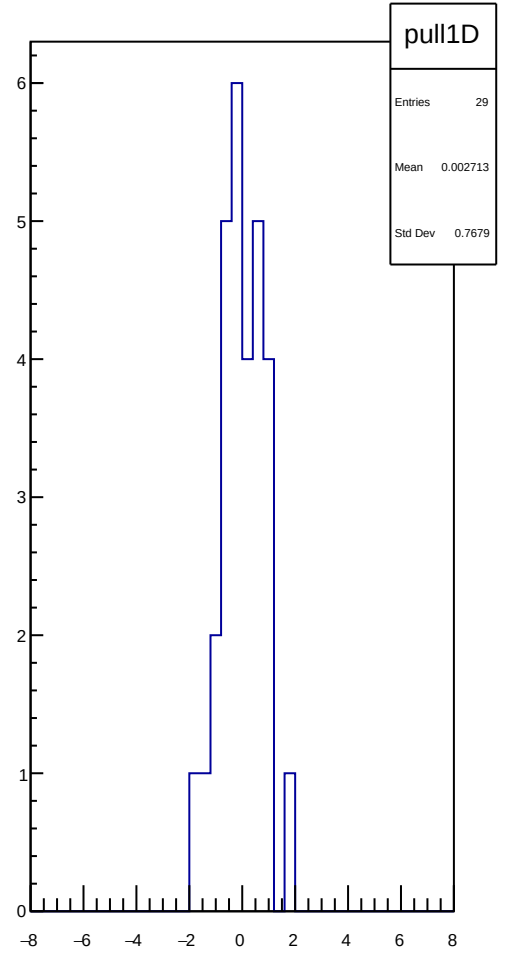

asym_sam3_correction_rms vs run
χ² / ndf 1331 / 28
p0 797.9 ± 1.056
920
900
880
860
840
820
800
780
760
740
720
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

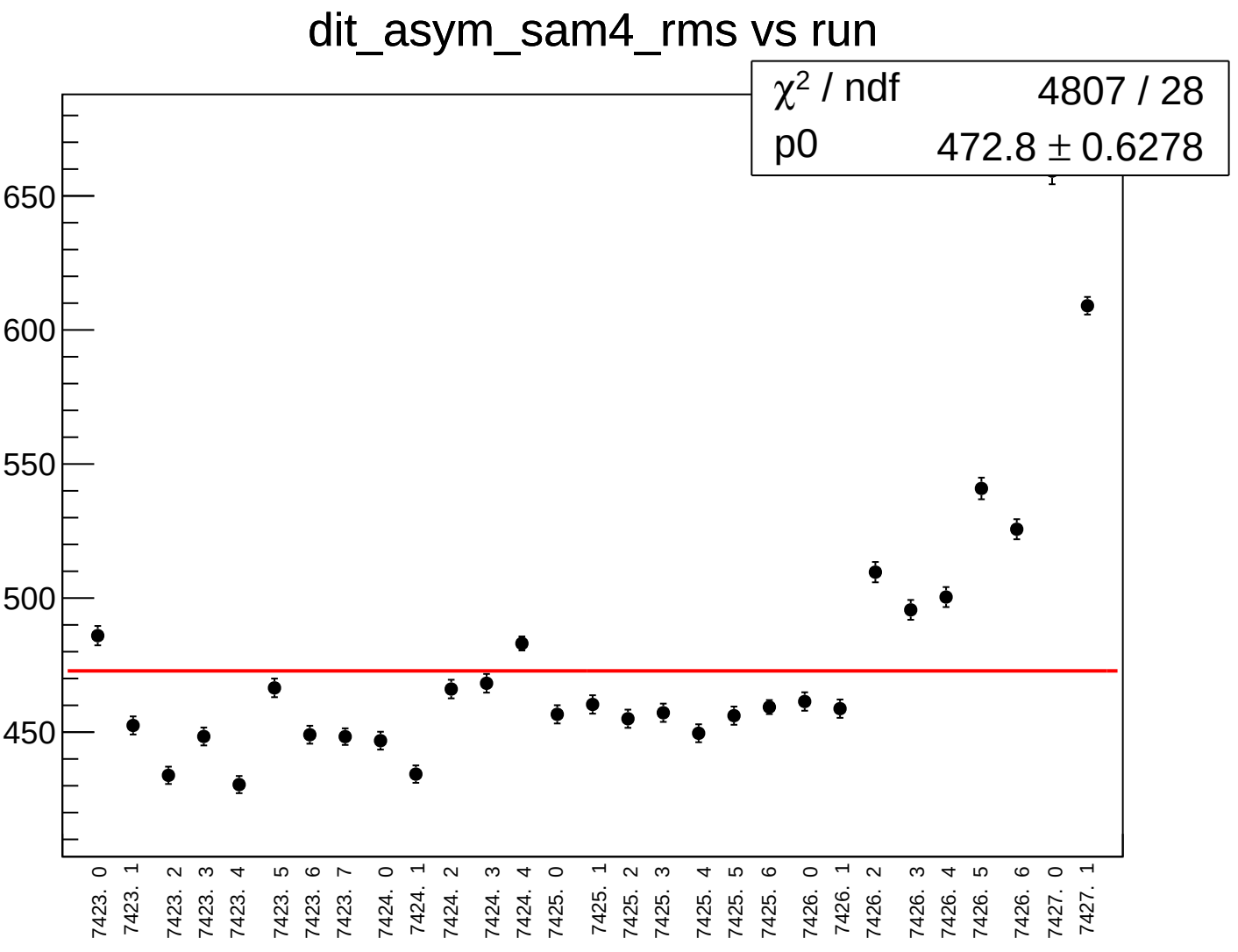

asym_sam3_mean vs run
χ² / ndf 36.1 / 28
p0 −2176 ± 1471
30000
20000
10000
0
−10000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −95.71
Std Dev 110.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

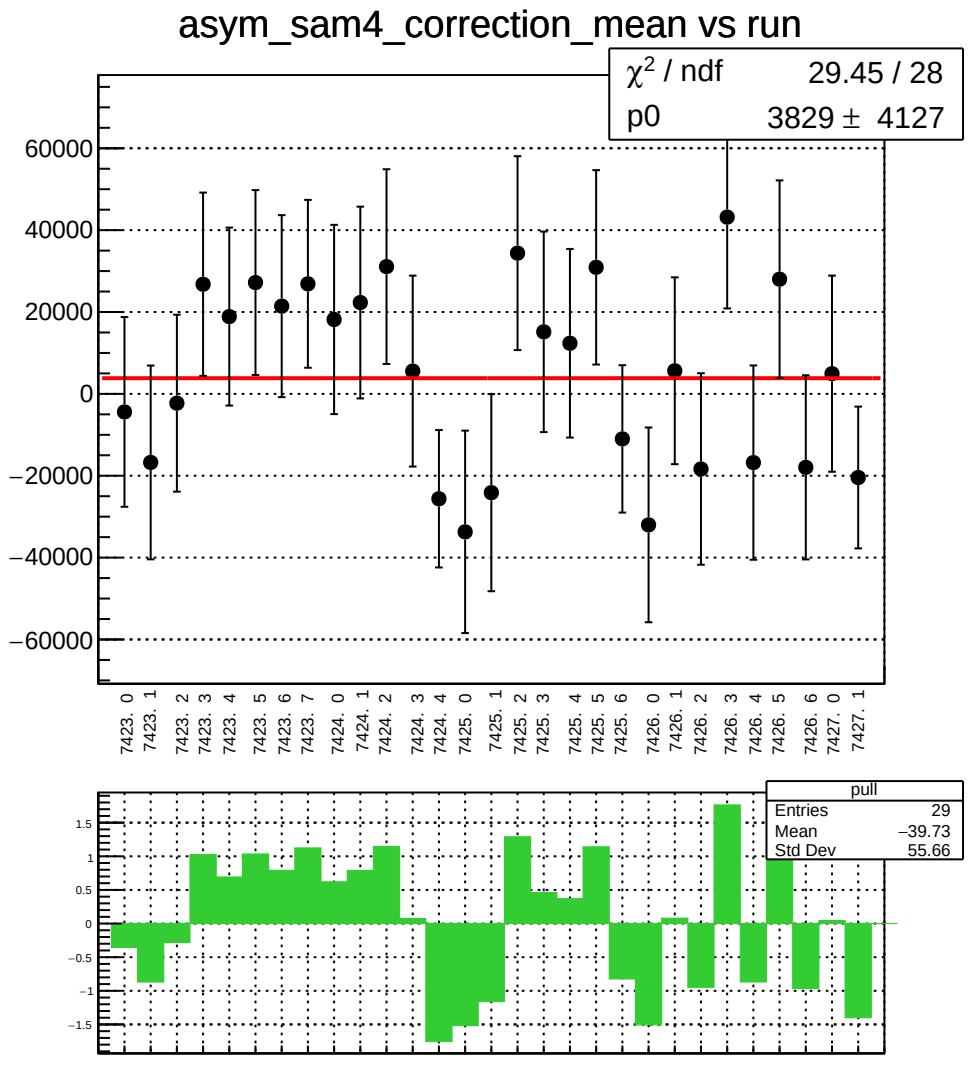

pull1D
Entries 29
Mean −0.01474
Std Dev 1.116
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

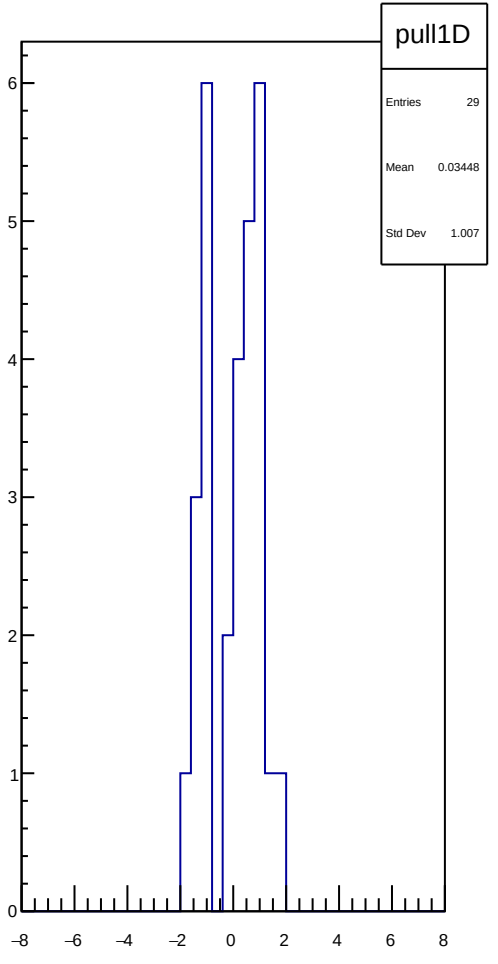

asym_sam3_rms vs run
χ² / ndf 2192 / 28
p0 785.1 ± 1.04
900
850
800
750
700
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

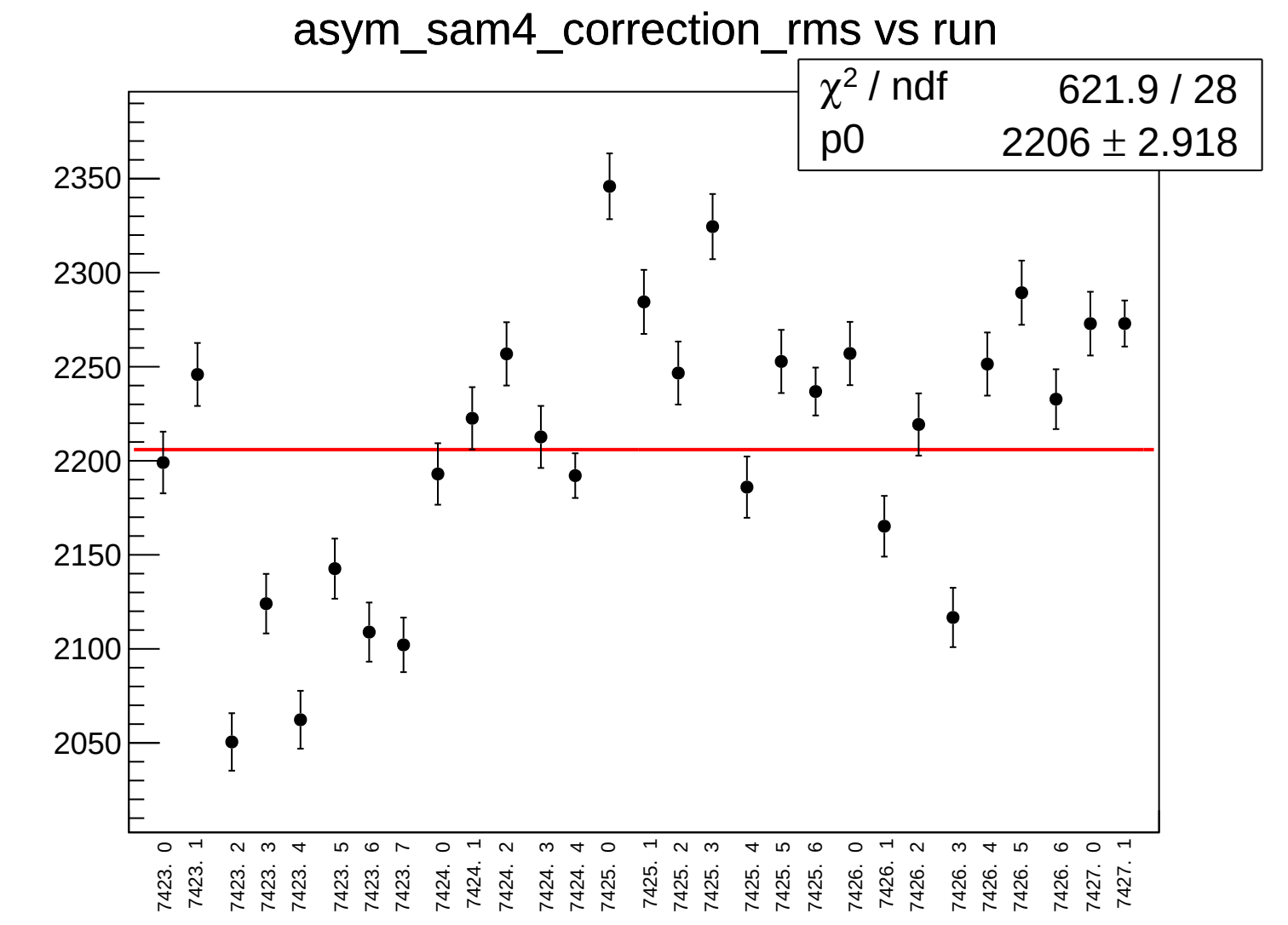

dit_asym_sam4_mean vs run
χ² / ndf 17.1 / 28
p0 −453.8 ± 887.8
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −697.4
Std Dev 716.2
1.5
1
0.5
0
−0.5
−1
−1.5

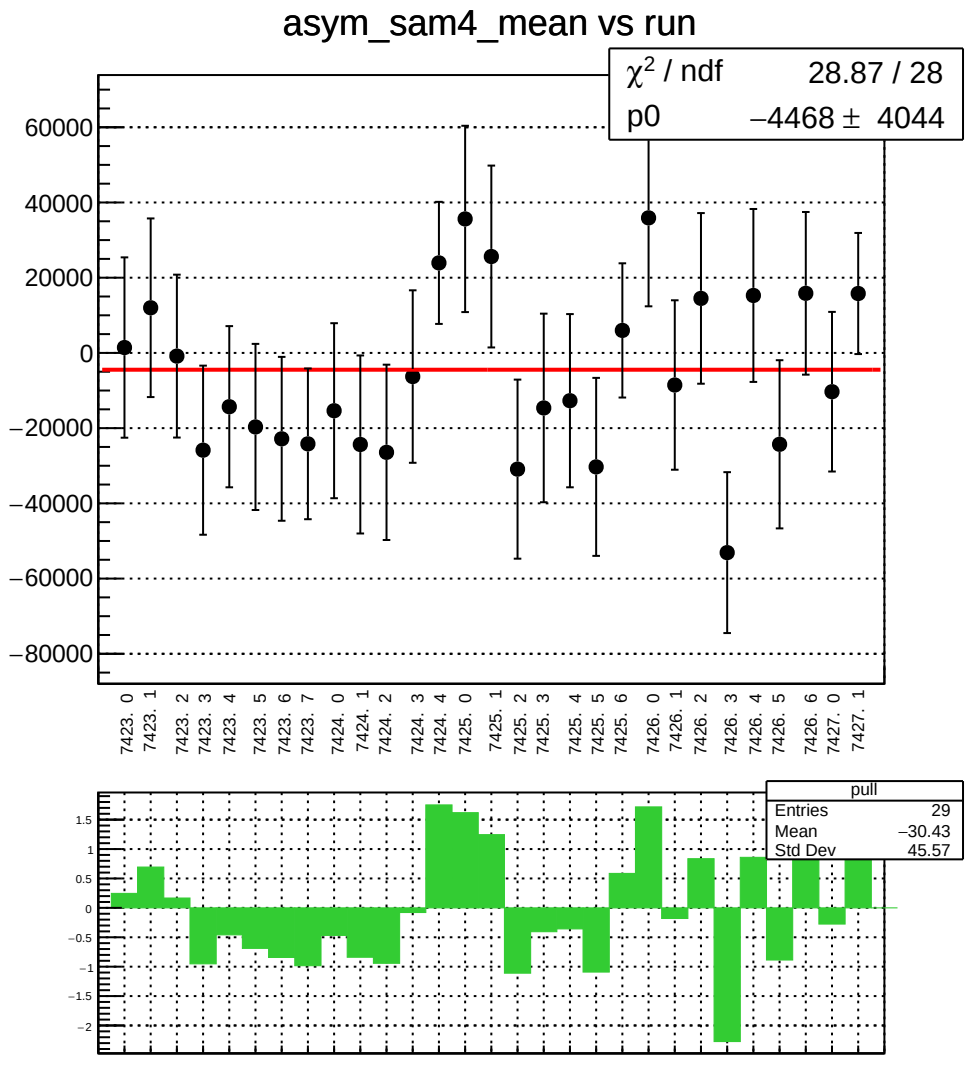

pull1D
Entries 29
Mean 0.002713
Std Dev 0.7679
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

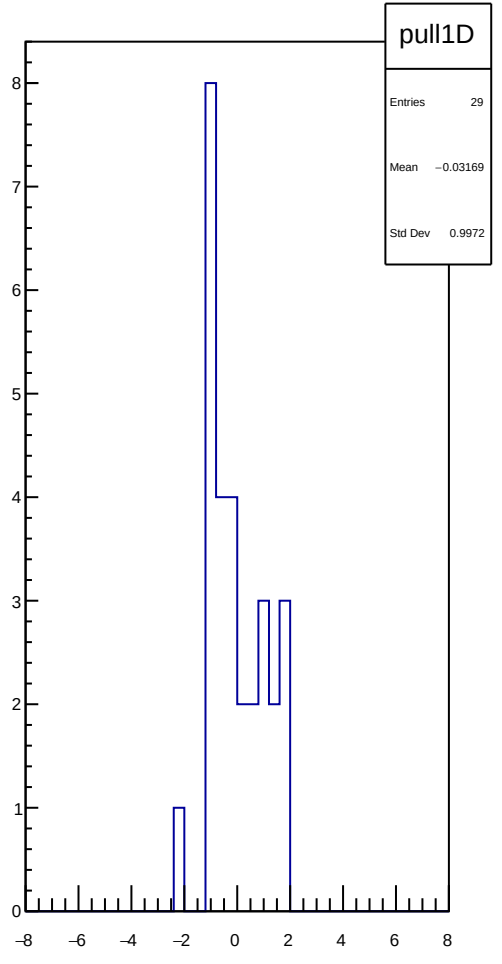

dit_asym_sam4_rms vs run
χ² / ndf 4807 / 28
p0 472.8 ± 0.6278
650
600
550
500
450
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

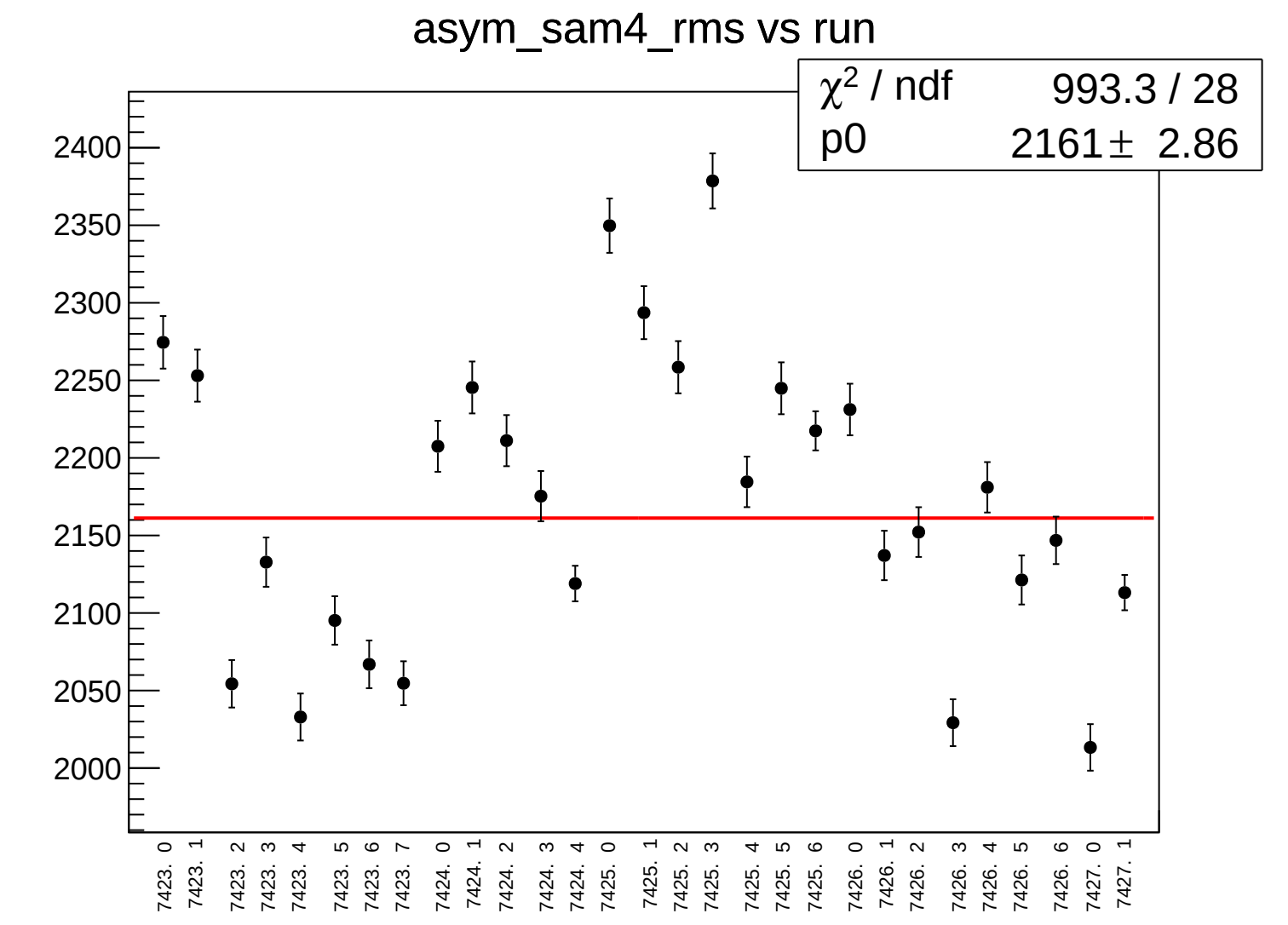

asym_sam4_correction_mean vs run
χ² / ndf 29.45 / 28
p0 3829 ± 4127
60000
40000
20000
0
−20000
−40000
−60000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −39.73
Std Dev 55.66
1.5
1
0.5
0
−0.5
−1
−1.5

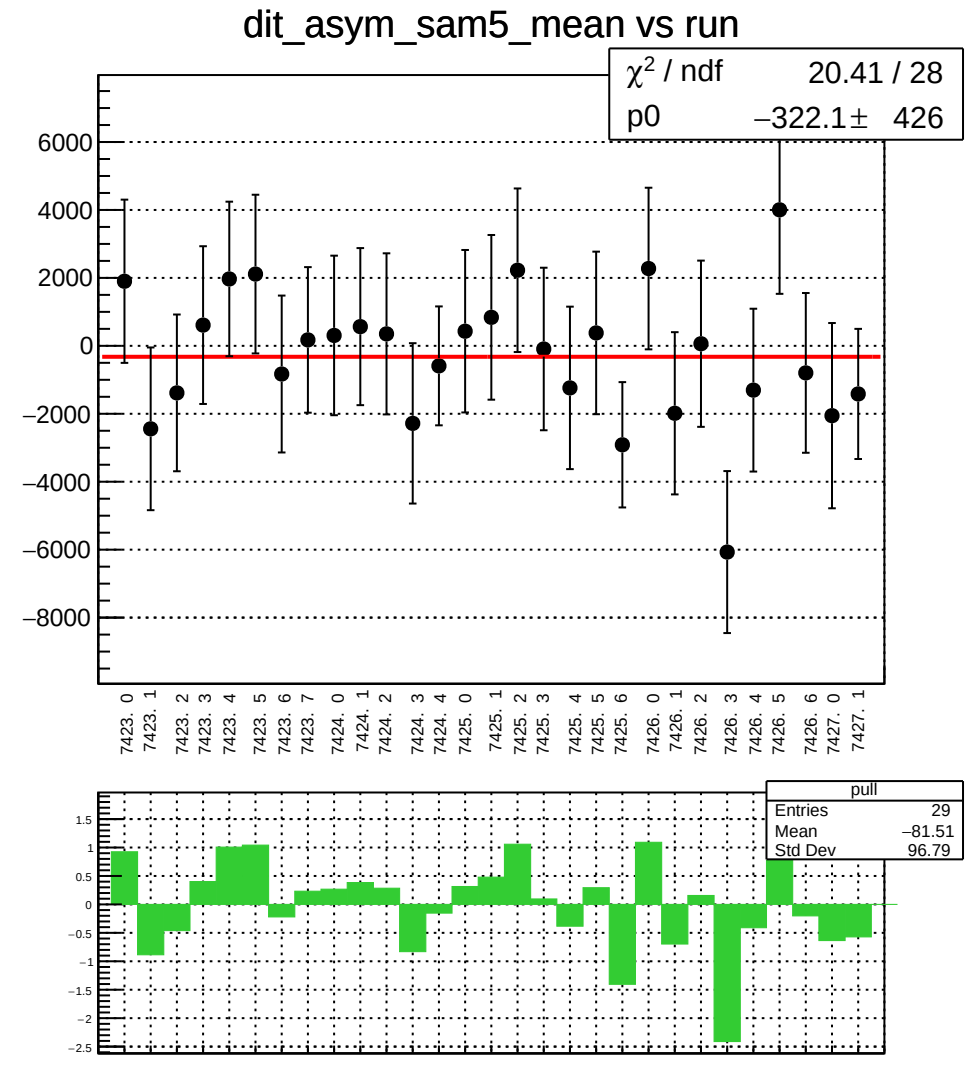

pull1D
Entries 29
Mean 0.03448
Std Dev 1.007
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

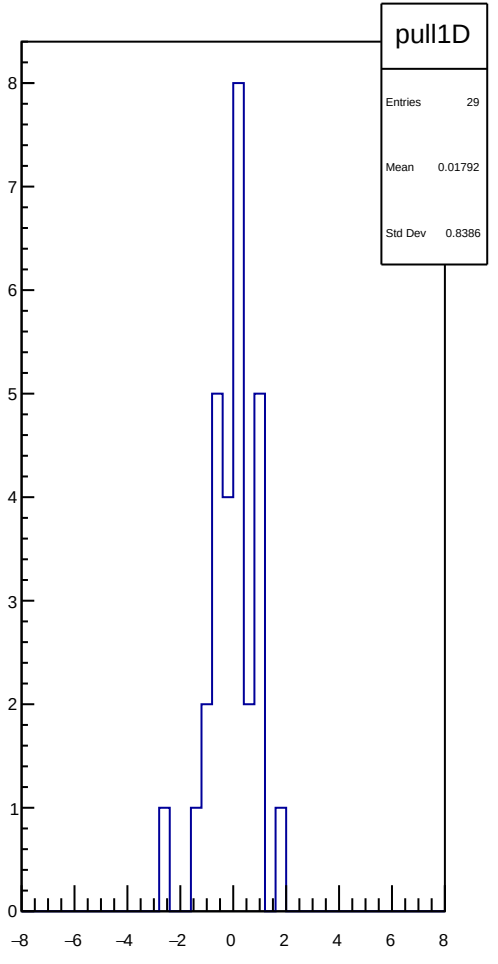

asym_sam4_correction_rms vs run
χ² / ndf 621.9 / 28
p0 2206 ± 2.918
2350
2300
2250
2200
2150
2100
2050
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

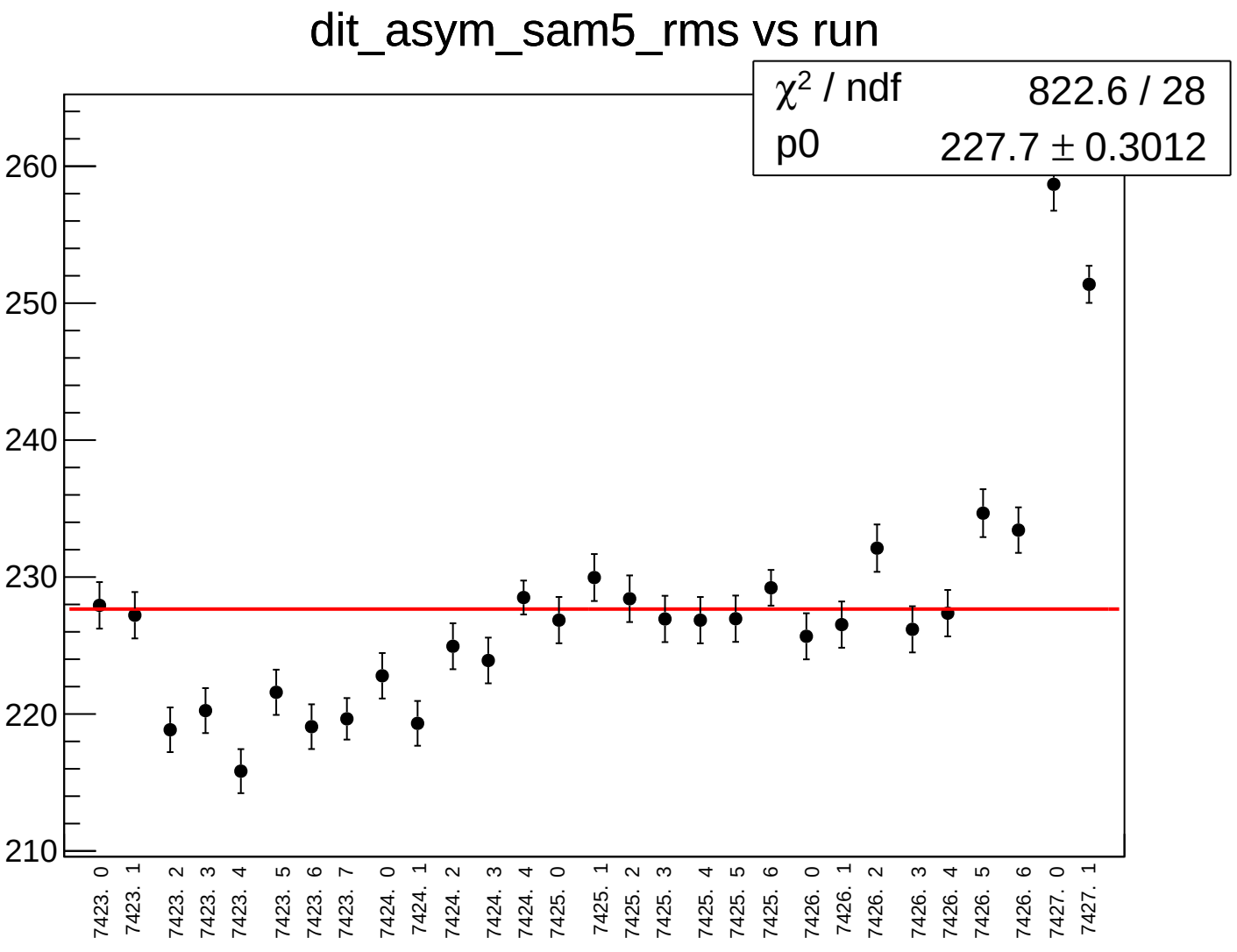

asym_sam4_mean vs run
χ² / ndf 28.87 / 28
p0 −4468 ± 4044
60000
40000
20000
0
−20000
−40000
−60000
−80000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.43
Std Dev 45.57
1.5
1
0.5
0
−0.5
−1
−1.5
−2

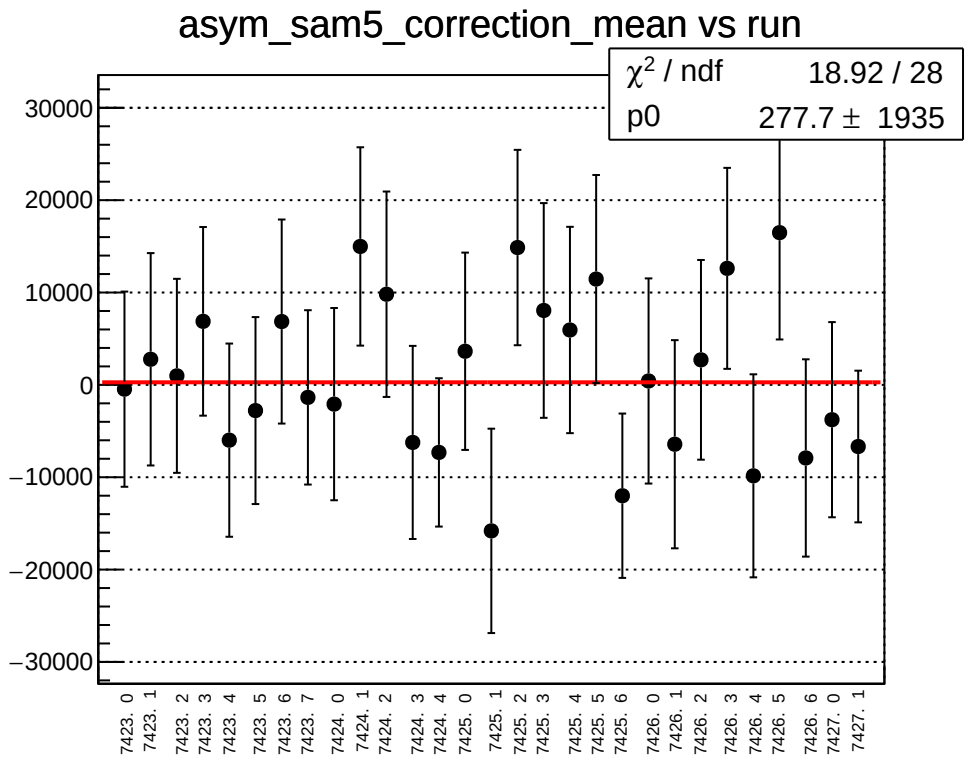

pull1D
Entries 29
Mean −0.03169
Std Dev 0.9972
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

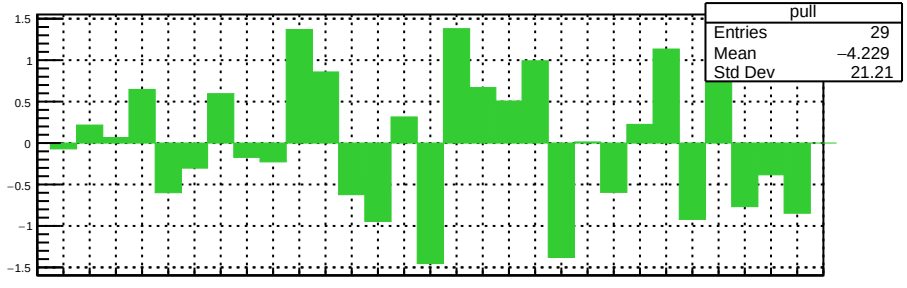

asym_sam4_rms vs run
χ² / ndf 993.3 / 28
p0 2161 ± 2.86
2400
2350
2300
2250
2200
2150
2100
2050
2000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

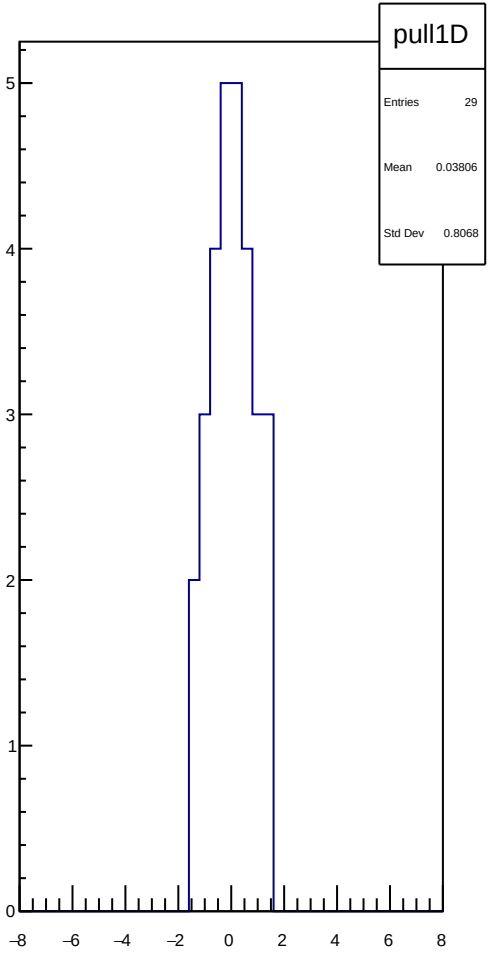

dit_asym_sam5_mean vs run
χ² / ndf 20.41 / 28
p0 −322.1± 426
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −81.51
Std Dev 96.79
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

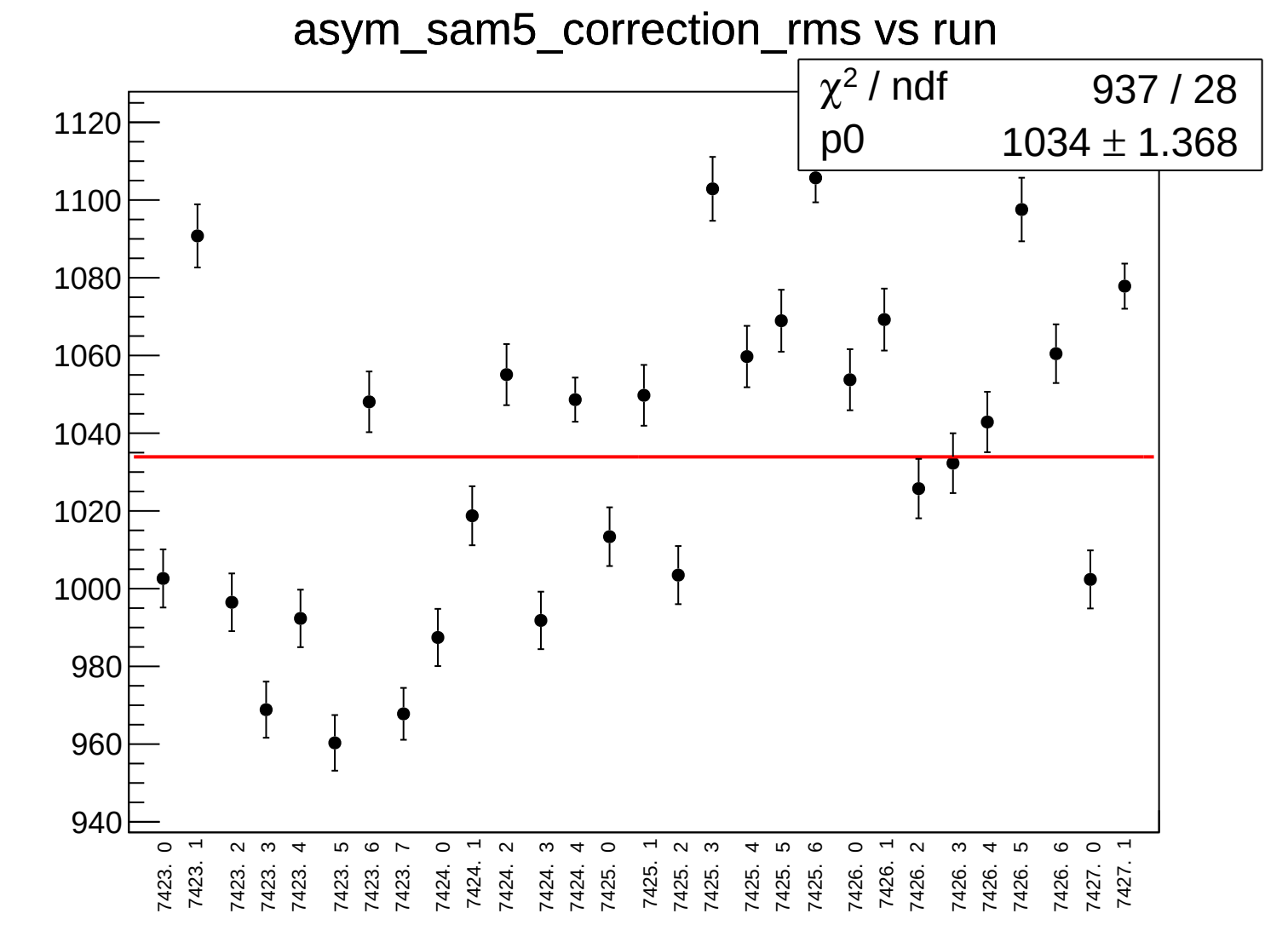

pull1D
Entries 29
Mean 0.01792
Std Dev 0.8386
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

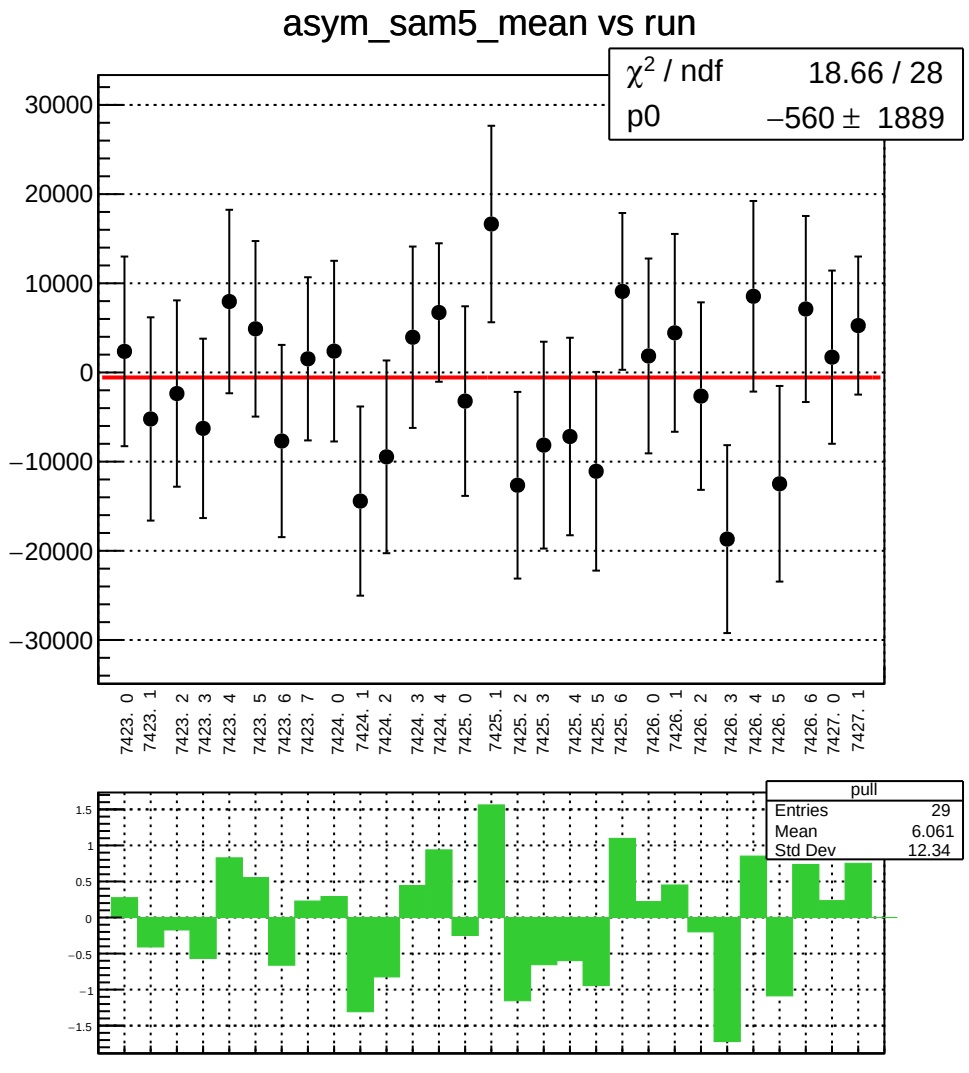

dit_asym_sam5_rms vs run
χ² / ndf 822.6 / 28
p0 227.7 ± 0.3012
260
250
240
230
220
210
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

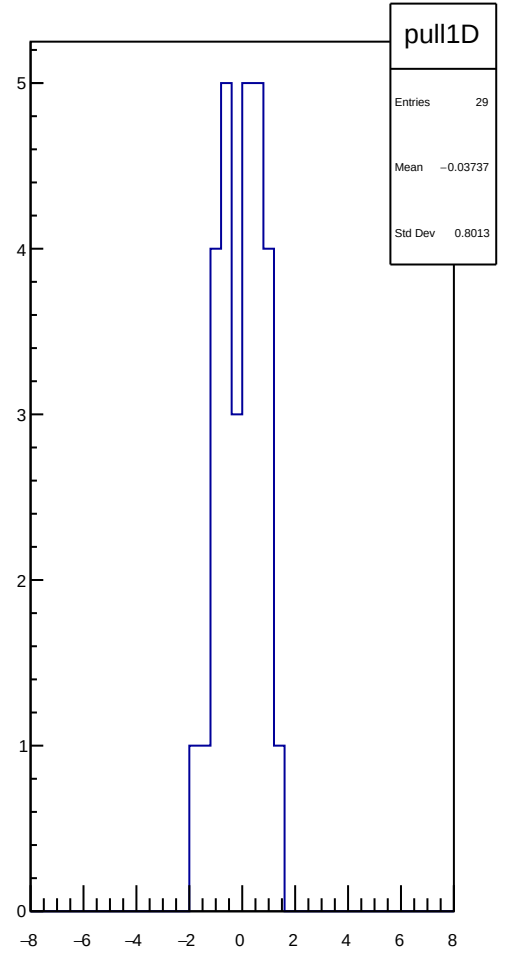

asym_sam5_correction_mean vs run
χ² / ndf 18.92 / 28
p0 277.7 ± 1935
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

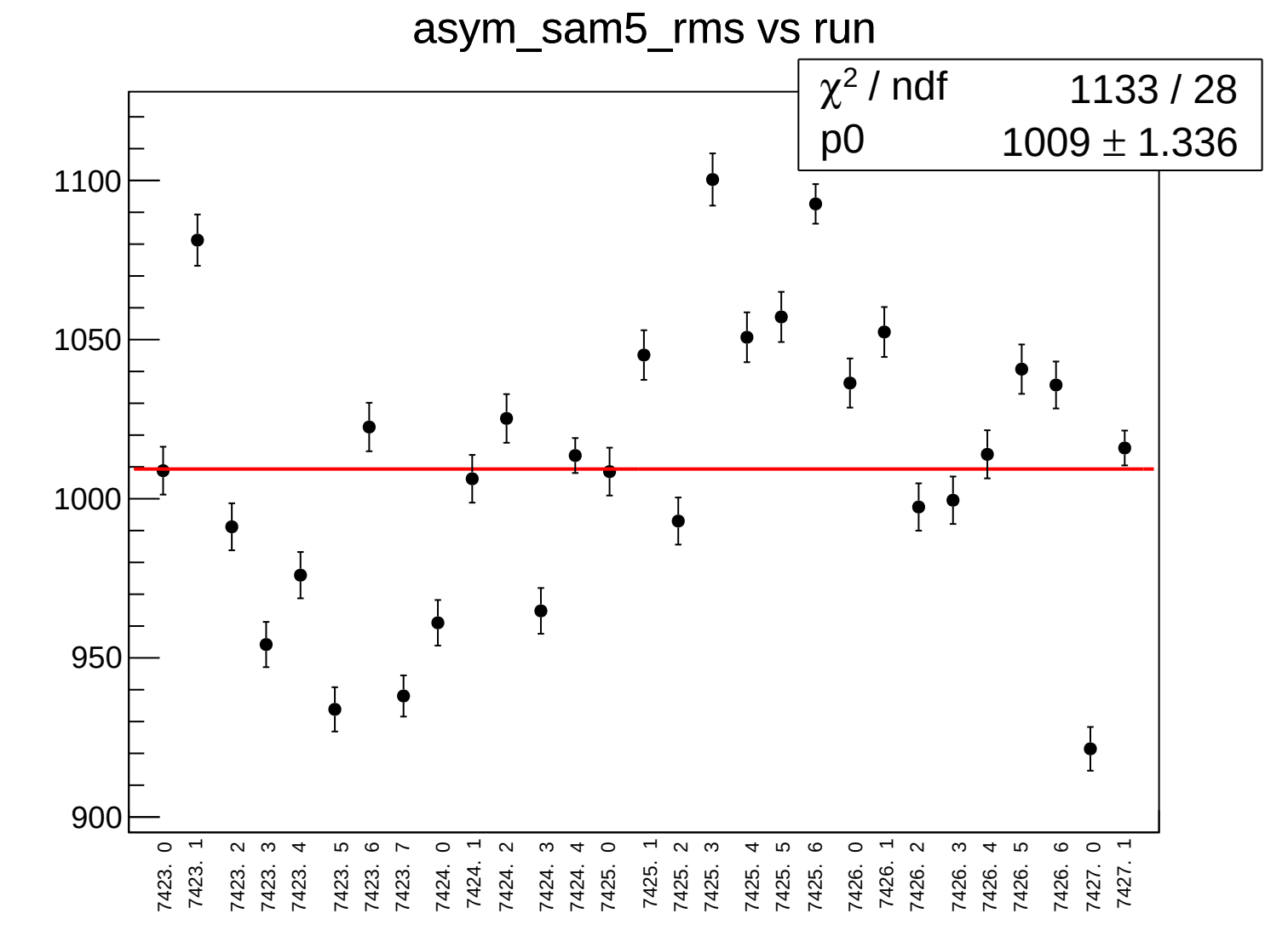

pull
Entries 29
Mean −4.229
Std Dev 21.21
1.5
1
0.5
0
−0.5
−1
−1.5

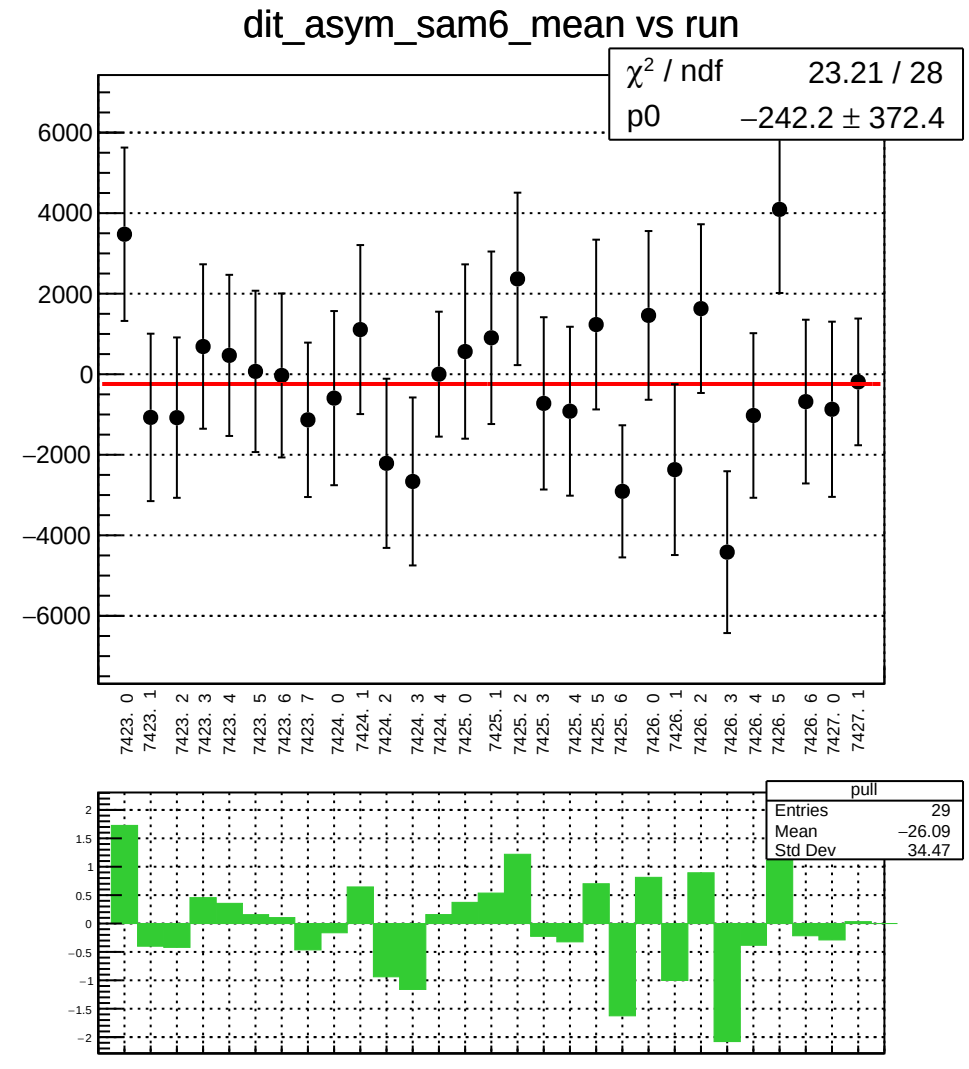

pull1D
Entries 29
Mean 0.03806
Std Dev 0.8068
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

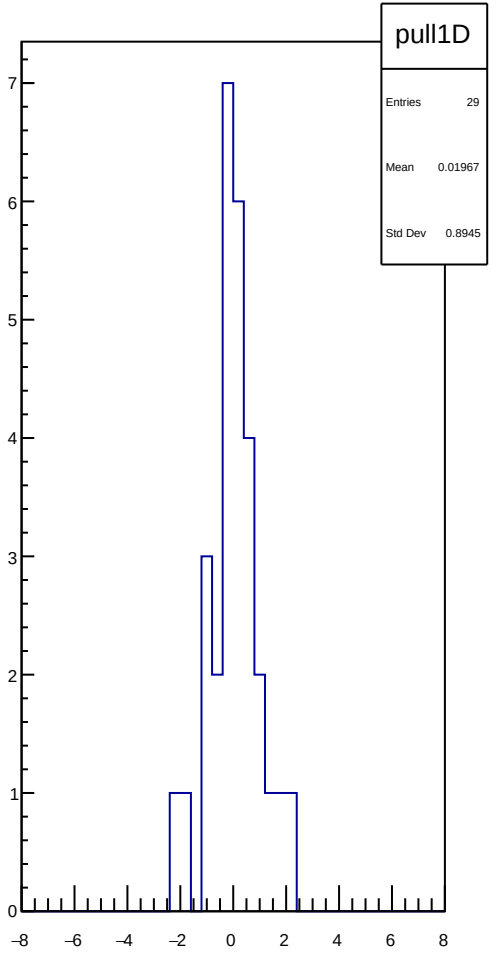

asym_sam5_correction_rms vs run
χ² / ndf 937 / 28
p0 1034 ± 1.368
1120
1100
1080
1060
1040
1020
1000
980
960
940
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

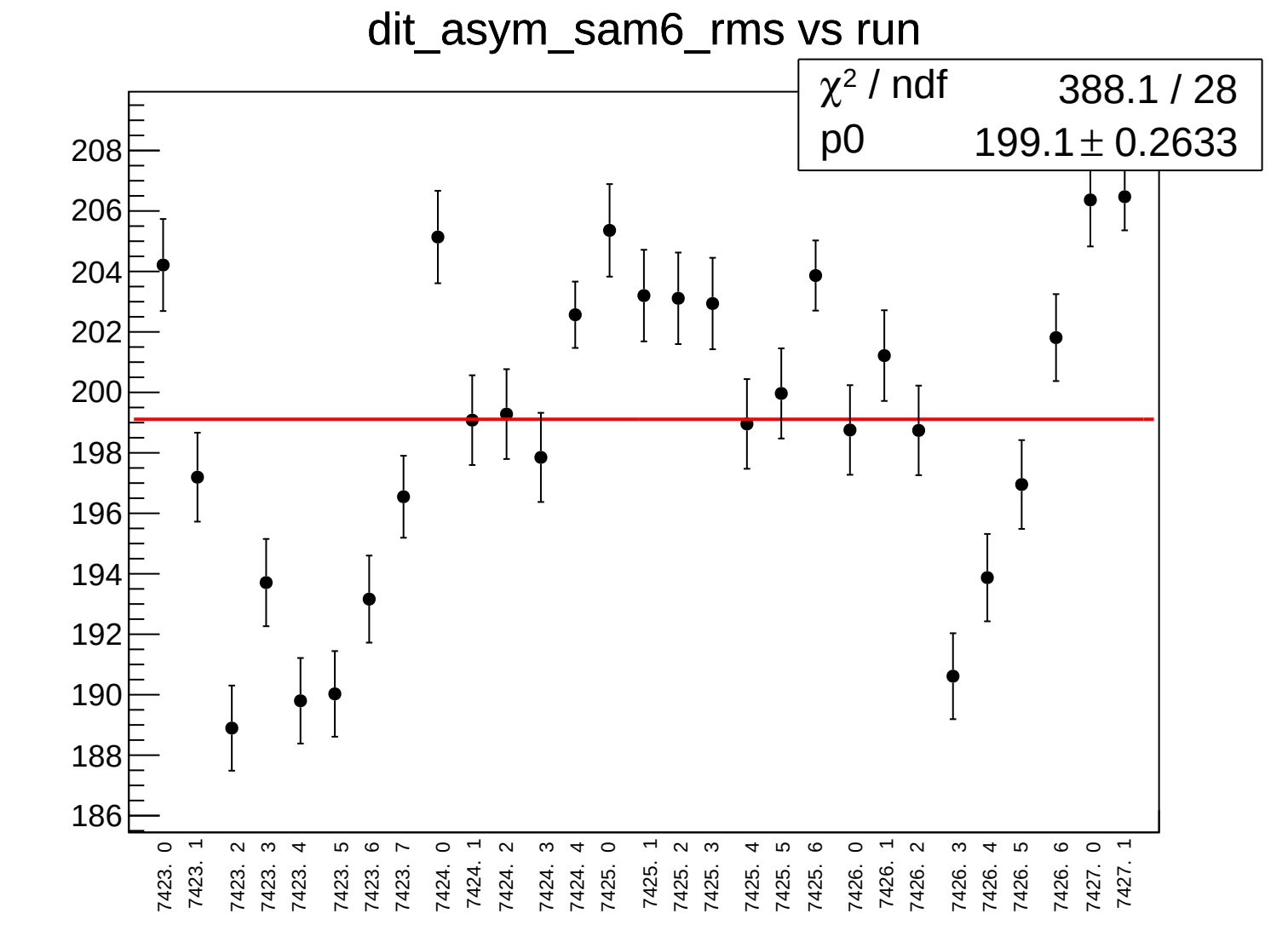

asym_sam5_mean vs run
χ² / ndf 18.66 / 28
p0 −560 ± 1889
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 6.061
Std Dev 12.34
1.5
1
0.5
0
−0.5
−1
−1.5

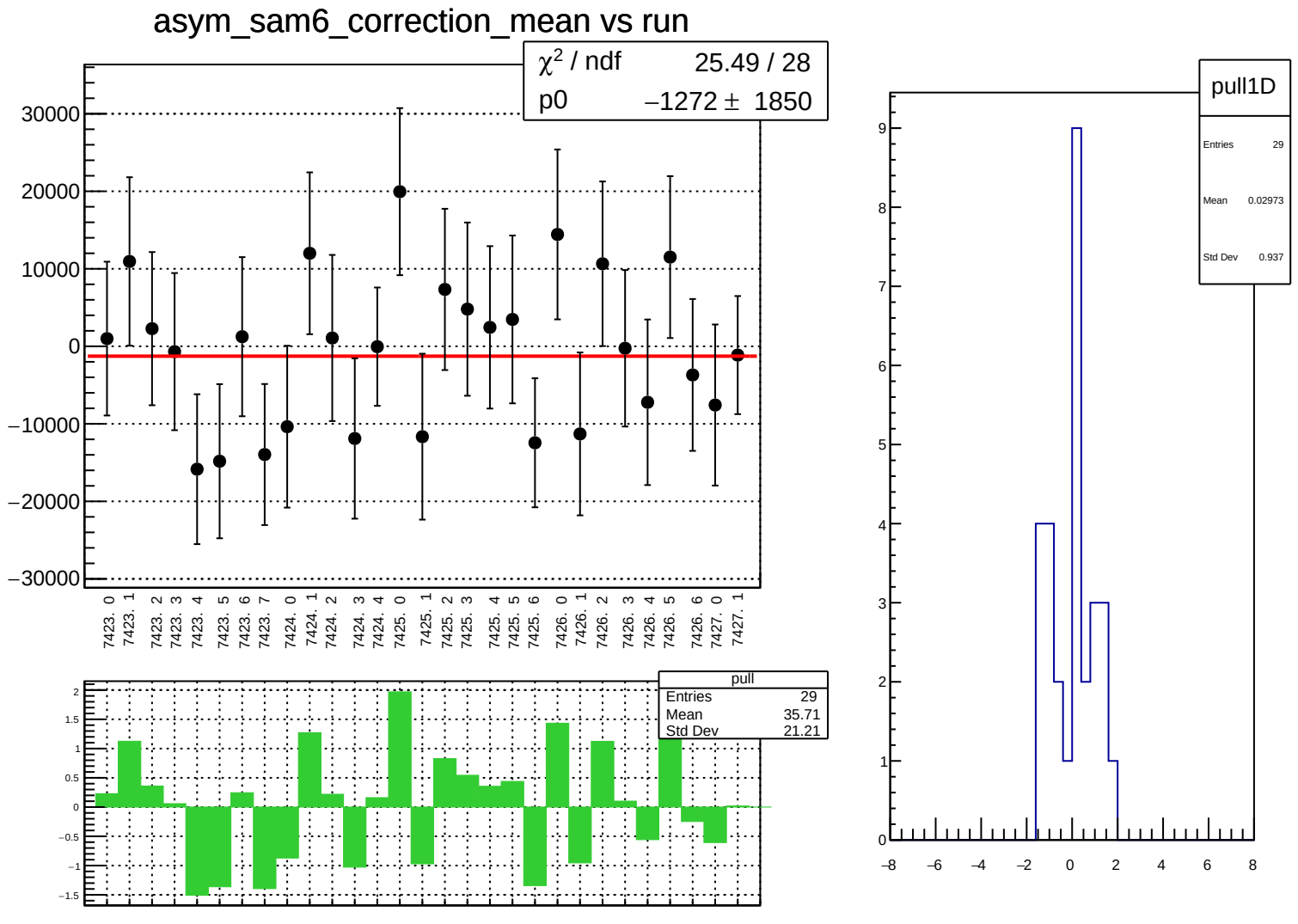

pull1D
Entries 29
Mean −0.03737
Std Dev 0.8013
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

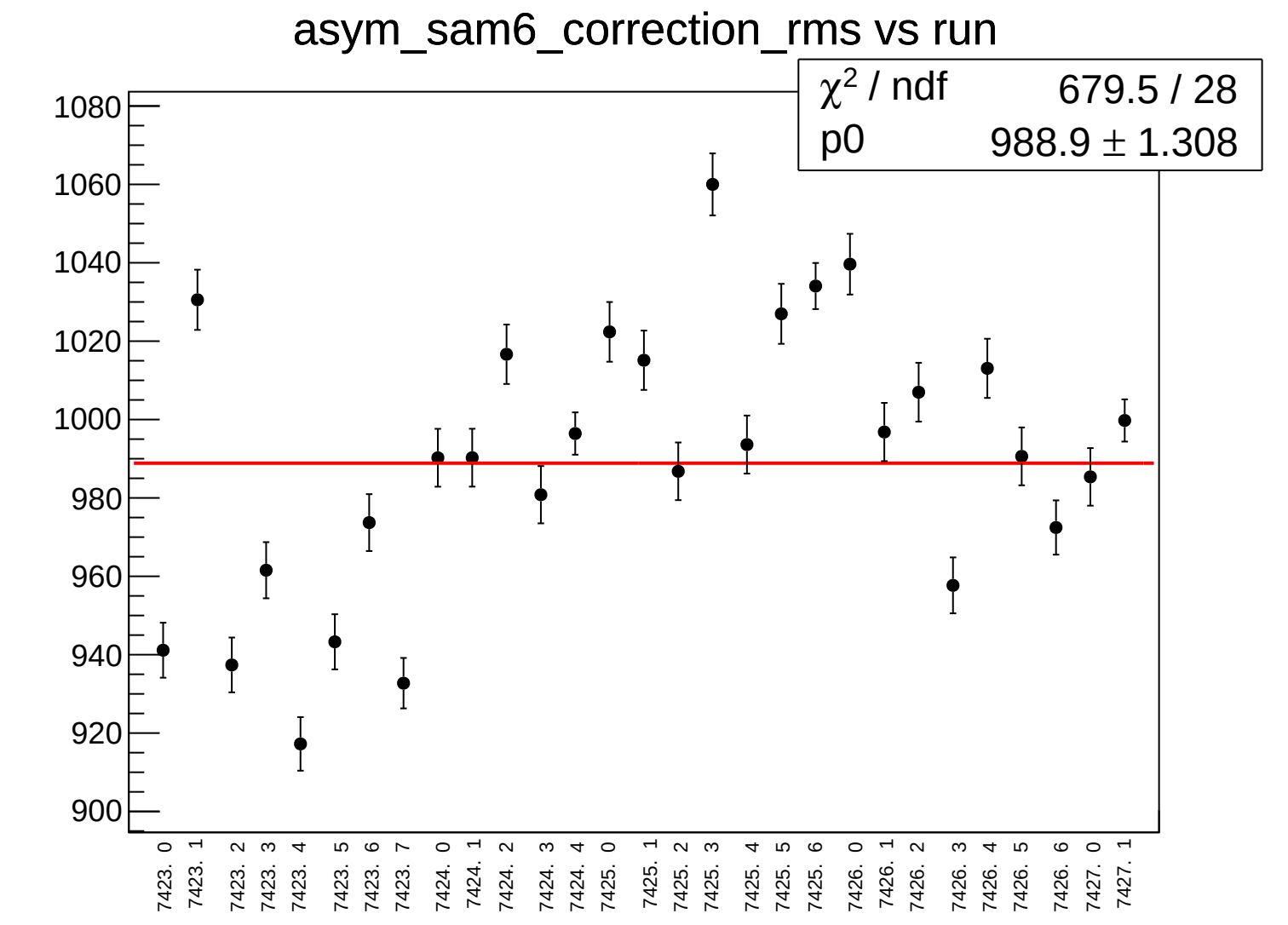

asym_sam5_rms vs run
χ² / ndf 1133 / 28
p0 1009 ± 1.336
1100
1050
1000
950
900
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

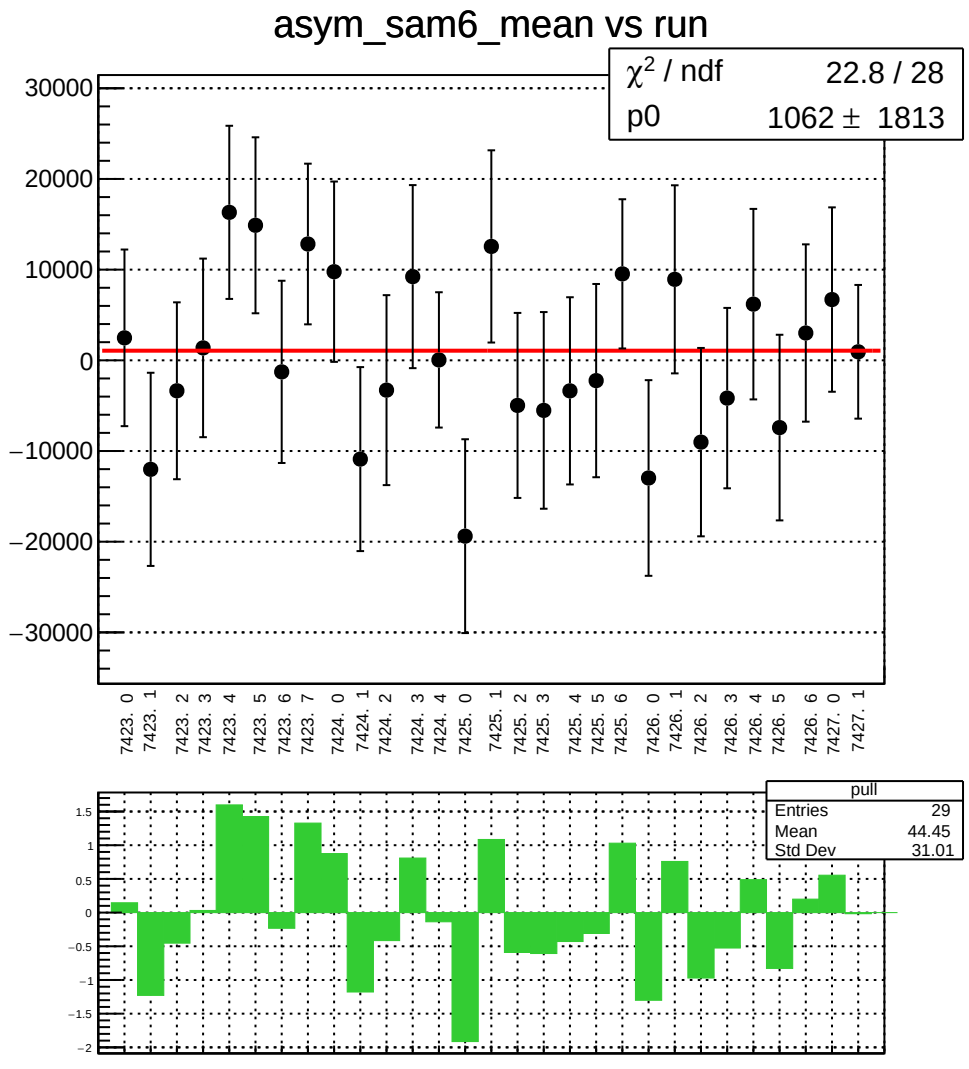

dit_asym_sam6_mean vs run
χ² / ndf 23.21 / 28
p0 −242.2 ± 372.4
6000
4000
2000
0
−2000
−4000
−6000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −26.09
Std Dev 34.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

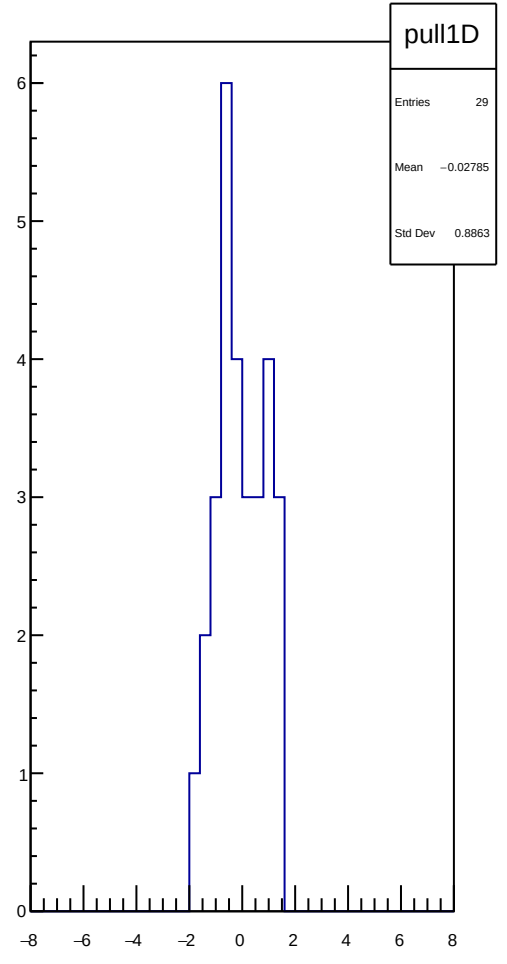

pull1D
Entries 29
Mean 0.01967
Std Dev 0.8945
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

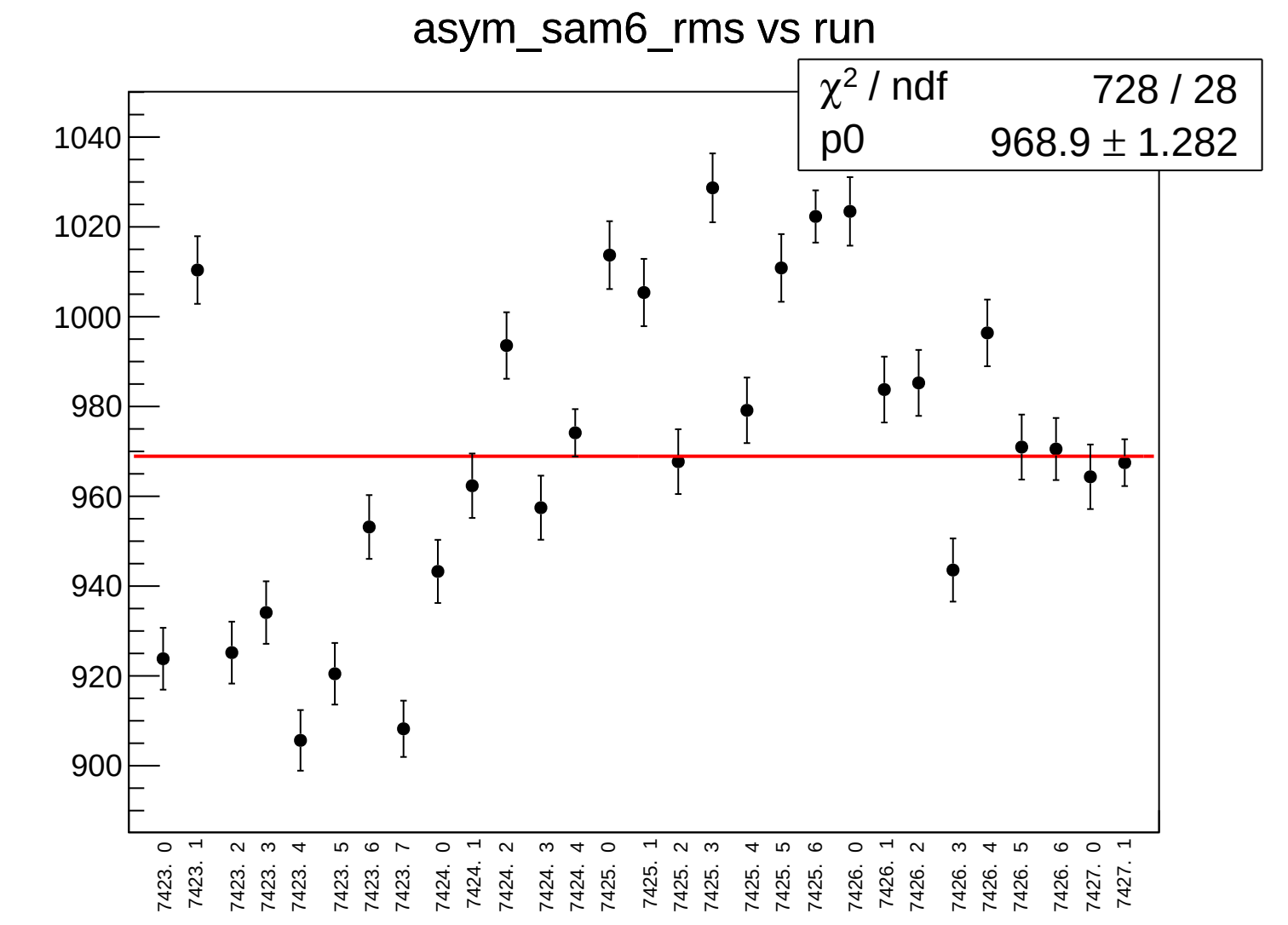

dit_asym_sam6_rms vs run
χ² / ndf 388.1 / 28
p0 199.1 ± 0.2633
208
206
204
202
200
198
196
194
192
190
188
186
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

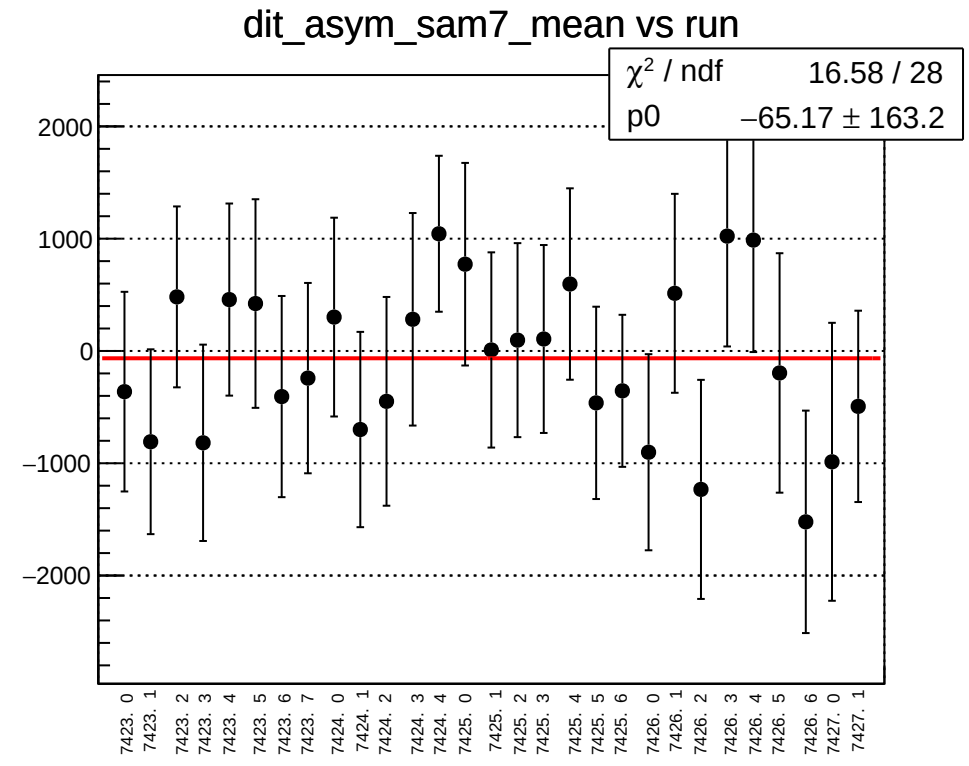

asym_sam6_correction_mean vs run
χ² / ndf 25.49 / 28
p0 −1272 ± 1850
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 35.71
Std Dev 21.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.02973
Std Dev 0.937
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

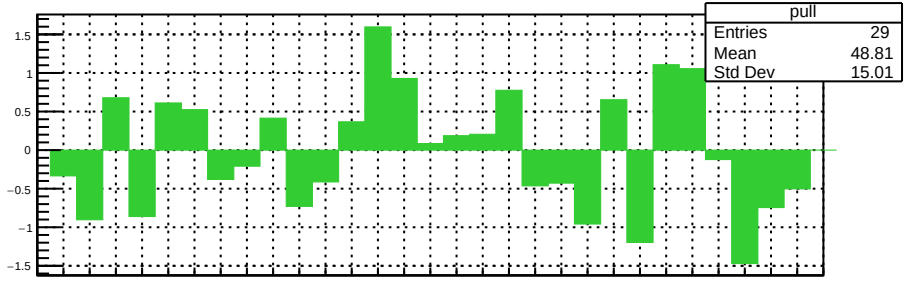

asym_sam6_correction_rms vs run
χ² / ndf 679.5 / 28
p0 988.9 ± 1.308
1080
1060
1040
1020
1000
980
960
940
920
900
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

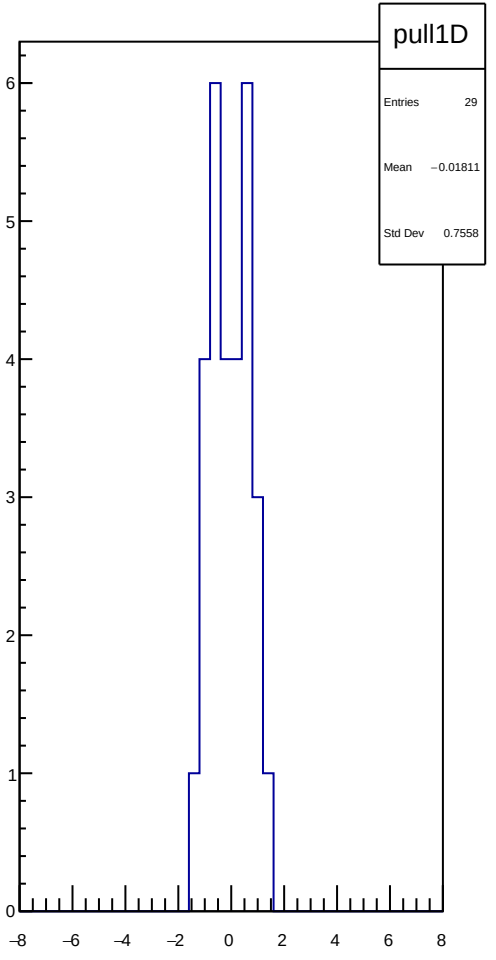

asym_sam6_mean vs run
χ² / ndf 22.8 / 28
p0 1062 ± 1813
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 44.45
Std Dev 31.01
1.5
1
0.5
0
−0.5
−1
−1.5
−2

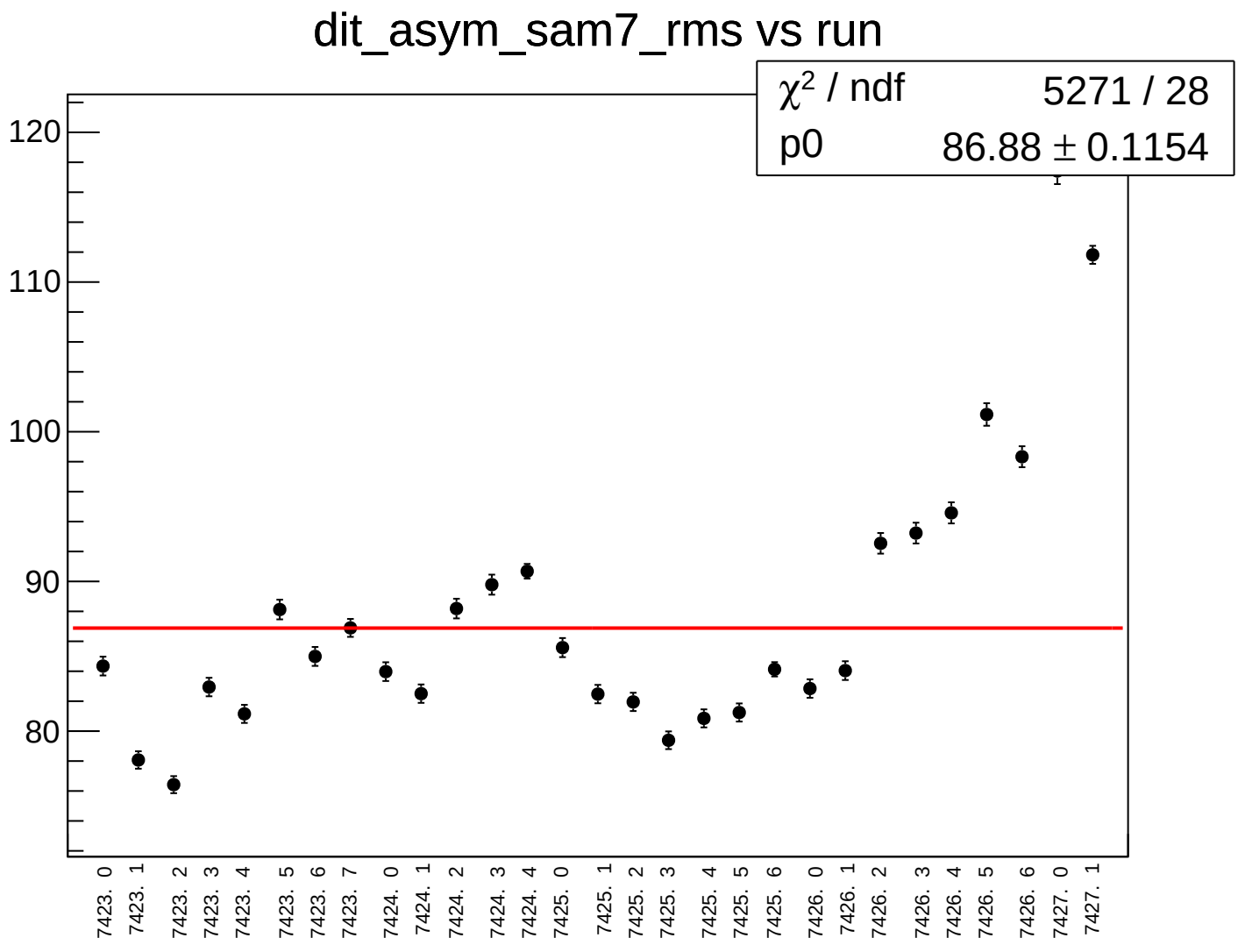

pull1D
Entries 29
Mean −0.02785
Std Dev 0.8863
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

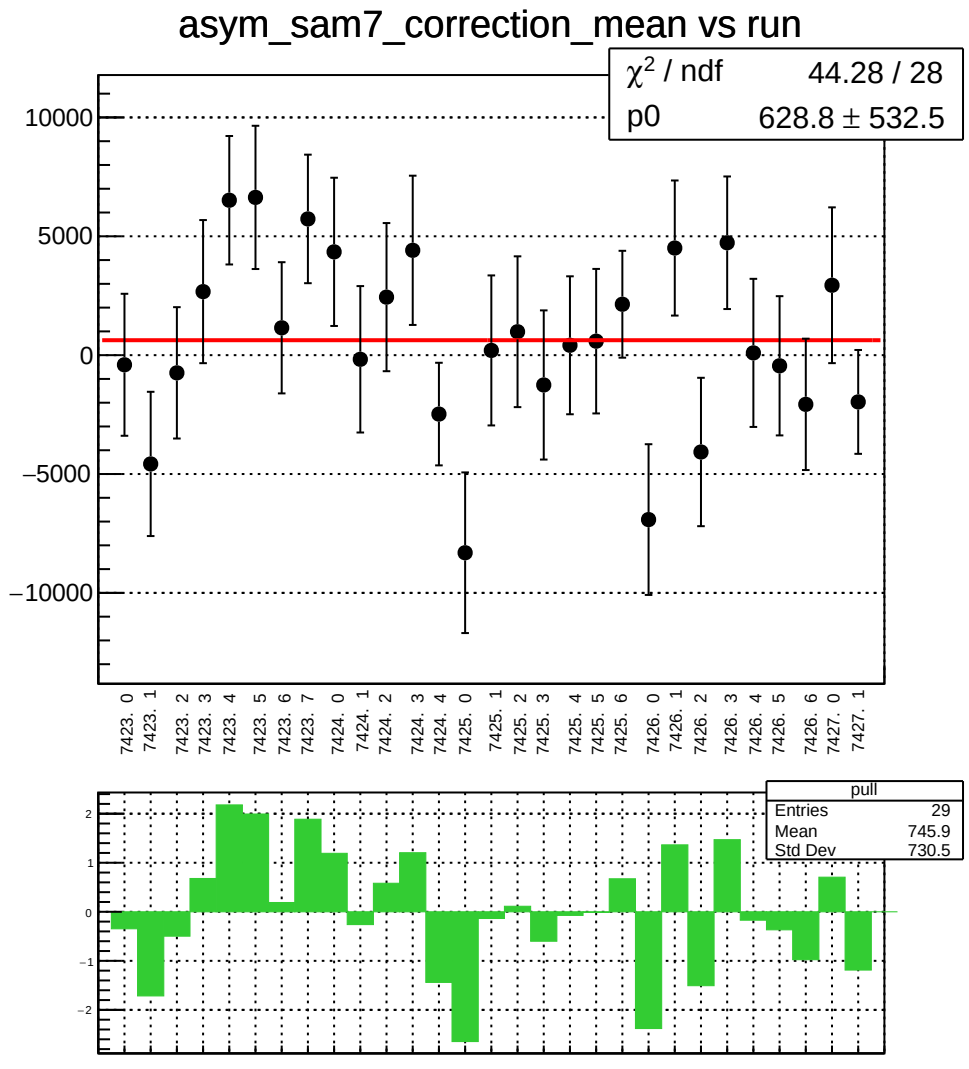

asym_sam6_rms vs run
χ² / ndf 728 / 28
p0 968.9 ± 1.282
1040
1020
1000
980
960
940
920
900
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

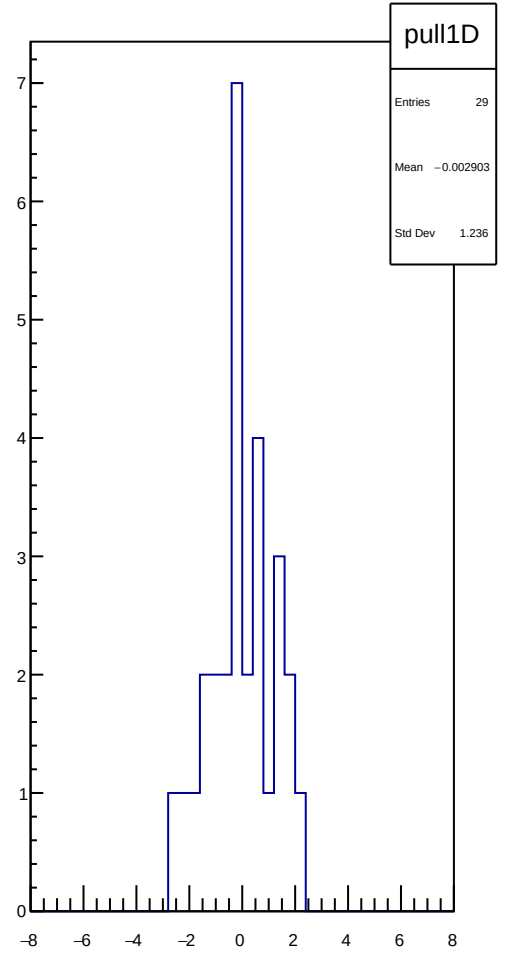

dit_asym_sam7_mean vs run
χ² / ndf 16.58 / 28
p0 −65.17 ± 163.2
2000
1000
0
−1000
−2000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

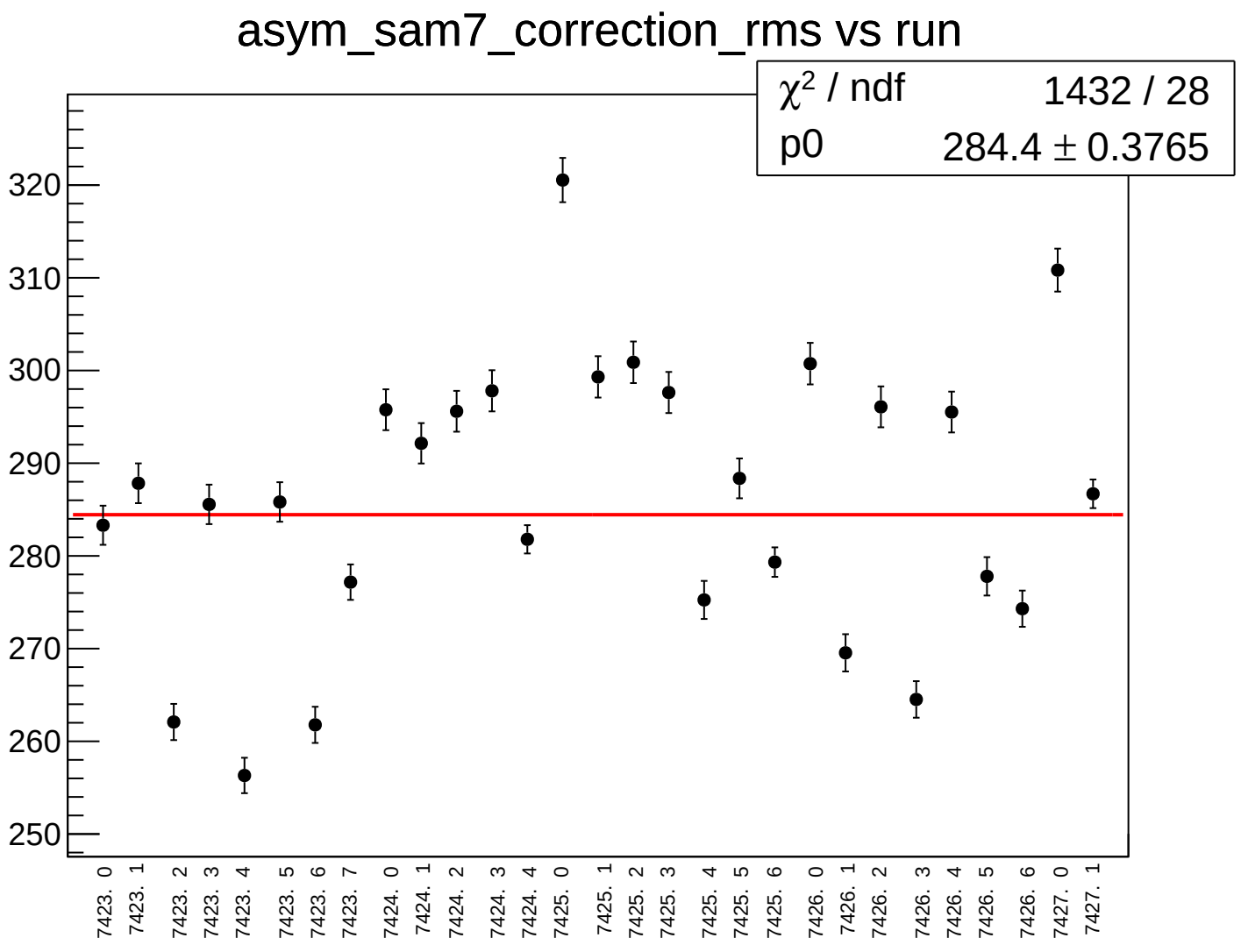

pull
Entries 29
Mean 48.81
Std Dev 15.01
1.5
1
0.5
0
−0.5
−1
−1.5

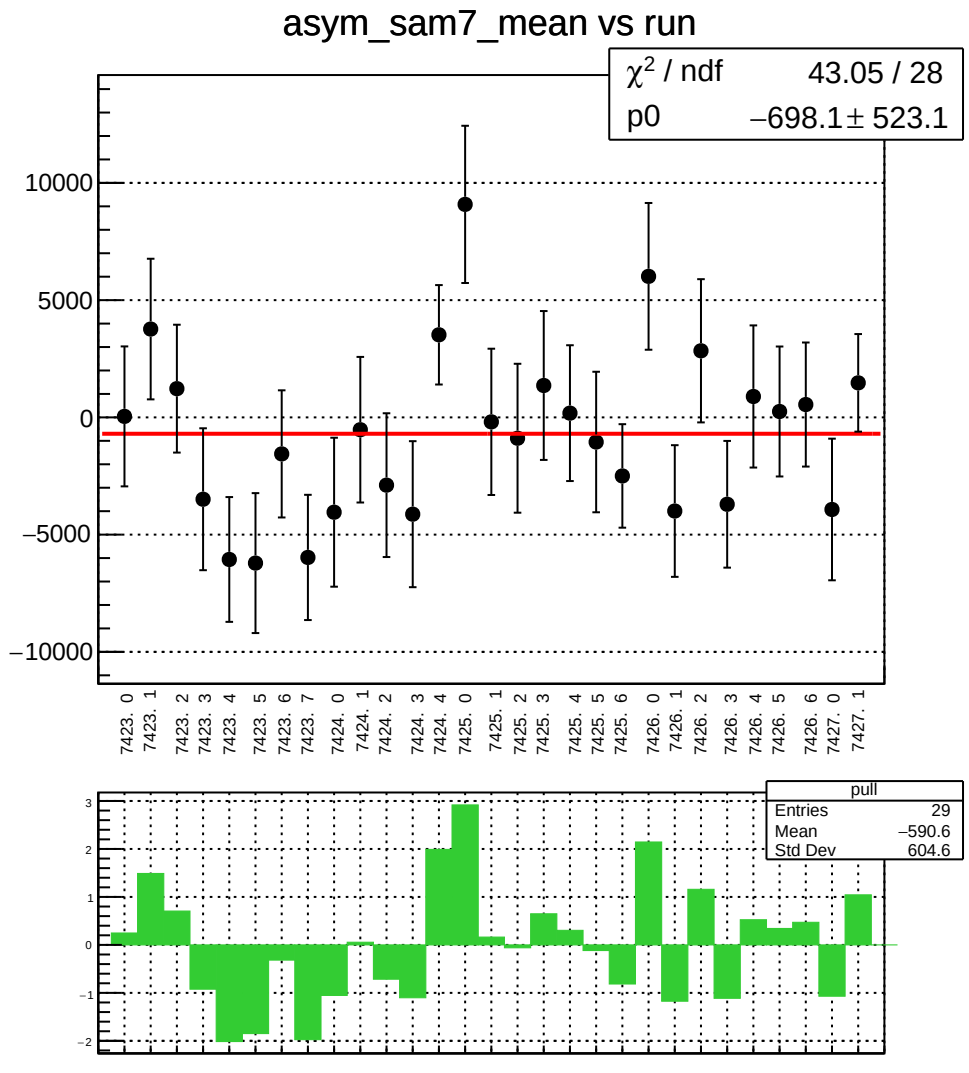

pull1D
Entries 29
Mean −0.01811
Std Dev 0.7558
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

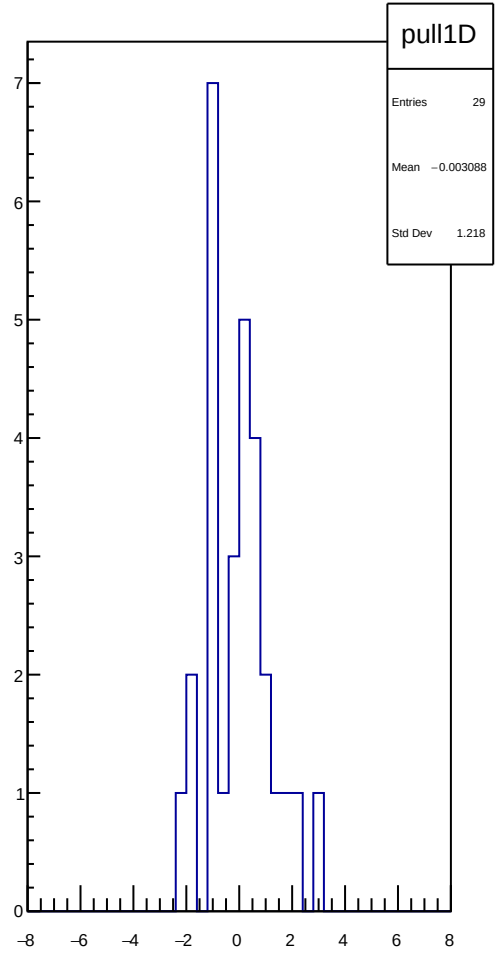

dit_asym_sam7_rms vs run
χ^2 / ndf 5271 / 28
p0 86.88 ± 0.1154
120
110
100
90
80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

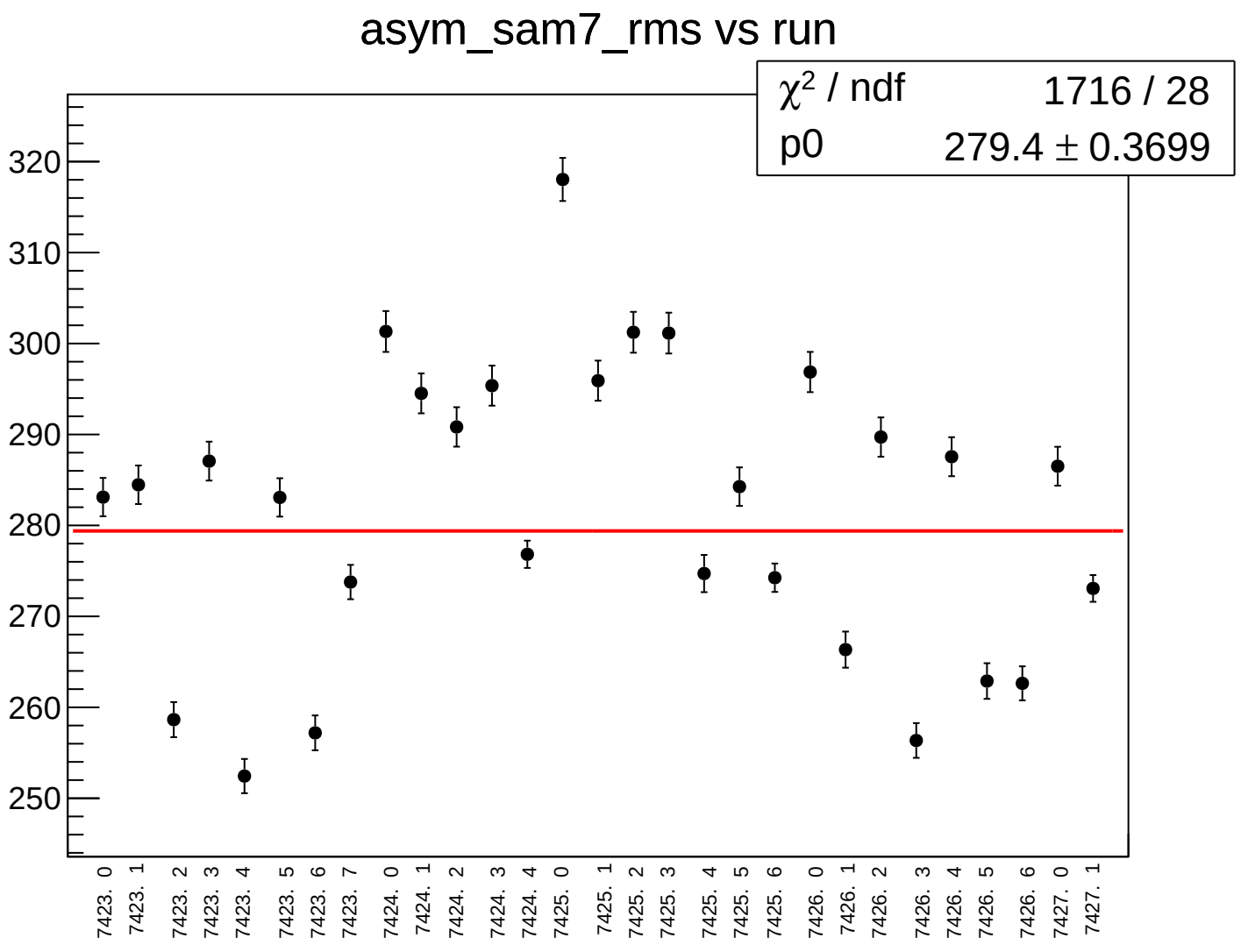

asym_sam7_correction_mean vs run
χ² / ndf 44.28 / 28
p0 628.8 ± 532.5
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 745.9
Std Dev 730.5
2
1
0
−1
−2

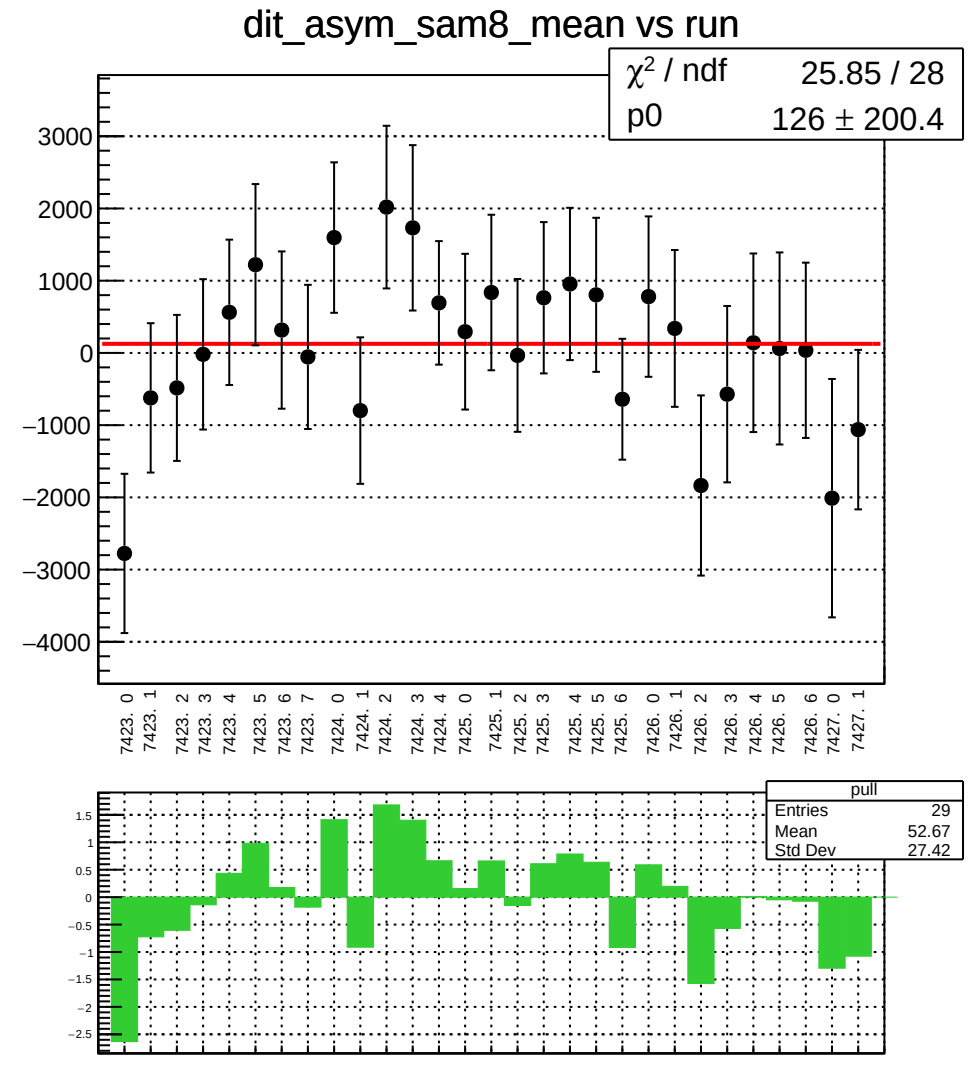

pull1D
Entries 29
Mean −0.002903
Std Dev 1.236
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

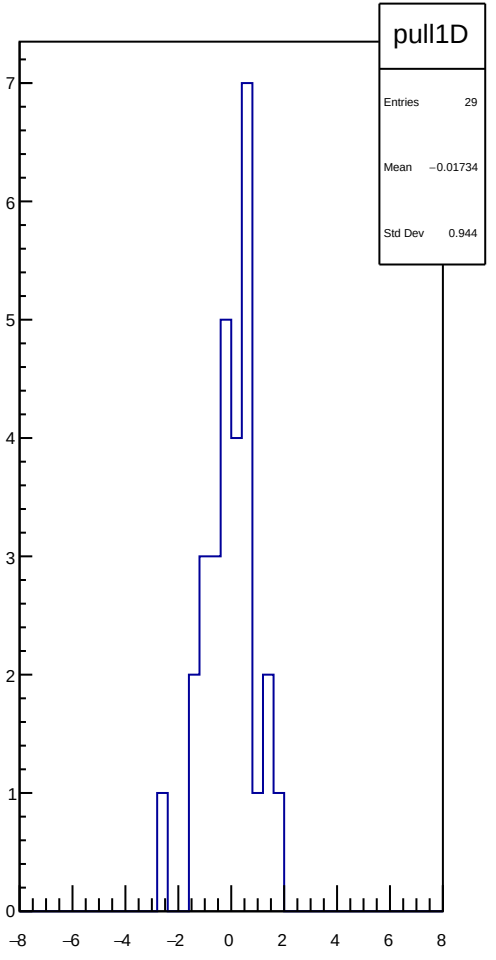

asym_sam7_correction_rms vs run
χ² / ndf 1432 / 28
p0 284.4 ± 0.3765
320
310
300
290
280
270
260
250
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

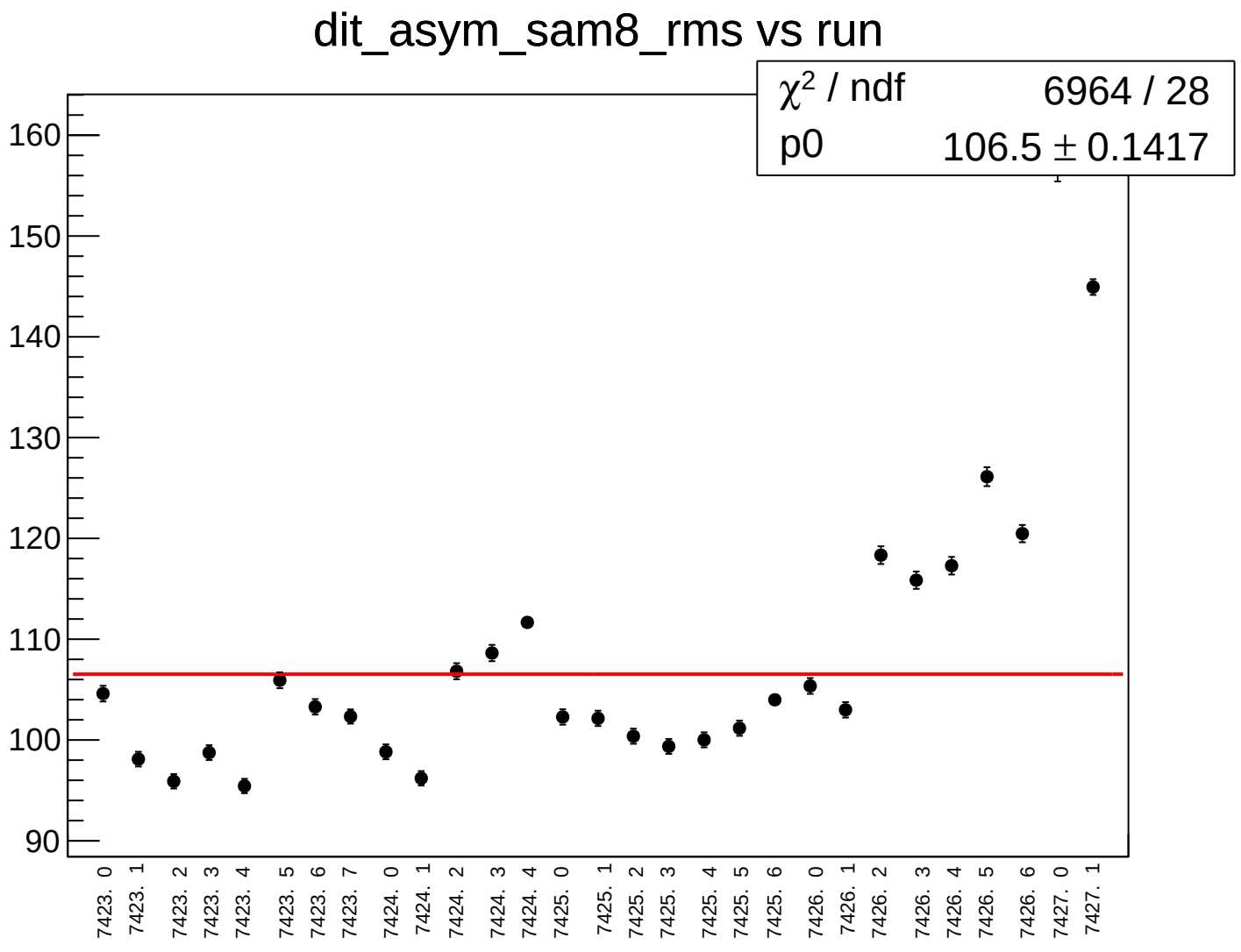

asym_sam7_mean vs run
χ² / ndf 43.05 / 28
p0 −698.1 ± 523.1
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −590.6
Std Dev 604.6
3
2
1
0
−1
−2

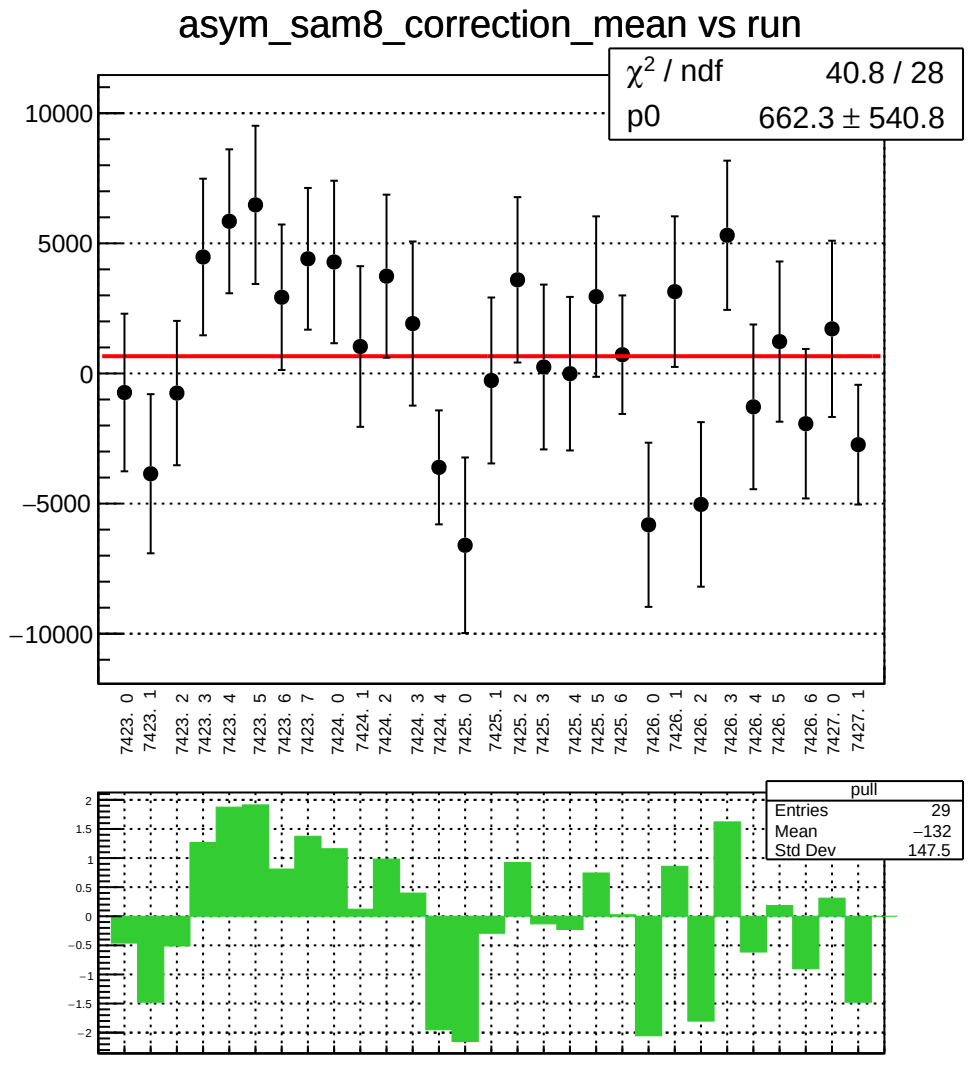

pull1D
Entries 29
Mean −0.003088
Std Dev 1.218
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

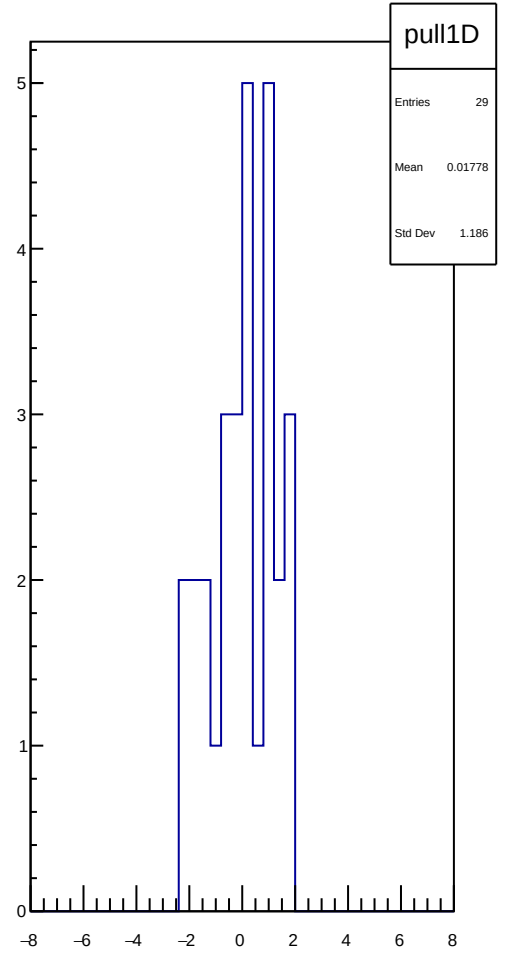

asym_sam7_rms vs run
χ² / ndf 1716 / 28
p0 279.4 ± 0.3699
320
310
300
290
280
270
260
250
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

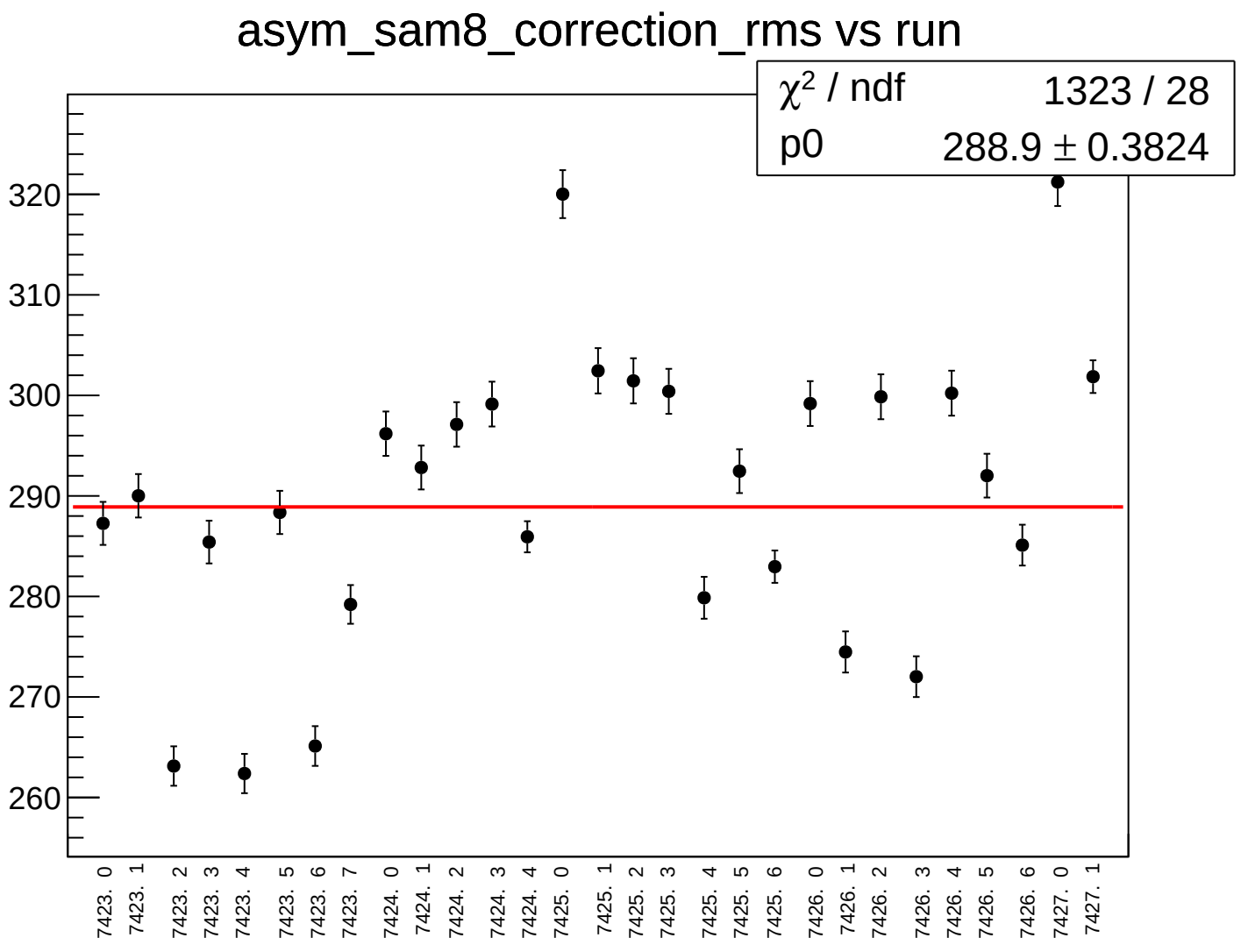

dit_asym_sam8_mean vs run
χ² / ndf 25.85 / 28
p0 126 ± 200.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 52.67
Std Dev 27.42
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

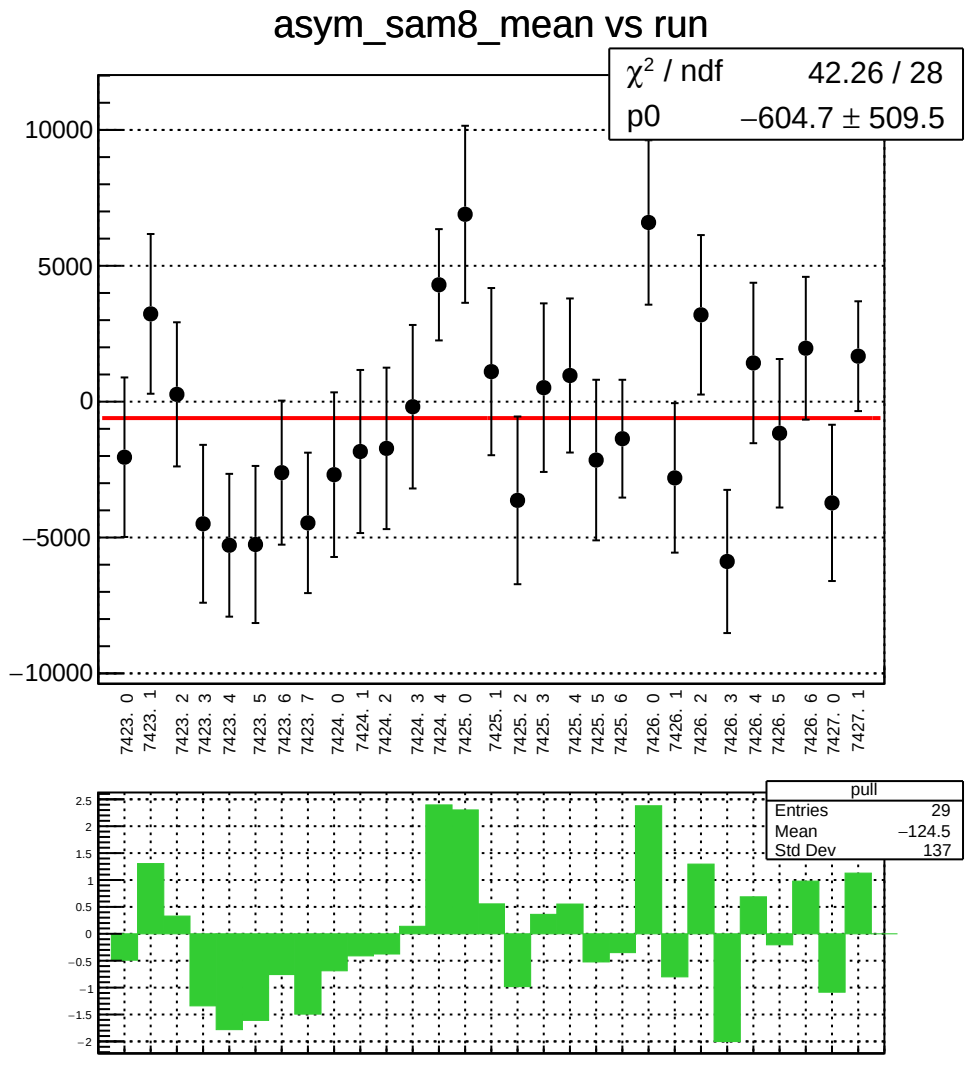

pull1D
Entries 29
Mean −0.01734
Std Dev 0.944
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

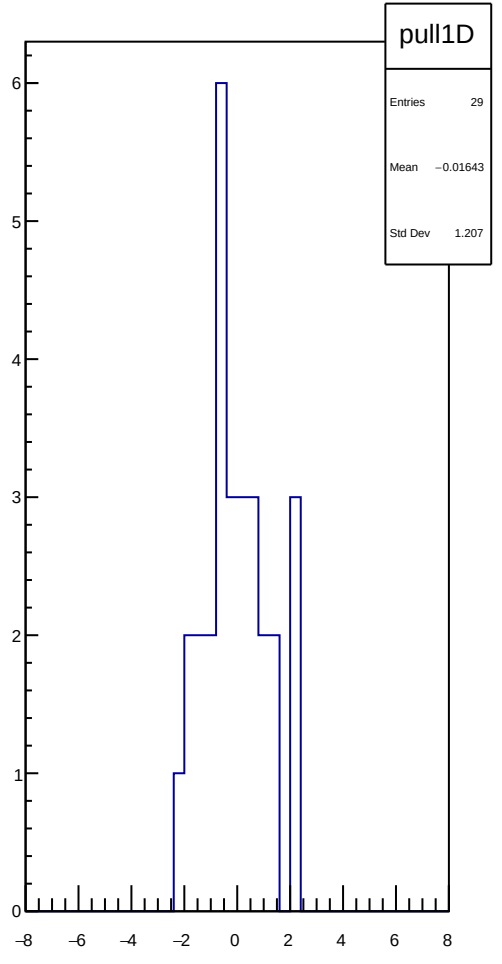

dit_asym_sam8_rms vs run
χ² / ndf 6964 / 28
p0 106.5 ± 0.1417
160
150
140
130
120
110
100
90
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

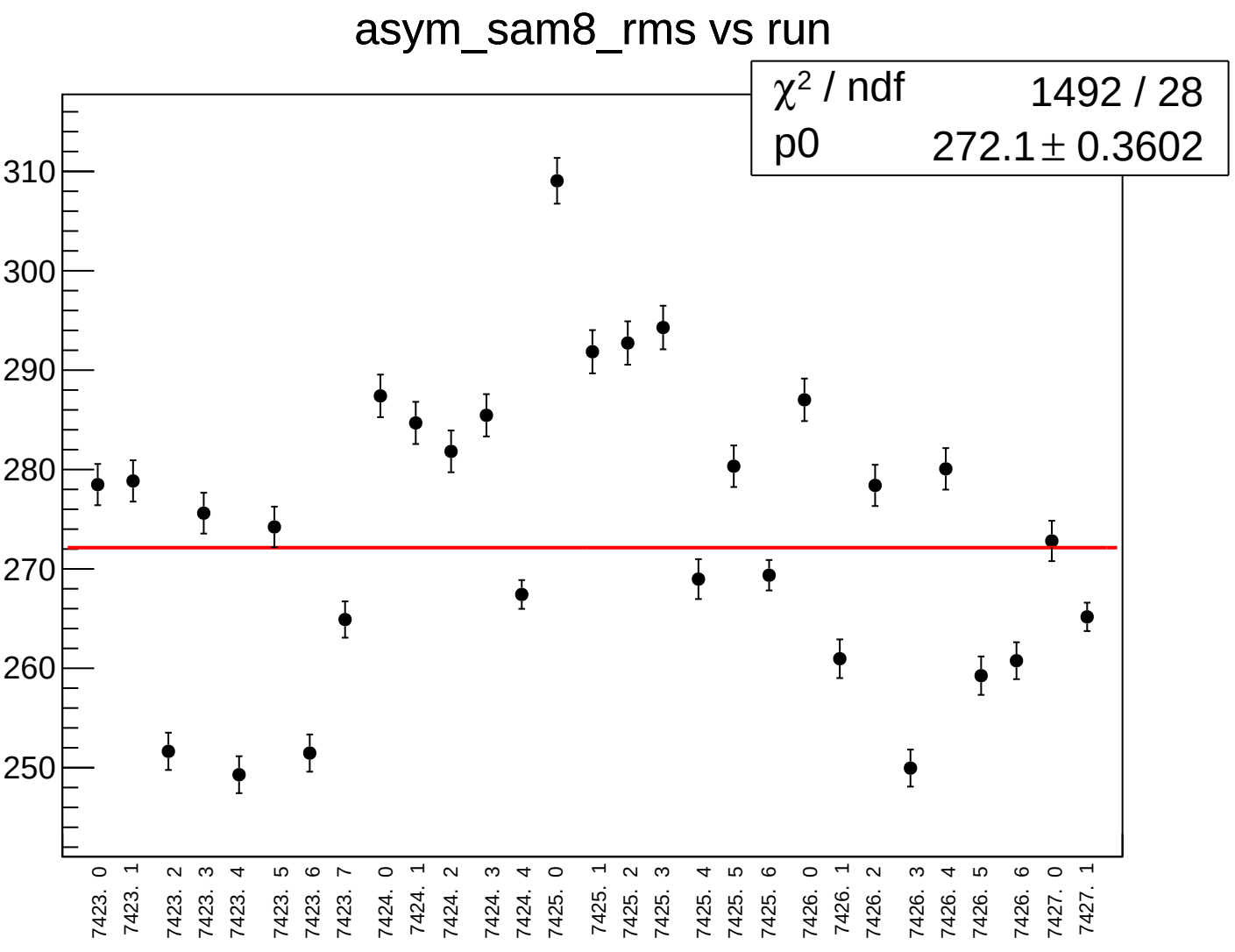

asym_sam8_correction_mean vs run
χ² / ndf 40.8 / 28
p0 662.3 ± 540.8
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −132
Std Dev 147.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

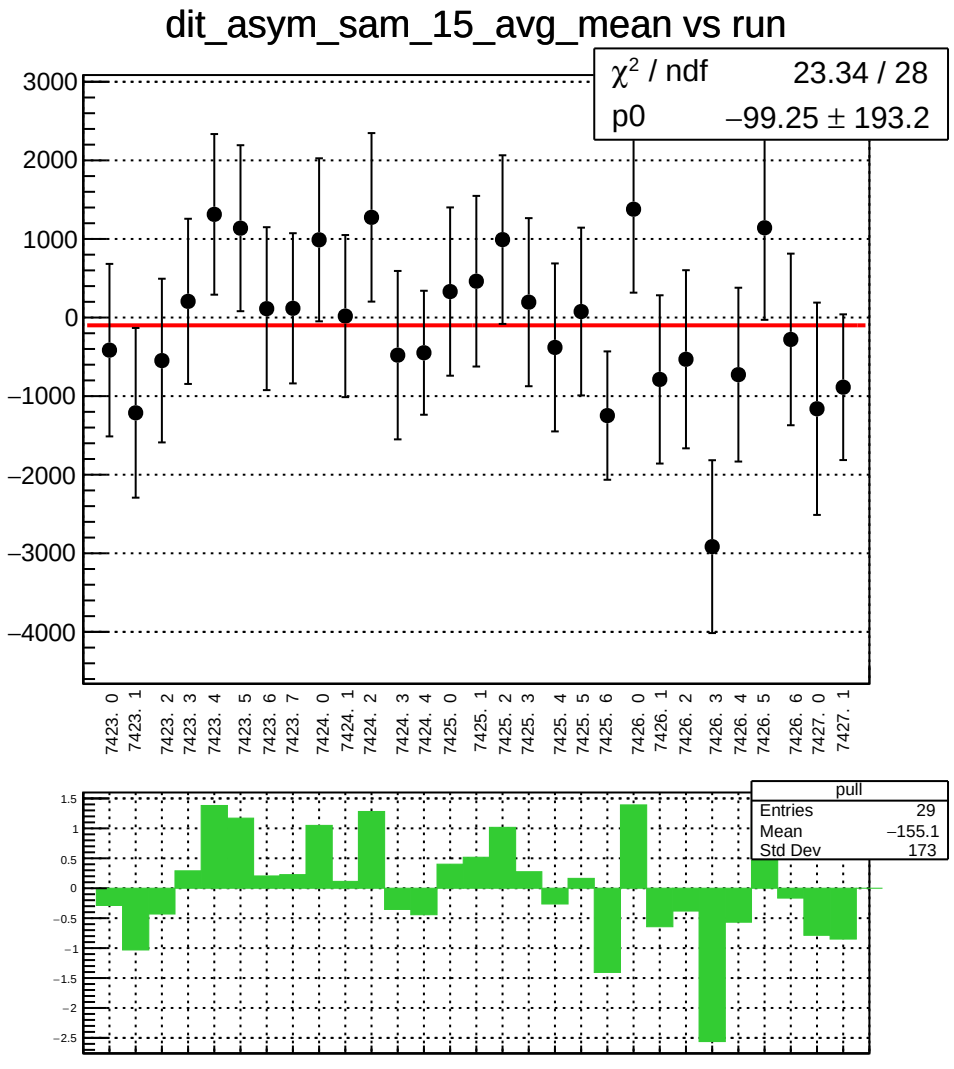

pull1D
Entries 29
Mean 0.01778
Std Dev 1.186
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

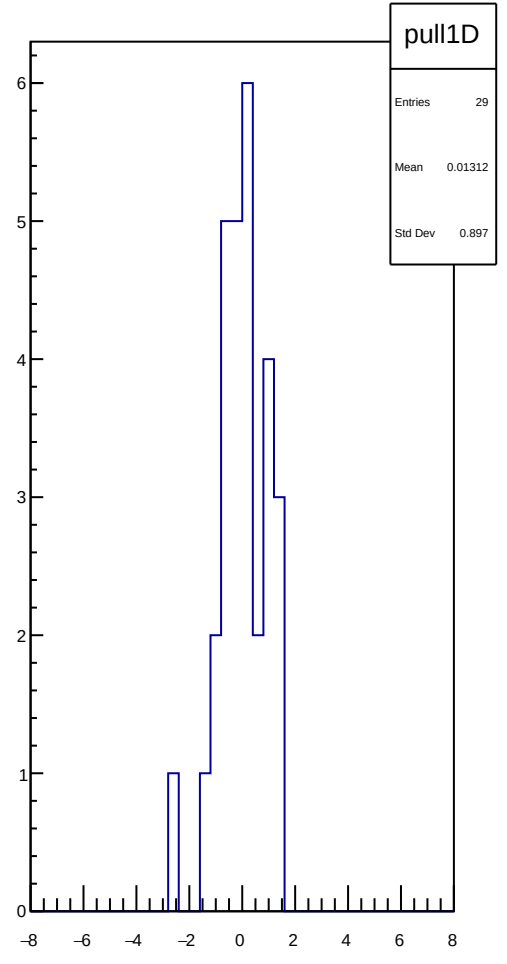

asym_sam8_correction_rms vs run
χ² / ndf 1323 / 28
p0 288.9 ± 0.3824
320
310
300
290
280
270
260
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

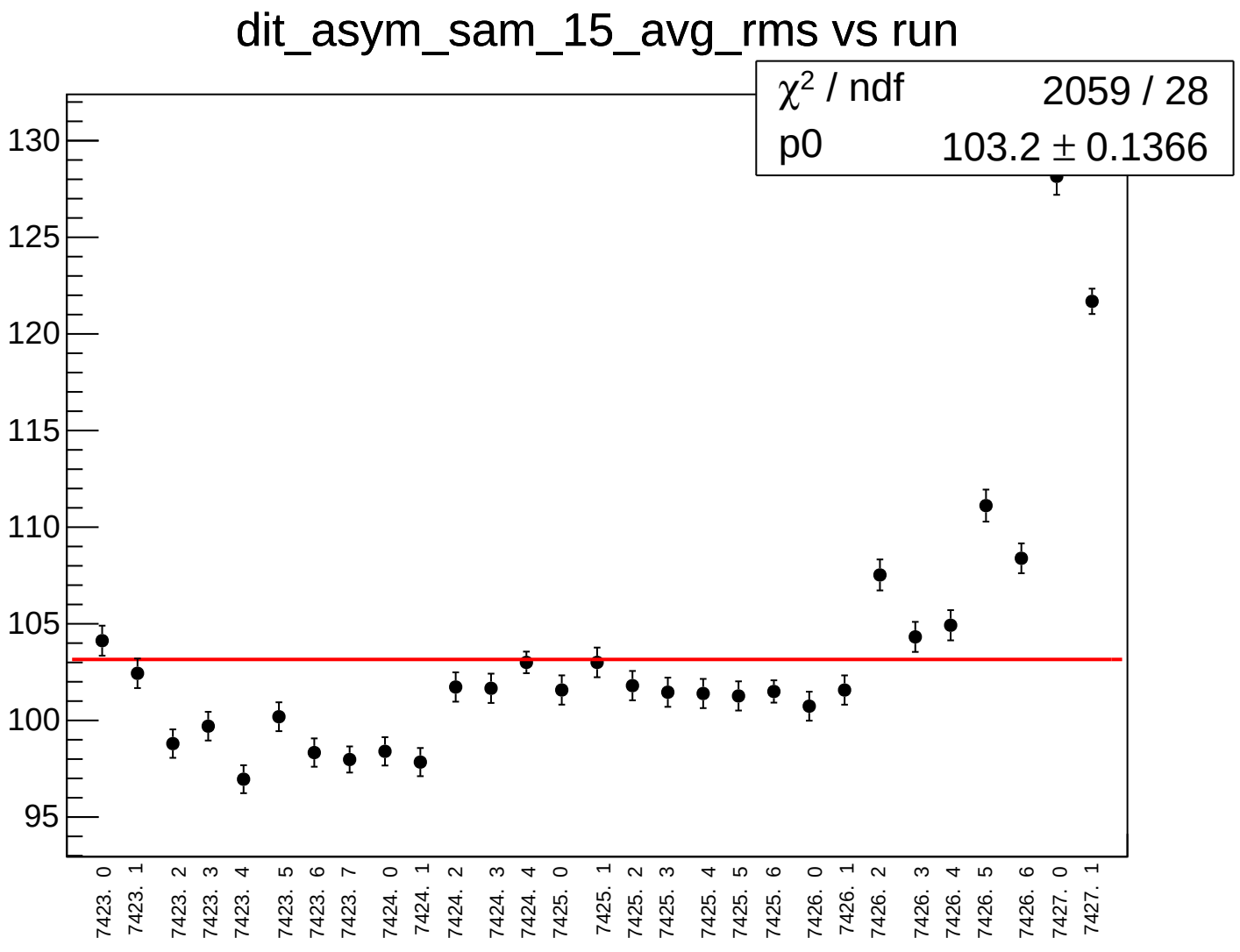

asym_sam8_mean vs run
χ² / ndf 42.26 / 28
p0 −604.7 ± 509.5
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −124.5
Std Dev 137
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

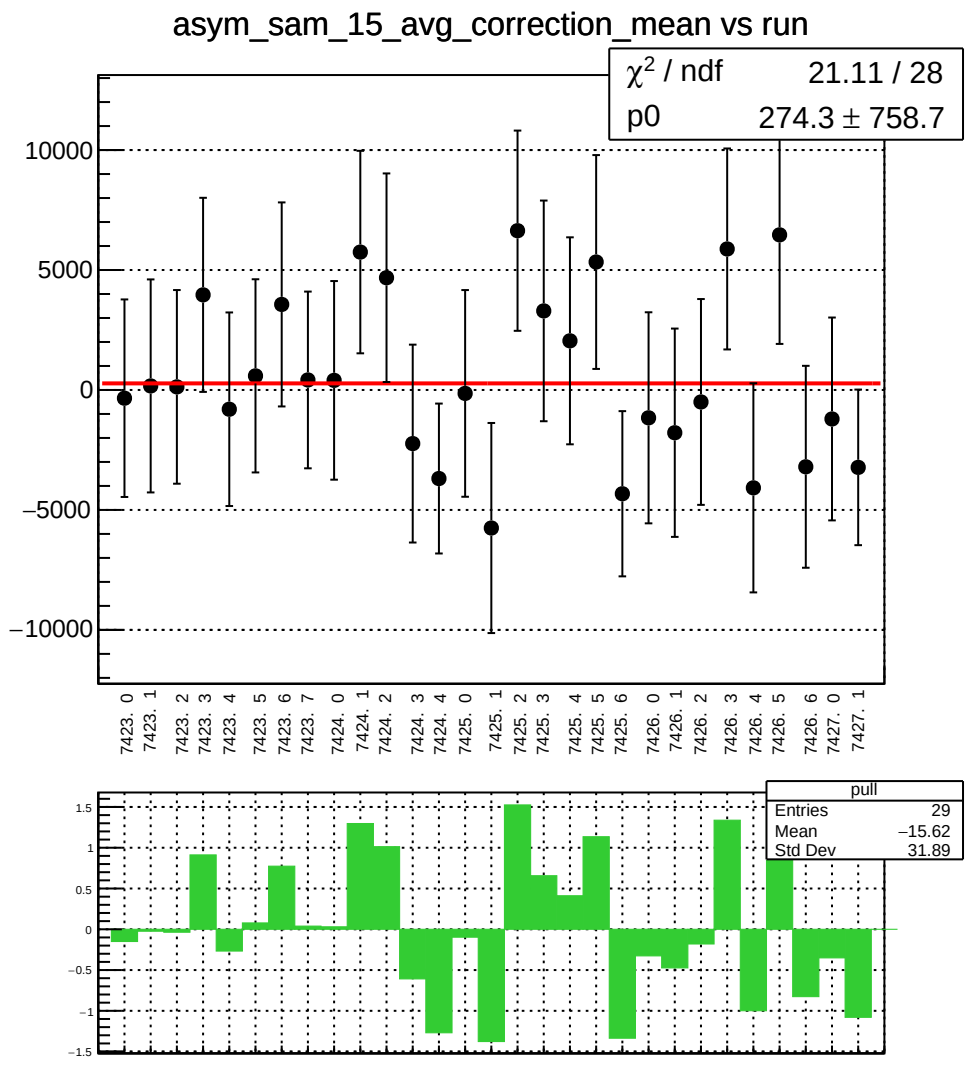

pull1D
Entries 29
Mean −0.01643
Std Dev 1.207
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

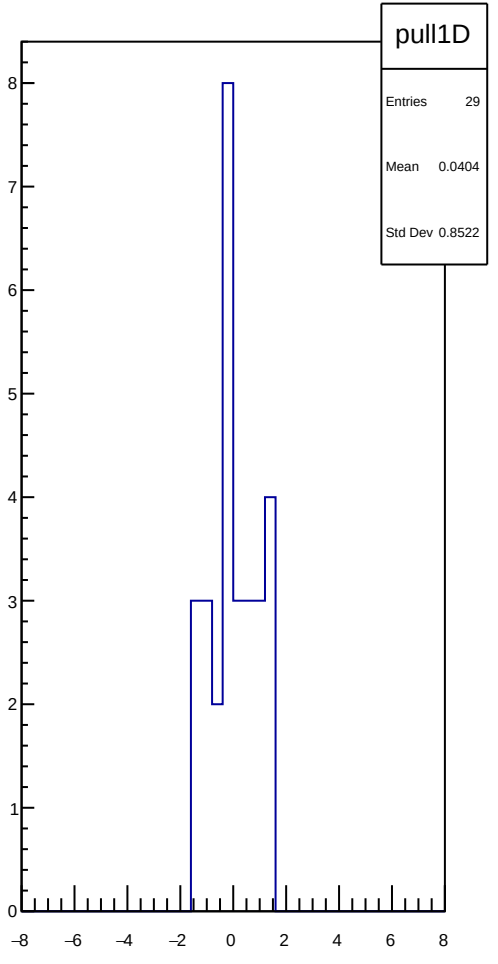

asym_sam8_rms vs run
χ² / ndf 1492 / 28
p0 272.1 ± 0.3602
310
300
290
280
270
260
250
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

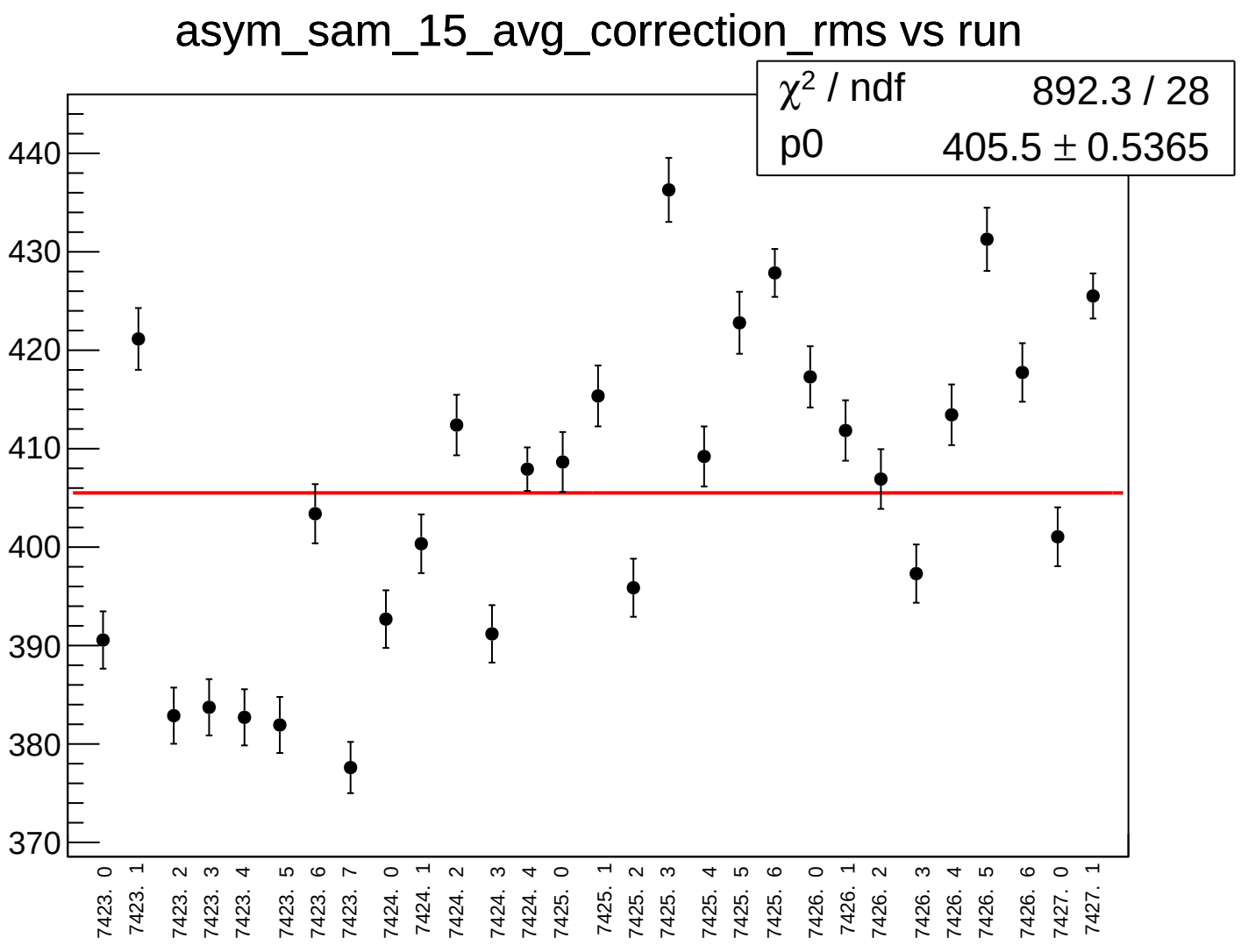

dit_asym_sam_15_avg_mean vs run
χ² / ndf 23.34 / 28
p0 −99.25 ± 193.2
3000
2000
1000
0
−1000
−2000
−3000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −155.1
Std Dev 173
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

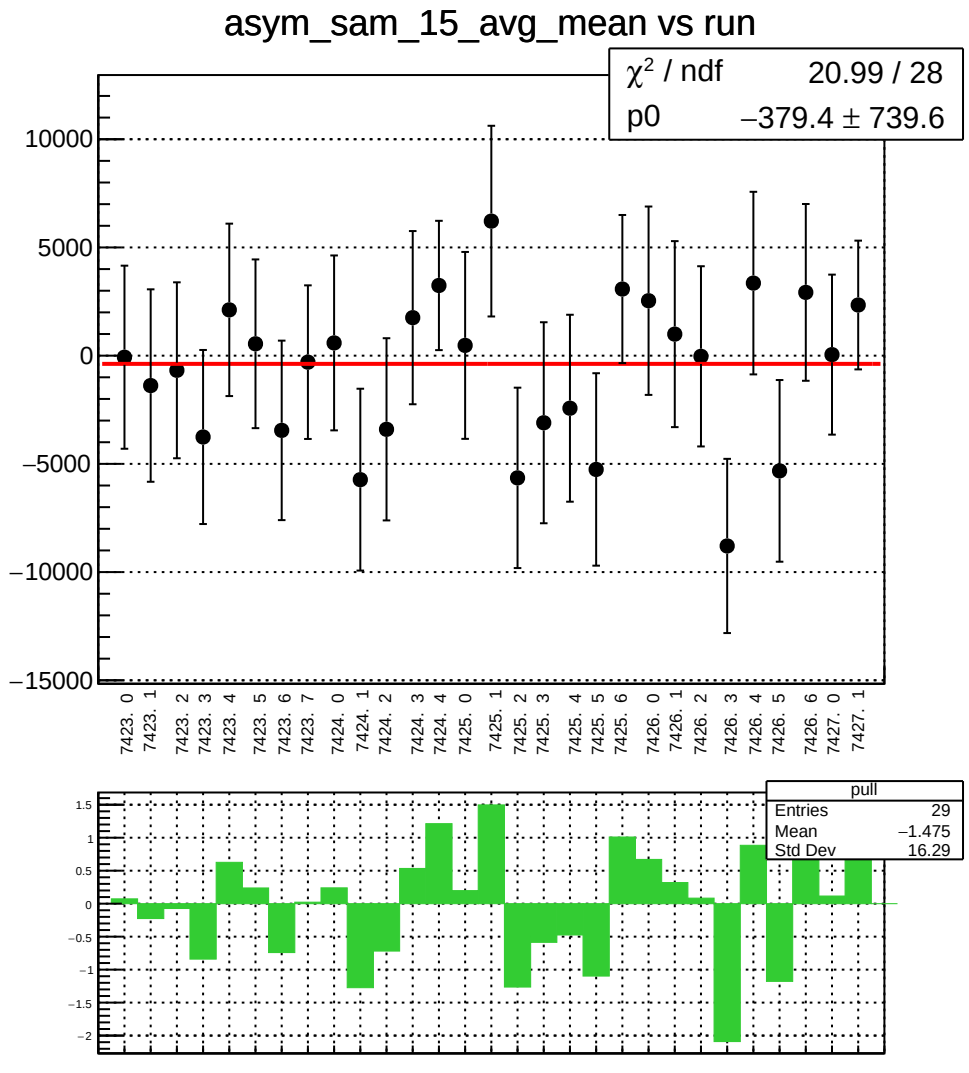

pull1D
Entries 29
Mean 0.01312
Std Dev 0.897
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

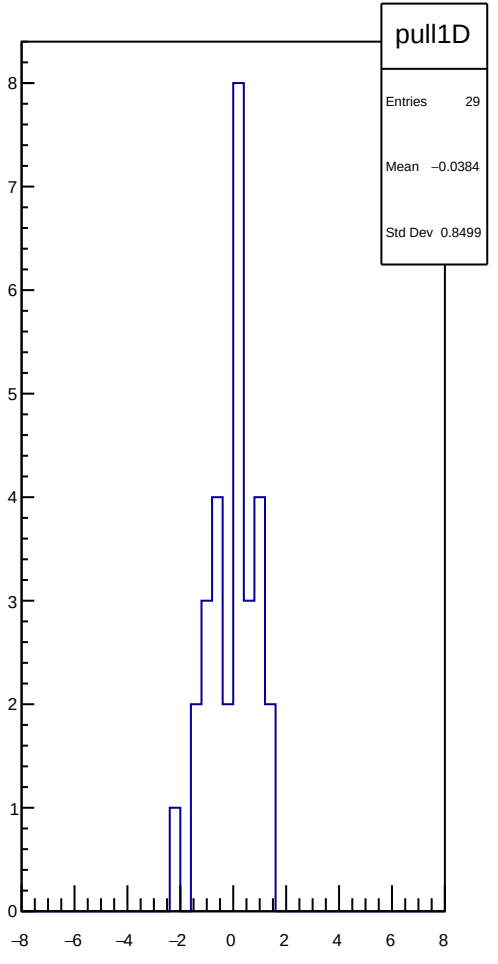

dit_asym_sam_15_avg_rms vs run
χ² / ndf 2059 / 28
p0 103.2 ± 0.1366
130
125
120
115
110
105
100
95
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

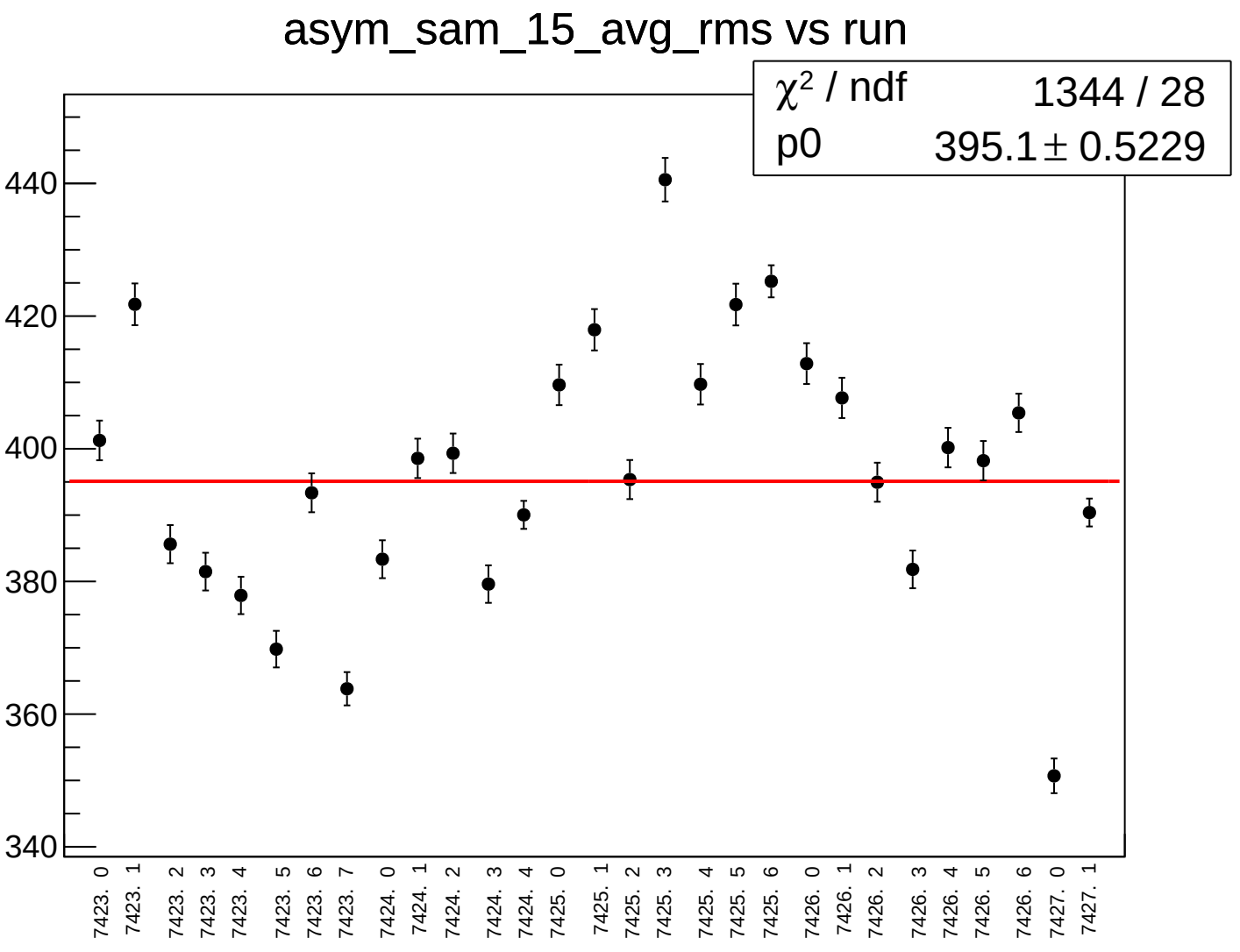

asym_sam_15_avg_correction_mean vs run
χ² / ndf 21.11 / 28
p0 274.3 ± 758.7
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −15.62
Std Dev 31.89
1.5
1
0.5
0
−0.5
−1
−1.5

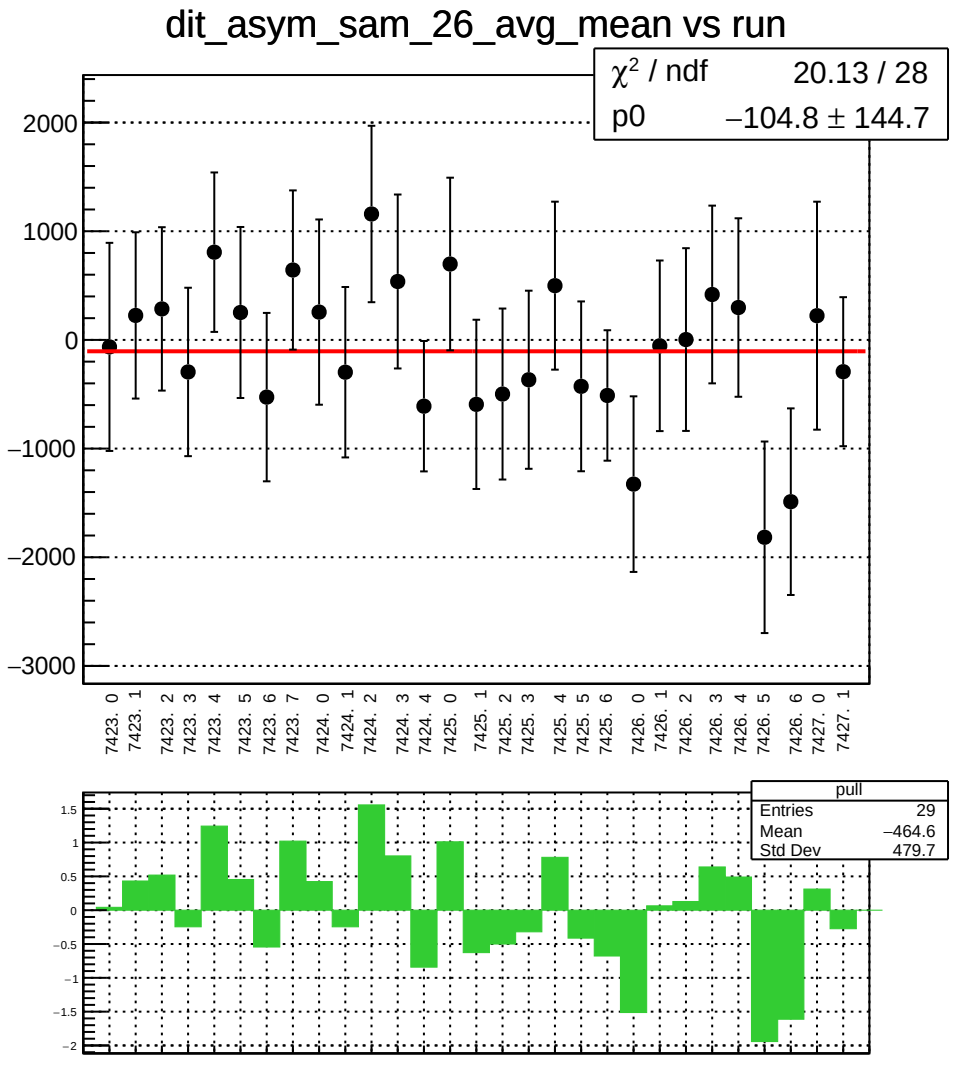

pull1D
Entries 29
Mean 0.0404
Std Dev 0.8522
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

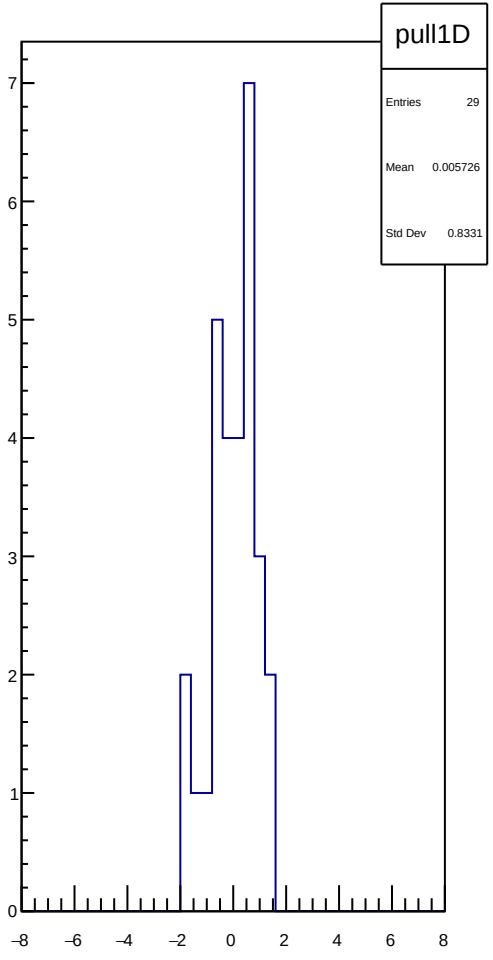

asym_sam_15_avg_correction_rms vs run
χ² / ndf 892.3 / 28
p0 405.5 ± 0.5365
440
430
420
410
400
390
380
370
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

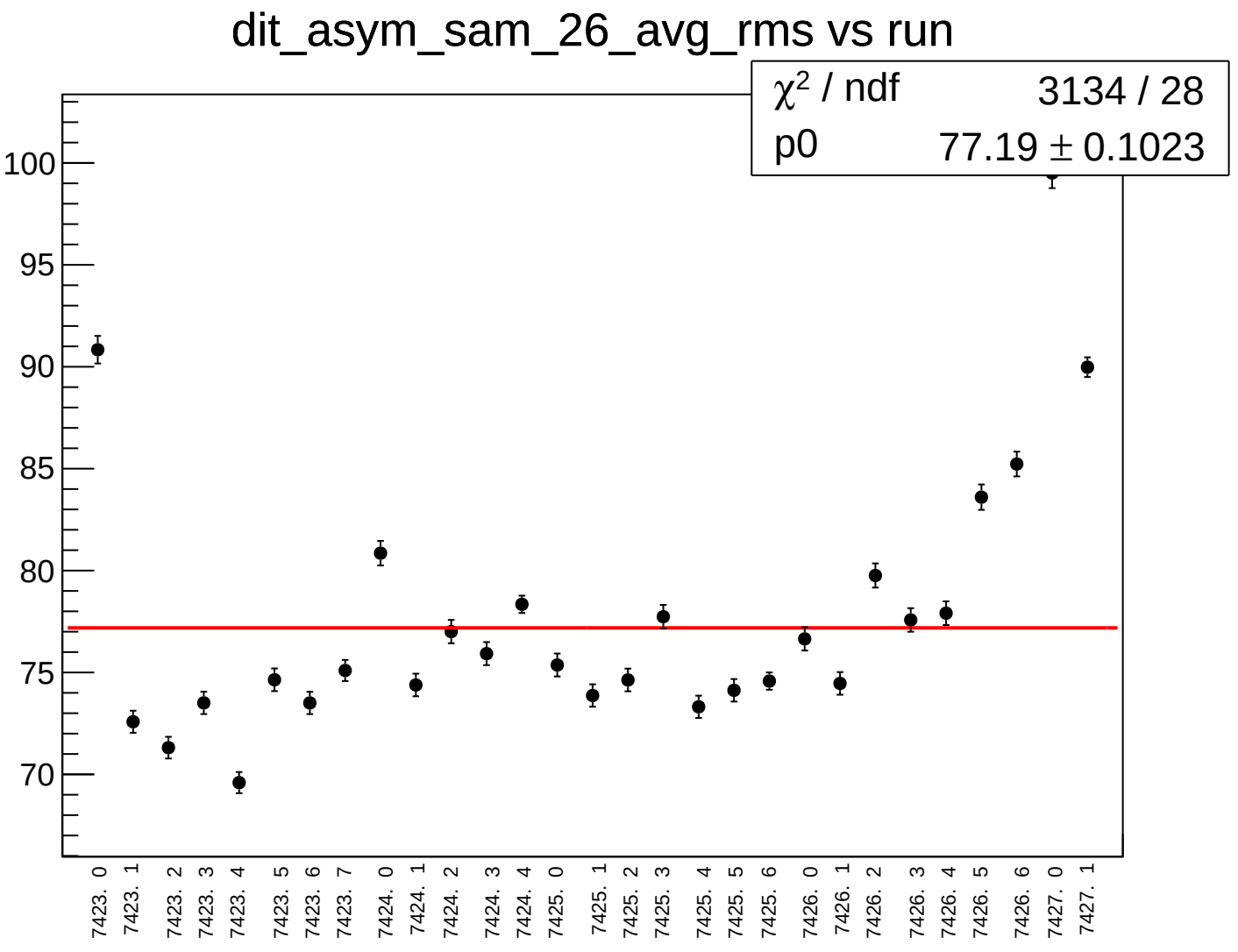

asym_sam_15_avg_mean vs run
χ² / ndf 20.99 / 28
p0 −379.4 ± 739.6
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −1.475
Std Dev 16.29
1.5
1
0.5
0
−0.5
−1
−1.5
−2

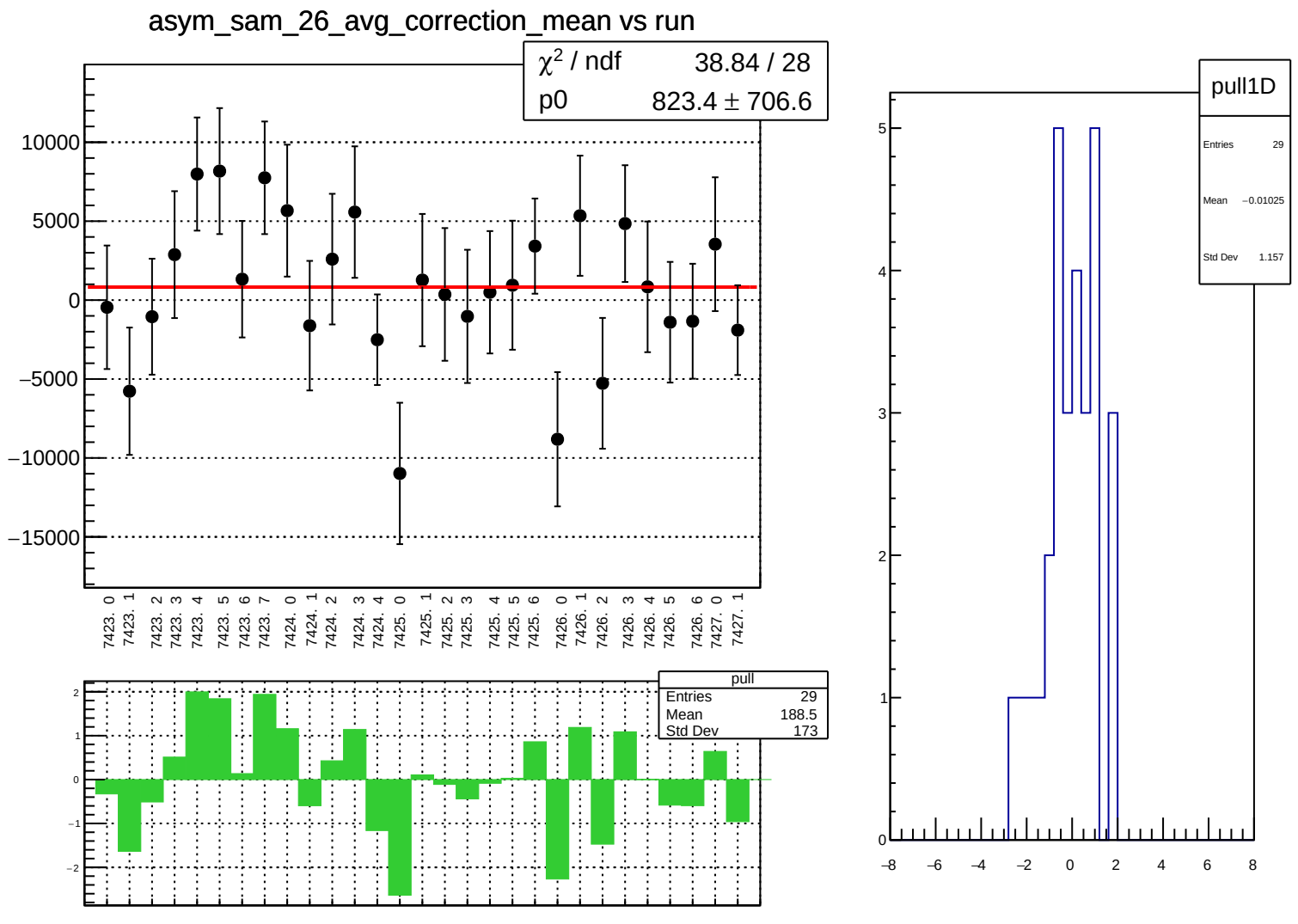

pull1D
Entries 29
Mean −0.0384
Std Dev 0.8499
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

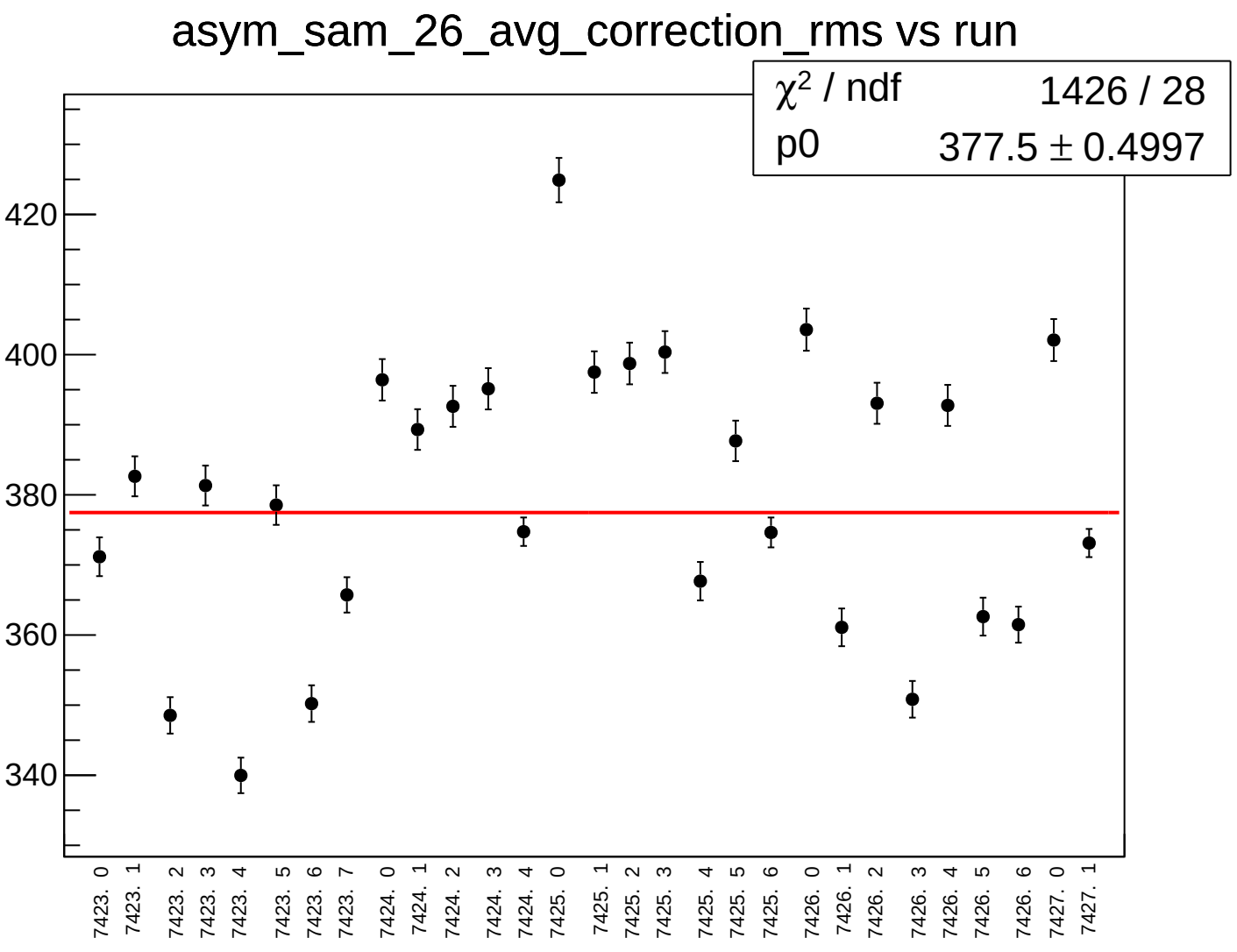

asym_sam_15_avg_rms vs run
χ² / ndf 1344 / 28
p0 395.1 ± 0.5229
440
420
400
380
360
340
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

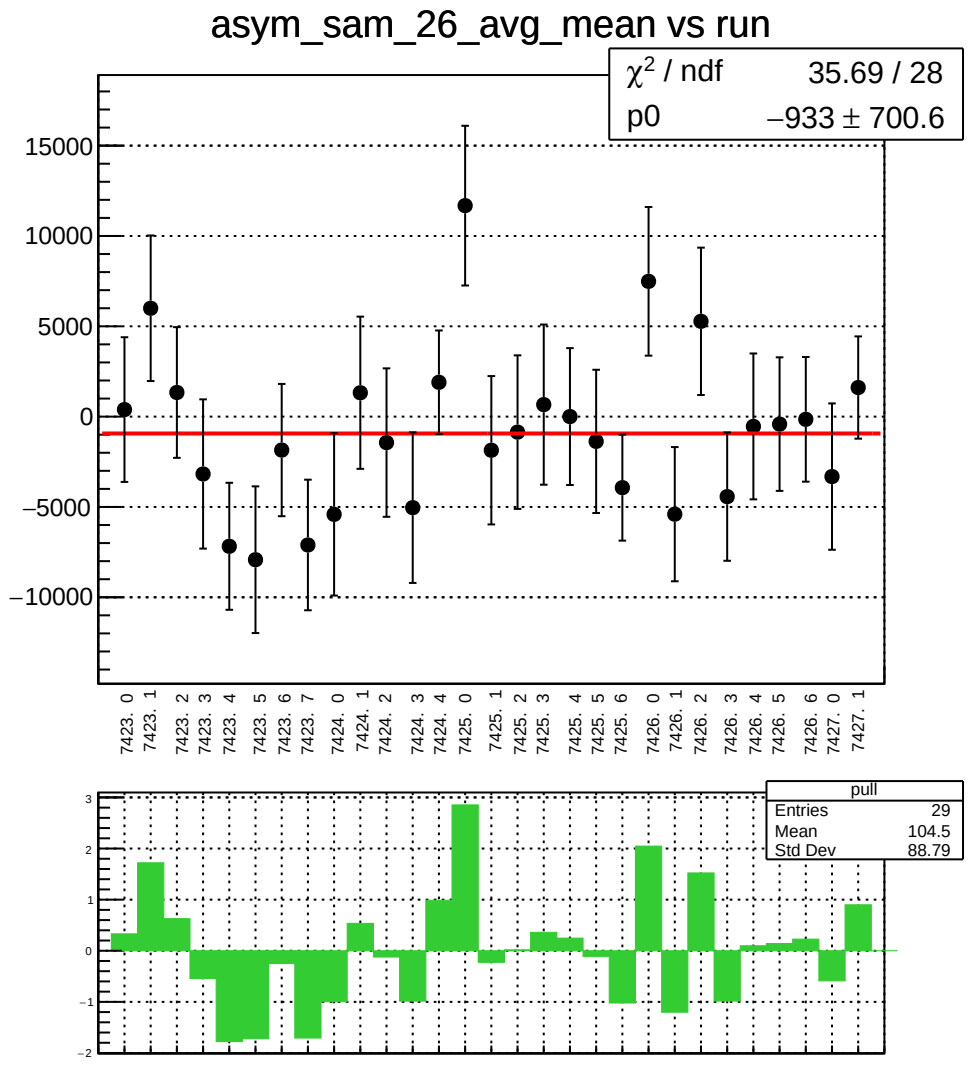

dit_asym_sam_26_avg_mean vs run
χ² / ndf 20.13 / 28
p0 −104.8 ± 144.7
2000
1000
0
−1000
−2000
−3000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −464.6
Std Dev 479.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

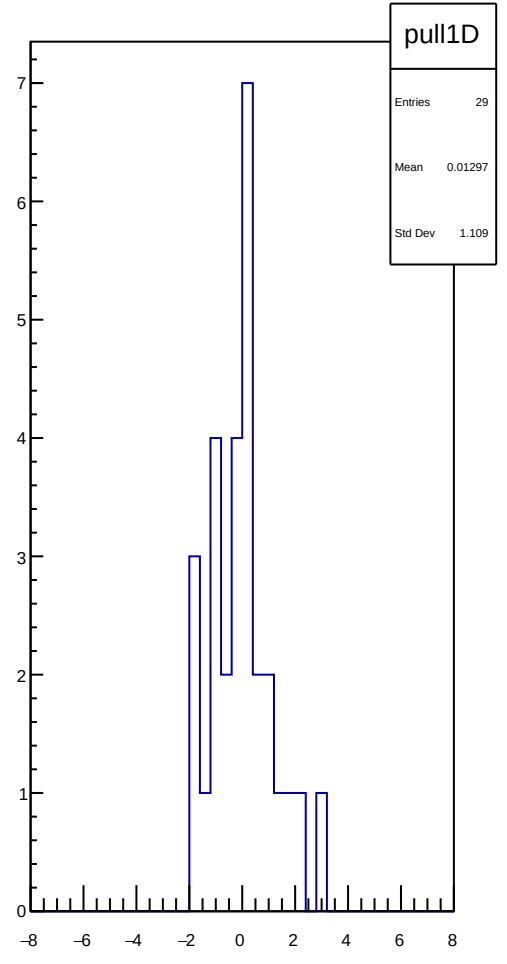

pull1D
Entries 29
Mean 0.005726
Std Dev 0.8331
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

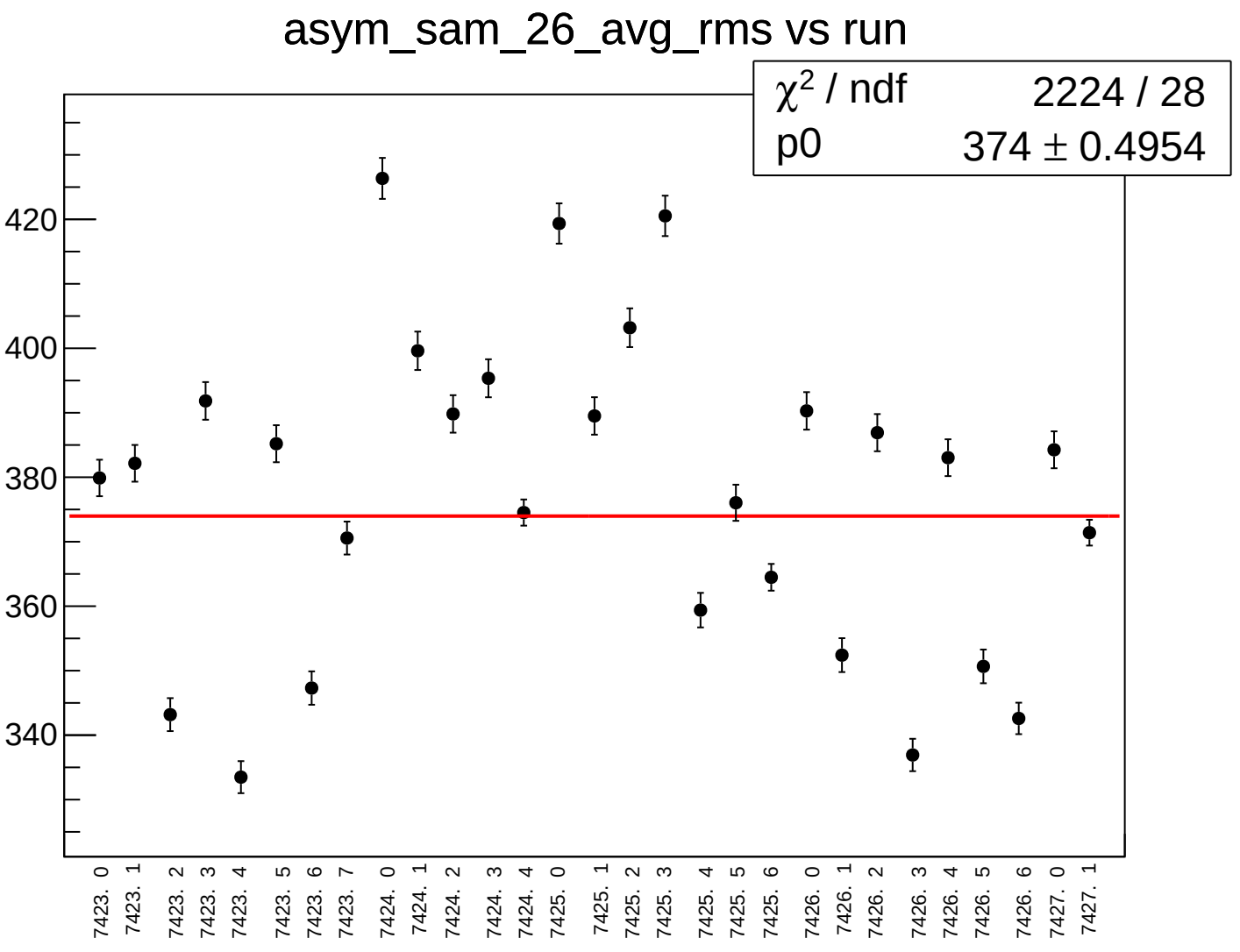

dit_asym_sam_26_avg_rms vs run
χ² / ndf 3134 / 28
p0 77.19 ± 0.1023
100
95
90
85
80
75
70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

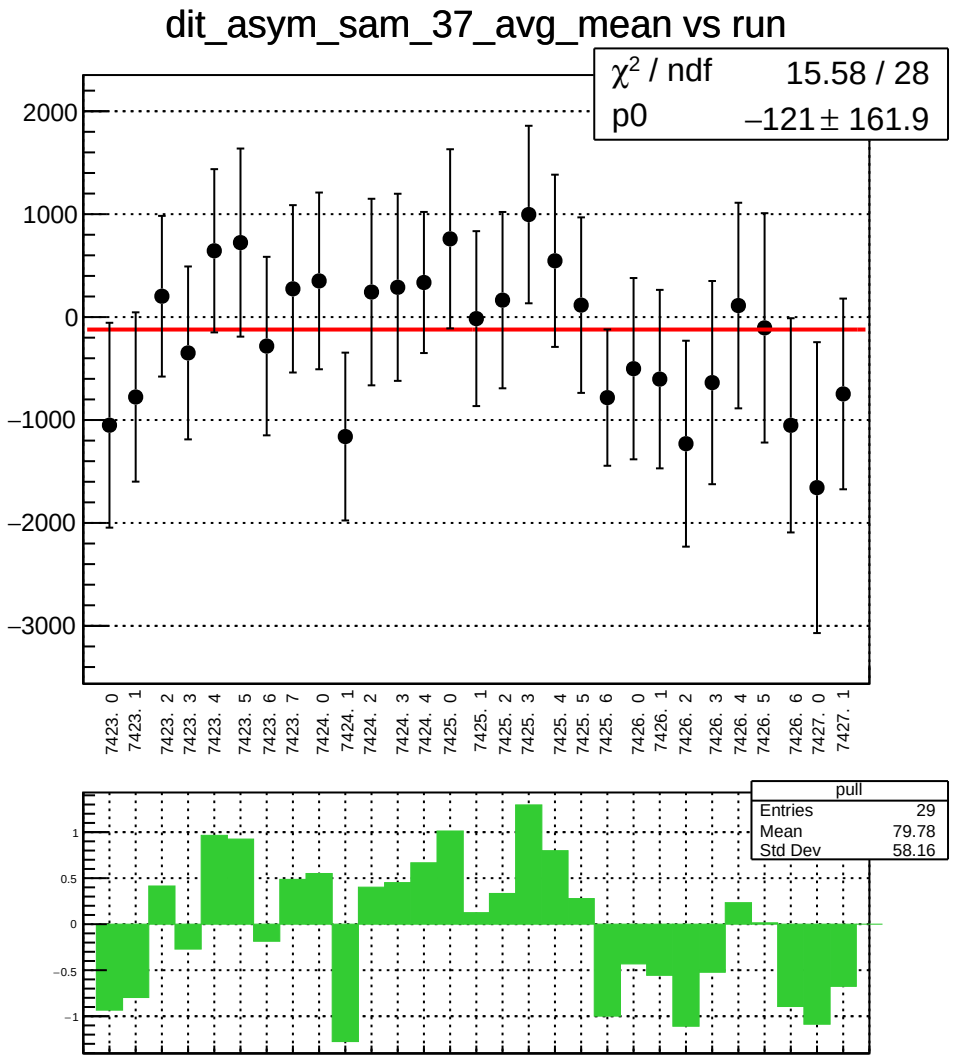

asym_sam_26_avg_correction_mean vs run
χ² / ndf 38.84 / 28
p0 823.4 ± 706.6
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 188.5
Std Dev 173
2
1
0
−1
−2
pull1D
Entries 29
Mean −0.01025
Std Dev 1.157
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

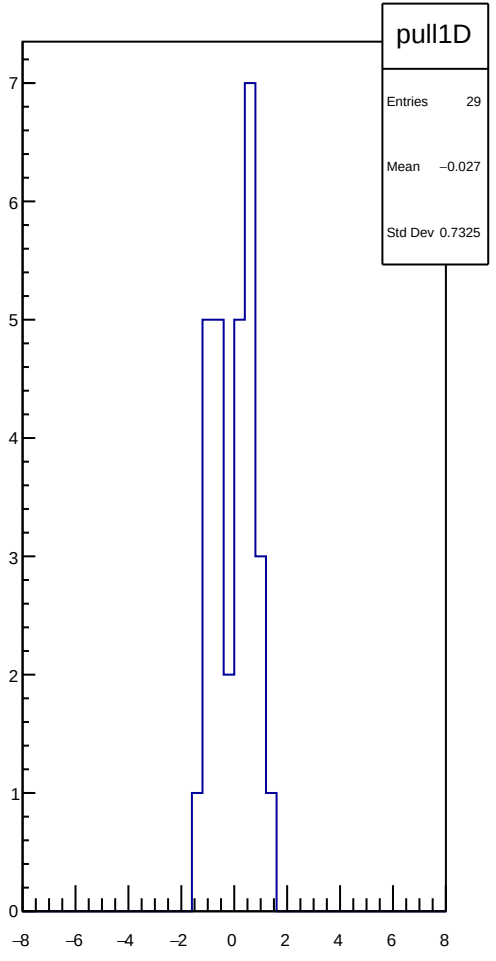

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1426 / 28
p0 377.5 ± 0.4997
420
400
380
360
340
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

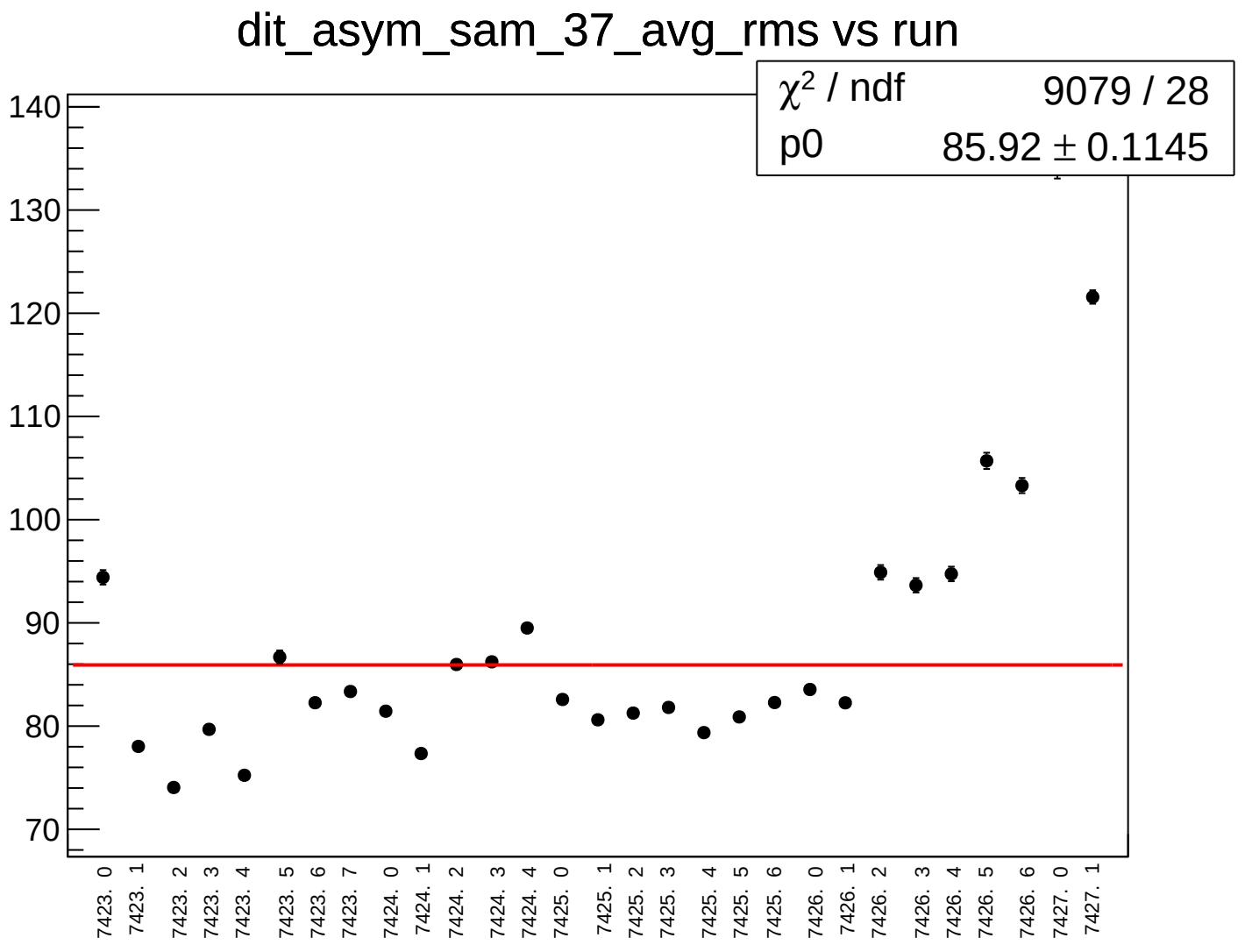

asym_sam_26_avg_mean vs run
χ² / ndf 35.69 / 28
p0 −933 ± 700.6
15000
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 104.5
Std Dev 88.79
3
2
1
0
−1
−2

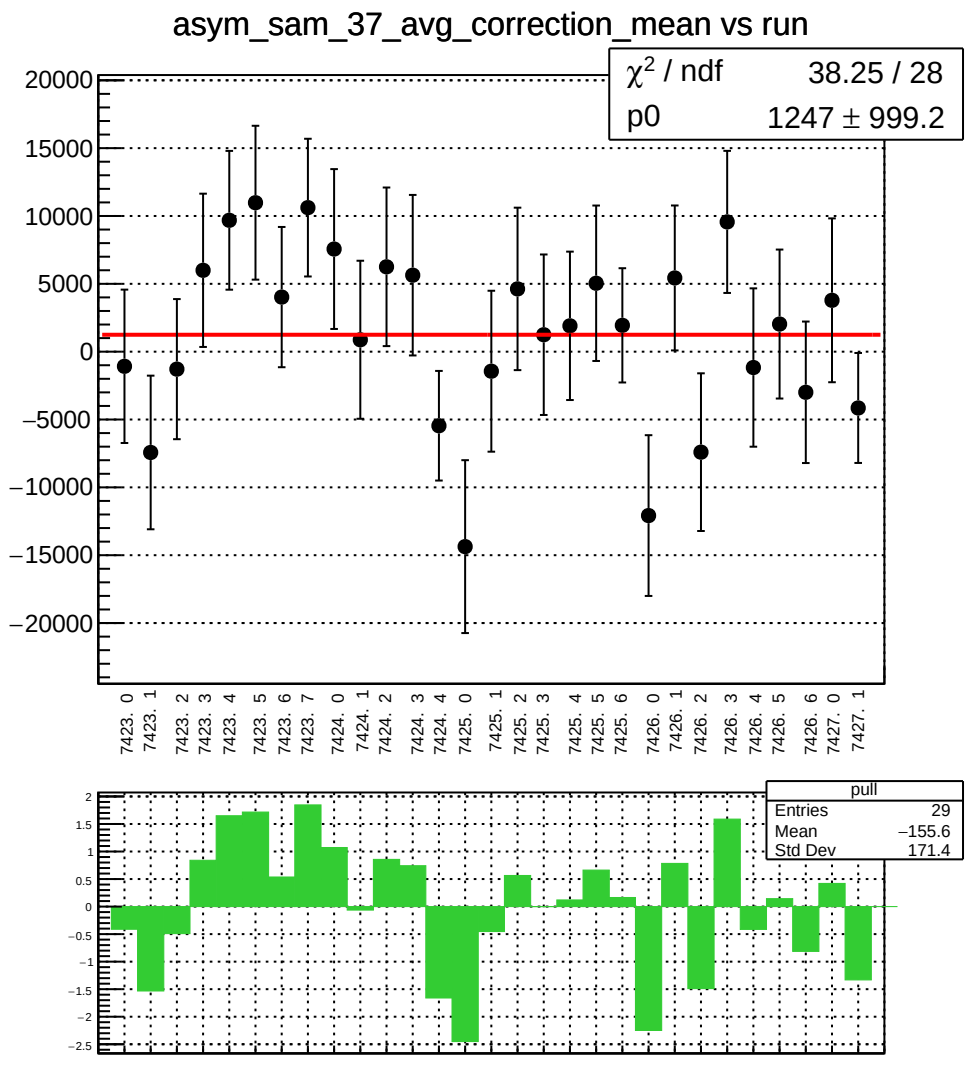

pull1D
Entries 29
Mean 0.01297
Std Dev 1.109
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

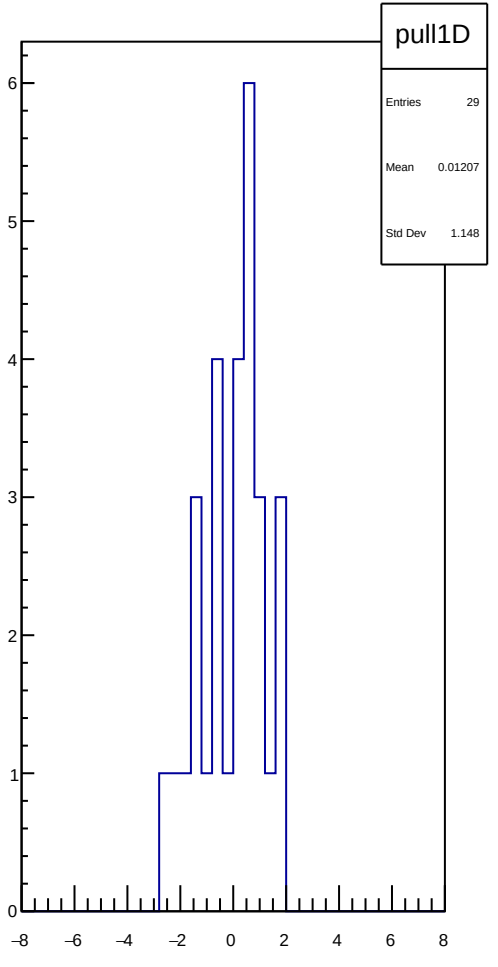

asym_sam_26_avg_rms vs run
χ^2 / ndf 2224 / 28
p0 374 ± 0.4954
420
400
380
360
340
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

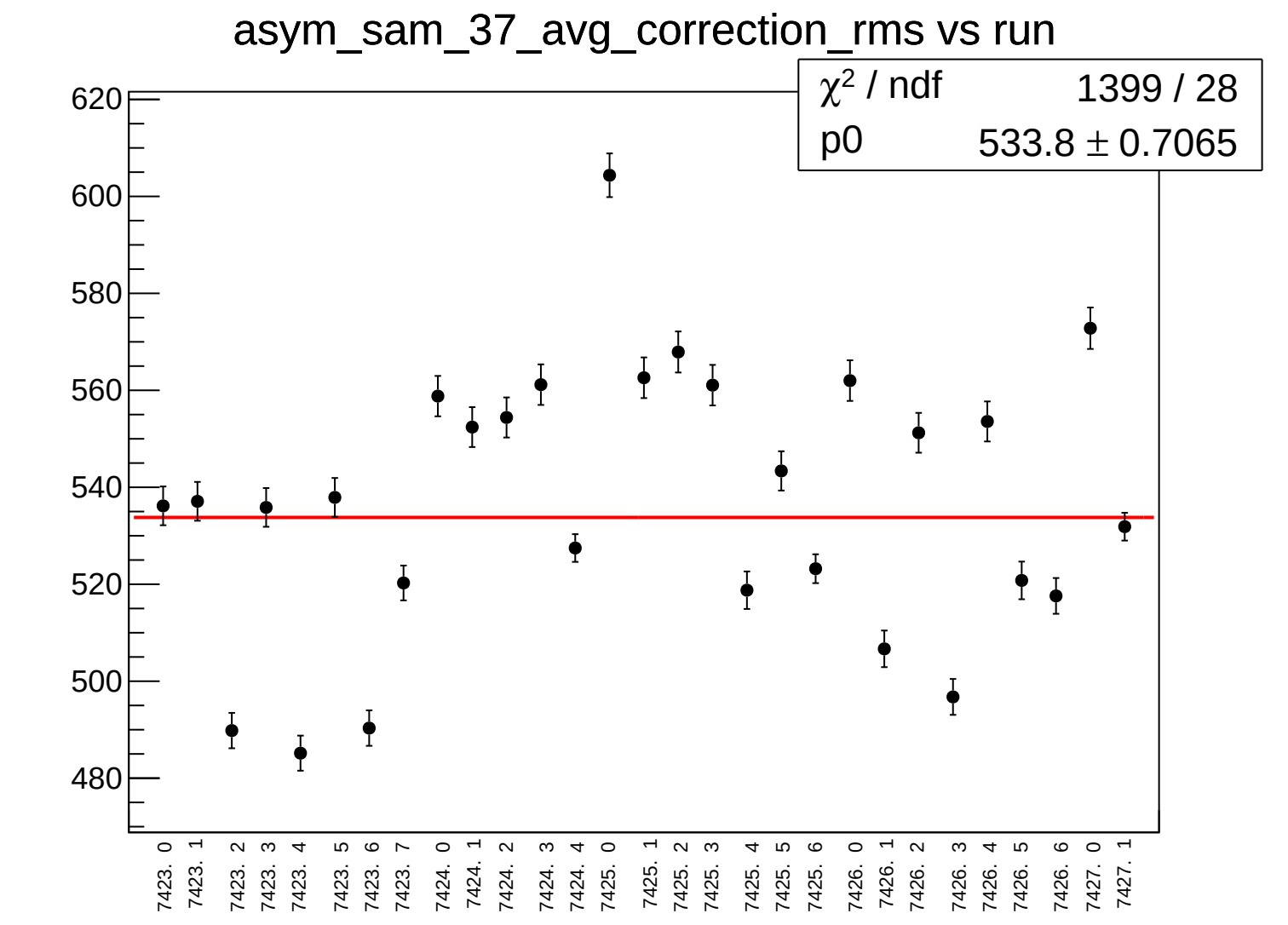

dit_asym_sam_37_avg_mean vs run
χ² / ndf 15.58 / 28
p0 −121 ± 161.9
2000
1000
0
−1000
−2000
−3000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 79.78
Std Dev 58.16
1
0.5
0
−0.5
−1

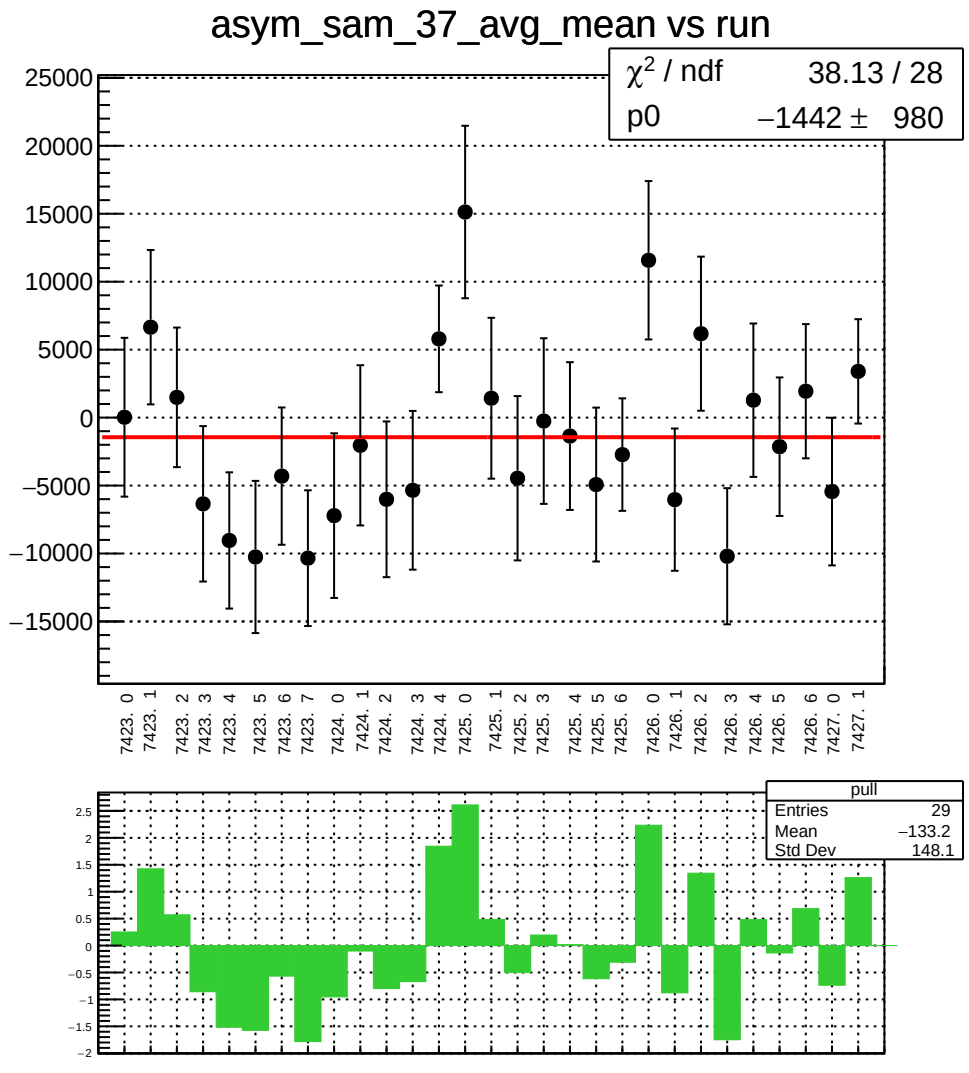

pull1D
Entries 29
Mean −0.027
Std Dev 0.7325
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

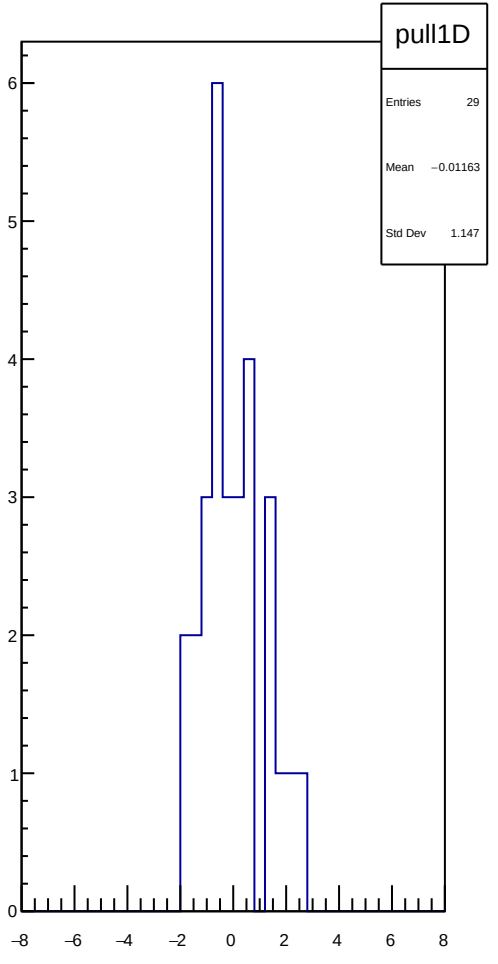

dit_asym_sam_37_avg_rms vs run
χ² / ndf 9079 / 28
p0 85.92 ± 0.1145
140
130
120
110
100
90
80
70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

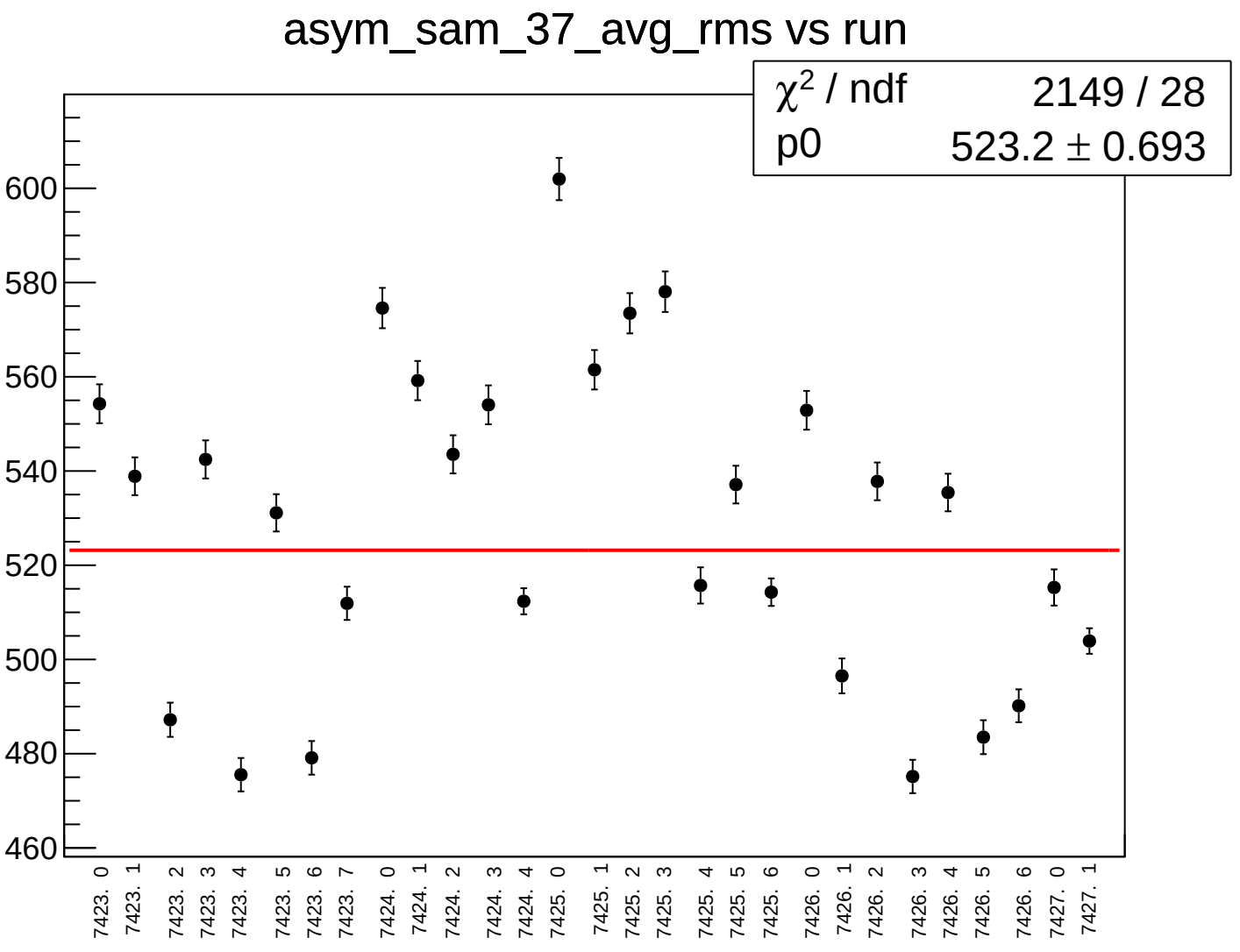

asym_sam_37_avg_correction_mean vs run
χ² / ndf 38.25 / 28
p0 1247 ± 999.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −155.6
Std Dev 171.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

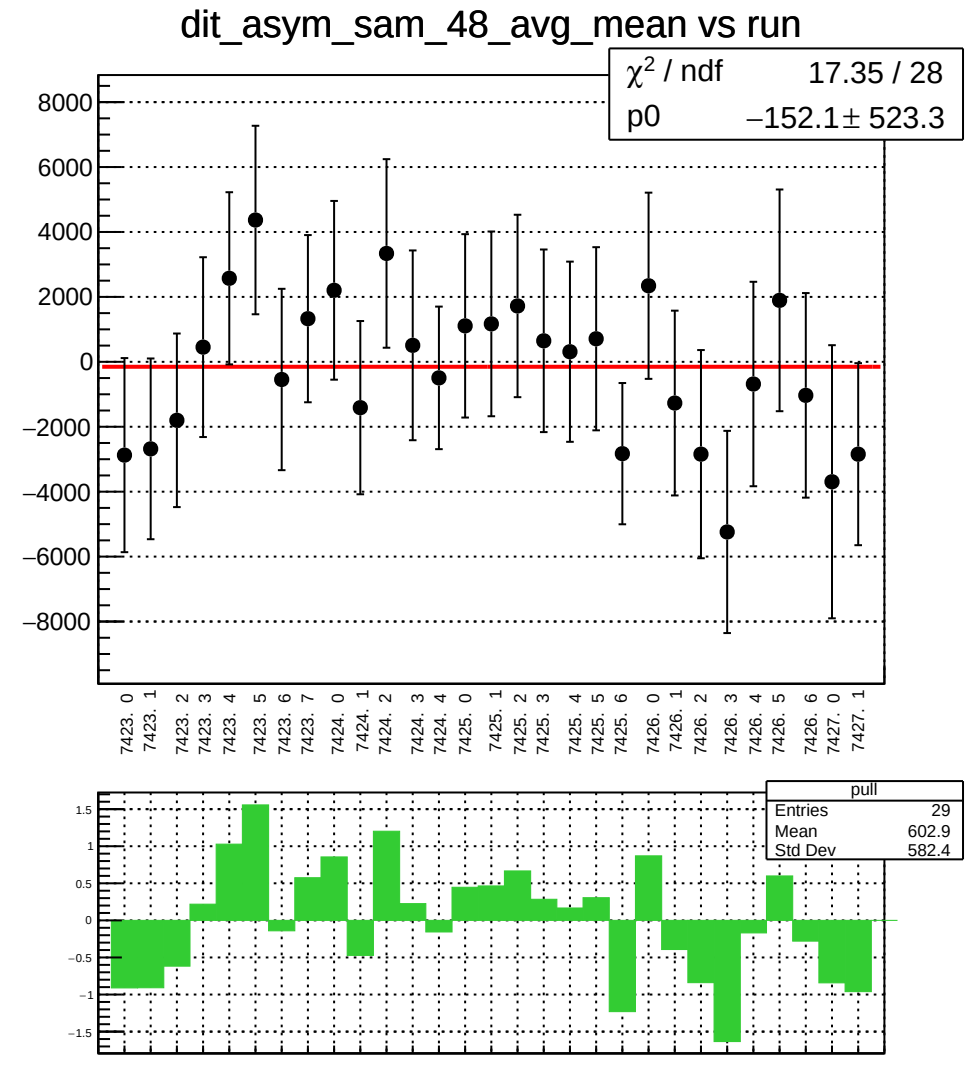

pull1D
Entries 29
Mean 0.01207
Std Dev 1.148
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

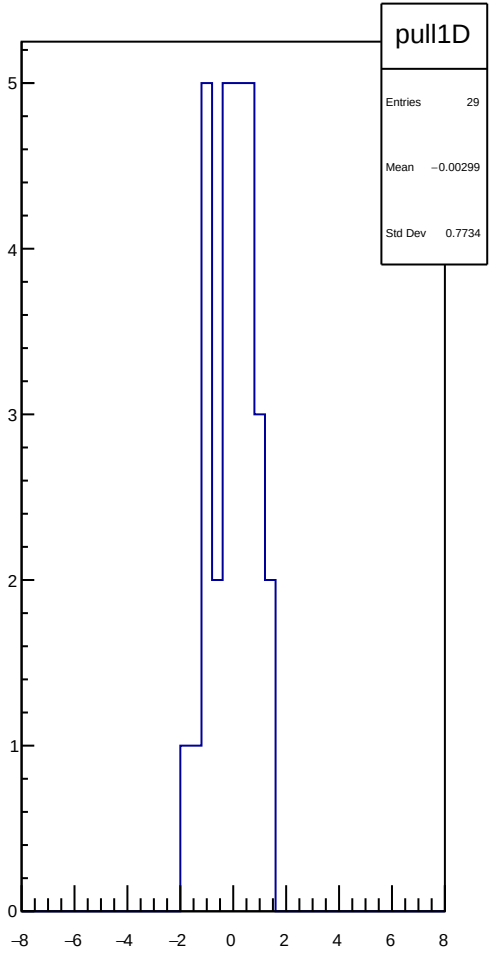

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1399 / 28
p0 533.8 ± 0.7065
620
600
580
560
540
520
500
480
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

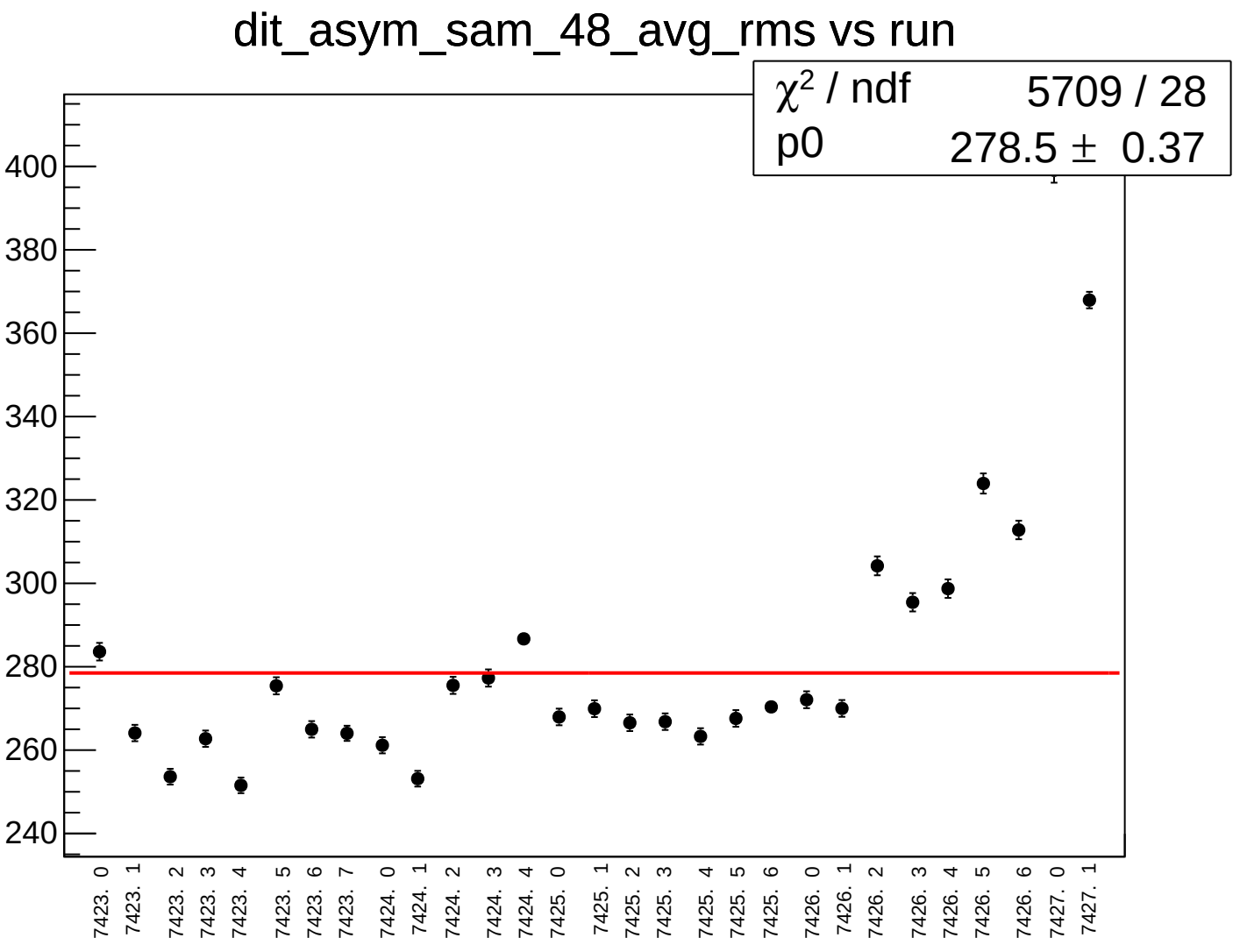

asym_sam_37_avg_mean vs run
χ² / ndf 38.13 / 28
p0 −1442 ± 980
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −133.2
Std Dev 148.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

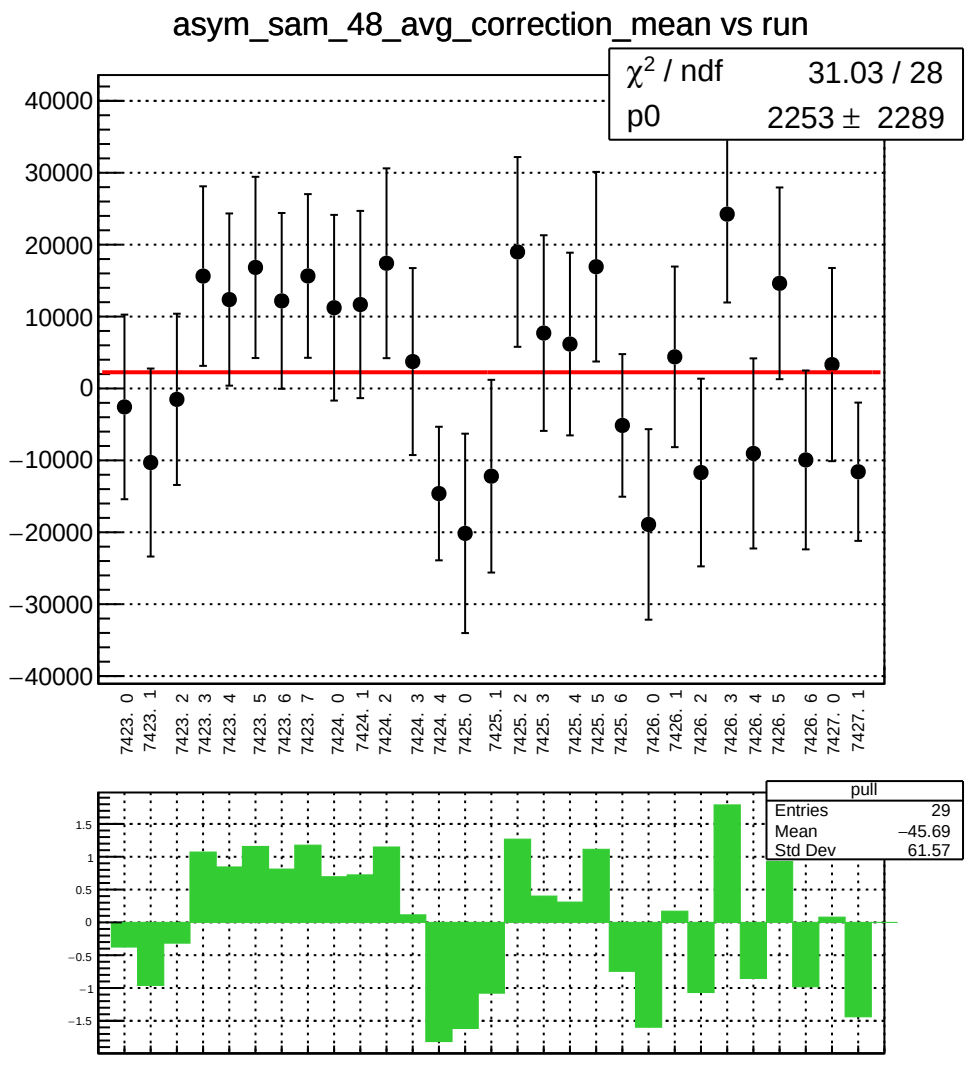

pull1D
Entries 29
Mean −0.01163
Std Dev 1.147
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

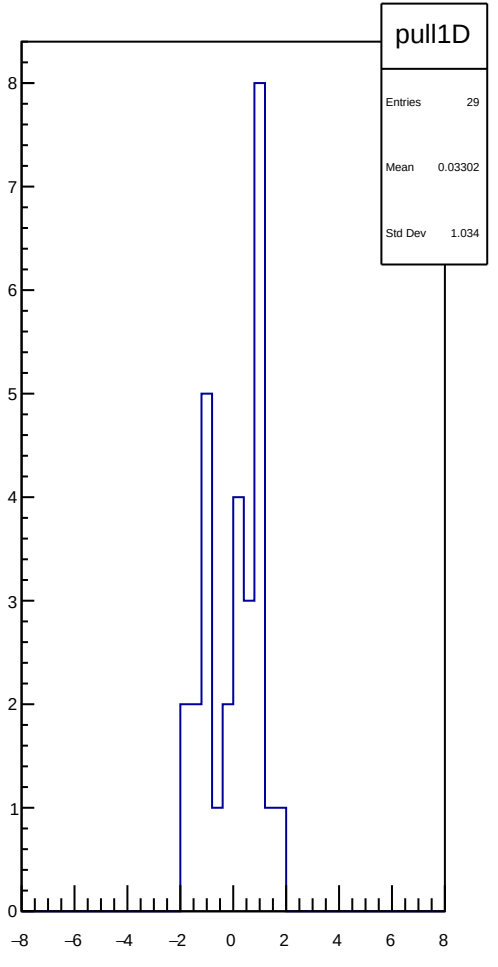

asym_sam_37_avg_rms vs run
χ^2 / ndf 2149 / 28
p0 523.2 ± 0.693
600
580
560
540
520
500
480
460
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

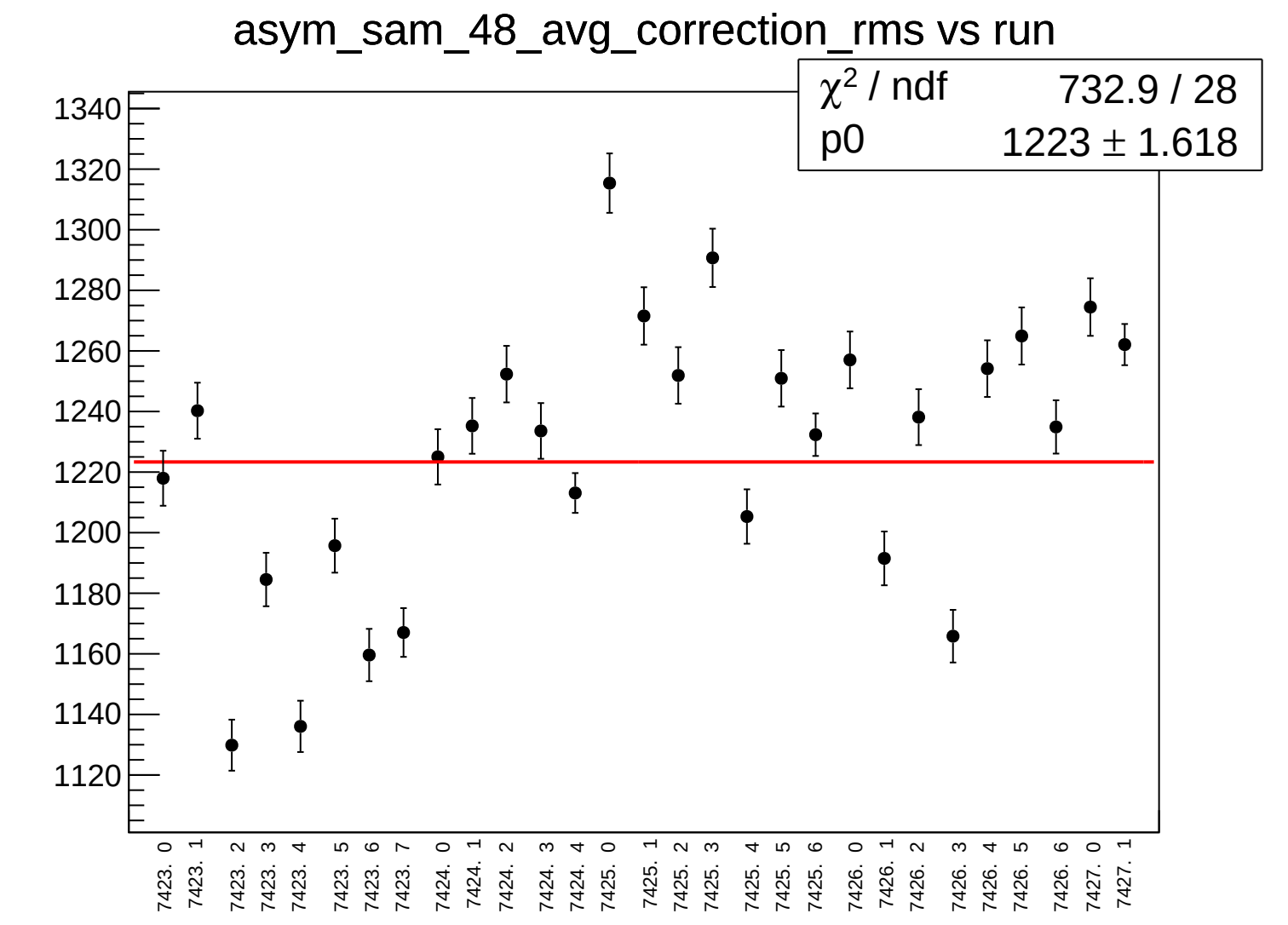

dit_asym_sam_48_avg_mean vs run
χ² / ndf 17.35 / 28
p0 −152.1 ± 523.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 602.9
Std Dev 582.4
1.5
1
0.5
0
−0.5
−1
−1.5

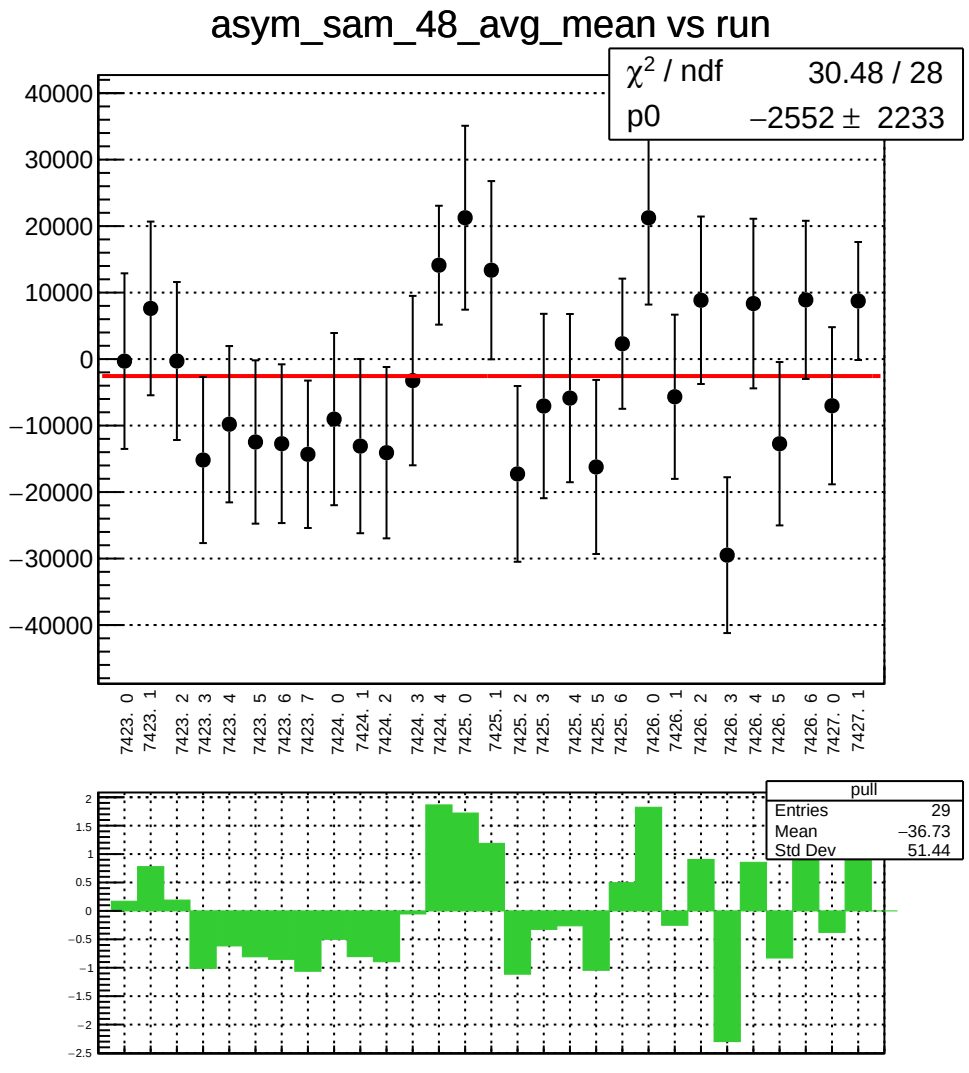

pull1D
Entries 29
Mean −0.00299
Std Dev 0.7734
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

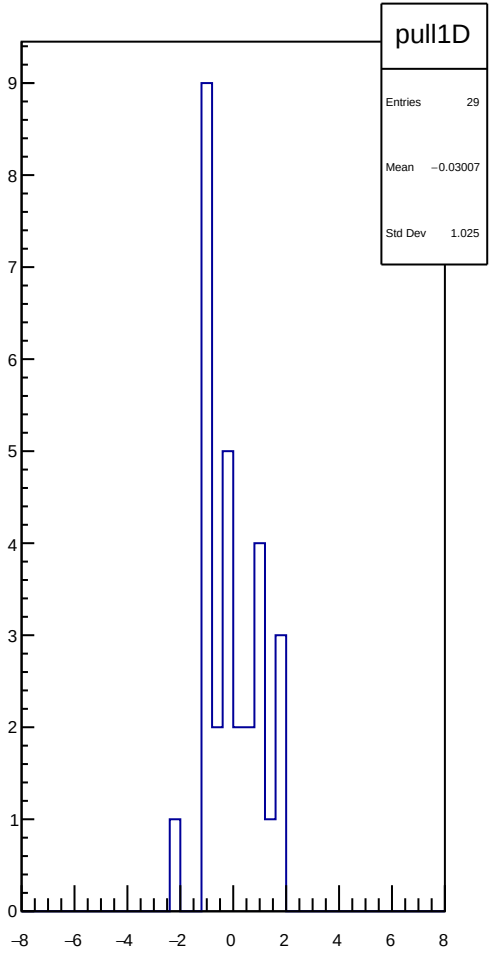

dit_asym_sam_48_avg_rms vs run
χ² / ndf 5709 / 28
p0 278.5 ± 0.37
400
380
360
340
320
300
280
260
240
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

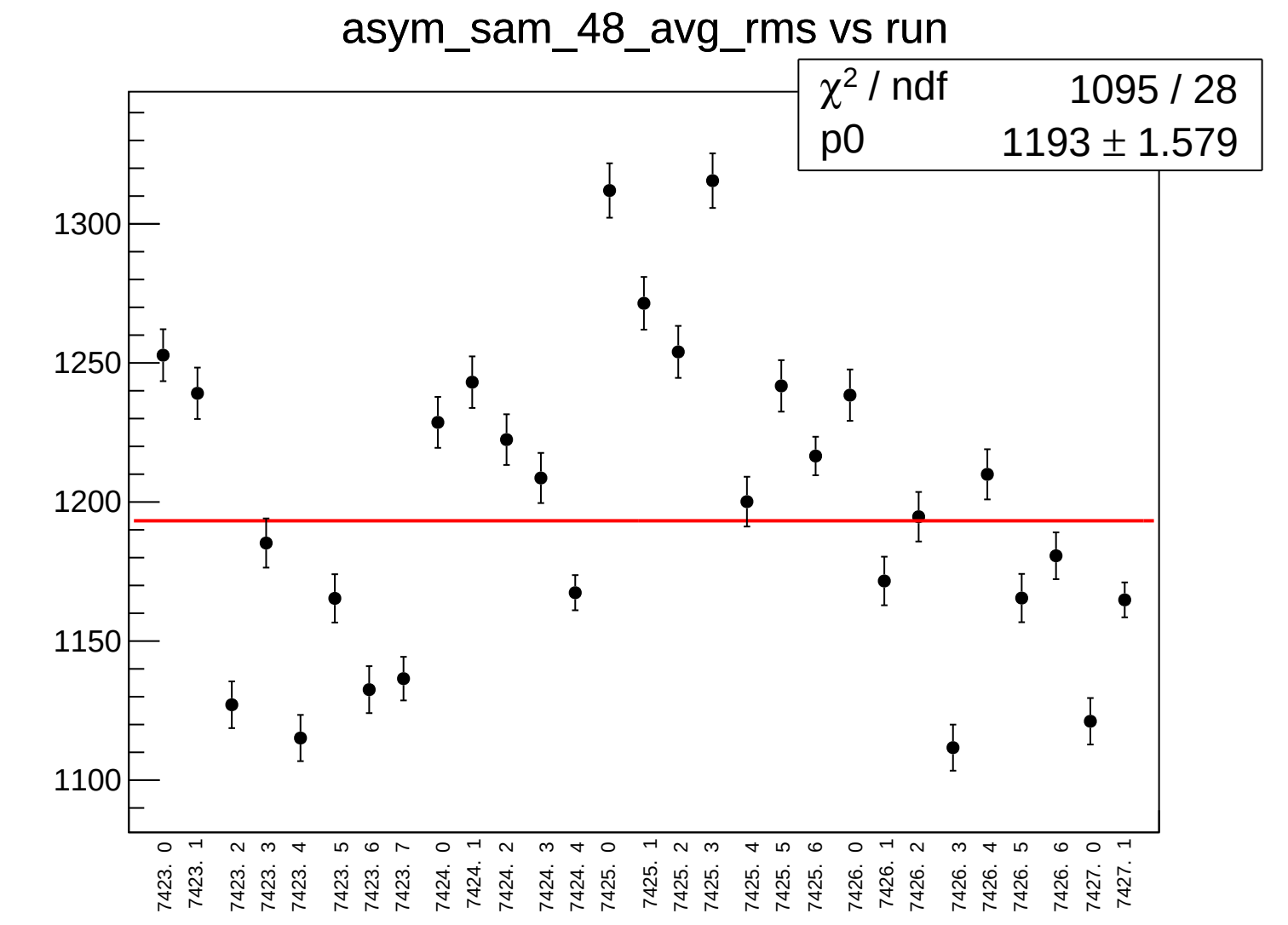

asym_sam_48_avg_correction_mean vs run
χ² / ndf 31.03 / 28
p0 2253 ± 2289
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −45.69
Std Dev 61.57
1.5
1
0.5
0
−0.5
−1
−1.5

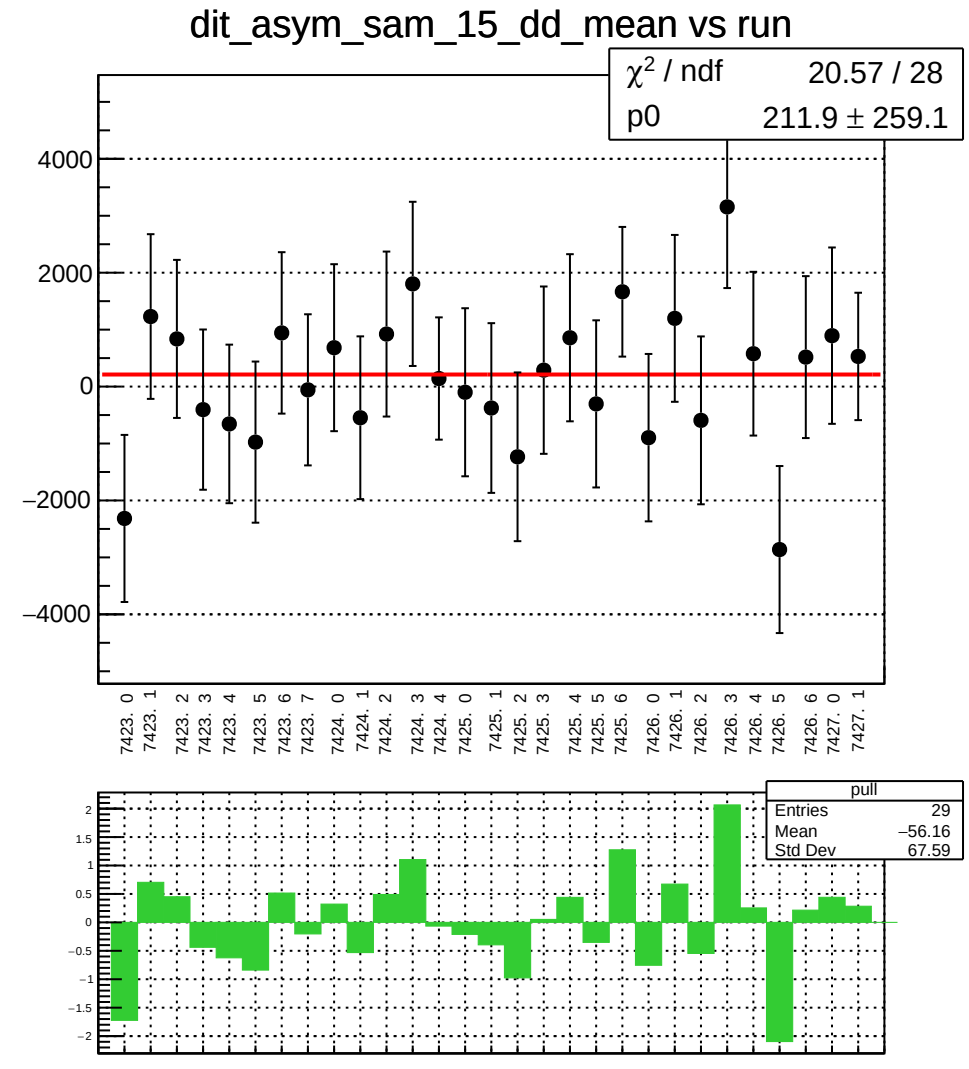

pull1D
Entries 29
Mean 0.03302
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

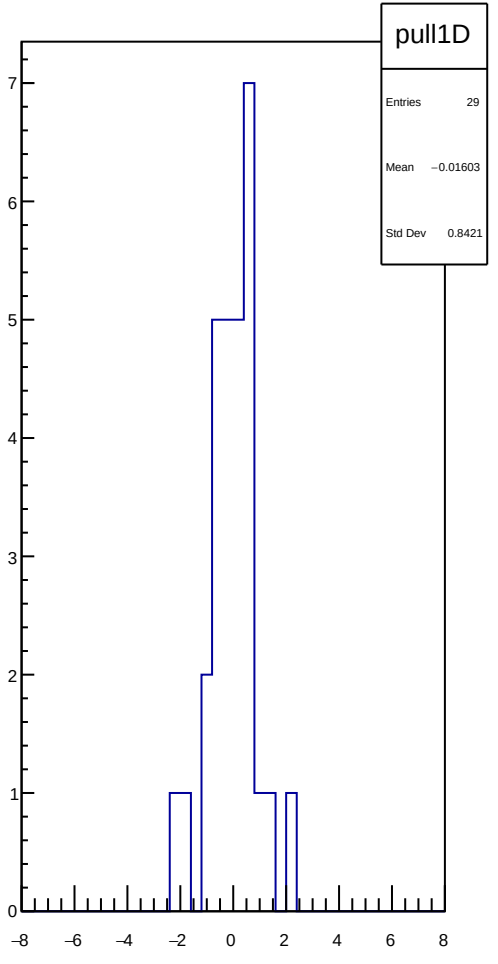

asym_sam_48_avg_correction_rms vs run
χ² / ndf 732.9 / 28
p0 1223 ± 1.618
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

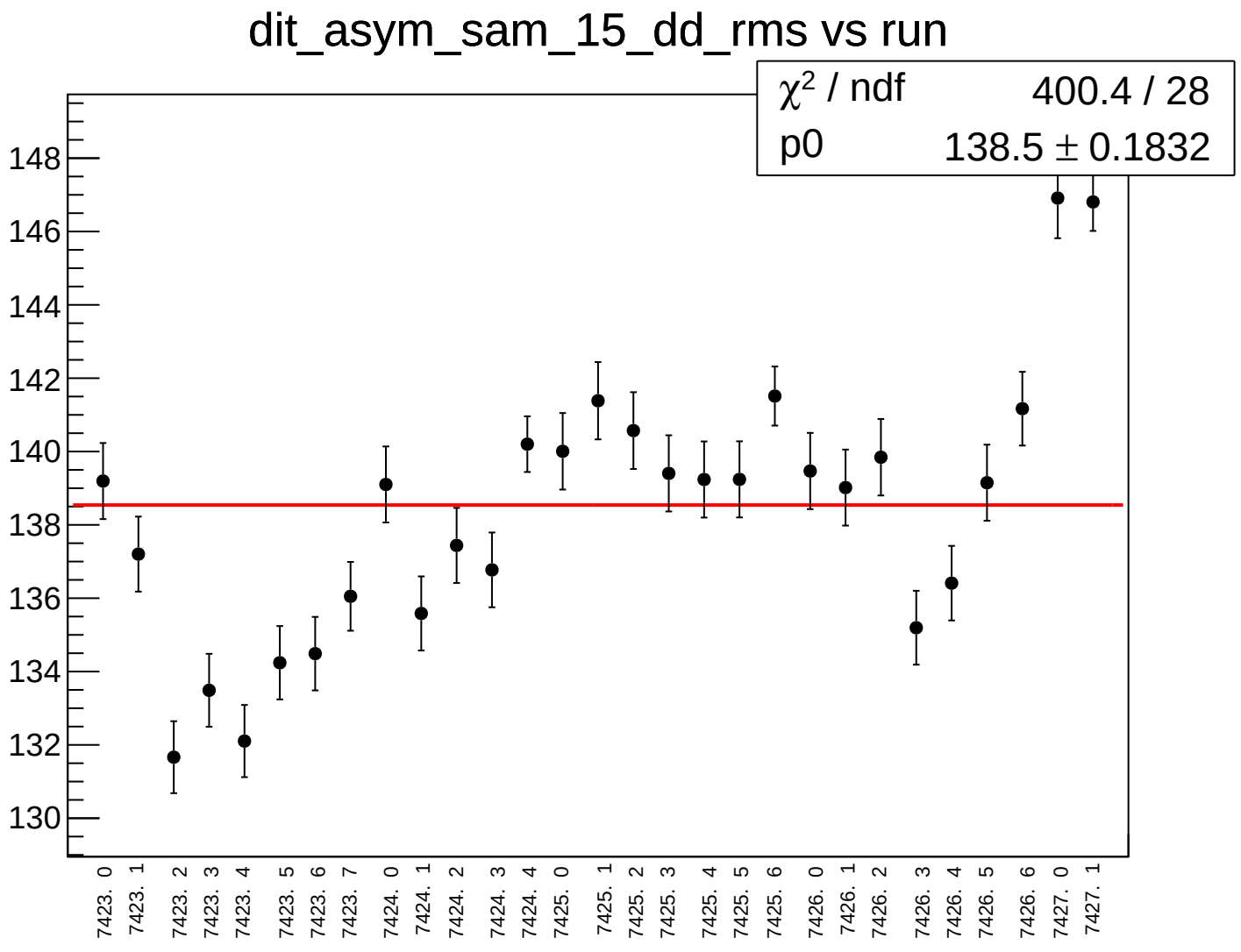

asym_sam_48_avg_mean vs run
χ² / ndf 30.48 / 28
p0 −2552 ± 2233
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −36.73
Std Dev 51.44
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

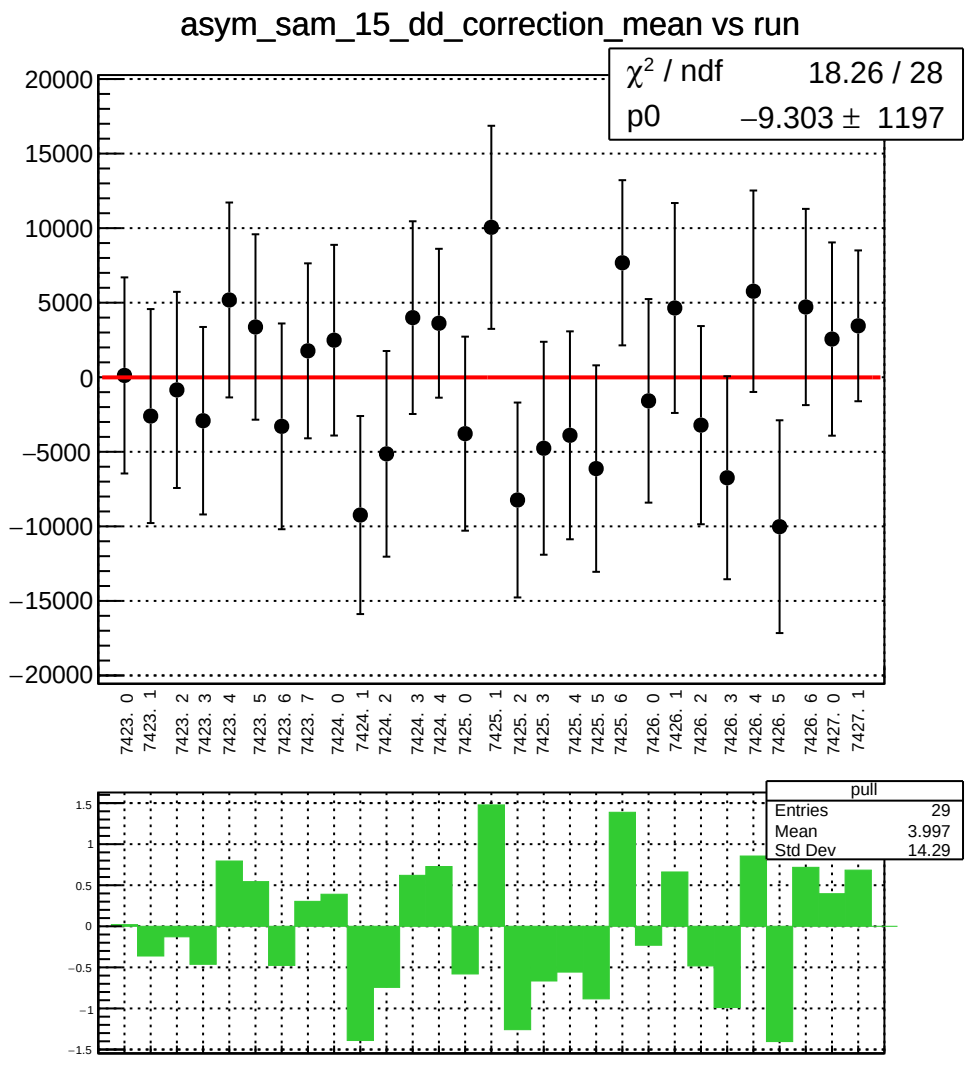

pull1D
Entries 29
Mean −0.03007
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

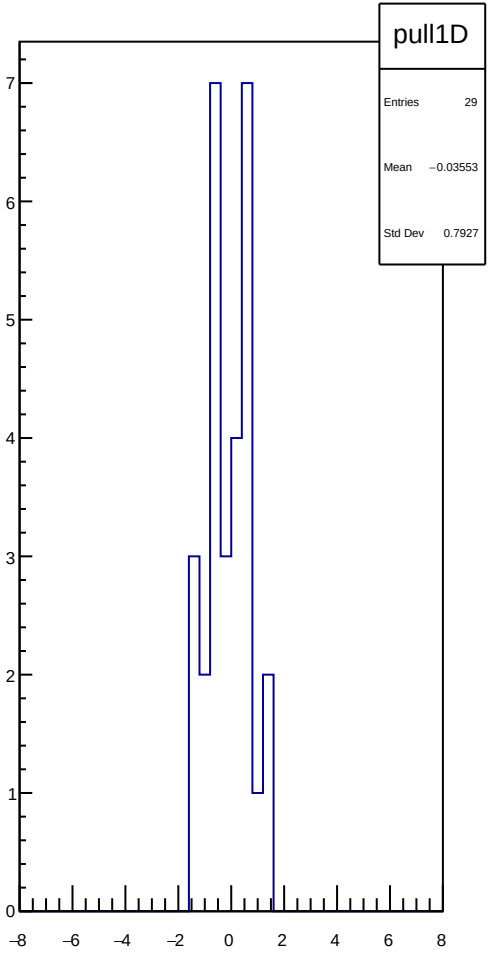

asym_sam_48_avg_rms vs run
χ² / ndf 1095 / 28
p0 1193 ± 1.579
1300
1250
1200
1150
1100
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

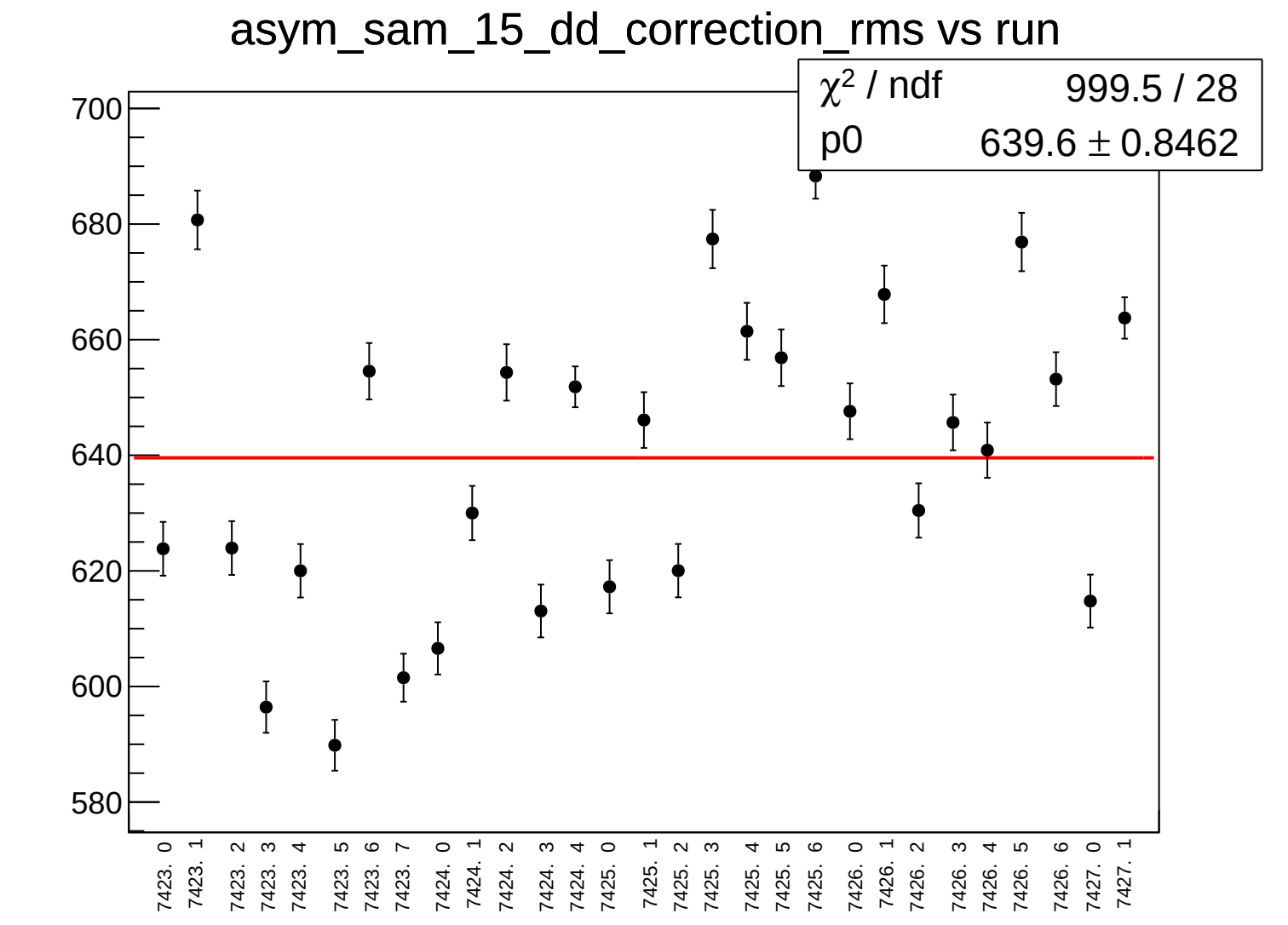

dit_asym_sam_15_dd_mean vs run
χ² / ndf 20.57 / 28
p0 211.9 ± 259.1
4000
2000
0
−2000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −56.16
Std Dev 67.59
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

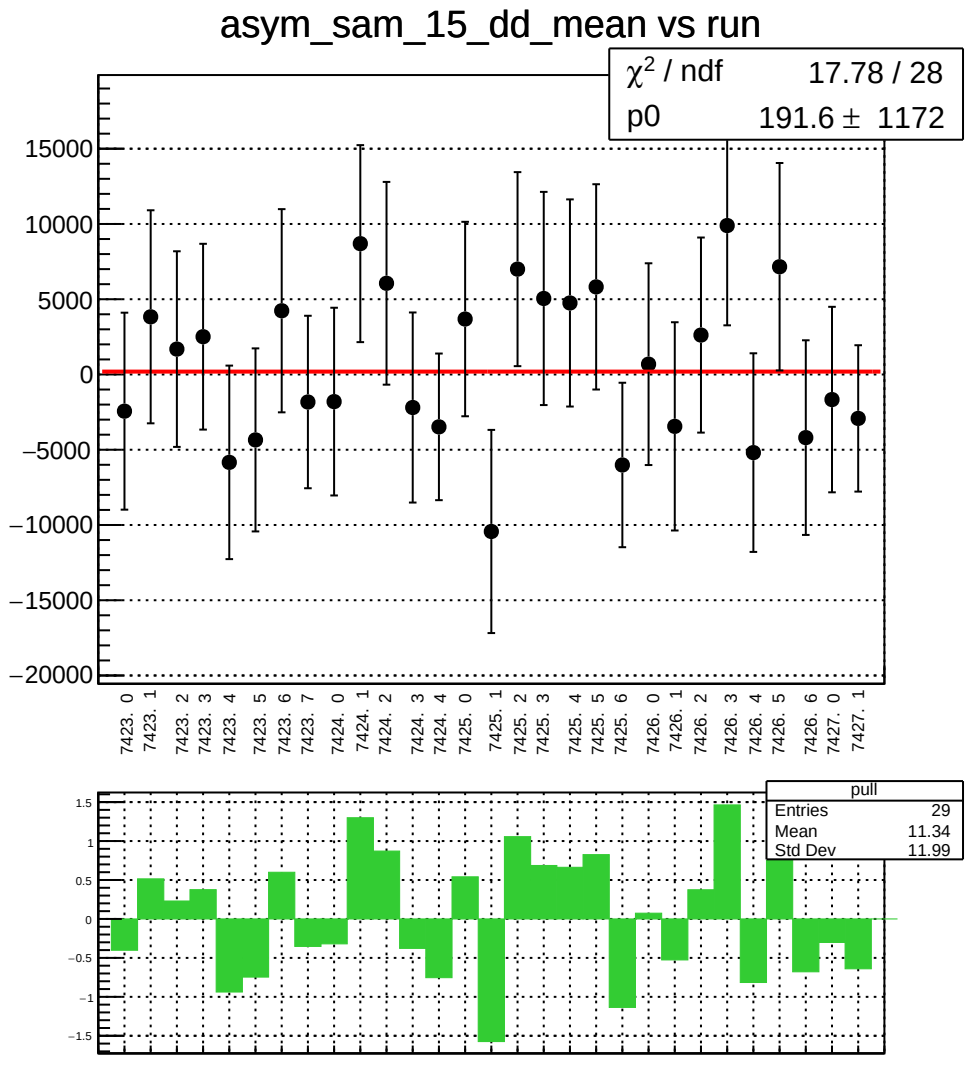

pull1D
Entries 29
Mean −0.01603
Std Dev 0.8421
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

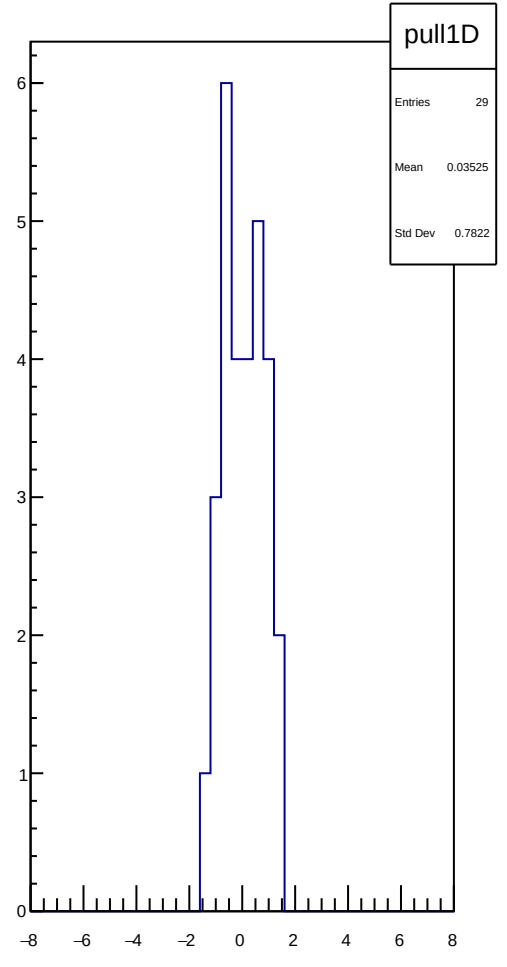

dit_asym_sam_15_dd_rms vs run
χ² / ndf 400.4 / 28
p0 138.5 ± 0.1832
148
146
144
142
140
138
136
134
132
130
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

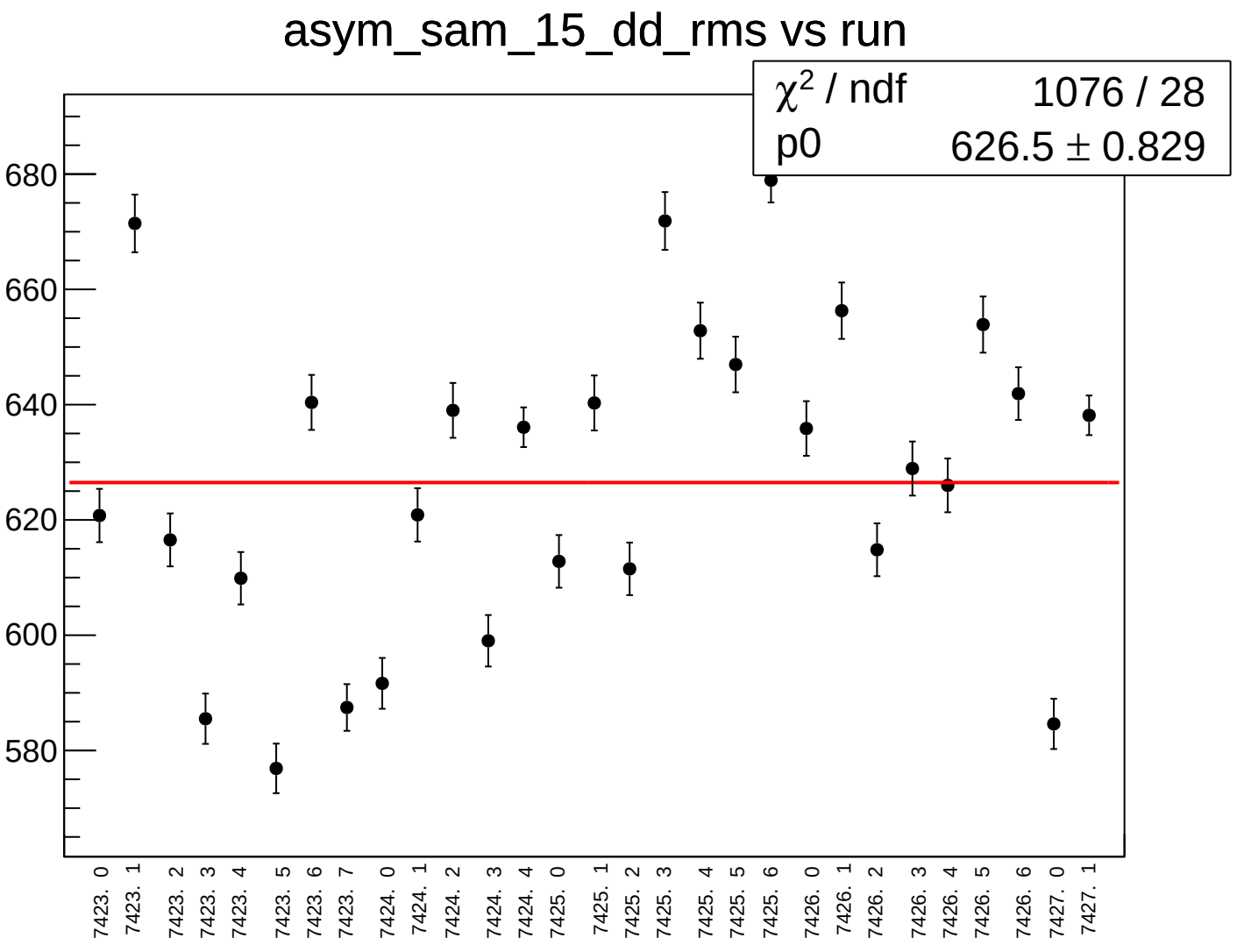

asym_sam_15_dd_correction_mean vs run
χ² / ndf 18.26 / 28
p0 −9.303 ± 1197
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 3.997
Std Dev 14.29
1.5
1
0.5
0
−0.5
−1
−1.5

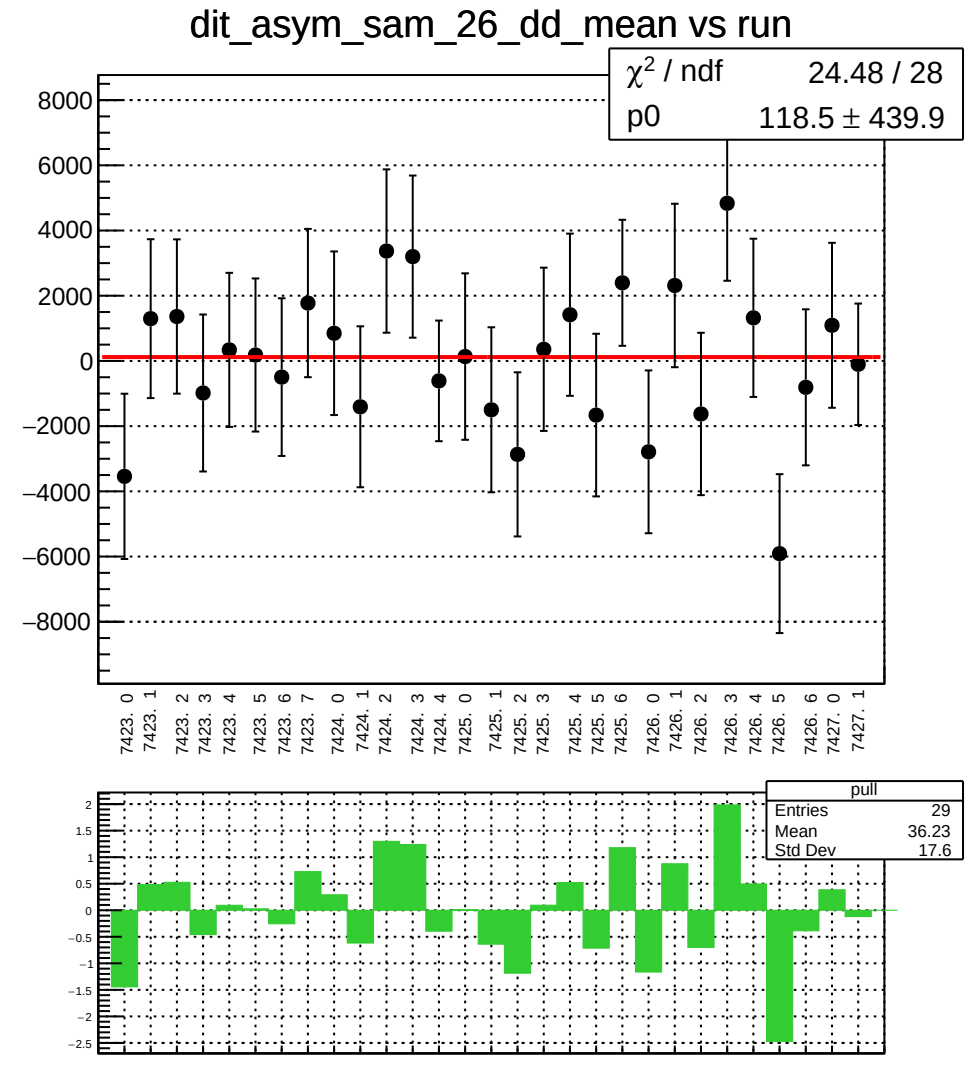

pull1D
Entries 29
Mean −0.03553
Std Dev 0.7927
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

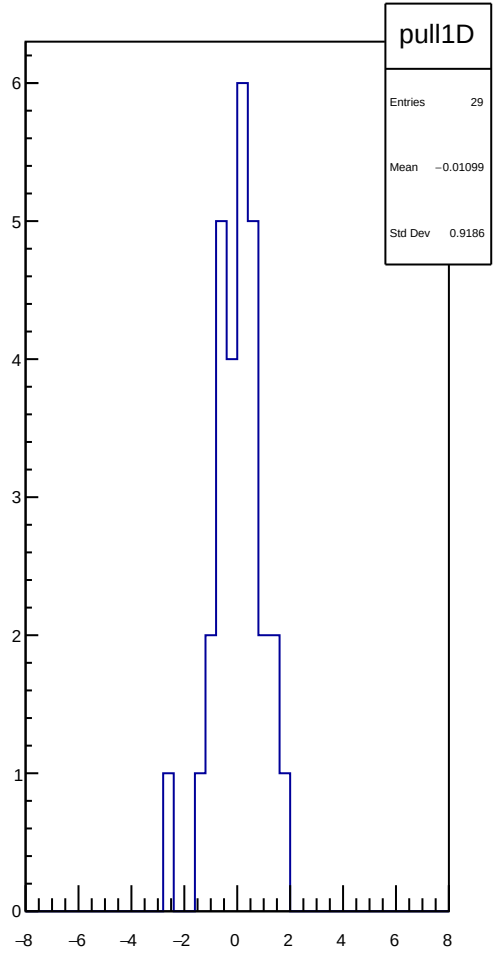

asym_sam_15_dd_correction_rms vs run
χ² / ndf 999.5 / 28
p0 639.6 ± 0.8462
700
680
660
640
620
600
580
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

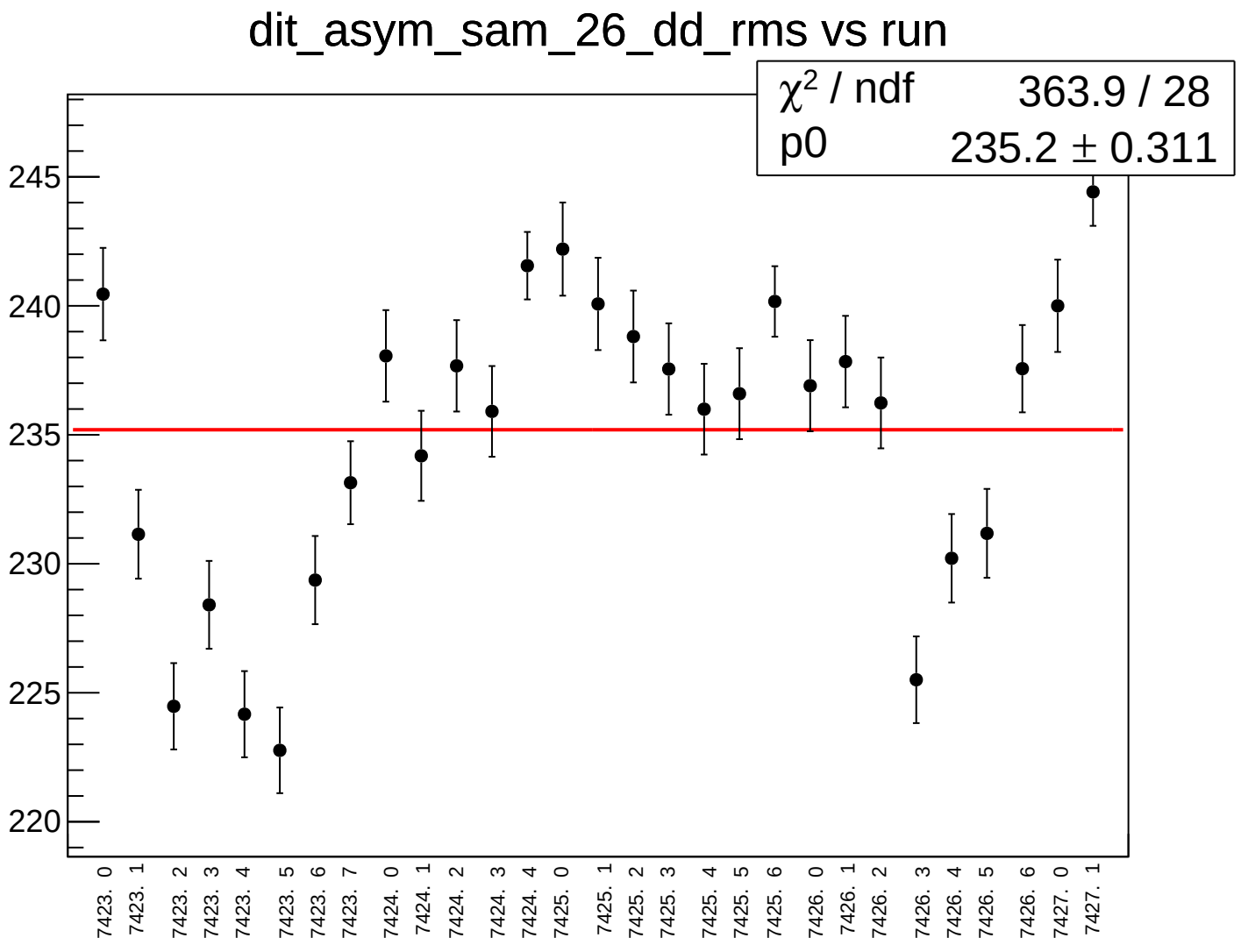

asym_sam_15_dd_mean vs run
χ² / ndf 17.78 / 28
p0 191.6 ± 1172
15000
10000
5000
0
−5000
−10000
−15000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 11.34
Std Dev 11.99
1.5
1
0.5
0
−0.5
−1
−1.5

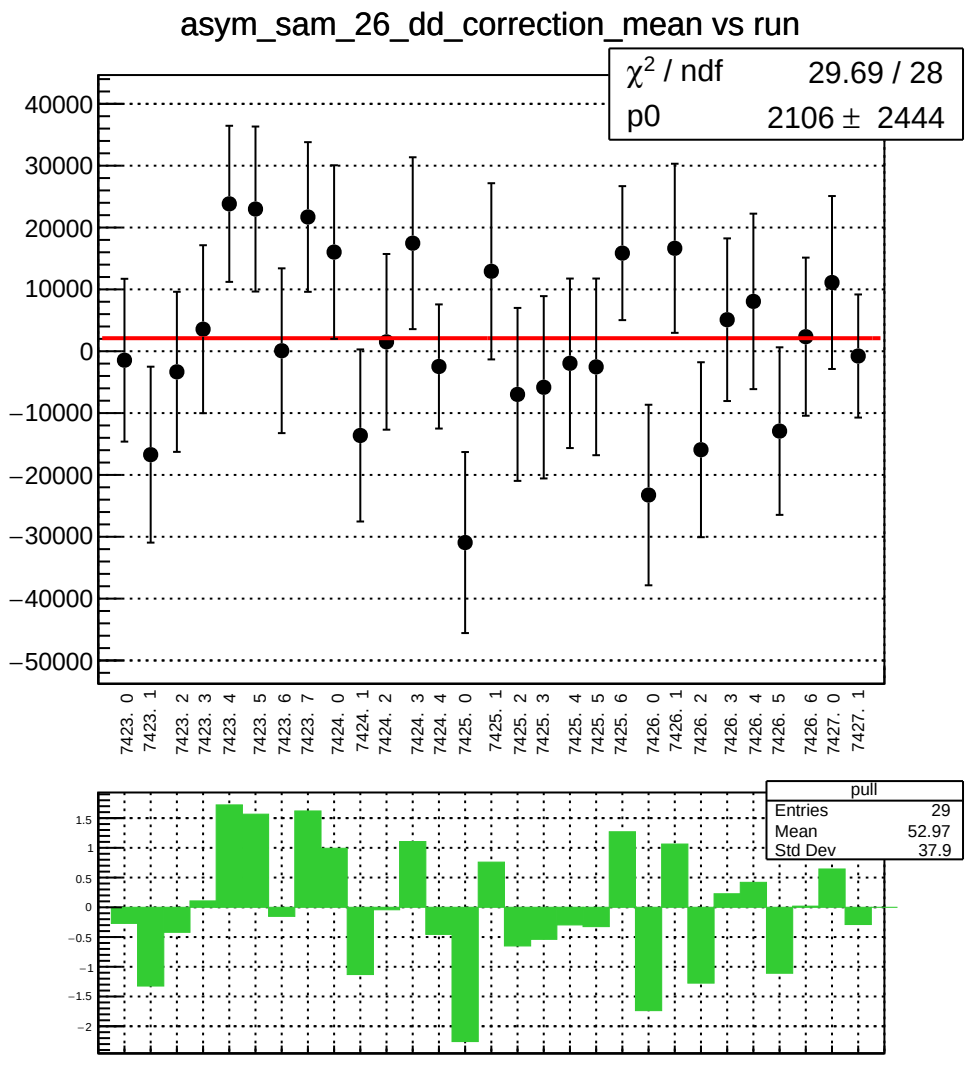

pull1D
Entries 29
Mean 0.03525
Std Dev 0.7822
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

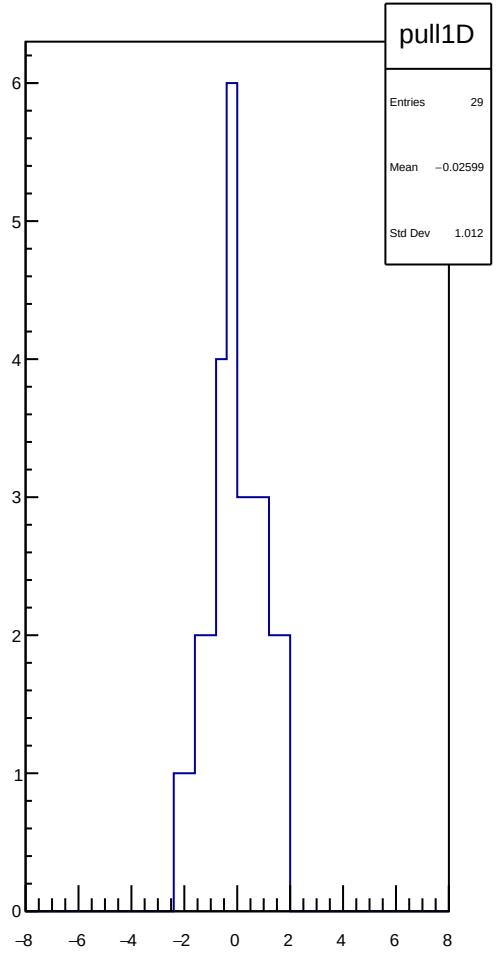

asym_sam_15_dd_rms vs run
χ^2 / ndf 1076 / 28
p0 626.5 ± 0.829
680
660
640
620
600
580
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

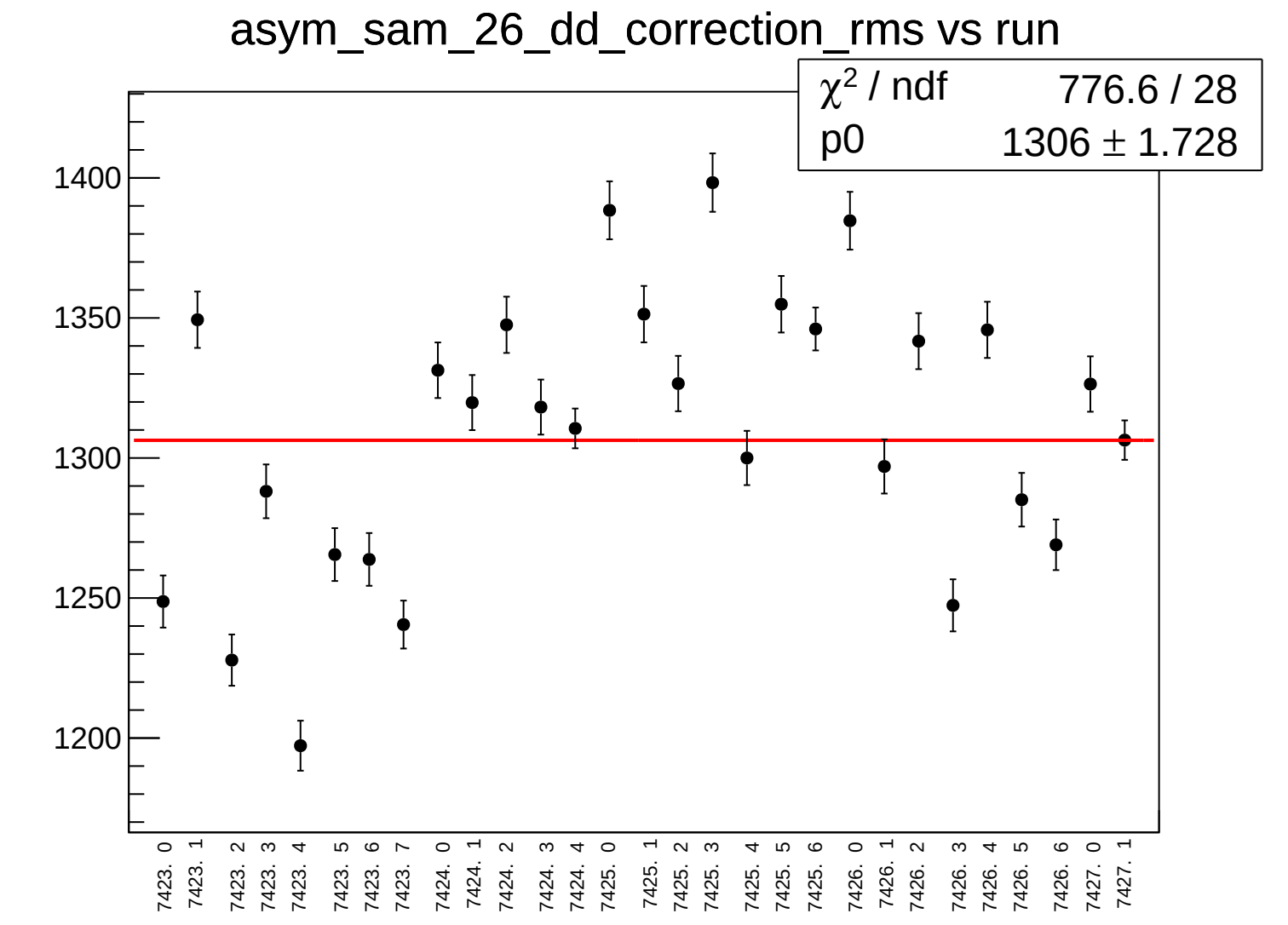

dit_asym_sam_26_dd_mean vs run
χ² / ndf 24.48 / 28
p0 118.5 ± 439.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 36.23
Std Dev 17.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

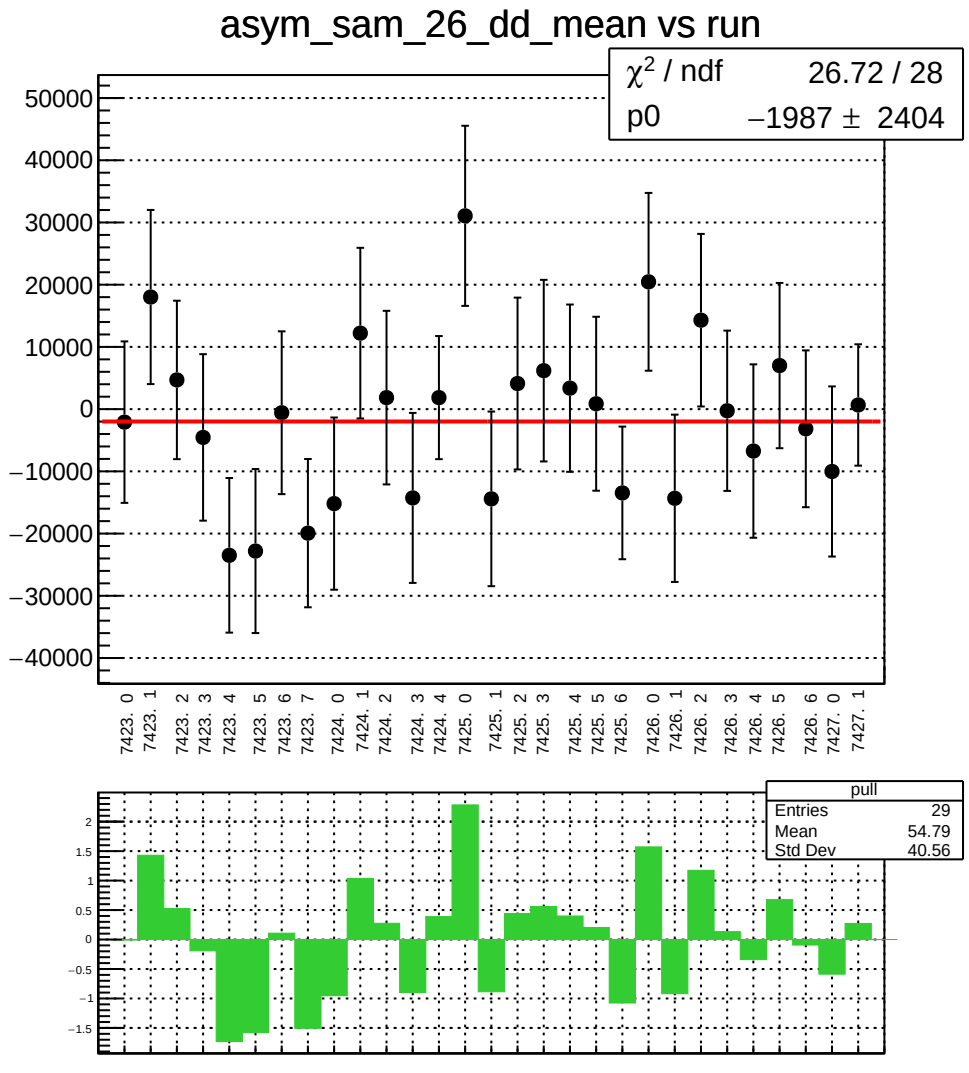

pull1D
Entries 29
Mean −0.01099
Std Dev 0.9186
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

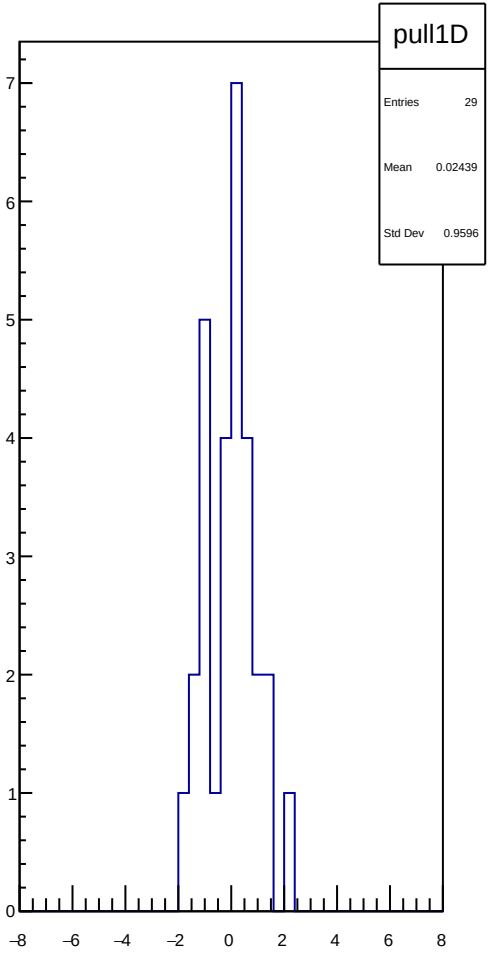

dit_asym_sam_26_dd_rms vs run
χ² / ndf 363.9 / 28
p0 235.2 ± 0.311
245
240
235
230
225
220
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

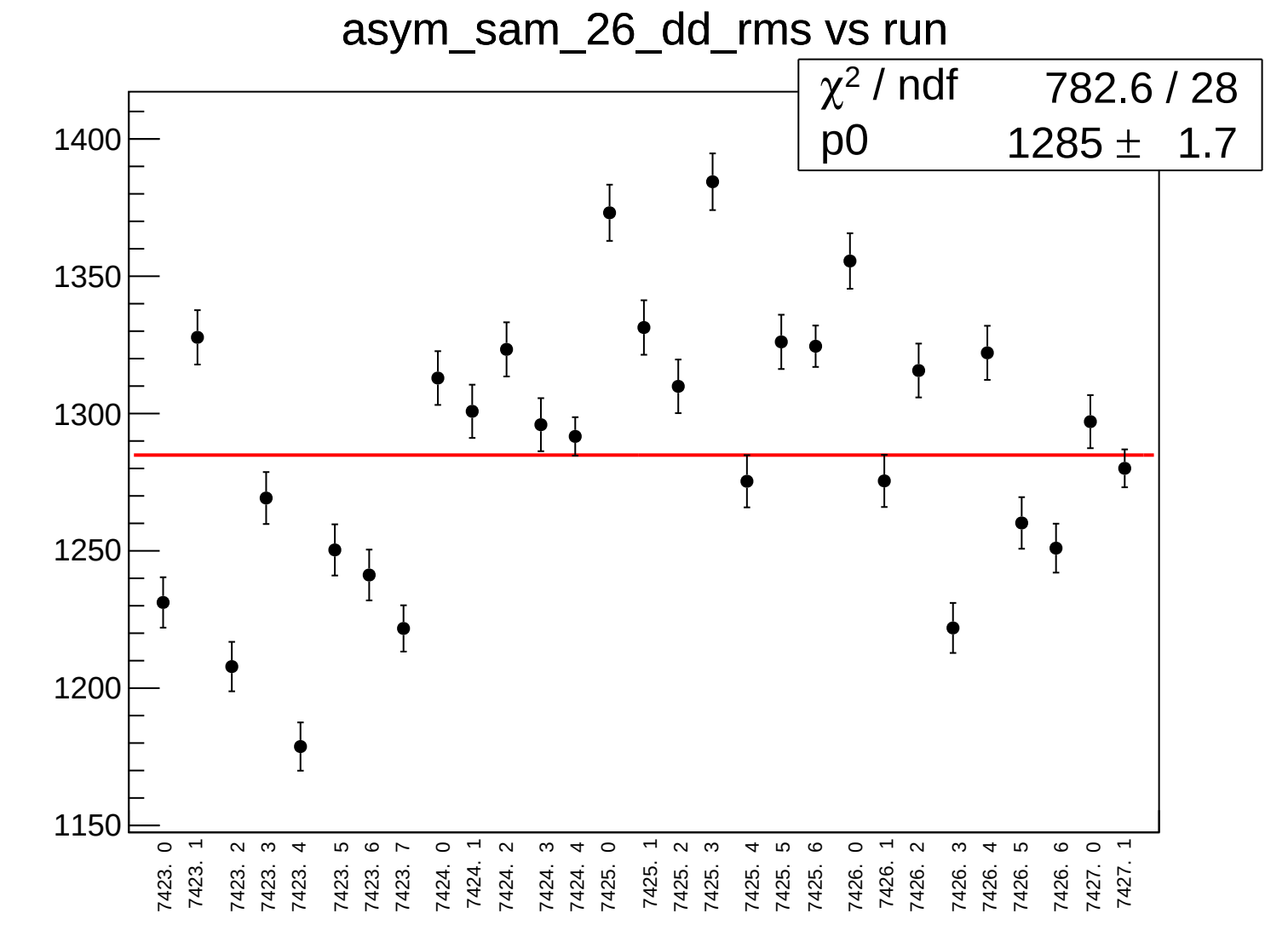

asym_sam_26_dd_correction_mean vs run
χ² / ndf 29.69 / 28
p0 2106 ± 2444
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 52.97
Std Dev 37.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

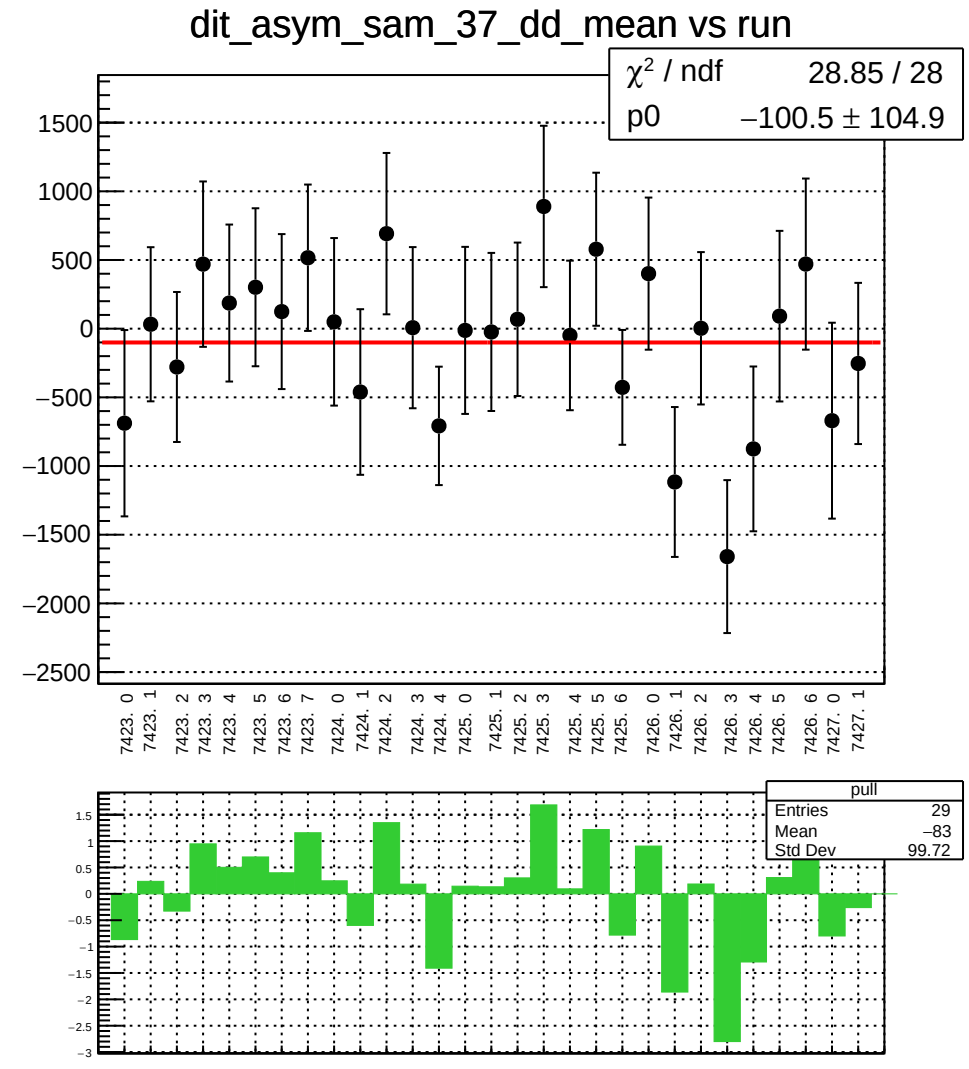

pull1D
Entries 29
Mean −0.02599
Std Dev 1.012
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

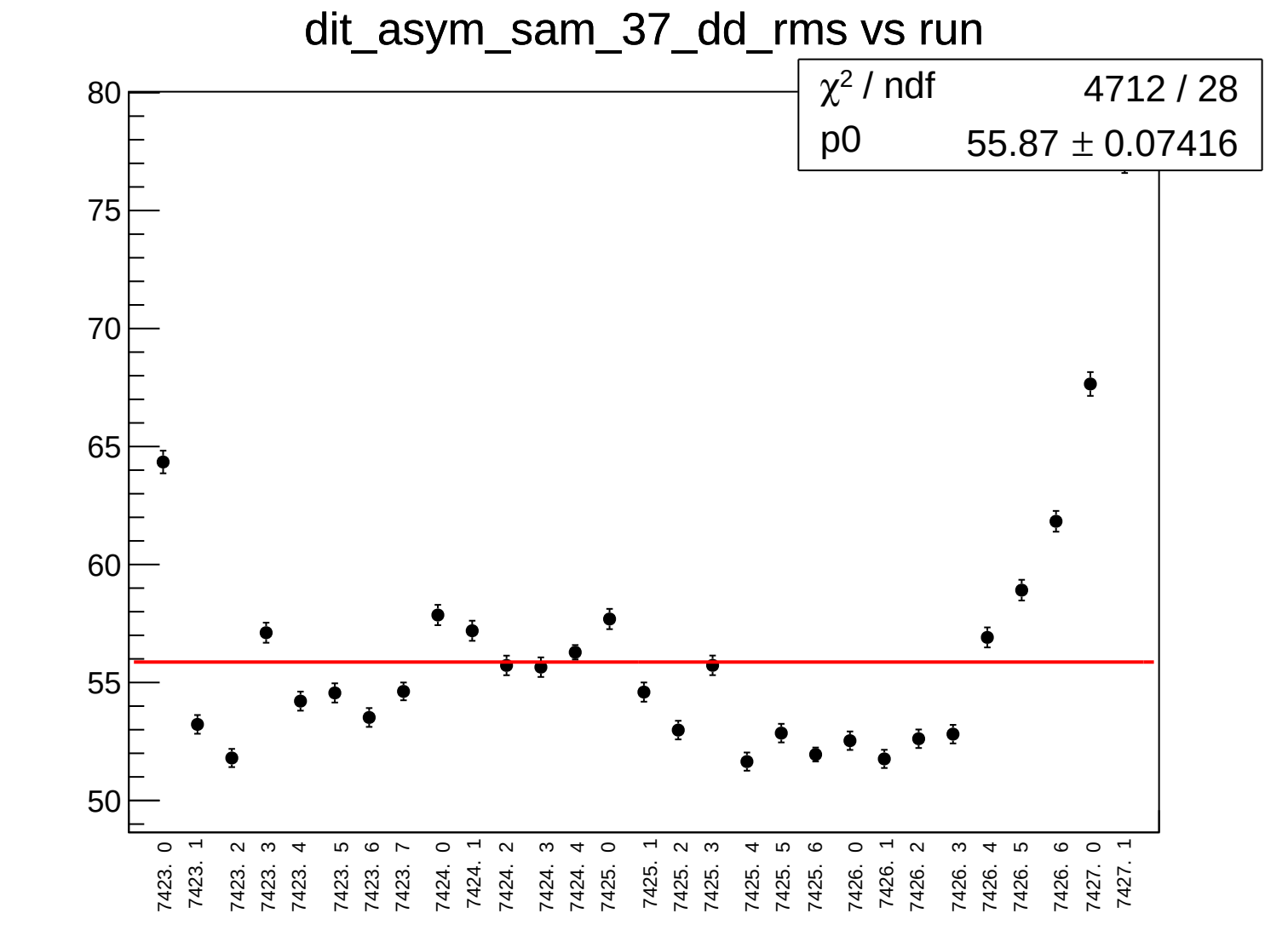

asym_sam_26_dd_correction_rms vs run
χ² / ndf 776.6 / 28
p0 1306 ± 1.728
1400
1350
1300
1250
1200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

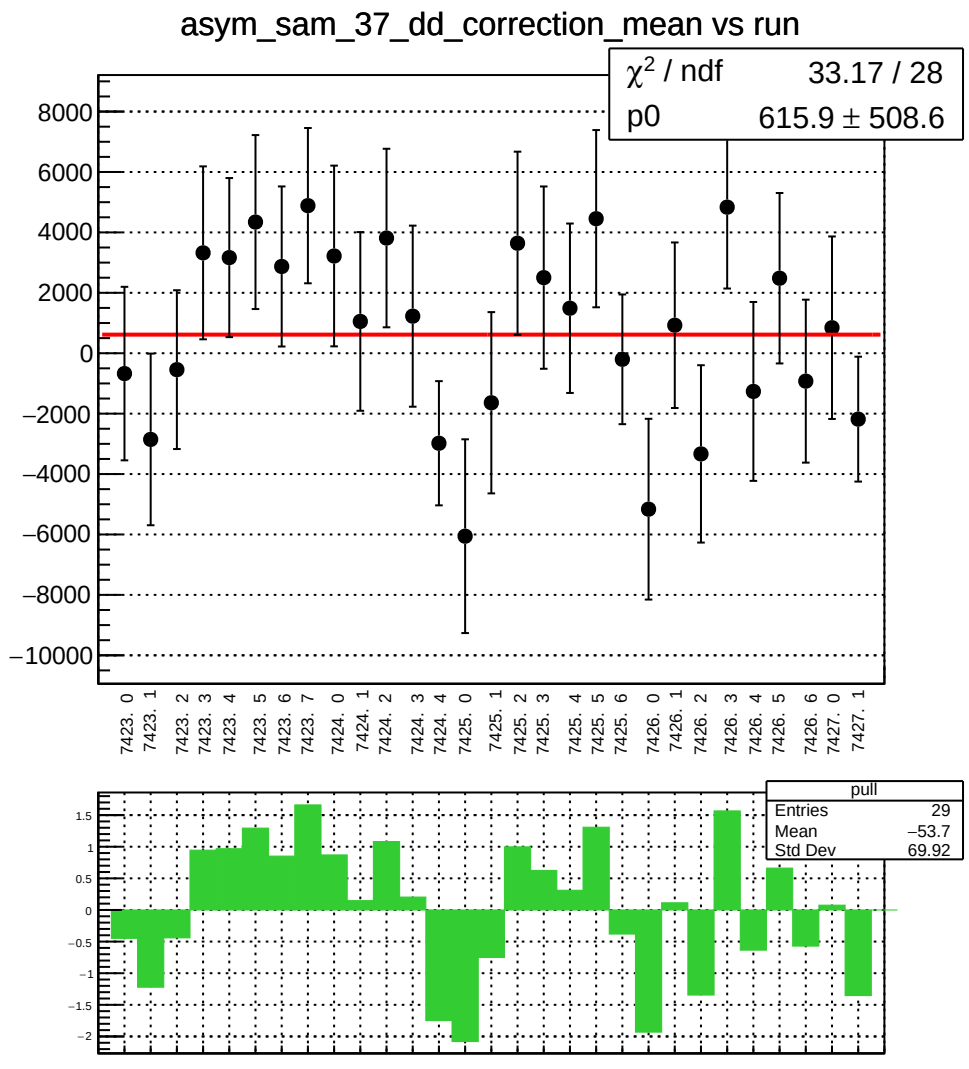

asym_sam_26_dd_mean vs run
χ² / ndf 26.72 / 28
p0 −1987 ± 2404
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 54.79
Std Dev 40.56
2
1.5
1
0.5
0
−0.5
−1
−1.5

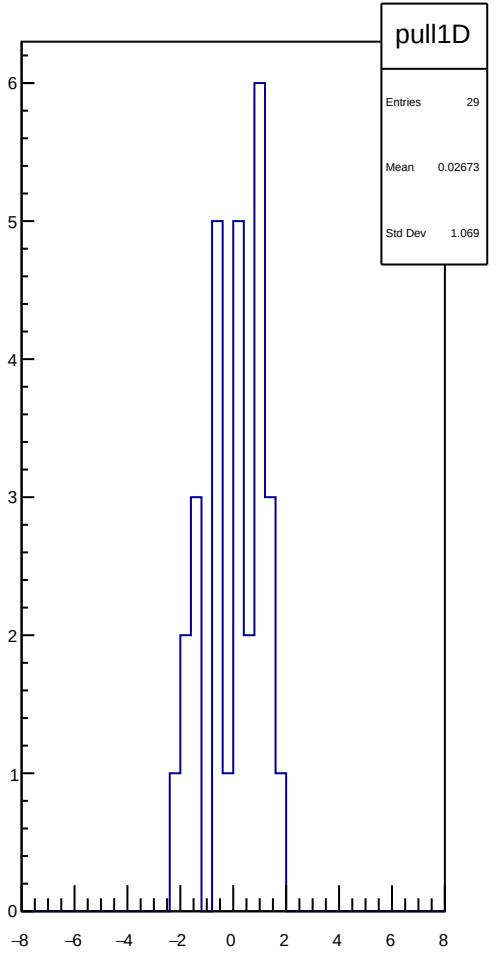

pull1D
Entries 29
Mean 0.02439
Std Dev 0.9596
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

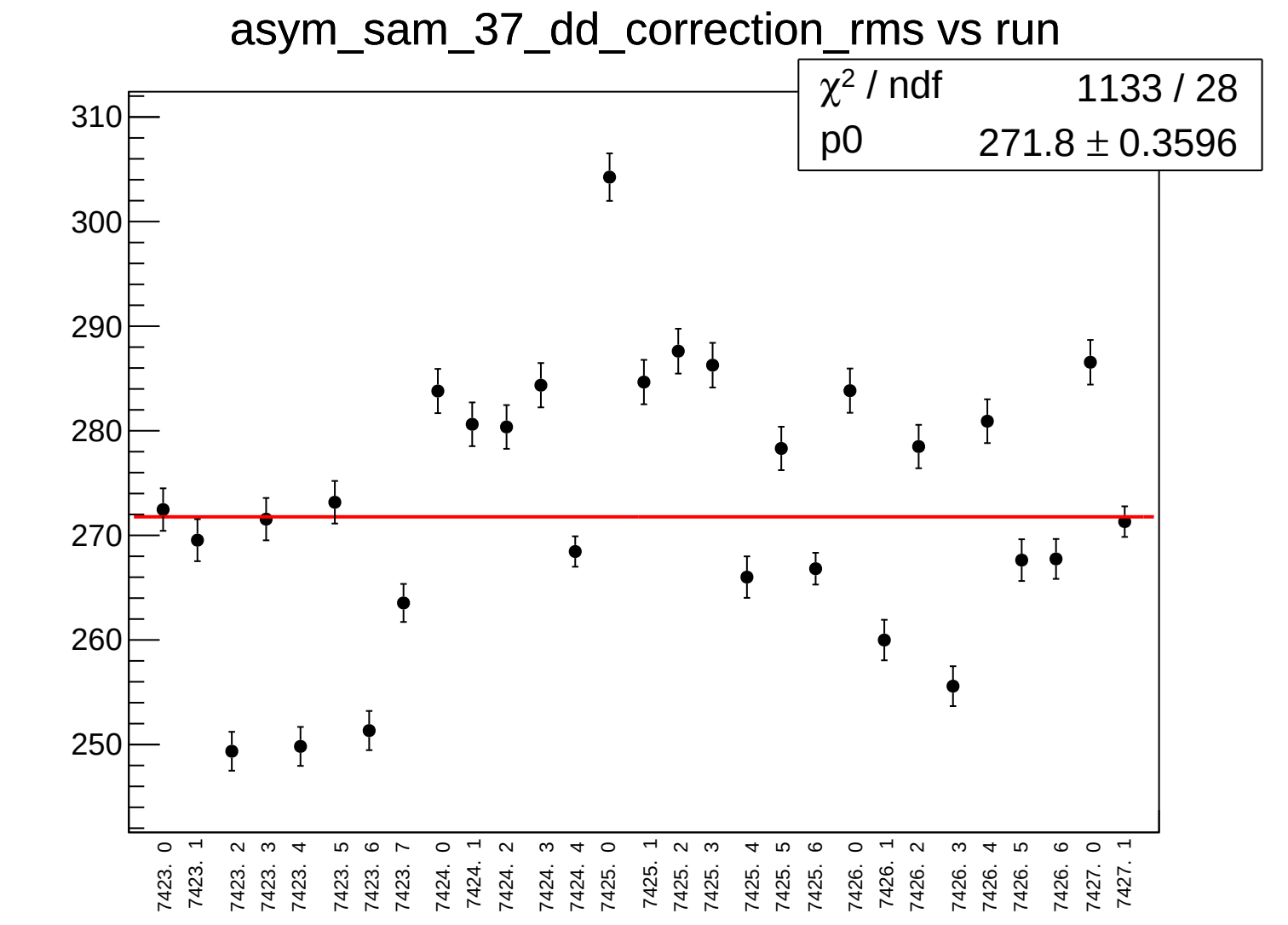

asym_sam_26_dd_rms vs run
χ² / ndf 782.6 / 28
p0 1285 ± 1.7
1400
1350
1300
1250
1200
1150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

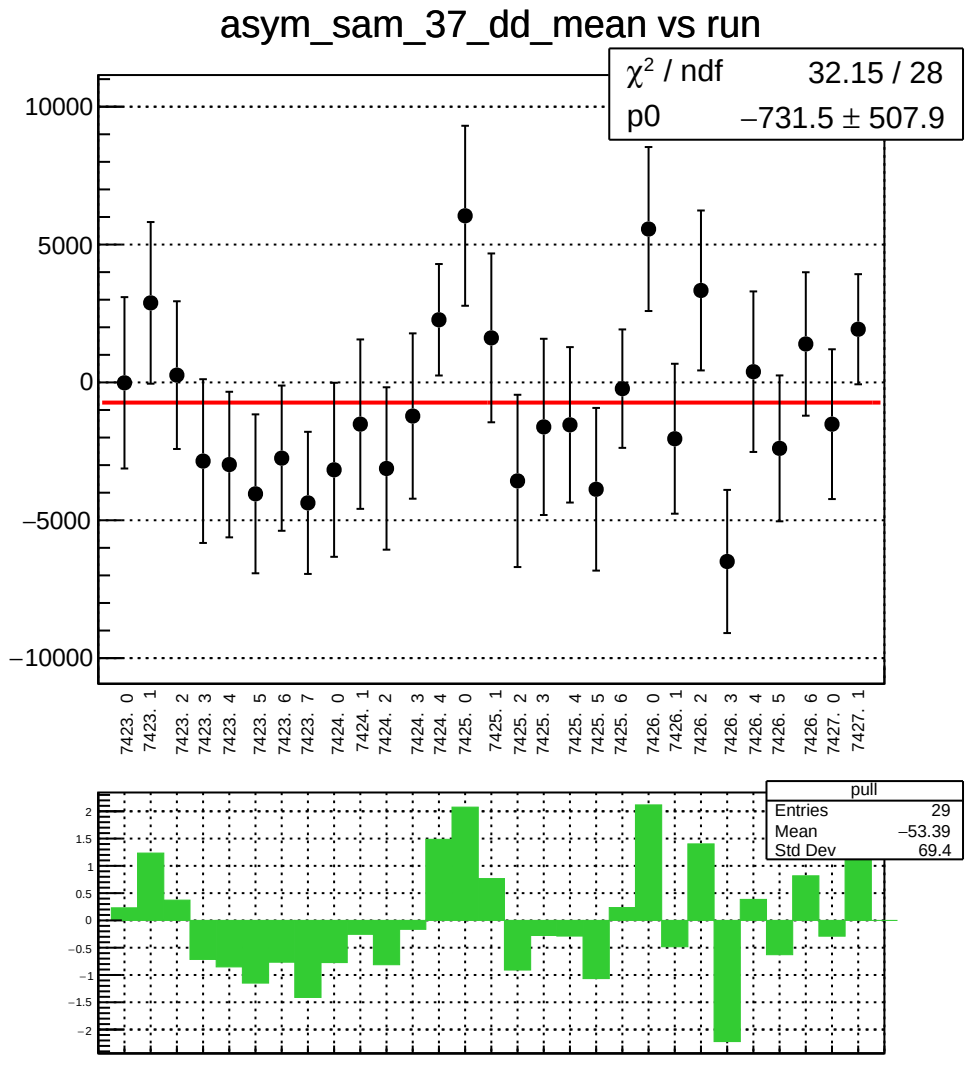

dit_asym_sam_37_dd_mean vs run
χ² / ndf 28.85 / 28
p0 −100.5 ± 104.9
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −83
Std Dev 99.72
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 29
Mean 0.02148
Std Dev 0.9972
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

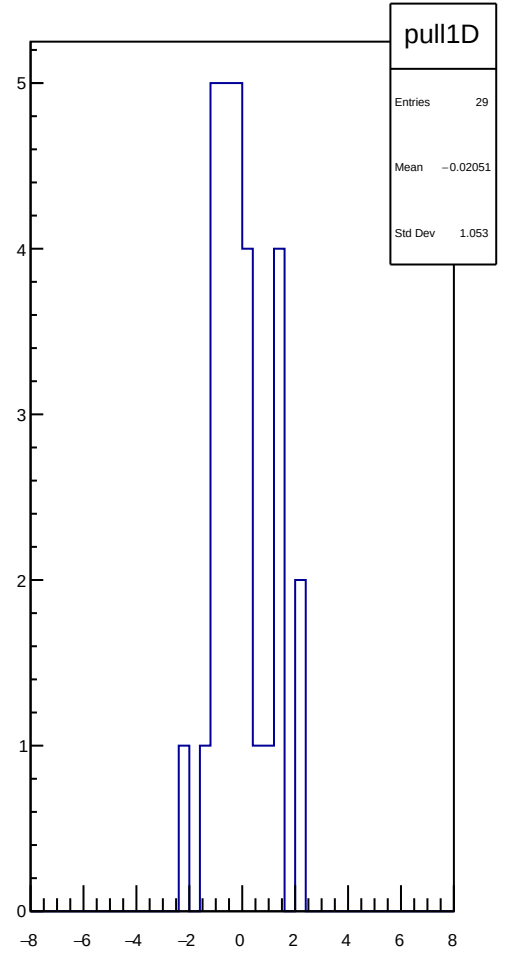

dit_asym_sam_37_dd_rms vs run
χ² / ndf 4712 / 28
p0 55.87 ± 0.07416
80
75
70
65
60
55
50
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

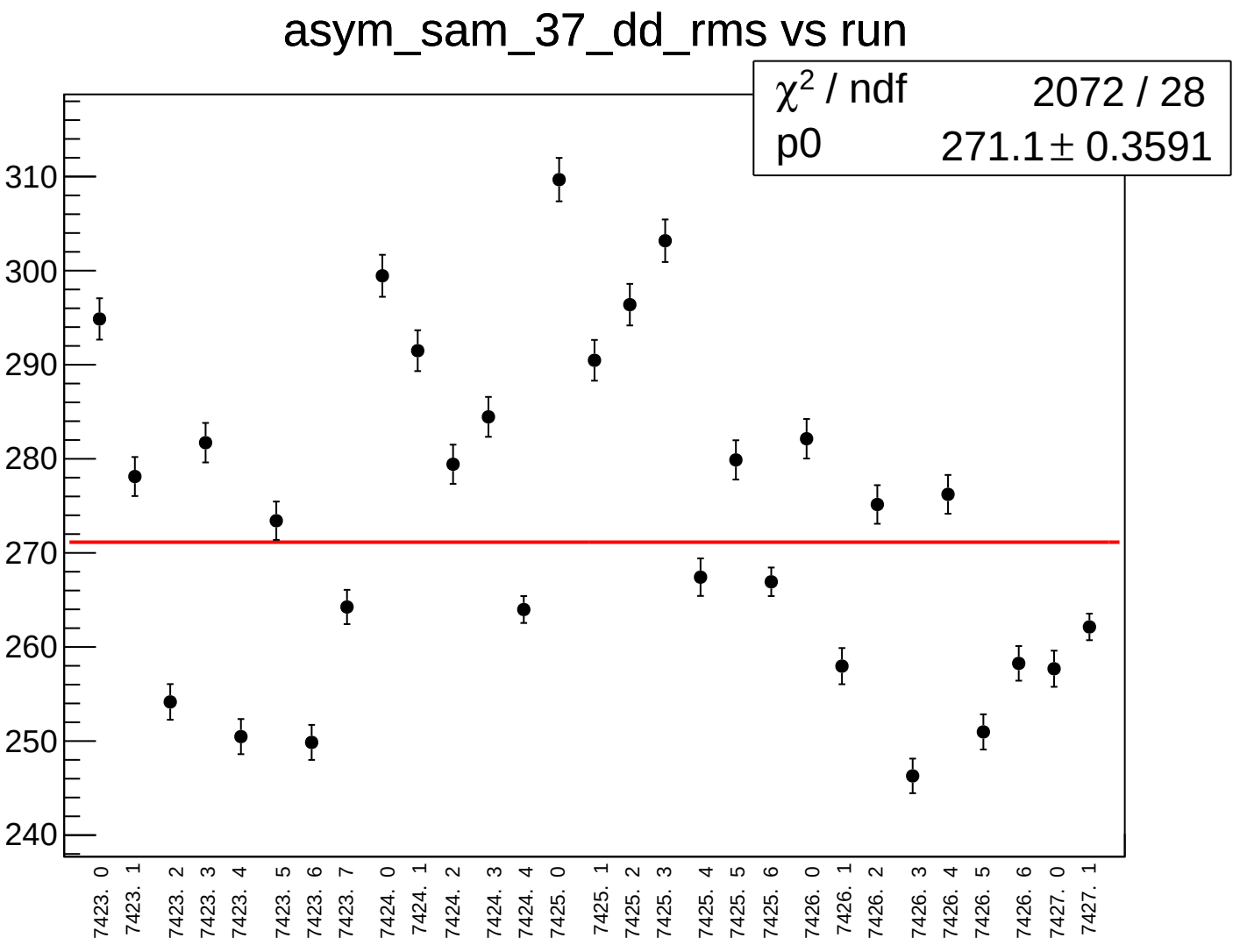

asym_sam_37_dd_correction_mean vs run
χ² / ndf 33.17 / 28
p0 615.9 ± 508.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −53.7
Std Dev 69.92
1.5
1
0.5
0
−0.5
−1
−1.5
−2

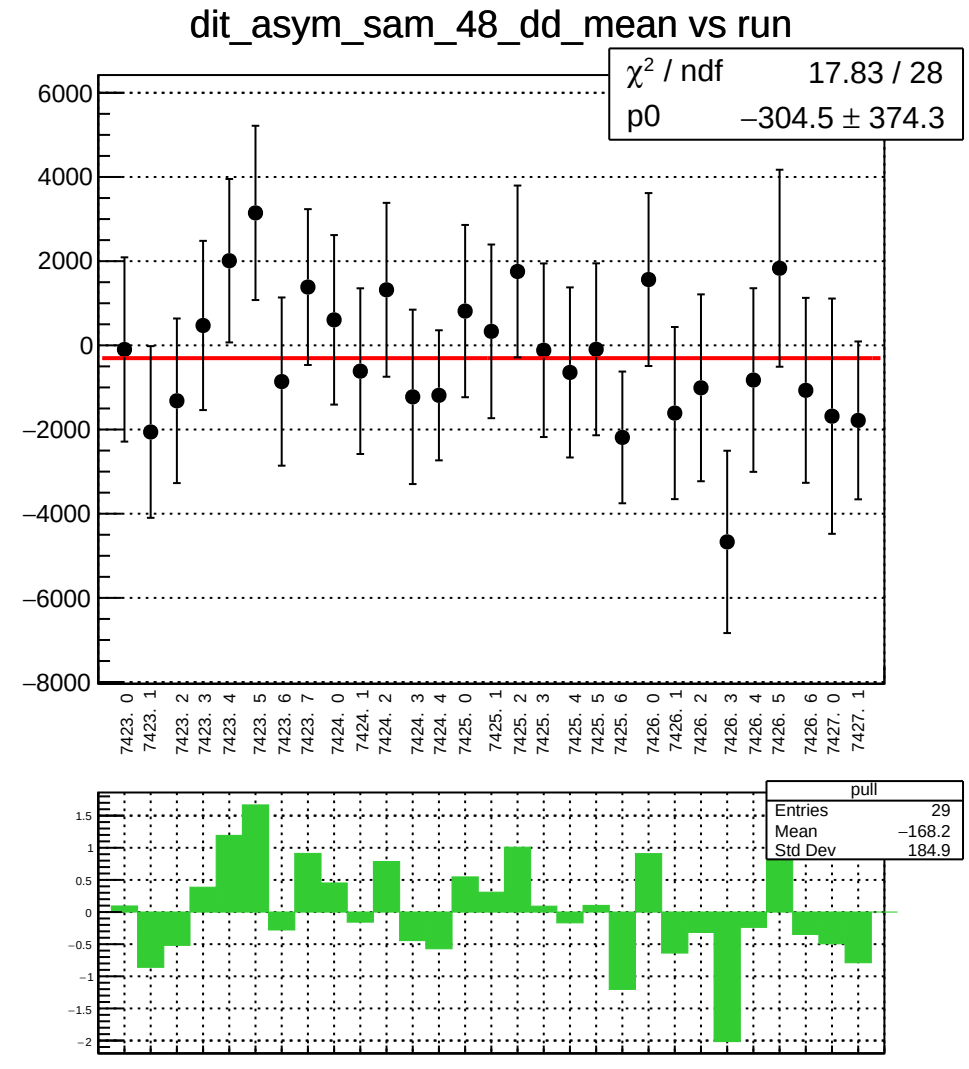

pull1D
Entries 29
Mean 0.02673
Std Dev 1.069
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

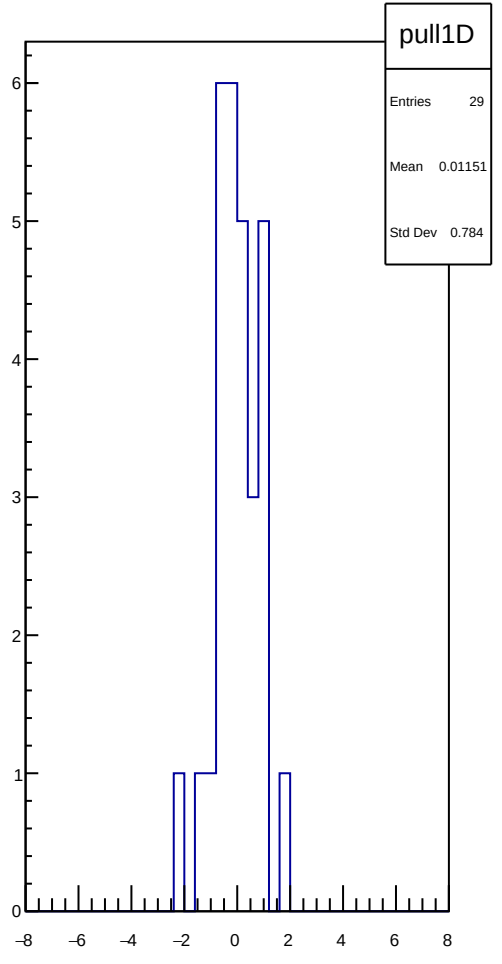

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1133 / 28
p0 271.8 ± 0.3596
310
300
290
280
270
260
250
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

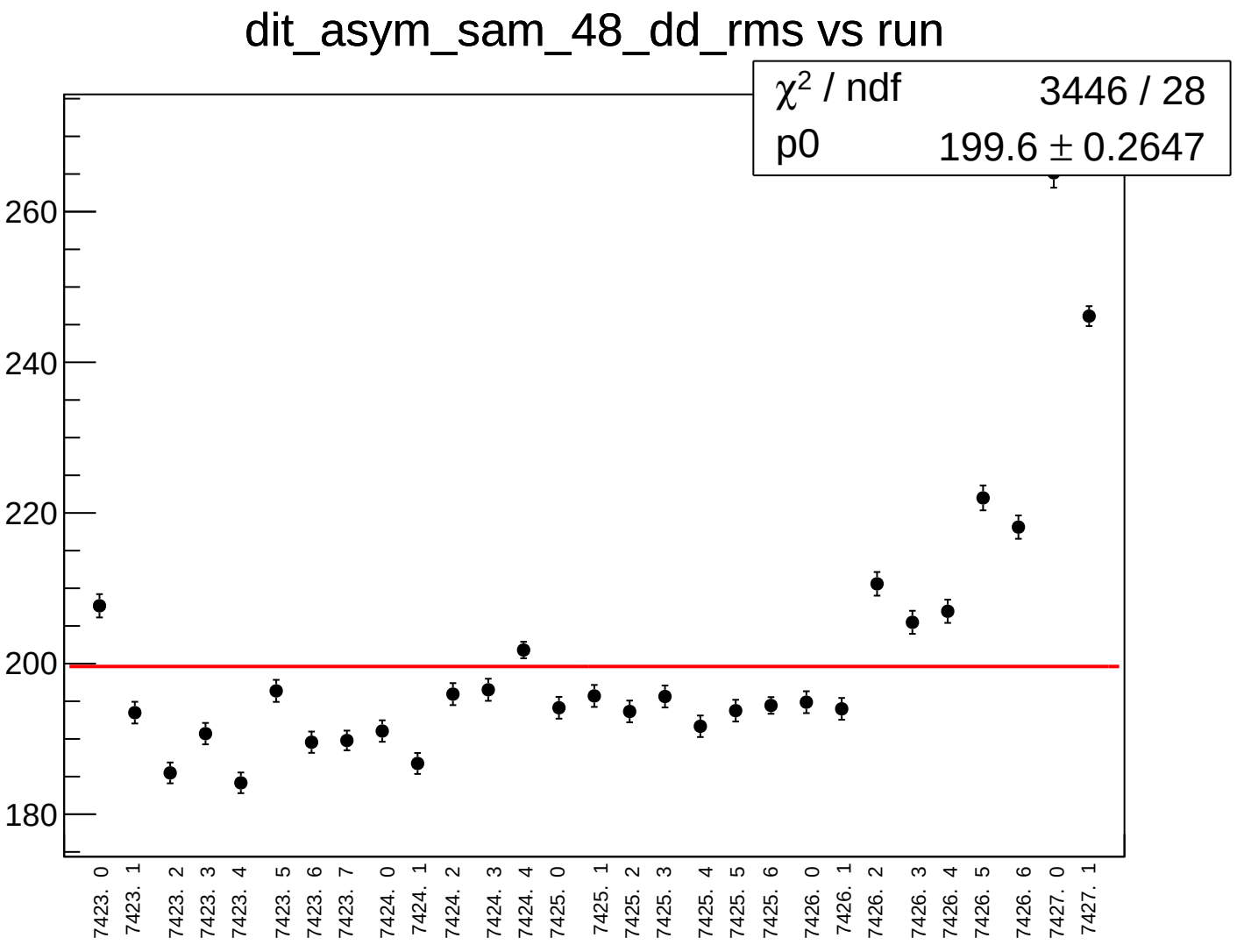

asym_sam_37_dd_mean vs run
χ² / ndf 32.15 / 28
p0 −731.5 ± 507.9
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −53.39
Std Dev 69.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

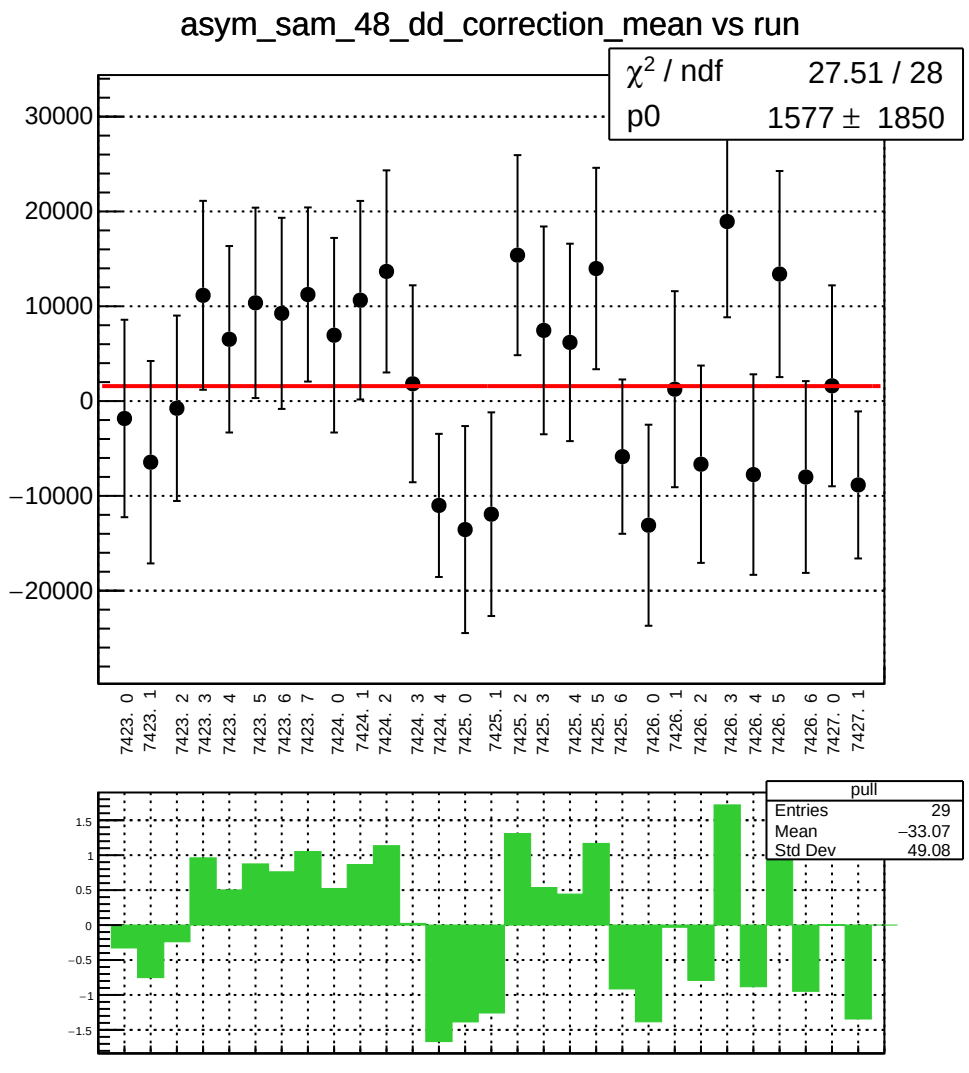

pull1D
Entries 29
Mean −0.02051
Std Dev 1.053
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

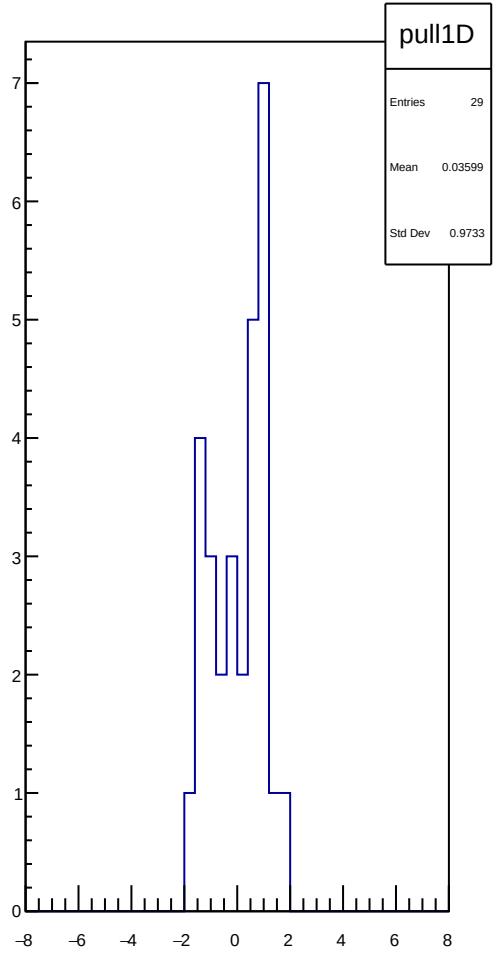

asym_sam_37_dd_rms vs run
χ² / ndf 2072 / 28
p0 271.1 ± 0.3591
310
300
290
280
270
260
250
240
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

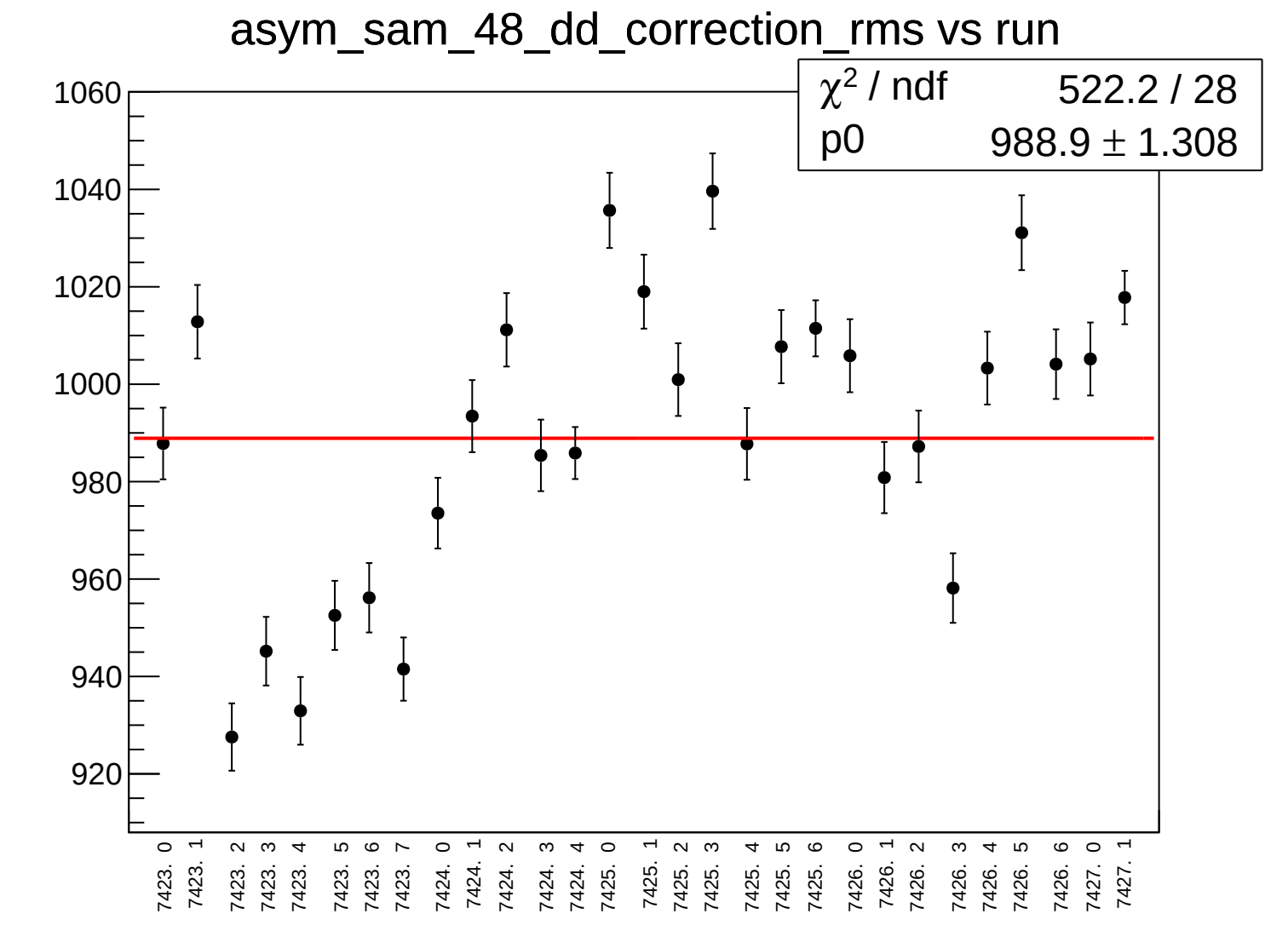

dit_asym_sam_48_dd_mean vs run
χ² / ndf 17.83 / 28
p0 −304.5 ± 374.3
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −168.2
Std Dev 184.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

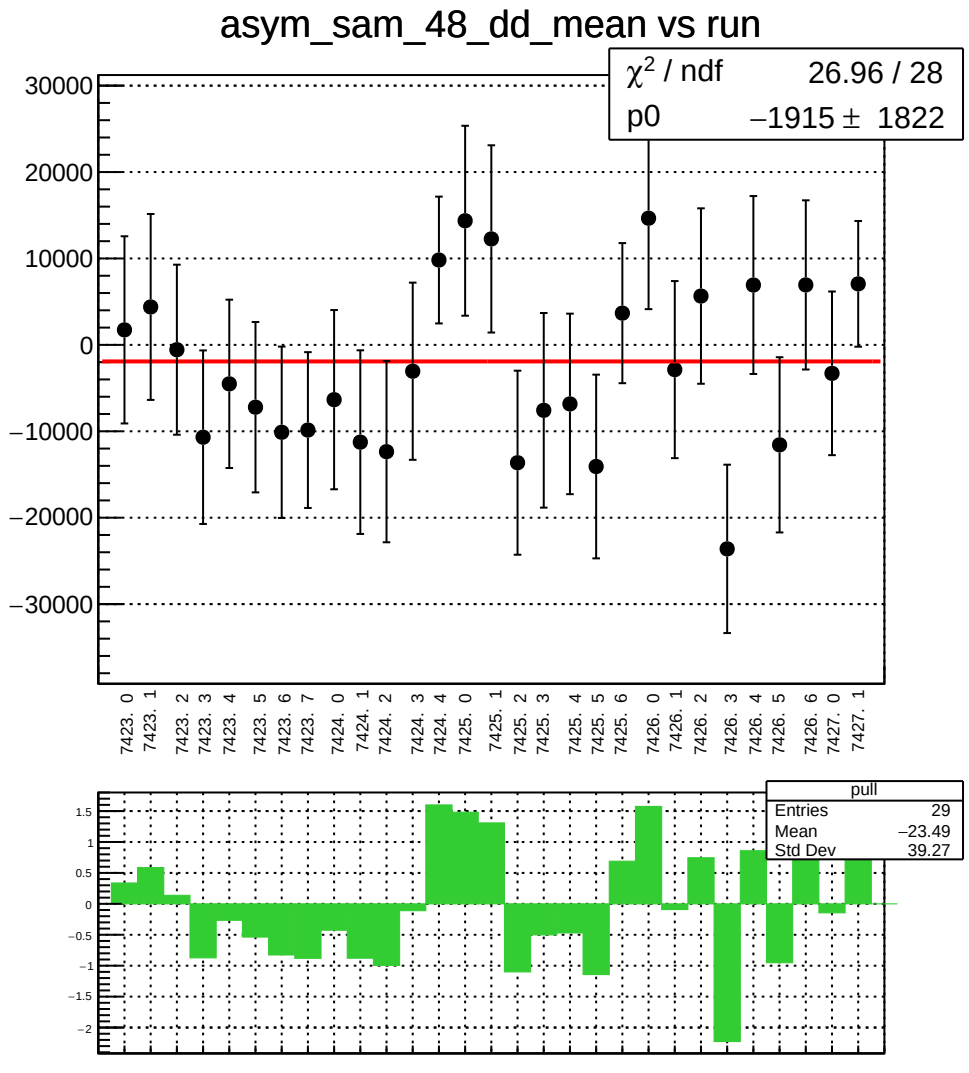

pull1D
Entries 29
Mean 0.01151
Std Dev 0.784
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

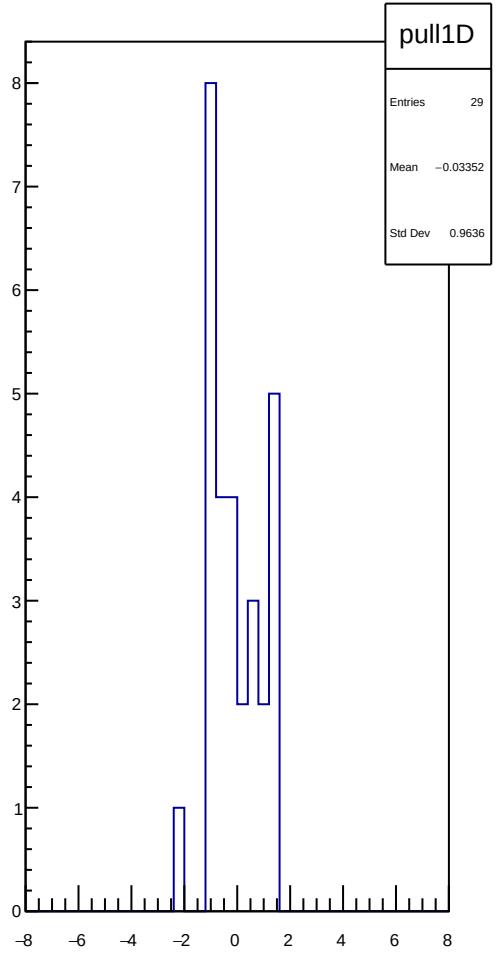

dit_asym_sam_48_dd_rms vs run
χ² / ndf 3446 / 28
p0 199.6 ± 0.2647
260
240
220
200
180
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

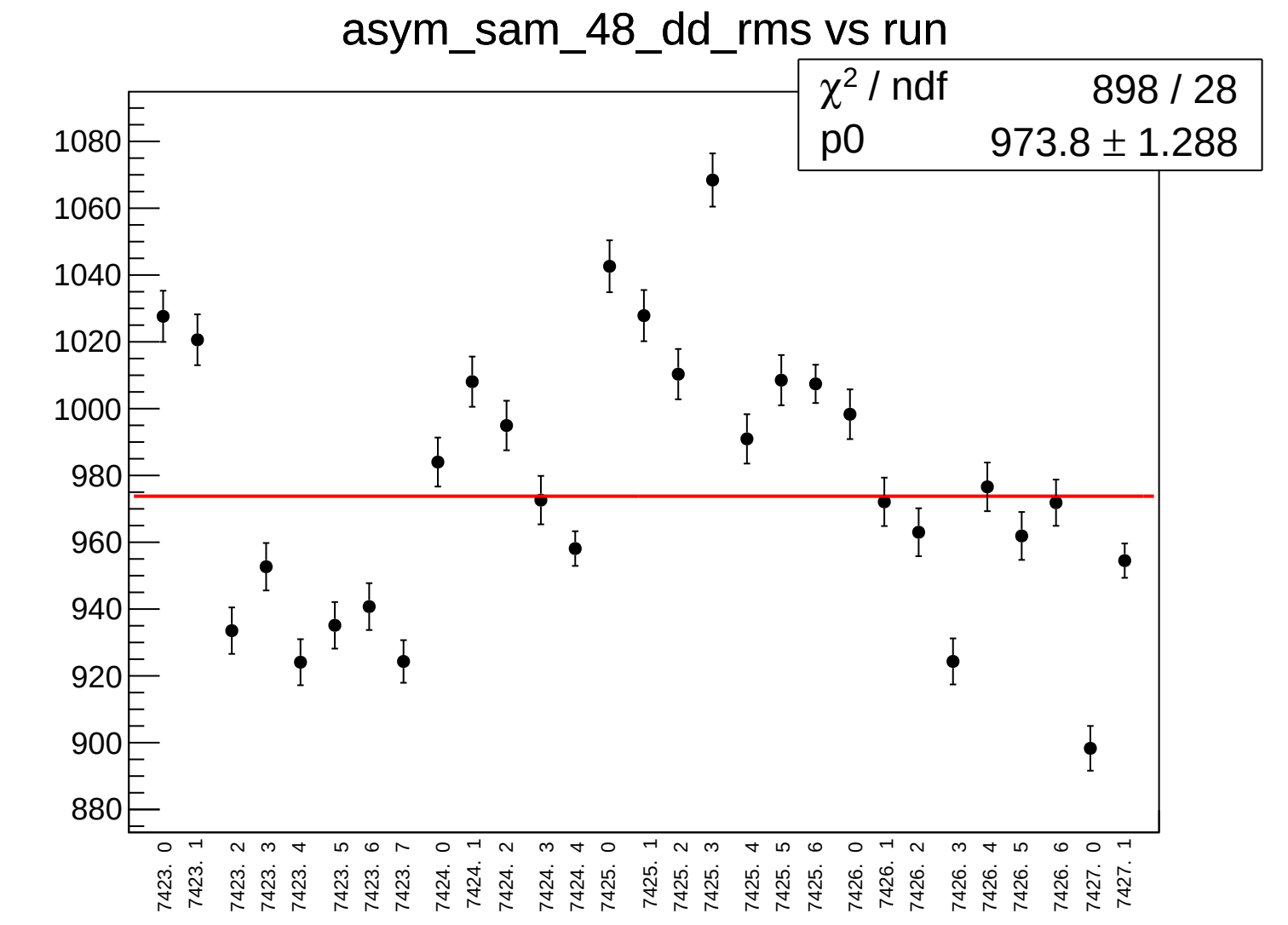

asym_sam_48_dd_correction_mean vs run
χ² / ndf 27.51 / 28
p0 1577 ± 1850
30000
20000
10000
0
−10000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −33.07
Std Dev 49.08
1.5
1
0.5
0
−0.5
−1
−1.5

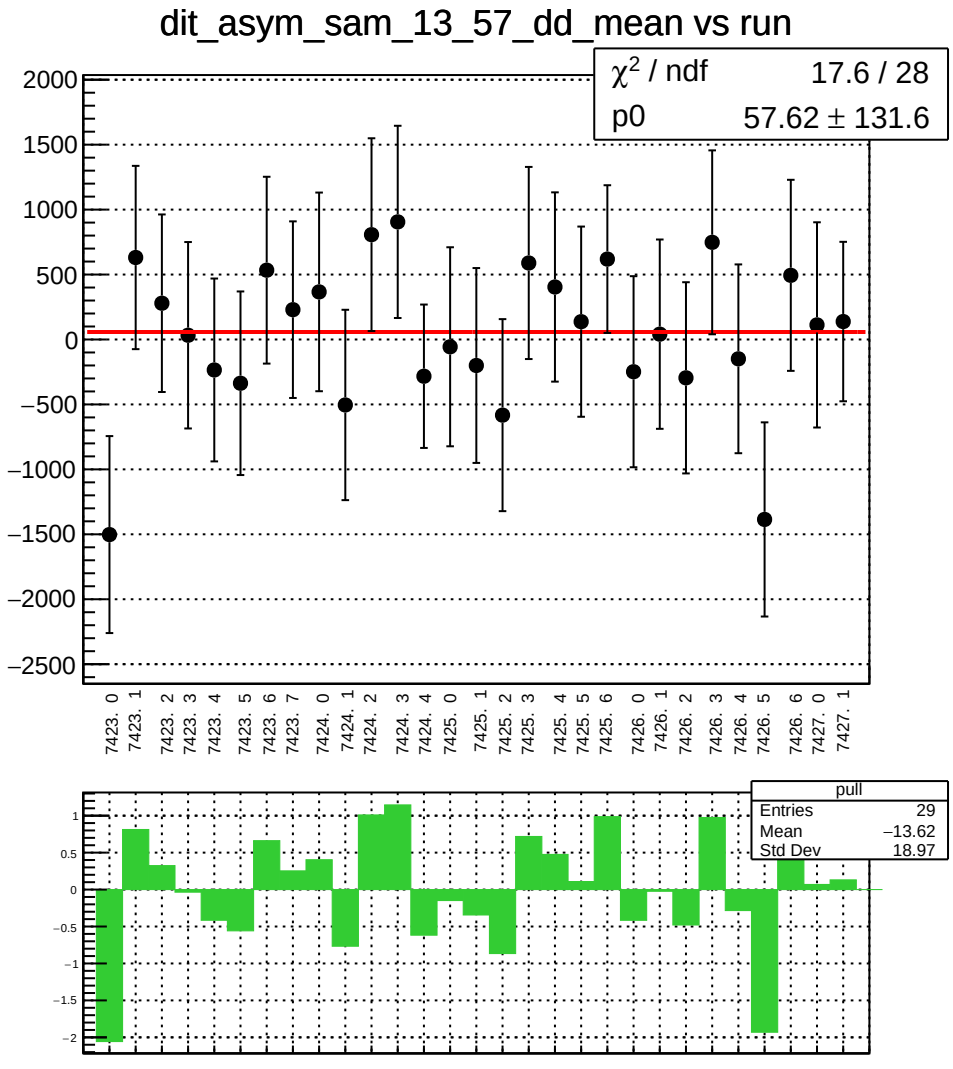

pull1D
Entries 29
Mean 0.03599
Std Dev 0.9733
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

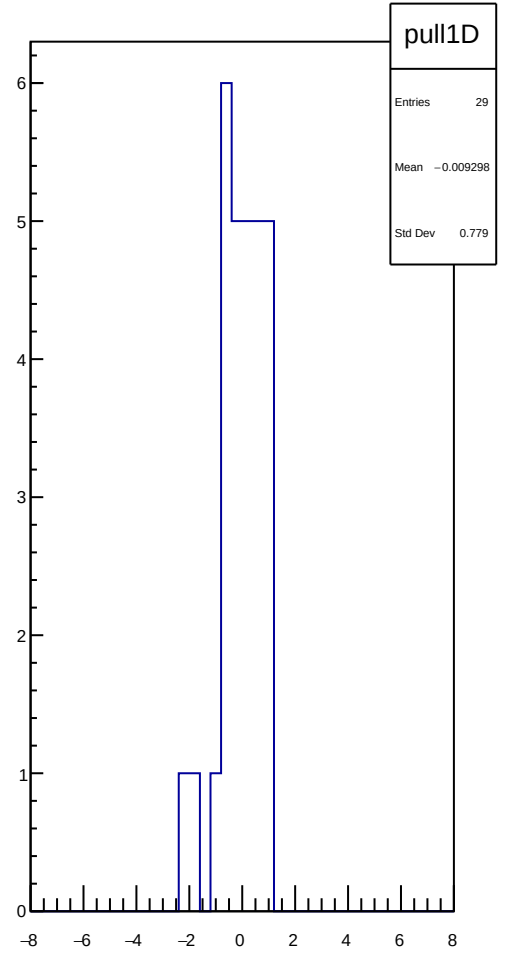

asym_sam_48_dd_correction_rms vs run
χ² / ndf 522.2 / 28
p0 988.9 ± 1.308
1060
1040
1020
1000
980
960
940
920
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

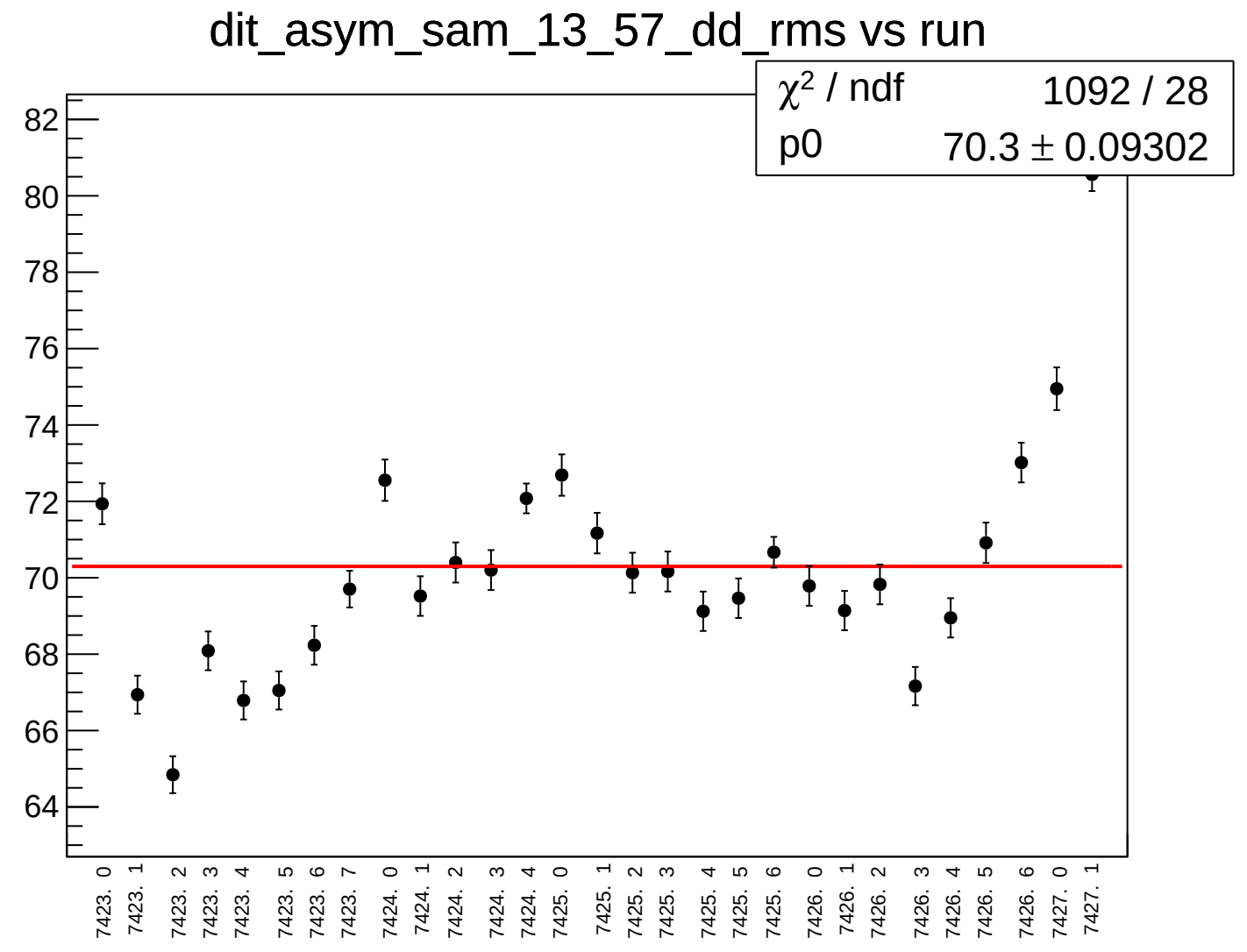

asym_sam_48_dd_mean vs run
χ² / ndf 26.96 / 28
p0 −1915 ± 1822
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −23.49
Std Dev 39.27
1.5
1
0.5
0
−0.5
−1
−1.5
−2

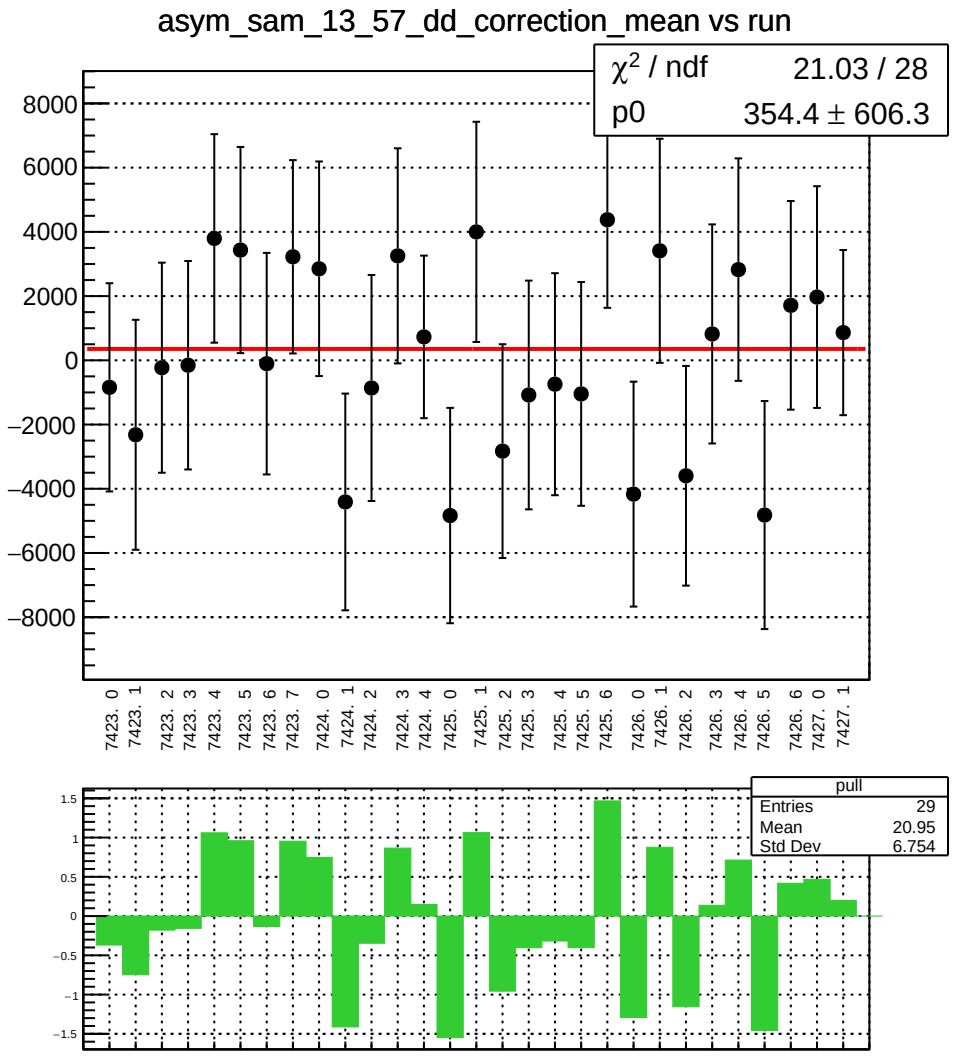

pull1D
Entries 29
Mean −0.03352
Std Dev 0.9636
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

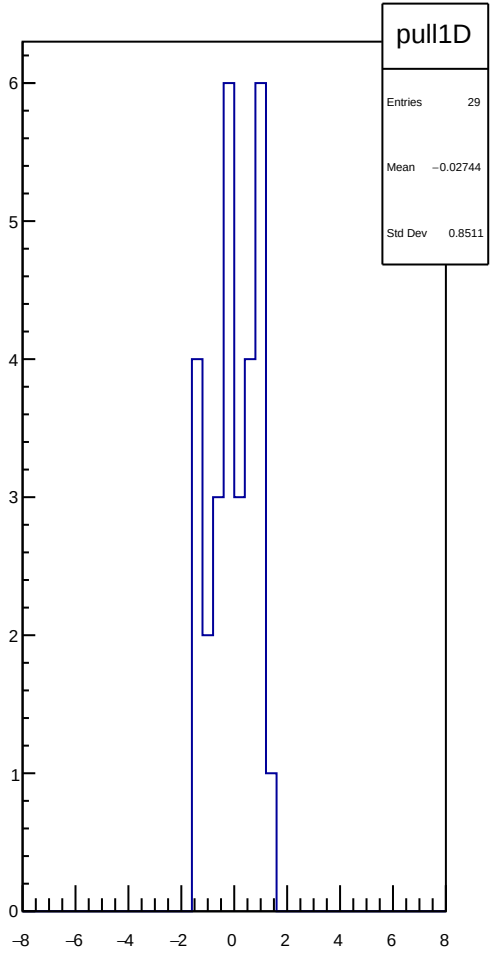

asym_sam_48_dd_rms vs run
χ² / ndf 898 / 28
p0 973.8 ± 1.288
1080
1060
1040
1020
1000
980
960
940
920
900
880
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

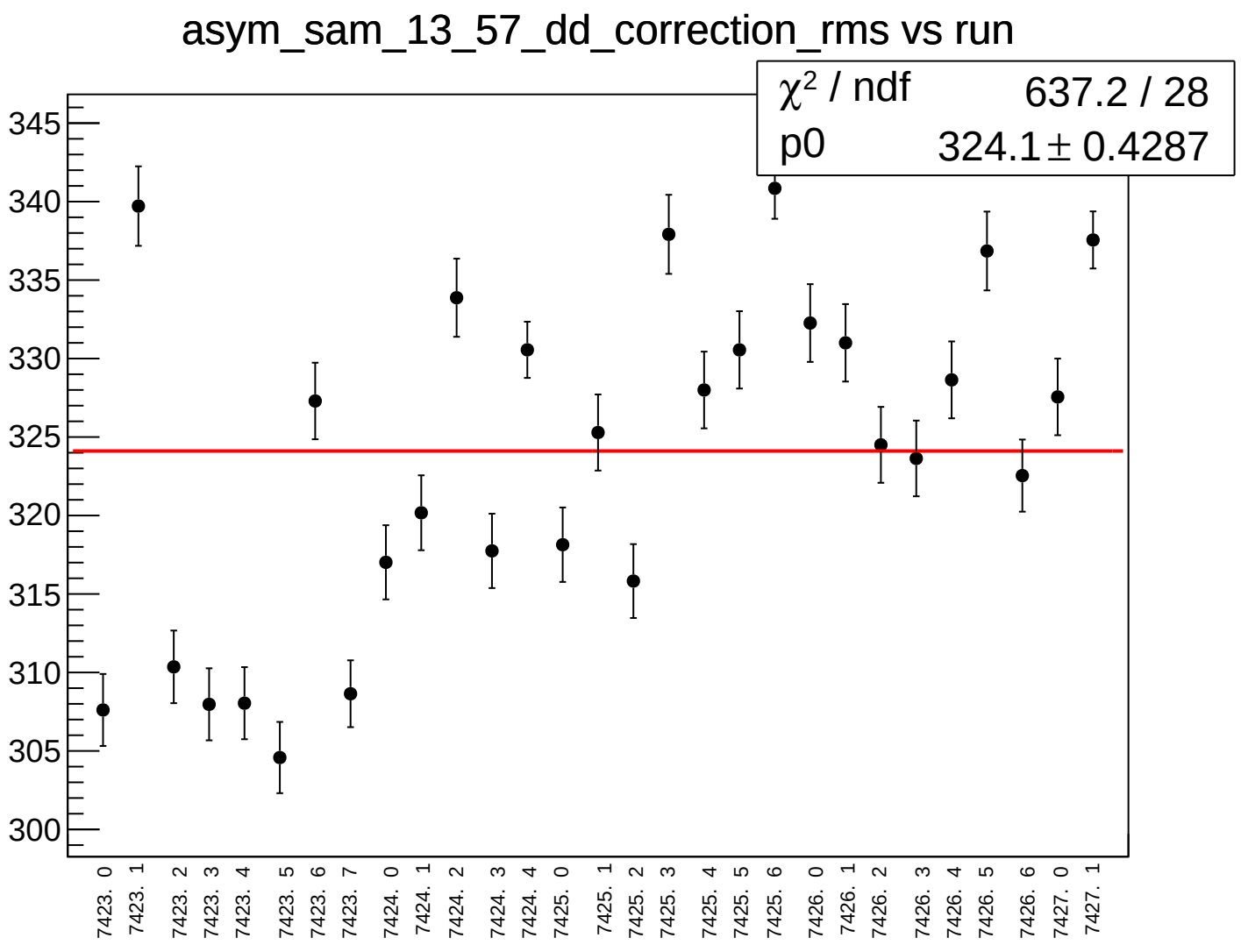

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 17.6 / 28
p0 57.62 ± 131.6
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −13.62
Std Dev 18.97
1
0.5
0
−0.5
−1
−1.5
−2

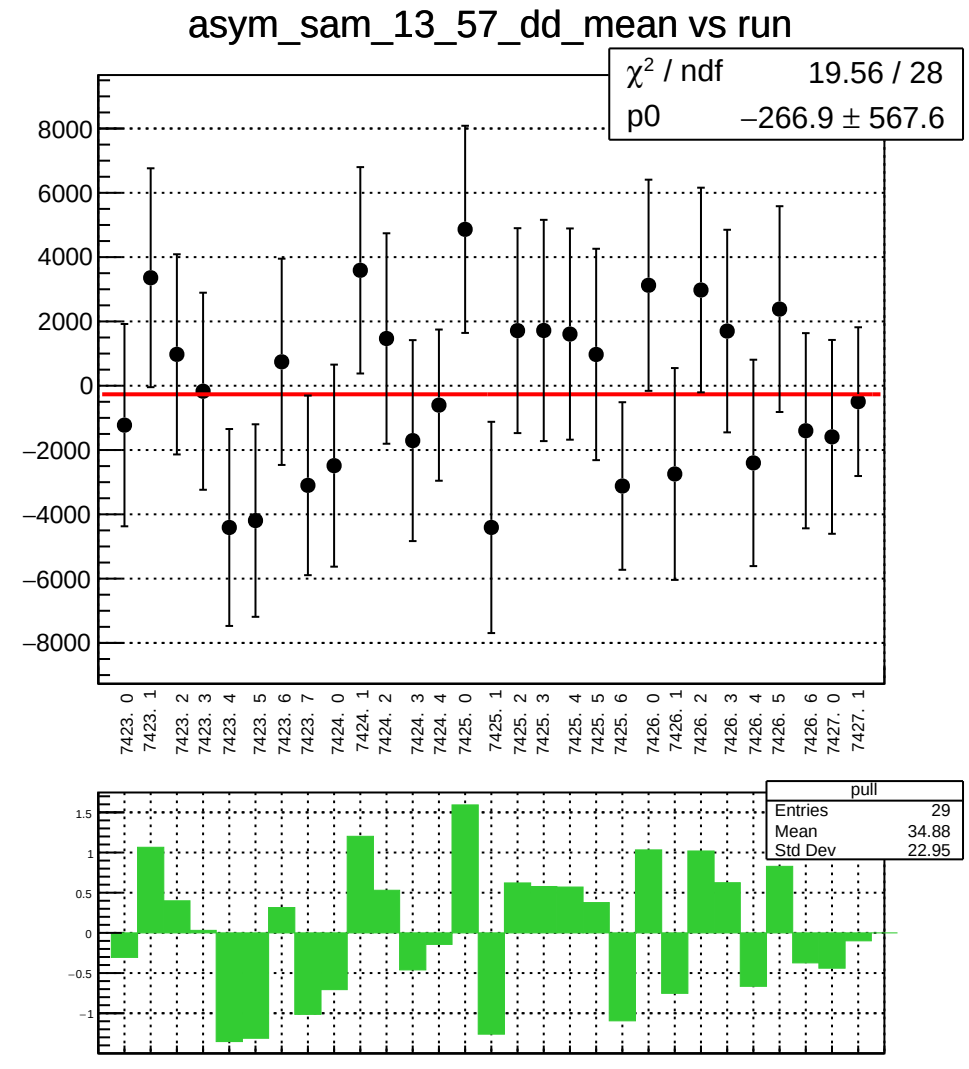

pull1D
Entries 29
Mean −0.009298
Std Dev 0.779
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

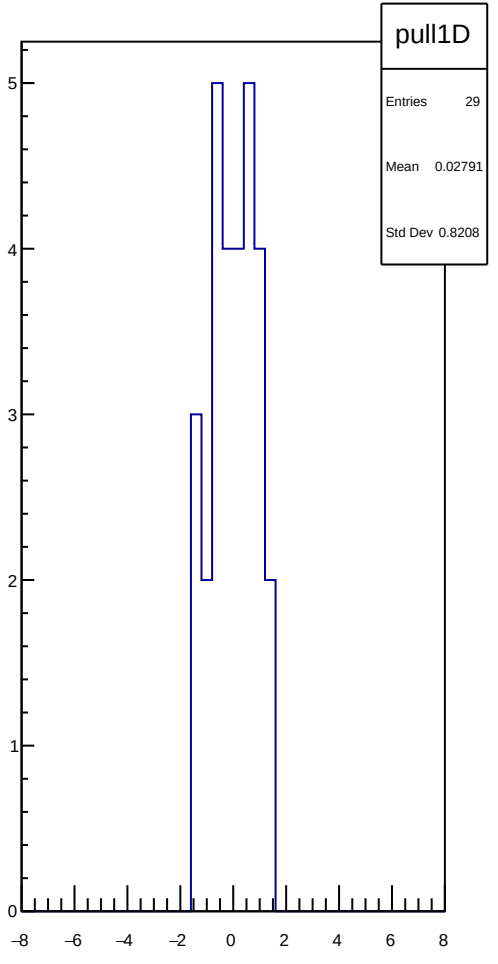

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1092 / 28
p0 70.3 ± 0.09302
82
80
78
76
74
72
70
68
66
64
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

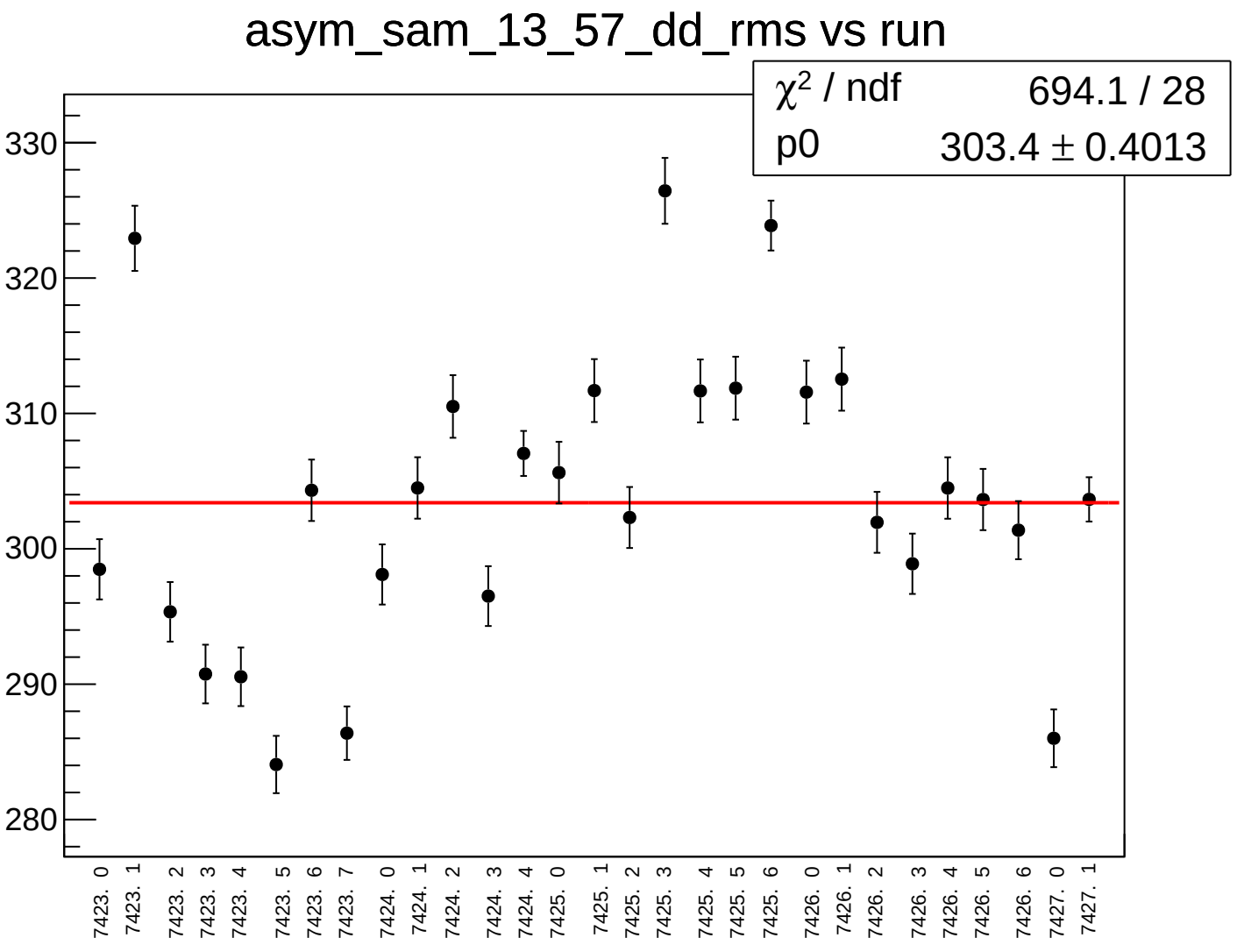

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 21.03 / 28
p0 354.4 ± 606.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 20.95
Std Dev 6.754
1.5
1
0.5
0
−0.5
−1
−1.5

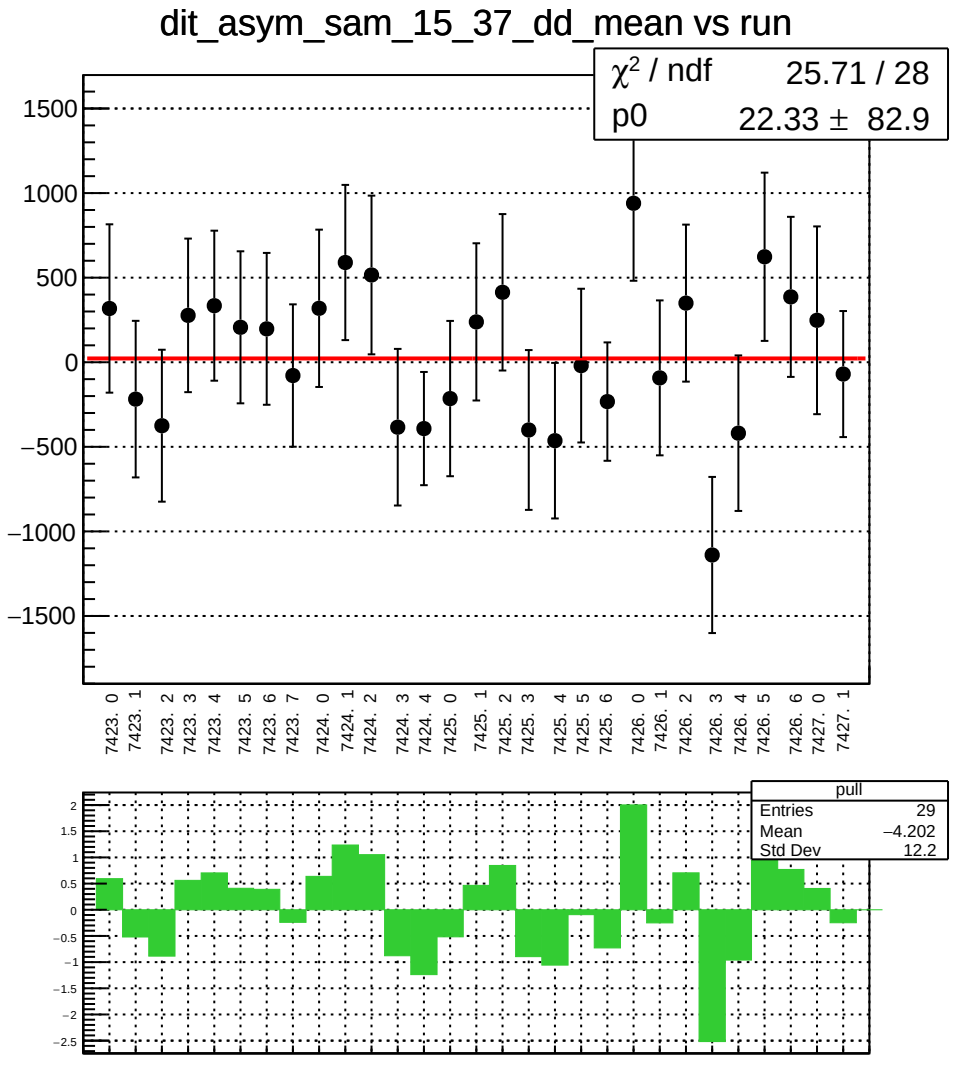

pull1D
Entries 29
Mean −0.02744
Std Dev 0.8511
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

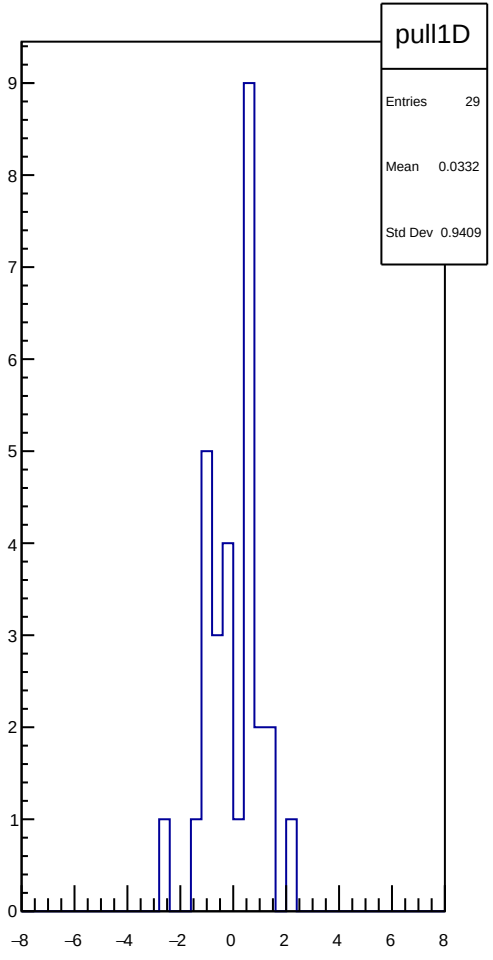

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 637.2 / 28
p0 324.1 ± 0.4287
345
340
335
330
325
320
315
310
305
300
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

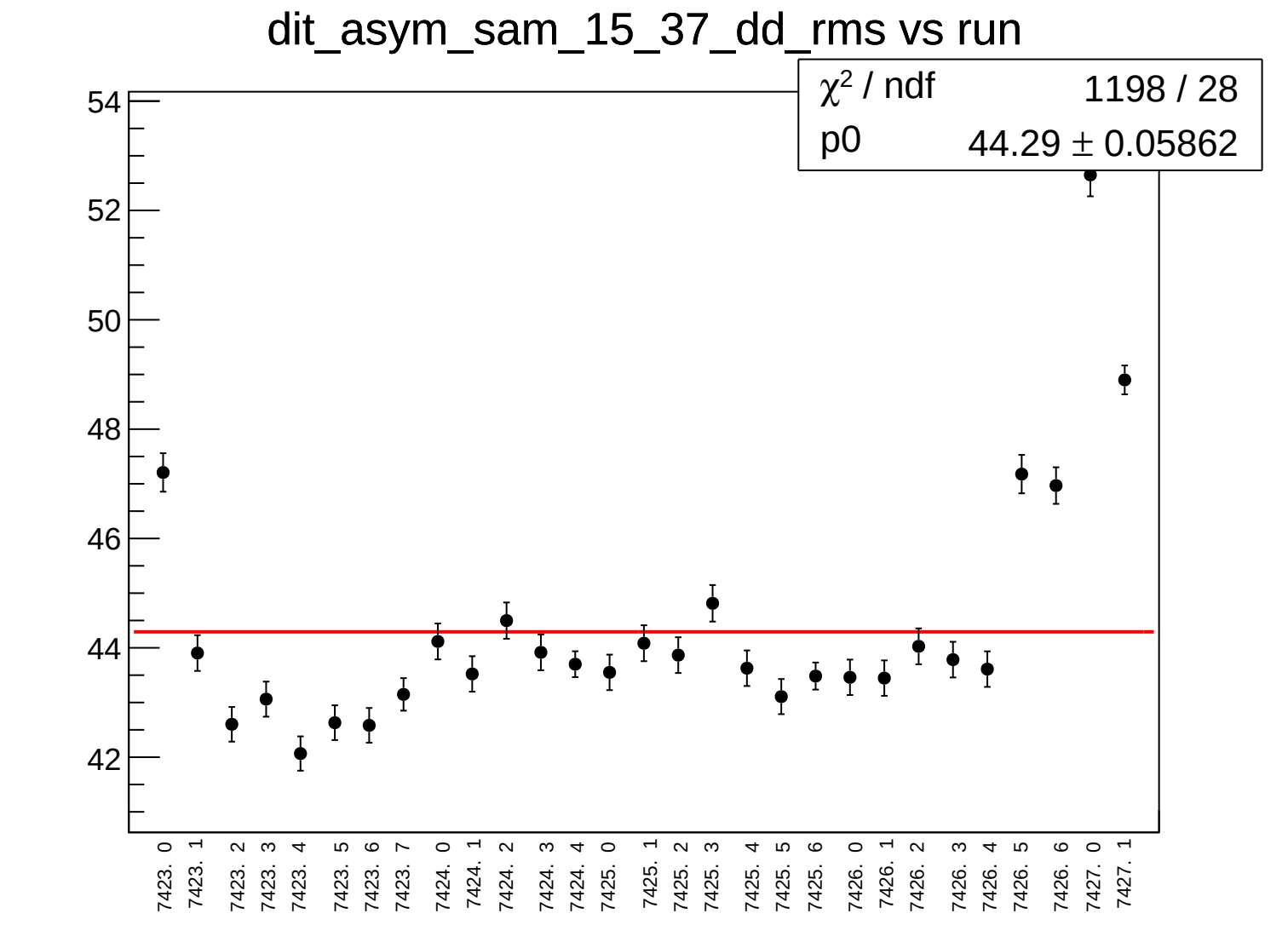

asym_sam_13_57_dd_mean vs run
χ² / ndf 19.56 / 28
p0 −266.9 ± 567.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 34.88
Std Dev 22.95
1.5
1
0.5
0
−0.5
−1

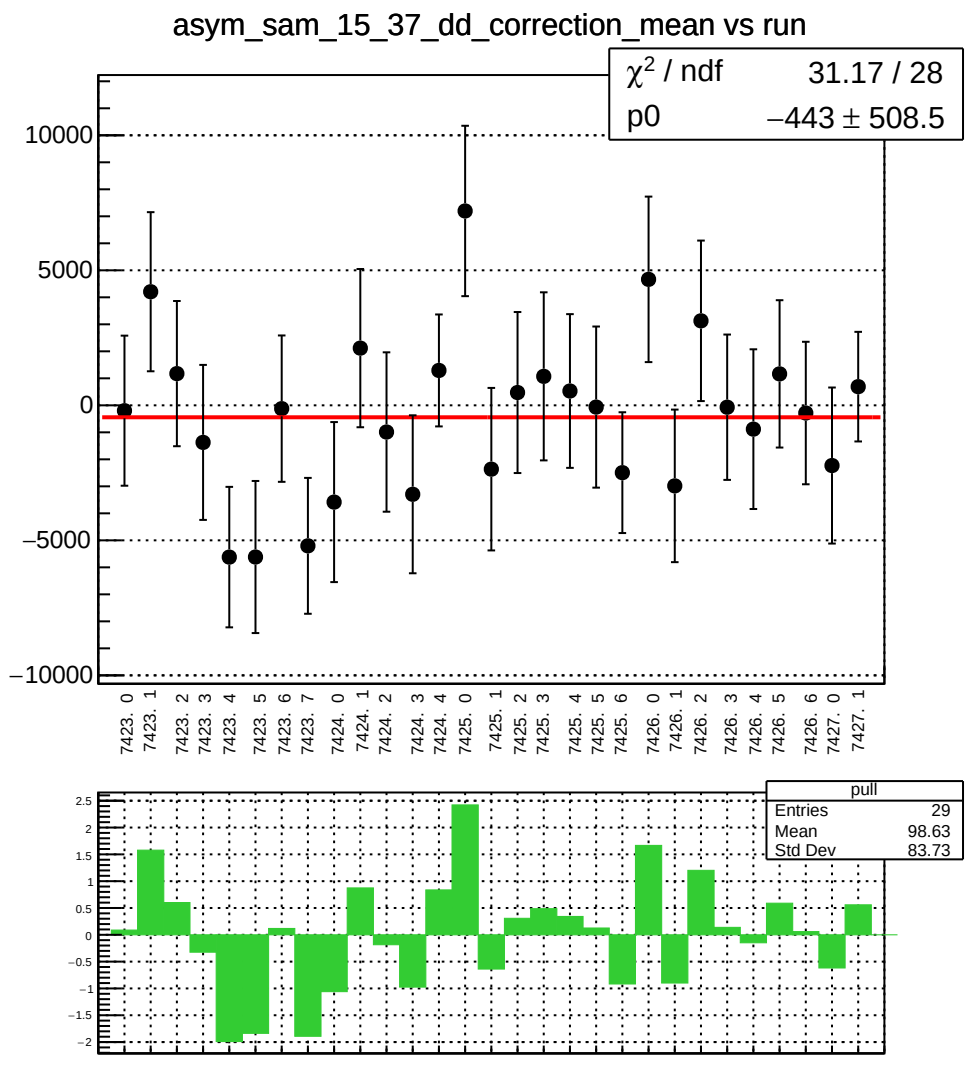

pull1D
Entries 29
Mean 0.02791
Std Dev 0.8208
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

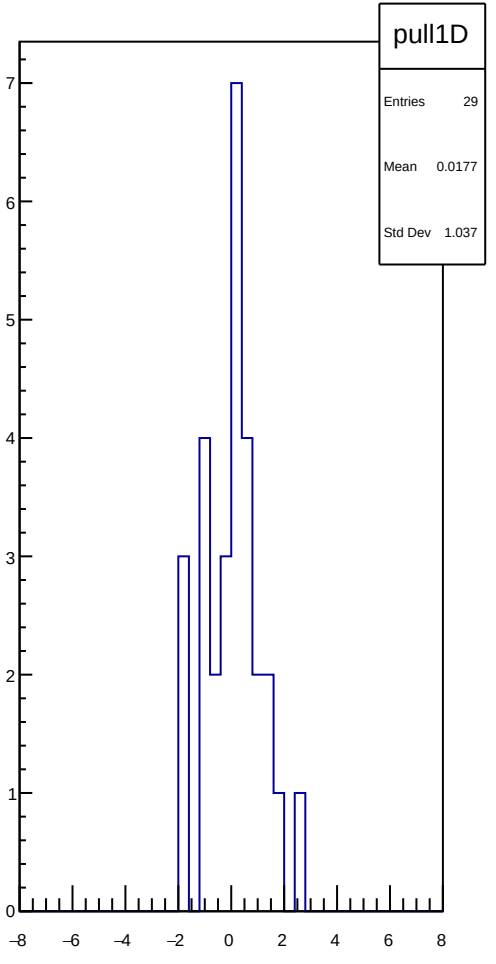

asym_sam_13_57_dd_rms vs run
χ² / ndf 694.1 / 28
p0 303.4 ± 0.4013
330
320
310
300
290
280
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

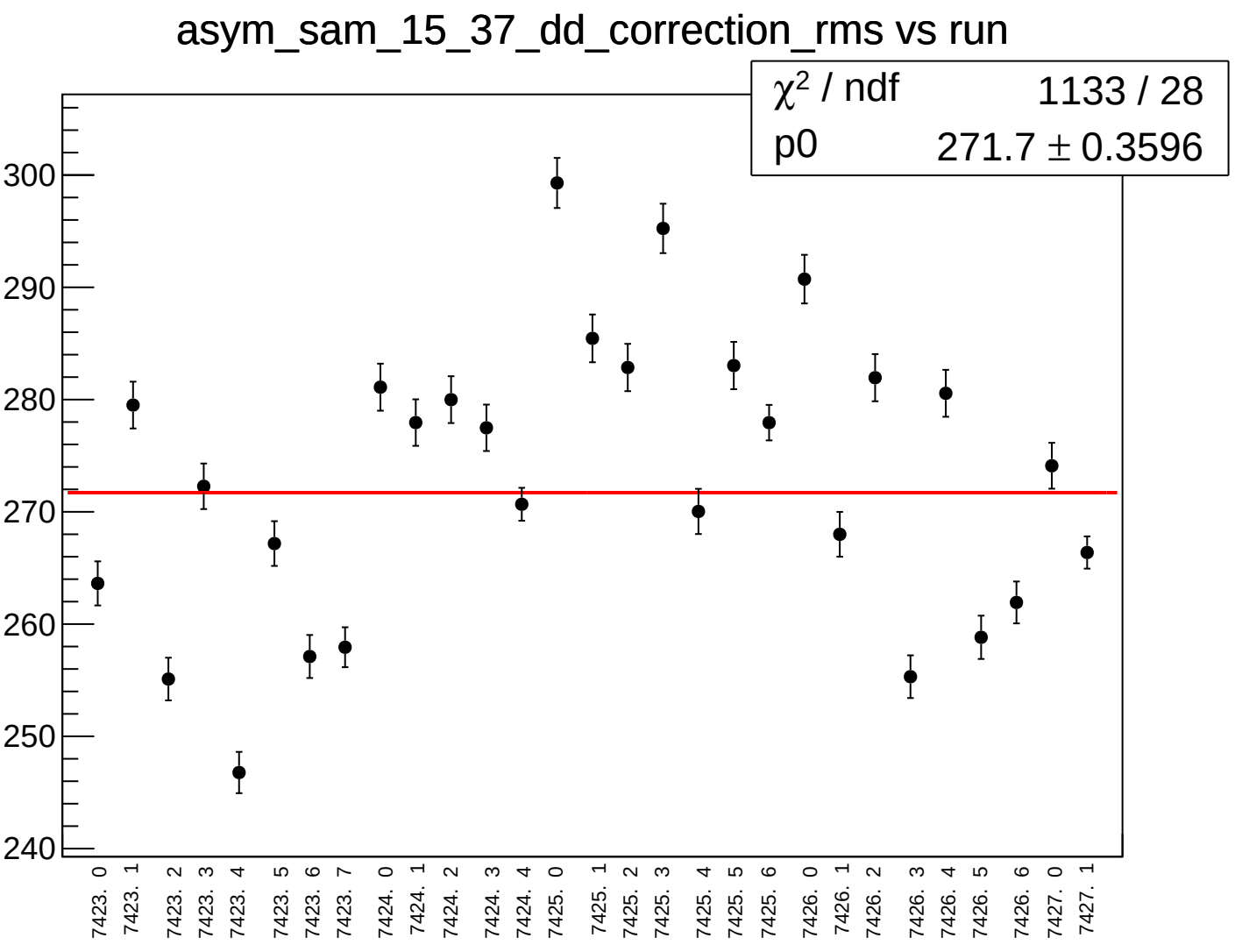

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 25.71 / 28
p0 22.33 ± 82.9
1500
1000
500
0
−500
−1000
−1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −4.202
Std Dev 12.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

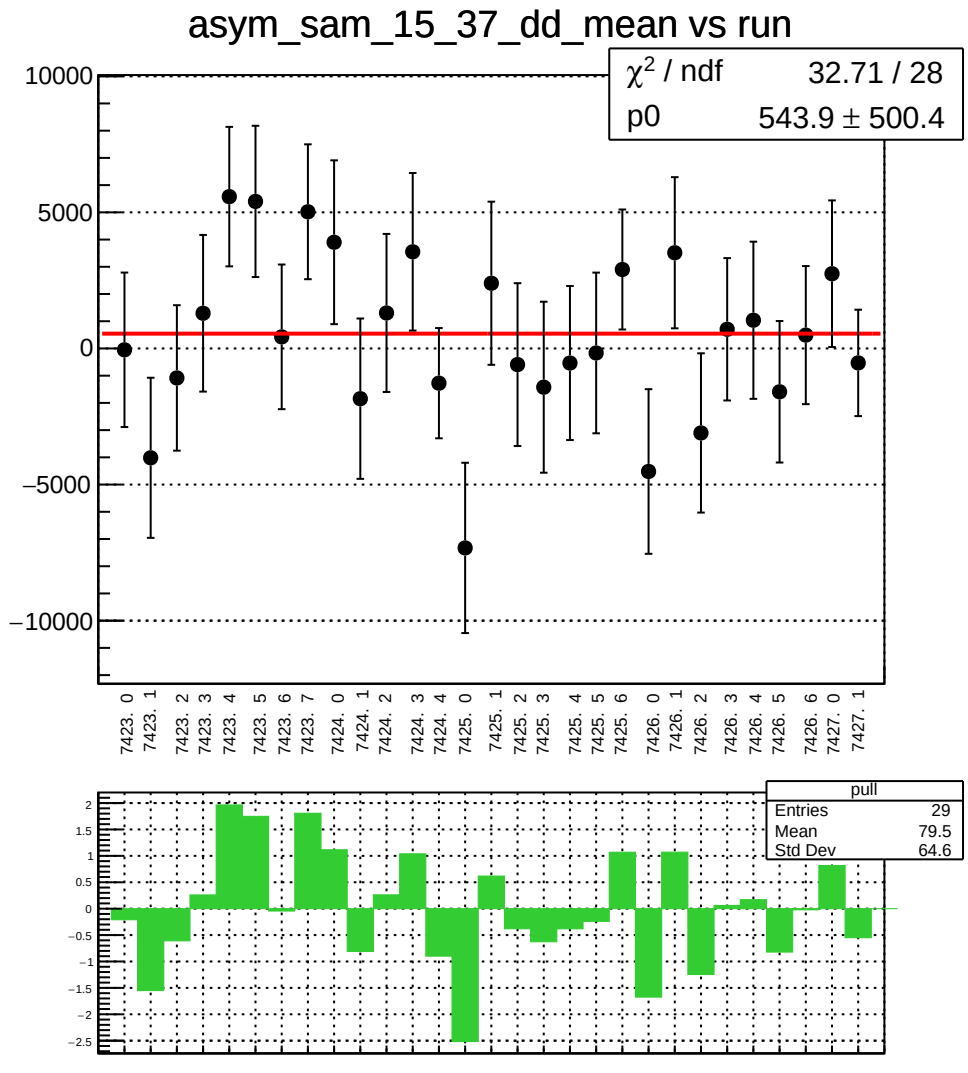

pull1D
Entries 29
Mean 0.0332
Std Dev 0.9409
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

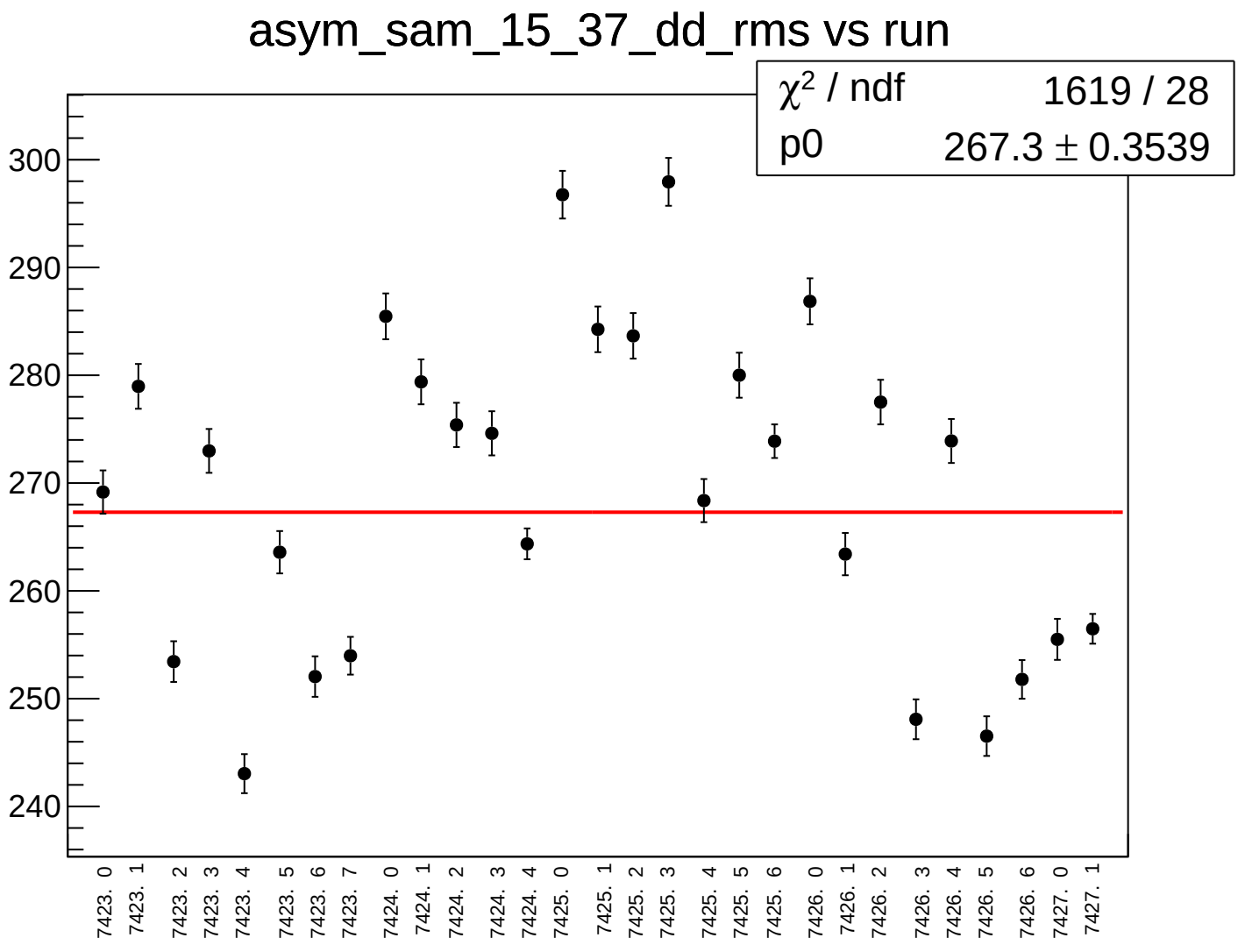

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1198 / 28
p0 44.29 ± 0.05862
54
52
50
48
46
44
42
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

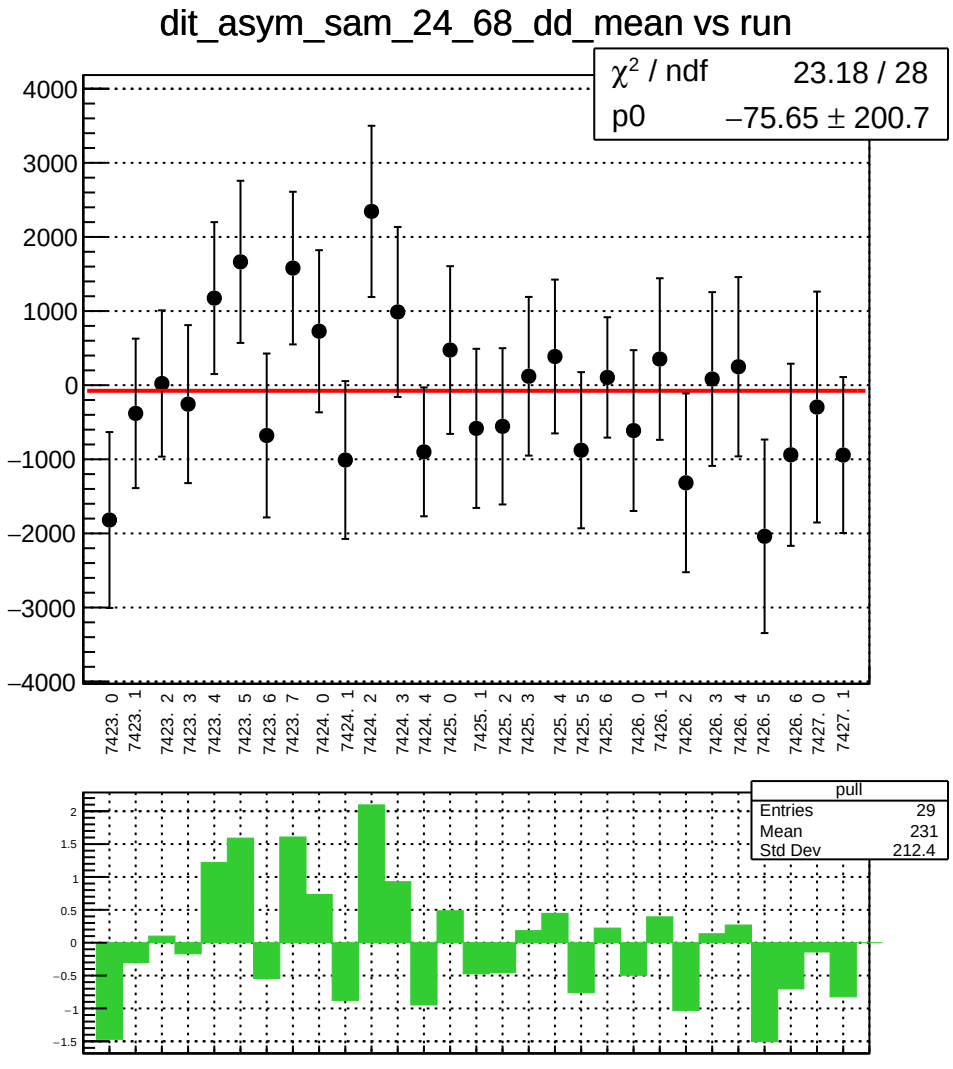

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 31.17 / 28
p0 −443 ± 508.5
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 98.63
Std Dev 83.73
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

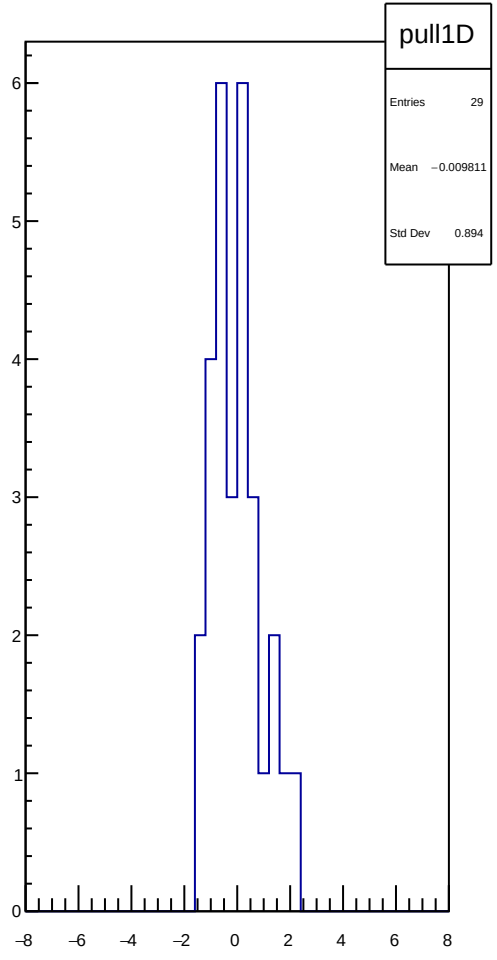

pull1D
Entries 29
Mean 0.0177
Std Dev 1.037
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

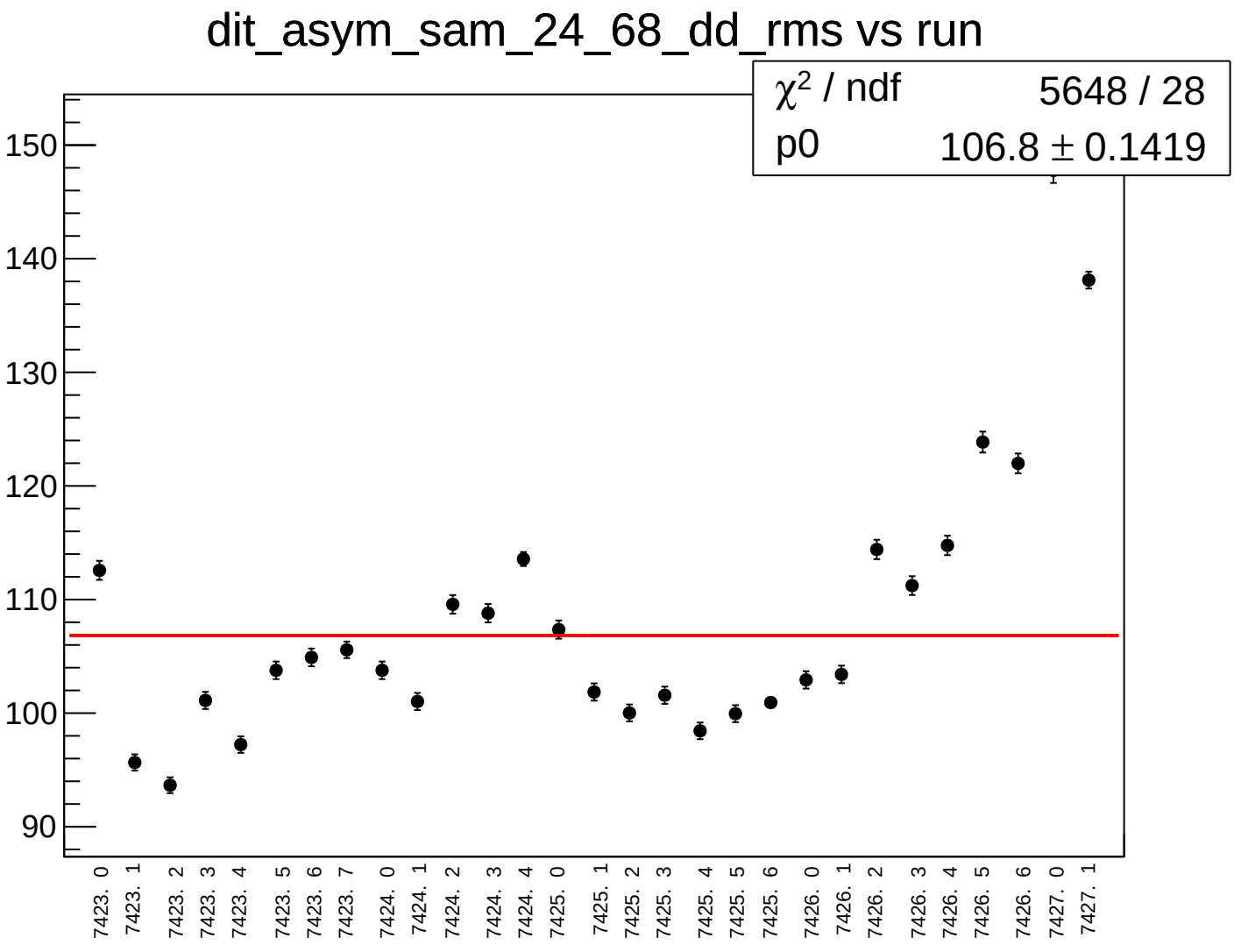

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1133 / 28
p0 271.7 ± 0.3596
300
290
280
270
260
250
240
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

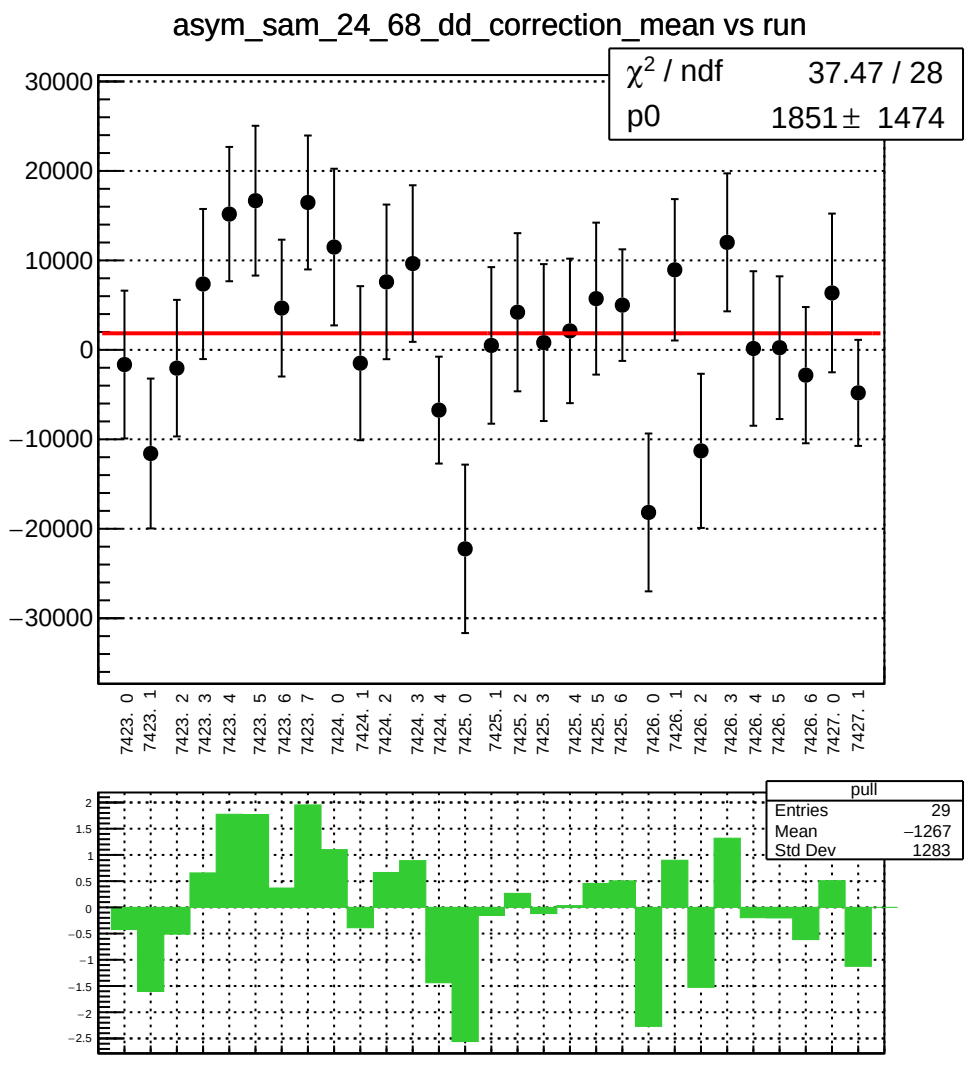

asym_sam_15_37_dd_mean vs run
χ² / ndf 32.71 / 28
p0 543.9 ± 500.4
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 79.5
Std Dev 64.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 29
Mean −0.01998
Std Dev 1.062
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

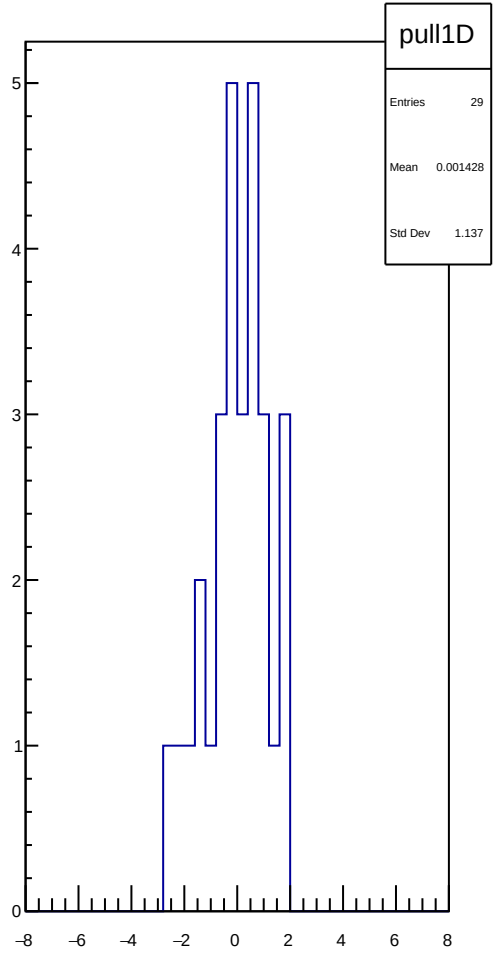

asym_sam_15_37_dd_rms vs run
χ² / ndf 1619 / 28
p0 267.3 ± 0.3539
300
290
280
270
260
250
240
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

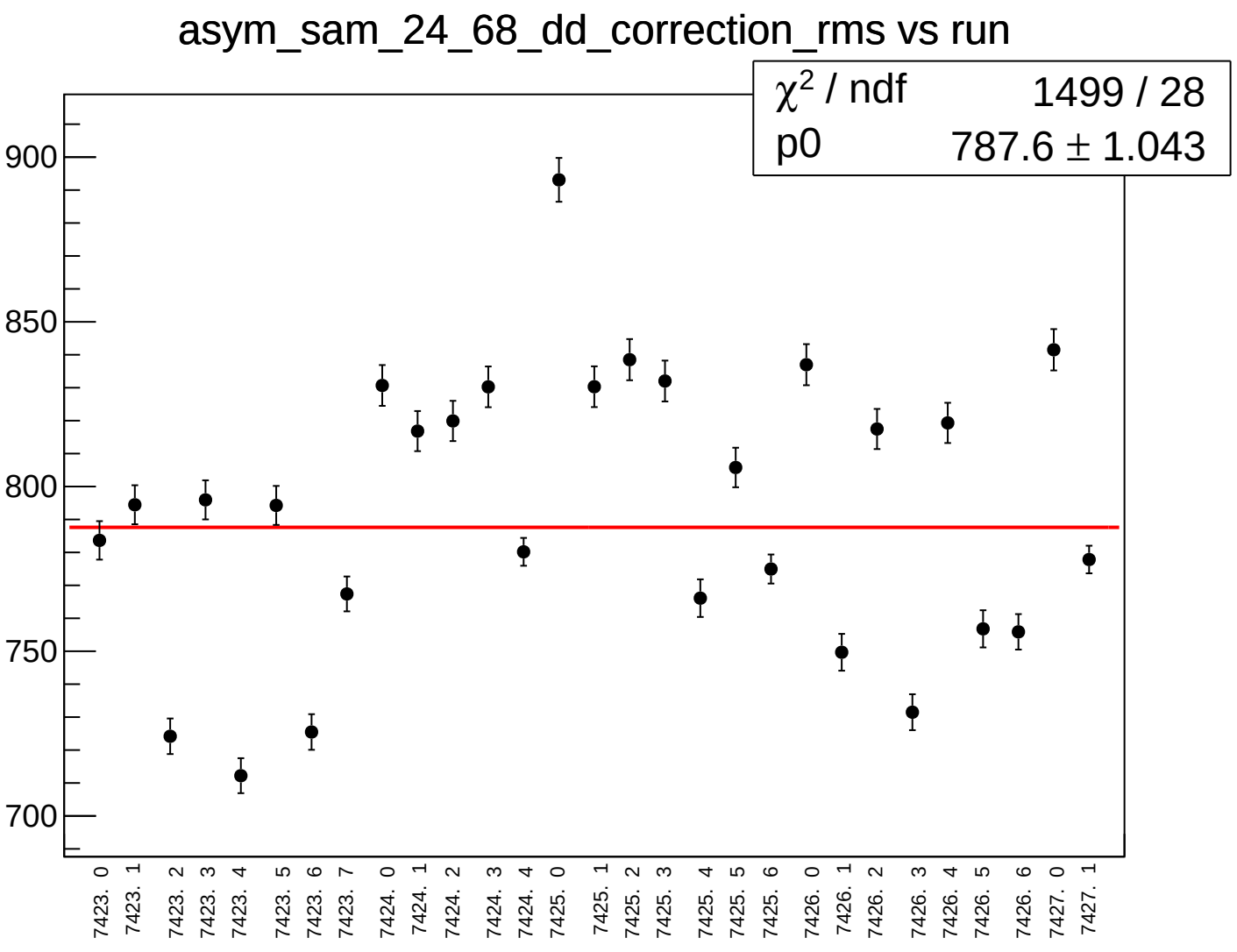

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 23.18 / 28
p0 −75.65 ± 200.7
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 231
Std Dev 212.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

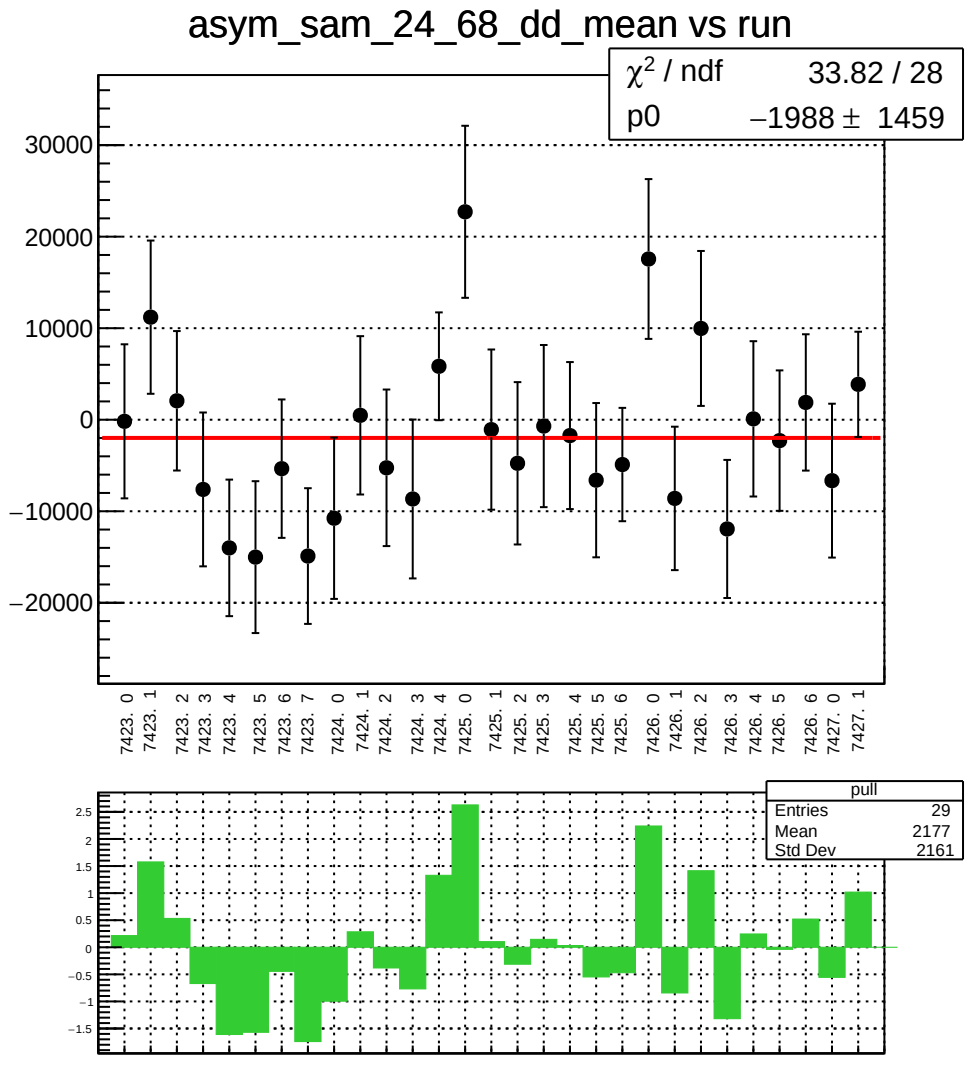

pull1D
Entries 29
Mean −0.009811
Std Dev 0.894
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

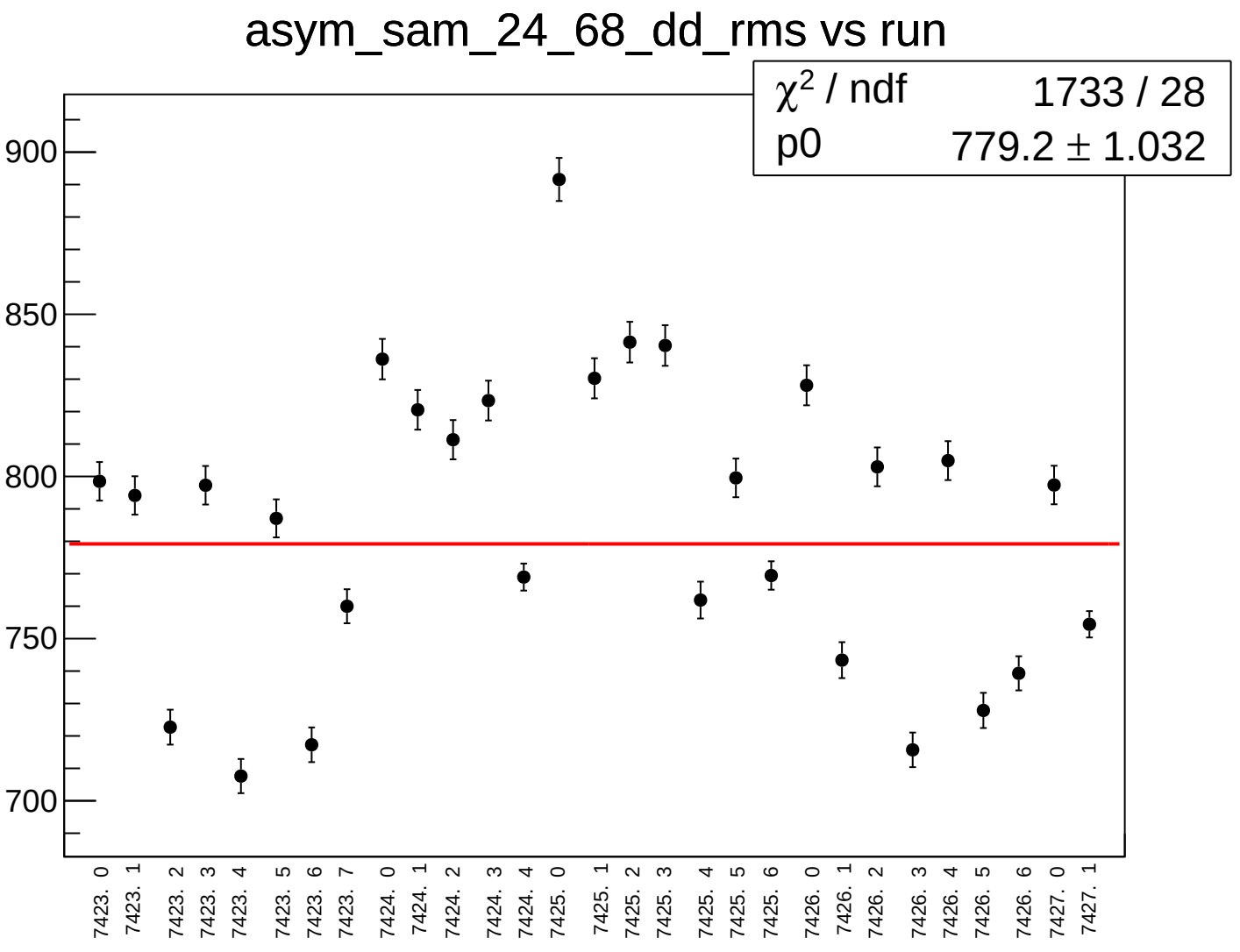

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5648 / 28
p0 106.8 ± 0.1419
150
140
130
120
110
100
90
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

