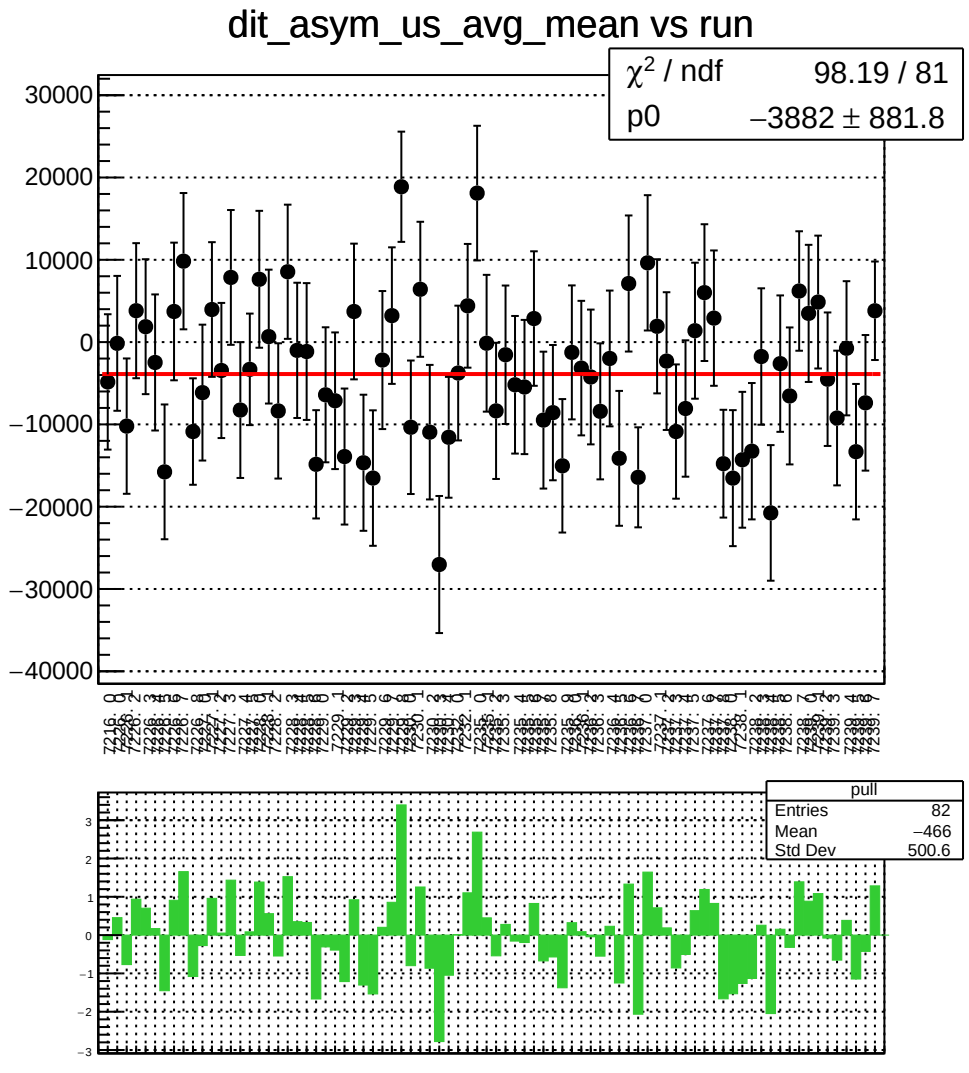
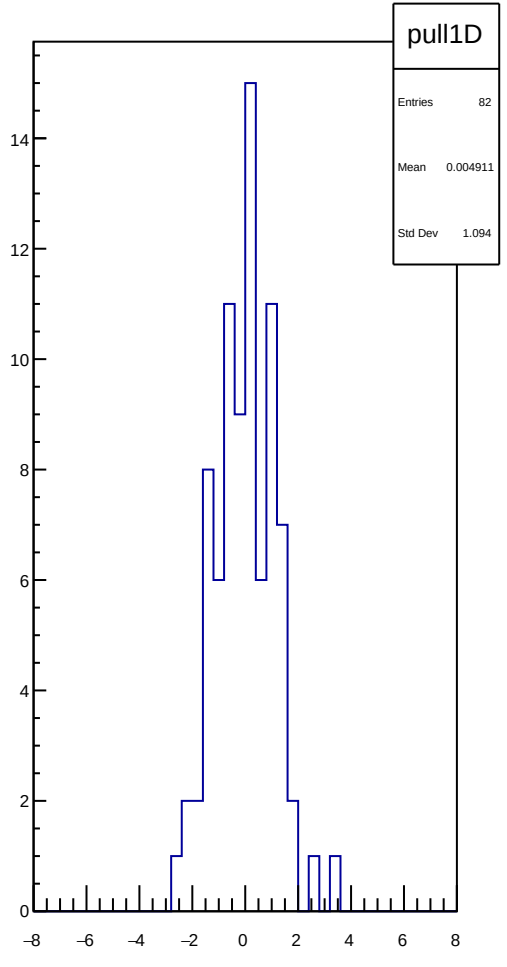
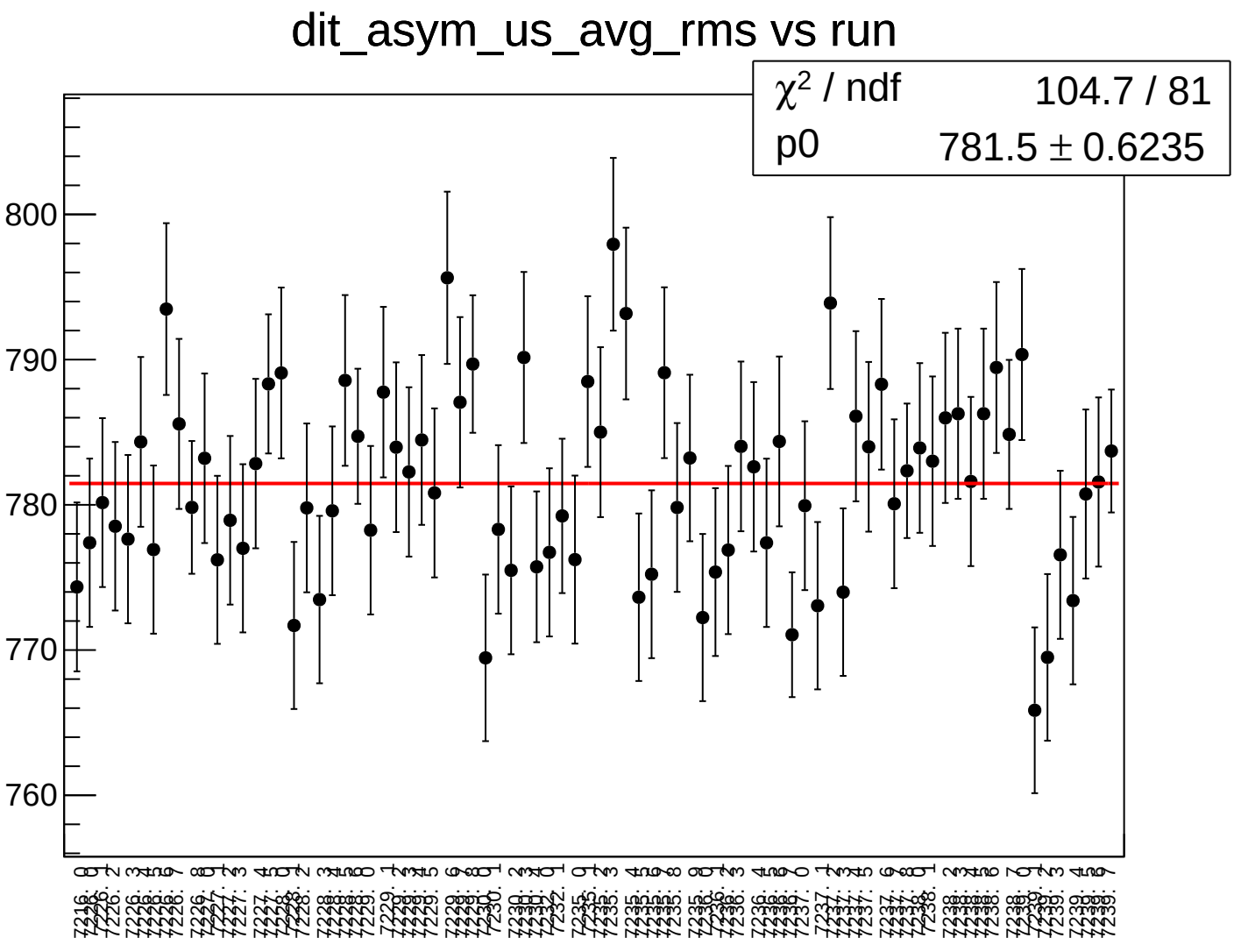
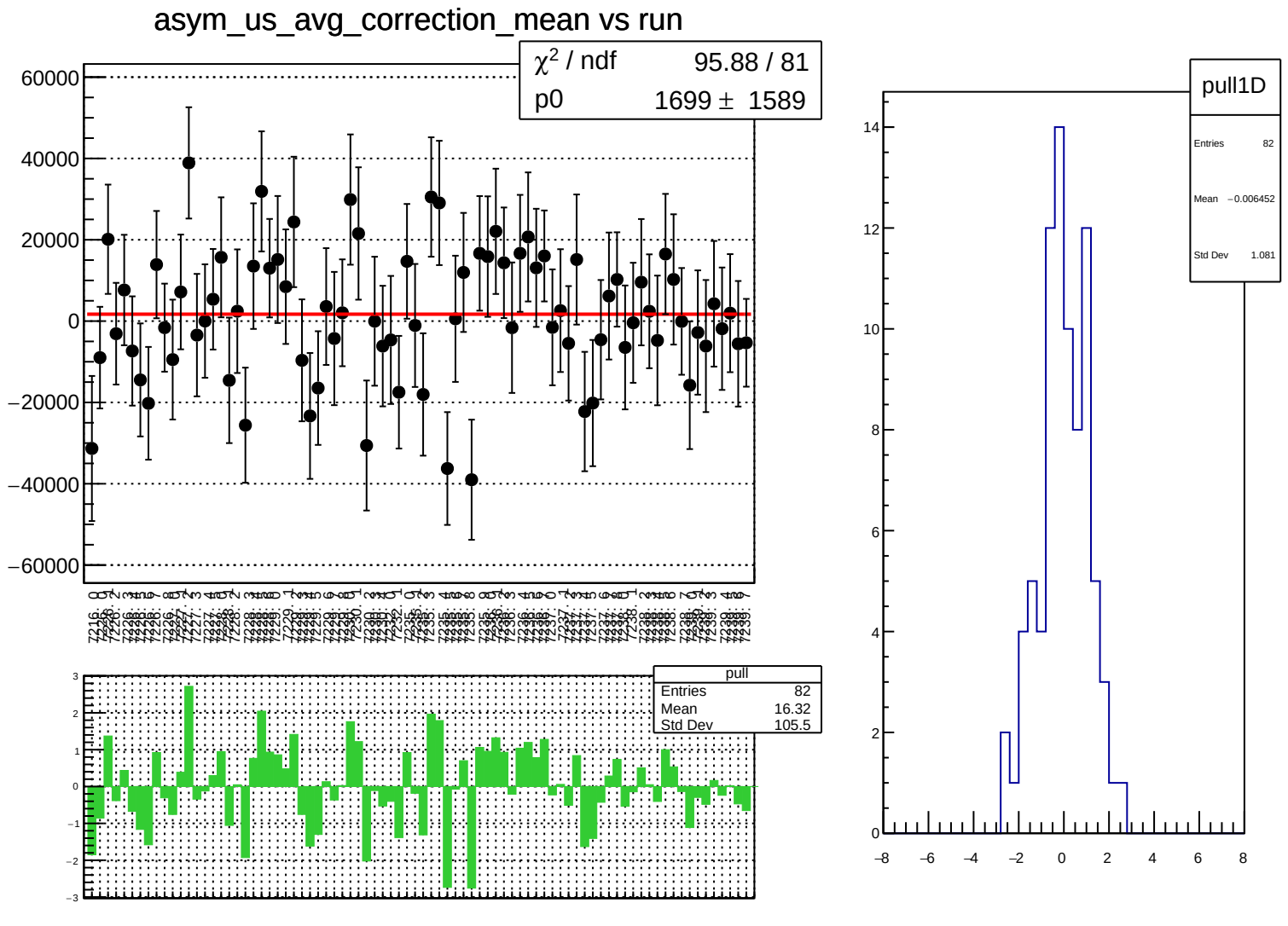
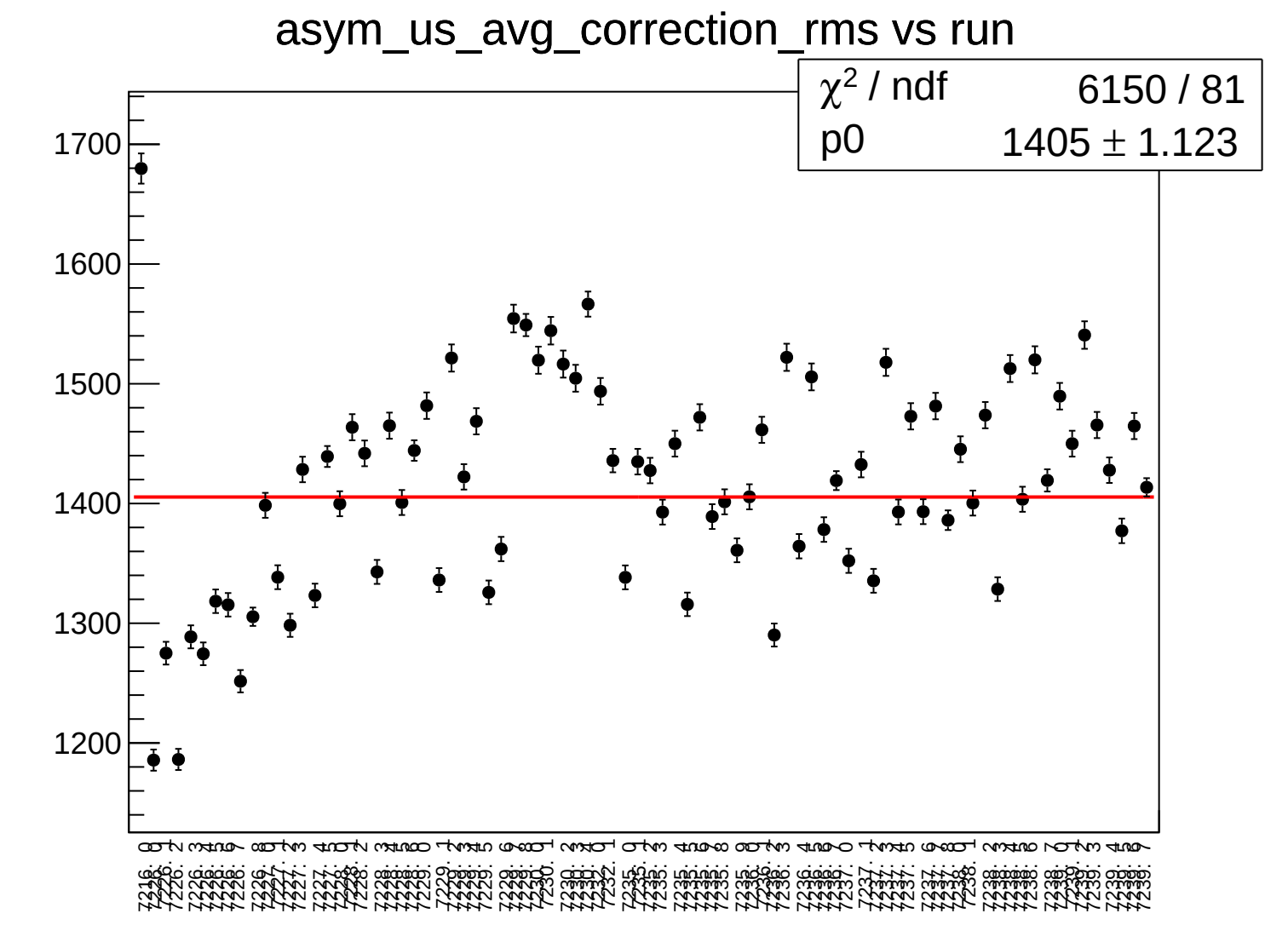
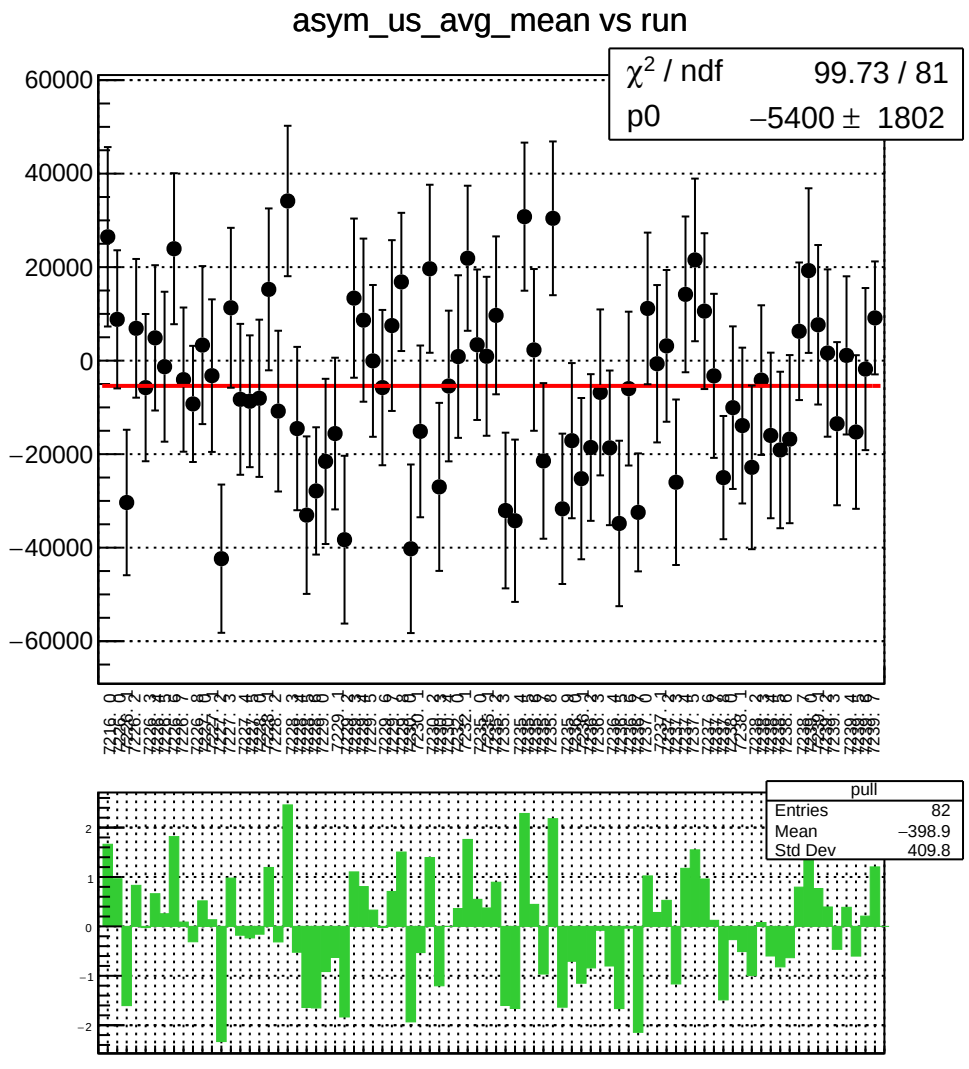

dit_asym_us_avg_mean vs run
χ² / ndf 98.19 / 81
p0 −3882 ± 881.8
pull
Entries 82
Mean −466
Std Dev 500.6

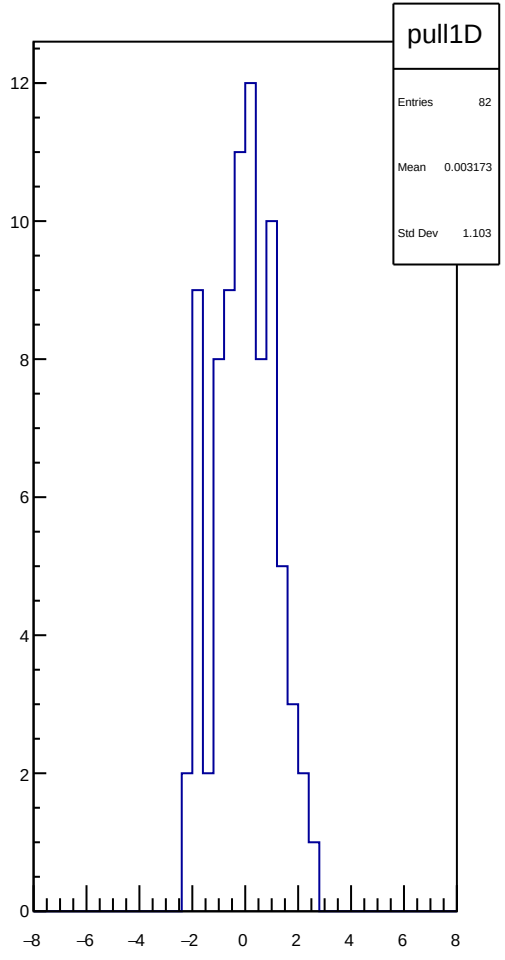

pull1D
Entries 82
Mean 0.004911
Std Dev 1.094

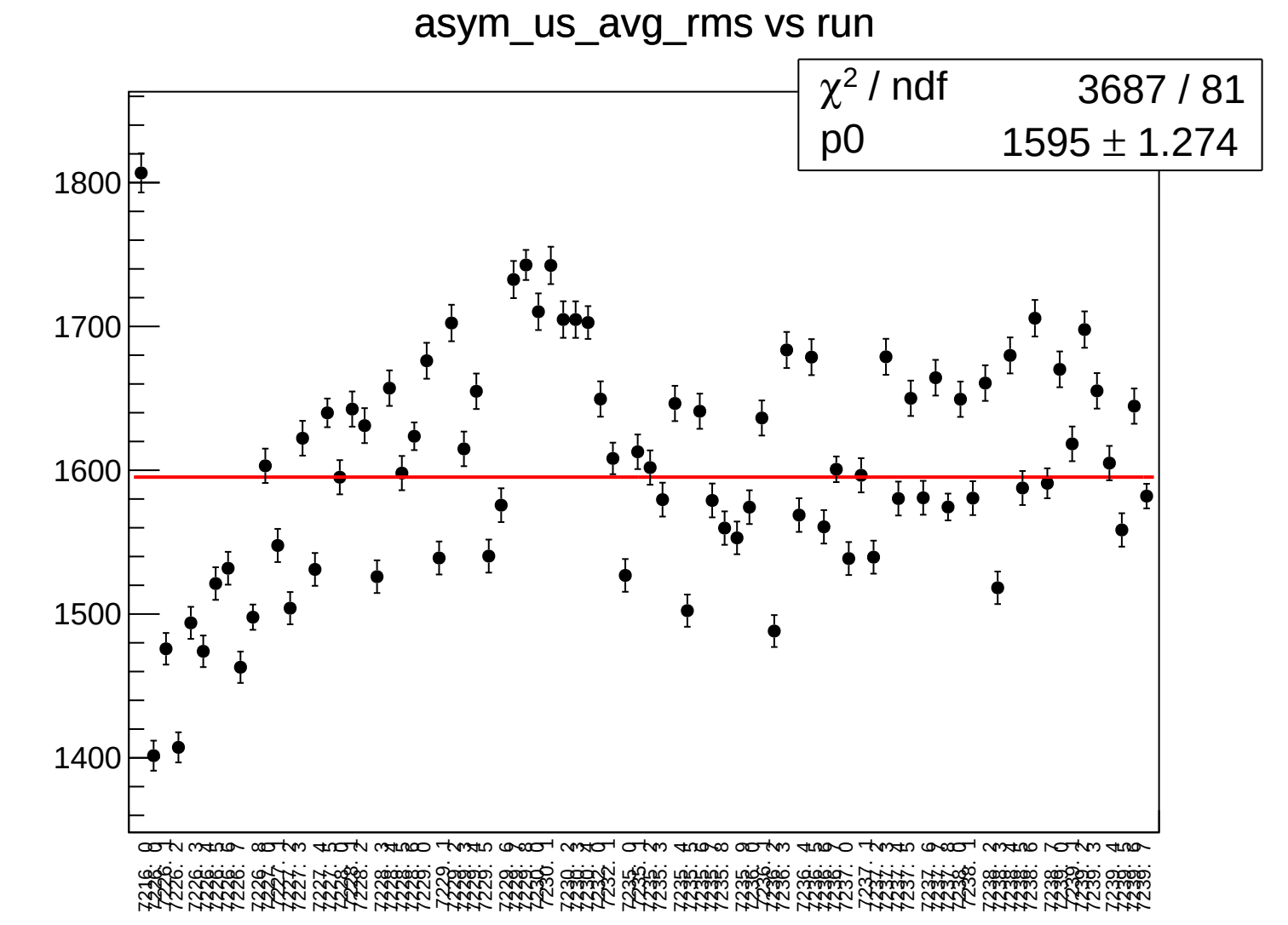

dit_asym_us_avg_rms vs run
χ² / ndf 104.7 / 81
p0 781.5 ± 0.6235
800
790
780
770
760

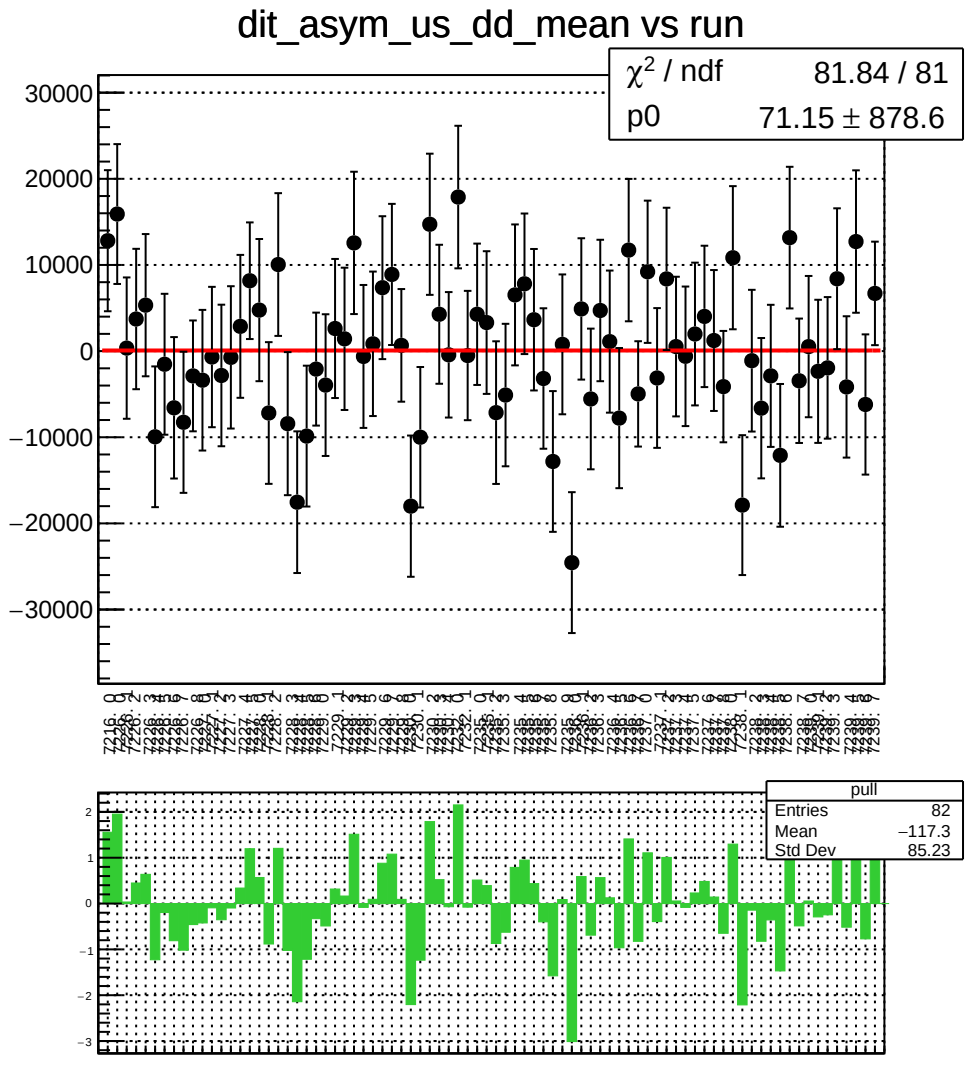

asym_us_avg_correction_mean vs run
χ² / ndf 95.88 / 81
p0 1699 ± 1589
pull
Entries 82
Mean 16.32
Std Dev 105.5
pull1D
Entries 82
Mean −0.006452
Std Dev 1.081

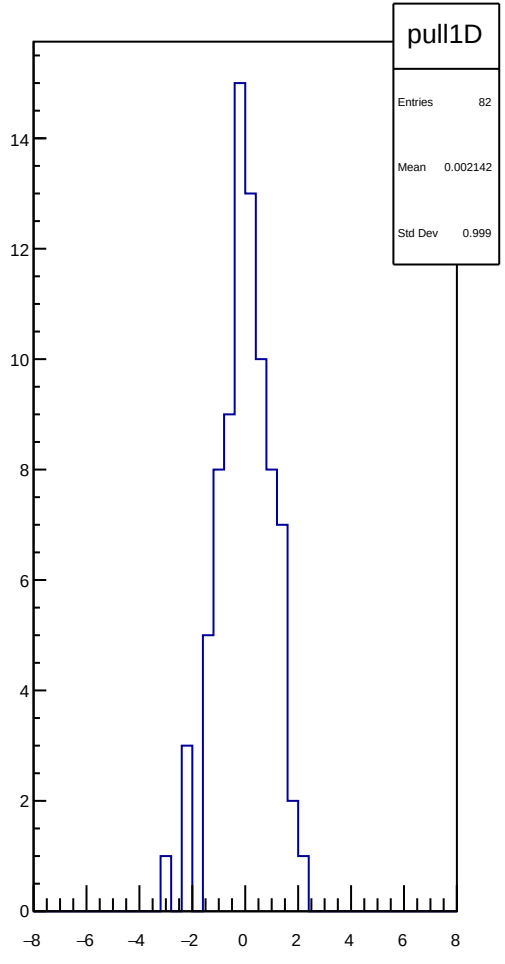

asym_us_avg_correction_rms vs run
χ² / ndf 6150 / 81
p0 1405 ± 1.123
1700
1600
1500
1400
1300
1200

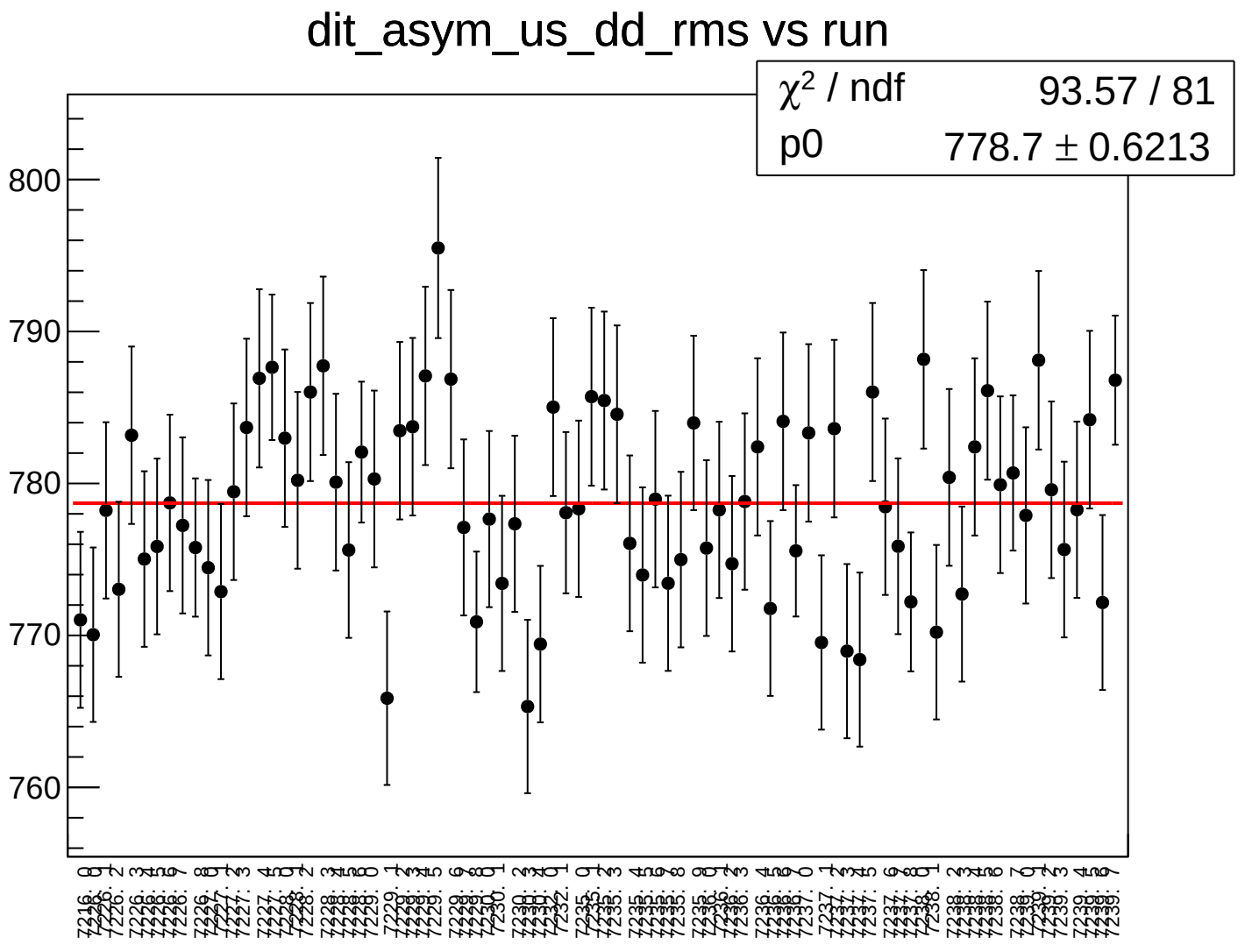

asym_us_avg_mean vs run
χ² / ndf 99.73 / 81
p0 −5400 ± 1802
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −398.9
Std Dev 409.8
2
1
0
−1
−2

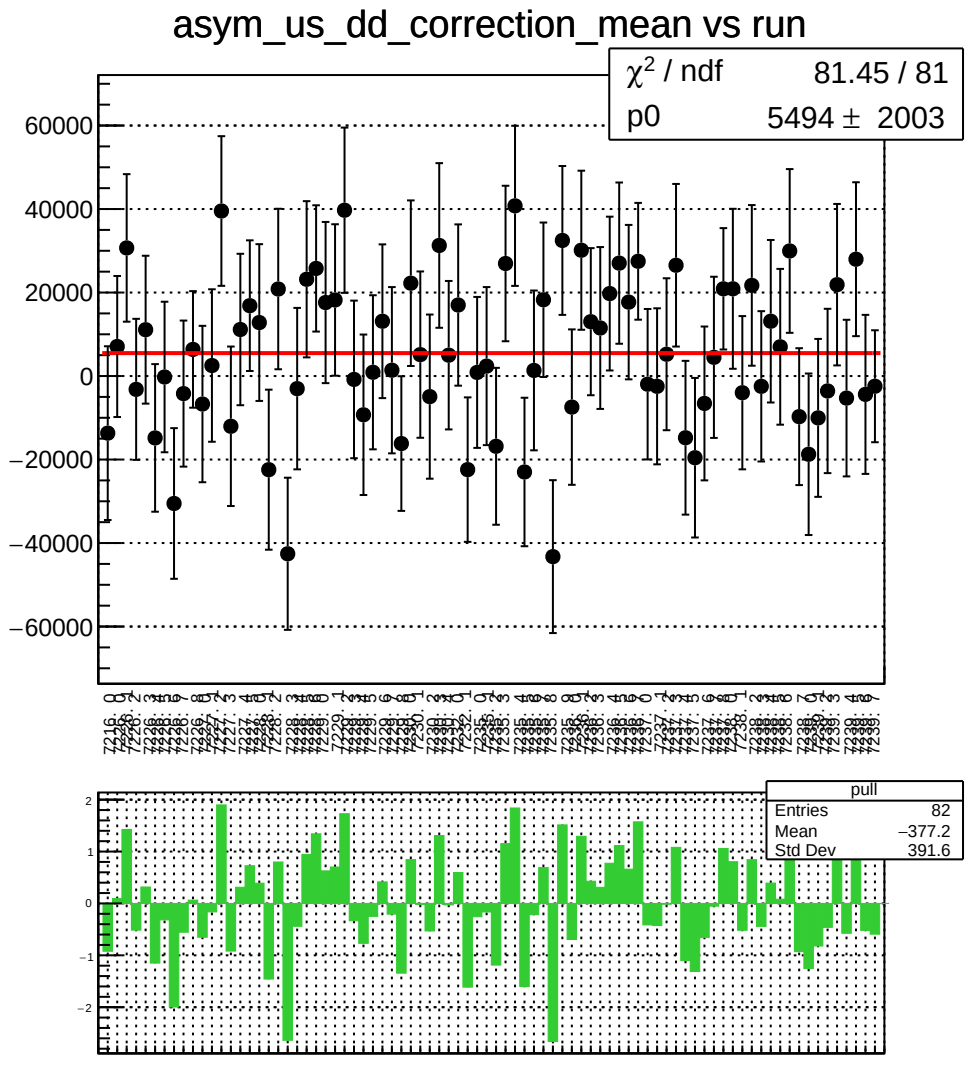

pull1D
Entries 82
Mean 0.003173
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