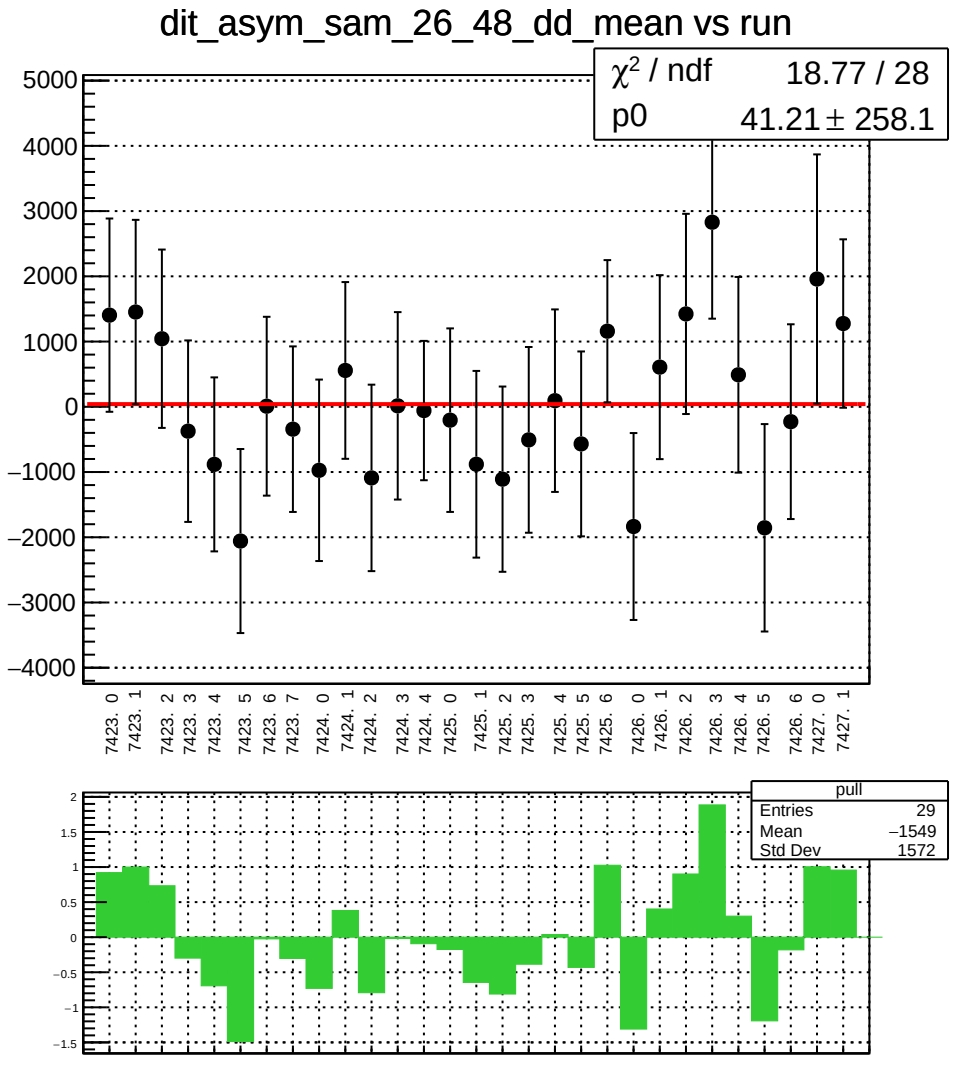

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 37.47 / 28
p0 1851 ± 1474
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −1267
Std Dev 1283
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

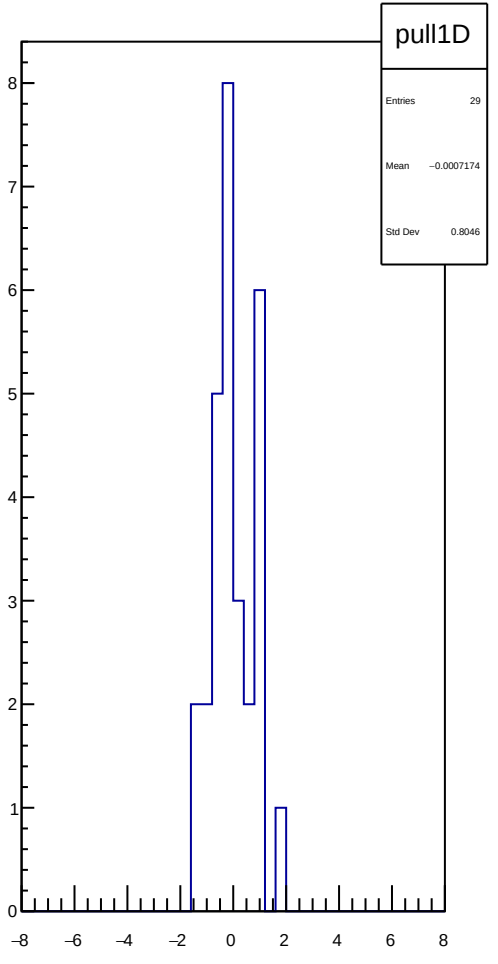

pull1D
Entries 29
Mean 0.001428
Std Dev 1.137
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

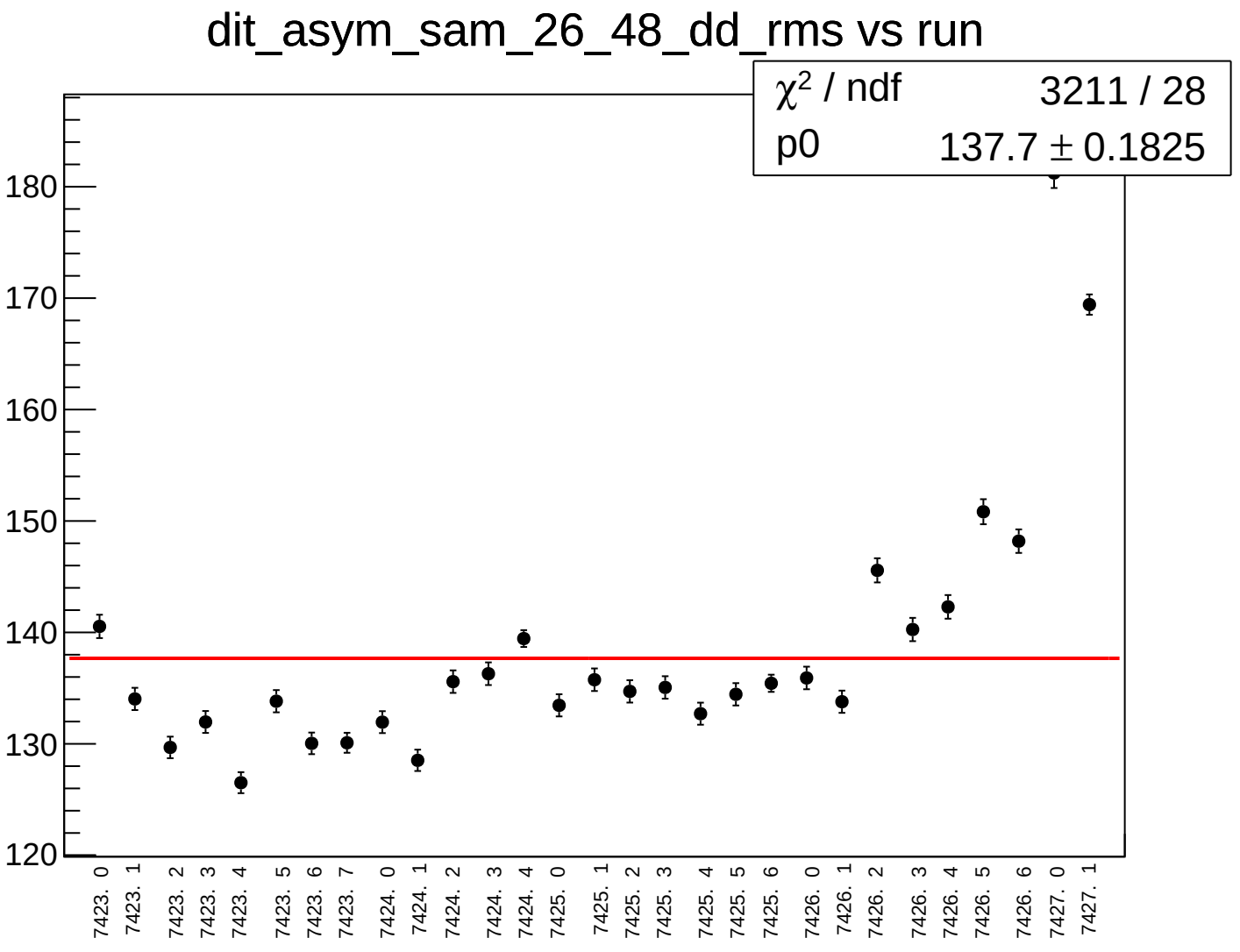

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1499 / 28
p0 787.6 ± 1.043
900
850
800
750
700
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

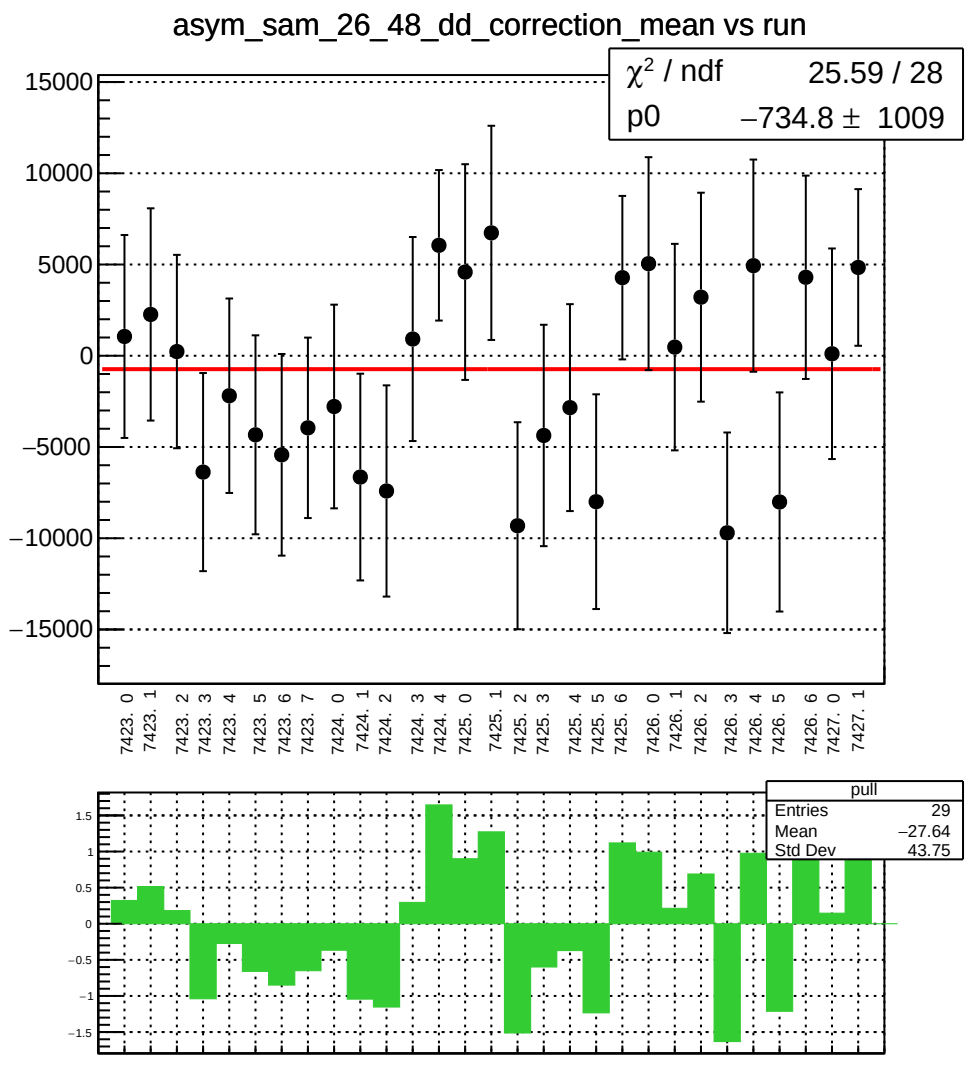

asym_sam_24_68_dd_mean vs run
χ² / ndf 33.82 / 28
p0 −1988 ± 1459
30000
20000
10000
0
−10000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 2177
Std Dev 2161
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.0007076
Std Dev 1.08
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

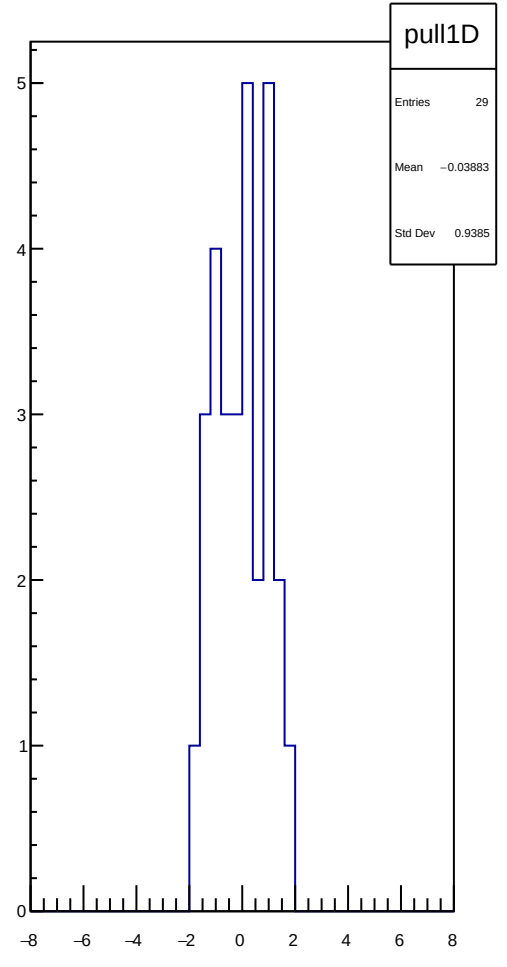

asym_sam_24_68_dd_rms vs run
χ² / ndf 1733 / 28
p0 779.2 ± 1.032
900
850
800
750
700
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

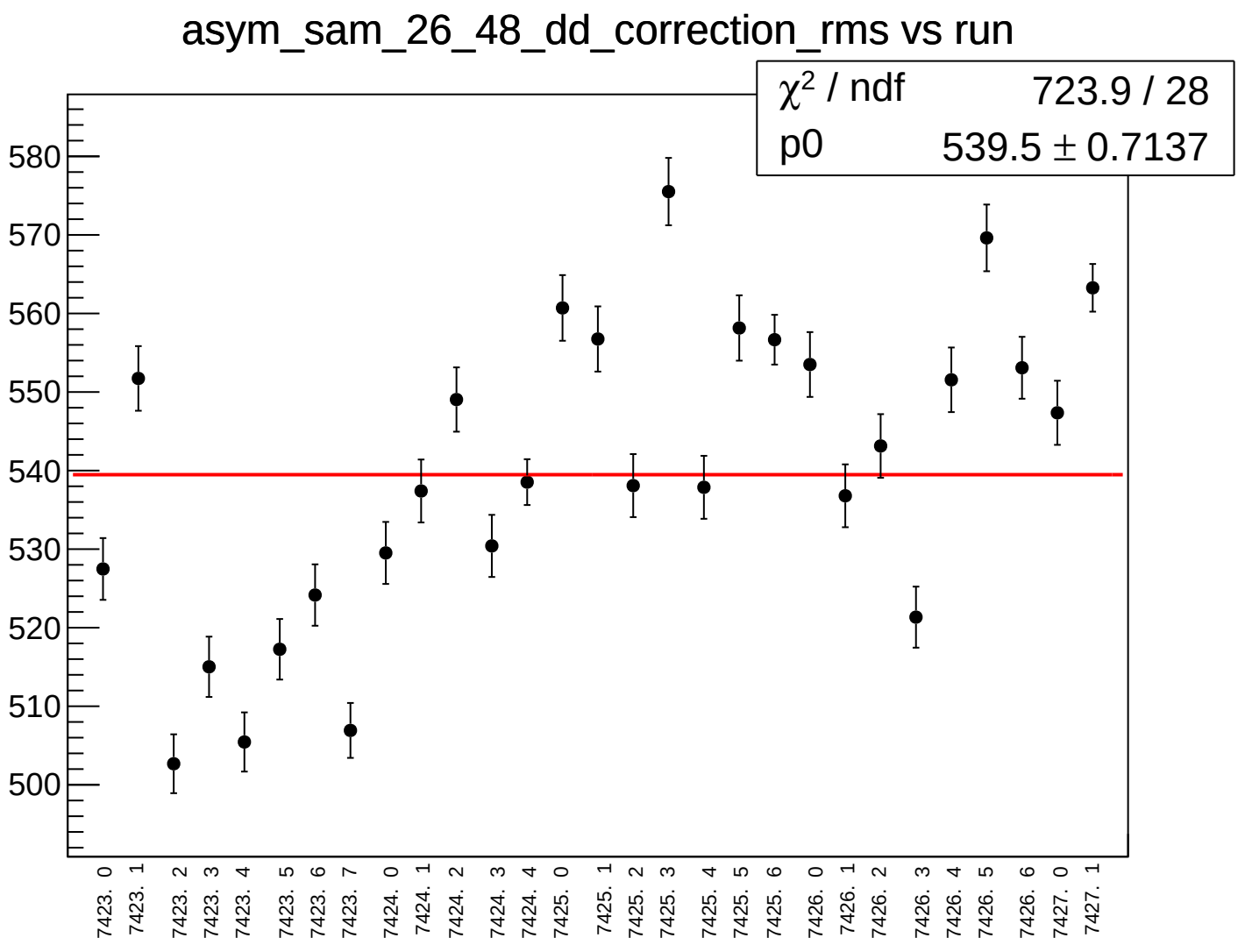

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 18.77 / 28
p0 41.21 ± 258.1
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −1549
Std Dev 1572
2
1.5
1
0.5
0
−0.5
−1
−1.5

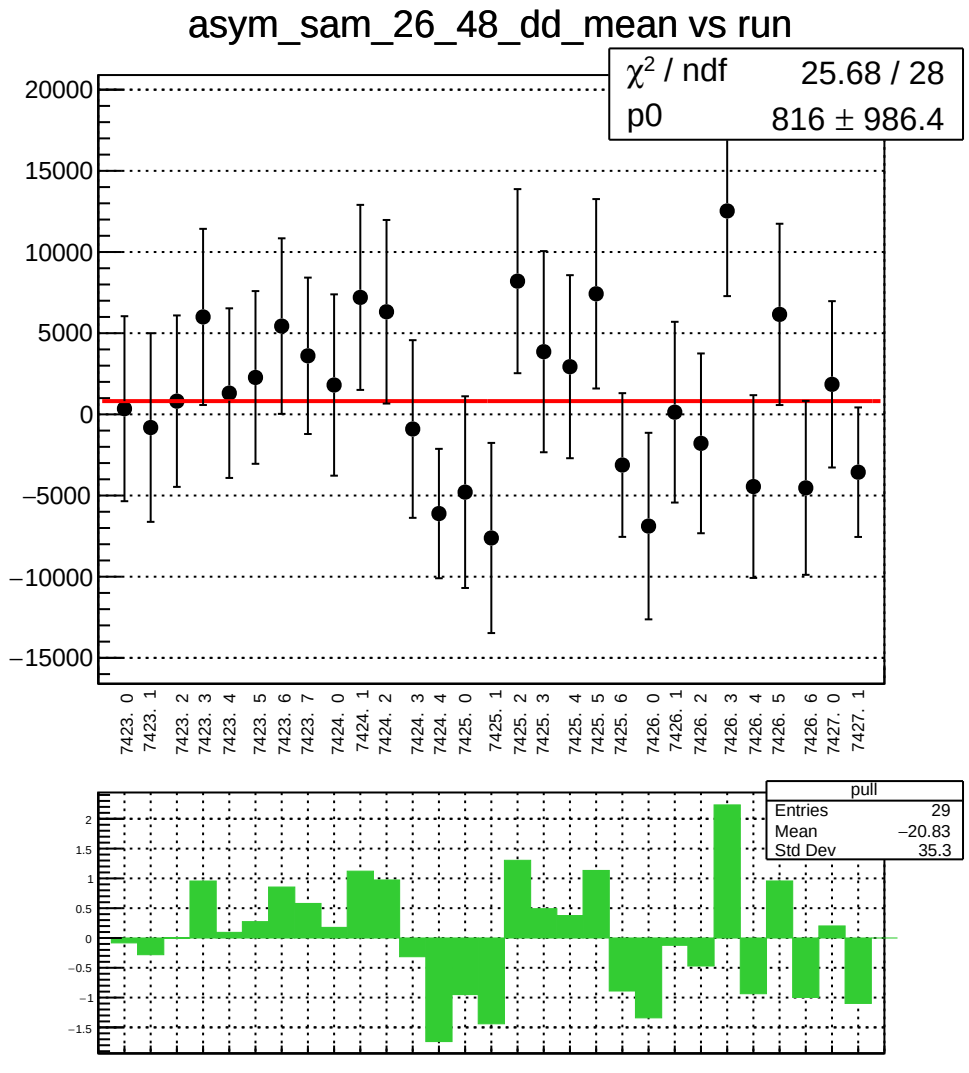

pull1D
Entries 29
Mean −0.0007174
Std Dev 0.8046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

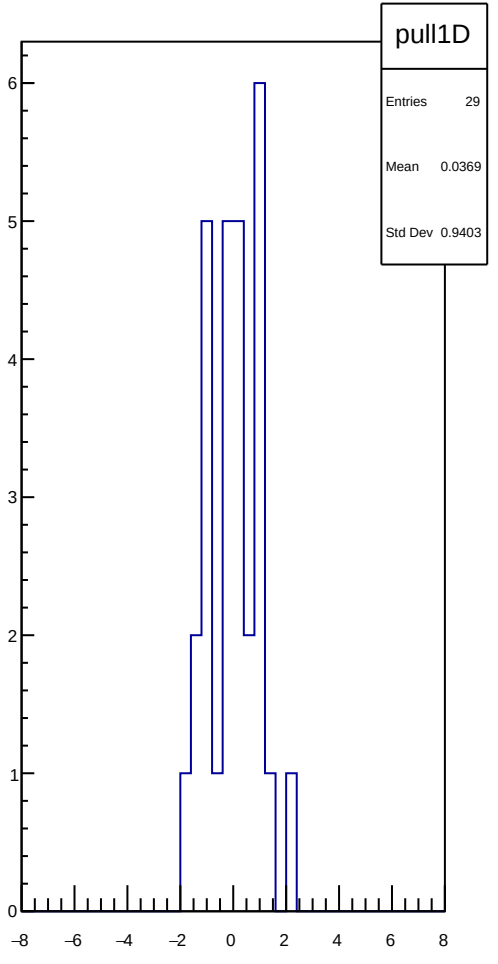

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 3211 / 28
p0 137.7 ± 0.1825
180
170
160
150
140
130
120
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

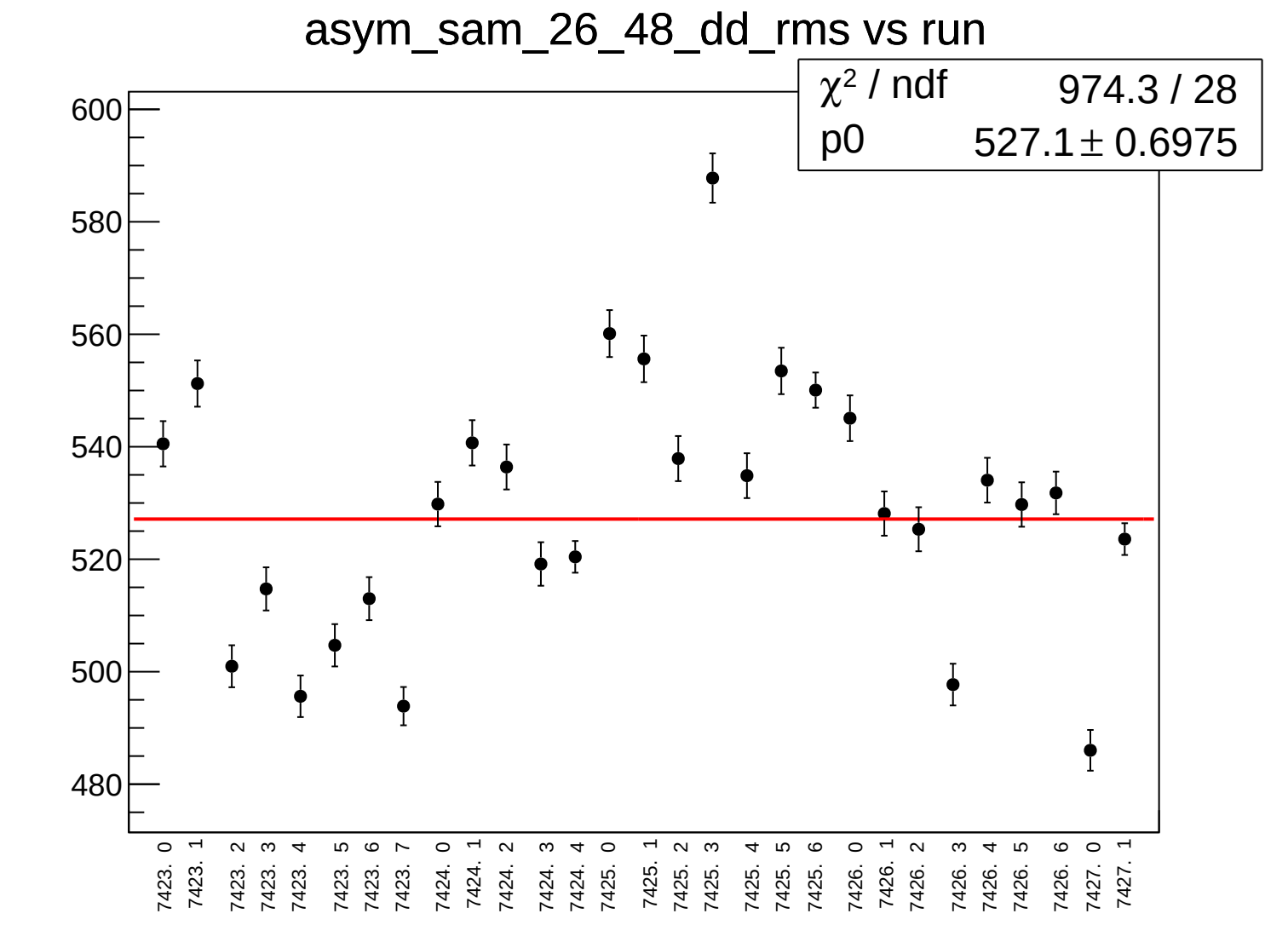

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 25.59 / 28
p0 −734.8 ± 1009
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −27.64
Std Dev 43.75
1.5
1
0.5
0
−0.5
−1
−1.5

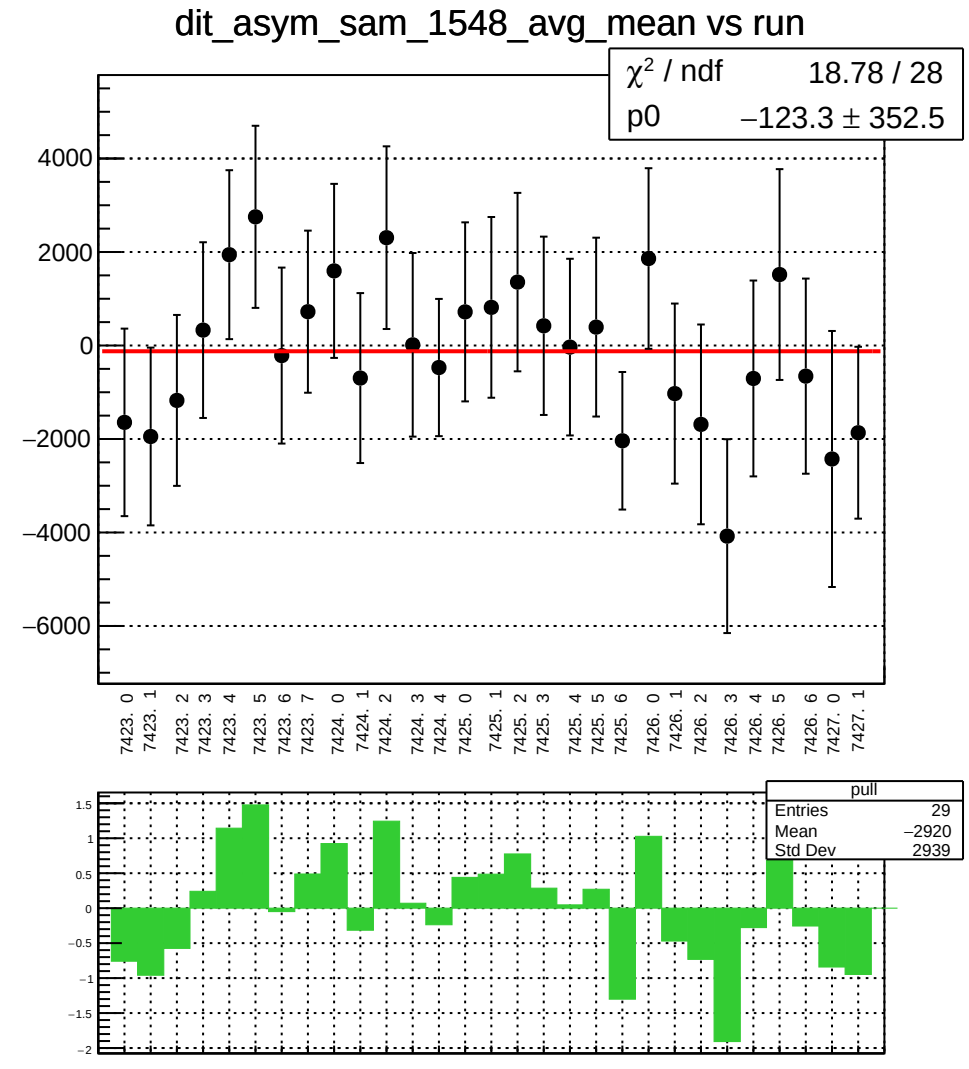

pull1D
Entries 29
Mean −0.03883
Std Dev 0.9385
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

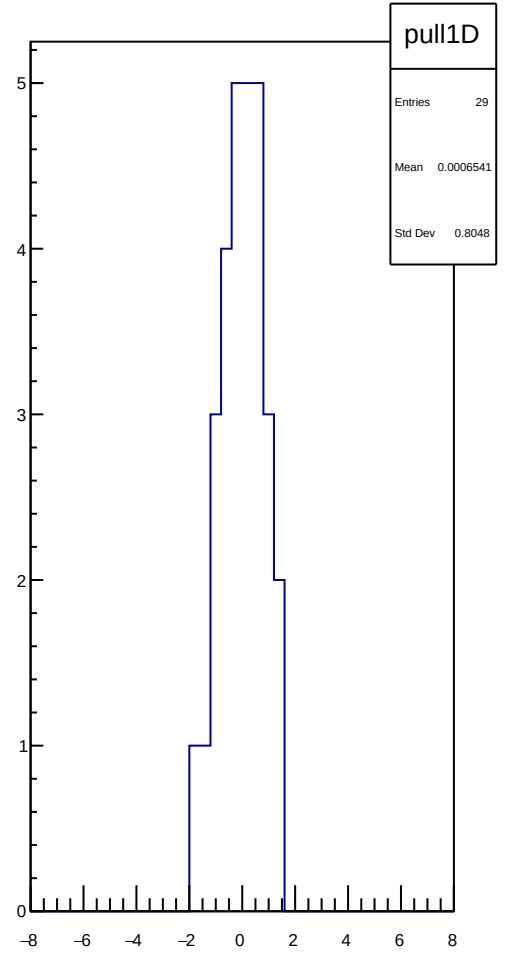

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 723.9 / 28
p0 539.5 ± 0.7137
580
570
560
550
540
530
520
510
500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

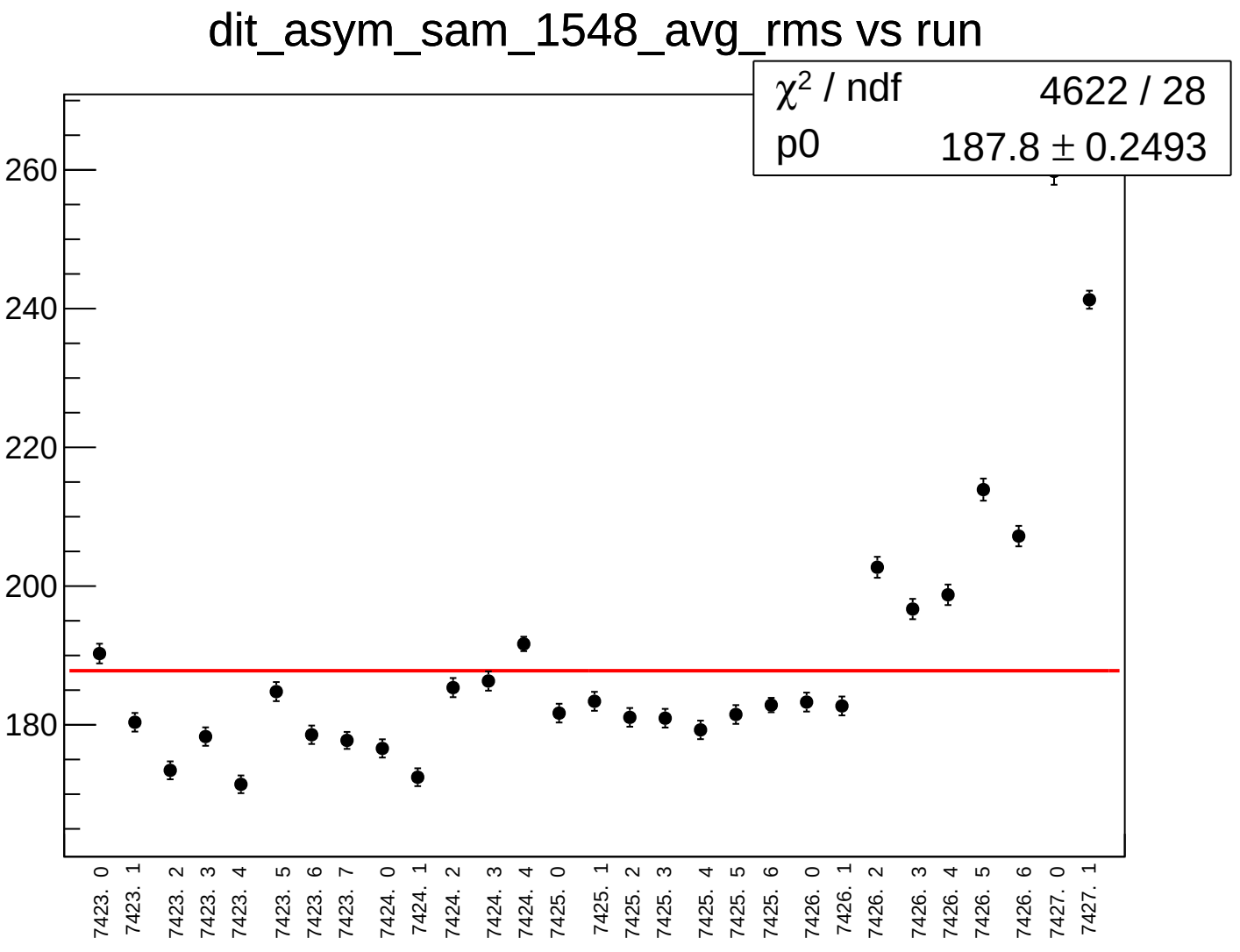

asym_sam_26_48_dd_mean vs run
χ² / ndf 25.68 / 28
p0 816 ± 986.4
20000
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −20.83
Std Dev 35.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

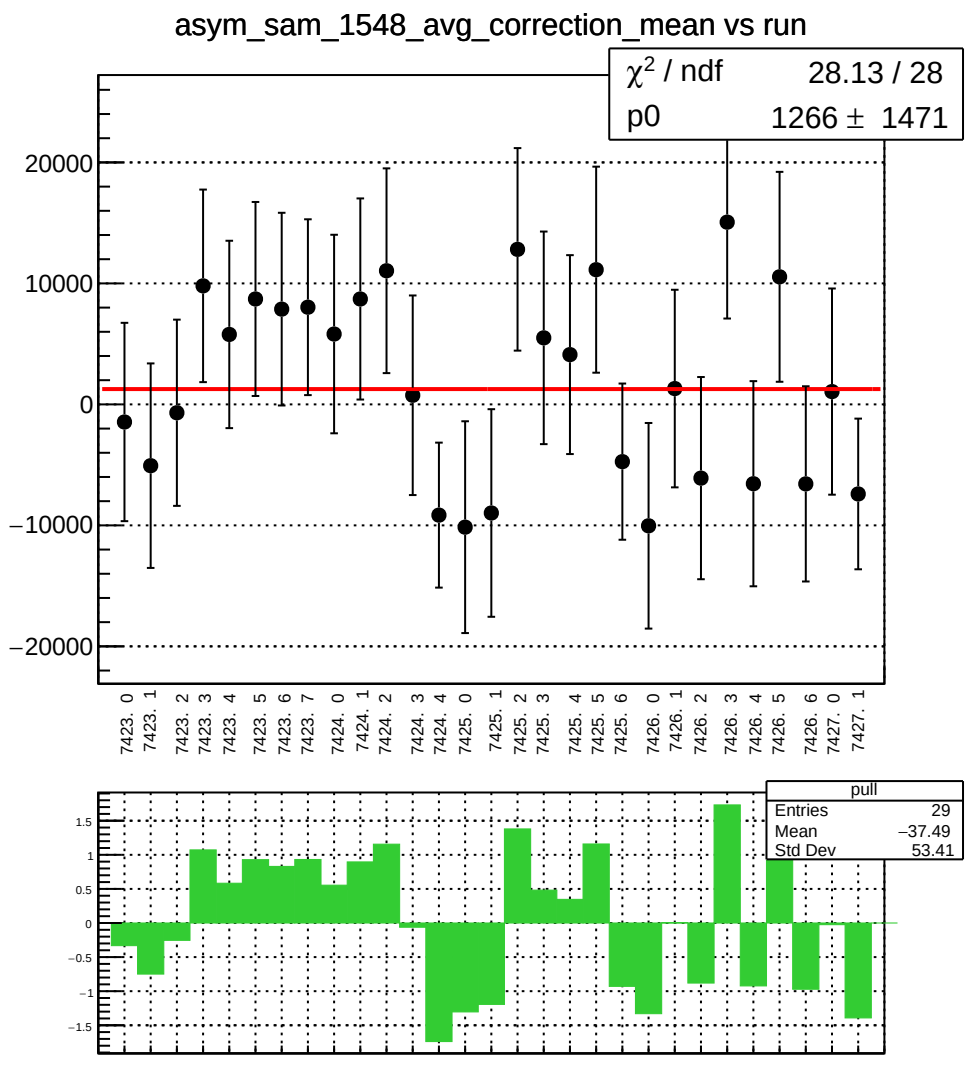

pull1D
Entries 29
Mean 0.0369
Std Dev 0.9403
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

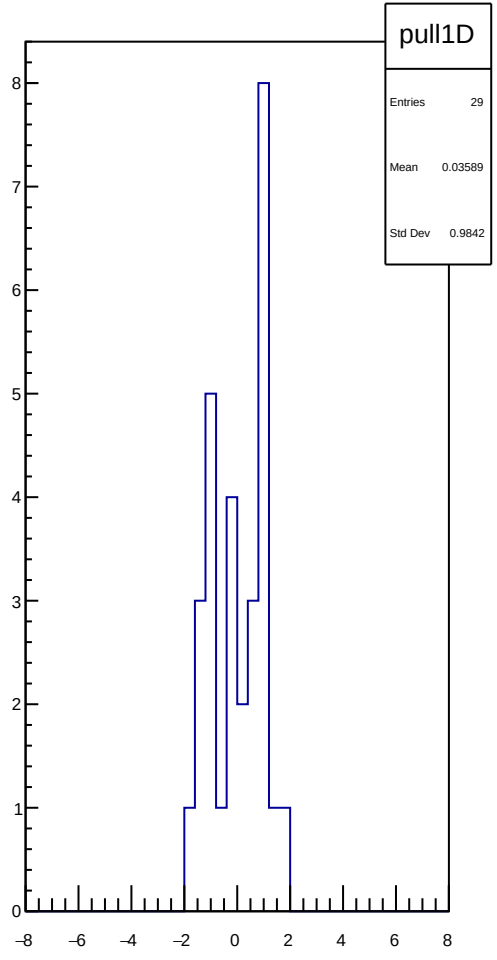

asym_sam_26_48_dd_rms vs run
χ² / ndf 974.3 / 28
p0 527.1 ± 0.6975
600
580
560
540
520
500
480
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

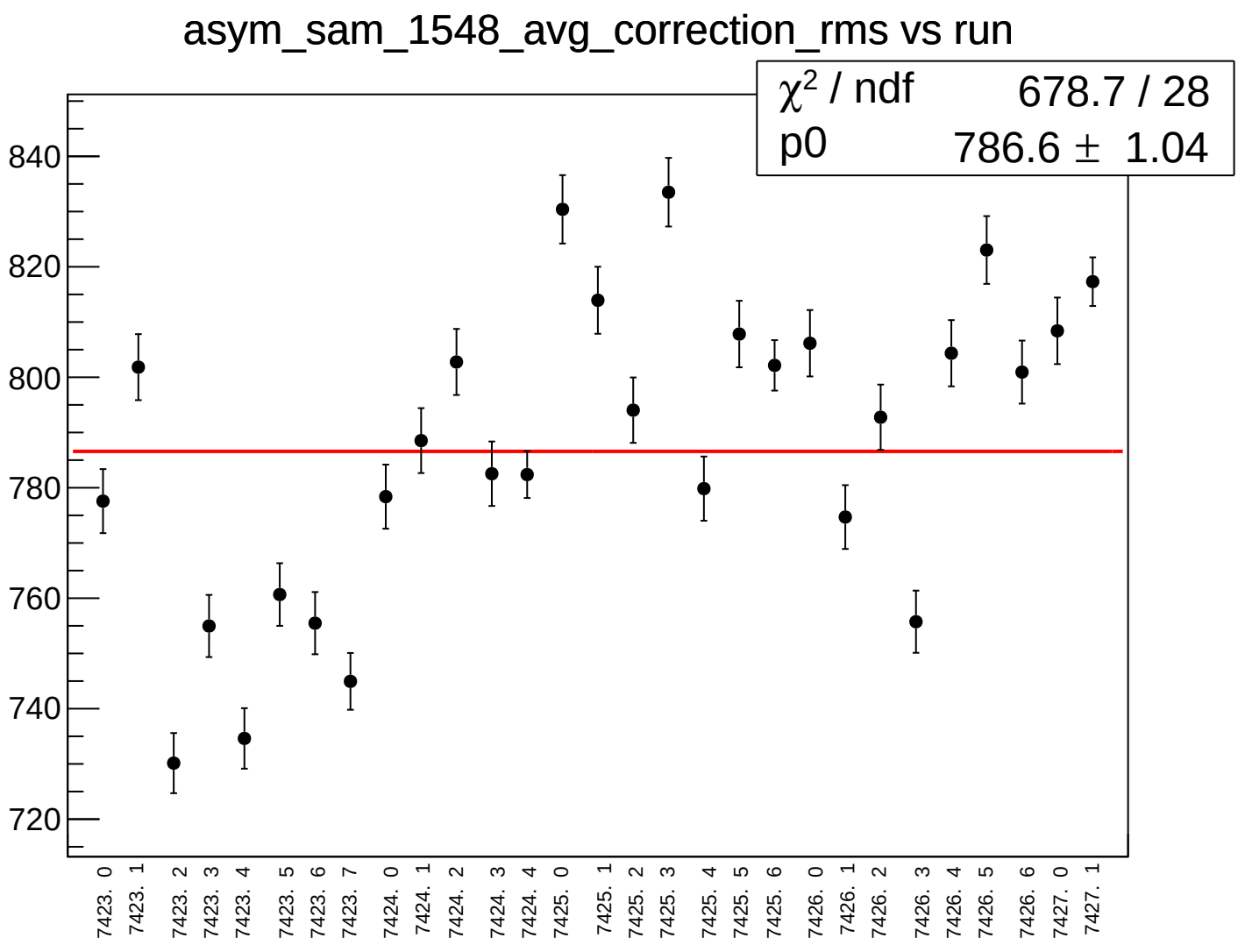

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 18.78 / 28
p0 −123.3 ± 352.5
4000
2000
0
−2000
−4000
−6000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −2920
Std Dev 2939
1.5
1
0.5
0
−0.5
−1
−1.5
−2

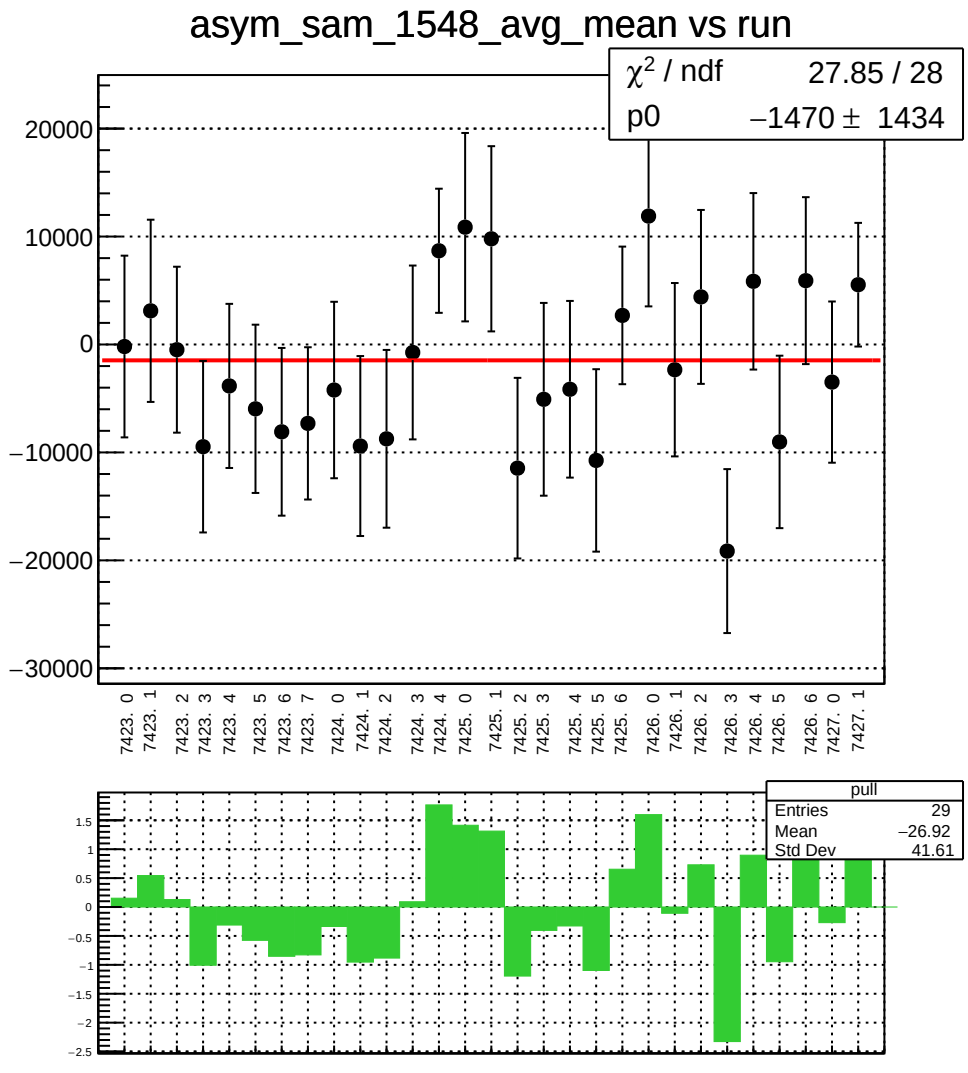

pull1D
Entries 29
Mean 0.0006541
Std Dev 0.8048
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

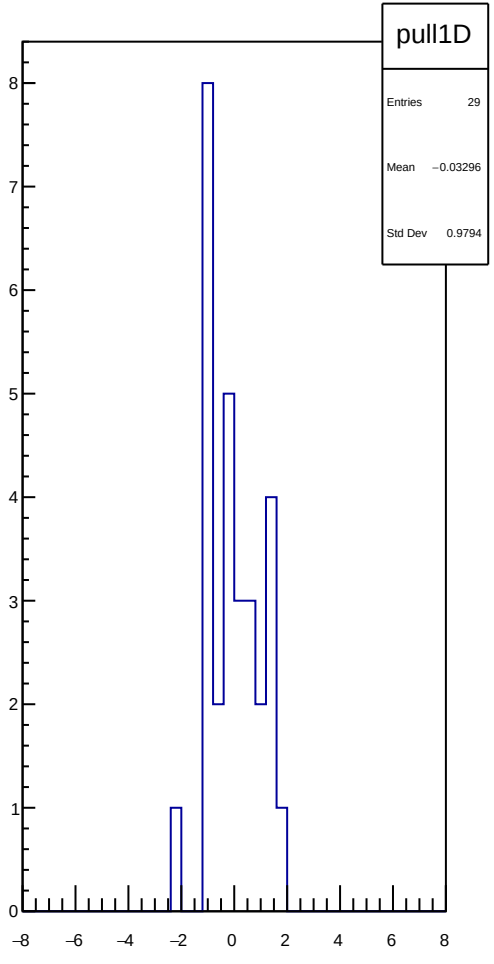

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 4622 / 28
p0 187.8 ± 0.2493
260
240
220
200
180
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

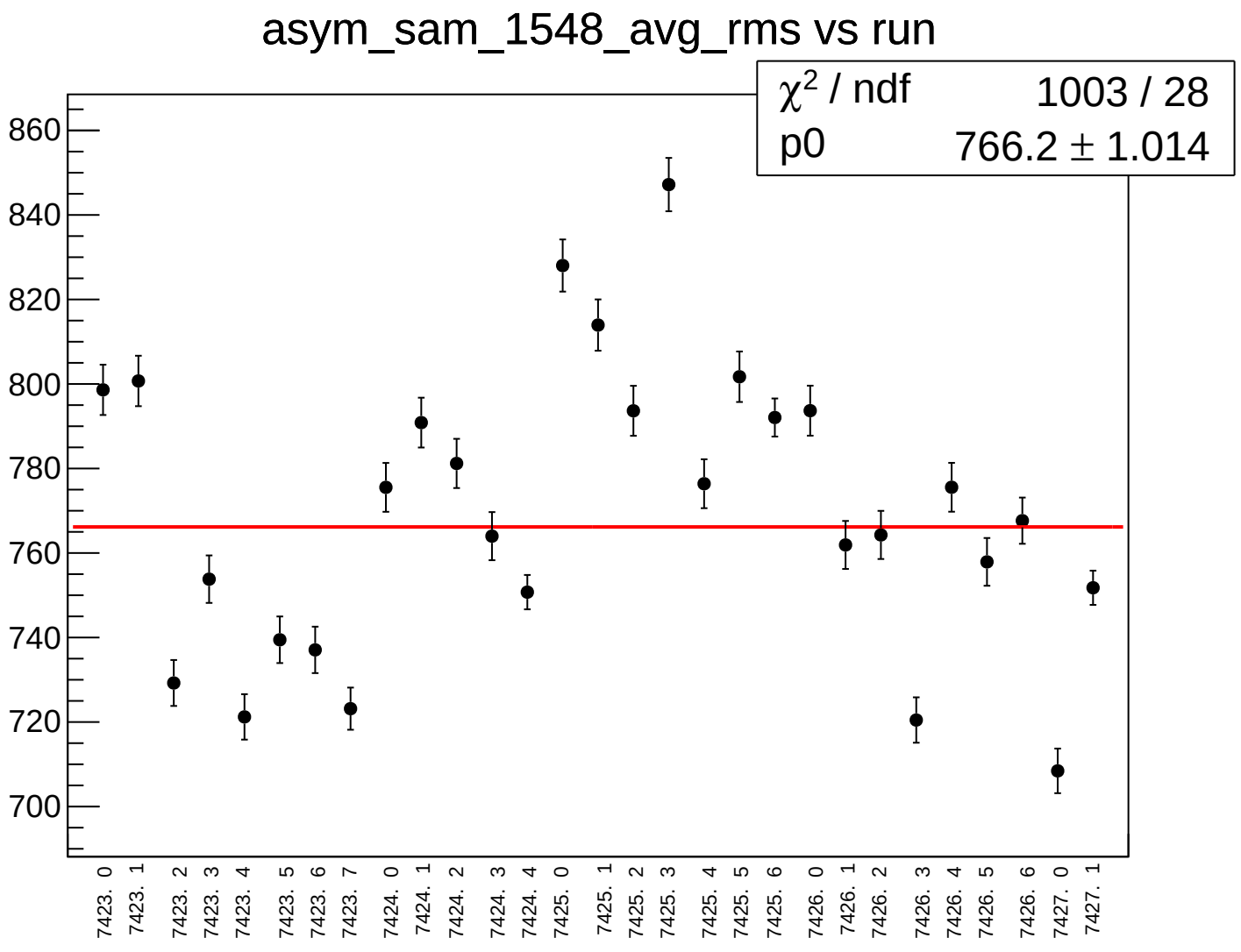

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 28.13 / 28
p0 1266 ± 1471
20000
10000
0
−10000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −37.49
Std Dev 53.41
1.5
1
0.5
0
−0.5
−1
−1.5

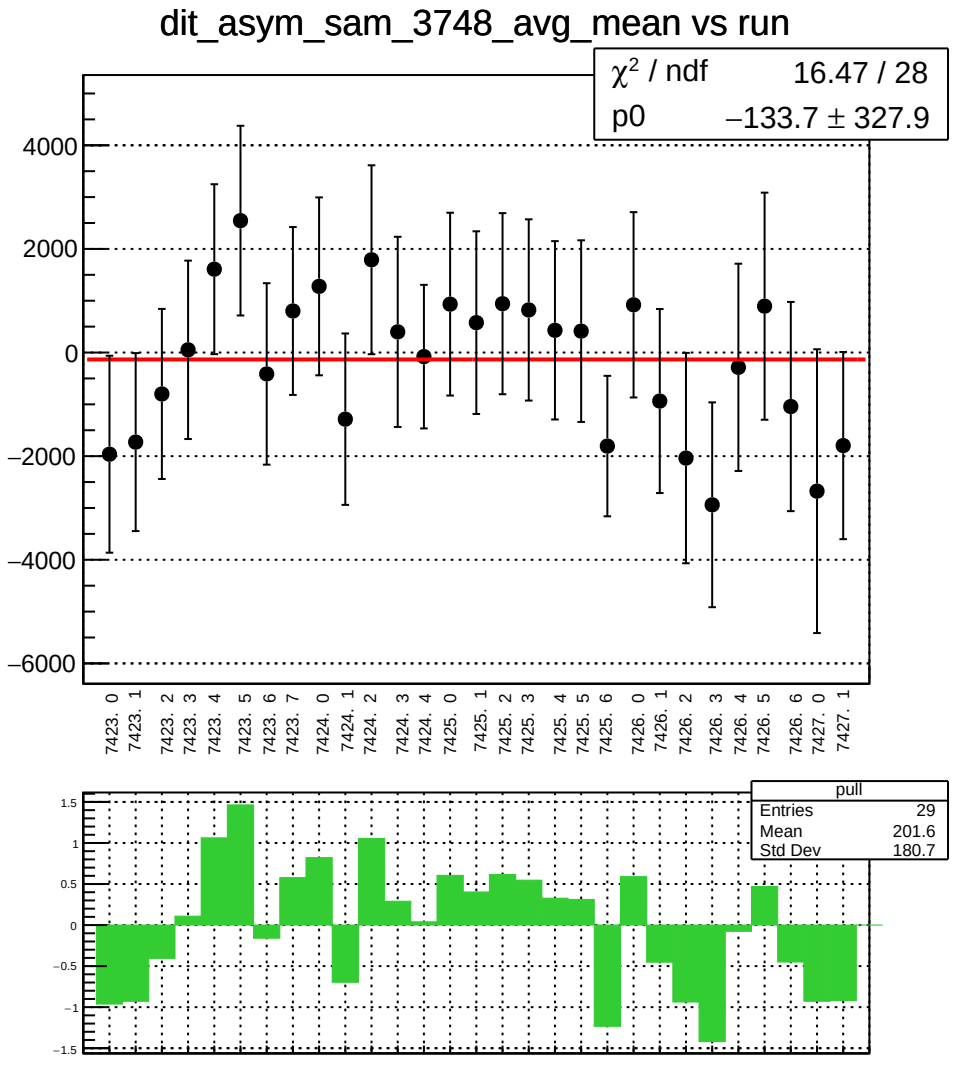

pull1D
Entries 29
Mean 0.03589
Std Dev 0.9842
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

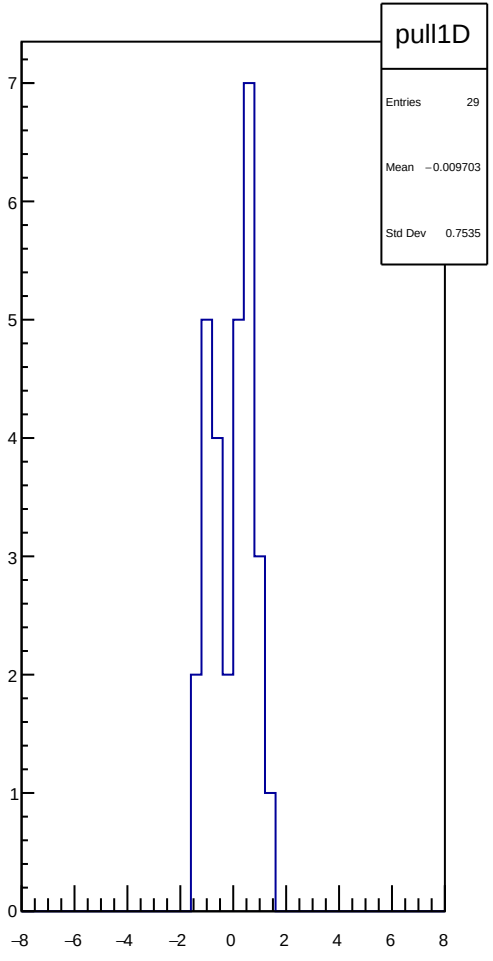

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 678.7 / 28
p0 786.6 ± 1.04
840
820
800
780
760
740
720
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

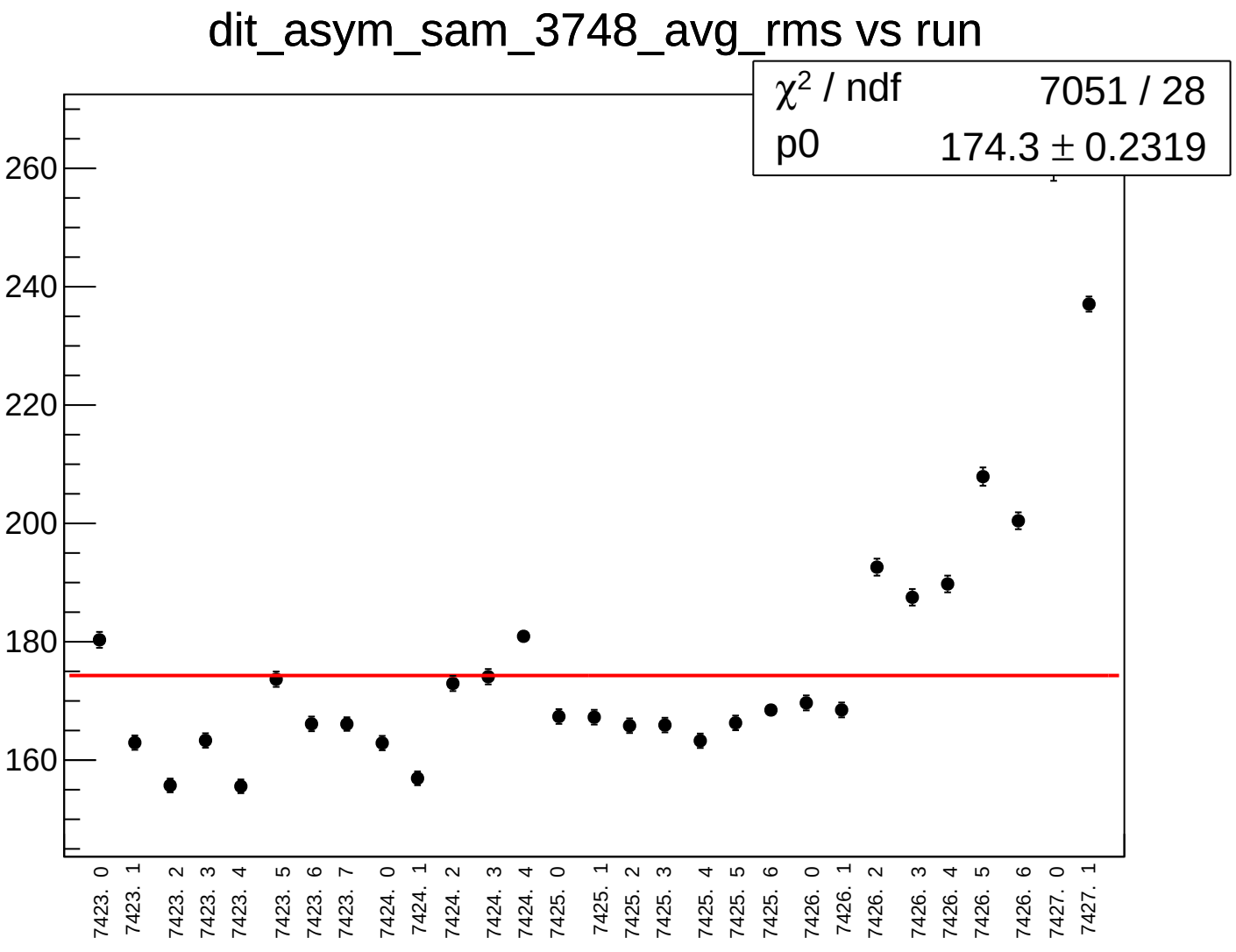

asym_sam_1548_avg_mean vs run
χ² / ndf 27.85 / 28
p0 −1470 ± 1434
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −26.92
Std Dev 41.61
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

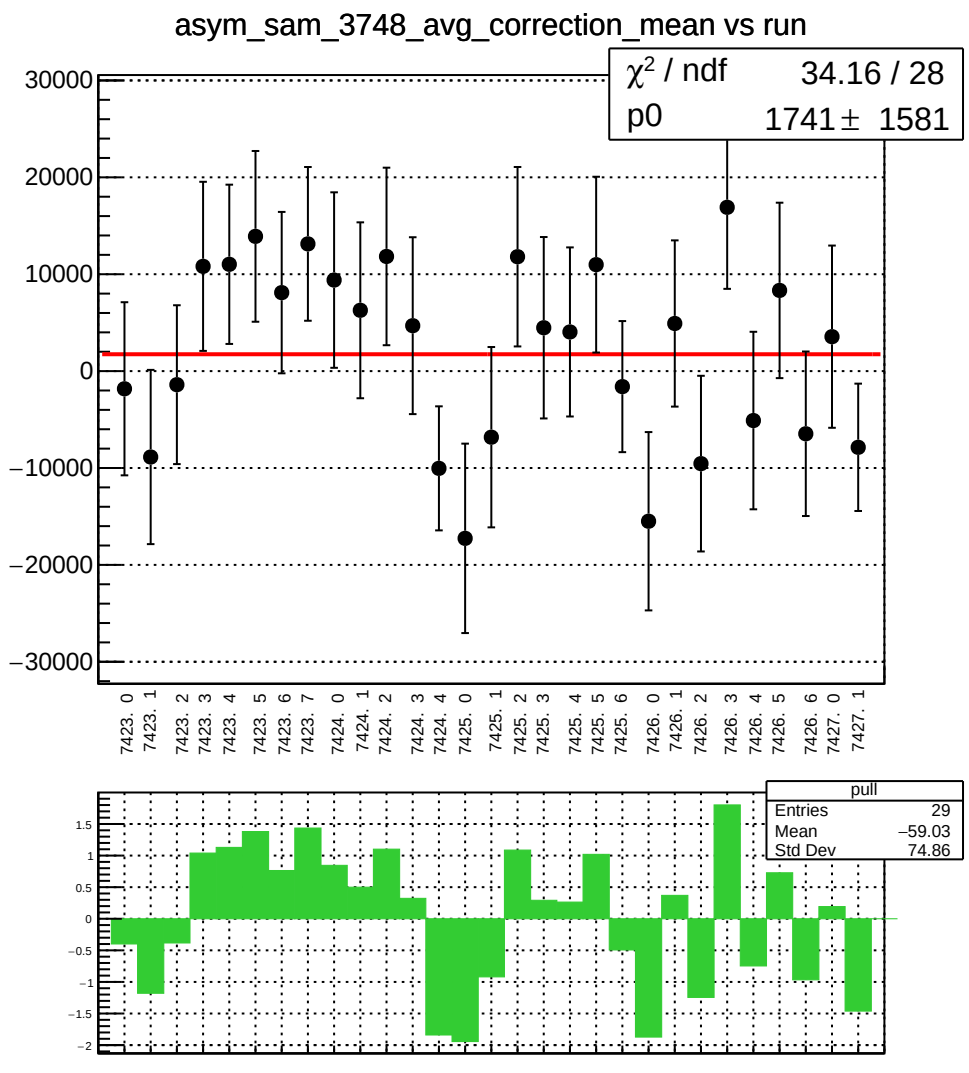

pull1D
Entries 29
Mean −0.03296
Std Dev 0.9794
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

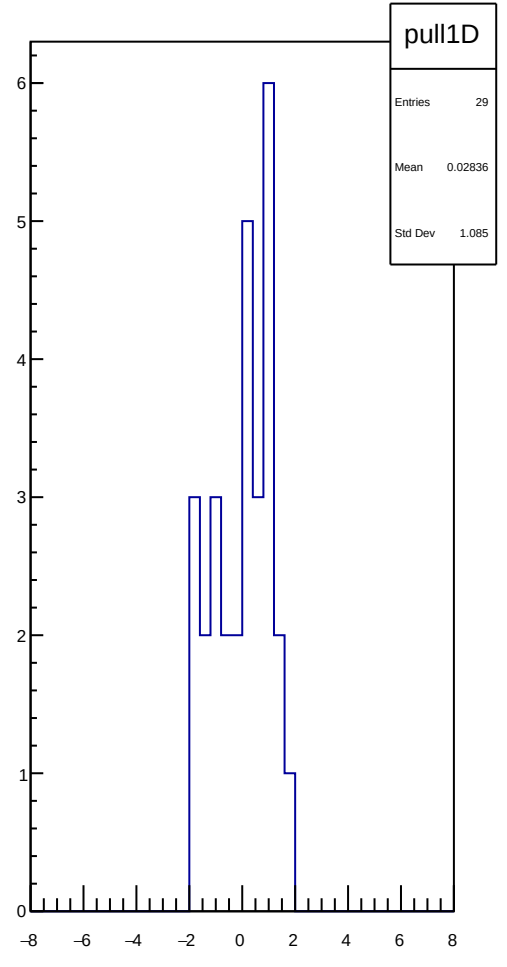

asym_sam_1548_avg_rms vs run
χ² / ndf 1003 / 28
p0 766.2 ± 1.014
860
840
820
800
780
760
740
720
700
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

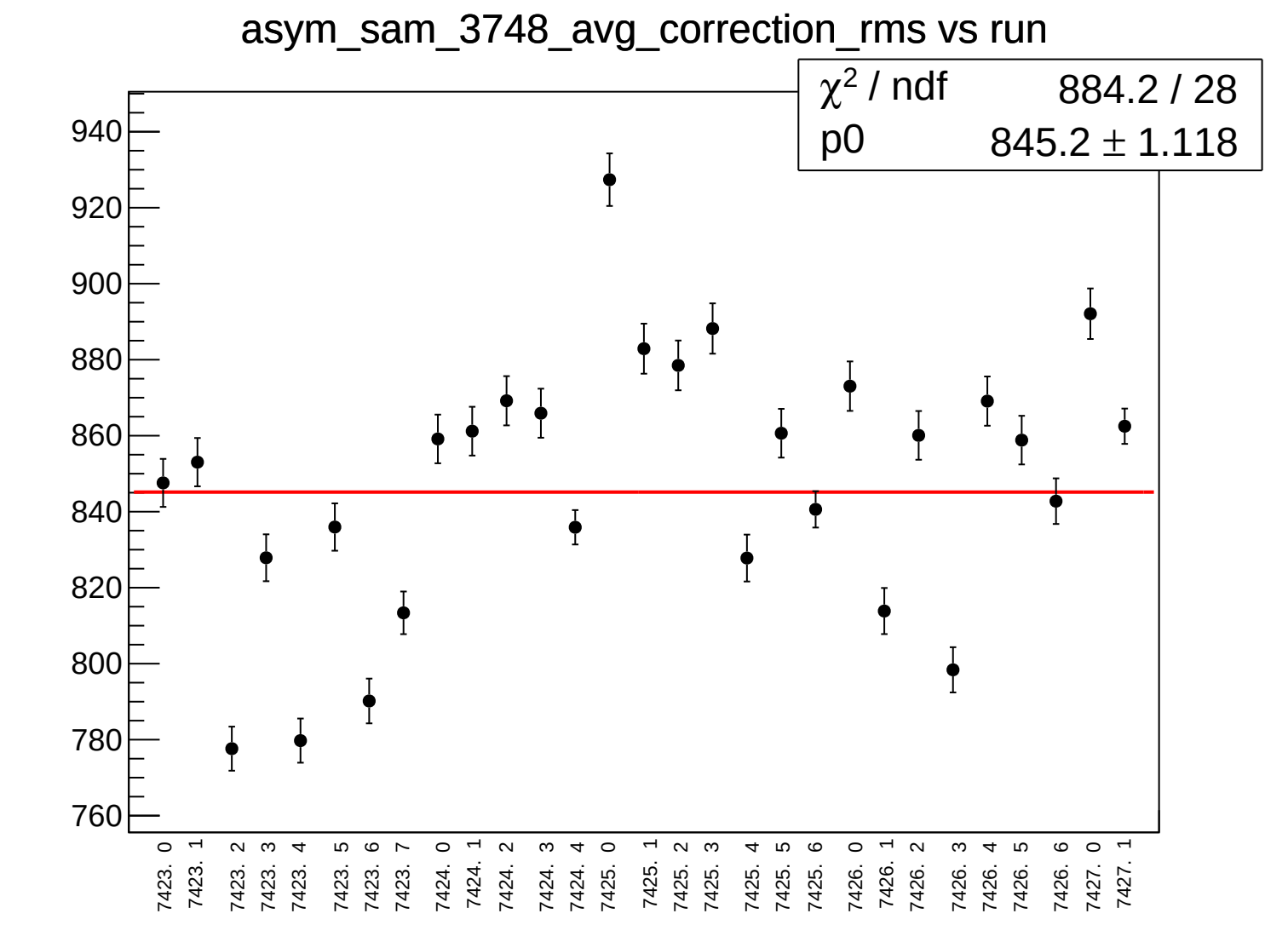

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 16.47 / 28
p0 −133.7 ± 327.9
4000
2000
0
−2000
−4000
−6000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 201.6
Std Dev 180.7
1.5
1
0.5
0
−0.5
−1
−1.5

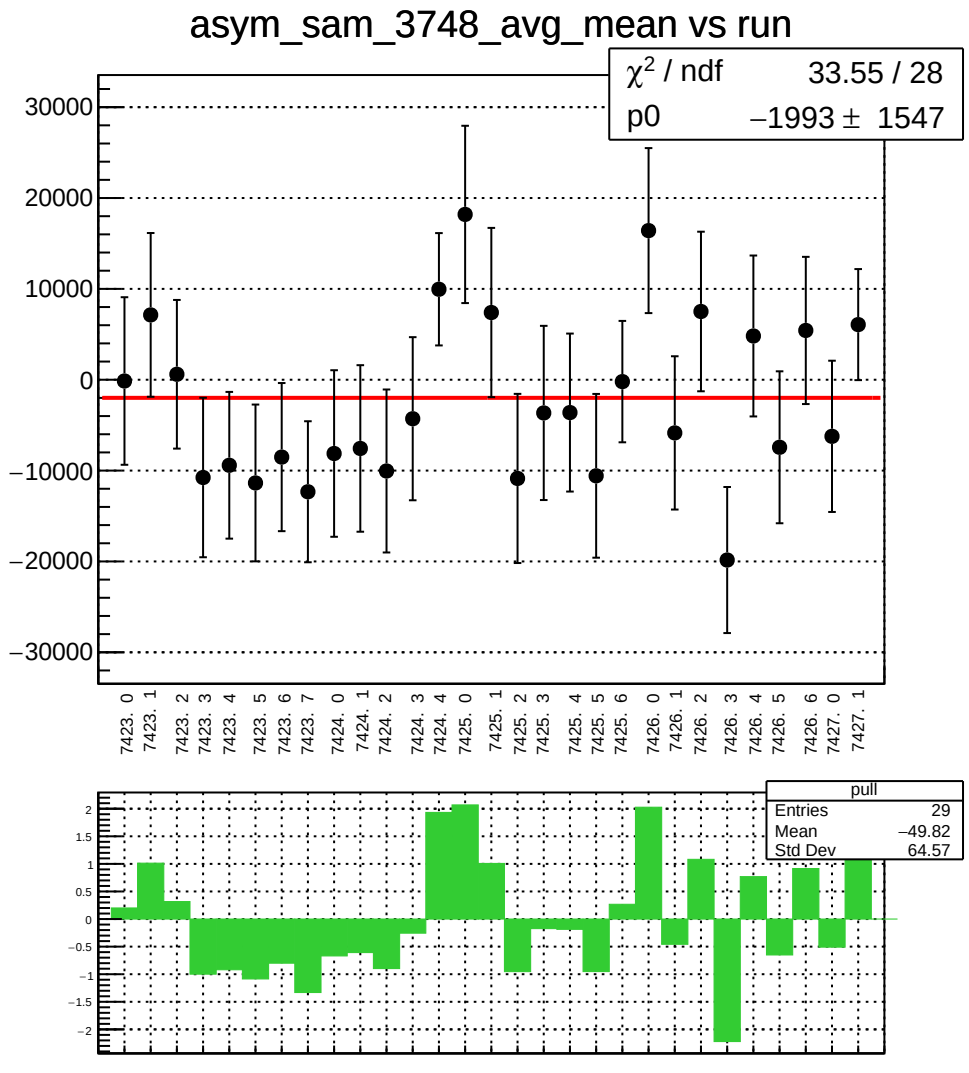

pull1D
Entries 29
Mean −0.009703
Std Dev 0.7535
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

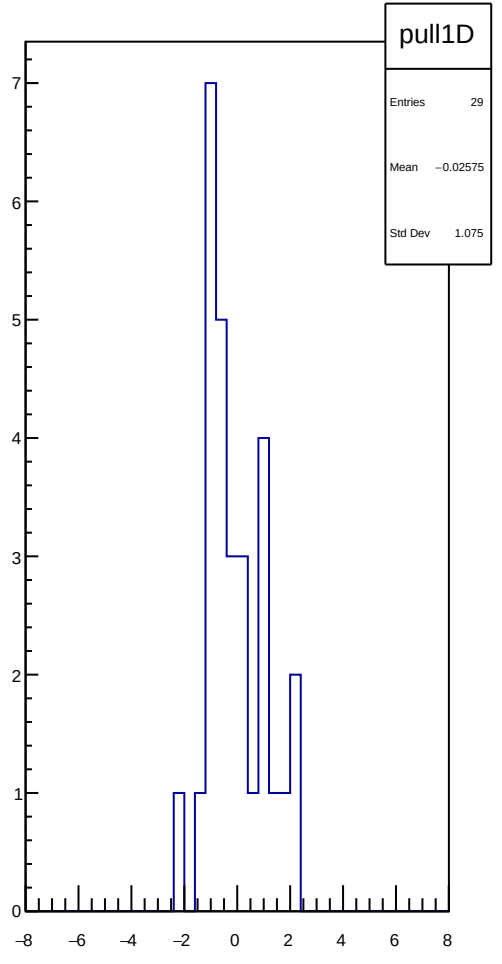

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7051 / 28
p0 174.3 ± 0.2319
260
240
220
200
180
160
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

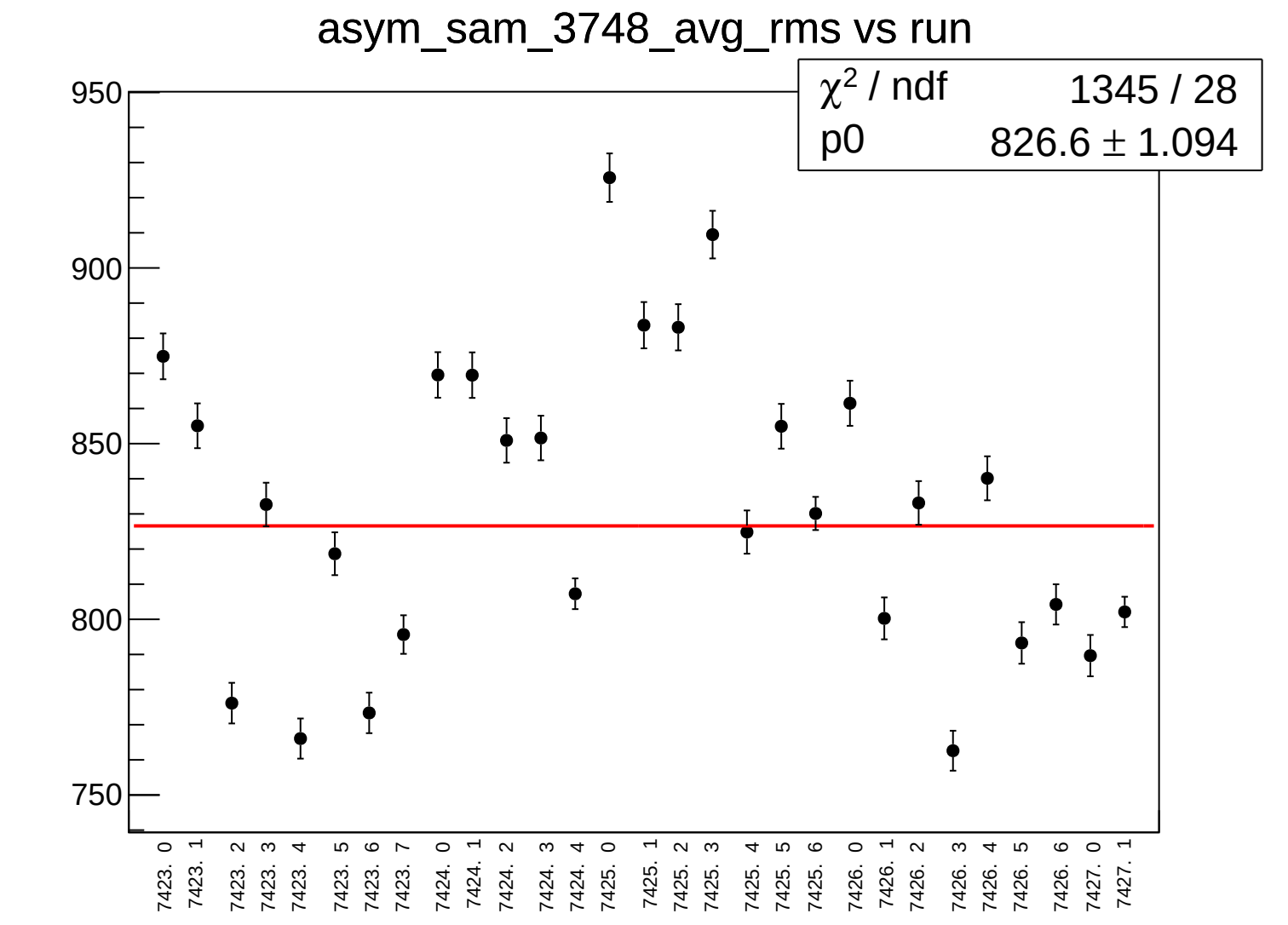

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 34.16 / 28
p0 1741 ± 1581
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −59.03
Std Dev 74.86
1.5
1
0.5
0
−0.5
−1
−1.5
−2

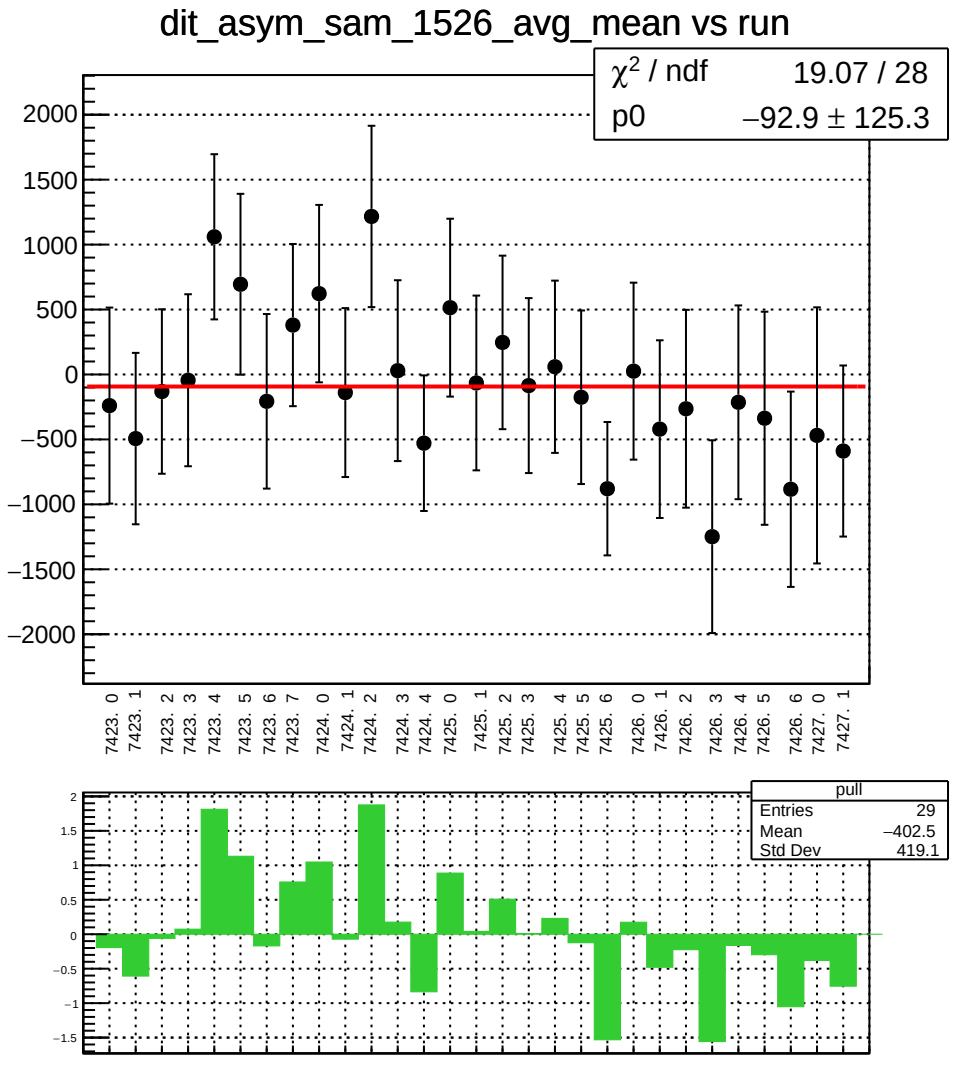

pull1D
Entries 29
Mean 0.02836
Std Dev 1.085
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

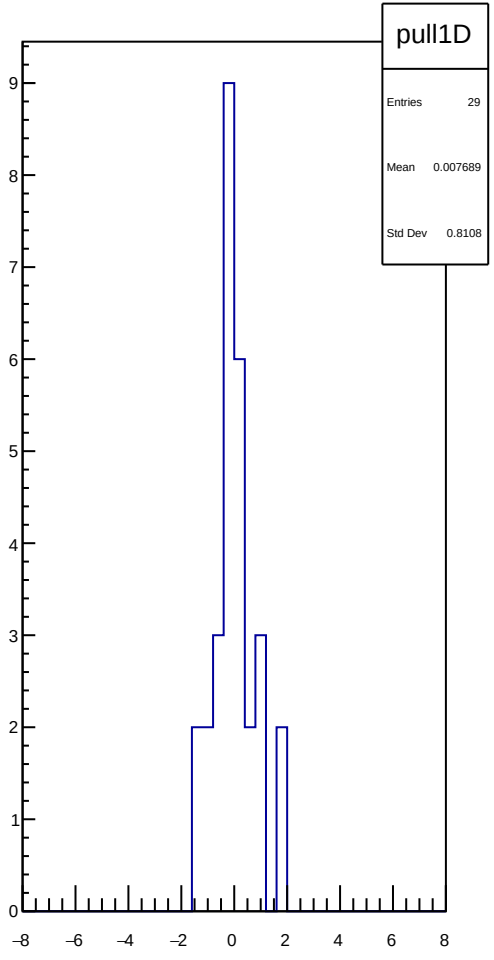

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 884.2 / 28
p0 845.2 ± 1.118
940
920
900
880
860
840
820
800
780
760
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

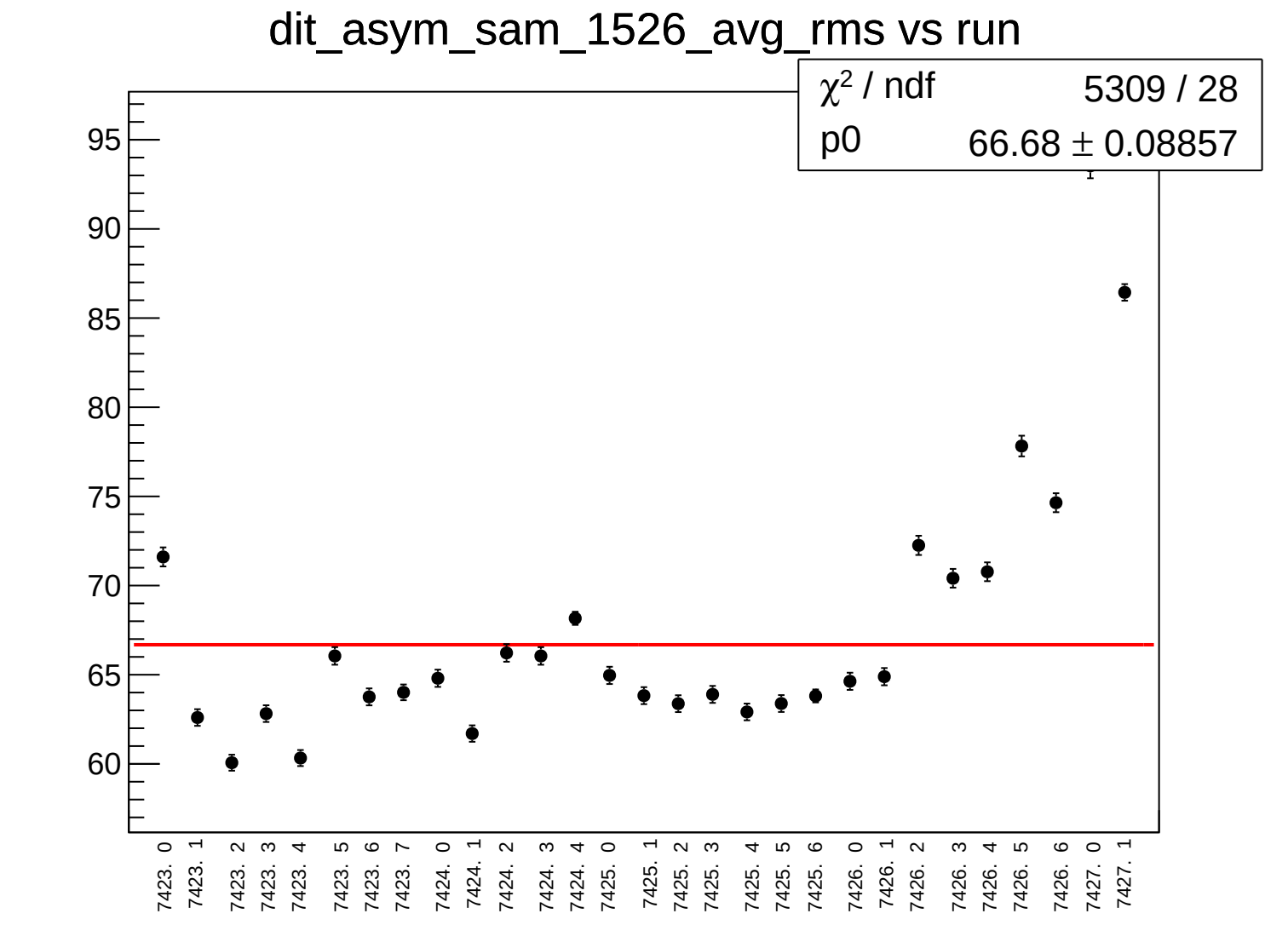

asym_sam_3748_avg_mean vs run
χ² / ndf 33.55 / 28
p0 −1993 ± 1547
30000
20000
10000
0
−10000
−20000
−30000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −49.82
Std Dev 64.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

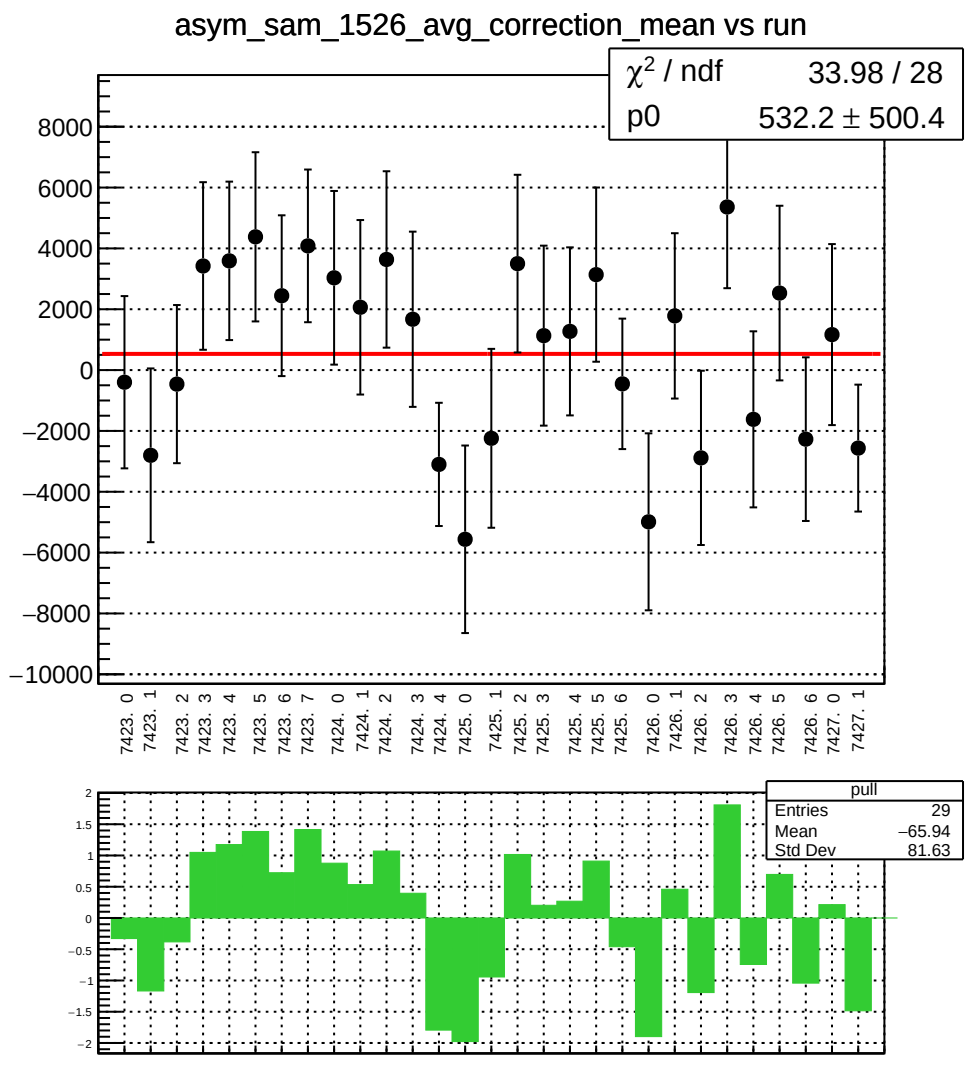

pull1D
Entries 29
Mean −0.02575
Std Dev 1.075
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

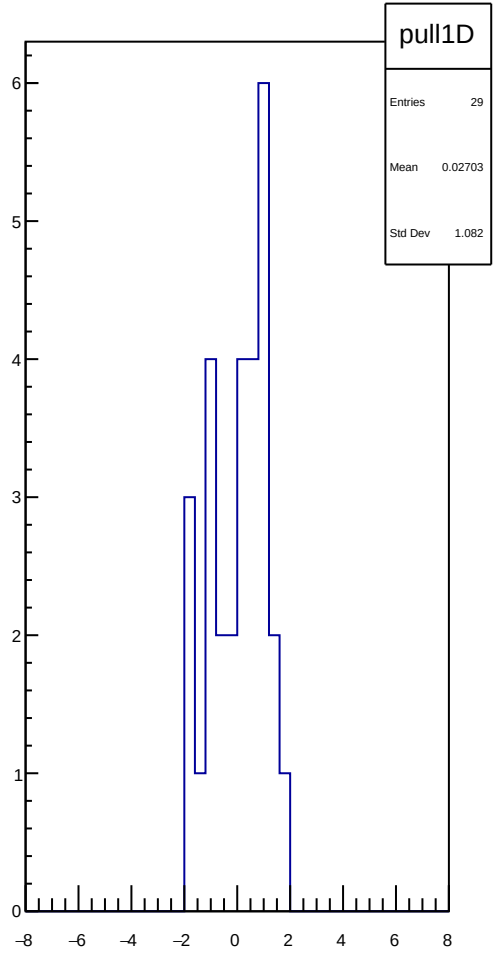

asym_sam_3748_avg_rms vs run
χ² / ndf 1345 / 28
p0 826.6 ± 1.094
950
900
850
800
750
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

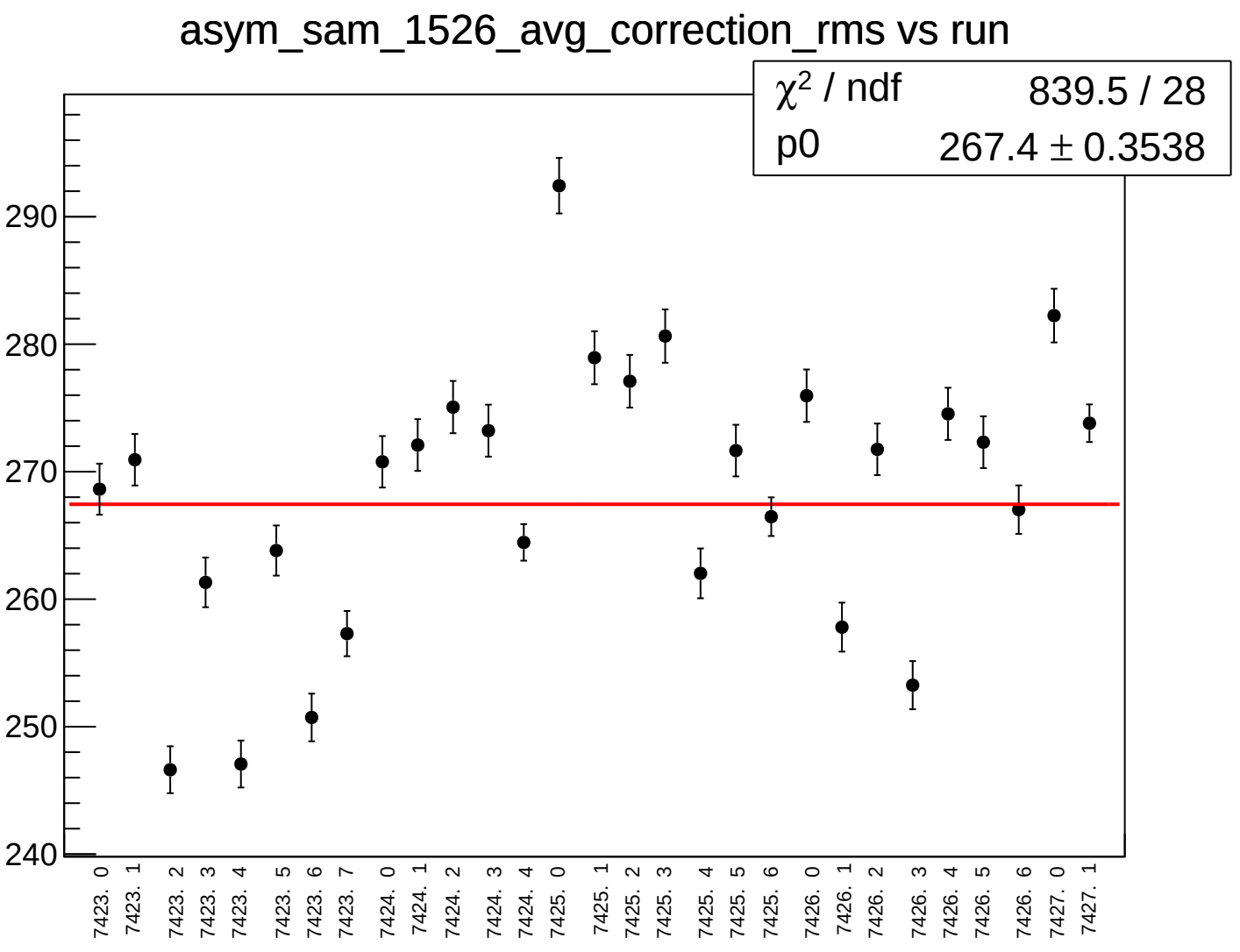

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 19.07 / 28
p0 −92.9 ± 125.3
2000
1500
1000
500
0
−500
−1000
−1500
−2000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −402.5
Std Dev 419.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

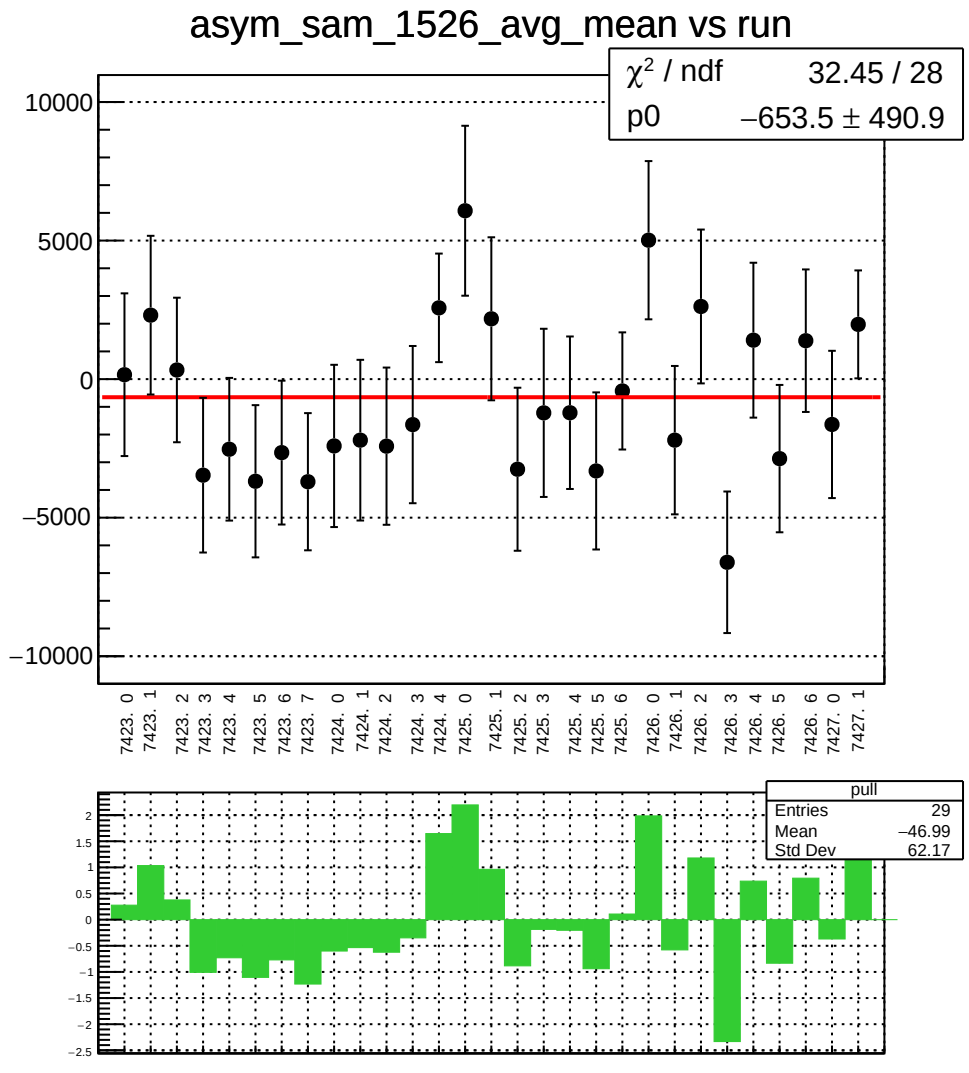

pull1D
Entries 29
Mean 0.007689
Std Dev 0.8108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

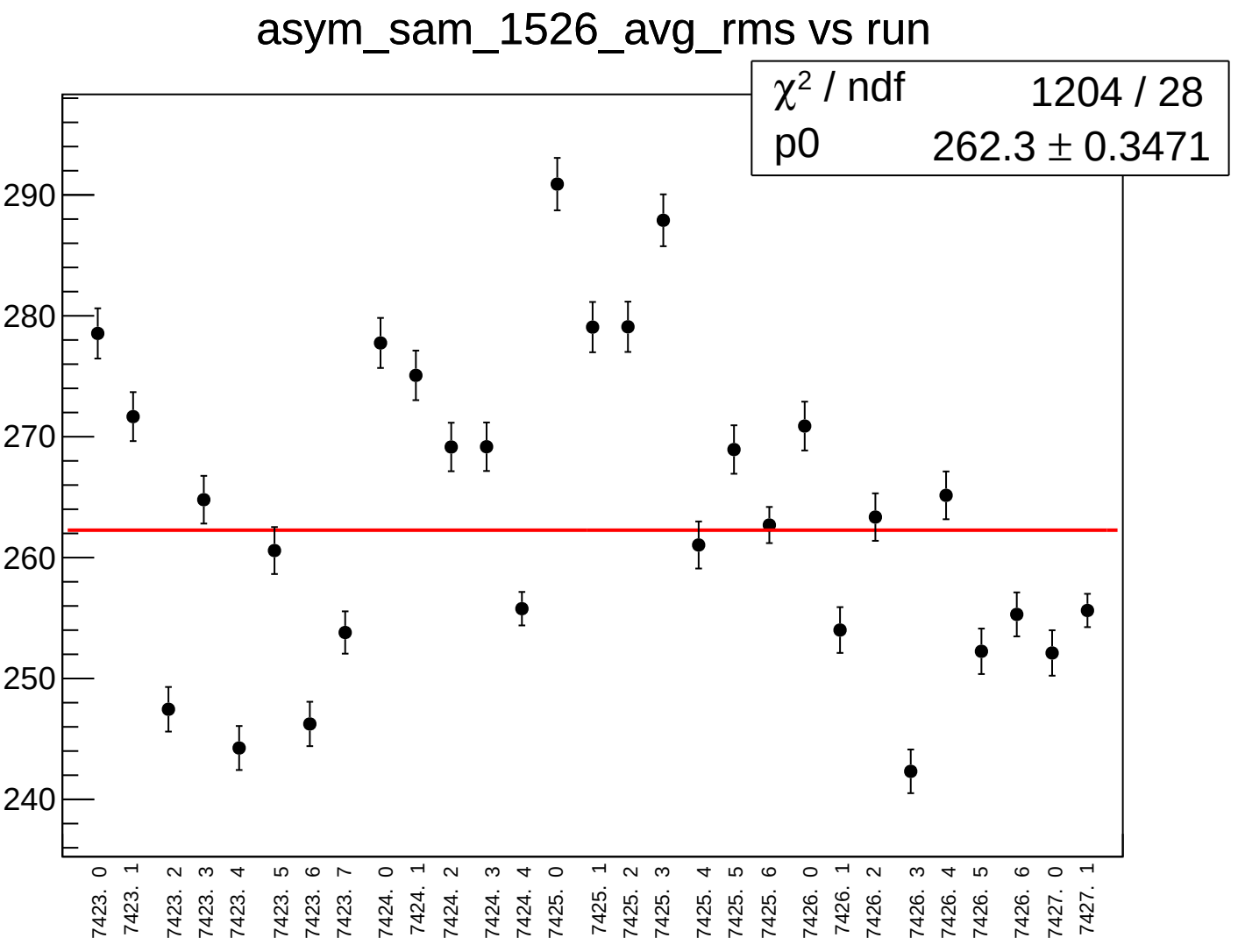

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 5309 / 28
p0 66.68 ± 0.08857
95
90
85
80
75
70
65
60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

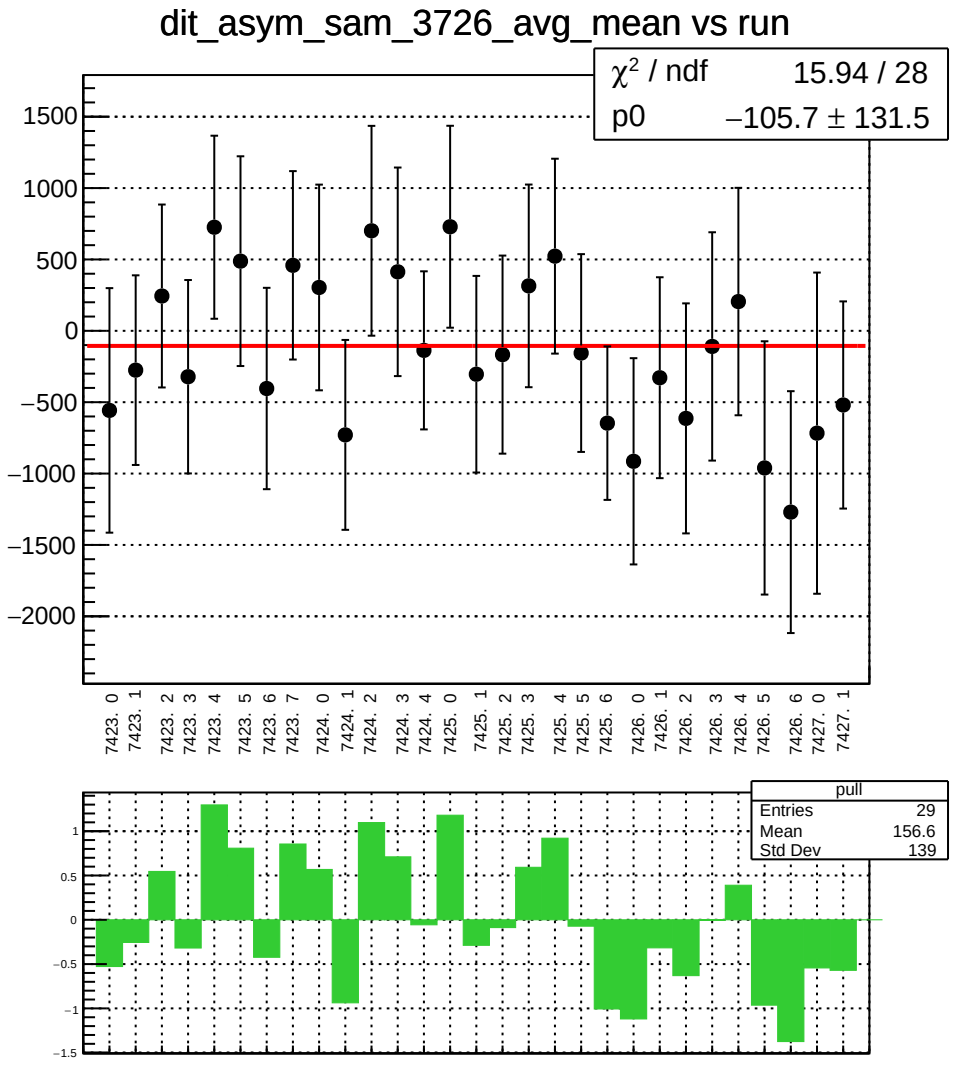

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 33.98 / 28
p0 532.2 ± 500.4
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −65.94
Std Dev 81.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

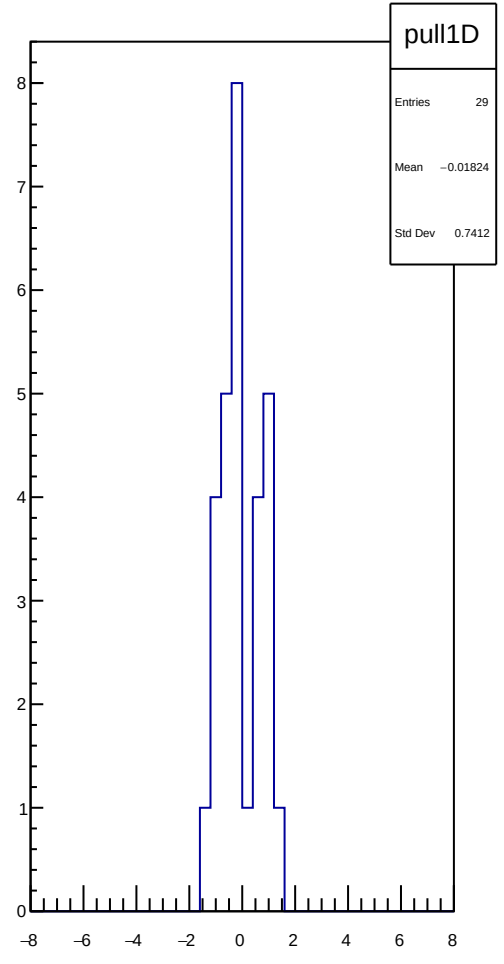

pull1D
Entries 29
Mean 0.02703
Std Dev 1.082
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

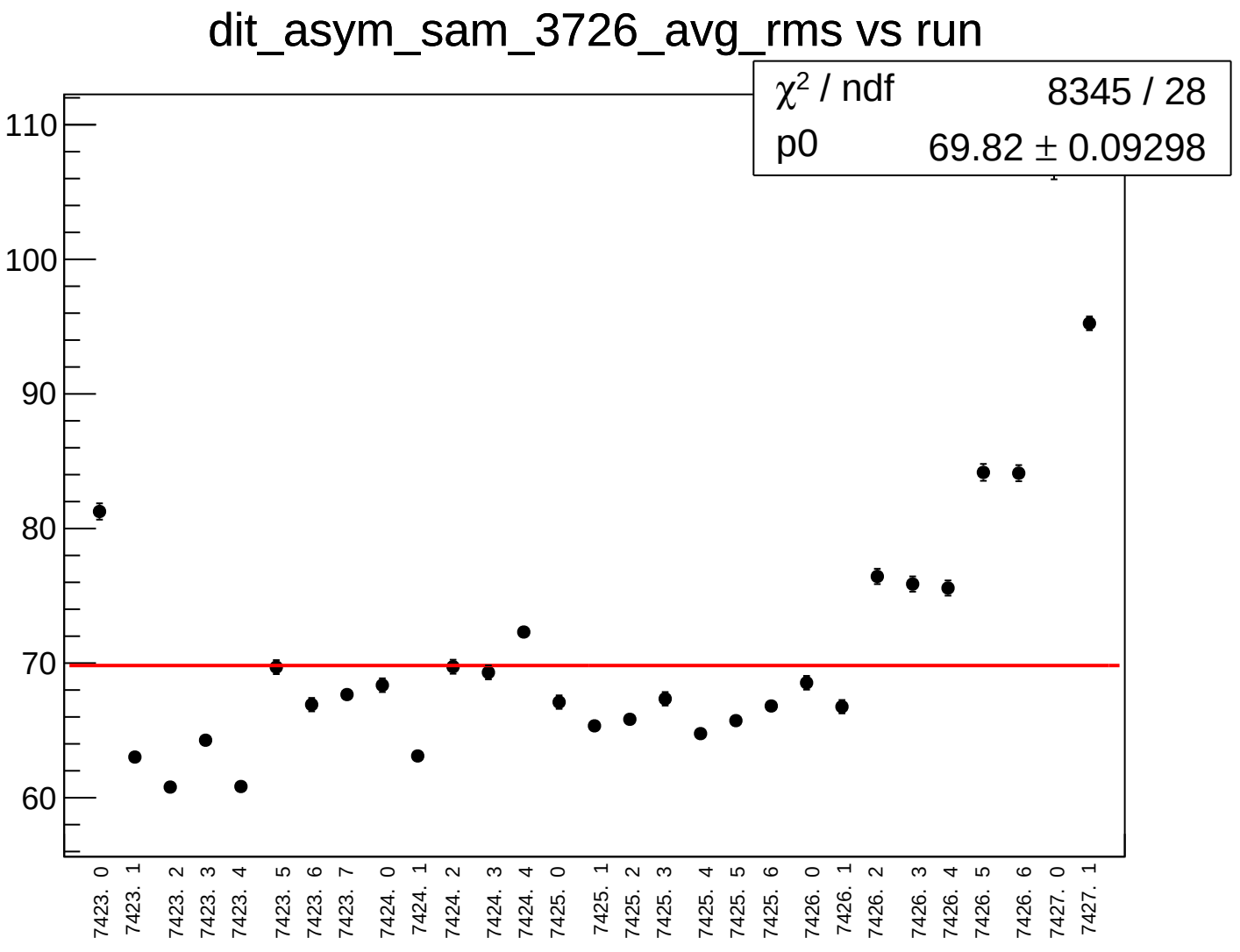

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 839.5 / 28
p0 267.4 ± 0.3538
290
280
270
260
250
240
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

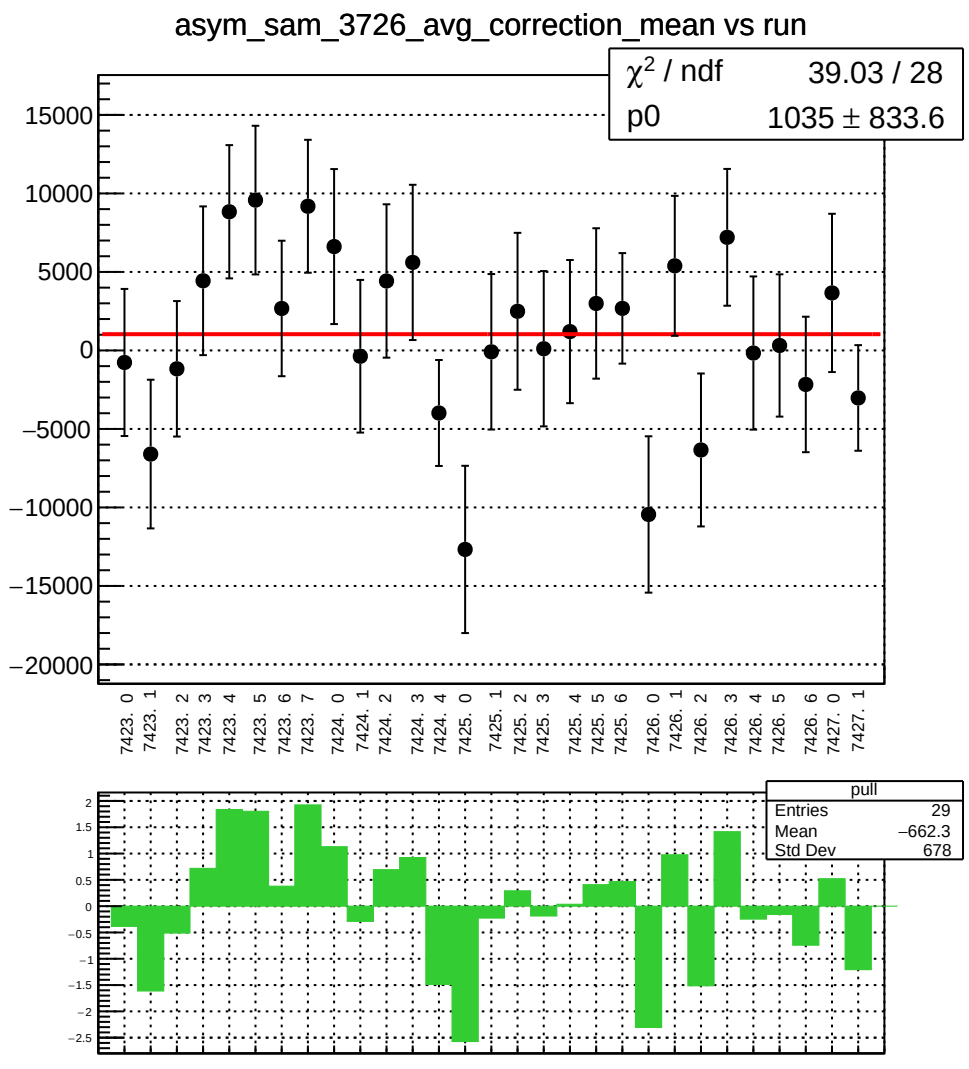

asym_sam_1526_avg_mean vs run
χ² / ndf 32.45 / 28
p0 −653.5 ± 490.9
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −46.99
Std Dev 62.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 29
Mean −0.02165
Std Dev 1.058
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

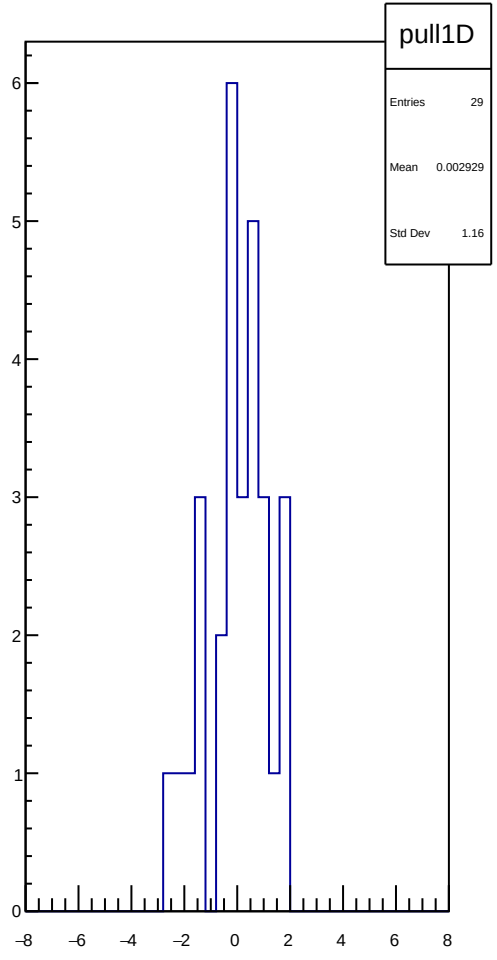

asym_sam_1526_avg_rms vs run
χ² / ndf 1204 / 28
p0 262.3 ± 0.3471
290
280
270
260
250
240
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

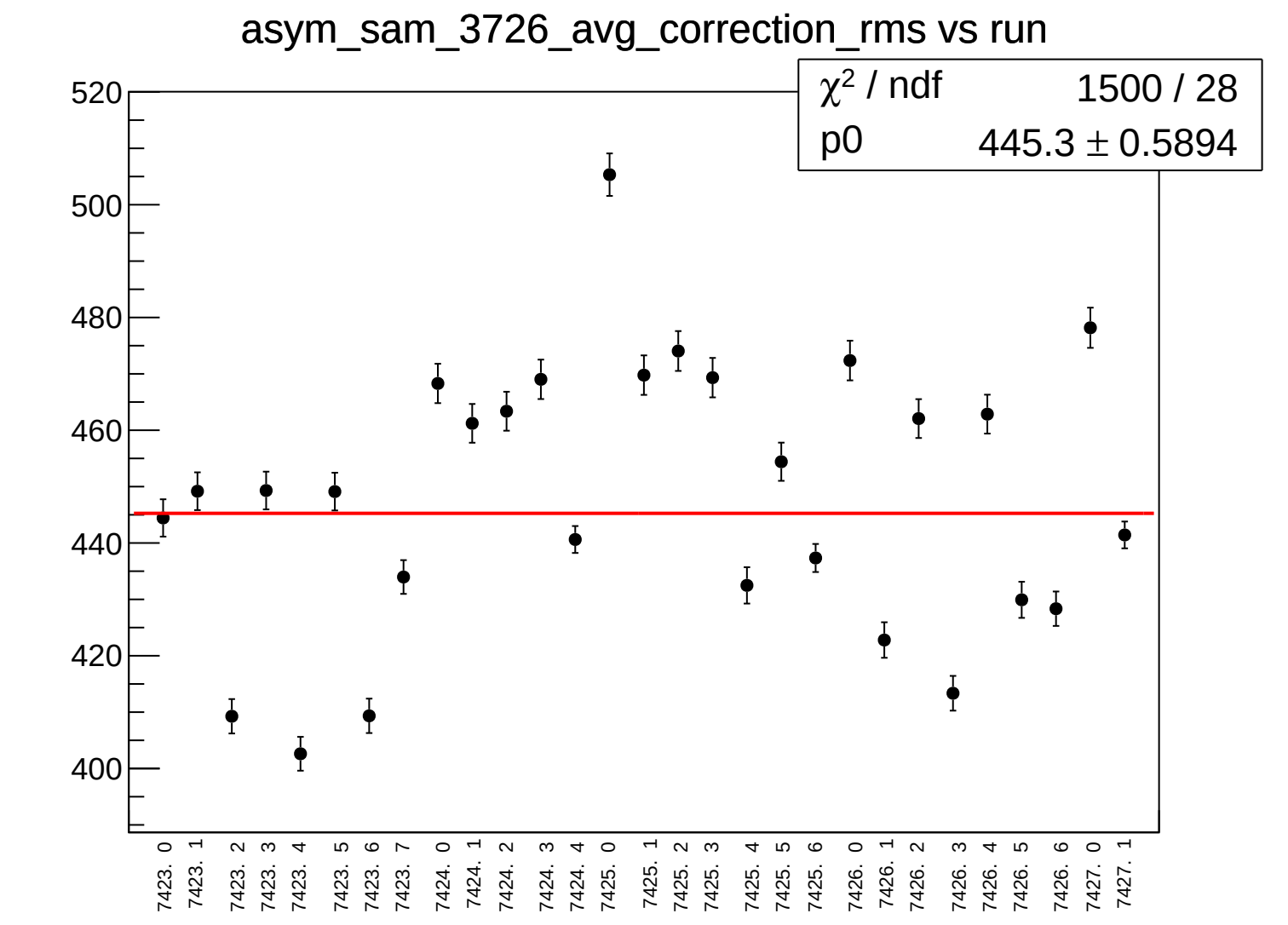

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 15.94 / 28
p0 −105.7 ± 131.5
1500
1000
500
0
−500
−1000
−1500
−2000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 156.6
Std Dev 139
1
0.5
0
−0.5
−1
−1.5

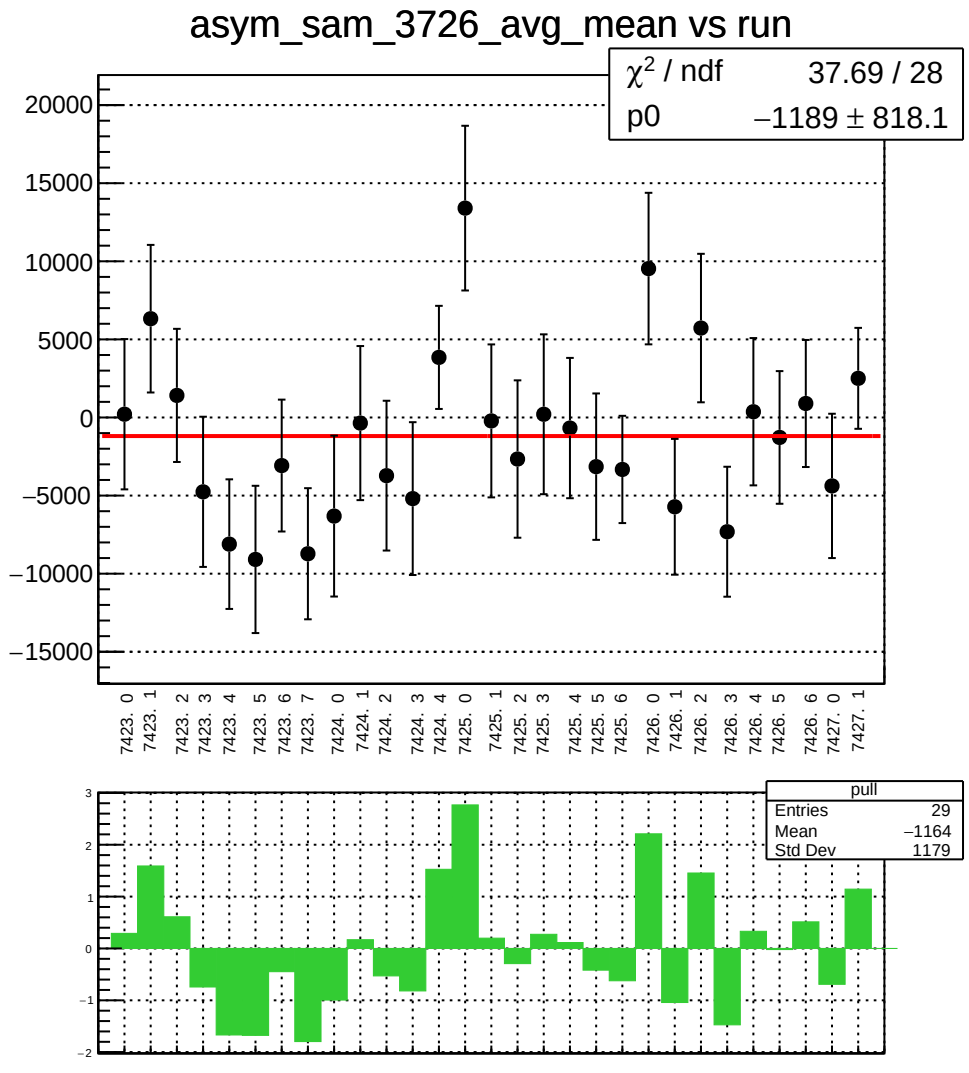

pull1D
Entries 29
Mean −0.01824
Std Dev 0.7412
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

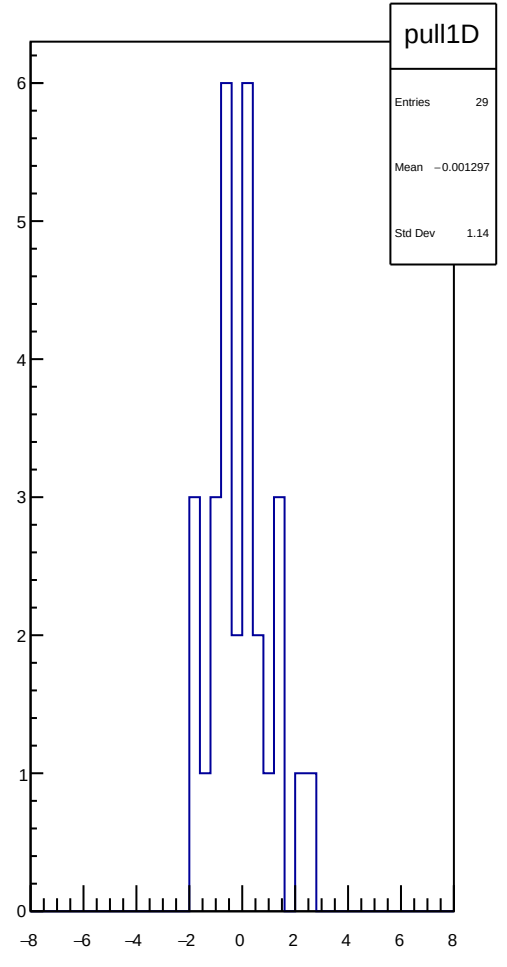

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 8345 / 28
p0 69.82 ± 0.09298
110
100
90
80
70
60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

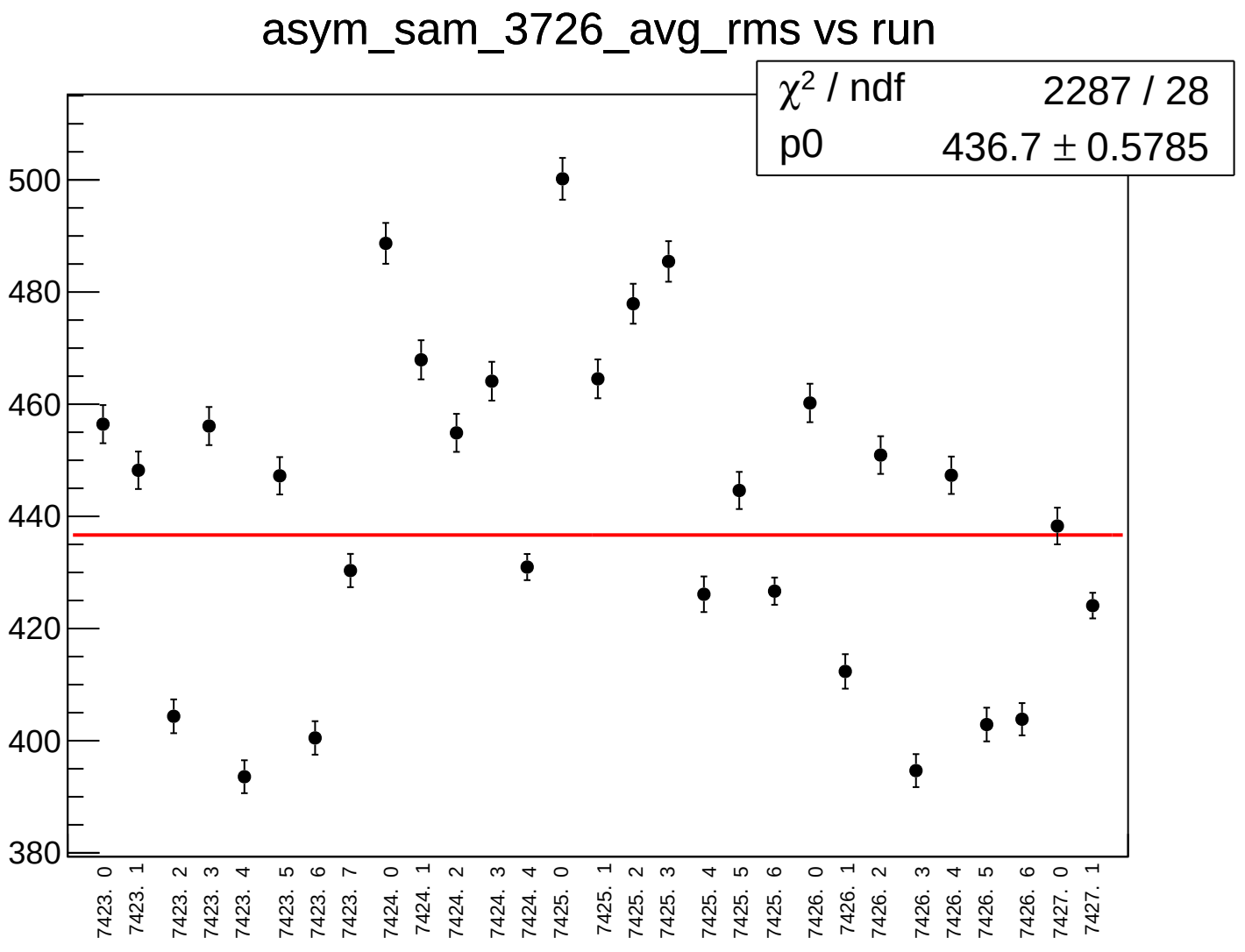

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 39.03 / 28
p0 1035 ± 833.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −662.3
Std Dev 678
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

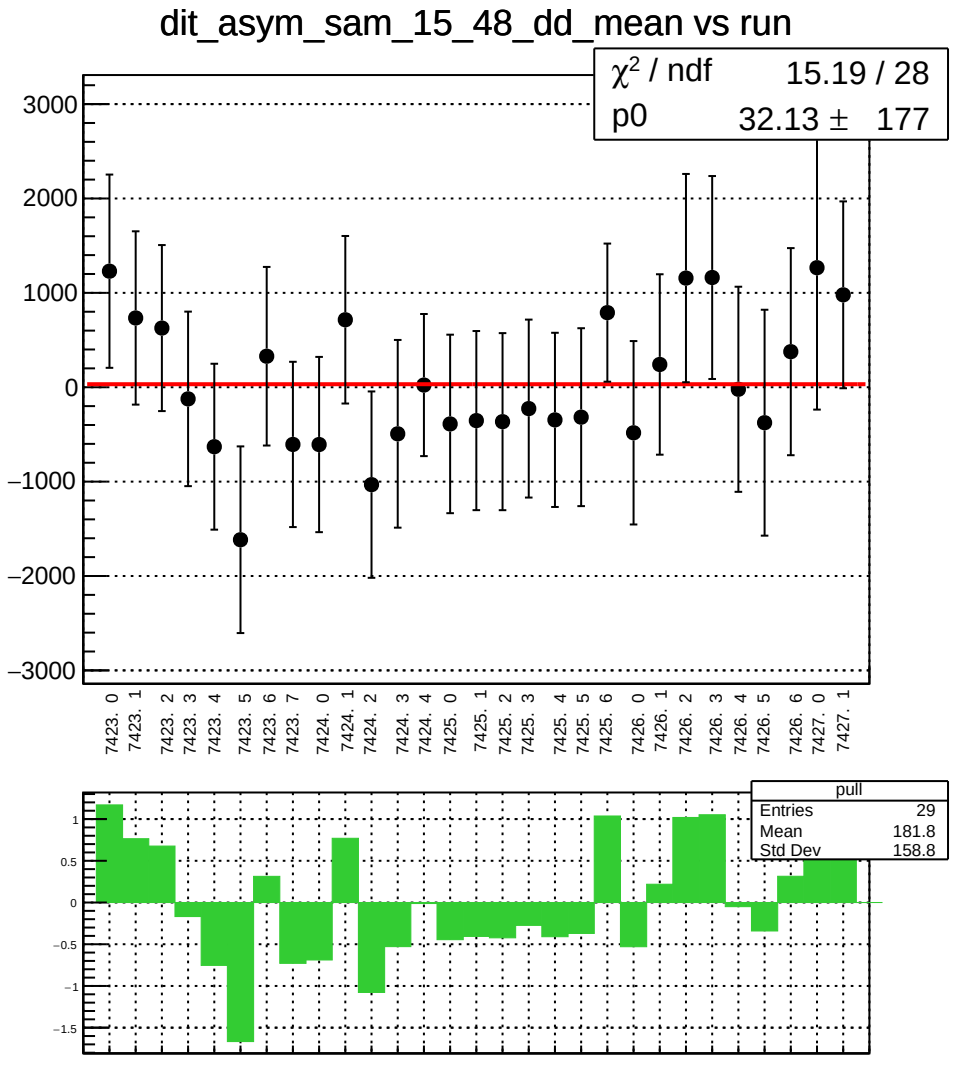

pull1D
Entries 29
Mean 0.002929
Std Dev 1.16
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

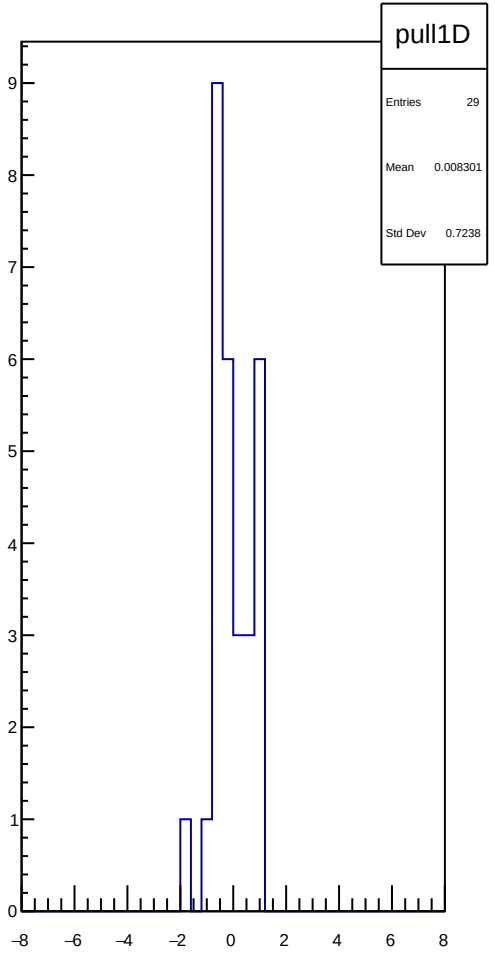

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1500 / 28
p0 445.3 ± 0.5894
520
500
480
460
440
420
400
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

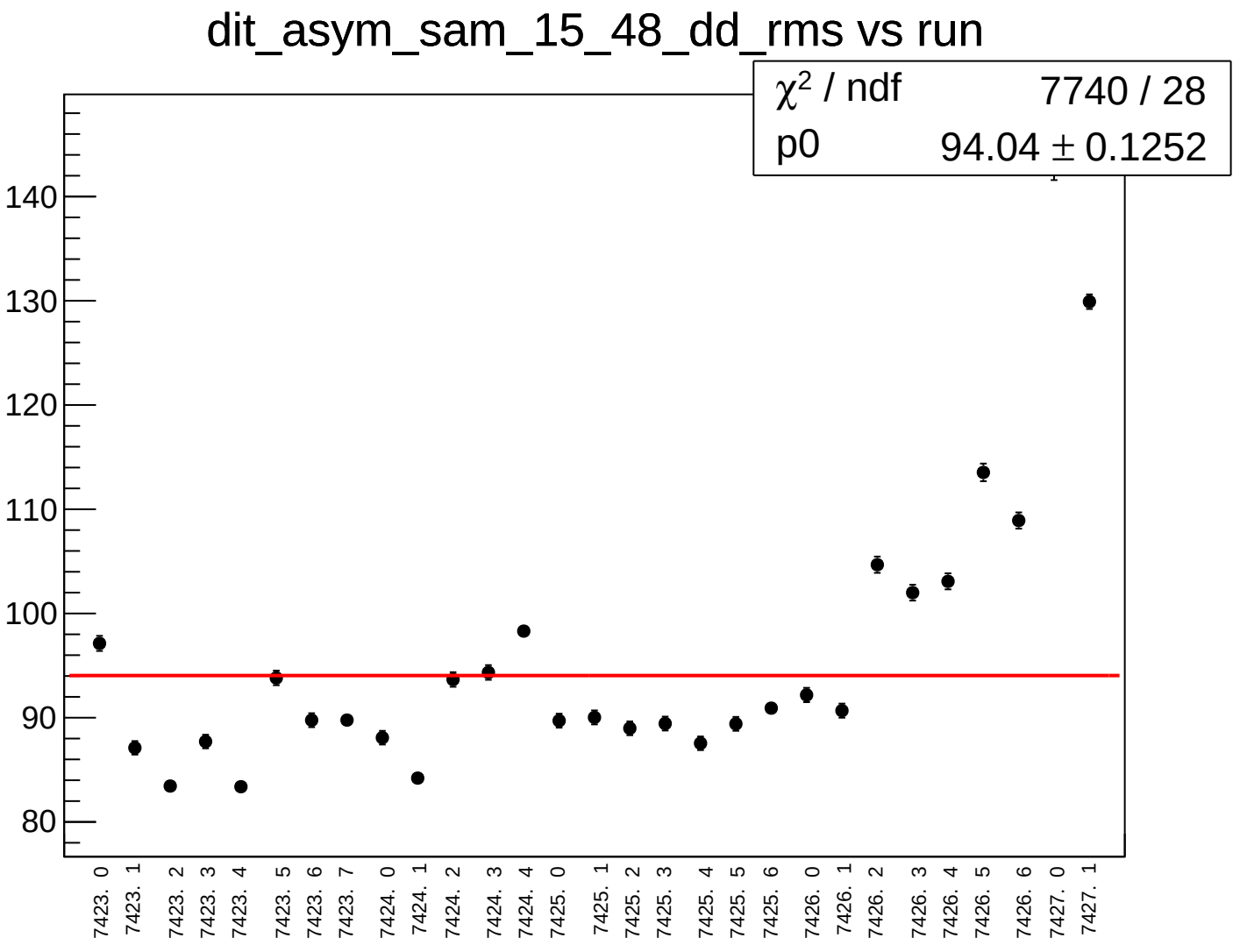

asym_sam_3726_avg_mean vs run
χ² / ndf 37.69 / 28
p0 −1189 ± 818.1
20000
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −1164
Std Dev 1179
3
2
1
0
−1
−2

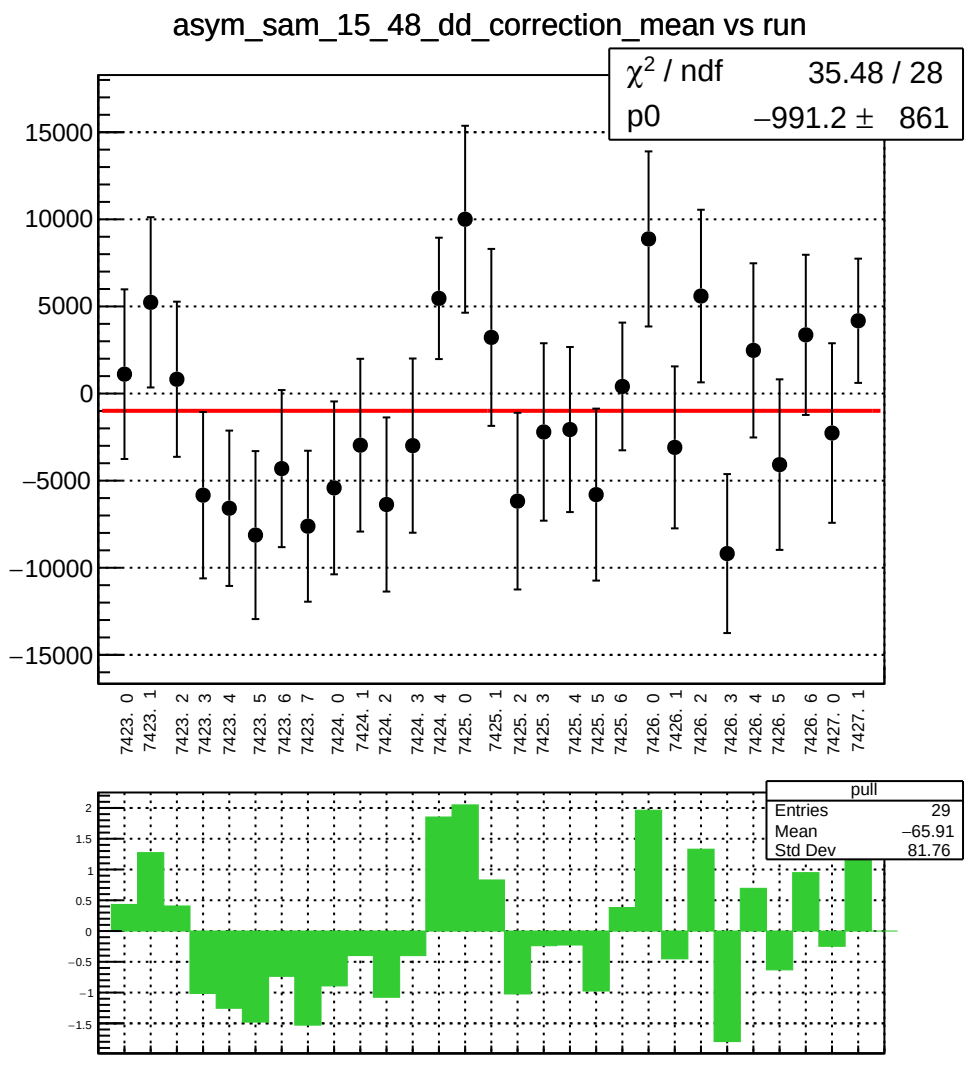

pull1D
Entries 29
Mean −0.001297
Std Dev 1.14
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

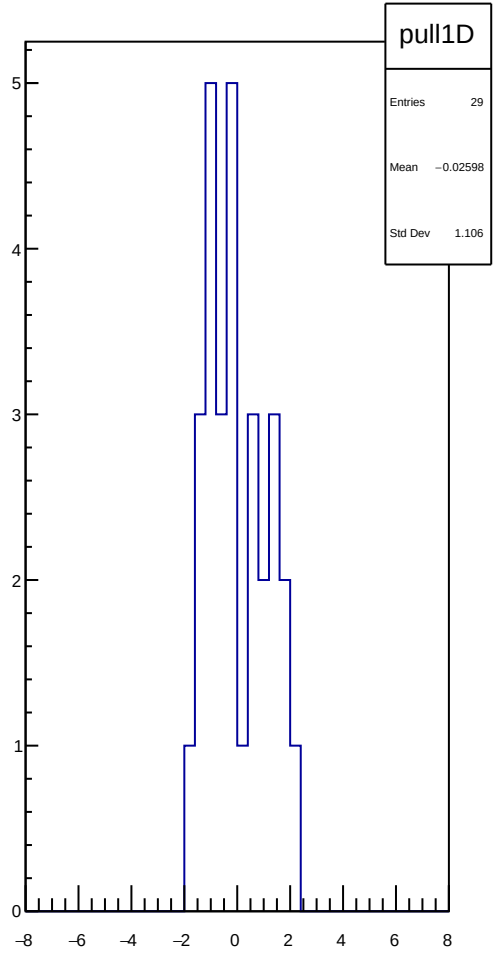

asym_sam_3726_avg_rms vs run
χ² / ndf 2287 / 28
p0 436.7 ± 0.5785
500
480
460
440
420
400
380
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

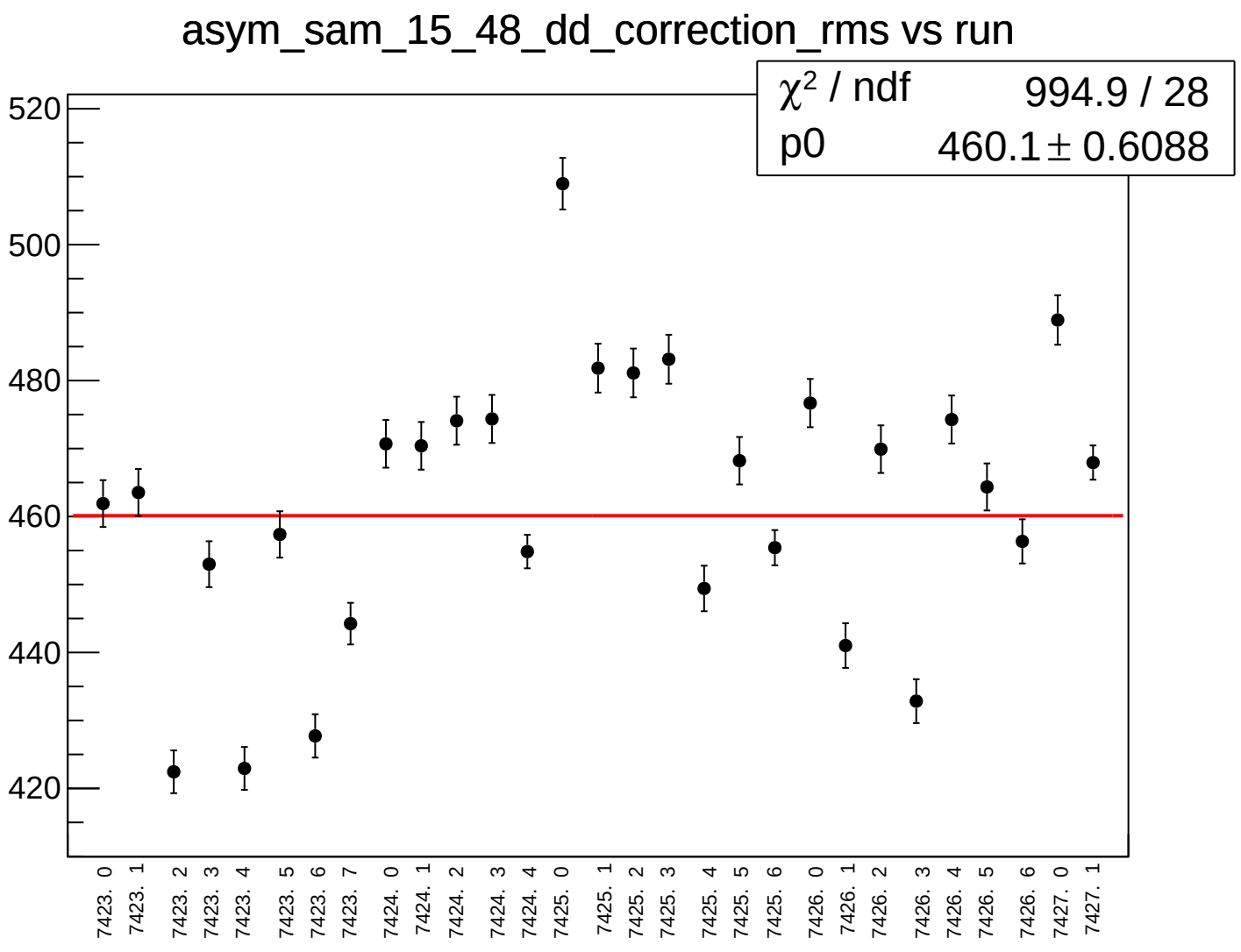

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 15.19 / 28
p0 32.13 ± 177
3000
2000
1000
0
−1000
−2000
−3000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 181.8
Std Dev 158.8
1
0.5
0
−0.5
−1
−1.5

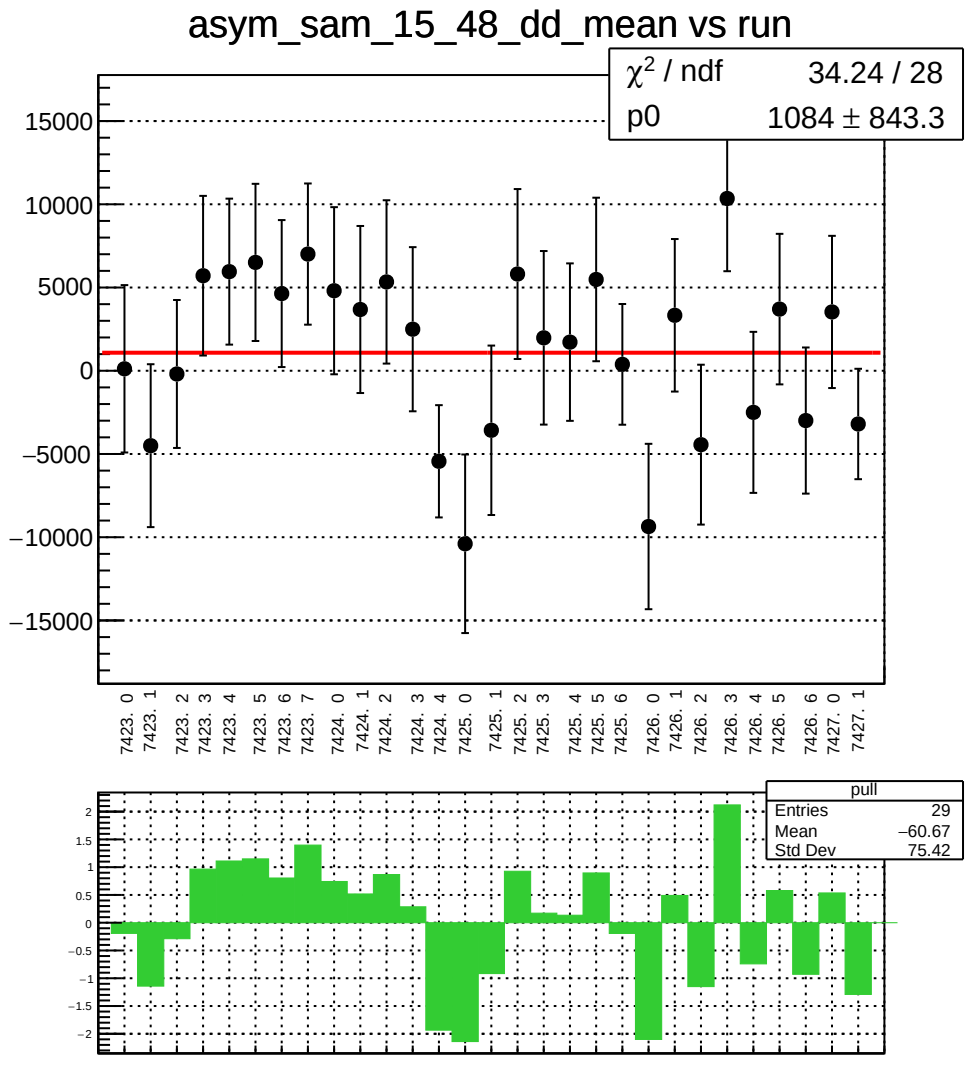

pull1D
Entries 29
Mean 0.008301
Std Dev 0.7238
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

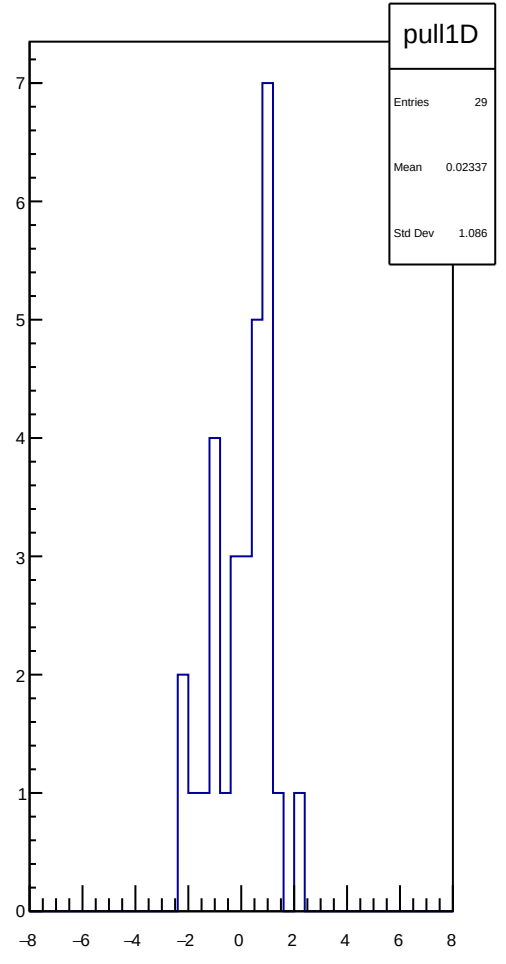

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 7740 / 28
p0 94.04 ± 0.1252
140
130
120
110
100
90
80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

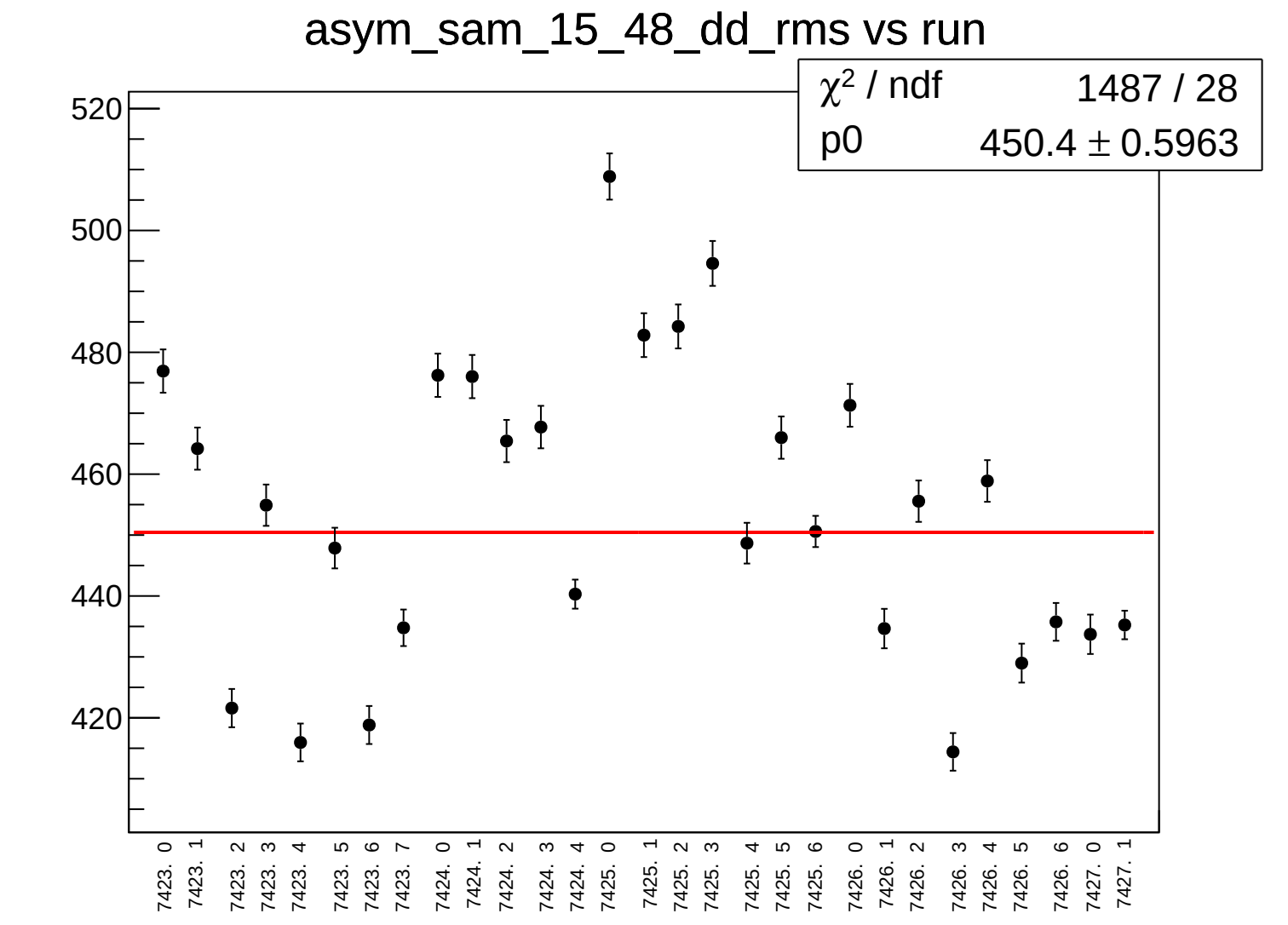

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 35.48 / 28
p0 −991.2 ± 861
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −65.91
Std Dev 81.76
2
1.5
1
0.5
0
−0.5
−1
−1.5

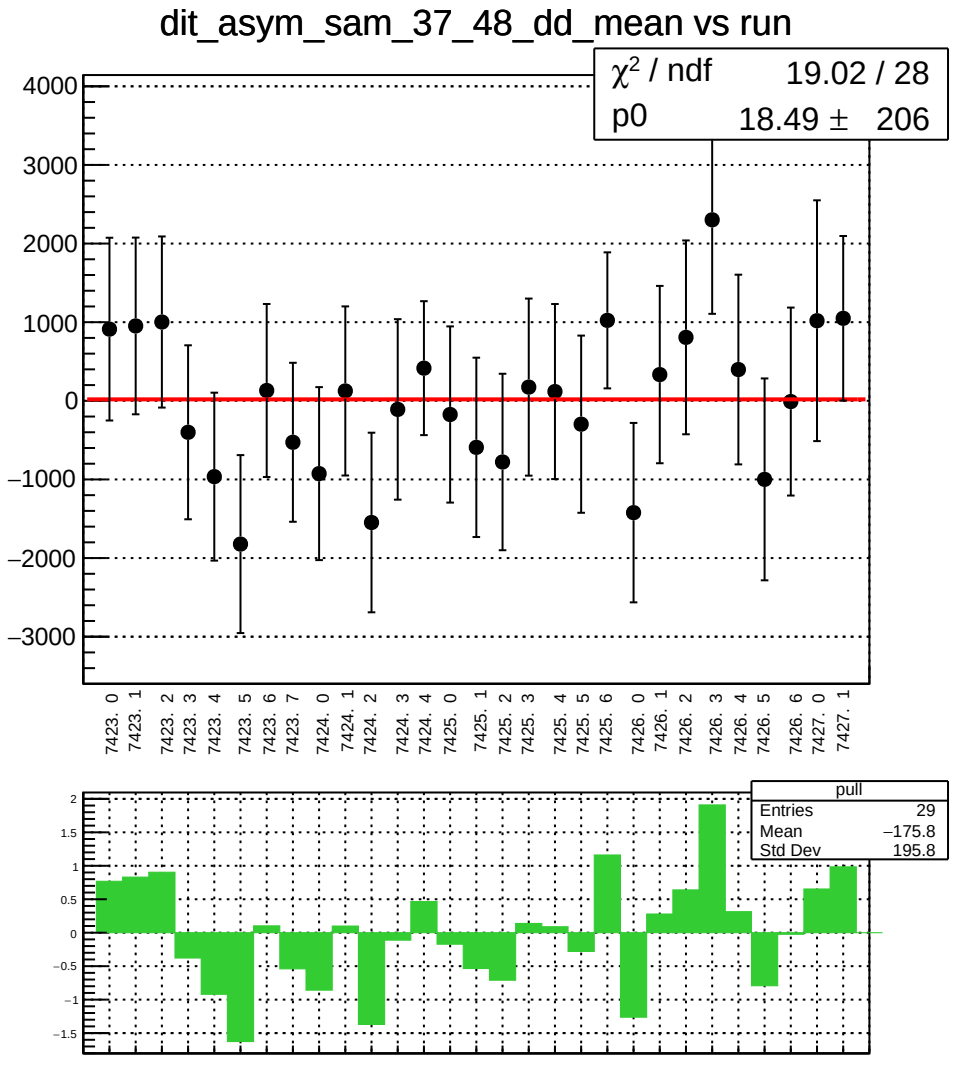

pull1D
Entries 29
Mean −0.02598
Std Dev 1.106
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

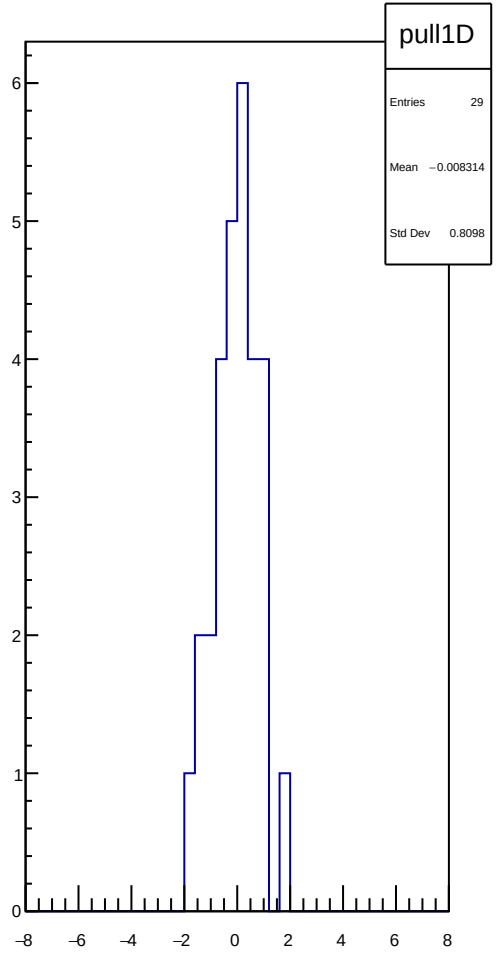

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 994.9 / 28
p0 460.1 ± 0.6088
520
500
480
460
440
420
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

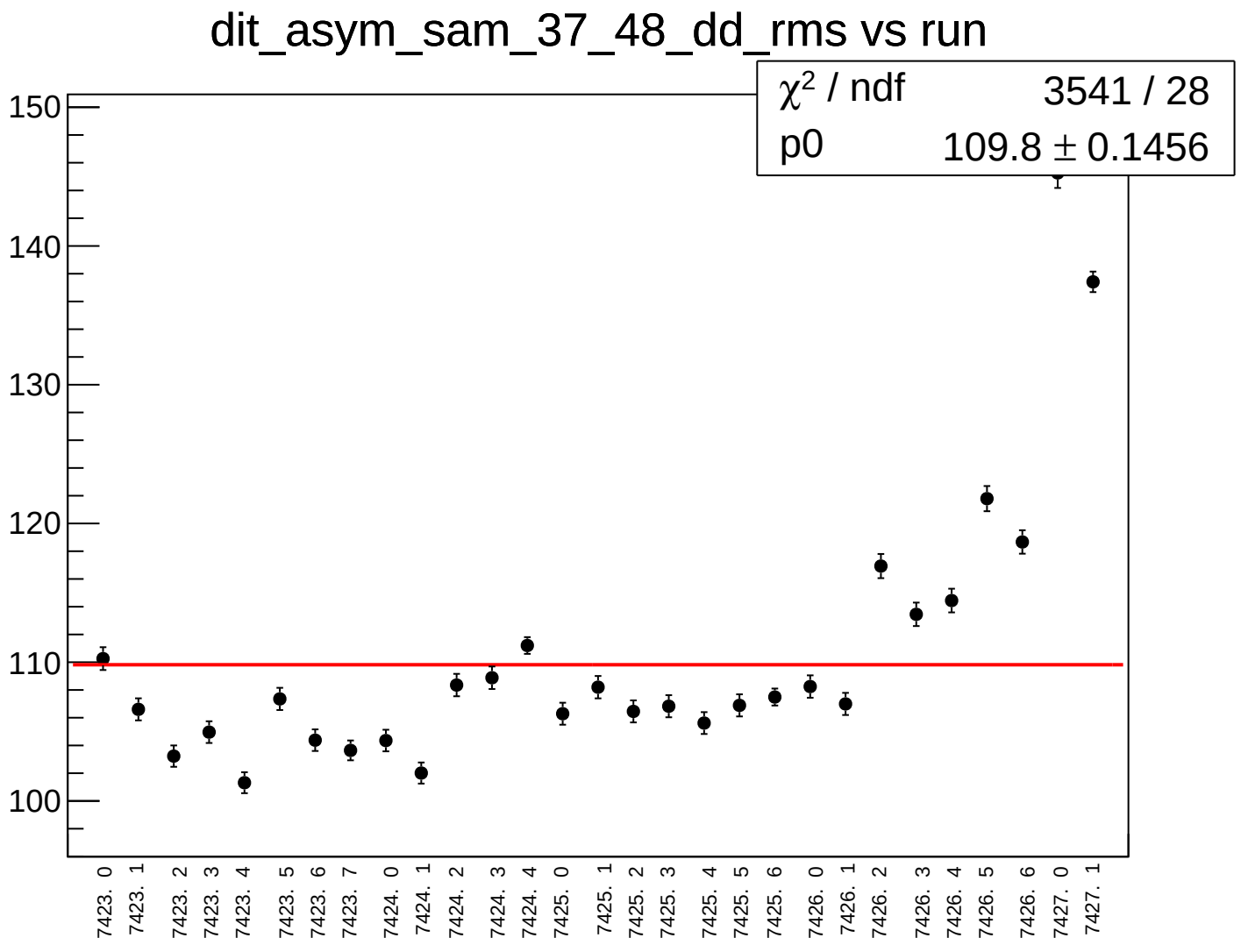

asym_sam_15_48_dd_mean vs run
χ² / ndf 34.24 / 28
p0 1084 ± 843.3
15000
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −60.67
Std Dev 75.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

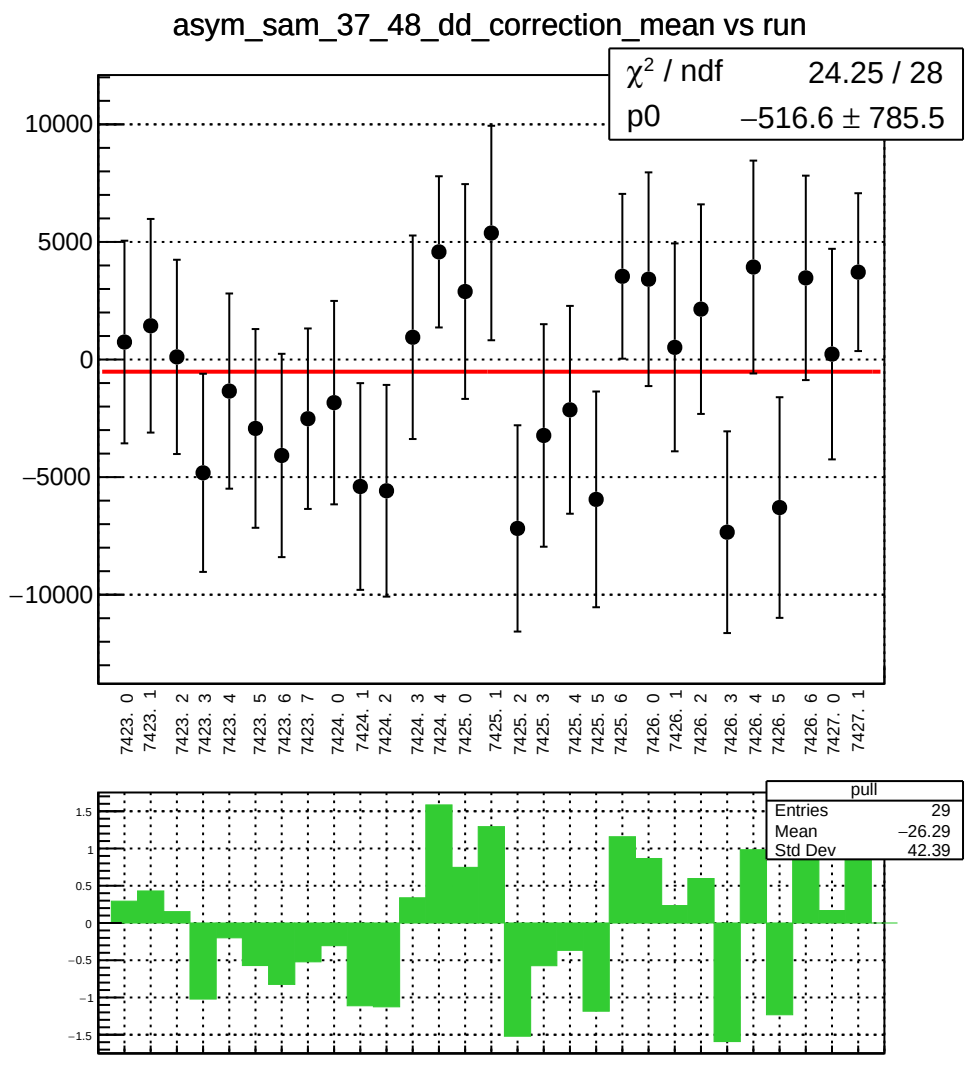

pull1D
Entries 29
Mean 0.02337
Std Dev 1.086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

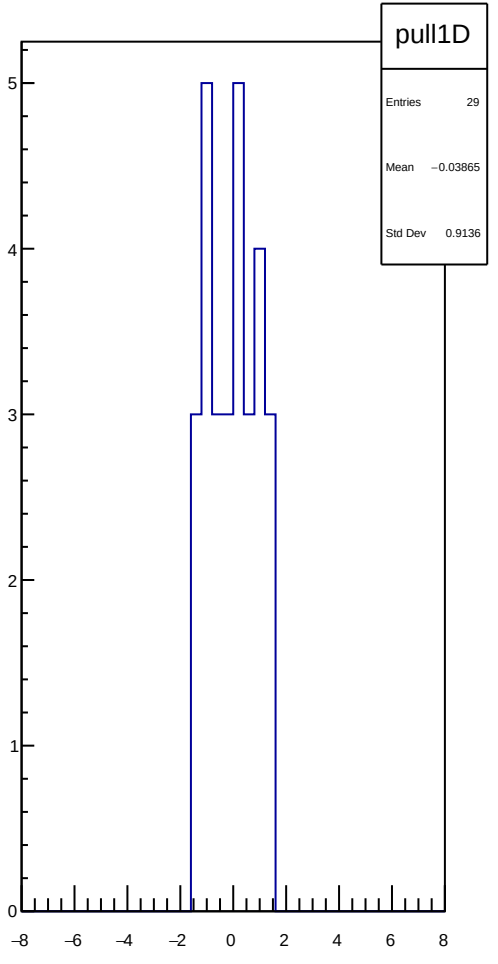

asym_sam_15_48_dd_rms vs run
χ² / ndf 1487 / 28
p0 450.4 ± 0.5963
520
500
480
460
440
420
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

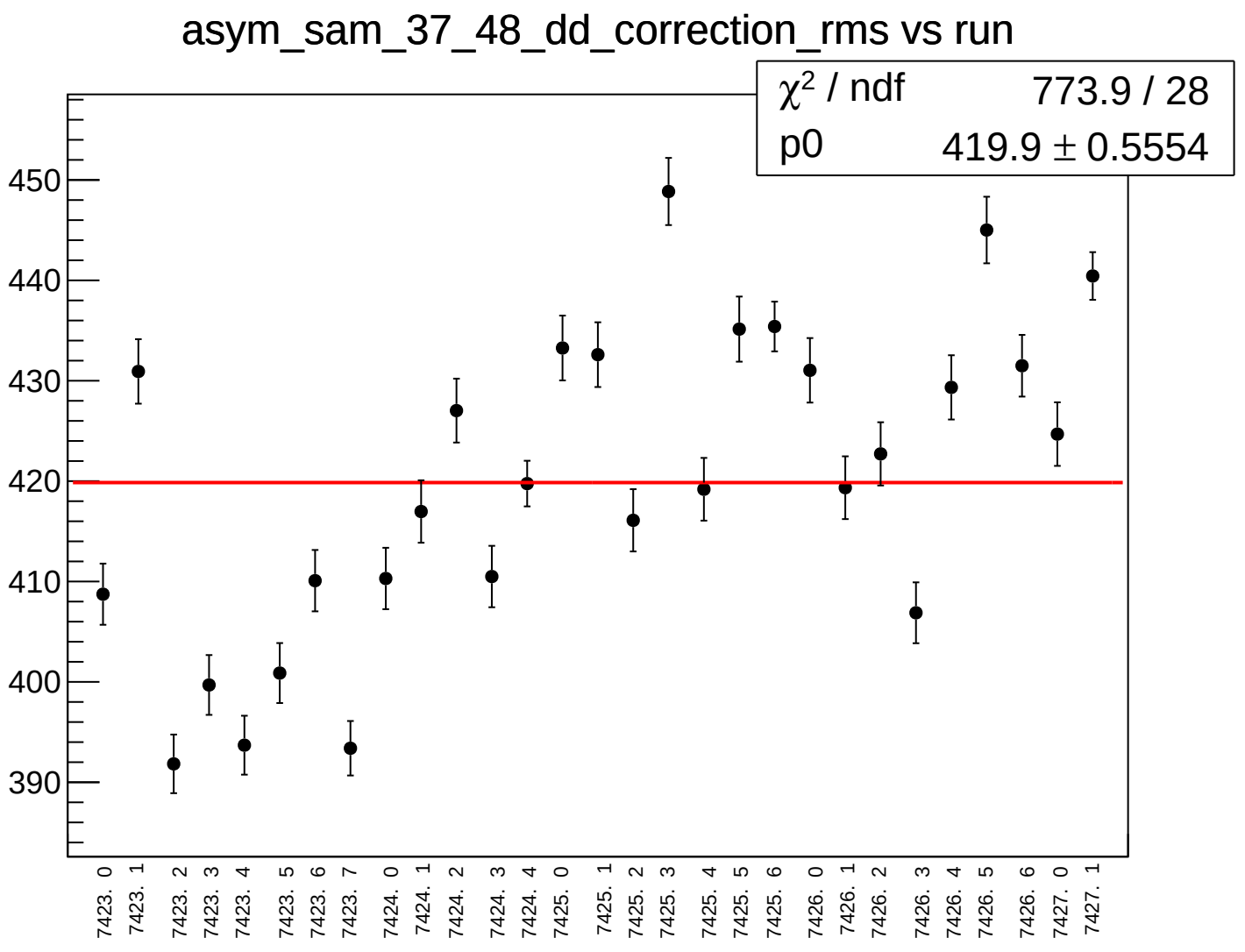

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 19.02 / 28
p0 18.49 ± 206
4000
3000
2000
1000
0
−1000
−2000
−3000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −175.8
Std Dev 195.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

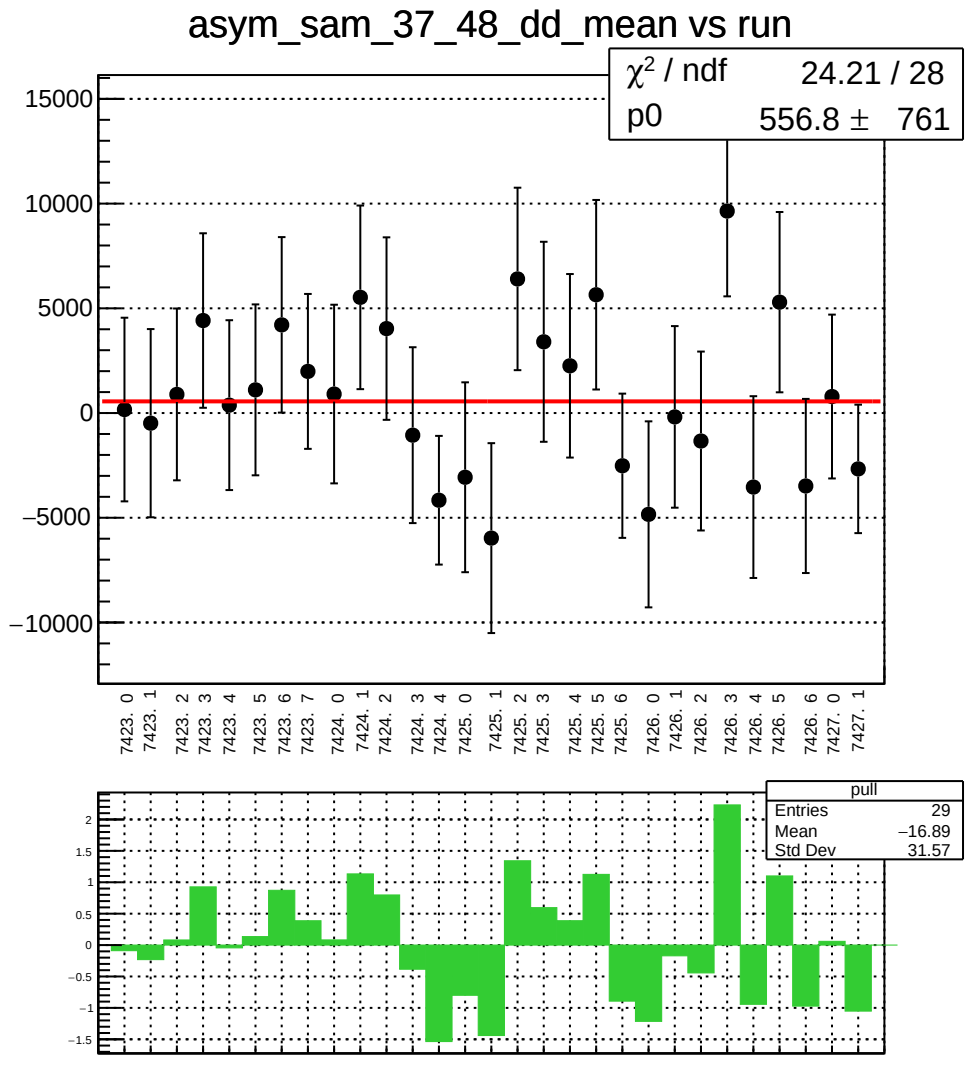

pull1D
Entries 29
Mean −0.008314
Std Dev 0.8098
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

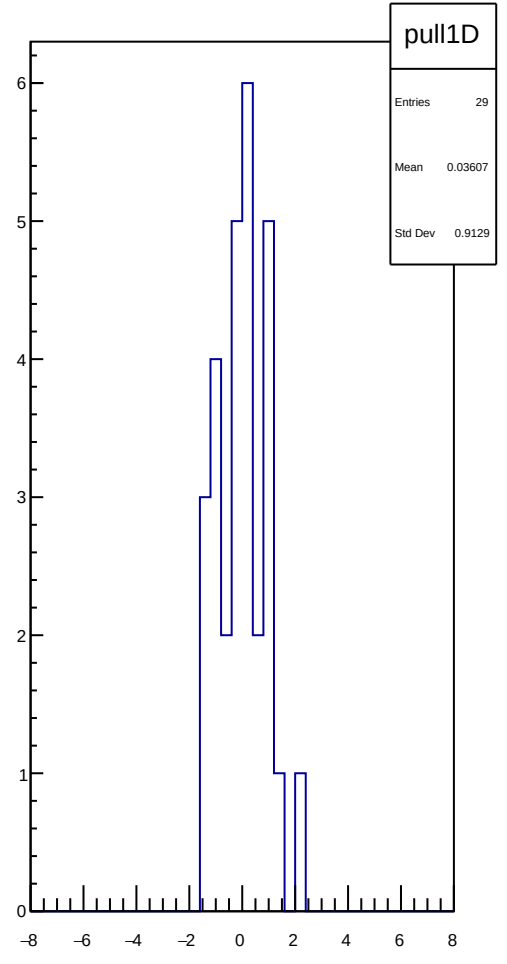

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 3541 / 28
p0 109.8 ± 0.1456
150
140
130
120
110
100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

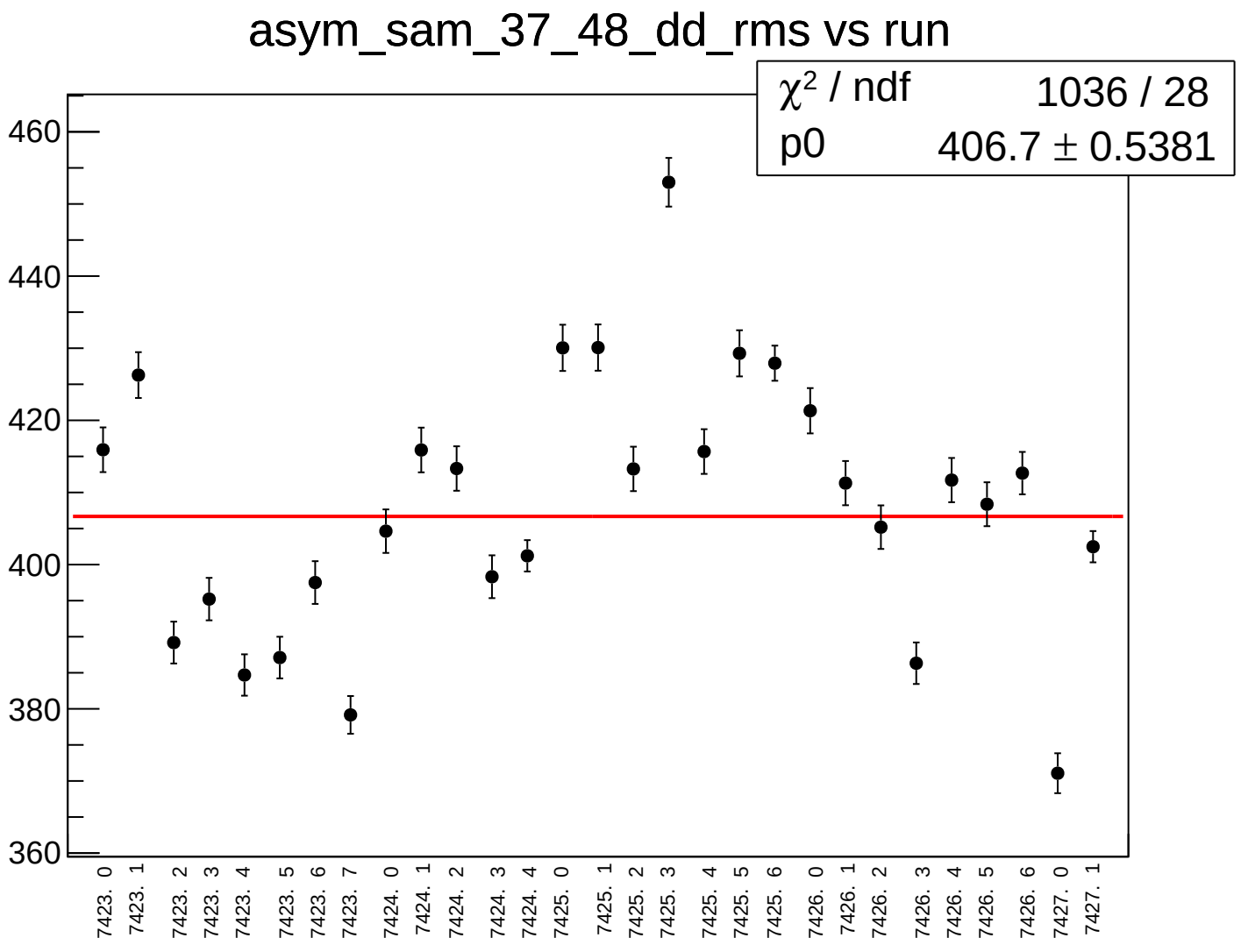

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 24.25 / 28
p0 −516.6 ± 785.5
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −26.29
Std Dev 42.39
1.5
1
0.5
0
−0.5
−1
−1.5

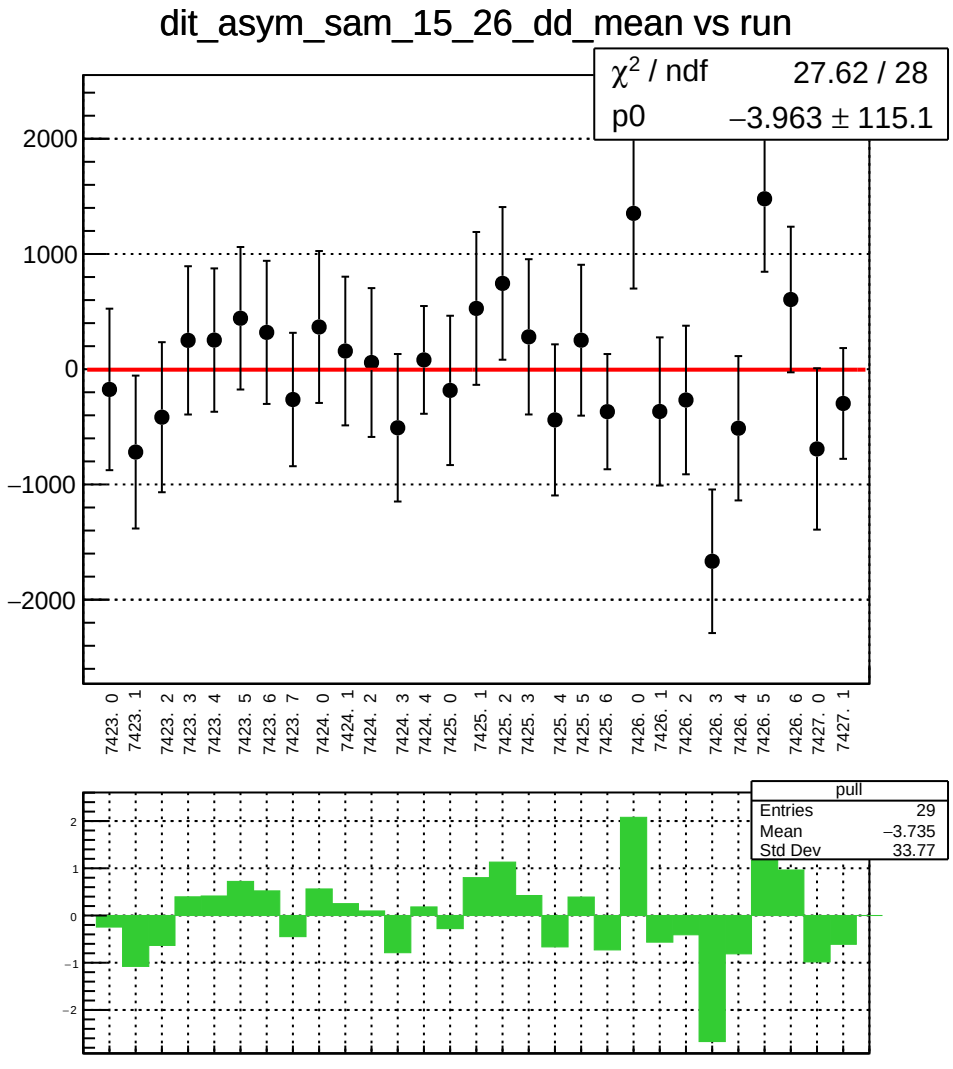

pull1D
Entries 29
Mean −0.03865
Std Dev 0.9136
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

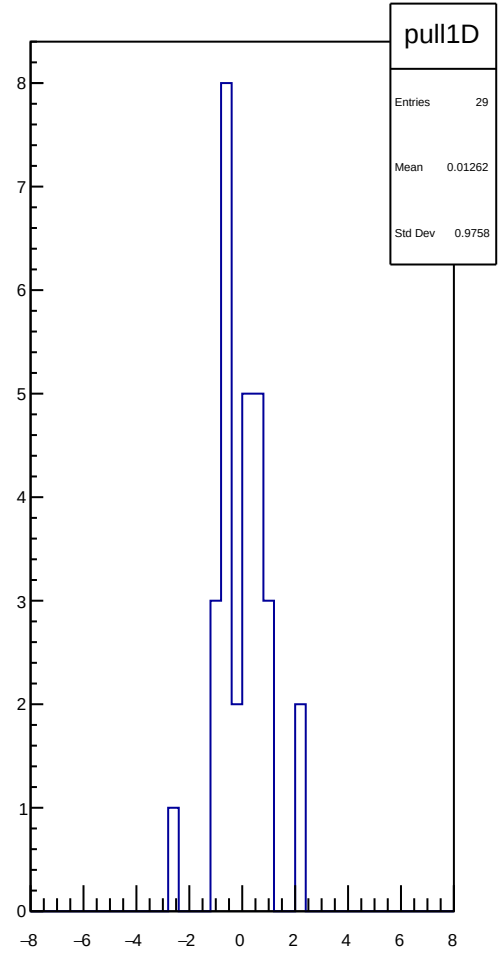

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 773.9 / 28
p0 419.9 ± 0.5554
450
440
430
420
410
400
390
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

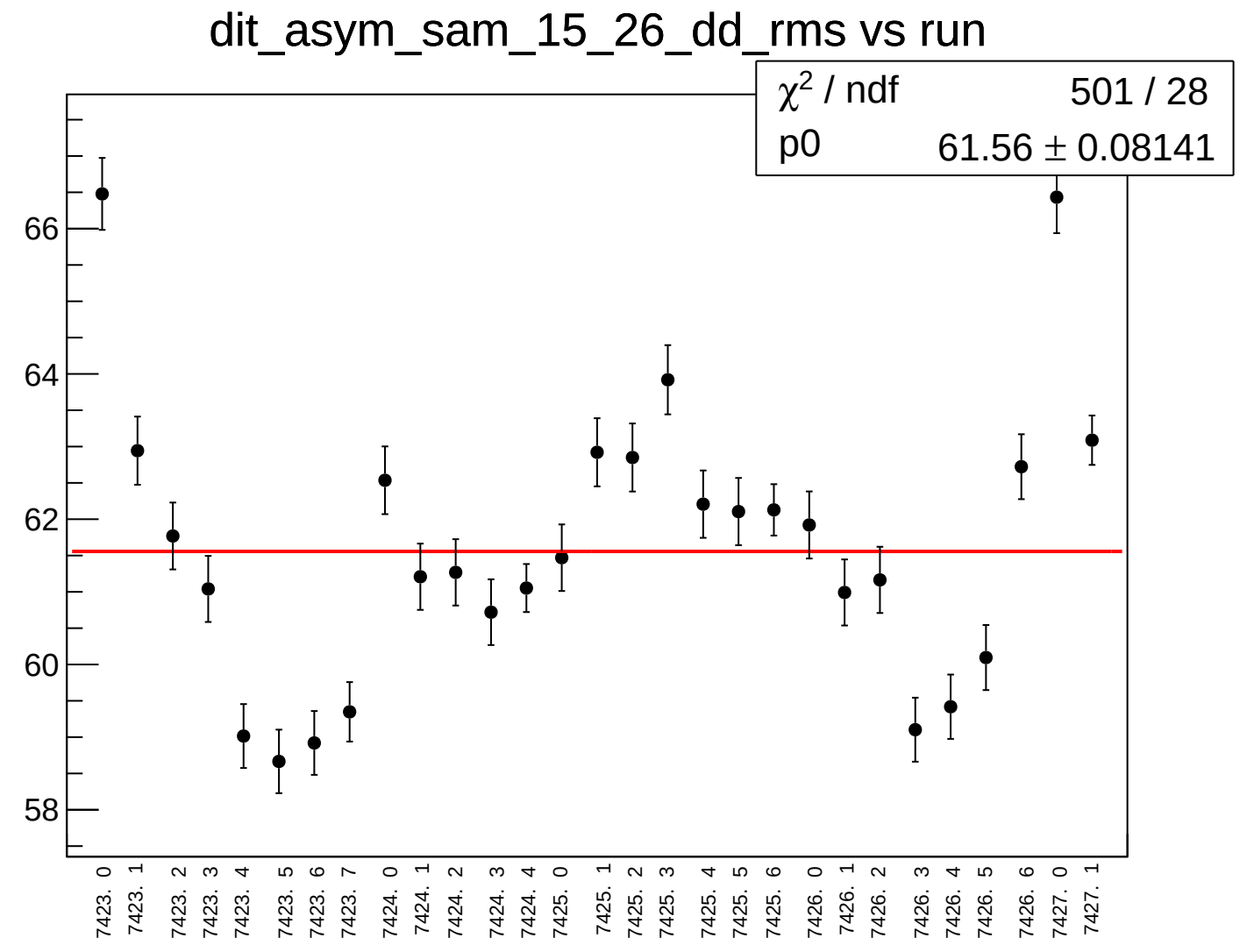

asym_sam_37_48_dd_mean vs run
χ² / ndf 24.21 / 28
p0 556.8 ± 761
15000
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −16.89
Std Dev 31.57
2
1.5
1
0.5
0
−0.5
−1
−1.5

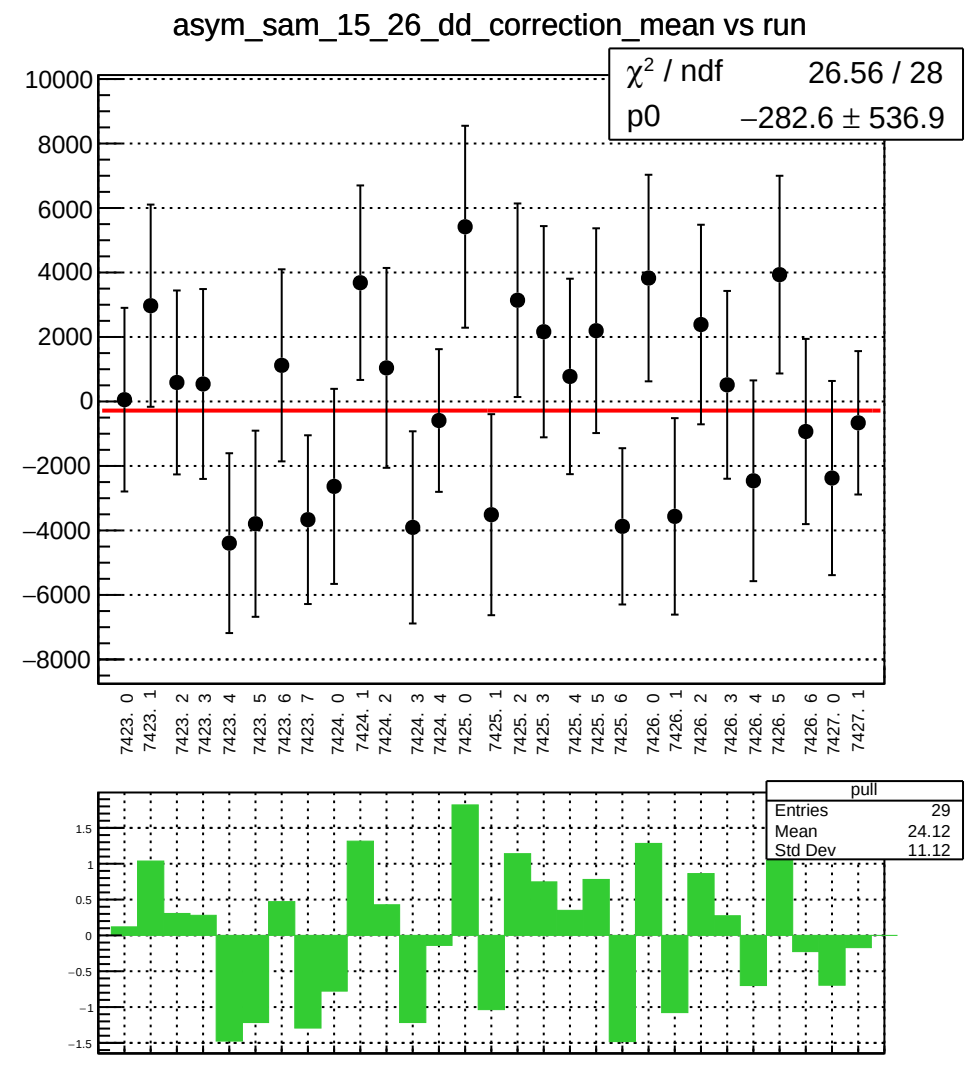

pull1D
Entries 29
Mean 0.03607
Std Dev 0.9129
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

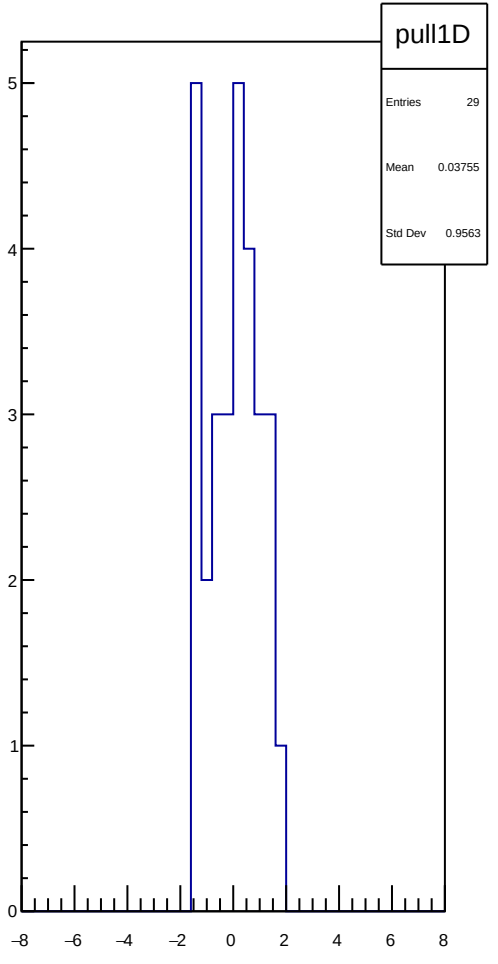

asym_sam_37_48_dd_rms vs run
χ² / ndf 1036 / 28
p0 406.7 ± 0.5381
460
440
420
400
380
360
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

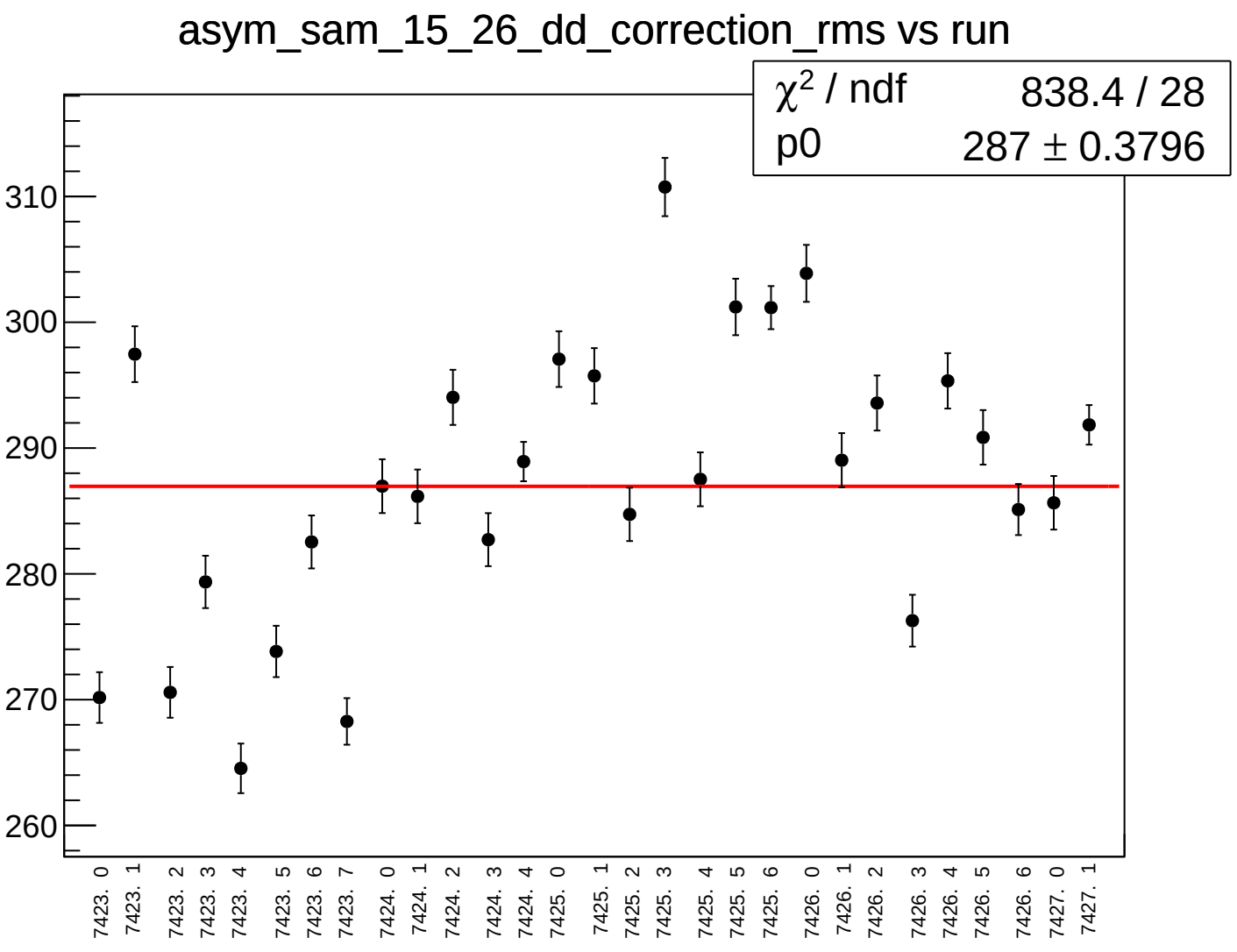

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 27.62 / 28
p0 −3.963 ± 115.1
2000
1000
0
−1000
−2000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −3.735
Std Dev 33.77
2
1
0
−1
−2

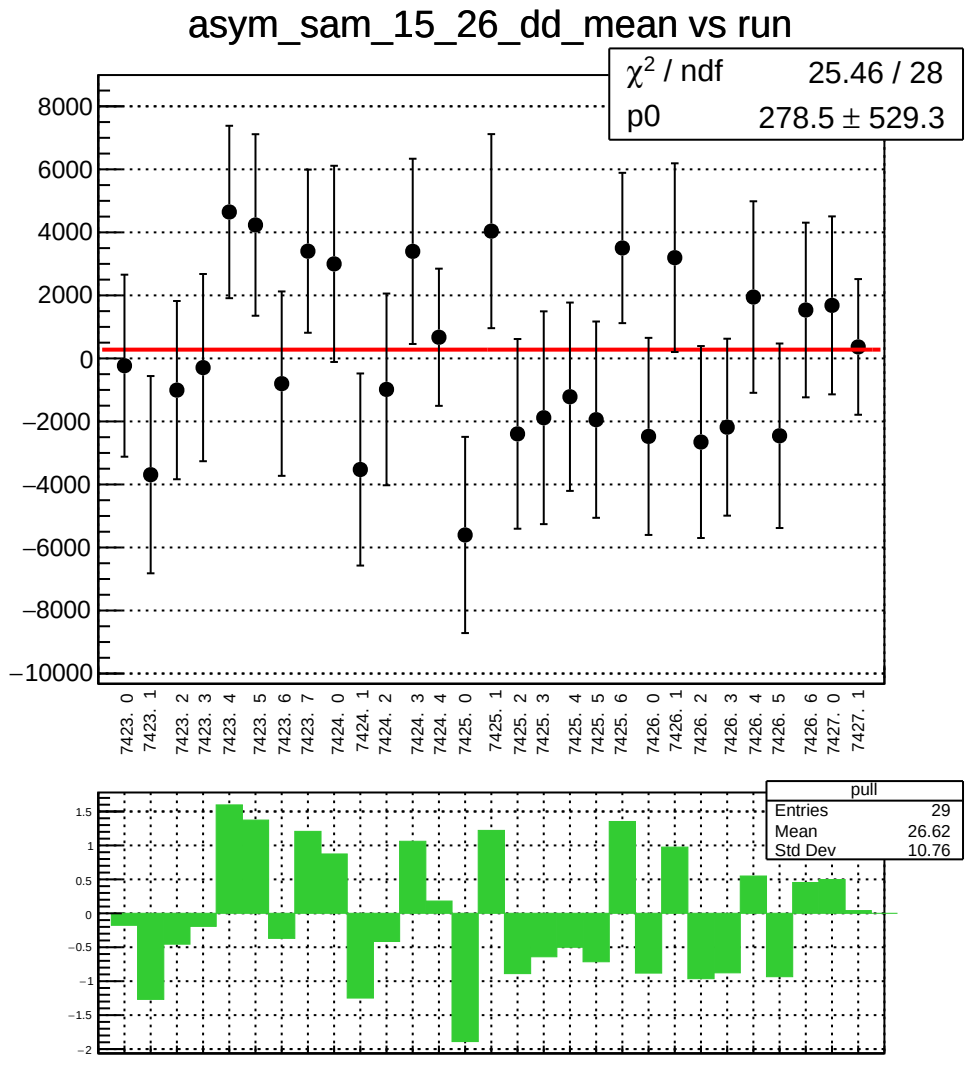

pull1D
Entries 29
Mean 0.01262
Std Dev 0.9758
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

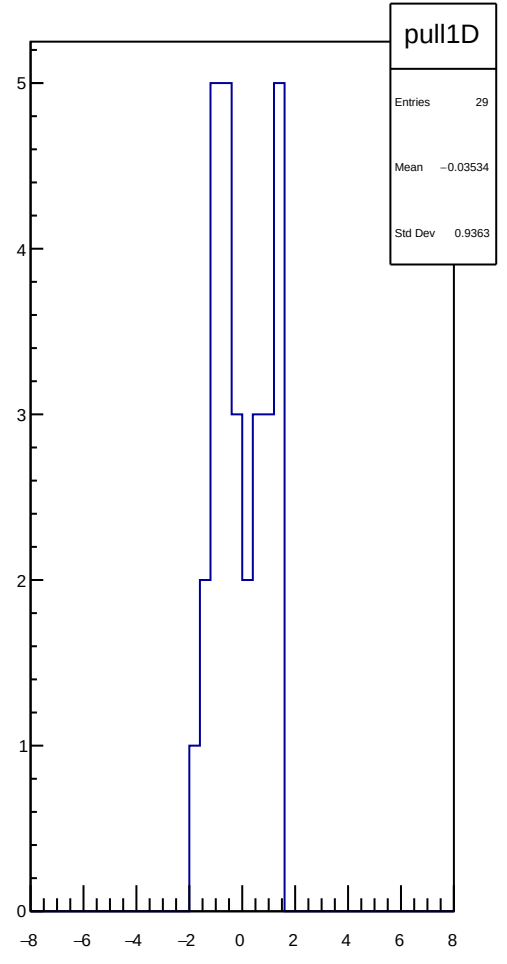

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 501 / 28
p0 61.56 ± 0.08141
66
64
62
60
58
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

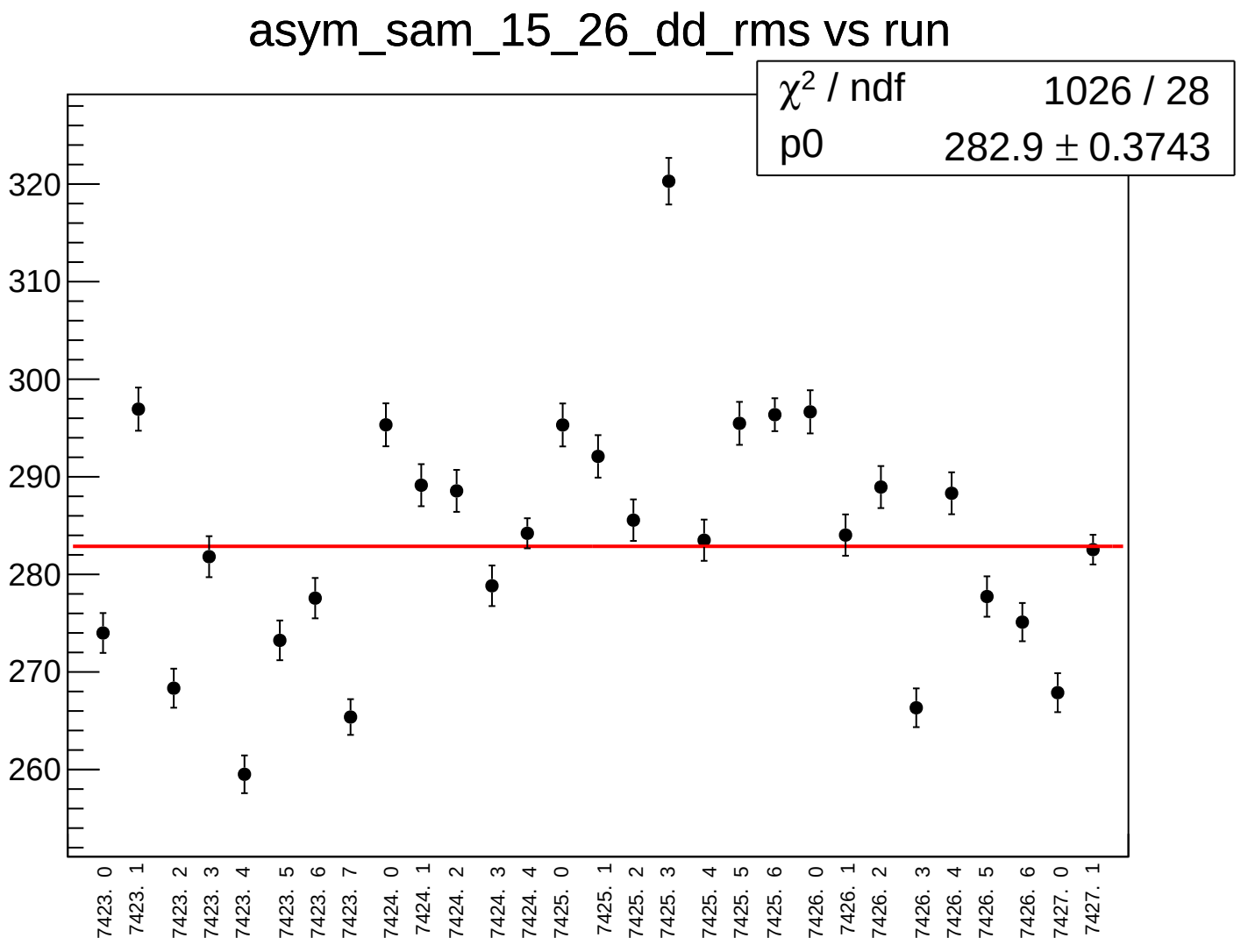

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 26.56 / 28
p0 −282.6 ± 536.9
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 24.12
Std Dev 11.12
1.5
1
0.5
0
−0.5
−1
−1.5

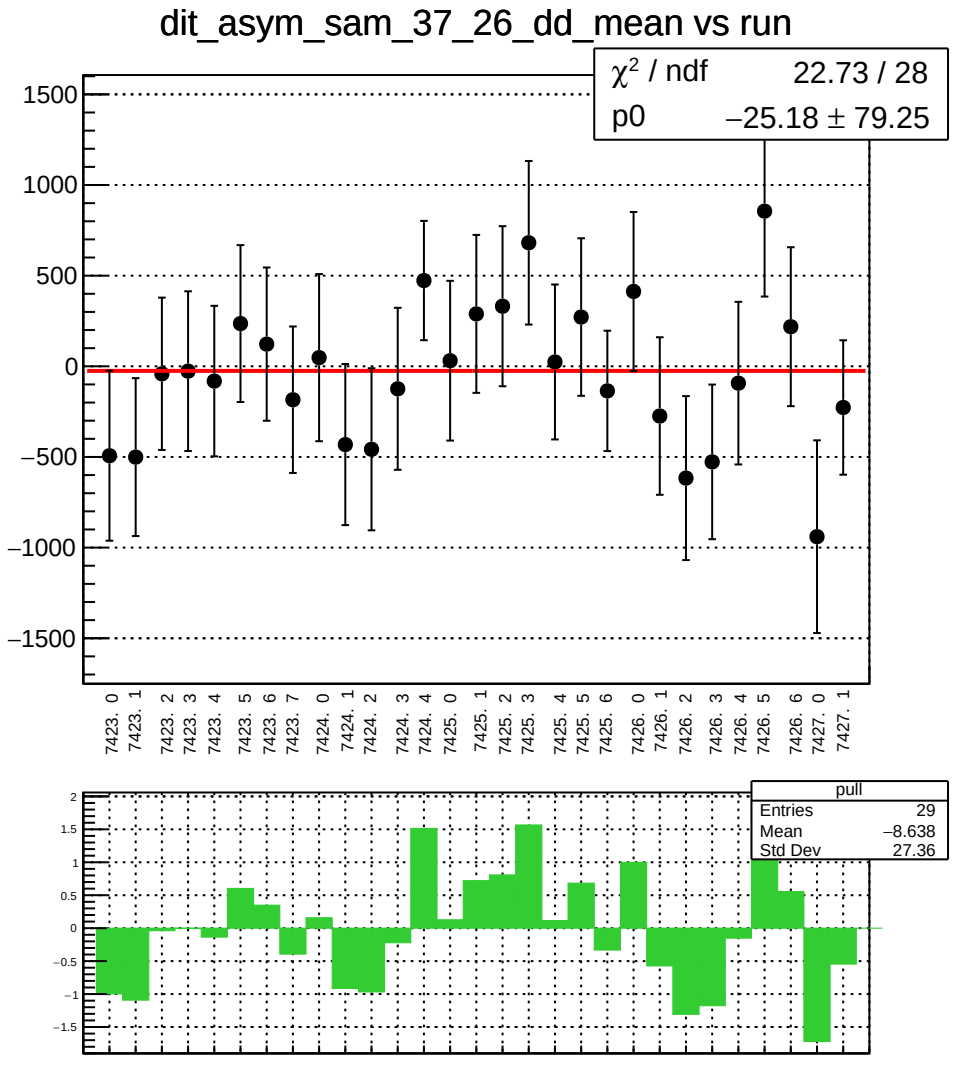

pull1D
Entries 29
Mean 0.03755
Std Dev 0.9563
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

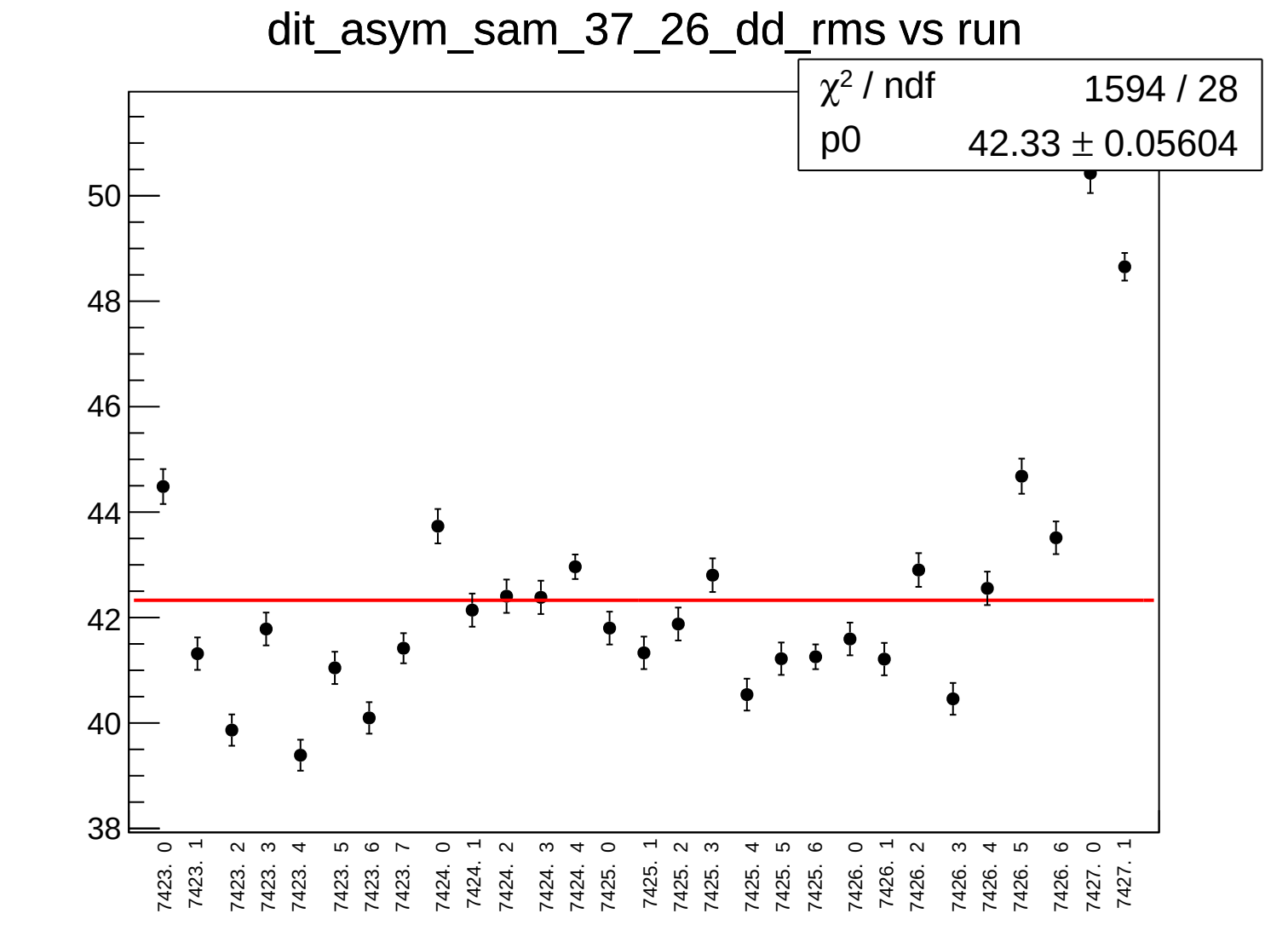

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 838.4 / 28
p0 287 ± 0.3796
310
300
290
280
270
260
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

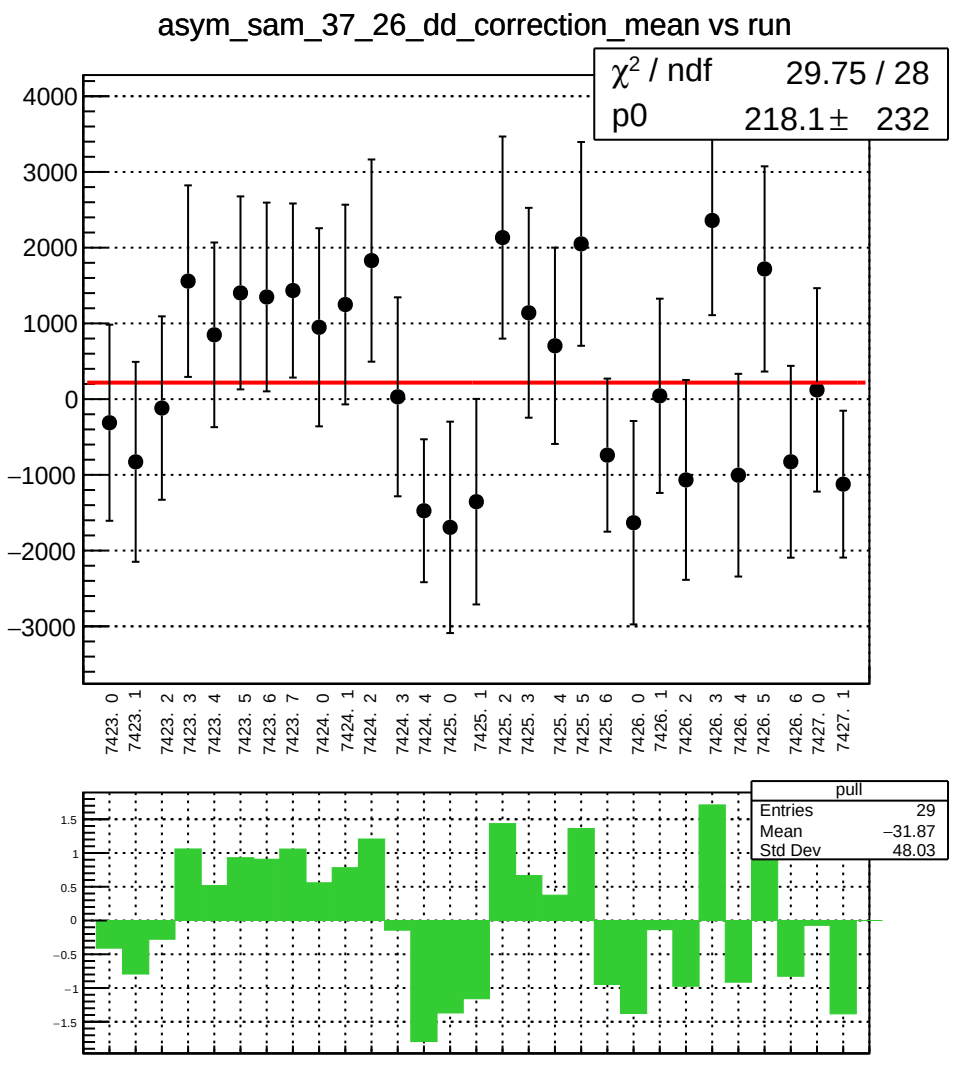

asym_sam_15_26_dd_mean vs run
χ² / ndf 25.46 / 28
p0 278.5 ± 529.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 26.62
Std Dev 10.76
1.5
1
0.5
0
−0.5
−1
−1.5
−2

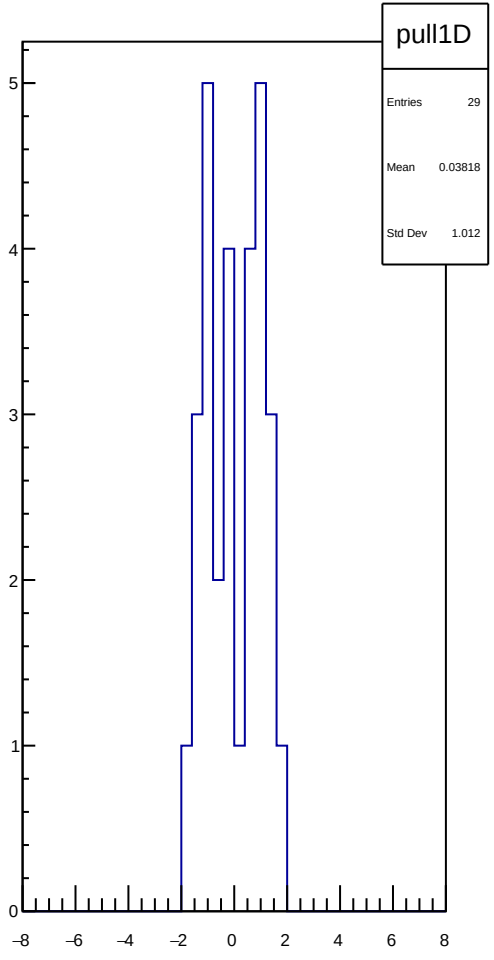

pull1D
Entries 29
Mean −0.03534
Std Dev 0.9363
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

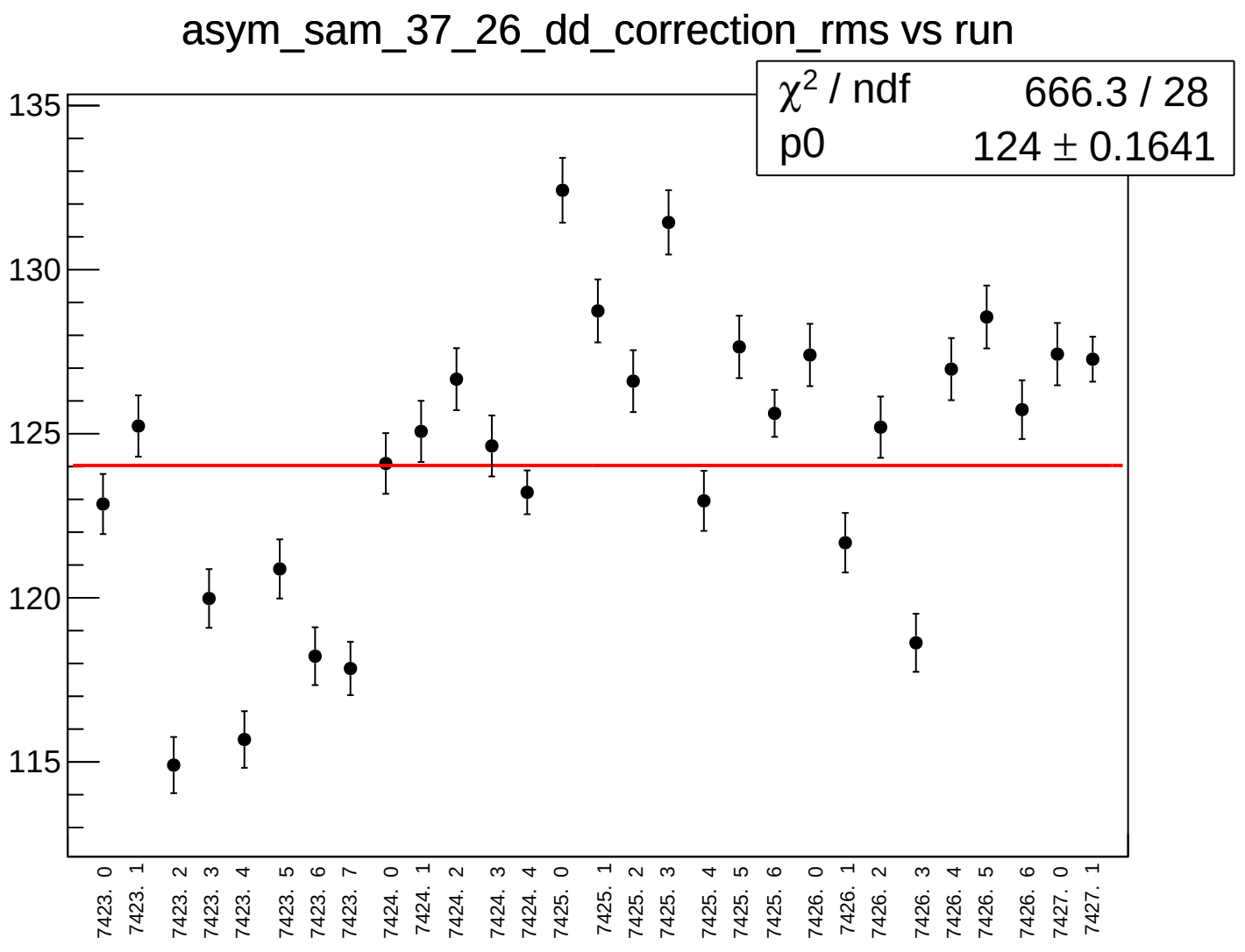

asym_sam_15_26_dd_rms vs run
χ² / ndf 1026 / 28
p0 282.9 ± 0.3743
320
310
300
290
280
270
260
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

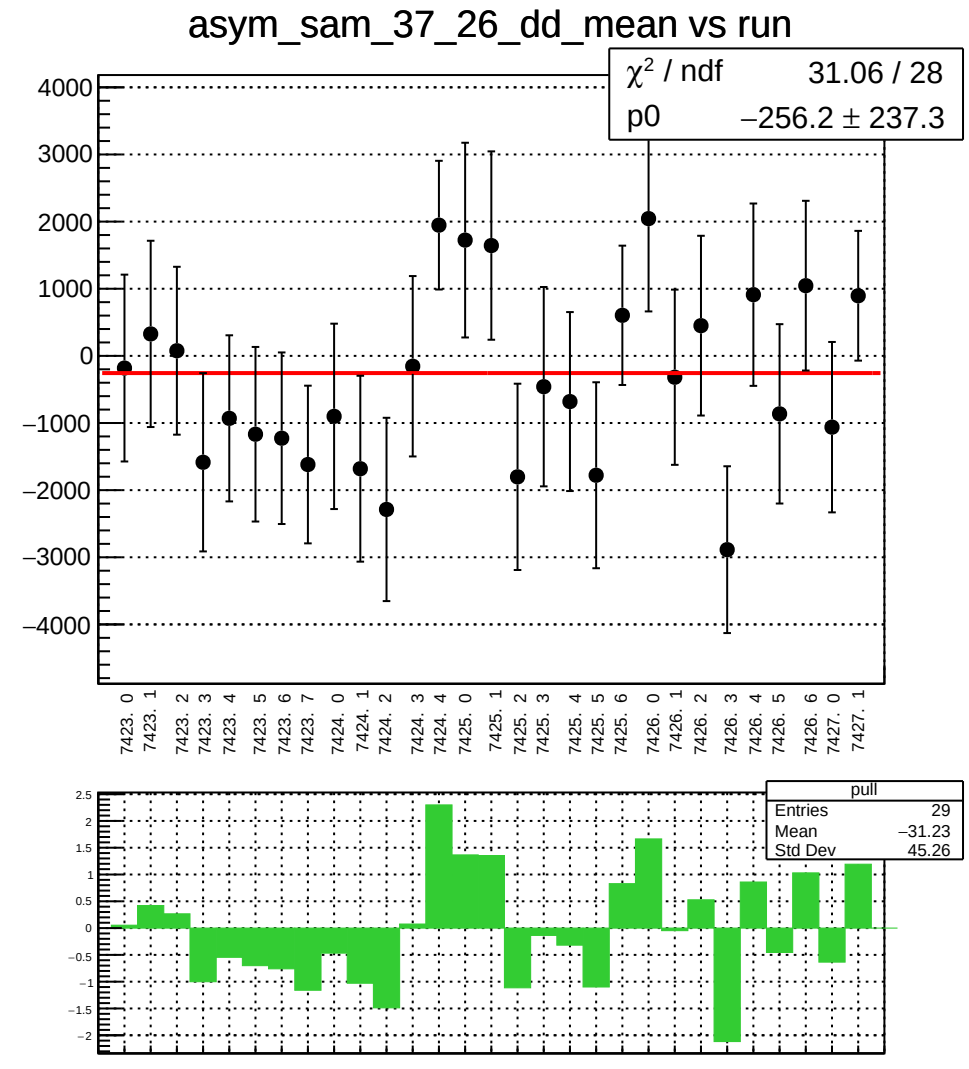

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 22.73 / 28
p0 −25.18 ± 79.25
1500
1000
500
0
−500
−1000
−1500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −8.638
Std Dev 27.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.01726
Std Dev 0.8852
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

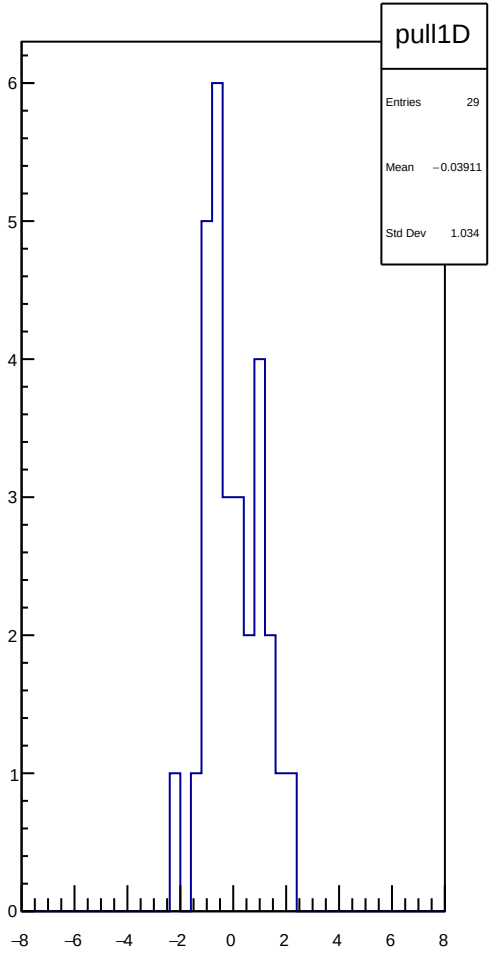

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1594 / 28
p0 42.33 ± 0.05604
50
48
46
44
42
40
38
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

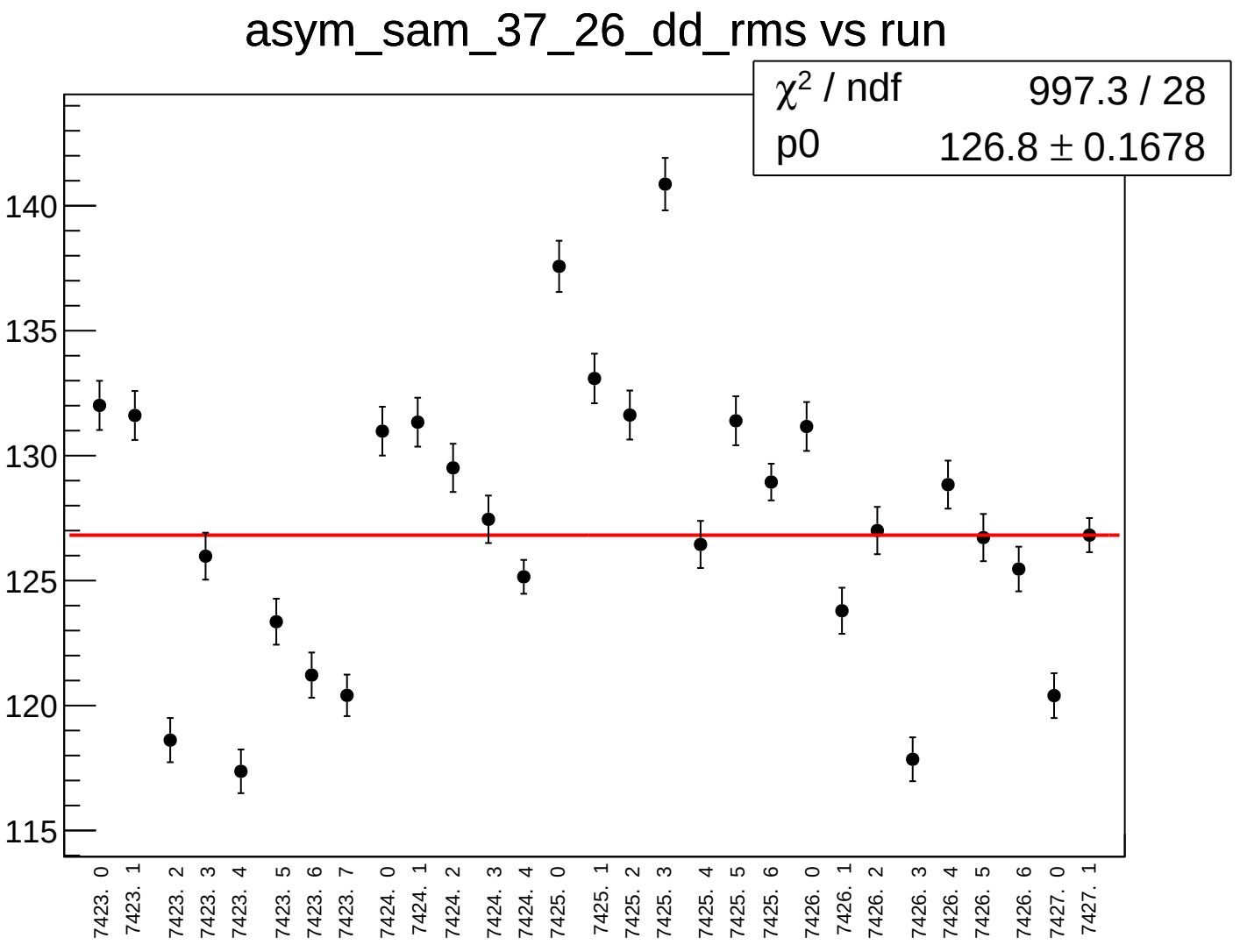

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 29.75 / 28
p0 218.1 ± 232
4000
3000
2000
1000
0
−1000
−2000
−3000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −31.87
Std Dev 48.03
1.5
1
0.5
0
−0.5
−1
−1.5

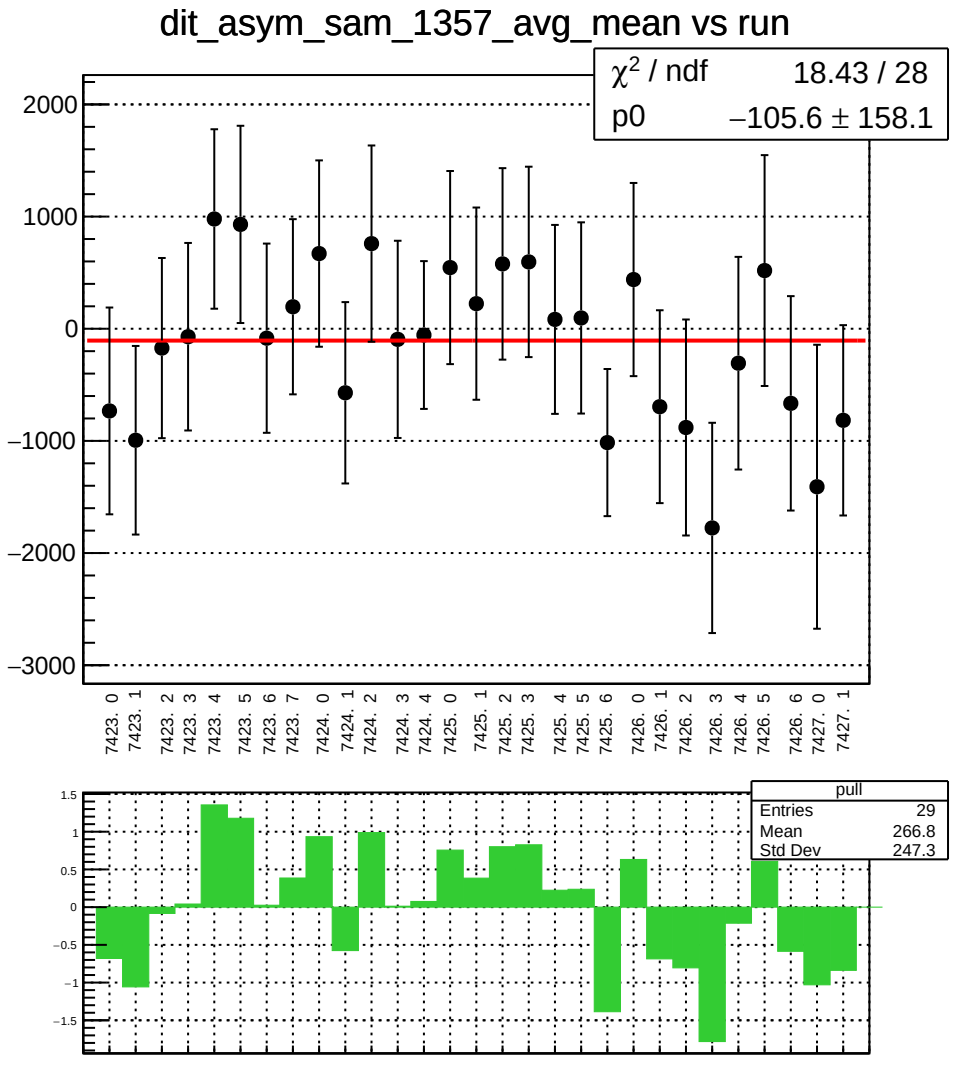

pull1D
Entries 29
Mean 0.03818
Std Dev 1.012
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

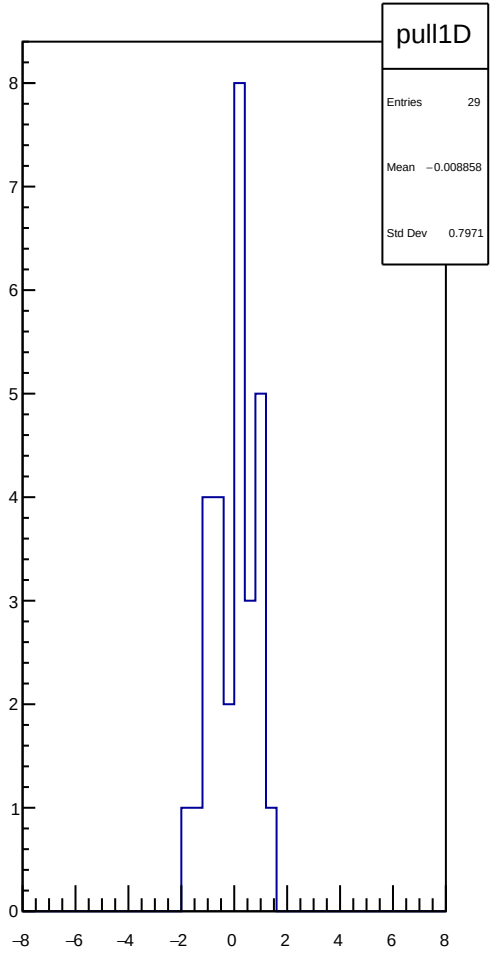

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 666.3 / 28
p0 124 ± 0.1641
135
130
125
120
115
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

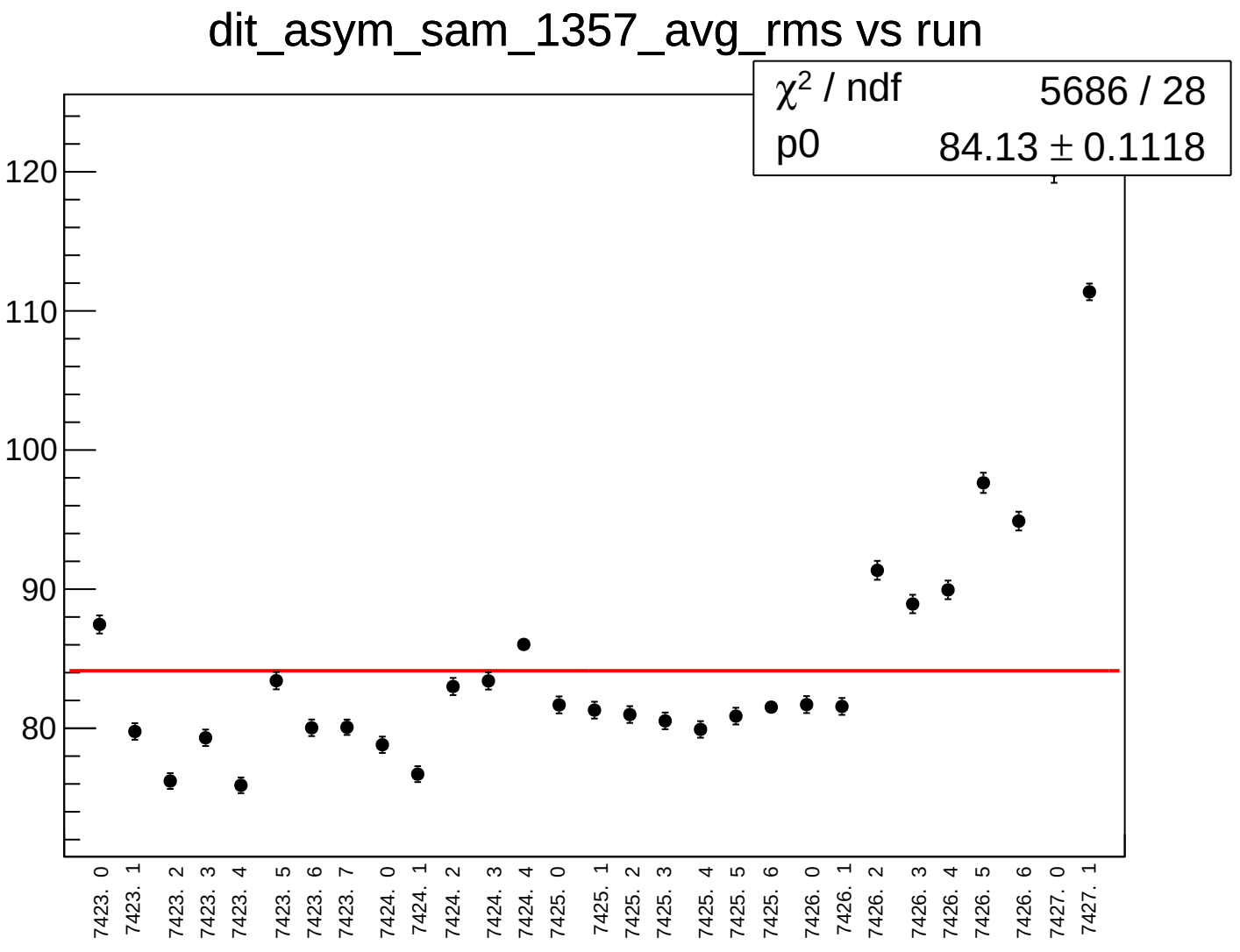

asym_sam_37_26_dd_mean vs run
χ² / ndf 31.06 / 28
p0 −256.2 ± 237.3
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −31.23
Std Dev 45.26
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

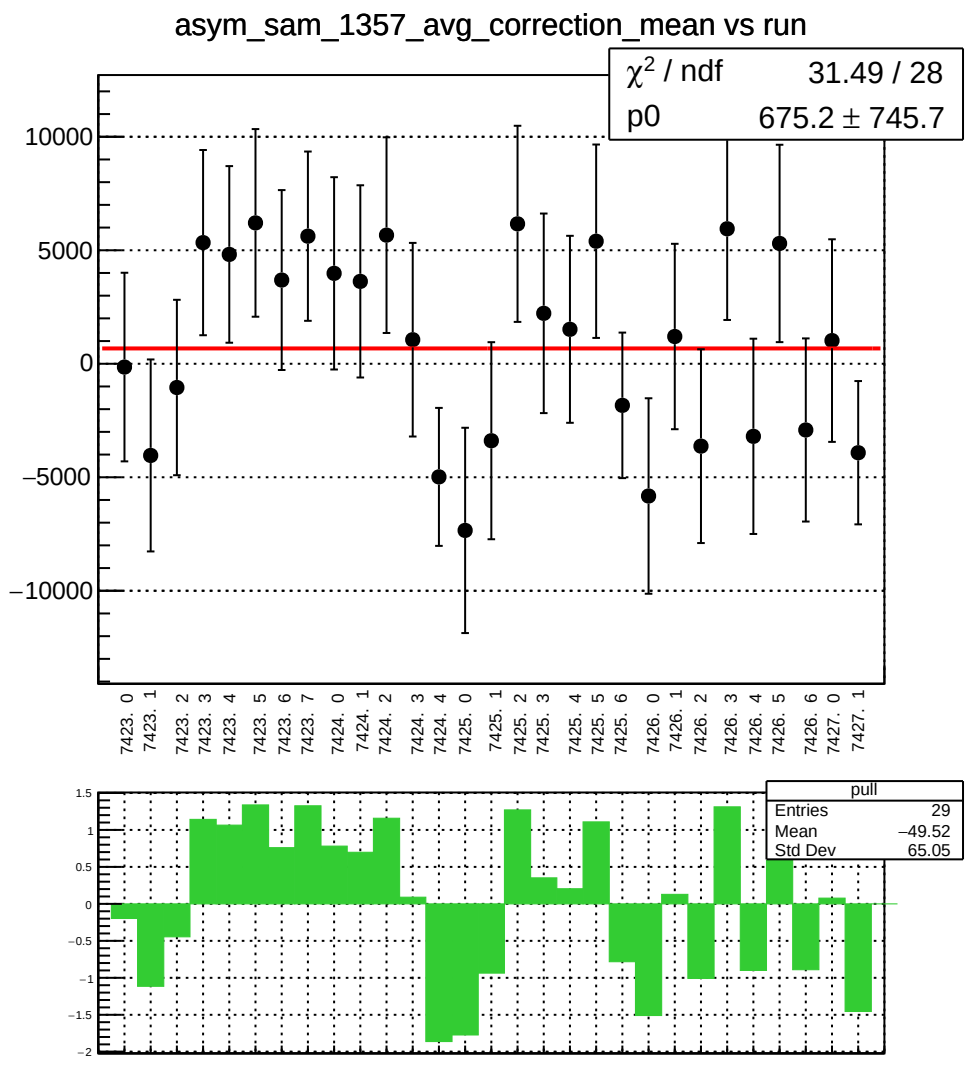

pull1D
Entries 29
Mean −0.03911
Std Dev 1.034
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

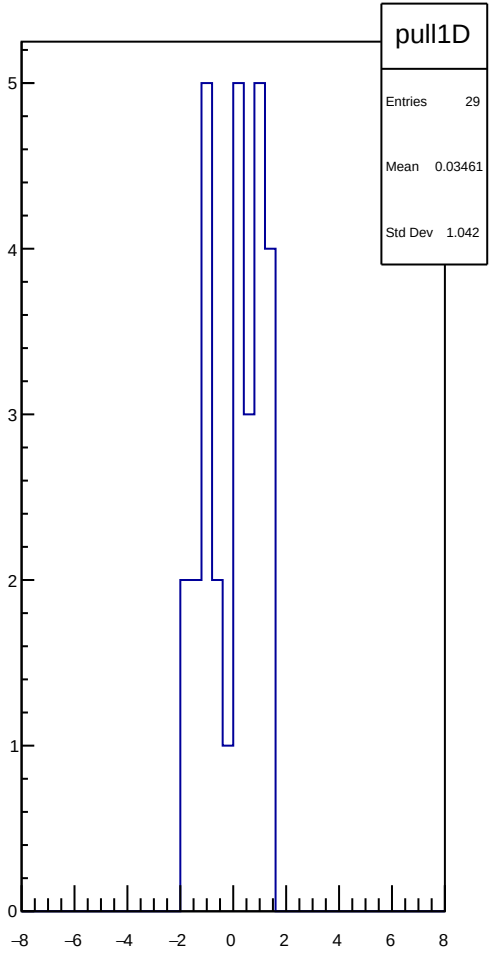

asym_sam_37_26_dd_rms vs run
χ² / ndf 997.3 / 28
p0 126.8 ± 0.1678
140
135
130
125
120
115
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

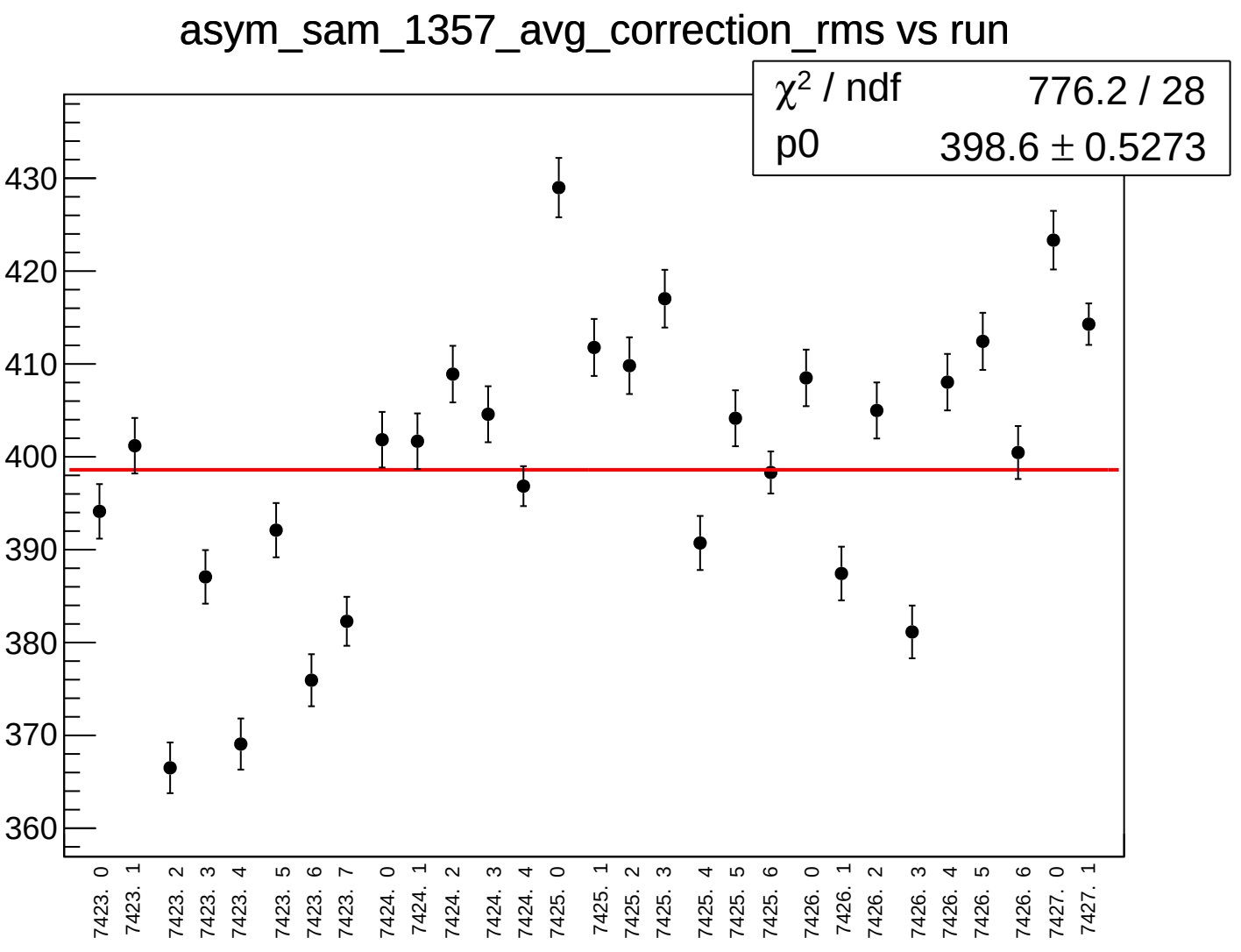

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 18.43 / 28
p0 −105.6 ± 158.1
2000
1000
0
−1000
−2000
−3000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 266.8
Std Dev 247.3
1.5
1
0.5
0
−0.5
−1
−1.5

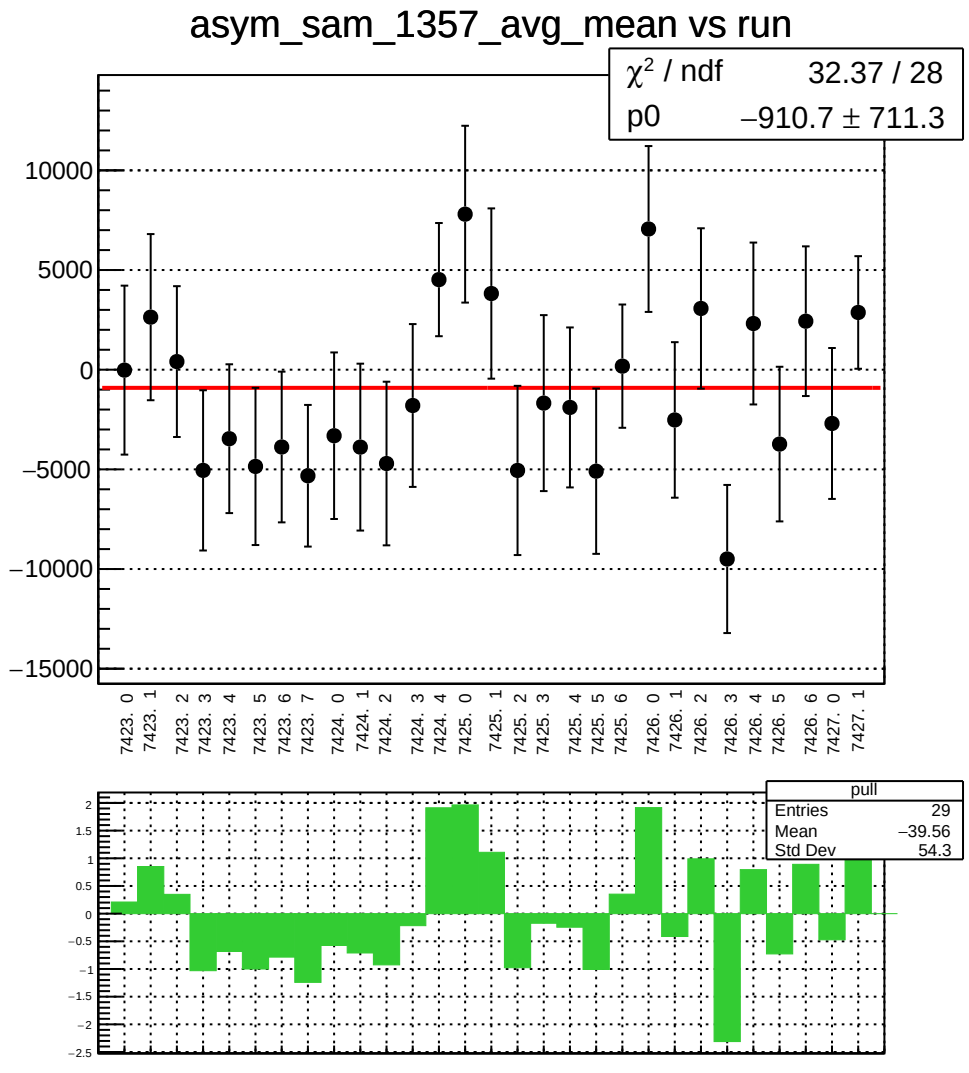

pull1D
Entries 29
Mean −0.008858
Std Dev 0.7971
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

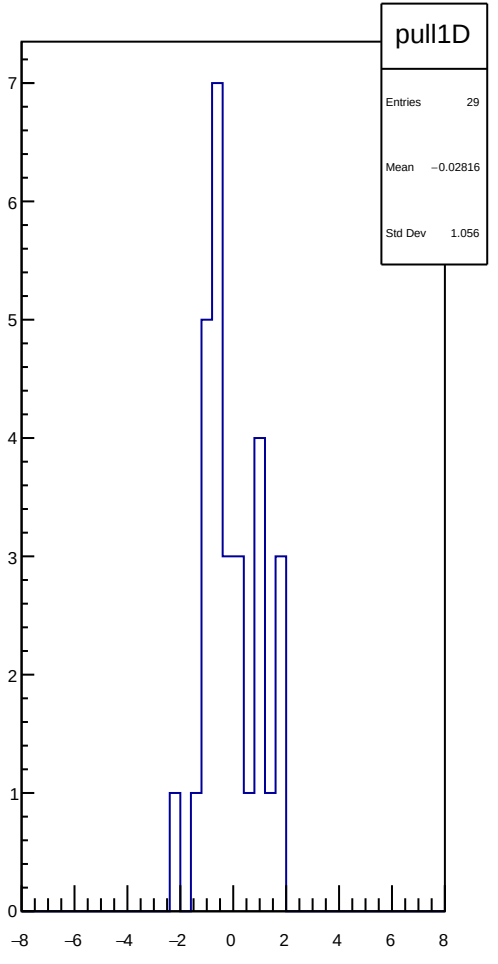

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 5686 / 28
p0 84.13 ± 0.1118
120
110
100
90
80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

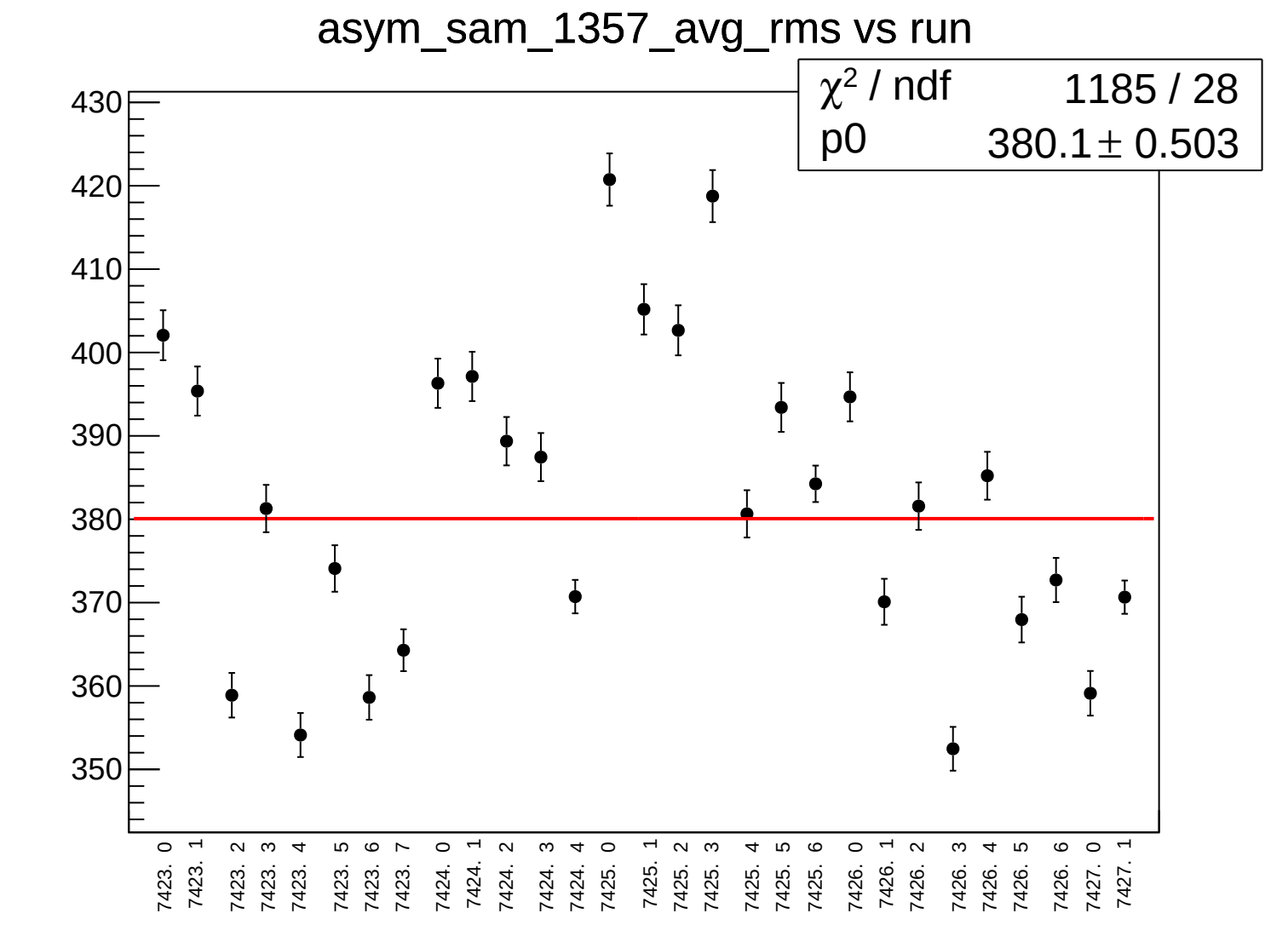

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 31.49 / 28
p0 675.2 ± 745.7
10000
5000
0
−5000
−10000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −49.52
Std Dev 65.05
1.5
1
0.5
0
−0.5
−1
−1.5
−2

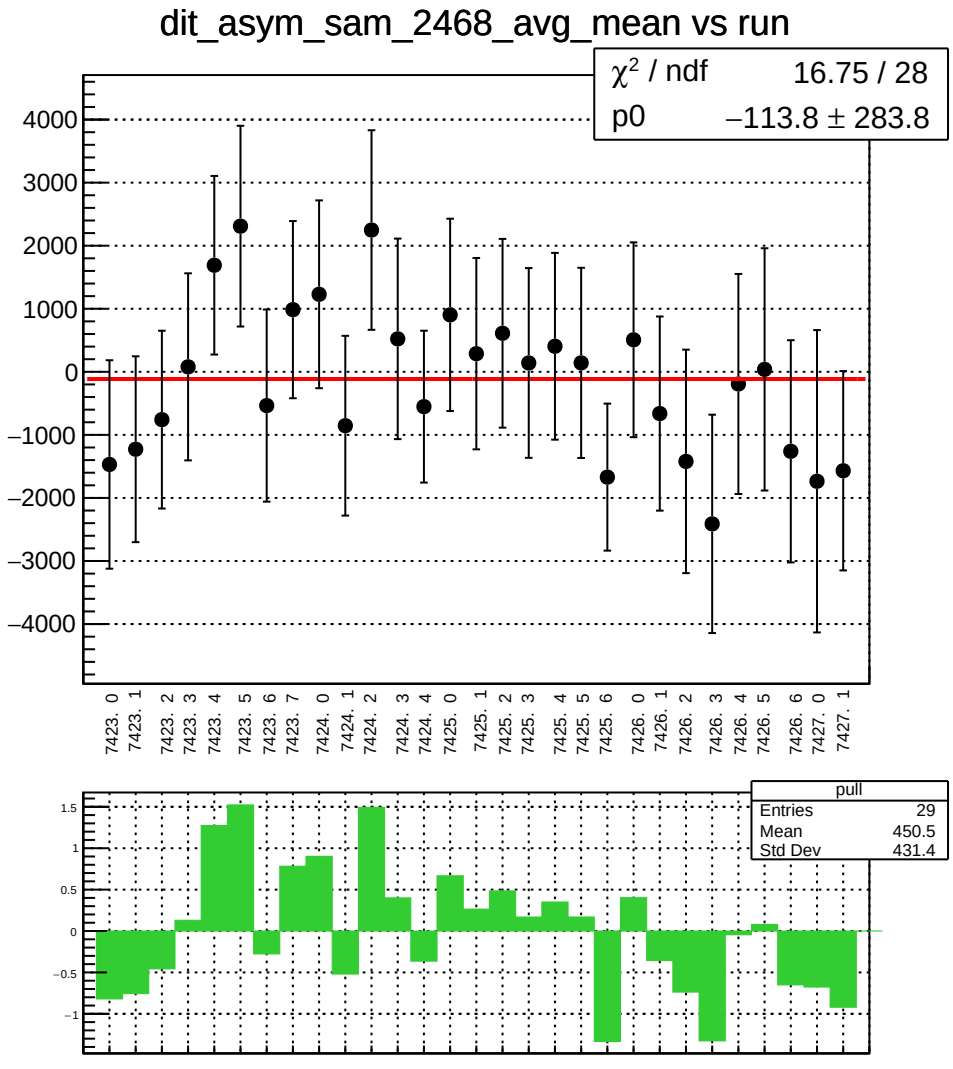

pull1D
Entries 29
Mean 0.03461
Std Dev 1.042
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

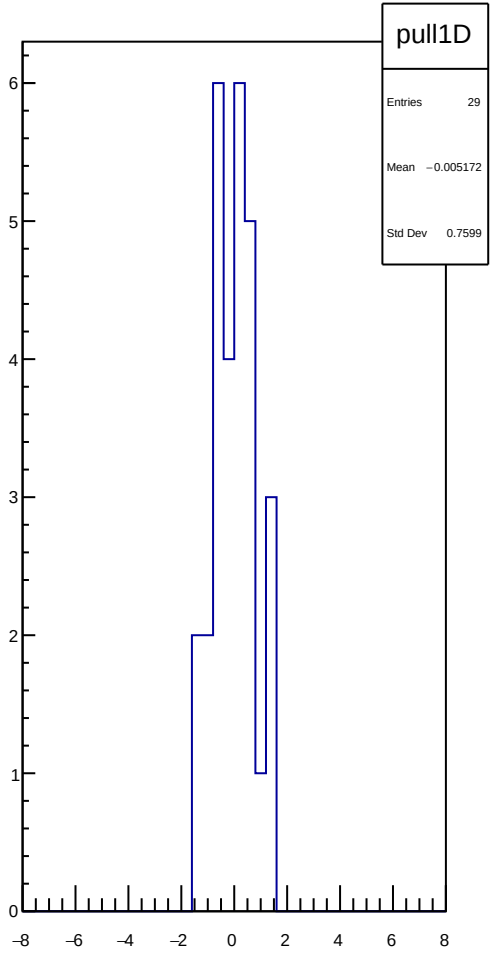

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 776.2 / 28
p0 398.6 ± 0.5273
430
420
410
400
390
380
370
360
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

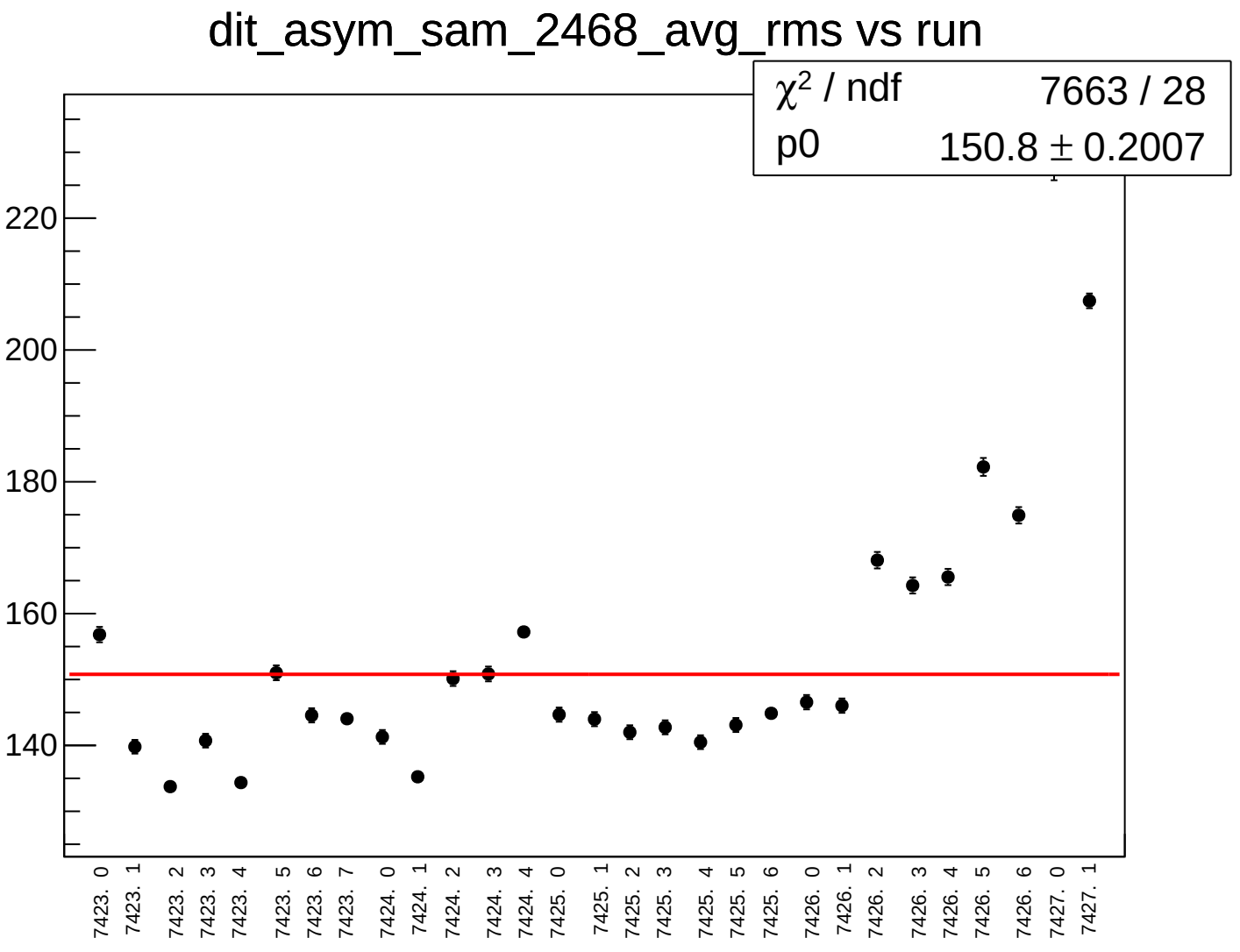

asym_sam_1357_avg_mean vs run
χ² / ndf 32.37 / 28
p0 −910.7 ± 711.3
10000
5000
0
−5000
−10000
−15000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −39.56
Std Dev 54.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

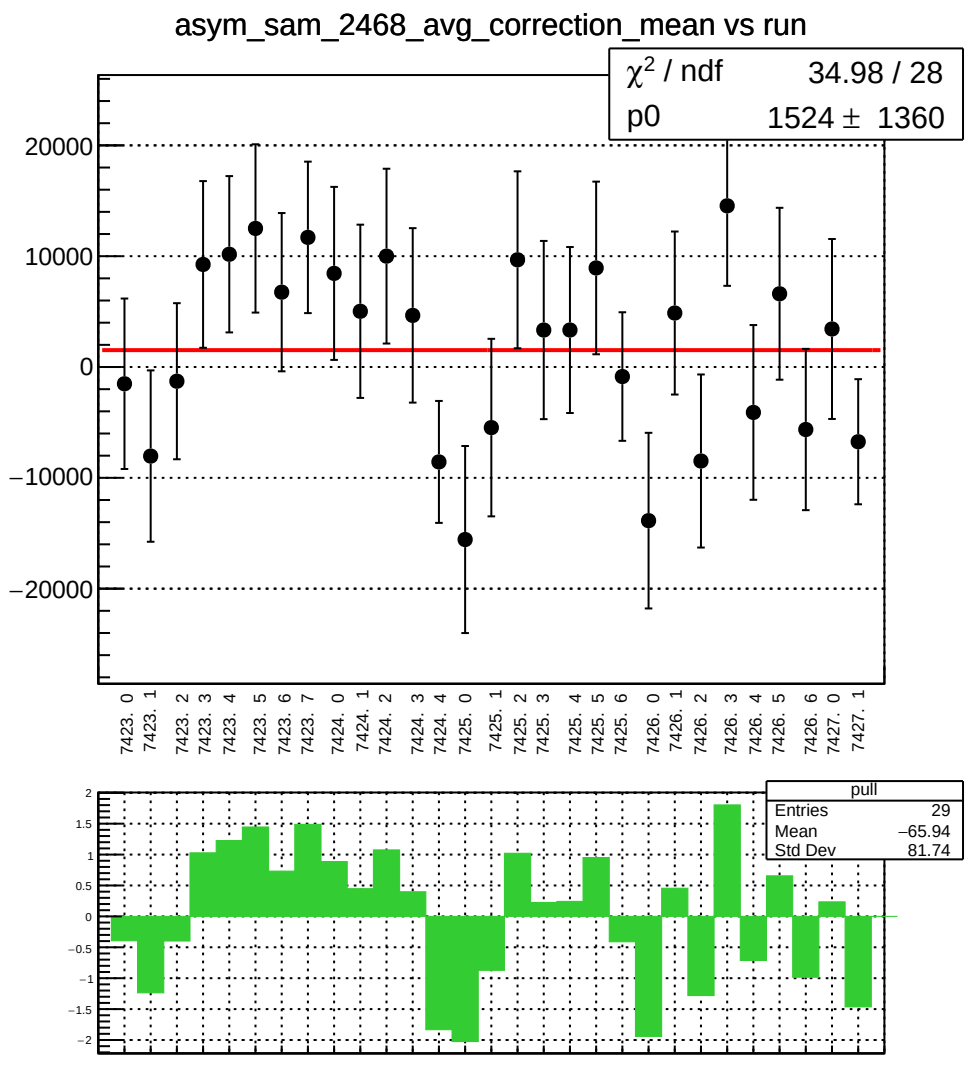

pull1D
Entries 29
Mean −0.02816
Std Dev 1.056
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

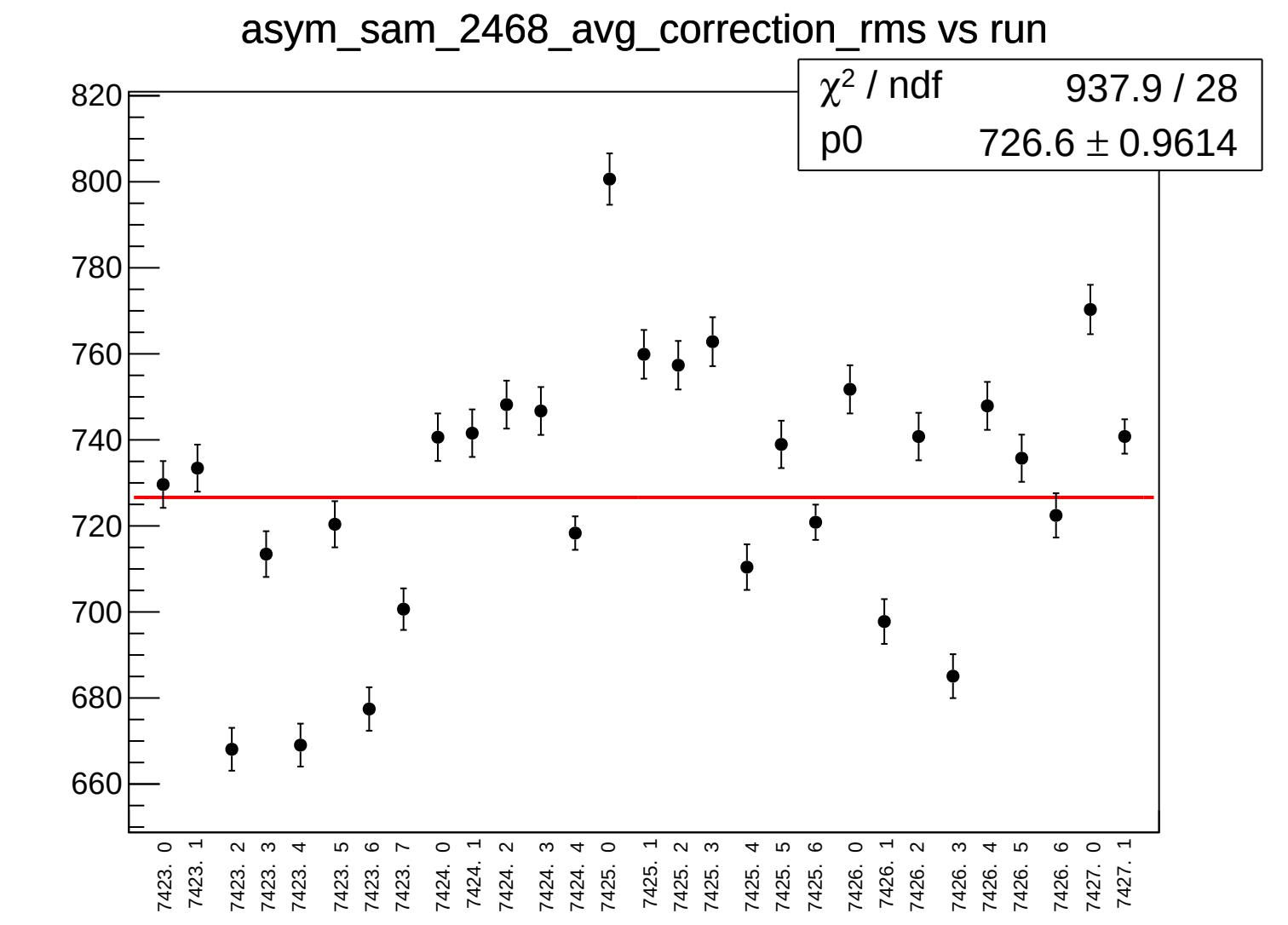

asym_sam_1357_avg_rms vs run
χ² / ndf 1185 / 28
p0 380.1 ± 0.503
430
420
410
400
390
380
370
360
350
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

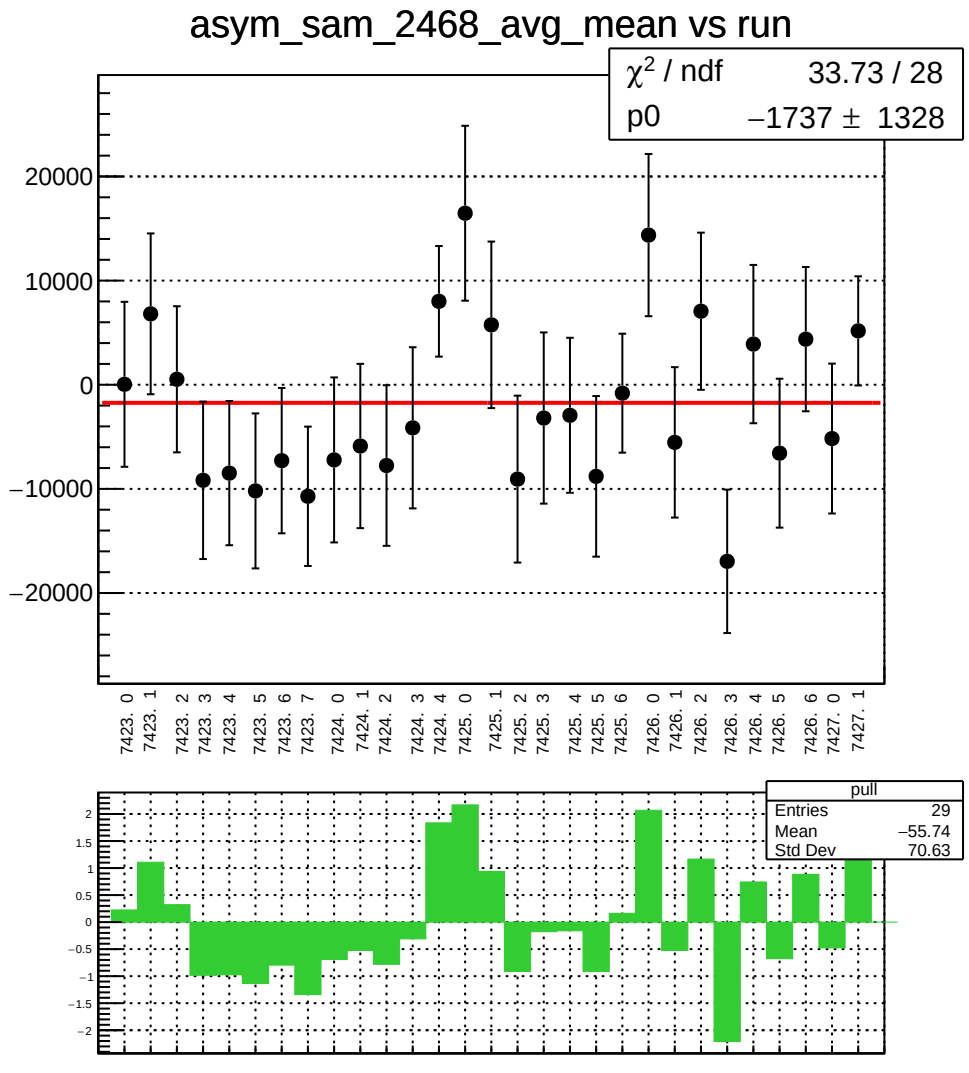

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 16.75 / 28
p0 −113.8 ± 283.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 450.5
Std Dev 431.4
1.5
1
0.5
0
−0.5
−1

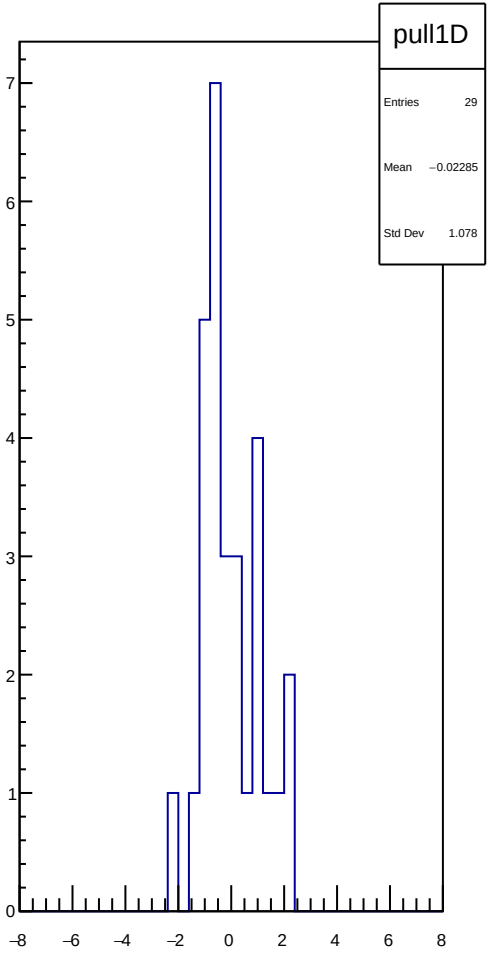

pull1D
Entries 29
Mean −0.005172
Std Dev 0.7599
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

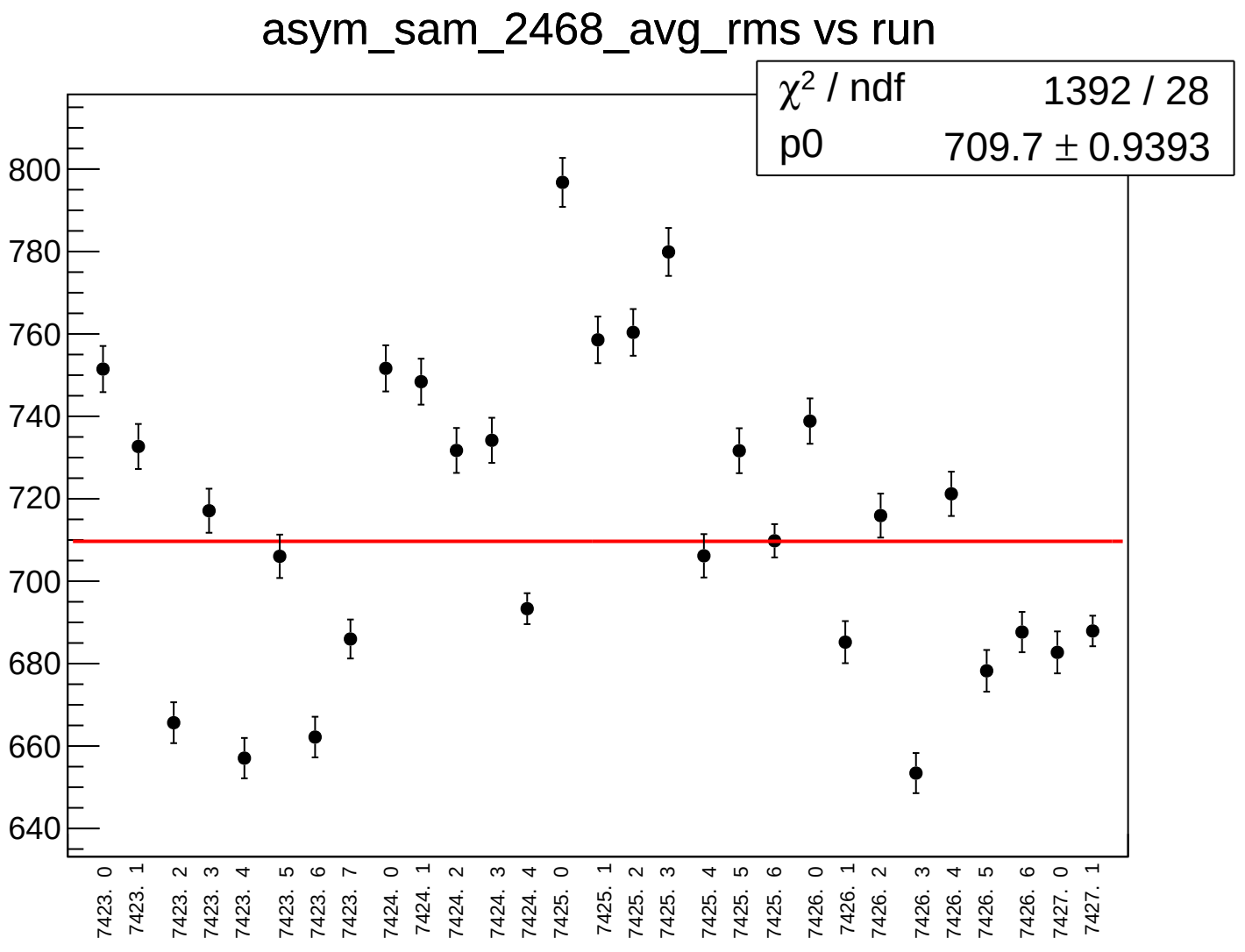

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 7663 / 28
p0 150.8 ± 0.2007
220
200
180
160
140
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

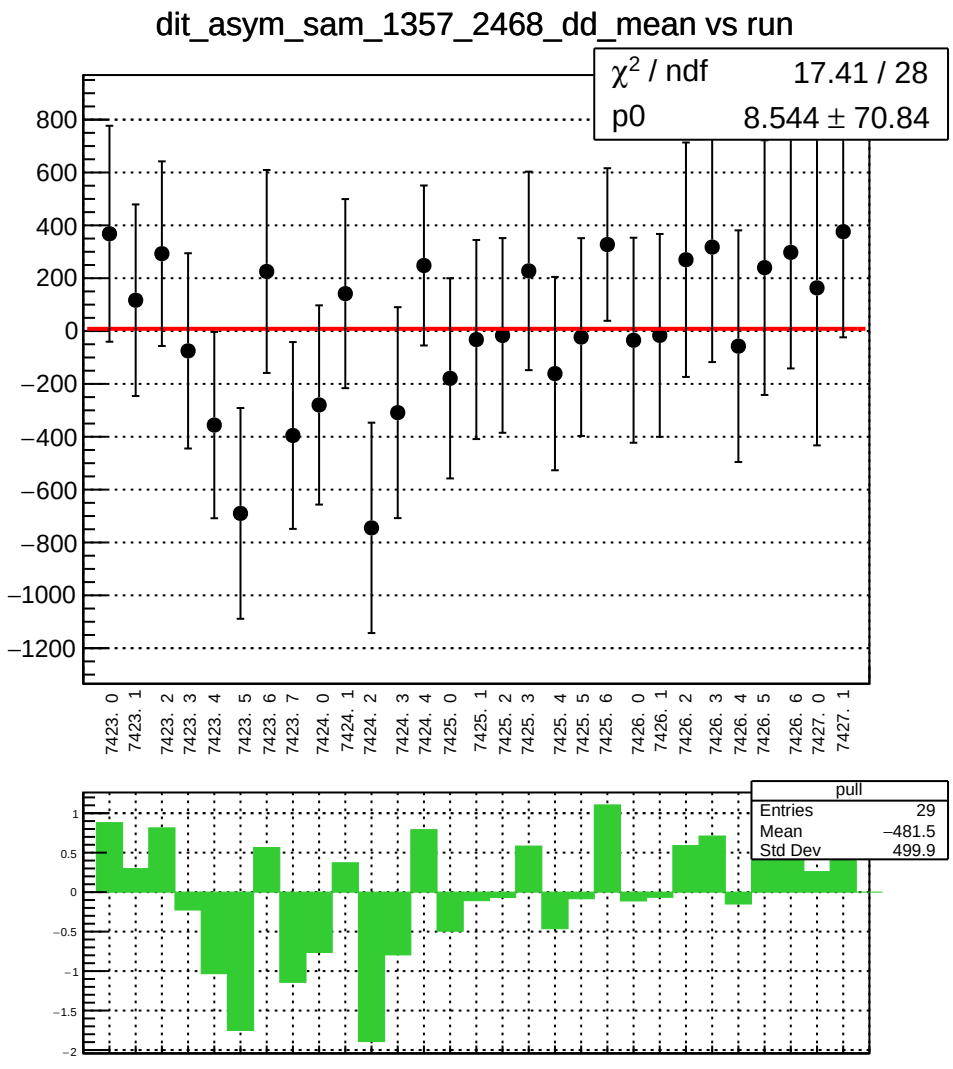

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 34.98 / 28
p0 1524 ± 1360
20000
10000
0
−10000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −65.94
Std Dev 81.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean 0.02639
Std Dev 1.098
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

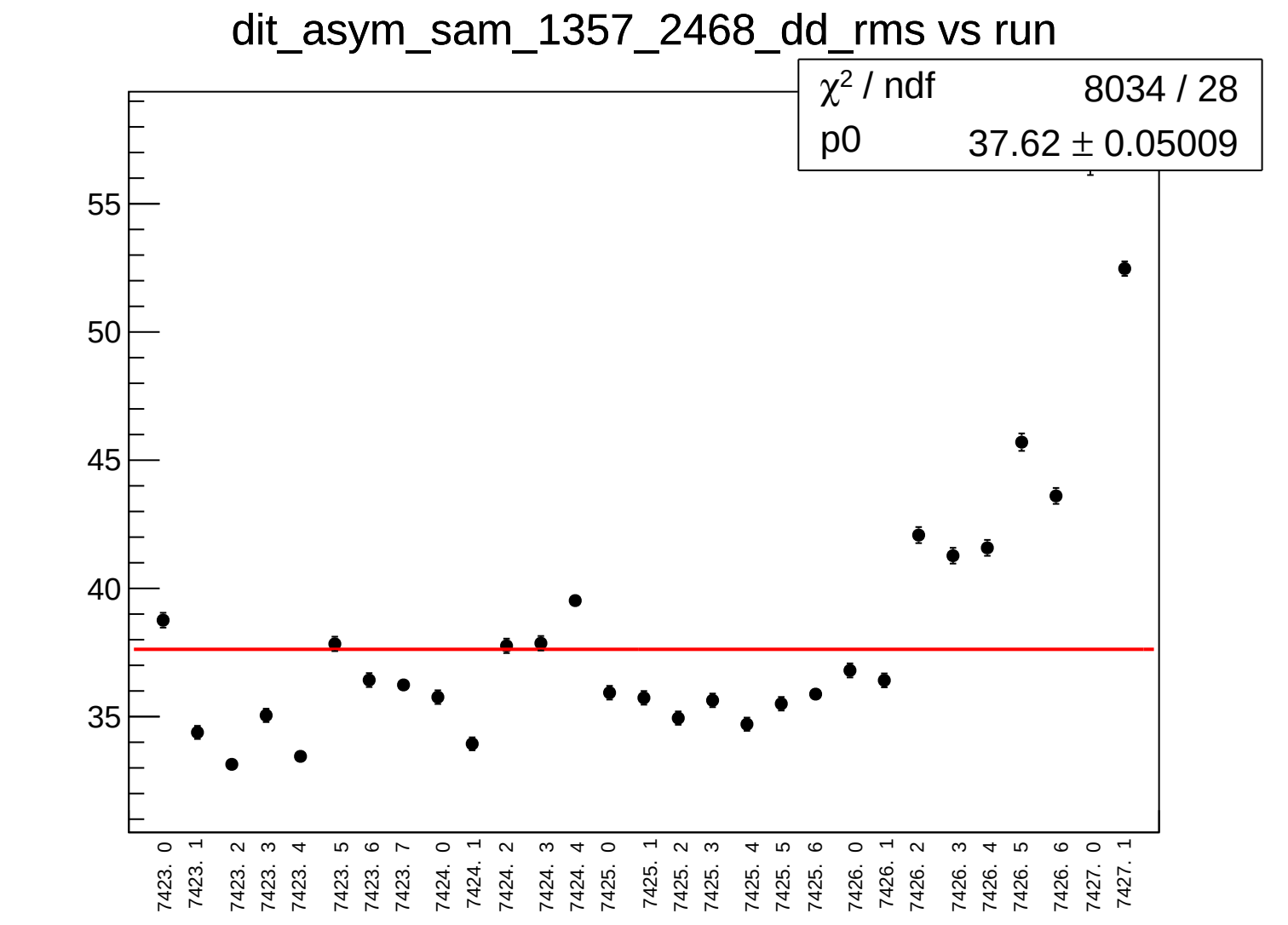

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 937.9 / 28
p0 726.6 ± 0.9614
820
800
780
760
740
720
700
680
660
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

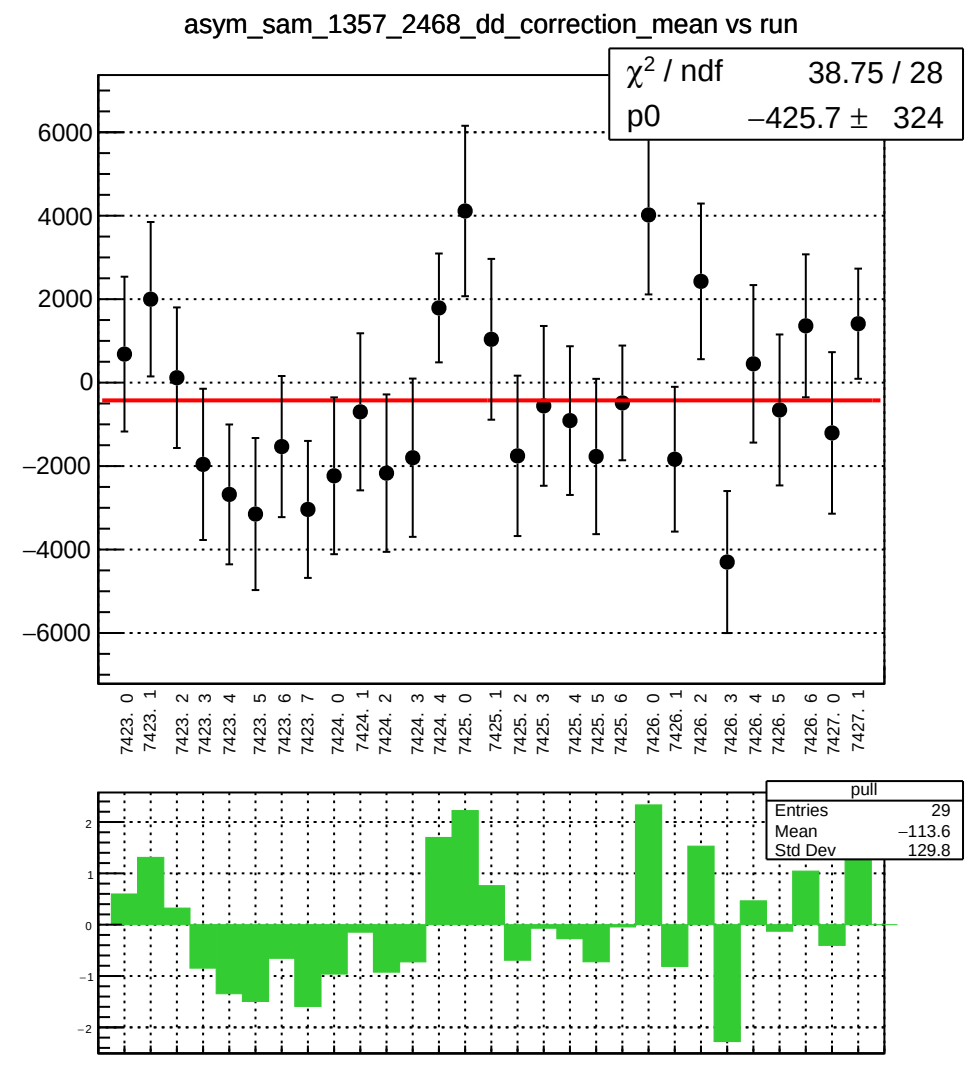

asym_sam_2468_avg_mean vs run
χ² / ndf 33.73 / 28
p0 −1737 ± 1328
20000
10000
0
−10000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −55.74
Std Dev 70.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

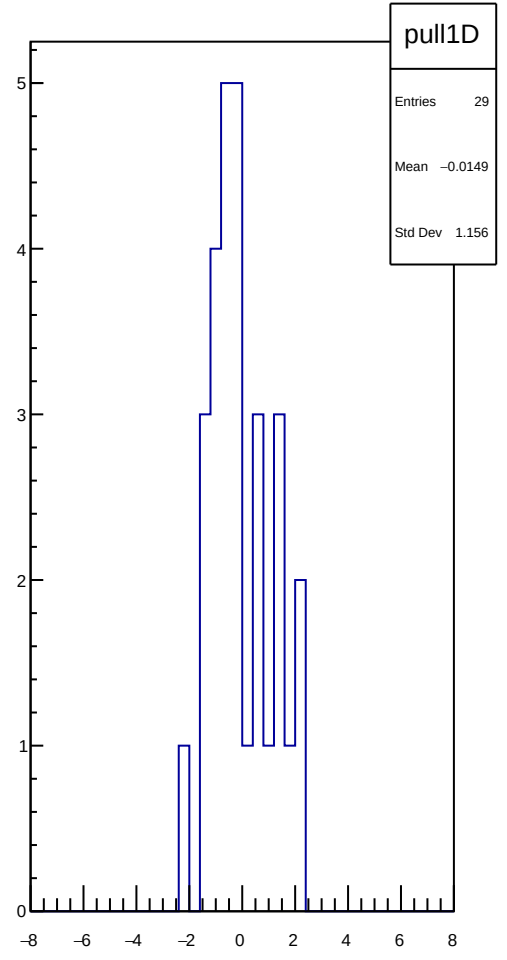

pull1D
Entries 29
Mean −0.02285
Std Dev 1.078
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

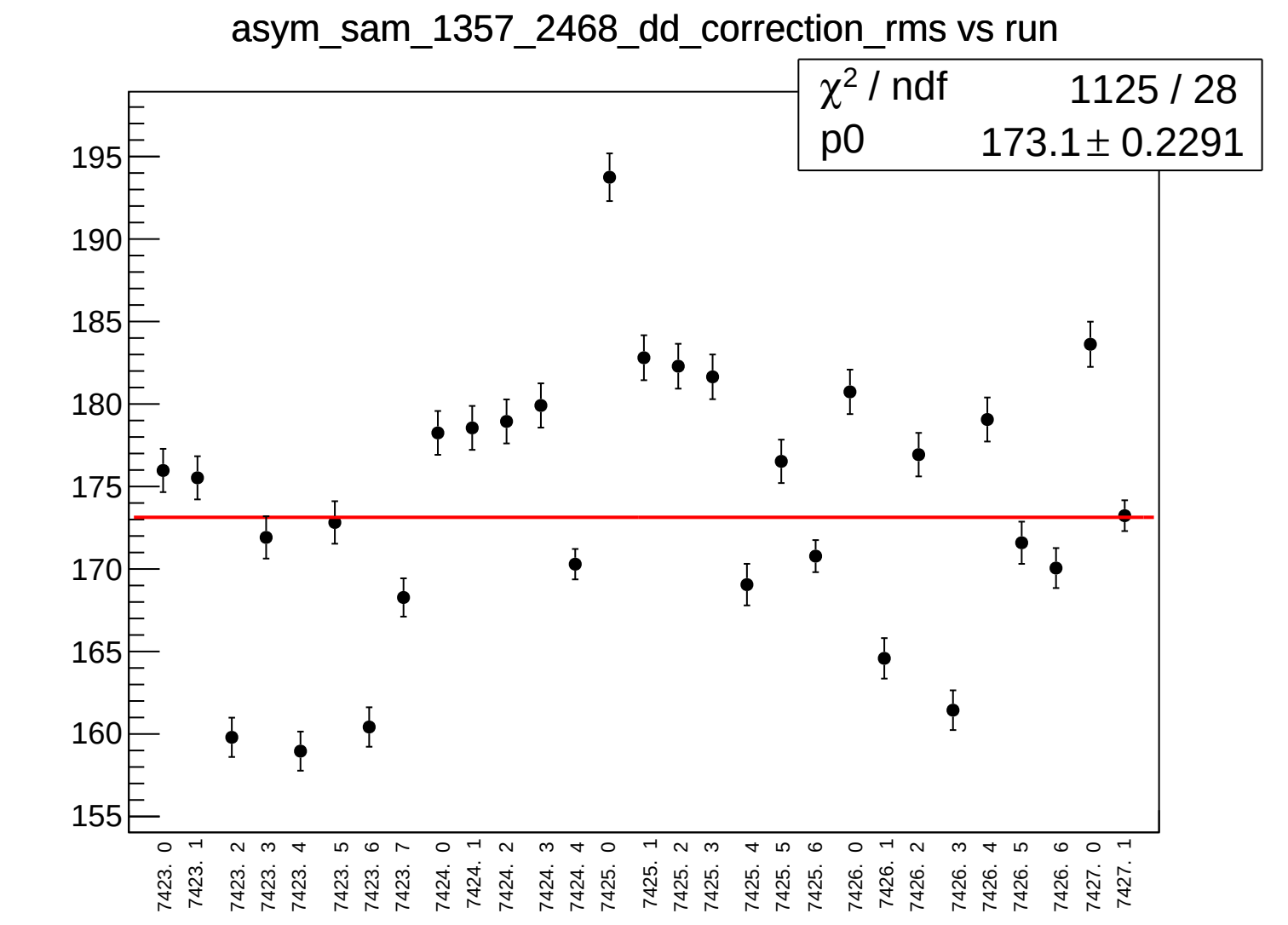

asym_sam_2468_avg_rms vs run
χ² / ndf 1392 / 28
p0 709.7 ± 0.9393
800
780
760
740
720
700
680
660
640
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

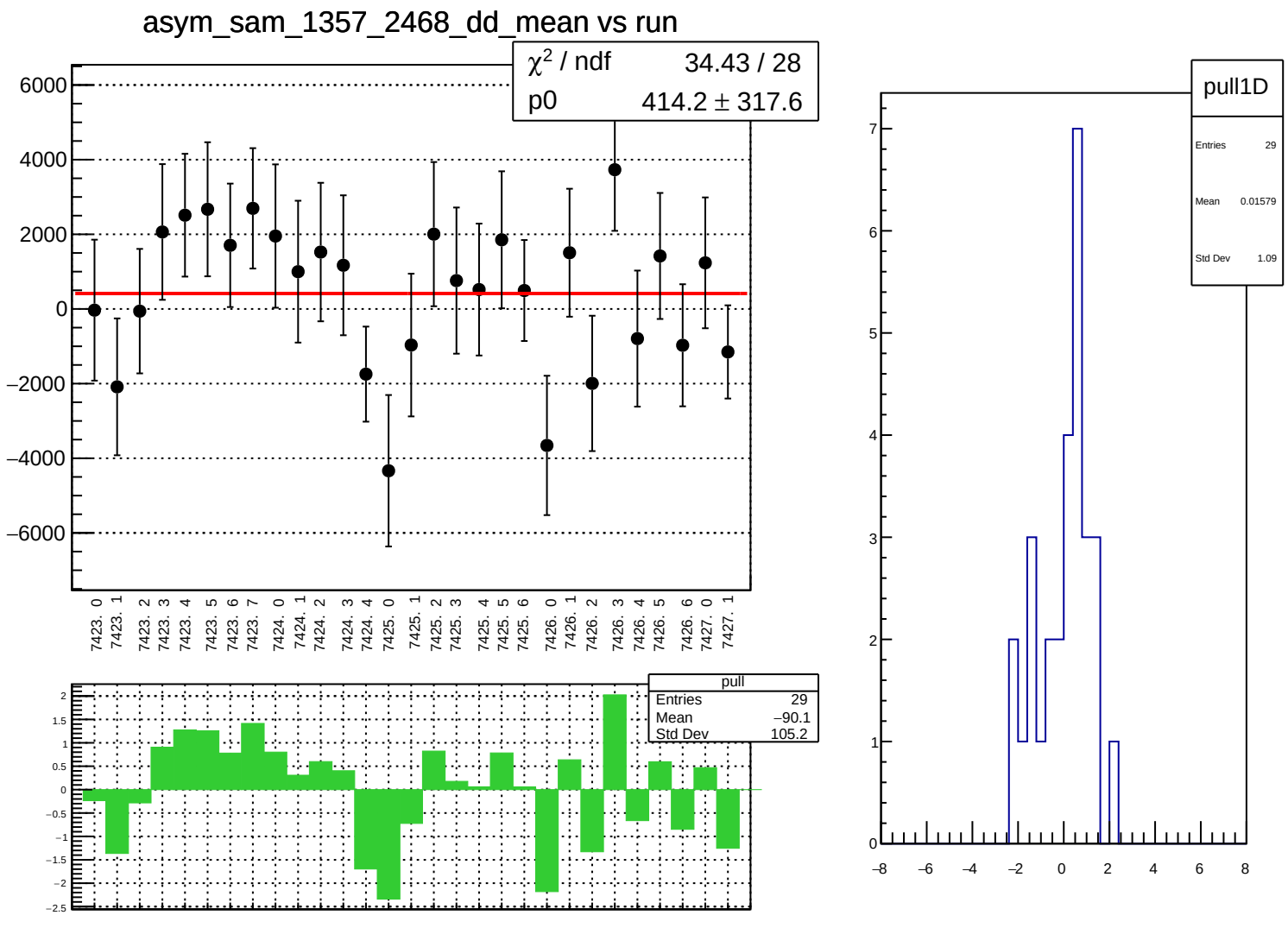

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 17.41 / 28
p0 8.544 ± 70.84
pull
Entries 29
Mean −481.5
Std Dev 499.9
pull1D
Entries 29
Mean −0.004206
Std Dev 0.7748

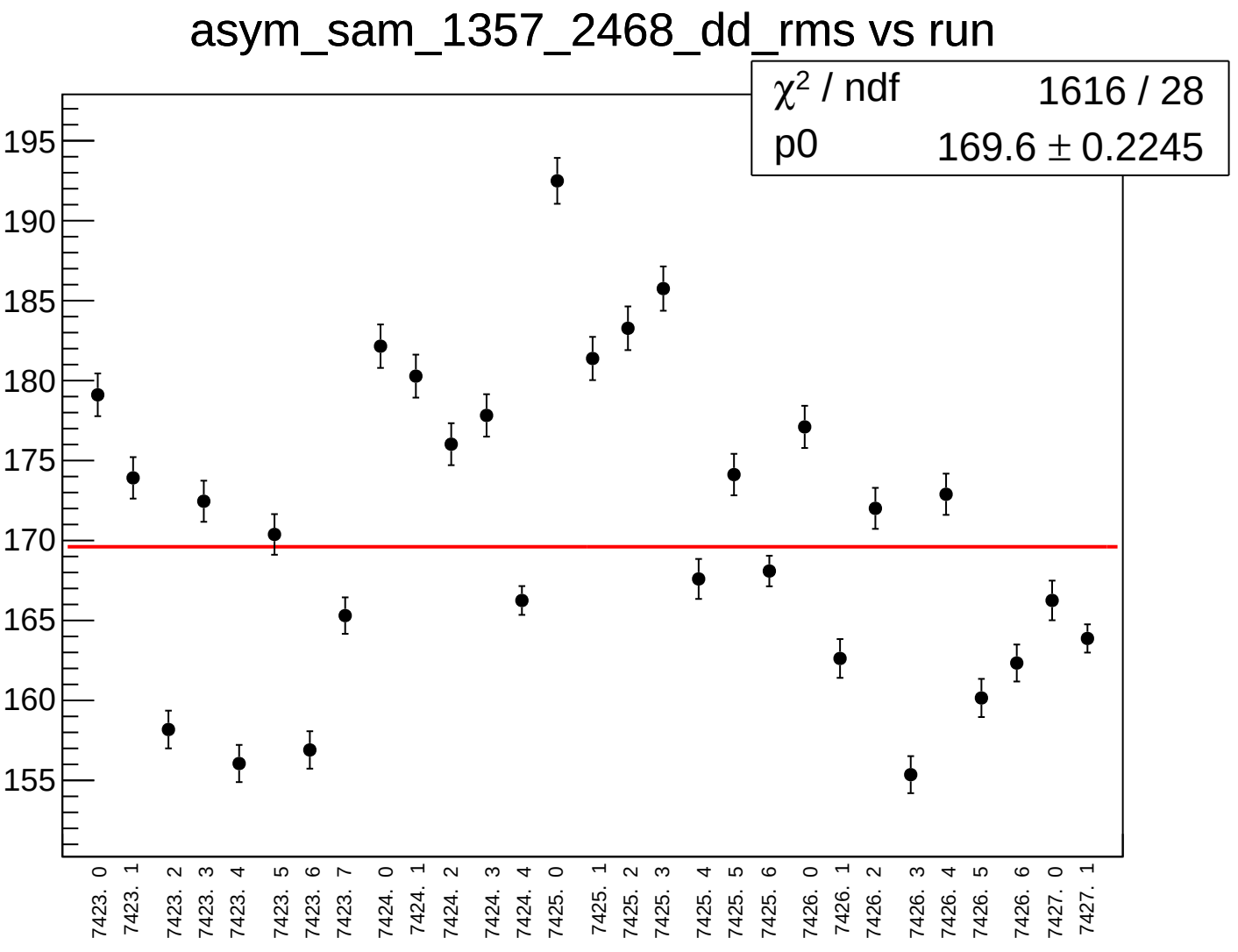

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 8034 / 28
p0 37.62 ± 0.05009
55
50
45
40
35
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

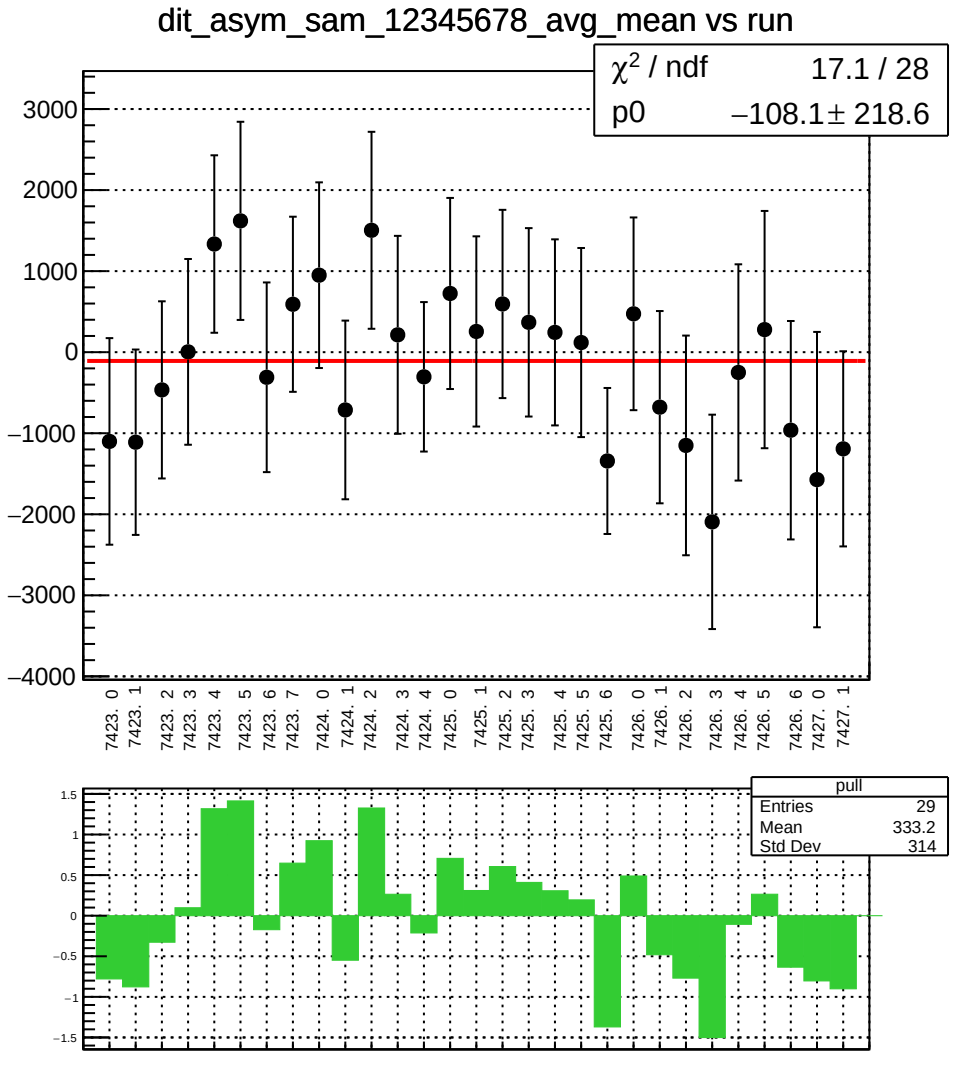

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 38.75 / 28
p0 −425.7 ± 324
6000
4000
2000
0
−2000
−4000
−6000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −113.6
Std Dev 129.8
2
1
0
−1
−2

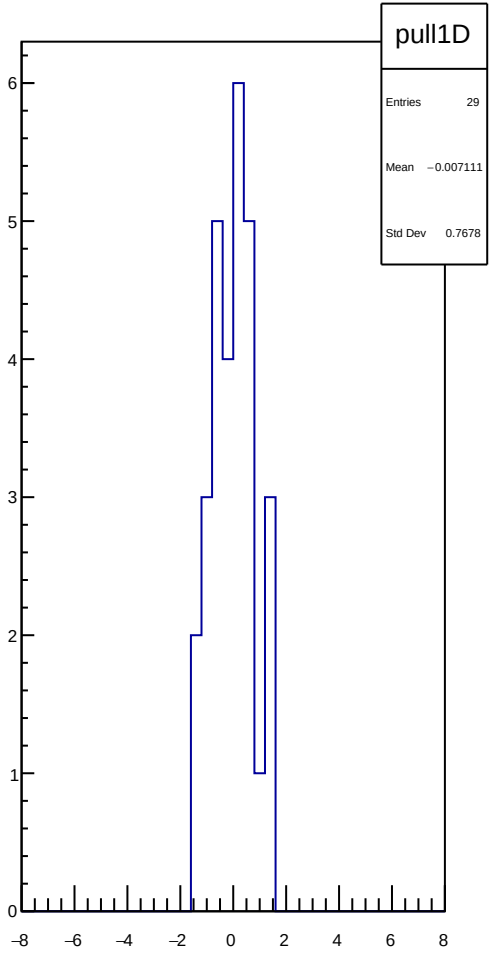

pull1D
Entries 29
Mean −0.0149
Std Dev 1.156
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

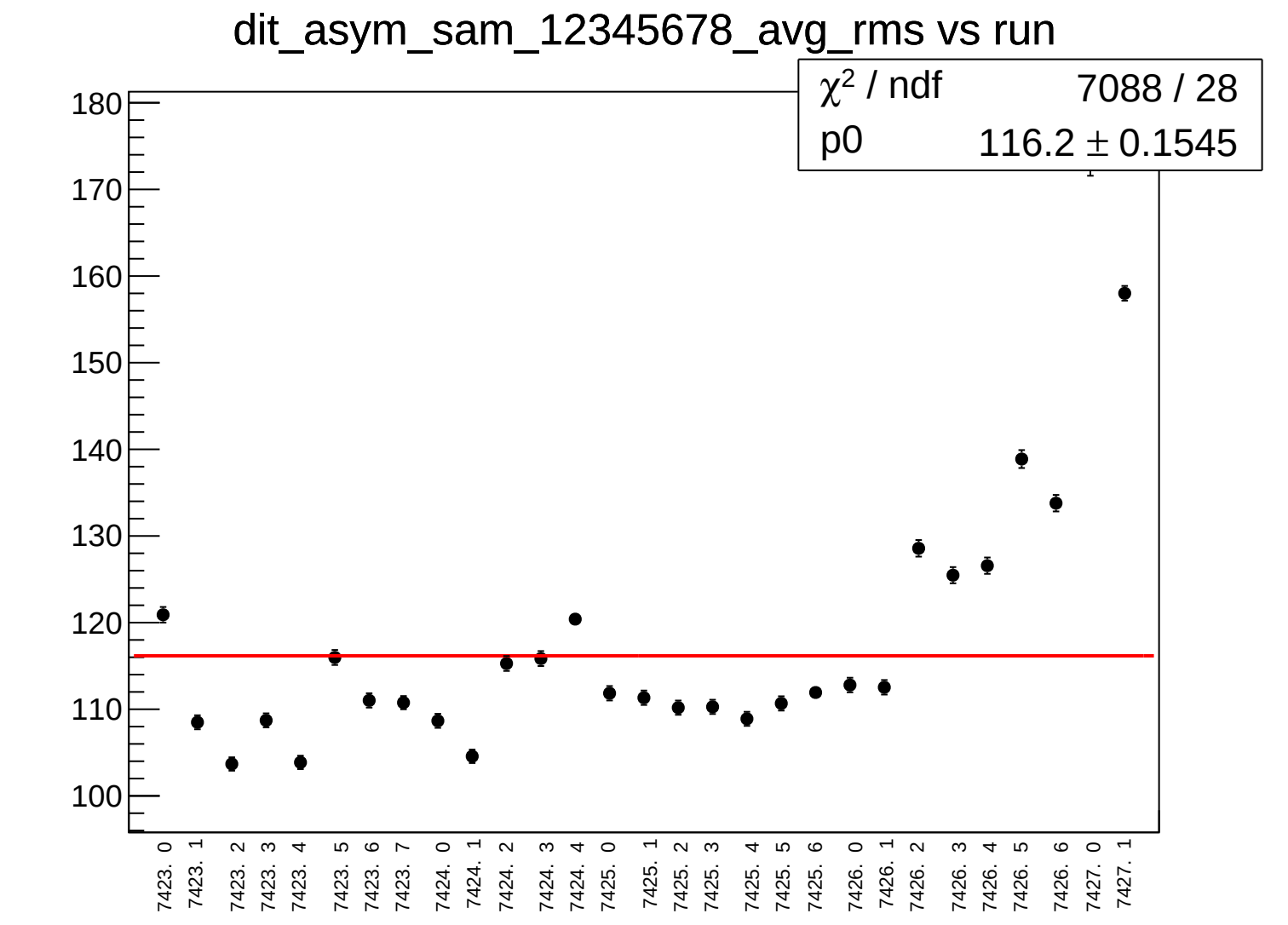

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1125 / 28
p0 173.1 ± 0.2291
195
190
185
180
175
170
165
160
155
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

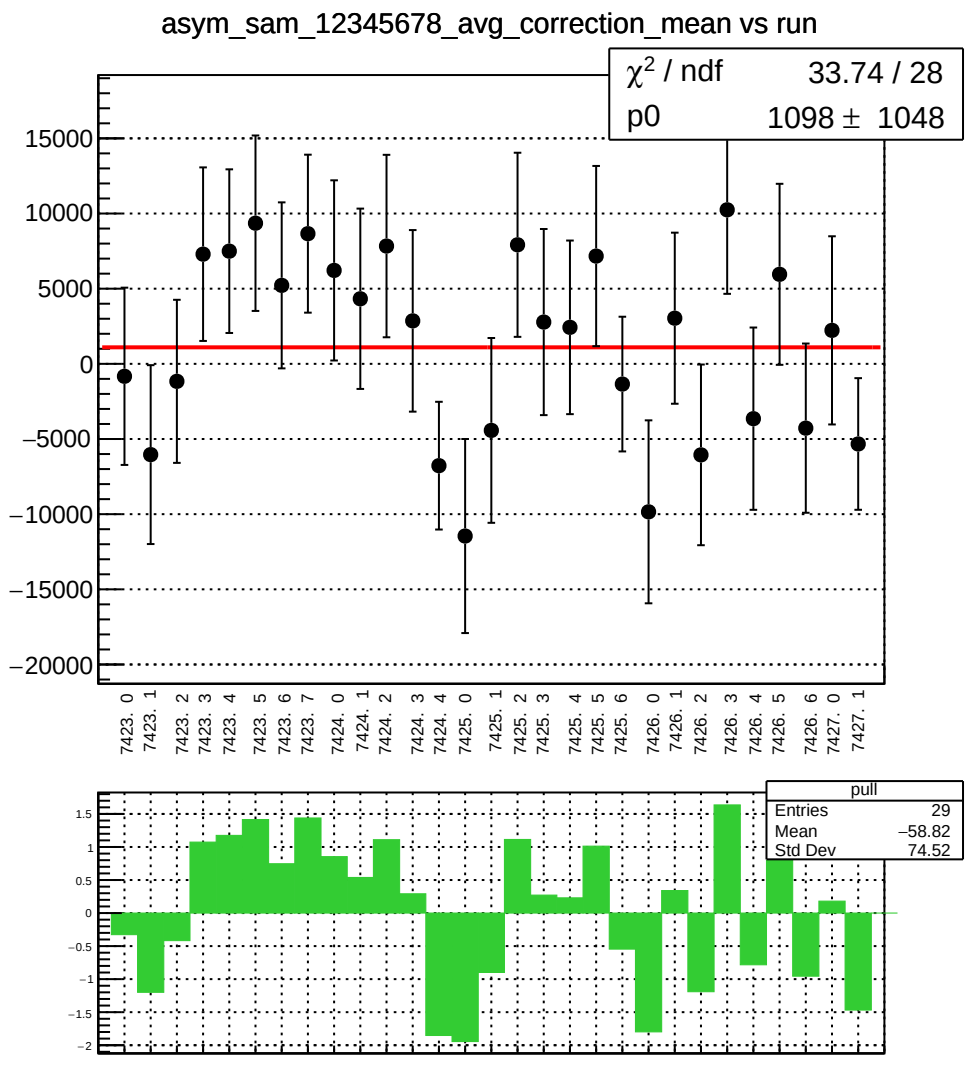

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 34.43 / 28
p0 414.2 ± 317.6
6000
4000
2000
0
−2000
−4000
−6000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −90.1
Std Dev 105.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 29
Mean 0.01579
Std Dev 1.09
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

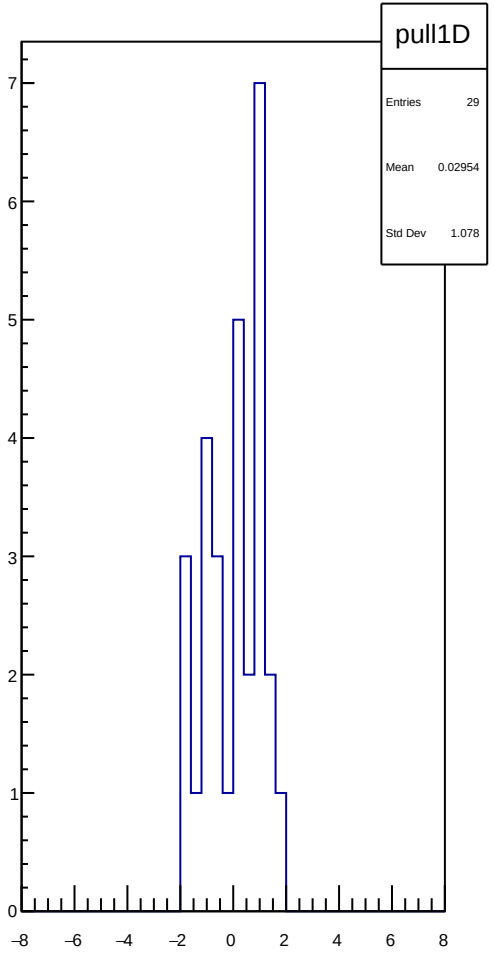

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1616 / 28
p0 169.6 ± 0.2245
195
190
185
180
175
170
165
160
155
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

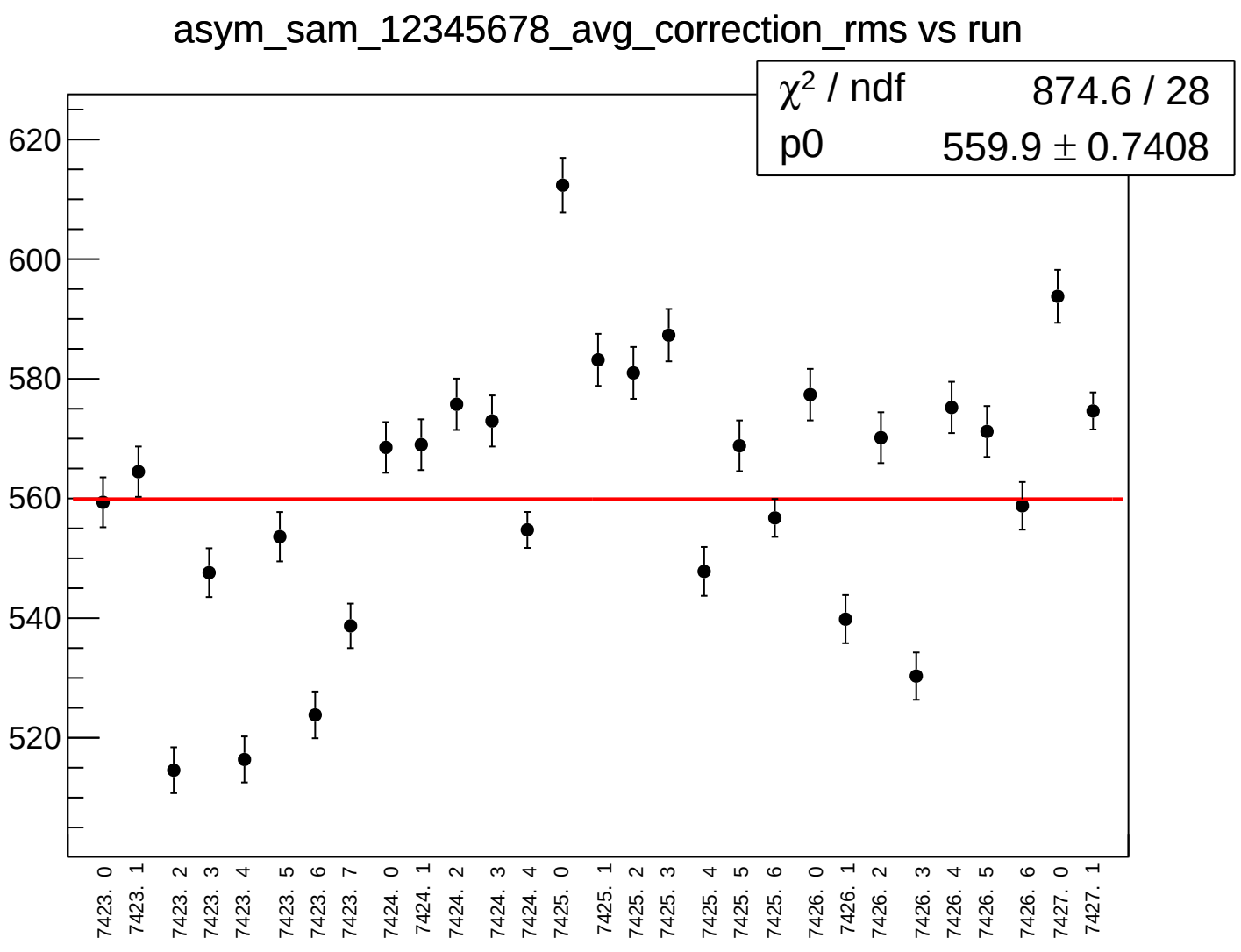

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 17.1 / 28
p0 −108.1± 218.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 333.2
Std Dev 314
1.5
1
0.5
0
−0.5
−1
−1.5

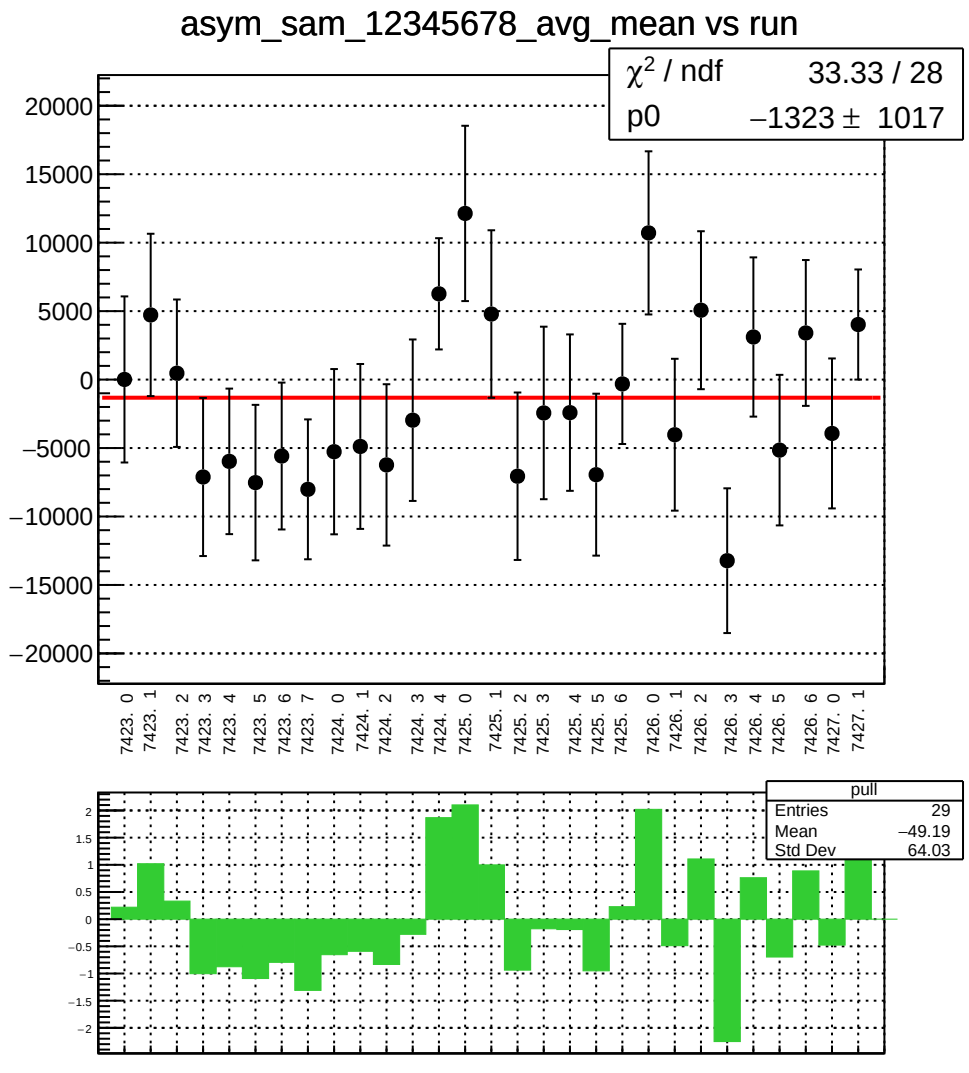

pull1D
Entries 29
Mean −0.007111
Std Dev 0.7678
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

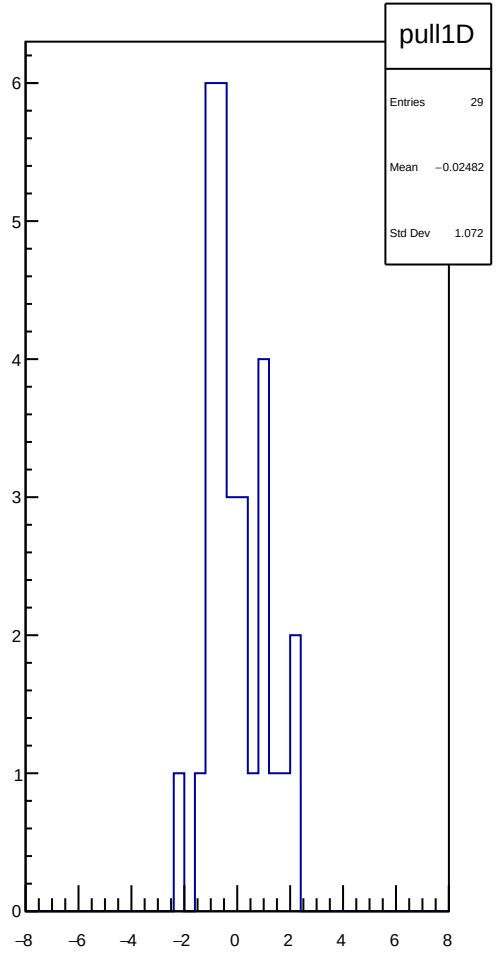

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 7088 / 28
p0 116.2 ± 0.1545
180
170
160
150
140
130
120
110
100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

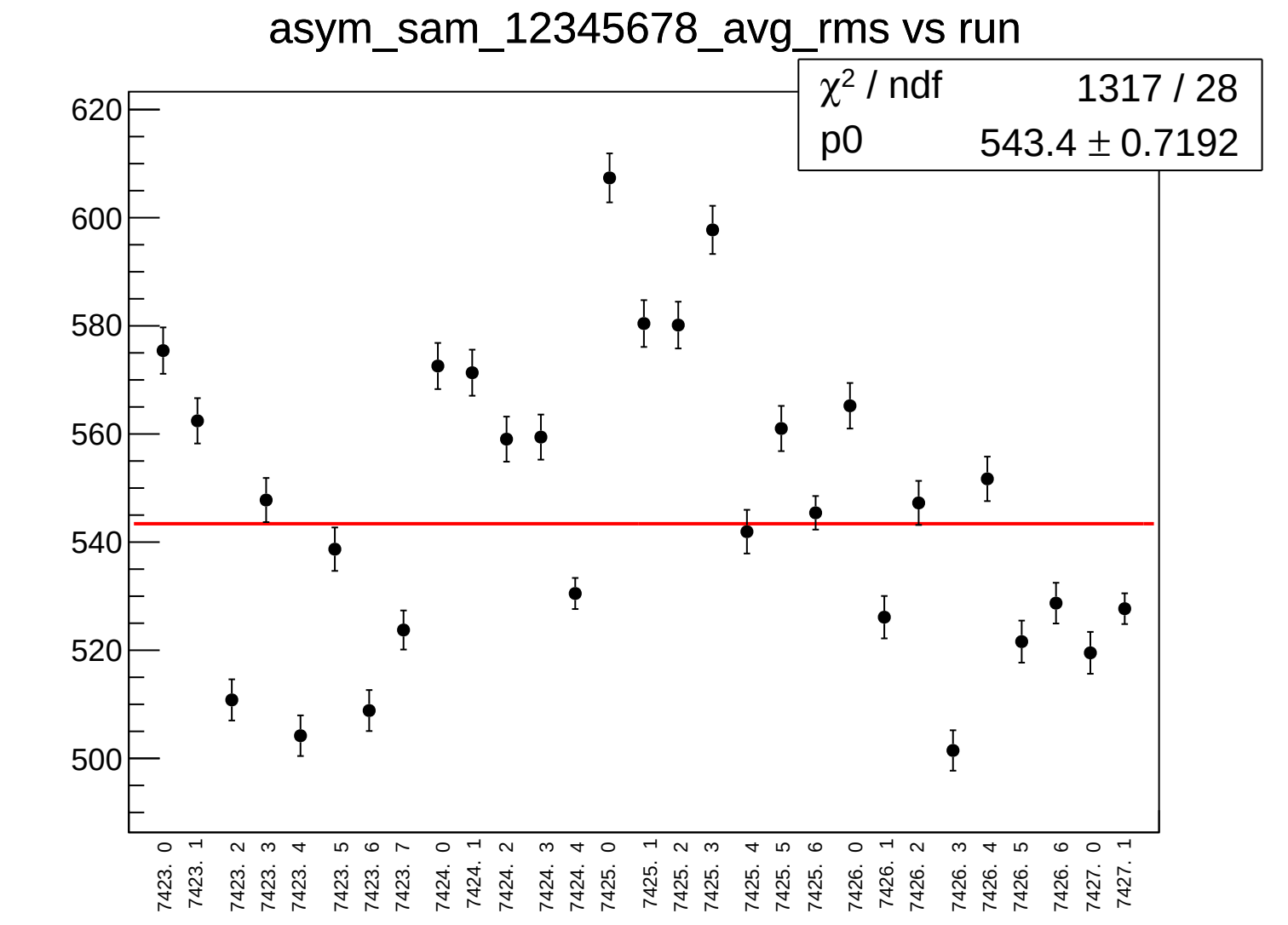

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 33.74 / 28
p0 1098 ± 1048
15000
10000
5000
0
−5000
−10000
−15000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −58.82
Std Dev 74.52
1.5
1
0.5
0
−0.5
−1
−1.5
−2

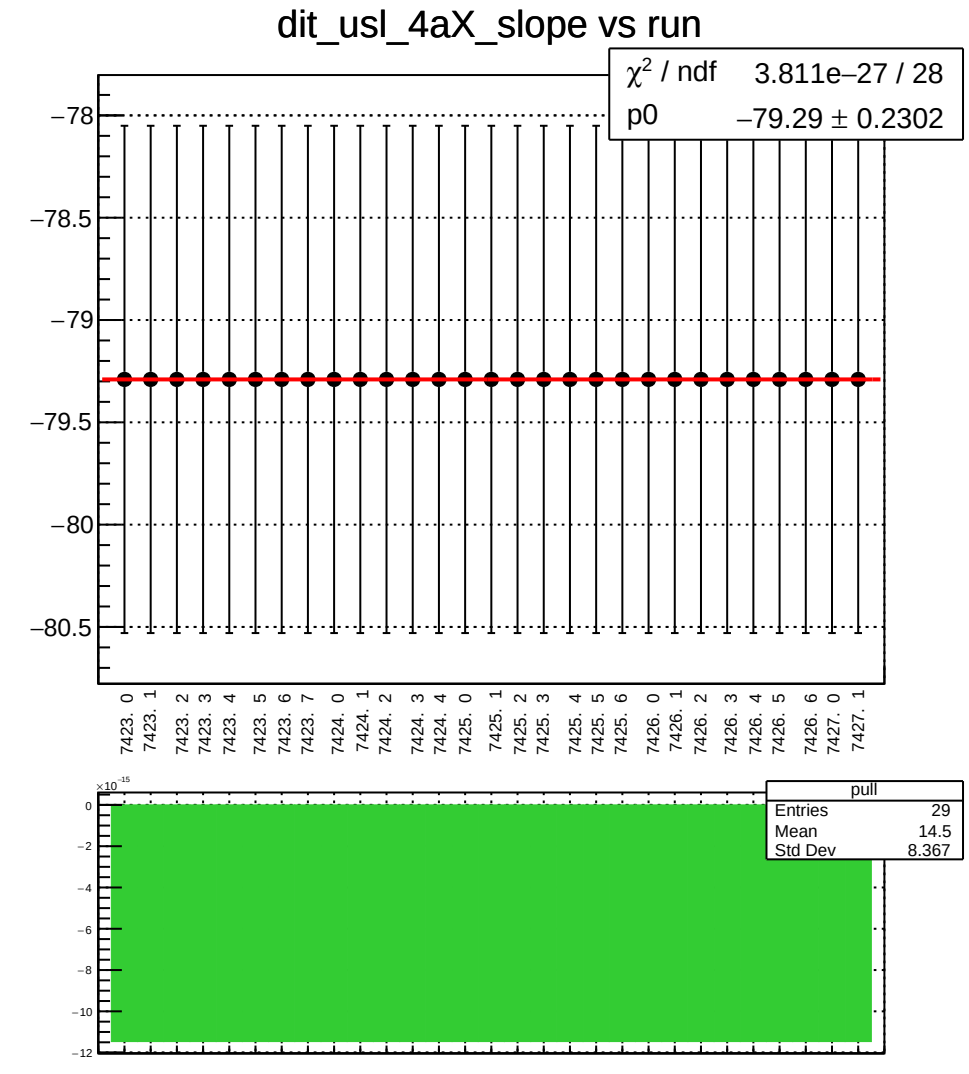

pull1D
Entries 29
Mean 0.02954
Std Dev 1.078
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

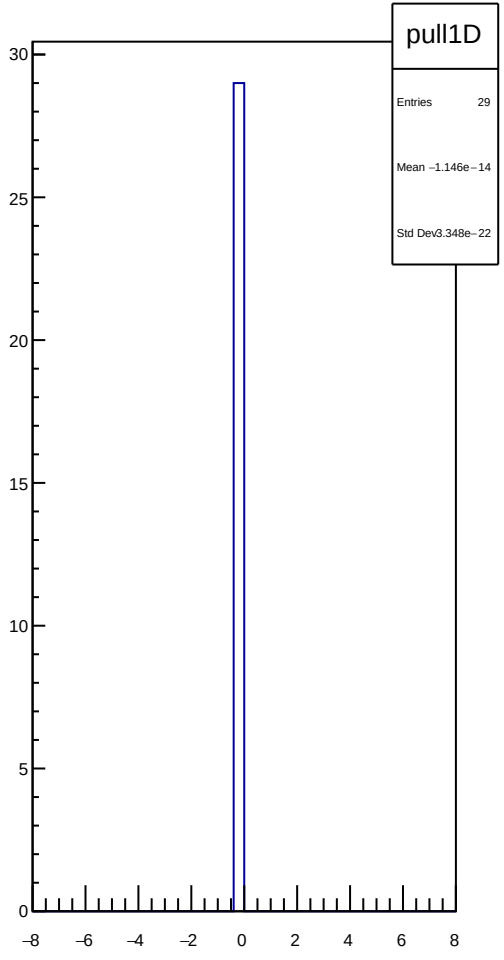

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 874.6 / 28
p0 559.9 ± 0.7408
620
600
580
560
540
520
17423. 0
17423. 1
17423. 2
17423. 3
17423. 4
17423. 5
17423. 6
17423. 7
17424. 0
17424. 1
17424. 2
17424. 3
17424. 4
17425. 0
17425. 1
17425. 2
17425. 3
17425. 4
17425. 5
17425. 6
17426. 0
17426. 1
17426. 2
17426. 3
17426. 4
17426. 5
17426. 6
17427. 0
17427. 1

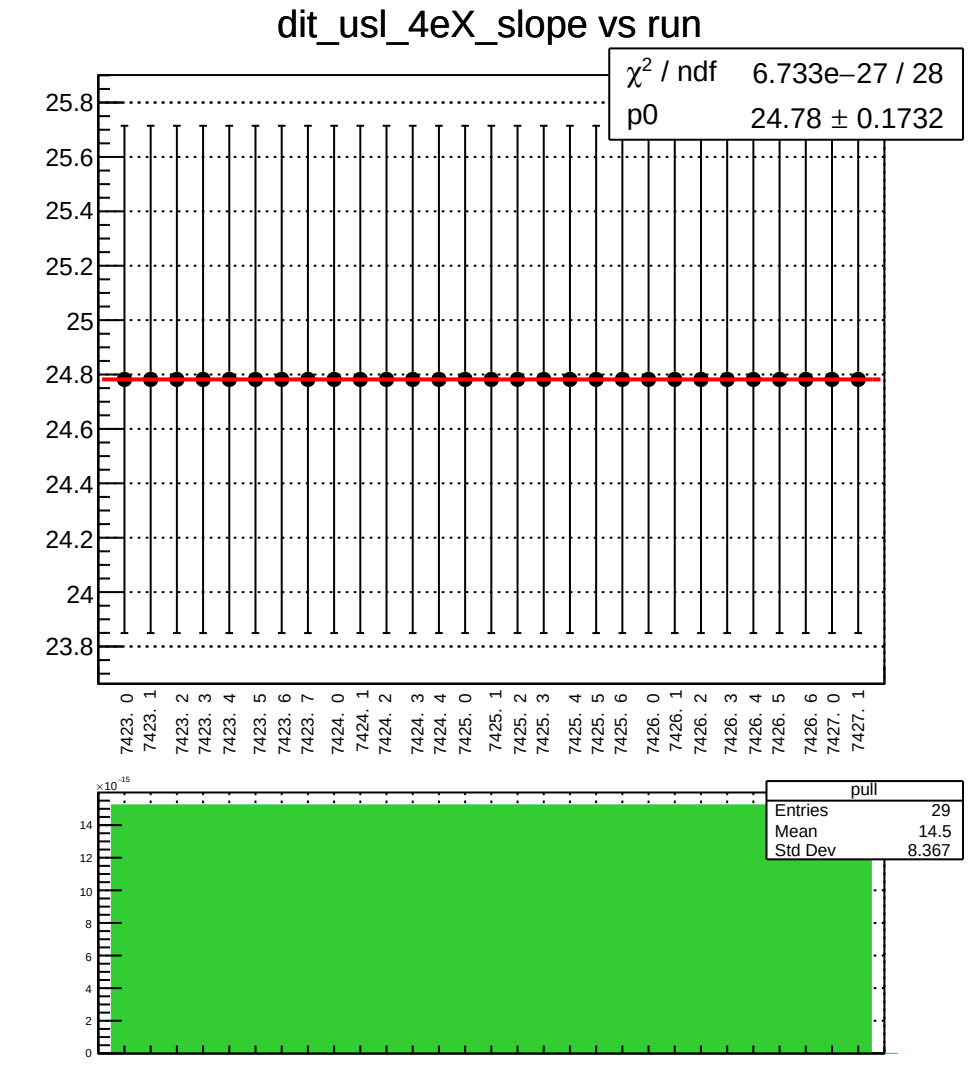

asym_sam_12345678_avg_mean vs run
χ² / ndf 33.33 / 28
p0 −1323 ± 1017
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −49.19
Std Dev 64.03
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

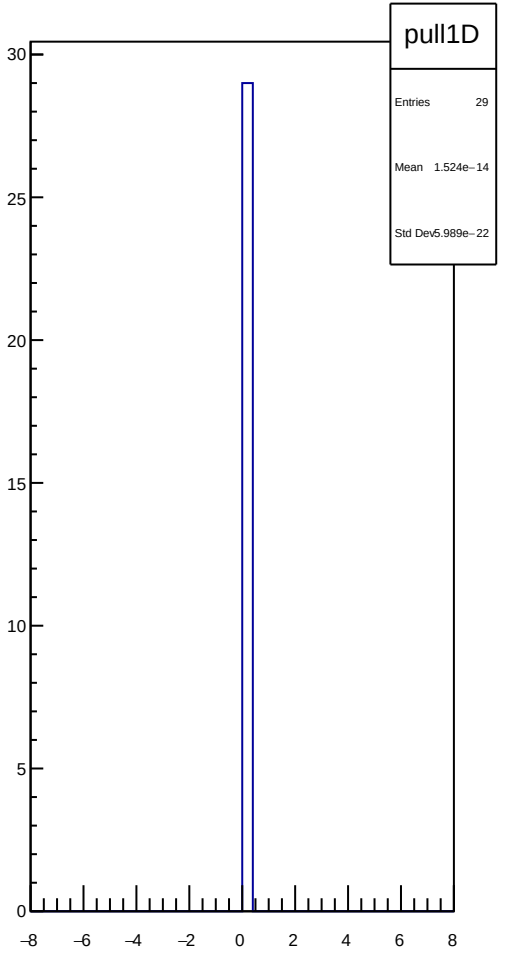

pull1D
Entries 29
Mean −0.02482
Std Dev 1.072
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

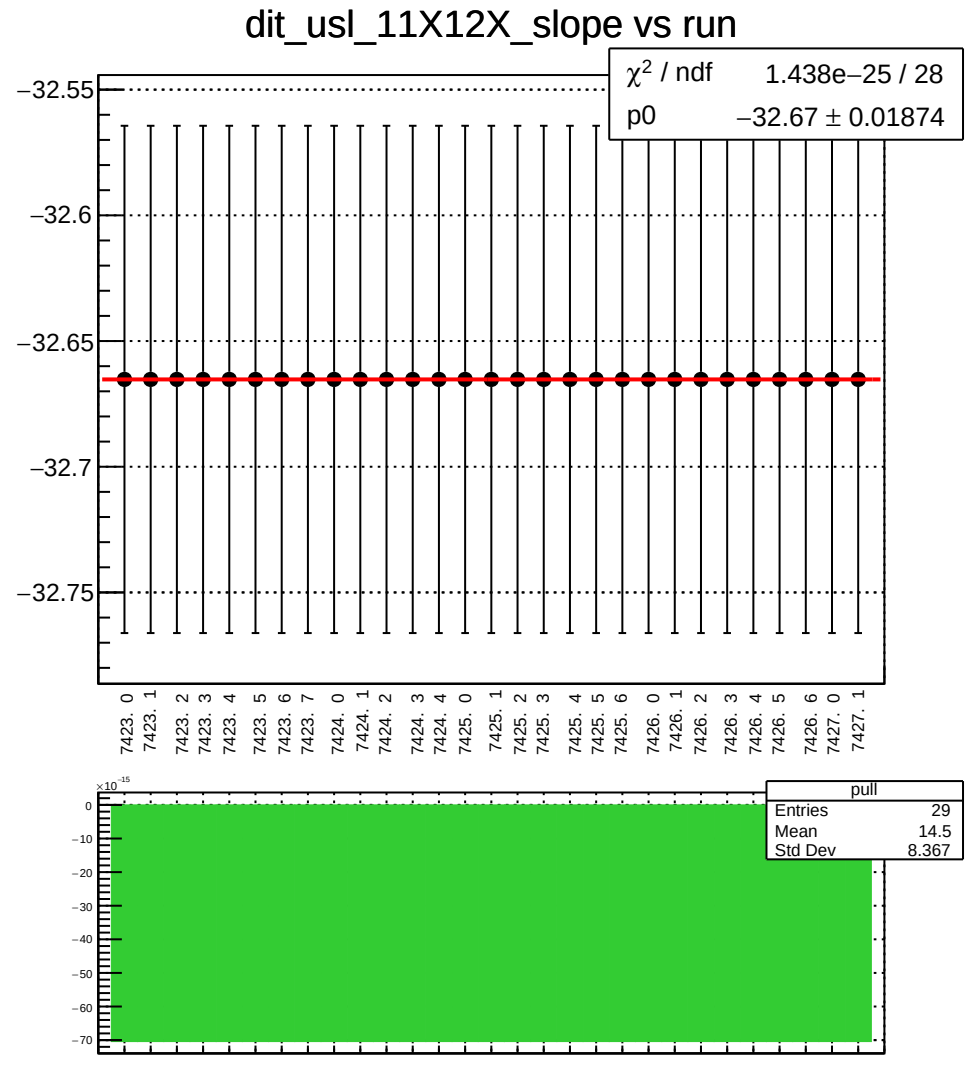

asym_sam_12345678_avg_rms vs run
χ² / ndf 1317 / 28
p0 543.4 ± 0.7192
620
600
580
560
540
520
500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

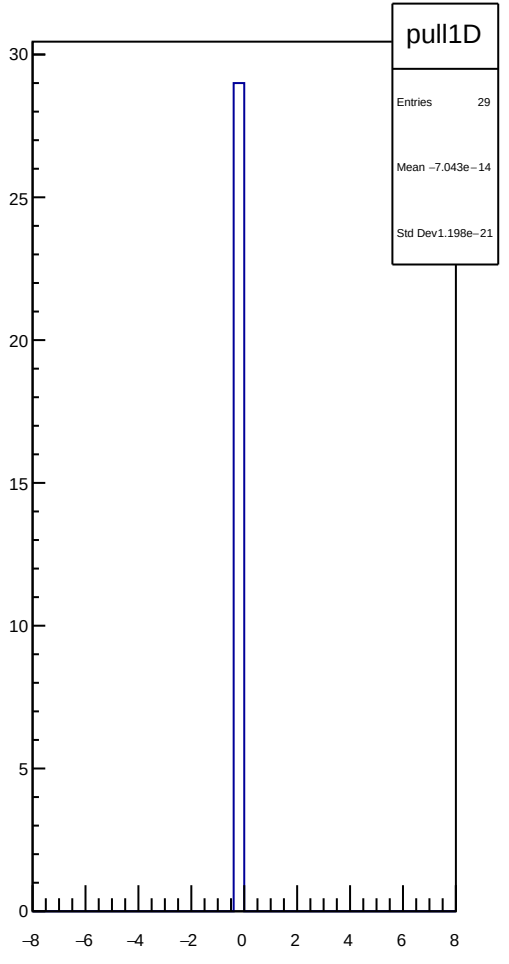

dit_usl_4aX_slope vs run
χ² / ndf 3.811e−27 / 28
p0 −79.29 ± 0.2302
−78
−78.5
−79
−79.5
−80
−80.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 29
Mean 14.5
Std Dev 8.367

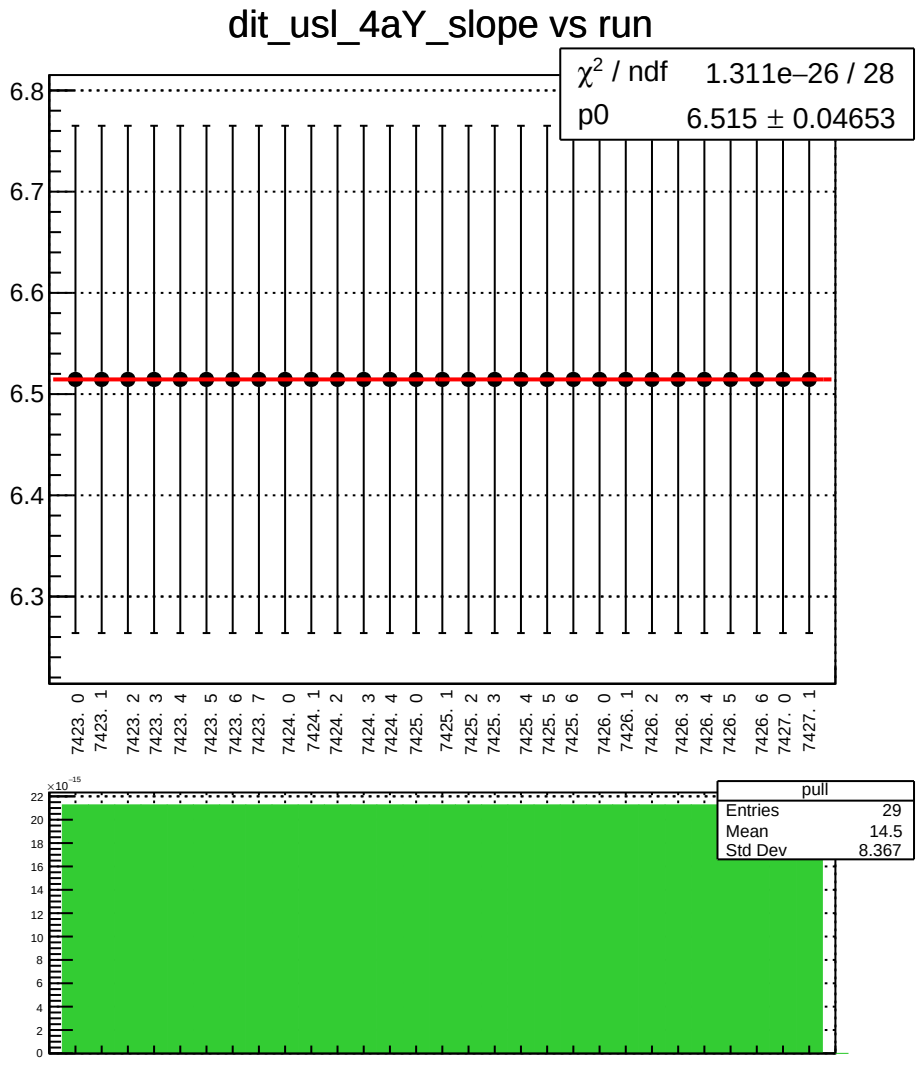

pull1D
Entries 29
Mean −1.146e−14
Std Dev 3.348e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

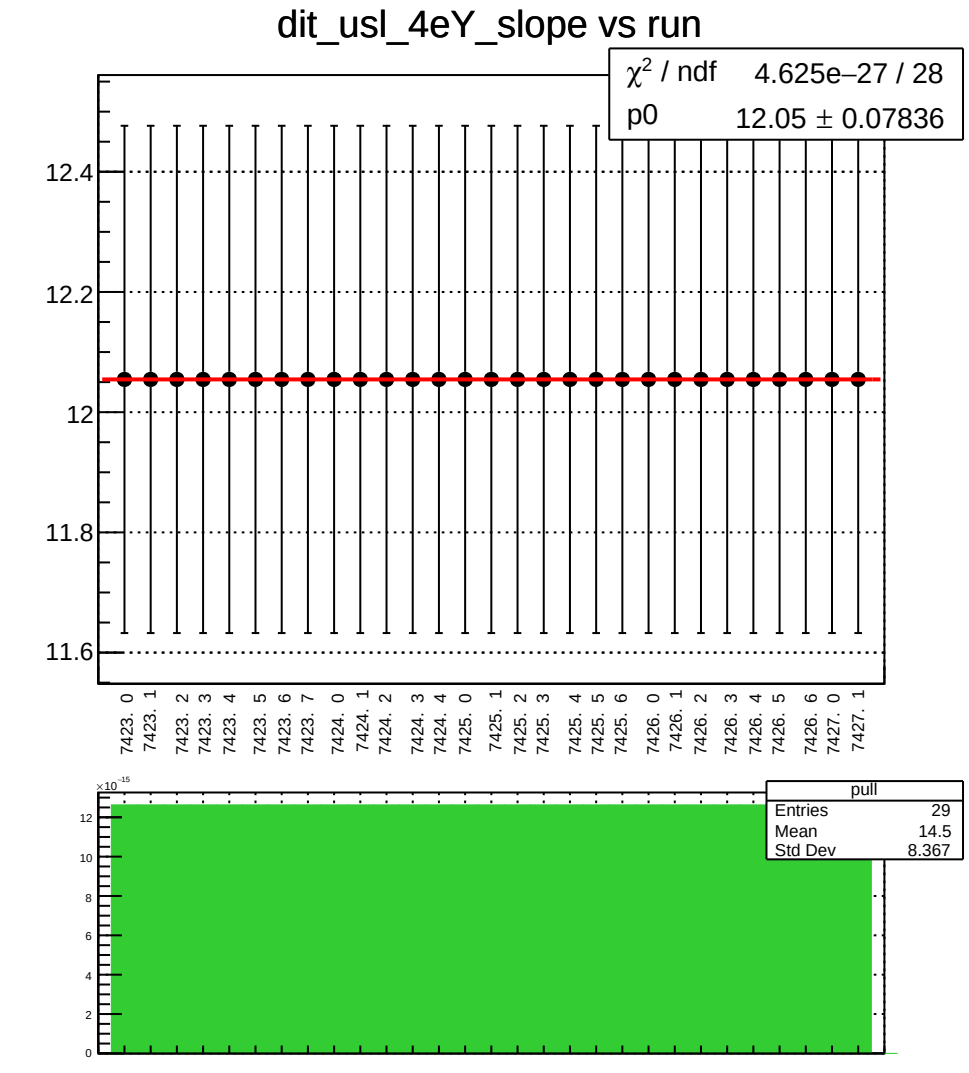

dit_usl_4eX_slope vs run
χ² / ndf 6.733e−27 / 28
p0 24.78 ± 0.1732
25.8
25.6
25.4
25.2
25
24.8
24.6
24.4
24.2
24
23.8
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

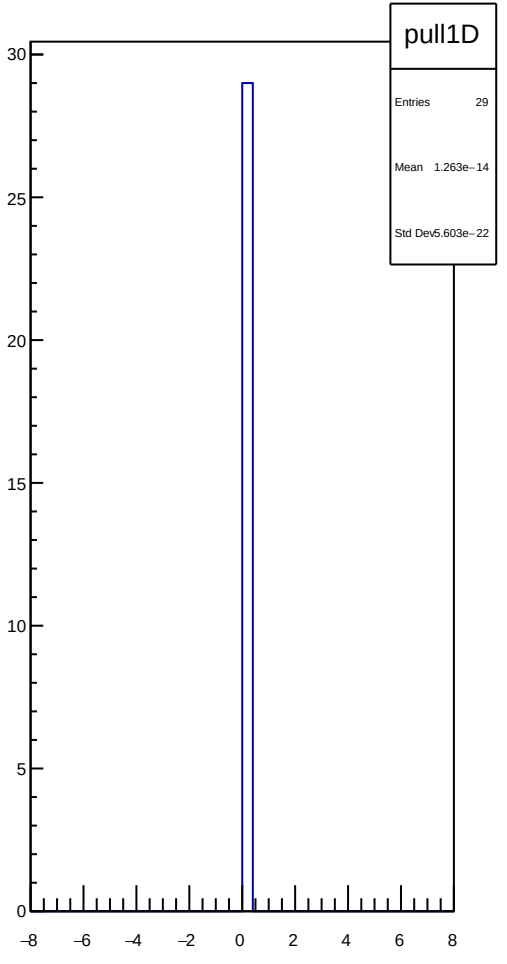

pull1D
Entries 29
Mean 1.524e−14
Std Dev 5.989e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

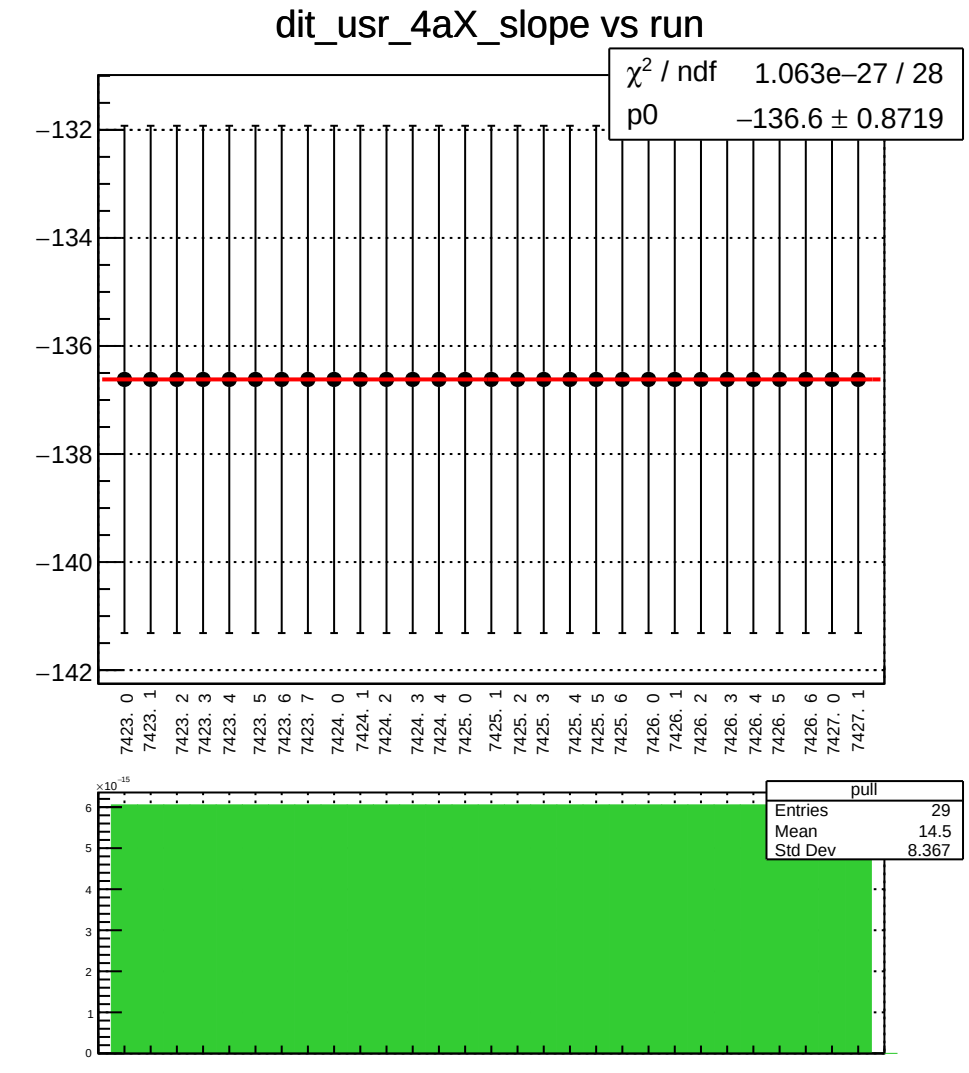

dit_usl_11X12X_slope vs run
χ² / ndf 1.438e−25 / 28
p0 −32.67 ± 0.01874
−32.55
−32.6
−32.65
−32.7
−32.75
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
pull
Entries 29
Mean 14.5
Std Dev 8.367

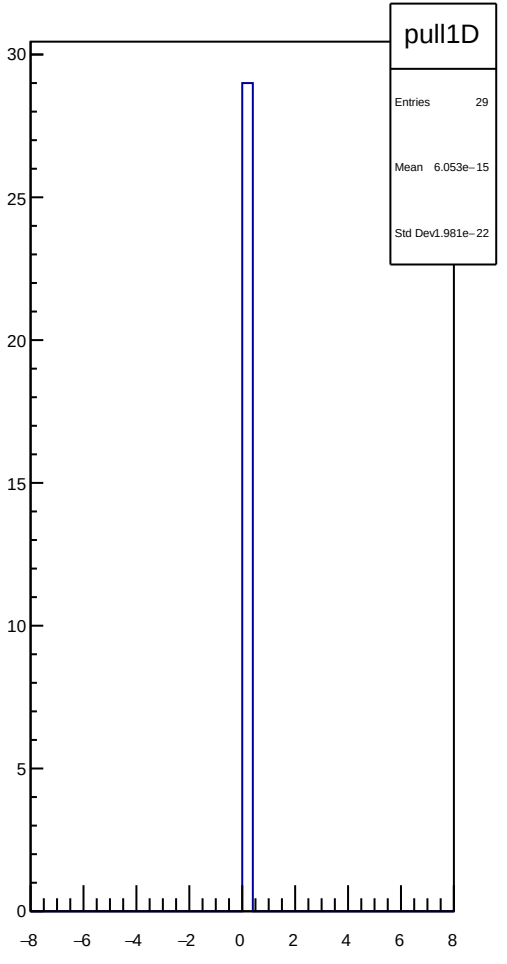

pull1D
Entries 29
Mean −7.043e−14
Std Dev1.198e−21

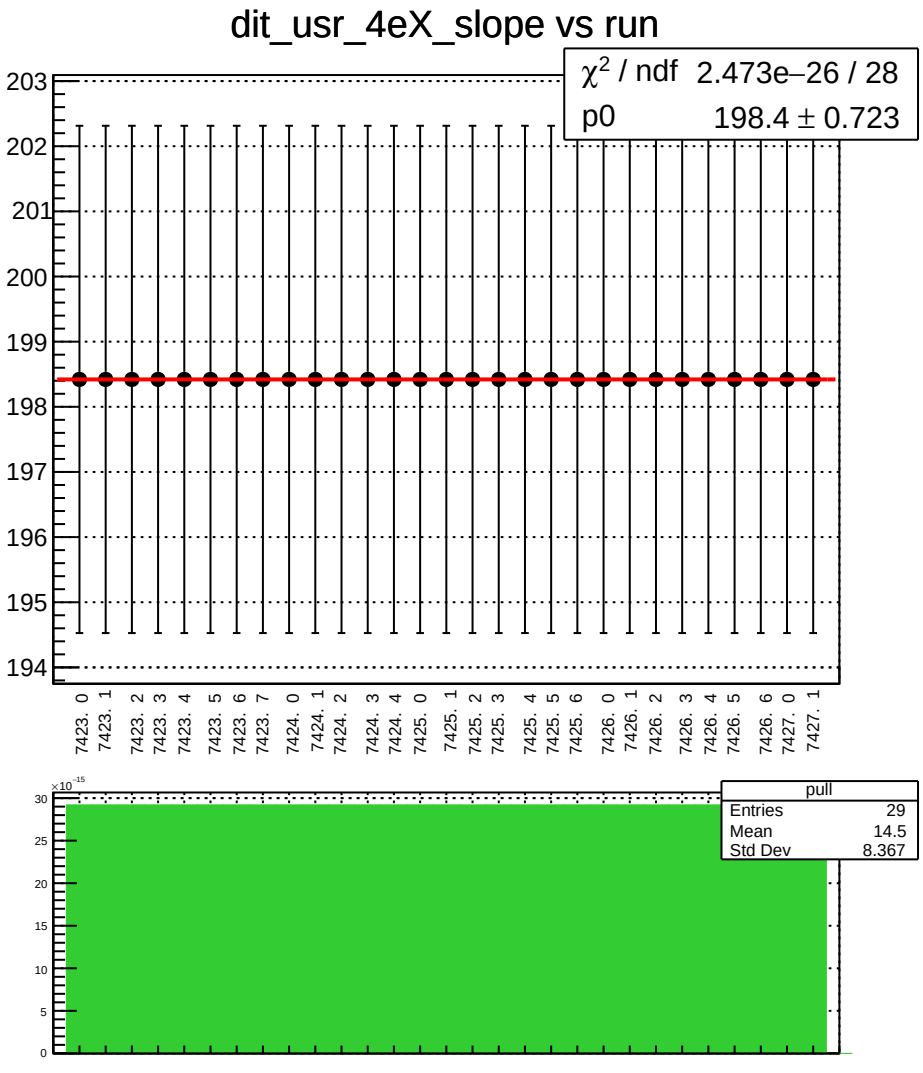

dit_usl_4aY_slope vs run
χ² / ndf 1.311e−26 / 28
p0 6.515 ± 0.04653
6.8
6.7
6.6
6.5
6.4
6.3
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 29
Mean 14.5
Std Dev 8.367
pull1D
Entries 29
Mean 2.127e−14
Std Dev 6.696e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

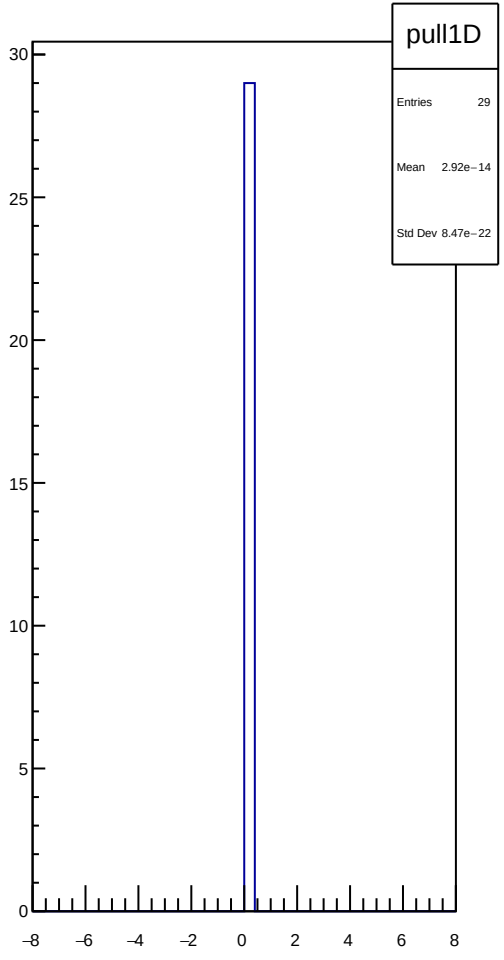

dit_usl_4eY_slope vs run
χ² / ndf 4.625e−27 / 28
p0 12.05 ± 0.07836
12.4
12.2
12
11.8
11.6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

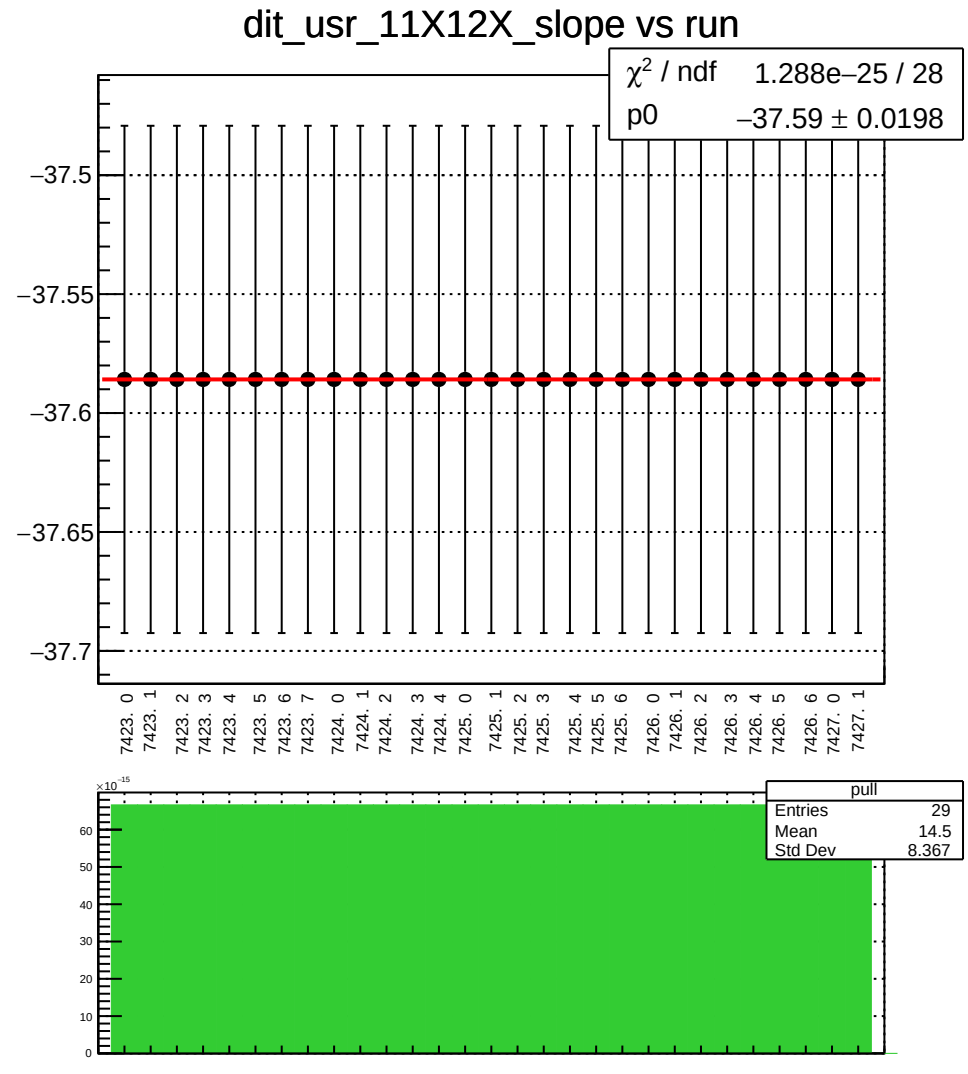

pull1D
Entries 29
Mean 1.263e−14
Std Dev 5.603e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

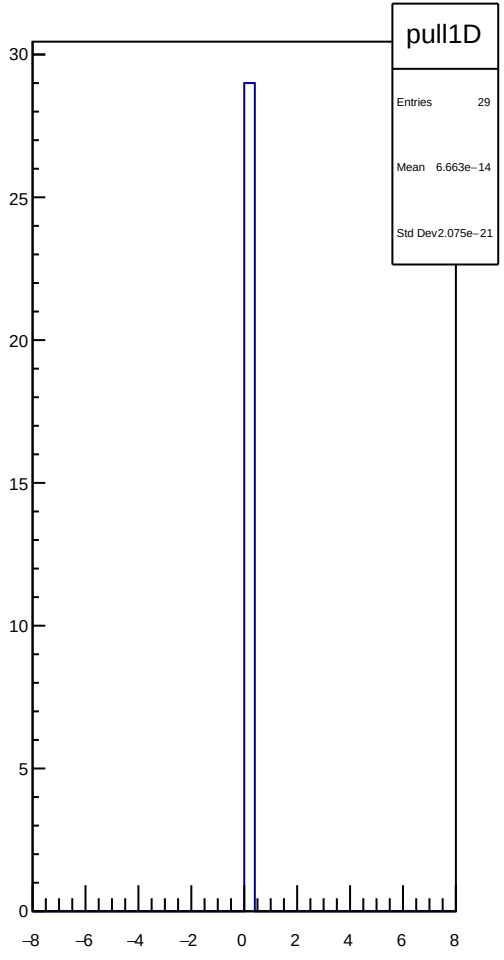

dit_usr_4aX_slope vs run
χ² / ndf 1.063e−27 / 28
p0 −136.6 ± 0.8719
−132
−134
−136
−138
−140
−142
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
pull
Entries 29
Mean 14.5
Std Dev 8.367

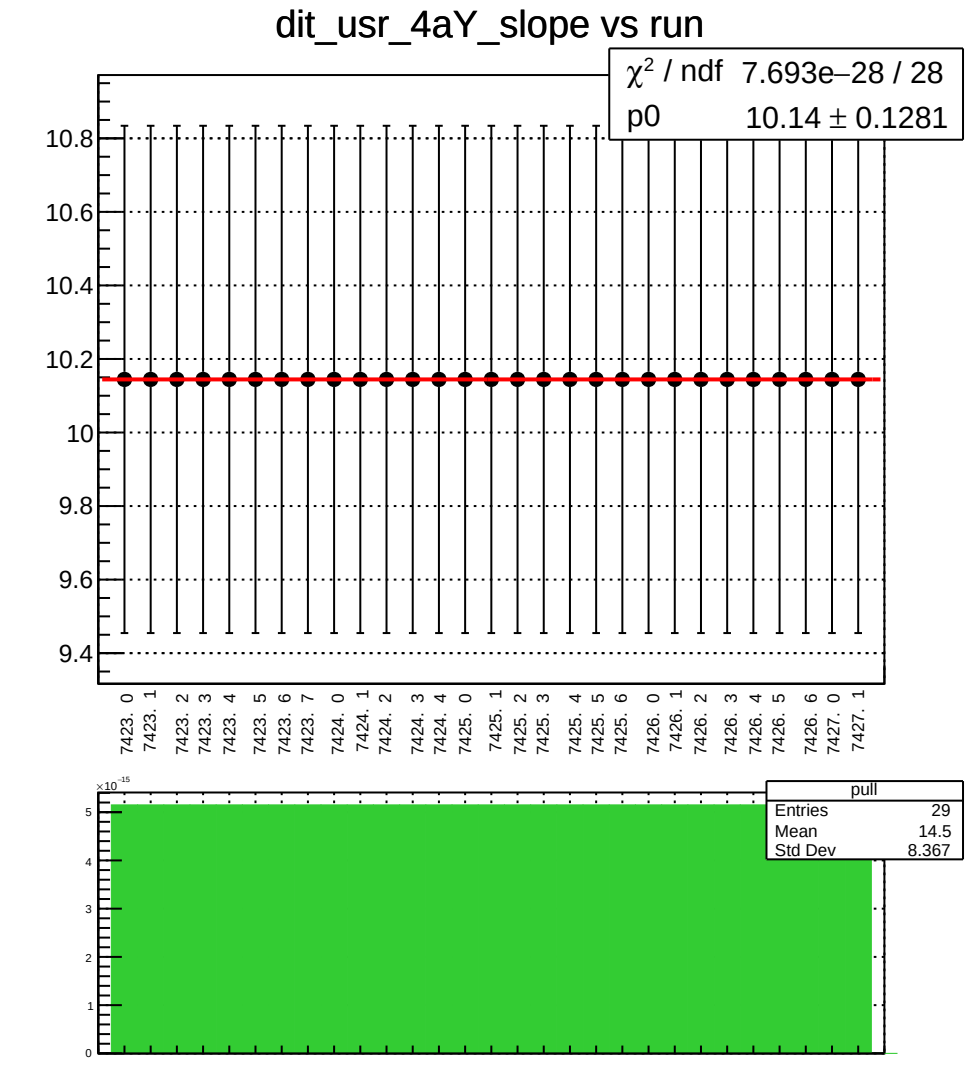

pull1D
Entries 29
Mean 6.053e−15
Std Dev1.981e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

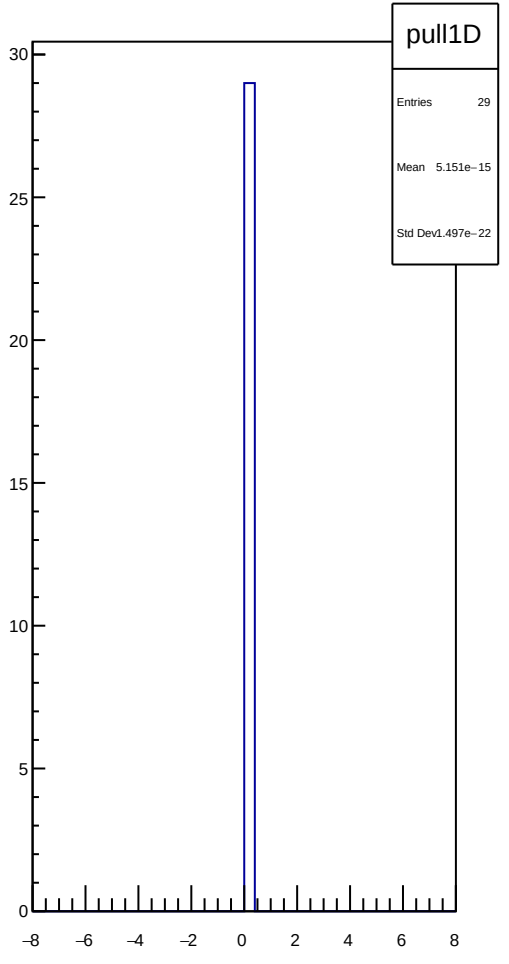

dit_usr_4eX_slope vs run
χ² / ndf 2.473e−26 / 28
p0 198.4 ± 0.723
203
202
201
200
199
198
197
196
195
194
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
30
25
20
15
10
5
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

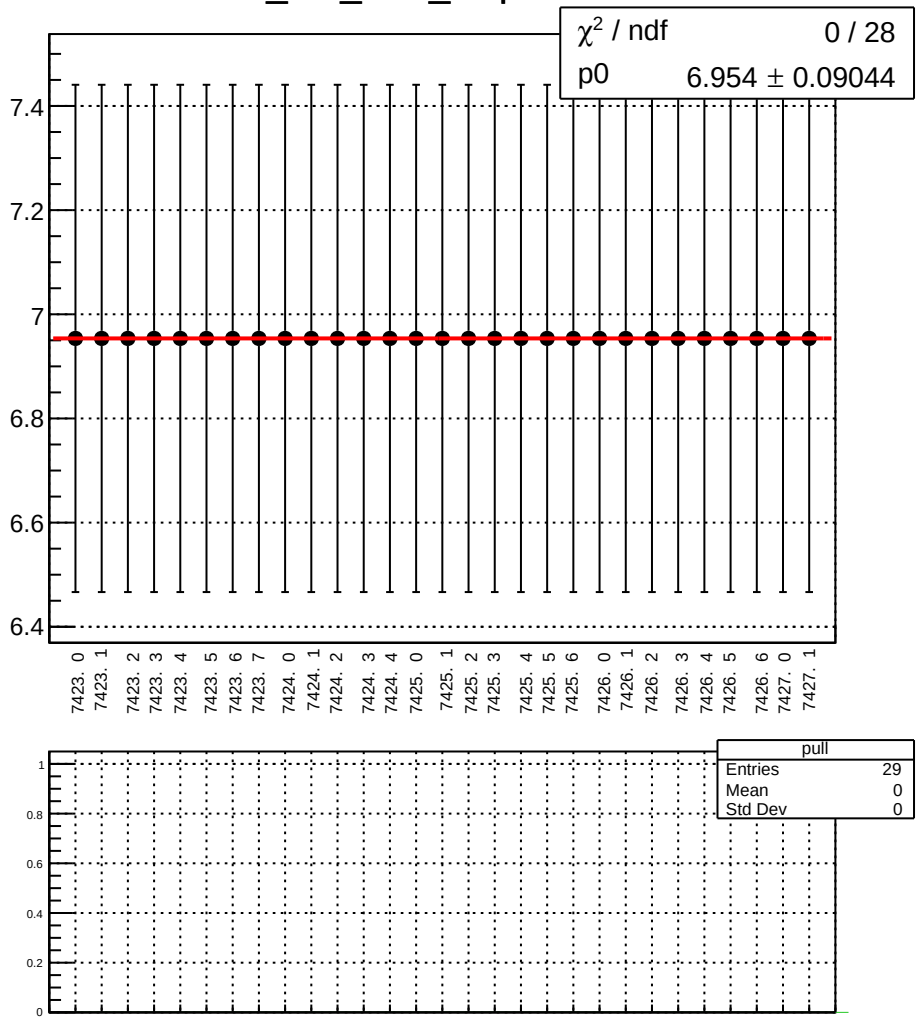

pull1D
Entries 29
Mean 2.92e−14
Std Dev 8.47e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

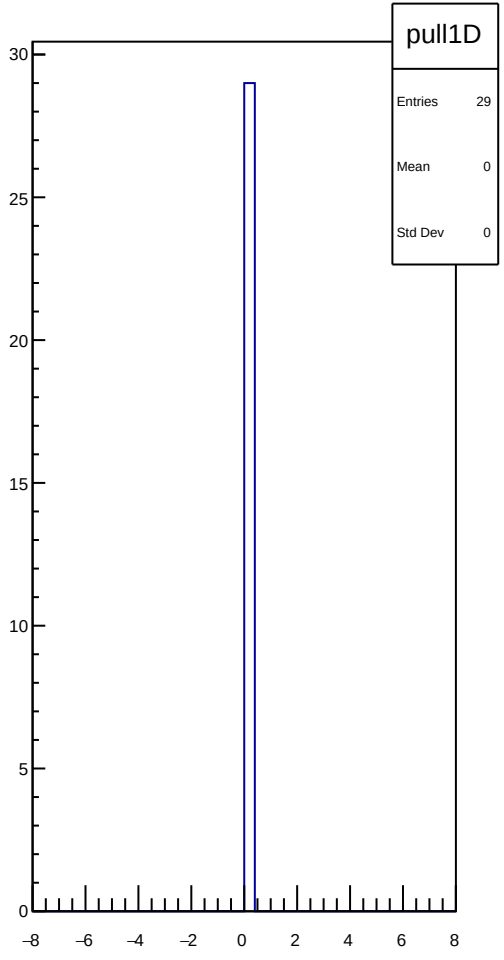

dit_usr_11X12X_slope vs run
χ² / ndf 1.288e−25 / 28
p0 −37.59 ± 0.0198
−37.5
−37.55
−37.6
−37.65
−37.7
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
60
50
40
30
20
10
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

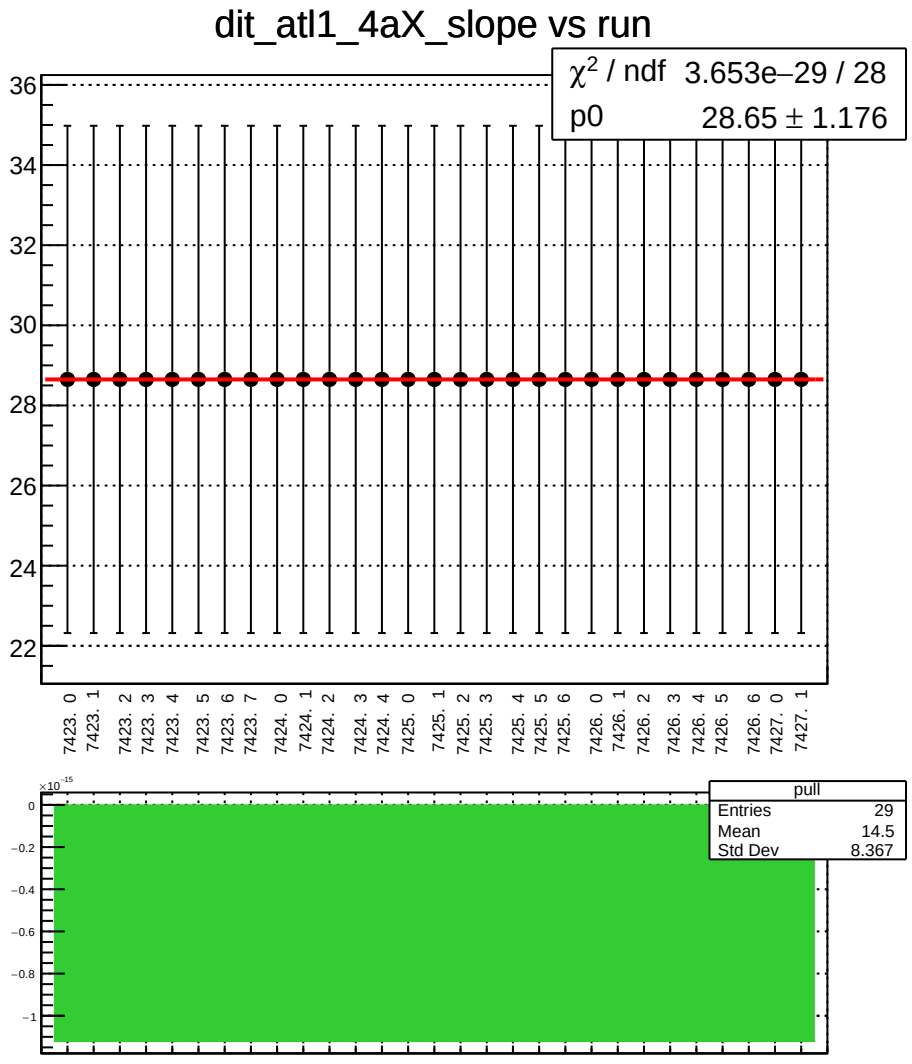

pull1D
Entries 29
Mean 6.663e−14
Std Dev2.075e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

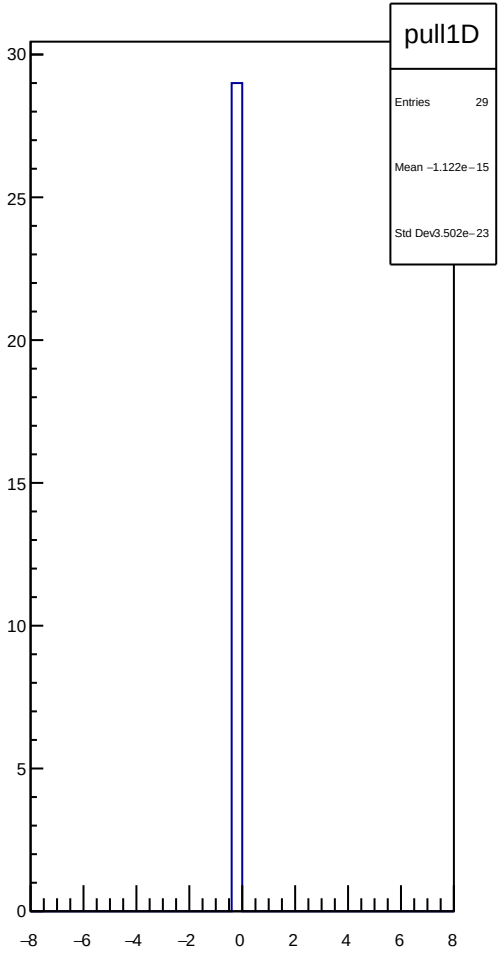

dit_usr_4aY_slope vs run
χ² / ndf 7.693e−28 / 28
p0 10.14 ± 0.1281
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

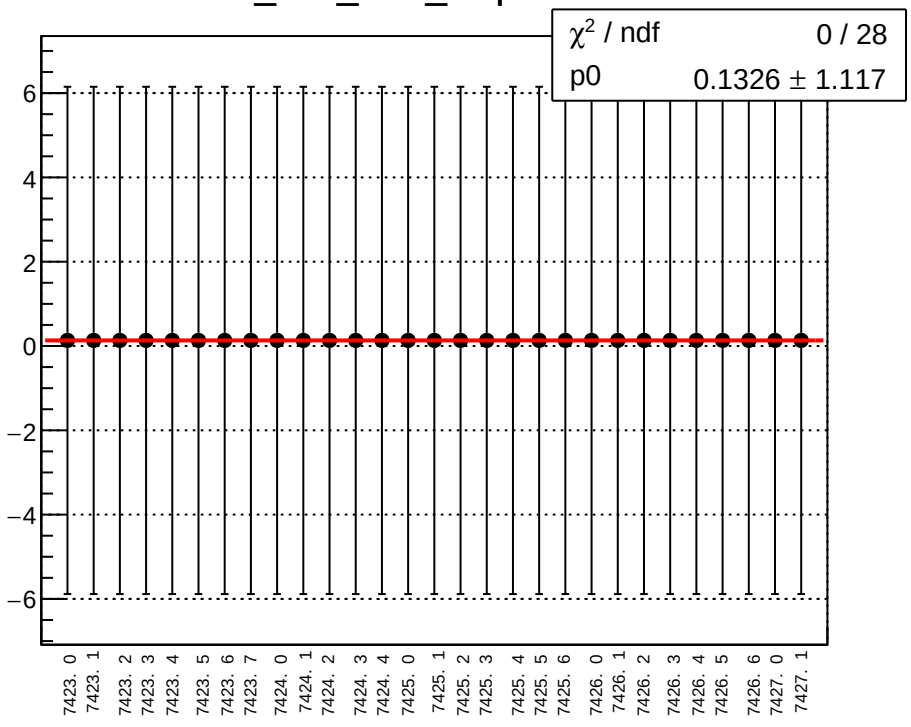

pull1D
Entries 29
Mean 5.151e−15
Std Dev1.497e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

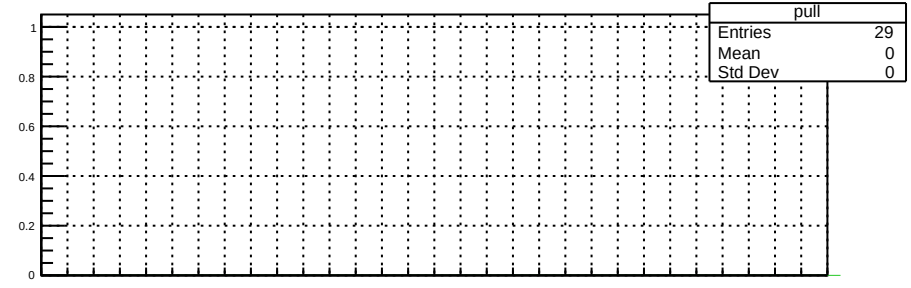

dit_usr_4eY_slope vs run
χ² / ndf 0 / 28
p0 6.954 ± 0.09044
7.4
7.2
7
6.8
6.6
6.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

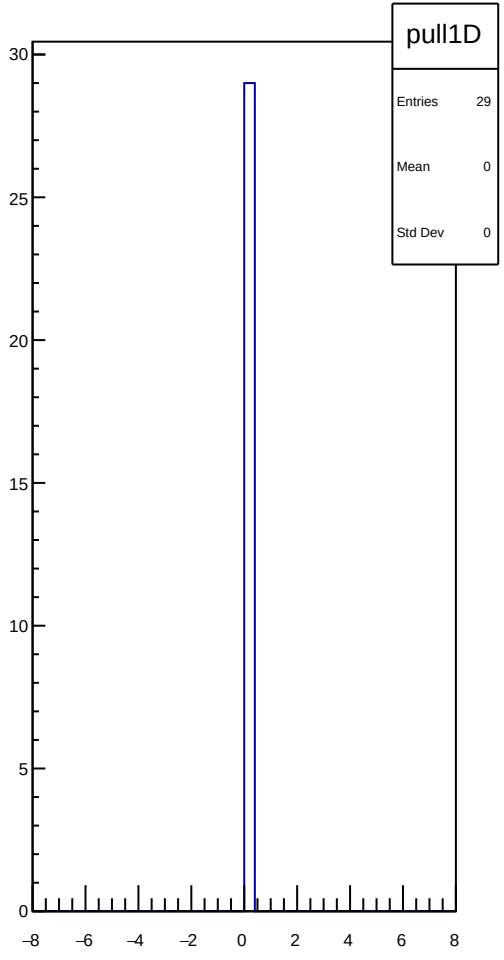

pull1D
Entries 29
Mean 0
Std Dev 0
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

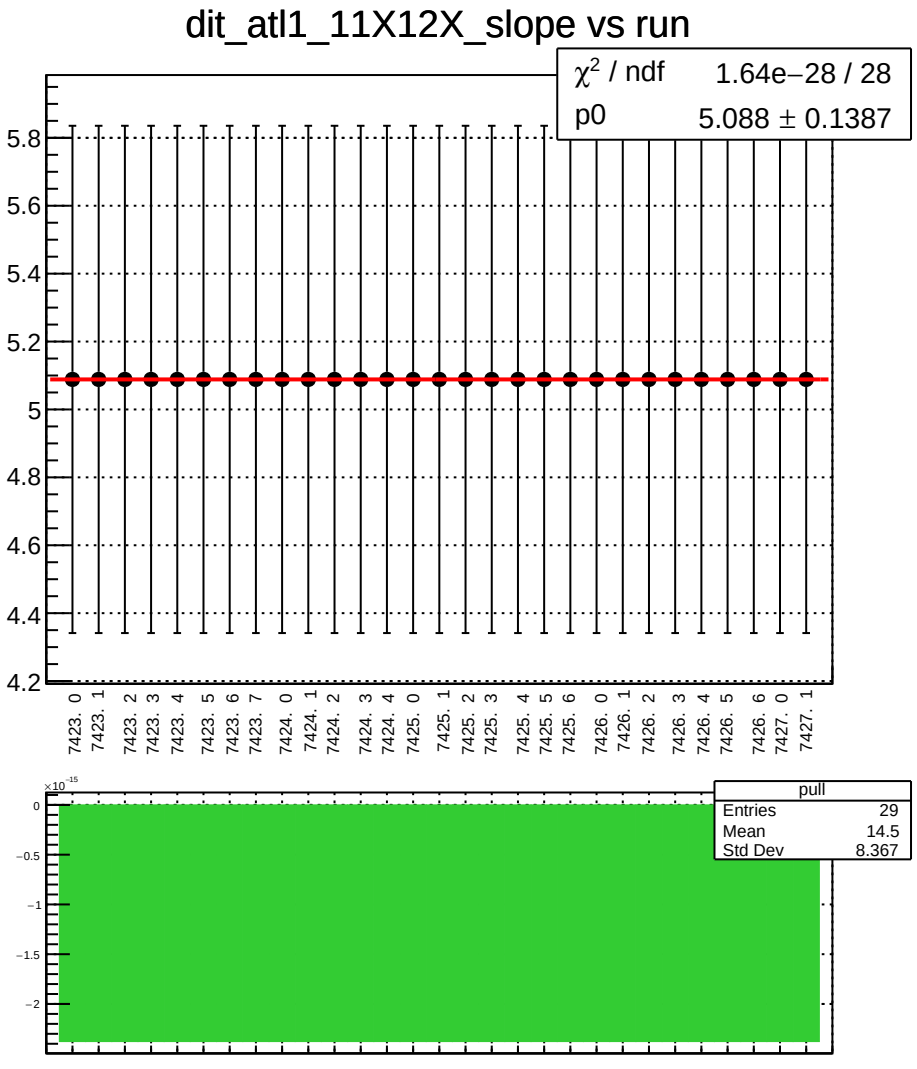

dit_atl1_4aX_slope vs run
χ² / ndf 3.653e−29 / 28
p0 28.65 ± 1.176
36
34
32
30
28
26
24
22
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
pull
Entries 29
Mean 14.5
Std Dev 8.367

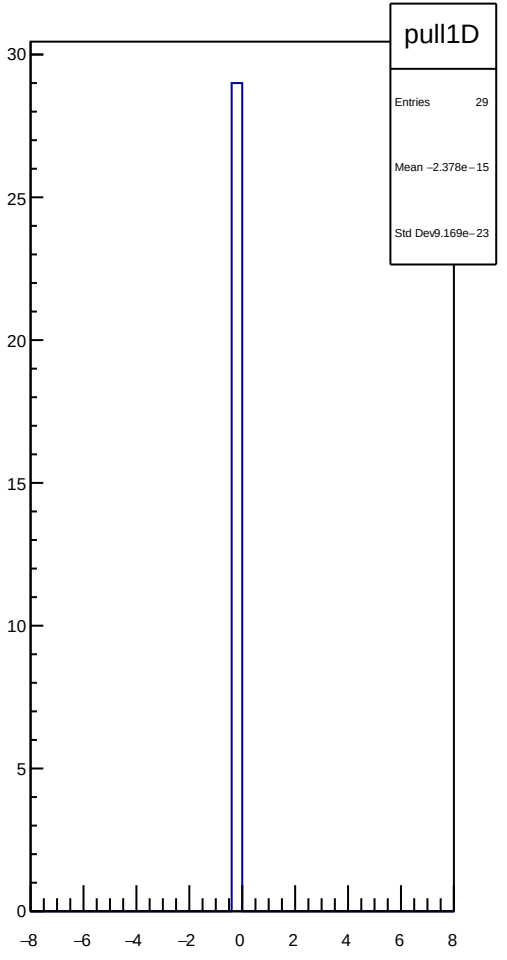

pull1D
Entries 29
Mean −1.122e−15
Std Dev3.502e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

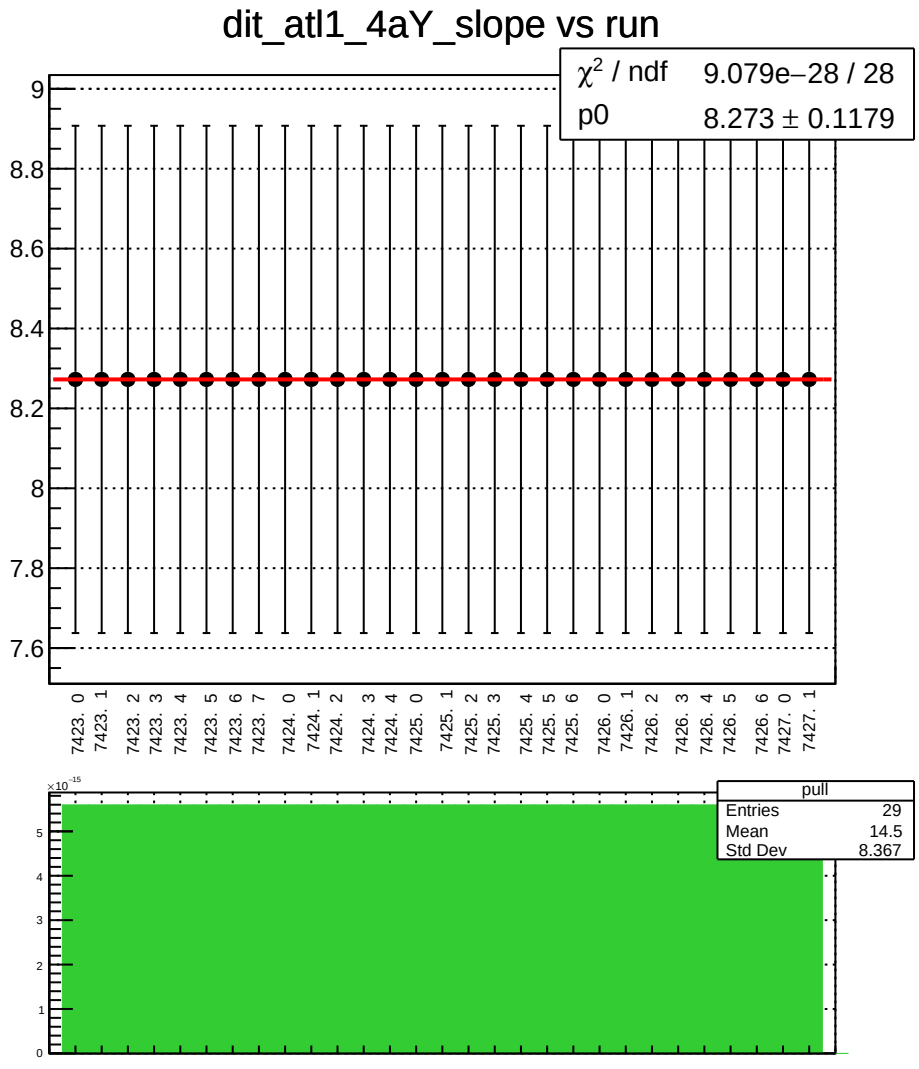

dit_atl1_4eX_slope vs run
χ² / ndf 0 / 28
p0 0.1326 ± 1.117
6
4
2
0
−2
−4
−6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

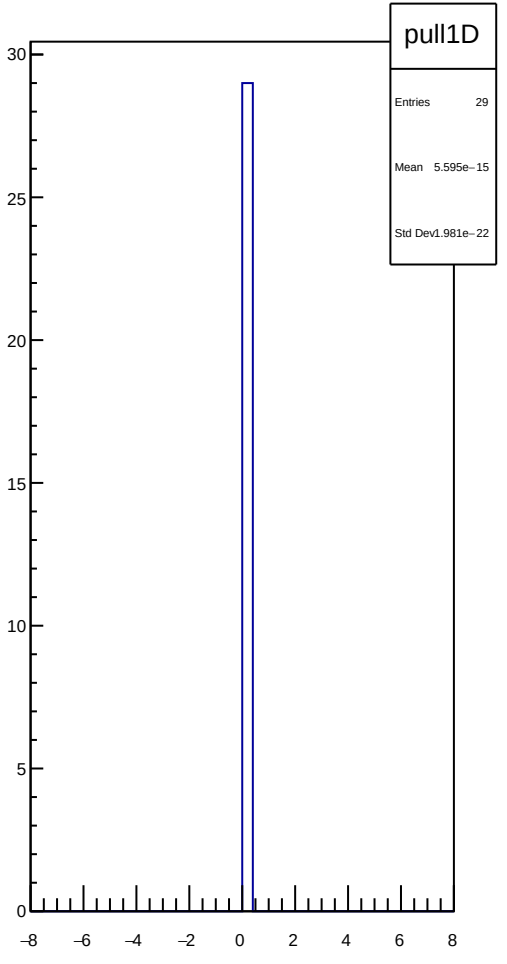

pull
Entries 29
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

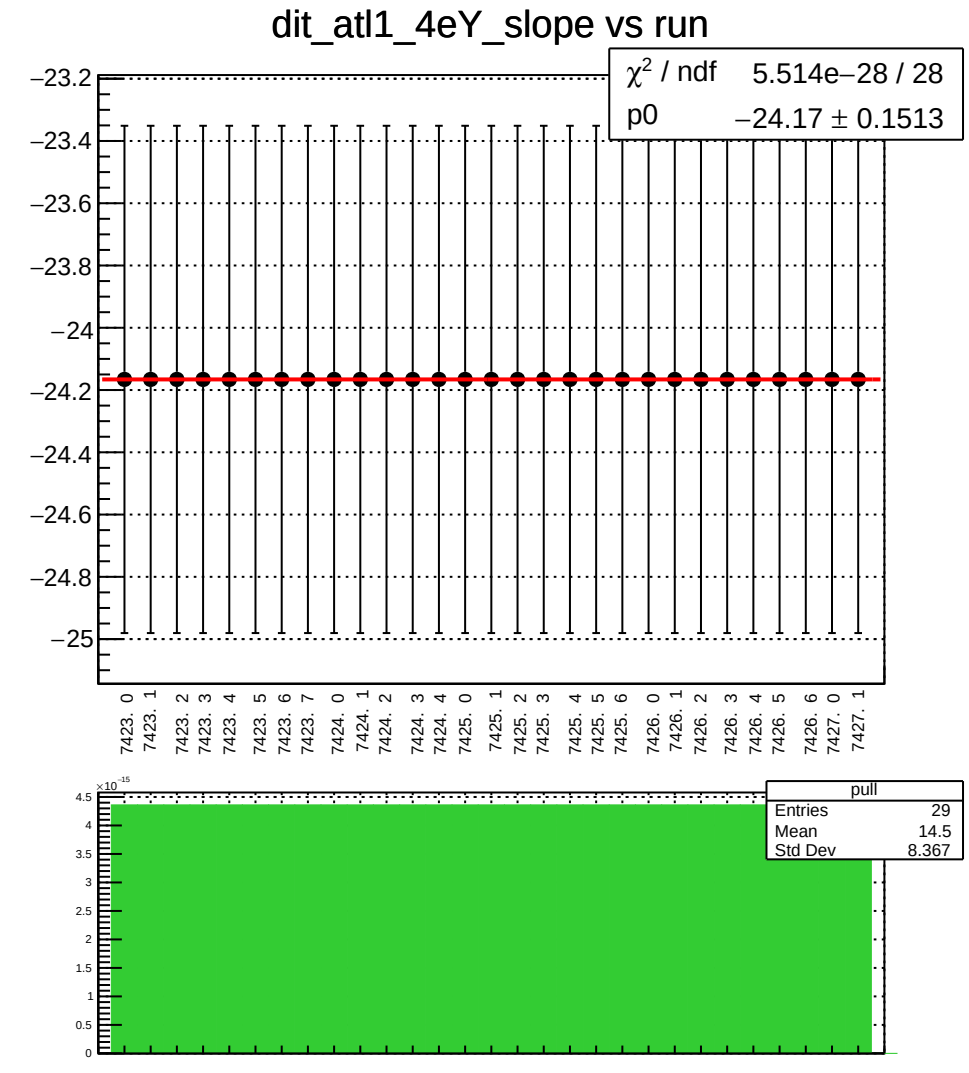

pull1D
Entries 29
Mean 0
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

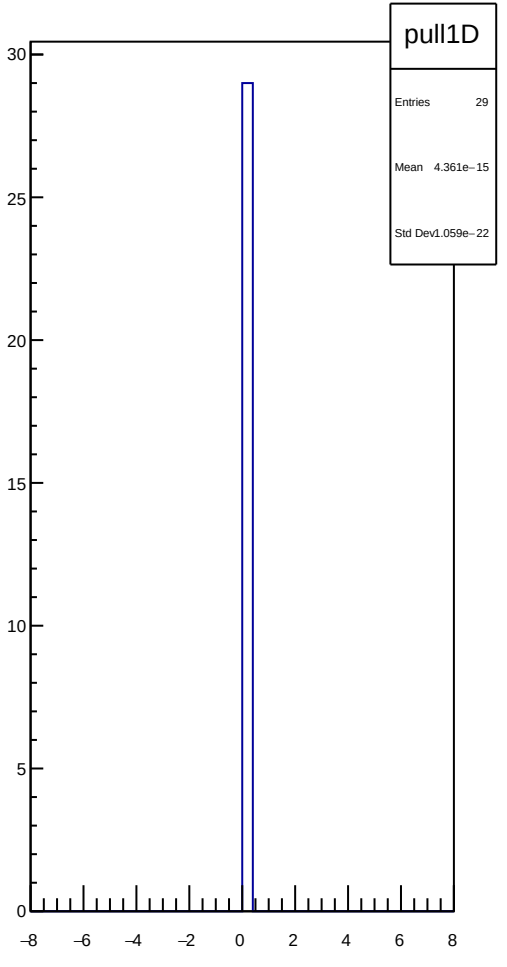

dit_atl1_11X12X_slope vs run
χ² / ndf 1.64e−28 / 28
p0 5.088 ± 0.1387
5.8
5.6
5.4
5.2
5
4.8
4.6
4.4
4.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull
Entries 29
Mean 14.5
Std Dev 8.367

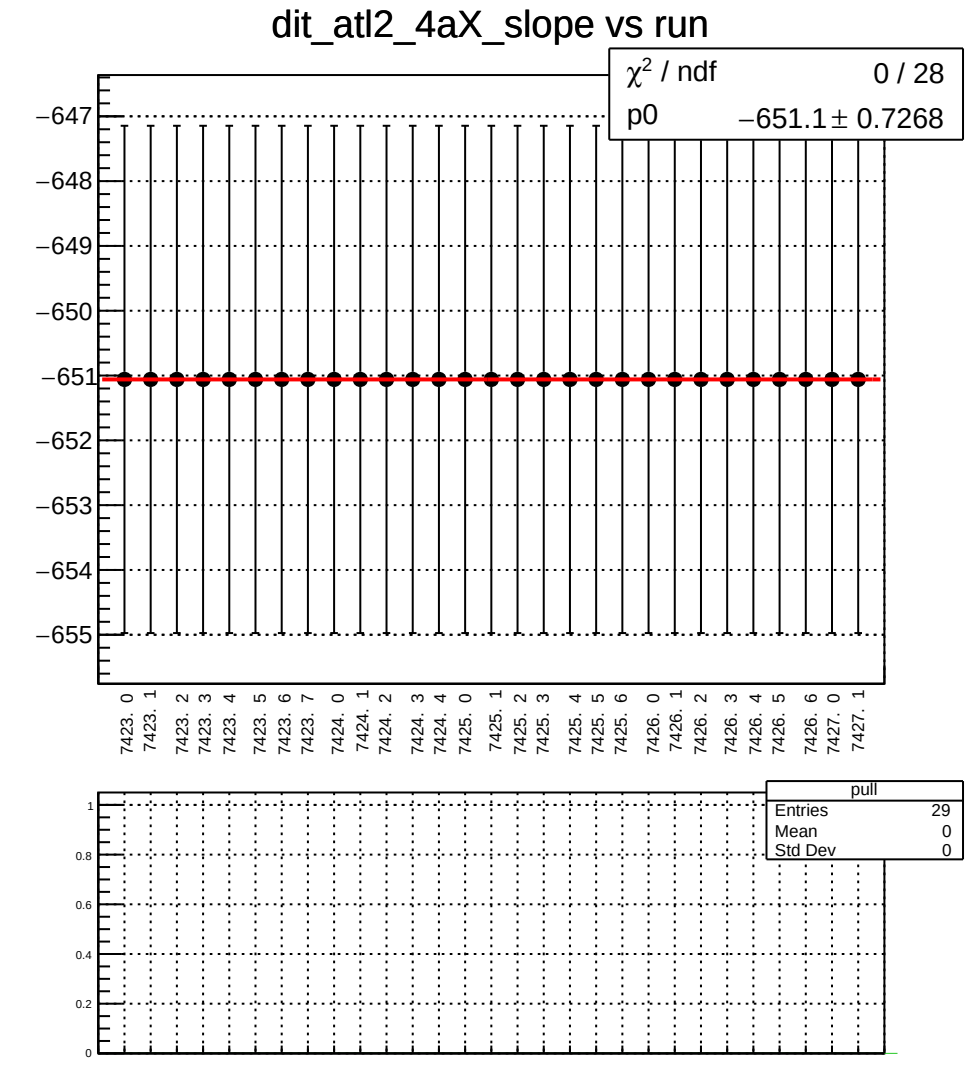

pull1D
Entries 29
Mean −2.378e−15
Std Dev9.169e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

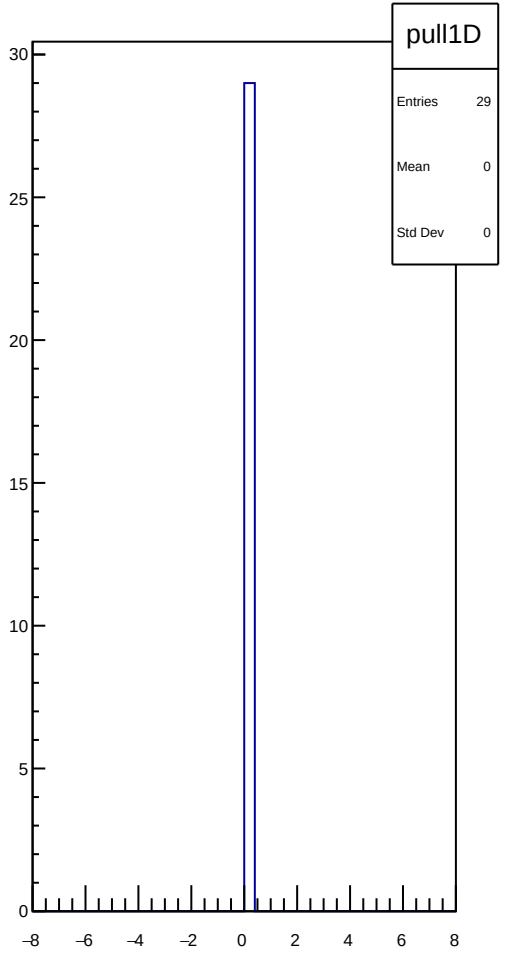

dit_atl1_4aY_slope vs run
χ² / ndf 9.079e−28 / 28
p0 8.273 ± 0.1179
9
8.8
8.6
8.4
8.2
8
7.8
7.6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
pull
Entries 29
Mean 14.5
Std Dev 8.367

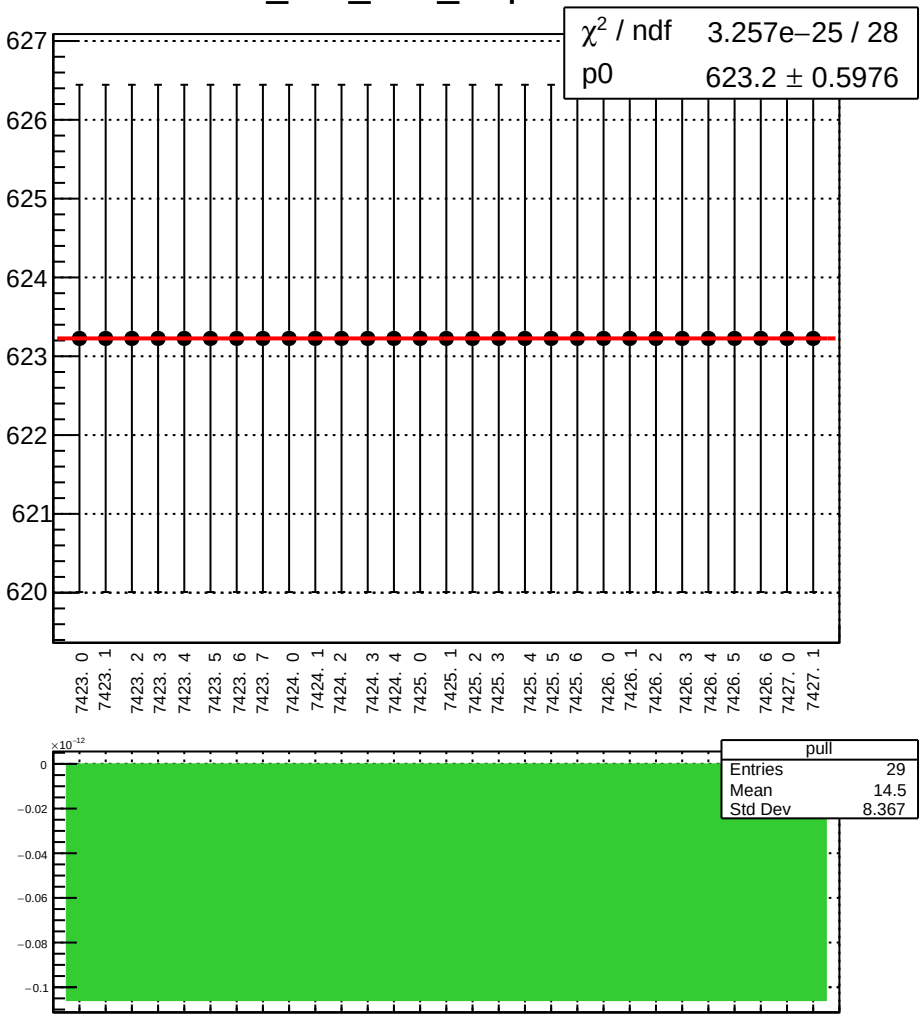

pull1D
Entries 29
Mean 5.595e−15
Std Dev1.981e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

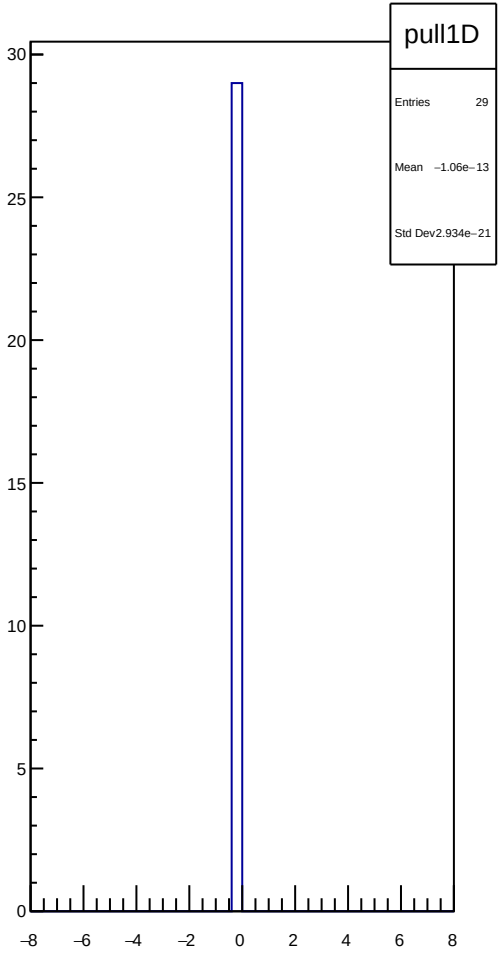

dit_atl1_4eY_slope vs run
χ² / ndf 5.514e−28 / 28
p0 −24.17 ± 0.1513
−23.2
−23.4
−23.6
−23.8
−24
−24.2
−24.4
−24.6
−24.8
−25
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

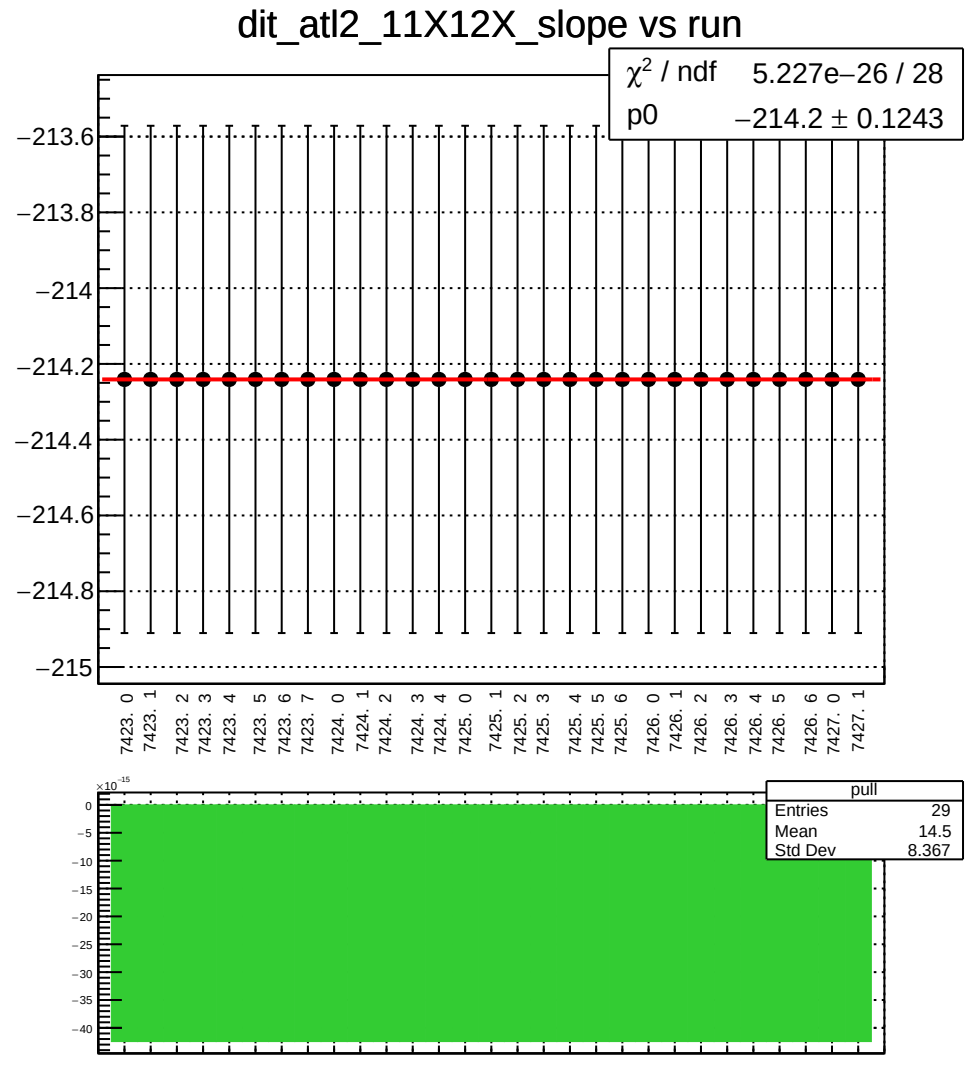

pull1D
Entries 29
Mean 4.361e−15
Std Dev1.059e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

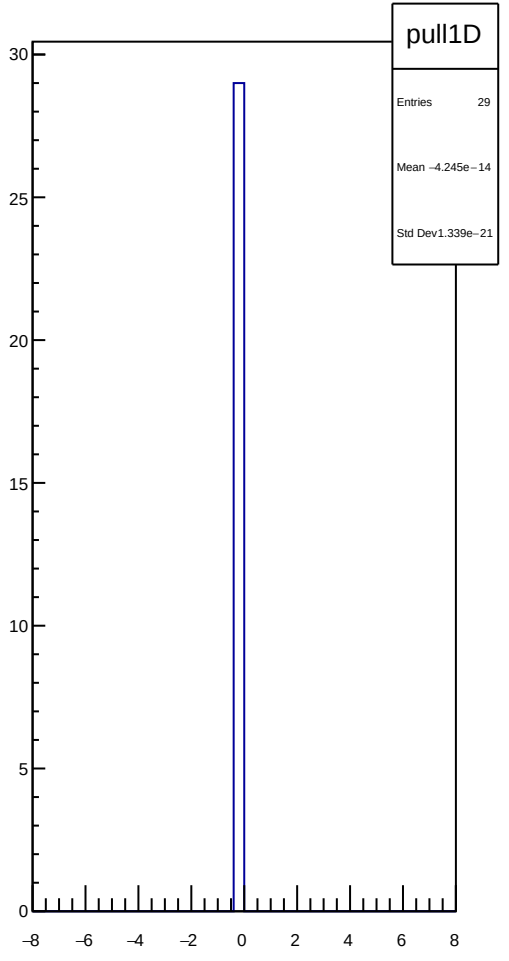

dit_atl2_4aX_slope vs run
χ² / ndf 0 / 28
p0 −651.1 ± 0.7268
−647
−648
−649
−650
−651
−652
−653
−654
−655
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

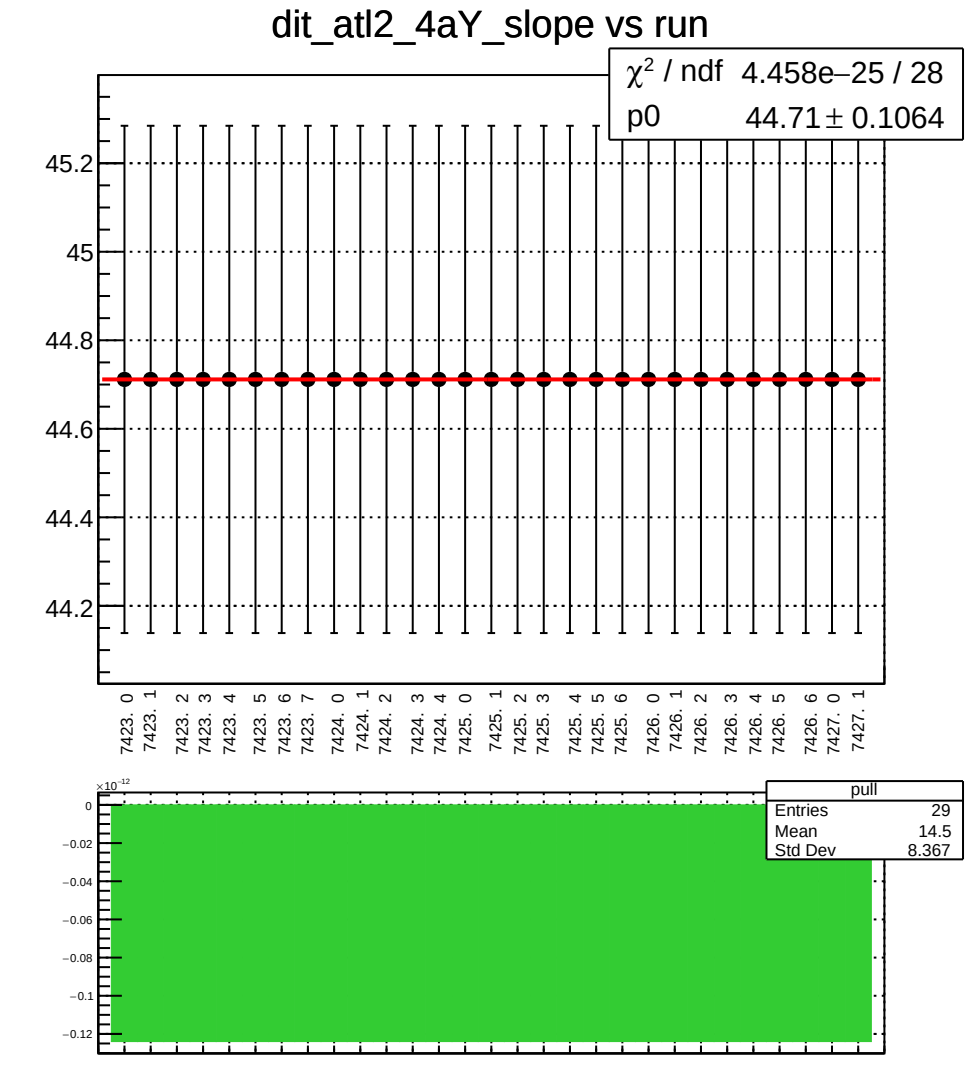

pull1D
Entries 29
Mean 0
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

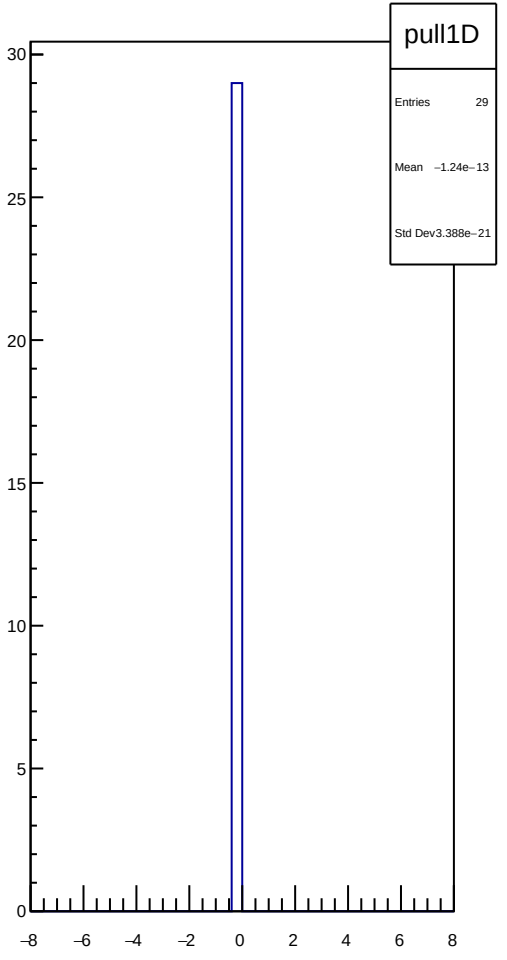

dit_atl2_4eX_slope vs run
χ² / ndf 3.257e−25 / 28
p0 623.2 ± 0.5976
627
626
625
624
623
622
621
620
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 29
Mean 14.5
Std Dev 8.367

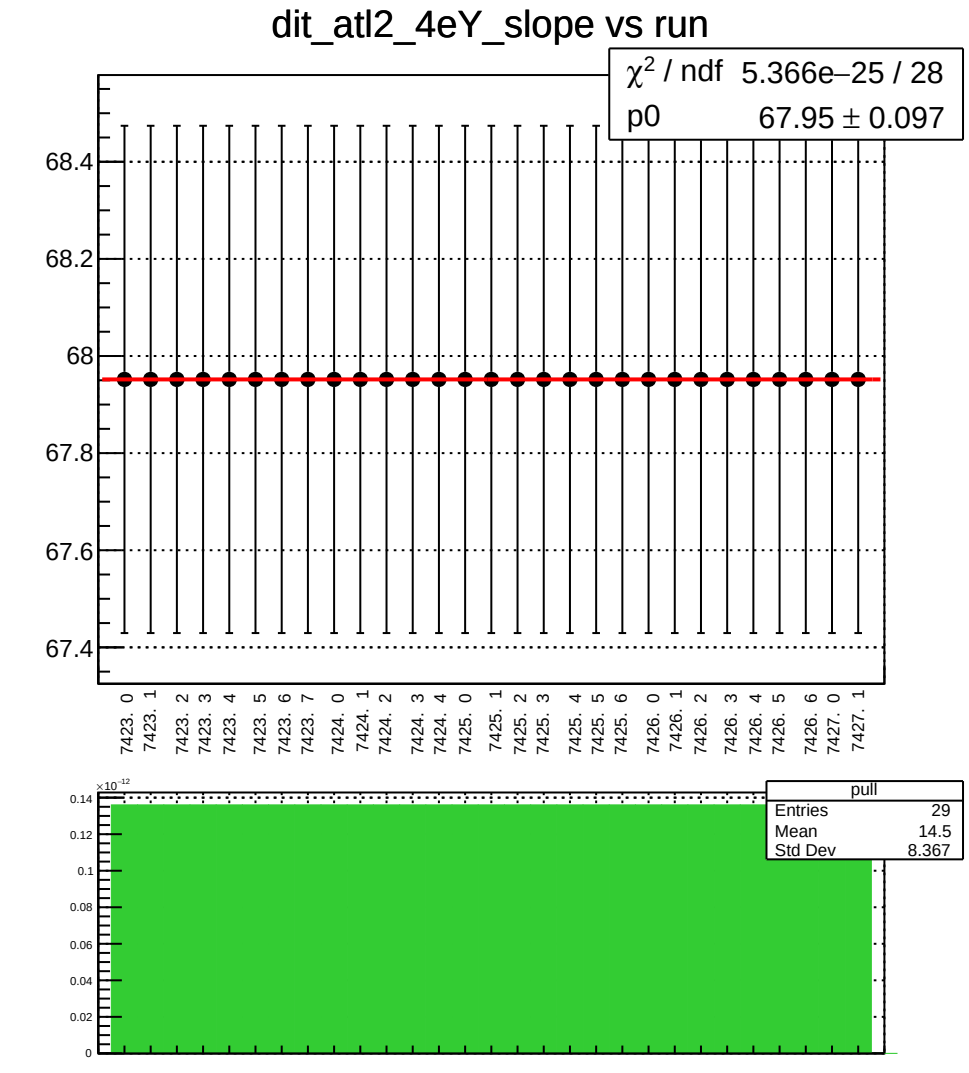

pull1D
Entries 29
Mean −1.06e−13
Std Dev2.934e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

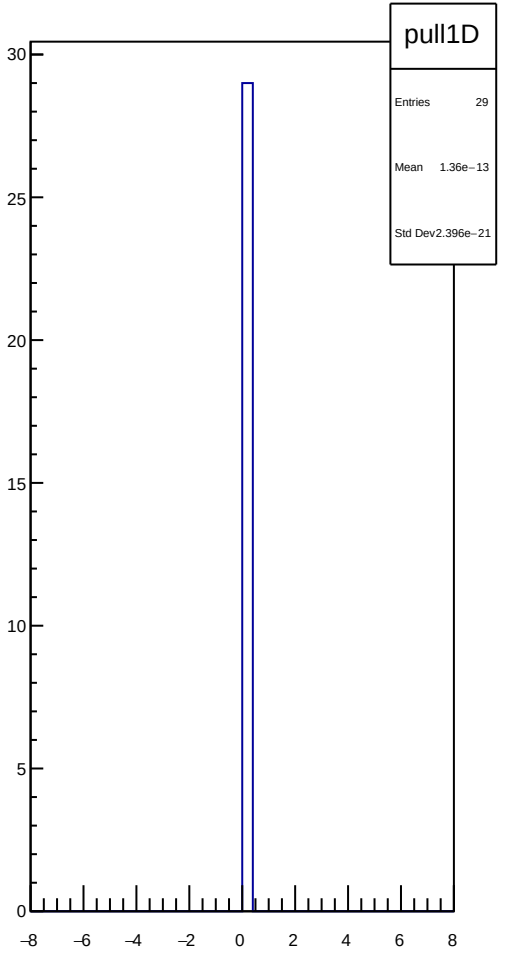

dit_atl2_11X12X_slope vs run
χ² / ndf 5.227e−26 / 28
p0 −214.2 ± 0.1243
−213.6
−213.8
−214
−214.2
−214.4
−214.6
−214.8
−215
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 29
Mean 14.5
Std Dev 8.367

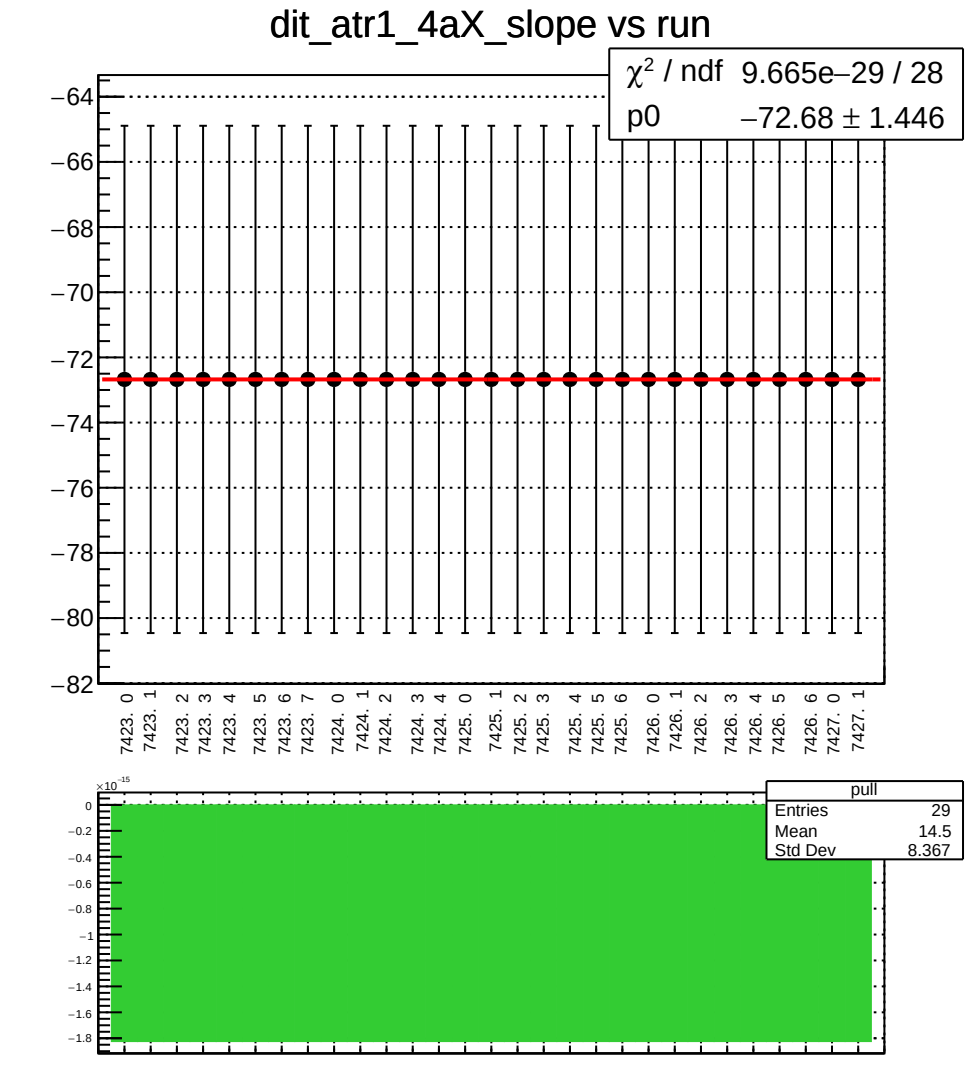

pull1D
Entries 29
Mean −4.245e−14
Std Dev1.339e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

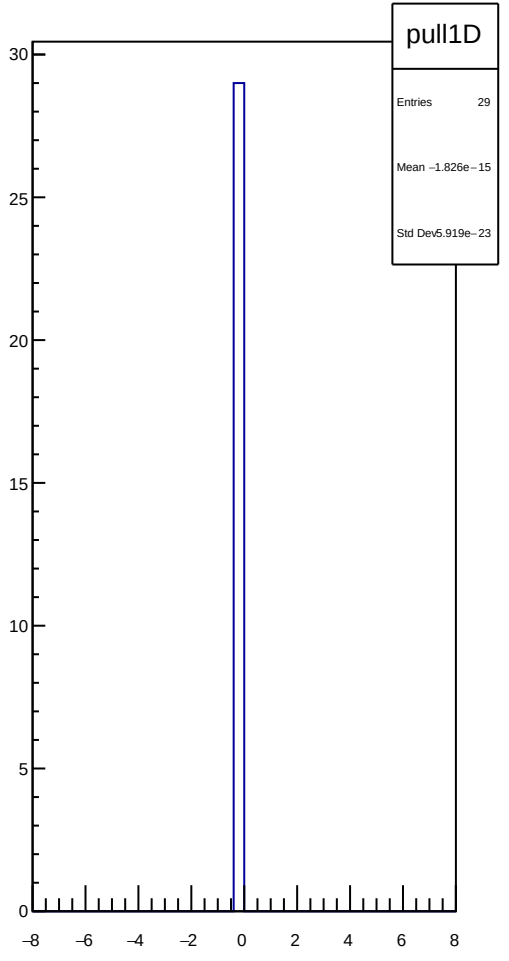

dit_atl2_4aY_slope vs run
χ² / ndf 4.458e−25 / 28
p0 44.71 ± 0.1064
45.2
45
44.8
44.6
44.4
44.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 29
Mean 14.5
Std Dev 8.367

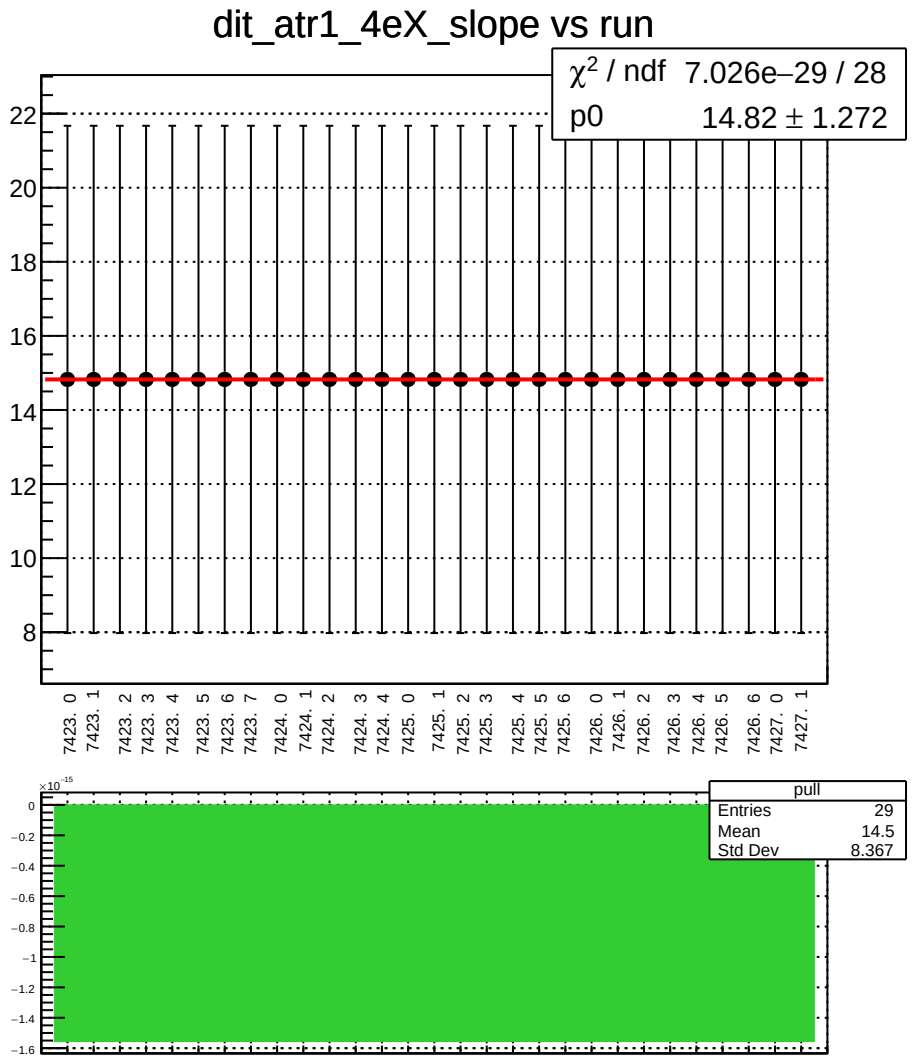

pull1D
Entries 29
Mean −1.24e−13
Std Dev3.388e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

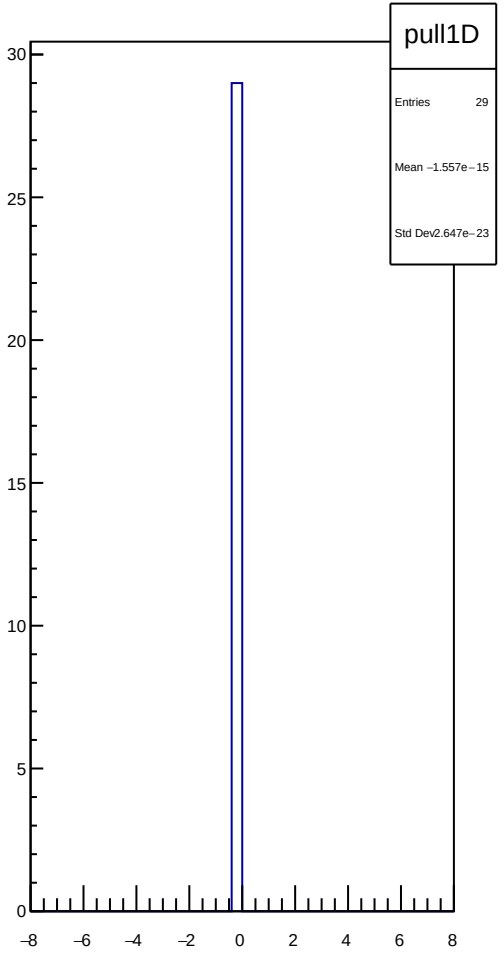

dit_atl2_4eY_slope vs run
χ² / ndf 5.366e−25 / 28
p0 67.95 ± 0.097
68.4
68.2
68
67.8
67.6
67.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

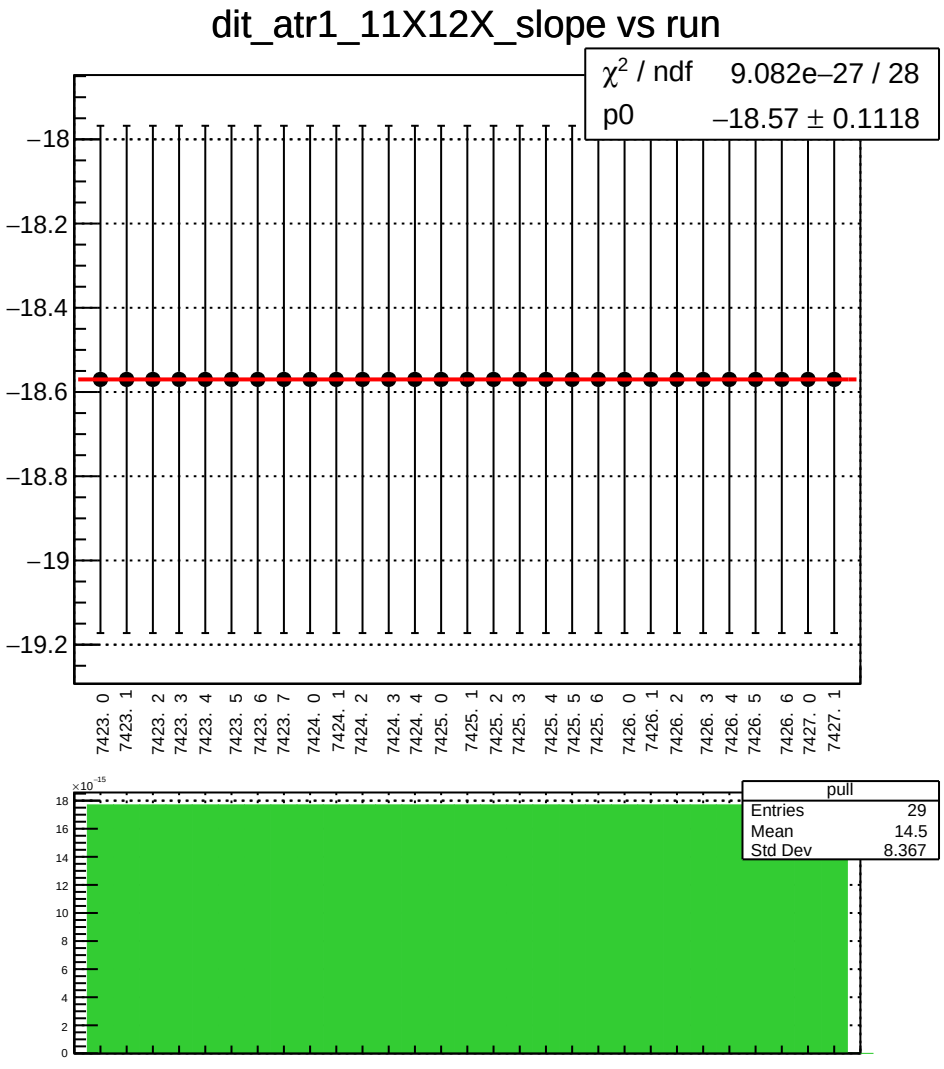

pull1D
Entries 29
Mean 1.36e−13
Std Dev2.396e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

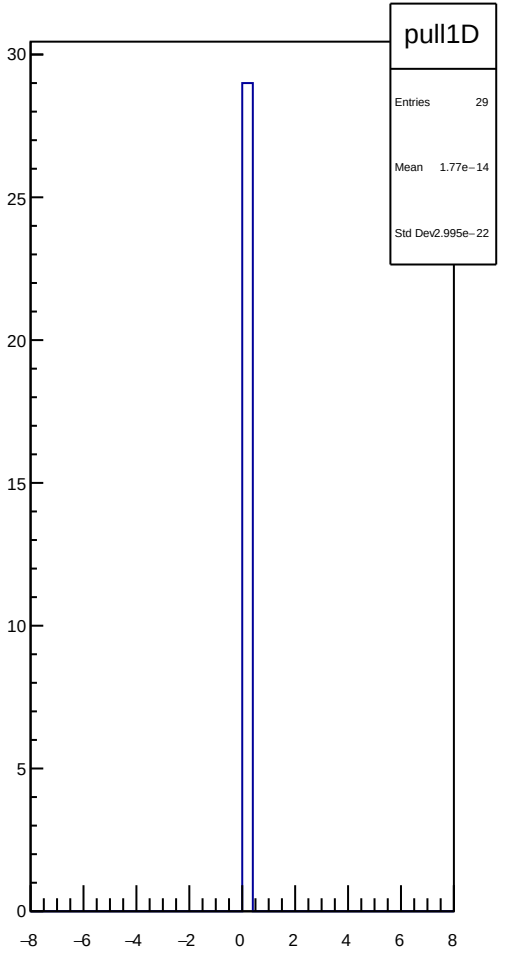

dit_atr1_4aX_slope vs run
χ² / ndf 9.665e−29 / 28
p0 −72.68 ± 1.446
−64
−66
−68
−70
−72
−74
−76
−78
−80
−82
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 29
Mean 14.5
Std Dev 8.367

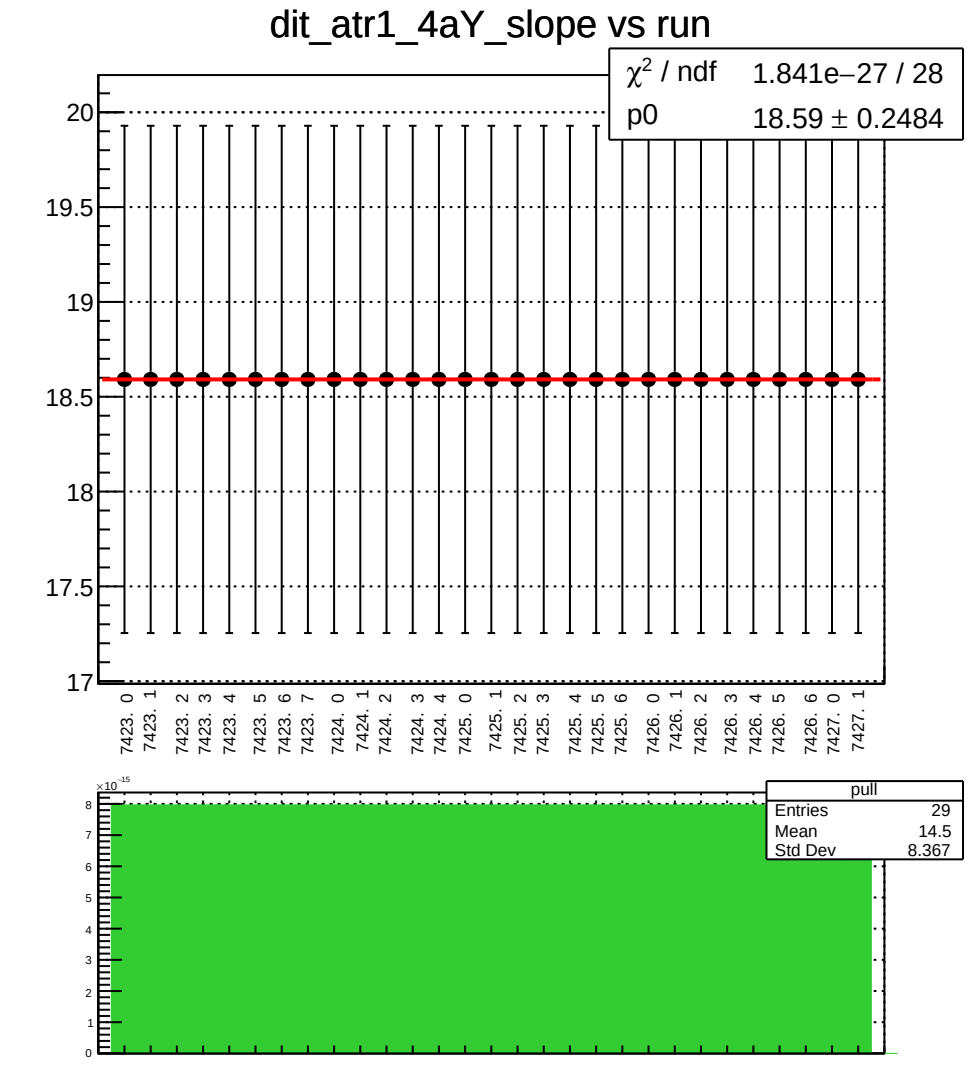

pull1D
Entries 29
Mean −1.826e−15
Std Dev5.919e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

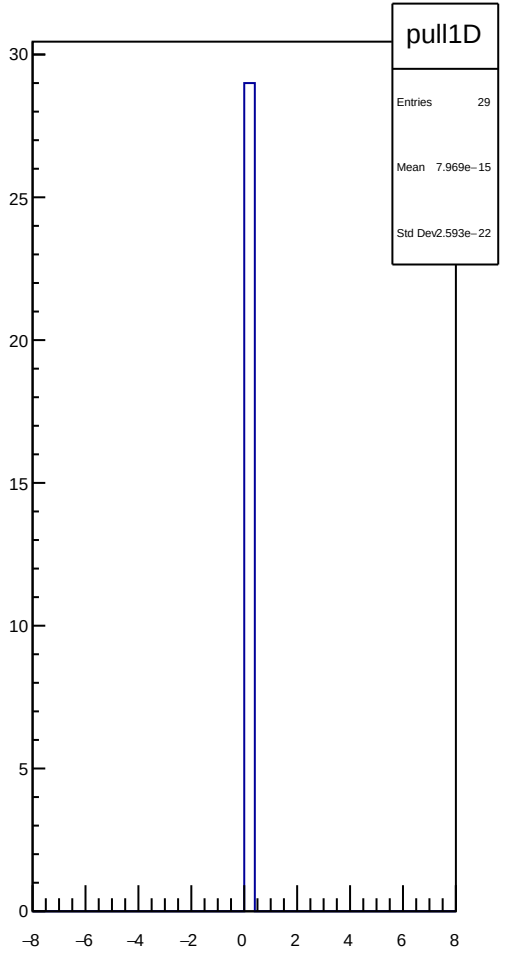

dit_atr1_4eX_slope vs run
χ² / ndf 7.026e−29 / 28
p0 14.82 ± 1.272
22
20
18
16
14
12
10
8
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull
Entries 29
Mean 14.5
Std Dev 8.367

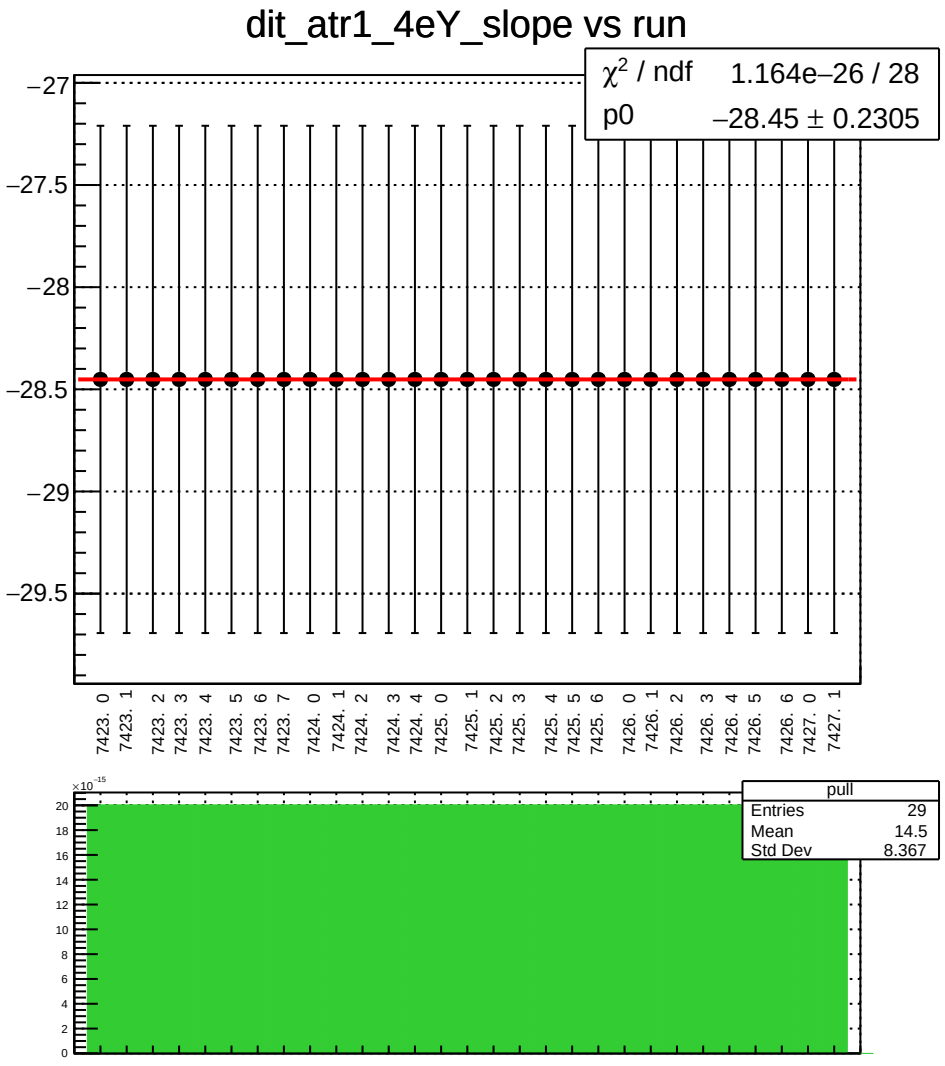

pull1D
Entries 29
Mean −1.557e−15
Std Dev 2.647e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

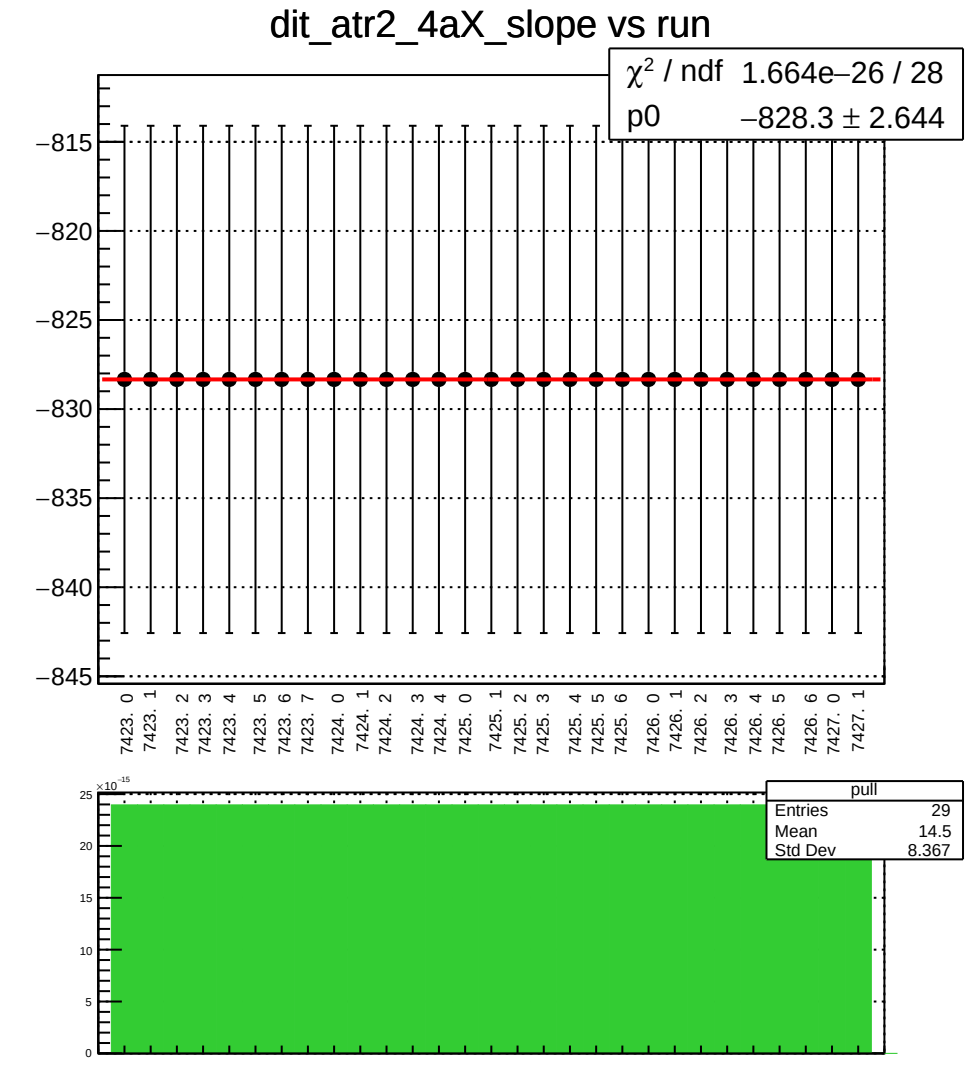

dit_atr1_11X12X_slope vs run
χ² / ndf 9.082e−27 / 28
p0 −18.57 ± 0.1118
−18
−18.2
−18.4
−18.6
−18.8
−19
−19.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
pull
Entries 29
Mean 14.5
Std Dev 8.367

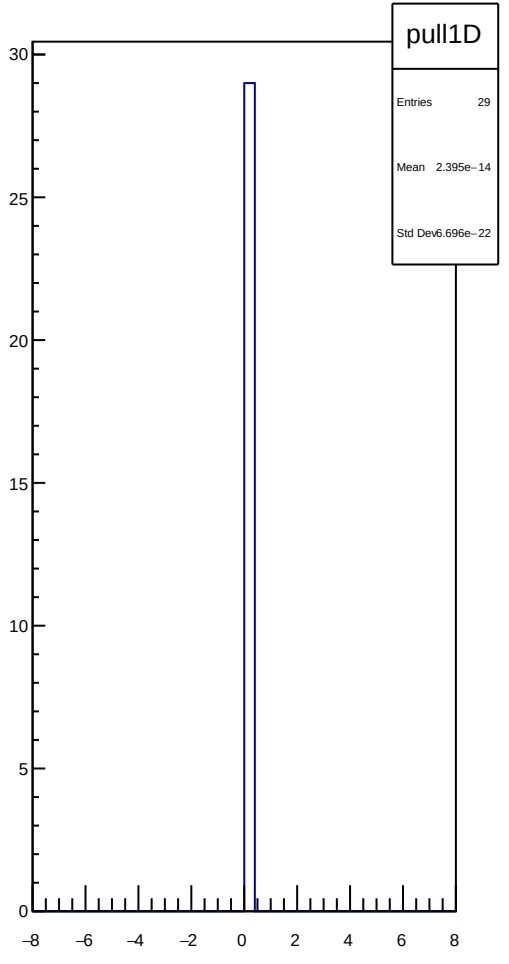

pull1D
Entries 29
Mean 1.77e−14
Std Dev 2.995e−22

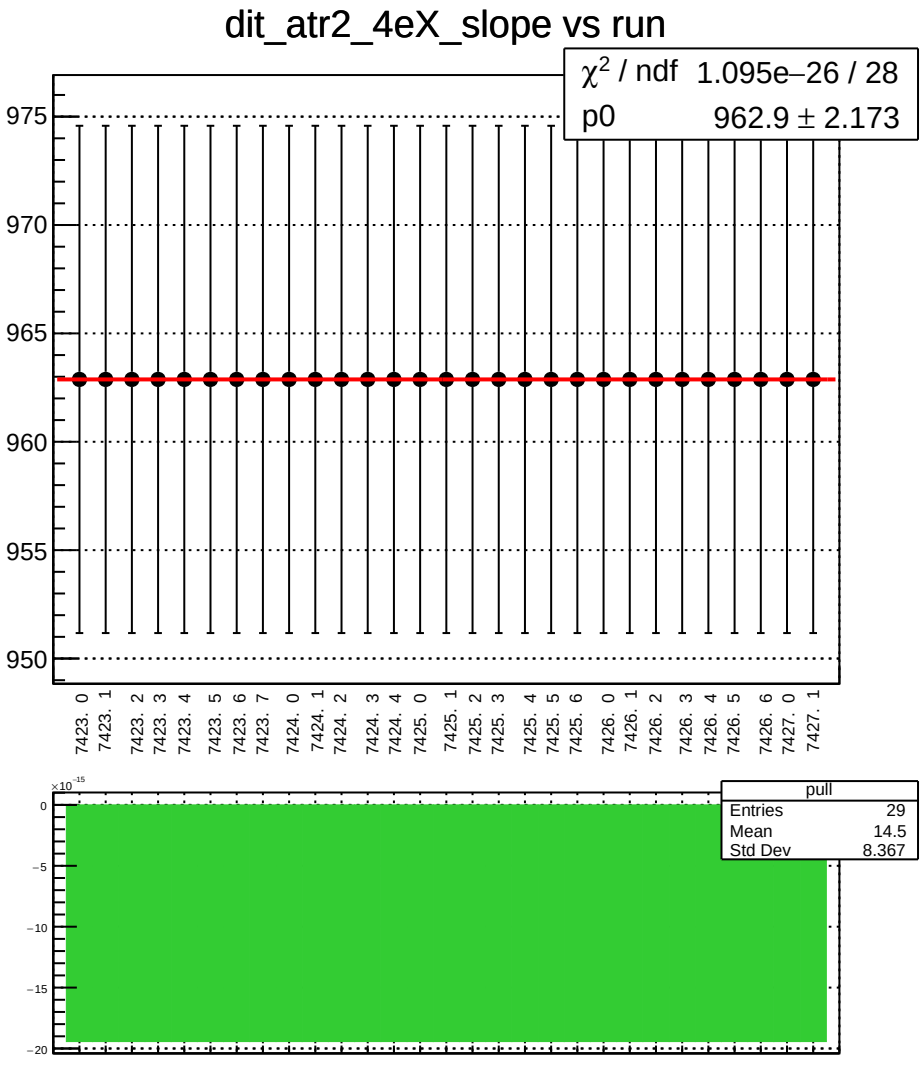

dit_atr1_4aY_slope vs run
χ² / ndf 1.841e−27 / 28
p0 18.59 ± 0.2484
20
19.5
19
18.5
18
17.5
17
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
8
7
6
5
4
3
2
1
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

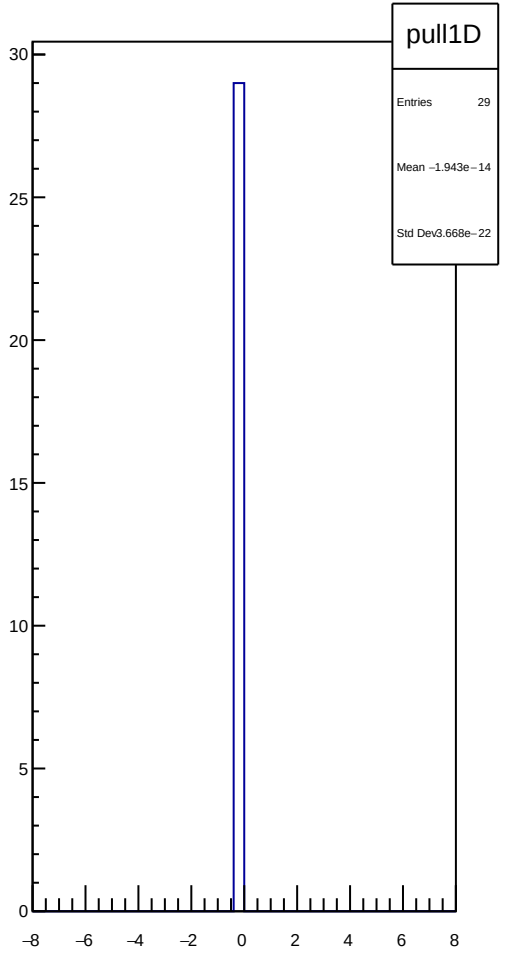

pull1D
Entries 29
Mean 7.969e−15
Std Dev 2.593e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

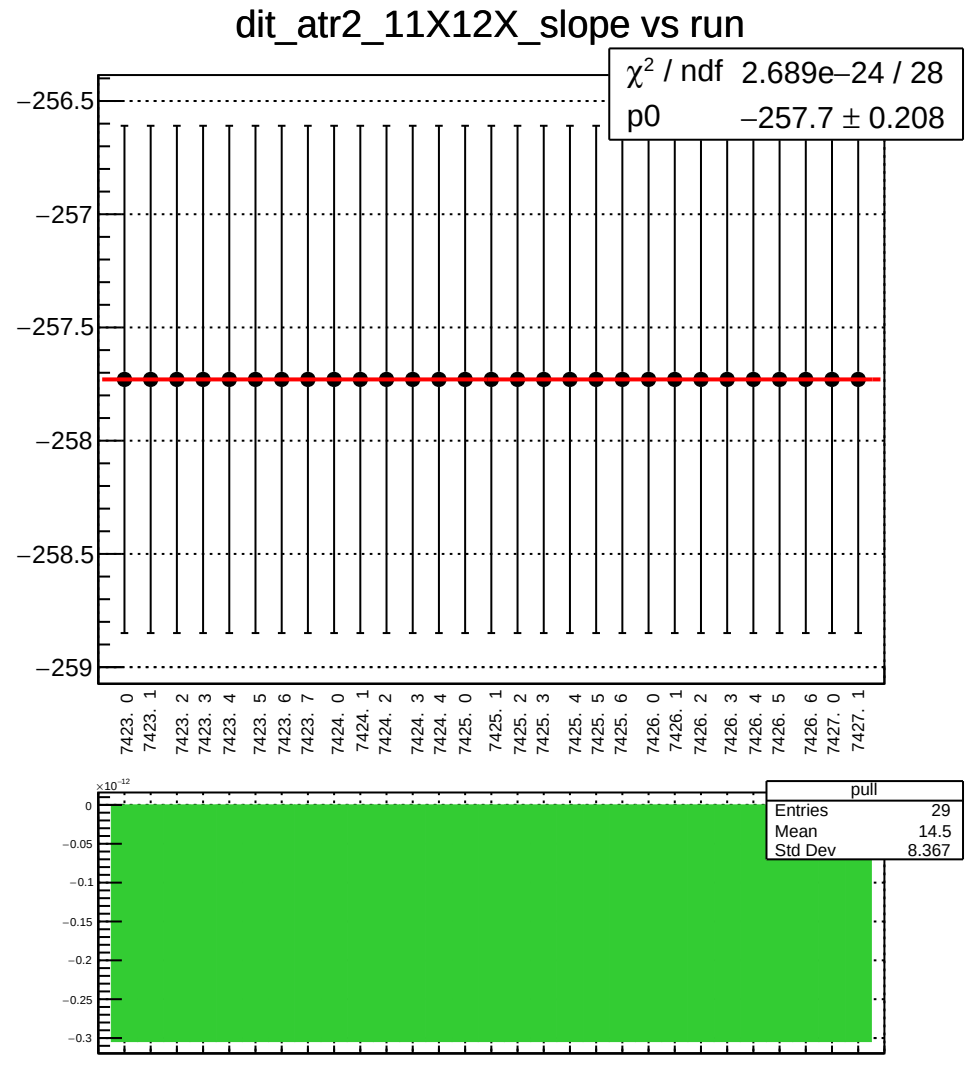

dit_atr1_4eY_slope vs run
χ² / ndf 1.164e−26 / 28
p0 −28.45 ± 0.2305
−27
−27.5
−28
−28.5
−29
−29.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
pull
Entries 29
Mean 14.5
Std Dev 8.367
pull1D
Entries 29
Mean 2.003e−14
Std Dev 2.995e−22

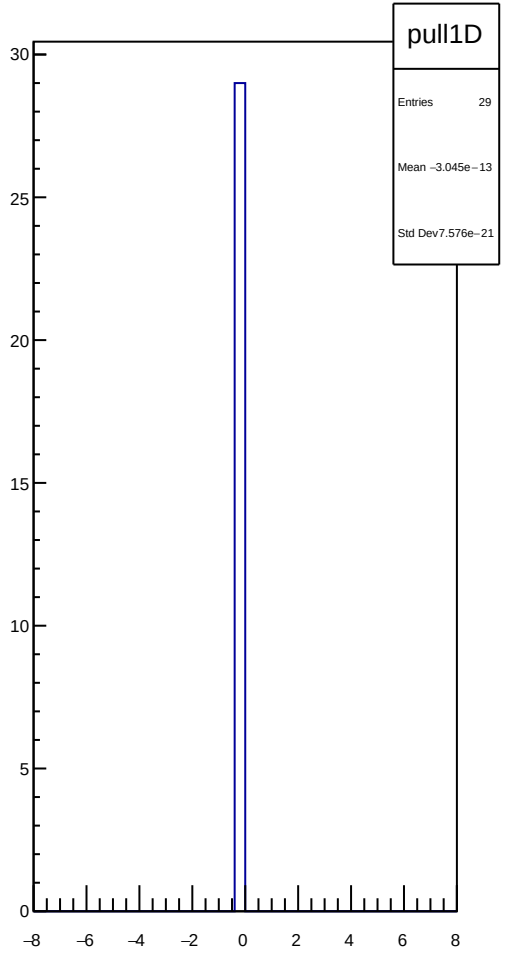

dit_atr2_4aX_slope vs run
χ² / ndf 1.664e−26 / 28
p0 −828.3 ± 2.644
−815
−820
−825
−830
−835
−840
−845
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

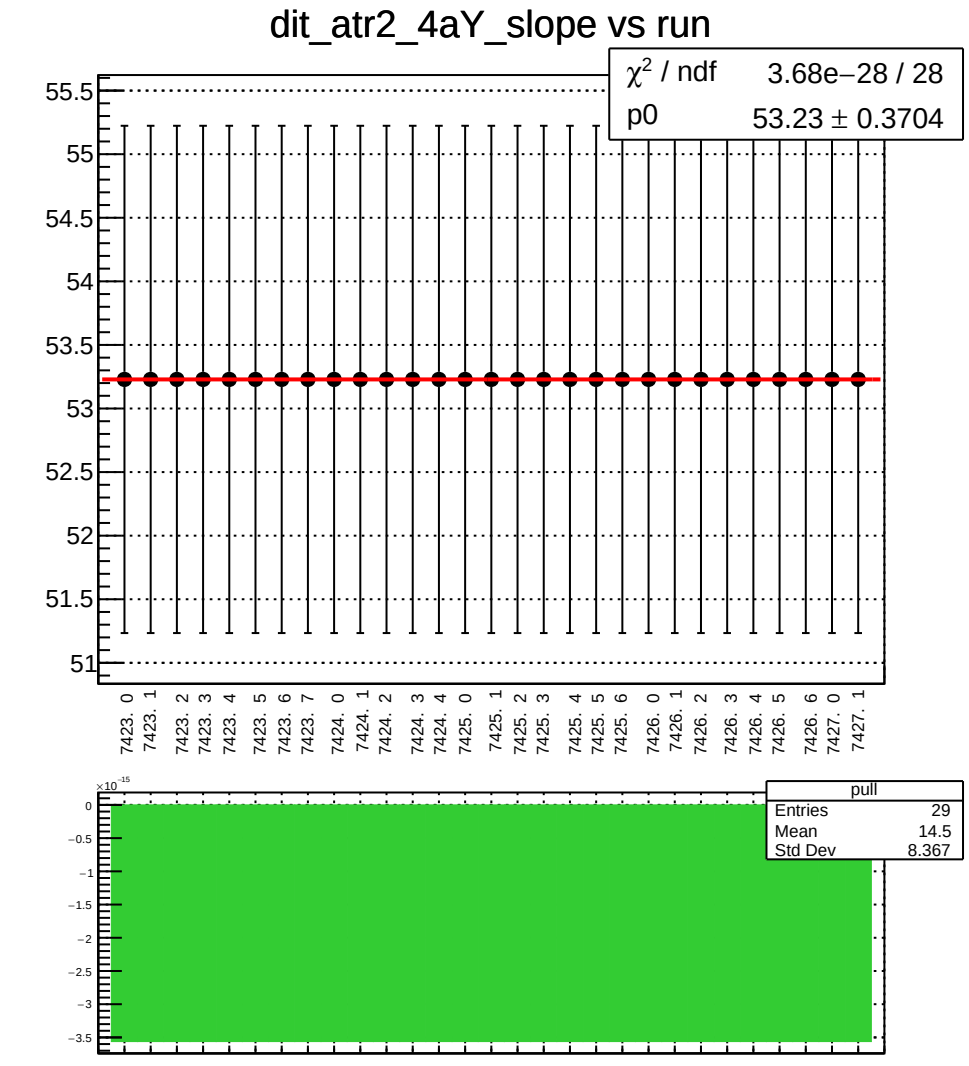

pull1D
Entries 29
Mean 2.395e−14
Std Dev 6.696e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

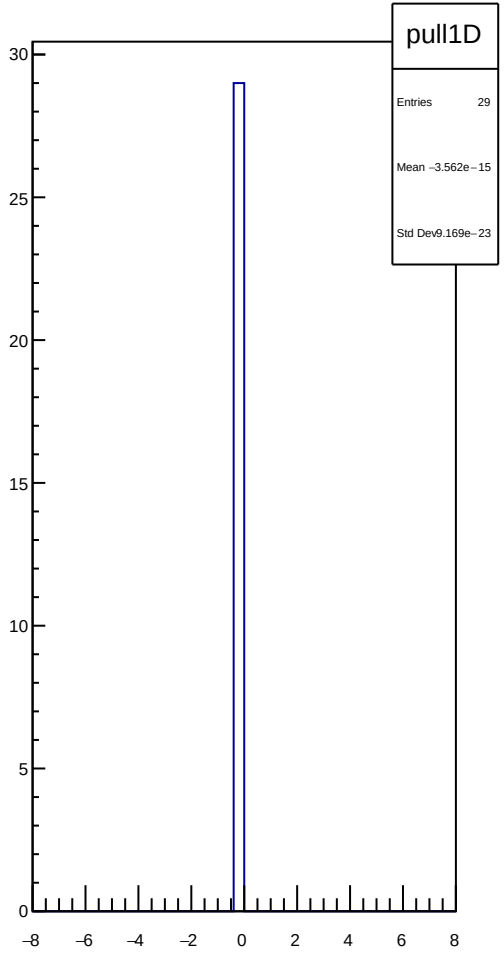

dit_atr2_4eX_slope vs run
χ² / ndf 1.095e−26 / 28
p0 962.9 ± 2.173
975
970
965
960
955
950
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 29
Mean 14.5
Std Dev 8.367

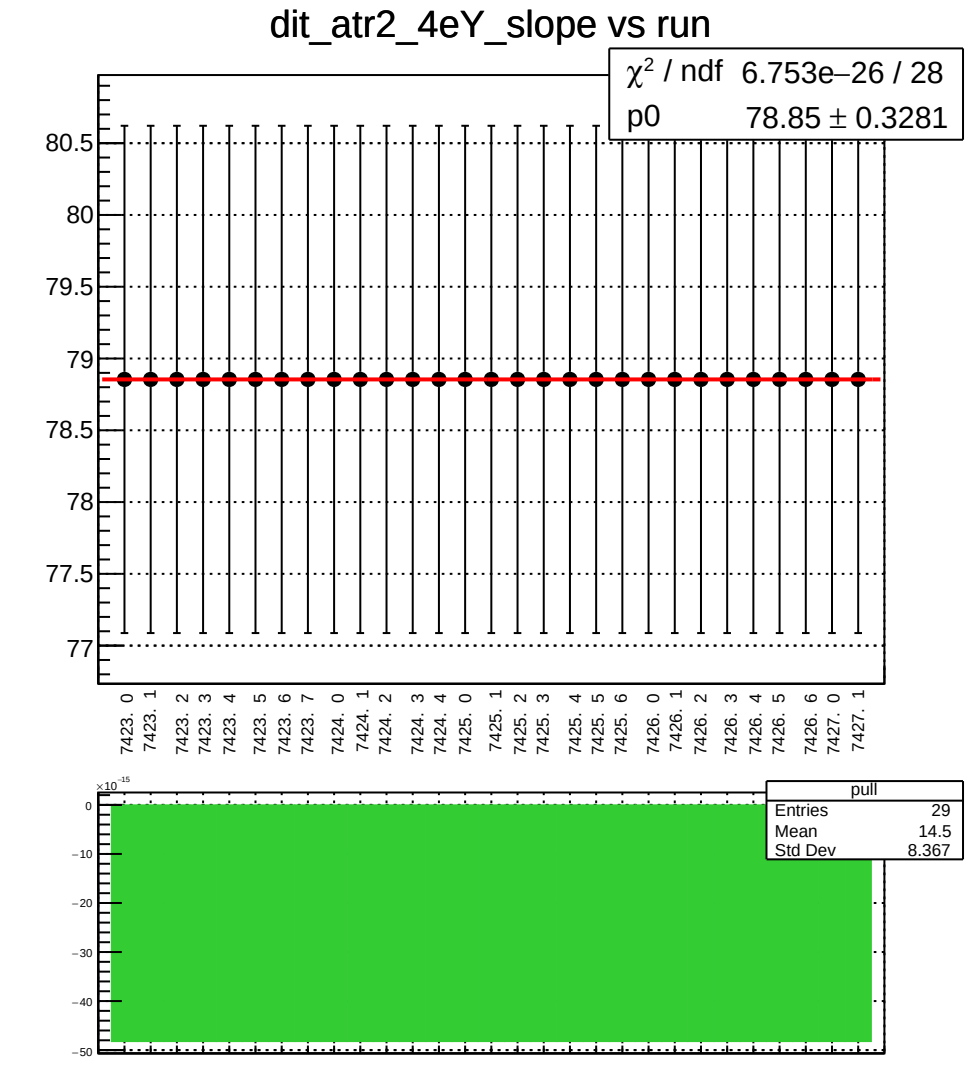

pull1D
Entries 29
Mean −1.943e−14
Std Dev3.668e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

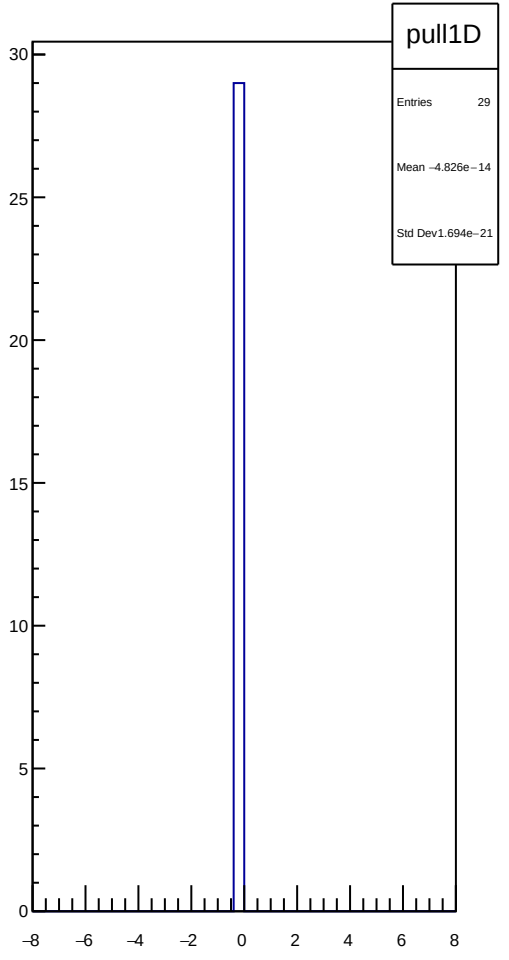

dit_atr2_11X12X_slope vs run
χ² / ndf 2.689e−24 / 28
p0 −257.7 ± 0.208
−256.5
−257
−257.5
−258
−258.5
−259
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 29
Mean 14.5
Std Dev 8.367

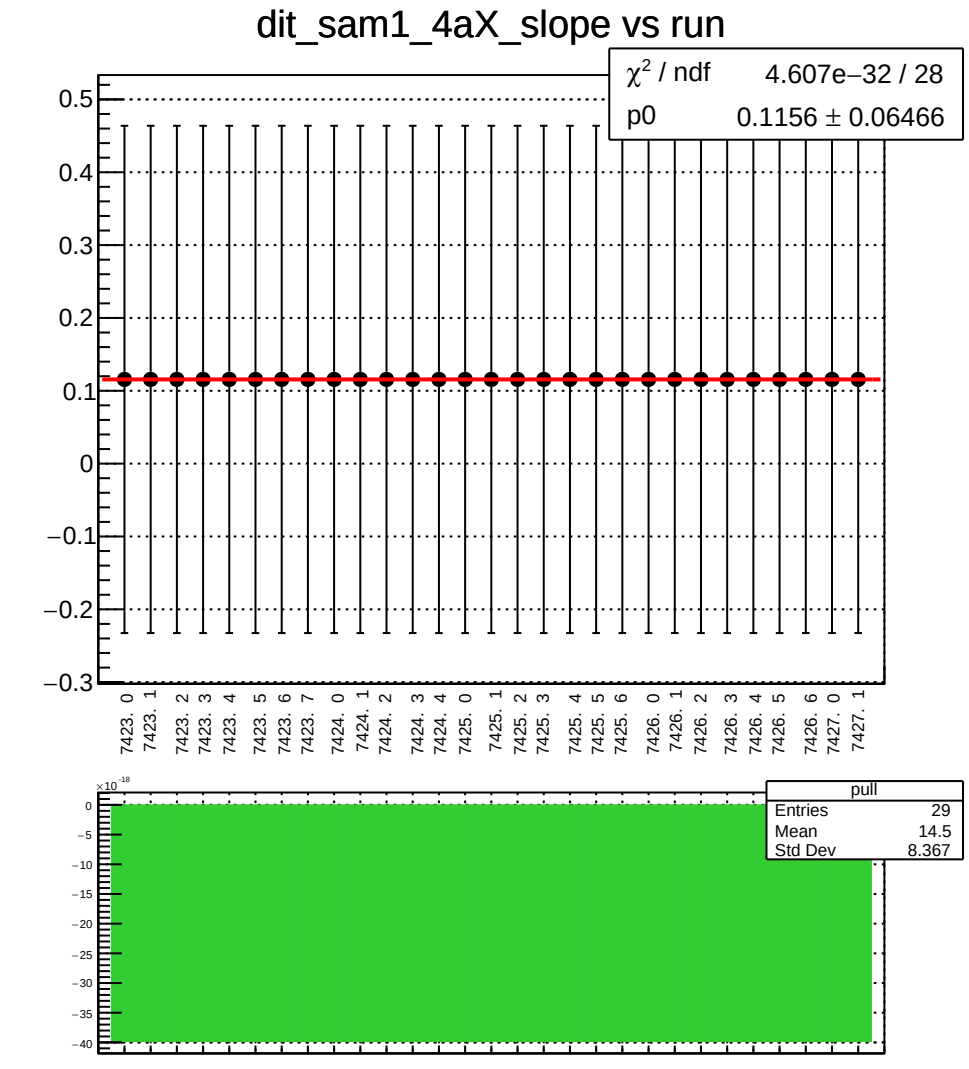

pull1D
Entries 29
Mean −3.045e−13
Std Dev7.576e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

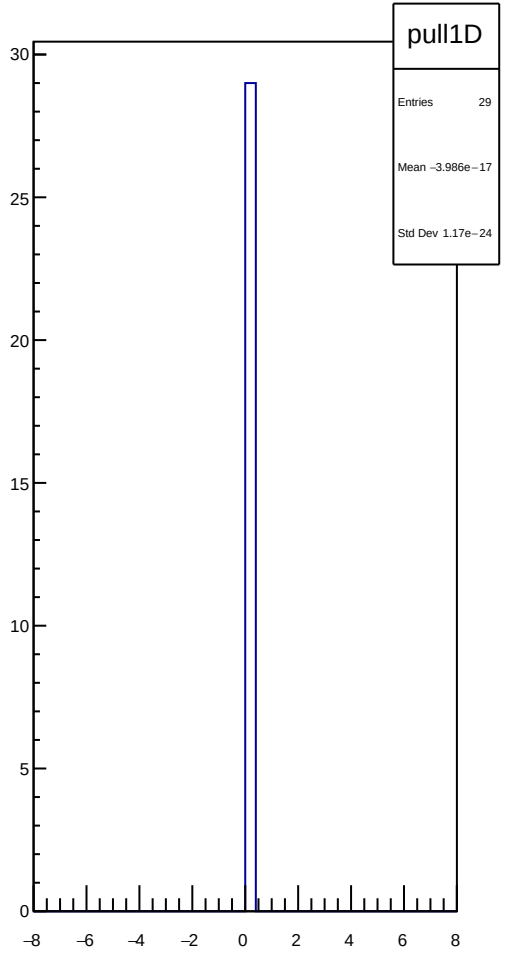

dit_atr2_4aY_slope vs run
χ² / ndf 3.68e−28 / 28
p0 53.23 ± 0.3704
55.5
55
54.5
54
53.5
53
52.5
52
51.5
51
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull
Entries 29
Mean 14.5
Std Dev 8.367

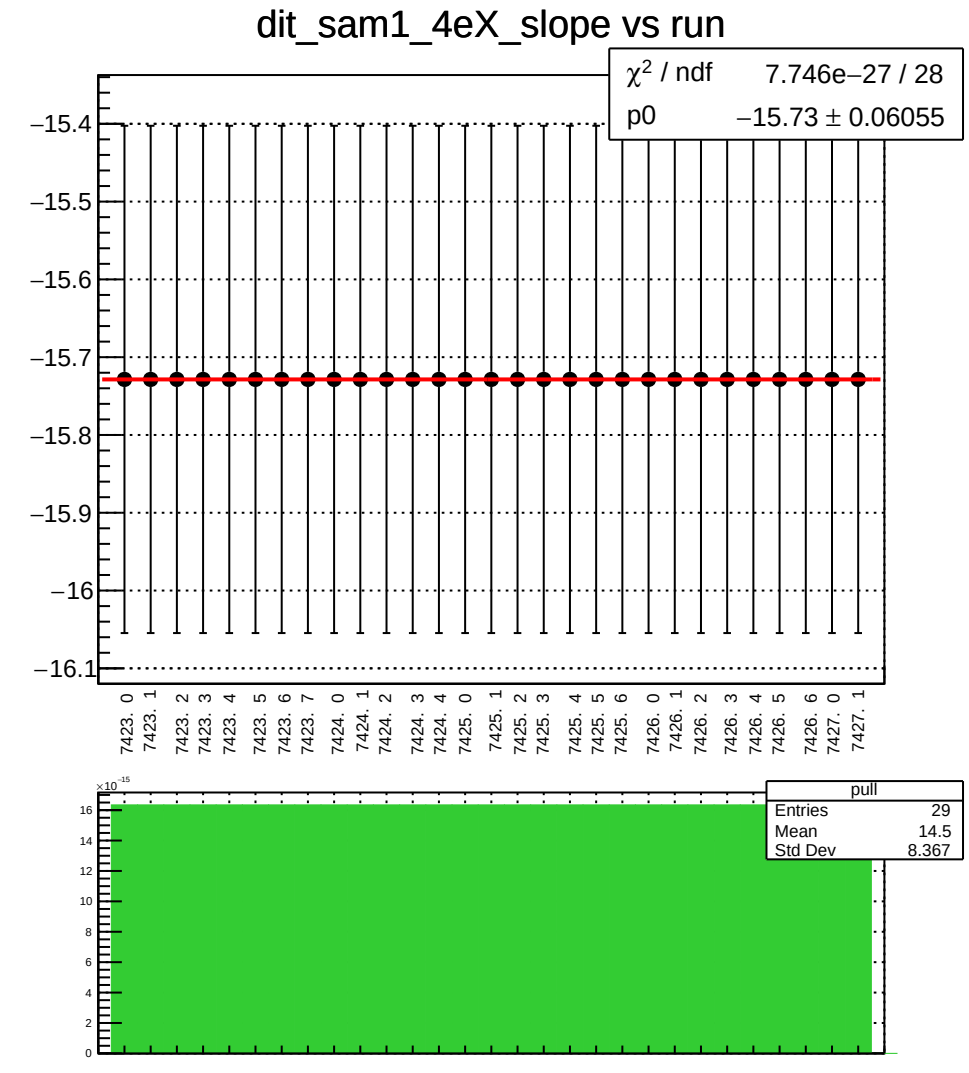

pull1D
Entries 29
Mean −3.562e−15
Std Dev9.169e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

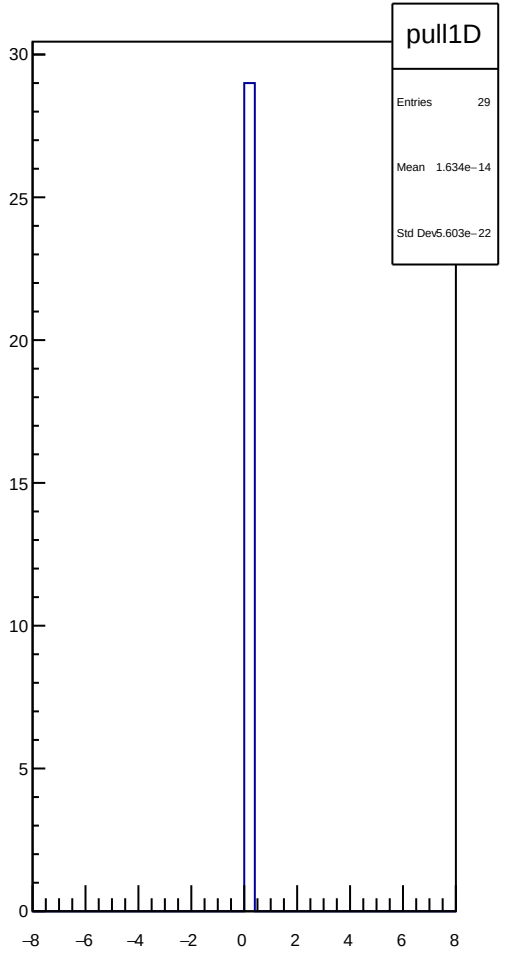

dit_atr2_4eY_slope vs run
χ² / ndf 6.753e−26 / 28
p0 78.85 ± 0.3281
80.5
80
79.5
79
78.5
78
77.5
77
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 29
Mean 14.5
Std Dev 8.367

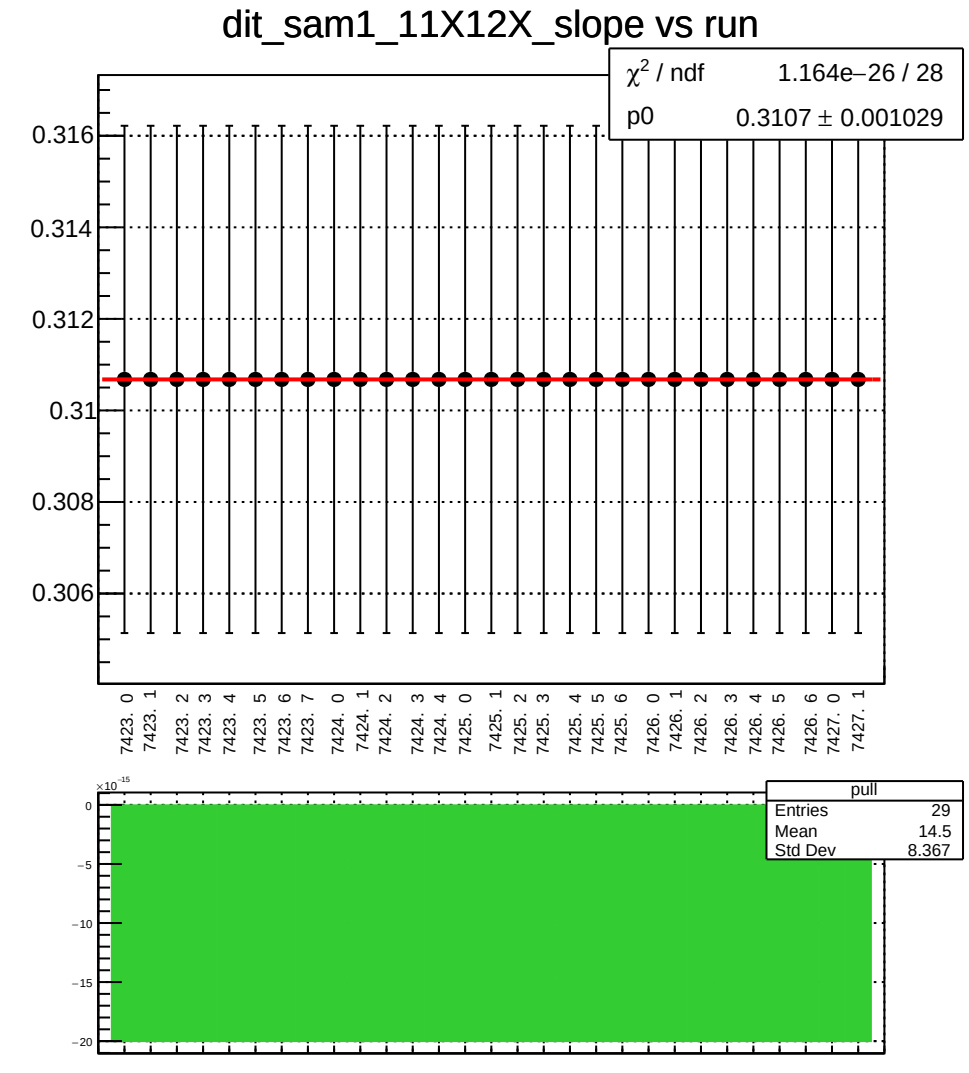

pull1D
Entries 29
Mean −4.826e−14
Std Dev1.694e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

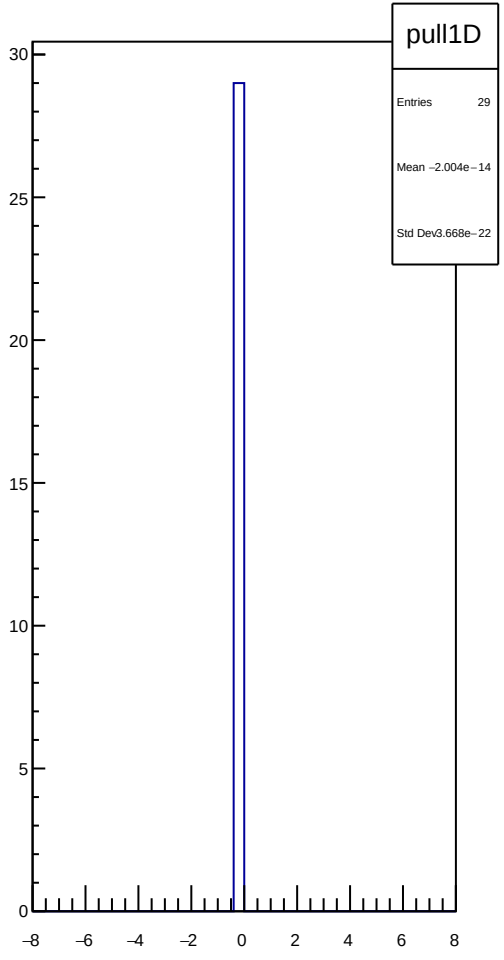

dit_sam1_4aX_slope vs run
χ² / ndf 4.607e−32 / 28
p0 0.1156 ± 0.06466
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁸
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 29
Mean 14.5
Std Dev 8.367

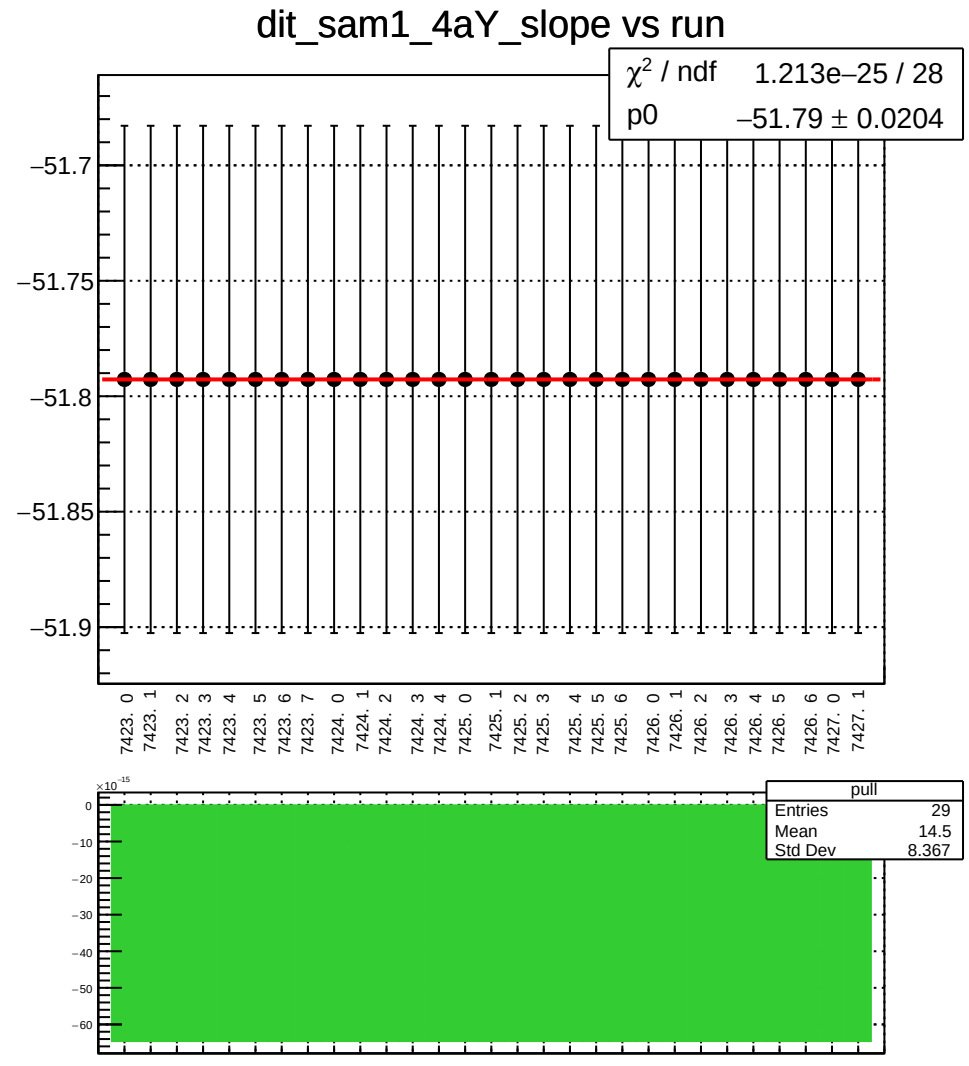

pull1D
Entries 29
Mean −3.986e−17
Std Dev 1.17e−24
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

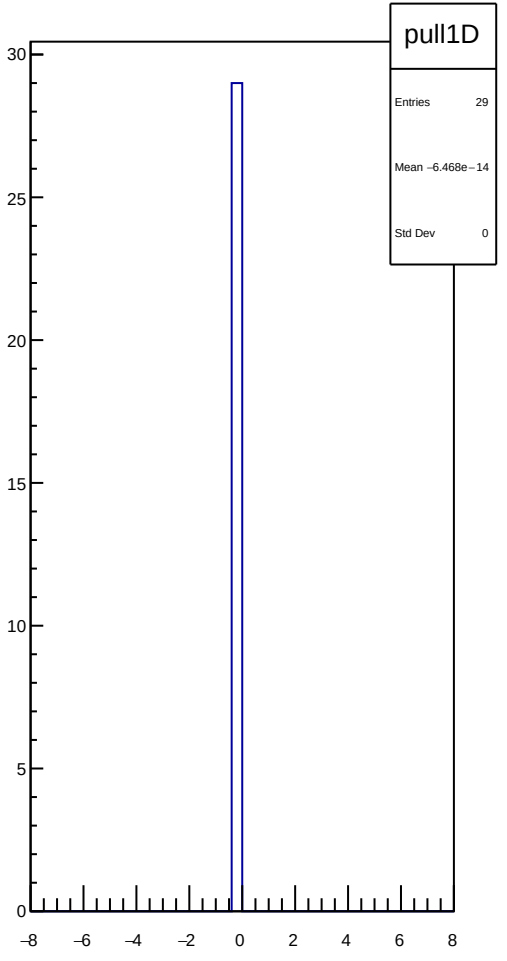

dit_sam1_4eX_slope vs run
χ² / ndf 7.746e−27 / 28
p0 −15.73 ± 0.06055
−15.4
−15.5
−15.6
−15.7
−15.8
−15.9
−16
−16.1
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
pull
Entries 29
Mean 14.5
Std Dev 8.367

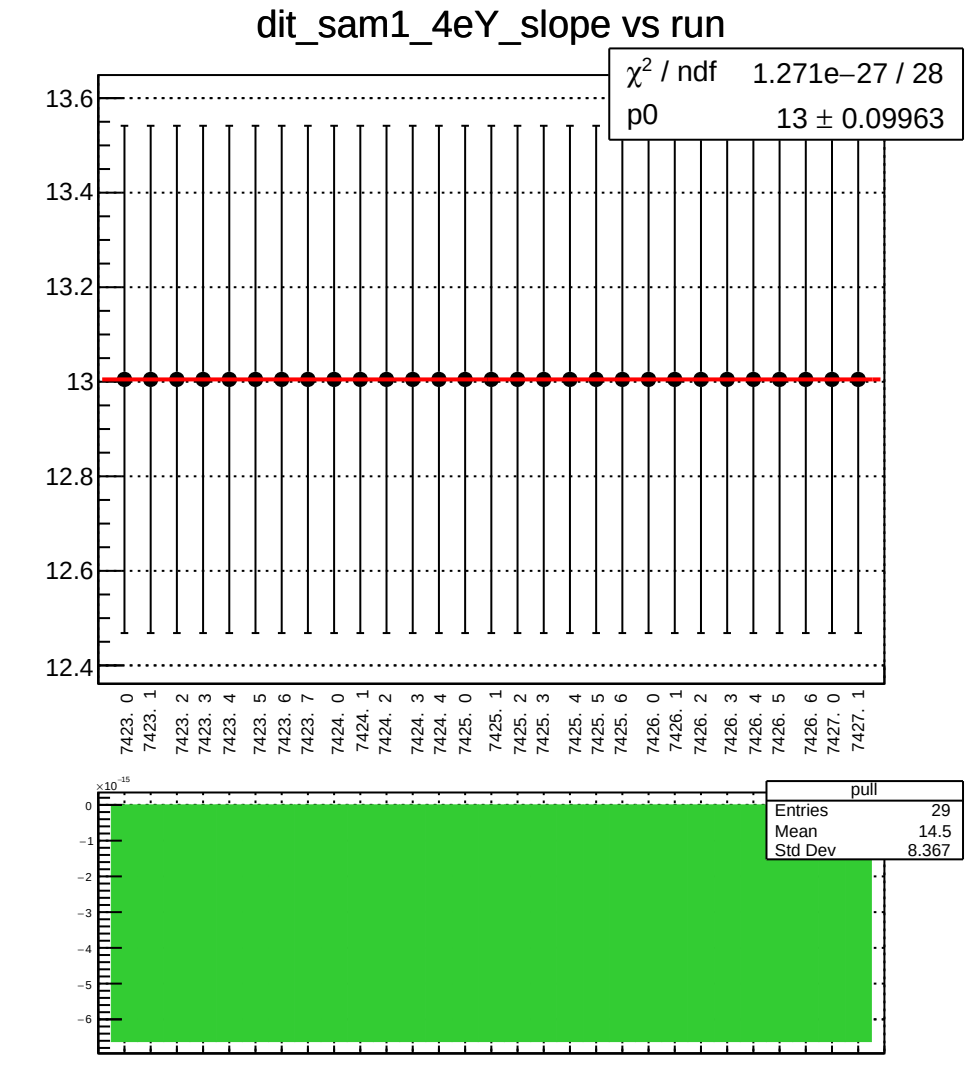

pull1D
Entries 29
Mean 1.634e−14
Std Dev5.603e−22

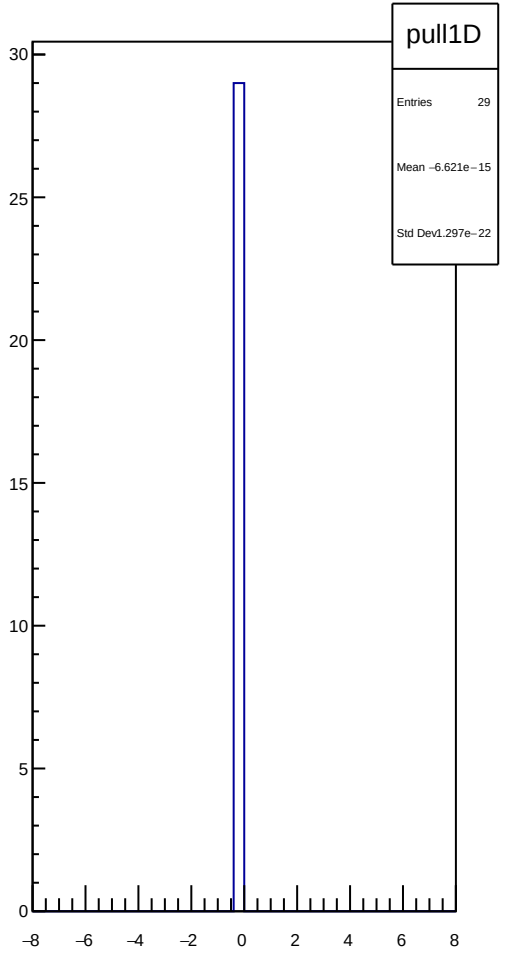

dit_sam1_11X12X_slope vs run
χ² / ndf 1.164e−26 / 28
p0 0.3107 ± 0.001029
0.316
0.314
0.312
0.31
0.308
0.306
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 29
Mean 14.5
Std Dev 8.367

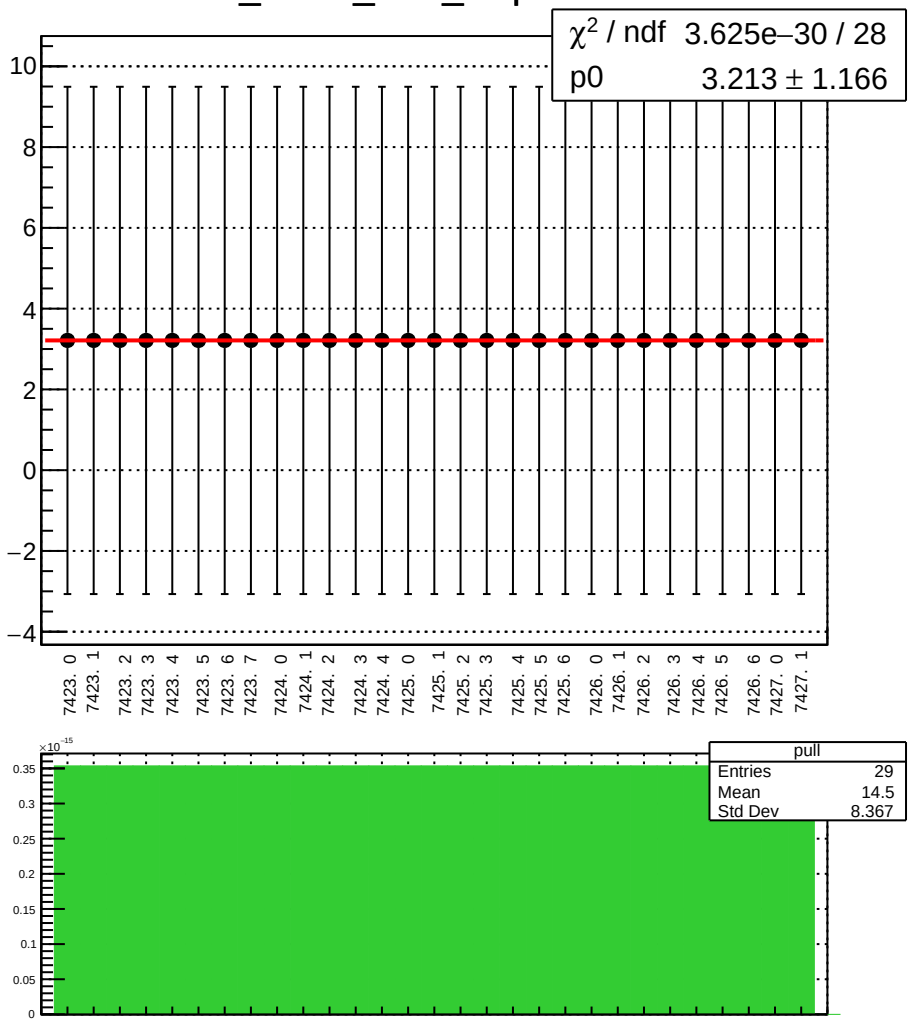

pull1D
Entries 29
Mean −2.004e−14
Std Dev3.668e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

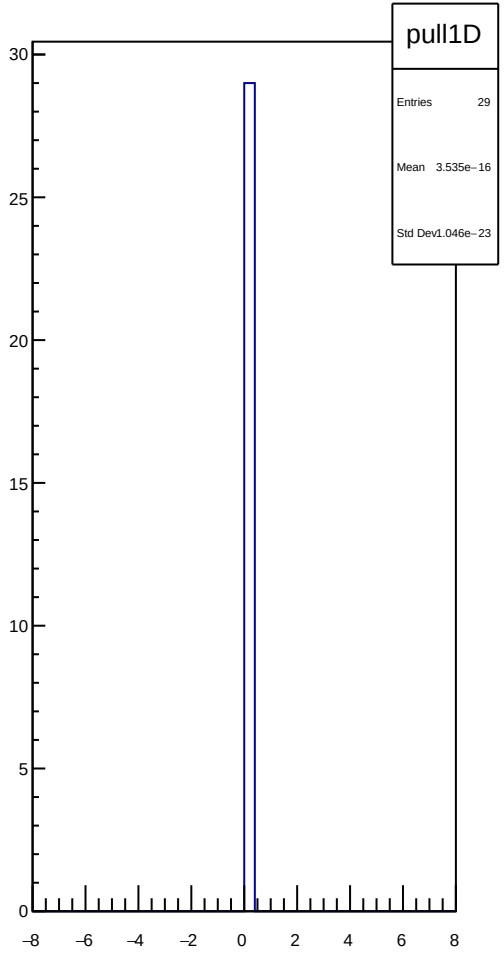

dit_sam1_4aY_slope vs run
χ² / ndf 1.213e−25 / 28
p0 −51.79 ± 0.0204
−51.7
−51.75
−51.8
−51.85
−51.9
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull
Entries 29
Mean 14.5
Std Dev 8.367

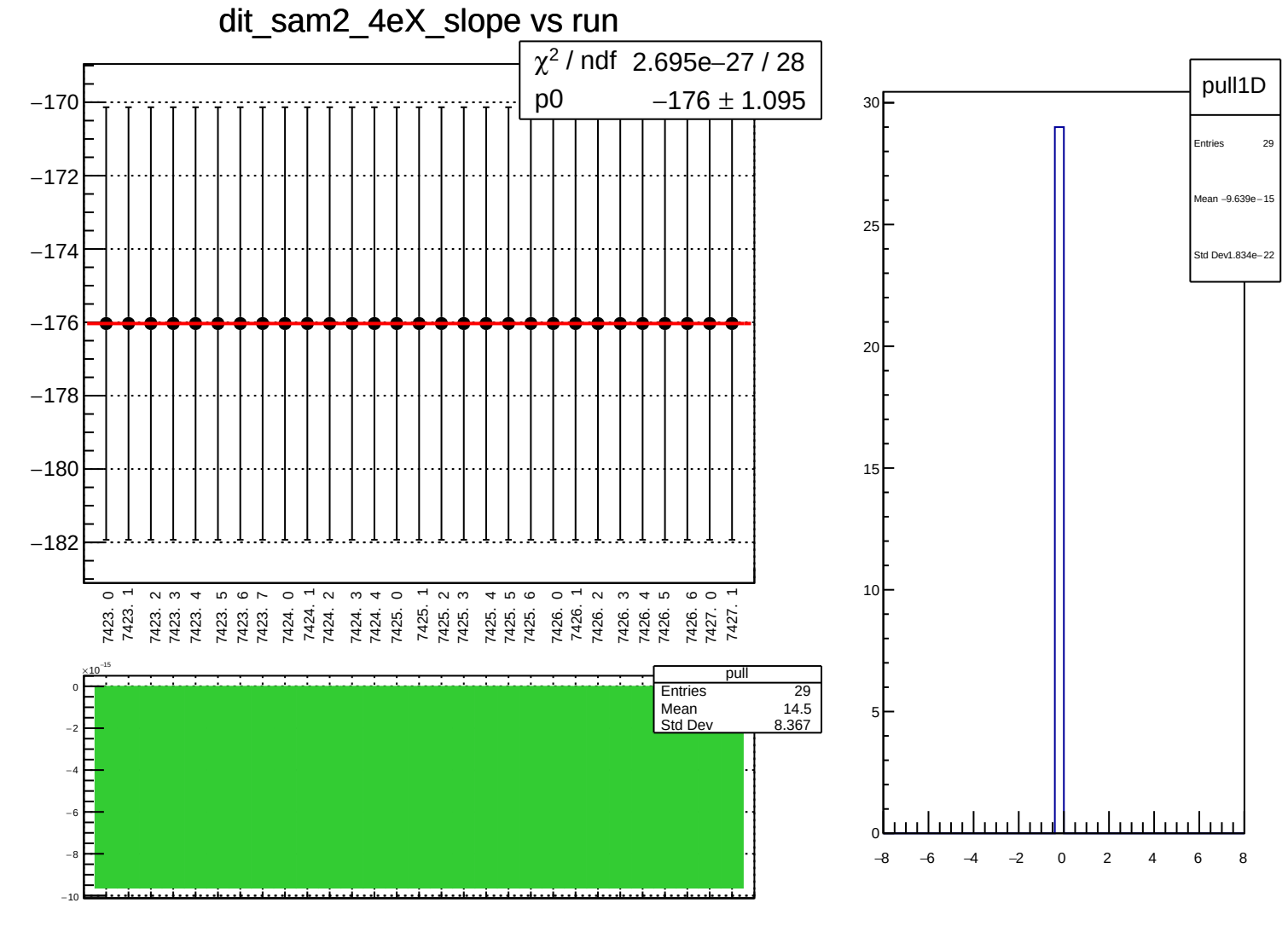

pull1D
Entries 29
Mean −6.468e−14
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

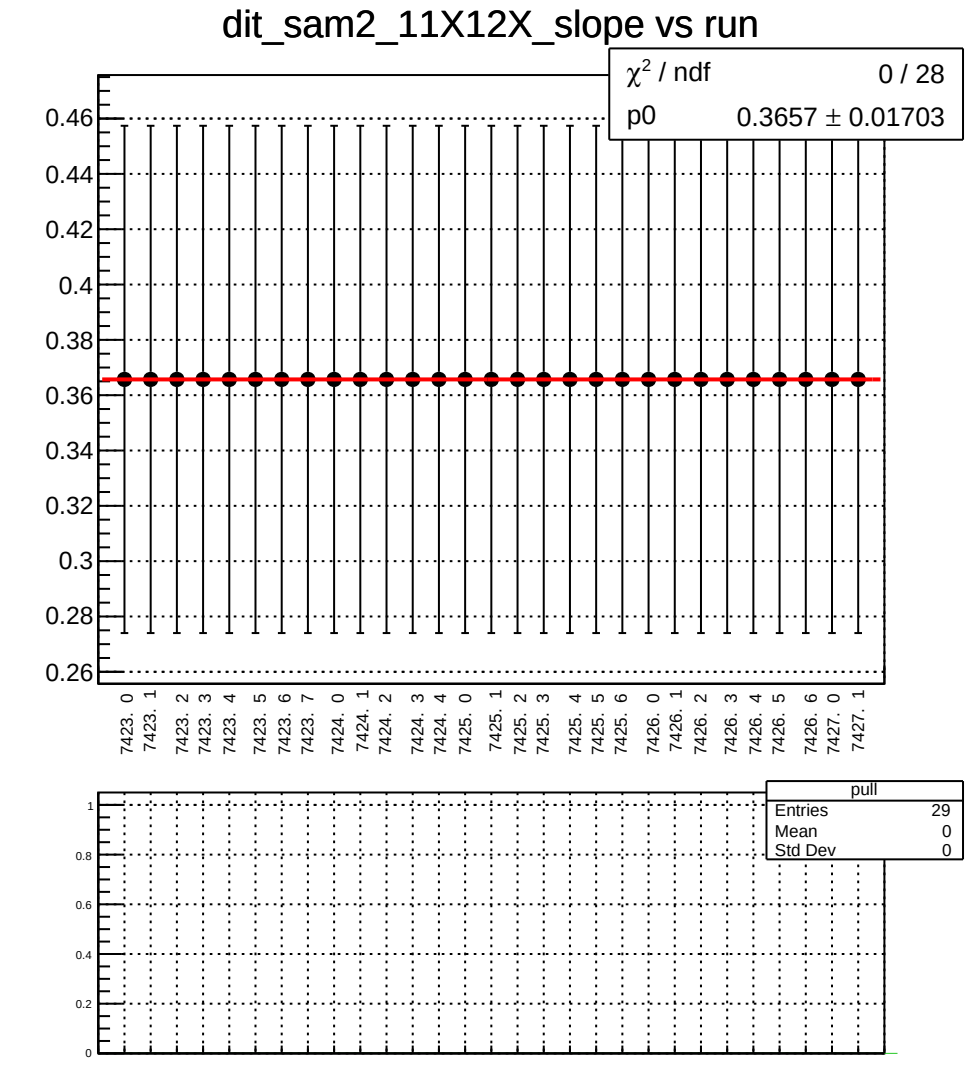

dit_sam1_4eY_slope vs run
χ² / ndf 1.271e−27 / 28
p0 13 ± 0.09963
13.6
13.4
13.2
13
12.8
12.6
12.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull
Entries 29
Mean 14.5
Std Dev 8.367

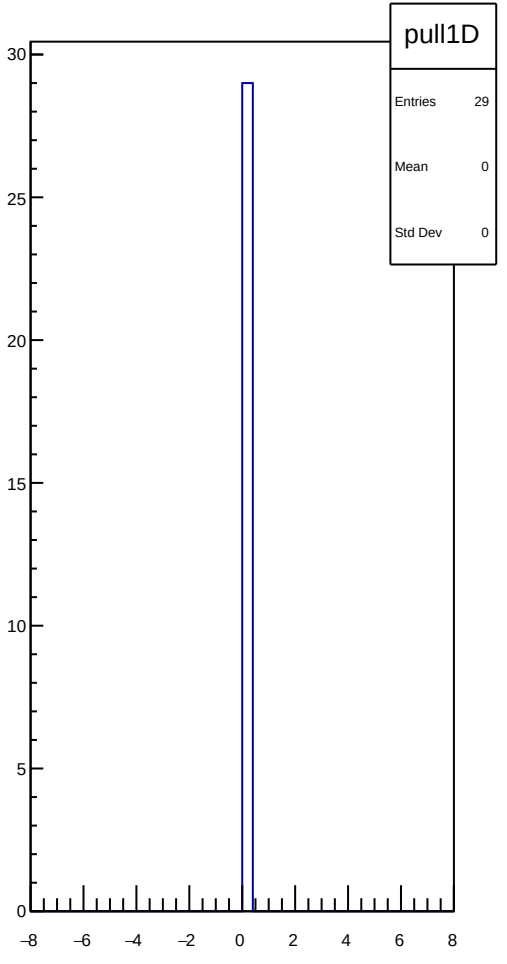

pull1D
Entries 29
Mean −6.621e−15
Std Dev1.297e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

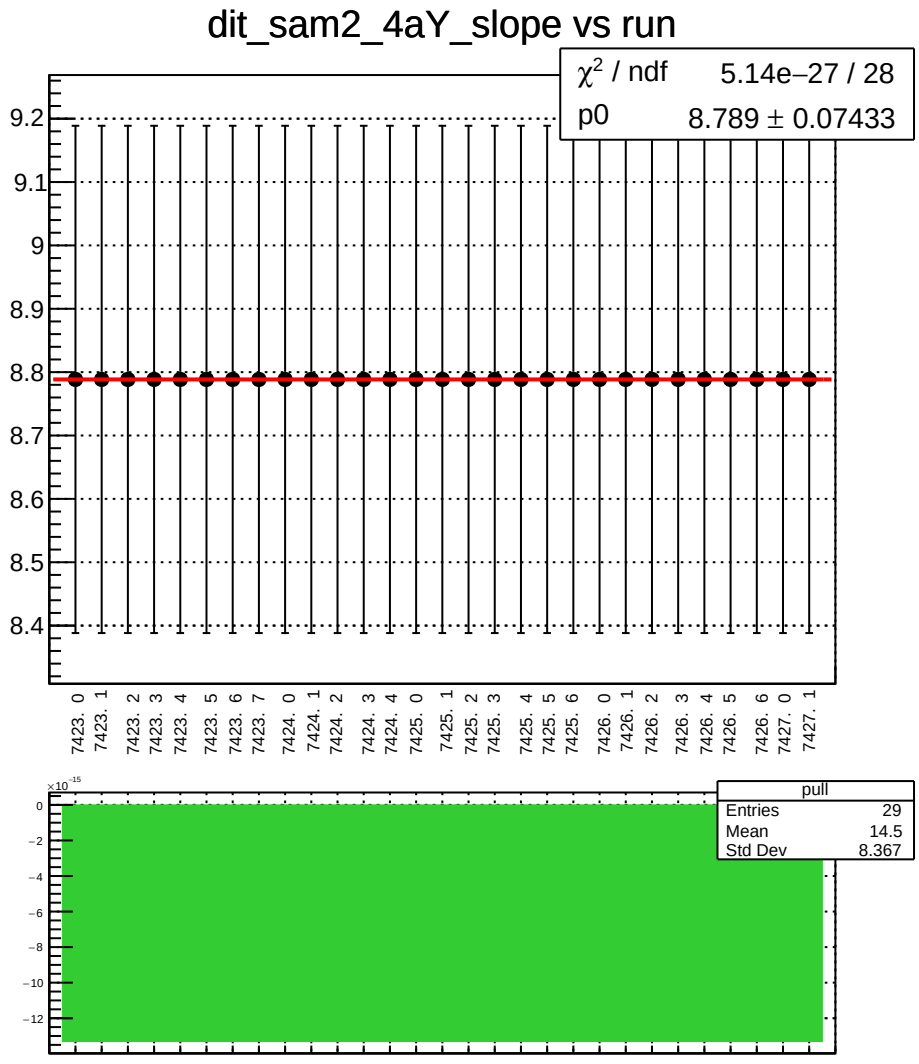

dit_sam2_4aX_slope vs run
χ² / ndf 3.625e−30 / 28
p0 3.213 ± 1.166
10
8
6
4
2
0
−2
−4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

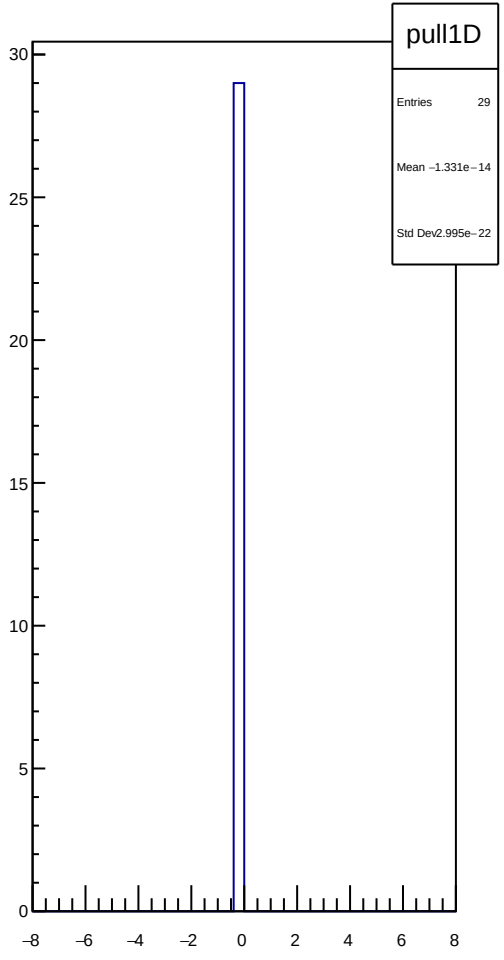

pull1D
Entries 29
Mean 3.535e−16
Std Dev1.046e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

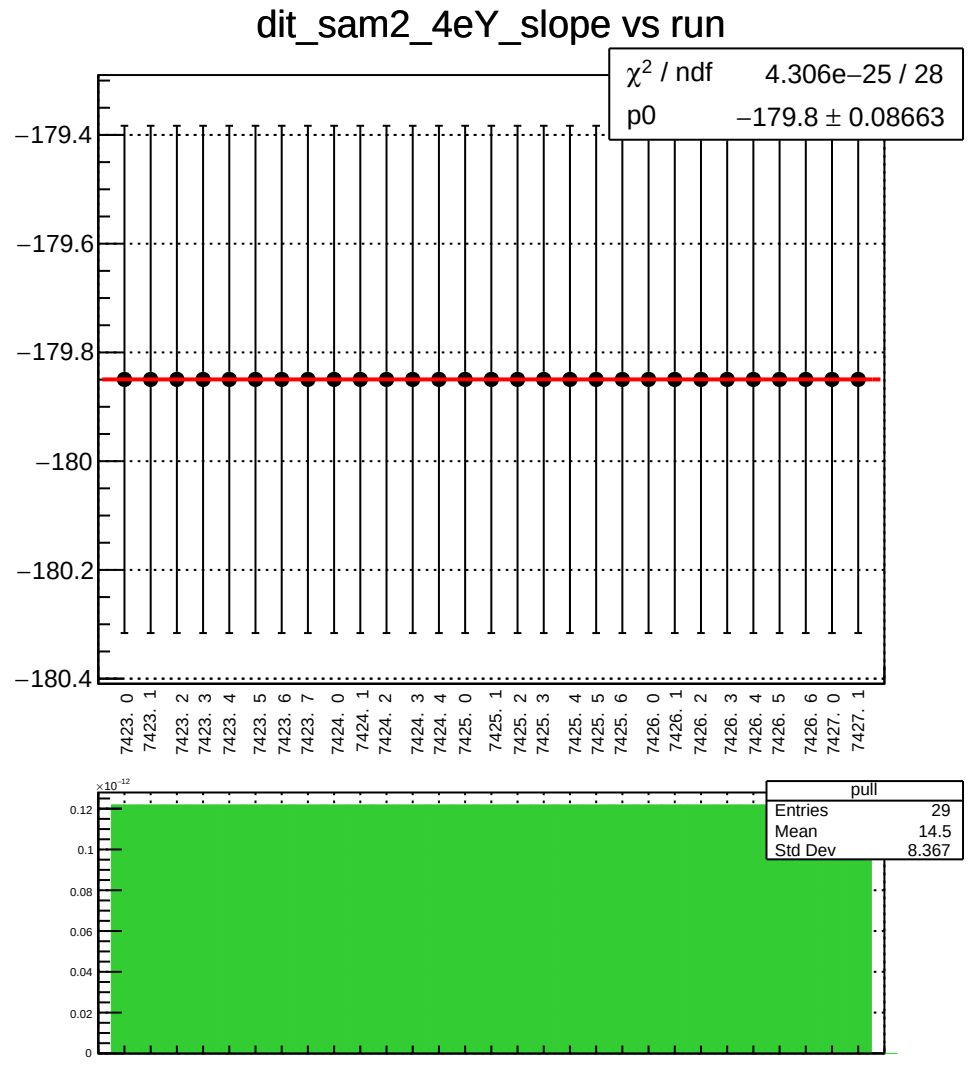

dit_sam2_4eX_slope vs run
χ² / ndf 2.695e−27 / 28
p0 −176 ± 1.095
−170
−172
−174
−176
−178
−180
−182
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 29
Mean 14.5
Std Dev 8.367
pull1D
Entries 29
Mean −9.639e−15
Std Dev1.834e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

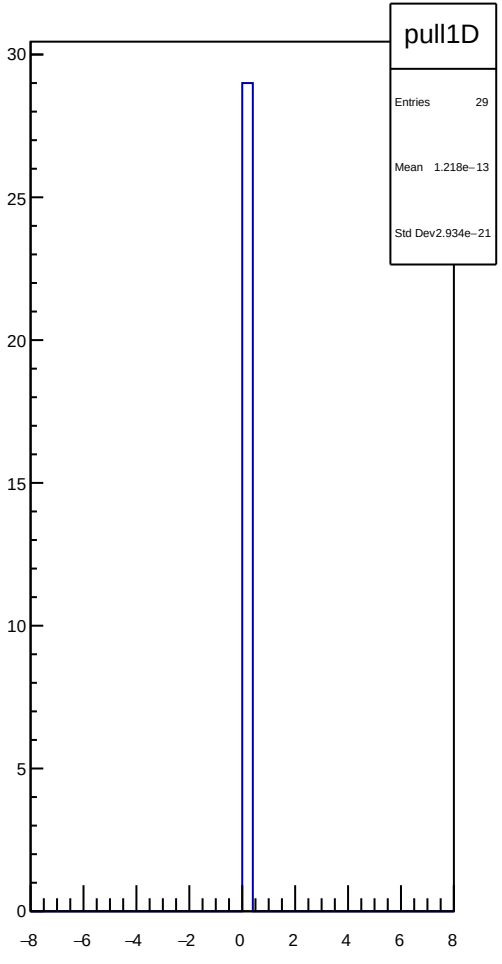

dit_sam2_11X12X_slope vs run
χ² / ndf 0 / 28
p0 0.3657 ± 0.01703
0.46
0.44
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

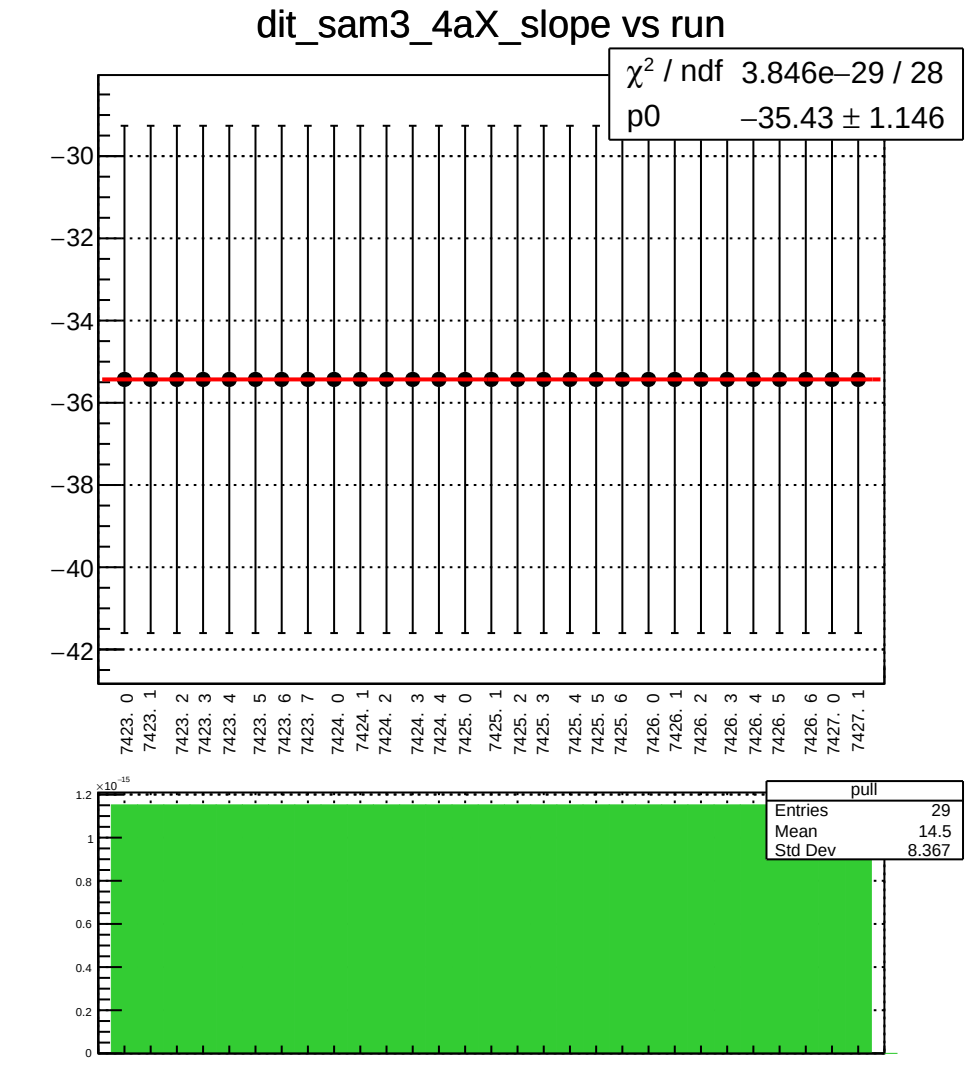

pull1D
Entries 29
Mean 0
Std Dev 0
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

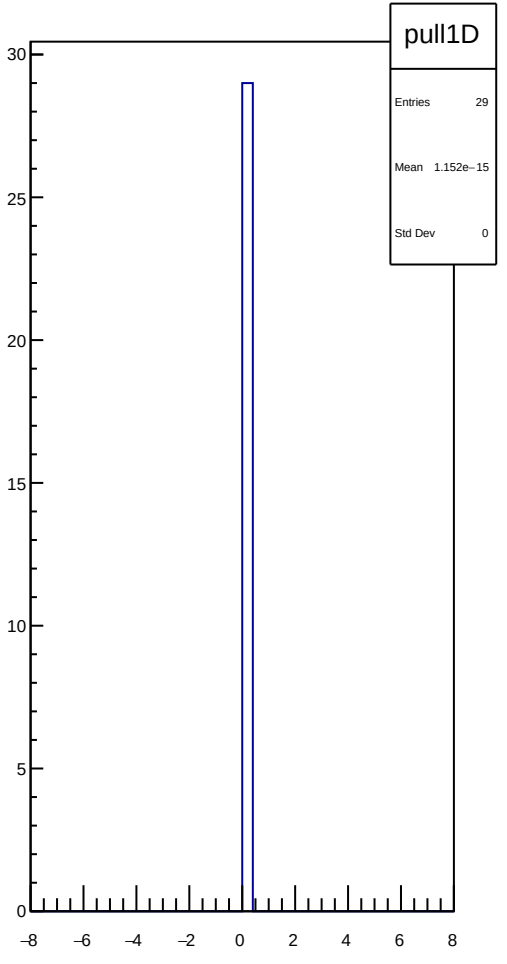

dit_sam2_4aY_slope vs run
χ² / ndf 5.14e−27 / 28
p0 8.789 ± 0.07433
9.2
9.1
9
8.9
8.8
8.7
8.6
8.5
8.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 29
Mean 14.5
Std Dev 8.367

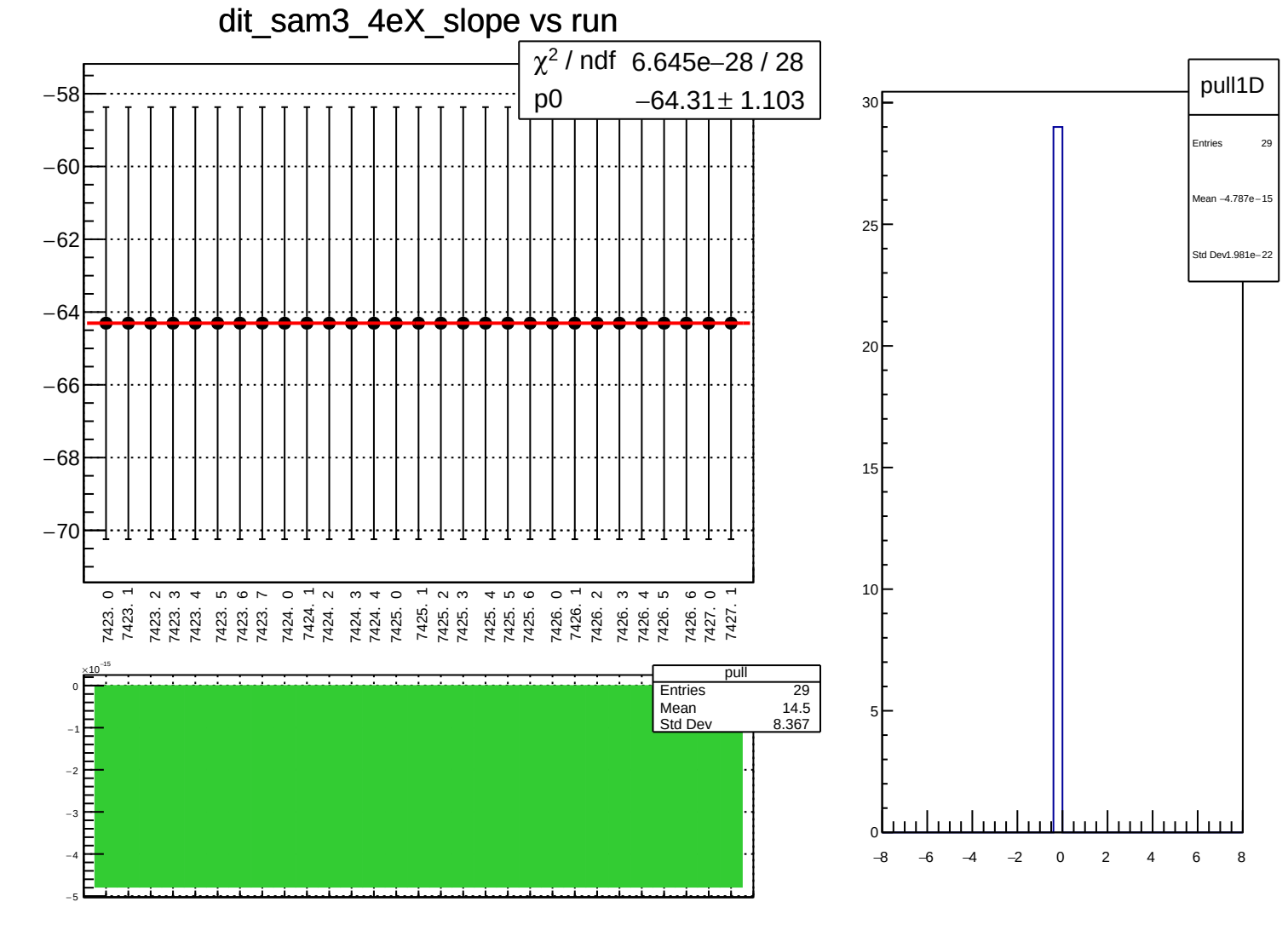

pull1D
Entries 29
Mean −1.331e−14
Std Dev 2.995e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

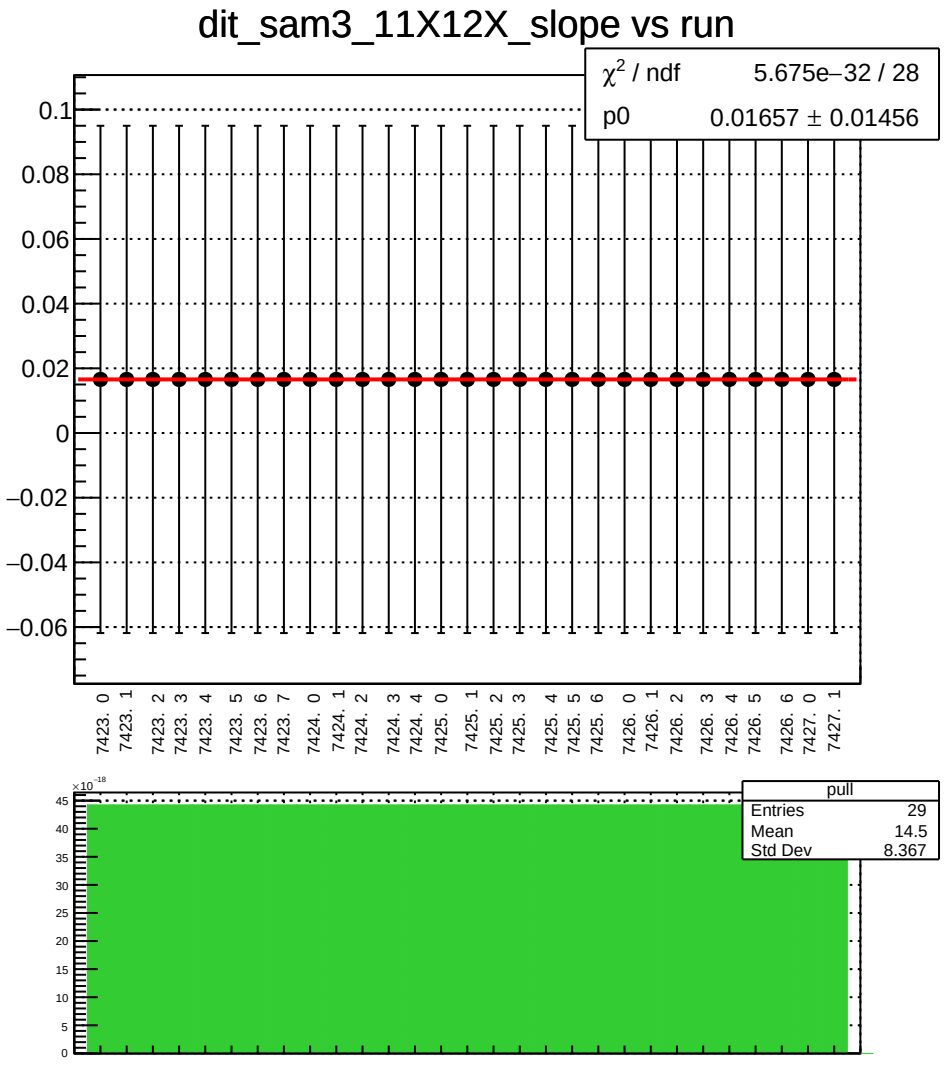

dit_sam2_4eY_slope vs run
χ² / ndf 4.306e−25 / 28
p0 −179.8 ± 0.08663
−179.4
−179.6
−179.8
−180
−180.2
−180.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

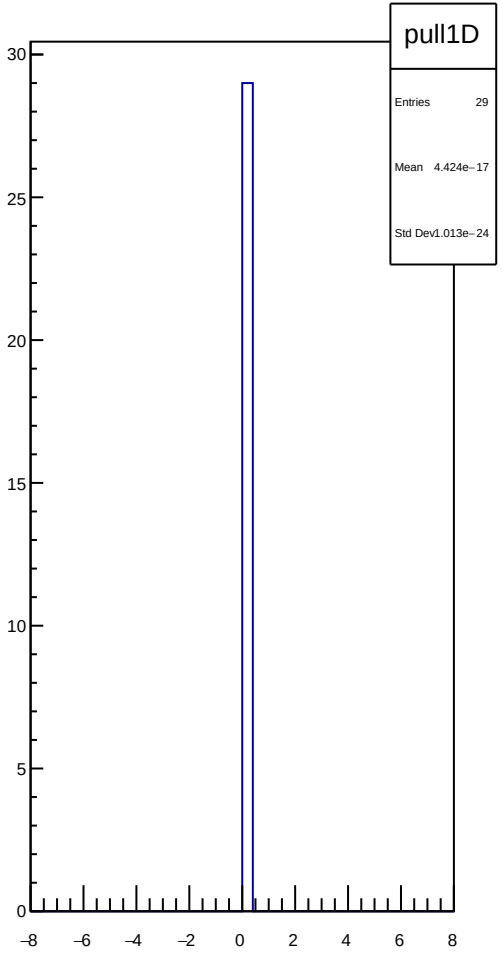

pull1D
Entries 29
Mean 1.218e−13
Std Dev2.934e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

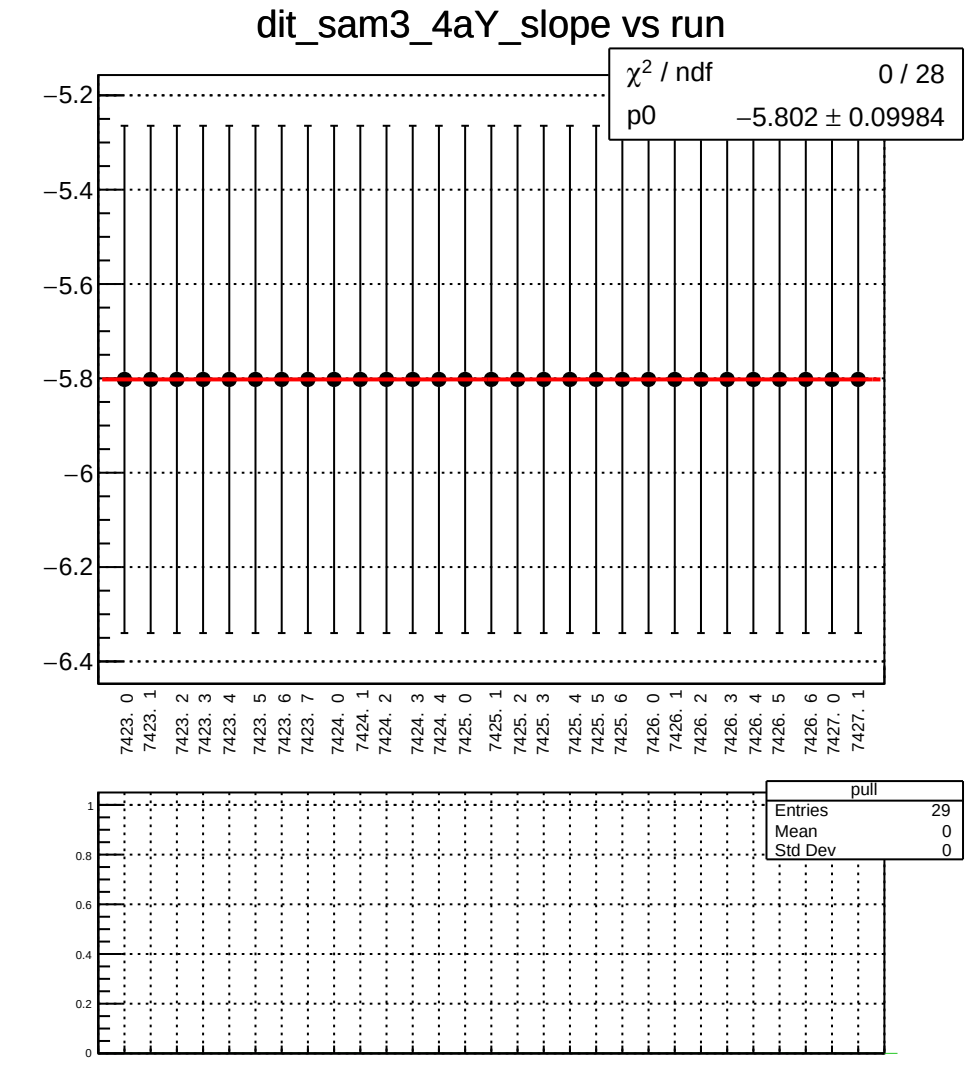

dit_sam3_4aX_slope vs run
χ² / ndf 3.846e−29 / 28
p0 −35.43 ± 1.146
−30
−32
−34
−36
−38
−40
−42
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

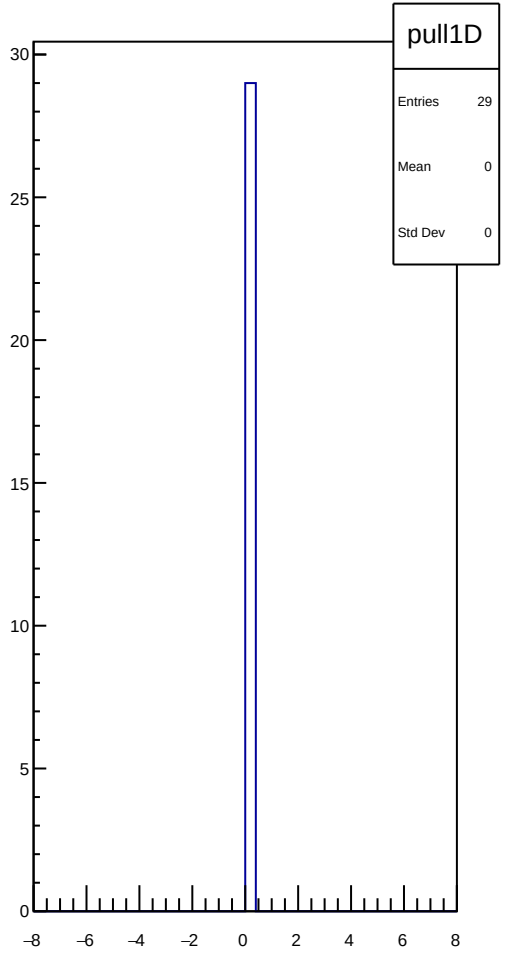

pull1D
Entries 29
Mean 1.152e−15
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

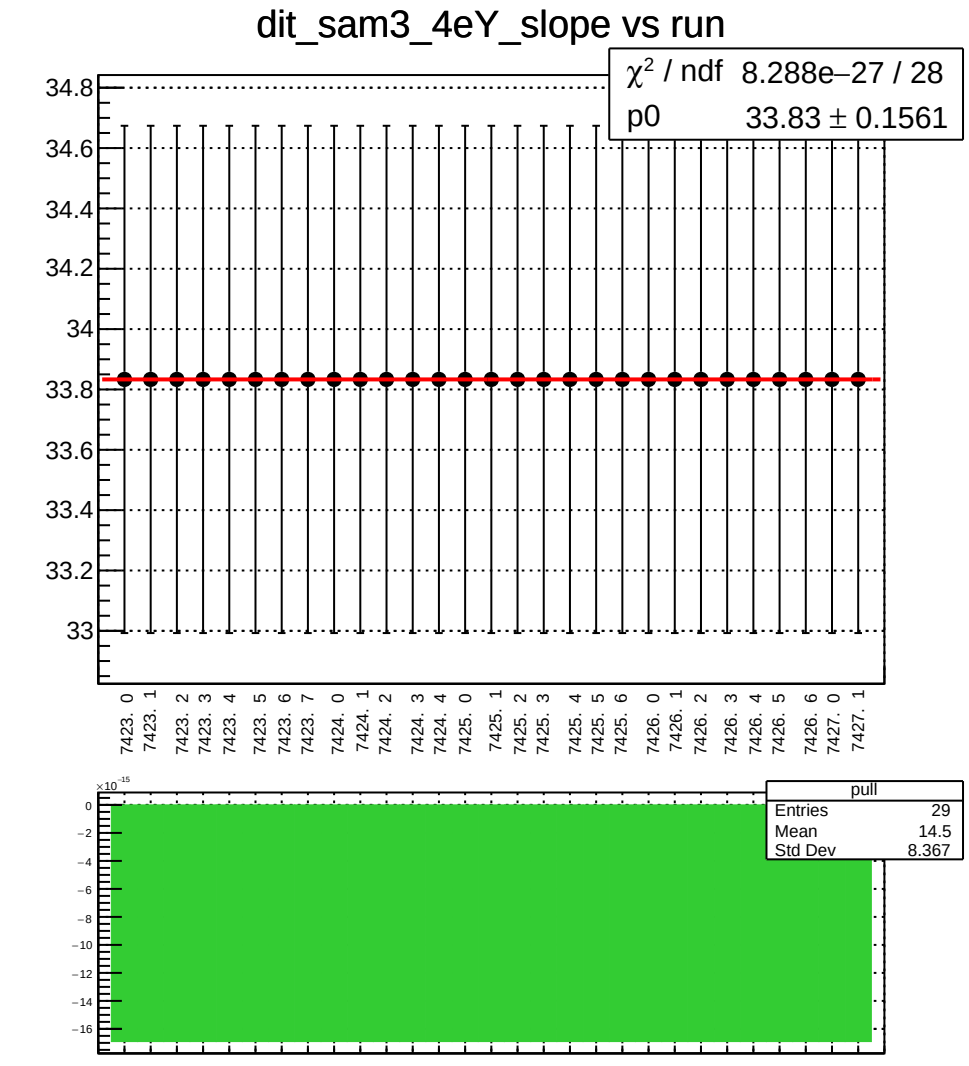

dit_sam3_4eX_slope vs run
χ² / ndf 6.645e−28 / 28
p0 −64.31 ± 1.103
−58
−60
−62
−64
−66
−68
−70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull
Entries 29
Mean 14.5
Std Dev 8.367
pull1D
Entries 29
Mean −4.787e−15
Std Dev1.981e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

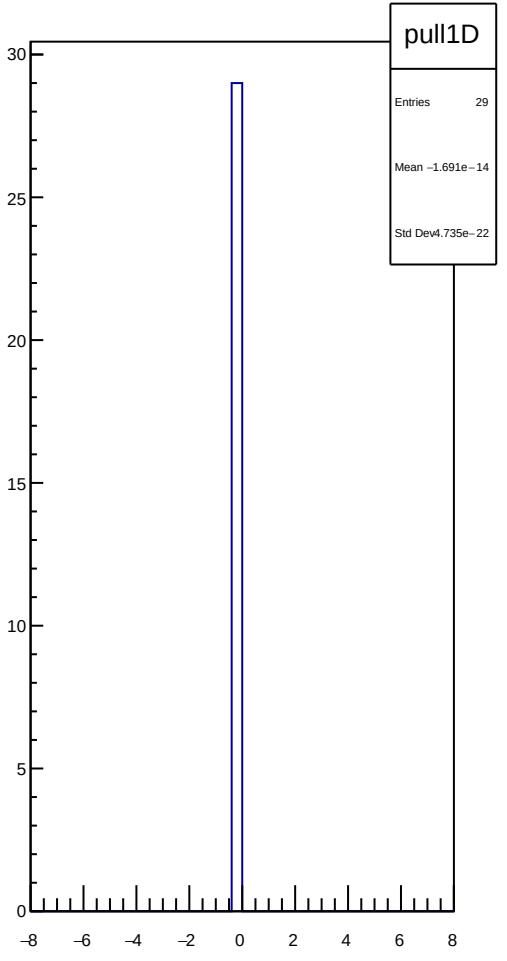

dit_sam3_11X12X_slope vs run
χ² / ndf 5.675e−32 / 28
p0 0.01657 ± 0.01456
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁸
45
40
35
30
25
20
15
10
5
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

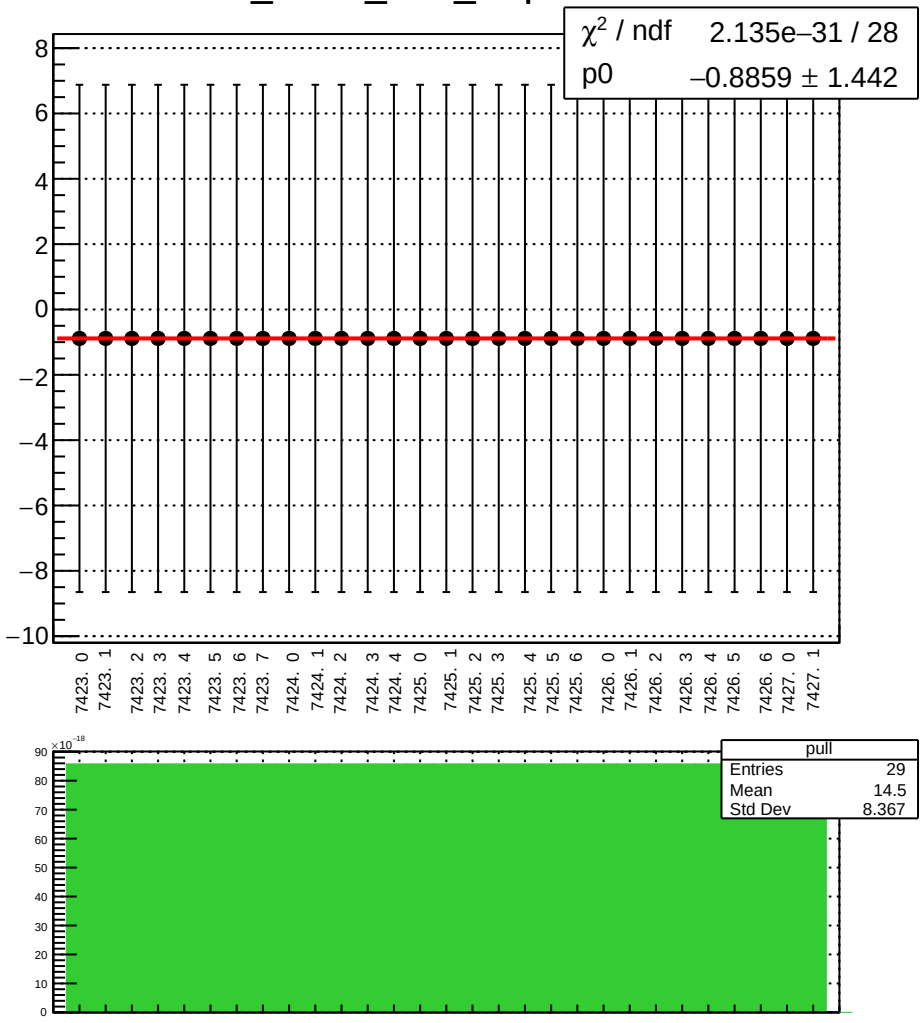

pull1D
Entries 29
Mean 4.424e−17
Std Dev1.013e−24
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

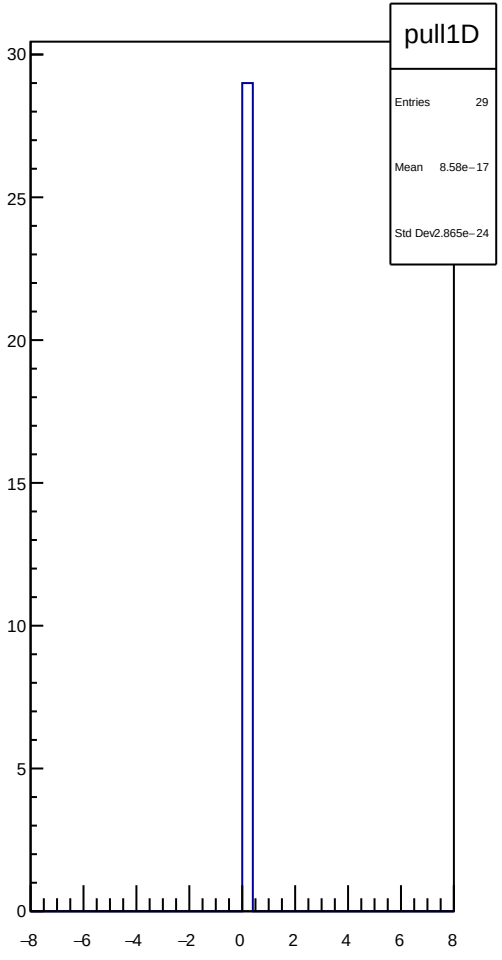

dit_sam3_4aY_slope vs run
χ² / ndf 0 / 28
p0 −5.802 ± 0.09984
−5.2
−5.4
−5.6
−5.8
−6
−6.2
−6.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

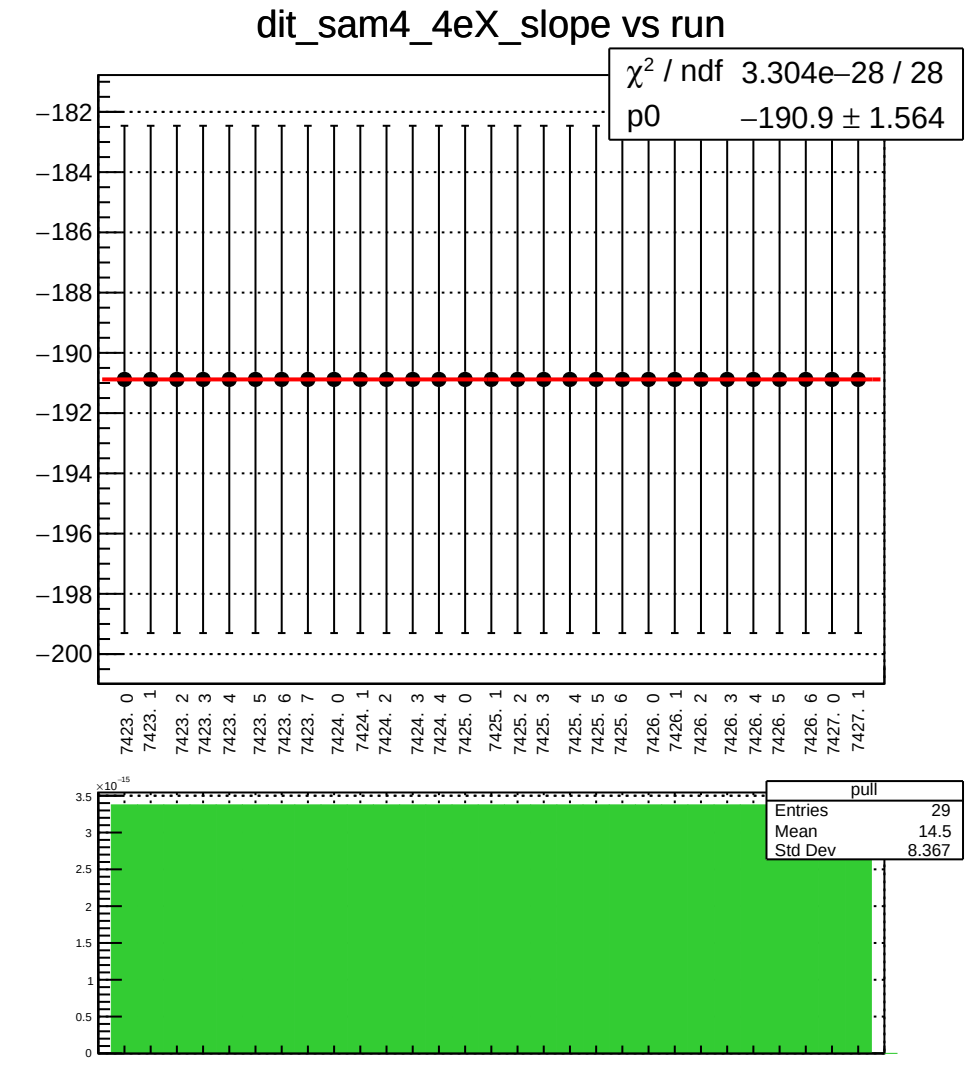

pull1D
Entries 29
Mean 0
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

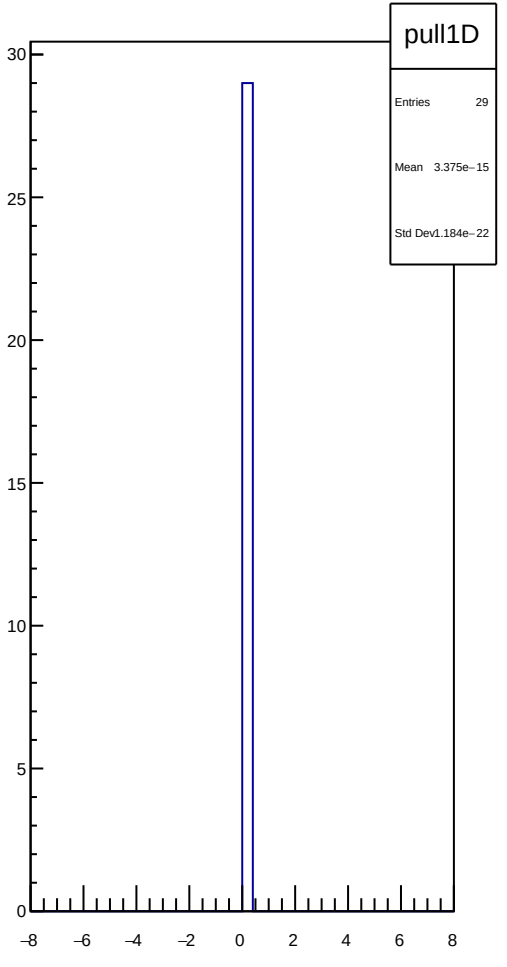

dit_sam3_4eY_slope vs run
χ² / ndf 8.288e−27 / 28
p0 33.83 ± 0.1561
34.8
34.6
34.4
34.2
34
33.8
33.6
33.4
33.2
33
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 29
Mean 14.5
Std Dev 8.367

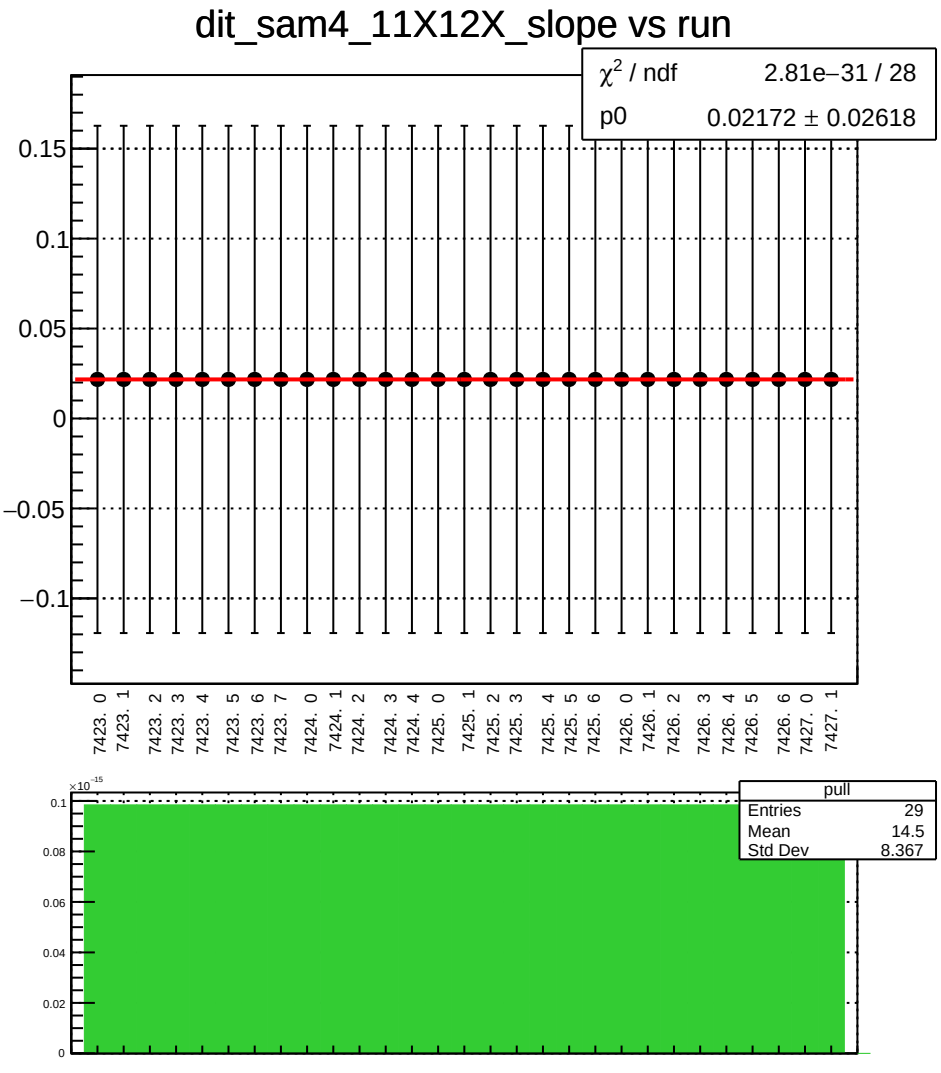

pull1D
Entries 29
Mean −1.691e−14
Std Dev 4.735e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

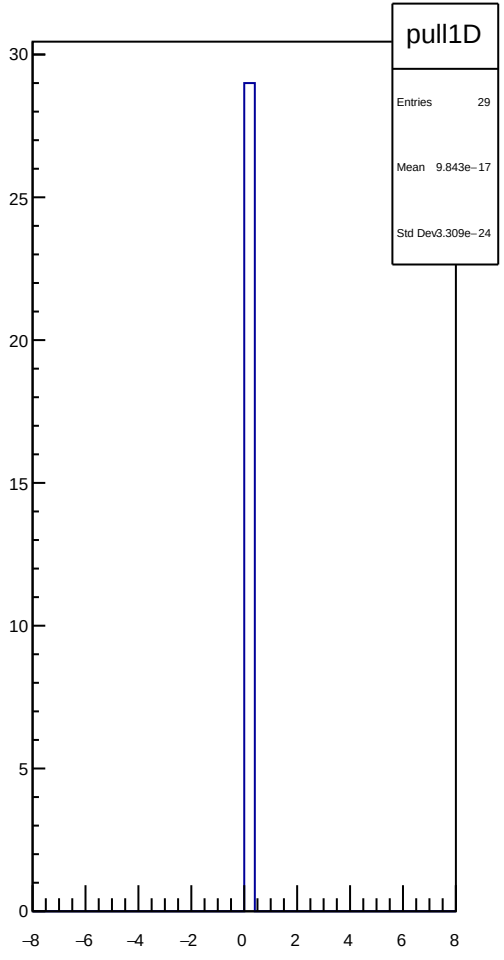

dit_sam4_4aX_slope vs run
χ² / ndf 2.135e−31 / 28
p0 −0.8859 ± 1.442
8
6
4
2
0
−2
−4
−6
−8
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁸
90
80
70
60
50
40
30
20
10
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

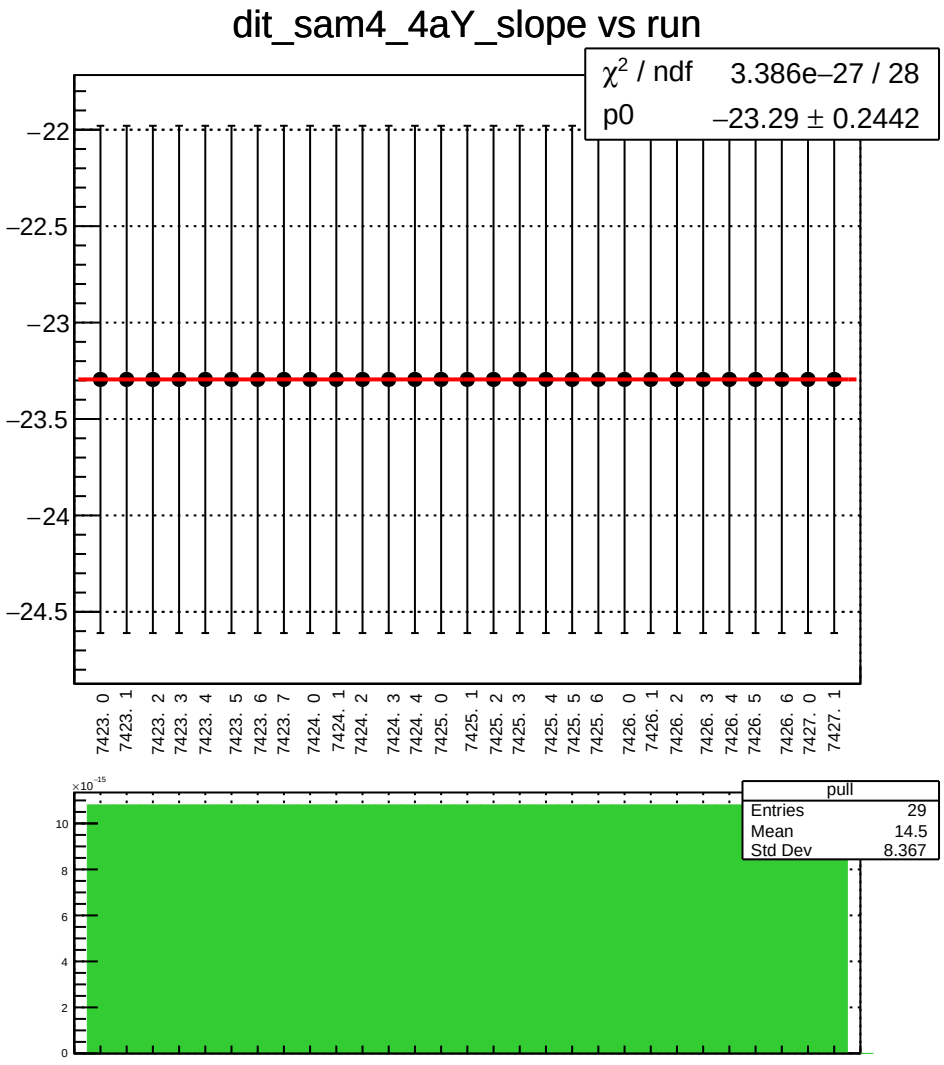

pull1D
Entries 29
Mean 8.58e−17
Std Dev 2.865e−24
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

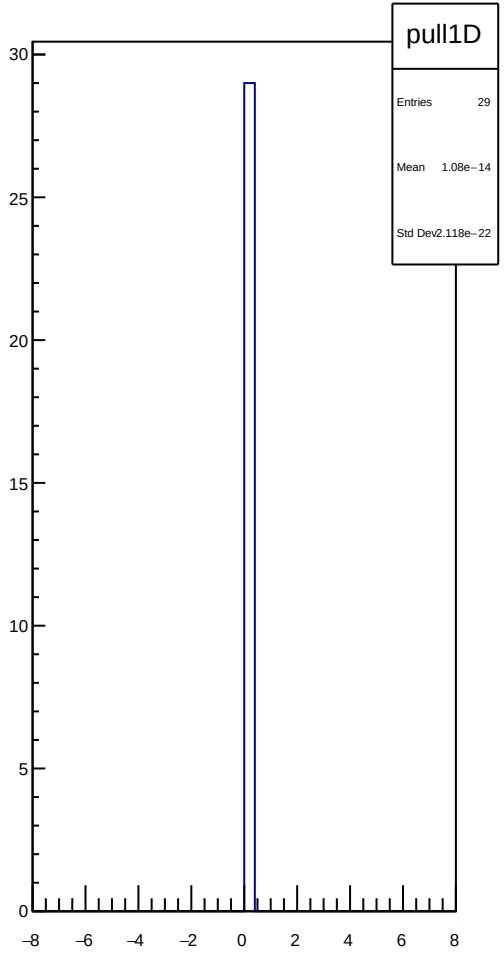

dit_sam4_4eX_slope vs run
χ² / ndf 3.304e−28 / 28
p0 −190.9 ± 1.564
−182
−184
−186
−188
−190
−192
−194
−196
−198
−200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

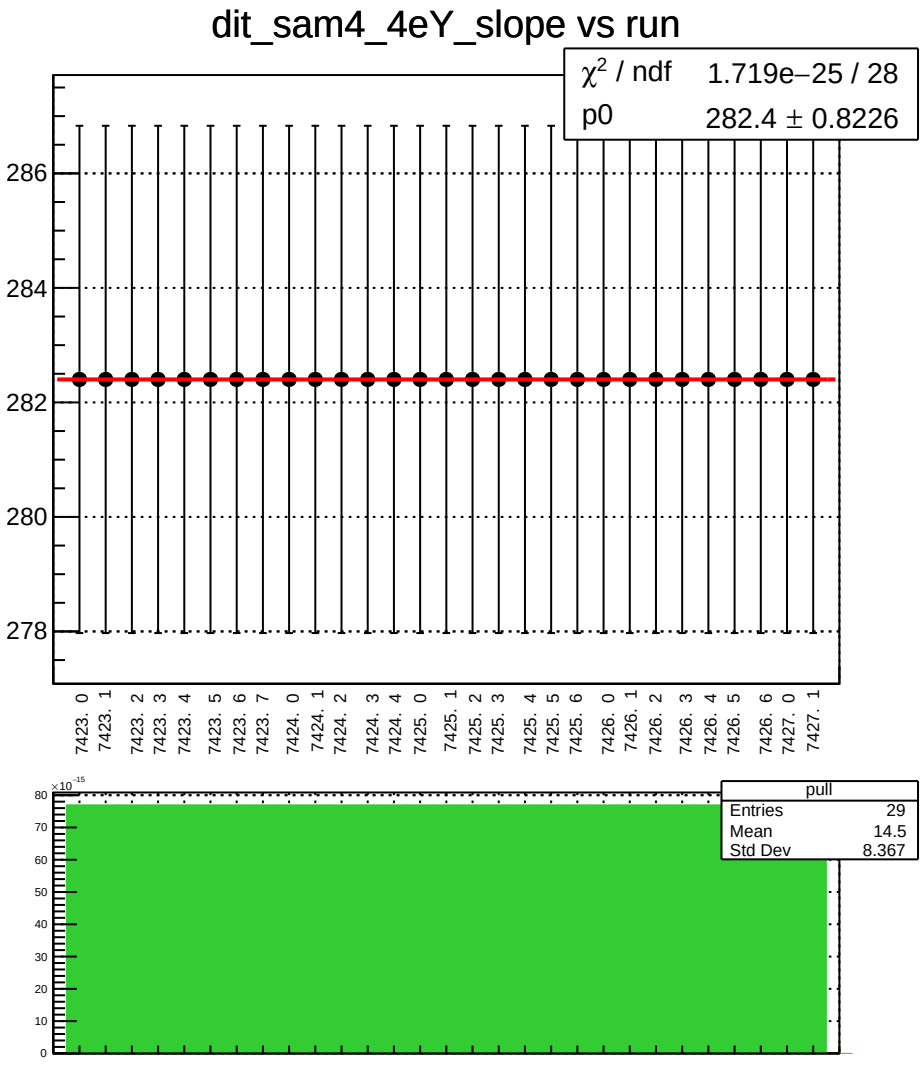

pull1D
Entries 29
Mean 3.375e−15
Std Dev1.184e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

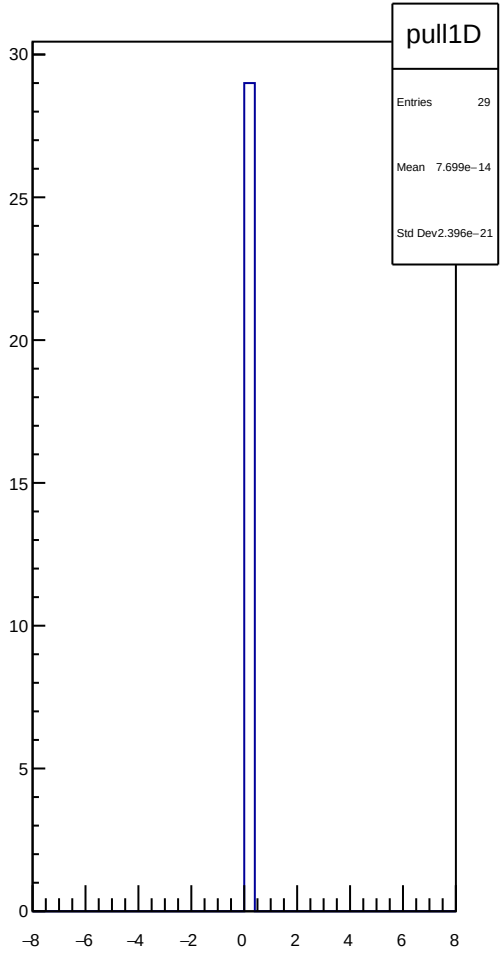

dit_sam4_11X12X_slope vs run
χ² / ndf 2.81e−31 / 28
p0 0.02172 ± 0.02618
0.15
0.1
0.05
0
−0.05
−0.1
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

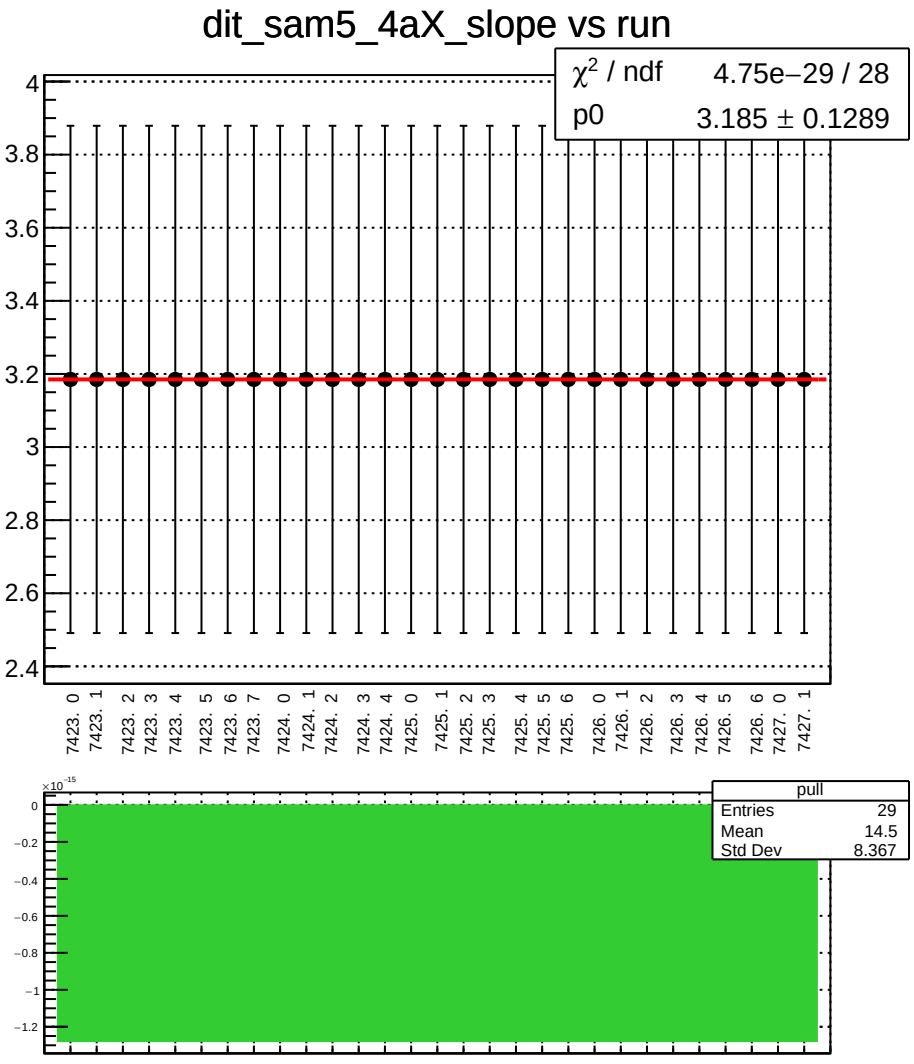

pull1D
Entries 29
Mean 9.843e−17
Std Dev3.309e−24
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

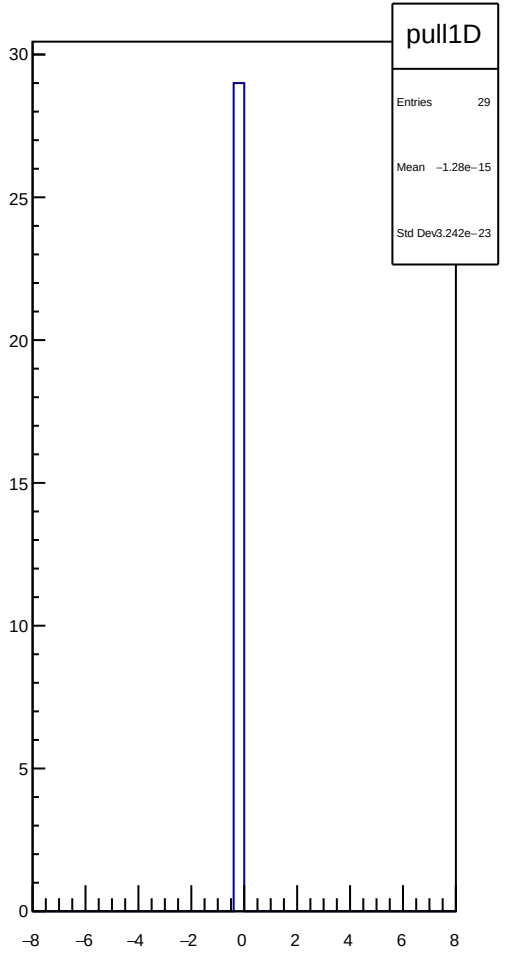

dit_sam4_4aY_slope vs run
χ² / ndf 3.386e−27 / 28
p0 −23.29 ± 0.2442
−22
−22.5
−23
−23.5
−24
−24.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

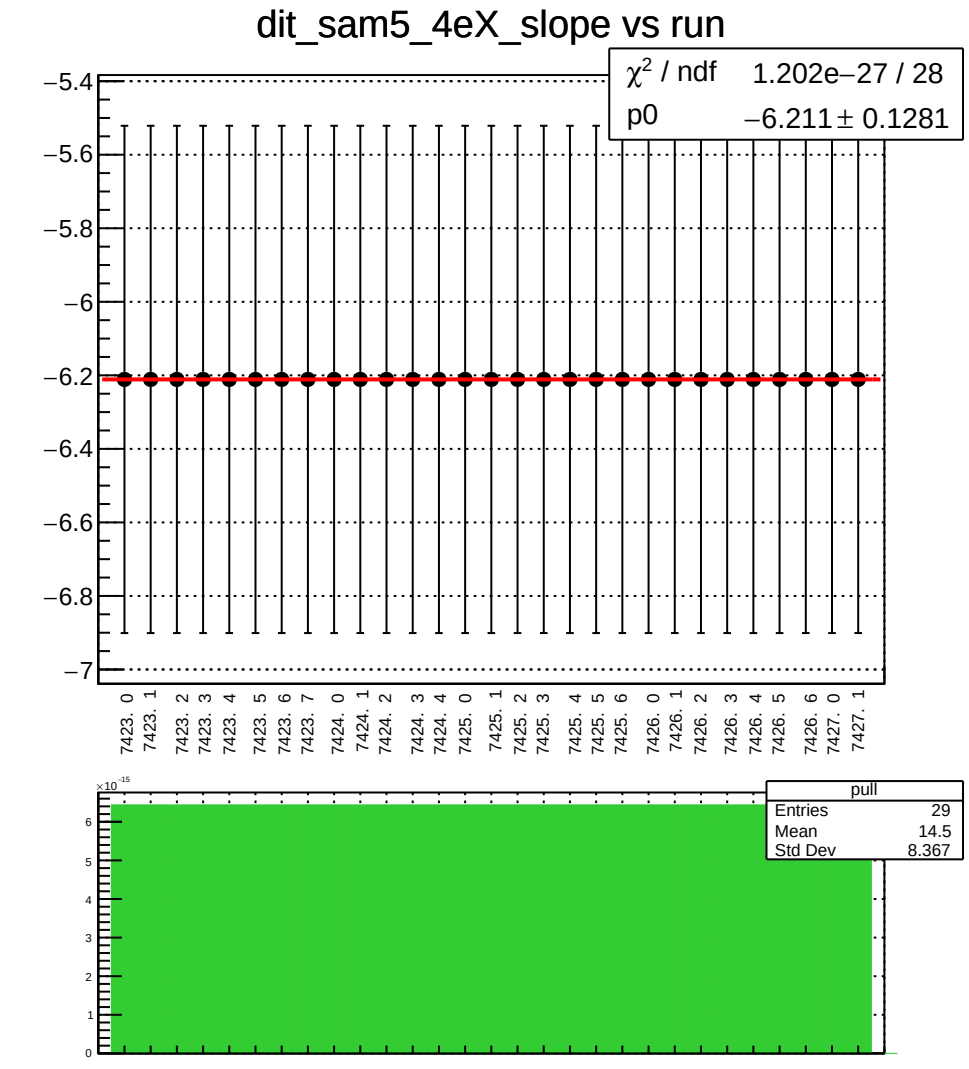

pull1D
Entries 29
Mean 1.08e−14
Std Dev2.118e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

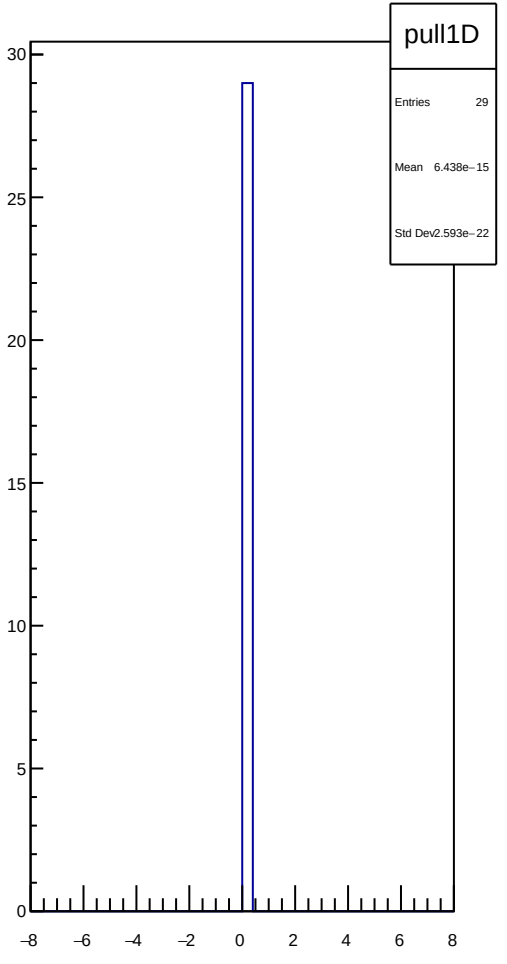

dit_sam4_4eY_slope vs run
χ² / ndf 1.719e−25 / 28
p0 282.4 ± 0.8226
286
284
282
280
278
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

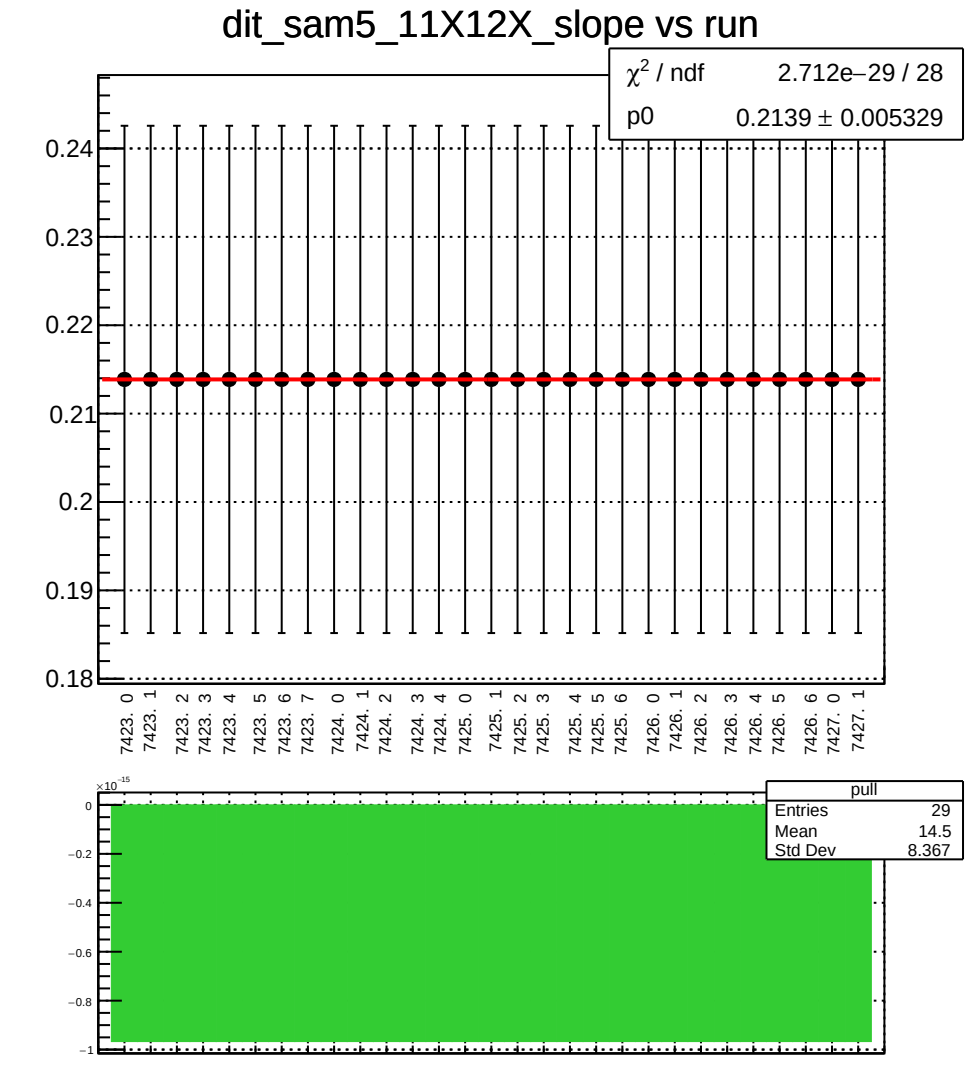

pull1D
Entries 29
Mean 7.699e−14
Std Dev2.396e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

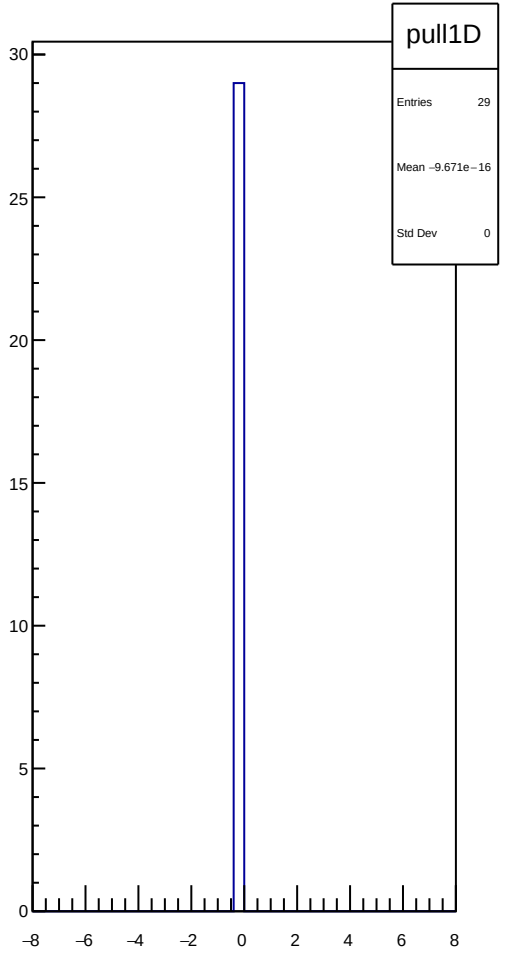

dit_sam5_4aX_slope vs run
χ² / ndf 4.75e−29 / 28
p0 3.185 ± 0.1289
4
3.8
3.6
3.4
3.2
3
2.8
2.6
2.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull
Entries 29
Mean 14.5
Std Dev 8.367

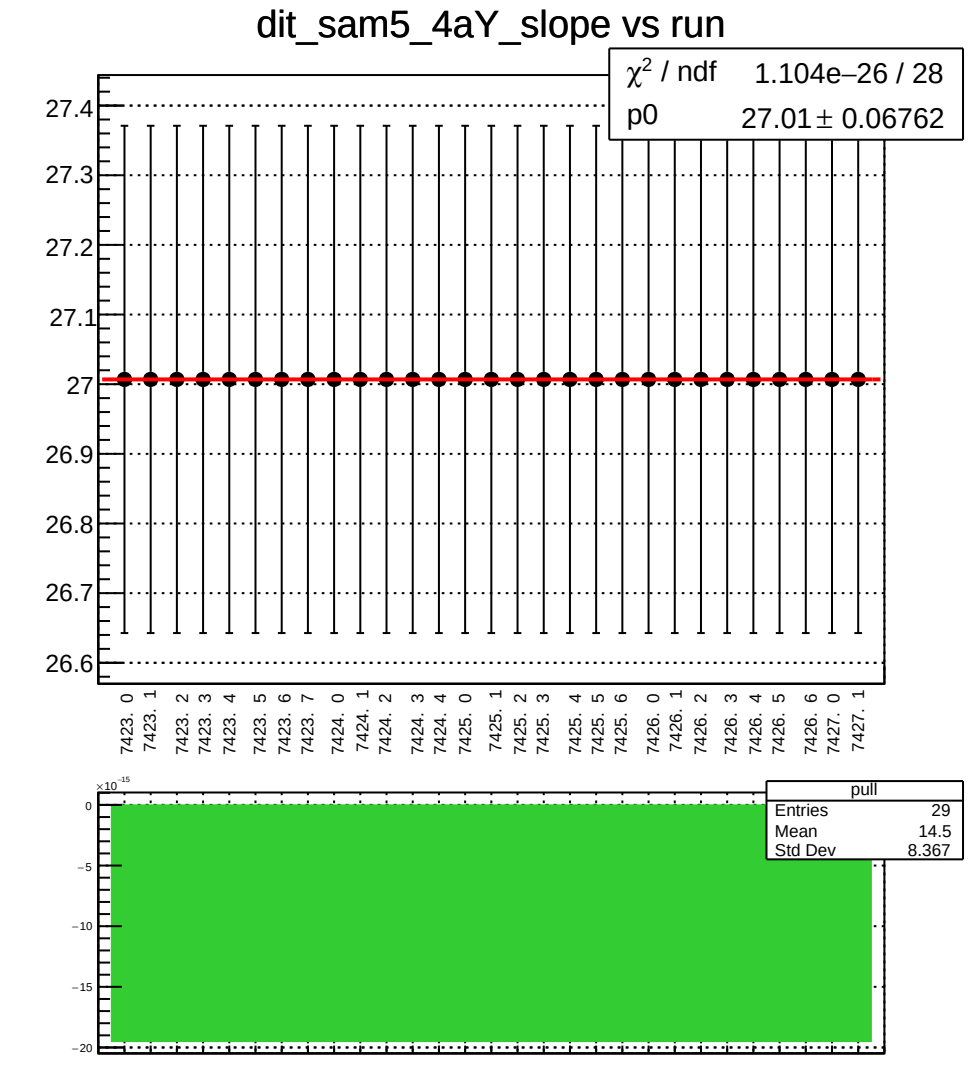

pull1D
Entries 29
Mean −1.28e−15
Std Dev3.242e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

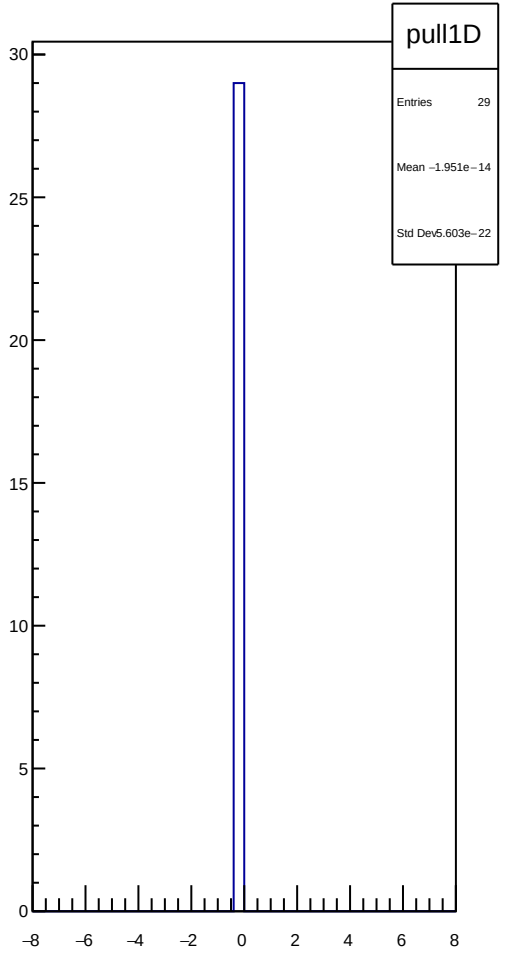

dit_sam5_4eX_slope vs run
χ² / ndf 1.202e−27 / 28
p0 −6.211 ± 0.1281
−5.4
−5.6
−5.8
−6
−6.2
−6.4
−6.6
−6.8
−7
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
pull
Entries 29
Mean 14.5
Std Dev 8.367

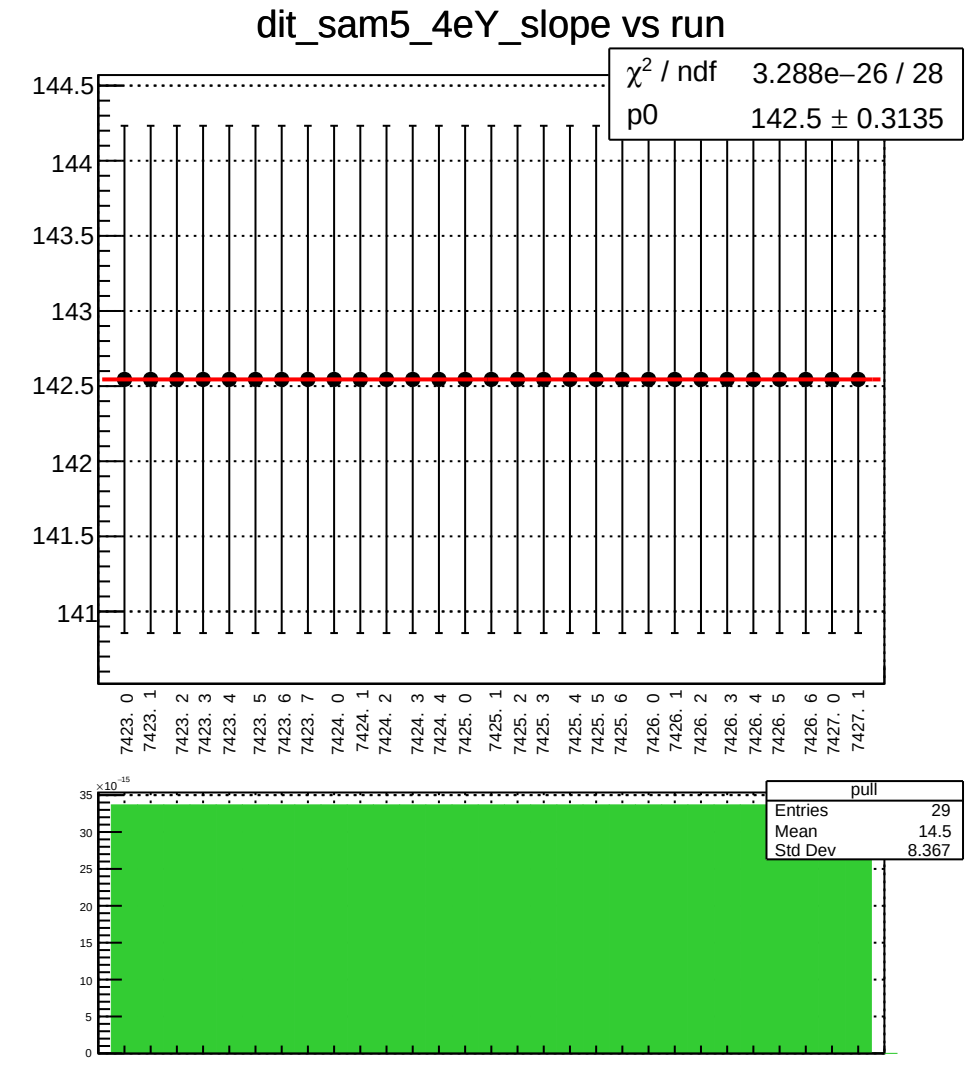

pull1D
Entries 29
Mean 6.438e−15
Std Dev 2.593e−22

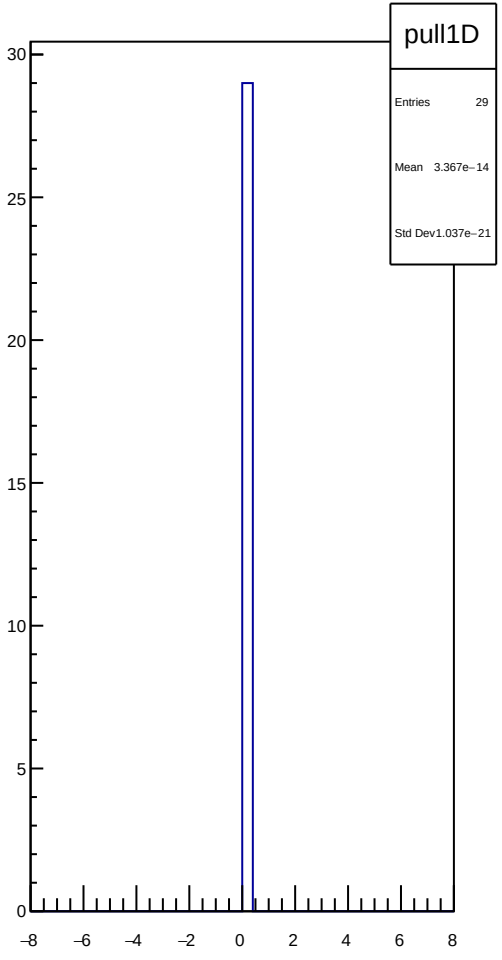

dit_sam5_11X12X_slope vs run
χ² / ndf 2.712e−29 / 28
p0 0.2139 ± 0.005329
0.24
0.23
0.22
0.21
0.2
0.19
0.18
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
pull
Entries 29
Mean 14.5
Std Dev 8.367

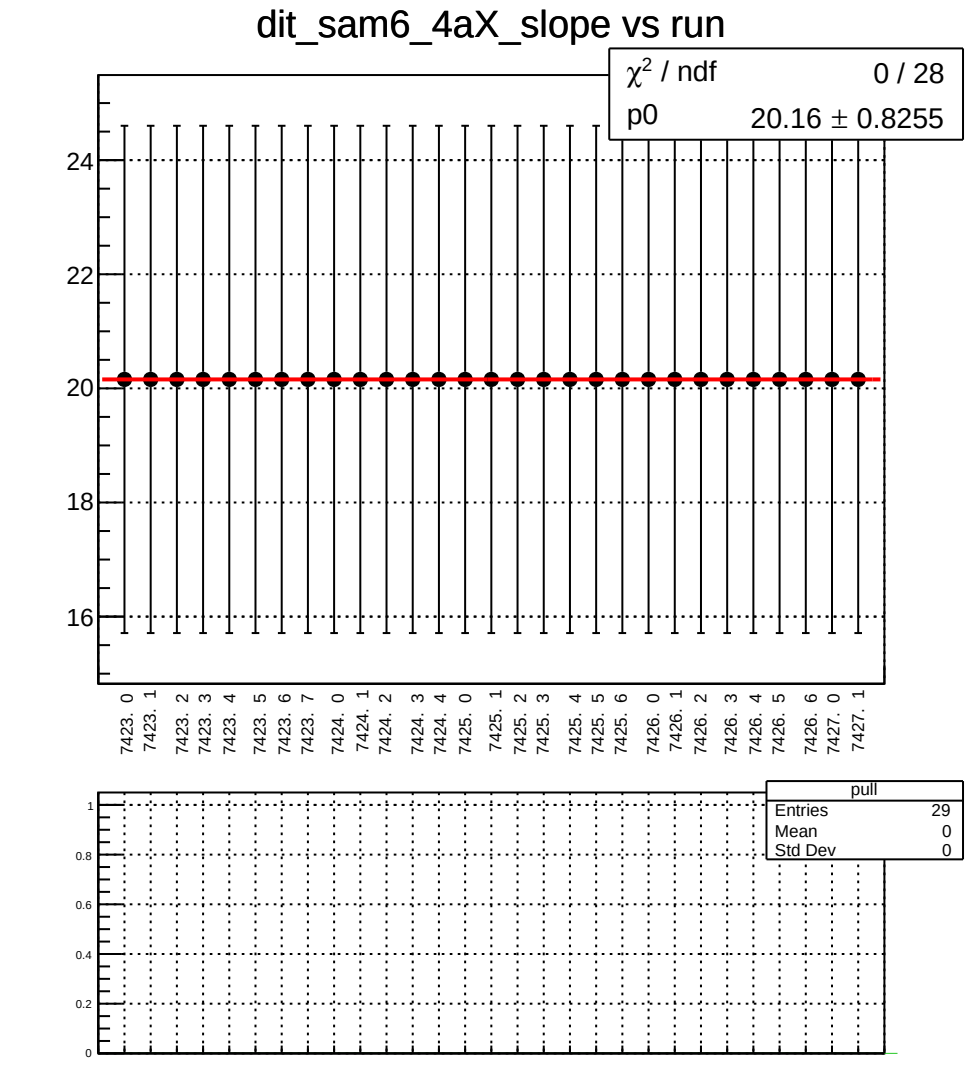

pull1D
Entries 29
Mean −9.671e−16
Std Dev 0
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

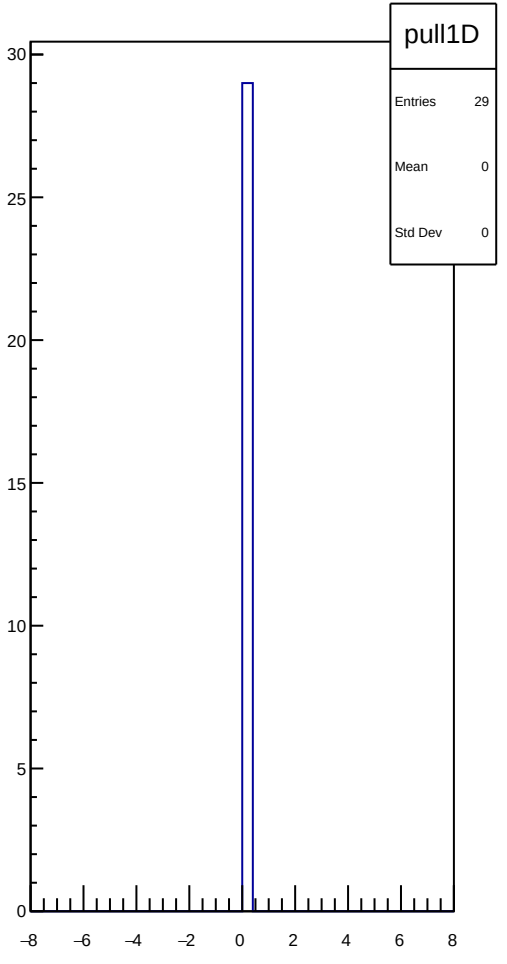

dit_sam5_4aY_slope vs run
χ² / ndf 1.104e−26 / 28
p0 27.01 ± 0.06762
27.4
27.3
27.2
27.1
27
26.9
26.8
26.7
26.6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 29
Mean 14.5
Std Dev 8.367

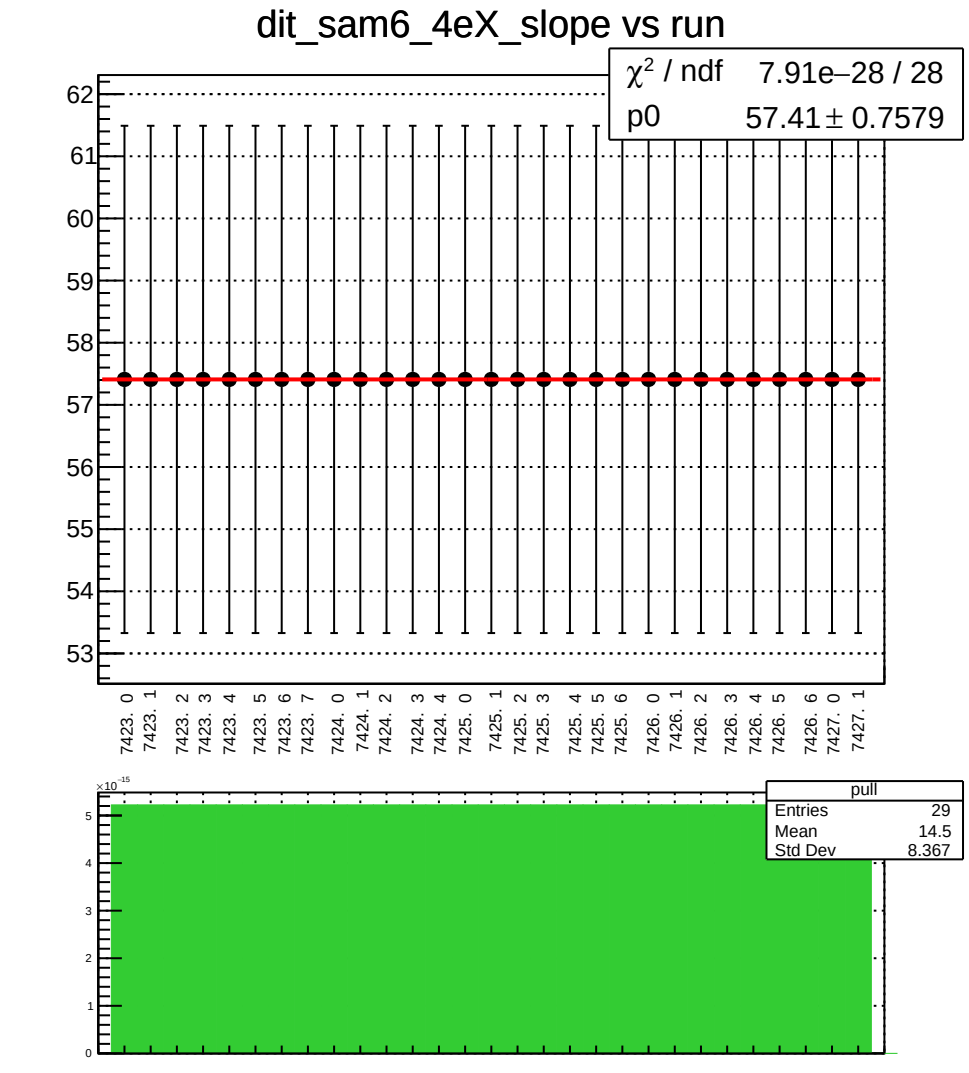

pull1D
Entries 29
Mean −1.951e−14
Std Dev 5.603e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

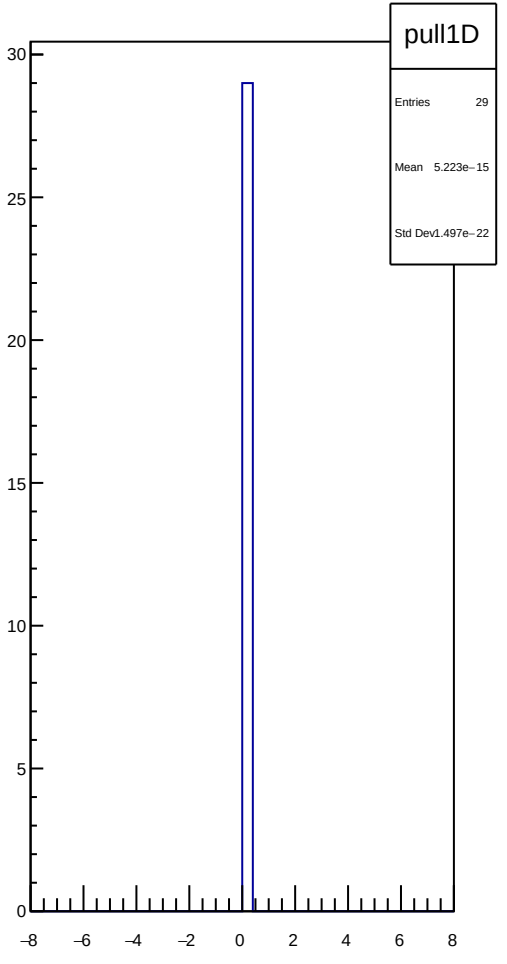

dit_sam5_4eY_slope vs run
χ² / ndf 3.288e−26 / 28
p0 142.5 ± 0.3135
144.5
144
143.5
143
142.5
142
141.5
141
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

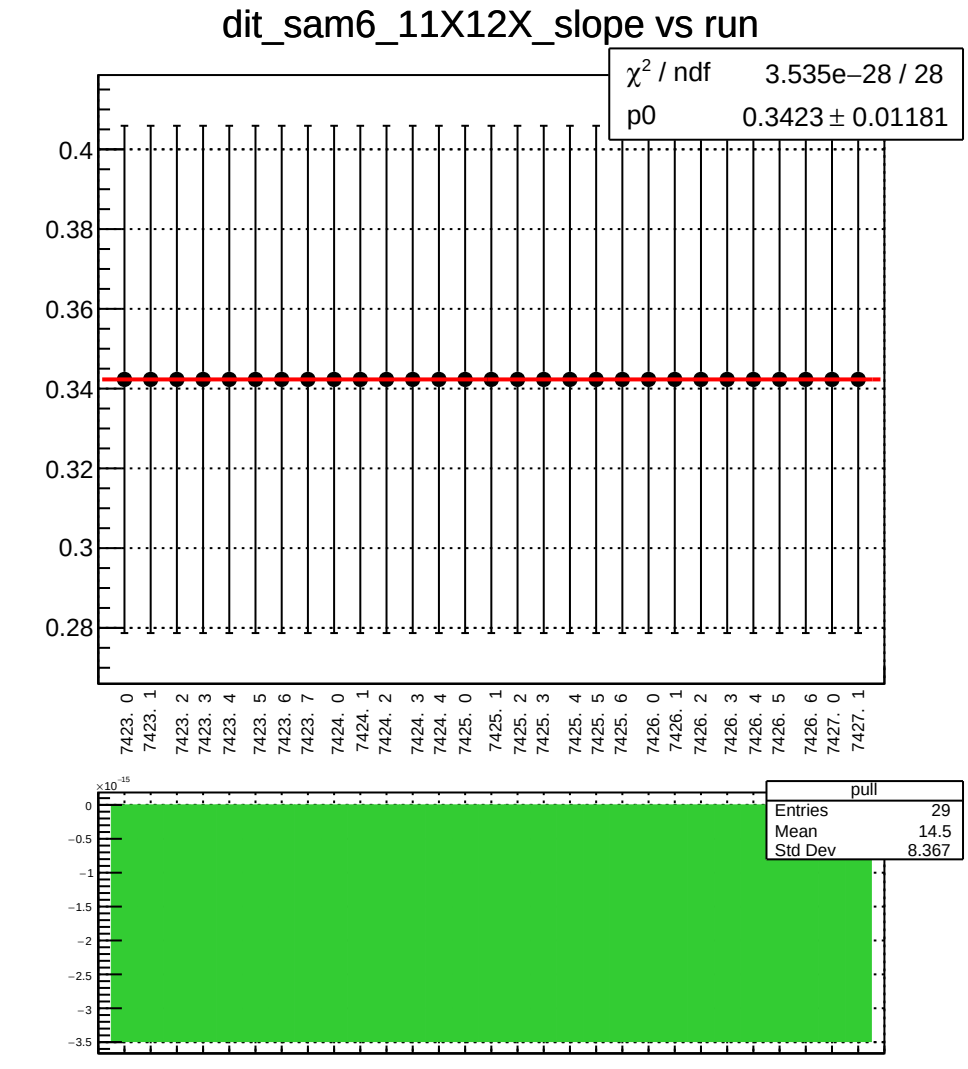

pull1D
Entries 29
Mean 3.367e−14
Std Dev1.037e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

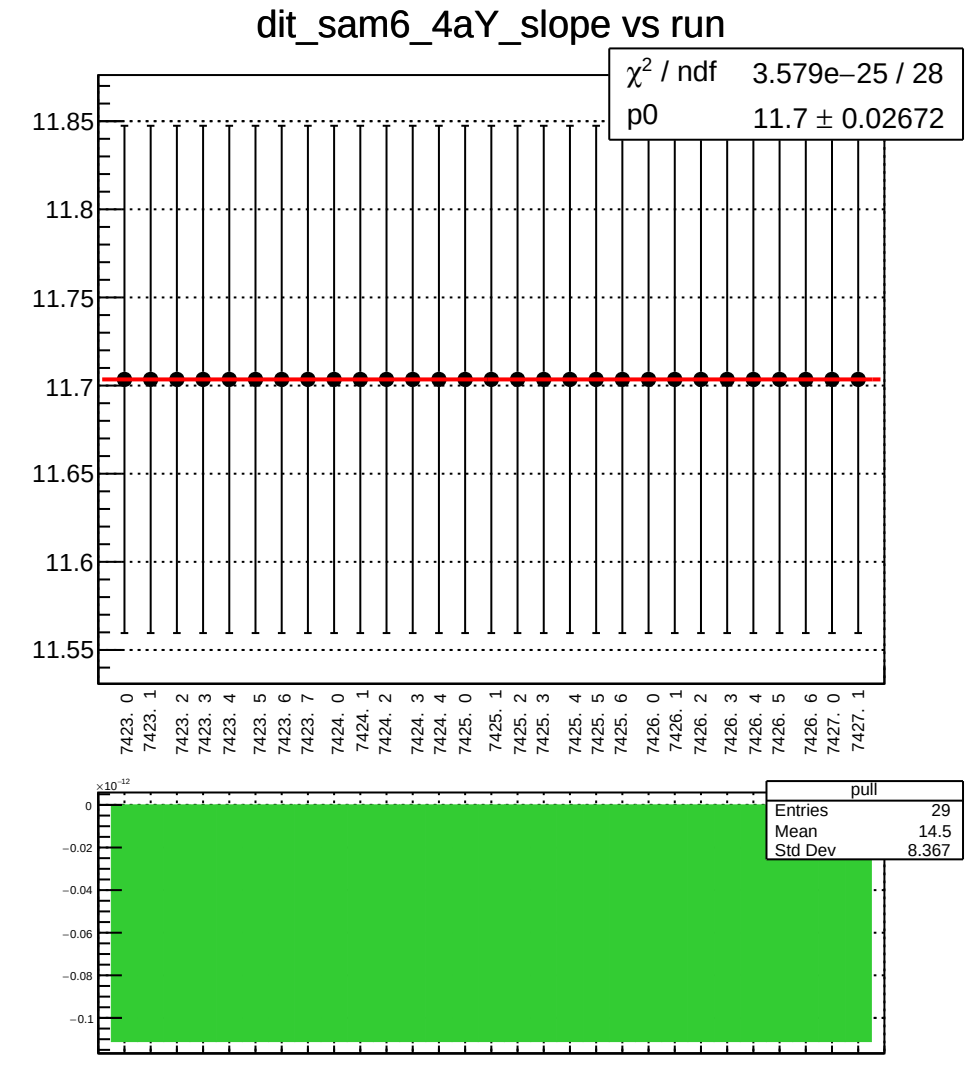

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 28
p0 20.16 ± 0.8255
24
22
20
18
16
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

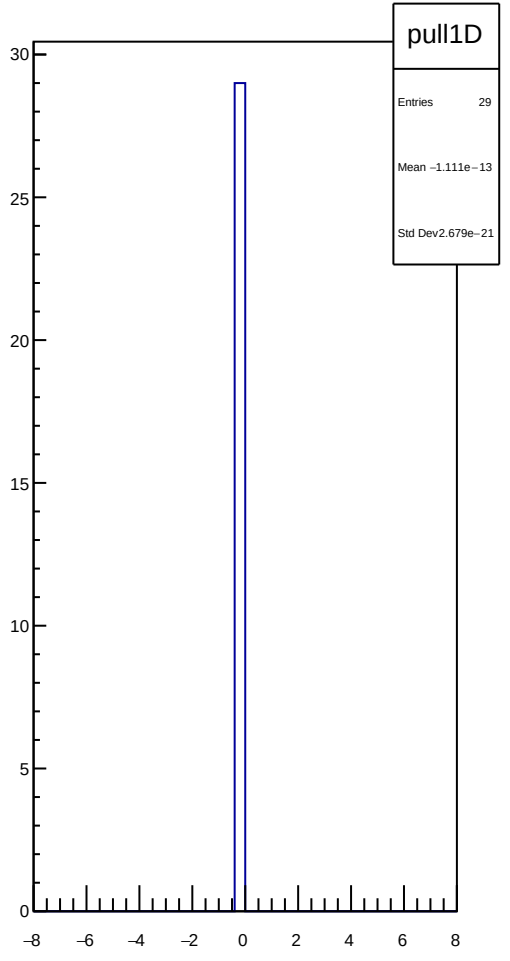

pull1D
Entries 29
Mean 0
Std Dev 0
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

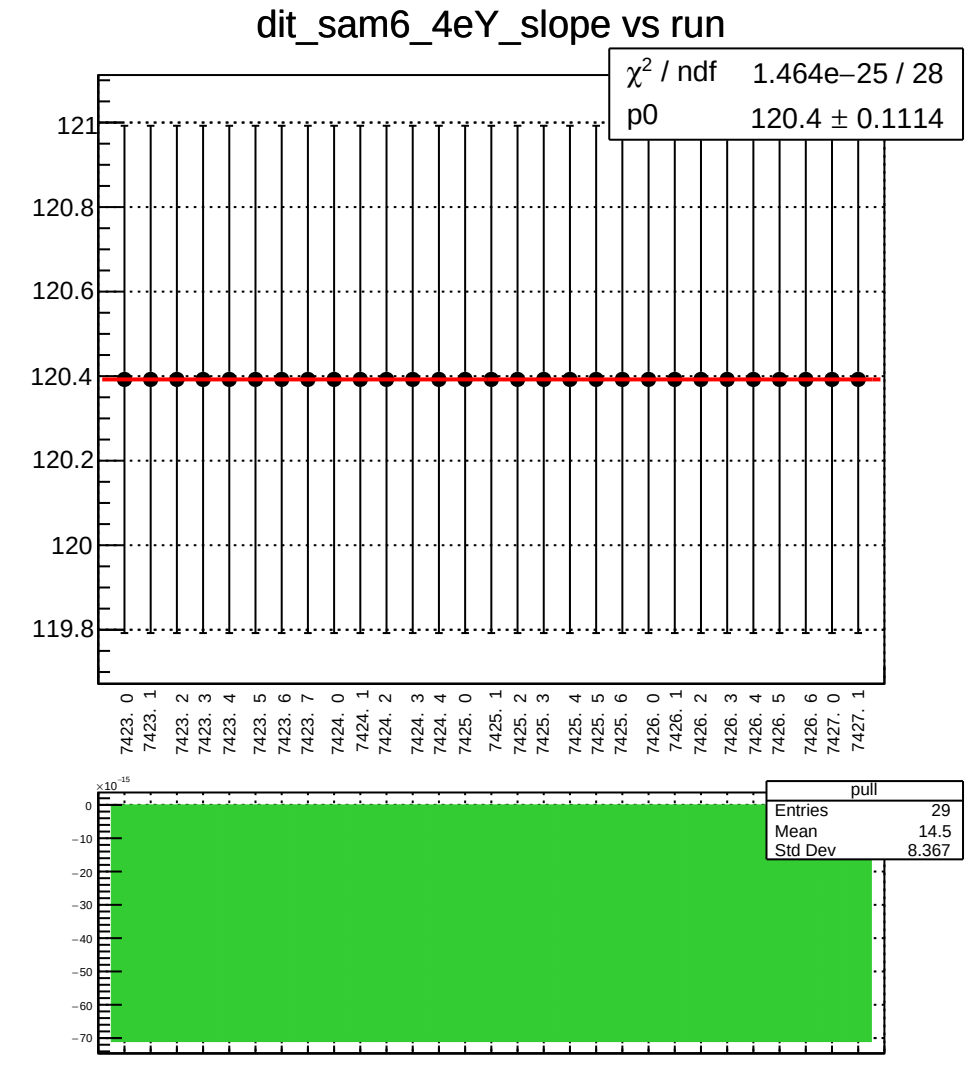

dit_sam6_4eX_slope vs run
χ² / ndf 7.91e−28 / 28
p0 57.41 ± 0.7579
62
61
60
59
58
57
56
55
54
53
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

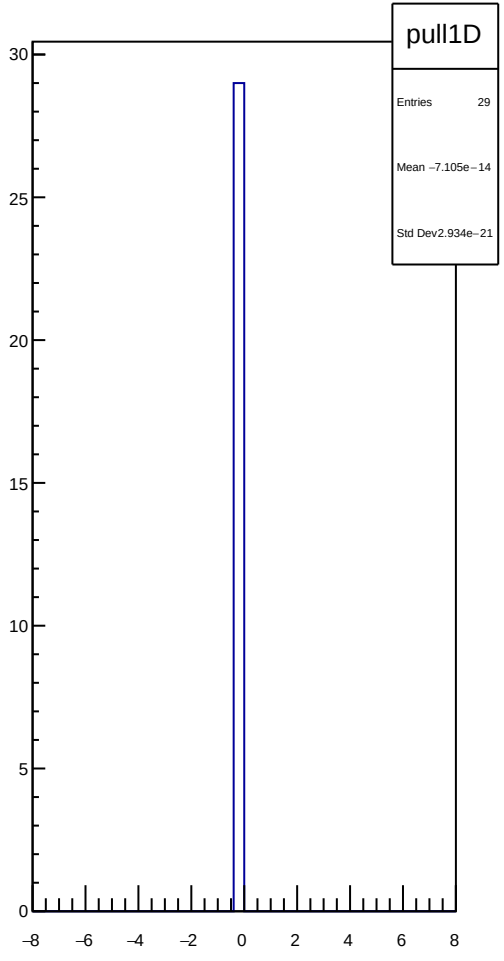

pull1D
Entries 29
Mean 5.223e−15
Std Dev1.497e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

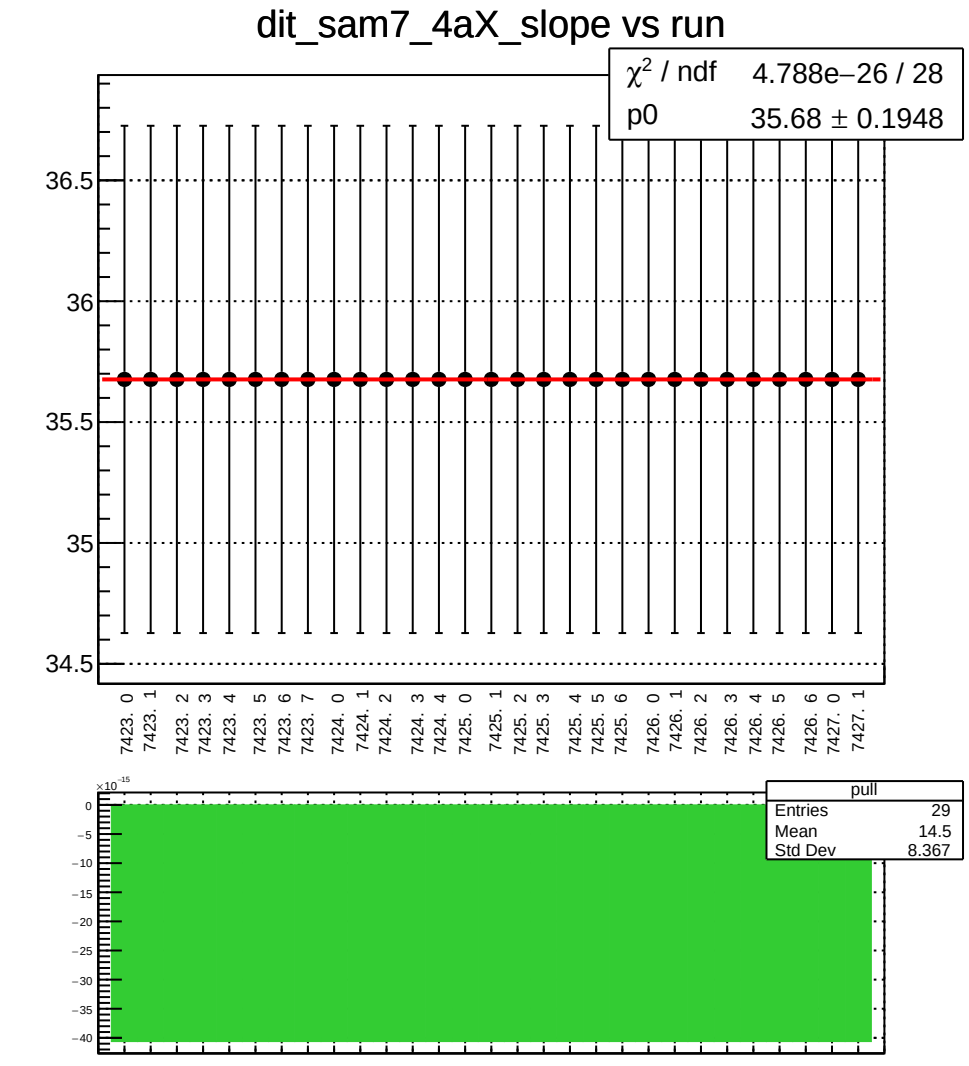

dit_sam6_11X12X_slope vs run
χ² / ndf 3.535e−28 / 28
p0 0.3423 ± 0.01181
0.4
0.38
0.36
0.34
0.32
0.3
0.28
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull
Entries 29
Mean 14.5
Std Dev 8.367
pull1D
Entries 29
Mean −3.491e−15
Std Dev9.904e−23
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

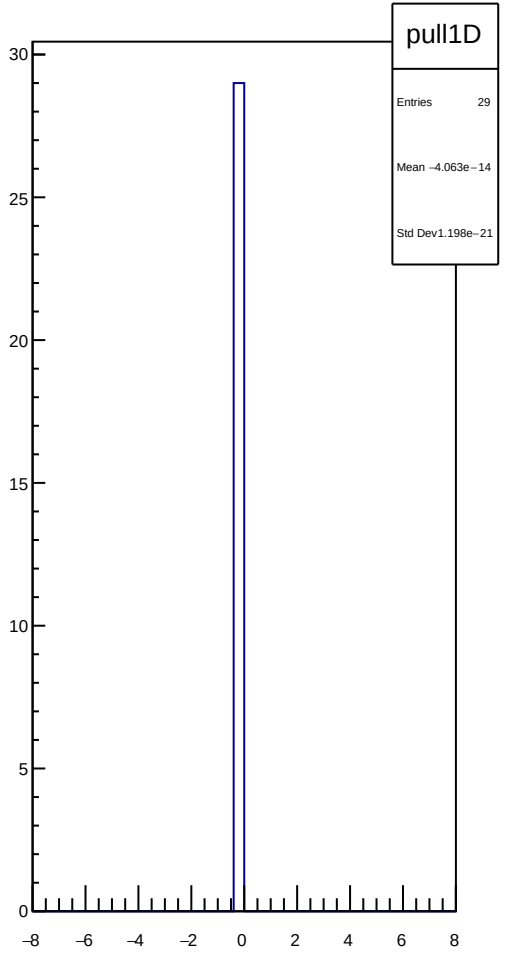

dit_sam6_4aY_slope vs run
χ² / ndf 3.579e−25 / 28
p0 11.7 ± 0.02672
11.85
11.8
11.75
11.7
11.65
11.6
11.55
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 29
Mean 14.5
Std Dev 8.367

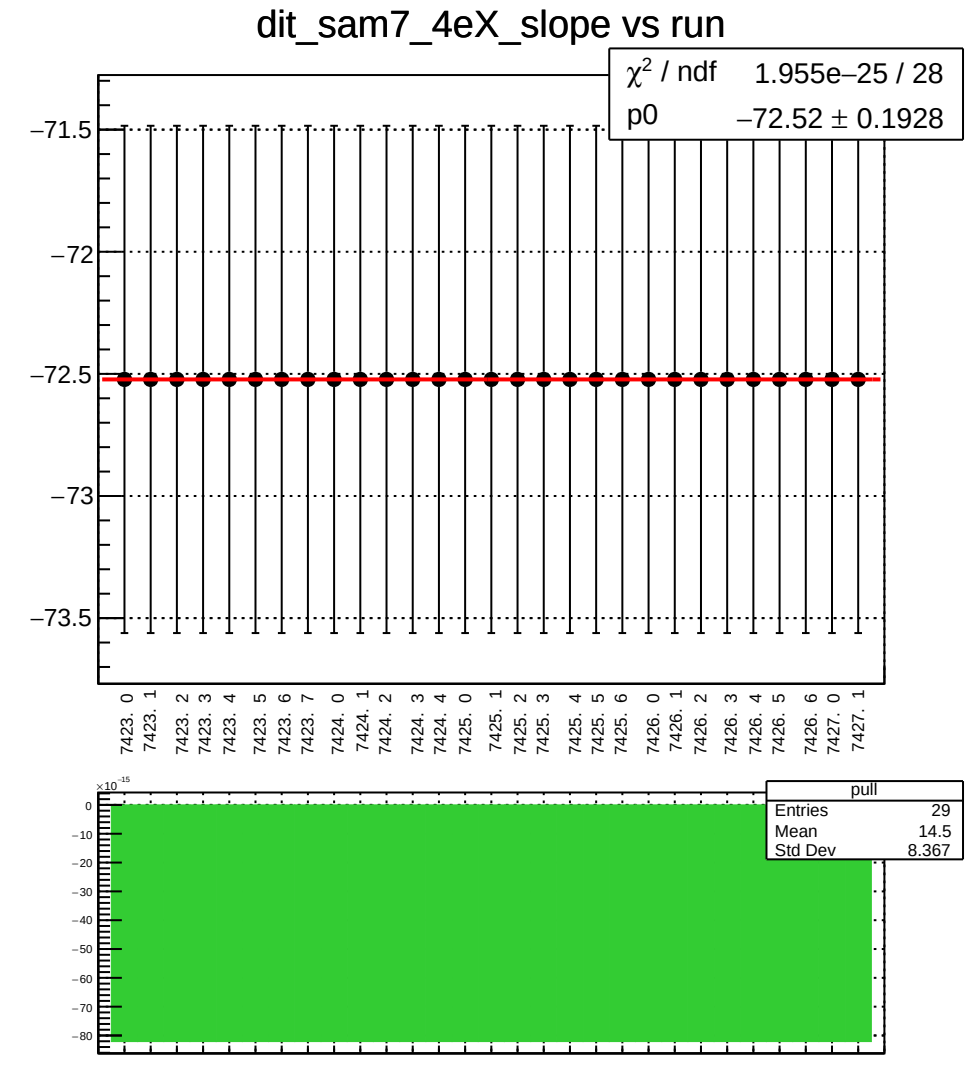

pull1D
Entries 29
Mean −1.111e−13
Std Dev2.679e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

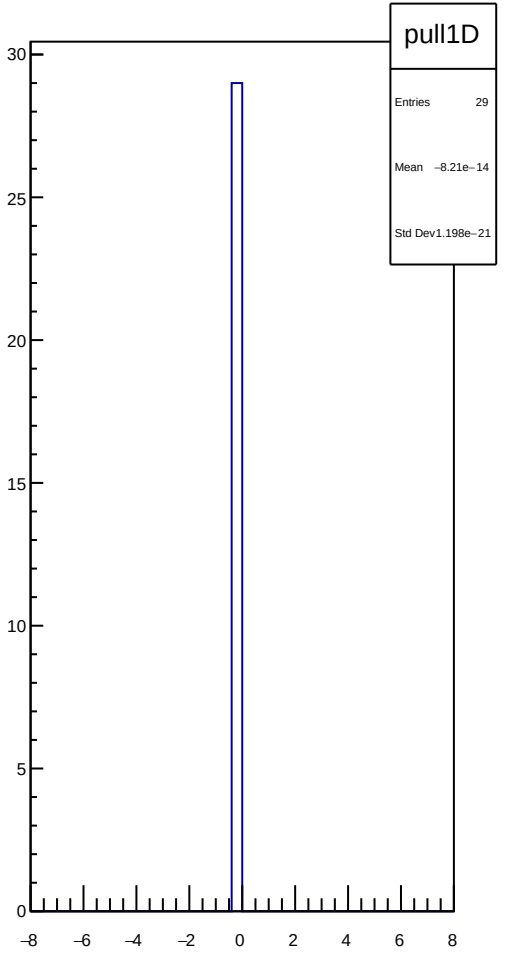

dit_sam6_4eY_slope vs run
χ² / ndf 1.464e−25 / 28
p0 120.4 ± 0.1114
121
120.8
120.6
120.4
120.2
120
119.8
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 29
Mean 14.5
Std Dev 8.367

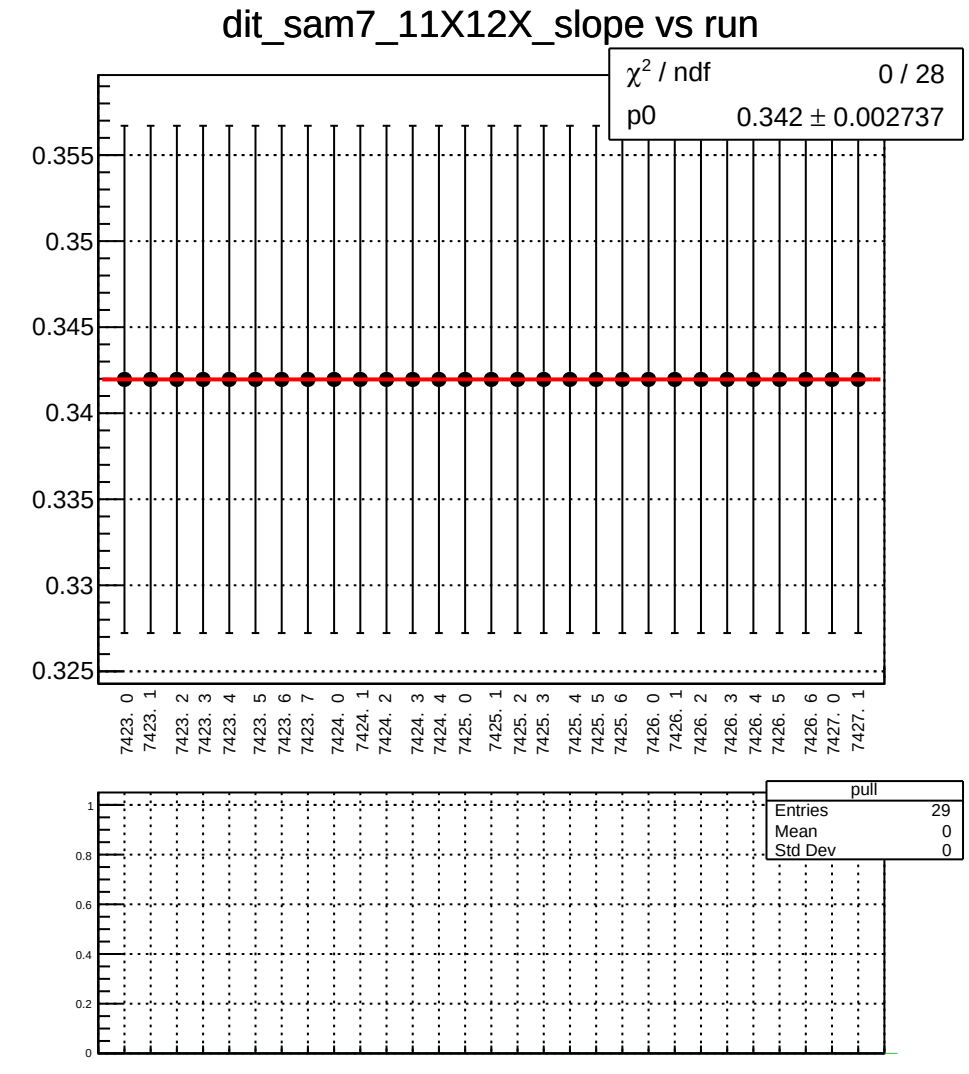

pull1D
Entries 29
Mean −7.105e−14
Std Dev2.934e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

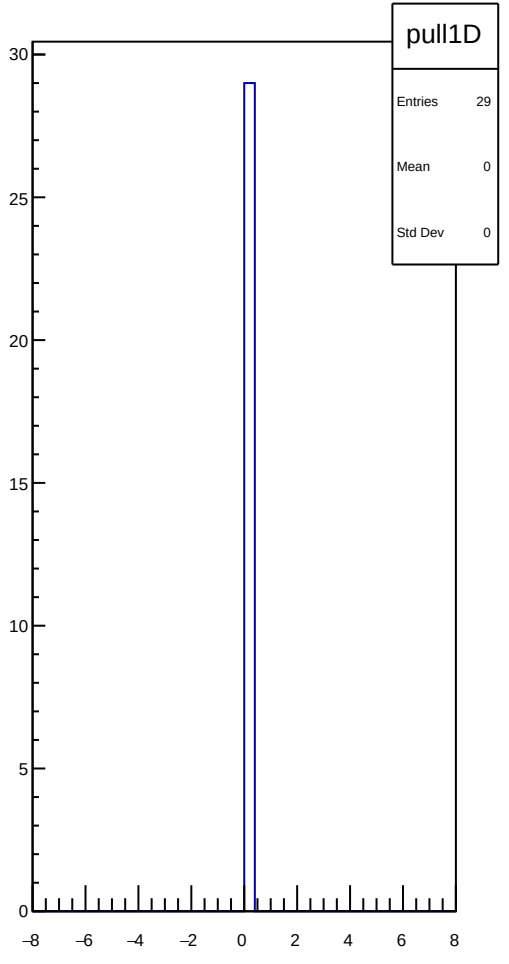

dit_sam7_4aX_slope vs run
χ² / ndf 4.788e−26 / 28
p0 35.68 ± 0.1948
36.5
36
35.5
35
34.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 29
Mean 14.5
Std Dev 8.367

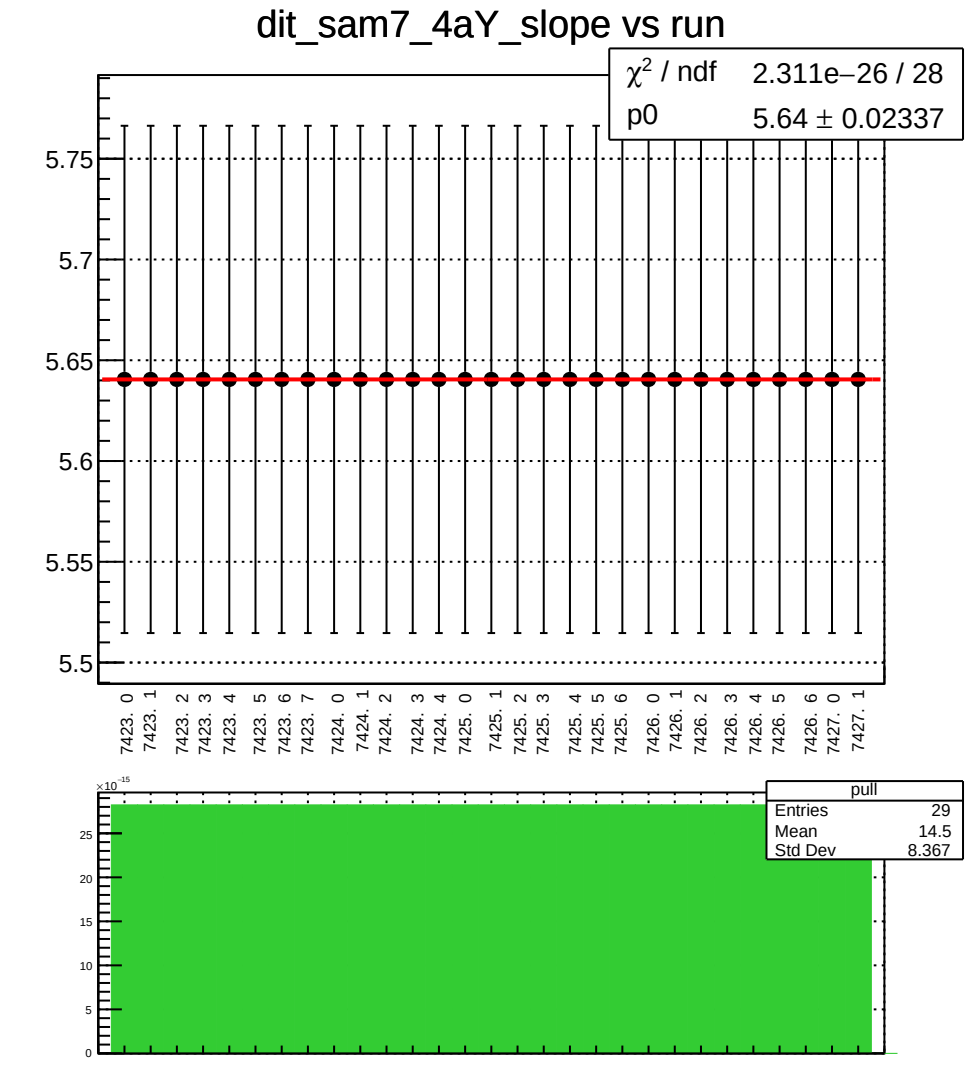

pull1D
Entries 29
Mean −4.063e−14
Std Dev1.198e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

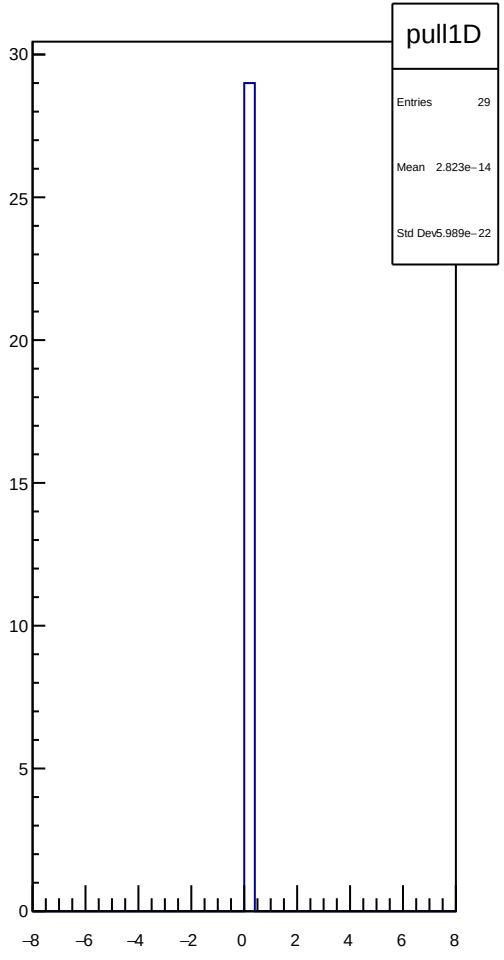

dit_sam7_4eX_slope vs run
χ² / ndf 1.955e−25 / 28
p0 −72.52 ± 0.1928
−71.5
−72
−72.5
−73
−73.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull
Entries 29
Mean 14.5
Std Dev 8.367

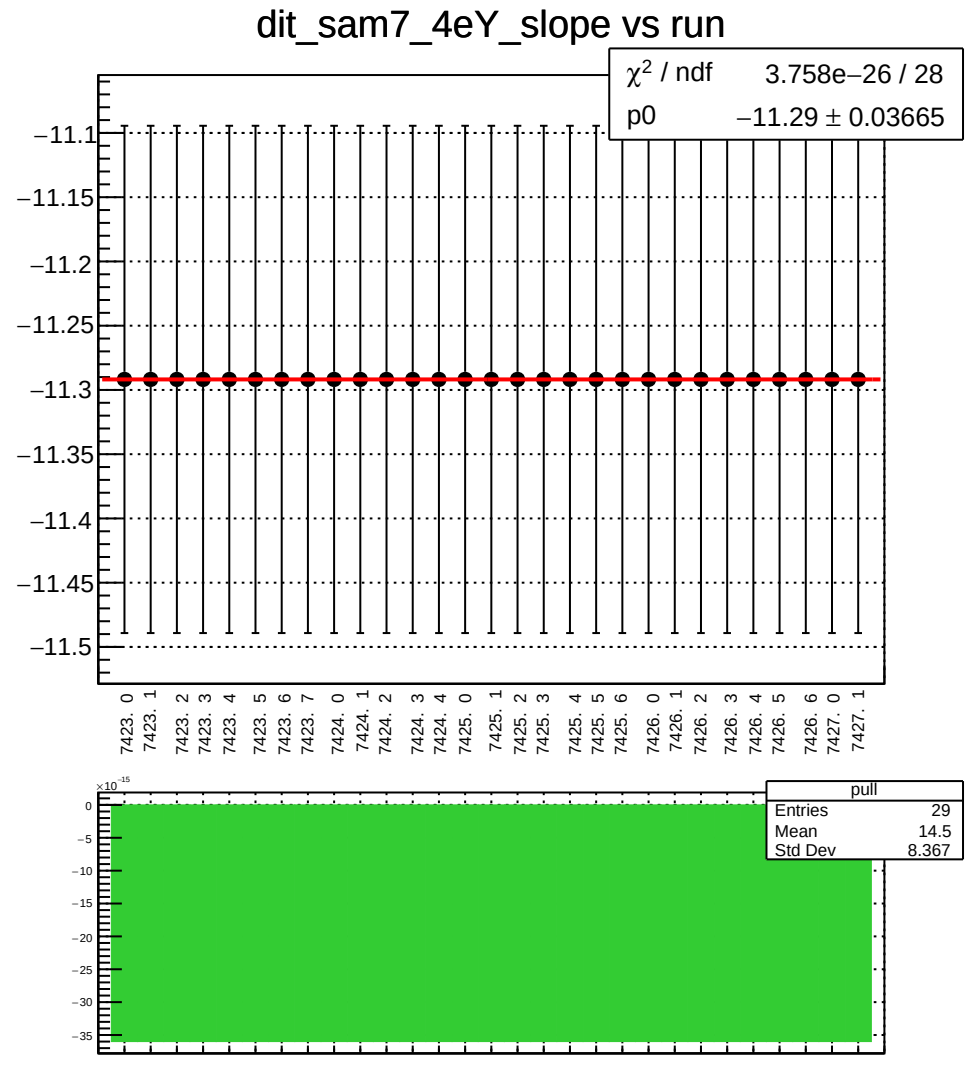

pull1D
Entries 29
Mean −8.21e−14
Std Dev1.198e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

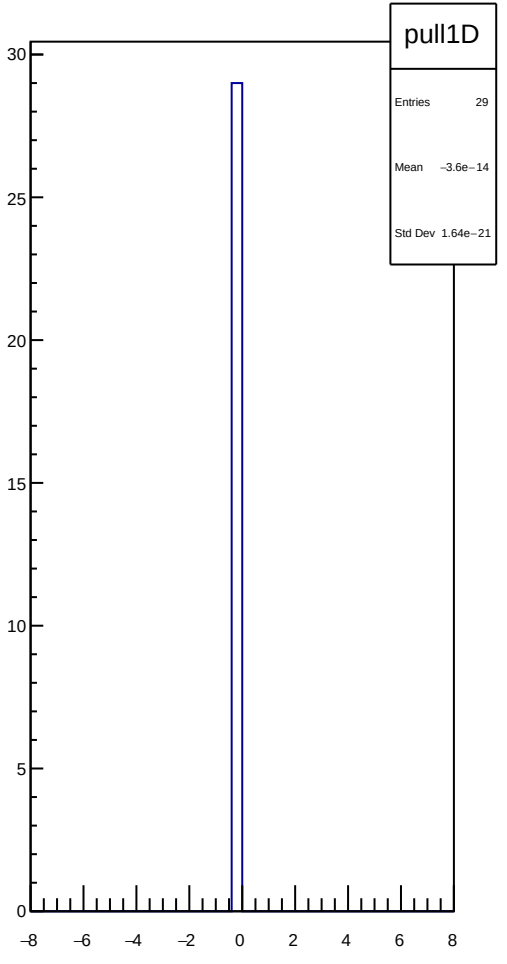

dit_sam7_11X12X_slope vs run
χ² / ndf 0 / 28
p0 0.342 ± 0.002737
0.355
0.35
0.345
0.34
0.335
0.33
0.325
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

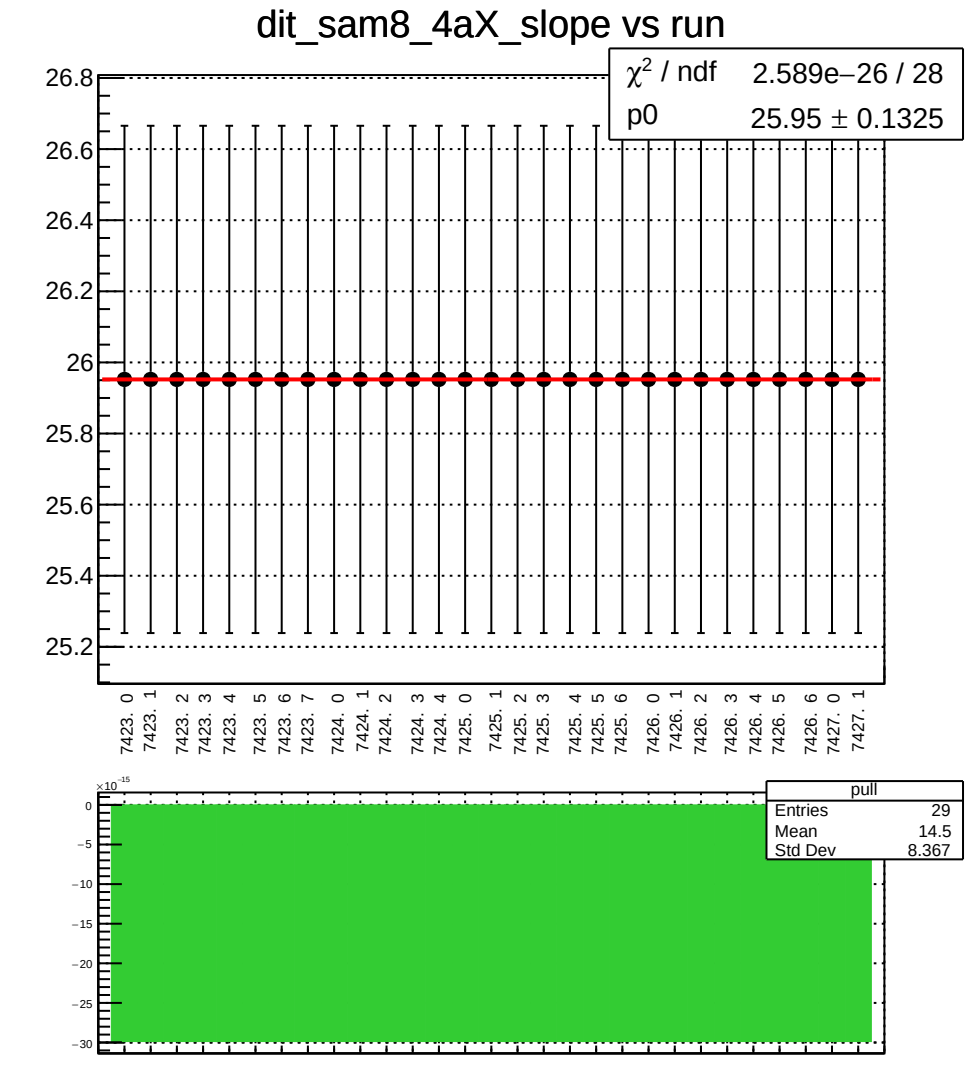

pull1D
Entries 29
Mean 0
Std Dev 0
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

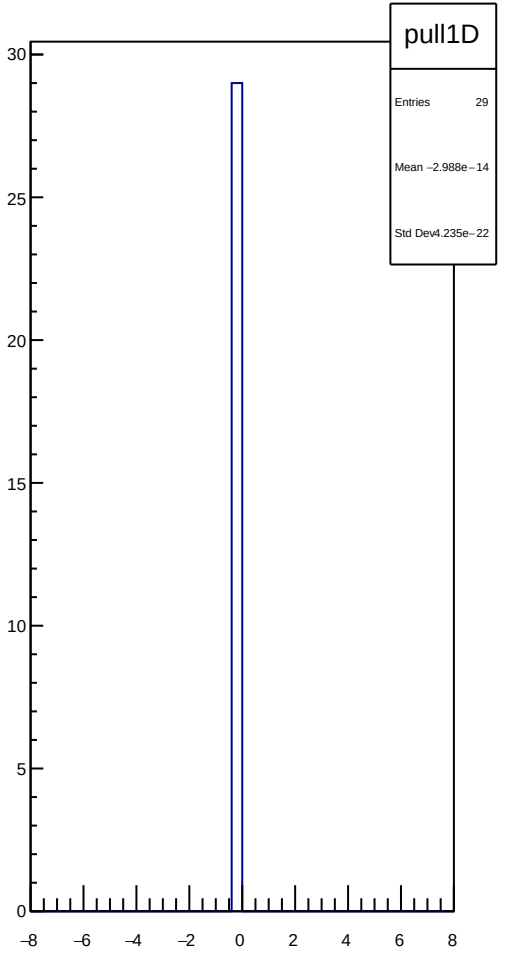

dit_sam7_4aY_slope vs run
χ² / ndf 2.311e−26 / 28
p0 5.64 ± 0.02337
5.75
5.7
5.65
5.6
5.55
5.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 29
Mean 14.5
Std Dev 8.367

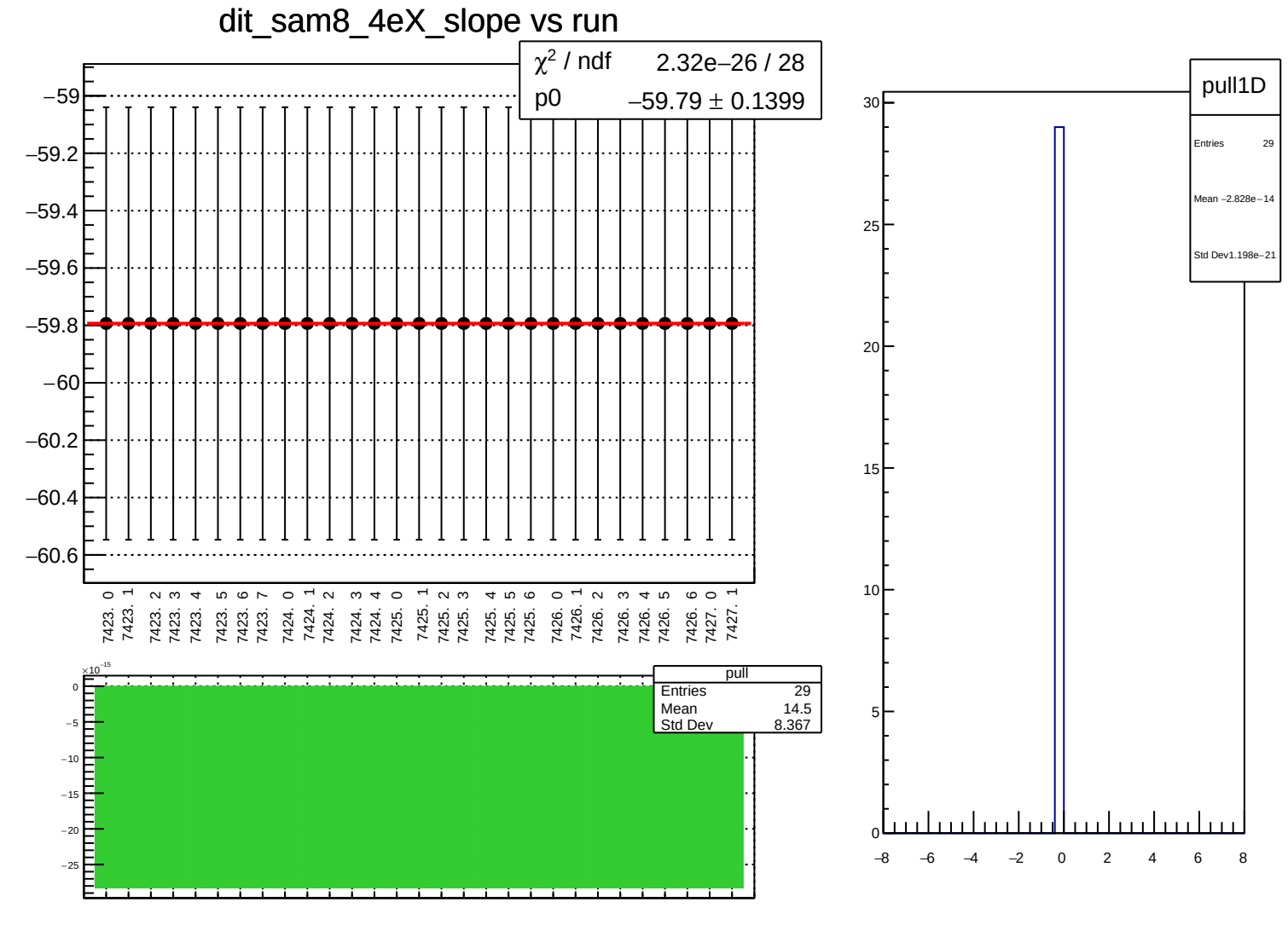

pull1D
Entries 29
Mean 2.823e−14
Std Dev 5.989e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

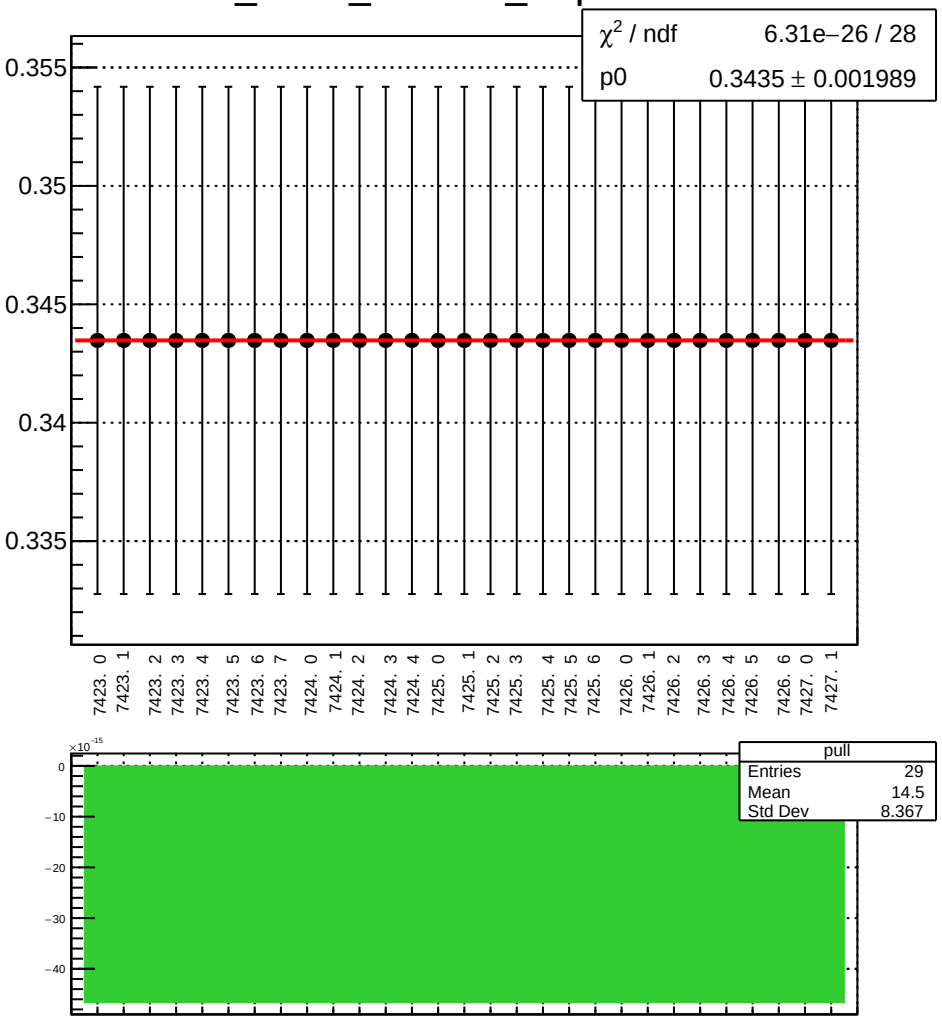

dit_sam7_4eY_slope vs run
χ² / ndf 3.758e−26 / 28
p0 −11.29 ± 0.03665
−11.1
−11.15
−11.2
−11.25
−11.3
−11.35
−11.4
−11.45
−11.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
pull
Entries 29
Mean 14.5
Std Dev 8.367

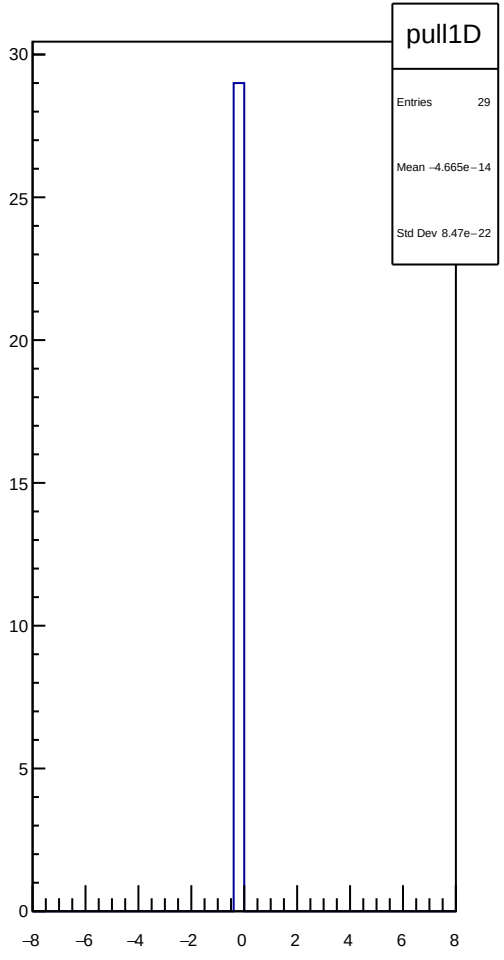

pull1D
Entries 29
Mean −3.6e−14
Std Dev 1.64e−21

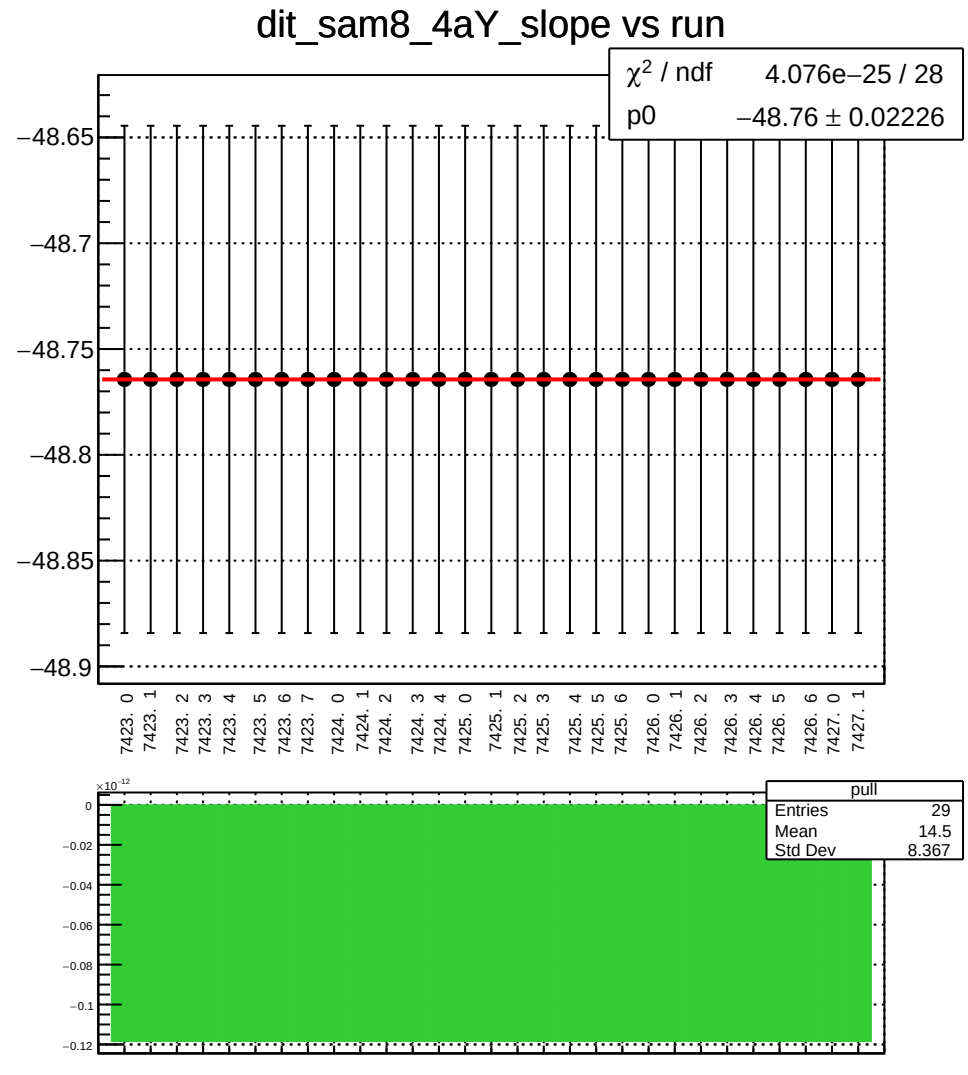

dit_sam8_4aX_slope vs run
χ² / ndf 2.589e−26 / 28
p0 25.95 ± 0.1325
26.8
26.6
26.4
26.2
26
25.8
25.6
25.4
25.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 29
Mean 14.5
Std Dev 8.367

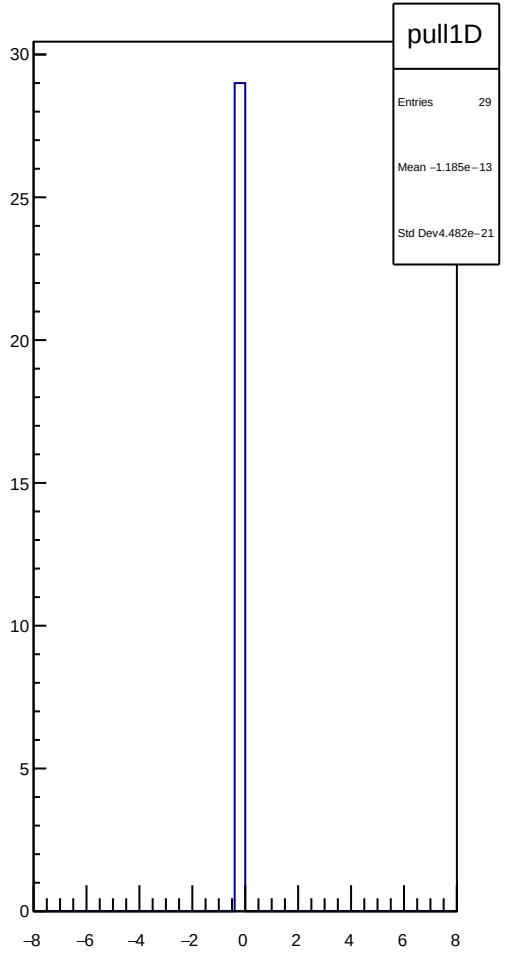

pull1D
Entries 29
Mean −2.988e−14
Std Dev4.235e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

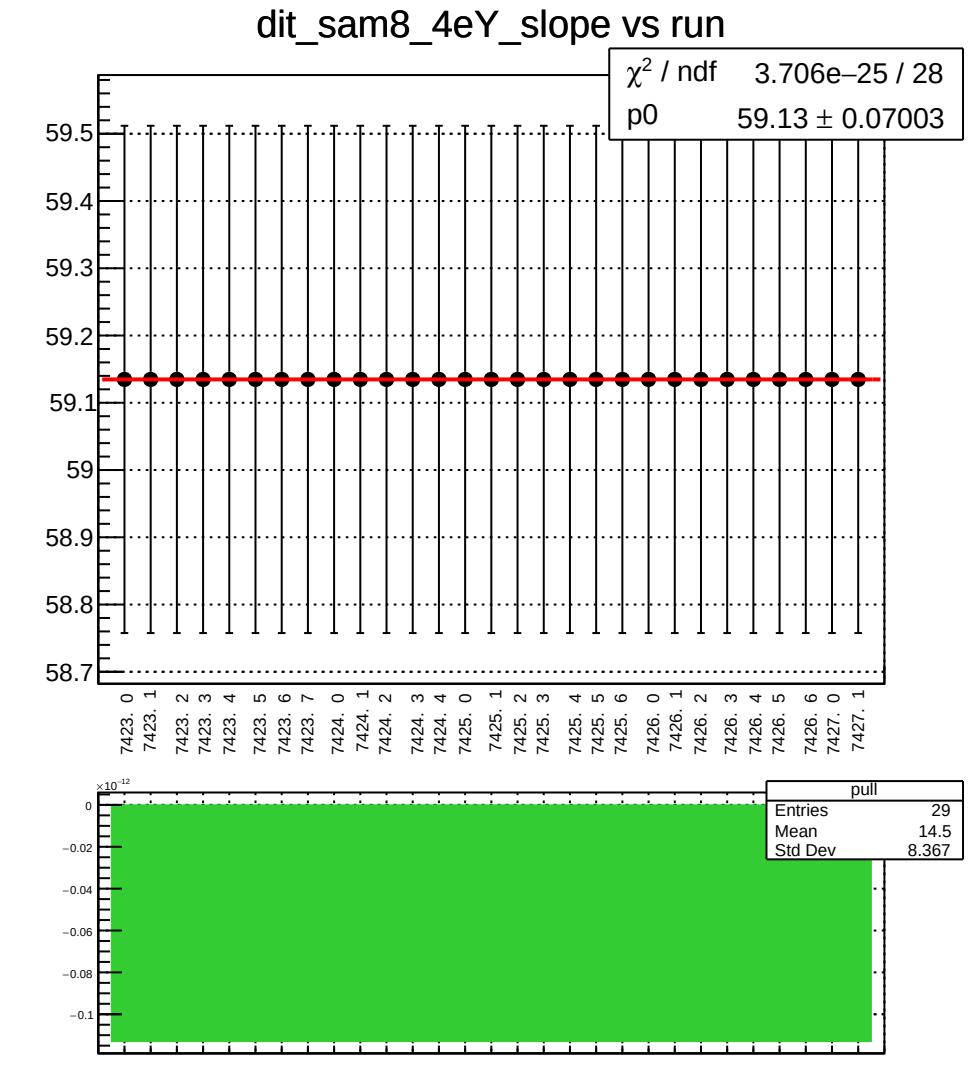

dit_sam8_4eX_slope vs run
χ² / ndf 2.32e−26 / 28
p0 −59.79 ± 0.1399
−59
−59.2
−59.4
−59.6
−59.8
−60
−60.2
−60.4
−60.6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull
Entries 29
Mean 14.5
Std Dev 8.367
pull1D
Entries 29
Mean −2.828e−14
Std Dev1.198e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

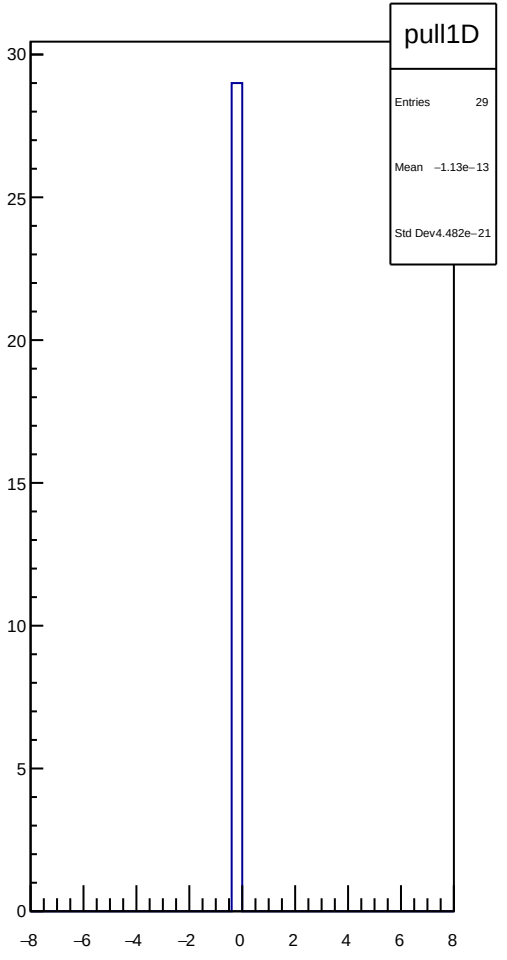

dit_sam8_11X12X_slope vs run
χ² / ndf 6.31e−26 / 28
p0 0.3435 ± 0.001989
0.355
0.35
0.345
0.34
0.335
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹⁵
0
−10
−20
−30
−40
pull
Entries 29
Mean 14.5
Std Dev 8.367

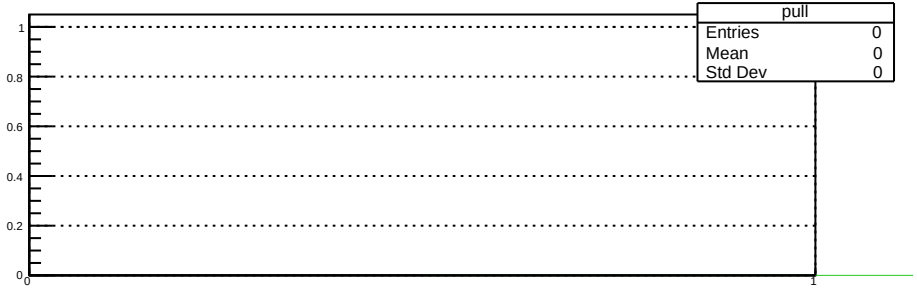

pull1D
Entries 29
Mean −4.665e−14
Std Dev 8.47e−22
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

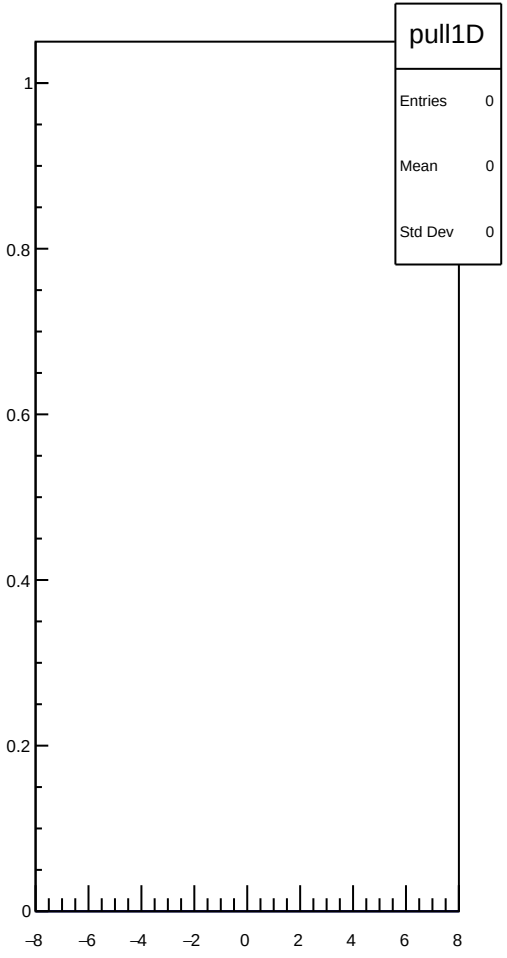

dit_sam8_4aY_slope vs run
χ² / ndf 4.076e−25 / 28
p0 −48.76 ± 0.02226
−48.65
−48.7
−48.75
−48.8
−48.85
−48.9
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 29
Mean 14.5
Std Dev 8.367

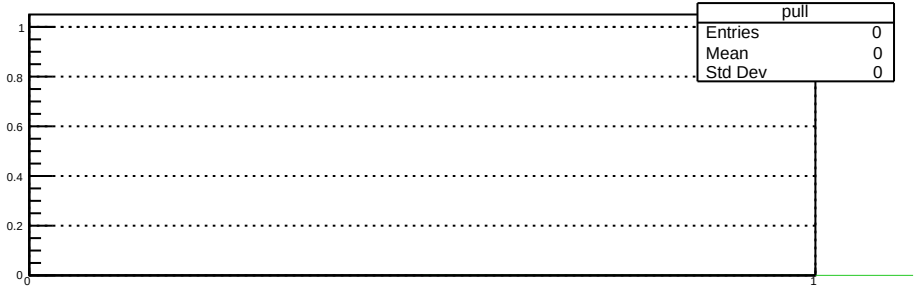

pull1D
Entries 29
Mean −1.185e−13
Std Dev4.482e−21
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

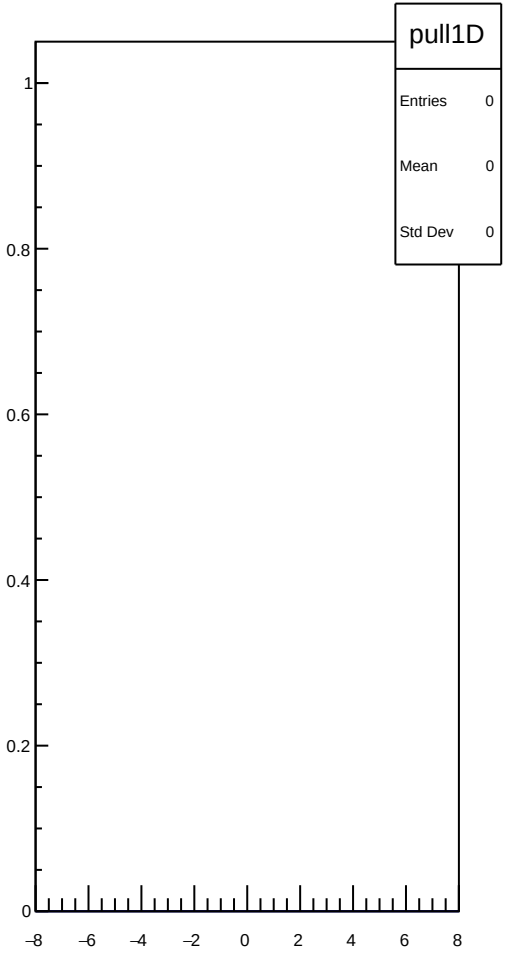

dit_sam8_4eY_slope vs run
χ² / ndf 3.706e−25 / 28
p0 59.13 ± 0.07003
59.5
59.4
59.3
59.2
59.1
59
58.9
58.8
58.7
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 29
Mean 14.5
Std Dev 8.367

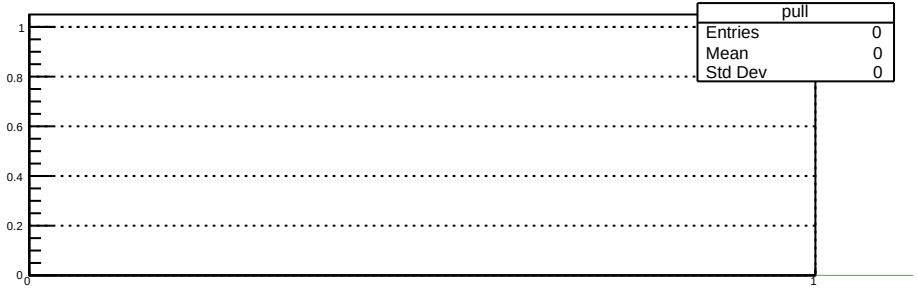

pull1D
Entries 29
Mean −1.13e−13
Std Dev4.482e−21
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−4
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8

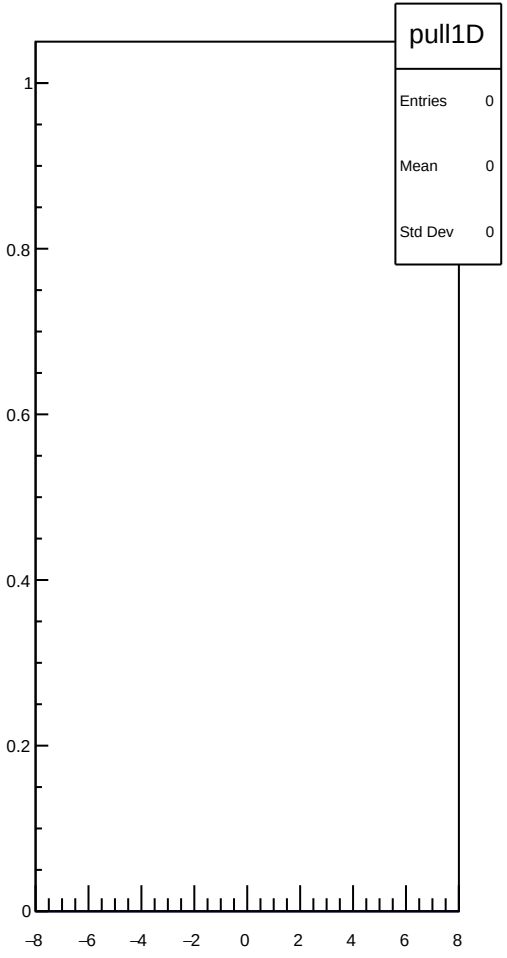

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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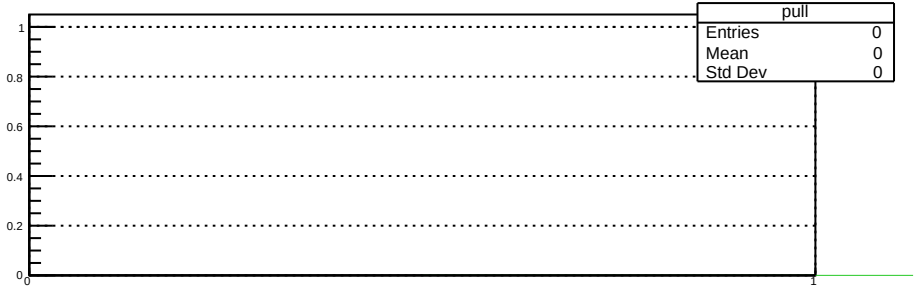

pull1D
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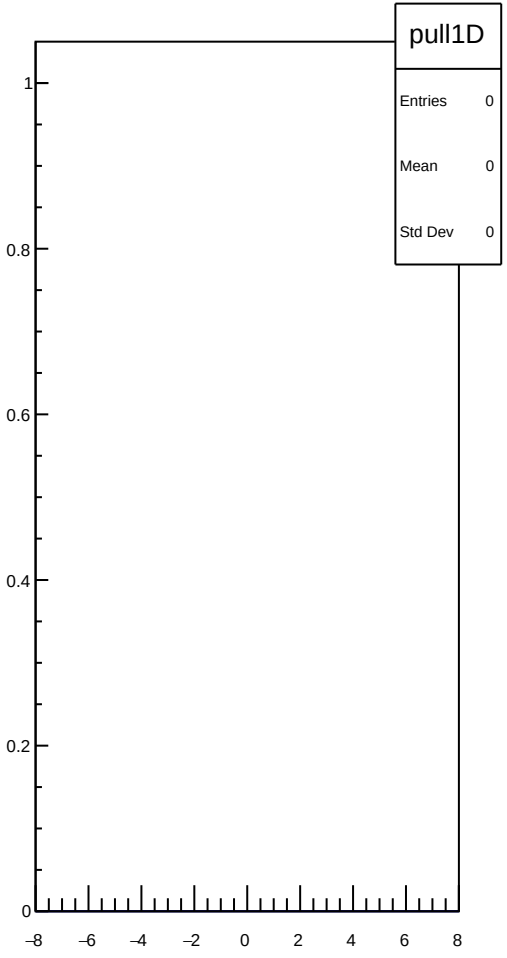

pull
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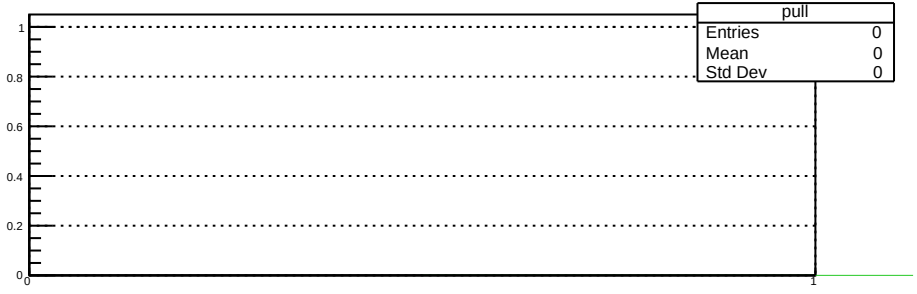

pull1D
Entries 0
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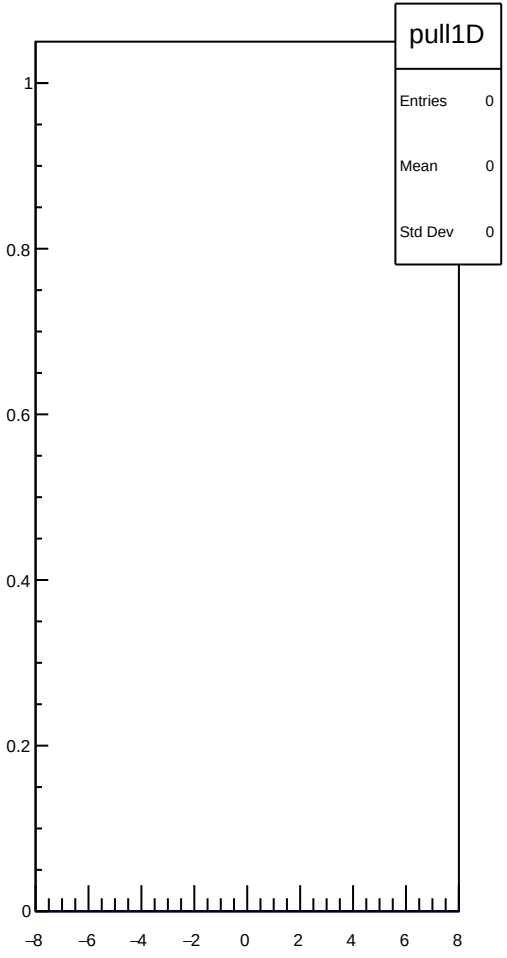

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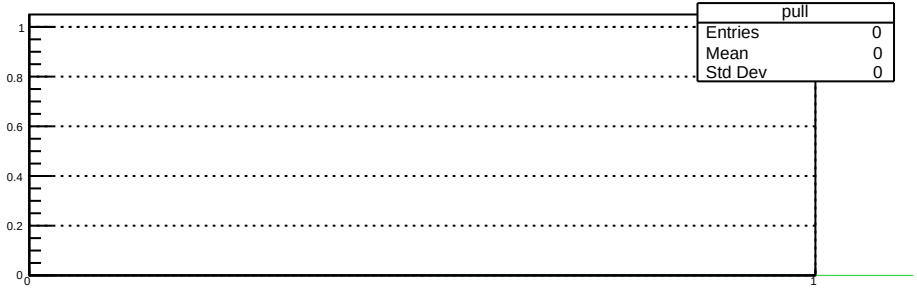

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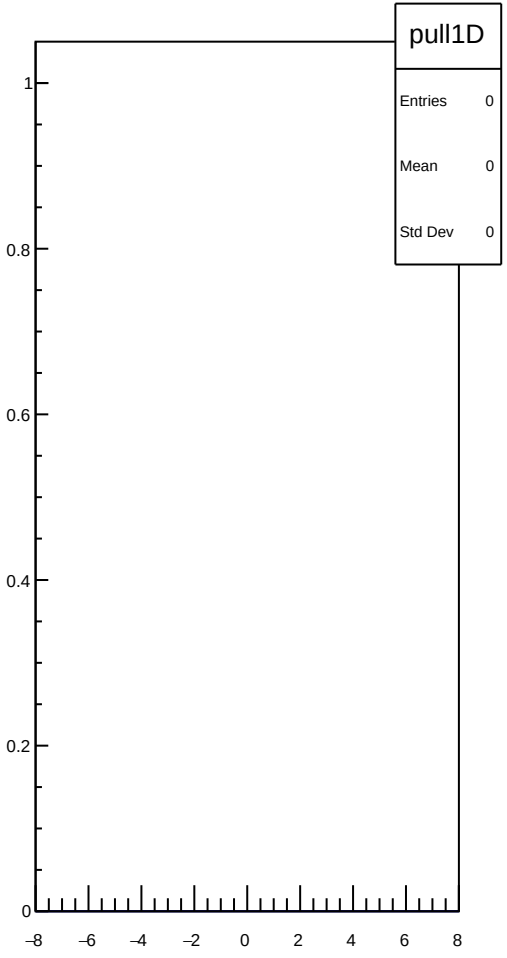

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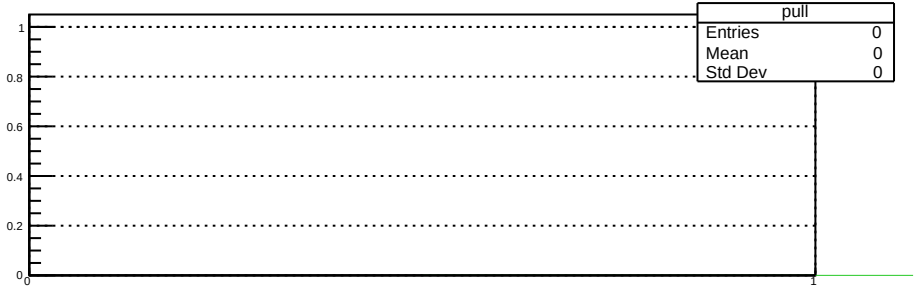

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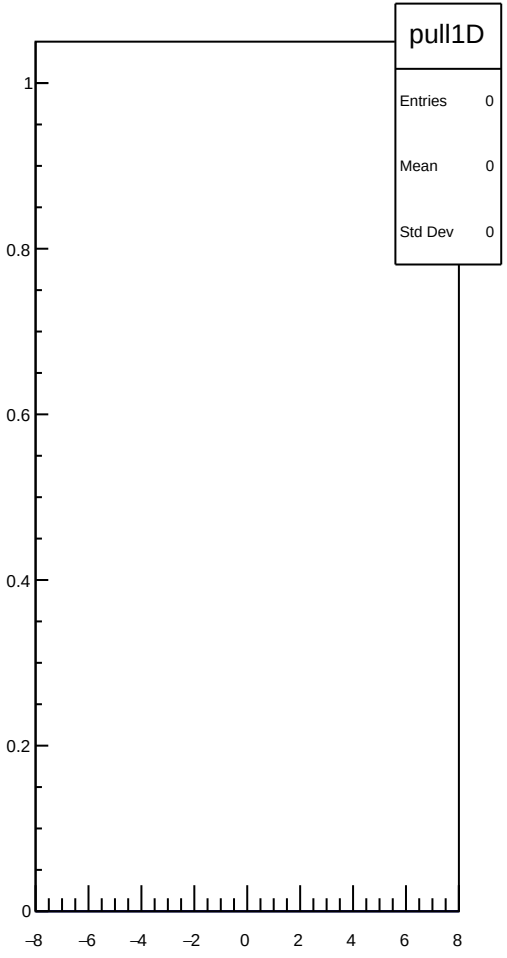

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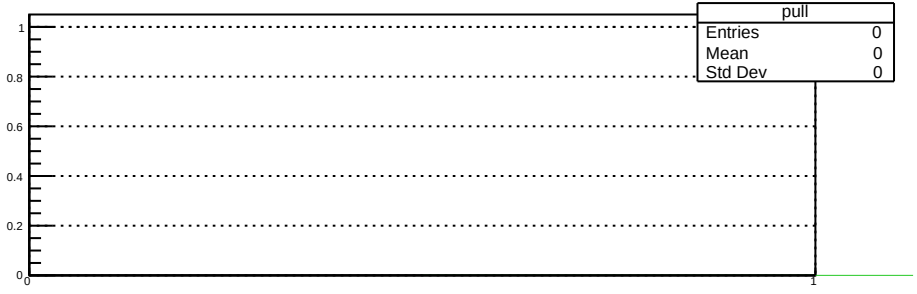

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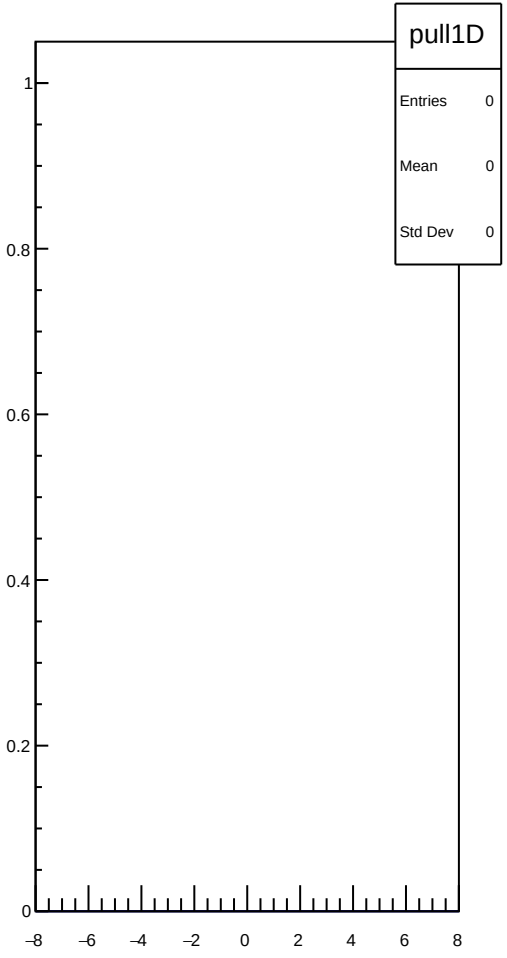

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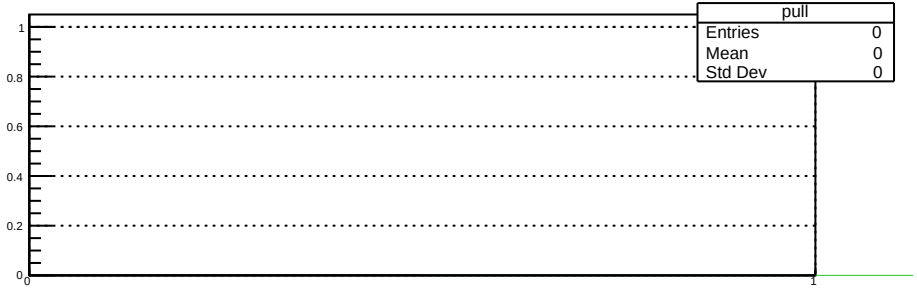

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Std Dev 0
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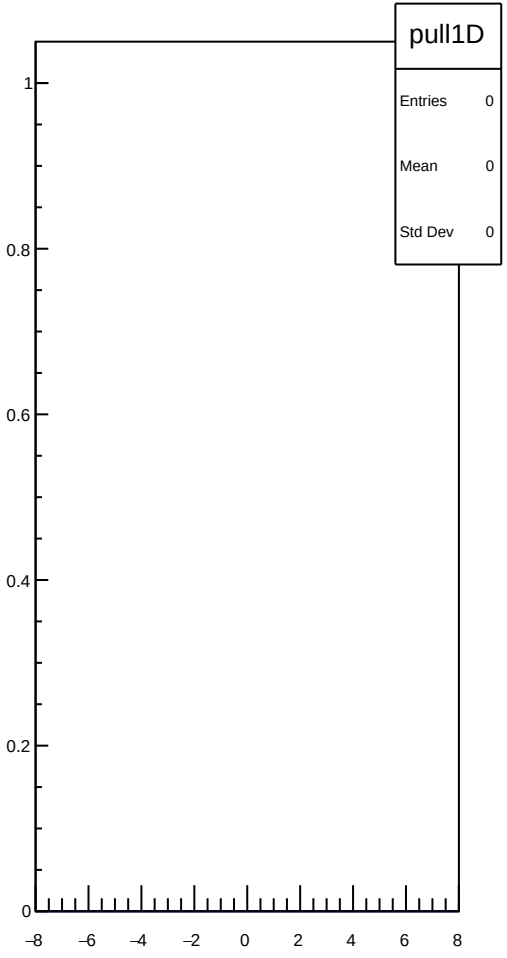

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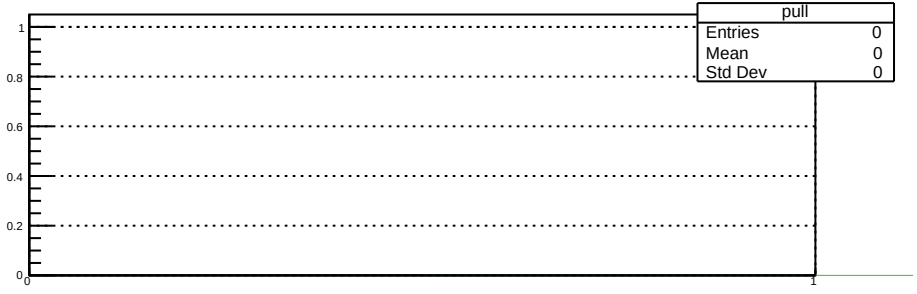

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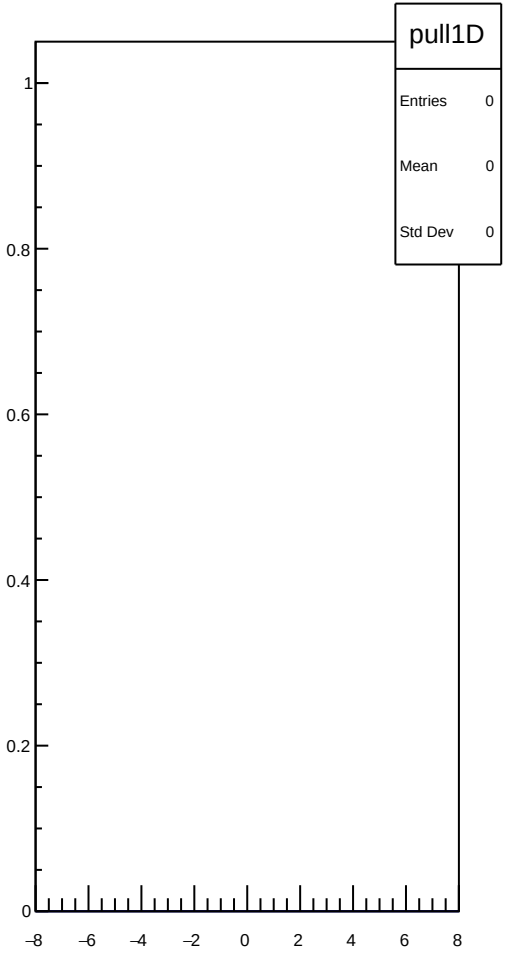

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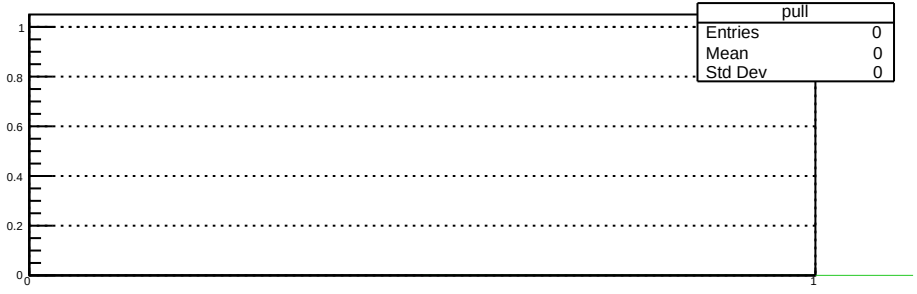

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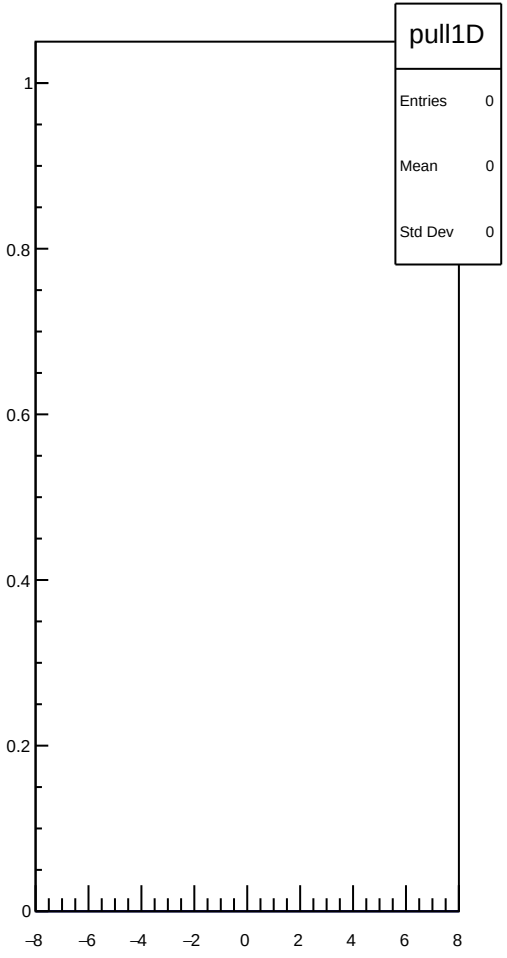

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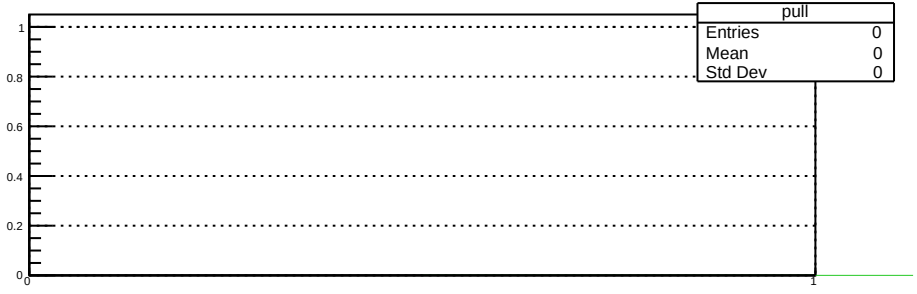

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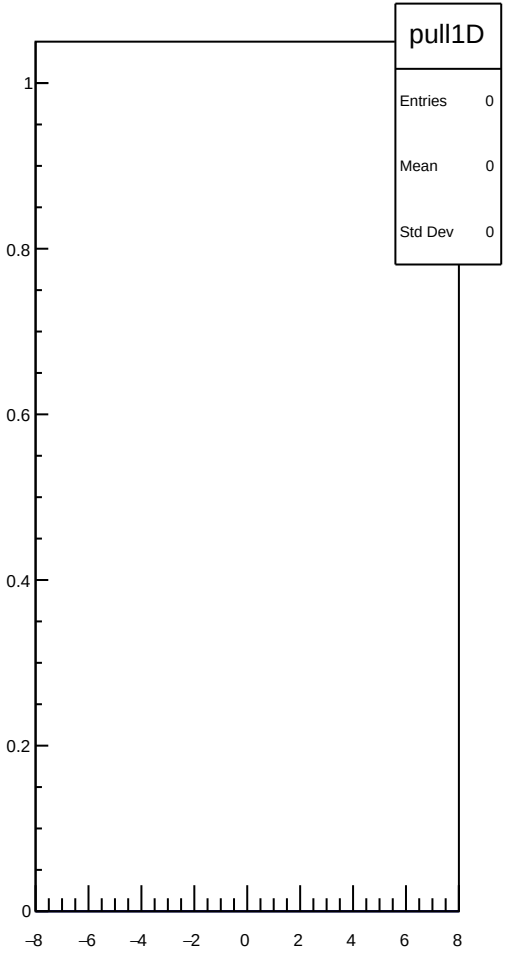

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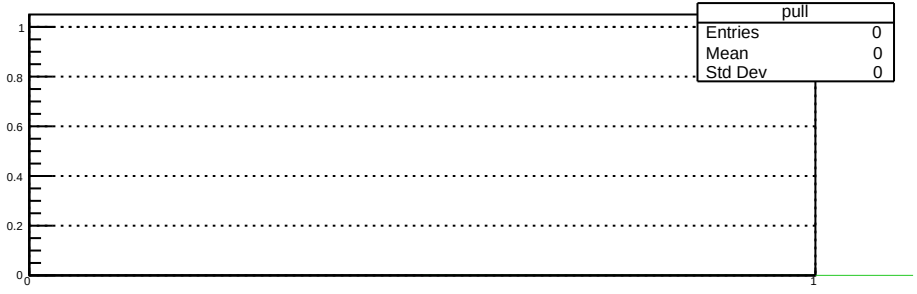

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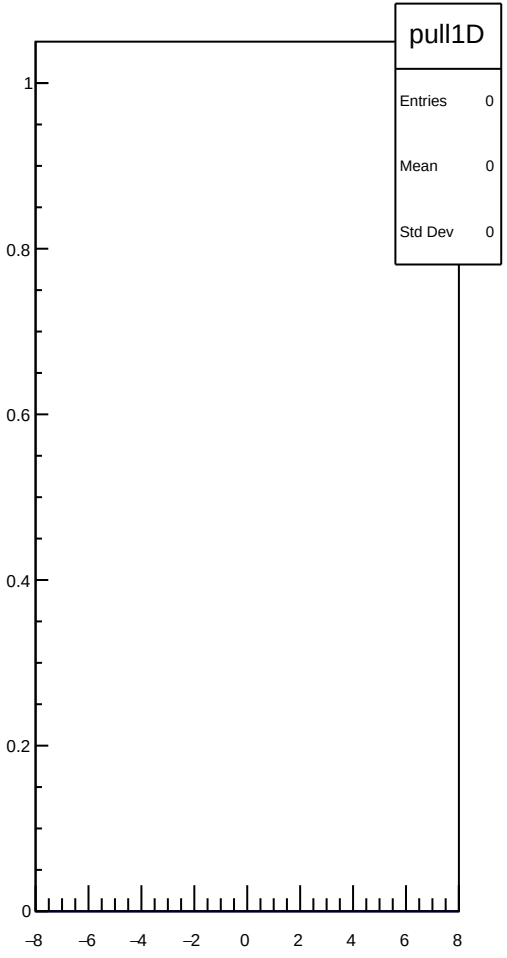

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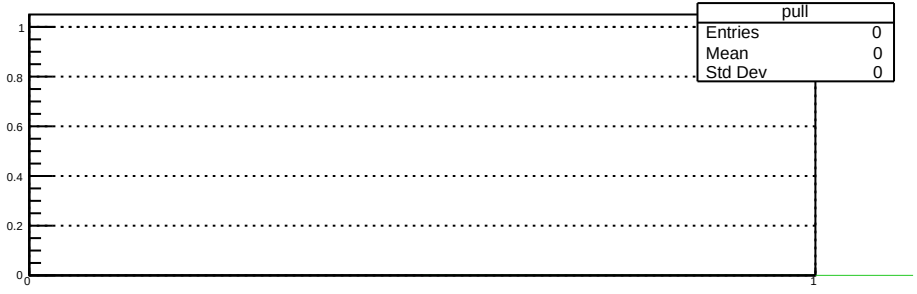

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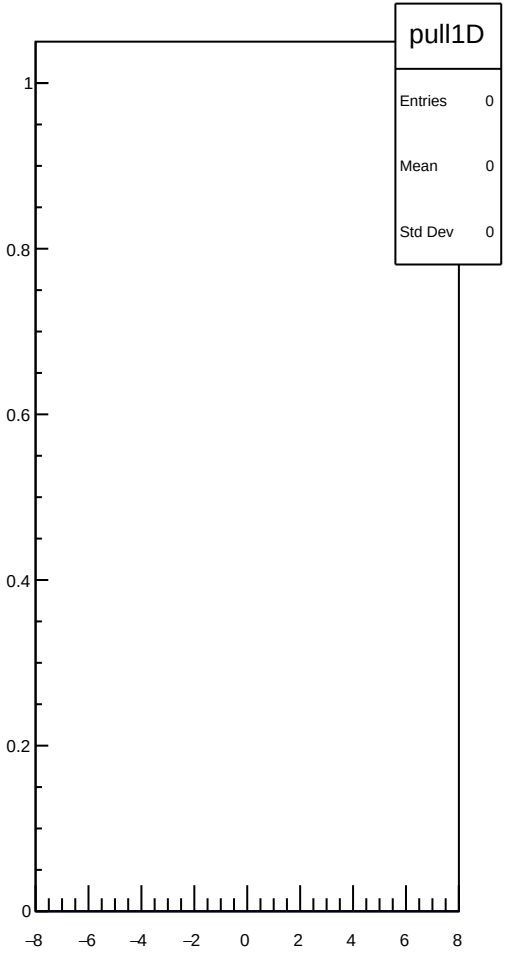

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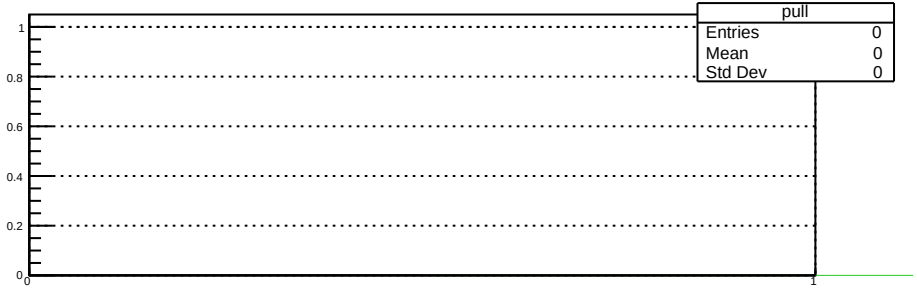

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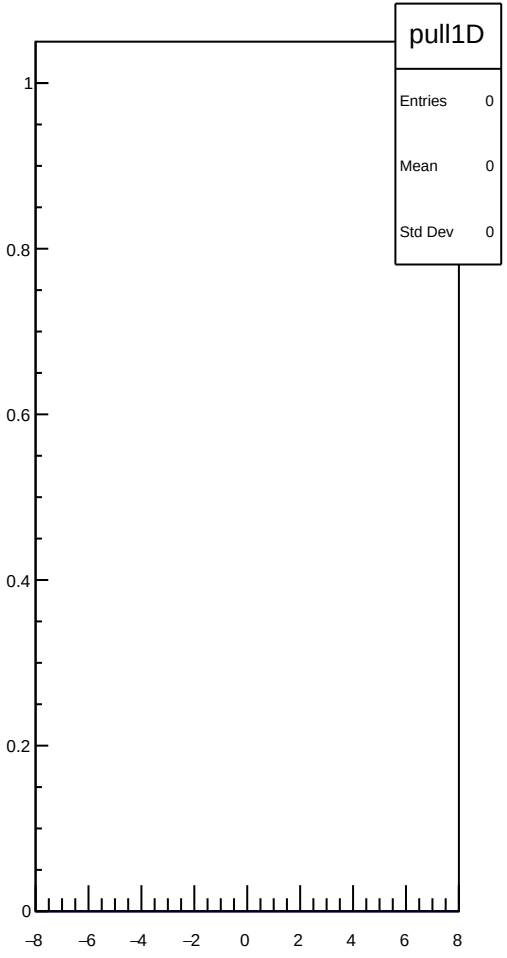

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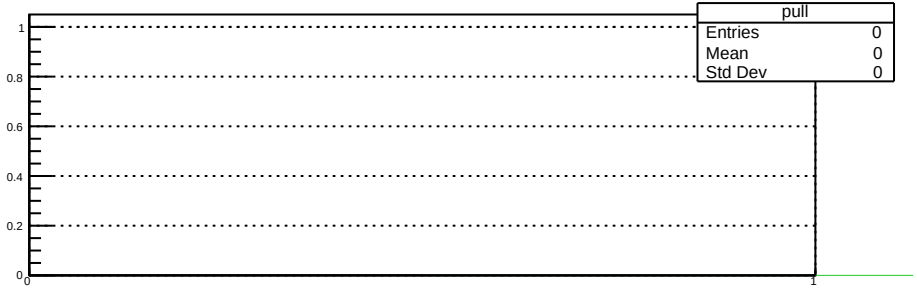

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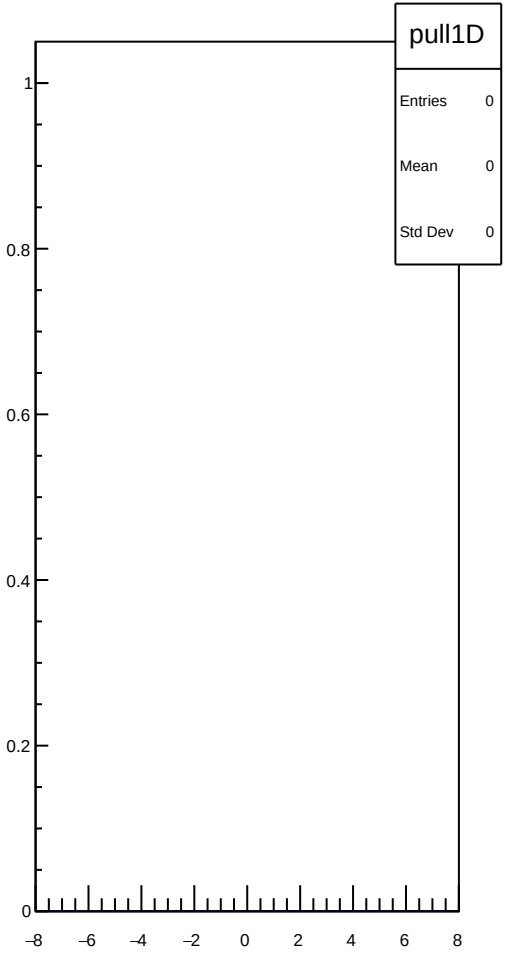

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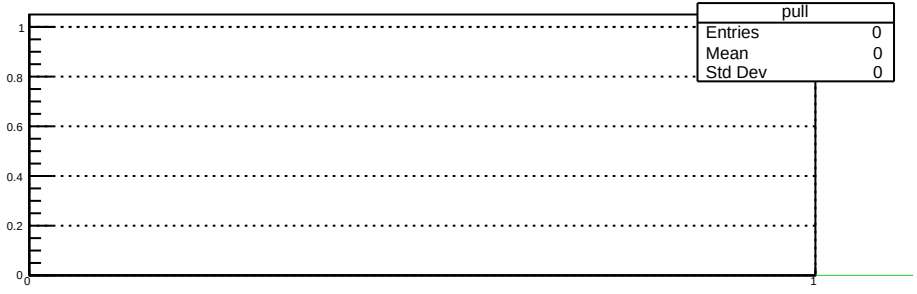

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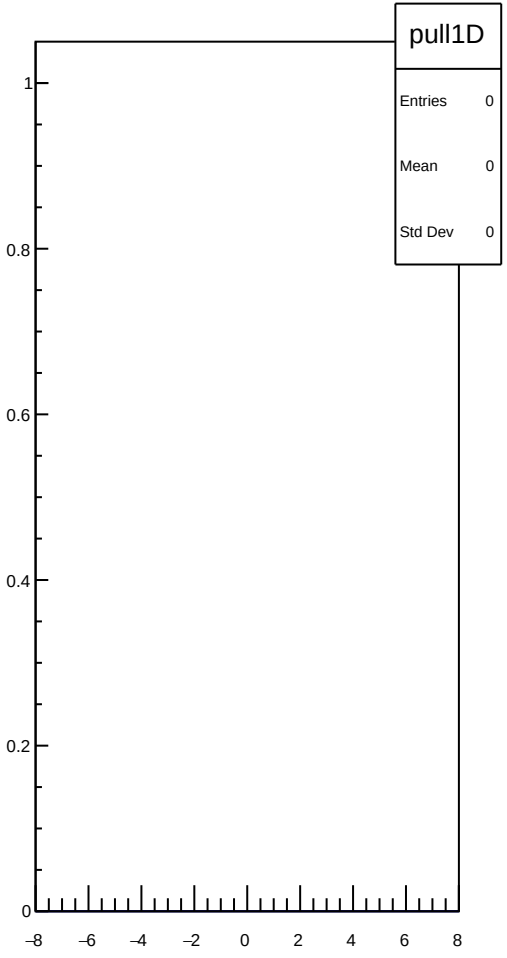

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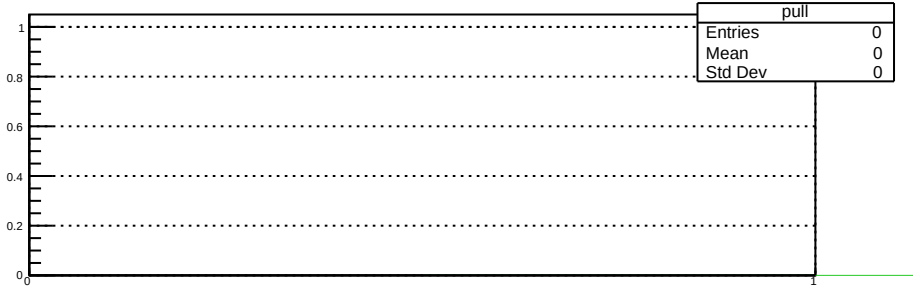

pull1D
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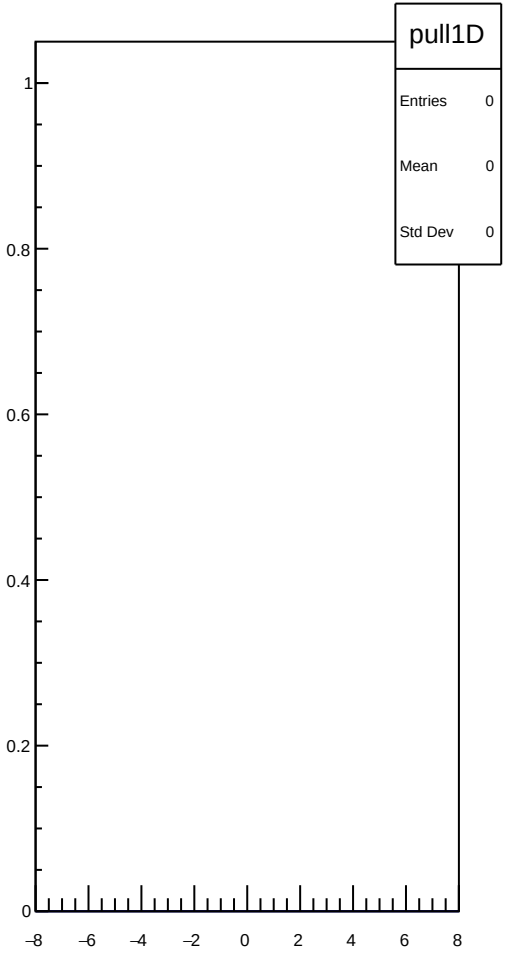

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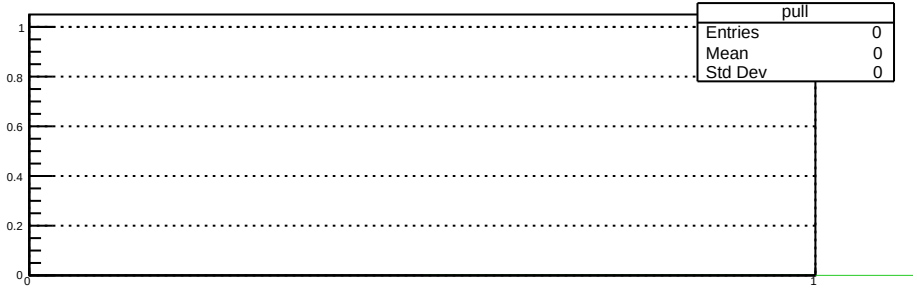

pull1D
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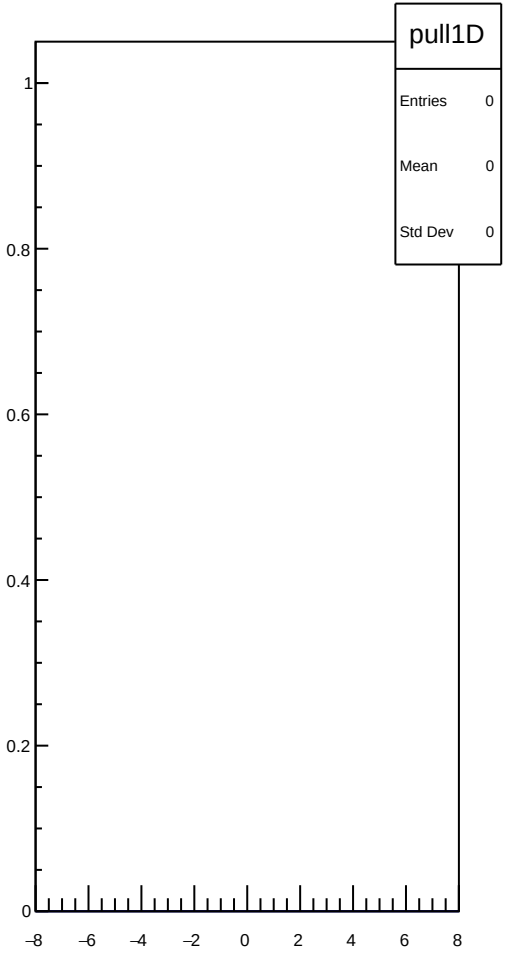

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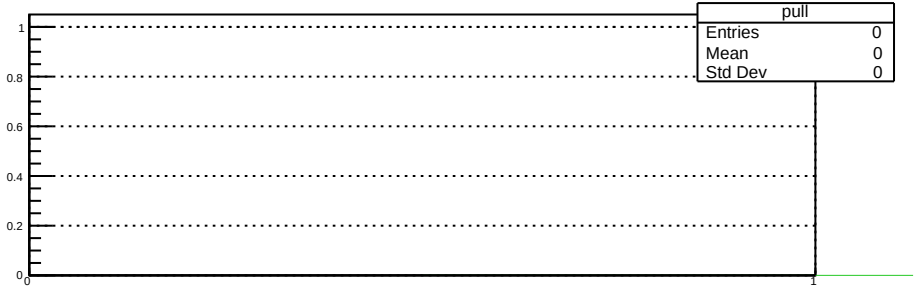

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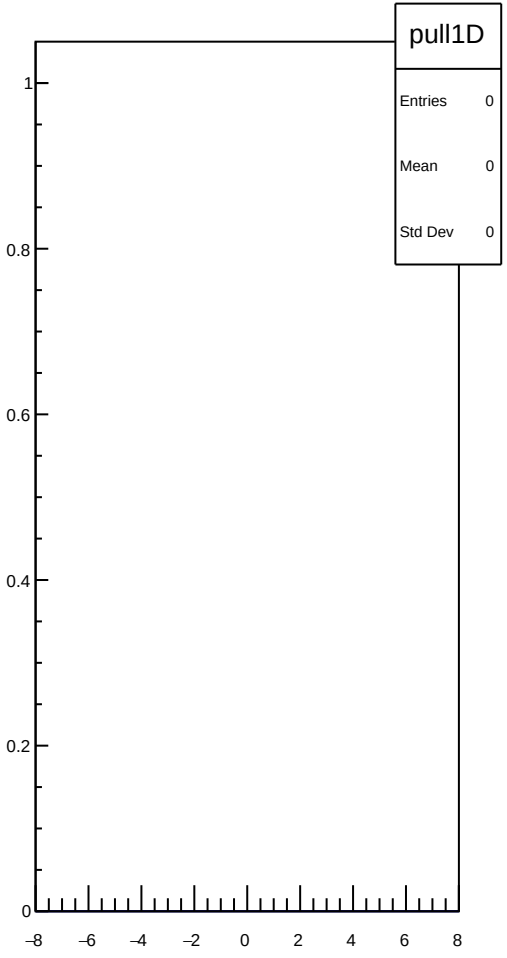

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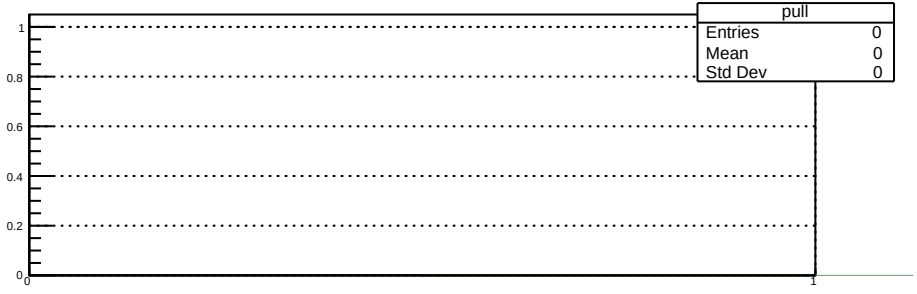

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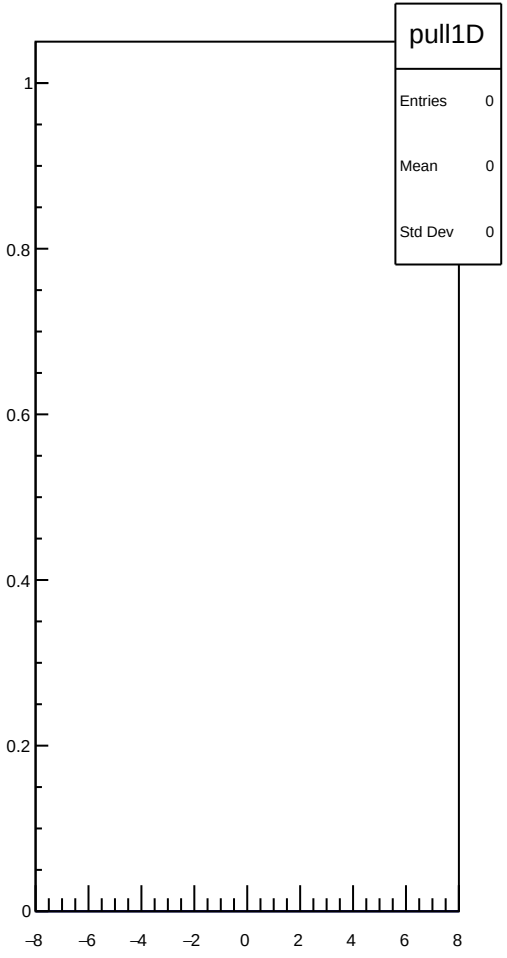

pull
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Std Dev 0
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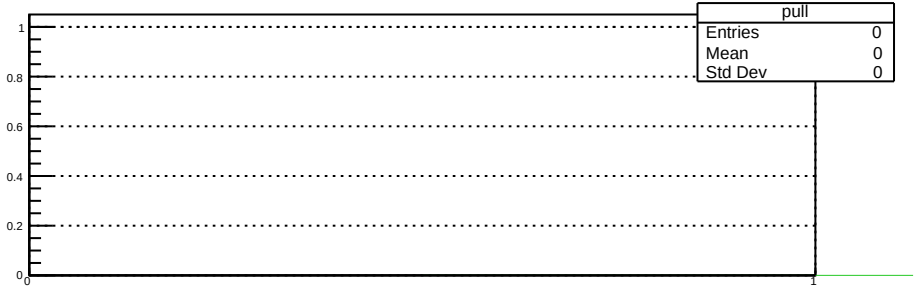

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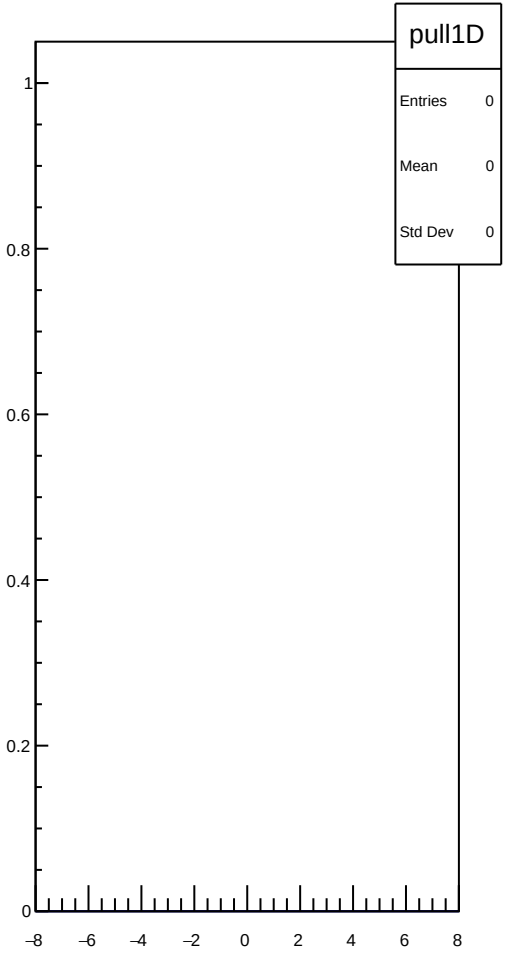

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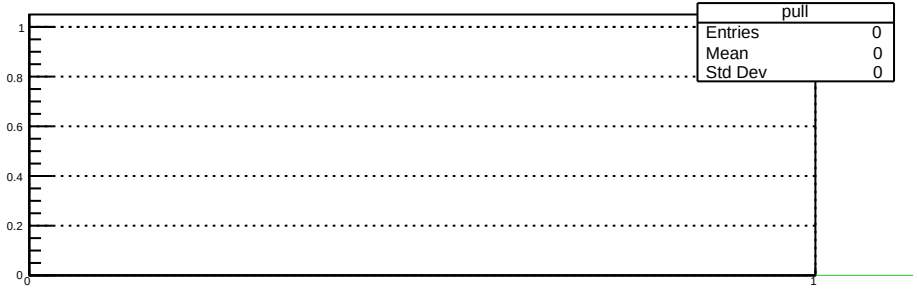

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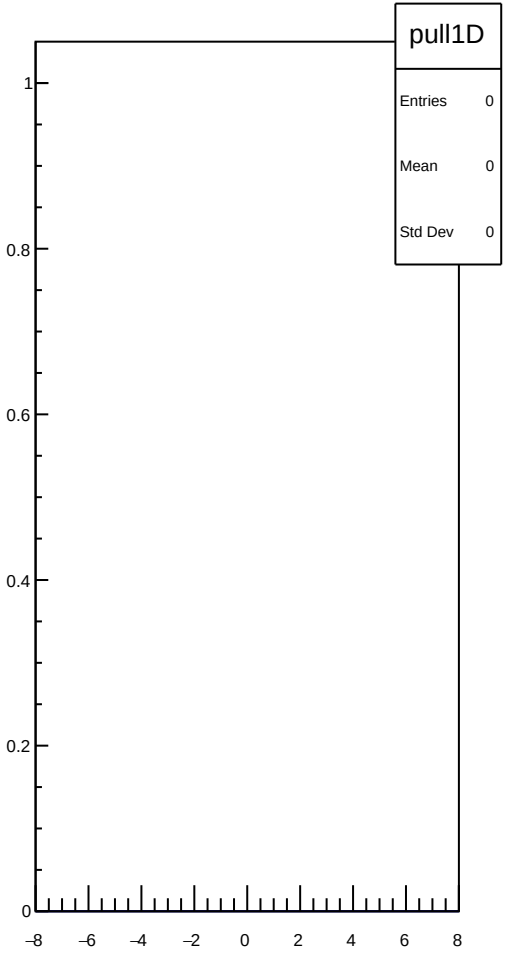

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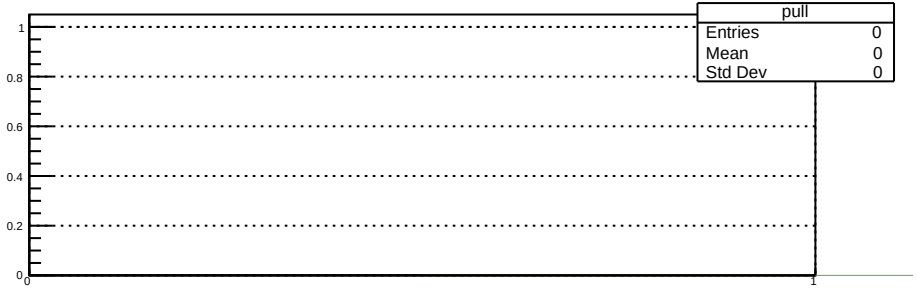

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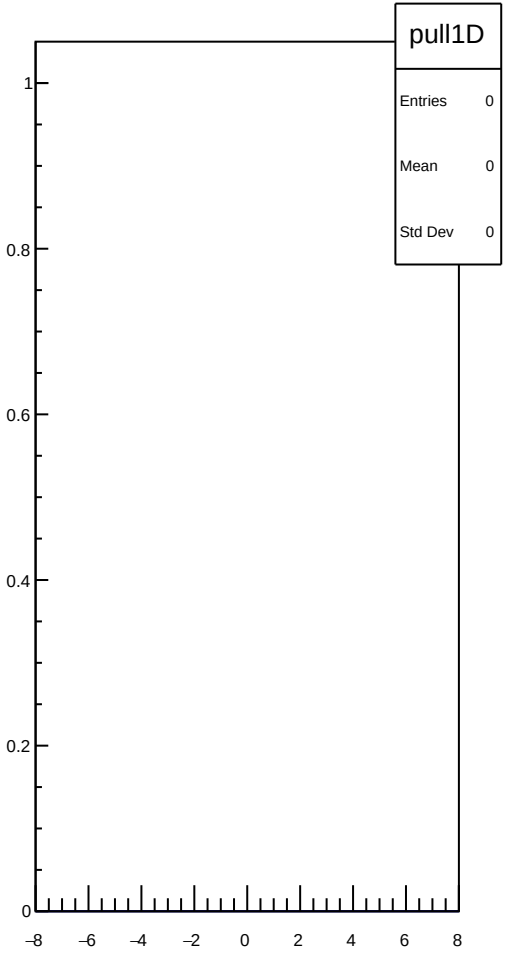

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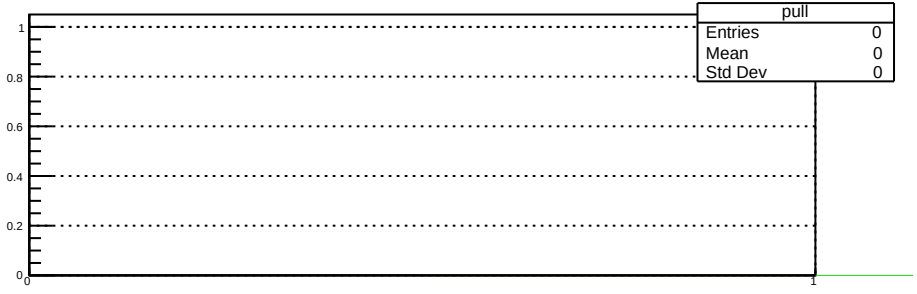

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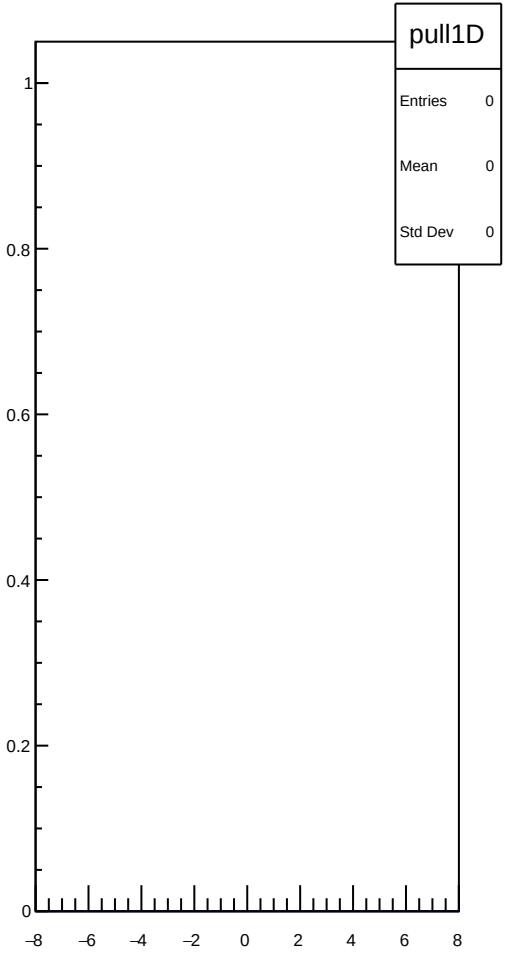

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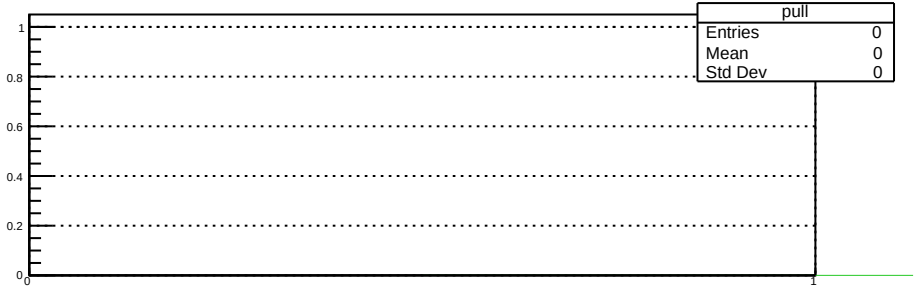

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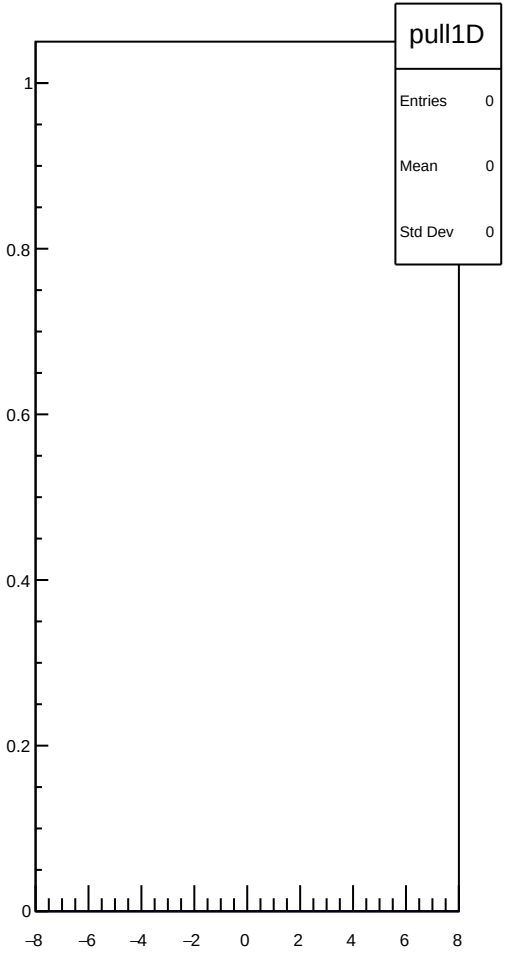

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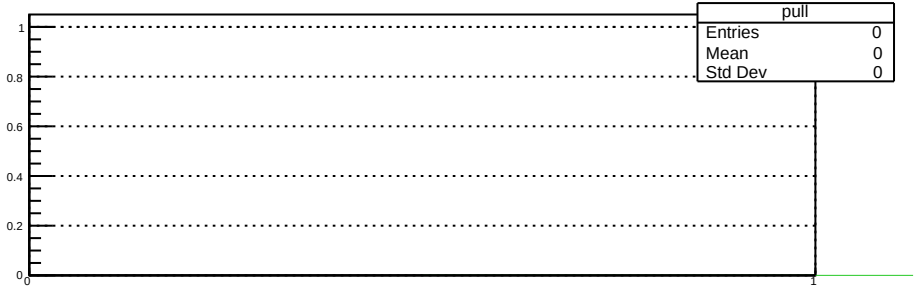

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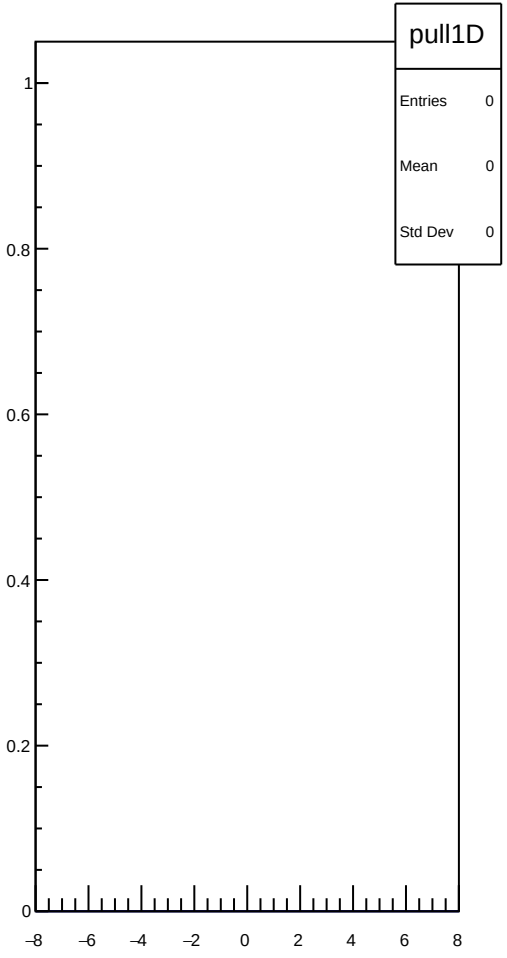

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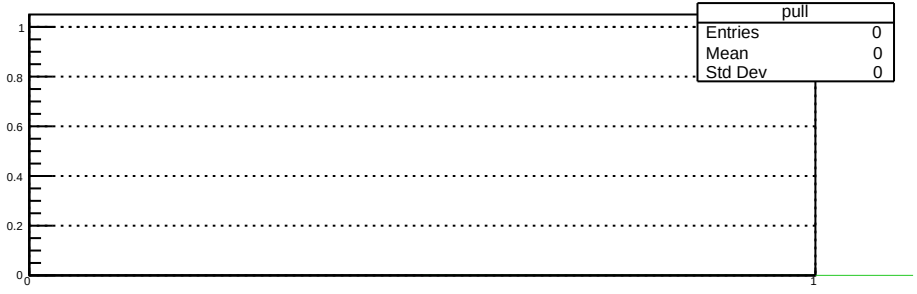

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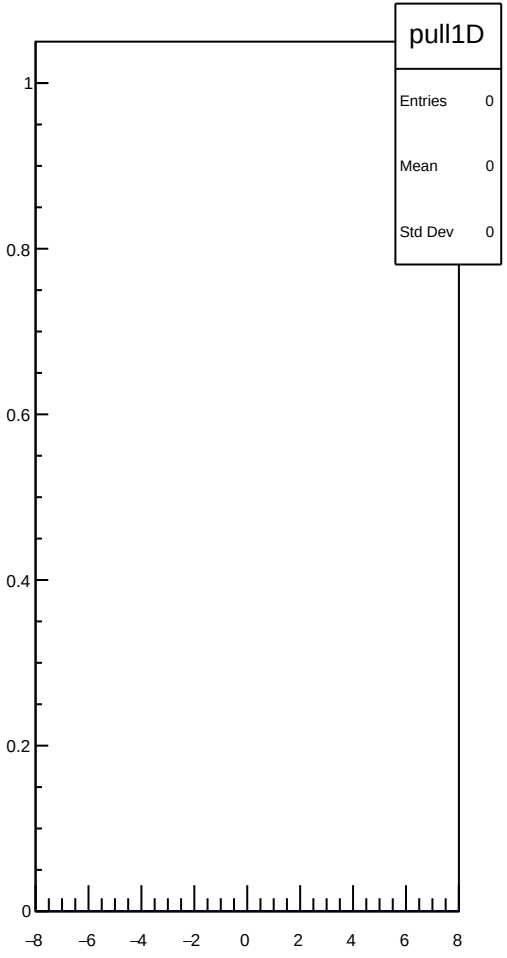

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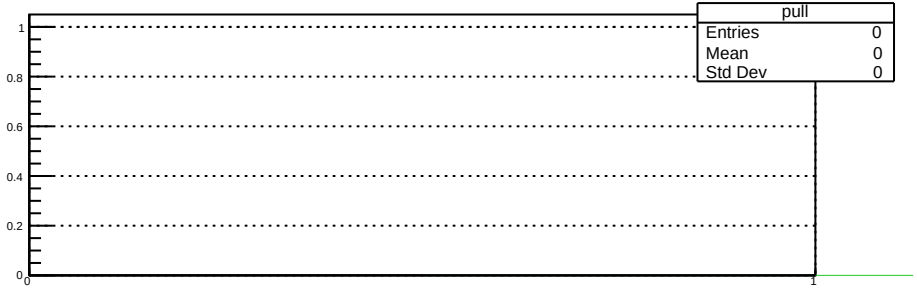

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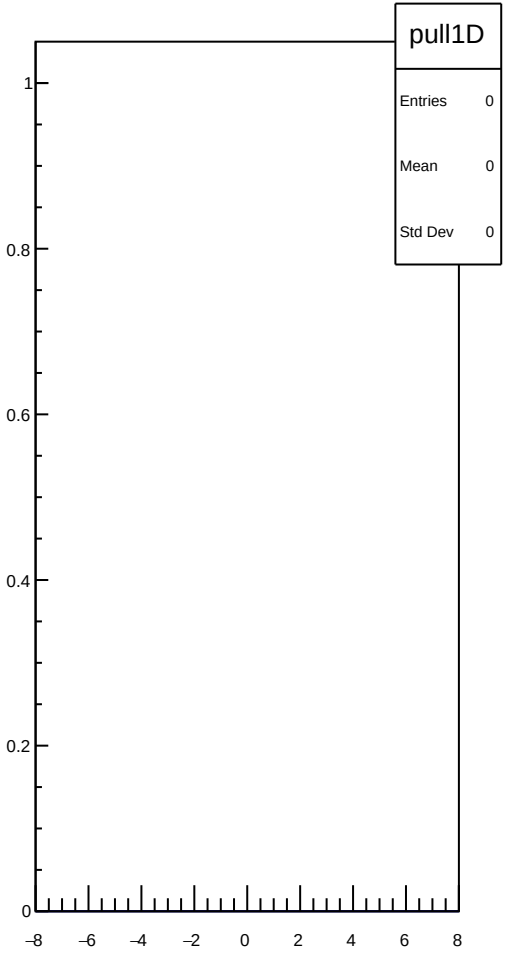

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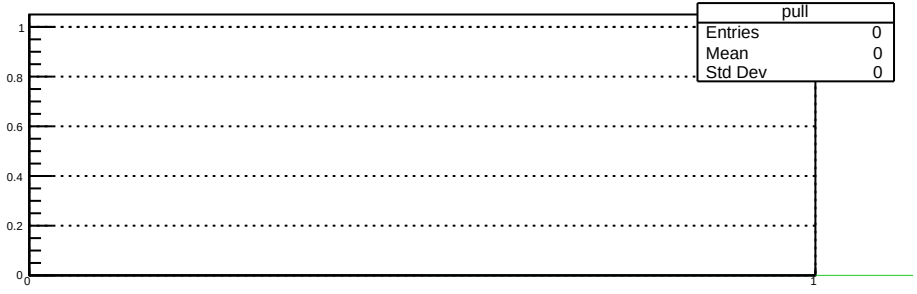

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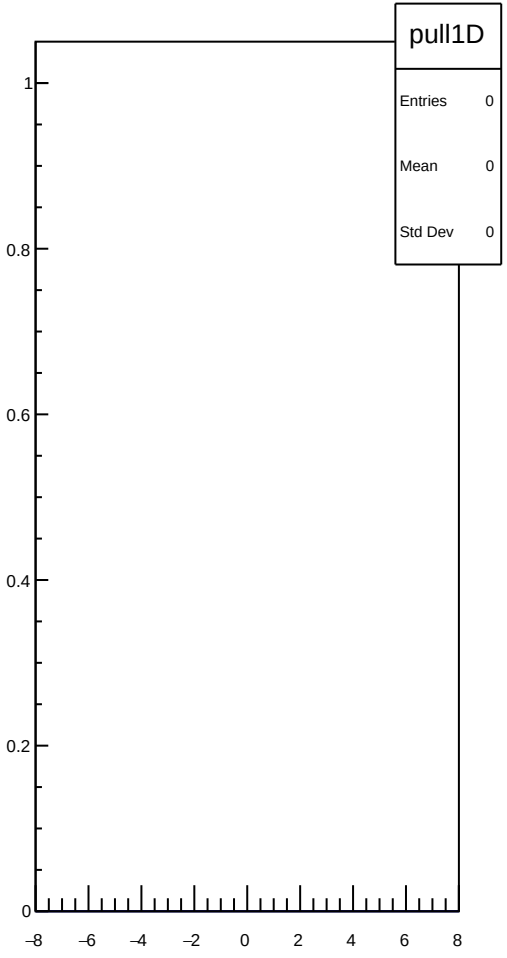

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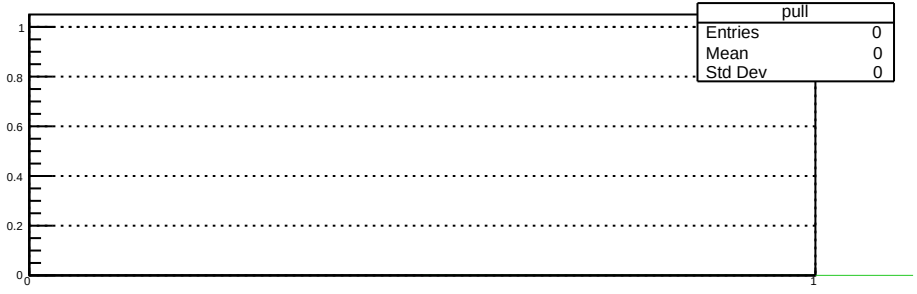

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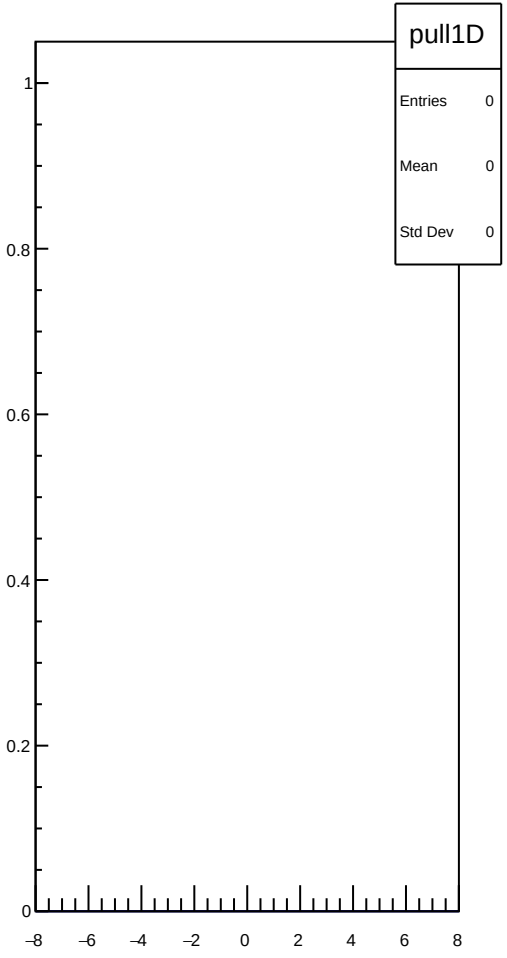

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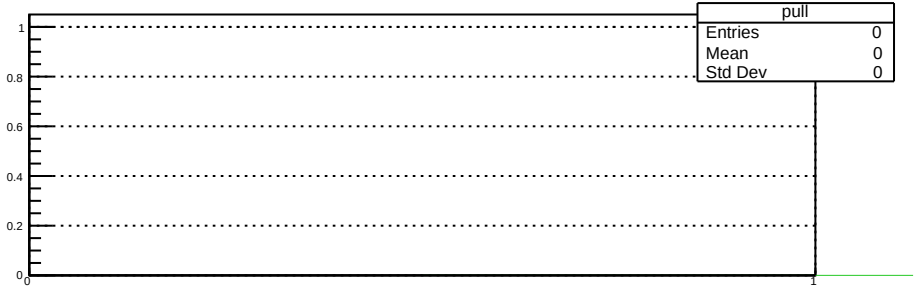

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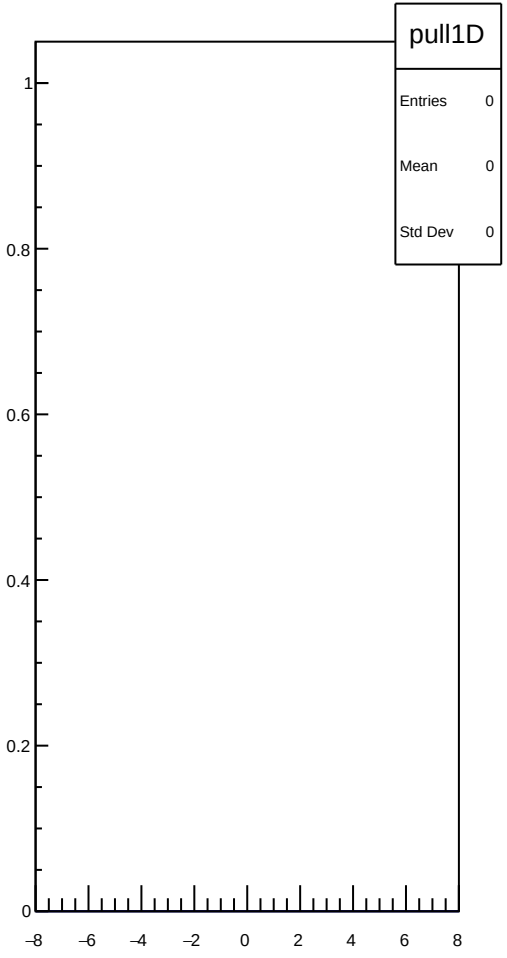

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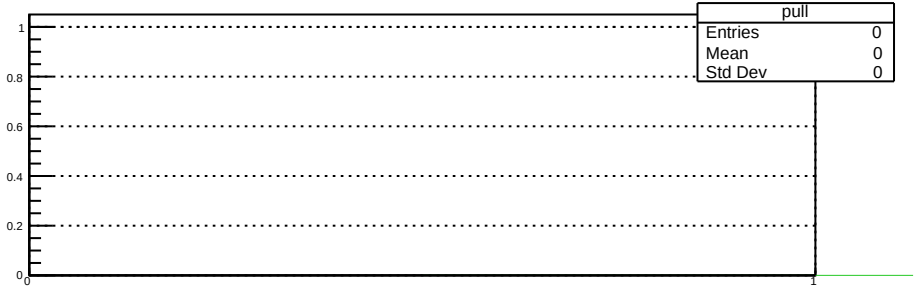

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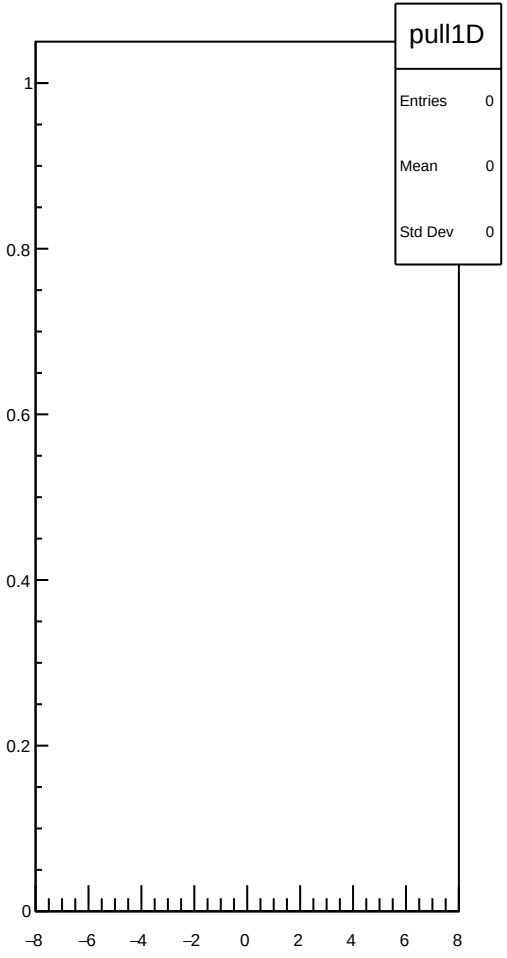

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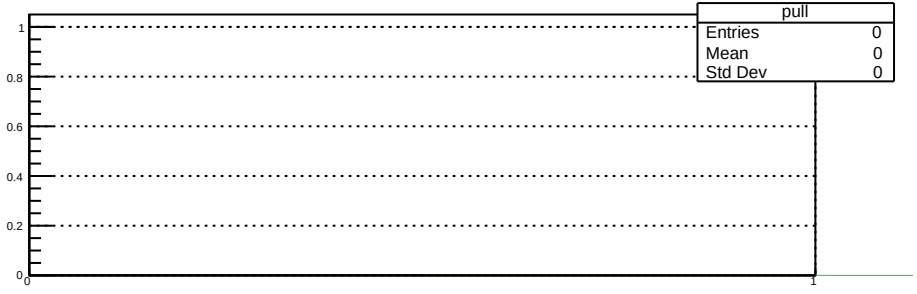

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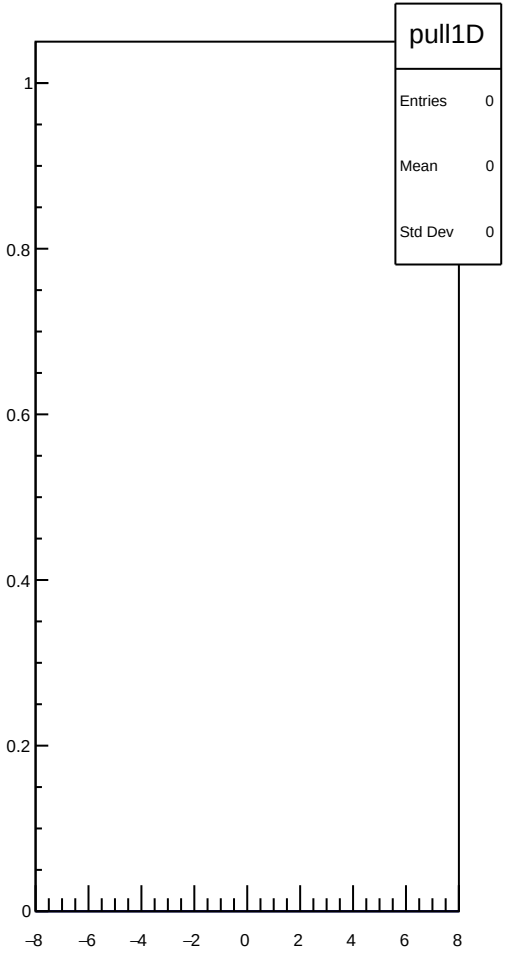

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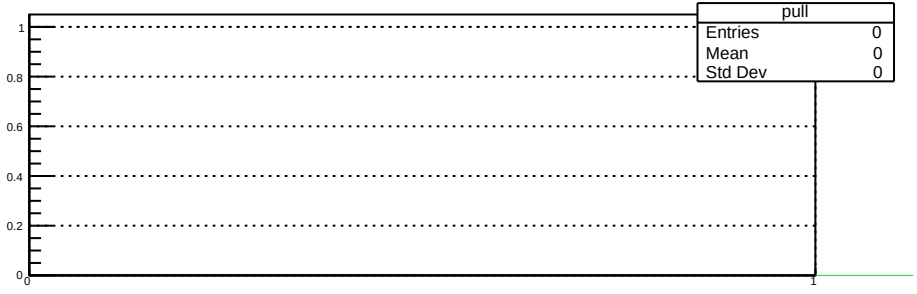

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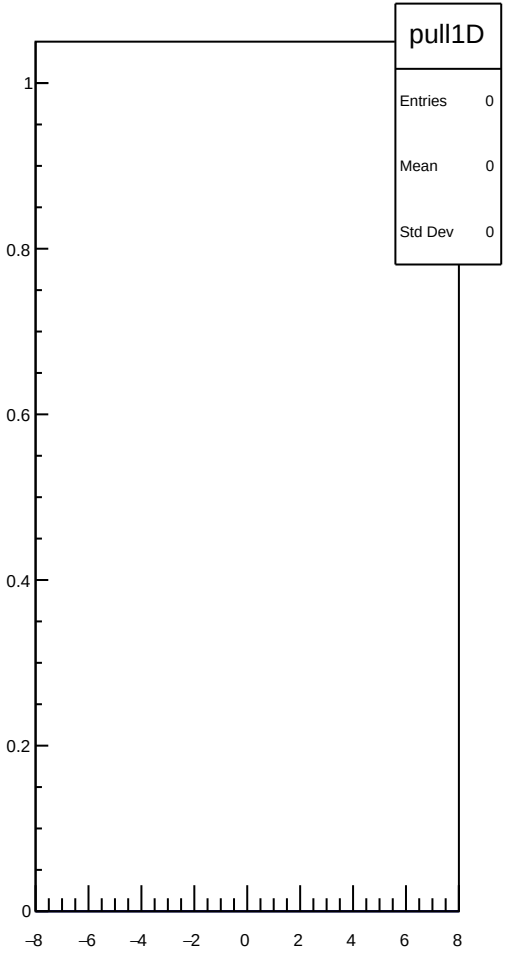

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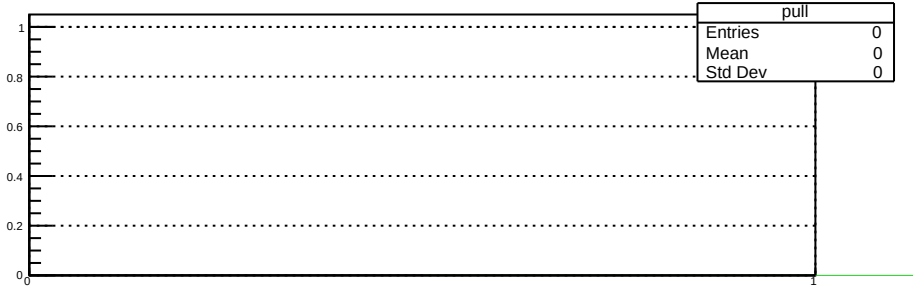

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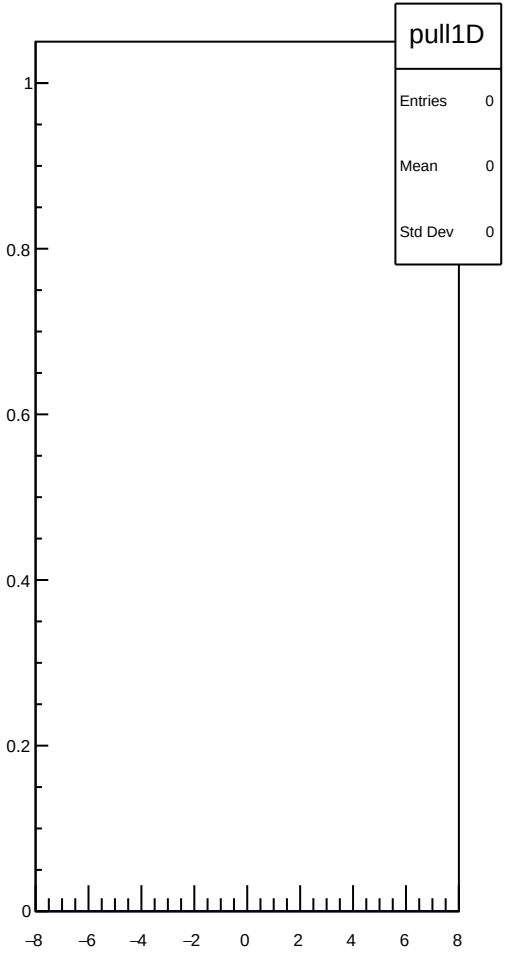

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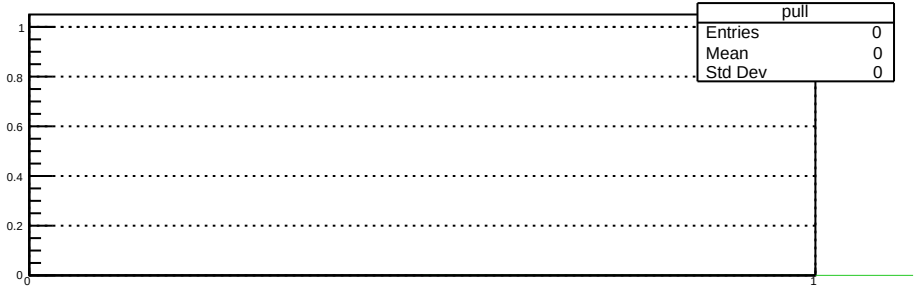

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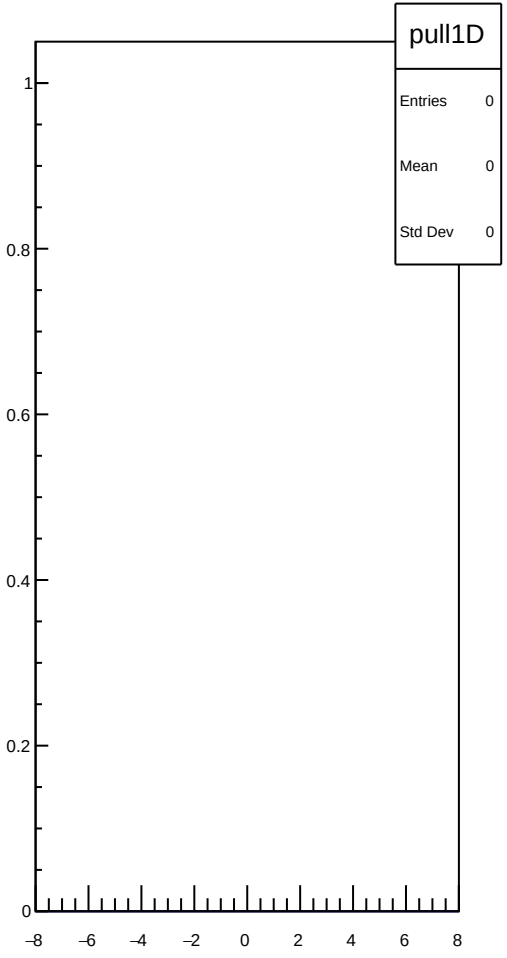

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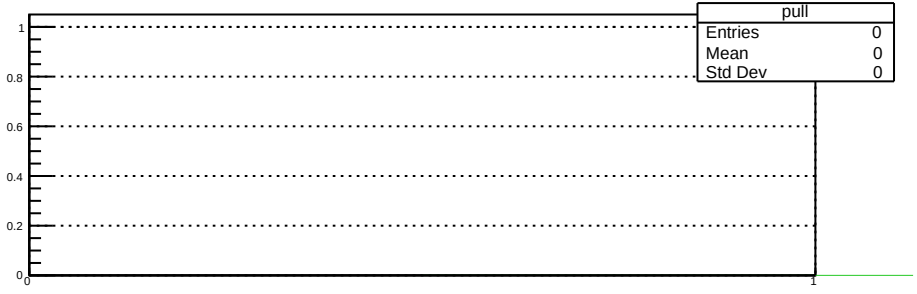

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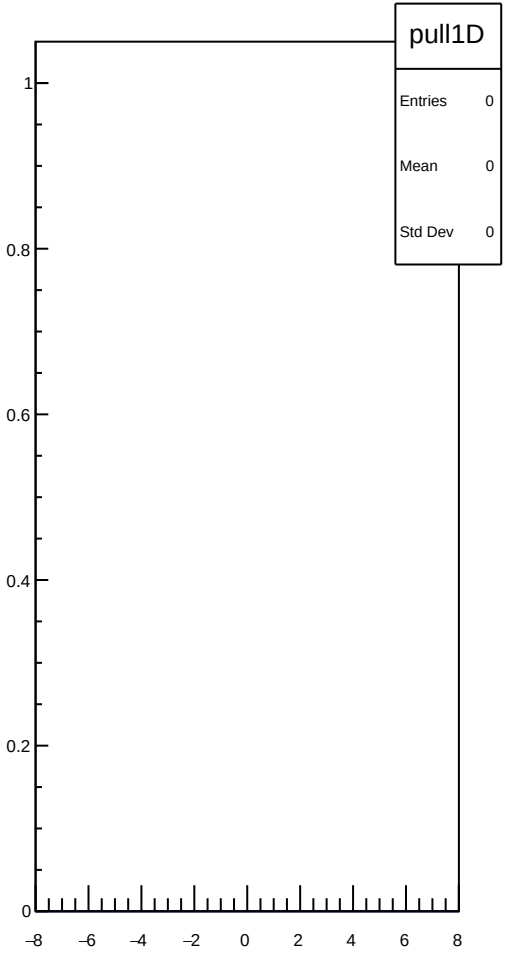

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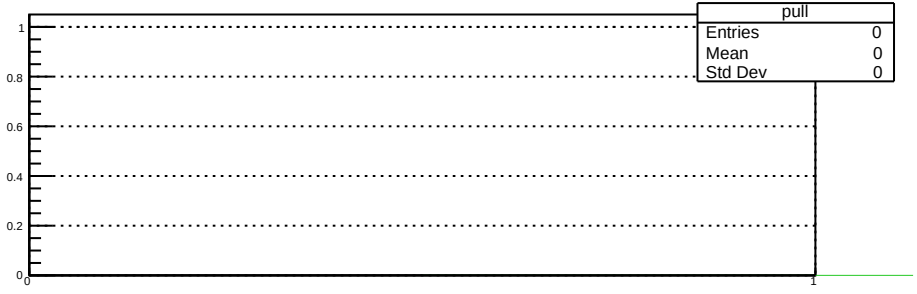

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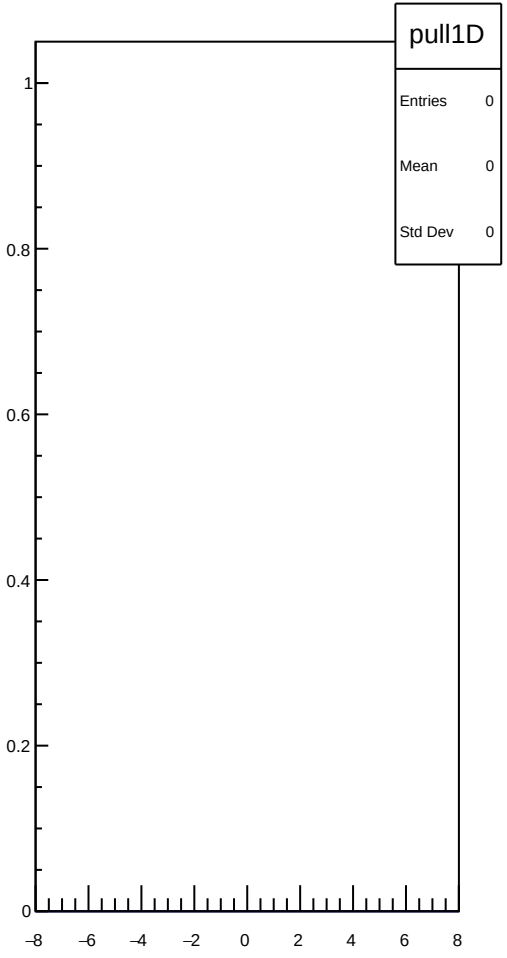

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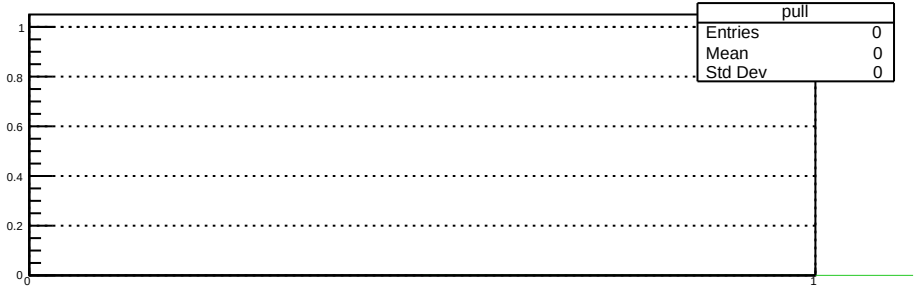

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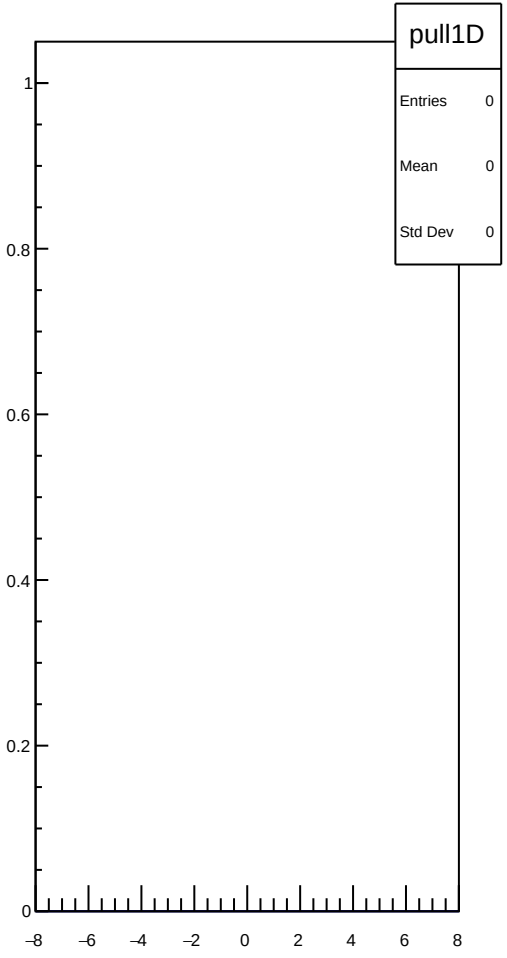

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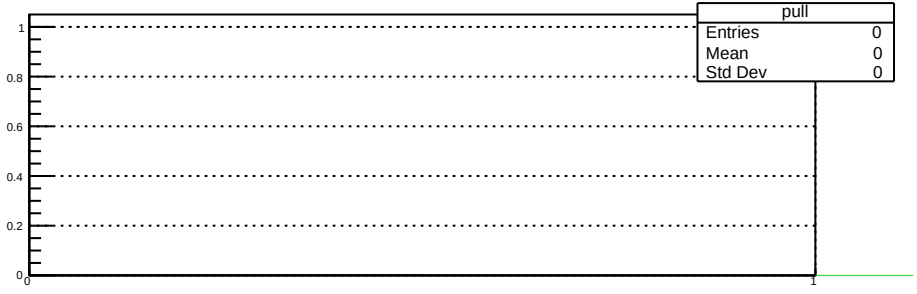

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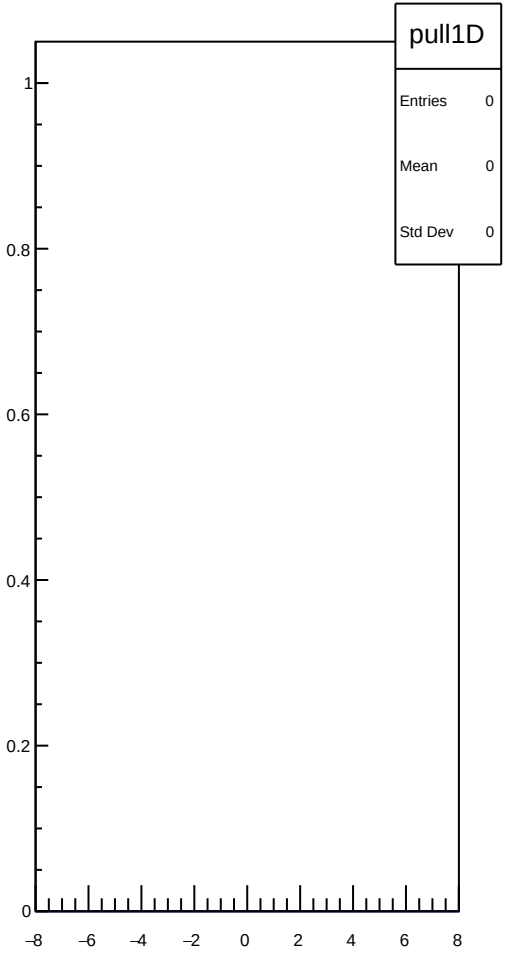

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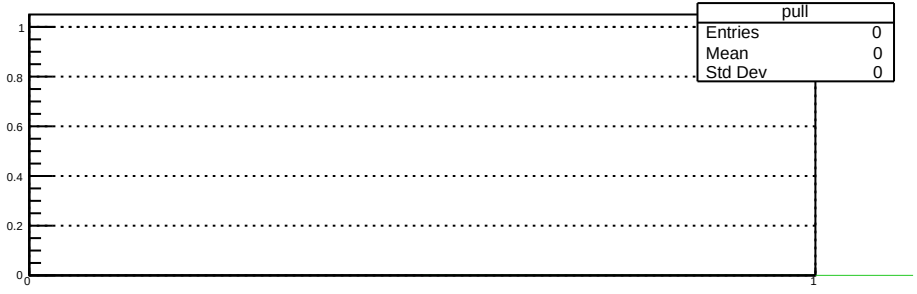

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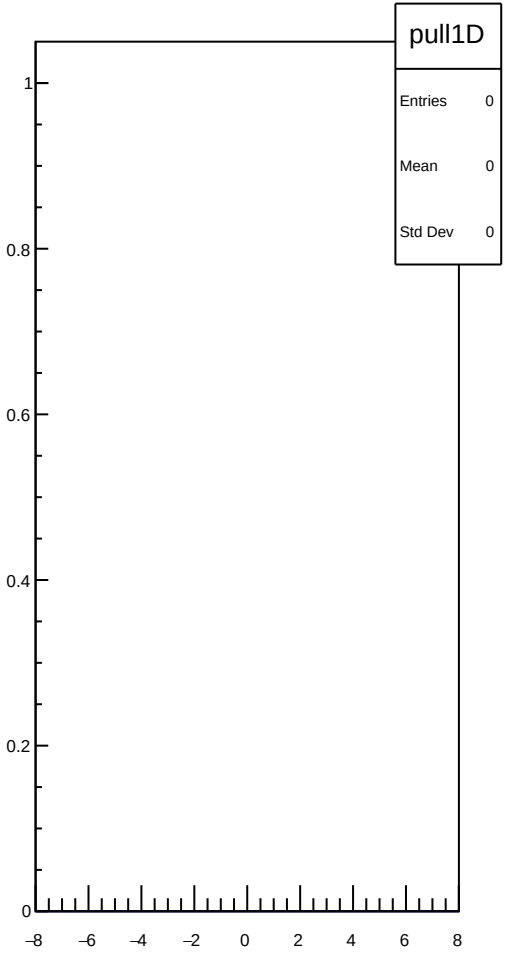

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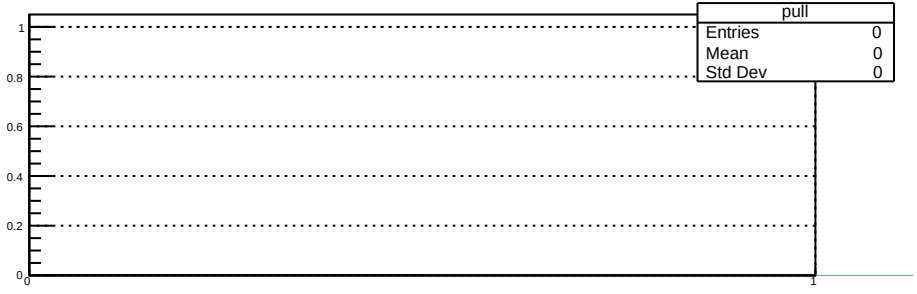

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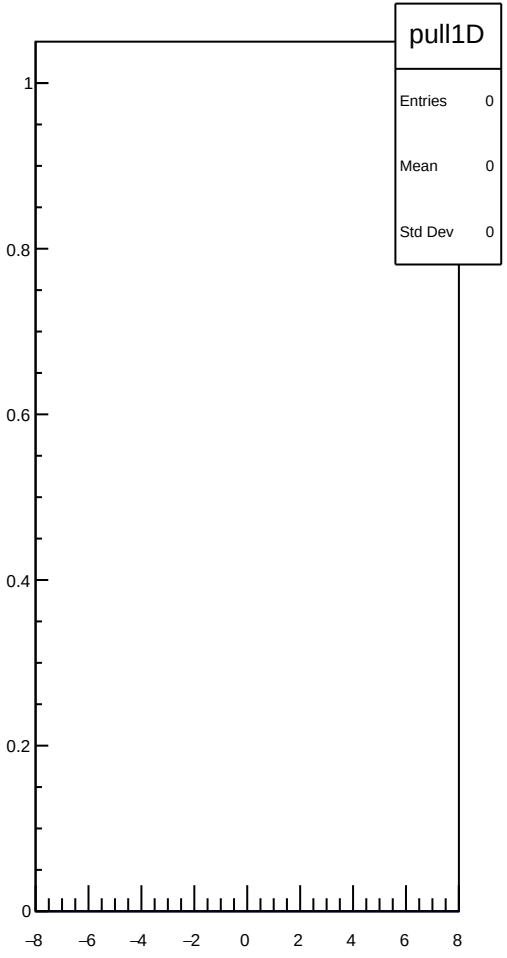

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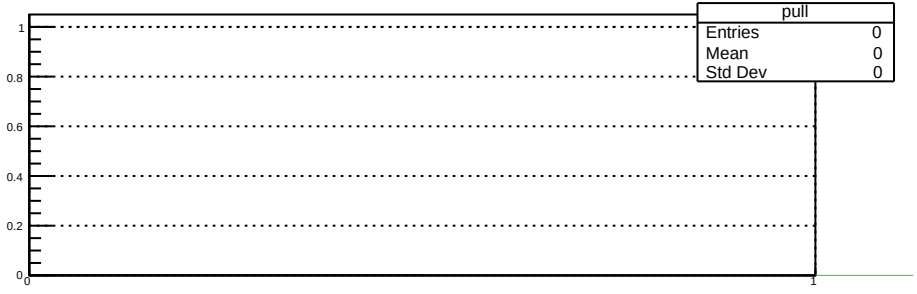

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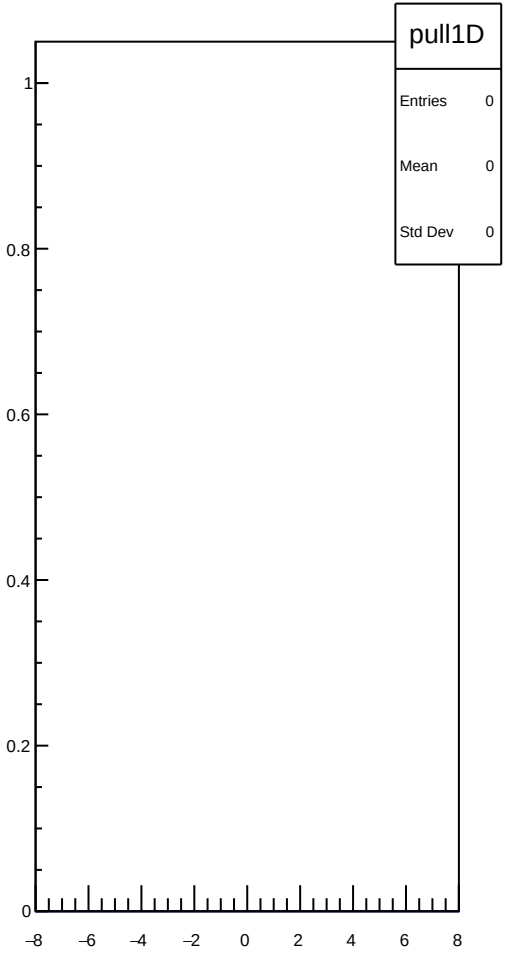

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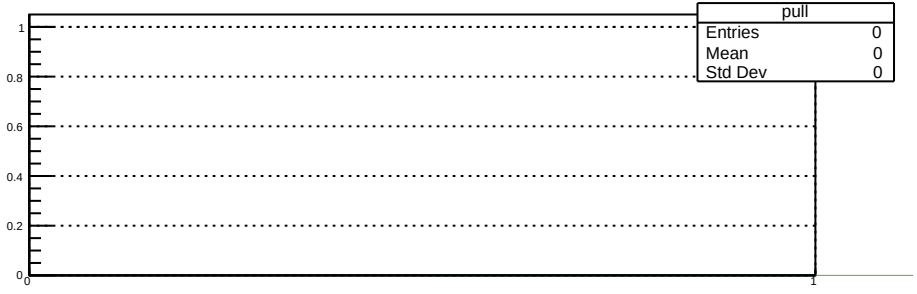

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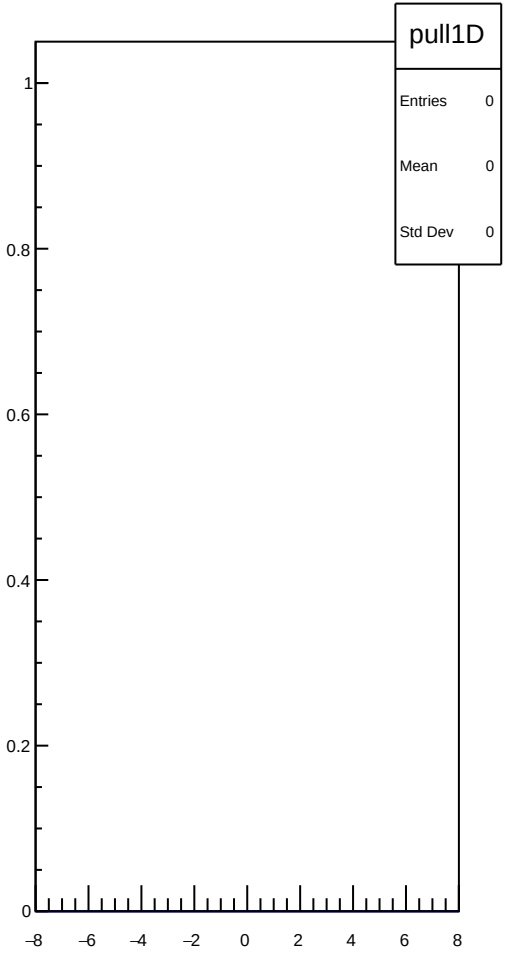

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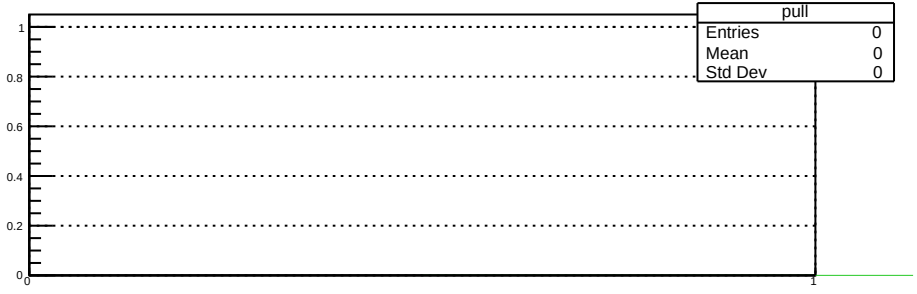

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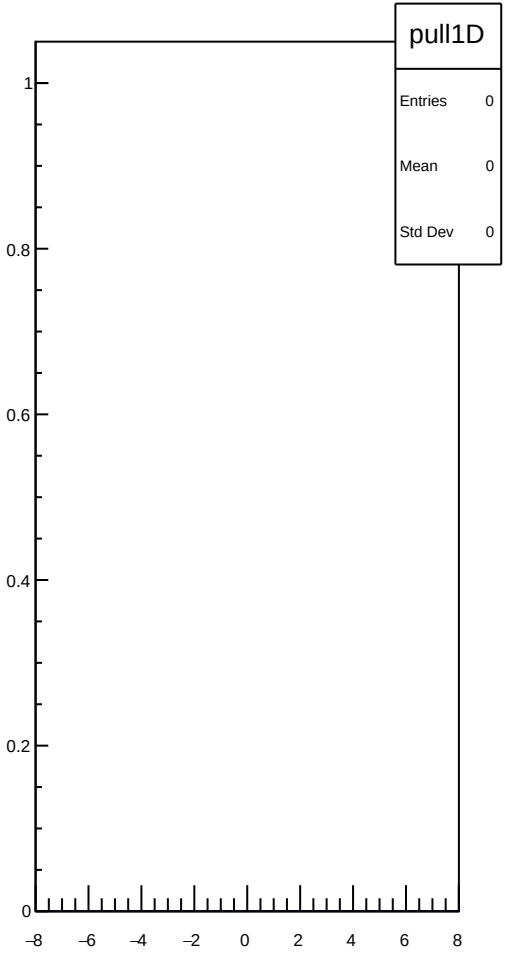

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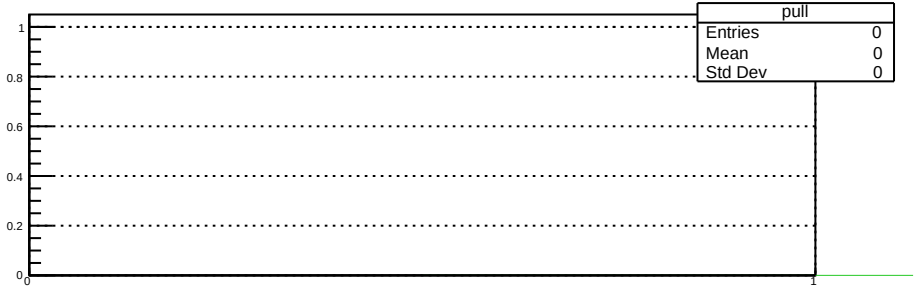

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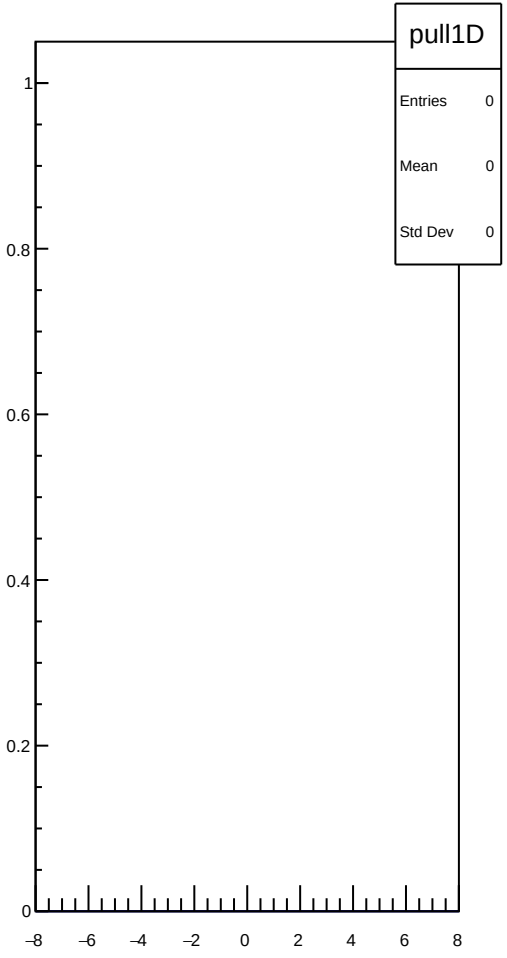

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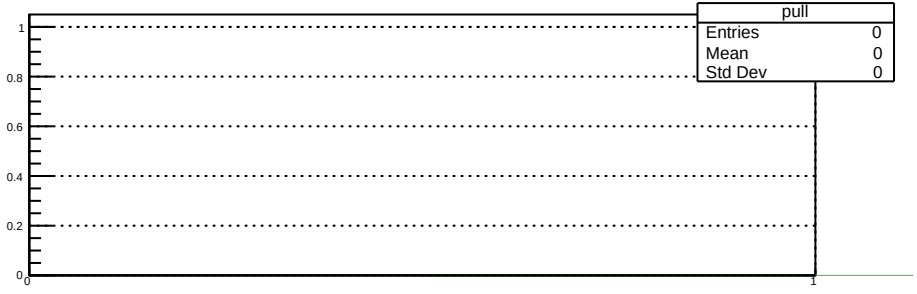

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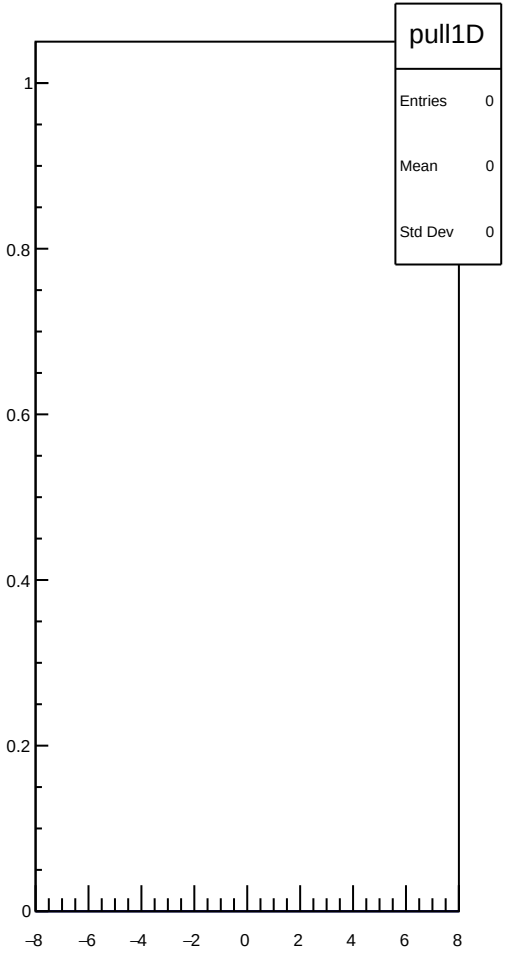

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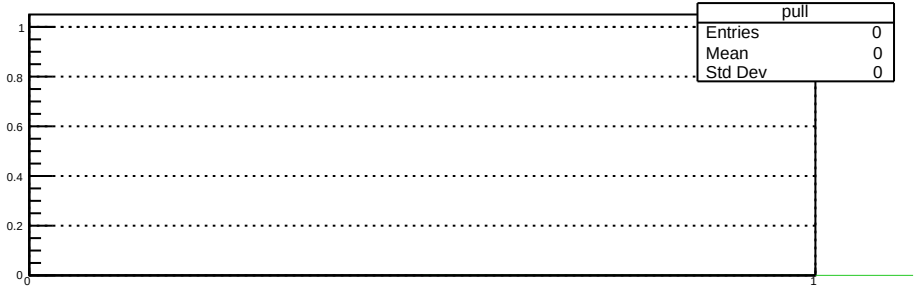

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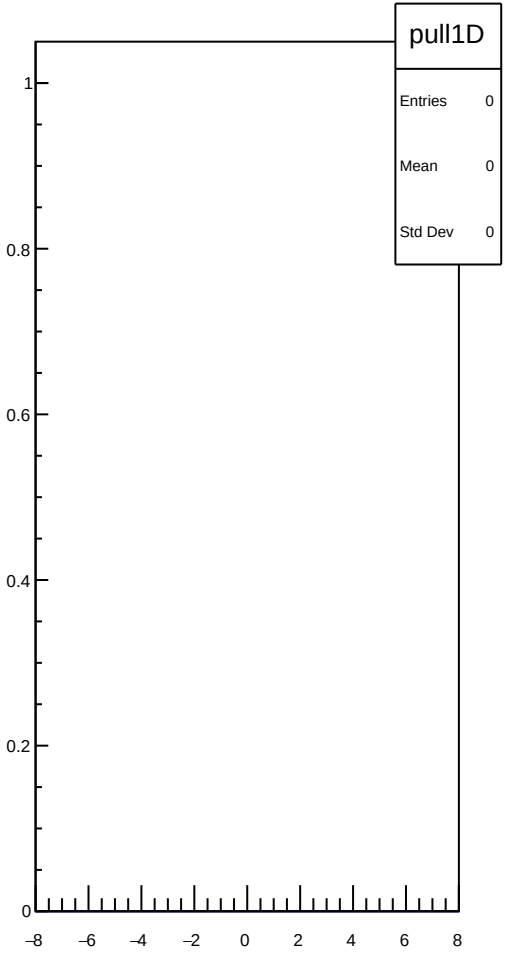

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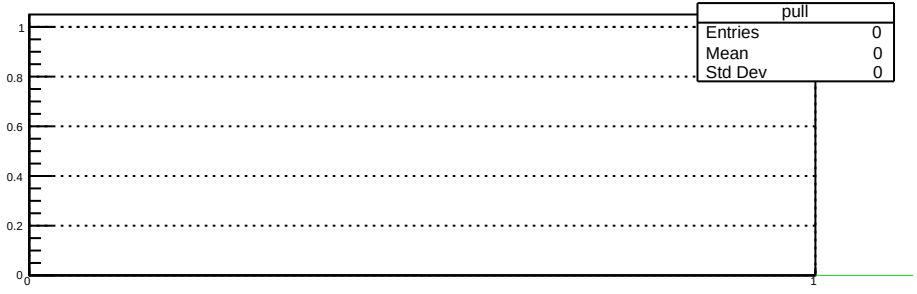

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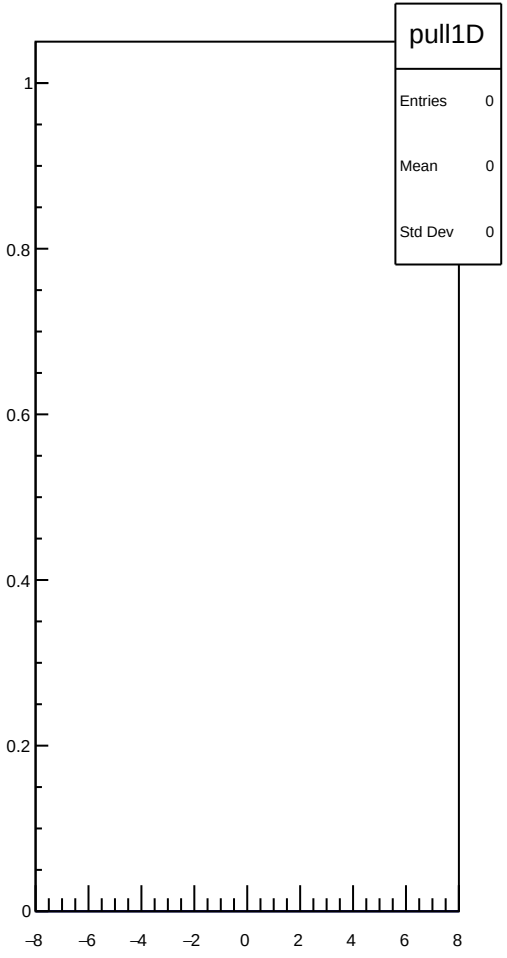

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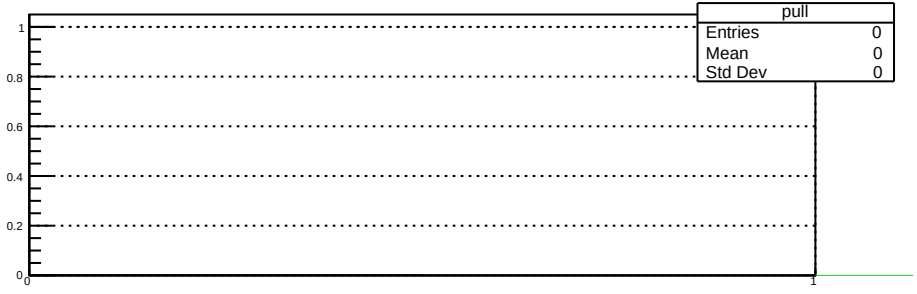

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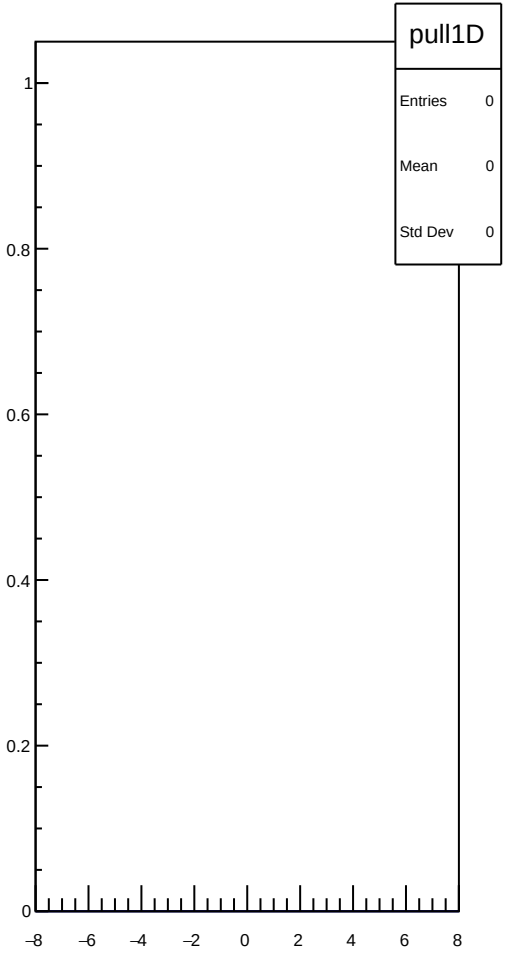

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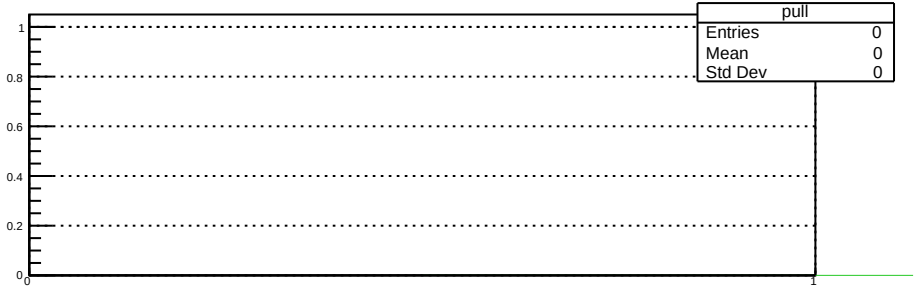

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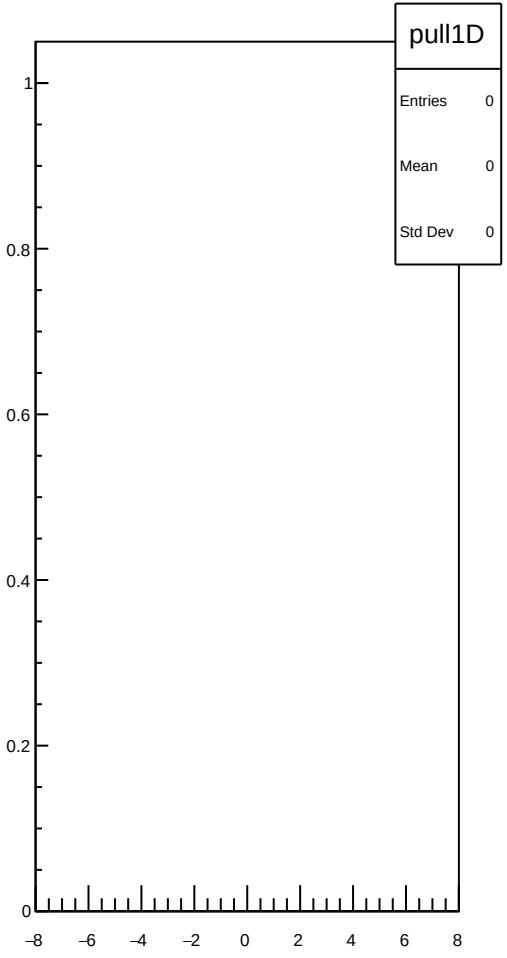

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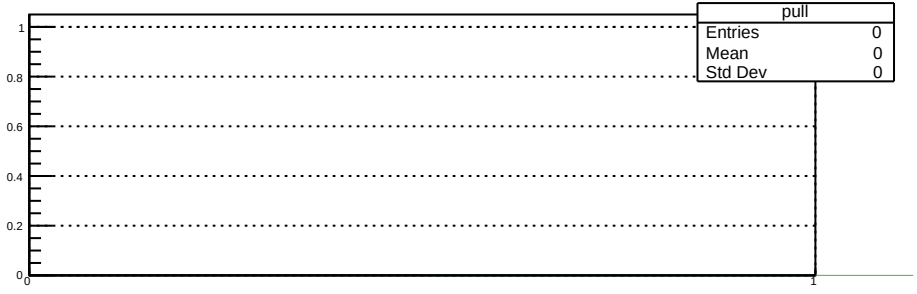

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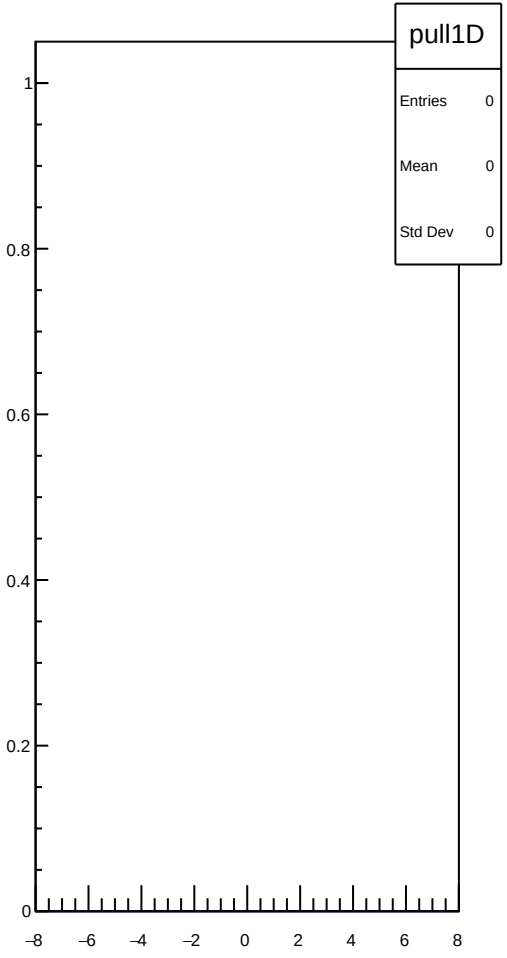

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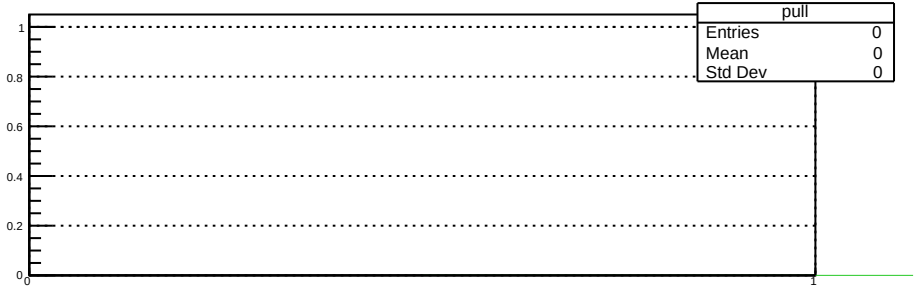

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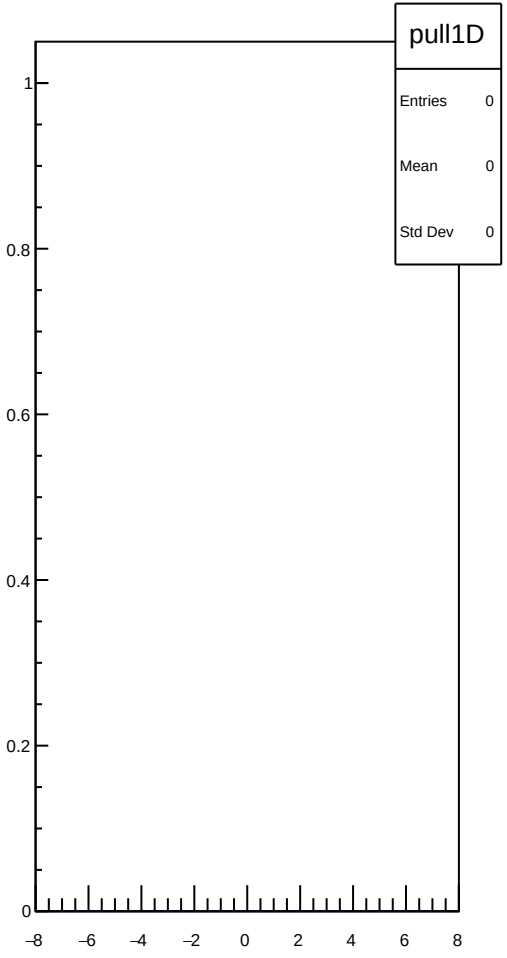

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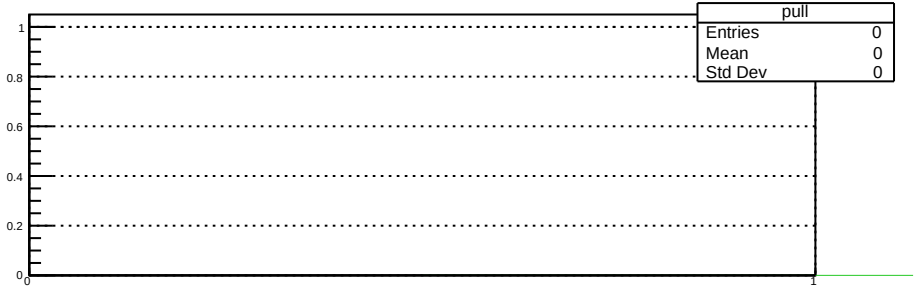

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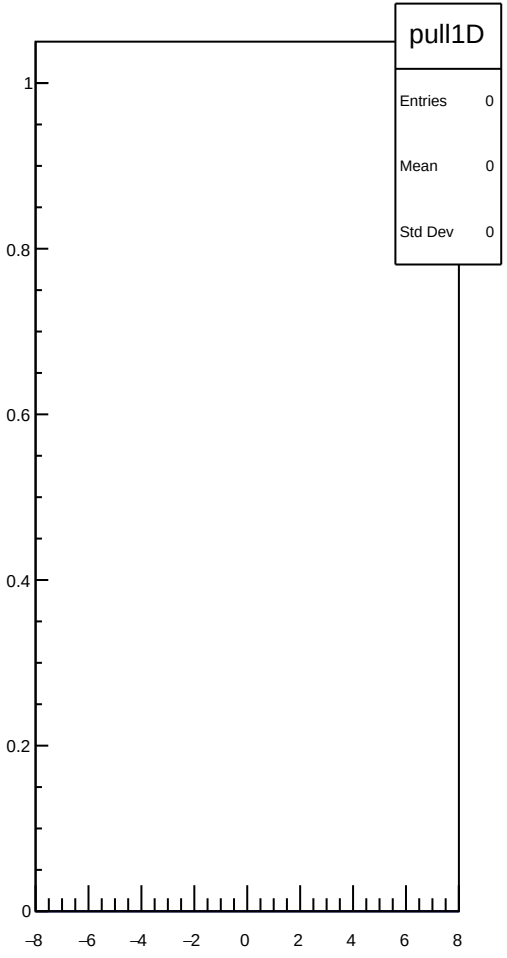

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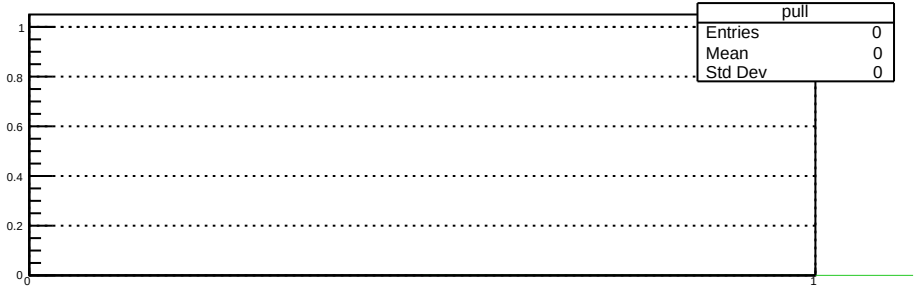

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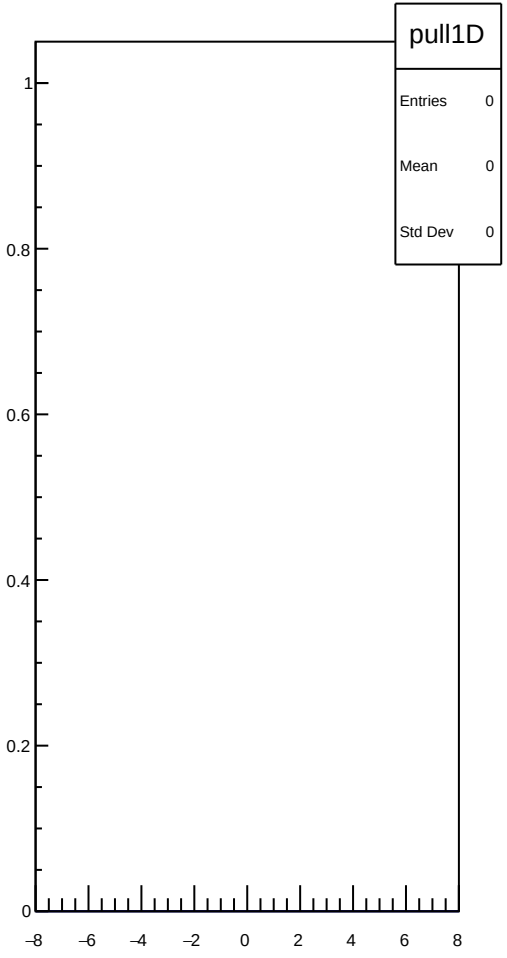

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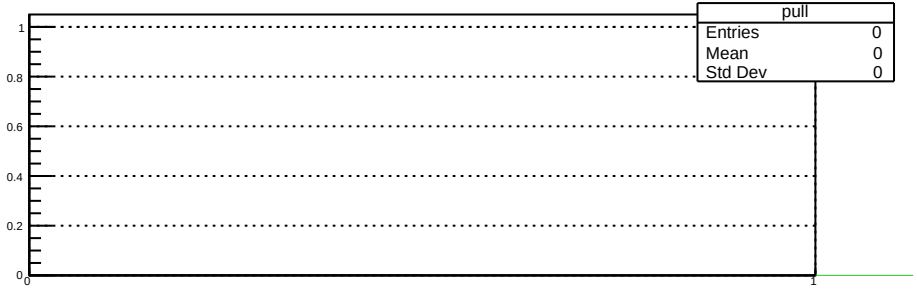

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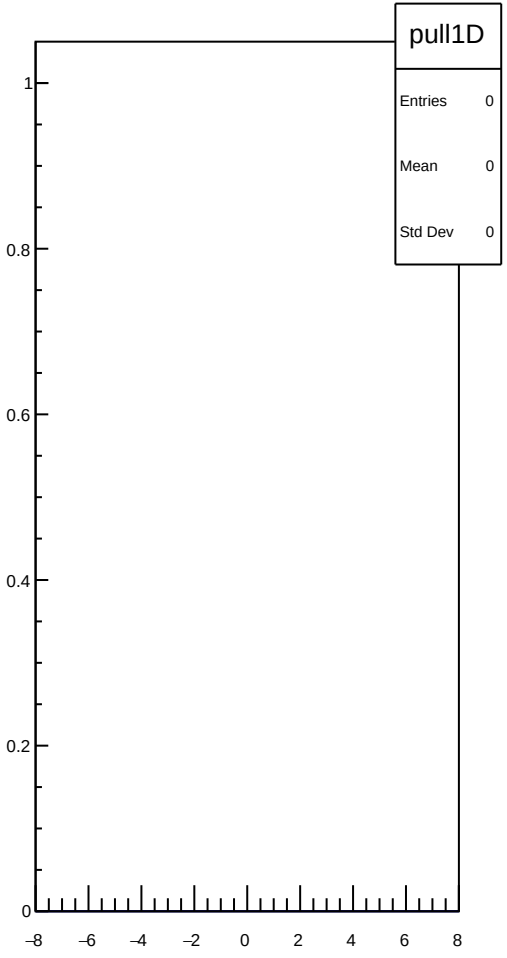

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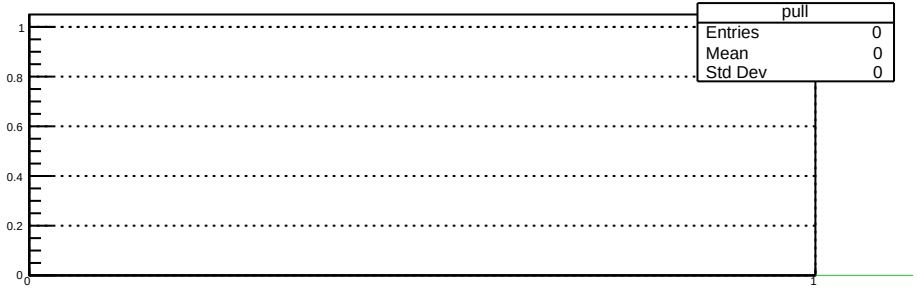

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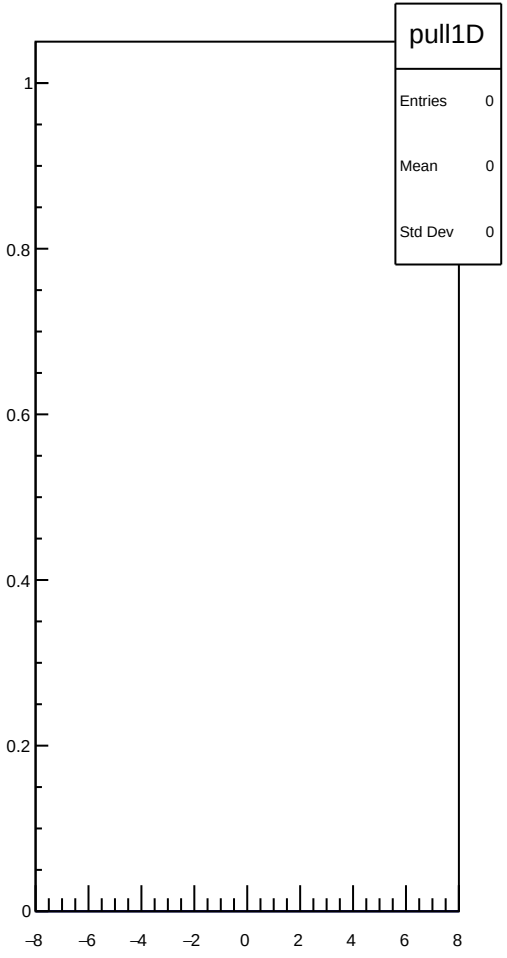

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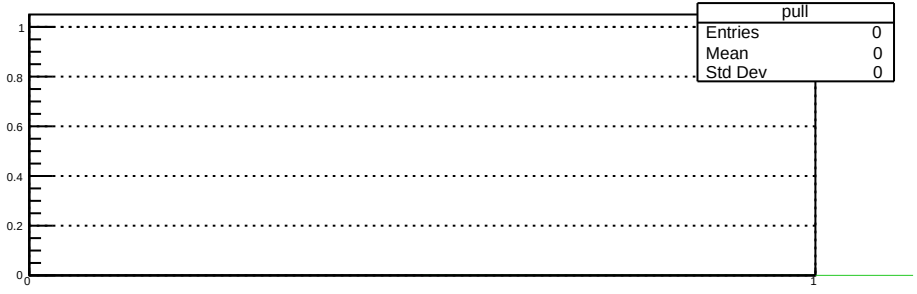

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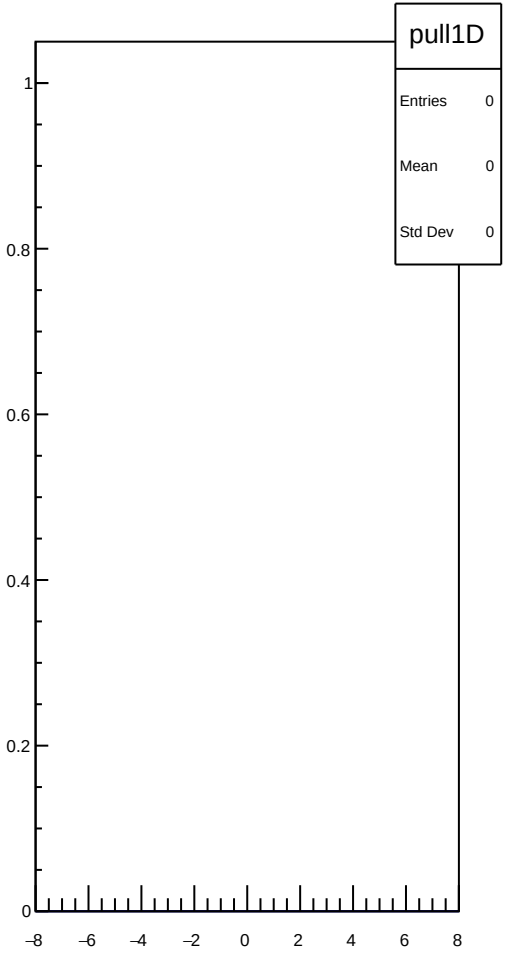

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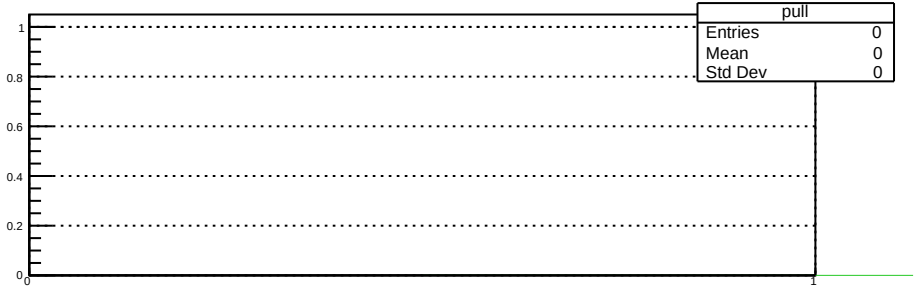

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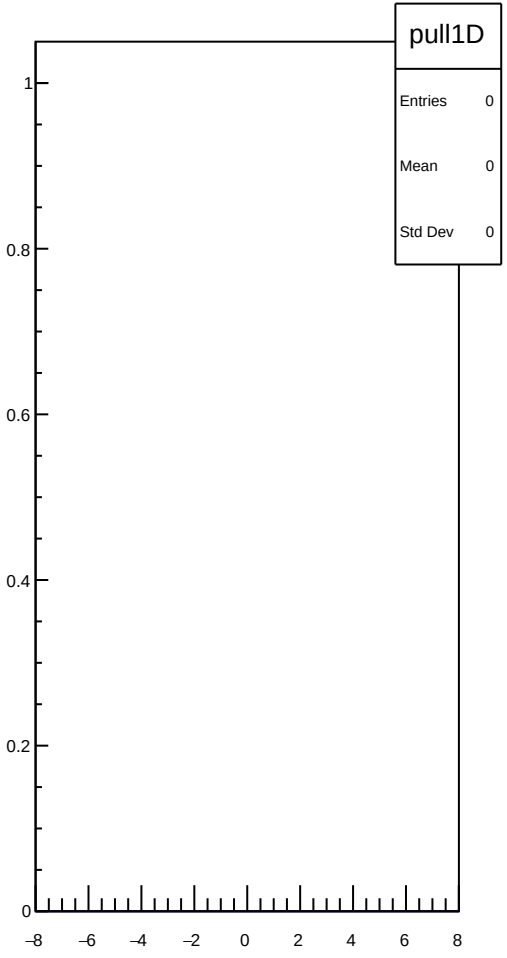

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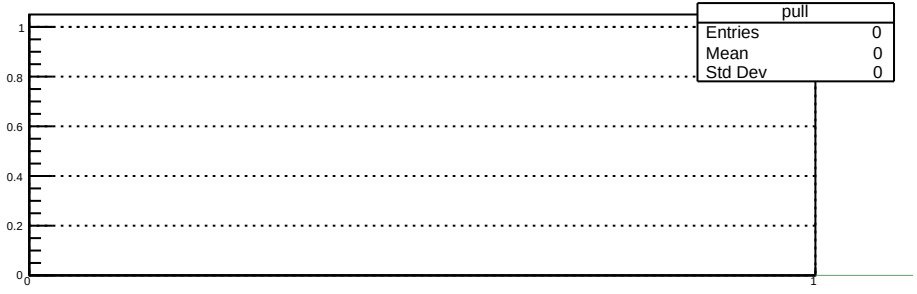

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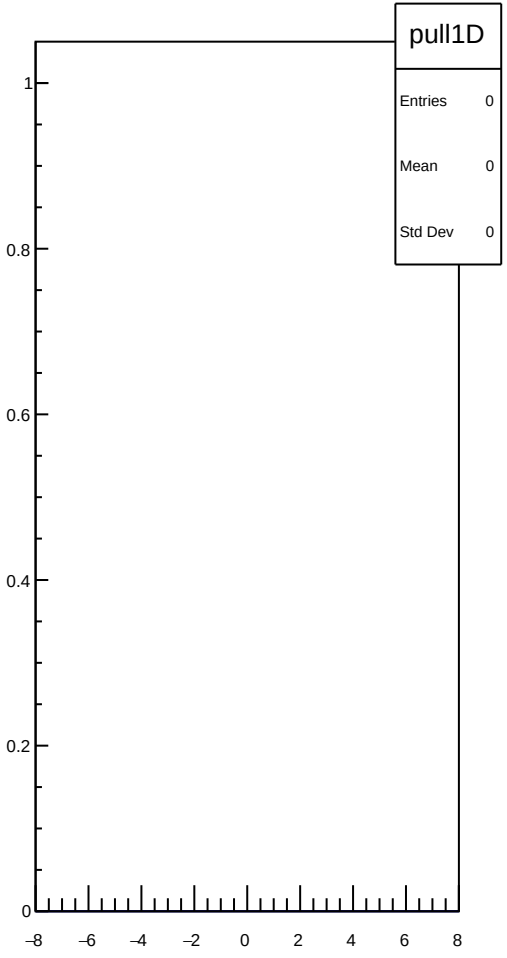

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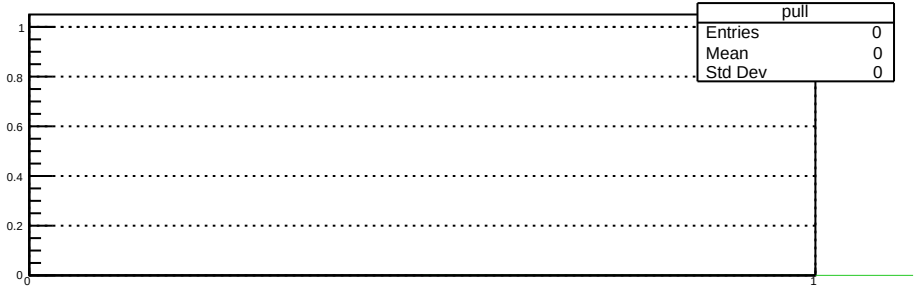