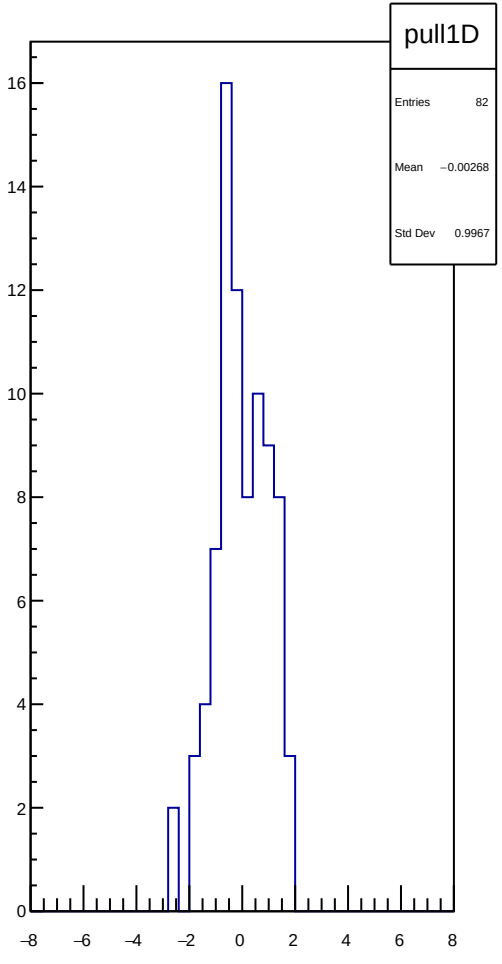

asym_us_avg_rms vs run
χ^2 / ndf 3687 / 81
p0 1595 ± 1.274
1800
1700
1600
1500
1400

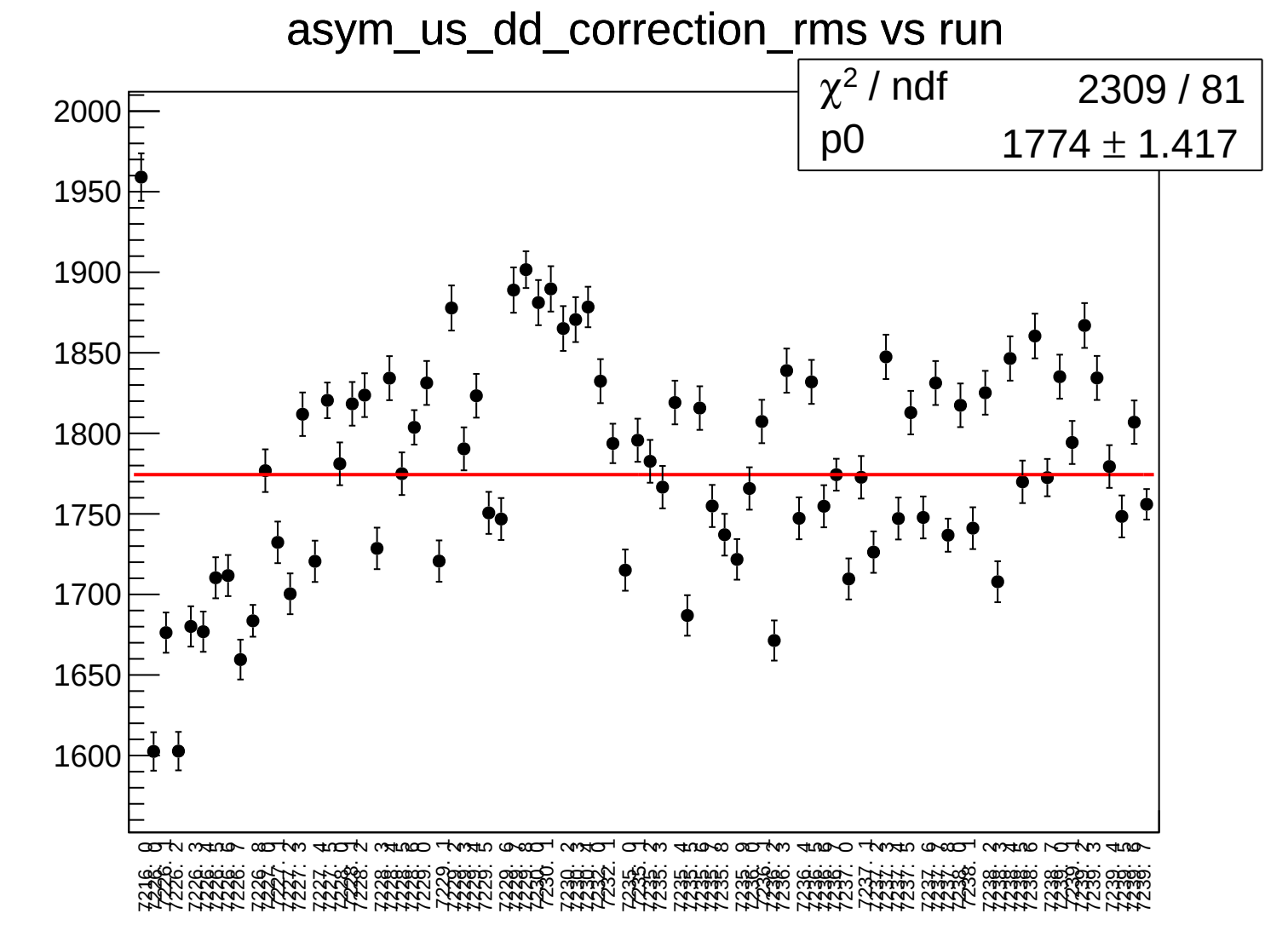

dit_asym_us_dd_mean vs run
χ² / ndf 81.84 / 81
p0 71.15 ± 878.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −117.3
Std Dev 85.23
2
1
0
−1
−2
−3

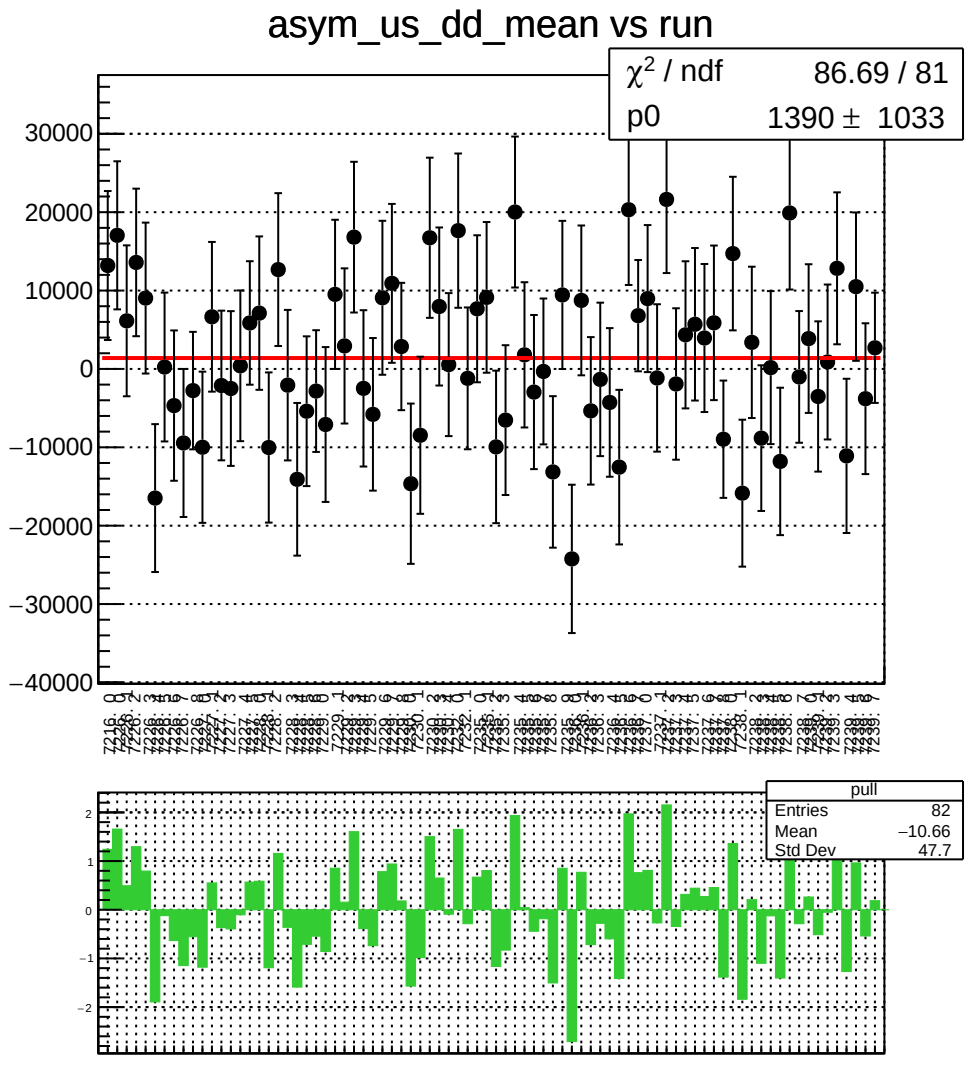

pull1D
Entries 82
Mean 0.002142
Std Dev 0.999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

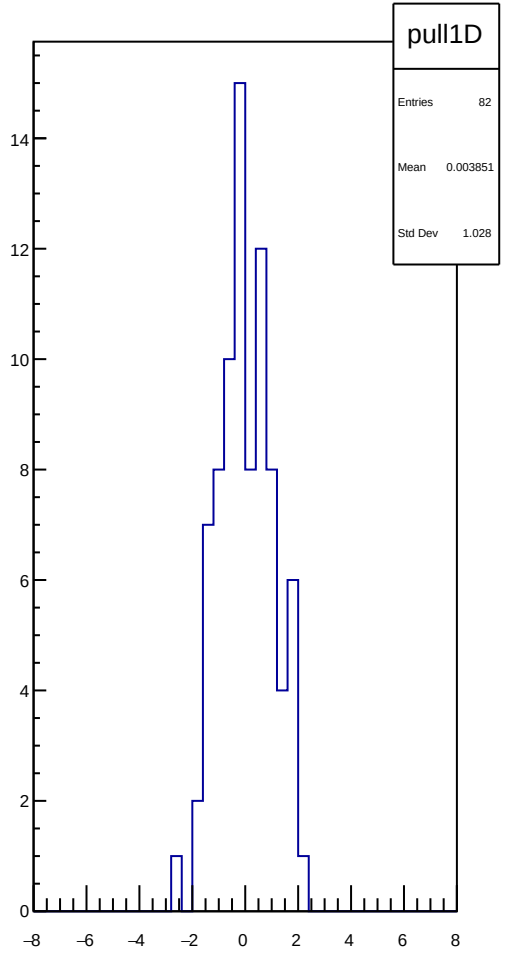

dit_asym_us_dd_rms vs run
χ² / ndf 93.57 / 81
p0 778.7 ± 0.6213
800
790
780
770
760

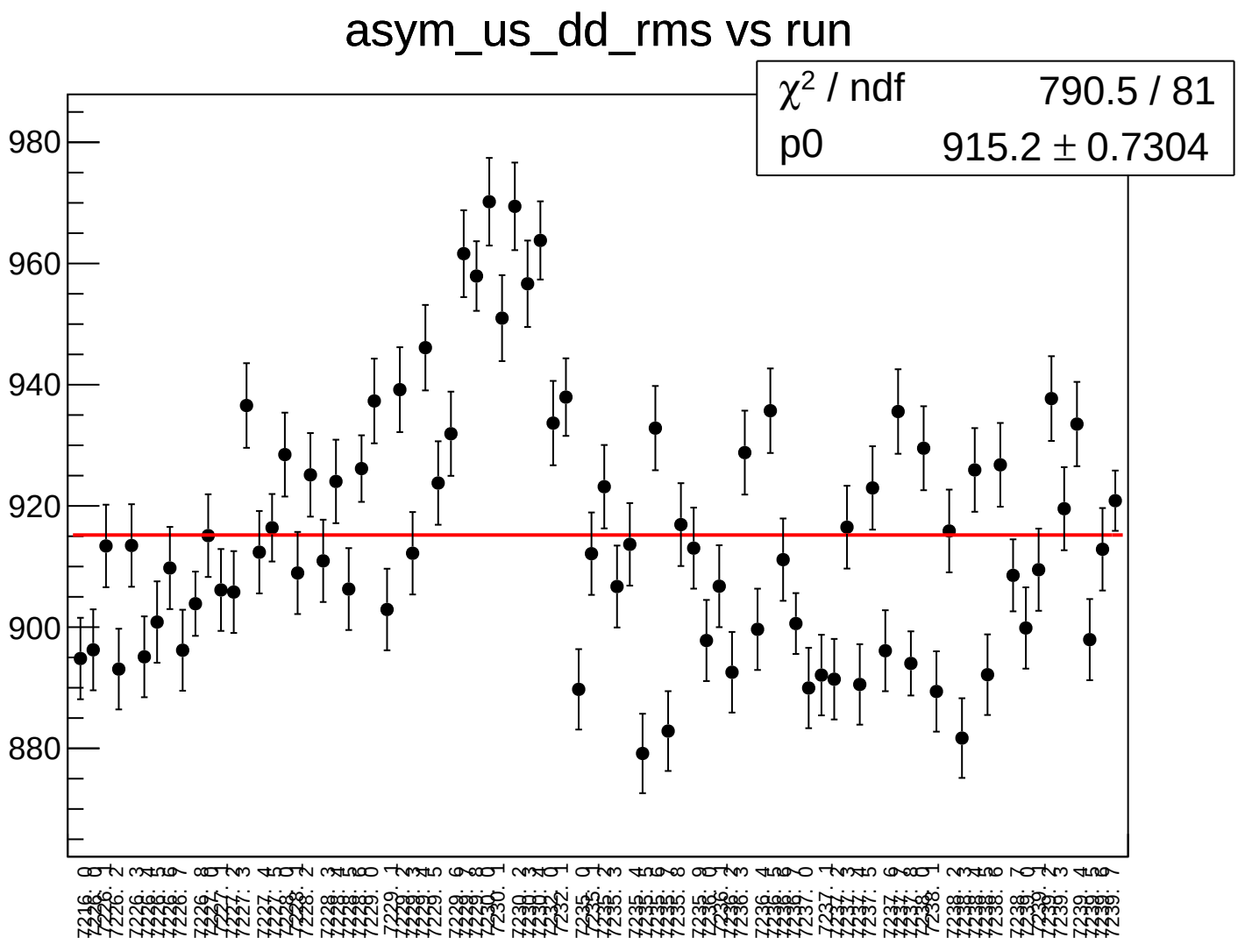

asym_us_dd_correction_mean vs run
χ² / ndf 81.45 / 81
p0 5494 ± 2003
pull
Entries 82
Mean −377.2
Std Dev 391.6

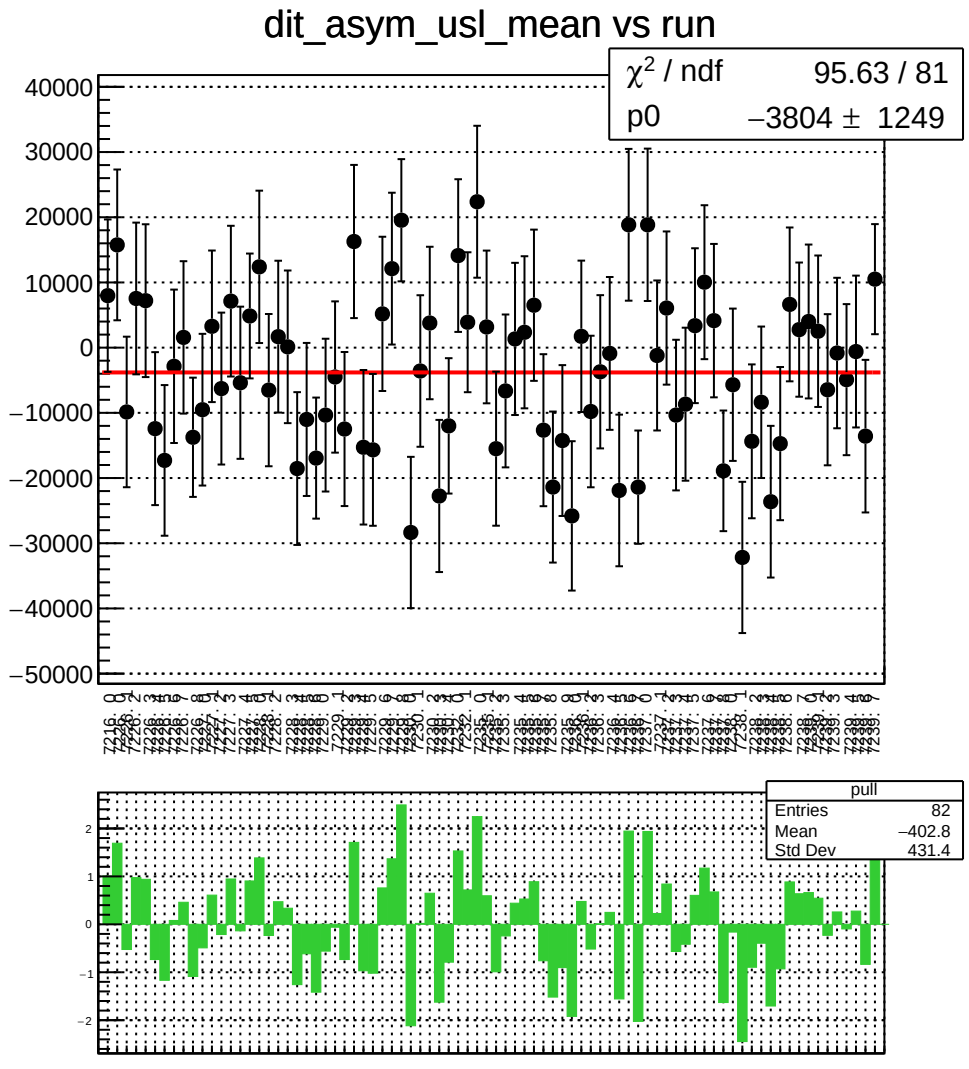

pull1D
Entries 82
Mean −0.00268
Std Dev 0.9967

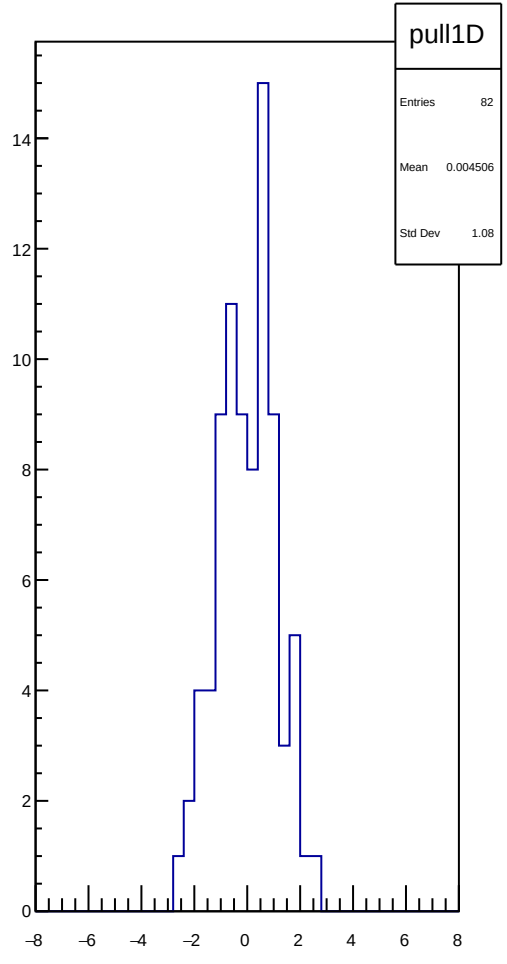

asym_us_dd_correction_rms vs run
χ² / ndf 2309 / 81
p0 1774 ± 1.417
2000
1950
1900
1850
1800
1750
1700
1650
1600

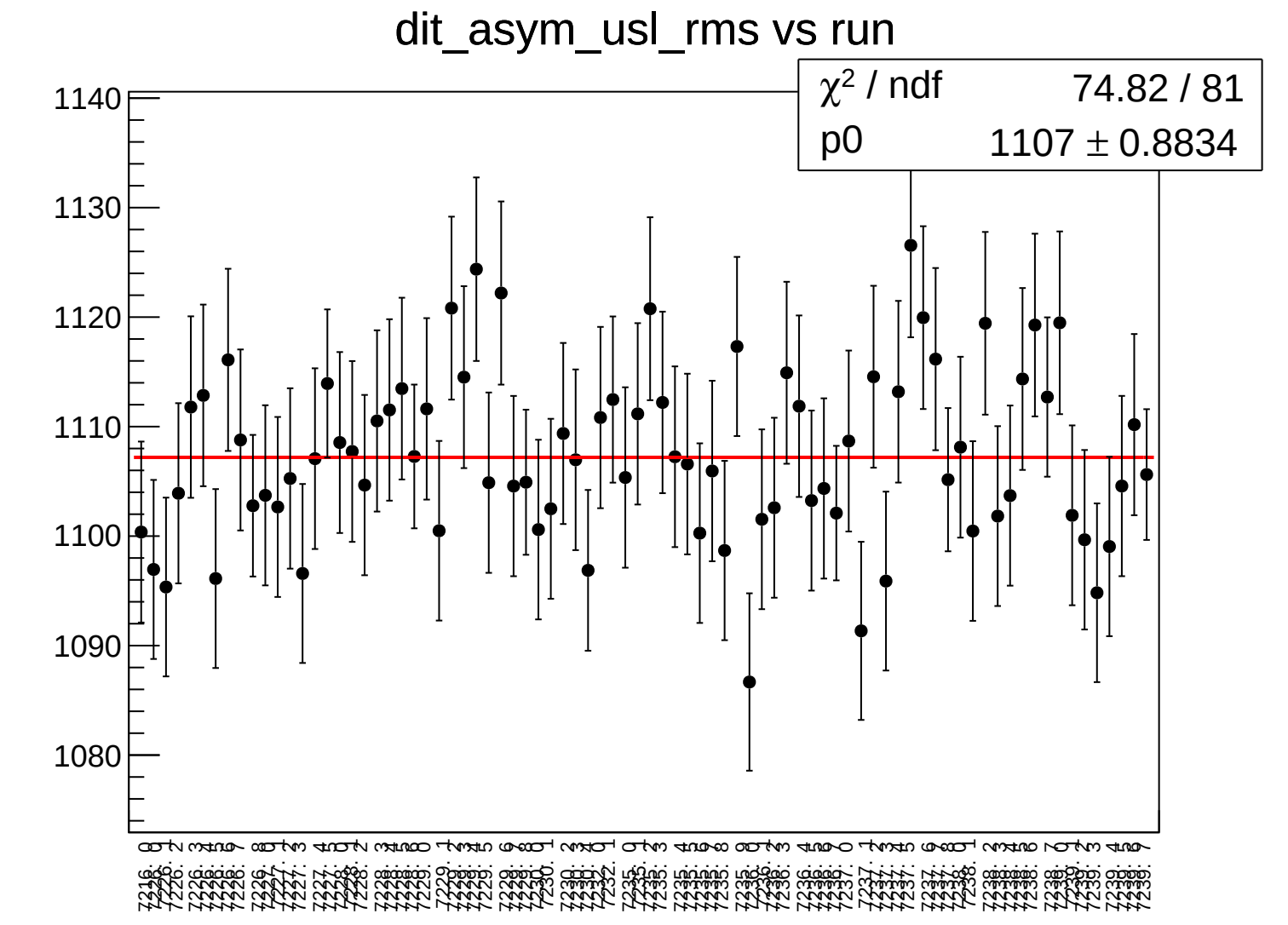

asym_us_dd_mean vs run
χ² / ndf 86.69 / 81
p0 1390 ± 1033
pull
Entries 82
Mean −10.66
Std Dev 47.7

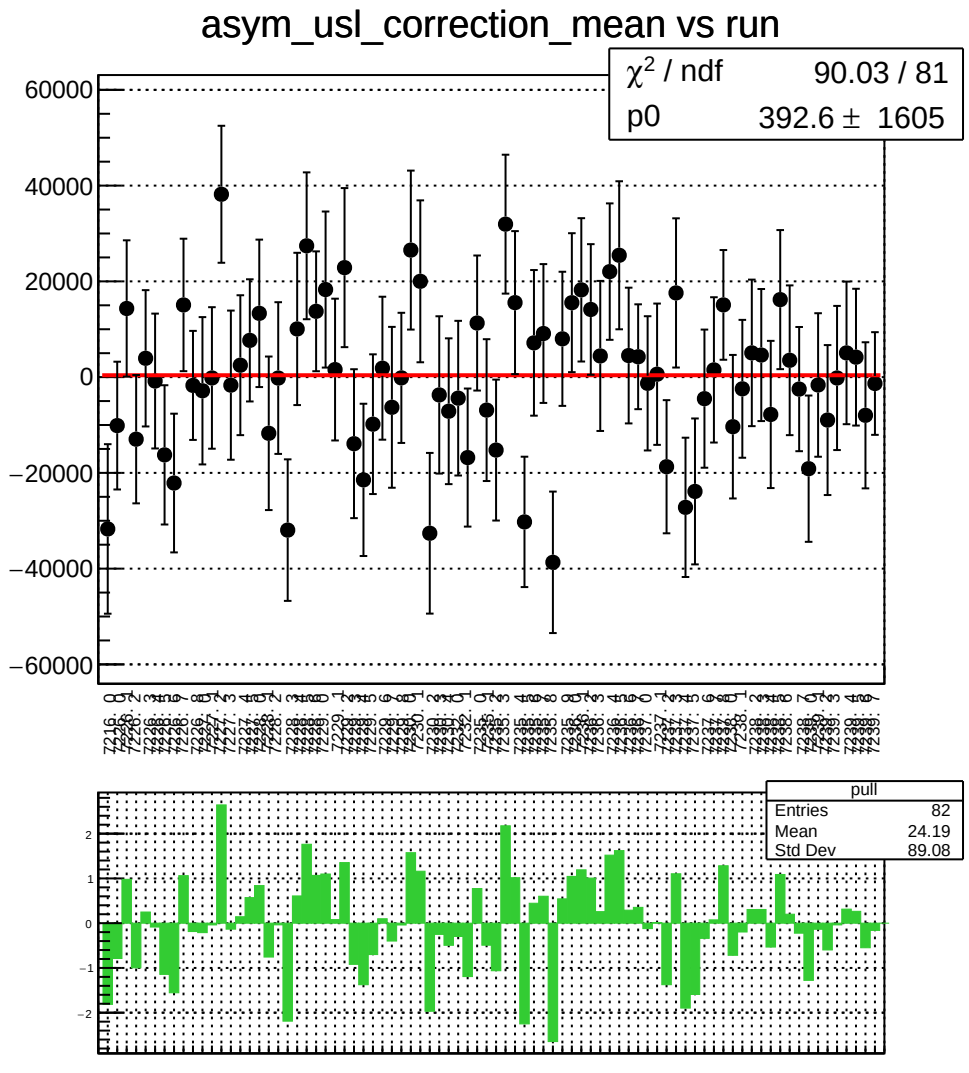

pull1D
Entries 82
Mean 0.003851
Std Dev 1.028

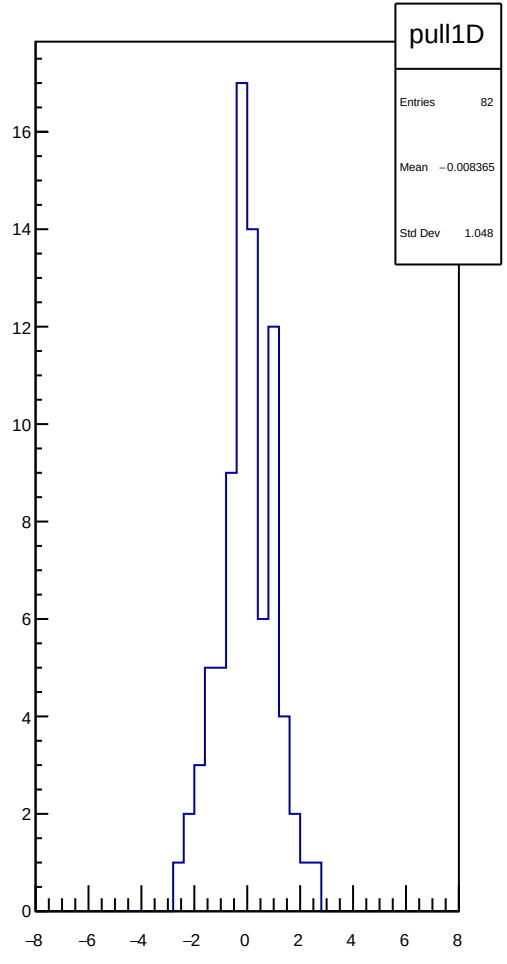

asym_us_dd_rms vs run
χ^2 / ndf 790.5 / 81
p0 915.2 ± 0.7304
980
960
940
920
900
880

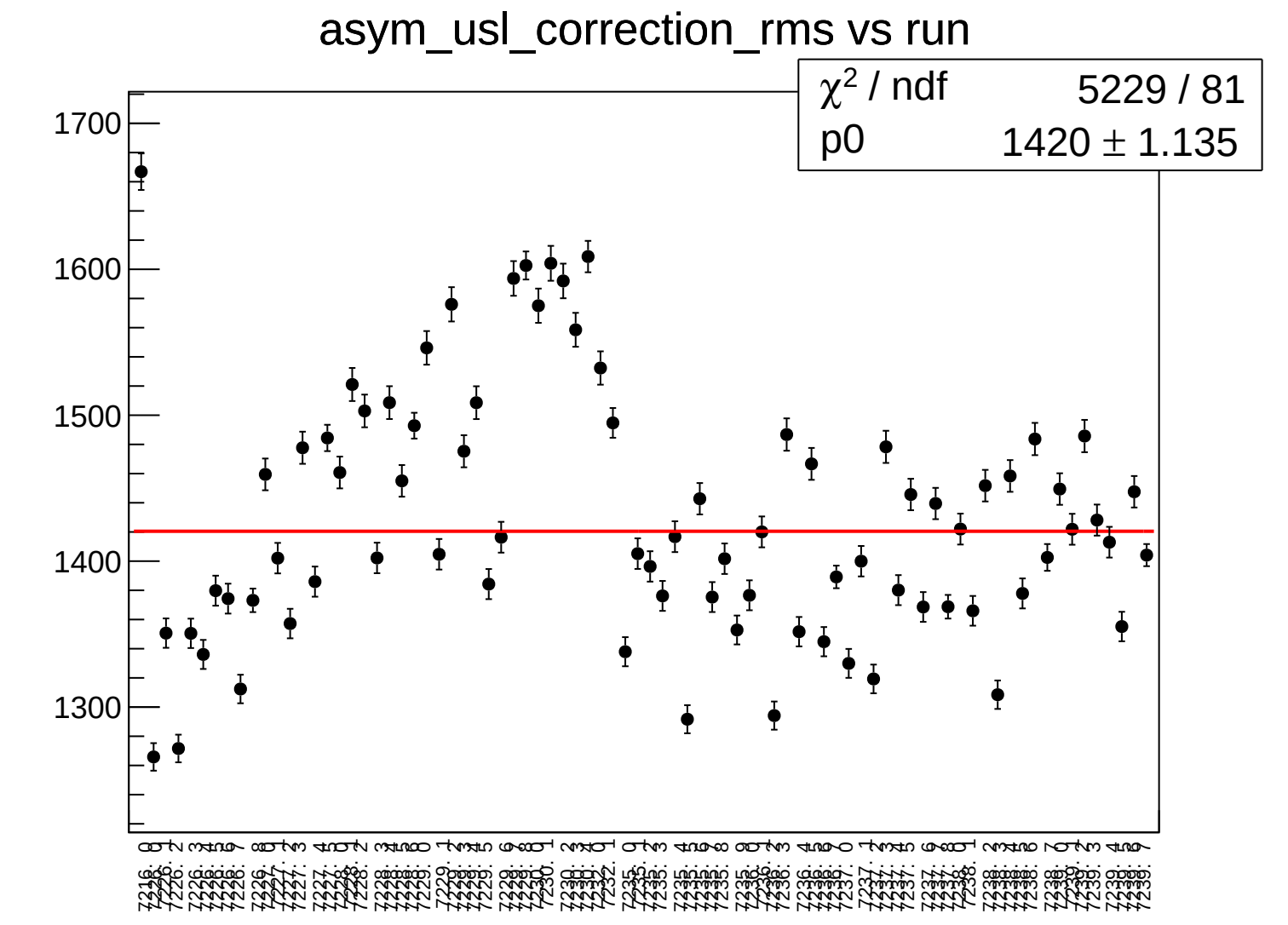

dit_asym_usl_mean vs run
χ² / ndf 95.63 / 81
p0 −3804 ± 1249
pull
Entries 82
Mean −402.8
Std Dev 431.4