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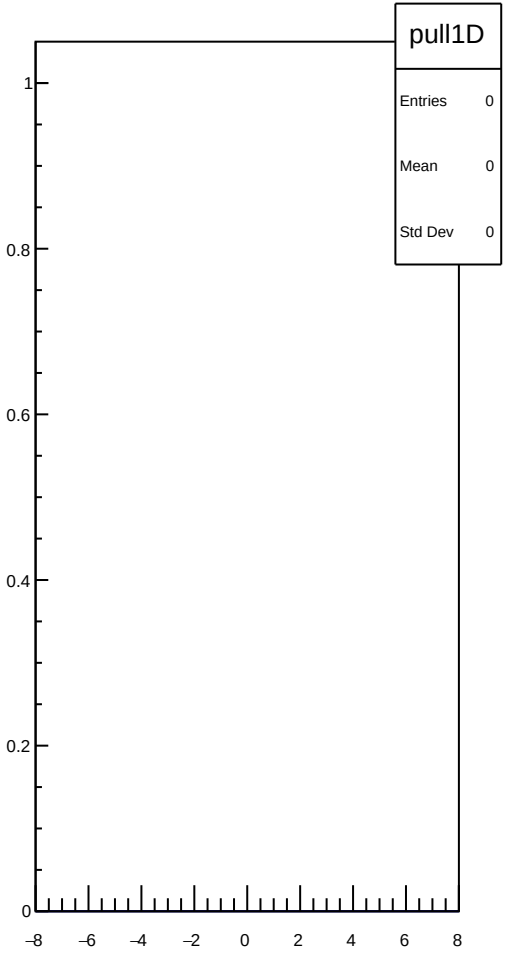

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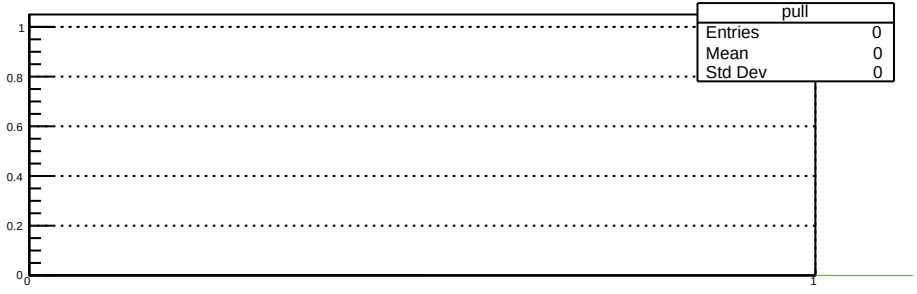

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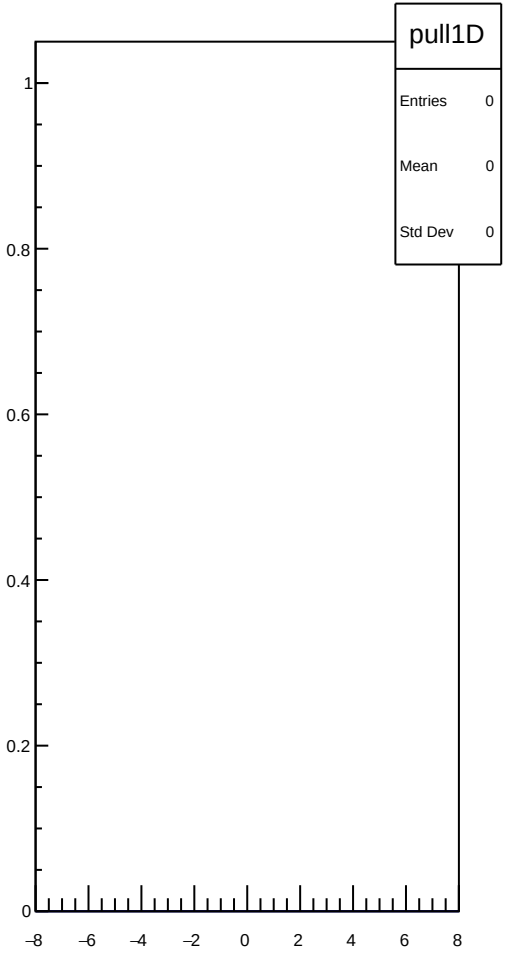

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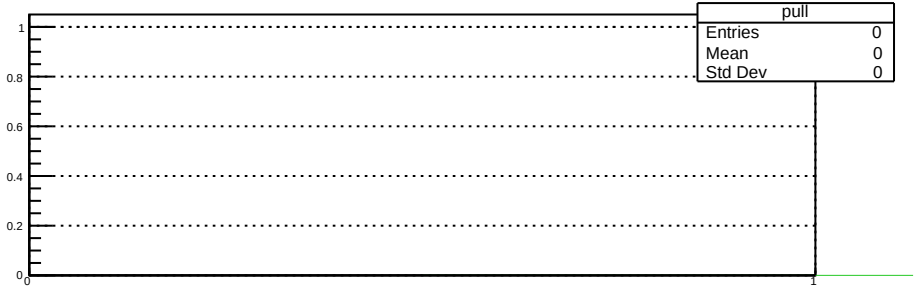

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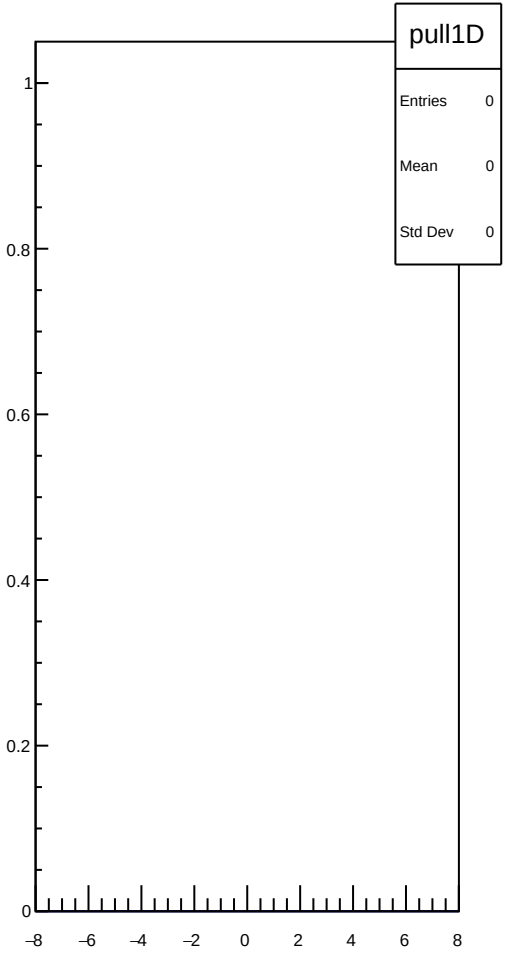

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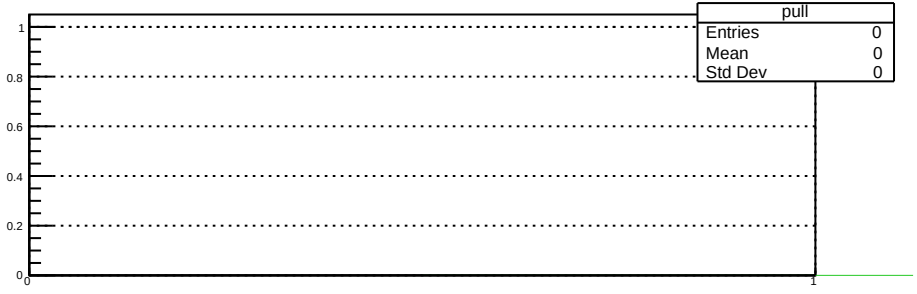

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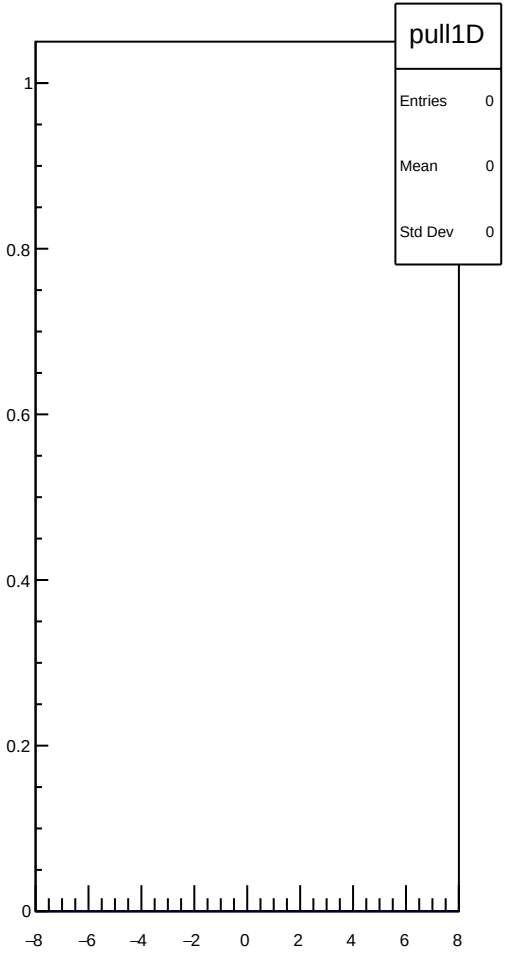

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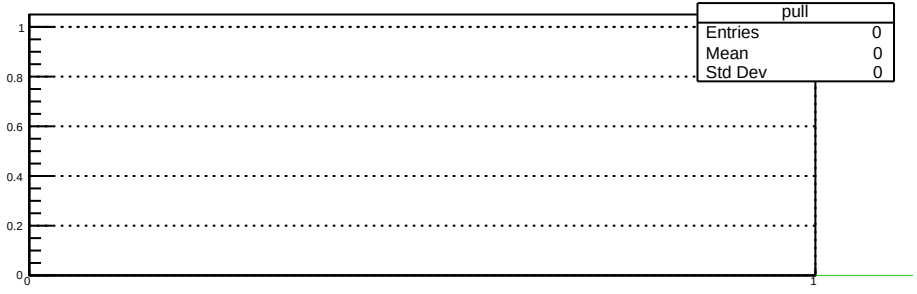

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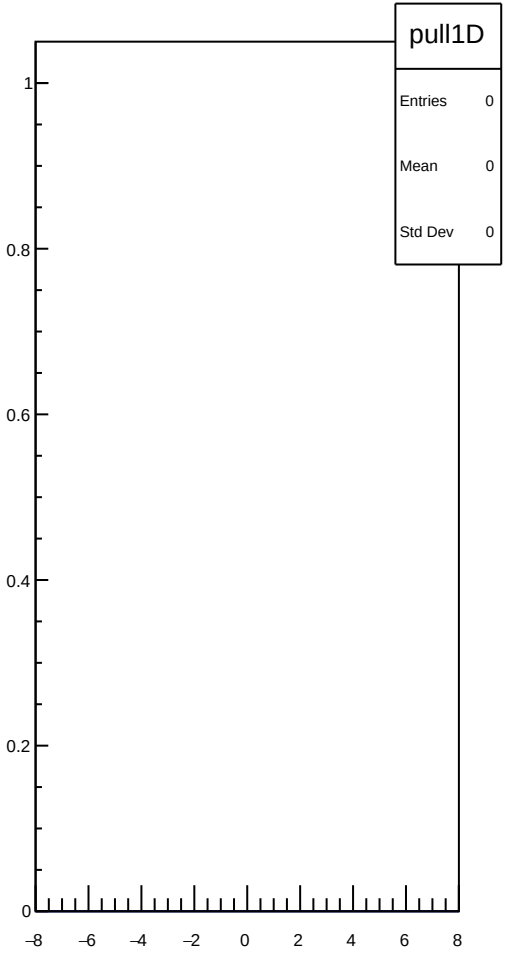

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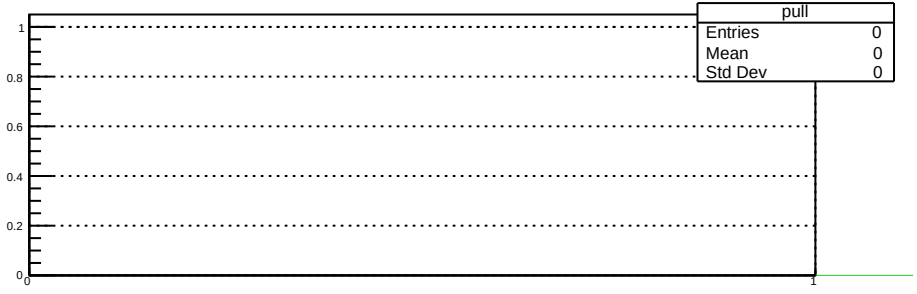

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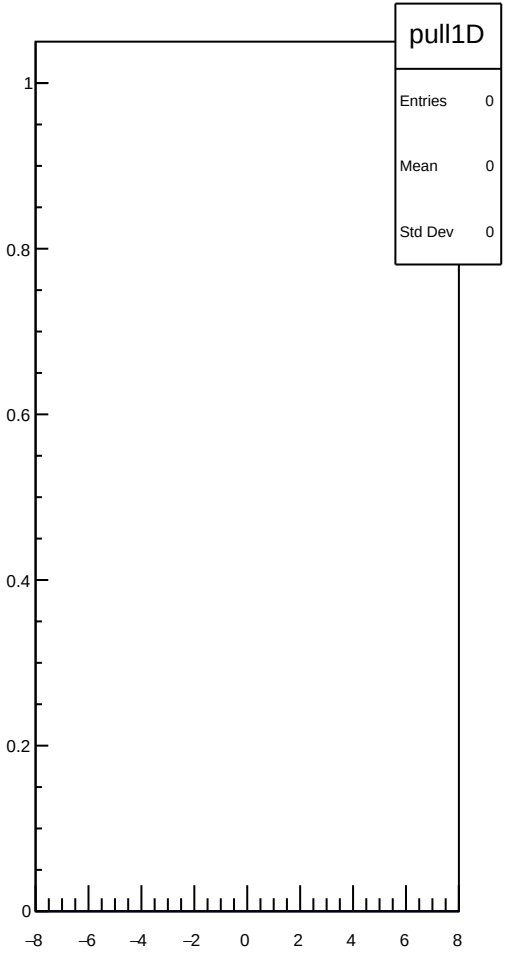

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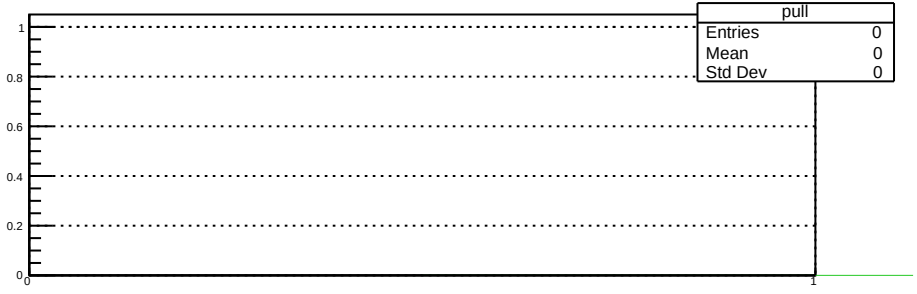

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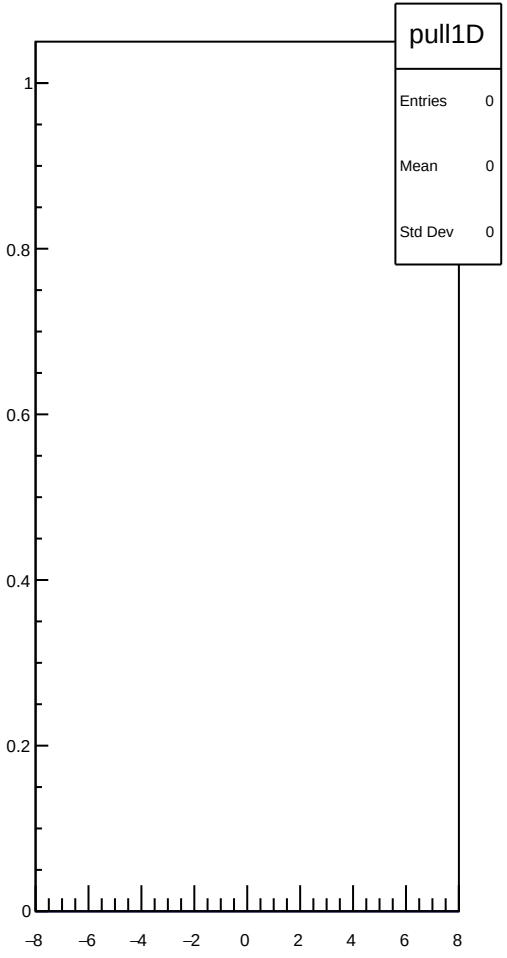

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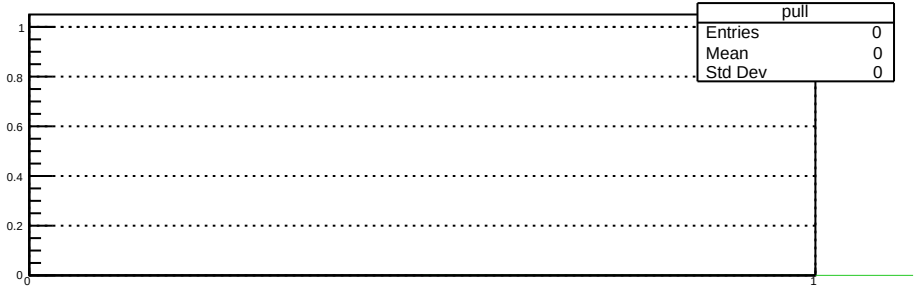

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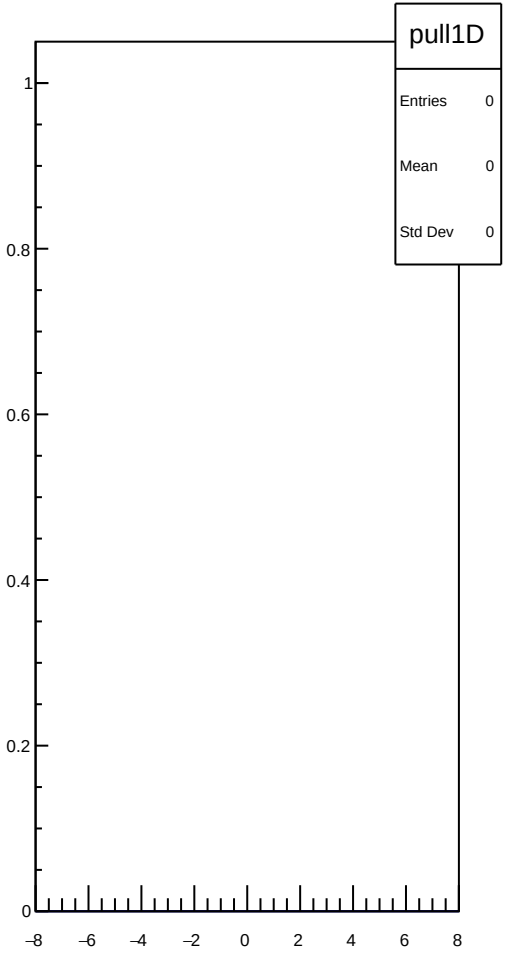

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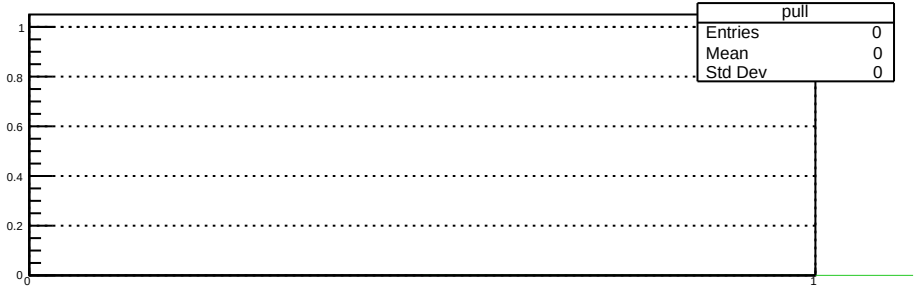

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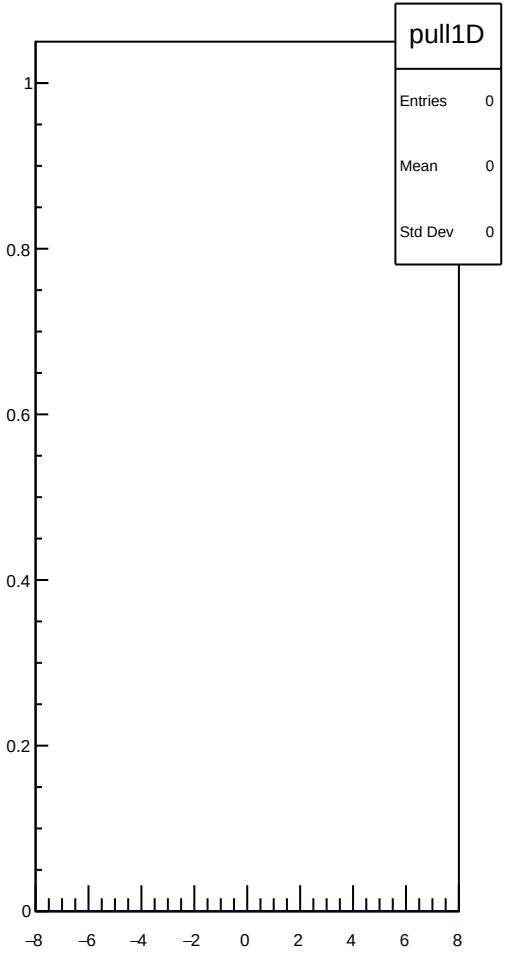

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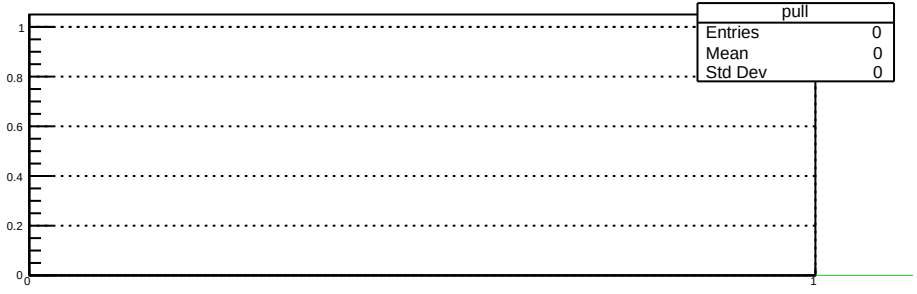

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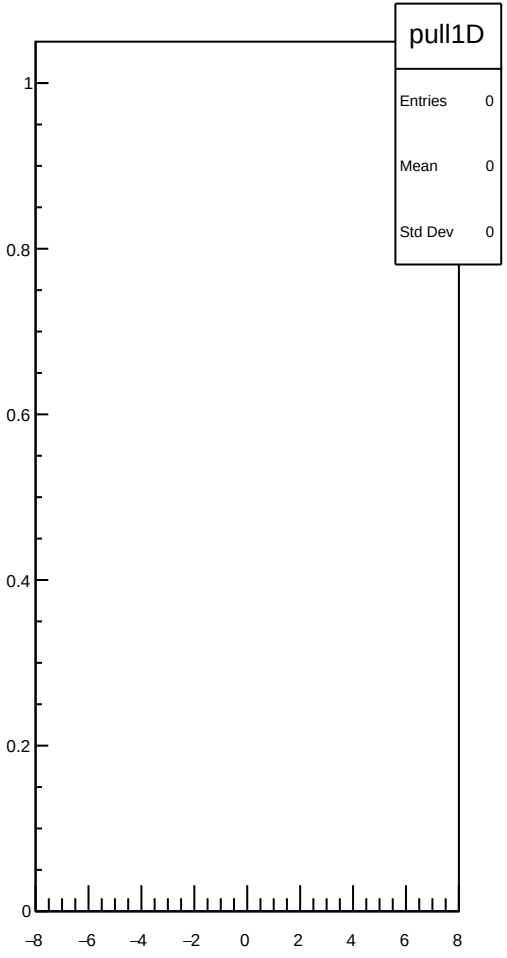

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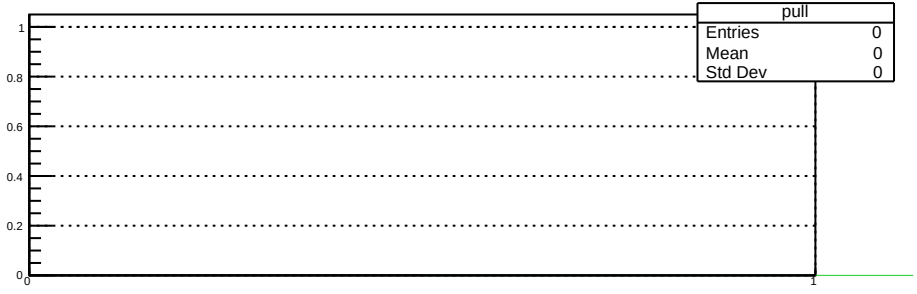

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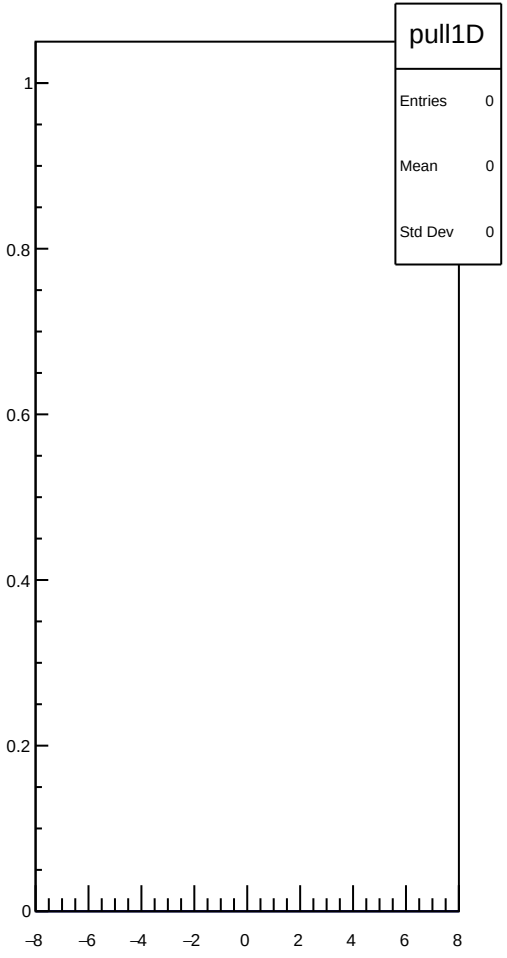

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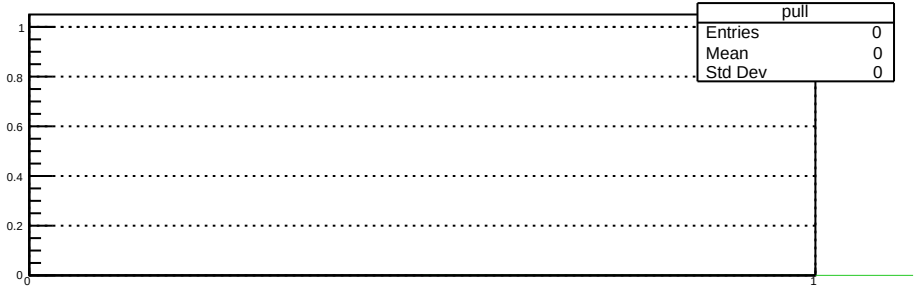

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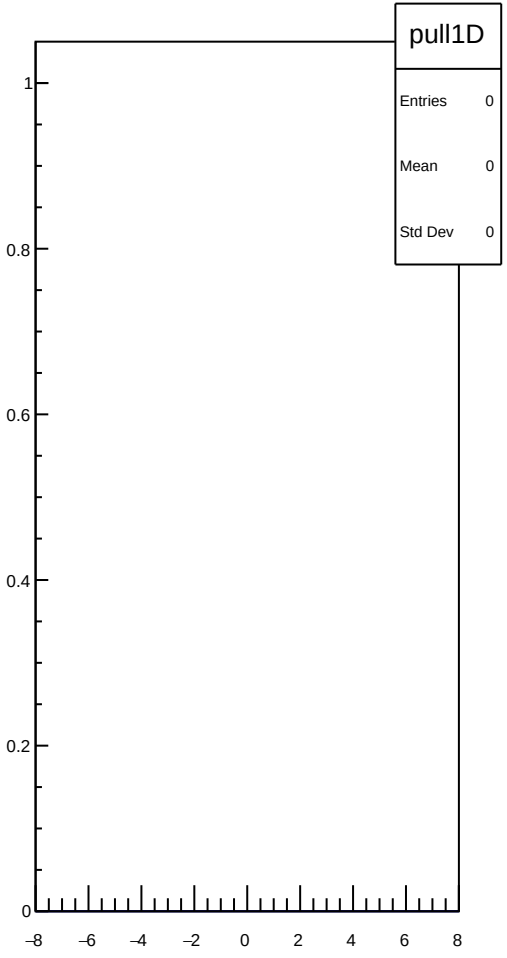

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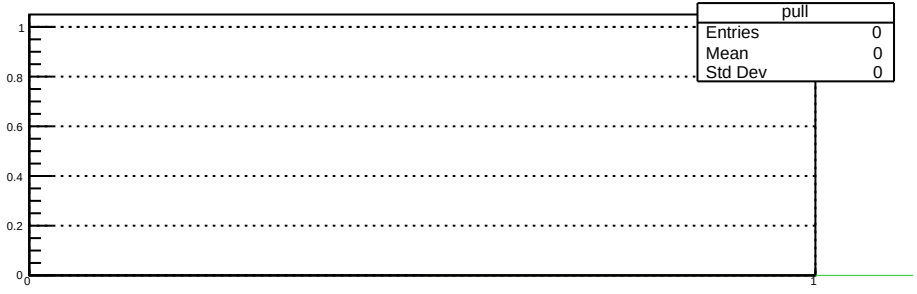

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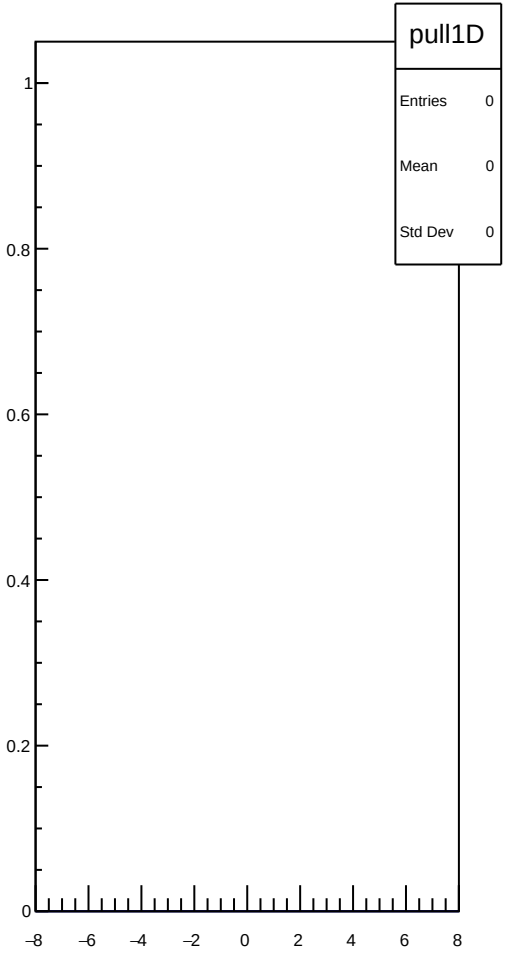

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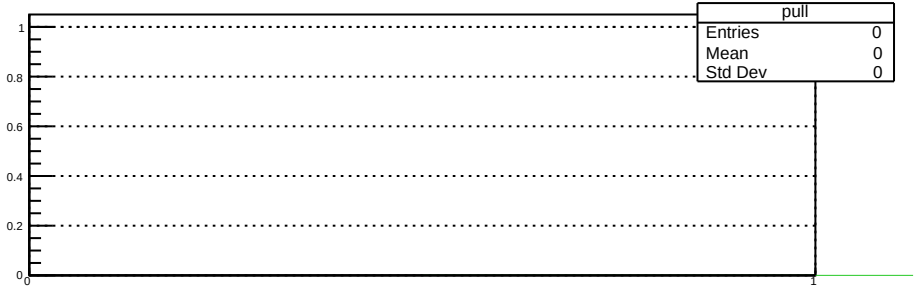

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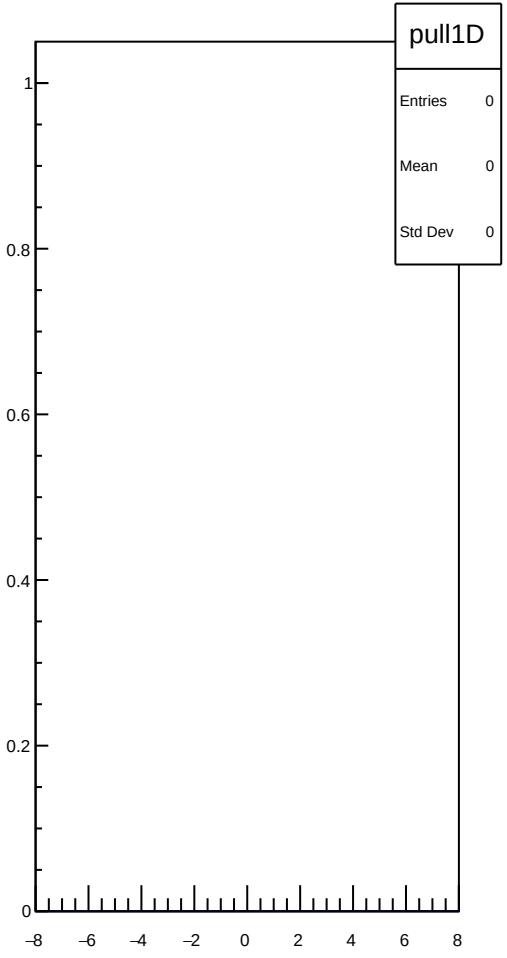

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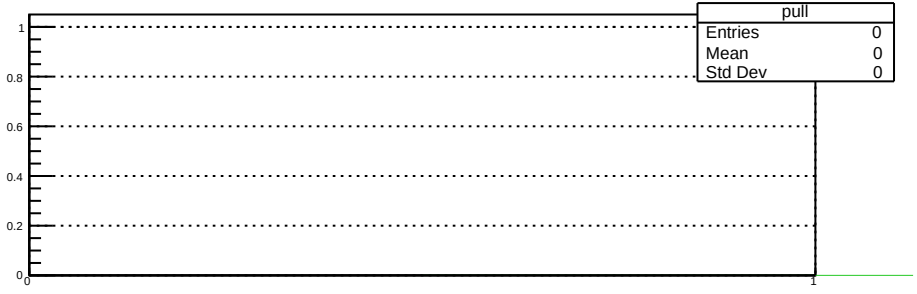

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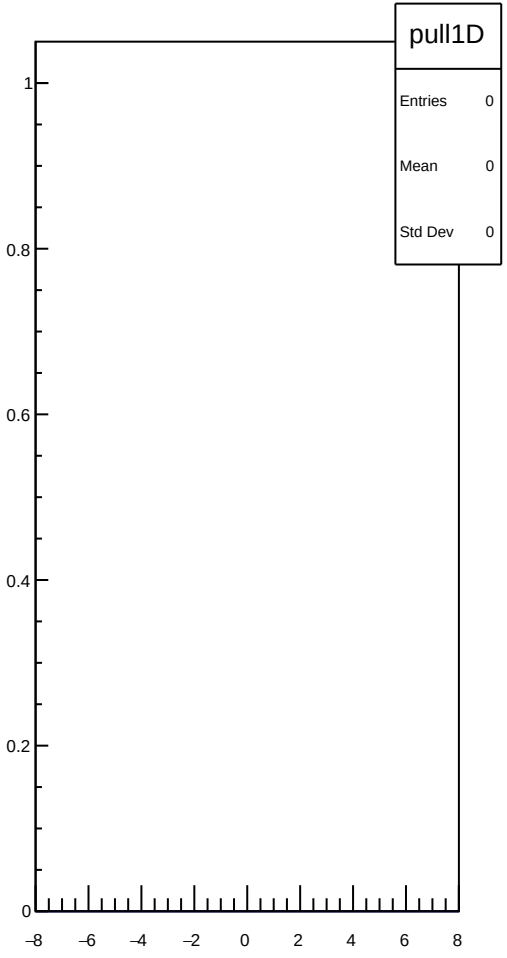

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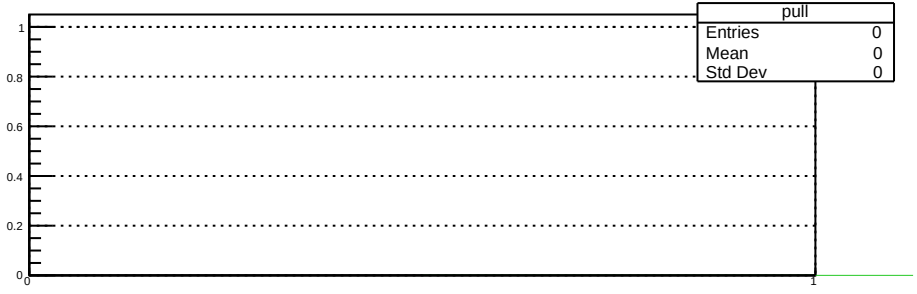

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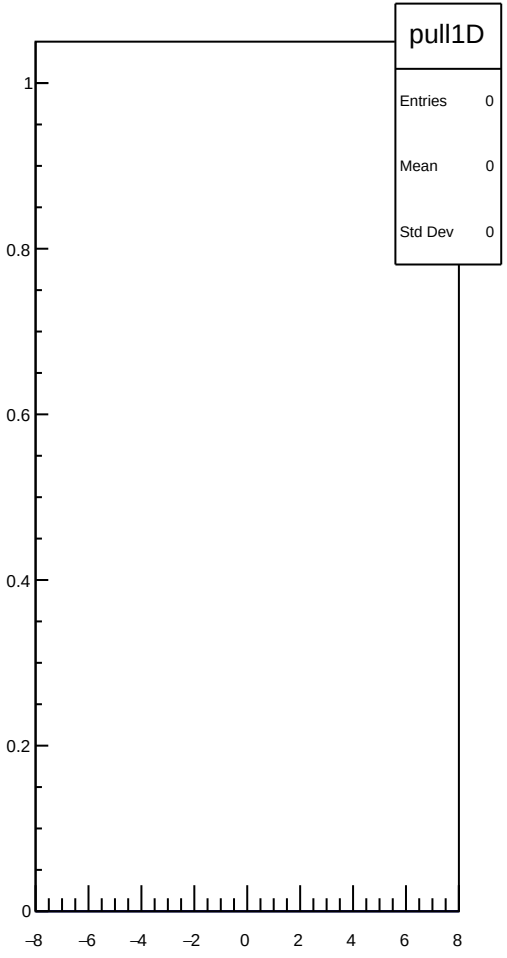

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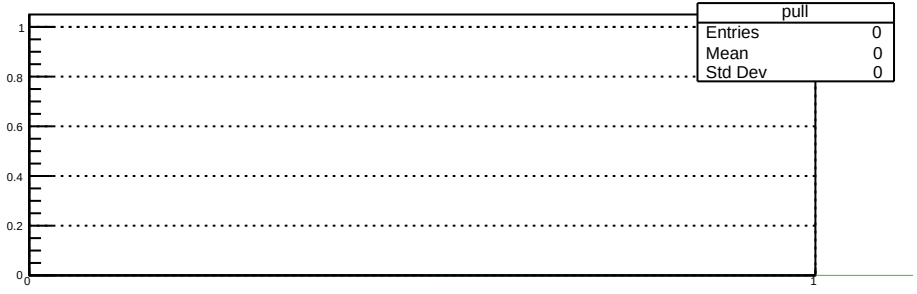

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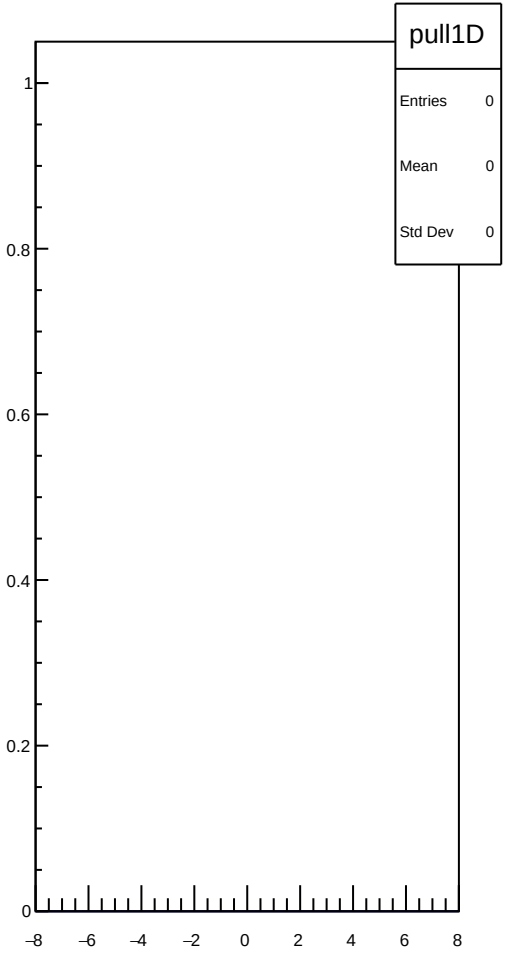

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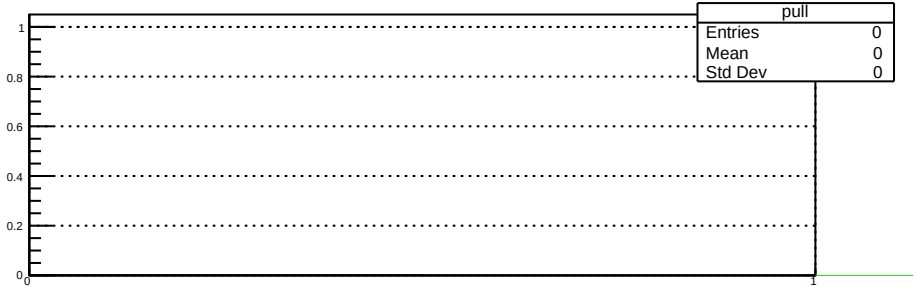

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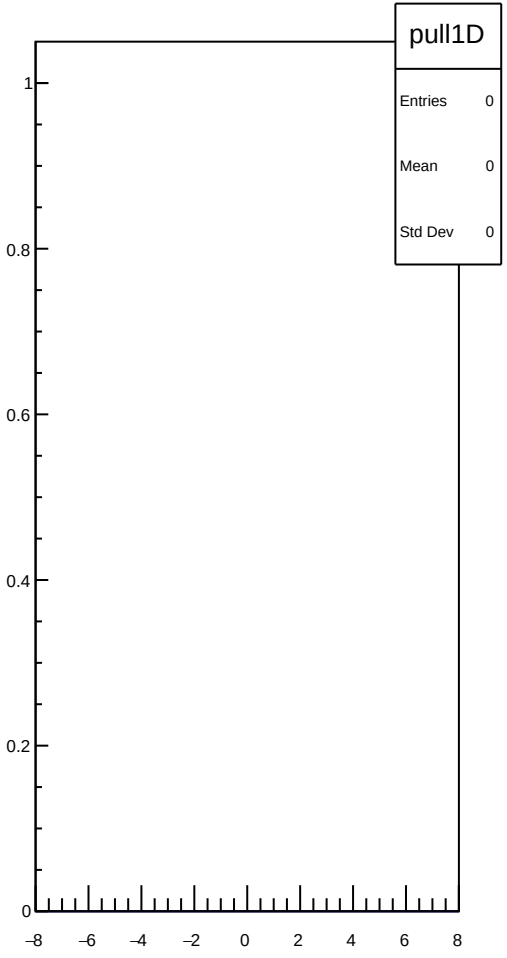

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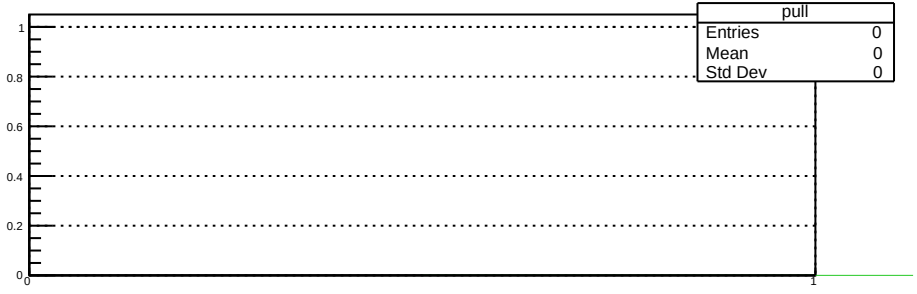

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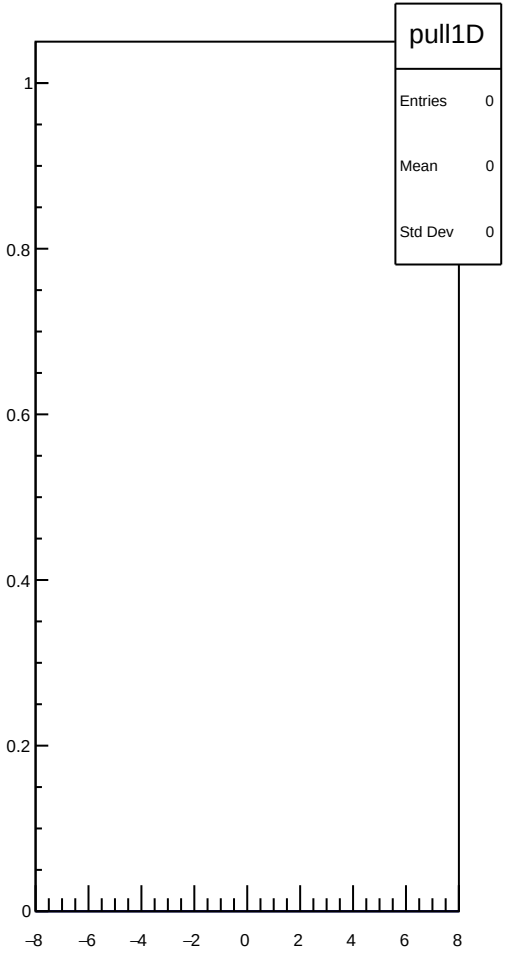

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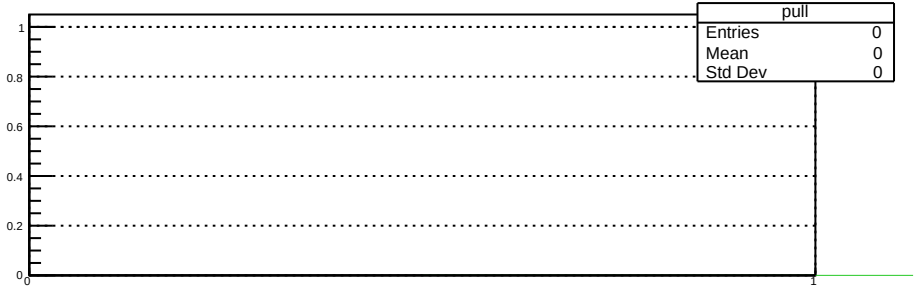

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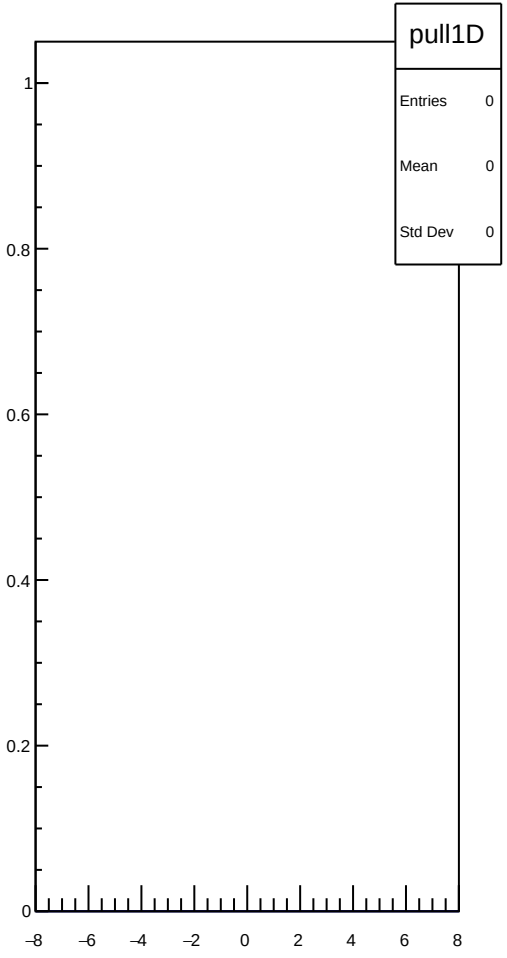

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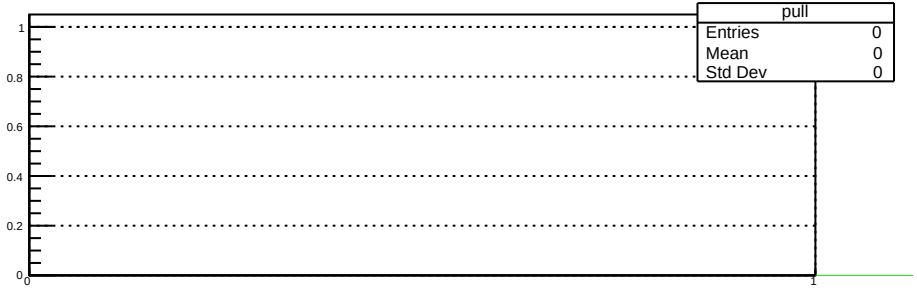

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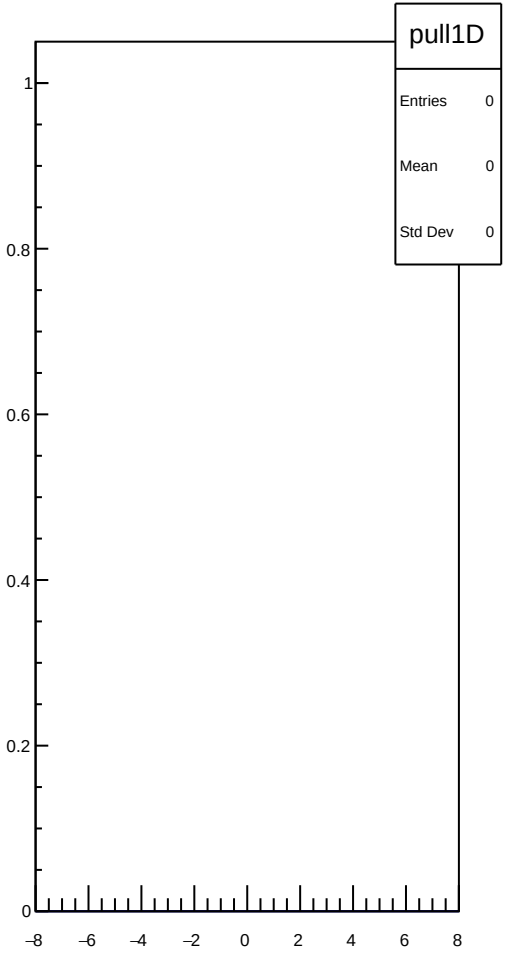

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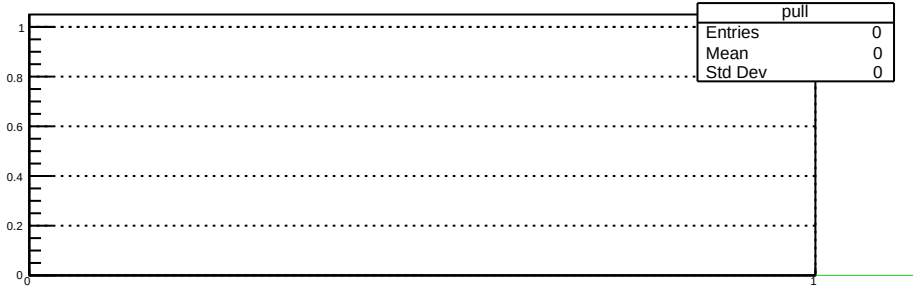

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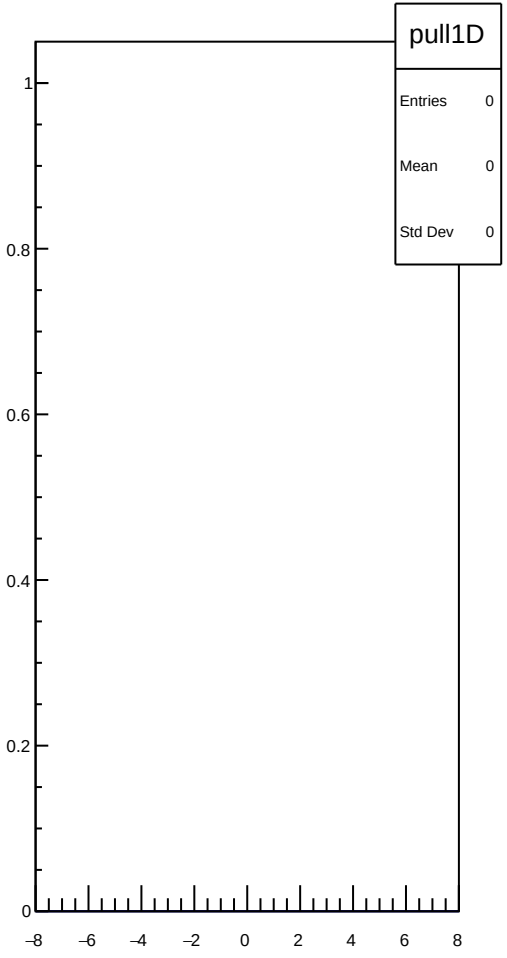

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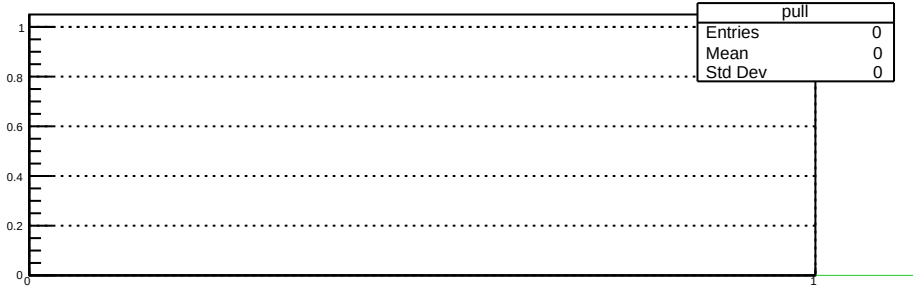

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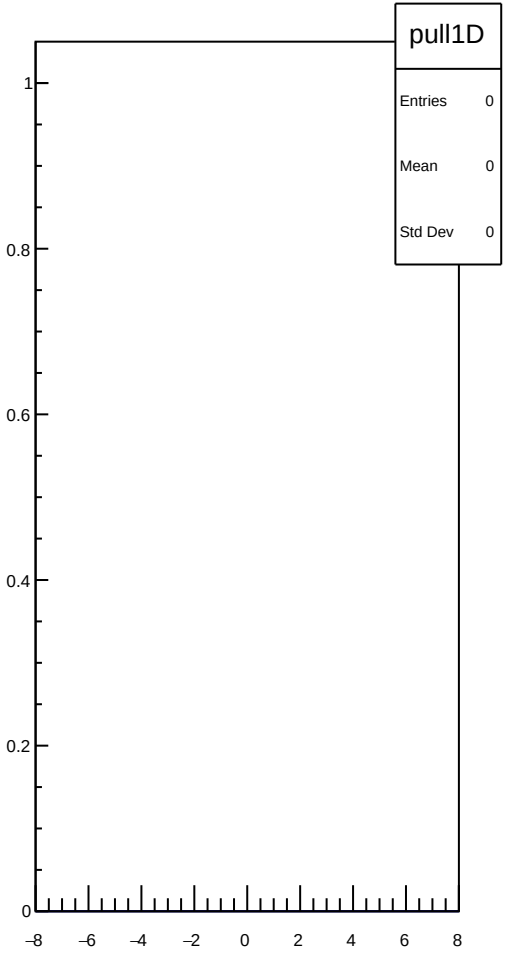

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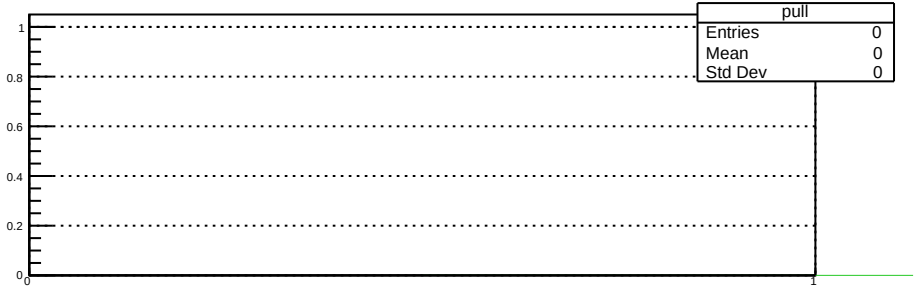

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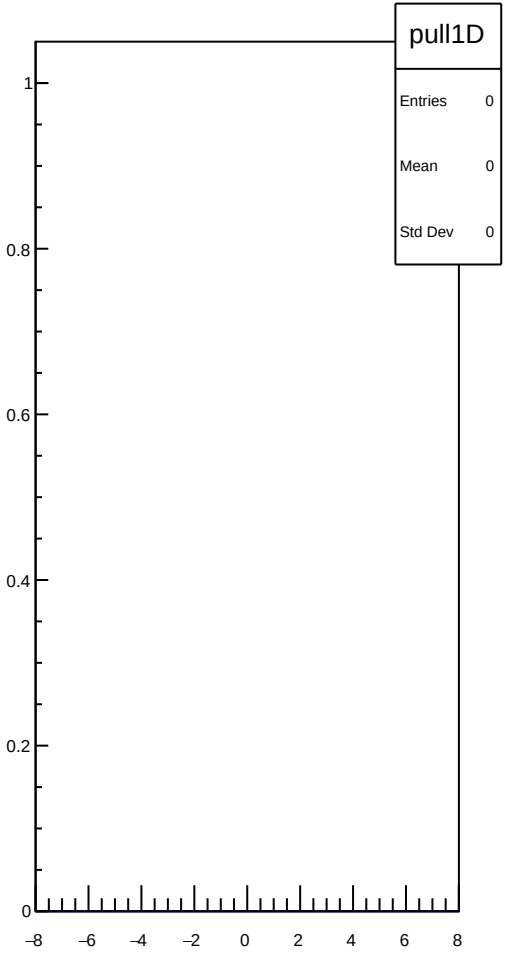

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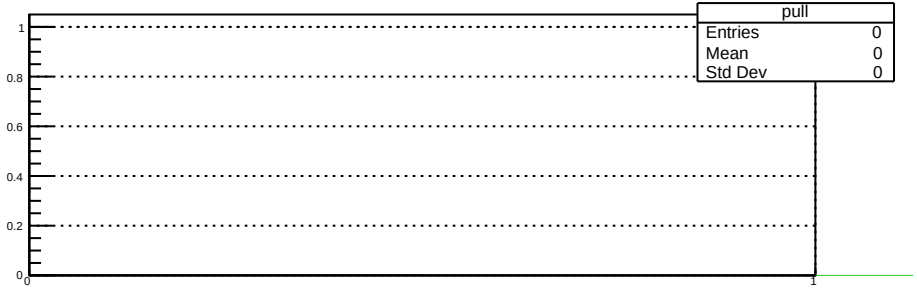

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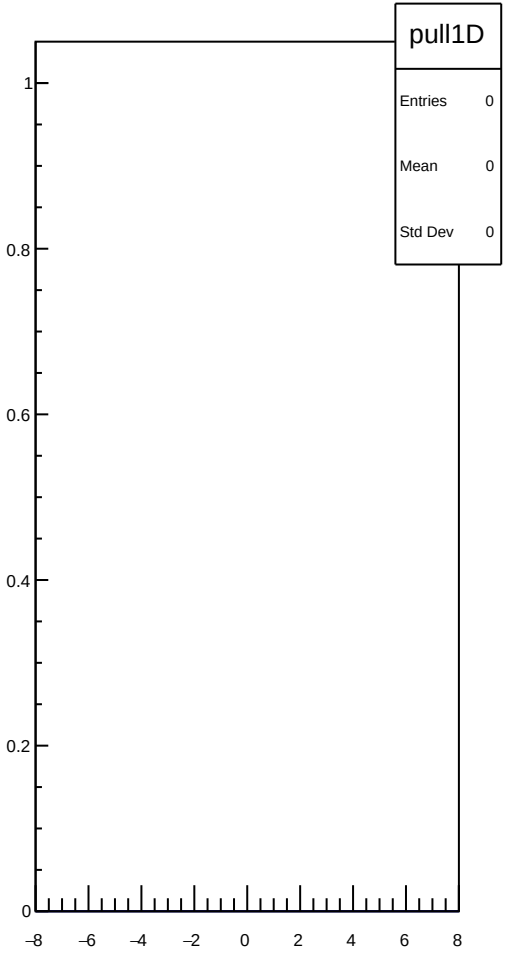

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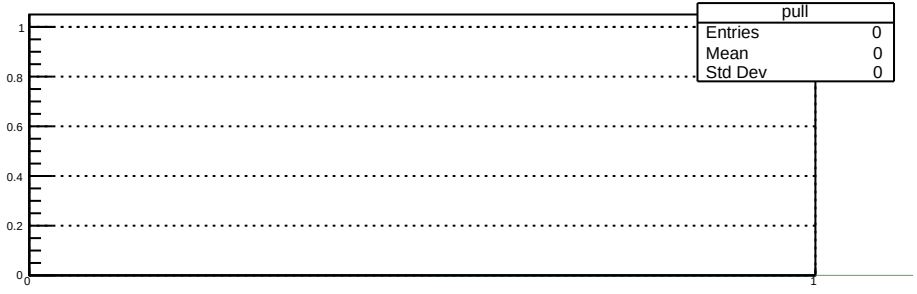

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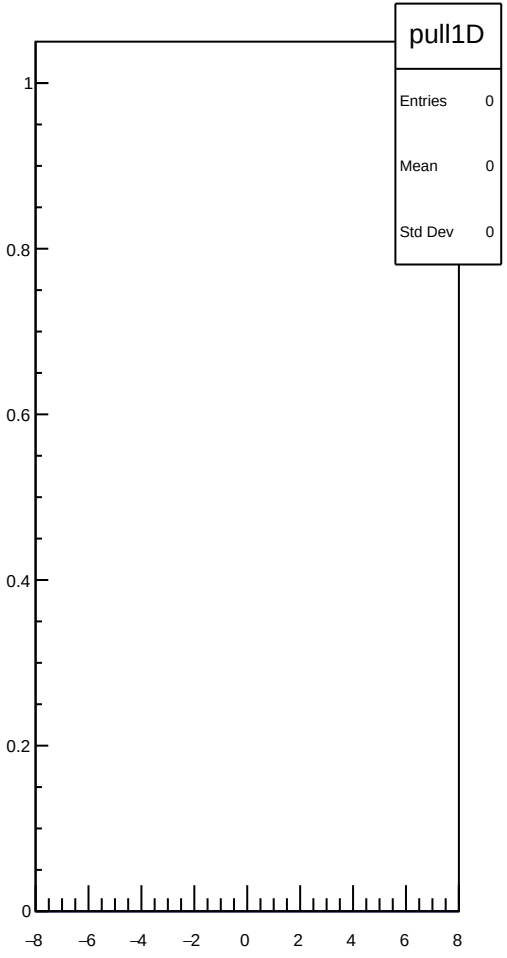

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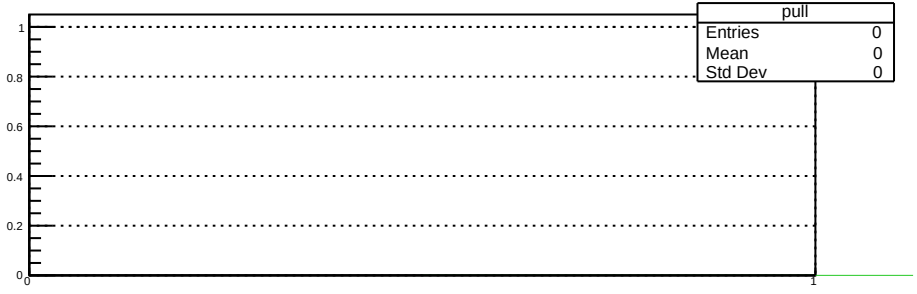

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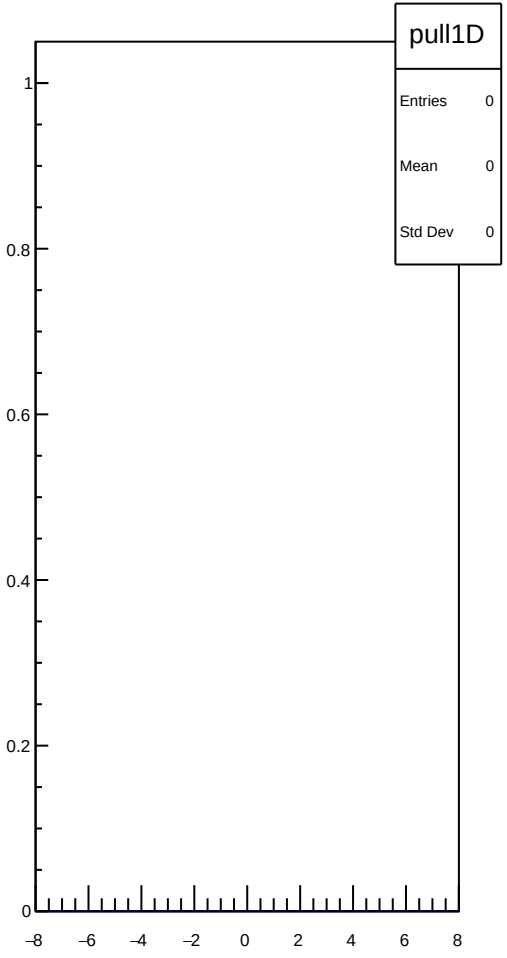

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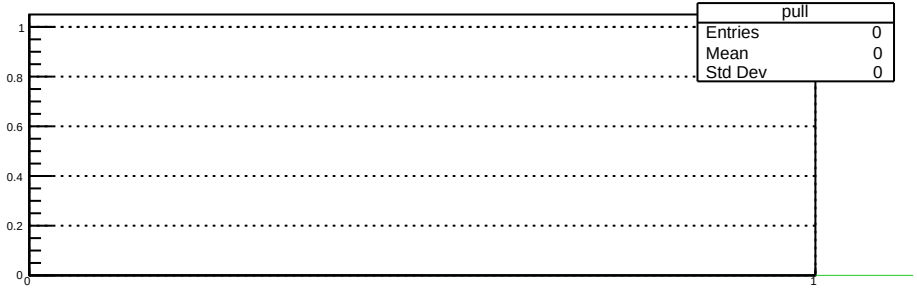

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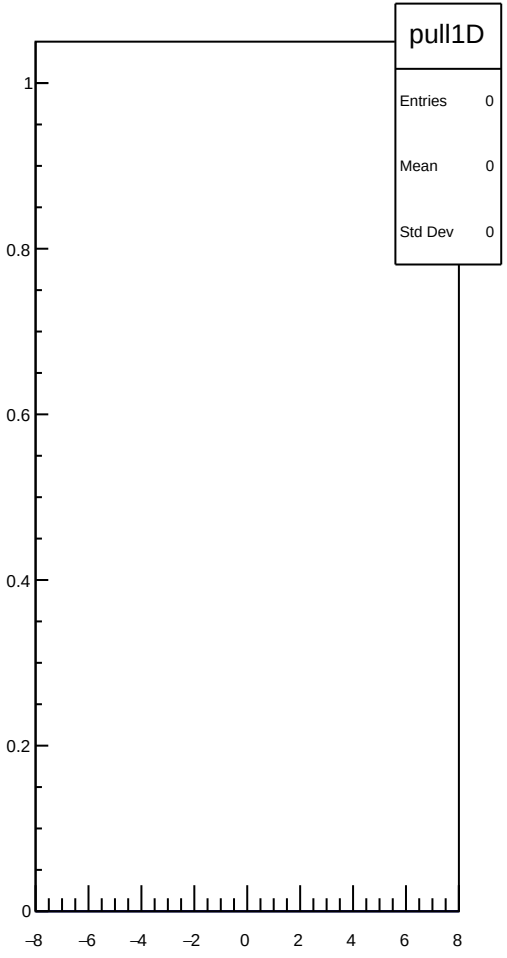

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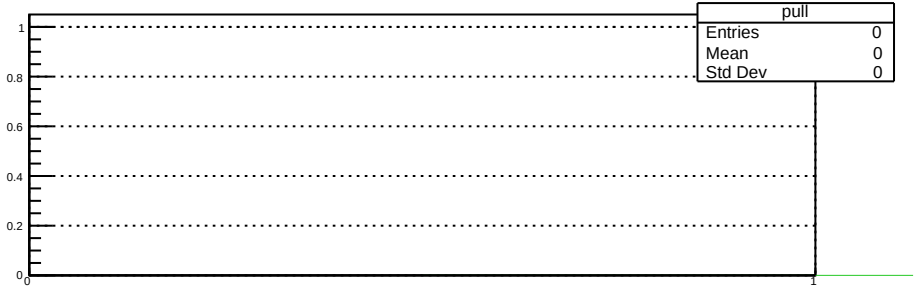

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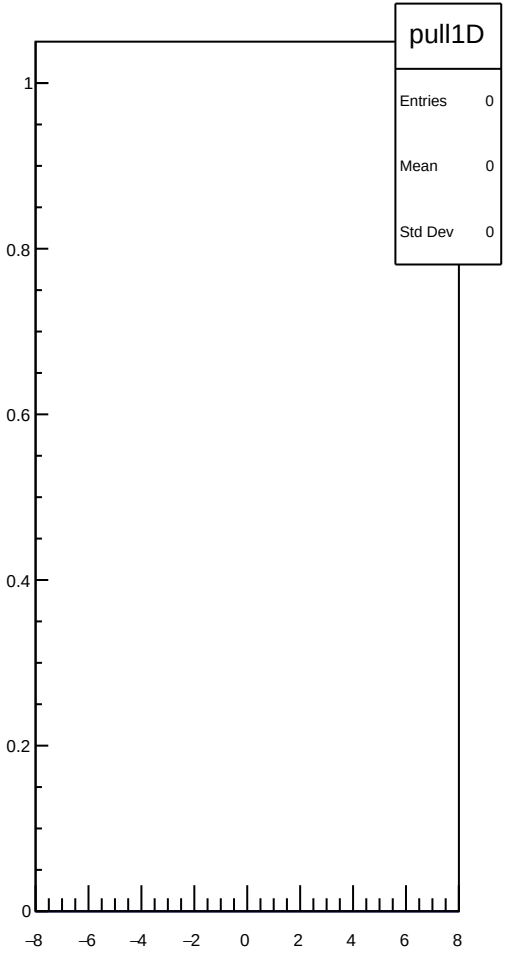

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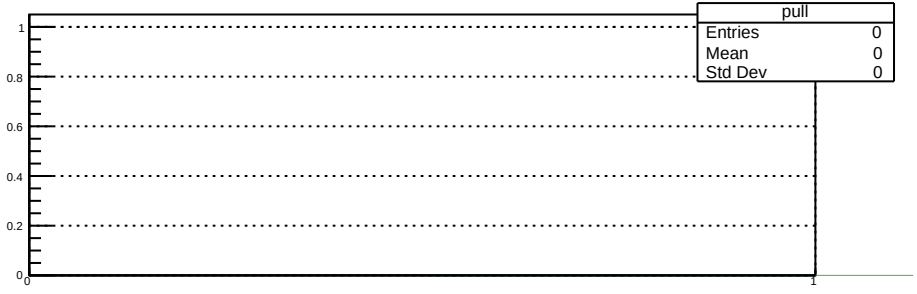

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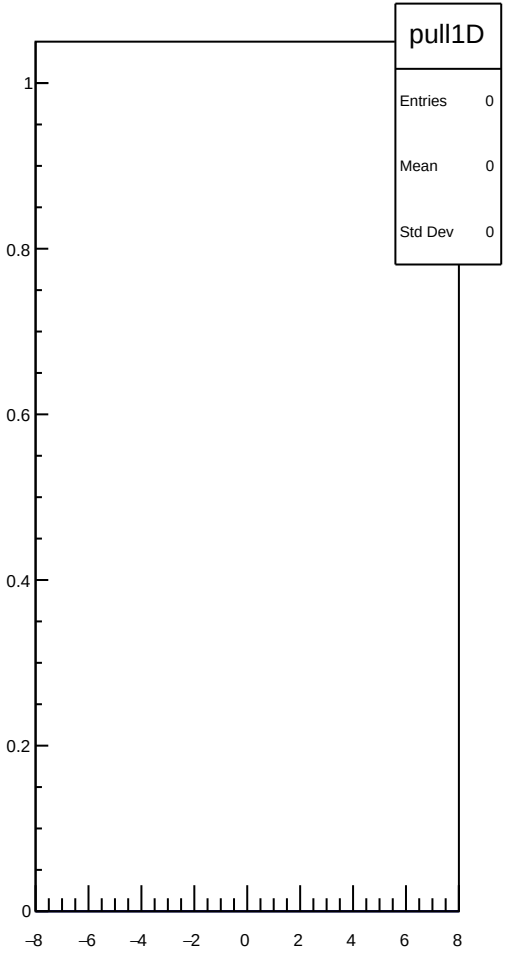

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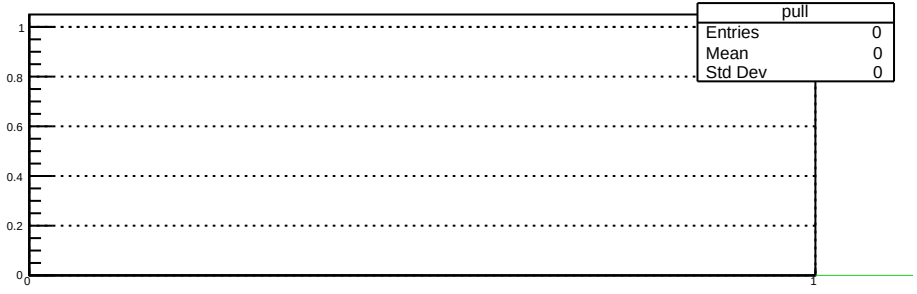

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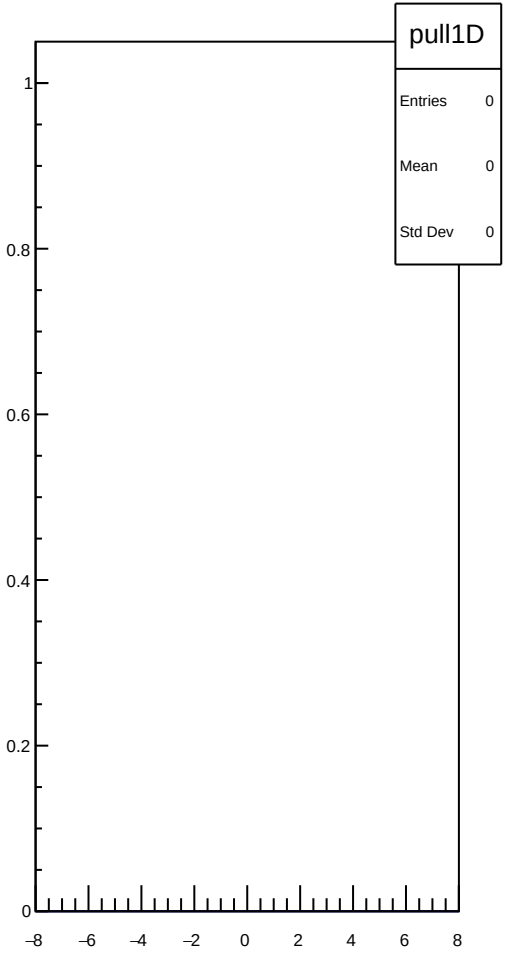

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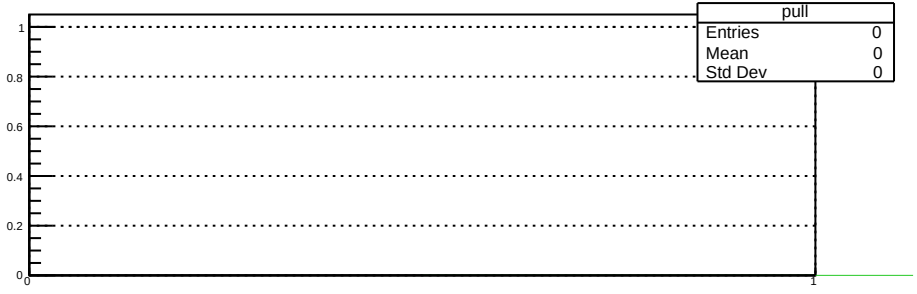

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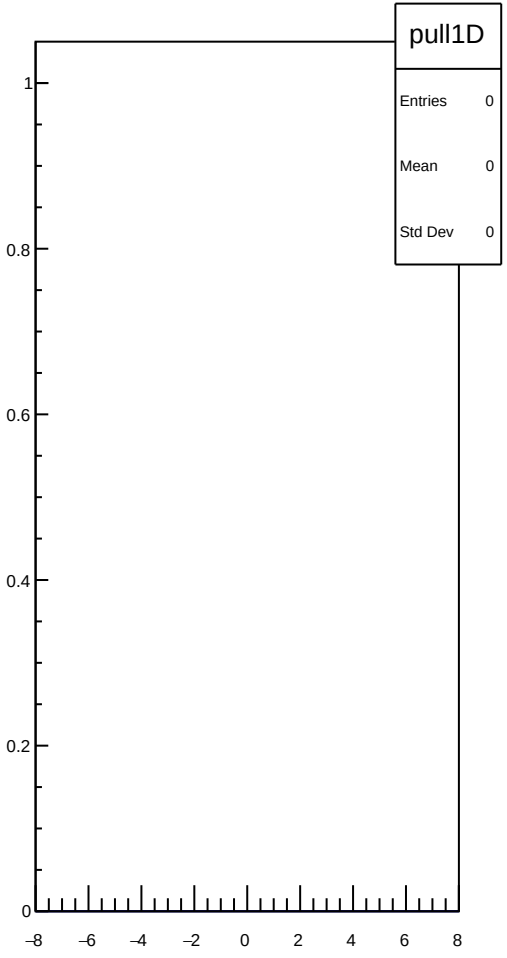

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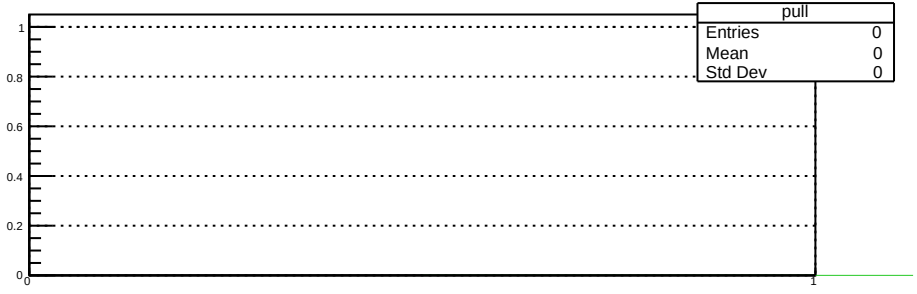

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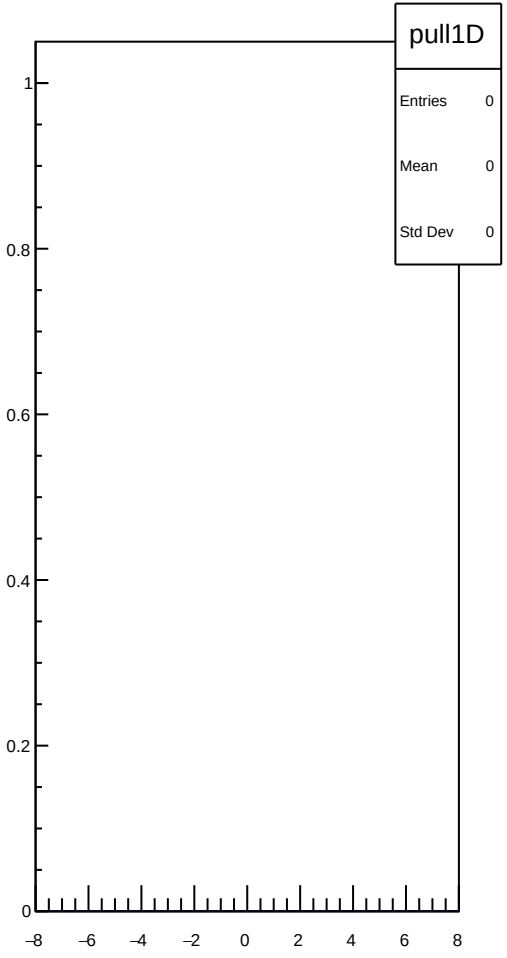

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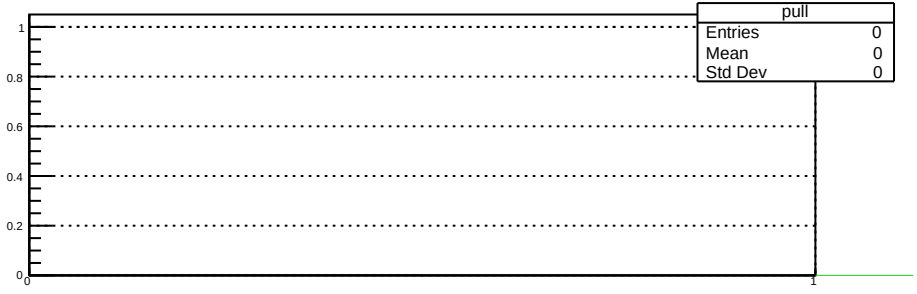

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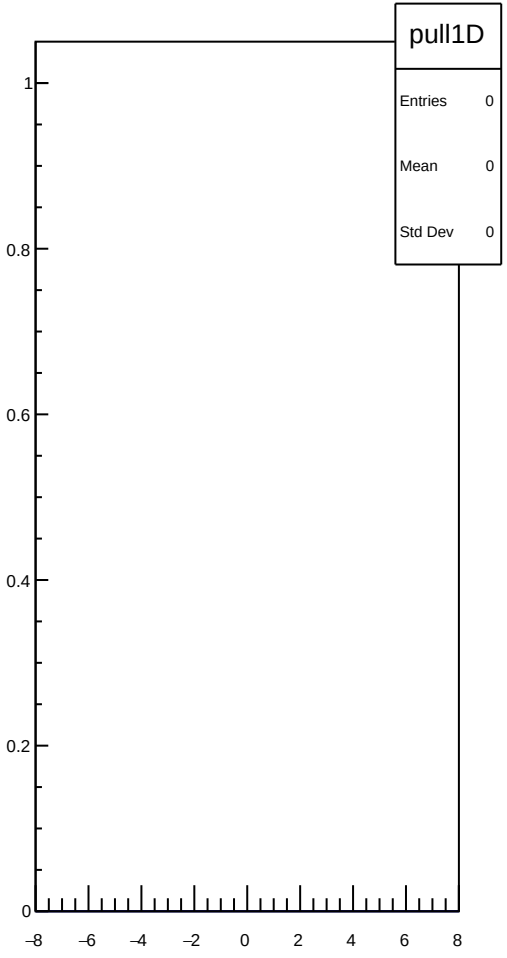

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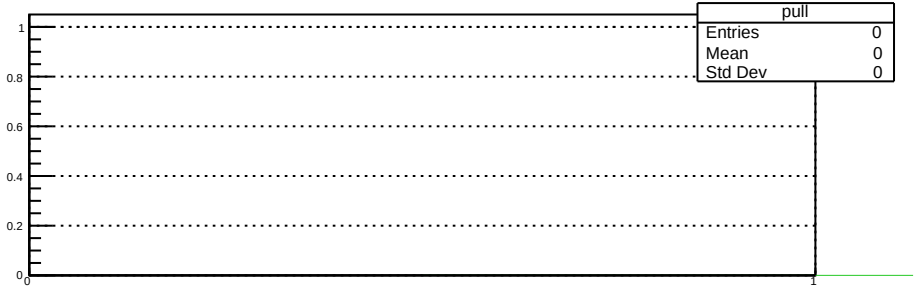

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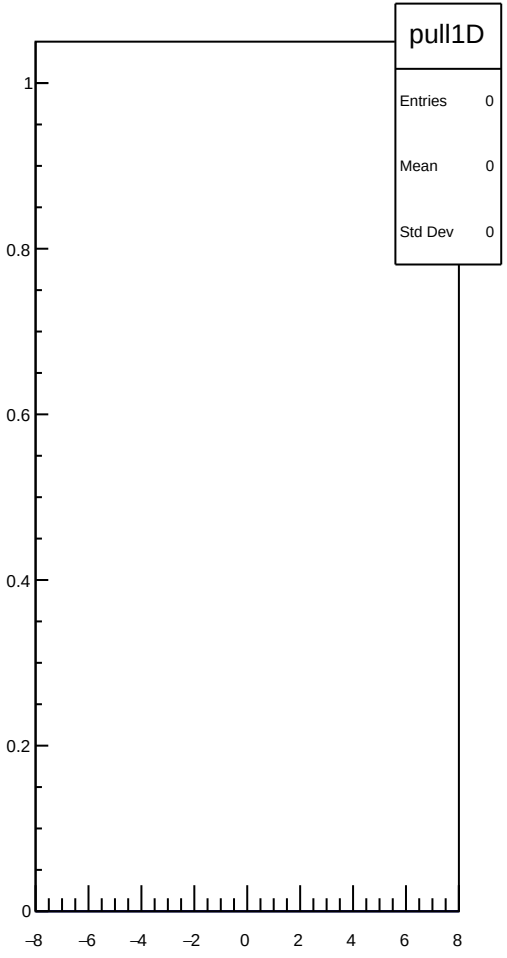

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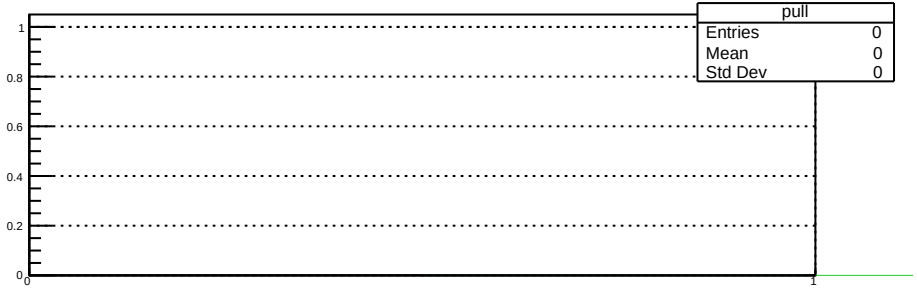

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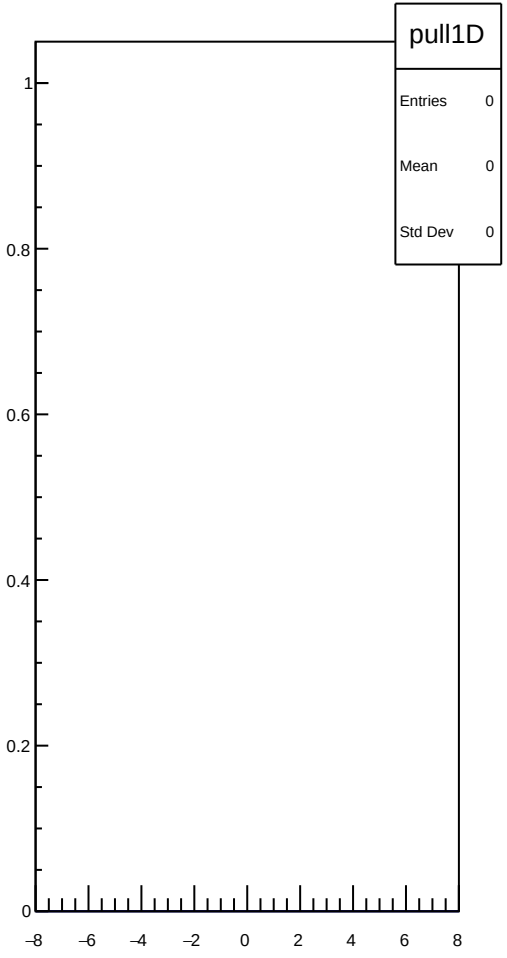

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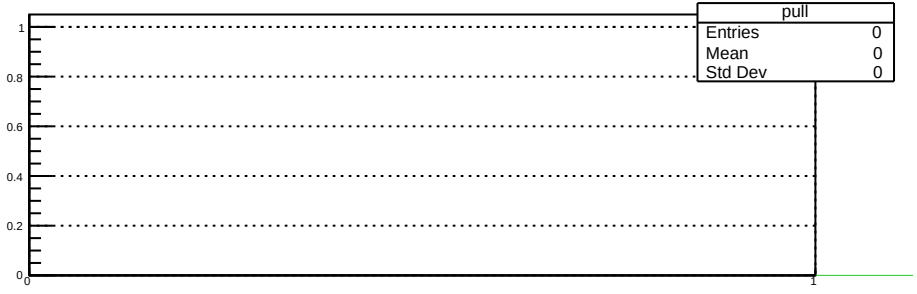

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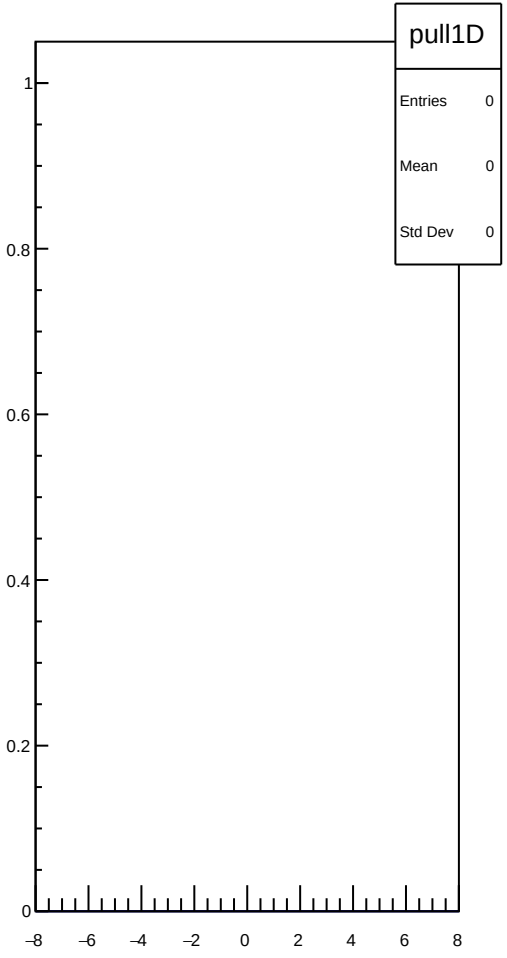

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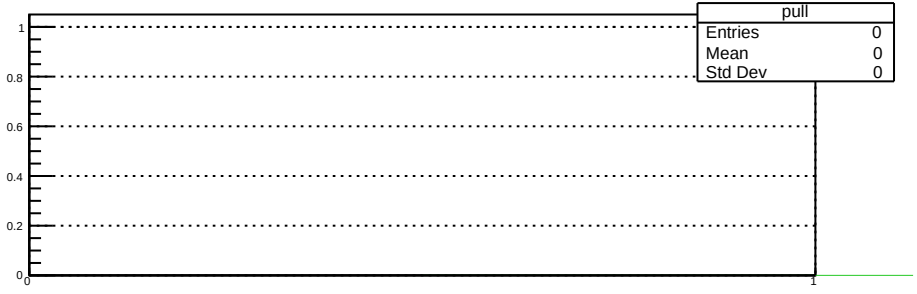

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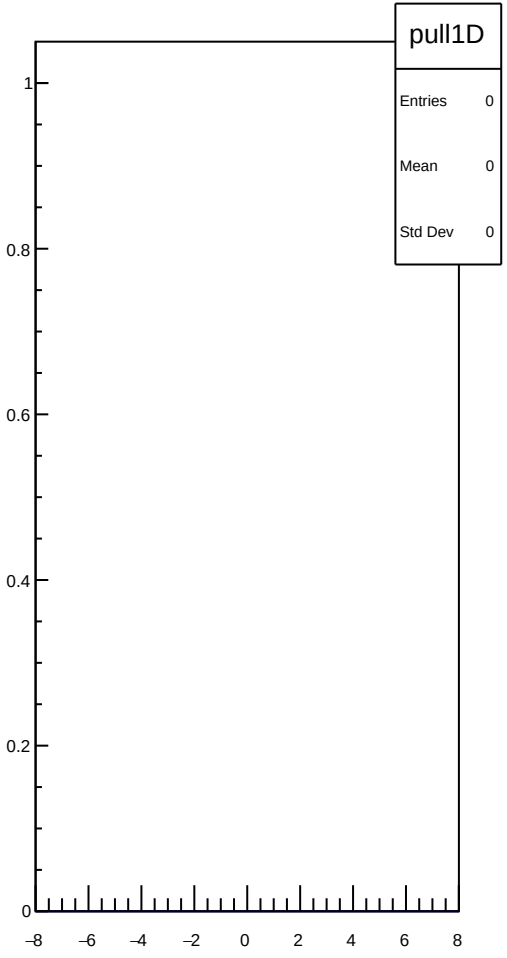

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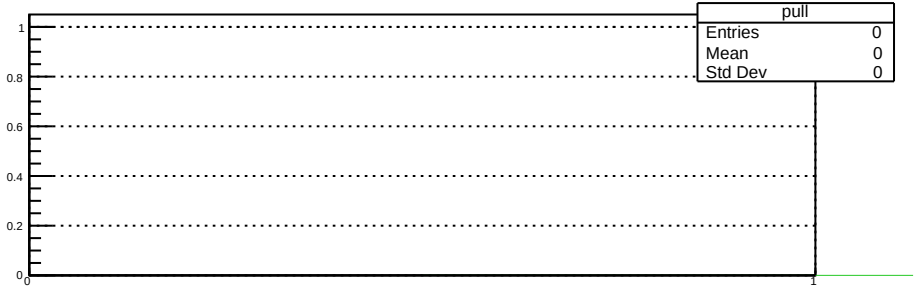

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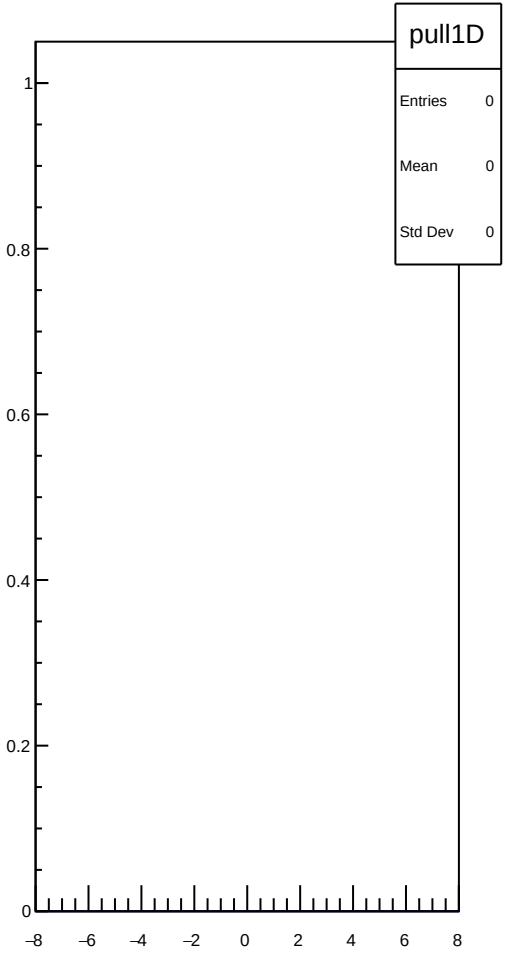

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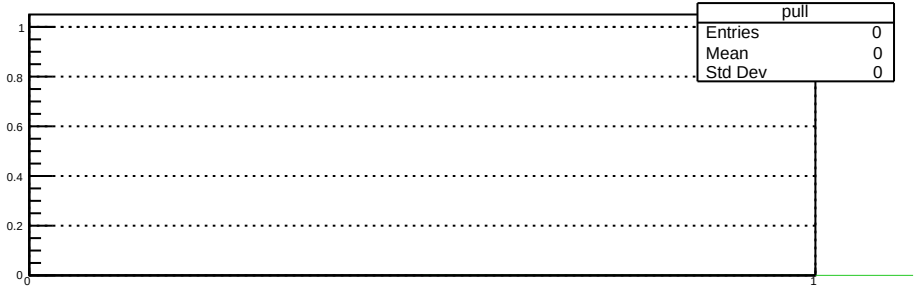

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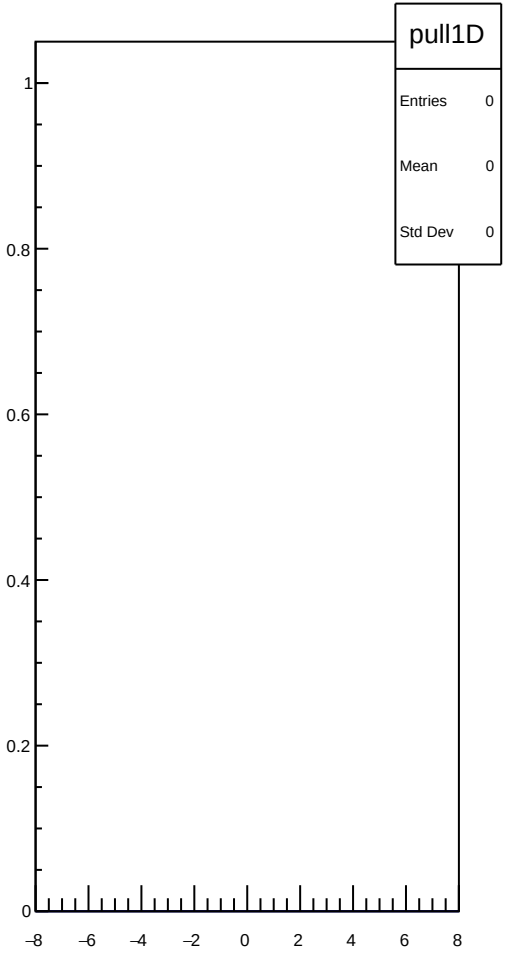

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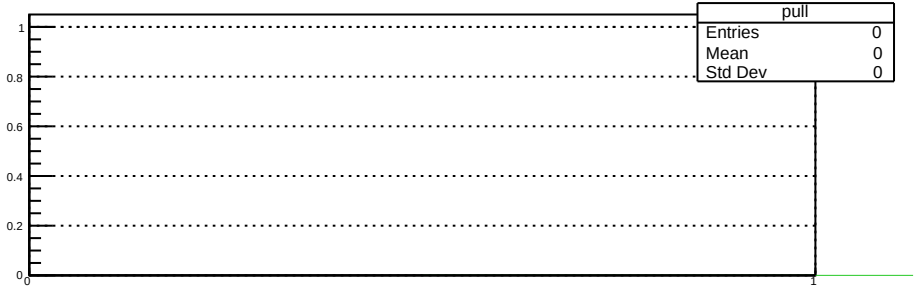

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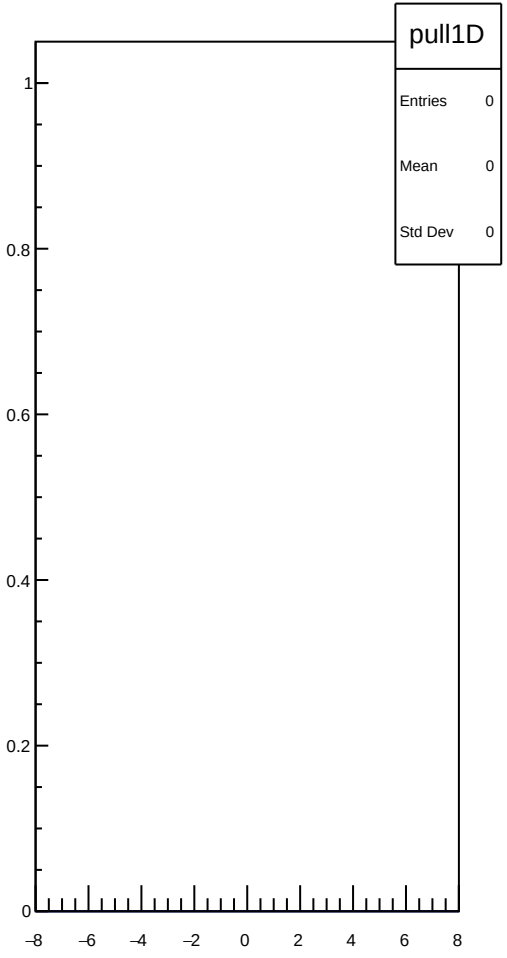

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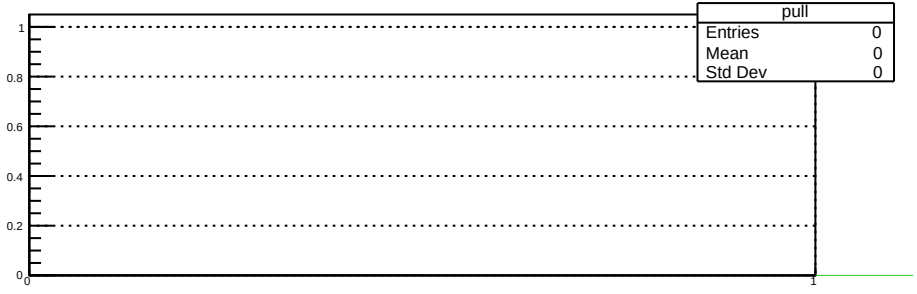

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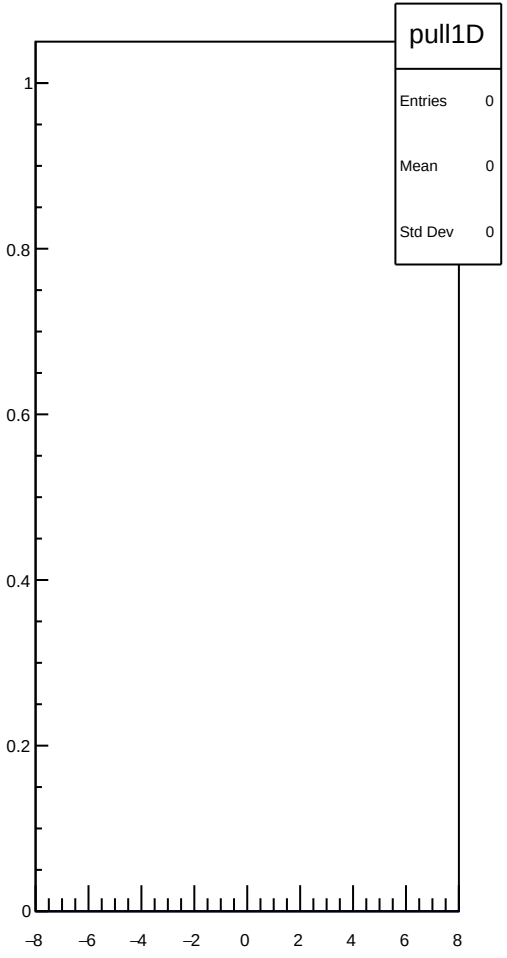

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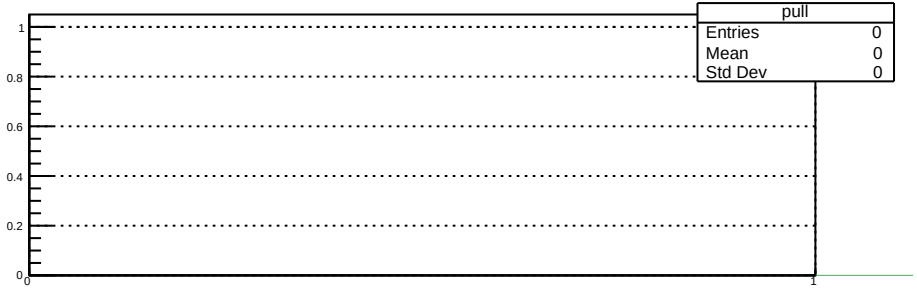

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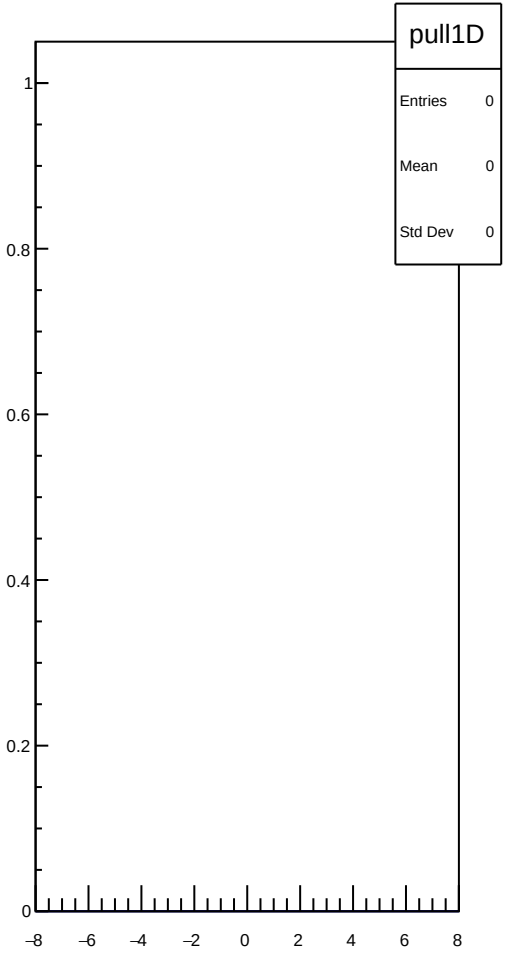

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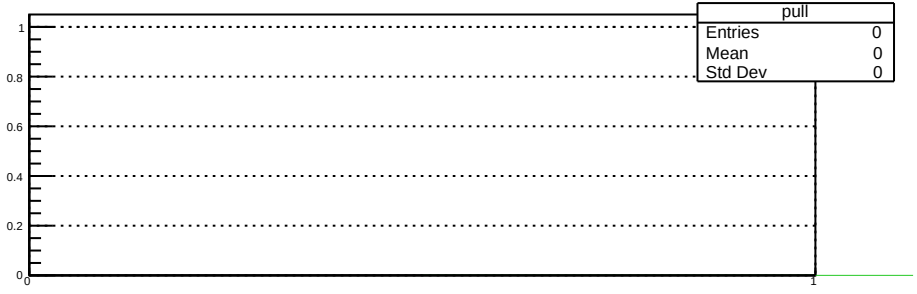

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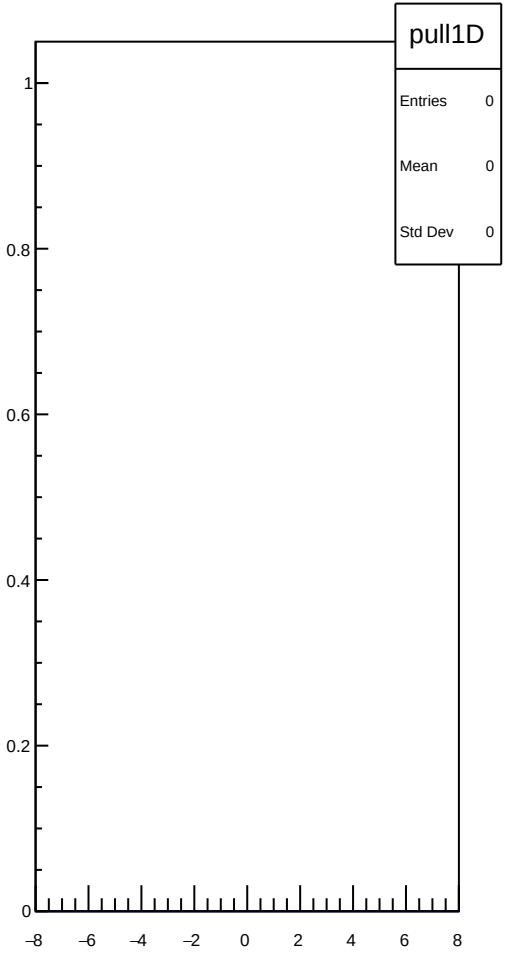

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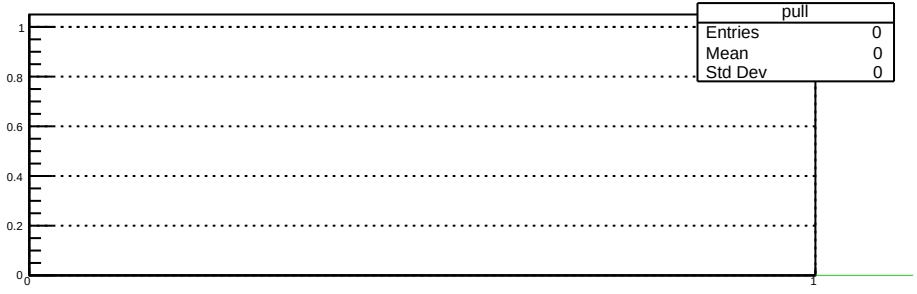

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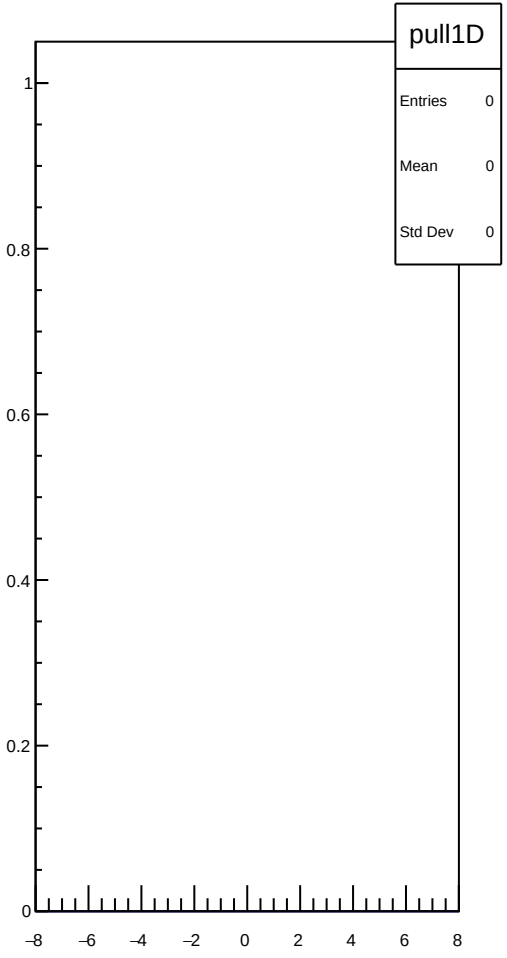

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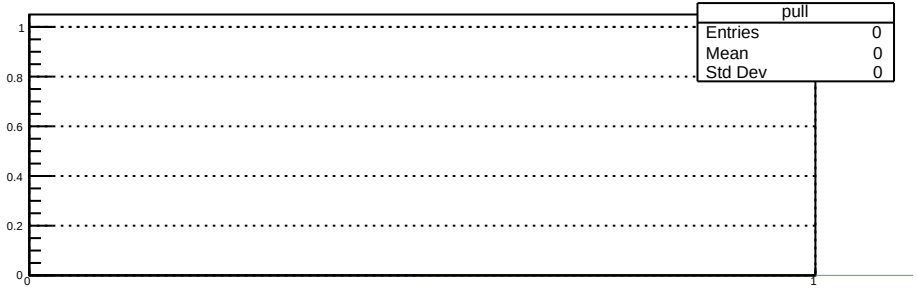

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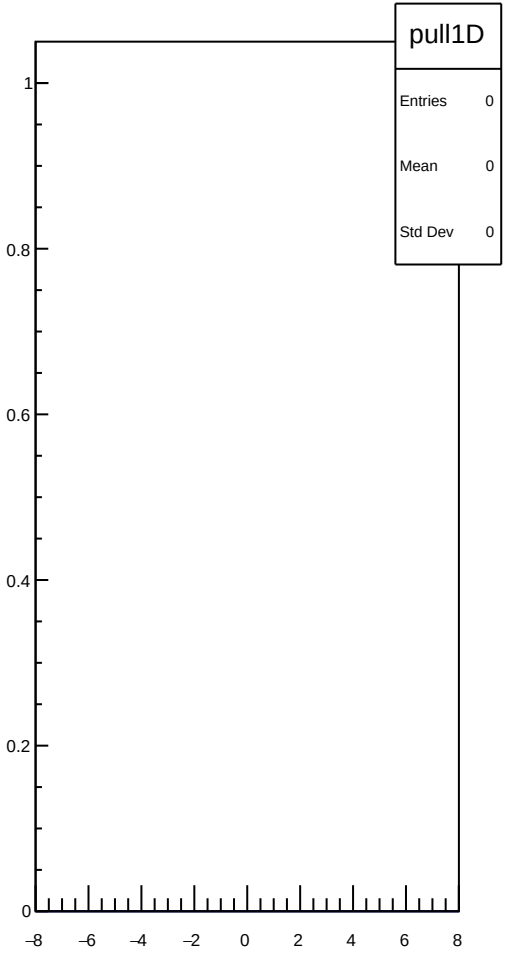

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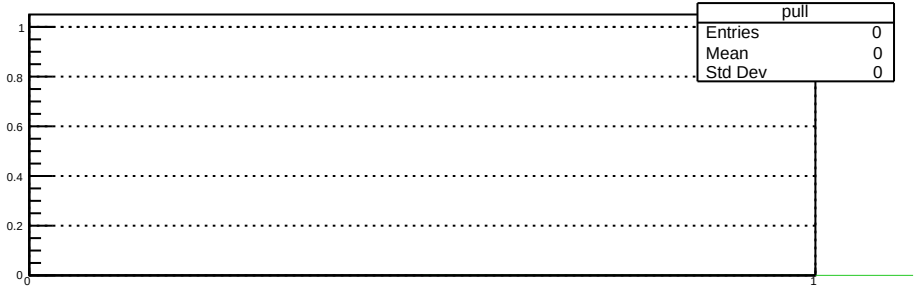

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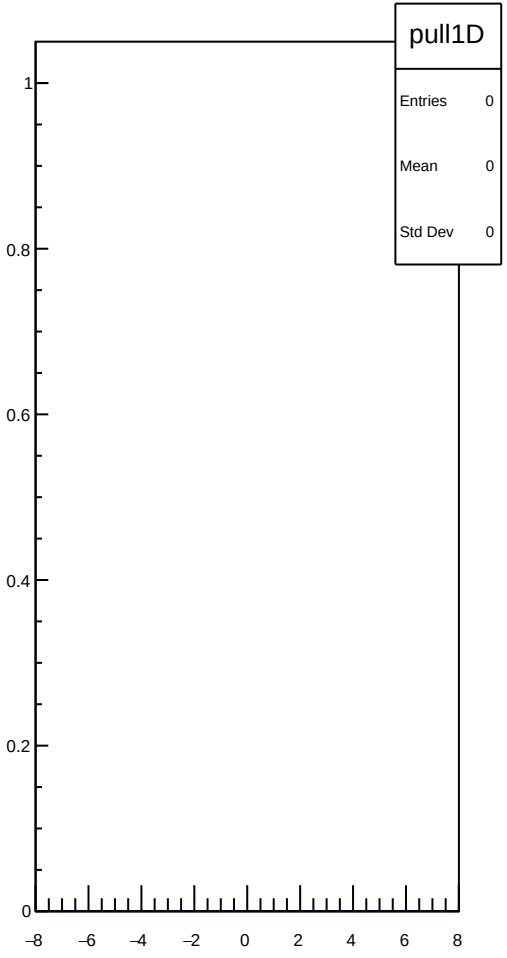

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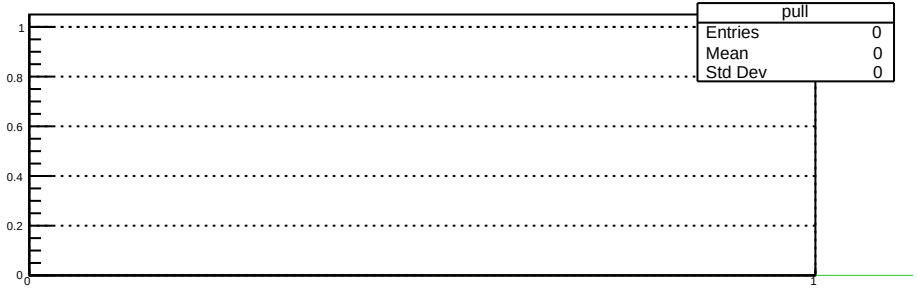

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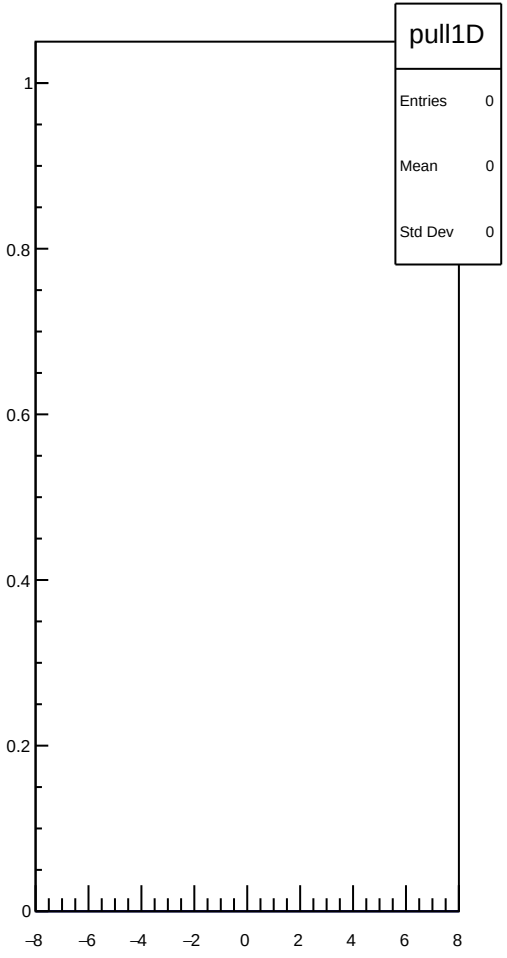

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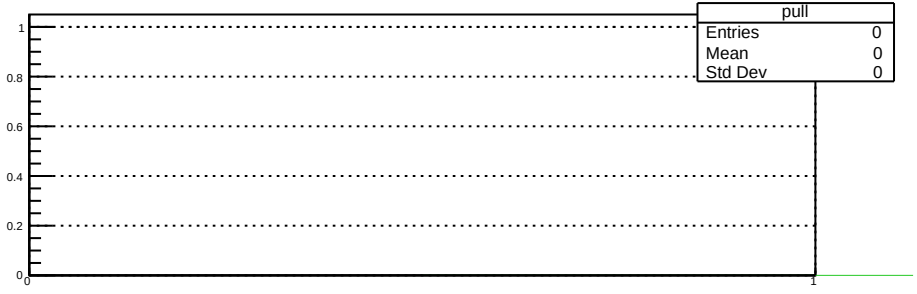

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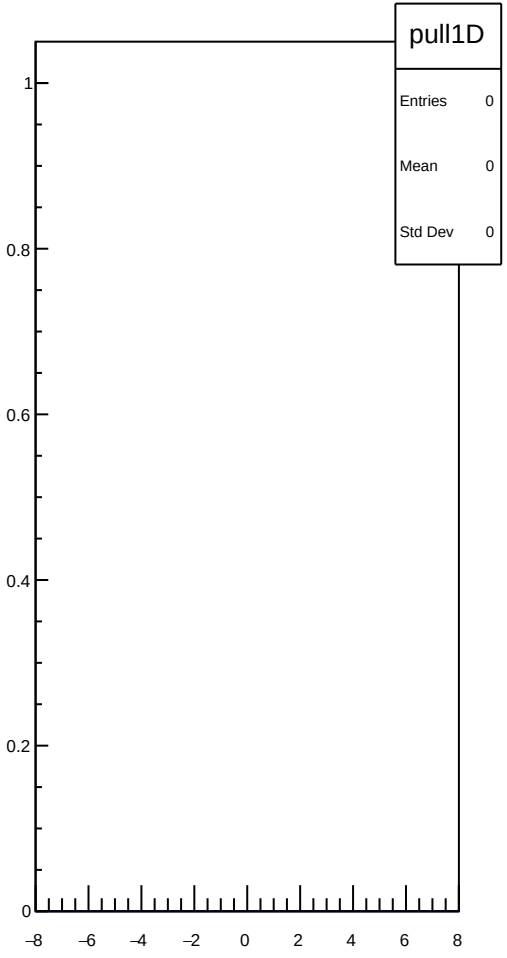

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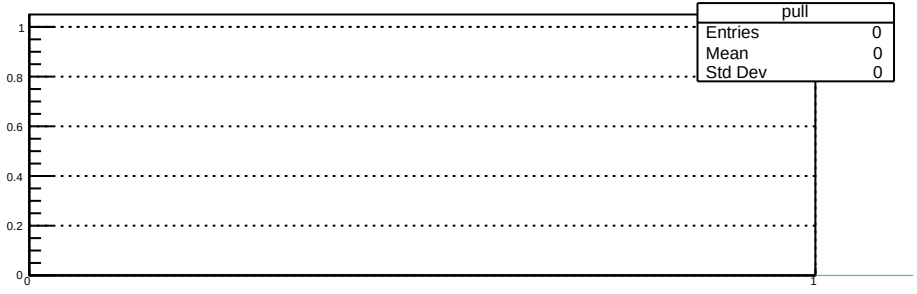

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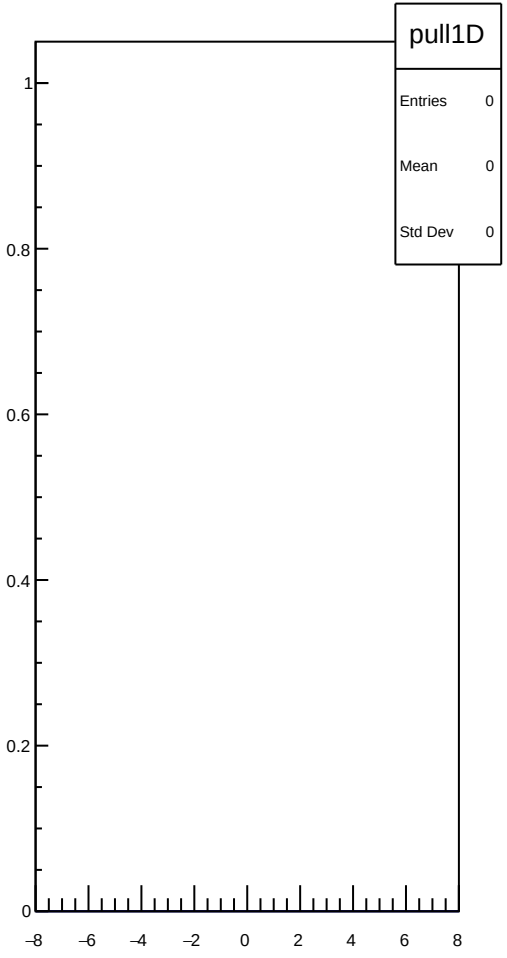

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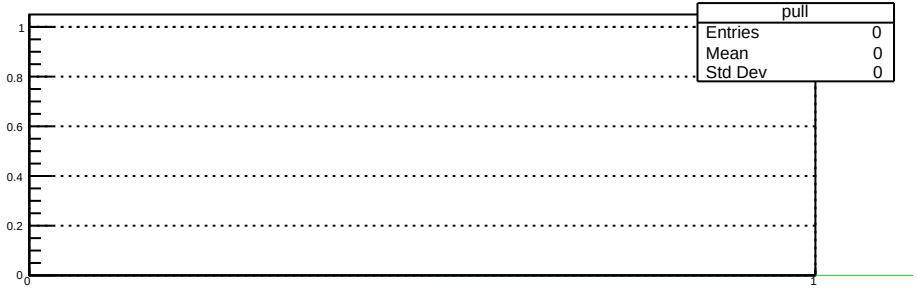

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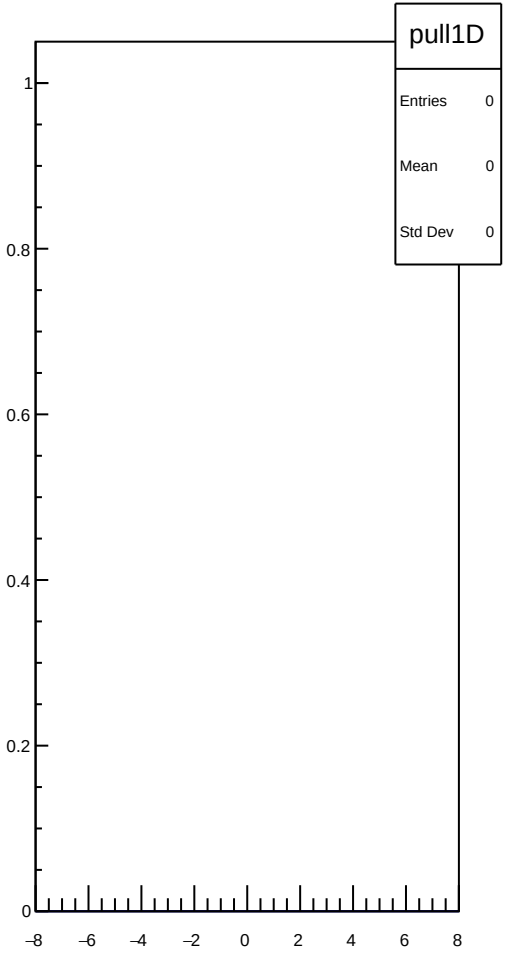

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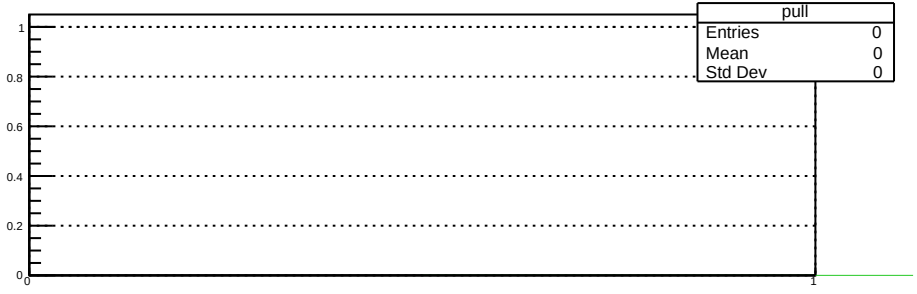

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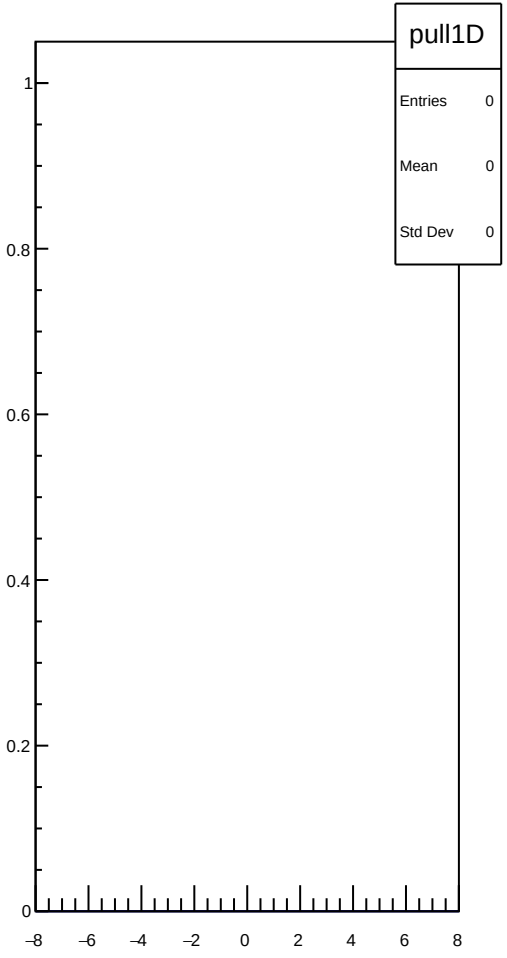

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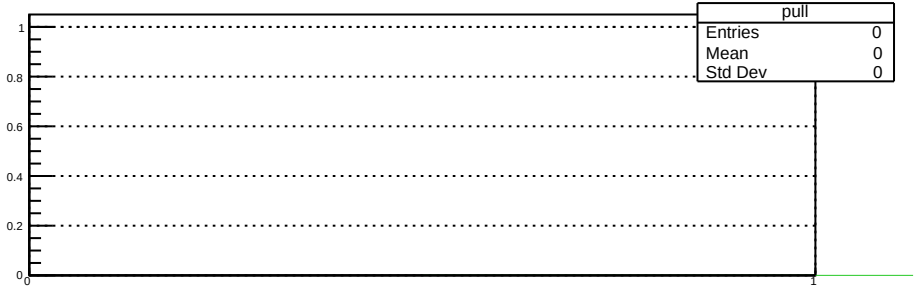

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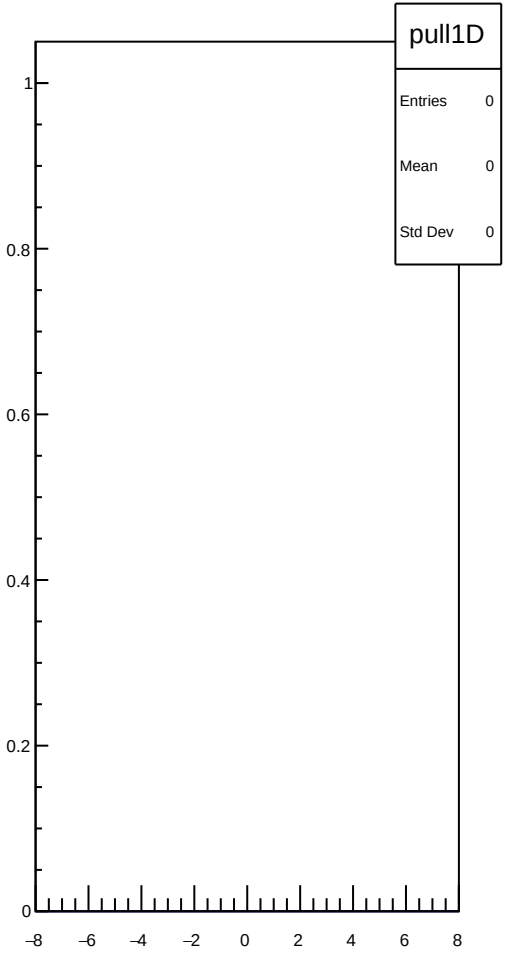

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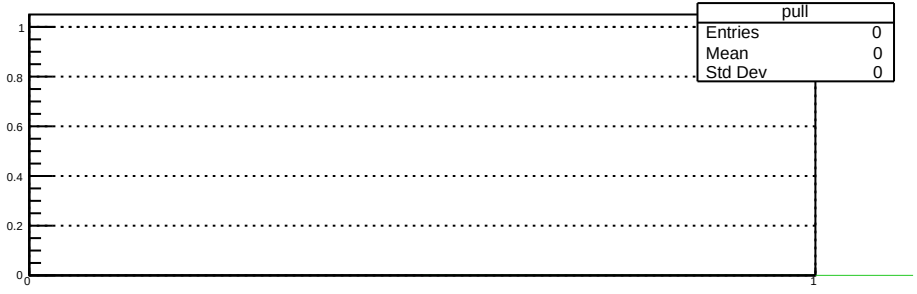

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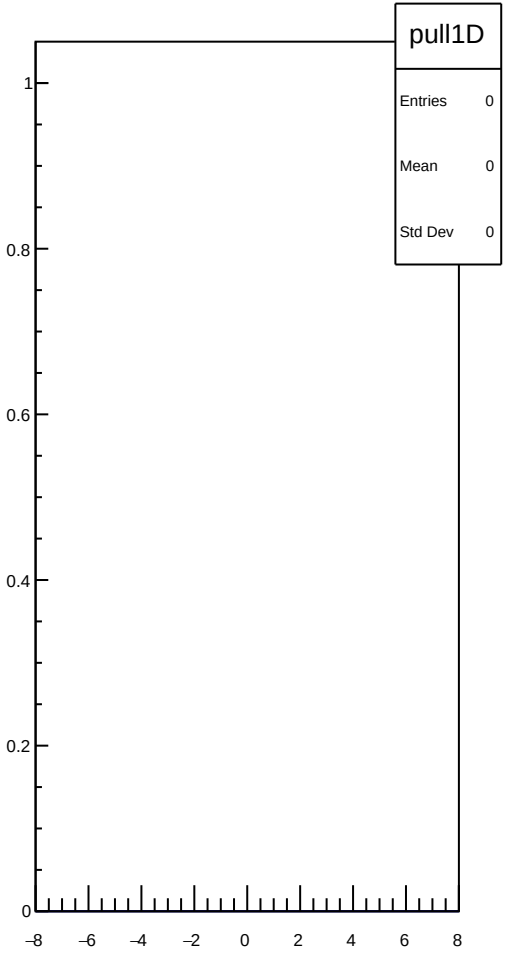

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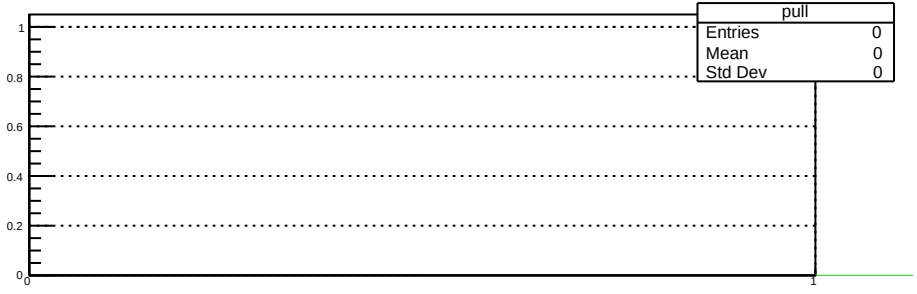

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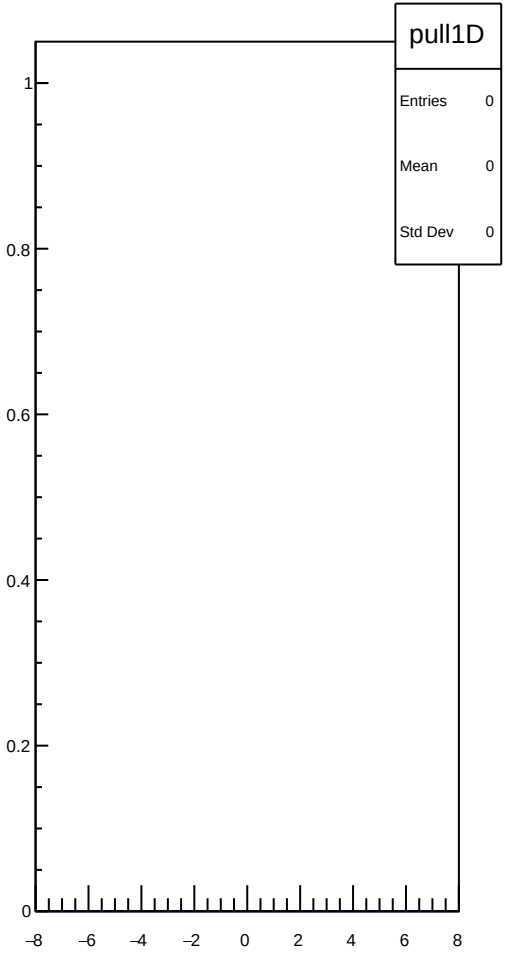

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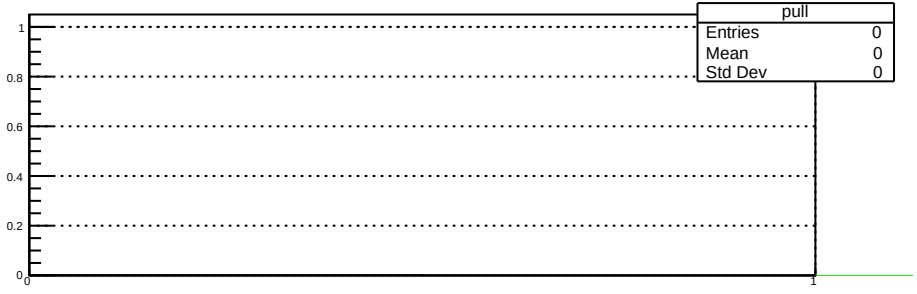

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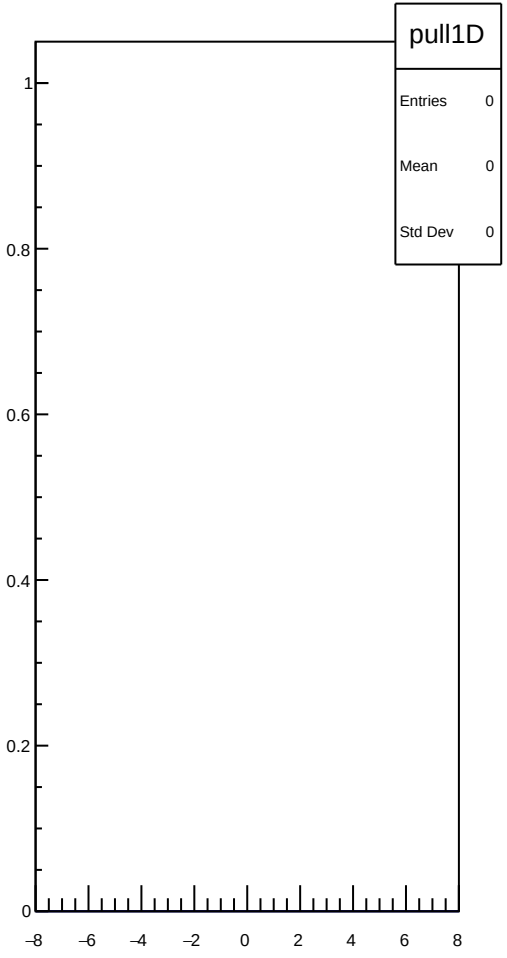

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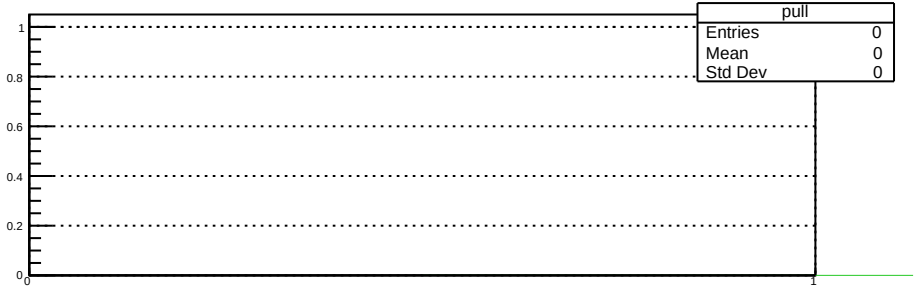

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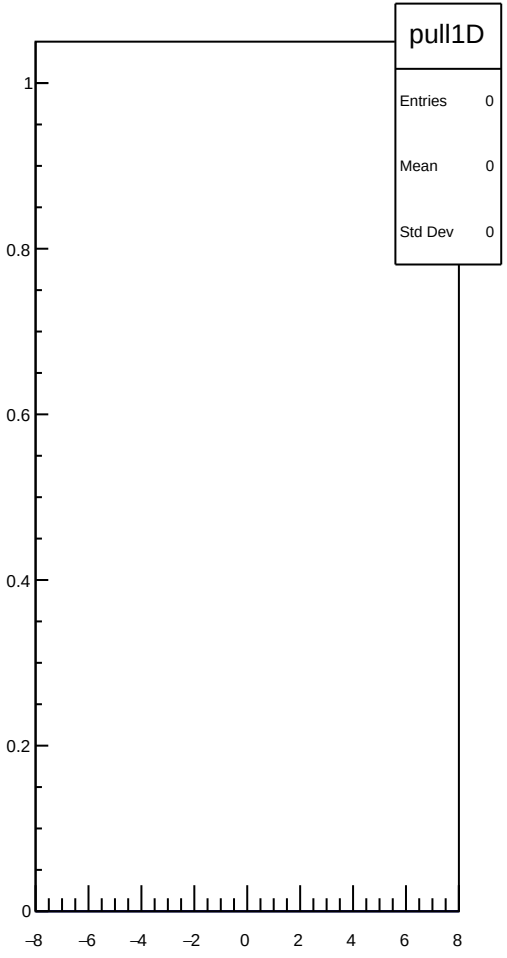

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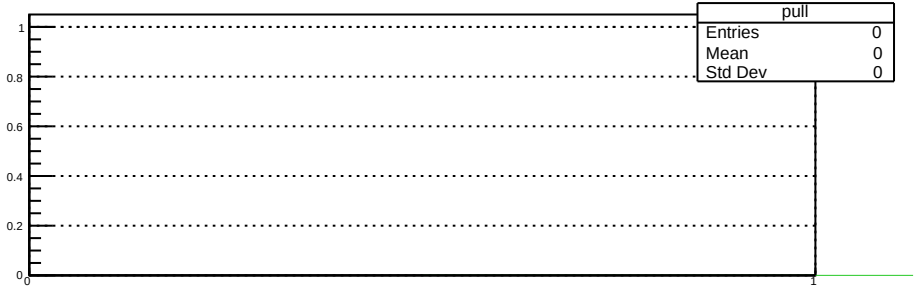

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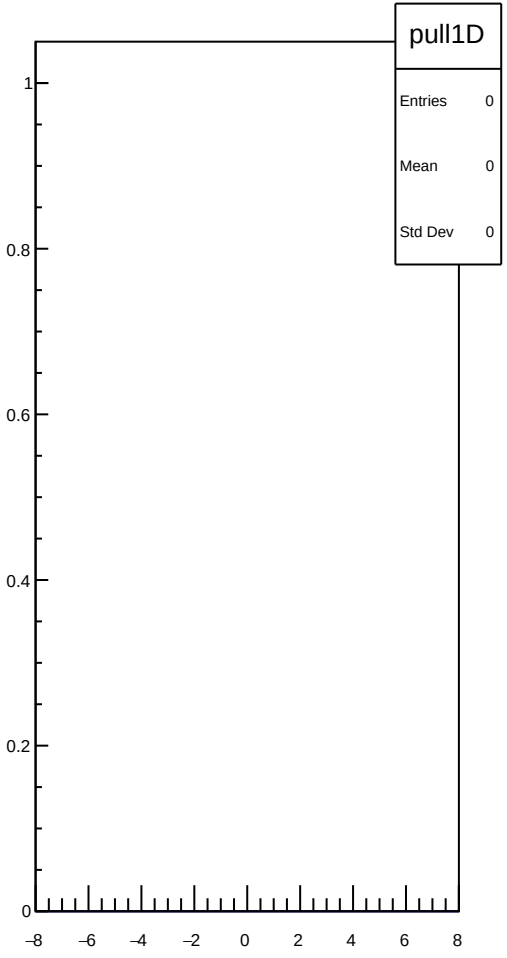

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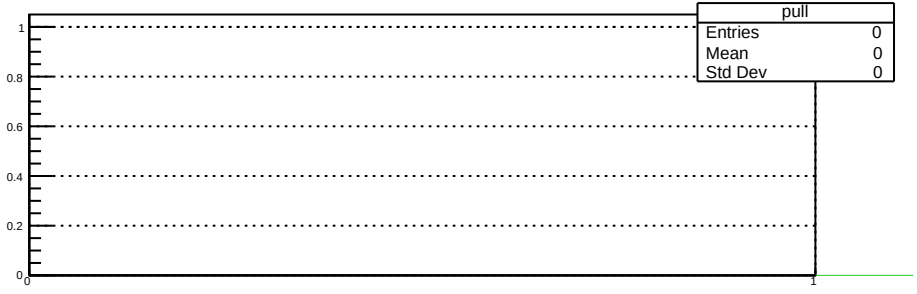

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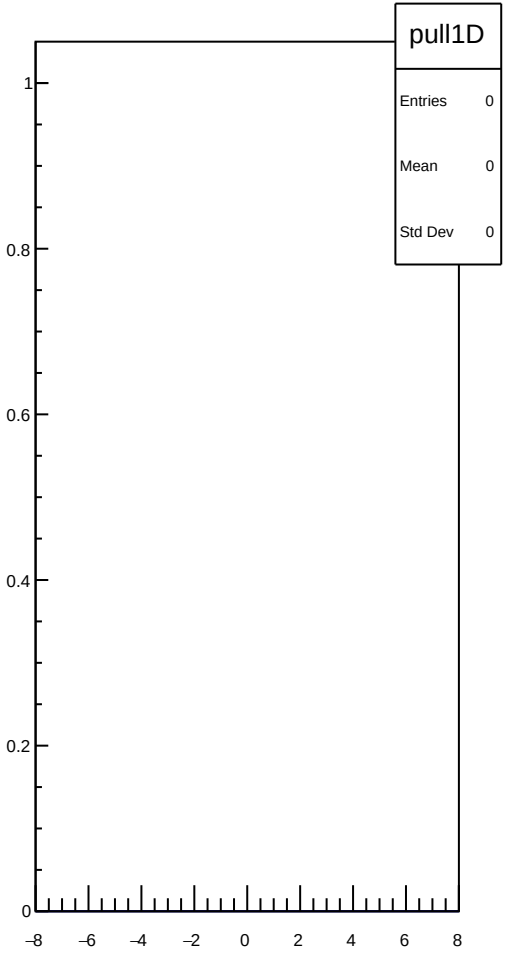

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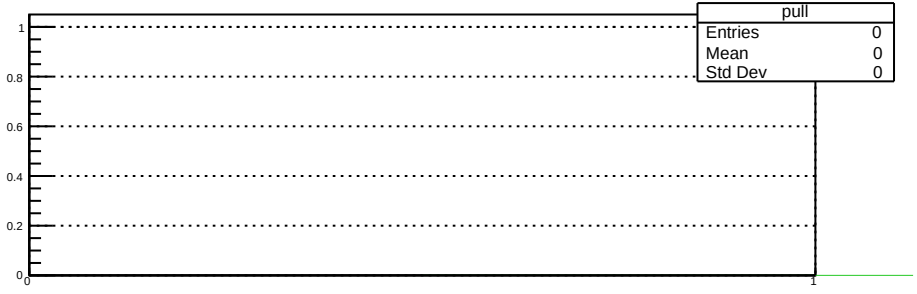

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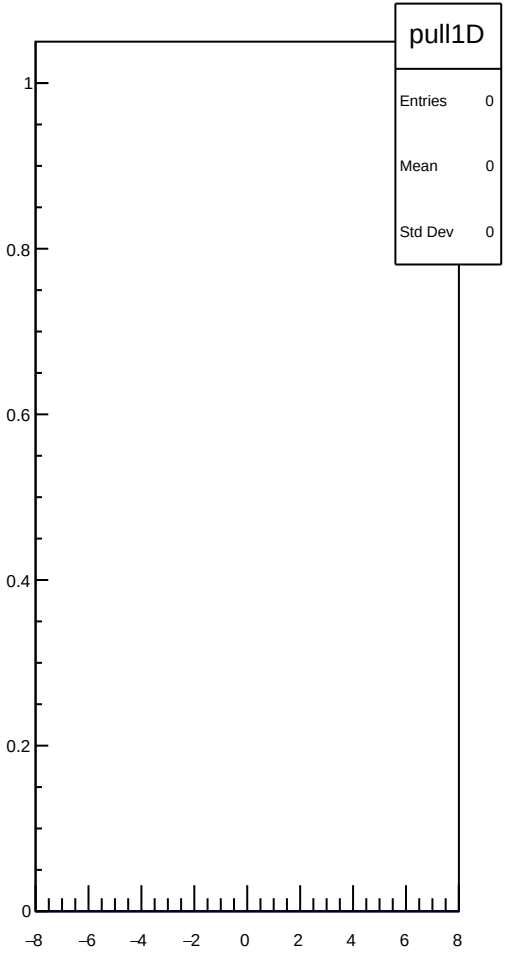

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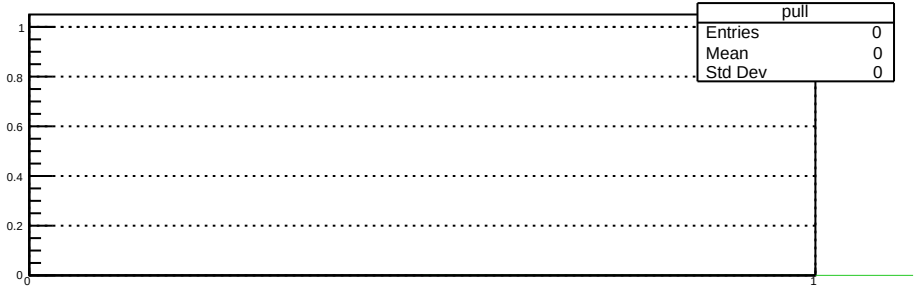

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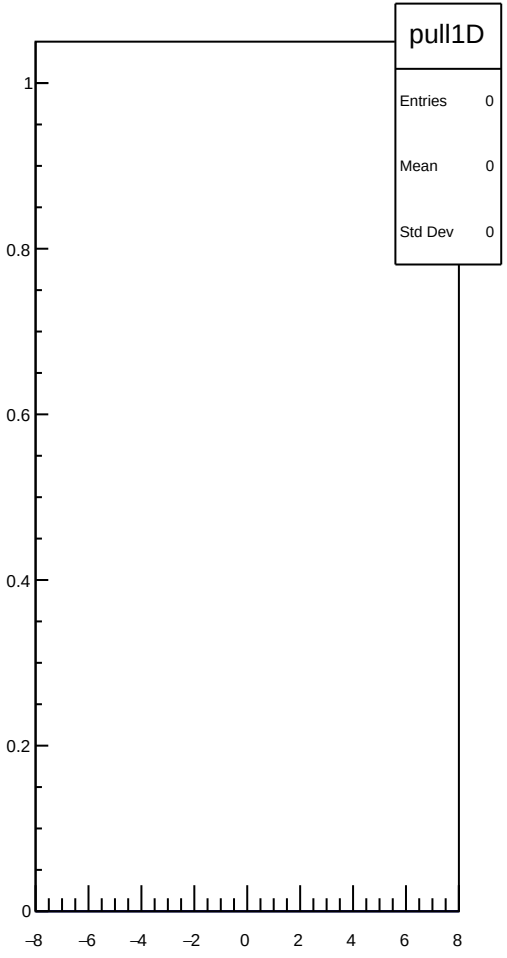

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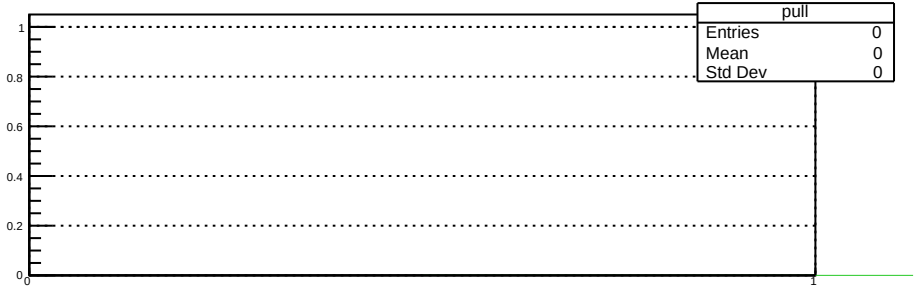

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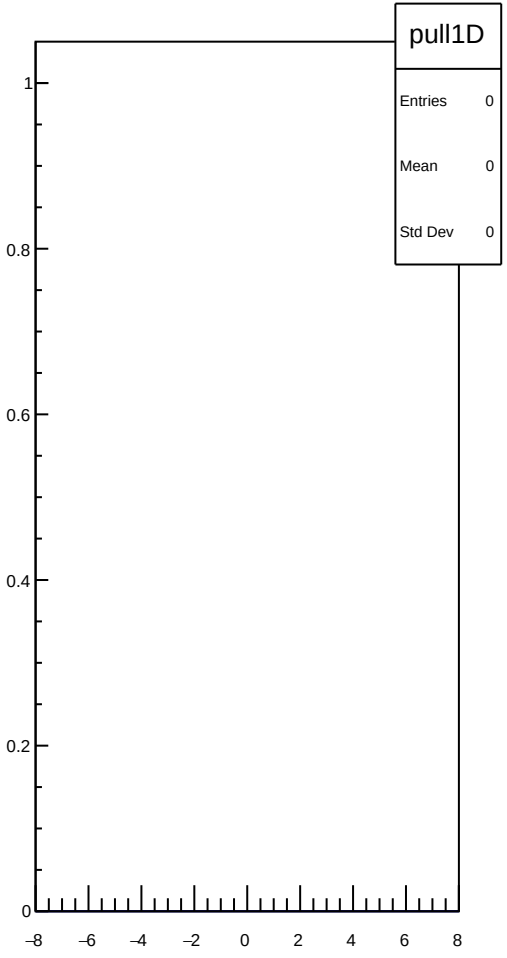

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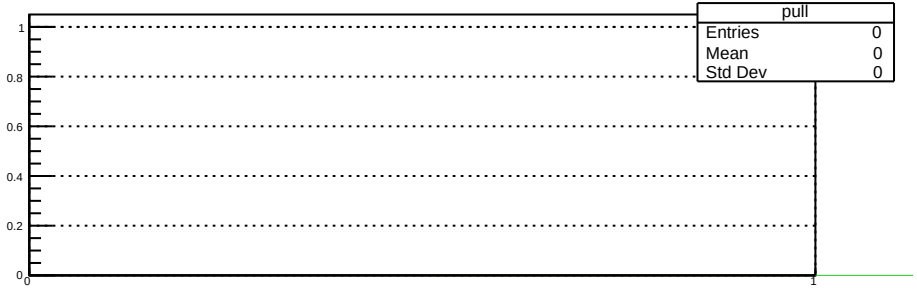

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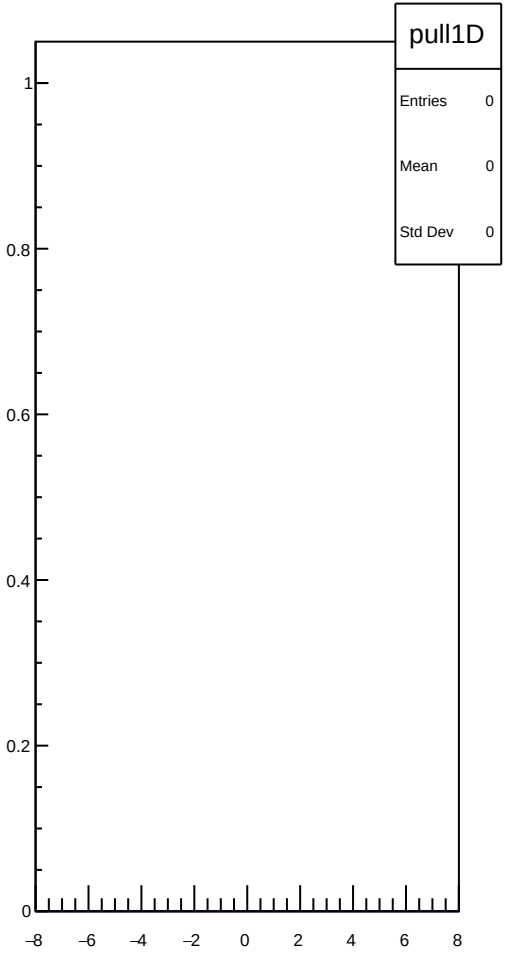

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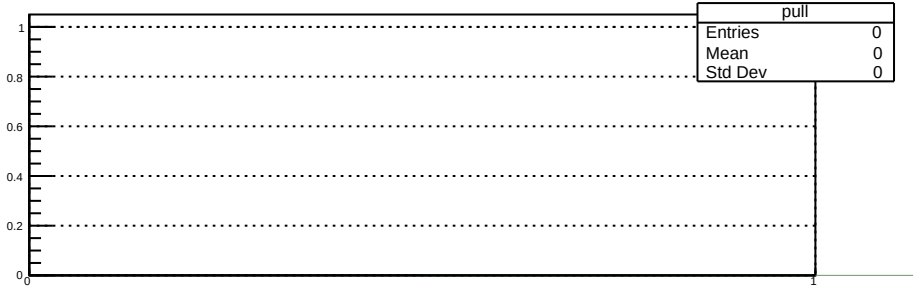

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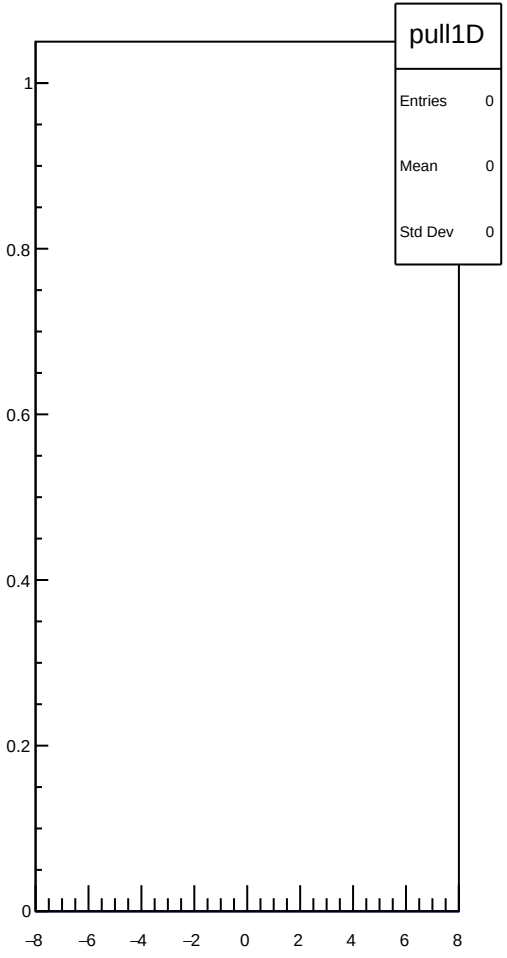

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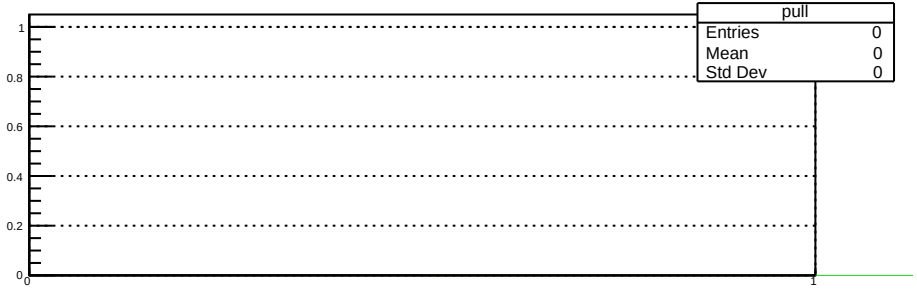

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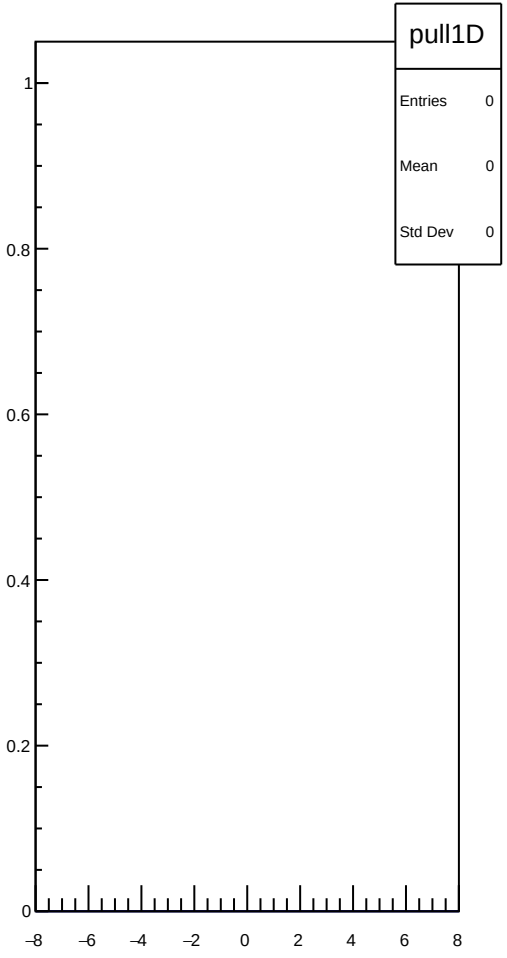

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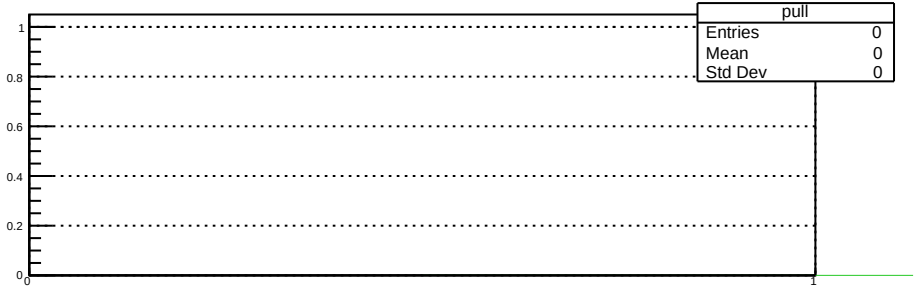

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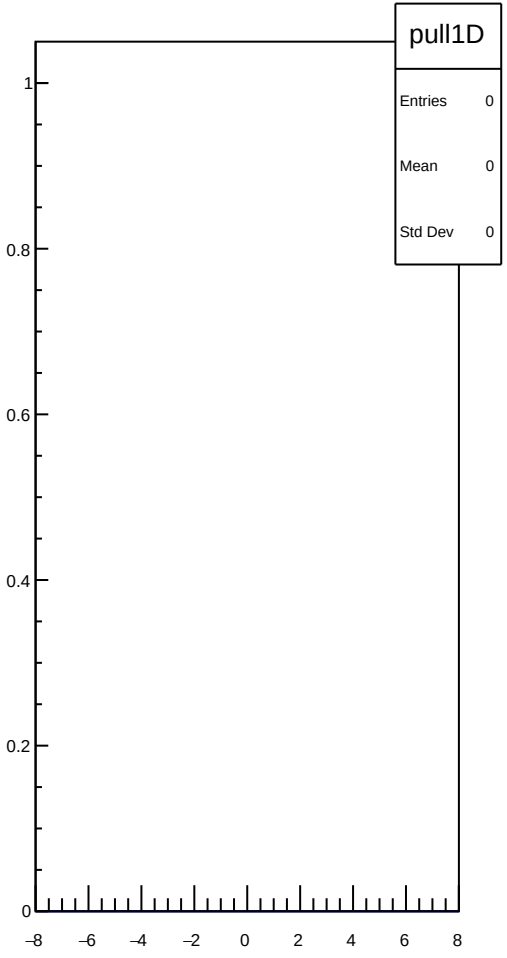

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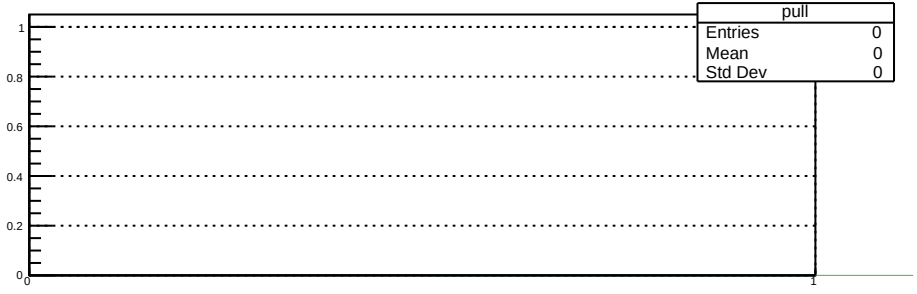

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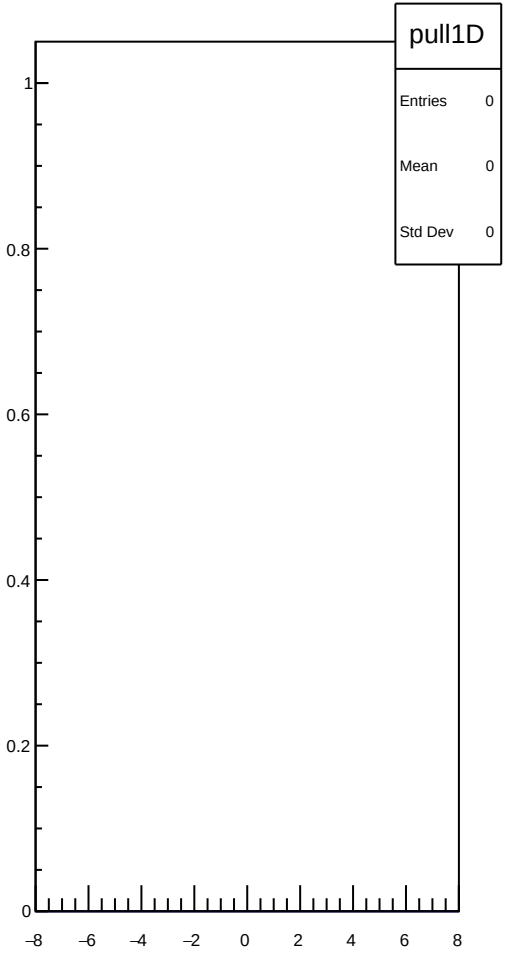

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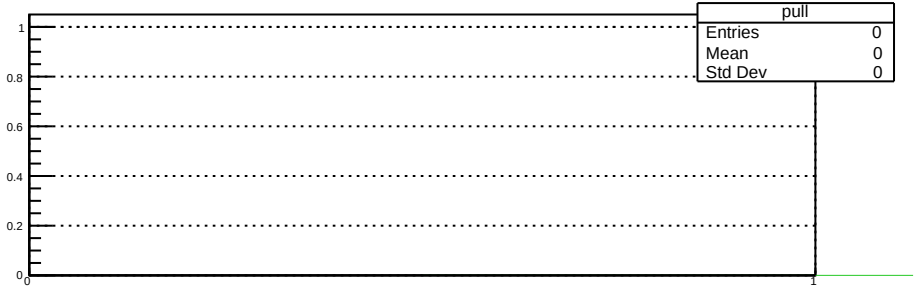

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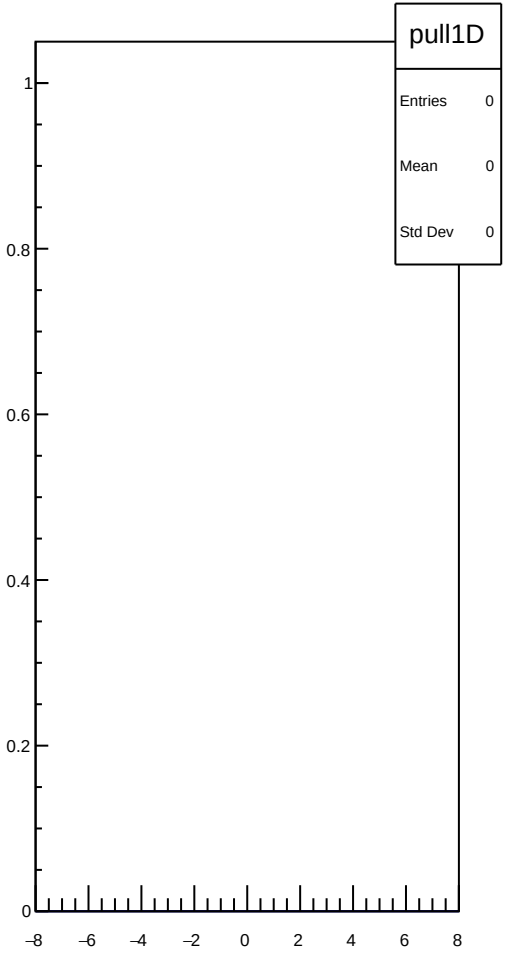

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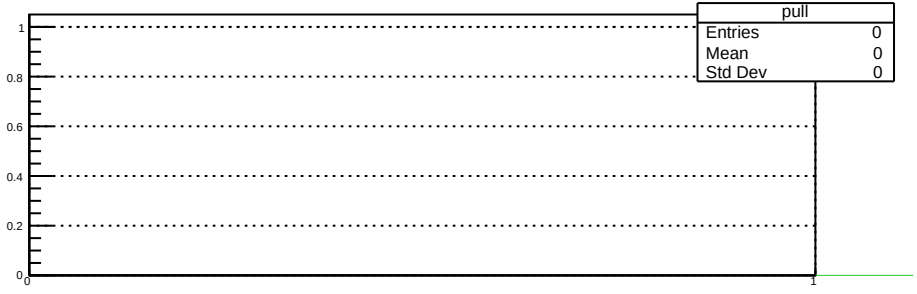

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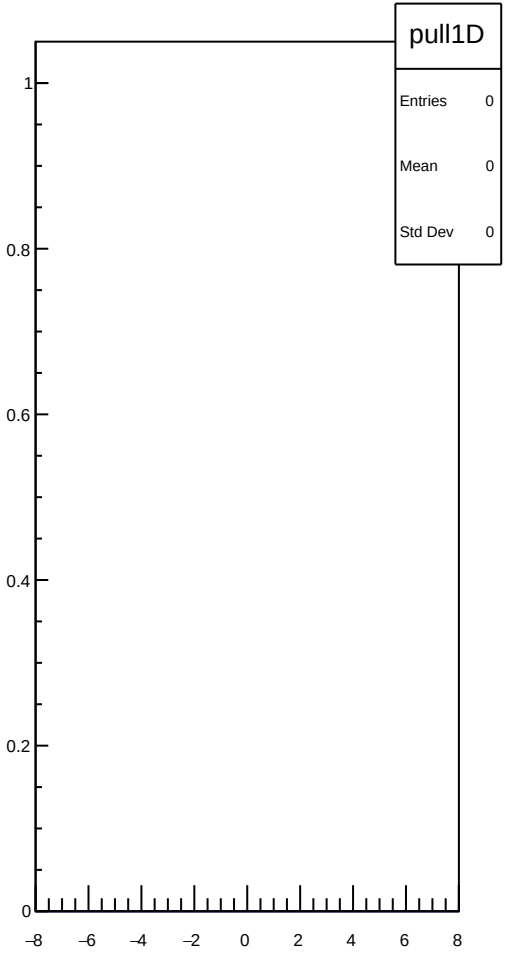

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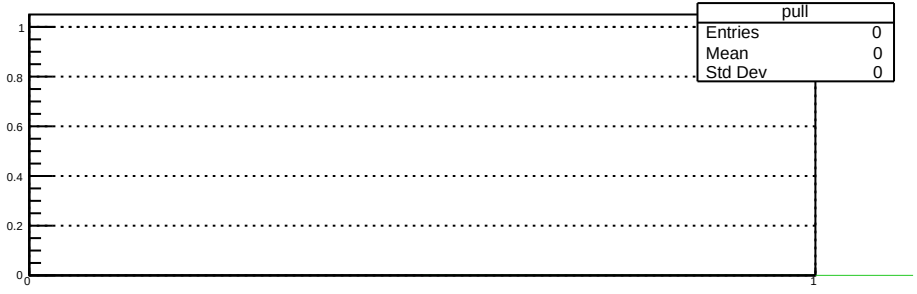

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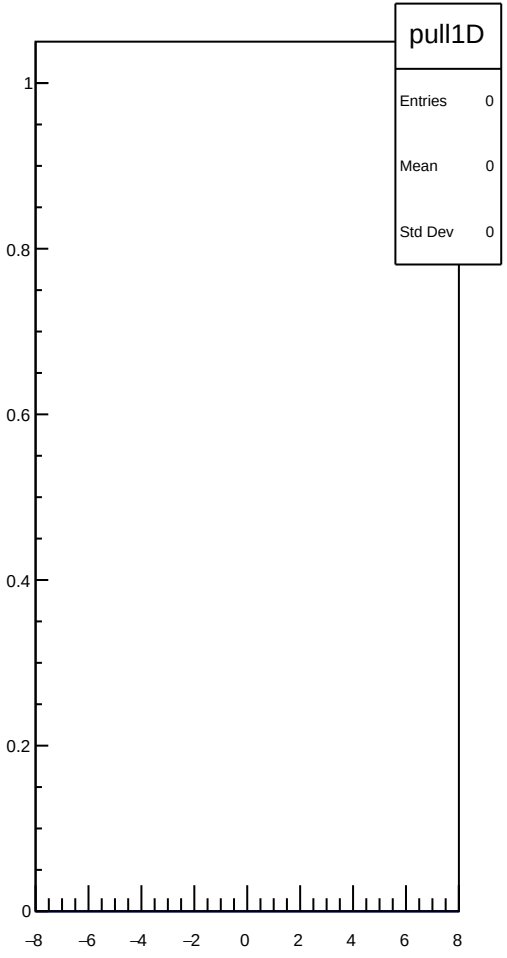

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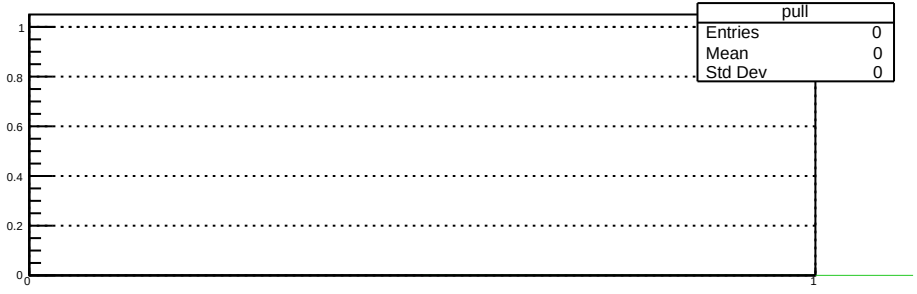

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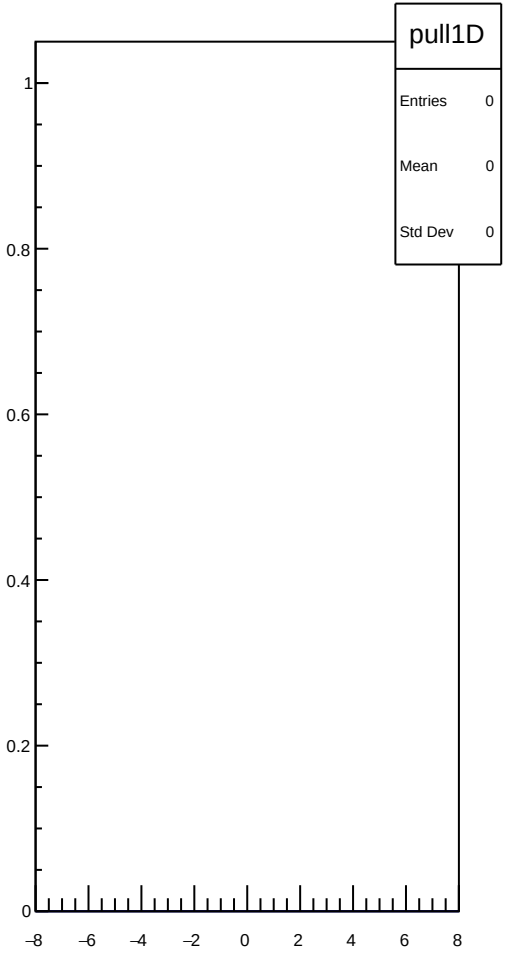

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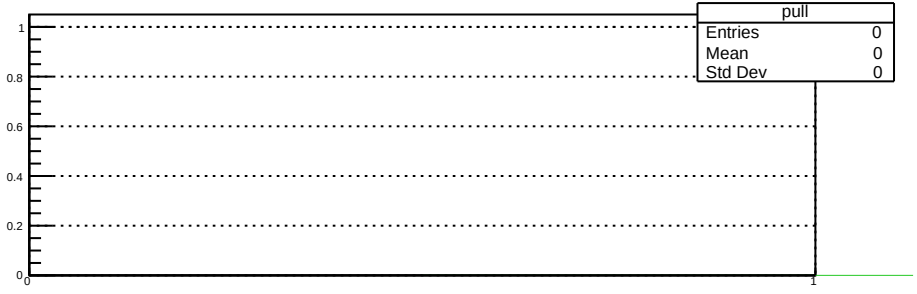

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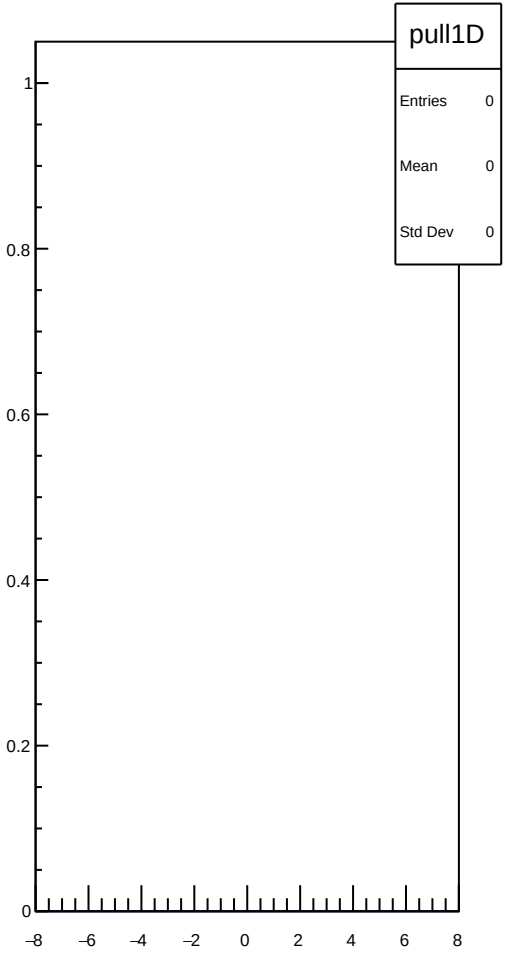

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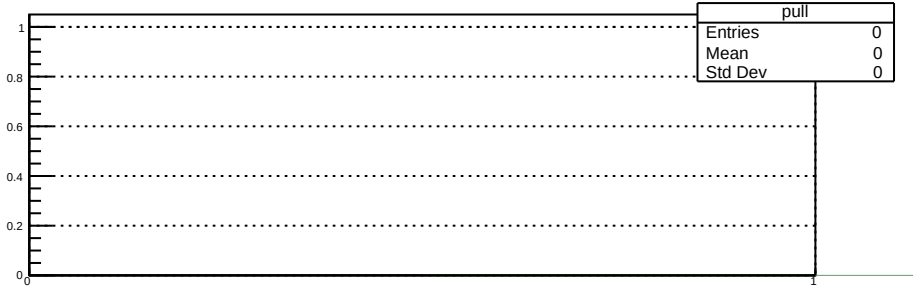

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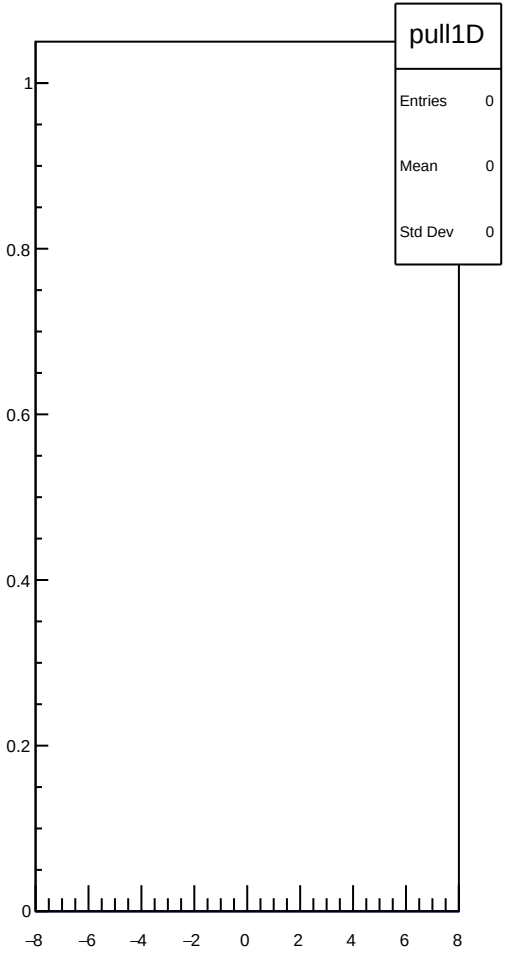

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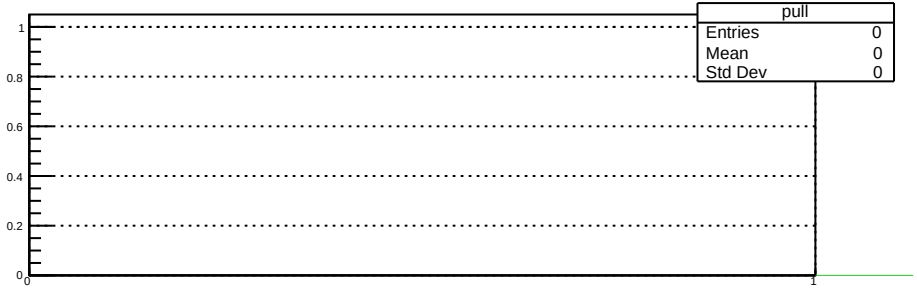

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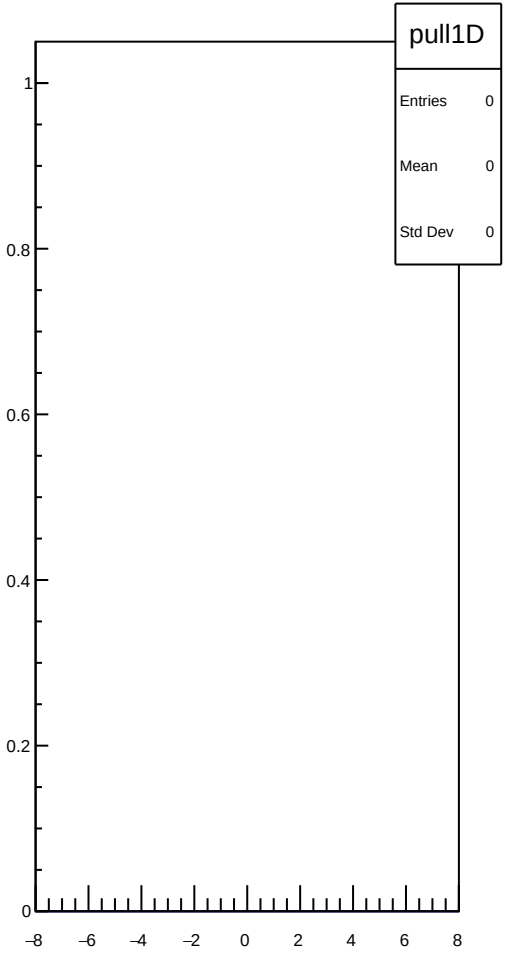

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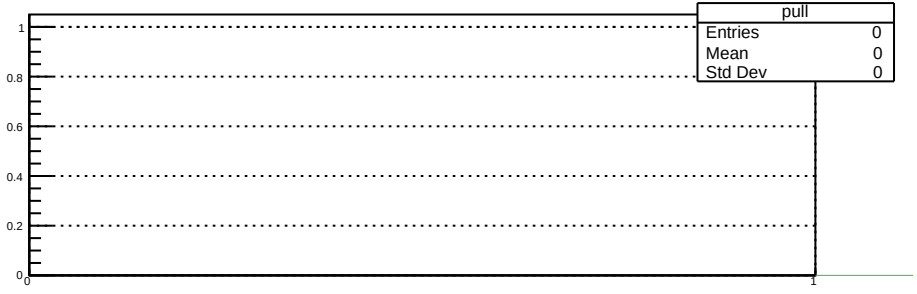

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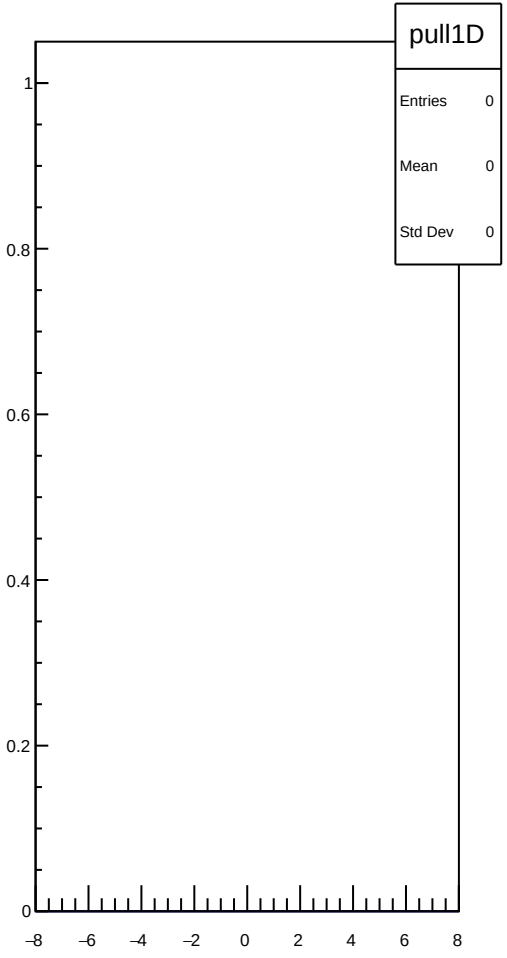

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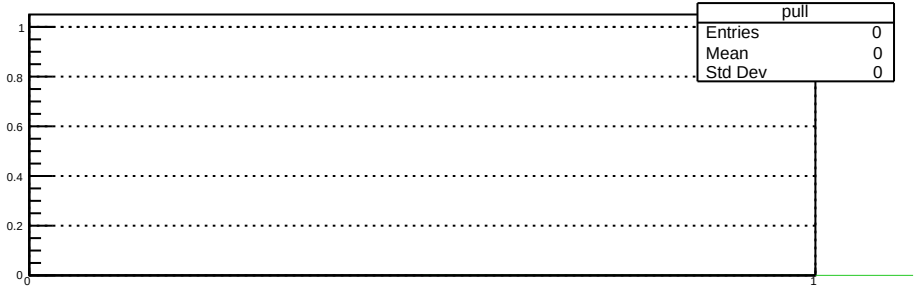

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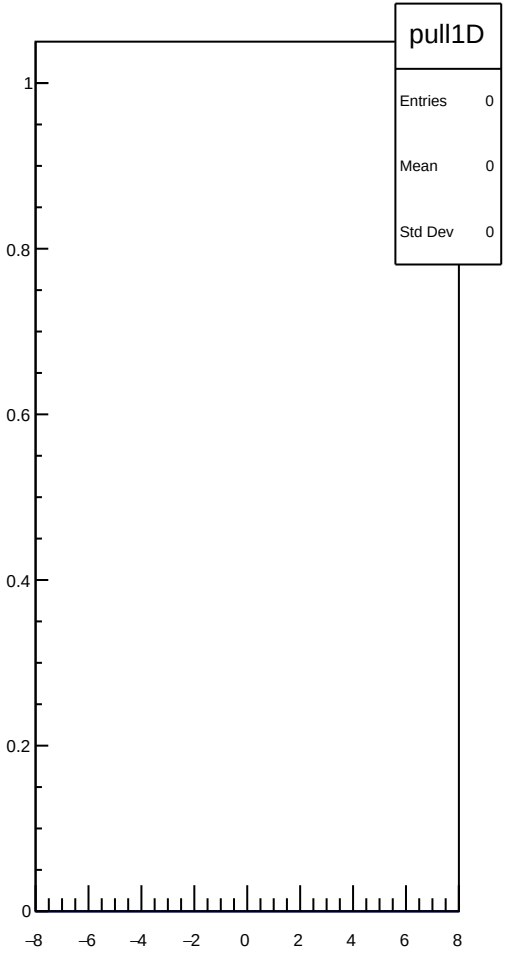

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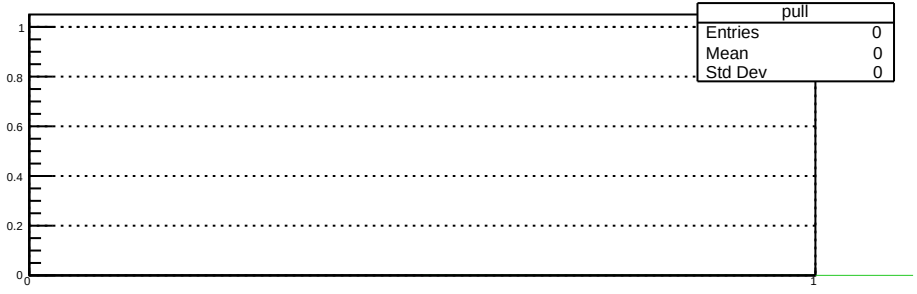

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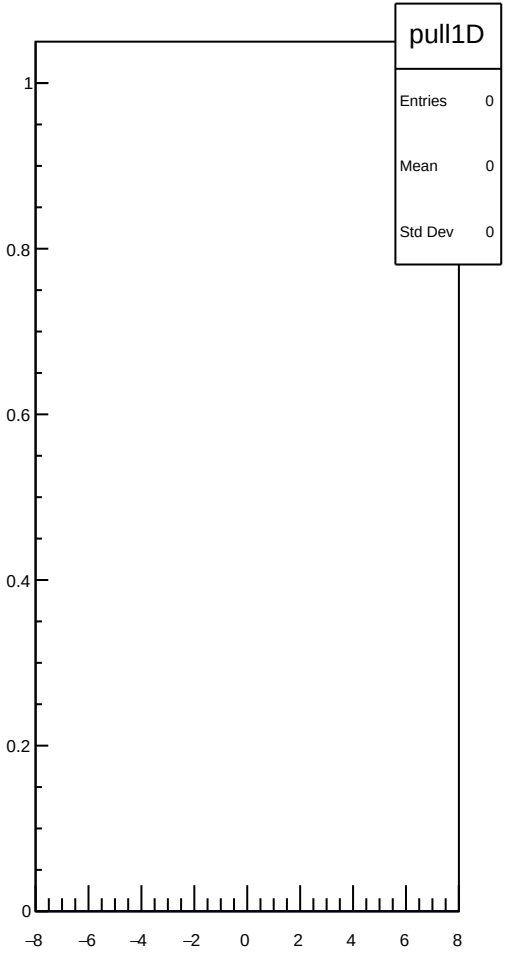

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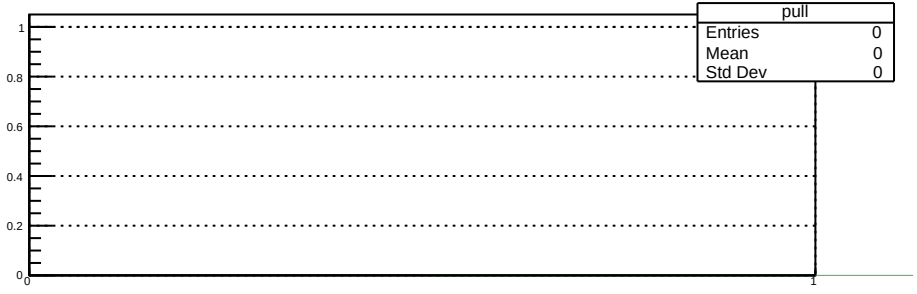

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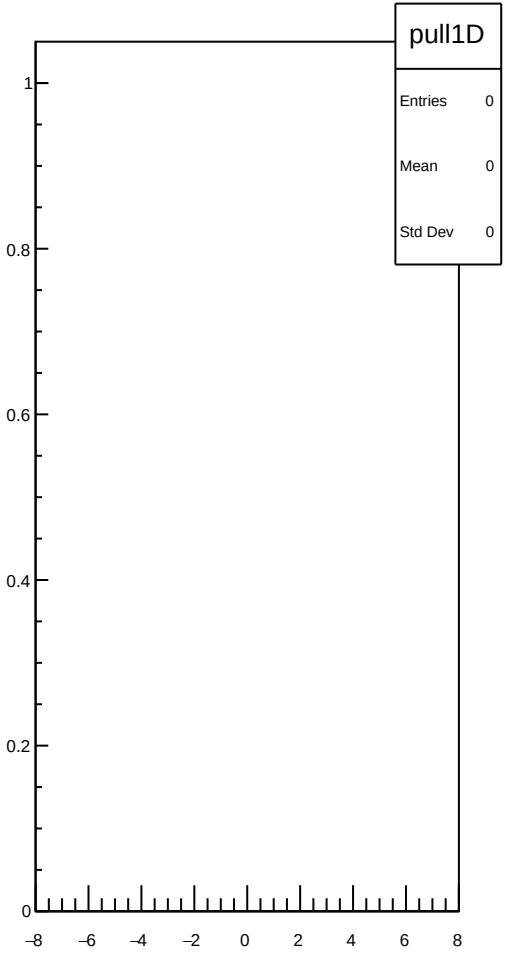

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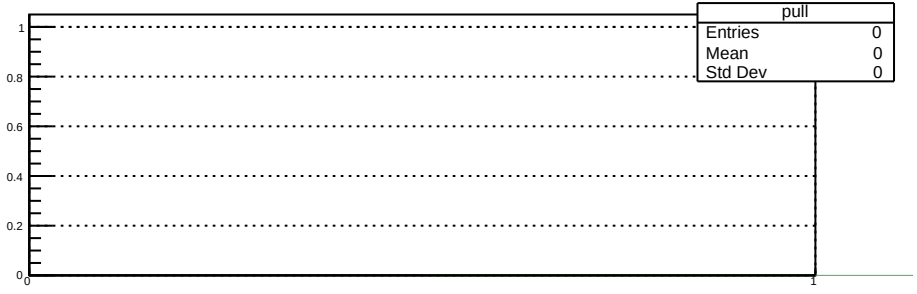

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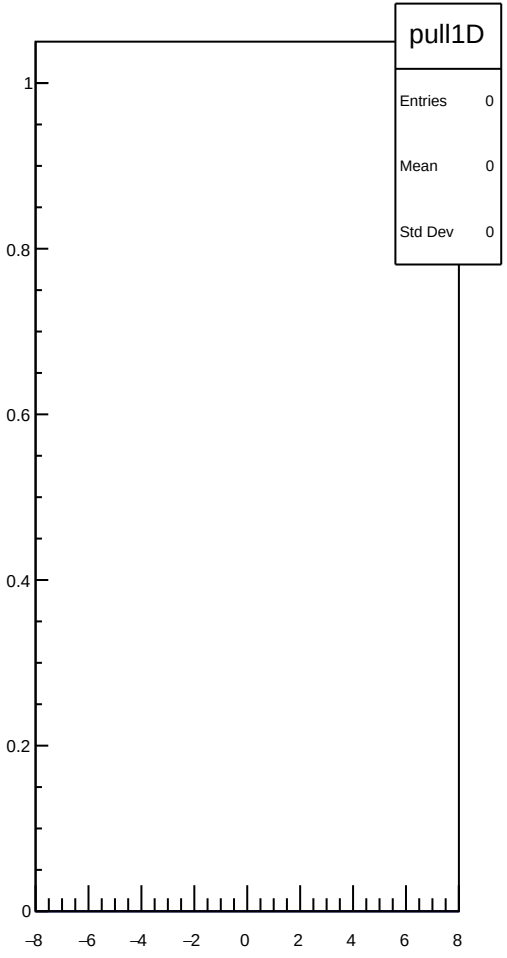

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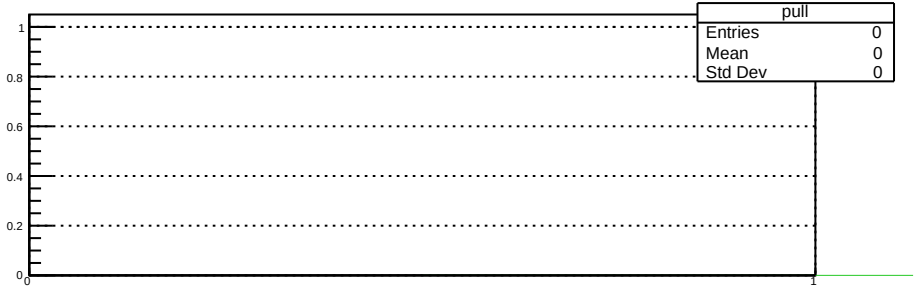

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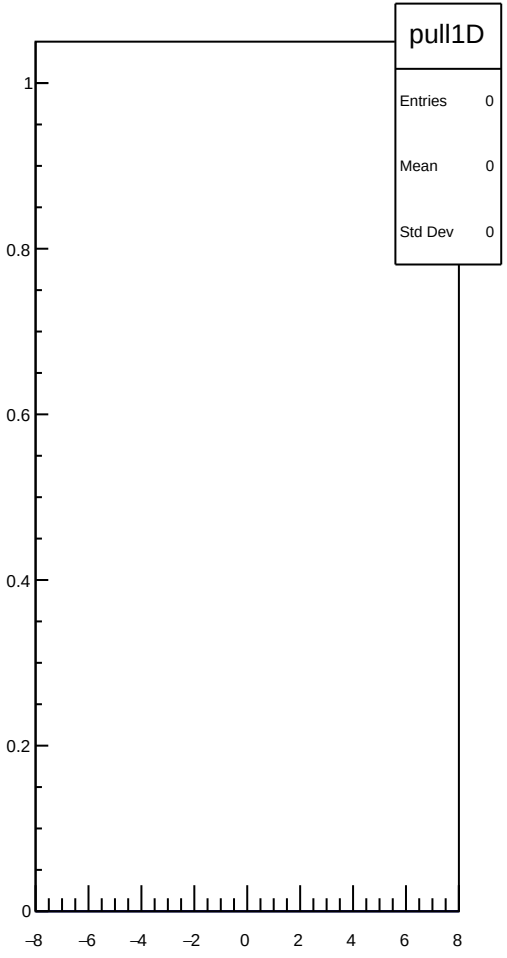

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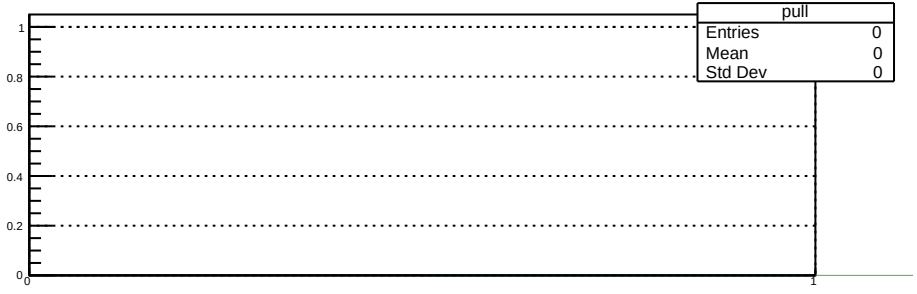

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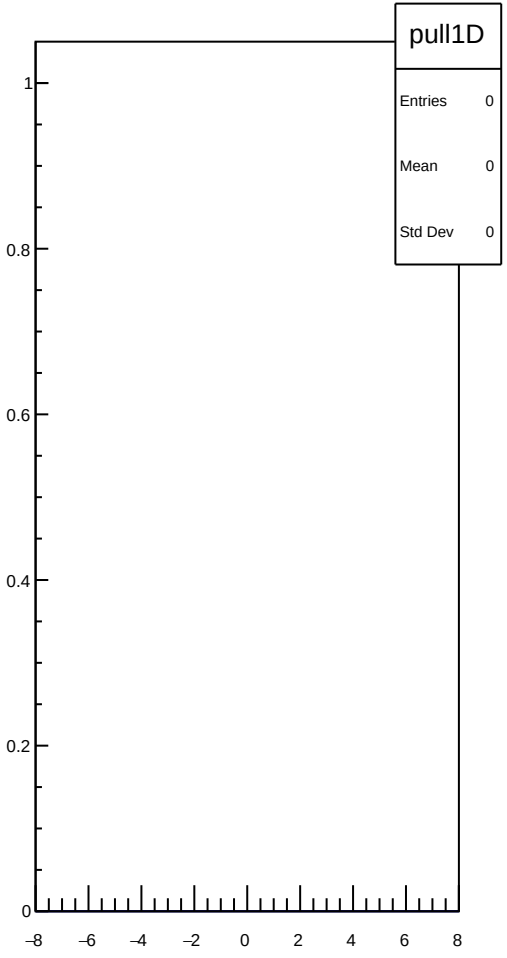

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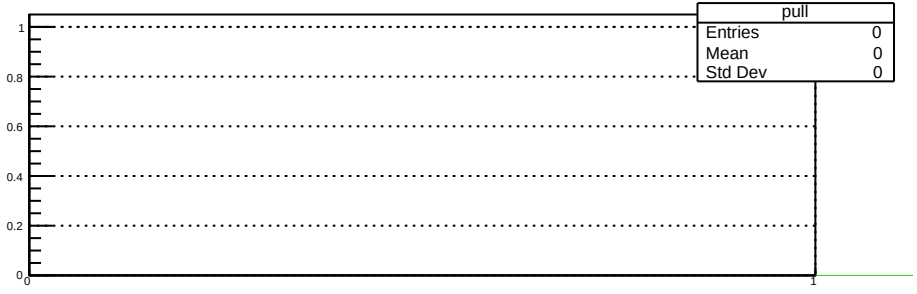

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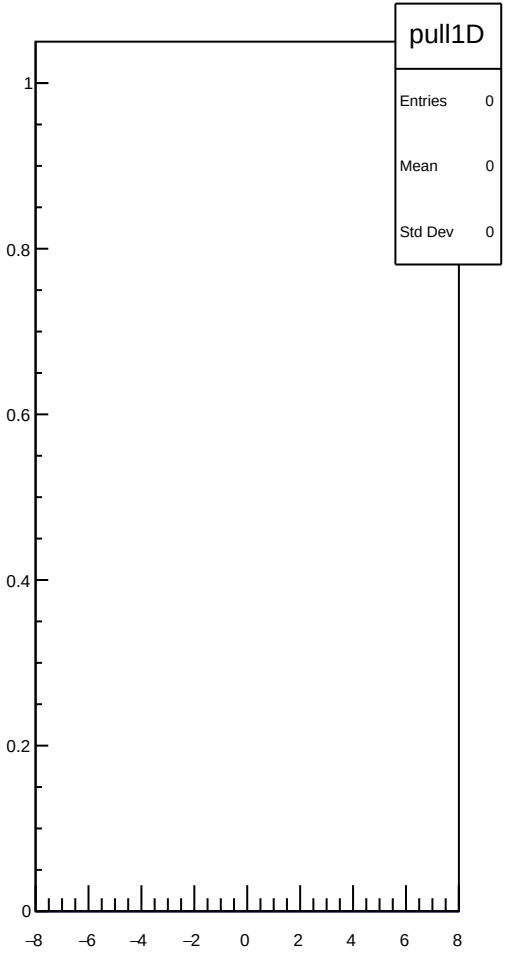

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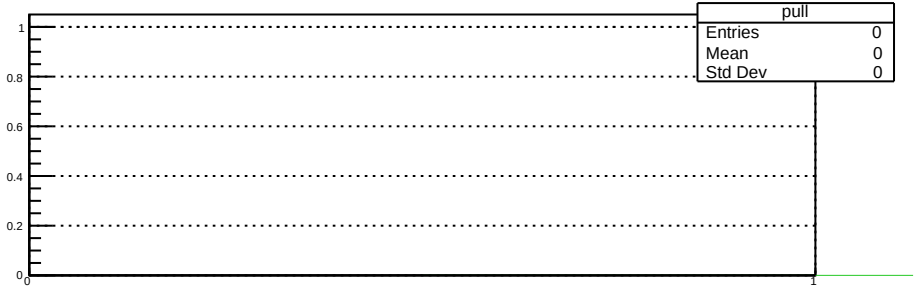

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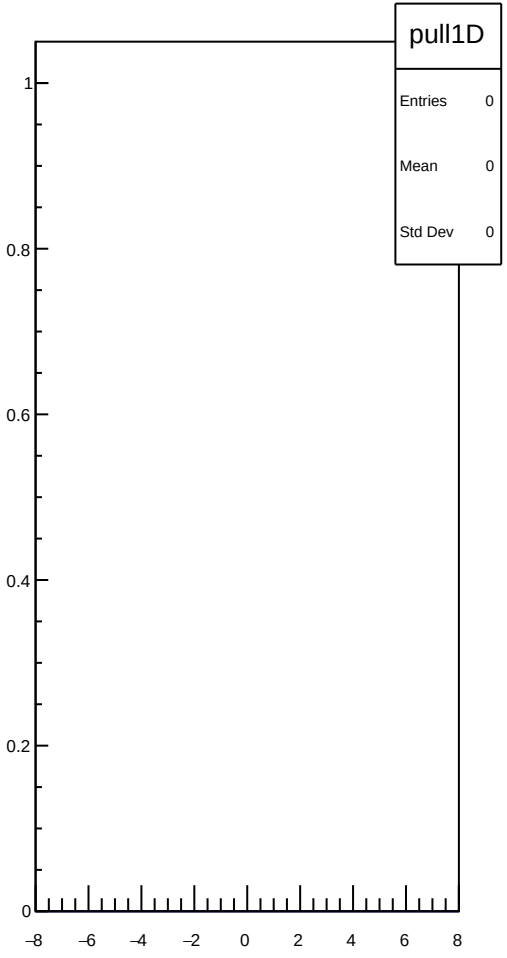

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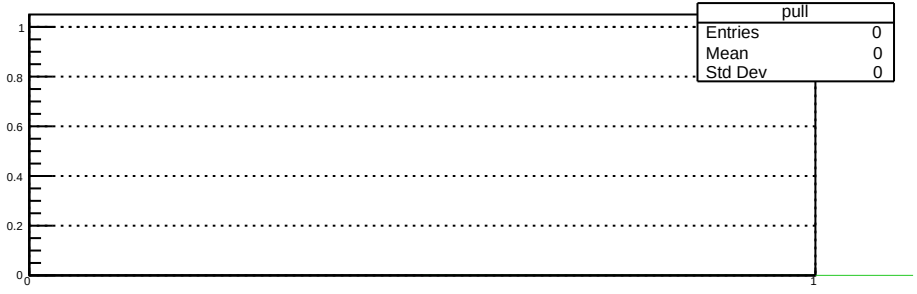

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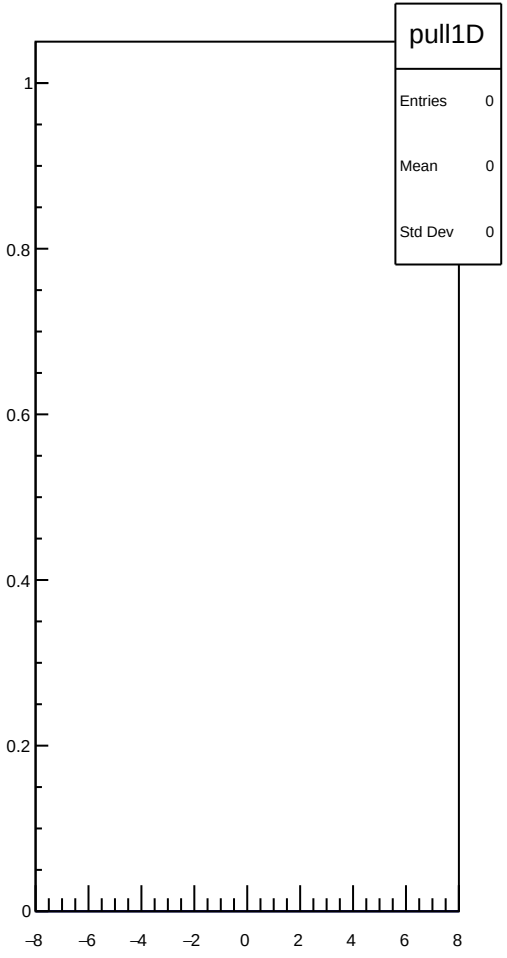

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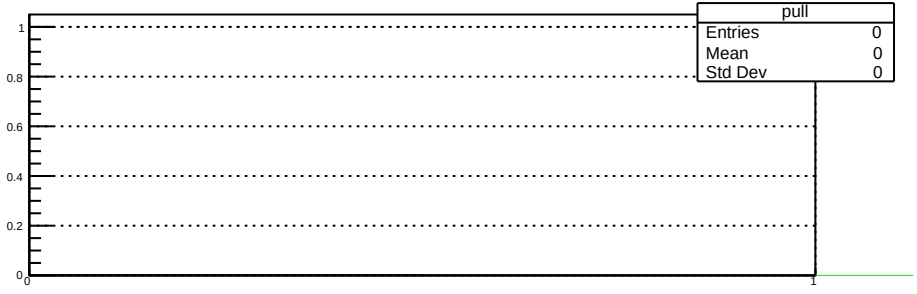

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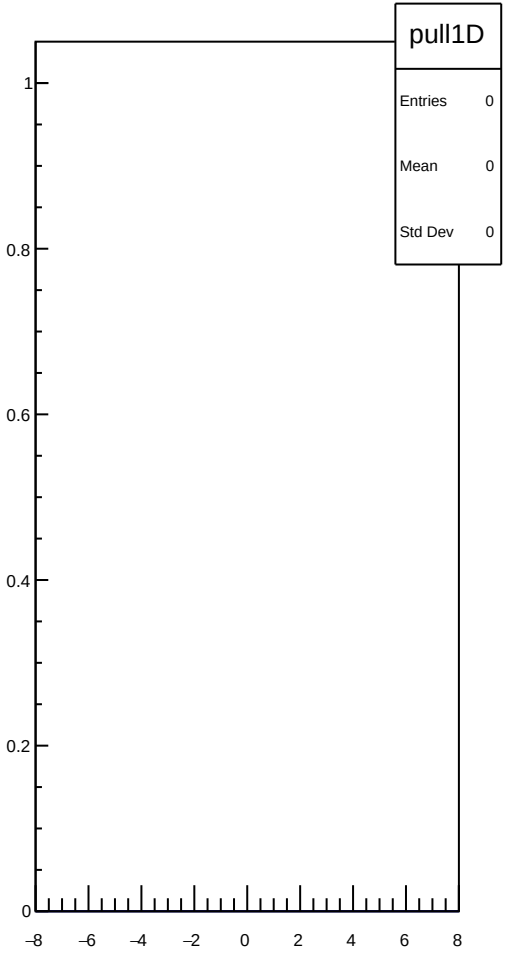

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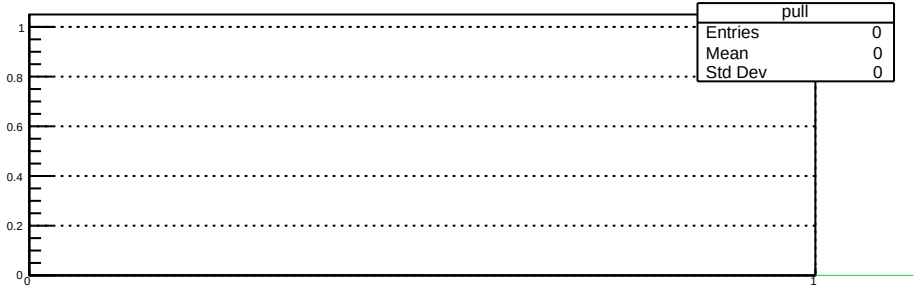

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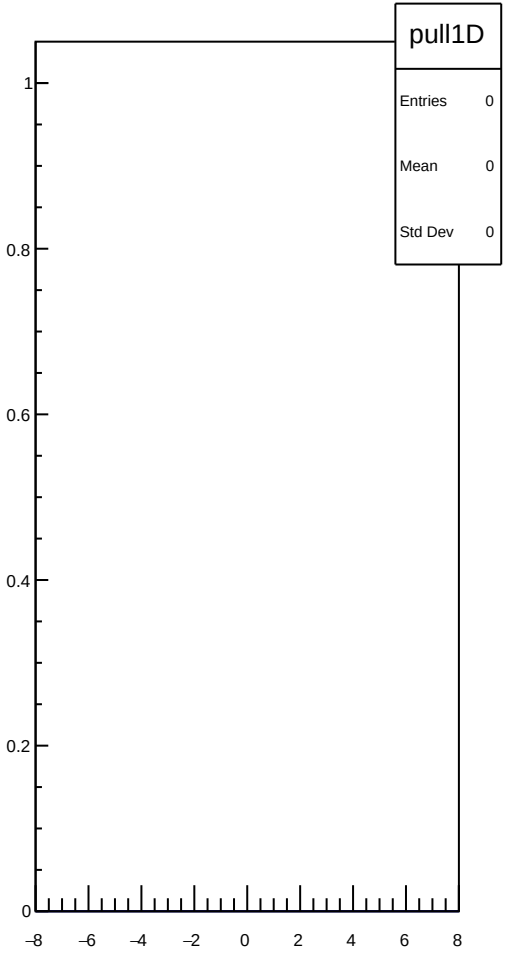

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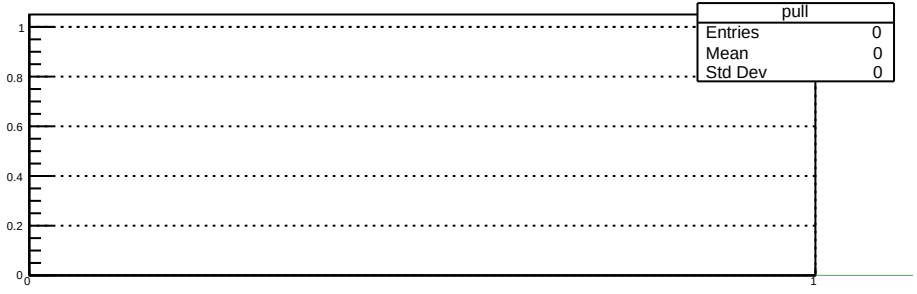

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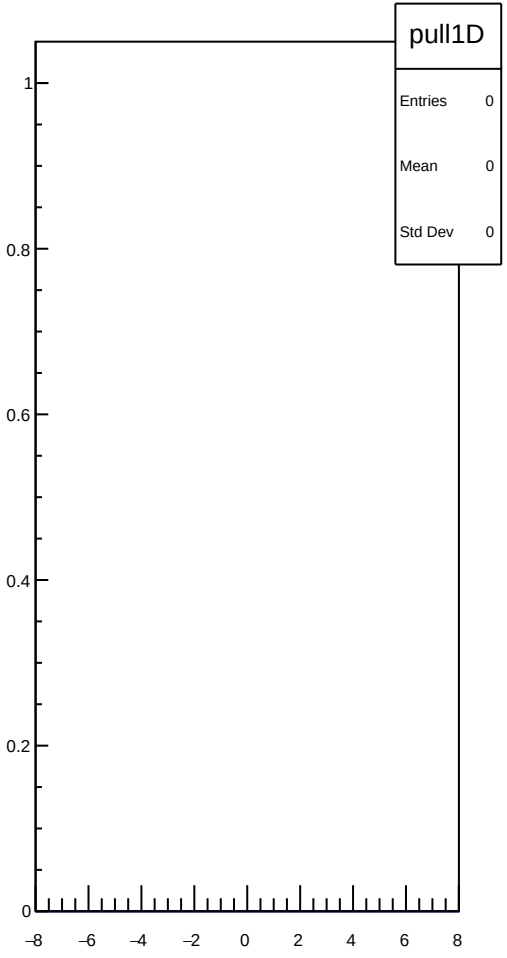

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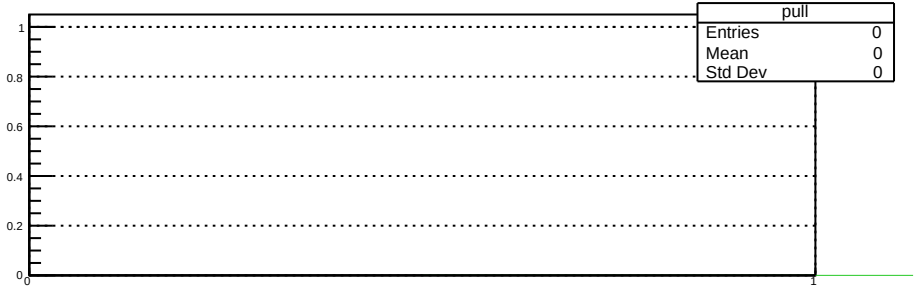

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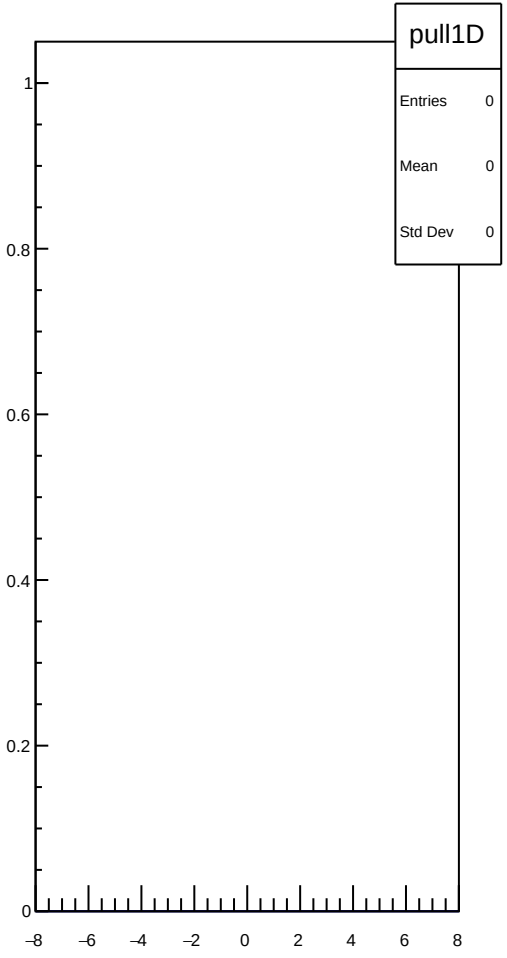

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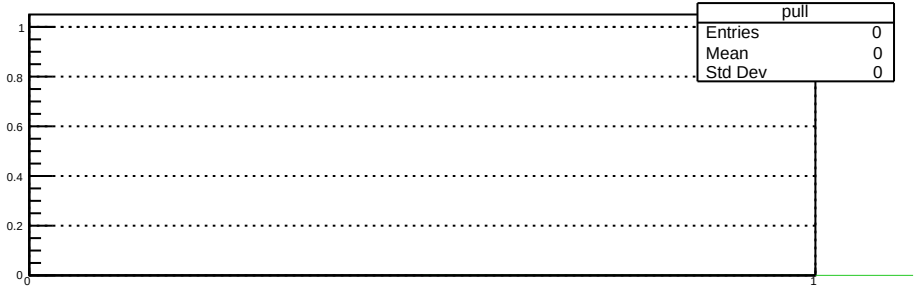

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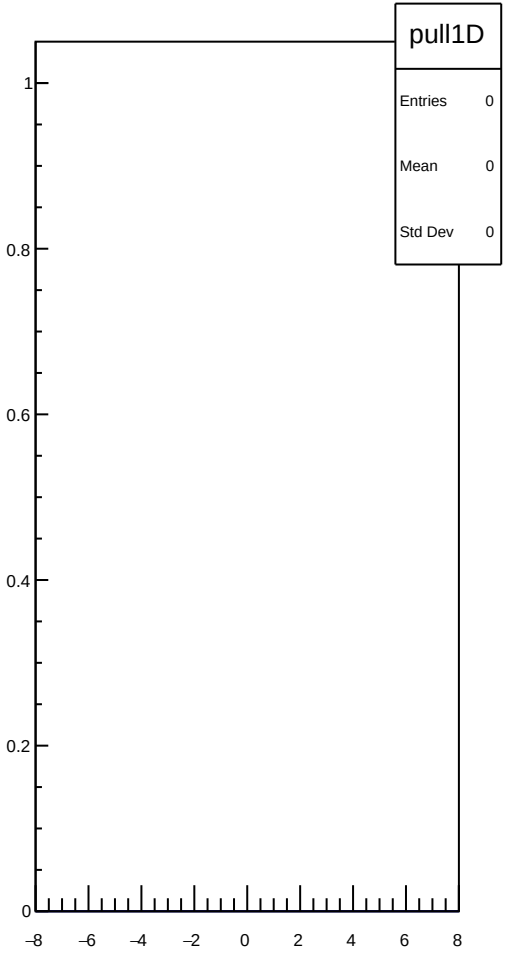

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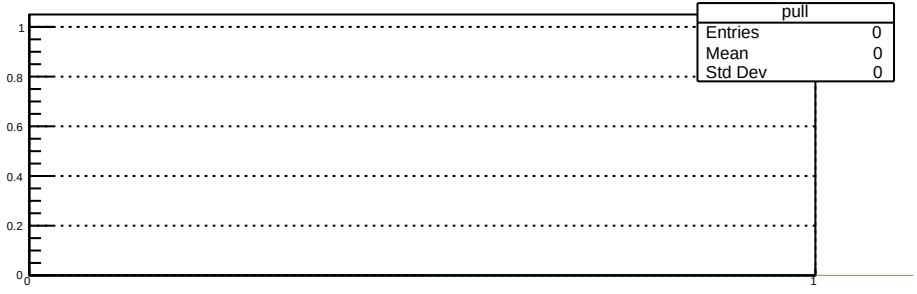

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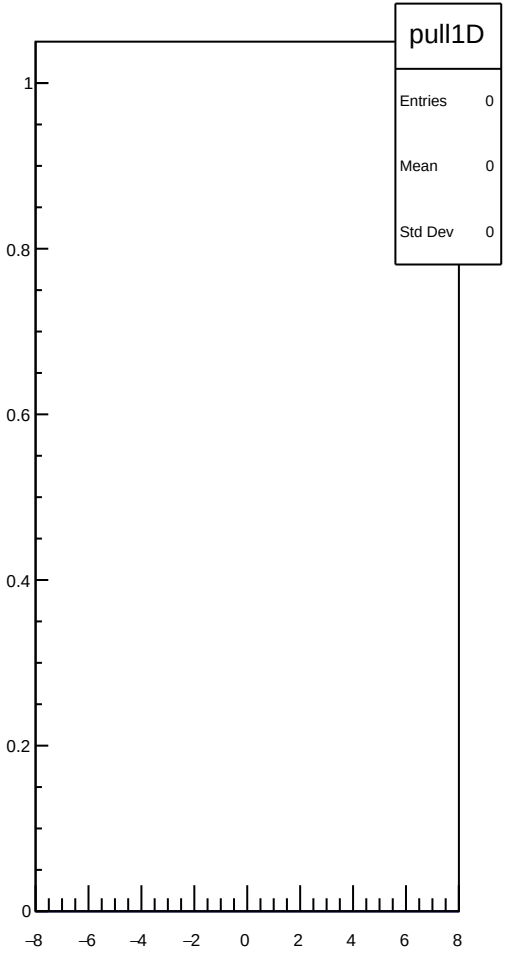

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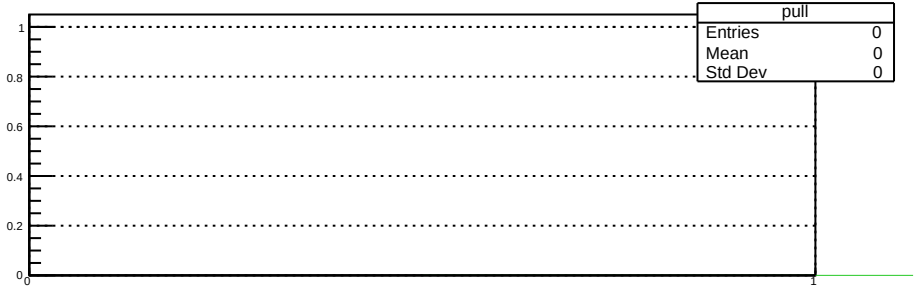

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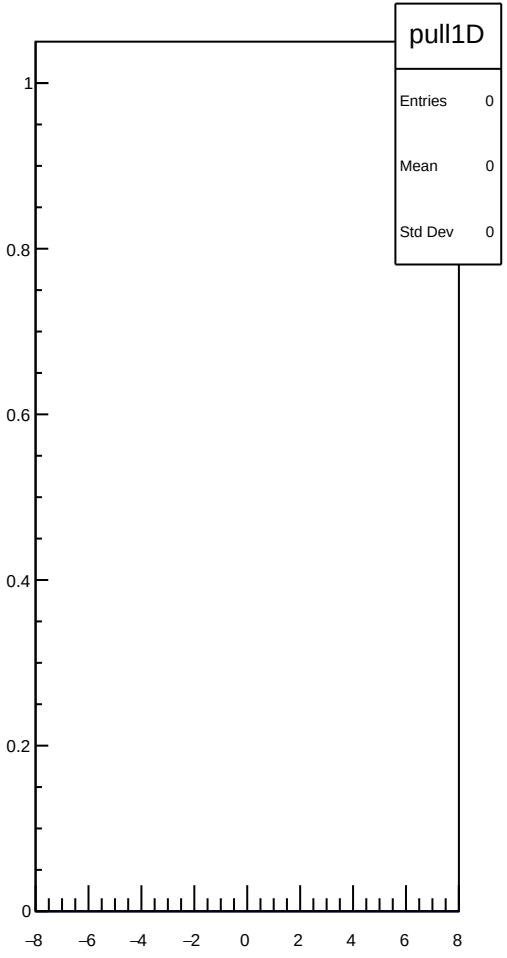

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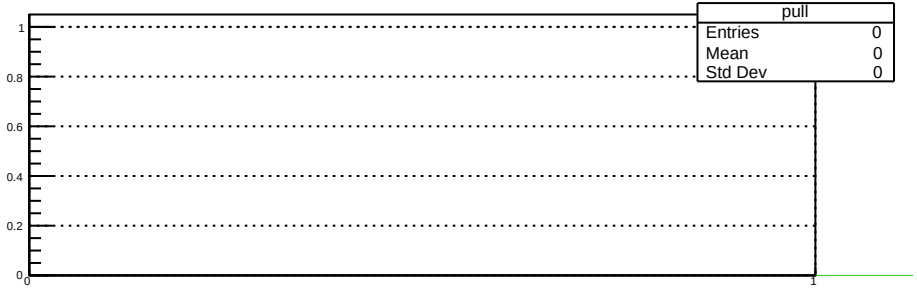

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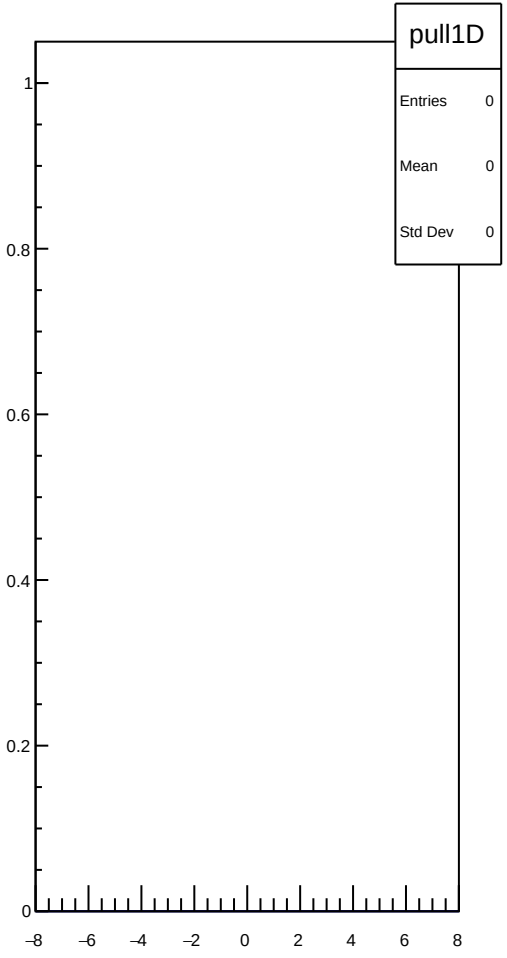

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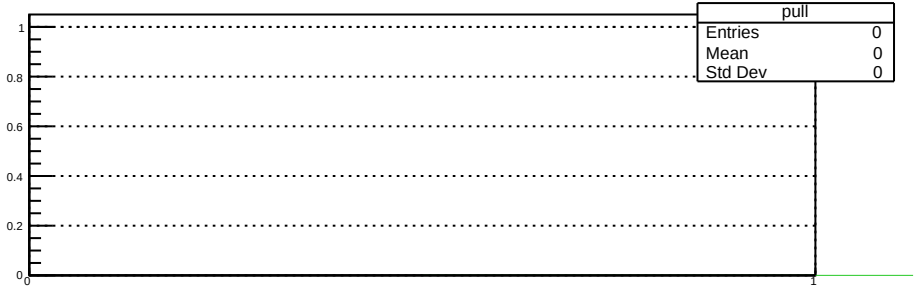

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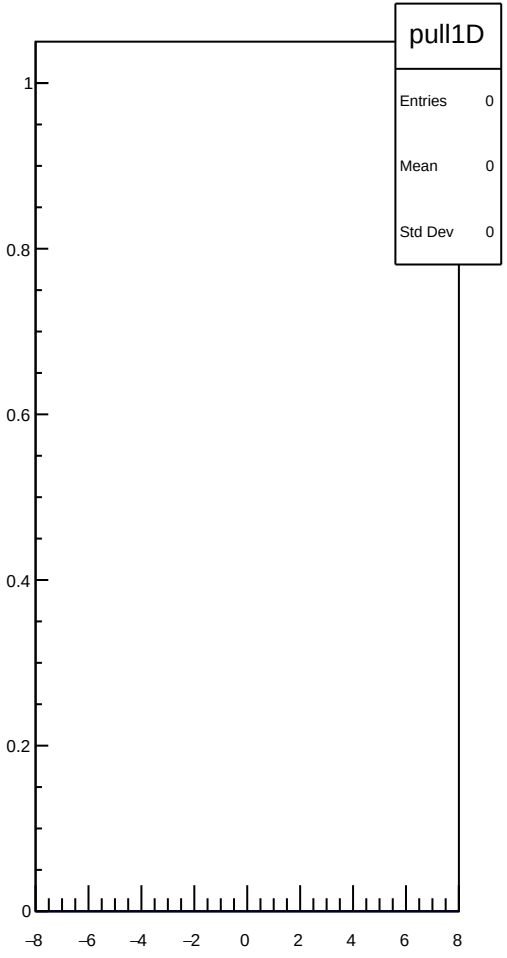

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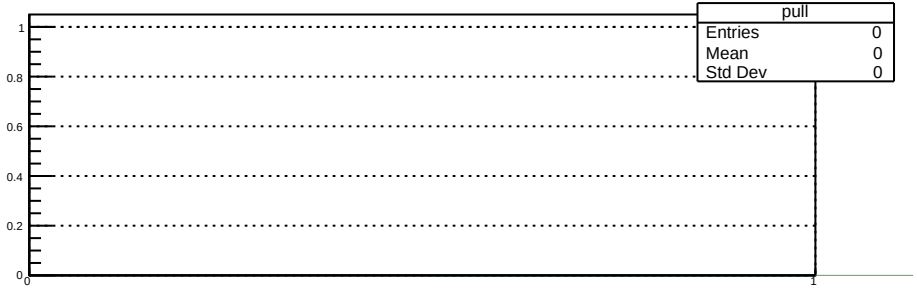

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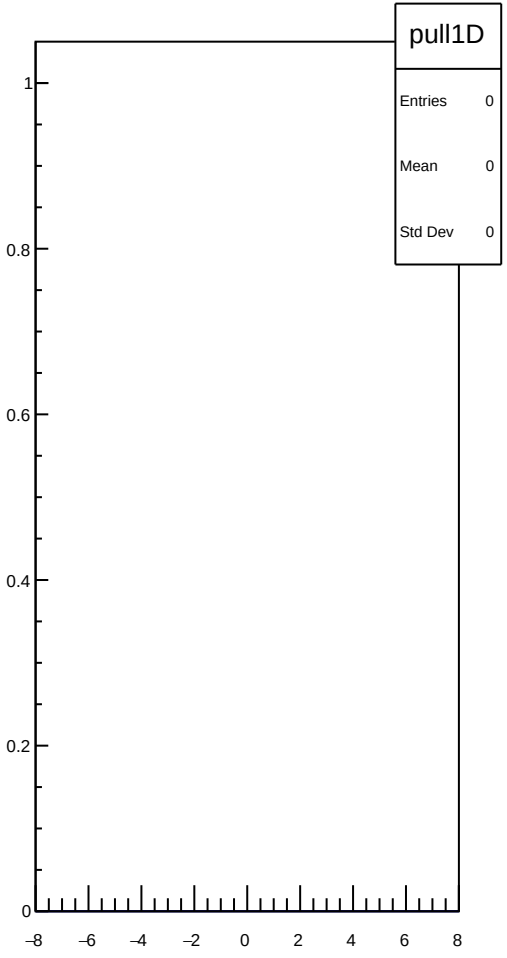

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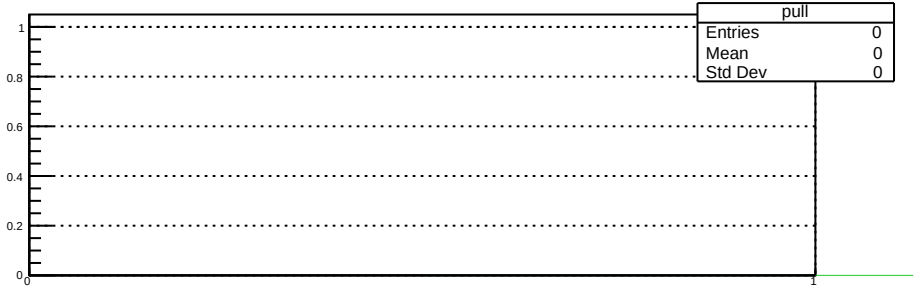

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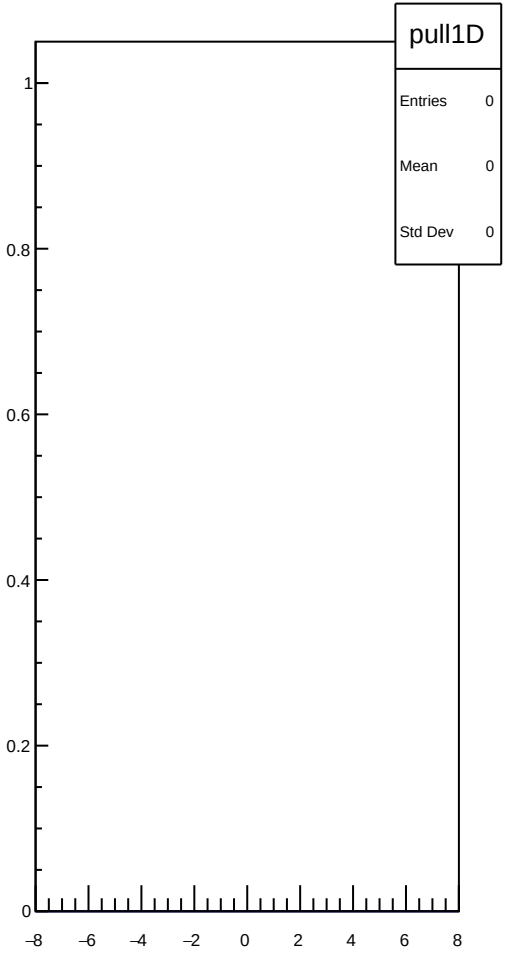

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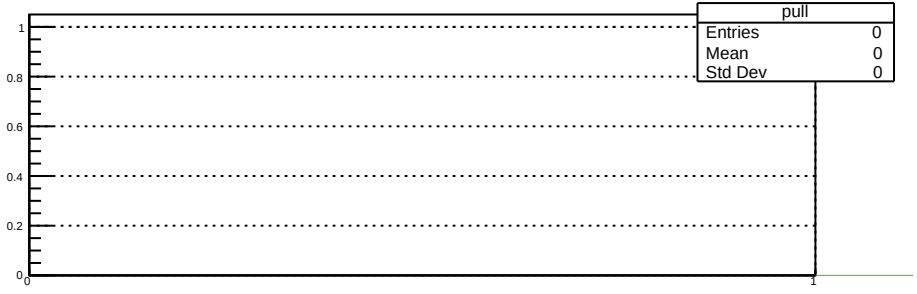

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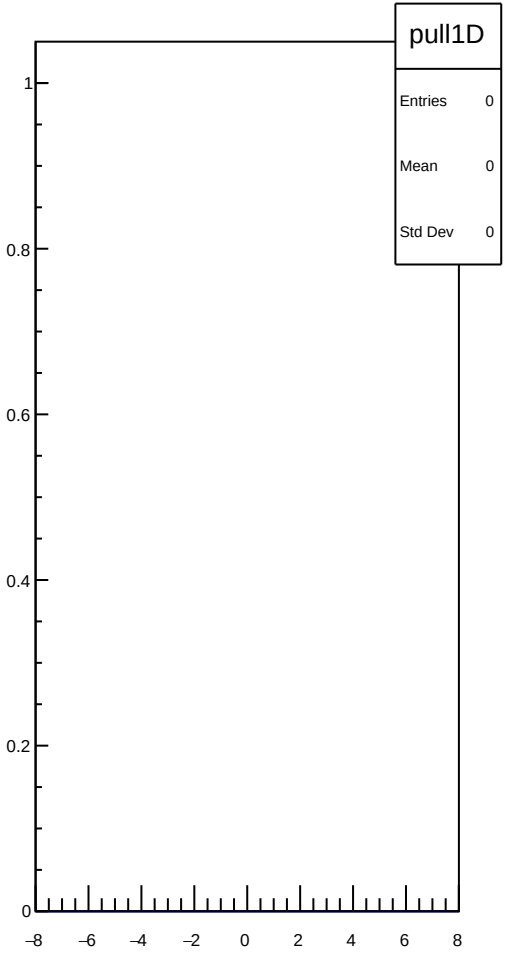

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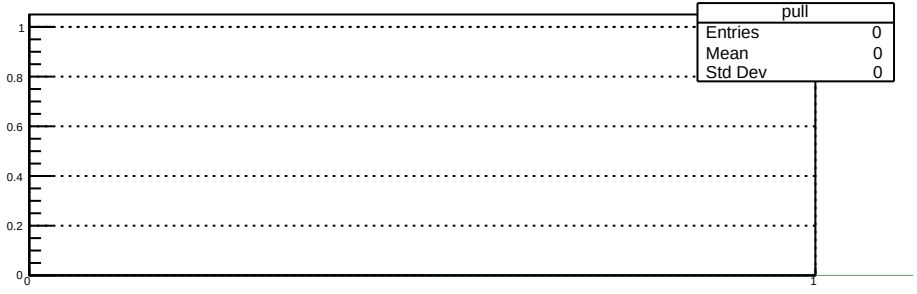

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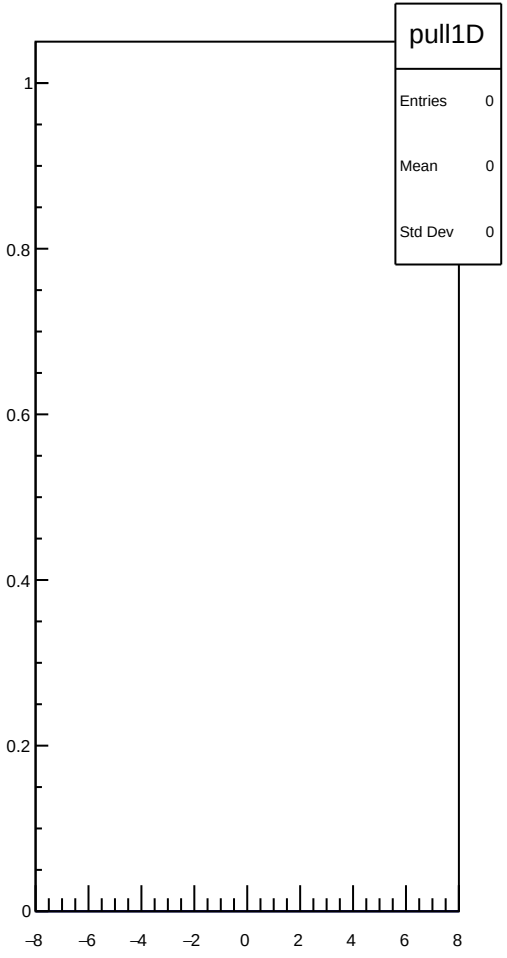

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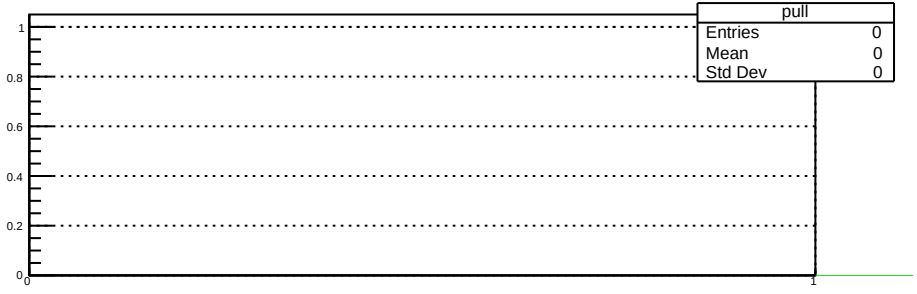

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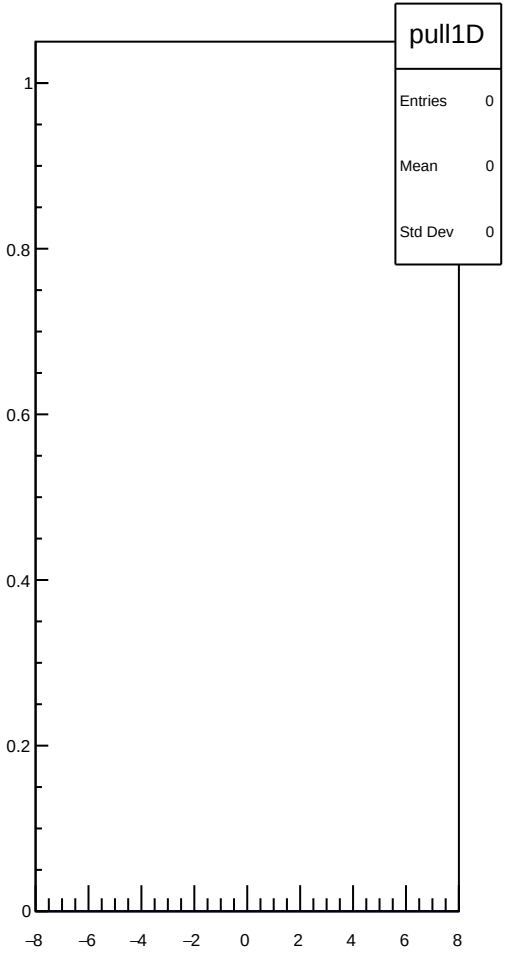

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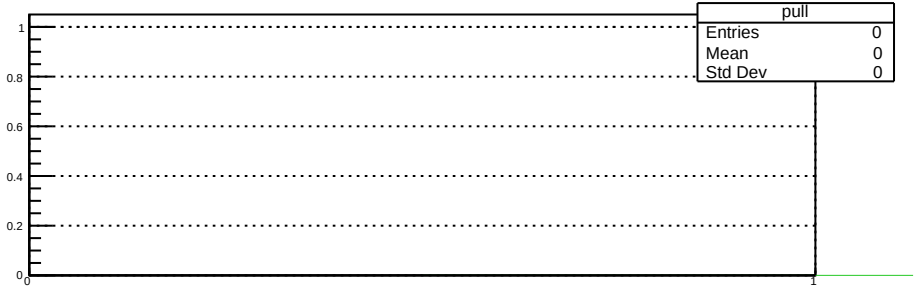

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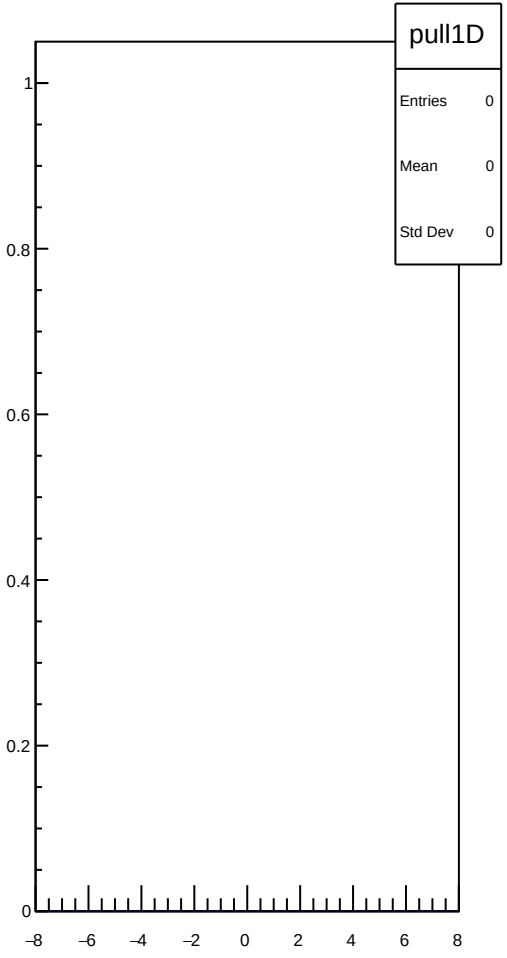

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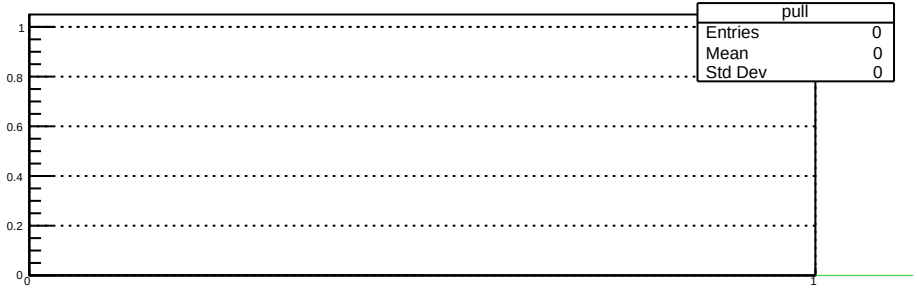

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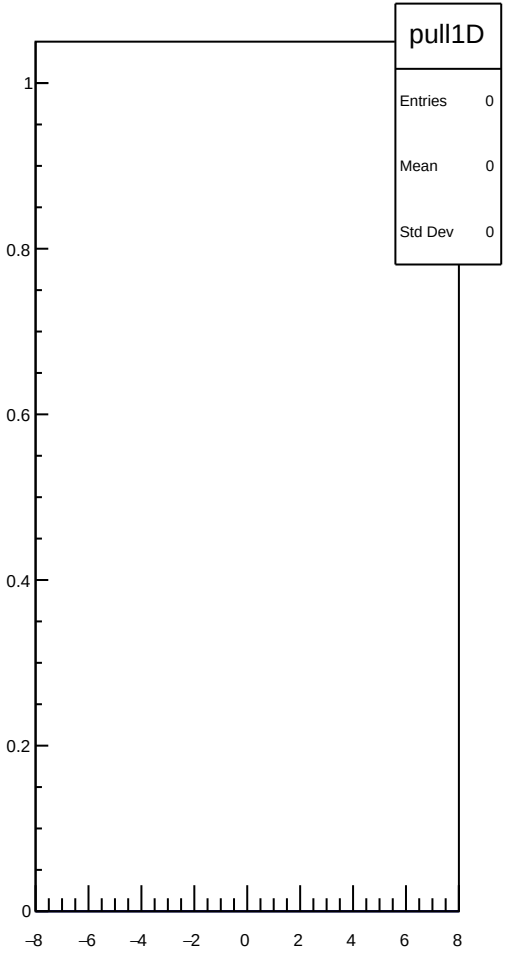

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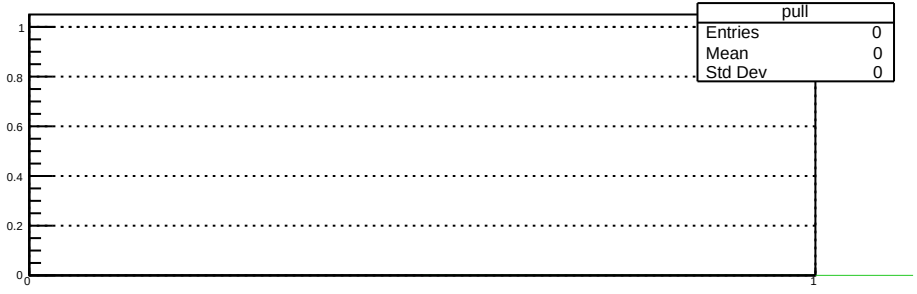

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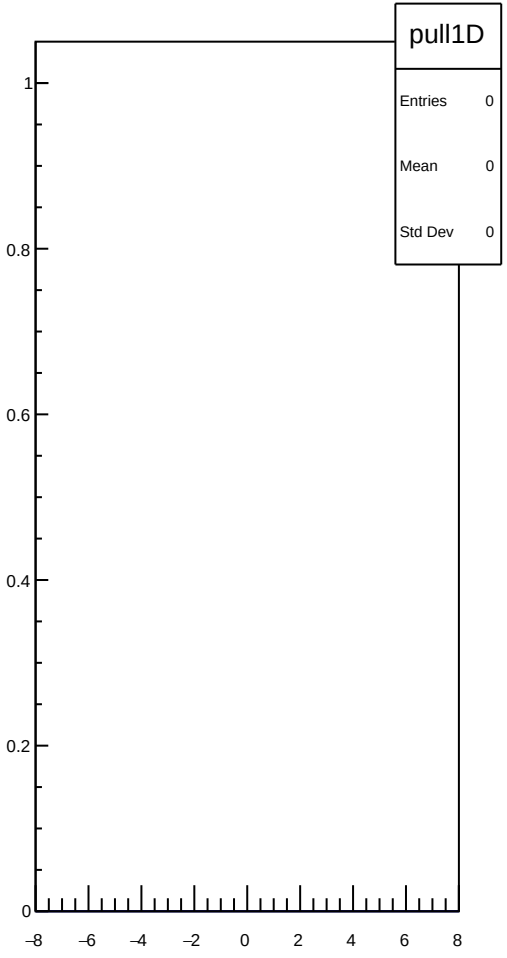

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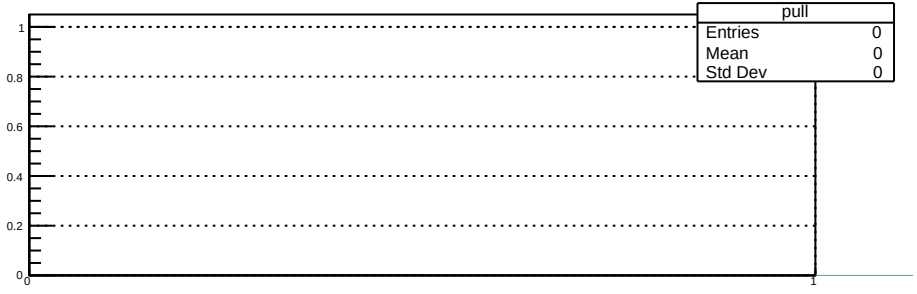

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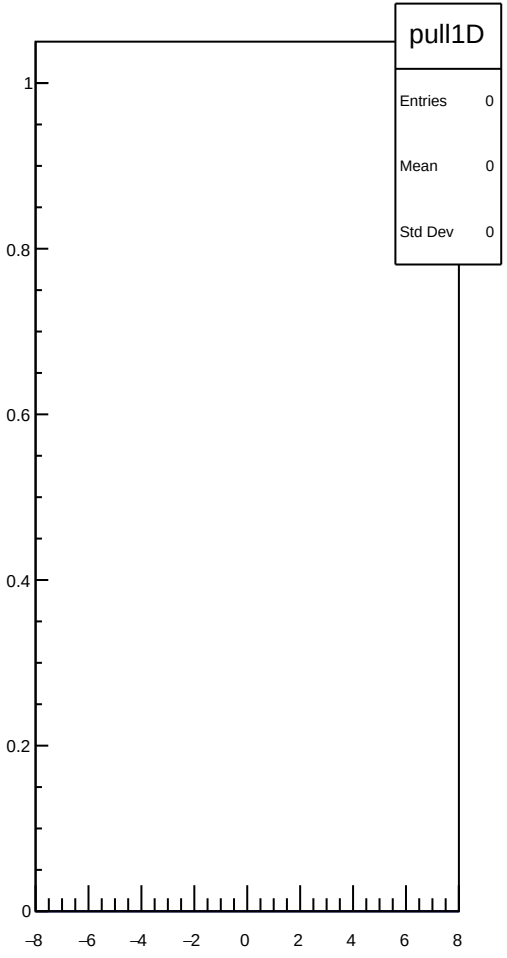

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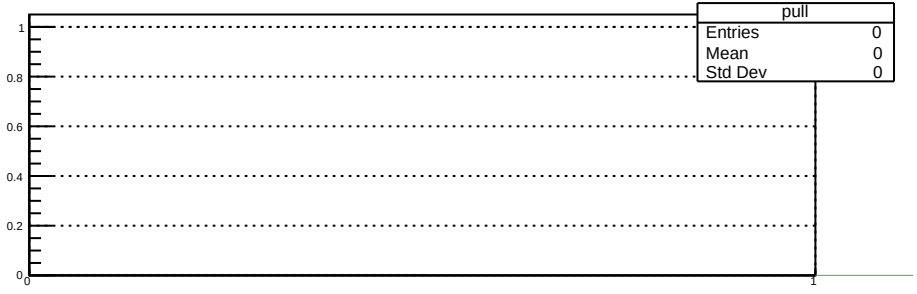

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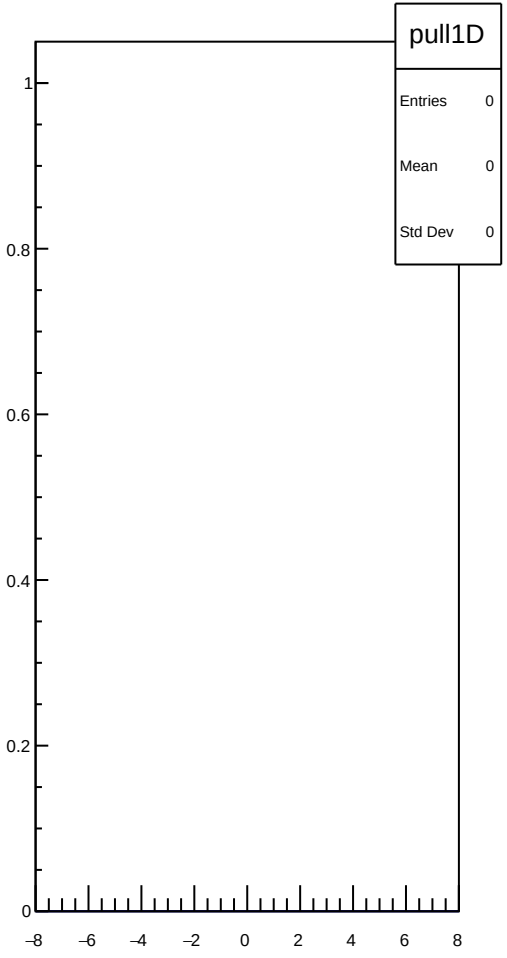

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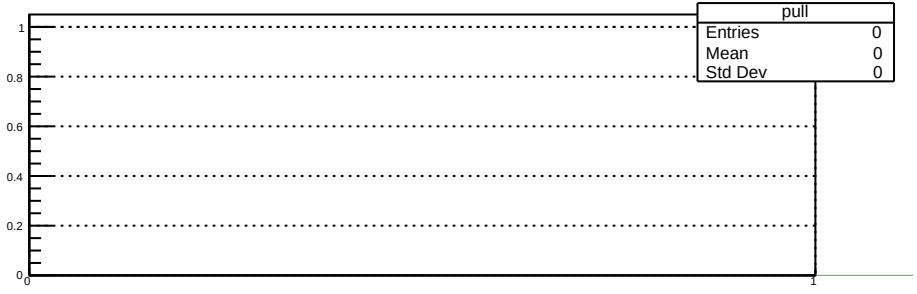

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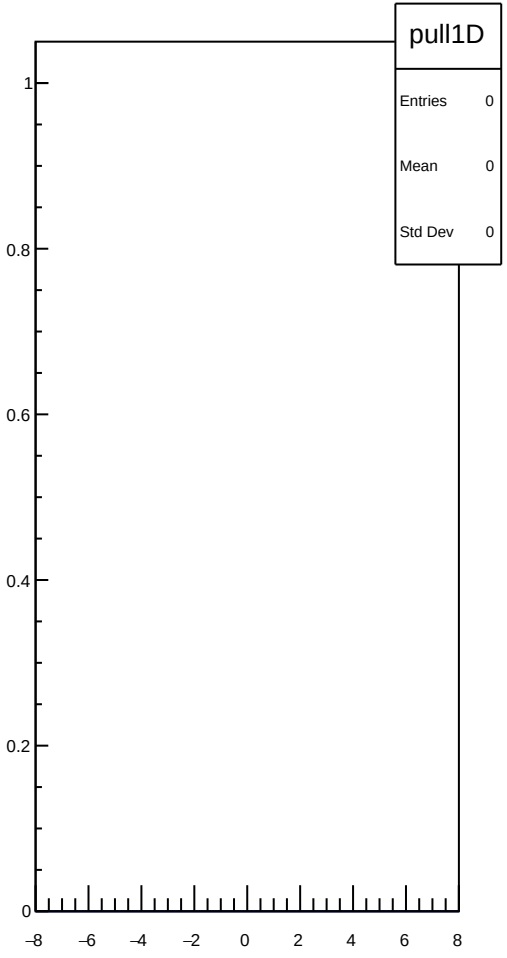

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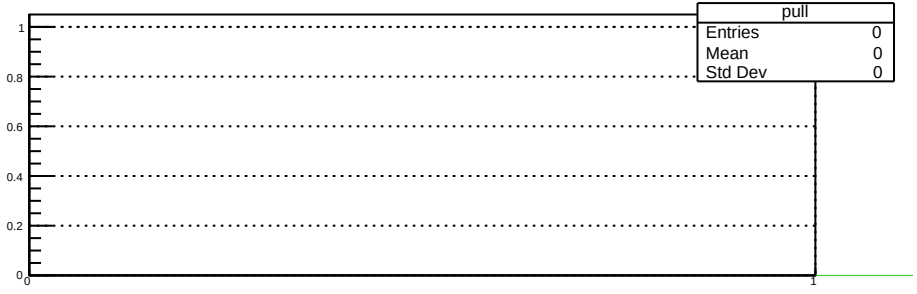

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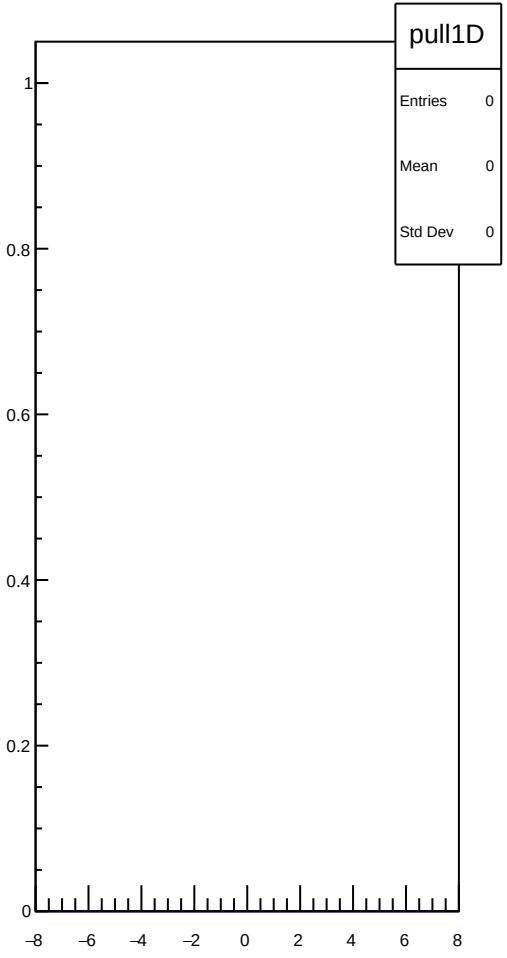

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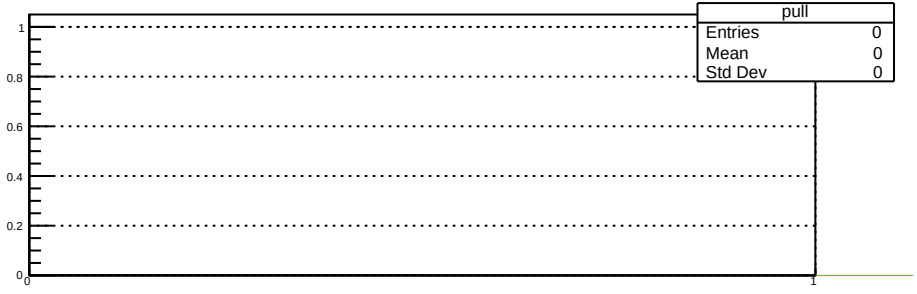

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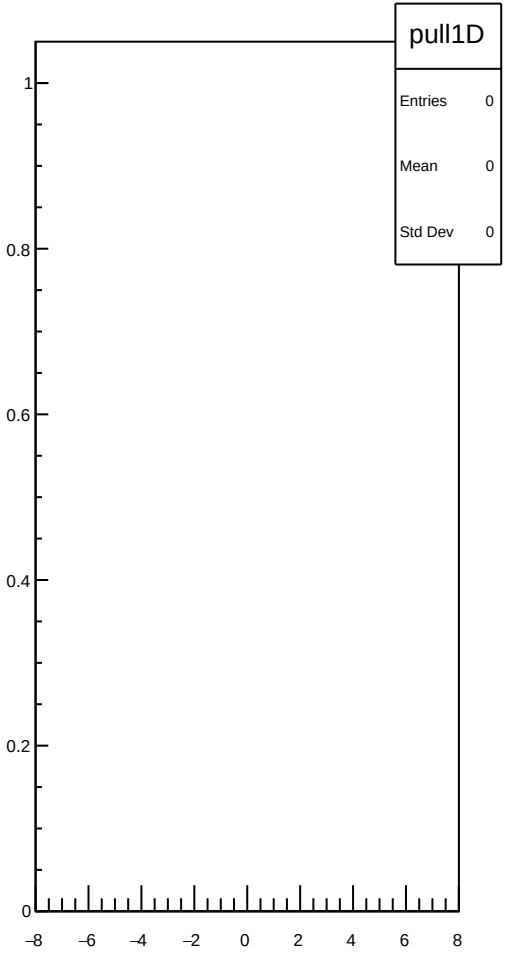

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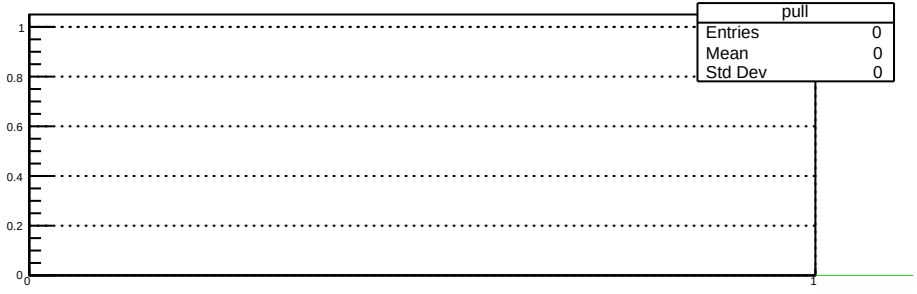

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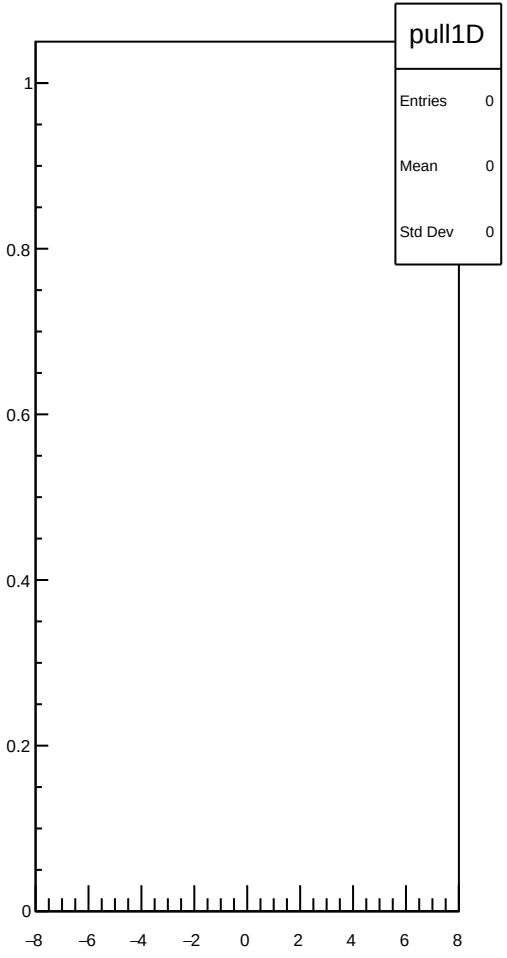

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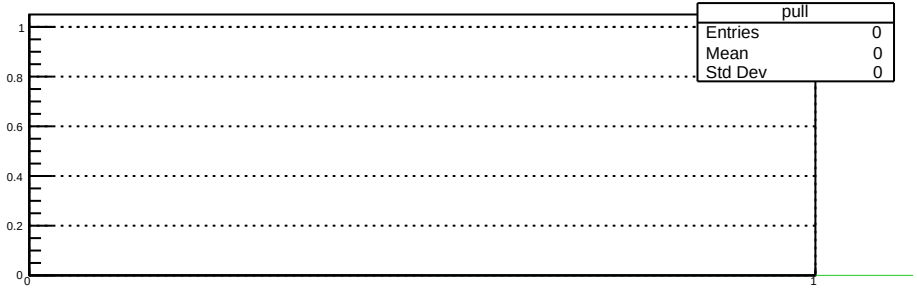

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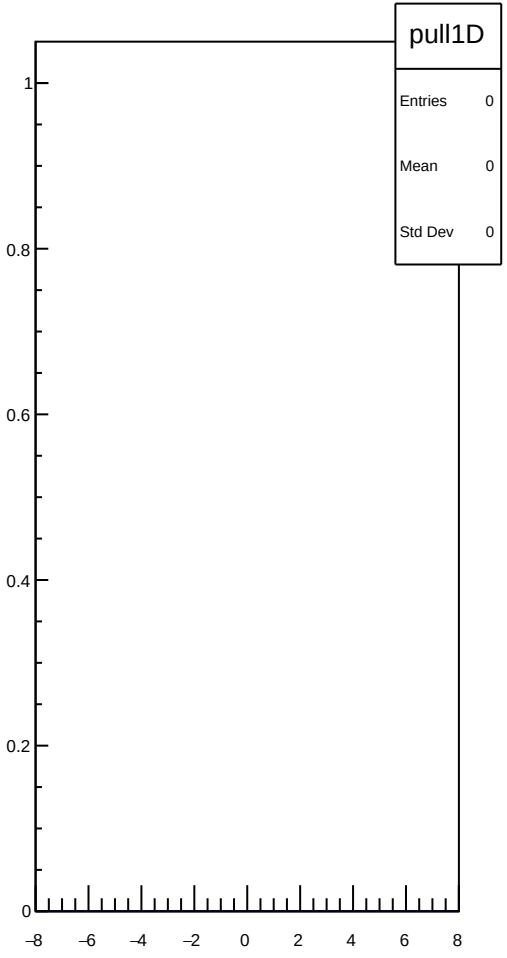

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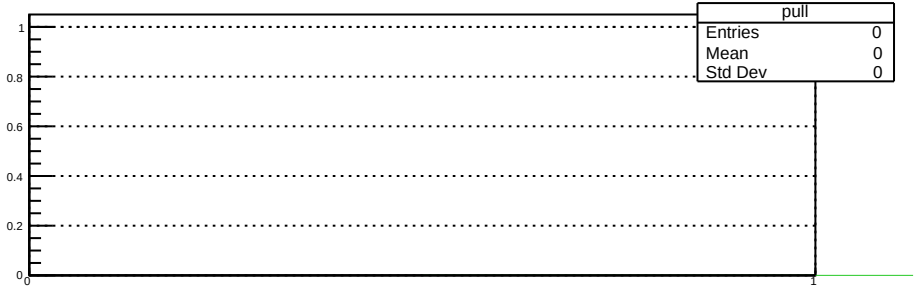

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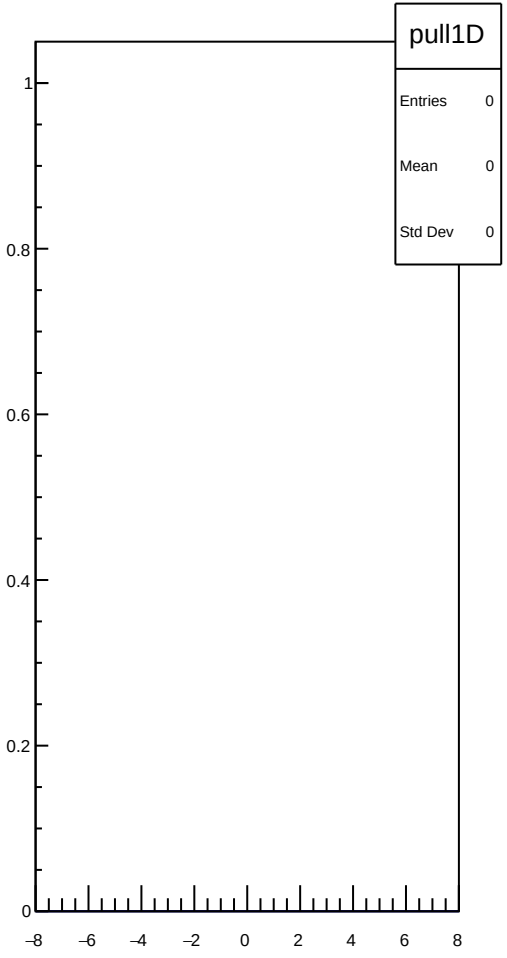

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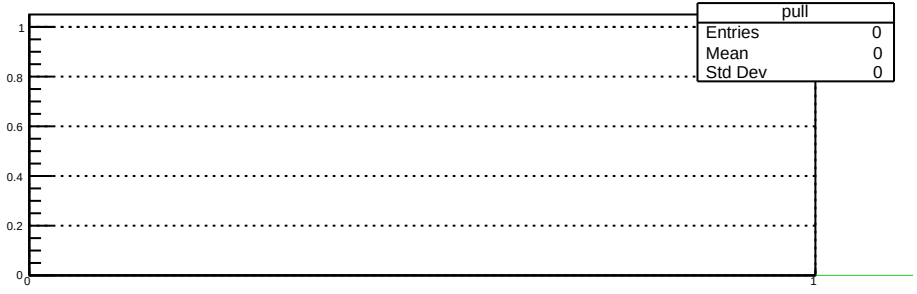

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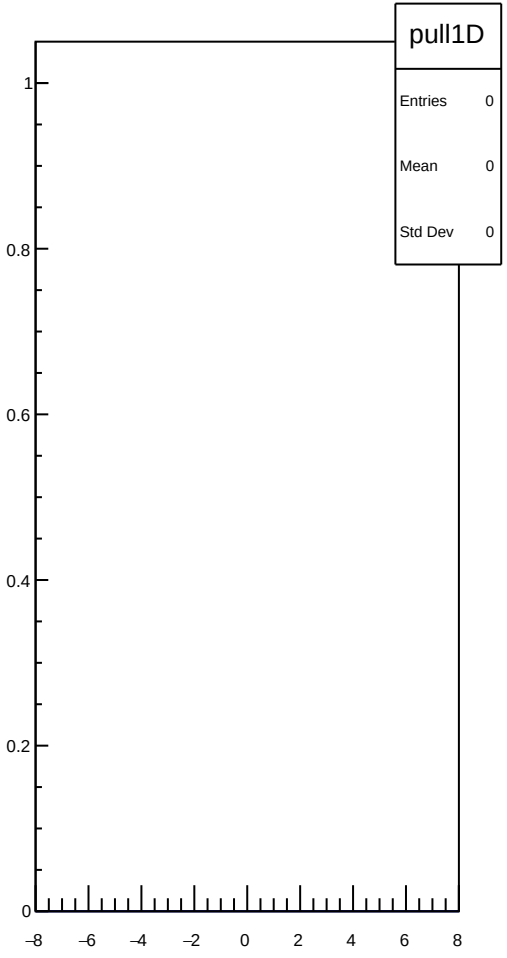

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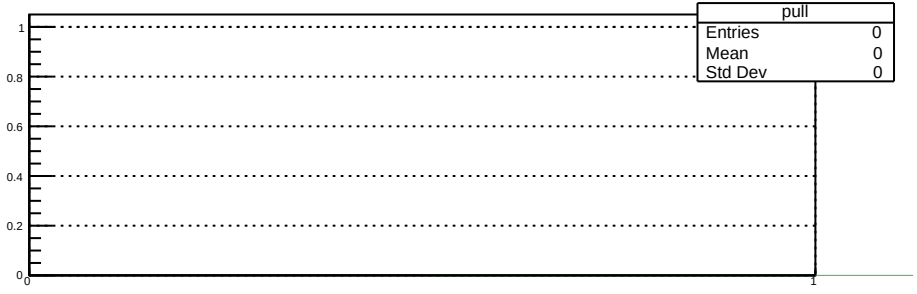

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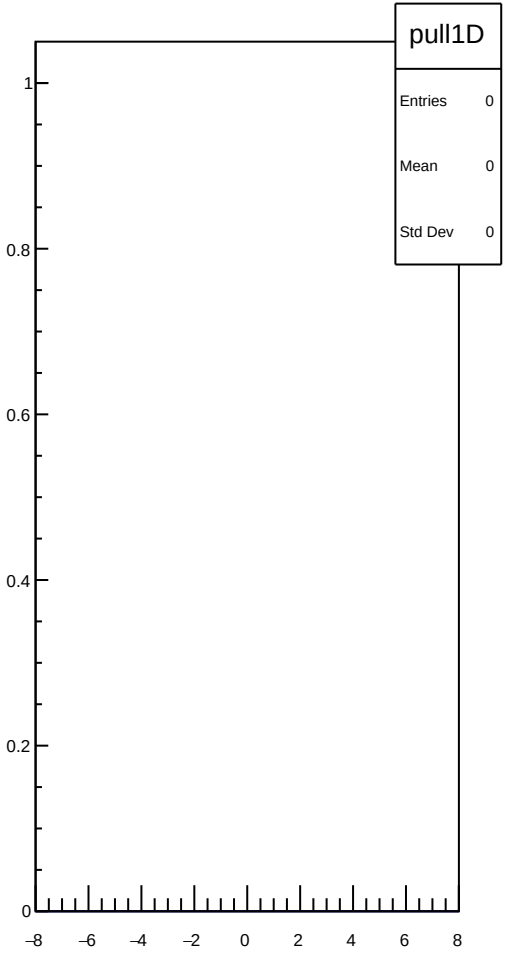

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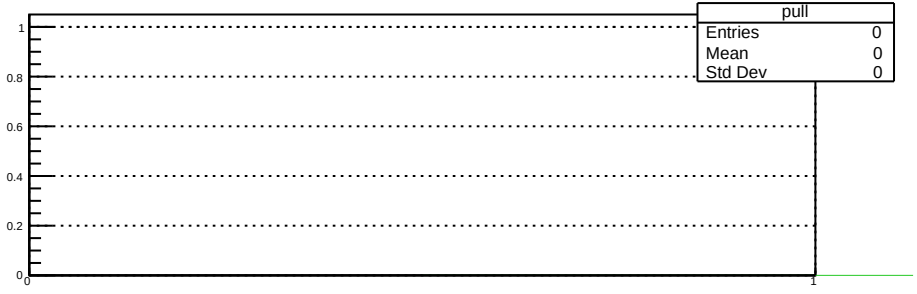

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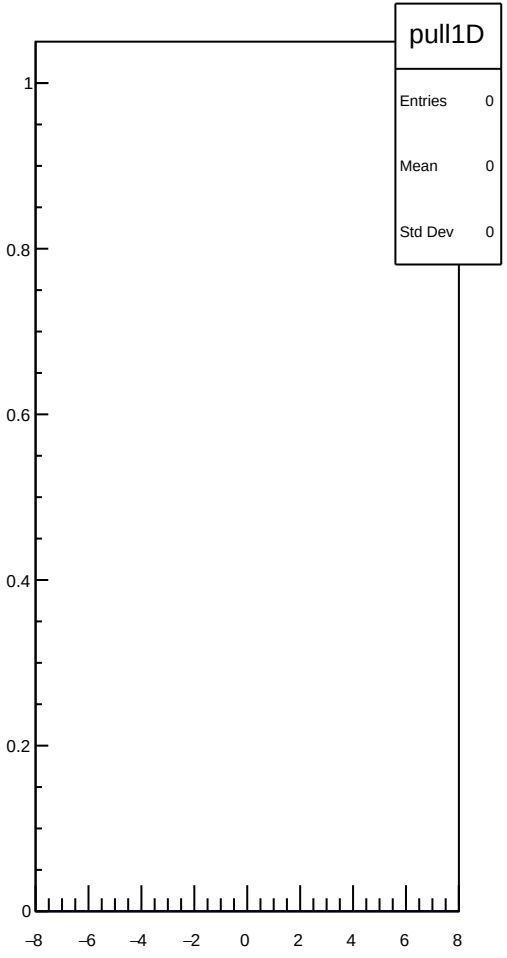

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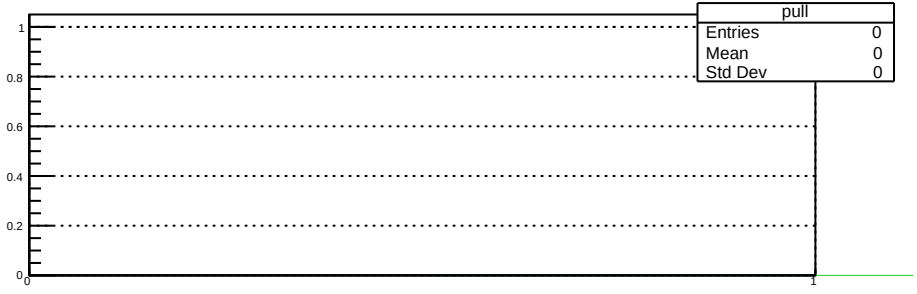

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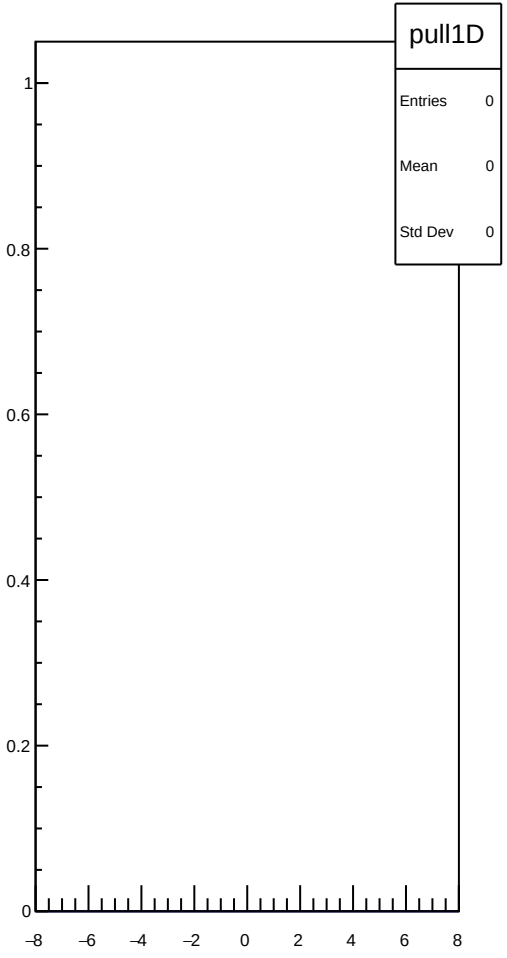

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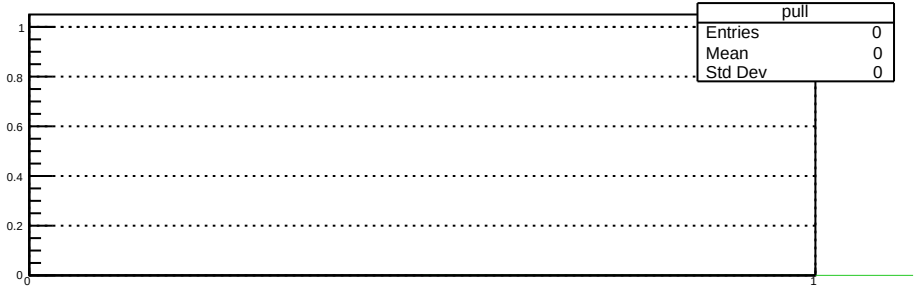

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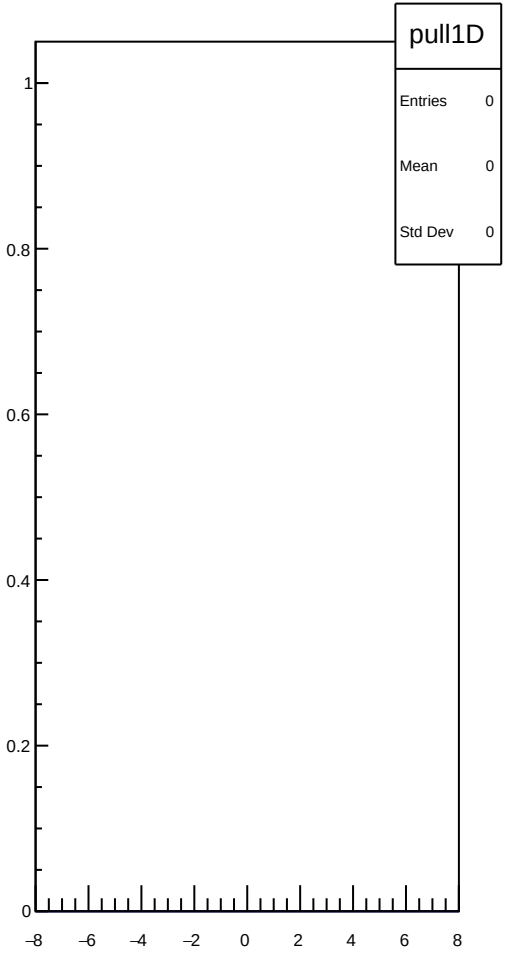

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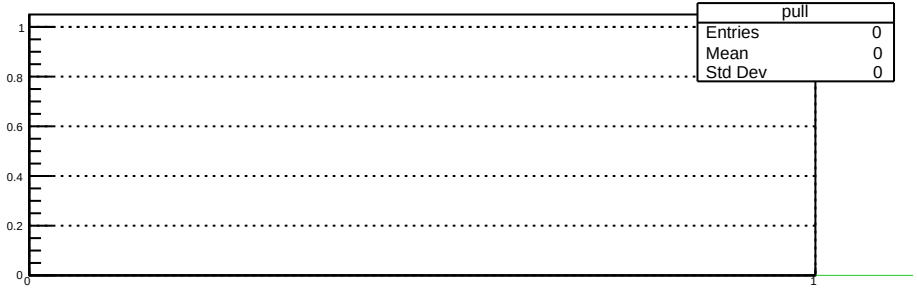

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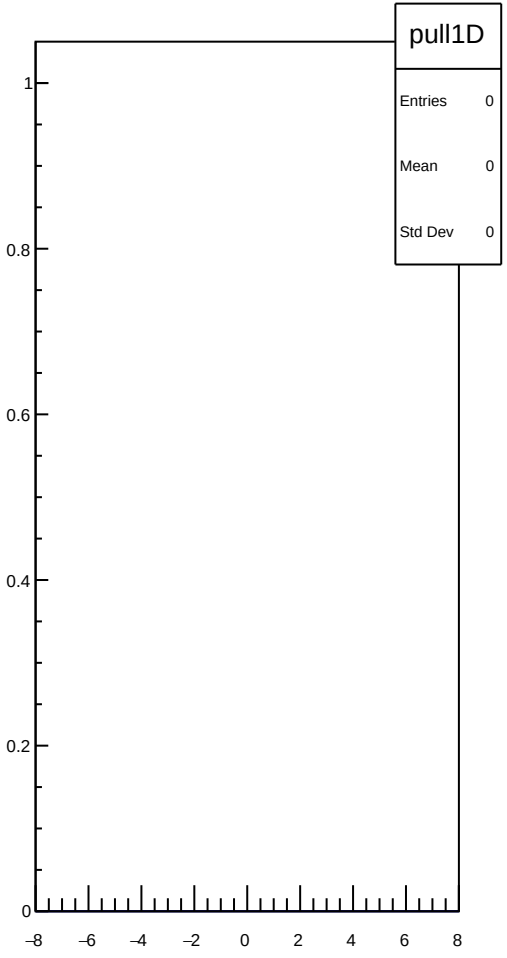

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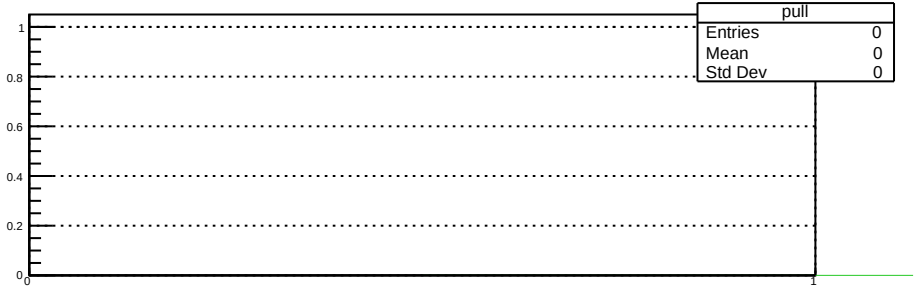

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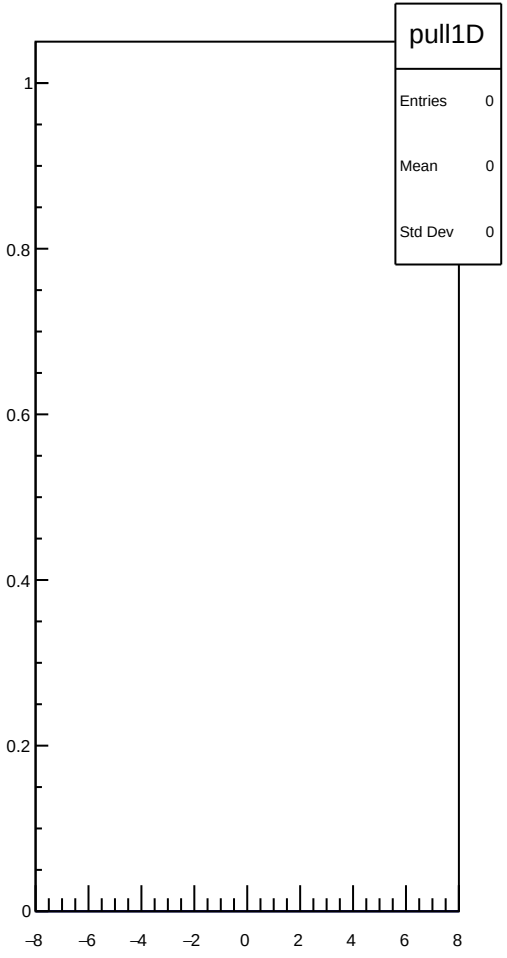

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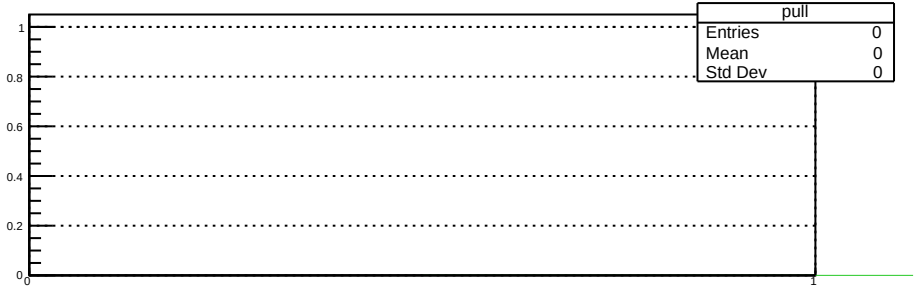

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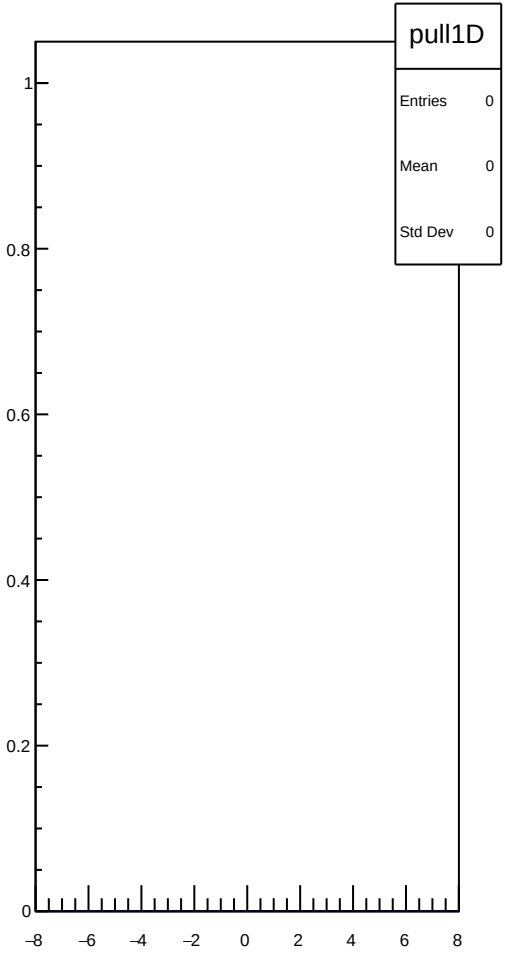

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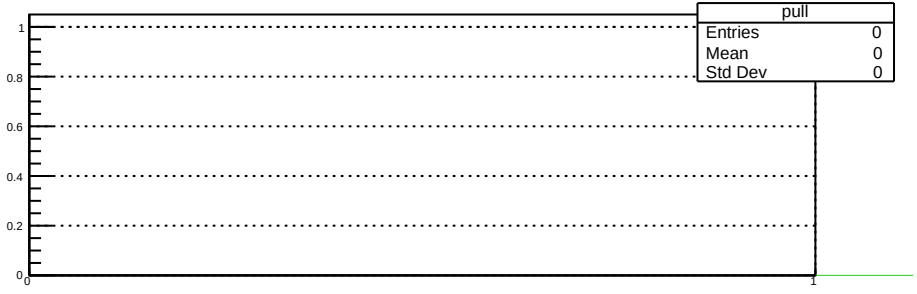

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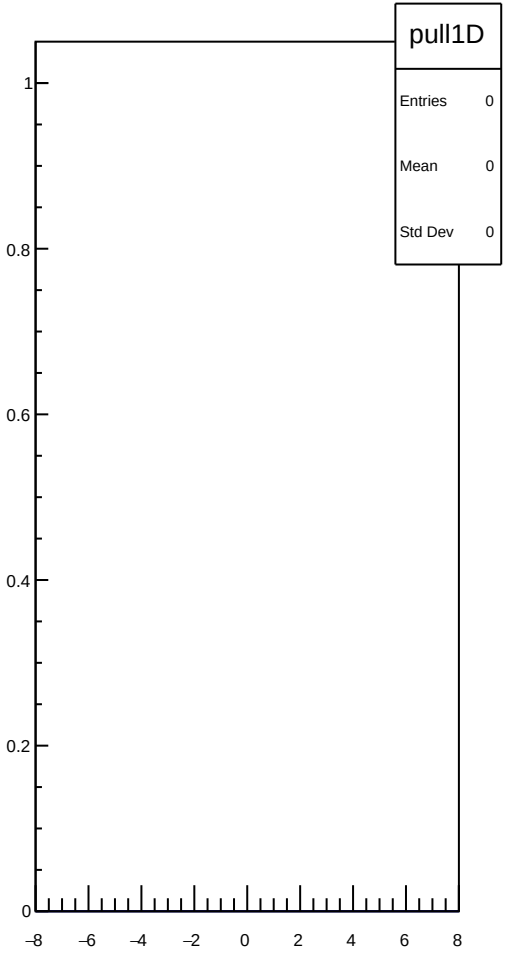

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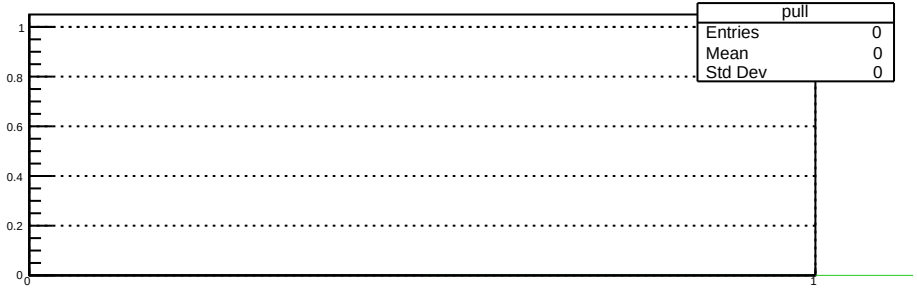

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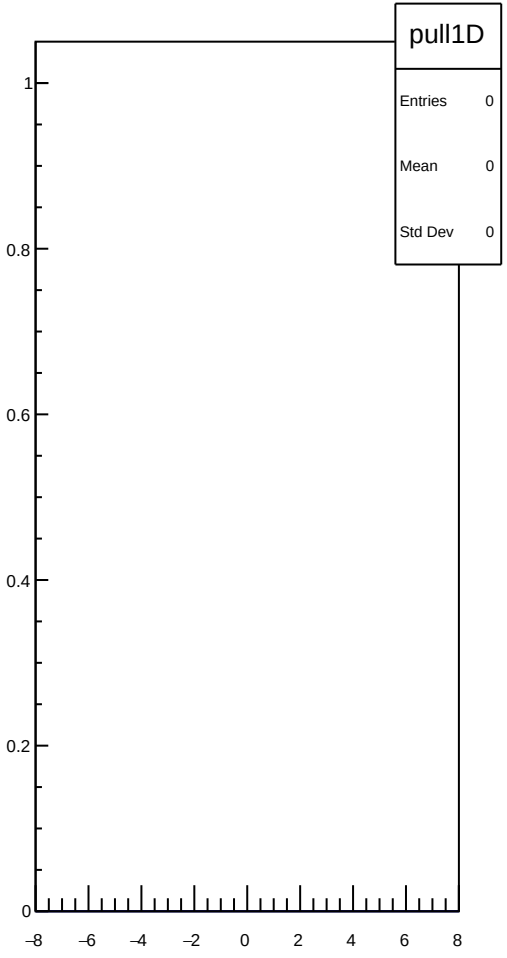

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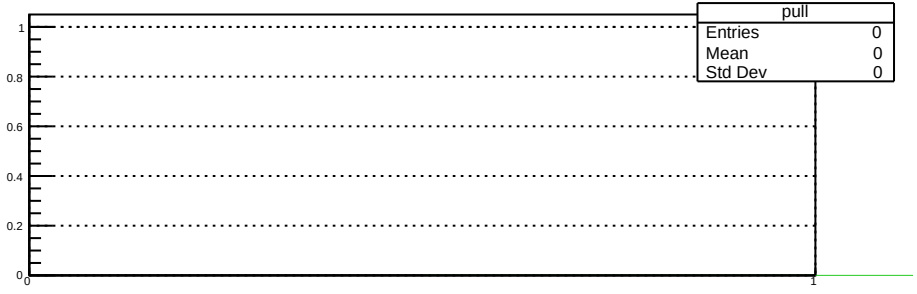

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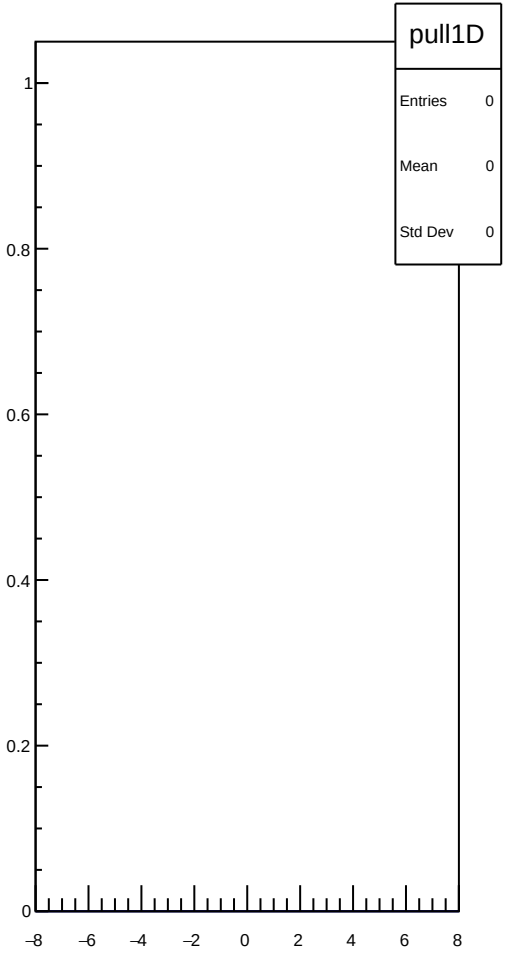

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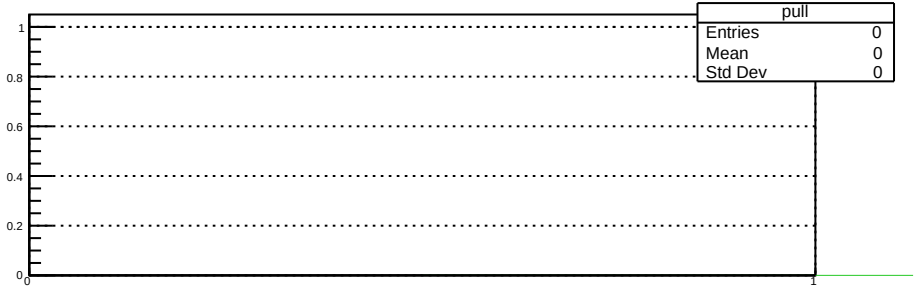

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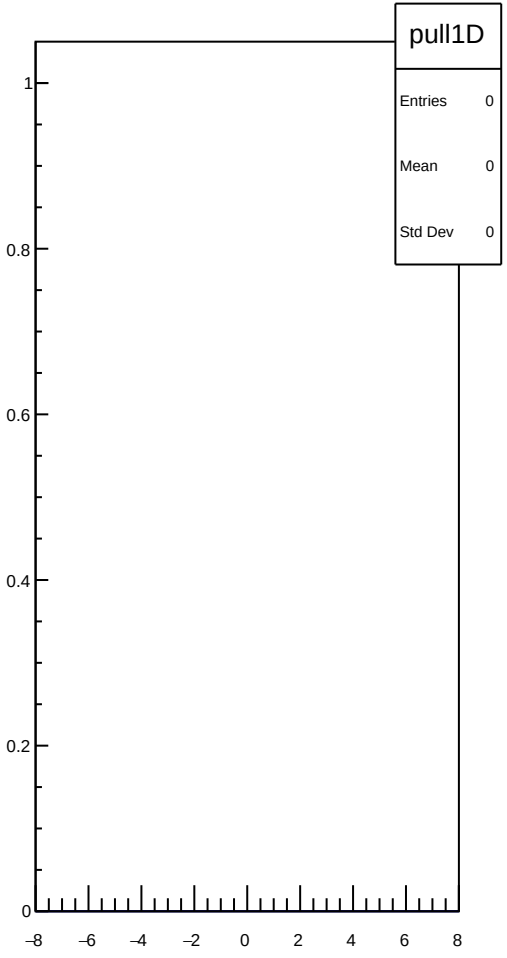

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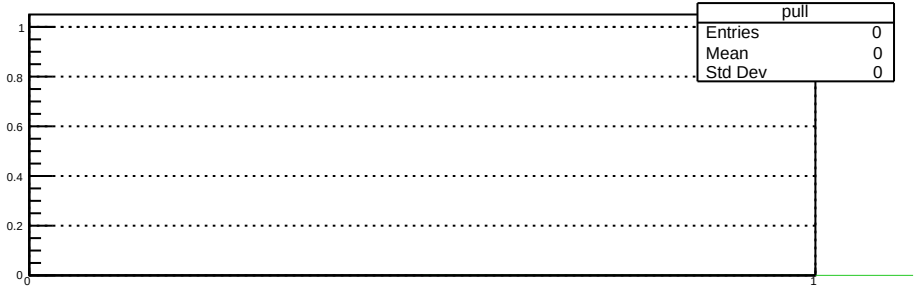

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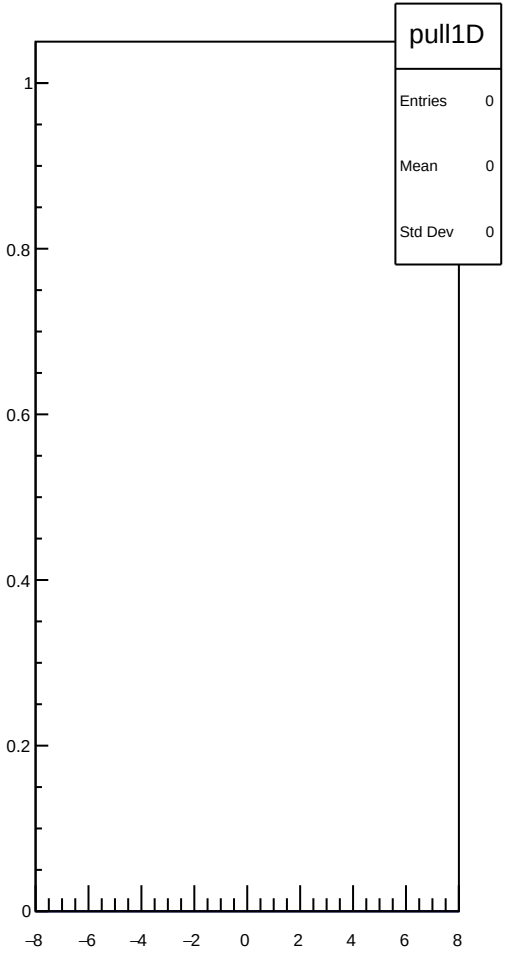

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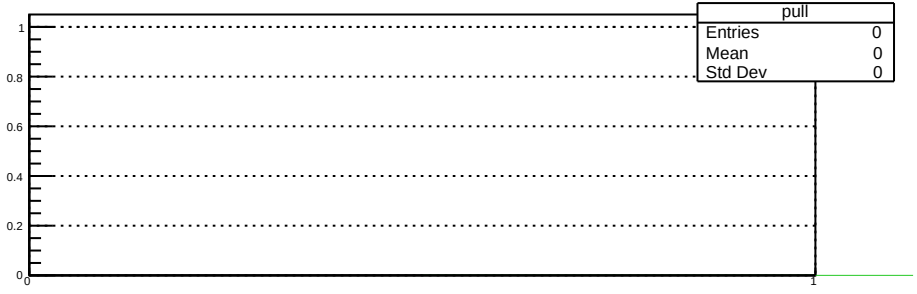

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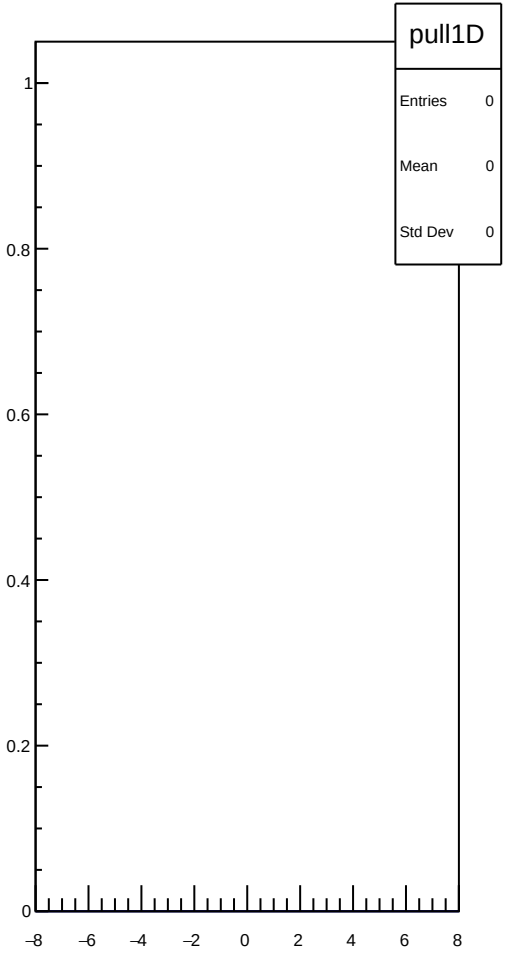

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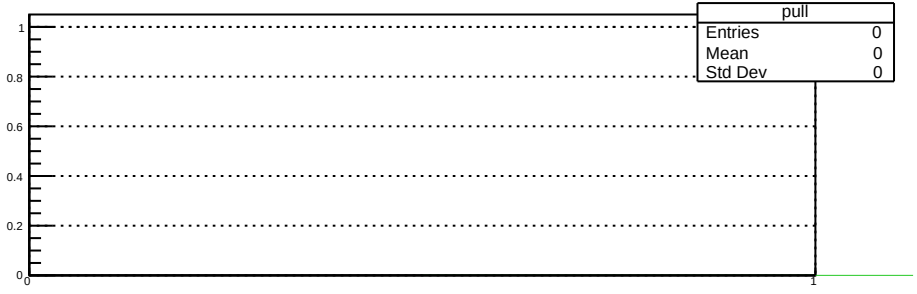

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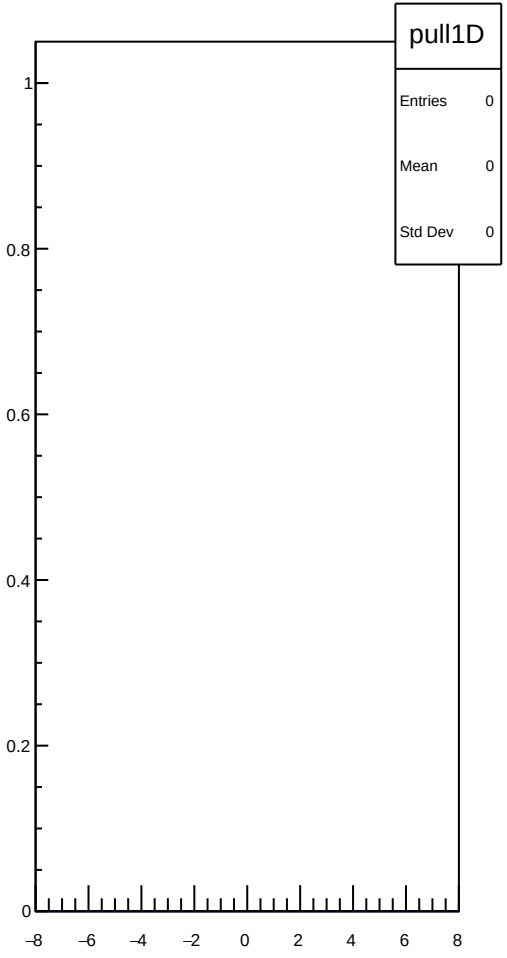

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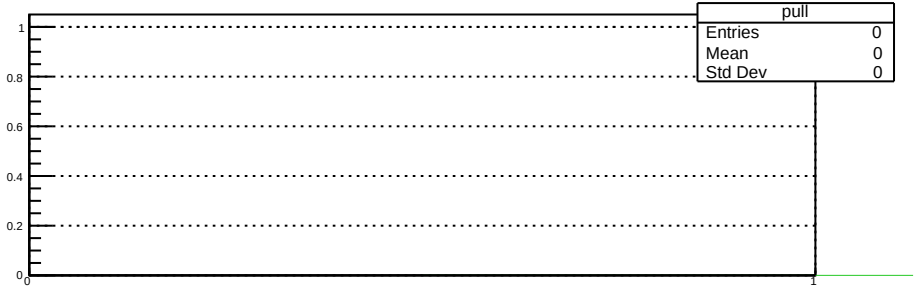

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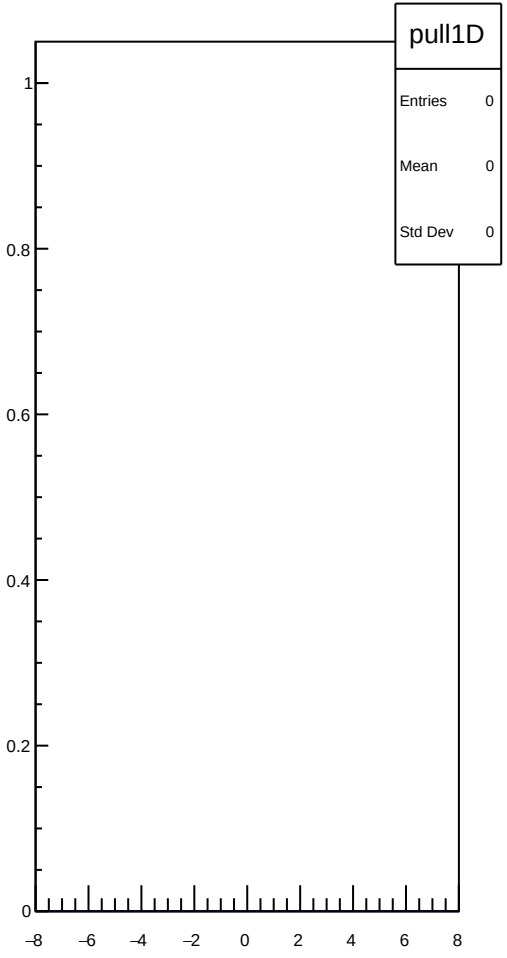

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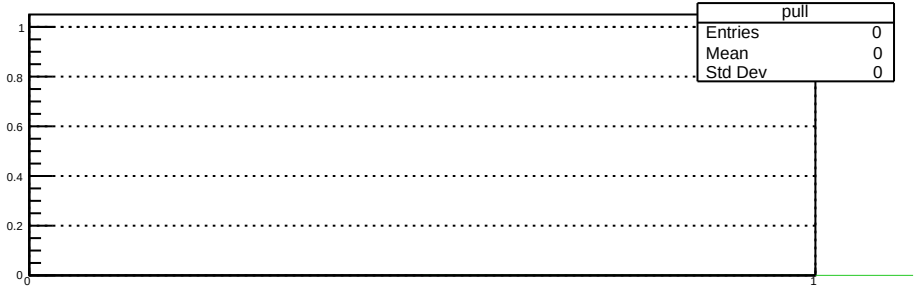

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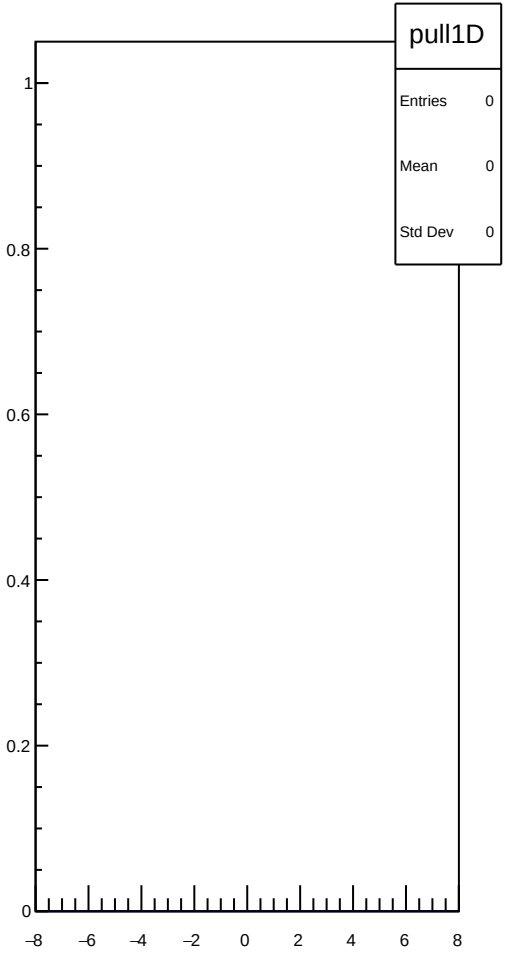

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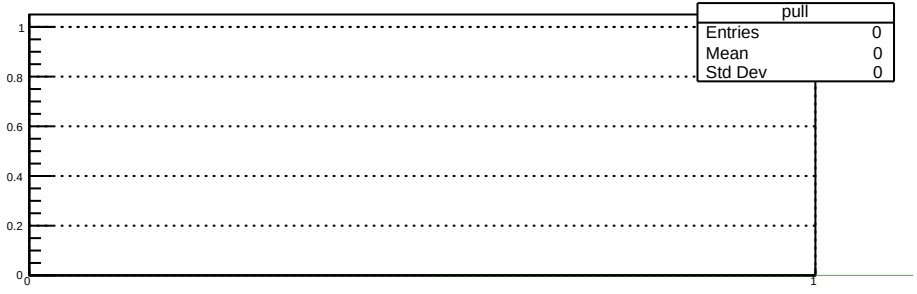

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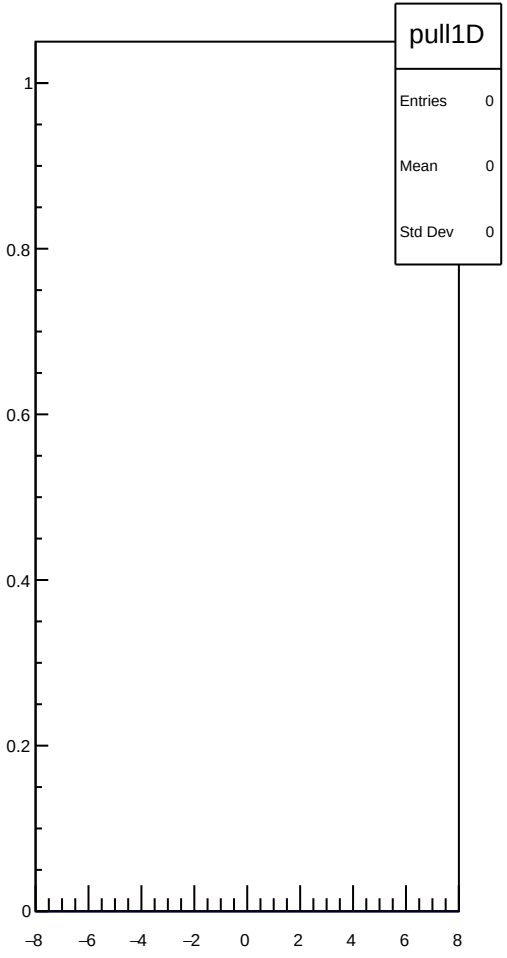

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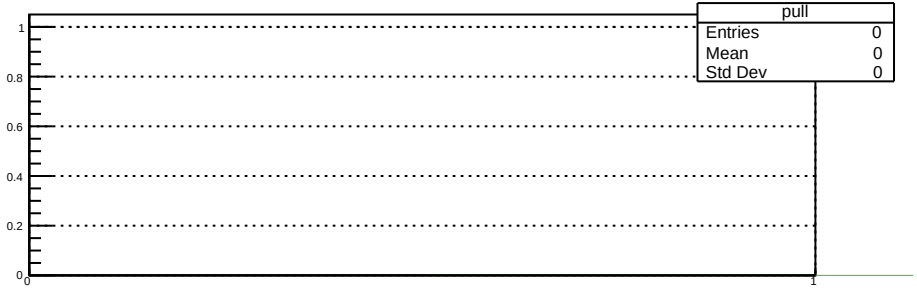

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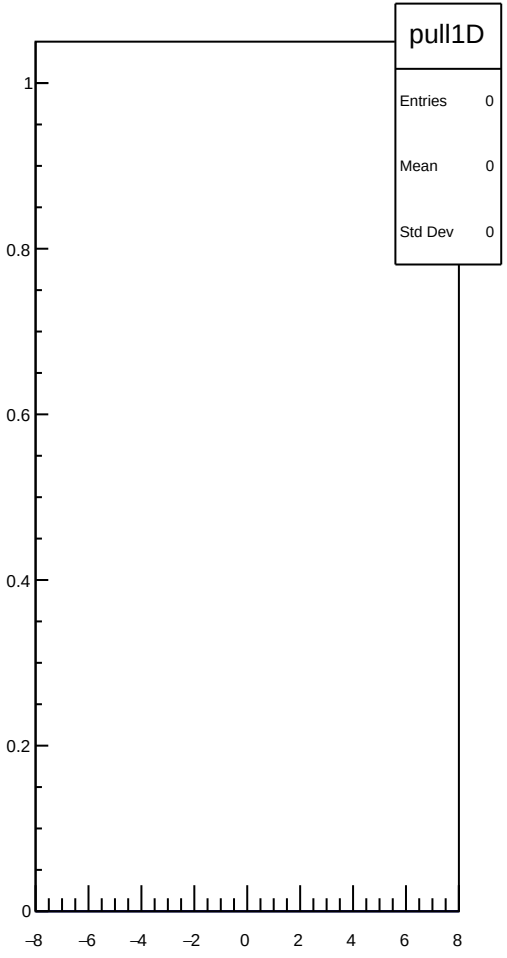

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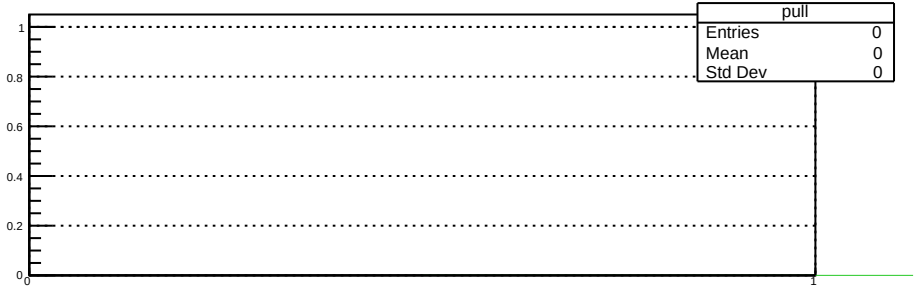

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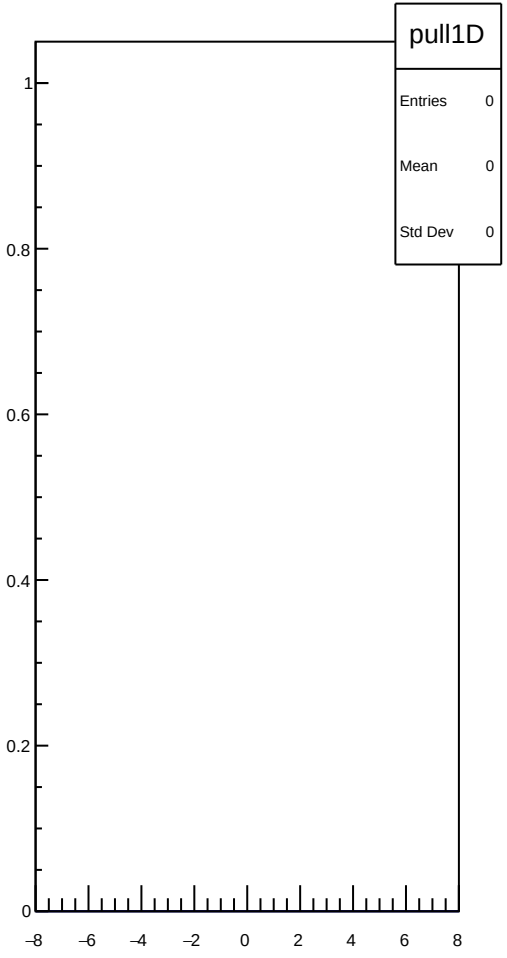

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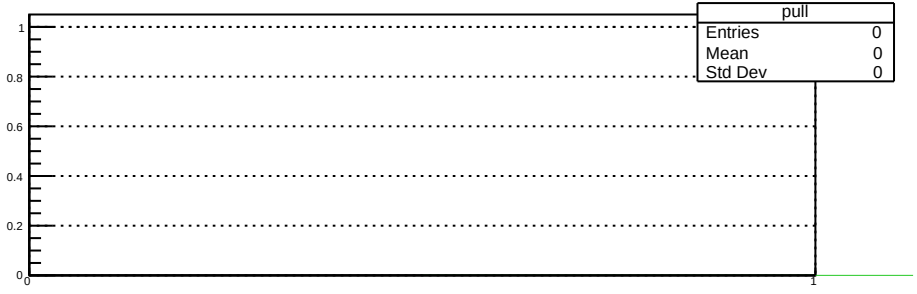

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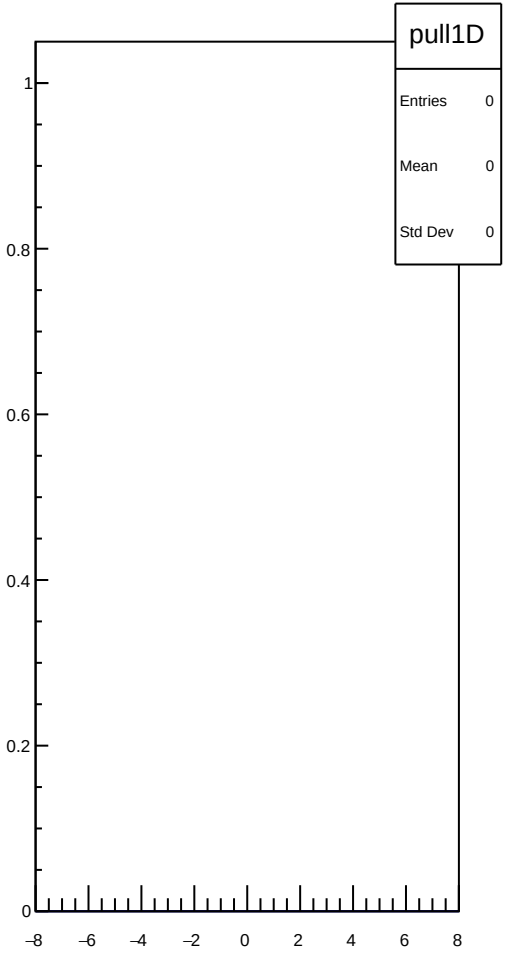

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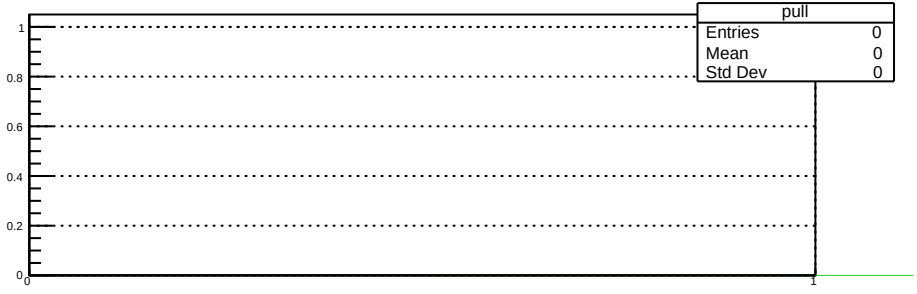

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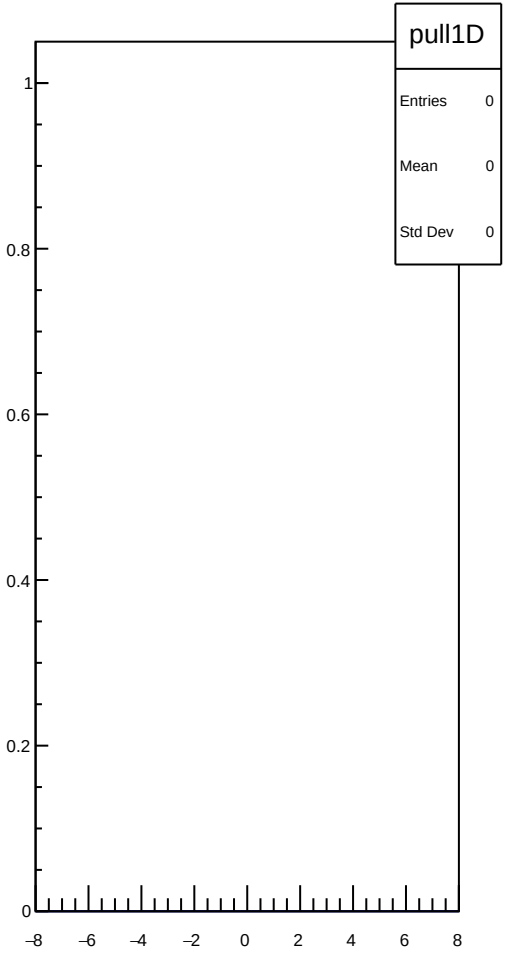

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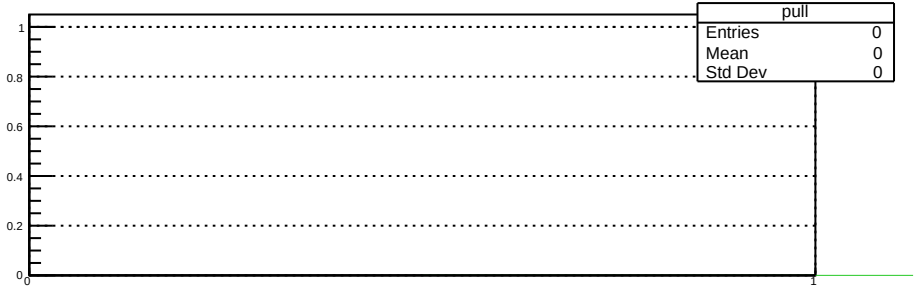

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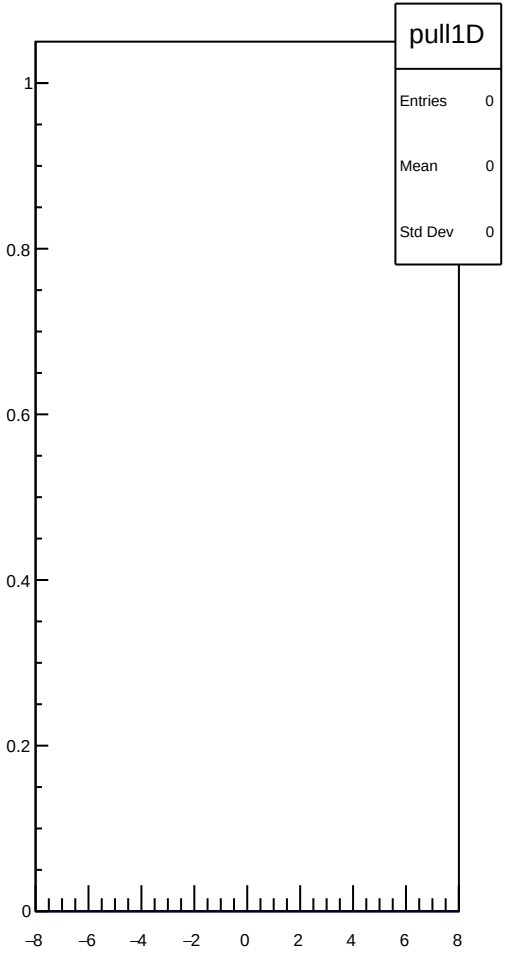

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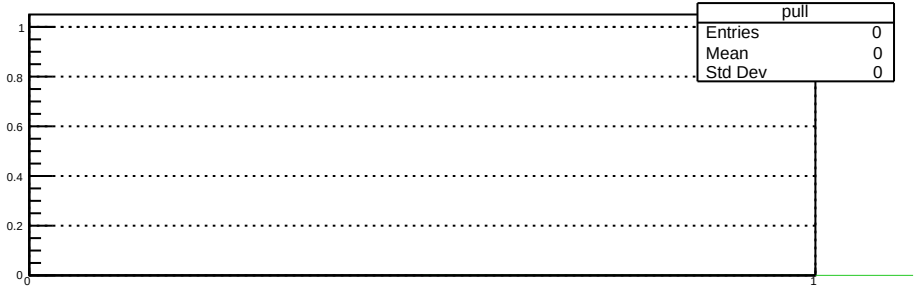

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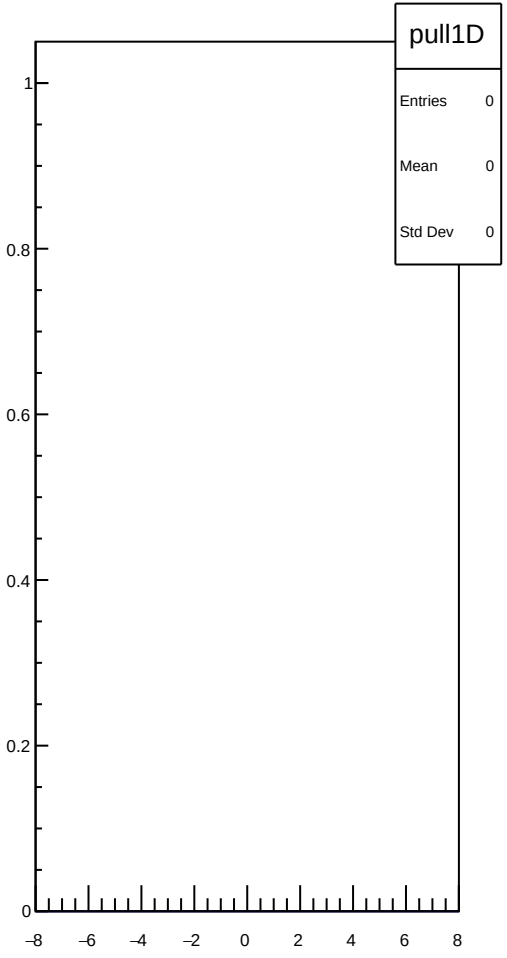

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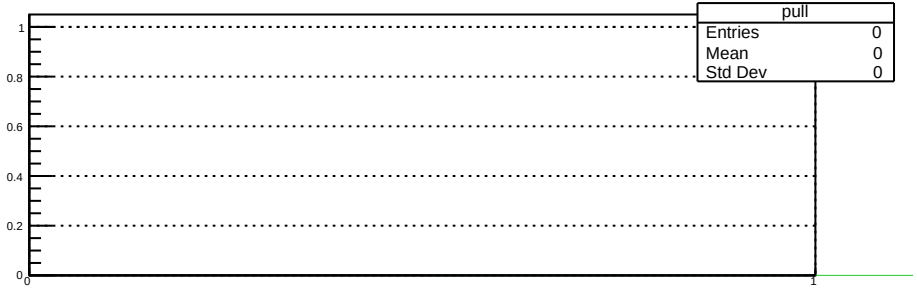

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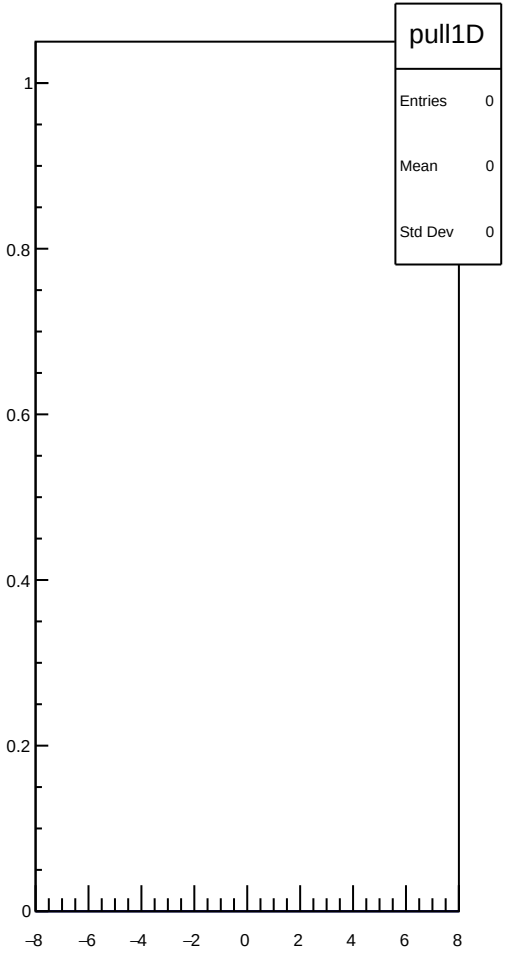

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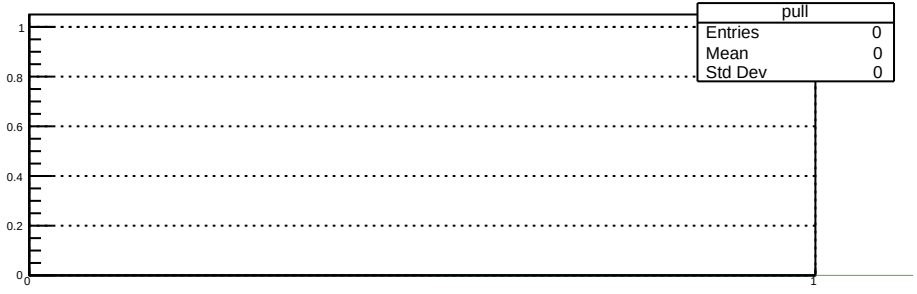

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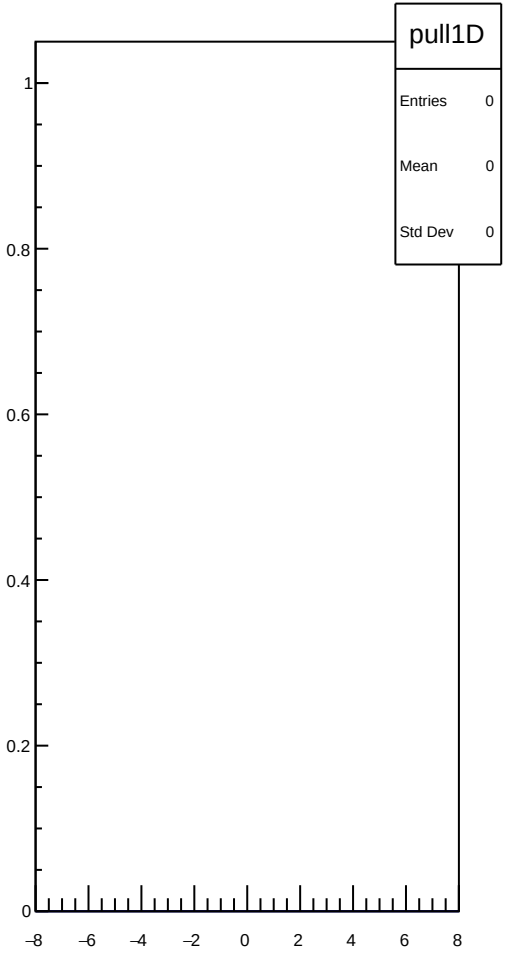

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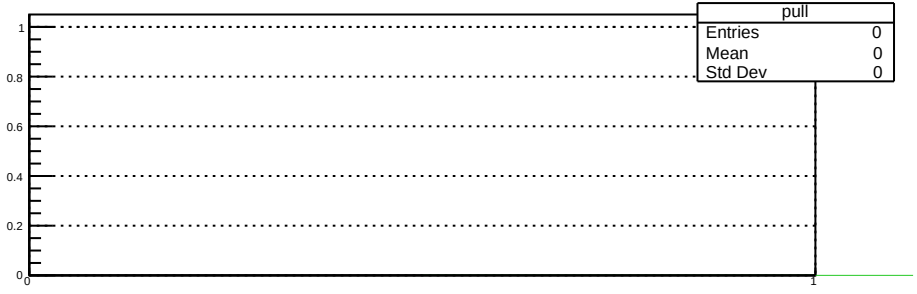

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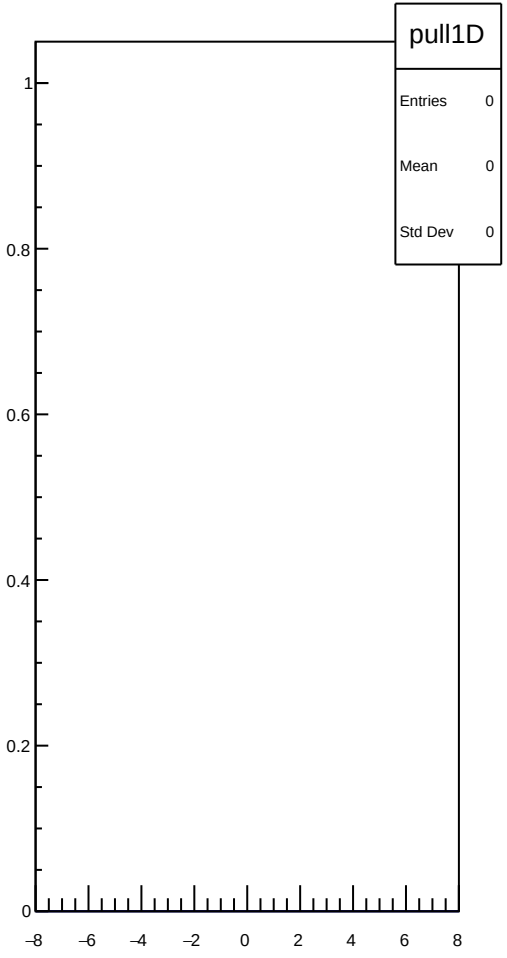

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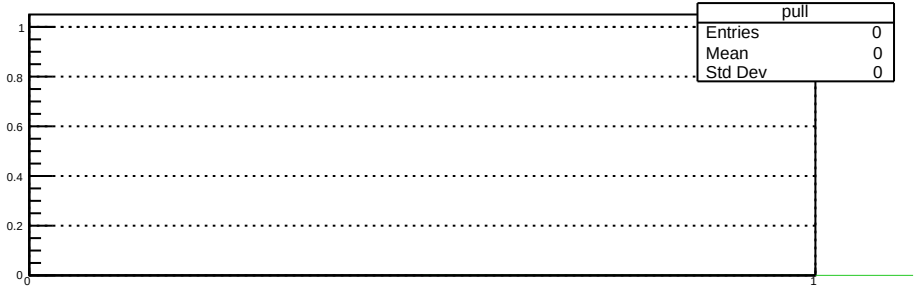

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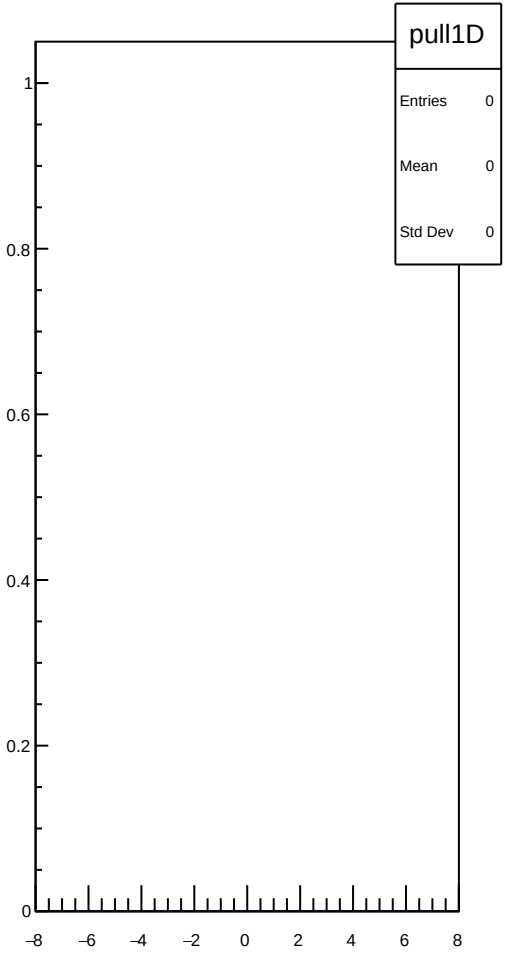

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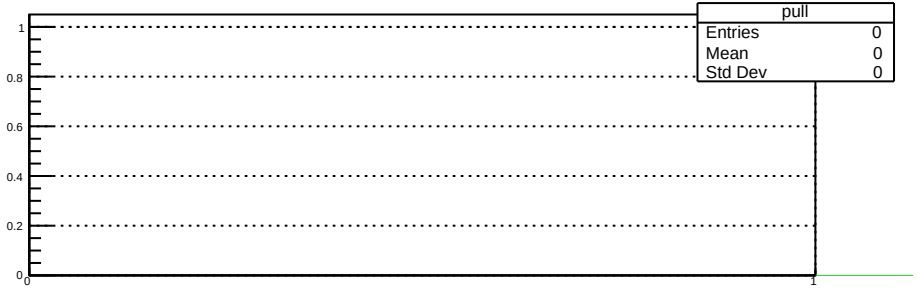

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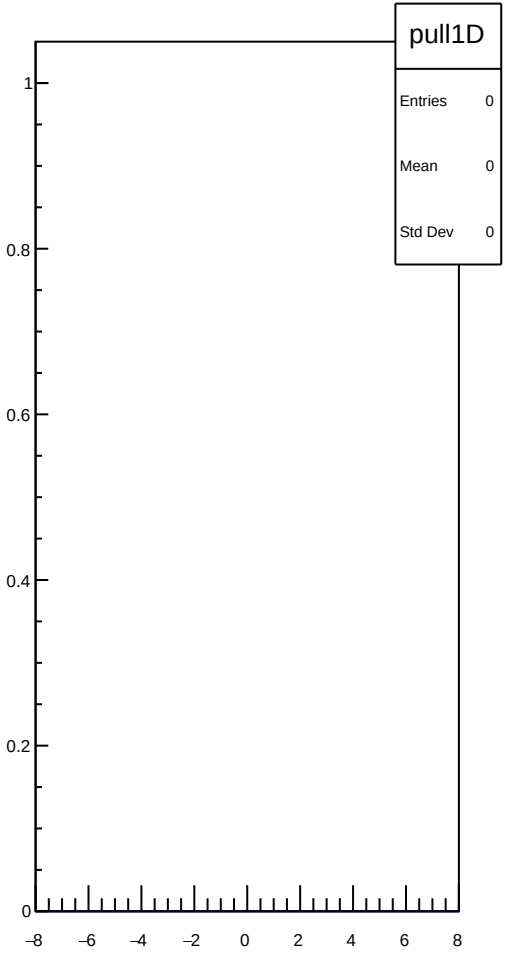

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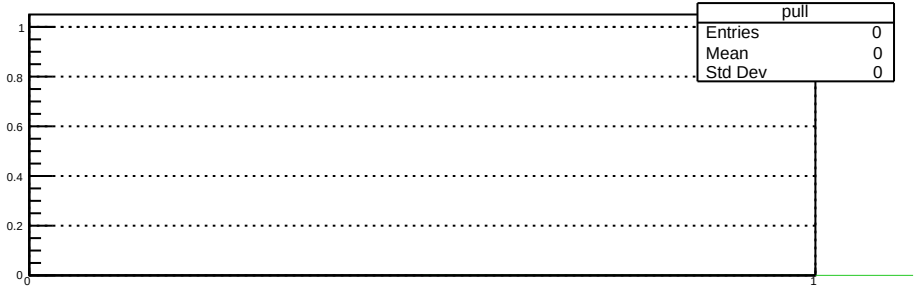

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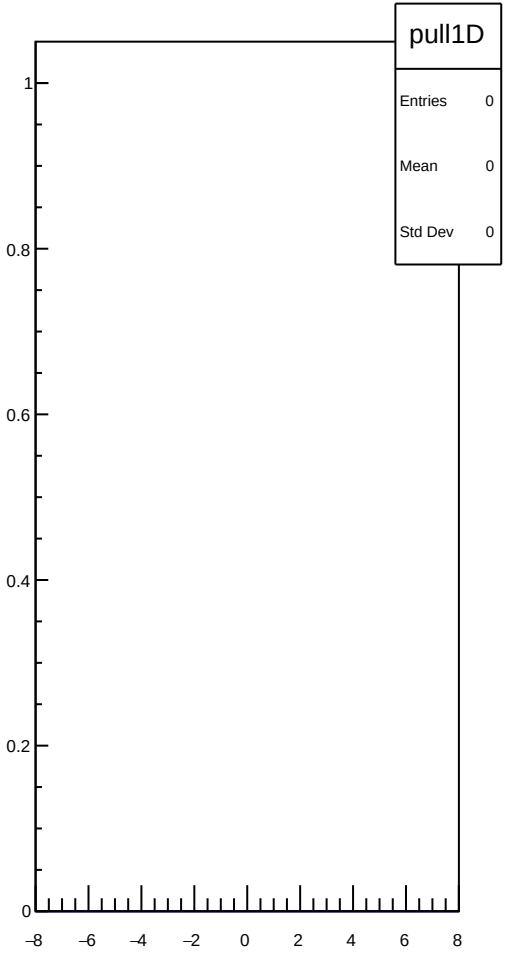

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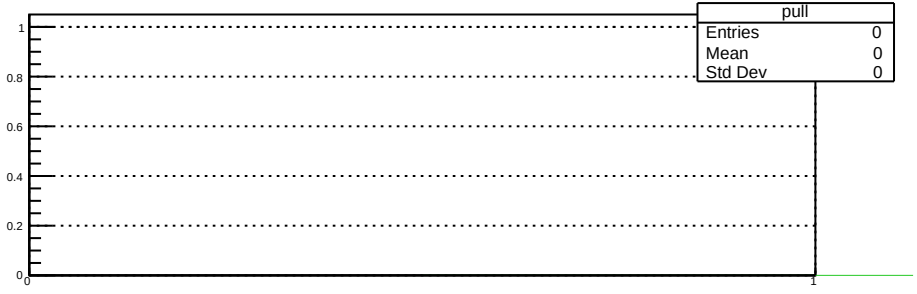

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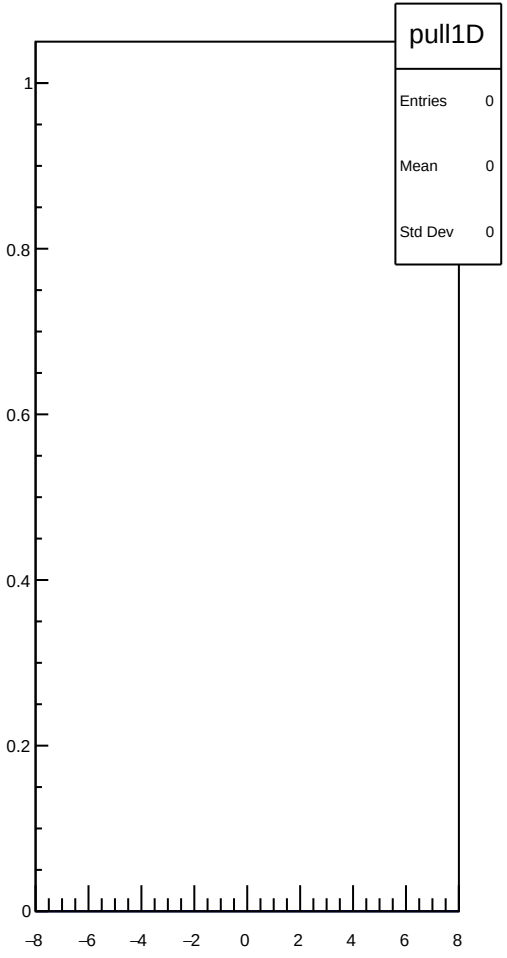

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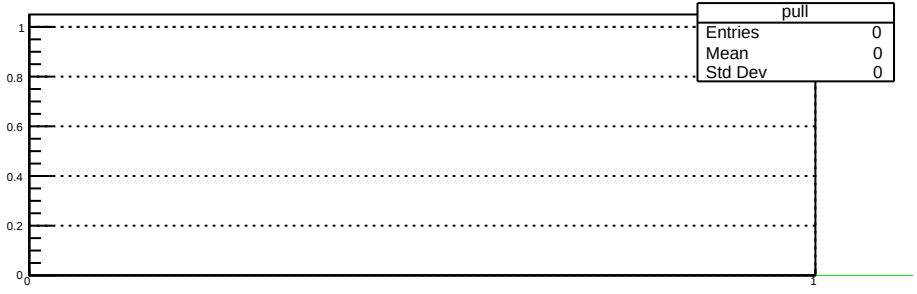

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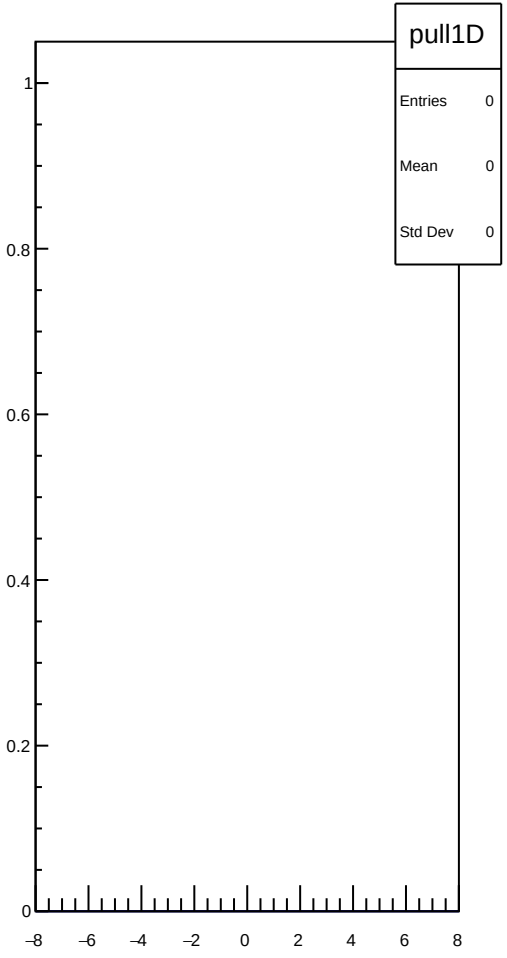

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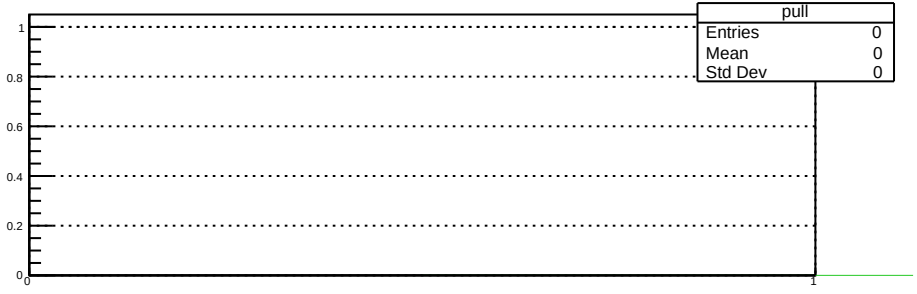

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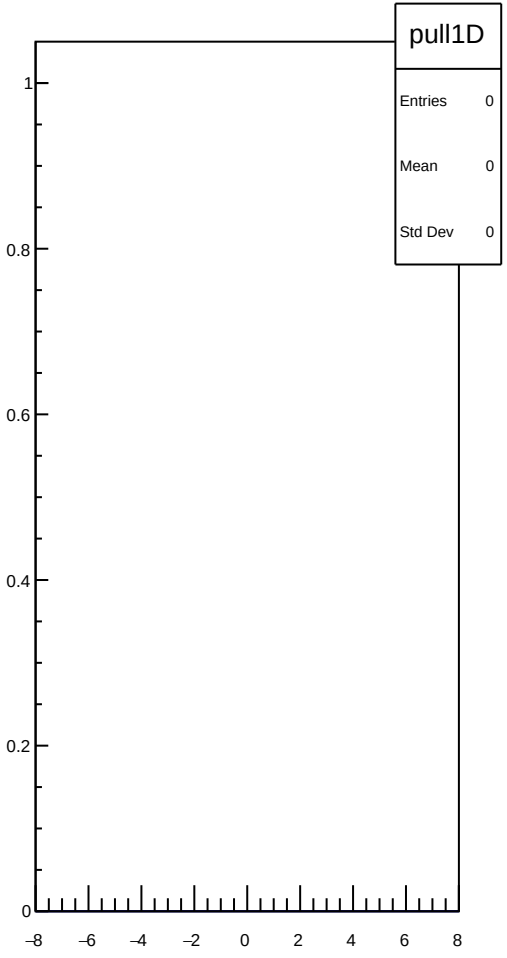

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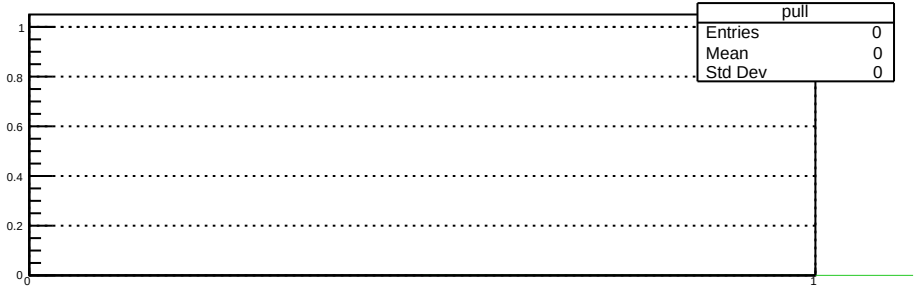

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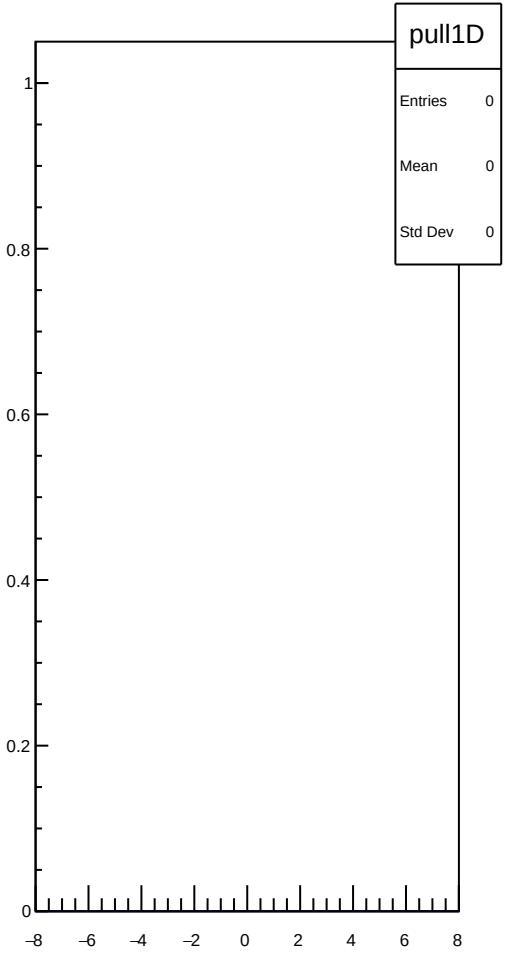

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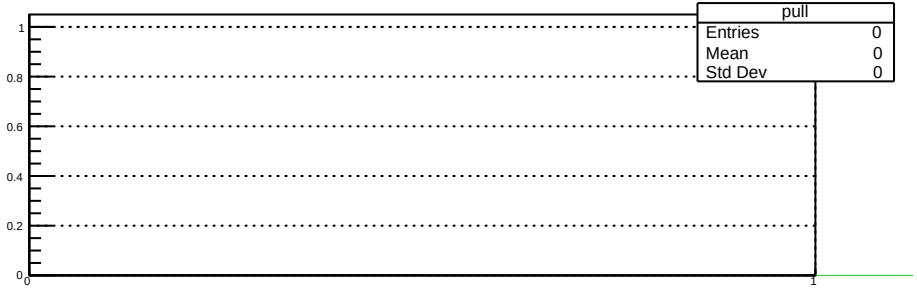

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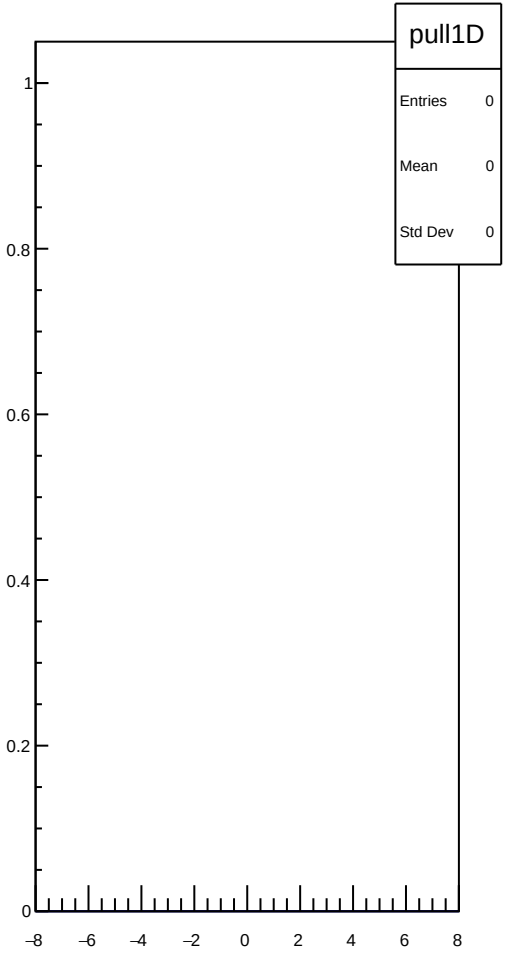

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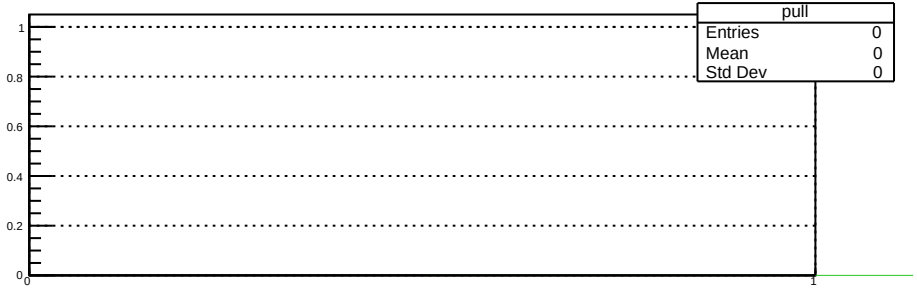

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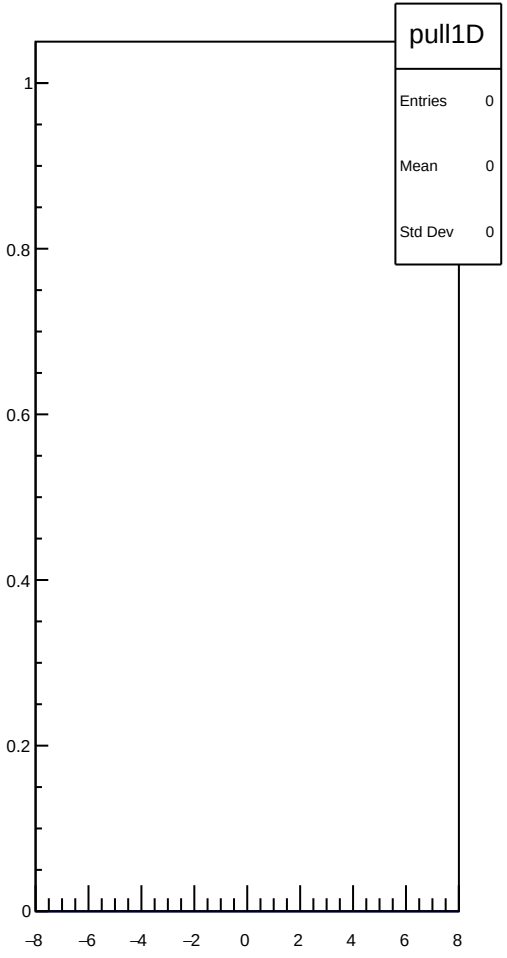

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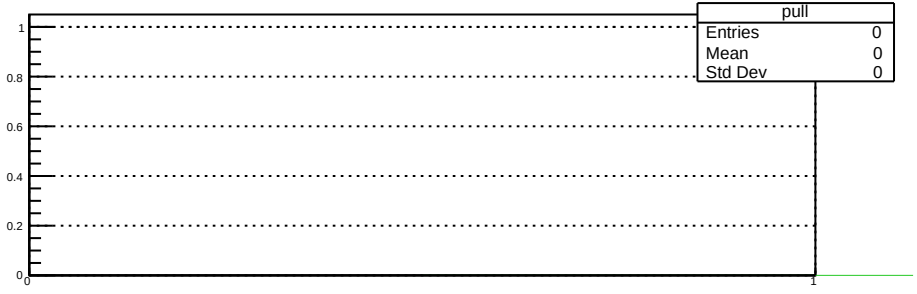

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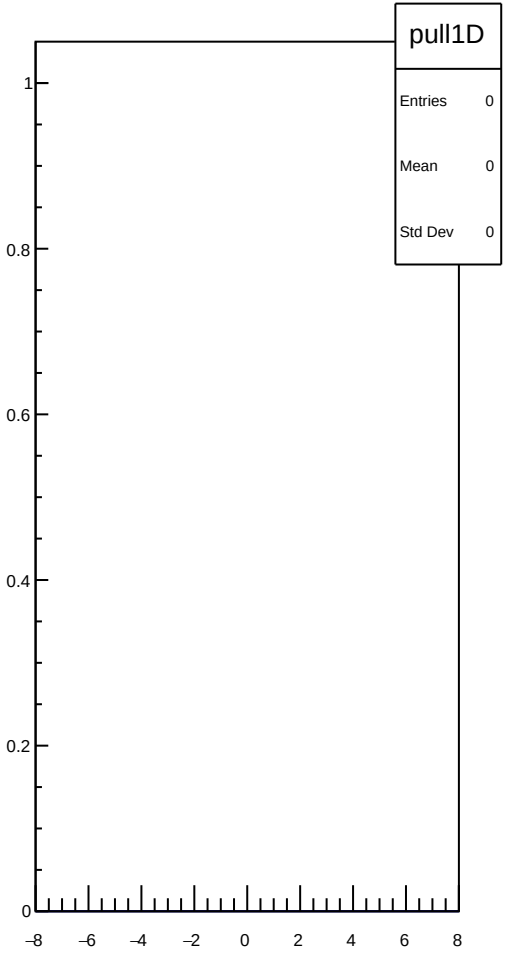

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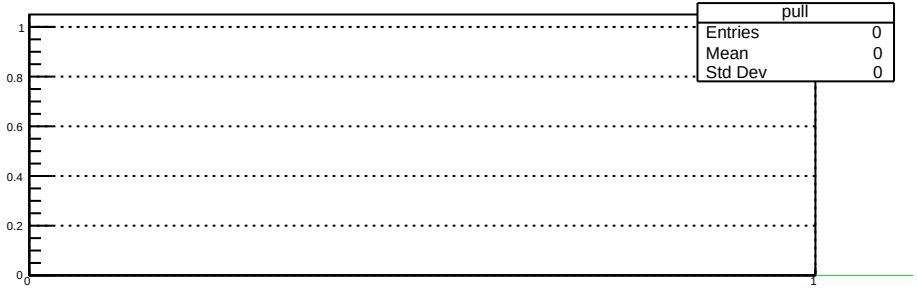

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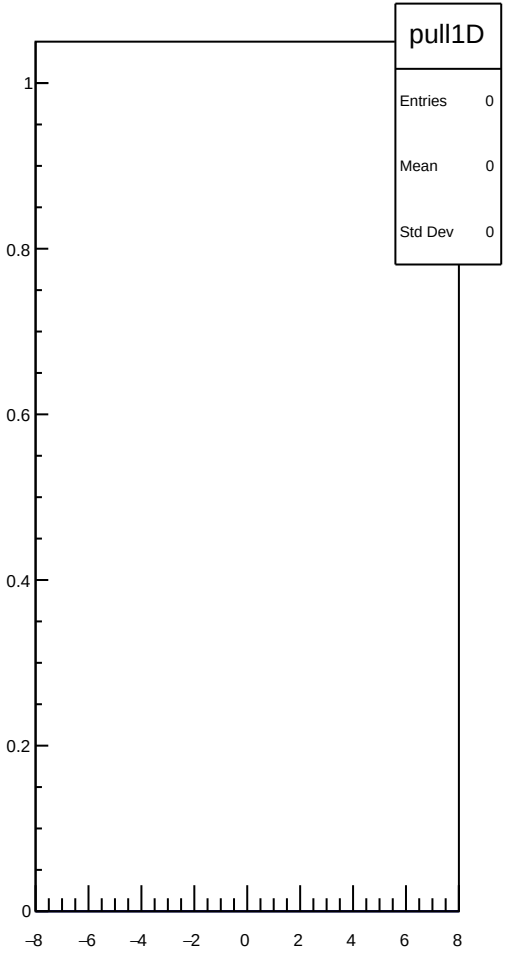

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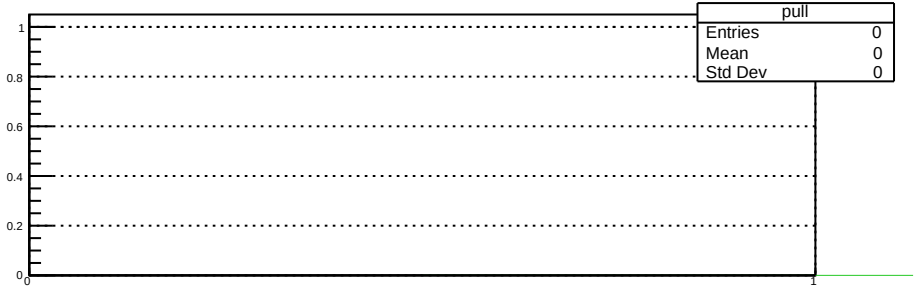

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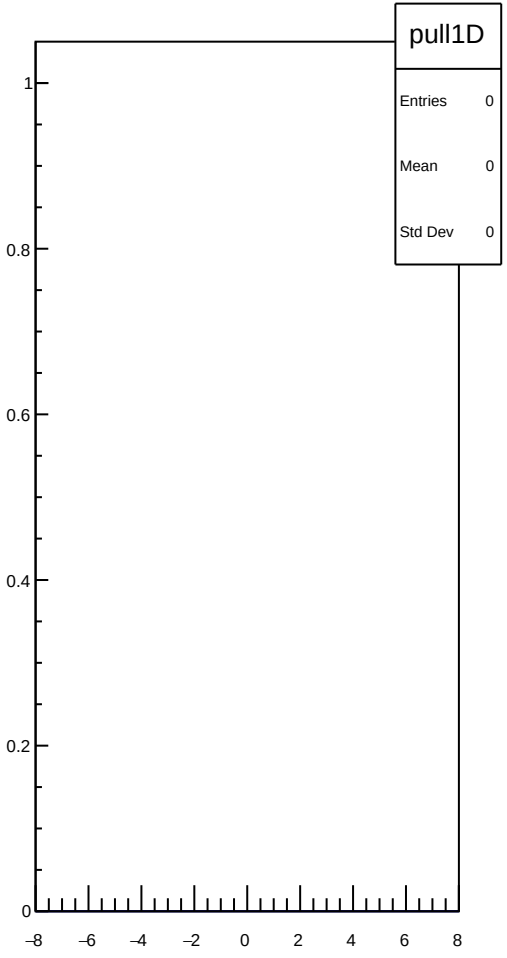

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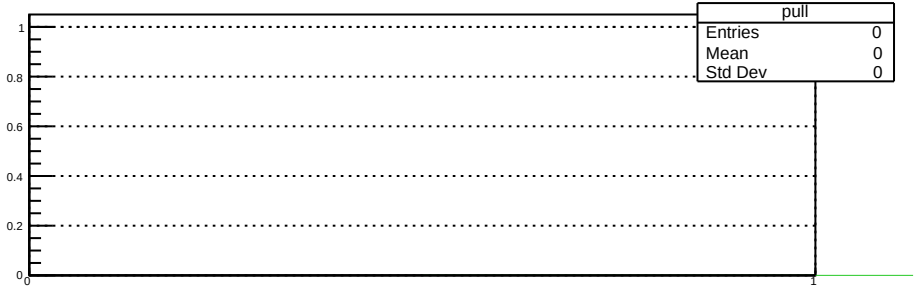

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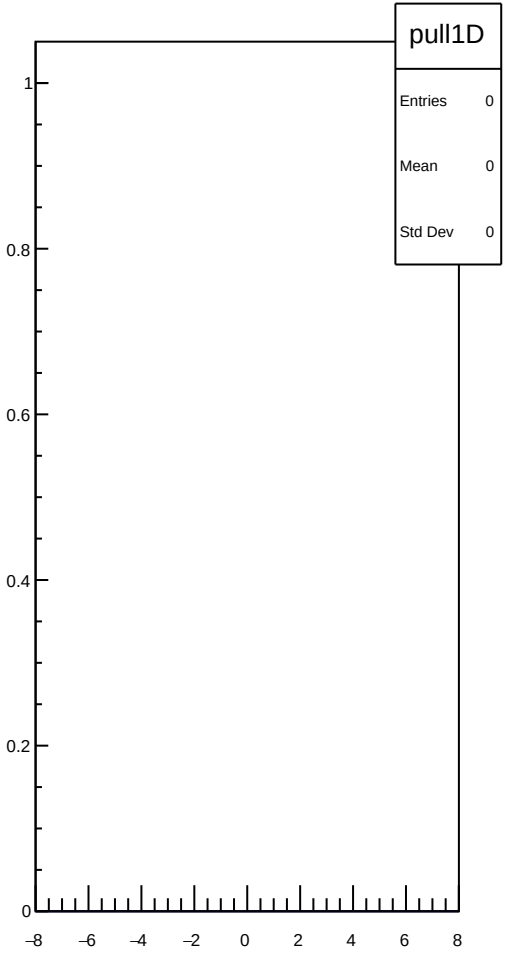

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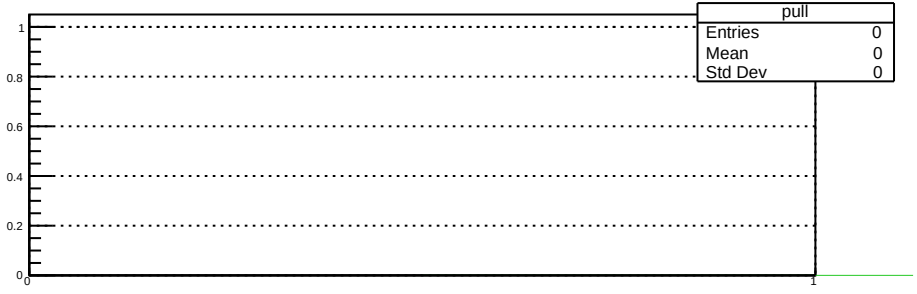

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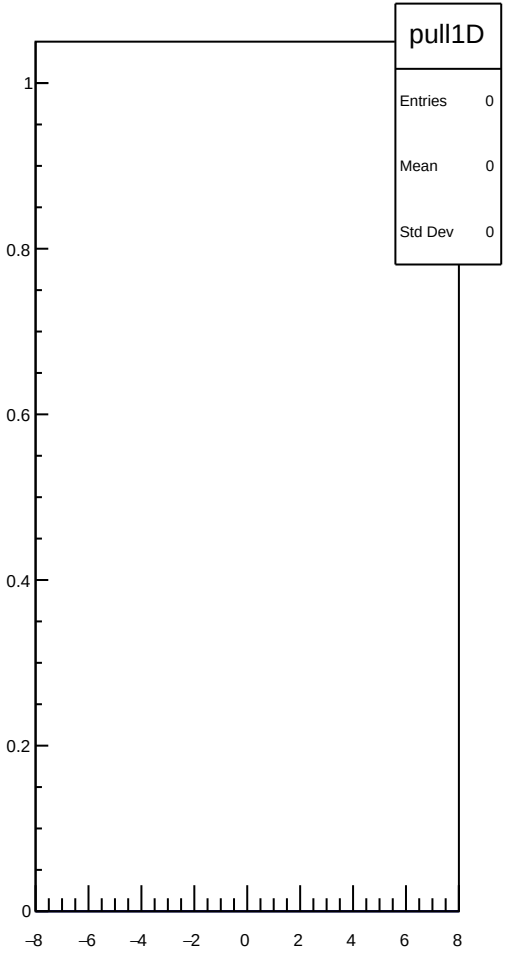

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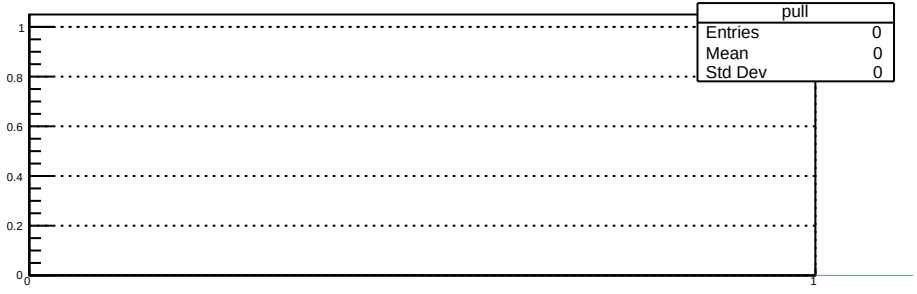

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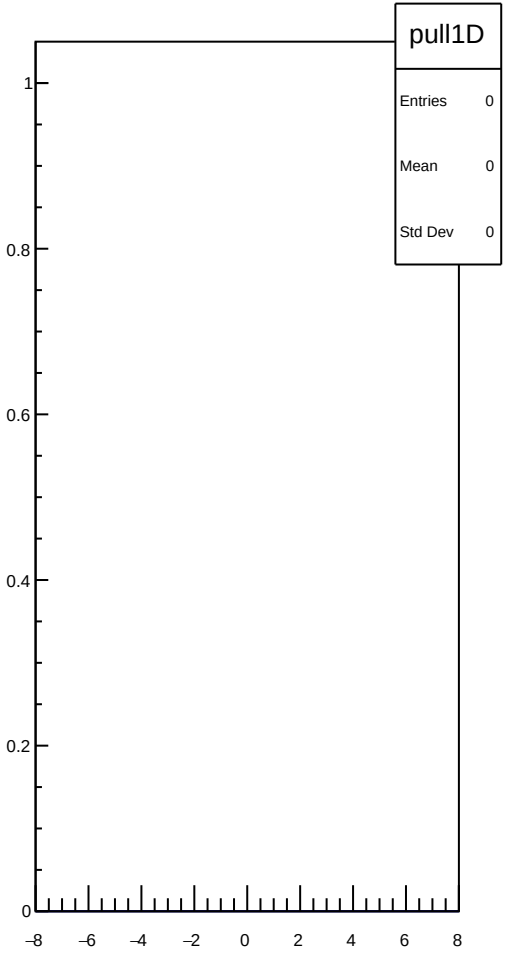

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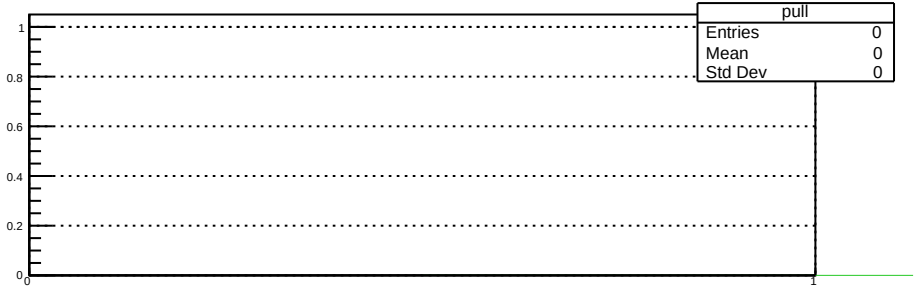

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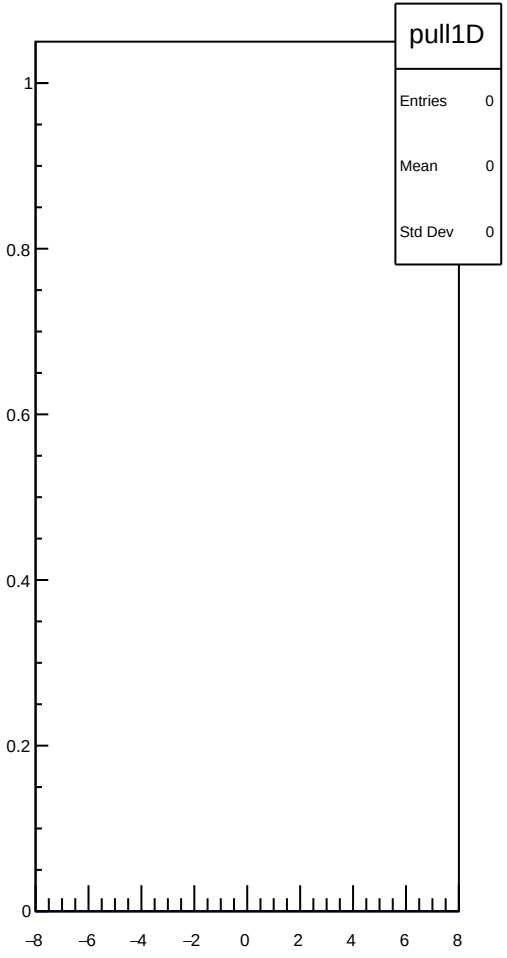

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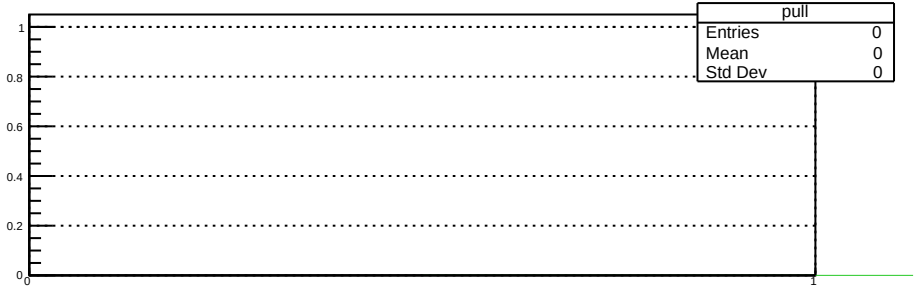

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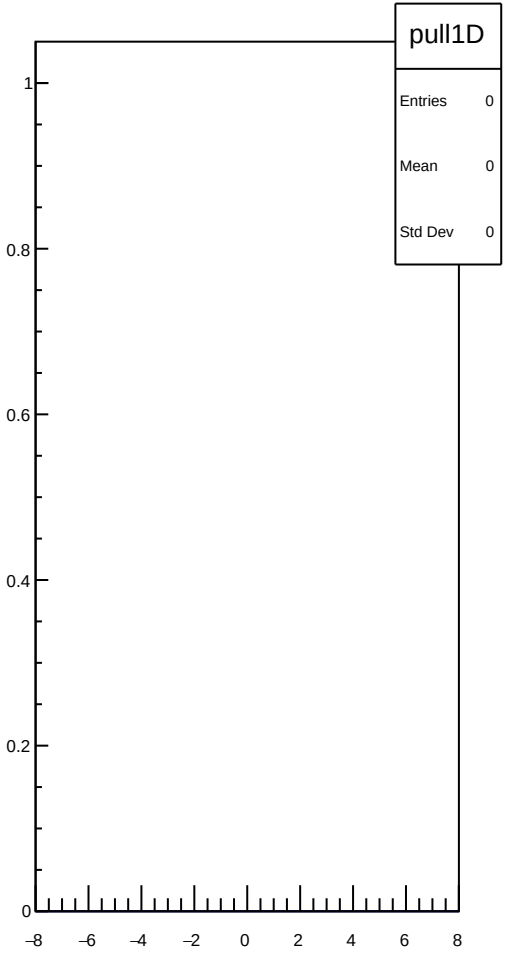

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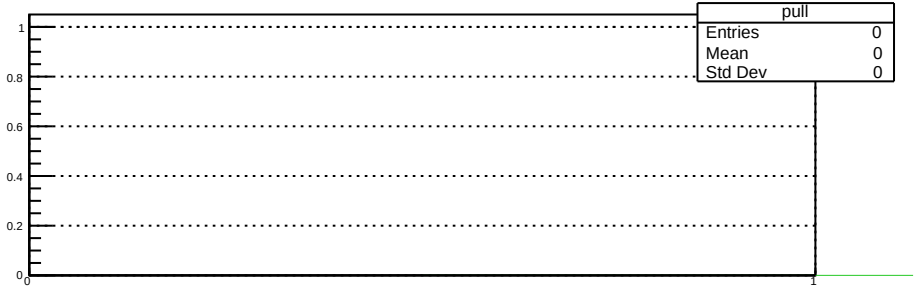

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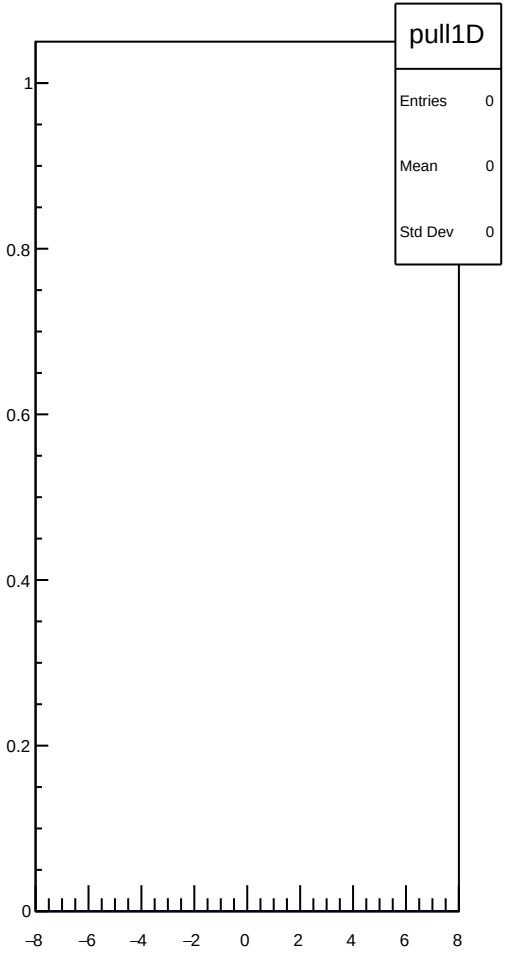

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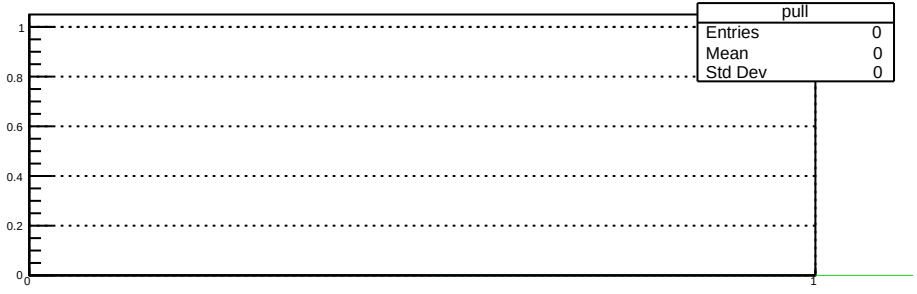

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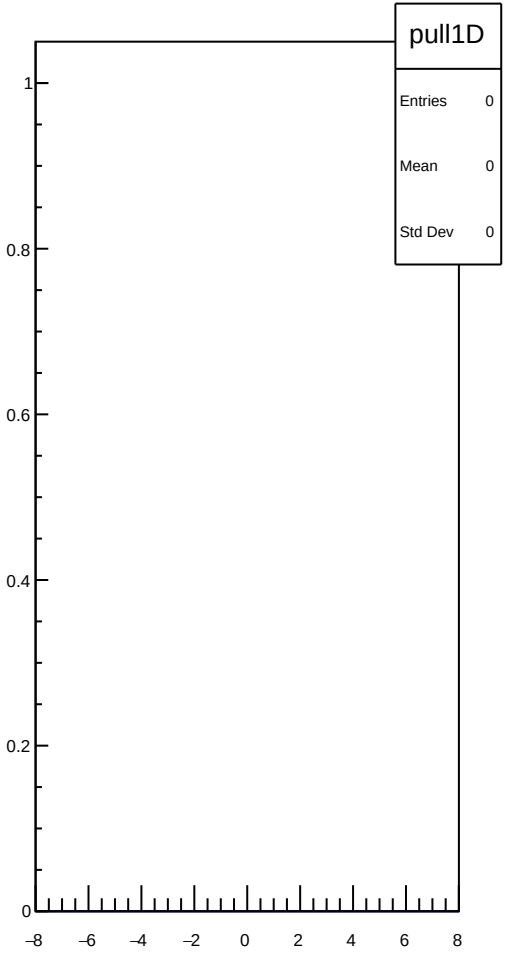

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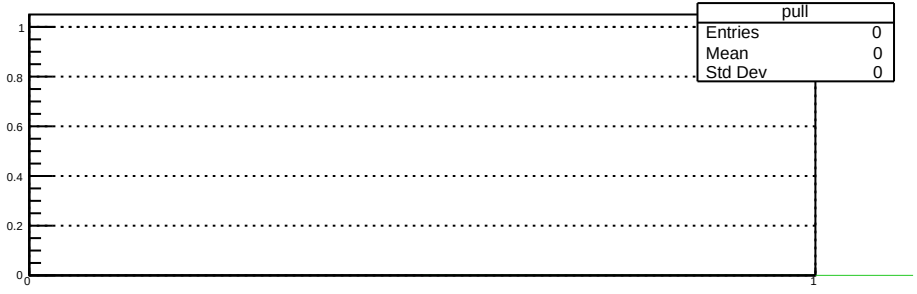

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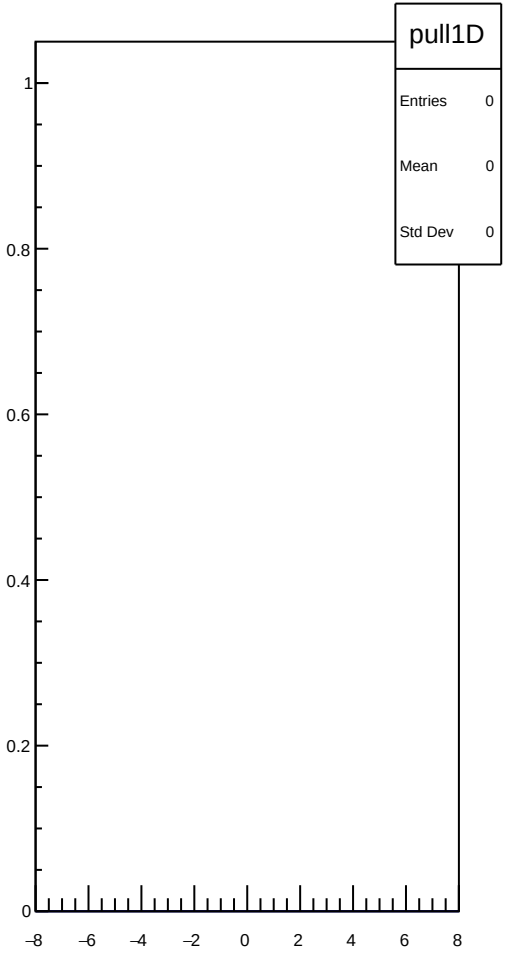

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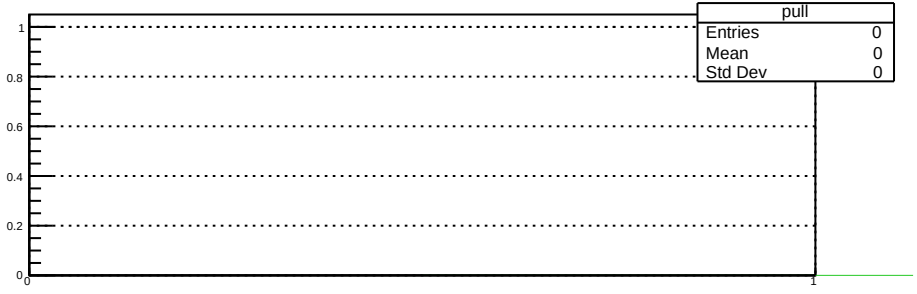

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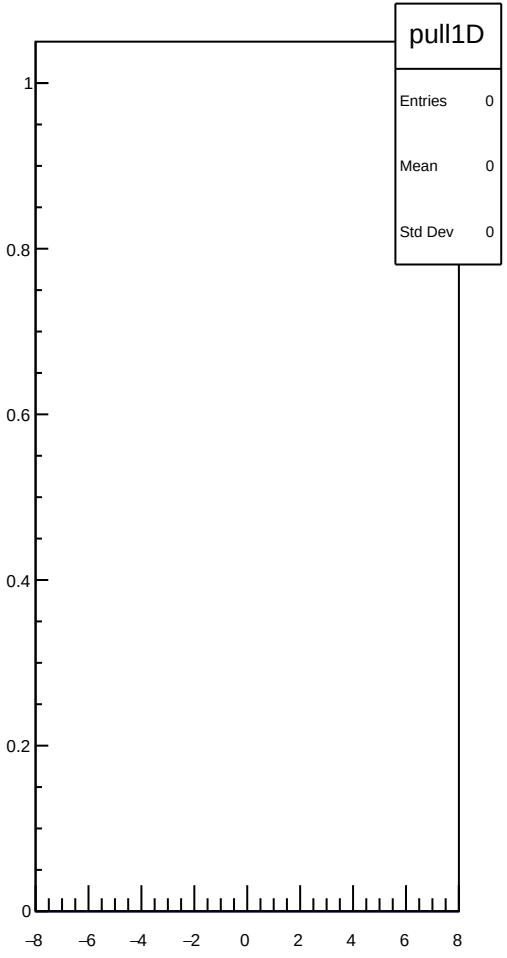

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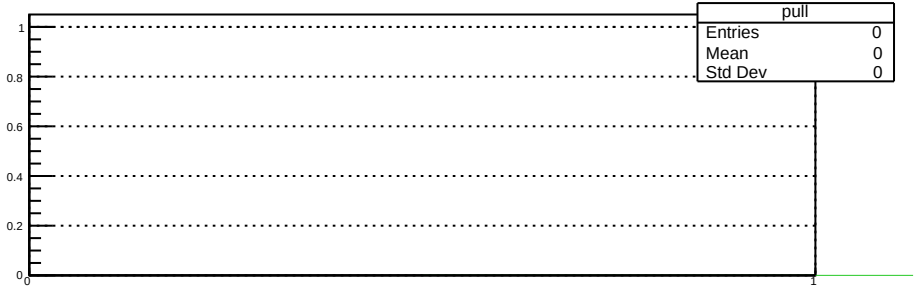

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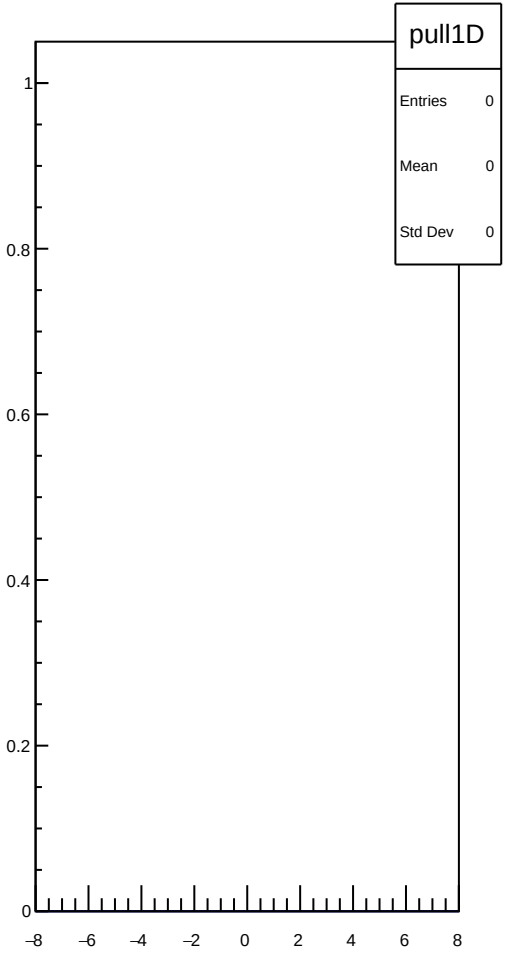

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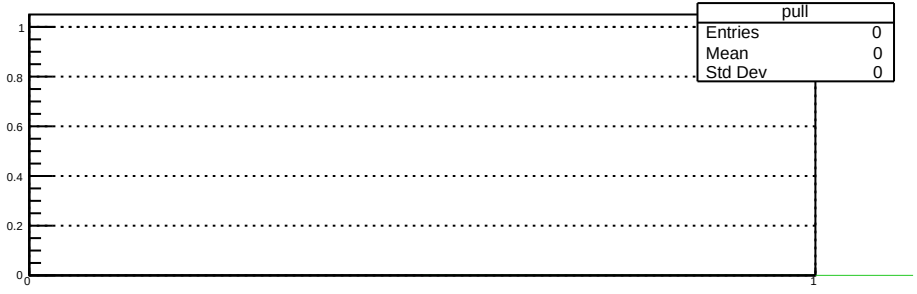

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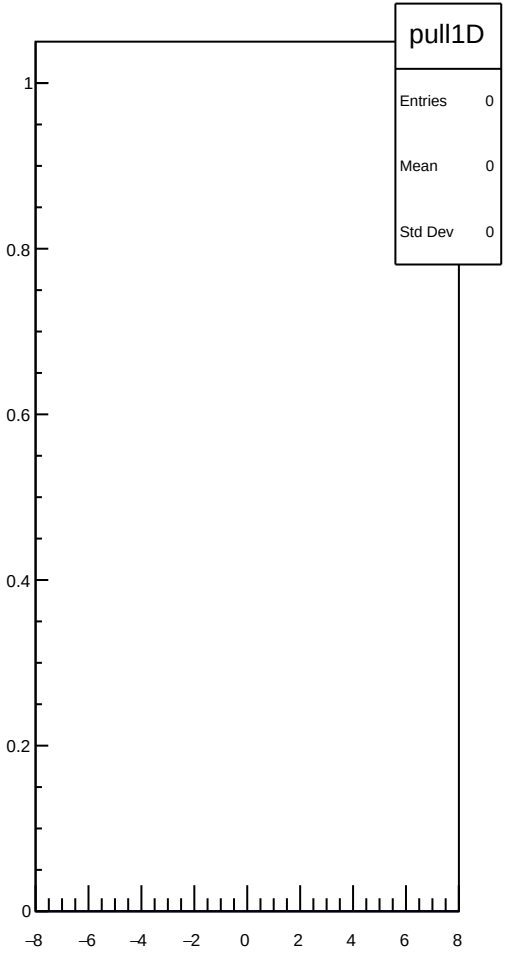

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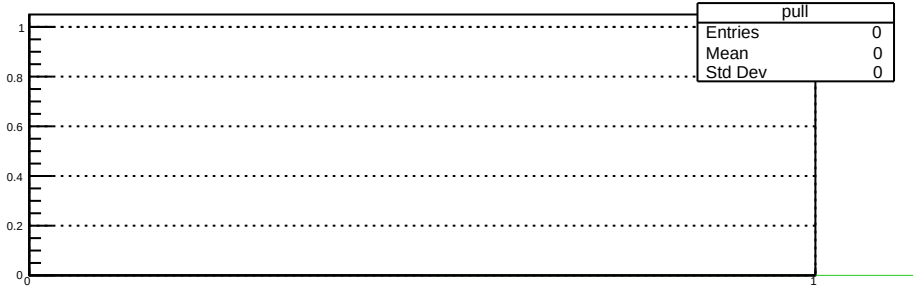

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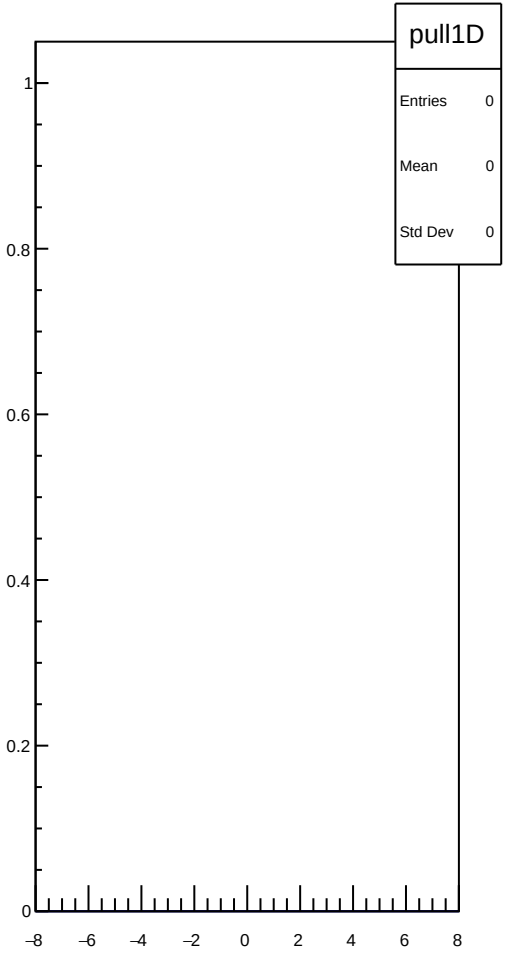

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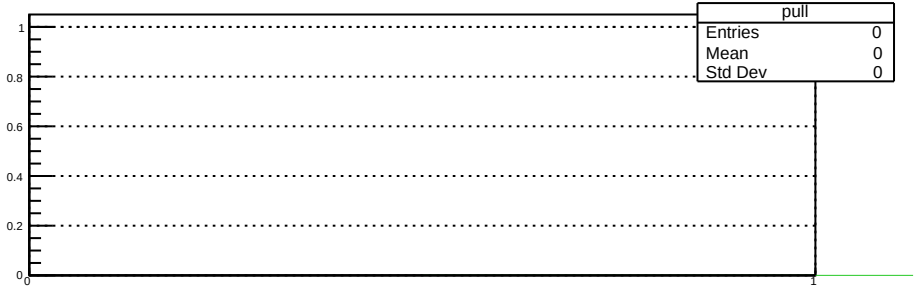

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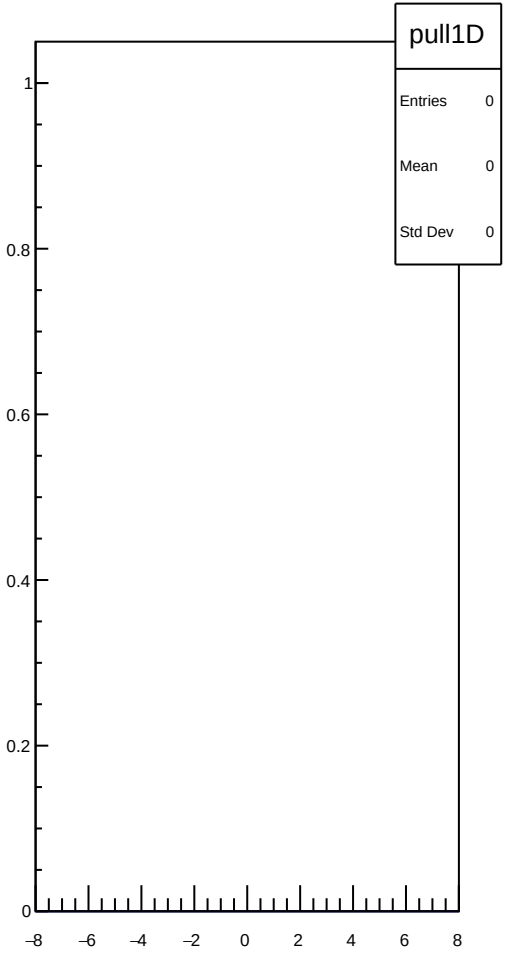

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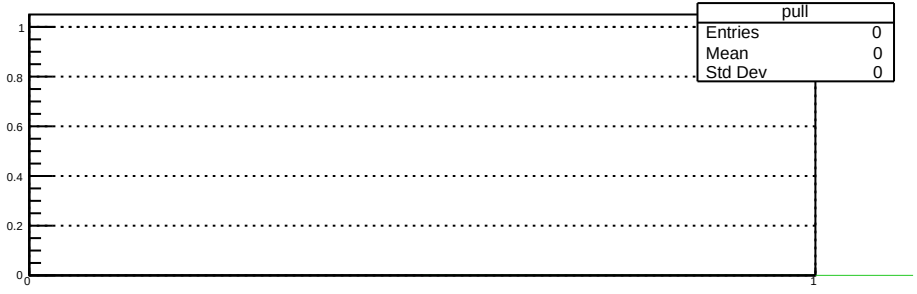

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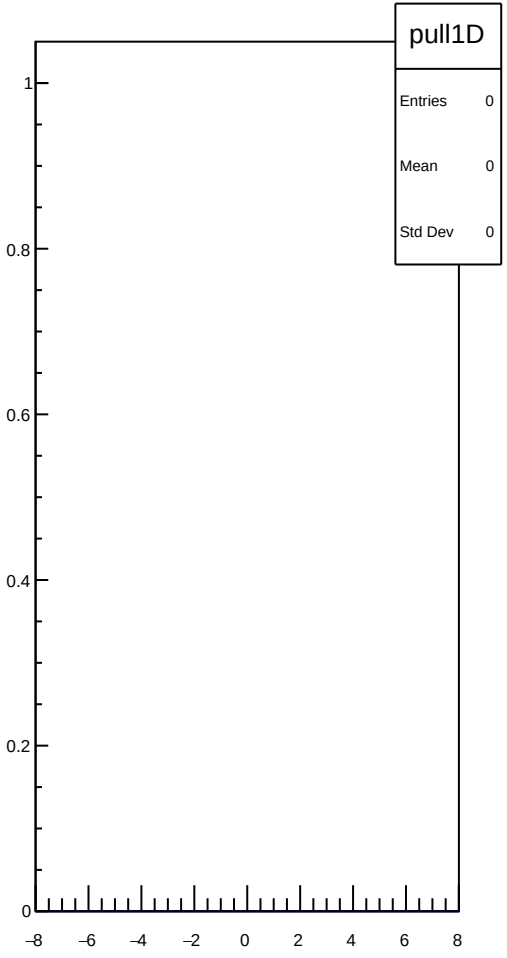

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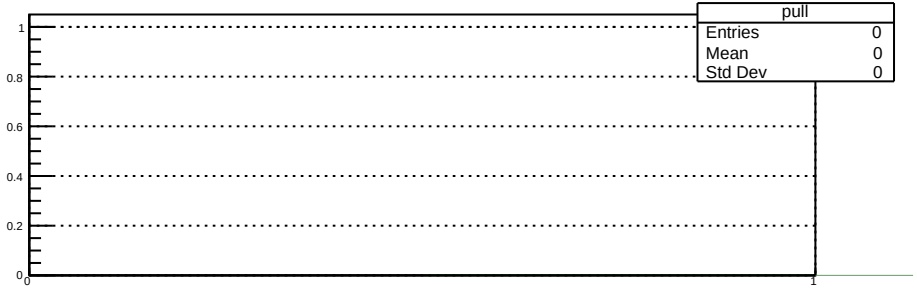

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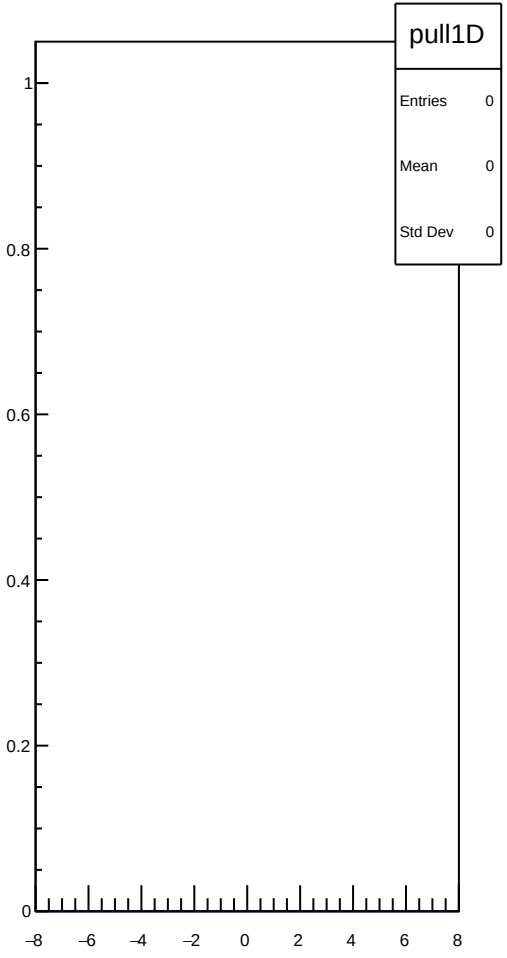

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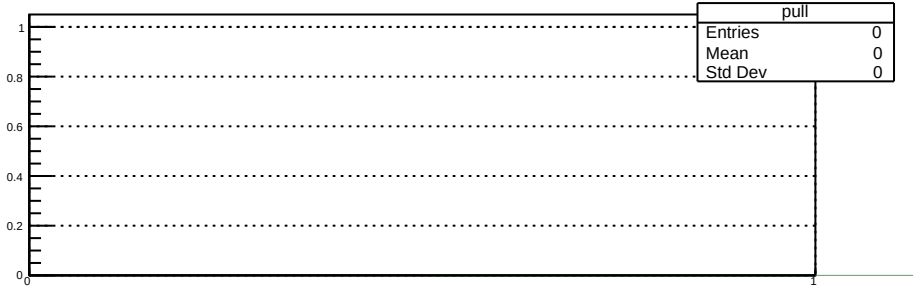

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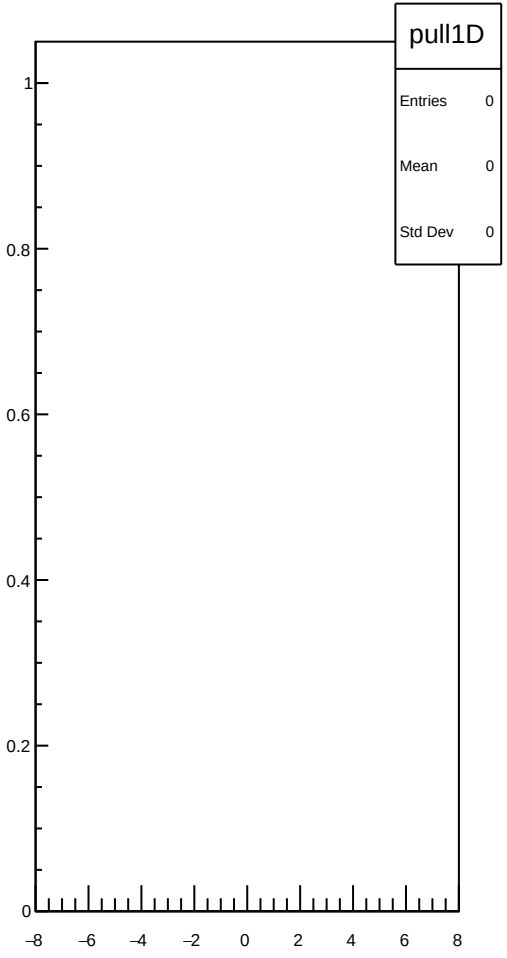

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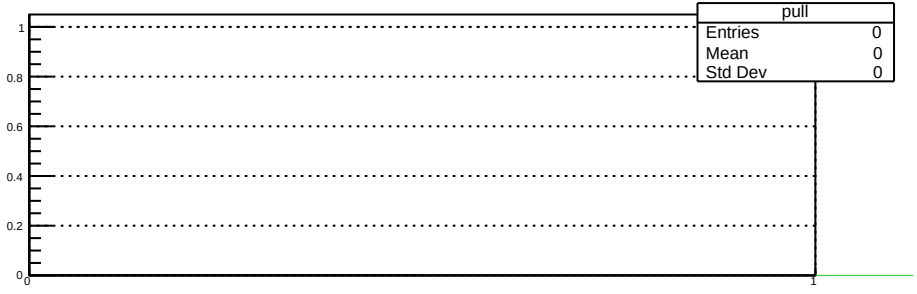

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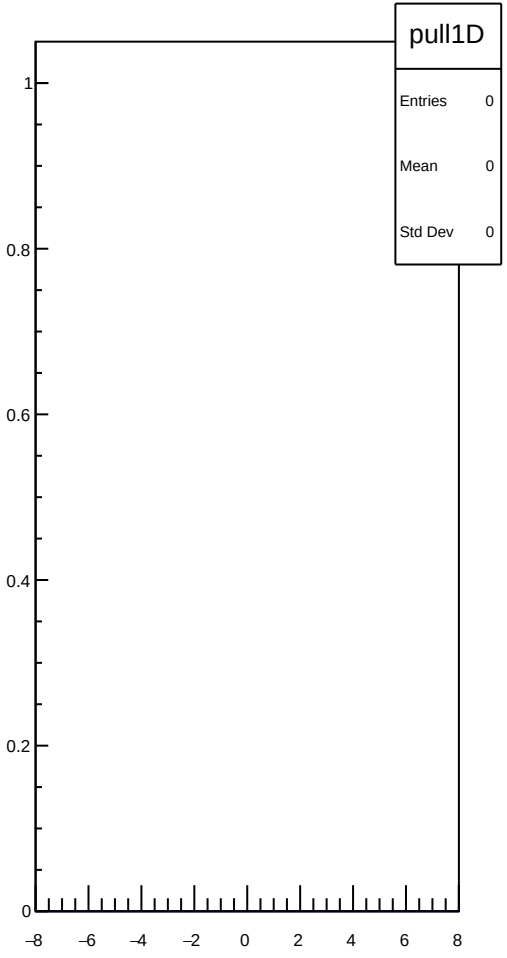

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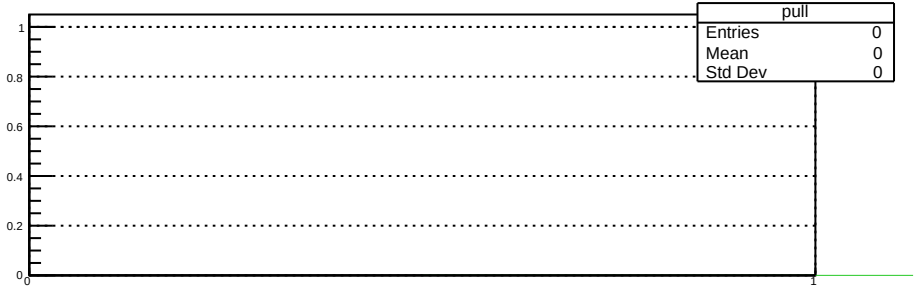

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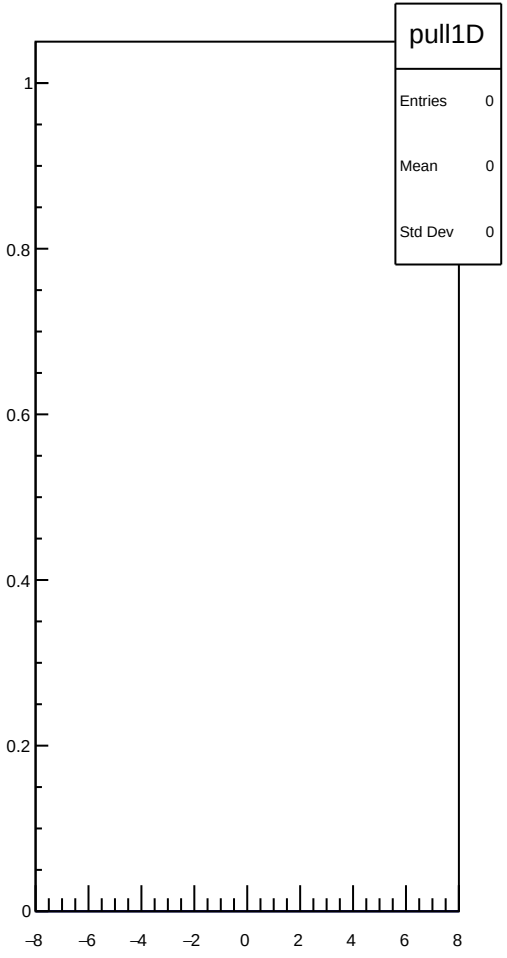

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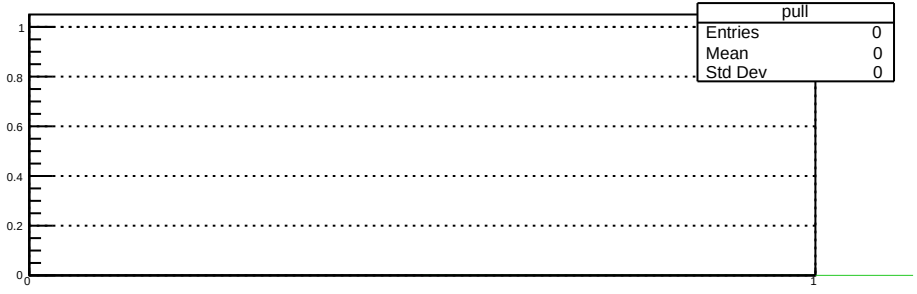

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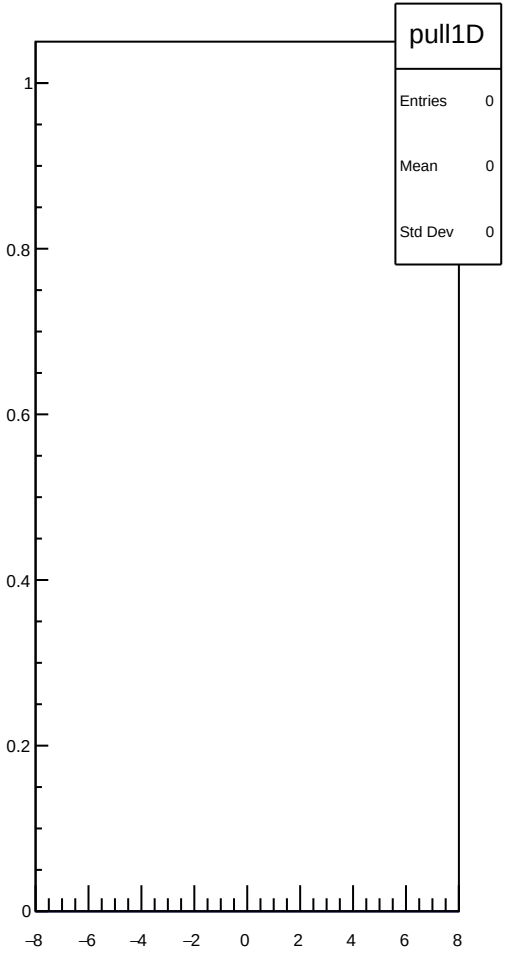

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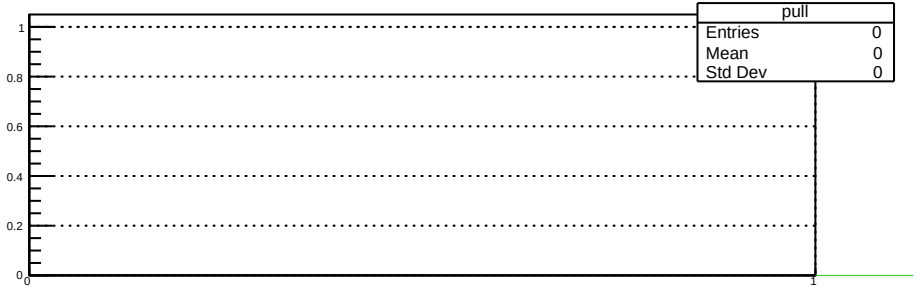

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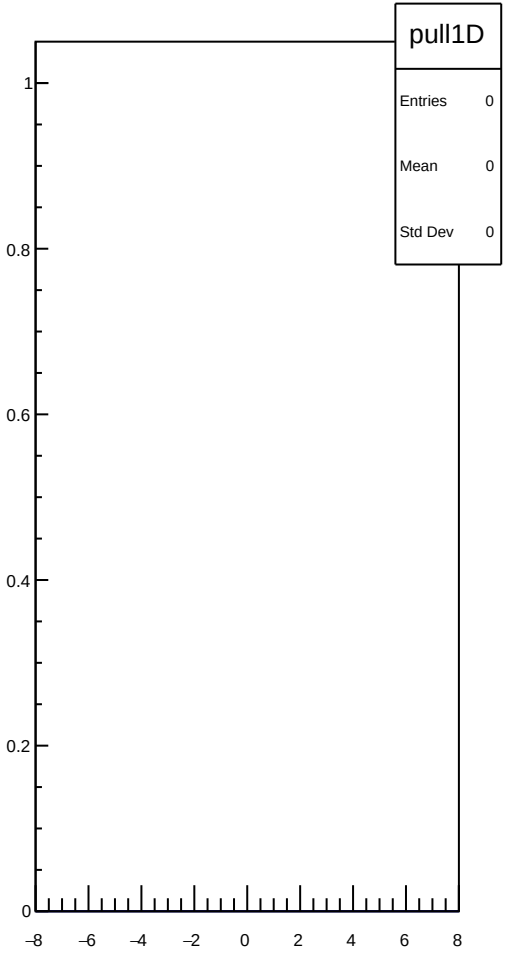

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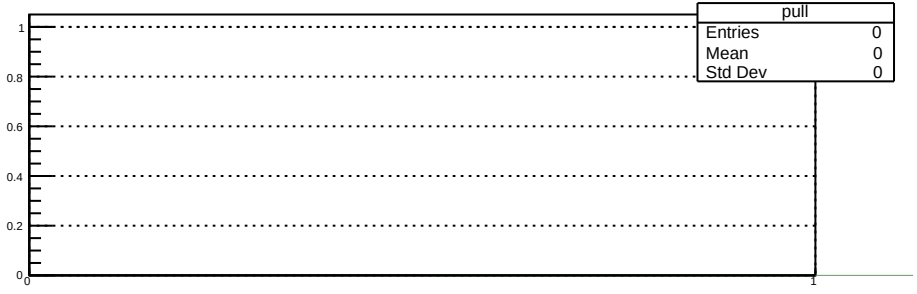

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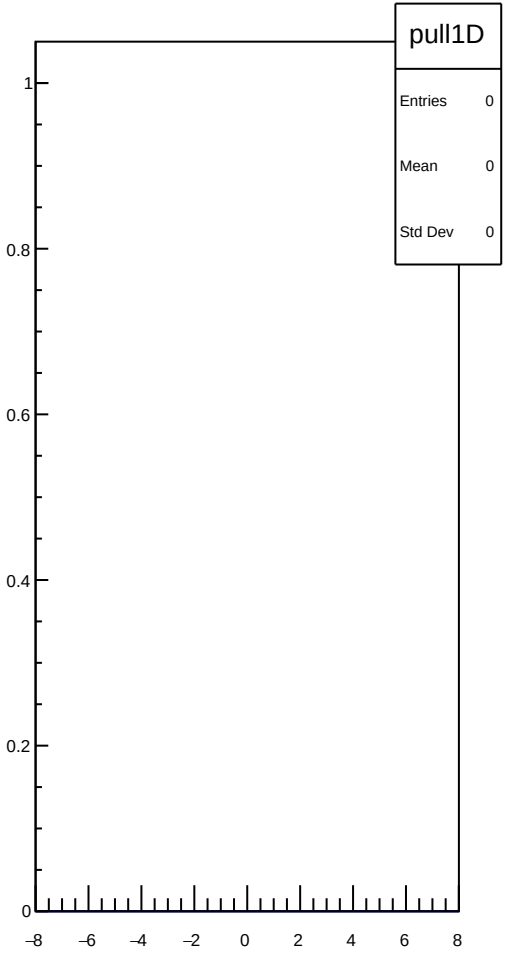

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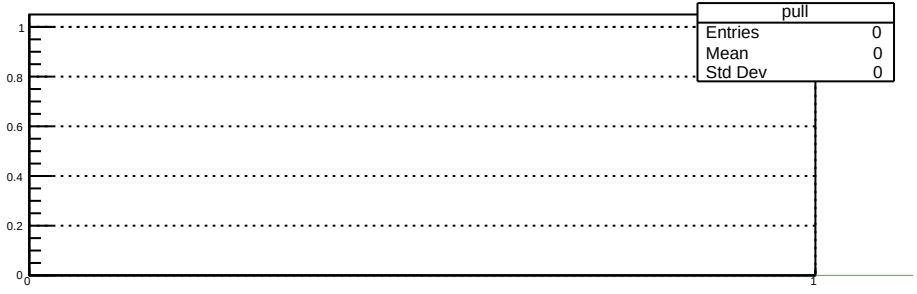

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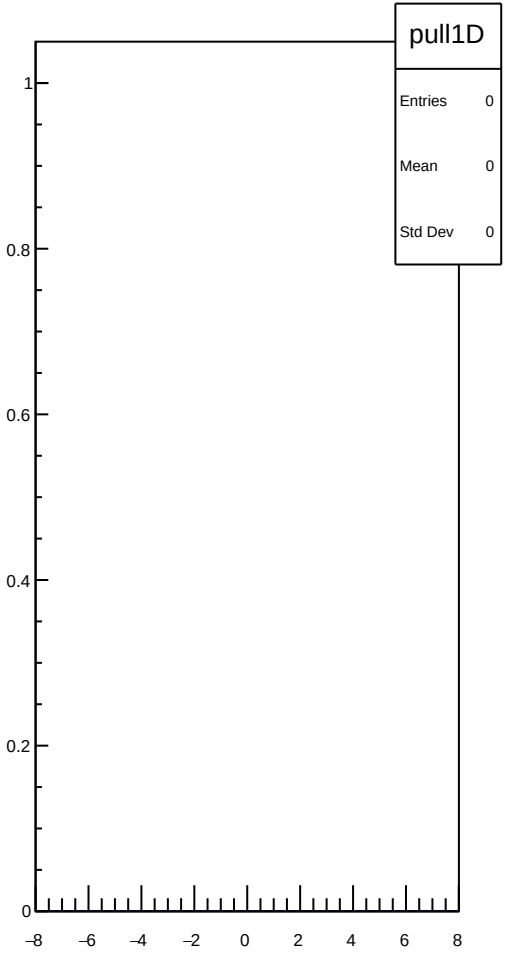

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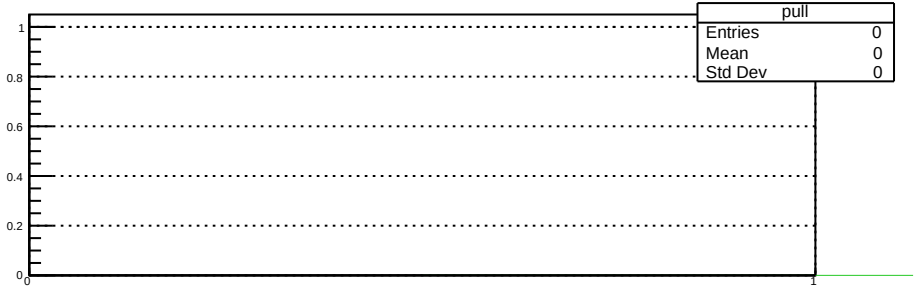

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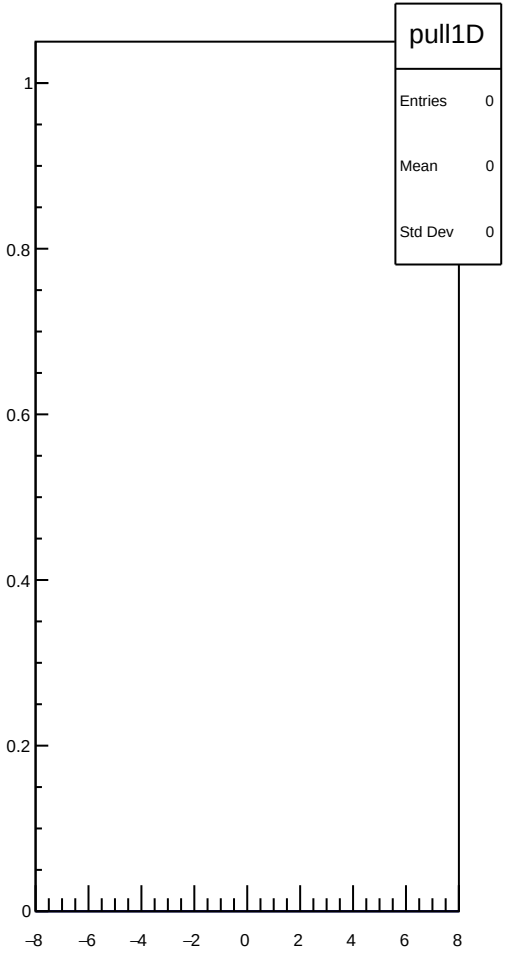

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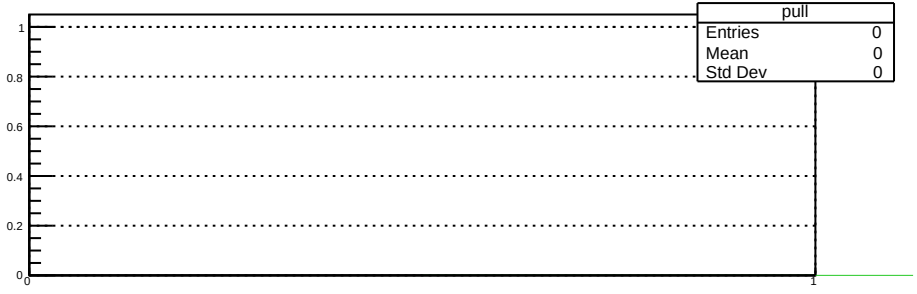

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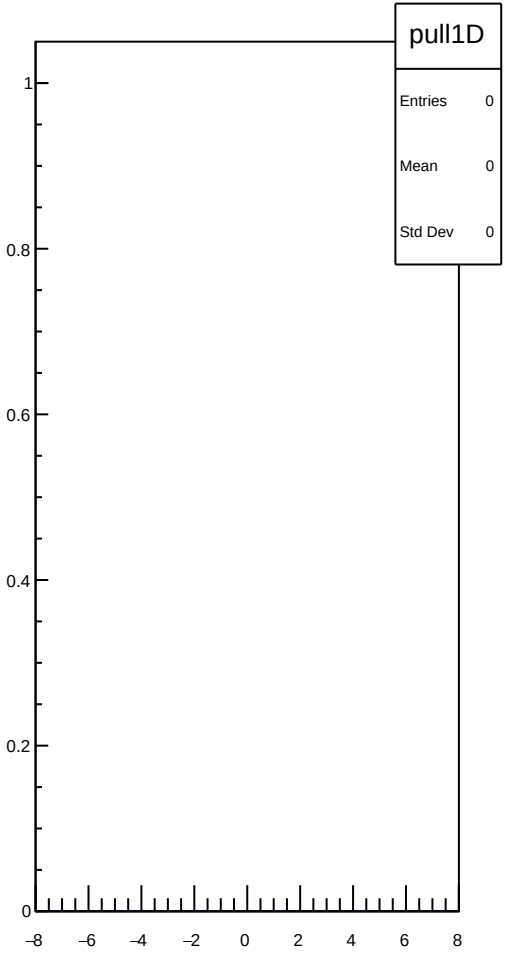

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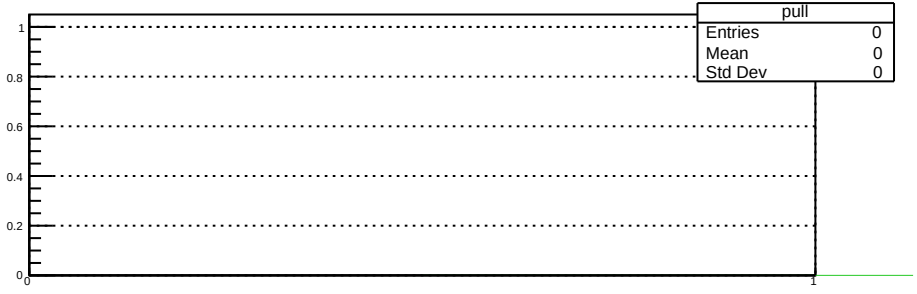

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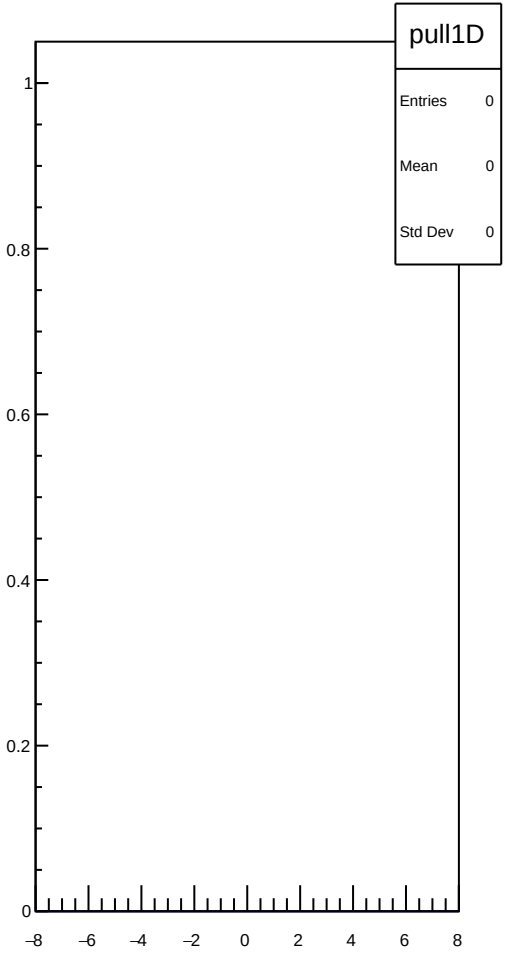

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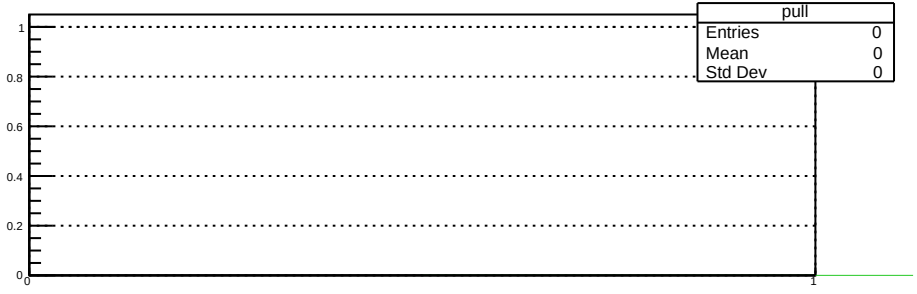

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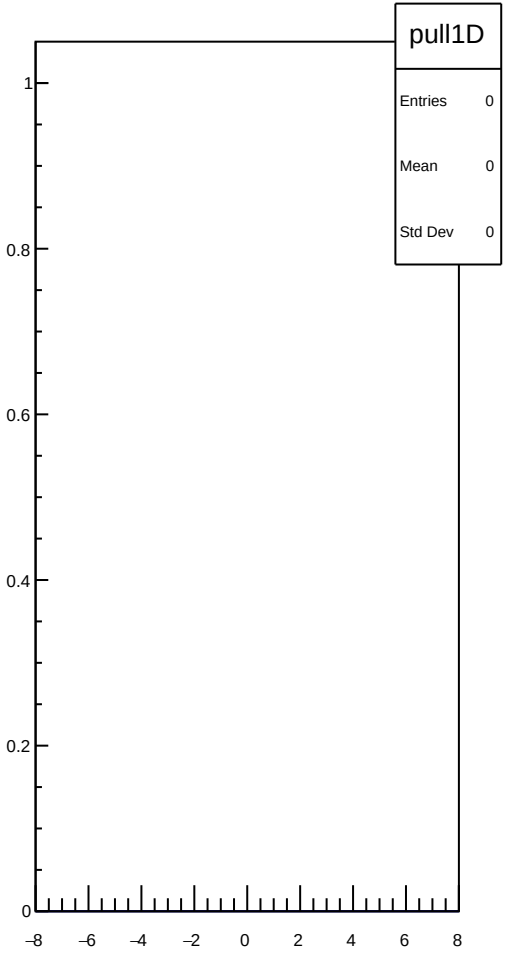

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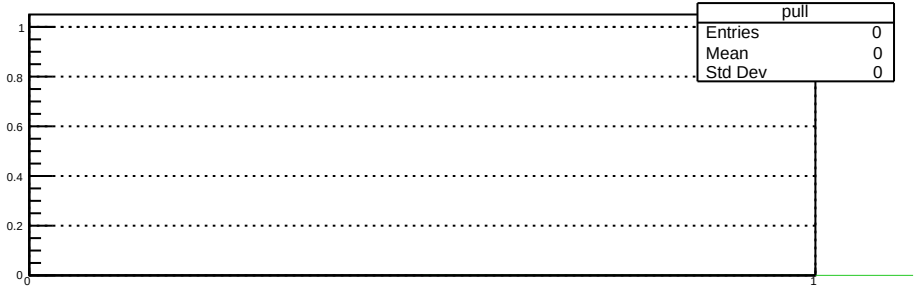

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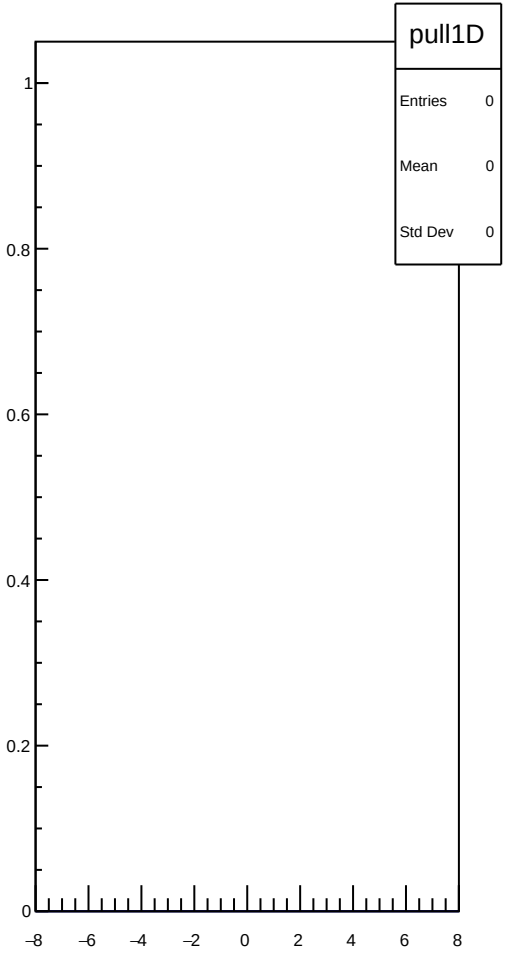

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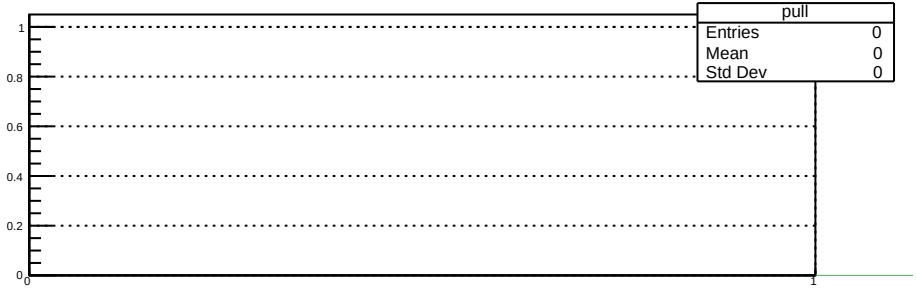

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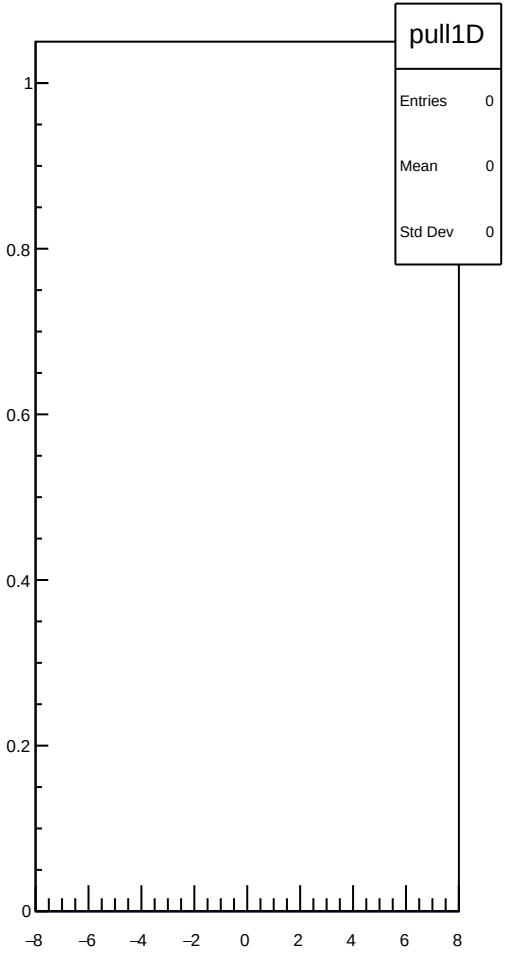

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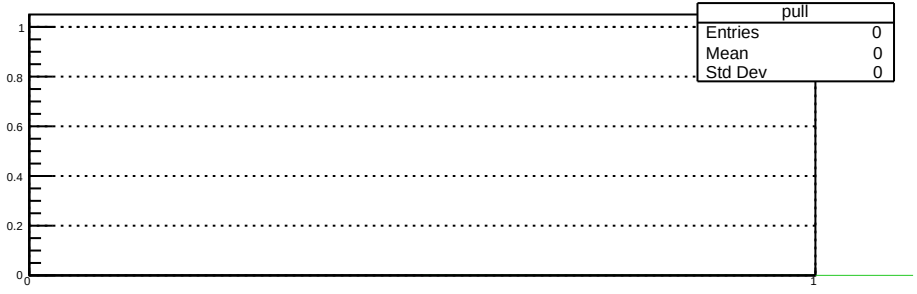

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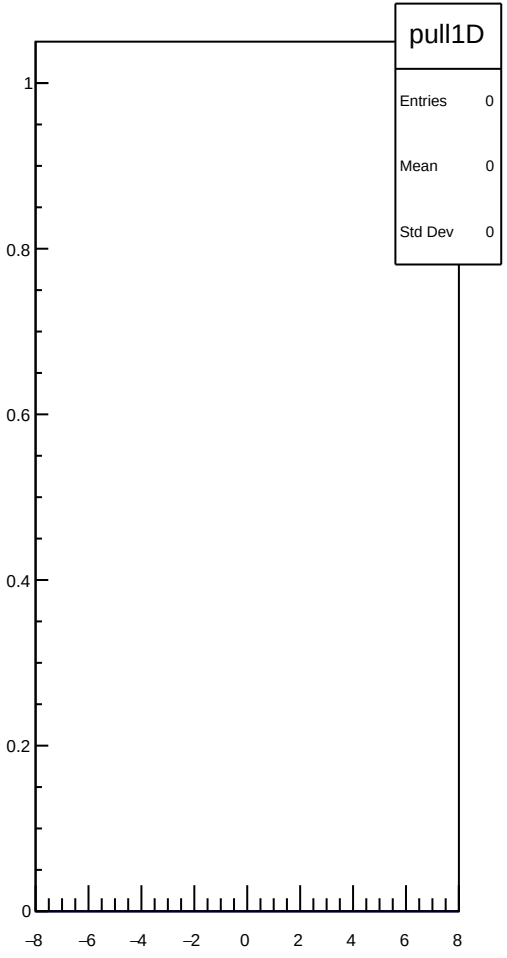

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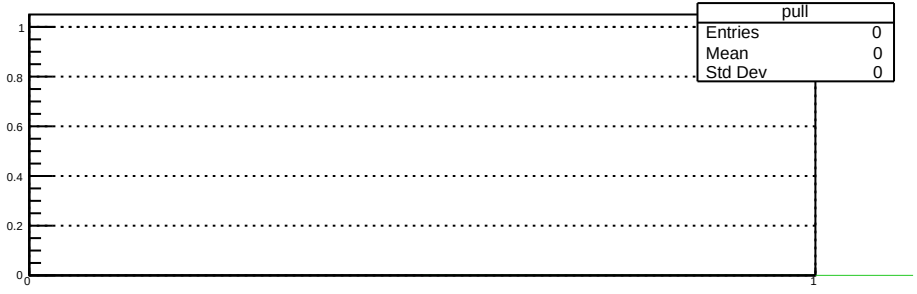

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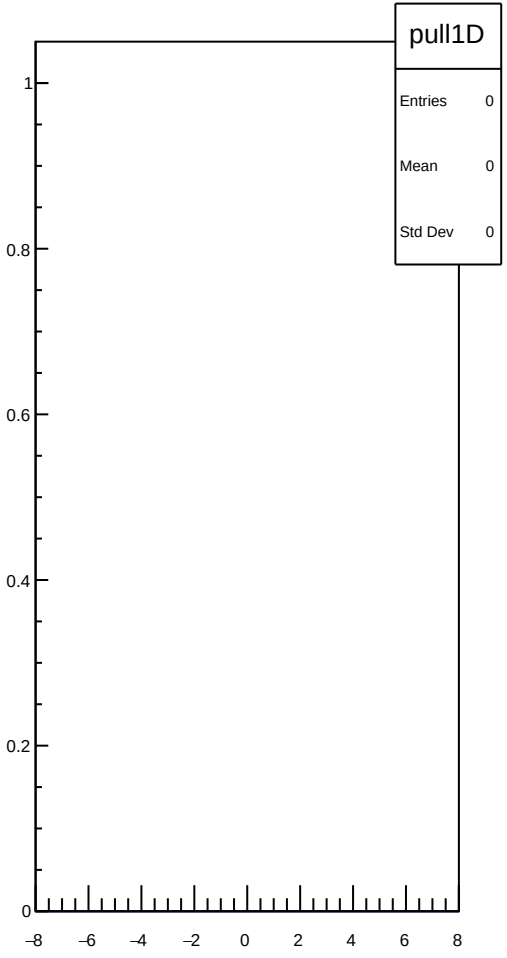

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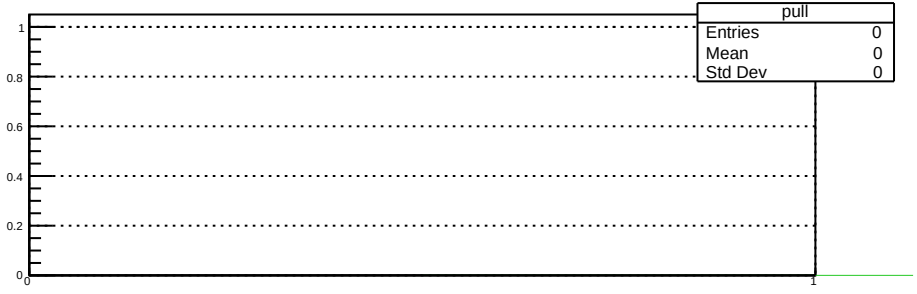

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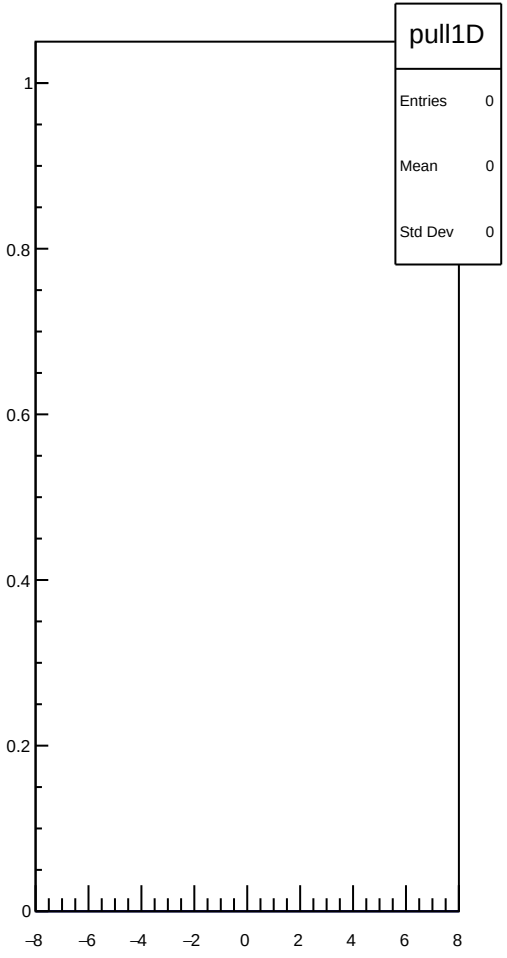

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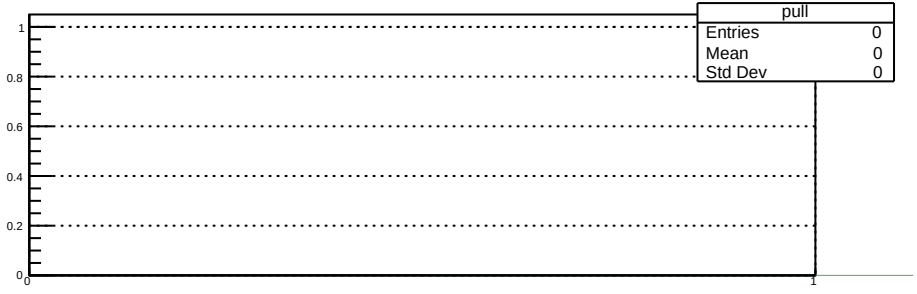

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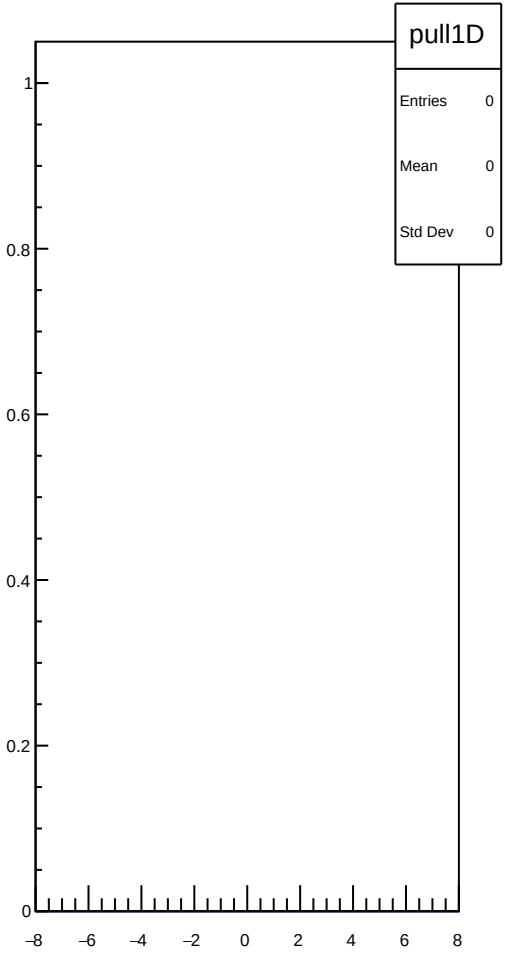

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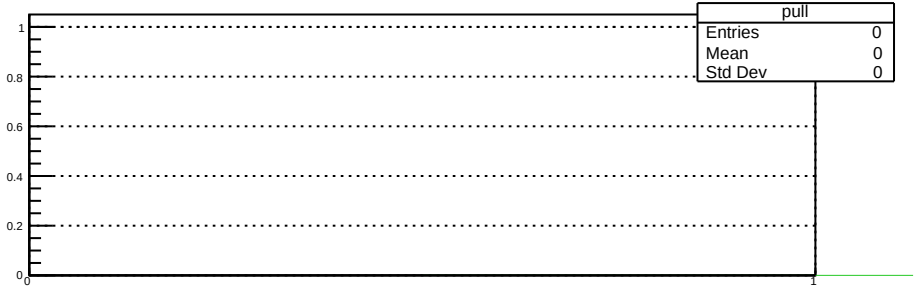

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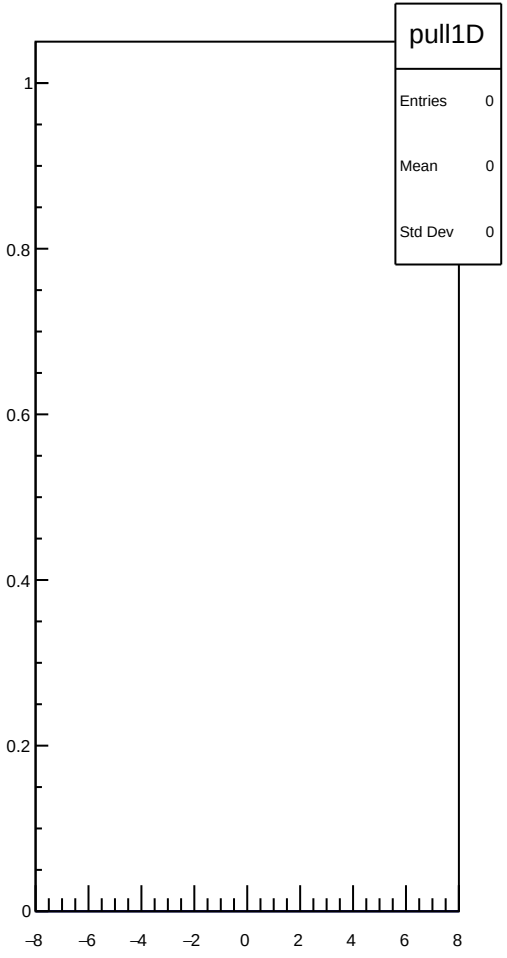

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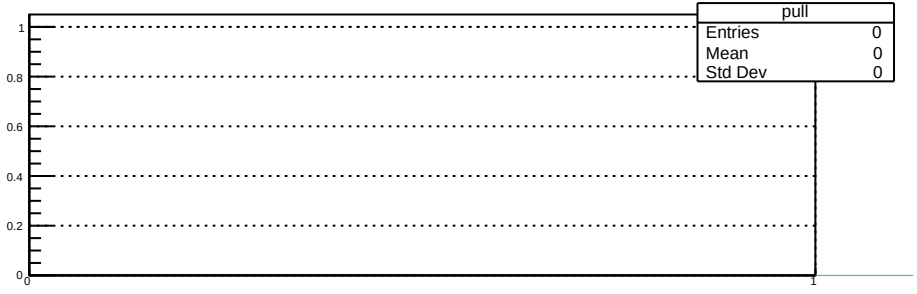

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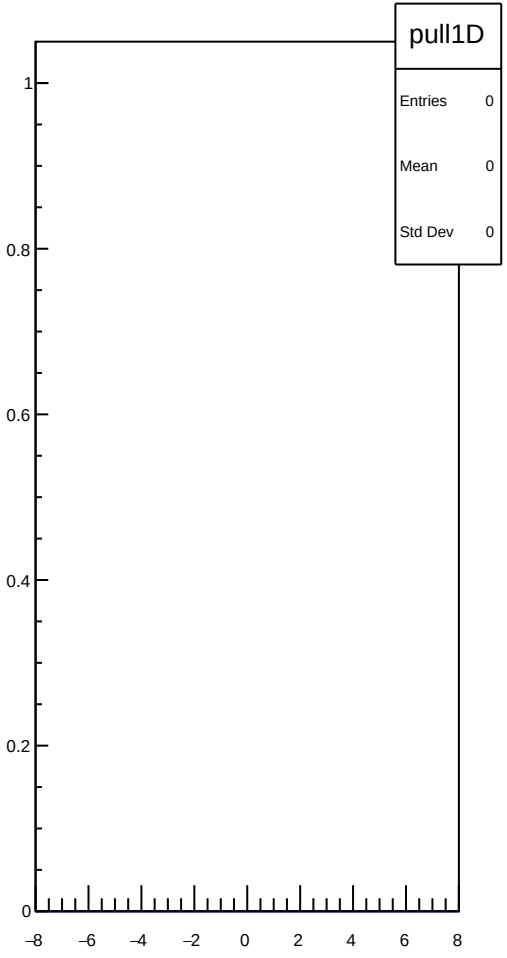

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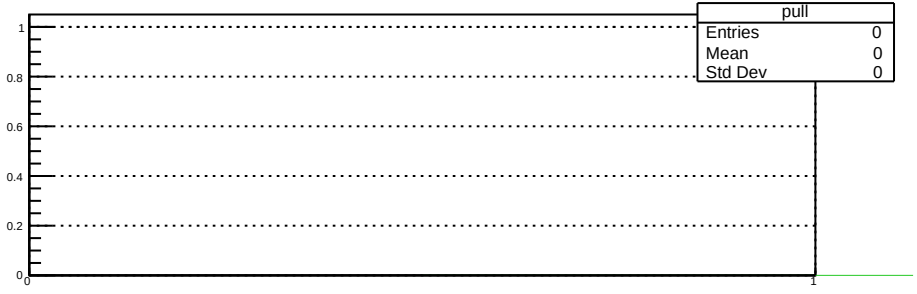

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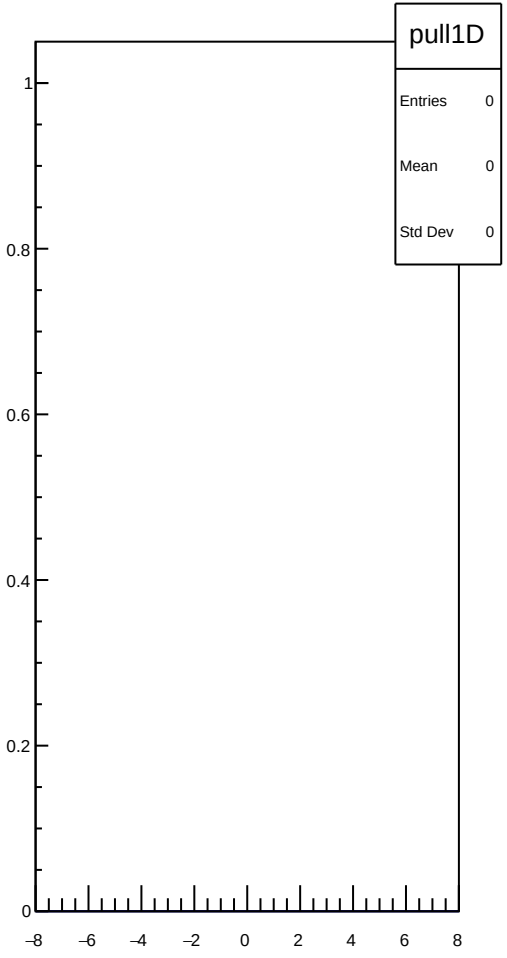

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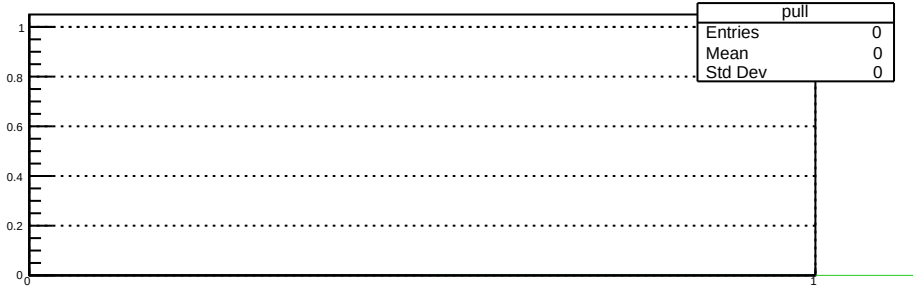

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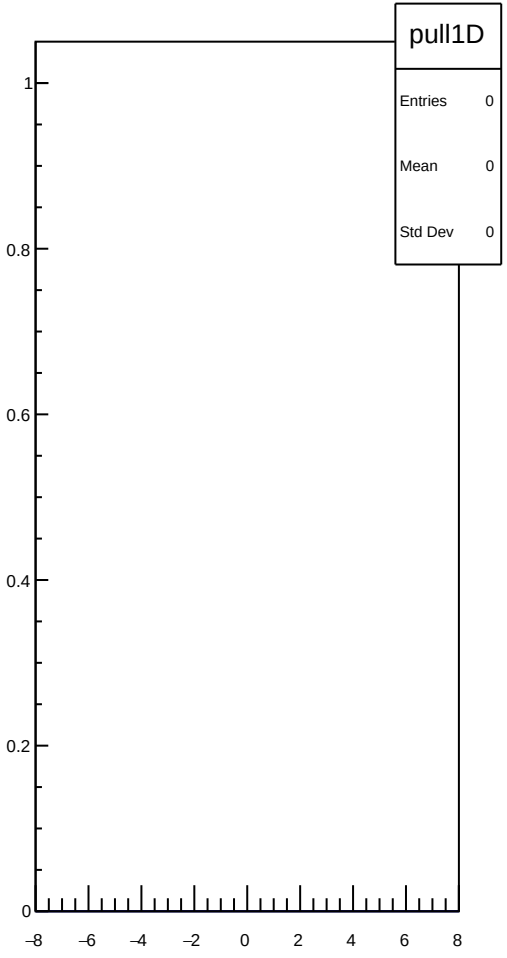

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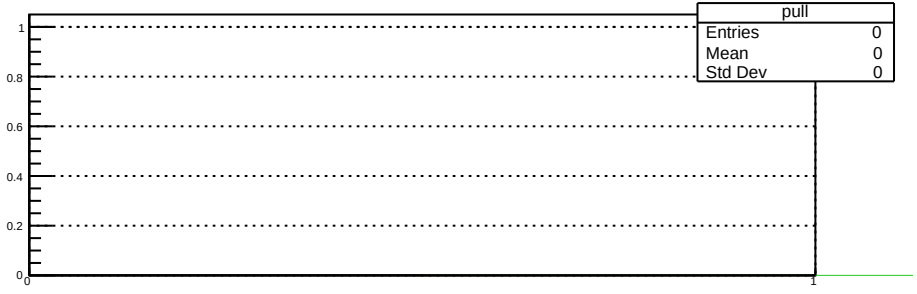

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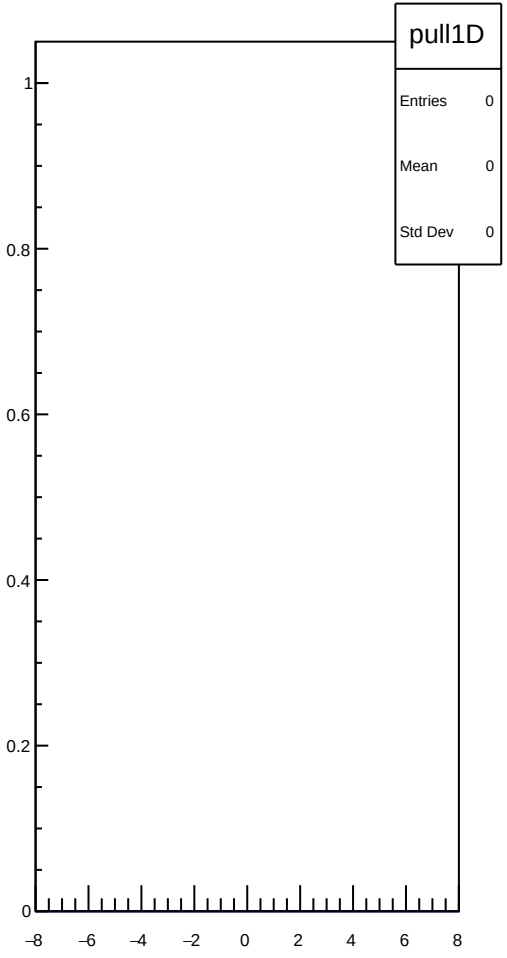

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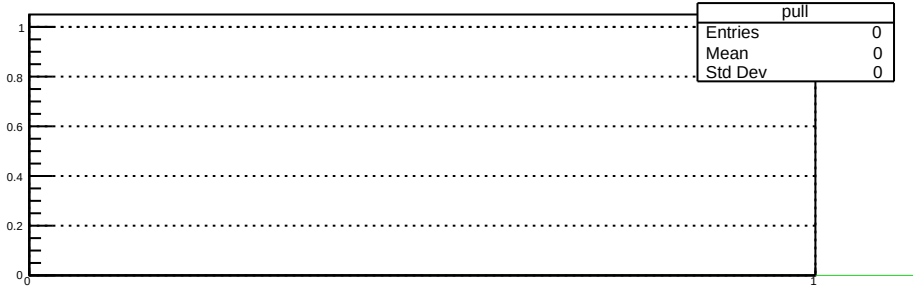

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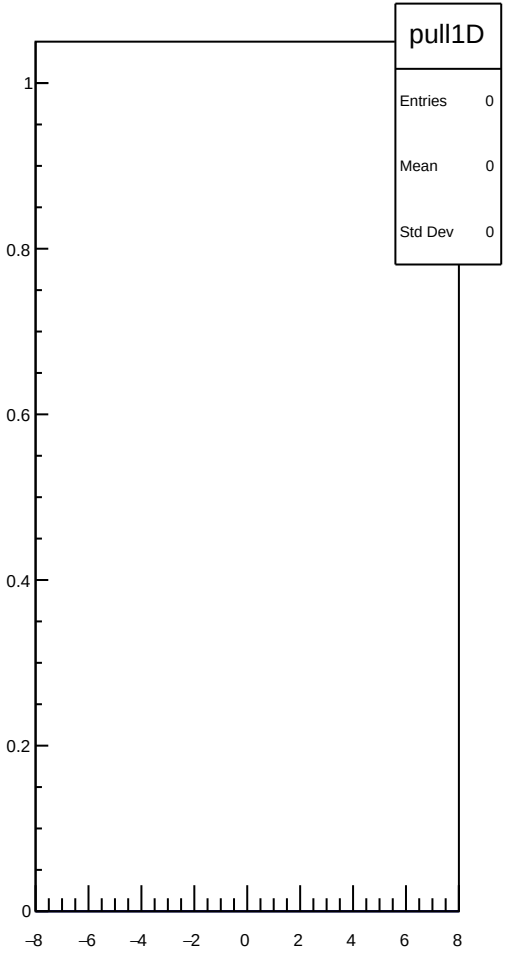

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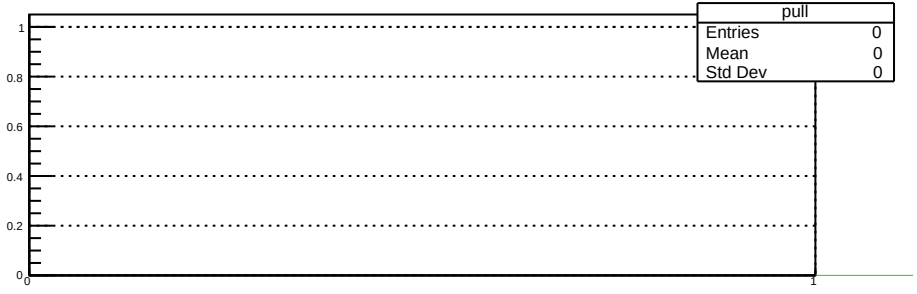

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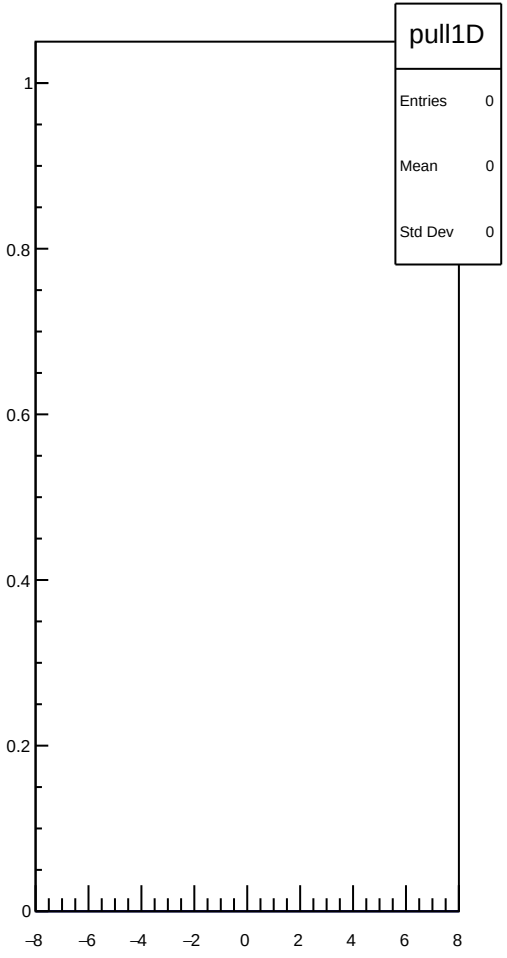

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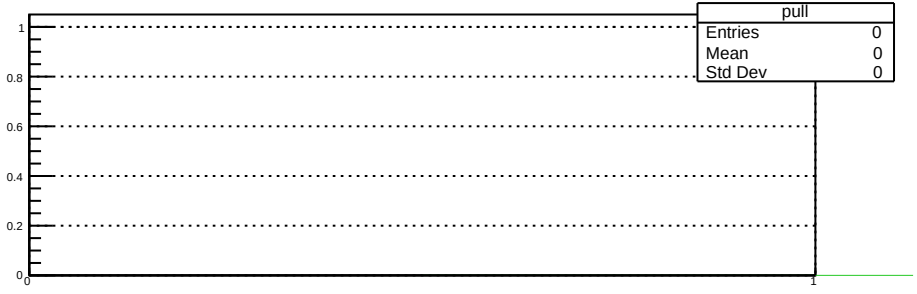

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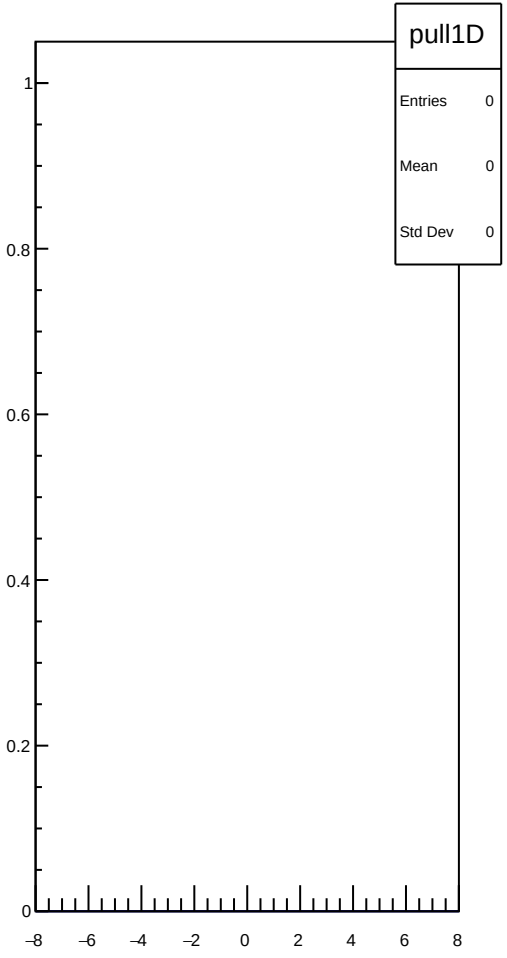

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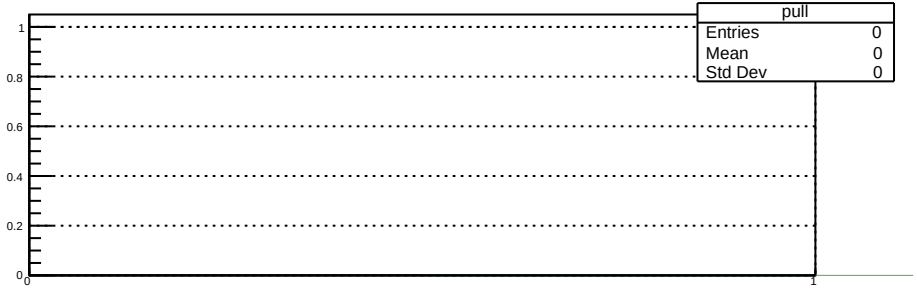

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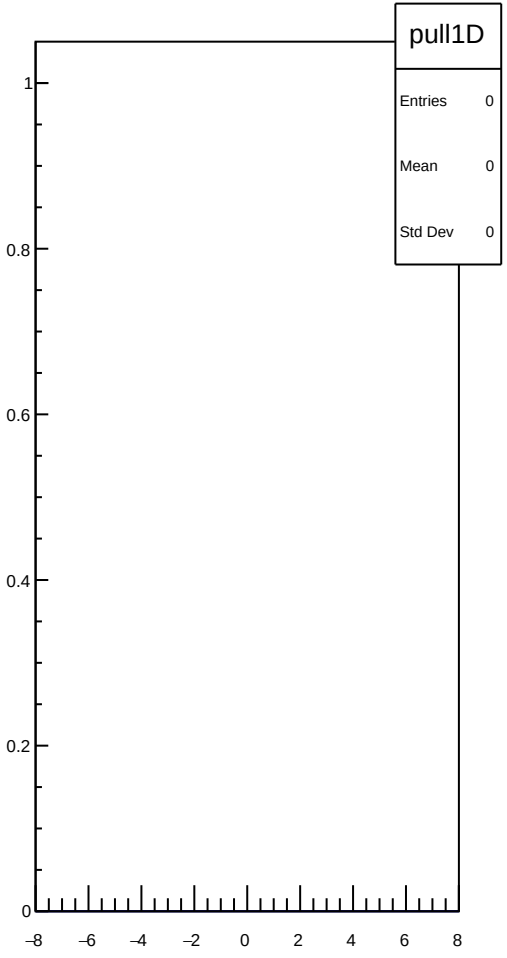

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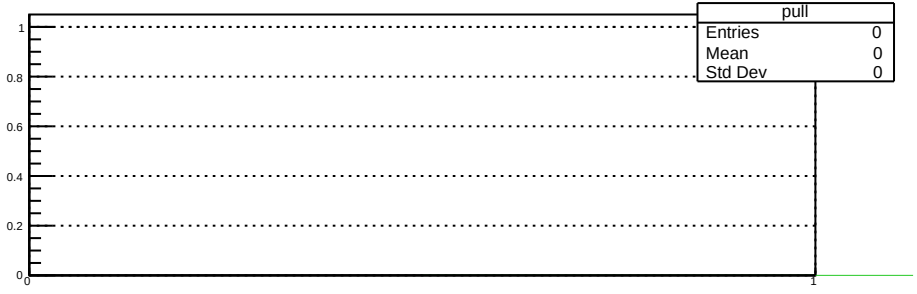

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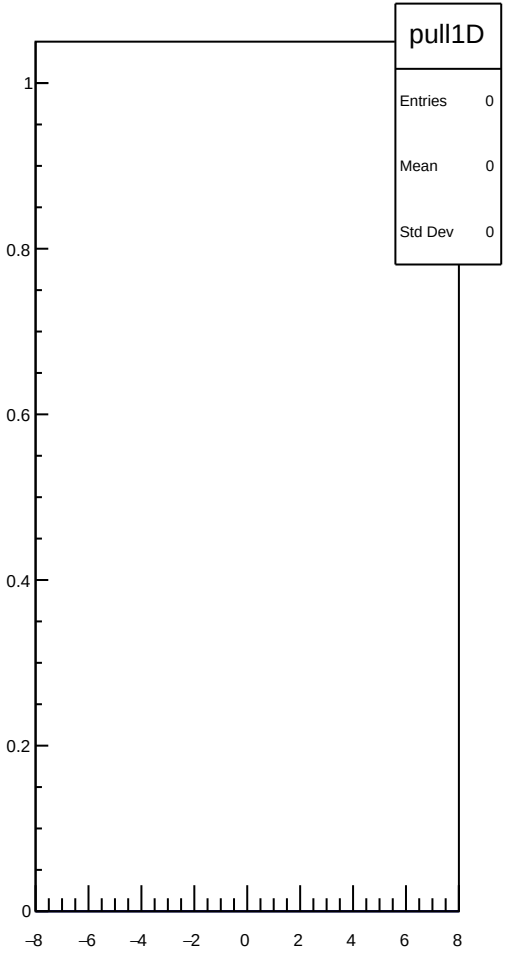

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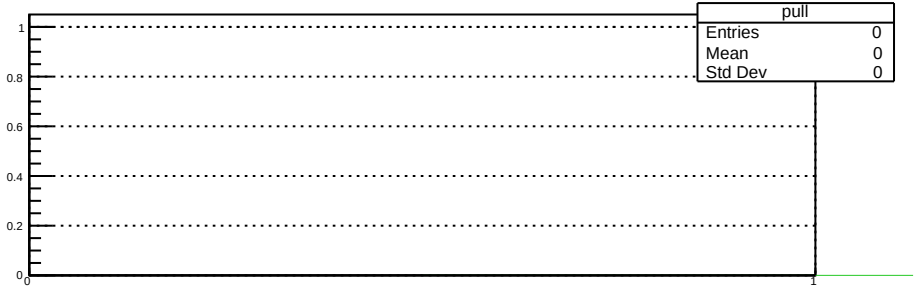

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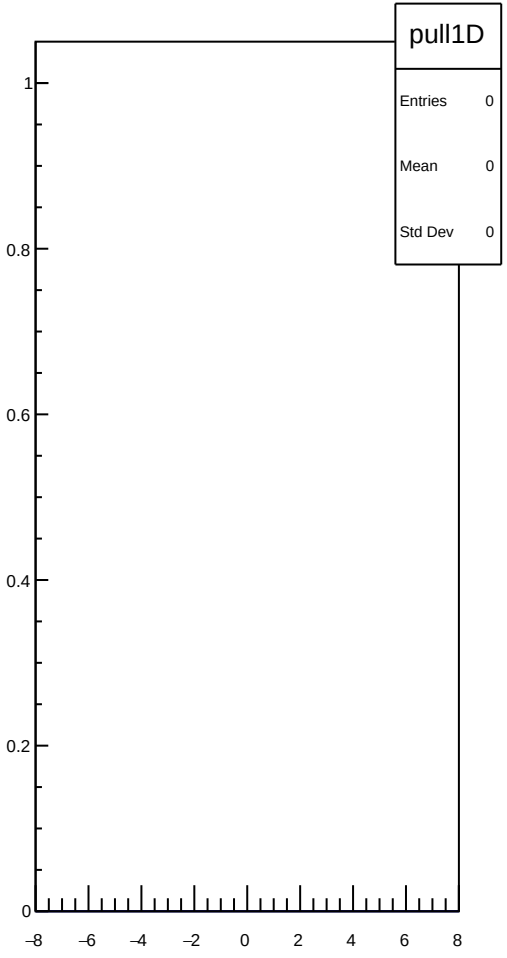

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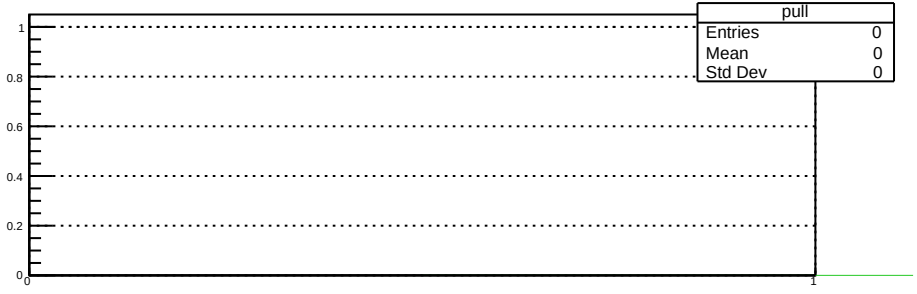

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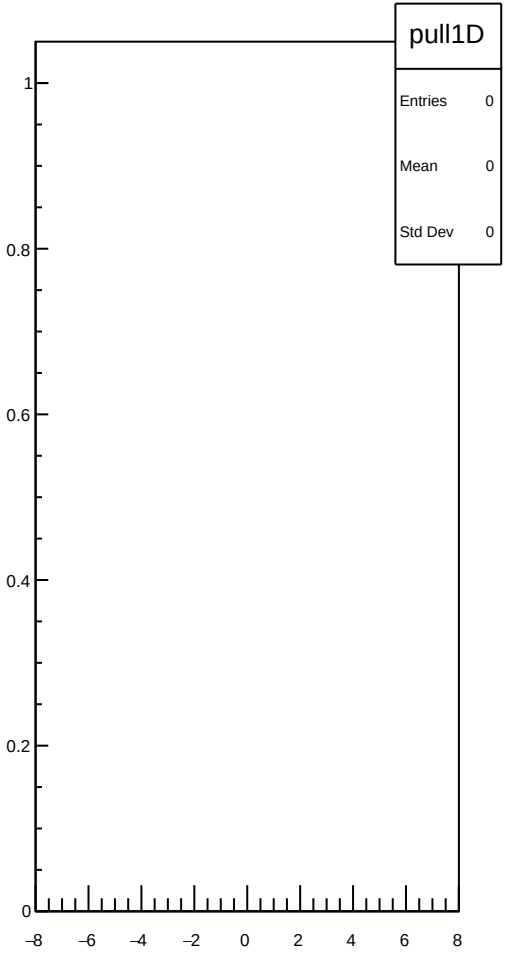

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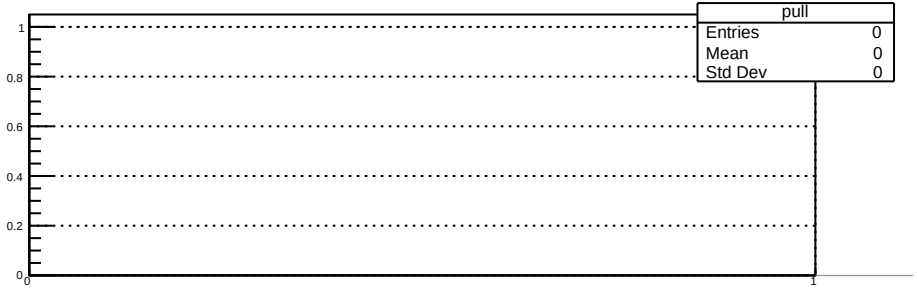

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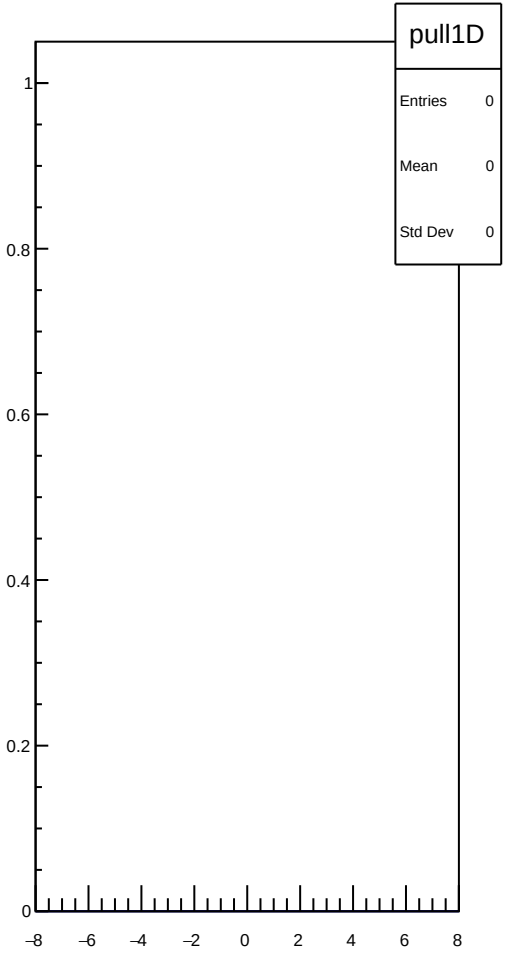

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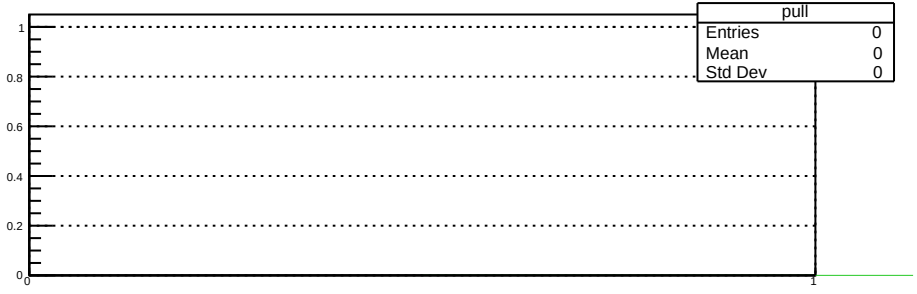

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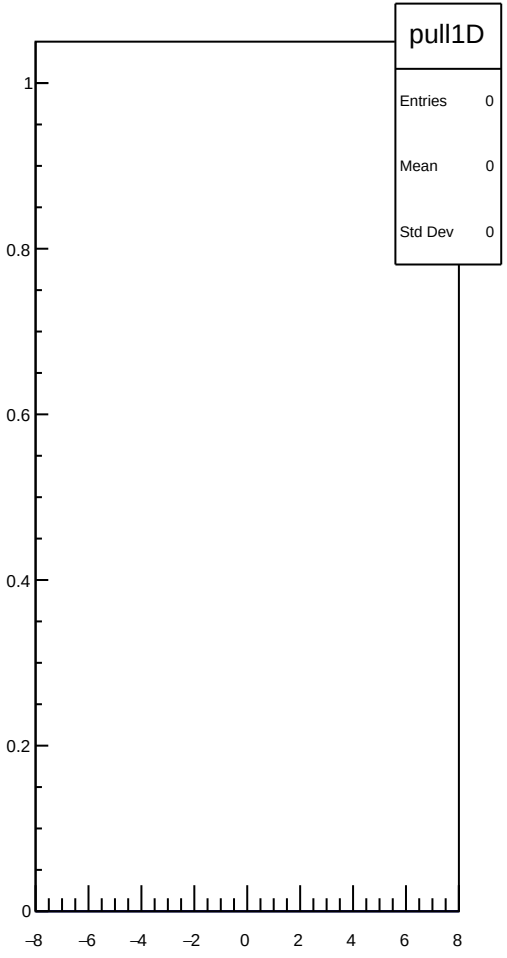

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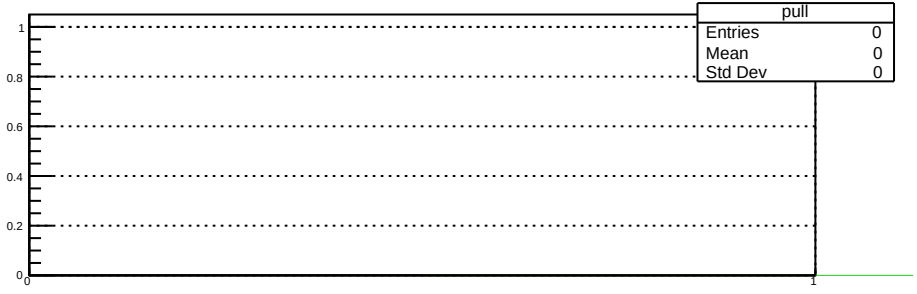

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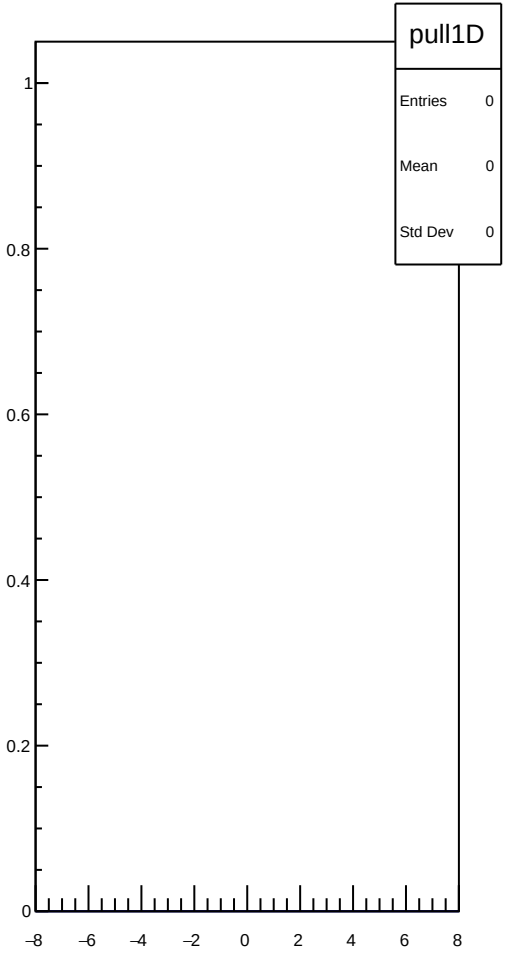

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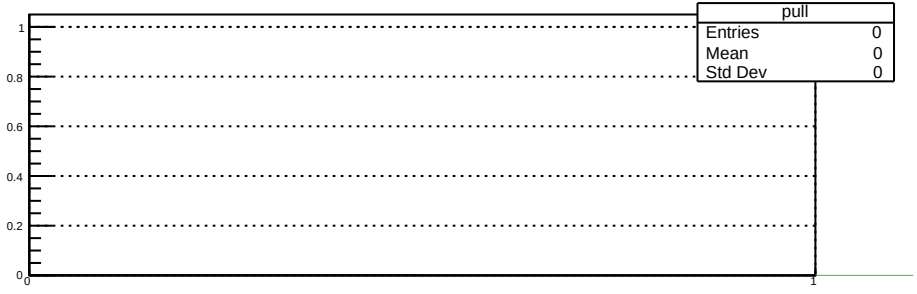

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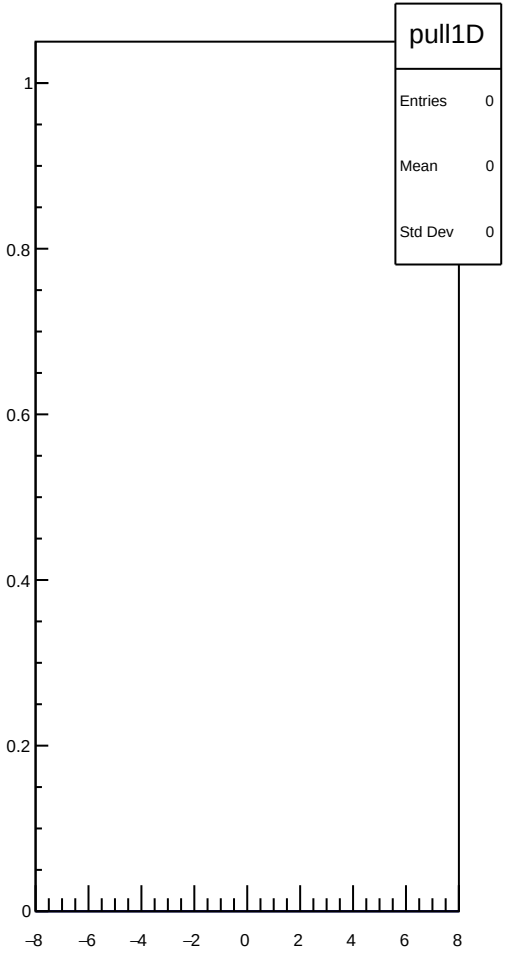

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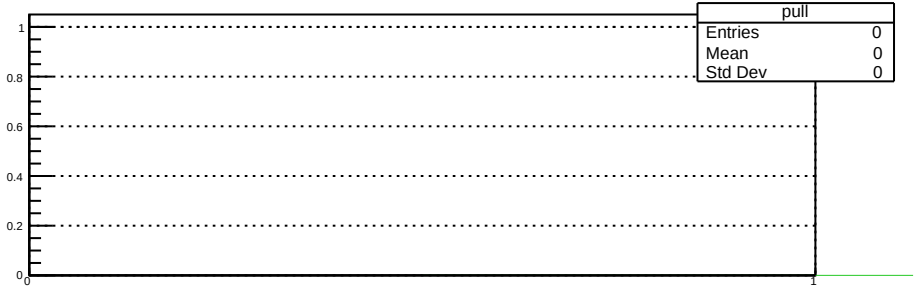

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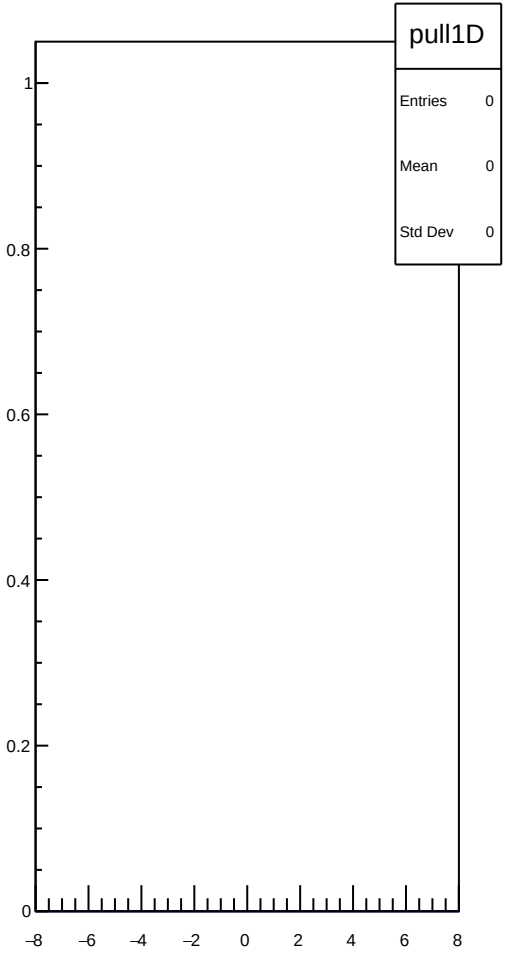

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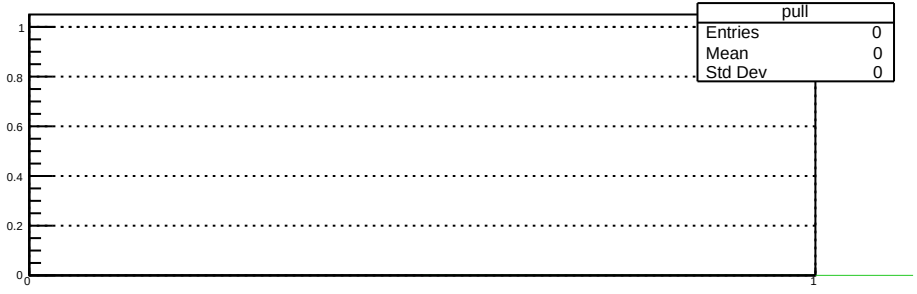

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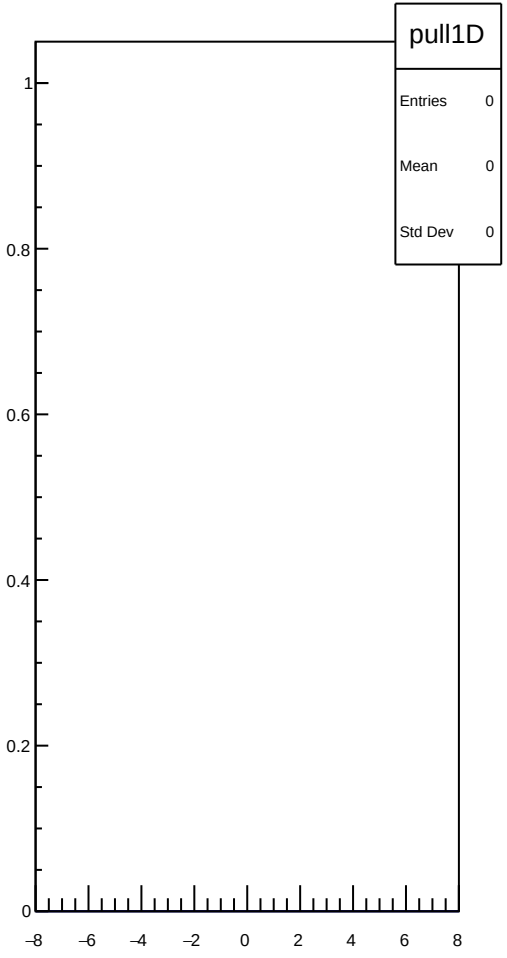

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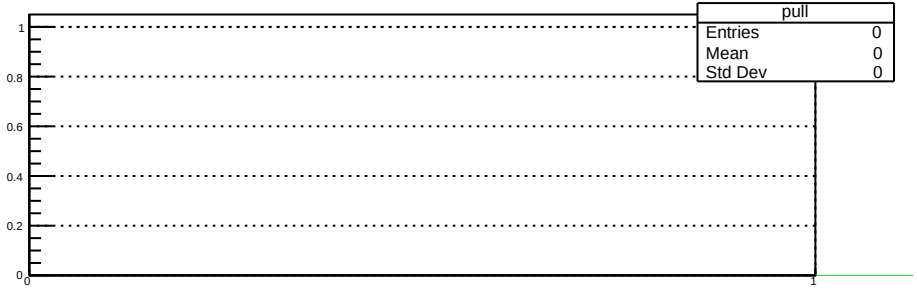

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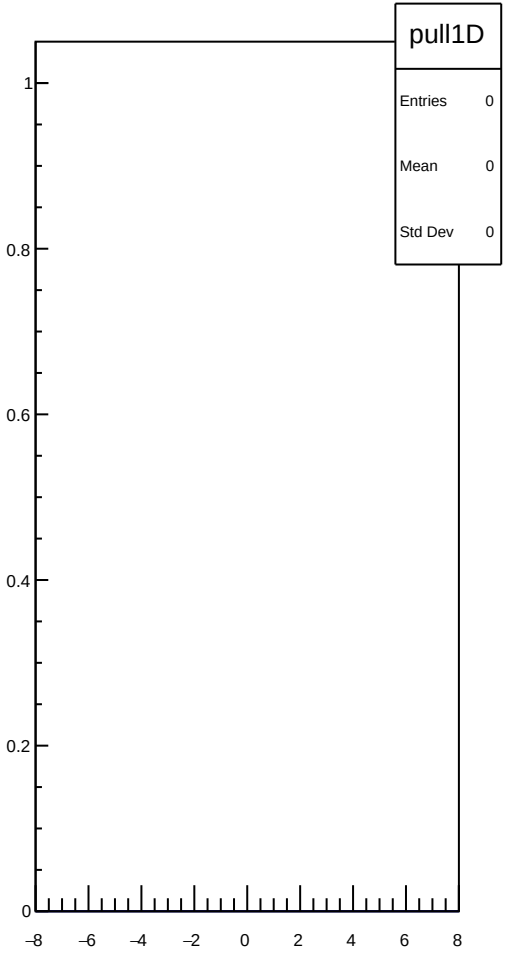

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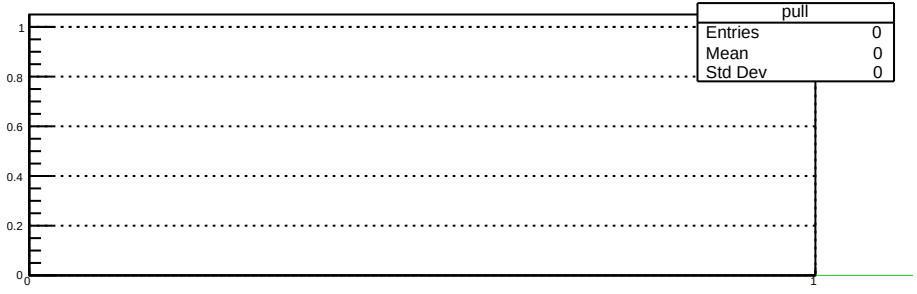

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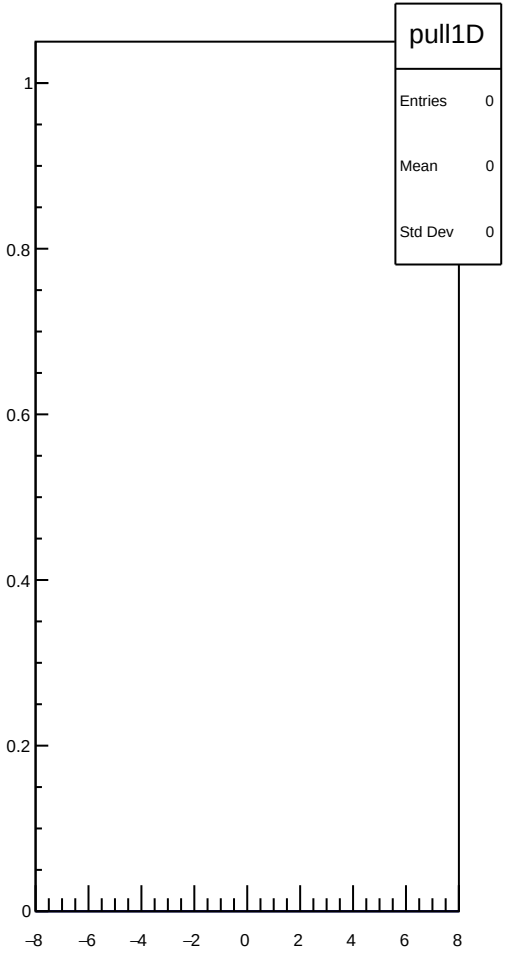

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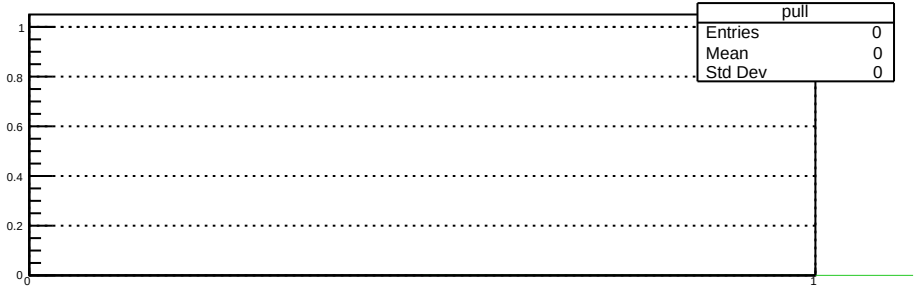

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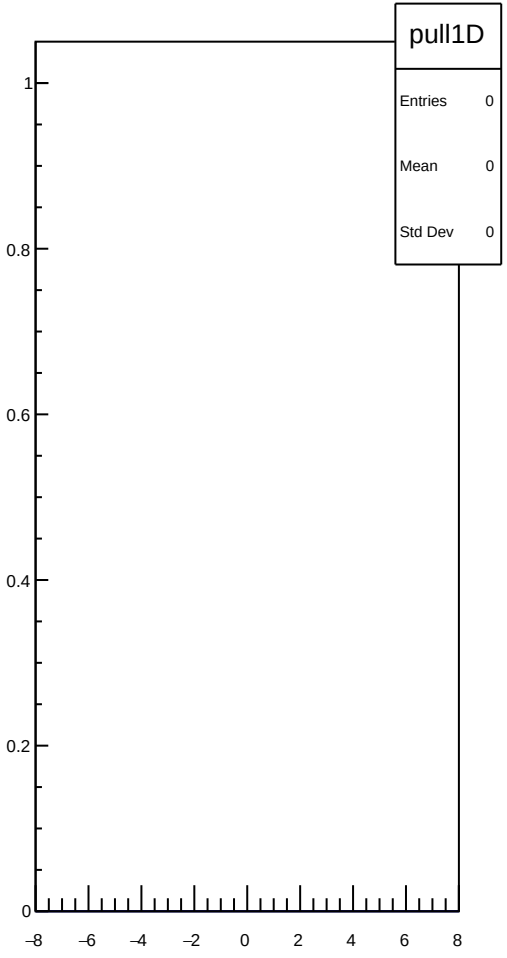

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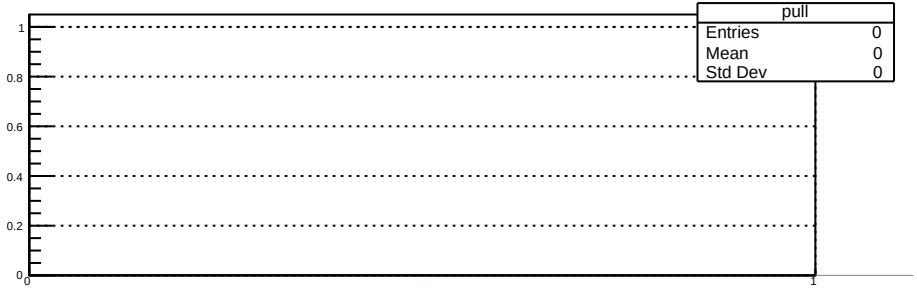

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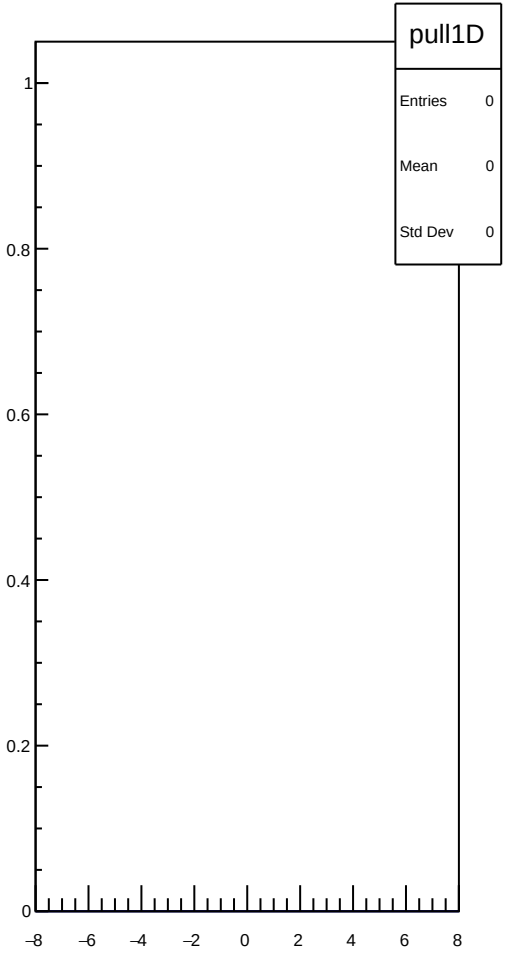

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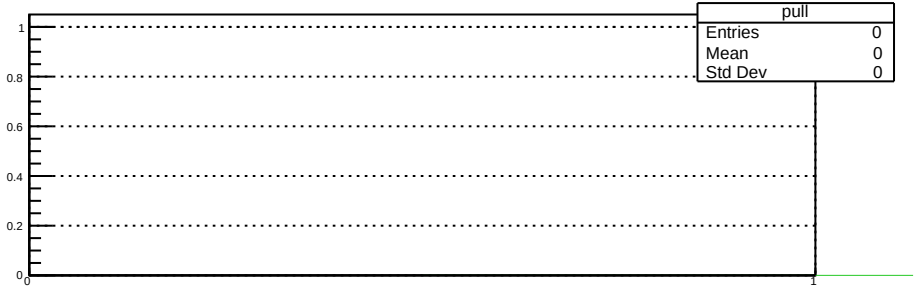

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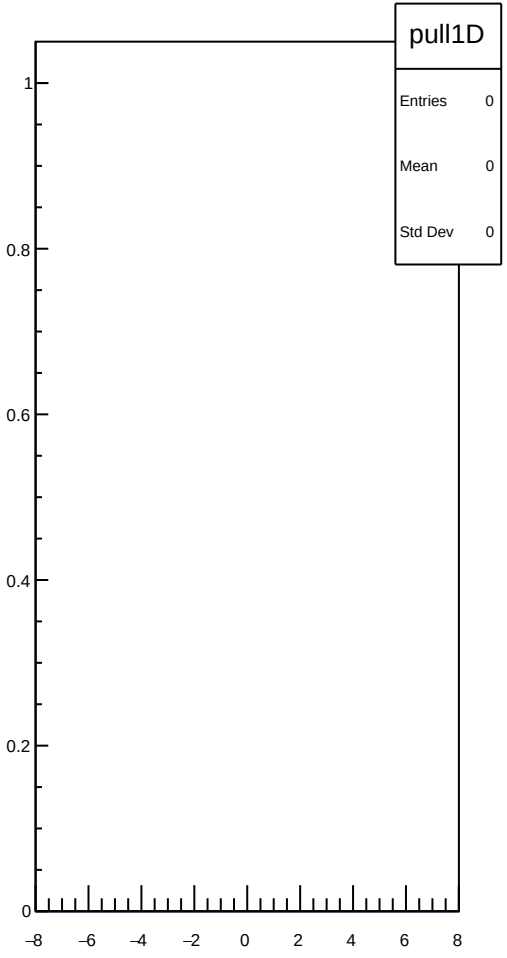

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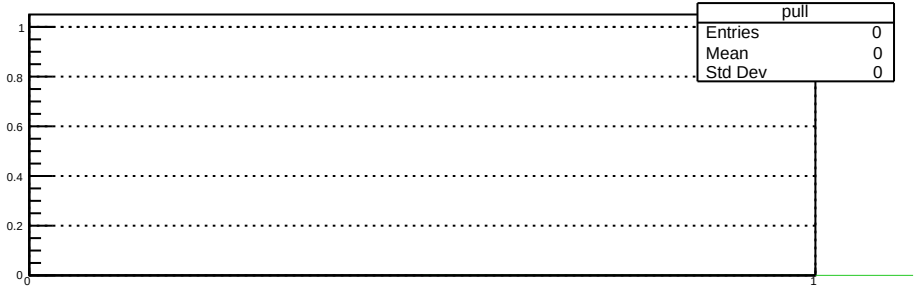

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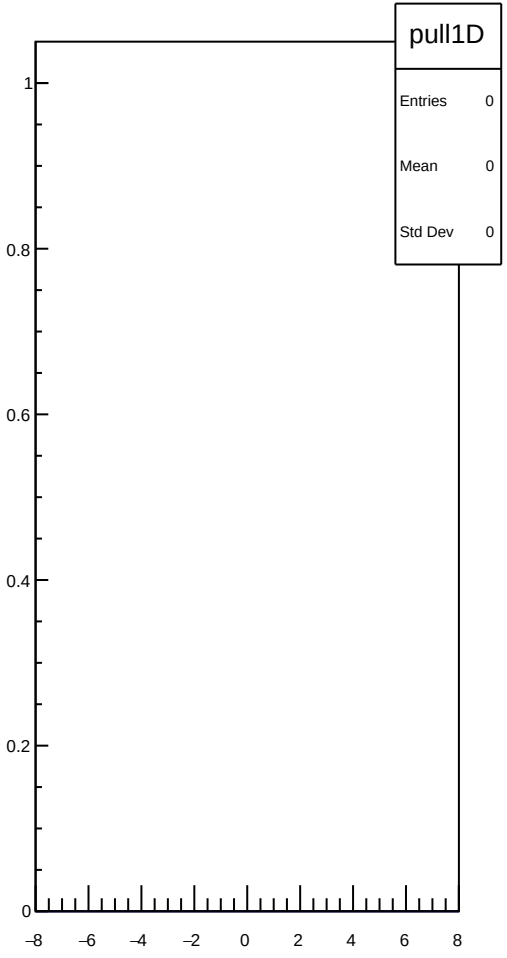

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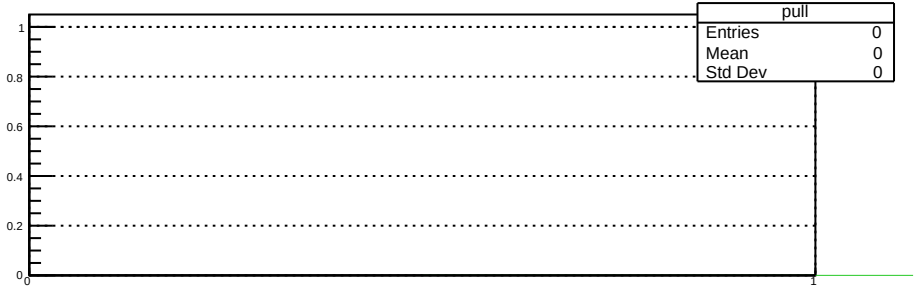

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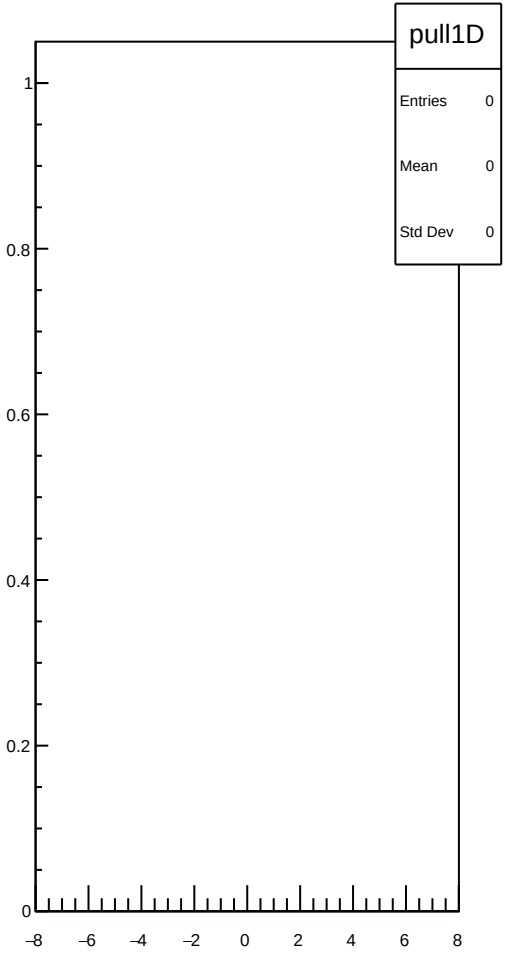

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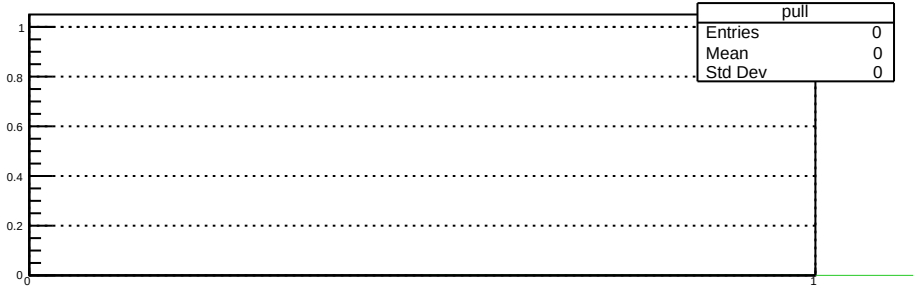

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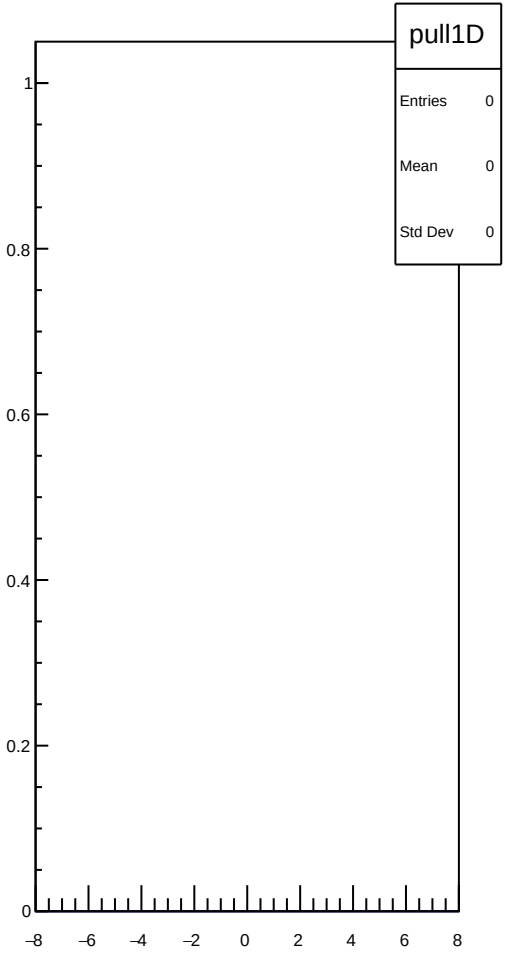

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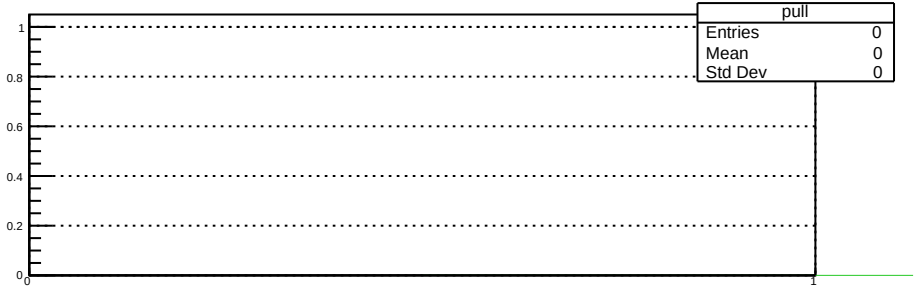

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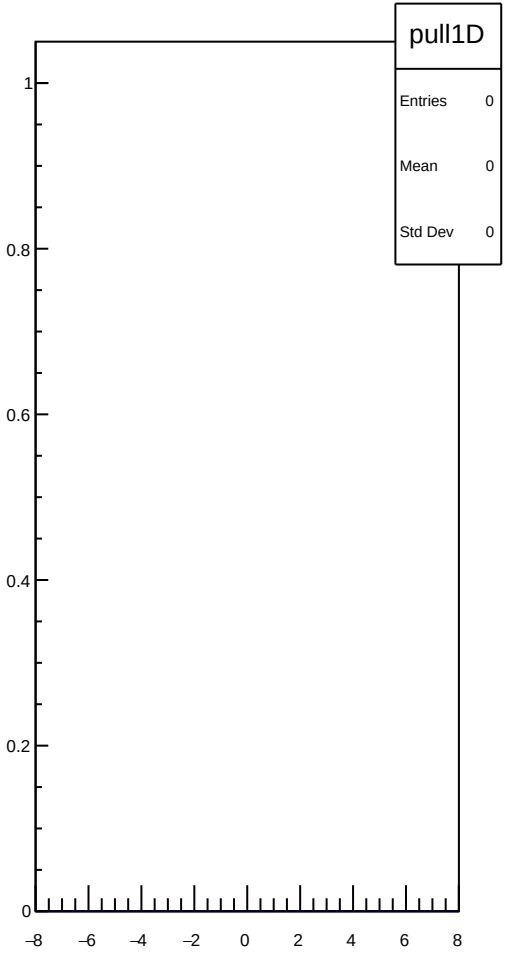

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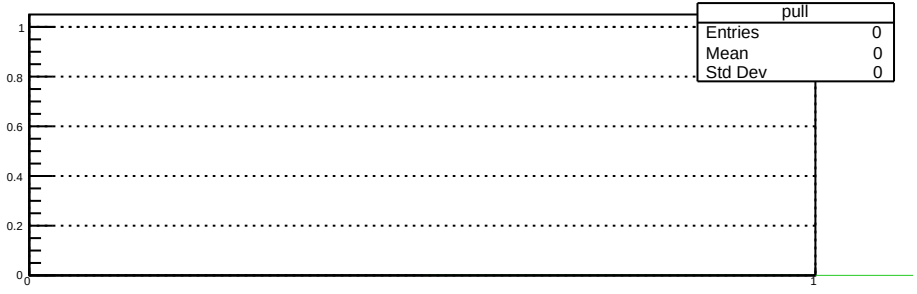

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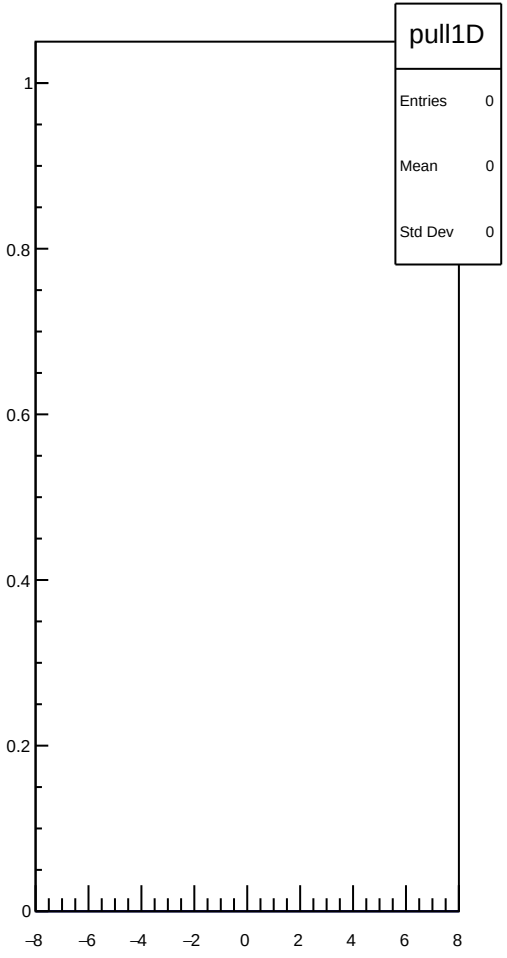

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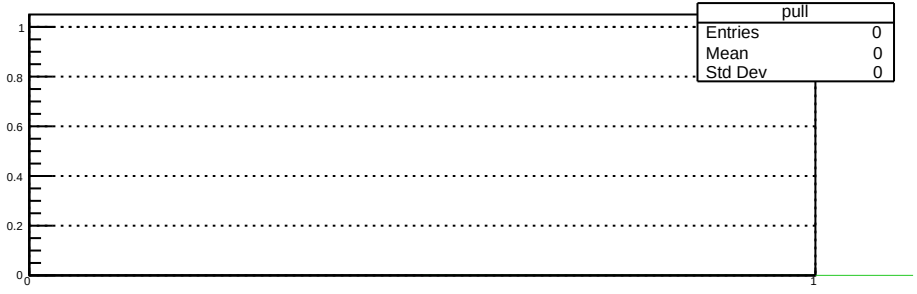

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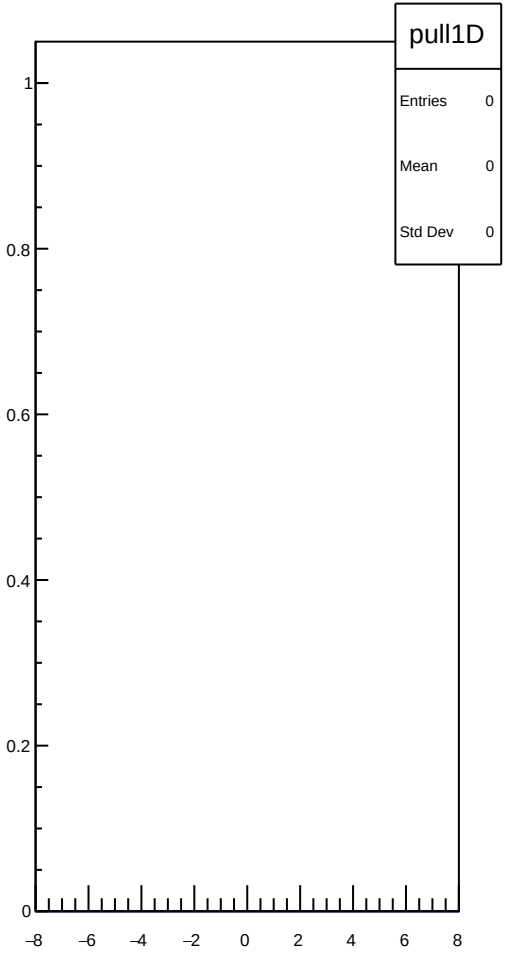

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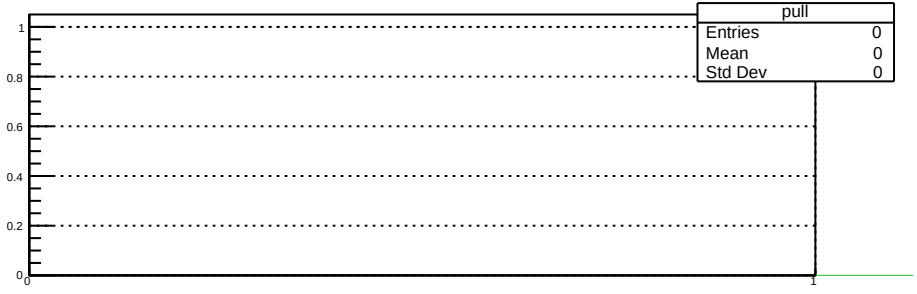

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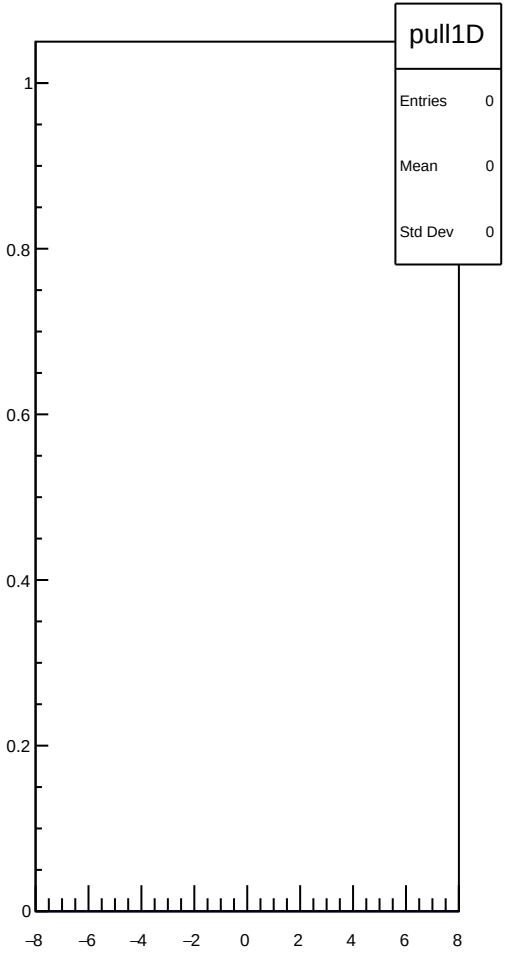

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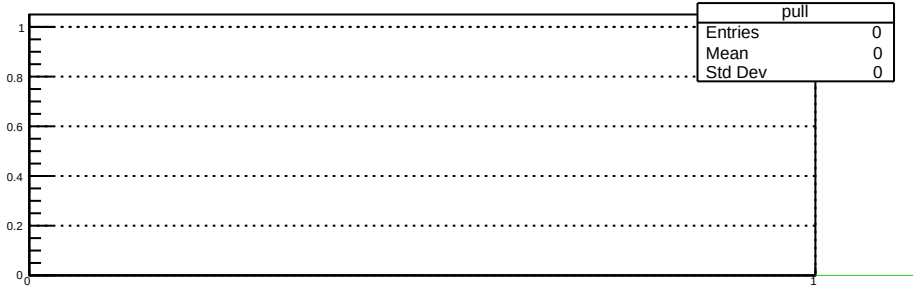

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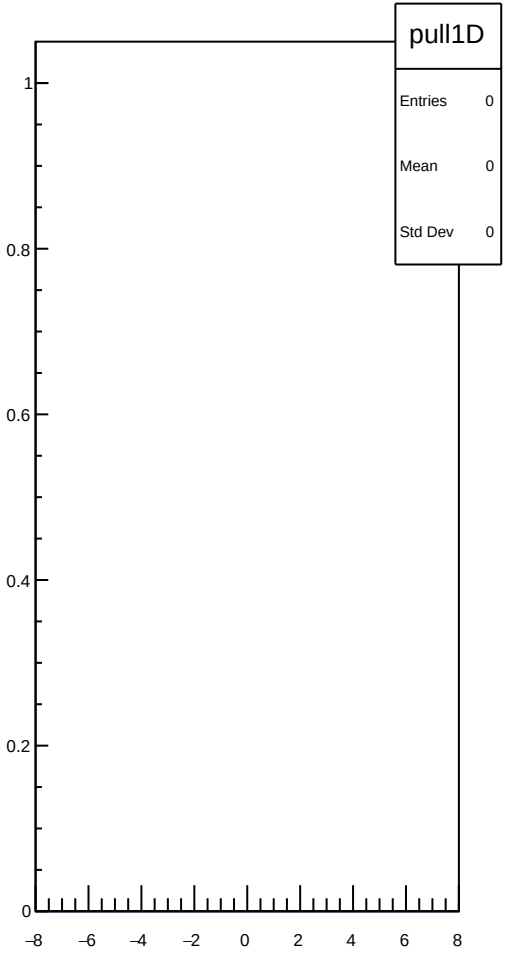

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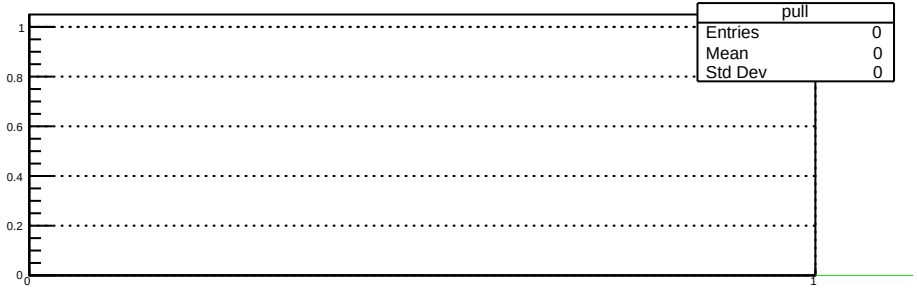

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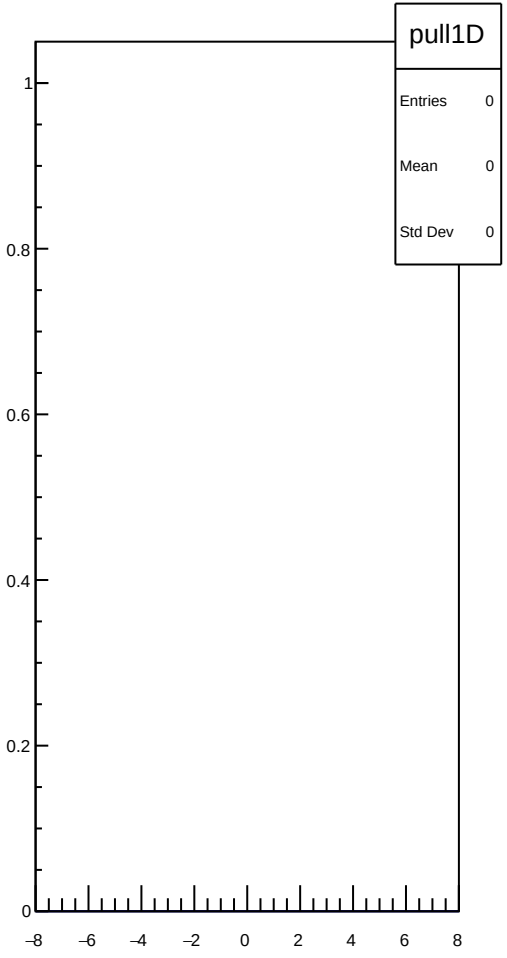

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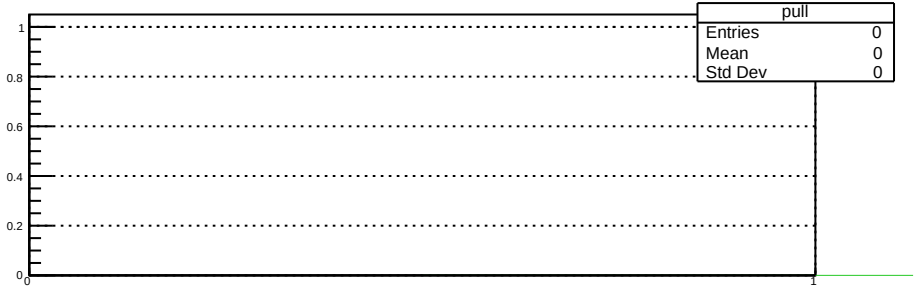

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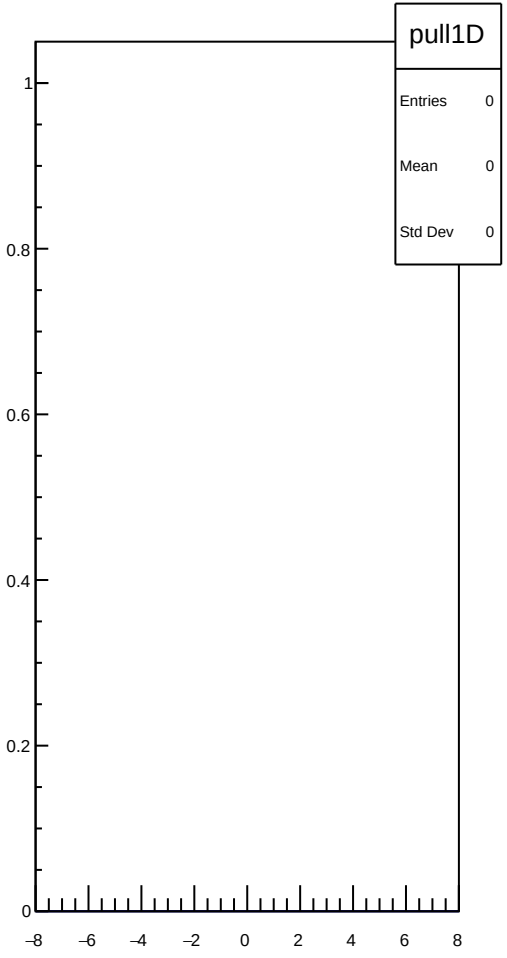

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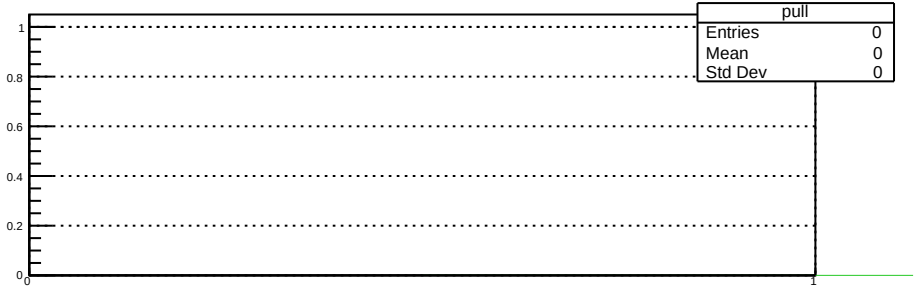

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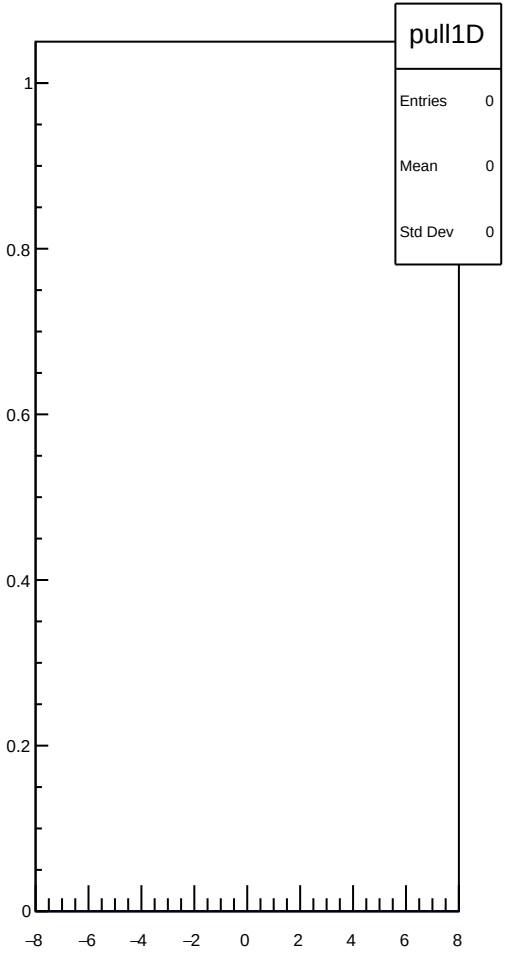

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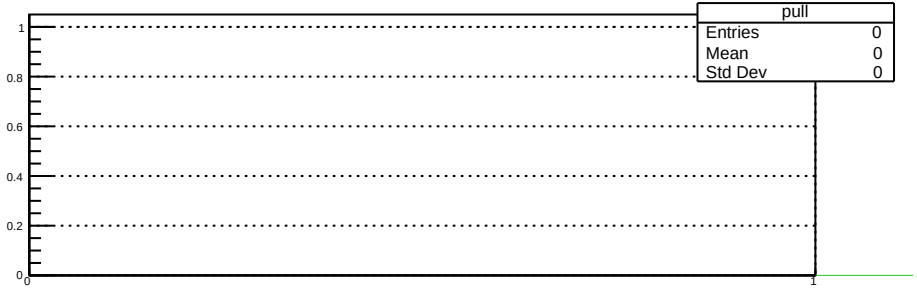

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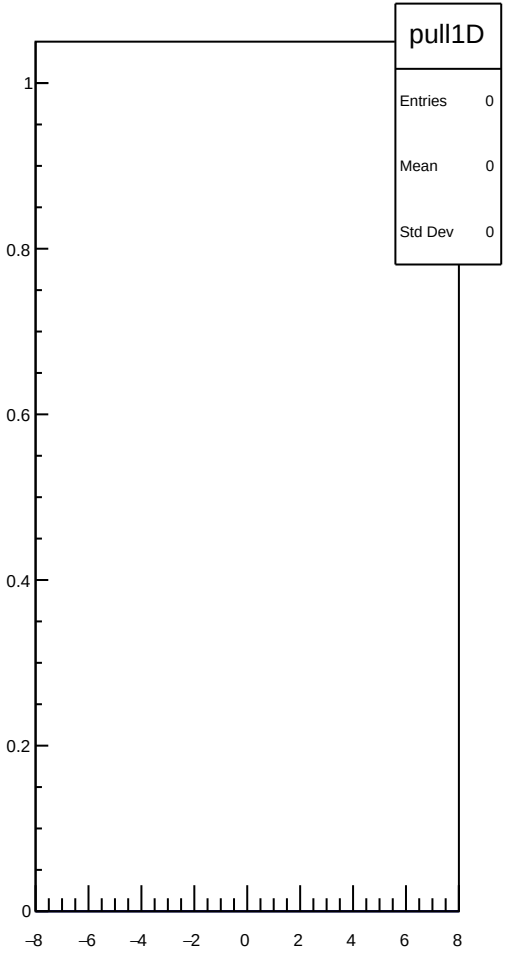

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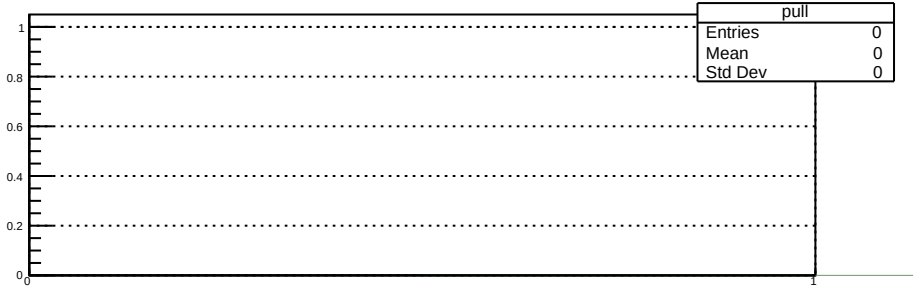

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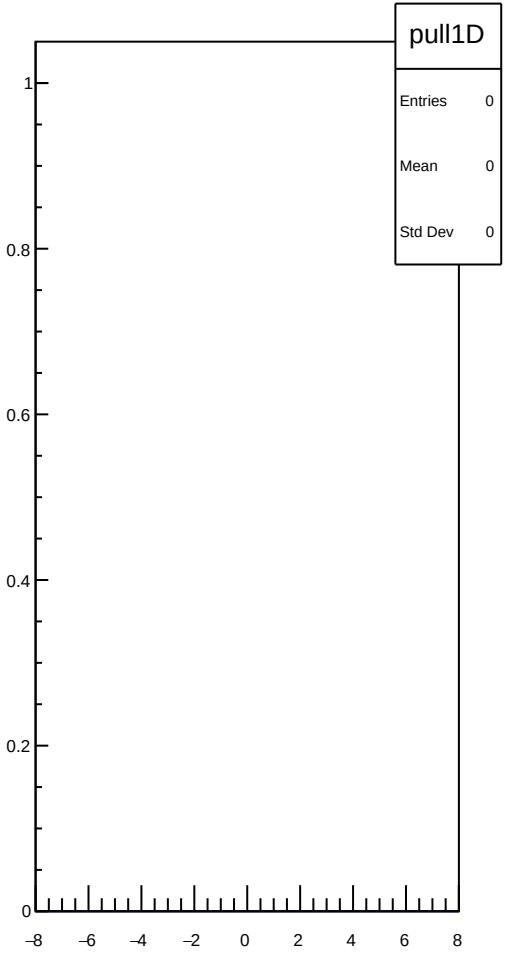

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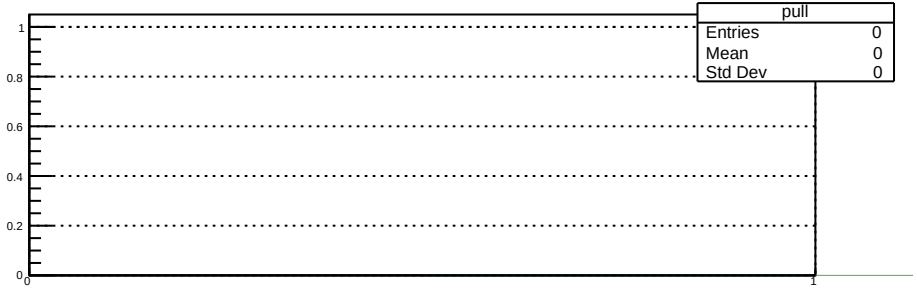

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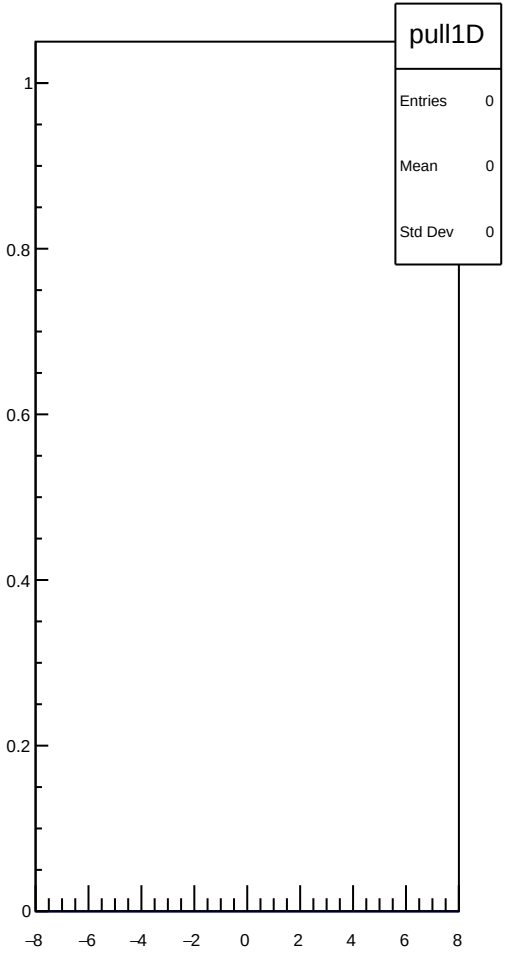

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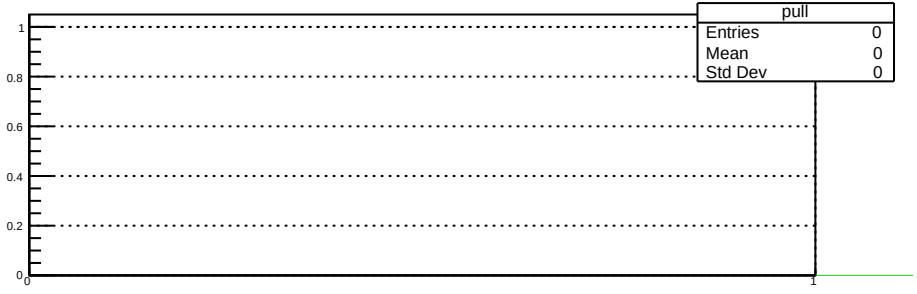

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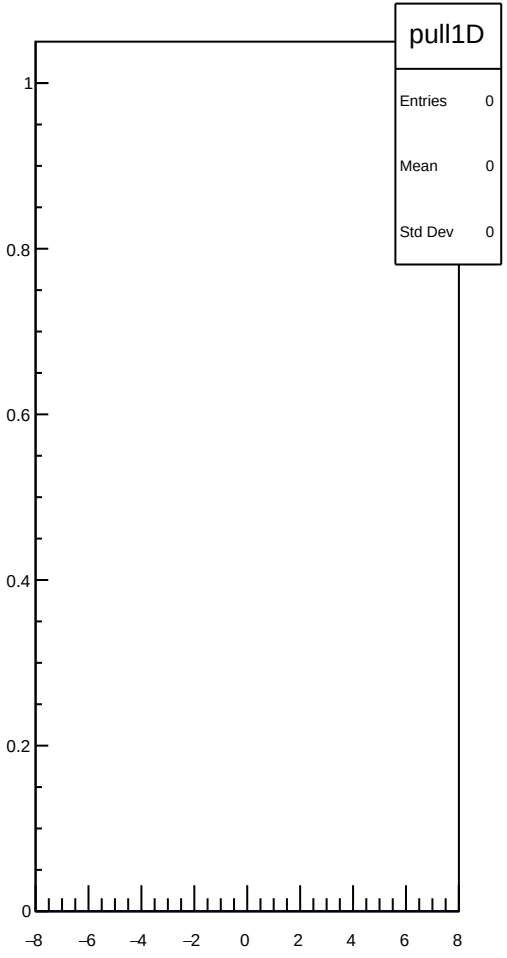

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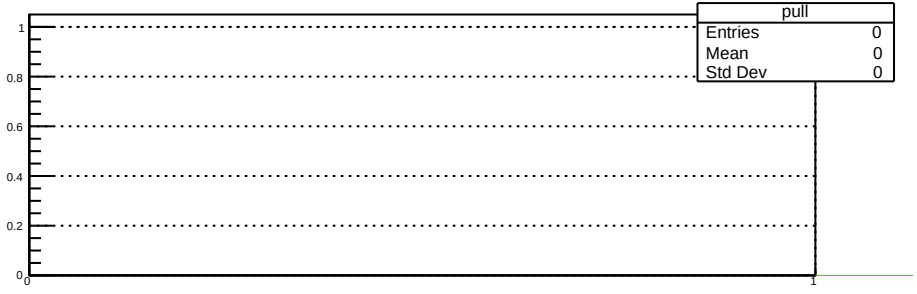

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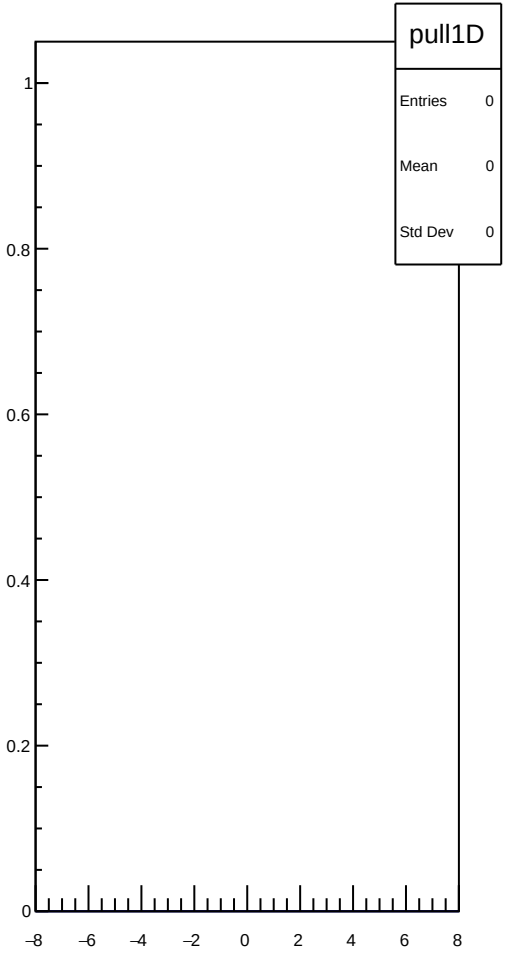

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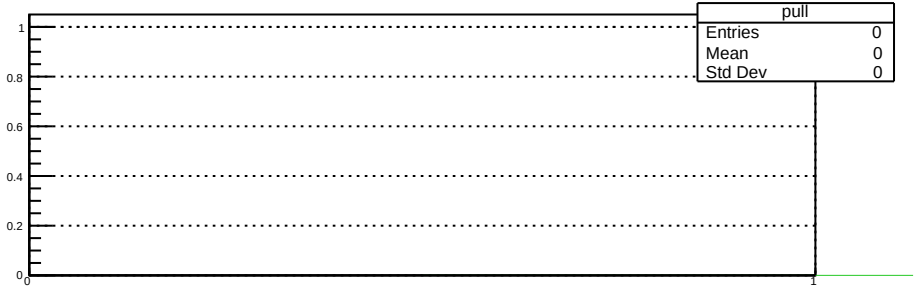

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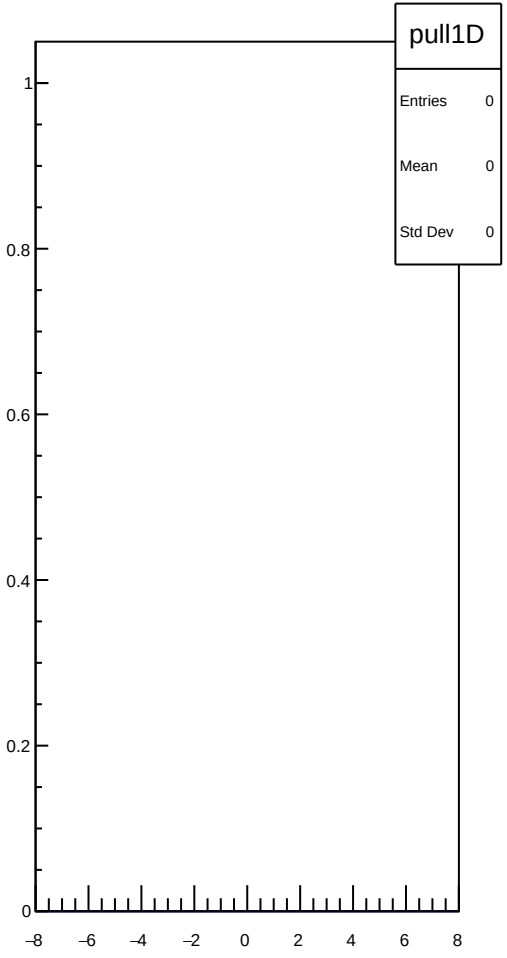

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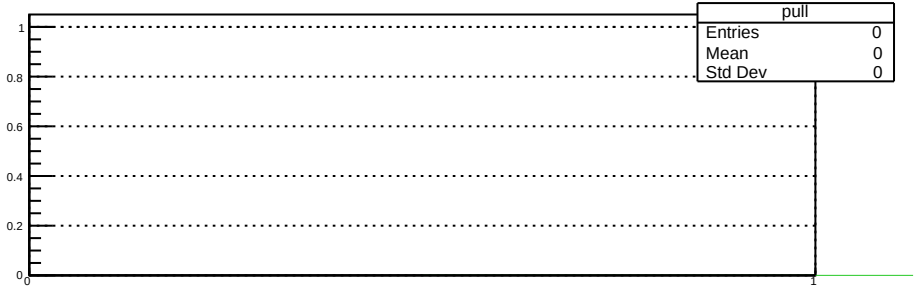

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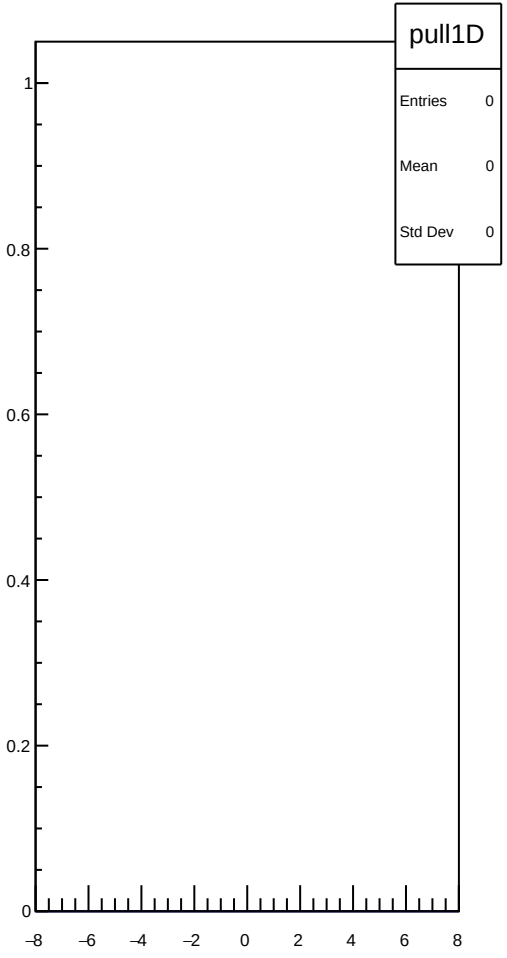

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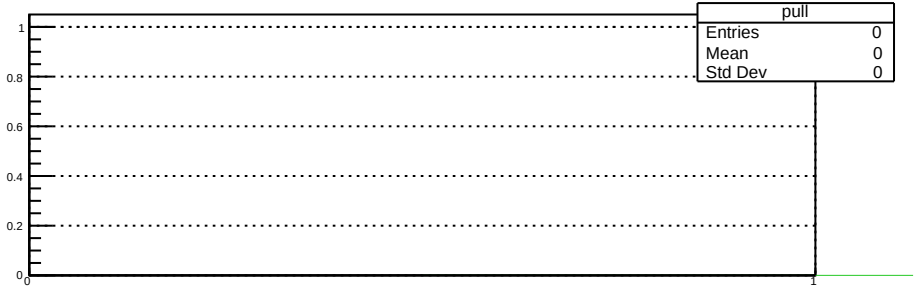

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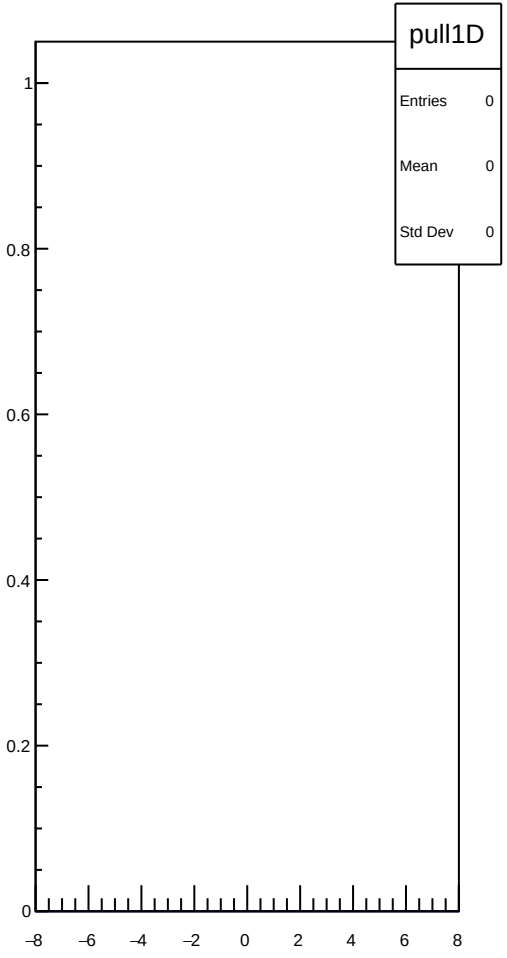

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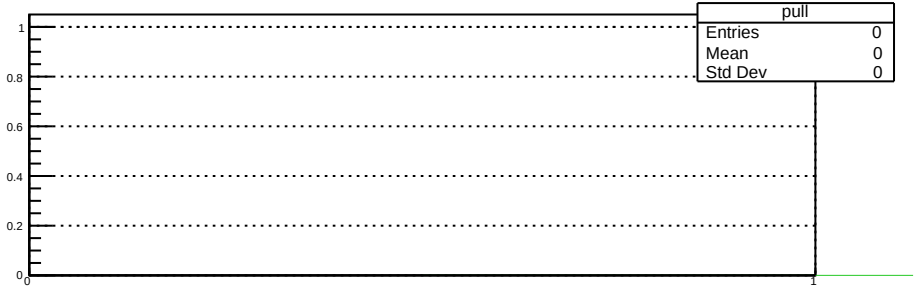

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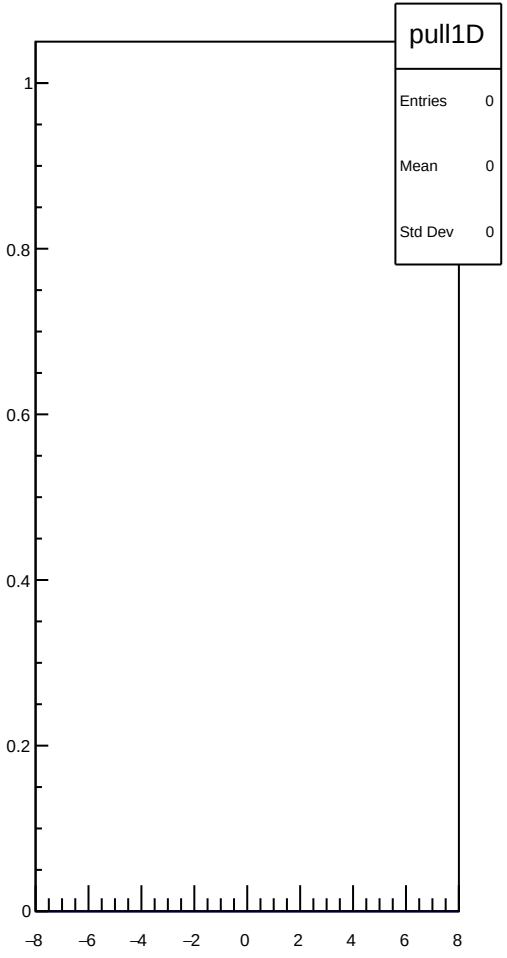

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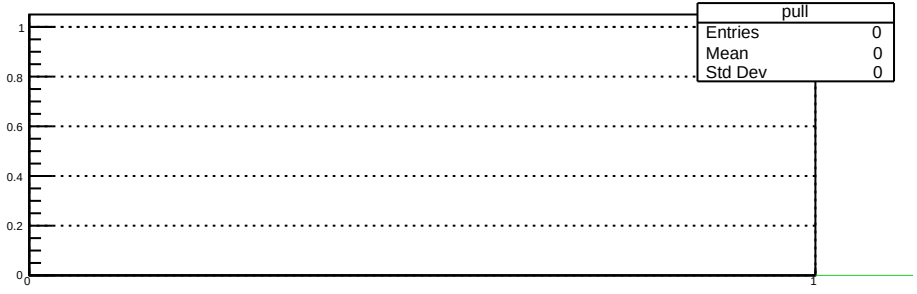

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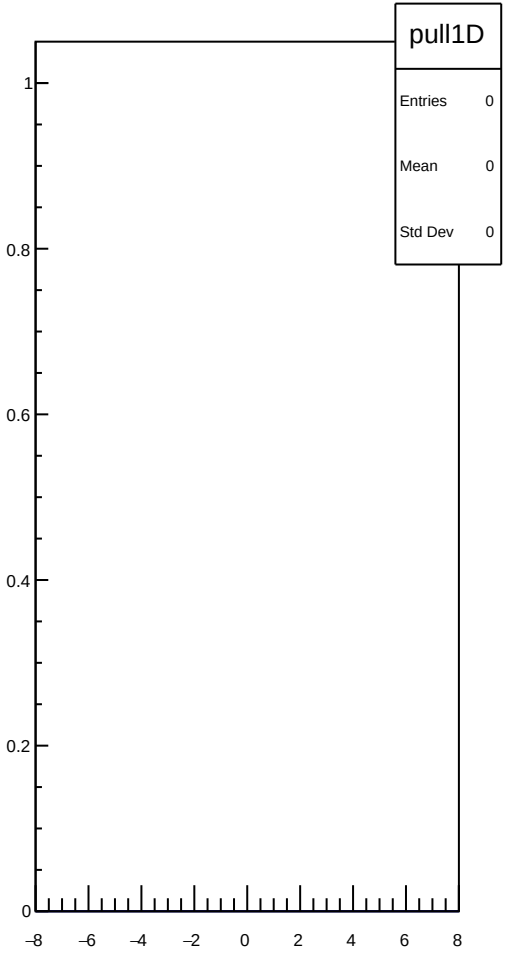

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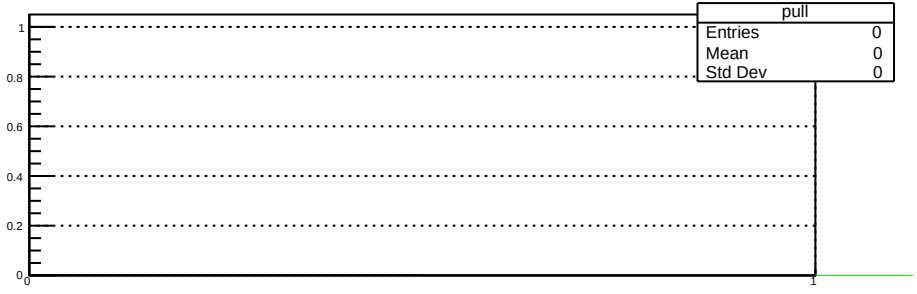

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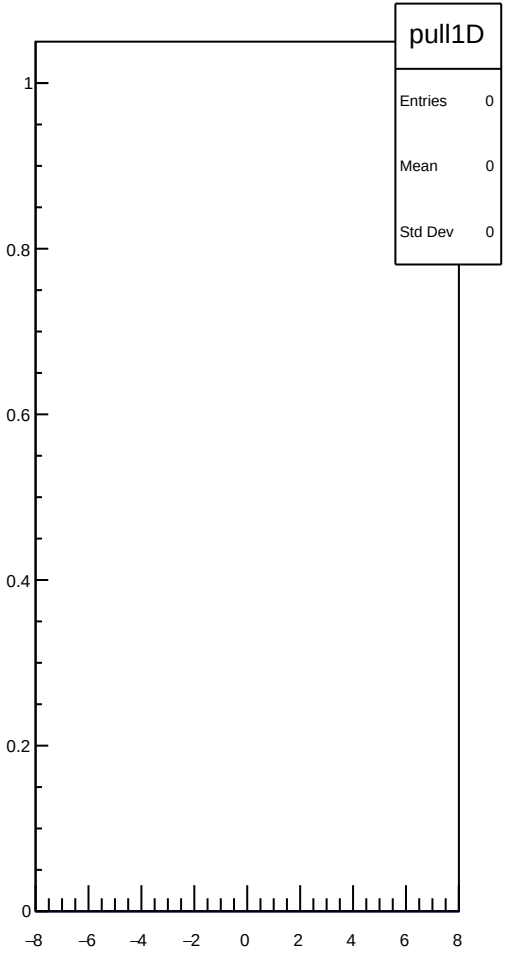

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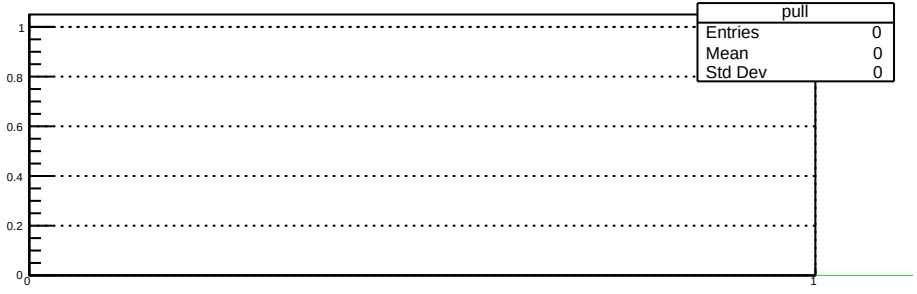

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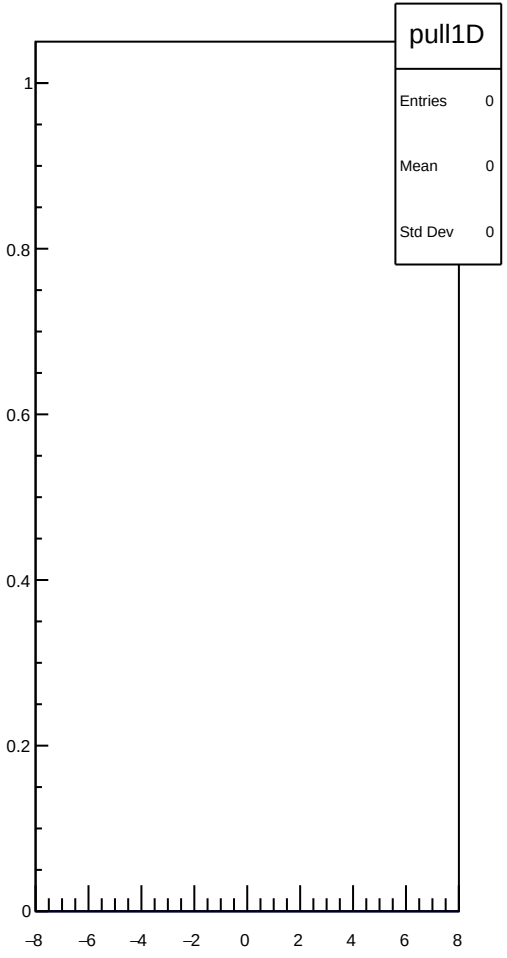

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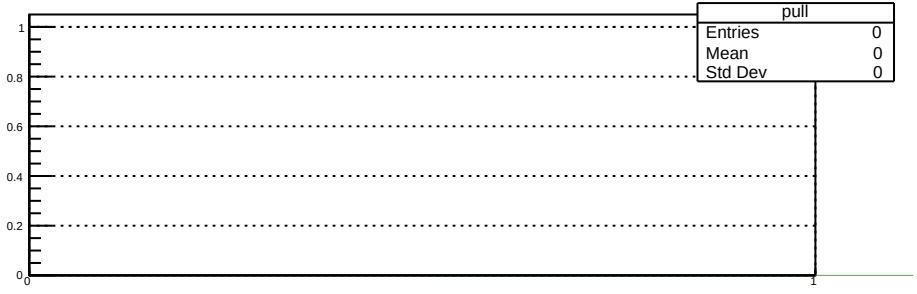

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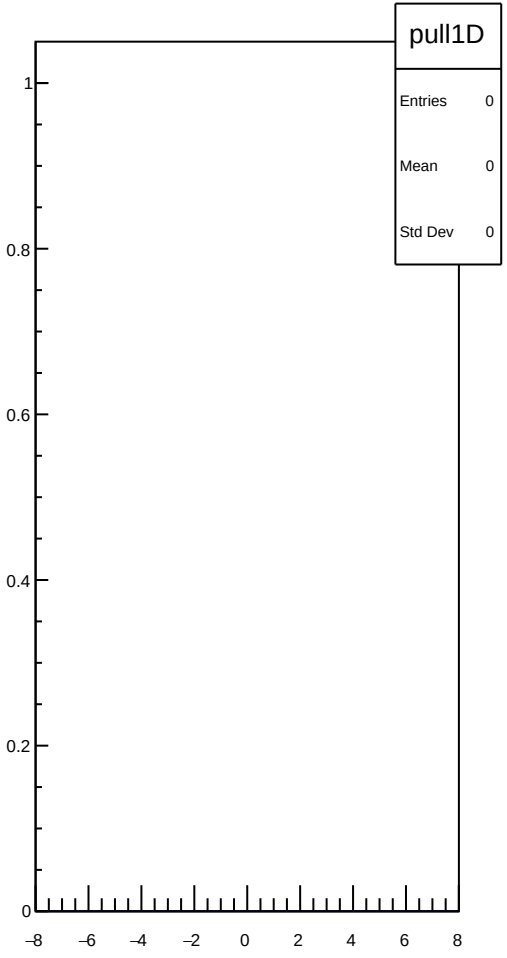

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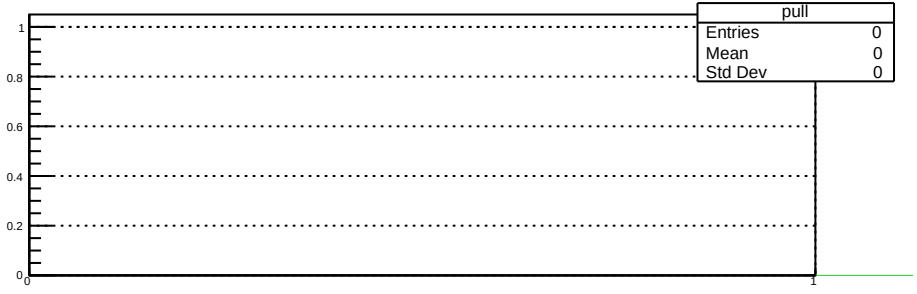

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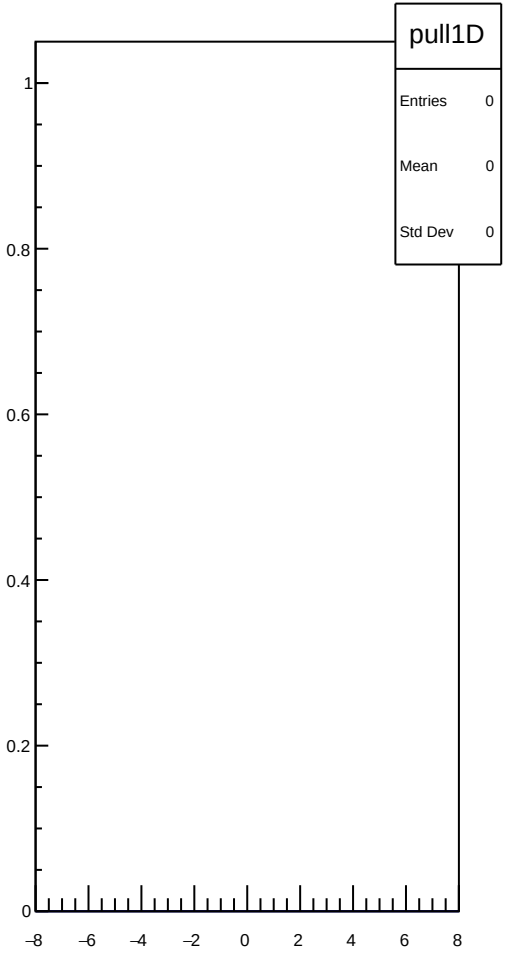

pull
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Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

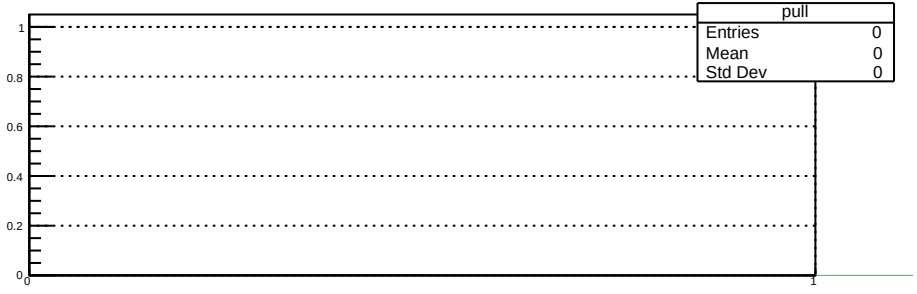

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

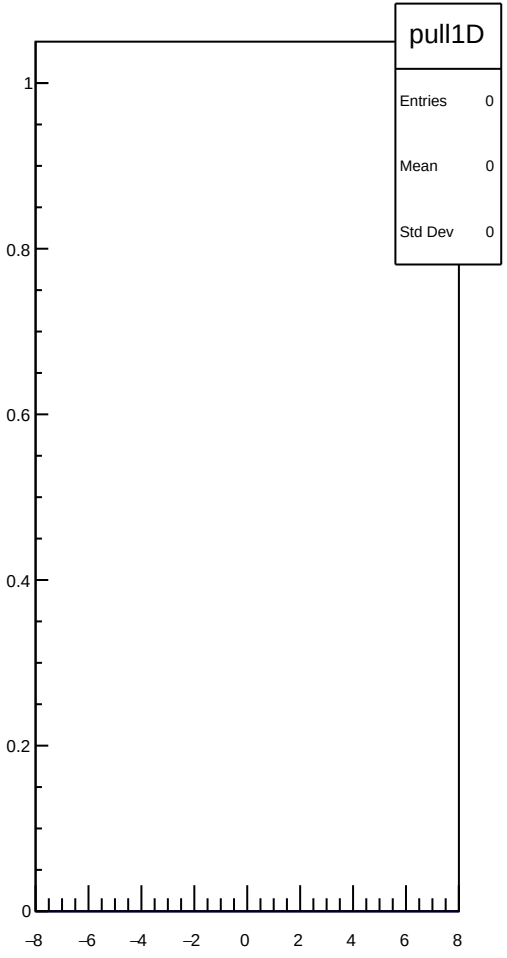

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

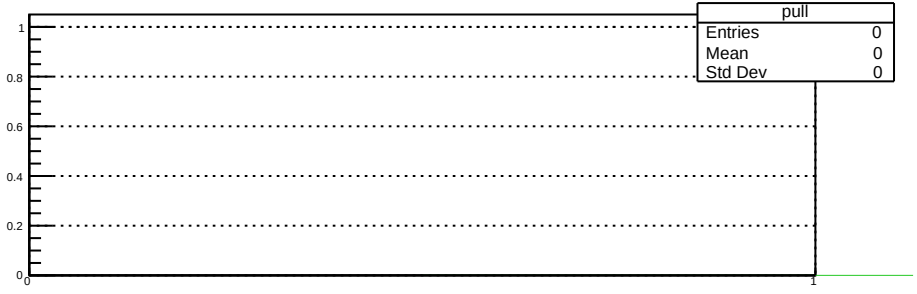

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

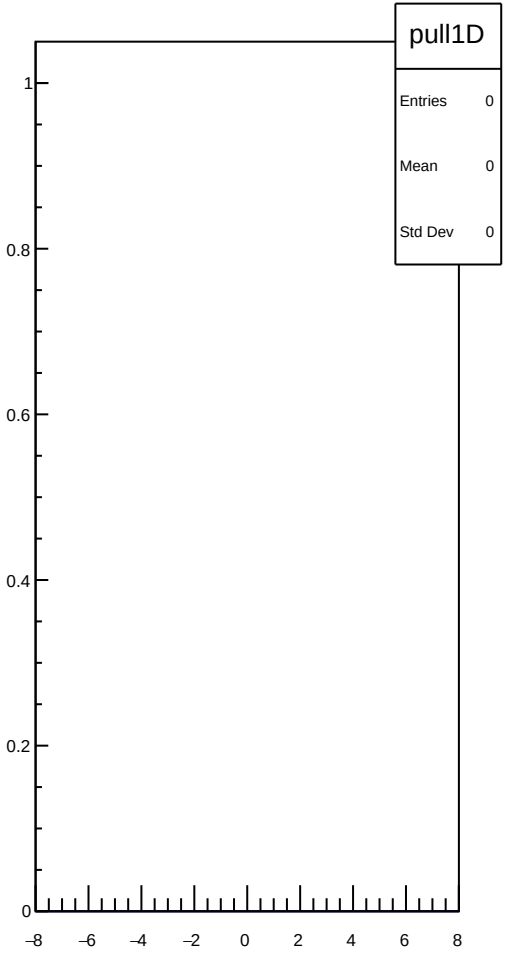

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

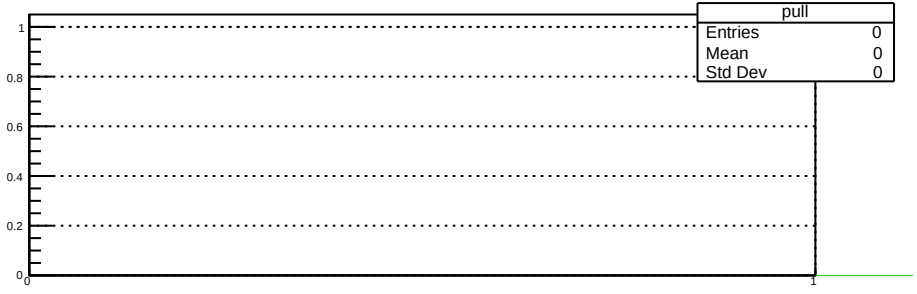

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

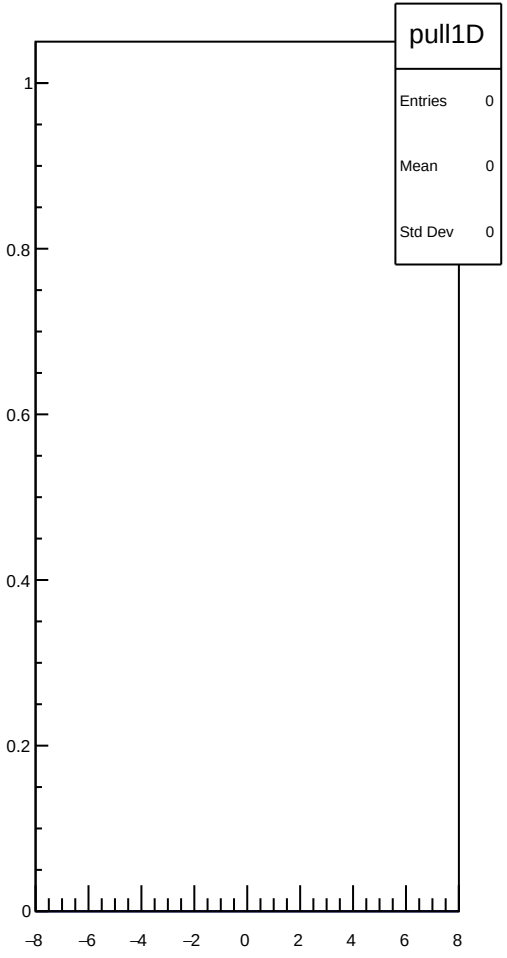

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

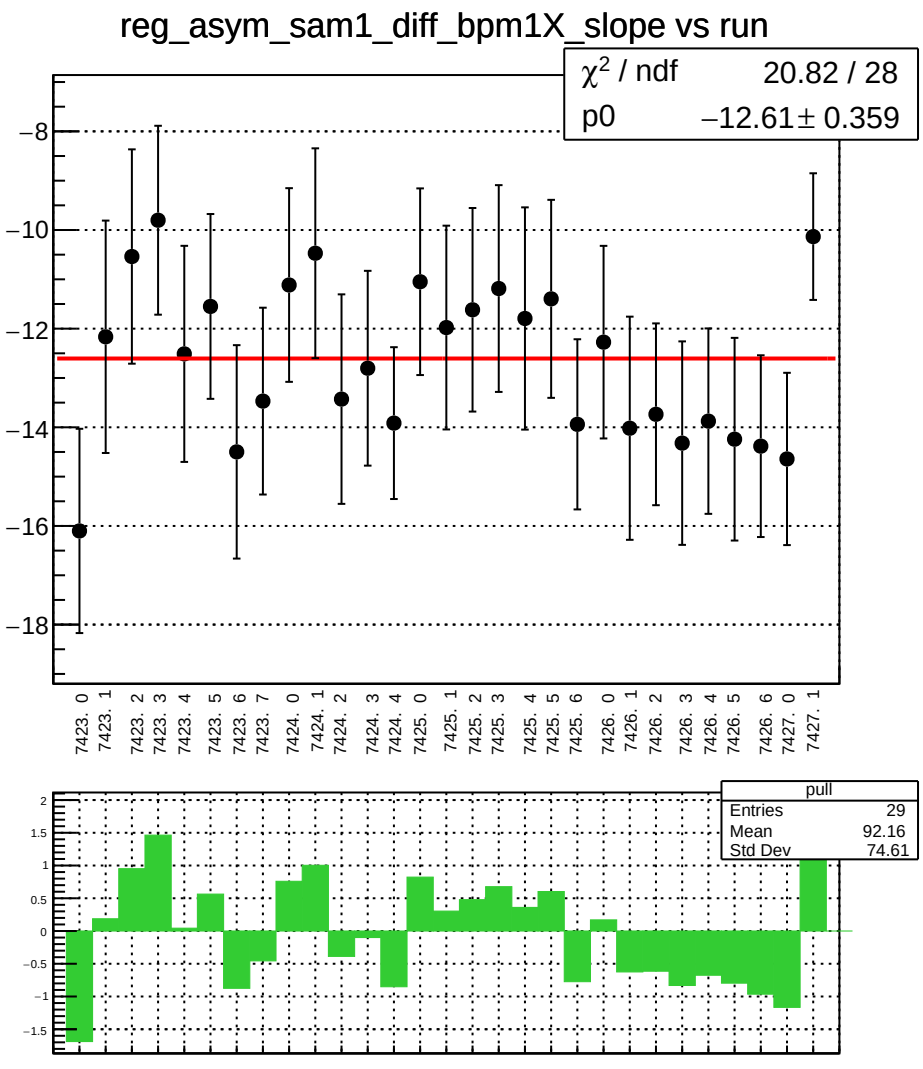

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

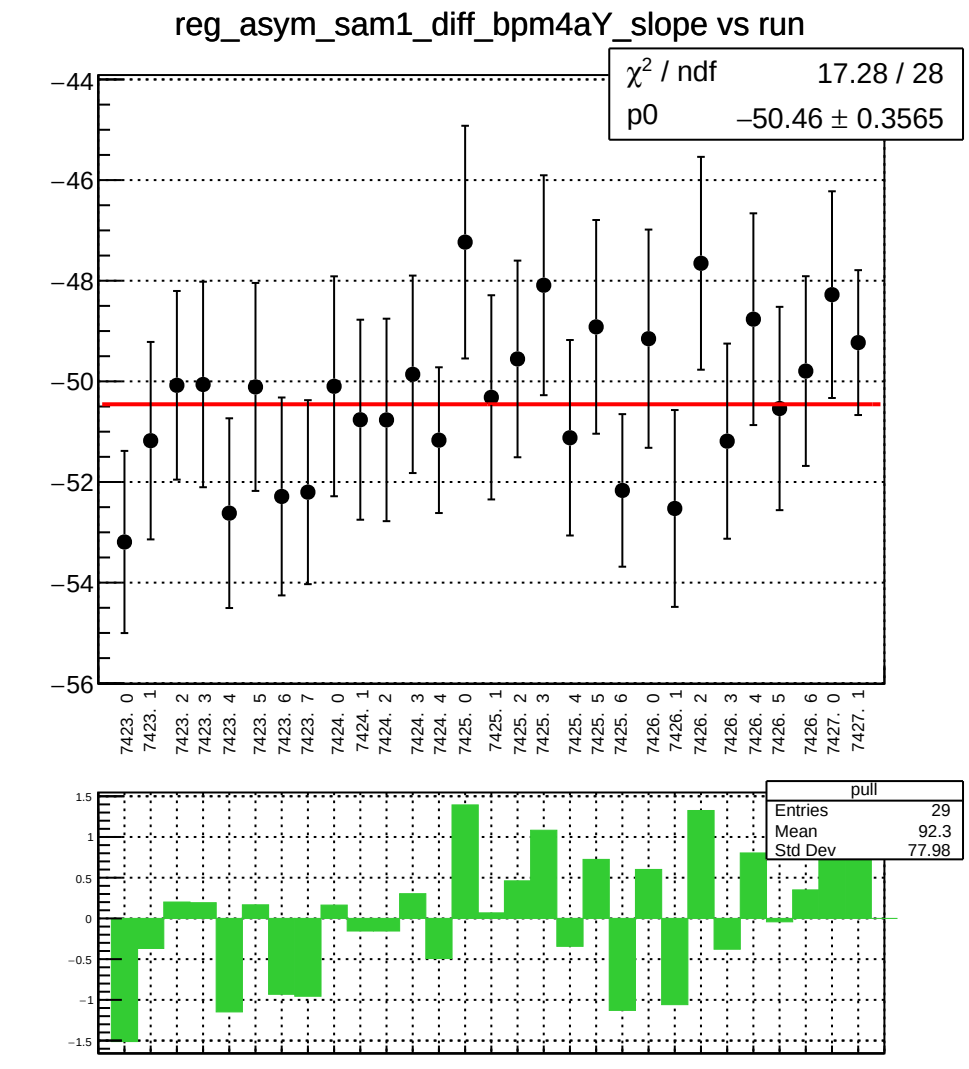

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

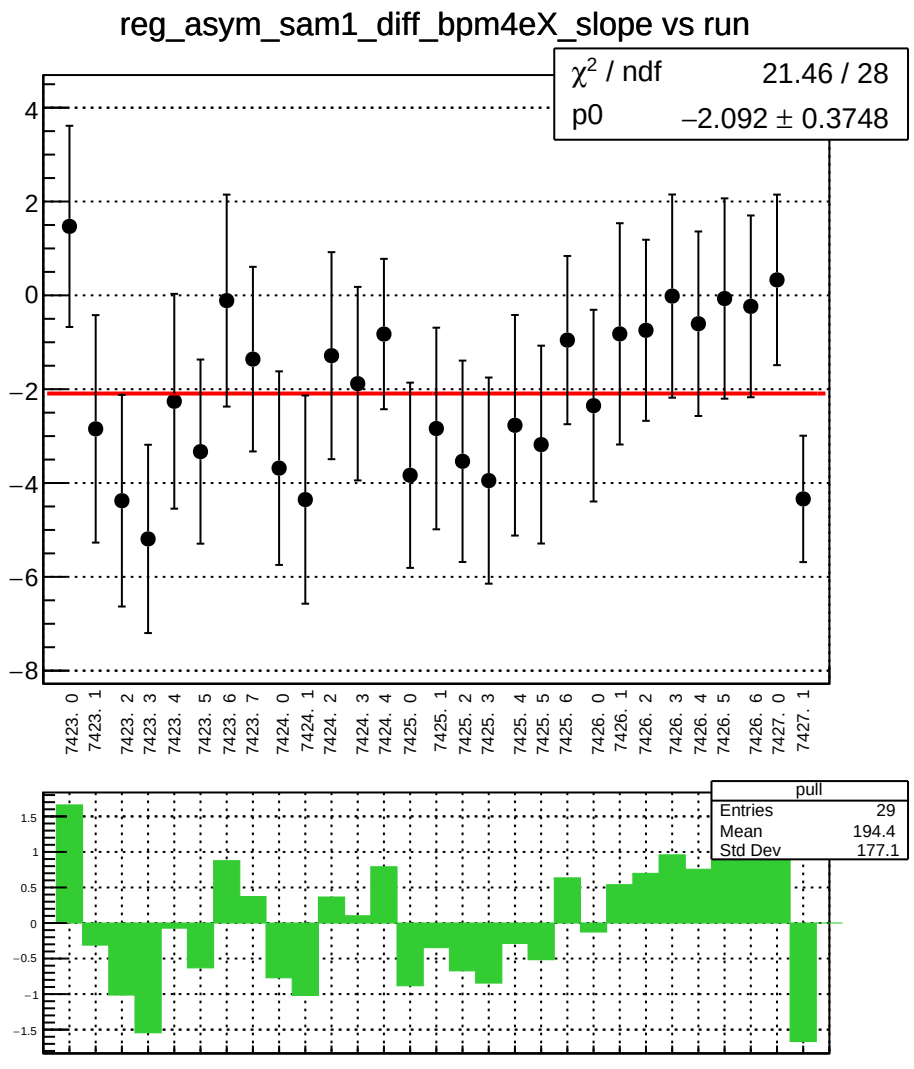

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

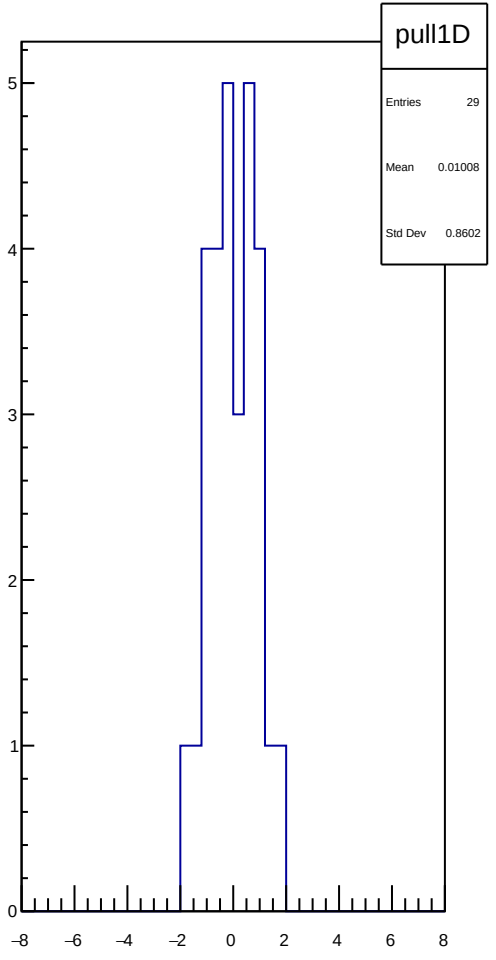

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

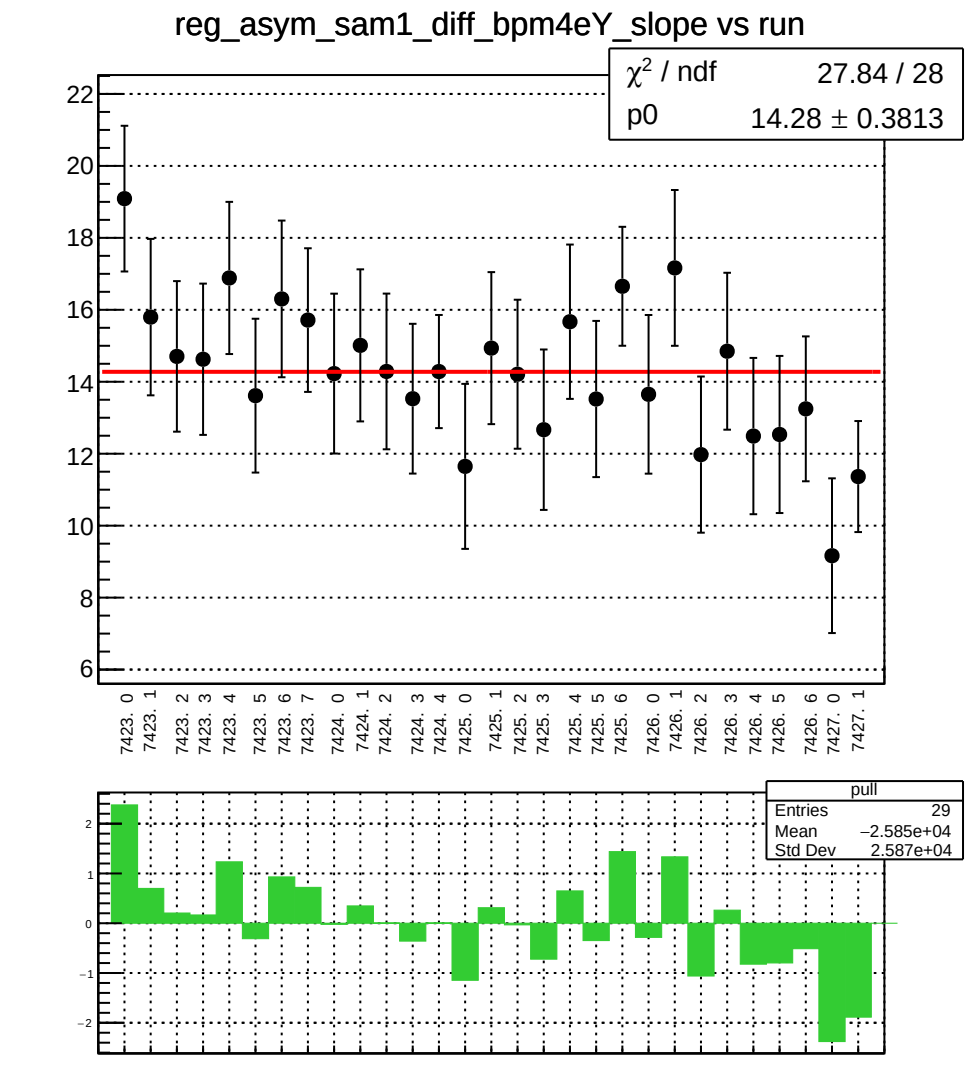

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

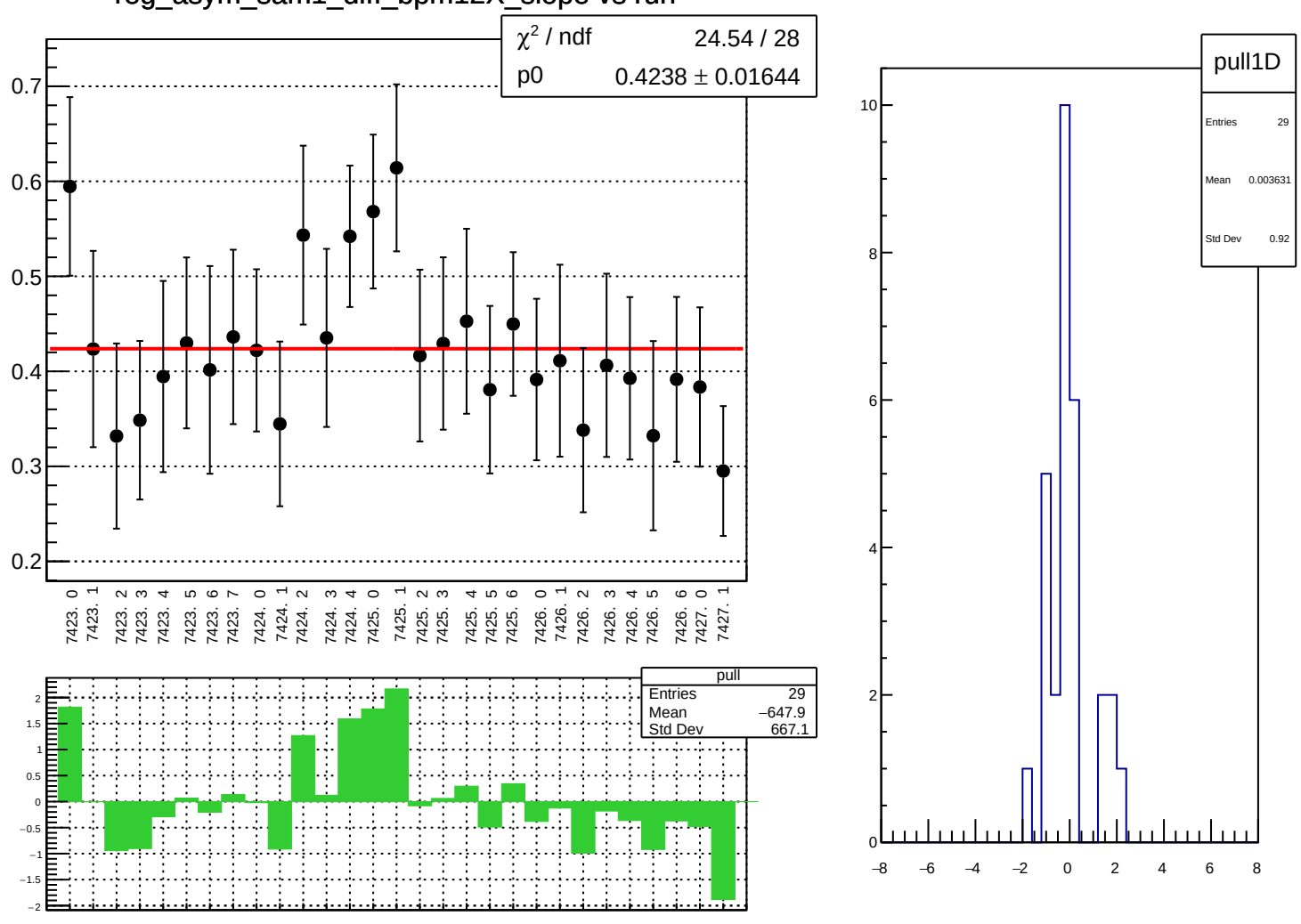

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 20.82 / 28
p0 −12.61 ± 0.359
−8
−10
−12
−14
−16
−18
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 92.16
Std Dev 74.61
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.0169
Std Dev 0.8471
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

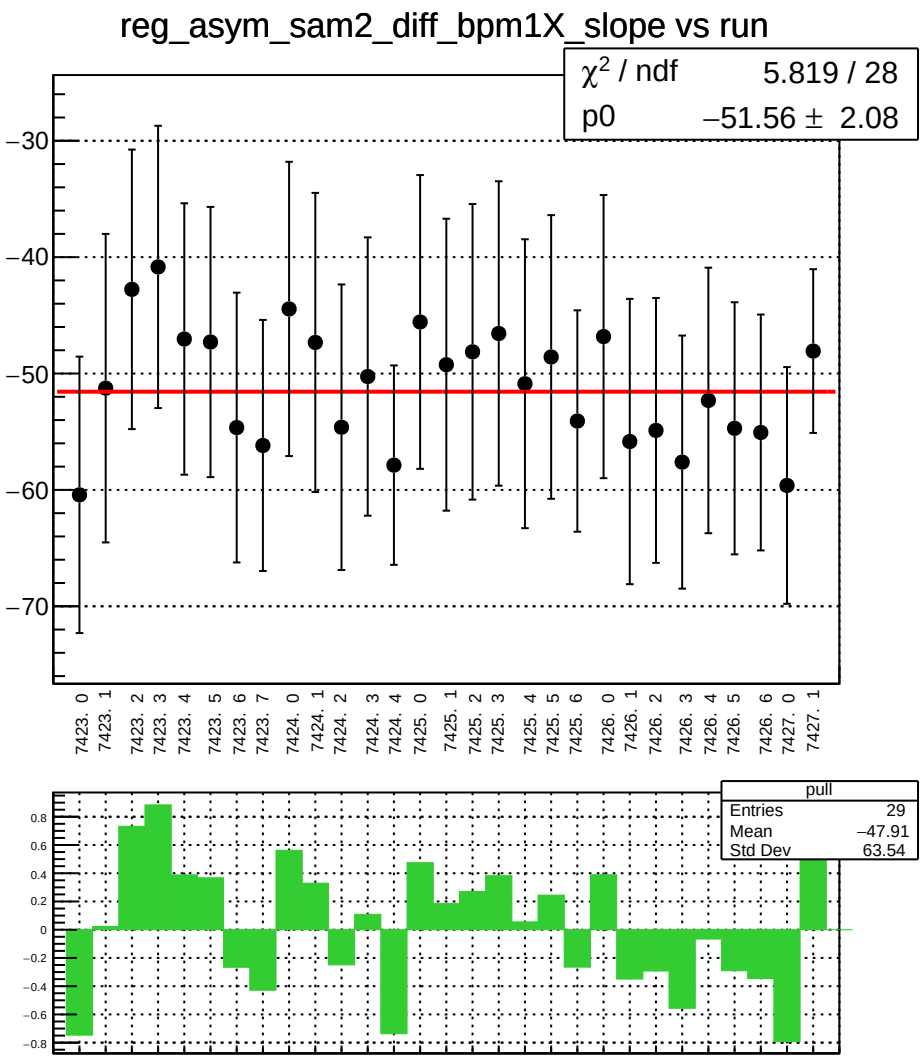

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 17.28 / 28
p0 −50.46 ± 0.3565
−44
−46
−48
−50
−52
−54
−56
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 92.3
Std Dev 77.98
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.03739
Std Dev 0.7711
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

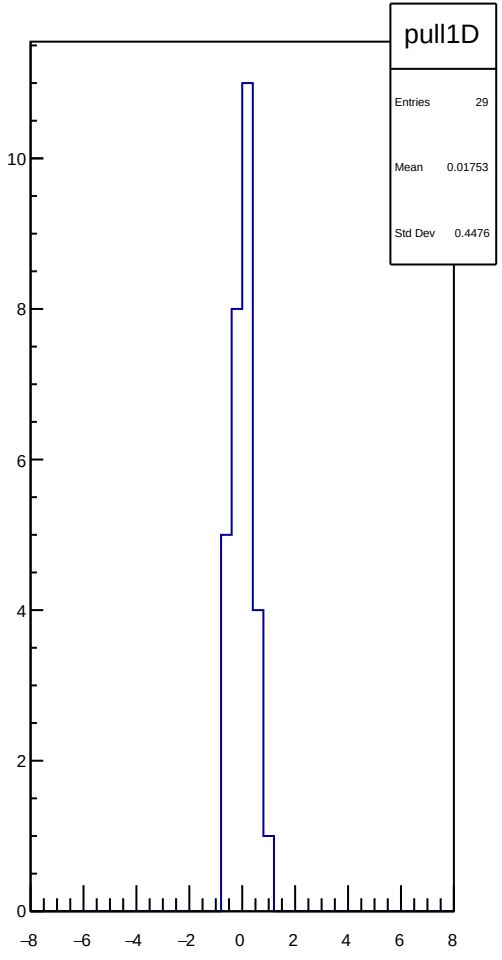

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 21.46 / 28
p0 −2.092 ± 0.3748
4
2
0
−2
−4
−6
−8
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 194.4
Std Dev 177.1
1.5
1
0.5
0
−0.5
−1
−1.5

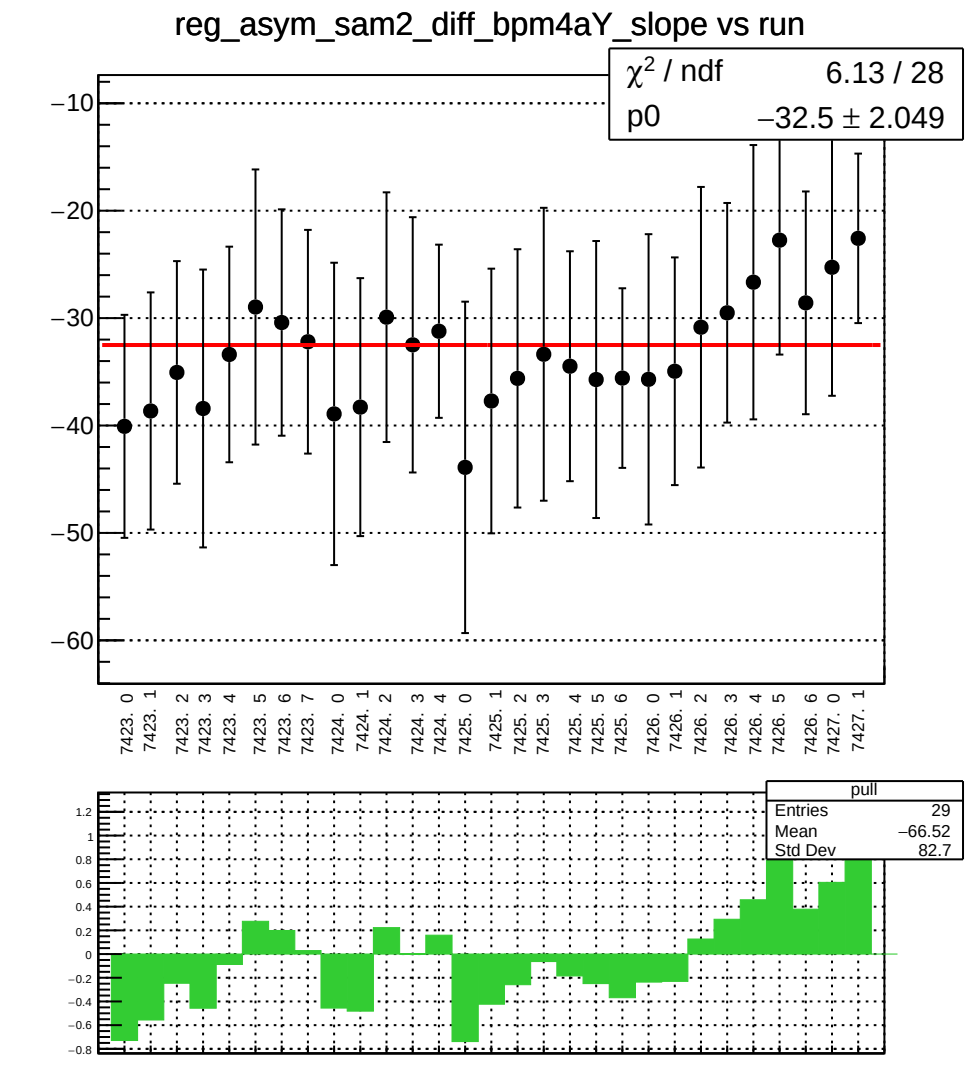

pull1D
Entries 29
Mean 0.01008
Std Dev 0.8602
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

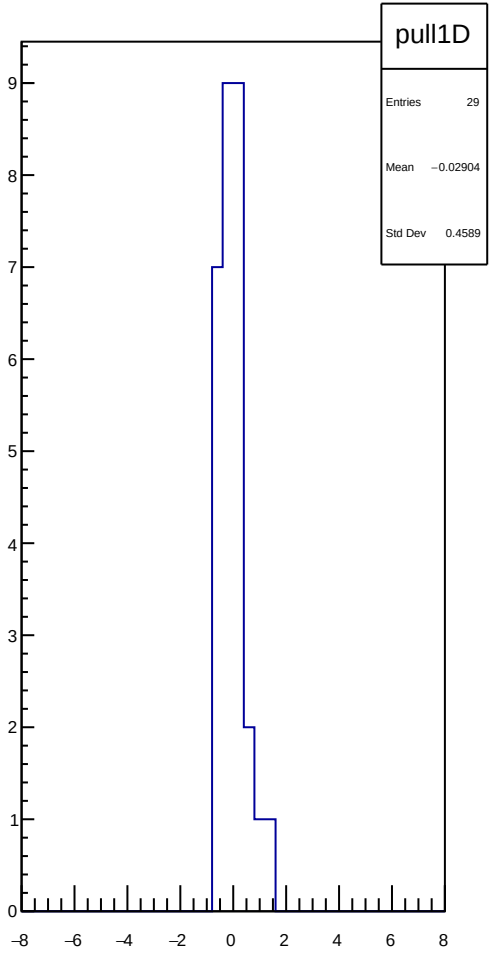

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 27.84 / 28
p0 14.28 ± 0.3813
22
20
18
16
14
12
10
8
6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −2.585e+04
Std Dev 2.587e+04
2
1
0
−1
−2
pull1D
Entries 29
Mean 0.0001876
Std Dev 0.9798
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

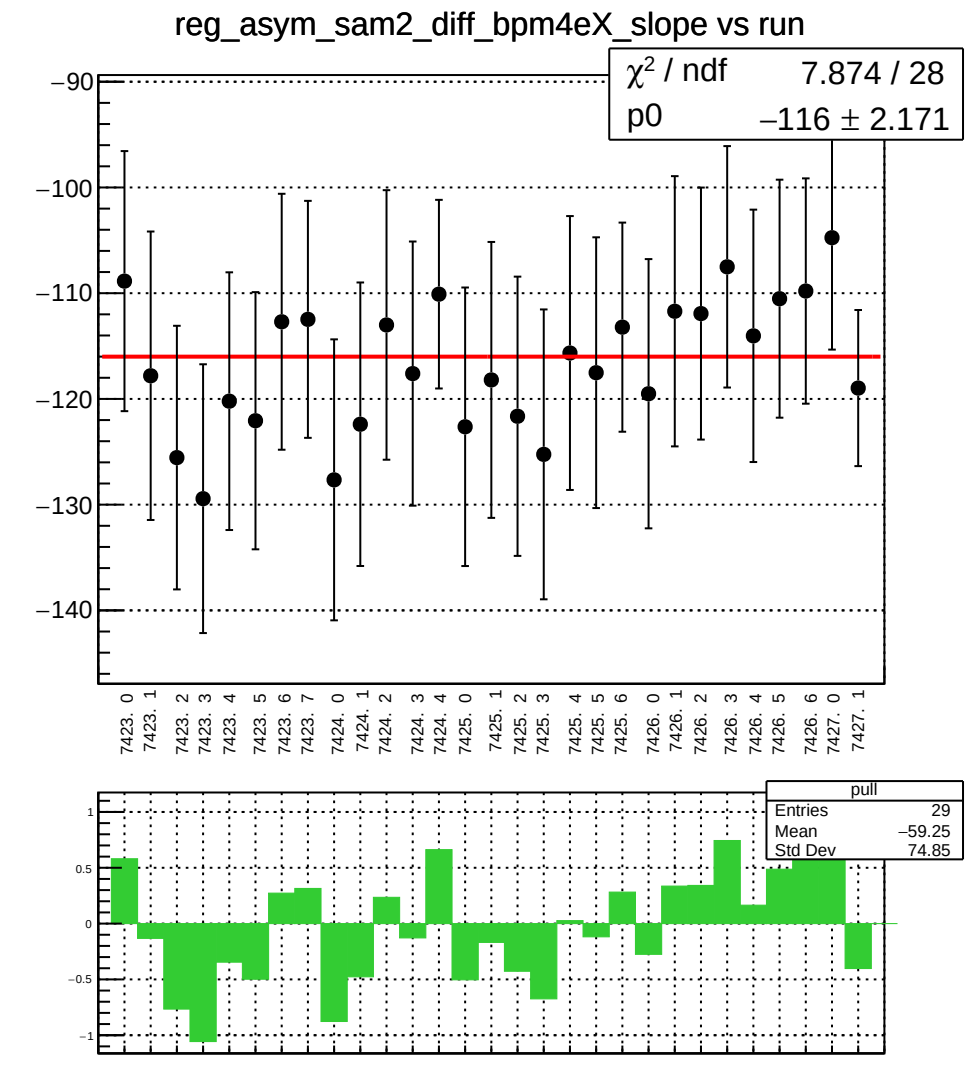

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 24.54 / 28
p0 0.4238 ± 0.01644
0.7
0.6
0.5
0.4
0.3
0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −647.9
Std Dev 667.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean 0.003631
Std Dev 0.92
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

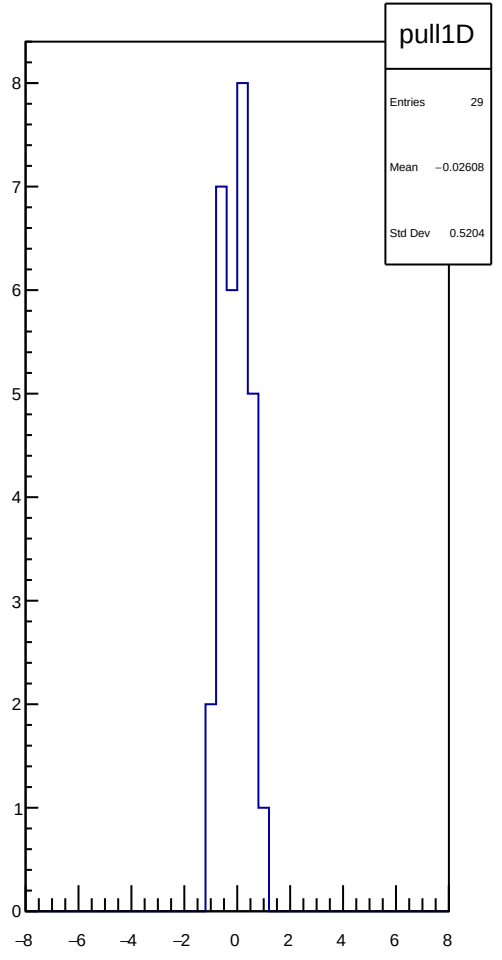

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 5.819 / 28
p0 −51.56 ± 2.08
−30
−40
−50
−60
−70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −47.91
Std Dev 63.54
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

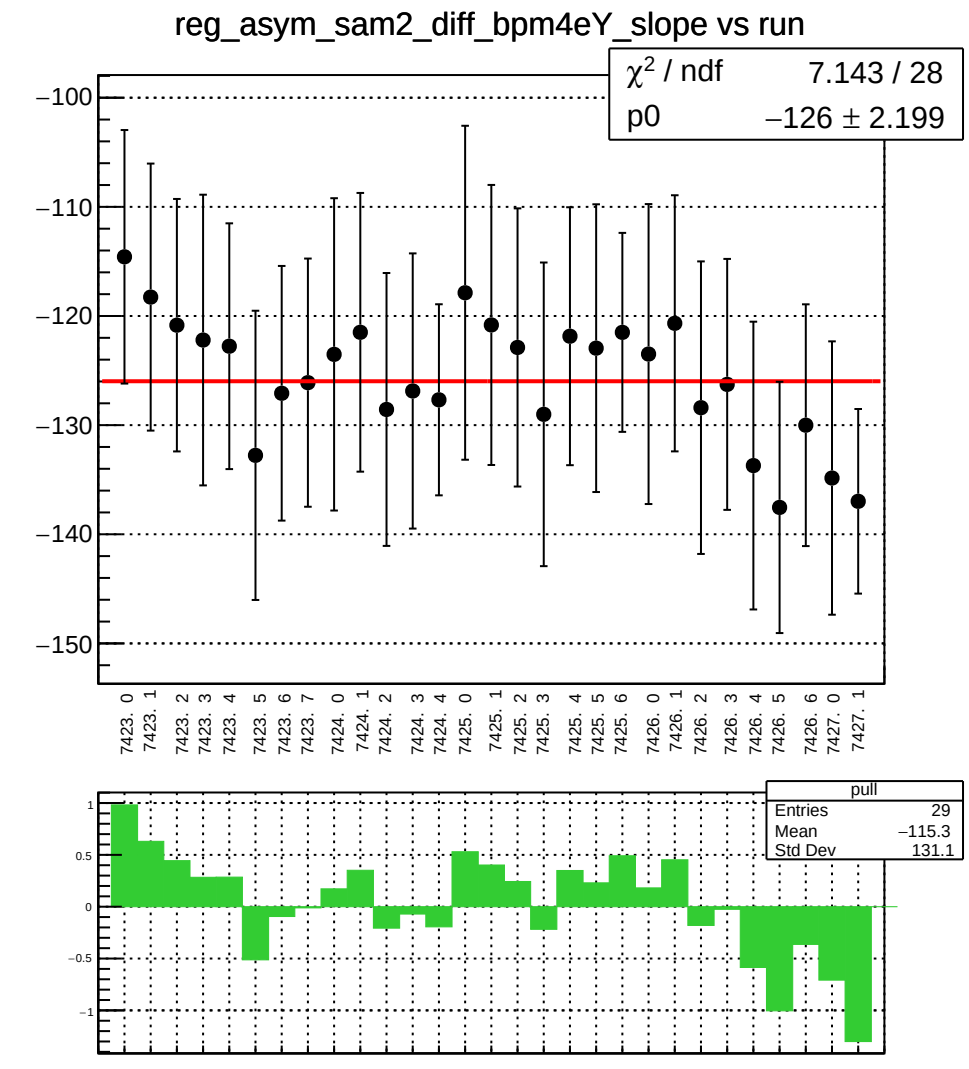

pull1D
Entries 29
Mean 0.01753
Std Dev 0.4476
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

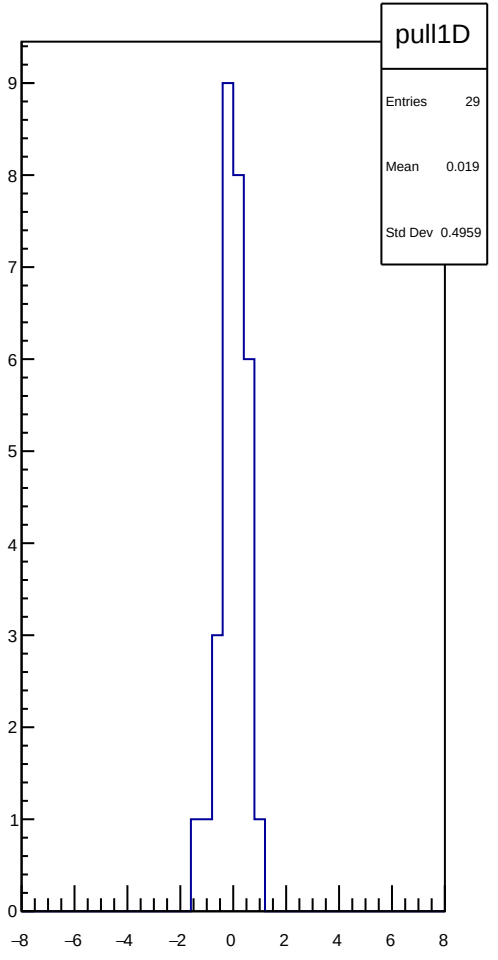

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 6.13 / 28
p0 −32.5 ± 2.049
−10
−20
−30
−40
−50
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −66.52
Std Dev 82.7
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

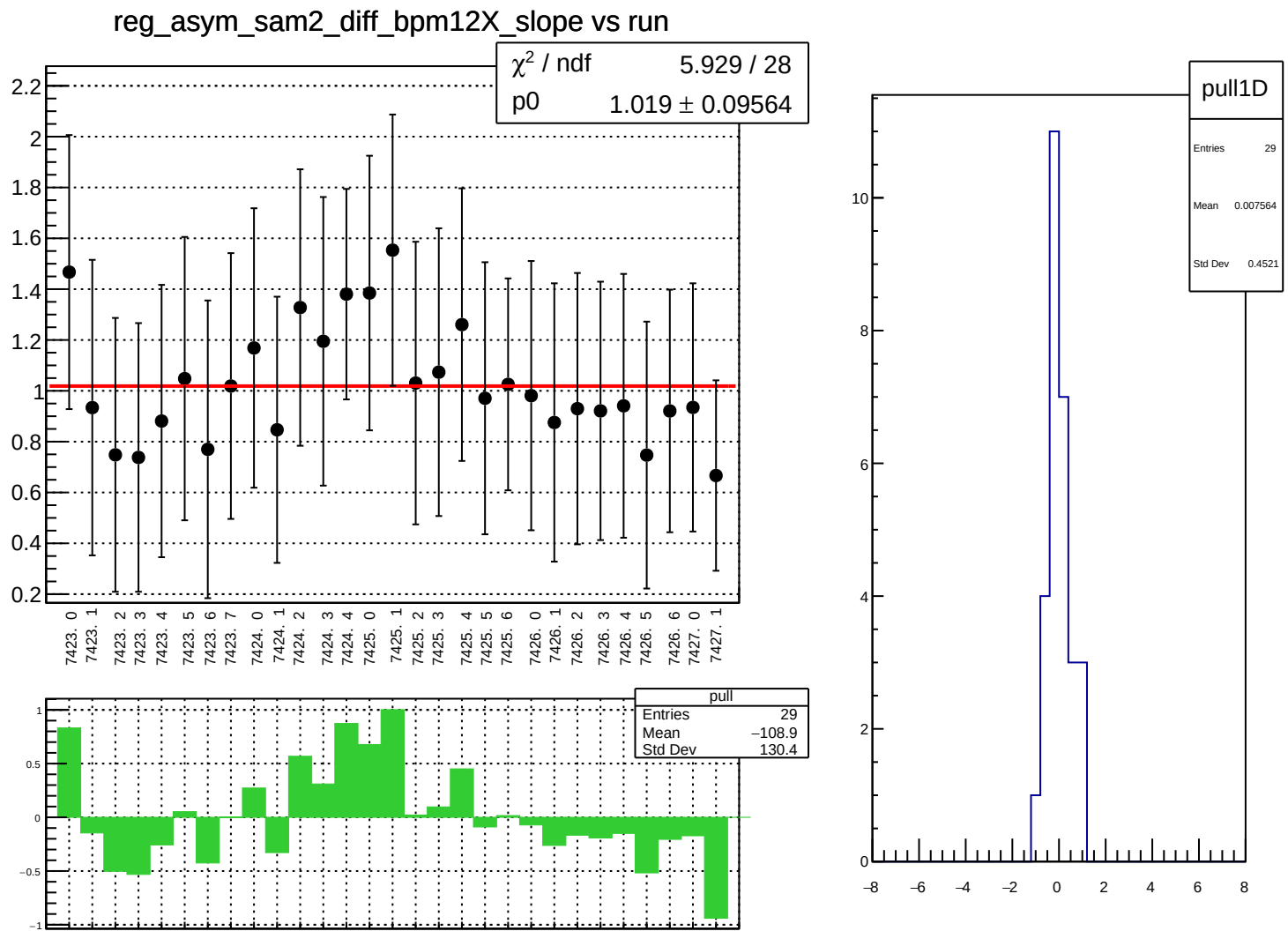

pull1D
Entries 29
Mean −0.02904
Std Dev 0.4589
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

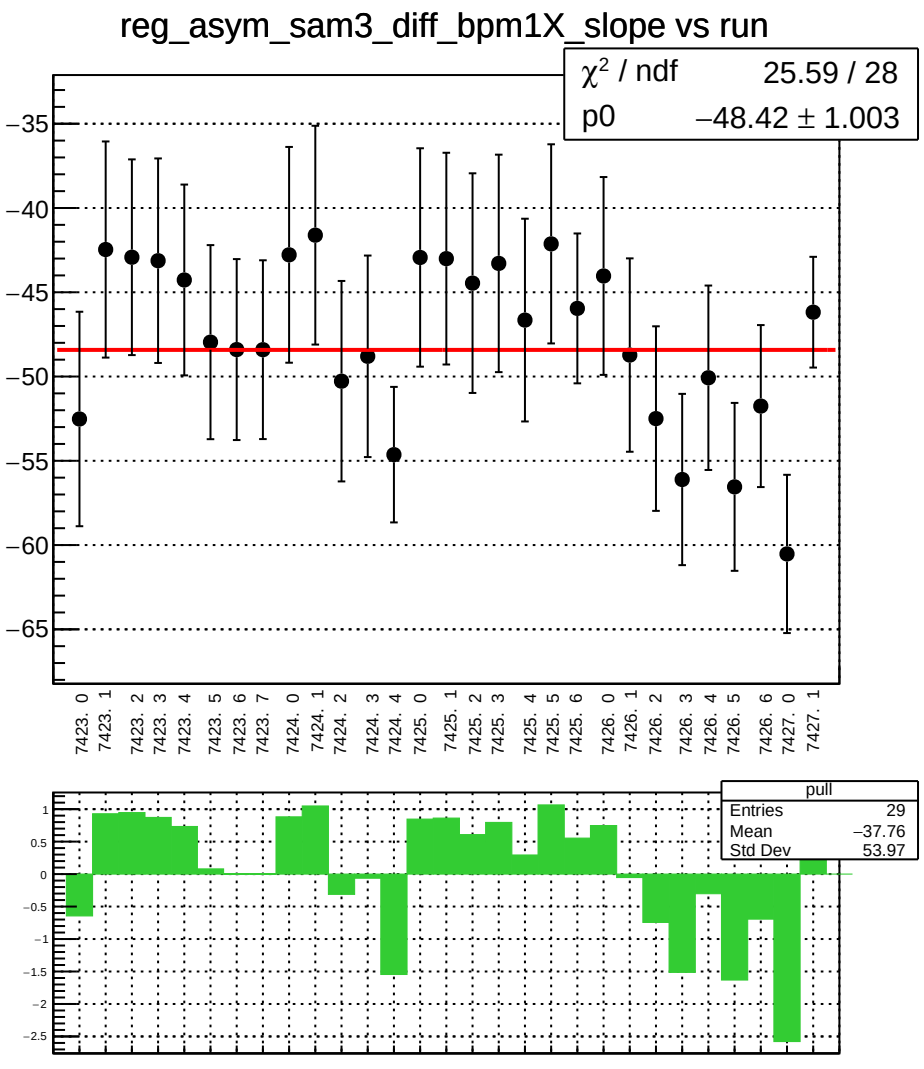

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 7.874 / 28
p0 −116 ± 2.171
−90
−100
−110
−120
−130
−140
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −59.25
Std Dev 74.85
1
0.5
0
−0.5
−1

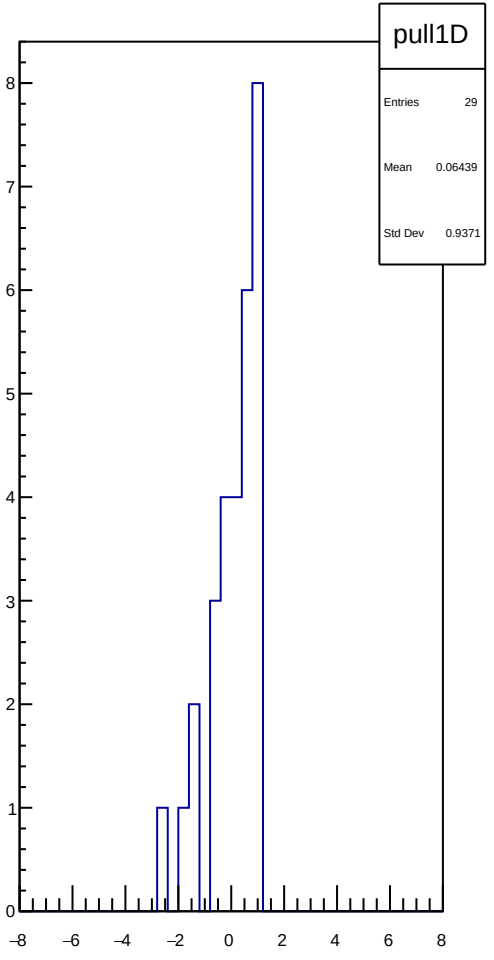

pull1D
Entries 29
Mean −0.02608
Std Dev 0.5204
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

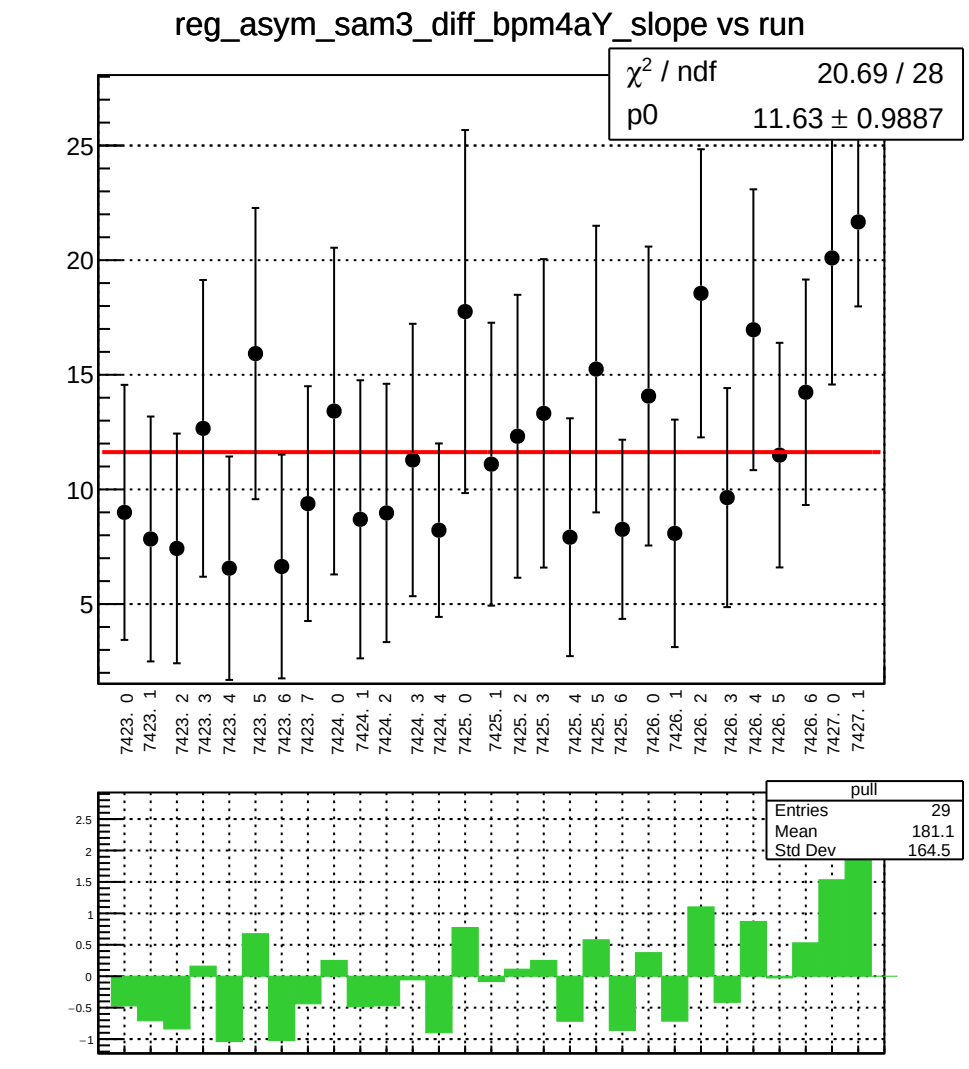

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 7.143 / 28
p0 −126 ± 2.199
−100
−110
−120
−130
−140
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −115.3
Std Dev 131.1
1
0.5
0
−0.5
−1

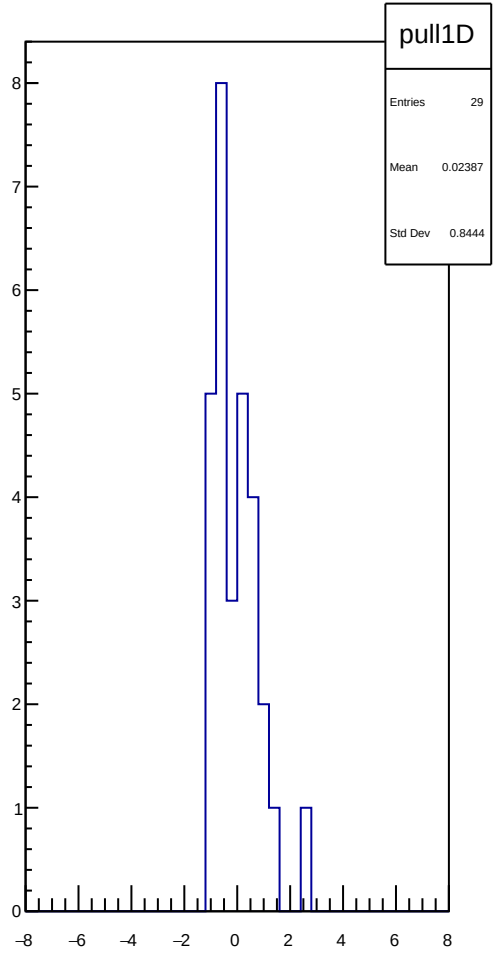

pull1D
Entries 29
Mean 0.019
Std Dev 0.4959
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

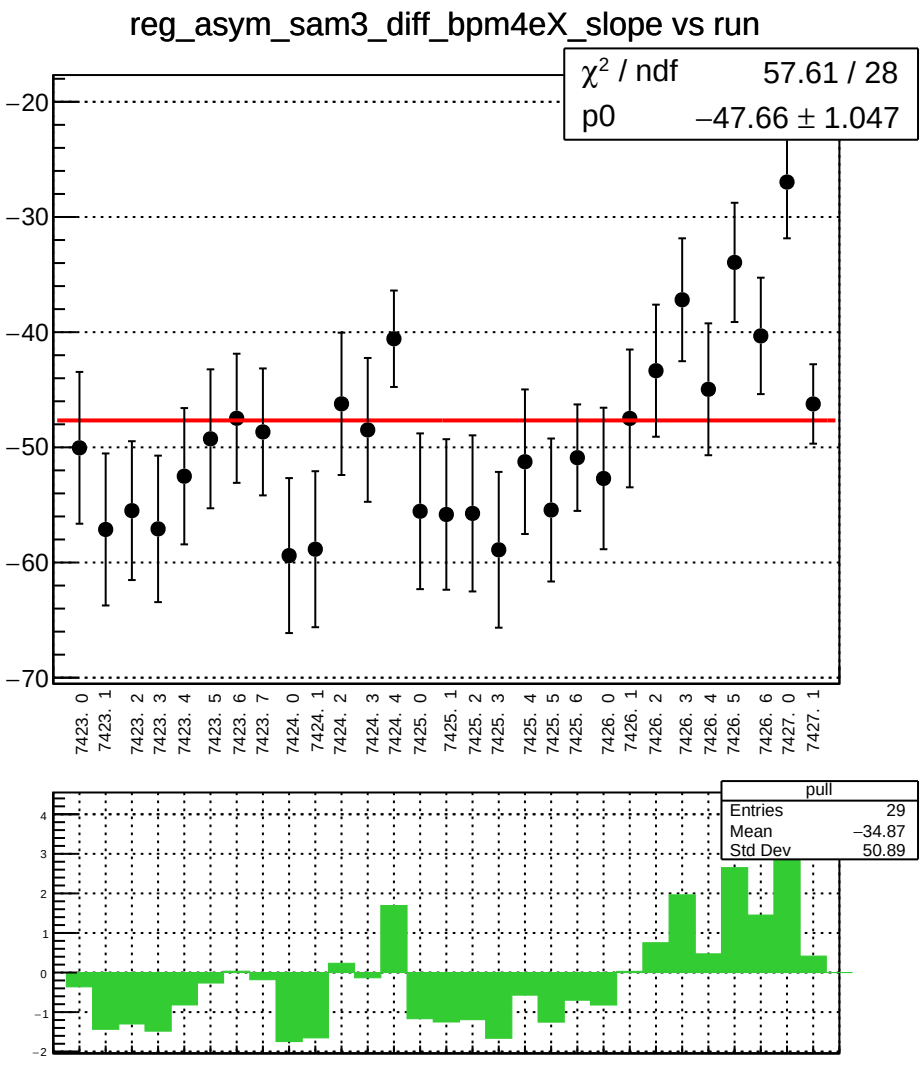

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 5.929 / 28
p0 1.019 ± 0.09564
pull
Entries 29
Mean −108.9
Std Dev 130.4
pull1D
Entries 29
Mean 0.007564
Std Dev 0.4521

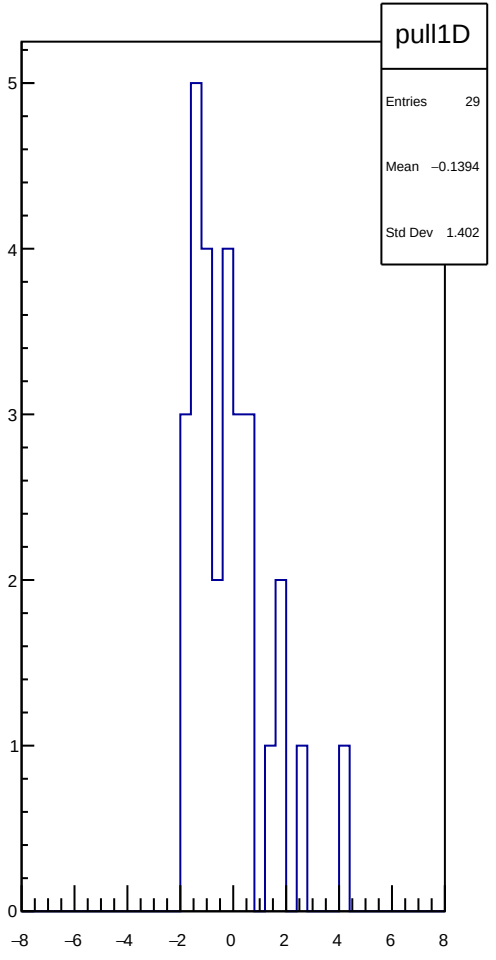

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 25.59 / 28
p0 −48.42 ± 1.003
−35
−40
−45
−50
−55
−60
−65
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −37.76
Std Dev 53.97
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

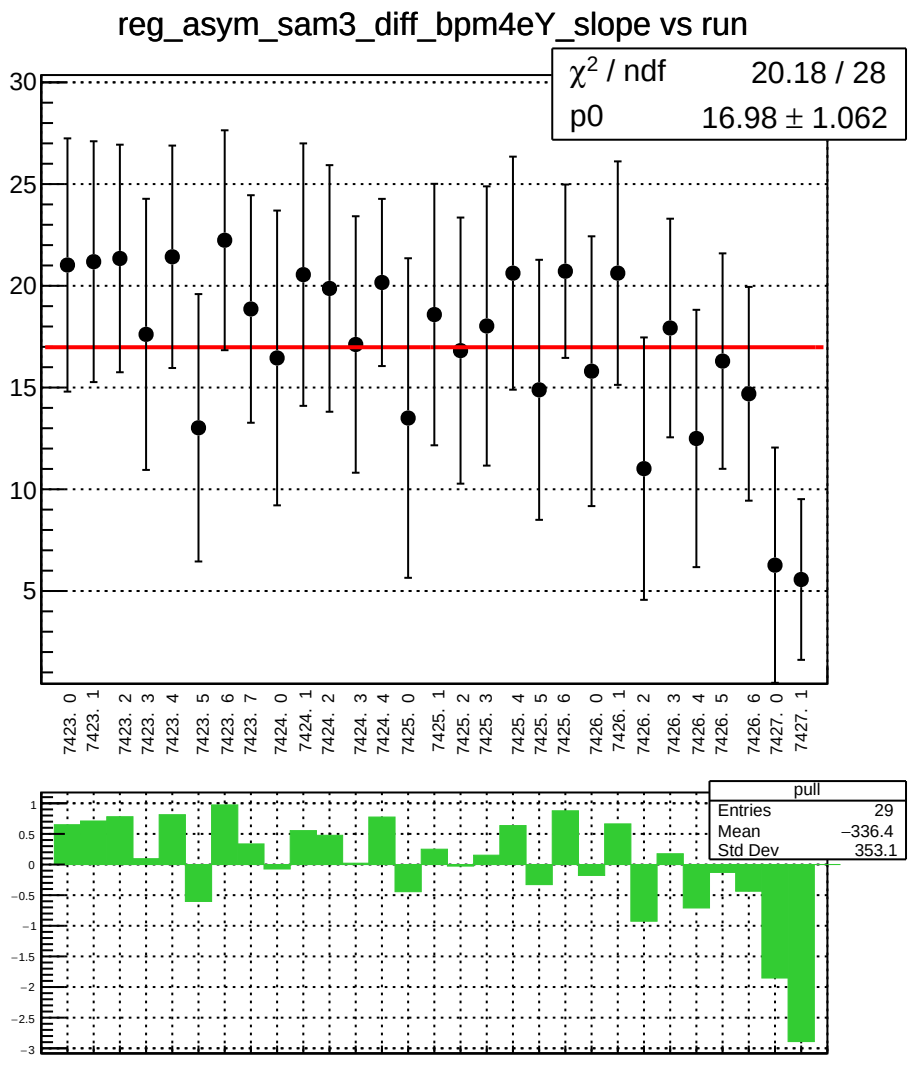

pull1D
Entries 29
Mean 0.06439
Std Dev 0.9371
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

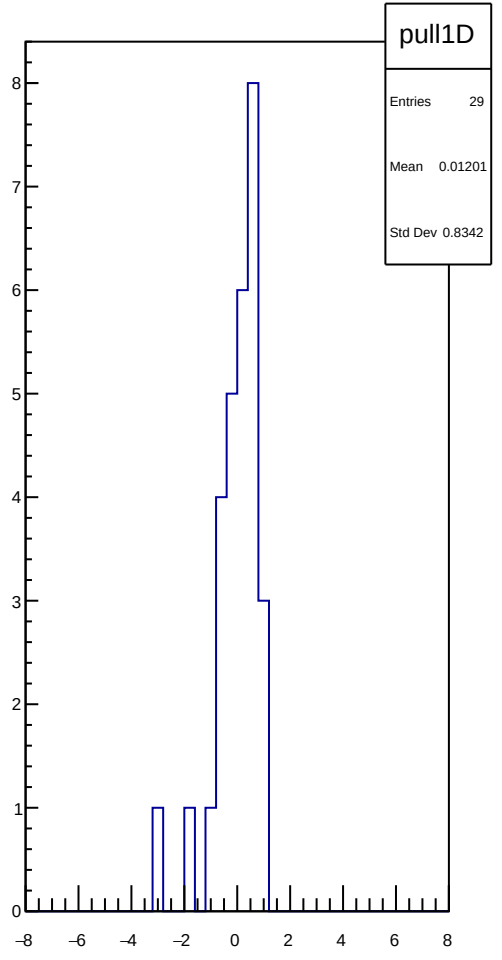

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 20.69 / 28
p0 11.63 ± 0.9887
25
20
15
10
5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 181.1
Std Dev 164.5
2.5
2
1.5
1
0.5
0
−0.5
−1

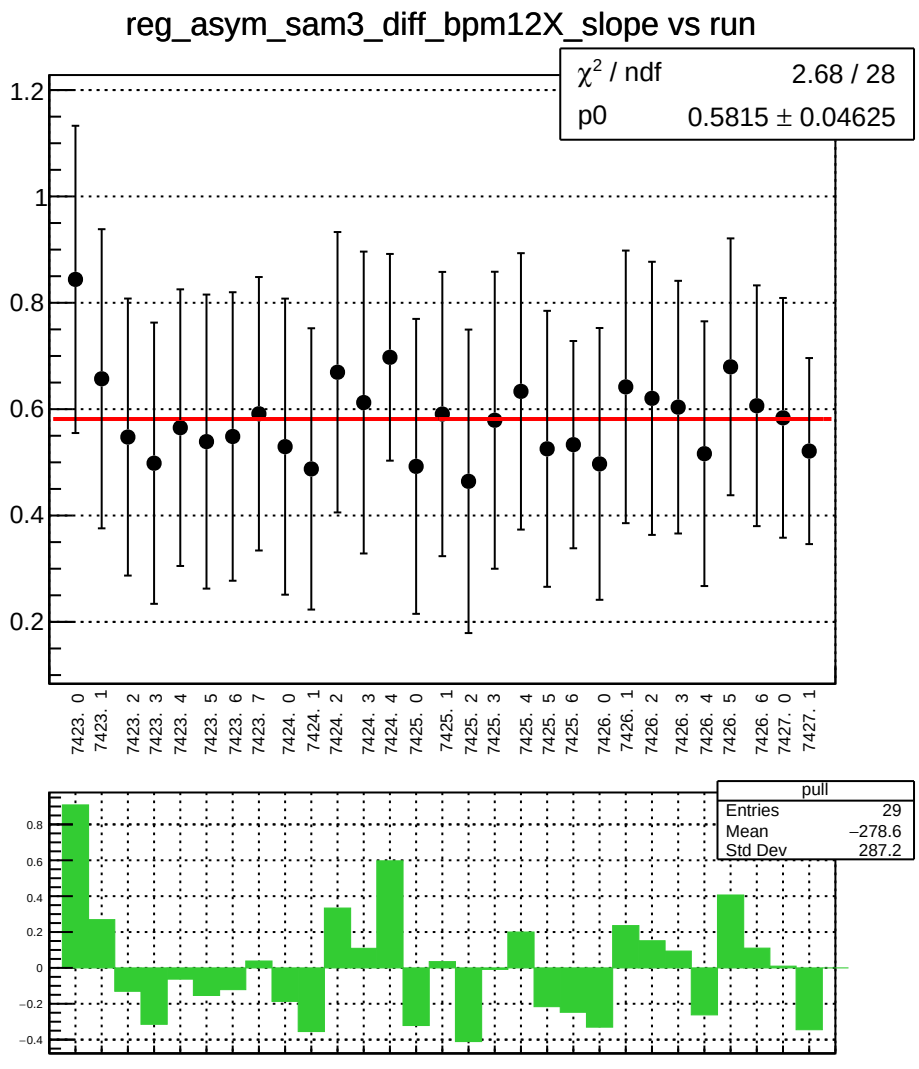

pull1D
Entries 29
Mean 0.02387
Std Dev 0.8444
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

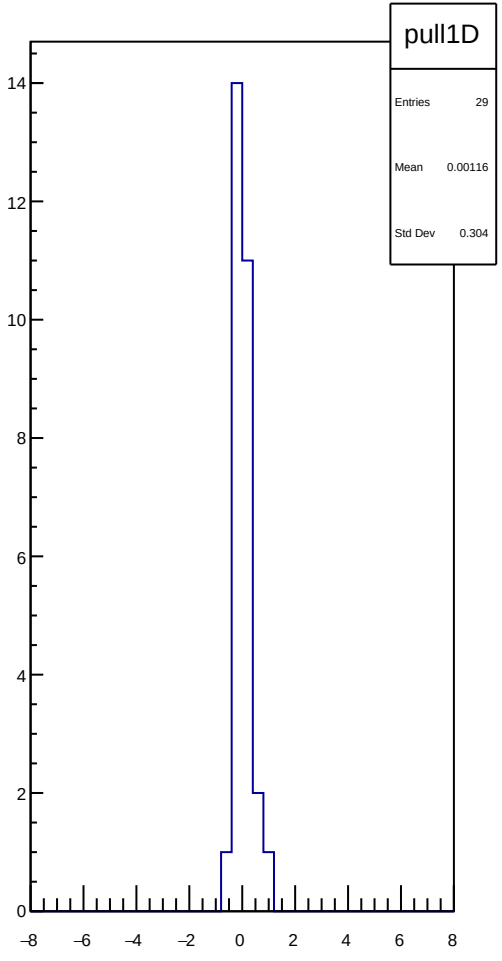

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 57.61 / 28
p0 −47.66 ± 1.047
−20
−30
−40
−50
−60
−70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −34.87
Std Dev 50.89
4
3
2
1
0
−1
−2

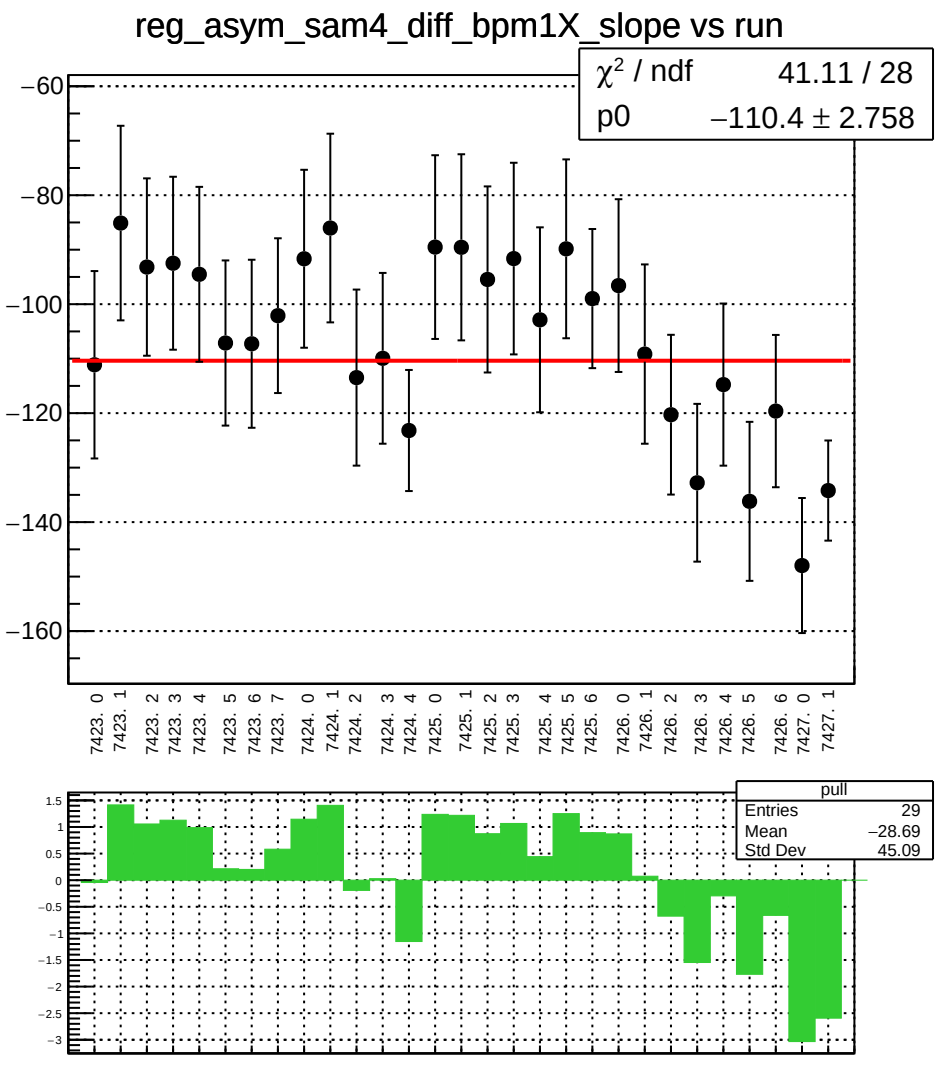

pull1D
Entries 29
Mean −0.1394
Std Dev 1.402
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

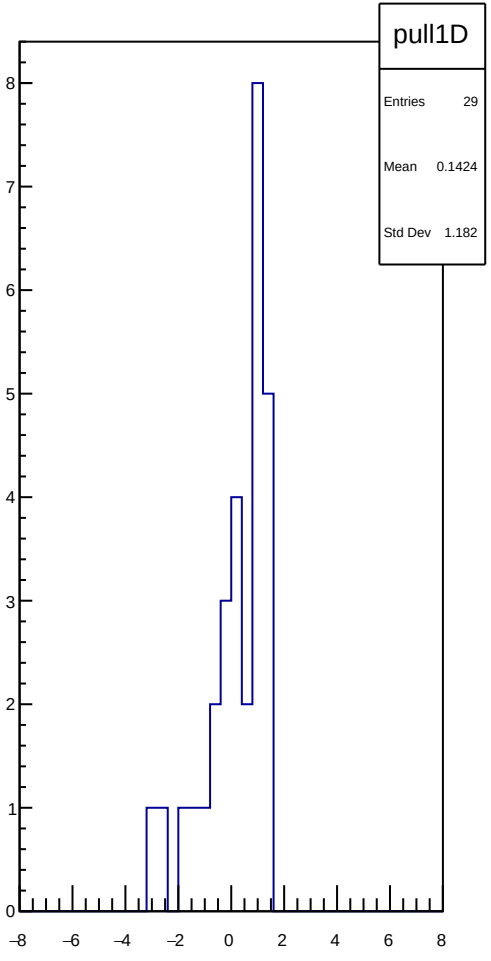

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 20.18 / 28
p0 16.98 ± 1.062
pull
Entries 29
Mean −336.4
Std Dev 353.1
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

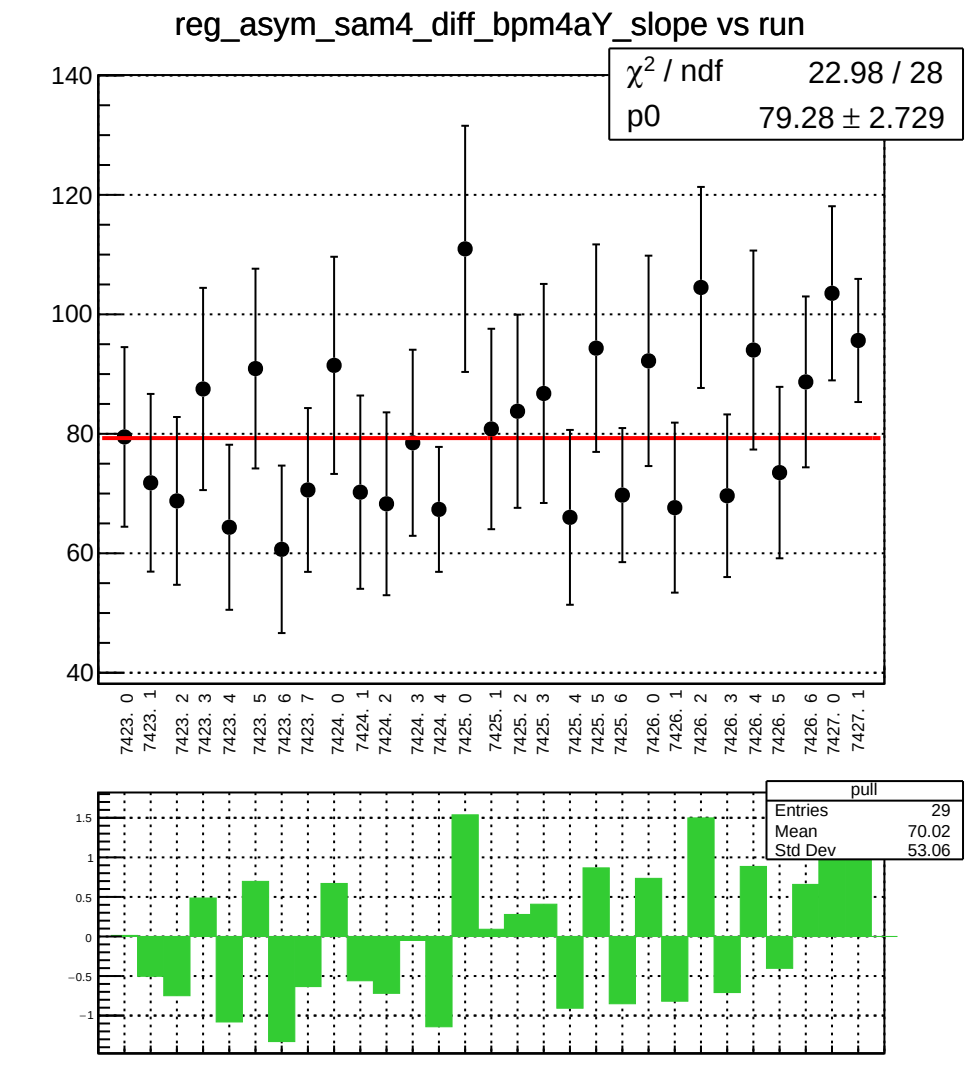

pull1D
Entries 29
Mean 0.01201
Std Dev 0.8342

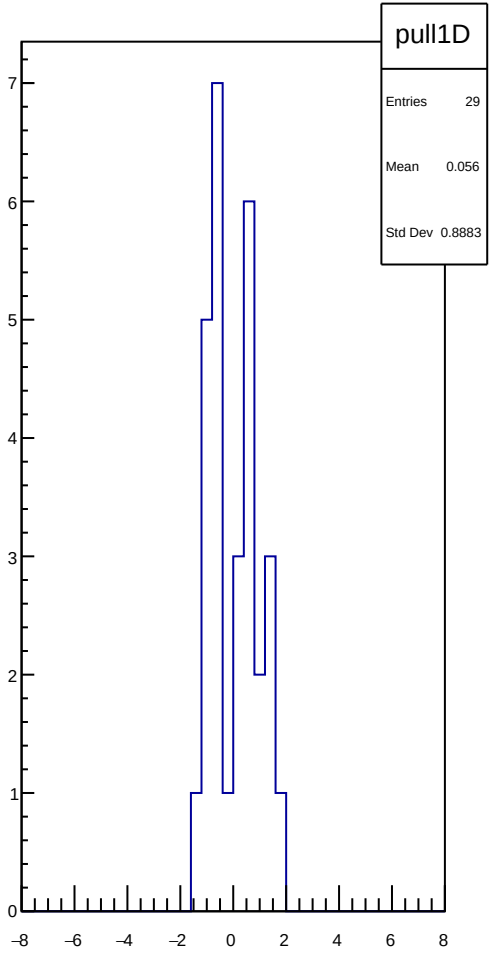

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.68 / 28
p0 0.5815 ± 0.04625
1.2
1
0.8
0.6
0.4
0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −278.6
Std Dev 287.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4

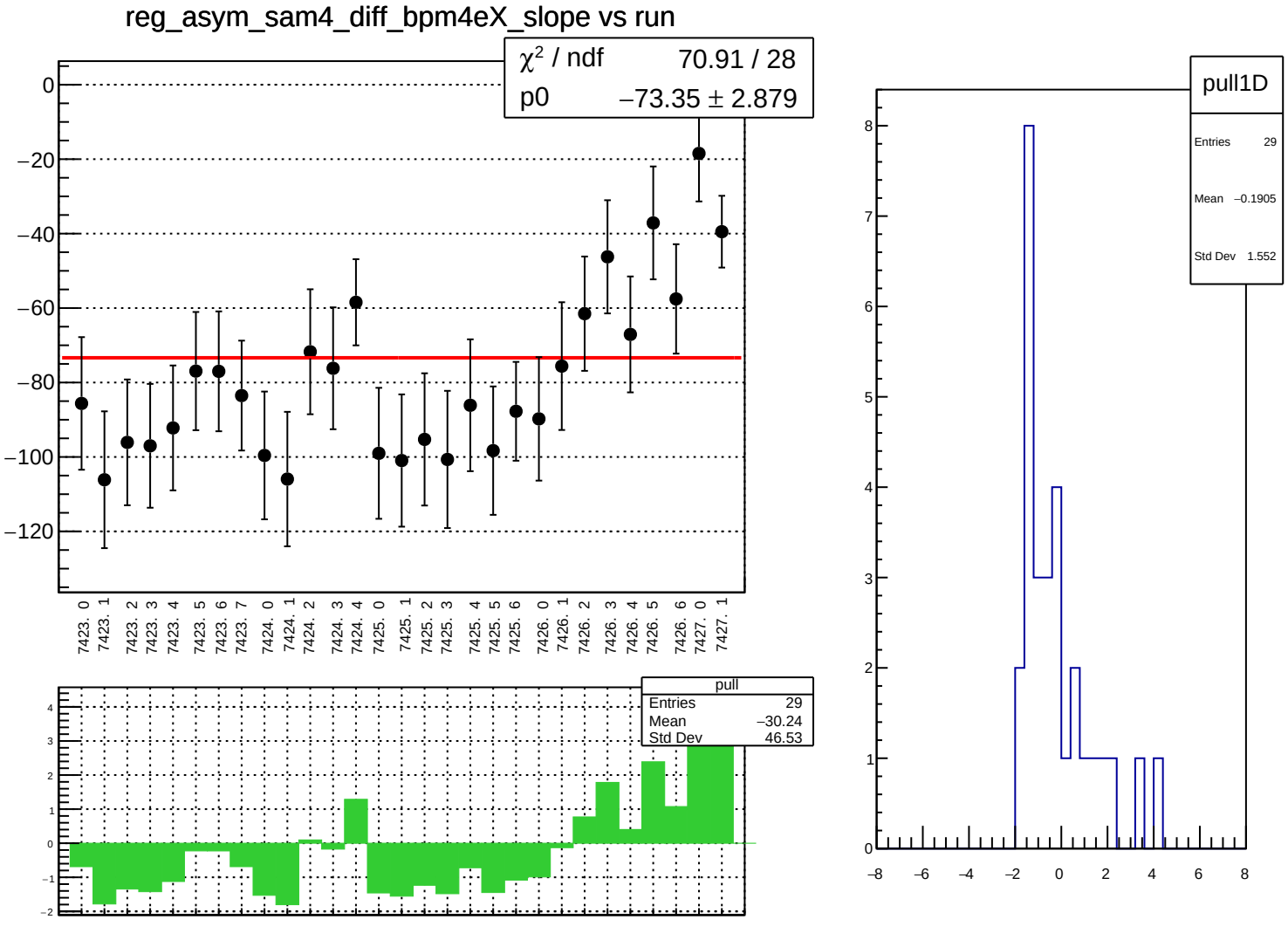

pull1D
Entries 29
Mean 0.00116
Std Dev 0.304
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

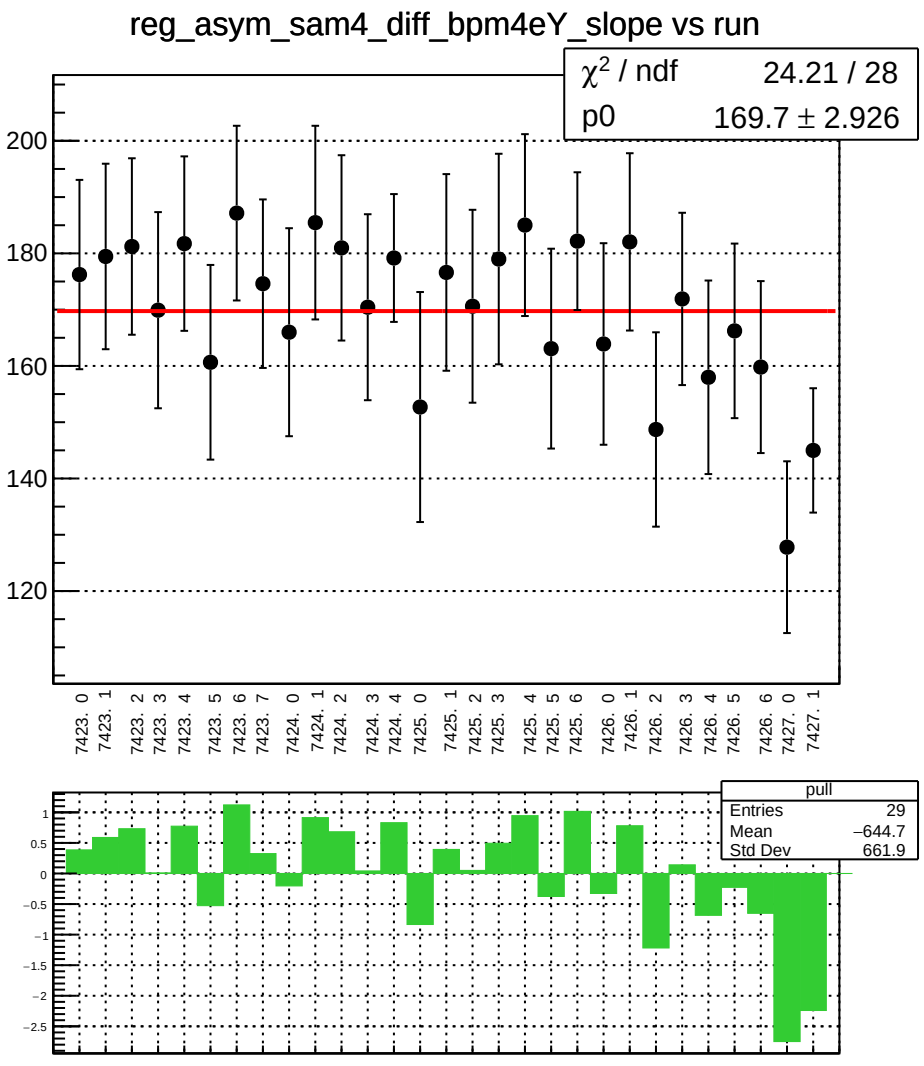

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 41.11 / 28
p0 −110.4 ± 2.758
pull
Entries 29
Mean −28.69
Std Dev 45.09

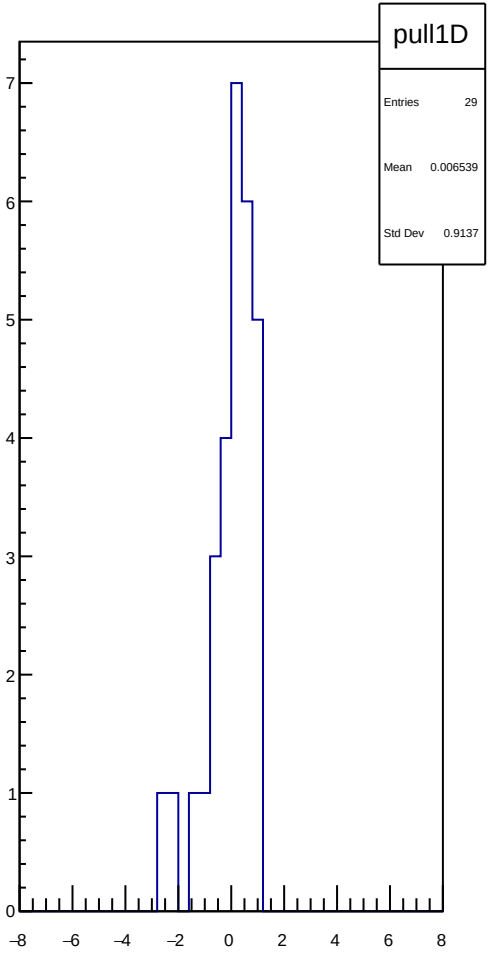

pull1D
Entries 29
Mean 0.1424
Std Dev 1.182

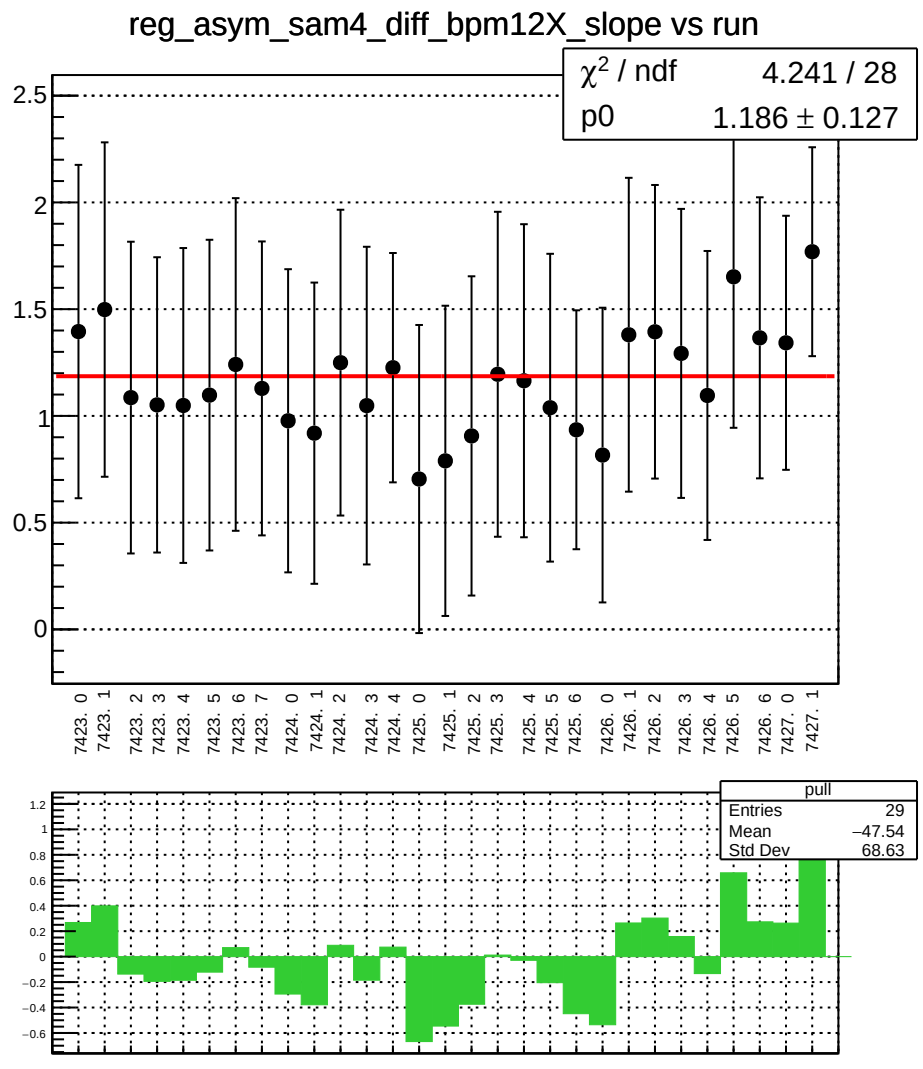

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 22.98 / 28
p0 79.28 ± 2.729
140
120
100
80
60
40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 70.02
Std Dev 53.06
1.5
1
0.5
0
−0.5
−1

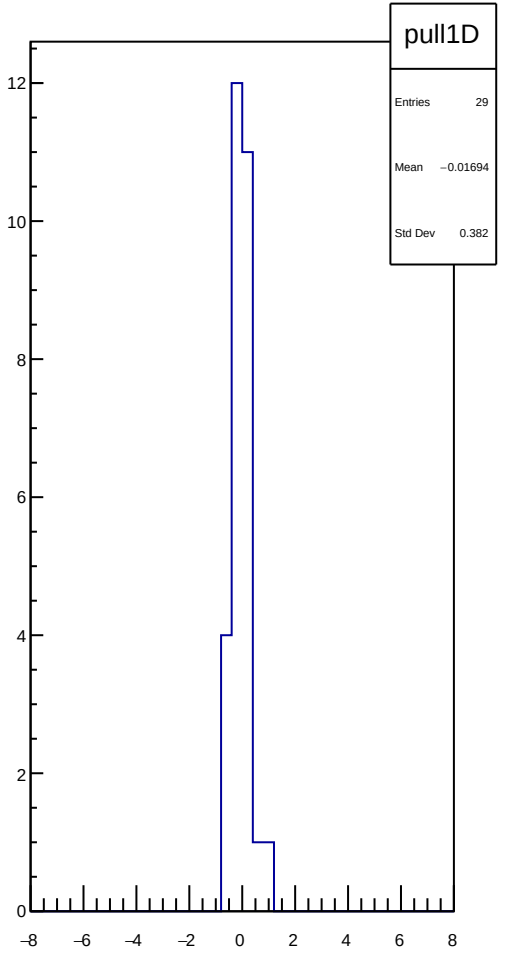

pull1D
Entries 29
Mean 0.056
Std Dev 0.8883
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

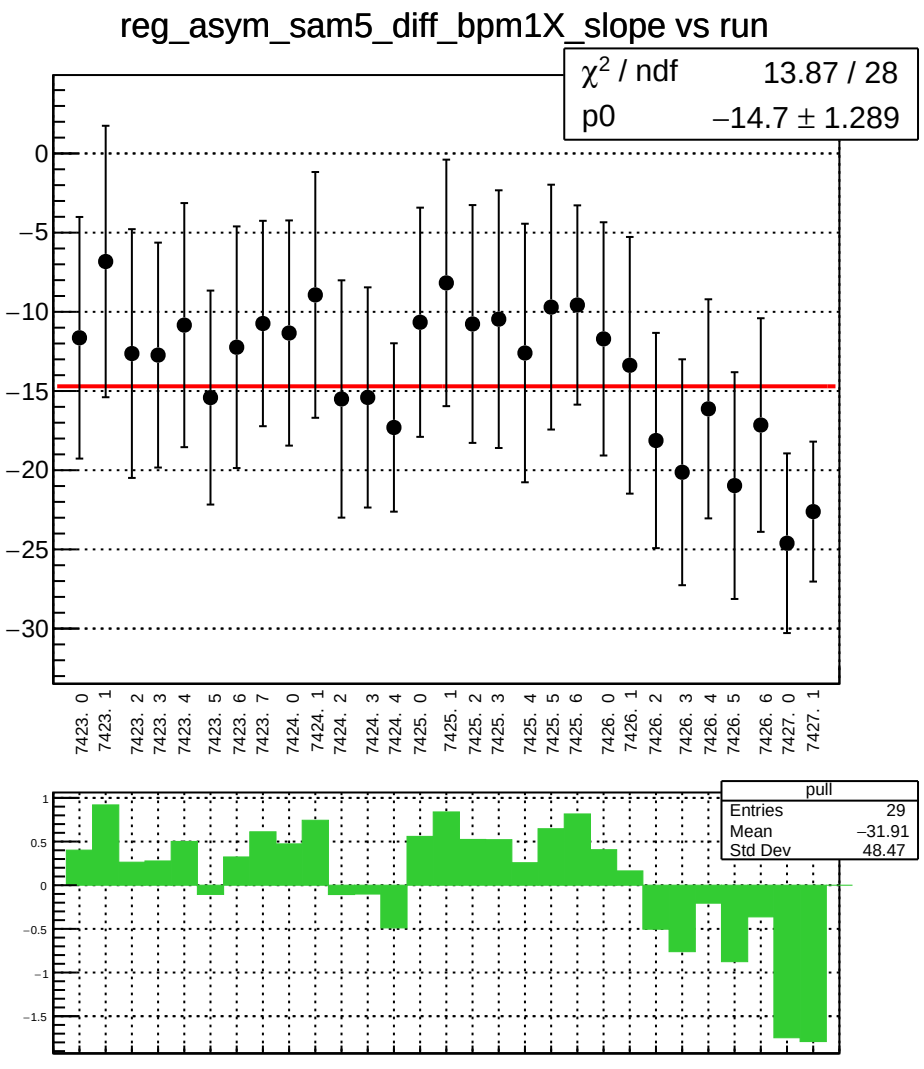

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 70.91 / 28
p0 −73.35 ± 2.879
0
−20
−40
−60
−80
−100
−120
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.24
Std Dev 46.53
4
3
2
1
0
−1
−2
pull1D
Entries 29
Mean −0.1905
Std Dev 1.552
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

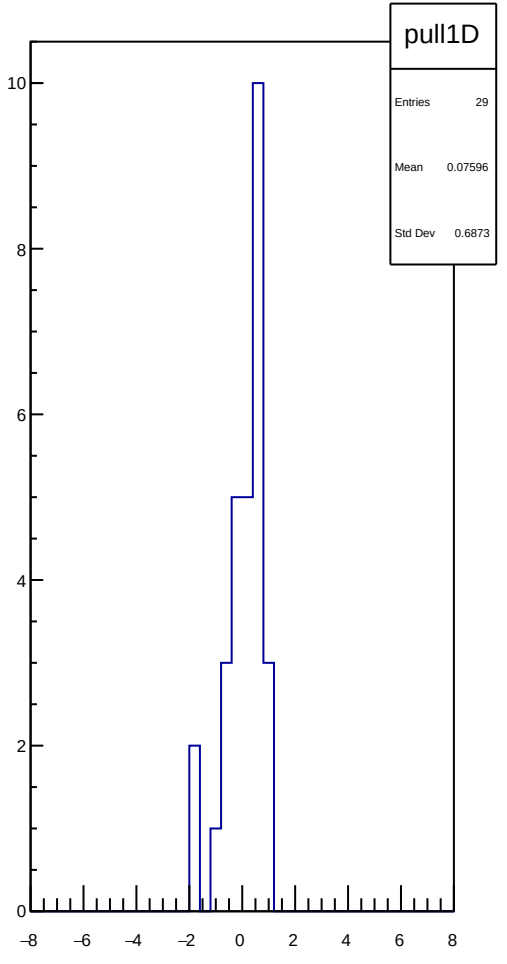

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 24.21 / 28
p0 169.7 ± 2.926
200
180
160
140
120
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −644.7
Std Dev 661.9
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

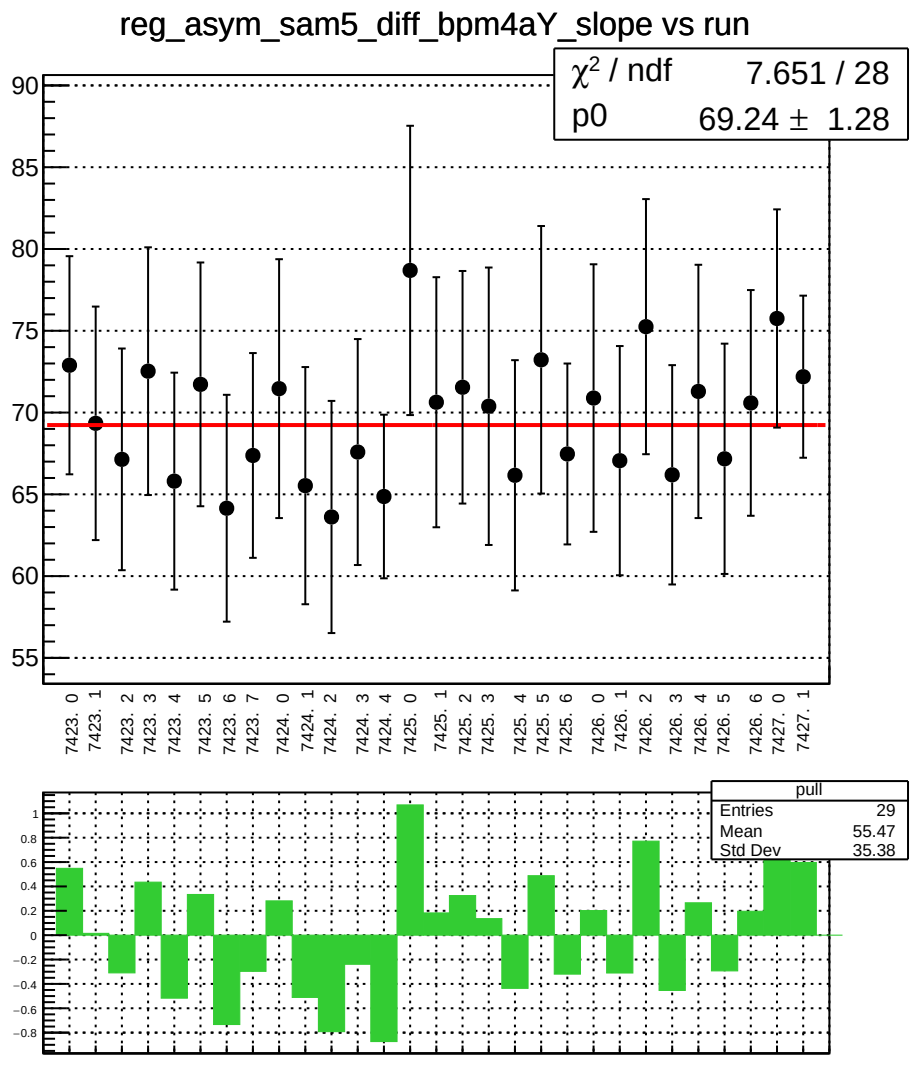

pull1D
Entries 29
Mean 0.006539
Std Dev 0.9137
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

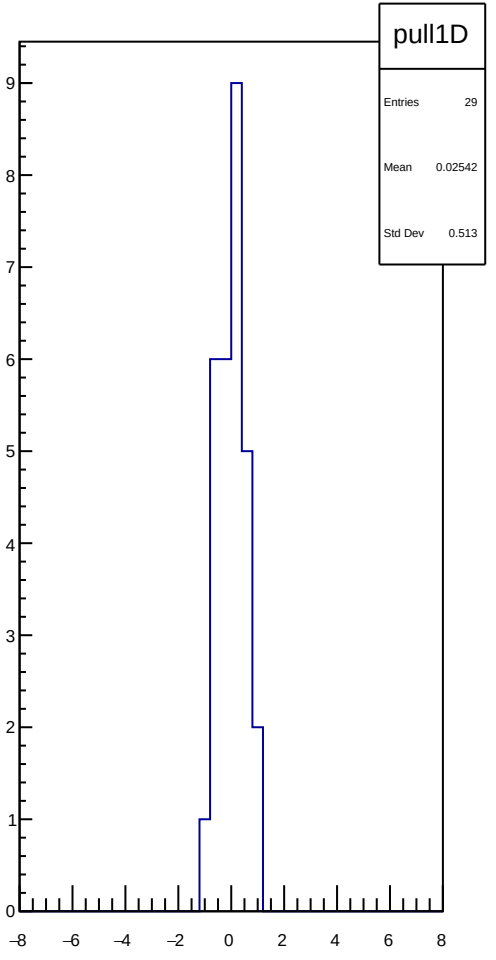

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 4.241 / 28
p0 1.186 ± 0.127
2.5
2
1.5
1
0.5
0
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −47.54
Std Dev 68.63
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

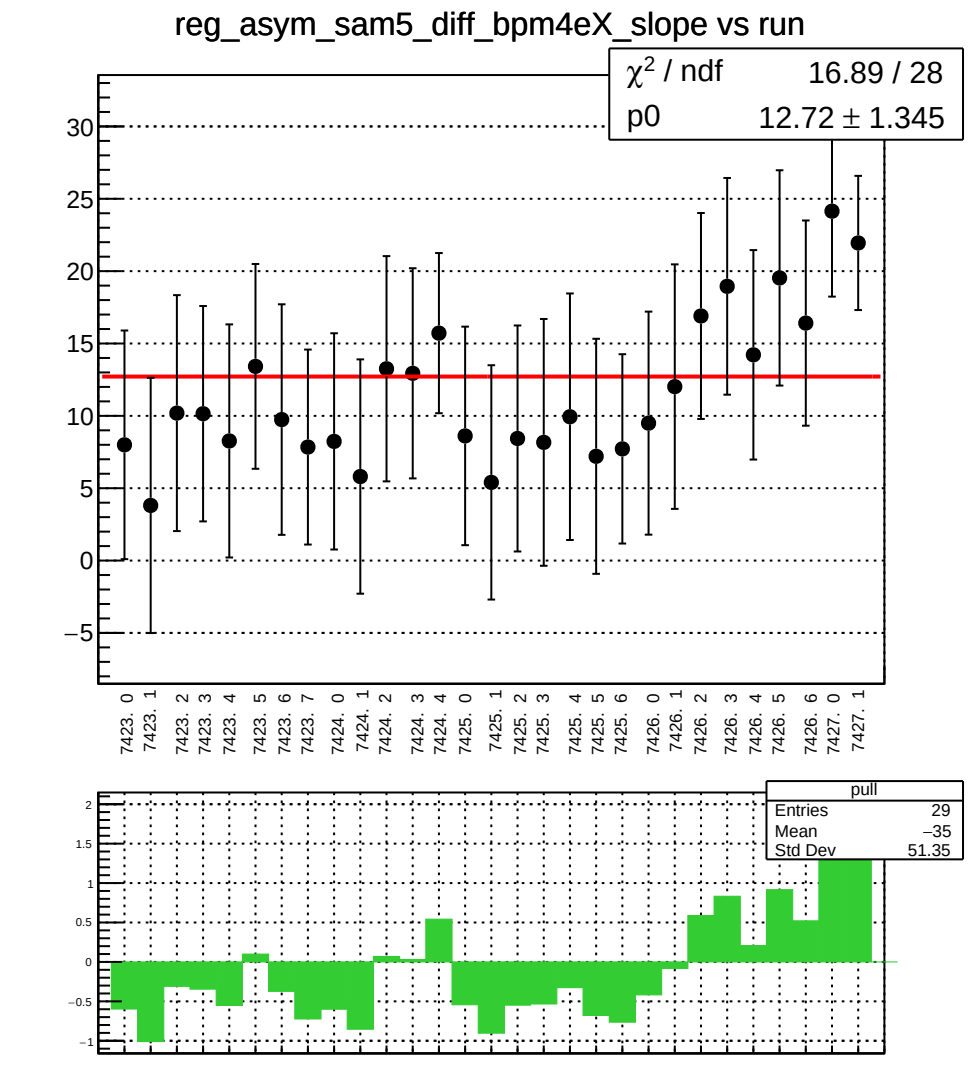

pull1D
Entries 29
Mean −0.01694
Std Dev 0.382
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

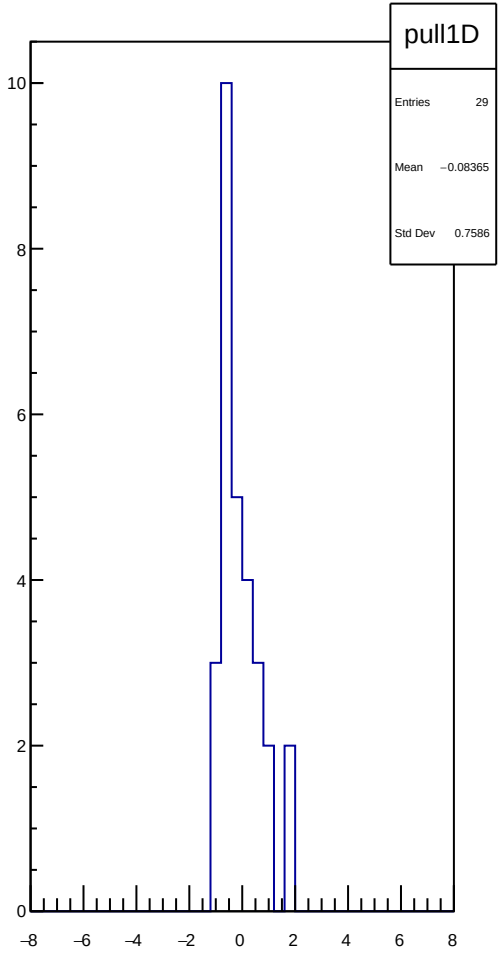

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 13.87 / 28
p0 −14.7 ± 1.289
0
−5
−10
−15
−20
−25
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −31.91
Std Dev 48.47
1
0.5
0
−0.5
−1
−1.5

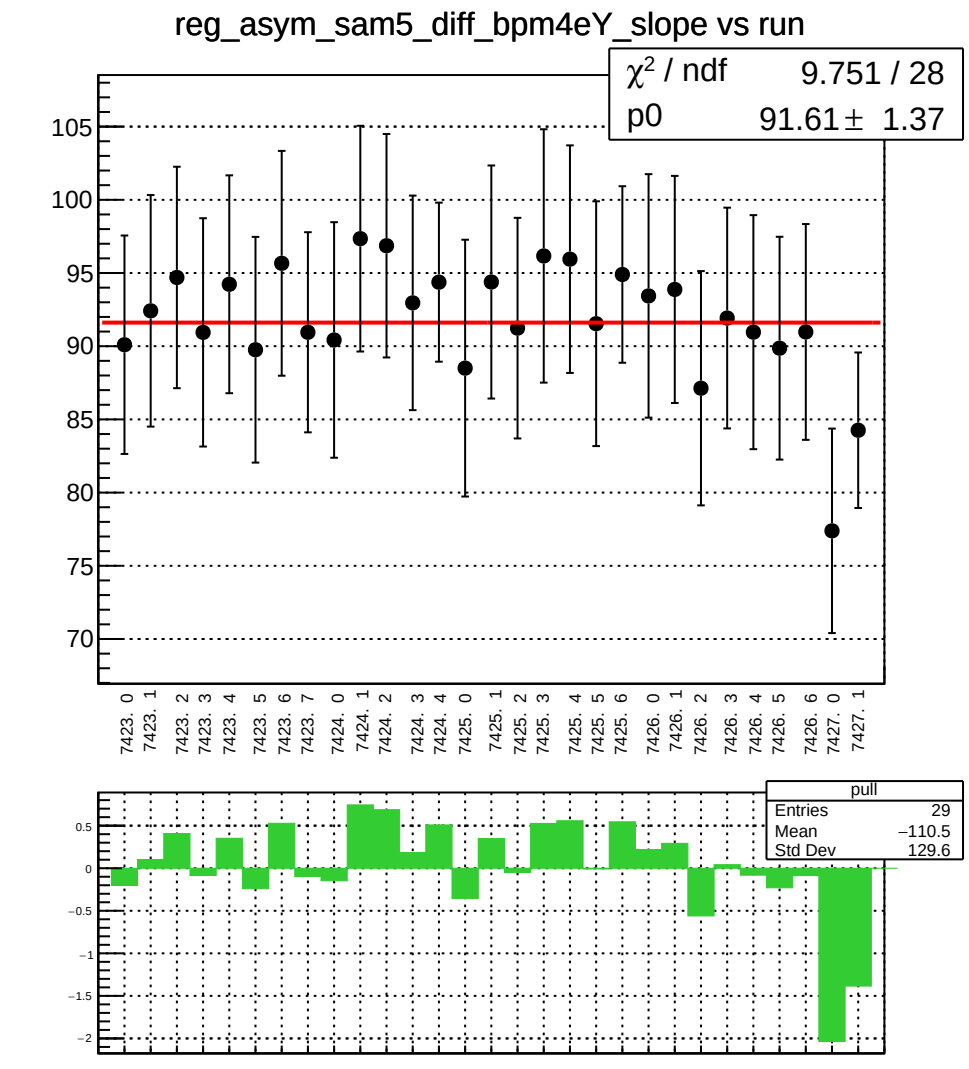

pull1D
Entries 29
Mean 0.07596
Std Dev 0.6873
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

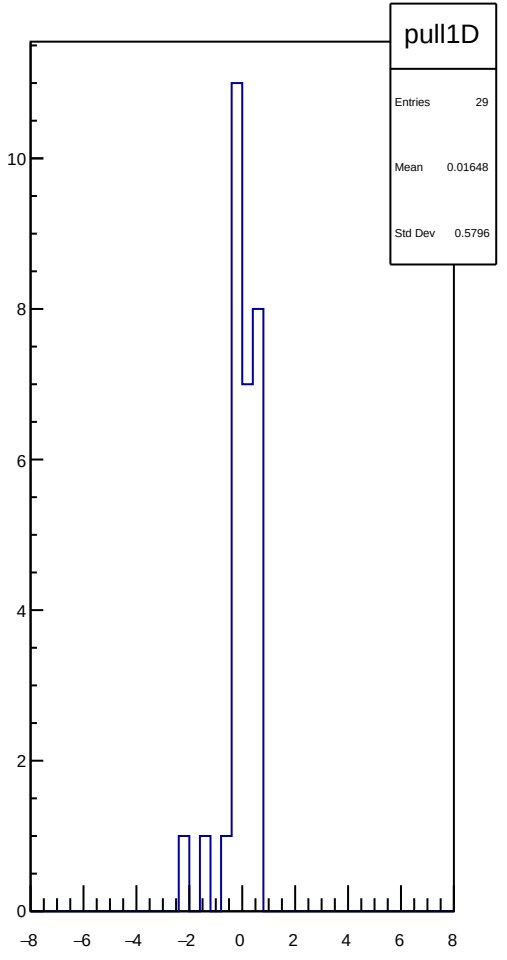

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 7.651 / 28
p0 69.24 ± 1.28
90
85
80
75
70
65
60
55
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 55.47
Std Dev 35.38
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

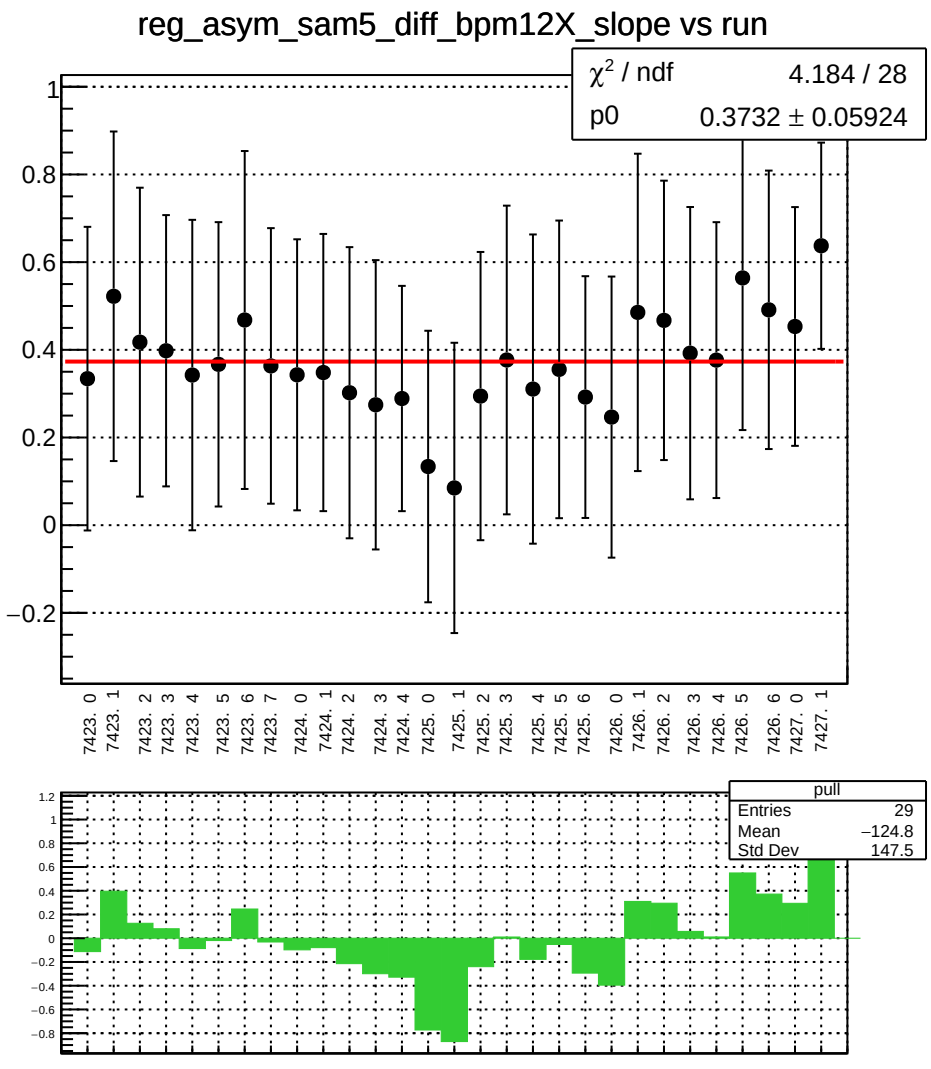

pull1D
Entries 29
Mean 0.02542
Std Dev 0.513
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

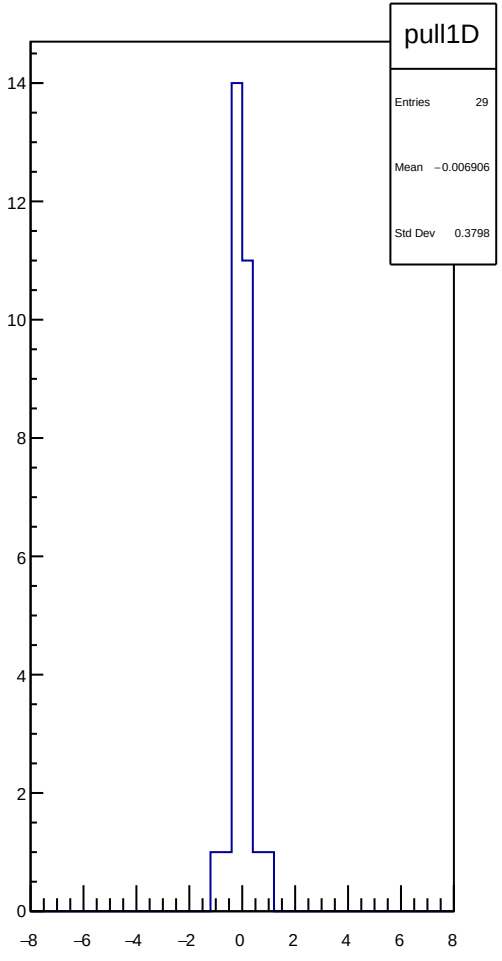

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 16.89 / 28
p0 12.72 ± 1.345
pull
Entries 29
Mean −35
Std Dev 51.35

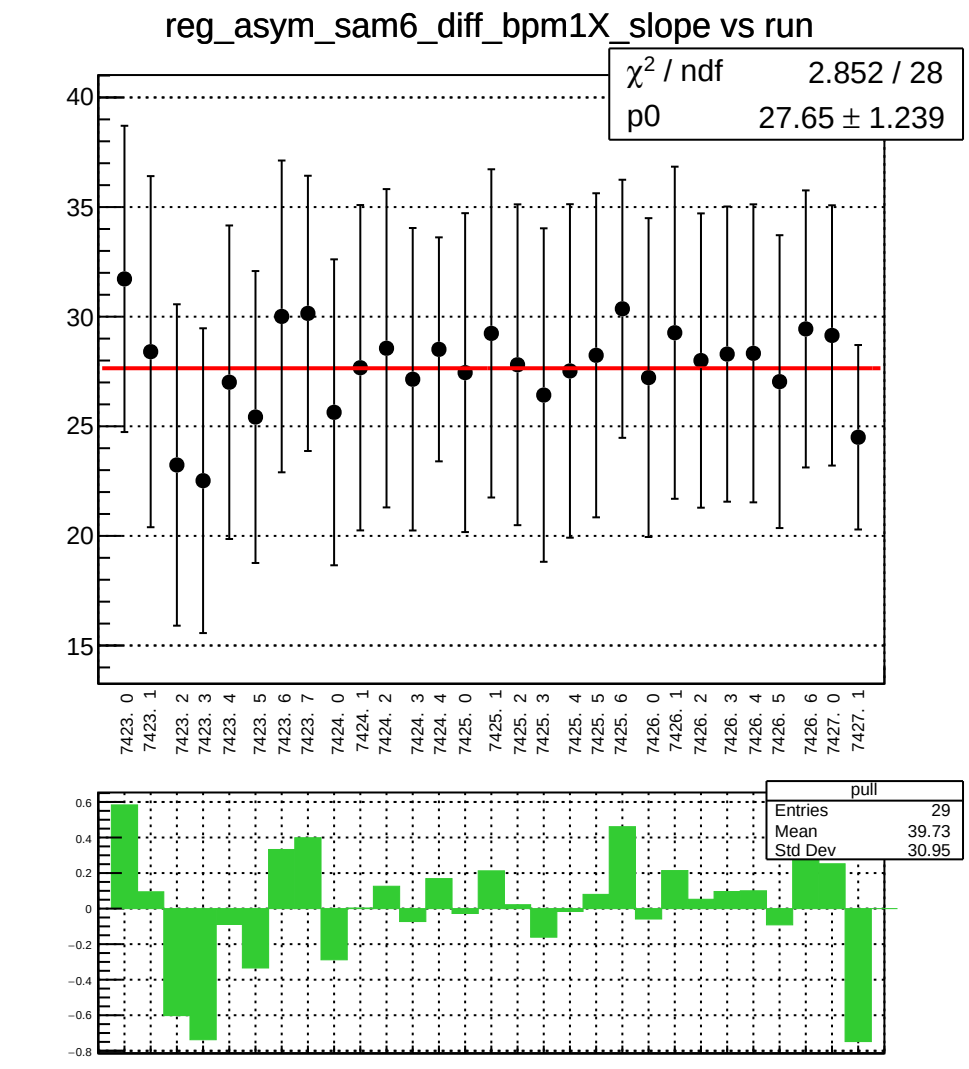

pull1D
Entries 29
Mean −0.08365
Std Dev 0.7586

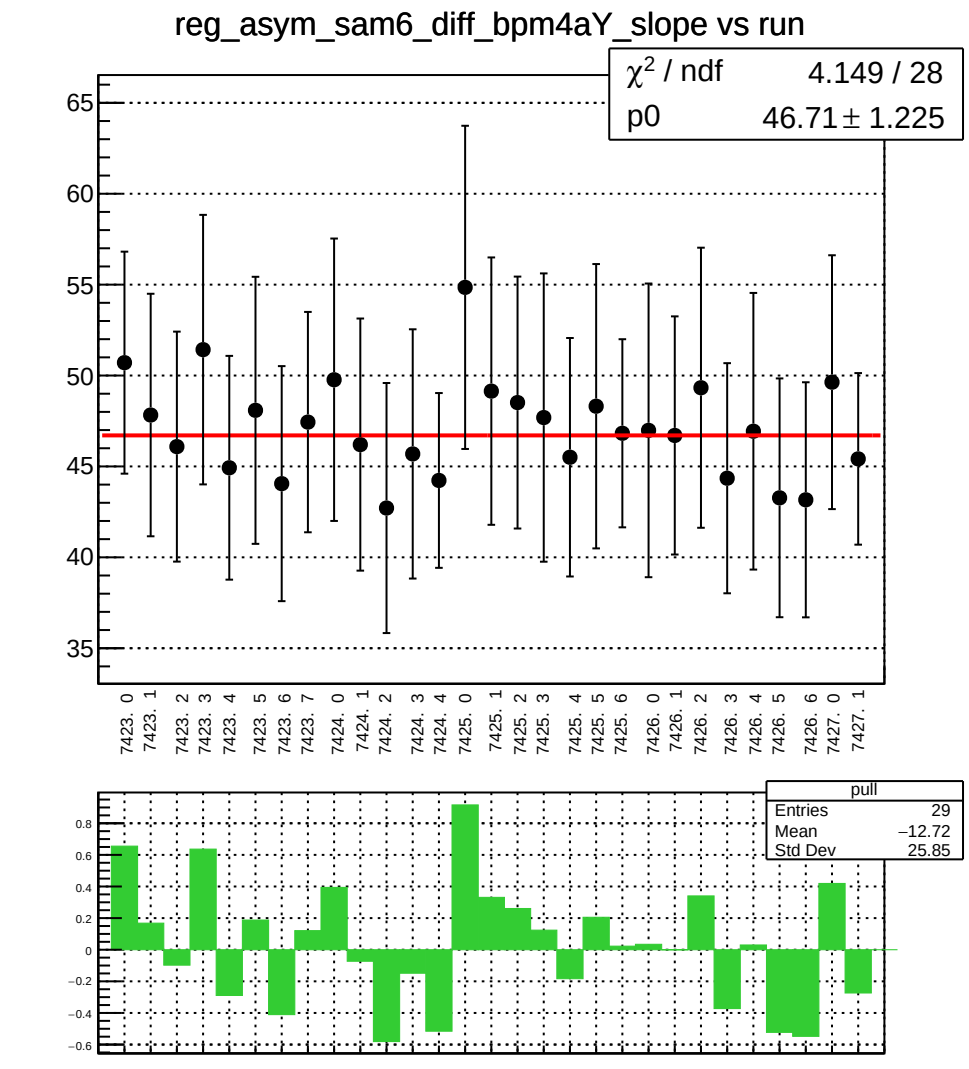

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 9.751 / 28
p0 91.61 ± 1.37
105
100
95
90
85
80
75
70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −110.5
Std Dev 129.6
0.5
0
−0.5
−1
−1.5
−2

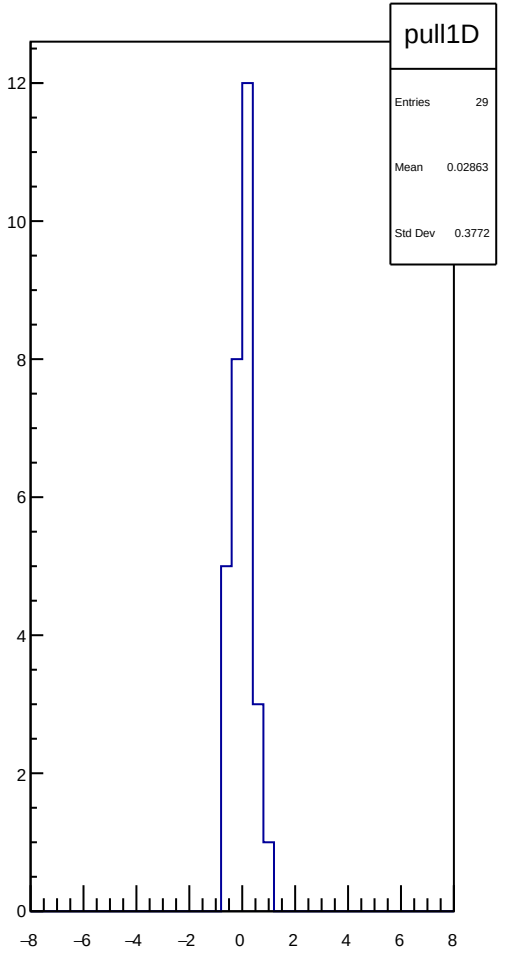

pull1D
Entries 29
Mean 0.01648
Std Dev 0.5796
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

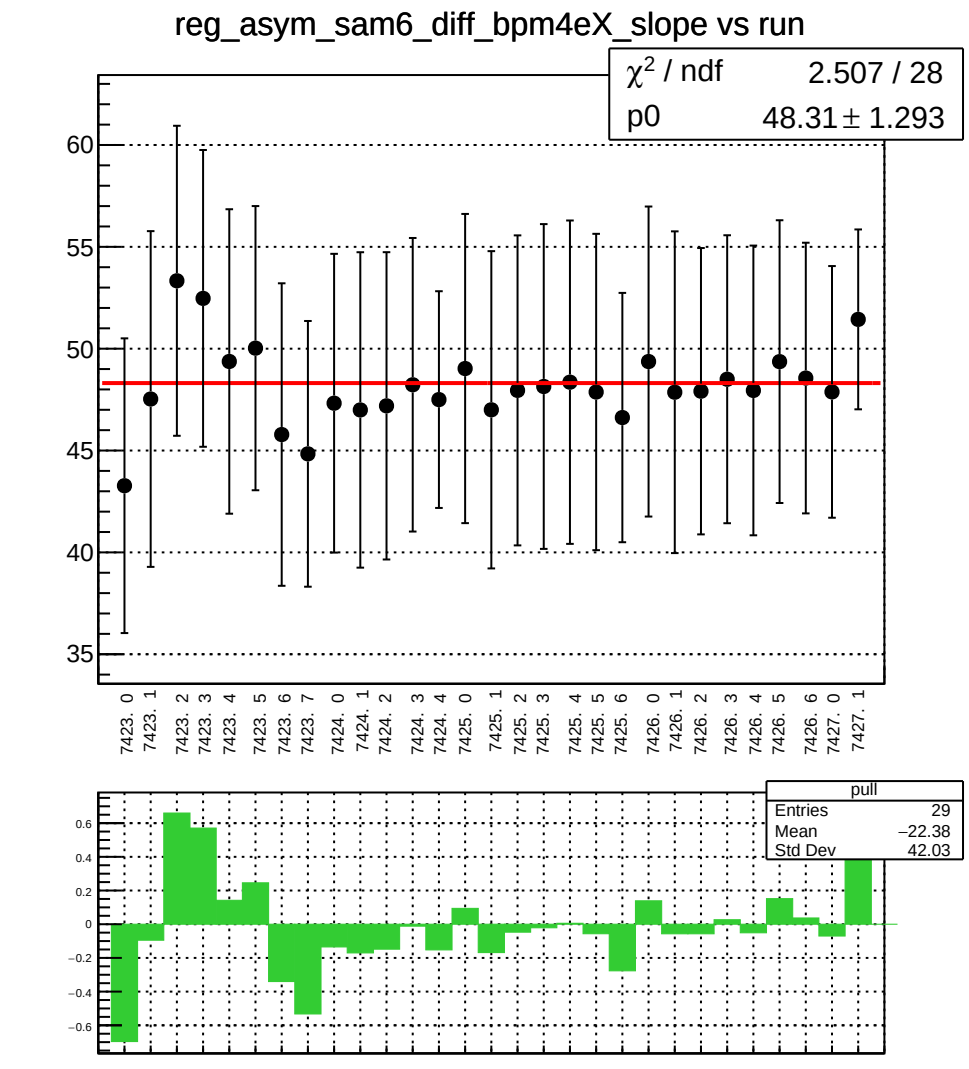

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 4.184 / 28
p0 0.3732 ± 0.05924
pull
Entries 29
Mean −124.8
Std Dev 147.5

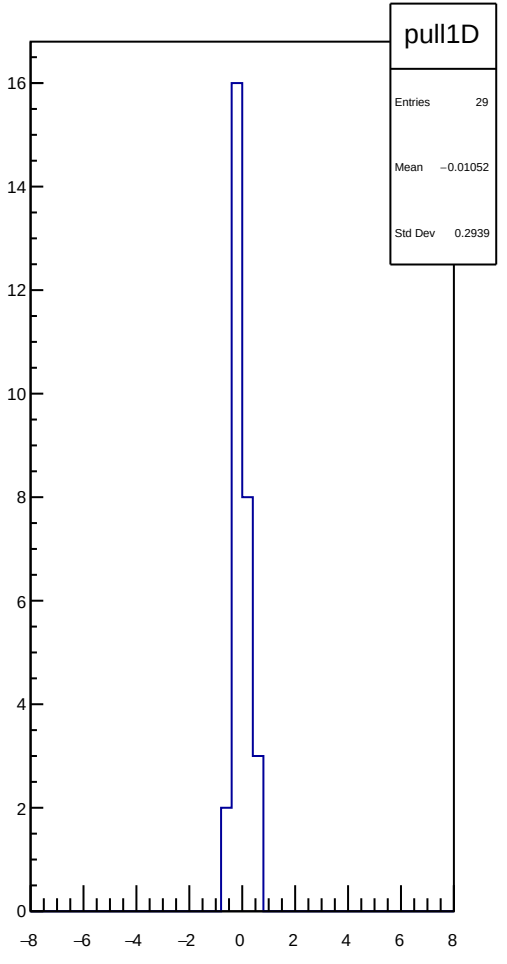

pull1D
Entries 29
Mean −0.006906
Std Dev 0.3798

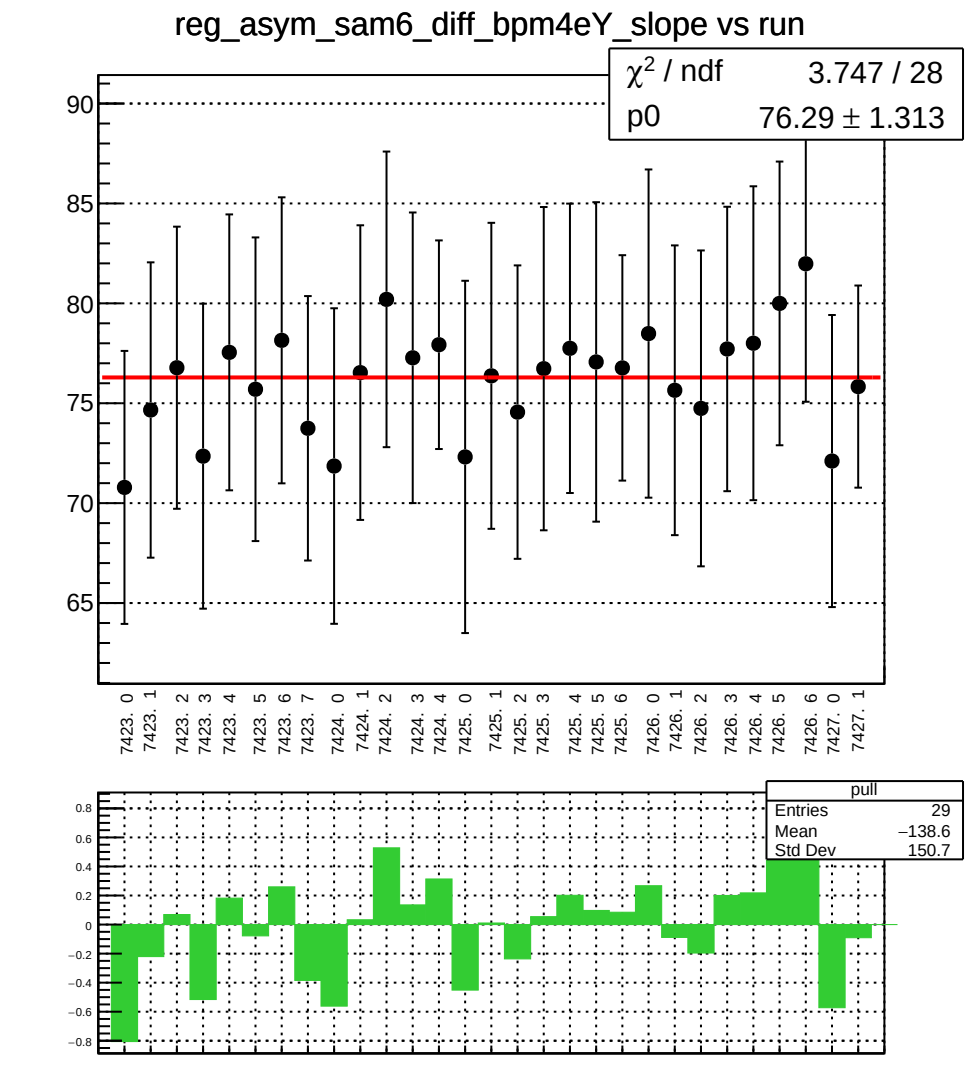

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.852 / 28
p0 27.65 ± 1.239
40
35
30
25
20
15
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 39.73
Std Dev 30.95
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 29
Mean 0.00877
Std Dev 0.3135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

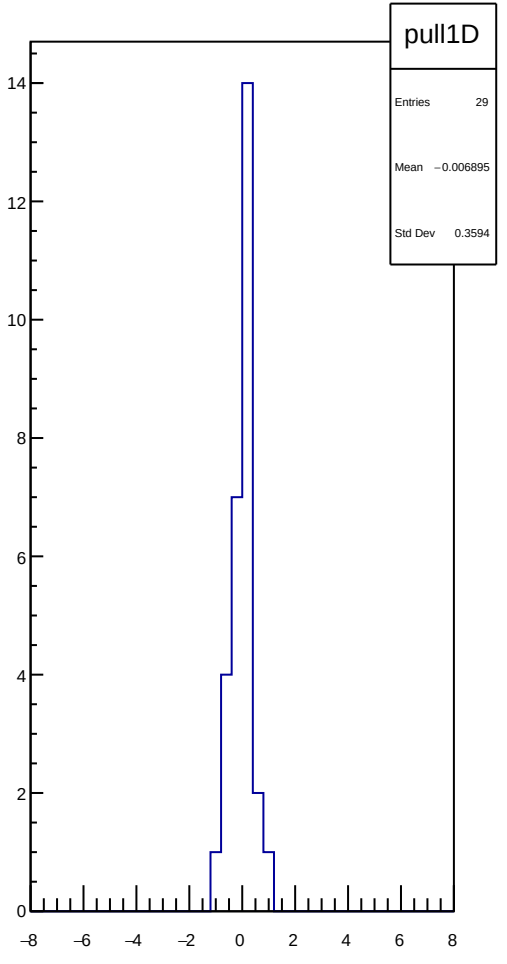

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 4.149 / 28
p0 46.71 ± 1.225
65
60
55
50
45
40
35
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −12.72
Std Dev 25.85
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

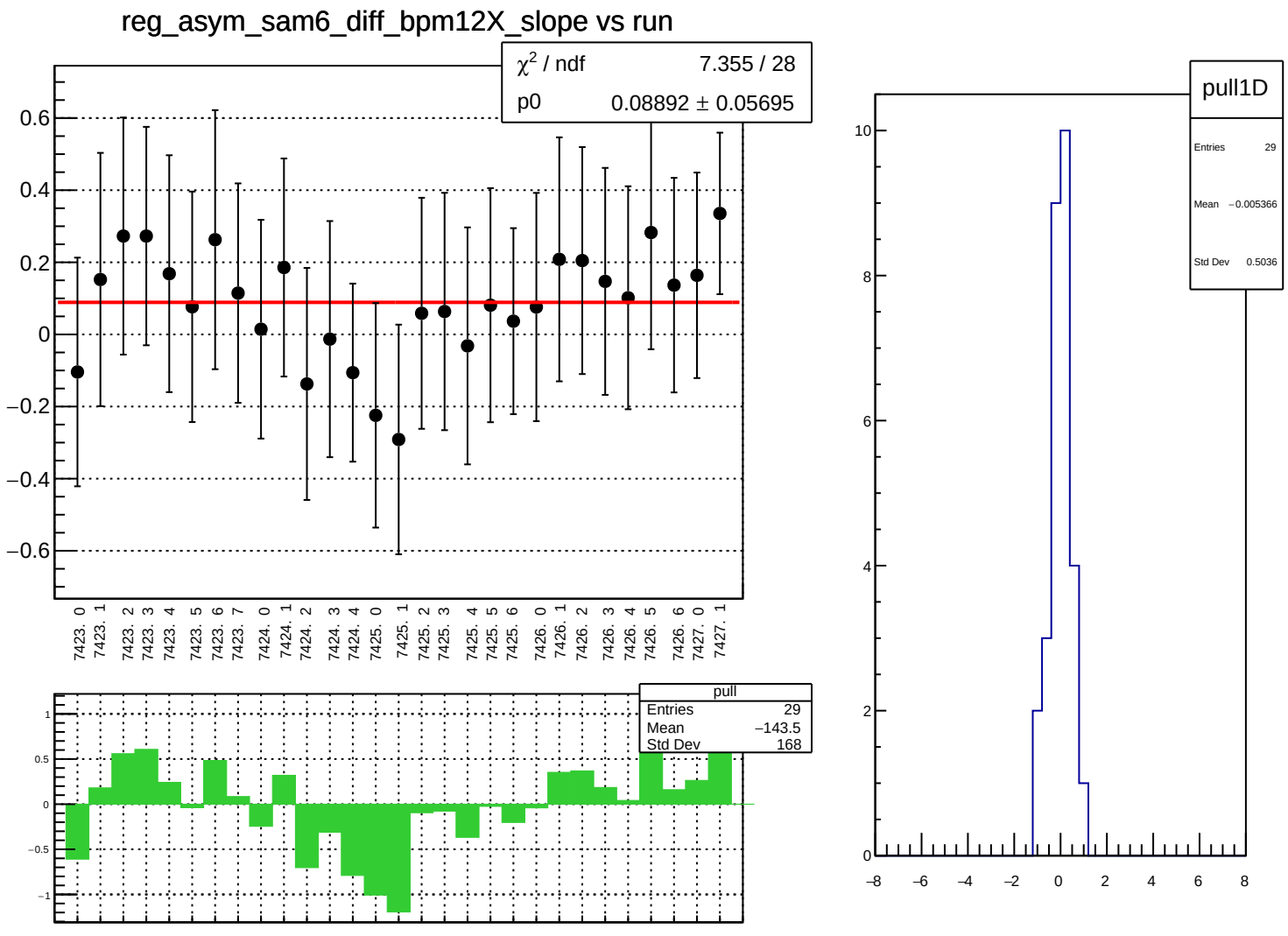

pull1D
Entries 29
Mean 0.02863
Std Dev 0.3772
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

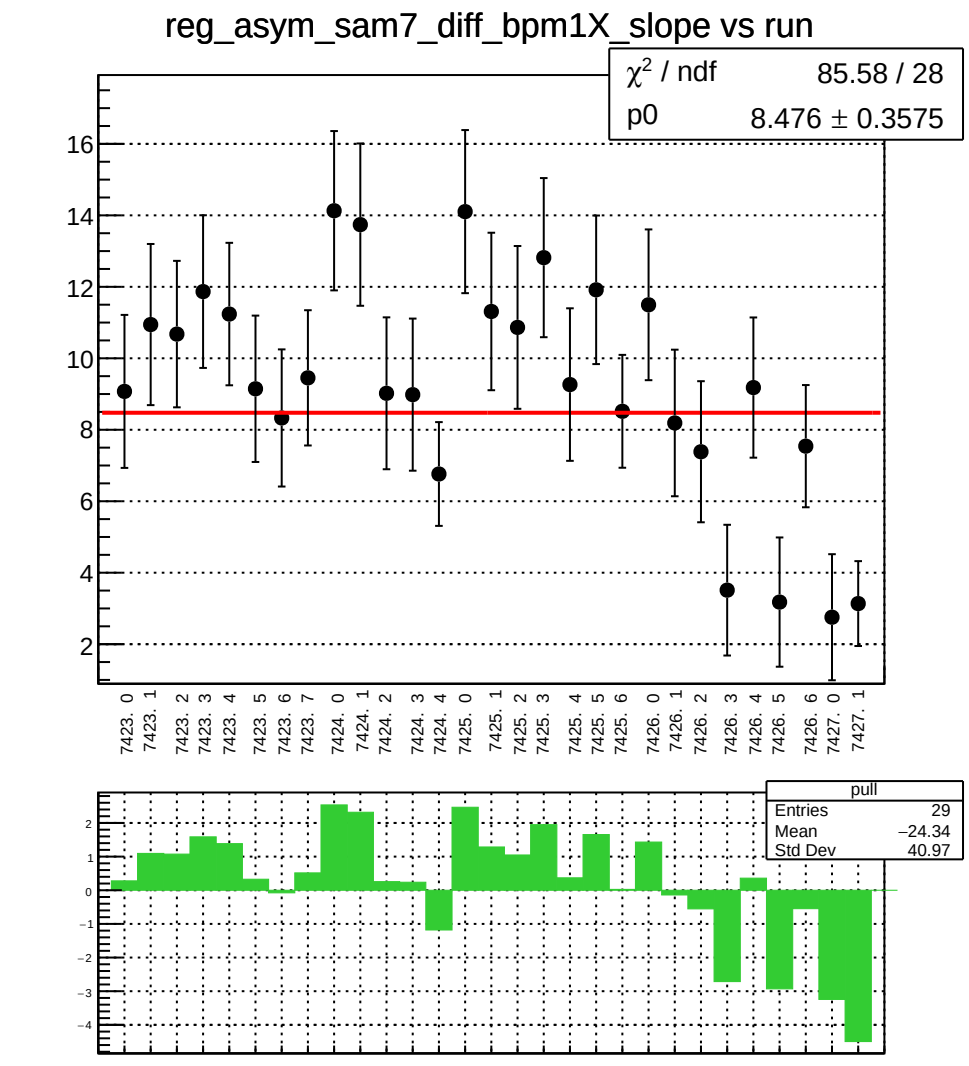

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.507 / 28
p0 48.31 ± 1.293
60
55
50
45
40
35
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −22.38
Std Dev 42.03
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

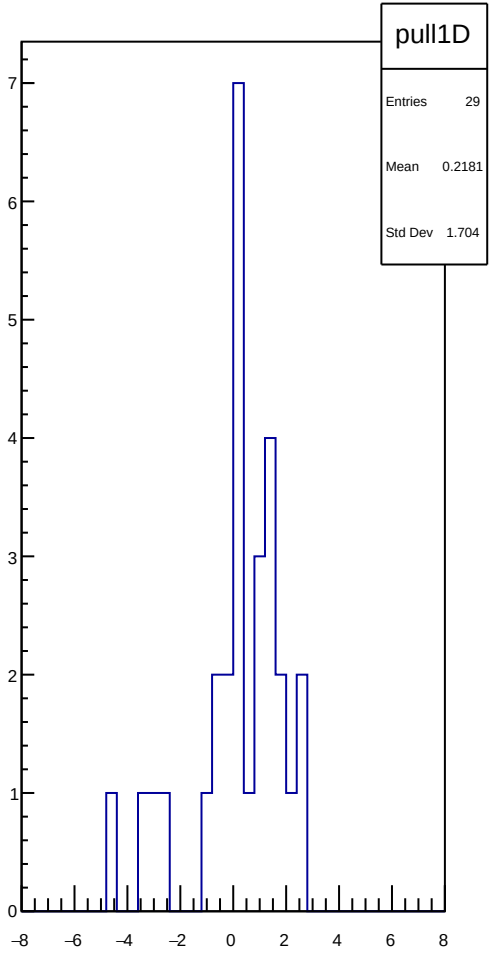

pull1D
Entries 29
Mean −0.01052
Std Dev 0.2939
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

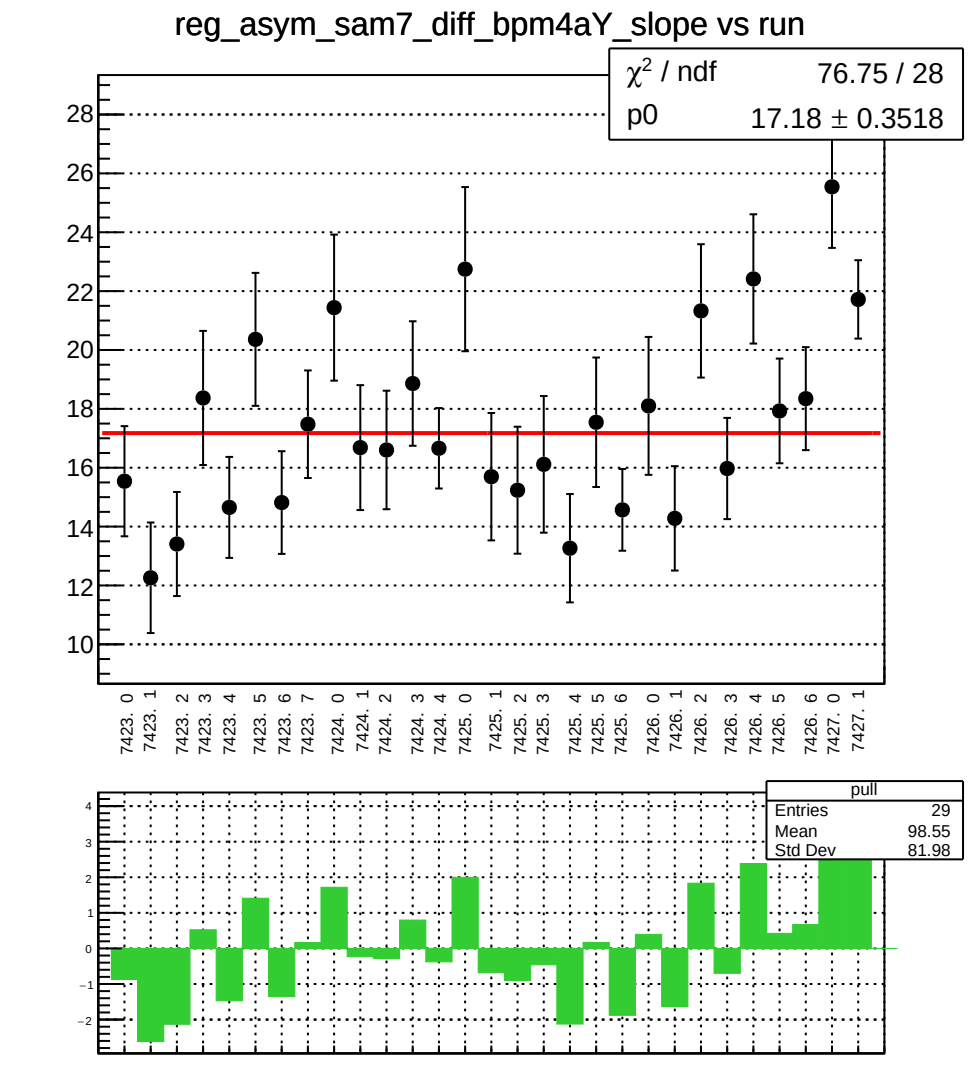

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 3.747 / 28
p0 76.29 ± 1.313
90
85
80
75
70
65
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −138.6
Std Dev 150.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

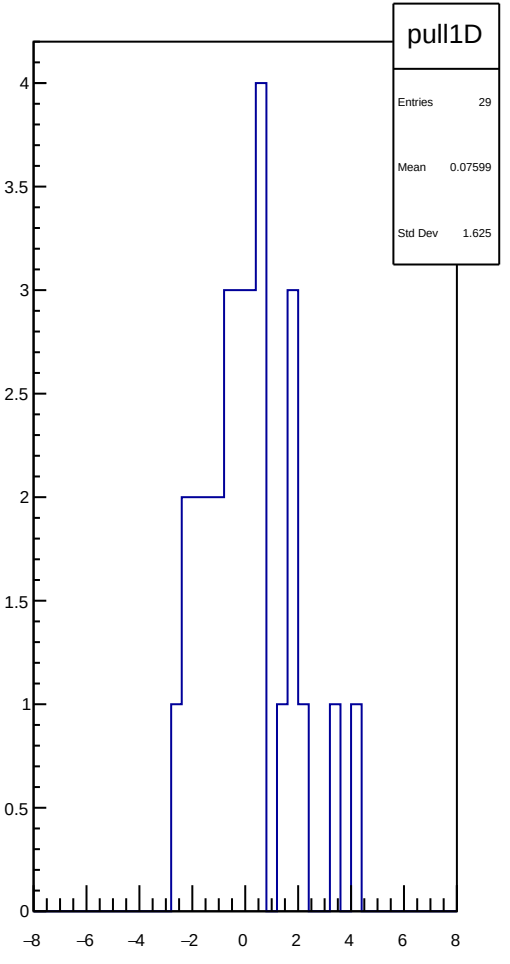

pull1D
Entries 29
Mean −0.006895
Std Dev 0.3594
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

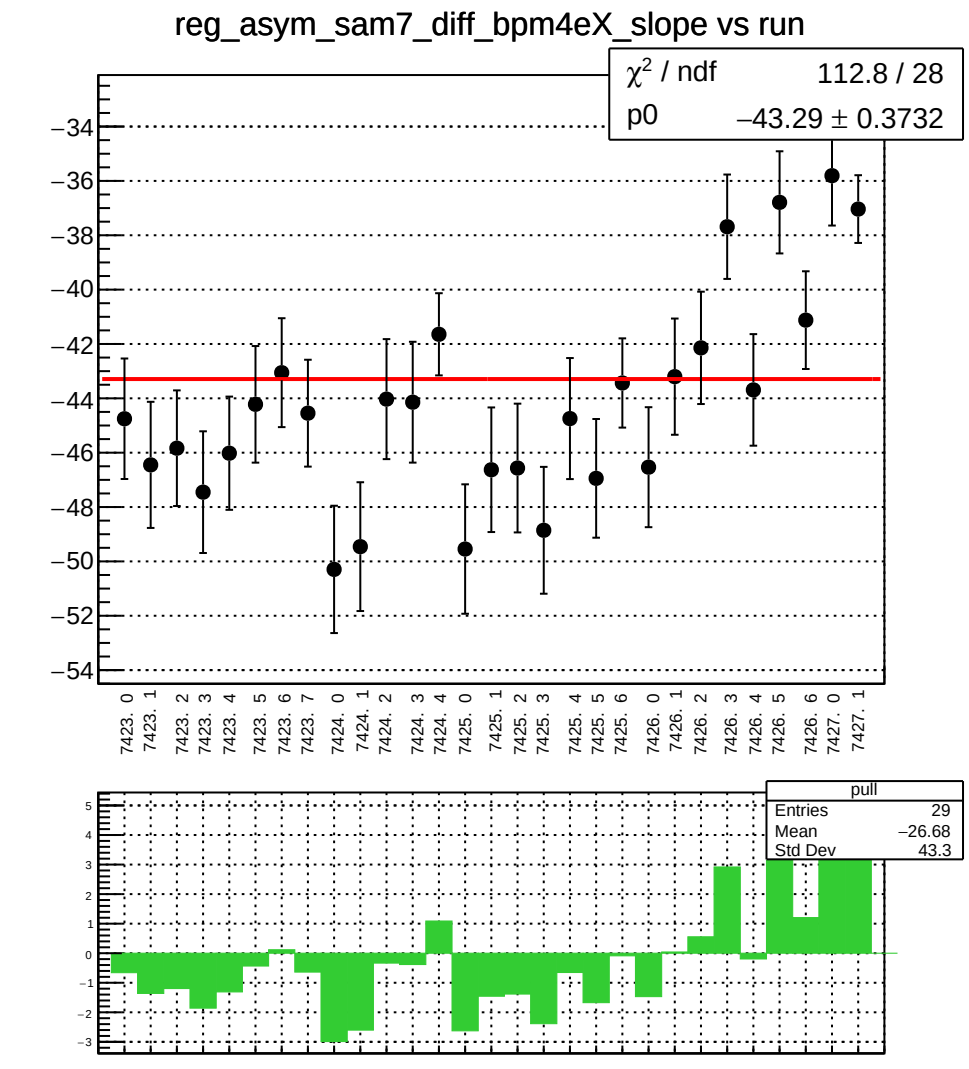

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 7.355 / 28
p0 0.08892 ± 0.05695
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −143.5
Std Dev 168
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.005366
Std Dev 0.5036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

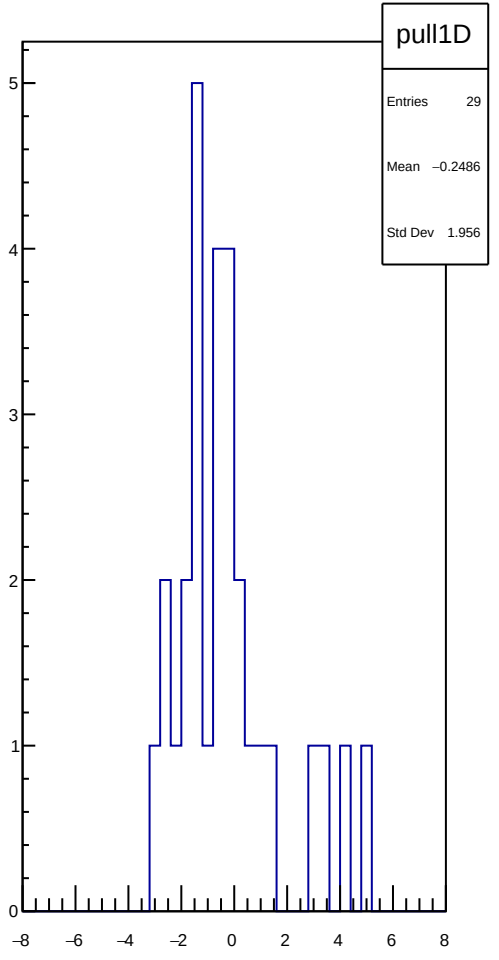

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 85.58 / 28
p0 8.476 ± 0.3575
16
14
12
10
8
6
4
2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −24.34
Std Dev 40.97
2
1
0
−1
−2
−3
−4

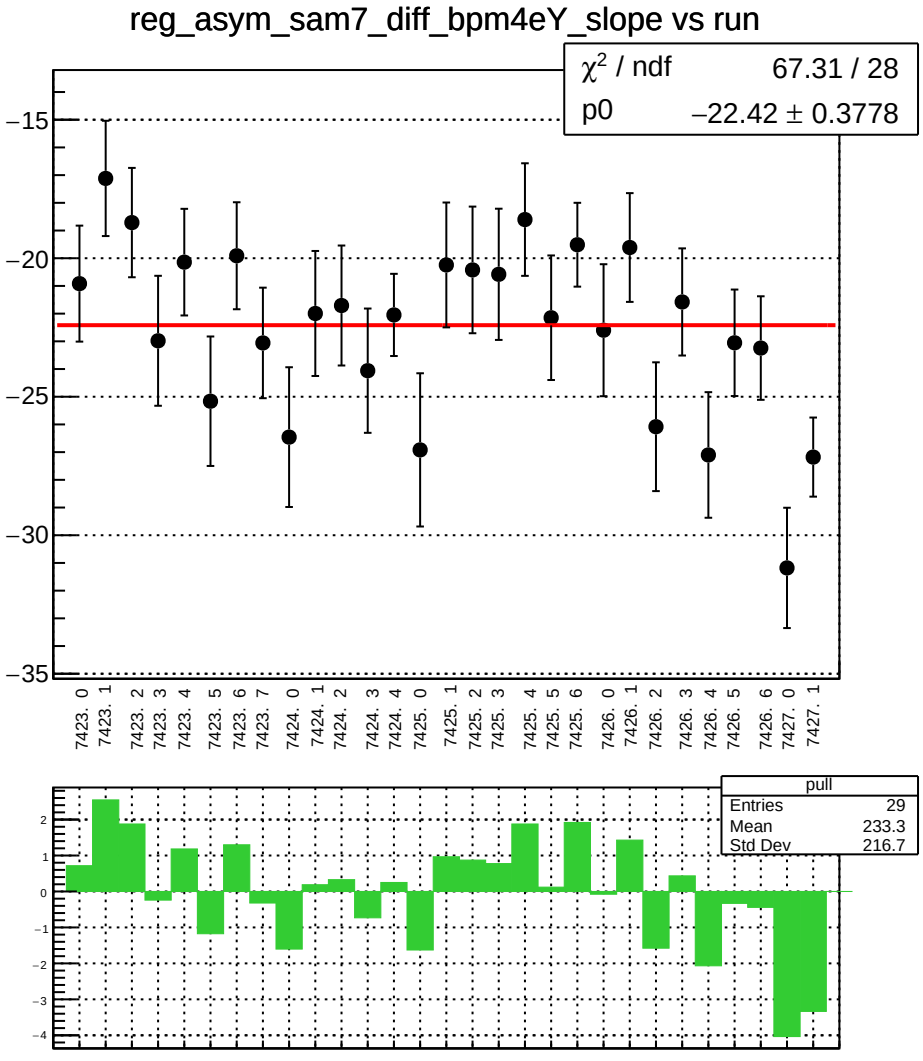

pull1D
Entries 29
Mean 0.2181
Std Dev 1.704
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

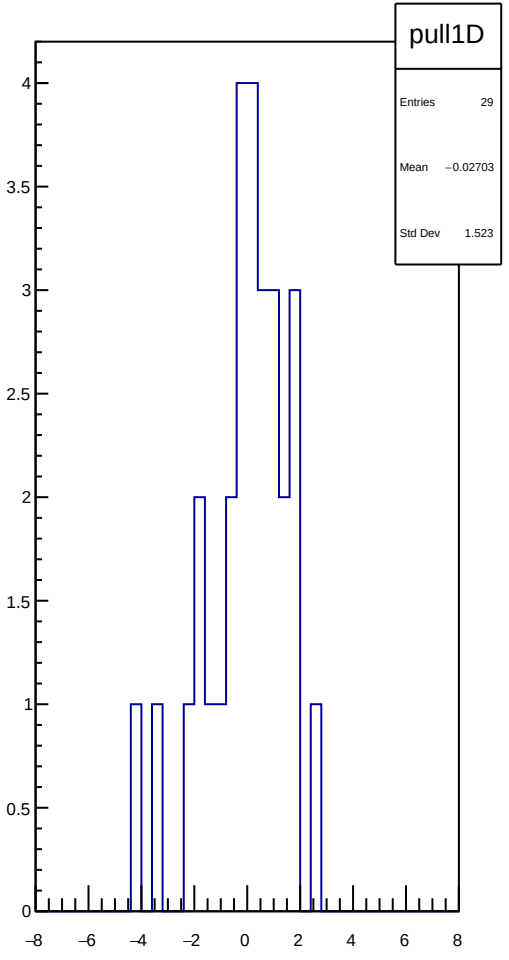

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 76.75 / 28
p0 17.18 ± 0.3518
28
26
24
22
20
18
16
14
12
10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 98.55
Std Dev 81.98
4
3
2
1
0
−1
−2

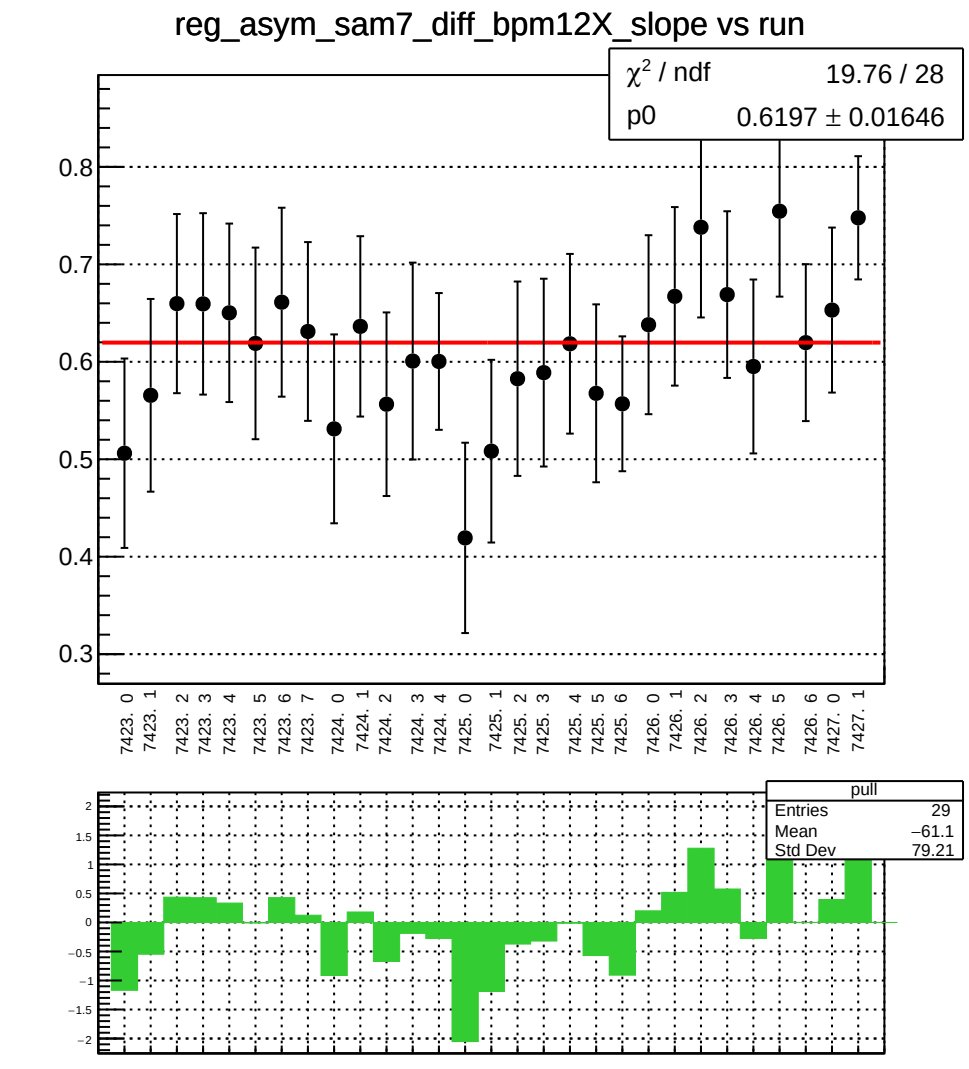

pull1D
Entries 29
Mean 0.07599
Std Dev 1.625
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

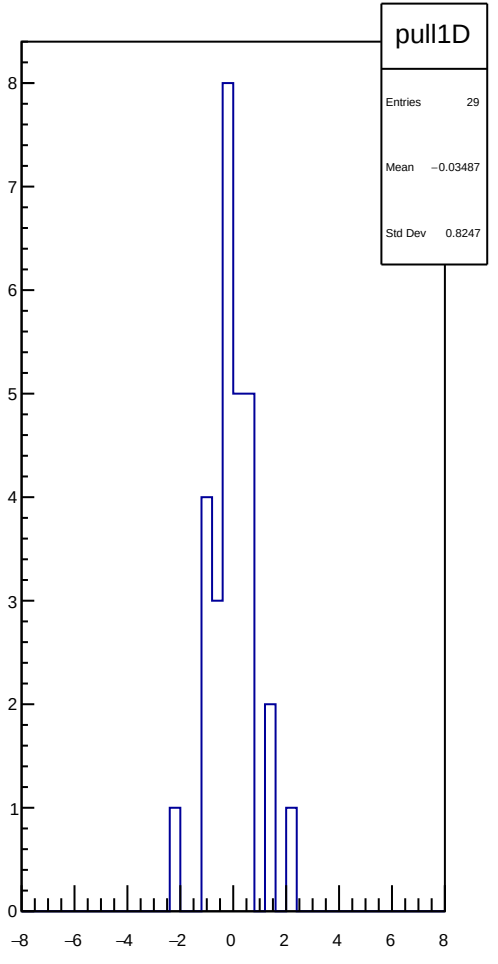

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 112.8 / 28
p0 −43.29 ± 0.3732
−34
−36
−38
−40
−42
−44
−46
−48
−50
−52
−54
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −26.68
Std Dev 43.3
5
4
3
2
1
0
−1
−2
−3

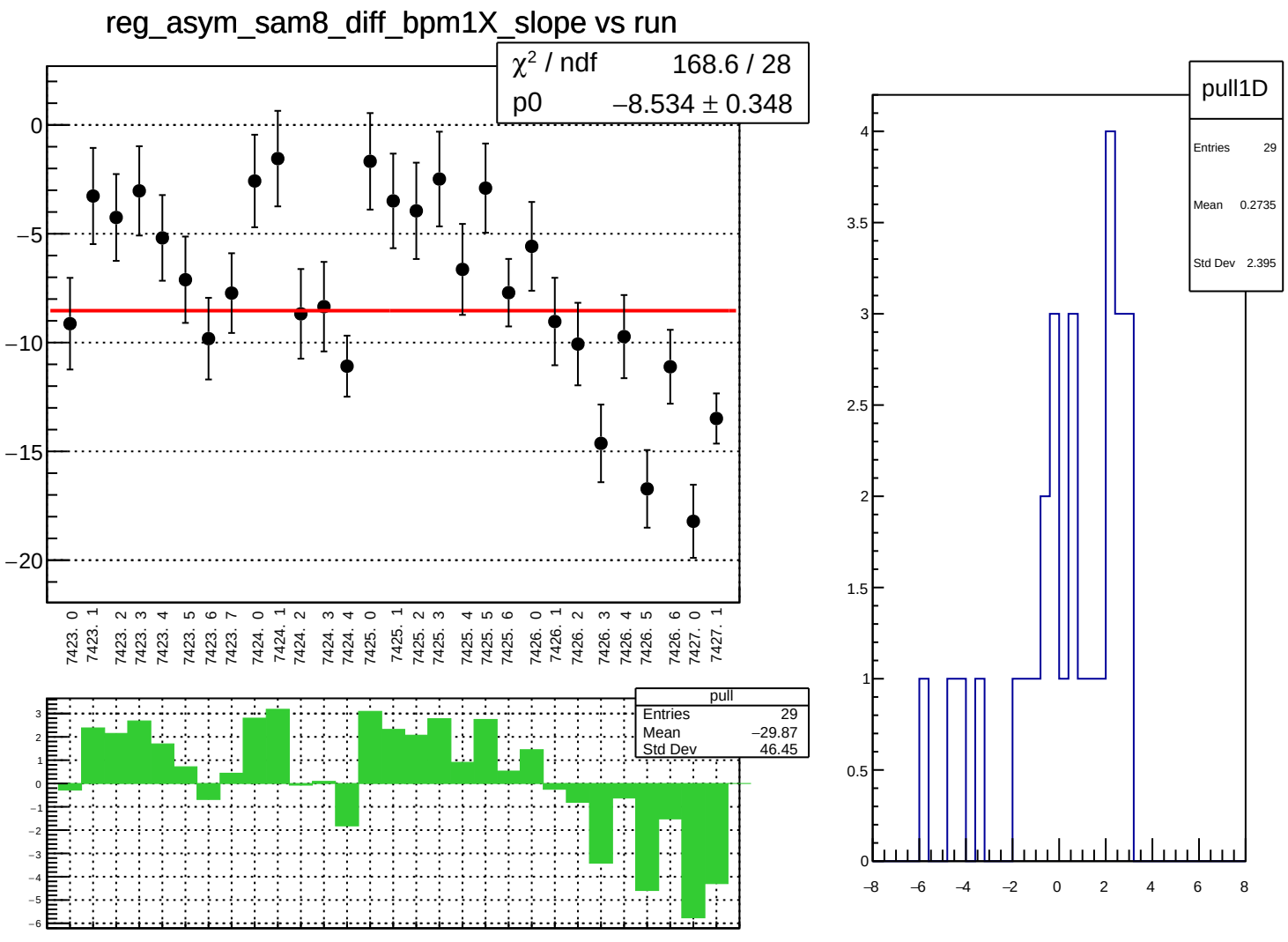

pull1D
Entries 29
Mean −0.2486
Std Dev 1.956
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

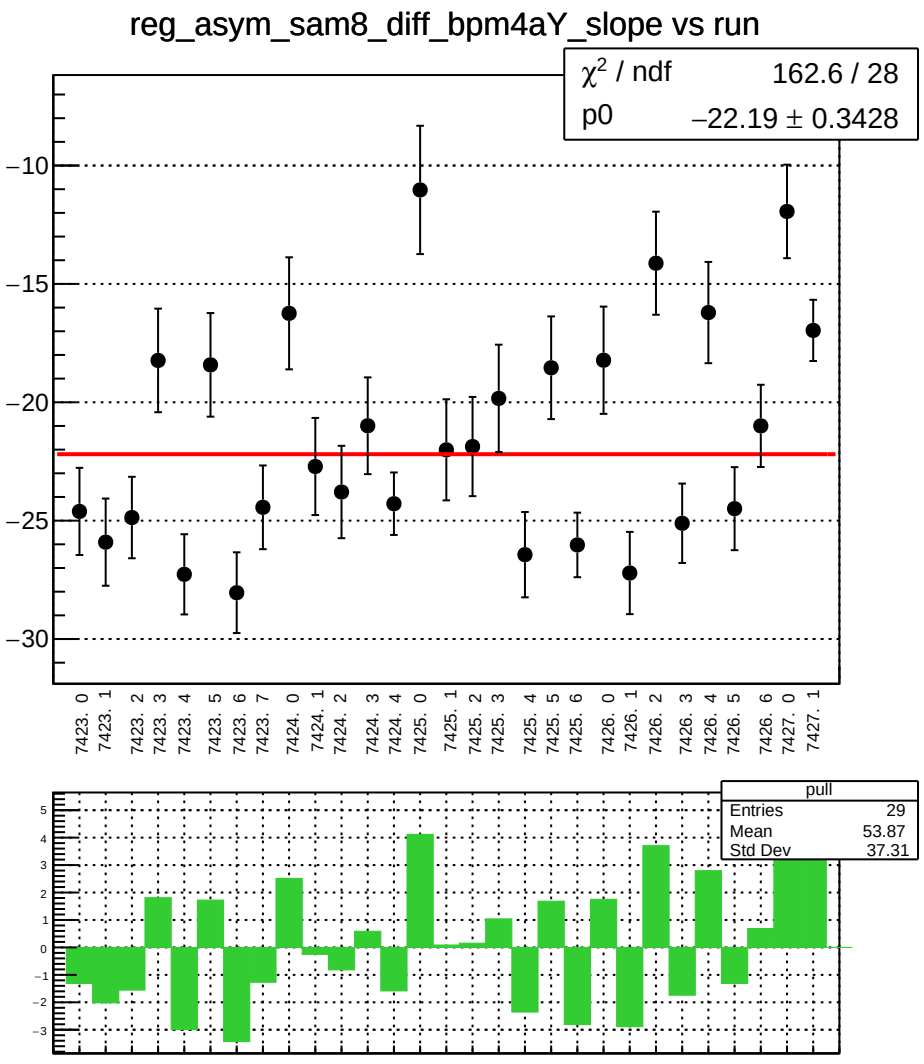

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 67.31 / 28
p0 −22.42 ± 0.3778
−15
−20
−25
−30
−35
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 233.3
Std Dev 216.7
2
1
0
−1
−2
−3
−4

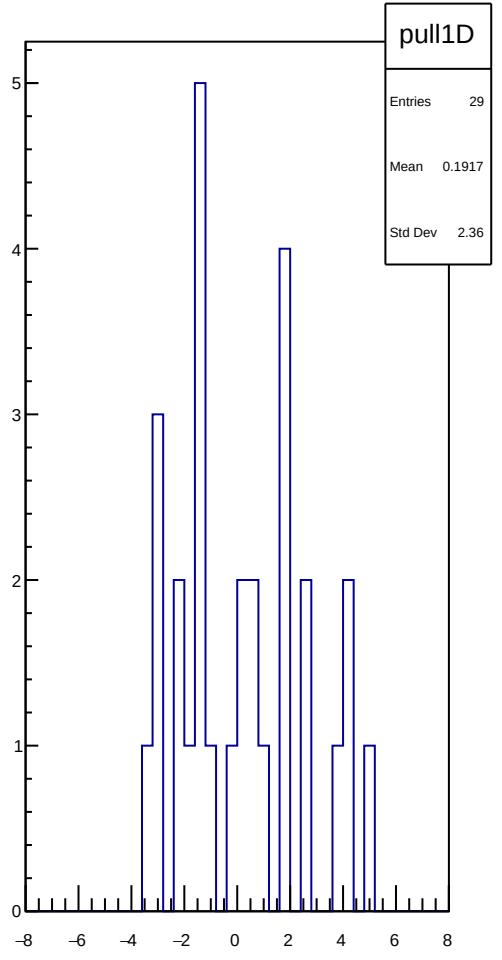

pull1D
Entries 29
Mean −0.02703
Std Dev 1.523
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

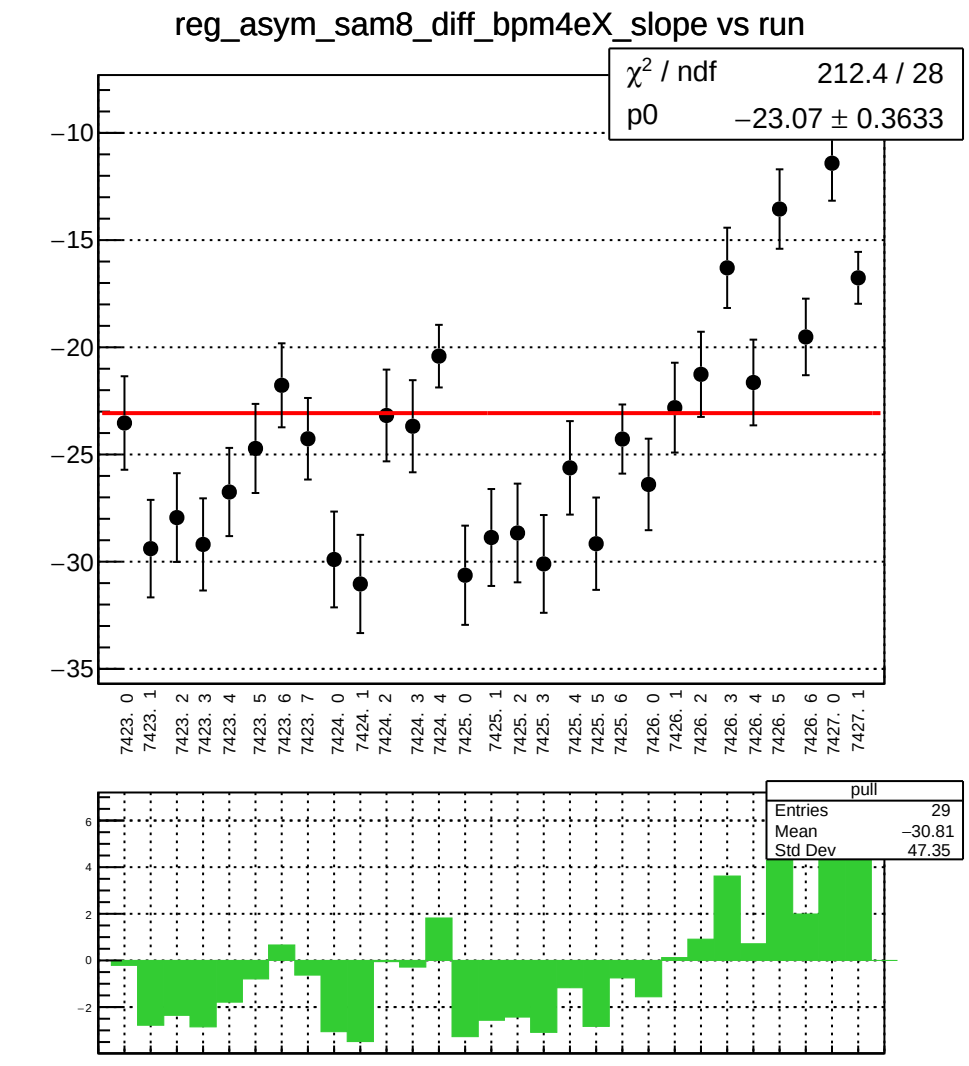

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 19.76 / 28
p0 0.6197 ± 0.01646
0.8
0.7
0.6
0.5
0.4
0.3
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −61.1
Std Dev 79.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

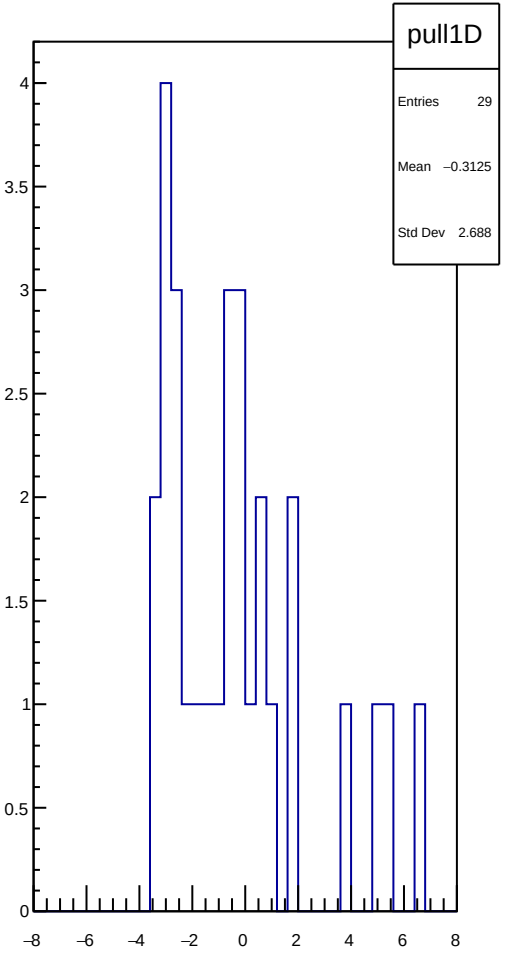

pull1D
Entries 29
Mean −0.03487
Std Dev 0.8247
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

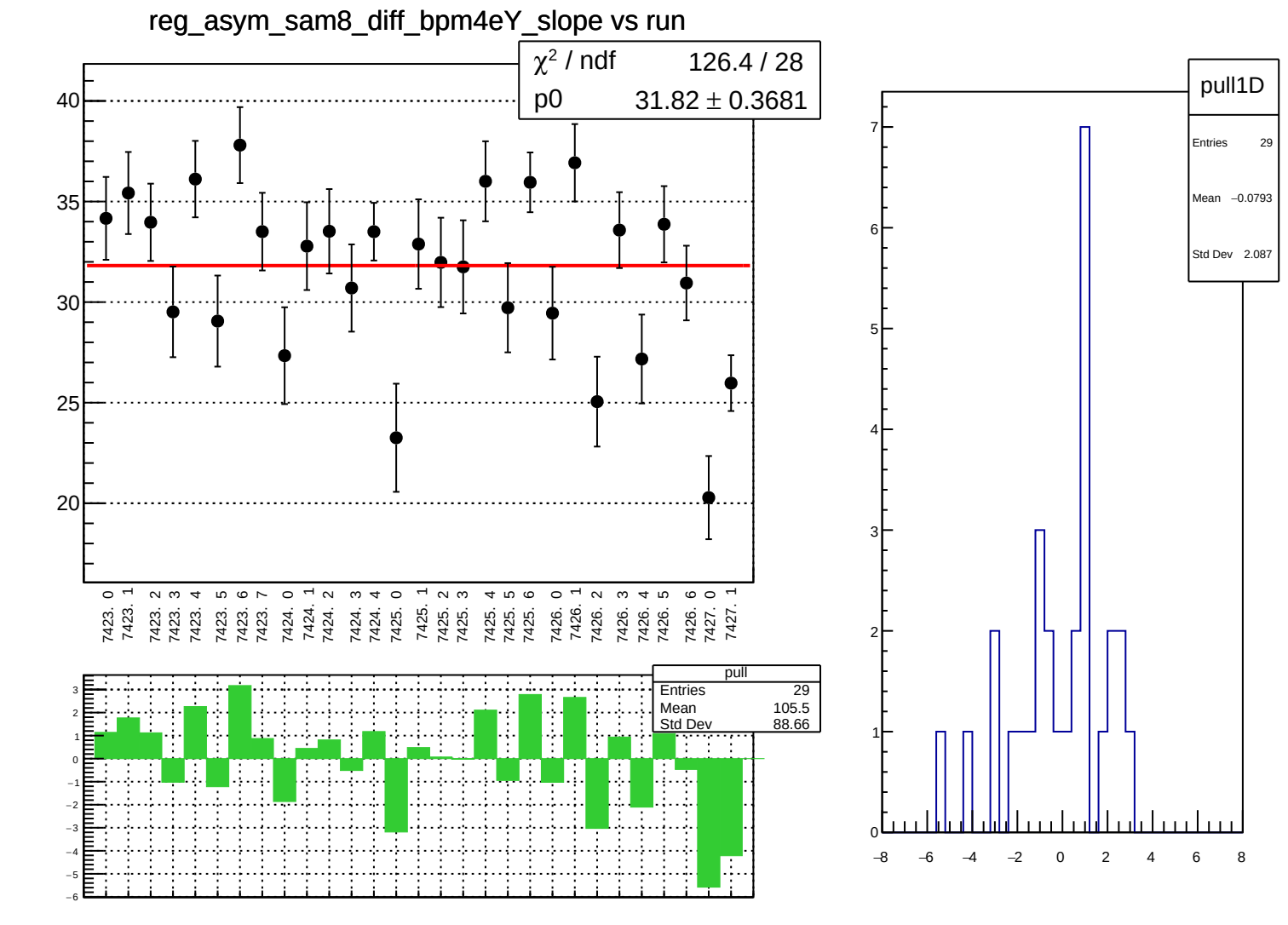

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 168.6 / 28
p0 −8.534 ± 0.348
0
−5
−10
−15
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −29.87
Std Dev 46.45
pull1D
Entries 29
Mean 0.2735
Std Dev 2.395

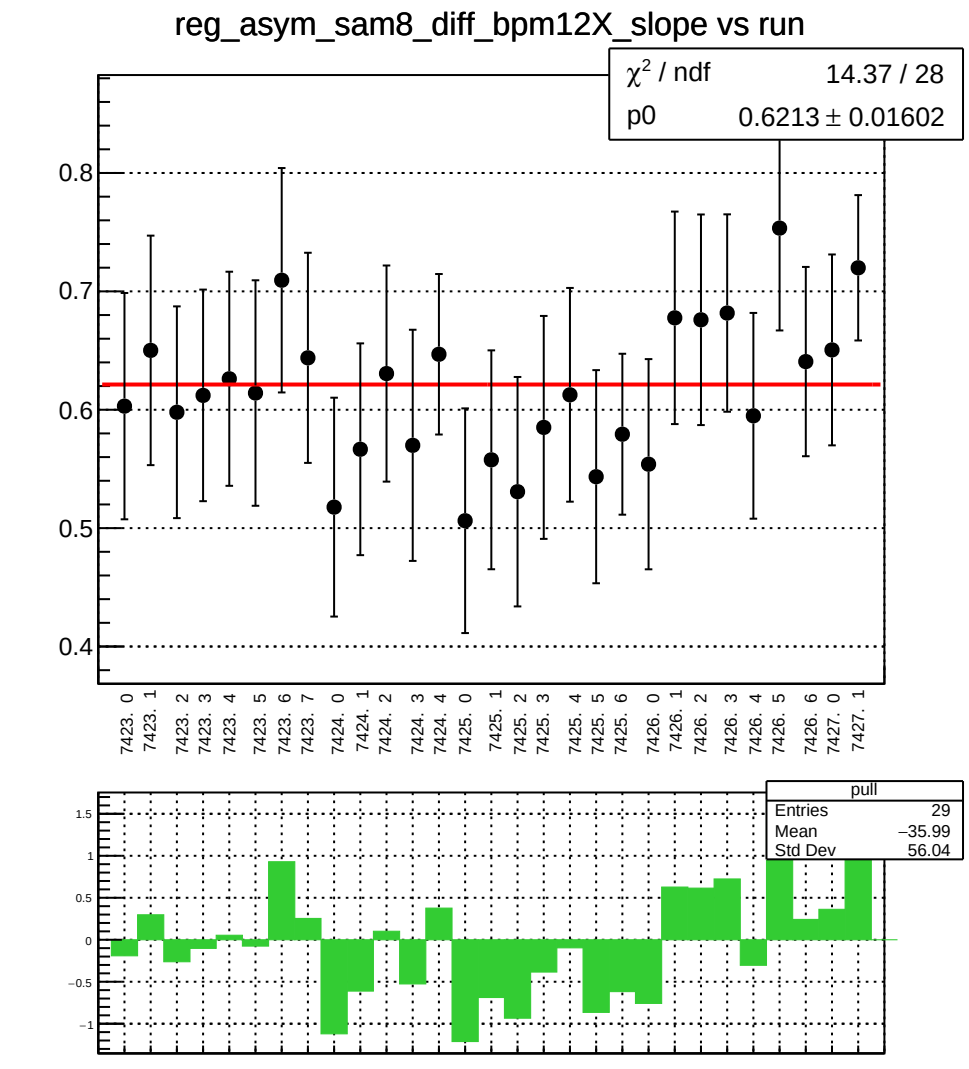

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 162.6 / 28
p0 −22.19 ± 0.3428
−10
−15
−20
−25
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 53.87
Std Dev 37.31

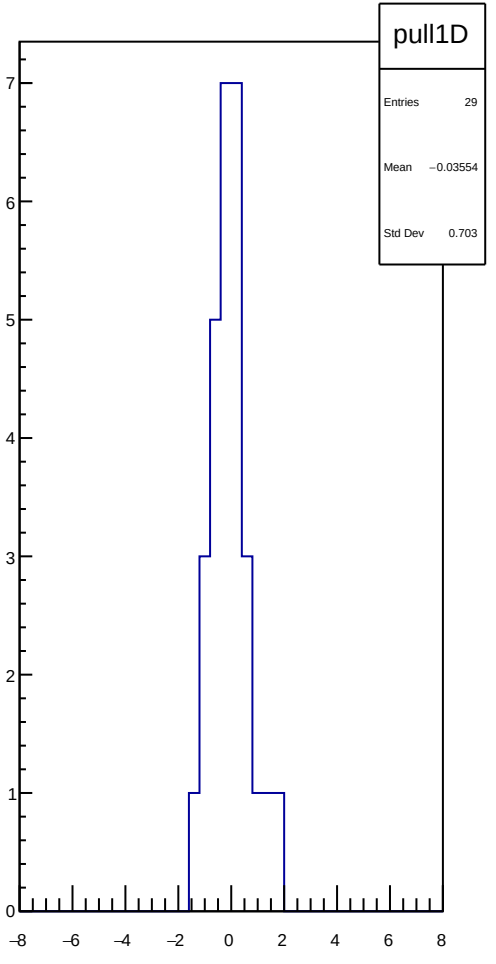

pull1D
Entries 29
Mean 0.1917
Std Dev 2.36

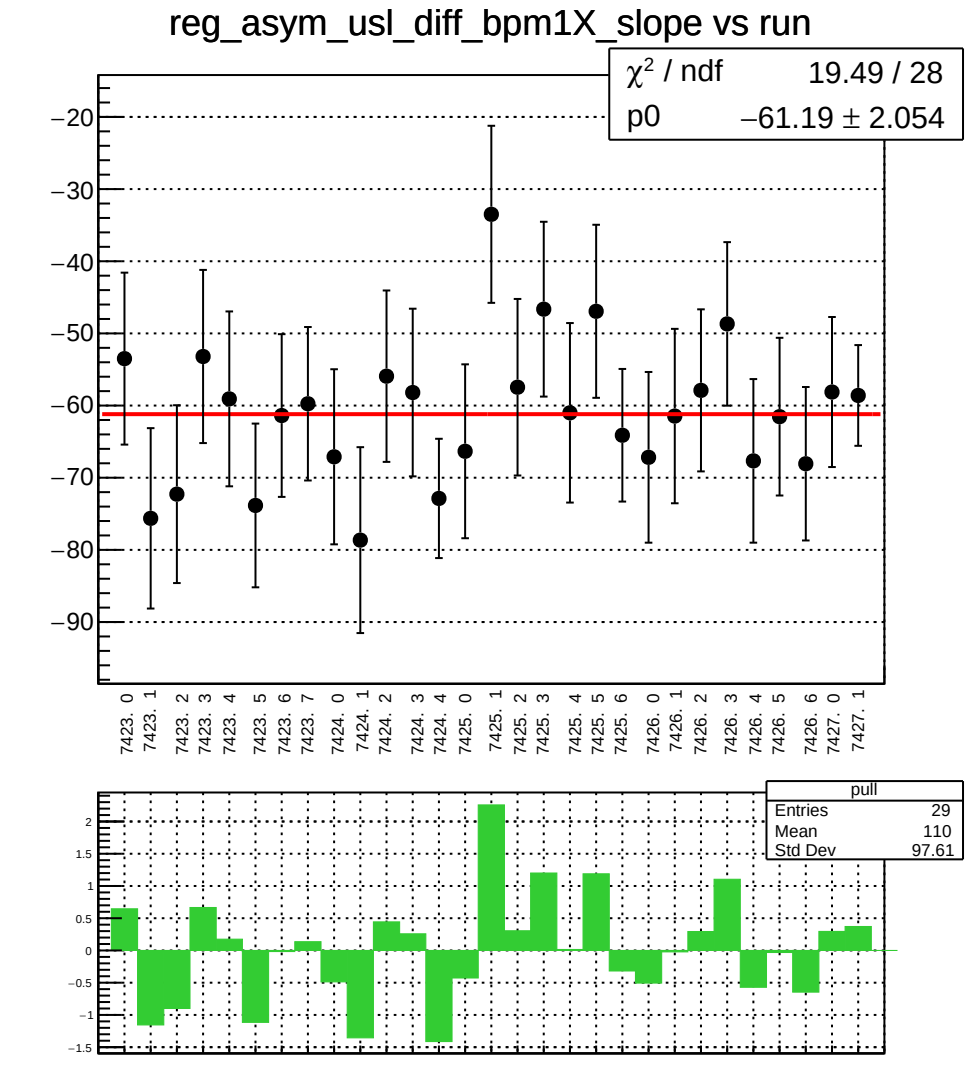

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 212.4 / 28
p0 −23.07 ± 0.3633
−10
−15
−20
−25
−30
−35
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.81
Std Dev 47.35
6
4
2
0
−2

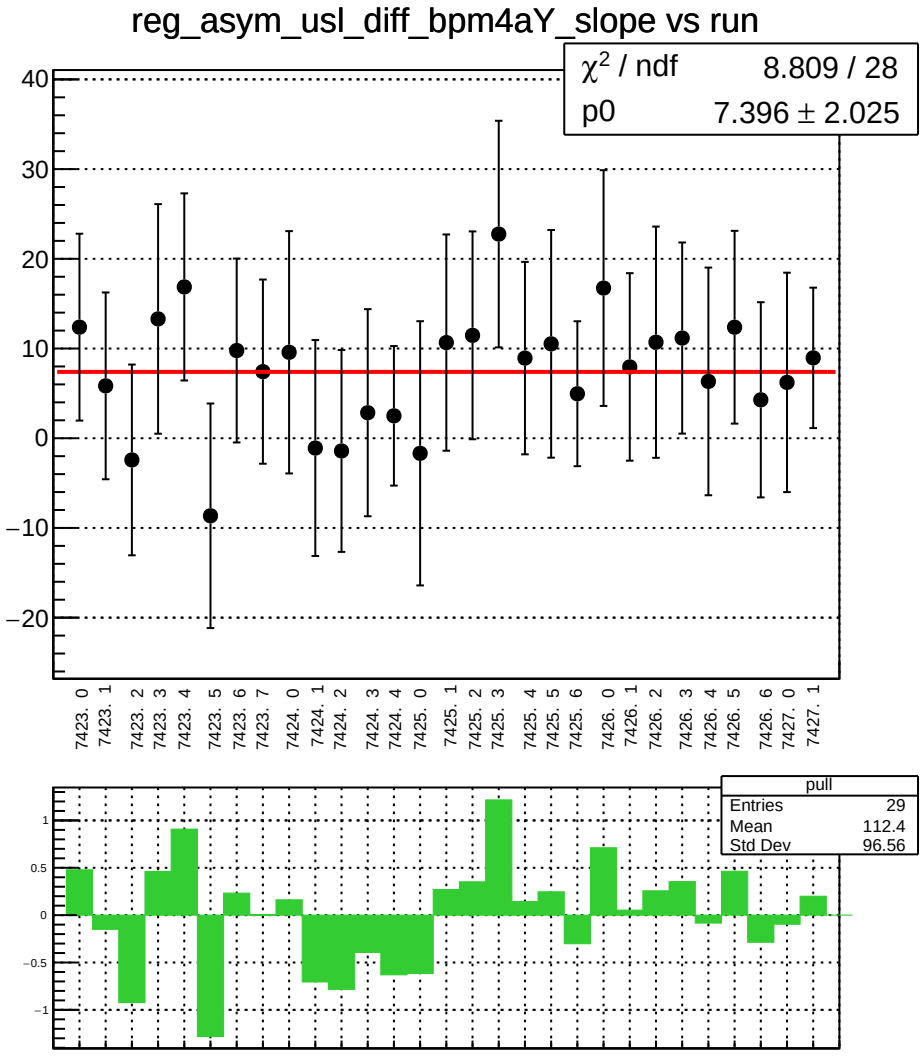

pull1D
Entries 29
Mean −0.3125
Std Dev 2.688
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

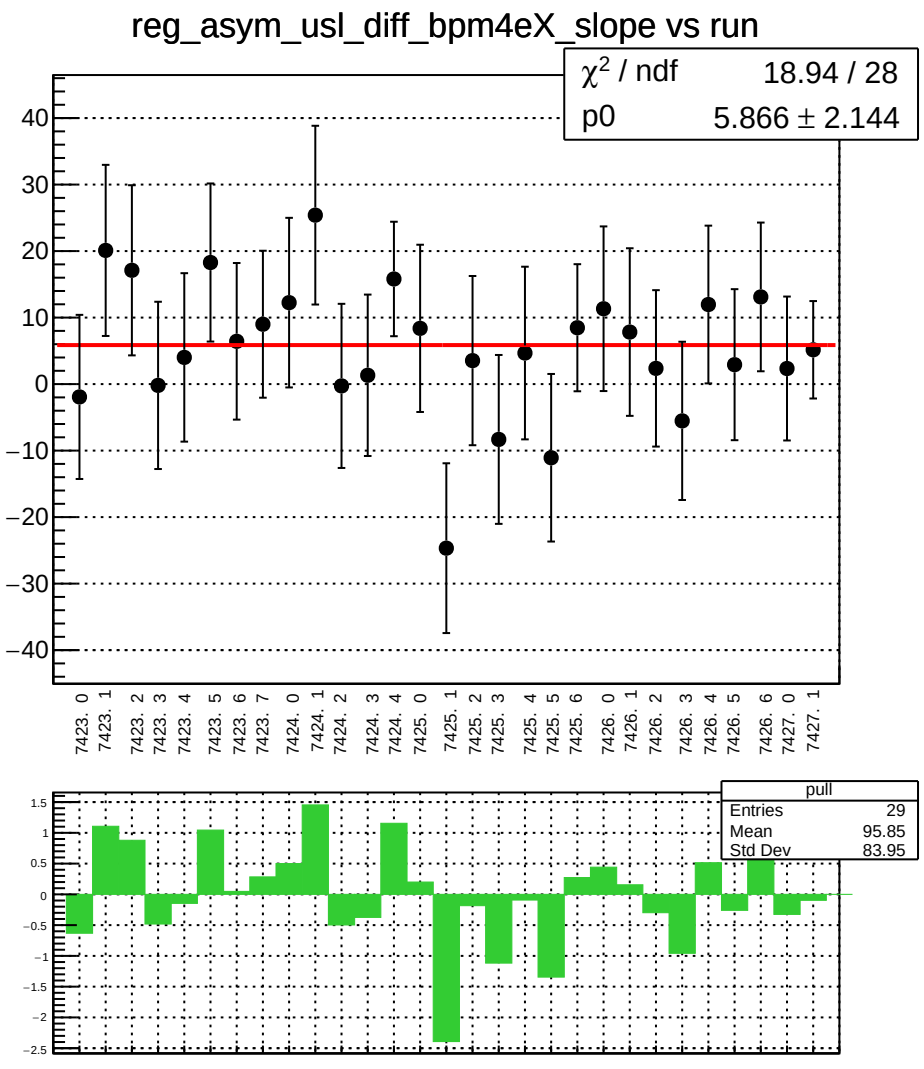

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 126.4 / 28
p0 31.82 ± 0.3681
40
35
30
25
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 105.5
Std Dev 88.66
3
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 29
Mean −0.0793
Std Dev 2.087
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

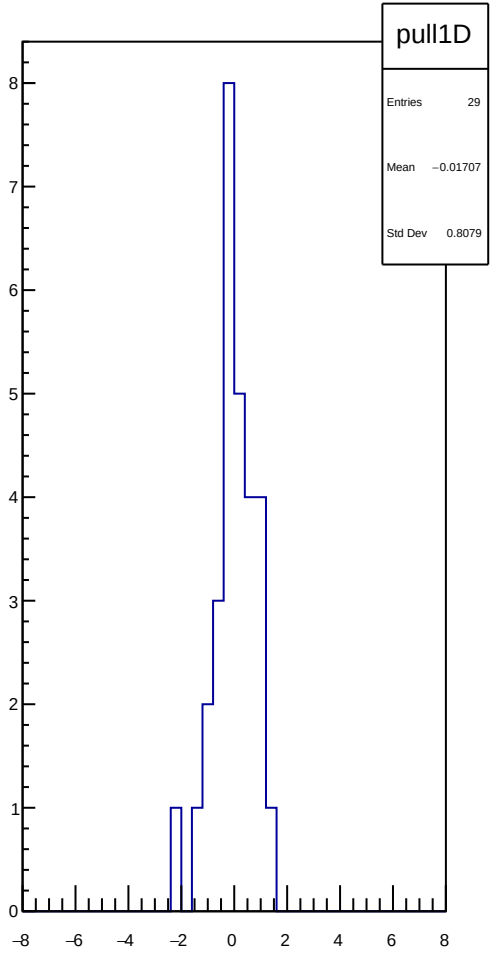

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 14.37 / 28
p0 0.6213 ± 0.01602
0.8
0.7
0.6
0.5
0.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −35.99
Std Dev 56.04
1.5
1
0.5
0
−0.5
−1

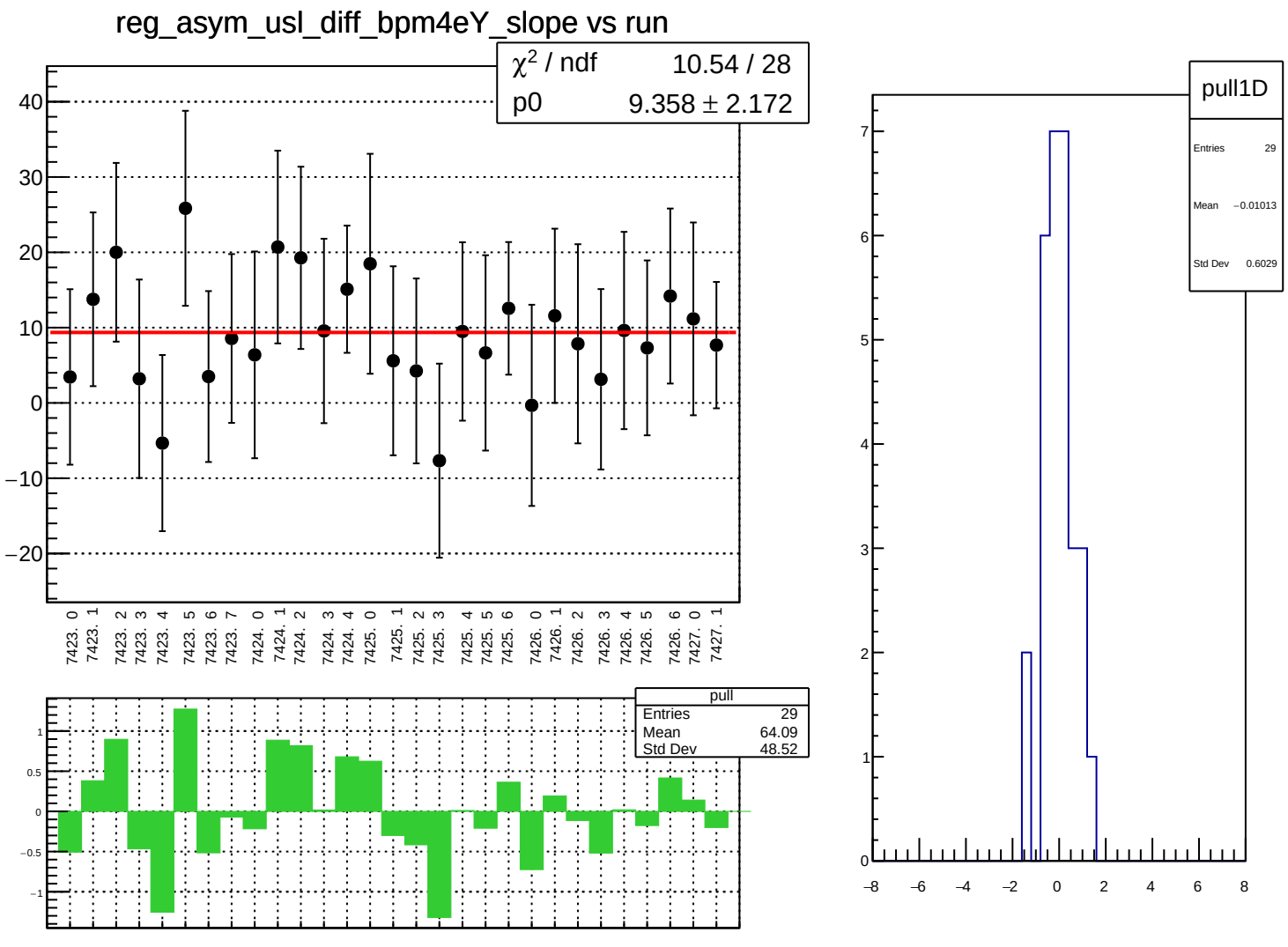

pull1D
Entries 29
Mean −0.03554
Std Dev 0.703
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

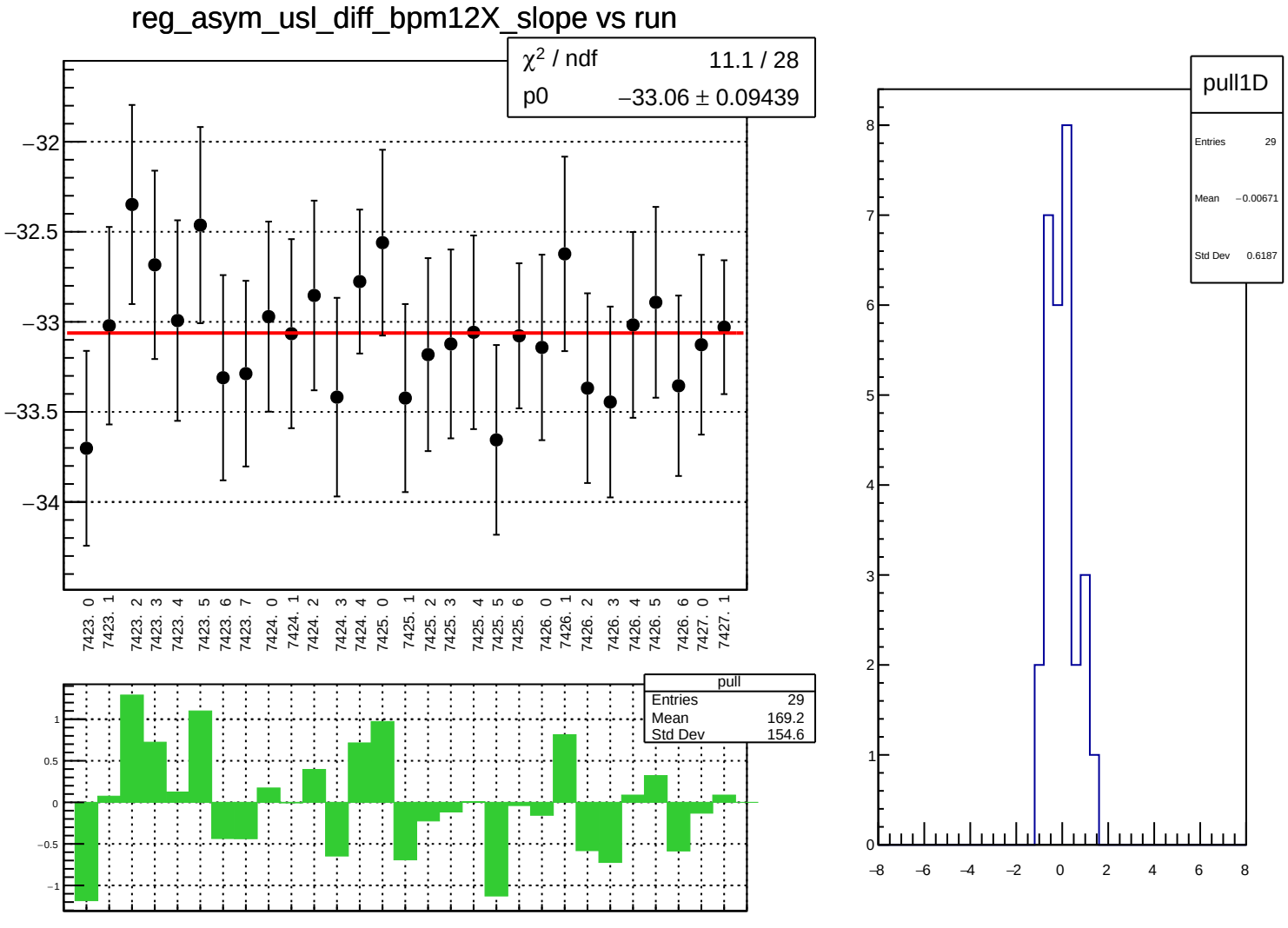

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 19.49 / 28
p0 −61.19 ± 2.054
−20
−30
−40
−50
−60
−70
−80
−90
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 110
Std Dev 97.61
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.01356
Std Dev 0.8197
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

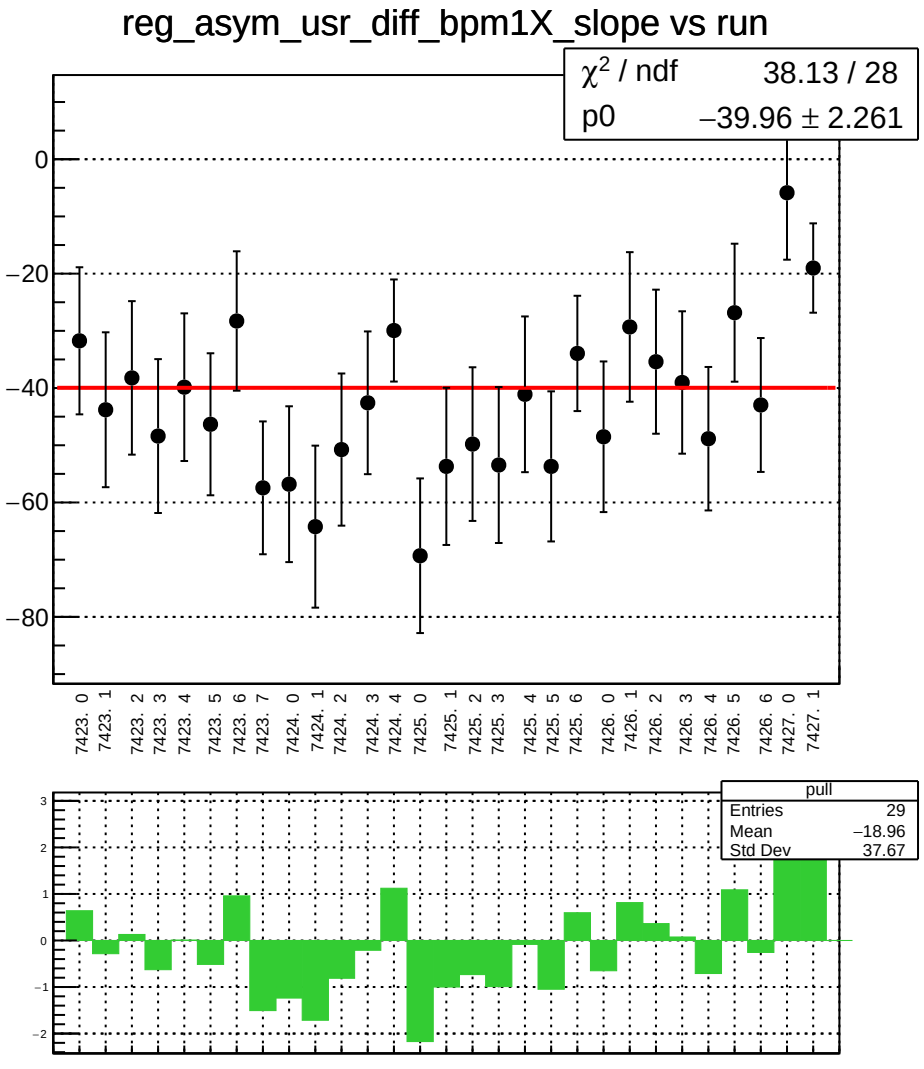

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 8.809 / 28
p0 7.396 ± 2.025
40
30
20
10
0
−10
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 112.4
Std Dev 96.56
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.008986
Std Dev 0.5511
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

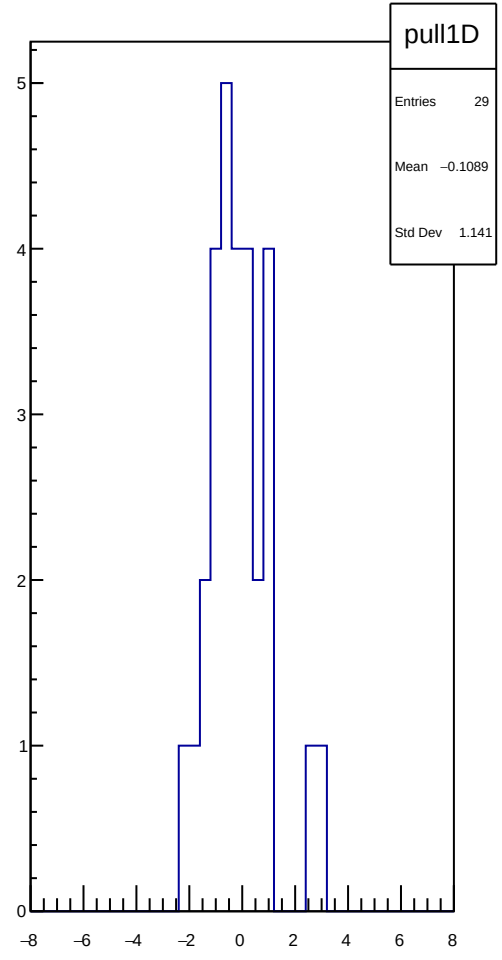

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 18.94 / 28
p0 5.866 ± 2.144
pull
Entries 29
Mean 95.85
Std Dev 83.95

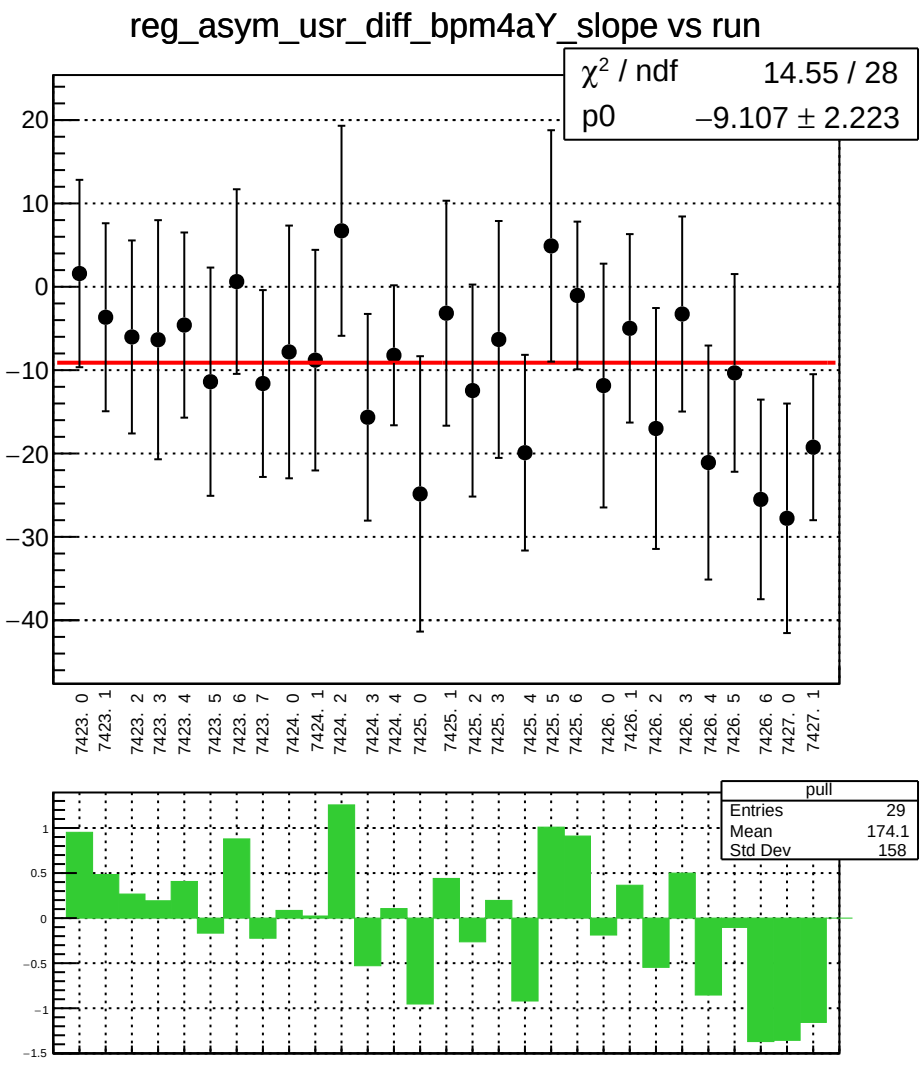

pull1D
Entries 29
Mean −0.01707
Std Dev 0.8079

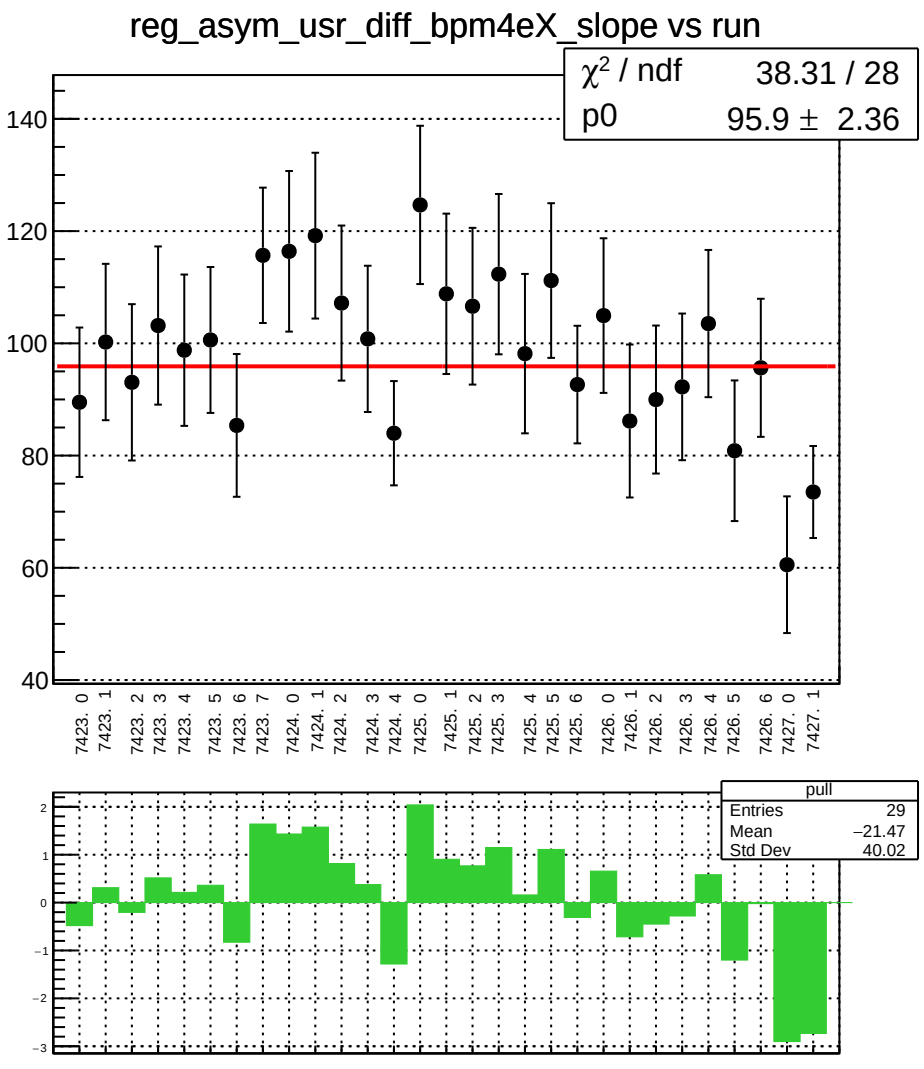

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 10.54 / 28
p0 9.358 ± 2.172
40
30
20
10
0
−10
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 64.09
Std Dev 48.52
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.01013
Std Dev 0.6029
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

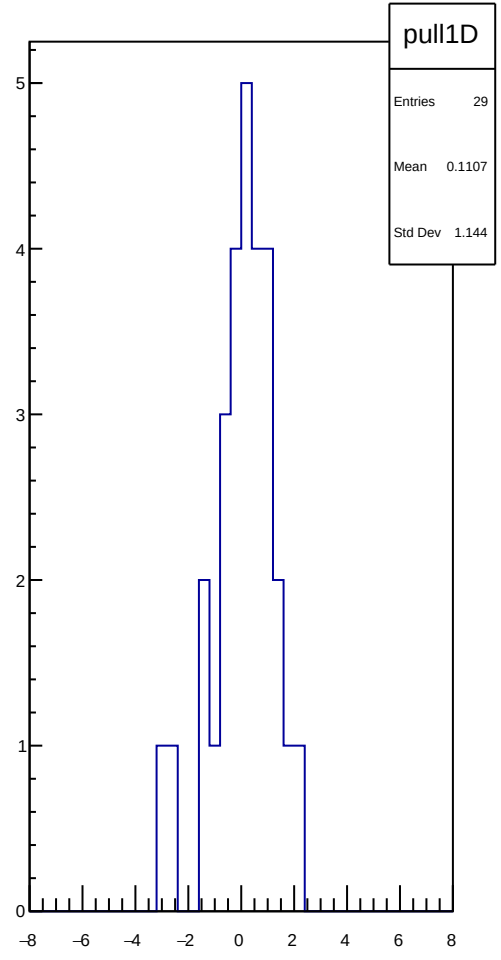

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 11.1 / 28
p0 −33.06 ± 0.09439
−32
−32.5
−33
−33.5
−34
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 169.2
Std Dev 154.6
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.00671
Std Dev 0.6187
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

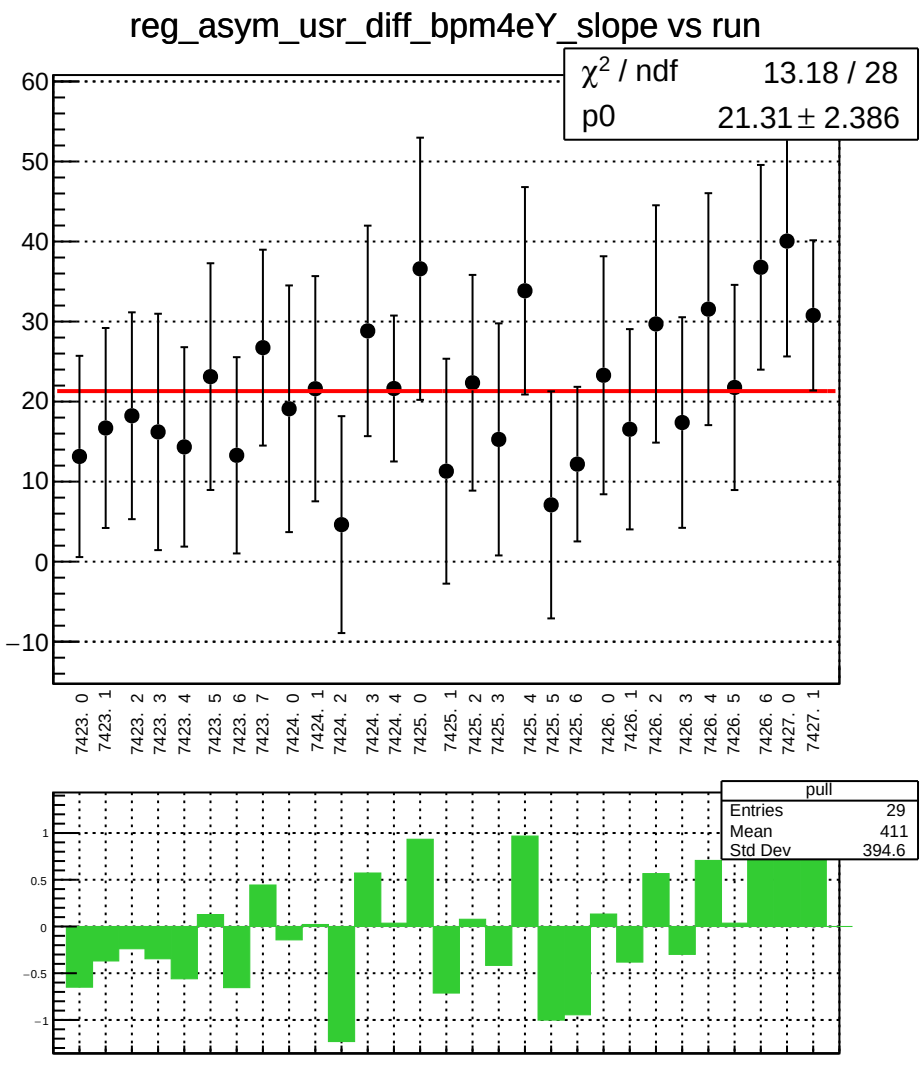

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 38.13 / 28
p0 −39.96 ± 2.261
0
−20
−40
−60
−80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −18.96
Std Dev 37.67
3
2
1
0
−1
−2

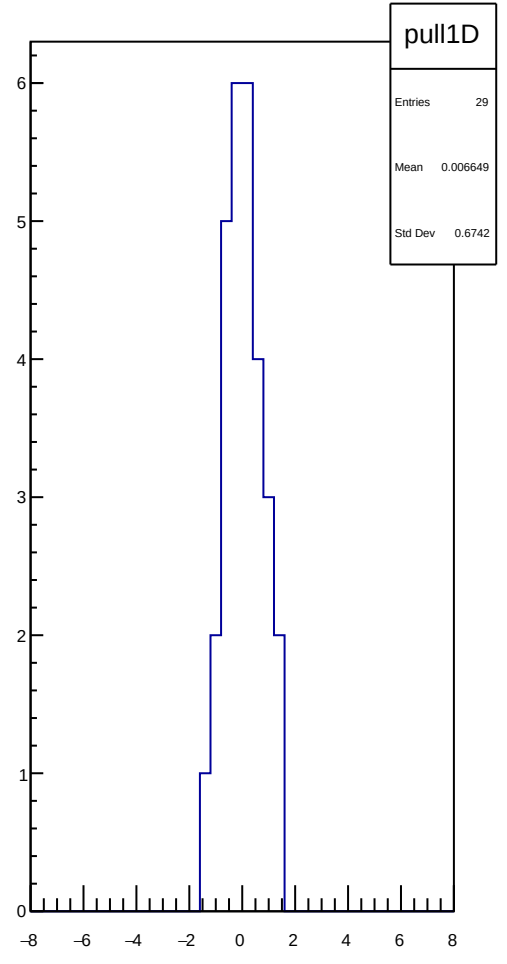

pull1D
Entries 29
Mean −0.1089
Std Dev 1.141
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

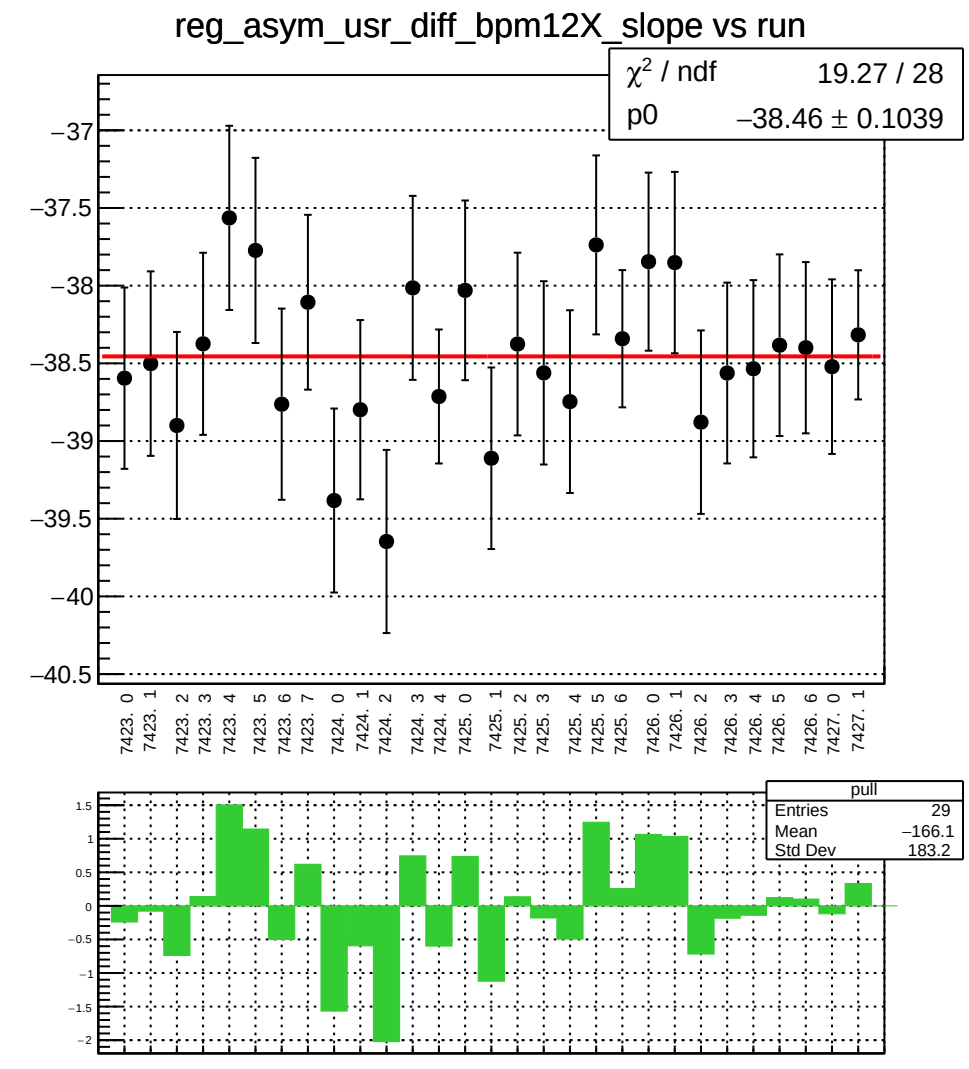

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 14.55 / 28
p0 −9.107 ± 2.223
20
10
0
−10
−20
−30
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 174.1
Std Dev 158
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.01917
Std Dev 0.7081
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

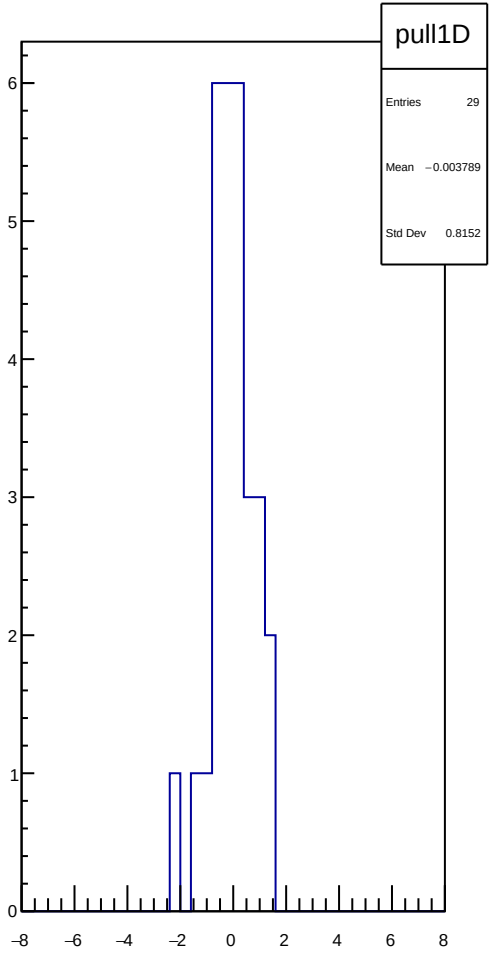

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 38.31 / 28
p0 95.9 ± 2.36
140
120
100
80
60
40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −21.47
Std Dev 40.02
2
1
0
−1
−2
−3

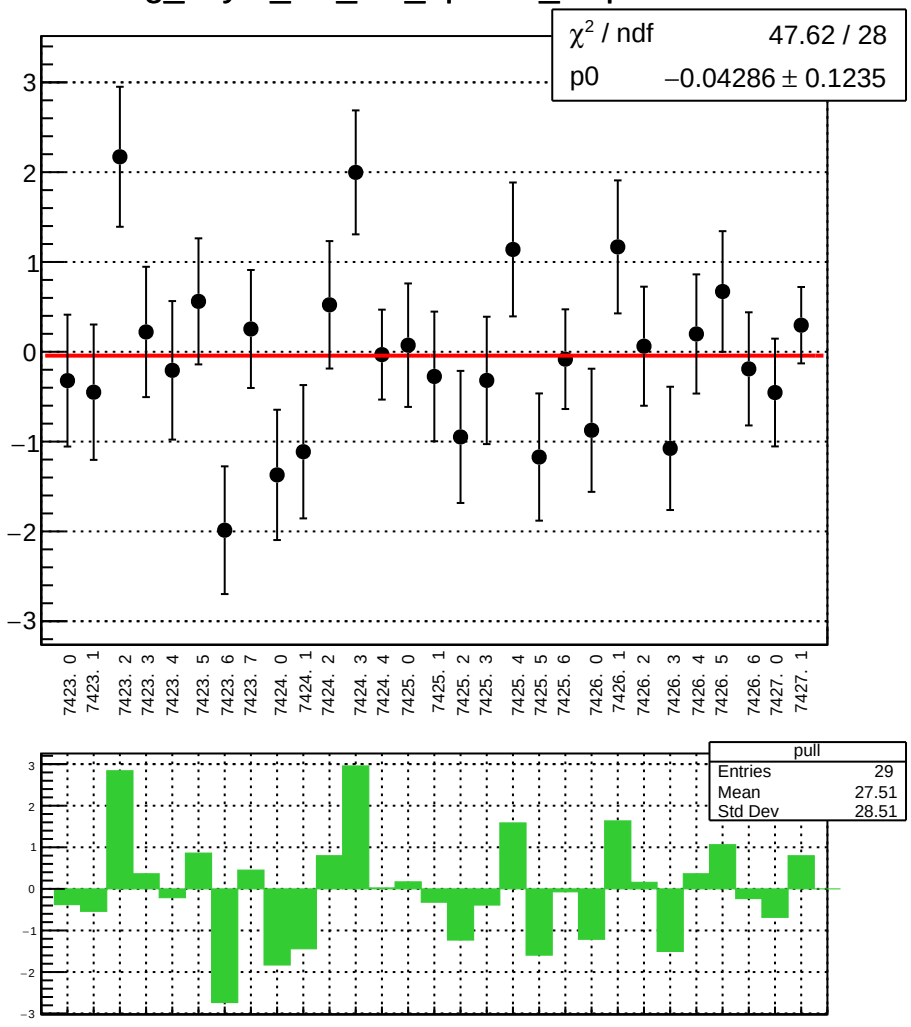

pull1D
Entries 29
Mean 0.1107
Std Dev 1.144
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

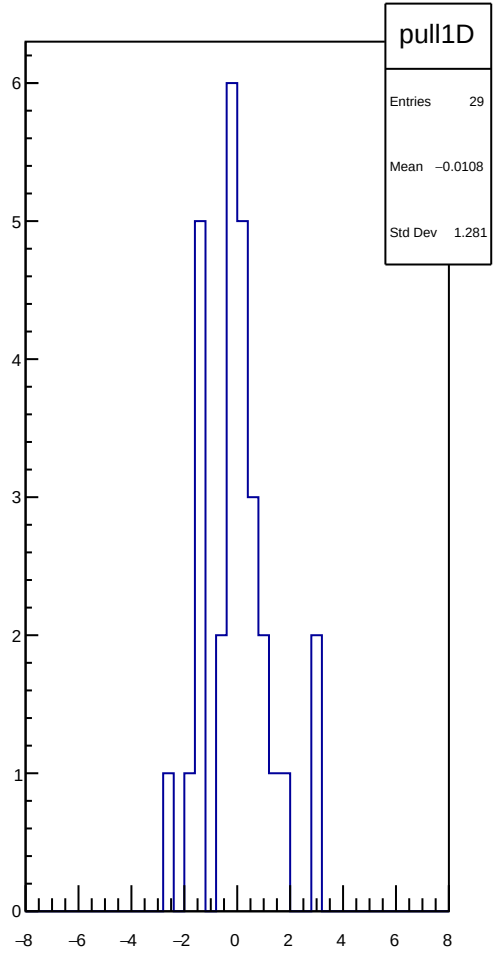

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.18 / 28
p0 21.31 ± 2.386
60
50
40
30
20
10
0
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 411
Std Dev 394.6
1
0.5
0
−0.5
−1

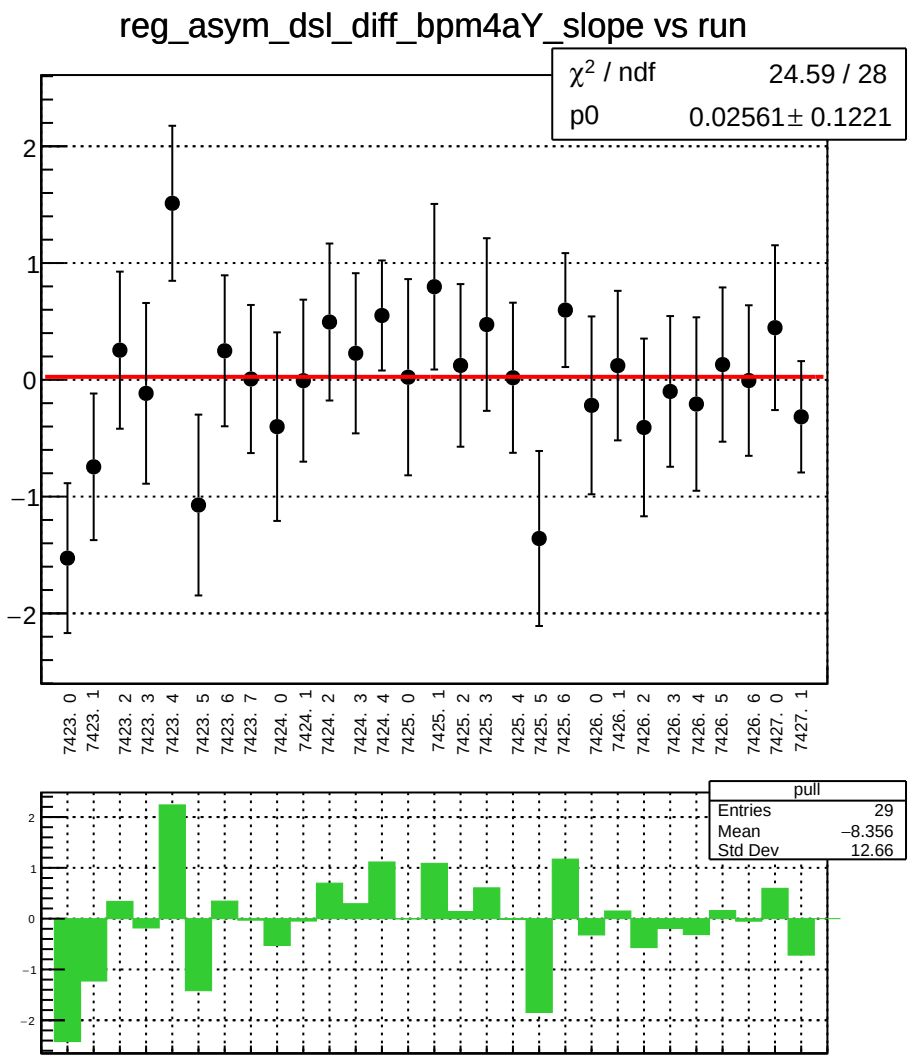

pull1D
Entries 29
Mean 0.006649
Std Dev 0.6742
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

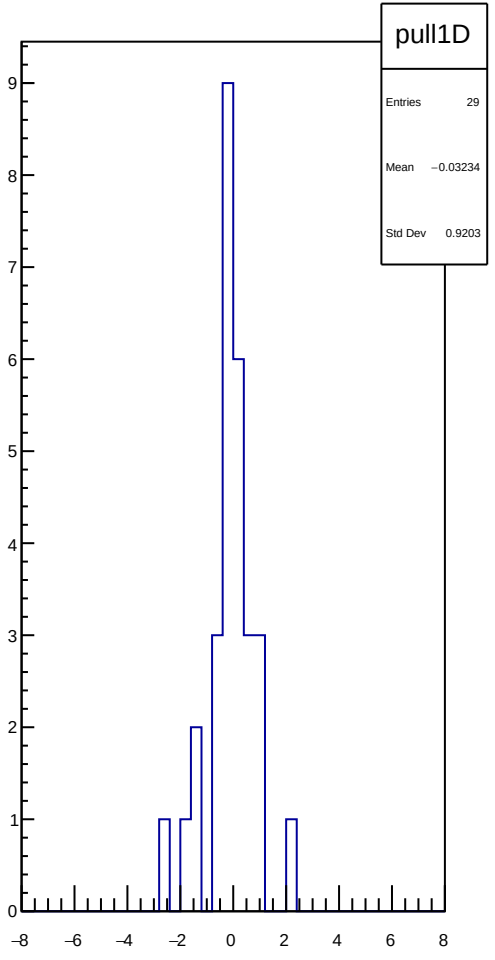

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 19.27 / 28
p0 −38.46 ± 0.1039
−37
−37.5
−38
−38.5
−39
−39.5
−40
−40.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −166.1
Std Dev 183.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

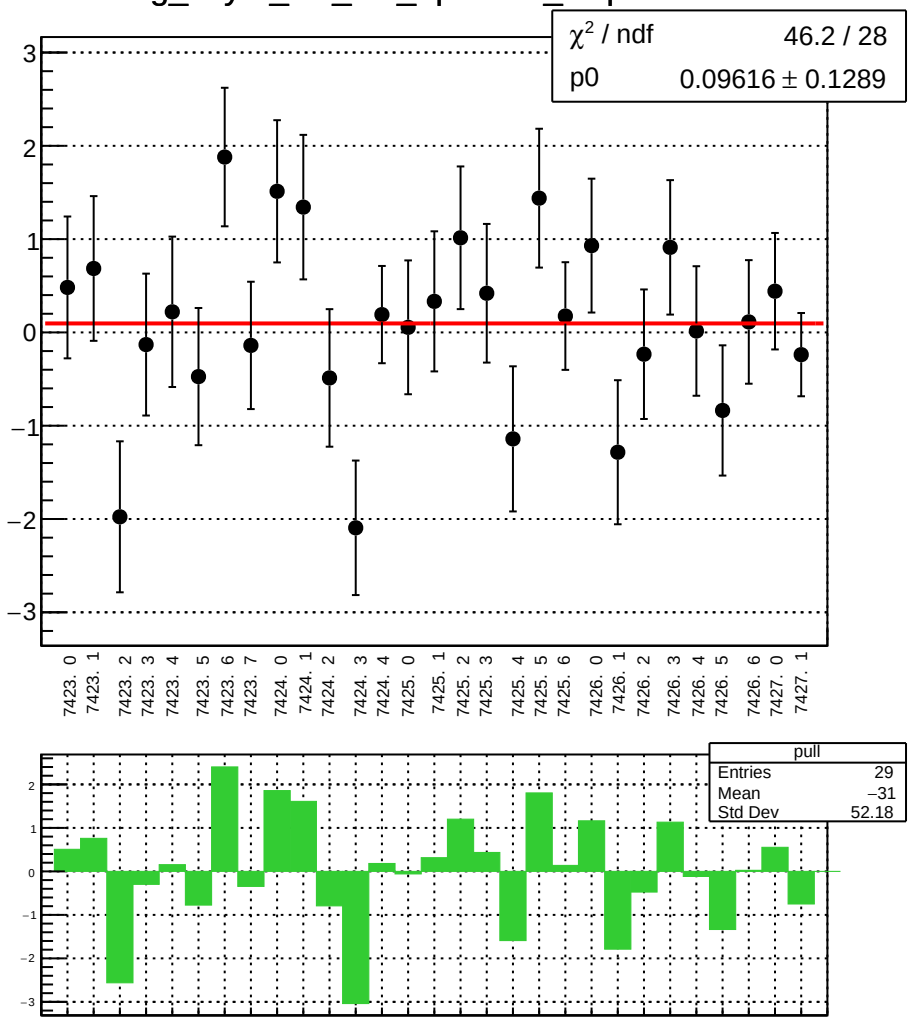

pull1D
Entries 29
Mean −0.003789
Std Dev 0.8152
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

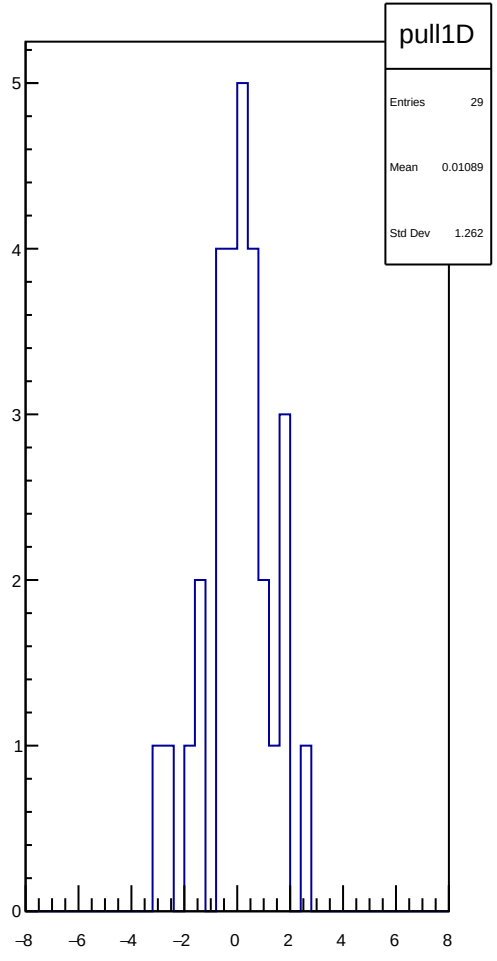

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 47.62 / 28
p0 −0.04286 ± 0.1235
pull
Entries 29
Mean 27.51
Std Dev 28.51

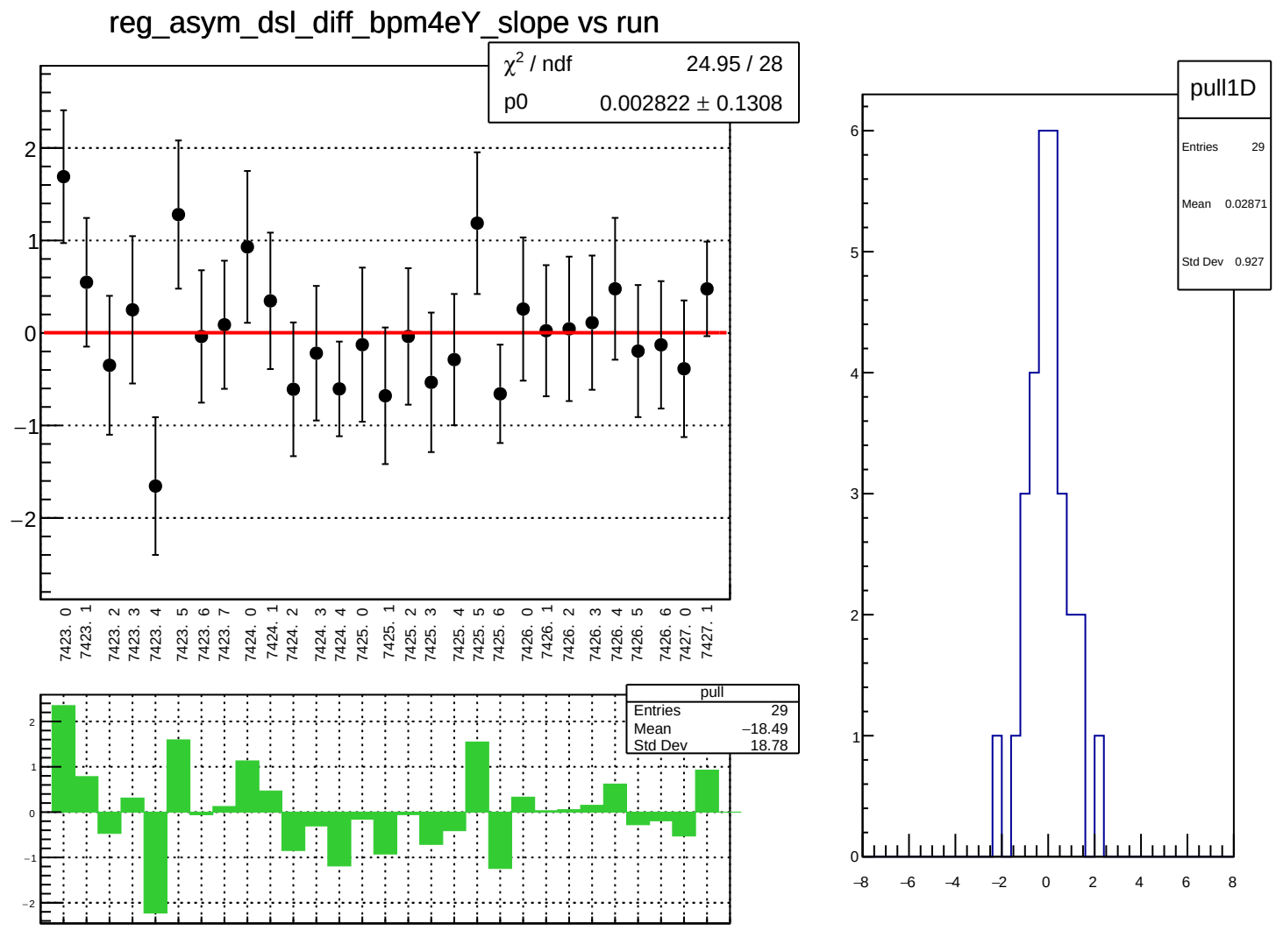

pull1D
Entries 29
Mean −0.0108
Std Dev 1.281

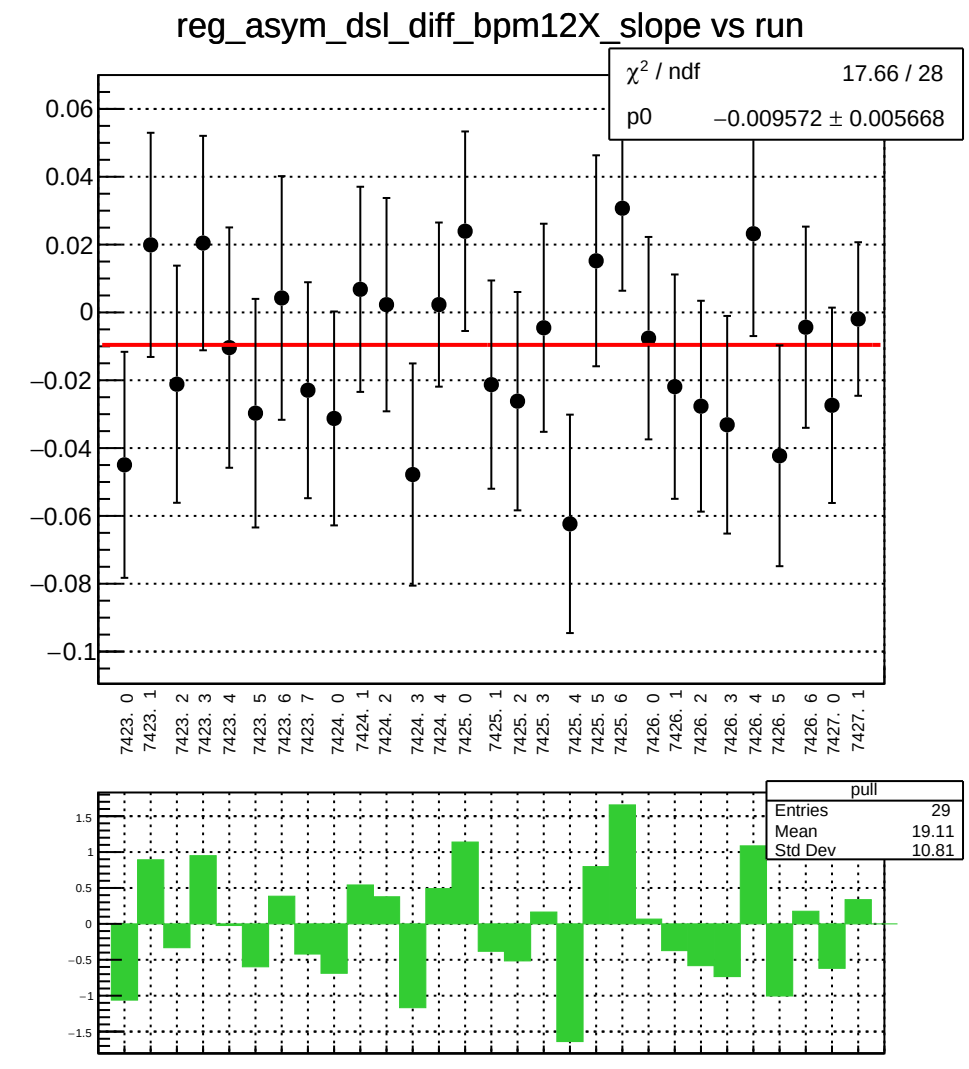

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 24.59 / 28
p0 0.02561± 0.1221
pull
Entries 29
Mean −8.356
Std Dev 12.66

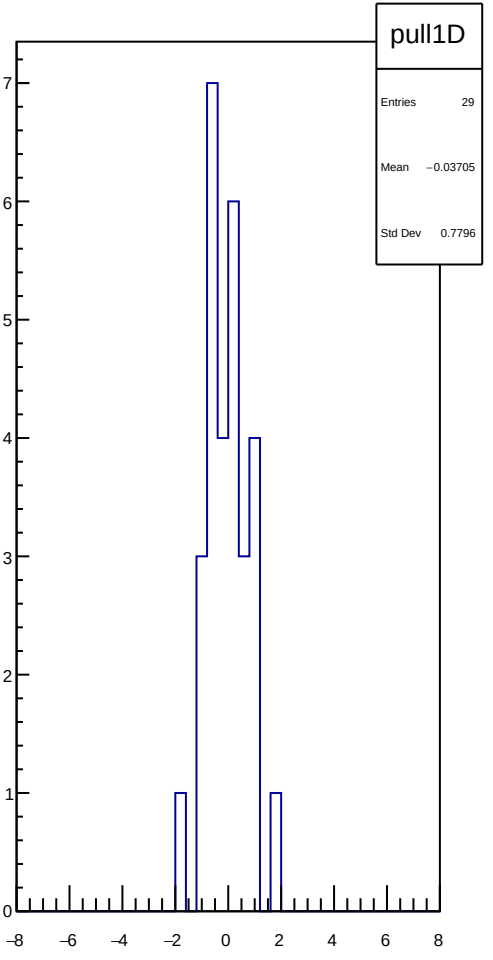

pull1D
Entries 29
Mean −0.03234
Std Dev 0.9203

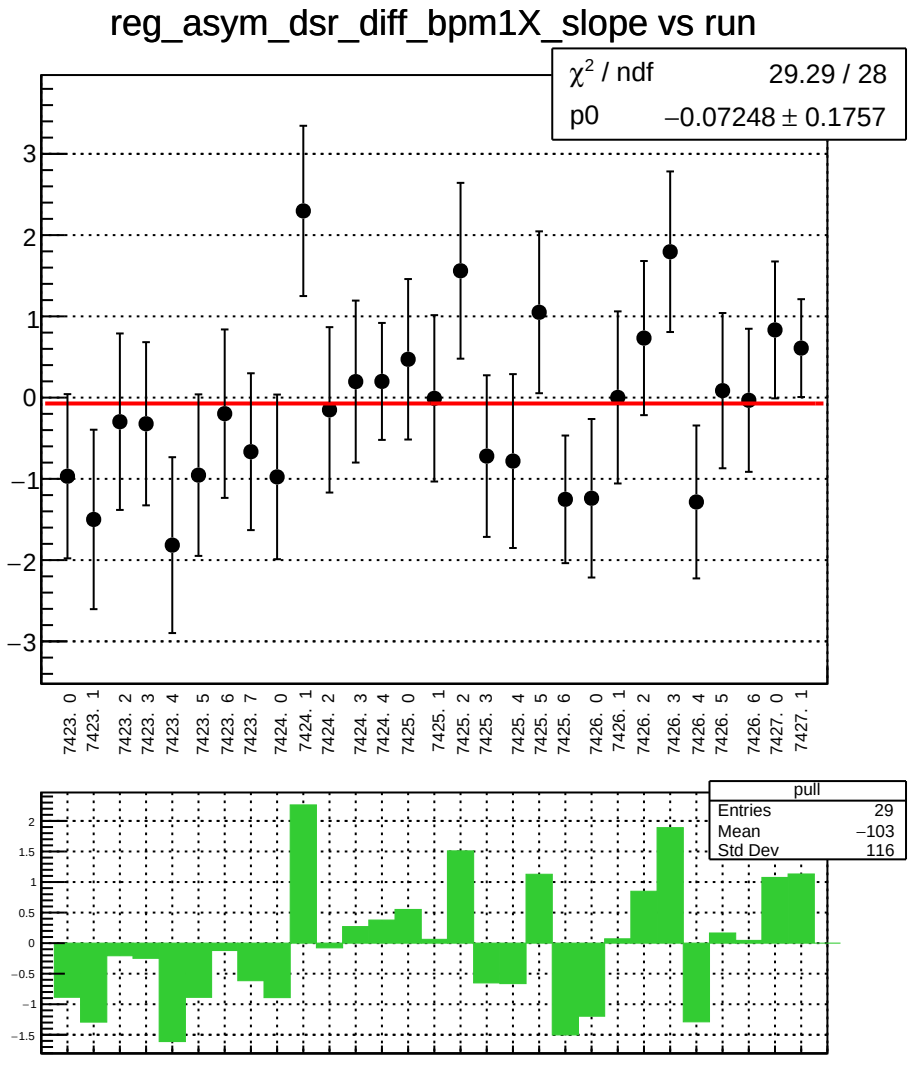

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 46.2 / 28
p0 0.09616 ± 0.1289
pull
Entries 29
Mean −31
Std Dev 52.18

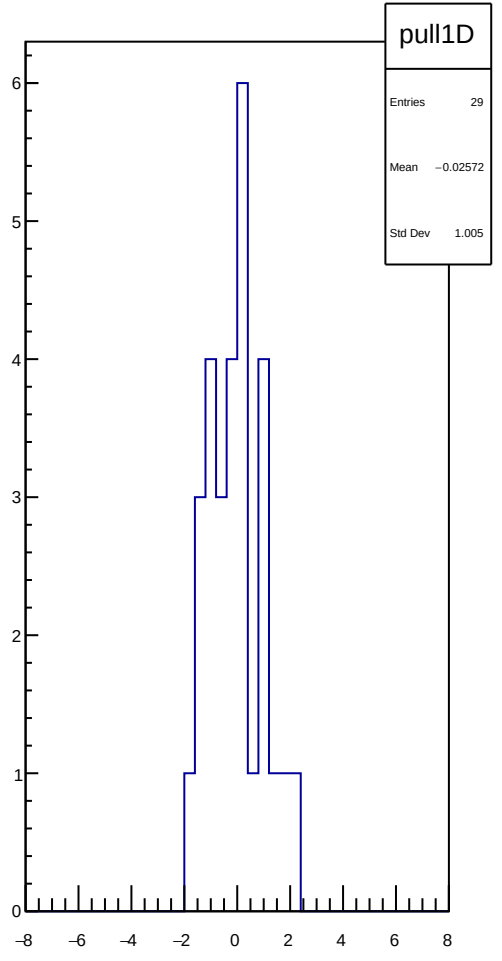

pull1D
Entries 29
Mean 0.01089
Std Dev 1.262

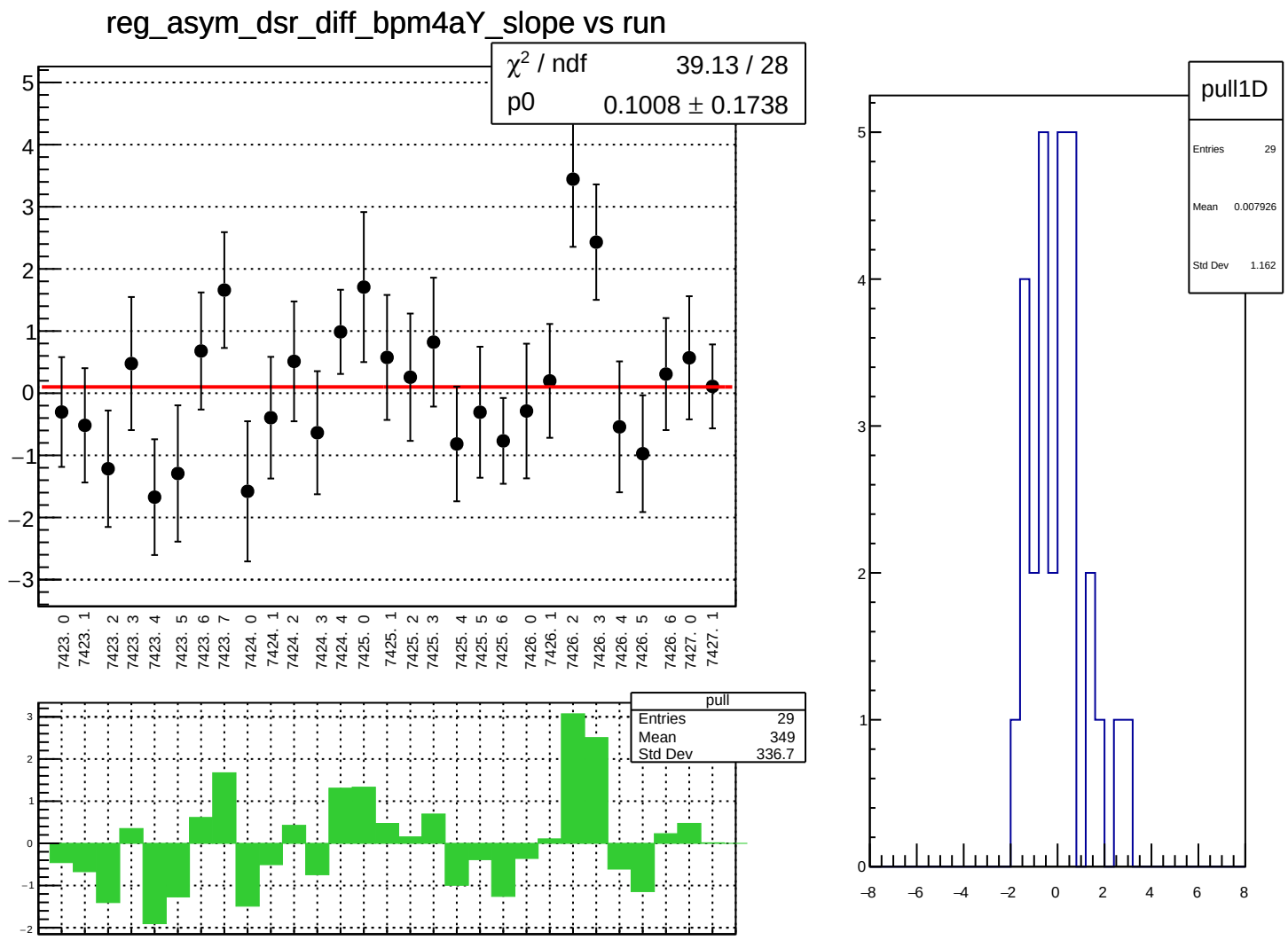

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 24.95 / 28
p0 0.002822 ± 0.1308
pull
Entries 29
Mean −18.49
Std Dev 18.78
pull1D
Entries 29
Mean 0.02871
Std Dev 0.927

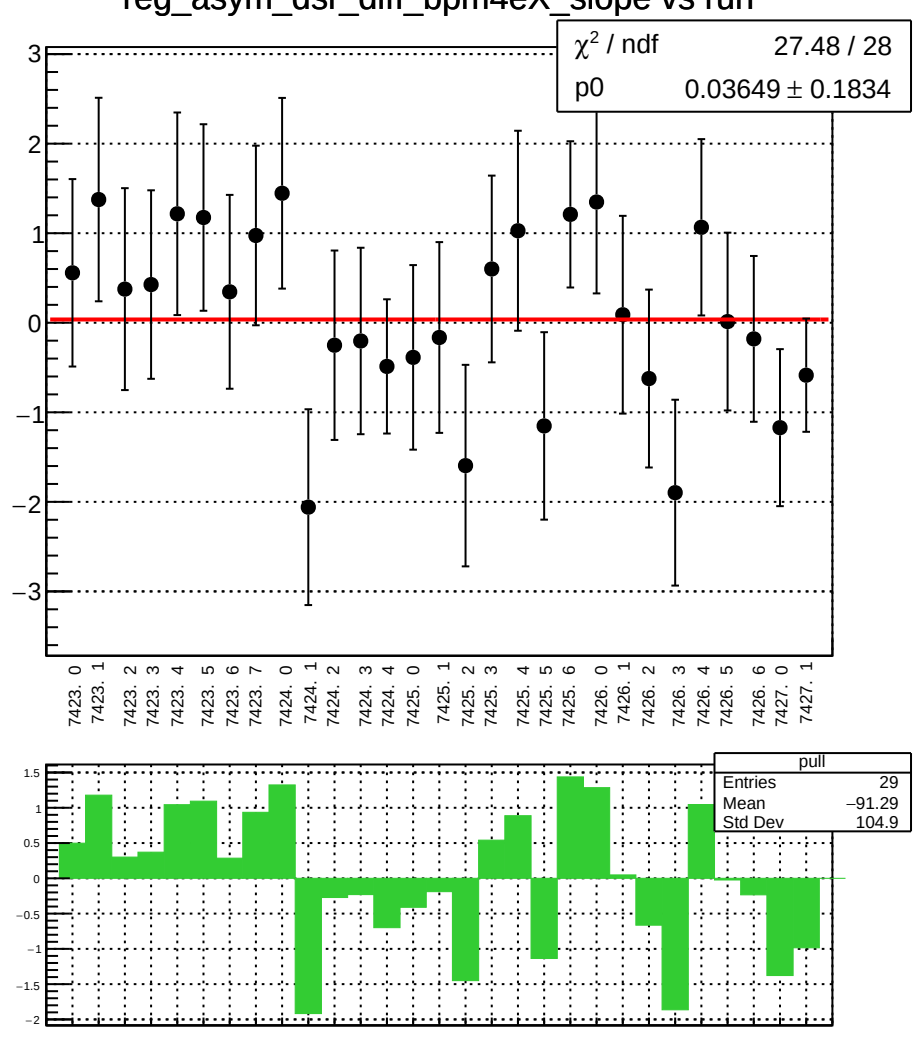

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 17.66 / 28
p0 −0.009572 ± 0.005668
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 19.11
Std Dev 10.81
1.5
1
0.5
0
−0.5
−1
−1.5

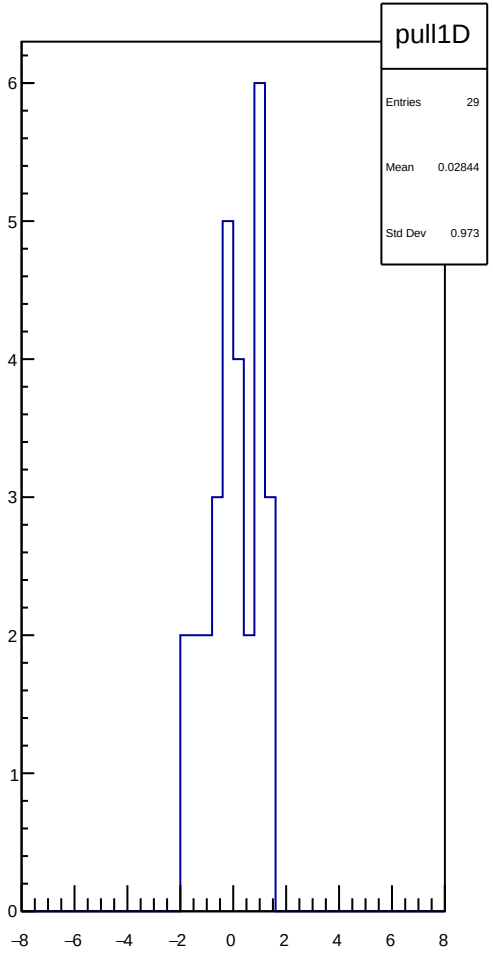

pull1D
Entries 29
Mean −0.03705
Std Dev 0.7796
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