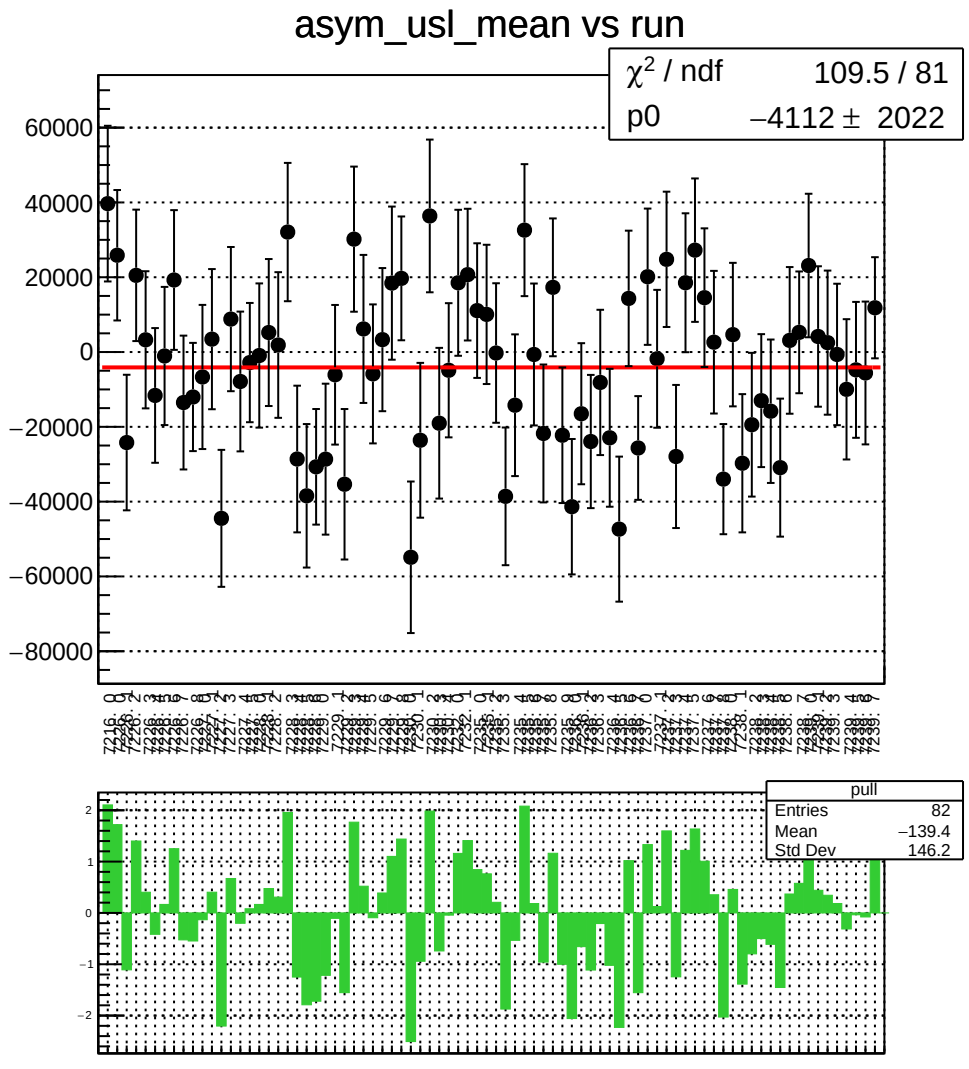

pull1D
Entries 82
Mean 0.004506
Std Dev 1.08

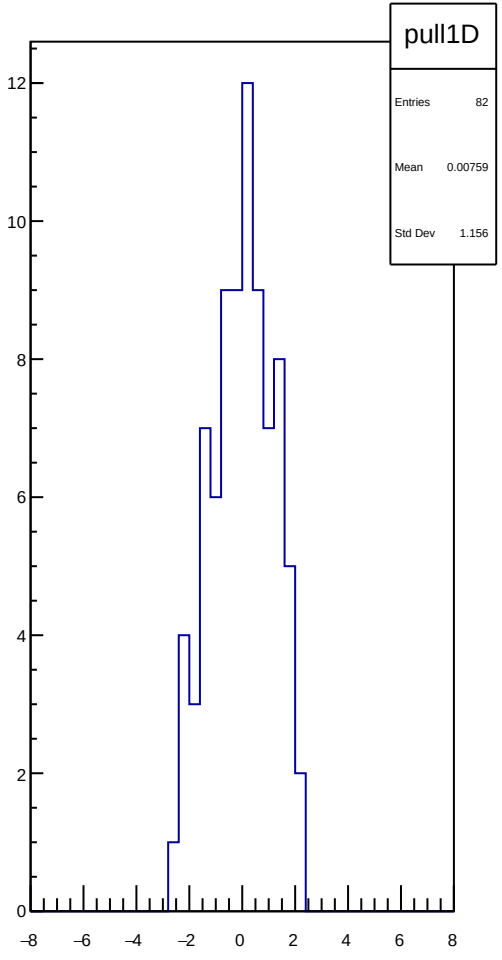

dit_asym_usl_rms vs run
χ² / ndf 74.82 / 81
p0 1107 ± 0.8834
1140
1130
1120
1110
1100
1090
1080

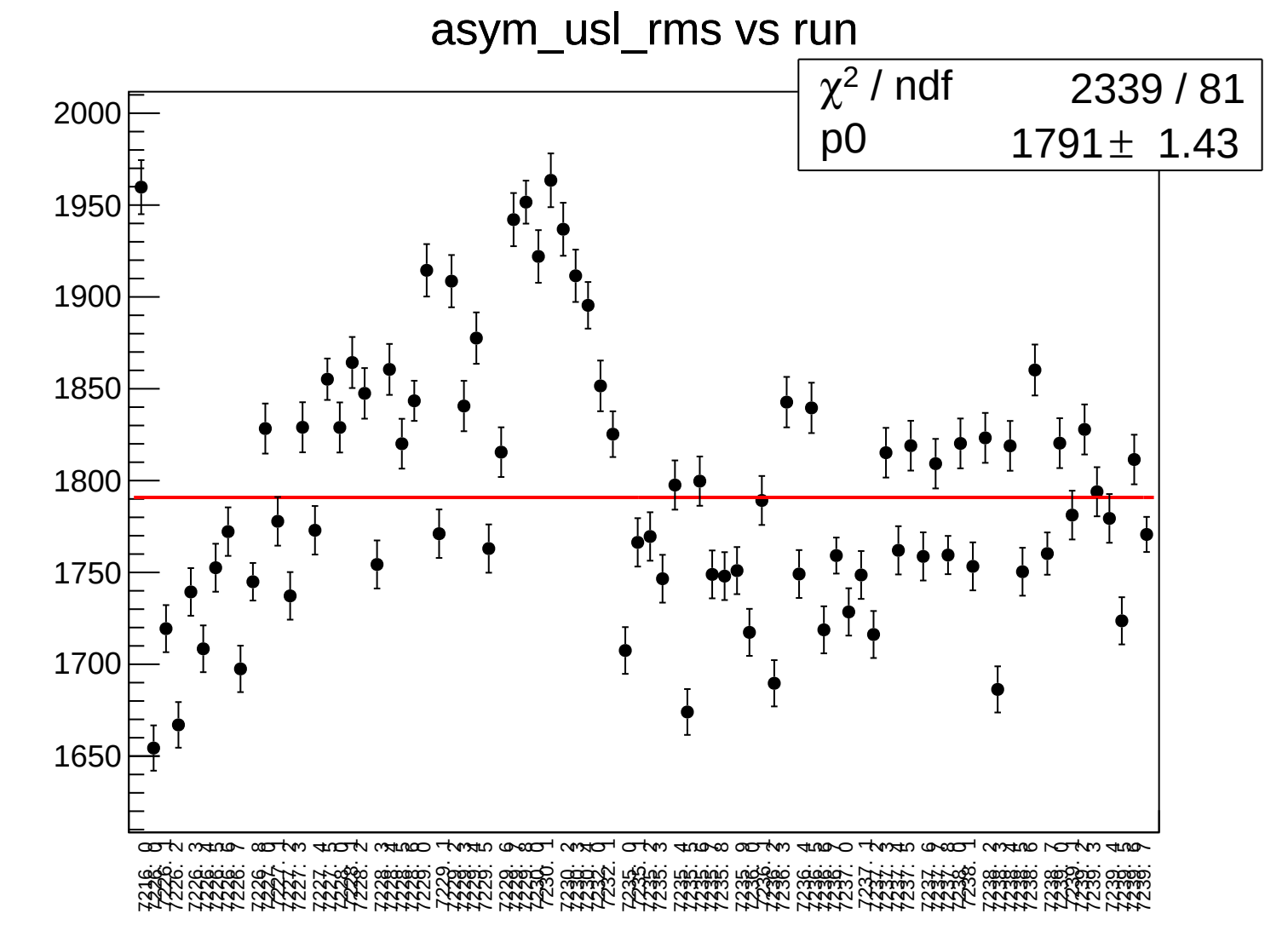

asym_usl_correction_mean vs run
χ² / ndf 90.03 / 81
p0 392.6 ± 1605
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 24.19
Std Dev 89.08
2
1
0
−1
−2

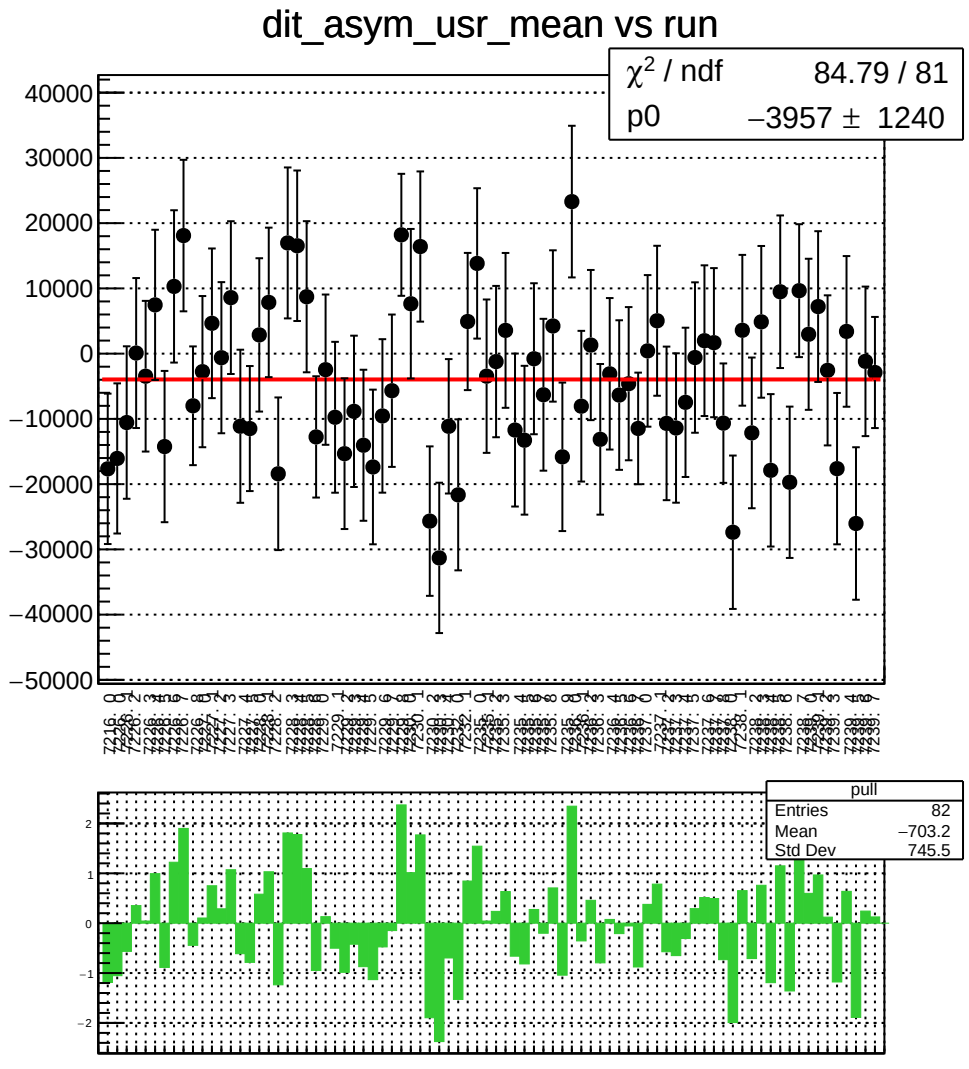

pull1D
Entries 82
Mean −0.008365
Std Dev 1.048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

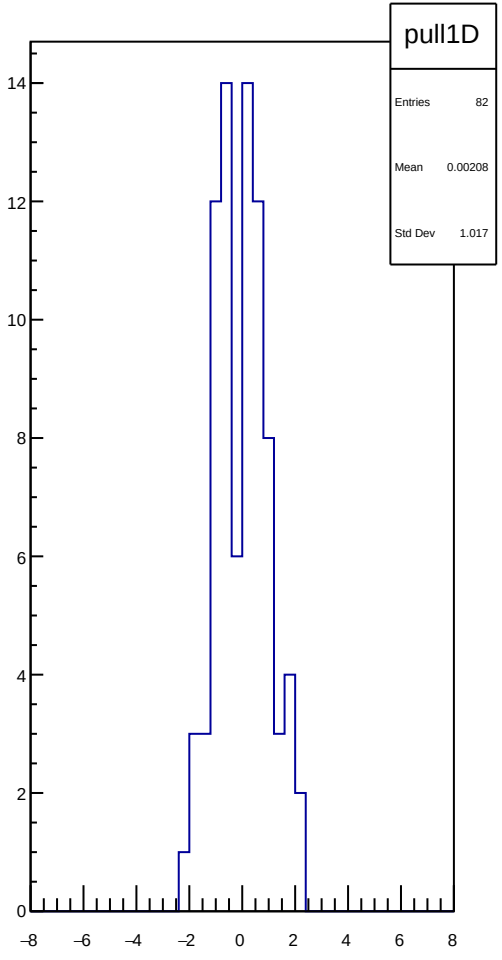

asym_usl_correction_rms vs run
χ² / ndf 5229 / 81
p0 1420 ± 1.135
1700
1600
1500
1400
1300

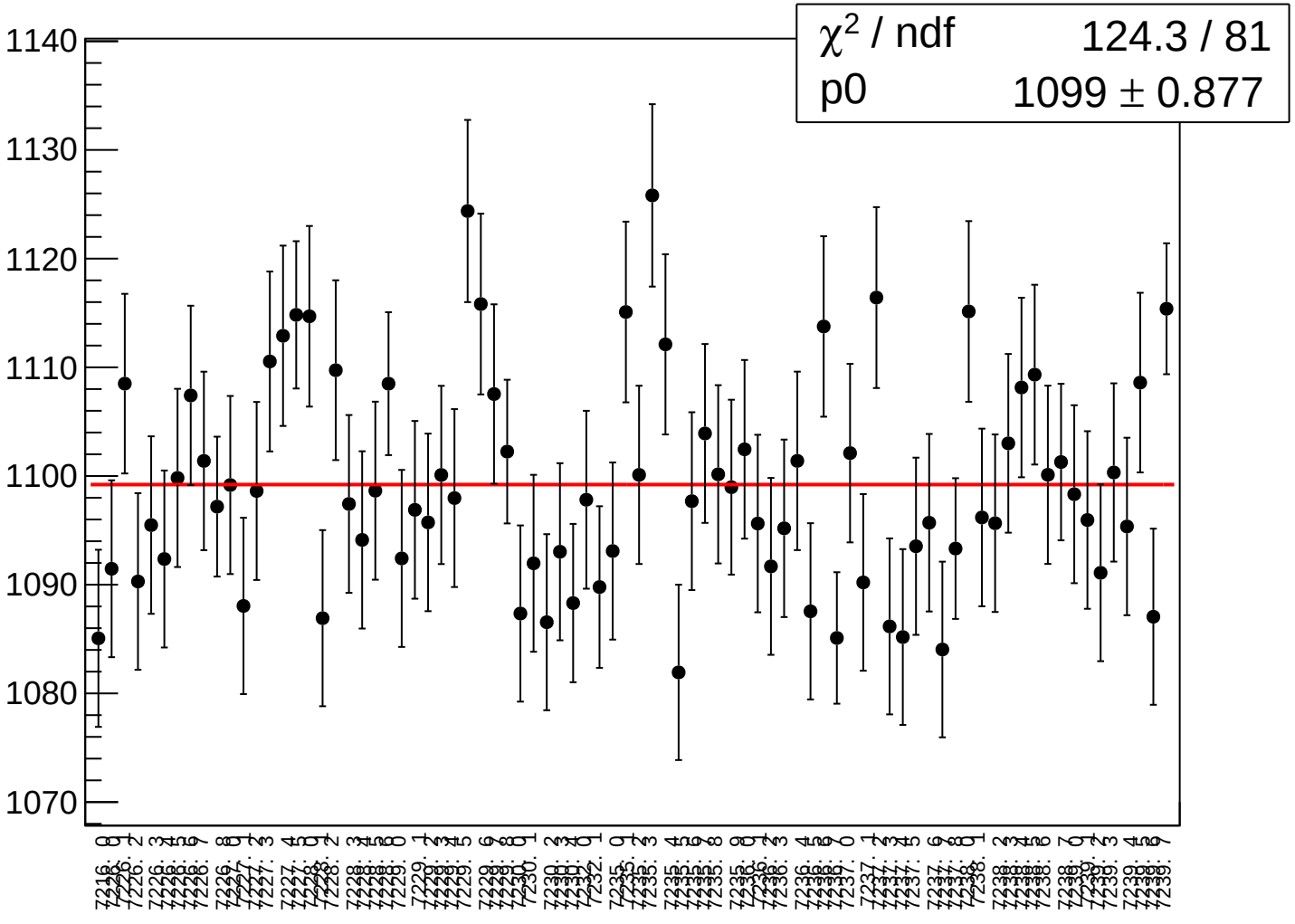

asym_usl_mean vs run
χ² / ndf 109.5 / 81
p0 −4112 ± 2022
pull
Entries 82
Mean −139.4
Std Dev 146.2

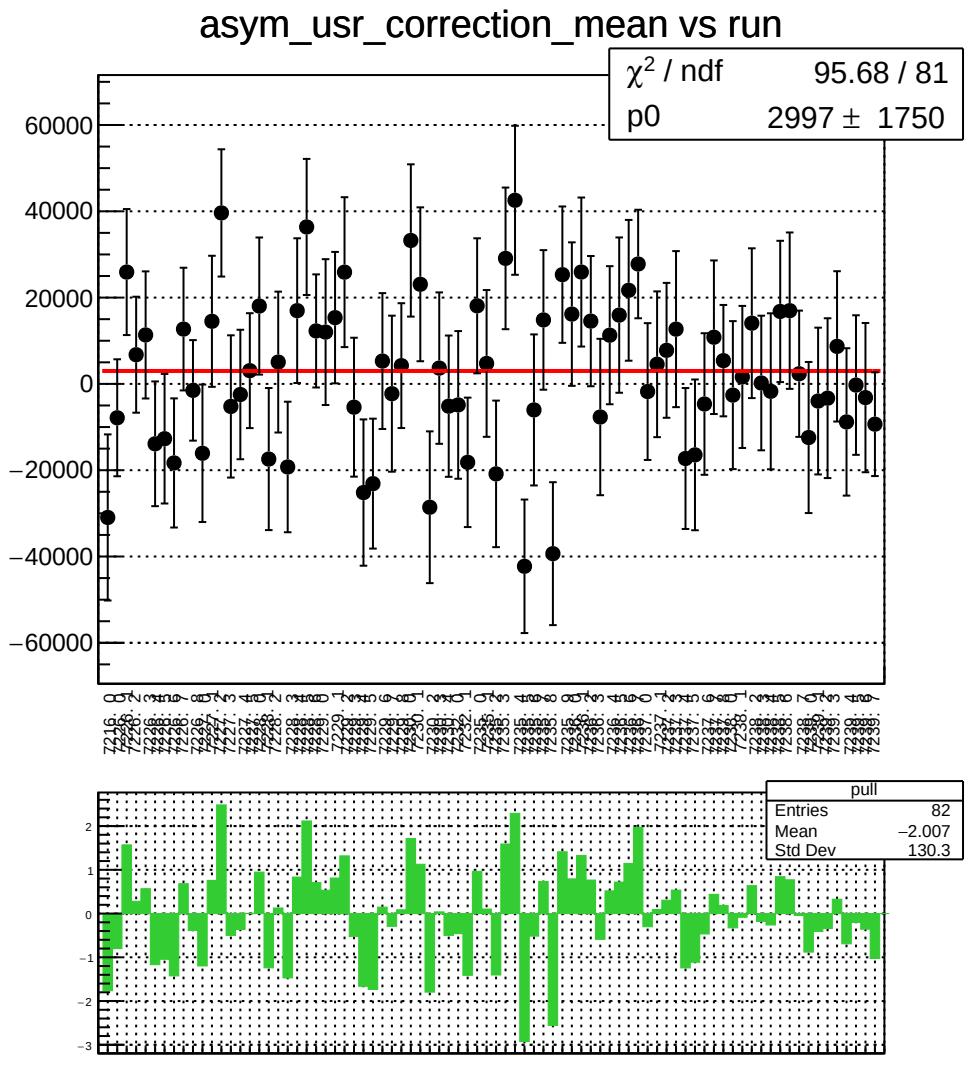

pull1D
Entries 82
Mean 0.00759
Std Dev 1.156

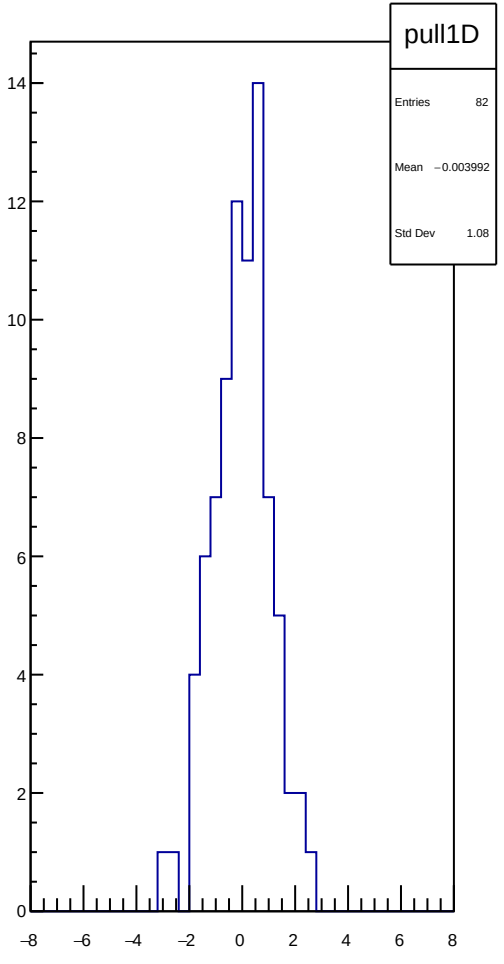

asym_usl_rms vs run
χ² / ndf 2339 / 81
p0 1791 ± 1.43
2000
1950
1900
1850
1800
1750
1700
1650

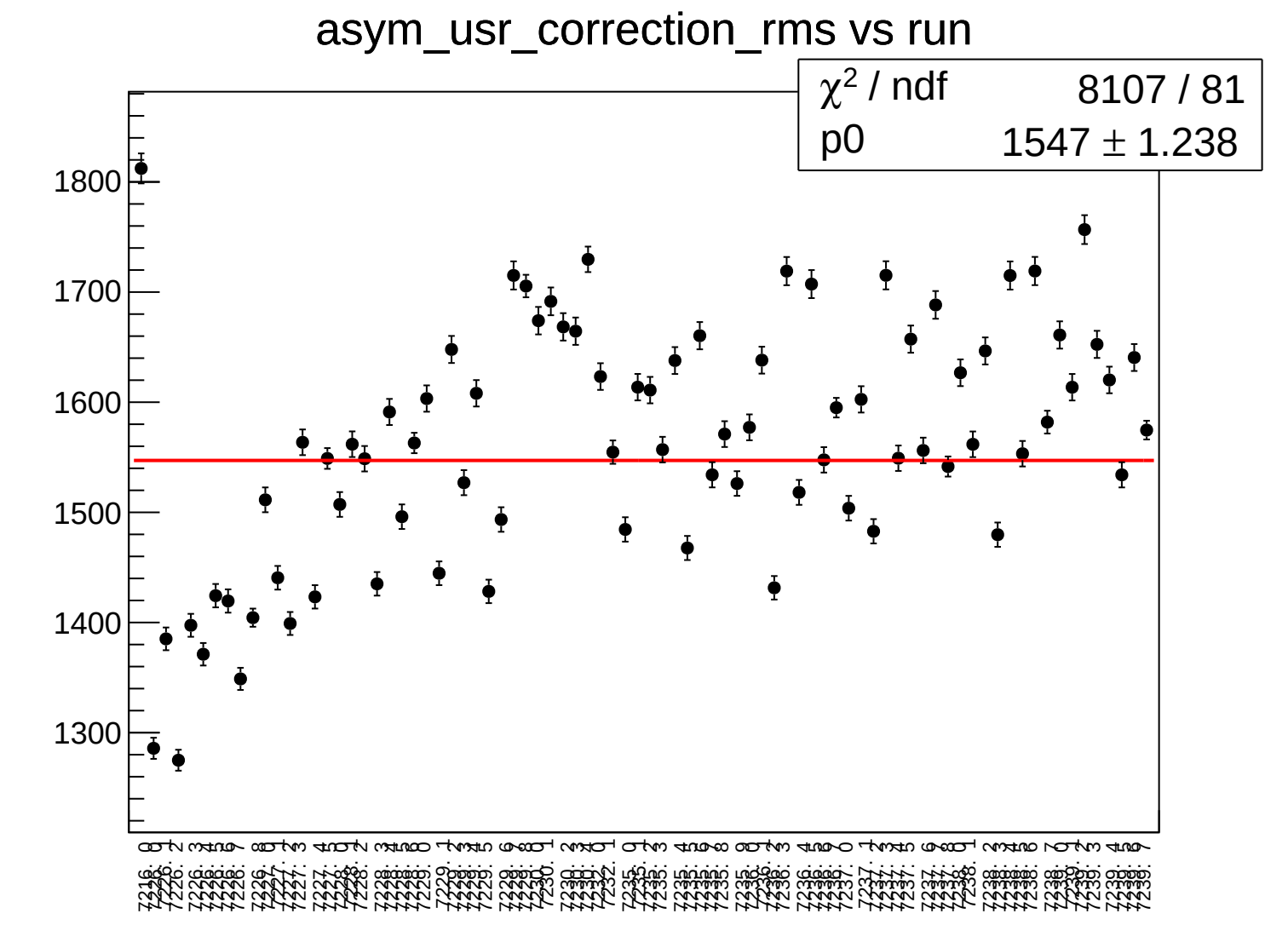

dit_asym_usr_mean vs run
χ² / ndf 84.79 / 81
p0 −3957 ± 1240
pull
Entries 82
Mean −703.2
Std Dev 745.5

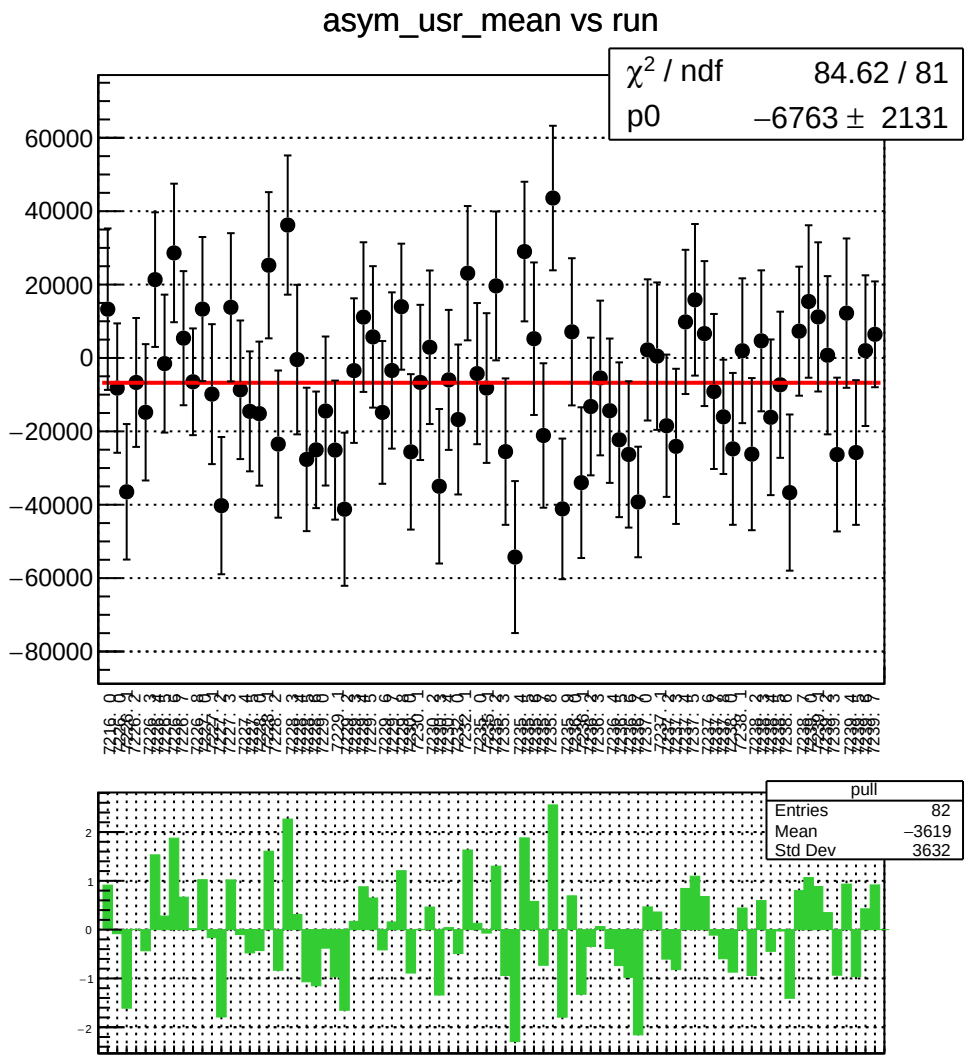

pull1D
Entries 82
Mean 0.00208
Std Dev 1.017

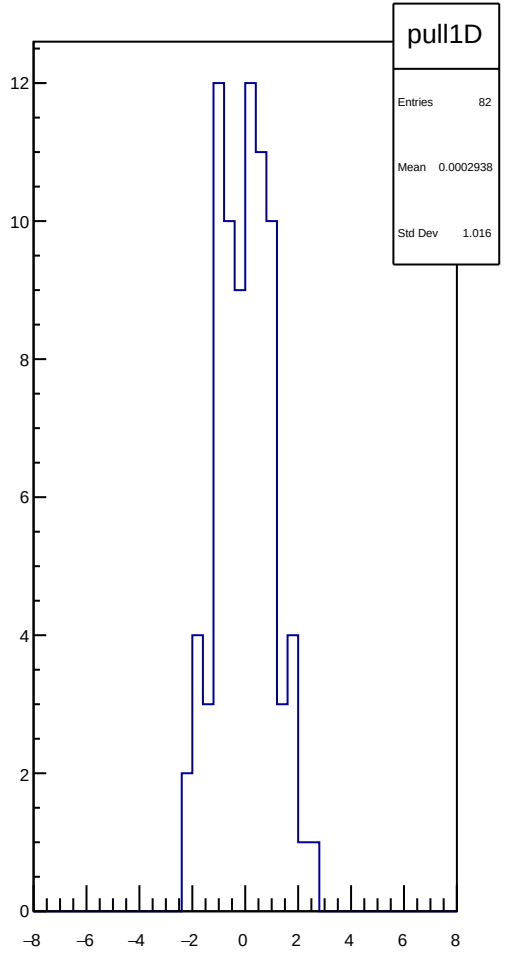

dit_asym_usr_rms vs run
χ² / ndf 124.3 / 81
p0 1099 ± 0.877
1140
1130
1120
1110
1100
1090
1080
1070

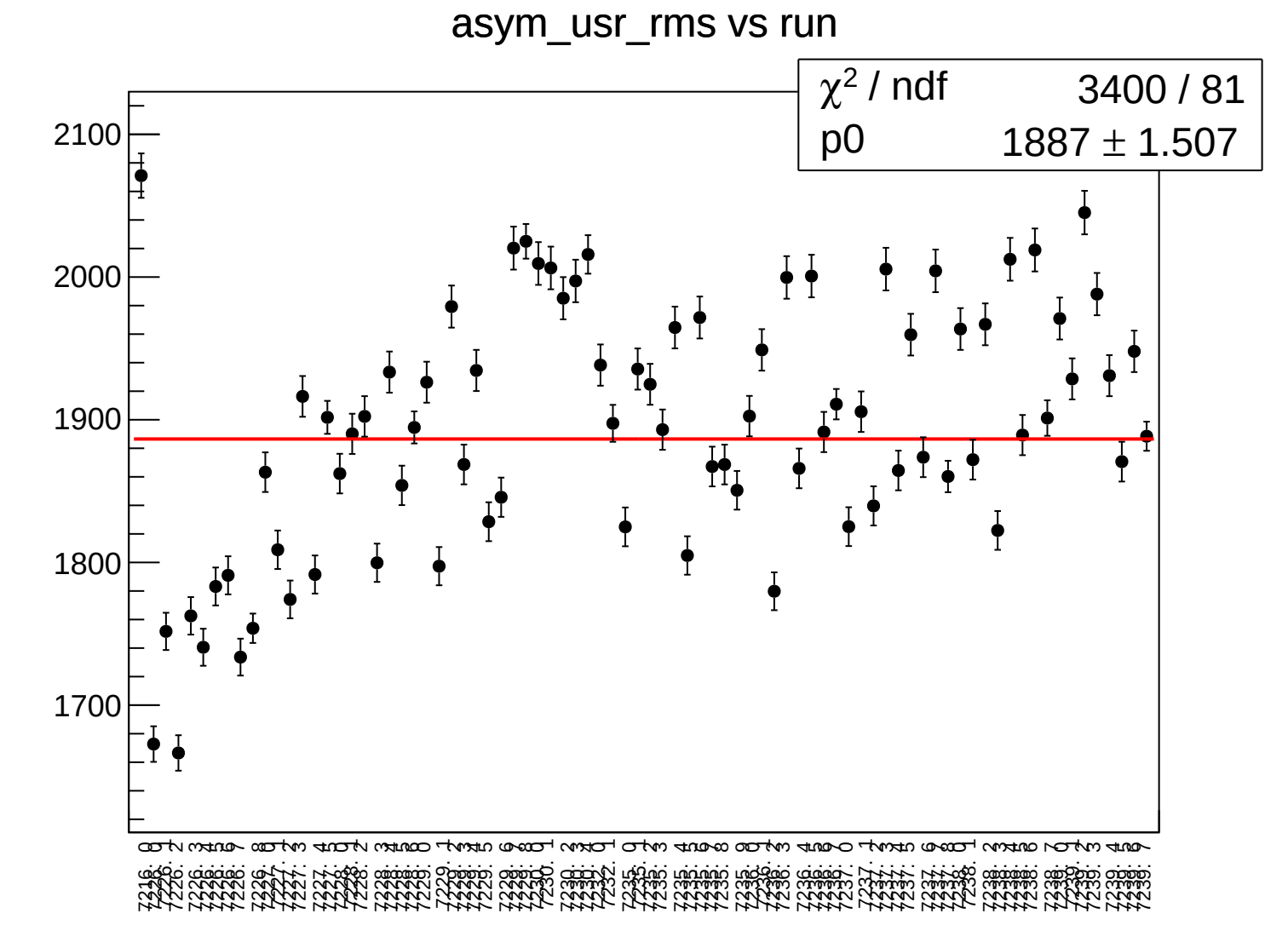

asym_usr_correction_mean vs run
χ² / ndf 95.68 / 81
p0 2997 ± 1750
pull
Entries 82
Mean −2.007
Std Dev 130.3