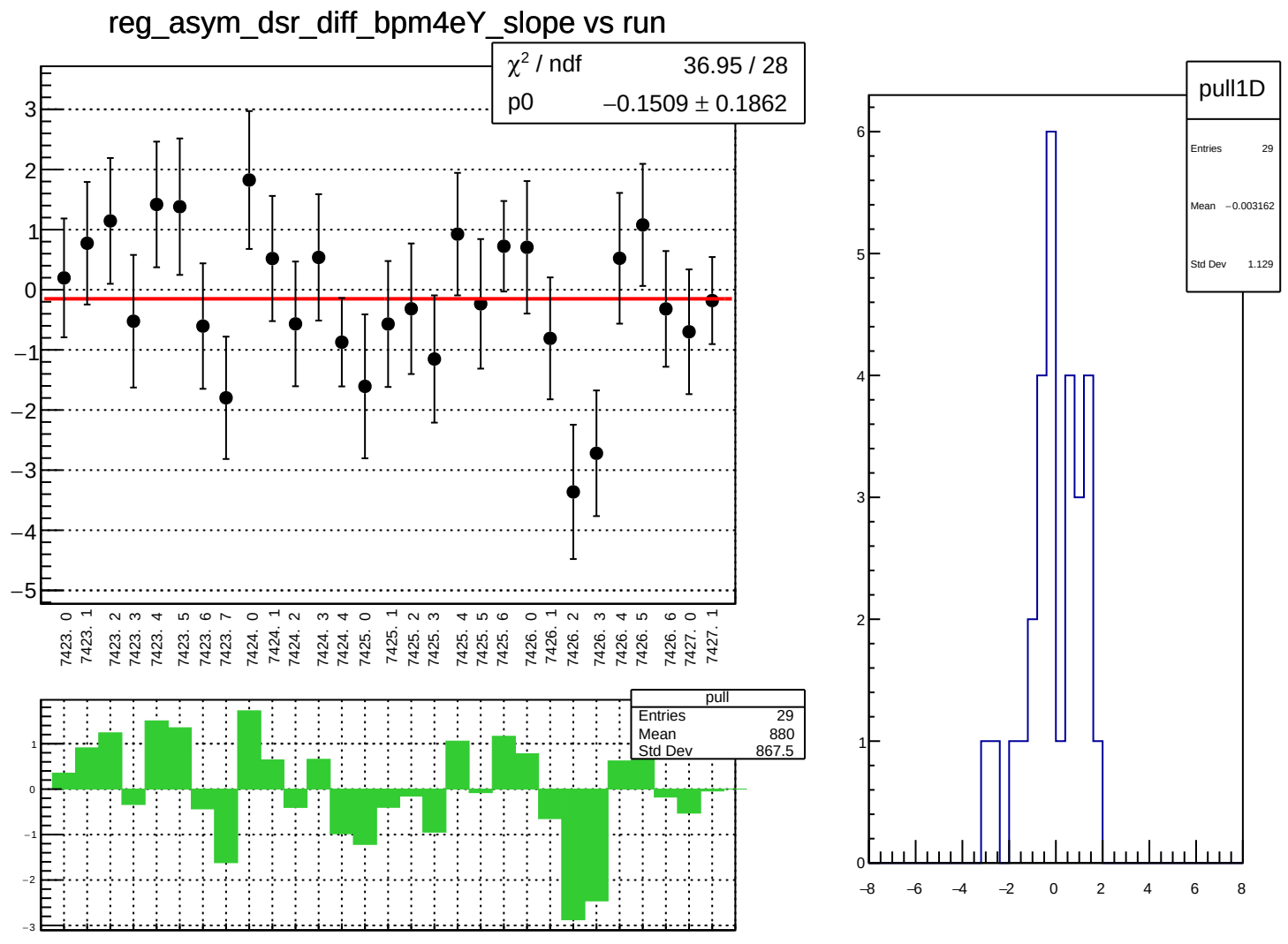

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 29.29 / 28
p0 −0.07248 ± 0.1757
3
2
1
0
−1
−2
−3
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −103
Std Dev 116
2
1.5
1
0.5
0
−0.5
−1
−1.5

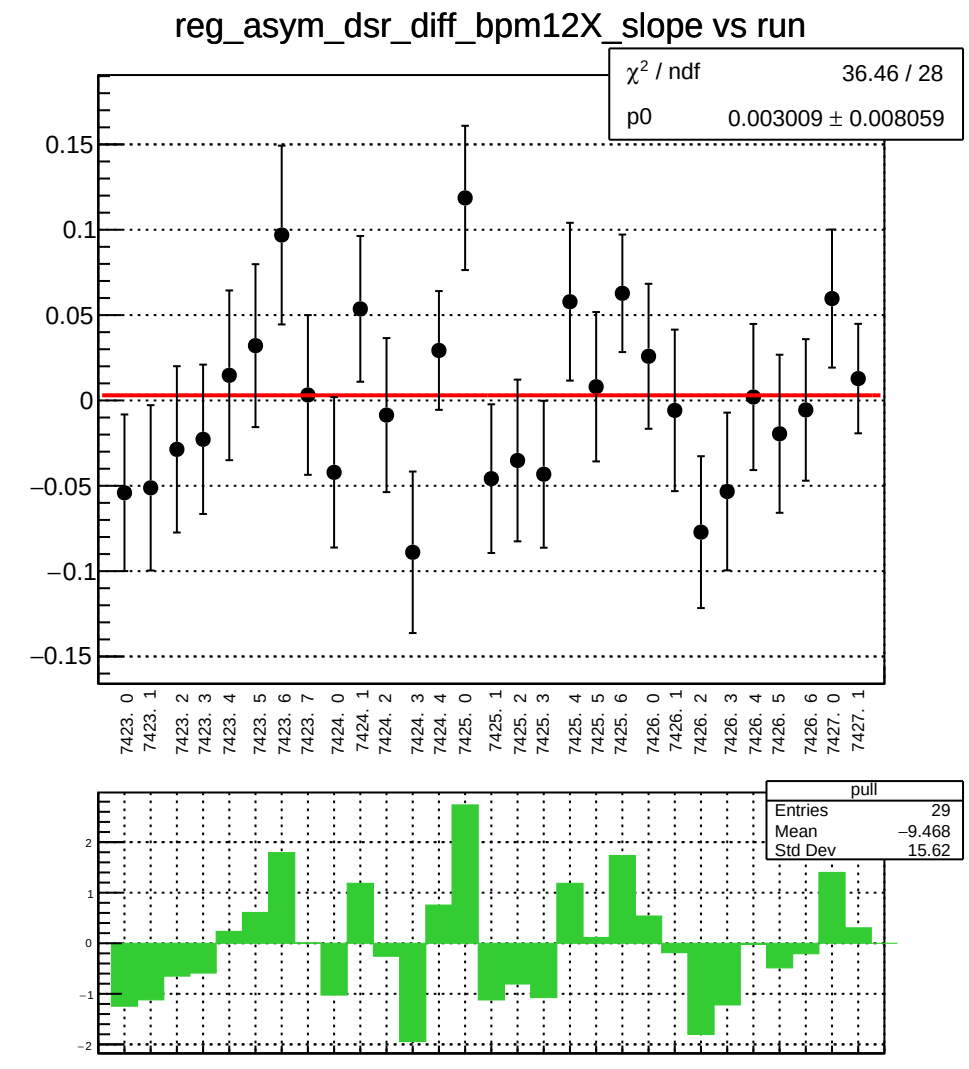

pull1D
Entries 29
Mean −0.02572
Std Dev 1.005
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

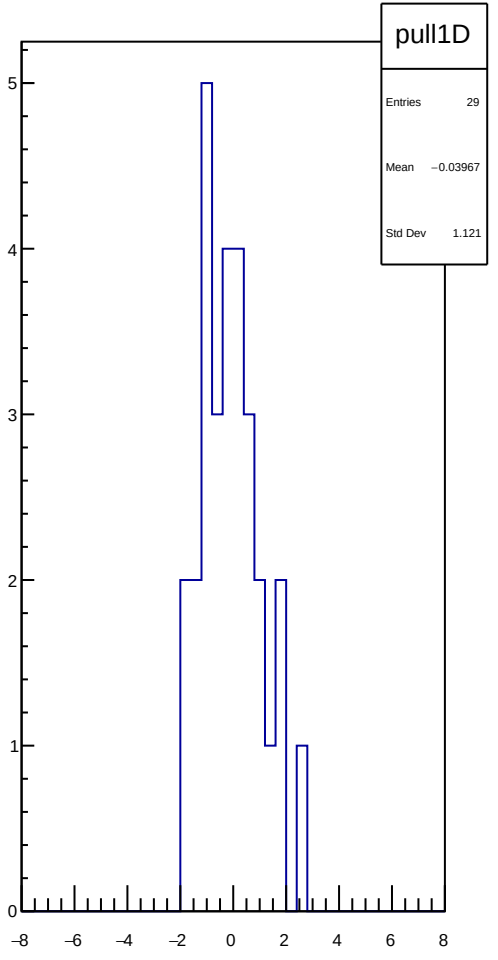

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 39.13 / 28
p0 0.1008 ± 0.1738
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 349
Std Dev 336.7
pull1D
Entries 29
Mean 0.007926
Std Dev 1.162

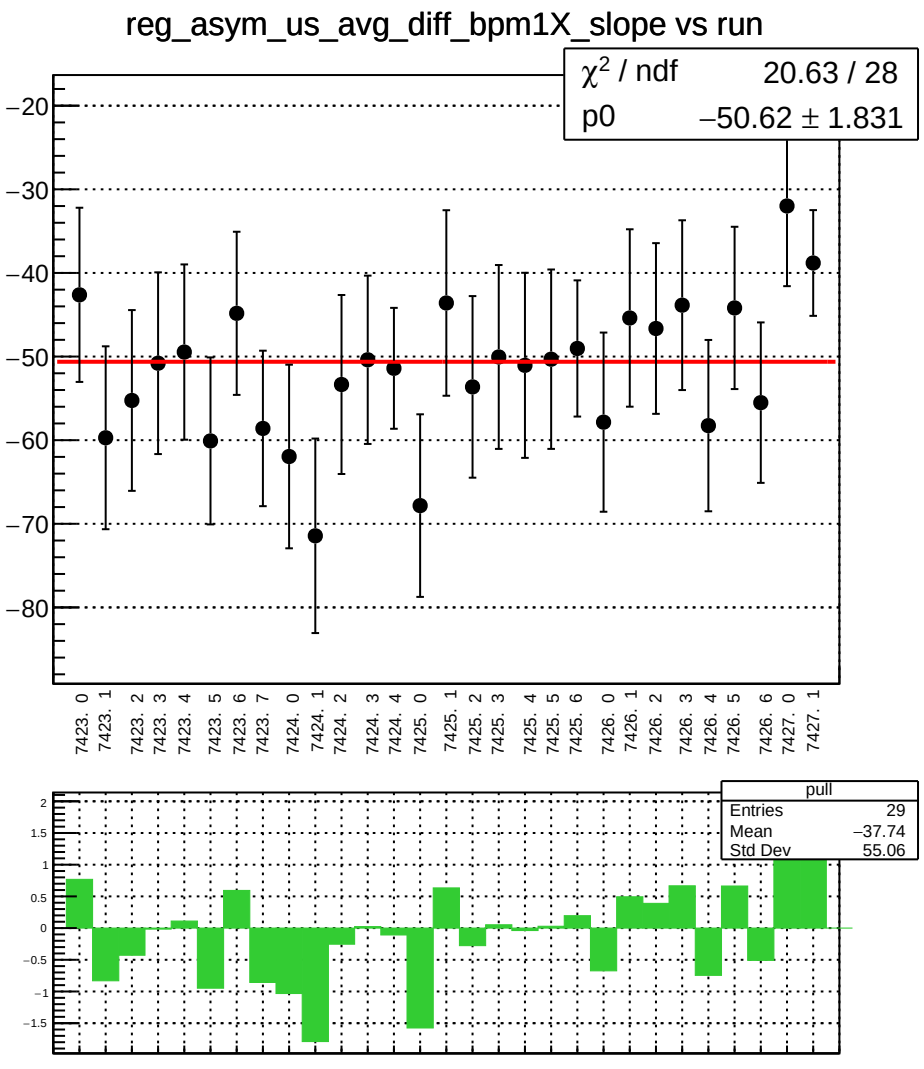

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 27.48 / 28
p0 0.03649 ± 0.1834
pull
Entries 29
Mean −91.29
Std Dev 104.9

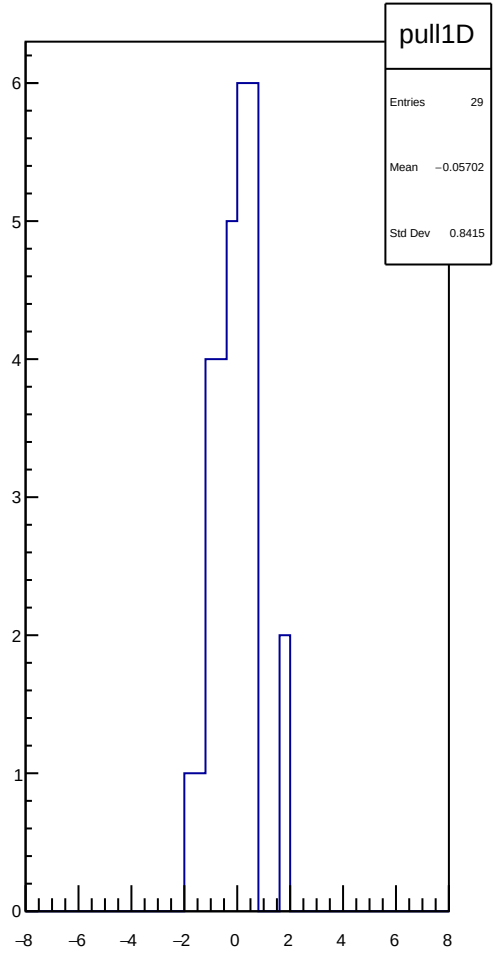

pull1D
Entries 29
Mean 0.02844
Std Dev 0.973

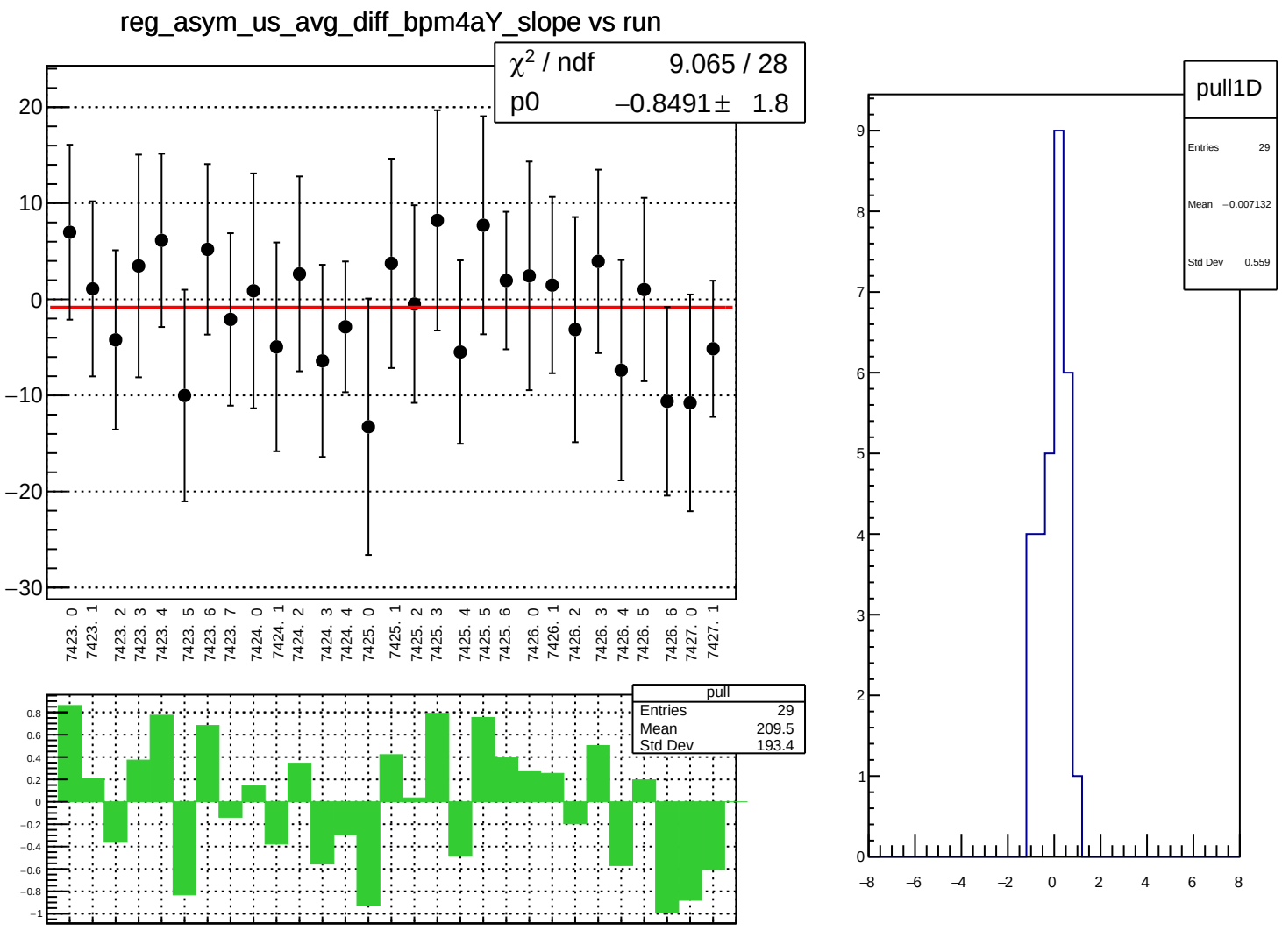

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 36.95 / 28
p0 −0.1509 ± 0.1862
pull
Entries 29
Mean 880
Std Dev 867.5
pull1D
Entries 29
Mean −0.003162
Std Dev 1.129

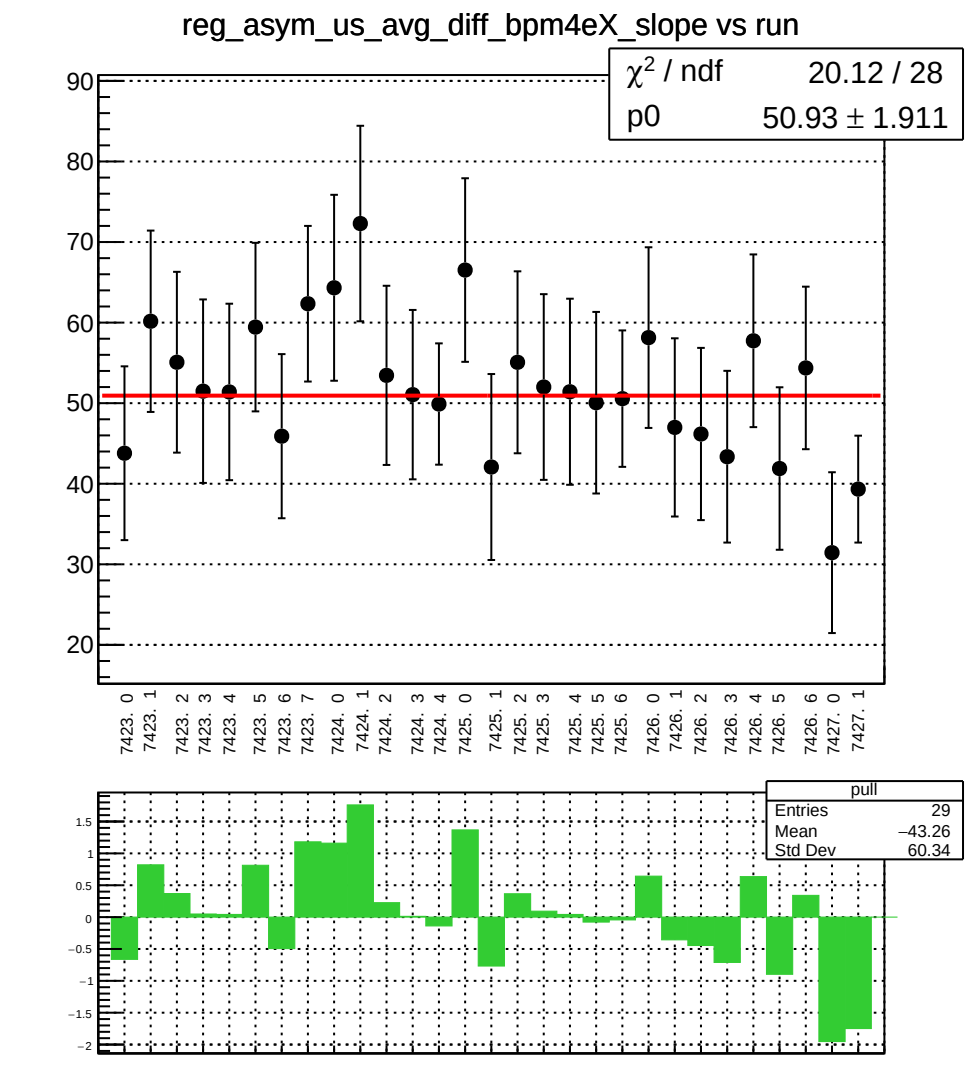

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 36.46 / 28
p0 0.003009 ± 0.008059
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −9.468
Std Dev 15.62
2
1
0
−1
−2

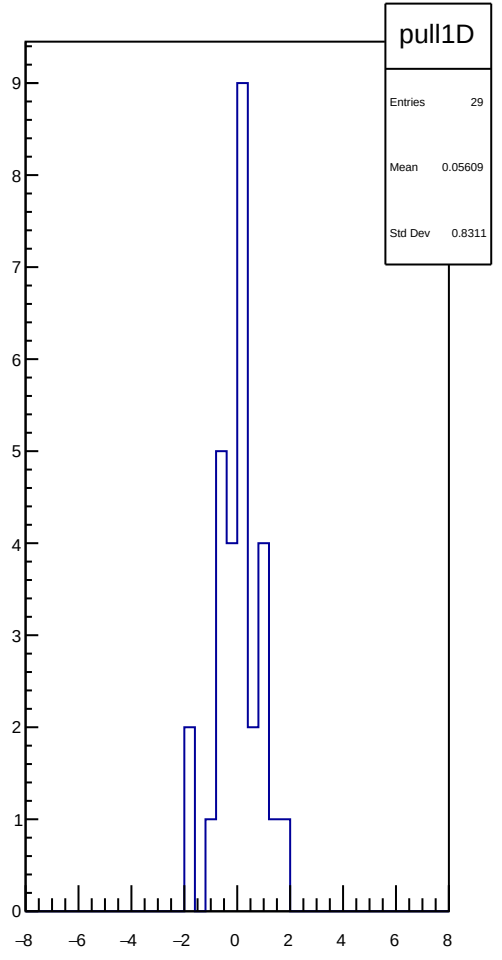

pull1D
Entries 29
Mean −0.03967
Std Dev 1.121
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

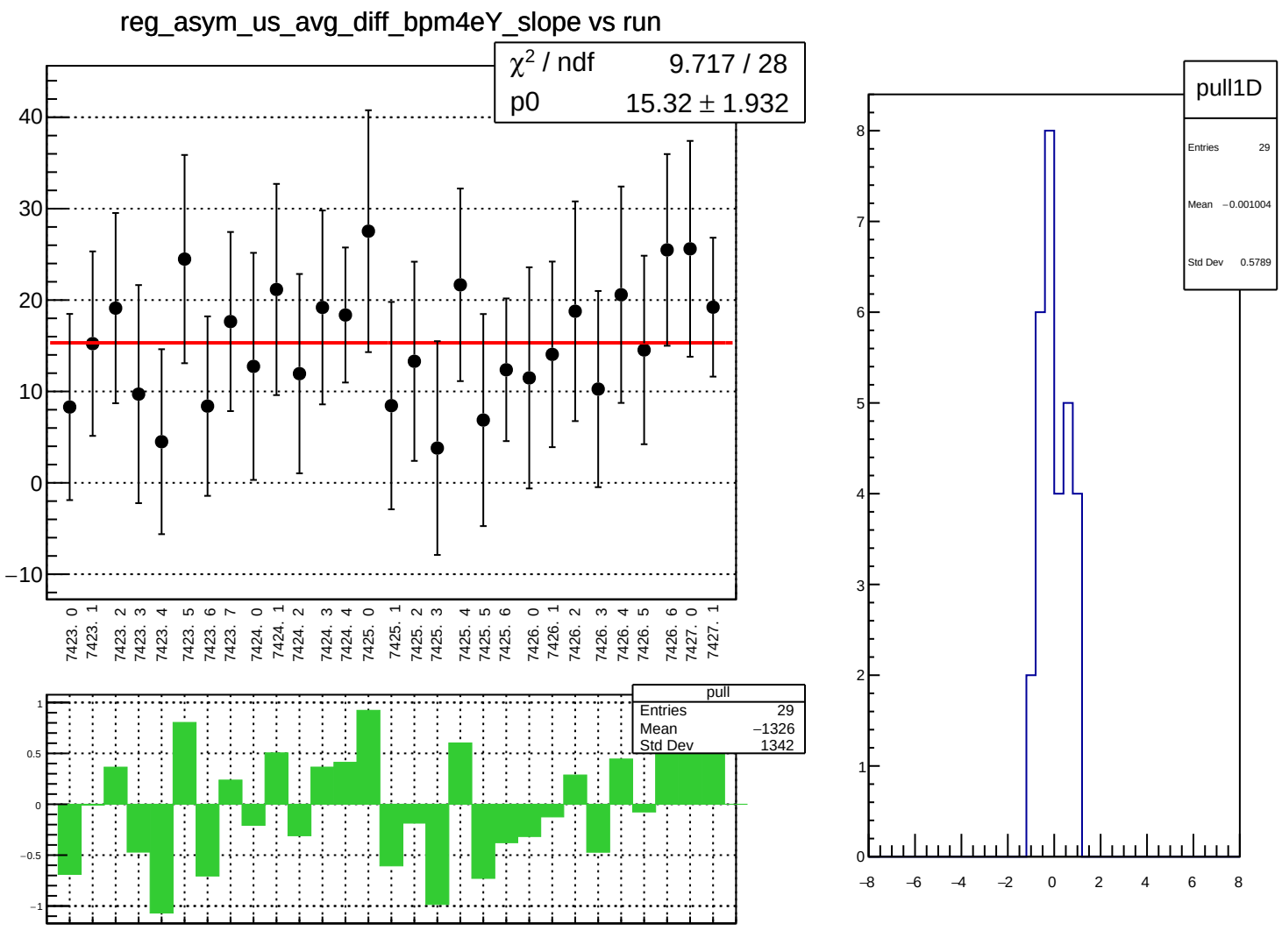

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 20.63 / 28
p0 −50.62 ± 1.831
−20
−30
−40
−50
−60
−70
−80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −37.74
Std Dev 55.06
2
1.5
1
0.5
0
−0.5
−1
−1.5

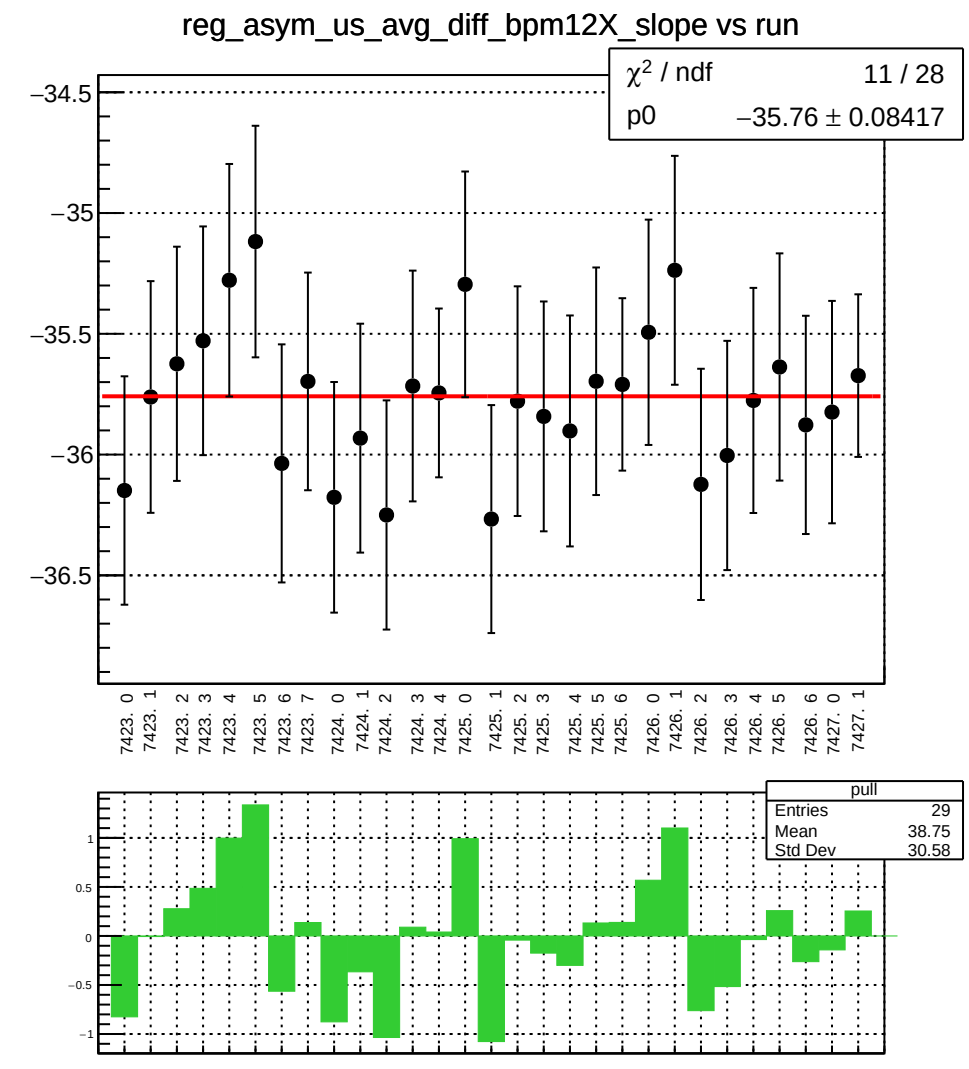

pull1D
Entries 29
Mean −0.05702
Std Dev 0.8415
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

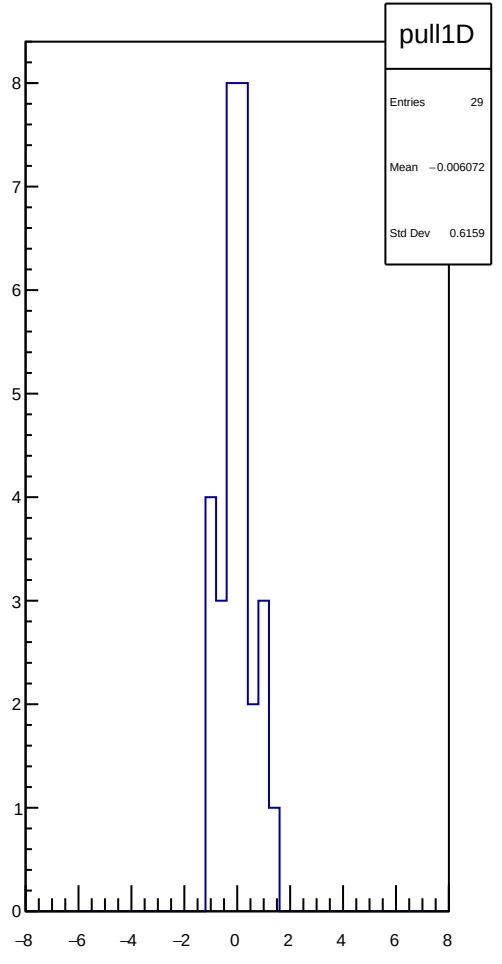

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.065 / 28
p0 −0.8491 ± 1.8
20
10
0
−10
−20
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 209.5
Std Dev 193.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 29
Mean −0.007132
Std Dev 0.559
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

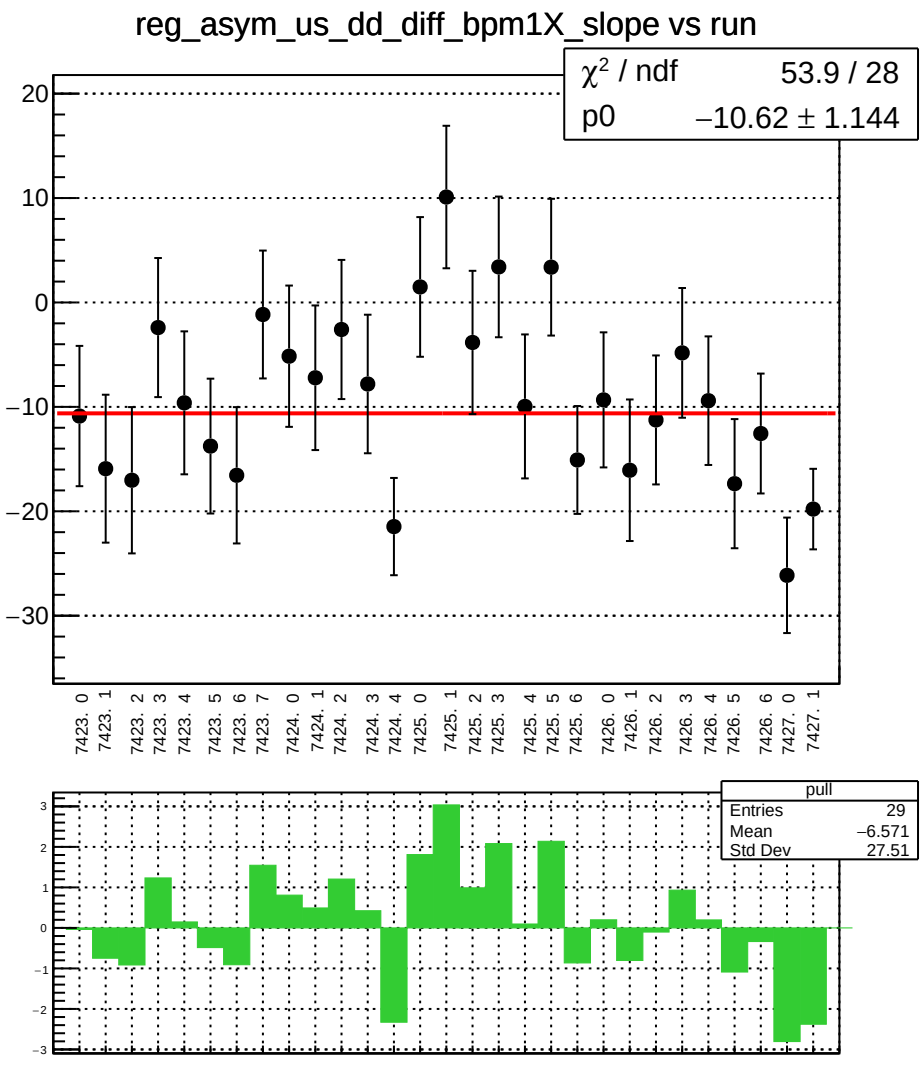

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.12 / 28
p0 50.93 ± 1.911
90
80
70
60
50
40
30
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −43.26
Std Dev 60.34
1.5
1
0.5
0
−0.5
−1
−1.5
−2

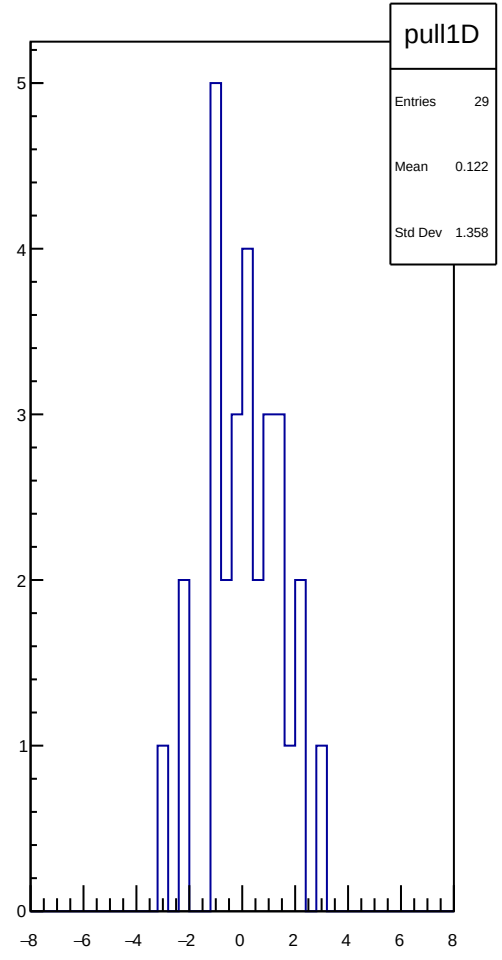

pull1D
Entries 29
Mean 0.05609
Std Dev 0.8311
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

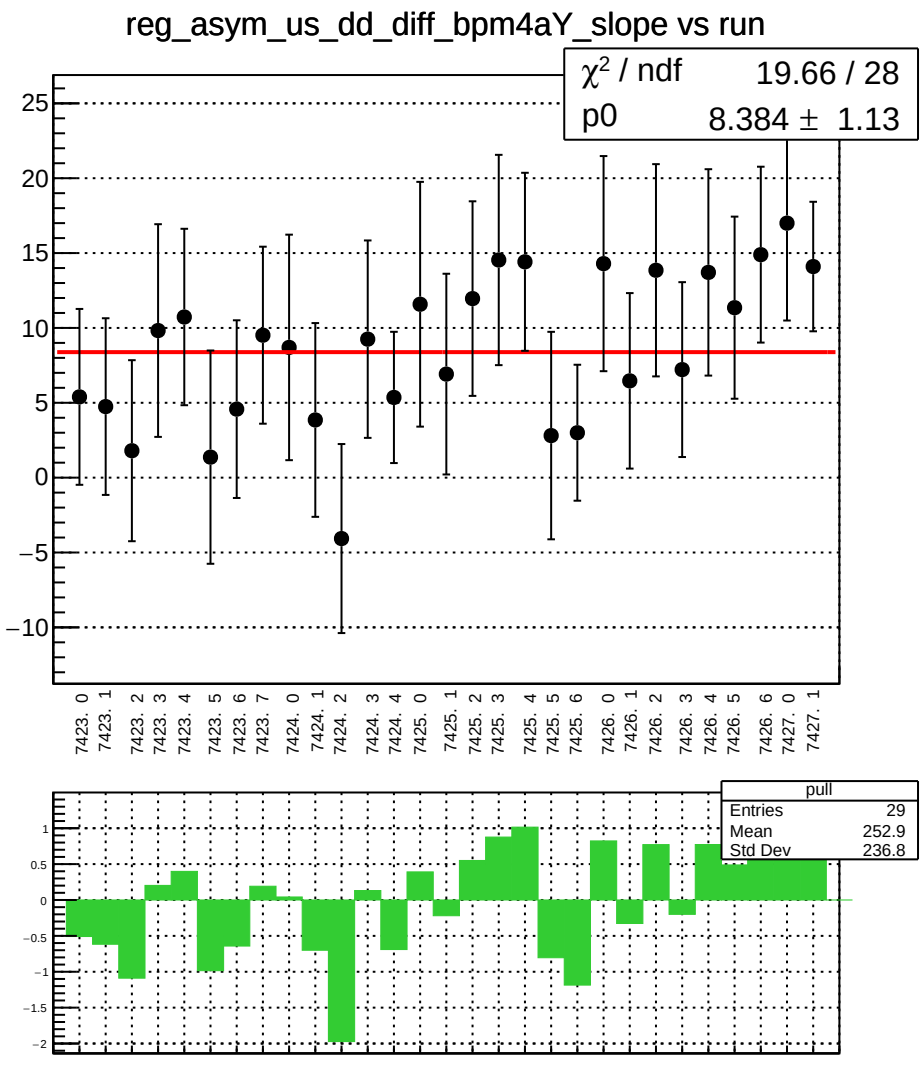

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.717 / 28
p0 15.32 ± 1.932
40
30
20
10
0
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −1326
Std Dev 1342
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.001004
Std Dev 0.5789
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

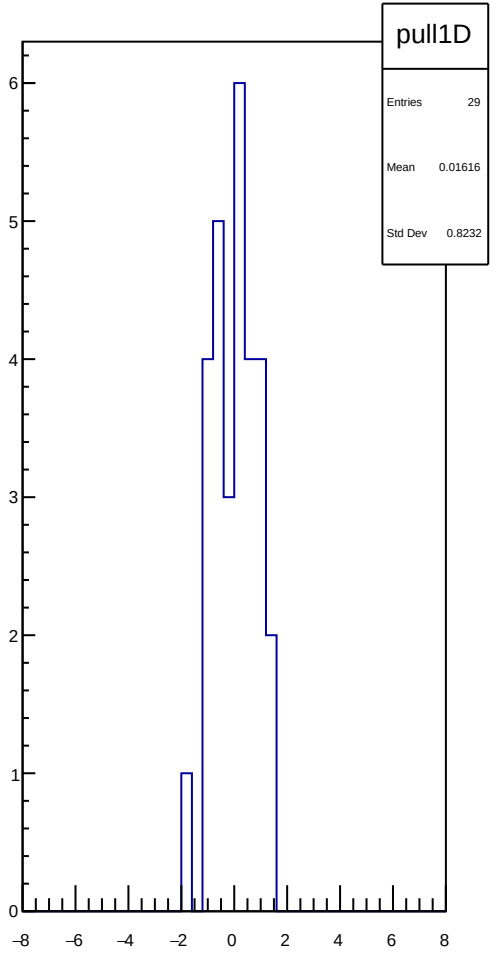

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 11 / 28
p0 −35.76 ± 0.08417
−34.5
−35
−35.5
−36
−36.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 38.75
Std Dev 30.58
1
0.5
0
−0.5
−1

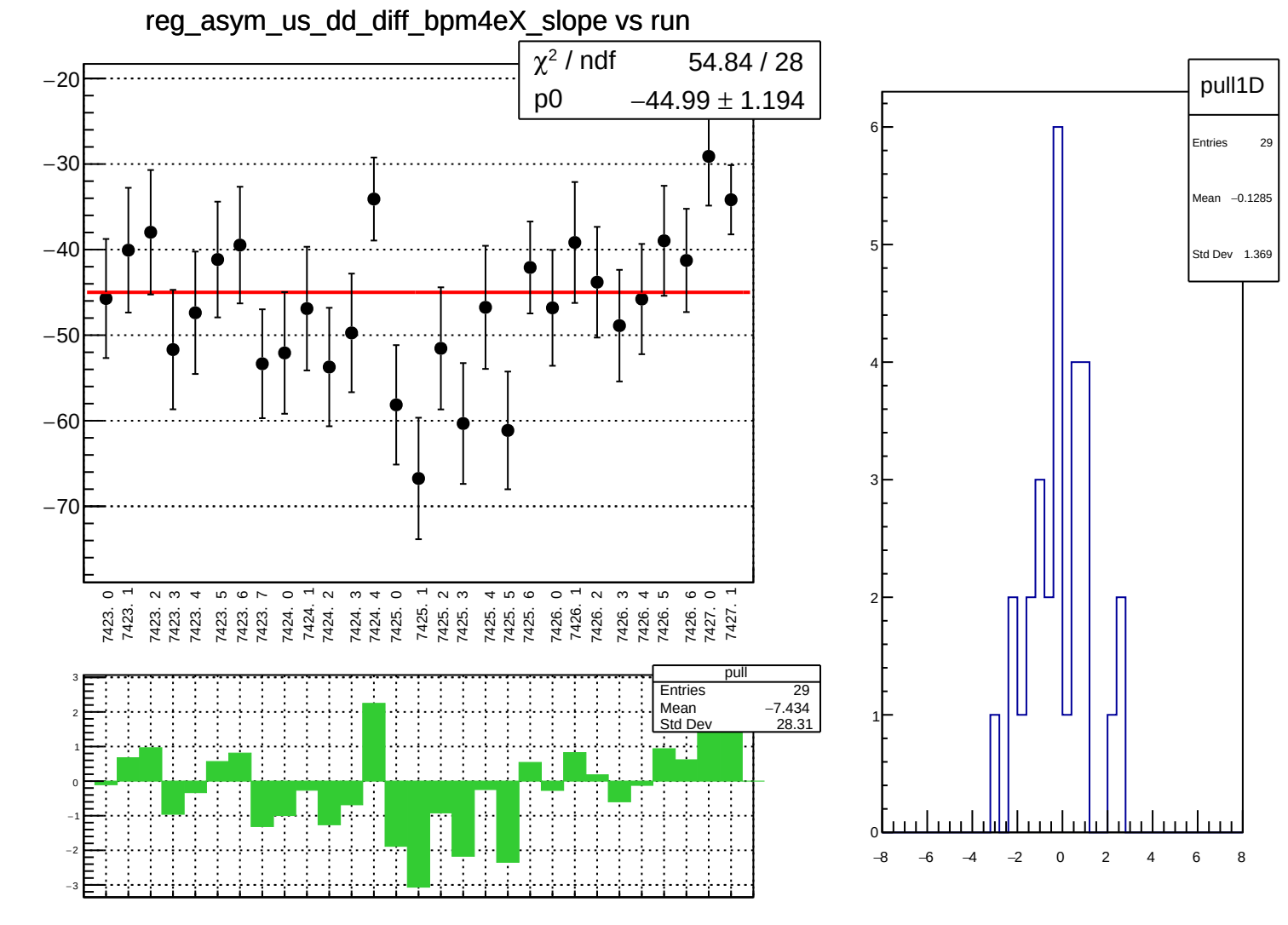

pull1D
Entries 29
Mean −0.006072
Std Dev 0.6159
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

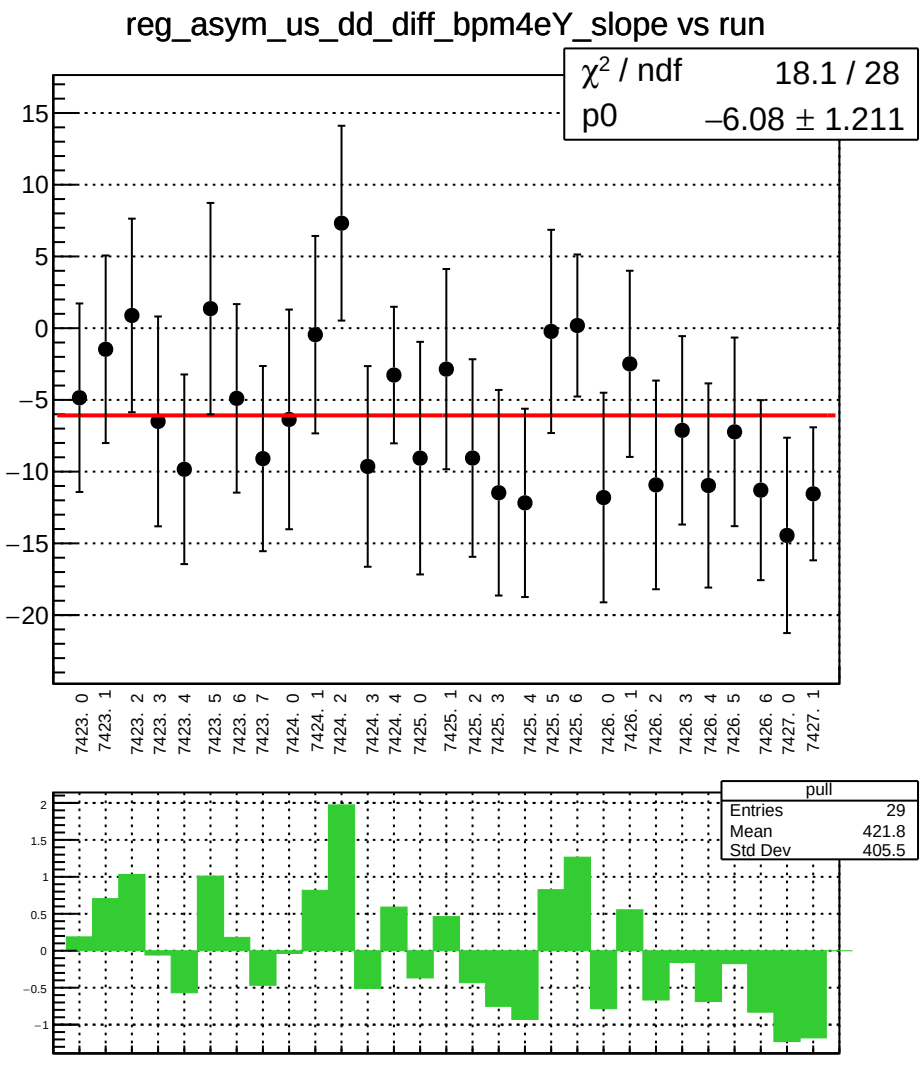

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 53.9 / 28
p0 −10.62 ± 1.144
20
10
0
−10
−20
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −6.571
Std Dev 27.51
3
2
1
0
−1
−2
−3

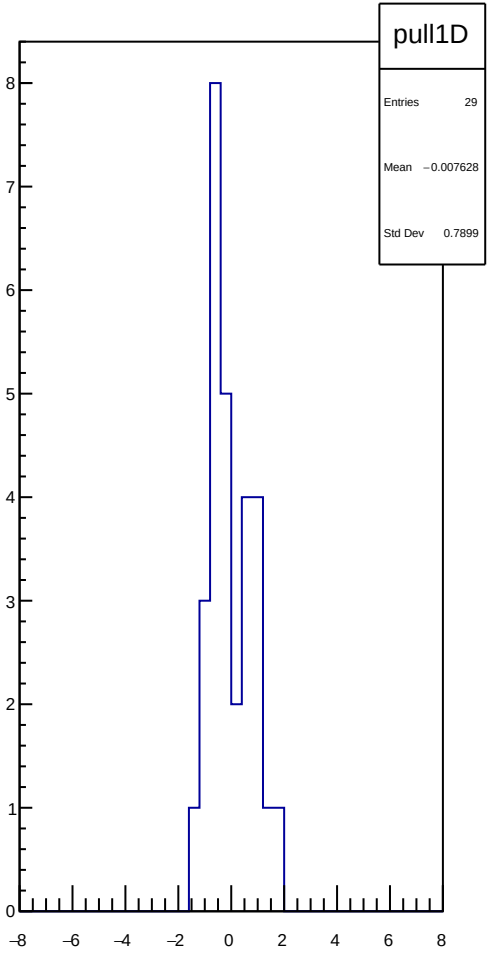

pull1D
Entries 29
Mean 0.122
Std Dev 1.358
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

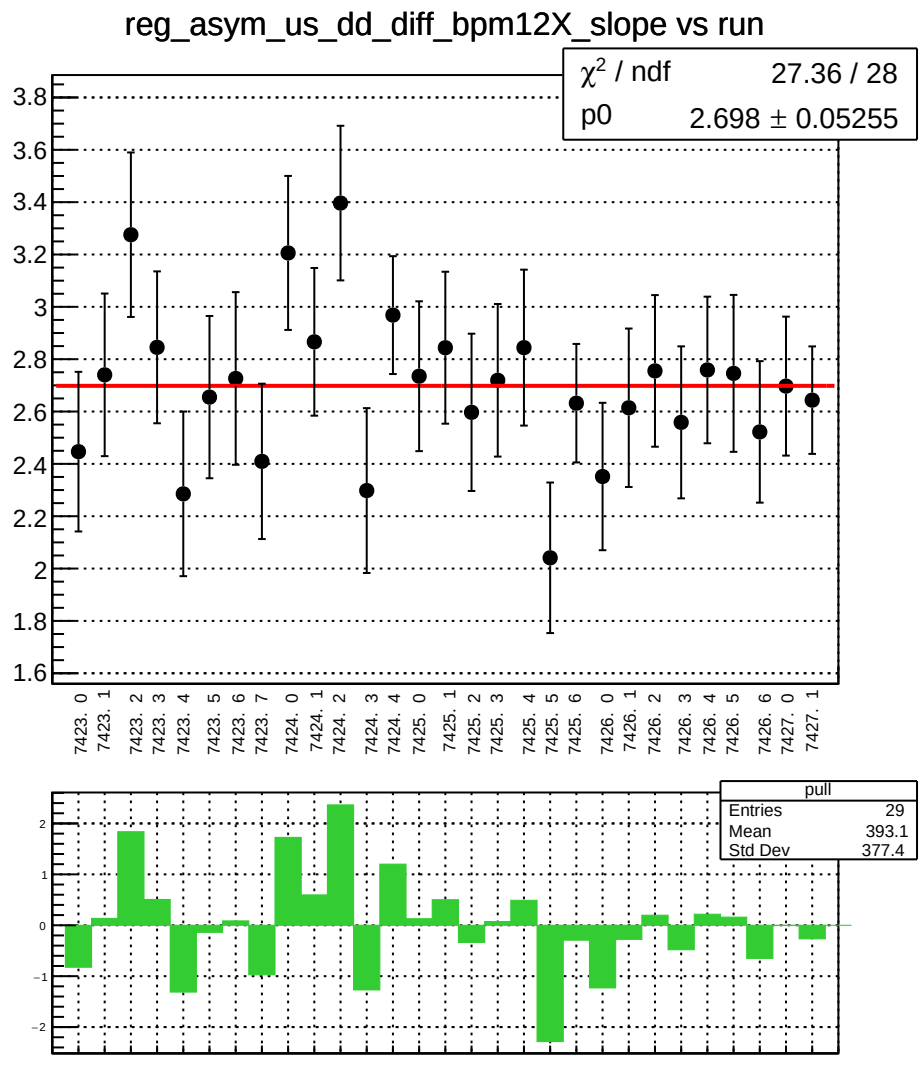

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.66 / 28
p0 8.384 ± 1.13
25
20
15
10
5
0
−5
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 252.9
Std Dev 236.8
1
0.5
0
−0.5
−1
−1.5
−2

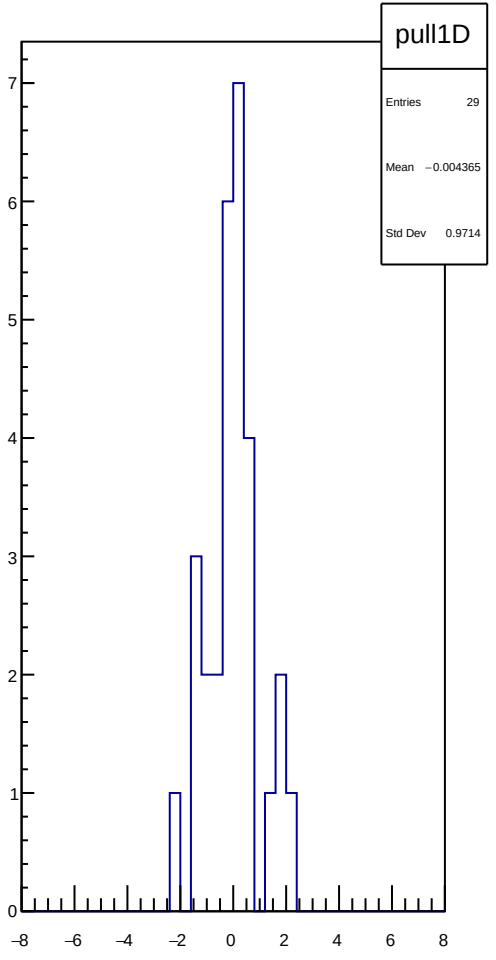

pull1D
Entries 29
Mean 0.01616
Std Dev 0.8232
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

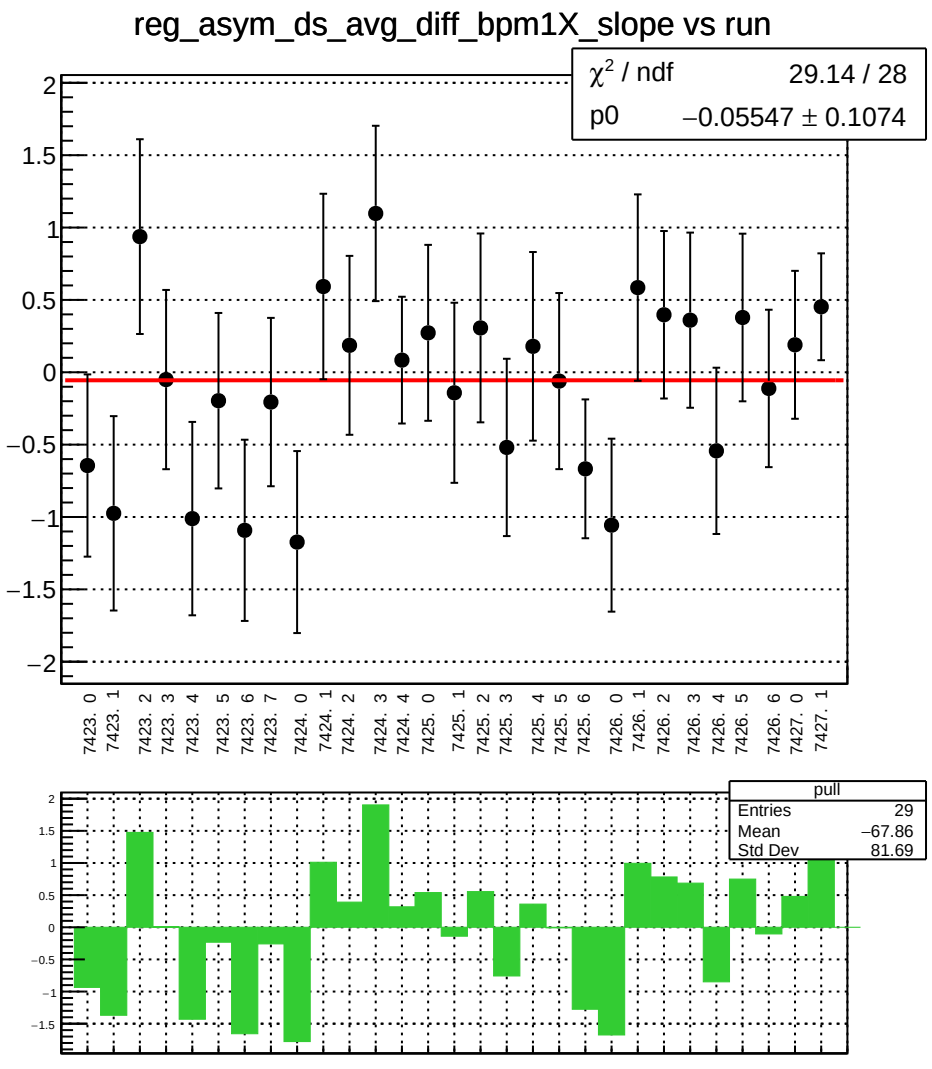

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.84 / 28
p0 −44.99 ± 1.194
−20
−30
−40
−50
−60
−70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −7.434
Std Dev 28.31
3
2
1
0
−1
−2
−3
pull1D
Entries 29
Mean −0.1285
Std Dev 1.369
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

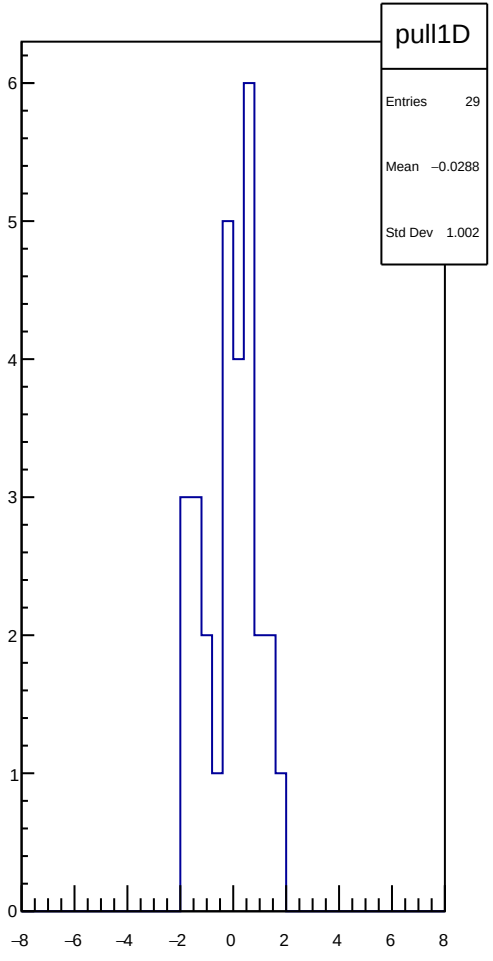

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.1 / 28
p0 −6.08 ± 1.211
15
10
5
0
−5
−10
−15
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 421.8
Std Dev 405.5
2
1.5
1
0.5
0
−0.5
−1

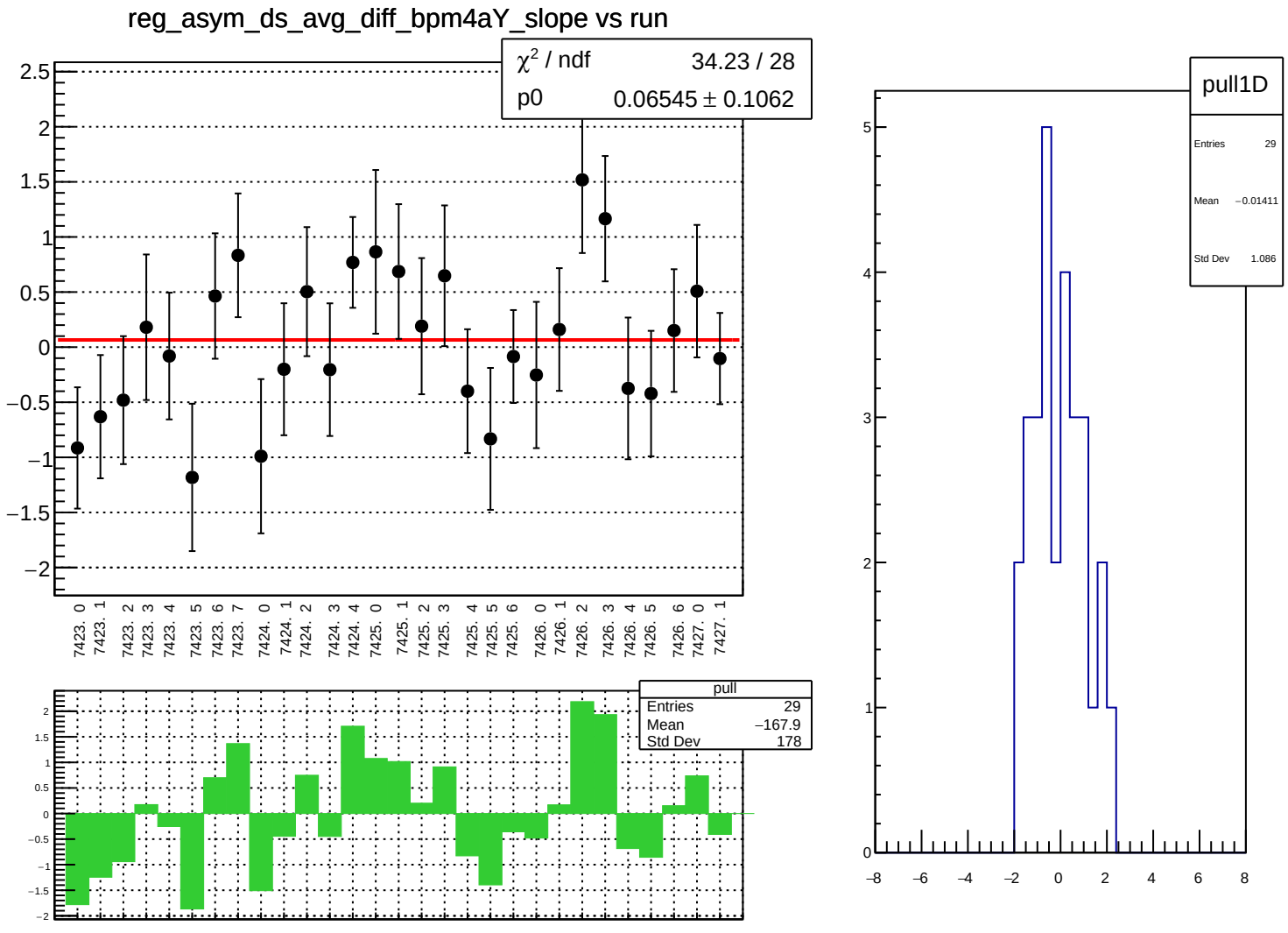

pull1D
Entries 29
Mean −0.007628
Std Dev 0.7899
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

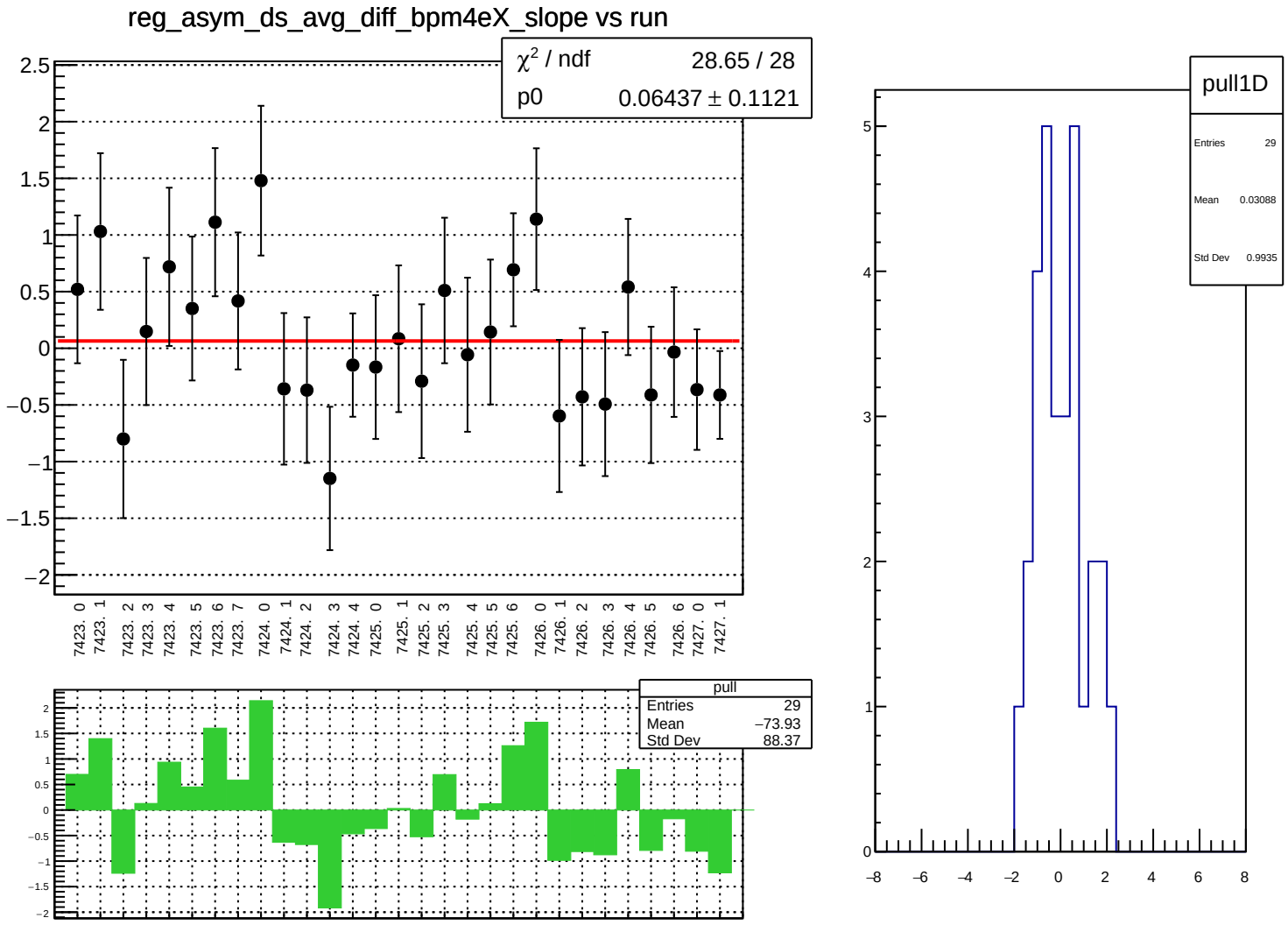

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 27.36 / 28
p0 2.698 ± 0.05255
3.8
3.6
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 393.1
Std Dev 377.4
2
1
0
−1
−2

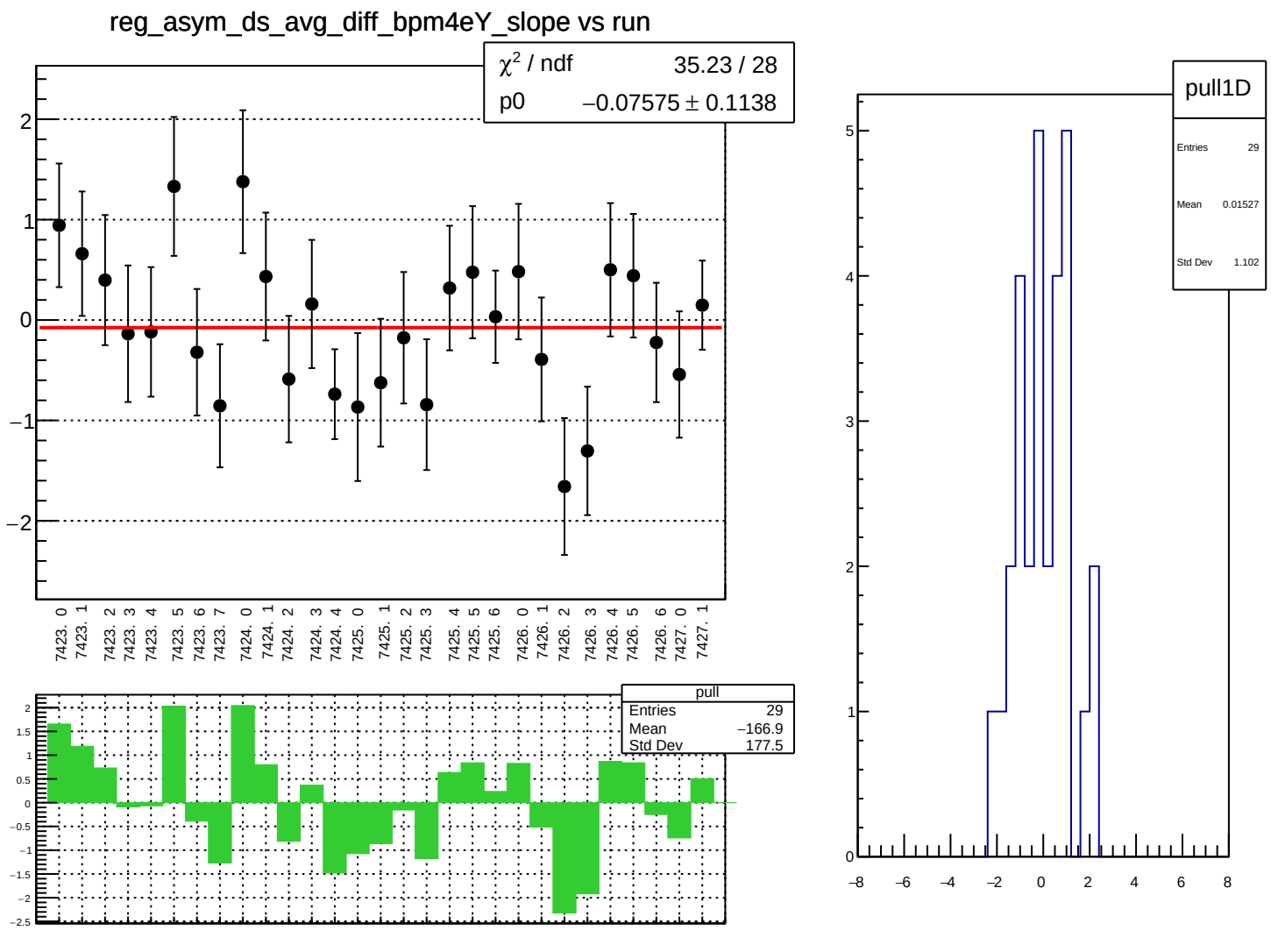

pull1D
Entries 29
Mean −0.004365
Std Dev 0.9714
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

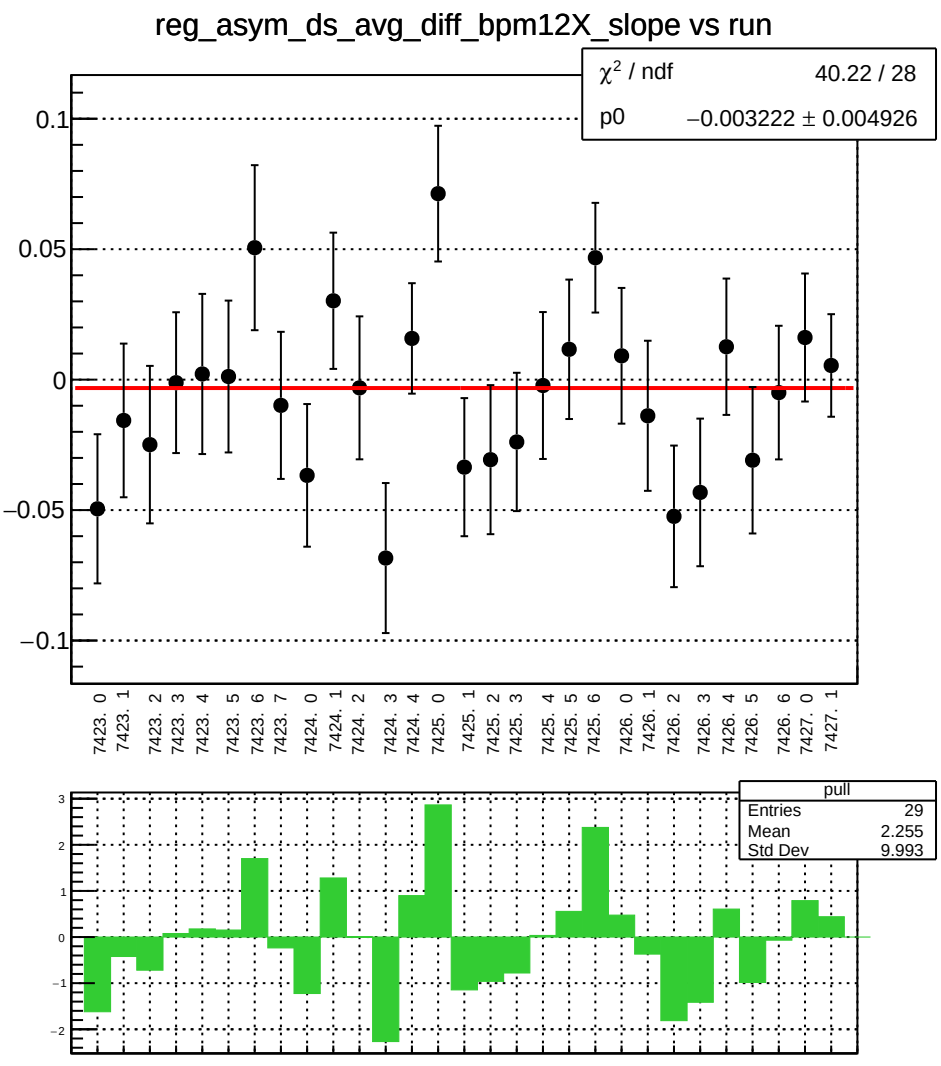

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 29.14 / 28
p0 −0.05547 ± 0.1074
pull
Entries 29
Mean −67.86
Std Dev 81.69

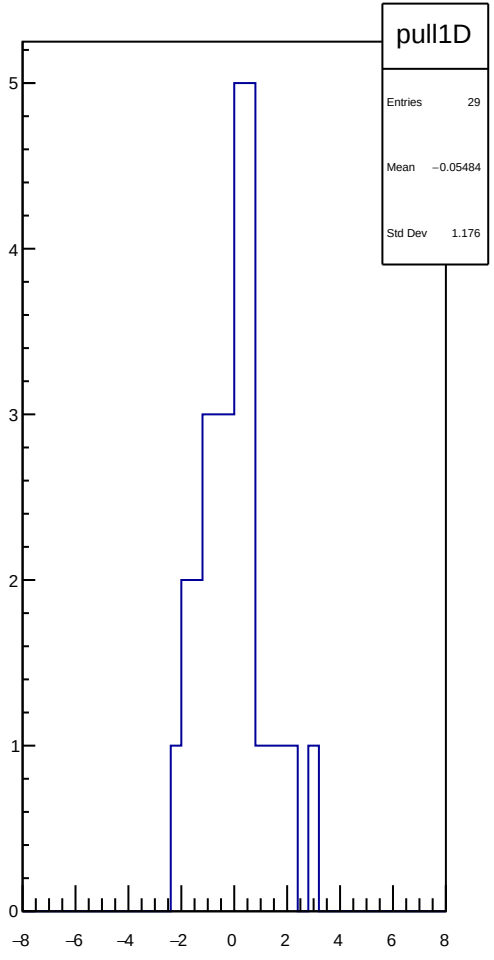

pull1D
Entries 29
Mean −0.0288
Std Dev 1.002

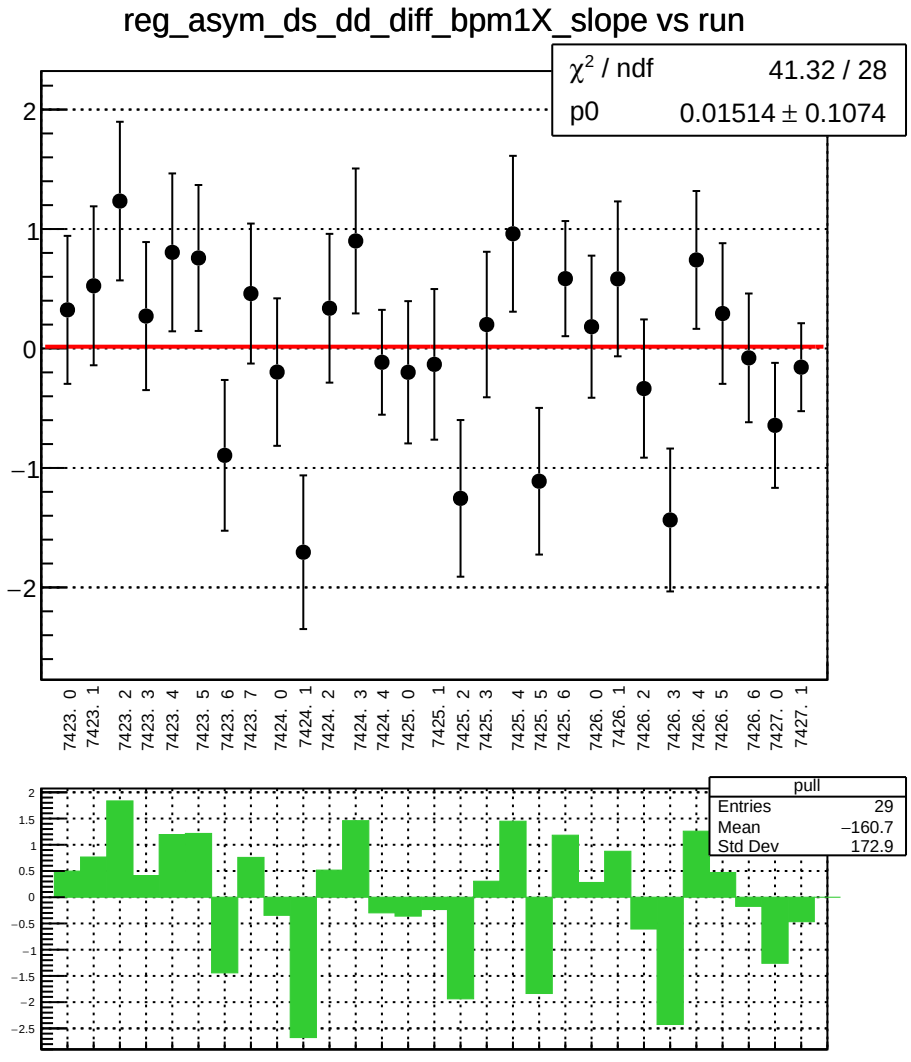

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.23 / 28
p0 0.06545 ± 0.1062
pull
Entries 29
Mean −167.9
Std Dev 178
pull1D
Entries 29
Mean −0.01411
Std Dev 1.086

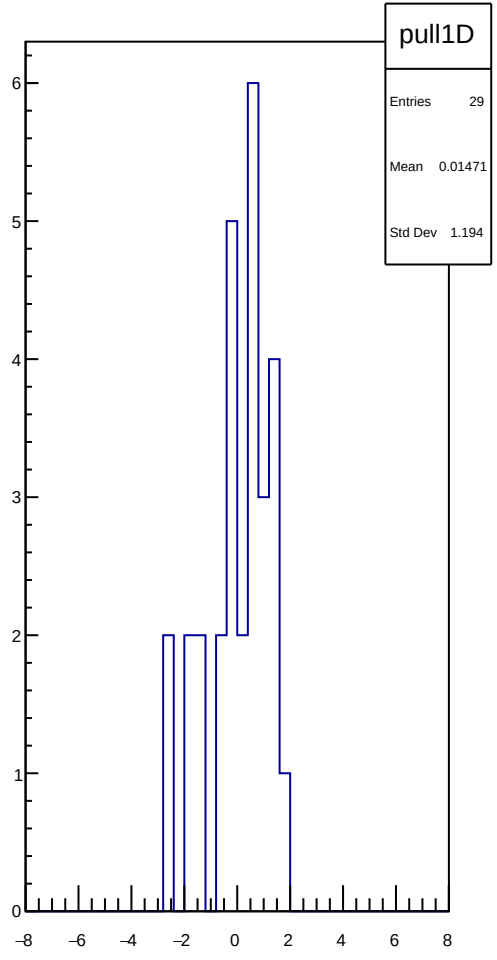

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.65 / 28
p0 0.06437 ± 0.1121
pull
Entries 29
Mean −73.93
Std Dev 88.37
pull1D
Entries 29
Mean 0.03088
Std Dev 0.9935

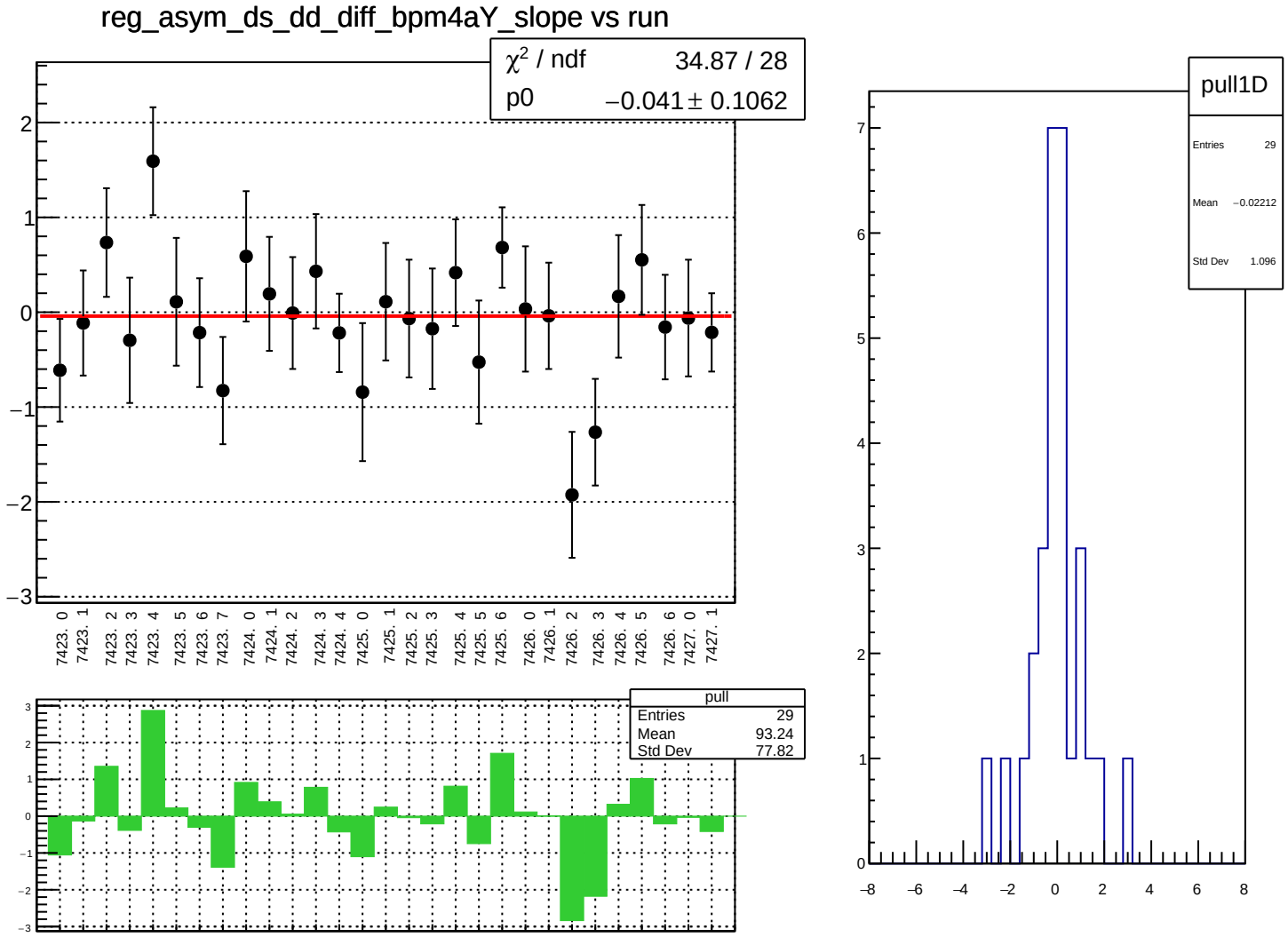

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.23 / 28
p0 −0.07575 ± 0.1138
2
1
0
−1
−2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −166.9
Std Dev 177.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 29
Mean 0.01527
Std Dev 1.102
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

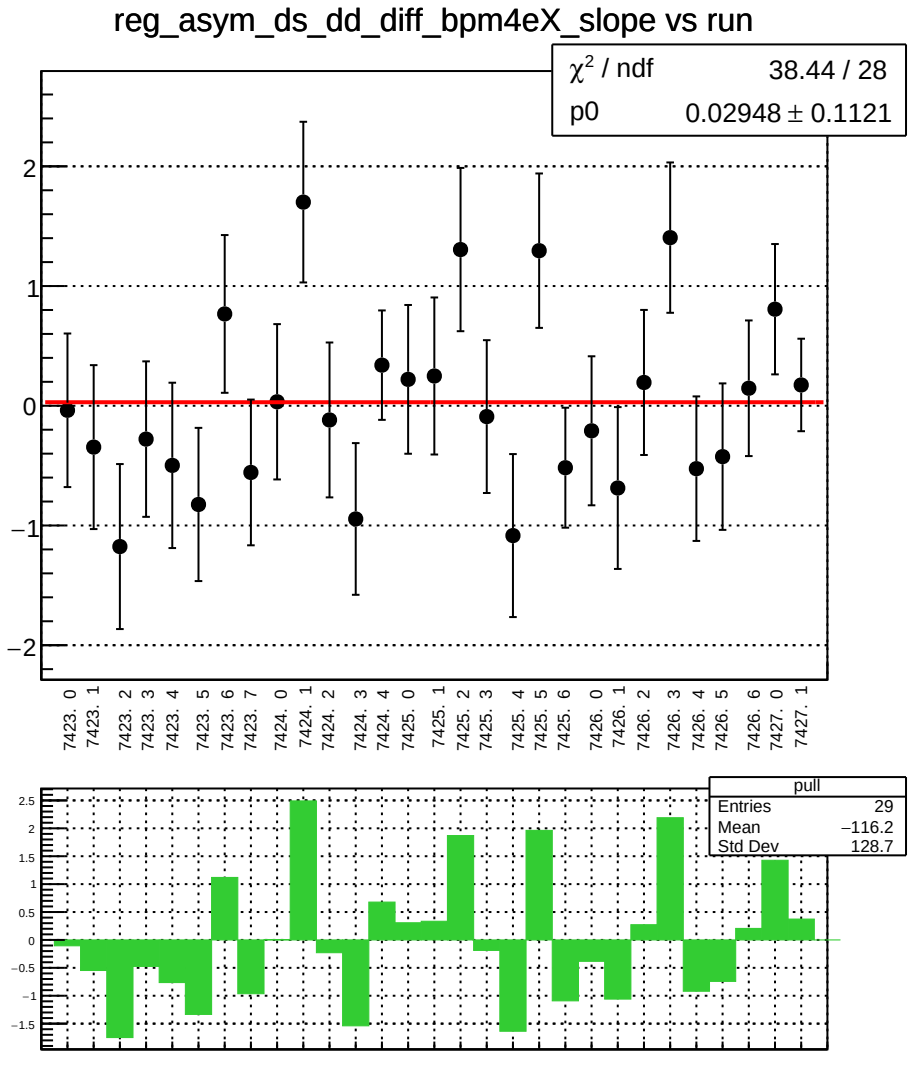

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 40.22 / 28
p0 −0.003222 ± 0.004926
0.1
0.05
0
−0.05
−0.1
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 2.255
Std Dev 9.993
3
2
1
0
−1
−2

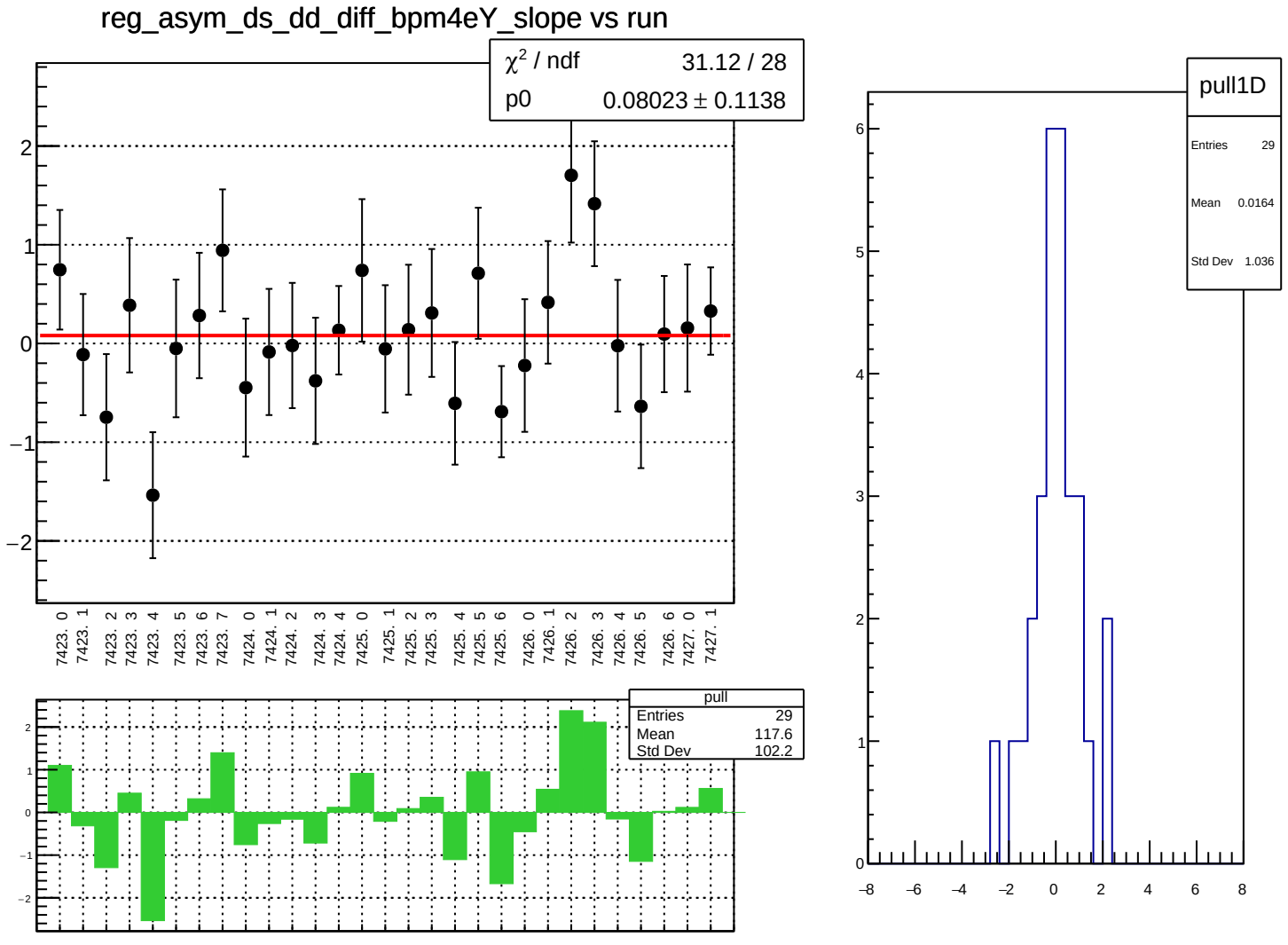

pull1D
Entries 29
Mean −0.05484
Std Dev 1.176
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

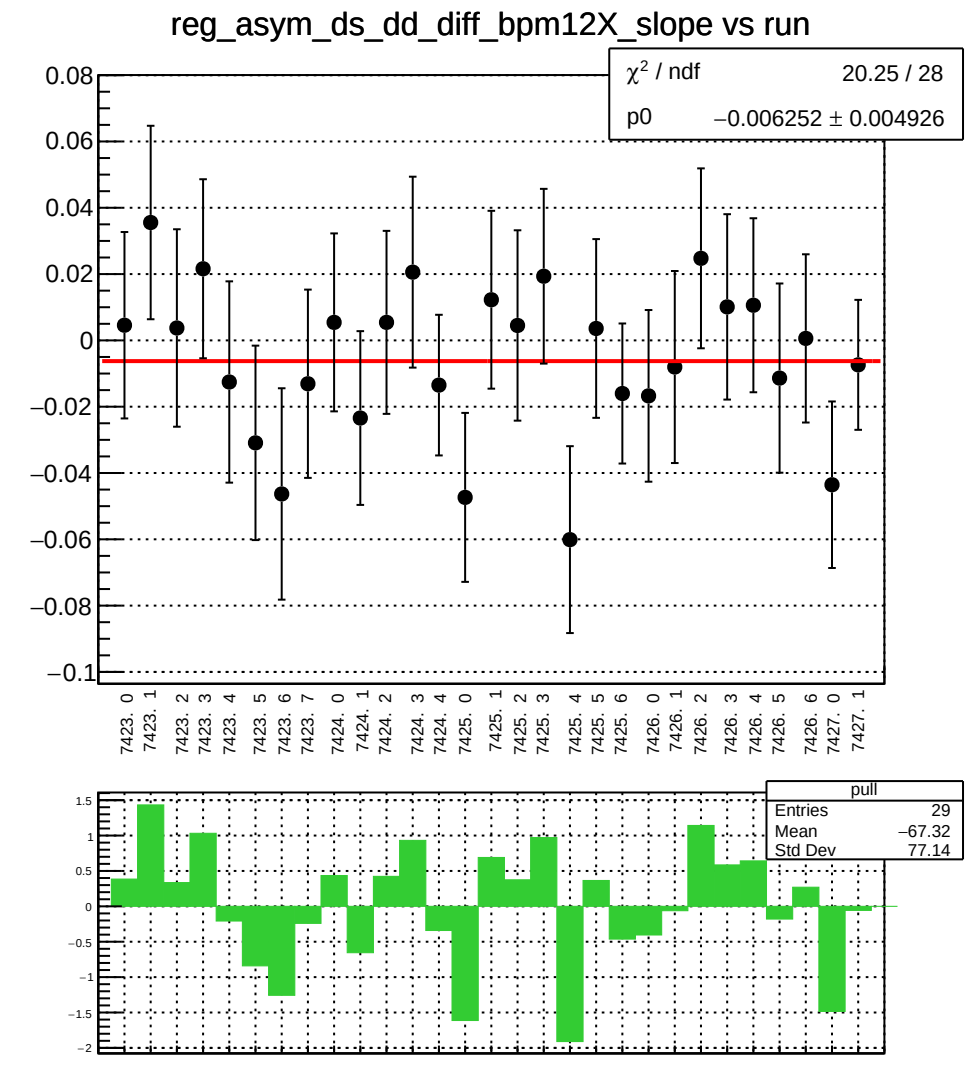

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 41.32 / 28
p0 0.01514 ± 0.1074
pull
Entries 29
Mean −160.7
Std Dev 172.9

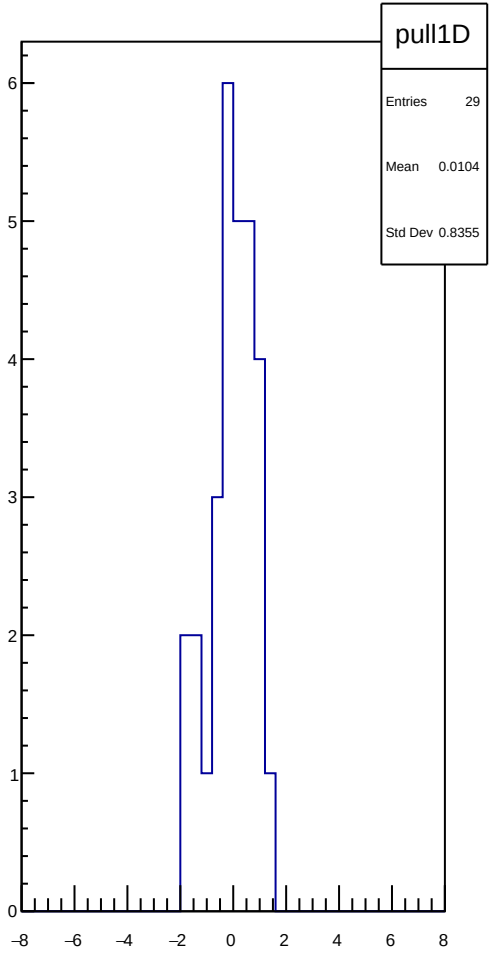

pull1D
Entries 29
Mean 0.01471
Std Dev 1.194

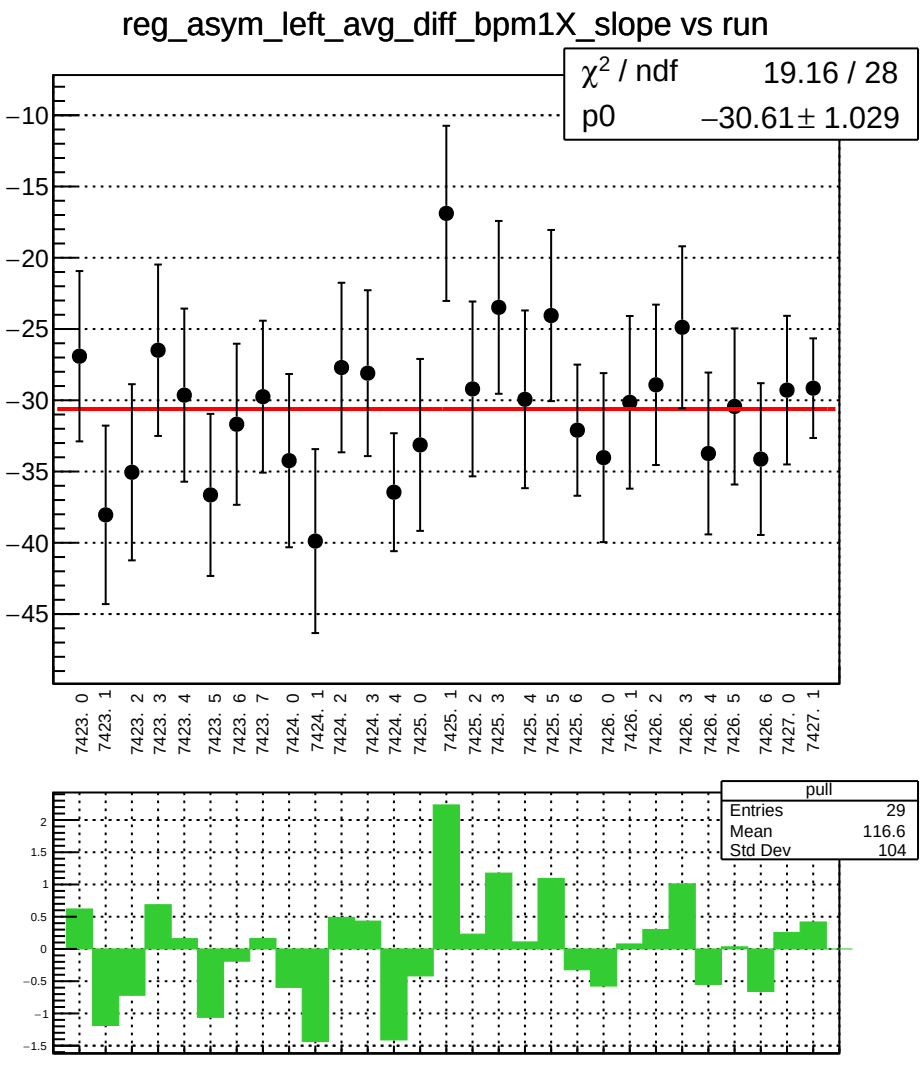

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.87 / 28
p0 −0.041 ± 0.1062
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 93.24
Std Dev 77.82
pull1D
Entries 29
Mean −0.02212
Std Dev 1.096

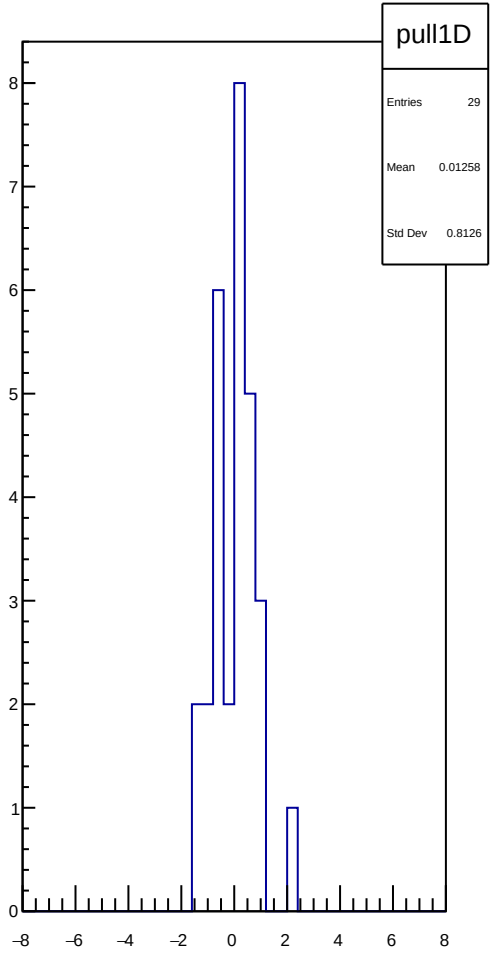

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.44 / 28
p0 0.02948 ± 0.1121
2
1
0
−1
−2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −116.2
Std Dev 128.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.01679
Std Dev 1.151
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

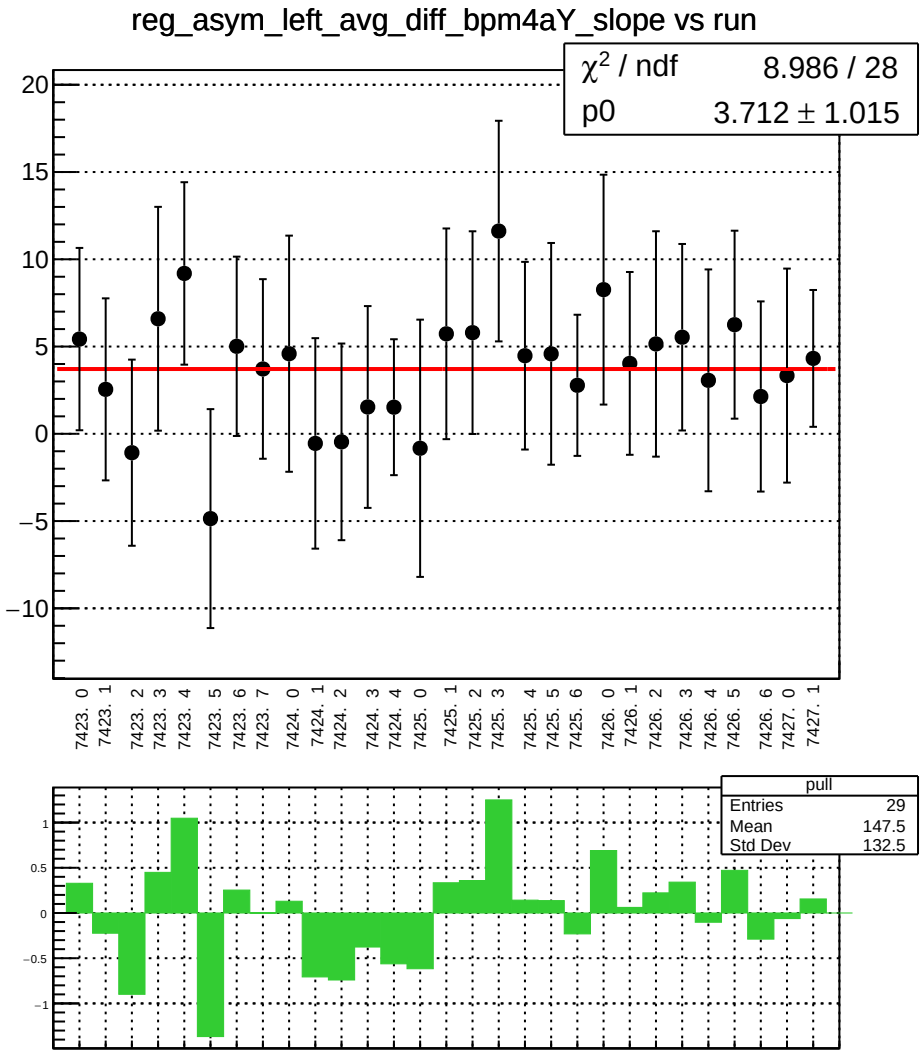

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.12 / 28
p0 0.08023 ± 0.1138
pull
Entries 29
Mean 117.6
Std Dev 102.2
pull1D
Entries 29
Mean 0.0164
Std Dev 1.036

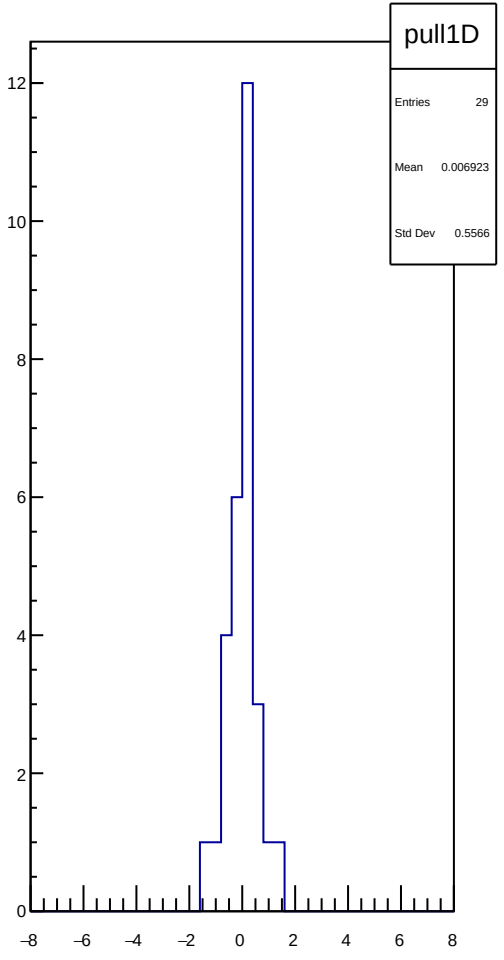

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 20.25 / 28
p0 −0.006252 ± 0.004926
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −67.32
Std Dev 77.14
1.5
1
0.5
0
−0.5
−1
−1.5
−2

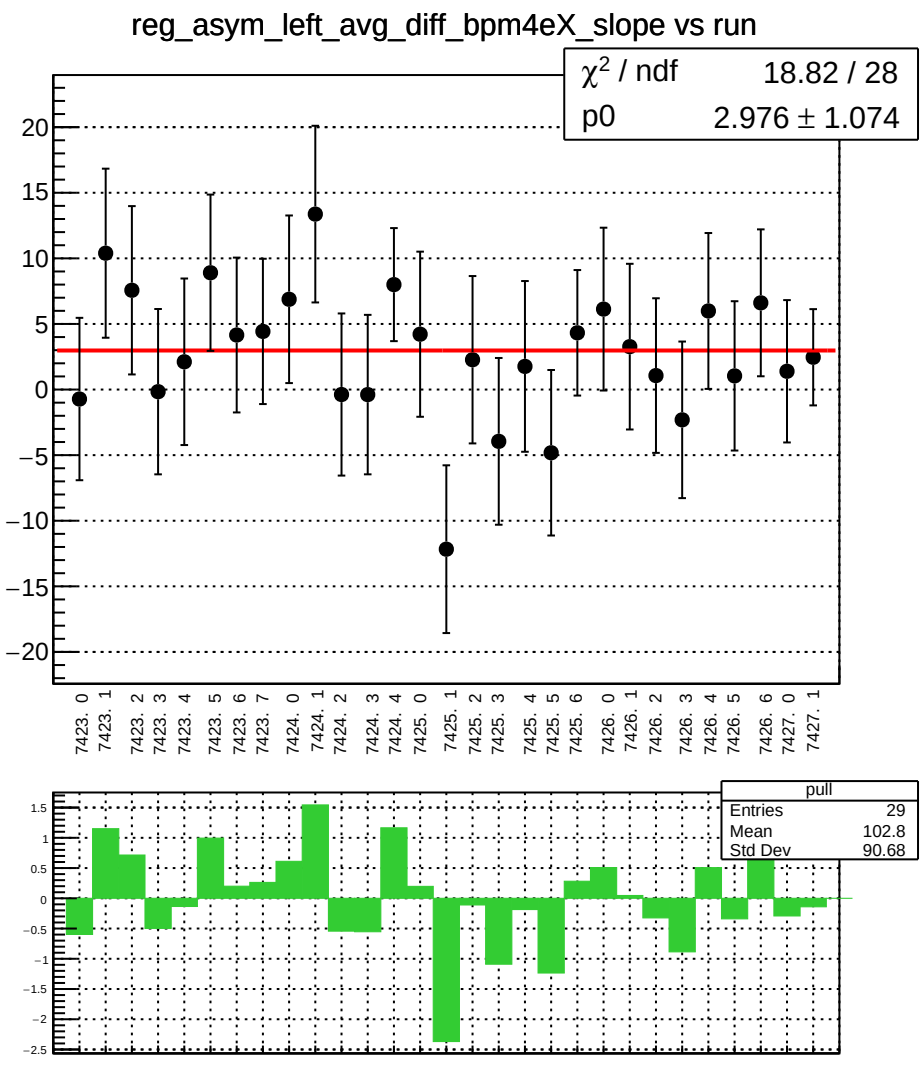

pull1D
Entries 29
Mean 0.0104
Std Dev 0.8355
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

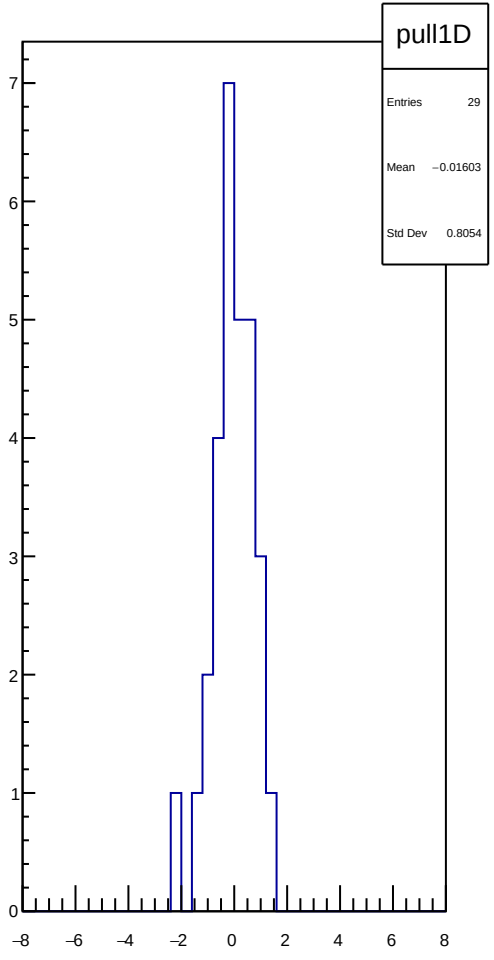

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 19.16 / 28
p0 −30.61± 1.029
−10
−15
−20
−25
−30
−35
−40
−45
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 116.6
Std Dev 104
2
1.5
1
0.5
0
−0.5
−1
−1.5

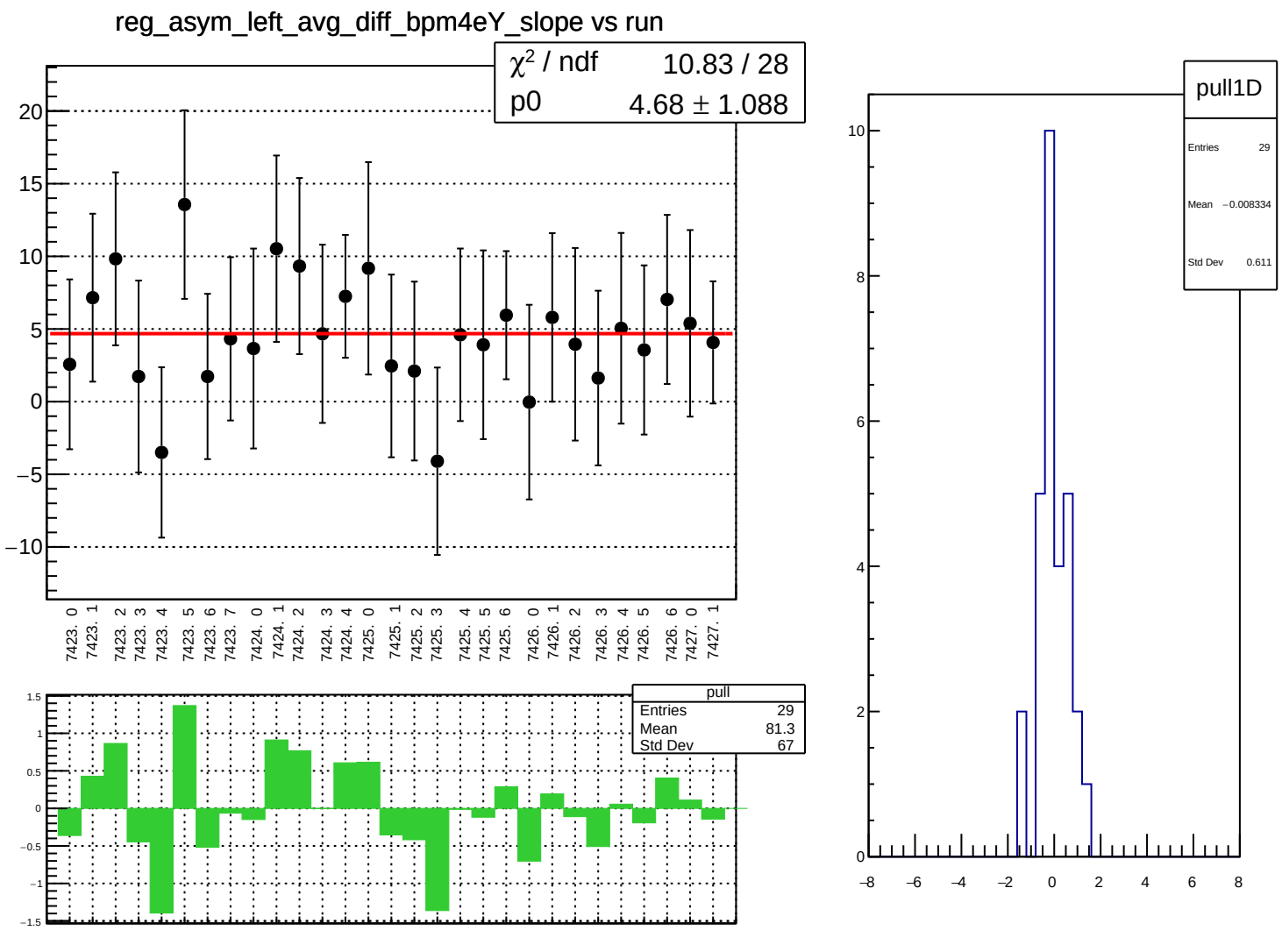

pull1D
Entries 29
Mean 0.01258
Std Dev 0.8126
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

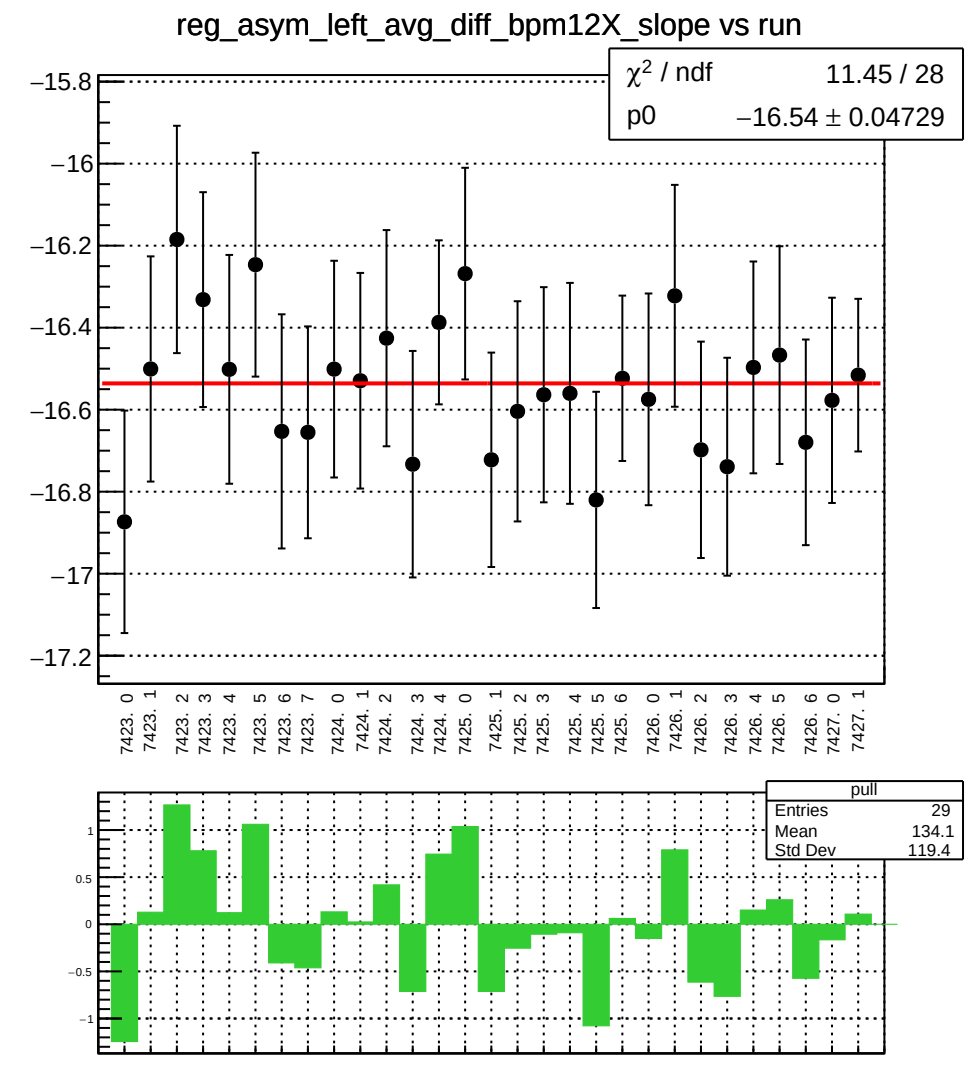

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.986 / 28
p0 3.712 ± 1.015
pull
Entries 29
Mean 147.5
Std Dev 132.5

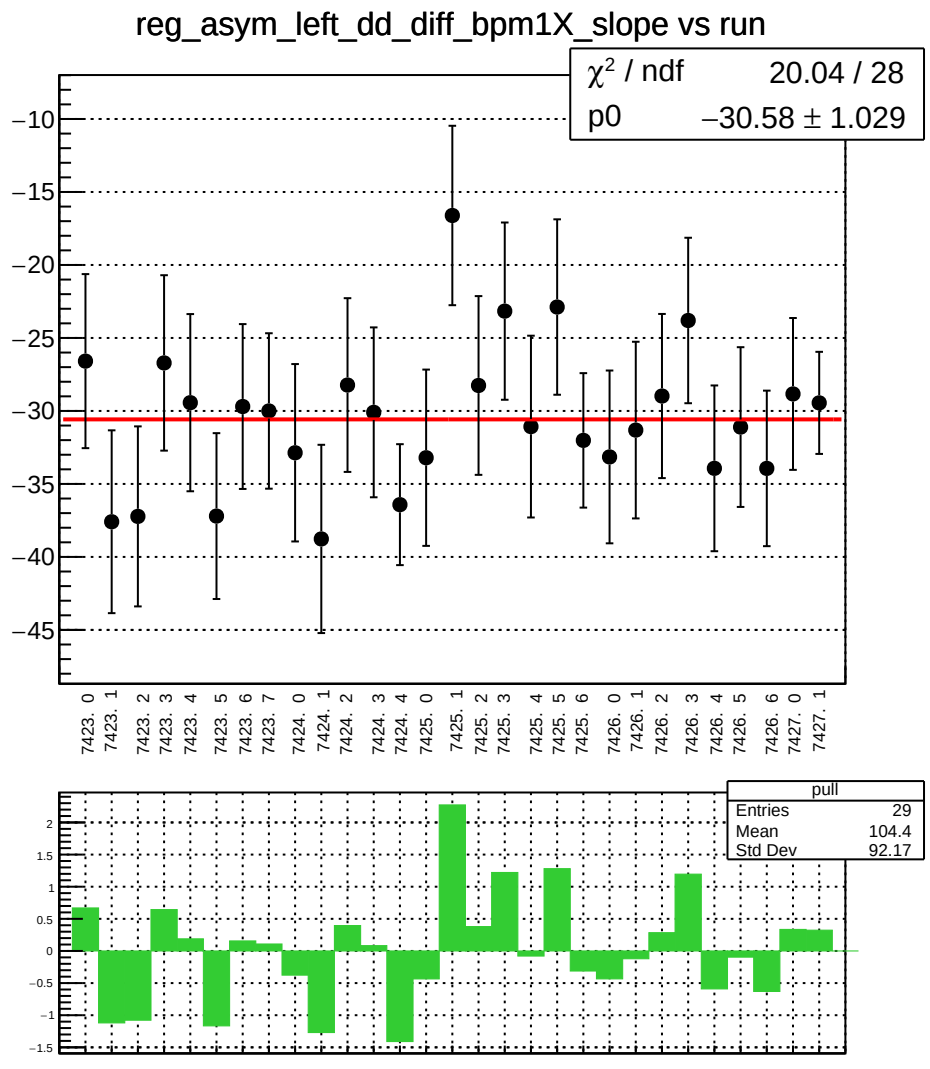

pull1D
Entries 29
Mean 0.006923
Std Dev 0.5566

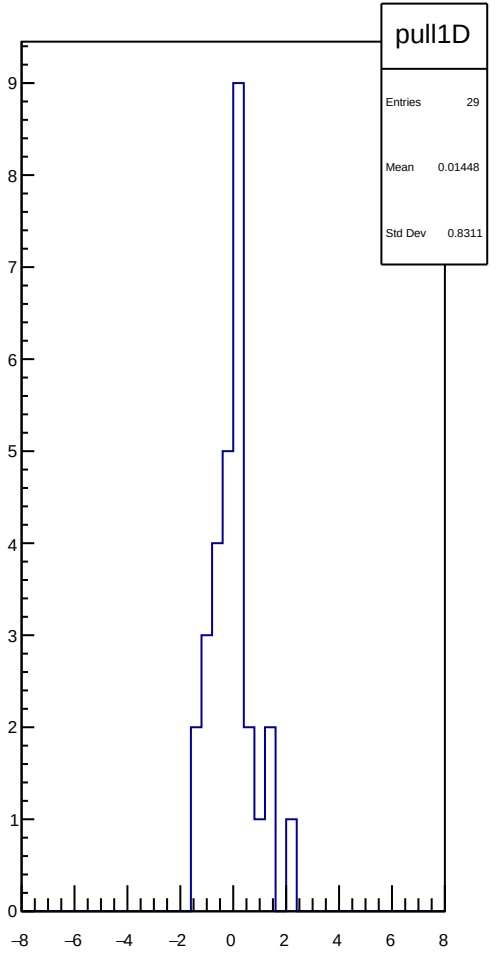

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.82 / 28
p0 2.976 ± 1.074
pull
Entries 29
Mean 102.8
Std Dev 90.68

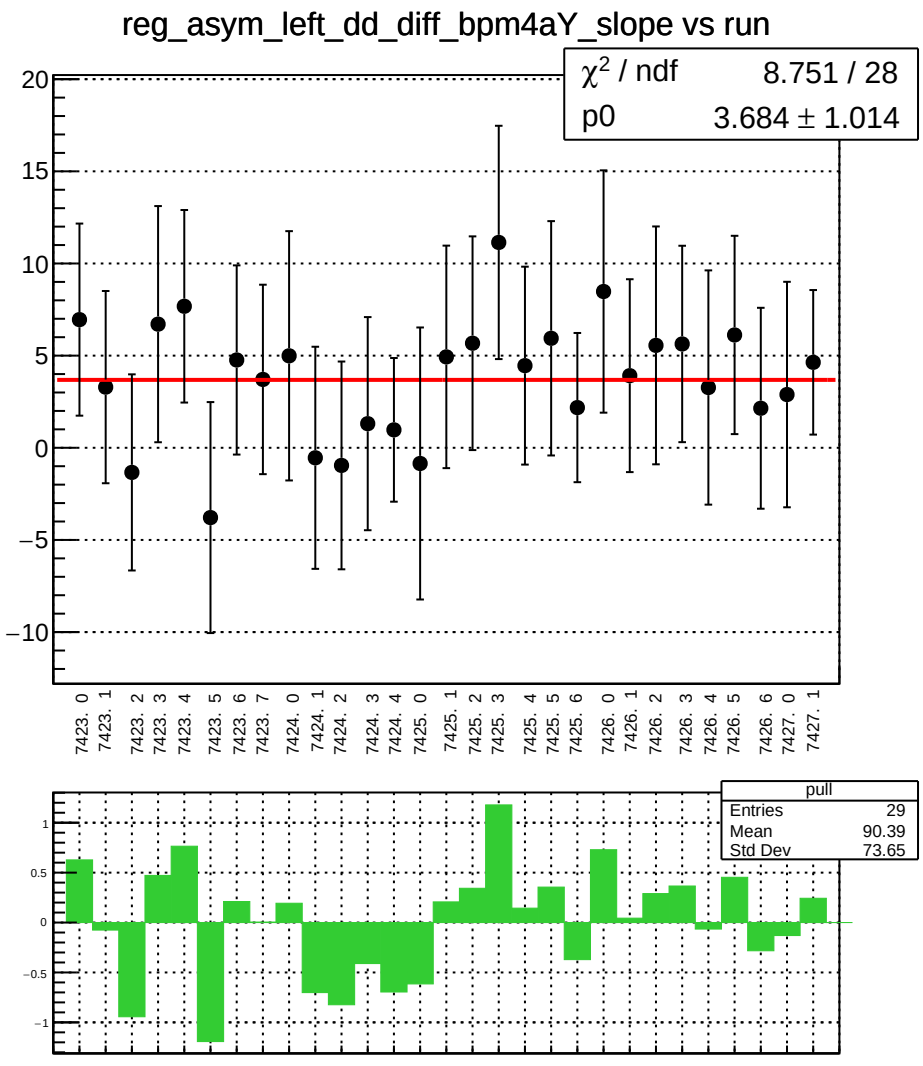

pull1D
Entries 29
Mean −0.01603
Std Dev 0.8054

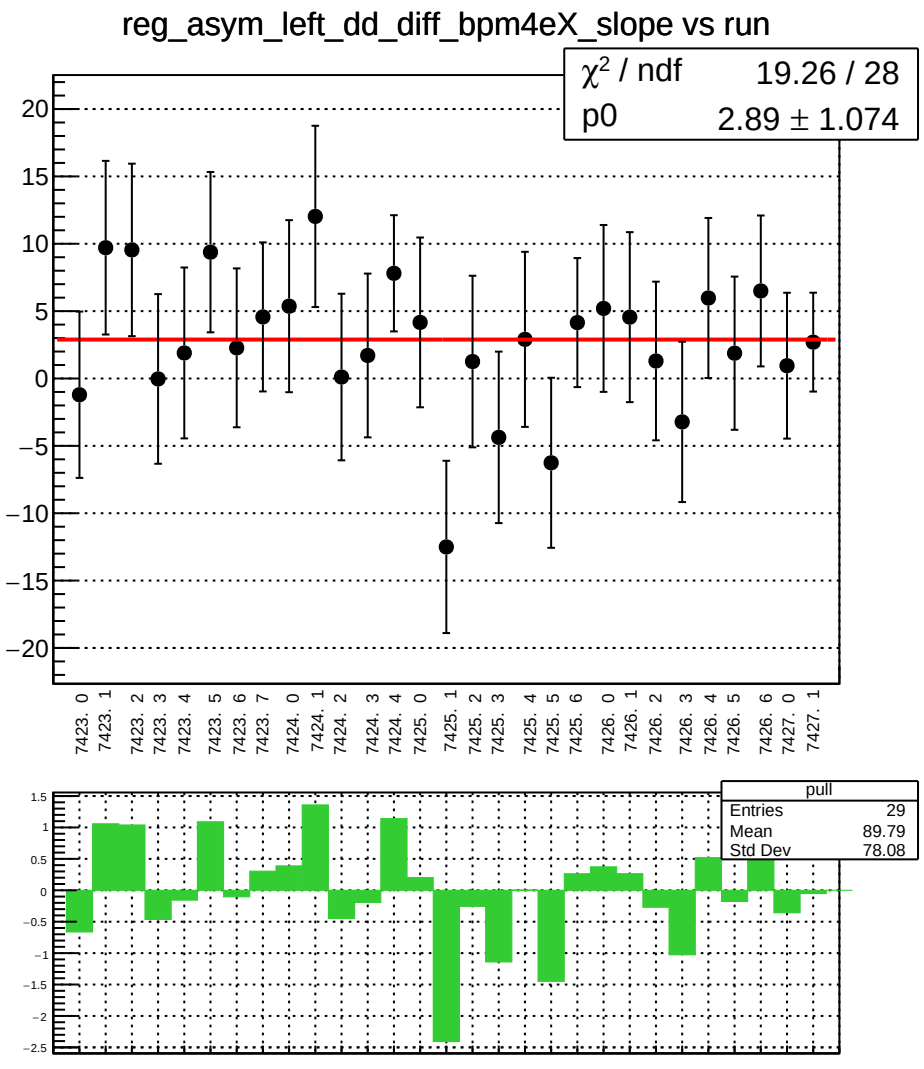

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.83 / 28
p0 4.68 ± 1.088
20
15
10
5
0
−5
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 81.3
Std Dev 67
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.008334
Std Dev 0.611
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

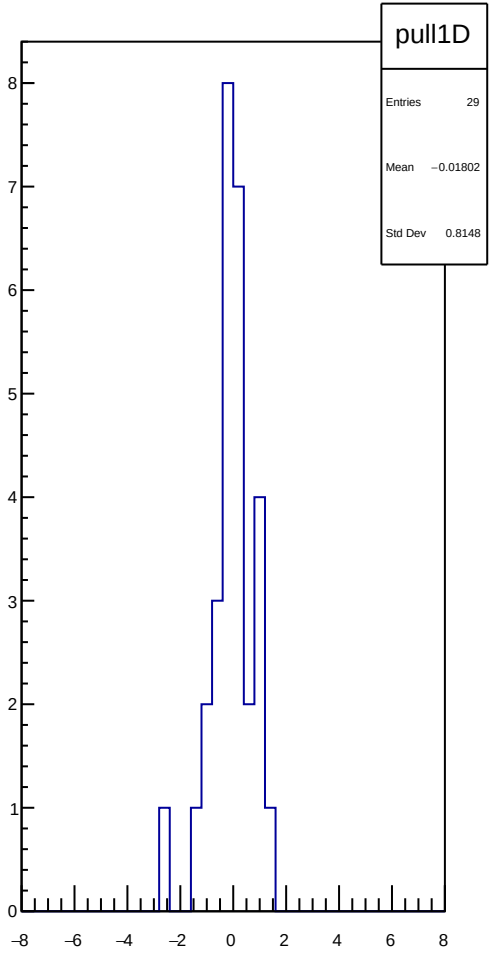

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 11.45 / 28
p0 −16.54 ± 0.04729
−15.8
−16
−16.2
−16.4
−16.6
−16.8
−17
−17.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 134.1
Std Dev 119.4
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.008734
Std Dev 0.6283
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

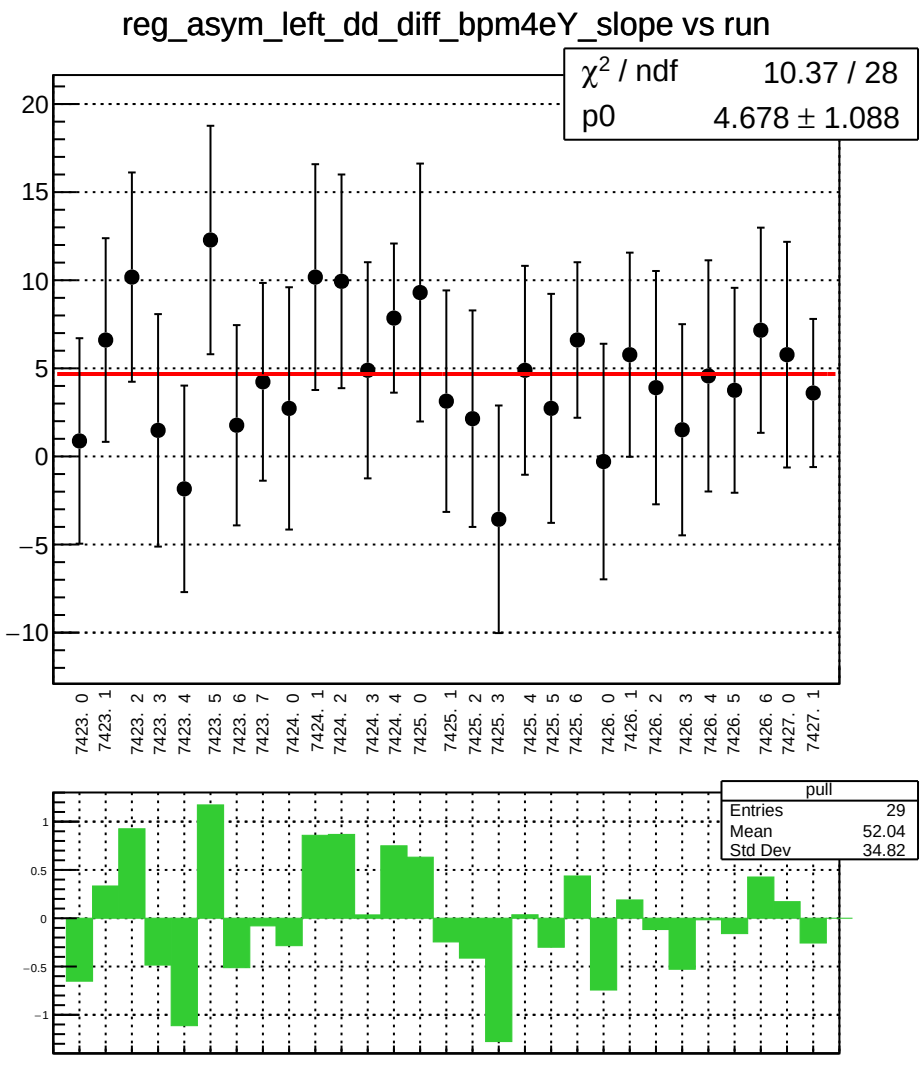

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 20.04 / 28
p0 −30.58 ± 1.029
−10
−15
−20
−25
−30
−35
−40
−45
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 104.4
Std Dev 92.17
2
1.5
1
0.5
0
−0.5
−1
−1.5

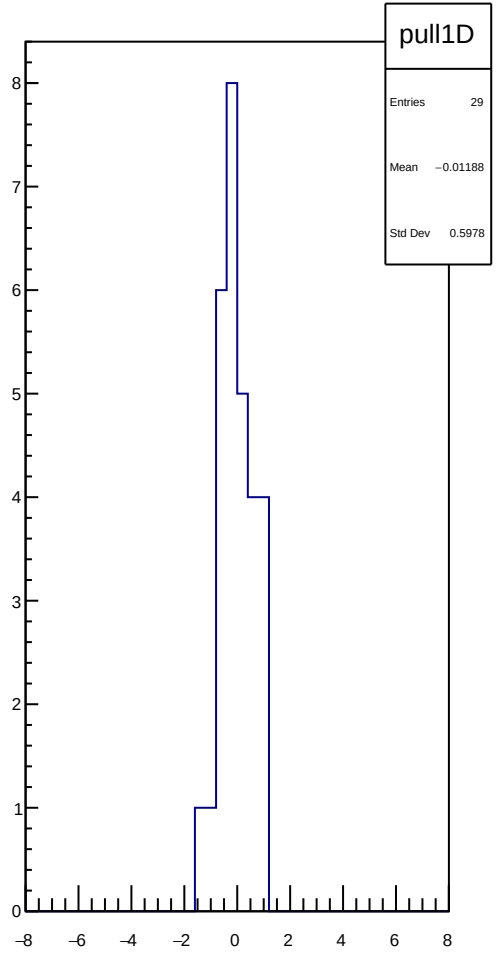

pull1D
Entries 29
Mean 0.01448
Std Dev 0.8311
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

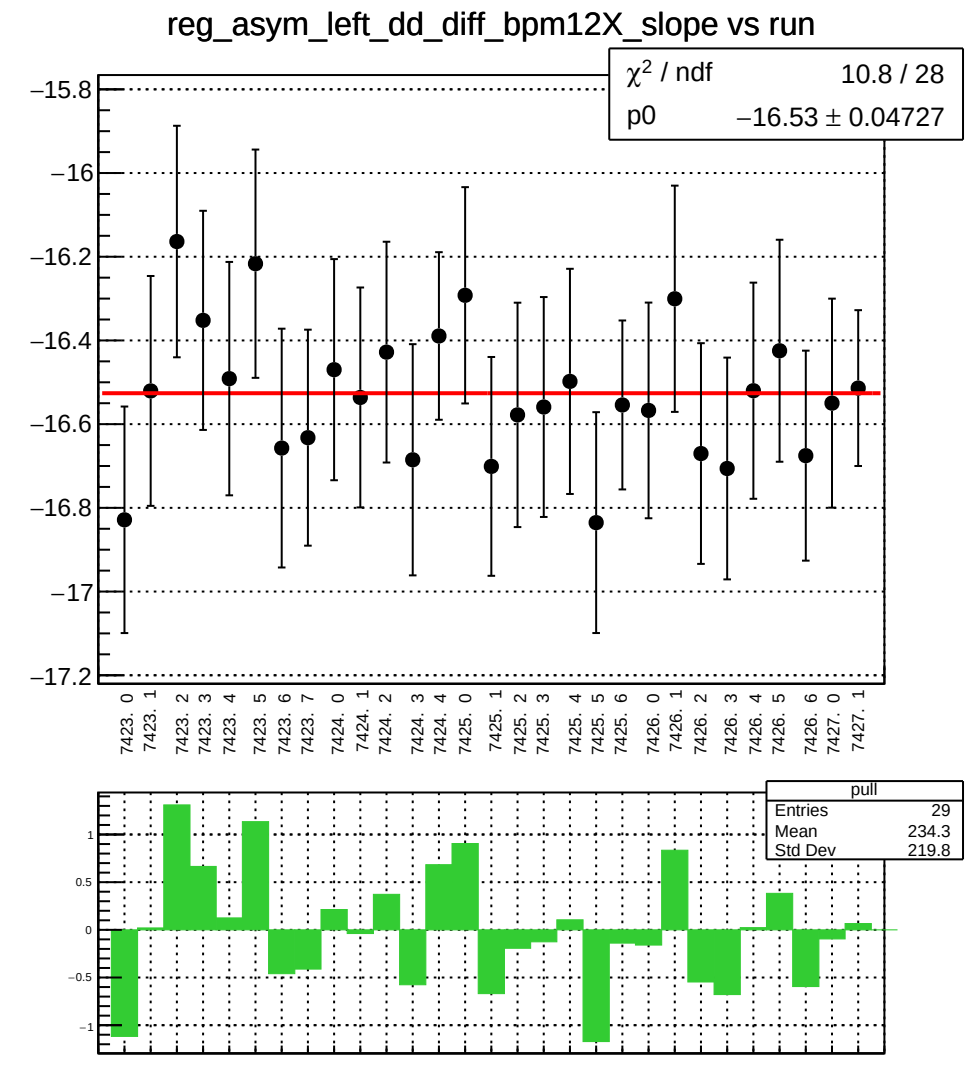

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.751 / 28
p0 3.684 ± 1.014
20
15
10
5
0
−5
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 90.39
Std Dev 73.65
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.011
Std Dev 0.5492
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

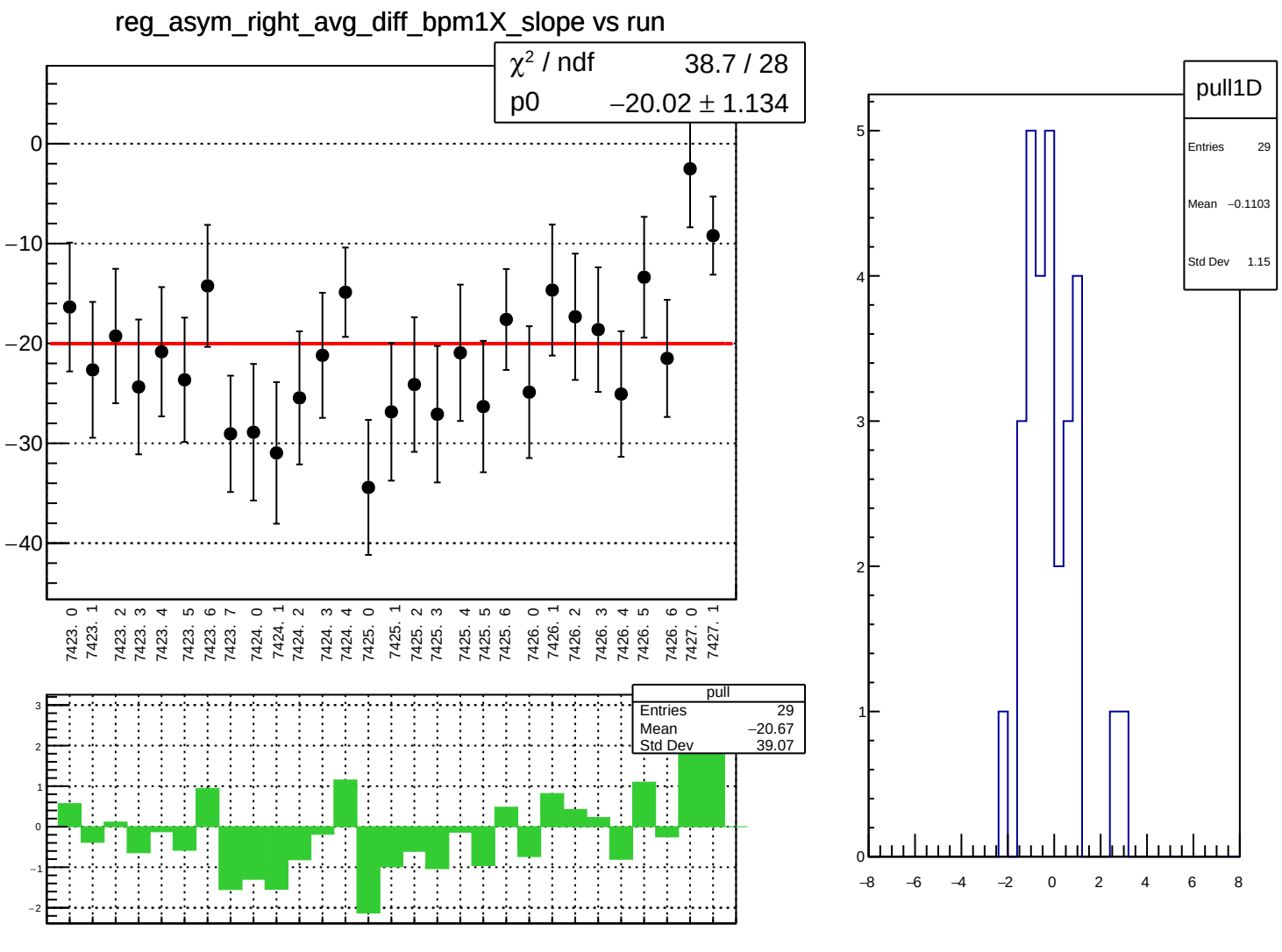

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.26 / 28
p0 2.89 ± 1.074
pull
Entries 29
Mean 89.79
Std Dev 78.08

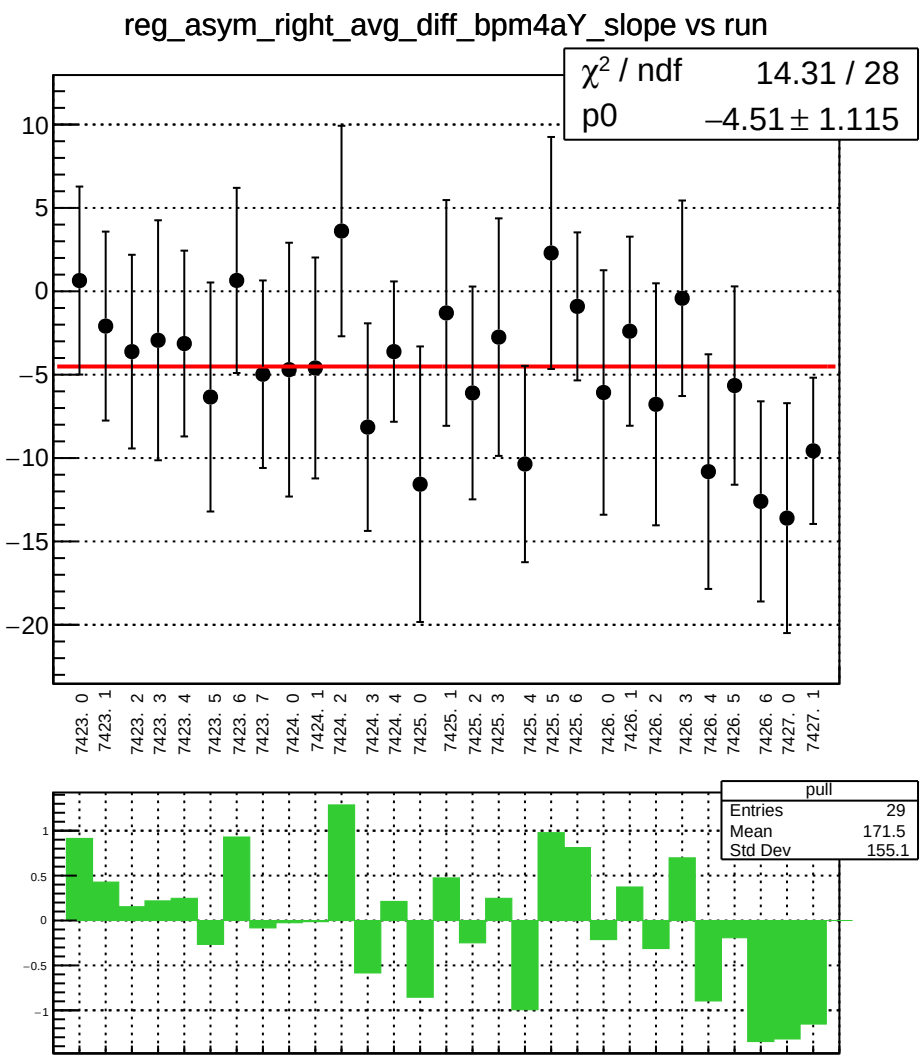

pull1D
Entries 29
Mean −0.01802
Std Dev 0.8148

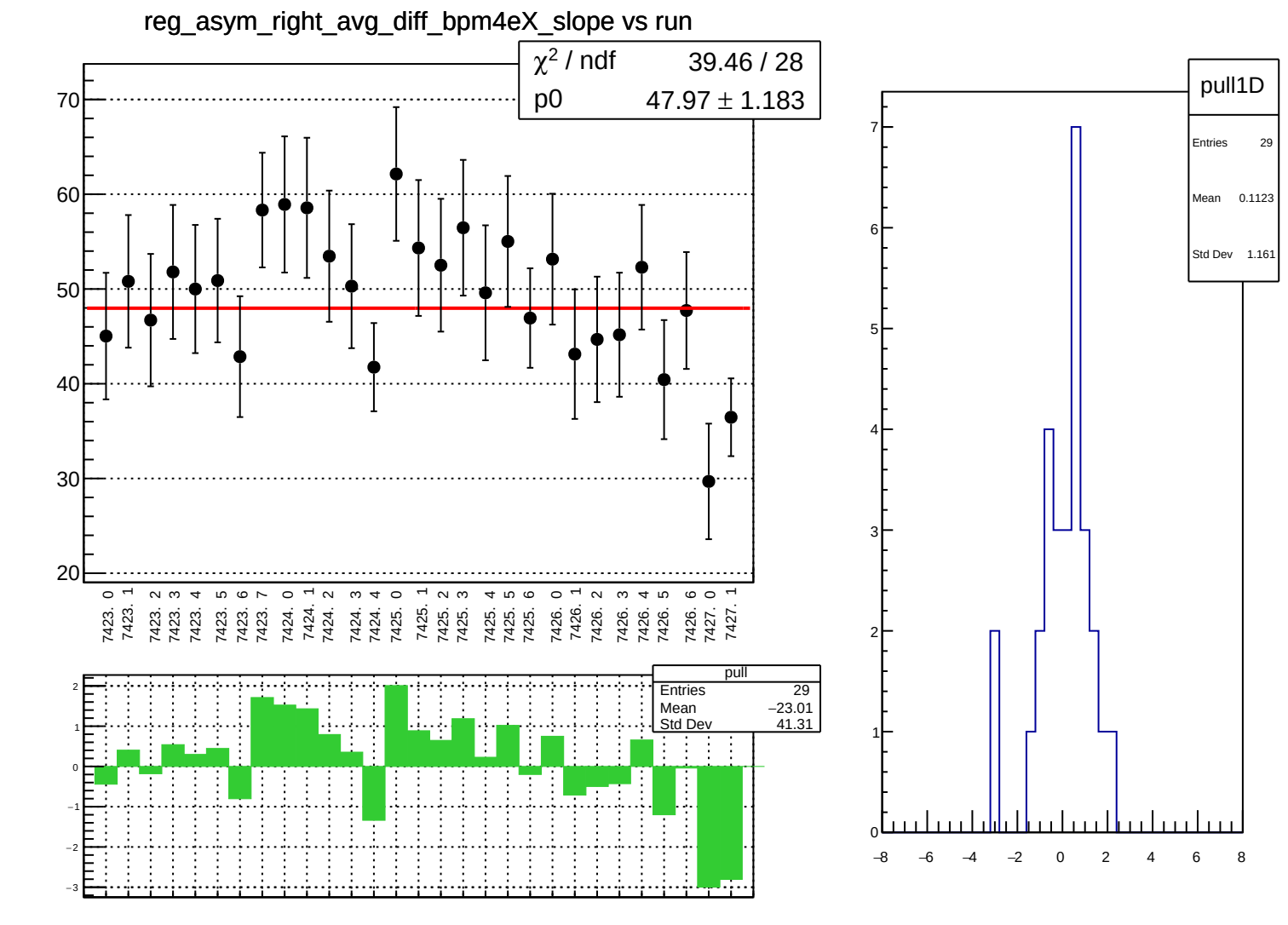

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.37 / 28
p0 4.678 ± 1.088
20
15
10
5
0
−5
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 52.04
Std Dev 34.82
1
0.5
0
−0.5
−1

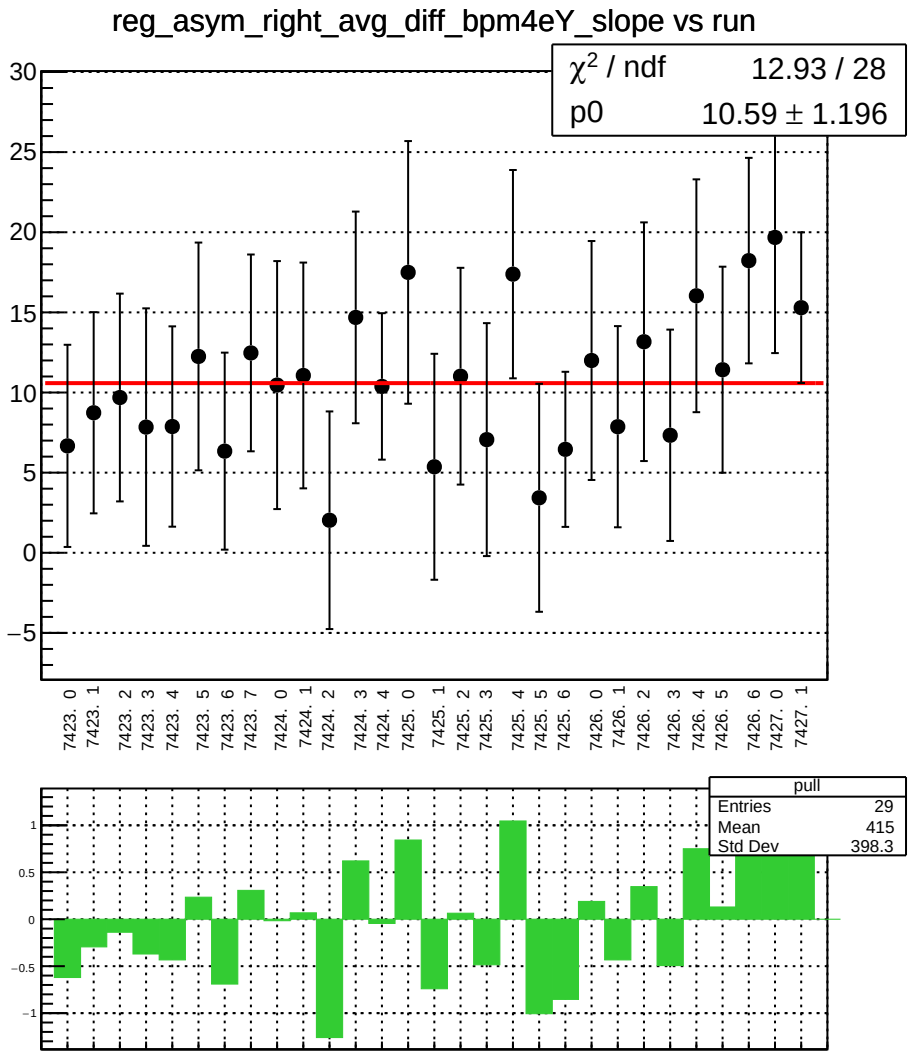

pull1D
Entries 29
Mean −0.01188
Std Dev 0.5978
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

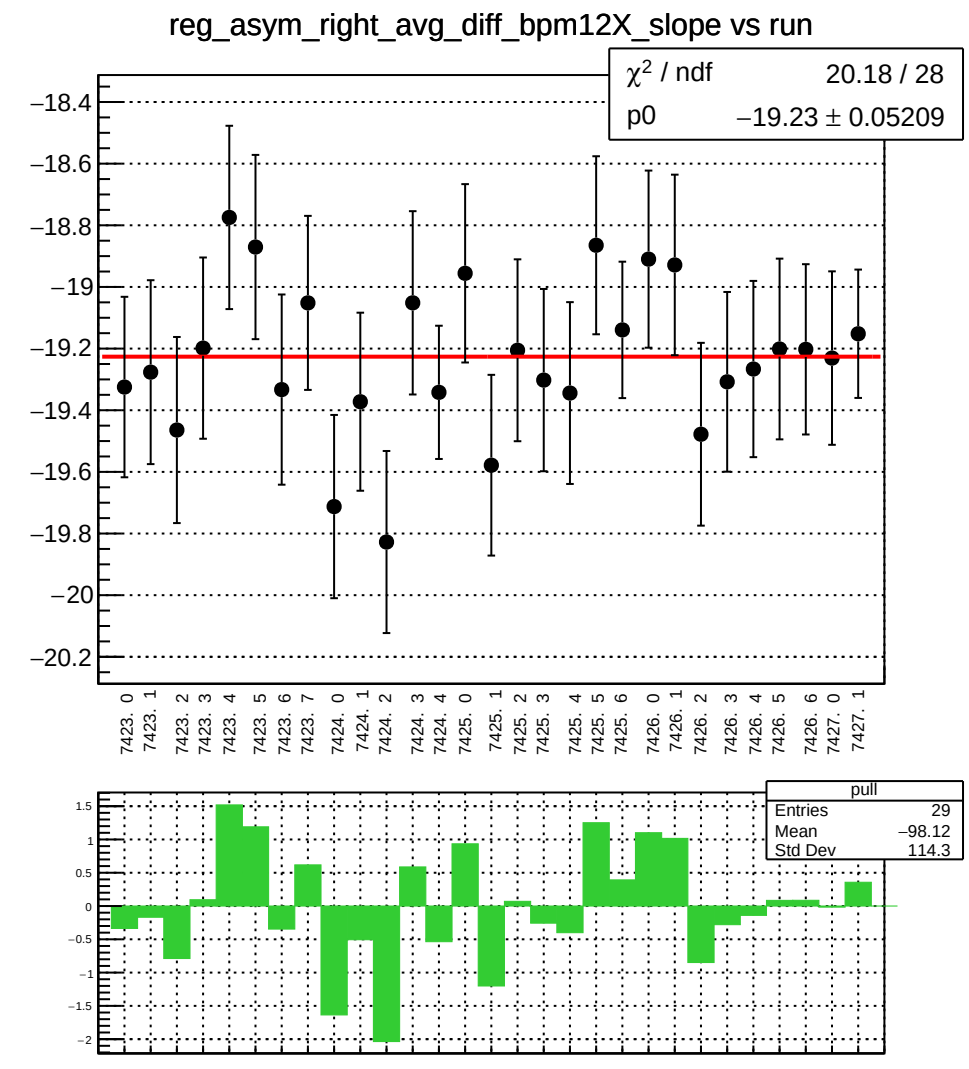

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 10.8 / 28
p0 −16.53 ± 0.04727
−15.8
−16
−16.2
−16.4
−16.6
−16.8
−17
−17.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 234.3
Std Dev 219.8
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.004673
Std Dev 0.6101
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

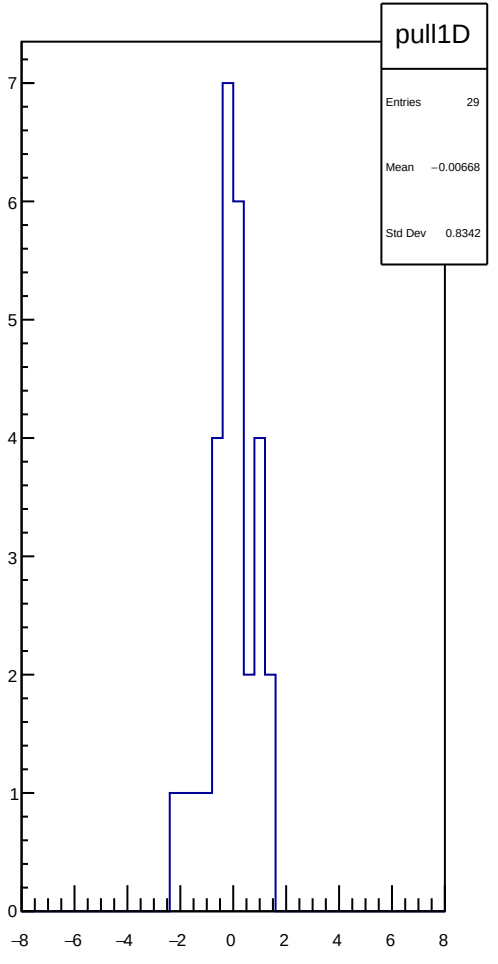

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 38.7 / 28
p0 −20.02 ± 1.134
0
−10
−20
−30
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −20.67
Std Dev 39.07
3
2
1
0
−1
−2
pull1D
Entries 29
Mean −0.1103
Std Dev 1.15
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

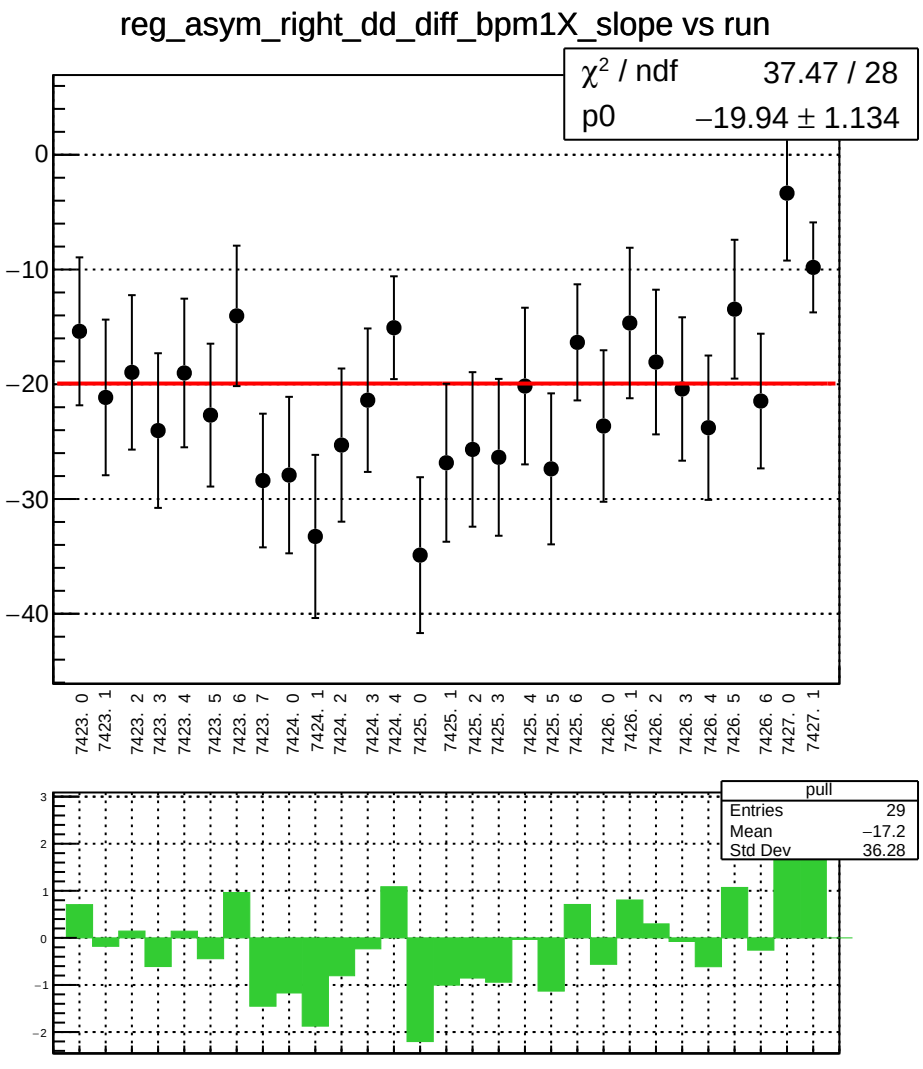

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.31 / 28
p0 −4.51 ± 1.115
10
5
0
−5
−10
−15
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 171.5
Std Dev 155.1
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.01812
Std Dev 0.7023
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

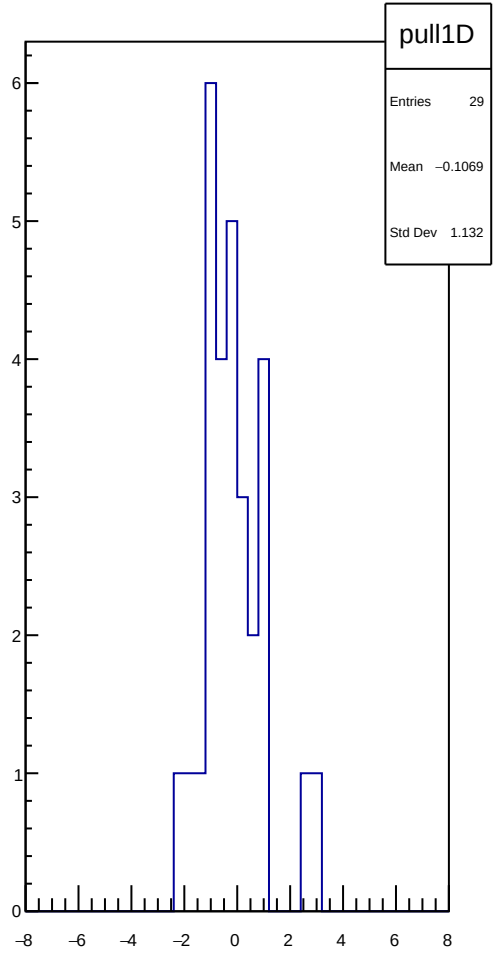

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.46 / 28
p0 47.97 ± 1.183
pull
Entries 29
Mean −23.01
Std Dev 41.31
pull1D
Entries 29
Mean 0.1123
Std Dev 1.161

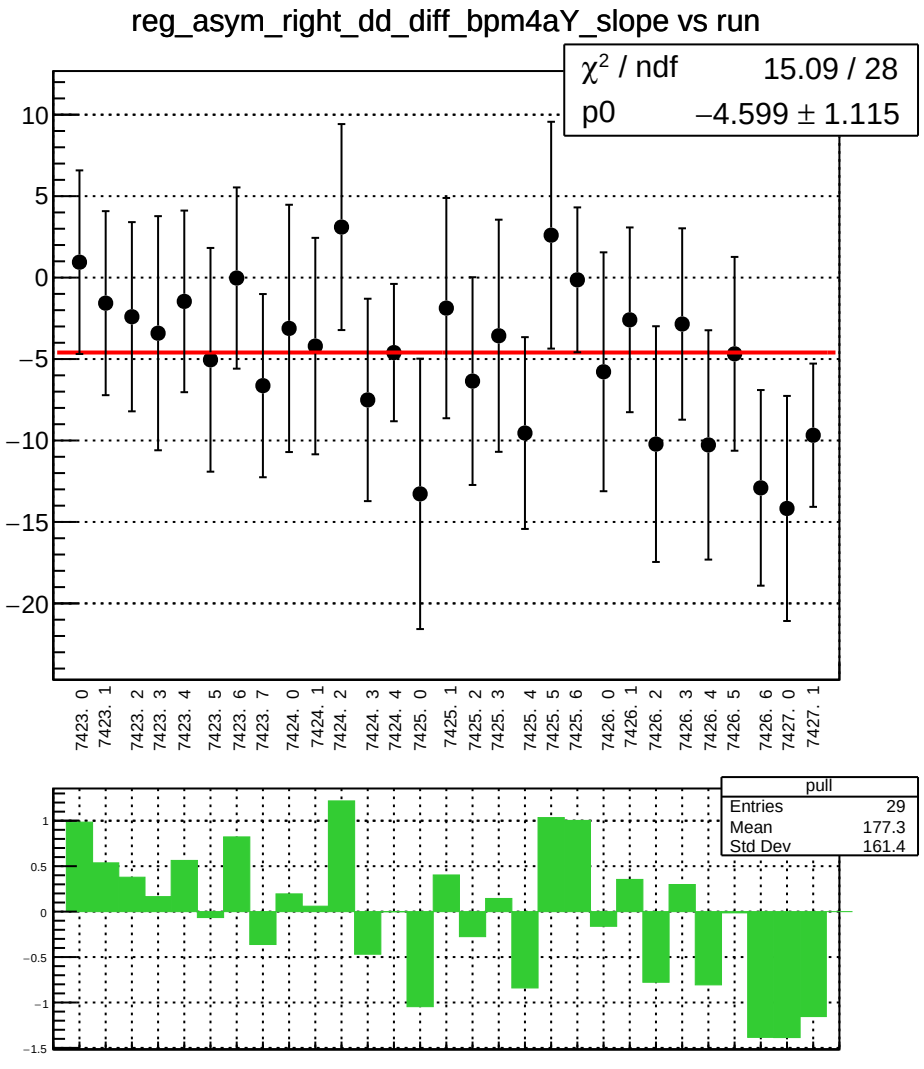

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.93 / 28
p0 10.59 ± 1.196
pull
Entries 29
Mean 415
Std Dev 398.3
pull1D
Entries 29
Mean 0.006031
Std Dev 0.6678

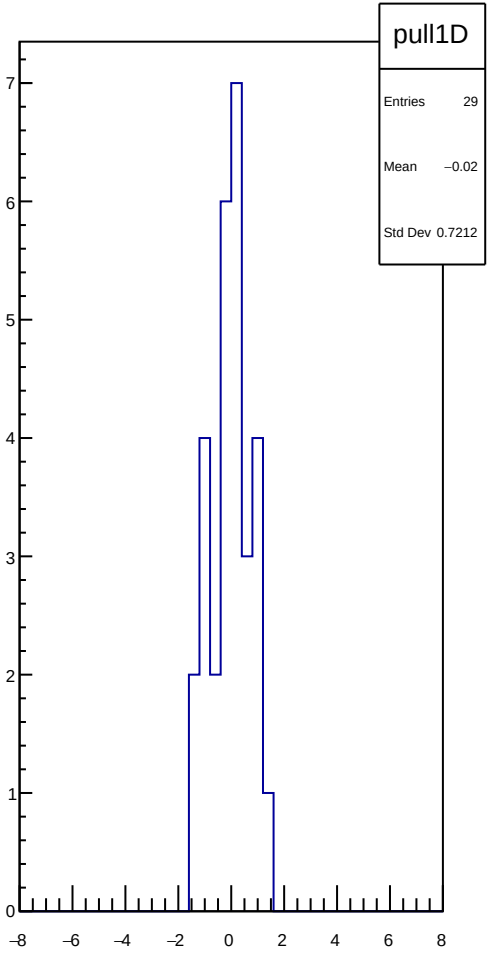

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 20.18 / 28
p0 −19.23 ± 0.05209
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −98.12
Std Dev 114.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2

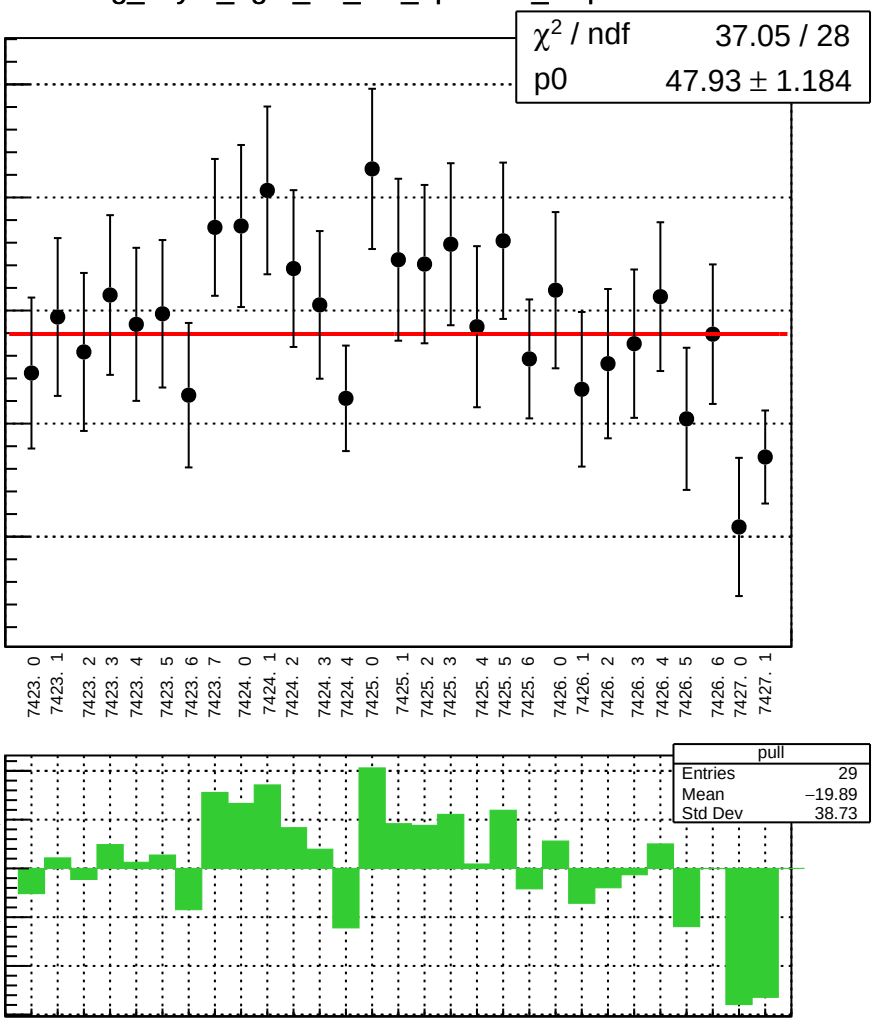

pull1D
Entries 29
Mean −0.00668
Std Dev 0.8342
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

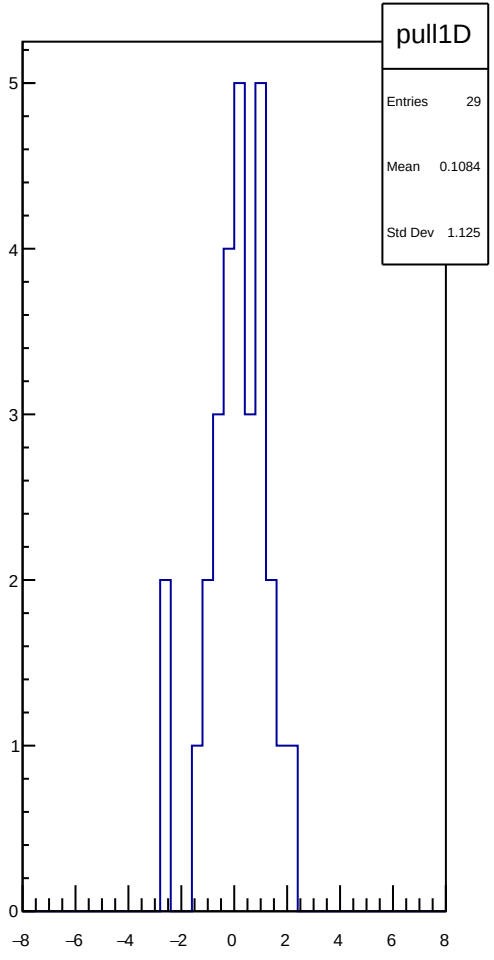

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 37.47 / 28
p0 −19.94 ± 1.134
0
−10
−20
−30
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −17.2
Std Dev 36.28
3
2
1
0
−1
−2

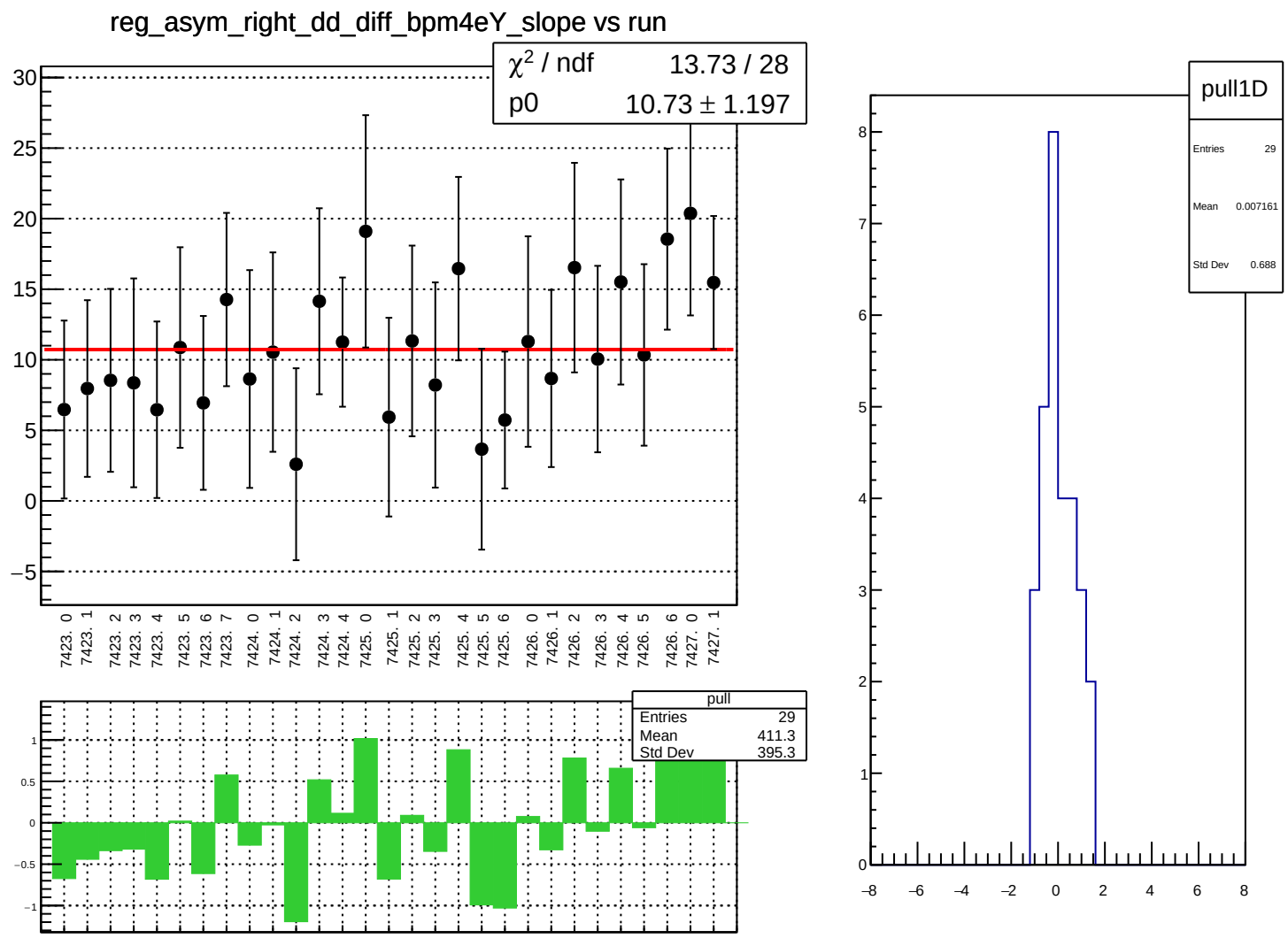

pull1D
Entries 29
Mean −0.1069
Std Dev 1.132
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

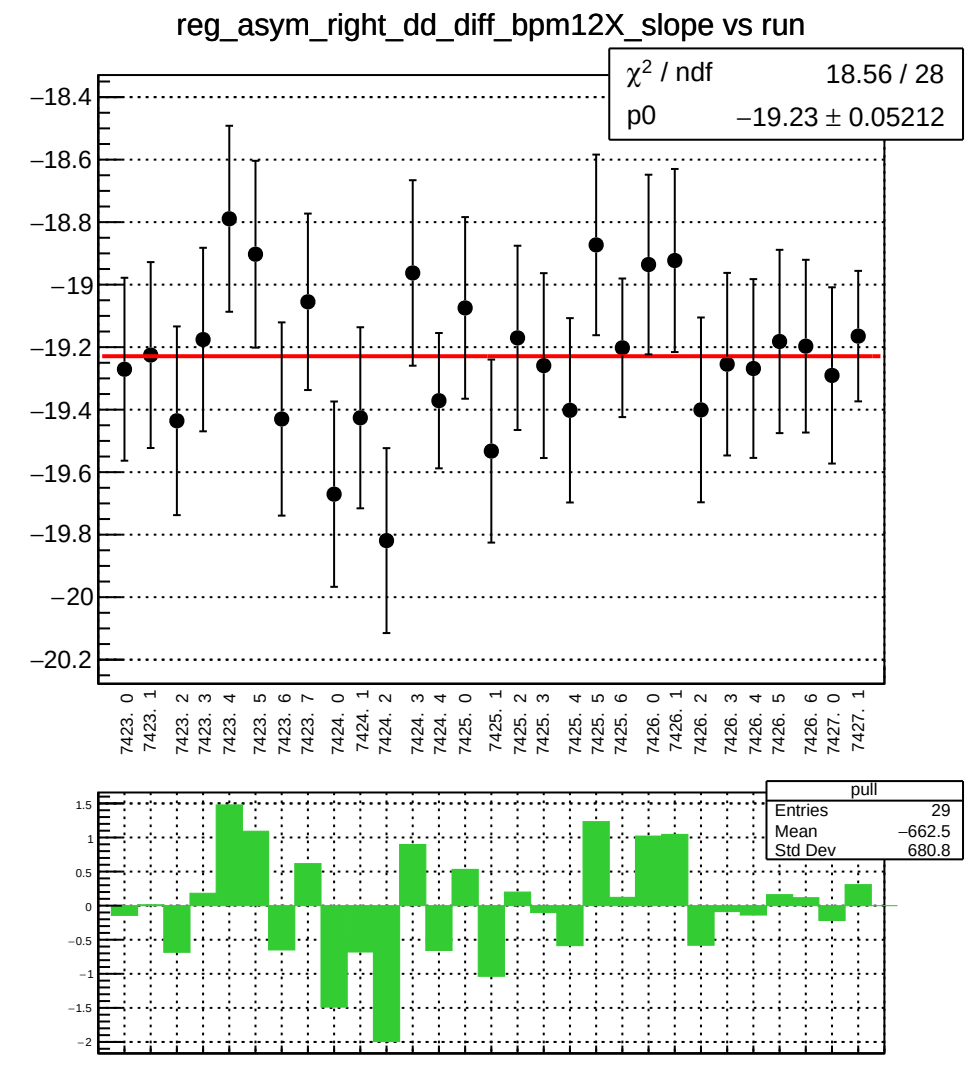

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.09 / 28
p0 −4.599 ± 1.115
10
5
0
−5
−10
−15
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 177.3
Std Dev 161.4
1
0.5
0
−0.5
−1
−1.5

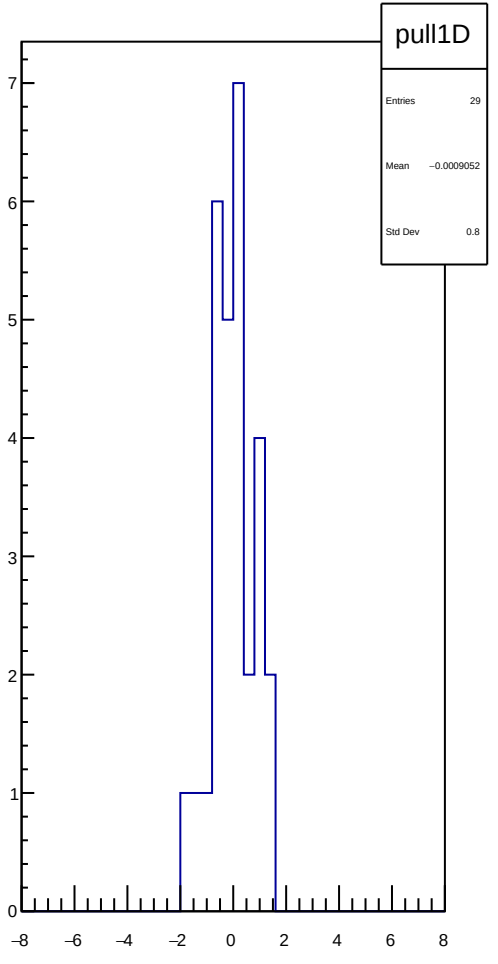

pull1D
Entries 29
Mean −0.02
Std Dev 0.7212
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

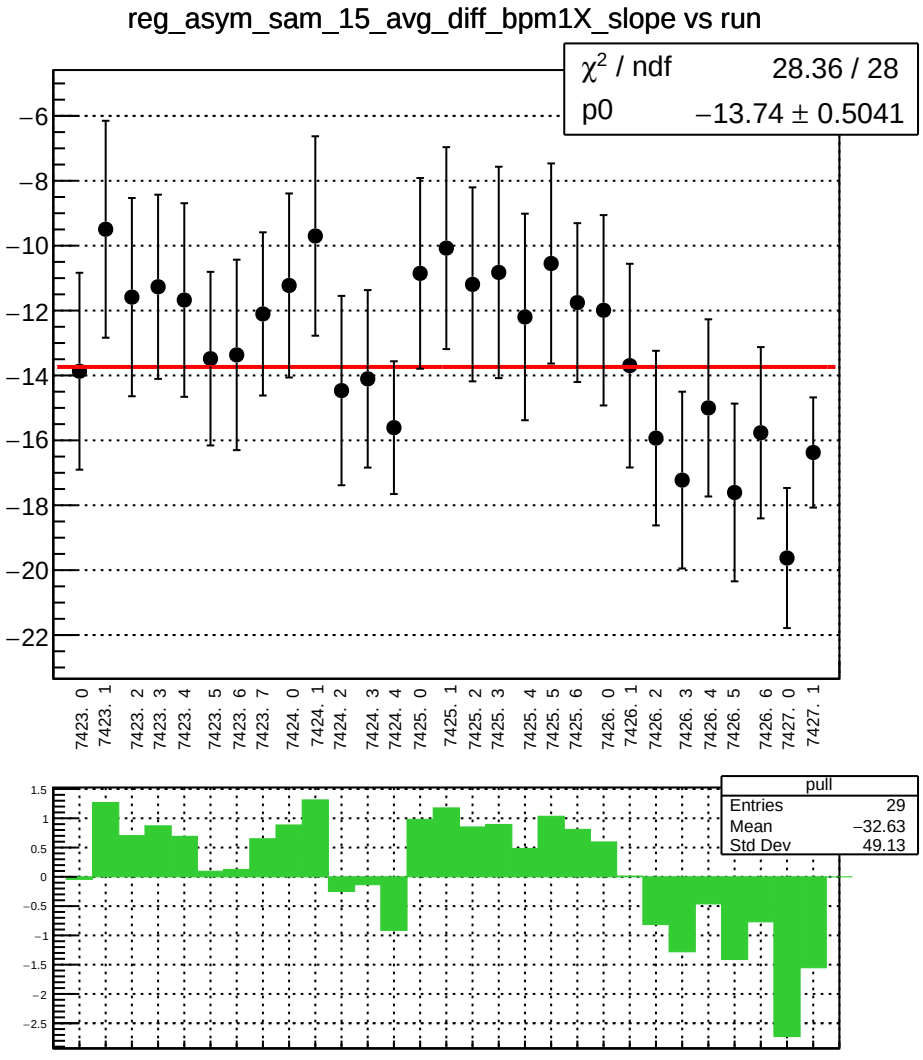

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.05 / 28
p0 47.93 ± 1.184
pull
Entries 29
Mean −19.89
Std Dev 38.73

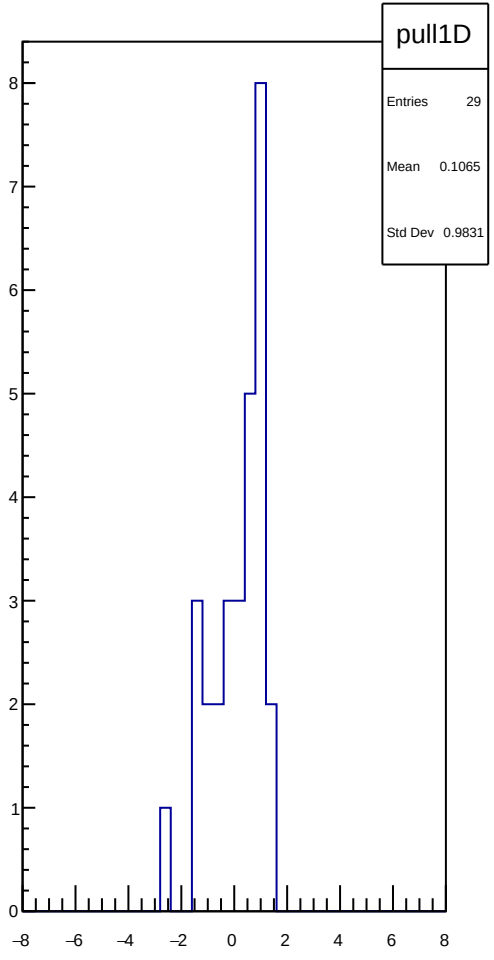

pull1D
Entries 29
Mean 0.1084
Std Dev 1.125

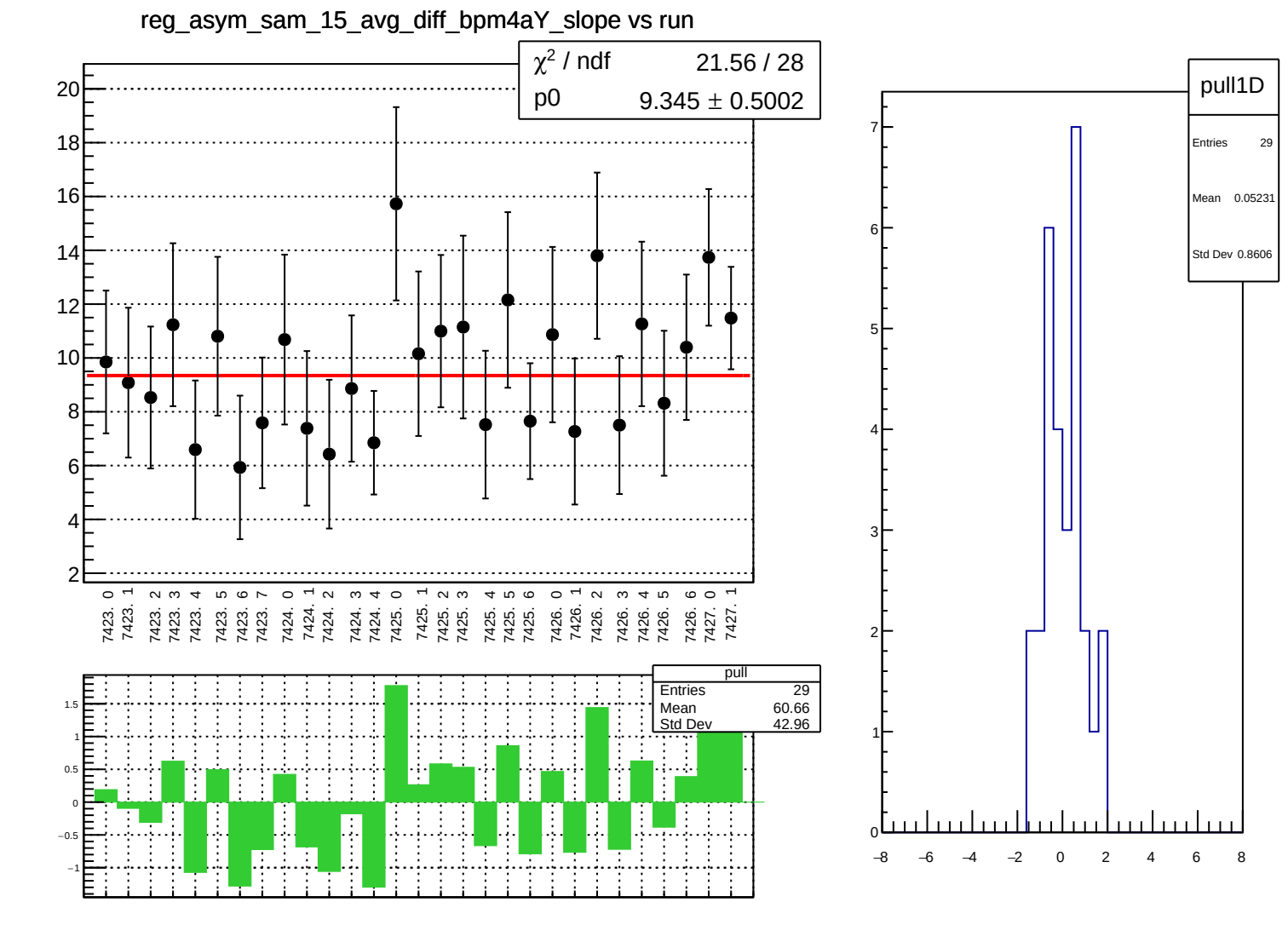

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.73 / 28
p0 10.73 ± 1.197
30
25
20
15
10
5
0
−5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 411.3
Std Dev 395.3
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.007161
Std Dev 0.688
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

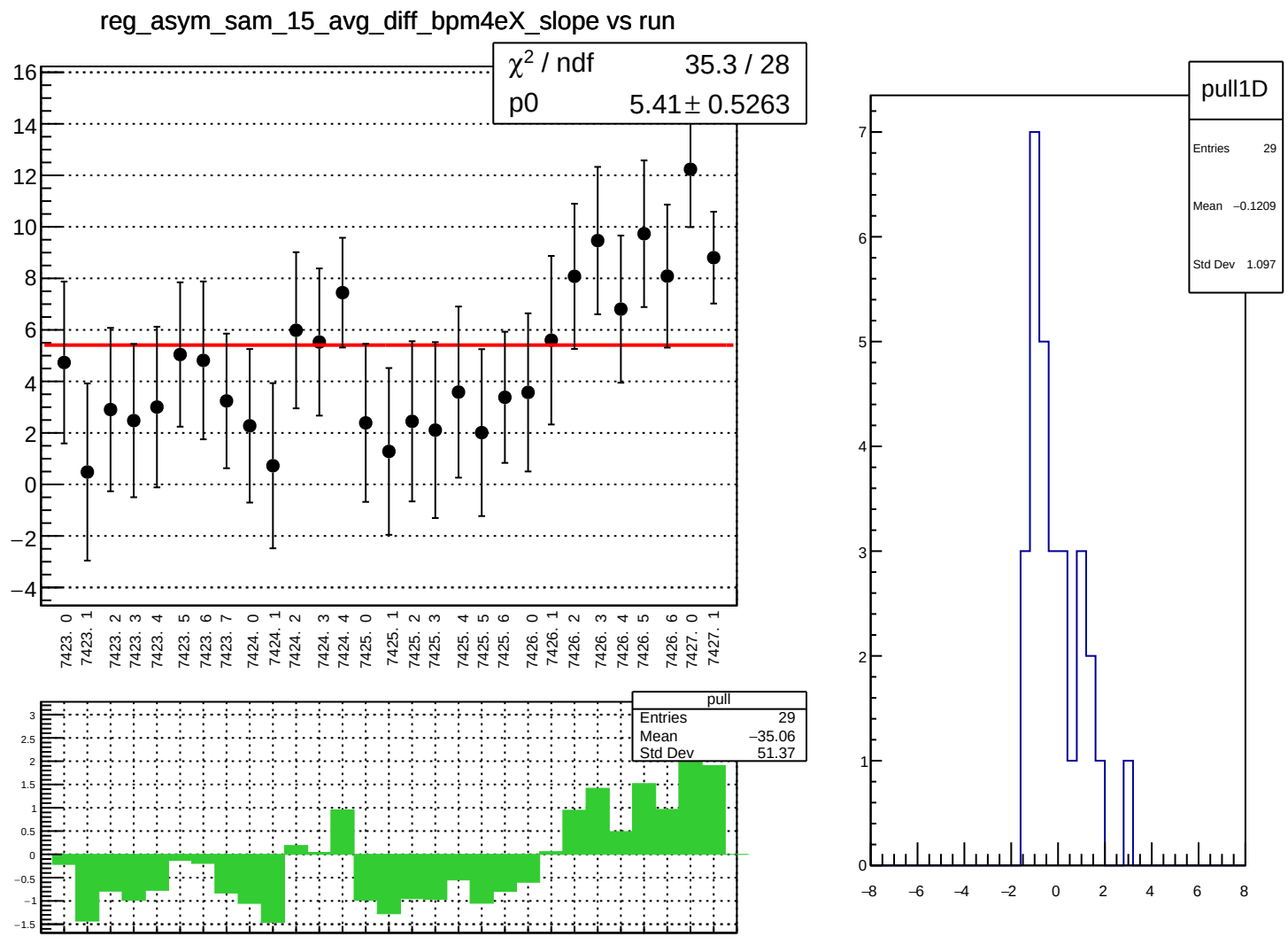

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 18.56 / 28
p0 −19.23 ± 0.05212
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −662.5
Std Dev 680.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

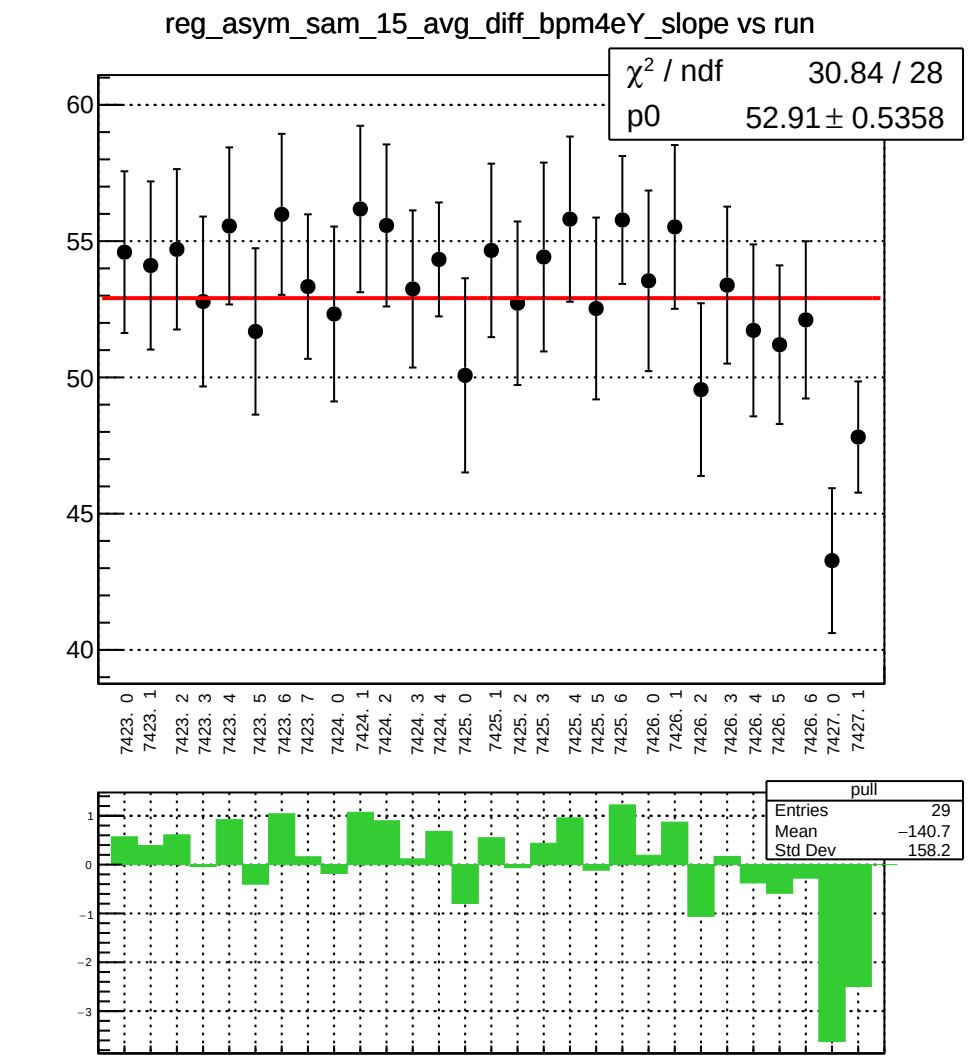

pull1D
Entries 29
Mean −0.0009052
Std Dev 0.8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

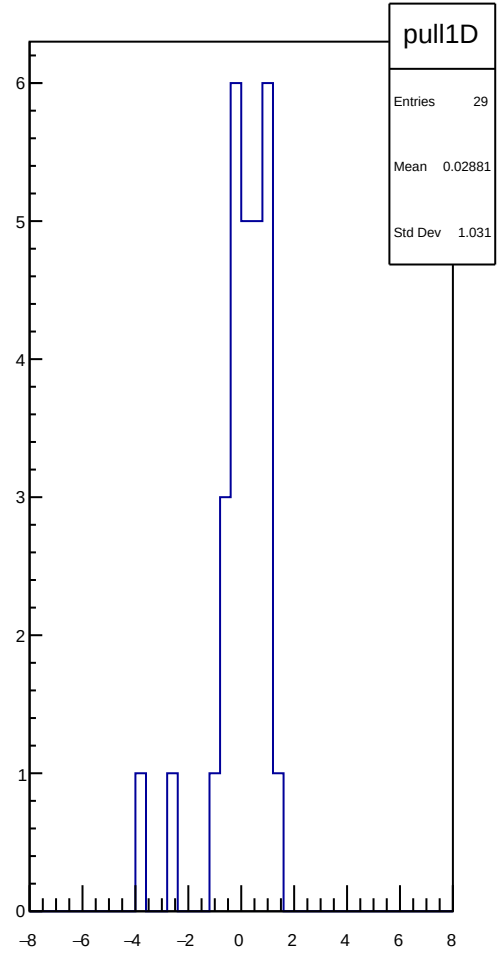

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 28.36 / 28
p0 −13.74 ± 0.5041
pull
Entries 29
Mean −32.63
Std Dev 49.13

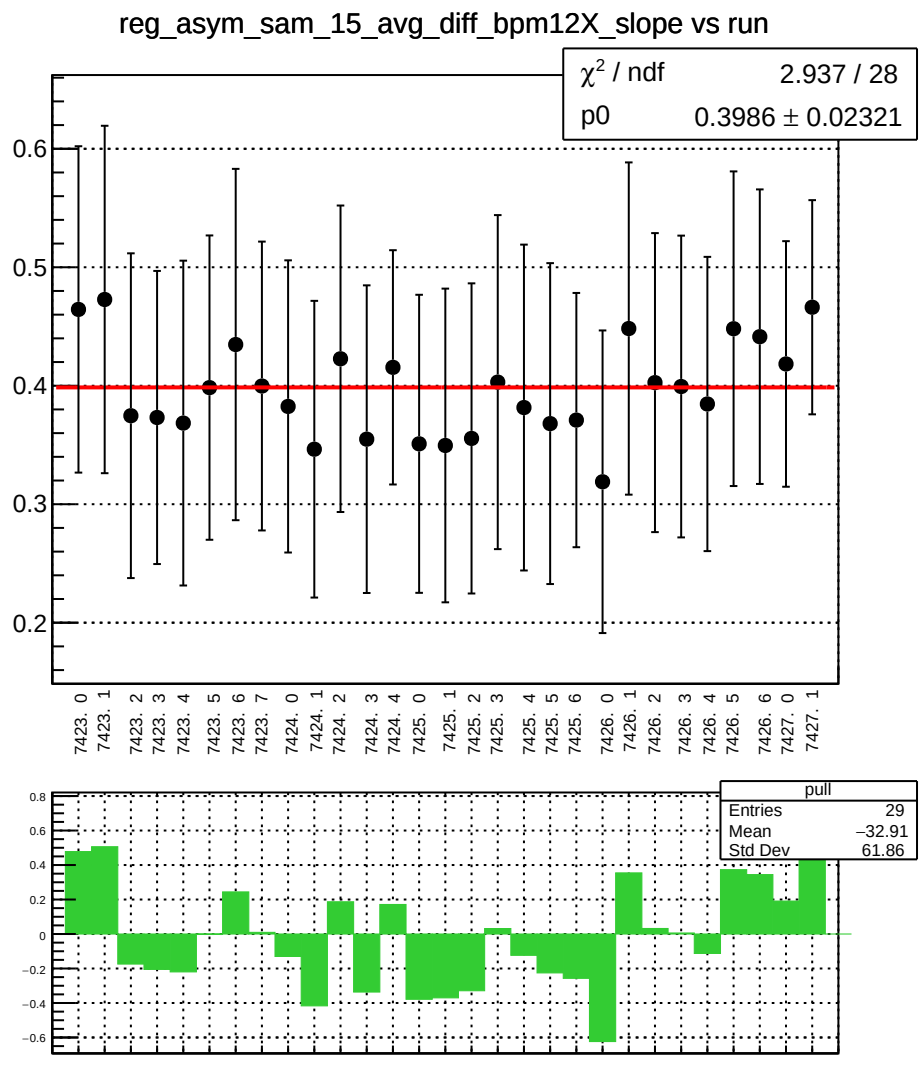

pull1D
Entries 29
Mean 0.1065
Std Dev 0.9831

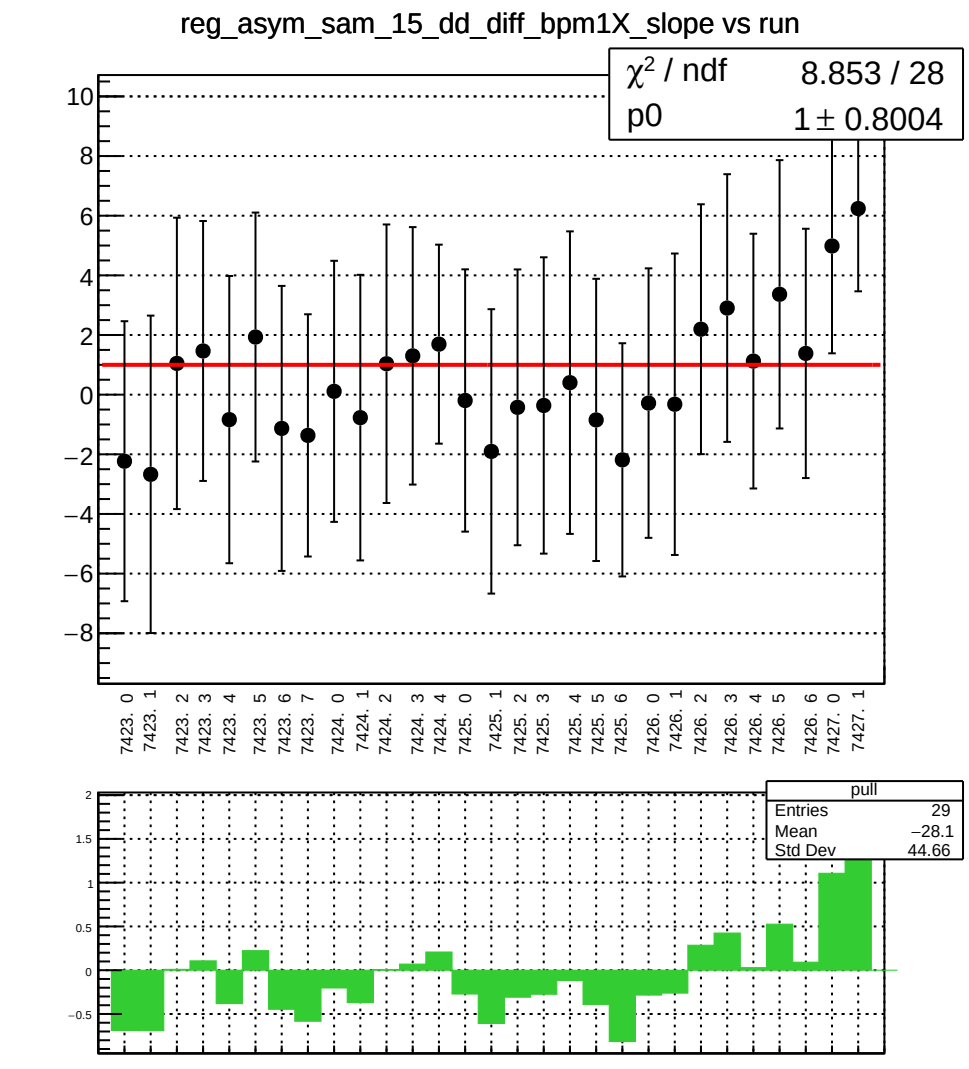

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.56 / 28
p0 9.345 ± 0.5002
pull
Entries 29
Mean 60.66
Std Dev 42.96
pull1D
Entries 29
Mean 0.05231
Std Dev 0.8606

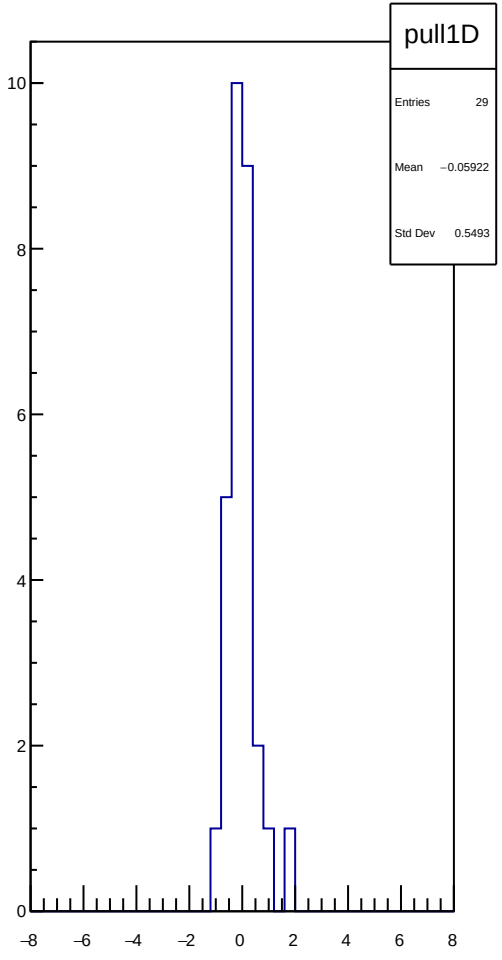

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.3 / 28
p0 5.41 ± 0.5263
16
14
12
10
8
6
4
2
0
−2
−4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −35.06
Std Dev 51.37
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.1209
Std Dev 1.097
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

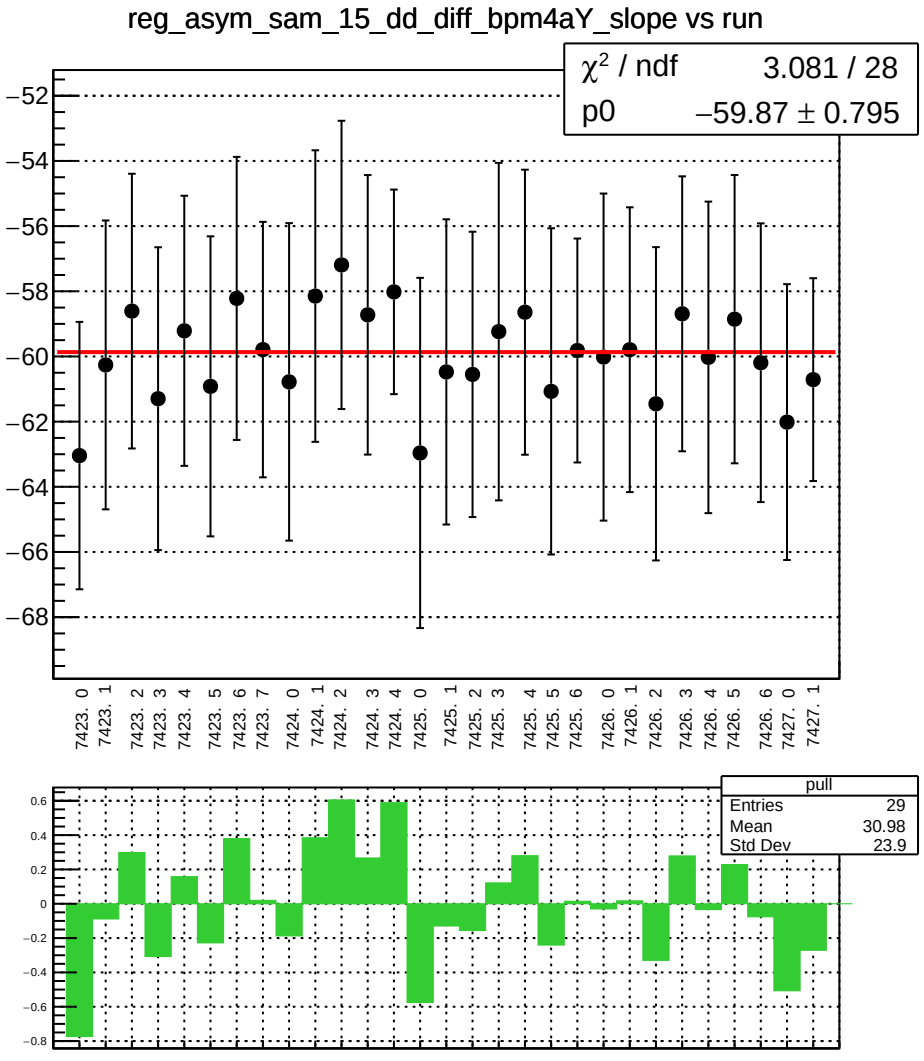

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.84 / 28
p0 52.91 ± 0.5358
60
55
50
45
40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −140.7
Std Dev 158.2
1
0
−1
−2
−3

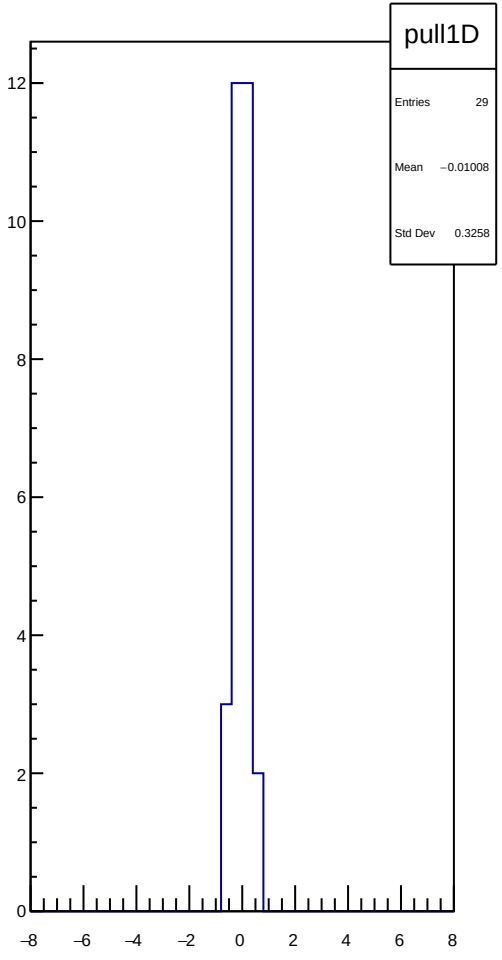

pull1D
Entries 29
Mean 0.02881
Std Dev 1.031
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

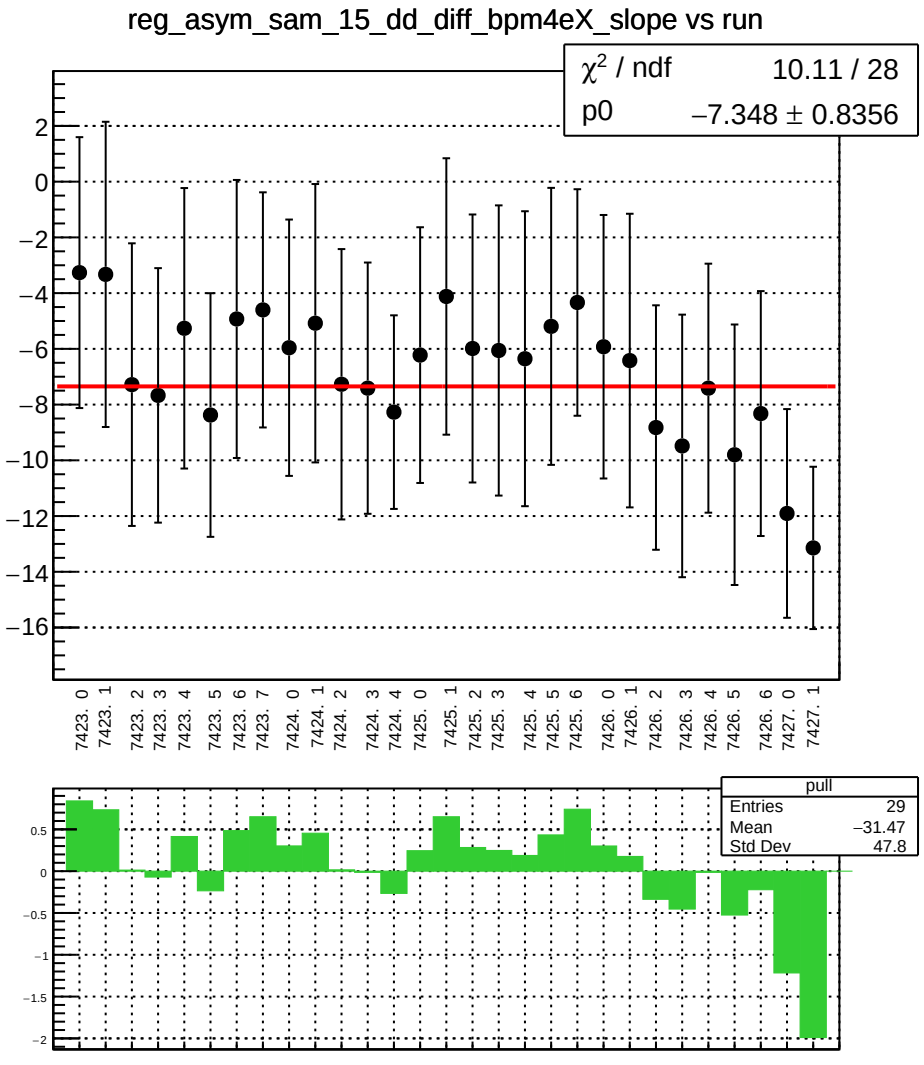

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 2.937 / 28
p0 0.3986 ± 0.02321
0.6
0.5
0.4
0.3
0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −32.91
Std Dev 61.86
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 29
Mean −0.007801
Std Dev 0.3182
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

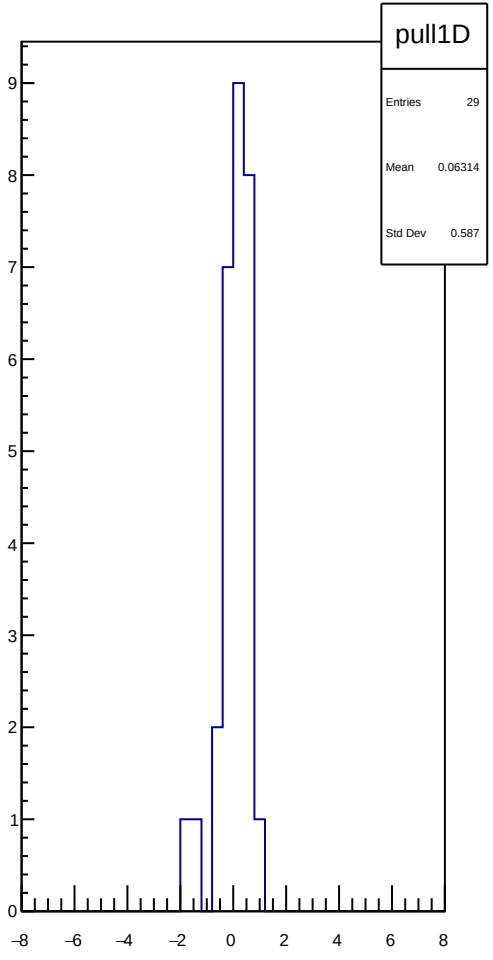

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 8.853 / 28
p0 1 ± 0.8004
pull
Entries 29
Mean −28.1
Std Dev 44.66

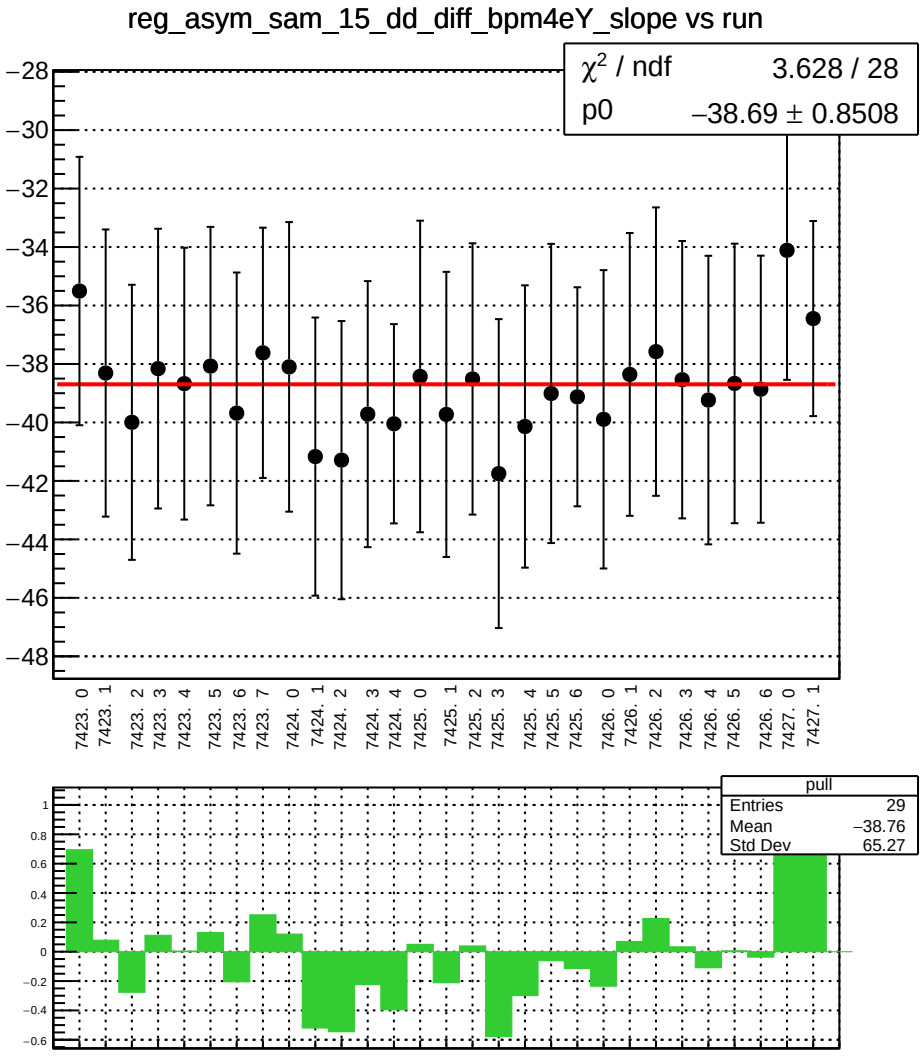

pull1D
Entries 29
Mean −0.05922
Std Dev 0.5493

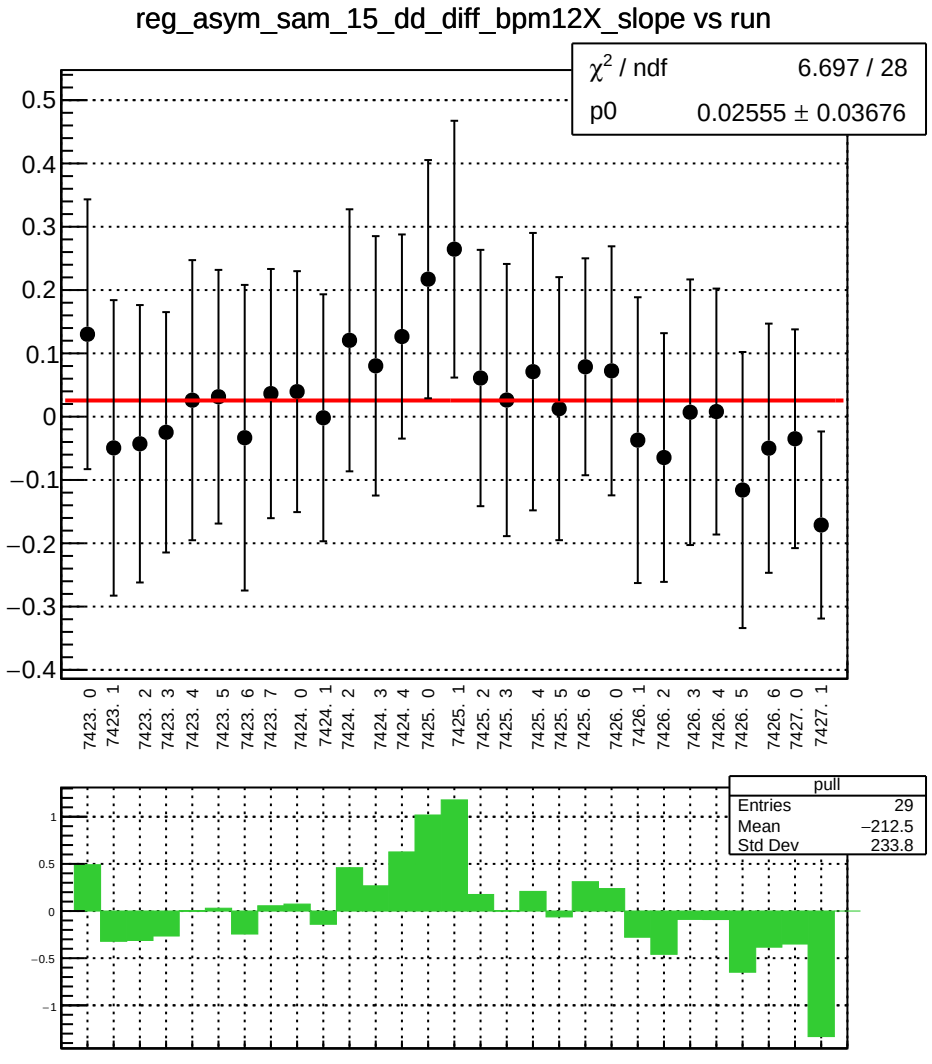

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.081 / 28
p0 −59.87 ± 0.795
pull
Entries 29
Mean 30.98
Std Dev 23.9

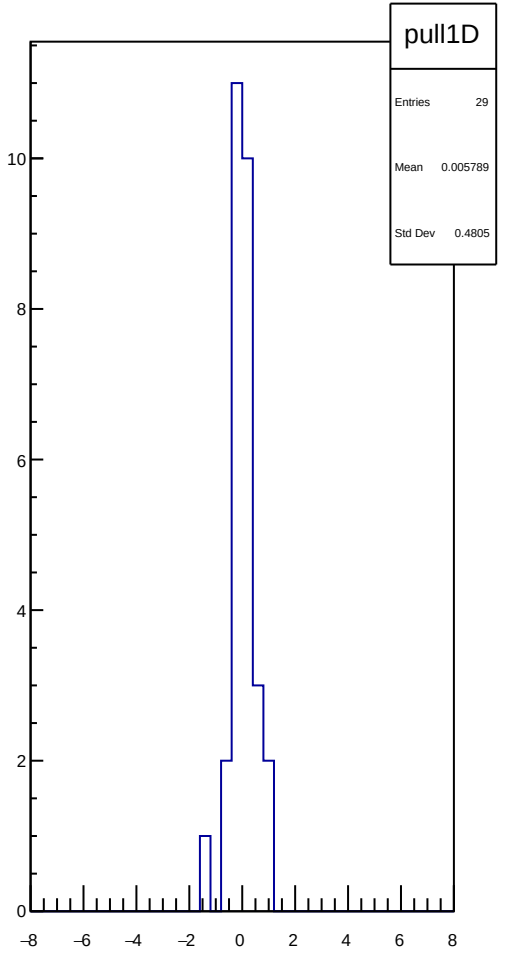

pull1D
Entries 29
Mean −0.01008
Std Dev 0.3258

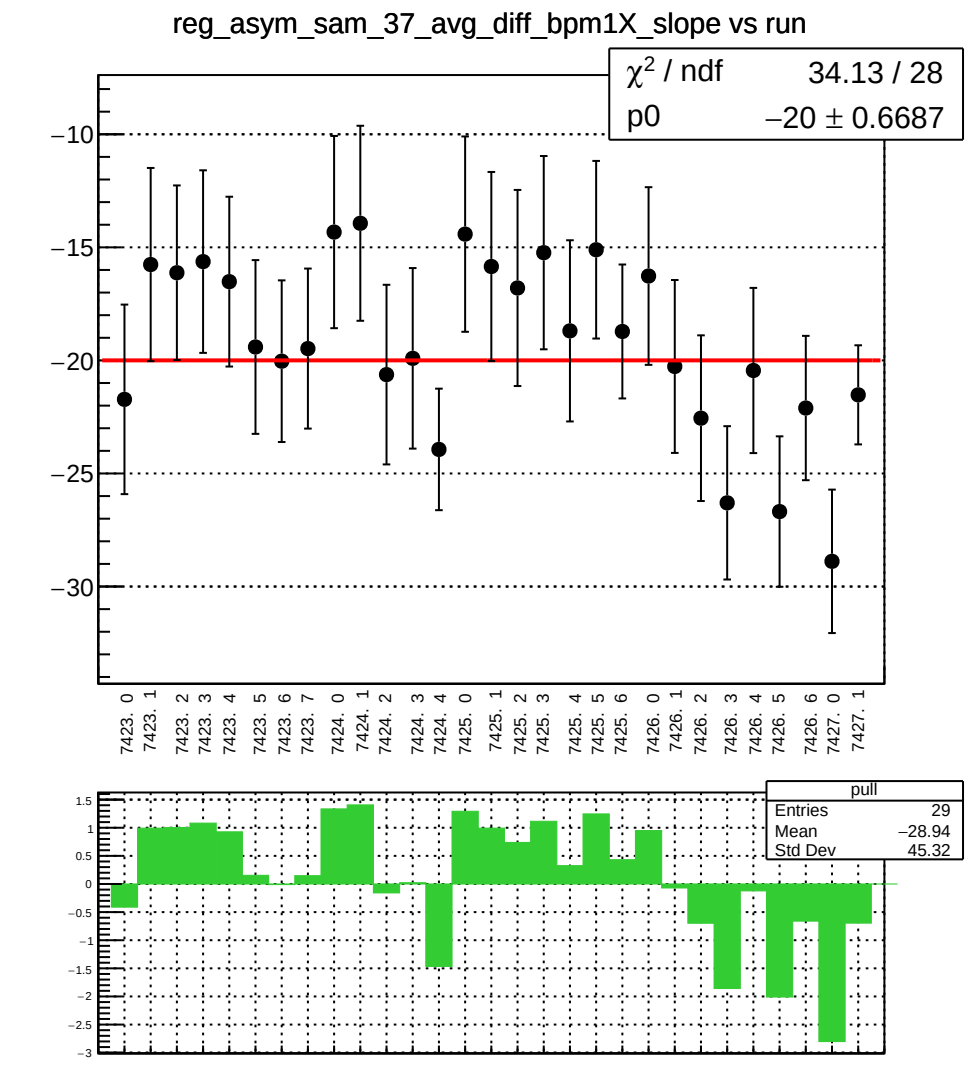

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.11 / 28
p0 −7.348 ± 0.8356
pull
Entries 29
Mean −31.47
Std Dev 47.8

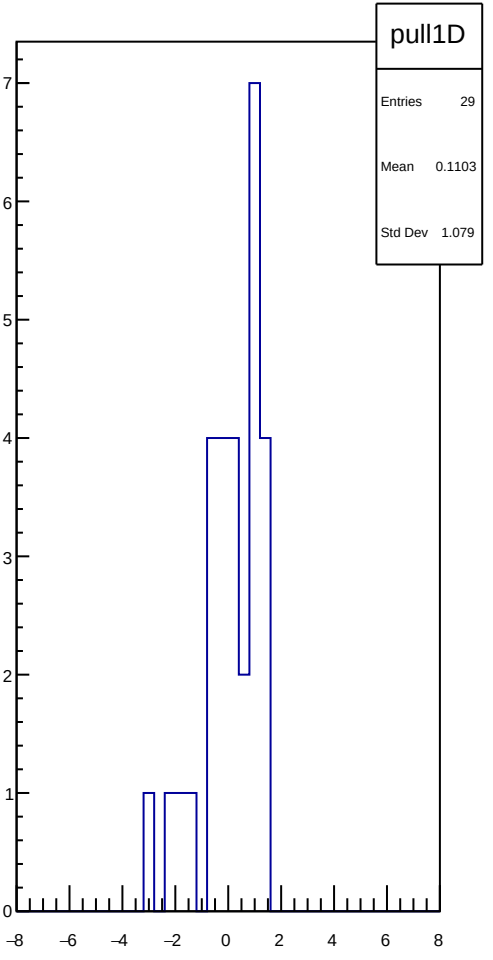

pull1D
Entries 29
Mean 0.06314
Std Dev 0.587

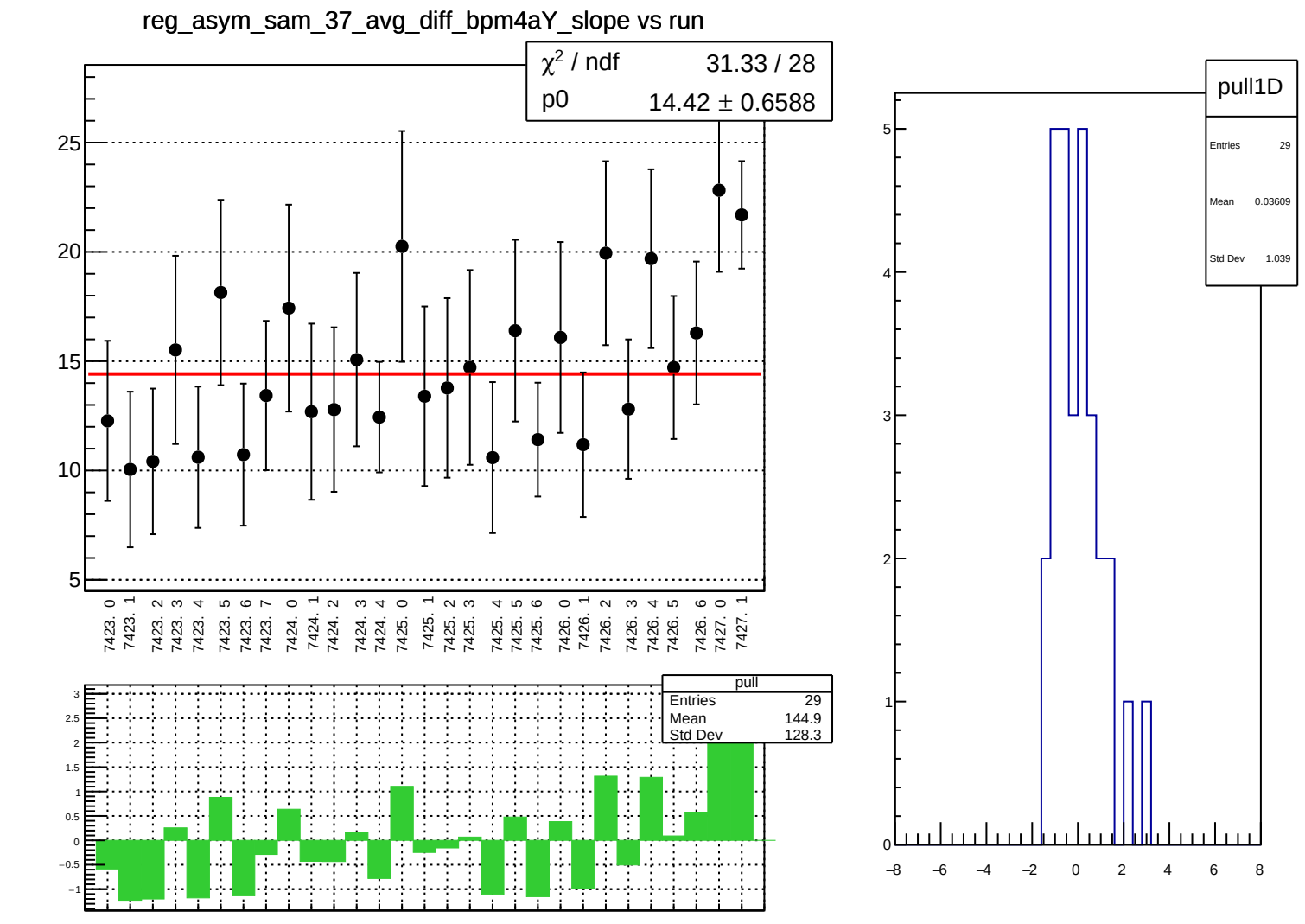

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.628 / 28
p0 −38.69 ± 0.8508
pull
Entries 29
Mean −38.76
Std Dev 65.27
pull1D
Entries 29
Mean −0.009869
Std Dev 0.3536

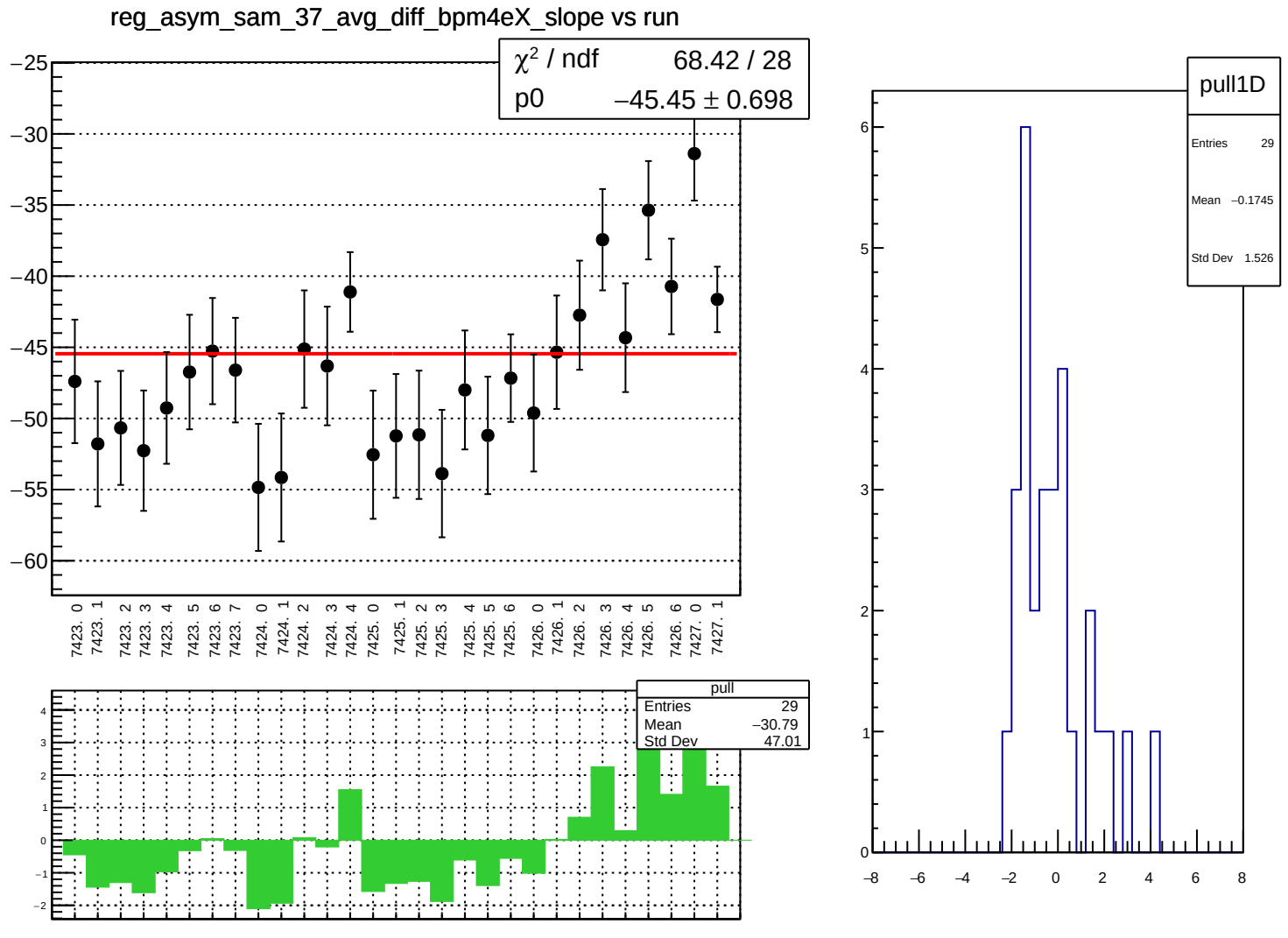

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 6.697 / 28
p0 0.02555 ± 0.03676
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −212.5
Std Dev 233.8
1
0.5
0
−0.5
−1

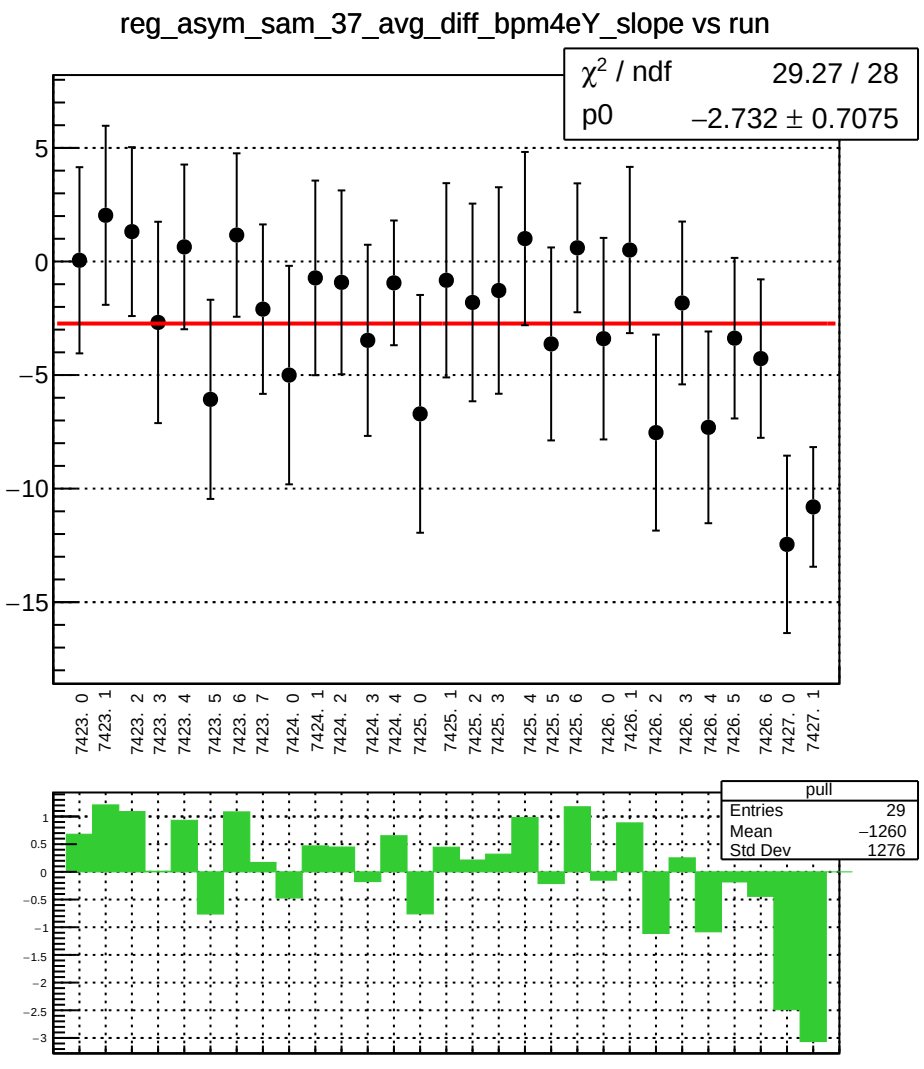

pull1D
Entries 29
Mean 0.005789
Std Dev 0.4805
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

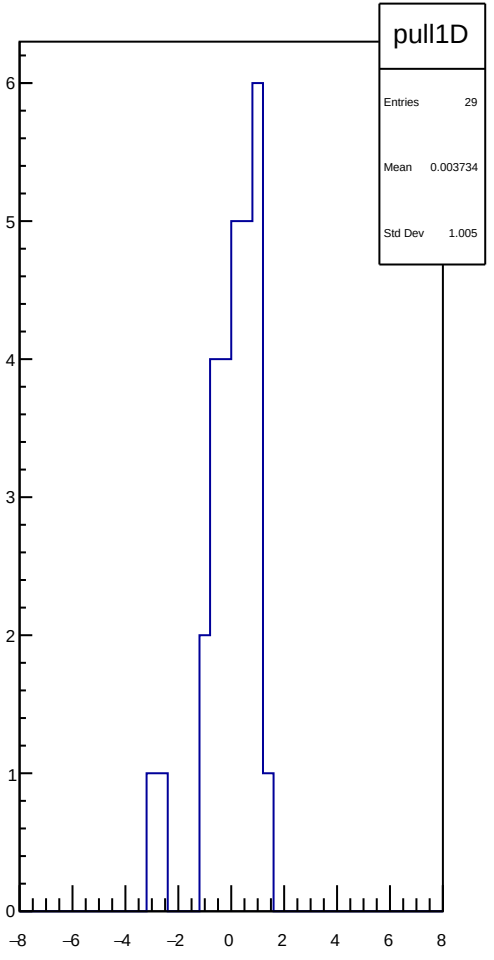

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 34.13 / 28
p0 −20 ± 0.6687
−10
−15
−20
−25
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −28.94
Std Dev 45.32
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

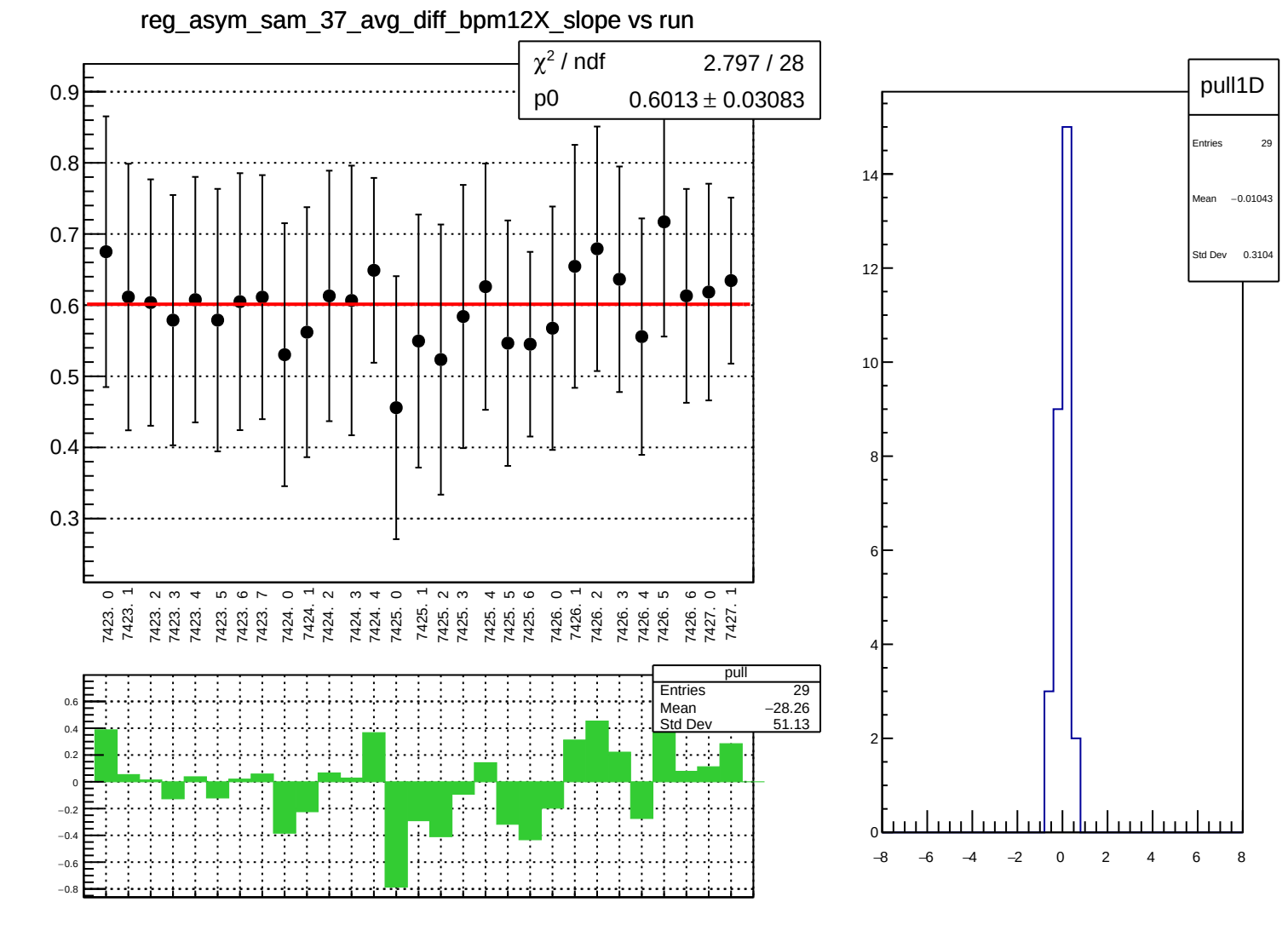

pull1D
Entries 29
Mean 0.1103
Std Dev 1.079
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

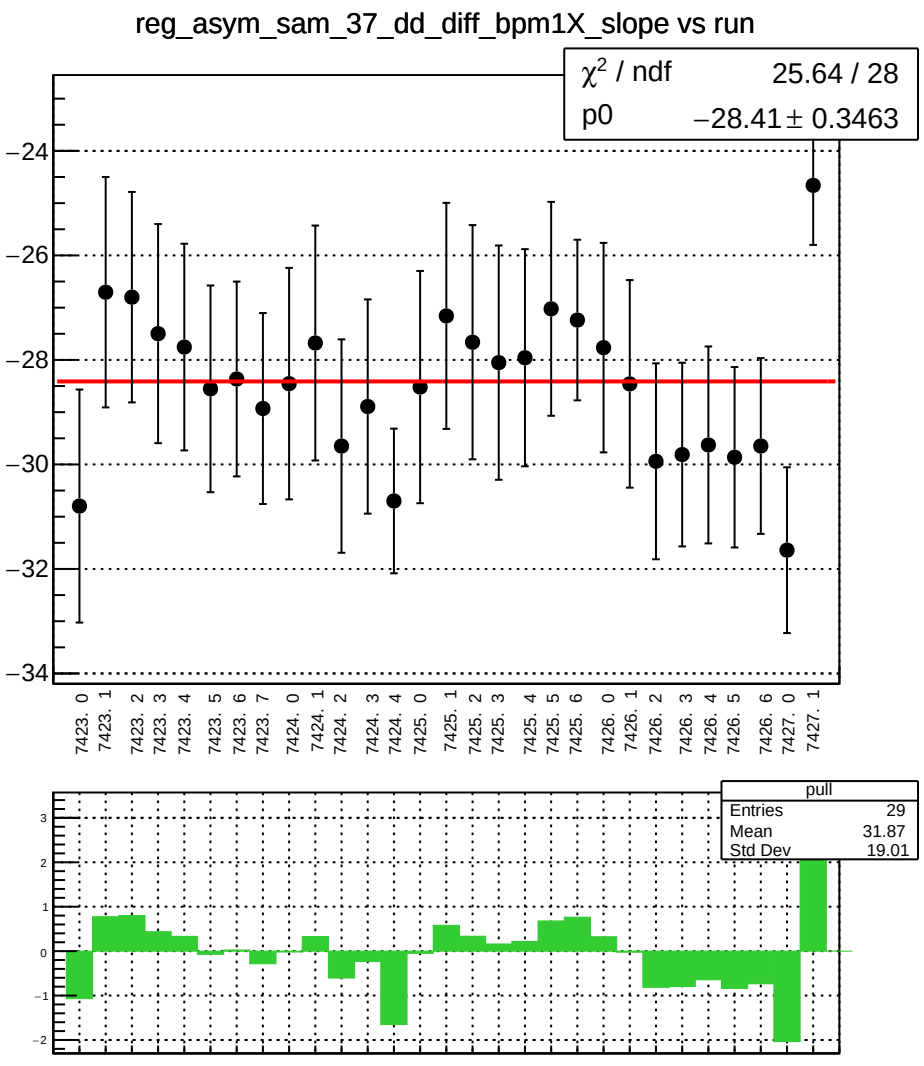

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.33 / 28
p0 14.42 ± 0.6588
25
20
15
10
5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 144.9
Std Dev 128.3
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.03609
Std Dev 1.039
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

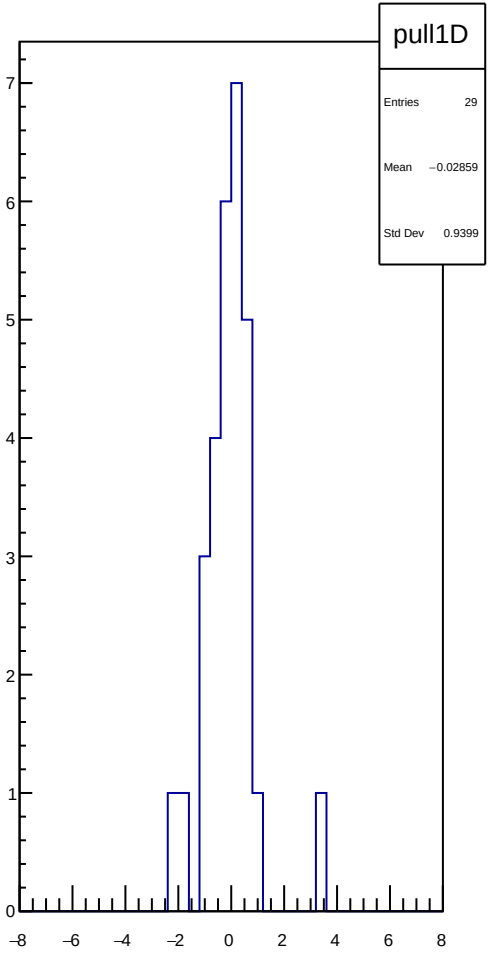

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.42 / 28
p0 −45.45 ± 0.698
−25
−30
−35
−40
−45
−50
−55
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.79
Std Dev 47.01
4
3
2
1
0
−1
−2
pull1D
Entries 29
Mean −0.1745
Std Dev 1.526
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

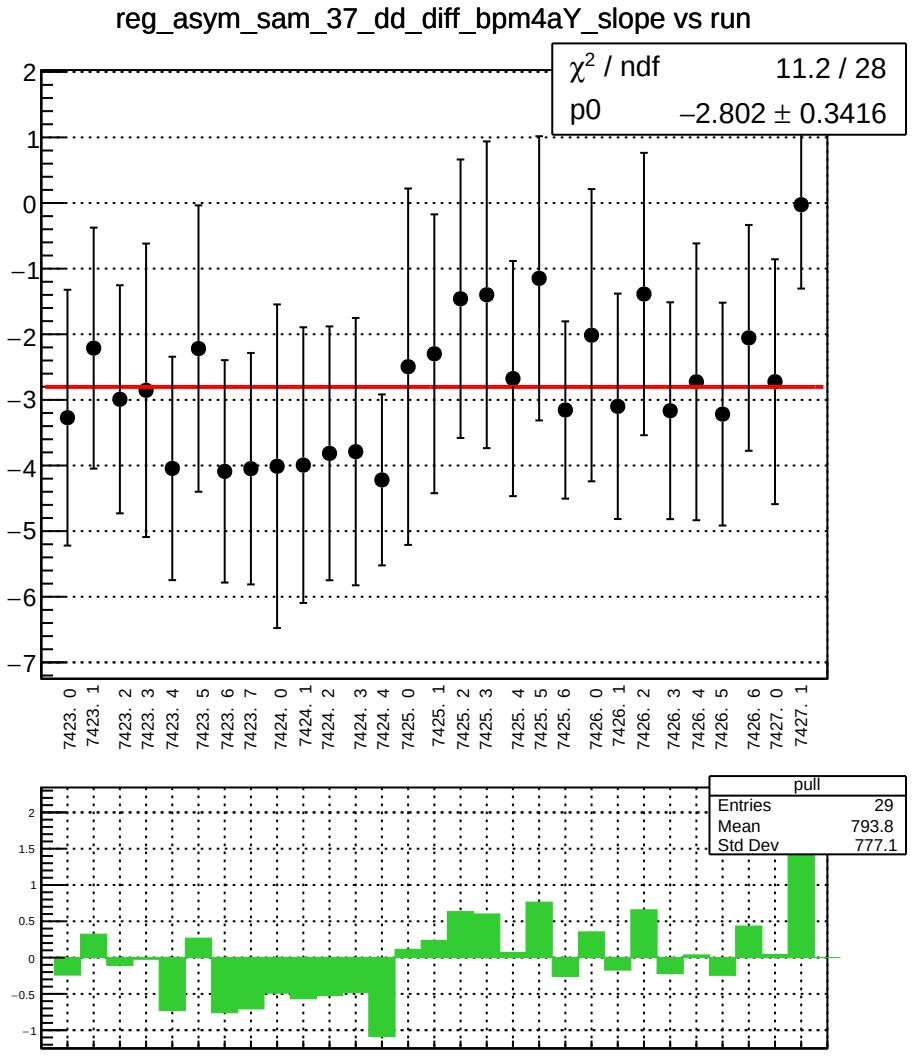

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.27 / 28
p0 −2.732 ± 0.7075
5
0
−5
−10
−15
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −1260
Std Dev 1276
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

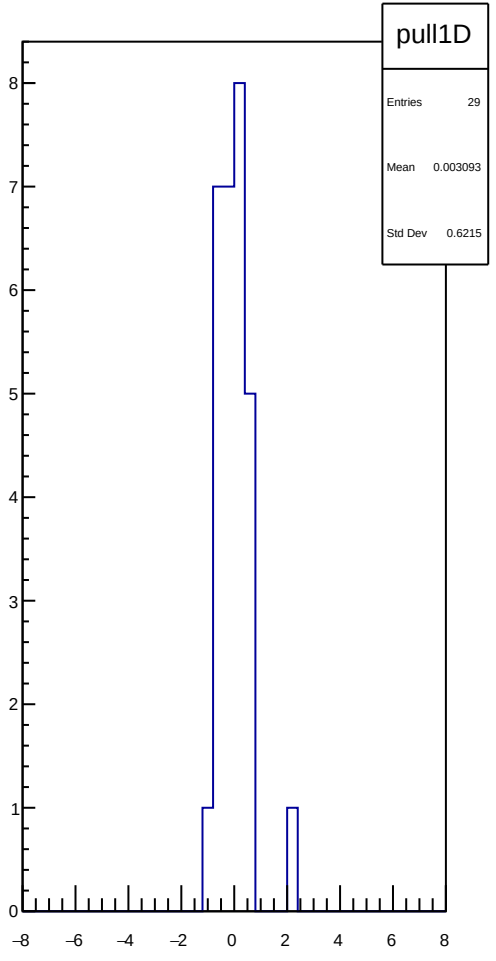

pull1D
Entries 29
Mean 0.003734
Std Dev 1.005
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

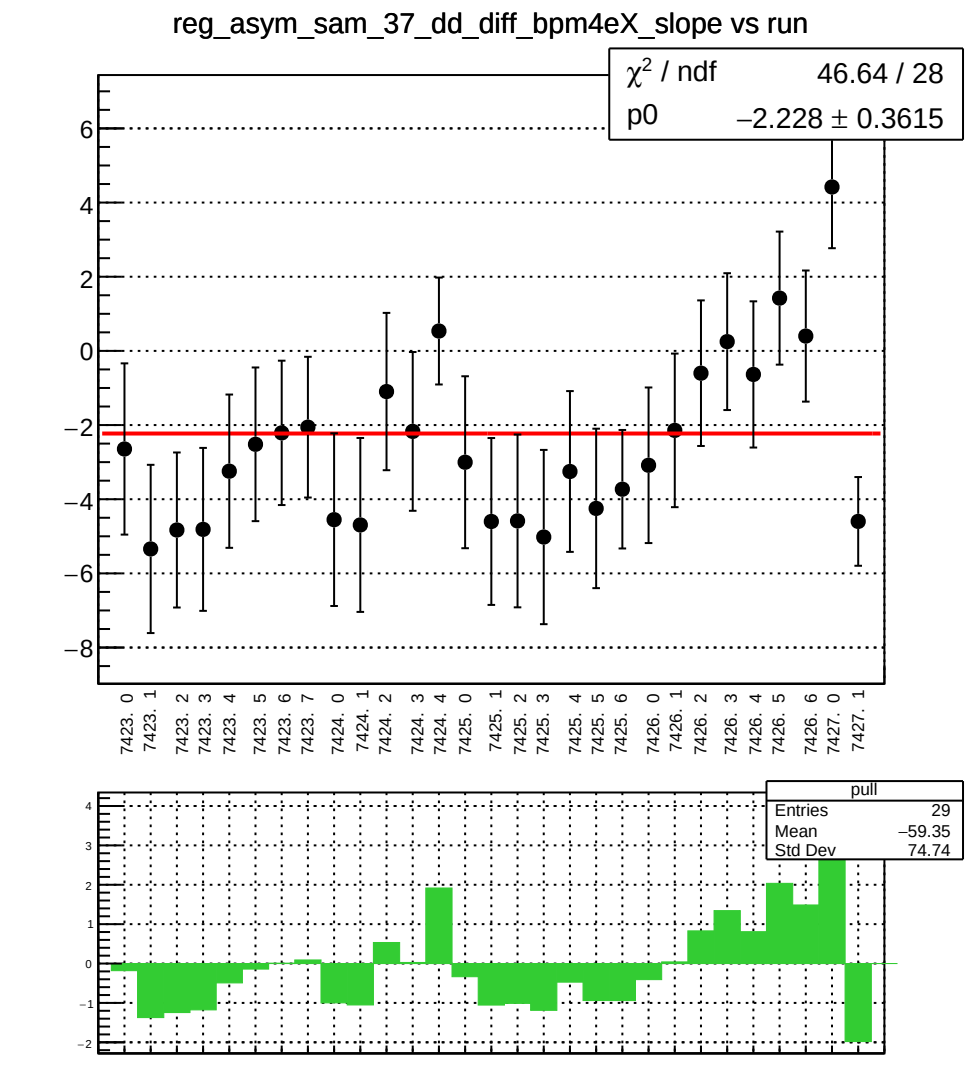

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.797 / 28
p0 0.6013 ± 0.03083
pull
Entries 29
Mean −28.26
Std Dev 51.13
pull1D
Entries 29
Mean −0.01043
Std Dev 0.3104

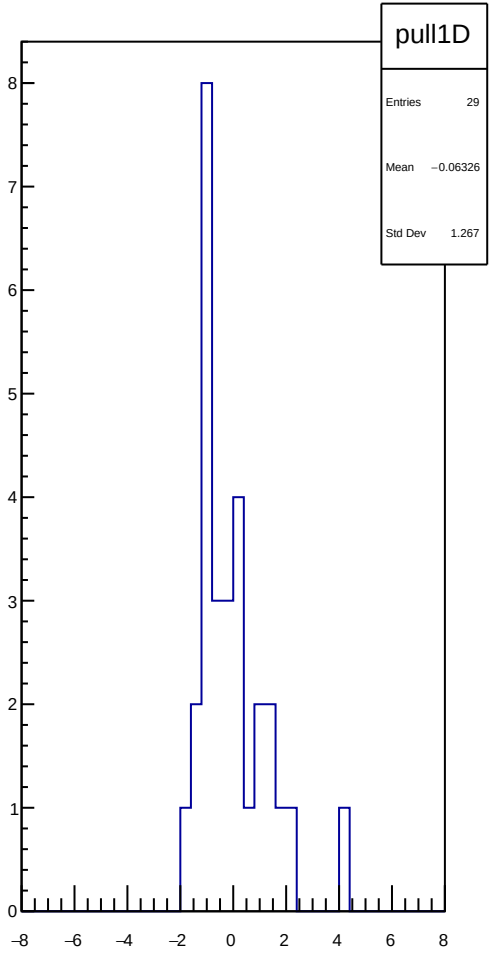

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 25.64 / 28
p0 −28.41 ± 0.3463
−24
−26
−28
−30
−32
−34
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 31.87
Std Dev 19.01
3
2
1
0
−1
−2

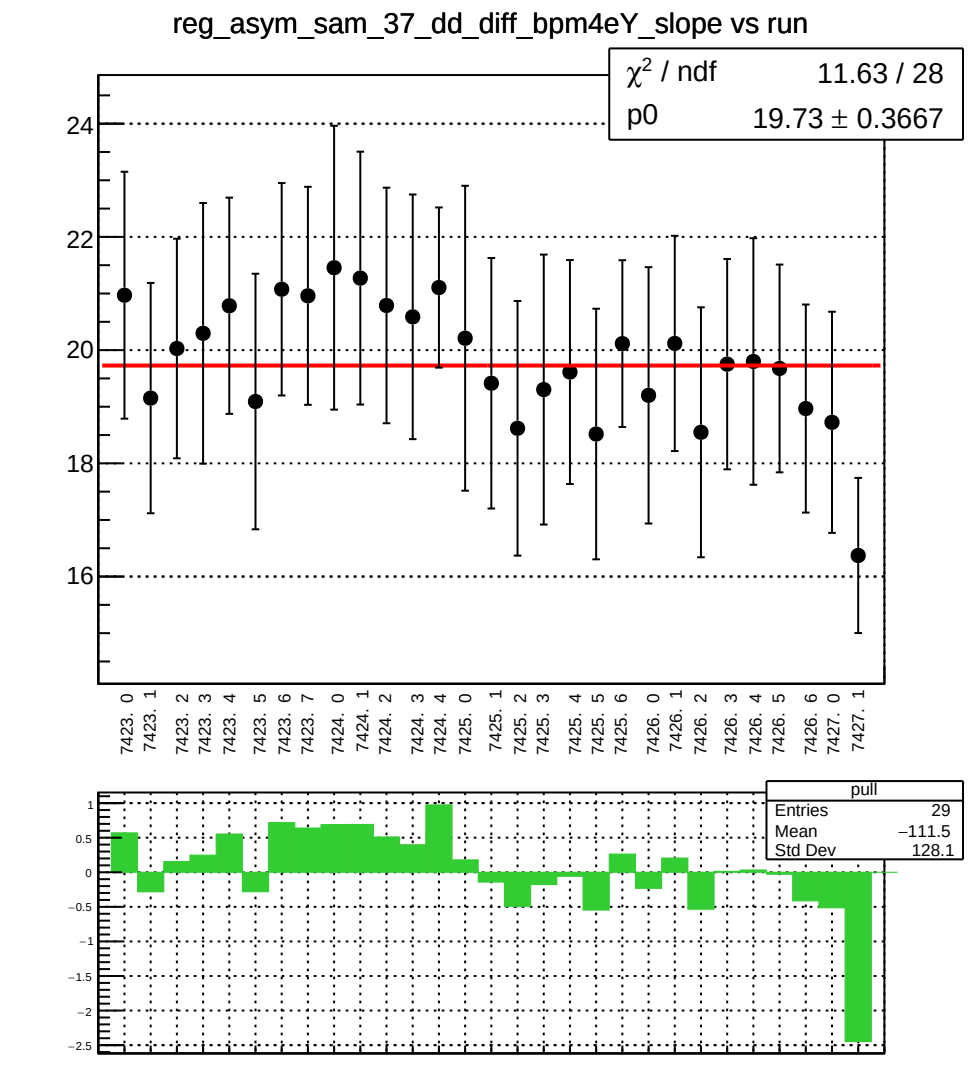

pull1D
Entries 29
Mean −0.02859
Std Dev 0.9399
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

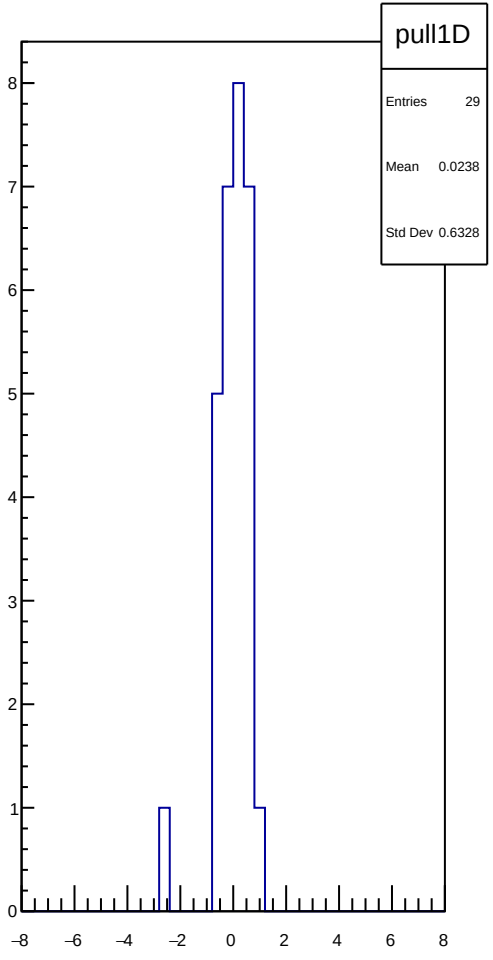

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.2 / 28
p0 −2.802 ± 0.3416
pull
Entries 29
Mean 793.8
Std Dev 777.1

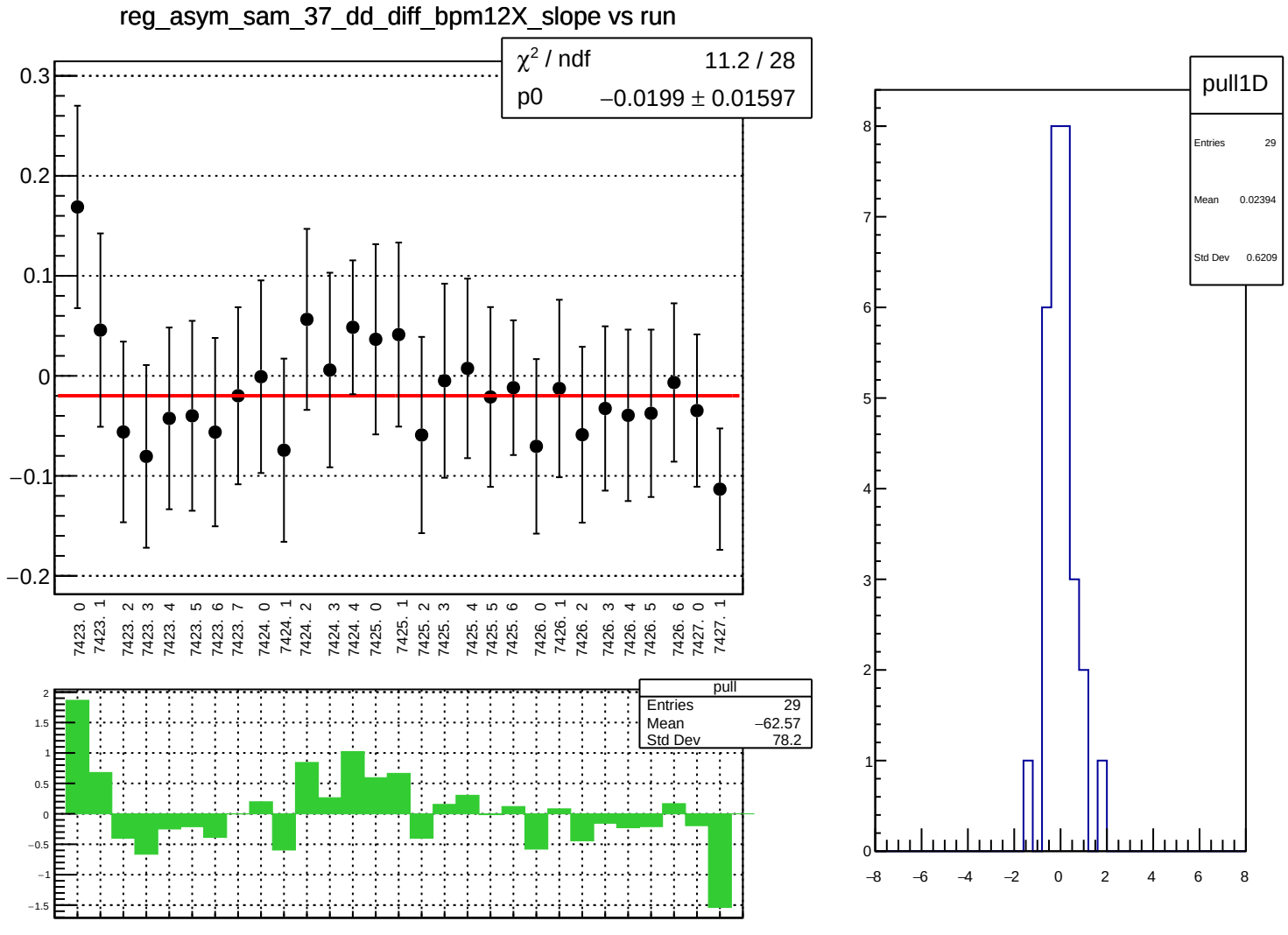

pull1D
Entries 29
Mean 0.003093
Std Dev 0.6215

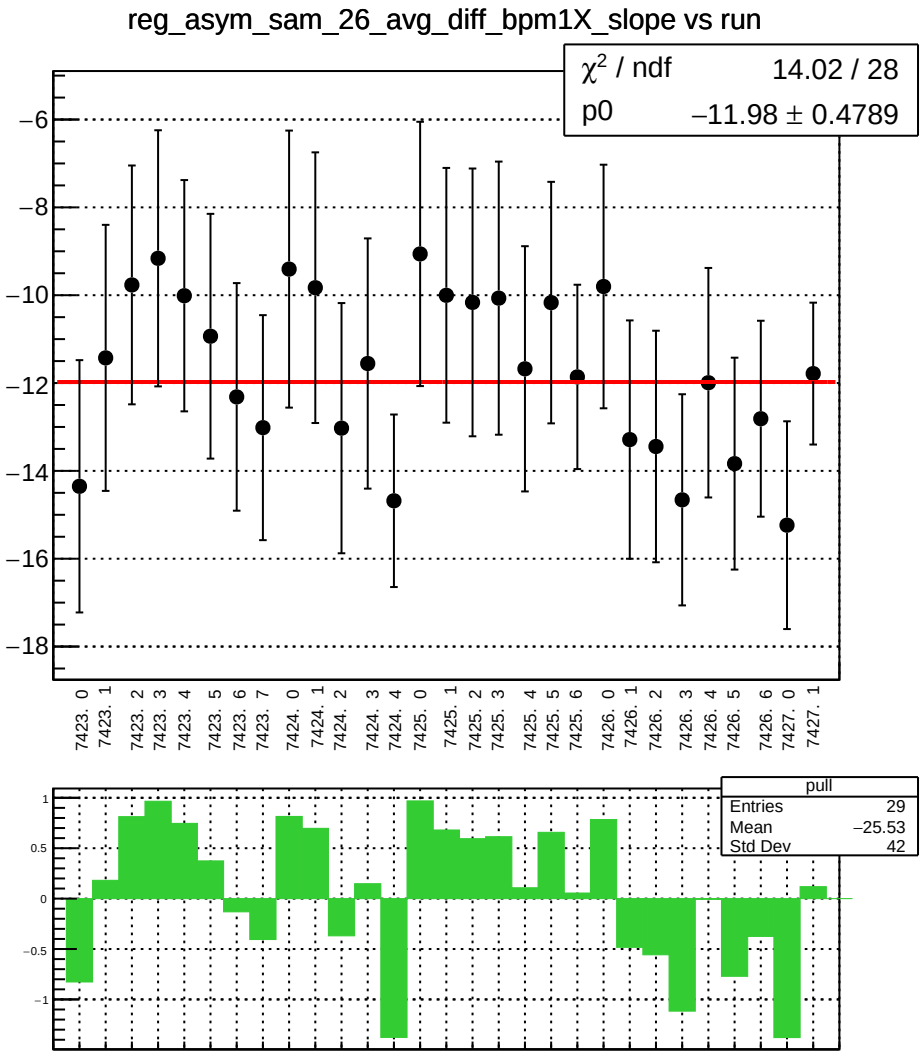

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.64 / 28
p0 −2.228 ± 0.3615
6
4
2
0
−2
−4
−6
−8
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −59.35
Std Dev 74.74
4
3
2
1
0
−1
−2

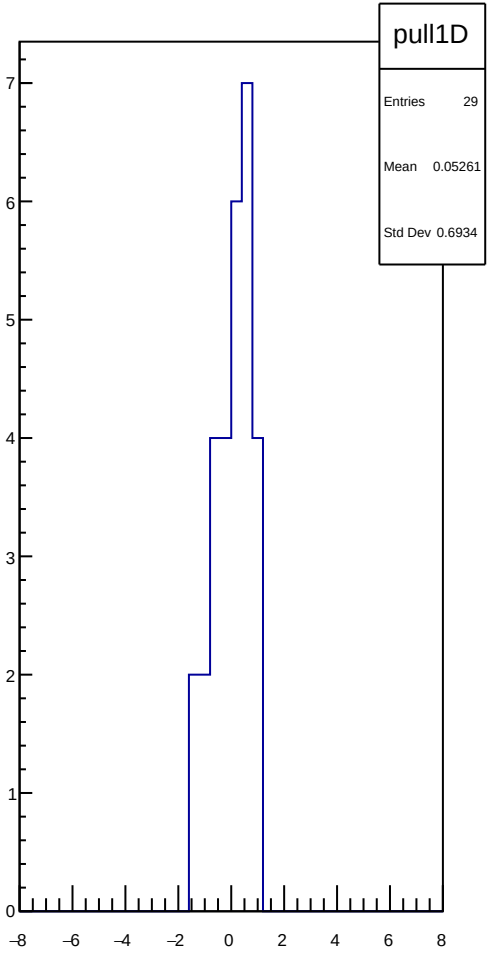

pull1D
Entries 29
Mean −0.06326
Std Dev 1.267
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

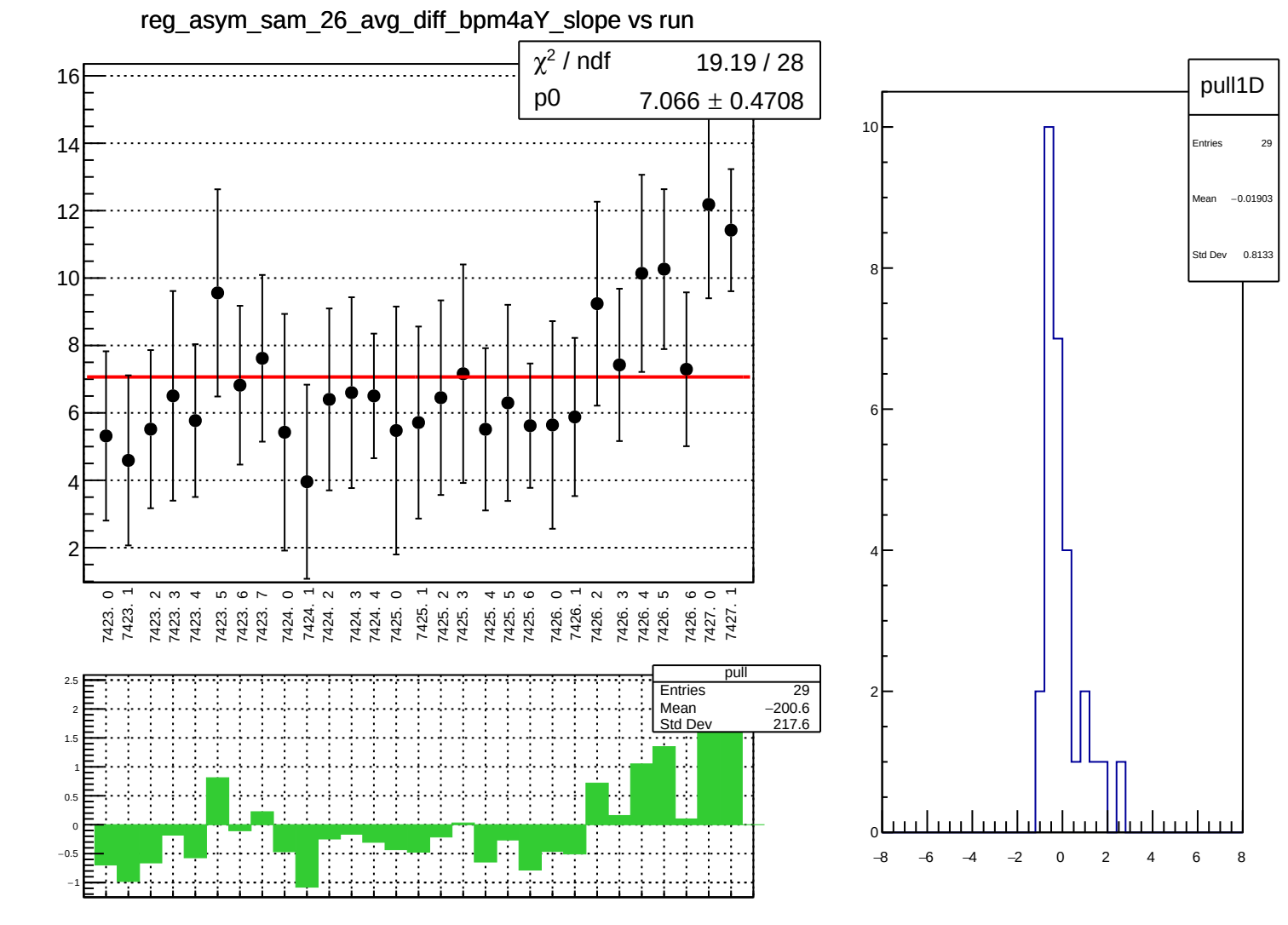

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.63 / 28
p0 19.73 ± 0.3667
24
22
20
18
16
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −111.5
Std Dev 128.1
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

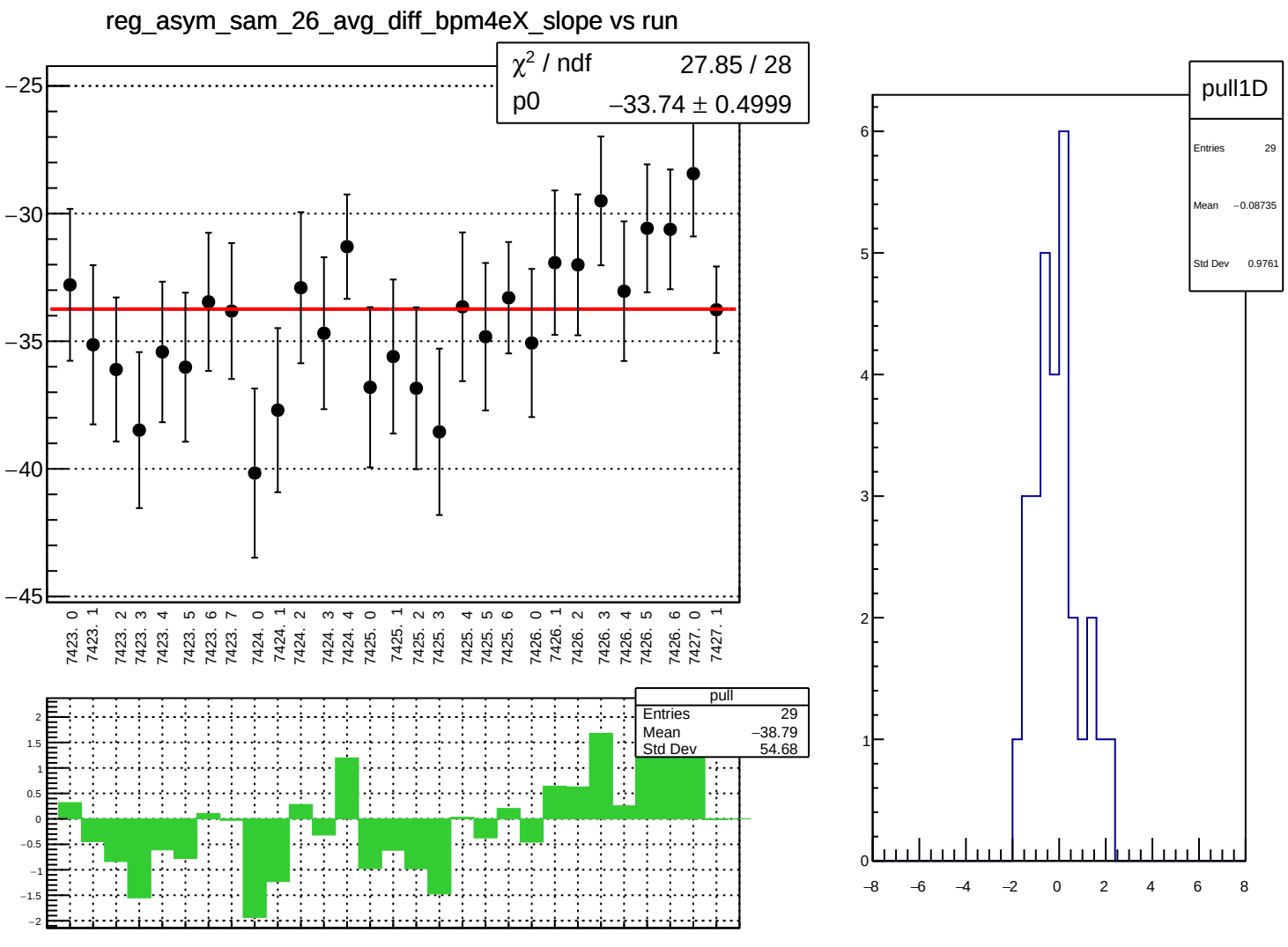

pull1D
Entries 29
Mean 0.0238
Std Dev 0.6328
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

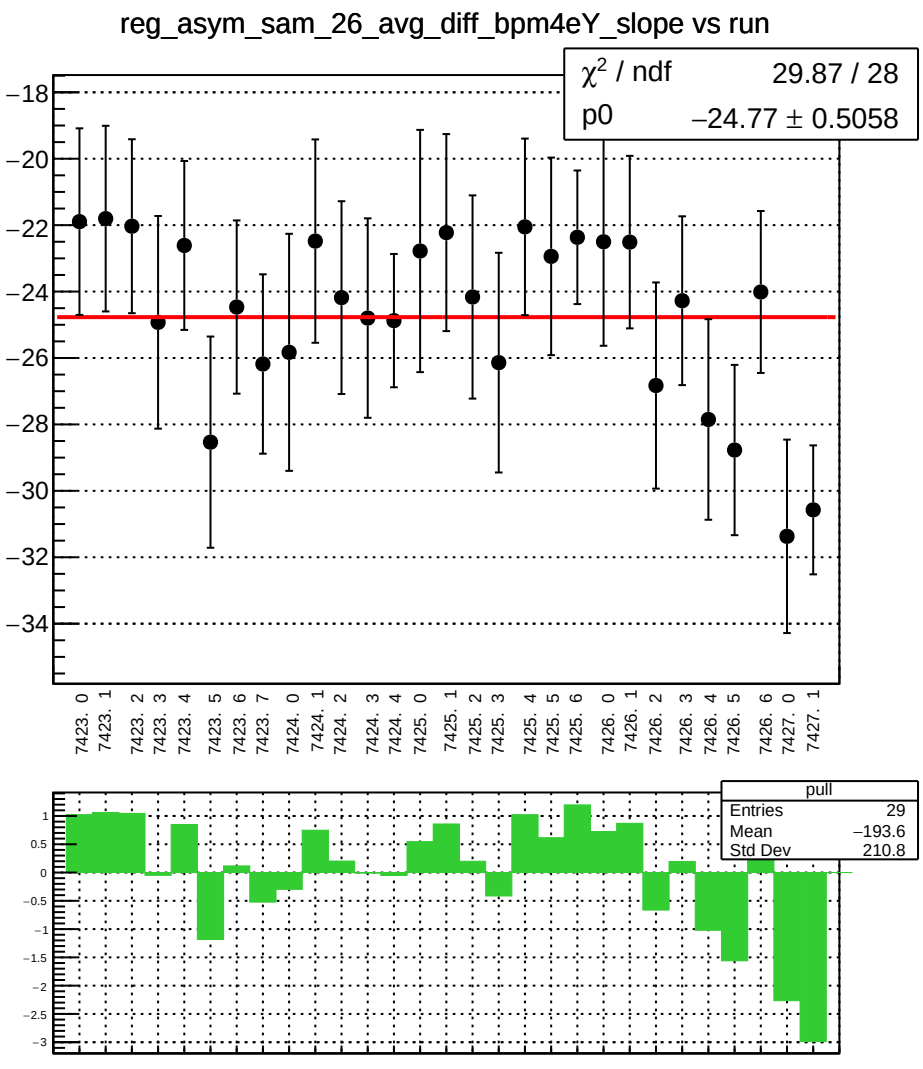

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 11.2 / 28
p0 −0.0199 ± 0.01597
0.3
0.2
0.1
0
−0.1
−0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −62.57
Std Dev 78.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.02394
Std Dev 0.6209
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

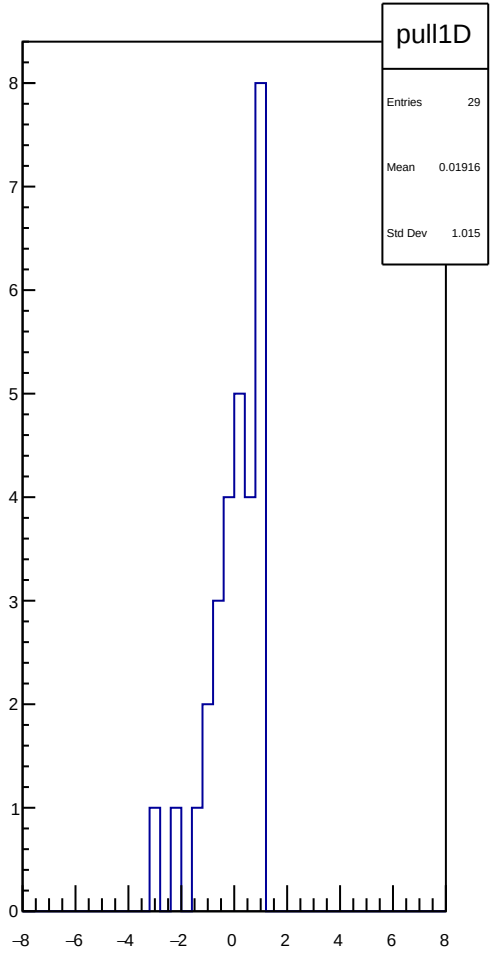

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 14.02 / 28
p0 −11.98 ± 0.4789
−6
−8
−10
−12
−14
−16
−18
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −25.53
Std Dev 42
1
0.5
0
−0.5
−1

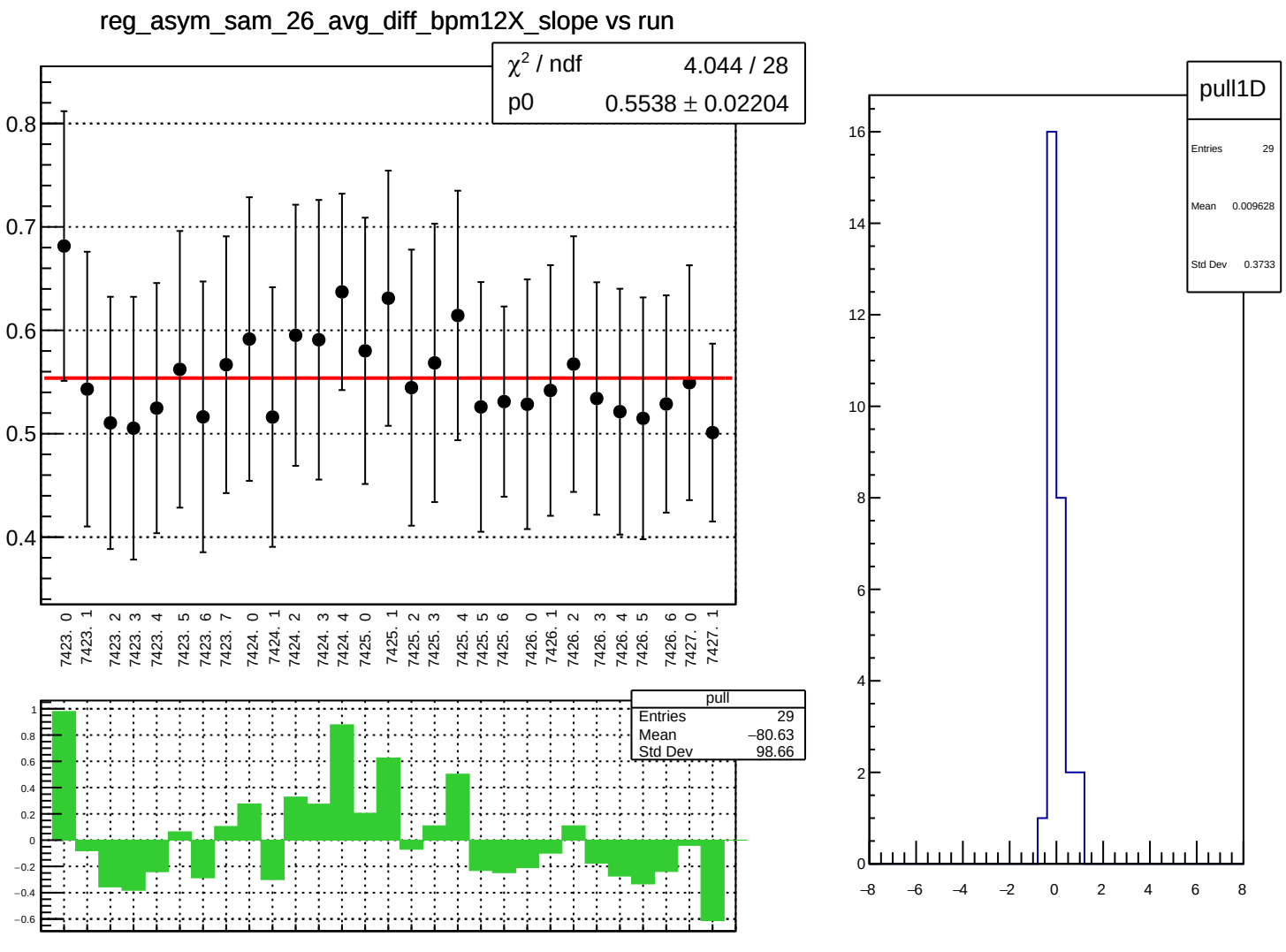

pull1D
Entries 29
Mean 0.05261
Std Dev 0.6934
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

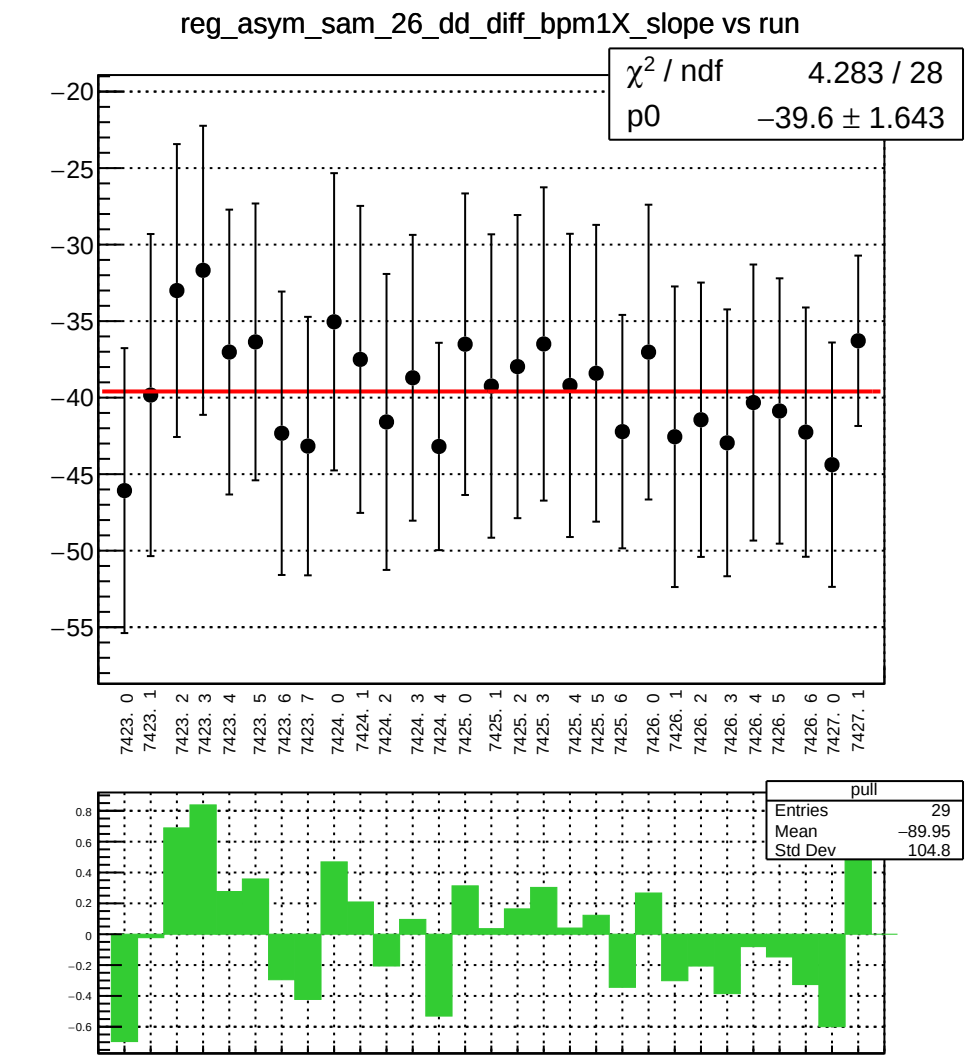

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.19 / 28
p0 7.066 ± 0.4708
pull
Entries 29
Mean −200.6
Std Dev 217.6
pull1D
Entries 29
Mean −0.01903
Std Dev 0.8133

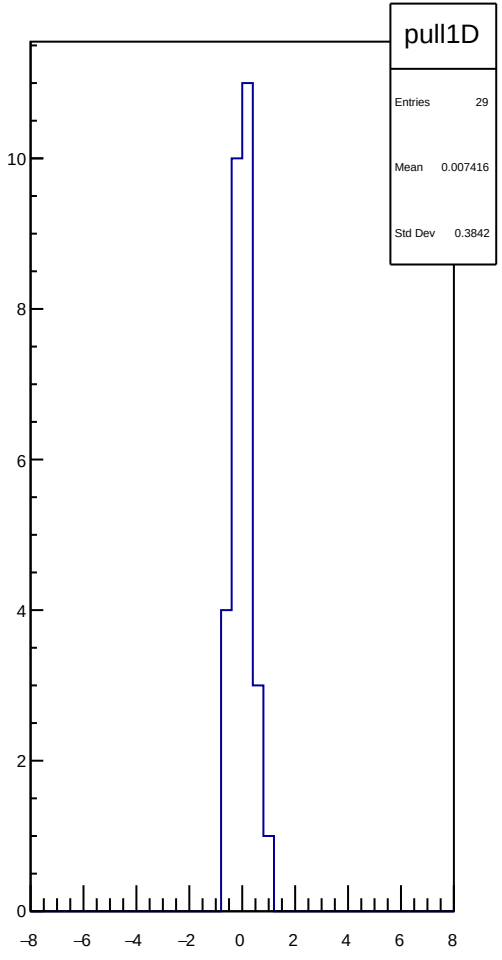

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.85 / 28
p0 −33.74 ± 0.4999
−25
−30
−35
−40
−45
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −38.79
Std Dev 54.68
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean −0.08735
Std Dev 0.9761
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

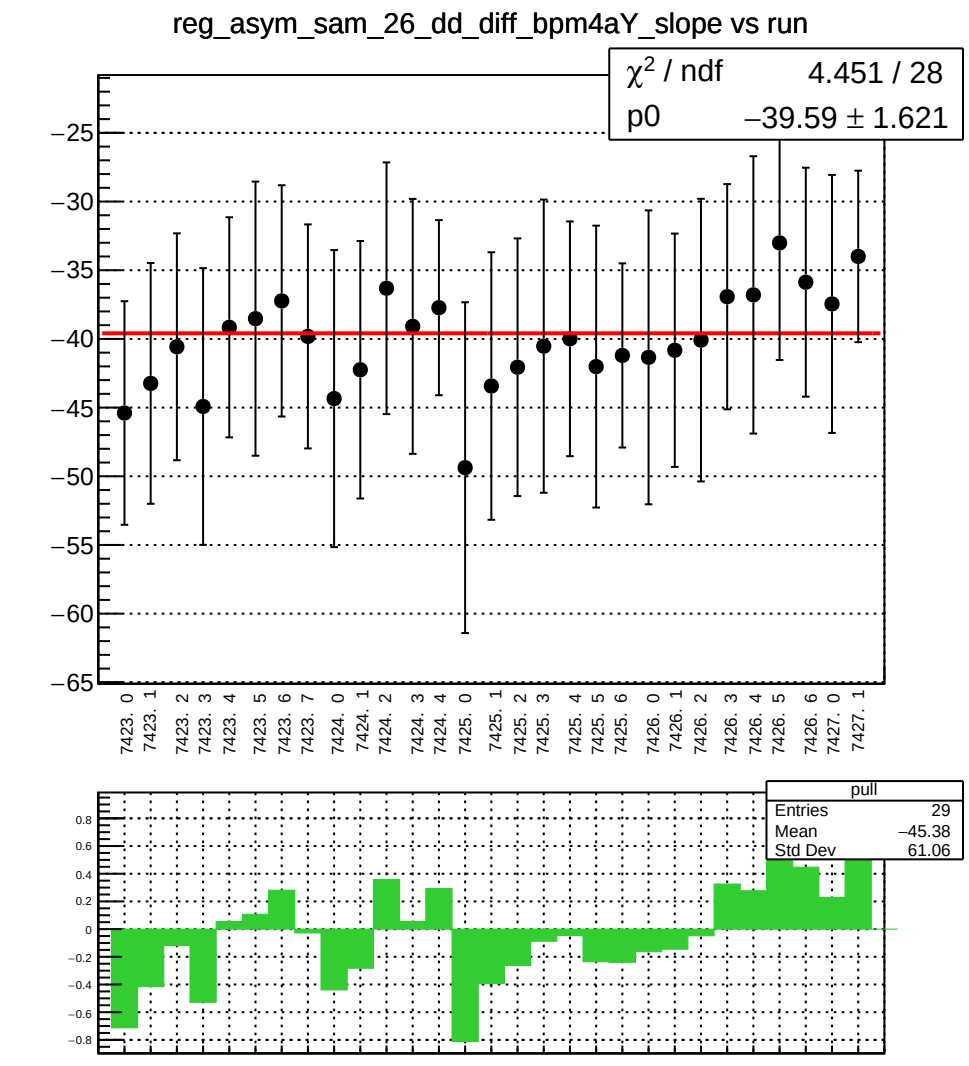

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.87 / 28
p0 −24.77 ± 0.5058
−18
−20
−22
−24
−26
−28
−30
−32
−34
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −193.6
Std Dev 210.8
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

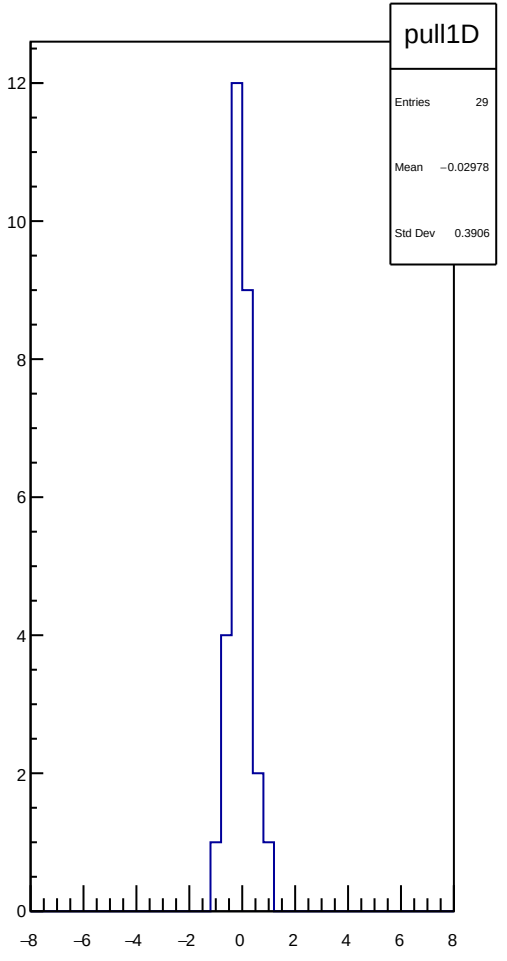

pull1D
Entries 29
Mean 0.01916
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

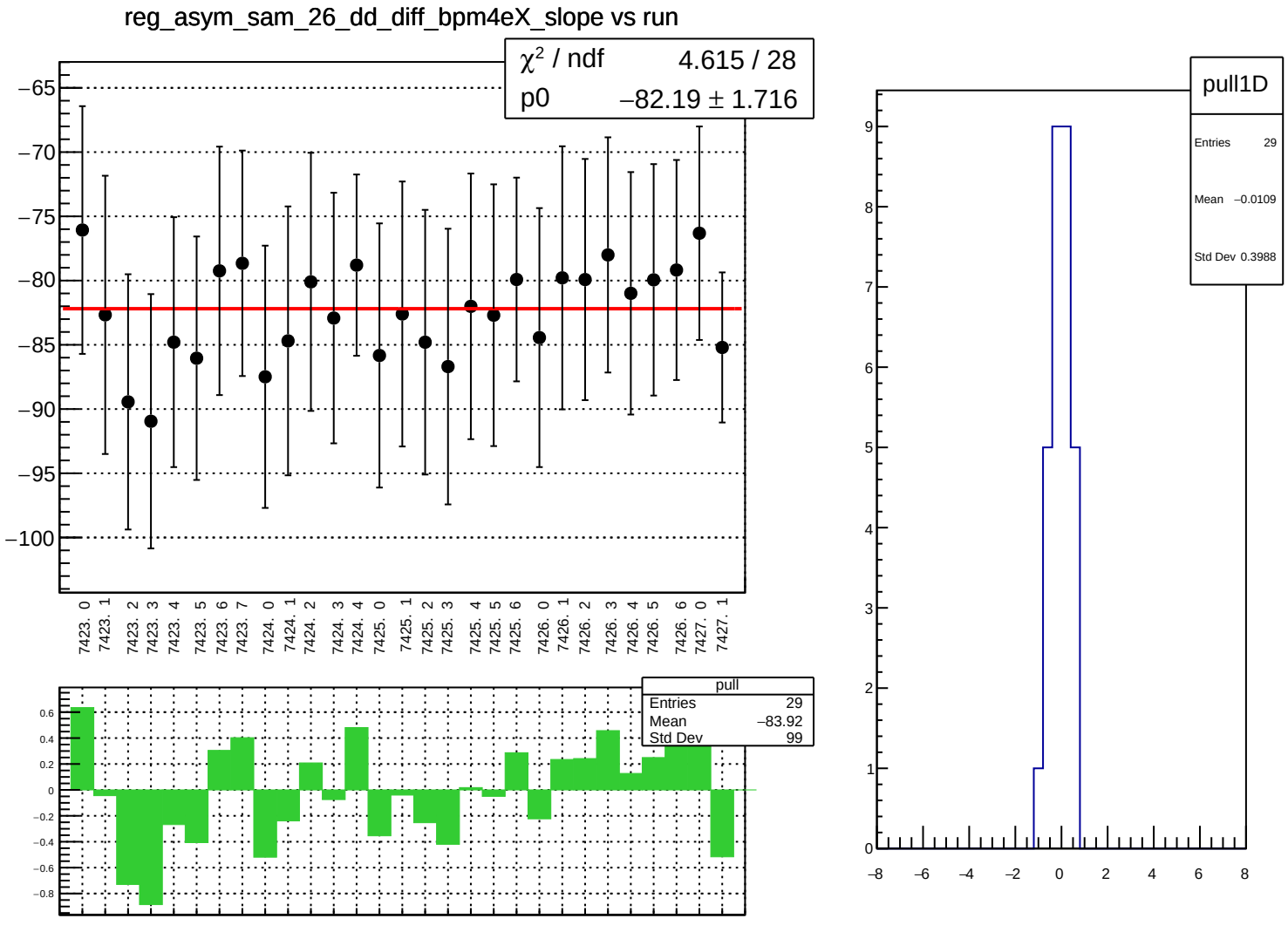

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 4.044 / 28
p0 0.5538 ± 0.02204
0.8
0.7
0.6
0.5
0.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −80.63
Std Dev 98.66
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 29
Mean 0.009628
Std Dev 0.3733
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

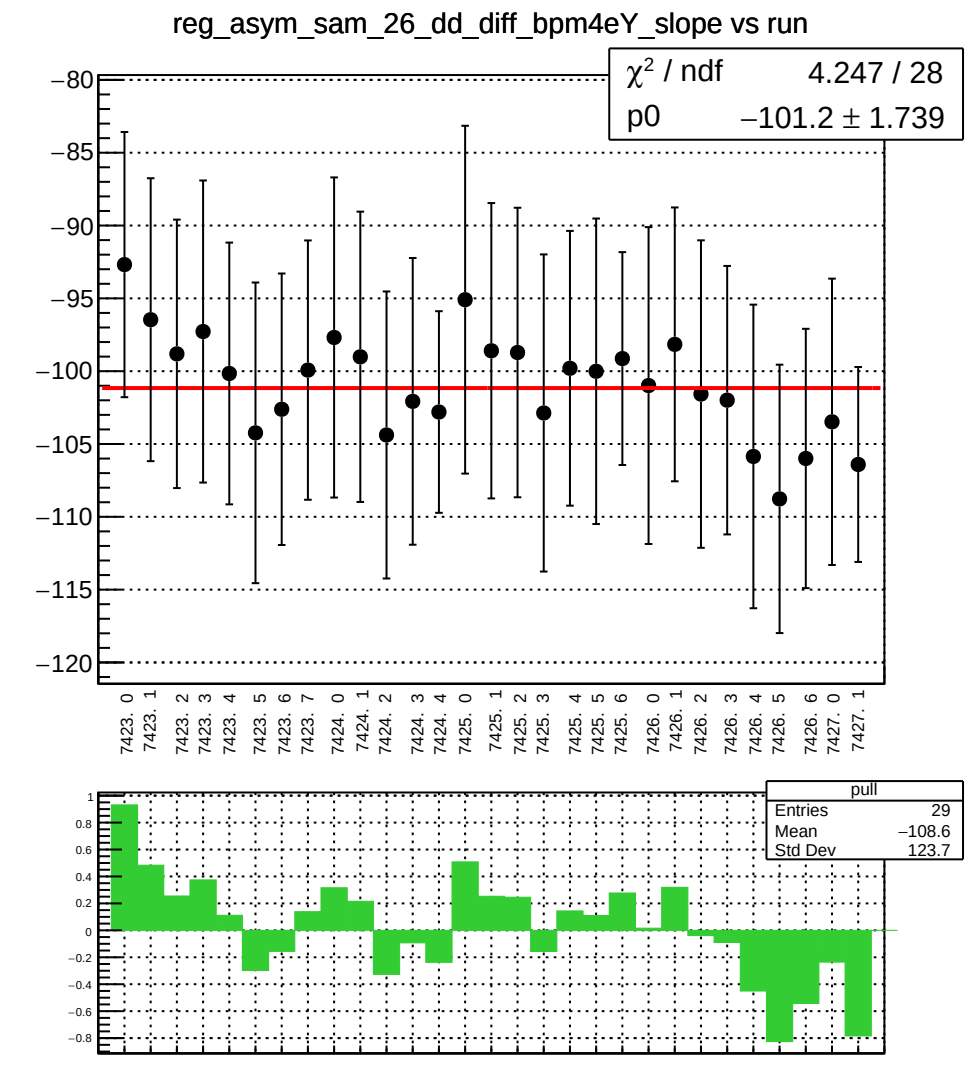

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 4.283 / 28
p0 −39.6 ± 1.643
pull
Entries 29
Mean −89.95
Std Dev 104.8

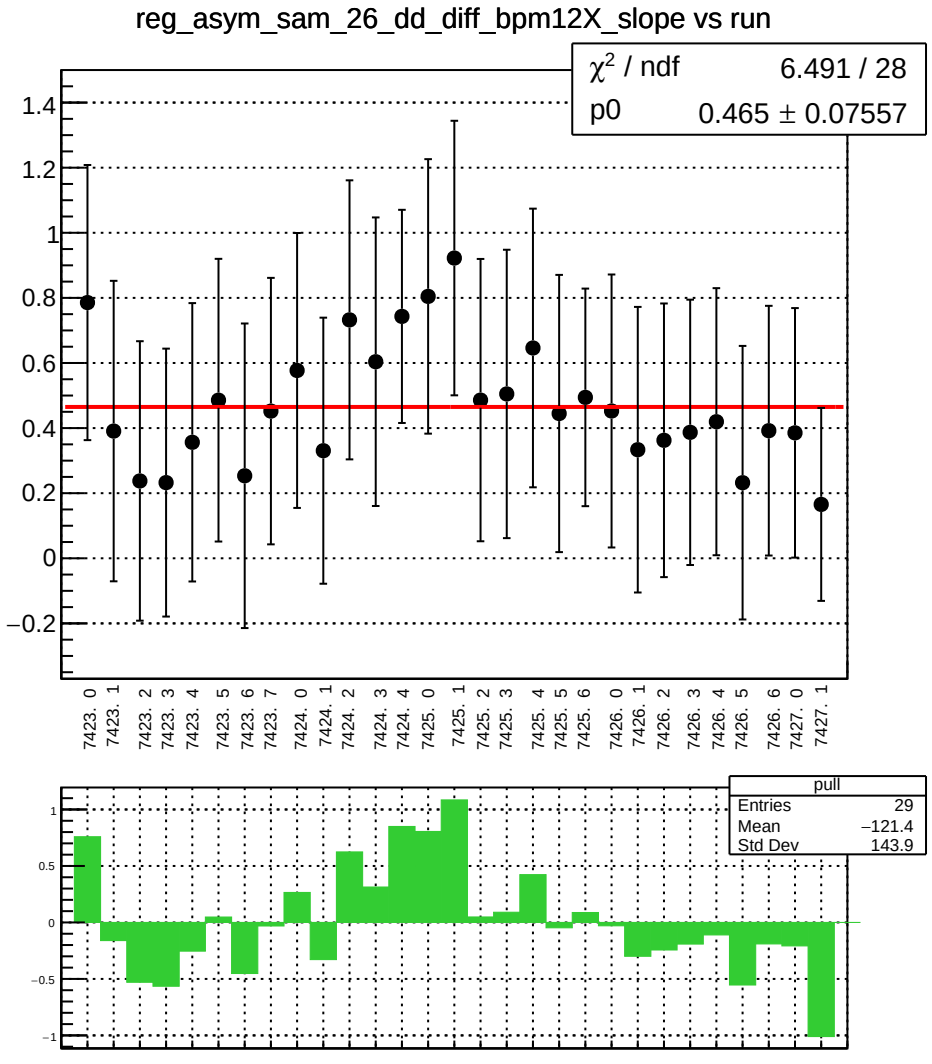

pull1D
Entries 29
Mean 0.007416
Std Dev 0.3842

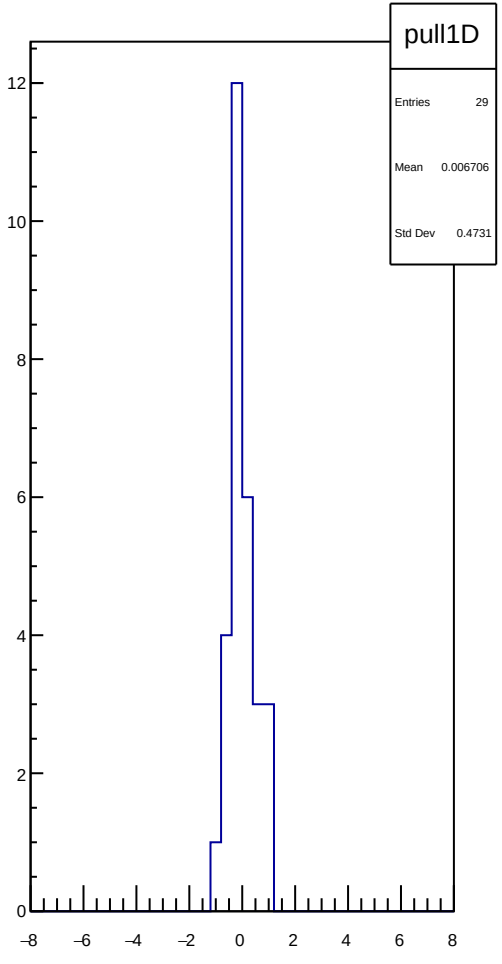

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.451 / 28
p0 −39.59 ± 1.621
−25
−30
−35
−40
−45
−50
−55
−60
−65
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −45.38
Std Dev 61.06
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

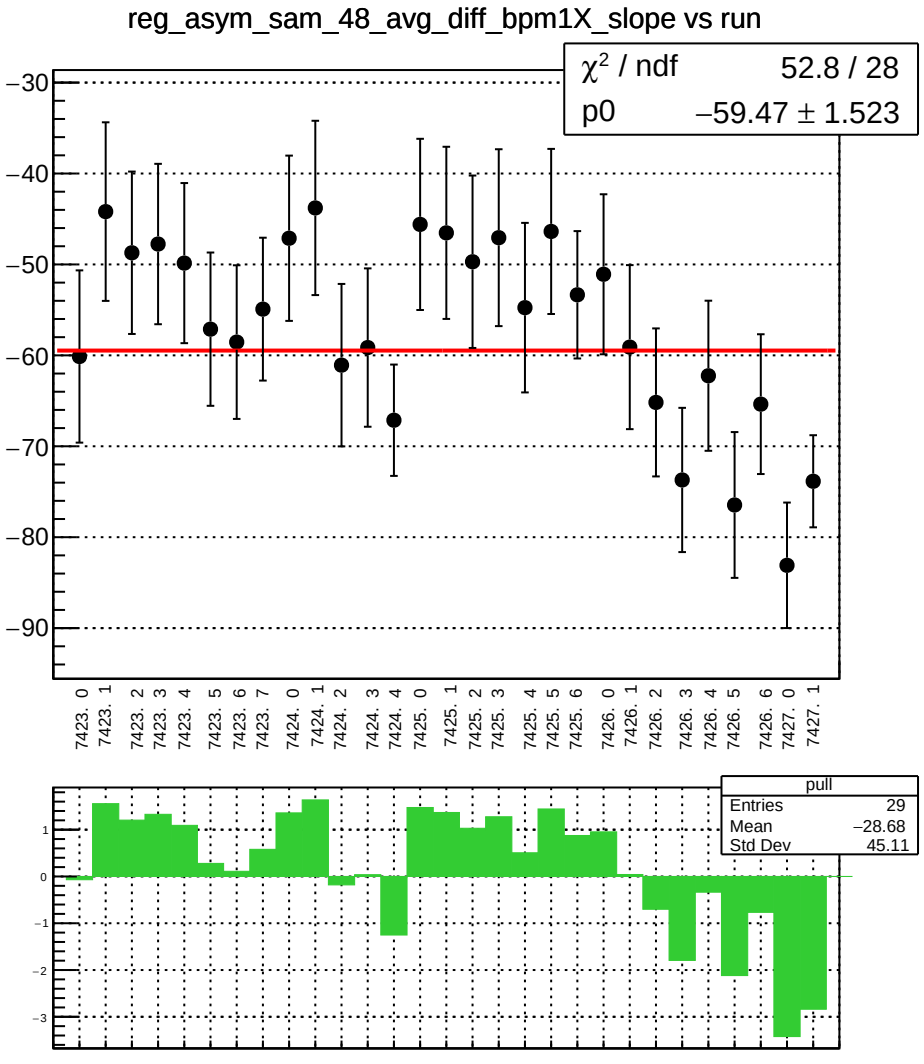

pull1D
Entries 29
Mean −0.02978
Std Dev 0.3906
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

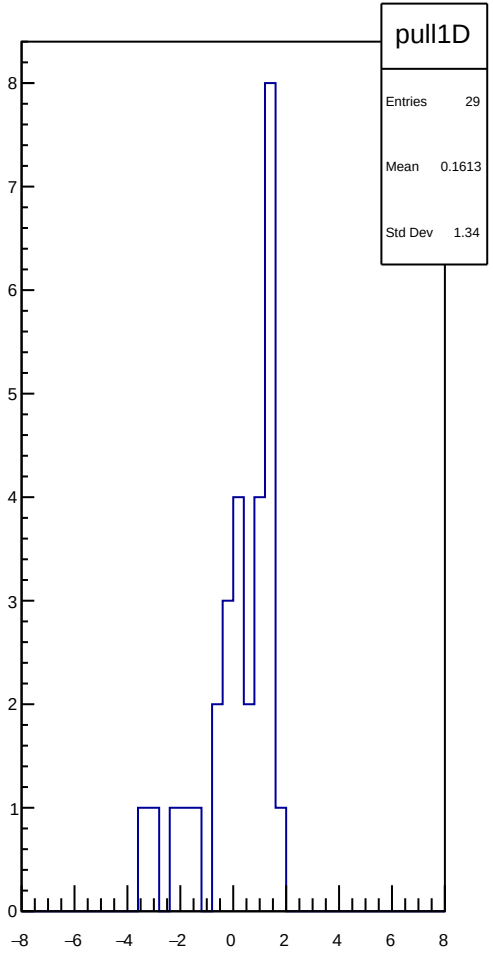

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.615 / 28
p0 −82.19 ± 1.716
−65
−70
−75
−80
−85
−90
−95
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −83.92
Std Dev 99
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 29
Mean −0.0109
Std Dev 0.3988
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

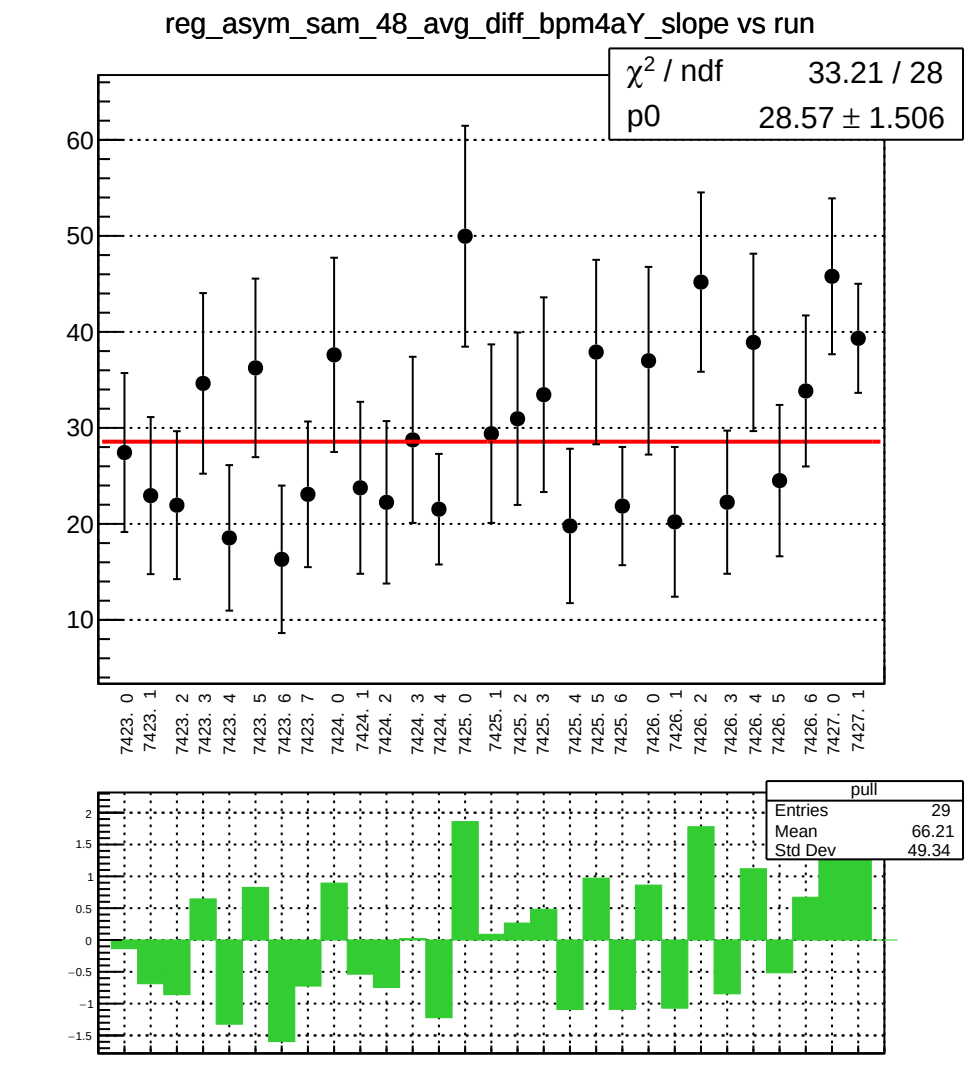

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.247 / 28
p0 −101.2 ± 1.739
pull
Entries 29
Mean −108.6
Std Dev 123.7
pull1D
Entries 29
Mean 0.01591
Std Dev 0.3823

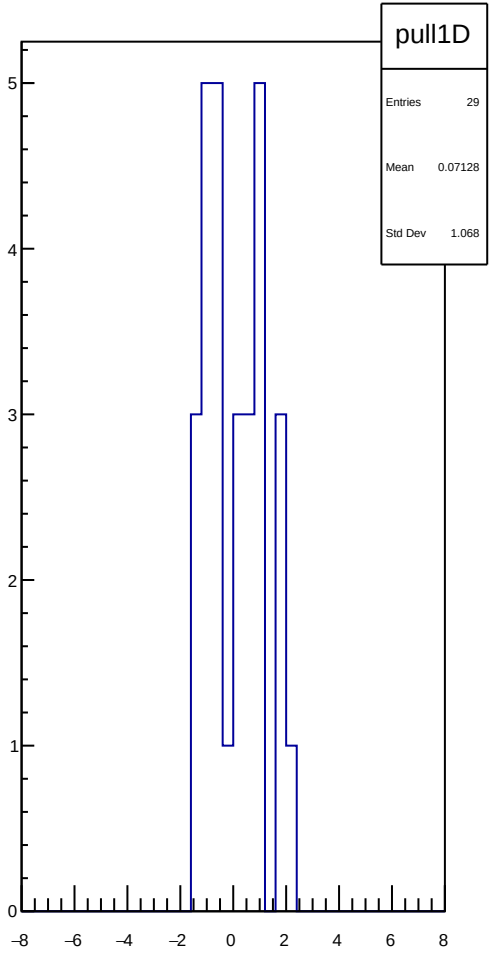

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.491 / 28
p0 0.465 ± 0.07557
pull
Entries 29
Mean −121.4
Std Dev 143.9

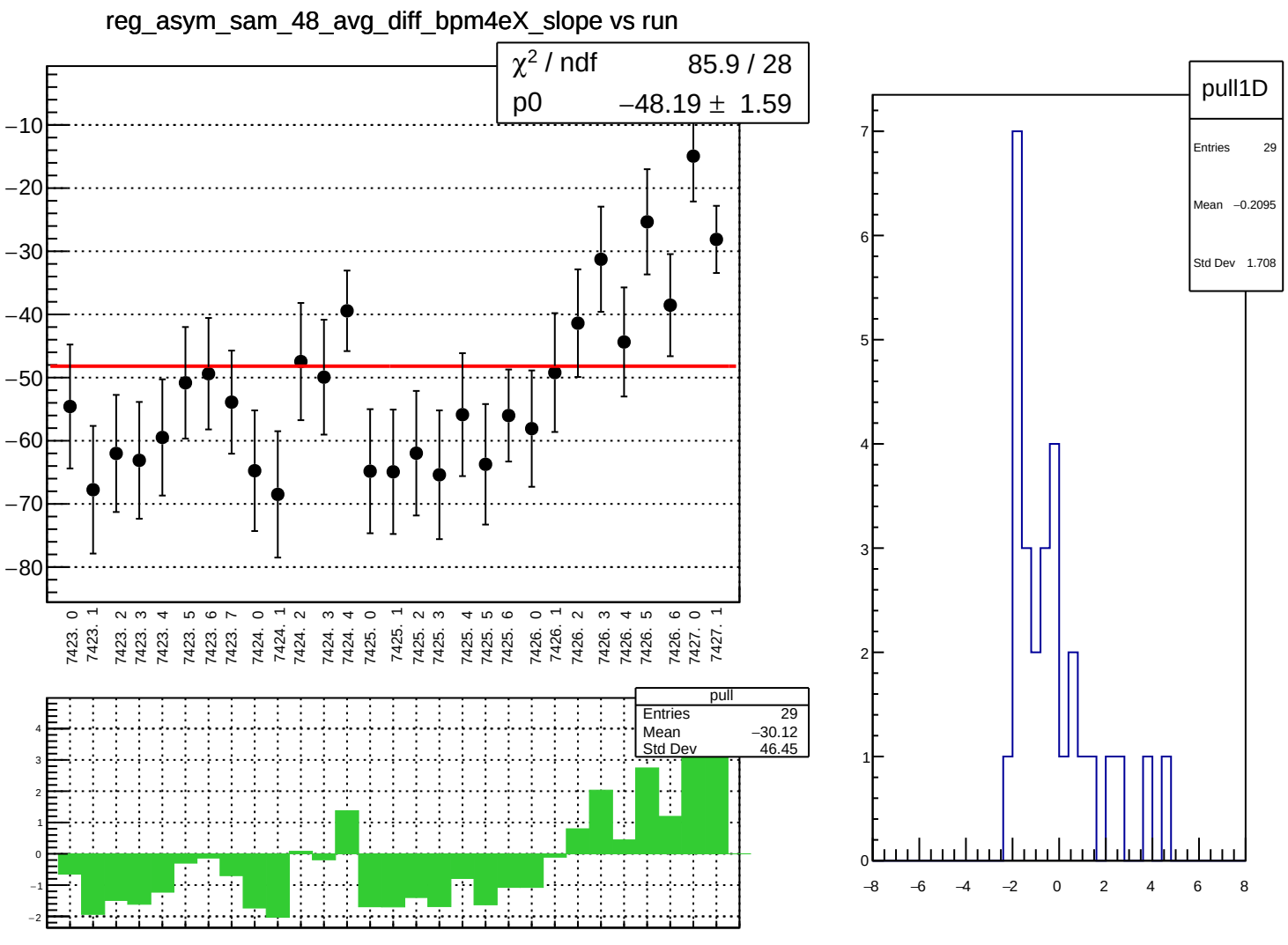

pull1D
Entries 29
Mean 0.006706
Std Dev 0.4731

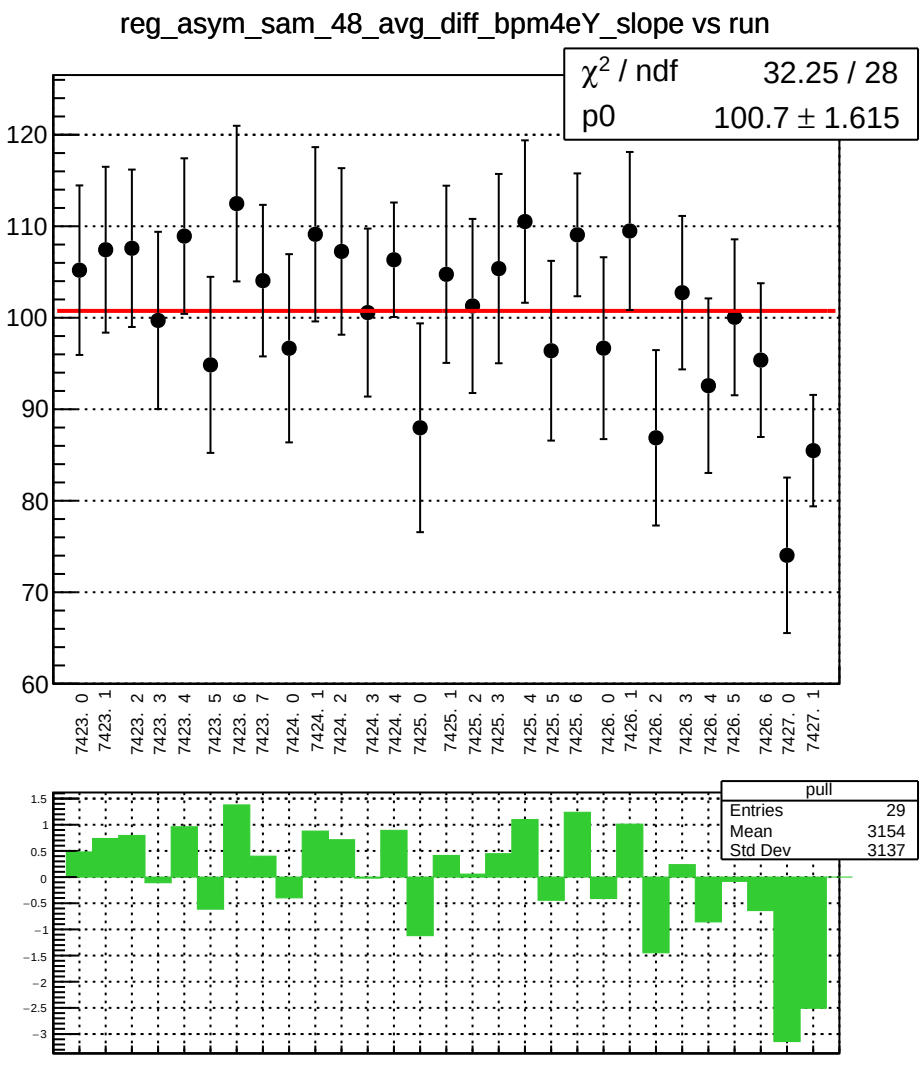

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 52.8 / 28
p0 −59.47 ± 1.523
pull
Entries 29
Mean −28.68
Std Dev 45.11

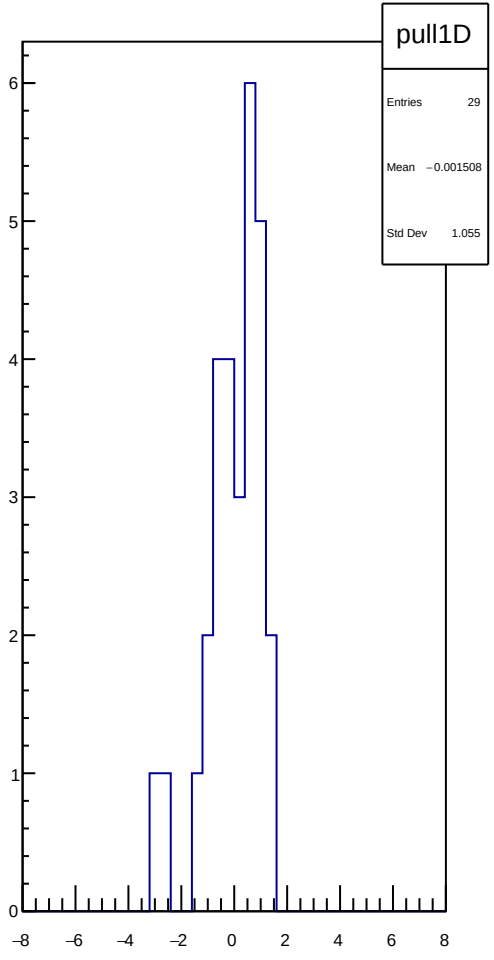

pull1D
Entries 29
Mean 0.1613
Std Dev 1.34

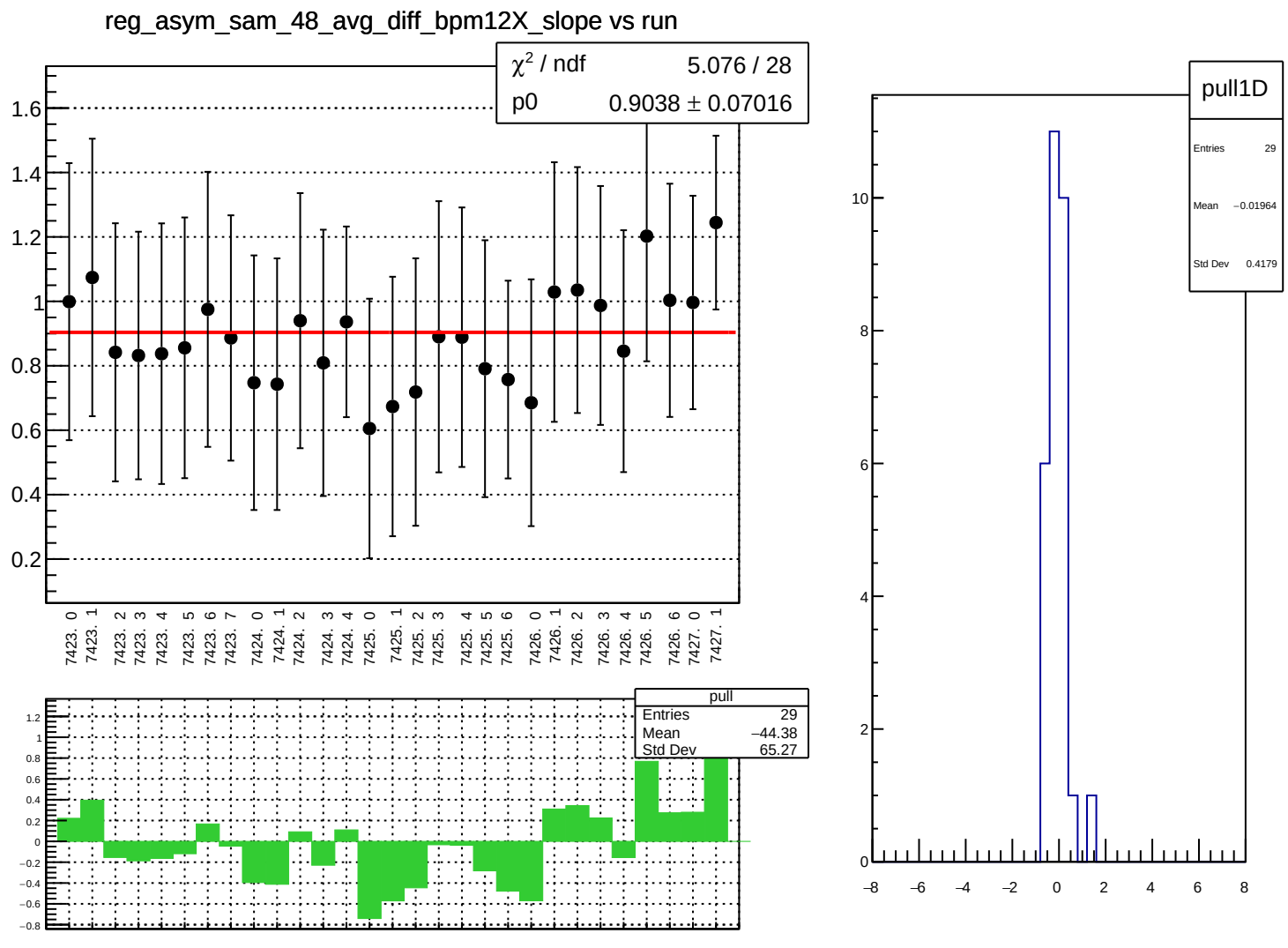

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.21 / 28
p0 28.57 ± 1.506
60
50
40
30
20
10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 66.21
Std Dev 49.34
2
1.5
1
0.5
0
−0.5
−1
−1.5

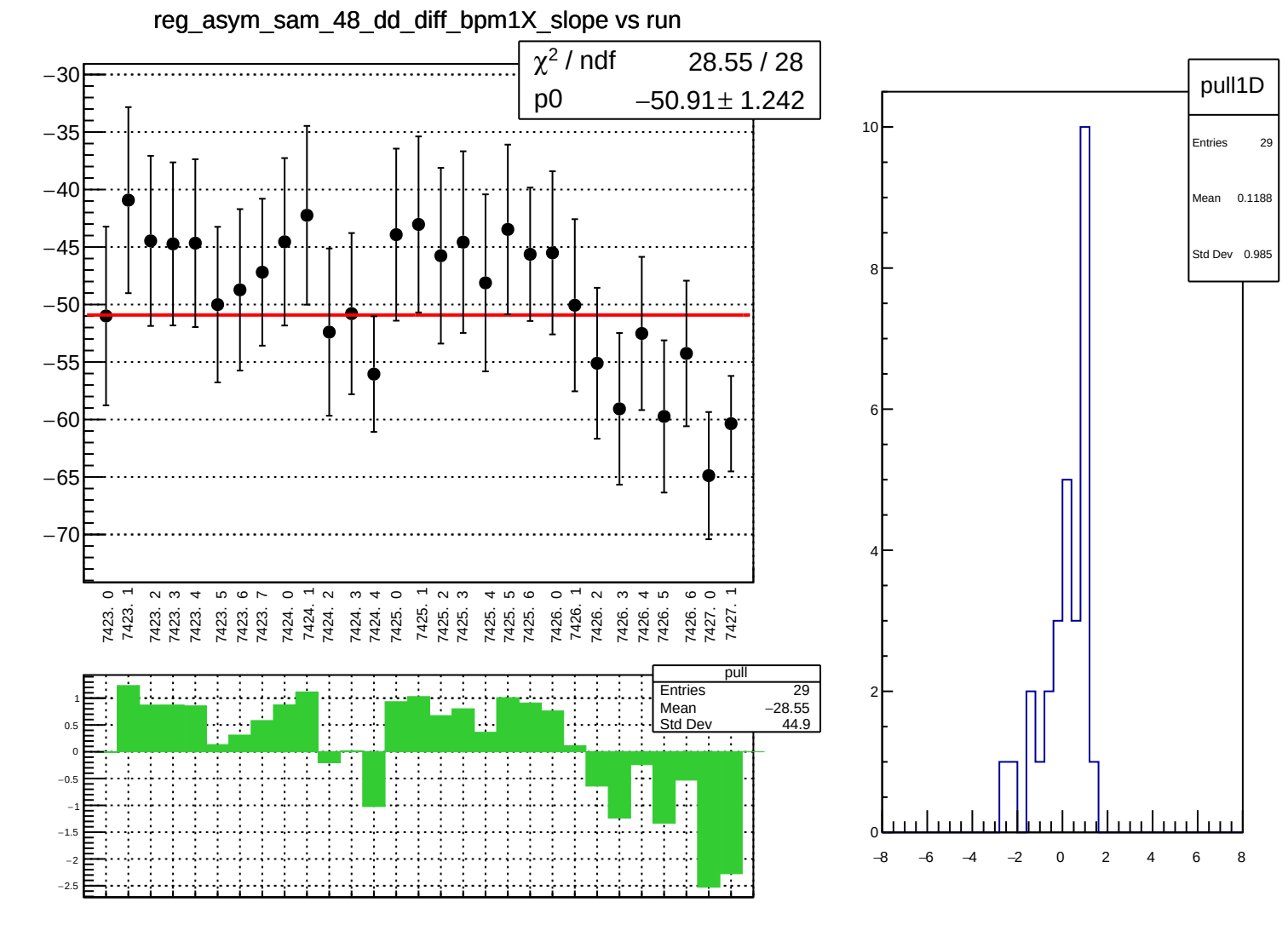

pull1D
Entries 29
Mean 0.07128
Std Dev 1.068
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

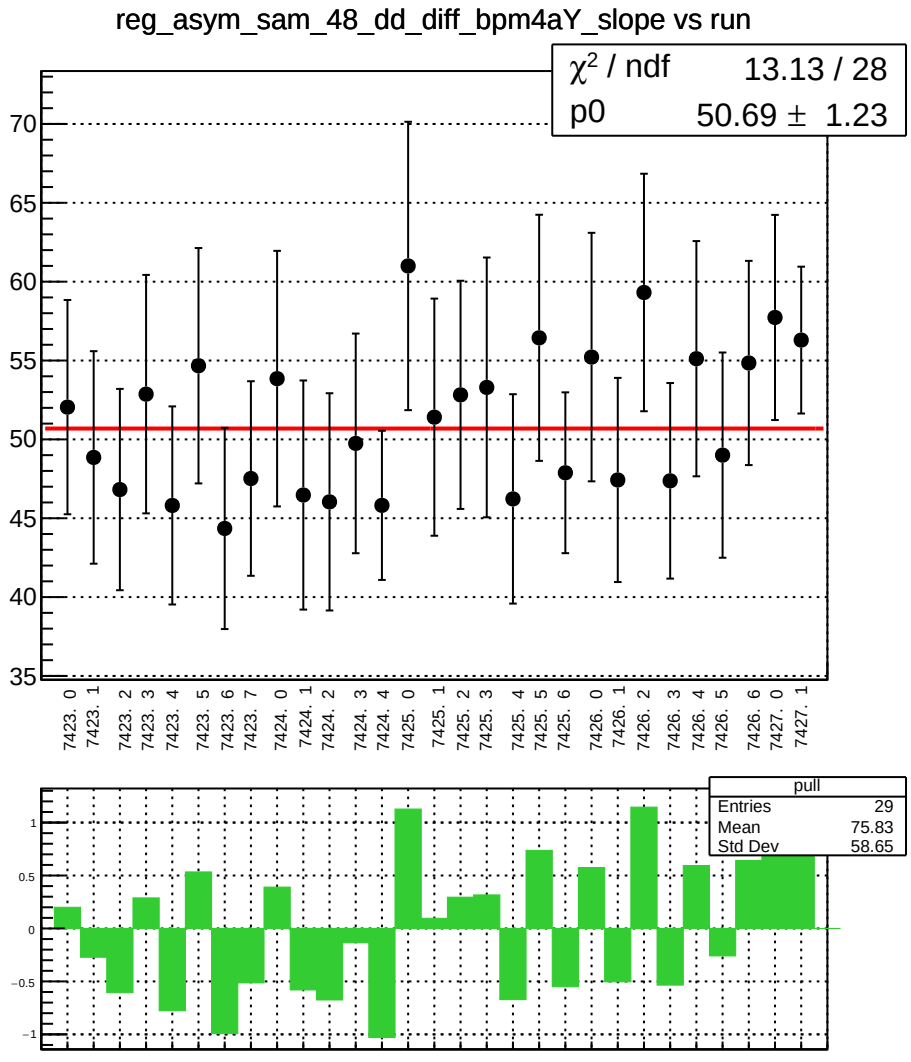

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 85.9 / 28
p0 −48.19 ± 1.59
−10
−20
−30
−40
−50
−60
−70
−80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.12
Std Dev 46.45
4
3
2
1
0
−1
−2
pull1D
Entries 29
Mean −0.2095
Std Dev 1.708
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

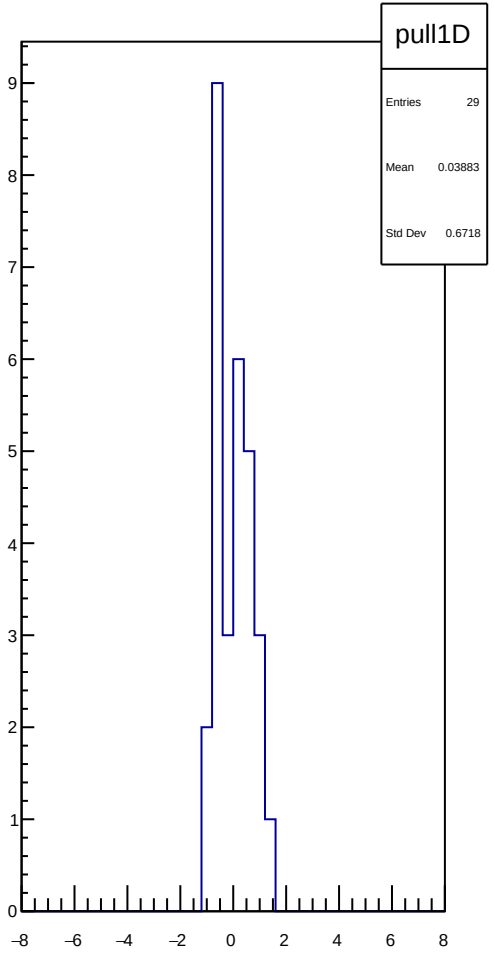

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.25 / 28
p0 100.7 ± 1.615
120
110
100
90
80
70
60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 3154
Std Dev 3137
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

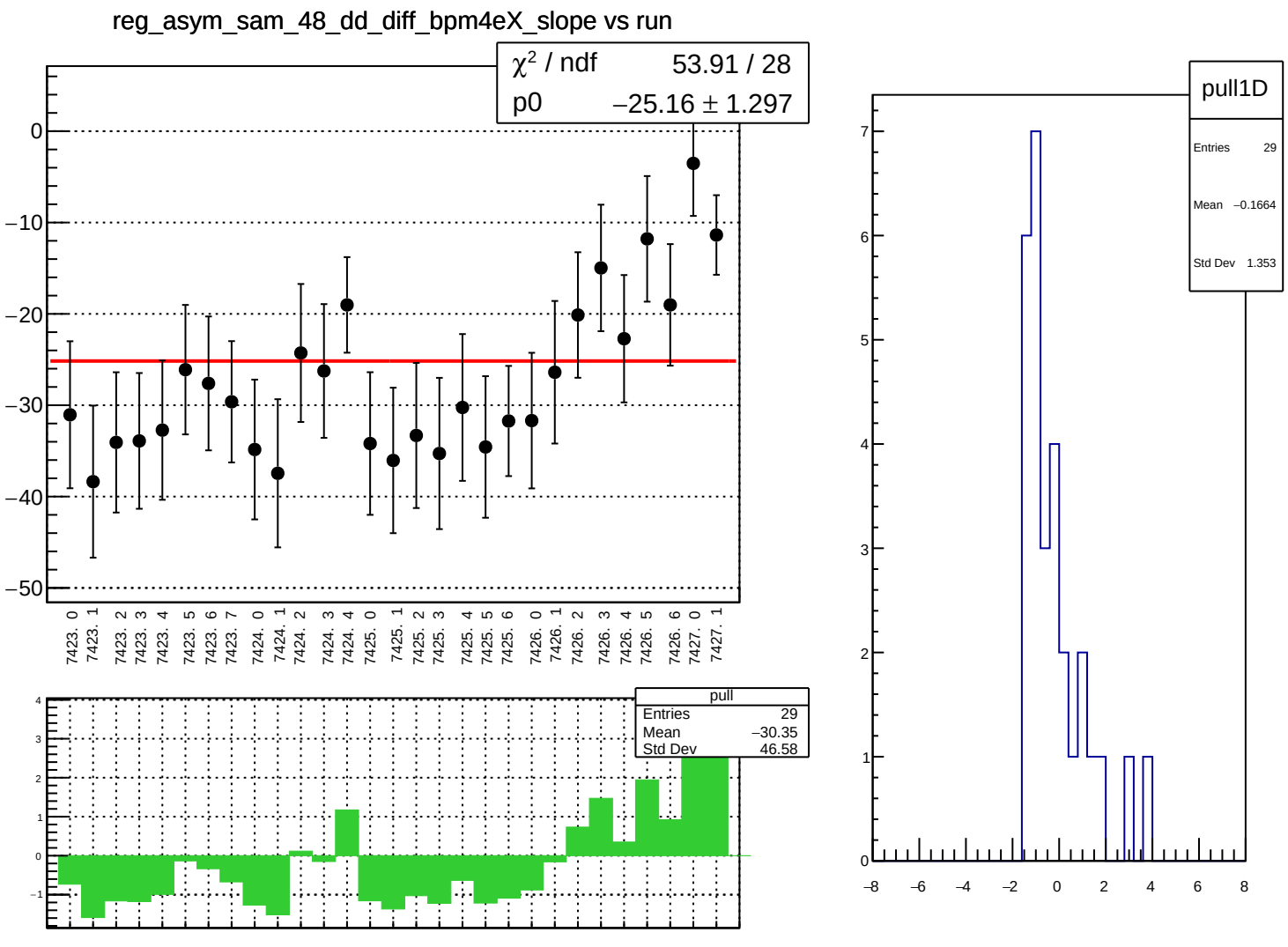

pull1D
Entries 29
Mean −0.001508
Std Dev 1.055
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

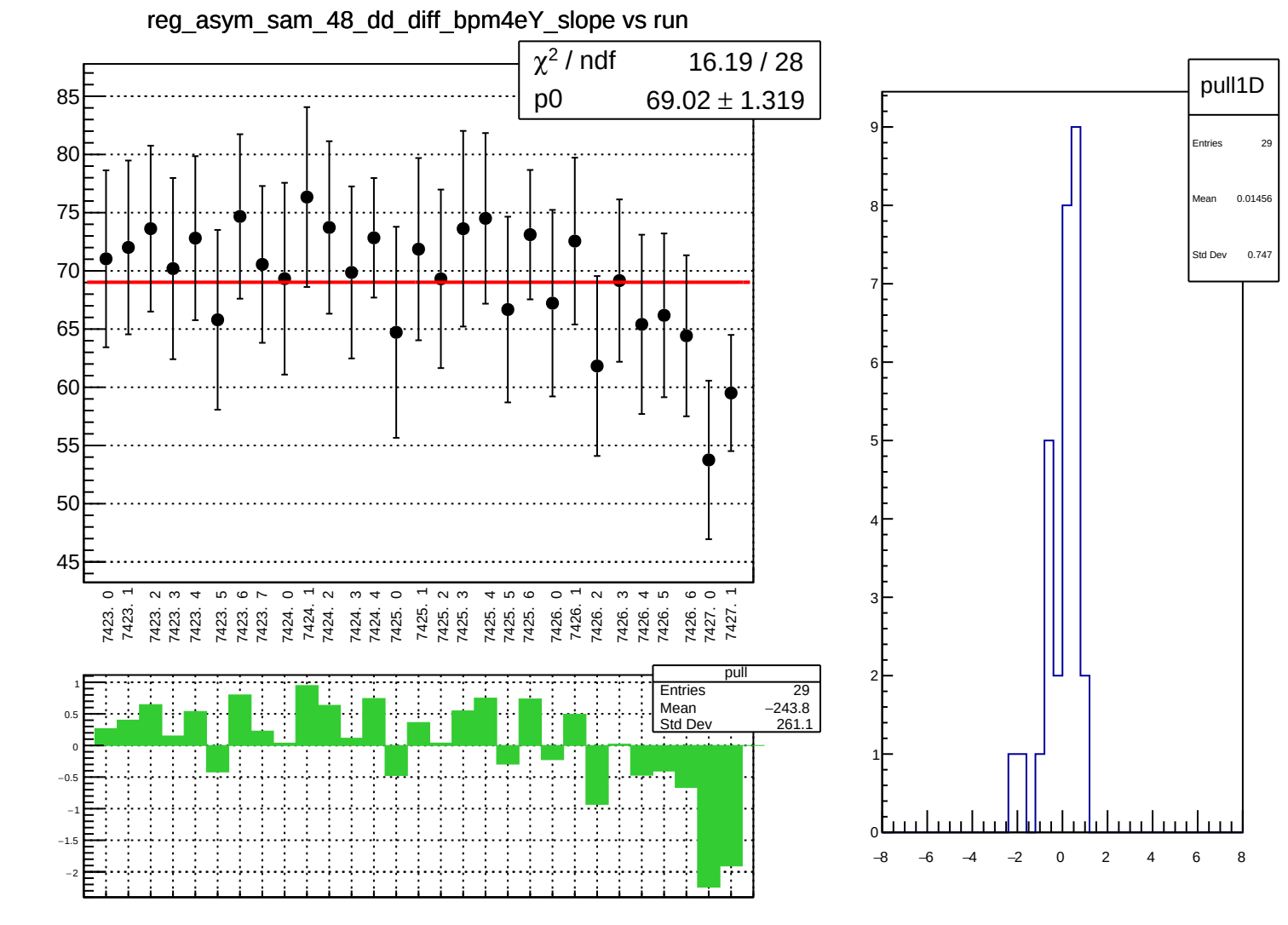

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 5.076 / 28
p0 0.9038 ± 0.07016
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −44.38
Std Dev 65.27
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 29
Mean −0.01964
Std Dev 0.4179
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

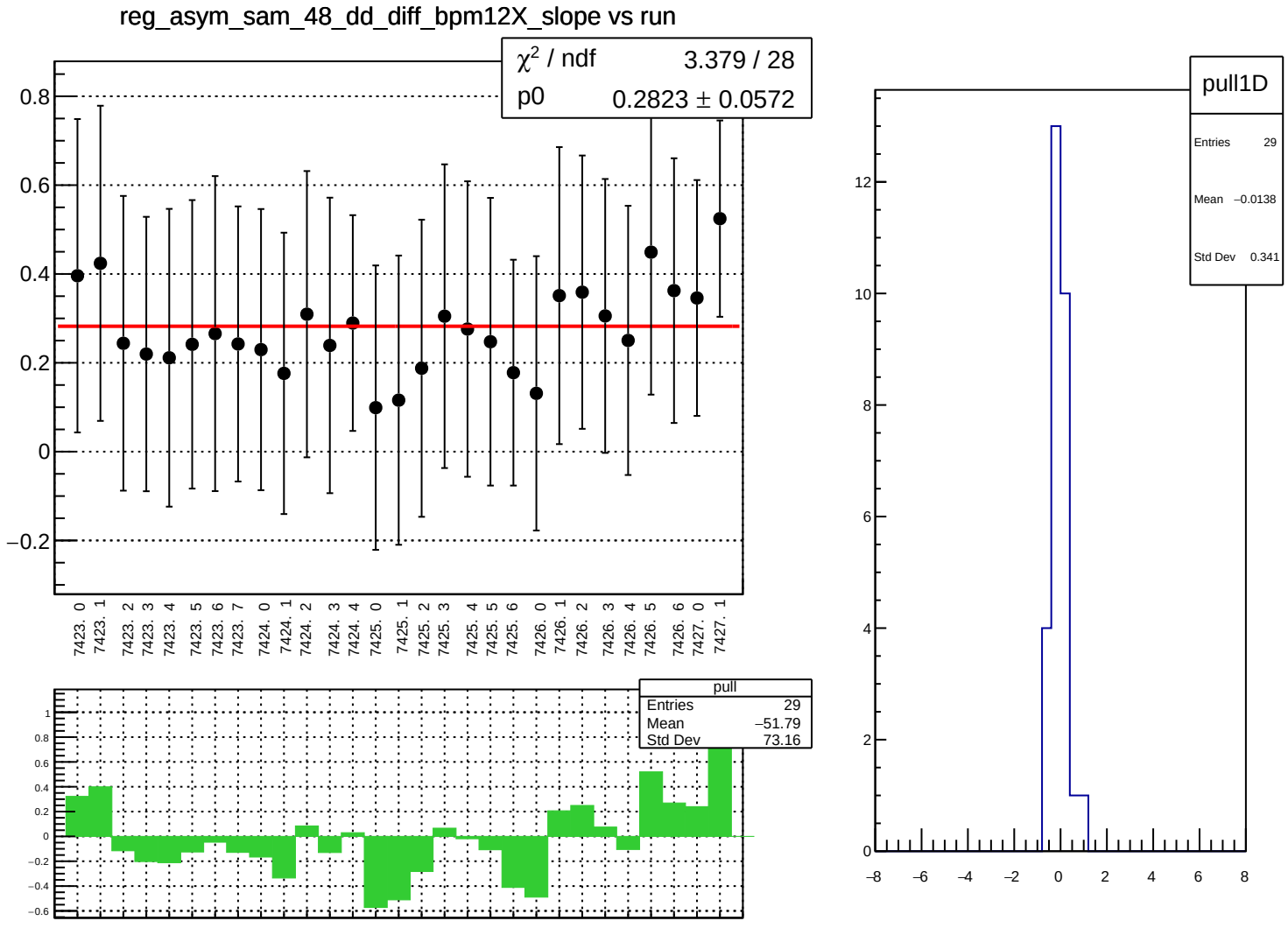

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 28.55 / 28
p0 −50.91± 1.242
pull
Entries 29
Mean −28.55
Std Dev 44.9
pull1D
Entries 29
Mean 0.1188
Std Dev 0.985

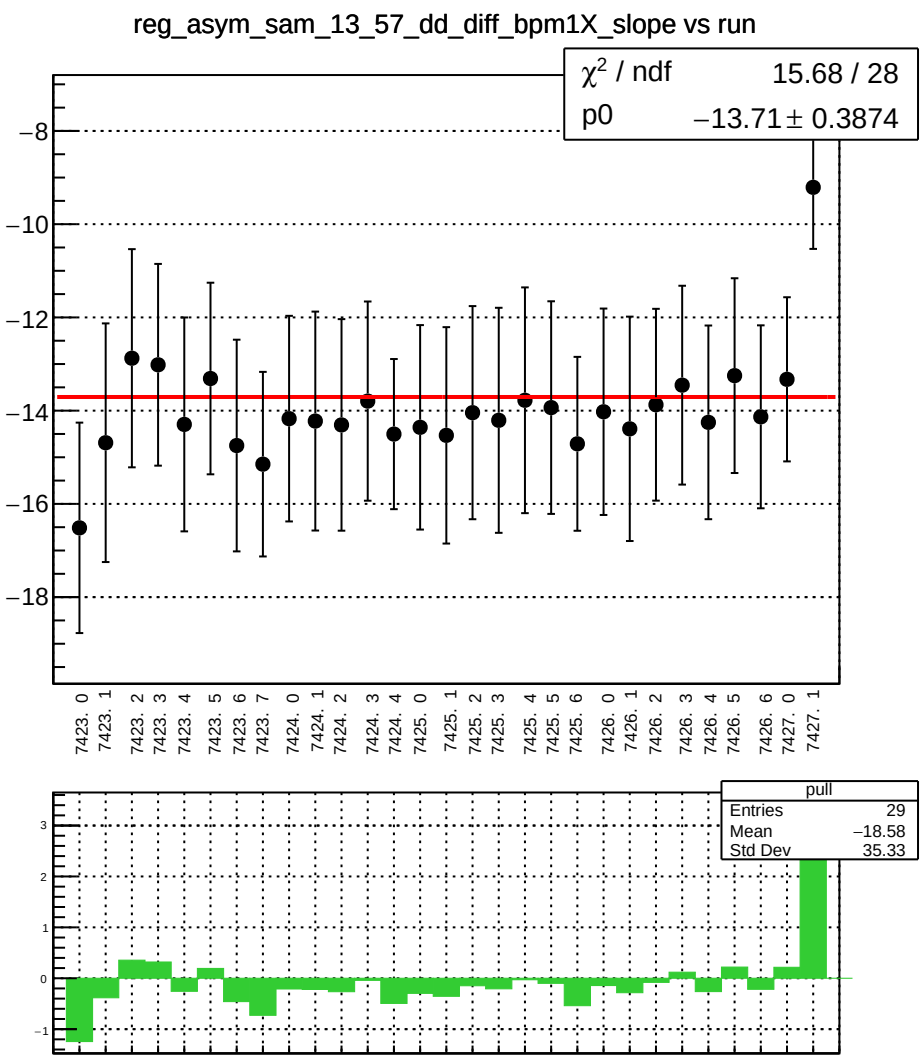

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.13 / 28
p0 50.69 ± 1.23
70
65
60
55
50
45
40
35
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 75.83
Std Dev 58.65
1
0.5
0
−0.5
−1

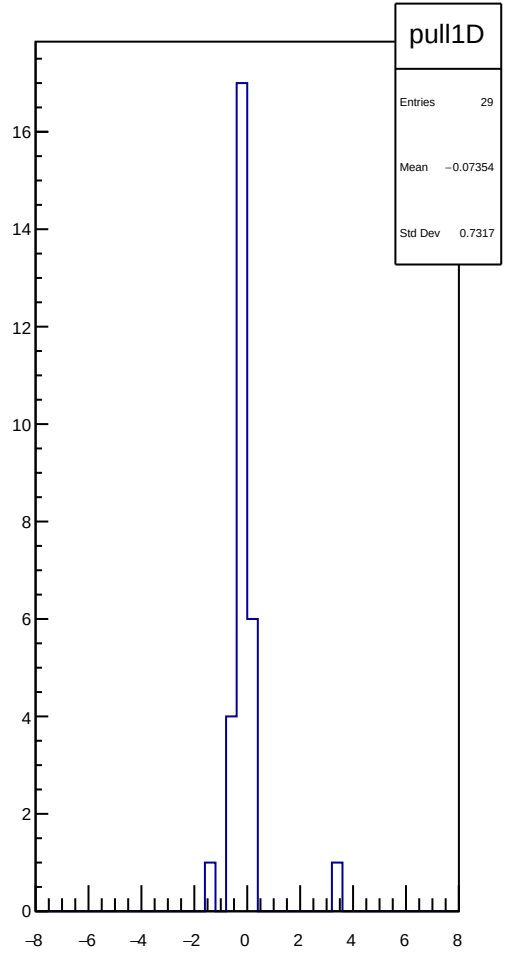

pull1D
Entries 29
Mean 0.03883
Std Dev 0.6718
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

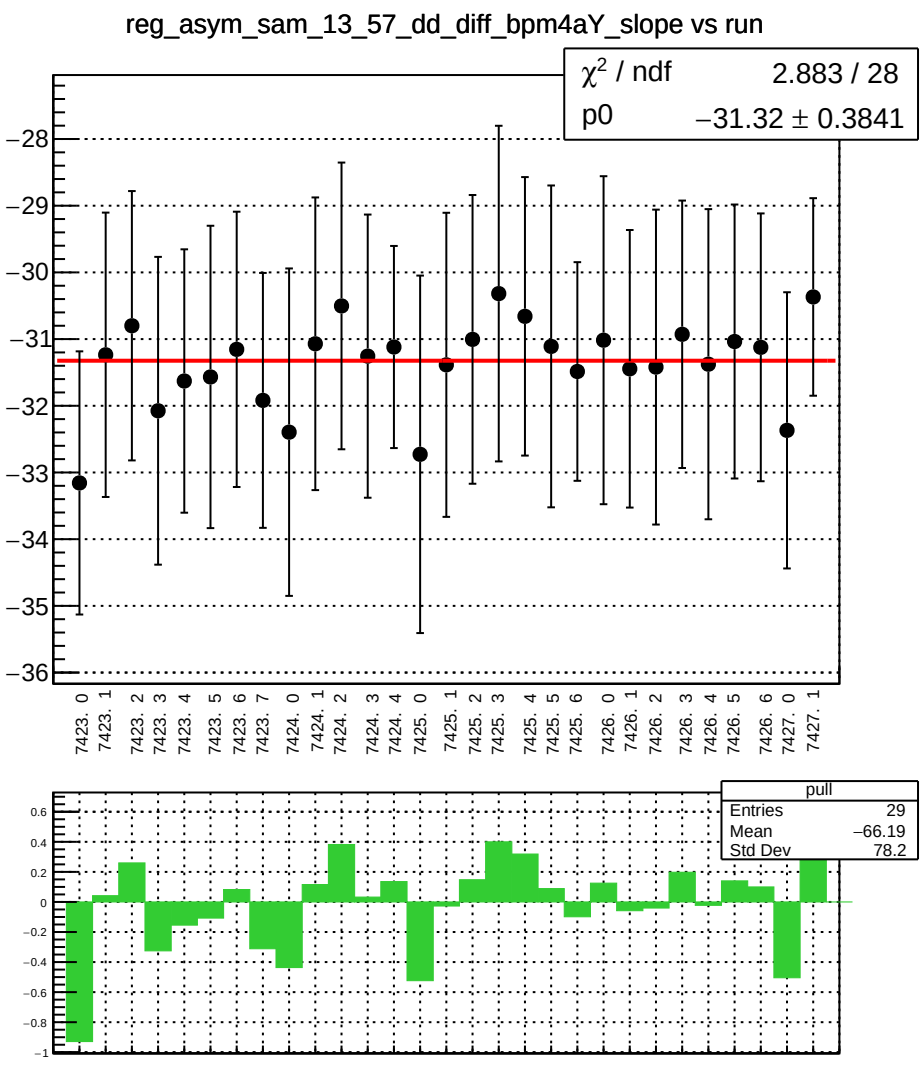

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.91 / 28
p0 −25.16 ± 1.297
0
−10
−20
−30
−40
−50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.35
Std Dev 46.58
4
3
2
1
0
−1
pull1D
Entries 29
Mean −0.1664
Std Dev 1.353
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

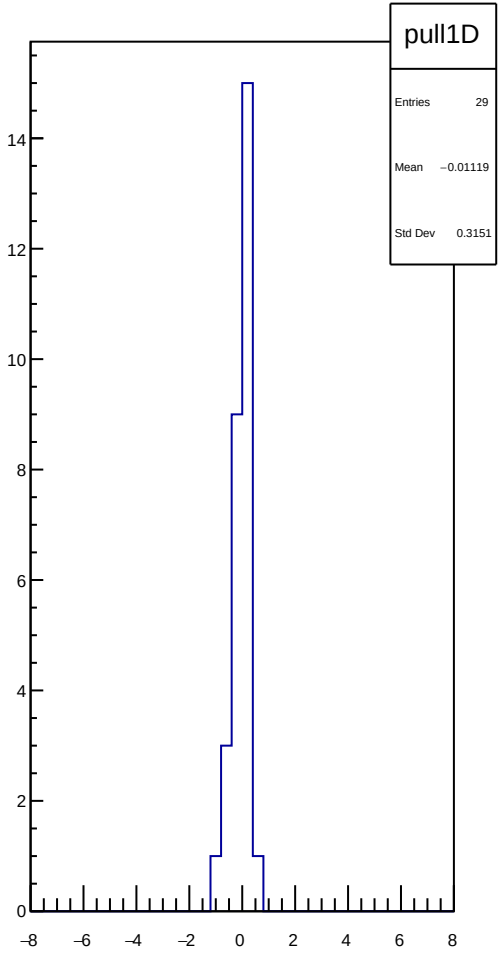

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.19 / 28
p0 69.02 ± 1.319
85
80
75
70
65
60
55
50
45
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −243.8
Std Dev 261.1
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean 0.01456
Std Dev 0.747
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

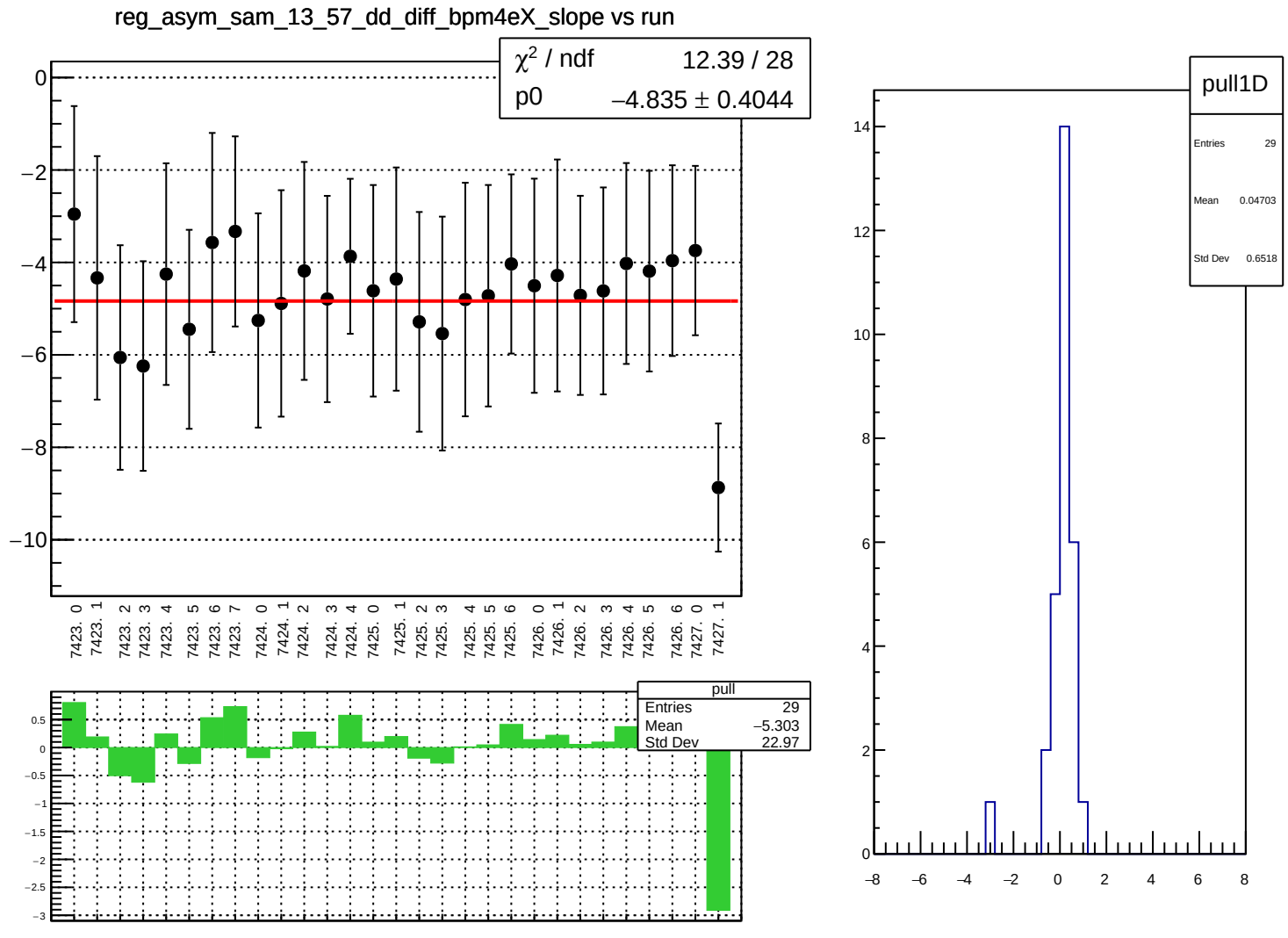

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.379 / 28
p0 0.2823 ± 0.0572
0.8
0.6
0.4
0.2
0
−0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −51.79
Std Dev 73.16
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 29
Mean −0.0138
Std Dev 0.341
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

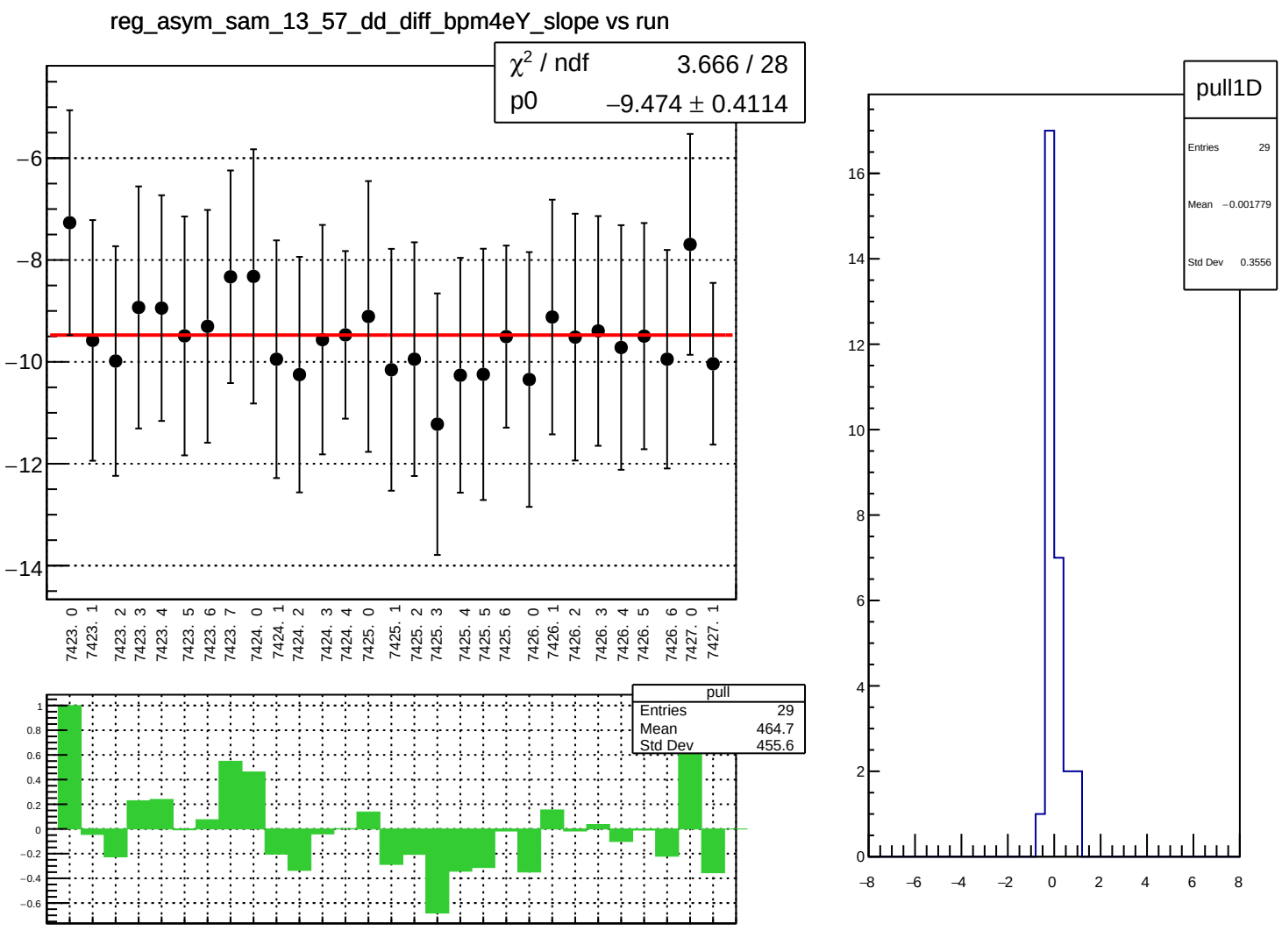

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 15.68 / 28
p0 −13.71 ± 0.3874
−8
−10
−12
−14
−16
−18
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −18.58
Std Dev 35.33
3
2
1
0
−1

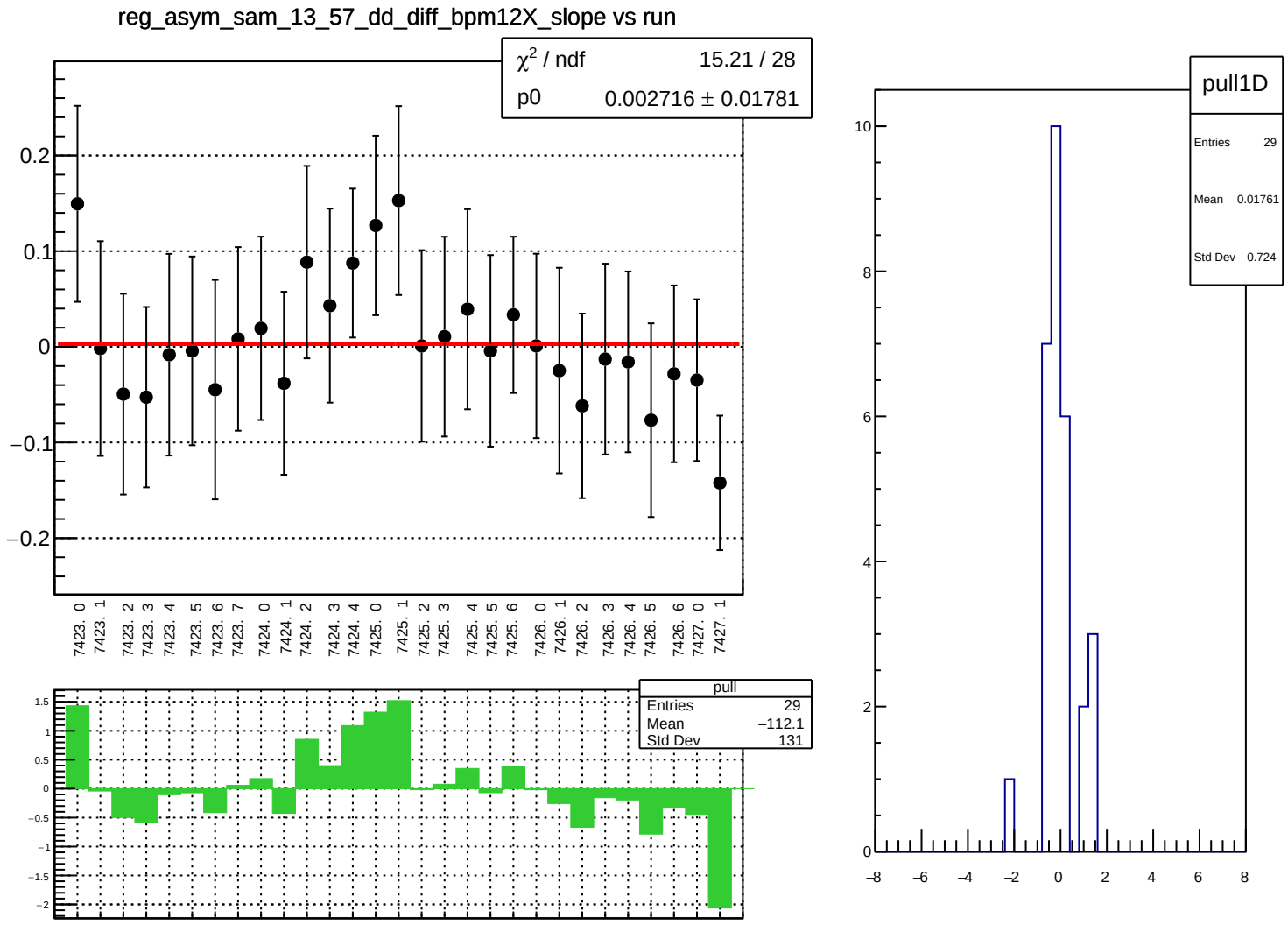

pull1D
Entries 29
Mean −0.07354
Std Dev 0.7317
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

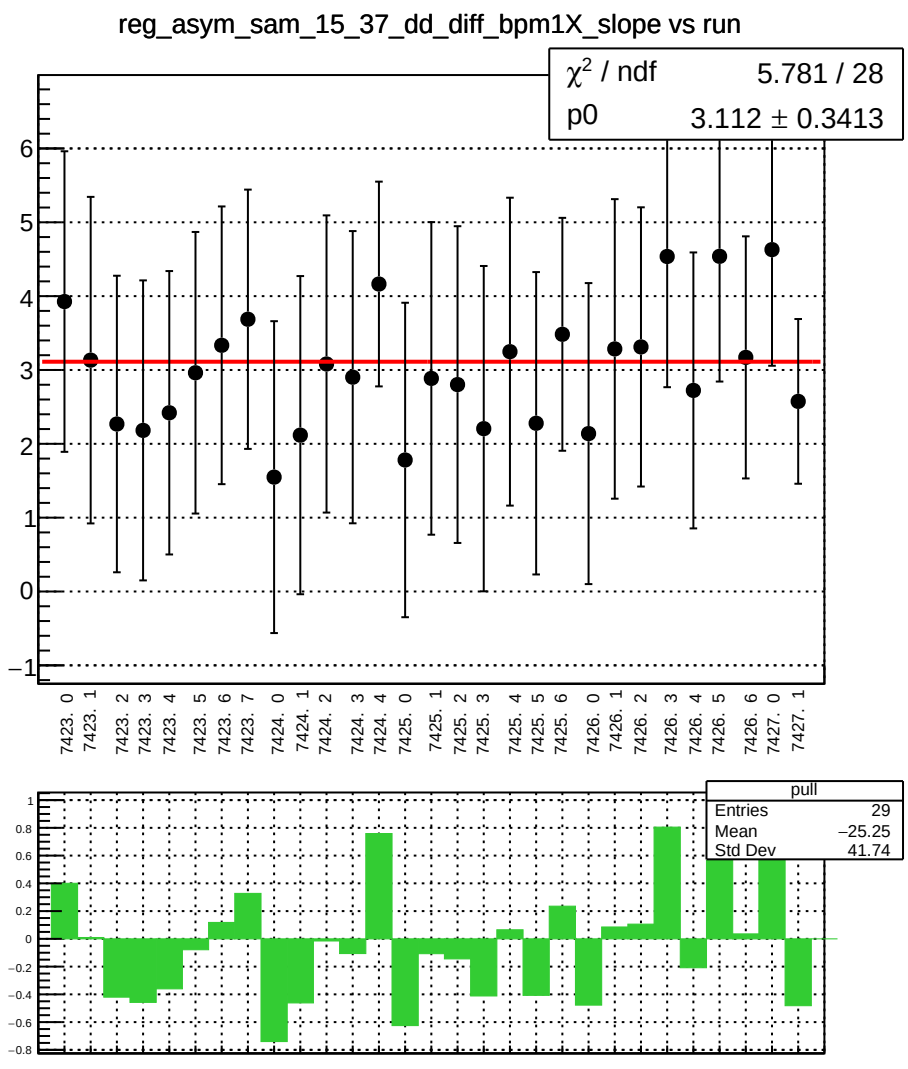

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.883 / 28
p0 −31.32 ± 0.3841
pull
Entries 29
Mean −66.19
Std Dev 78.2

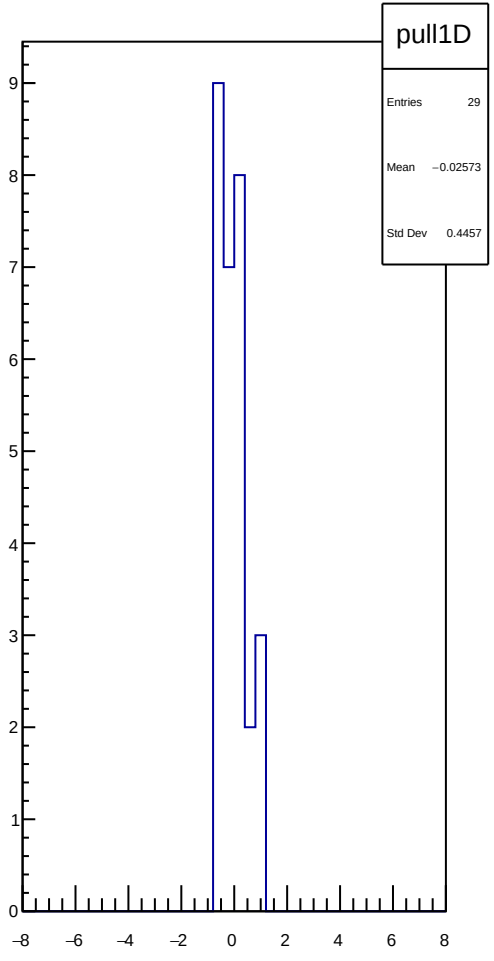

pull1D
Entries 29
Mean −0.01119
Std Dev 0.3151

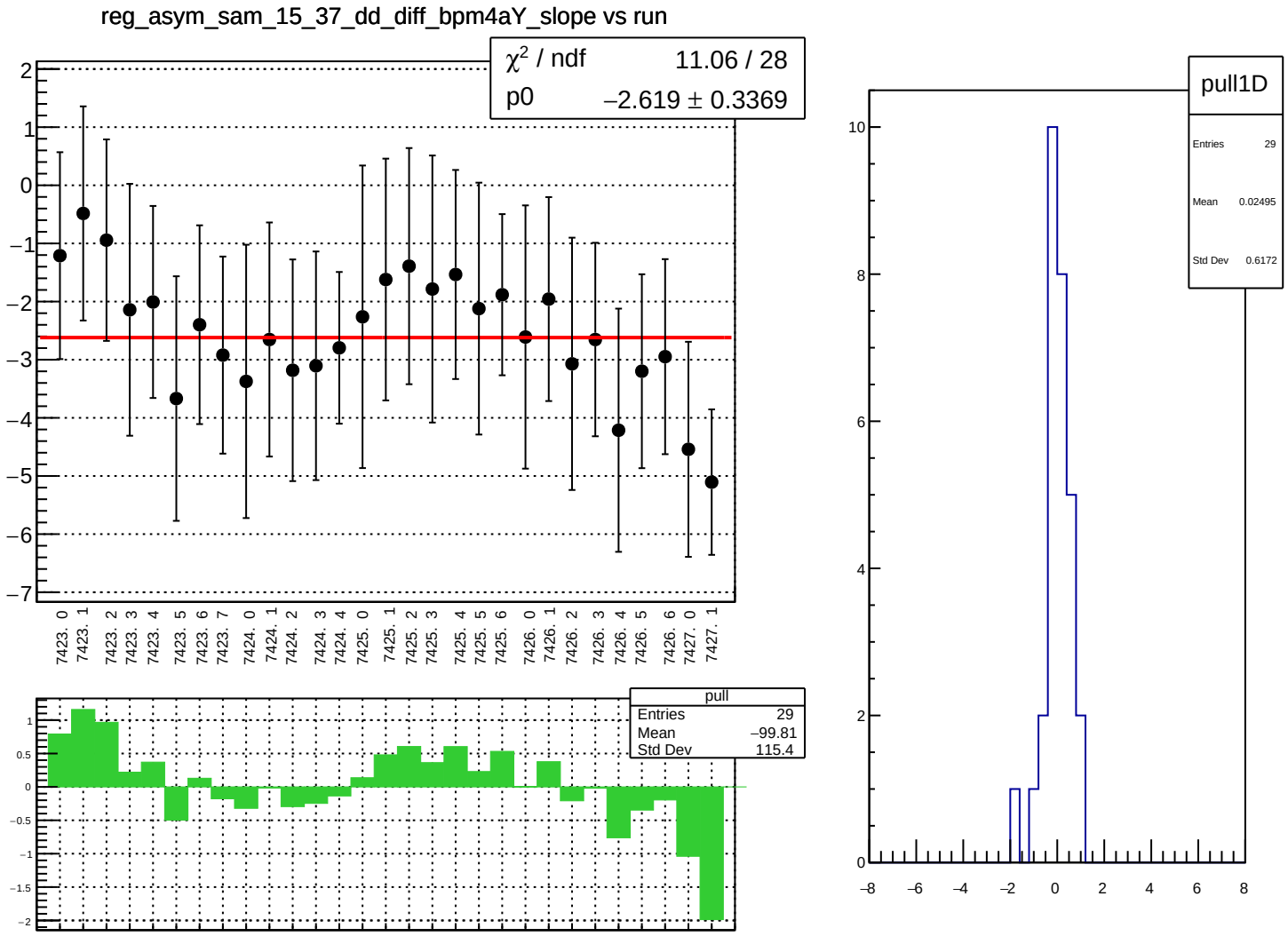

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.39 / 28
p0 −4.835 ± 0.4044
0
−2
−4
−6
−8
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −5.303
Std Dev 22.97
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 29
Mean 0.04703
Std Dev 0.6518
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

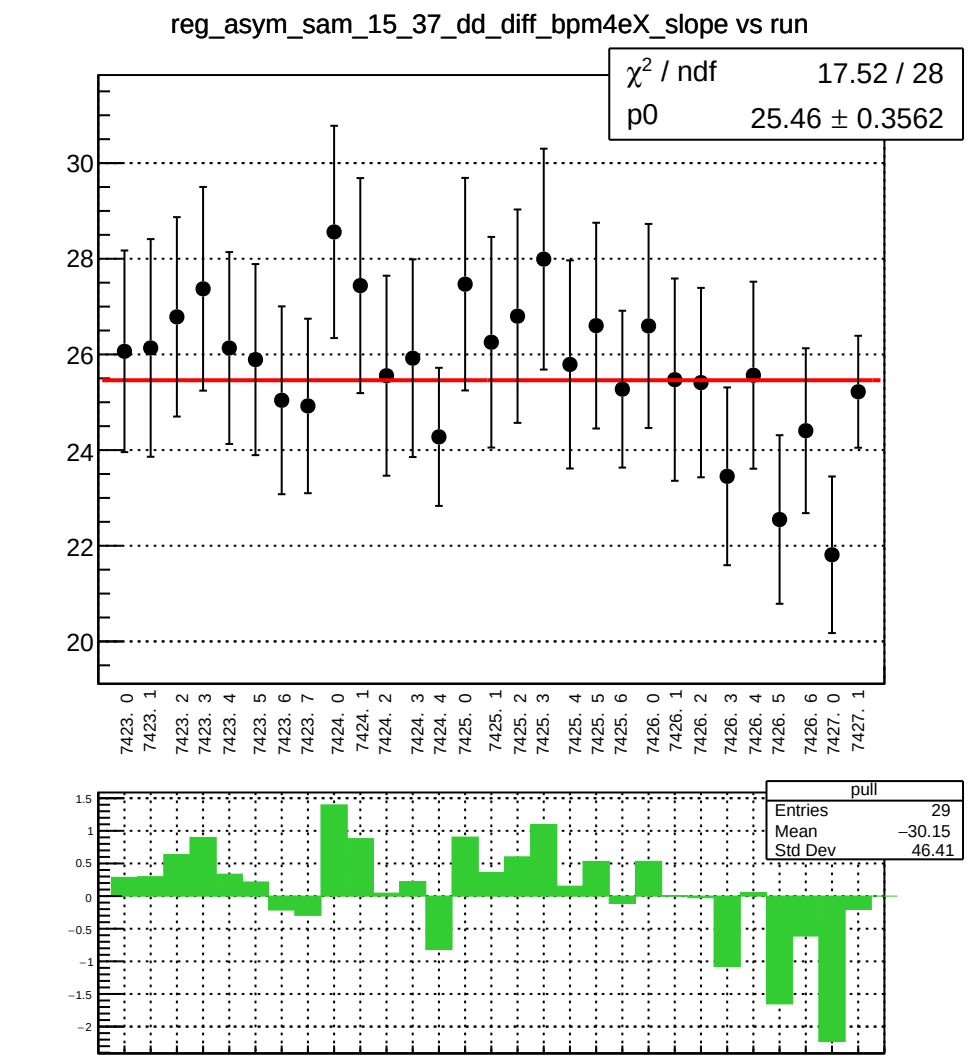

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.666 / 28
p0 −9.474 ± 0.4114
−6
−8
−10
−12
−14
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 464.7
Std Dev 455.6
pull1D
Entries 29
Mean −0.001779
Std Dev 0.3556

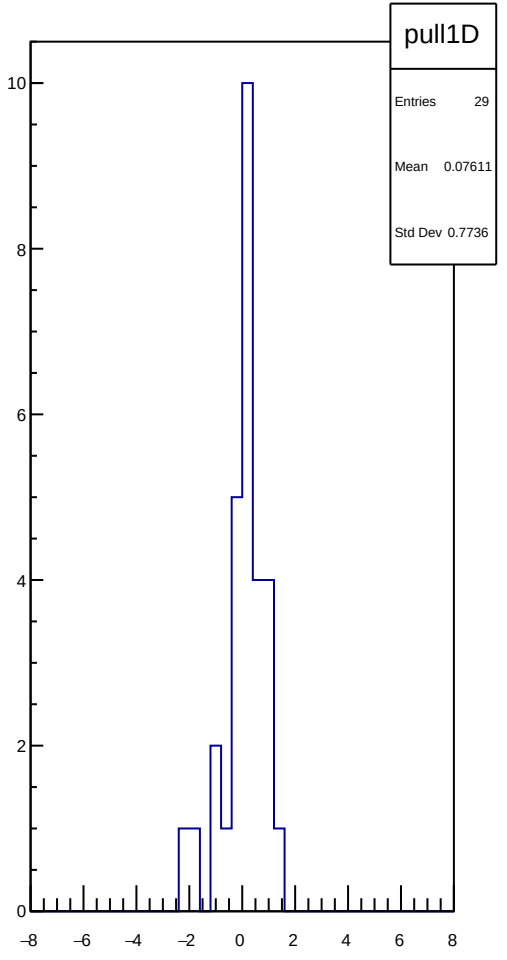

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 15.21 / 28
p0 0.002716 ± 0.01781
0.2
0.1
0
−0.1
−0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −112.1
Std Dev 131
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean 0.01761
Std Dev 0.724
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

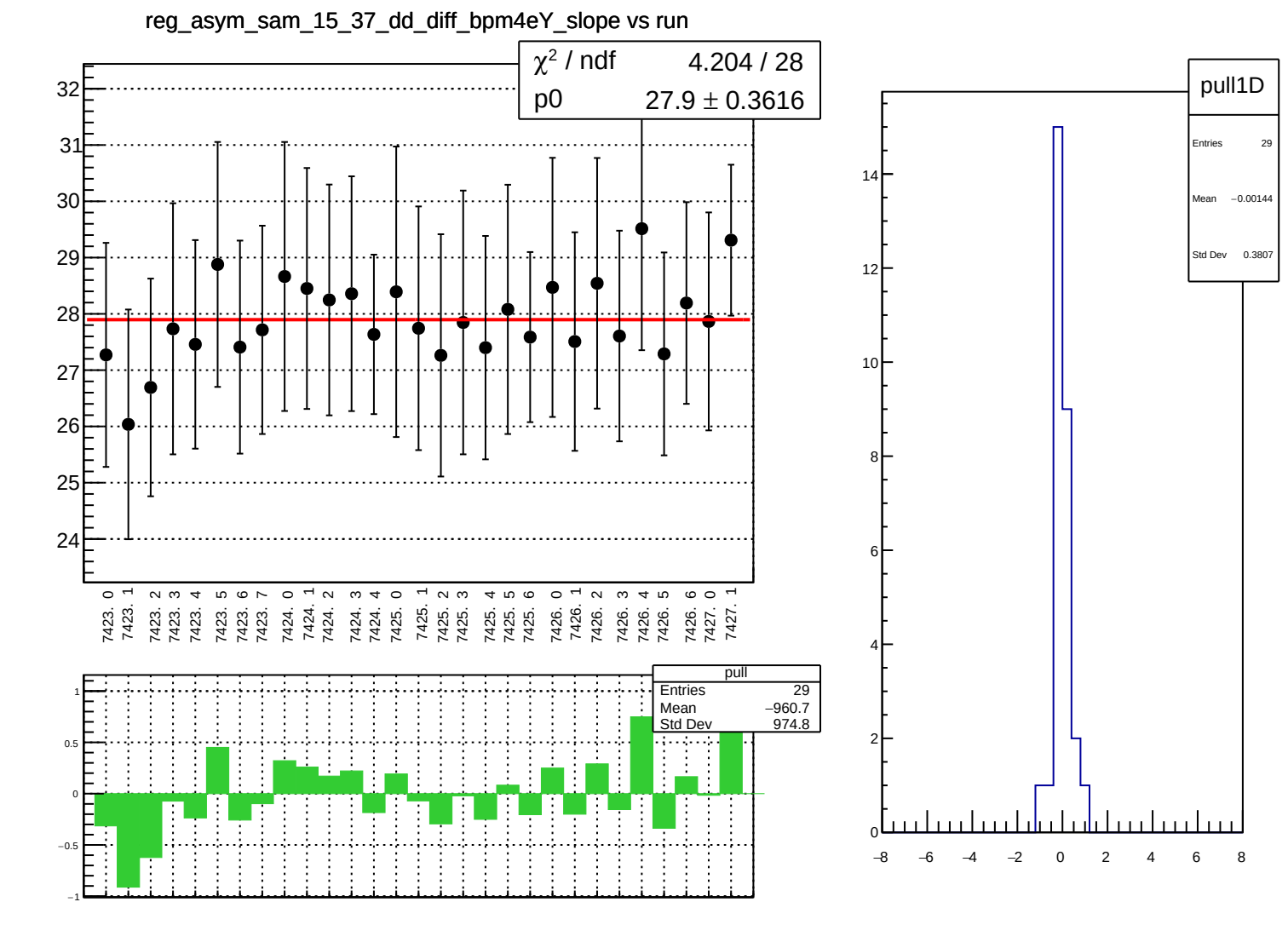

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 5.781 / 28
p0 3.112 ± 0.3413
pull
Entries 29
Mean −25.25
Std Dev 41.74

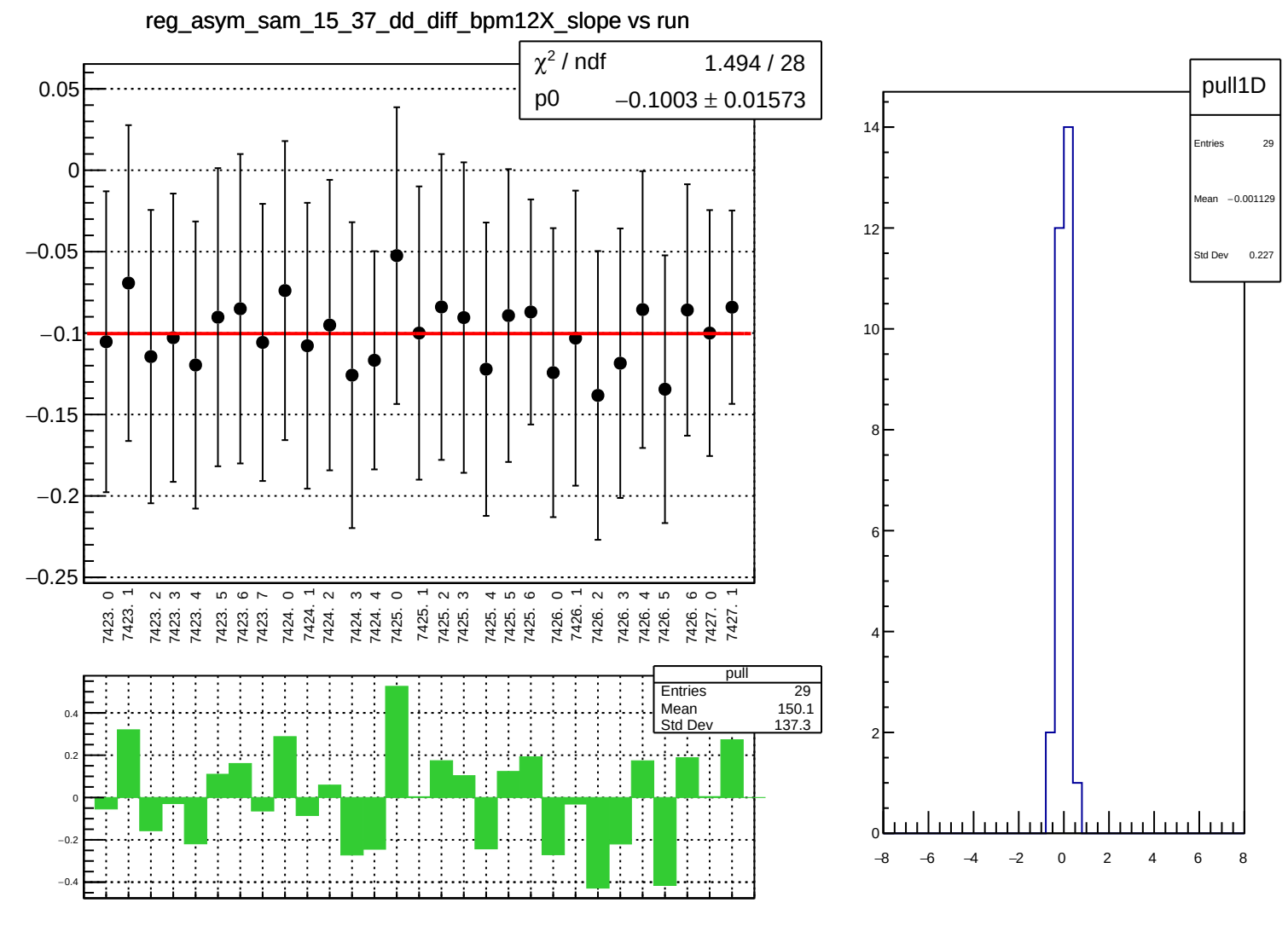

pull1D
Entries 29
Mean −0.02573
Std Dev 0.4457

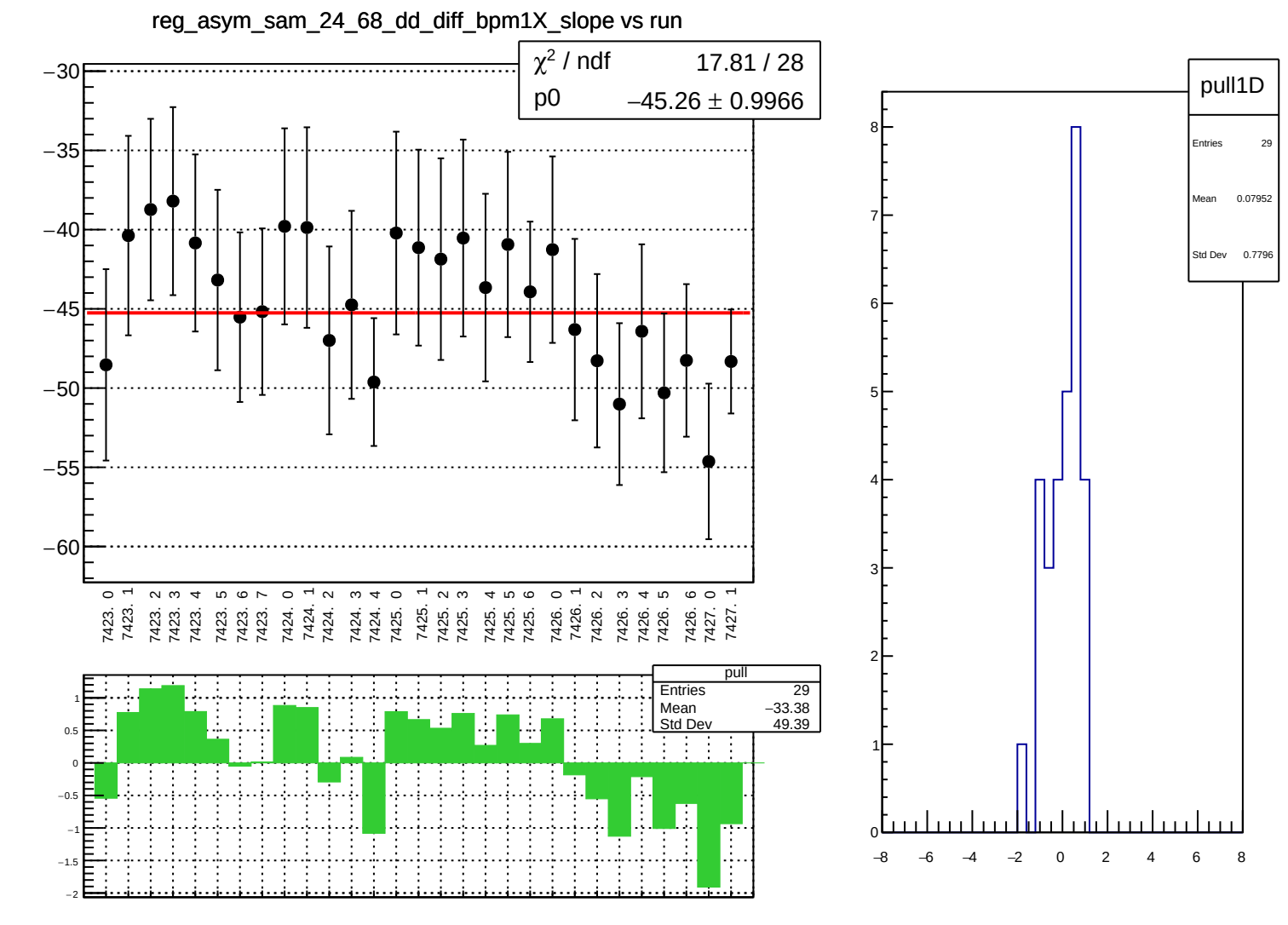

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.06 / 28
p0 −2.619 ± 0.3369
pull
Entries 29
Mean −99.81
Std Dev 115.4
pull1D
Entries 29
Mean 0.02495
Std Dev 0.6172

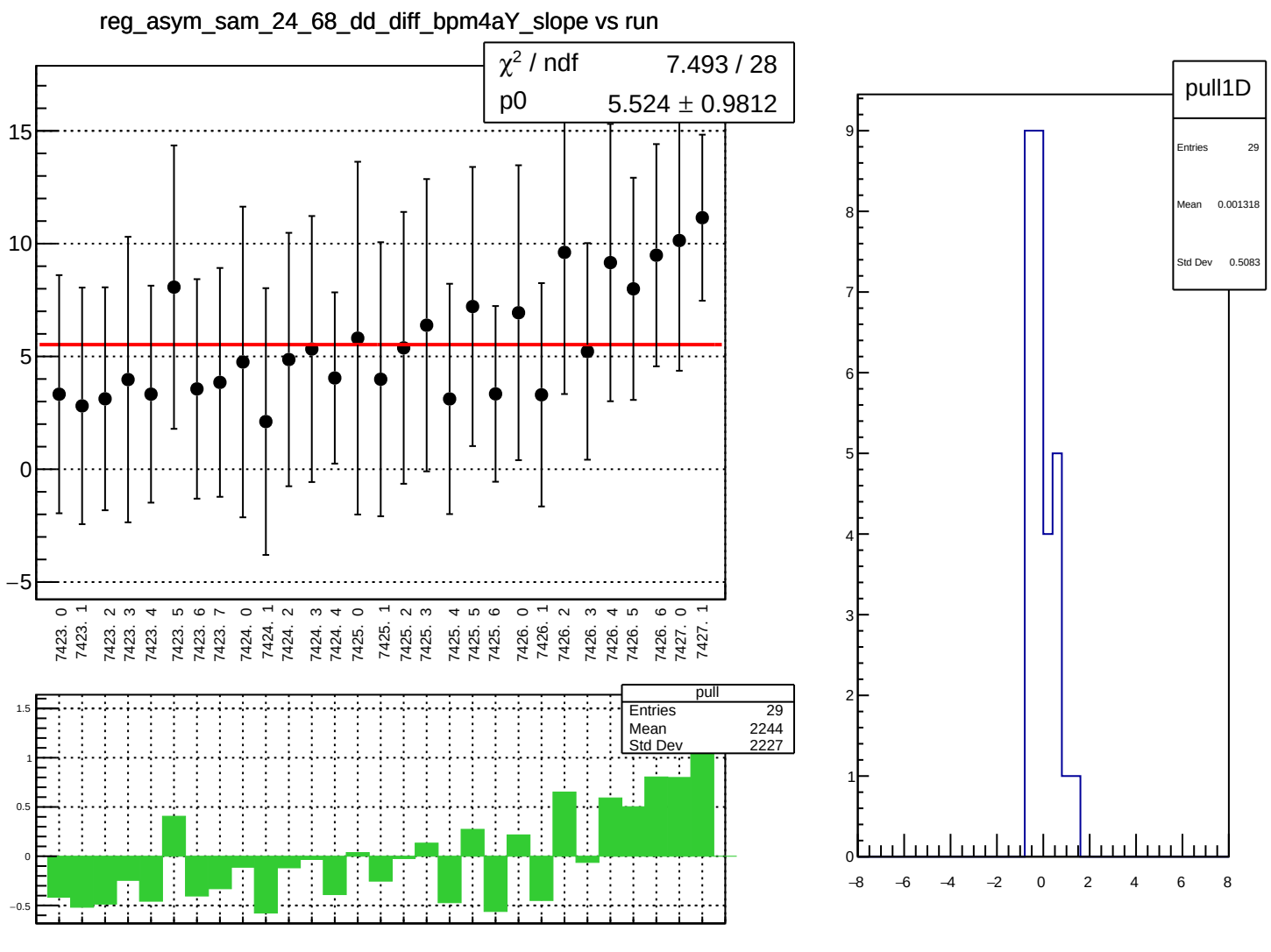

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.52 / 28
p0 25.46 ± 0.3562
30
28
26
24
22
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.15
Std Dev 46.41
1.5
1
0.5
0
−0.5
−1
−1.5
−2

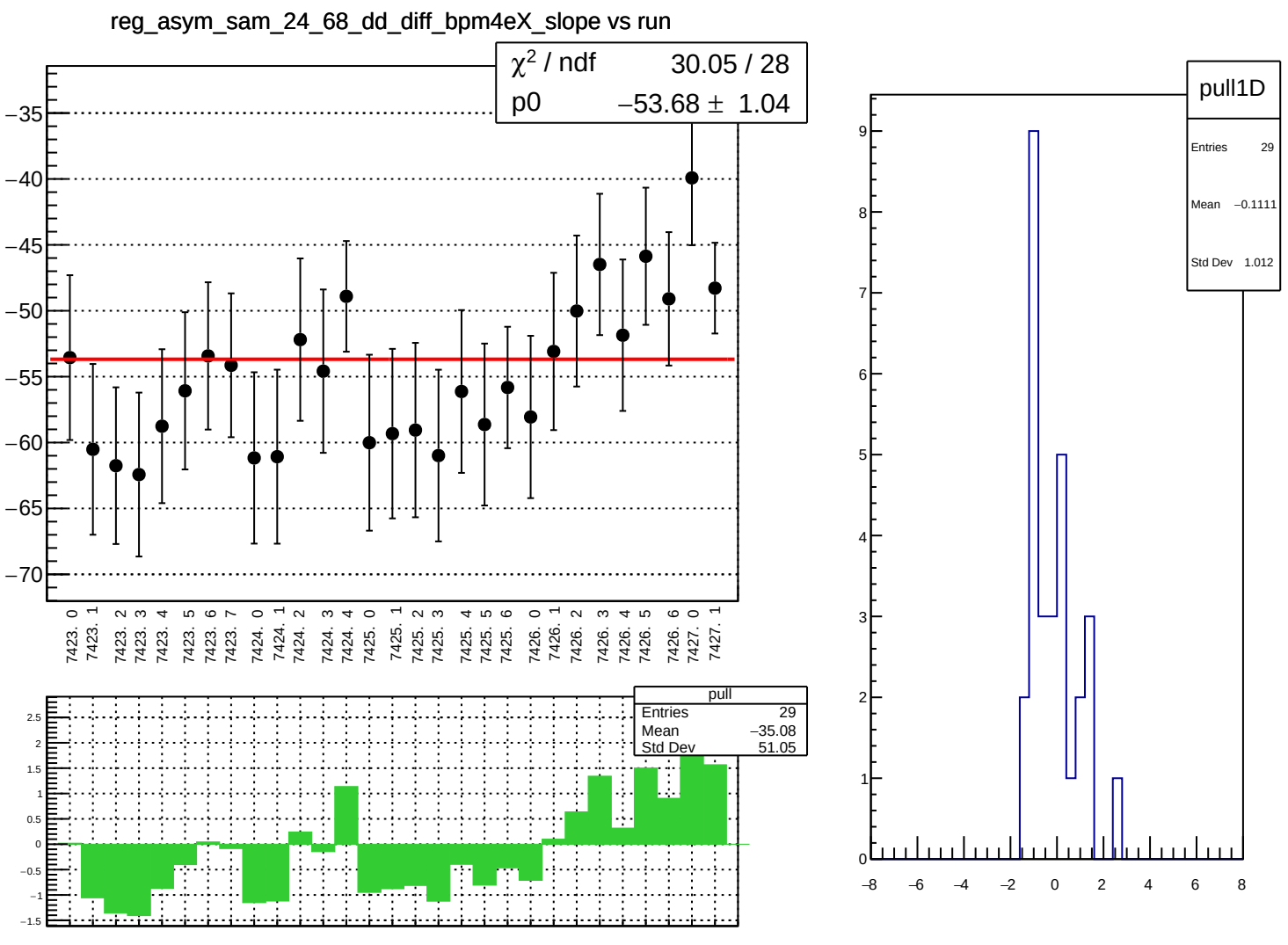

pull1D
Entries 29
Mean 0.07611
Std Dev 0.7736
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

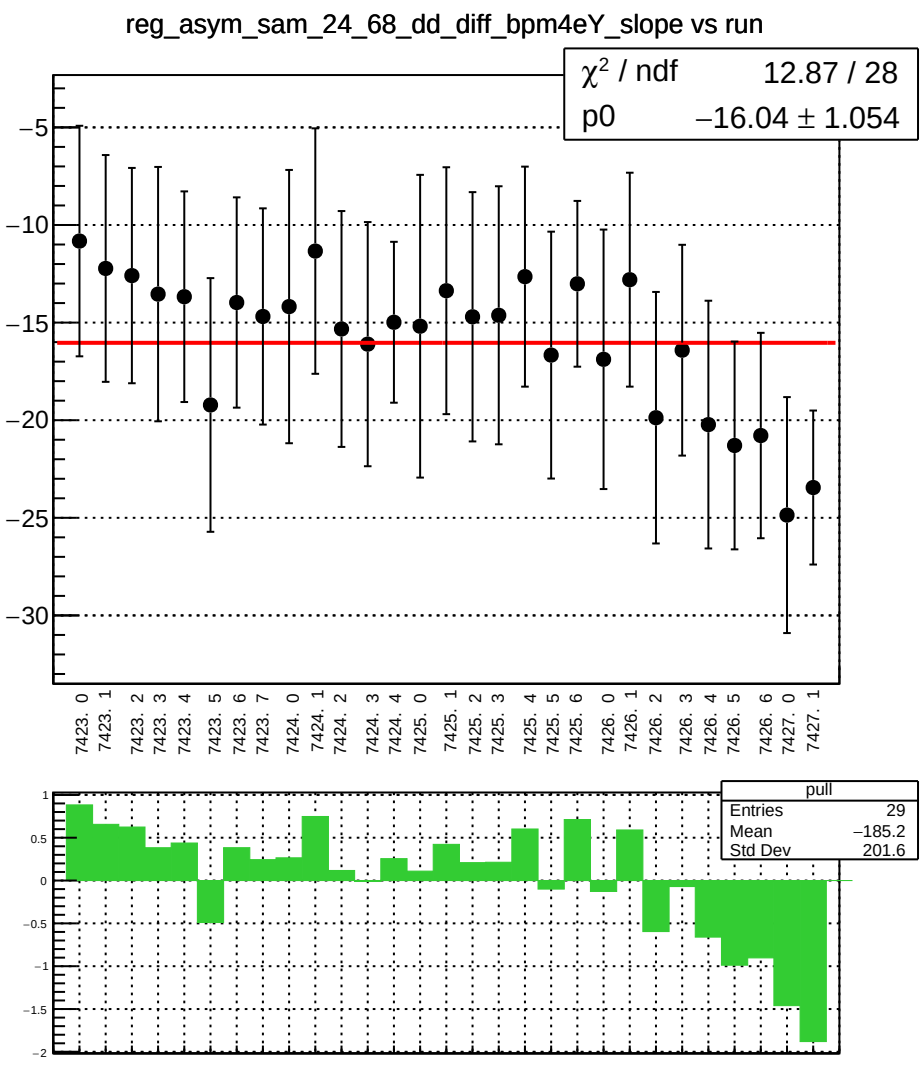

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.204 / 28
p0 27.9 ± 0.3616
pull
Entries 29
Mean −960.7
Std Dev 974.8
pull1D
Entries 29
Mean −0.00144
Std Dev 0.3807

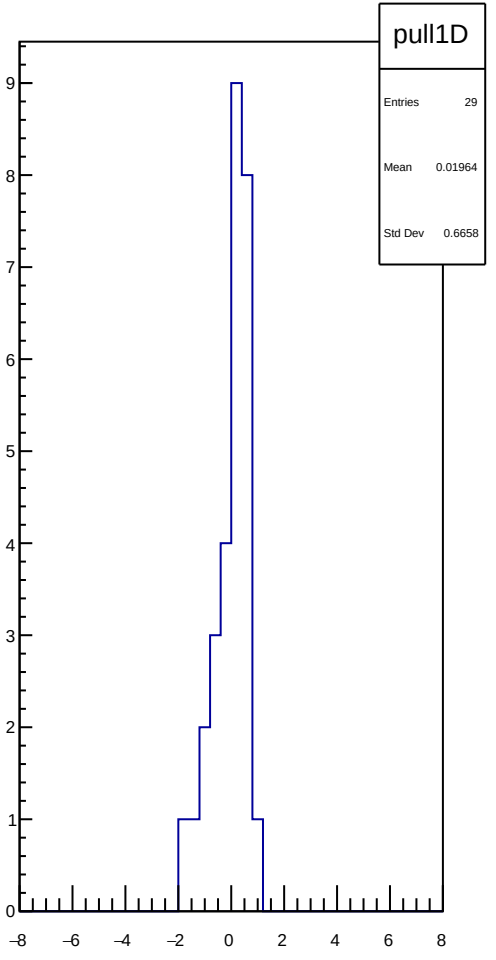

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.494 / 28
p0 −0.1003 ± 0.01573
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 150.1
Std Dev 137.3
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 29
Mean −0.001129
Std Dev 0.227
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