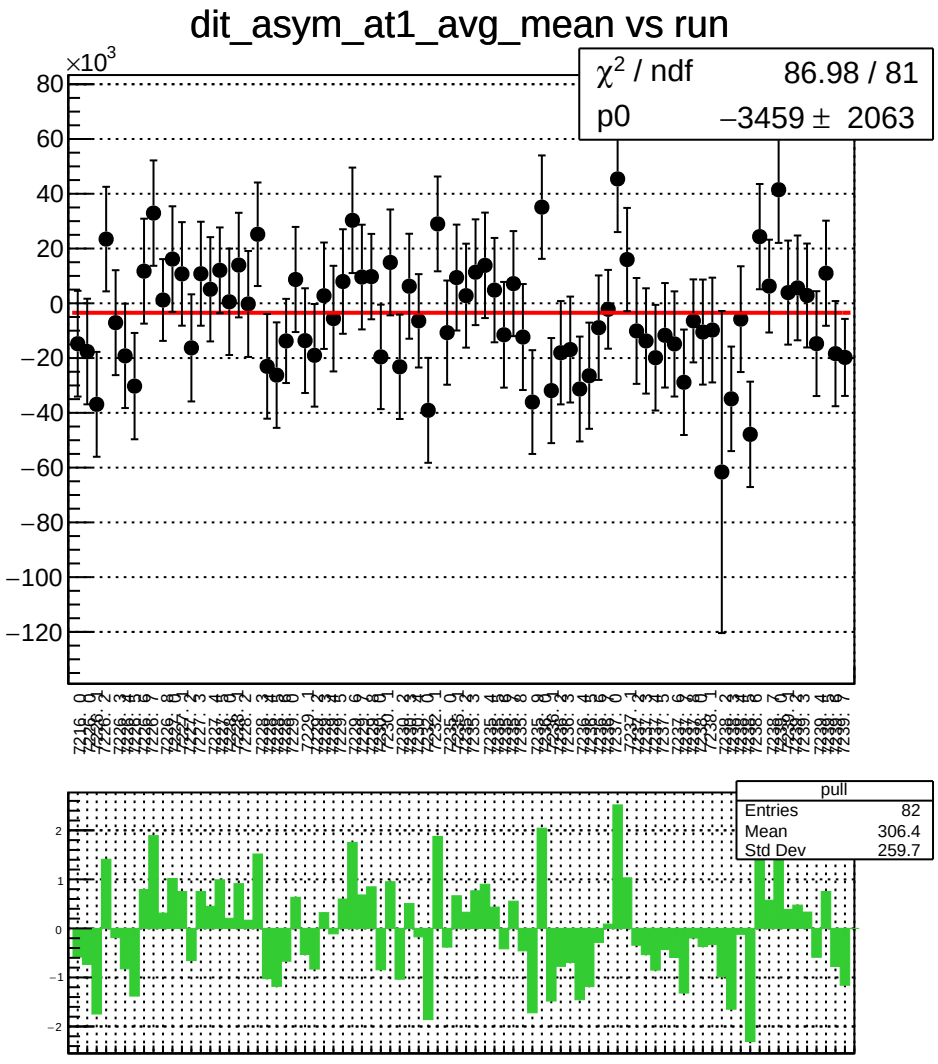

pull1D
Entries 82
Mean −0.003992
Std Dev 1.08

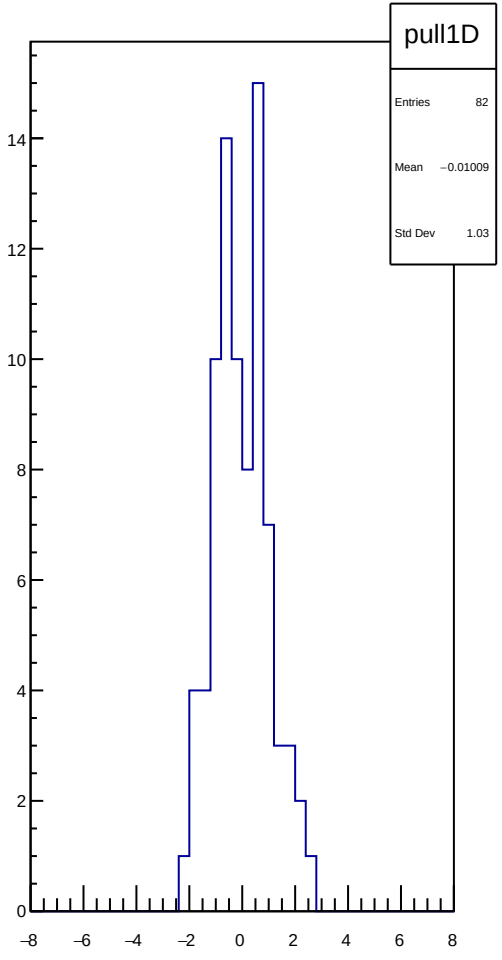

asym_usr_correction_rms vs run
χ² / ndf 8107 / 81
p0 1547 ± 1.238
1800
1700
1600
1500
1400
1300

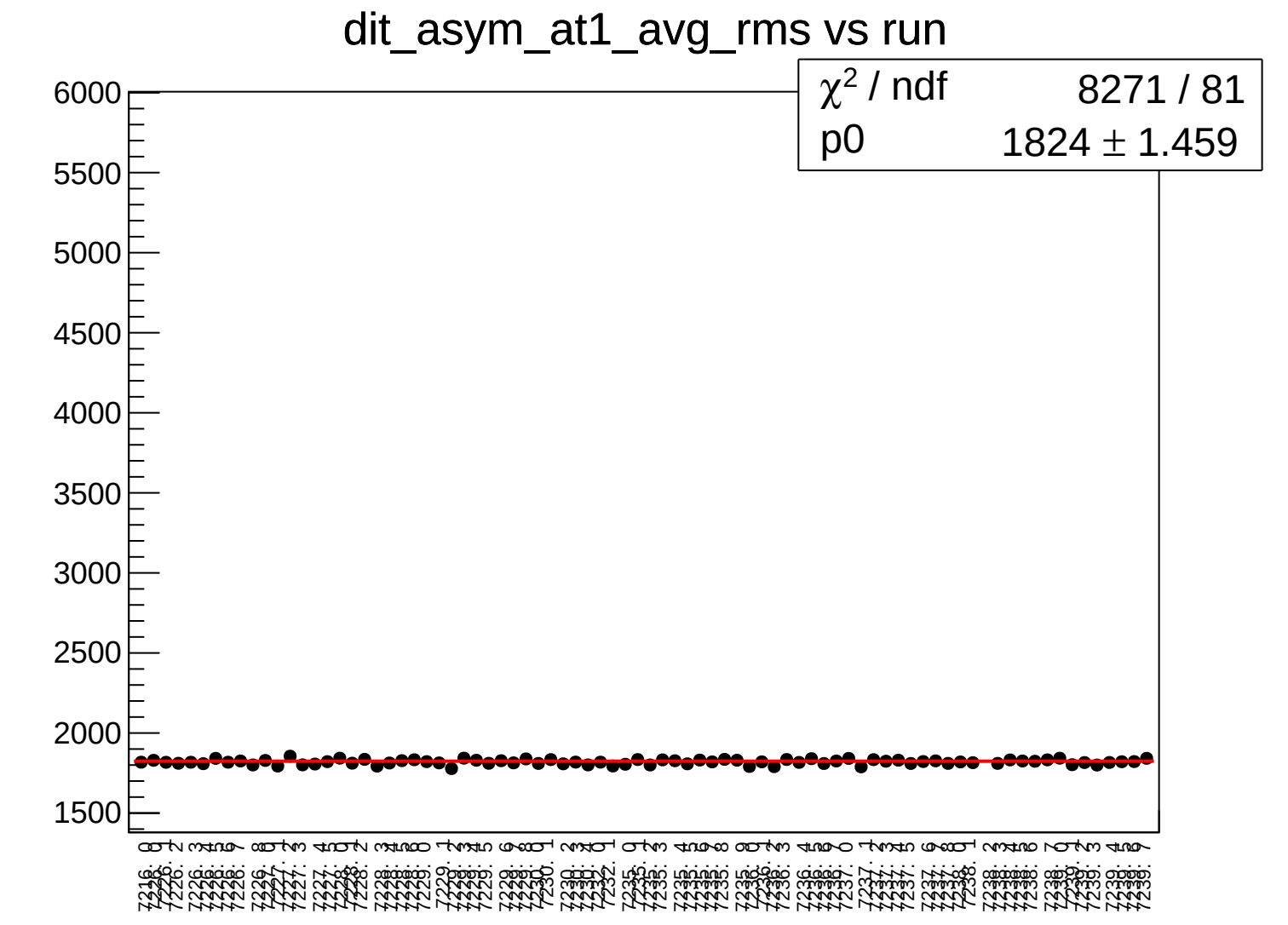

asym_usr_mean vs run
χ² / ndf 84.62 / 81
p0 −6763 ± 2131
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −3619
Std Dev 3632
2
1
0
−1
−2

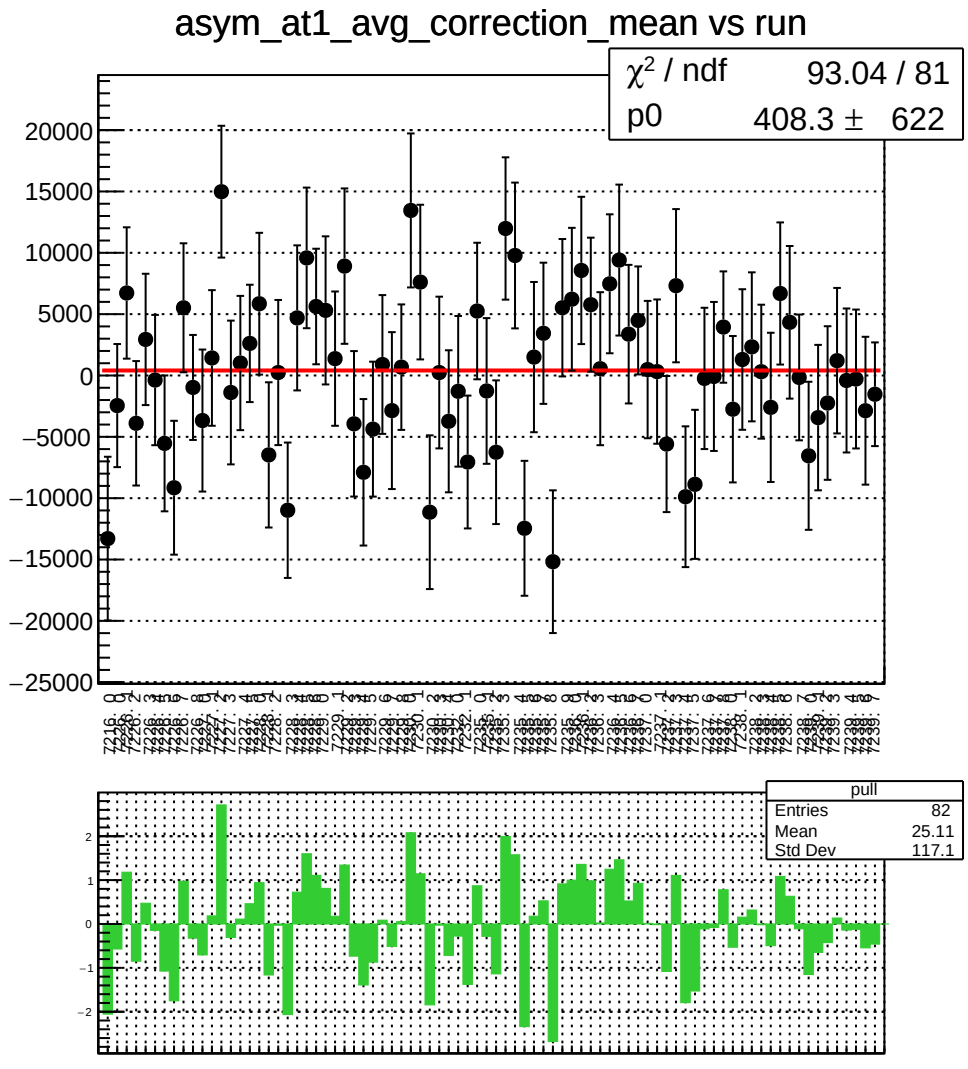

pull1D
Entries 82
Mean 0.0002938
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

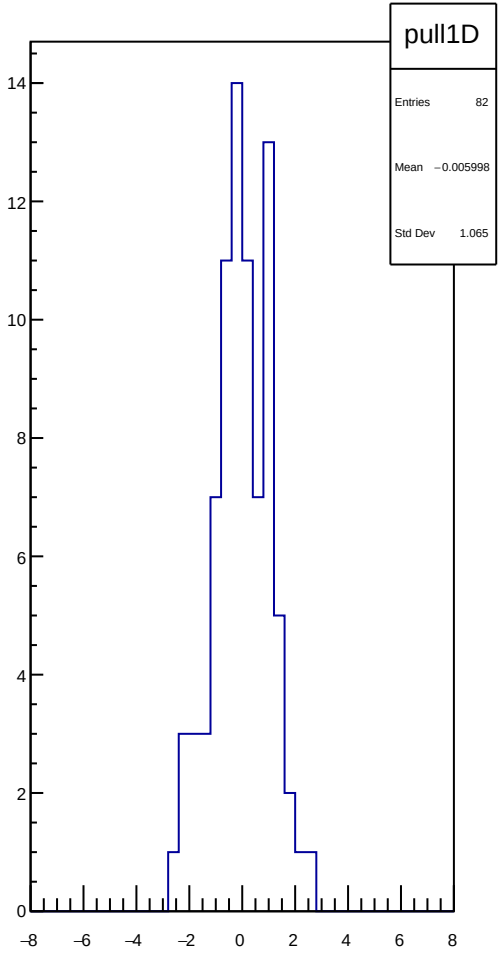

asym_usr_rms vs run
χ² / ndf 3400 / 81
p0 1887 ± 1.507
2100
2000
1900
1800
1700

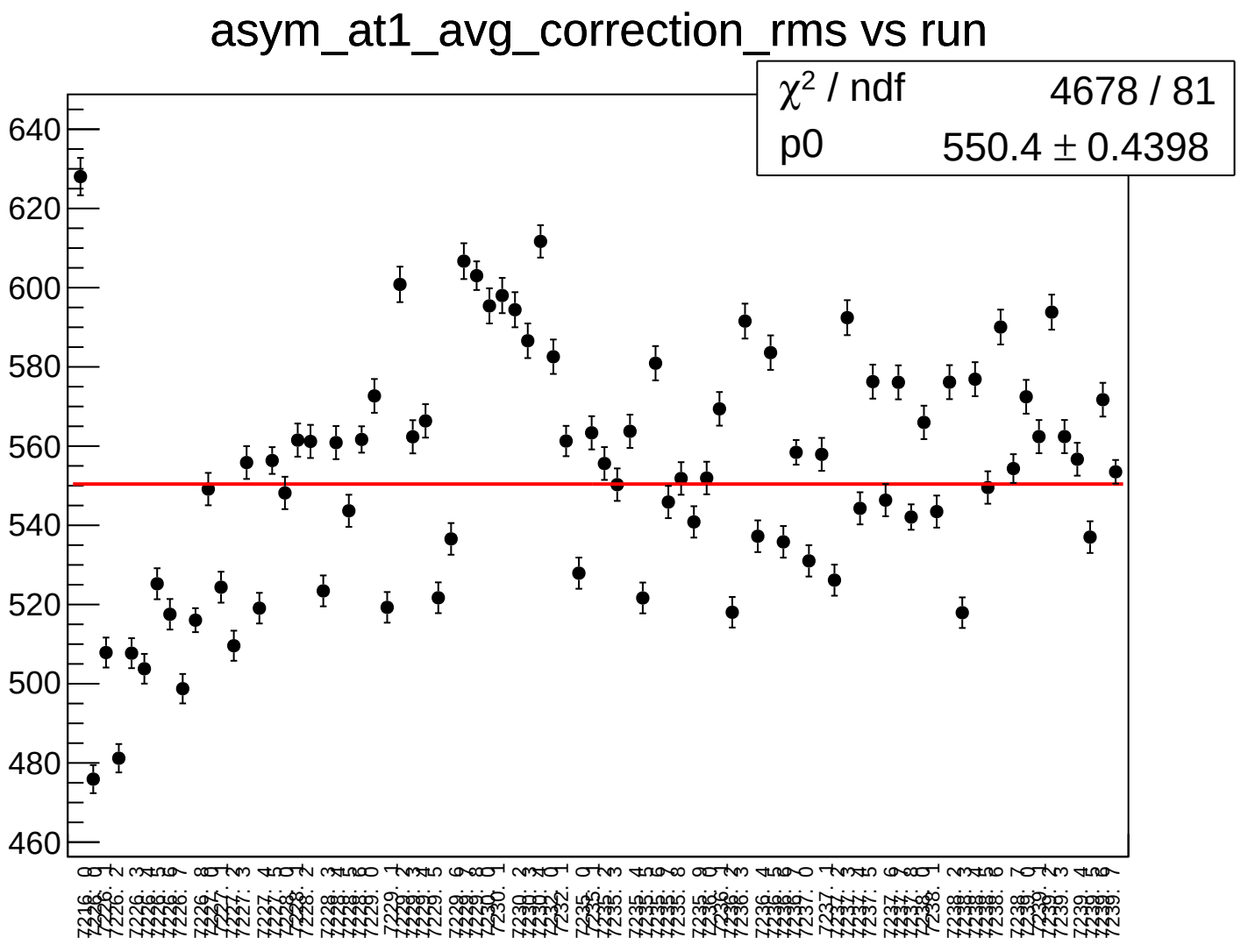

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 86.98 / 81
p0 −3459 ± 2063
pull
Entries 82
Mean 306.4
Std Dev 259.7

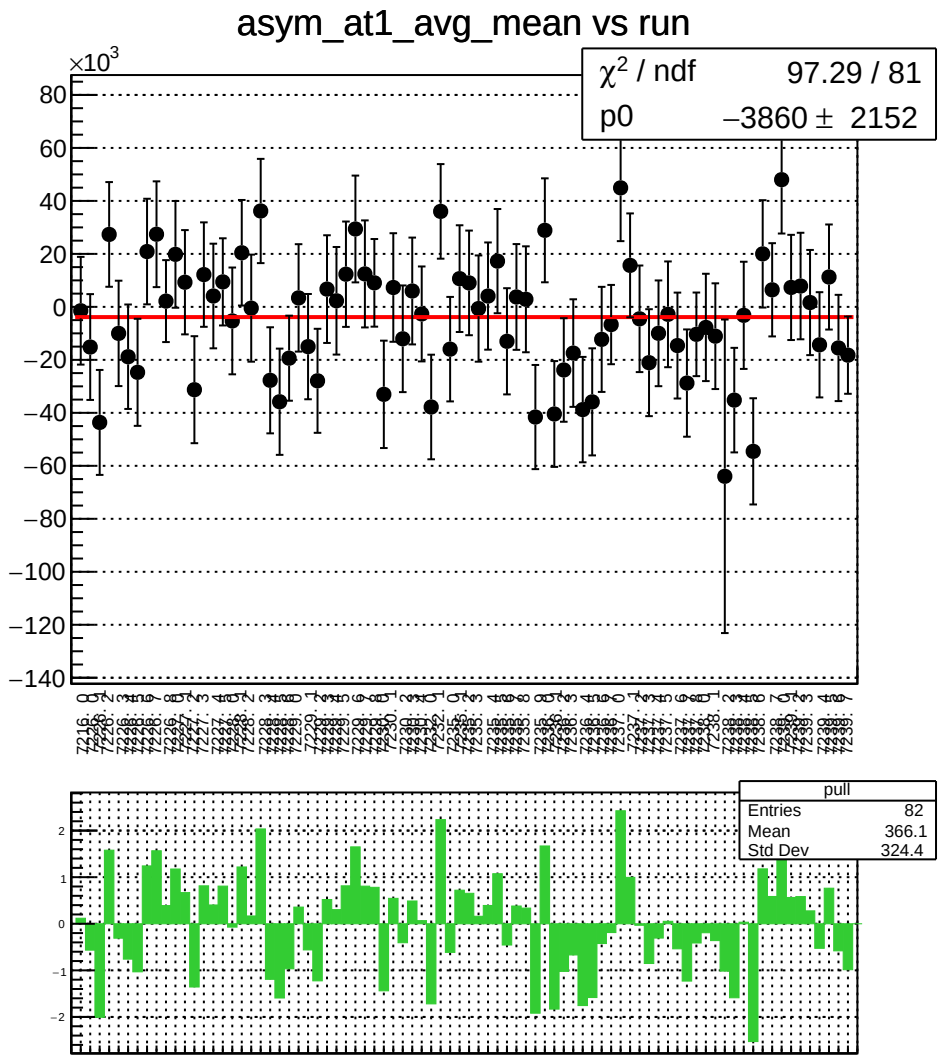

pull1D
Entries 82
Mean −0.01009
Std Dev 1.03

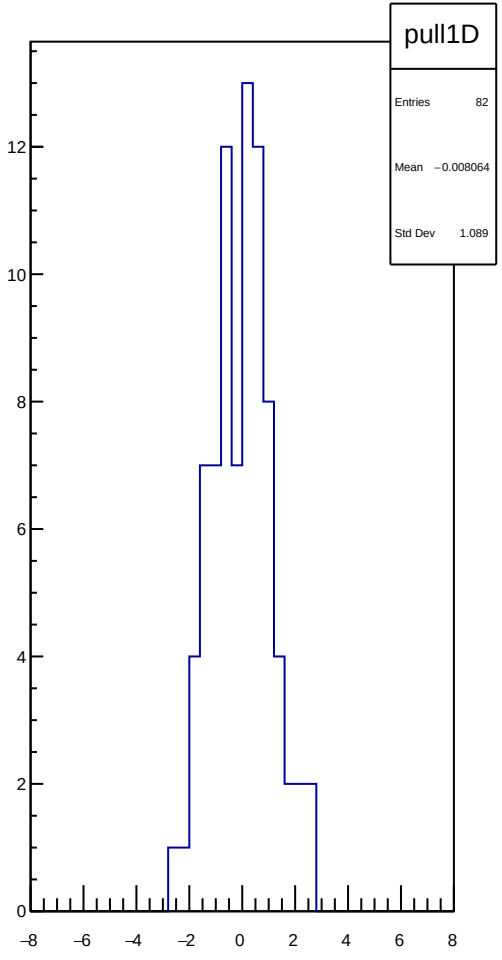

dit_asym_at1_avg_rms vs run
χ^2 / ndf 8271 / 81
p0 1824 ± 1.459
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

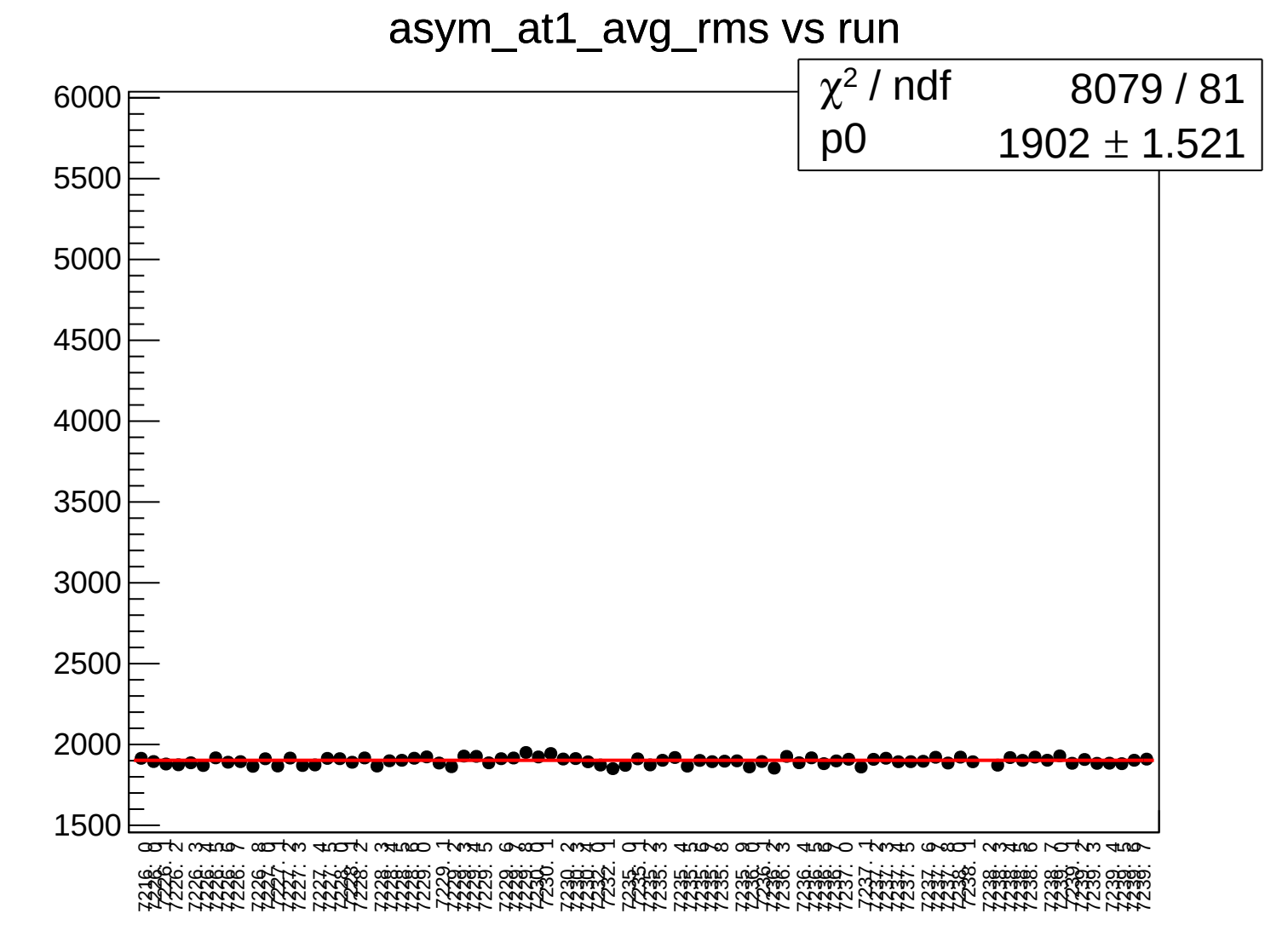

asym_at1_avg_correction_mean vs run
χ² / ndf 93.04 / 81
p0 408.3 ± 622
pull
Entries 82
Mean 25.11
Std Dev 117.1

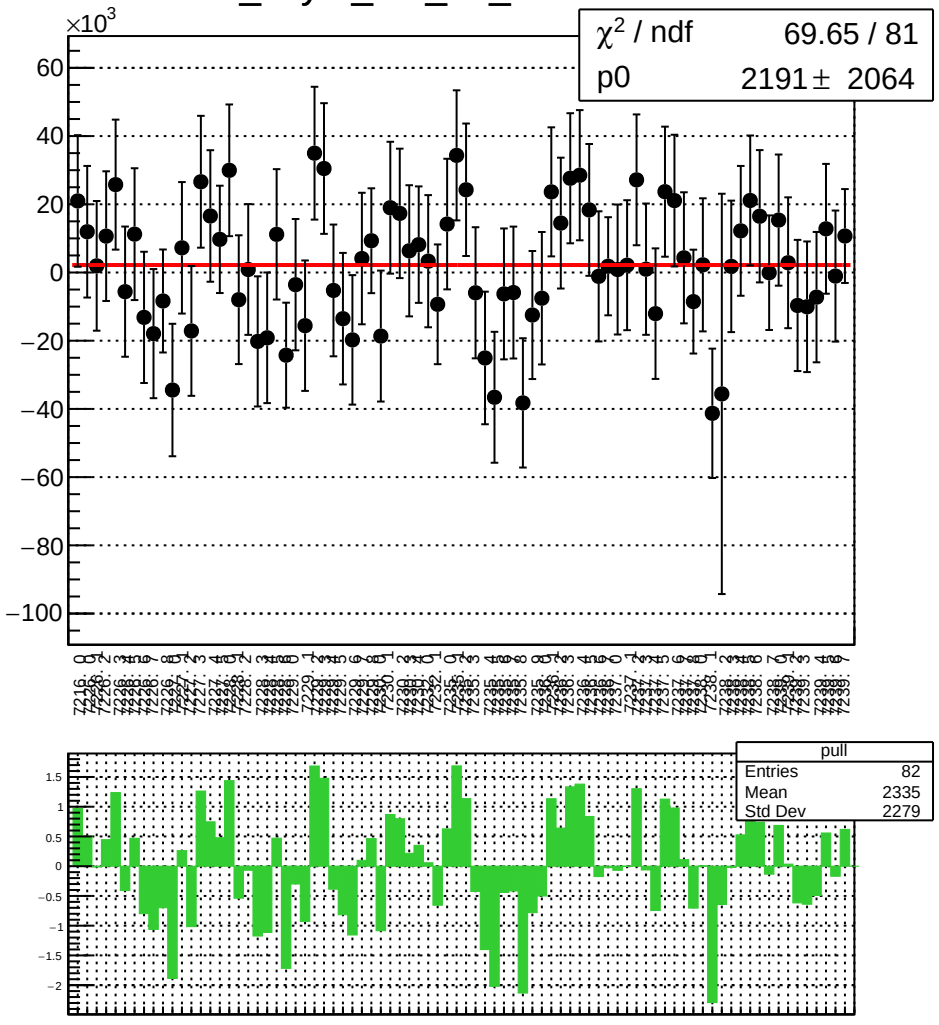

pull1D
Entries 82
Mean −0.005998
Std Dev 1.065

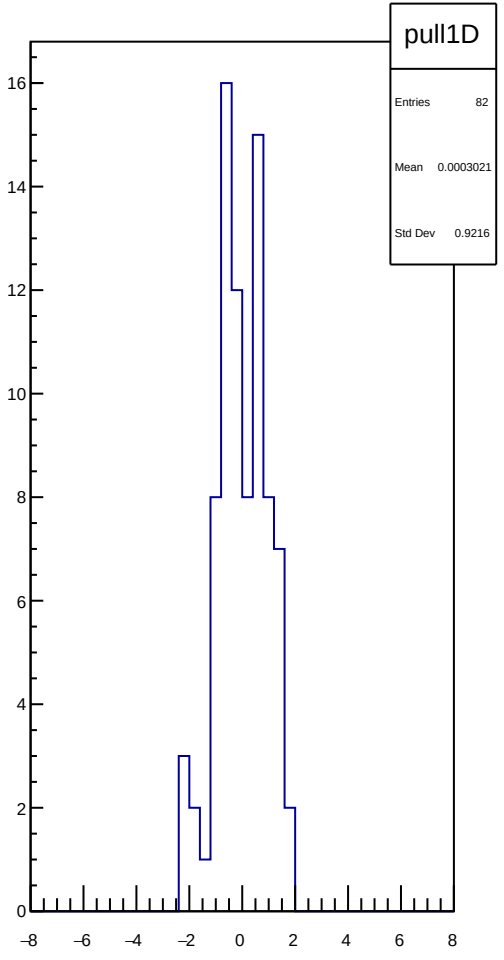

asym_at1_avg_correction_rms vs run
χ² / ndf 4678 / 81
p0 550.4 ± 0.4398
640
620
600
580
560
540
520
500
480
460

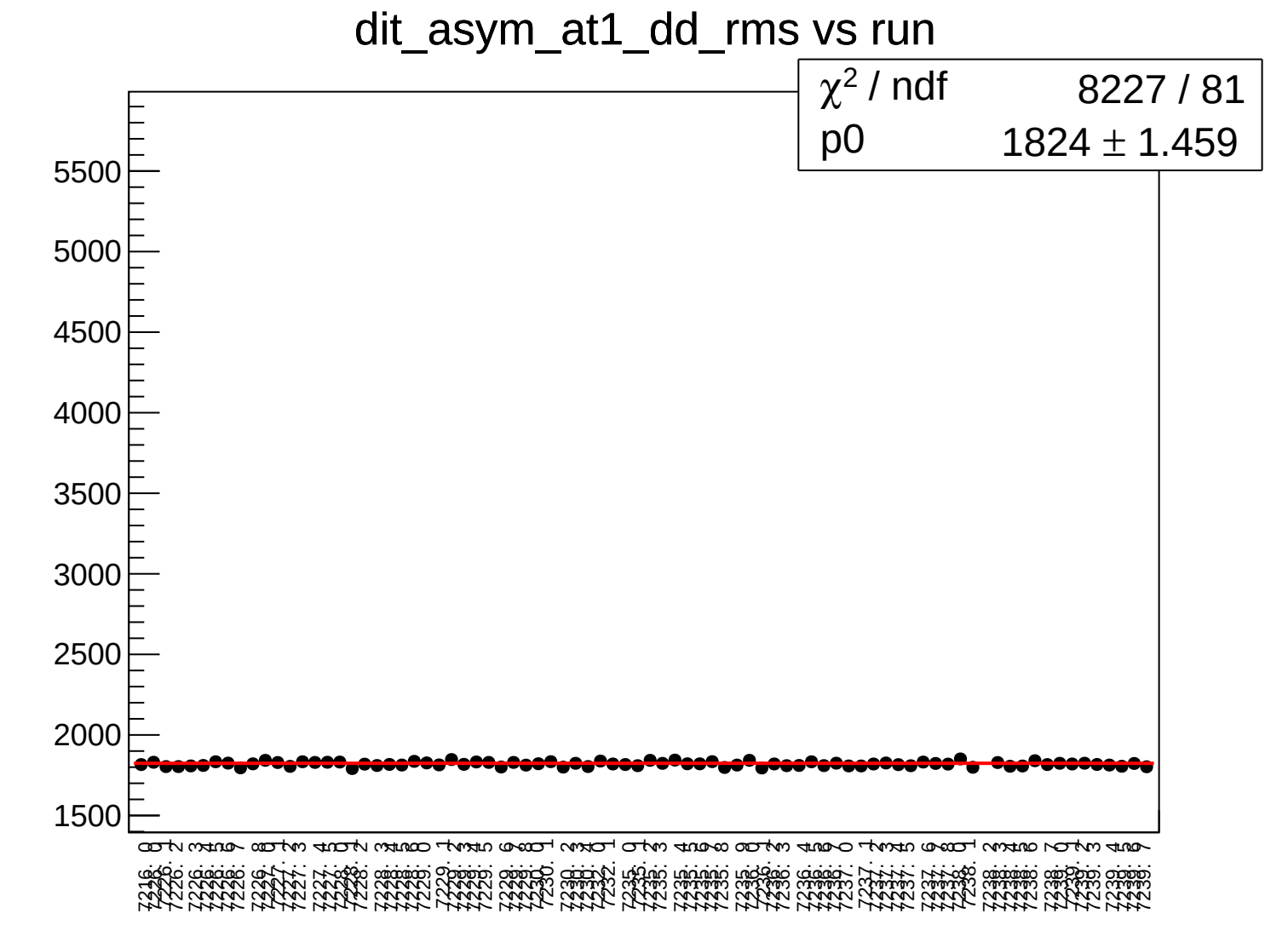

asym_at1_avg_mean vs run
×10^3
χ² / ndf 97.29 / 81
p0 −3860 ± 2152
pull
Entries 82
Mean 366.1
Std Dev 324.4

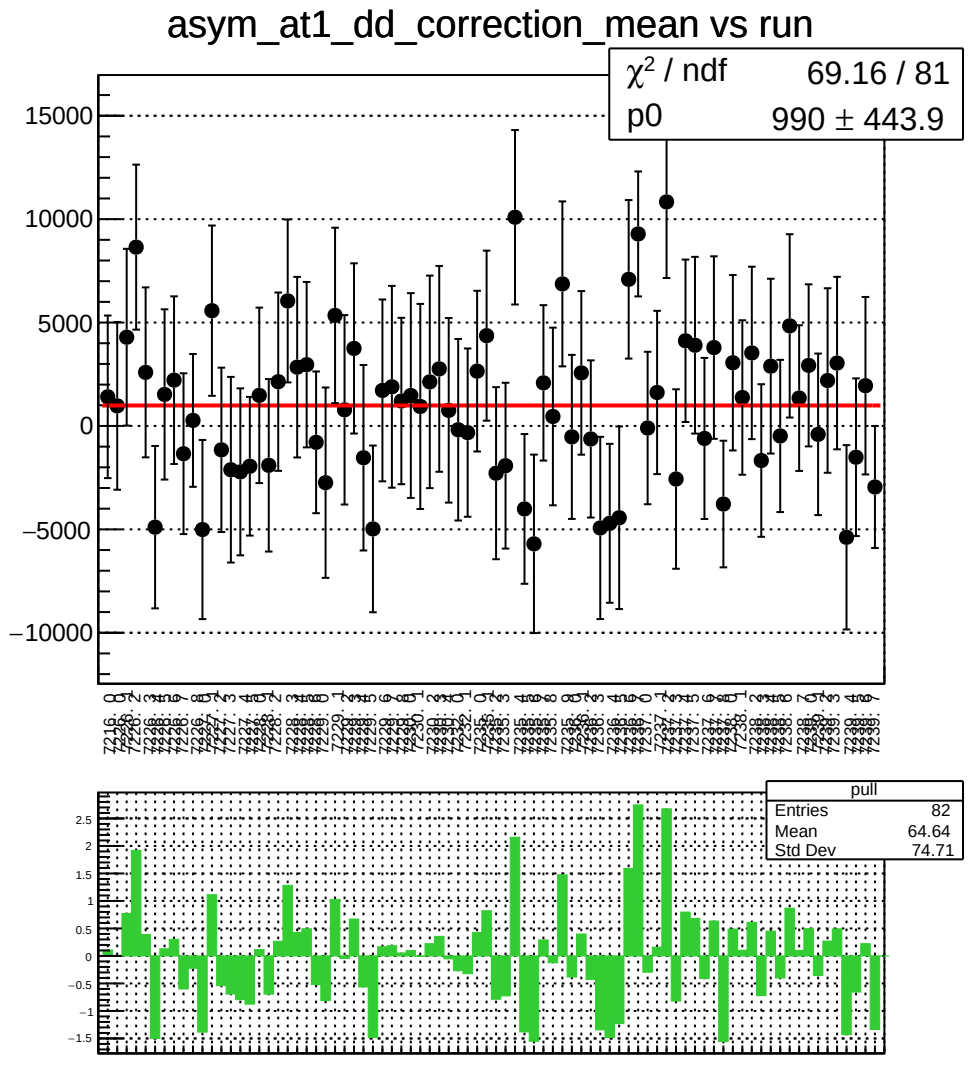

pull1D
Entries 82
Mean −0.008064
Std Dev 1.089

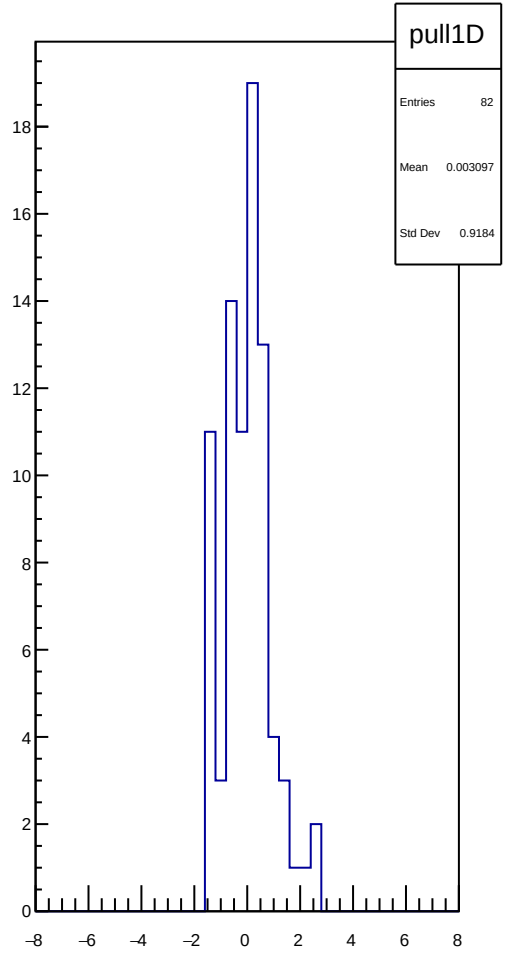

asym_at1_avg_rms vs run
χ^2 / ndf 8079 / 81
p0 1902 ± 1.521
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

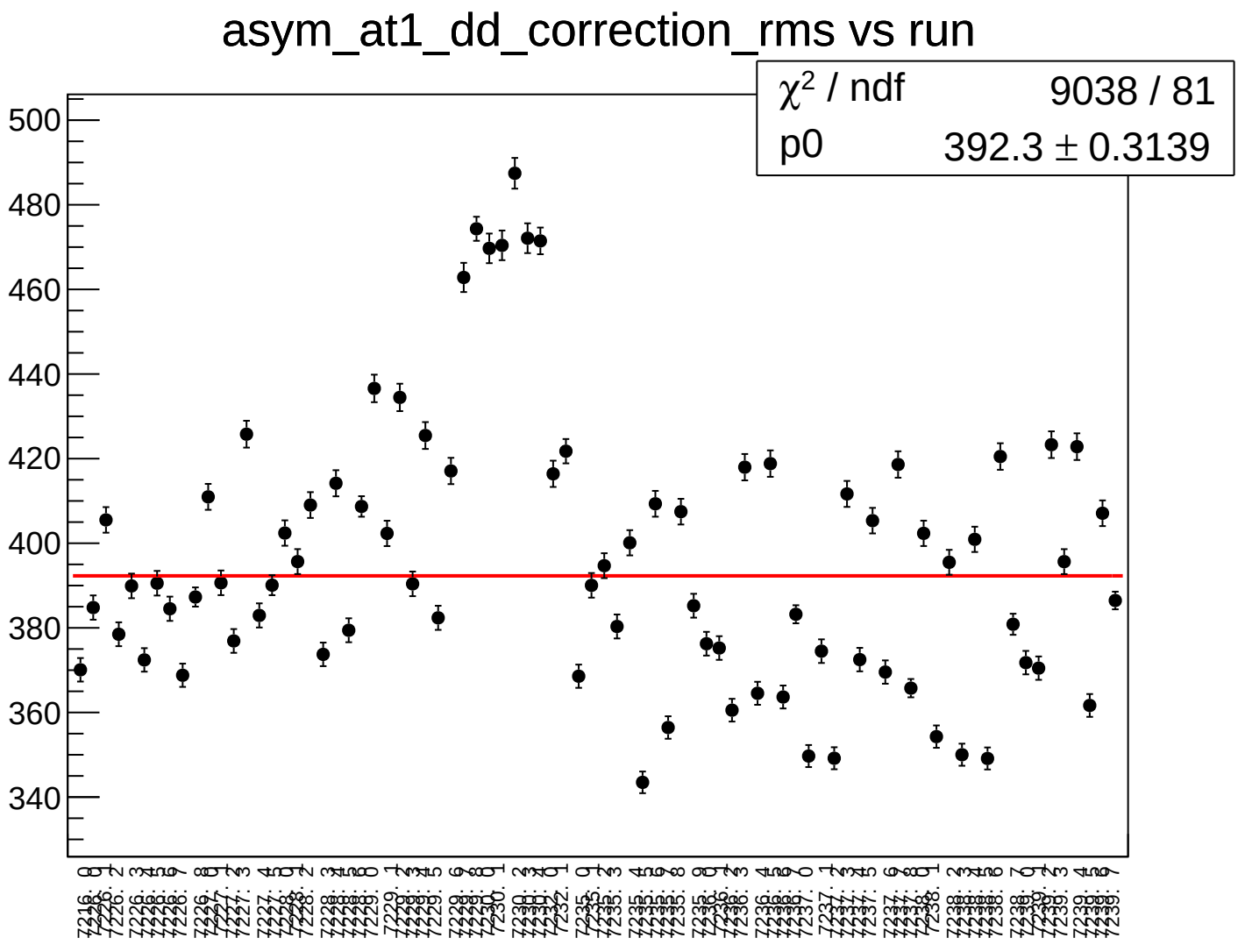

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 69.65 / 81
p0 2191 ± 2064
pull
Entries 82
Mean 2335
Std Dev 2279

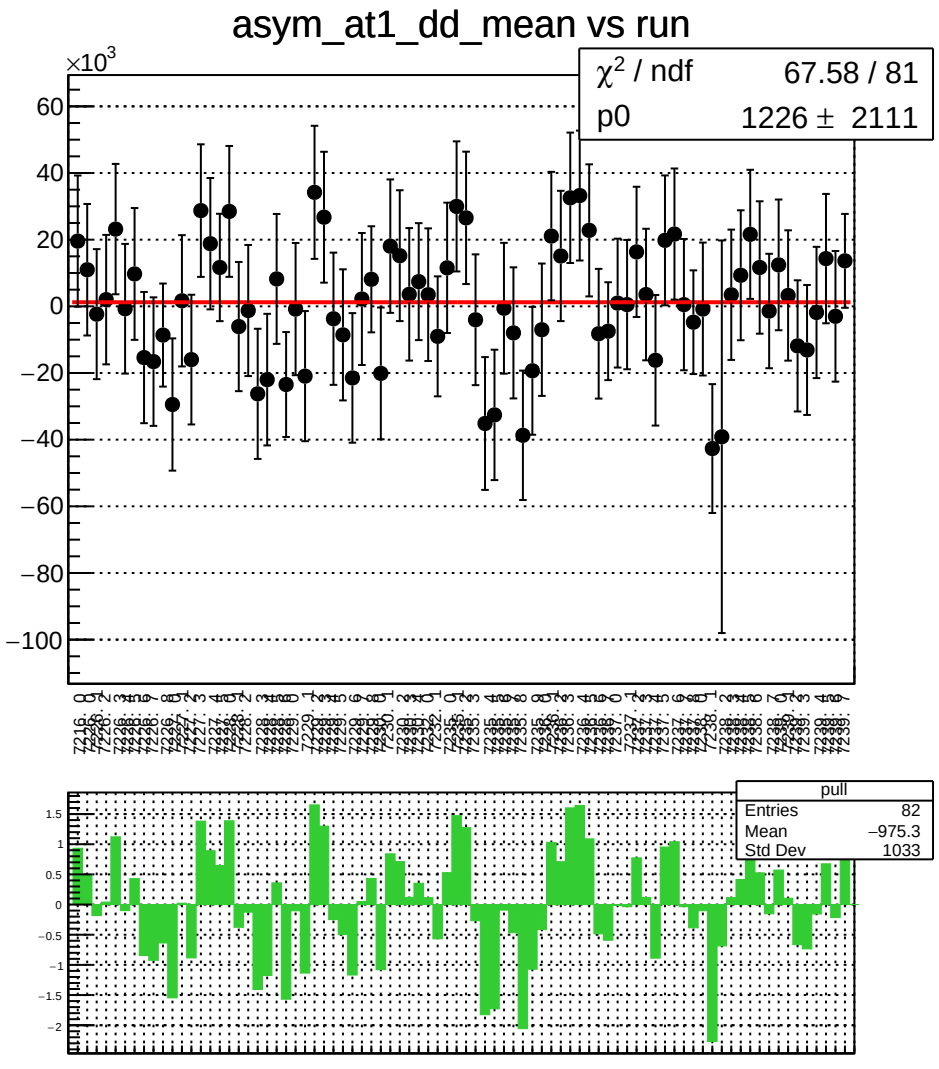

pull1D
Entries 82
Mean 0.0003021
Std Dev 0.9216

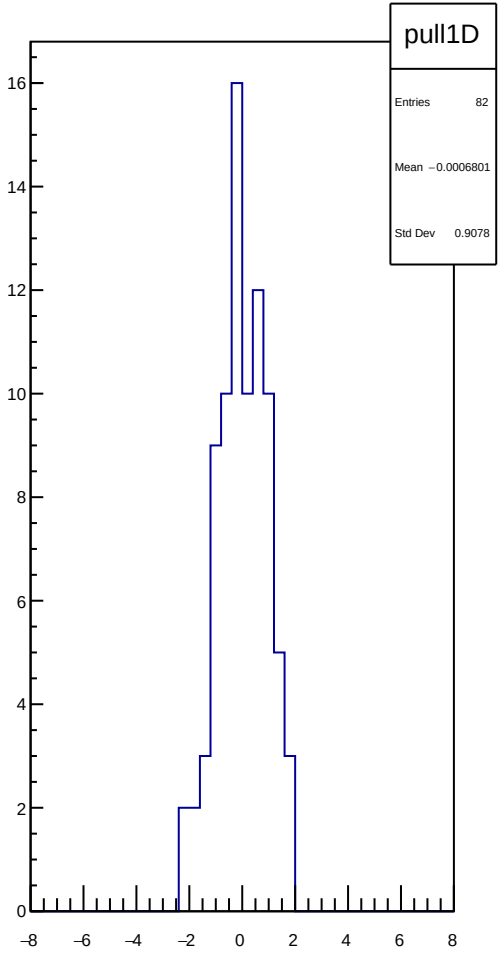

dit_asym_at1_dd_rms vs run
χ^2 / ndf 8227 / 81
p0 1824 ± 1.459
5500
5000
4500
4000
3500
3000
2500
2000
1500

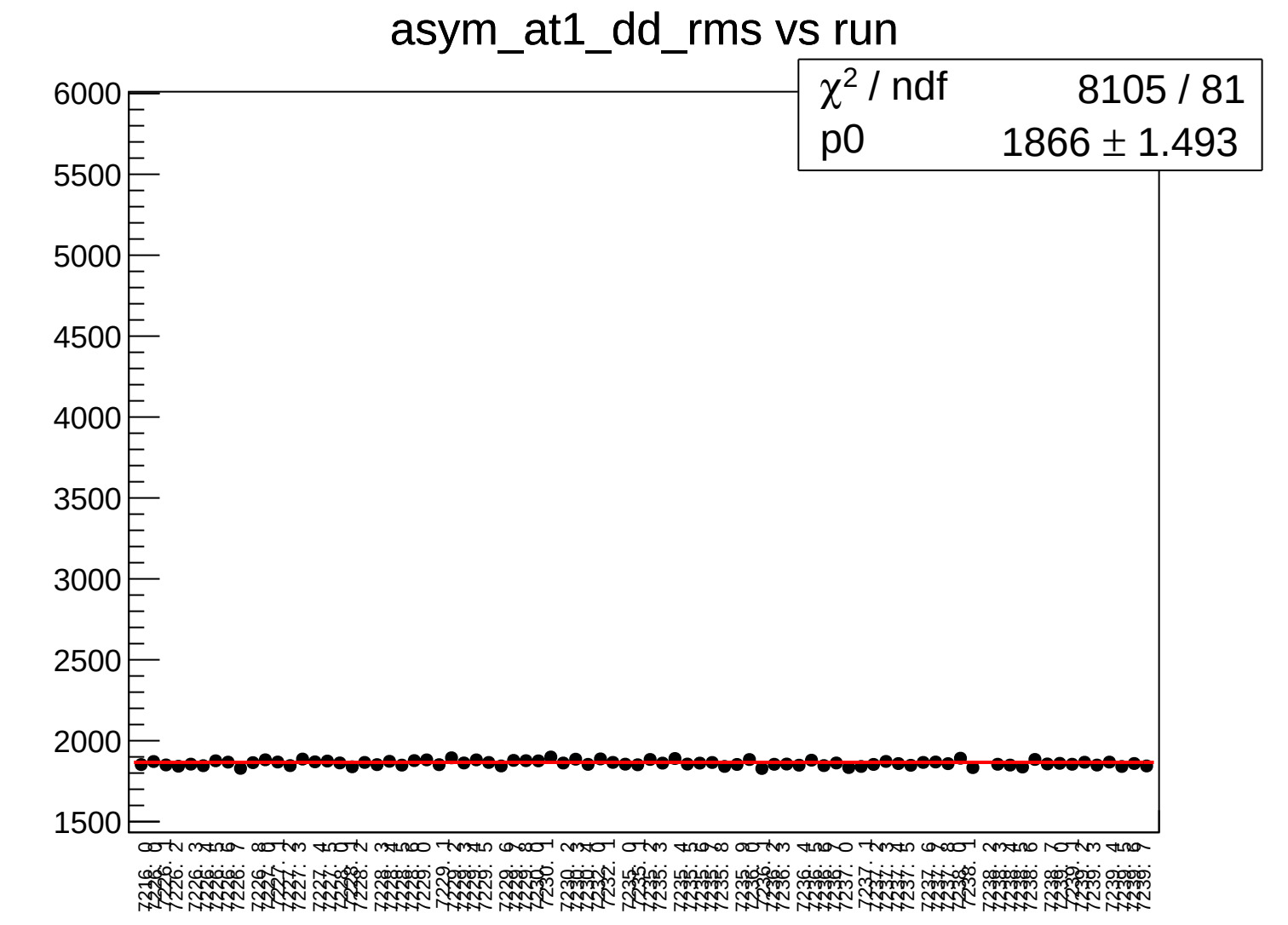

asym_at1_dd_correction_mean vs run
χ² / ndf 69.16 / 81
p0 990 ± 443.9
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 64.64
Std Dev 74.71
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

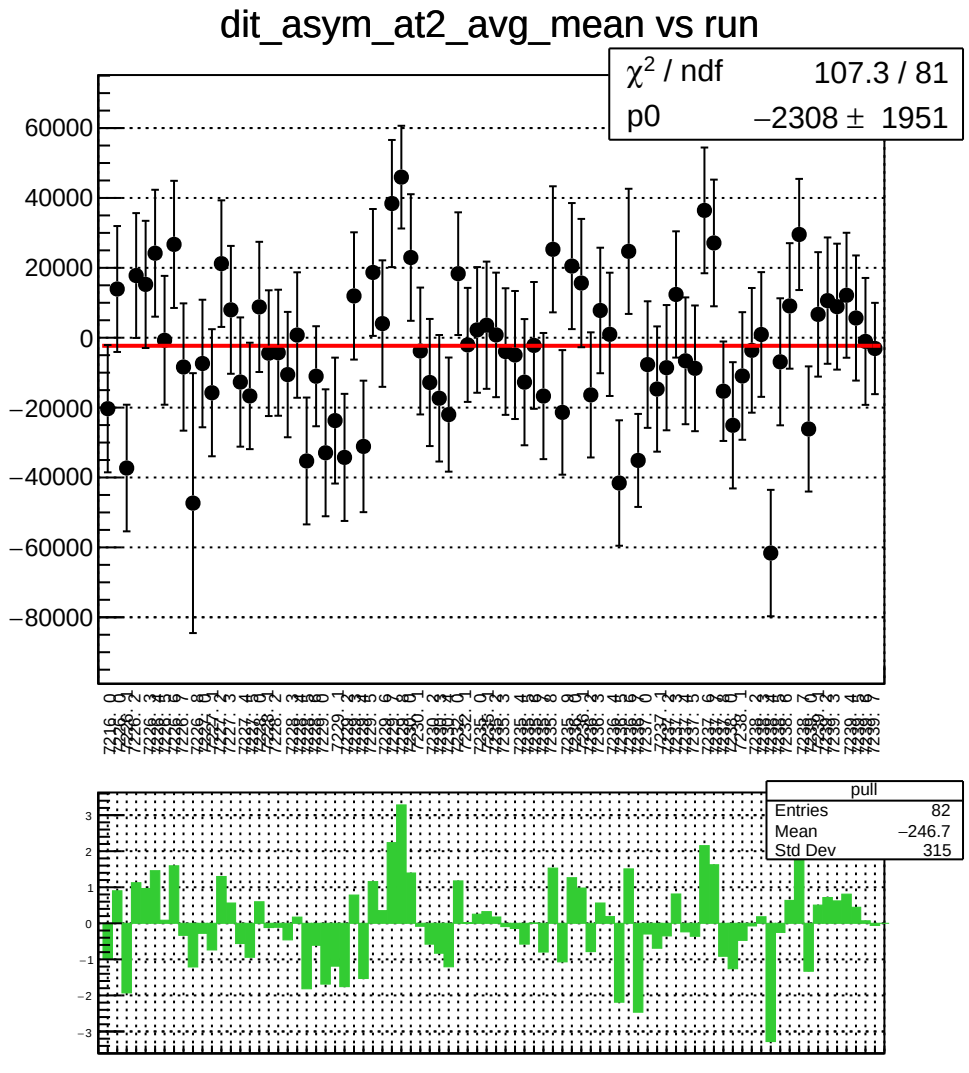

pull1D
Entries 82
Mean 0.003097
Std Dev 0.9184
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

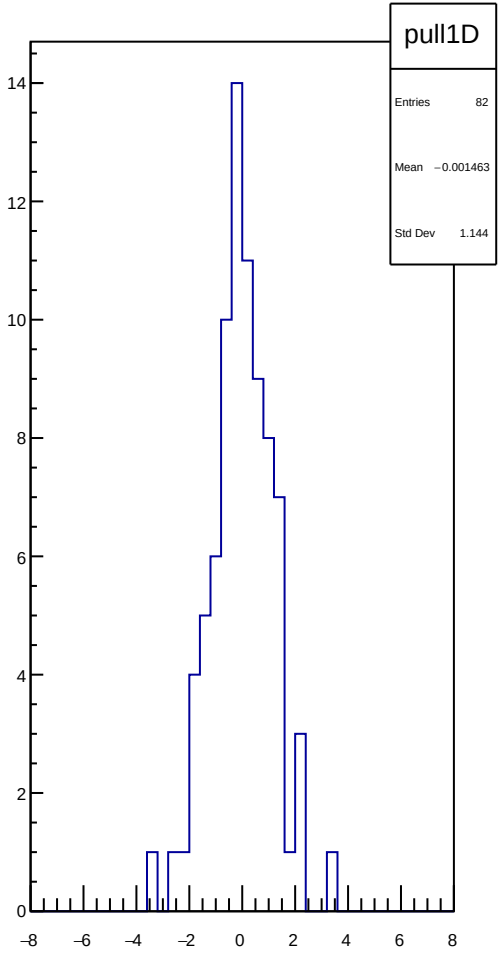

asym_at1_dd_correction_rms vs run
χ² / ndf 9038 / 81
p0 392.3 ± 0.3139
500
480
460
440
420
400
380
360
340

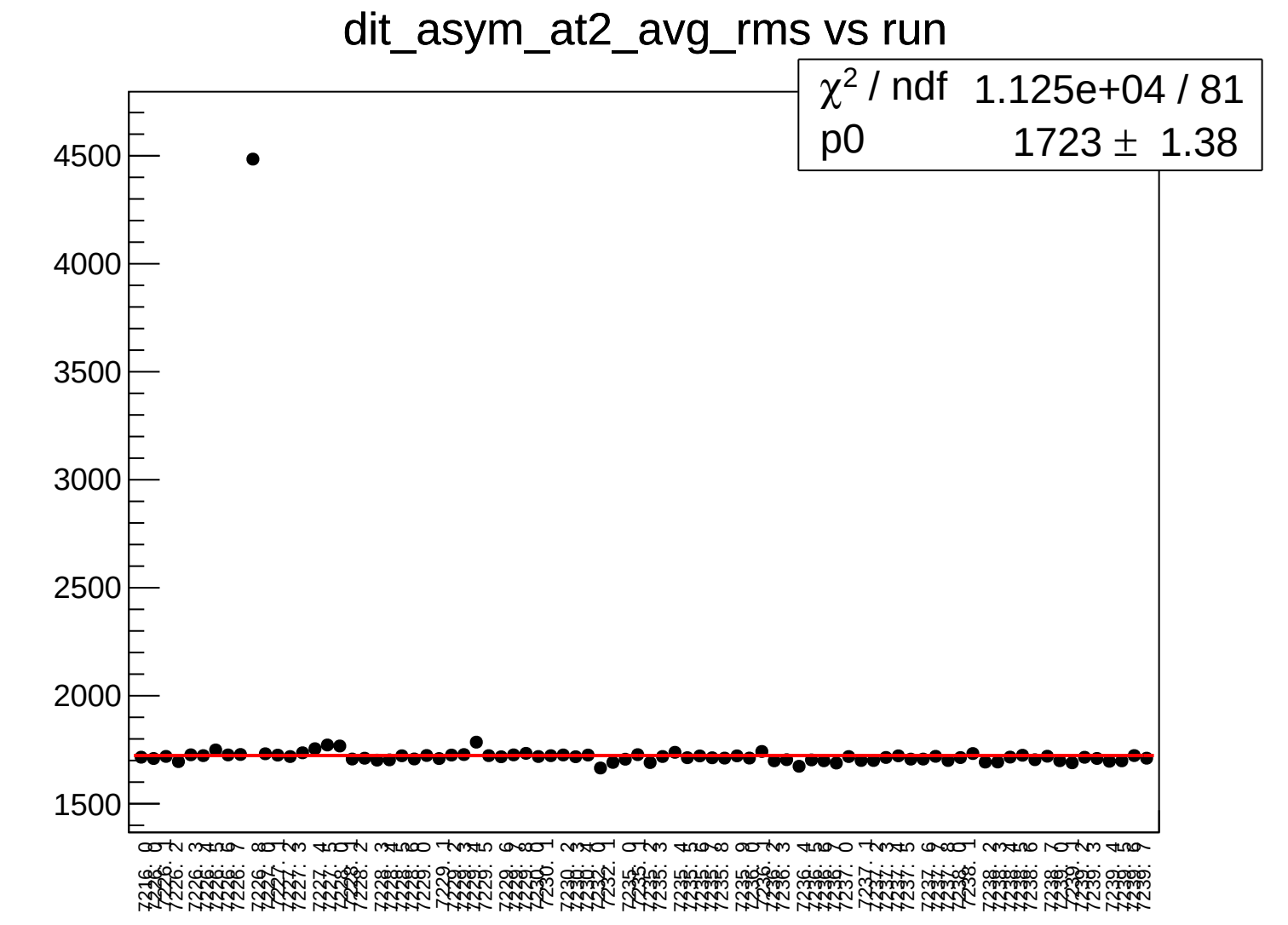

asym_at1_dd_mean vs run
×10^3
χ² / ndf 67.58 / 81
p0 1226 ± 2111
pull
Entries 82
Mean −975.3
Std Dev 1033

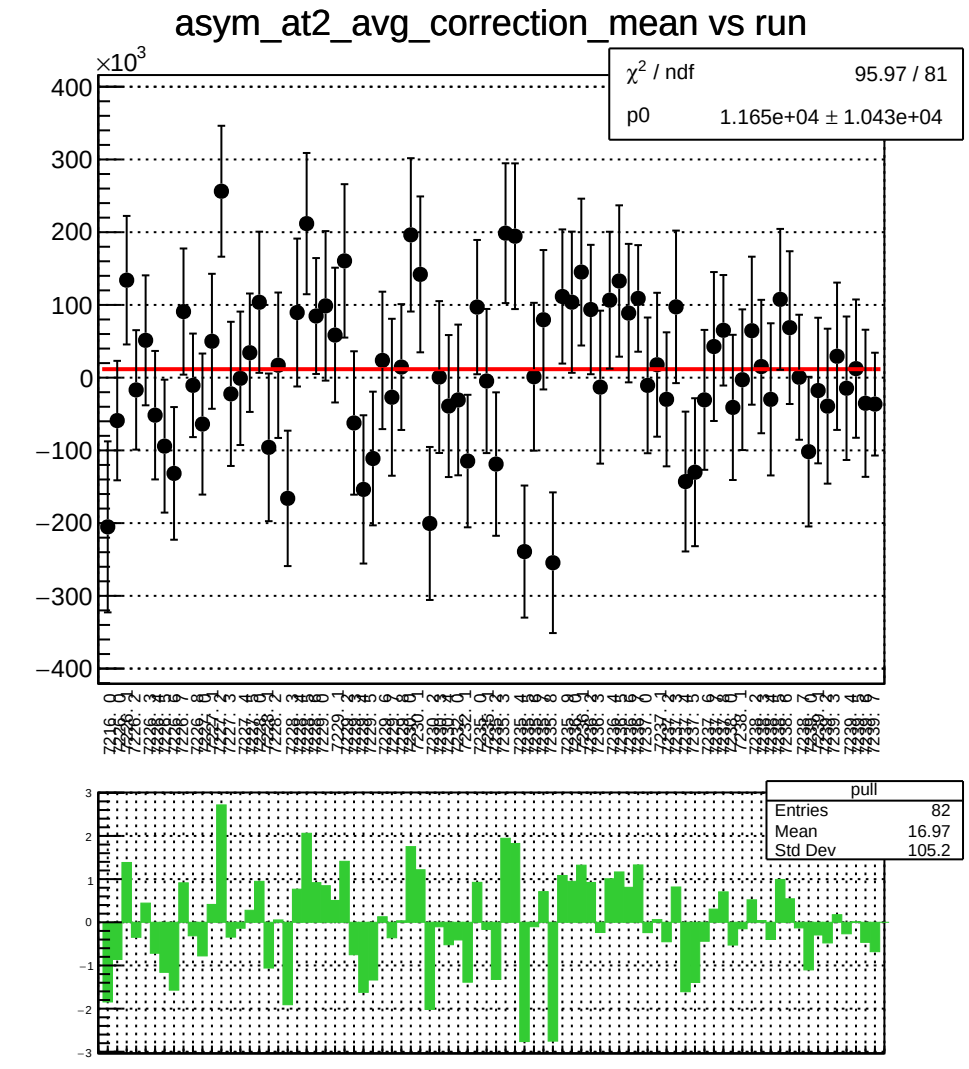

pull1D
Entries 82
Mean −0.0006801
Std Dev 0.9078

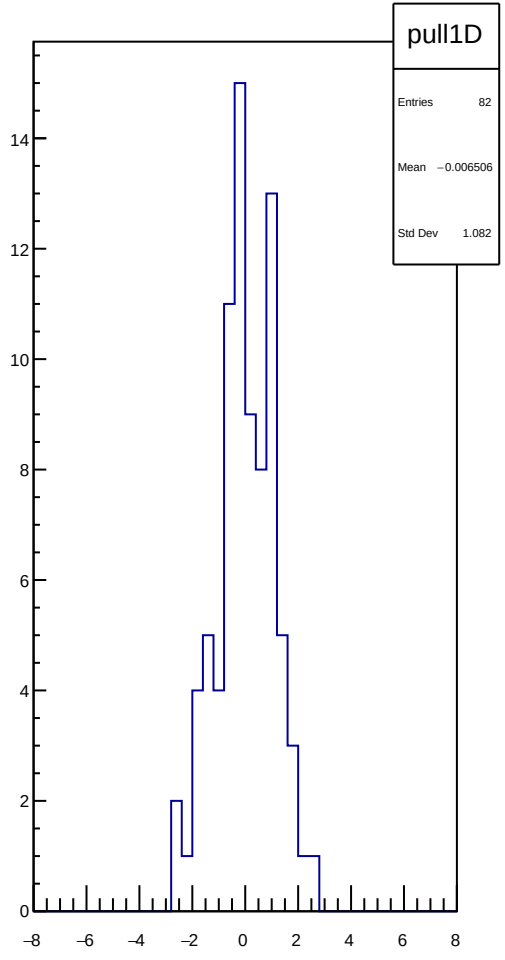

asym_at1_dd_rms vs run
χ^2 / ndf 8105 / 81
p0 1866 ± 1.493
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

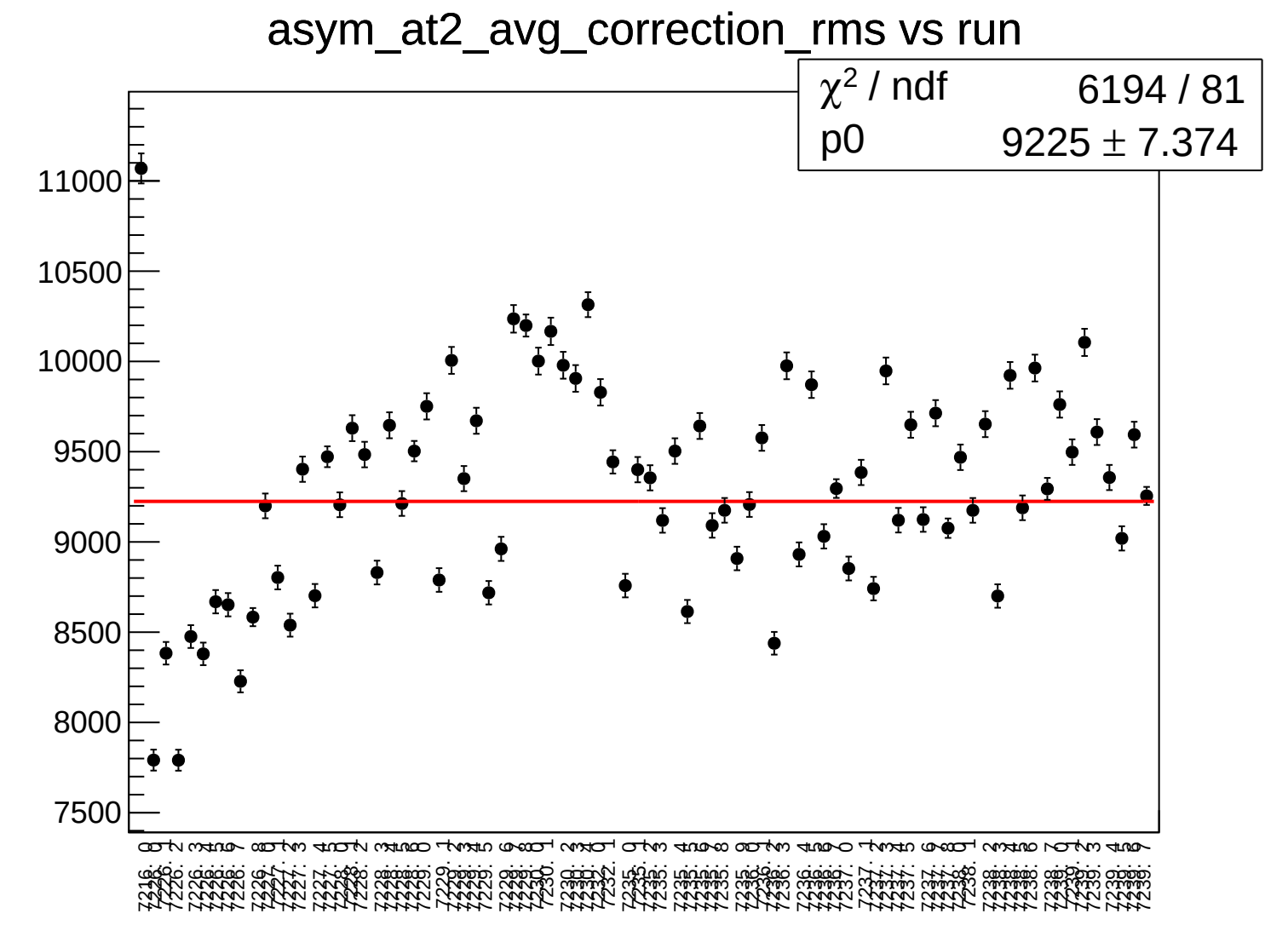

dit_asym_at2_avg_mean vs run
χ² / ndf 107.3 / 81
p0 −2308 ± 1951
pull
Entries 82
Mean −246.7
Std Dev 315

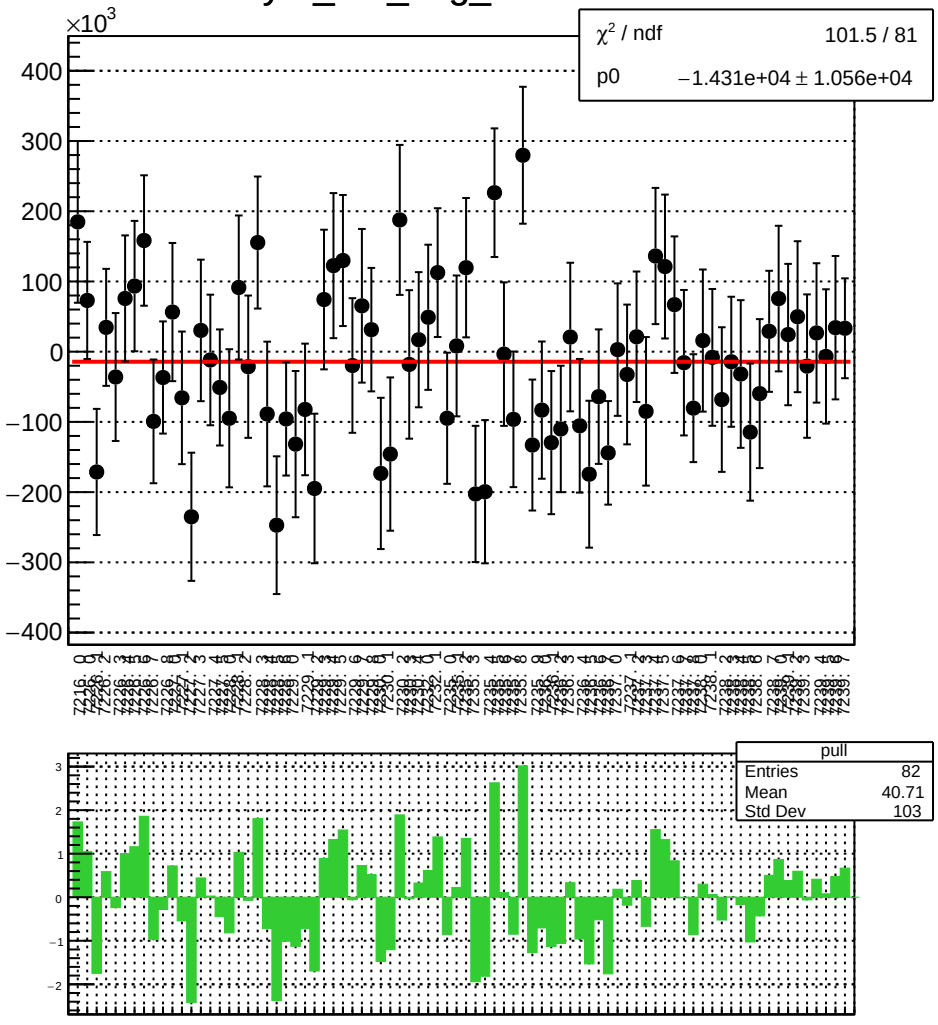

pull1D
Entries 82
Mean −0.001463
Std Dev 1.144

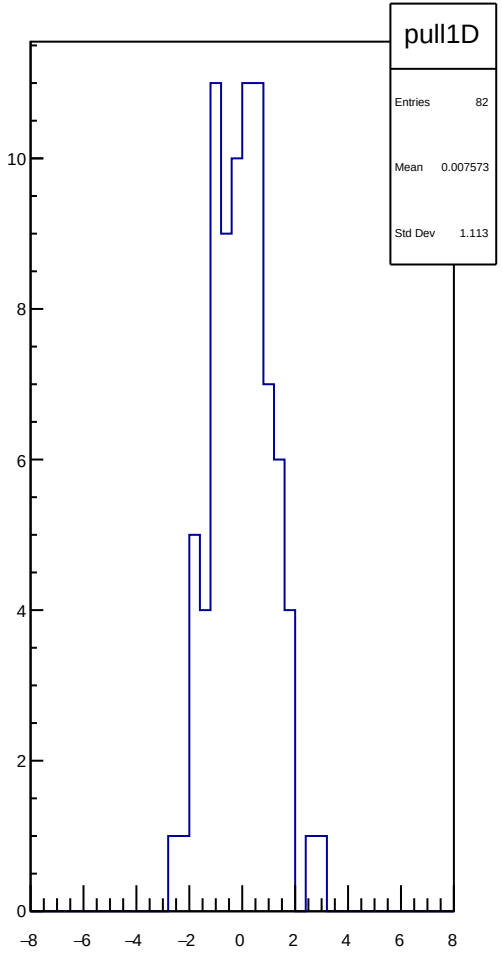

dit_asym_at2_avg_rms vs run
χ² / ndf 1.125e+04 / 81
p0 1723 ± 1.38
4500
4000
3500
3000
2500
2000
1500