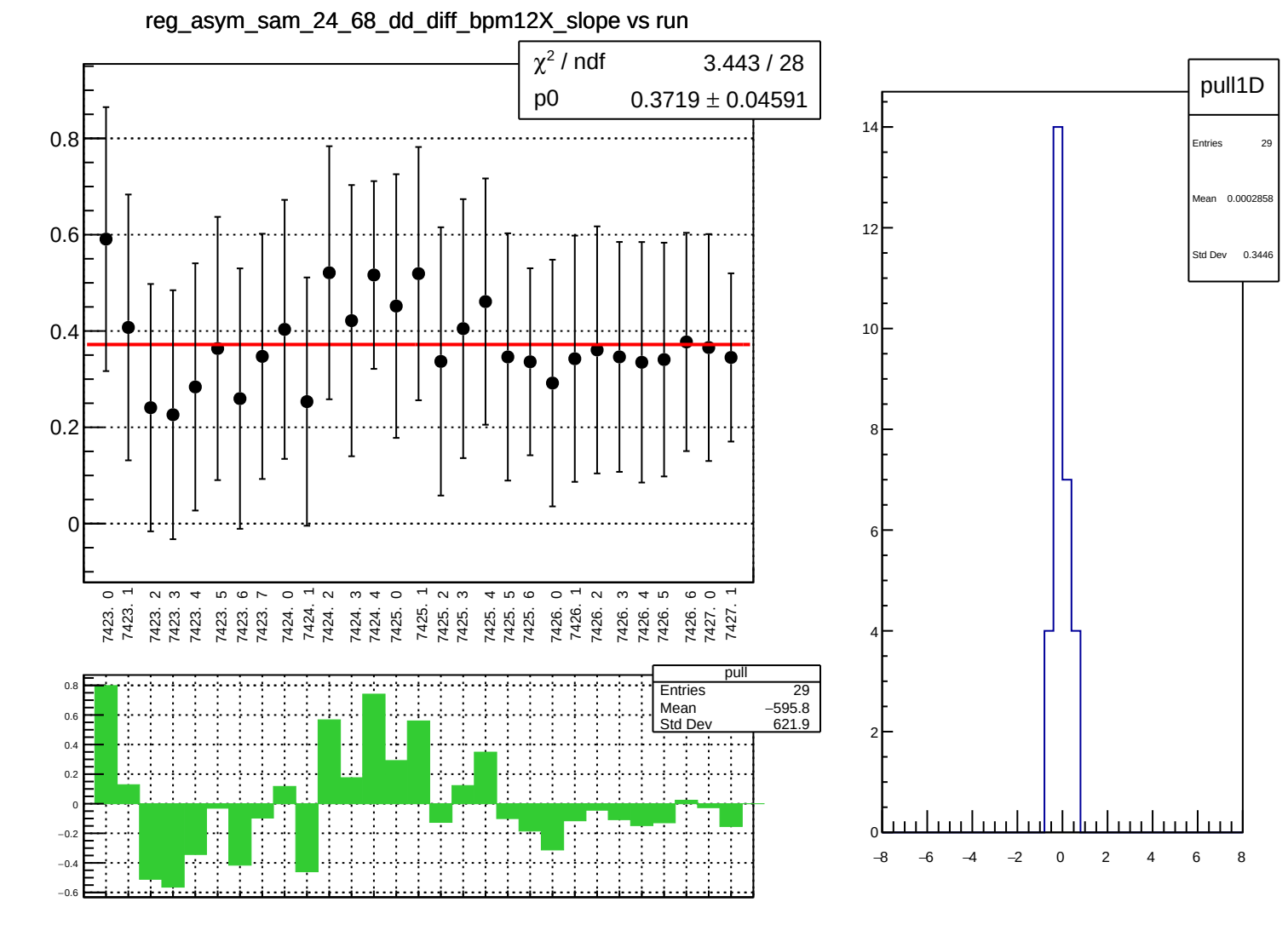

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 17.81 / 28
p0 −45.26 ± 0.9966
−30
−35
−40
−45
−50
−55
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −33.38
Std Dev 49.39
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean 0.07952
Std Dev 0.7796
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

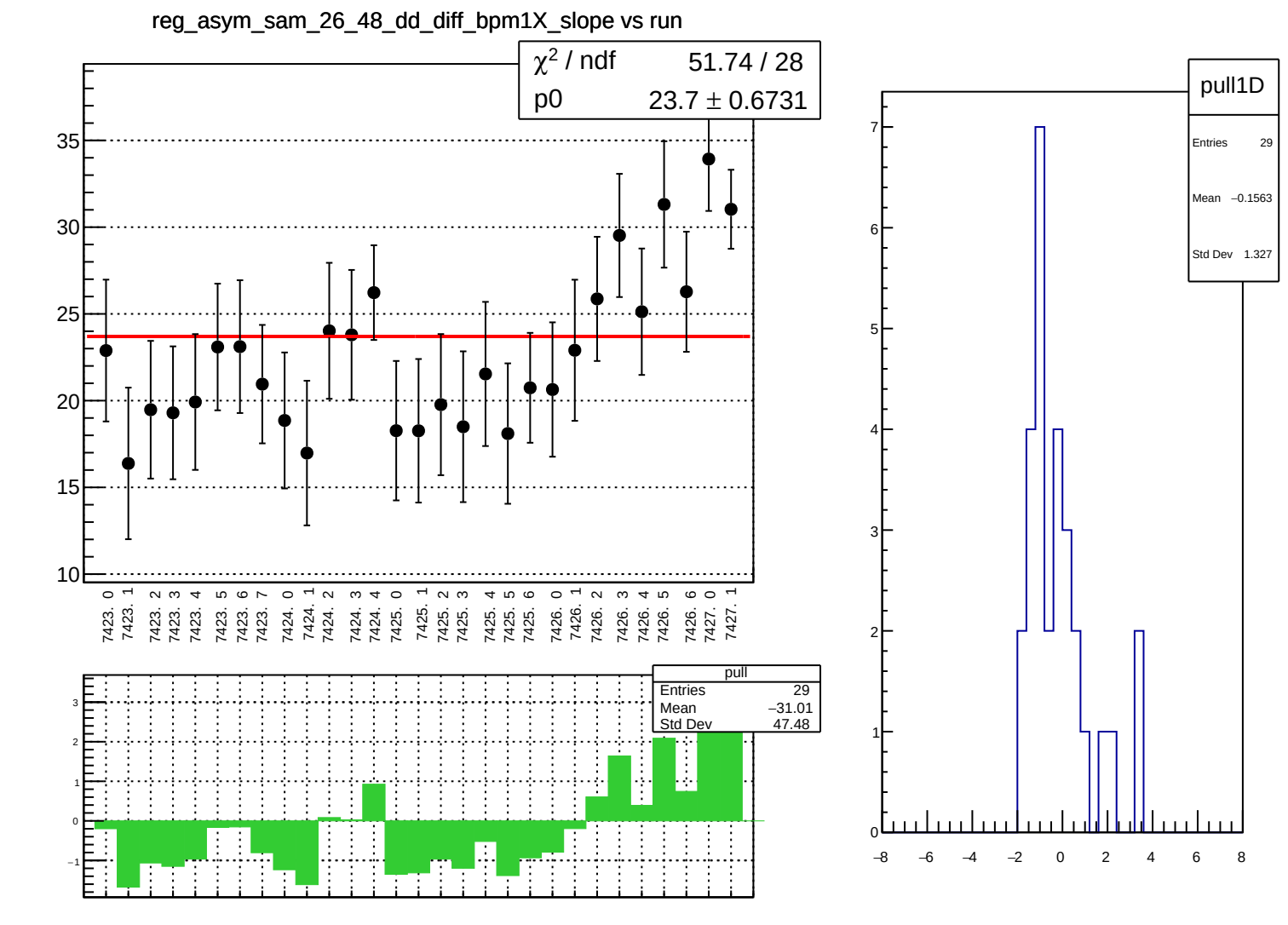

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.493 / 28
p0 5.524 ± 0.9812
15
10
5
0
−5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 2244
Std Dev 2227
1.5
1
0.5
0
−0.5
pull1D
Entries 29
Mean 0.001318
Std Dev 0.5083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

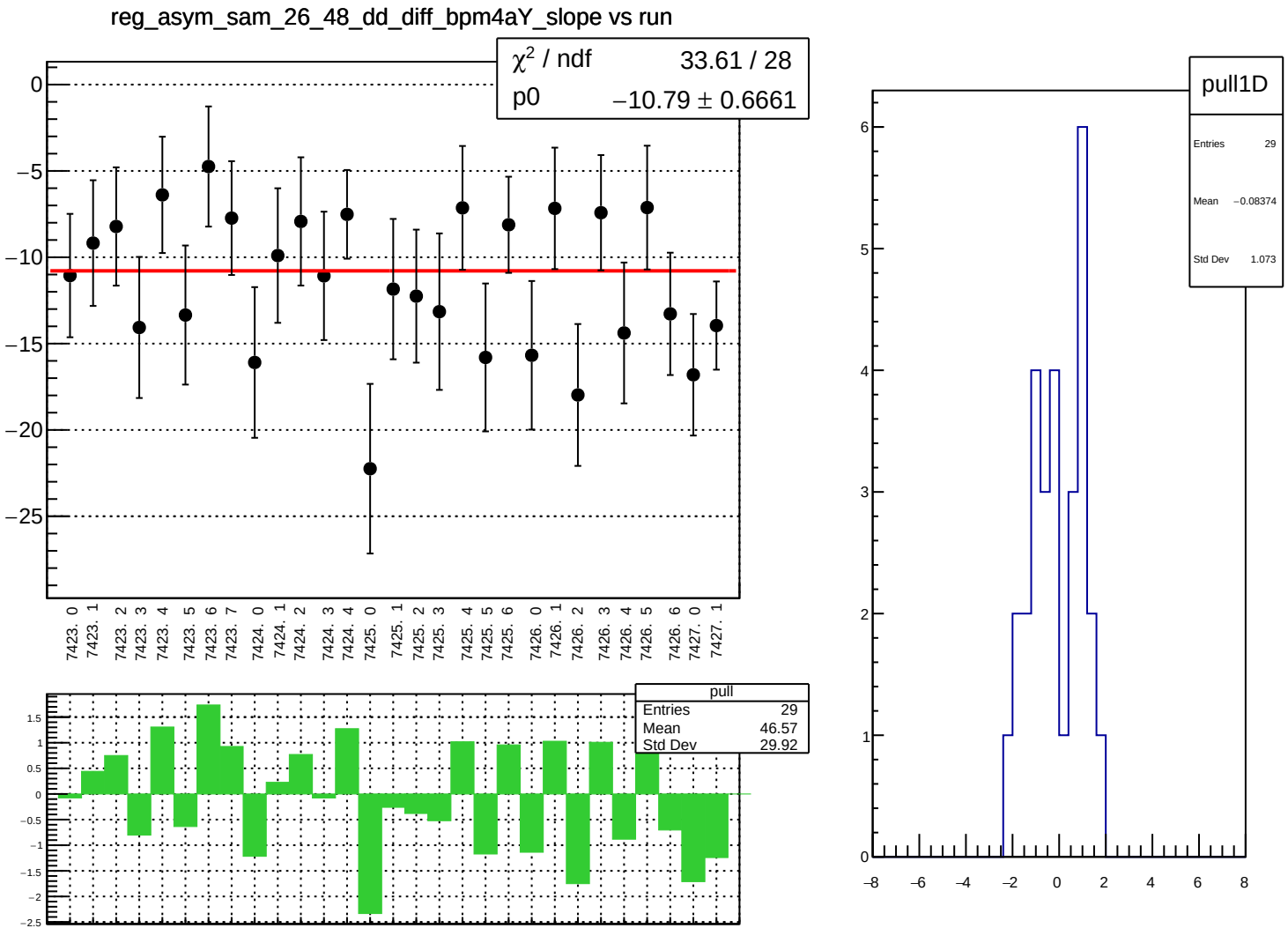

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.05 / 28
p0 −53.68 ± 1.04
−35
−40
−45
−50
−55
−60
−65
−70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −35.08
Std Dev 51.05
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.1111
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

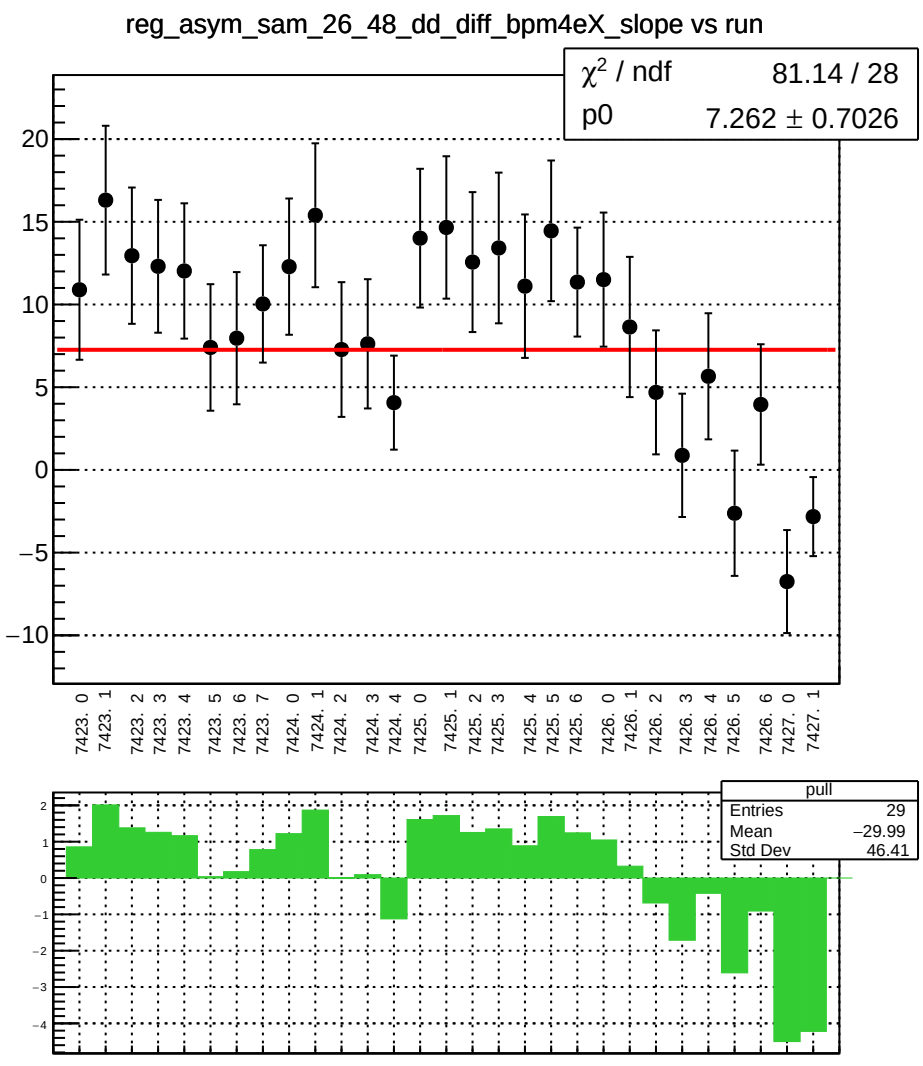

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.87 / 28
p0 −16.04 ± 1.054
−5
−10
−15
−20
−25
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −185.2
Std Dev 201.6
1
0.5
0
−0.5
−1
−1.5
−2

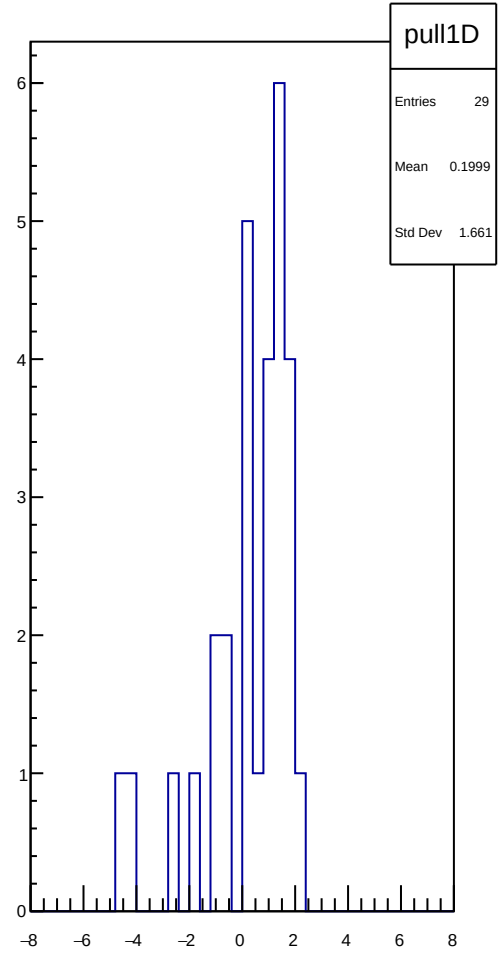

pull1D
Entries 29
Mean 0.01964
Std Dev 0.6658
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

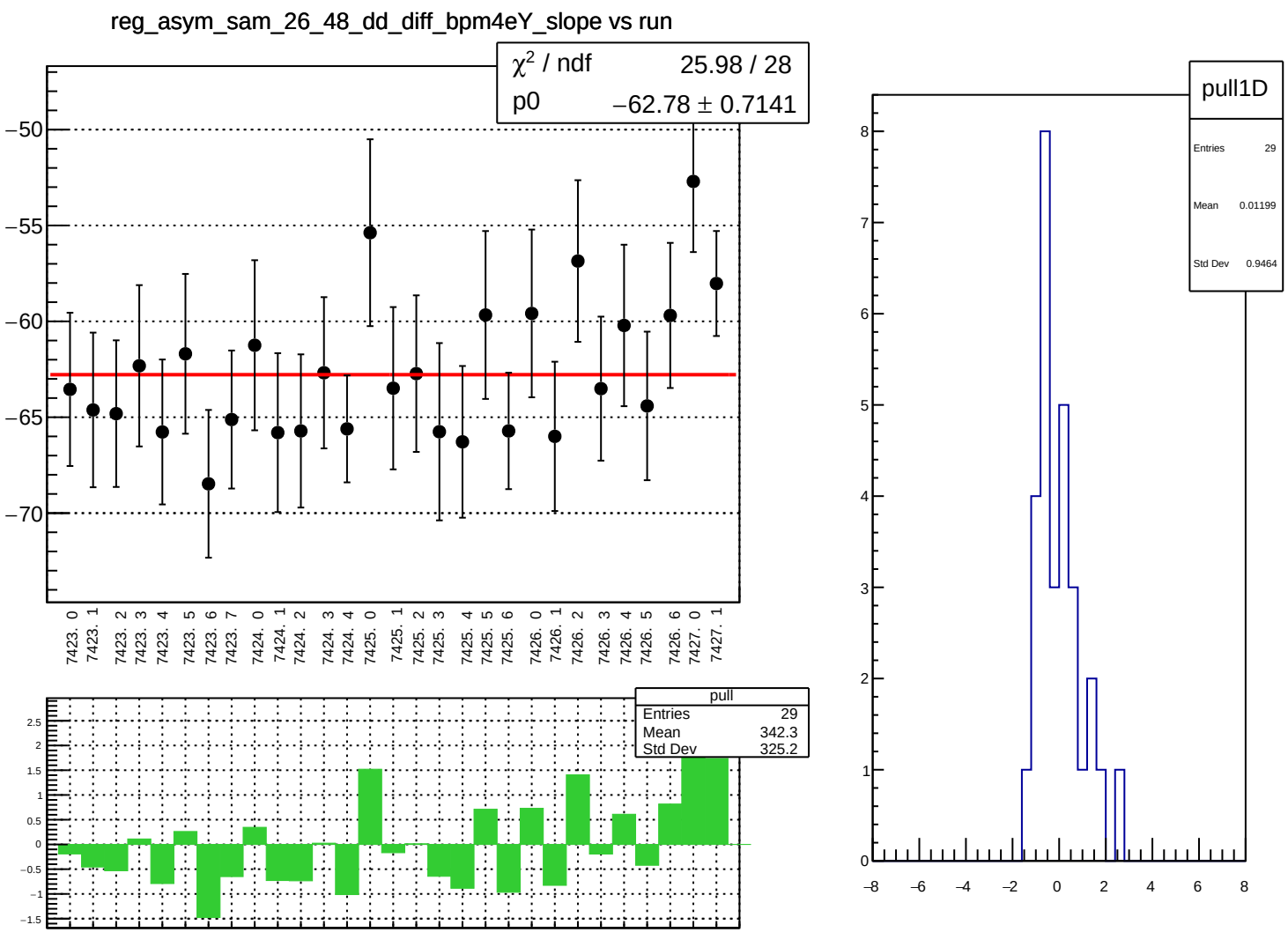

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.443 / 28
p0 0.3719 ± 0.04591
0.8
0.6
0.4
0.2
0
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −595.8
Std Dev 621.9
pull1D
Entries 29
Mean 0.0002858
Std Dev 0.3446
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

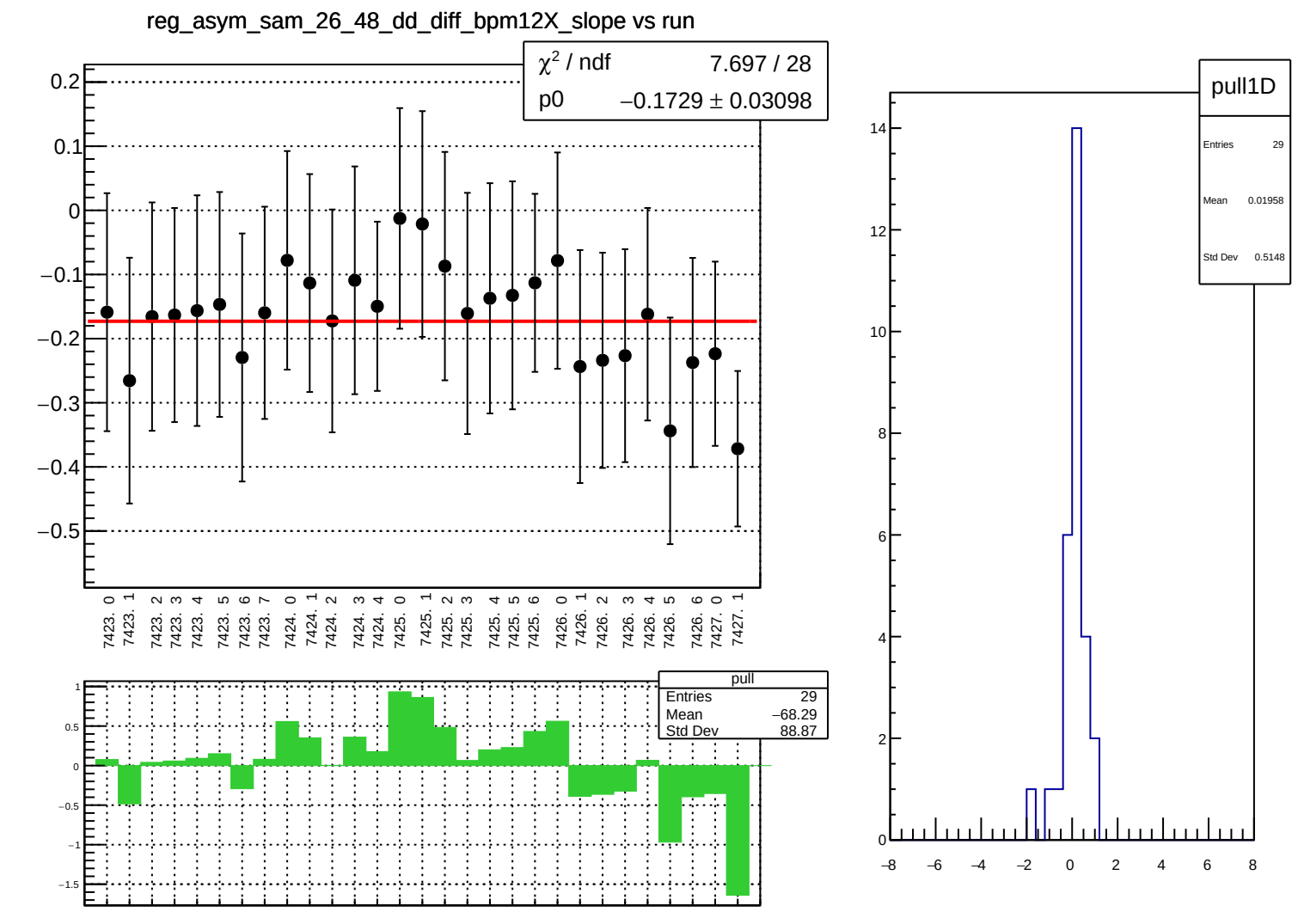

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 51.74 / 28
p0 23.7 ± 0.6731
35
30
25
20
15
10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −31.01
Std Dev 47.48
3
2
1
0
−1
pull1D
Entries 29
Mean −0.1563
Std Dev 1.327
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

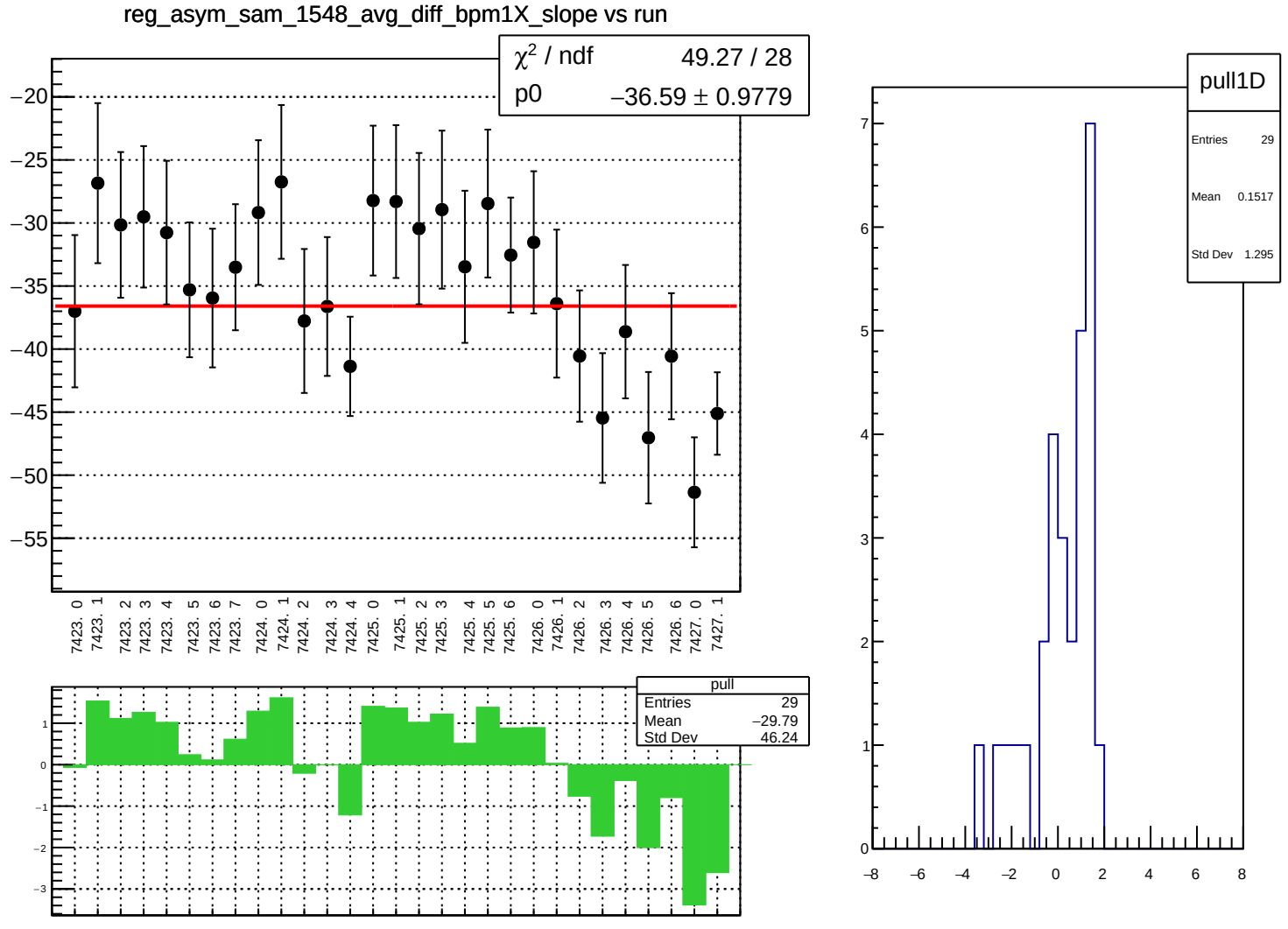

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.61 / 28
p0 −10.79 ± 0.6661
0
−5
−10
−15
−20
−25
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 46.57
Std Dev 29.92
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 29
Mean −0.08374
Std Dev 1.073
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

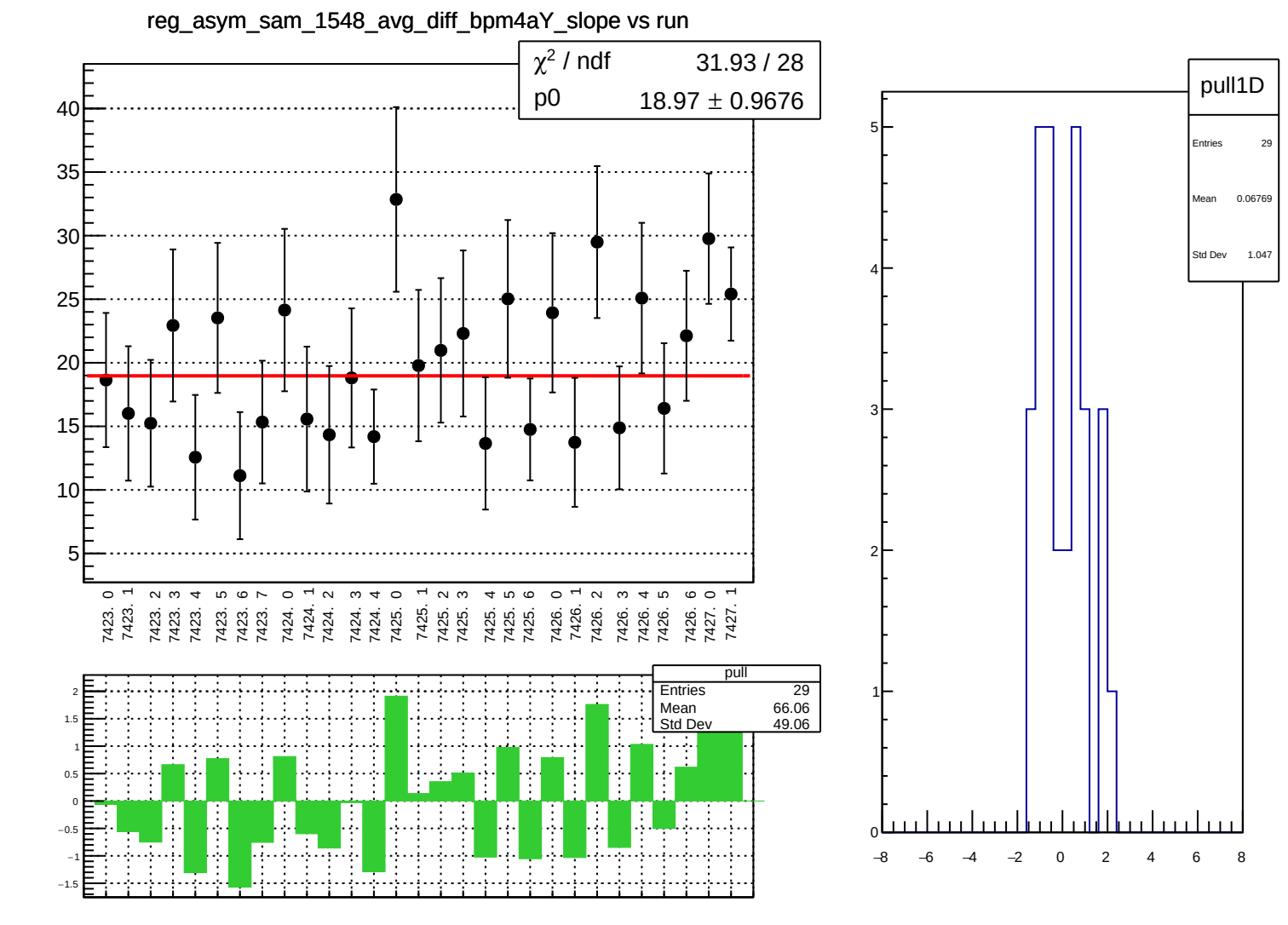

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 81.14 / 28
p0 7.262 ± 0.7026
20
15
10
5
0
−5
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −29.99
Std Dev 46.41
2
1
0
−1
−2
−3
−4

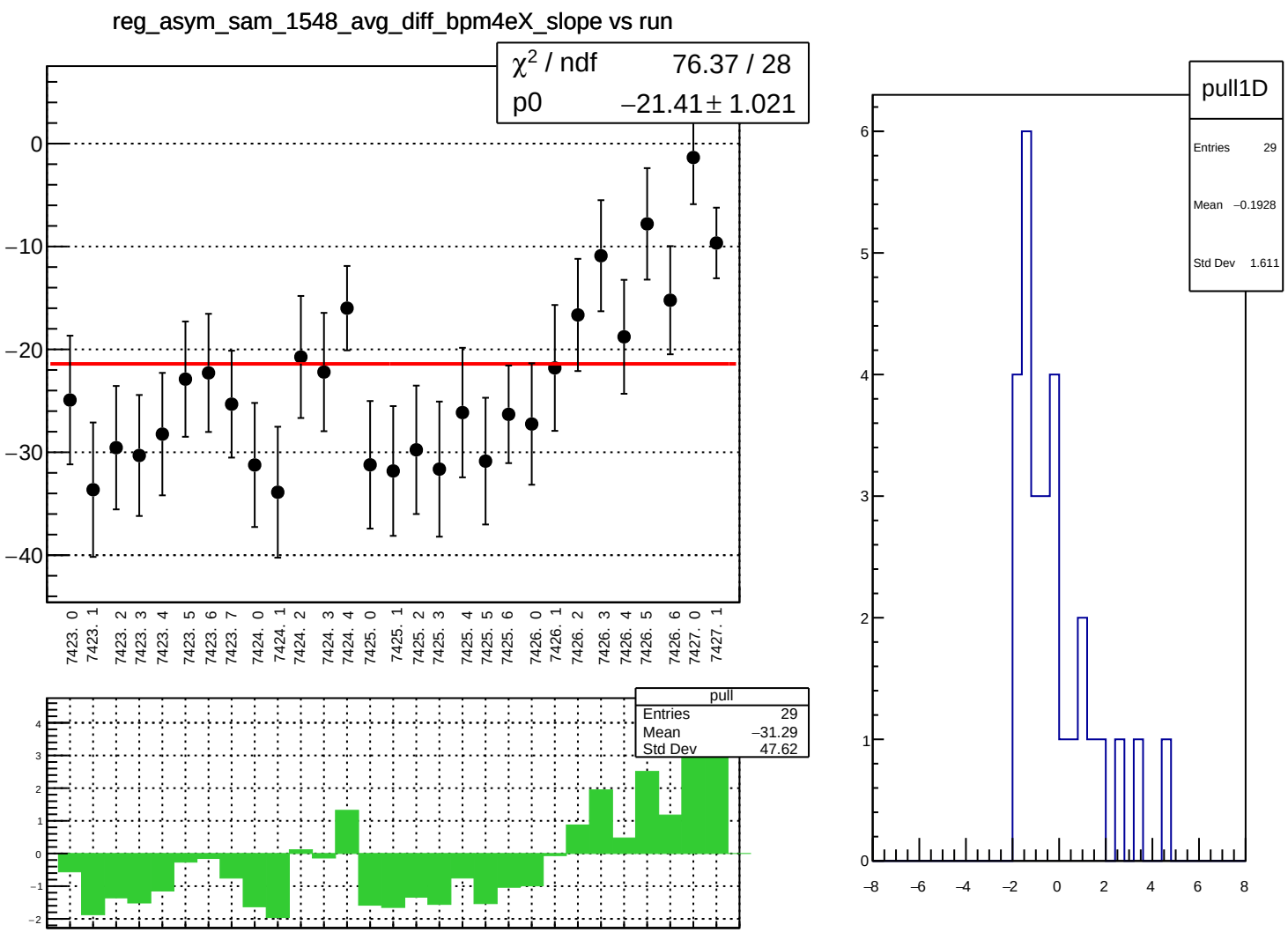

pull1D
Entries 29
Mean 0.1999
Std Dev 1.661
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

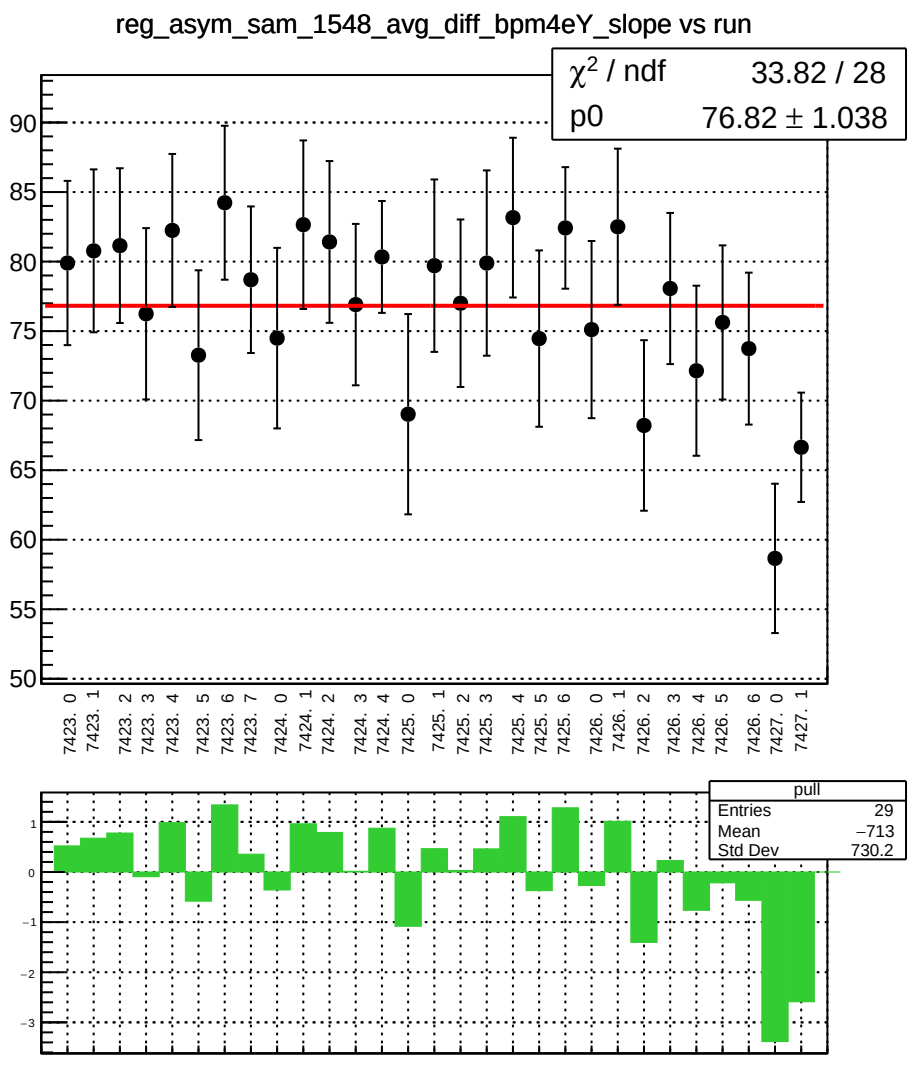

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.98 / 28
p0 −62.78 ± 0.7141
−50
−55
−60
−65
−70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 342.3
Std Dev 325.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.01199
Std Dev 0.9464
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

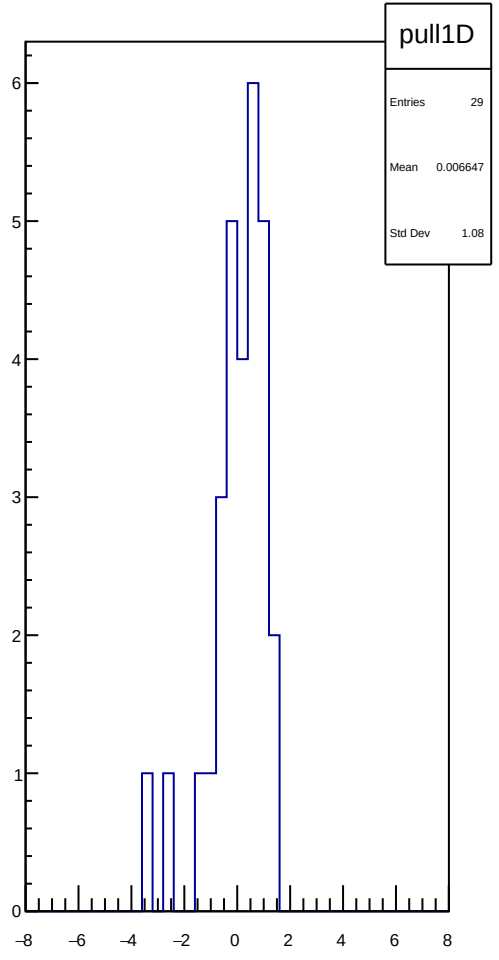

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.697 / 28
p0 −0.1729 ± 0.03098
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −68.29
Std Dev 88.87
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.01958
Std Dev 0.5148
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

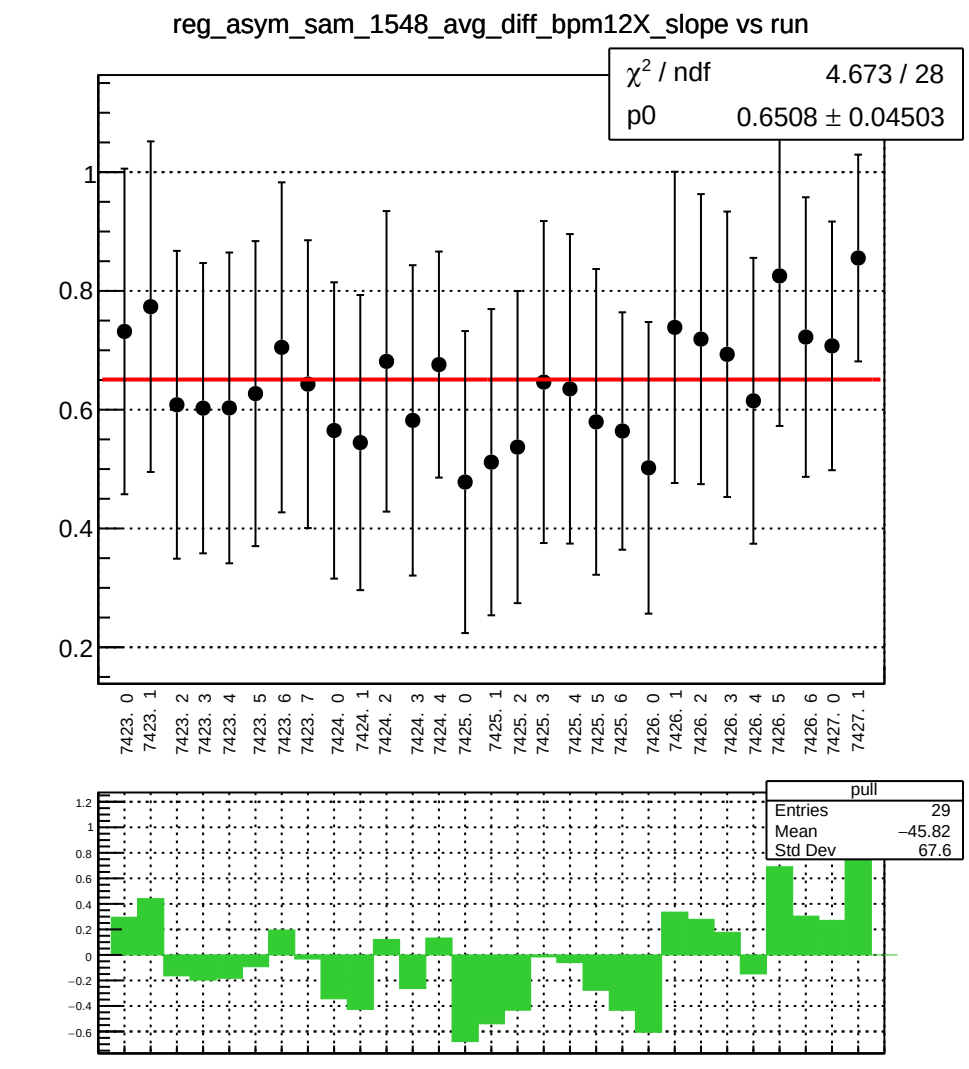

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 49.27 / 28
p0 −36.59 ± 0.9779
−20
−25
−30
−35
−40
−45
−50
−55
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −29.79
Std Dev 46.24
pull1D
Entries 29
Mean 0.1517
Std Dev 1.295

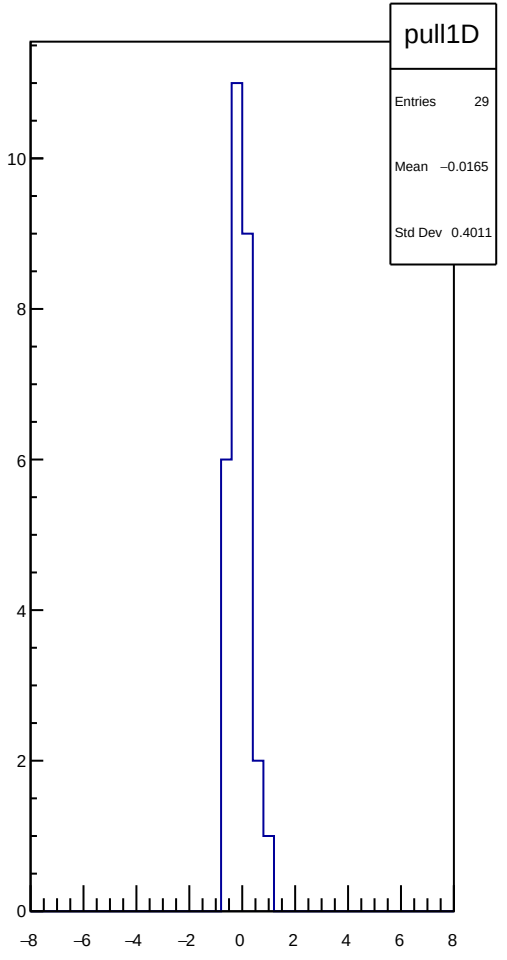

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.93 / 28
p0 18.97 ± 0.9676
40
35
30
25
20
15
10
5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 66.06
Std Dev 49.06
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.06769
Std Dev 1.047
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

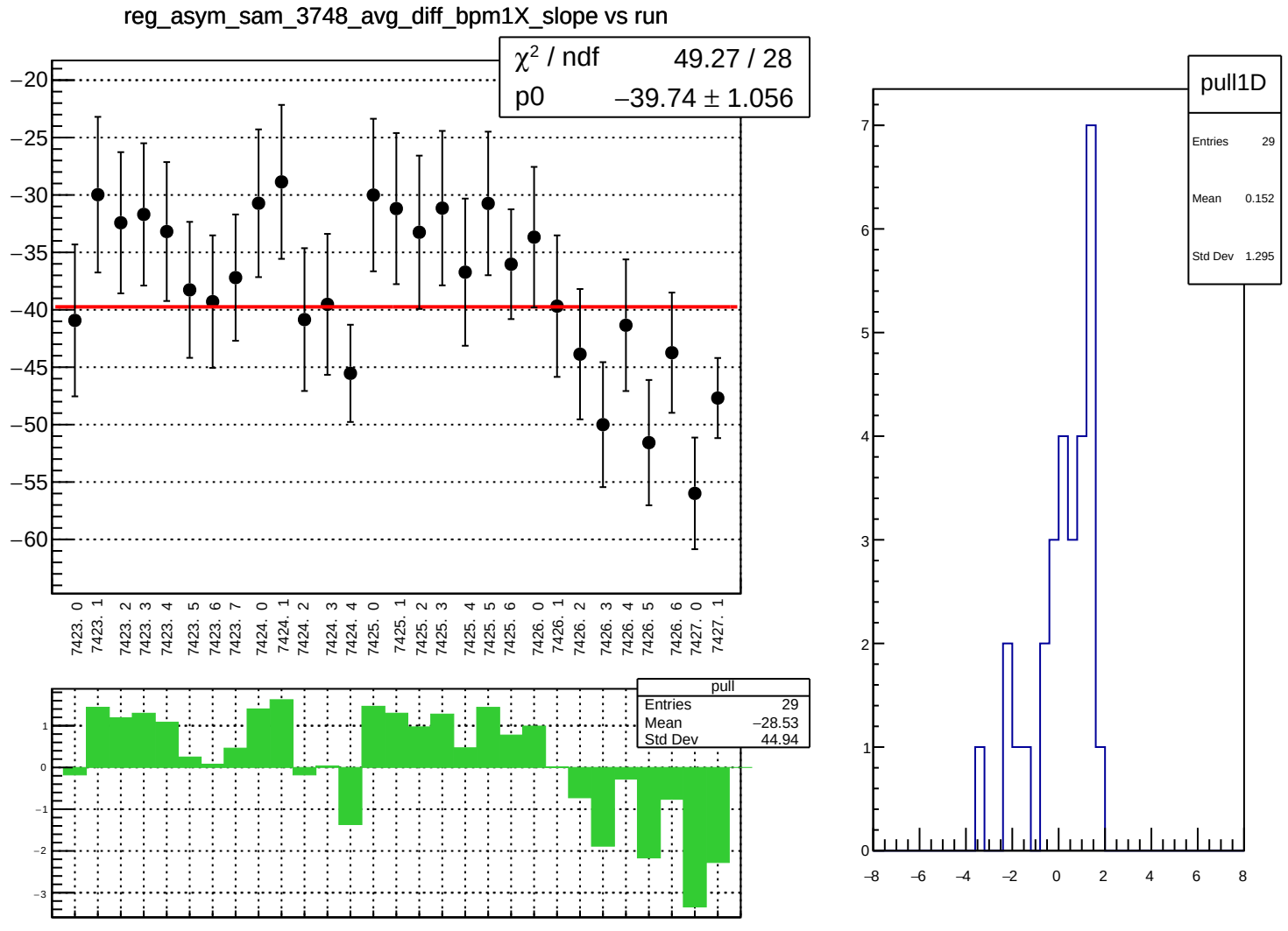

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.37 / 28
p0 −21.41 ± 1.021
0
−10
−20
−30
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −31.29
Std Dev 47.62
pull1D
Entries 29
Mean −0.1928
Std Dev 1.611

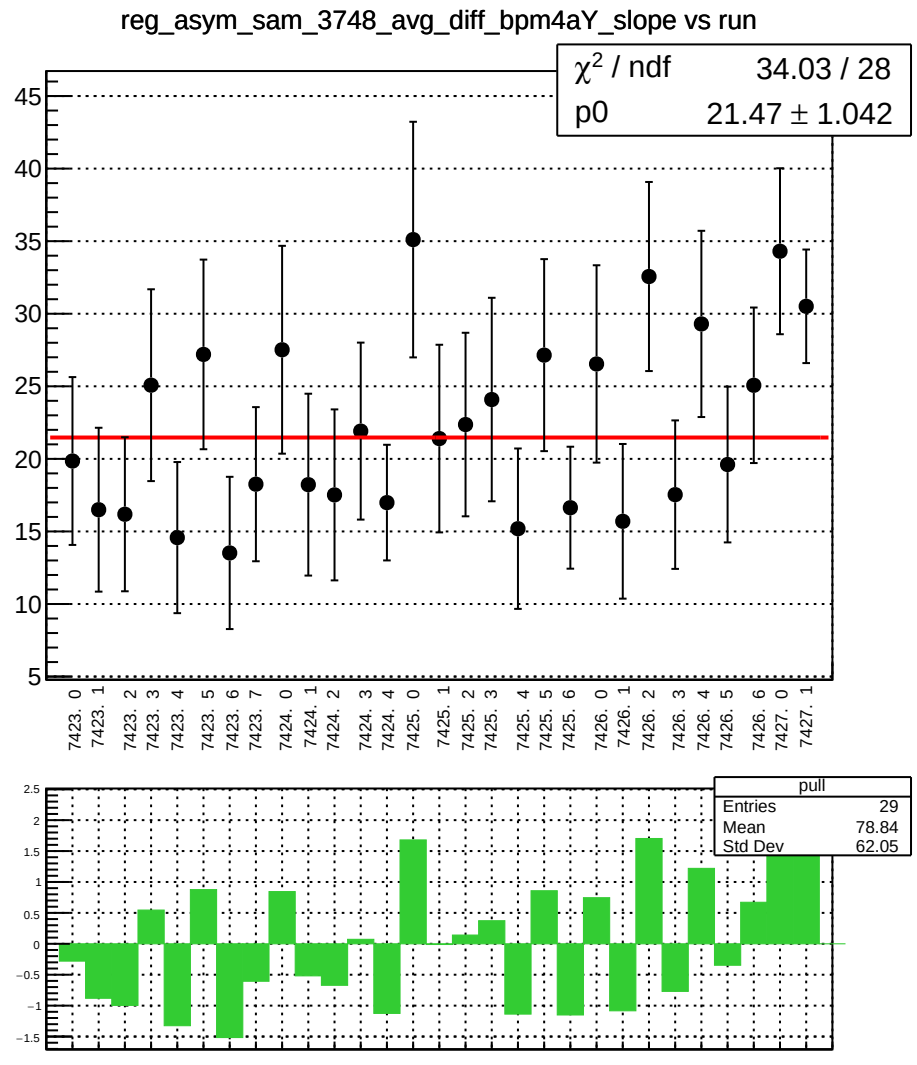

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.82 / 28
p0 76.82 ± 1.038
90
85
80
75
70
65
60
55
50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −713
Std Dev 730.2
1
0
−1
−2
−3

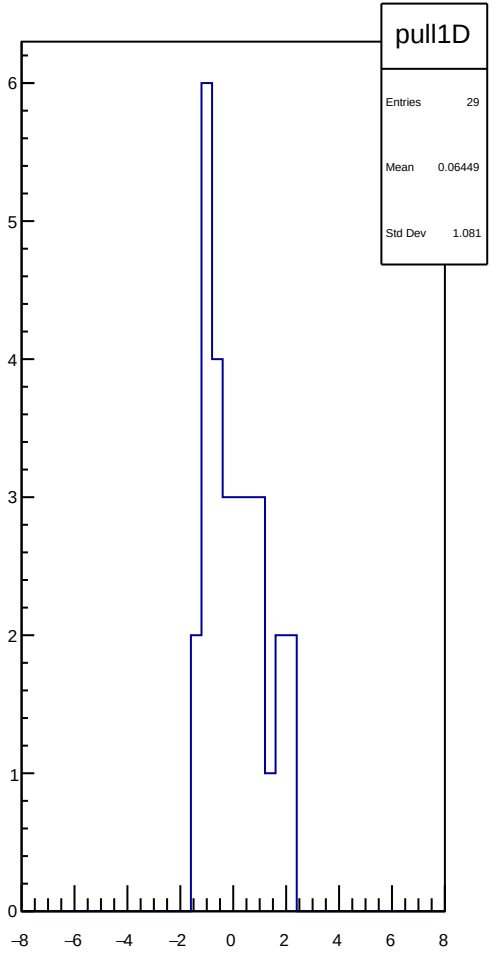

pull1D
Entries 29
Mean 0.006647
Std Dev 1.08
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

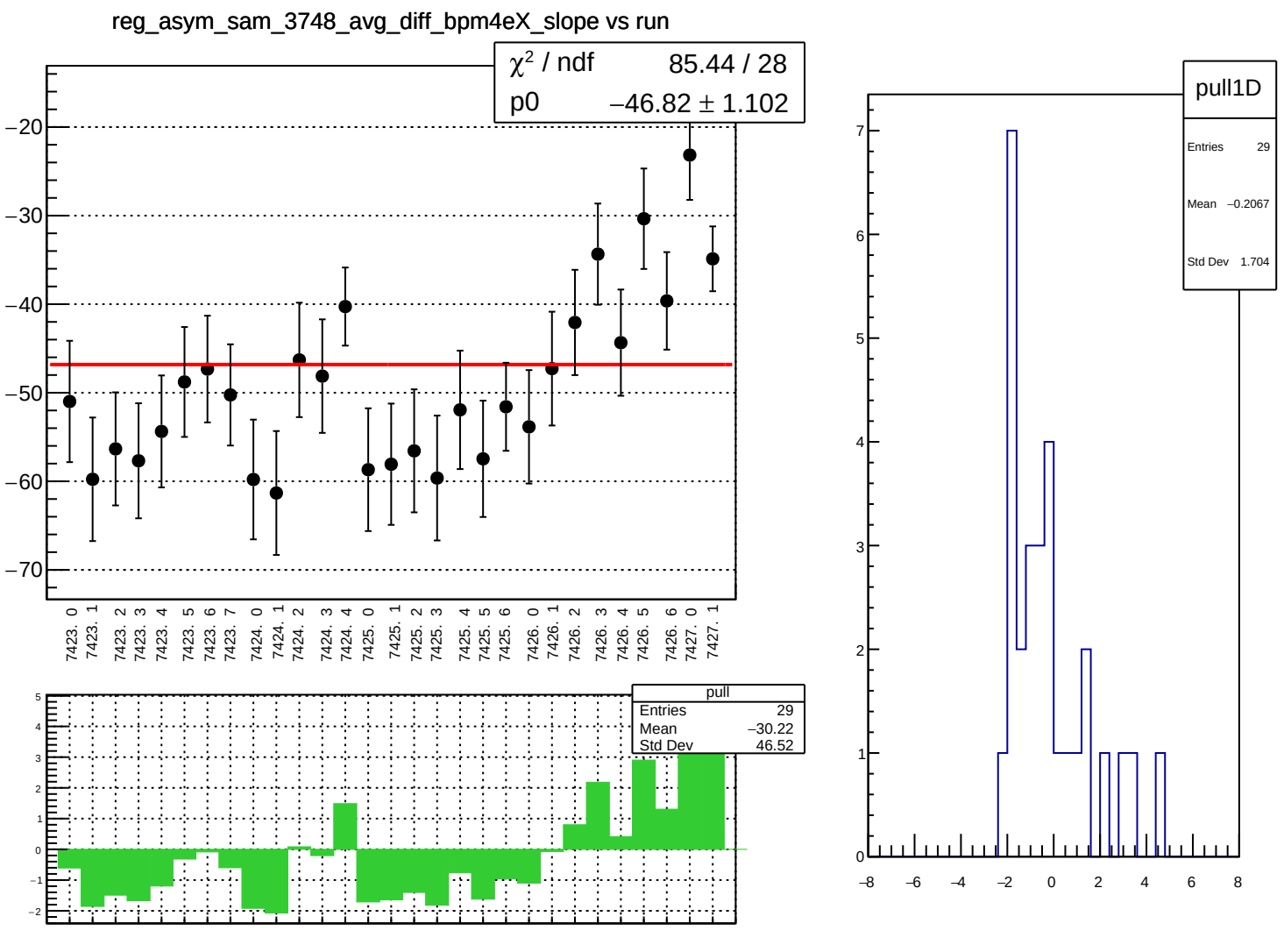

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 4.673 / 28
p0 0.6508 ± 0.04503
1
0.8
0.6
0.4
0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −45.82
Std Dev 67.6
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

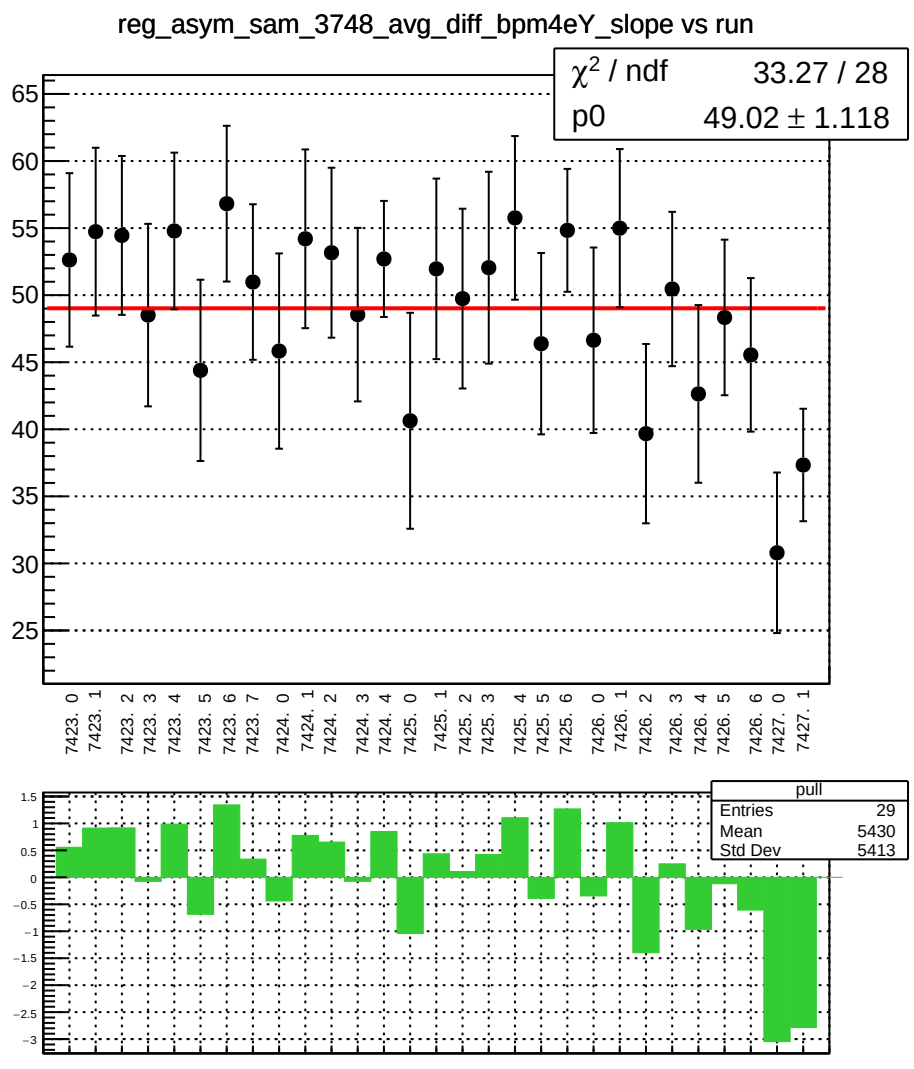

pull1D
Entries 29
Mean −0.0165
Std Dev 0.4011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

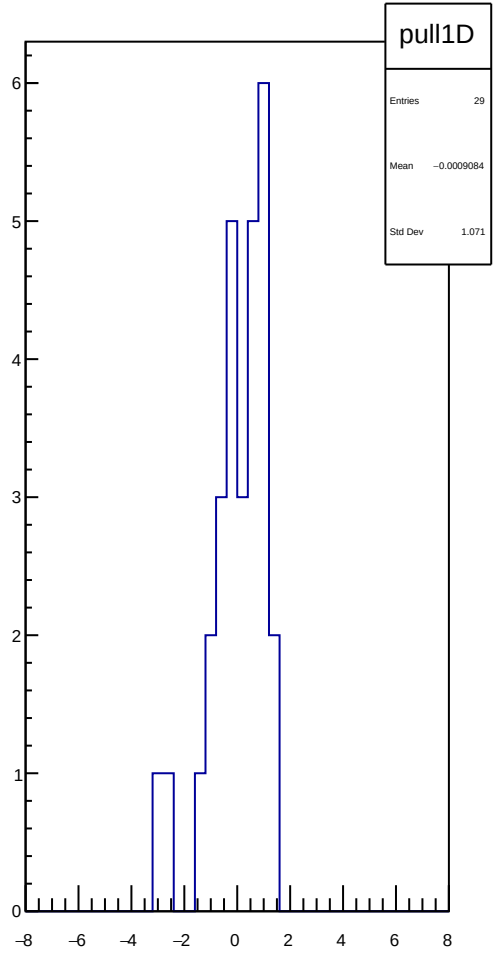

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 49.27 / 28
p0 −39.74 ± 1.056
−20
−25
−30
−35
−40
−45
−50
−55
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −28.53
Std Dev 44.94
1
0
−1
−2
−3
pull1D
Entries 29
Mean 0.152
Std Dev 1.295
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

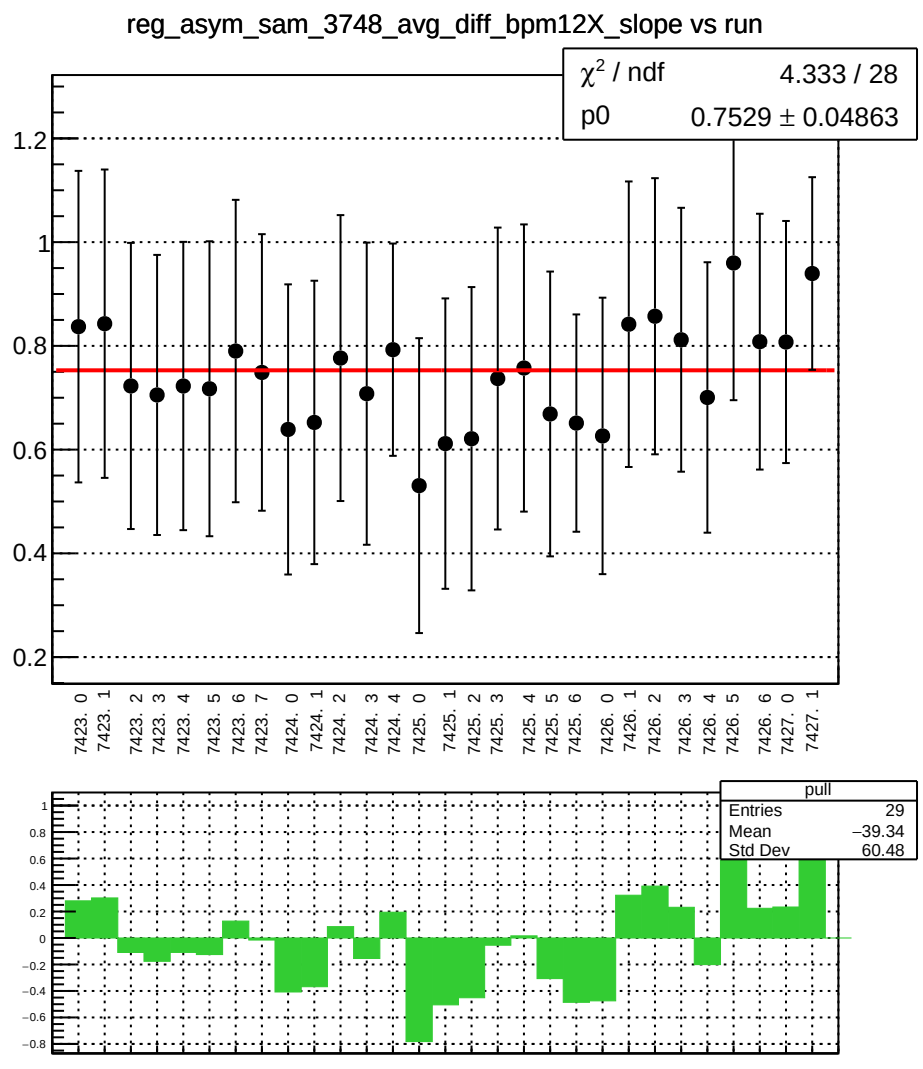

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.03 / 28
p0 21.47 ± 1.042
pull
Entries 29
Mean 78.84
Std Dev 62.05

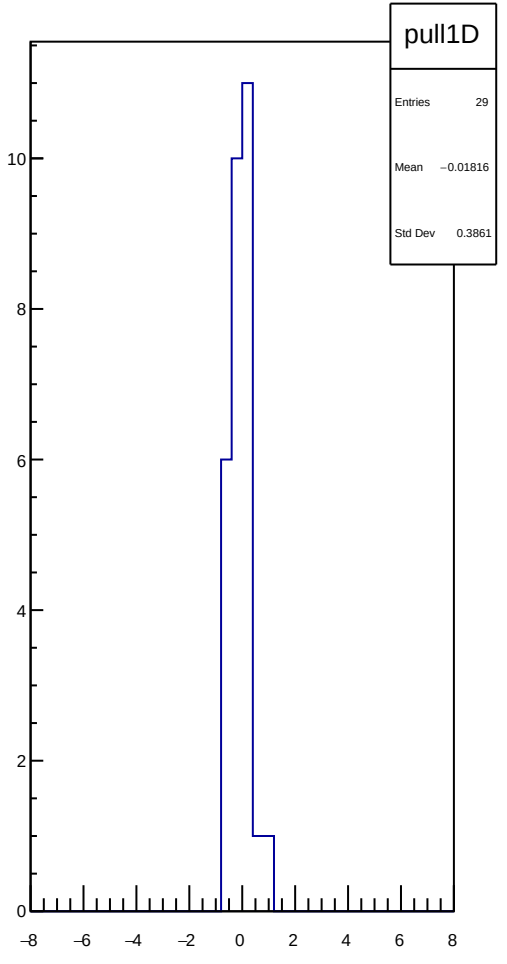

pull1D
Entries 29
Mean 0.06449
Std Dev 1.081

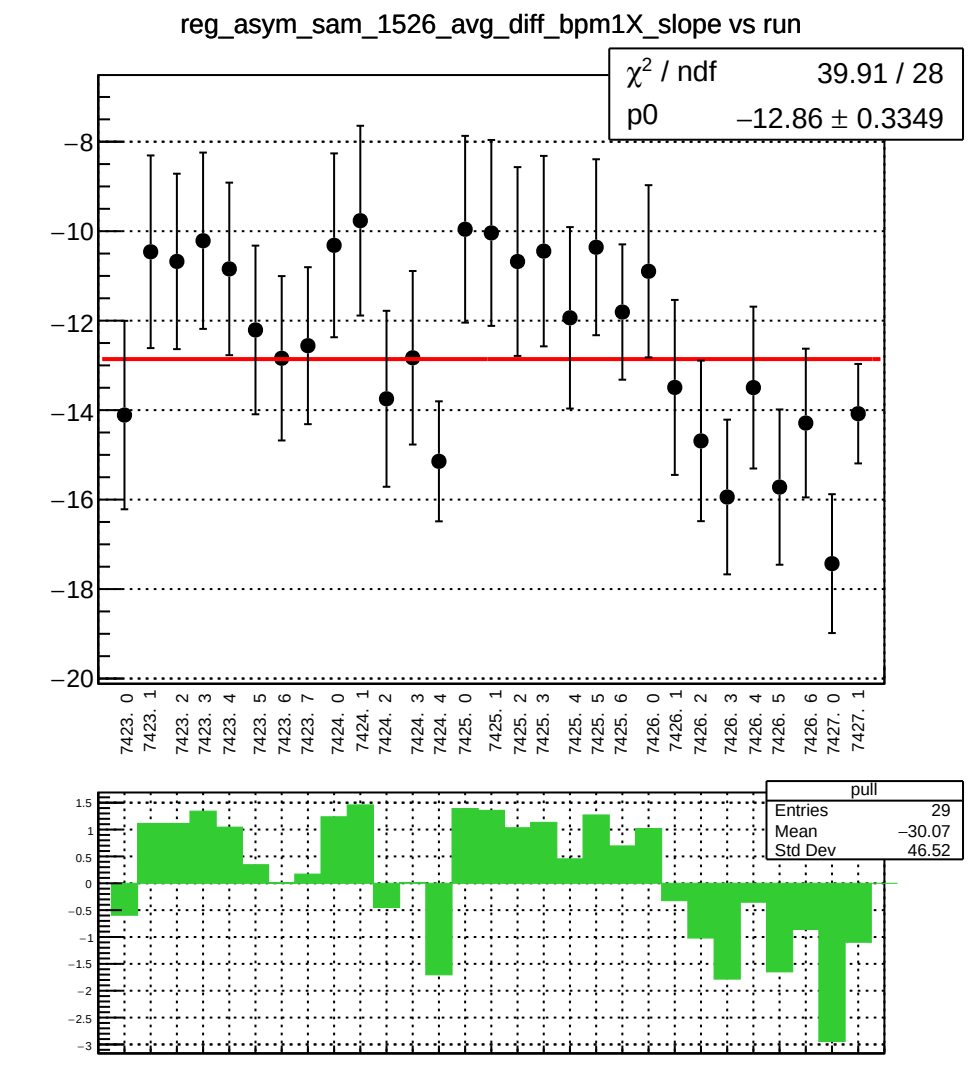

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 85.44 / 28
p0 −46.82 ± 1.102
−20
−30
−40
−50
−60
−70
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.22
Std Dev 46.52
5
4
3
2
1
0
−1
−2
pull1D
Entries 29
Mean −0.2067
Std Dev 1.704
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

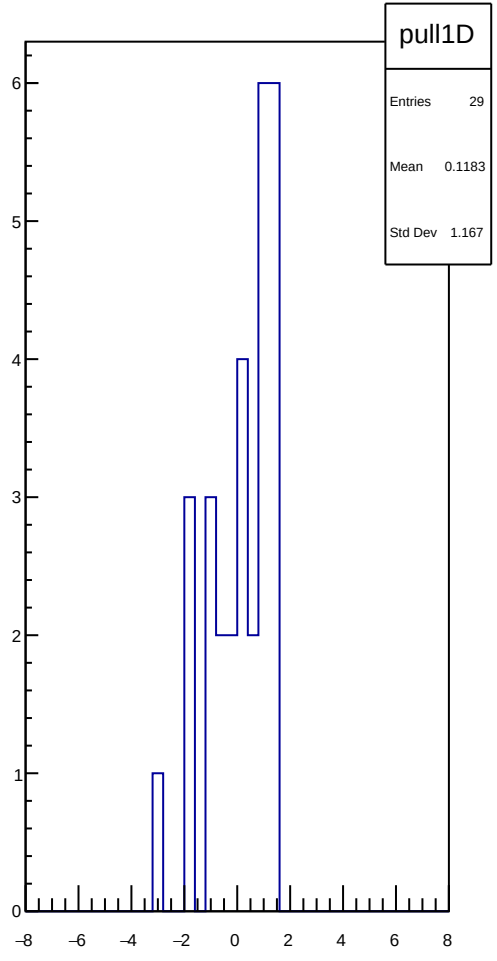

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.27 / 28
p0 49.02 ± 1.118
65
60
55
50
45
40
35
30
25
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 5430
Std Dev 5413
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

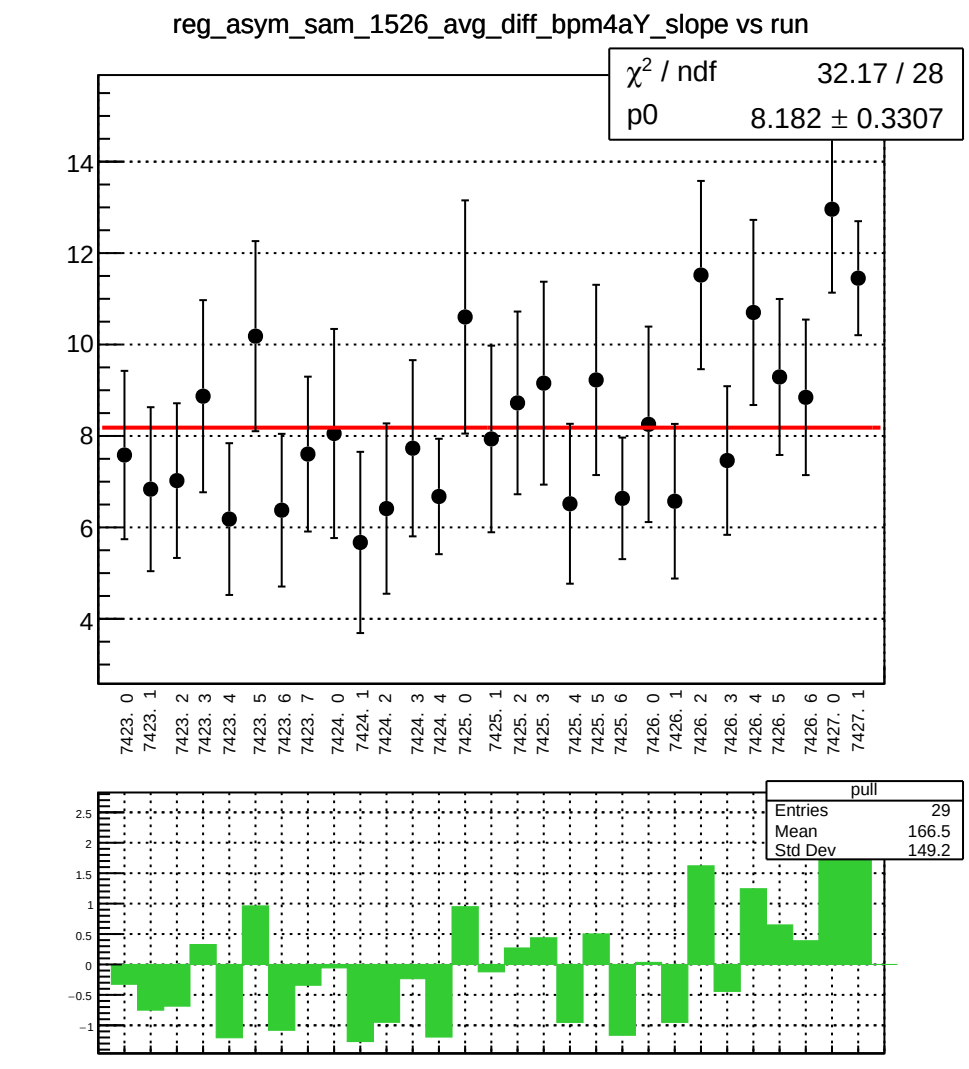

pull1D
Entries 29
Mean −0.0009084
Std Dev 1.071
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

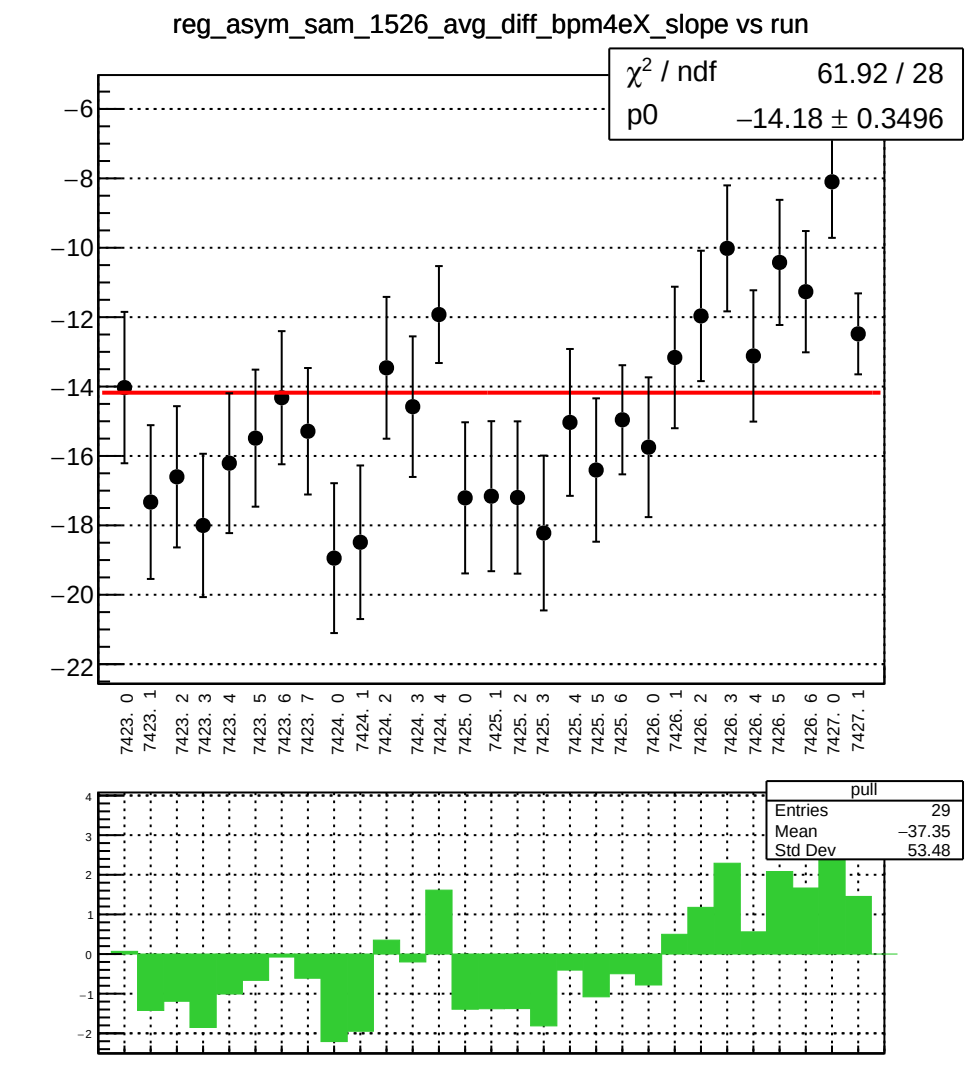

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 4.333 / 28
p0 0.7529 ± 0.04863
1.2
1
0.8
0.6
0.4
0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −39.34
Std Dev 60.48
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

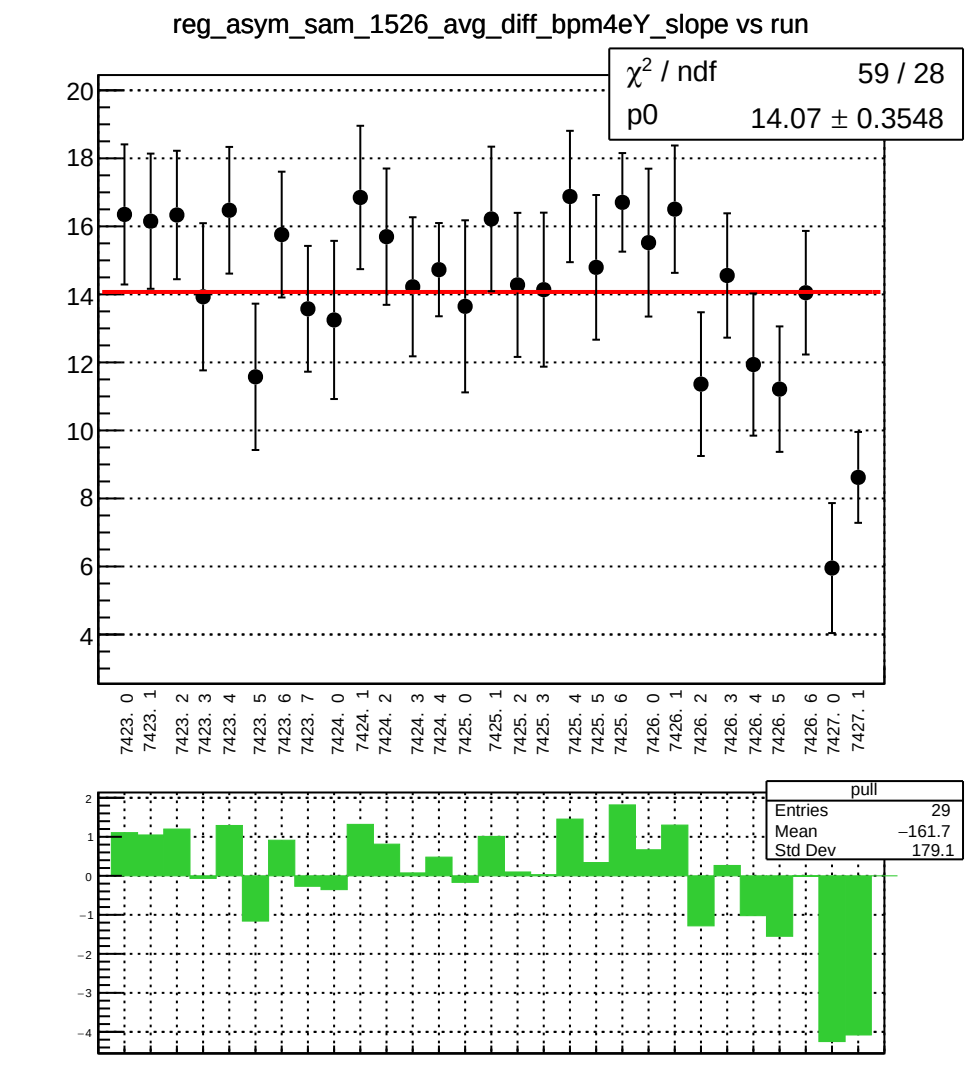

pull1D
Entries 29
Mean −0.01816
Std Dev 0.3861
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

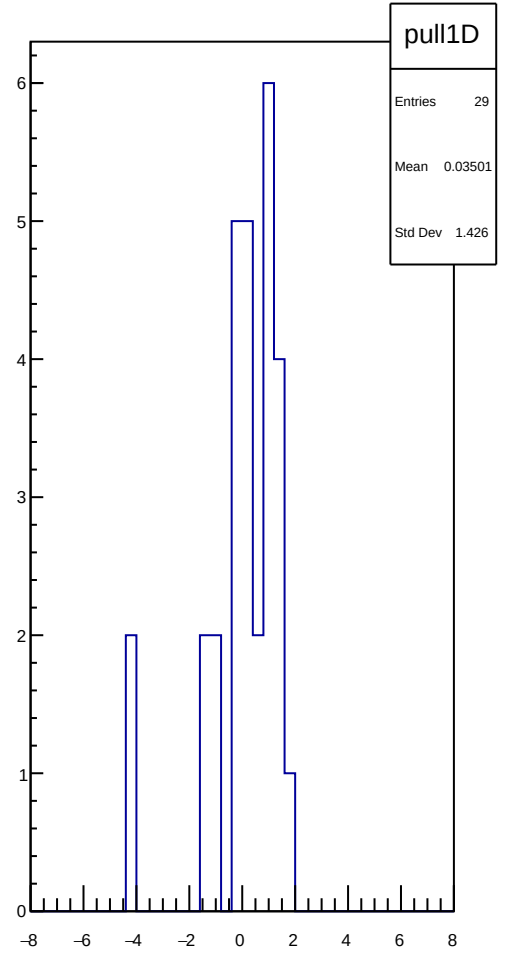

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 39.91 / 28
p0 −12.86 ± 0.3349
pull
Entries 29
Mean −30.07
Std Dev 46.52

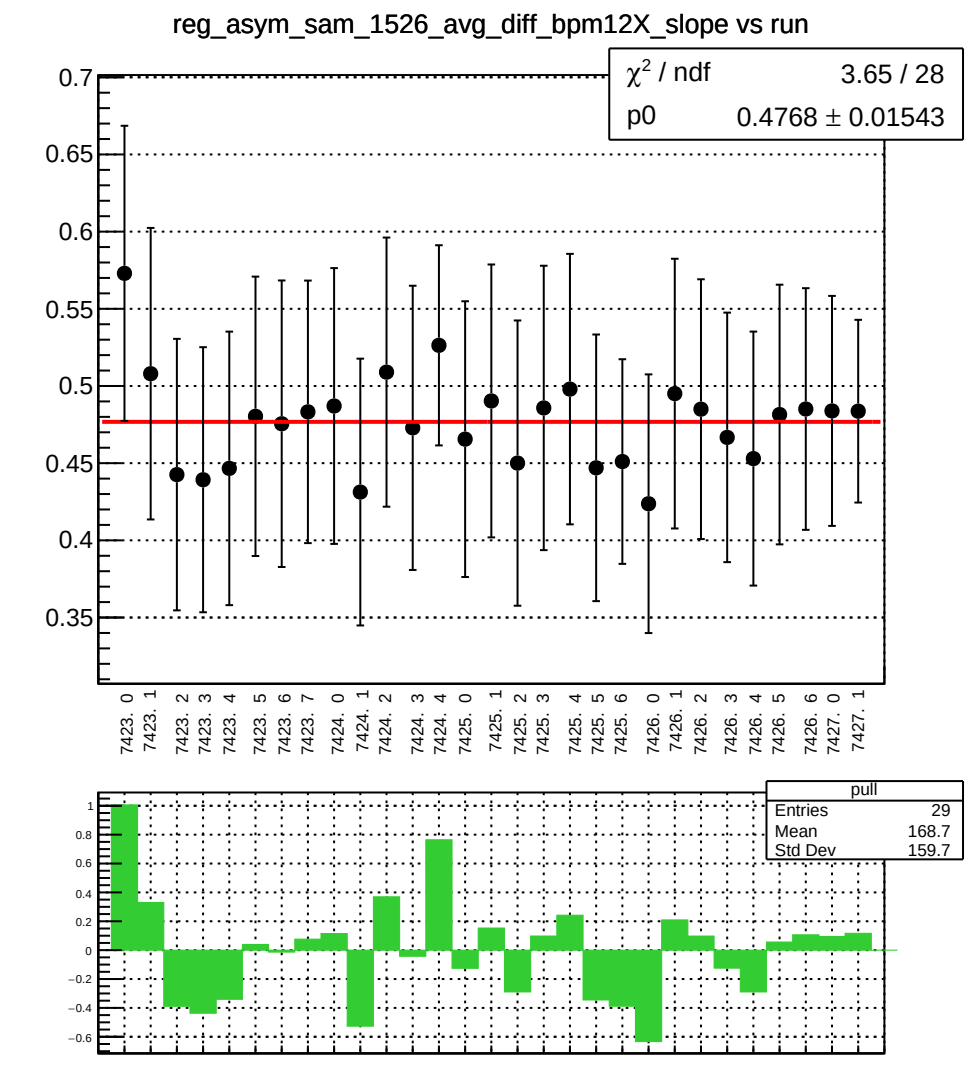

pull1D
Entries 29
Mean 0.1183
Std Dev 1.167

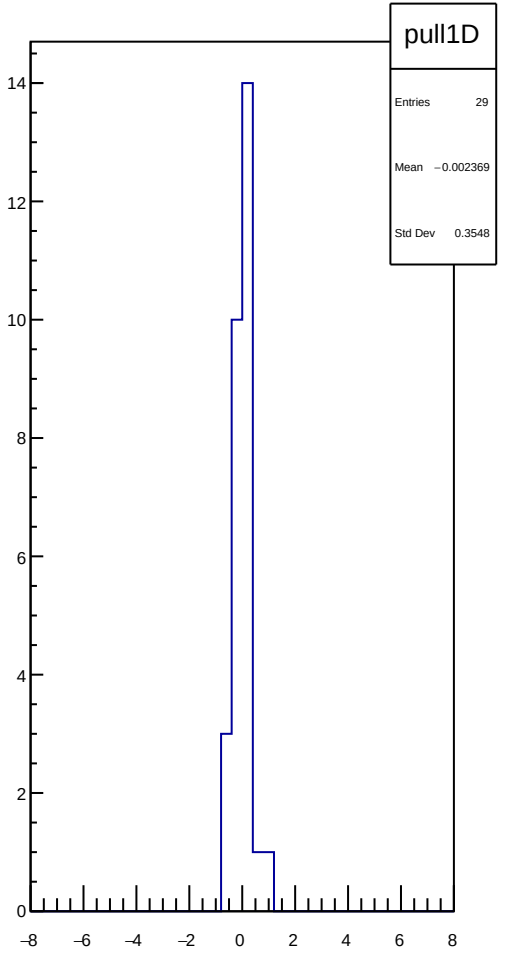

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.17 / 28
p0 8.182 ± 0.3307
14
12
10
8
6
4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 166.5
Std Dev 149.2
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.03129
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

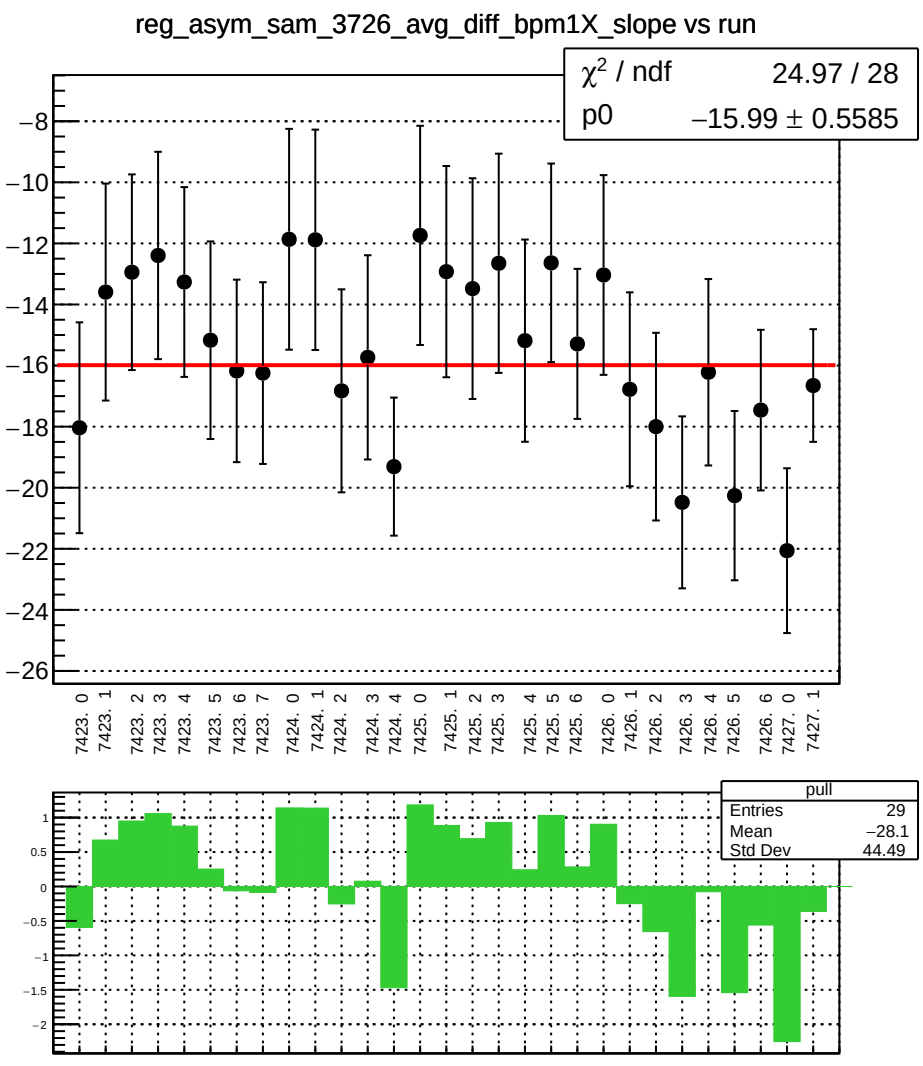

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.92 / 28
p0 −14.18 ± 0.3496
pull
Entries 29
Mean −37.35
Std Dev 53.48
pull1D
Entries 29
Mean −0.151
Std Dev 1.453

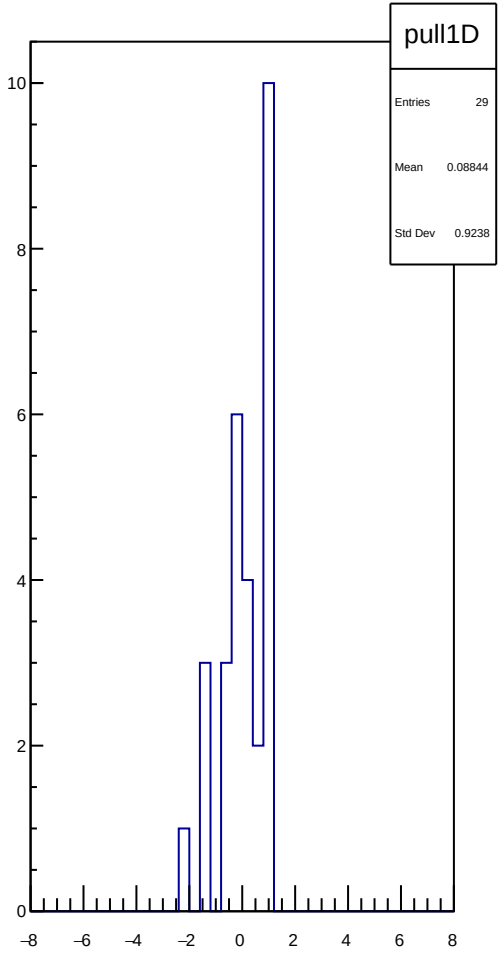

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 59 / 28
p0 14.07 ± 0.3548
20
18
16
14
12
10
8
6
4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −161.7
Std Dev 179.1
2
1
0
−1
−2
−3
−4

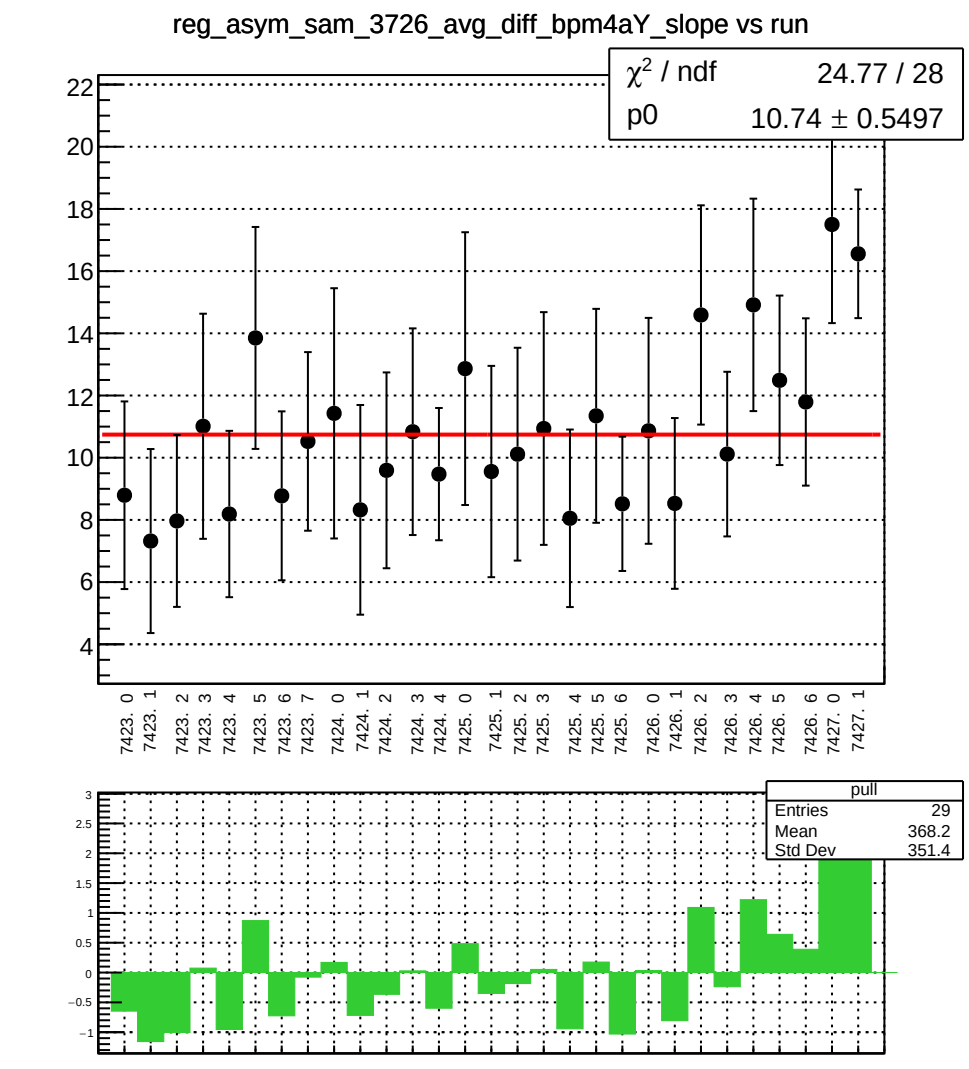

pull1D
Entries 29
Mean 0.03501
Std Dev 1.426
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

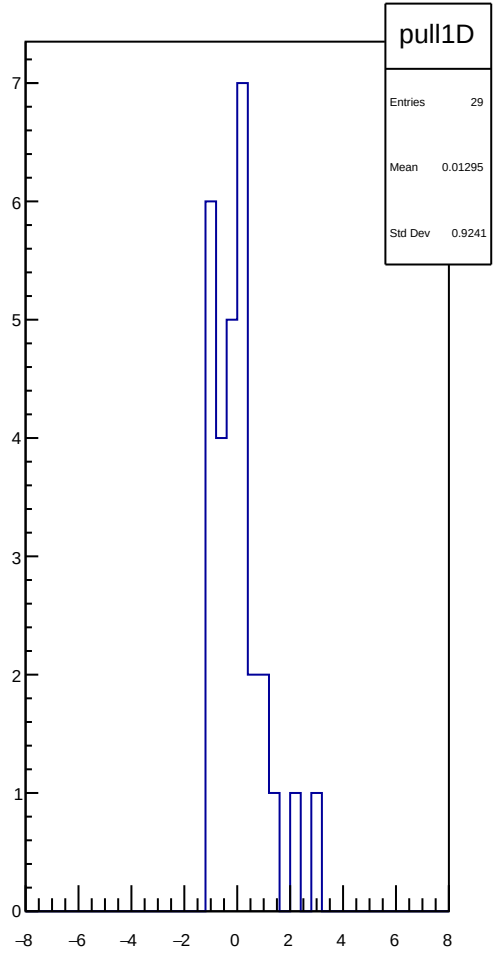

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 3.65 / 28
p0 0.4768 ± 0.01543
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 168.7
Std Dev 159.7
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

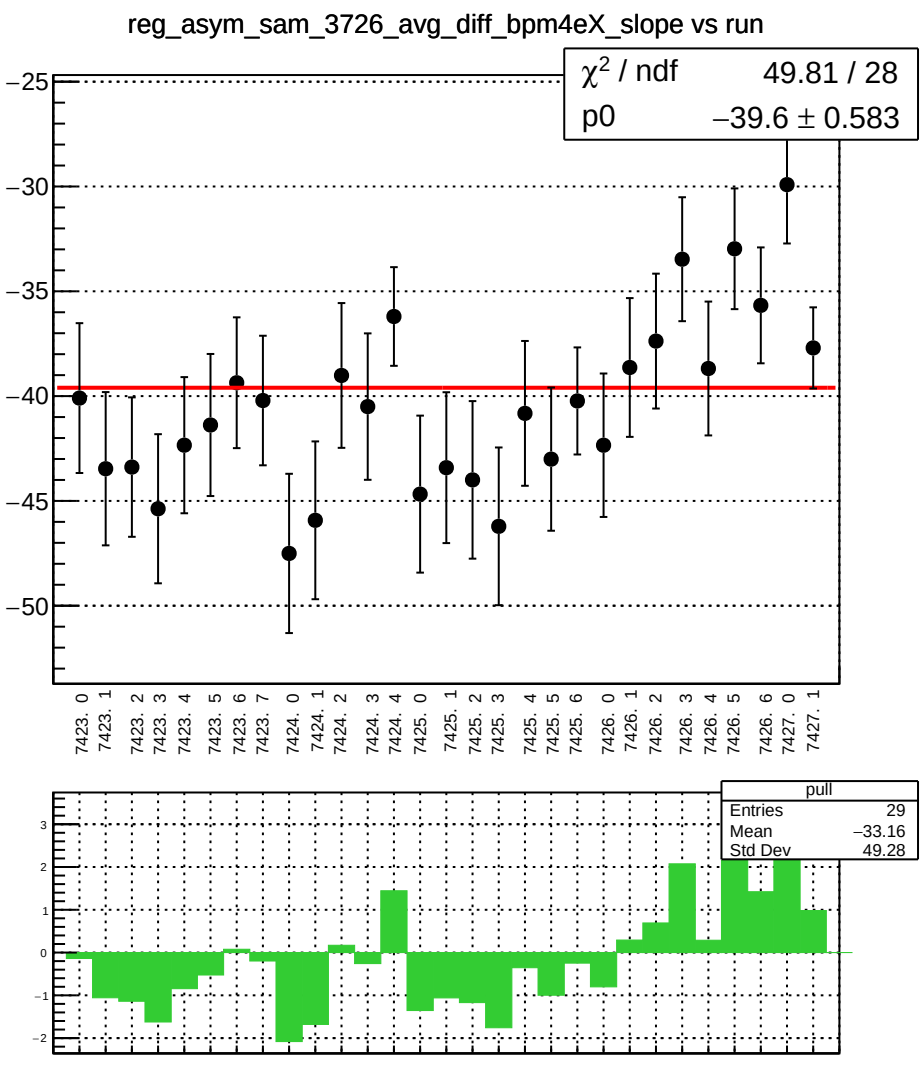

pull1D
Entries 29
Mean −0.002369
Std Dev 0.3548
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

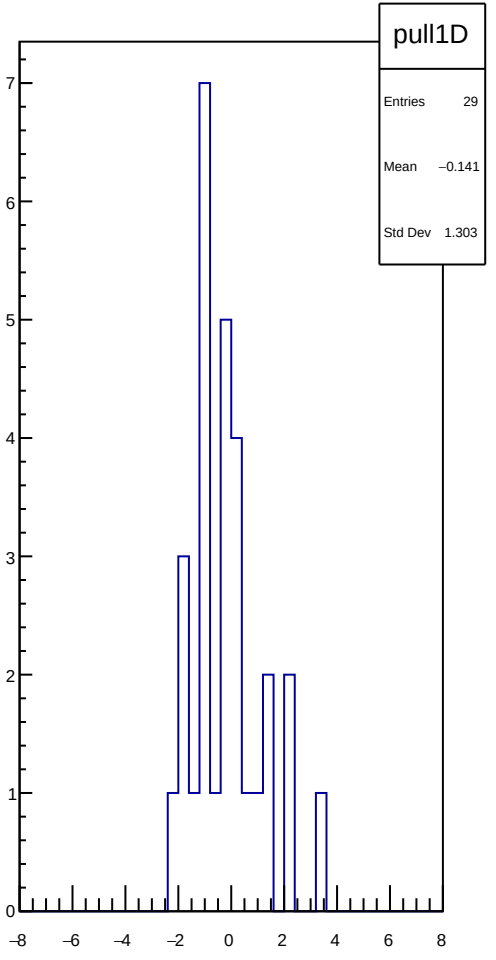

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 24.97 / 28
p0 −15.99 ± 0.5585
pull
Entries 29
Mean −28.1
Std Dev 44.49

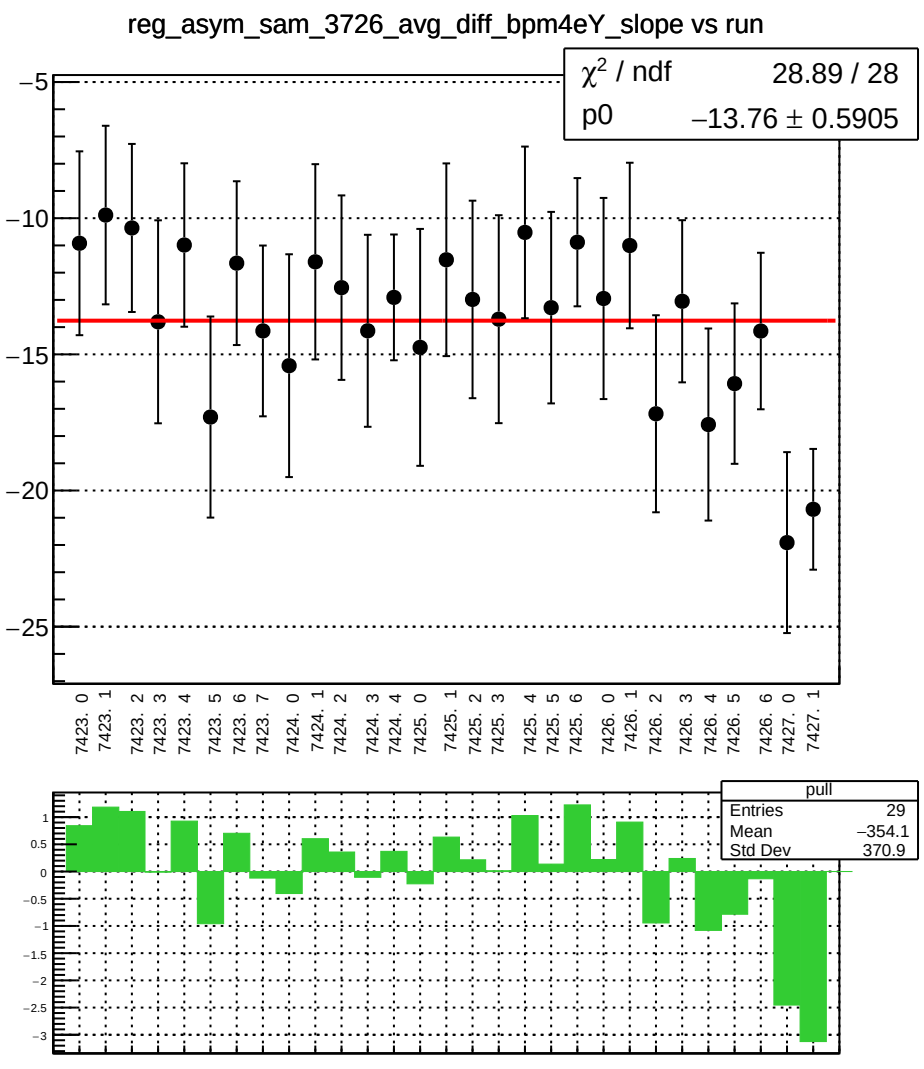

pull1D
Entries 29
Mean 0.08844
Std Dev 0.9238

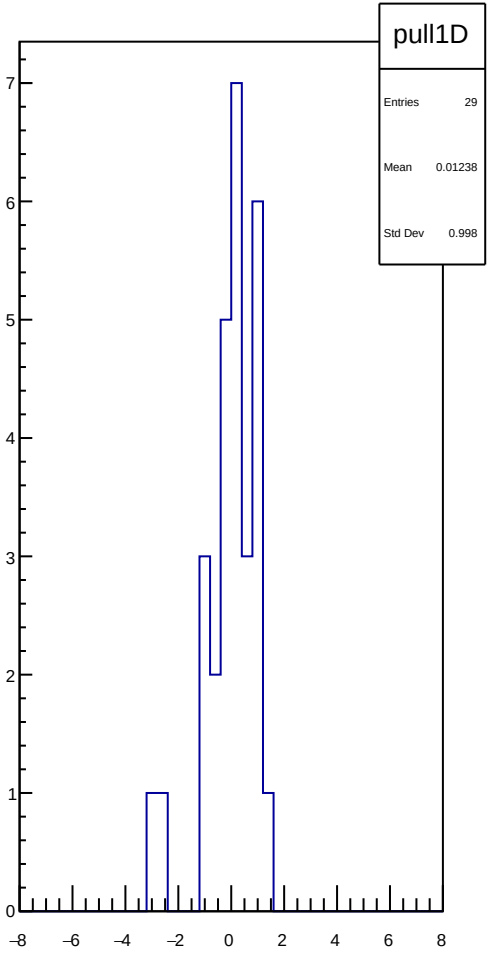

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.77 / 28
p0 10.74 ± 0.5497
pull
Entries 29
Mean 368.2
Std Dev 351.4

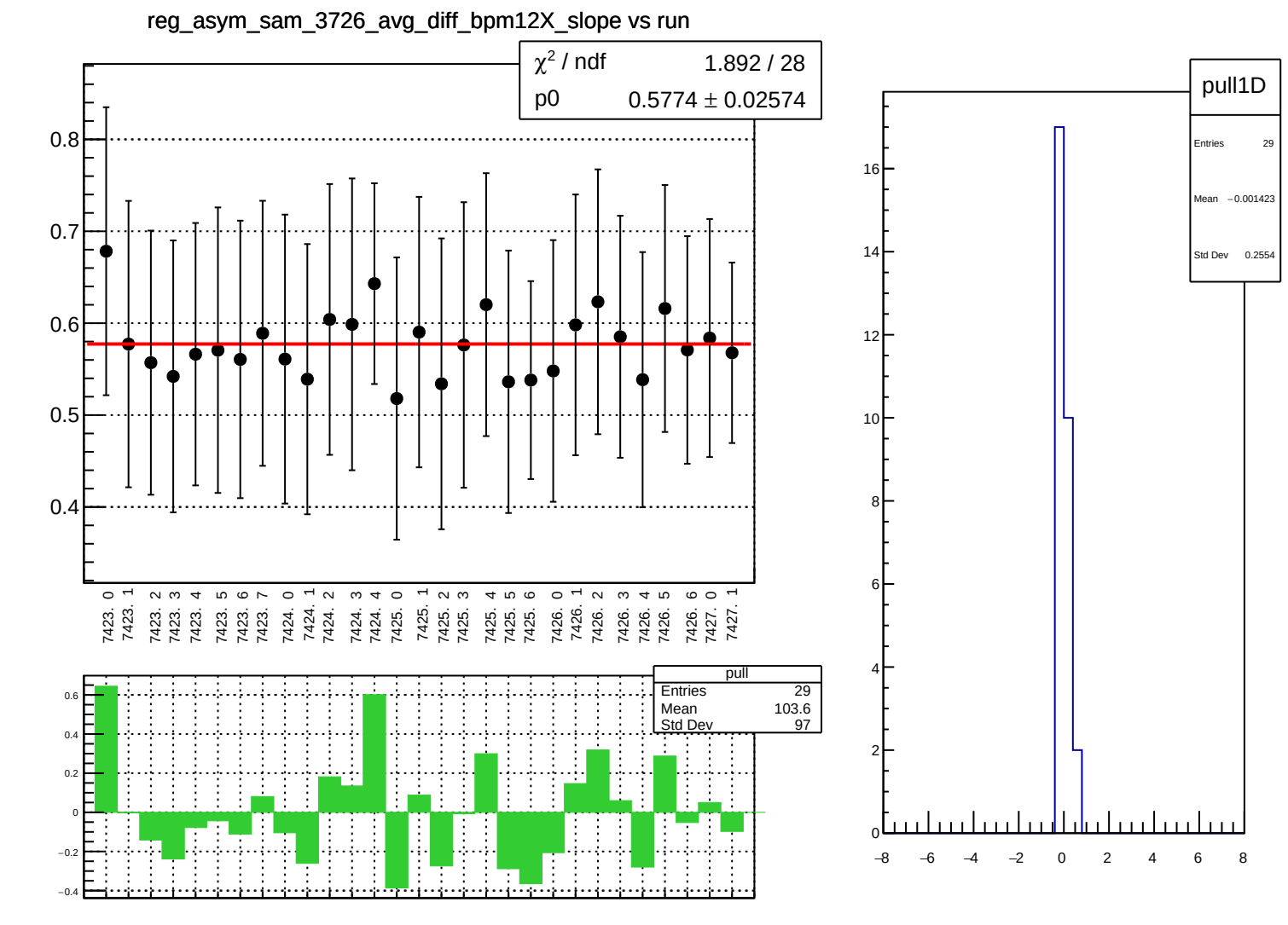

pull1D
Entries 29
Mean 0.01295
Std Dev 0.9241

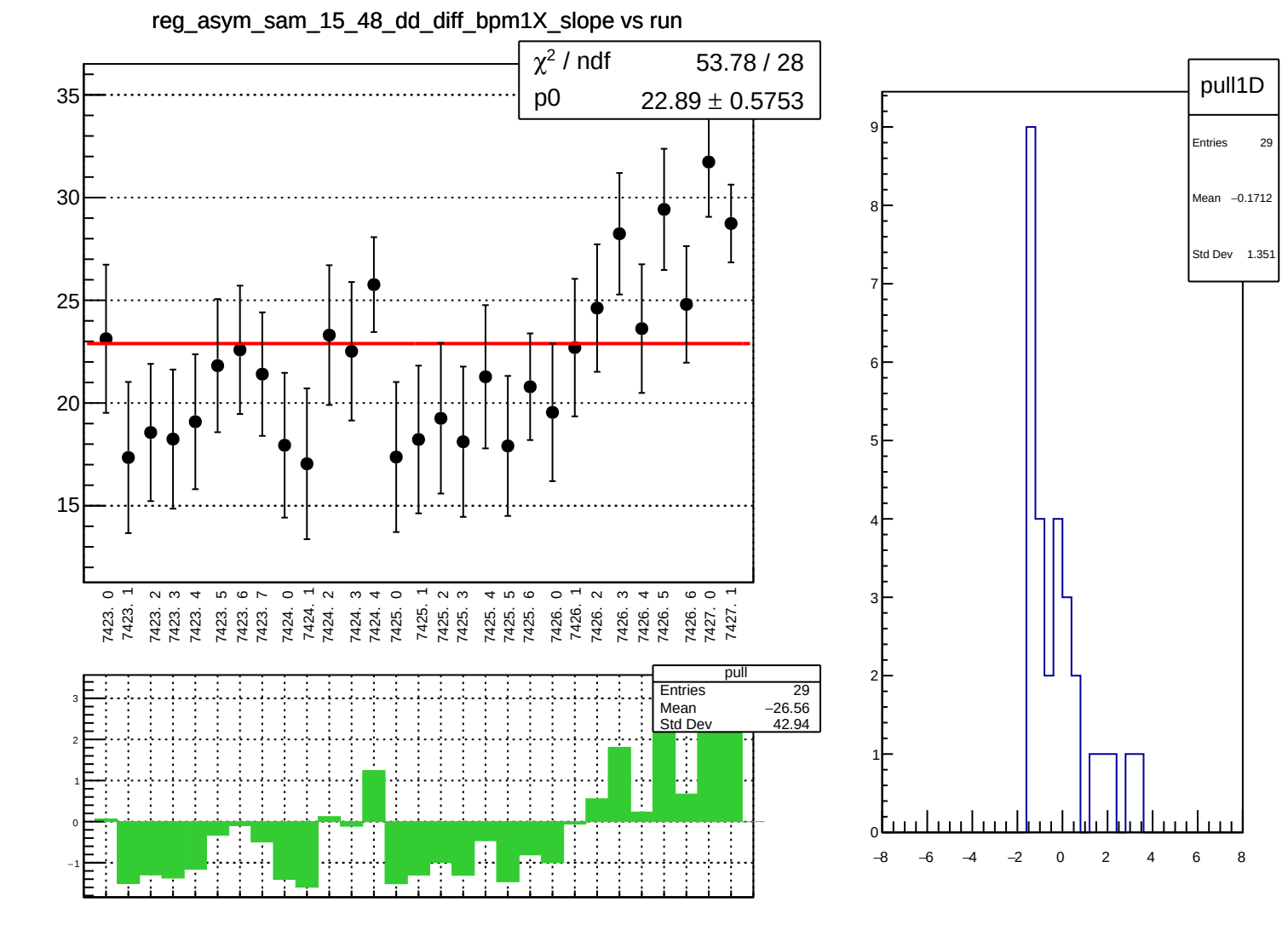

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.81 / 28
p0 −39.6 ± 0.583
−25
−30
−35
−40
−45
−50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −33.16
Std Dev 49.28
3
2
1
0
−1
−2

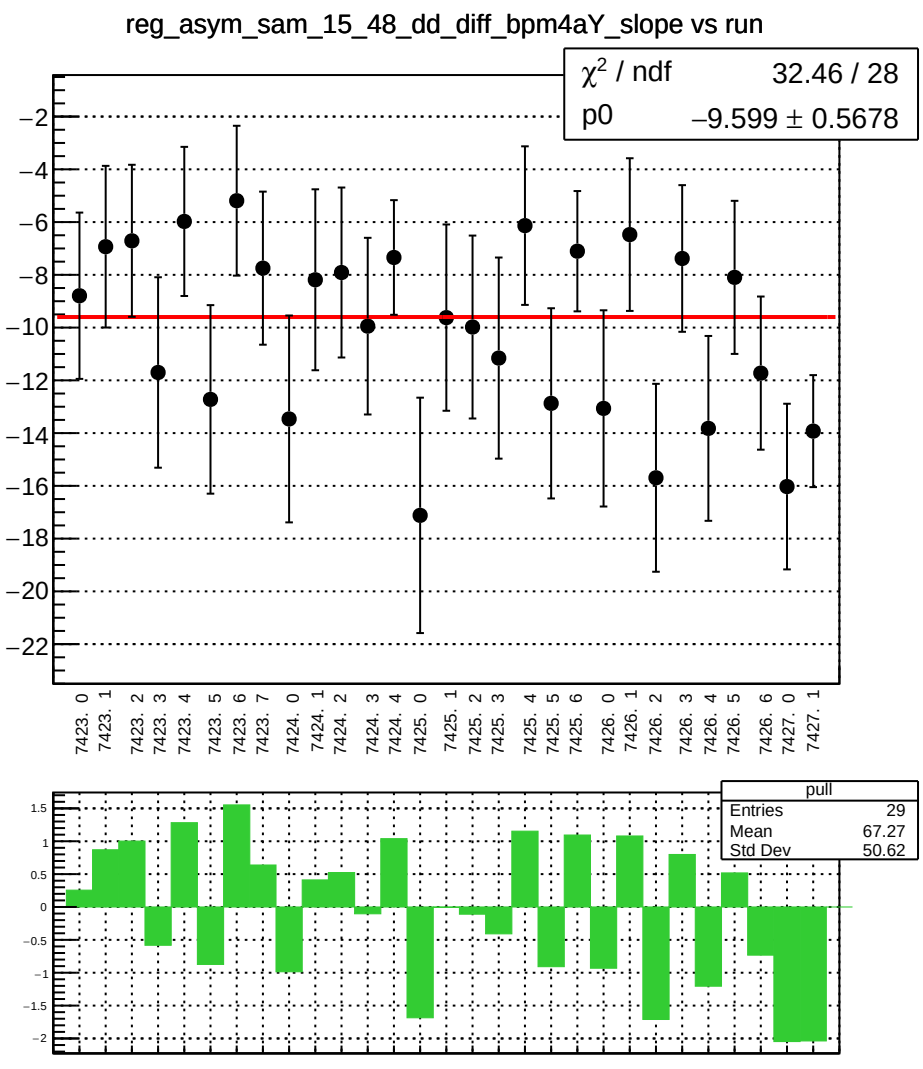

pull1D
Entries 29
Mean −0.141
Std Dev 1.303
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

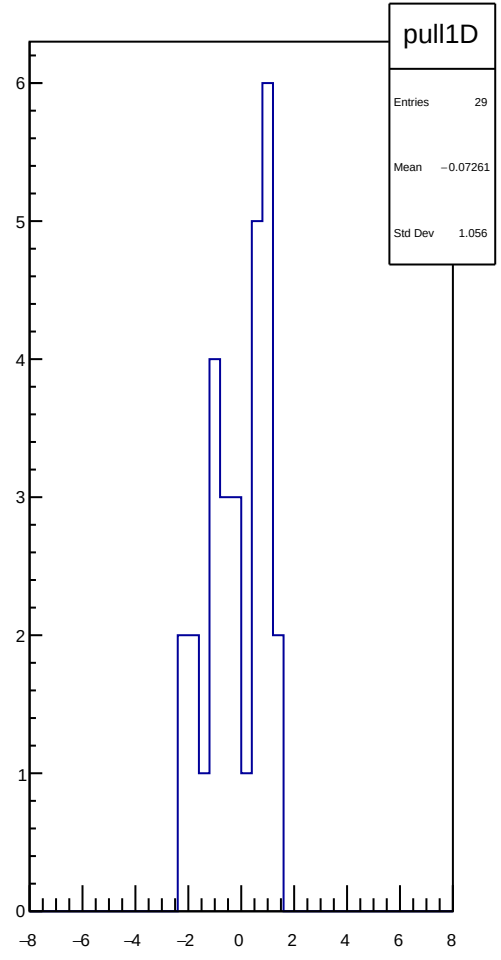

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.89 / 28
p0 −13.76 ± 0.5905
−5
−10
−15
−20
−25
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −354.1
Std Dev 370.9
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

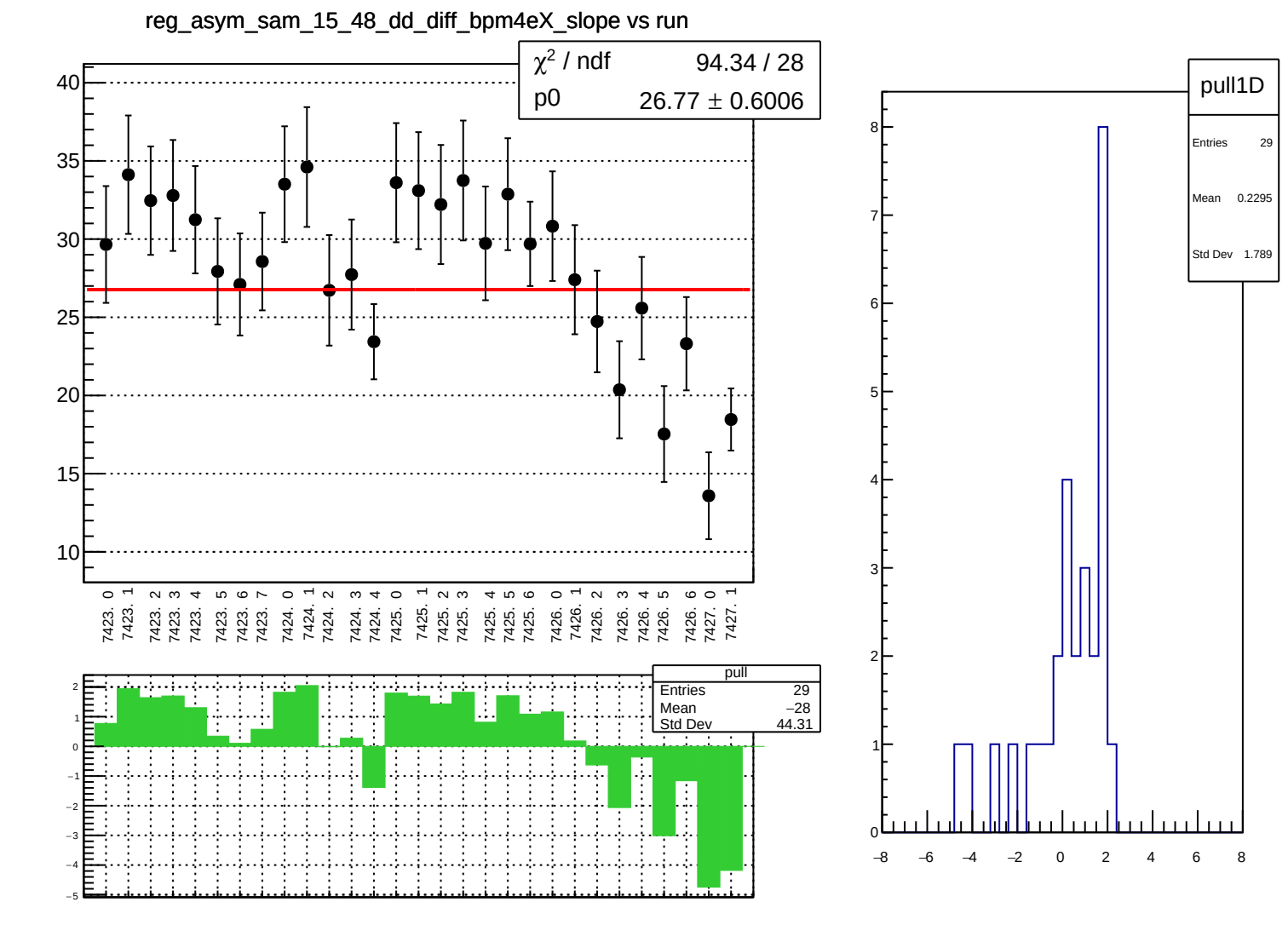

pull1D
Entries 29
Mean 0.01238
Std Dev 0.998
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

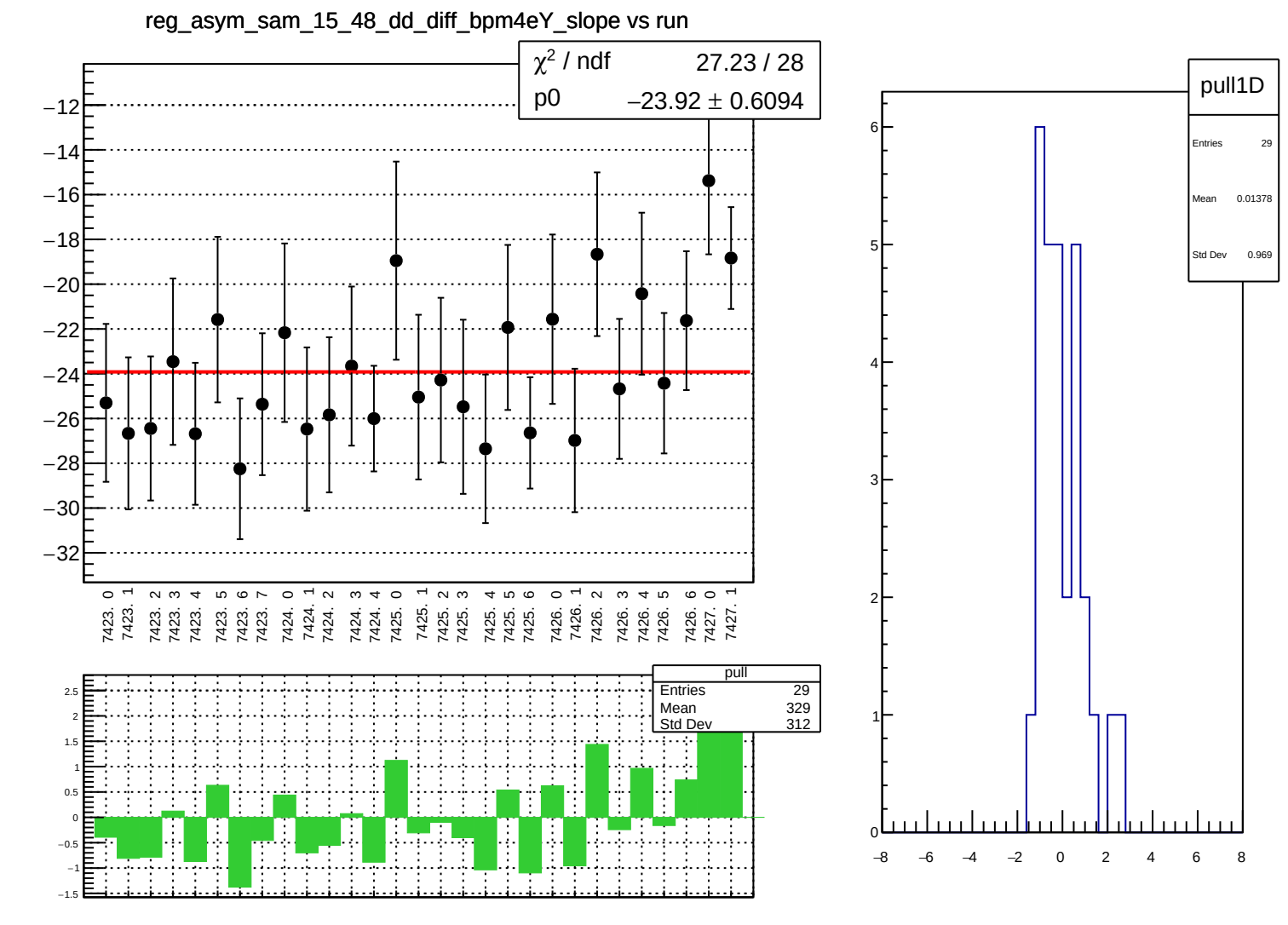

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 1.892 / 28
p0 0.5774 ± 0.02574
0.8
0.7
0.6
0.5
0.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 103.6
Std Dev 97
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 29
Mean −0.001423
Std Dev 0.2554
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

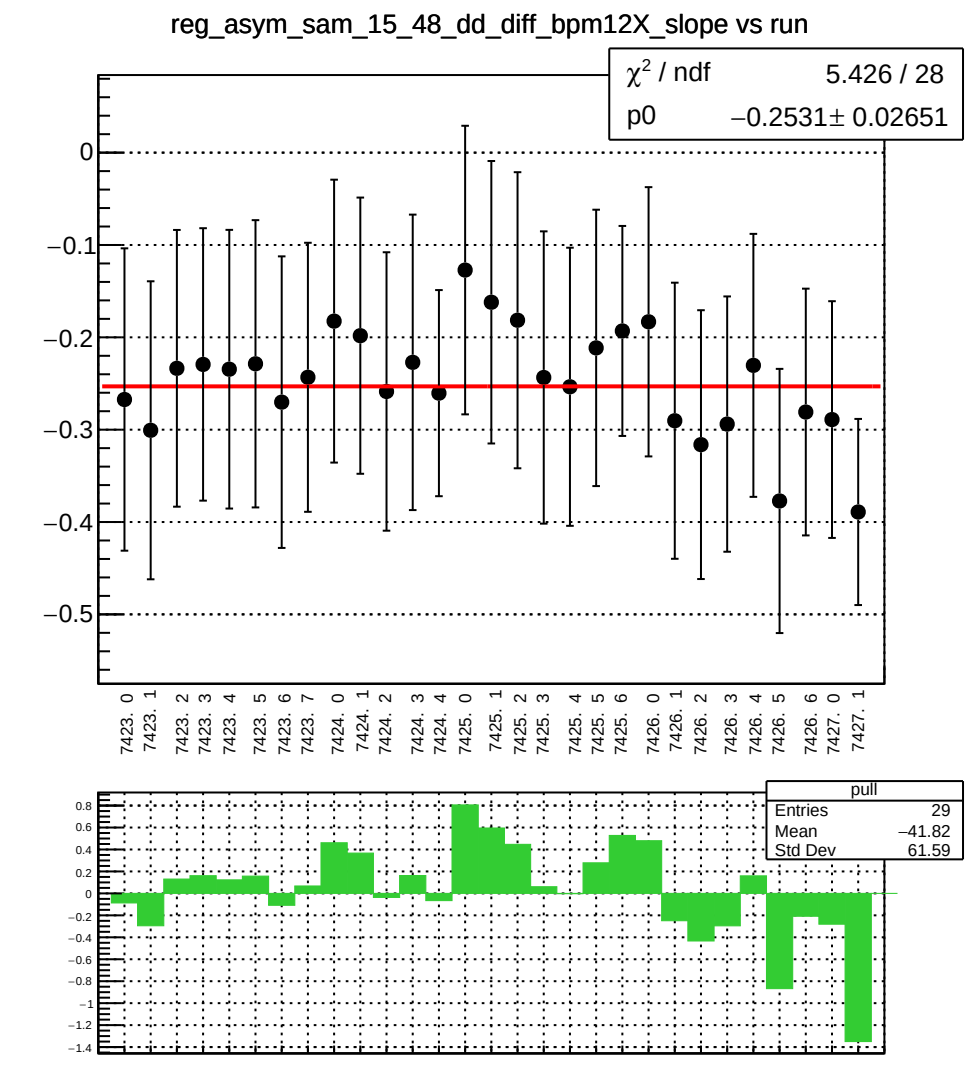

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 53.78 / 28
p0 22.89 ± 0.5753
35
30
25
20
15
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −26.56
Std Dev 42.94
3
2
1
0
−1
pull1D
Entries 29
Mean −0.1712
Std Dev 1.351
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

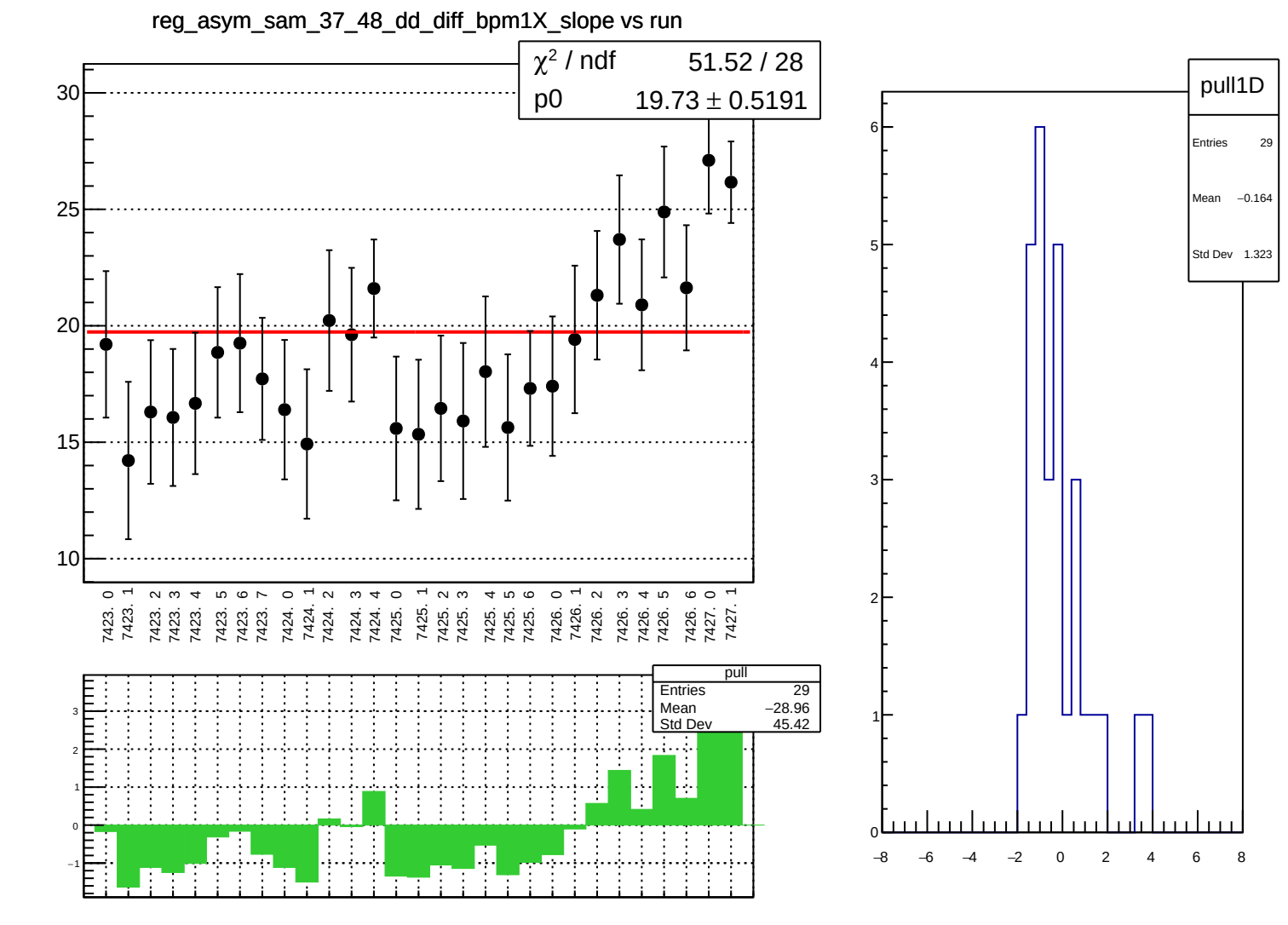

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.46 / 28
p0 −9.599 ± 0.5678
pull
Entries 29
Mean 67.27
Std Dev 50.62

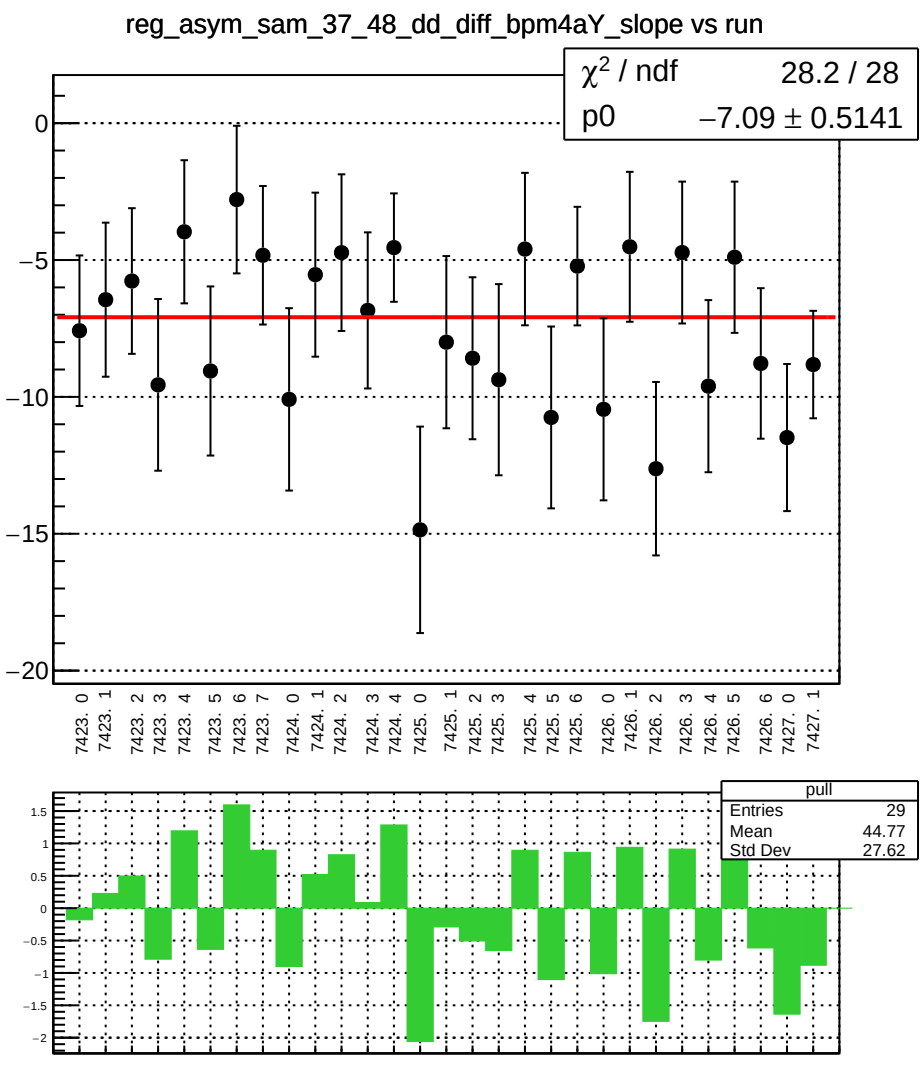

pull1D
Entries 29
Mean −0.07261
Std Dev 1.056

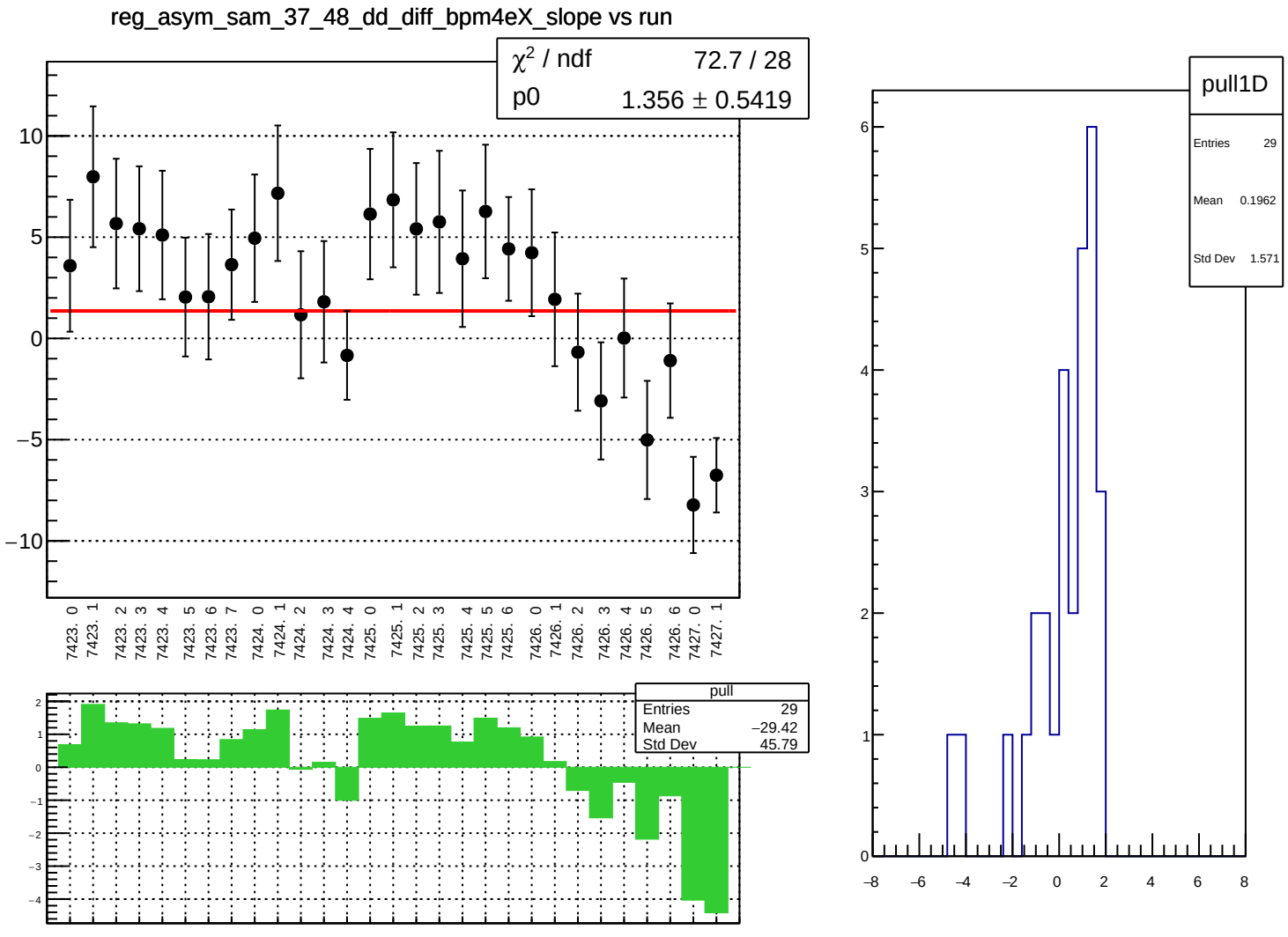

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 94.34 / 28
p0 26.77 ± 0.6006
40
35
30
25
20
15
10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −28
Std Dev 44.31
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 29
Mean 0.2295
Std Dev 1.789
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

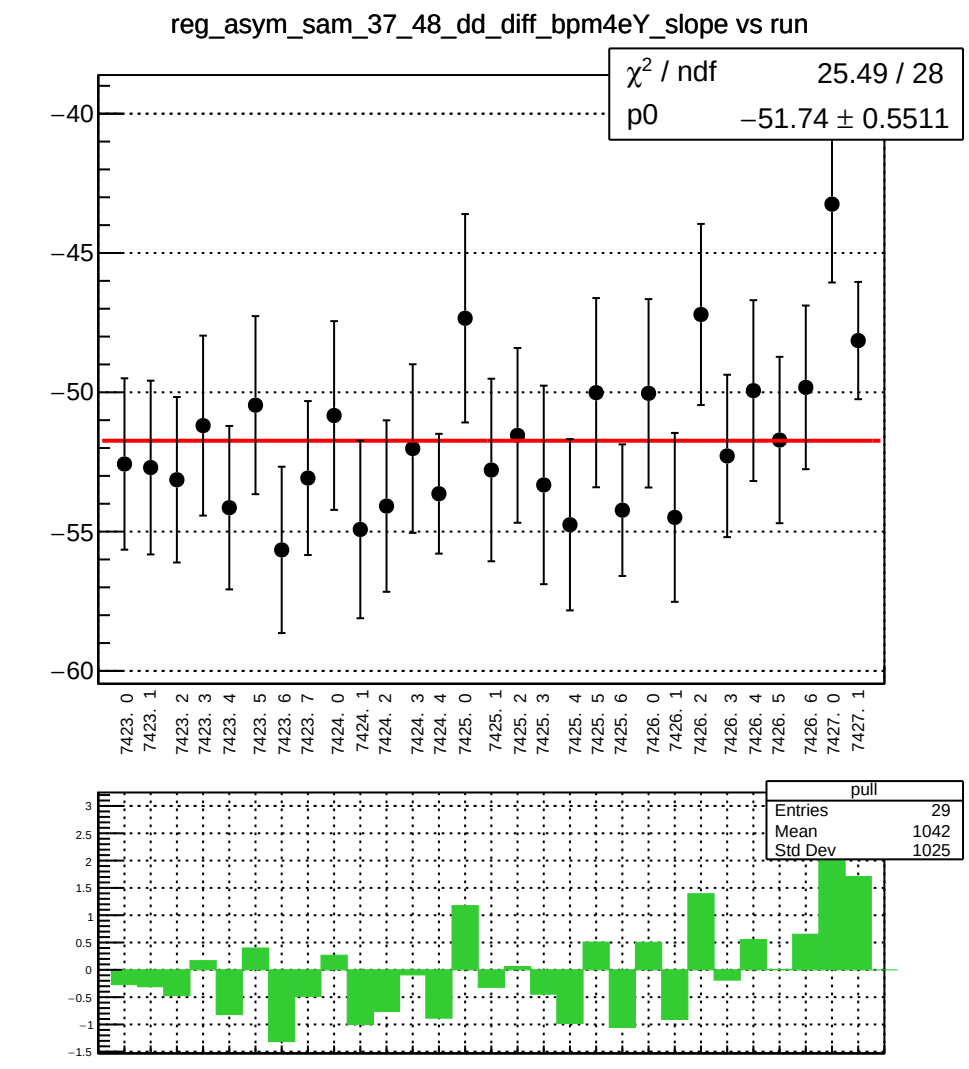

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.23 / 28
p0 −23.92 ± 0.6094
pull
Entries 29
Mean 329
Std Dev 312
pull1D
Entries 29
Mean 0.01378
Std Dev 0.969

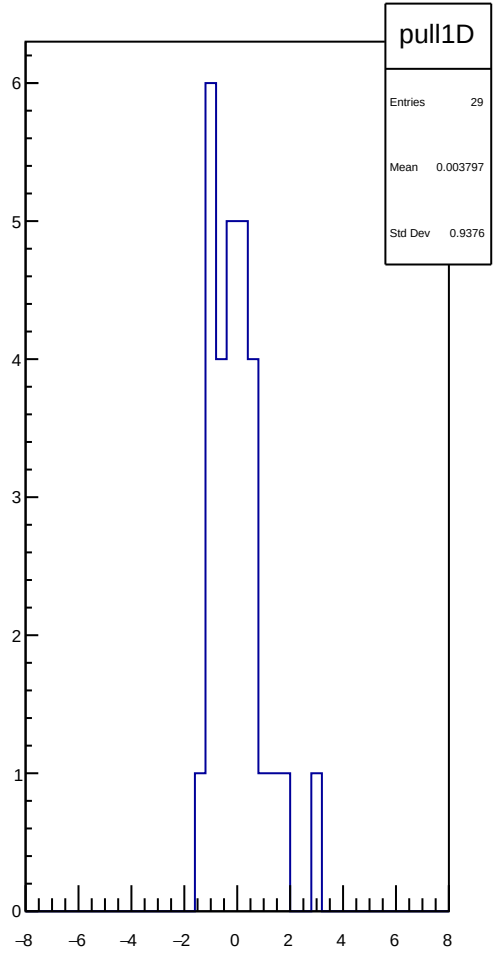

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.426 / 28
p0 −0.2531± 0.02651
pull
Entries 29
Mean −41.82
Std Dev 61.59
pull1D
Entries 29
Mean 0.02438
Std Dev 0.4319

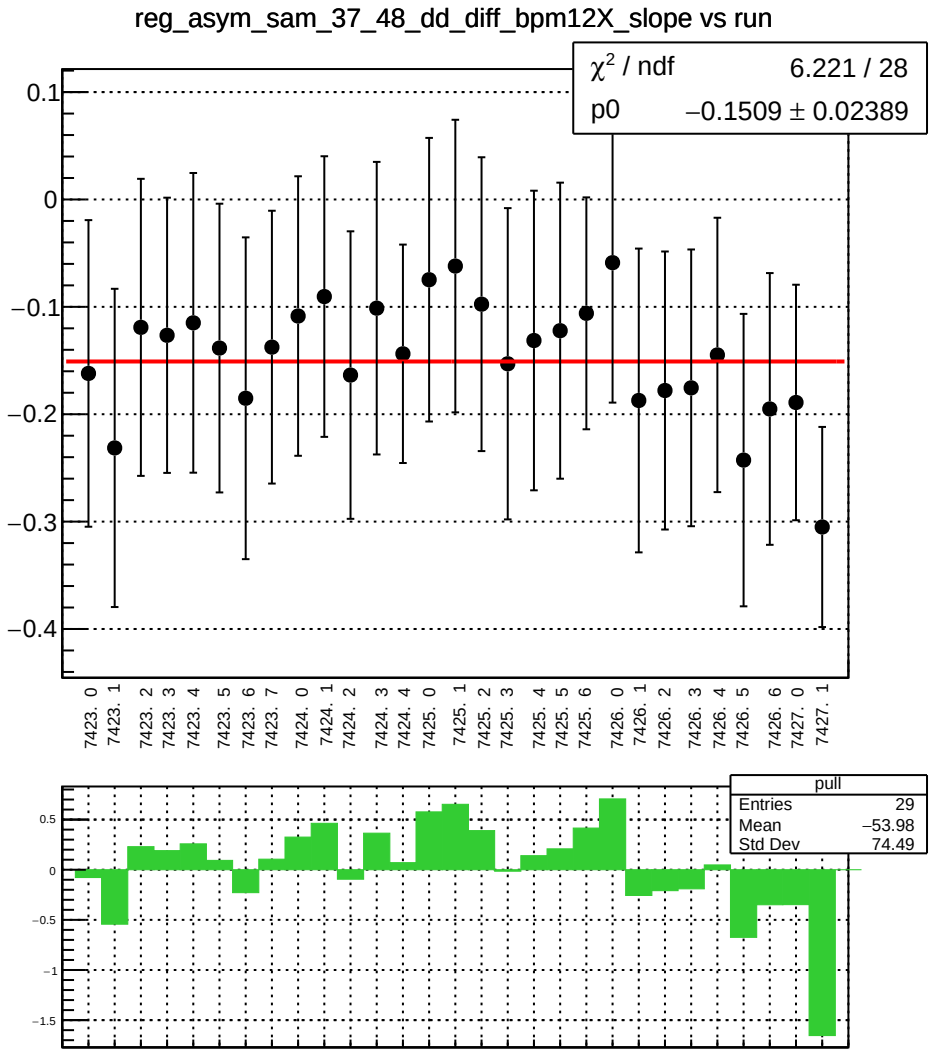

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 51.52 / 28
p0 19.73 ± 0.5191
30
25
20
15
10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −28.96
Std Dev 45.42
3
2
1
0
−1
pull1D
Entries 29
Mean −0.164
Std Dev 1.323
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

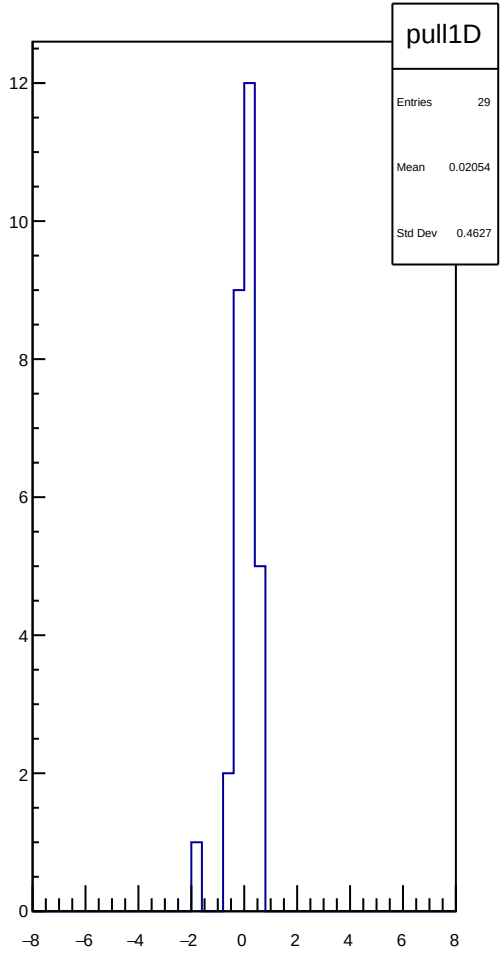

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.2 / 28
p0 −7.09 ± 0.5141
0
−5
−10
−15
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 44.77
Std Dev 27.62
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean −0.07859
Std Dev 0.983
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

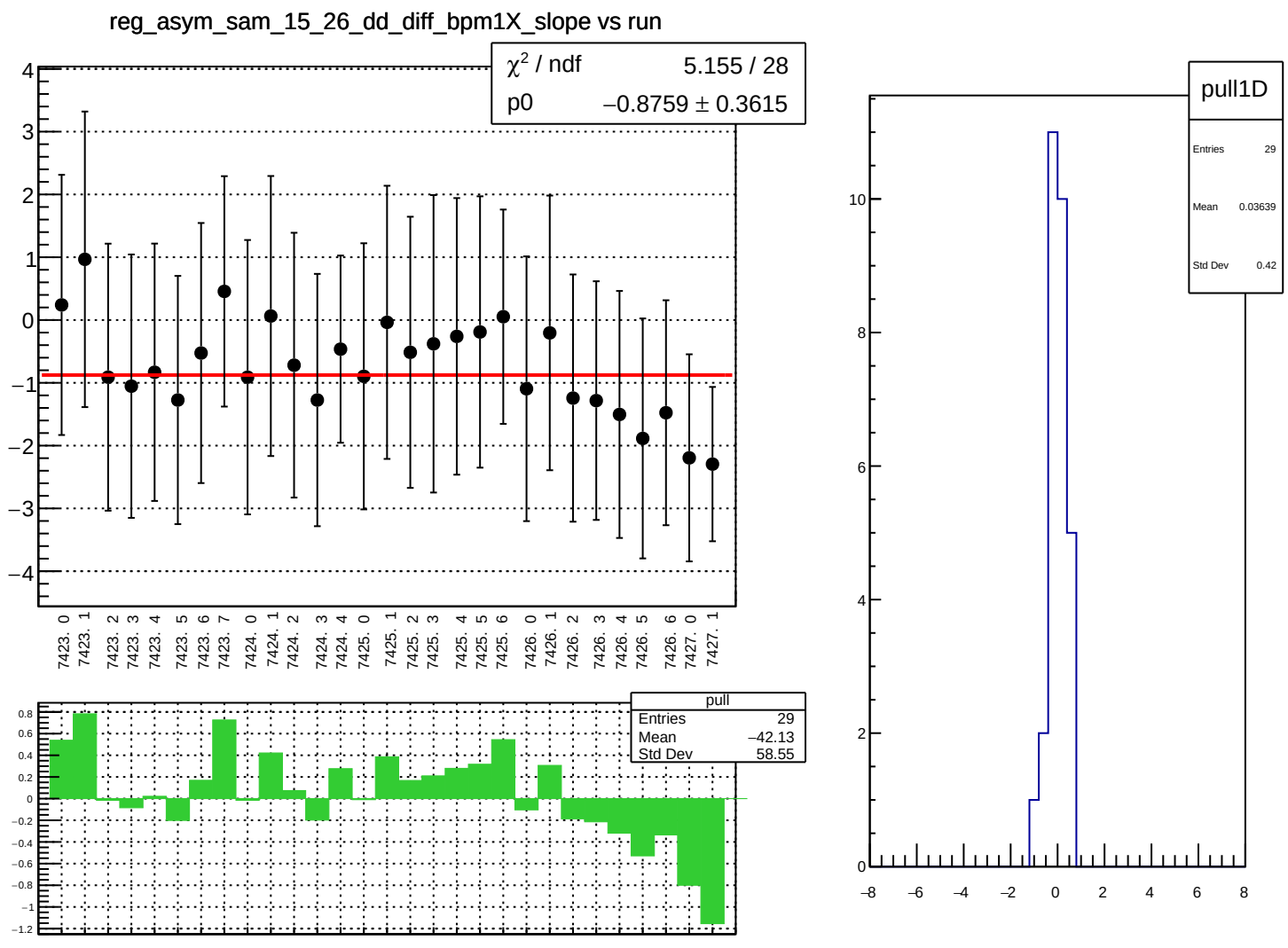

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.7 / 28
p0 1.356 ± 0.5419
10
5
0
−5
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −29.42
Std Dev 45.79
2
1
0
−1
−2
−3
−4
pull1D
Entries 29
Mean 0.1962
Std Dev 1.571
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

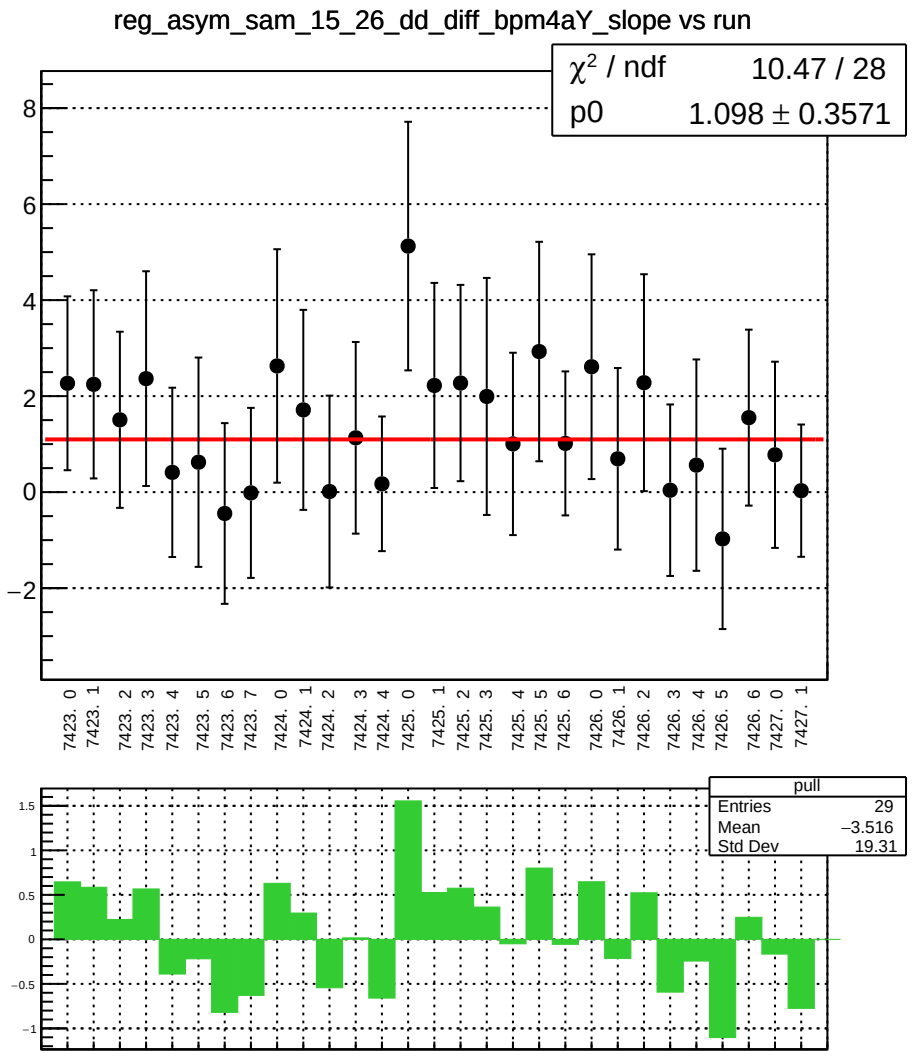

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.49 / 28
p0 −51.74 ± 0.5511
−40
−45
−50
−55
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 1042
Std Dev 1025
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

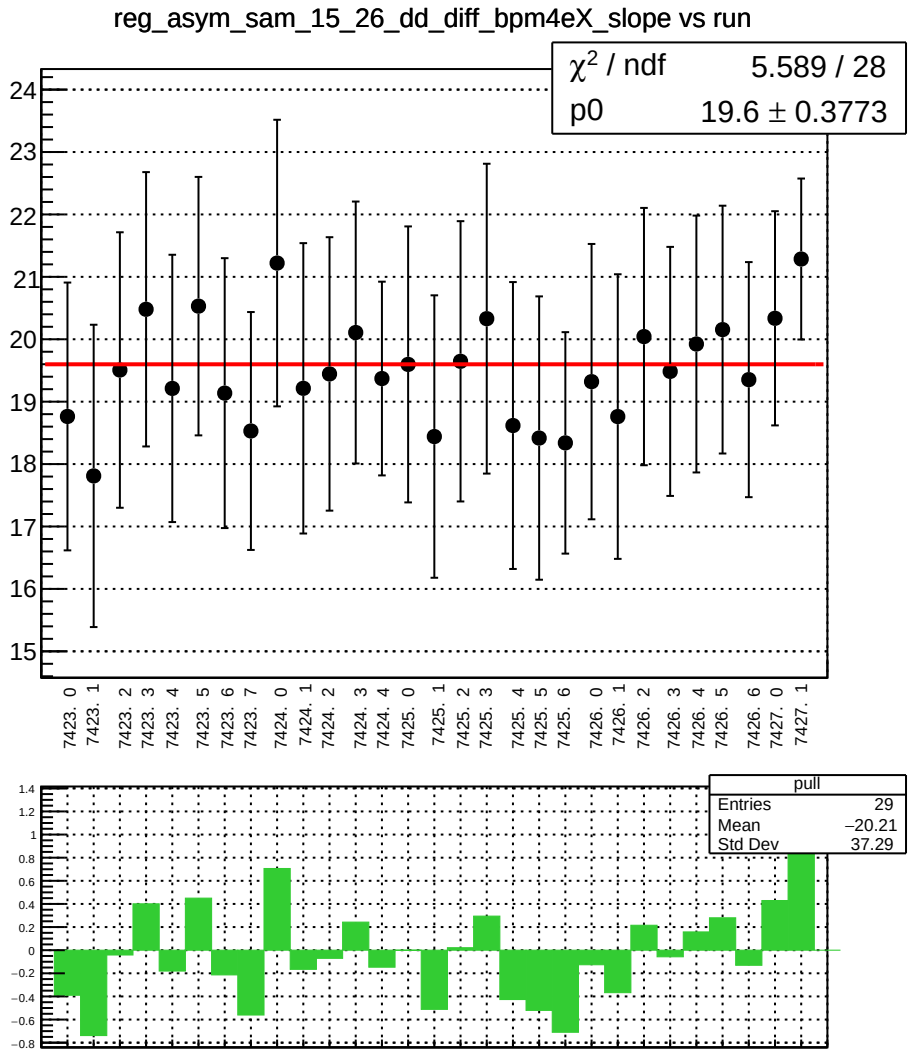

pull1D
Entries 29
Mean 0.003797
Std Dev 0.9376
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

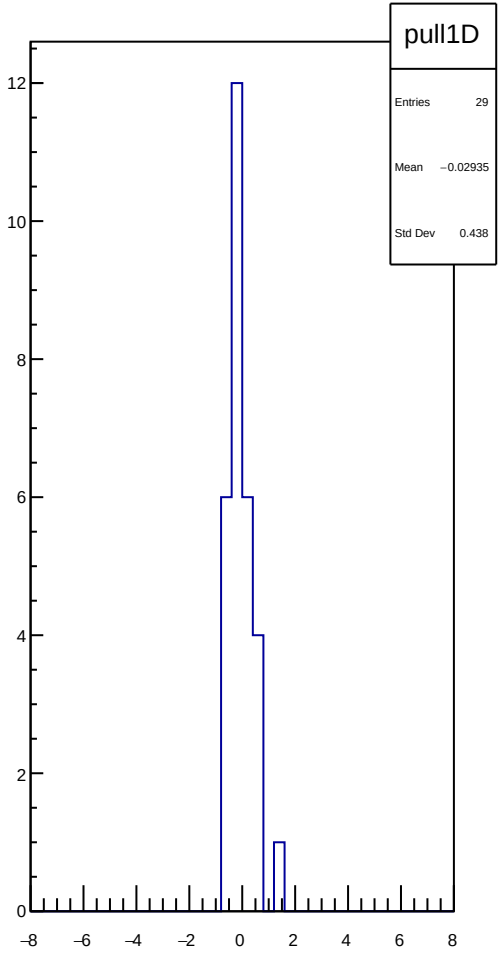

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 6.221 / 28
p0 −0.1509 ± 0.02389
0.1
0
−0.1
−0.2
−0.3
−0.4
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −53.98
Std Dev 74.49
0.5
0
−0.5
−1
−1.5

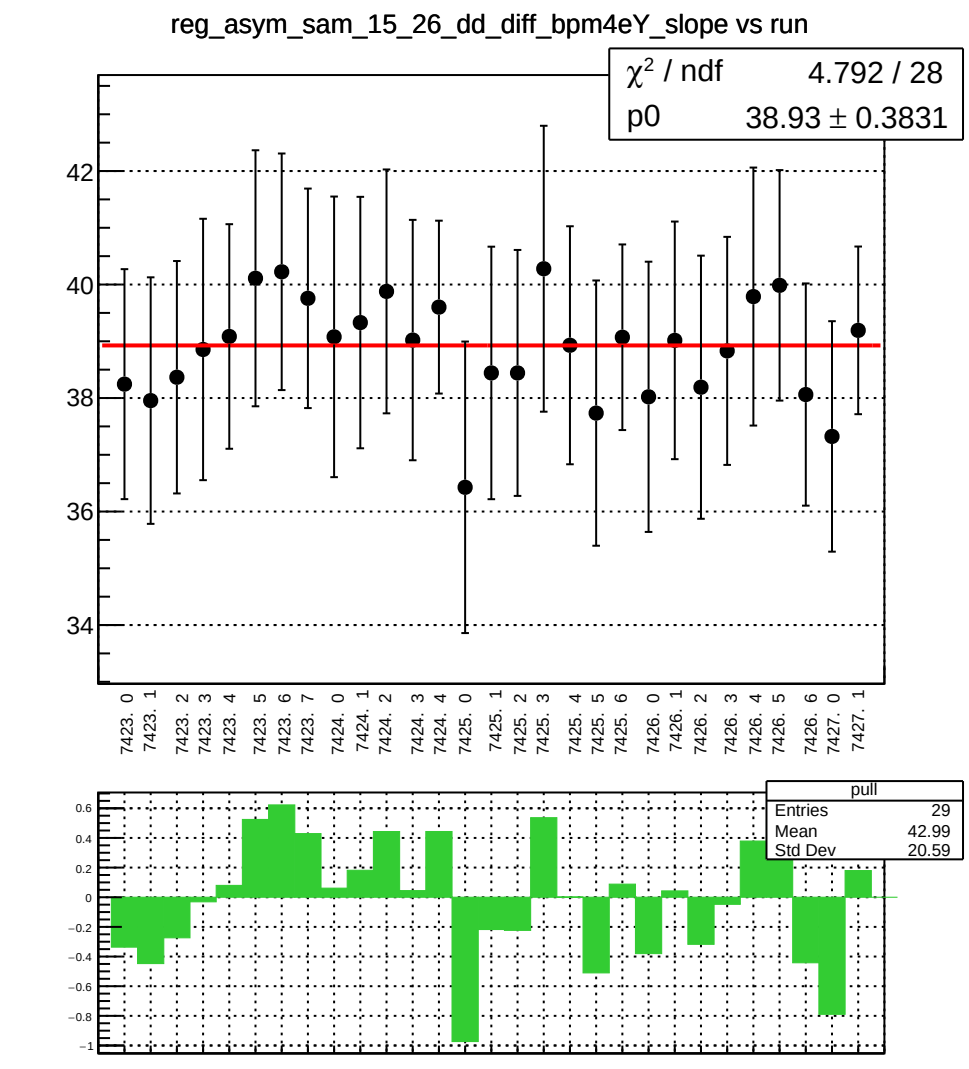

pull1D
Entries 29
Mean 0.02054
Std Dev 0.4627
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

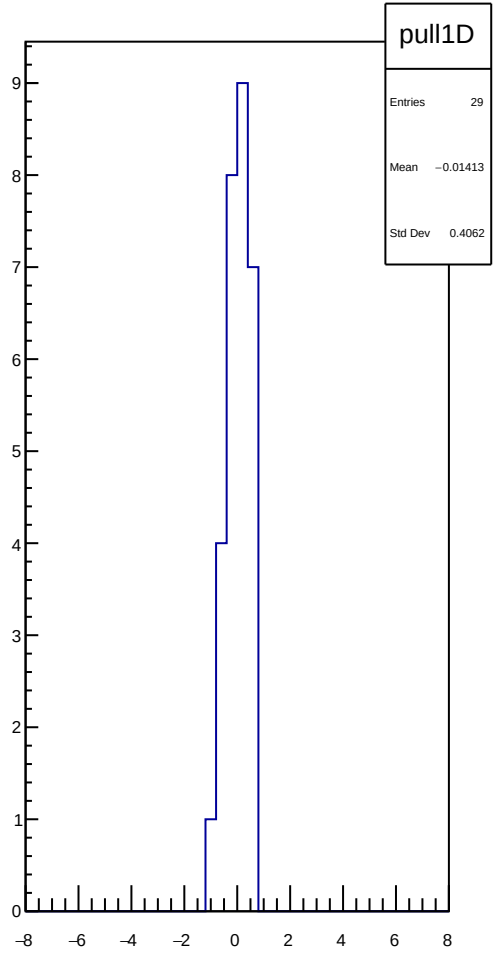

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.155 / 28
p0 −0.8759 ± 0.3615
pull
Entries 29
Mean −42.13
Std Dev 58.55
pull1D
Entries 29
Mean 0.03639
Std Dev 0.42

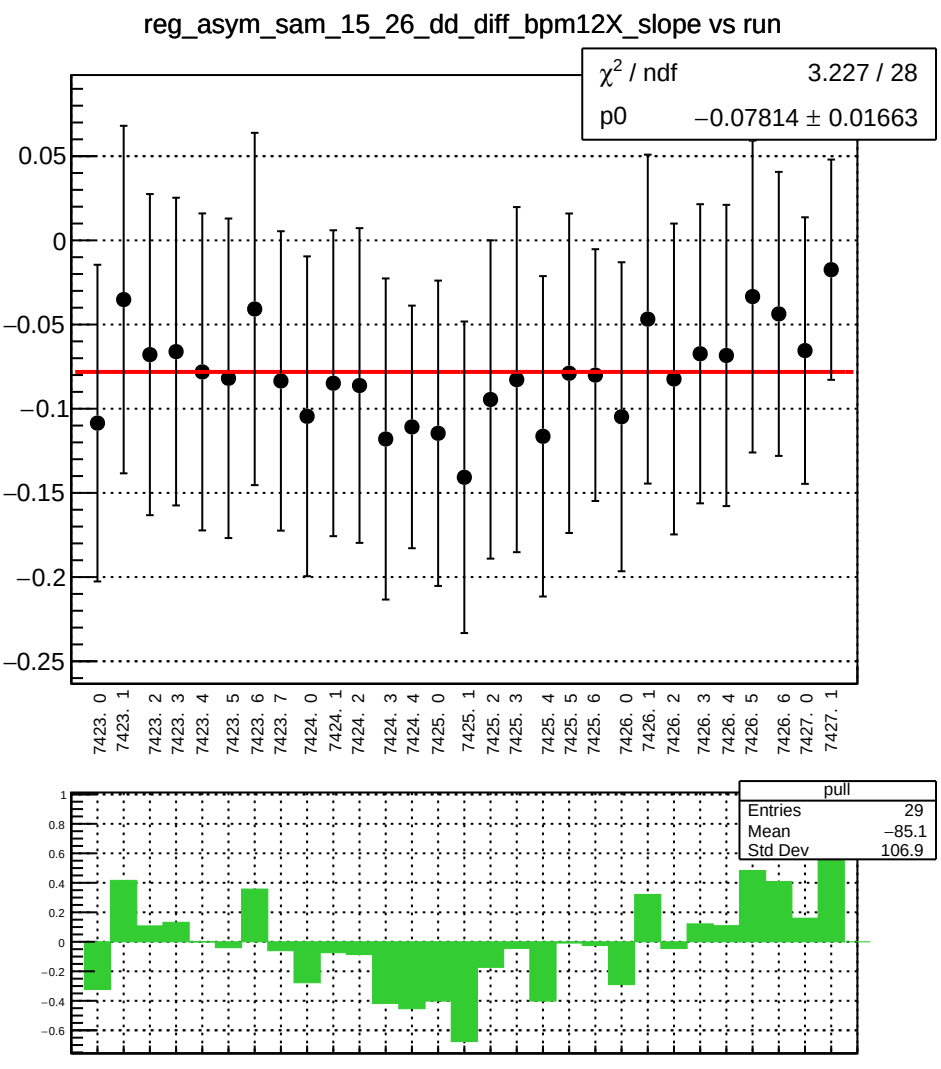

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.47 / 28
p0 1.098 ± 0.3571
pull
Entries 29
Mean −3.516
Std Dev 19.31
pull1D
Entries 29
Mean 0.06005
Std Dev 0.5978

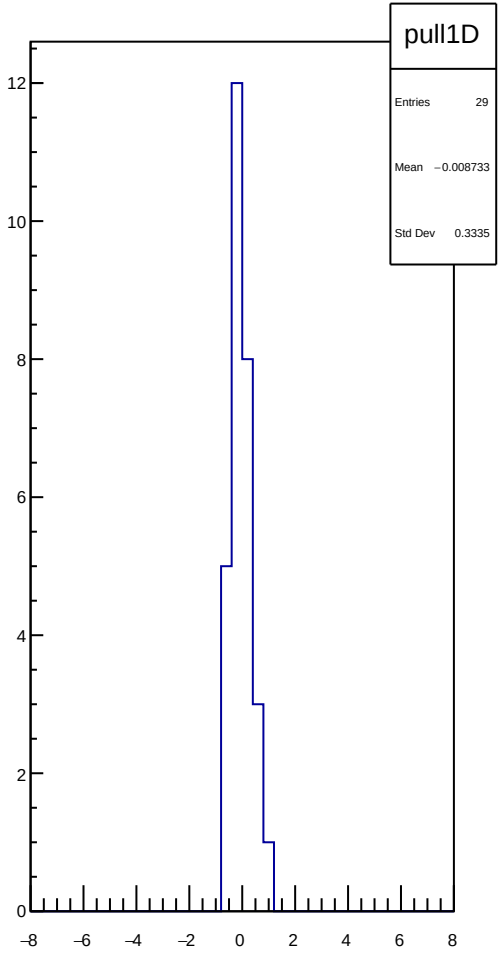

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.589 / 28
p0 19.6 ± 0.3773
pull
Entries 29
Mean −20.21
Std Dev 37.29

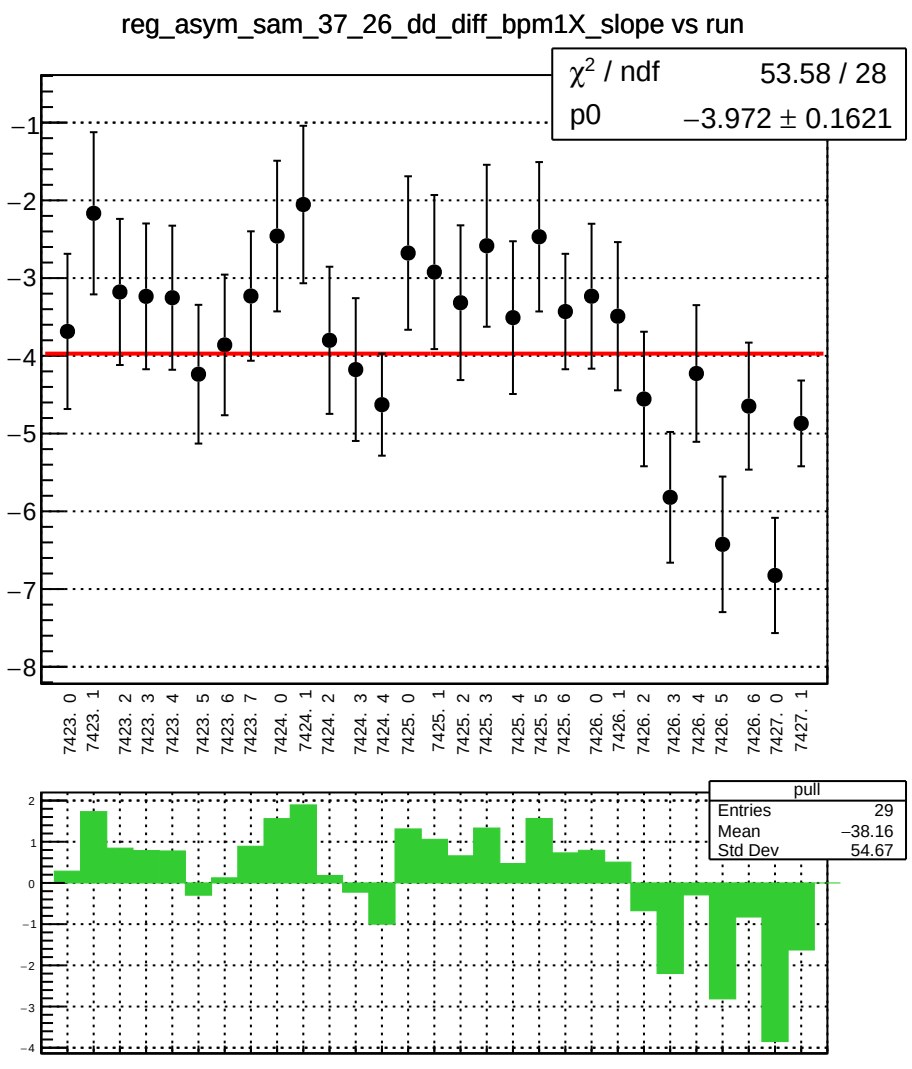

pull1D
Entries 29
Mean −0.02935
Std Dev 0.438

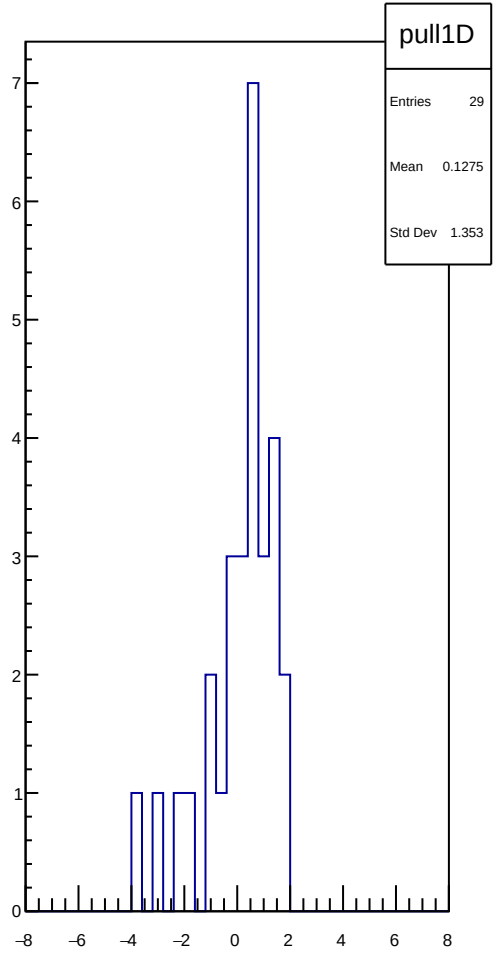

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.792 / 28
p0 38.93 ± 0.3831
42
40
38
36
34
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 42.99
Std Dev 20.59
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

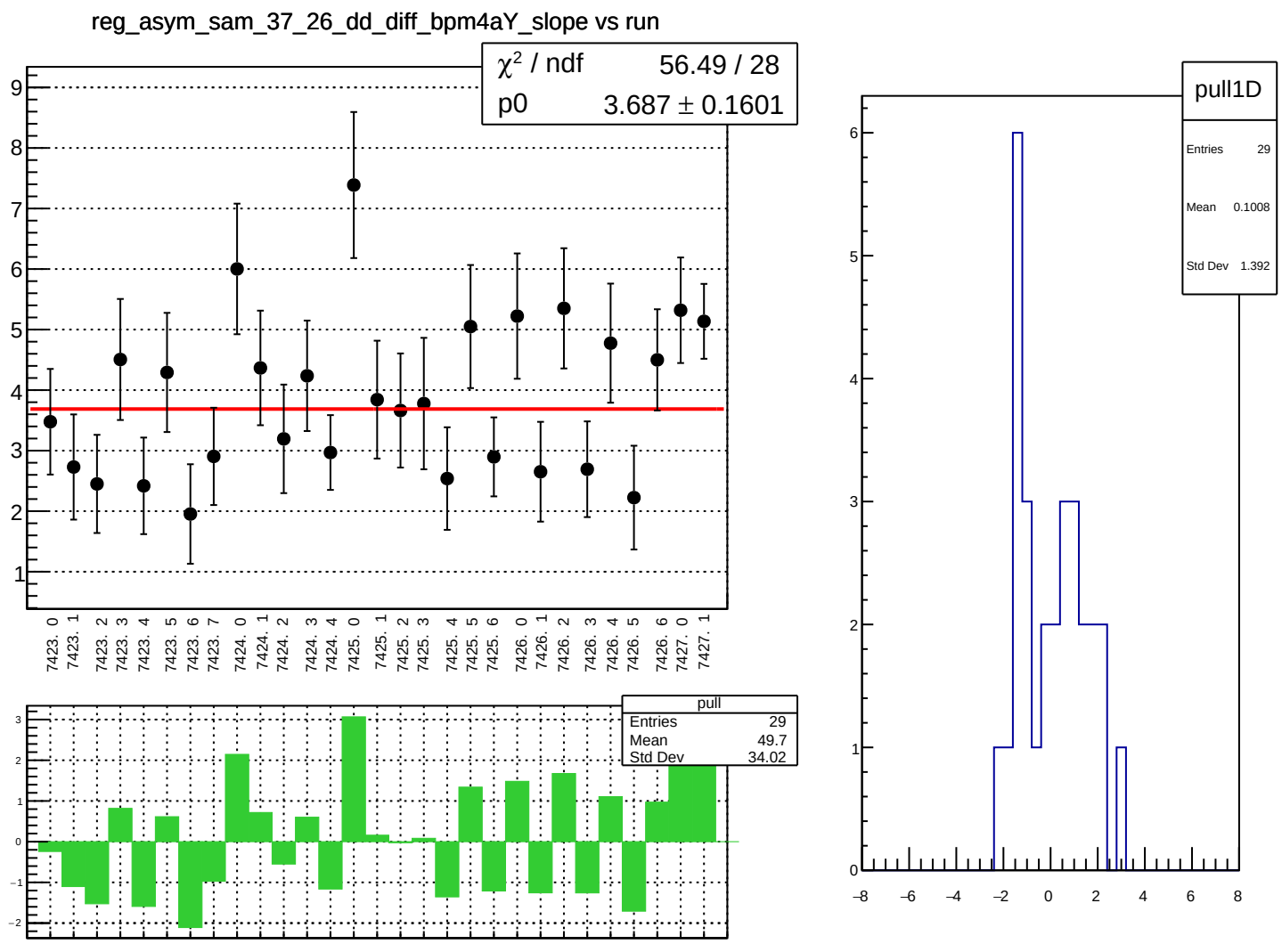

pull1D
Entries 29
Mean −0.01413
Std Dev 0.4062
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

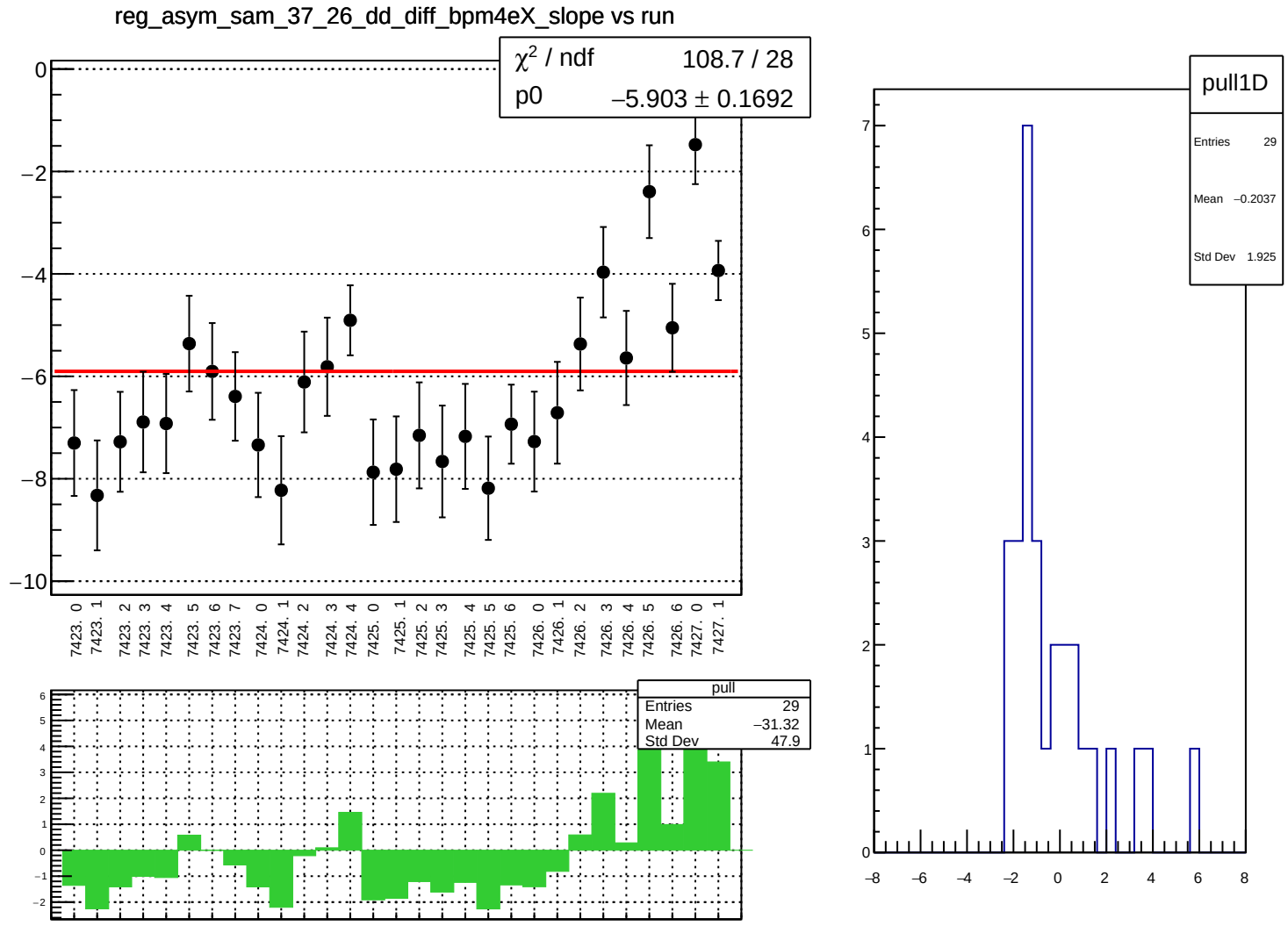

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.227 / 28
p0 −0.07814 ± 0.01663
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −85.1
Std Dev 106.9
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

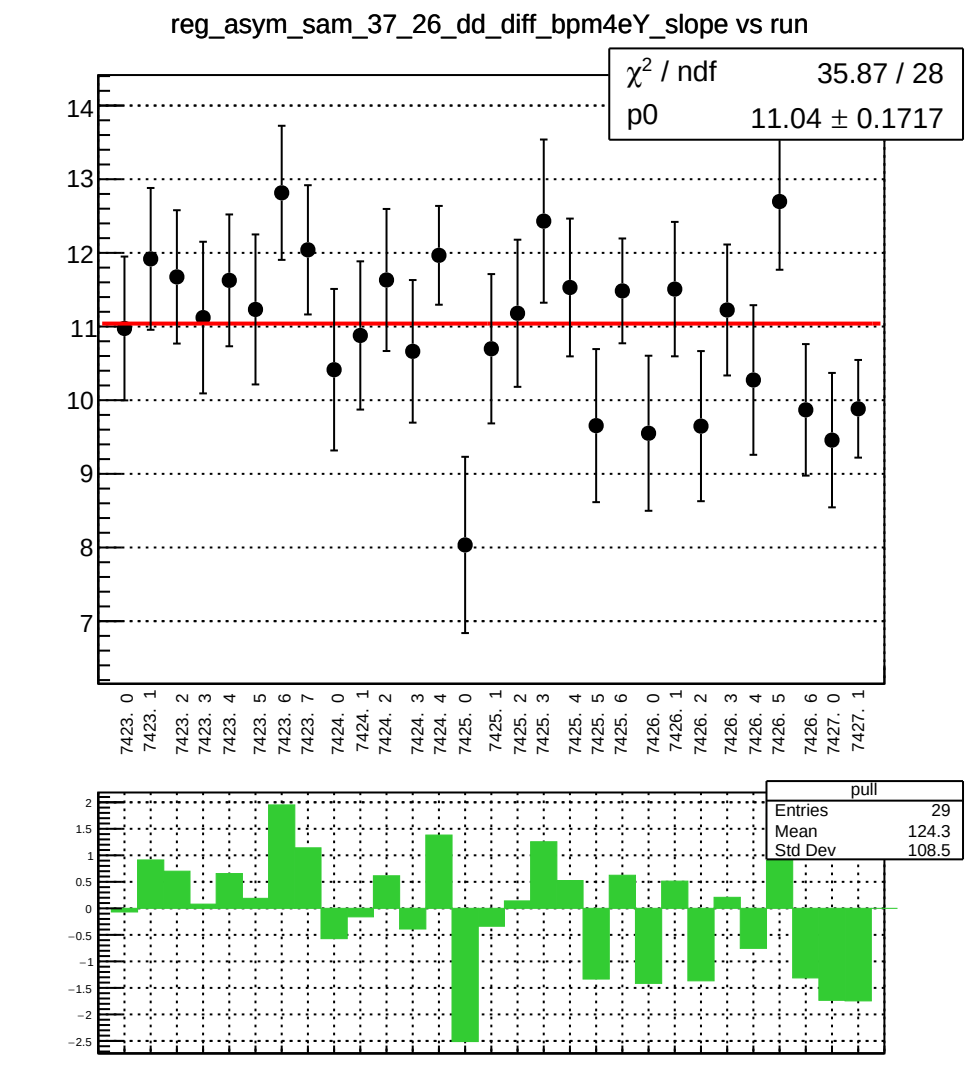

pull1D
Entries 29
Mean −0.008733
Std Dev 0.3335
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

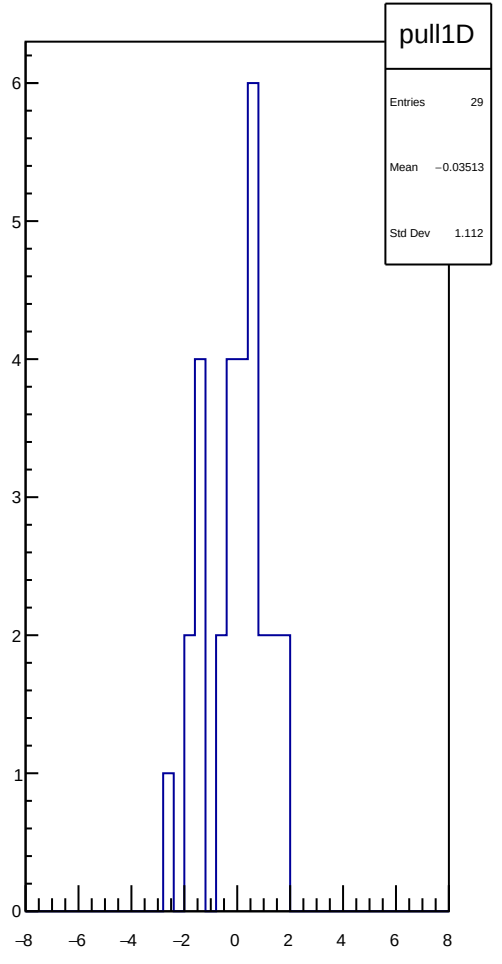

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 53.58 / 28
p0 −3.972 ± 0.1621
pull
Entries 29
Mean −38.16
Std Dev 54.67

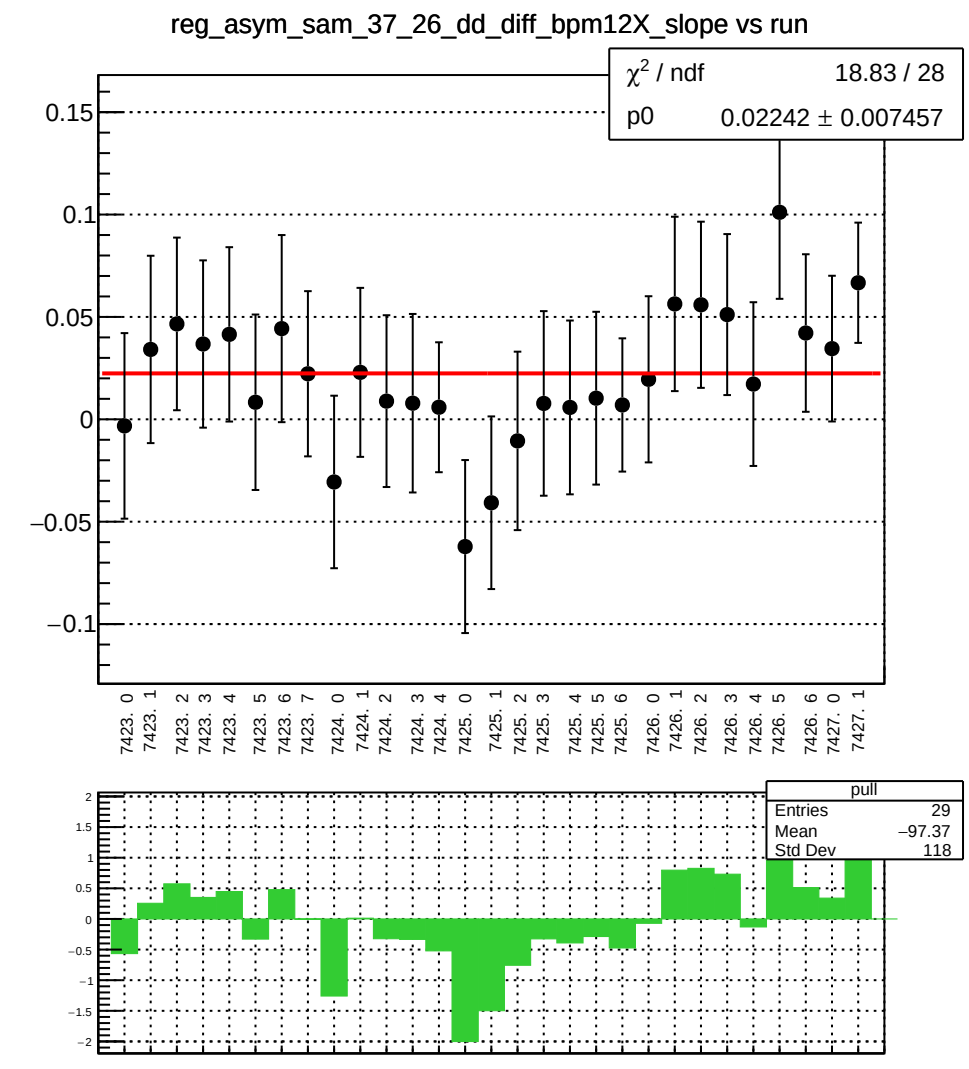

pull1D
Entries 29
Mean 0.1275
Std Dev 1.353

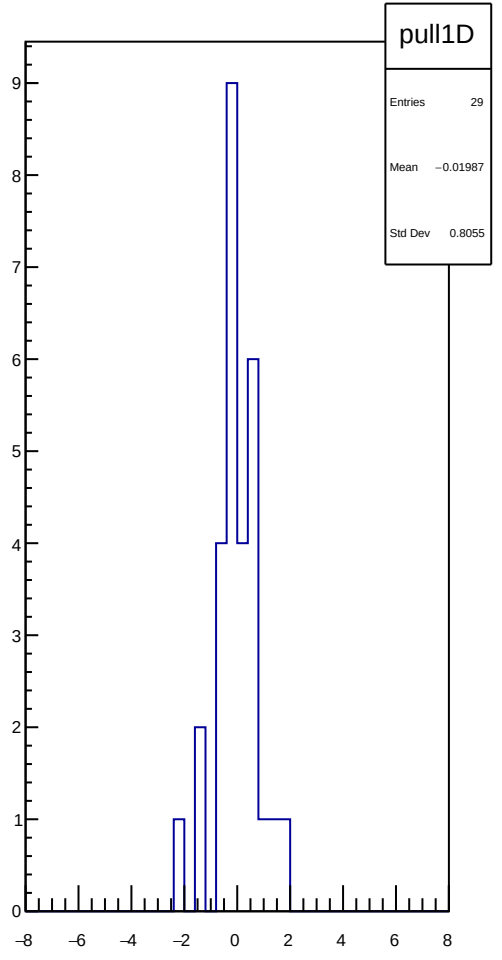

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.49 / 28
p0 3.687 ± 0.1601
pull
Entries 29
Mean 49.7
Std Dev 34.02
pull1D
Entries 29
Mean 0.1008
Std Dev 1.392

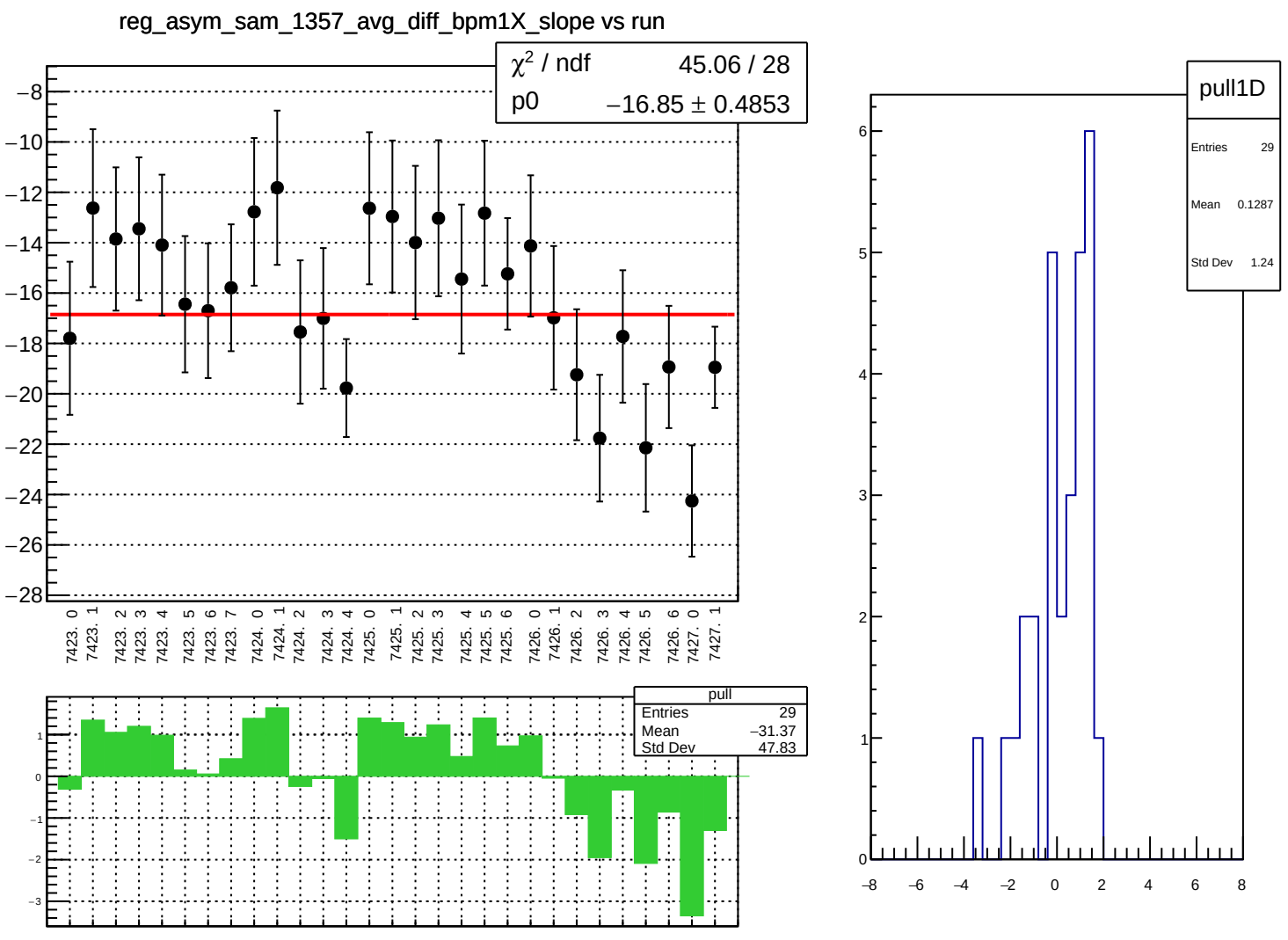

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 108.7 / 28
p0 −5.903 ± 0.1692
0
−2
−4
−6
−8
−10
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −31.32
Std Dev 47.9
pull1D
Entries 29
Mean −0.2037
Std Dev 1.925

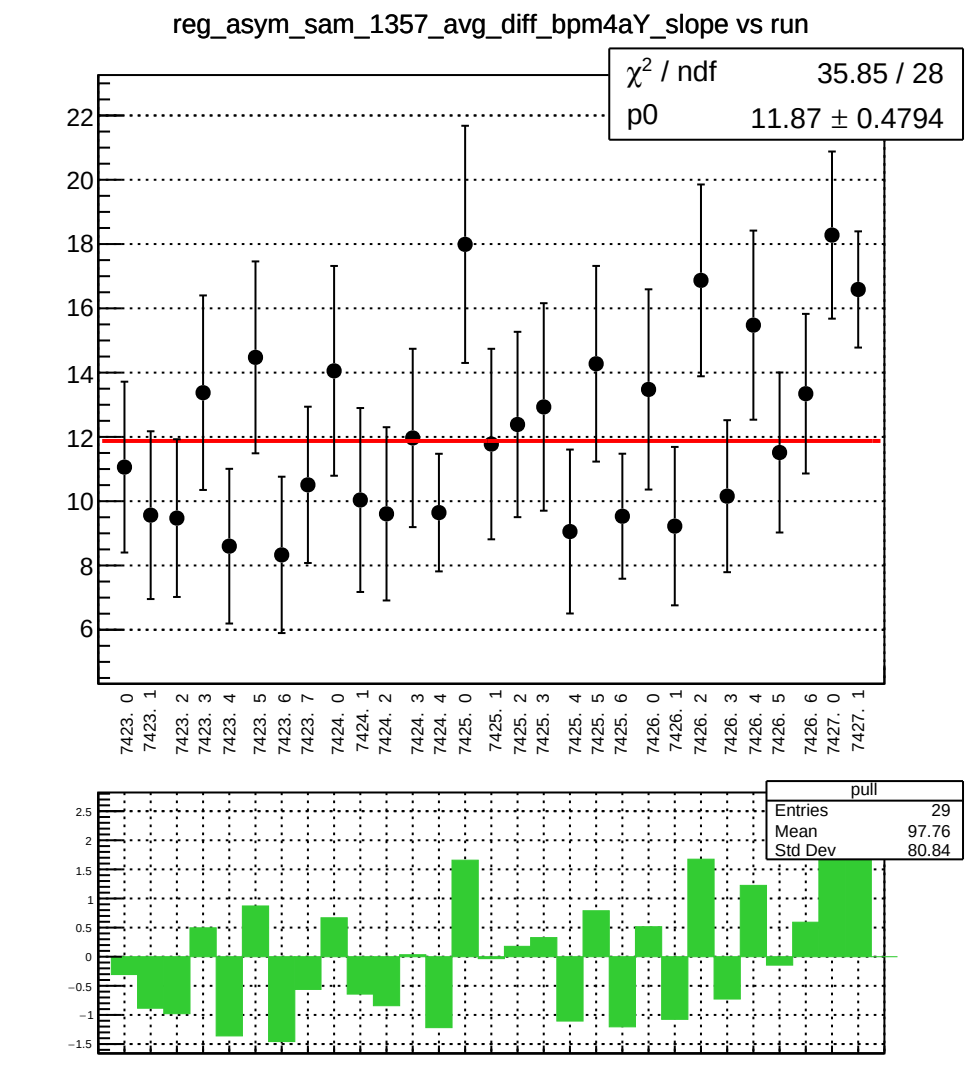

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.87 / 28
p0 11.04 ± 0.1717
14
13
12
11
10
9
8
7
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 124.3
Std Dev 108.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

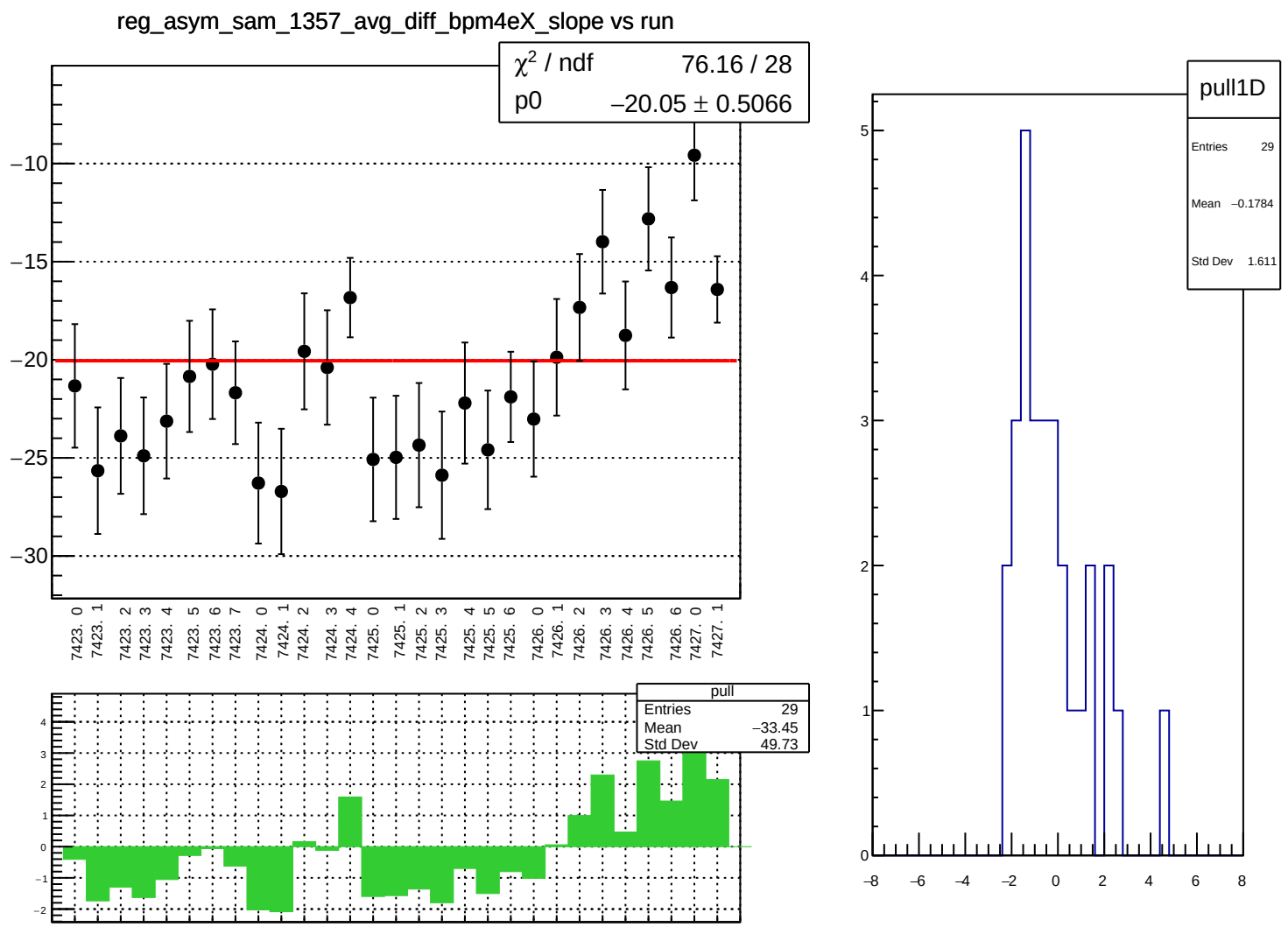

pull1D
Entries 29
Mean −0.03513
Std Dev 1.112
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

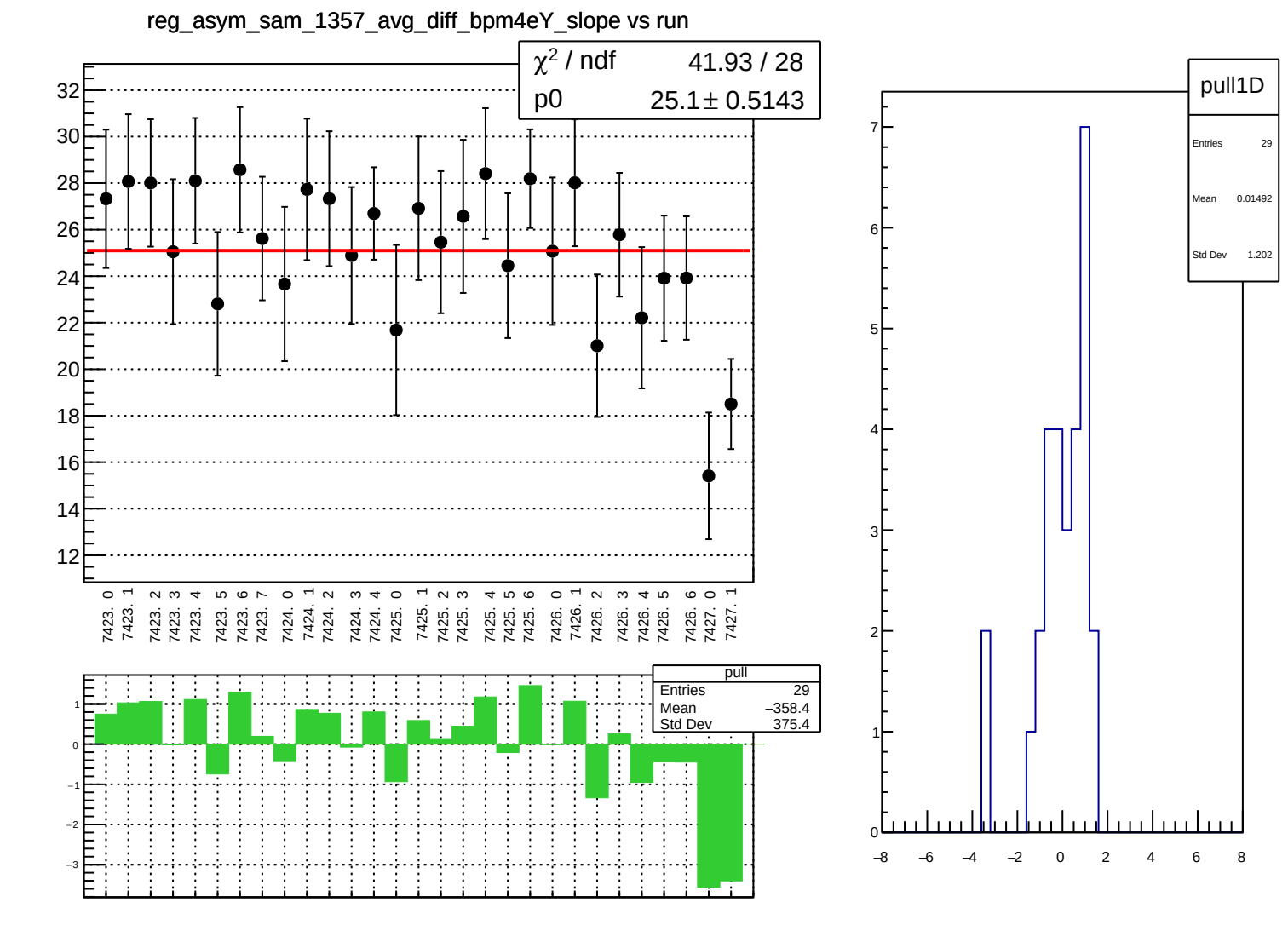

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 18.83 / 28
p0 0.02242 ± 0.007457
0.15
0.1
0.05
0
−0.05
−0.1
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −97.37
Std Dev 118
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

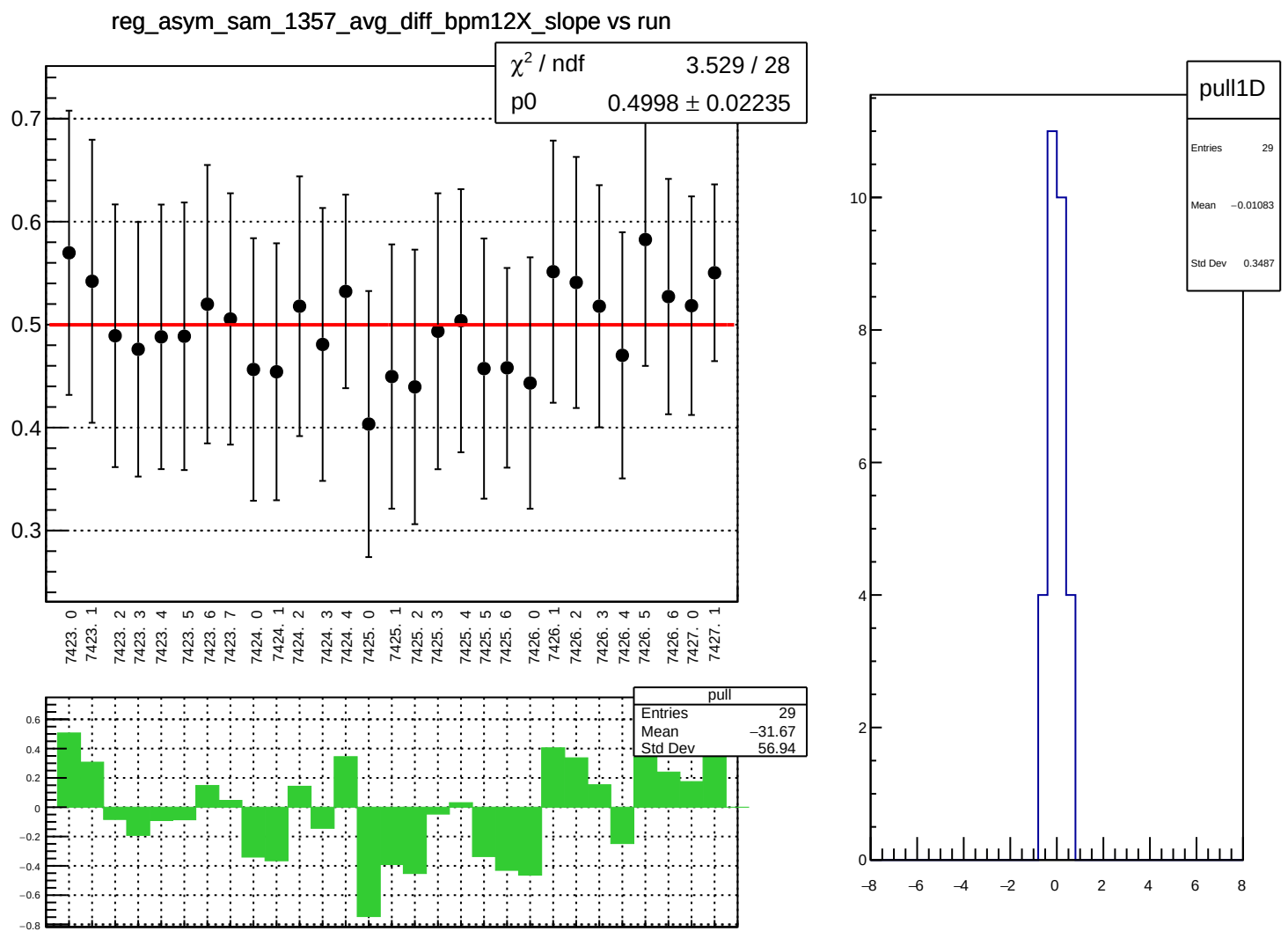

pull1D
Entries 29
Mean −0.01987
Std Dev 0.8055
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

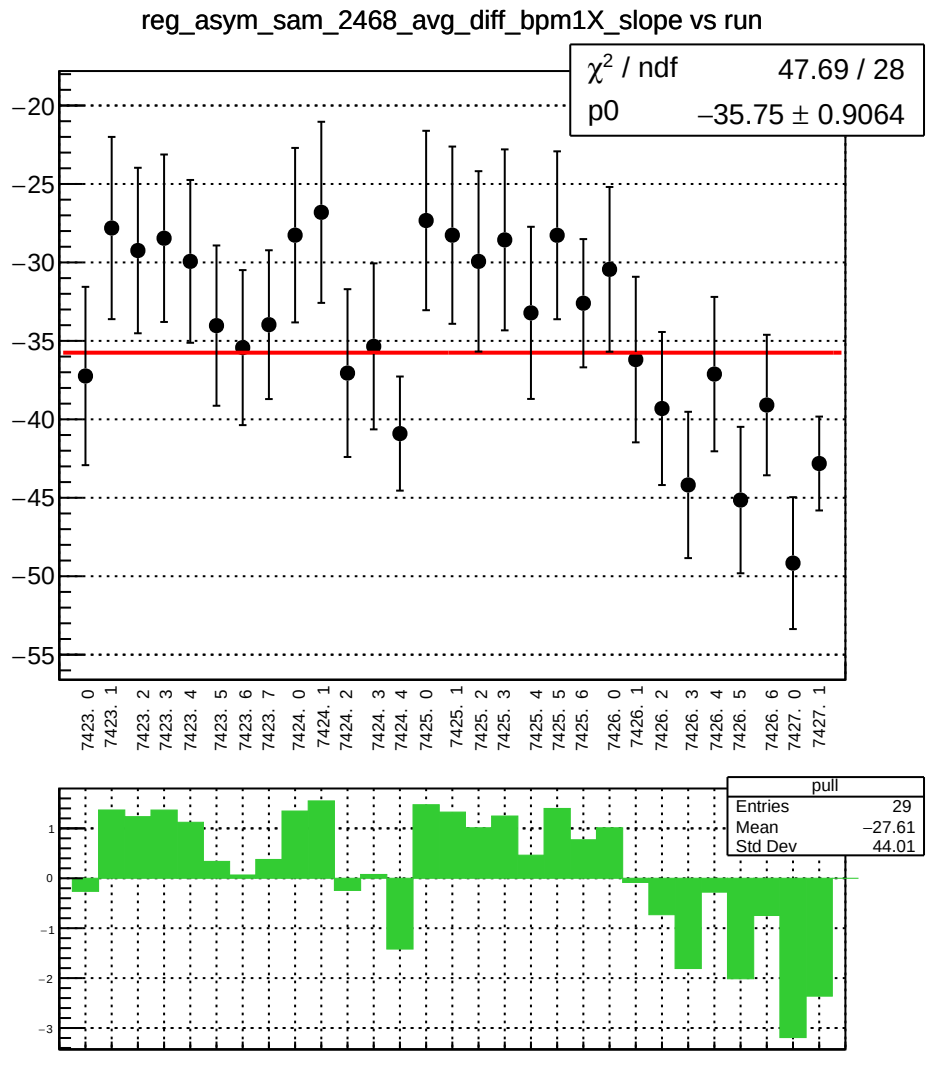

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 45.06 / 28
p0 −16.85 ± 0.4853
pull
Entries 29
Mean −31.37
Std Dev 47.83
pull1D
Entries 29
Mean 0.1287
Std Dev 1.24

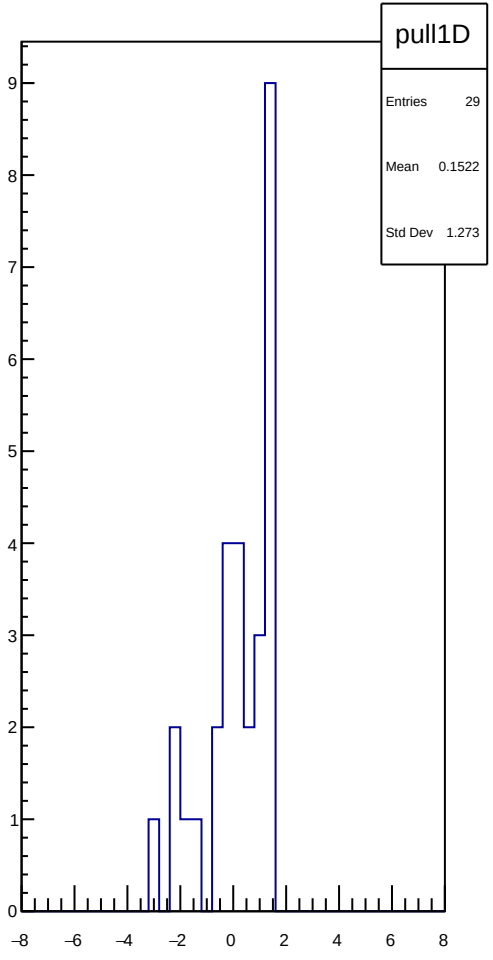

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.85 / 28
p0 11.87 ± 0.4794
22
20
18
16
14
12
10
8
6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 97.76
Std Dev 80.84
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.05385
Std Dev 1.111
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

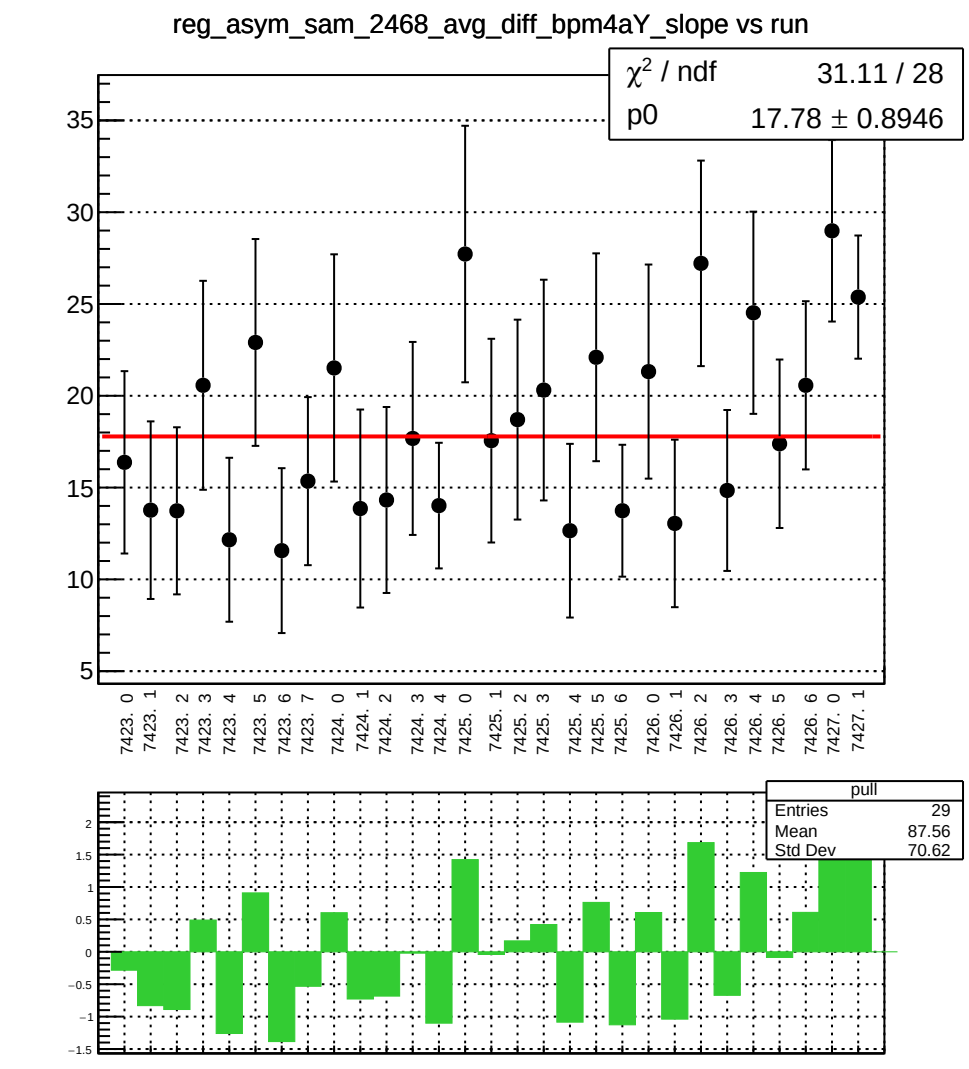

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.16 / 28
p0 −20.05 ± 0.5066
−10
−15
−20
−25
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −33.45
Std Dev 49.73
pull1D
Entries 29
Mean −0.1784
Std Dev 1.611

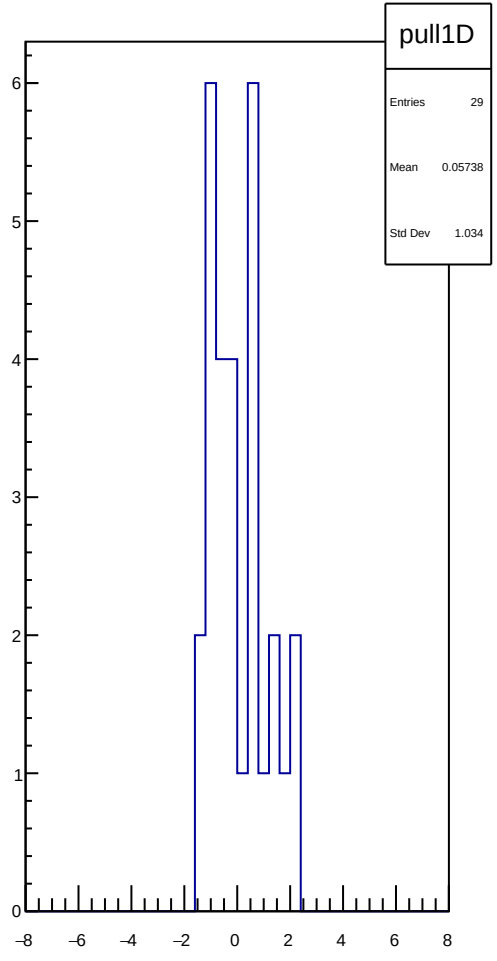

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.93 / 28
p0 25.1 ± 0.5143
pull
Entries 29
Mean −358.4
Std Dev 375.4
pull1D
Entries 29
Mean 0.01492
Std Dev 1.202

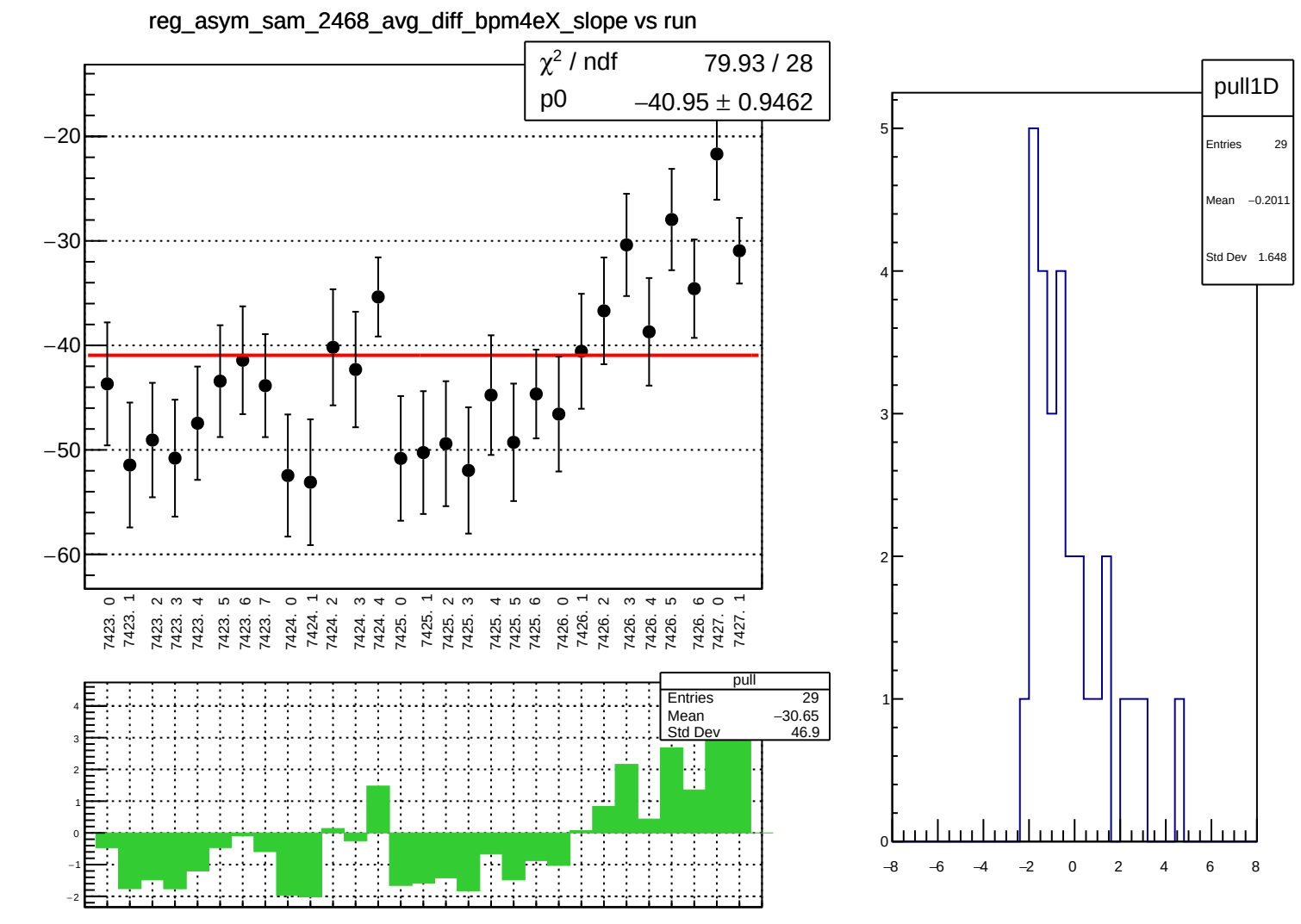

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.529 / 28
p0 0.4998 ± 0.02235
0.7
0.6
0.5
0.4
0.3
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −31.67
Std Dev 56.94
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 29
Mean −0.01083
Std Dev 0.3487
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

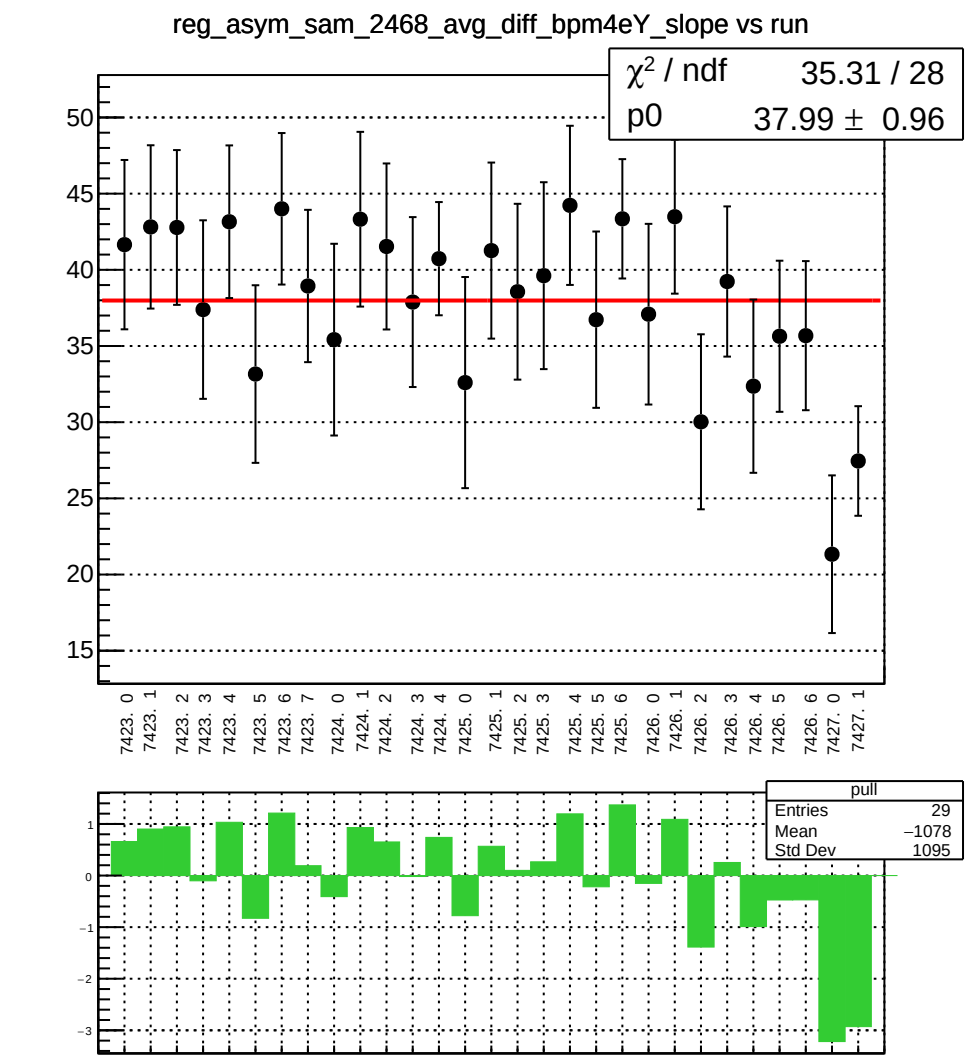

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 47.69 / 28
p0 −35.75 ± 0.9064
pull
Entries 29
Mean −27.61
Std Dev 44.01

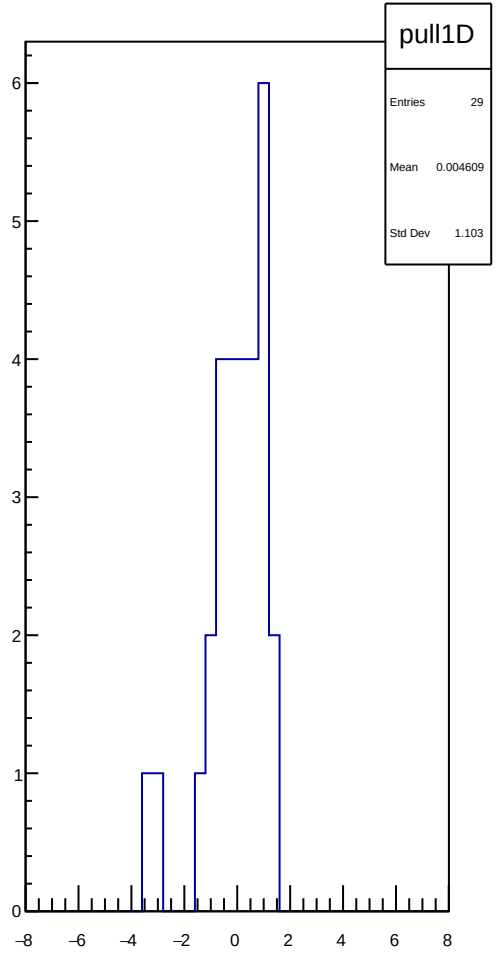

pull1D
Entries 29
Mean 0.1522
Std Dev 1.273

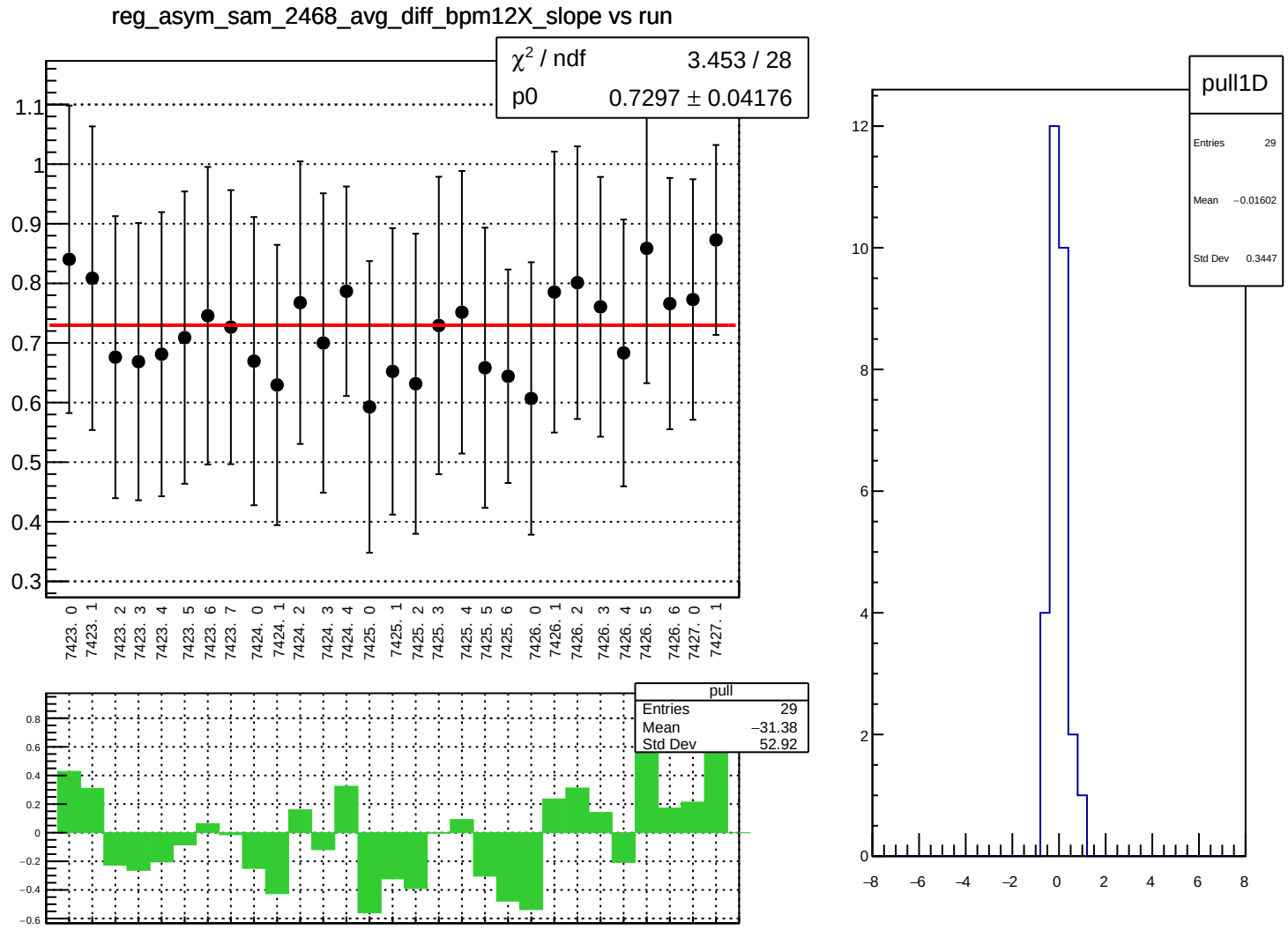

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.11 / 28
p0 17.78 ± 0.8946
pull
Entries 29
Mean 87.56
Std Dev 70.62

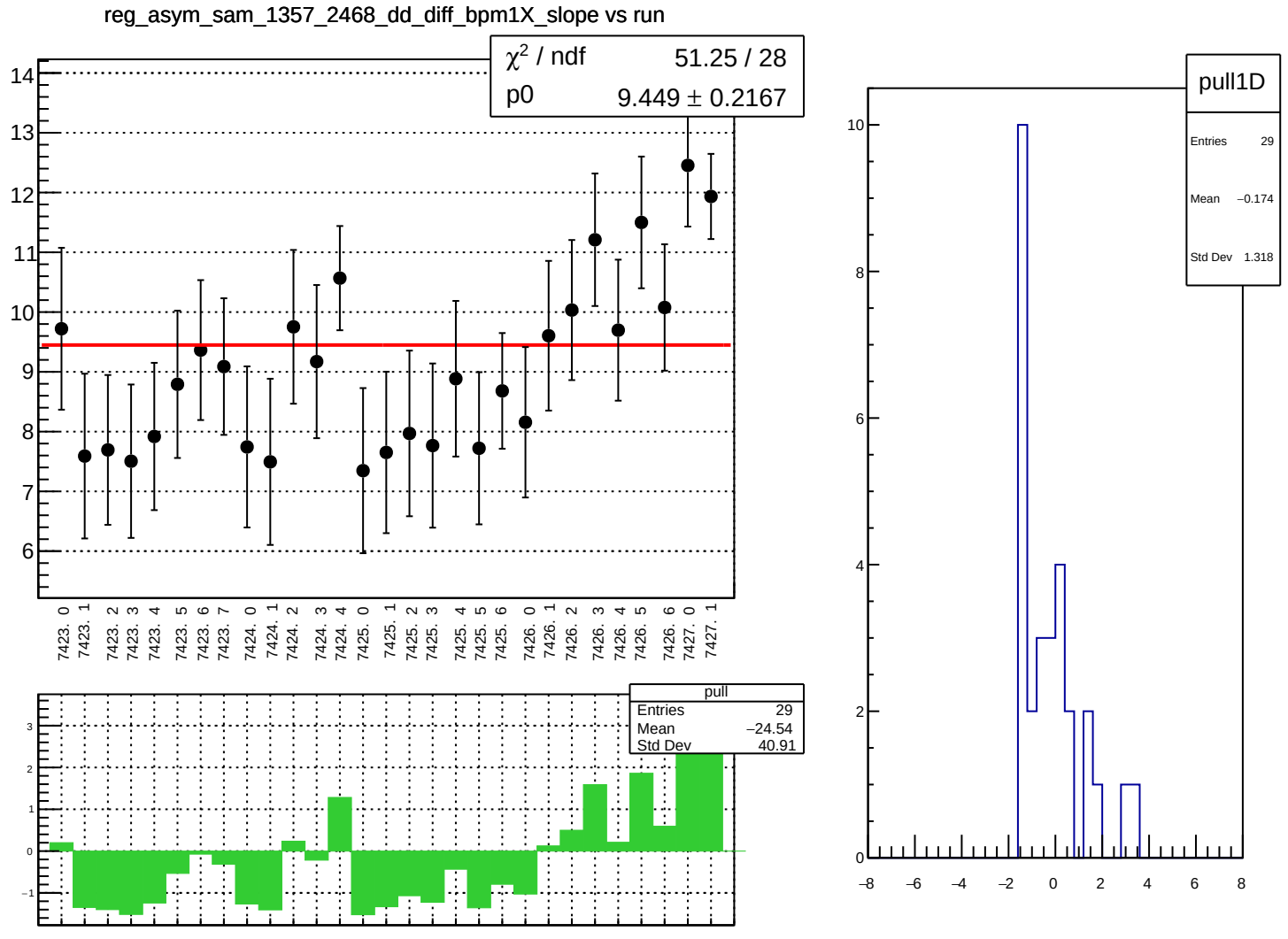

pull1D
Entries 29
Mean 0.05738
Std Dev 1.034

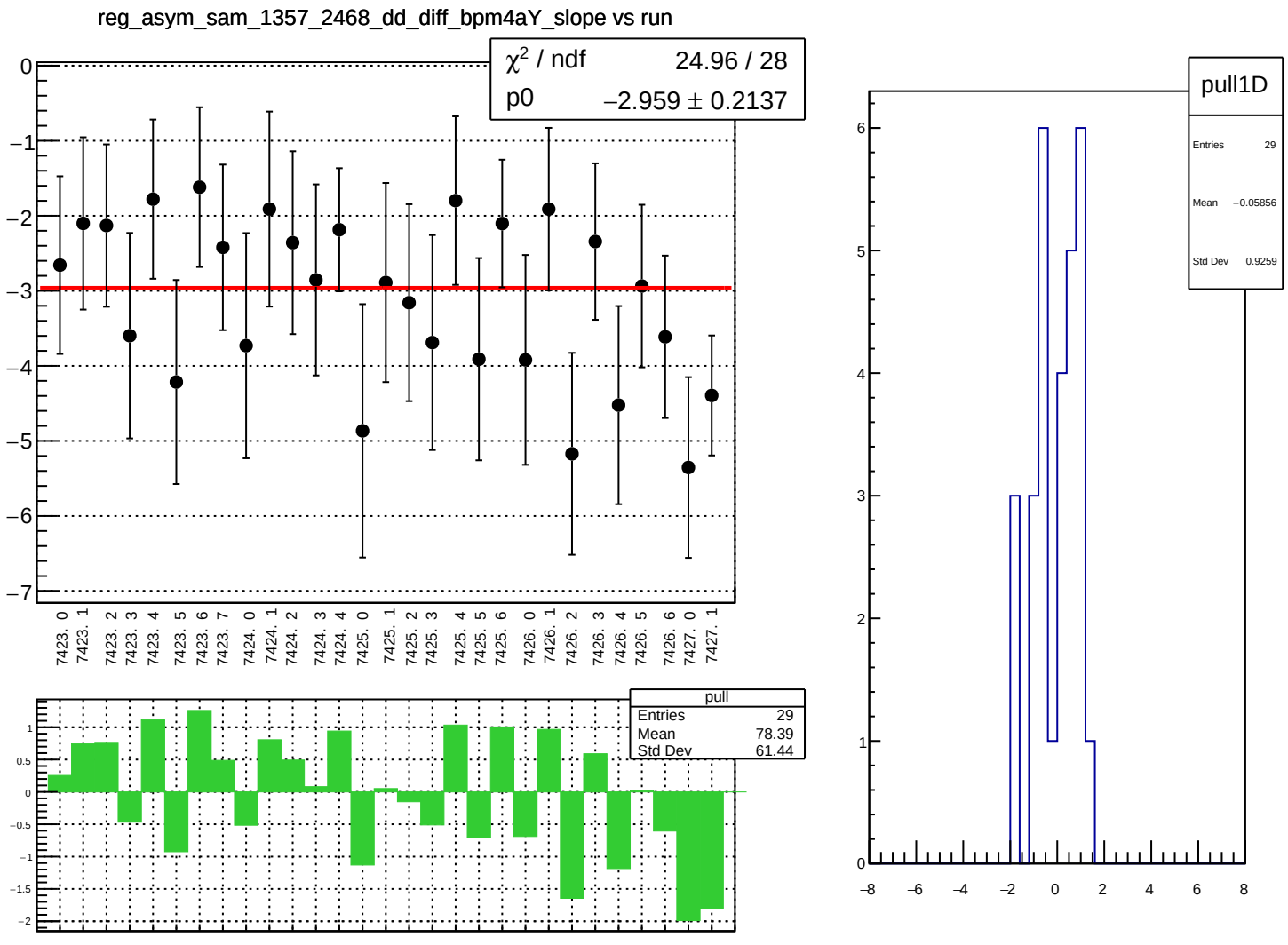

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.93 / 28
p0 −40.95 ± 0.9462
−20
−30
−40
−50
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.65
Std Dev 46.9
pull1D
Entries 29
Mean −0.2011
Std Dev 1.648

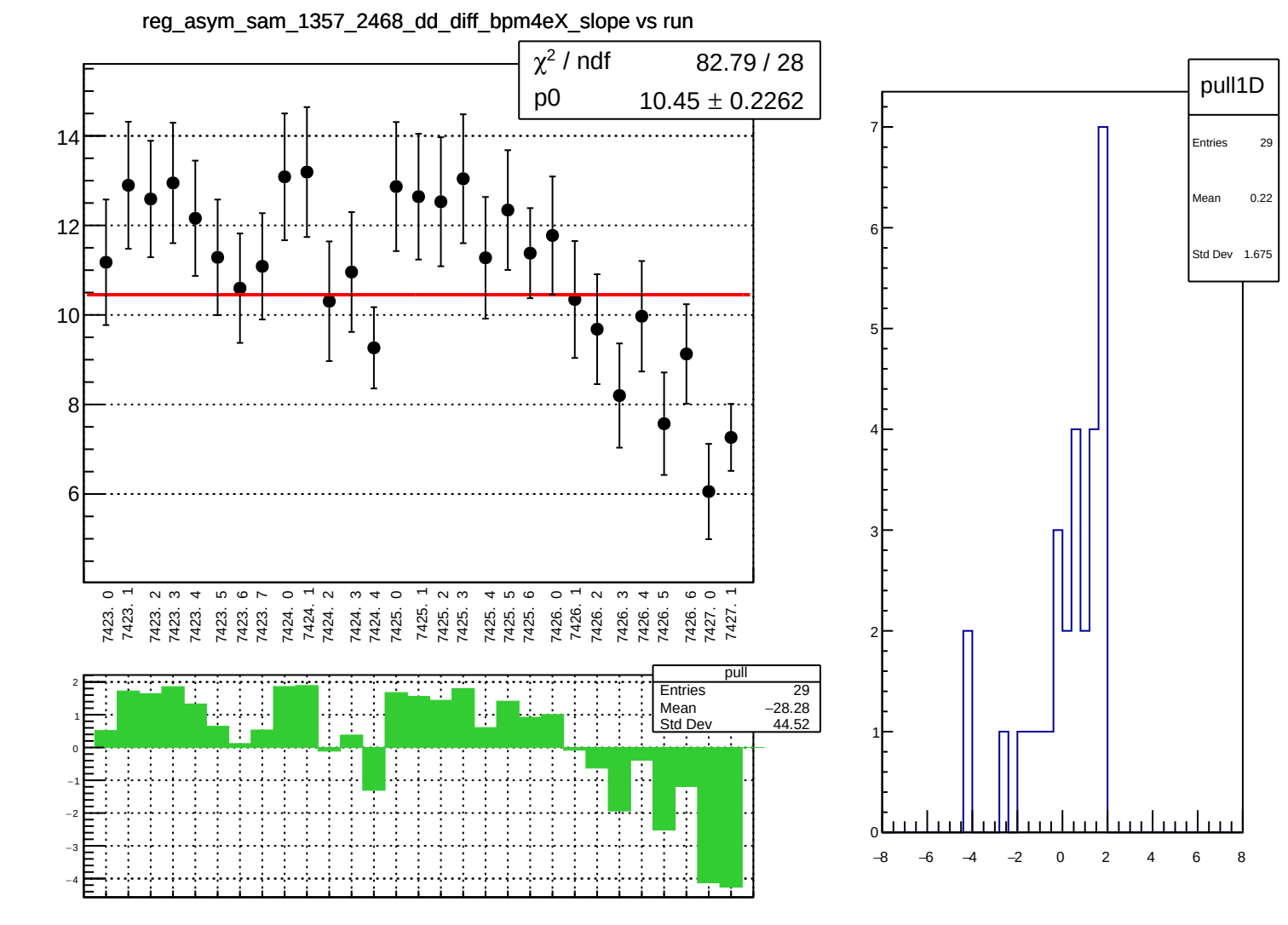

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.31 / 28
p0 37.99 ± 0.96
pull
Entries 29
Mean −1078
Std Dev 1095

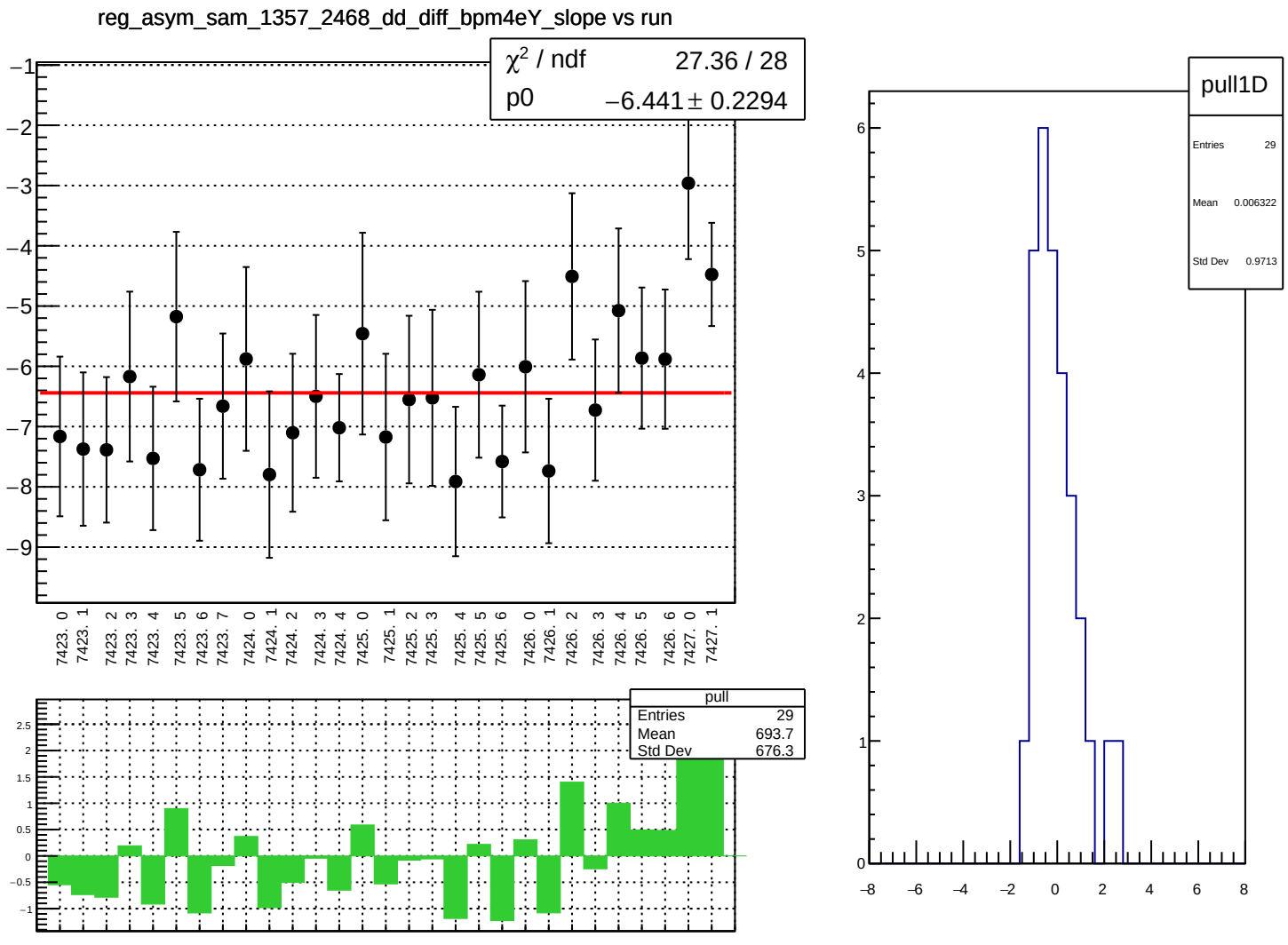

pull1D
Entries 29
Mean 0.004609
Std Dev 1.103

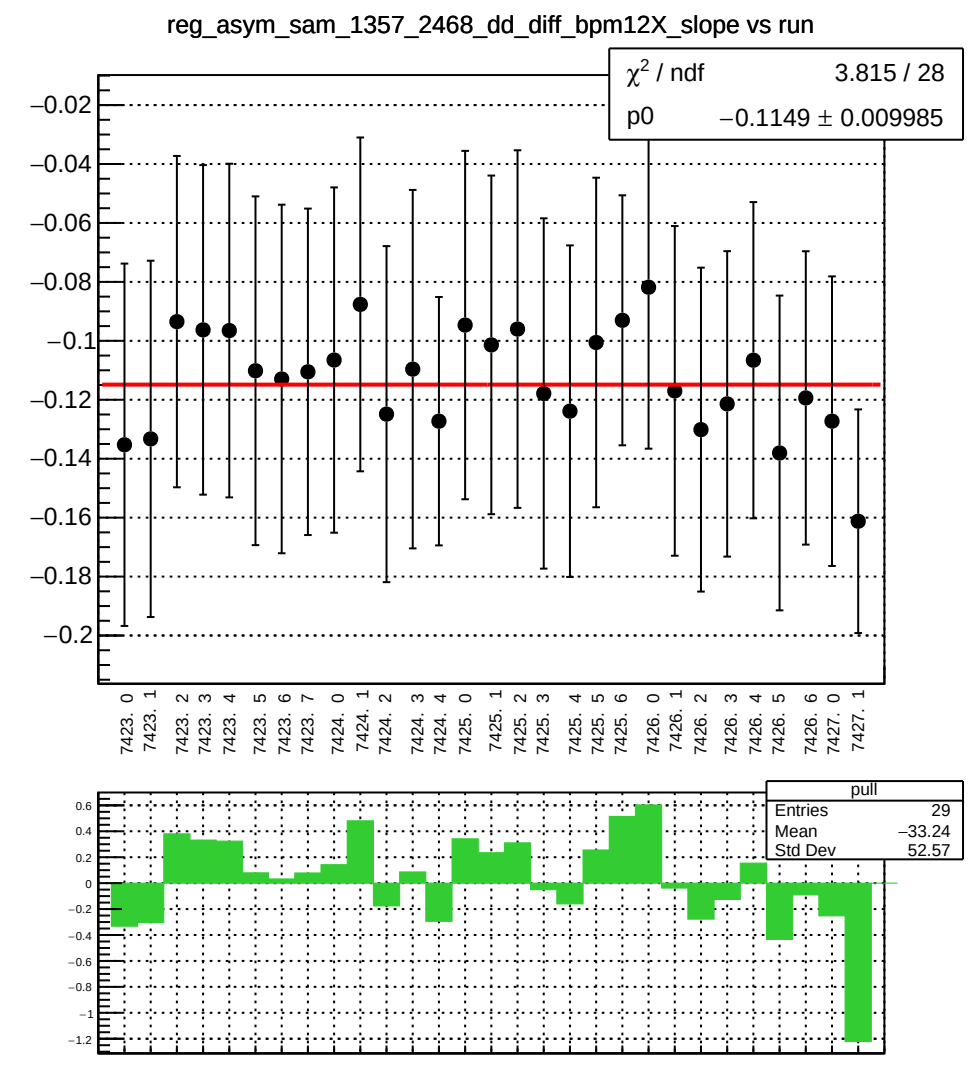

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.453 / 28
p0 0.7297 ± 0.04176
pull
Entries 29
Mean −31.38
Std Dev 52.92
pull1D
Entries 29
Mean −0.01602
Std Dev 0.3447

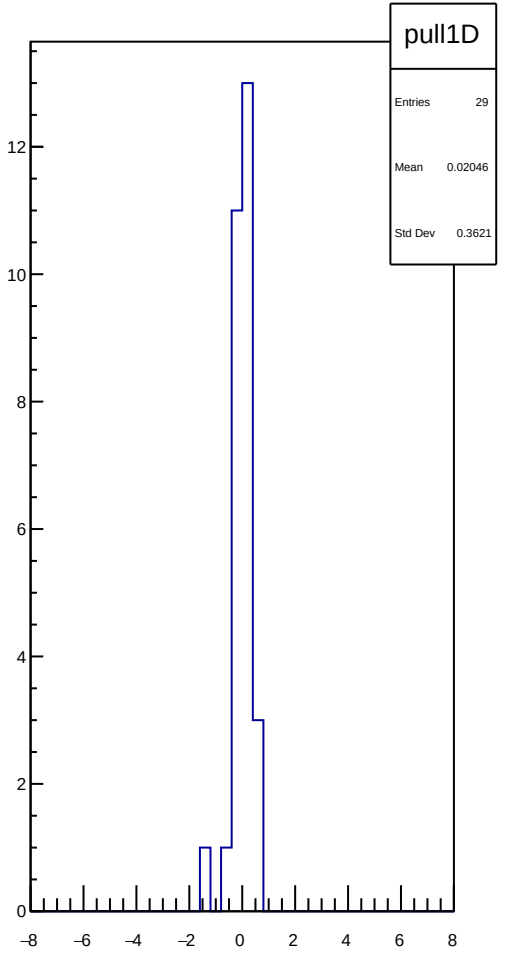

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 51.25 / 28
p0 9.449 ± 0.2167
14
13
12
11
10
9
8
7
6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −24.54
Std Dev 40.91
3
2
1
0
−1
pull1D
Entries 29
Mean −0.174
Std Dev 1.318
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

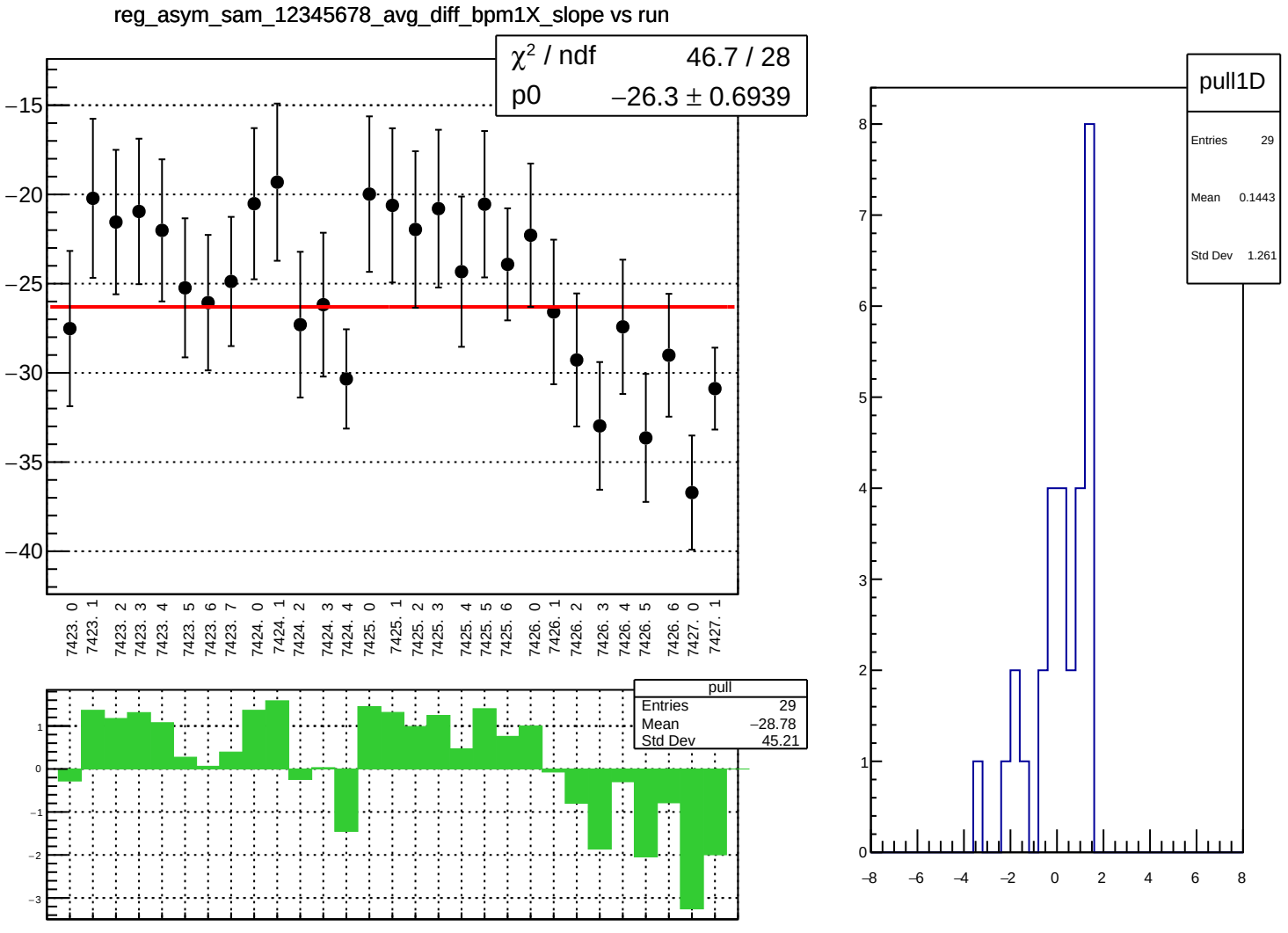

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.96 / 28
p0 −2.959 ± 0.2137
pull
Entries 29
Mean 78.39
Std Dev 61.44
pull1D
Entries 29
Mean −0.05856
Std Dev 0.9259

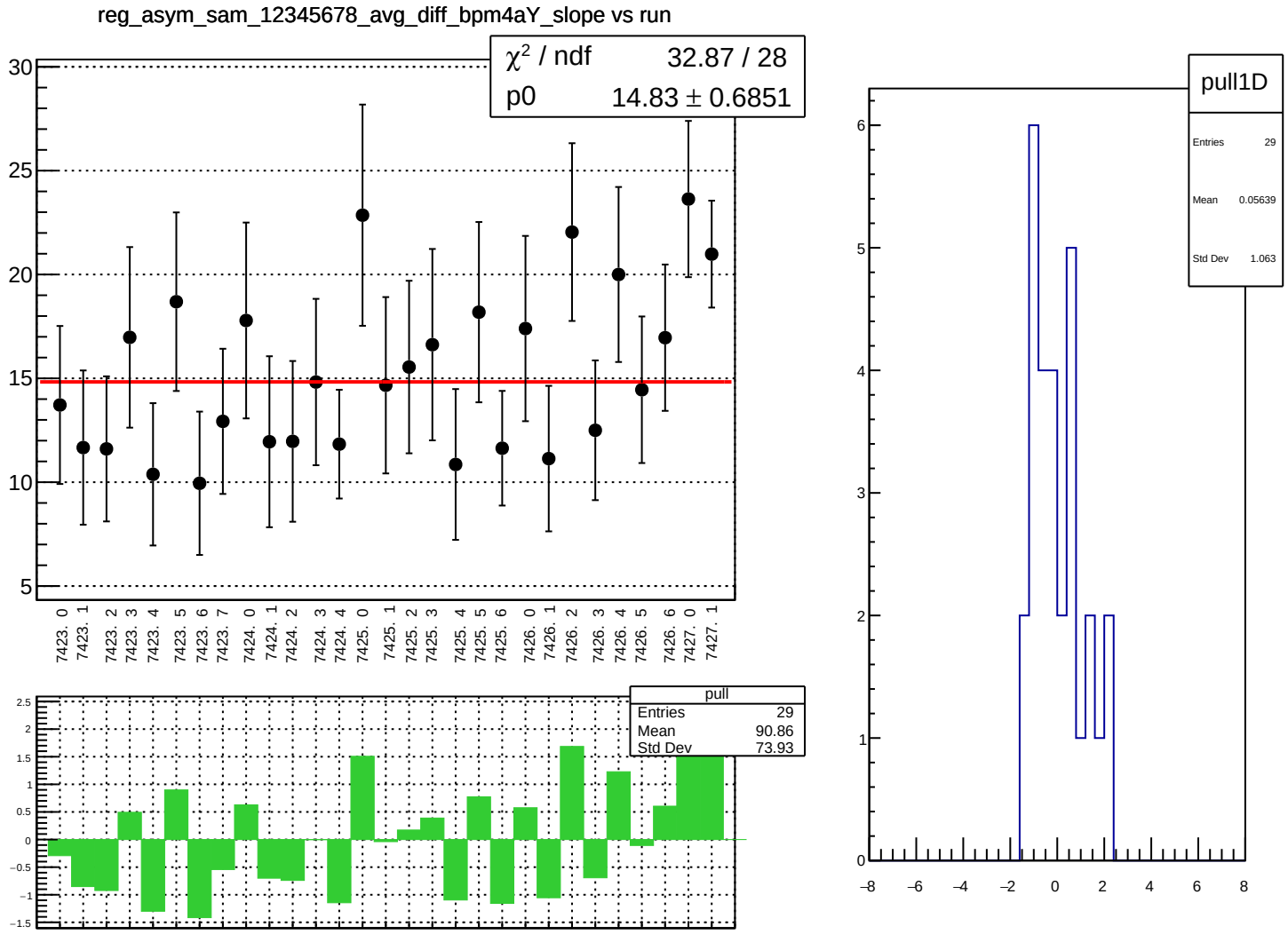

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 82.79 / 28
p0 10.45 ± 0.2262
14
12
10
8
6
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −28.28
Std Dev 44.52
2
1
0
−1
−2
−3
−4
pull1D
Entries 29
Mean 0.22
Std Dev 1.675
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

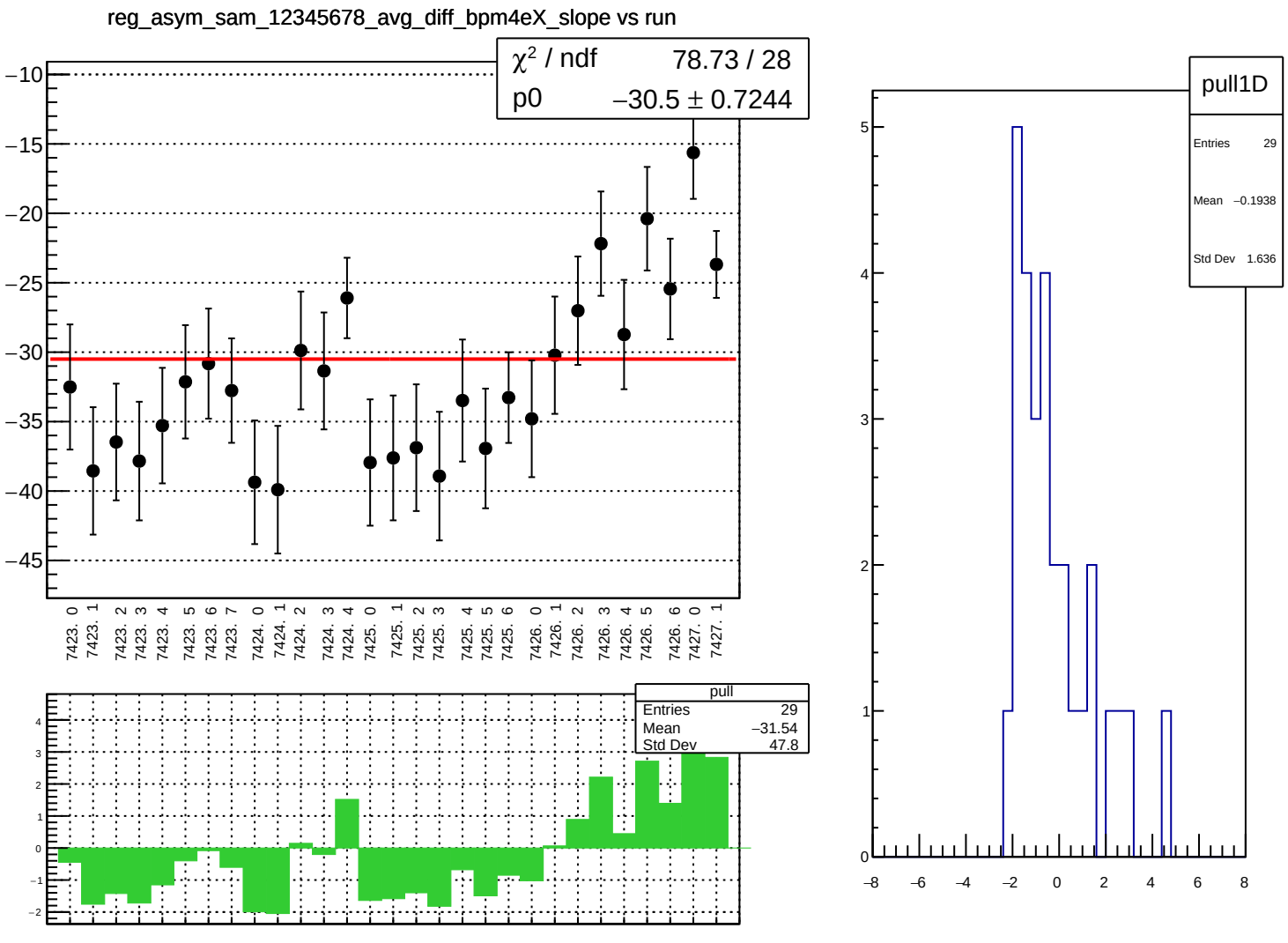

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.36 / 28
p0 −6.441 ± 0.2294
pull
Entries 29
Mean 693.7
Std Dev 676.3
pull1D
Entries 29
Mean 0.006322
Std Dev 0.9713

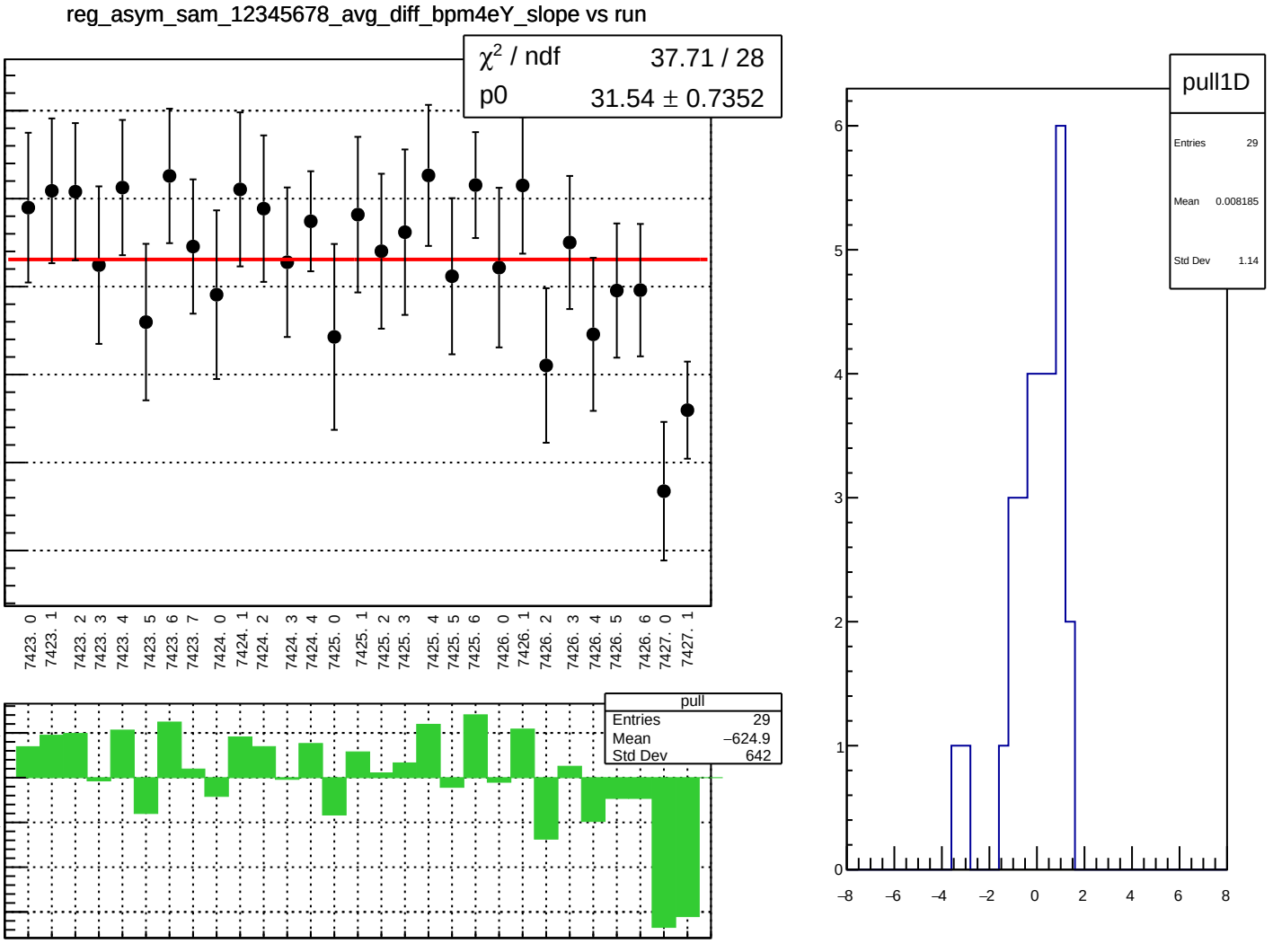

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.815 / 28
p0 −0.1149 ± 0.009985
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
−0.2
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −33.24
Std Dev 52.57
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

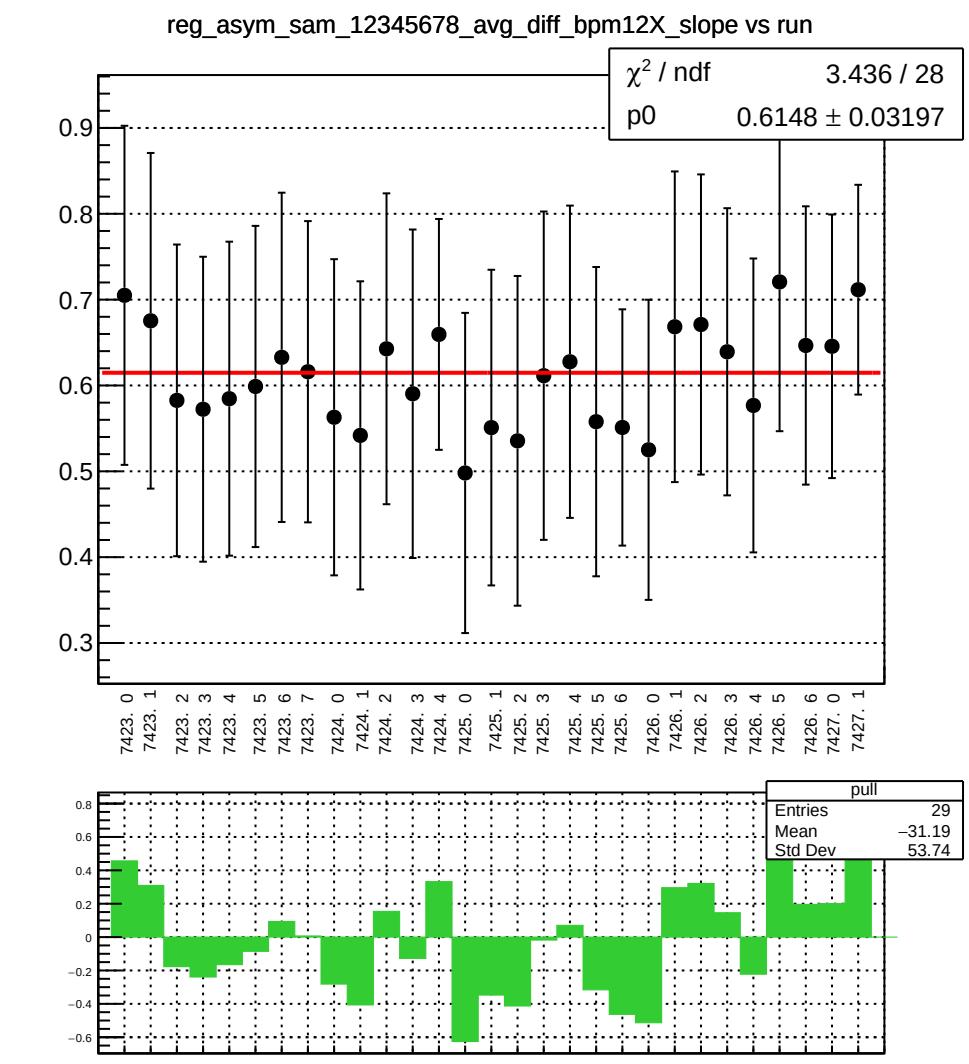

pull1D
Entries 29
Mean 0.02046
Std Dev 0.3621
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

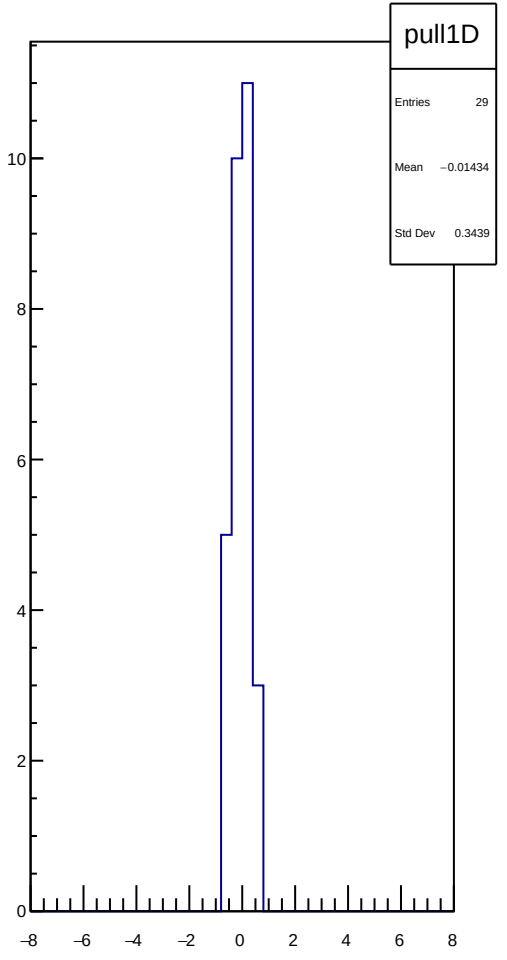

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 46.7 / 28
p0 −26.3 ± 0.6939
−15
−20
−25
−30
−35
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −28.78
Std Dev 45.21
1
0
−1
−2
−3
pull1D
Entries 29
Mean 0.1443
Std Dev 1.261
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

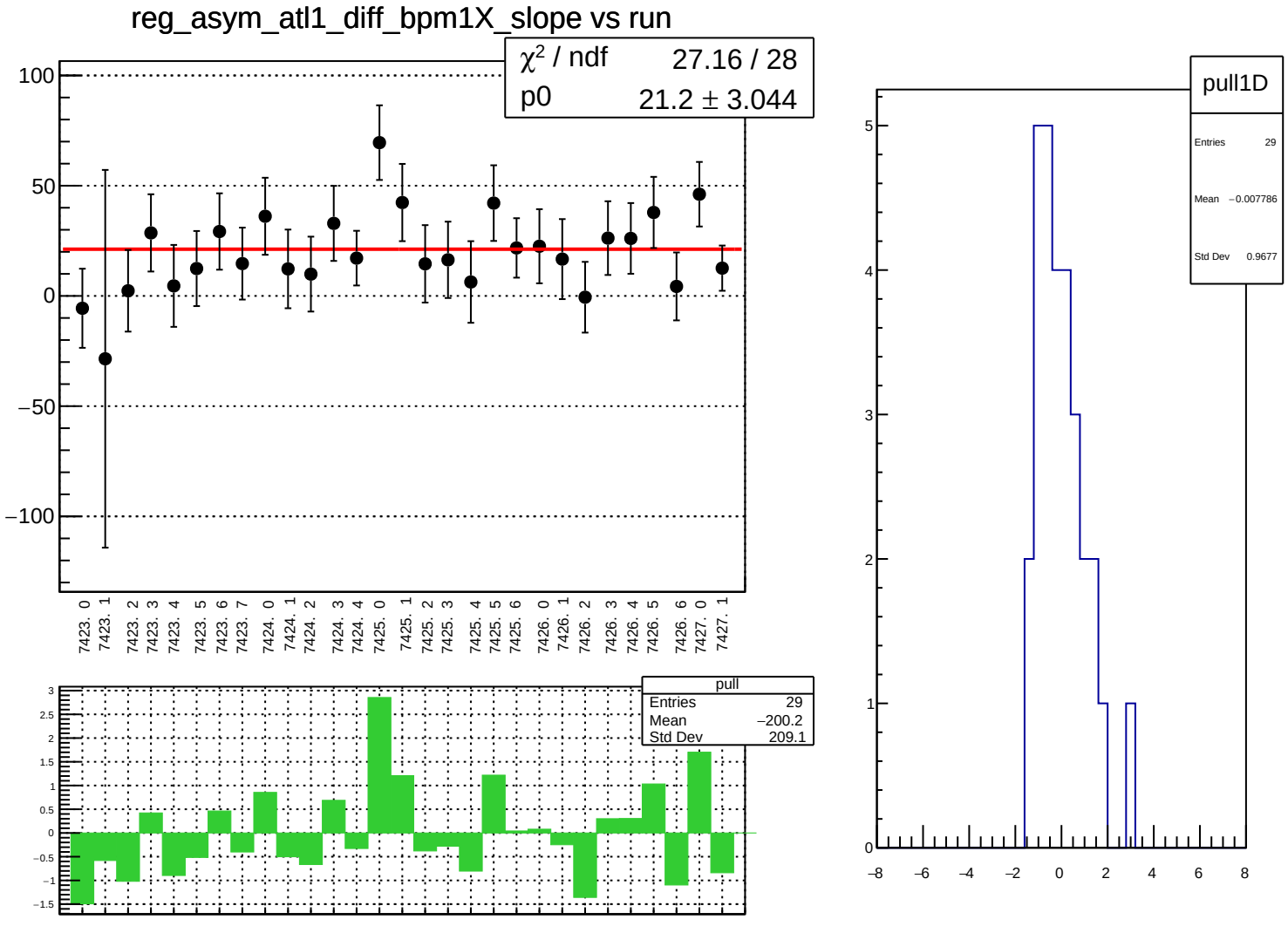

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.87 / 28
p0 14.83 ± 0.6851
30
25
20
15
10
5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 90.86
Std Dev 73.93
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.05639
Std Dev 1.063
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

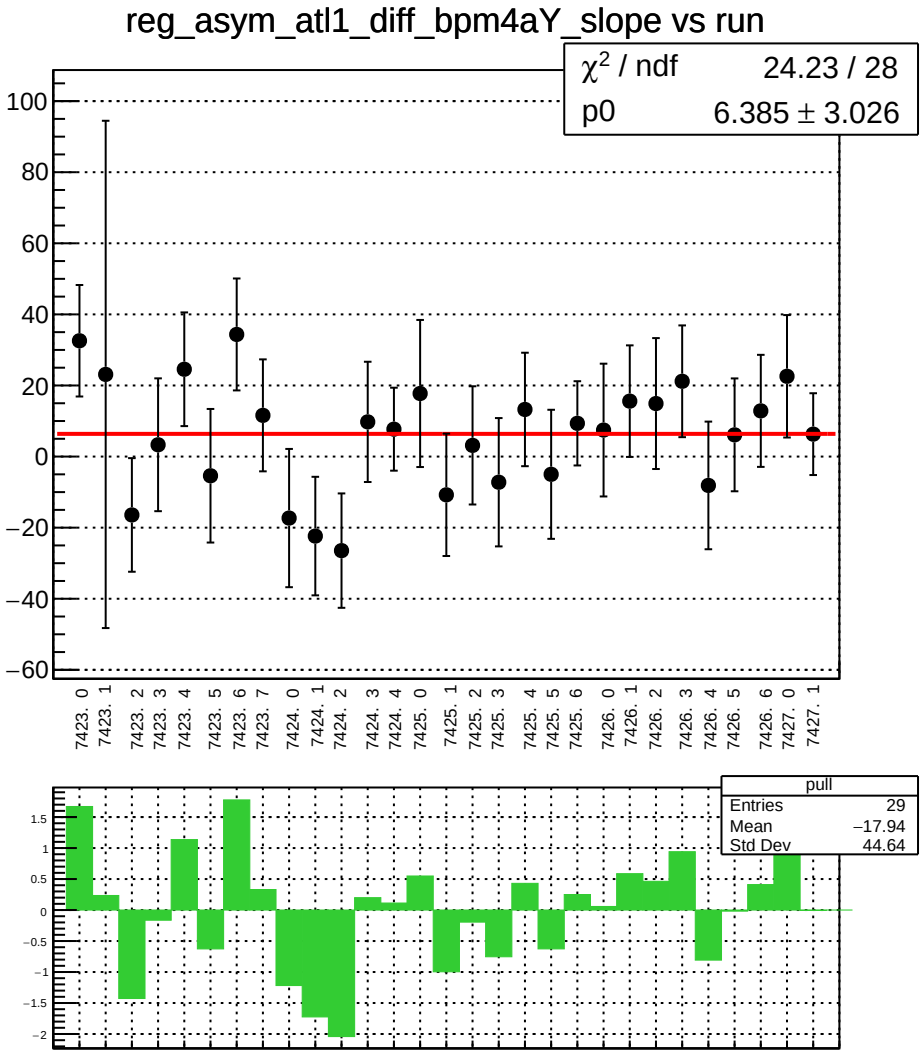

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 78.73 / 28
p0 −30.5 ± 0.7244
−10
−15
−20
−25
−30
−35
−40
−45
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −31.54
Std Dev 47.8
pull1D
Entries 29
Mean −0.1938
Std Dev 1.636

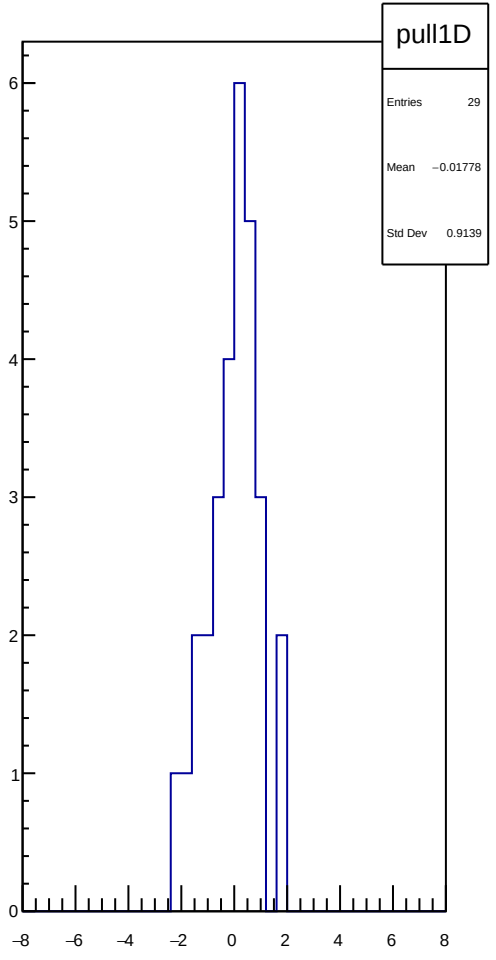

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.71 / 28
p0 31.54 ± 0.7352
40
35
30
25
20
15
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −624.9
Std Dev 642
1
0
−1
−2
−3
pull1D
Entries 29
Mean 0.008185
Std Dev 1.14
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

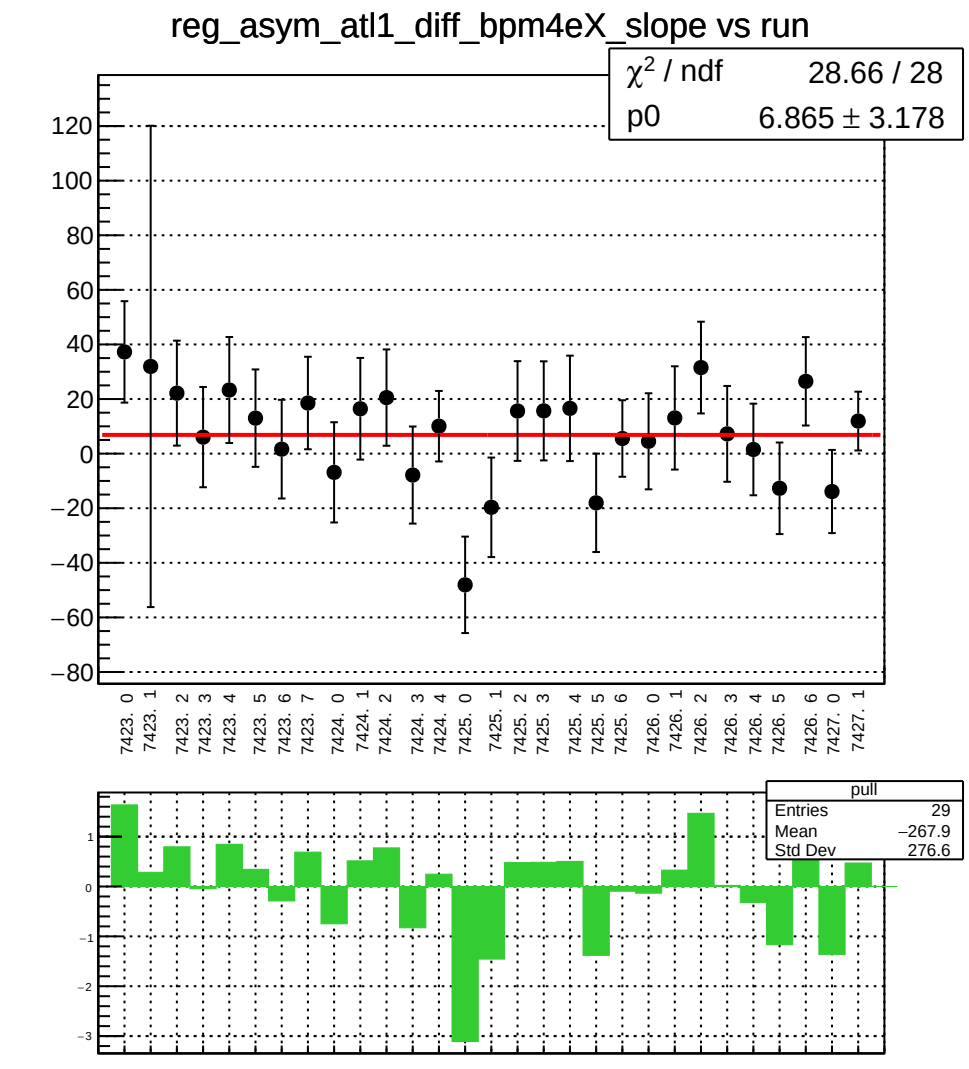

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.436 / 28
p0 0.6148 ± 0.03197
0.9
0.8
0.7
0.6
0.5
0.4
0.3
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −31.19
Std Dev 53.74
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

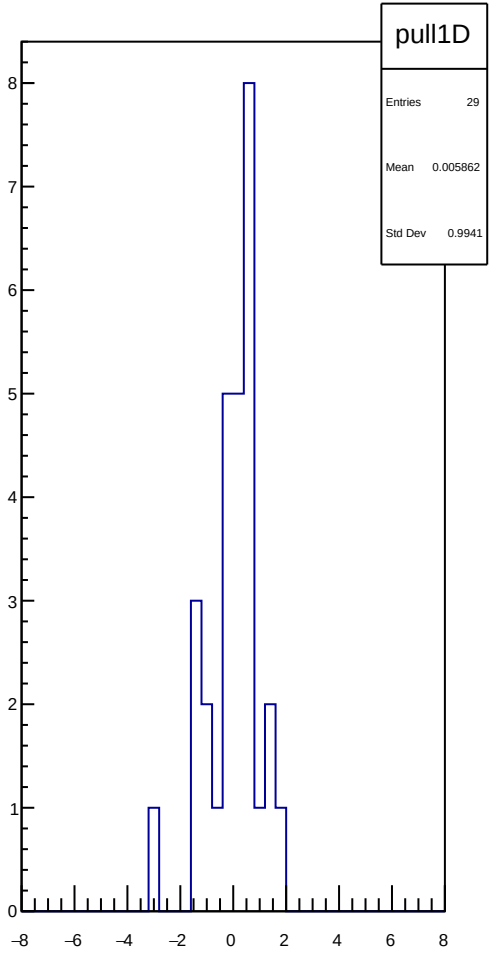

pull1D
Entries 29
Mean −0.01434
Std Dev 0.3439
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

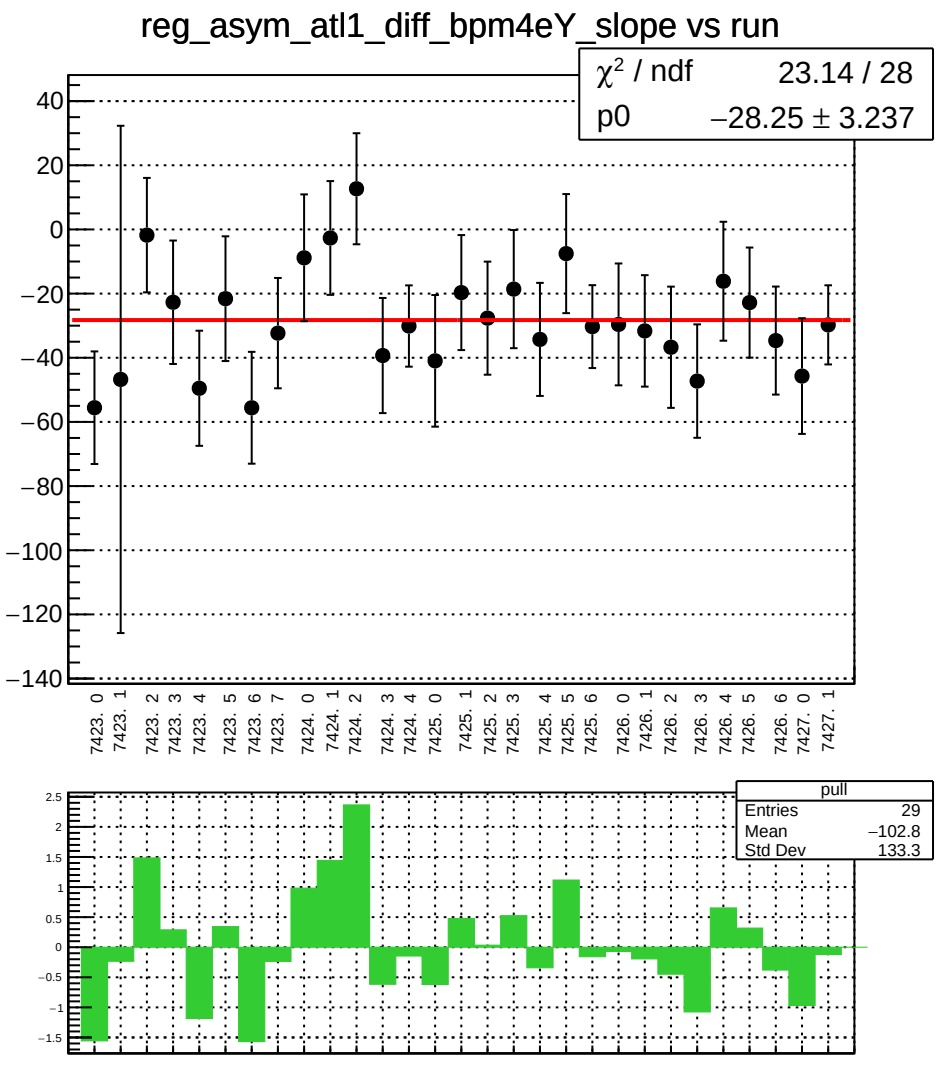

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 27.16 / 28
p0 21.2 ± 3.044
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −200.2
Std Dev 209.1
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.007786
Std Dev 0.9677
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

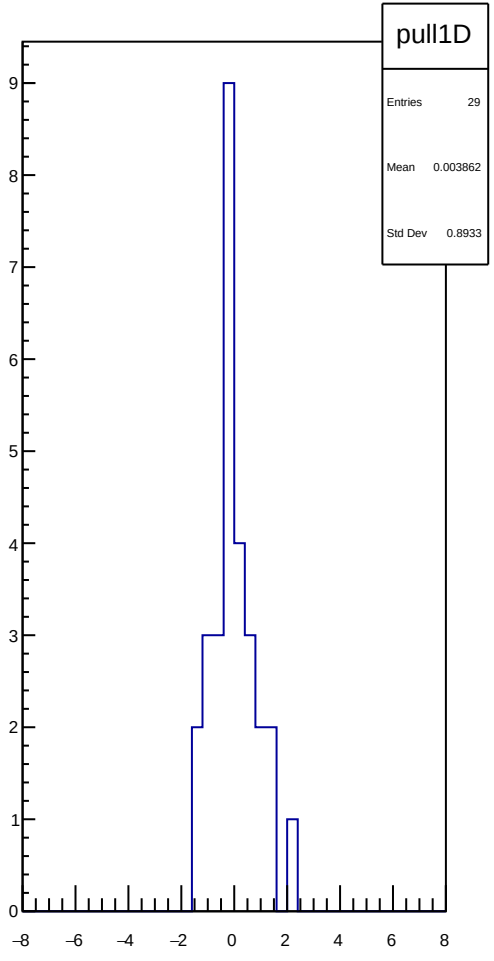

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 24.23 / 28
p0 6.385 ± 3.026
pull
Entries 29
Mean −17.94
Std Dev 44.64

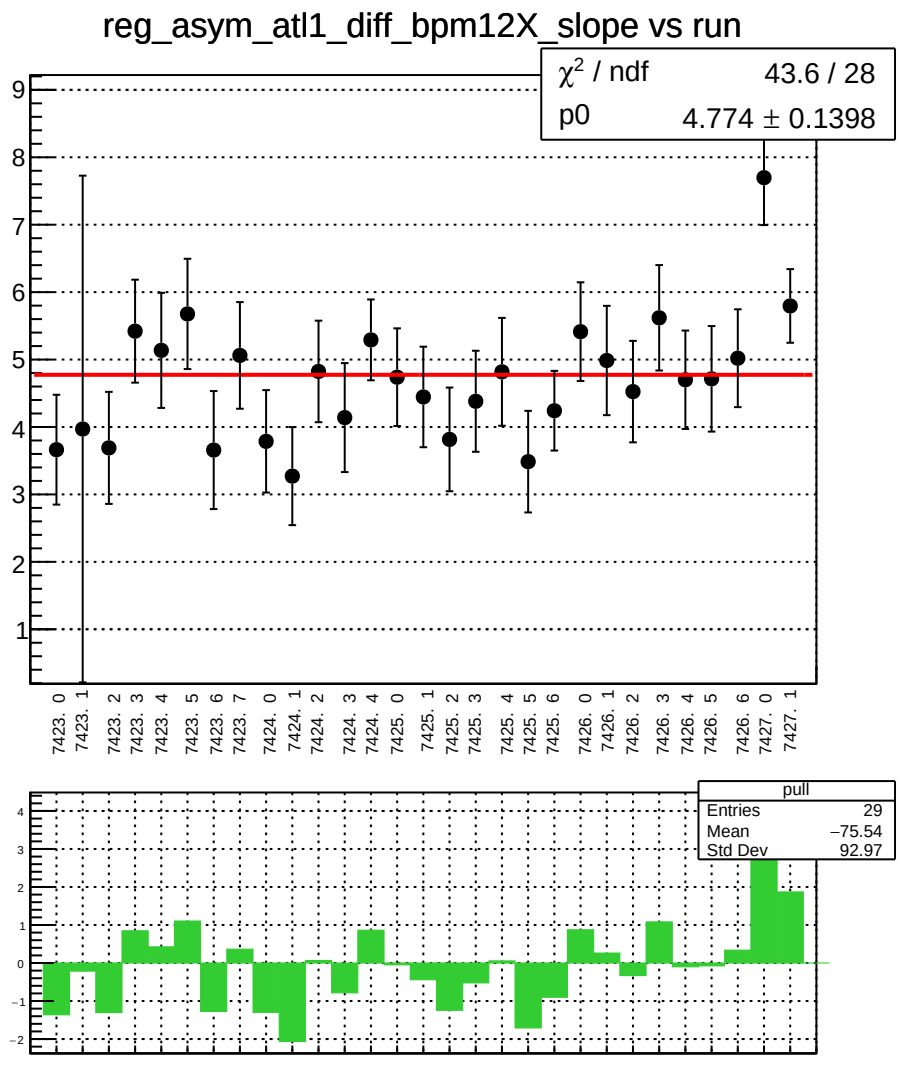

pull1D
Entries 29
Mean −0.01778
Std Dev 0.9139

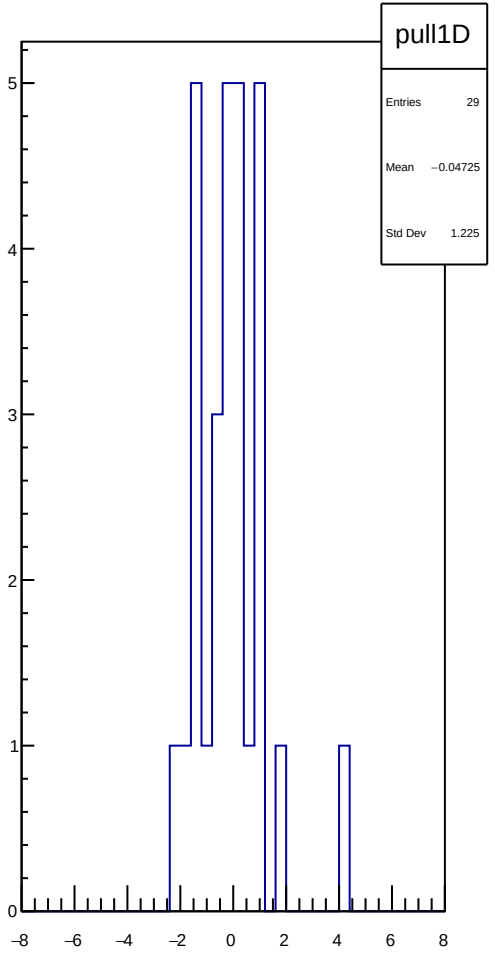

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 28.66 / 28
p0 6.865 ± 3.178
120
100
80
60
40
20
0
−20
−40
−60
−80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −267.9
Std Dev 276.6
1
0
−1
−2
−3

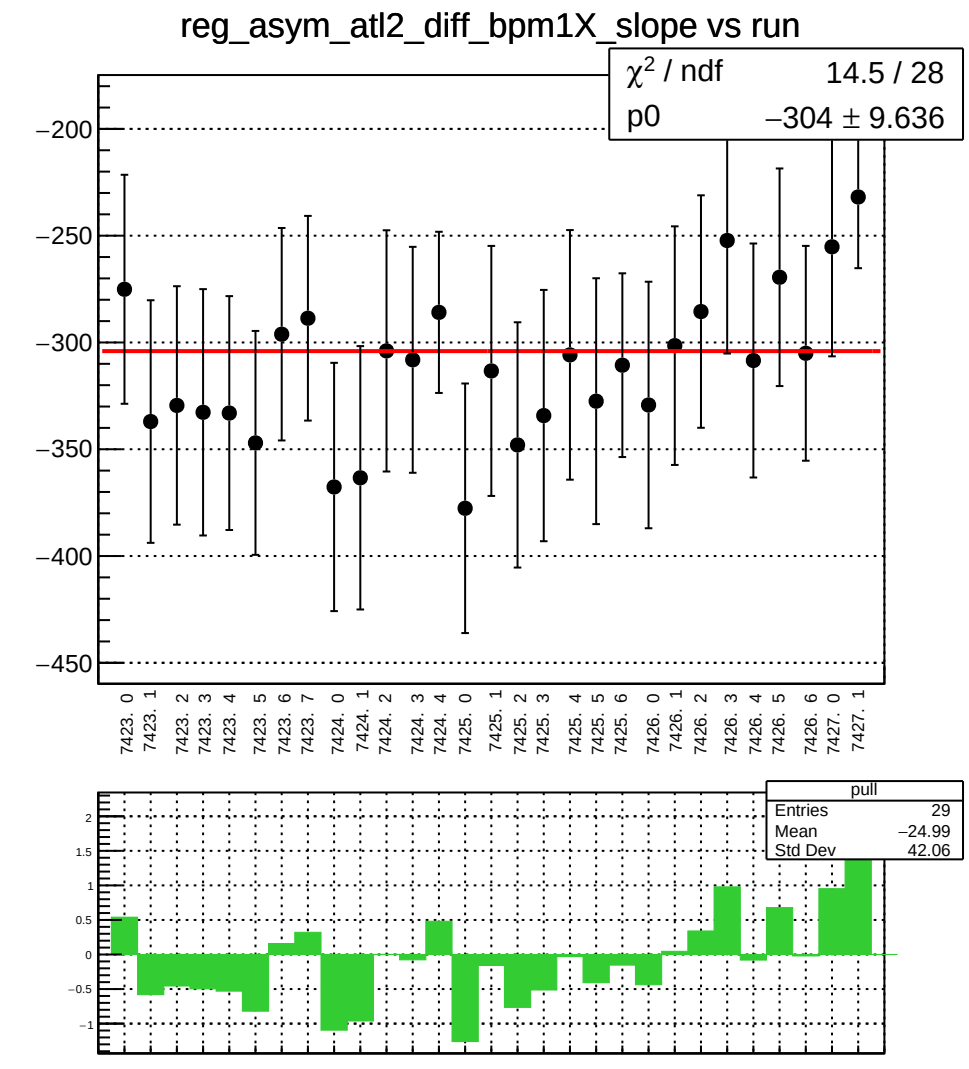

pull1D
Entries 29
Mean 0.005862
Std Dev 0.9941
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

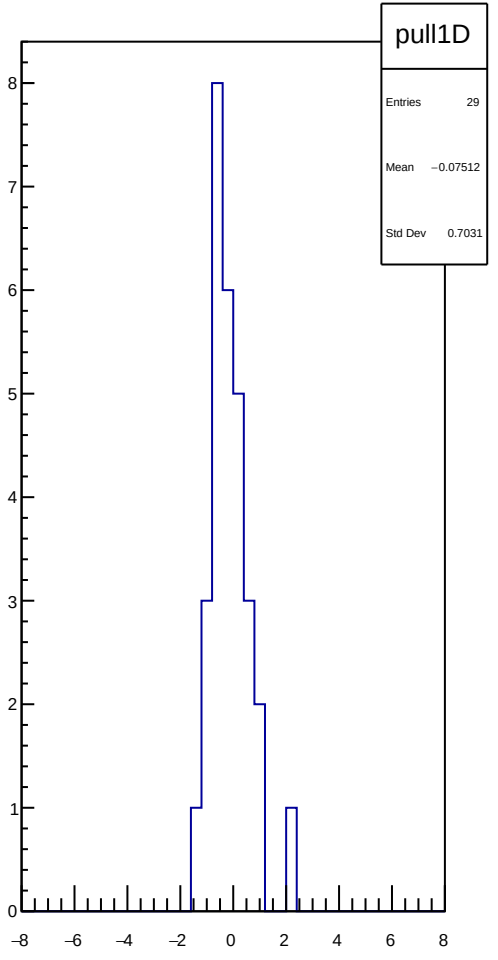

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 23.14 / 28
p0 −28.25 ± 3.237
pull
Entries 29
Mean −102.8
Std Dev 133.3

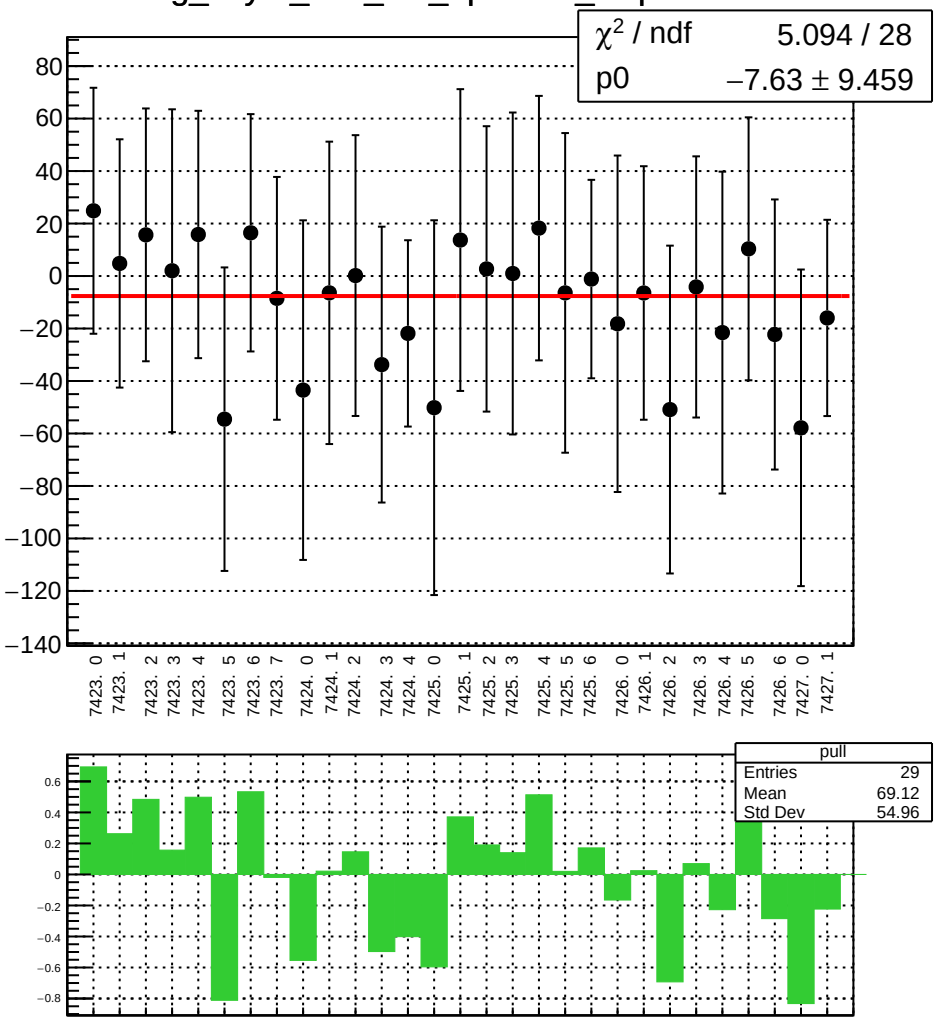

pull1D
Entries 29
Mean 0.003862
Std Dev 0.8933

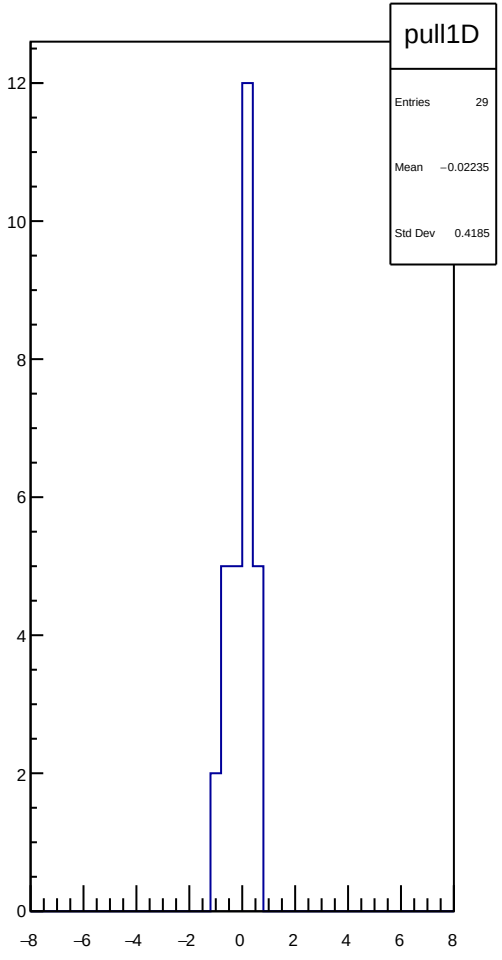

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 43.6 / 28
p0 4.774 ± 0.1398
pull
Entries 29
Mean −75.54
Std Dev 92.97

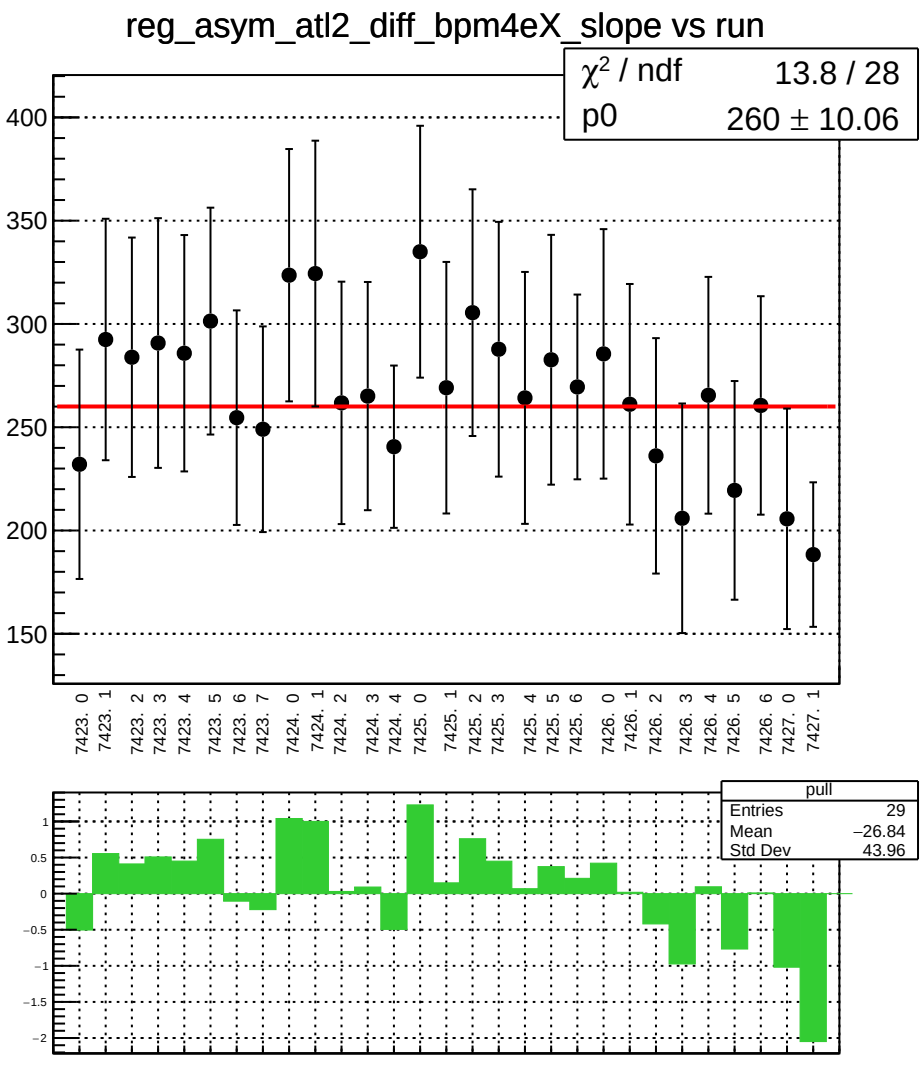

pull1D
Entries 29
Mean −0.04725
Std Dev 1.225

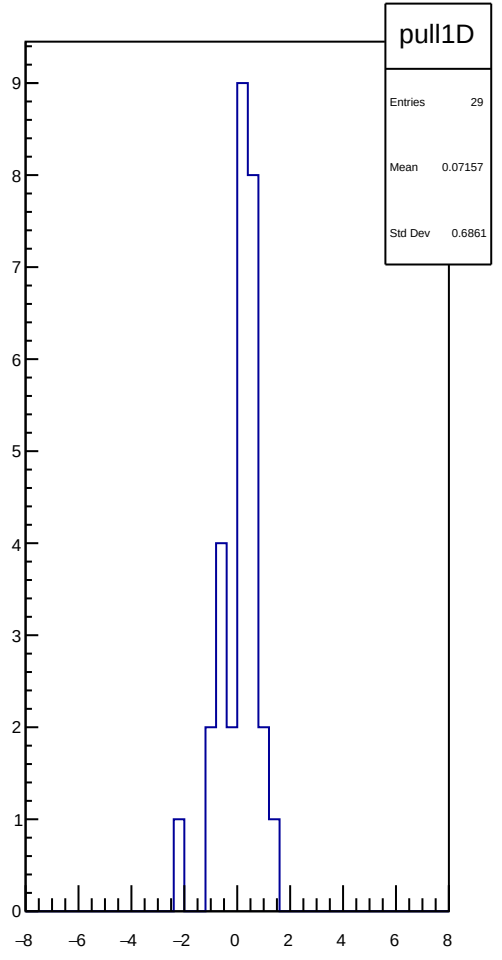

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 14.5 / 28
p0 −304 ± 9.636
−200
−250
−300
−350
−400
−450
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −24.99
Std Dev 42.06
2
1.5
1
0.5
0
−0.5
−1

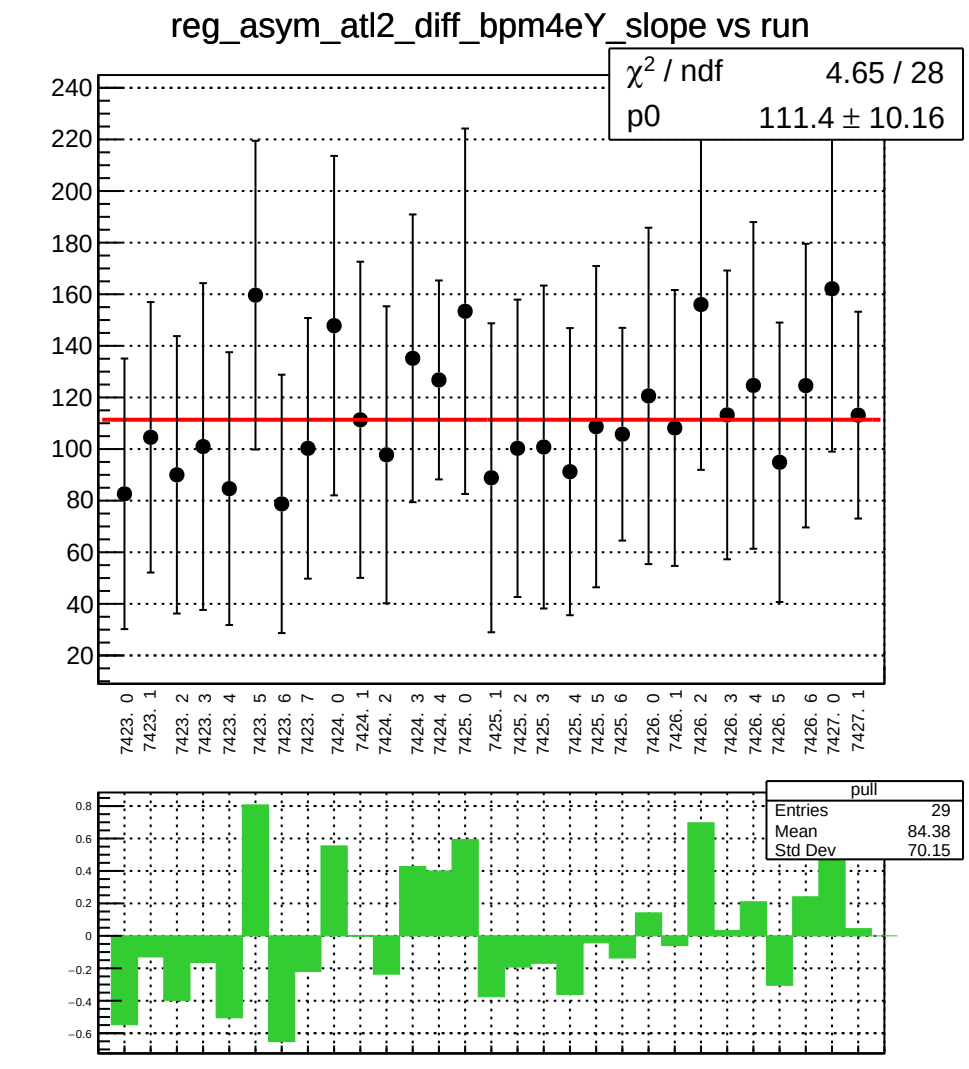

pull1D
Entries 29
Mean −0.07512
Std Dev 0.7031
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

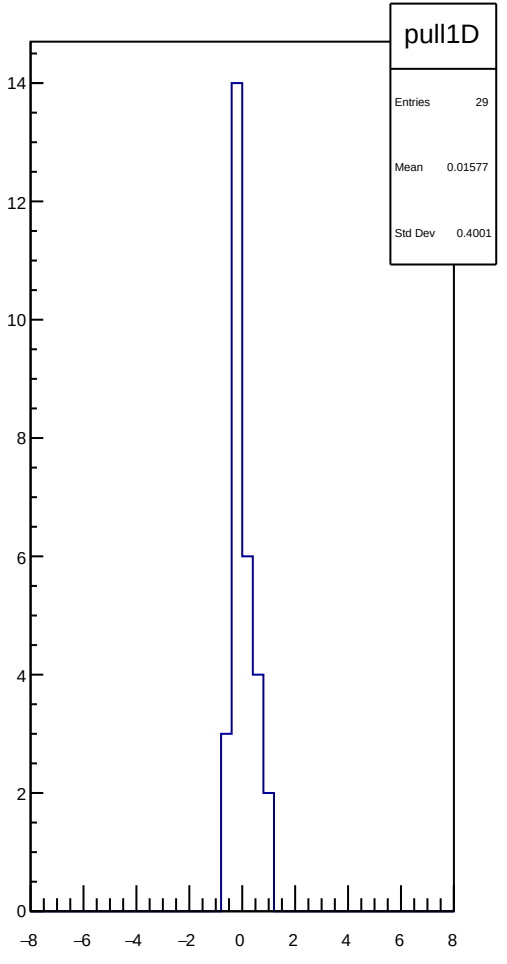

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.094 / 28
p0 −7.63 ± 9.459
pull
Entries 29
Mean 69.12
Std Dev 54.96

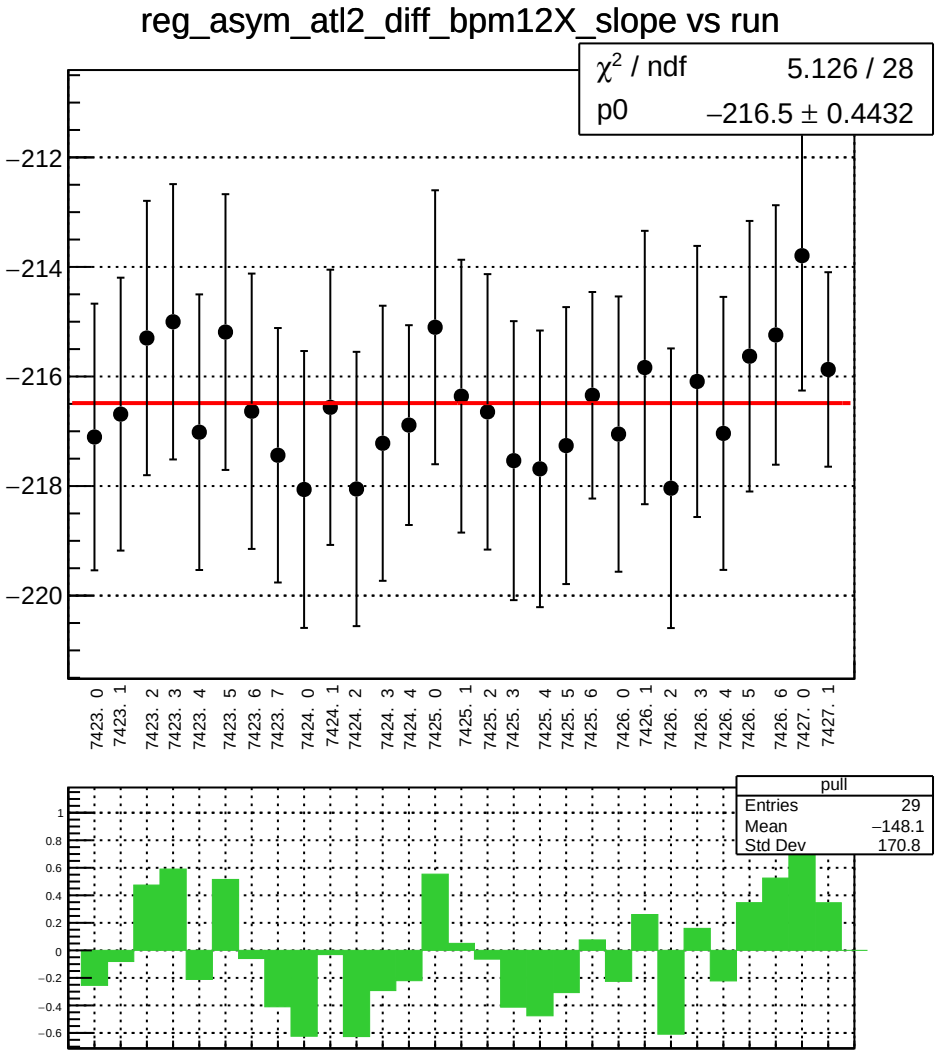

pull1D
Entries 29
Mean −0.02235
Std Dev 0.4185

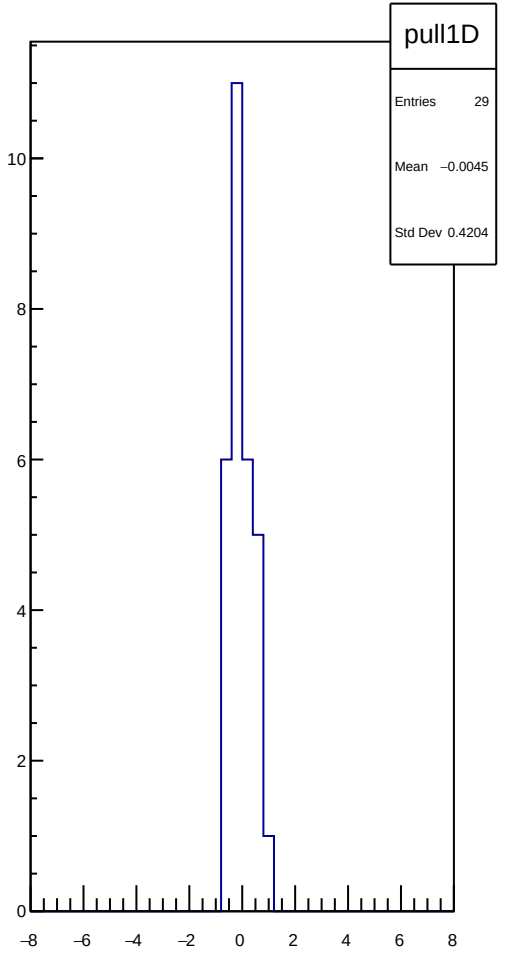

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 13.8 / 28
p0 260 ± 10.06
400
350
300
250
200
150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −26.84
Std Dev 43.96
1
0.5
0
−0.5
−1
−1.5
−2

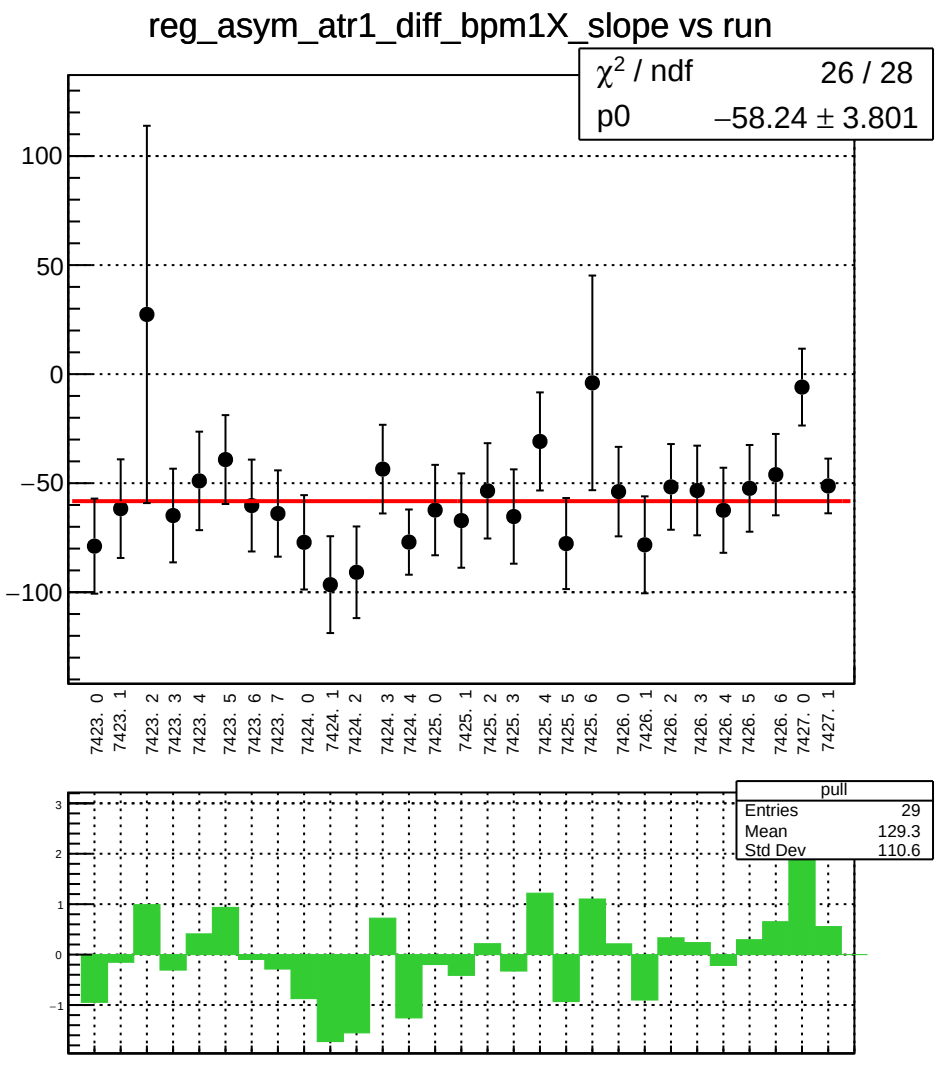

pull1D
Entries 29
Mean 0.07157
Std Dev 0.6861
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

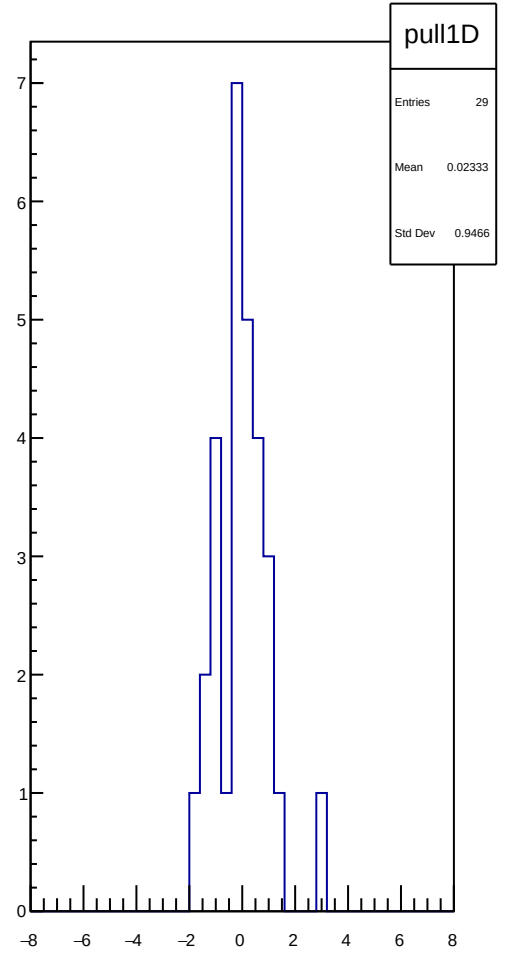

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 4.65 / 28
p0 111.4 ± 10.16
240
220
200
180
160
140
120
100
80
60
40
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 84.38
Std Dev 70.15
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

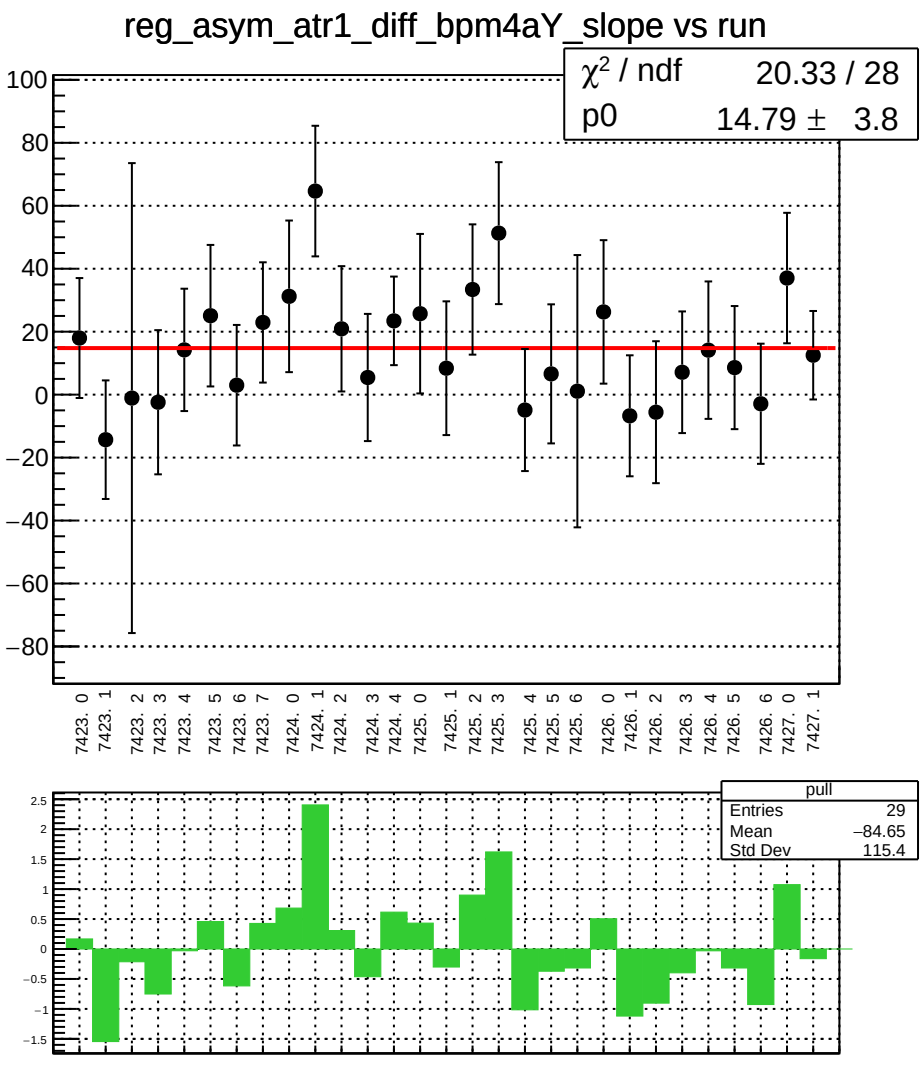

pull1D
Entries 29
Mean 0.01577
Std Dev 0.4001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

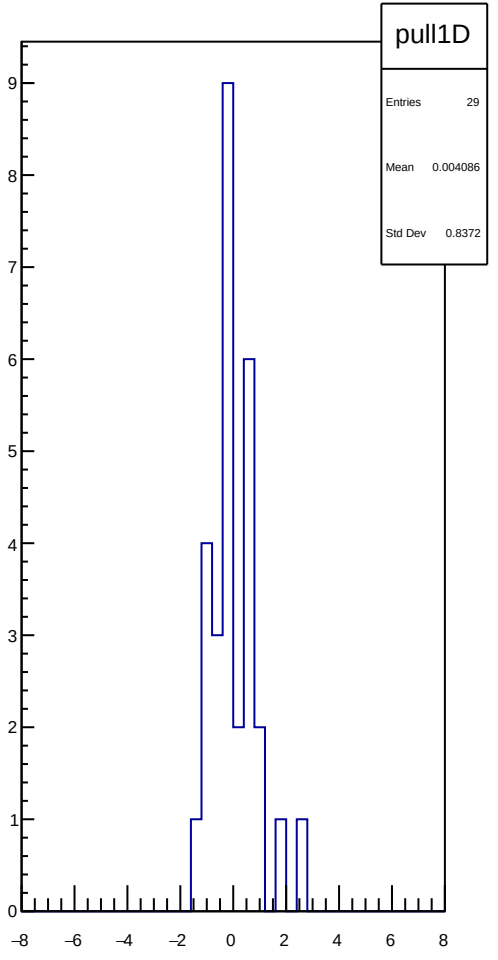

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 5.126 / 28
p0 −216.5 ± 0.4432
−212
−214
−216
−218
−220
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −148.1
Std Dev 170.8
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

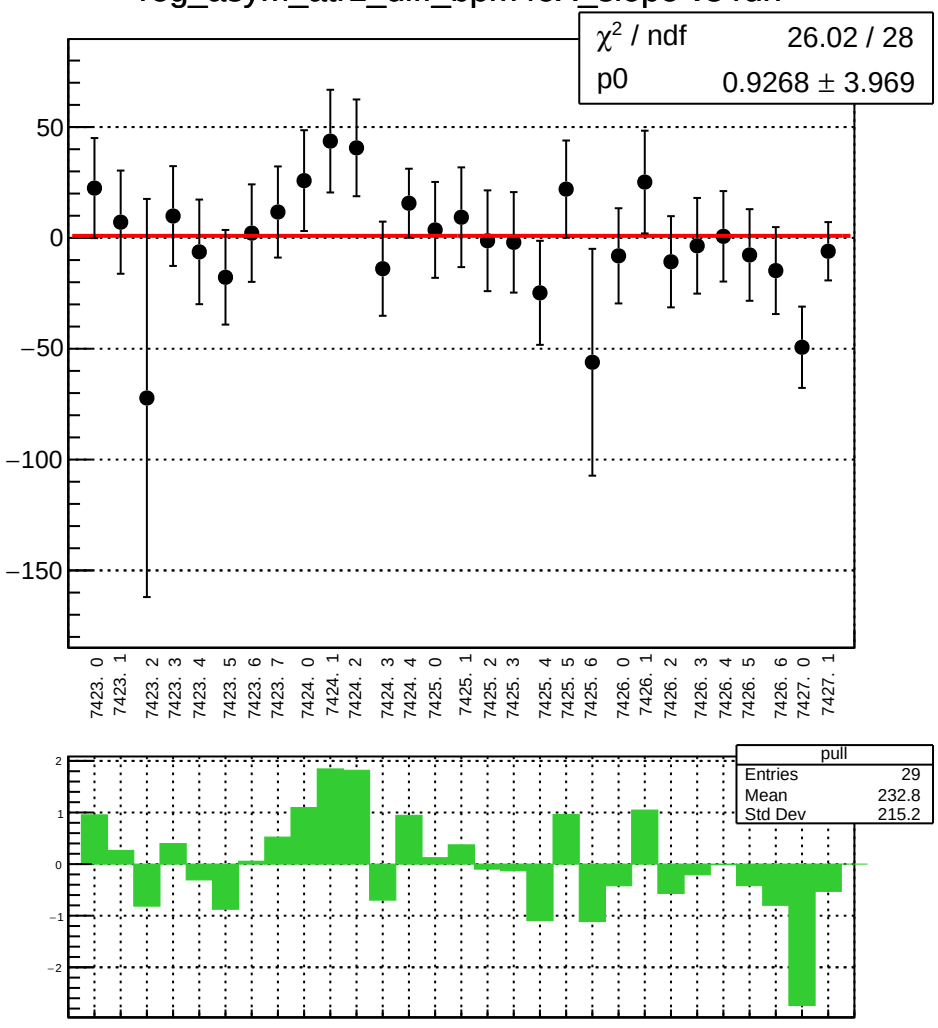

pull1D
Entries 29
Mean −0.0045
Std Dev 0.4204
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

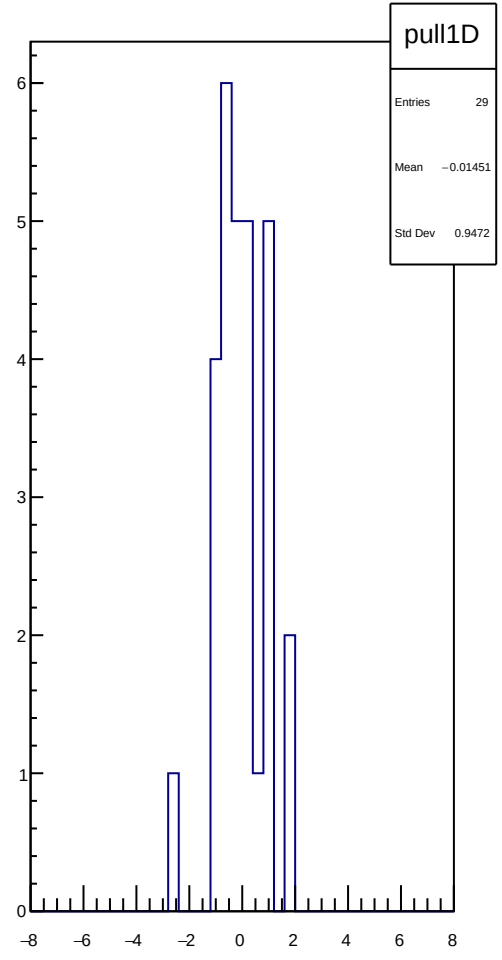

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 26 / 28
p0 −58.24 ± 3.801
100
50
0
−50
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 129.3
Std Dev 110.6
3
2
1
0
−1

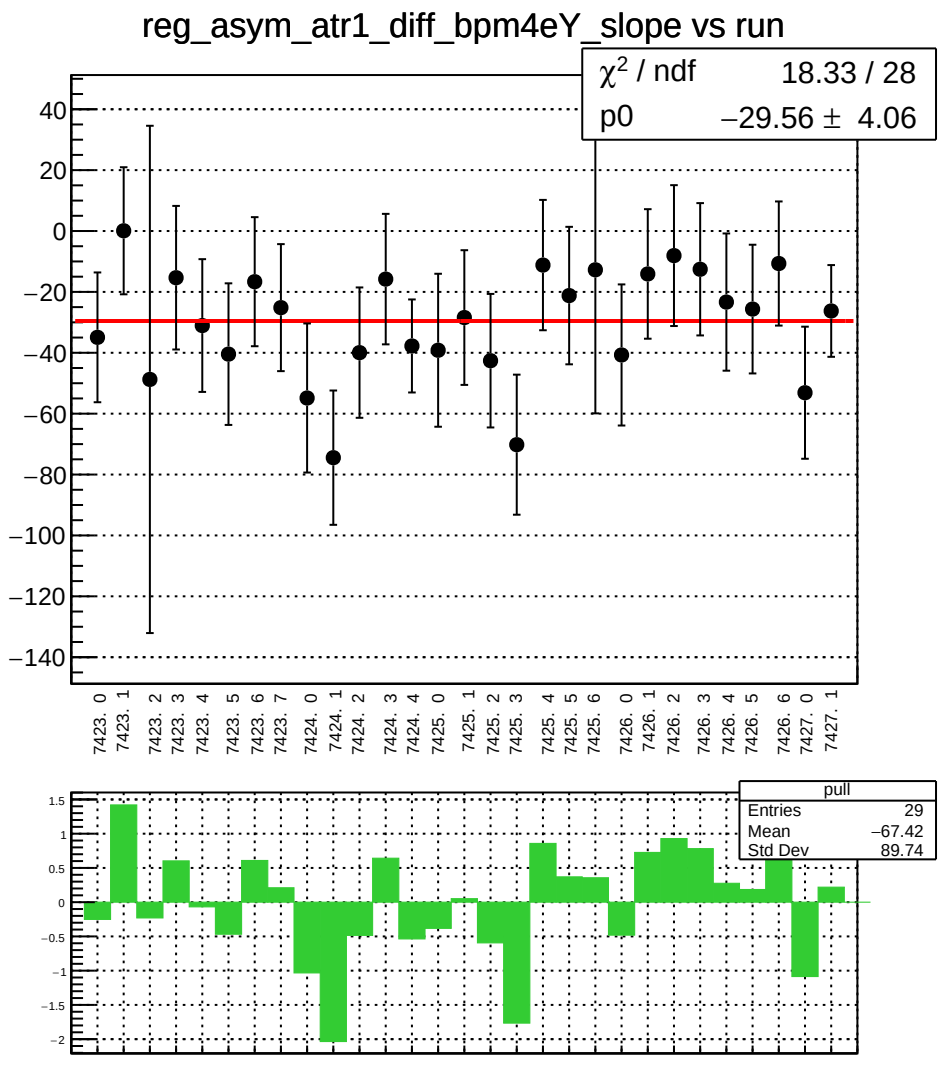

pull1D
Entries 29
Mean 0.02333
Std Dev 0.9466
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

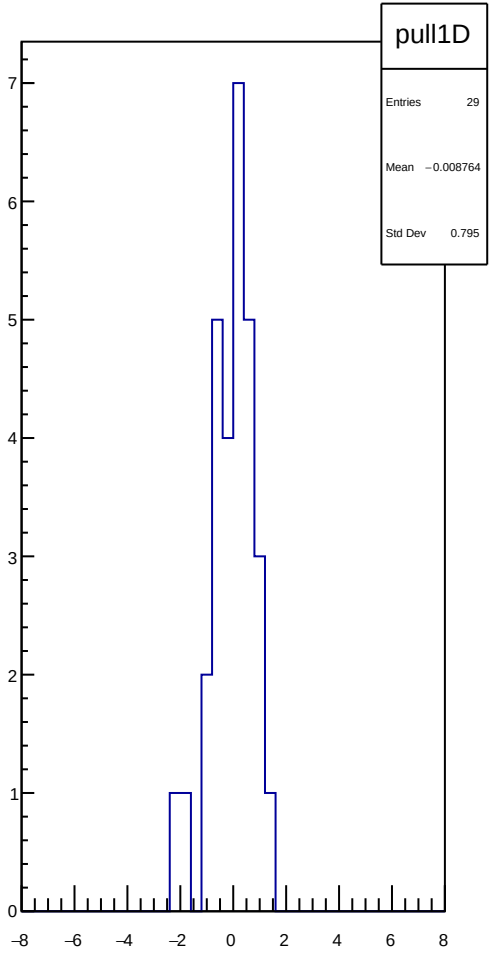

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 20.33 / 28
p0 14.79 ± 3.8
100
80
60
40
20
0
−20
−40
−60
−80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −84.65
Std Dev 115.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

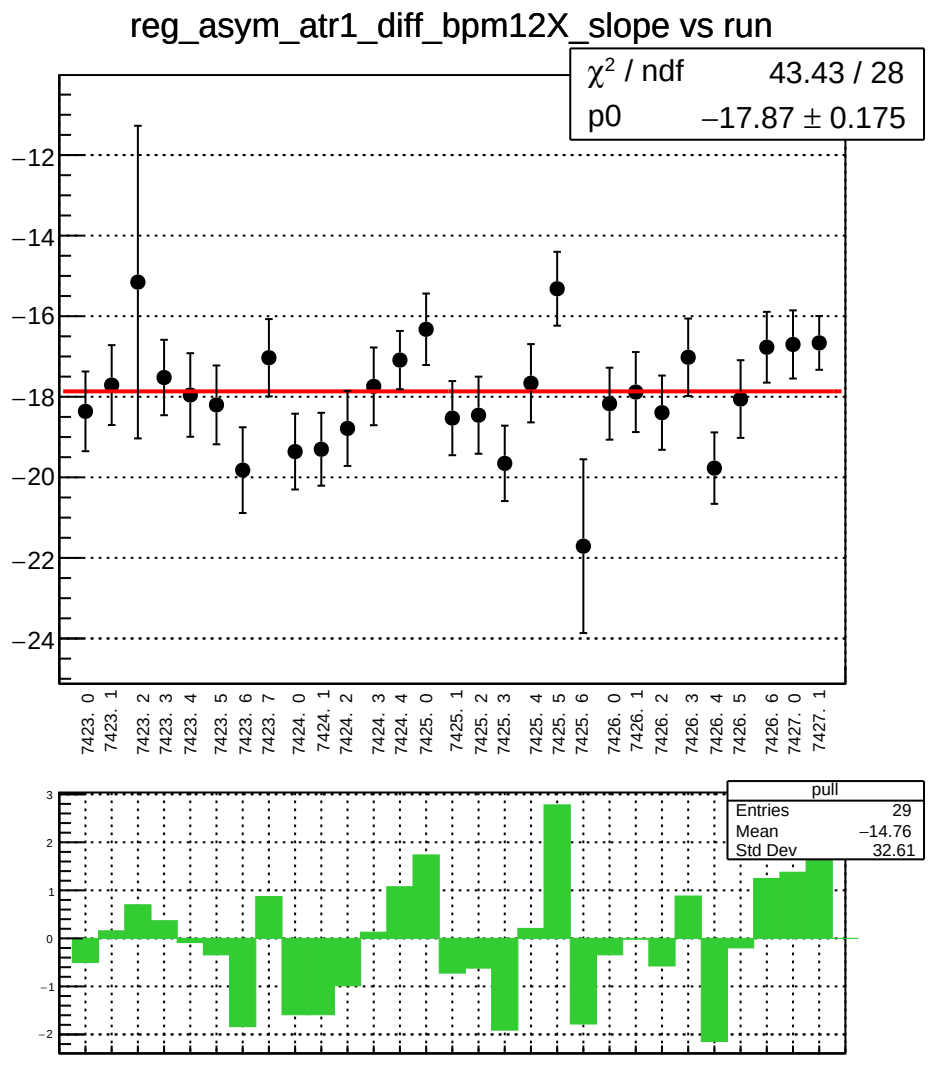

pull1D
Entries 29
Mean 0.004086
Std Dev 0.8372
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

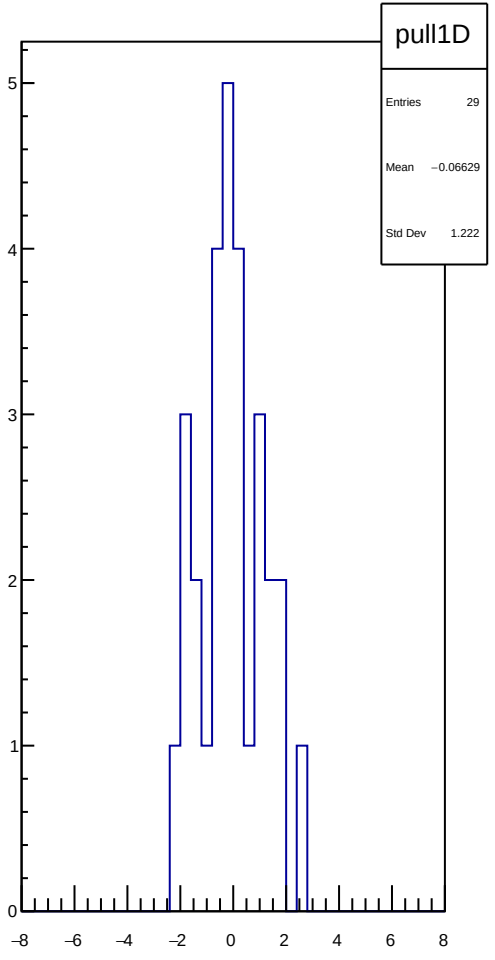

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 26.02 / 28
p0 0.9268 ± 3.969
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 232.8
Std Dev 215.2
2
1
0
−1
−2

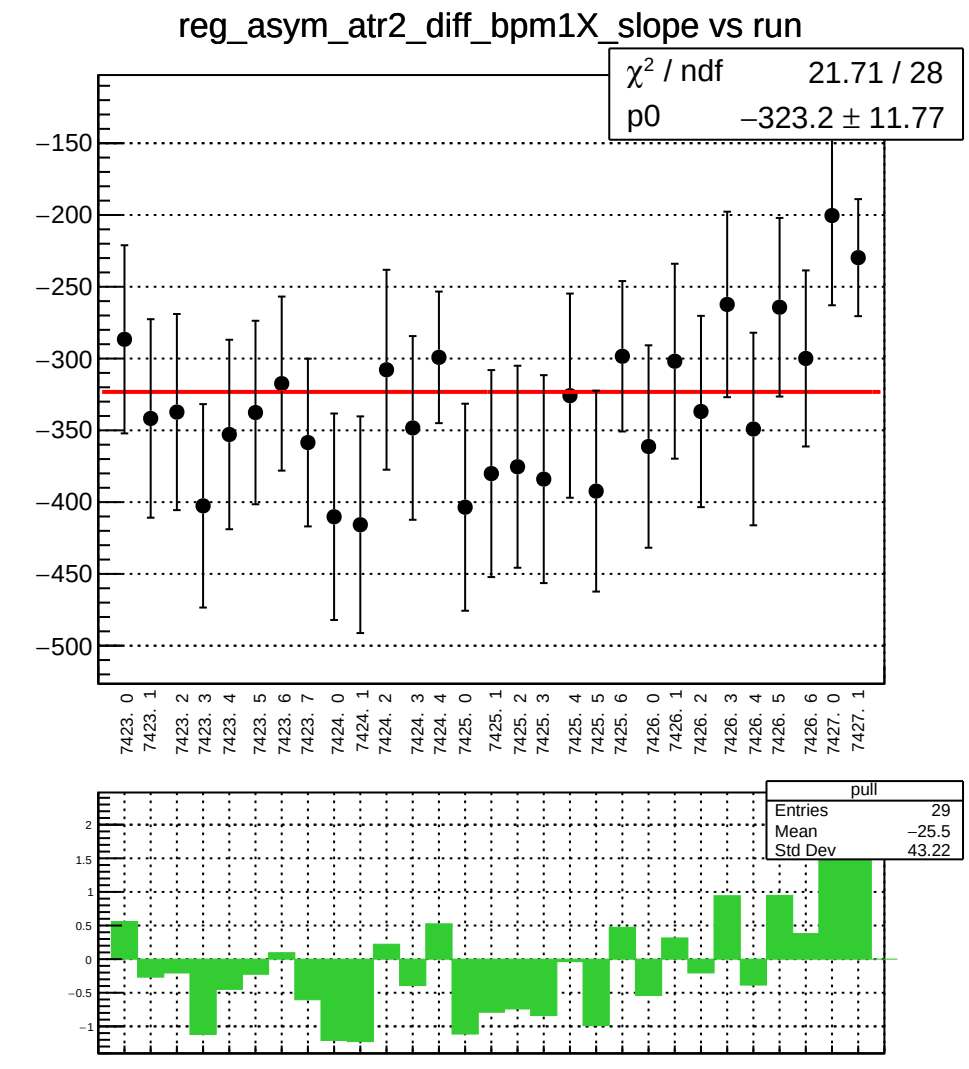

pull1D
Entries 29
Mean −0.01451
Std Dev 0.9472
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

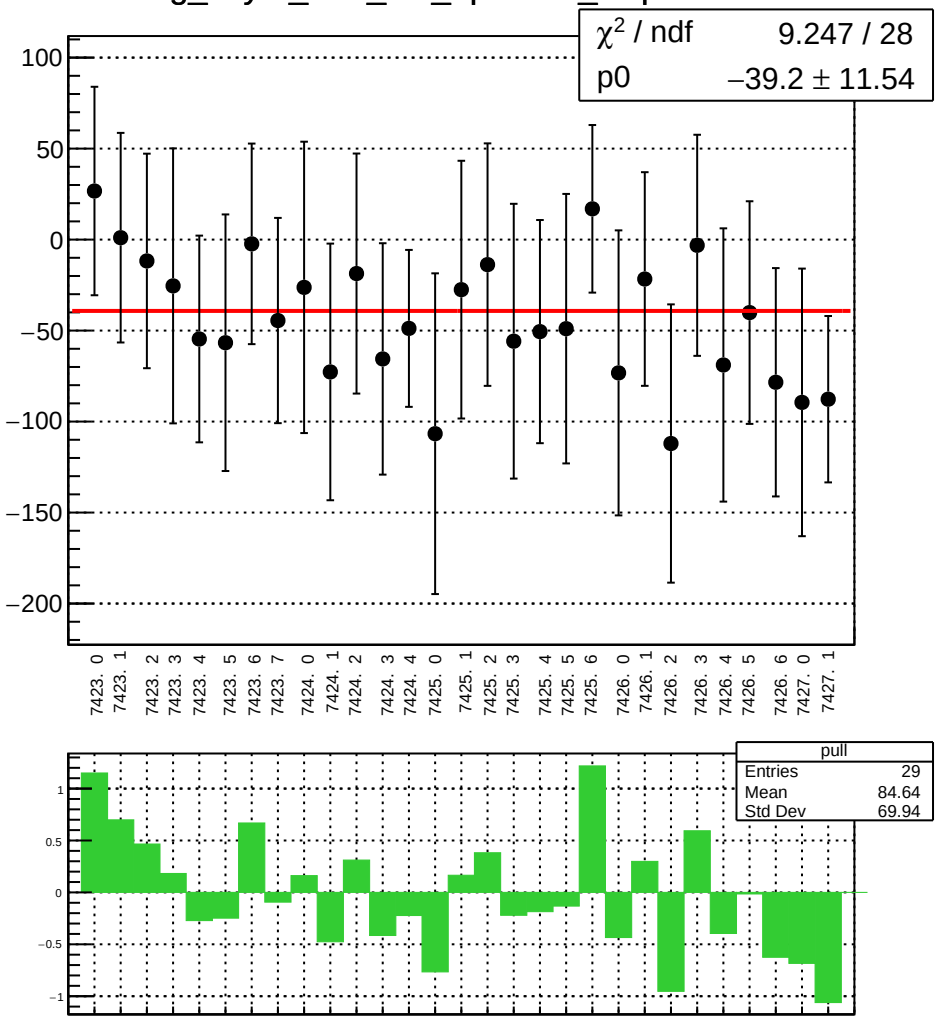

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 18.33 / 28
p0 −29.56 ± 4.06
40
20
0
−20
−40
−60
−80
−100
−120
−140
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −67.42
Std Dev 89.74
1.5
1
0.5
0
−0.5
−1
−1.5
−2

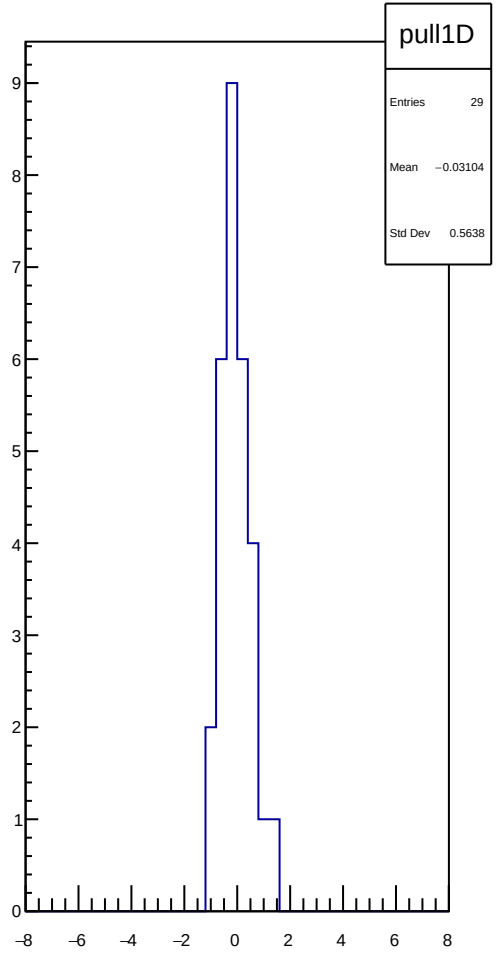

pull1D
Entries 29
Mean −0.008764
Std Dev 0.795
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

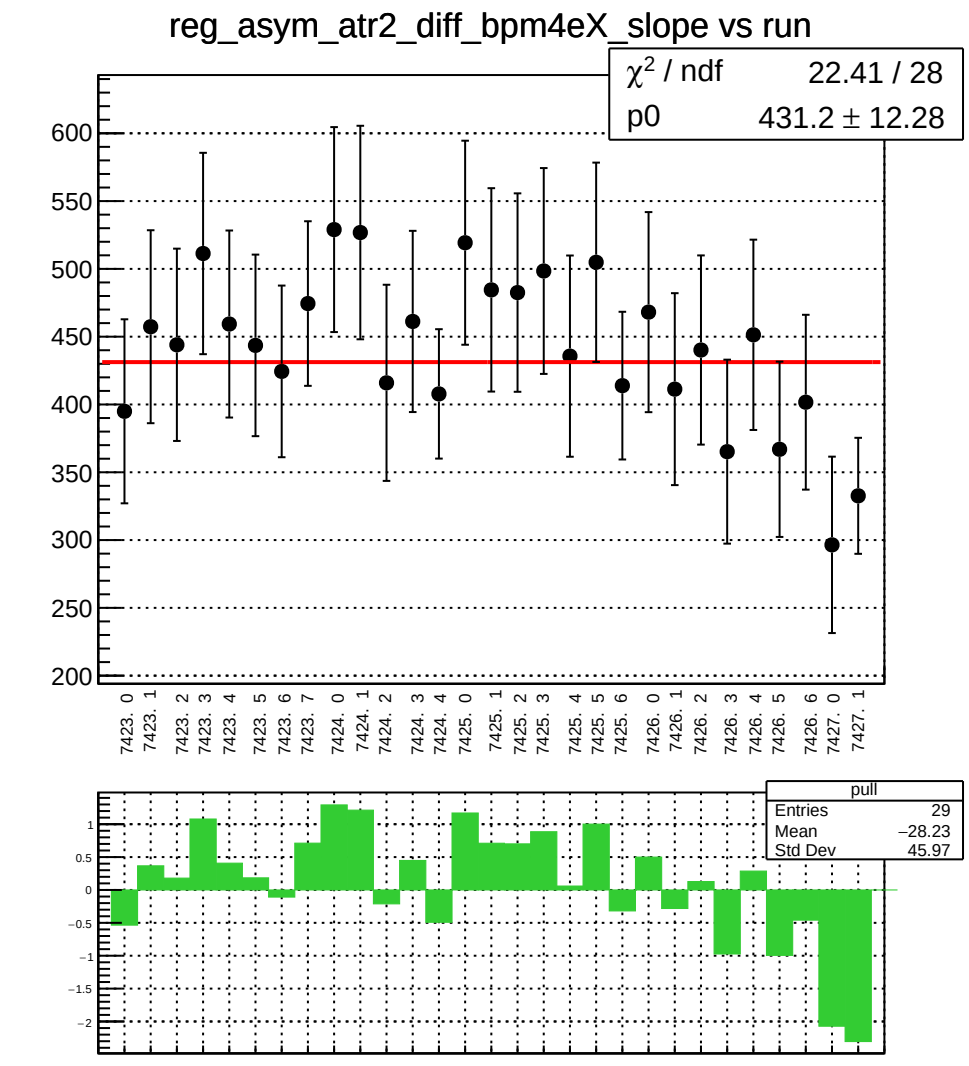

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 43.43 / 28
p0 −17.87 ± 0.175
−12
−14
−16
−18
−20
−22
−24
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −14.76
Std Dev 32.61
3
2
1
0
−1
−2

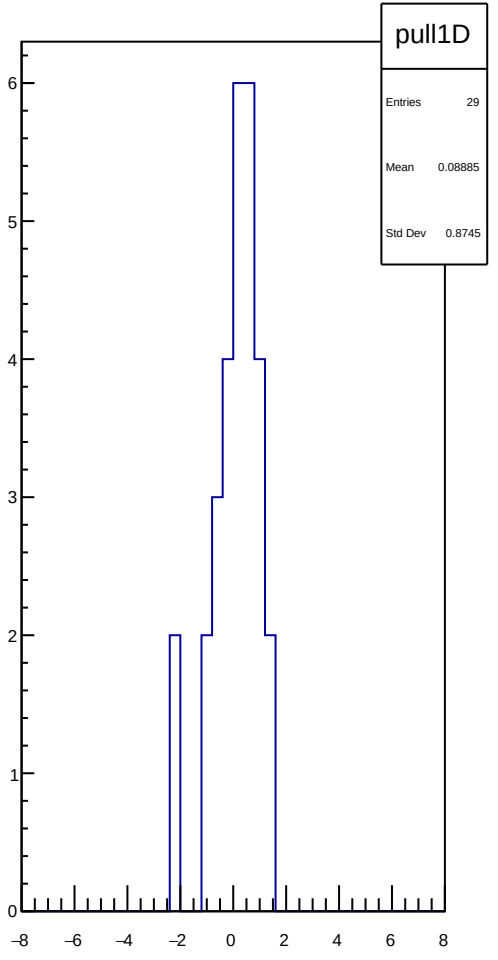

pull1D
Entries 29
Mean −0.06629
Std Dev 1.222
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

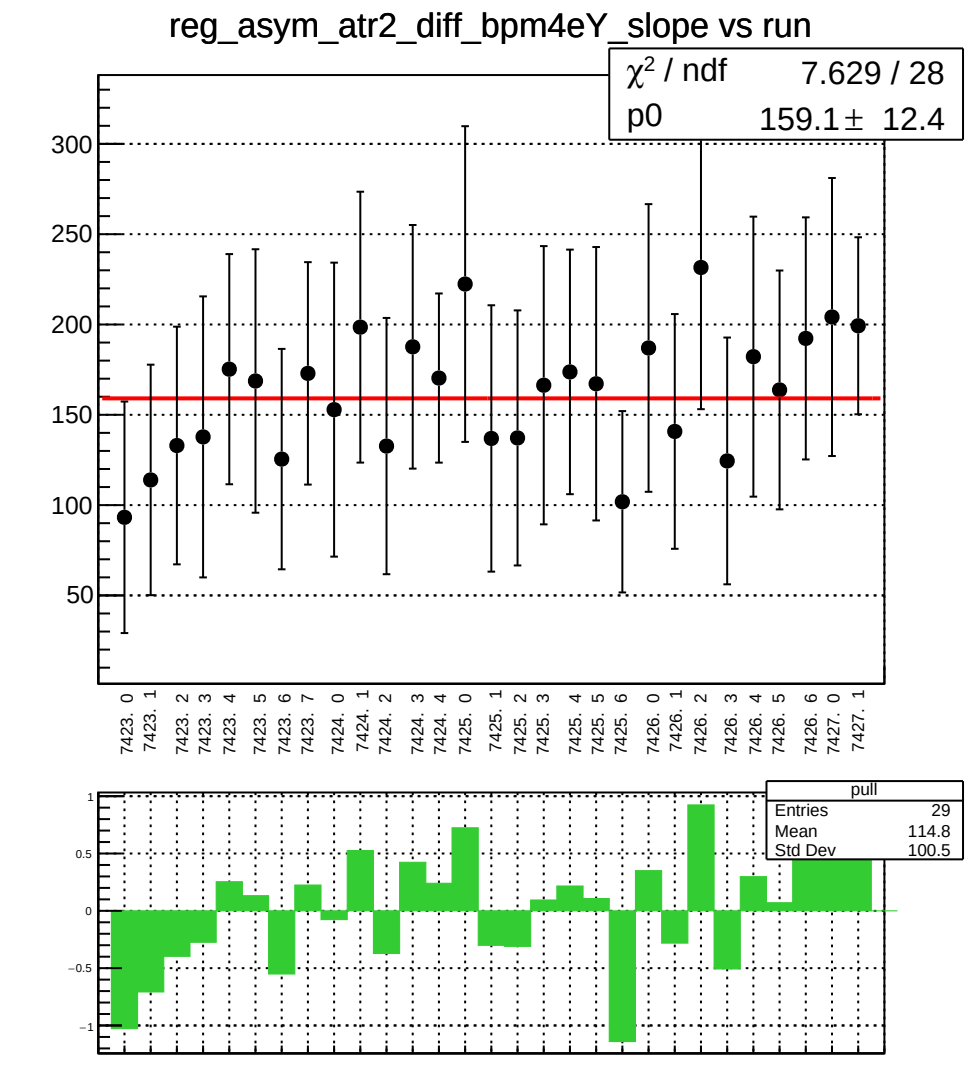

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 21.71 / 28
p0 −323.2 ± 11.77
−150
−200
−250
−300
−350
−400
−450
−500
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −25.5
Std Dev 43.22
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.09024
Std Dev 0.8605
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

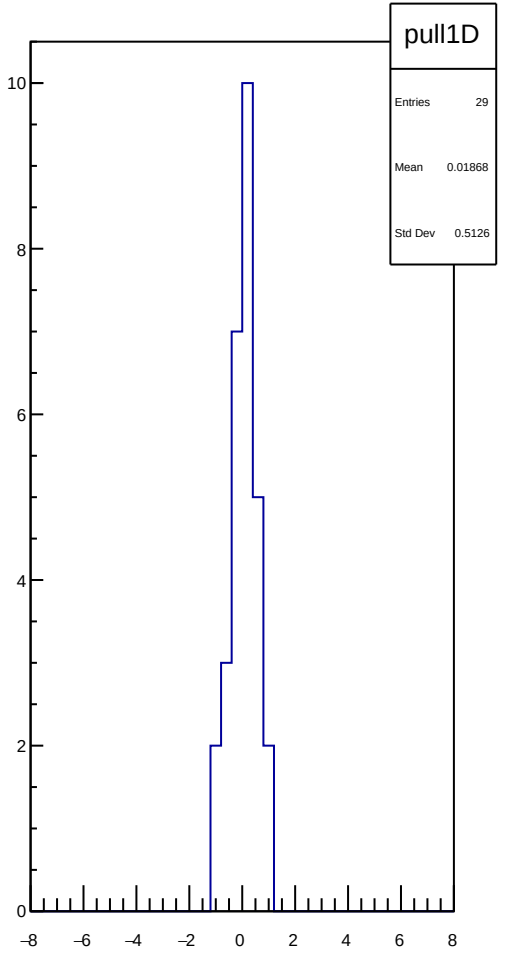

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 9.247 / 28
p0 −39.2 ± 11.54
100
50
0
−50
−100
−150
−200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 84.64
Std Dev 69.94
1
0.5
0
−0.5
−1

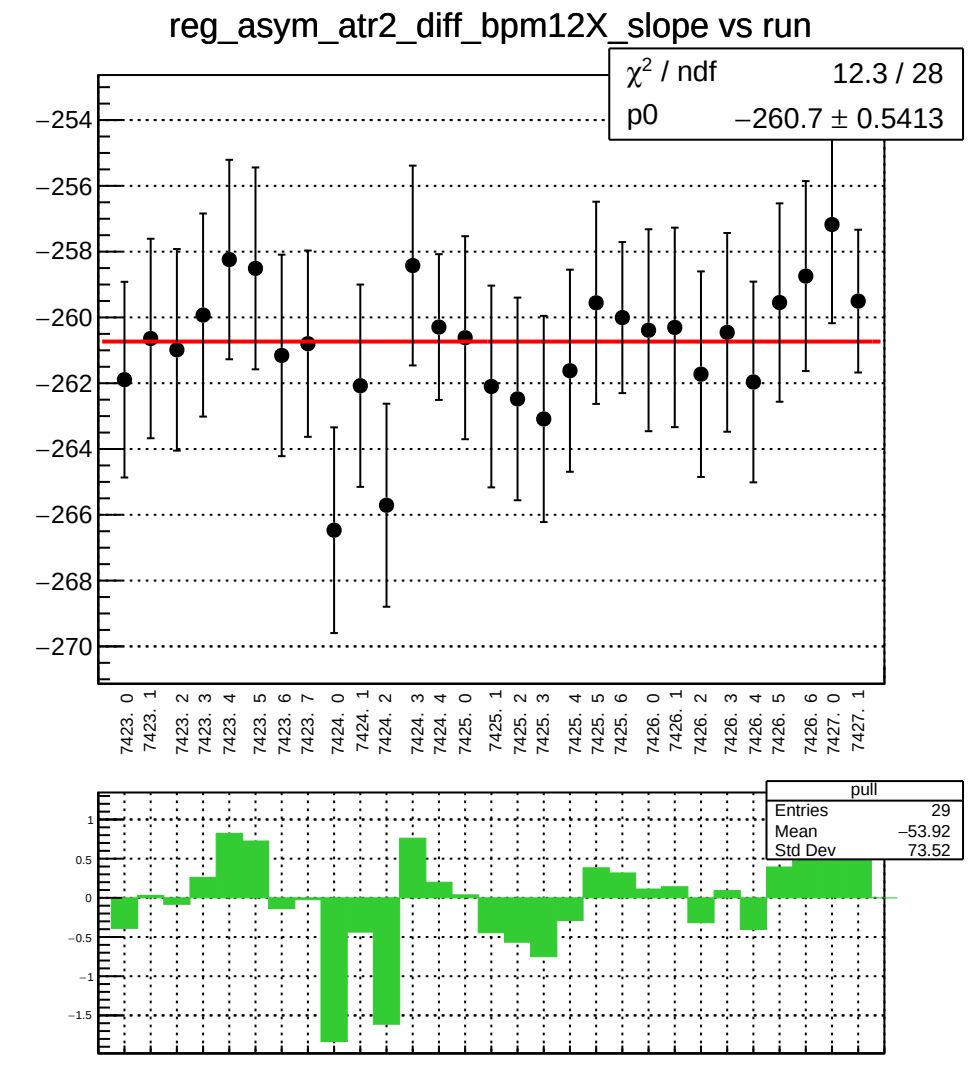

pull1D
Entries 29
Mean −0.03104
Std Dev 0.5638
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

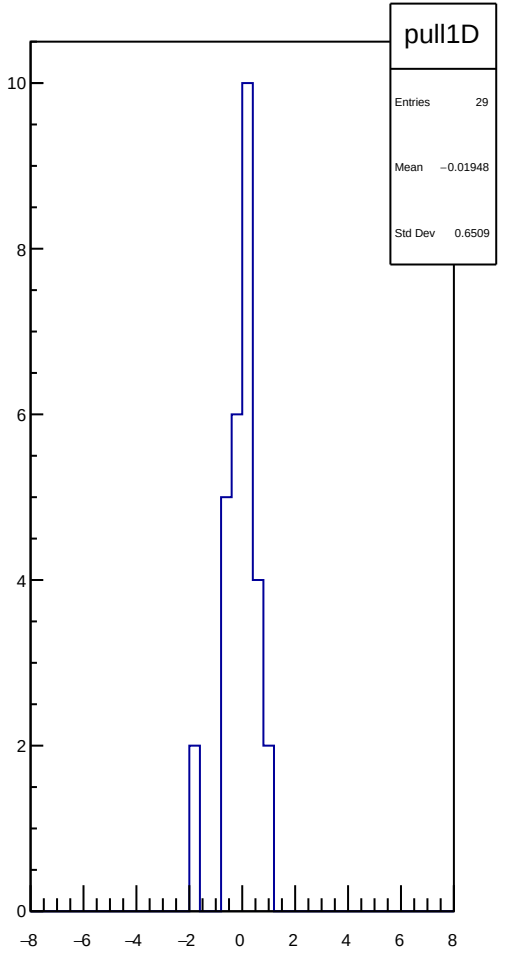

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 22.41 / 28
p0 431.2 ± 12.28
600
550
500
450
400
350
300
250
200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −28.23
Std Dev 45.97
1
0.5
0
−0.5
−1
−1.5
−2

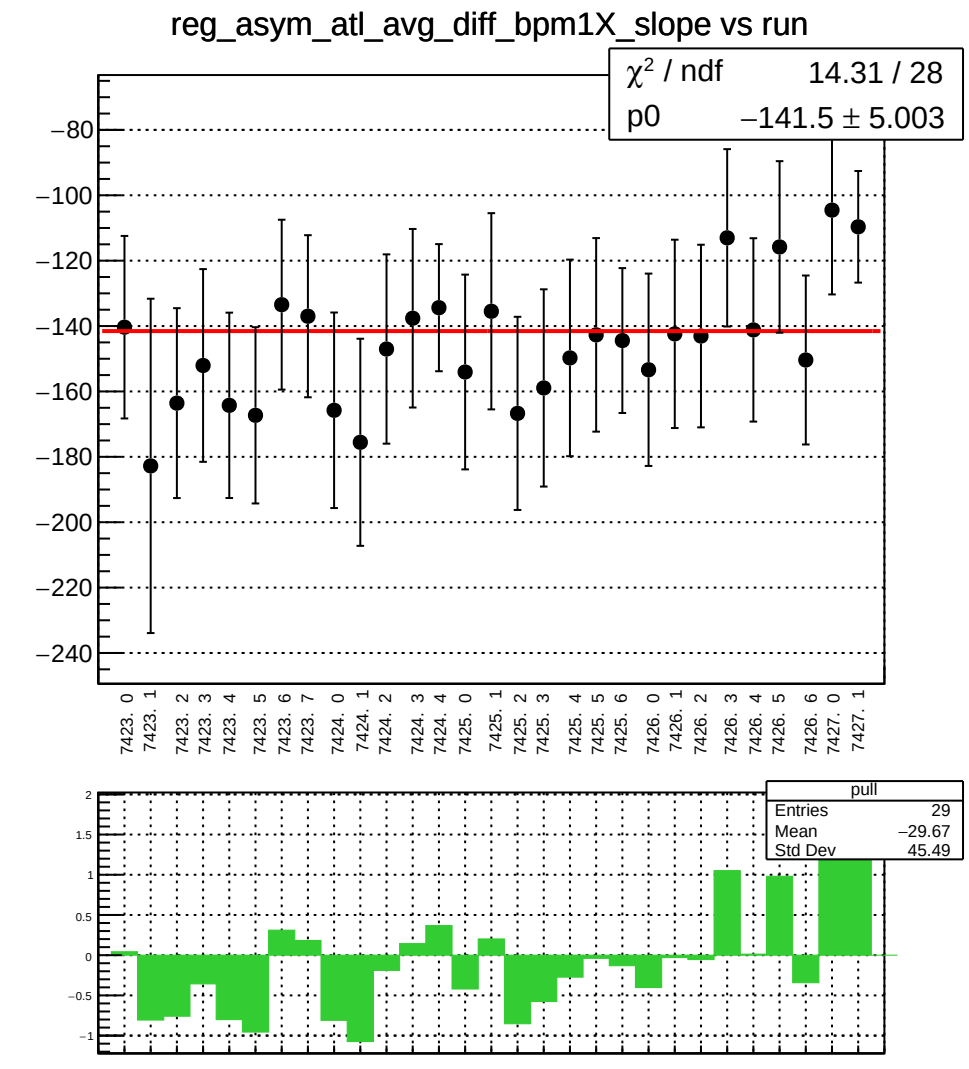

pull1D
Entries 29
Mean 0.08885
Std Dev 0.8745
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

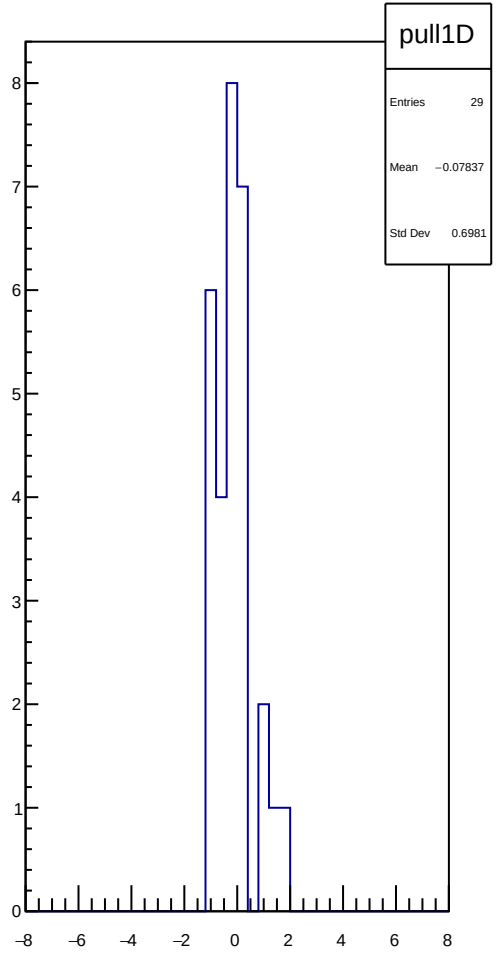

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 7.629 / 28
p0 159.1 ± 12.4
300
250
200
150
100
50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 114.8
Std Dev 100.5
1
0.5
0
−0.5
−1

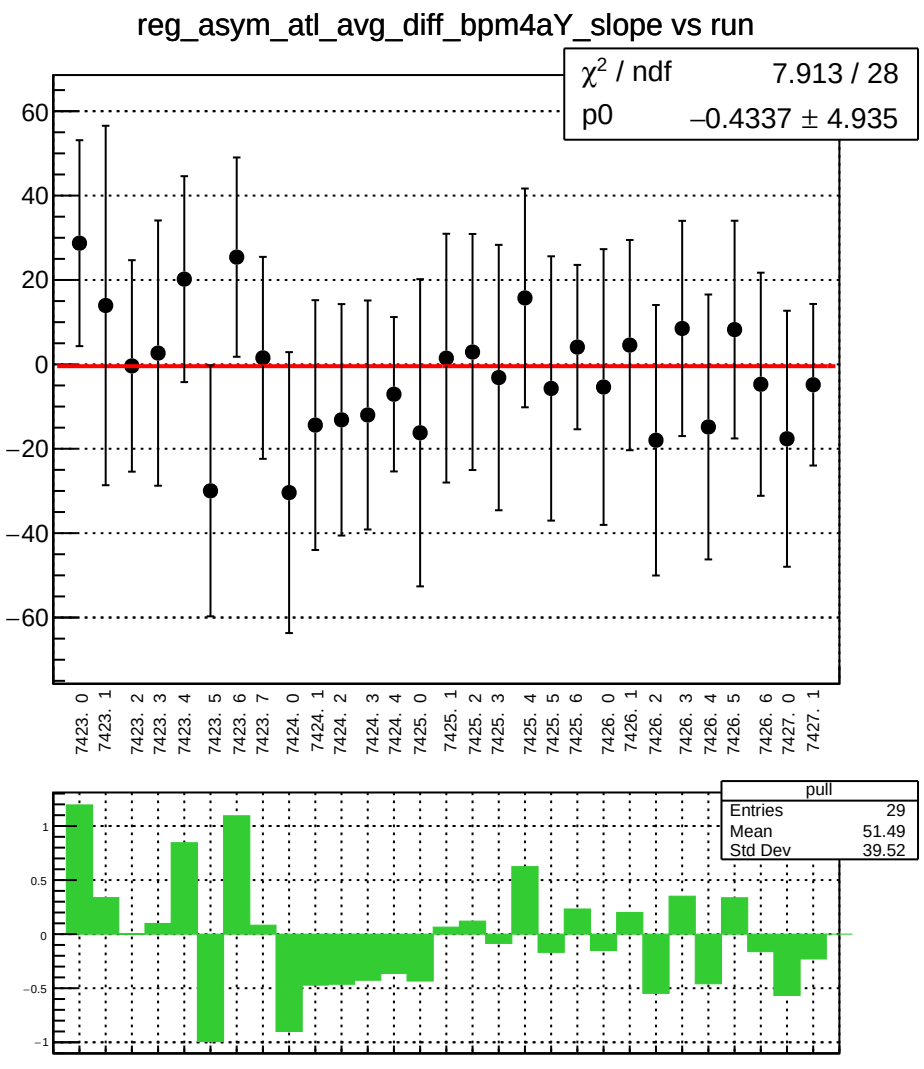

pull1D
Entries 29
Mean 0.01868
Std Dev 0.5126
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

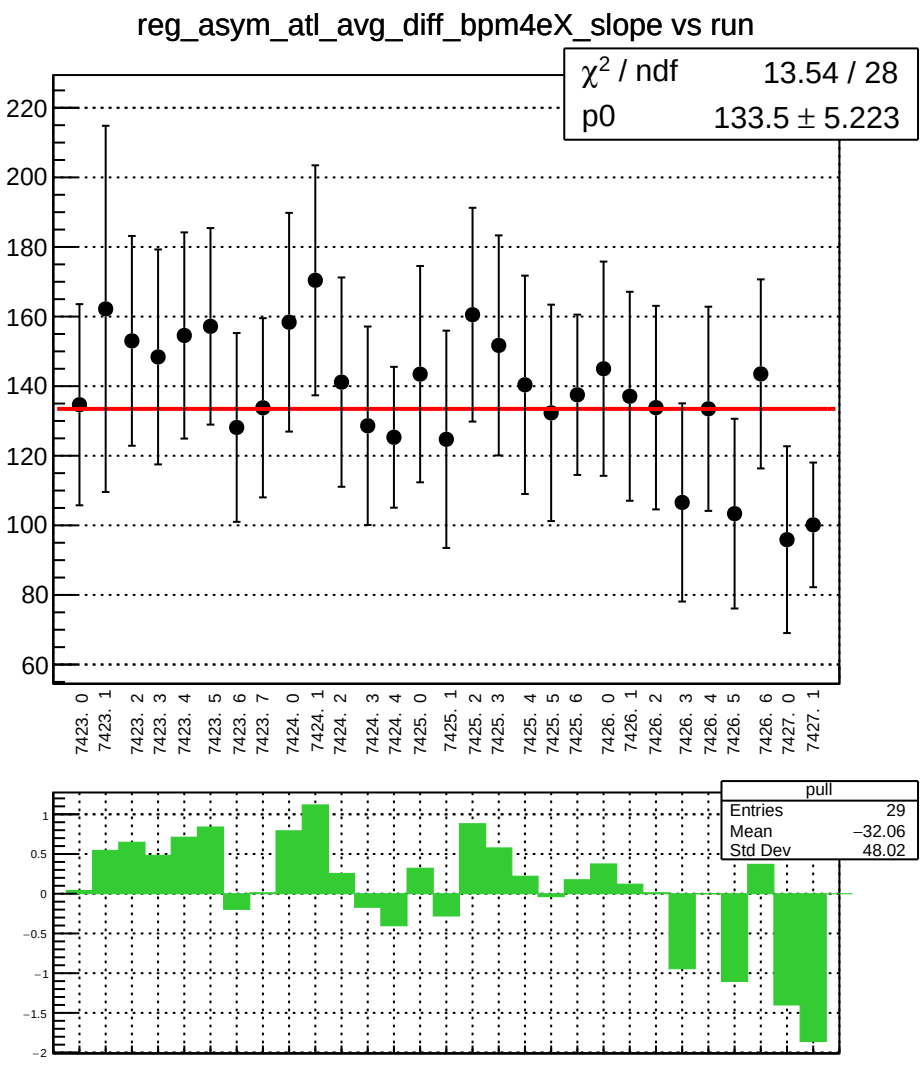

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 12.3 / 28
p0 −260.7 ± 0.5413
−254
−256
−258
−260
−262
−264
−266
−268
−270
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −53.92
Std Dev 73.52
1
0.5
0
−0.5
−1
−1.5

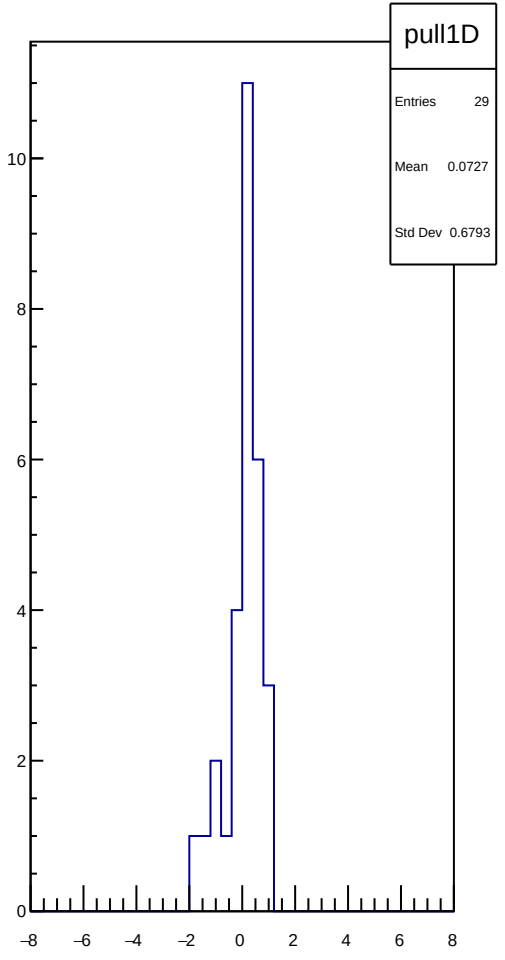

pull1D
Entries 29
Mean −0.01948
Std Dev 0.6509
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

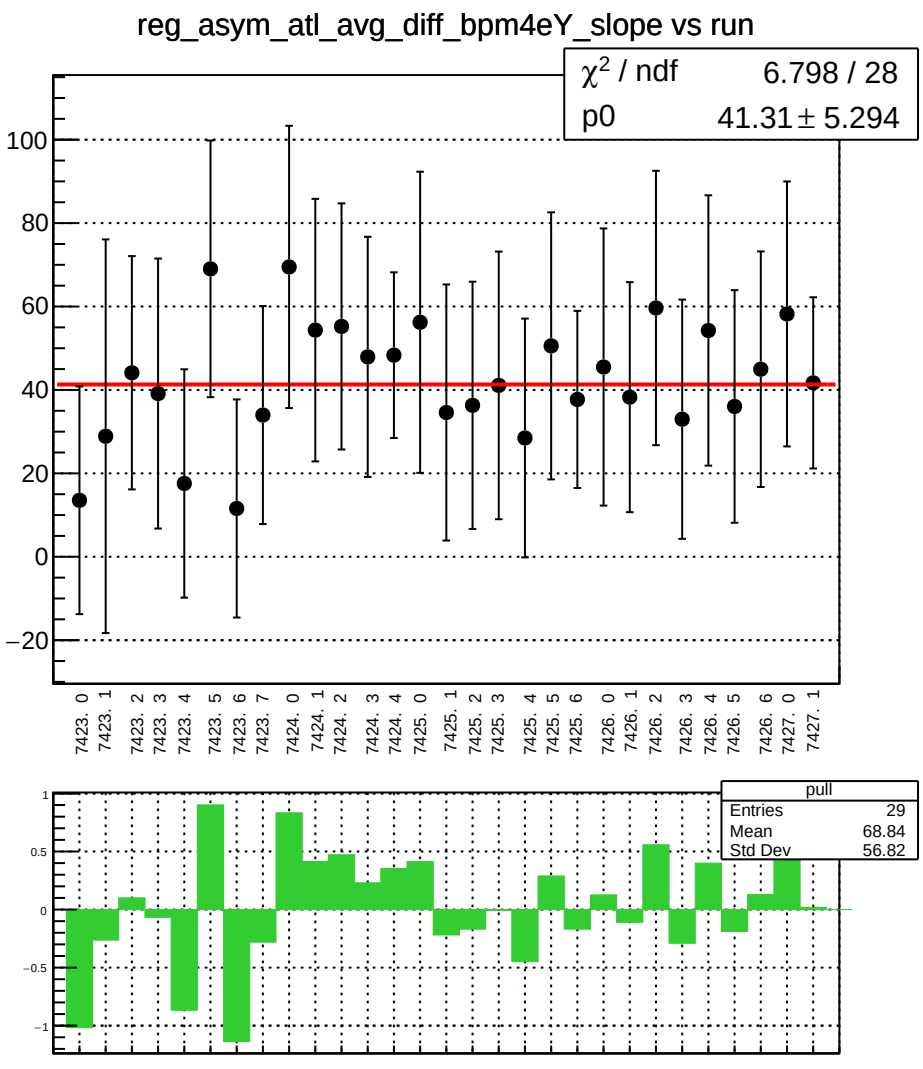

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 14.31 / 28
p0 −141.5 ± 5.003
pull
Entries 29
Mean −29.67
Std Dev 45.49

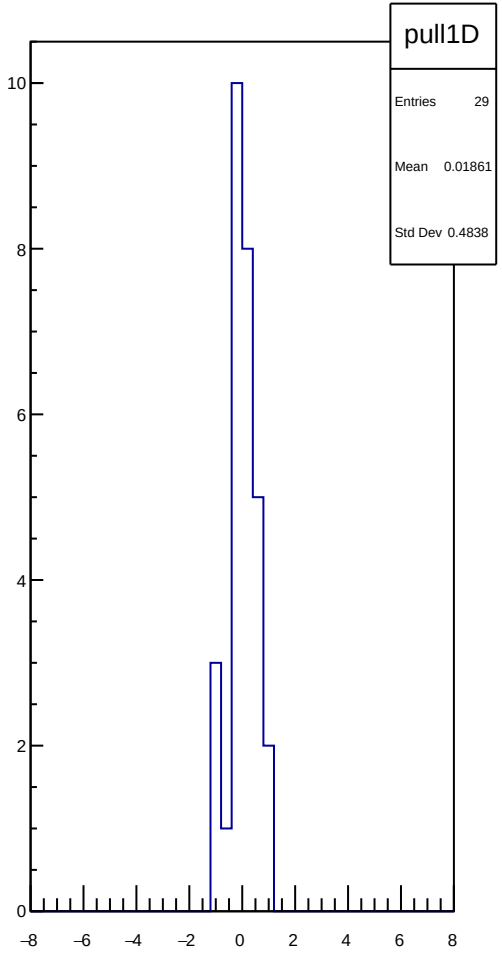

pull1D
Entries 29
Mean −0.07837
Std Dev 0.6981

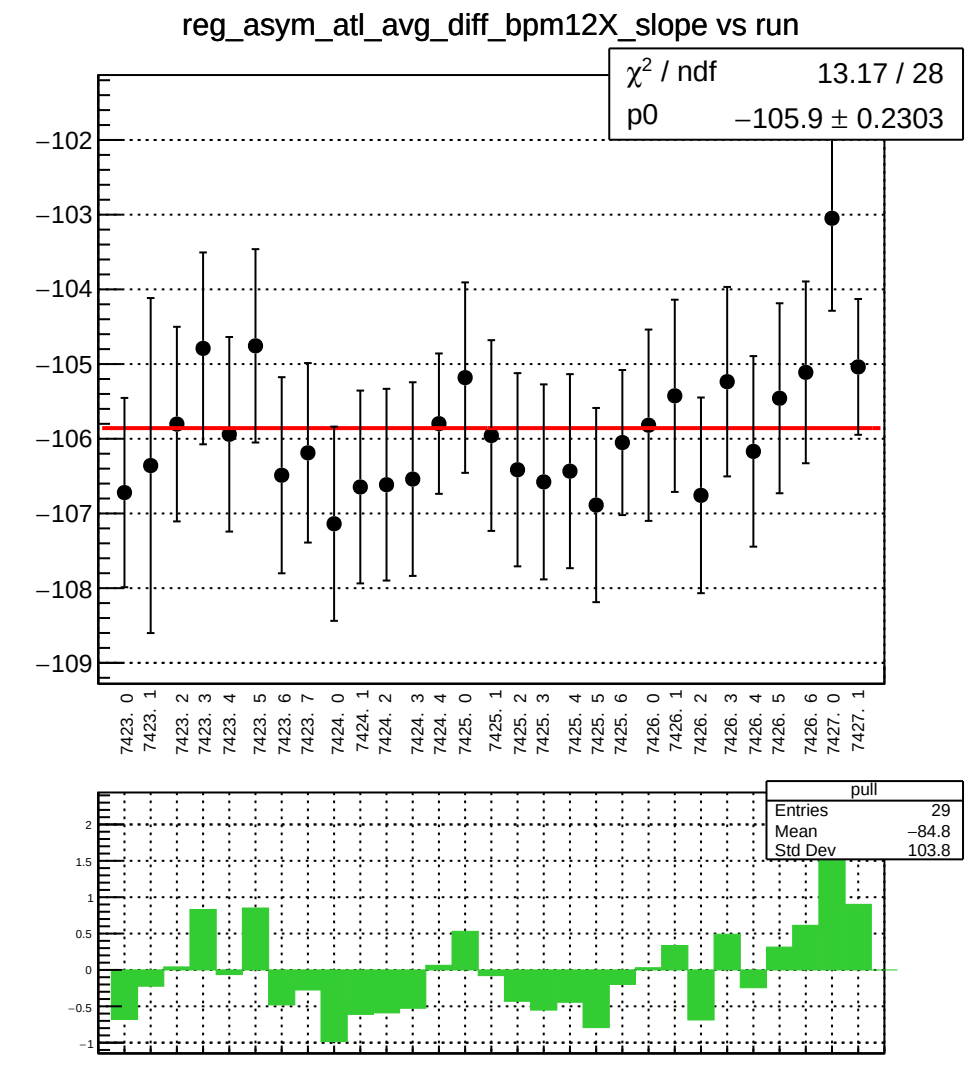

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.913 / 28
p0 −0.4337 ± 4.935
60
40
20
0
−20
−40
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 51.49
Std Dev 39.52
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.02878
Std Dev 0.5216
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

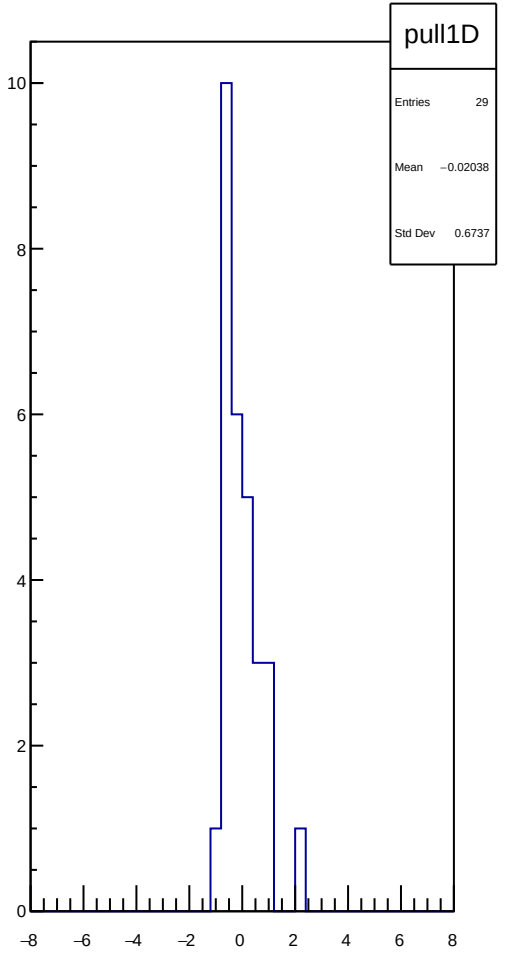

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.54 / 28
p0 133.5 ± 5.223
220
200
180
160
140
120
100
80
60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −32.06
Std Dev 48.02
1
0.5
0
−0.5
−1
−1.5
−2

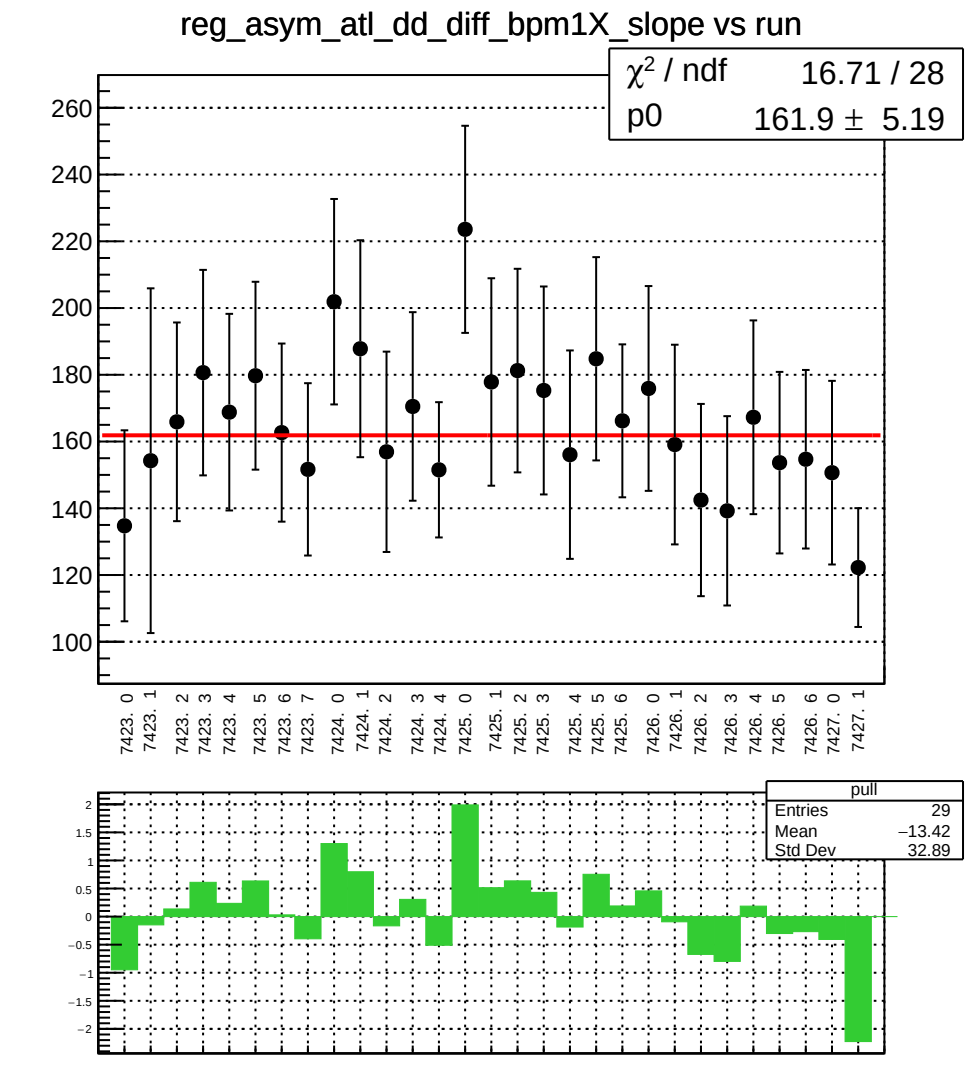

pull1D
Entries 29
Mean 0.0727
Std Dev 0.6793
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

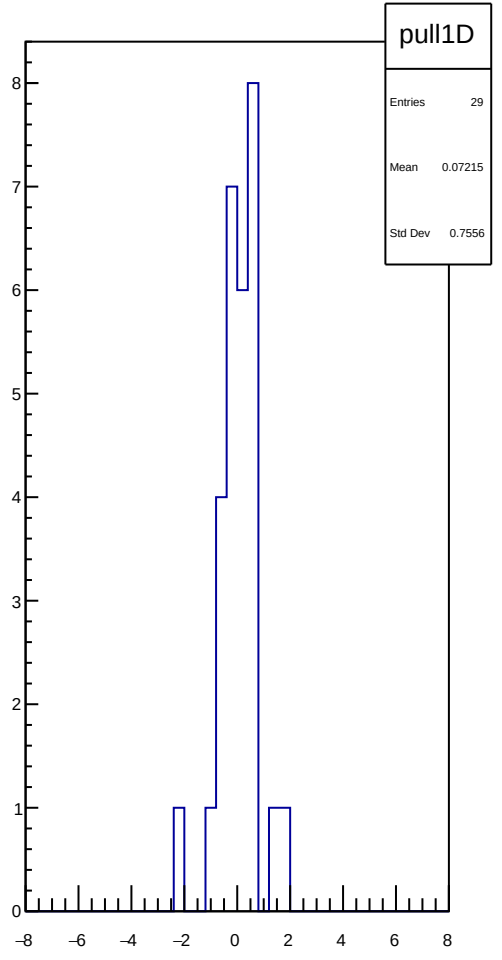

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.798 / 28
p0 41.31 ± 5.294
100
80
60
40
20
0
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 68.84
Std Dev 56.82
1
0.5
0
−0.5
−1

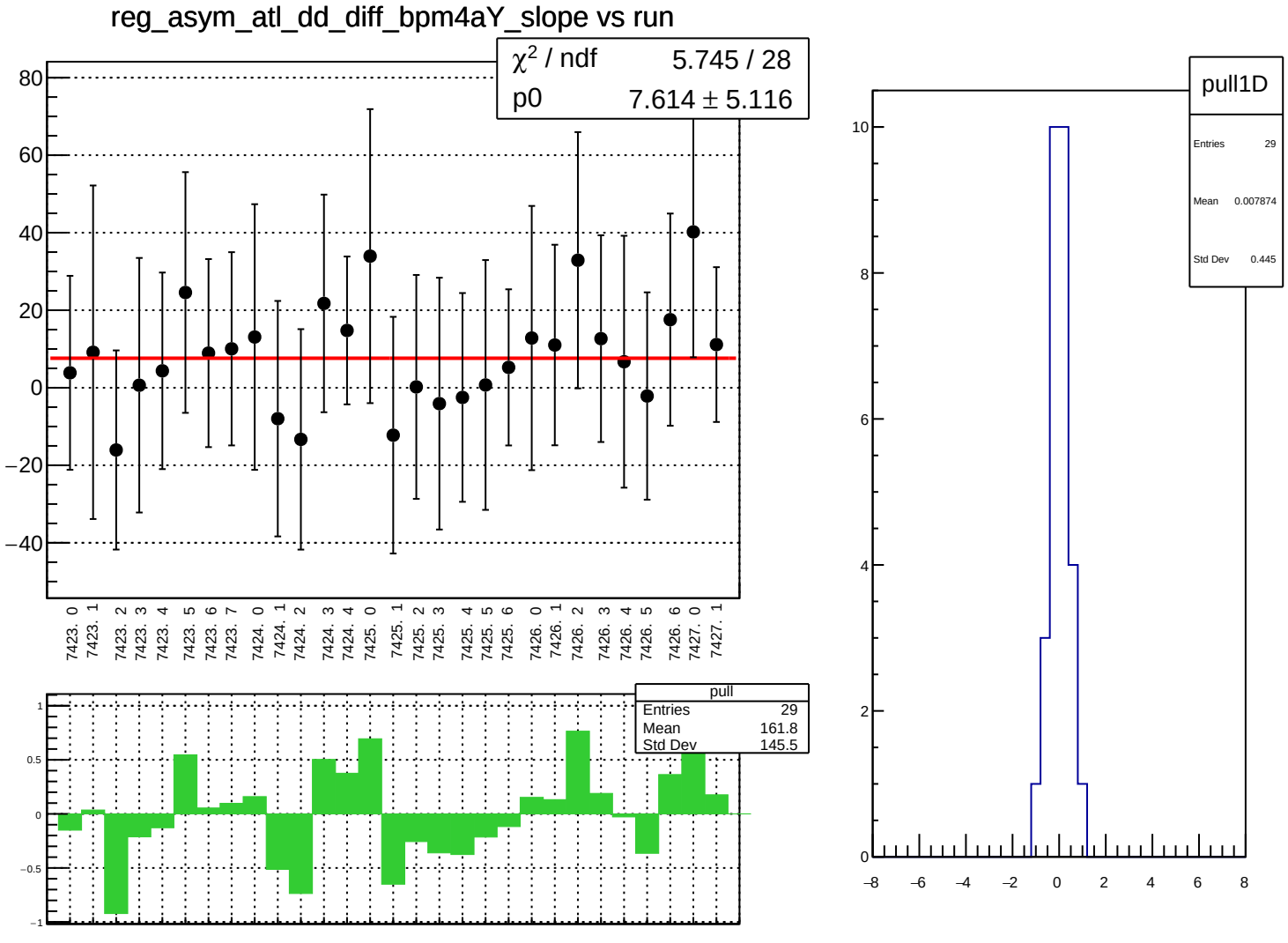

pull1D
Entries 29
Mean 0.01861
Std Dev 0.4838
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

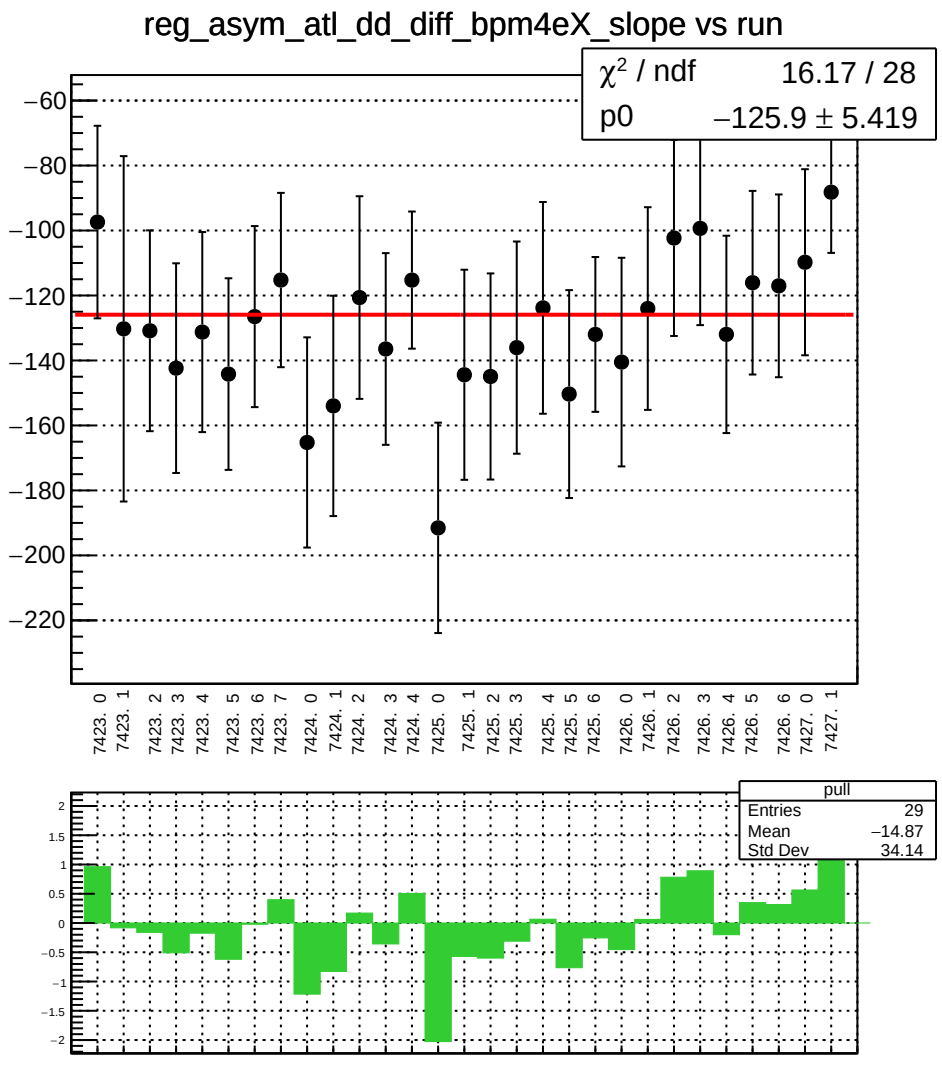

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 13.17 / 28
p0 −105.9 ± 0.2303
−102
−103
−104
−105
−106
−107
−108
−109
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −84.8
Std Dev 103.8
2
1.5
1
0.5
0
−0.5
−1

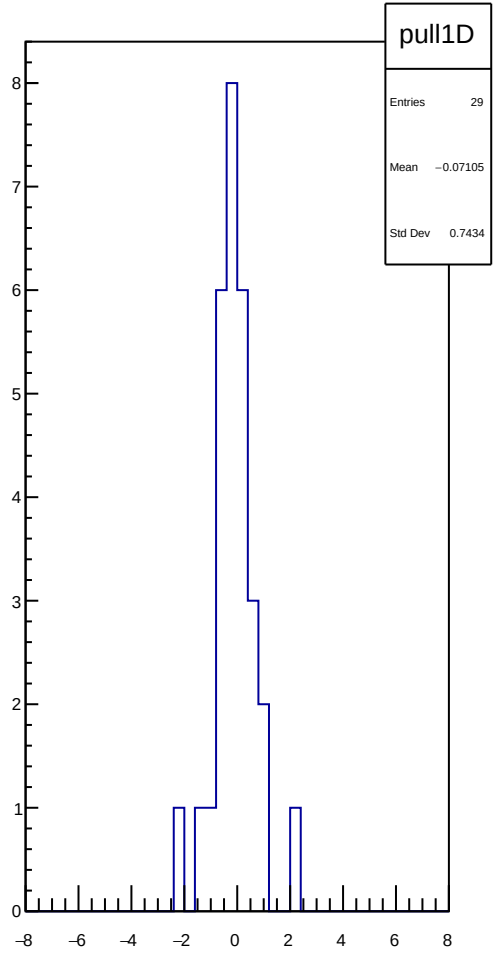

pull1D
Entries 29
Mean −0.02038
Std Dev 0.6737
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

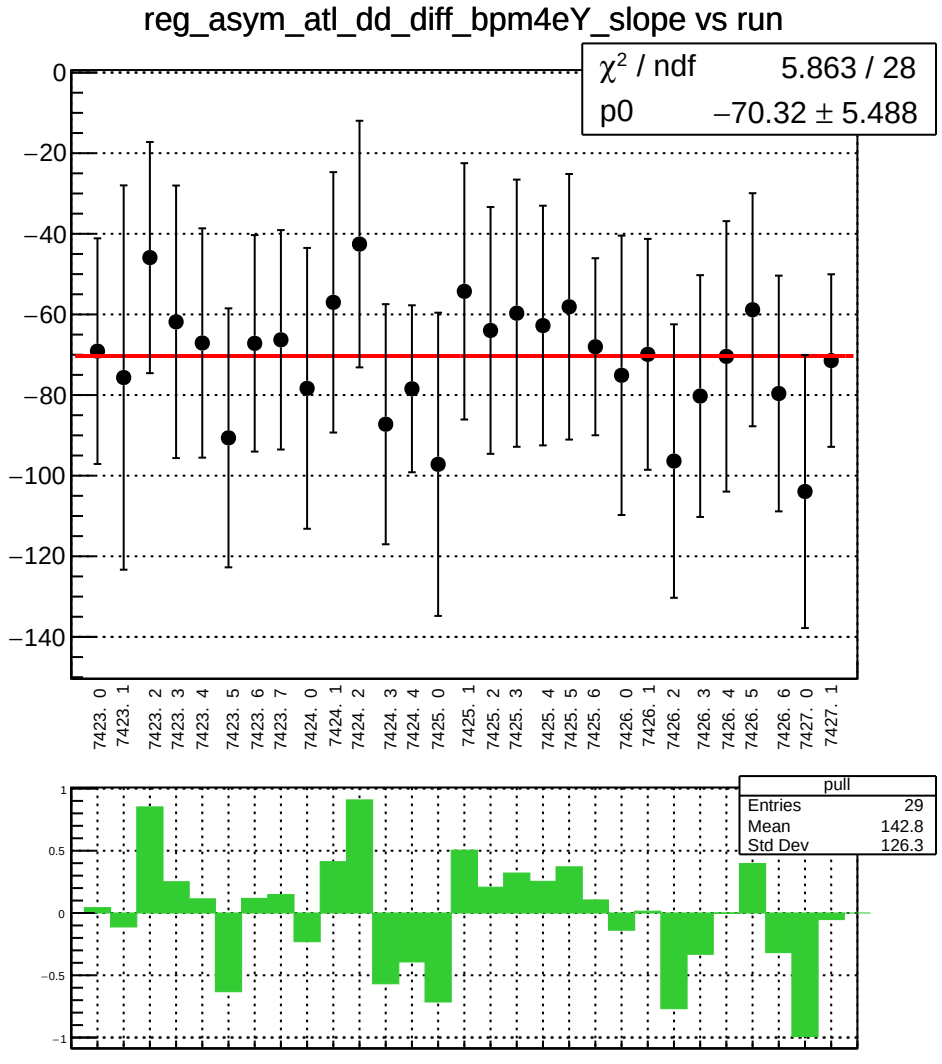

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 16.71 / 28
p0 161.9 ± 5.19
260
240
220
200
180
160
140
120
100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −13.42
Std Dev 32.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