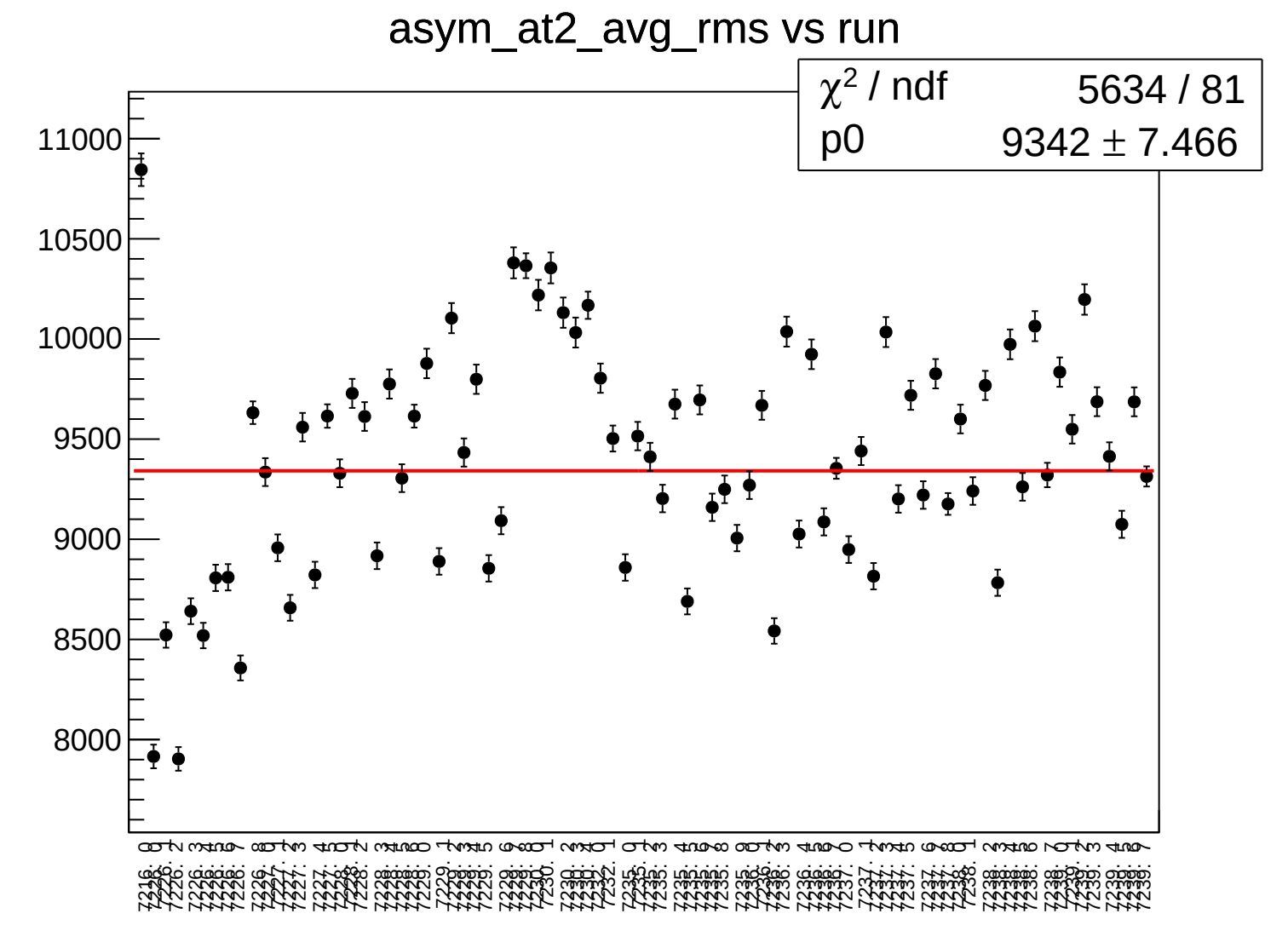

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 95.97 / 81
p0 1.165e+04 ± 1.043e+04
pull
Entries 82
Mean 16.97
Std Dev 105.2

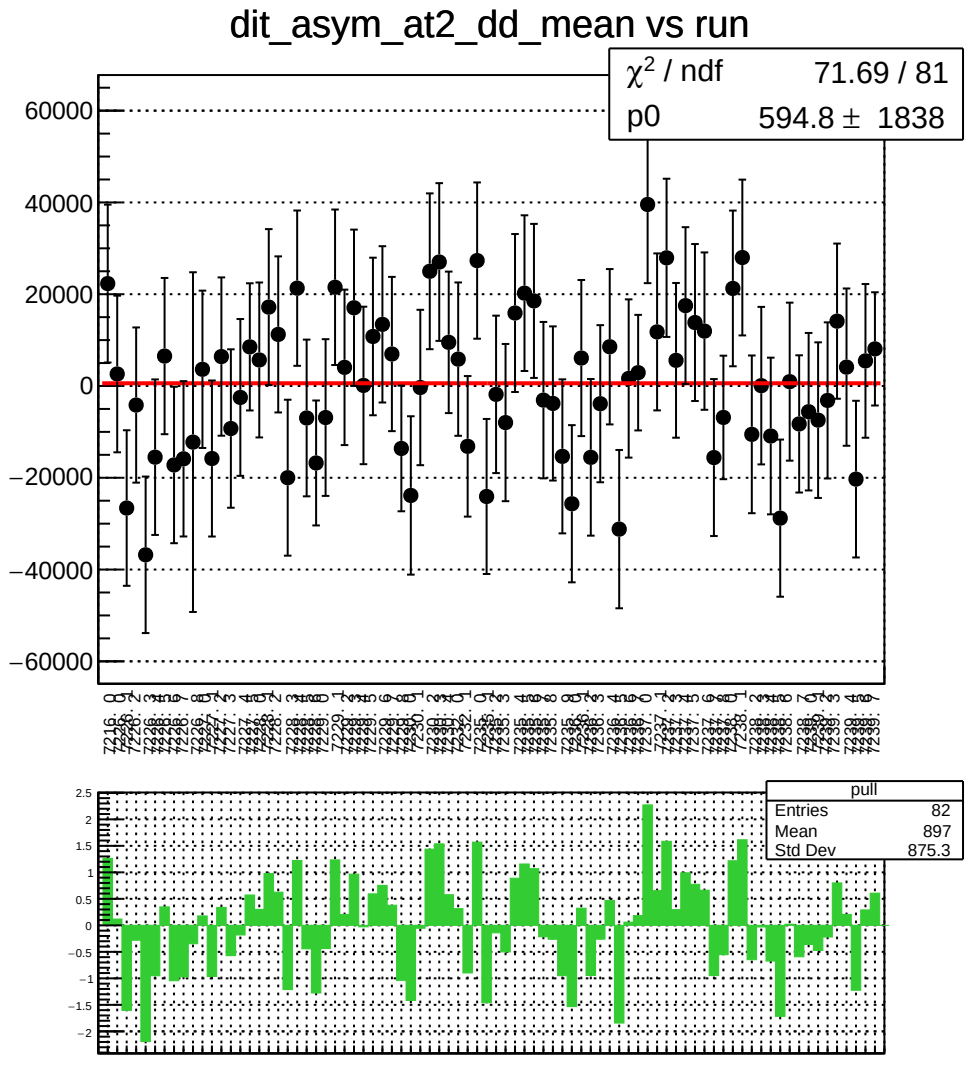

pull1D
Entries 82
Mean −0.006506
Std Dev 1.082

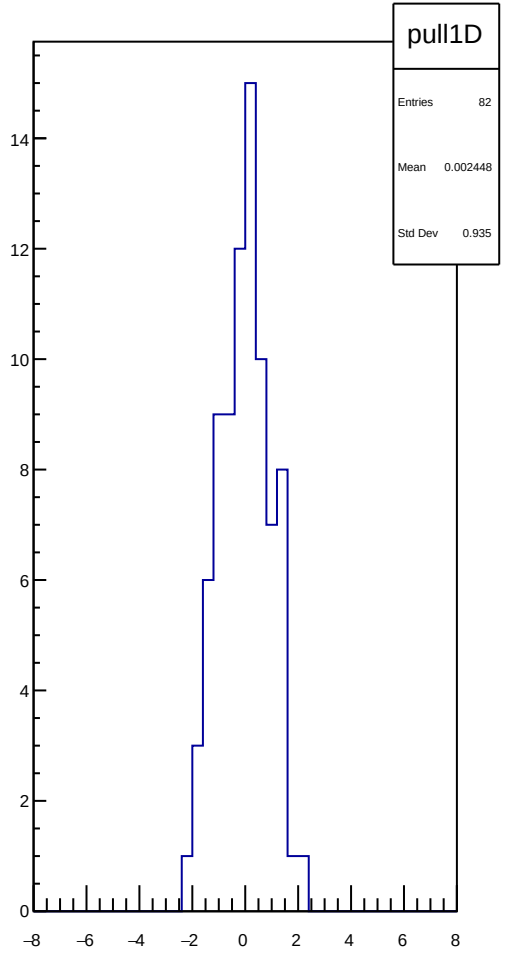

asym_at2_avg_correction_rms vs run
χ² / ndf 6194 / 81
p0 9225 ± 7.374
11000
10500
10000
9500
9000
8500
8000
7500

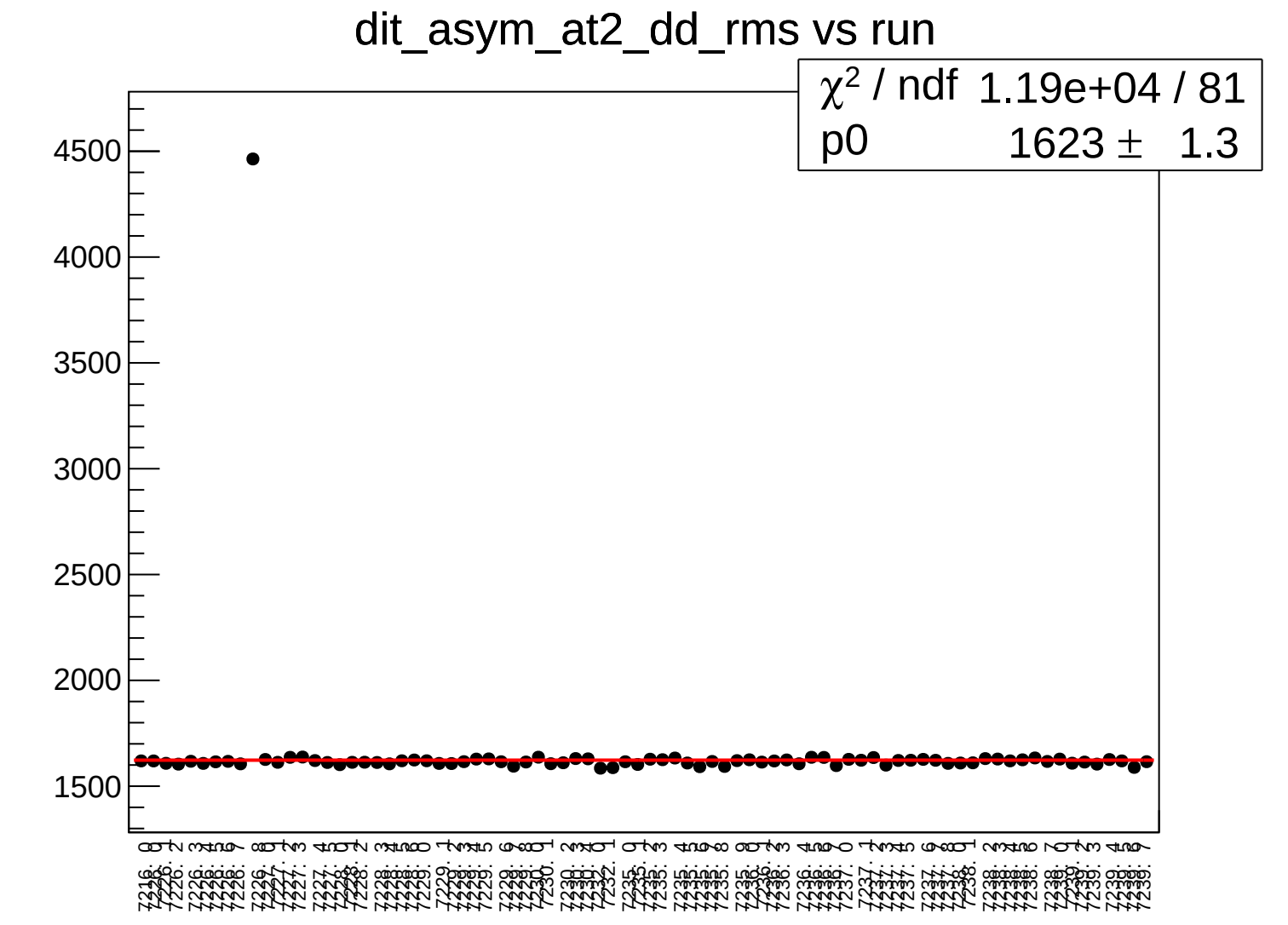

asym_at2_avg_mean vs run
×10^3
χ² / ndf 101.5 / 81
p0 −1.431e+04 ± 1.056e+04
pull
Entries 82
Mean 40.71
Std Dev 103

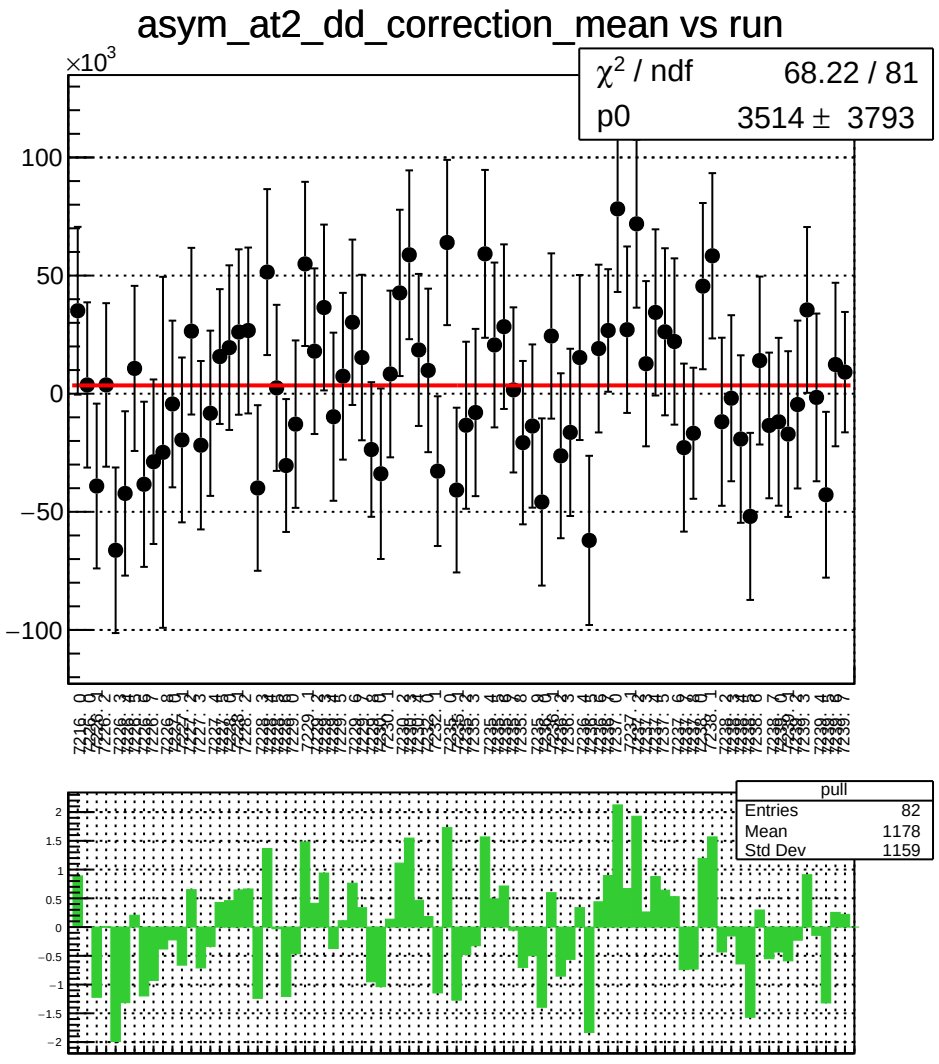

pull1D
Entries 82
Mean 0.007573
Std Dev 1.113

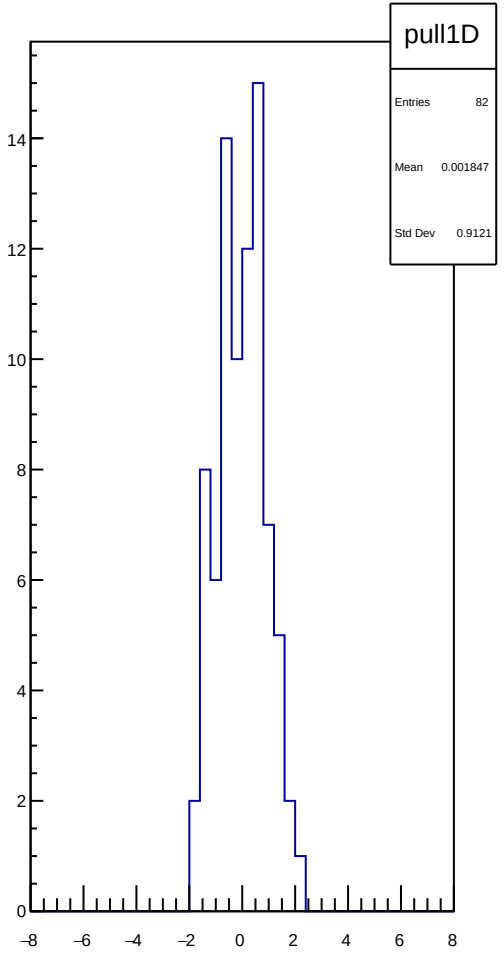

asym_at2_avg_rms vs run
χ^2 / ndf 5634 / 81
p0 9342 ± 7.466
11000
10500
10000
9500
9000
8500
8000

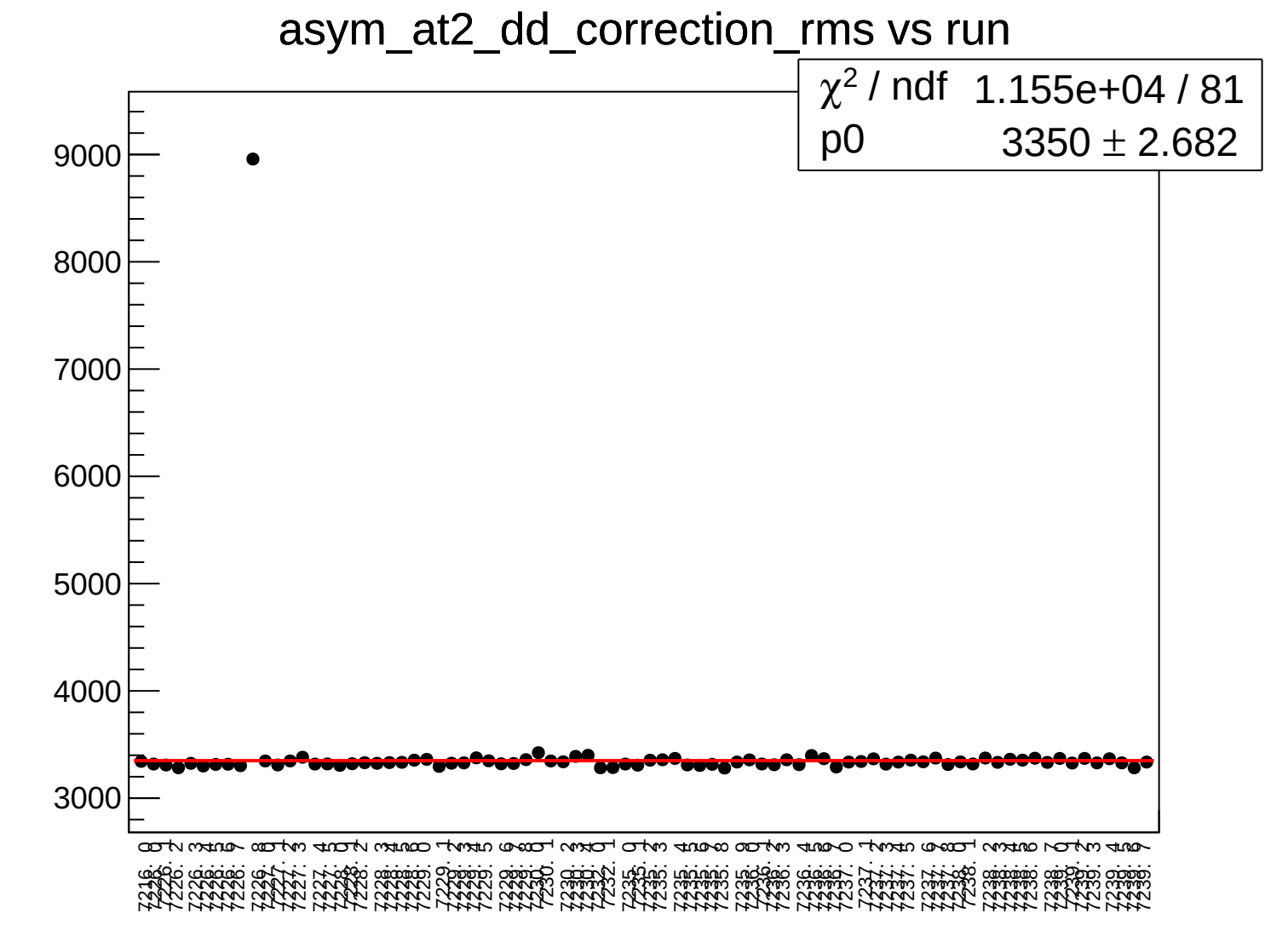

dit_asym_at2_dd_mean vs run
χ² / ndf 71.69 / 81
p0 594.8 ± 1838
pull
Entries 82
Mean 897
Std Dev 875.3

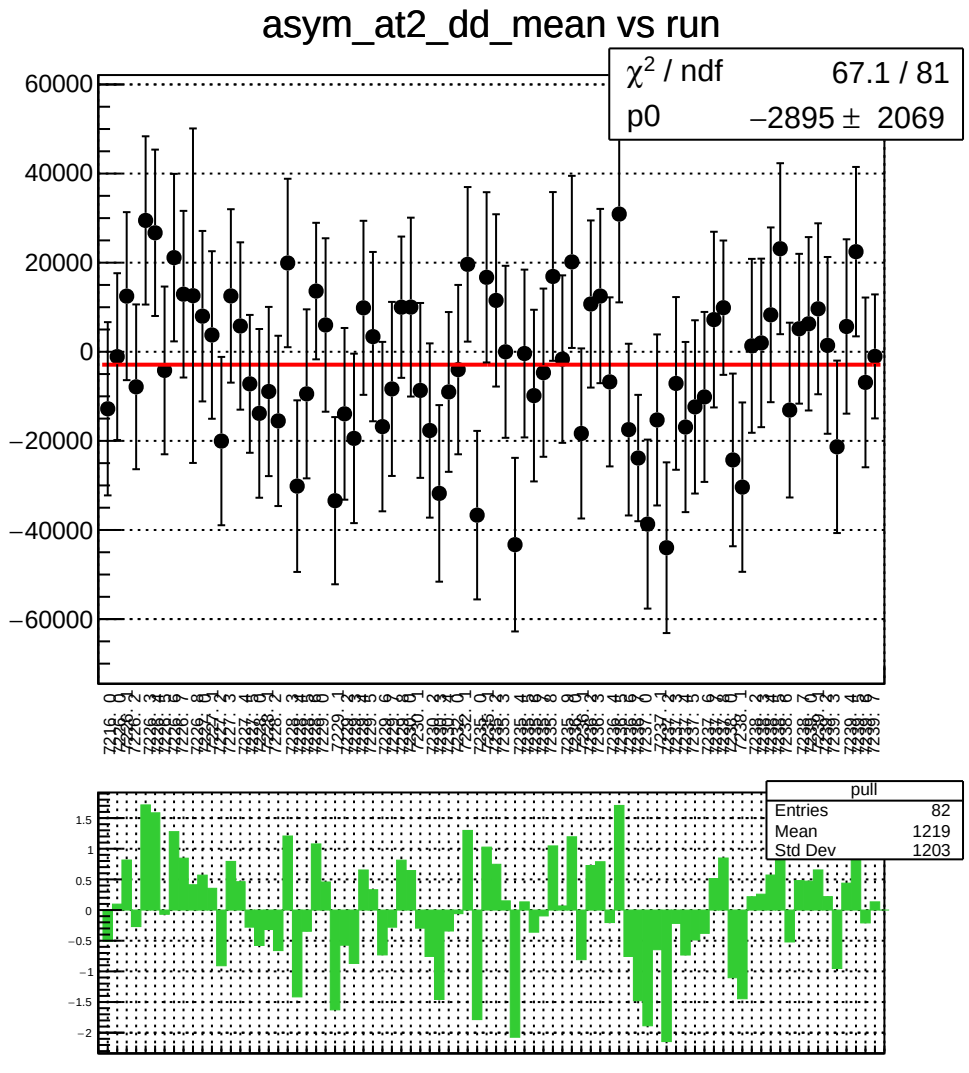

pull1D
Entries 82
Mean 0.002448
Std Dev 0.935

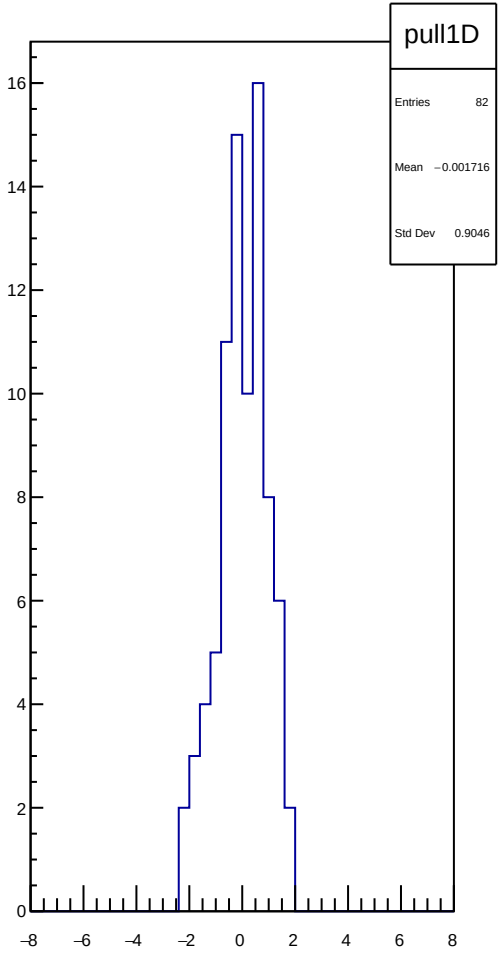

dit_asym_at2_dd_rms vs run
χ² / ndf 1.19e+04 / 81
p0 1623 ± 1.3
4500
4000
3500
3000
2500
2000
1500

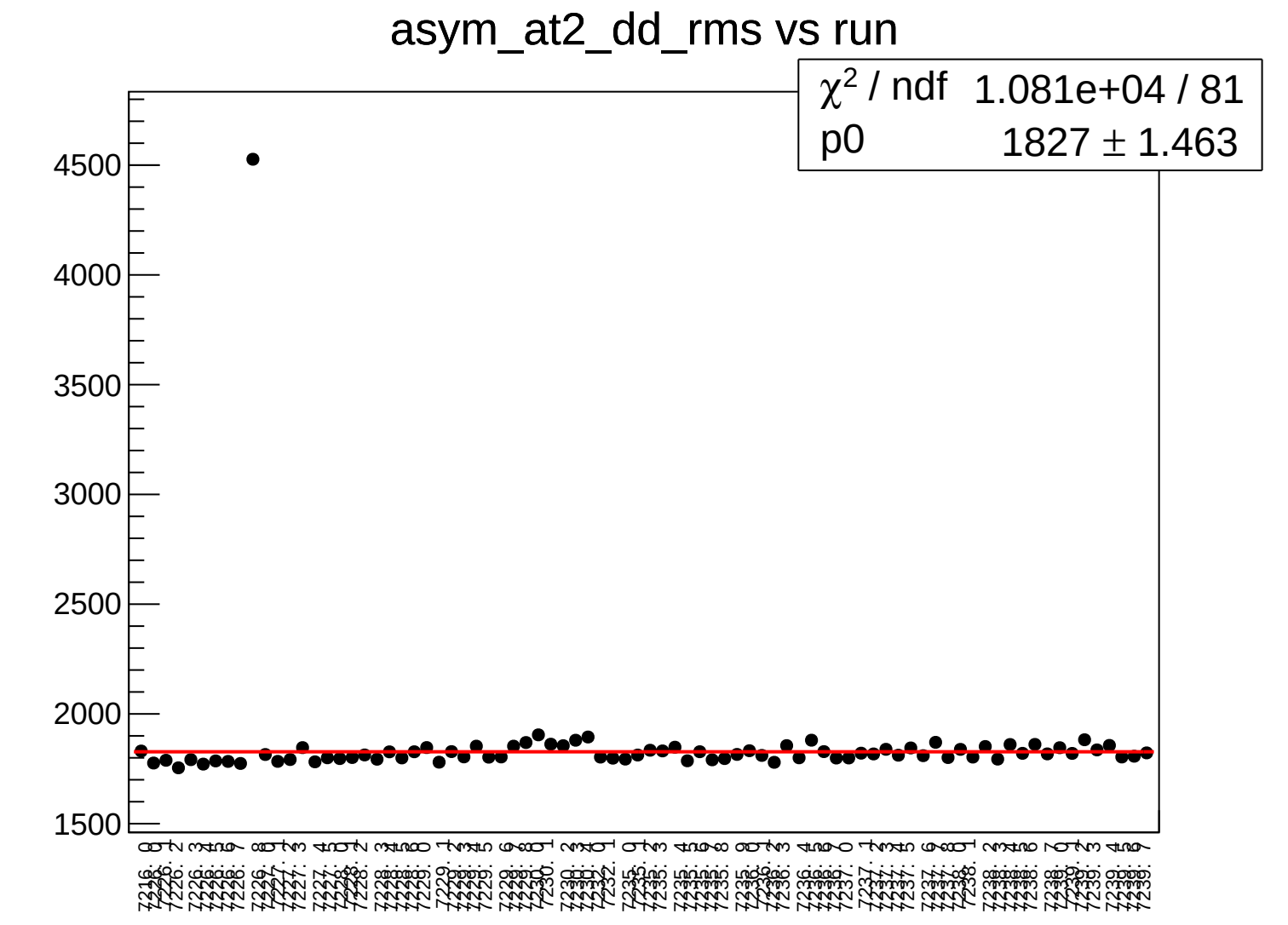

asym_at2_dd_correction_mean vs run
χ² / ndf 68.22 / 81
p0 3514 ± 3793
×10³
pull
Entries 82
Mean 1178
Std Dev 1159

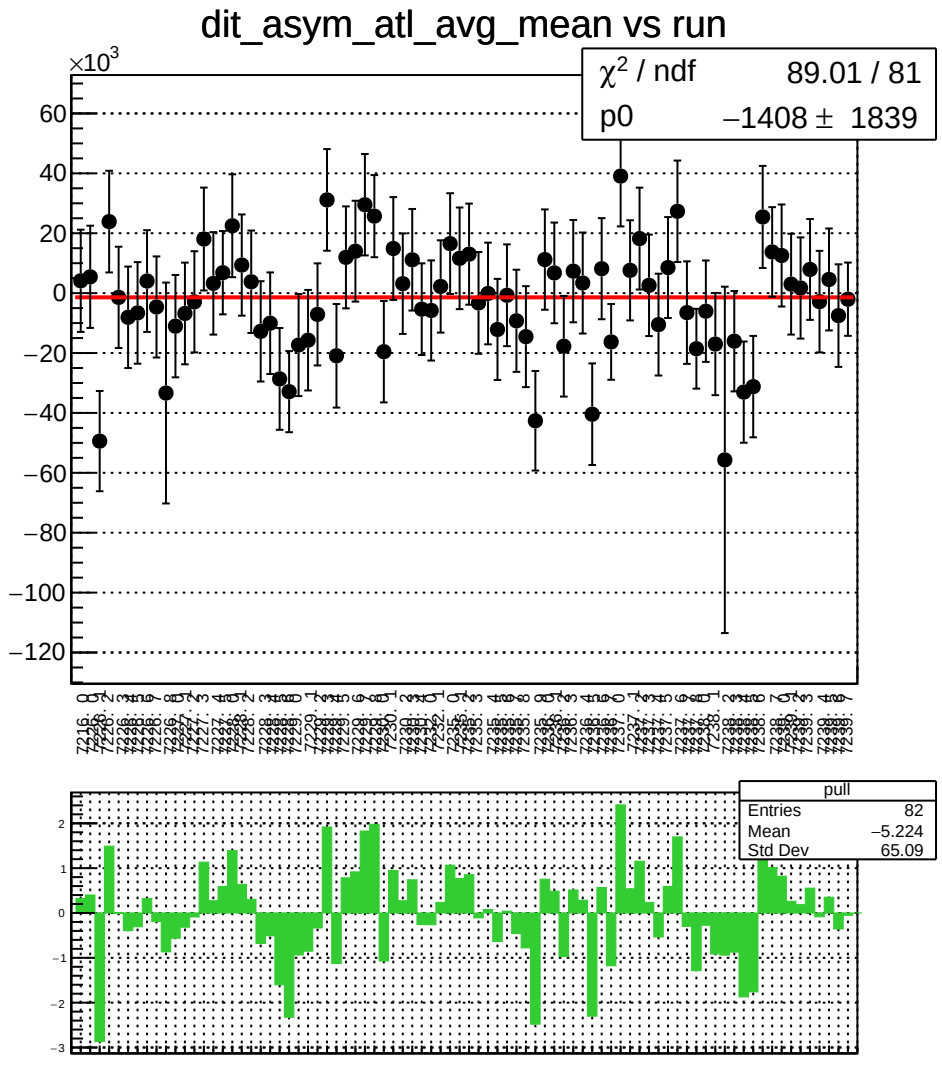

pull1D
Entries 82
Mean 0.001847
Std Dev 0.9121

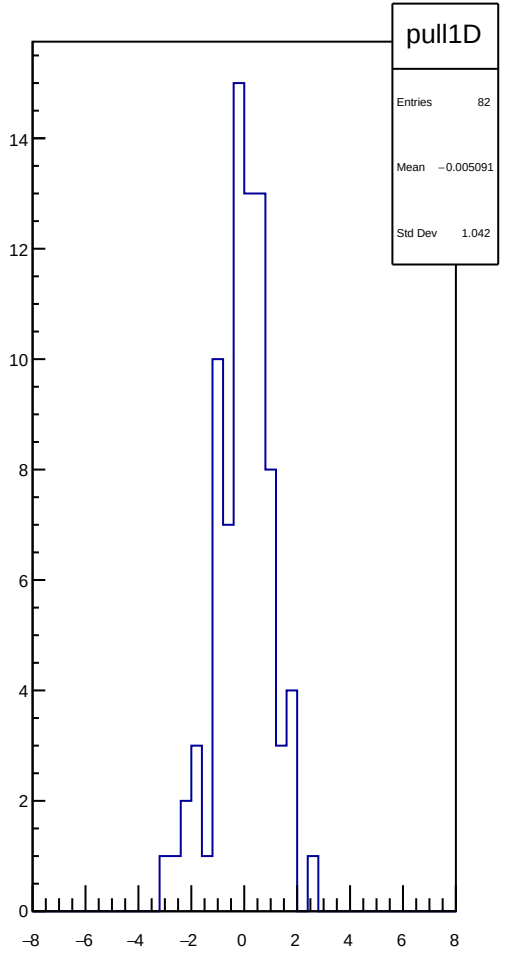

asym_at2_dd_correction_rms vs run
χ² / ndf 1.155e+04 / 81
p0 3350 ± 2.682
9000
8000
7000
6000
5000
4000
3000

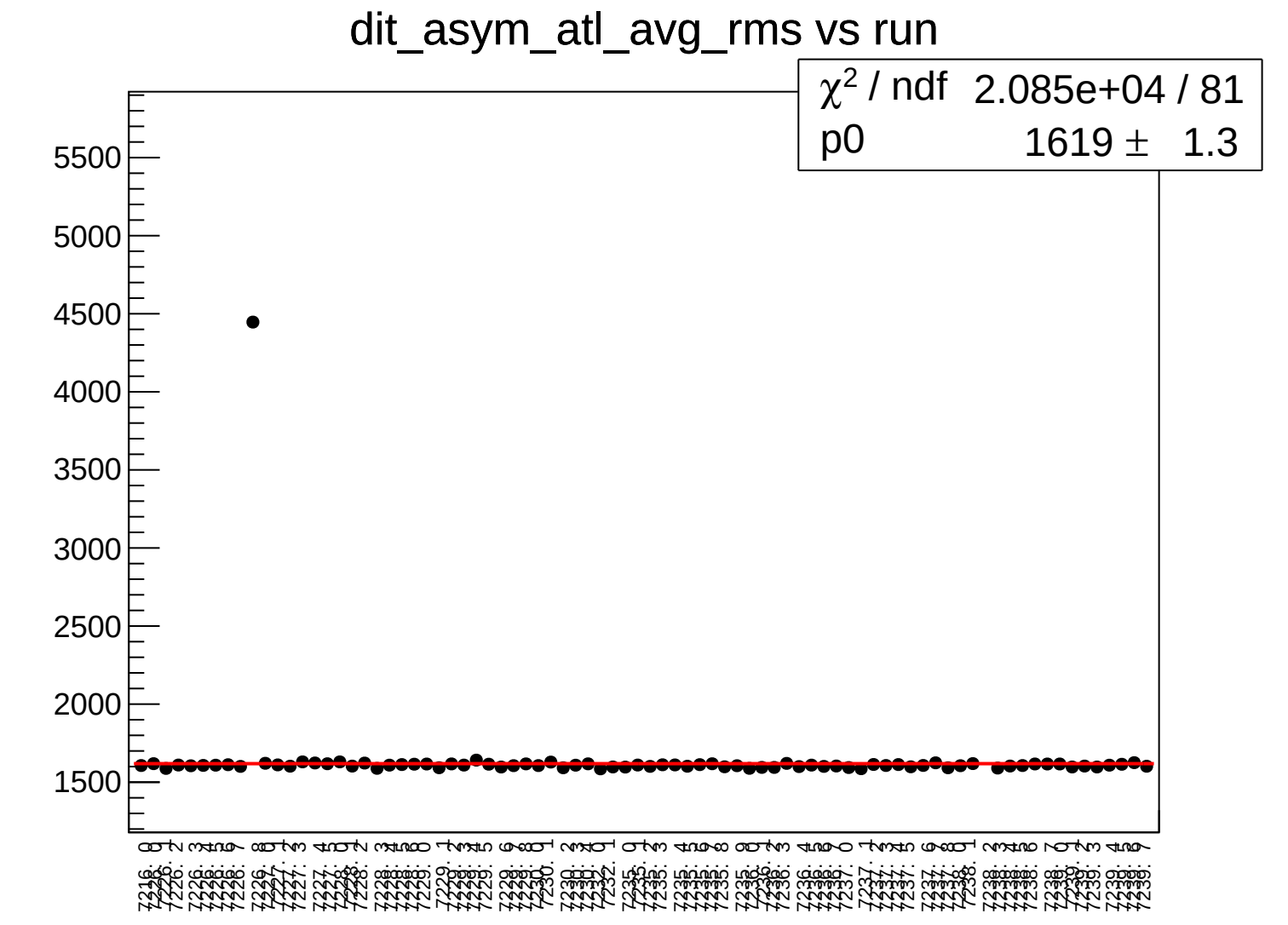

asym_at2_dd_mean vs run
χ² / ndf 67.1 / 81
p0 −2895 ± 2069
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1219
Std Dev 1203
1.5
1
0.5
0
−0.5
−1
−1.5
−2

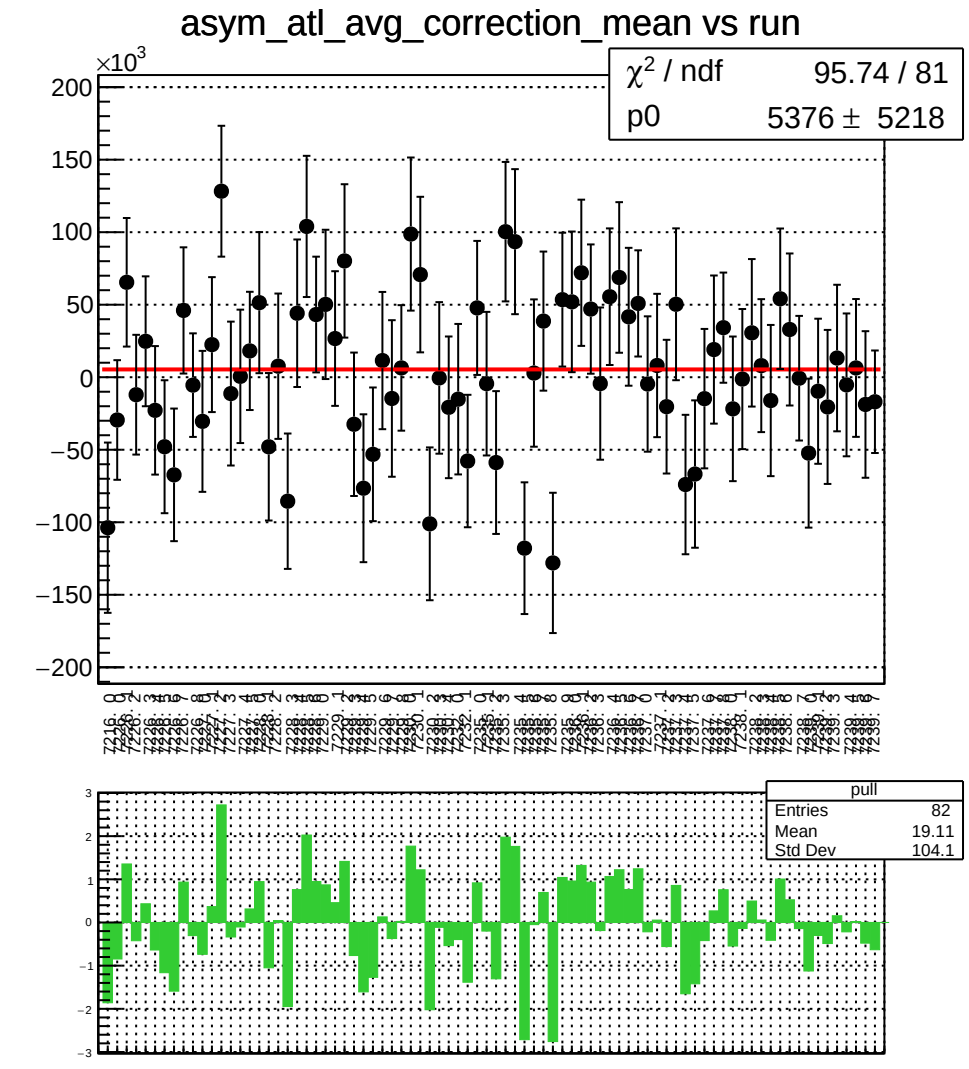

pull1D
Entries 82
Mean −0.001716
Std Dev 0.9046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

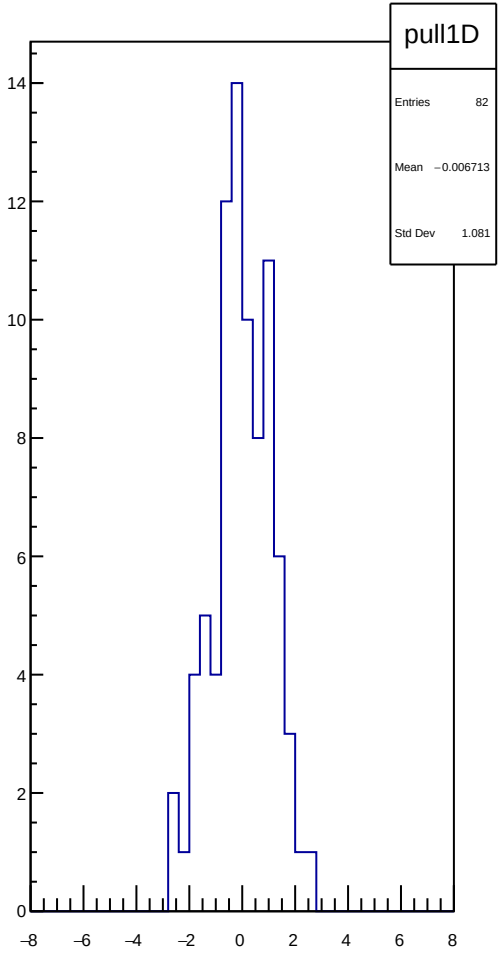

asym_at2_dd_rms vs run
χ^2 / ndf 1.081e+04 / 81
p0 1827 ± 1.463
4500
4000
3500
3000
2500
2000
1500

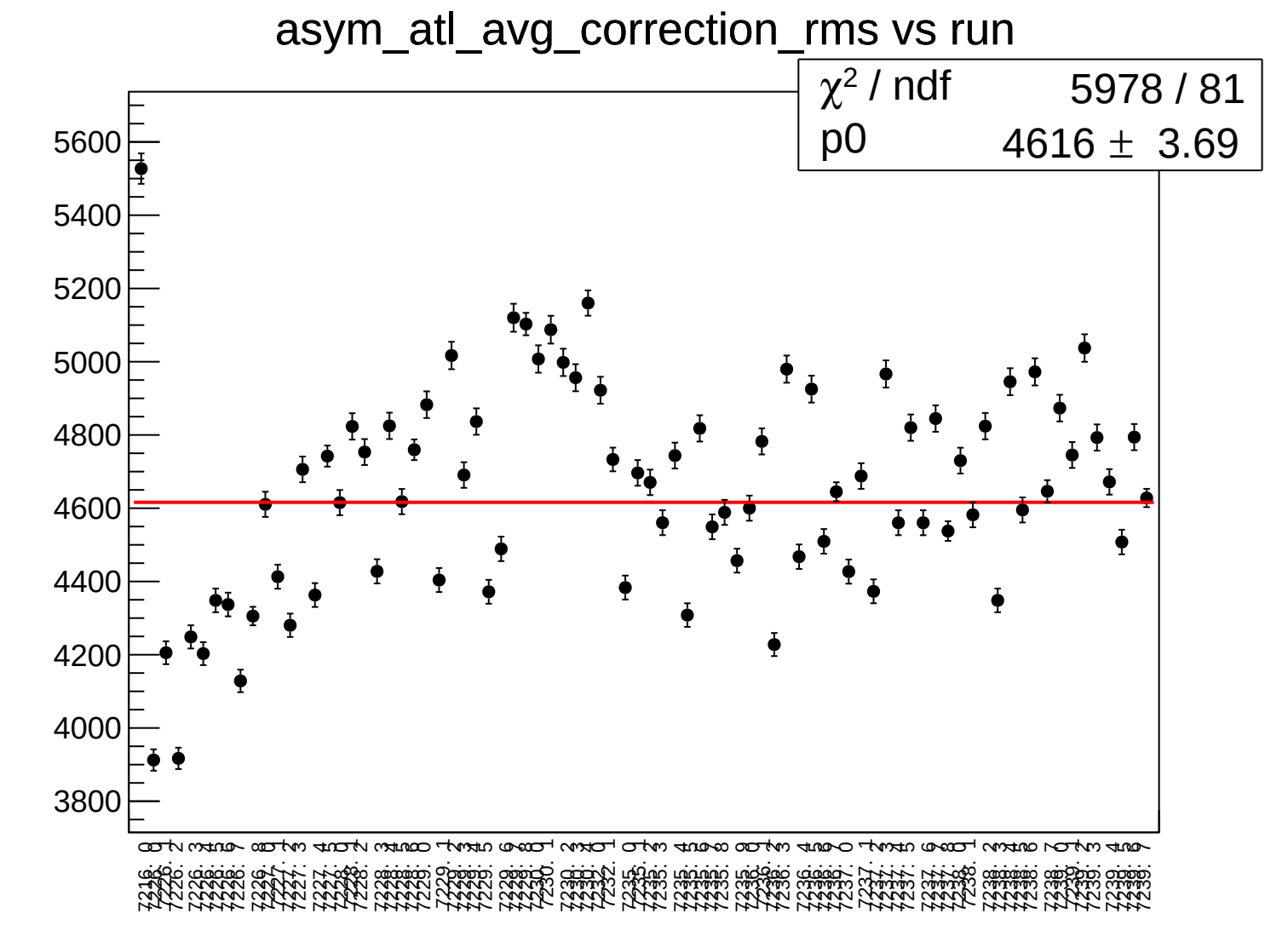

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 89.01 / 81
p0 −1408 ± 1839
pull
Entries 82
Mean −5.224
Std Dev 65.09

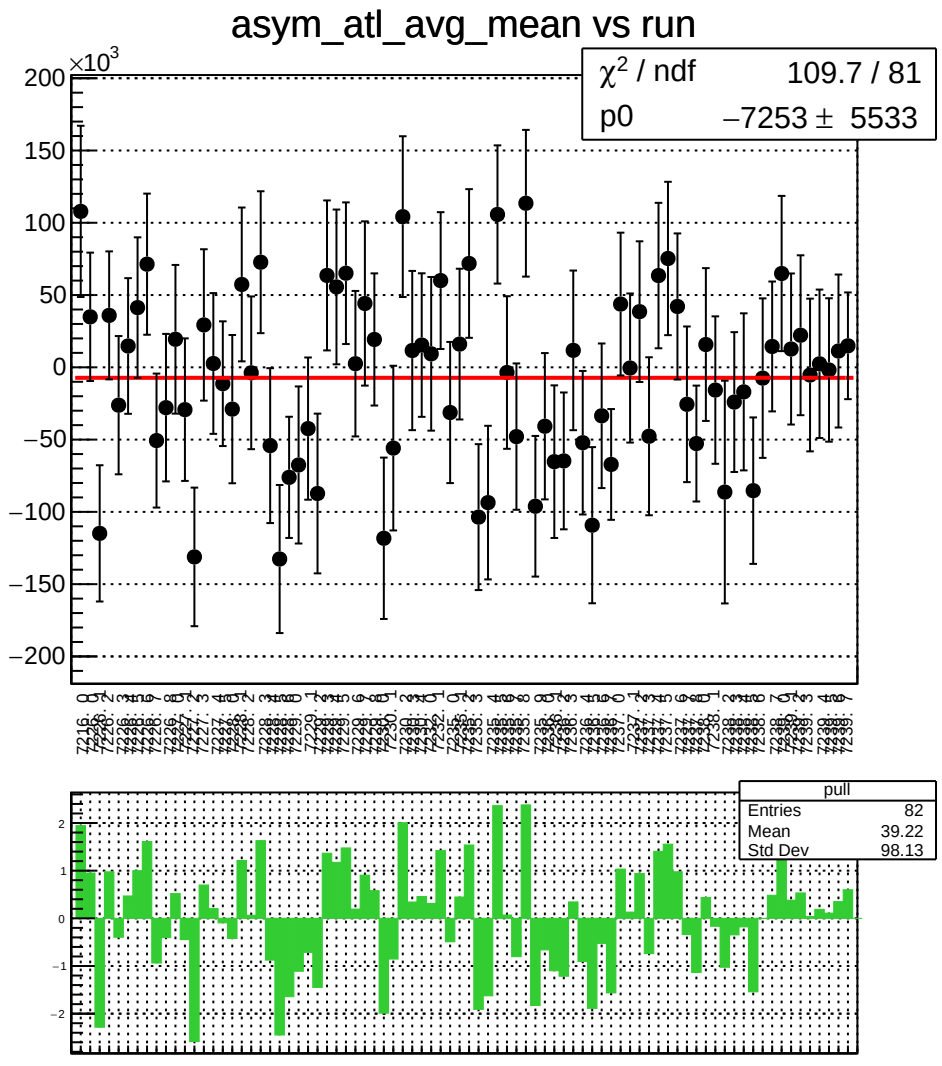

pull1D
Entries 82
Mean −0.005091
Std Dev 1.042

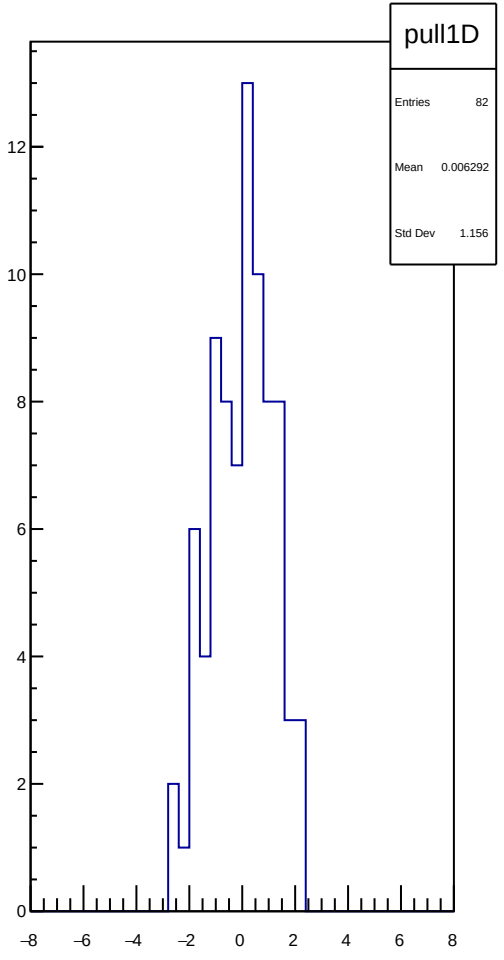

dit_asym_atl_avg_rms vs run
χ² / ndf 2.085e+04 / 81
p0 1619 ± 1.3
5500
5000
4500
4000
3500
3000
2500
2000
1500

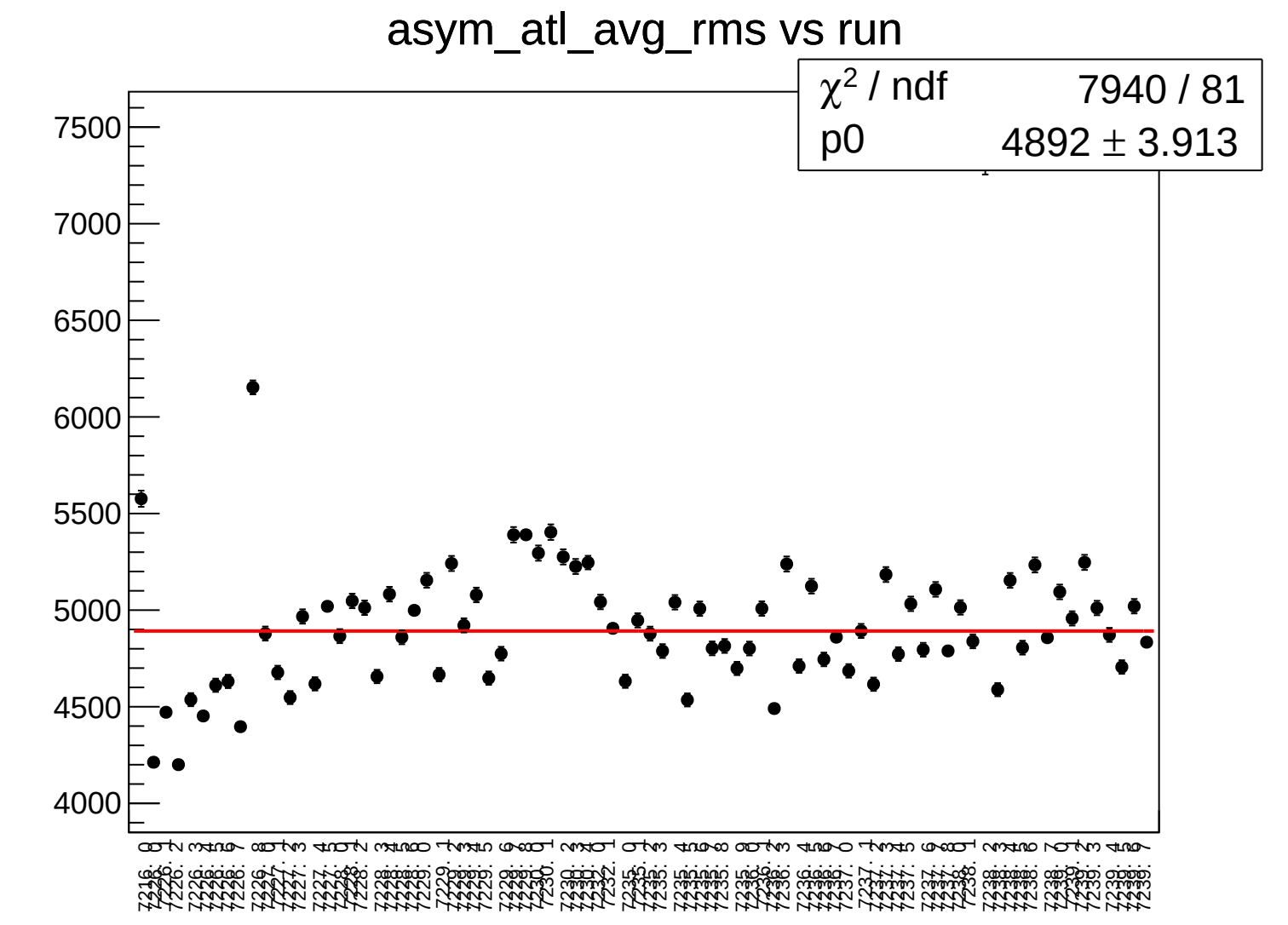

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 95.74 / 81
p0 5376 ± 5218
pull
Entries 82
Mean 19.11
Std Dev 104.1

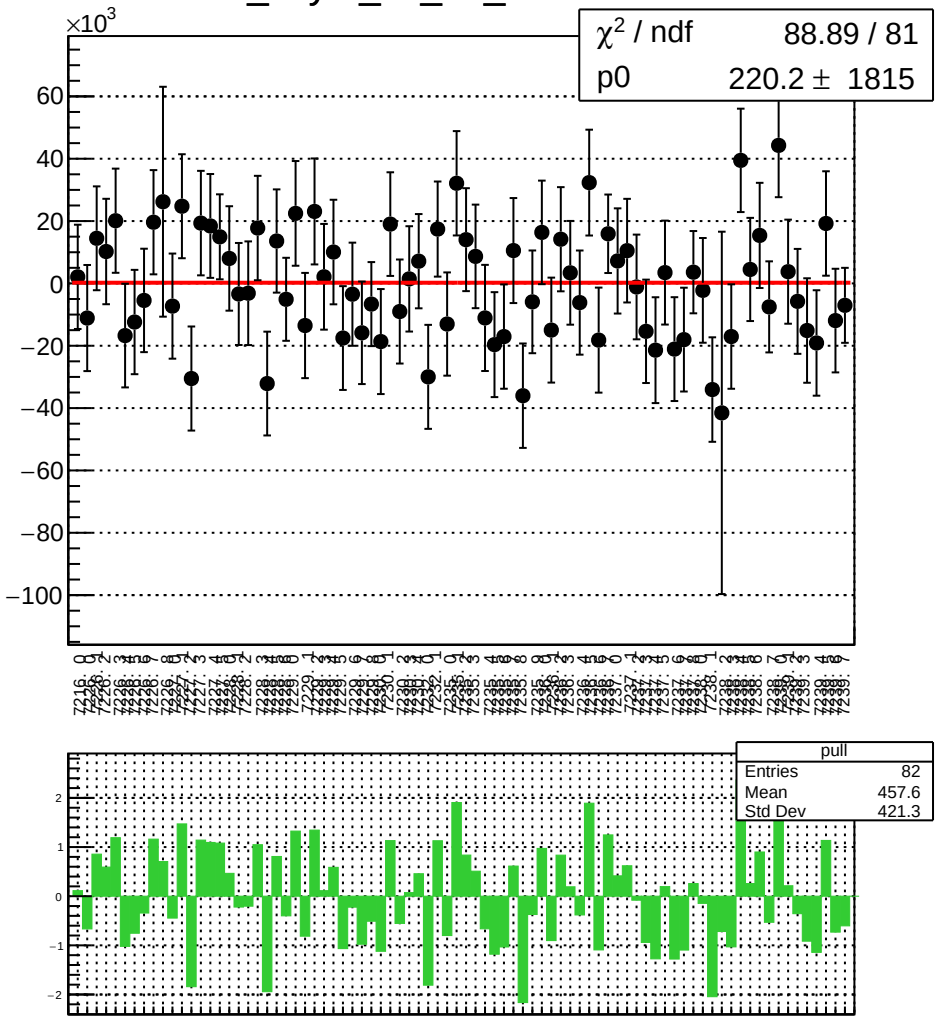

pull1D
Entries 82
Mean −0.006713
Std Dev 1.081

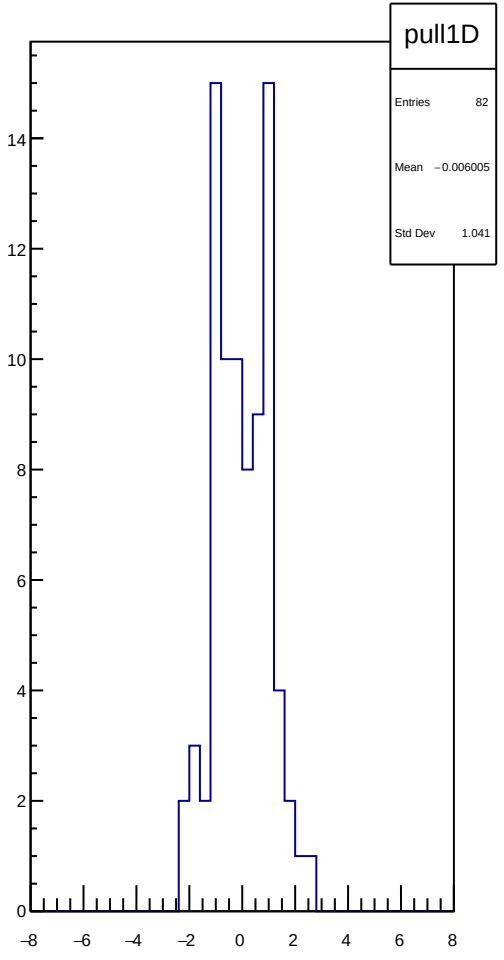

asym_atl_avg_correction_rms vs run
χ² / ndf 5978 / 81
p0 4616 ± 3.69
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

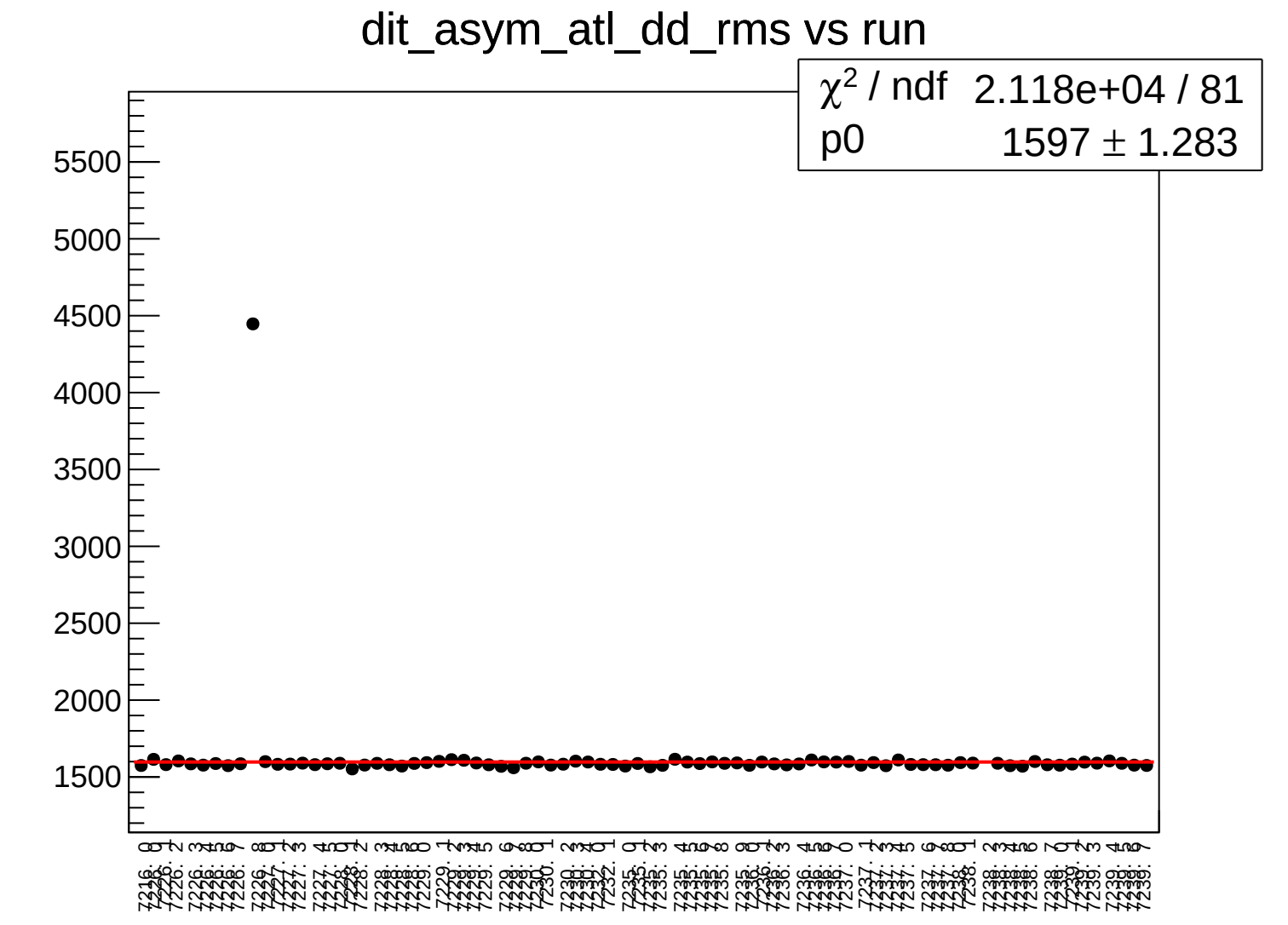

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 109.7 / 81
p0 −7253 ± 5533
pull
Entries 82
Mean 39.22
Std Dev 98.13

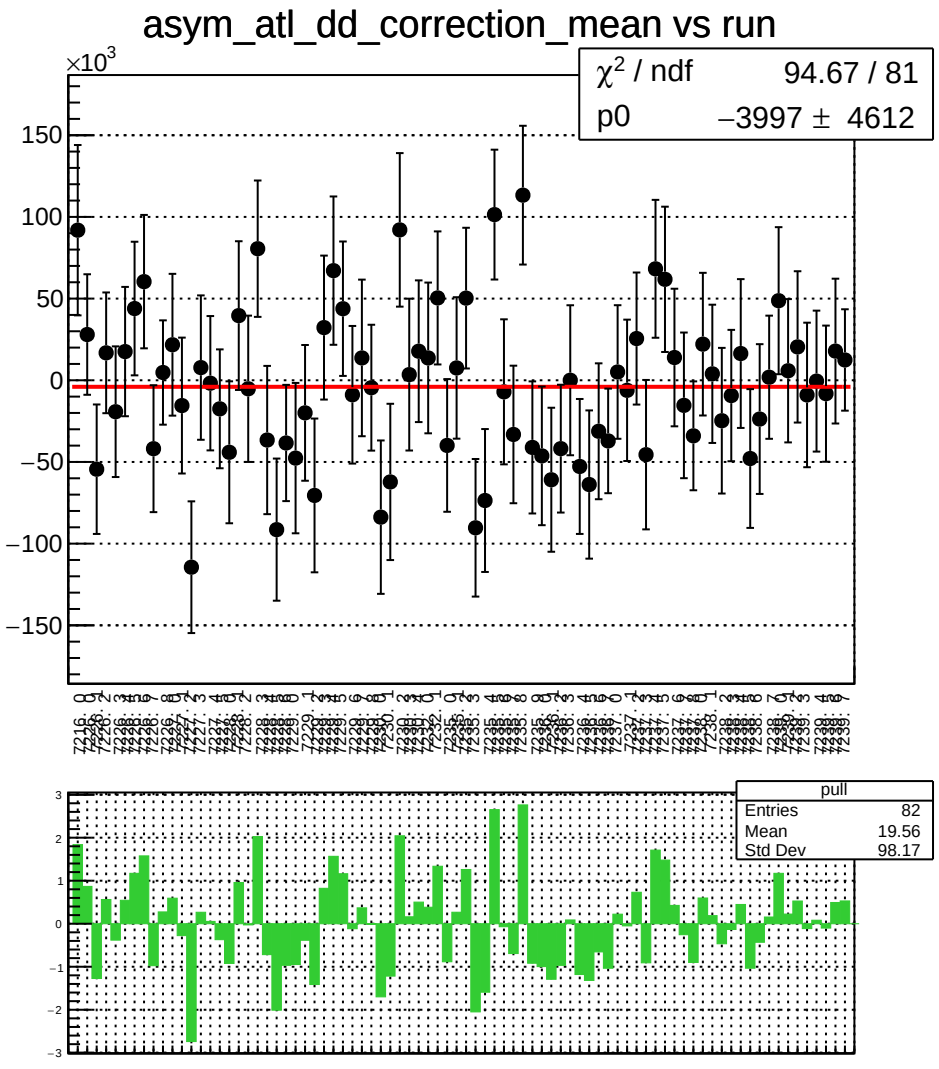

pull1D
Entries 82
Mean 0.006292
Std Dev 1.156

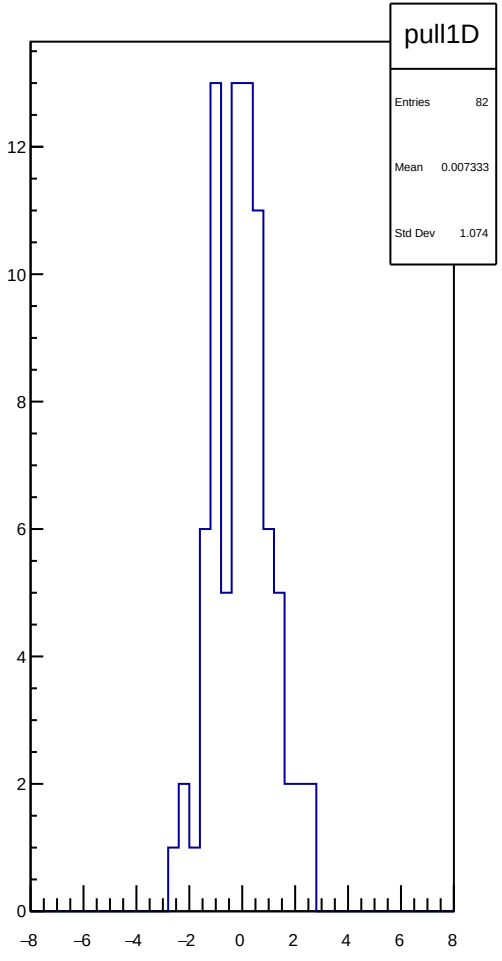

asym_atl_avg_rms vs run
χ² / ndf 7940 / 81
p0 4892 ± 3.913
7500
7000
6500
6000
5500
5000
4500
4000