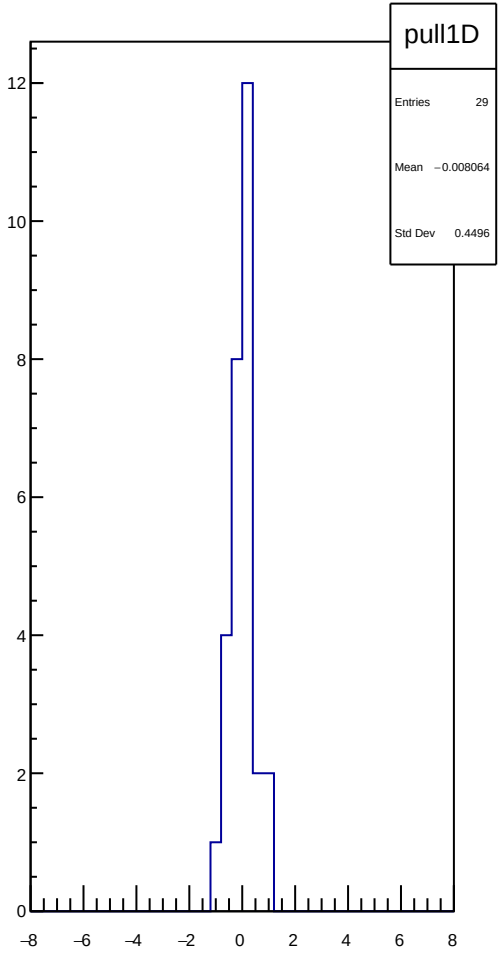

pull1D
Entries 29
Mean 0.07215
Std Dev 0.7556
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

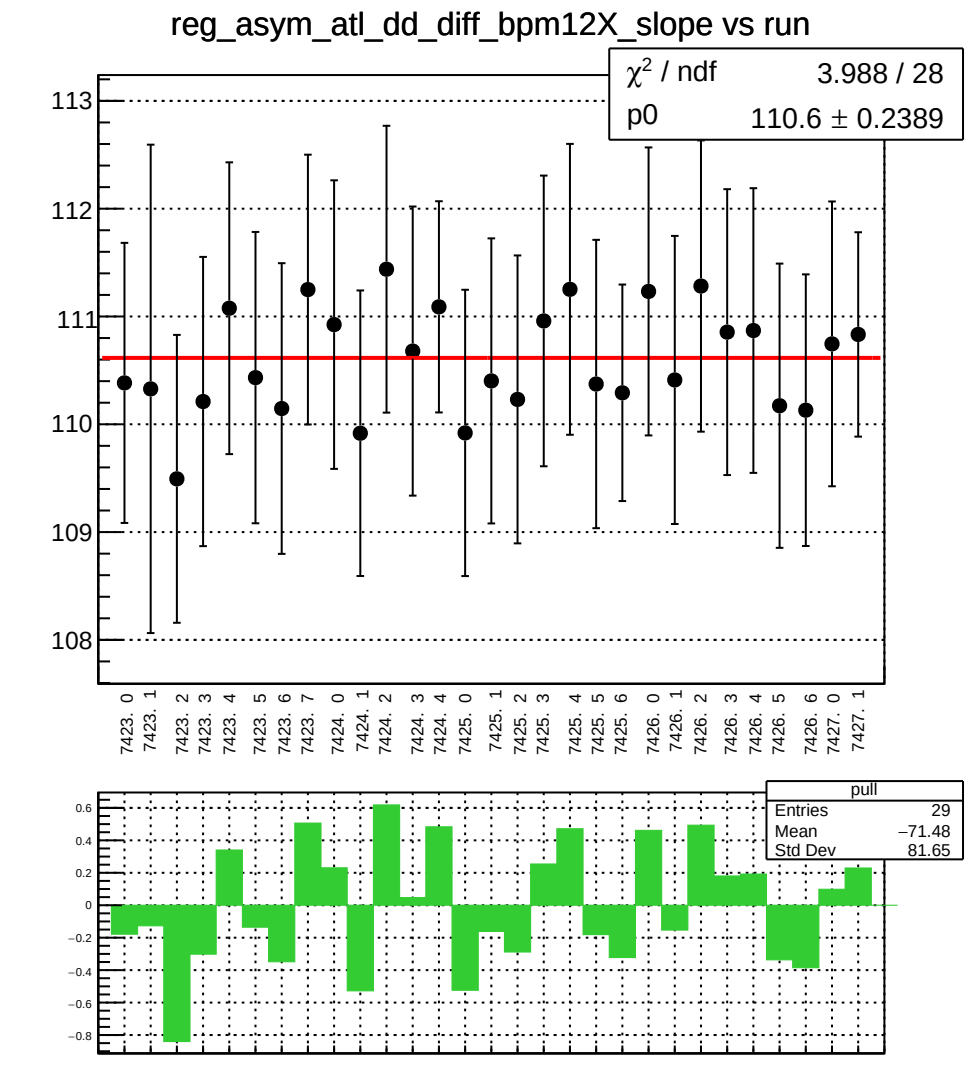

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.745 / 28
p0 7.614 ± 5.116
80
60
40
20
0
−20
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 161.8
Std Dev 145.5
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.007874
Std Dev 0.445
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

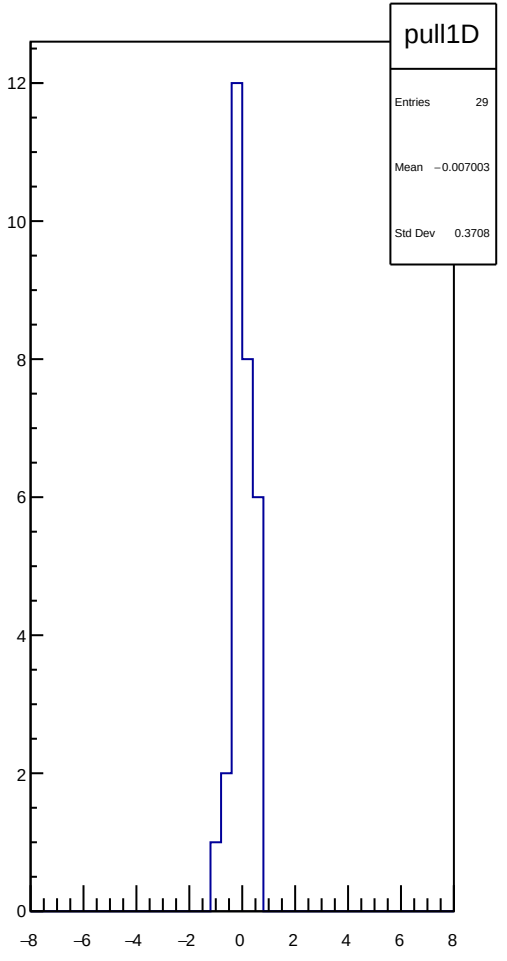

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.17 / 28
p0 −125.9 ± 5.419
pull
Entries 29
Mean −14.87
Std Dev 34.14

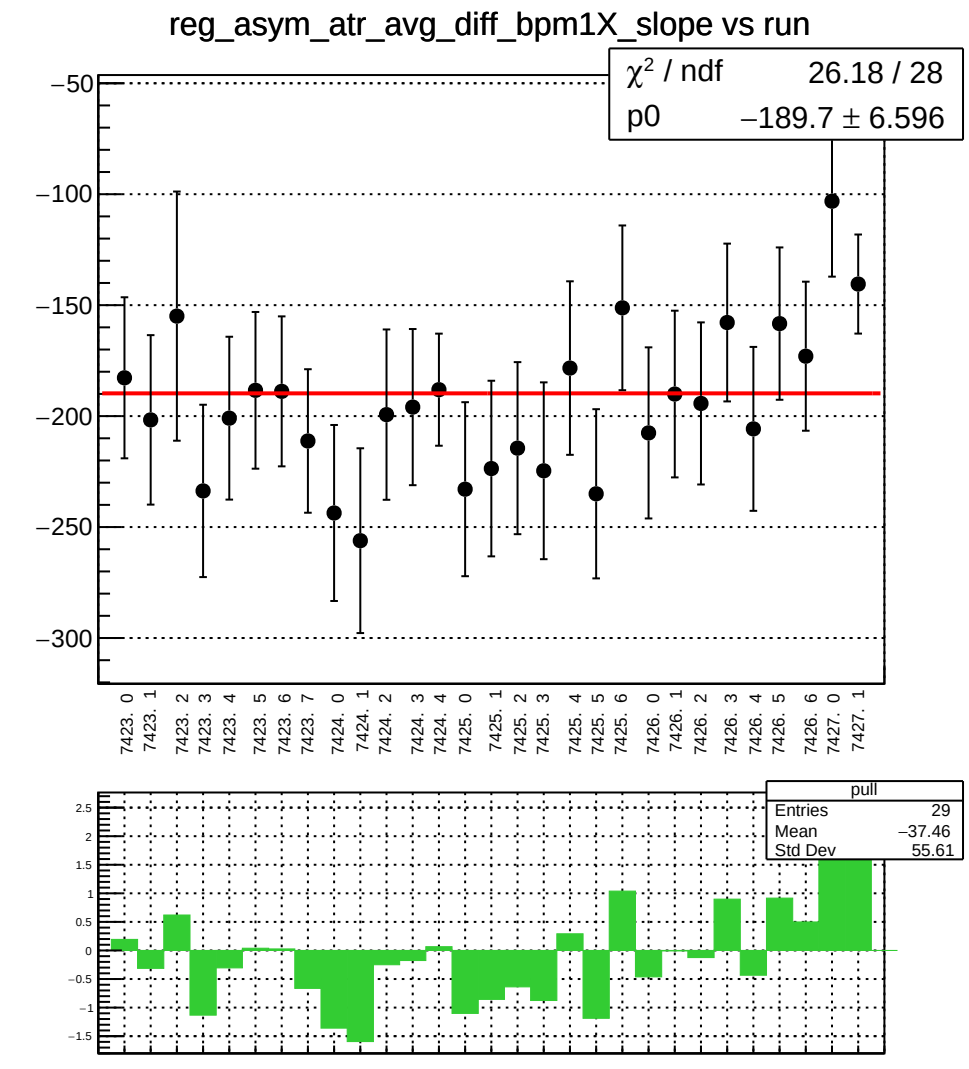

pull1D
Entries 29
Mean −0.07105
Std Dev 0.7434

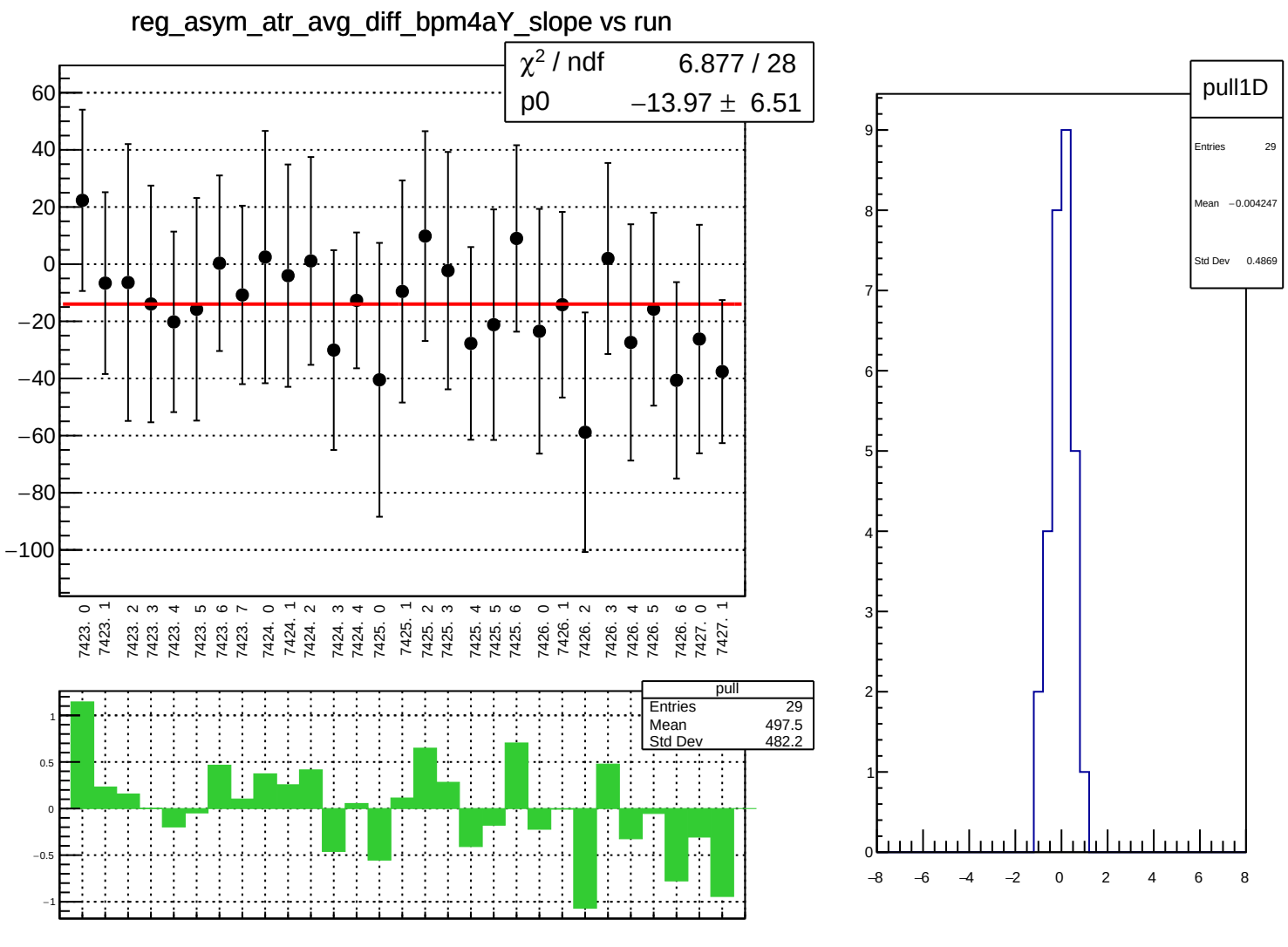

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.863 / 28
p0 −70.32 ± 5.488
0
−20
−40
−60
−80
−100
−120
−140
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 142.8
Std Dev 126.3
1
0.5
0
−0.5
−1

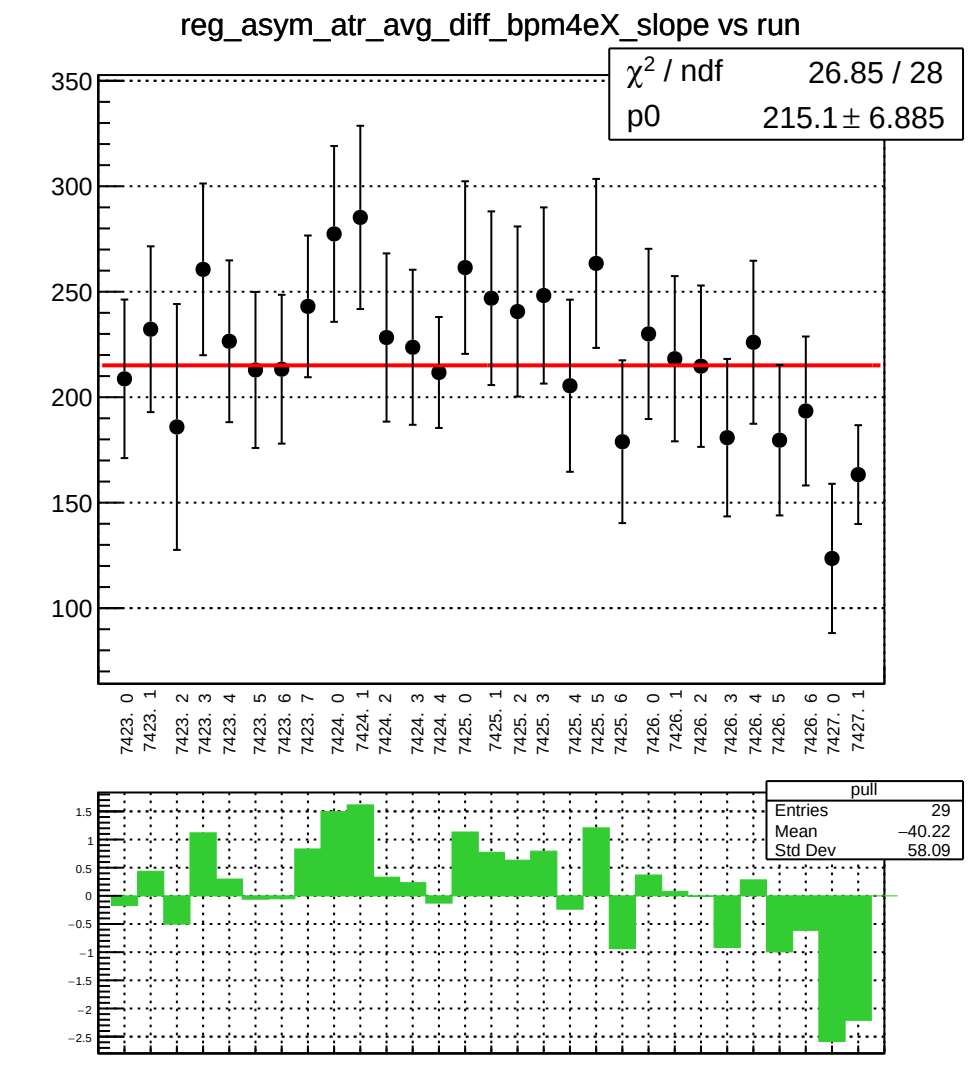

pull1D
Entries 29
Mean −0.008064
Std Dev 0.4496
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

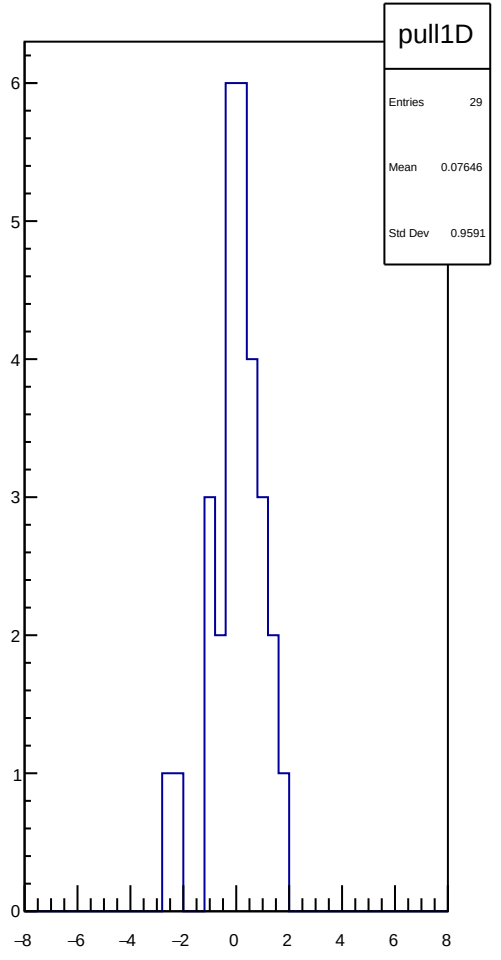

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 3.988 / 28
p0 110.6 ± 0.2389
113
112
111
110
109
108
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −71.48
Std Dev 81.65
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

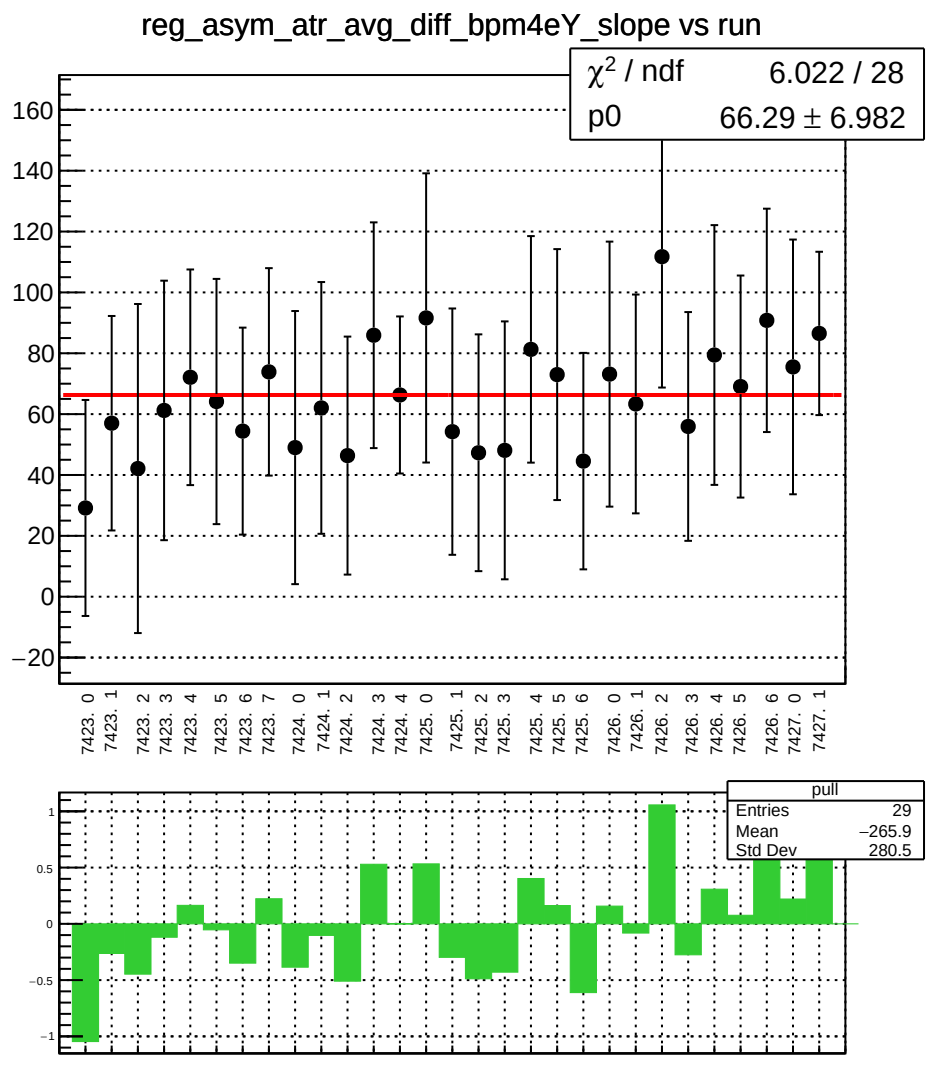

pull1D
Entries 29
Mean −0.007003
Std Dev 0.3708
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

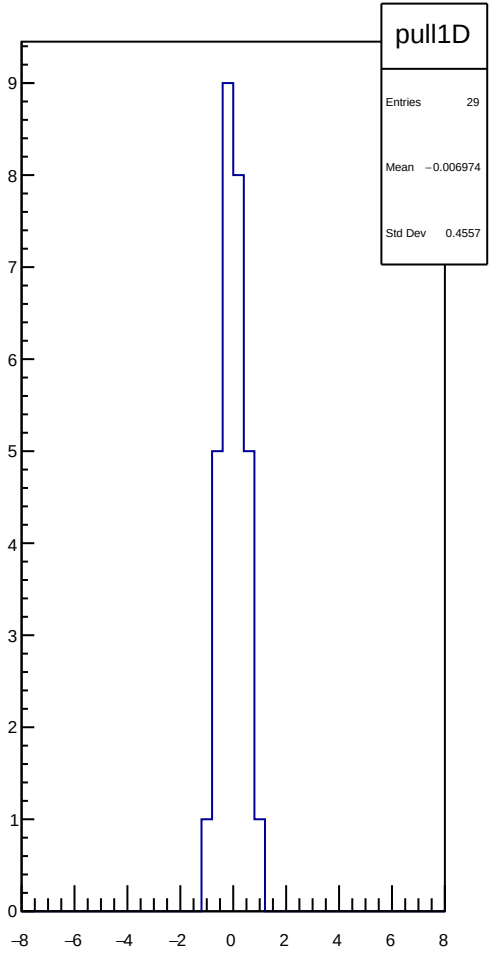

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 26.18 / 28
p0 −189.7 ± 6.596
−50
−100
−150
−200
−250
−300
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −37.46
Std Dev 55.61
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.07369
Std Dev 0.9473
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

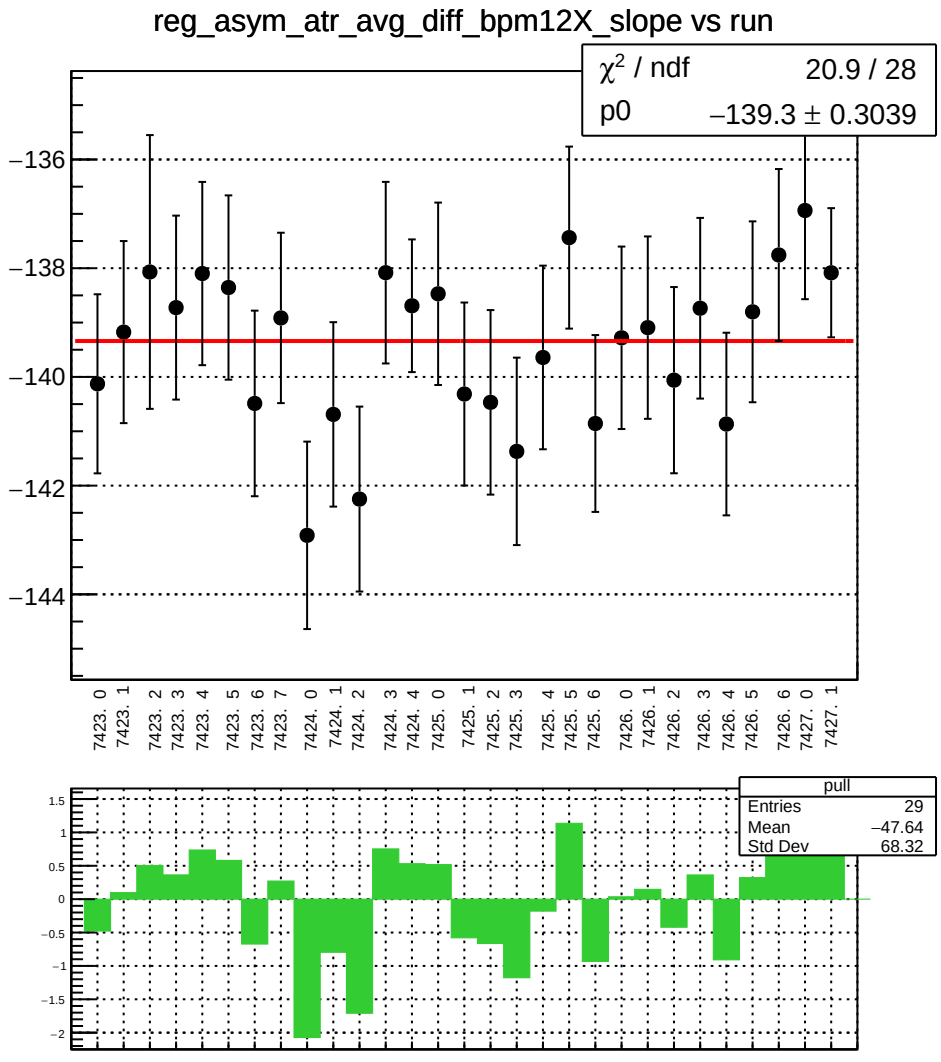

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.877 / 28
p0 −13.97 ± 6.51
60
40
20
0
−20
−40
−60
−80
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 497.5
Std Dev 482.2
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.004247
Std Dev 0.4869
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

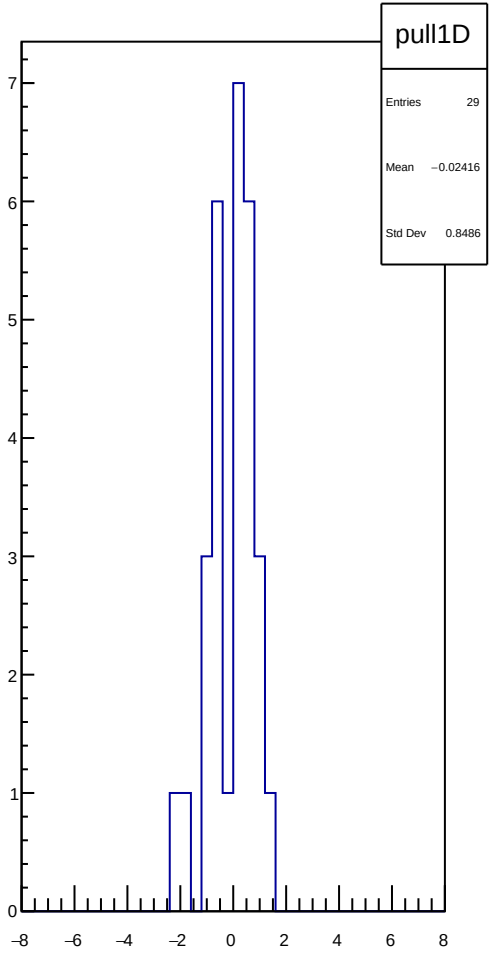

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.85 / 28
p0 215.1 ± 6.885
350
300
250
200
150
100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −40.22
Std Dev 58.09
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

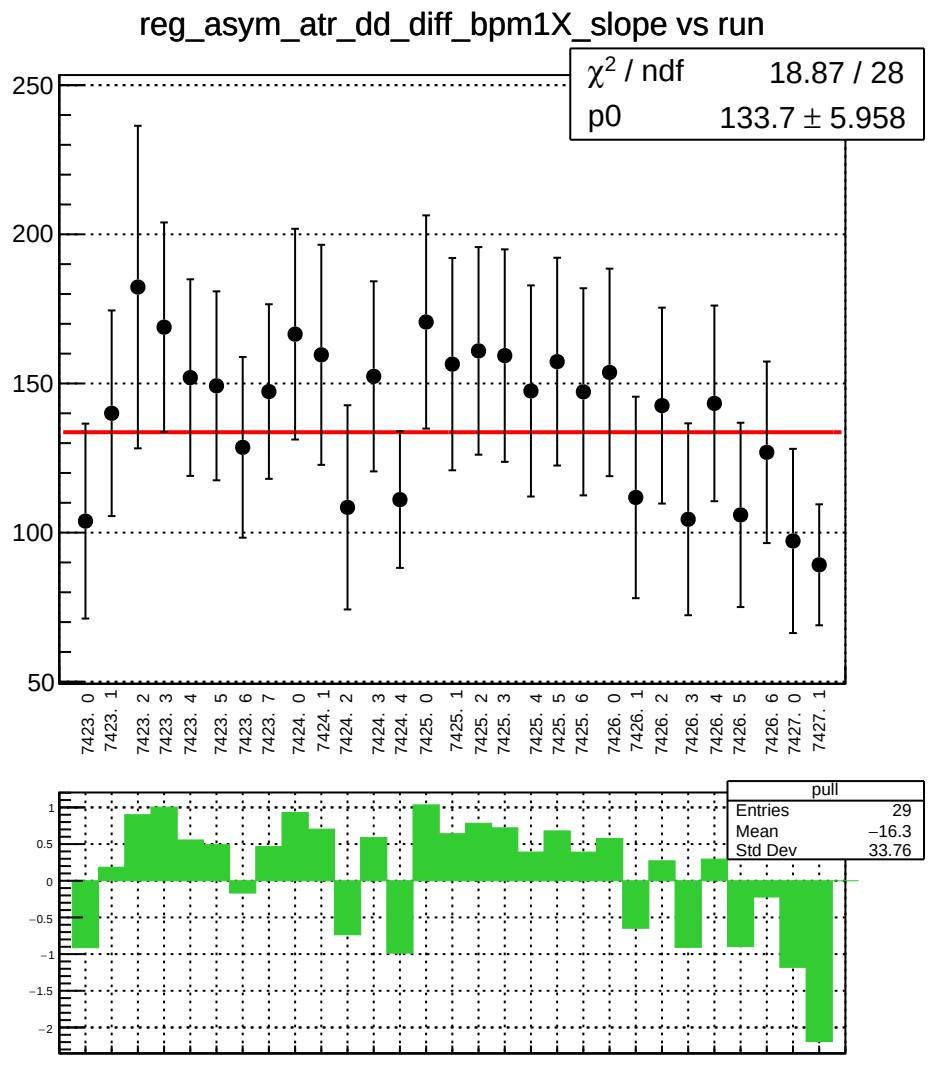

pull1D
Entries 29
Mean 0.07646
Std Dev 0.9591
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

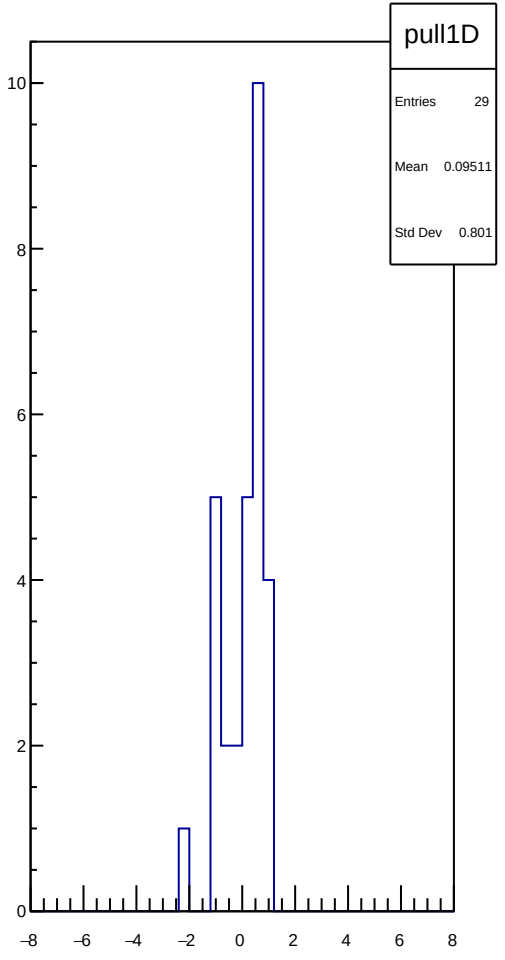

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.022 / 28
p0 66.29 ± 6.982
160
140
120
100
80
60
40
20
0
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −265.9
Std Dev 280.5
1
0.5
0
−0.5
−1

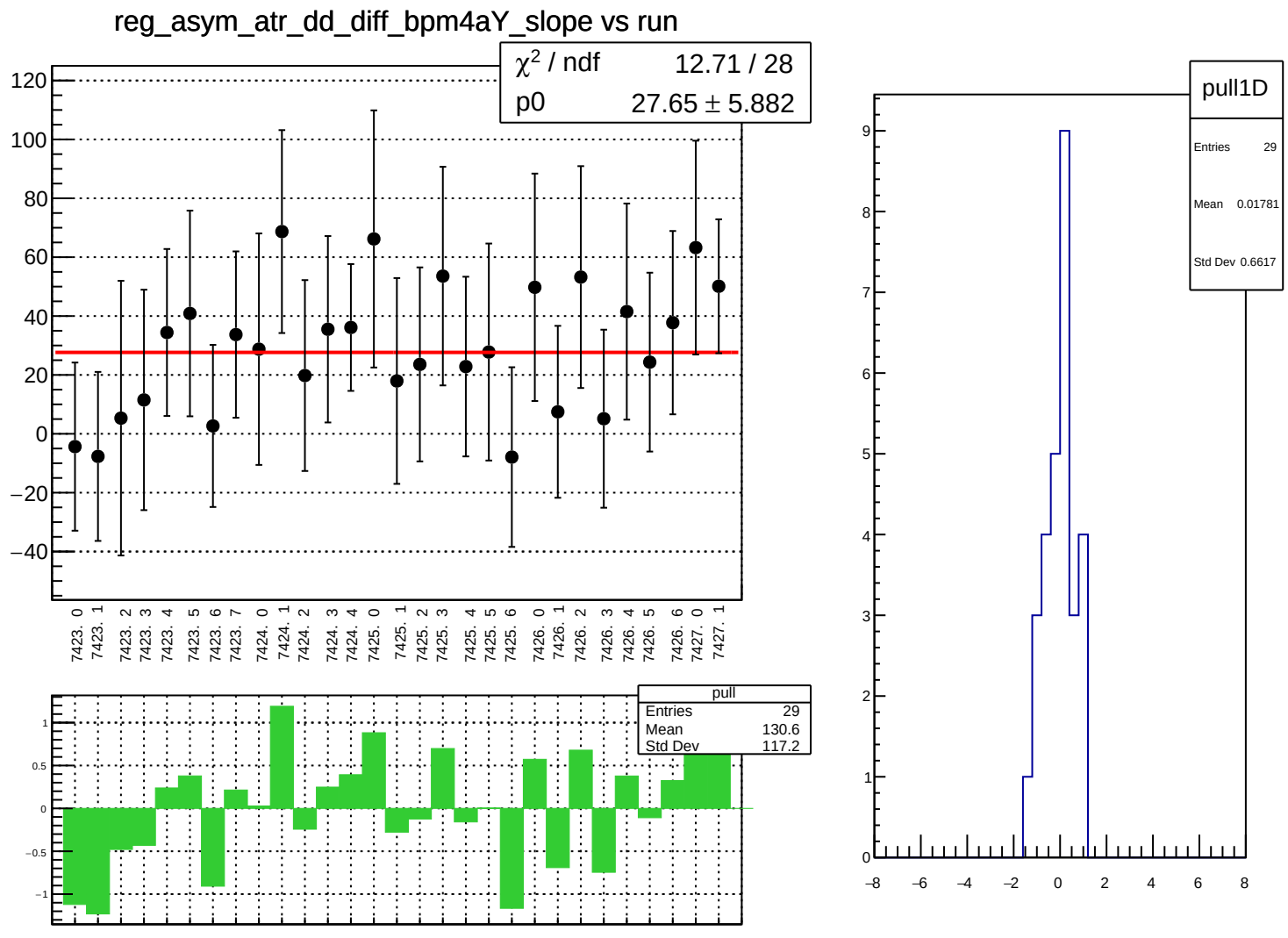

pull1D
Entries 29
Mean −0.006974
Std Dev 0.4557
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

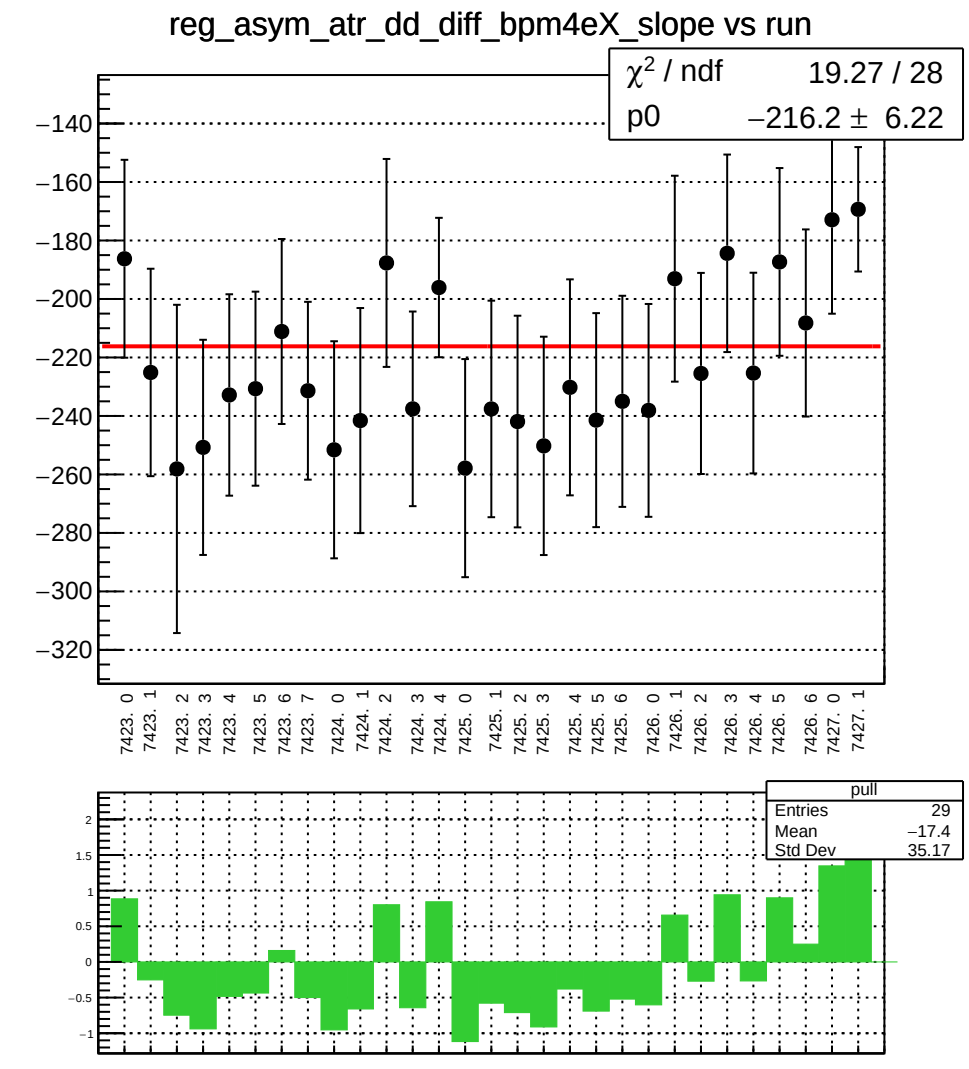

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 20.9 / 28
p0 −139.3 ± 0.3039
−136
−138
−140
−142
−144
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −47.64
Std Dev 68.32
1.5
1
0.5
0
−0.5
−1
−1.5
−2

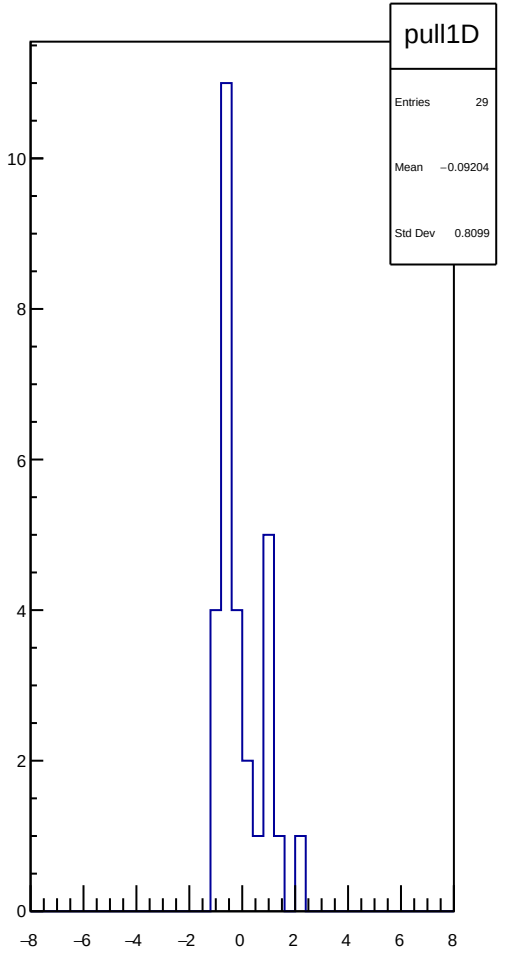

pull1D
Entries 29
Mean −0.02416
Std Dev 0.8486
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

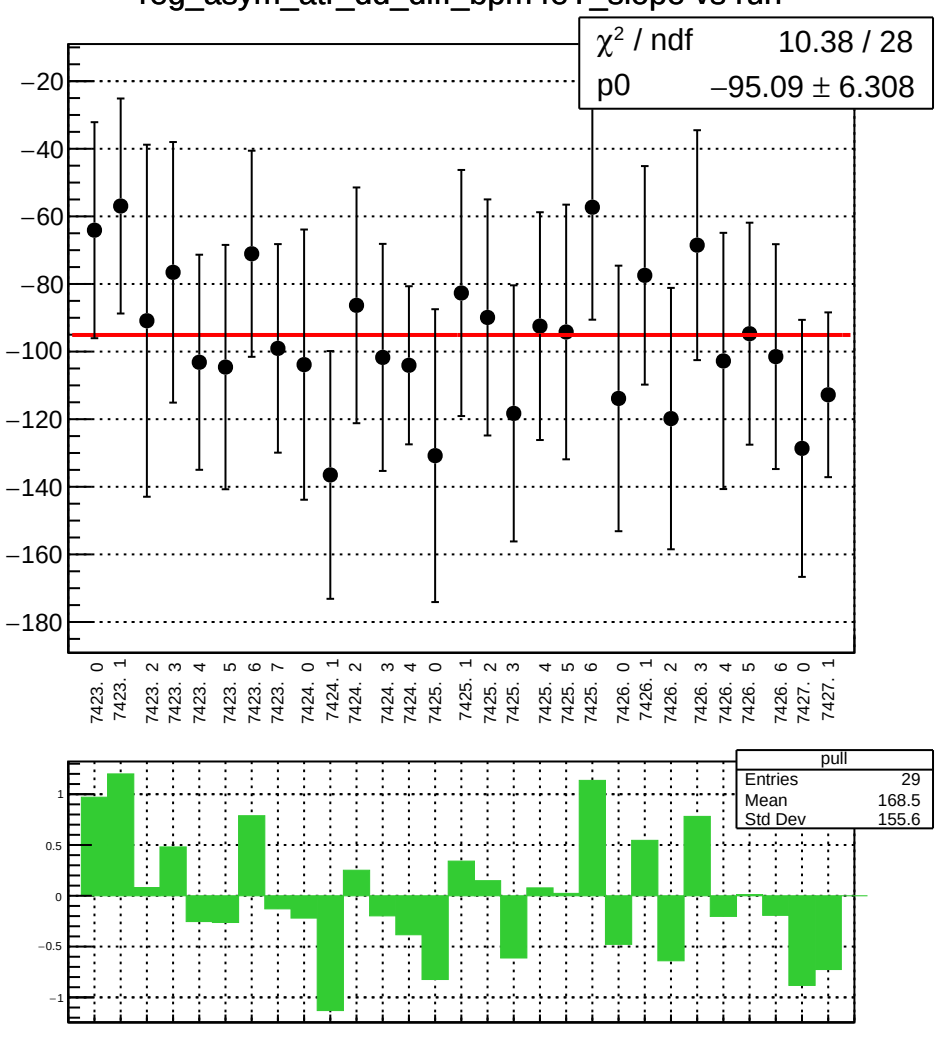

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 18.87 / 28
p0 133.7 ± 5.958
250
200
150
100
50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −16.3
Std Dev 33.76
1
0.5
0
−0.5
−1
−1.5
−2

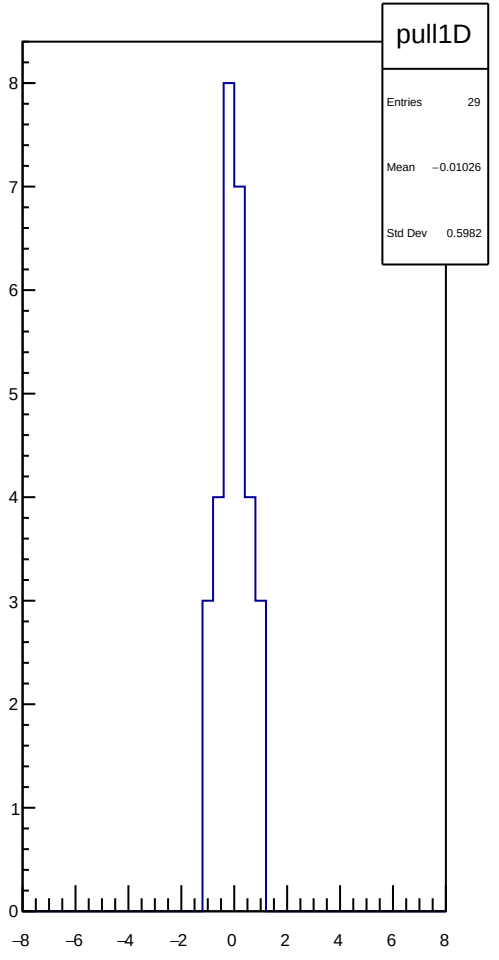

pull1D
Entries 29
Mean 0.09511
Std Dev 0.801
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

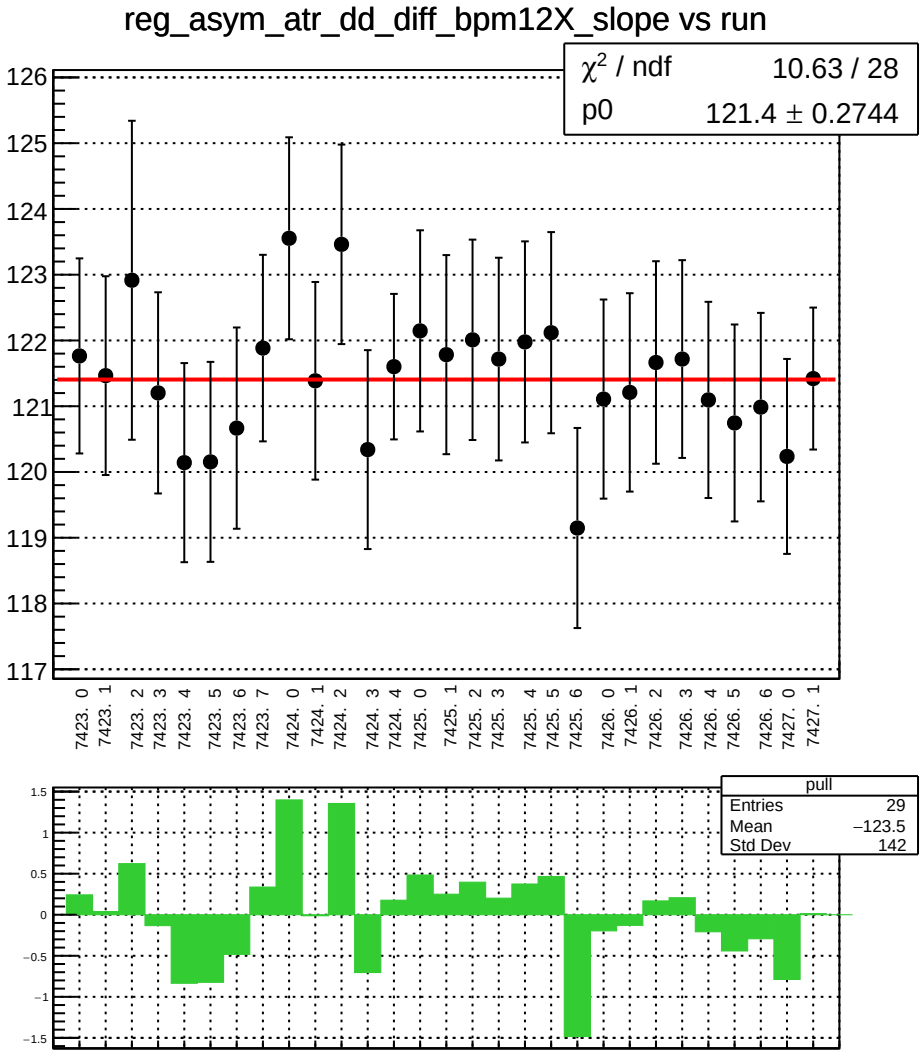

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.71 / 28
p0 27.65 ± 5.882
120
100
80
60
40
20
0
−20
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 130.6
Std Dev 117.2
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.01781
Std Dev 0.6617
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

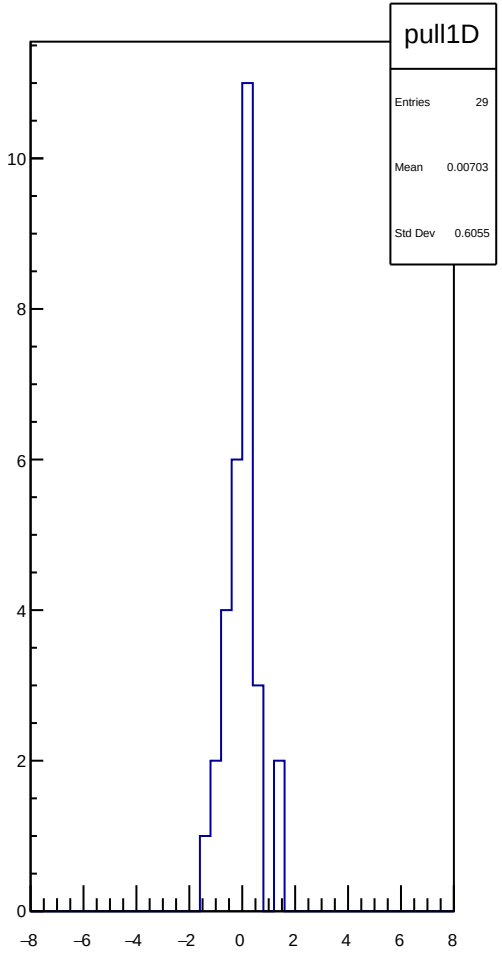

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.27 / 28
p0 −216.2 ± 6.22
−140
−160
−180
−200
−220
−240
−260
−280
−300
−320
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −17.4
Std Dev 35.17
2
1.5
1
0.5
0
−0.5
−1

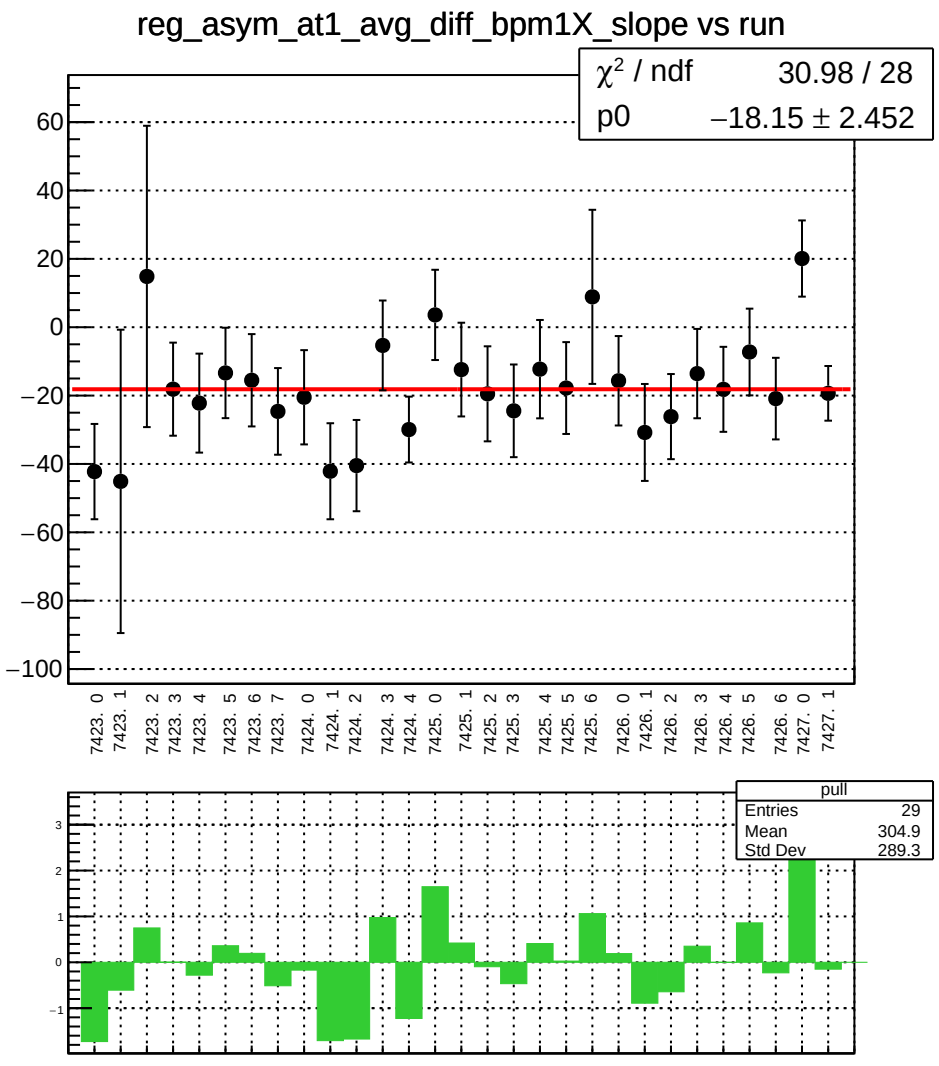

pull1D
Entries 29
Mean −0.09204
Std Dev 0.8099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

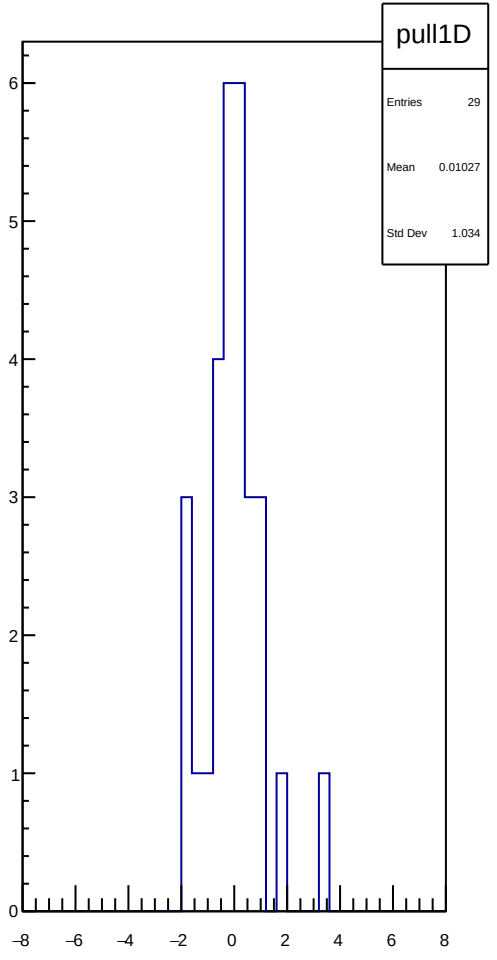

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.38 / 28
p0 −95.09 ± 6.308
−20
−40
−60
−80
−100
−120
−140
−160
−180
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 168.5
Std Dev 155.6
1
0.5
0
−0.5
−1

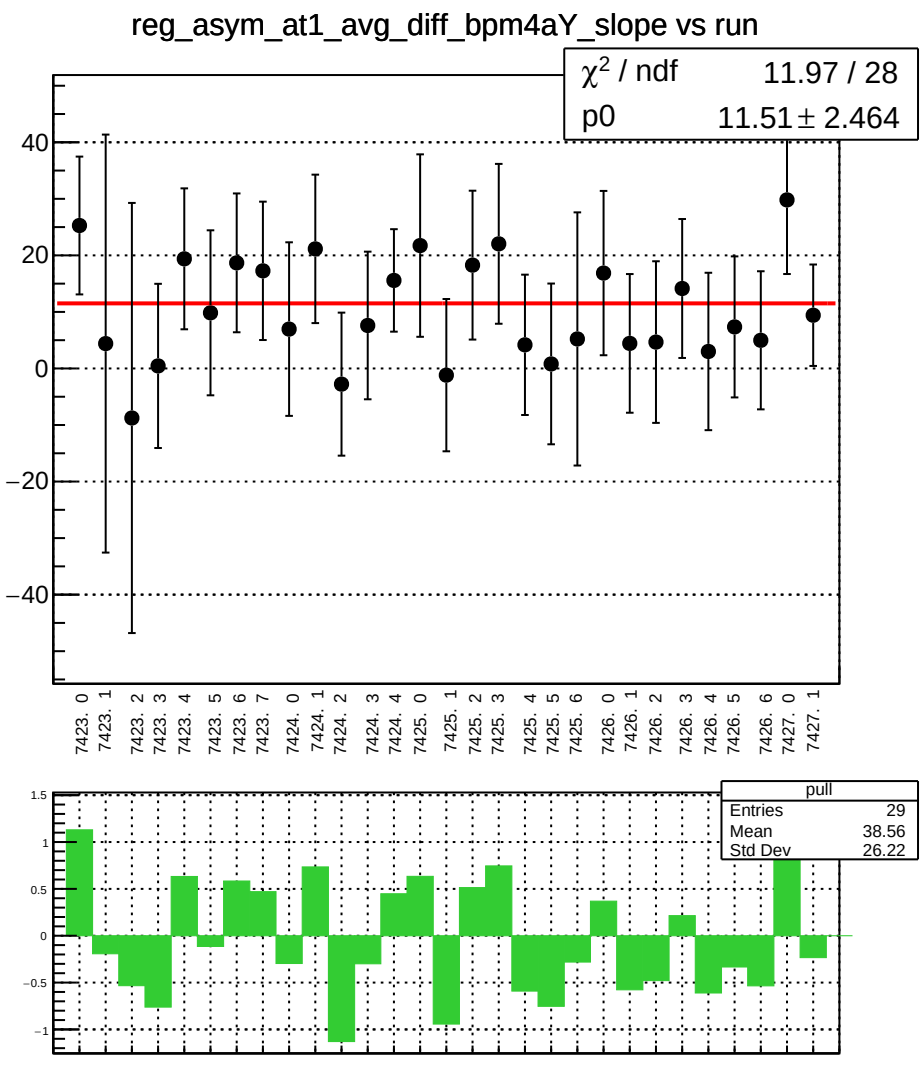

pull1D
Entries 29
Mean −0.01026
Std Dev 0.5982
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

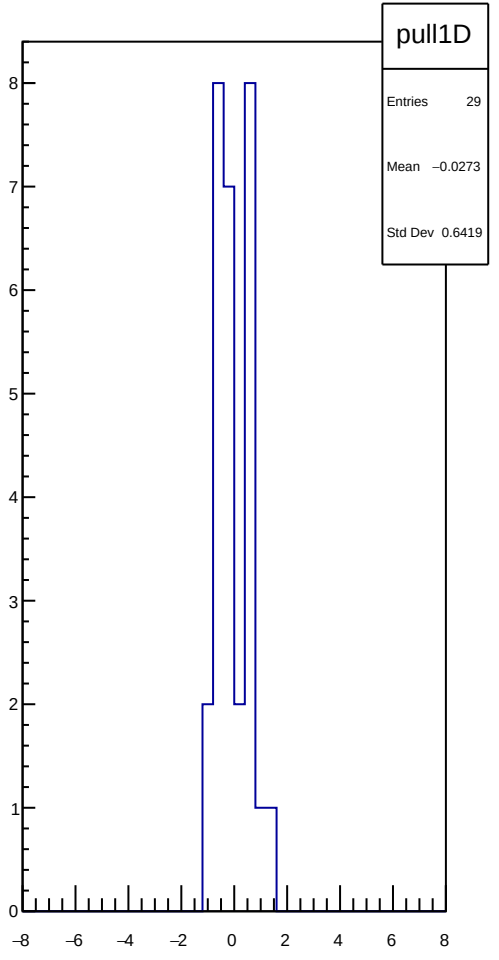

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 10.63 / 28
p0 121.4 ± 0.2744
126
125
124
123
122
121
120
119
118
117
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −123.5
Std Dev 142
1.5
1
0.5
0
−0.5
−1
−1.5

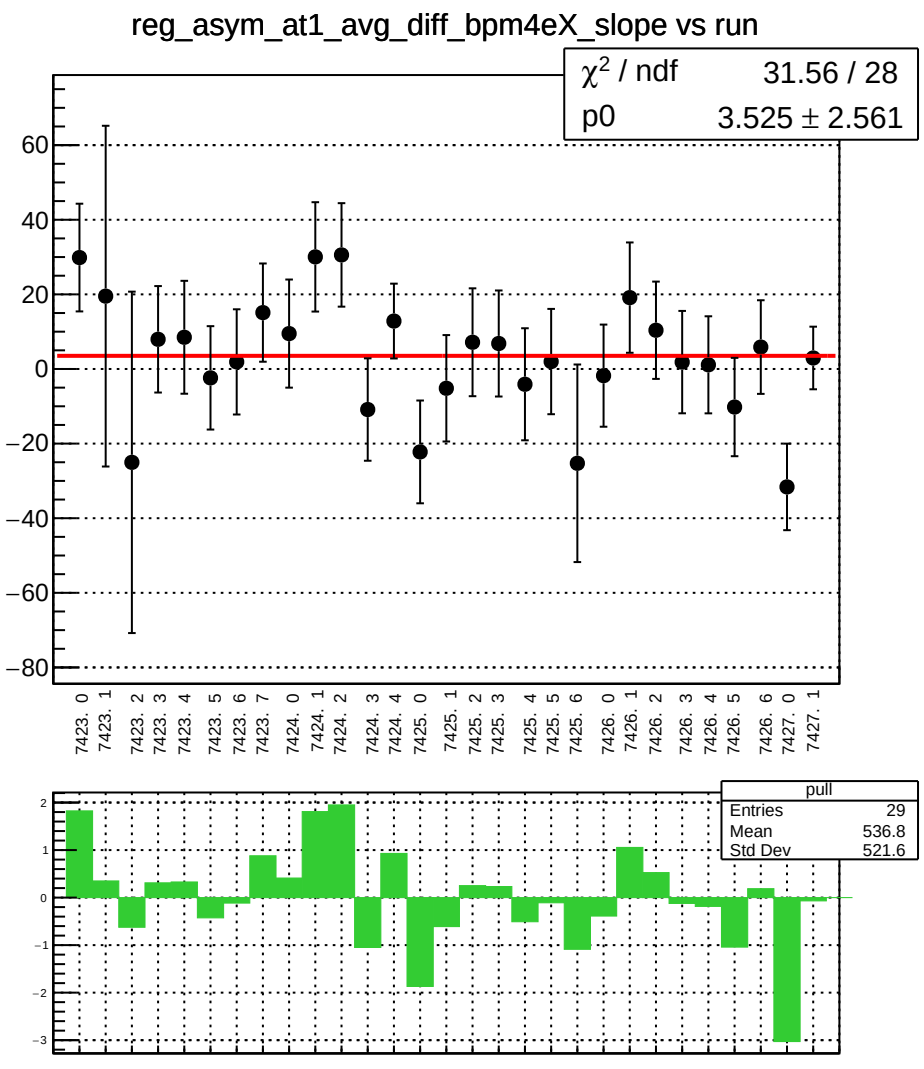

pull1D
Entries 29
Mean 0.00703
Std Dev 0.6055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

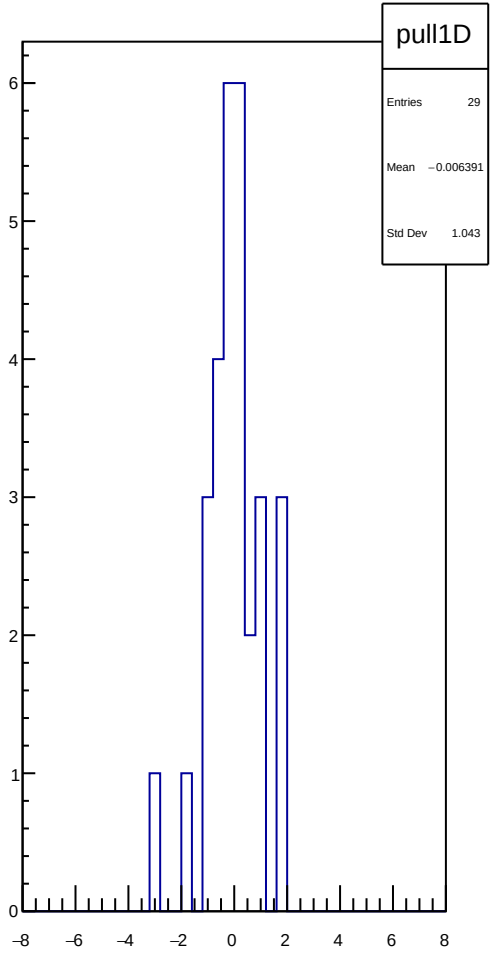

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 30.98 / 28
p0 −18.15 ± 2.452
pull
Entries 29
Mean 304.9
Std Dev 289.3

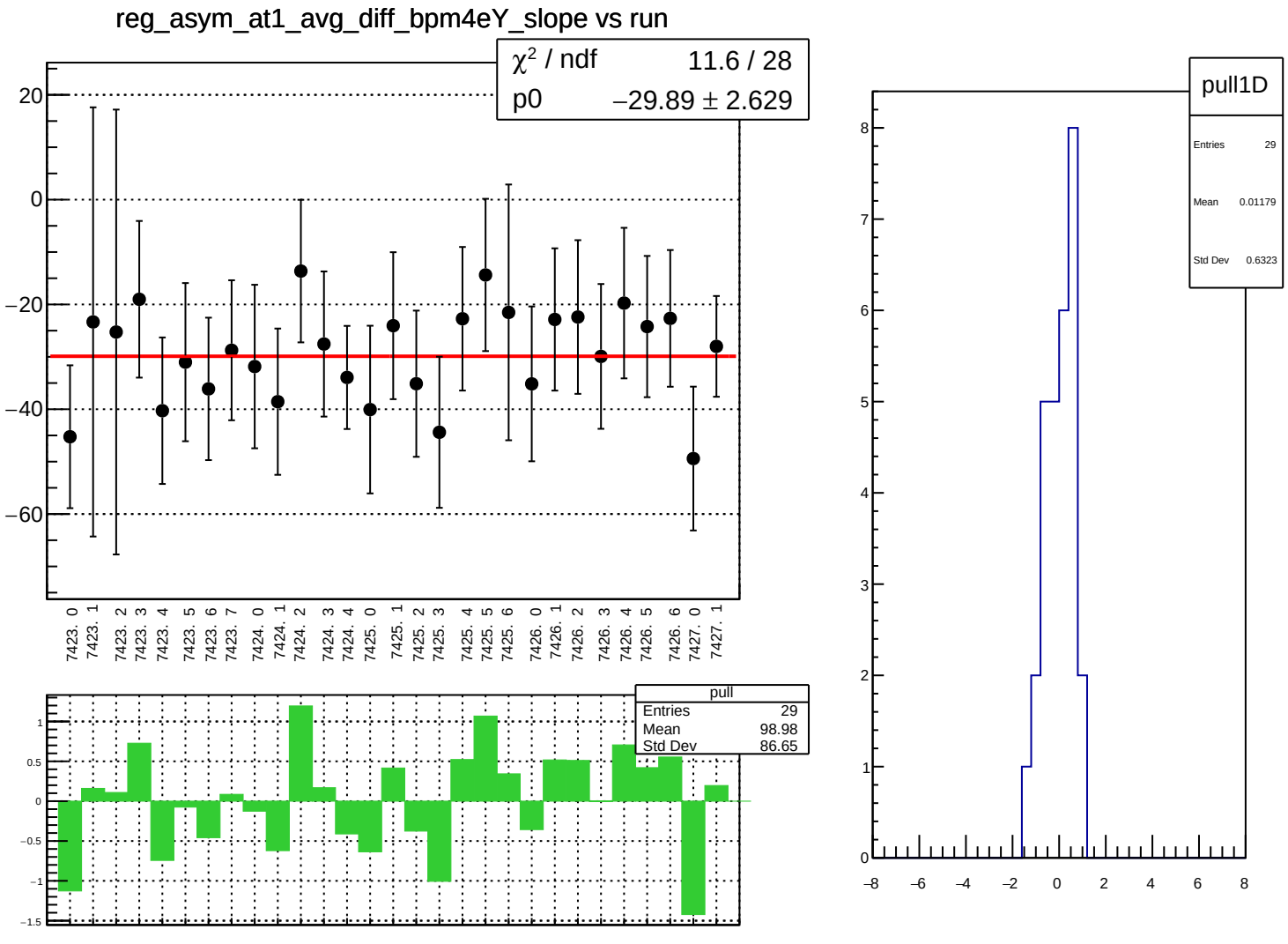

pull1D
Entries 29
Mean 0.01027
Std Dev 1.034

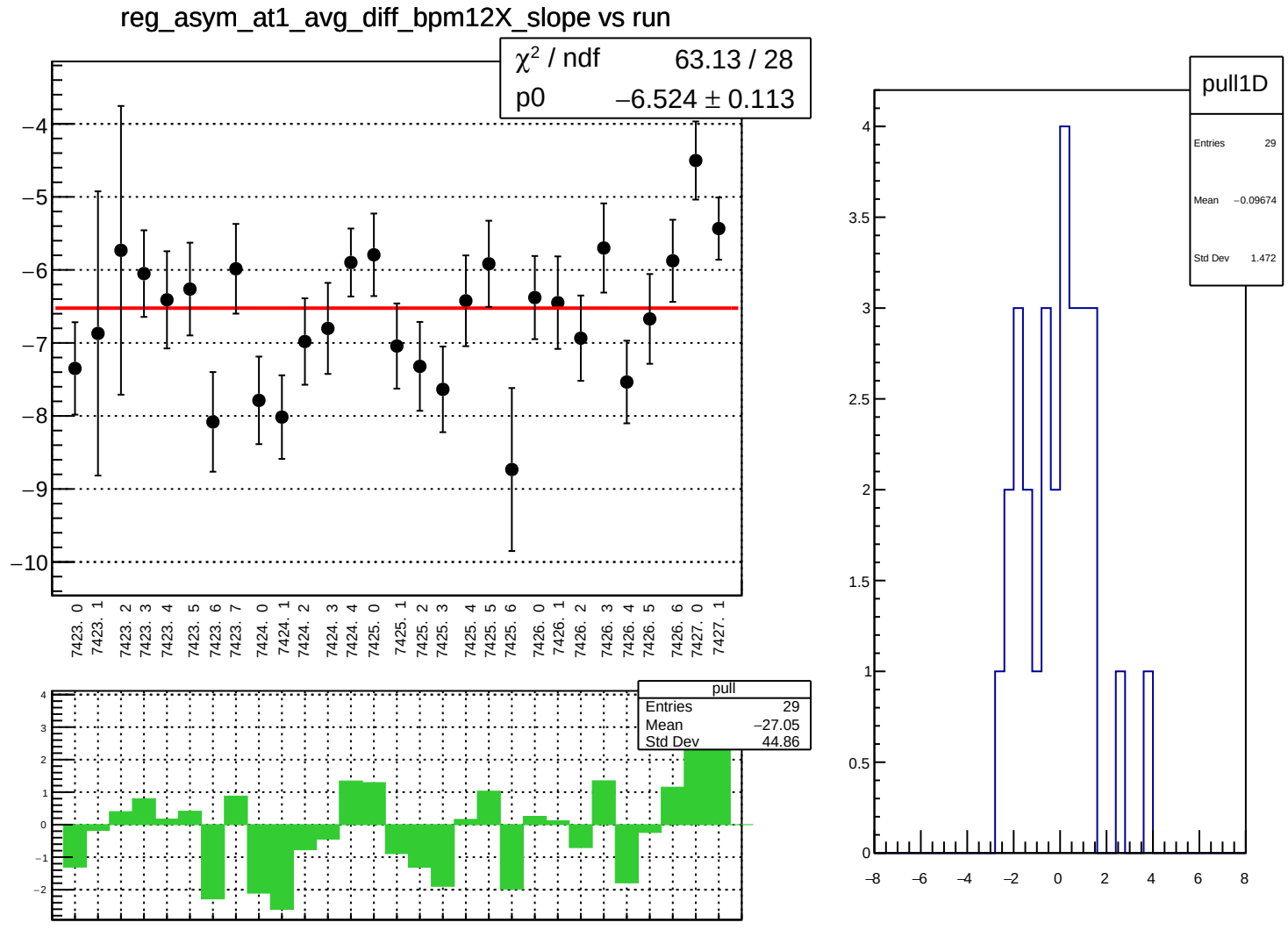

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.97 / 28
p0 11.51 ± 2.464
40
20
0
−20
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 38.56
Std Dev 26.22
1.5
1
0.5
0
−0.5
−1

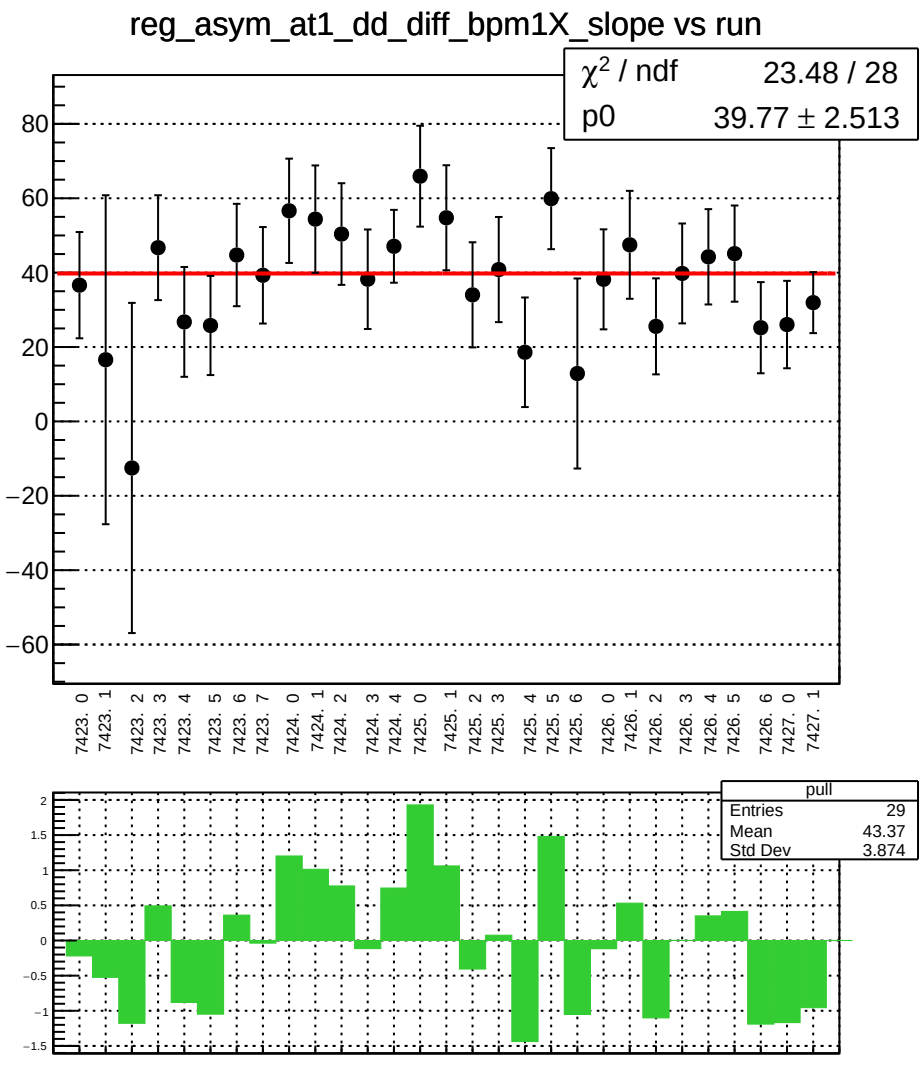

pull1D
Entries 29
Mean −0.0273
Std Dev 0.6419
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

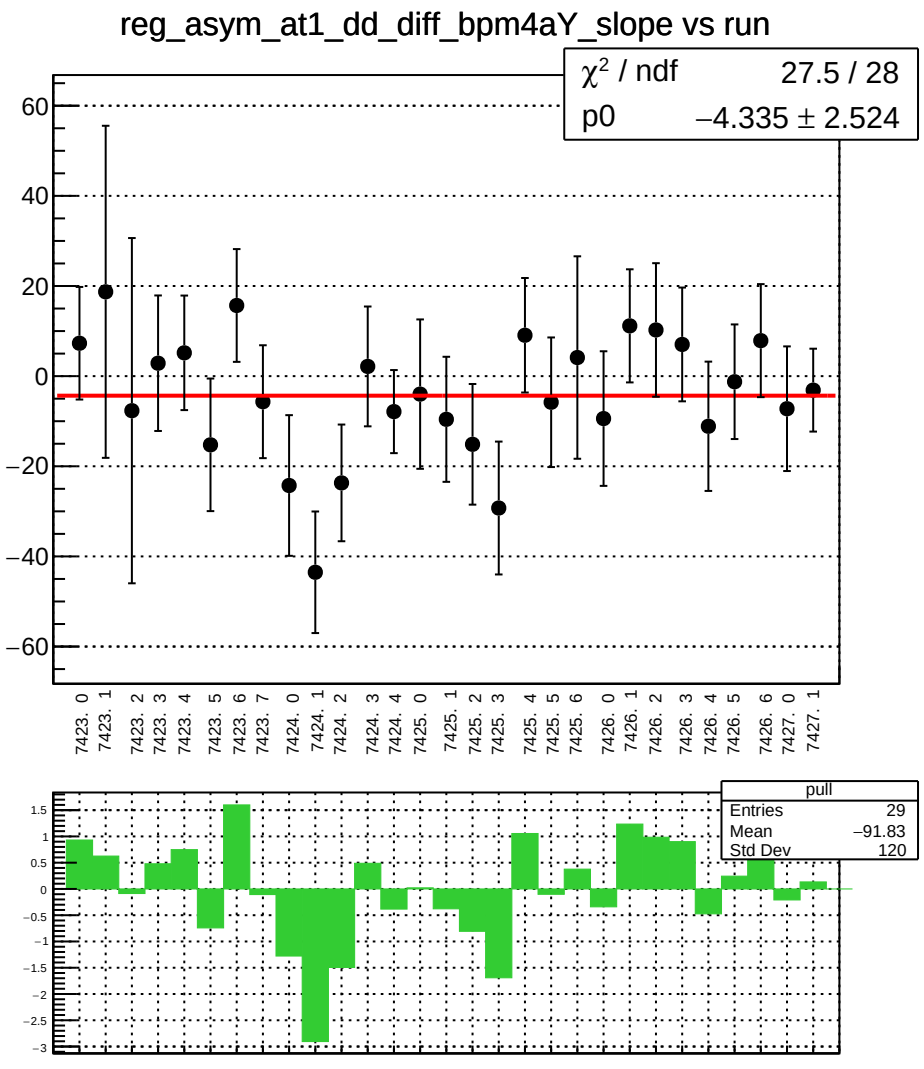

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.56 / 28
p0 3.525 ± 2.561
60
40
20
0
−20
−40
−60
−80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 536.8
Std Dev 521.6
2
1
0
−1
−2
−3

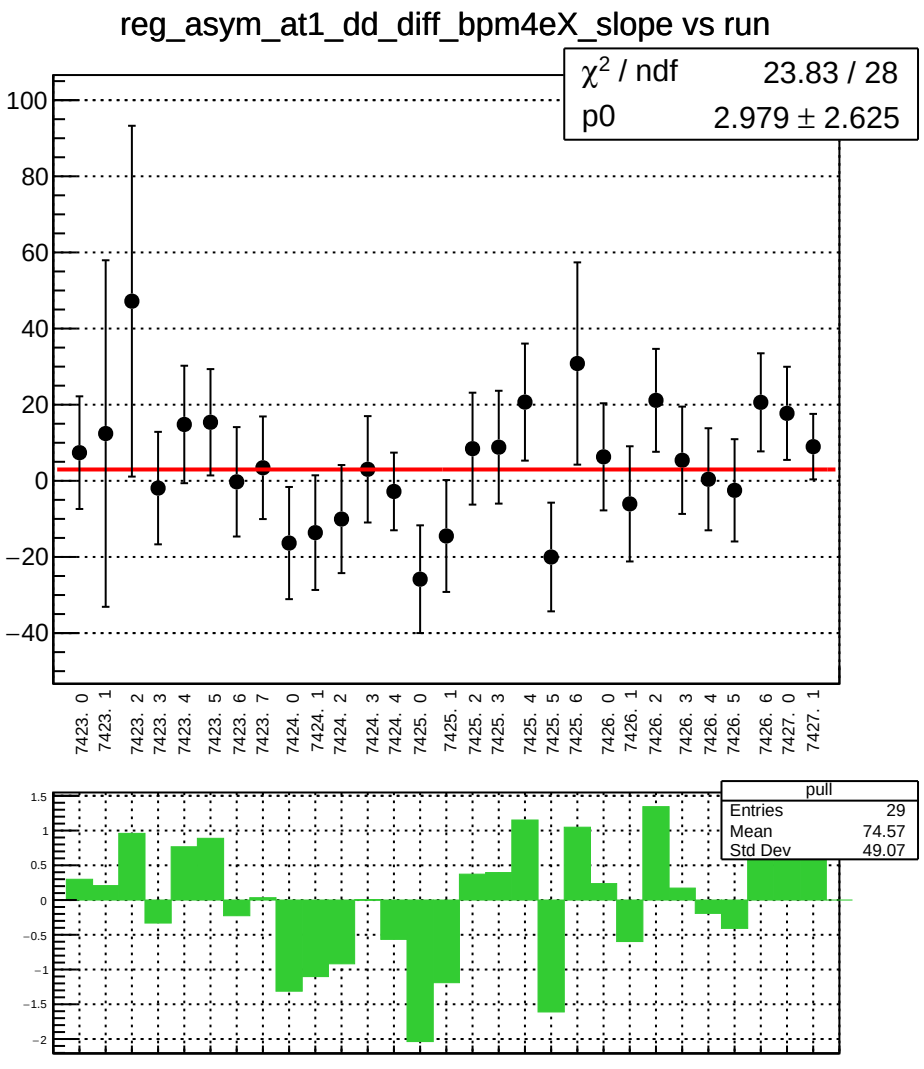

pull1D
Entries 29
Mean −0.006391
Std Dev 1.043
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

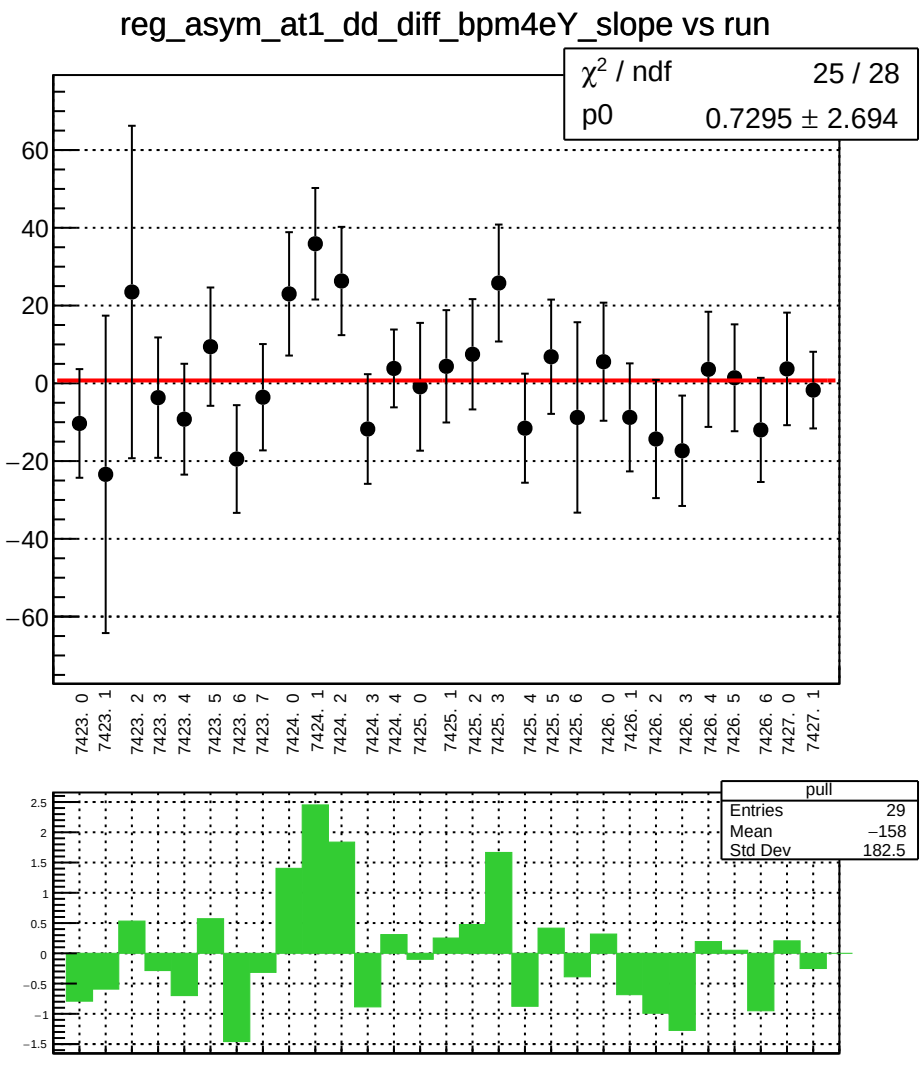

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.6 / 28
p0 −29.89 ± 2.629
20
0
−20
−40
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 98.98
Std Dev 86.65
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.01179
Std Dev 0.6323
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

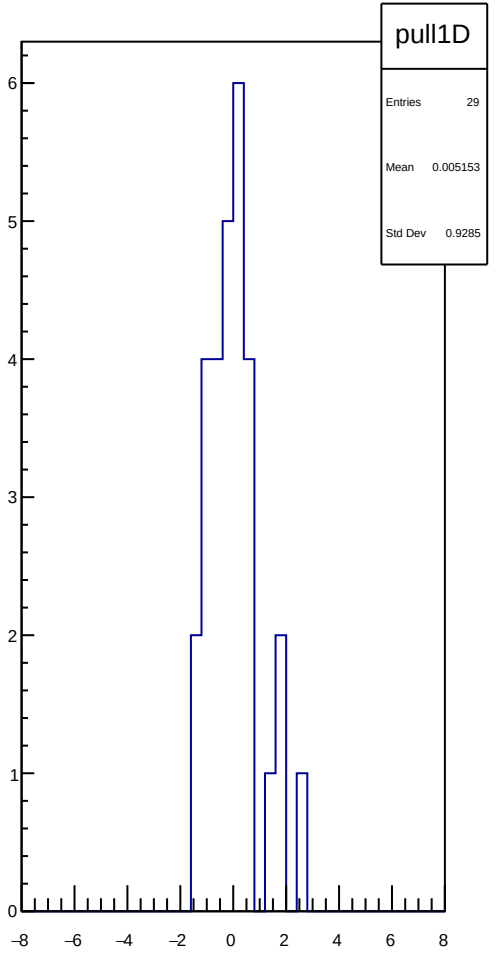

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 63.13 / 28
p0 −6.524 ± 0.113
pull
Entries 29
Mean −27.05
Std Dev 44.86
pull1D
Entries 29
Mean −0.09674
Std Dev 1.472

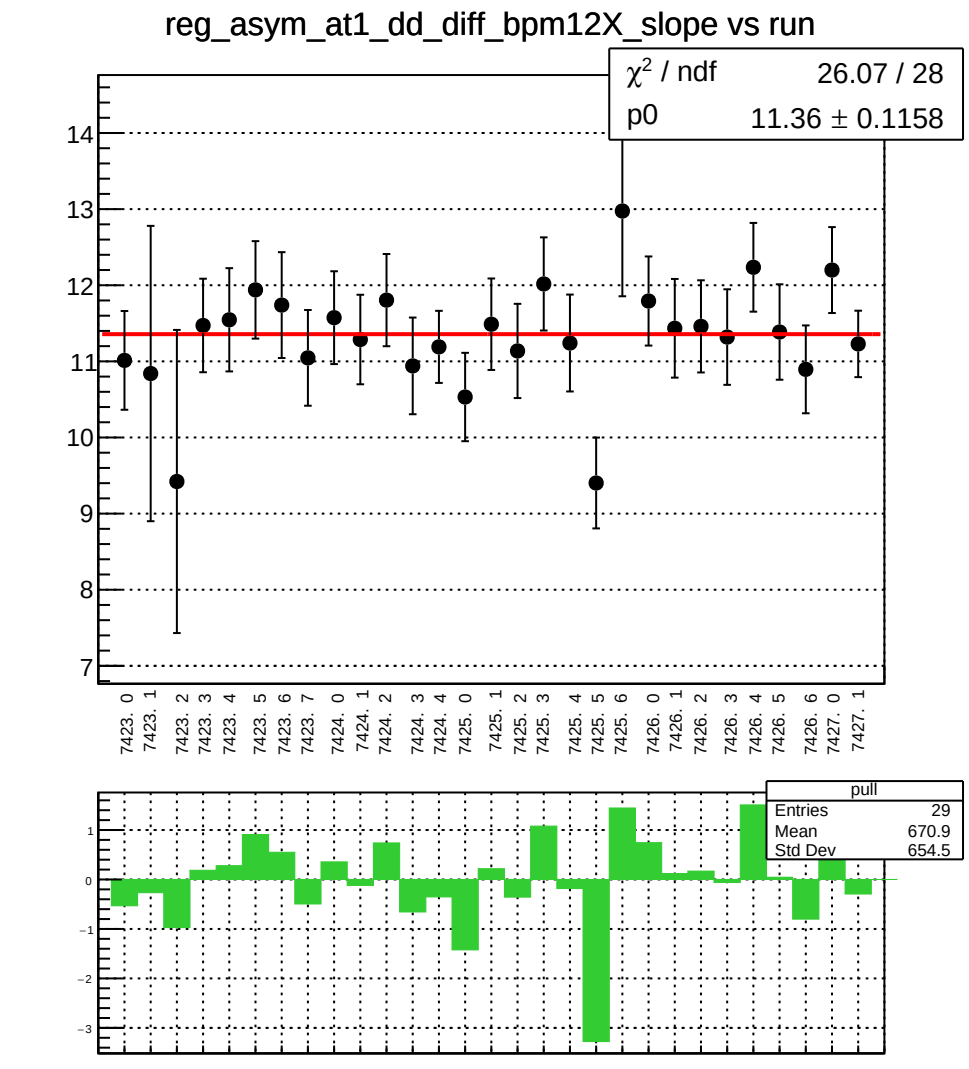

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 23.48 / 28
p0 39.77 ± 2.513
80
60
40
20
0
−20
−40
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 43.37
Std Dev 3.874
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.03428
Std Dev 0.8992
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

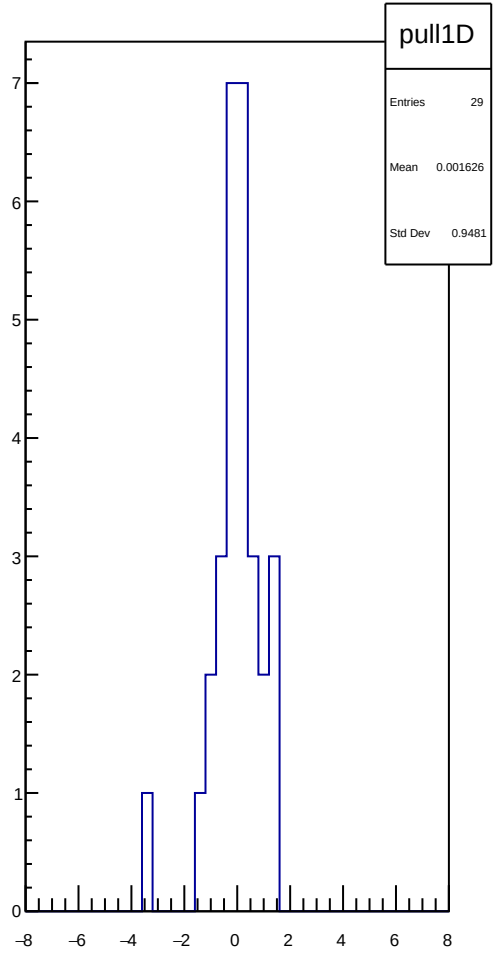

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.5 / 28
p0 −4.335 ± 2.524
60
40
20
0
−20
−40
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −91.83
Std Dev 120
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 29
Mean −0.006814
Std Dev 0.9738
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

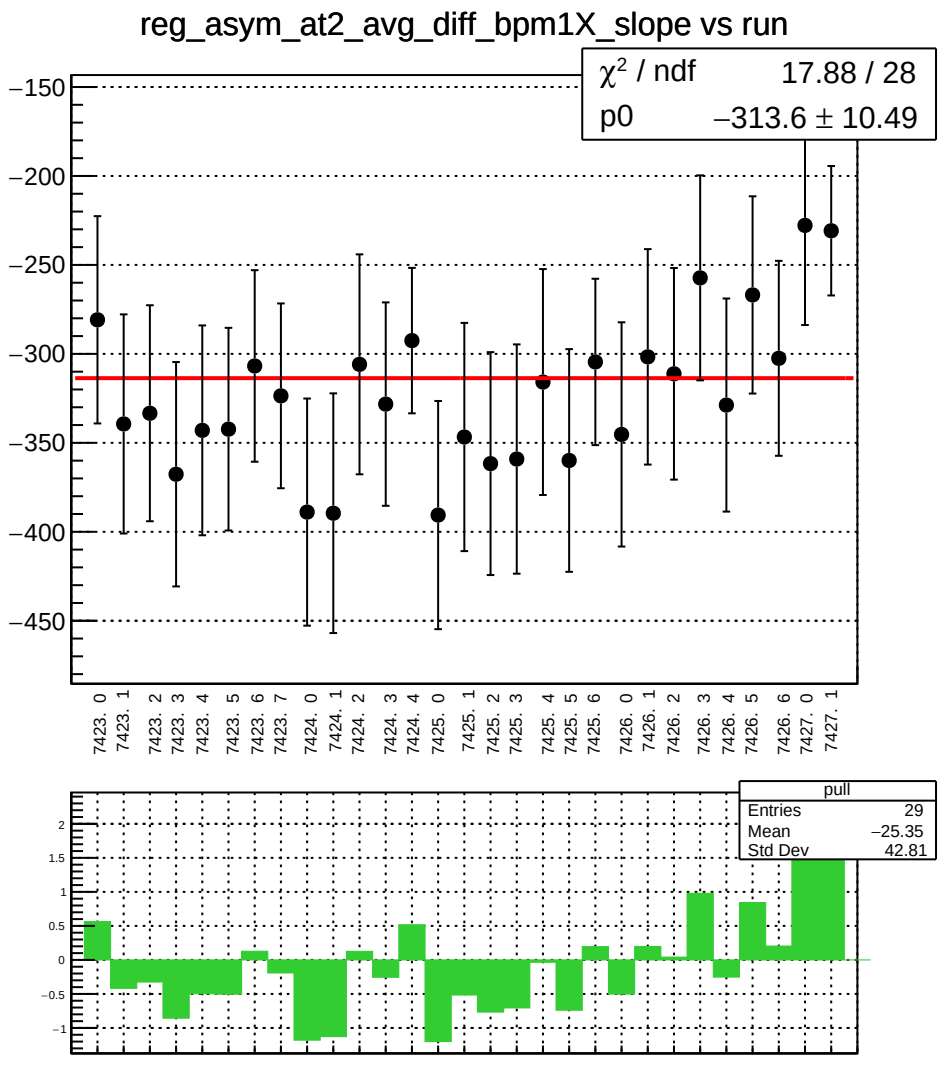

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.83 / 28
p0 2.979 ± 2.625
100
80
60
40
20
0
−20
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 74.57
Std Dev 49.07
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean 0.02283
Std Dev 0.9061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

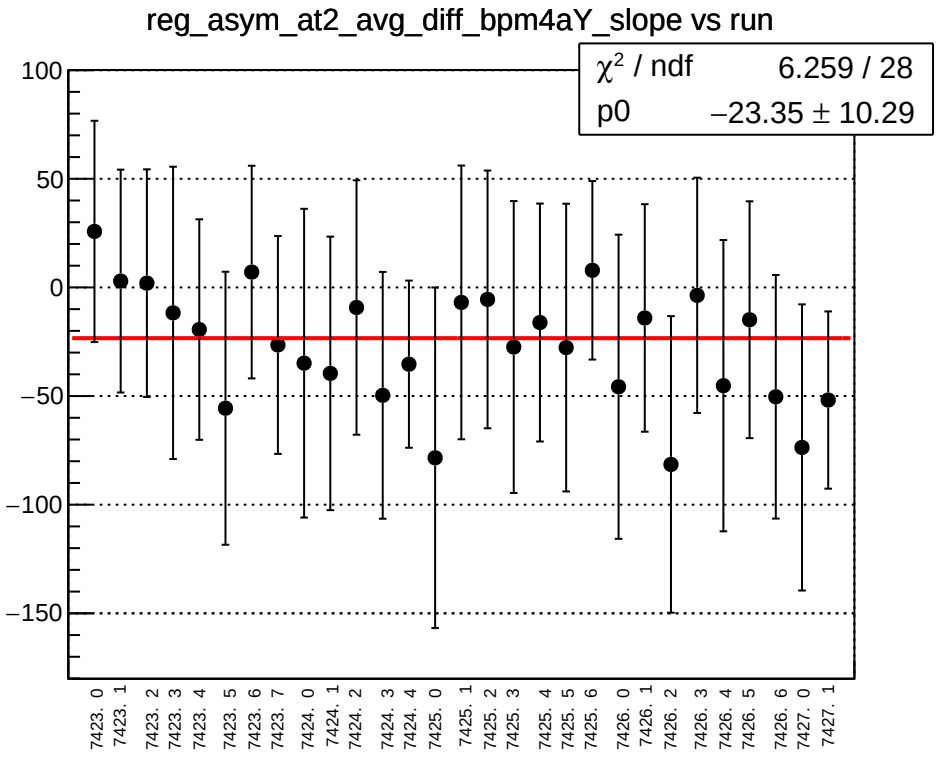

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 25 / 28
p0 0.7295 ± 2.694
60
40
20
0
−20
−40
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −158
Std Dev 182.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

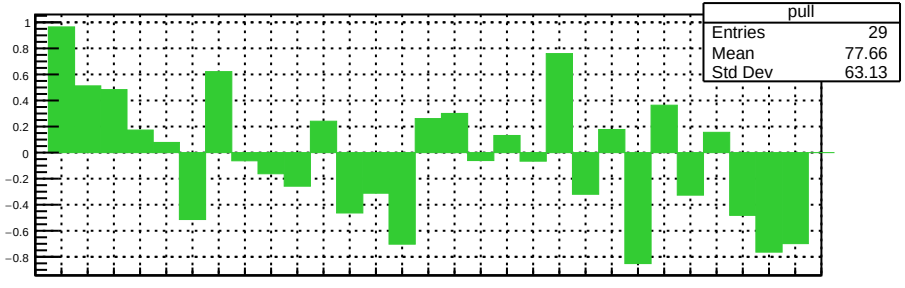

pull1D
Entries 29
Mean 0.005153
Std Dev 0.9285
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

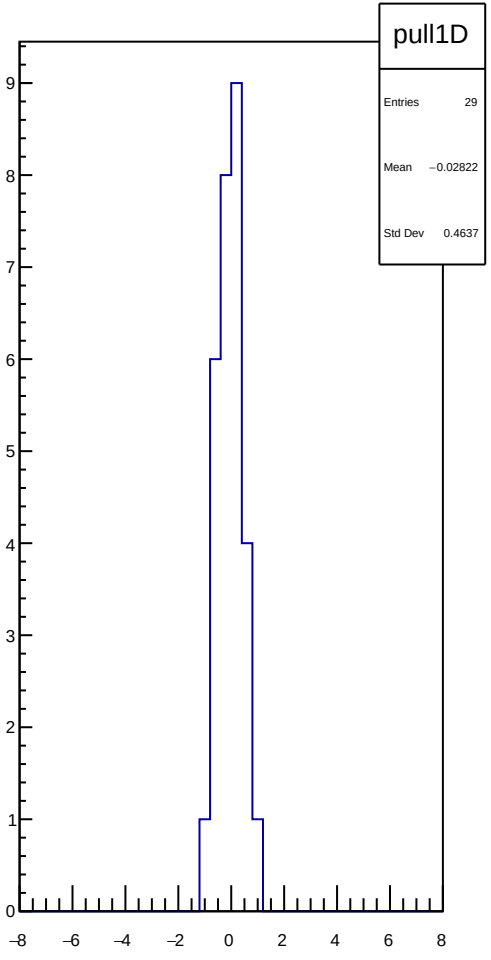

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 26.07 / 28
p0 11.36 ± 0.1158
pull
Entries 29
Mean 670.9
Std Dev 654.5

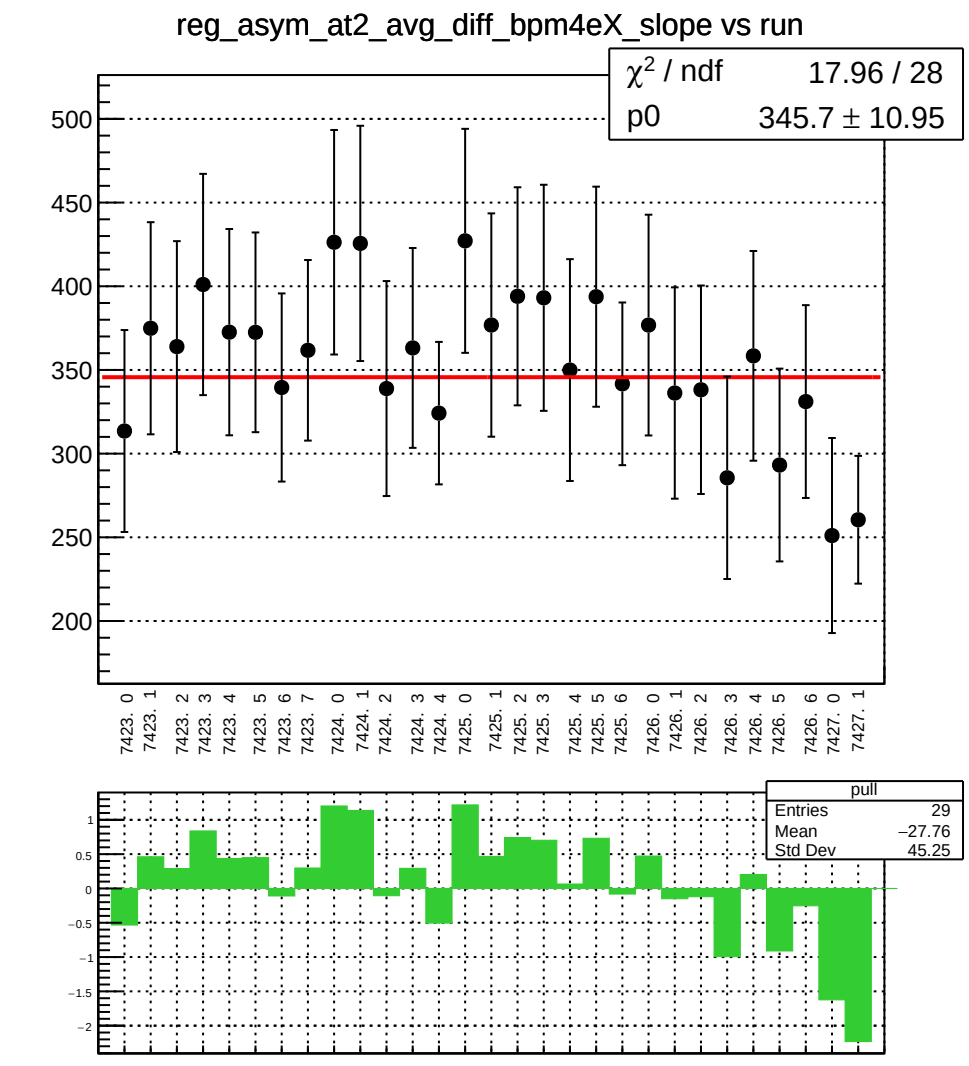

pull1D
Entries 29
Mean 0.001626
Std Dev 0.9481

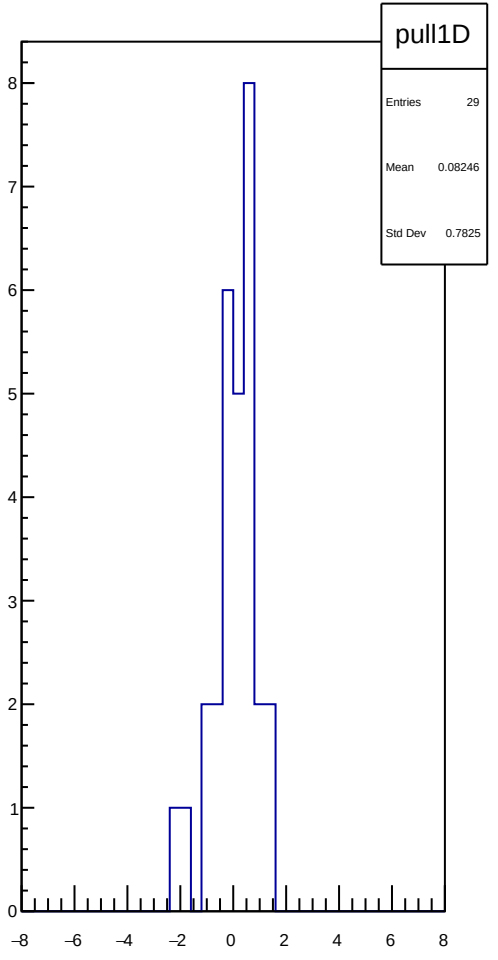

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 17.88 / 28
p0 −313.6 ± 10.49
−150
−200
−250
−300
−350
−400
−450
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −25.35
Std Dev 42.81
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.0849
Std Dev 0.7805
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

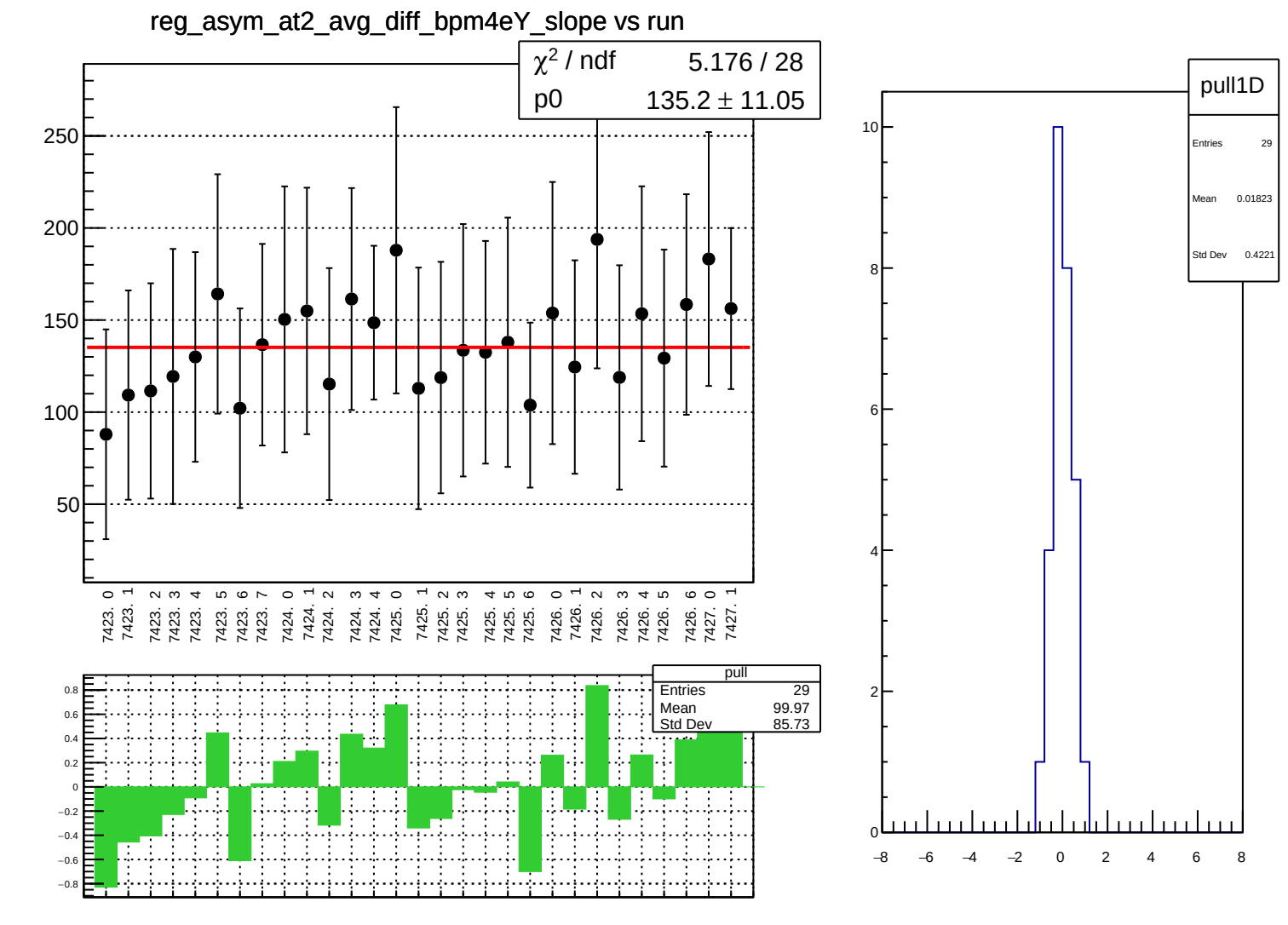

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.259 / 28
p0 −23.35 ± 10.29
100
50
0
−50
−100
−150
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1

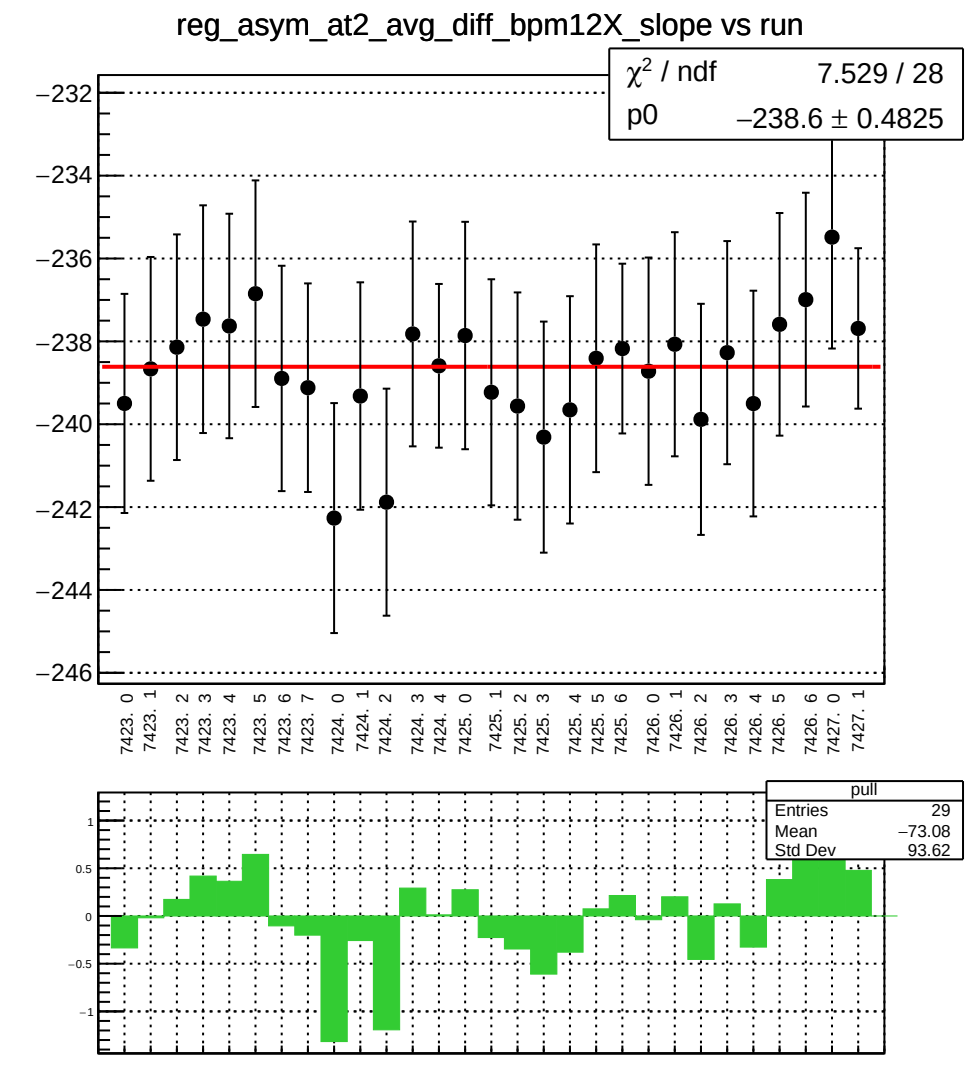

pull
Entries 29
Mean 77.66
Std Dev 63.13
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

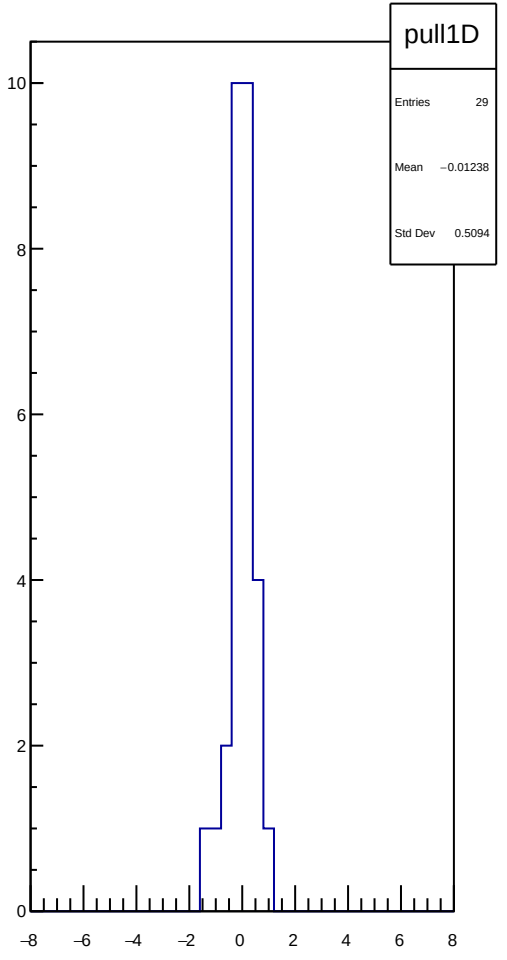

pull1D
Entries 29
Mean −0.02822
Std Dev 0.4637
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

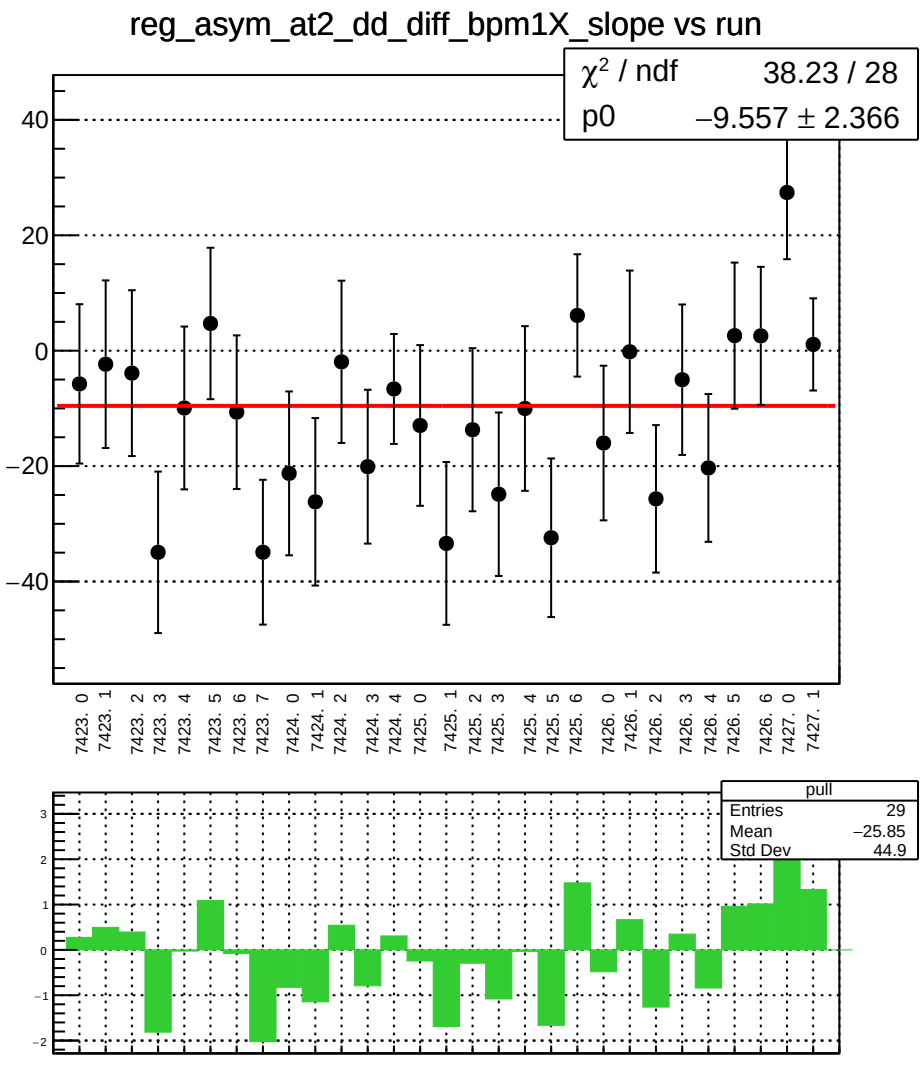

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.96 / 28
p0 345.7 ± 10.95
500
450
400
350
300
250
200
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −27.76
Std Dev 45.25
1
0.5
0
−0.5
−1
−1.5
−2

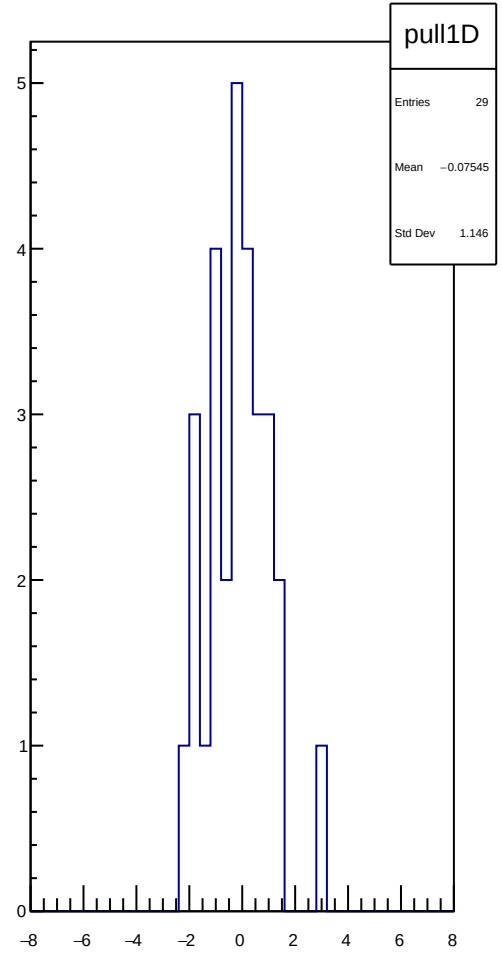

pull1D
Entries 29
Mean 0.08246
Std Dev 0.7825
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

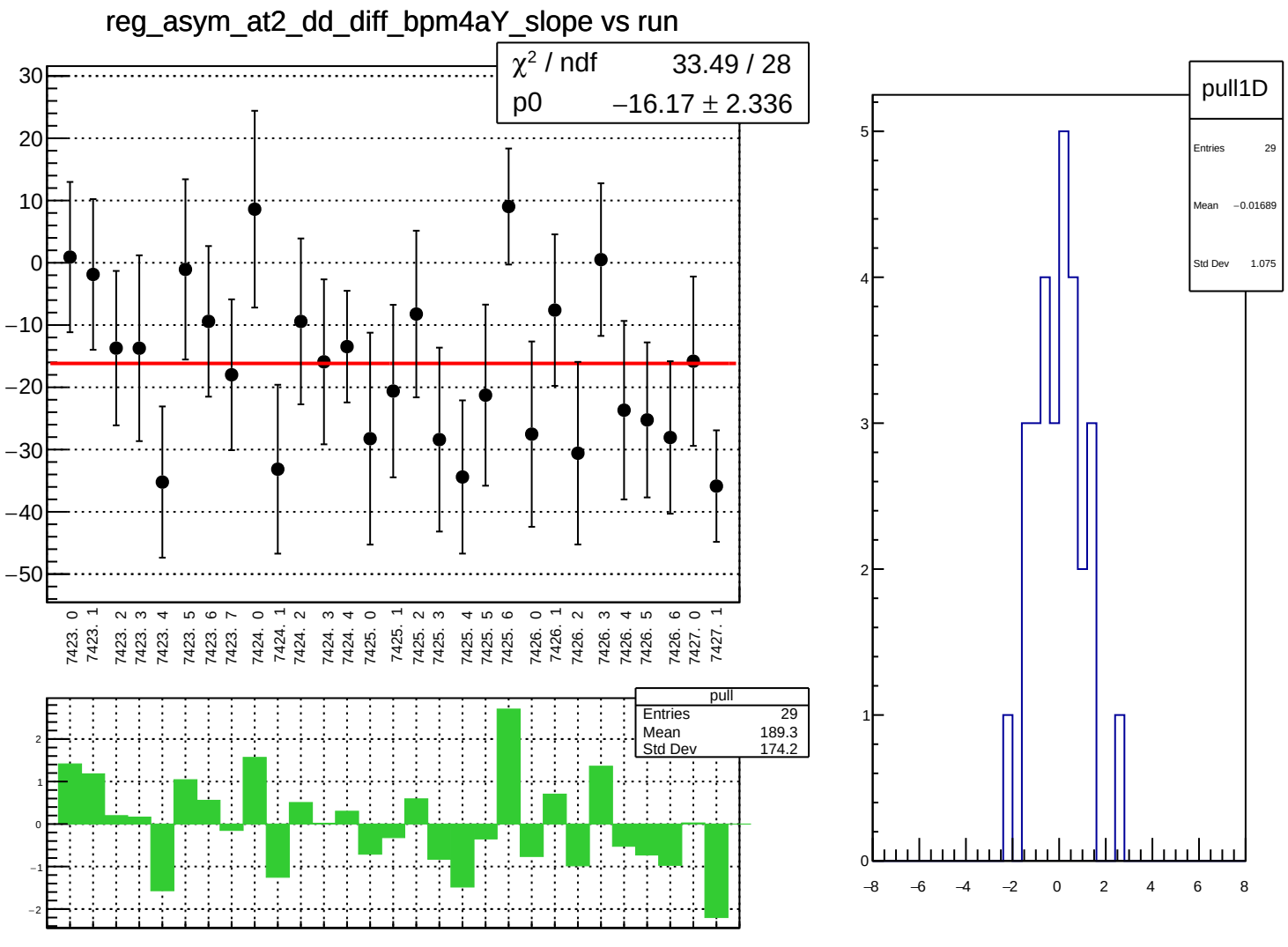

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.176 / 28
p0 135.2 ± 11.05
250
200
150
100
50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 99.97
Std Dev 85.73
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 29
Mean 0.01823
Std Dev 0.4221
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

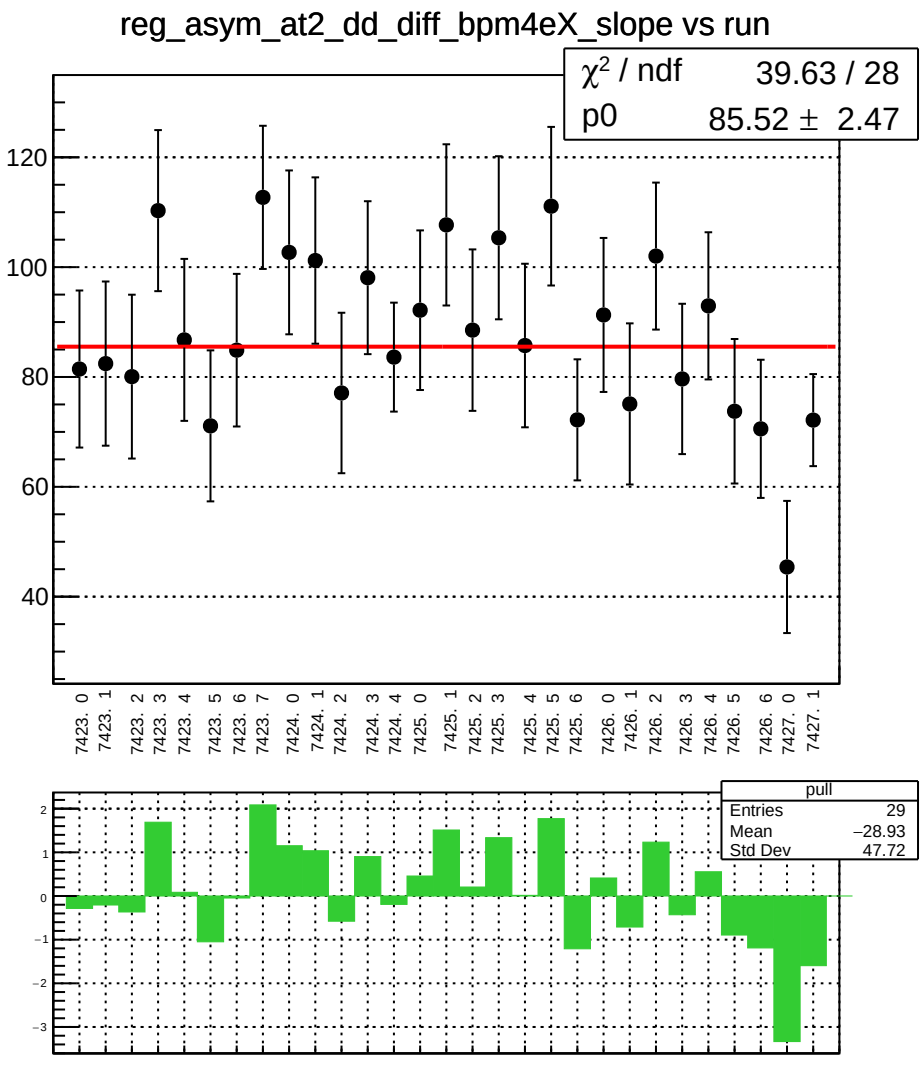

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 7.529 / 28
p0 −238.6 ± 0.4825
−232
−234
−236
−238
−240
−242
−244
−246
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −73.08
Std Dev 93.62
1
0.5
0
−0.5
−1

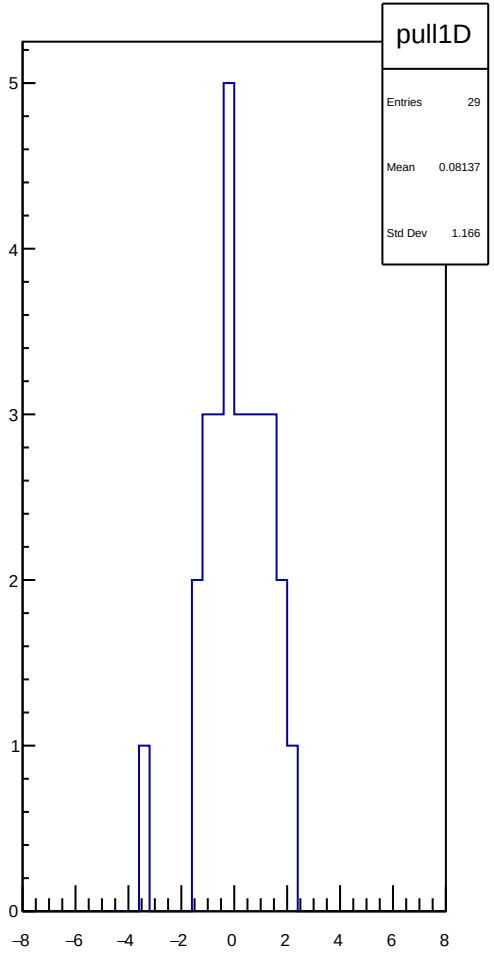

pull1D
Entries 29
Mean −0.01238
Std Dev 0.5094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

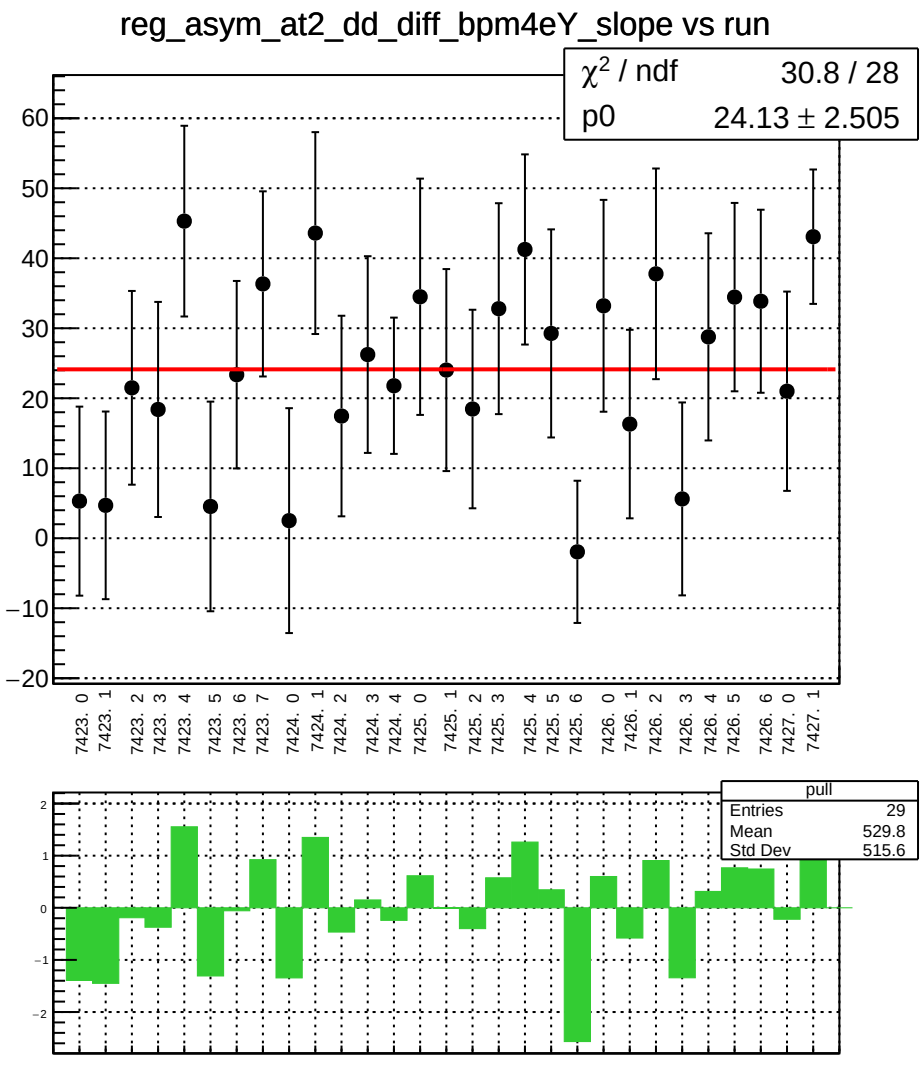

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 38.23 / 28
p0 −9.557 ± 2.366
40
20
0
−20
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −25.85
Std Dev 44.9
3
2
1
0
−1
−2

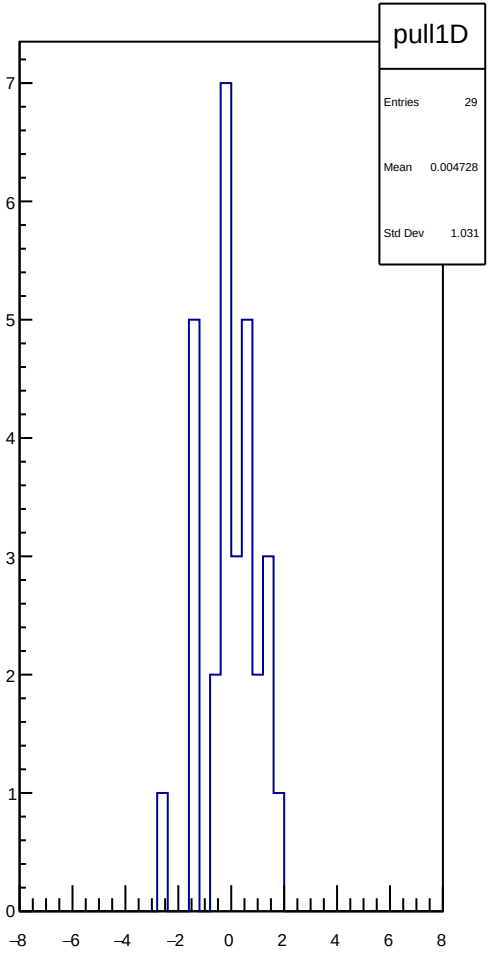

pull1D
Entries 29
Mean −0.07545
Std Dev 1.146
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

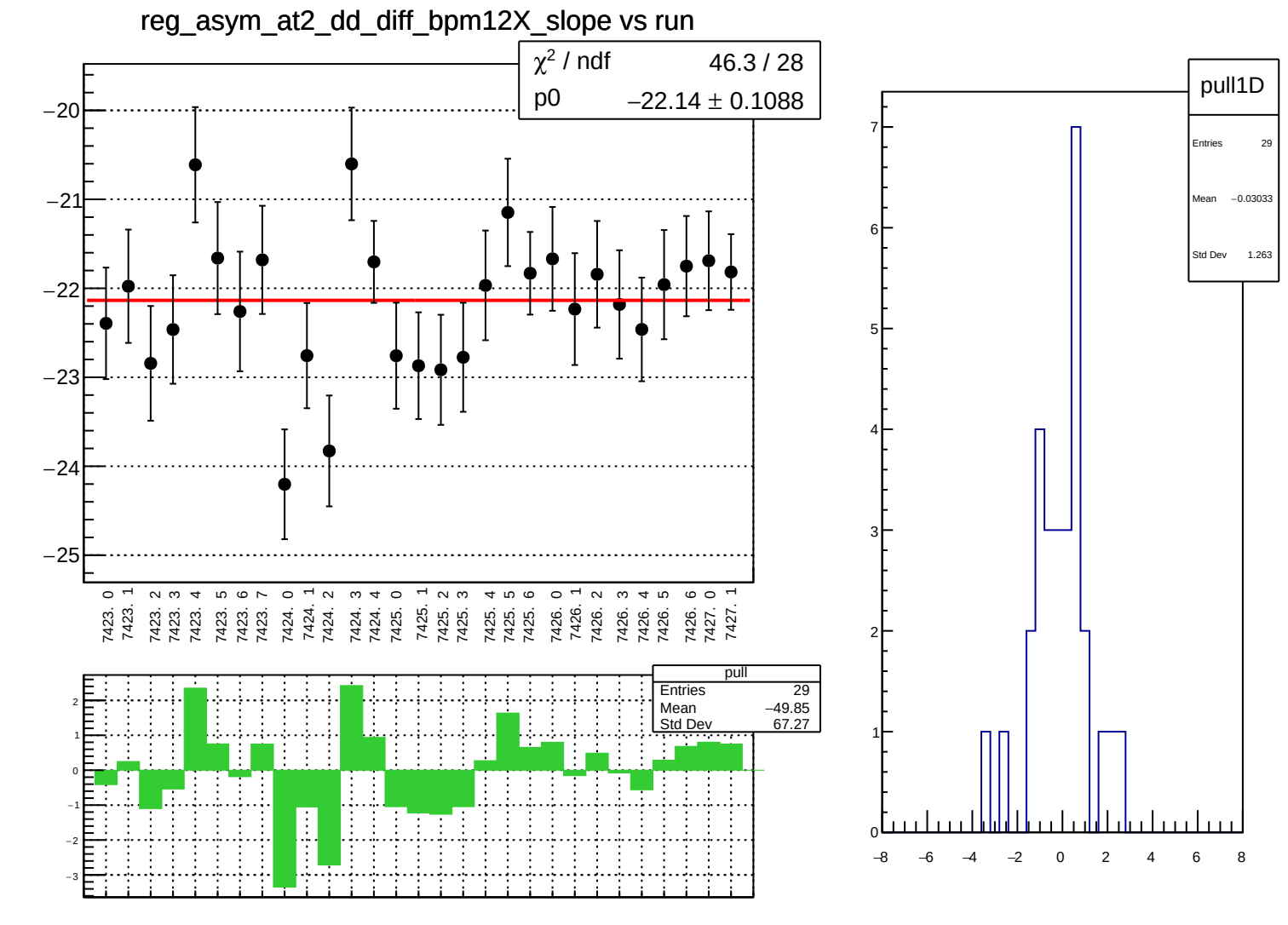

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.49 / 28
p0 −16.17 ± 2.336
30
20
10
0
−10
−20
−30
−40
−50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 189.3
Std Dev 174.2
2
1
0
−1
−2
pull1D
Entries 29
Mean −0.01689
Std Dev 1.075
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

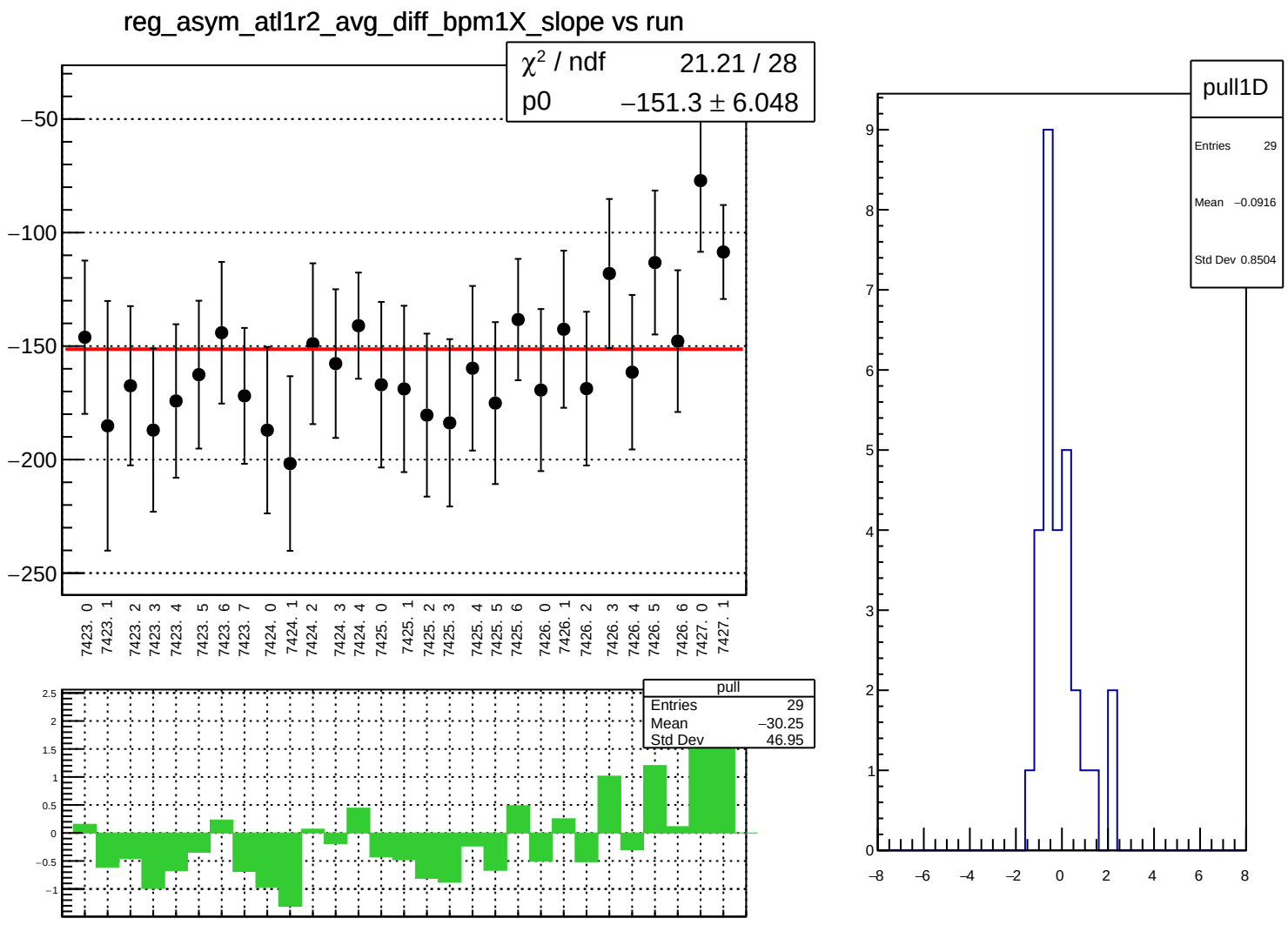

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.63 / 28
p0 85.52 ± 2.47
120
100
80
60
40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −28.93
Std Dev 47.72
2
1
0
−1
−2
−3

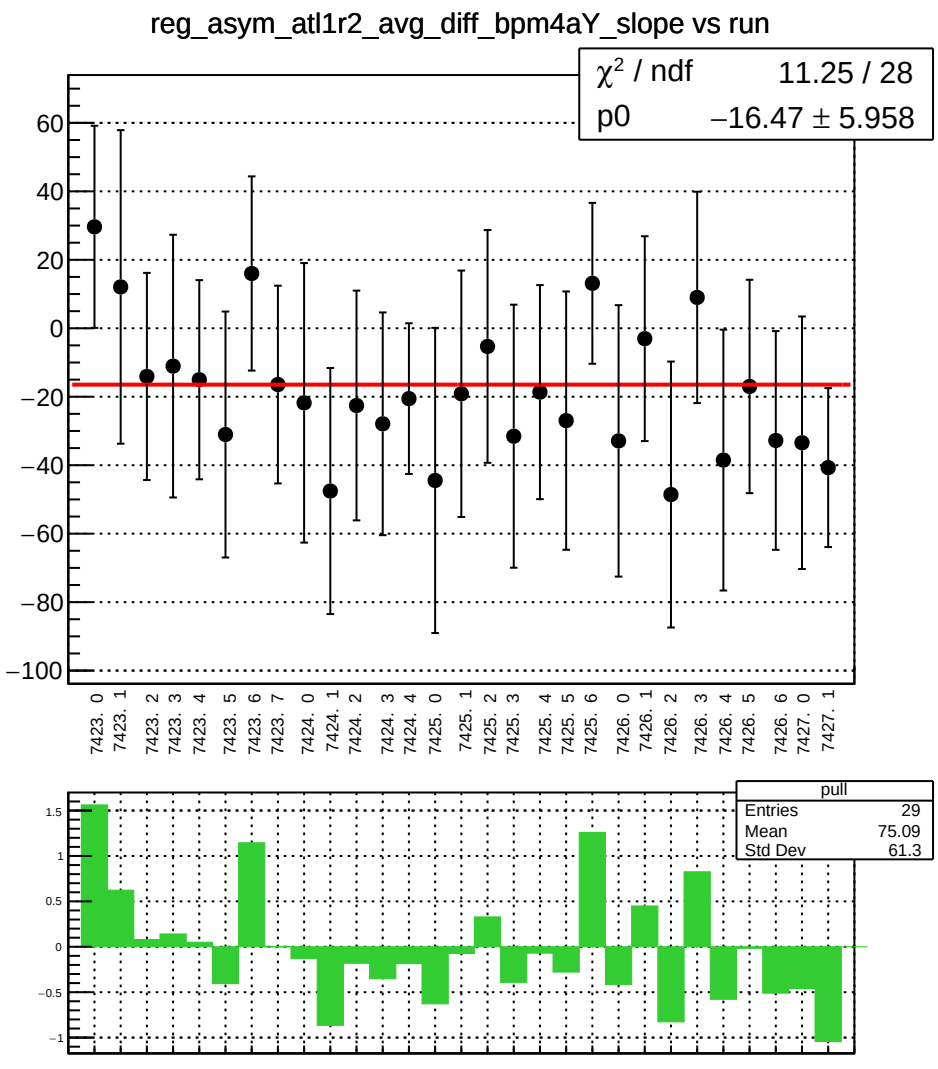

pull1D
Entries 29
Mean 0.08137
Std Dev 1.166
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

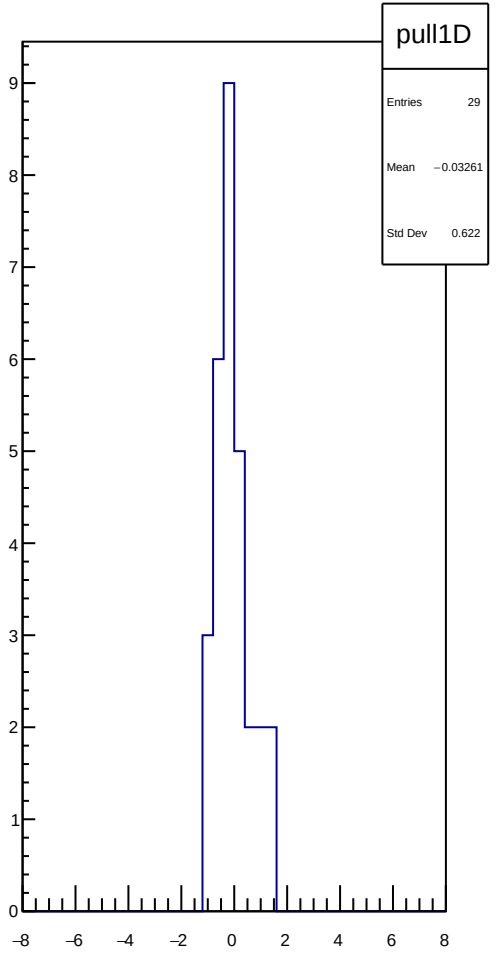

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.8 / 28
p0 24.13 ± 2.505
pull
Entries 29
Mean 529.8
Std Dev 515.6

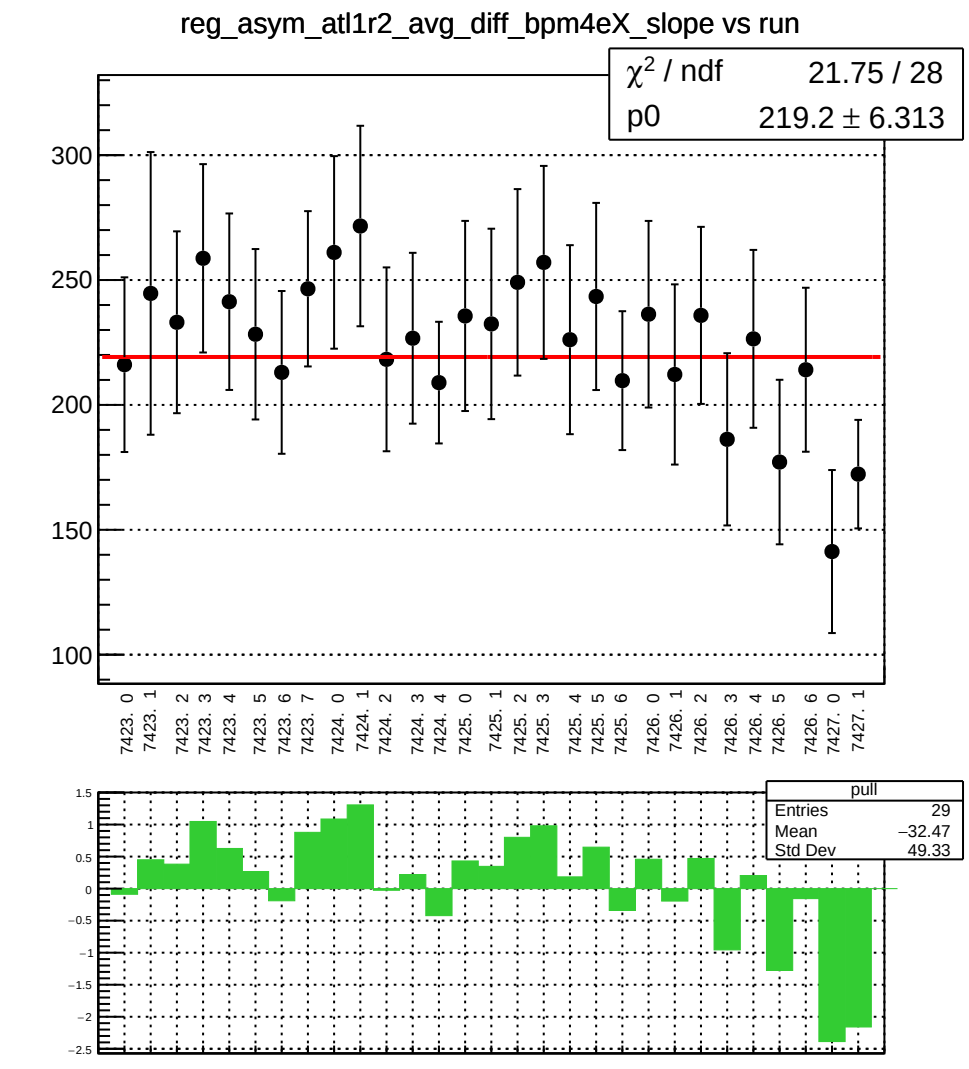

pull1D
Entries 29
Mean 0.004728
Std Dev 1.031

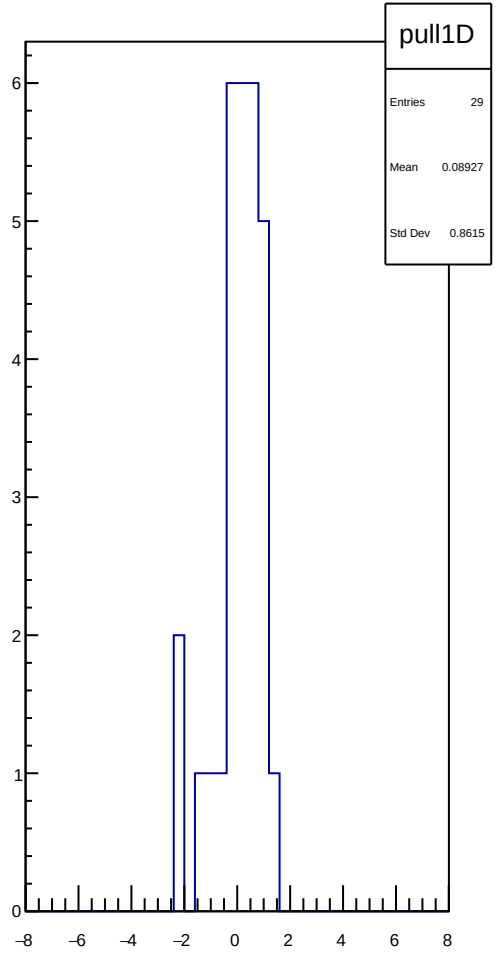

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 46.3 / 28
p0 −22.14 ± 0.1088
−20
−21
−22
−23
−24
−25
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −49.85
Std Dev 67.27
2
1
0
−1
−2
−3
pull1D
Entries 29
Mean −0.03033
Std Dev 1.263
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

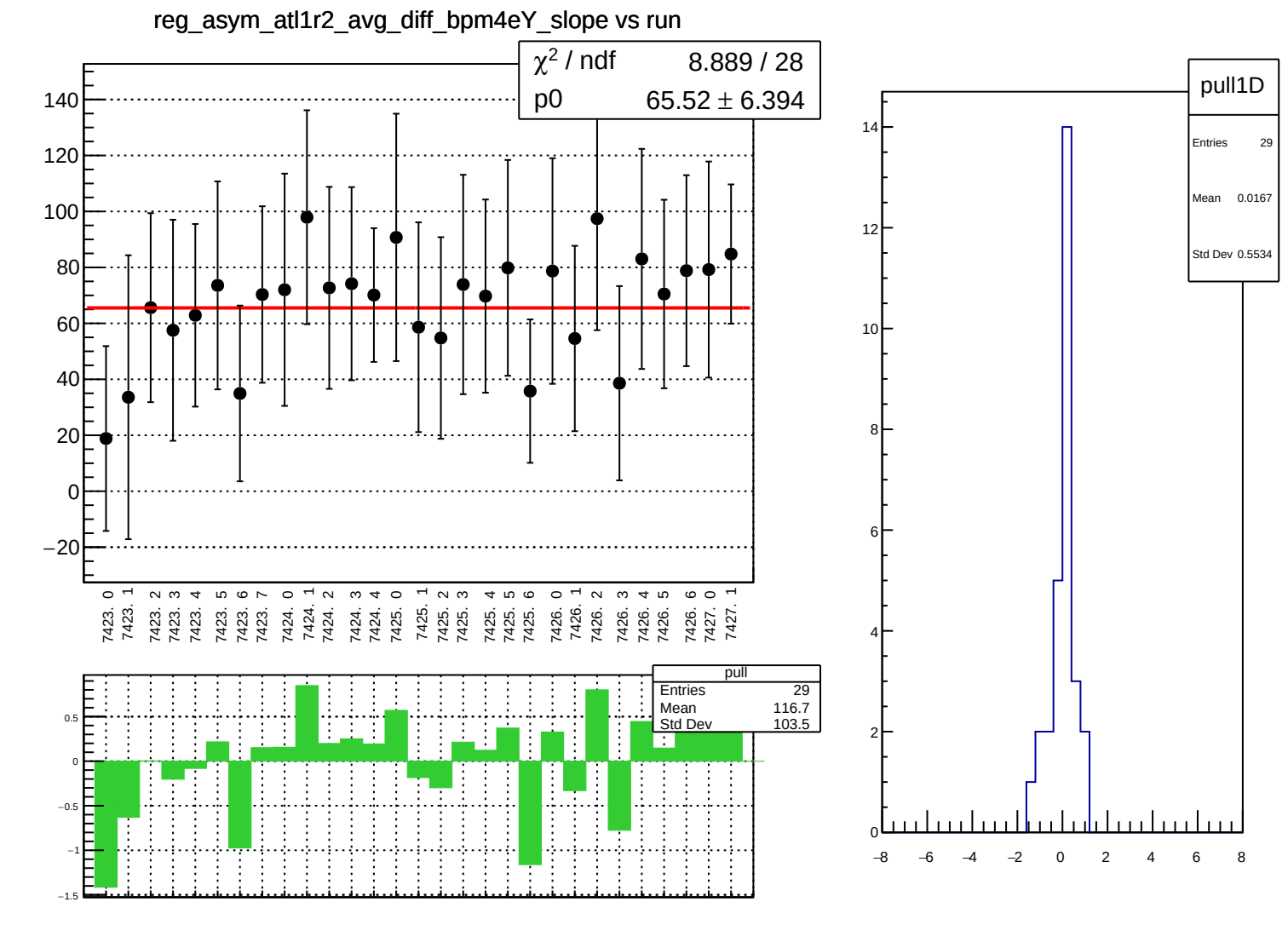

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 21.21 / 28
p0 −151.3 ± 6.048
−50
−100
−150
−200
−250
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.25
Std Dev 46.95
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.0916
Std Dev 0.8504
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

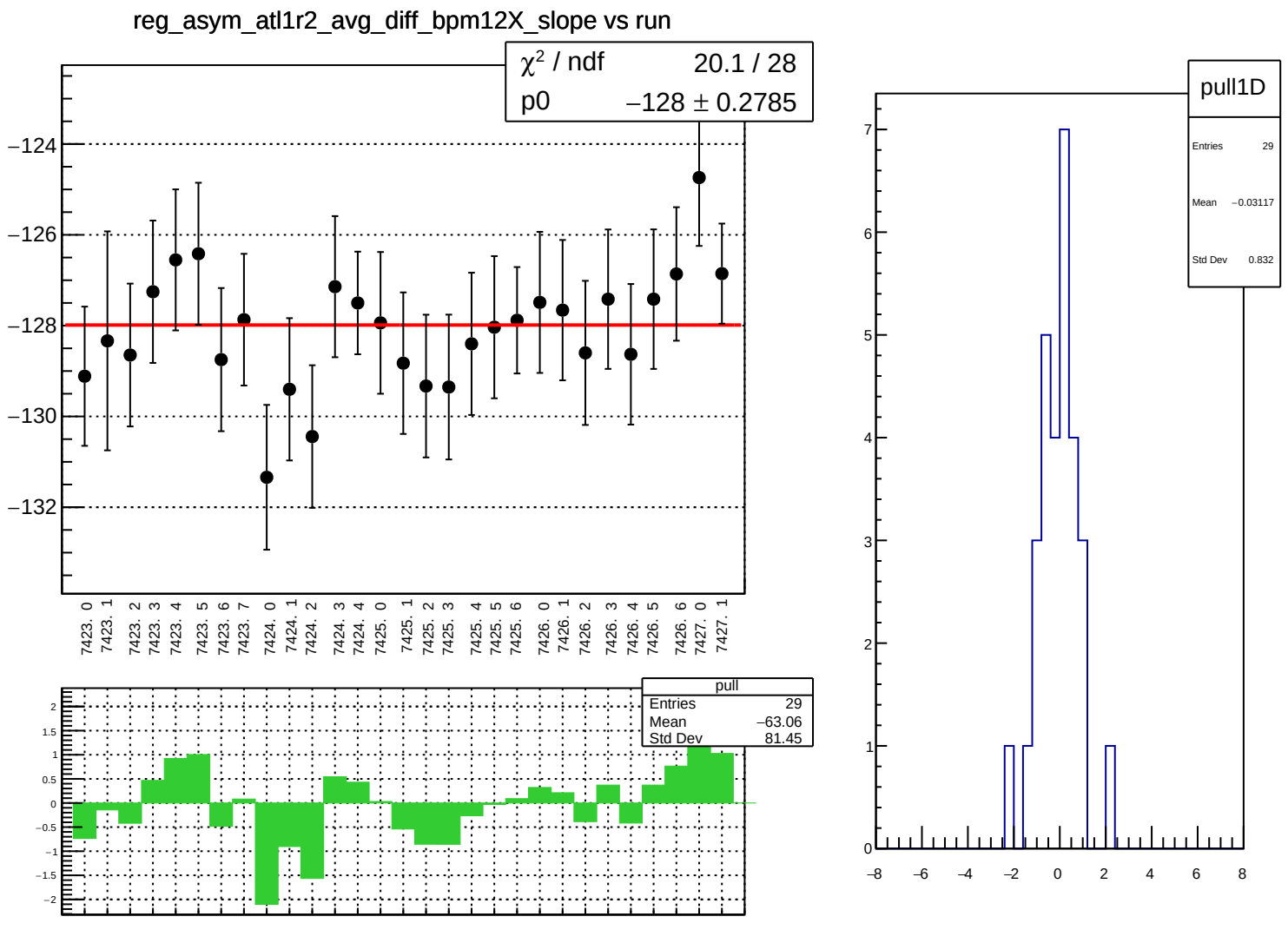

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.25 / 28
p0 −16.47 ± 5.958
60
40
20
0
−20
−40
−60
−80
−100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 75.09
Std Dev 61.3
1.5
1
0.5
0
−0.5
−1

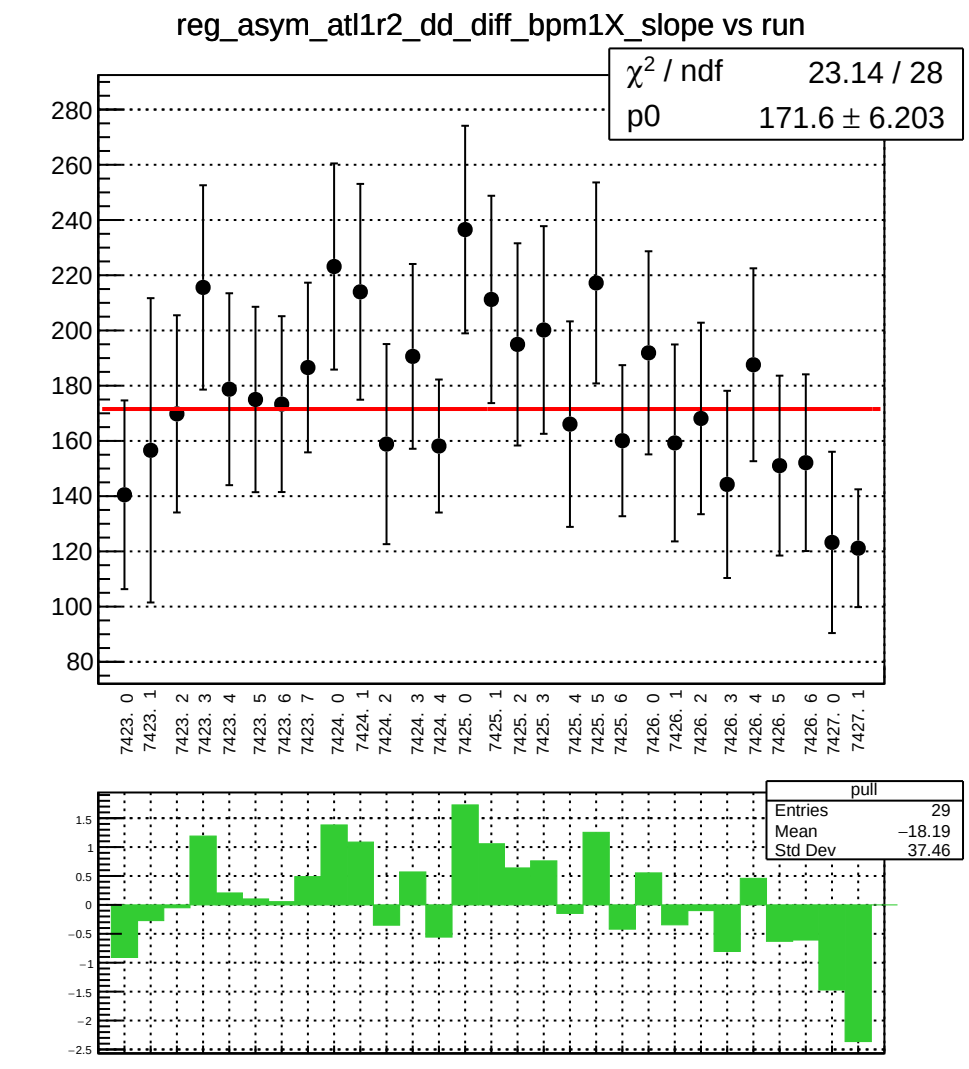

pull1D
Entries 29
Mean −0.03261
Std Dev 0.622
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

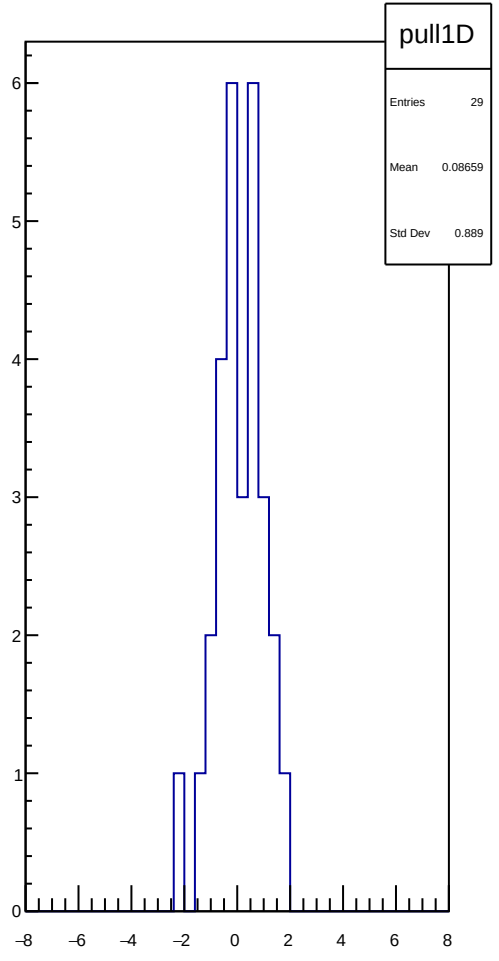

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.75 / 28
p0 219.2 ± 6.313
300
250
200
150
100
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −32.47
Std Dev 49.33
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

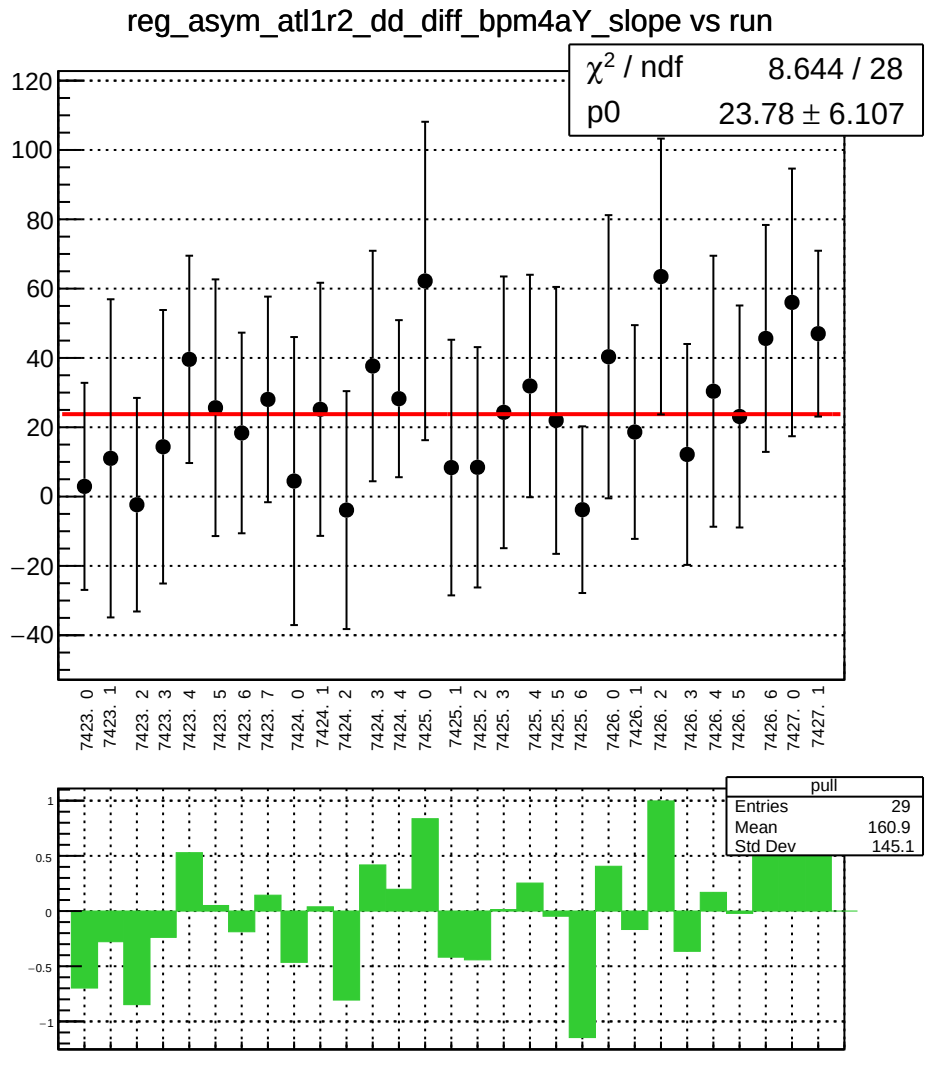

pull1D
Entries 29
Mean 0.08927
Std Dev 0.8615
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

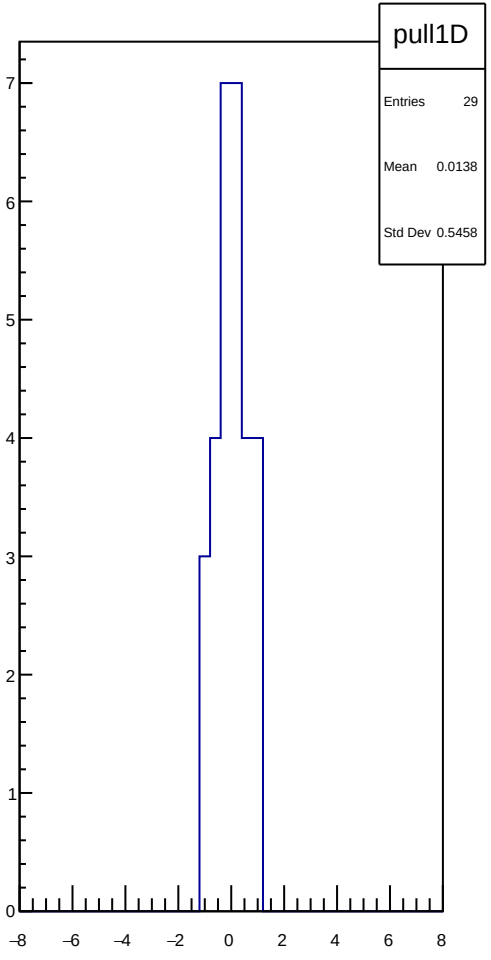

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.889 / 28
p0 65.52 ± 6.394
140
120
100
80
60
40
20
0
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 116.7
Std Dev 103.5
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.0167
Std Dev 0.5534
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

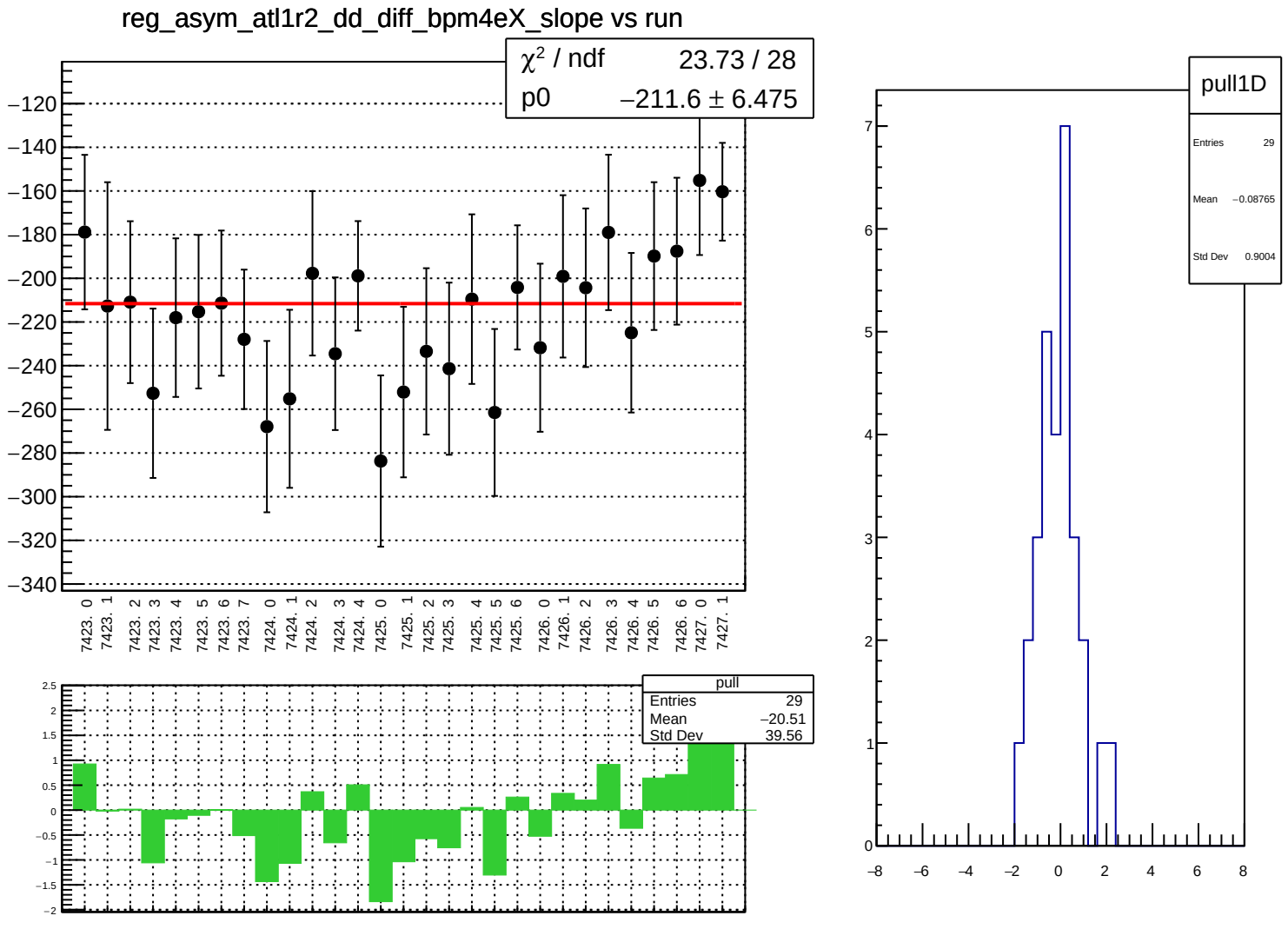

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 20.1 / 28
p0 −128 ± 0.2785
−124
−126
−128
−130
−132
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −63.06
Std Dev 81.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean −0.03117
Std Dev 0.832
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

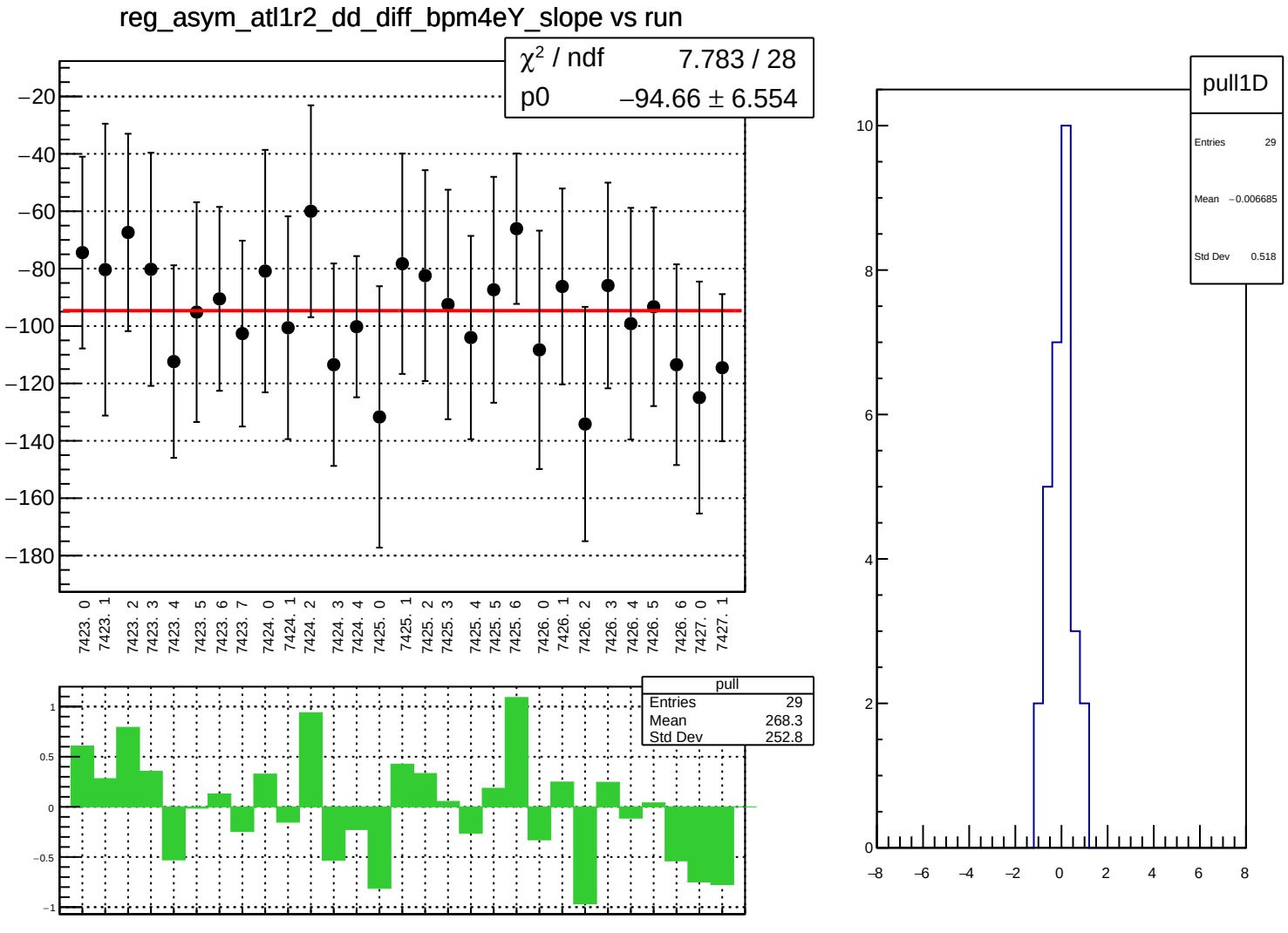

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 23.14 / 28
p0 171.6 ± 6.203
pull
Entries 29
Mean −18.19
Std Dev 37.46

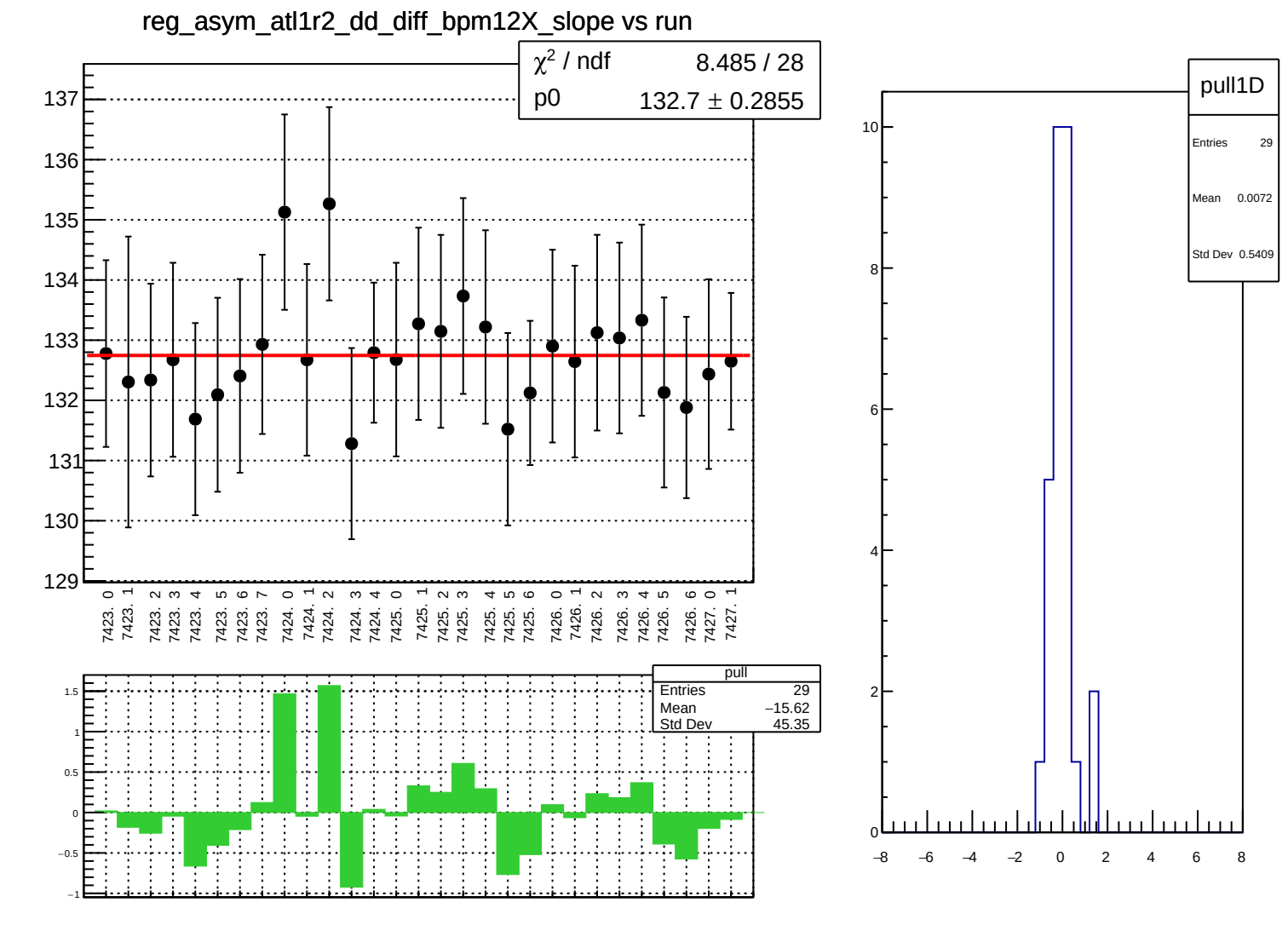

pull1D
Entries 29
Mean 0.08659
Std Dev 0.889

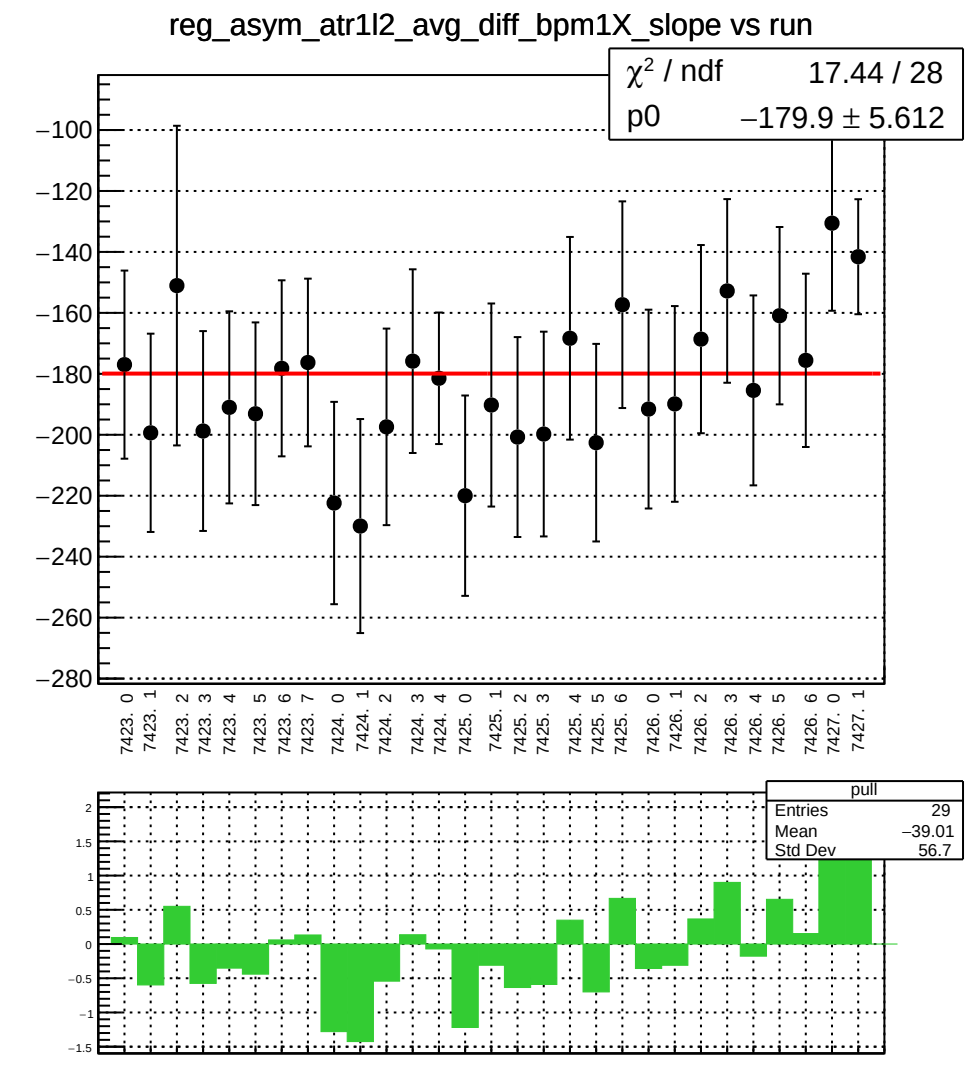

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.644 / 28
p0 23.78 ± 6.107
pull
Entries 29
Mean 160.9
Std Dev 145.1

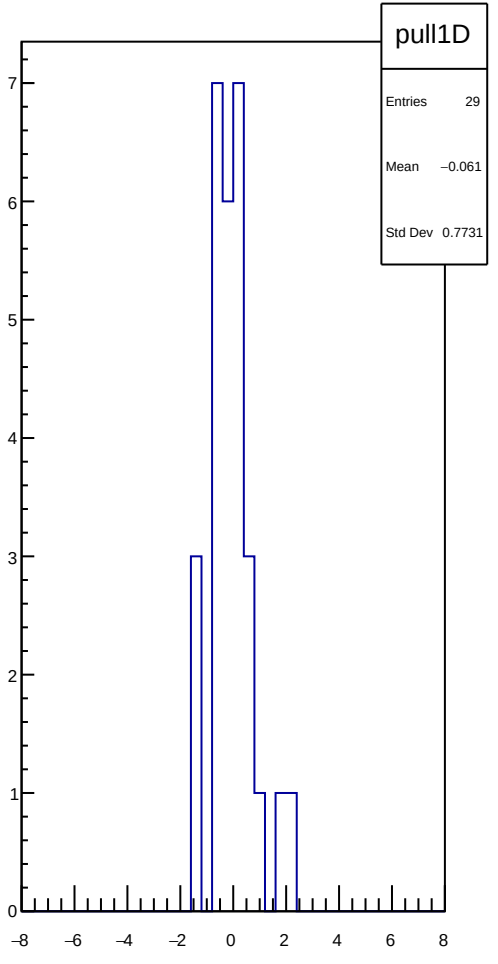

pull1D
Entries 29
Mean 0.0138
Std Dev 0.5458

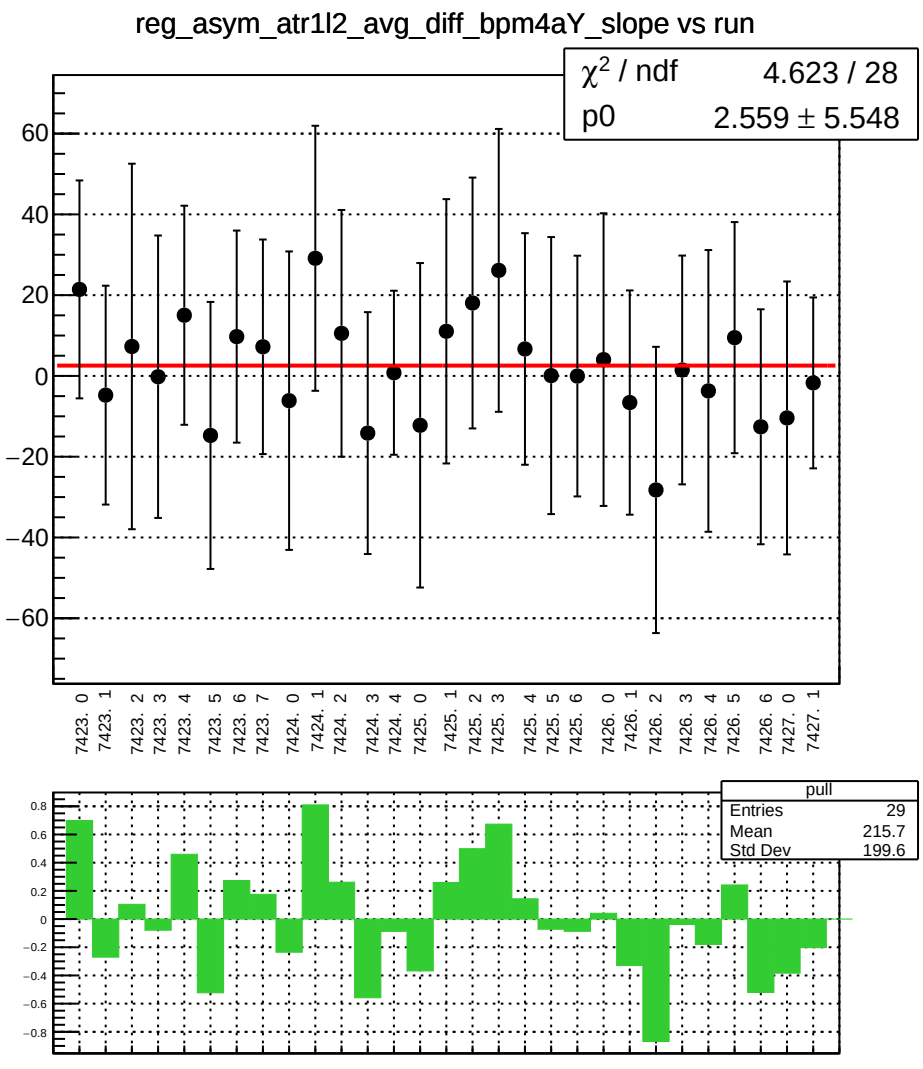

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.73 / 28
p0 −211.6 ± 6.475
−120
−140
−160
−180
−200
−220
−240
−260
−280
−300
−320
−340
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −20.51
Std Dev 39.56
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 29
Mean −0.08765
Std Dev 0.9004
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

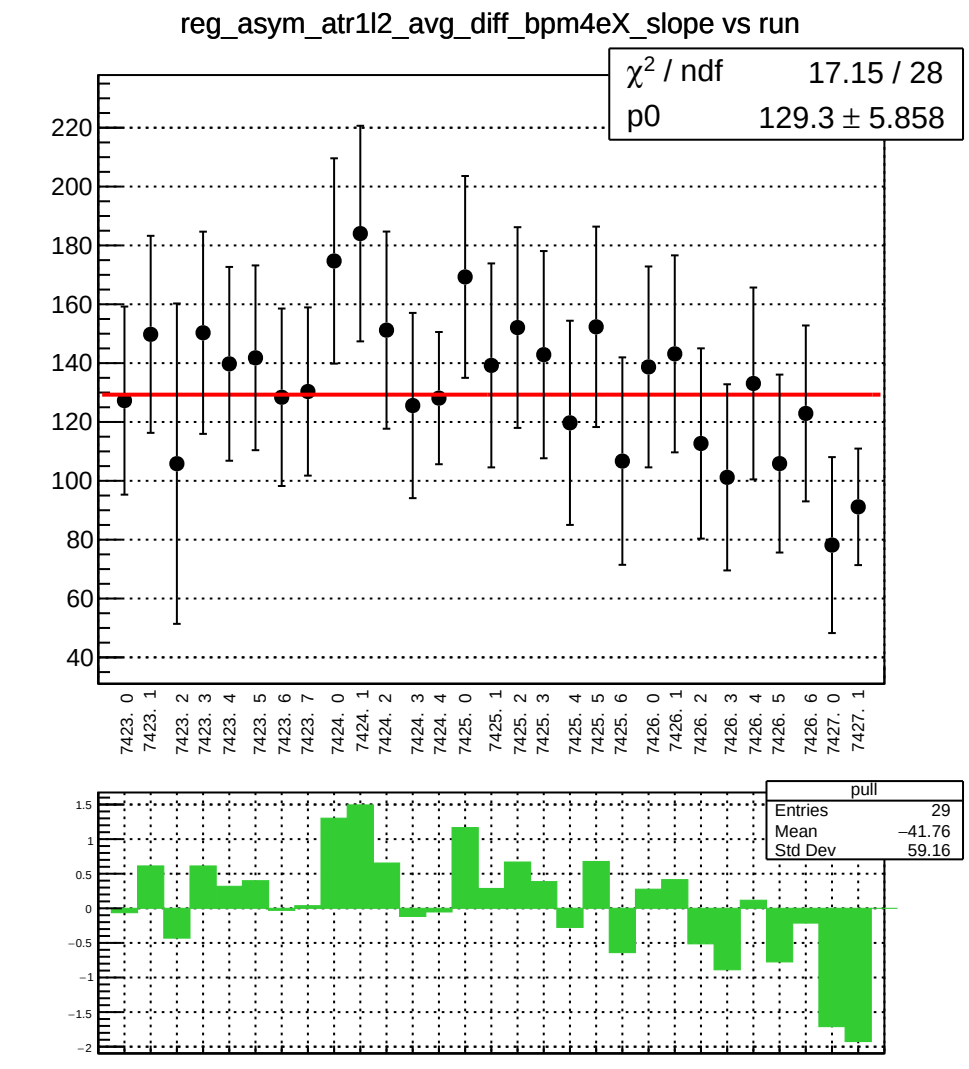

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.783 / 28
p0 −94.66 ± 6.554
−20
−40
−60
−80
−100
−120
−140
−160
−180
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 268.3
Std Dev 252.8
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean −0.006685
Std Dev 0.518
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

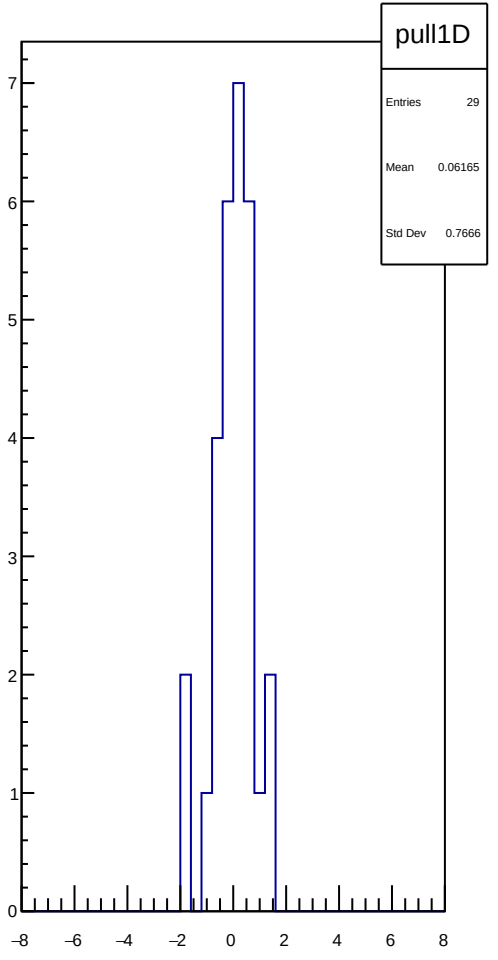

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.485 / 28
p0 132.7 ± 0.2855
137
136
135
134
133
132
131
130
129
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −15.62
Std Dev 45.35
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.0072
Std Dev 0.5409
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

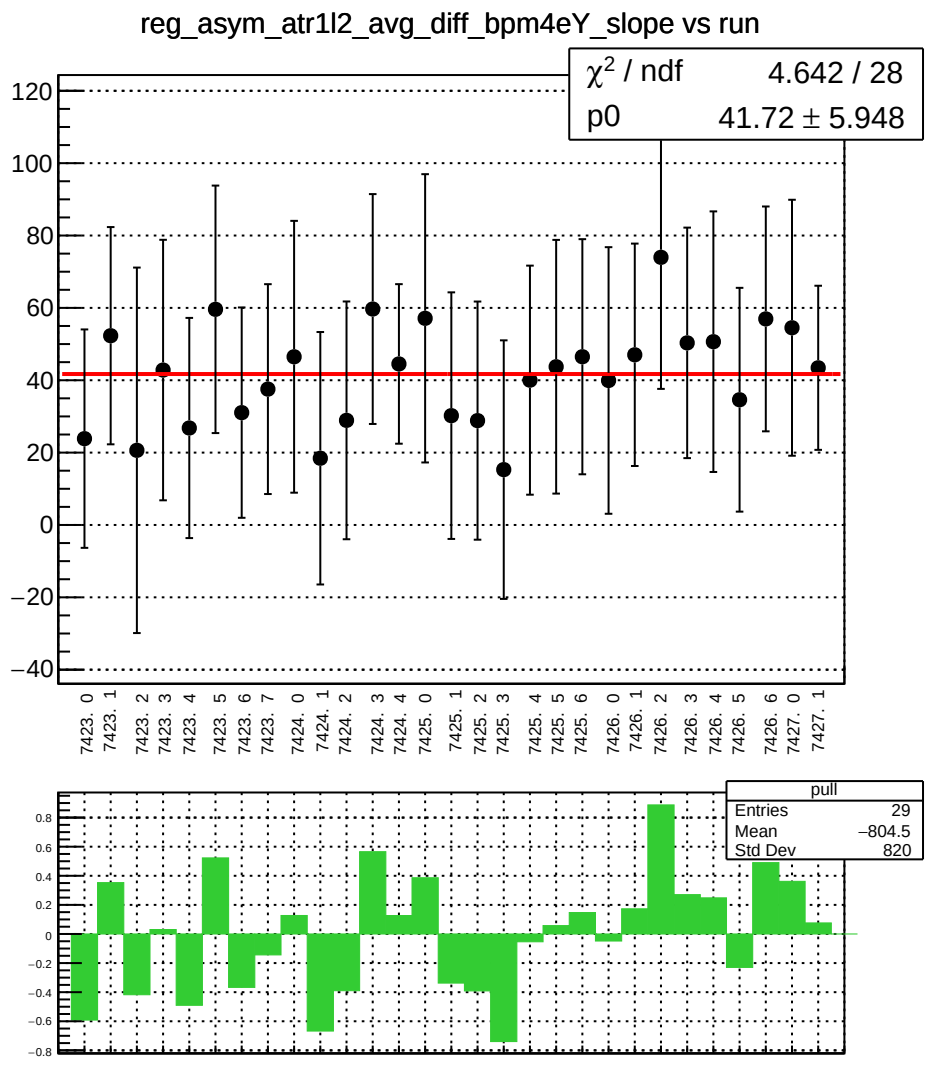

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 17.44 / 28
p0 −179.9 ± 5.612
−100
−120
−140
−160
−180
−200
−220
−240
−260
−280
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −39.01
Std Dev 56.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

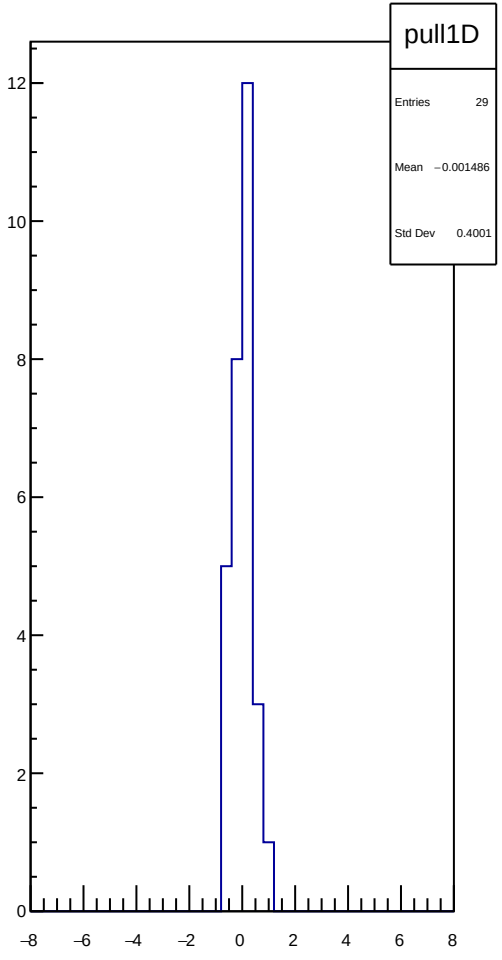

pull1D
Entries 29
Mean −0.061
Std Dev 0.7731
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

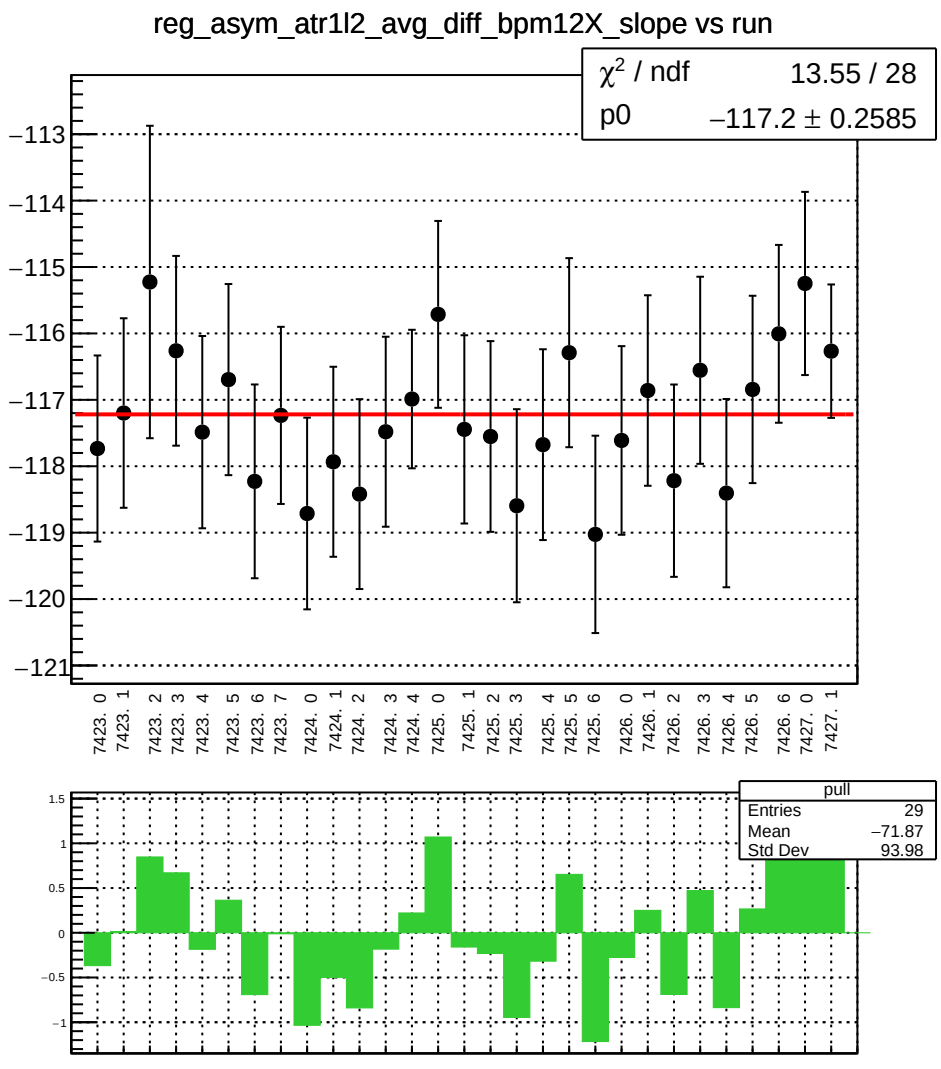

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.623 / 28
p0 2.559 ± 5.548
60
40
20
0
−20
−40
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 215.7
Std Dev 199.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 29
Mean −0.005562
Std Dev 0.3992
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

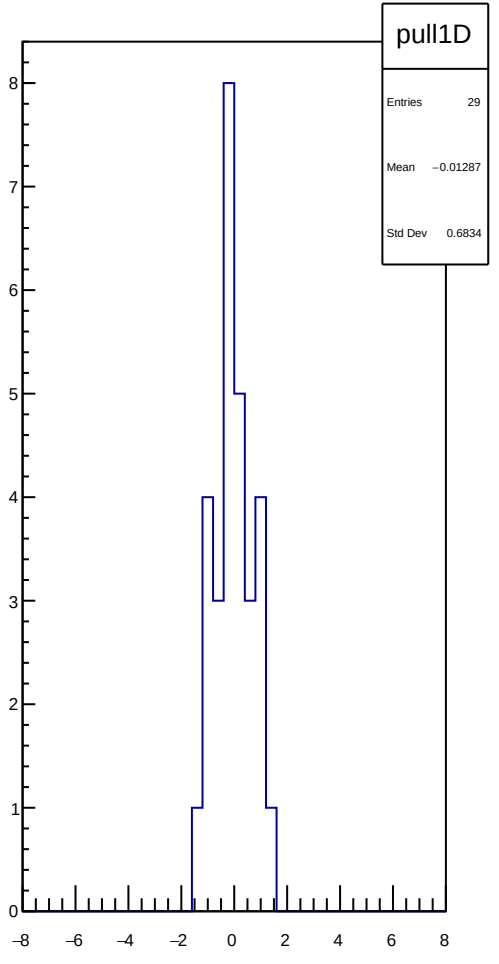

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.15 / 28
p0 129.3 ± 5.858
220
200
180
160
140
120
100
80
60
40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −41.76
Std Dev 59.16
1.5
1
0.5
0
−0.5
−1
−1.5
−2

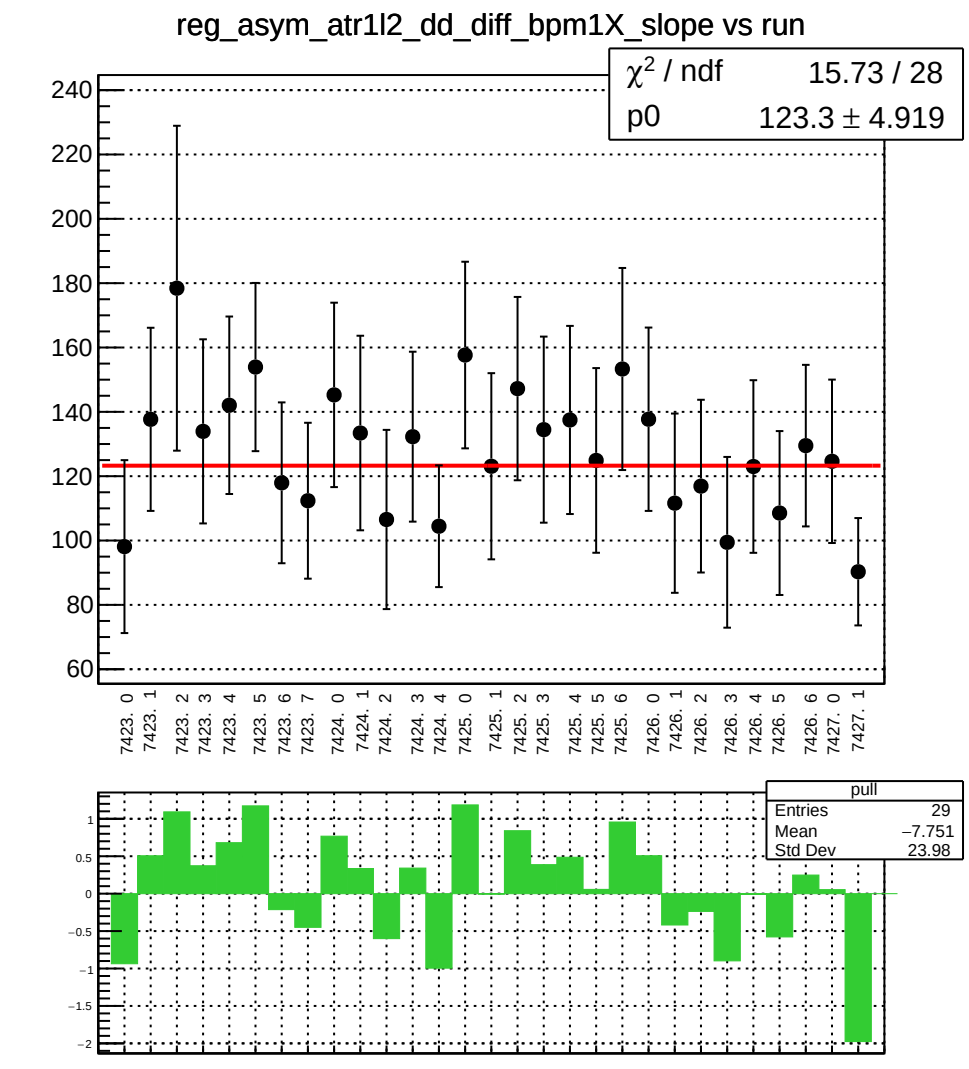

pull1D
Entries 29
Mean 0.06165
Std Dev 0.7666
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

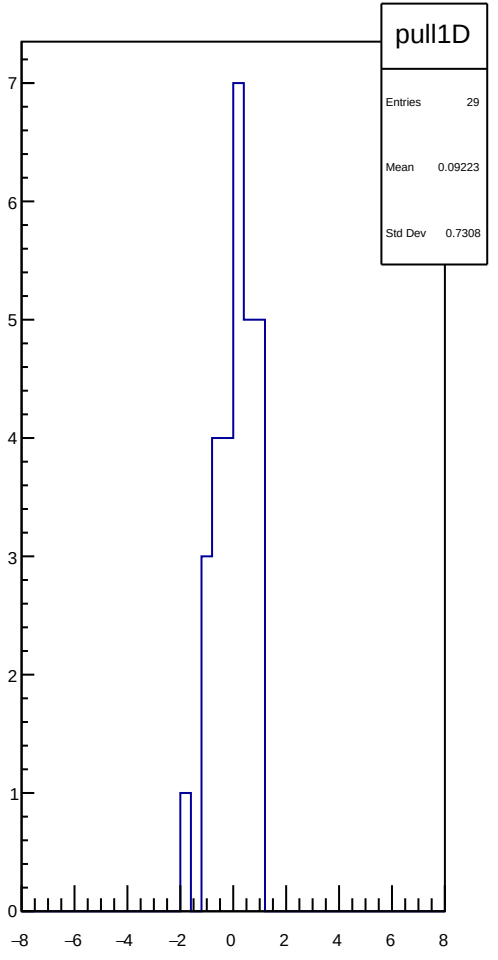

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.642 / 28
p0 41.72 ± 5.948
120
100
80
60
40
20
0
−20
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −804.5
Std Dev 820
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

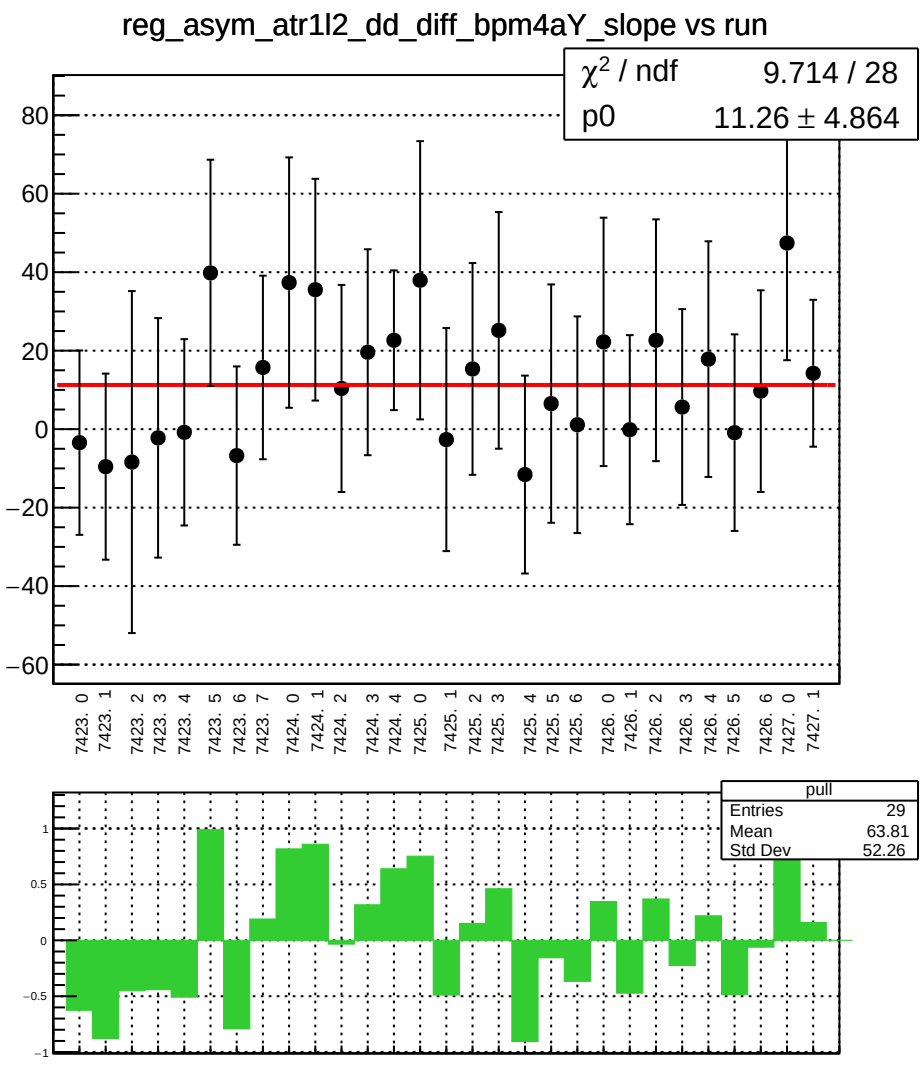

pull1D
Entries 29
Mean −0.001486
Std Dev 0.4001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

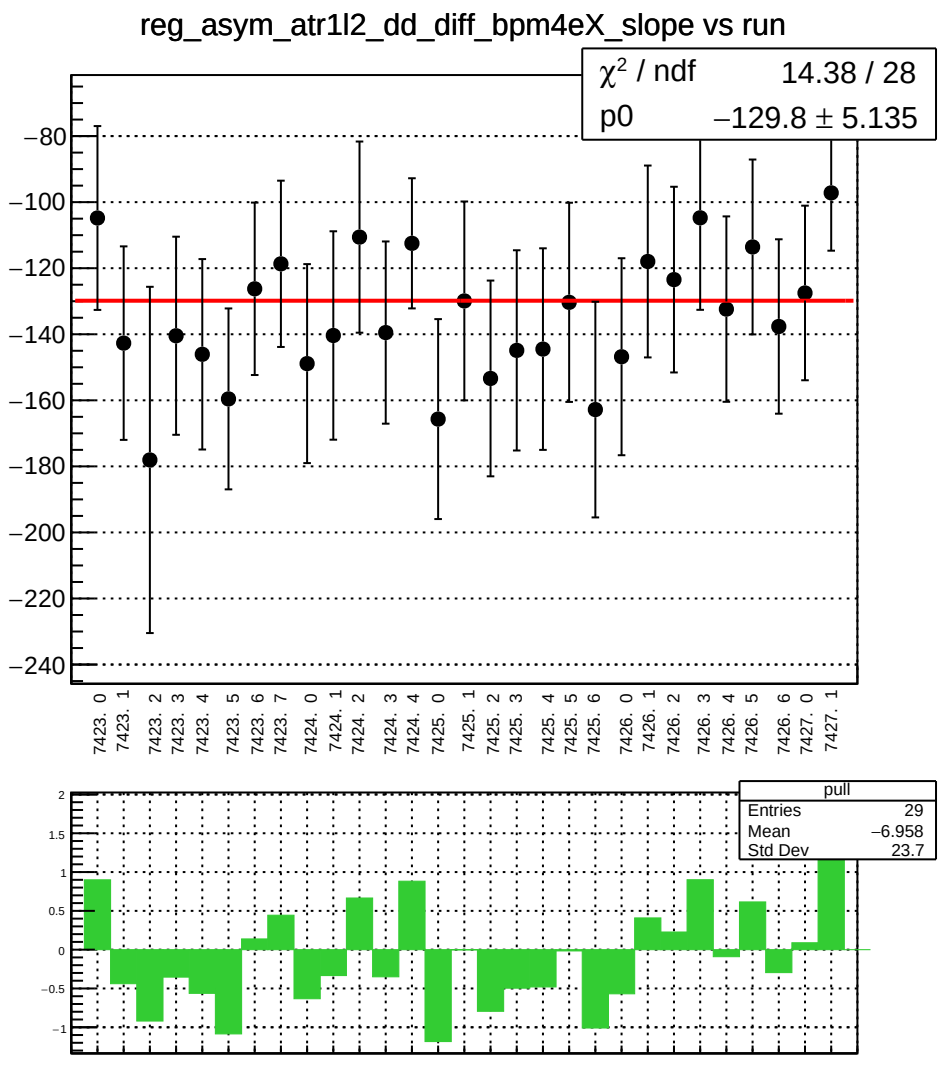

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.55 / 28
p0 −117.2 ± 0.2585
−113
−114
−115
−116
−117
−118
−119
−120
−121
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −71.87
Std Dev 93.98
1.5
1
0.5
0
−0.5
−1

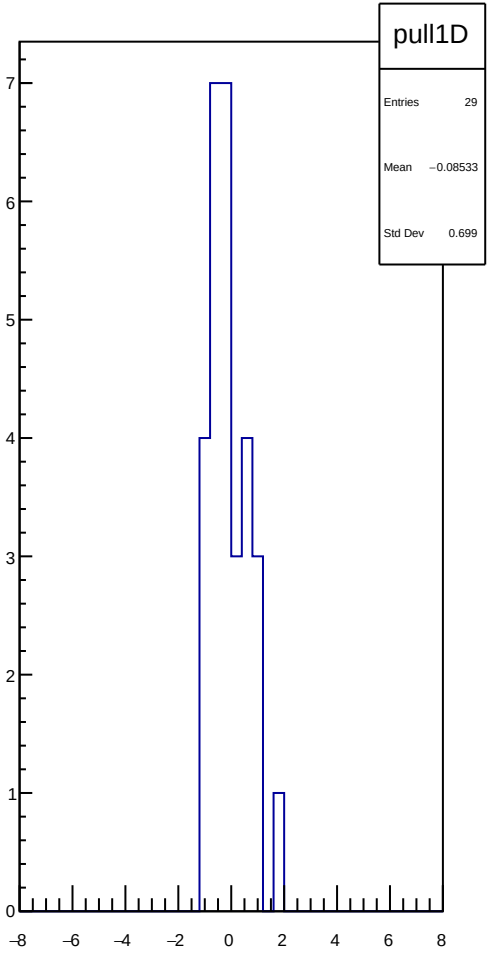

pull1D
Entries 29
Mean −0.01287
Std Dev 0.6834
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

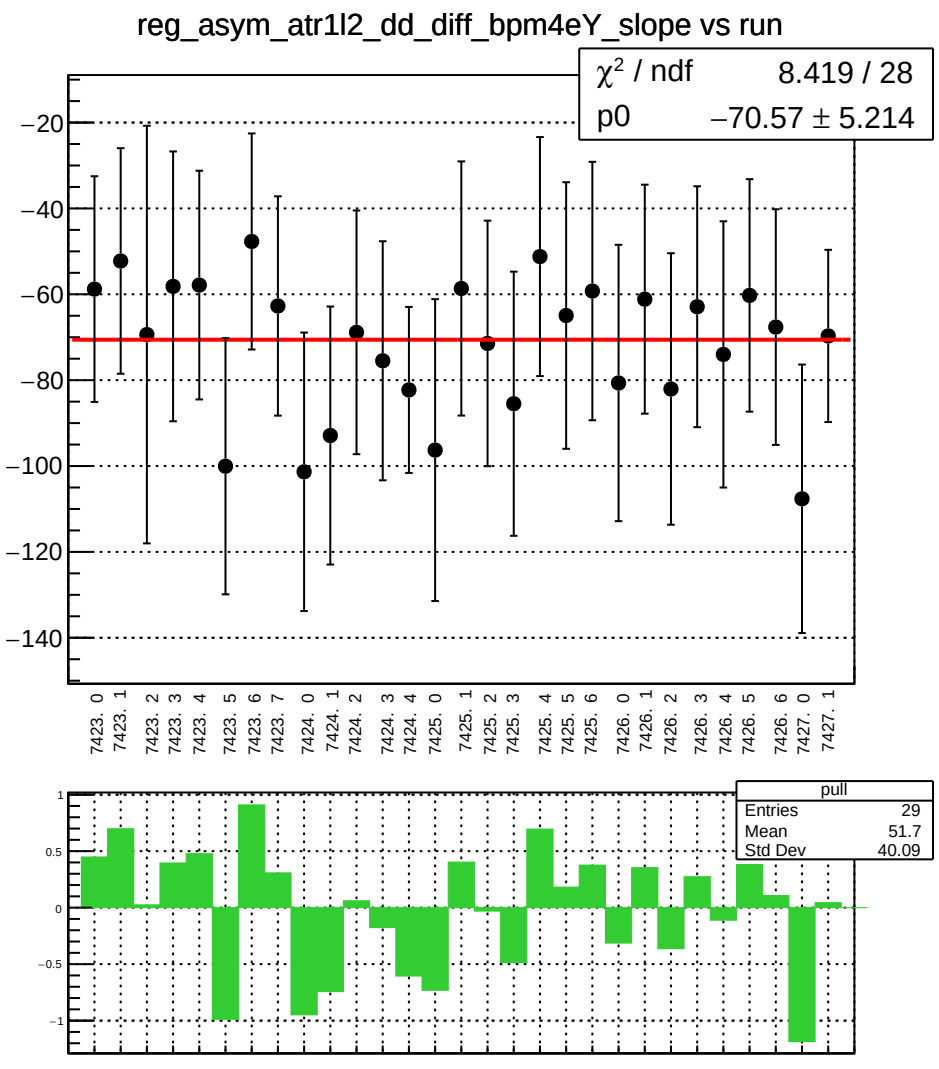

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 15.73 / 28
p0 123.3 ± 4.919
240
220
200
180
160
140
120
100
80
60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −7.751
Std Dev 23.98
1
0.5
0
−0.5
−1
−1.5
−2

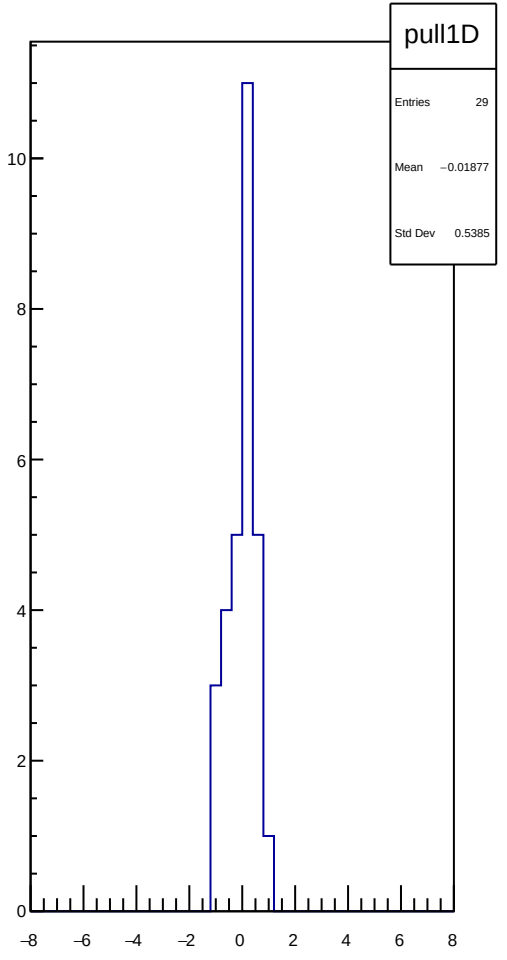

pull1D
Entries 29
Mean 0.09223
Std Dev 0.7308
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

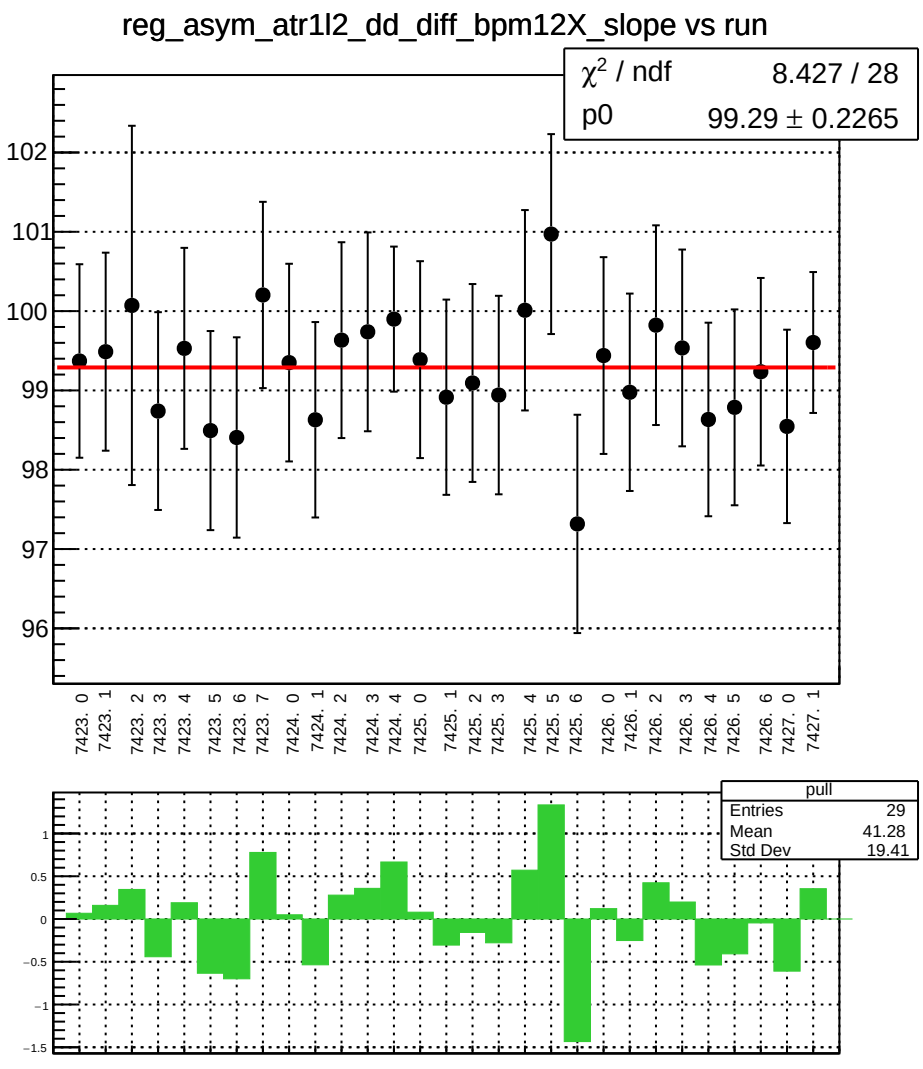

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.714 / 28
p0 11.26 ± 4.864
80
60
40
20
0
−20
−40
−60
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 63.81
Std Dev 52.26
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.02046
Std Dev 0.5784
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

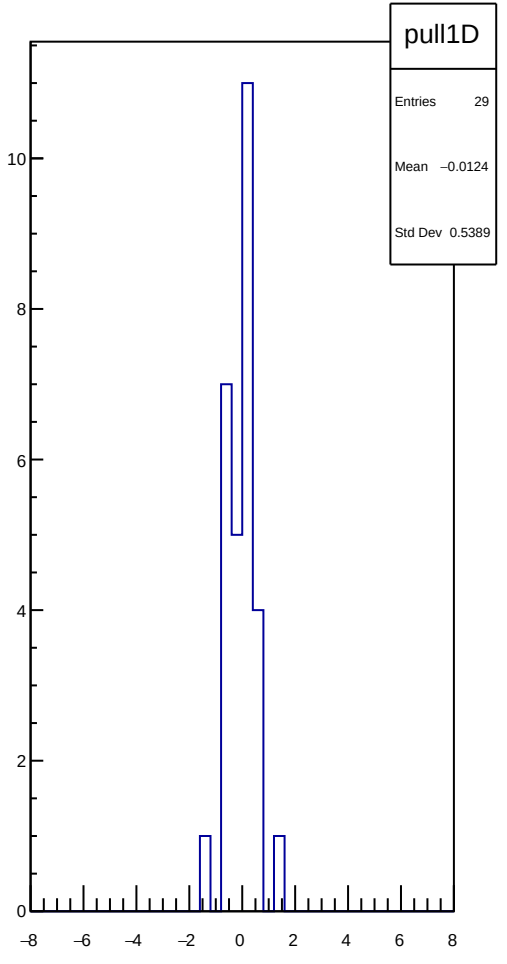

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.38 / 28
p0 −129.8 ± 5.135
−80
−100
−120
−140
−160
−180
−200
−220
−240
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −6.958
Std Dev 23.7
2
1.5
1
0.5
0
−0.5
−1

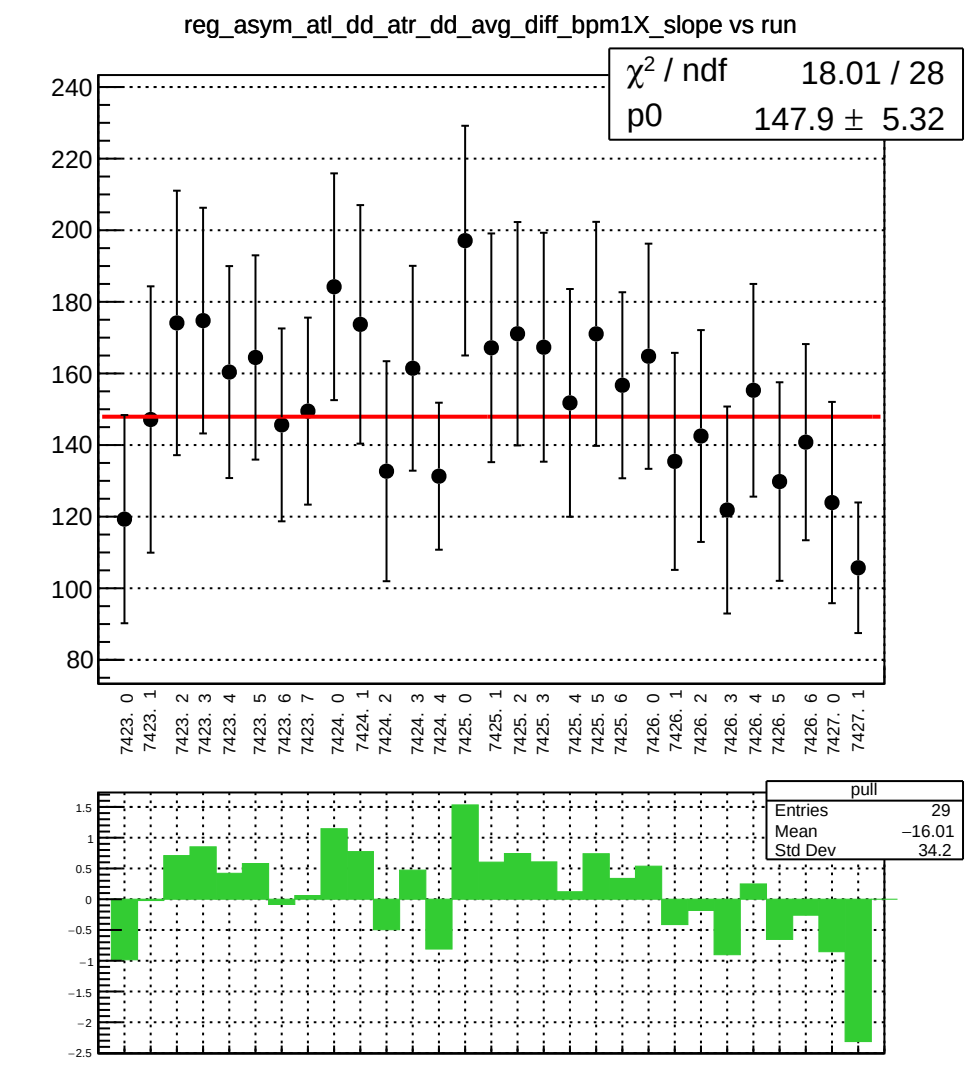

pull1D
Entries 29
Mean −0.08533
Std Dev 0.699
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

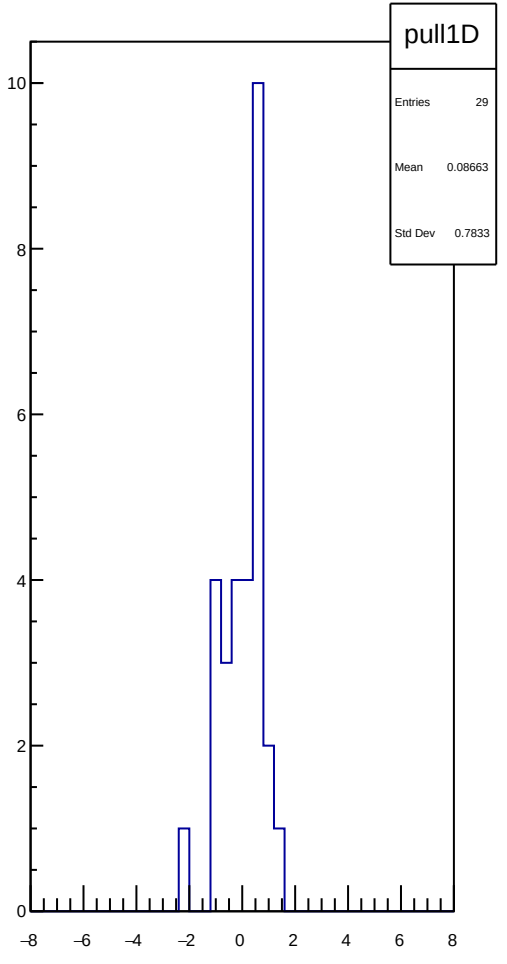

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.419 / 28
p0 −70.57 ± 5.214
−20
−40
−60
−80
−100
−120
−140
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 51.7
Std Dev 40.09
1
0.5
0
−0.5
−1

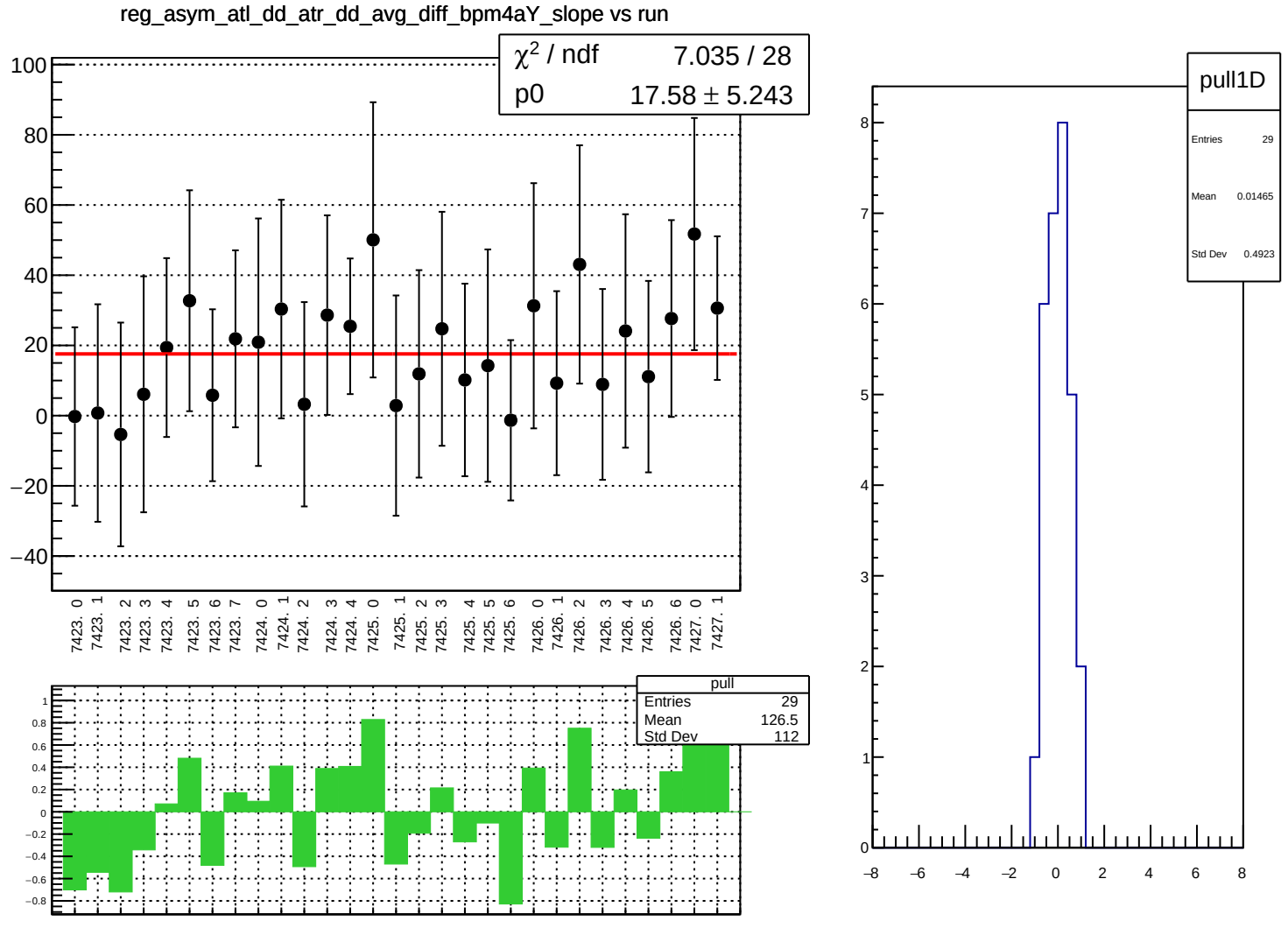

pull1D
Entries 29
Mean −0.01877
Std Dev 0.5385
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

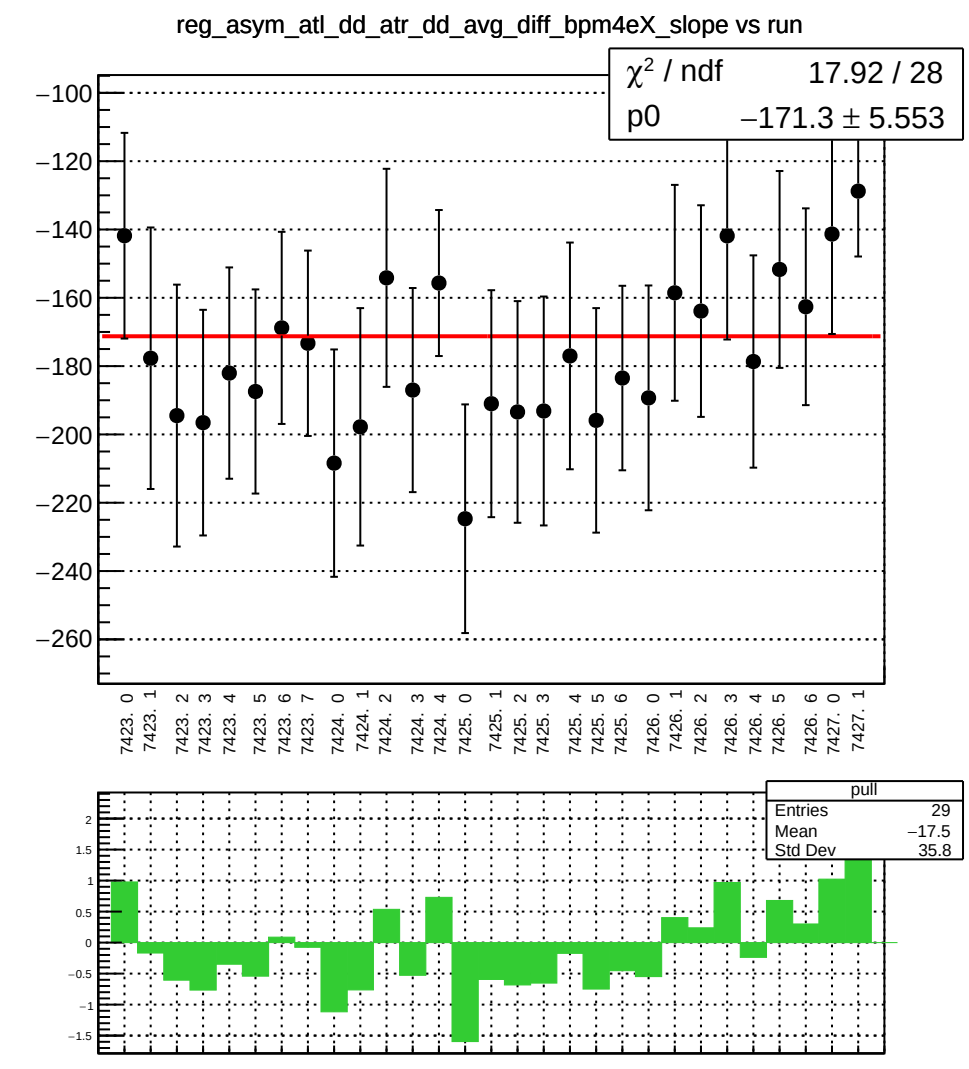

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.427 / 28
p0 99.29 ± 0.2265
102
101
100
99
98
97
96
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 41.28
Std Dev 19.41
1
0.5
0
−0.5
−1
−1.5

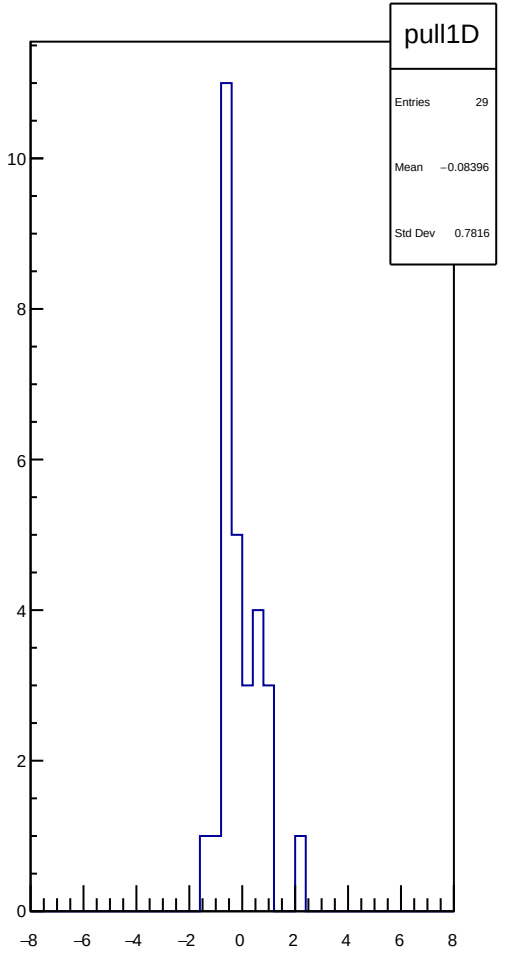

pull1D
Entries 29
Mean −0.0124
Std Dev 0.5389
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

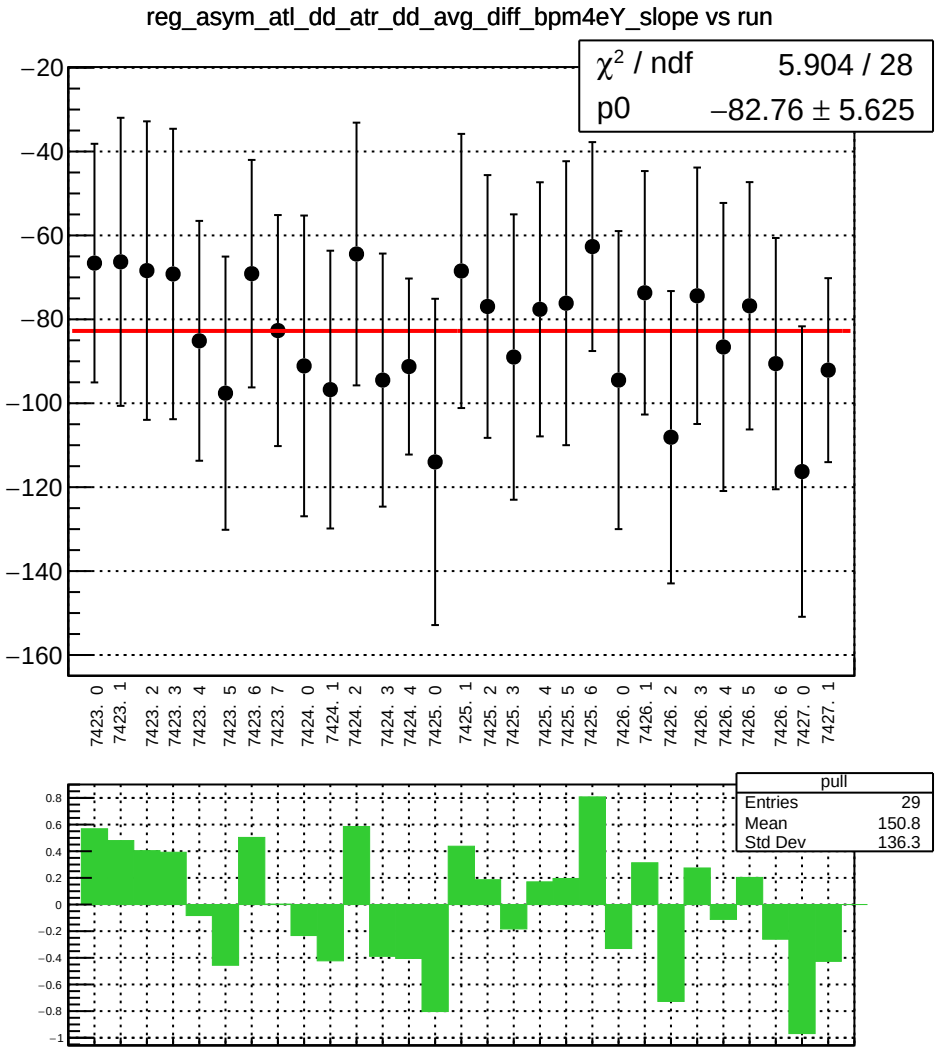

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 18.01 / 28
p0 147.9 ± 5.32
240
220
200
180
160
140
120
100
80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −16.01
Std Dev 34.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

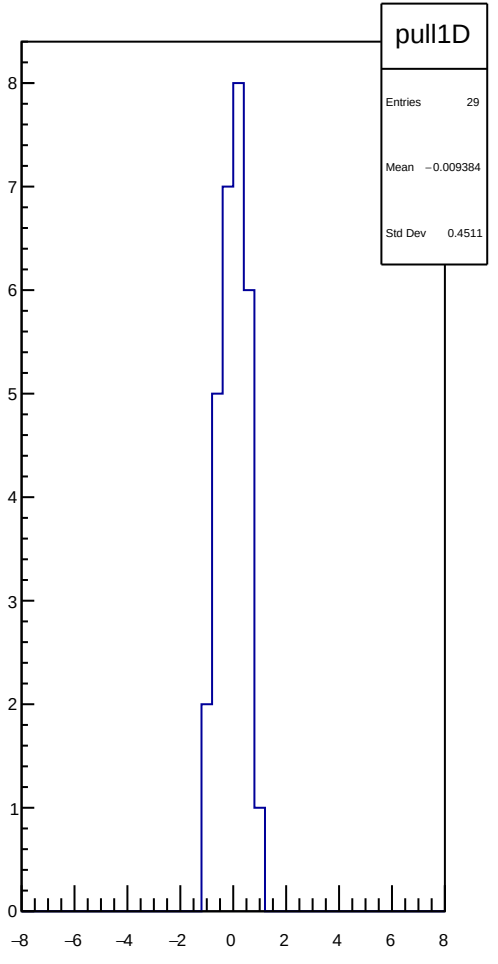

pull1D
Entries 29
Mean 0.08663
Std Dev 0.7833
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

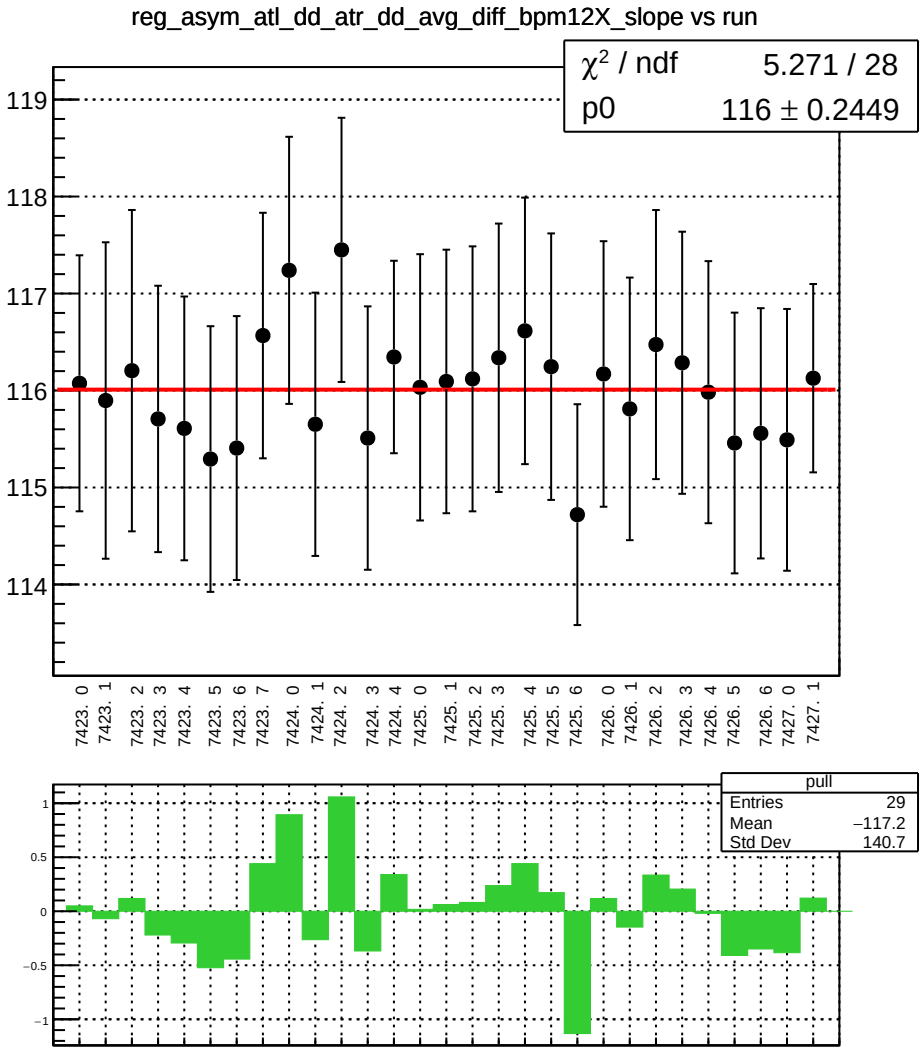

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.035 / 28
p0 17.58 ± 5.243
100
80
60
40
20
0
−20
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 126.5
Std Dev 112
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 29
Mean 0.01465
Std Dev 0.4923
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

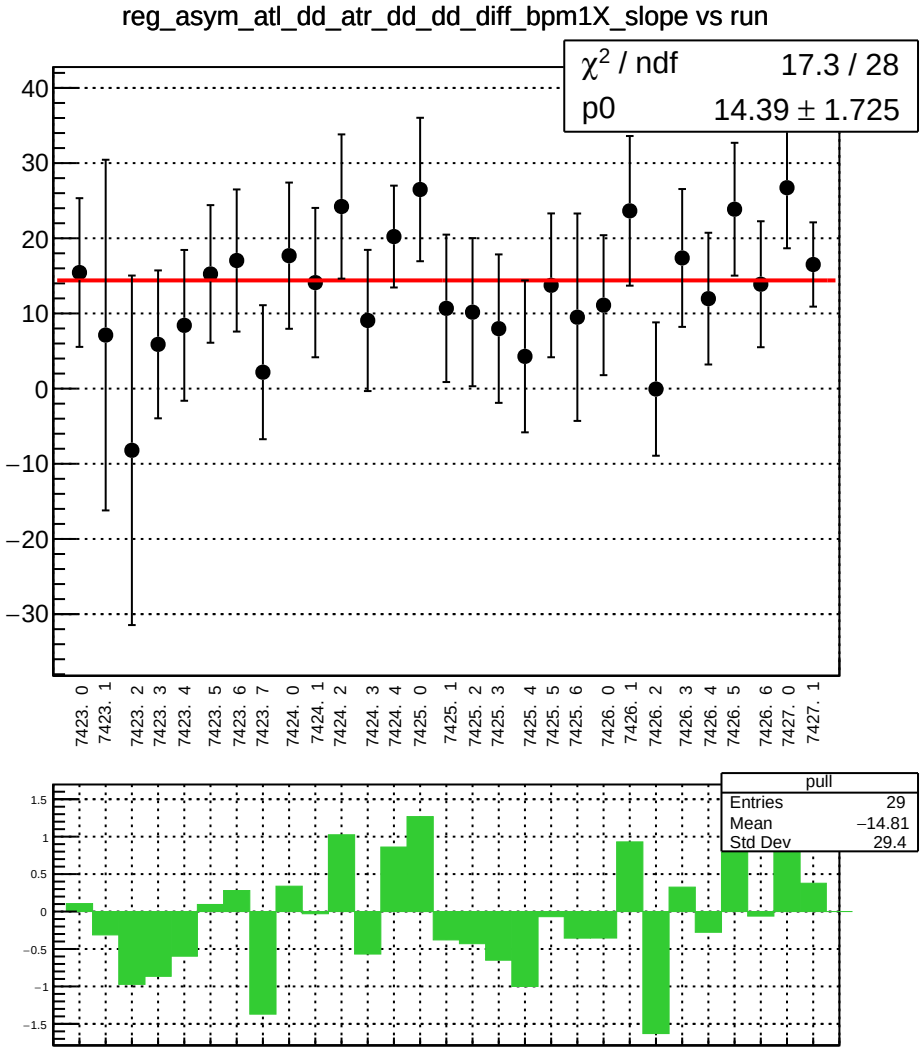

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.92 / 28
p0 −171.3 ± 5.553
−100
−120
−140
−160
−180
−200
−220
−240
−260
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −17.5
Std Dev 35.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

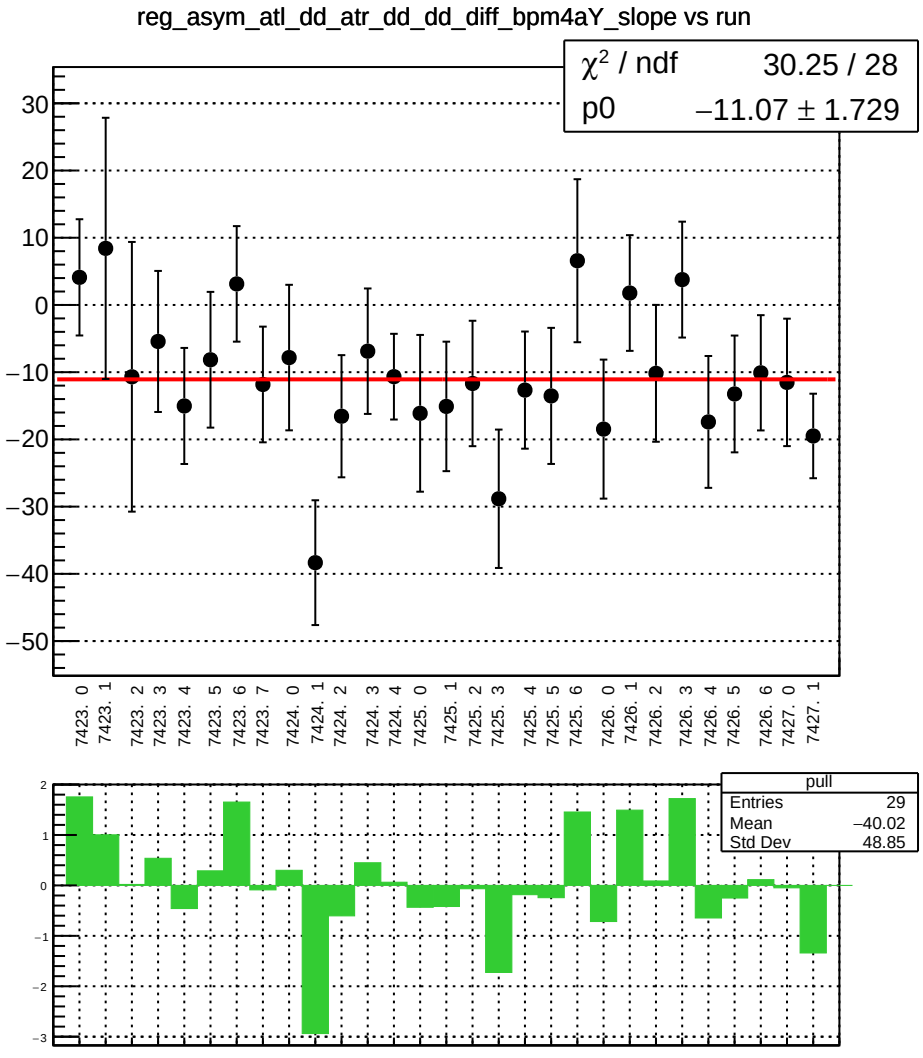

pull1D
Entries 29
Mean −0.08396
Std Dev 0.7816
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

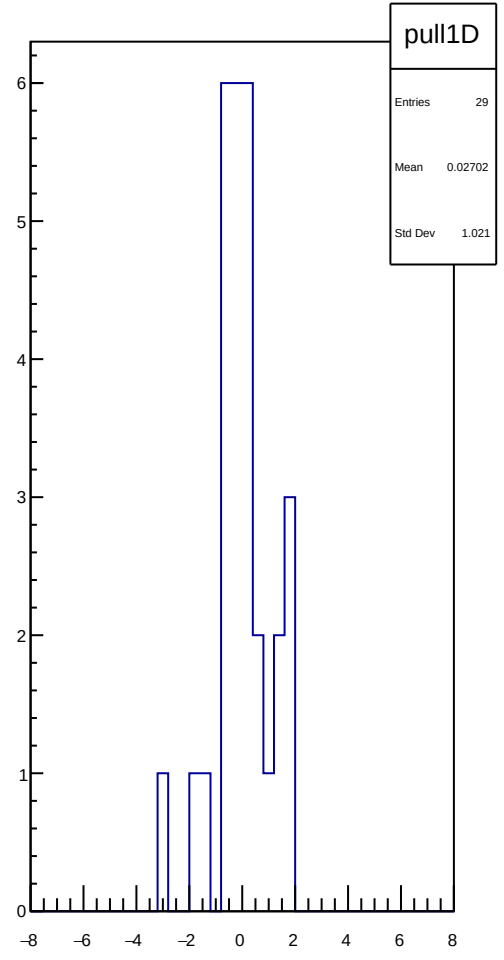

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.904 / 28
p0 −82.76 ± 5.625
−20
−40
−60
−80
−100
−120
−140
−160
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 150.8
Std Dev 136.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

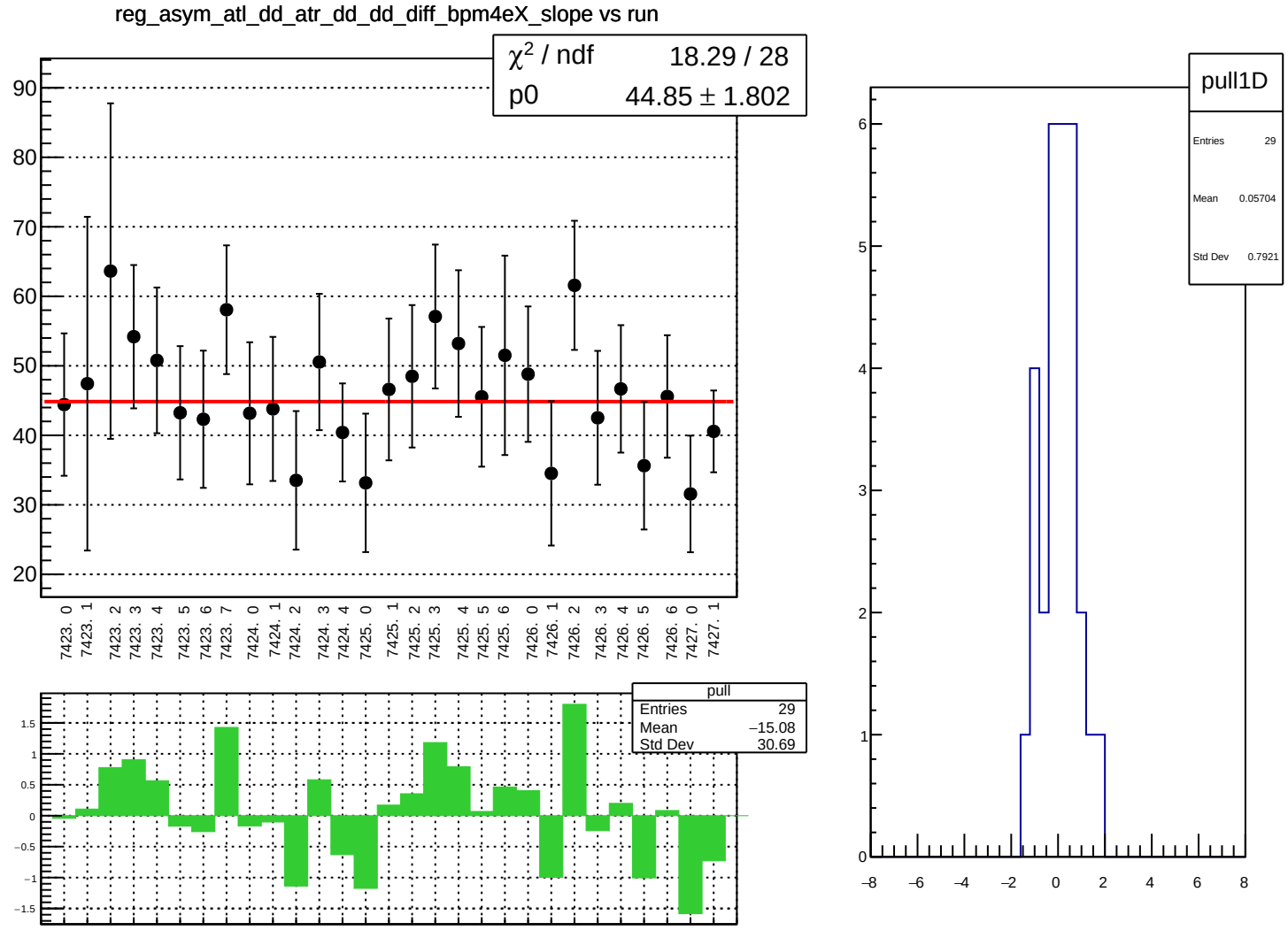

pull1D
Entries 29
Mean −0.009384
Std Dev 0.4511
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

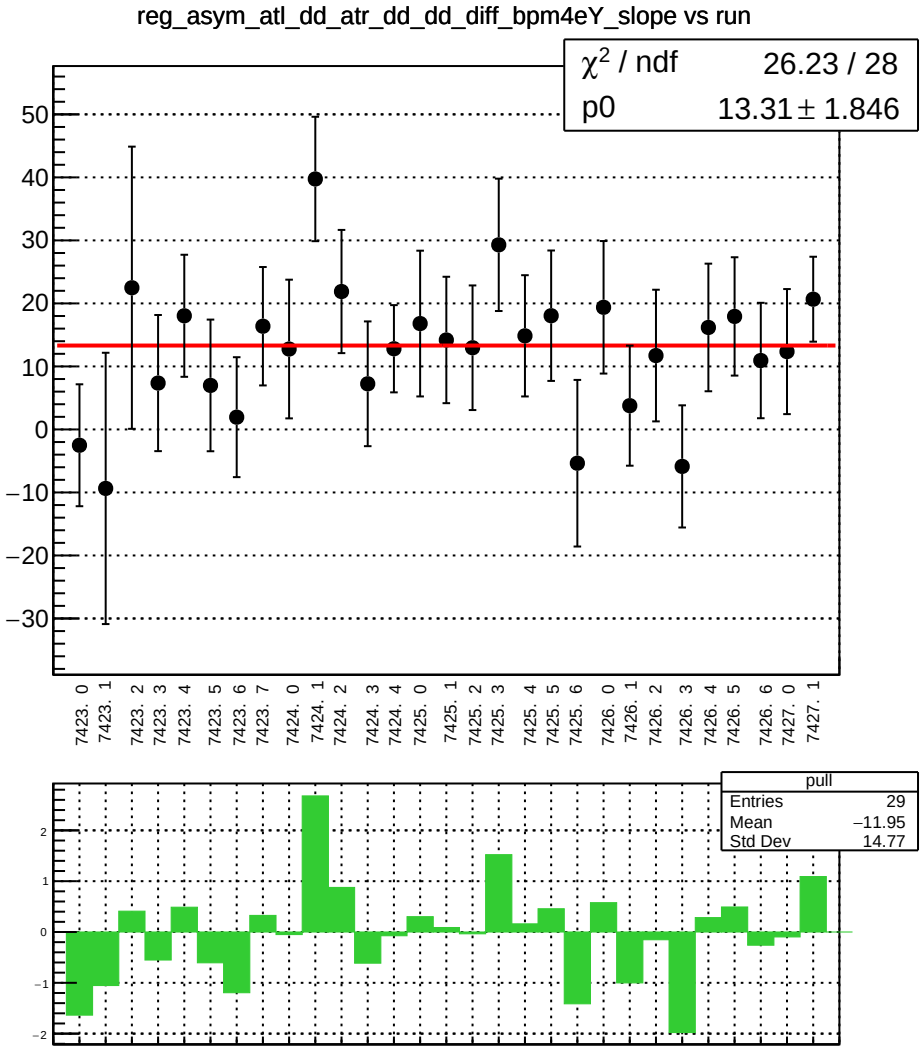

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 5.271 / 28
p0 116 ± 0.2449
119
118
117
116
115
114
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −117.2
Std Dev 140.7
1
0.5
0
−0.5
−1
pull1D
Entries 29
Mean 0.002519
Std Dev 0.4263
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

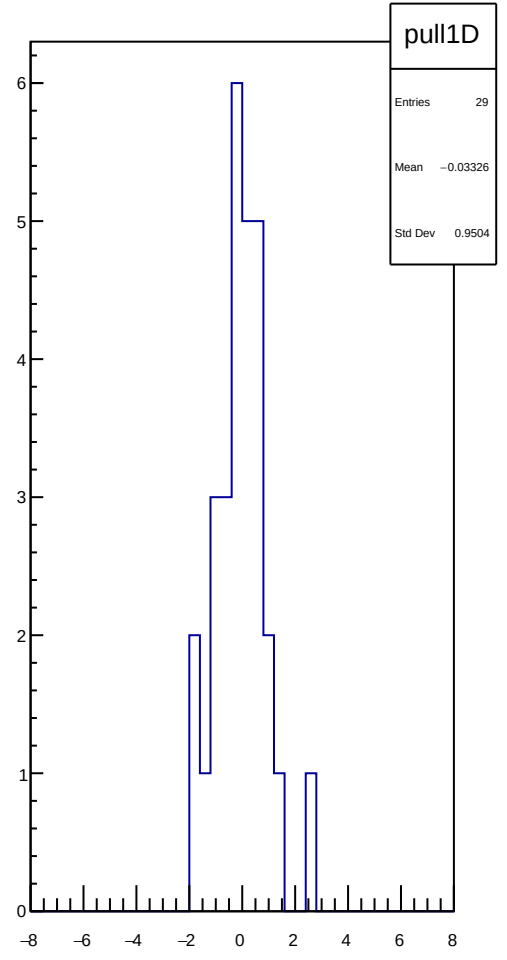

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 17.3 / 28
p0 14.39 ± 1.725
40
30
20
10
0
−10
−20
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −14.81
Std Dev 29.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean −0.05875
Std Dev 0.7702
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

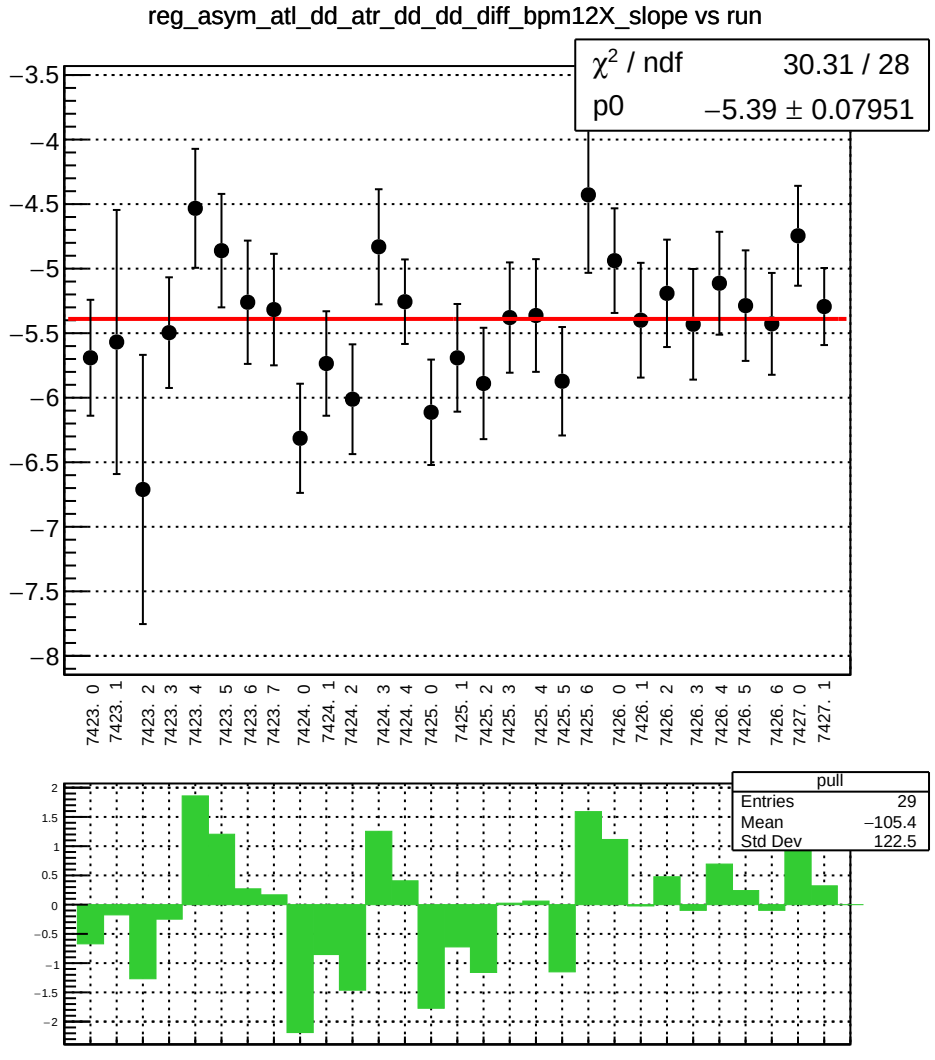

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.25 / 28
p0 −11.07 ± 1.729
30
20
10
0
−10
−20
−30
−40
−50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −40.02
Std Dev 48.85
2
1
0
−1
−2
−3

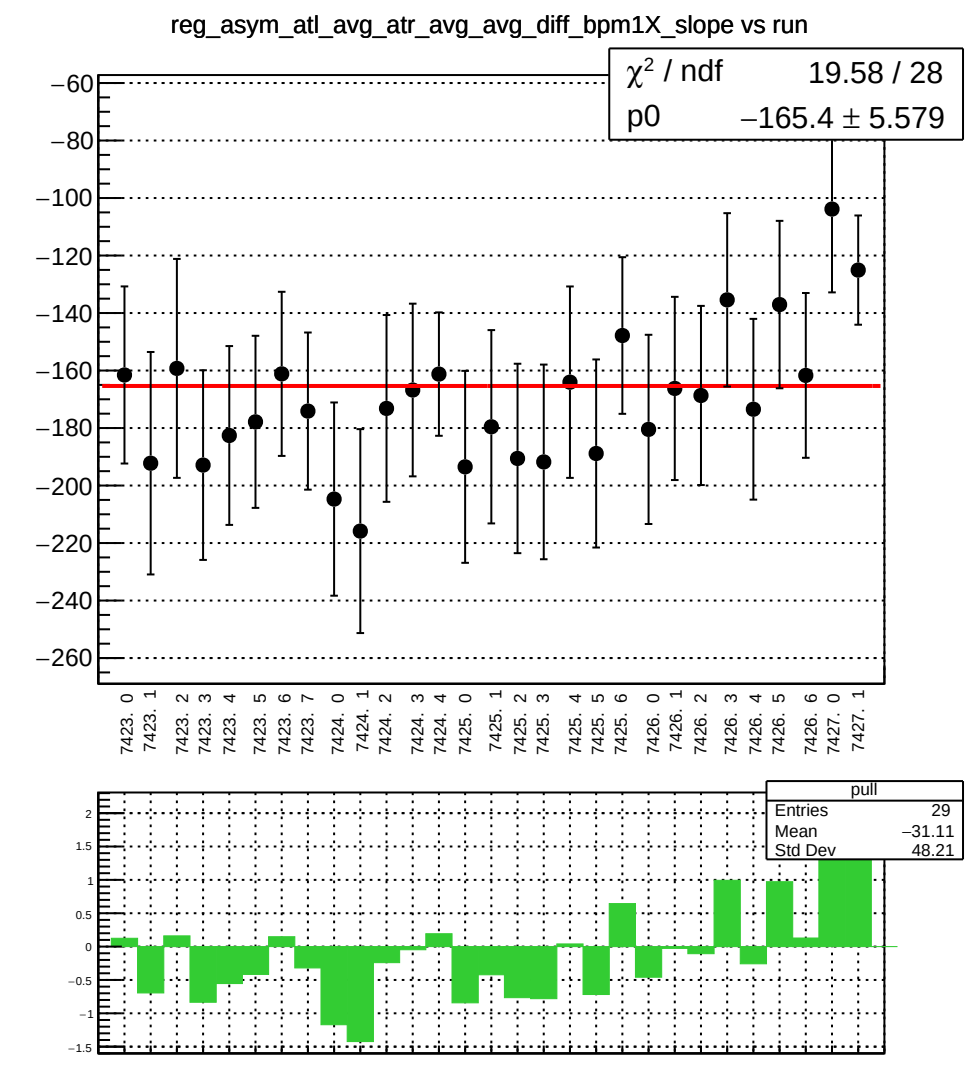

pull1D
Entries 29
Mean 0.02702
Std Dev 1.021
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

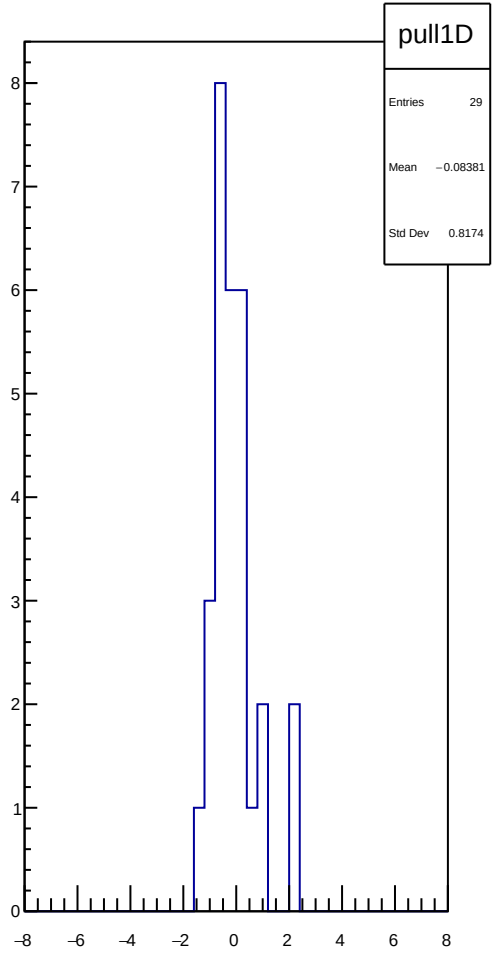

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.29 / 28
p0 44.85 ± 1.802
90
80
70
60
50
40
30
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −15.08
Std Dev 30.69
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.05704
Std Dev 0.7921
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

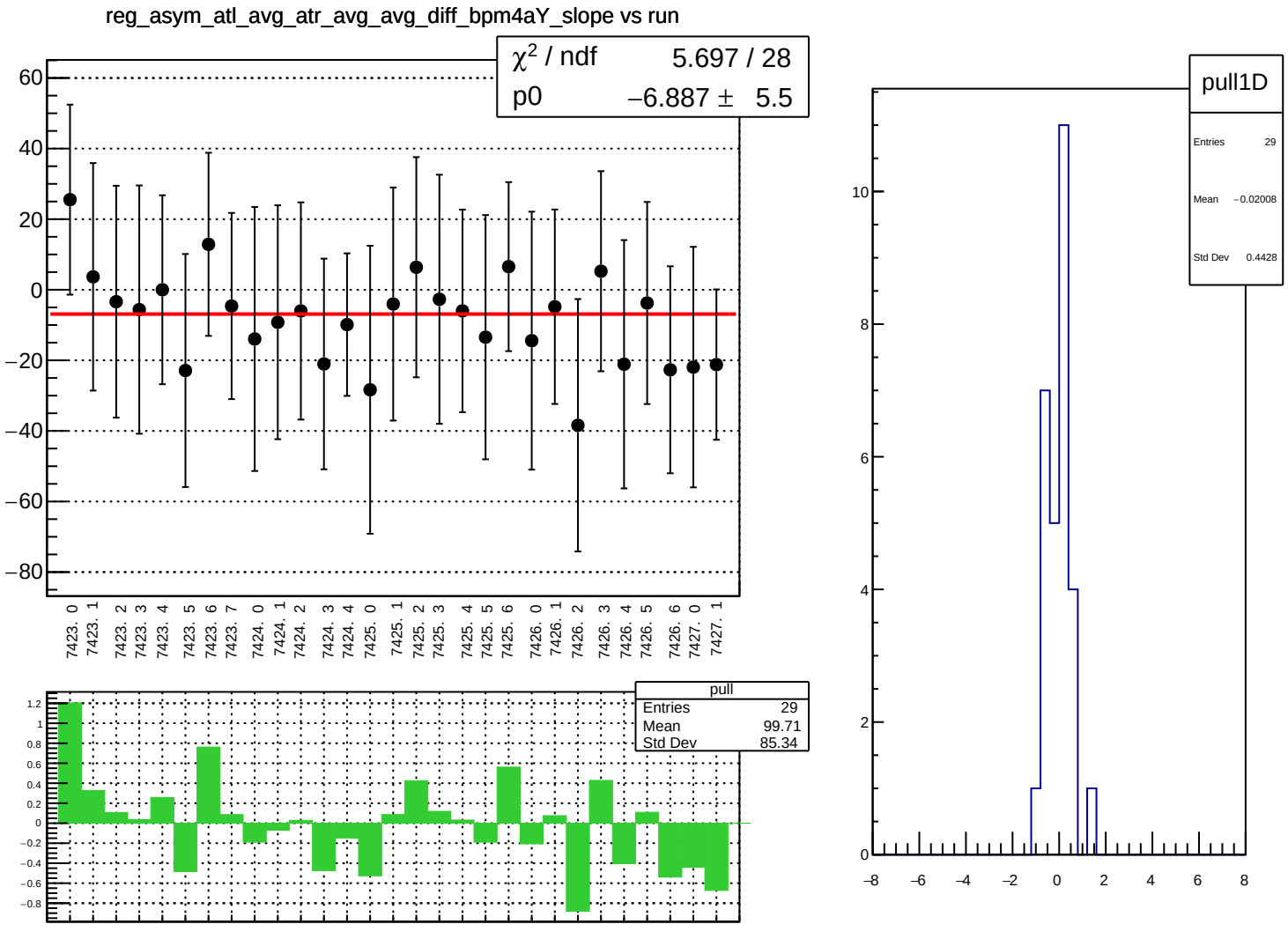

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.23 / 28
p0 13.31 ± 1.846
50
40
30
20
10
0
−10
−20
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −11.95
Std Dev 14.77
2
1
0
−1
−2

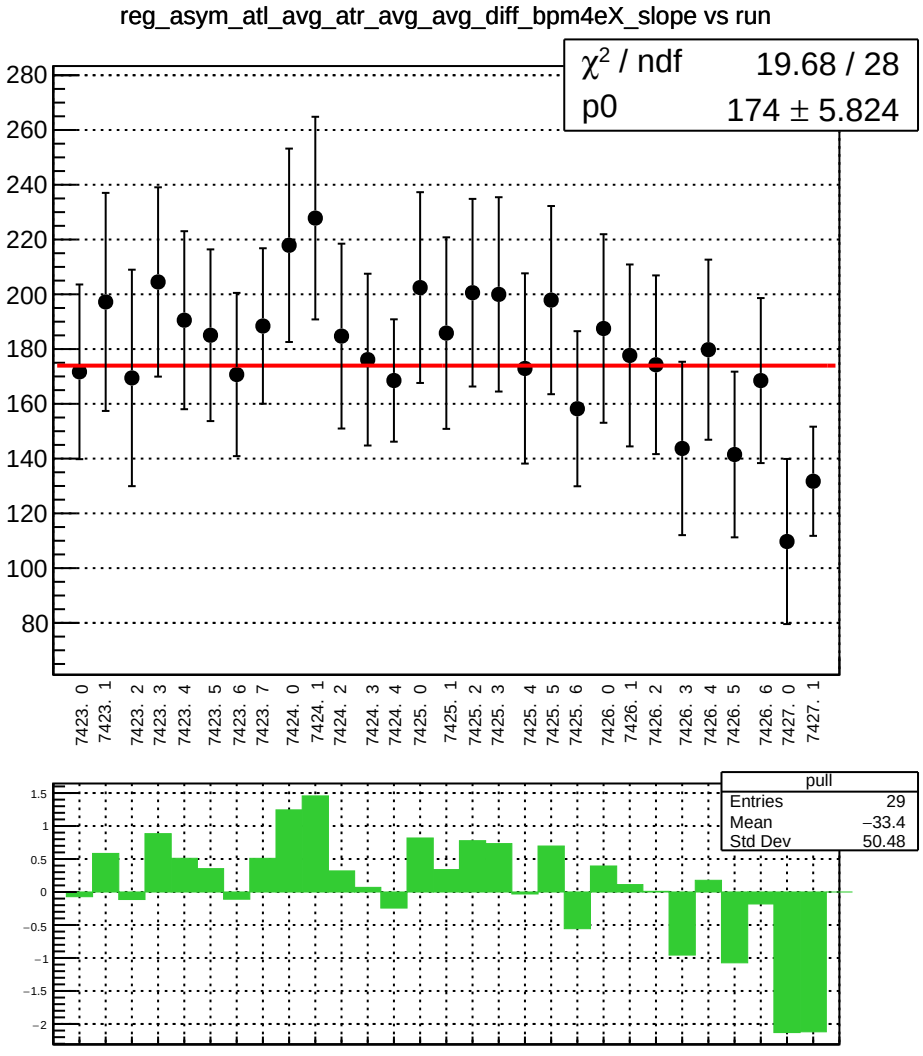

pull1D
Entries 29
Mean −0.03326
Std Dev 0.9504
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

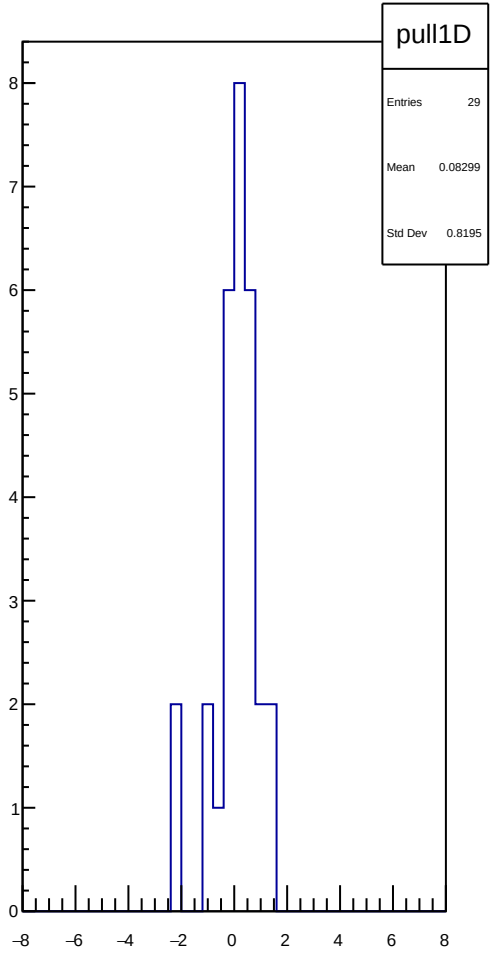

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 30.31 / 28
p0 −5.39 ± 0.07951
pull
Entries 29
Mean −105.4
Std Dev 122.5
pull1D
Entries 29
Mean −0.01832
Std Dev 1.022

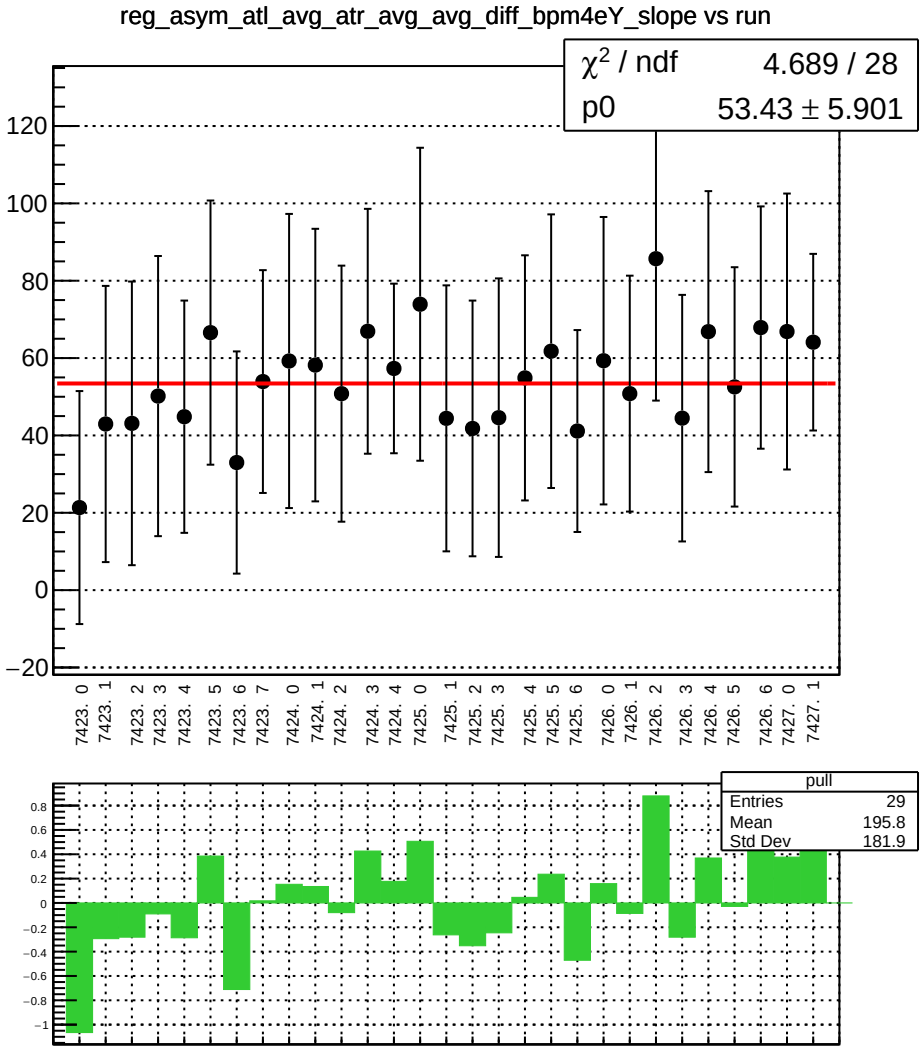

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 19.58 / 28
p0 −165.4 ± 5.579
pull
Entries 29
Mean −31.11
Std Dev 48.21

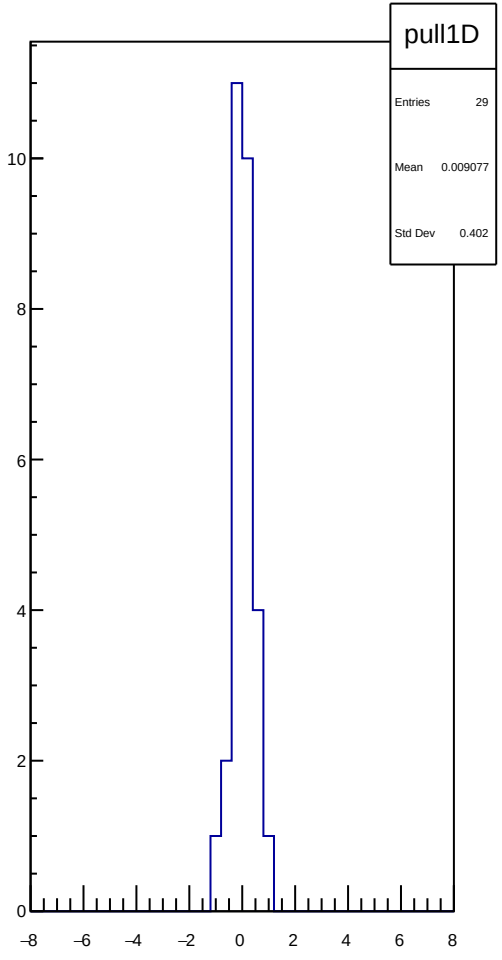

pull1D
Entries 29
Mean −0.08381
Std Dev 0.8174

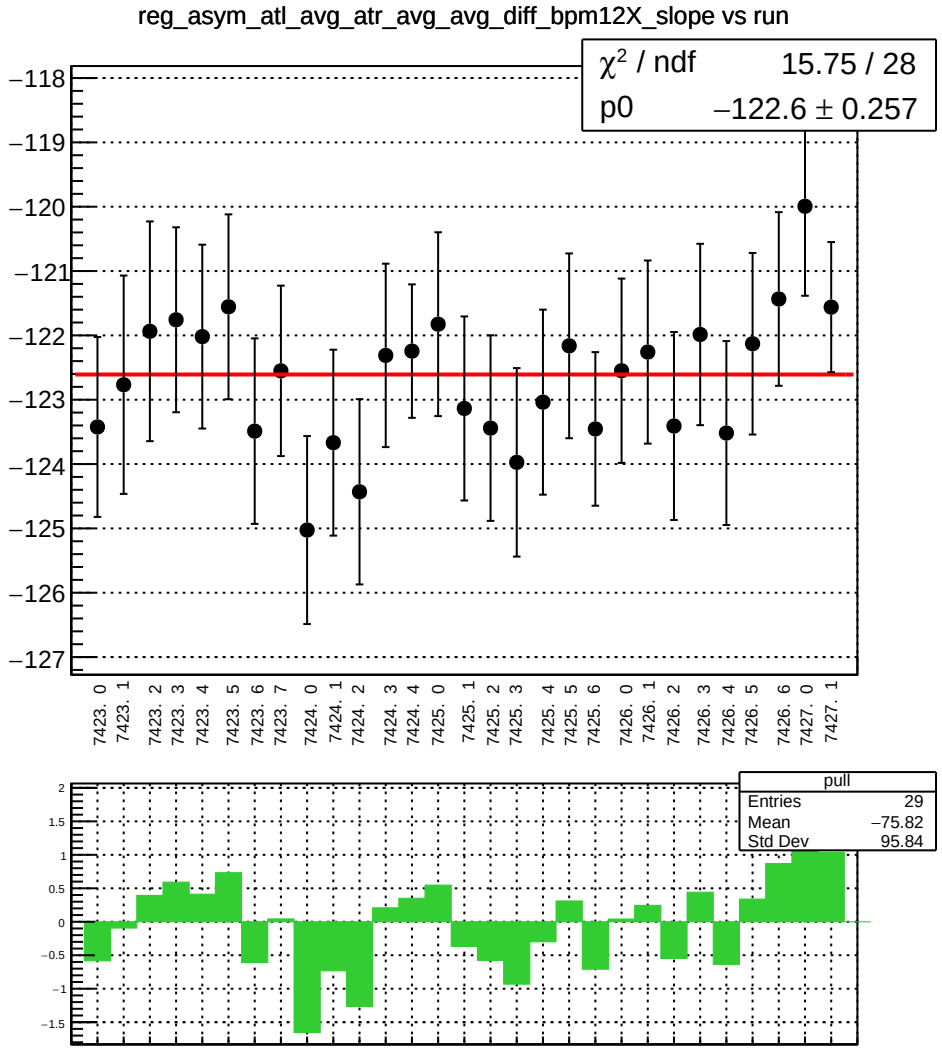

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.697 / 28
p0 −6.887 ± 5.5
60
40
20
0
−20
−40
−60
−80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 99.71
Std Dev 85.34
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 29
Mean −0.02008
Std Dev 0.4428
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

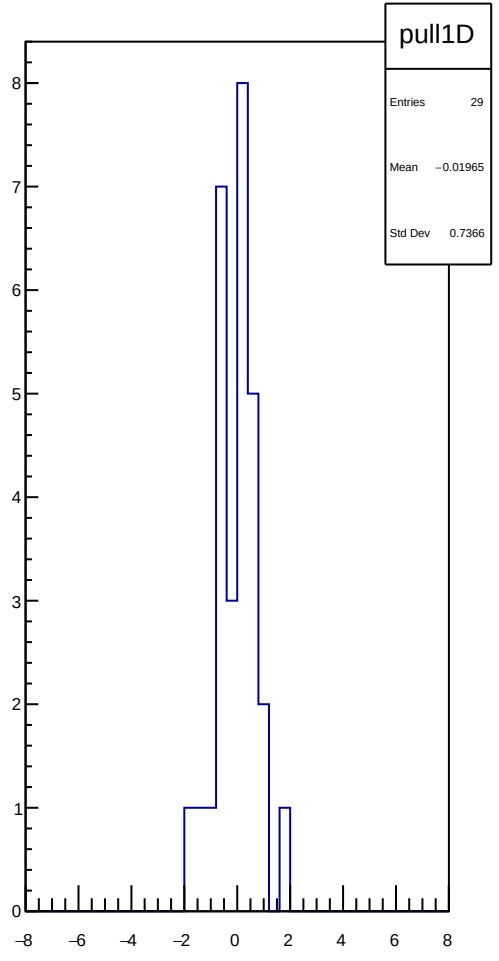

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.68 / 28
p0 174 ± 5.824
pull
Entries 29
Mean −33.4
Std Dev 50.48

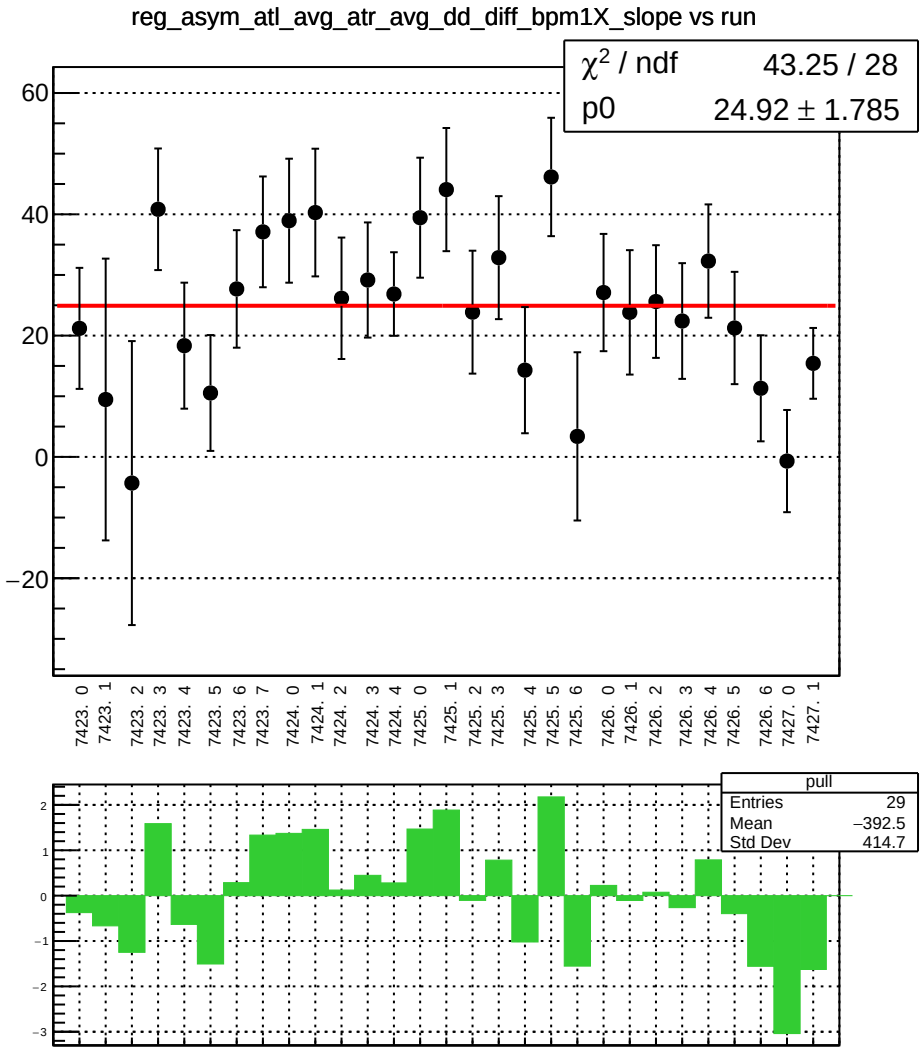

pull1D
Entries 29
Mean 0.08299
Std Dev 0.8195

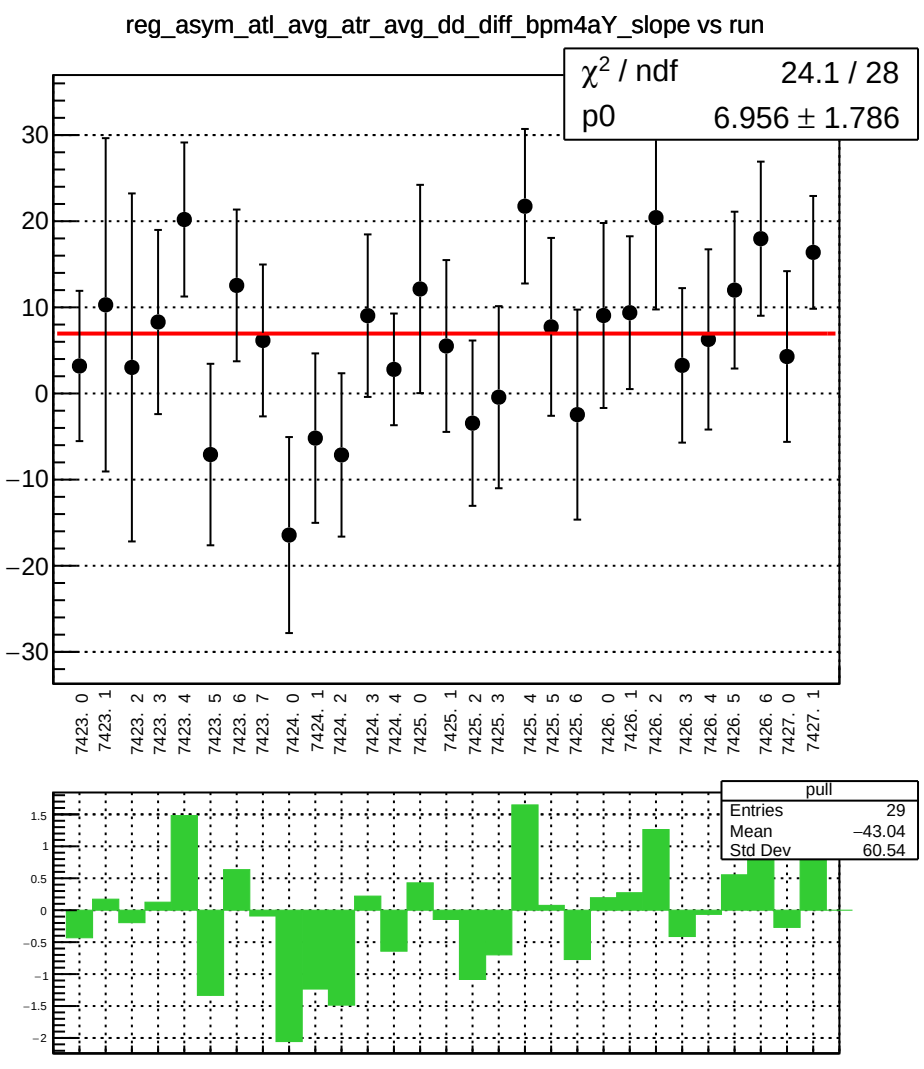

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.689 / 28
p0 53.43 ± 5.901
pull
Entries 29
Mean 195.8
Std Dev 181.9

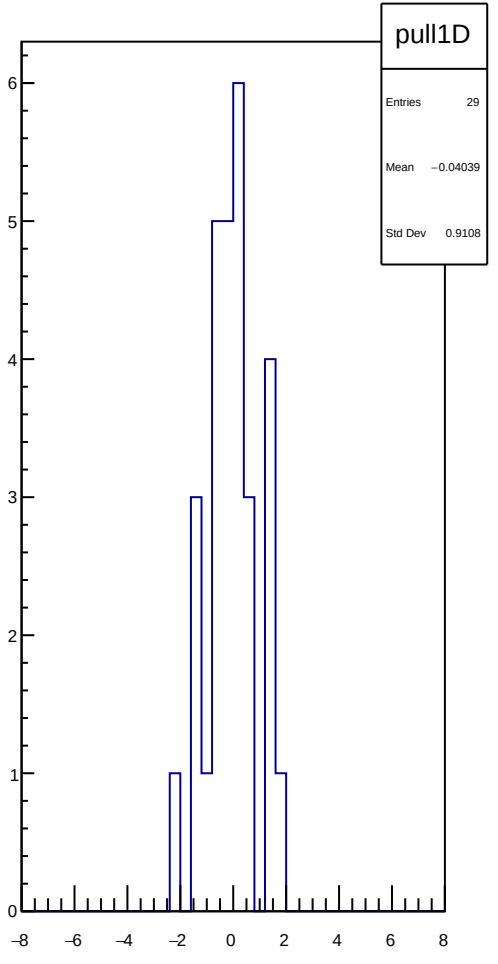

pull1D
Entries 29
Mean 0.009077
Std Dev 0.402

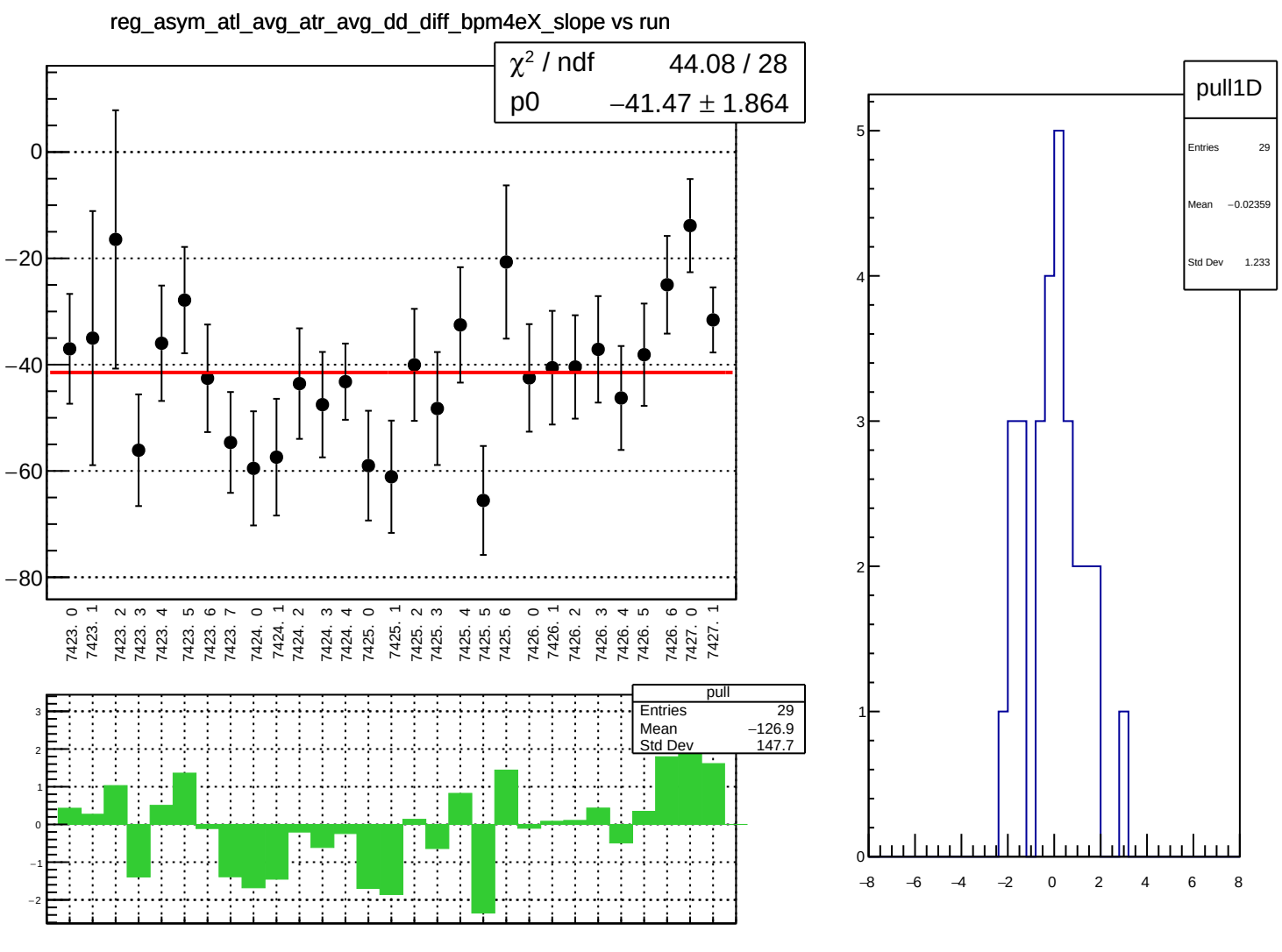

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 15.75 / 28
p0 −122.6 ± 0.257
pull
Entries 29
Mean −75.82
Std Dev 95.84

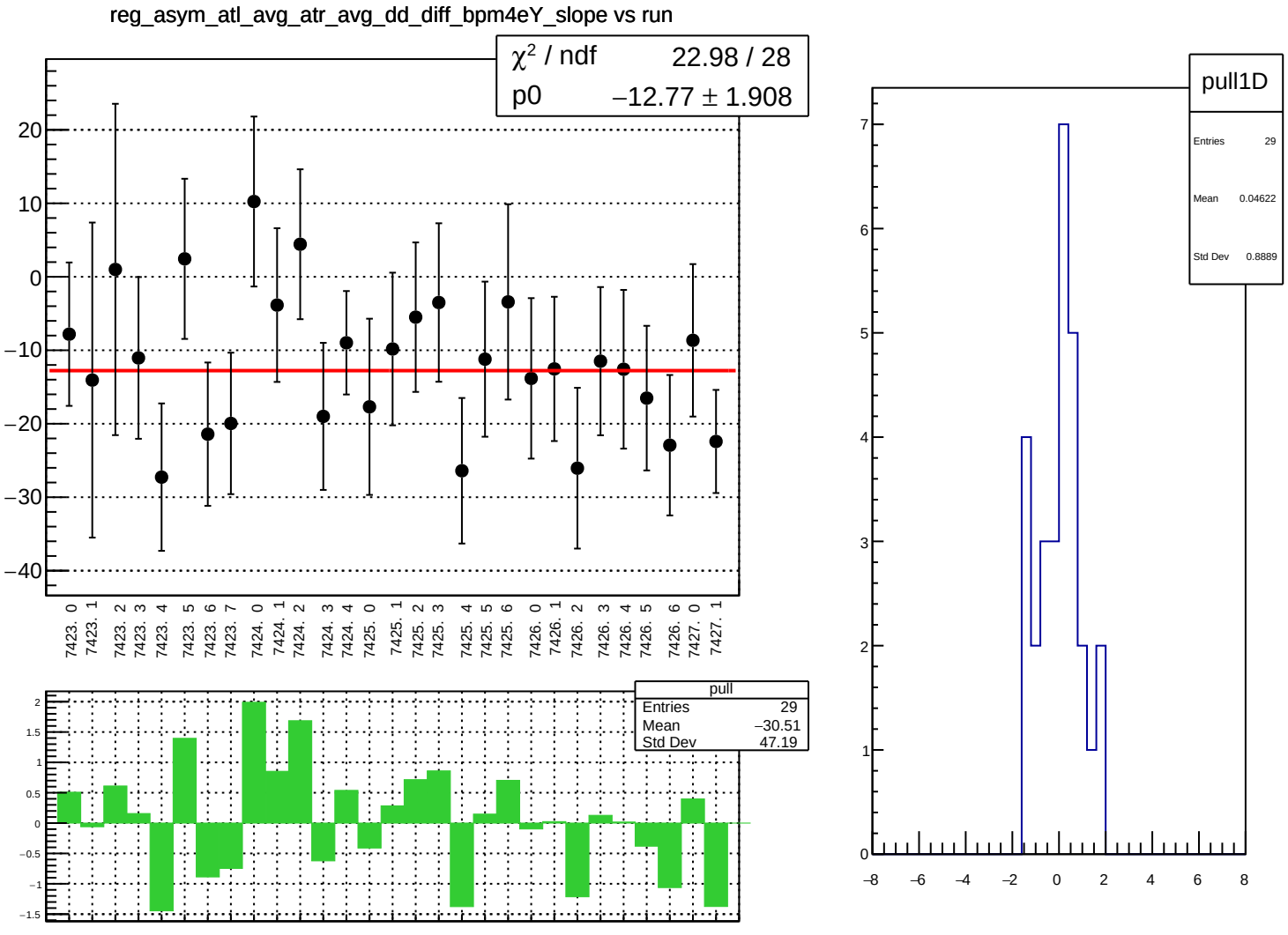

pull1D
Entries 29
Mean −0.01965
Std Dev 0.7366

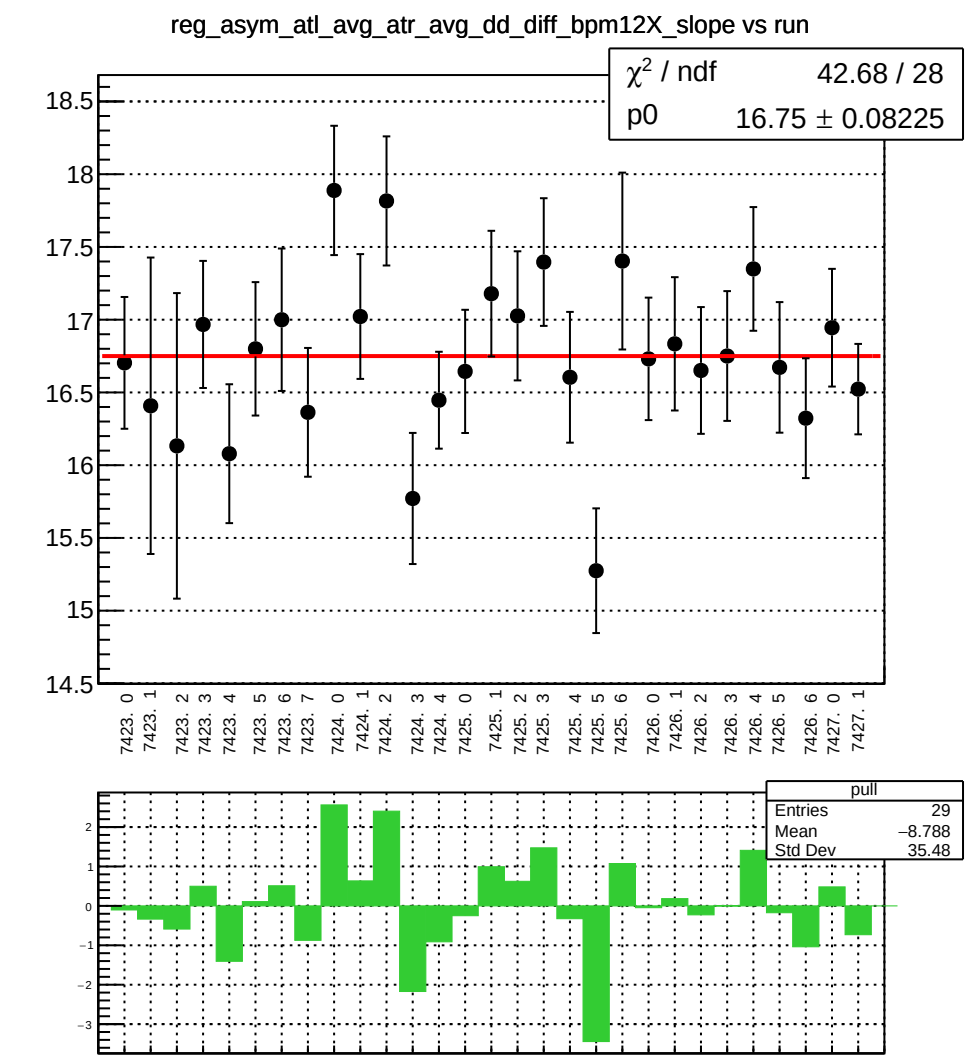

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 43.25 / 28
p0 24.92 ± 1.785
60
40
20
0
−20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −392.5
Std Dev 414.7
2
1
0
−1
−2
−3
pull1D
Entries 29
Mean 0.006694
Std Dev 1.221
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

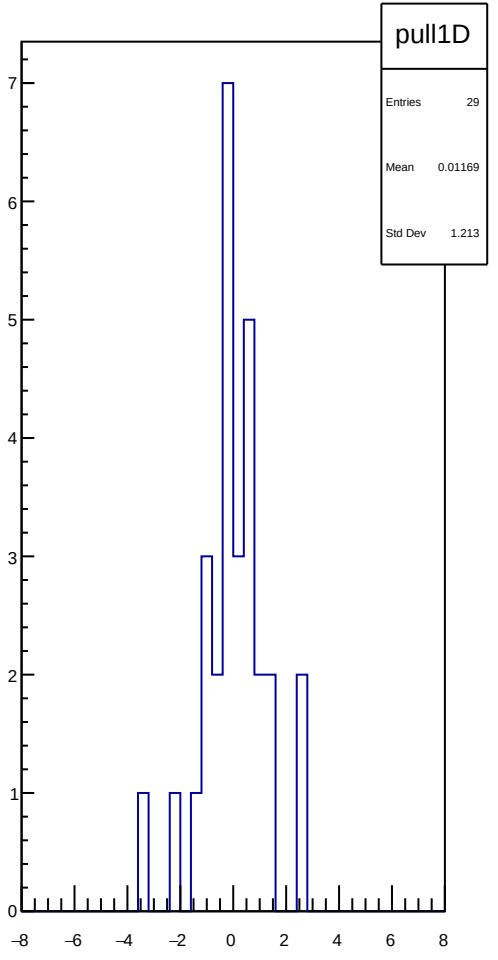

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.1 / 28
p0 6.956 ± 1.786
30
20
10
0
−10
−20
−30
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −43.04
Std Dev 60.54
1.5
1
0.5
0
−0.5
−1
−1.5
−2

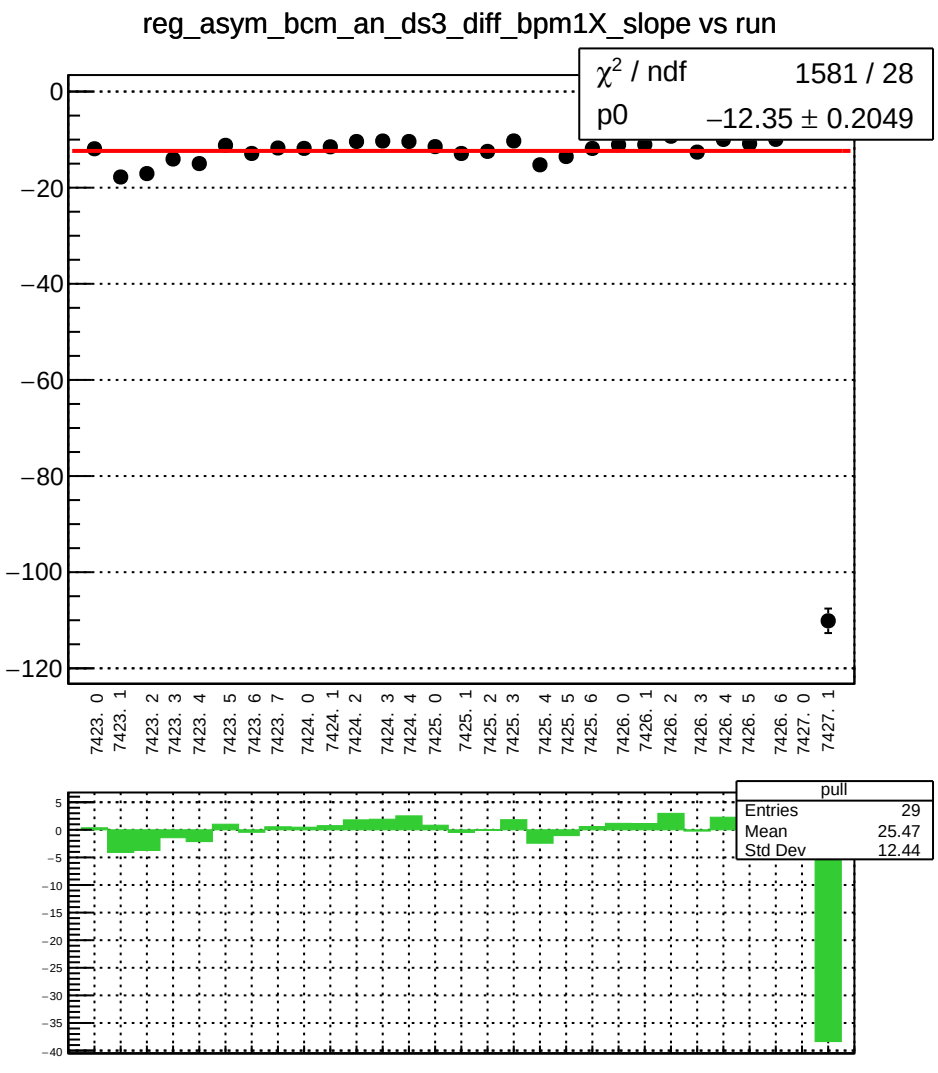

pull1D
Entries 29
Mean −0.04039
Std Dev 0.9108
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

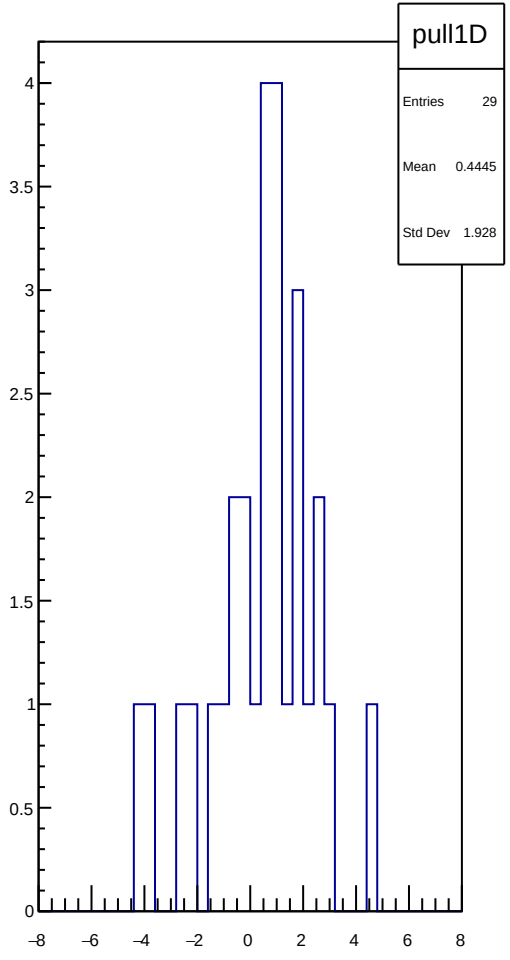

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.08 / 28
p0 −41.47 ± 1.864
0
−20
−40
−60
−80
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −126.9
Std Dev 147.7
3
2
1
0
−1
−2
pull1D
Entries 29
Mean −0.02359
Std Dev 1.233
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

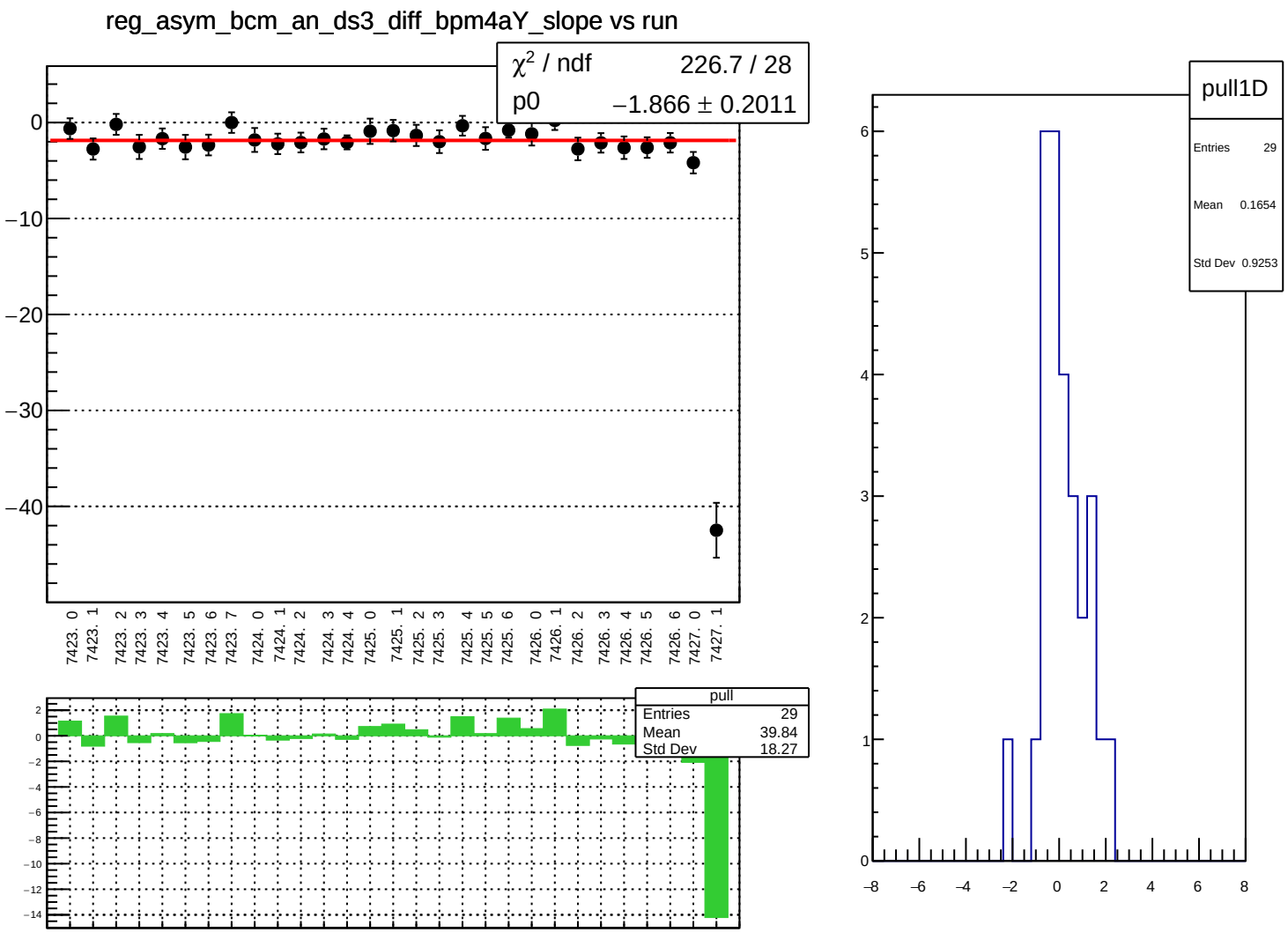

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.98 / 28
p0 −12.77 ± 1.908
20
10
0
−10
−20
−30
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −30.51
Std Dev 47.19
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 29
Mean 0.04622
Std Dev 0.8889
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

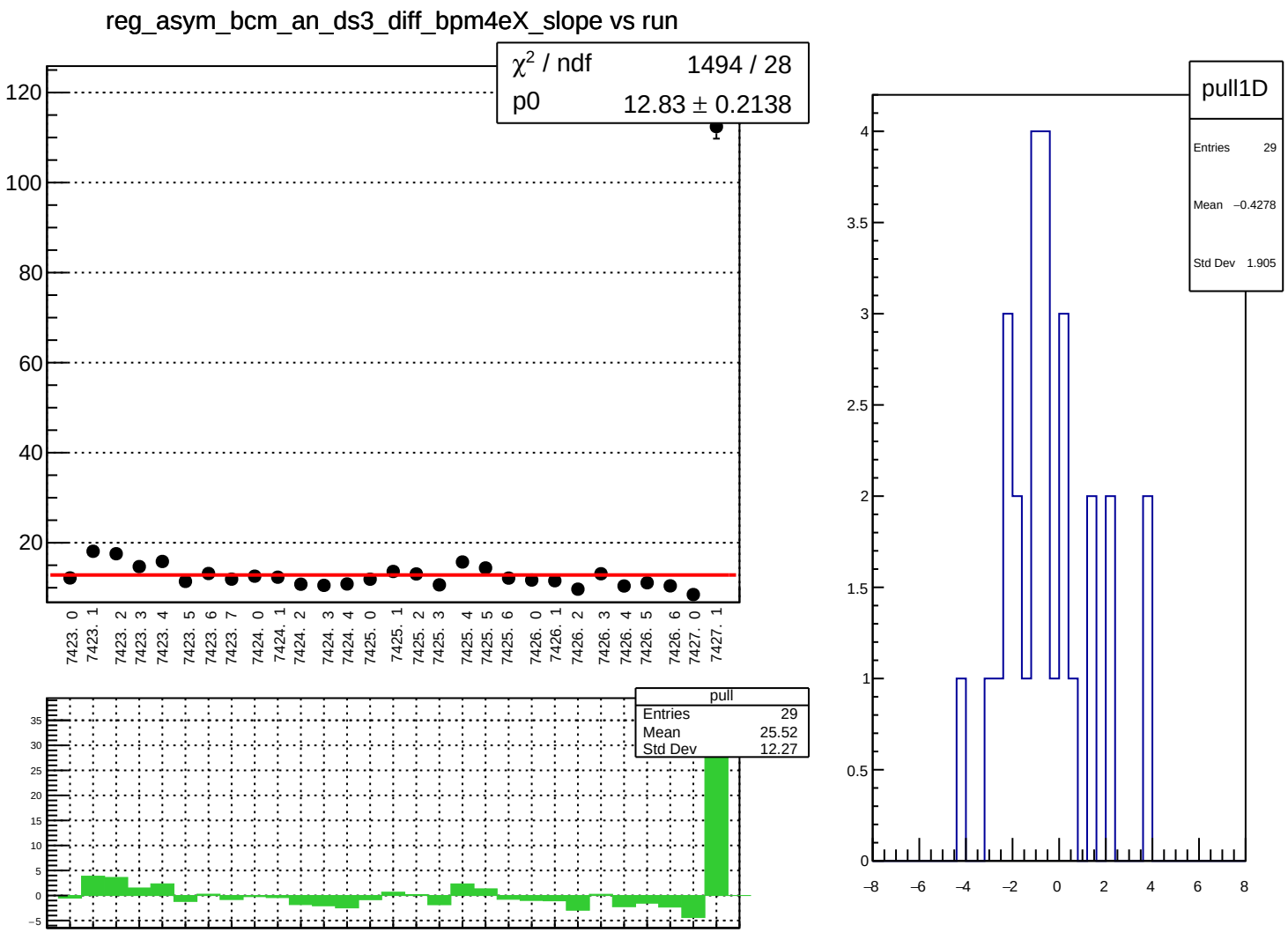

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 42.68 / 28
p0 16.75 ± 0.08225
18.5
18
17.5
17
16.5
16
15.5
15
14.5
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean −8.788
Std Dev 35.48
2
1
0
−1
−2
−3

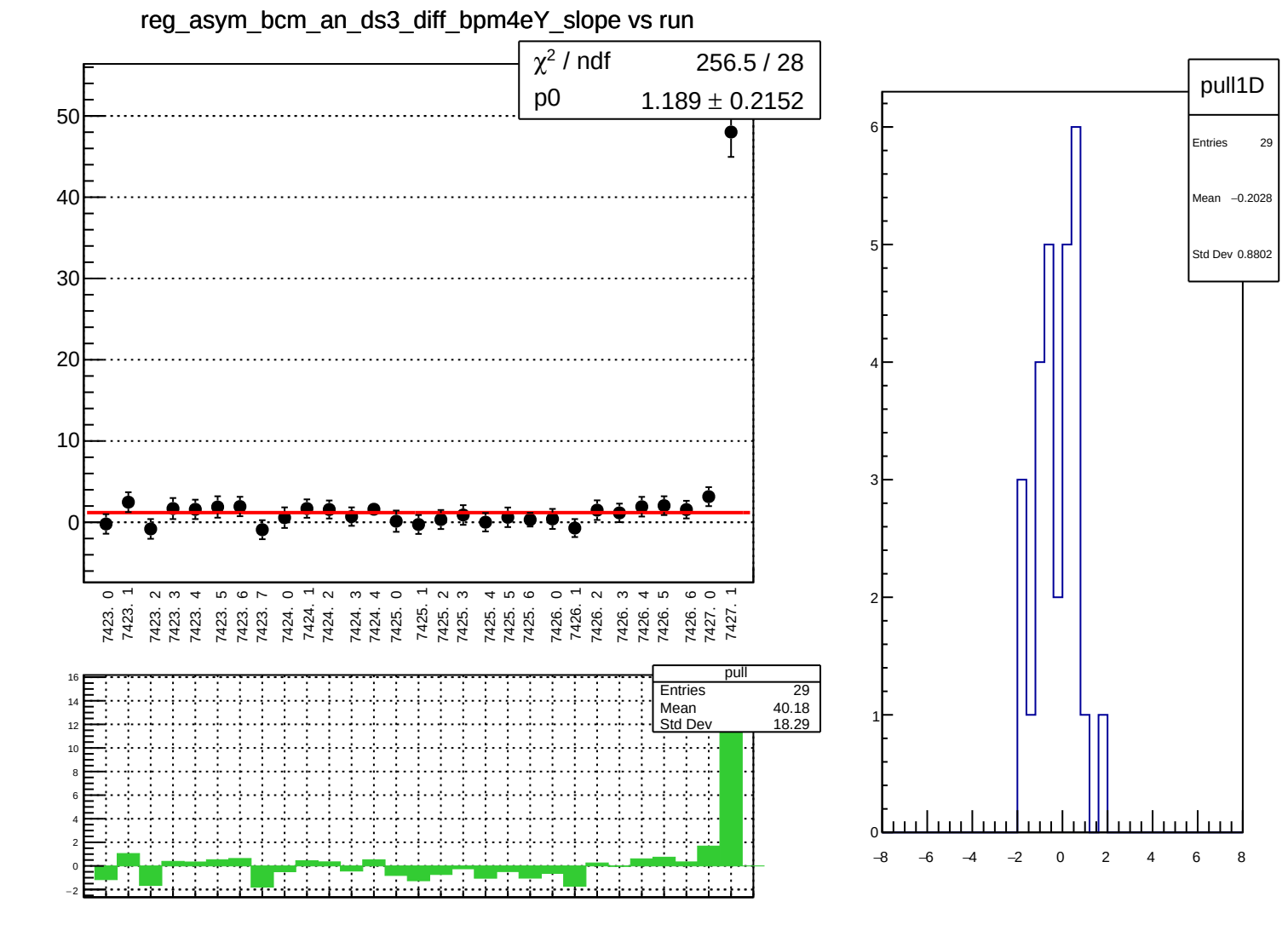

pull1D
Entries 29
Mean 0.01169
Std Dev 1.213
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

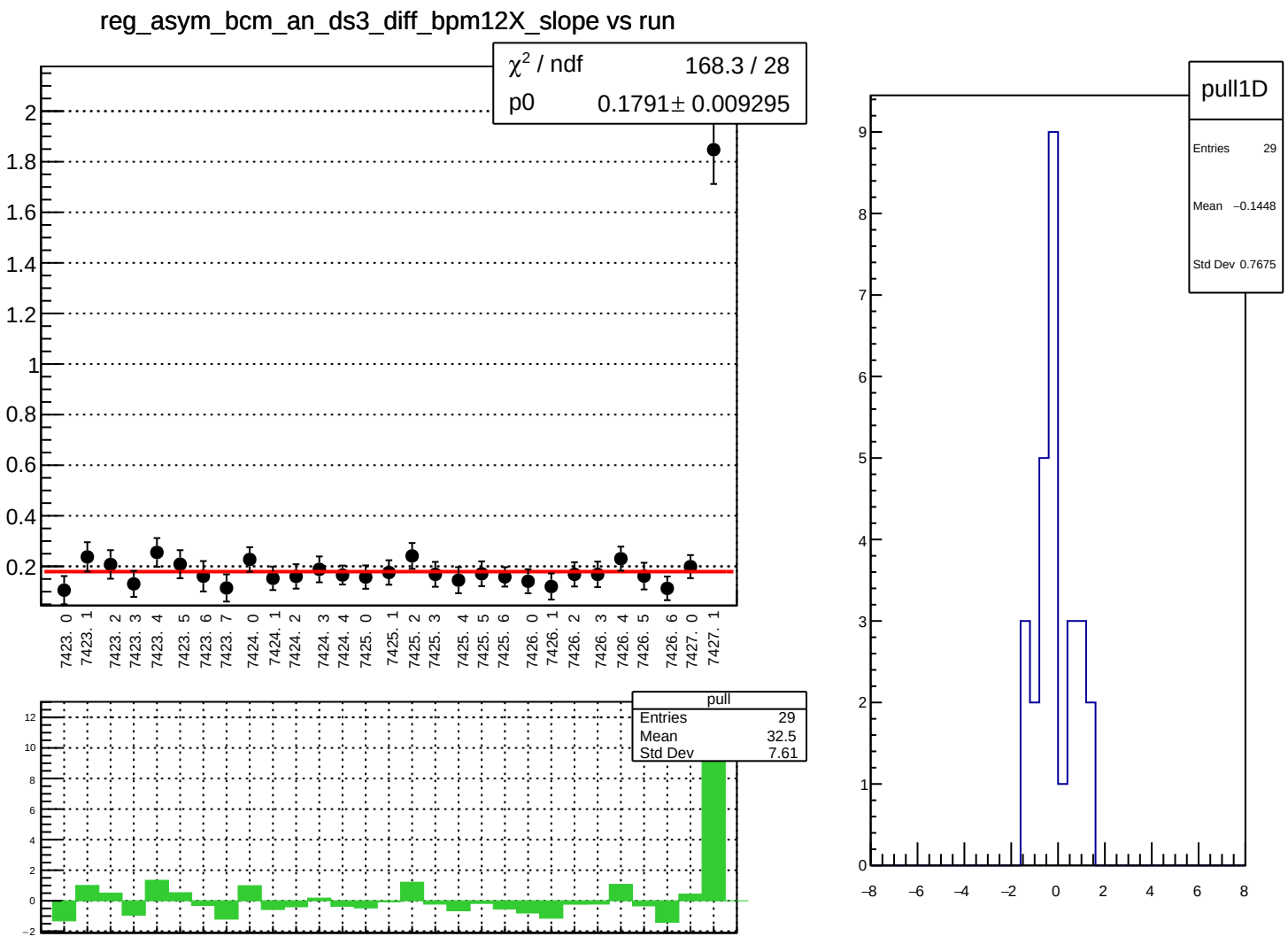

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1581 / 28
p0 −12.35 ± 0.2049
0
−20
−40
−60
−80
−100
−120
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 25.47
Std Dev 12.44
5
0
−5
−10
−15
−20
−25
−30
−35
−40

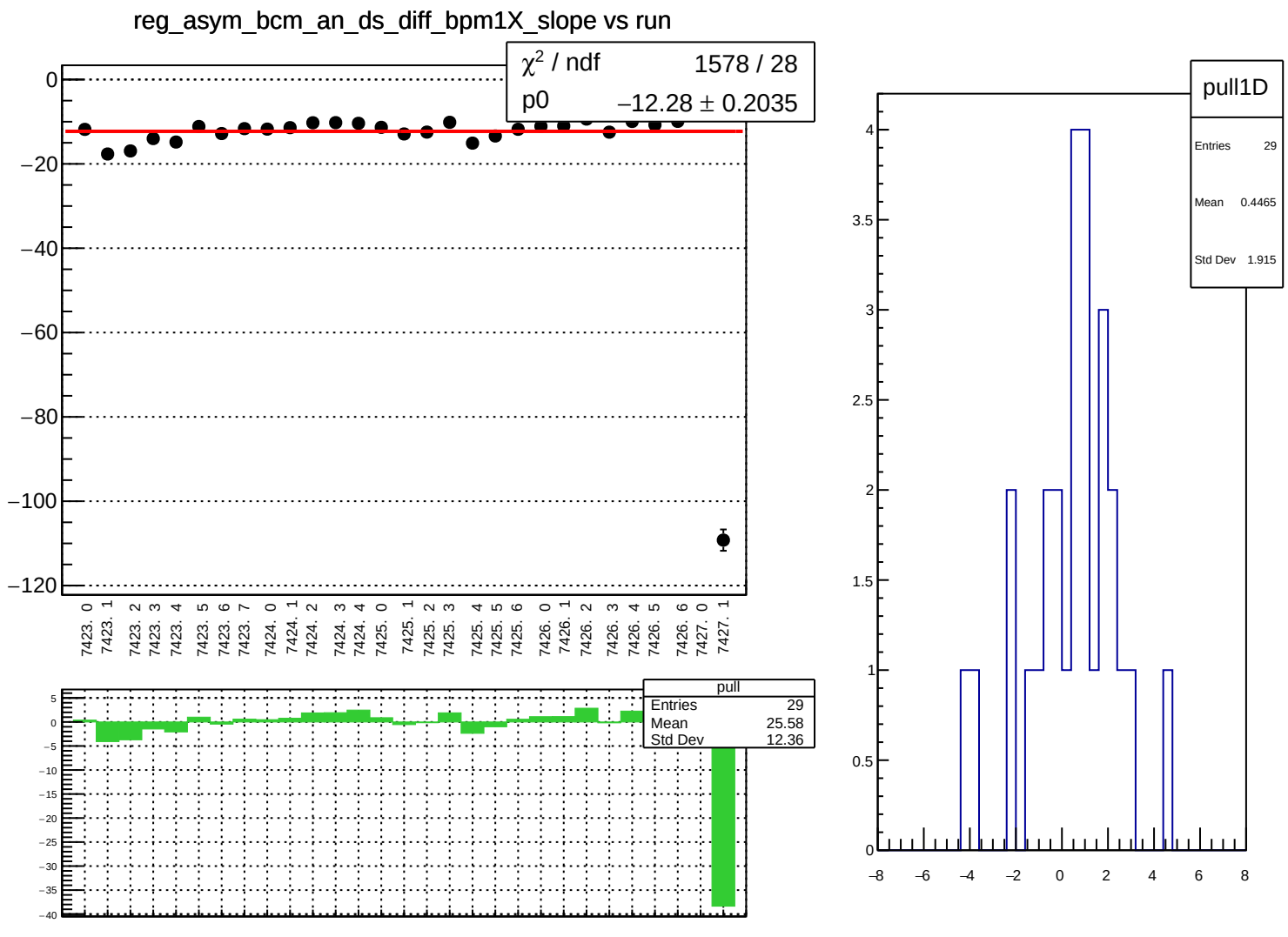

pull1D
Entries 29
Mean 0.4445
Std Dev 1.928
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

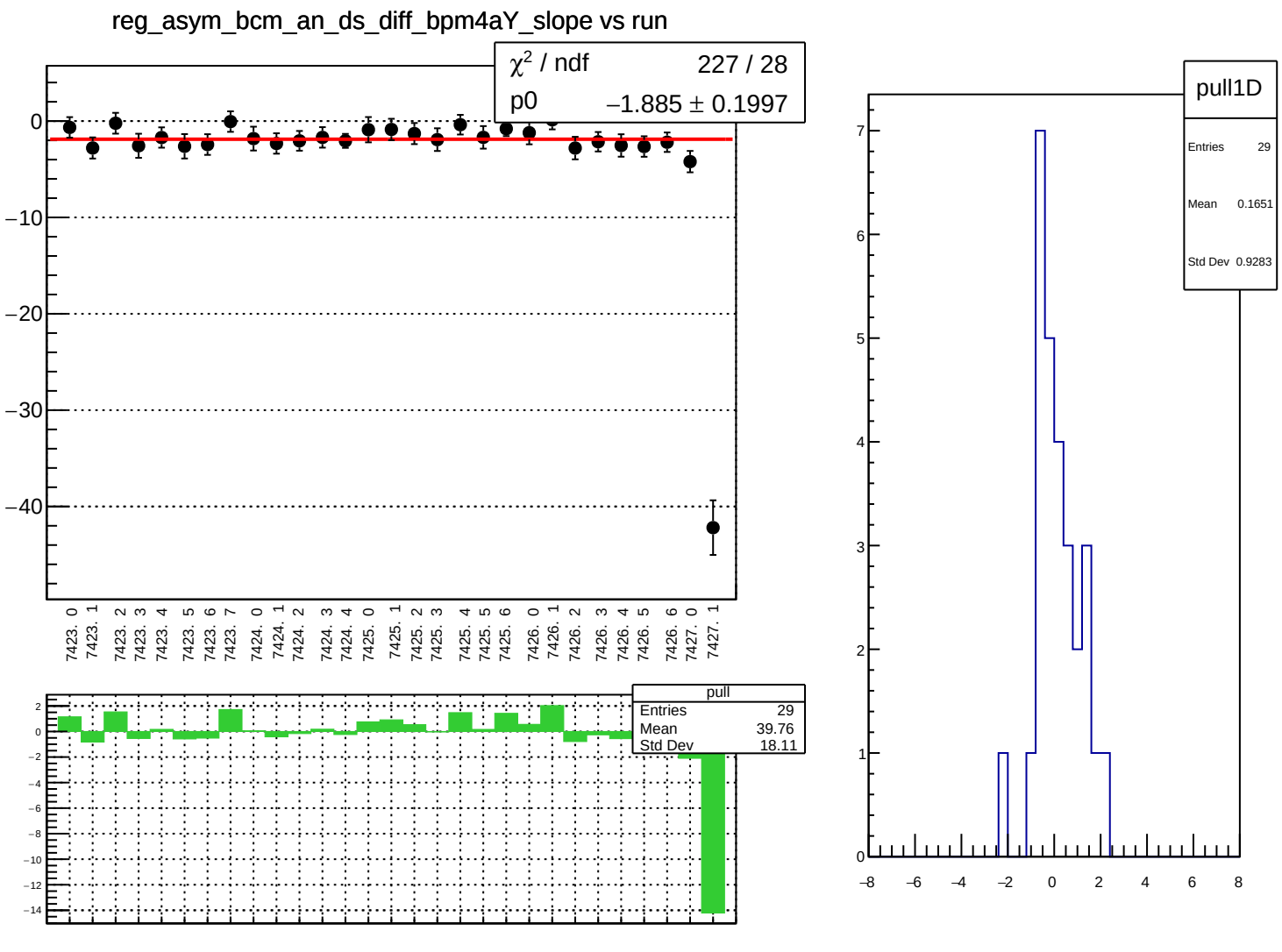

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 226.7 / 28
p0 −1.866 ± 0.2011
0
−10
−20
−30
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 39.84
Std Dev 18.27
pull1D
Entries 29
Mean 0.1654
Std Dev 0.9253

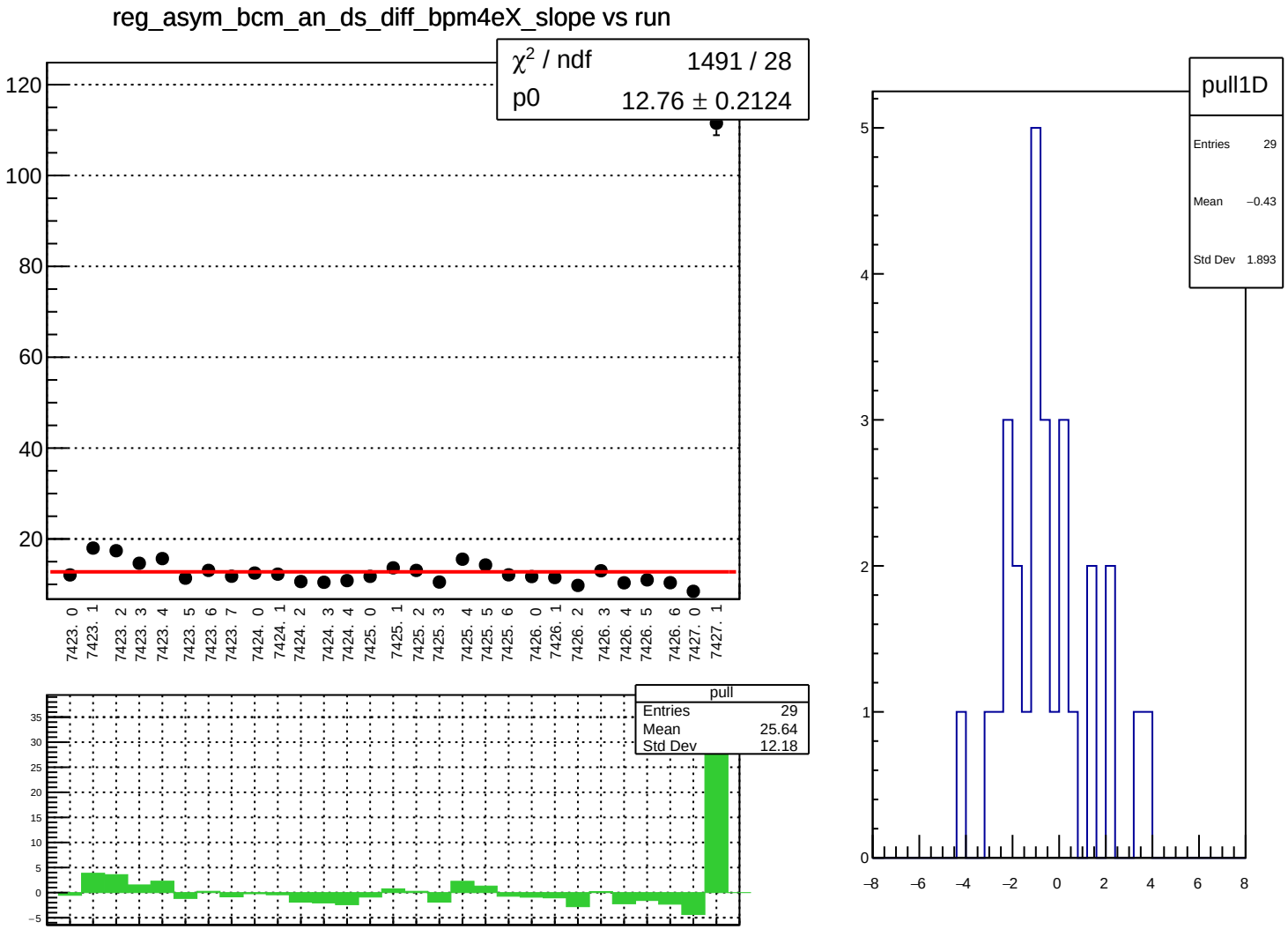

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1494 / 28
p0 12.83 ± 0.2138
120
100
80
60
40
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 25.52
Std Dev 12.27
35
30
25
20
15
10
5
0
−5
pull1D
Entries 29
Mean −0.4278
Std Dev 1.905
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

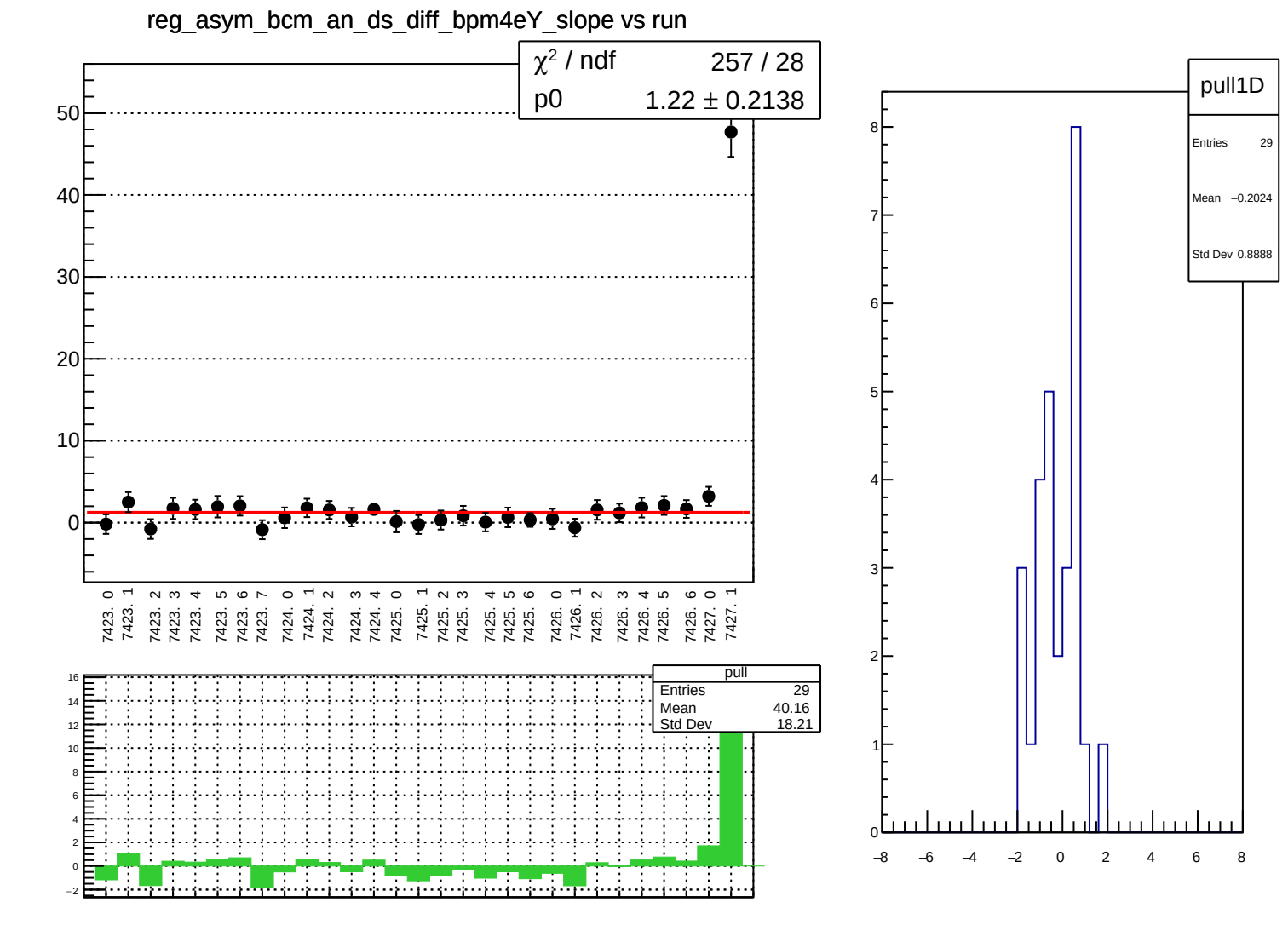

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 256.5 / 28
p0 1.189 ± 0.2152
50
40
30
20
10
0
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 40.18
Std Dev 18.29
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 29
Mean −0.2028
Std Dev 0.8802
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

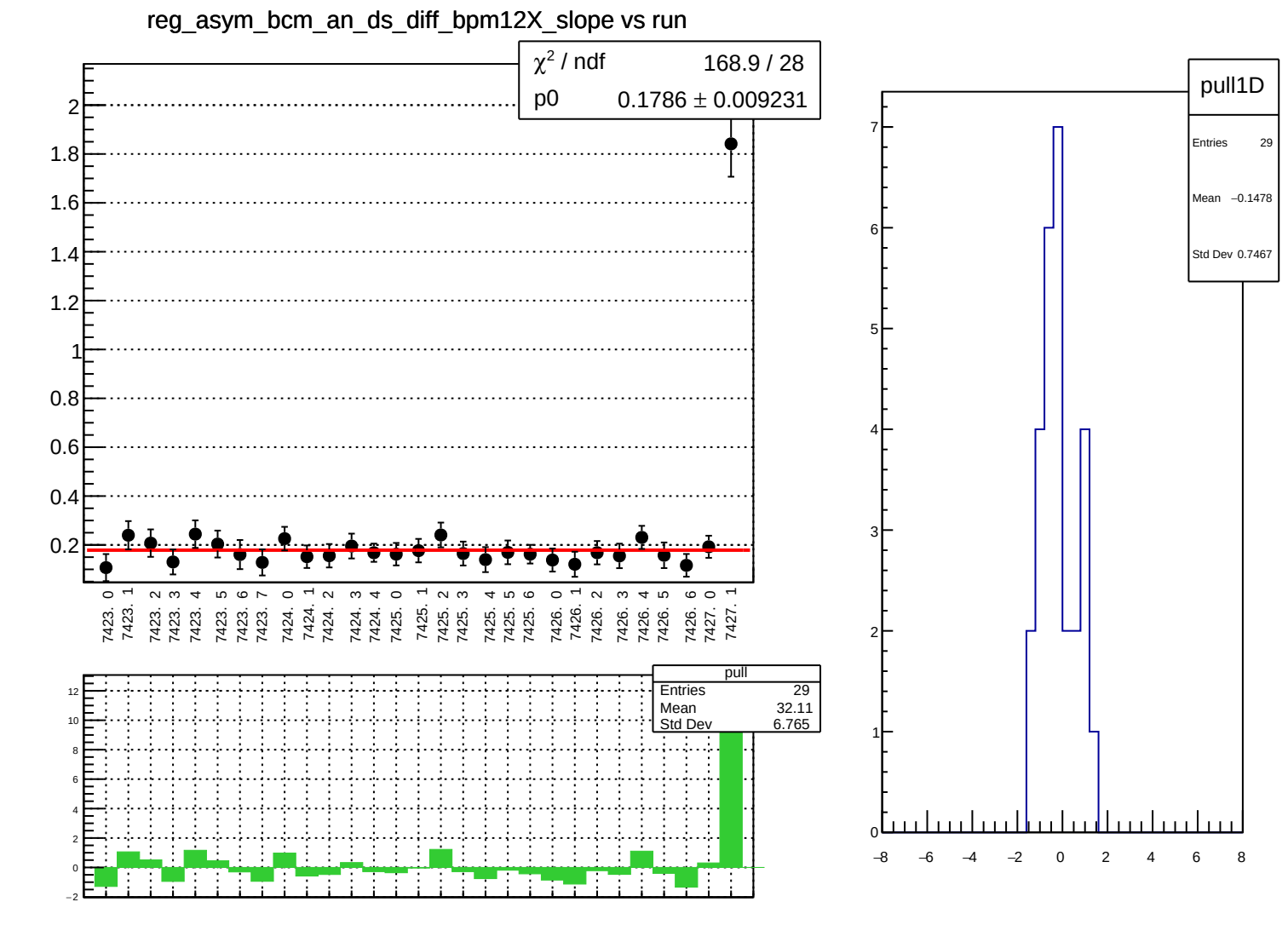

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 168.3 / 28
p0 0.1791 ± 0.009295
pull
Entries 29
Mean 32.5
Std Dev 7.61
pull1D
Entries 29
Mean −0.1448
Std Dev 0.7675

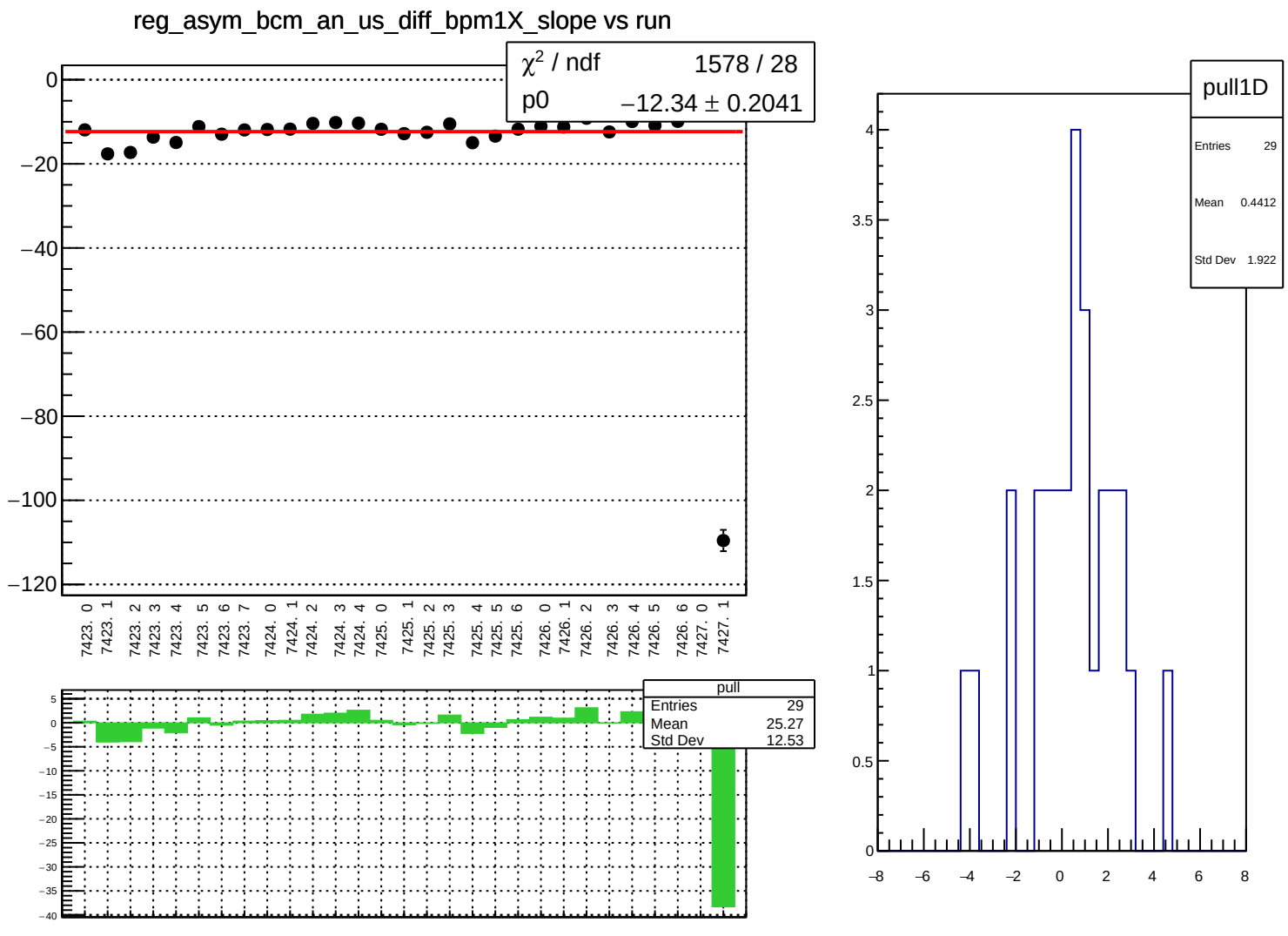

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1578 / 28
p0 −12.28 ± 0.2035
0
−20
−40
−60
−80
−100
−120
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 25.58
Std Dev 12.36
5
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 29
Mean 0.4465
Std Dev 1.915
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

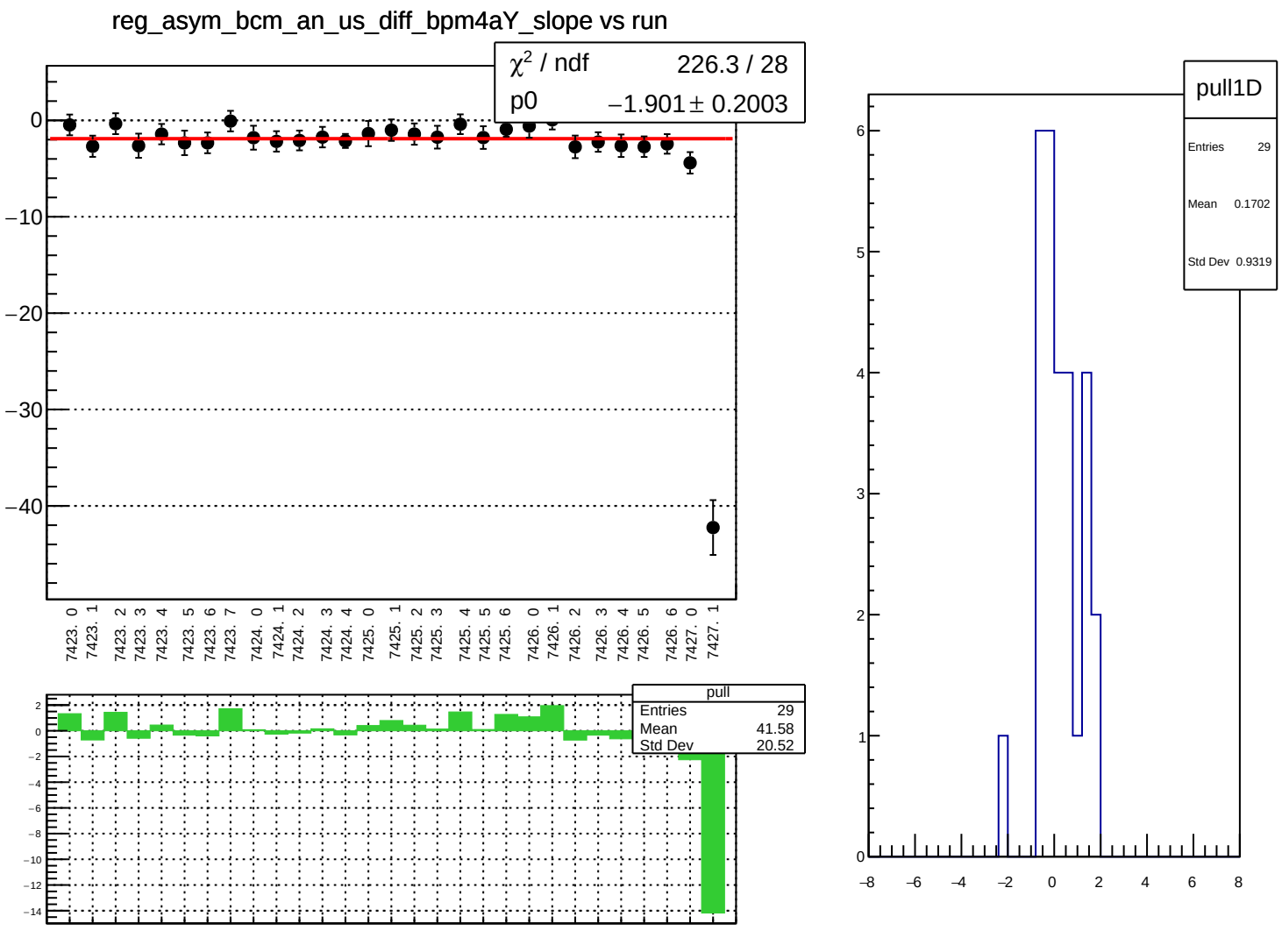

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 227 / 28
p0 −1.885 ± 0.1997
0
−10
−20
−30
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 39.76
Std Dev 18.11
pull1D
Entries 29
Mean 0.1651
Std Dev 0.9283

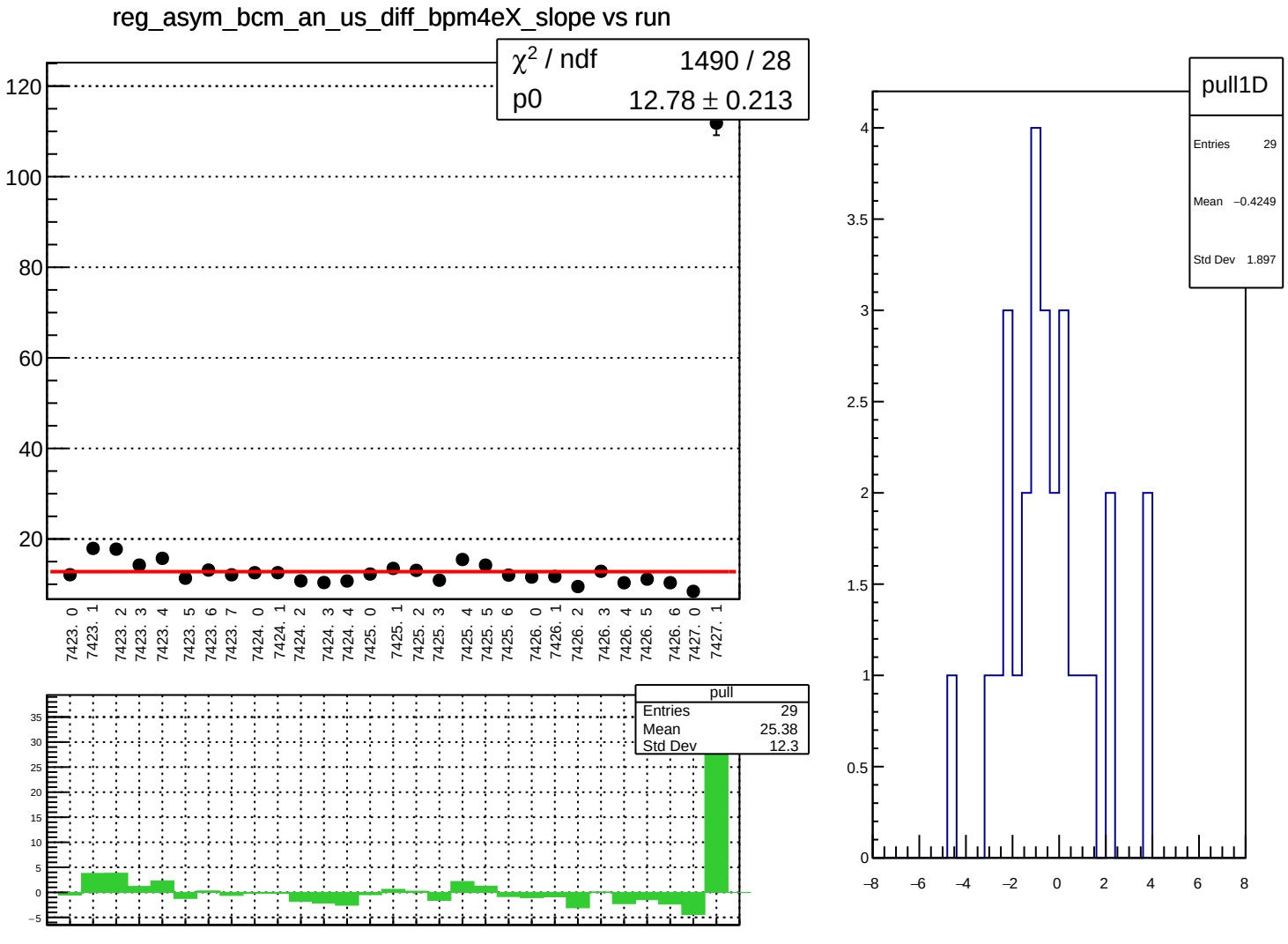

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1491 / 28
p0 12.76 ± 0.2124
120
100
80
60
40
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 25.64
Std Dev 12.18
35
30
25
20
15
10
5
0
−5
pull1D
Entries 29
Mean −0.43
Std Dev 1.893
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

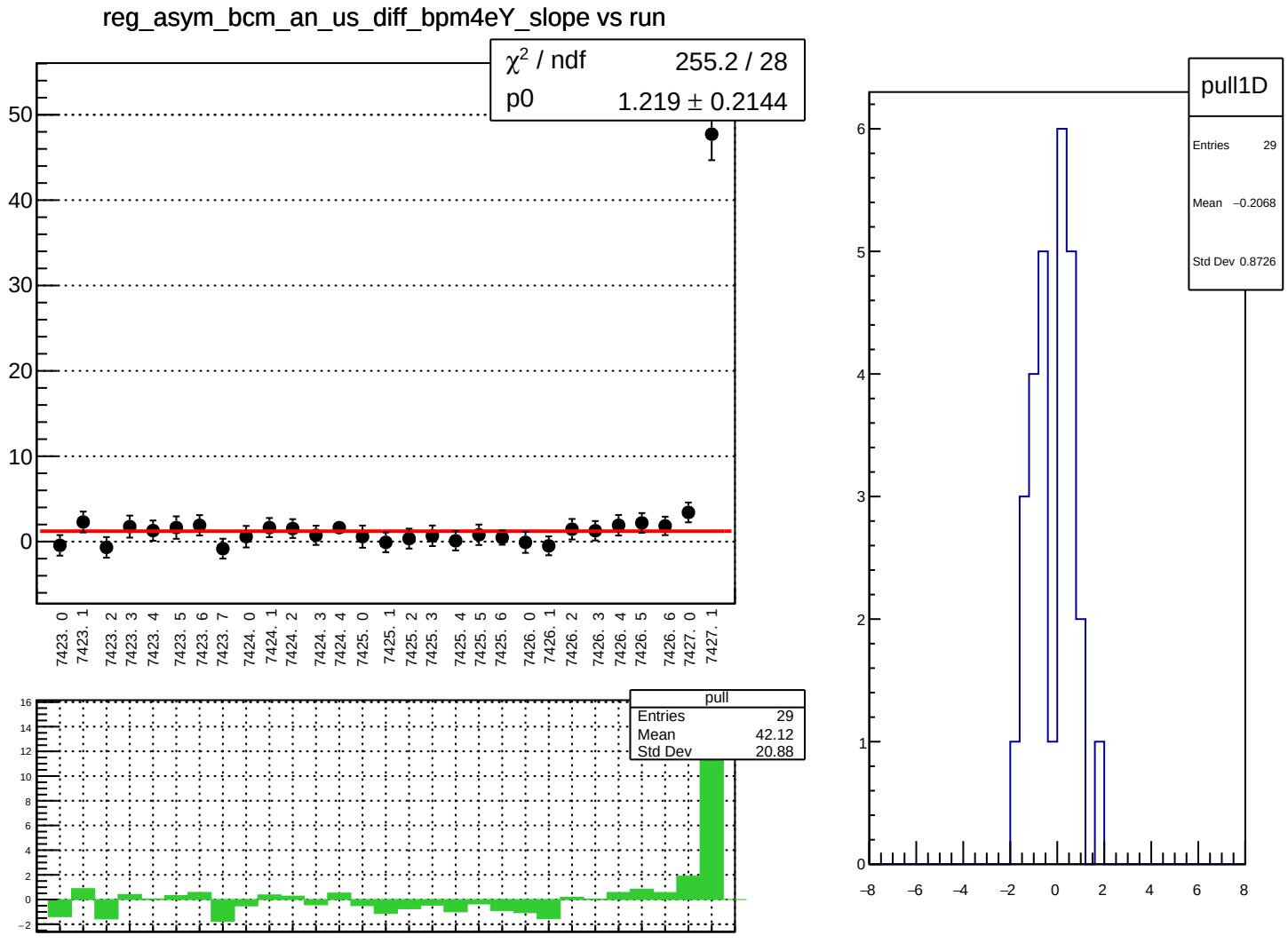

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 257 / 28
p0 1.22 ± 0.2138
50
40
30
20
10
0
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 40.16
Std Dev 18.21
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 29
Mean −0.2024
Std Dev 0.8888
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

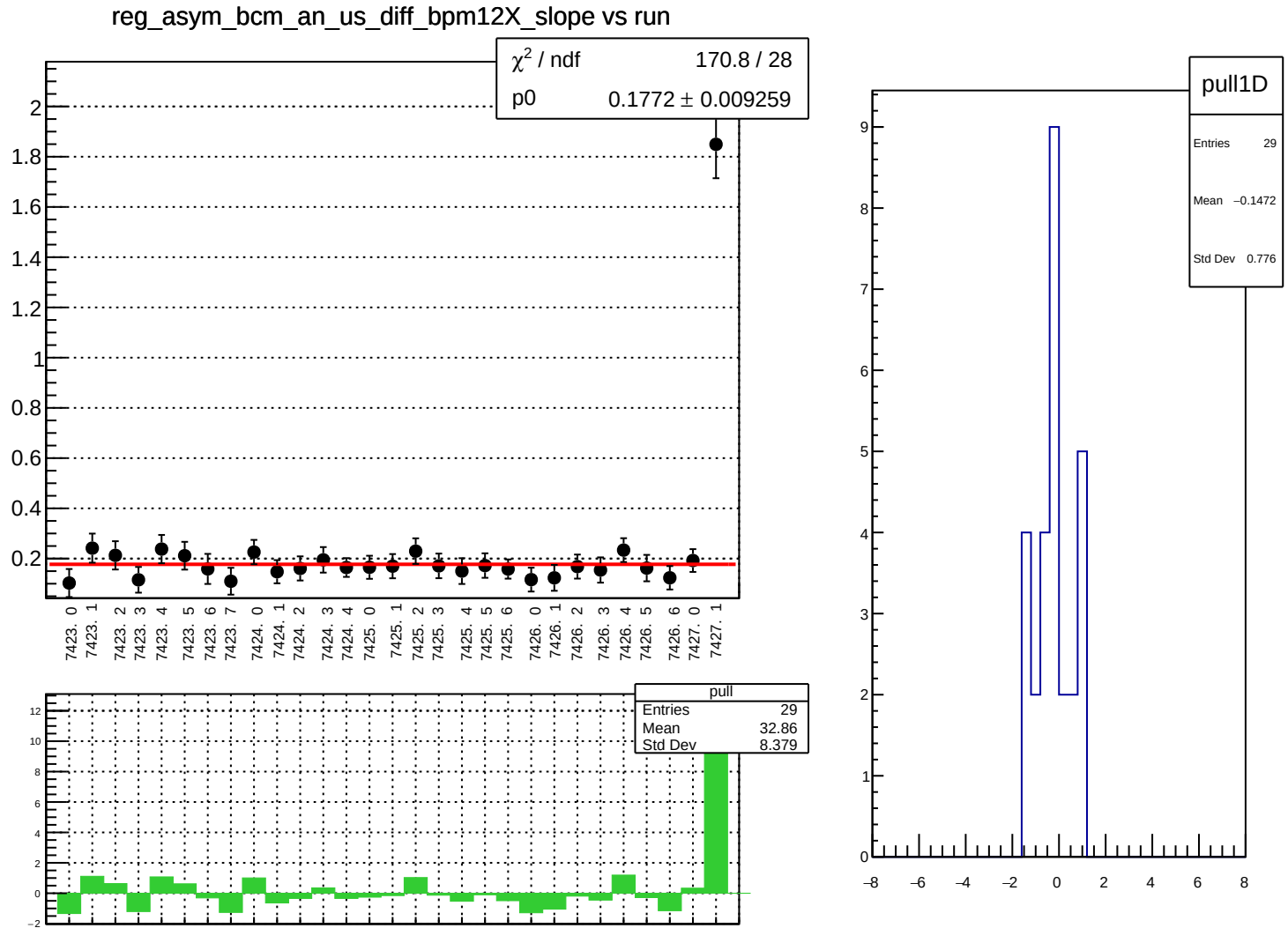

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 168.9 / 28
p0 0.1786 ± 0.009231
pull
Entries 29
Mean 32.11
Std Dev 6.765
pull1D
Entries 29
Mean −0.1478
Std Dev 0.7467

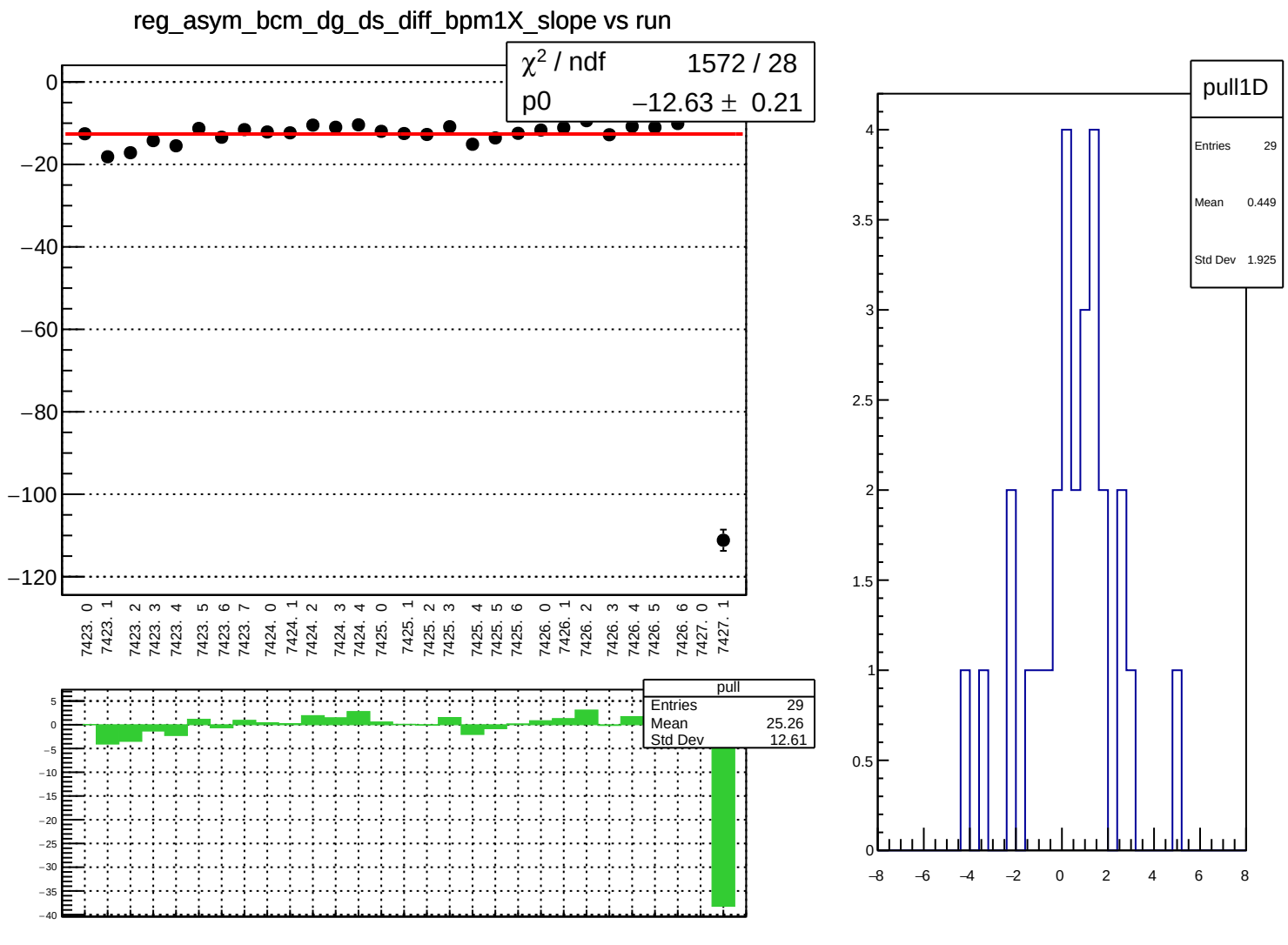

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1578 / 28
p0 −12.34 ± 0.2041
0
−20
−40
−60
−80
−100
−120
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 25.27
Std Dev 12.53
5
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 29
Mean 0.4412
Std Dev 1.922
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

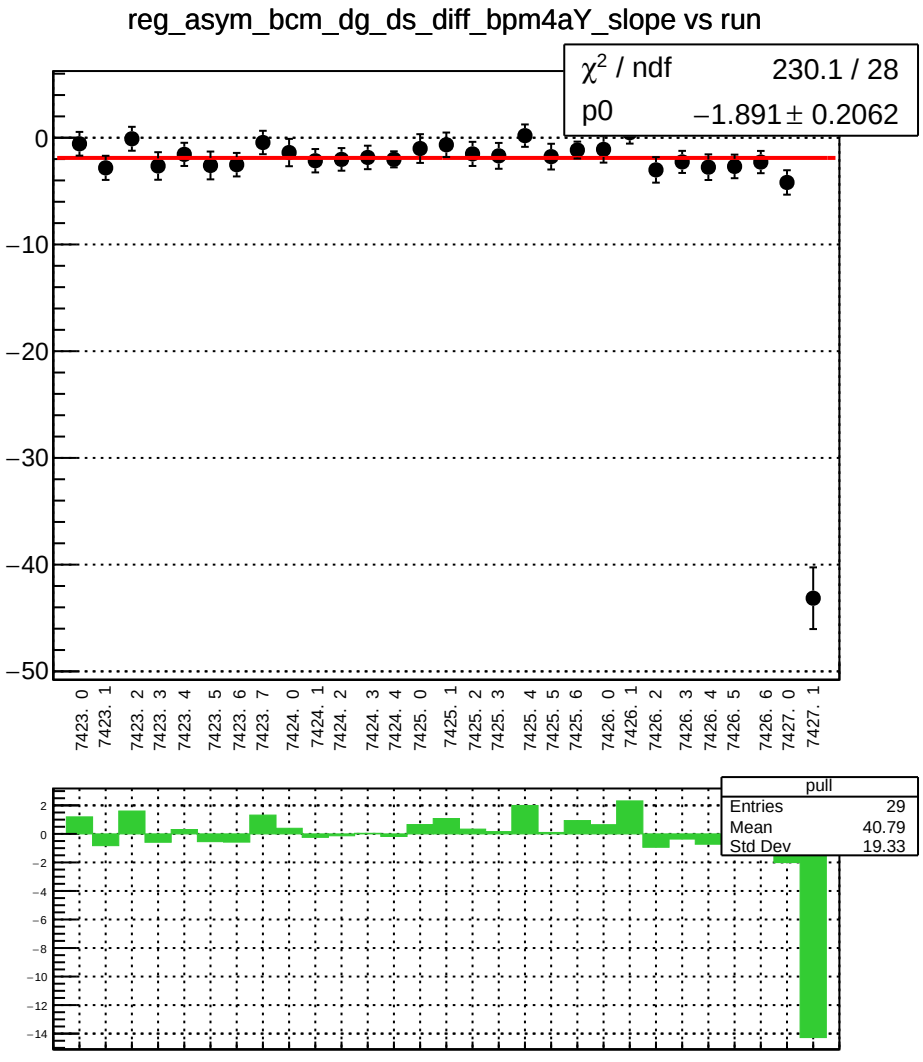

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 226.3 / 28
p0 −1.901 ± 0.2003
0
−10
−20
−30
−40
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 41.58
Std Dev 20.52
pull1D
Entries 29
Mean 0.1702
Std Dev 0.9319

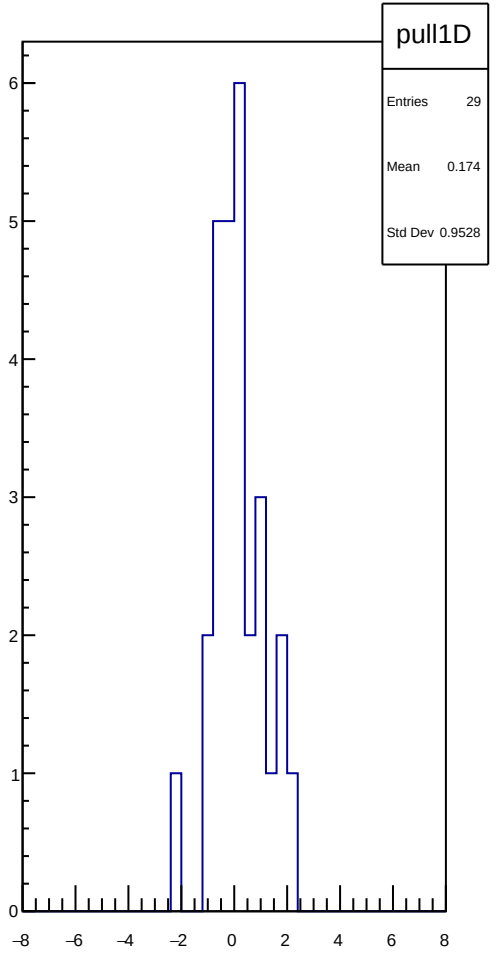

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1490 / 28
p0 12.78 ± 0.213
120
100
80
60
40
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 25.38
Std Dev 12.3
35
30
25
20
15
10
5
0
−5
pull1D
Entries 29
Mean −0.4249
Std Dev 1.897
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

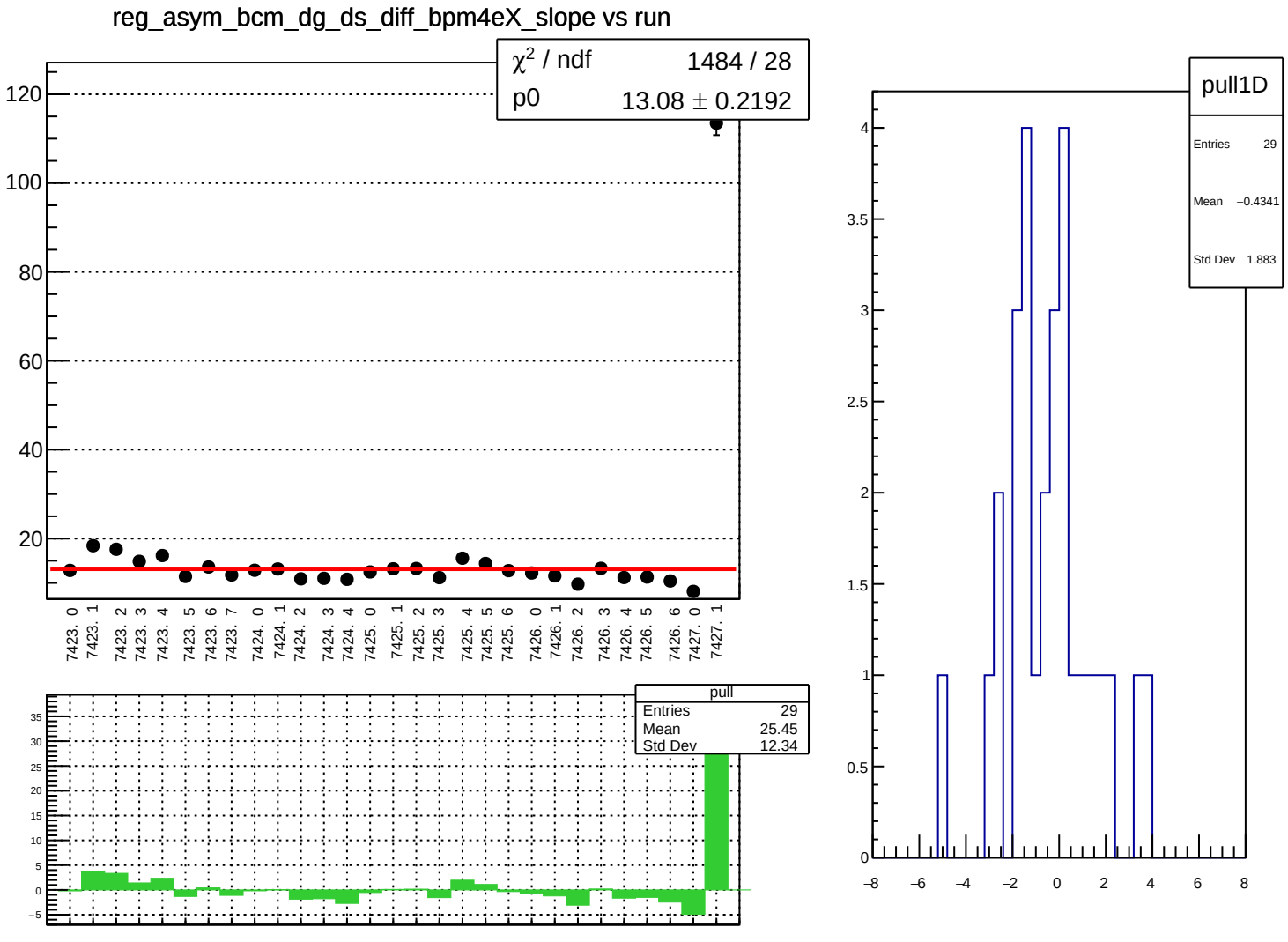

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 255.2 / 28
p0 1.219 ± 0.2144
50
40
30
20
10
0
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 42.12
Std Dev 20.88
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 29
Mean −0.2068
Std Dev 0.8726
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

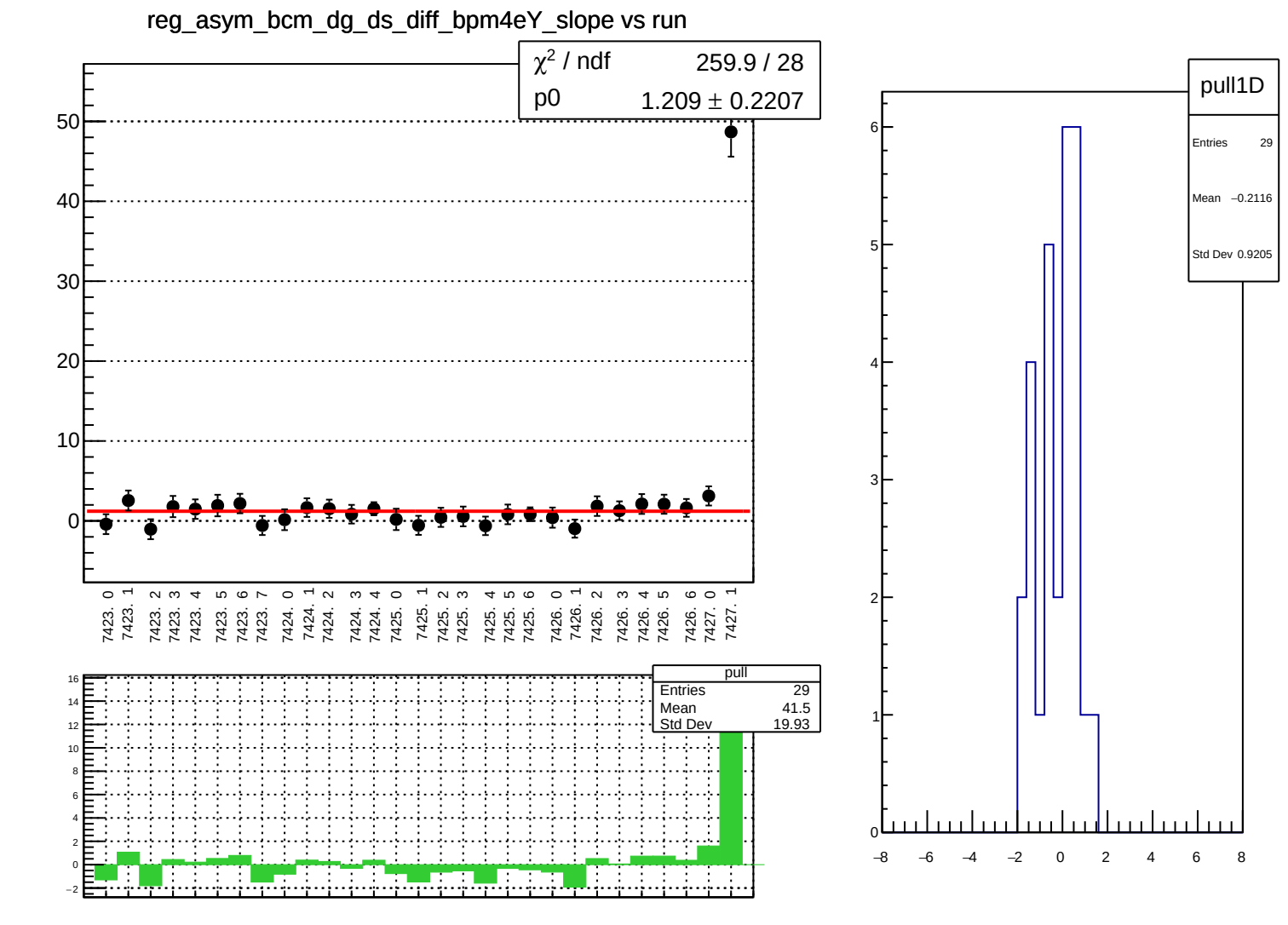

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 170.8 / 28
p0 0.1772 ± 0.009259
pull
Entries 29
Mean 32.86
Std Dev 8.379
pull1D
Entries 29
Mean −0.1472
Std Dev 0.776

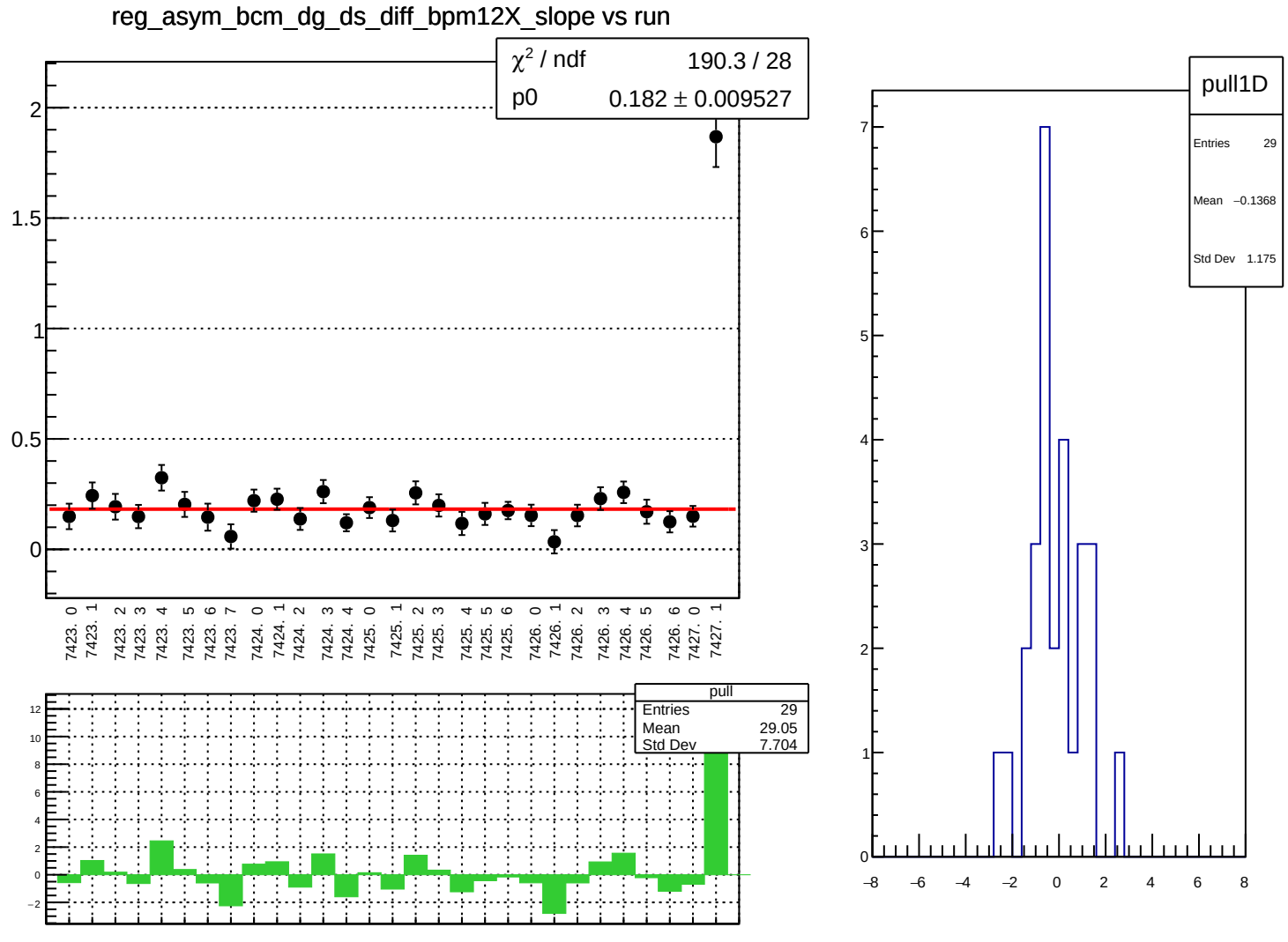

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1572 / 28
p0 −12.63 ± 0.21
0
−20
−40
−60
−80
−100
−120
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 25.26
Std Dev 12.61
5
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 29
Mean 0.449
Std Dev 1.925
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

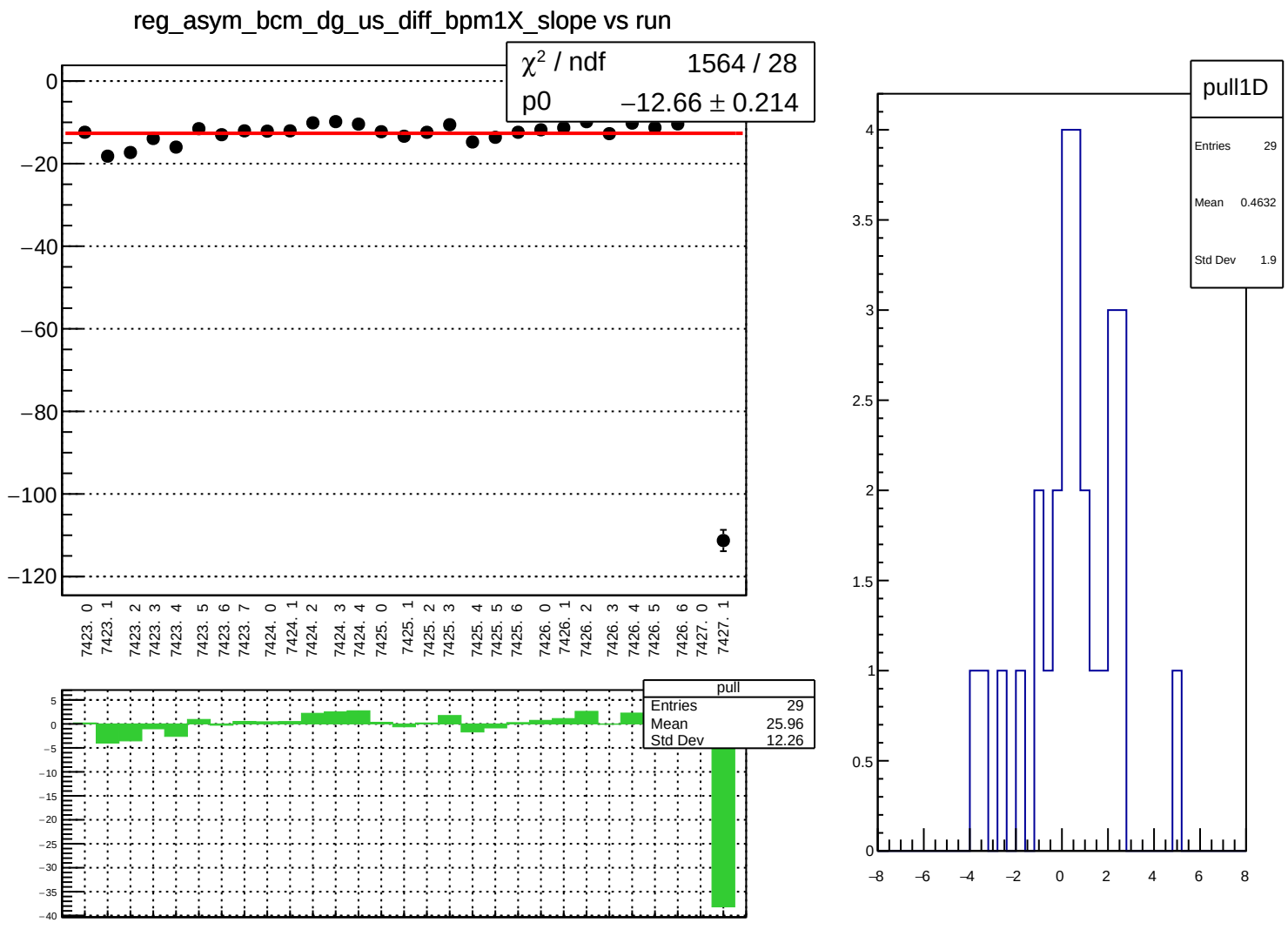

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 230.1 / 28
p0 −1.891 ± 0.2062
0
−10
−20
−30
−40
−50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 40.79
Std Dev 19.33
2
0
−2
−4
−6
−8
−10
−12
−14

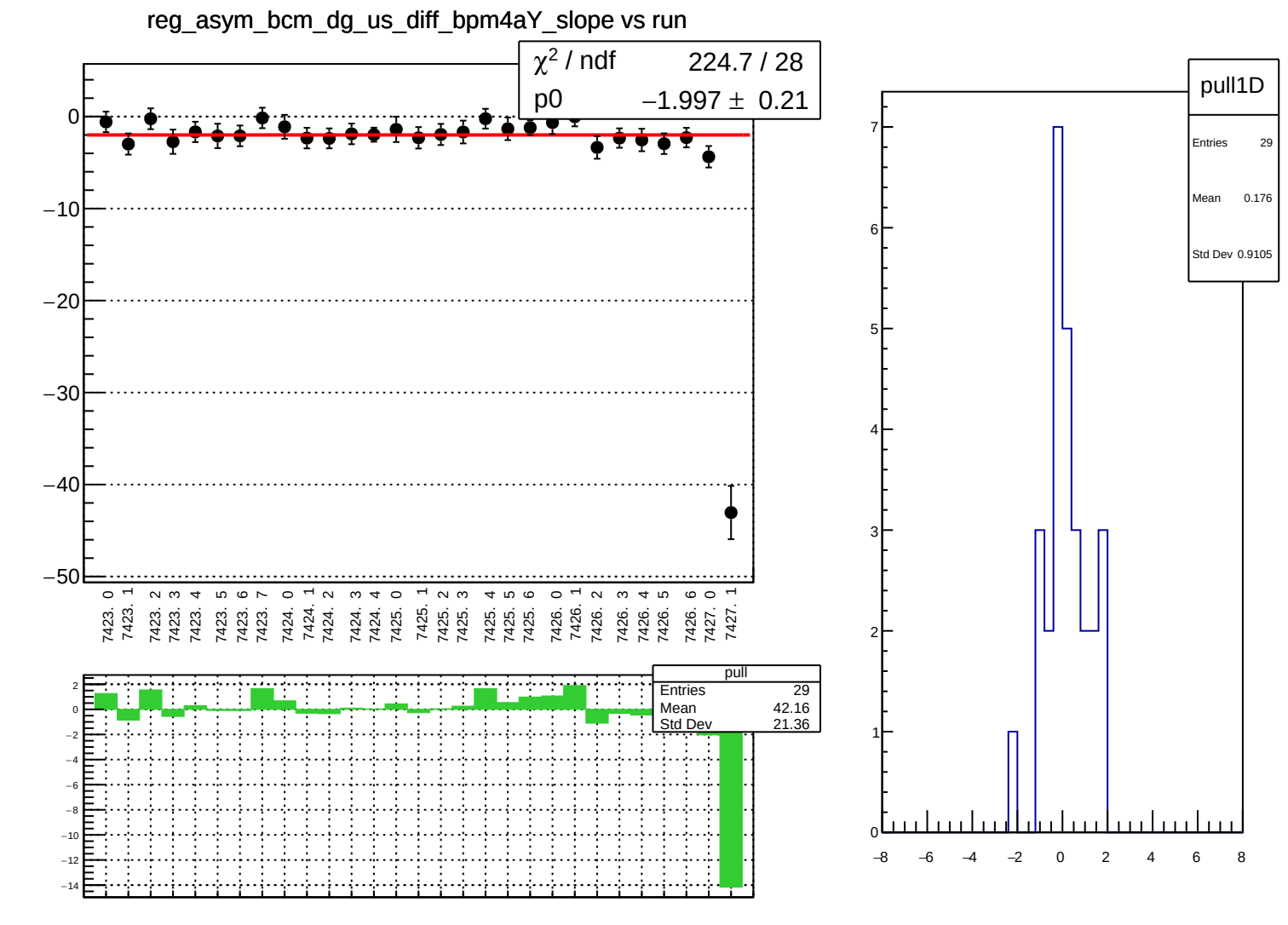

pull1D
Entries 29
Mean 0.174
Std Dev 0.9528
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

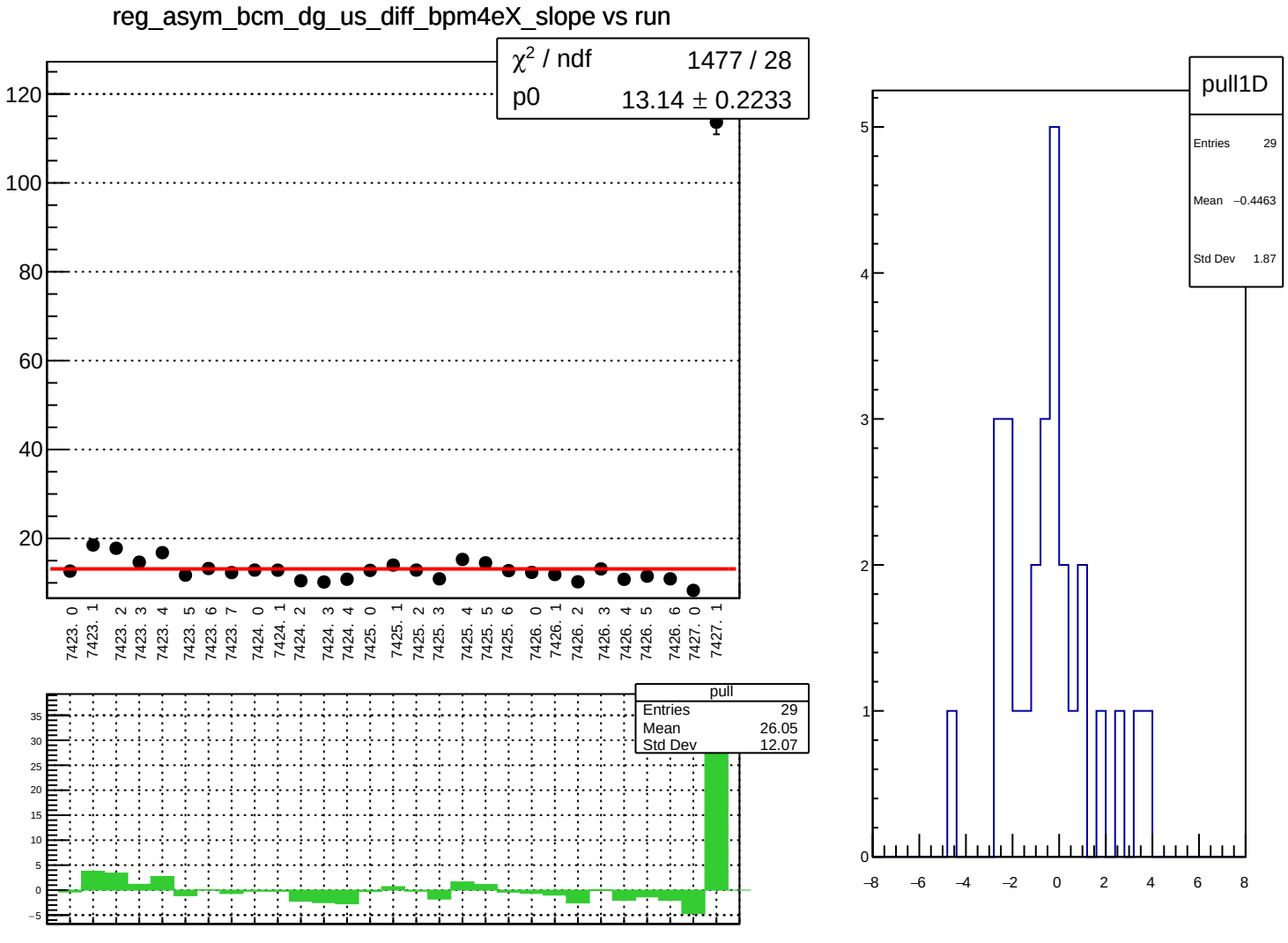

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1484 / 28
p0 13.08 ± 0.2192
120
100
80
60
40
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 25.45
Std Dev 12.34
35
30
25
20
15
10
5
0
−5
pull1D
Entries 29
Mean −0.4341
Std Dev 1.883
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

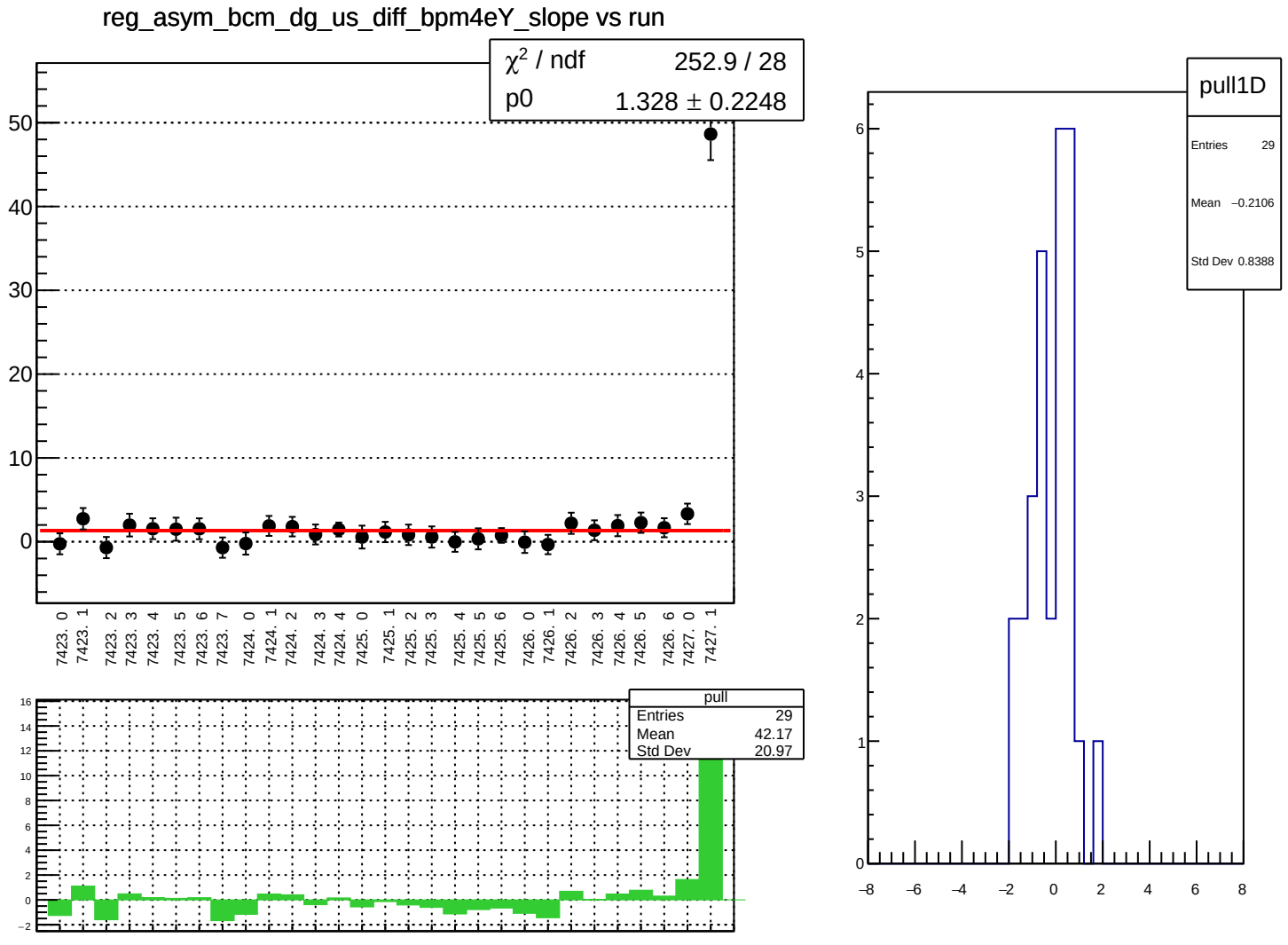

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 259.9 / 28
p0 1.209 ± 0.2207
50
40
30
20
10
0
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 41.5
Std Dev 19.93
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 29
Mean −0.2116
Std Dev 0.9205
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

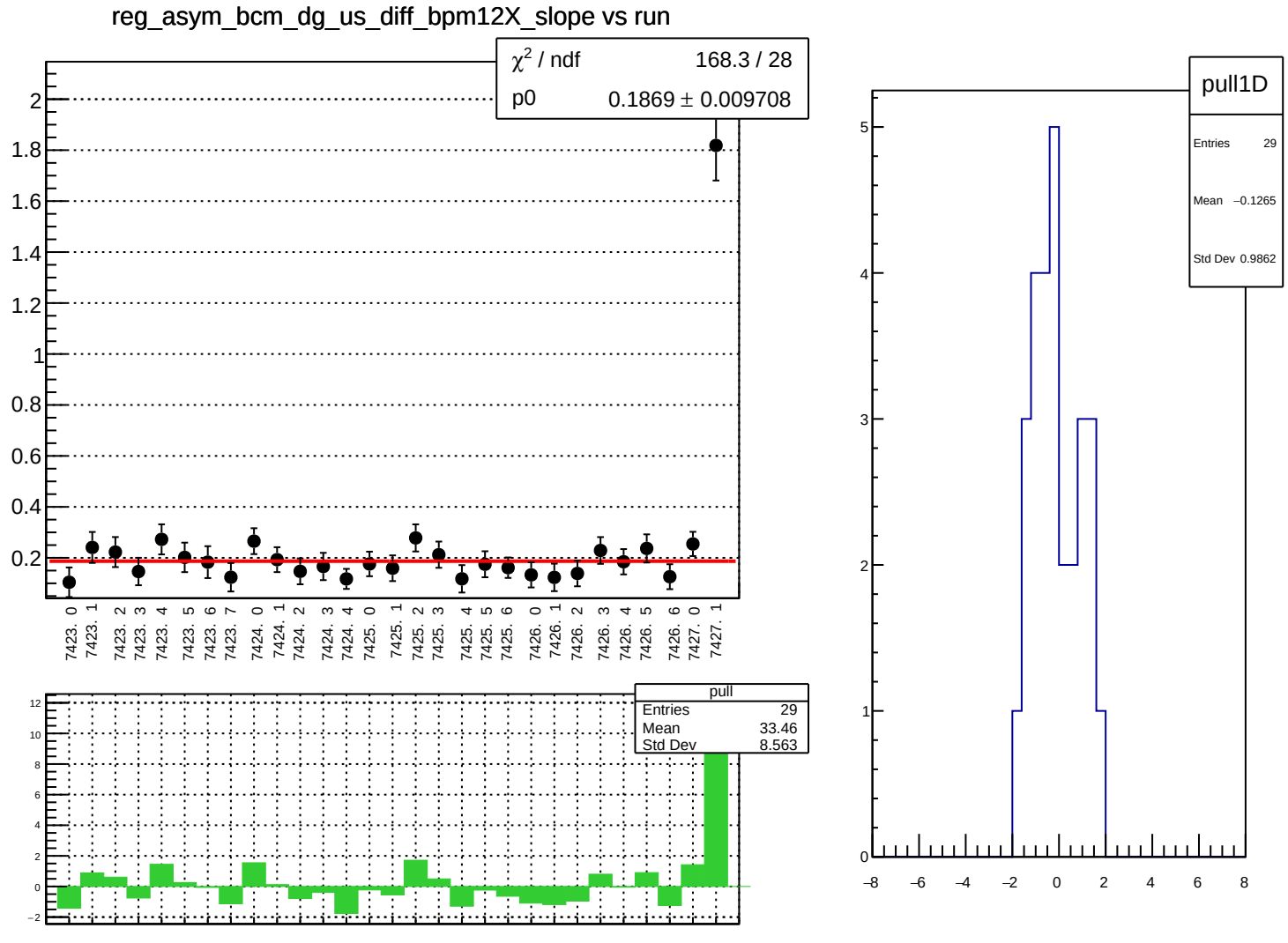

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 190.3 / 28
p0 0.182 ± 0.009527
2
1.5
1
0.5
0
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 29.05
Std Dev 7.704
12
10
8
6
4
2
0
−2
pull1D
Entries 29
Mean −0.1368
Std Dev 1.175
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1564 / 28
p0 −12.66 ± 0.214
0
−20
−40
−60
−80
−100
−120
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 25.96
Std Dev 12.26
5
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 29
Mean 0.4632
Std Dev 1.9
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 224.7 / 28
p0 −1.997 ± 0.21
0
−10
−20
−30
−40
−50
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 42.16
Std Dev 21.36
2
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 29
Mean 0.176
Std Dev 0.9105
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1477 / 28
p0 13.14 ± 0.2233
120
100
80
60
40
20
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 26.05
Std Dev 12.07
35
30
25
20
15
10
5
0
−5
pull1D
Entries 29
Mean −0.4463
Std Dev 1.87
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 252.9 / 28
p0 1.328 ± 0.2248
50
40
30
20
10
0
7423. 0
7423. 1
7423. 2
7423. 3
7423. 4
7423. 5
7423. 6
7423. 7
7424. 0
7424. 1
7424. 2
7424. 3
7424. 4
7425. 0
7425. 1
7425. 2
7425. 3
7425. 4
7425. 5
7425. 6
7426. 0
7426. 1
7426. 2
7426. 3
7426. 4
7426. 5
7426. 6
7427. 0
7427. 1
pull
Entries 29
Mean 42.17
Std Dev 20.97
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 29
Mean −0.2106
Std Dev 0.8388
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 168.3 / 28
p0 0.1869 ± 0.009708
pull
Entries 29
Mean 33.46
Std Dev 8.563
pull1D
Entries 29
Mean −0.1265
Std Dev 0.9862