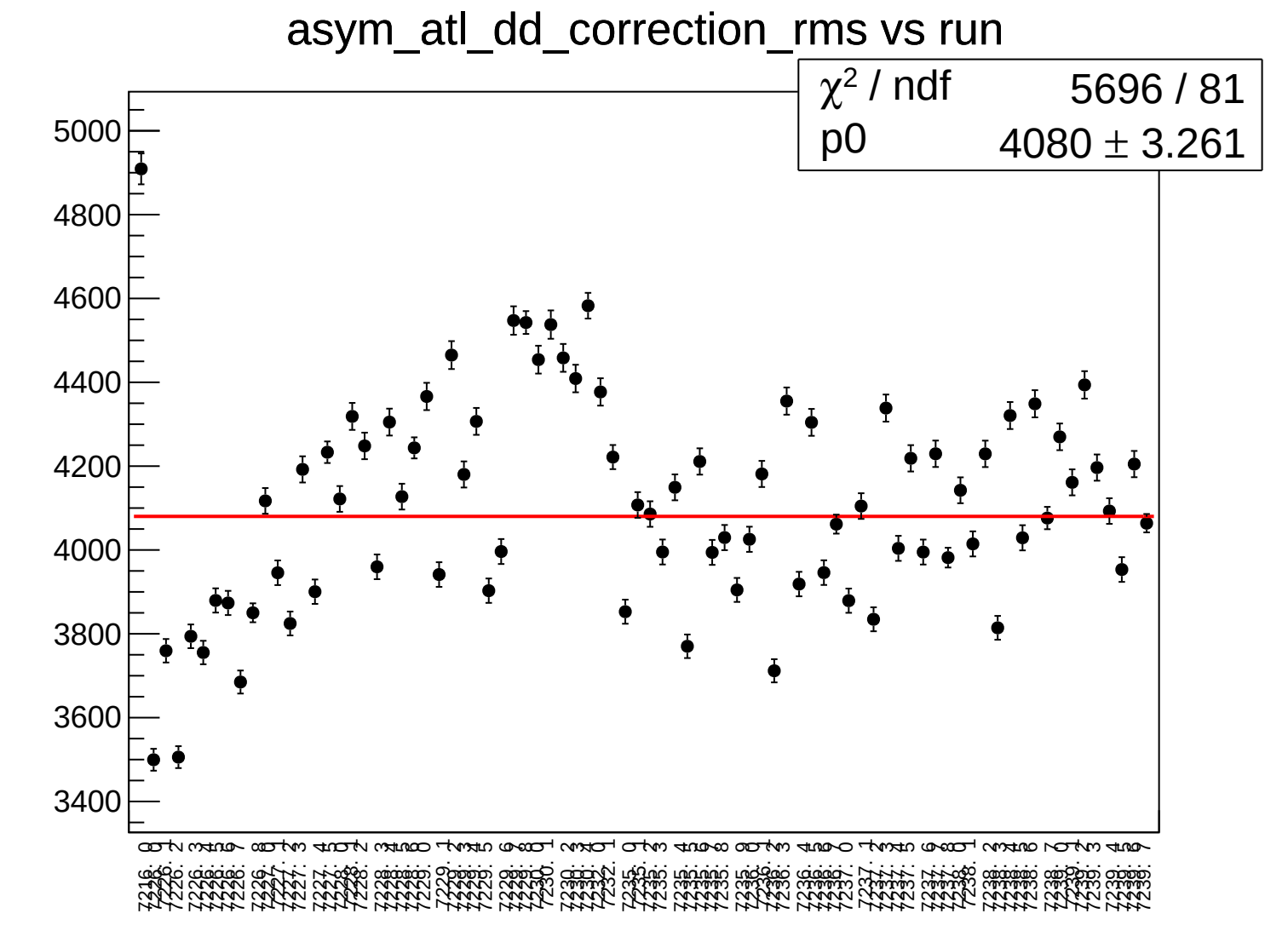

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 88.89 / 81
p0 220.2 ± 1815
pull
Entries 82
Mean 457.6
Std Dev 421.3

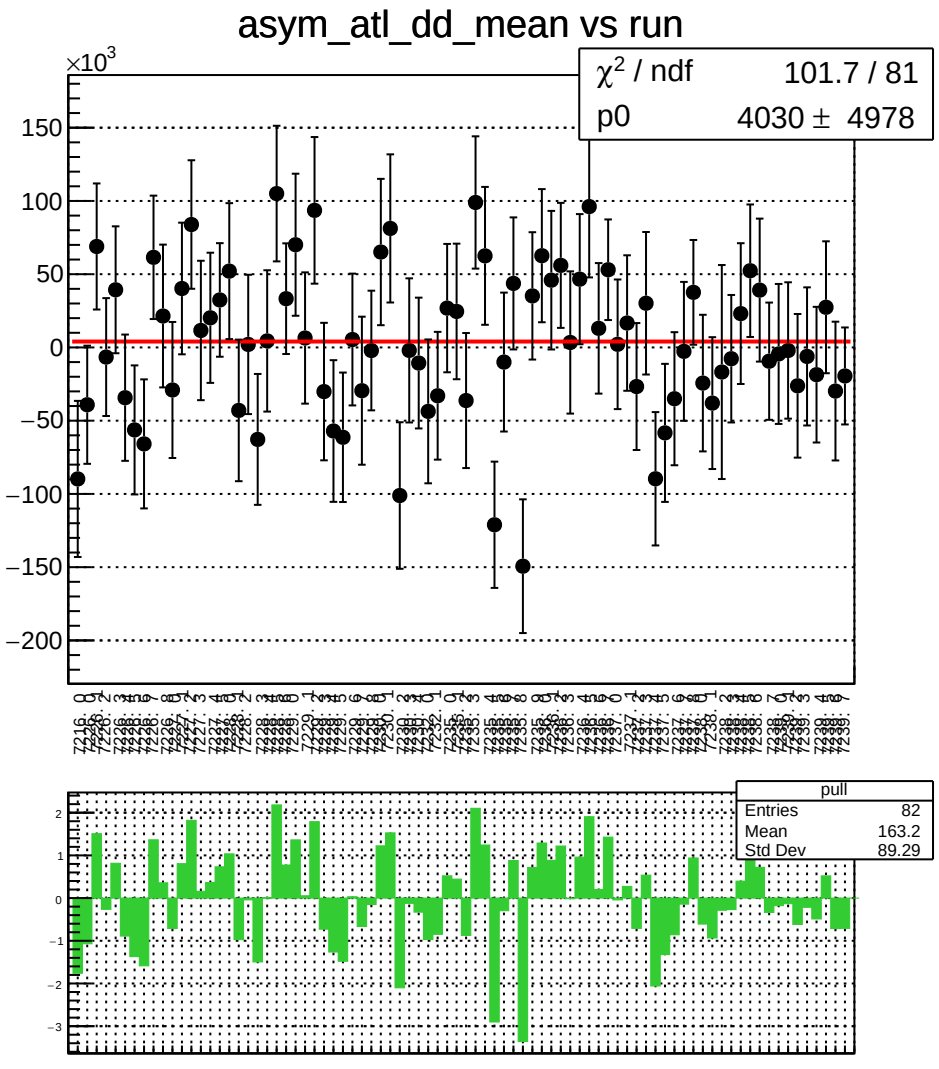

pull1D
Entries 82
Mean −0.006005
Std Dev 1.041

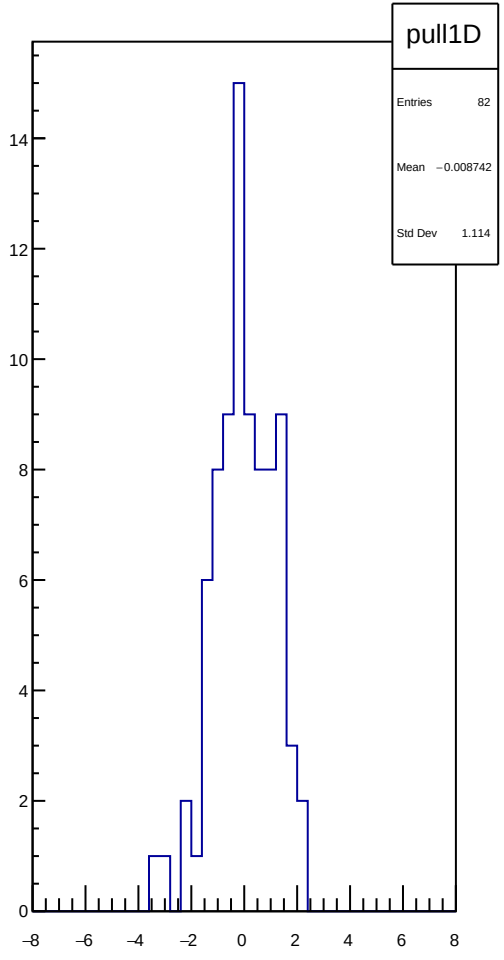

dit_asym_atl_dd_rms vs run
χ^2 / ndf 2.118e+04 / 81
p0 1597 ± 1.283
5500
5000
4500
4000
3500
3000
2500
2000
1500

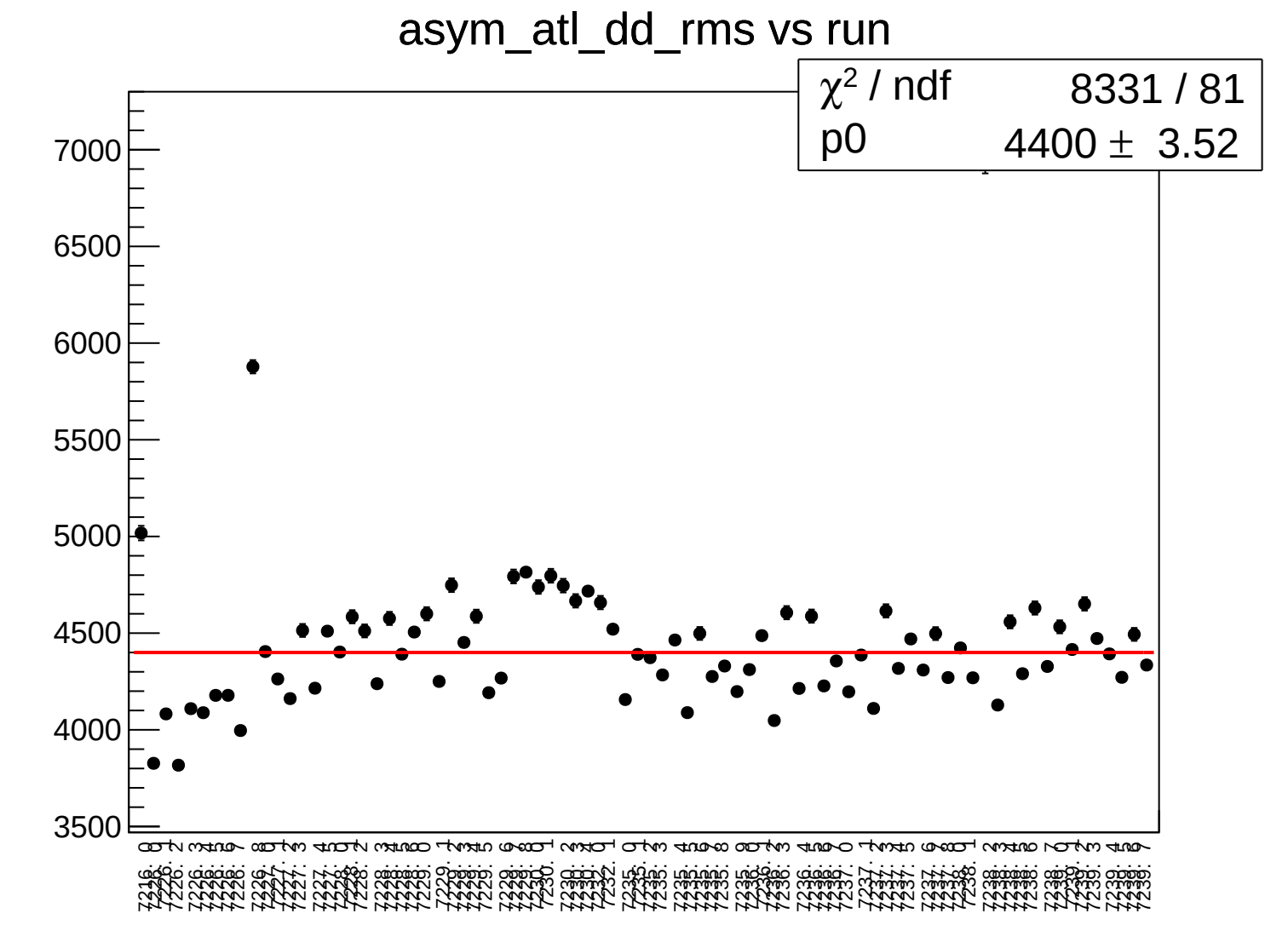

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 94.67 / 81
p0 −3997 ± 4612
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 19.56
Std Dev 98.17
3
2
1
0
−1
−2
−3

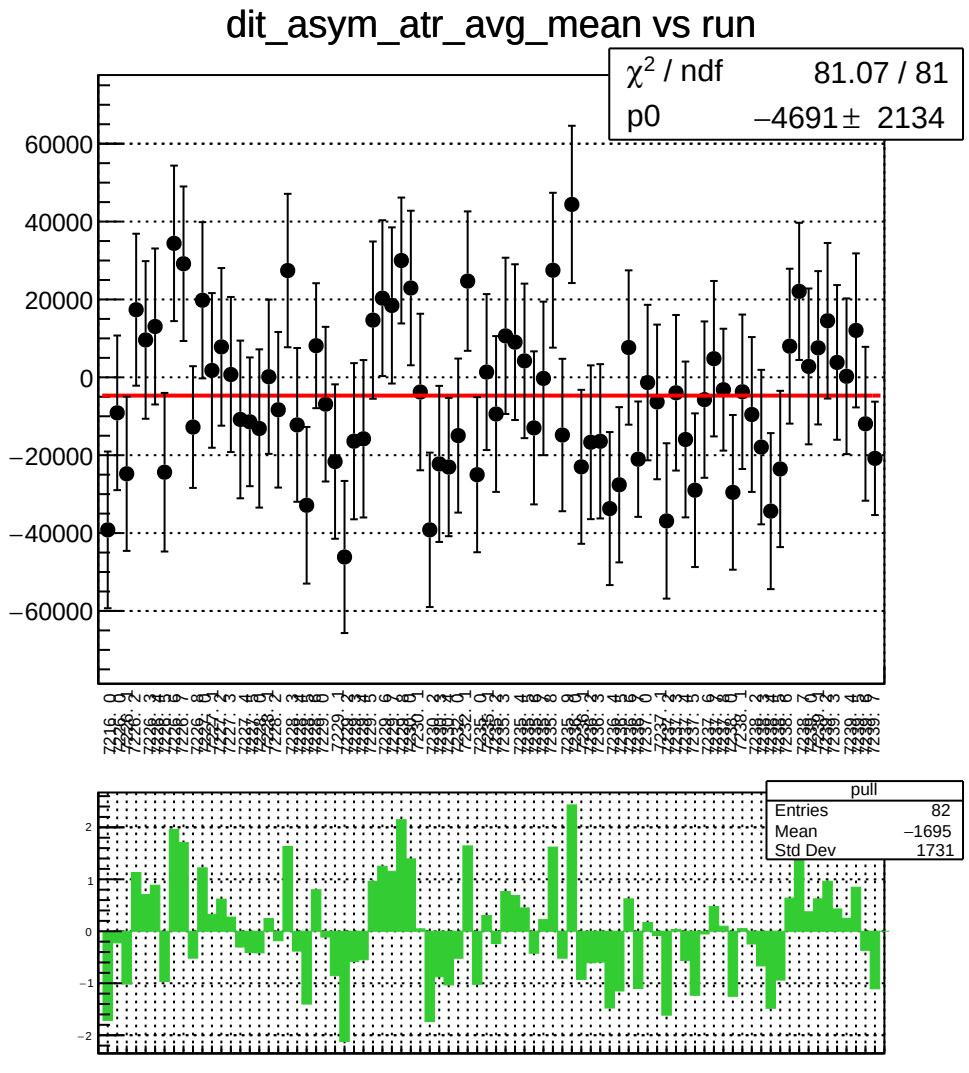

pull1D
Entries 82
Mean 0.007333
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

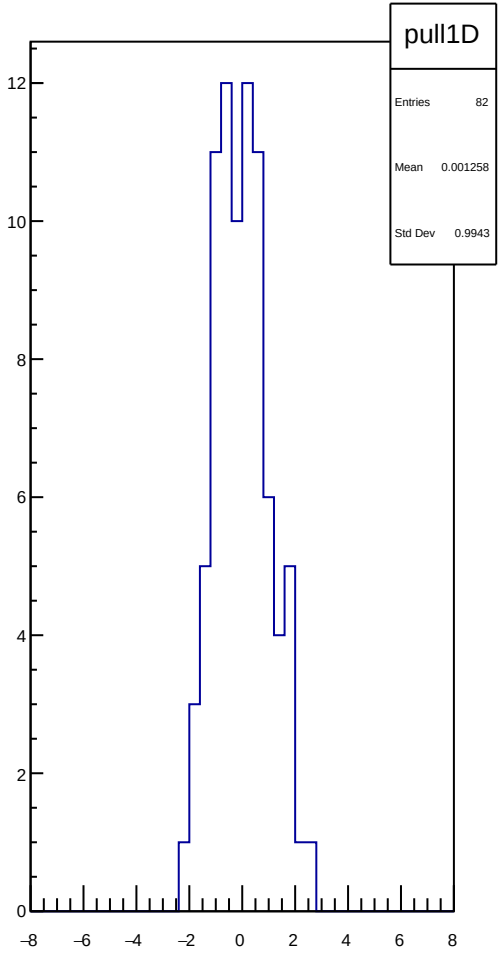

asym_atl_dd_correction_rms vs run
χ² / ndf 5696 / 81
p0 4080 ± 3.261
5000
4800
4600
4400
4200
4000
3800
3600
3400

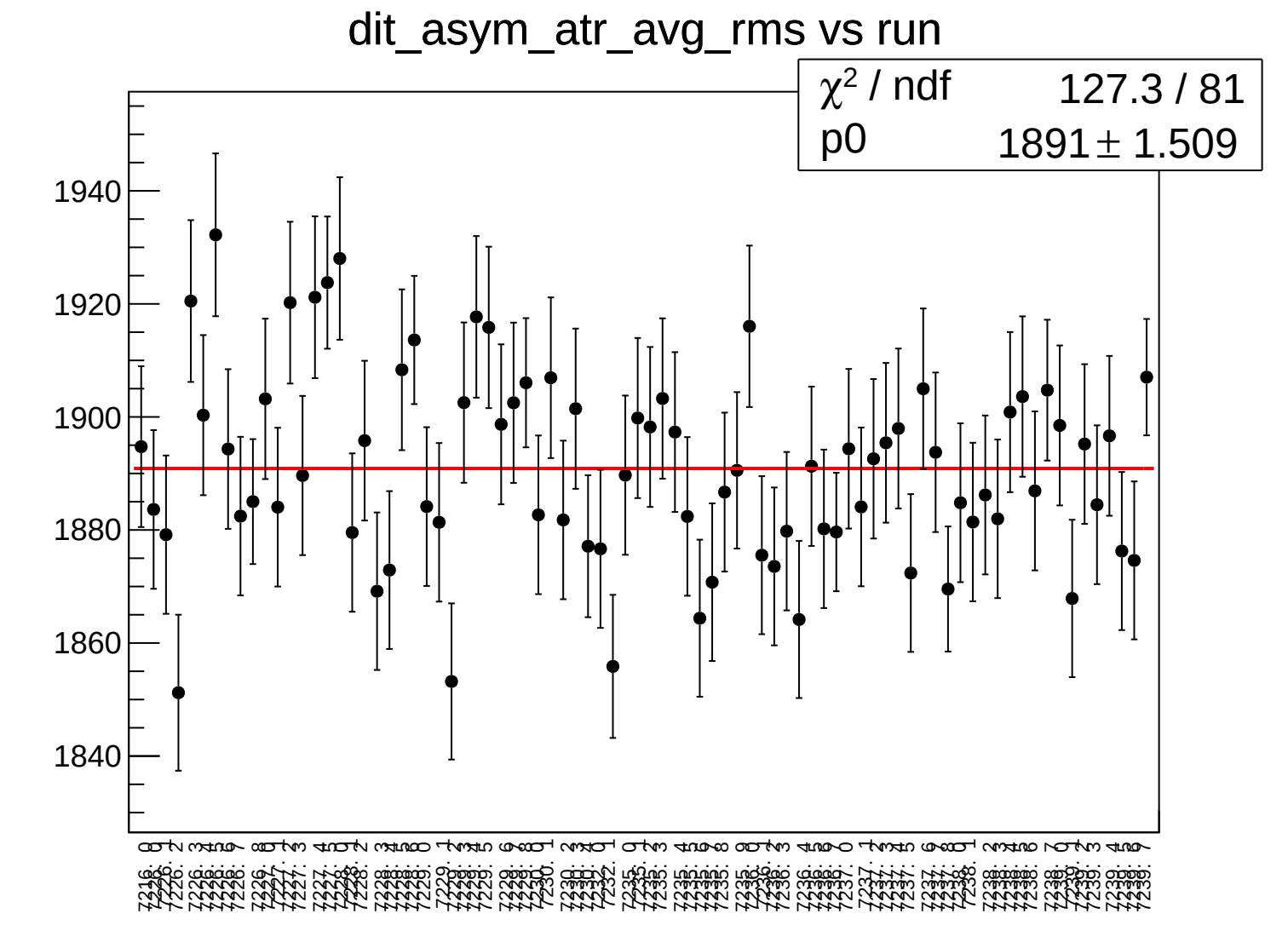

asym_atl_dd_mean vs run
×10^3
χ² / ndf 101.7 / 81
p0 4030 ± 4978
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 163.2
Std Dev 89.29
2
1
0
−1
−2
−3

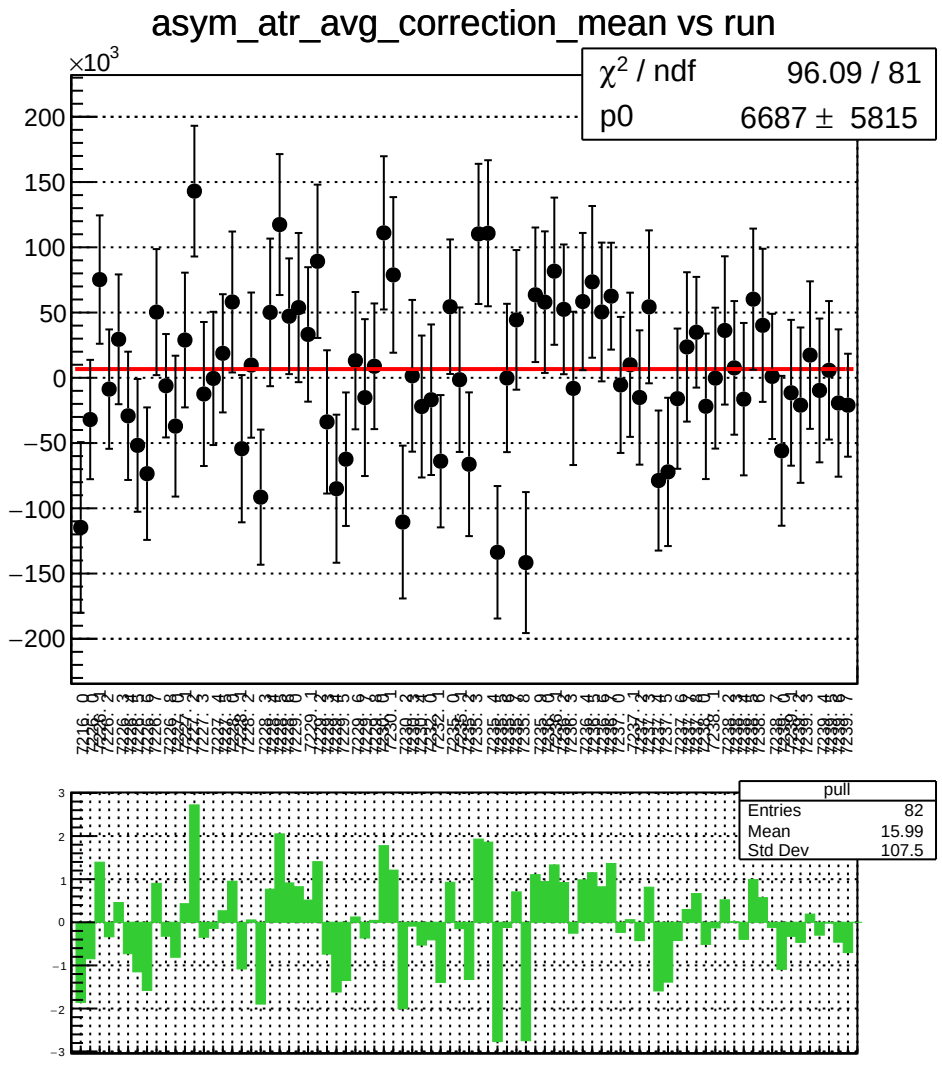

pull1D
Entries 82
Mean −0.008742
Std Dev 1.114
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

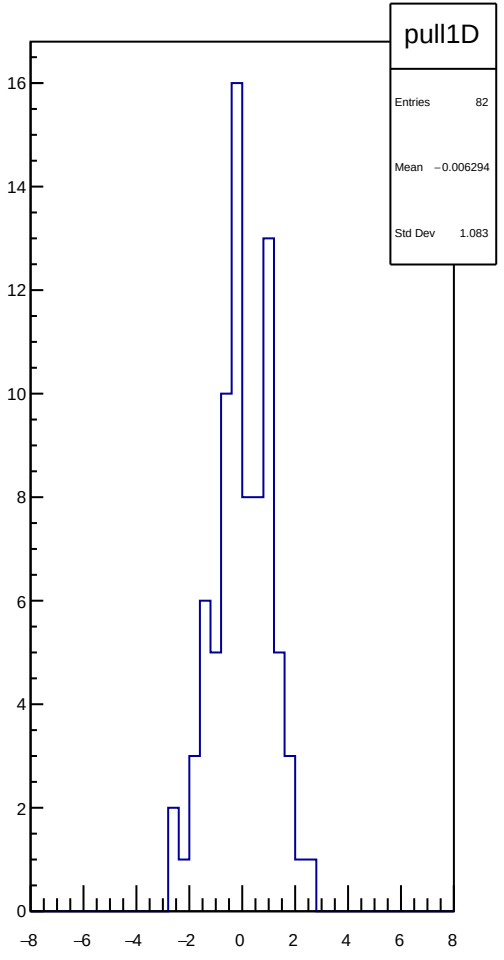

asym_atl_dd_rms vs run
χ² / ndf 8331 / 81
p0 4400 ± 3.52
7000
6500
6000
5500
5000
4500
4000
3500

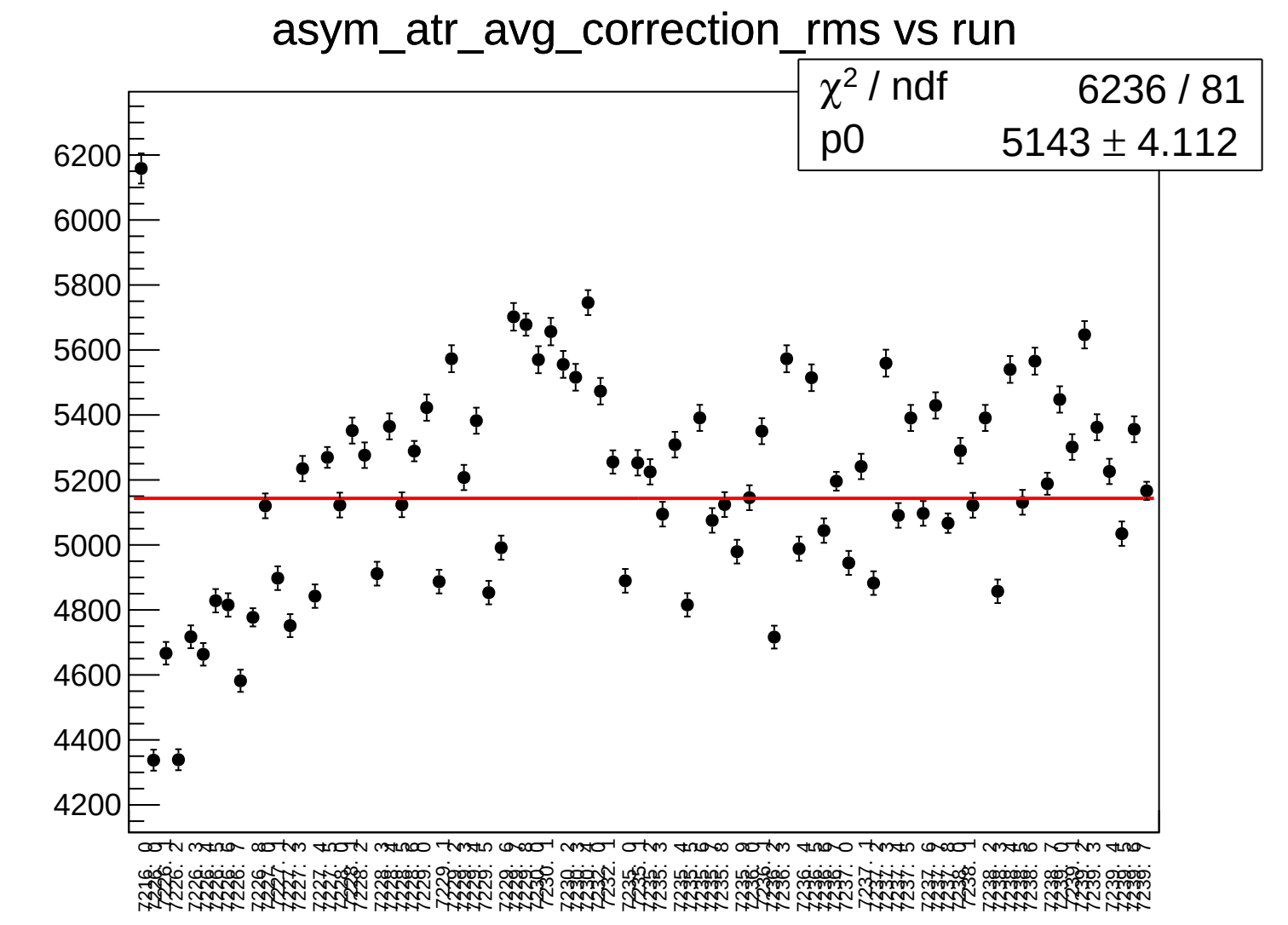

dit_asym_atr_avg_mean vs run
χ² / ndf 81.07 / 81
p0 −4691 ± 2134
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1695
Std Dev 1731
2
1
0
−1
−2

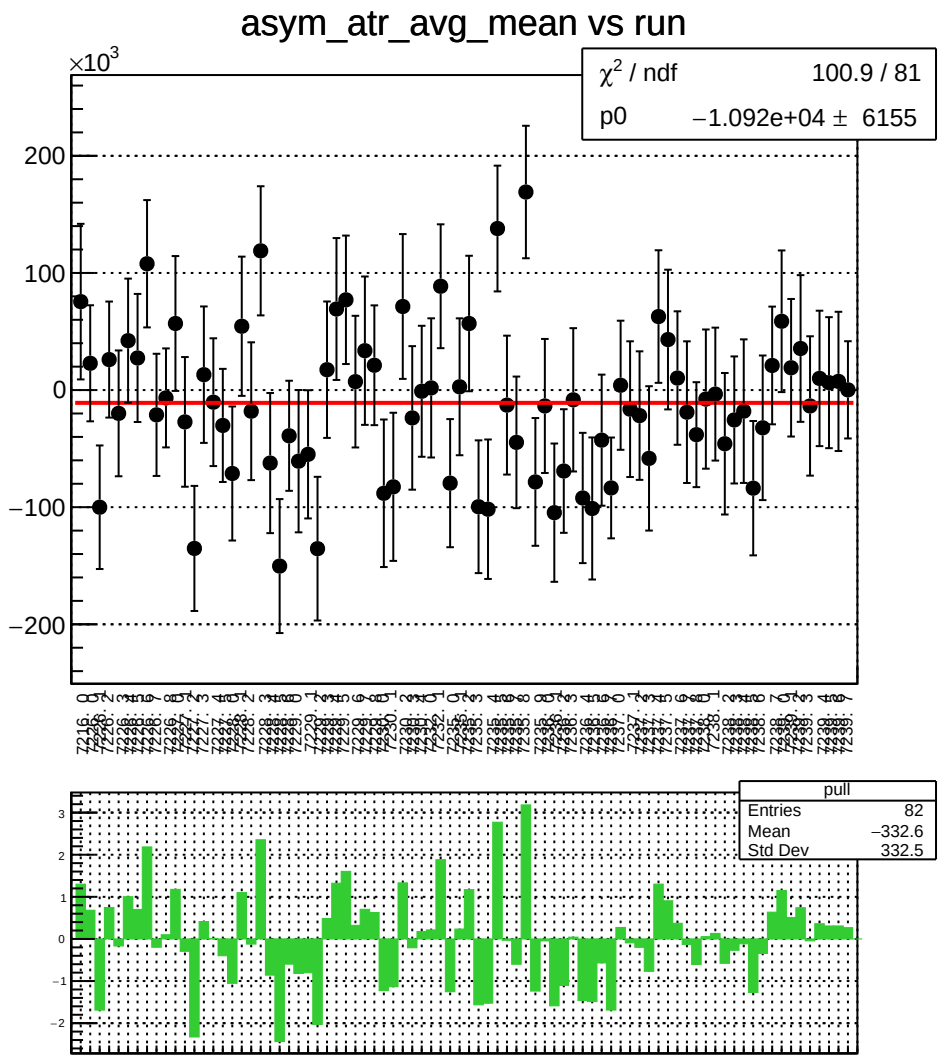

pull1D
Entries 82
Mean 0.001258
Std Dev 0.9943
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

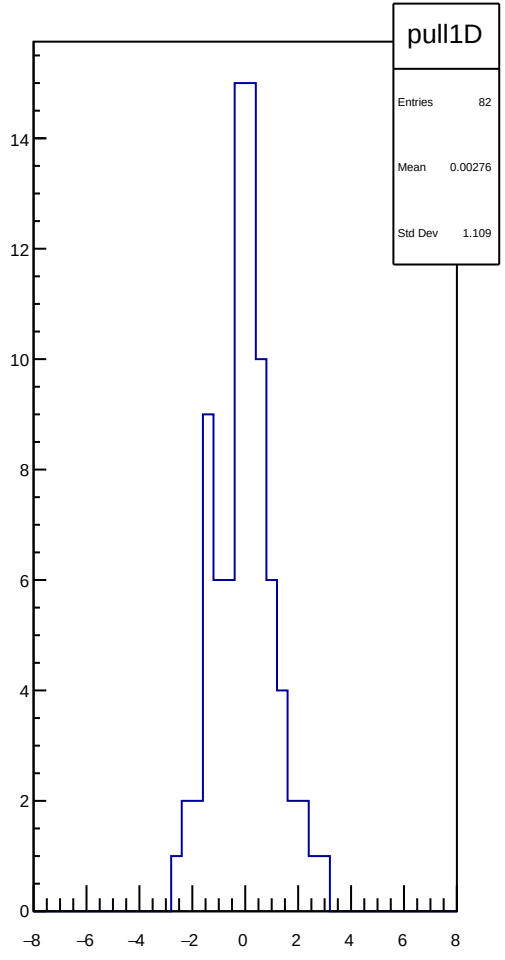

dit_asym_atr_avg_rms vs run
χ² / ndf 127.3 / 81
p0 1891 ± 1.509
1940
1920
1900
1880
1860
1840

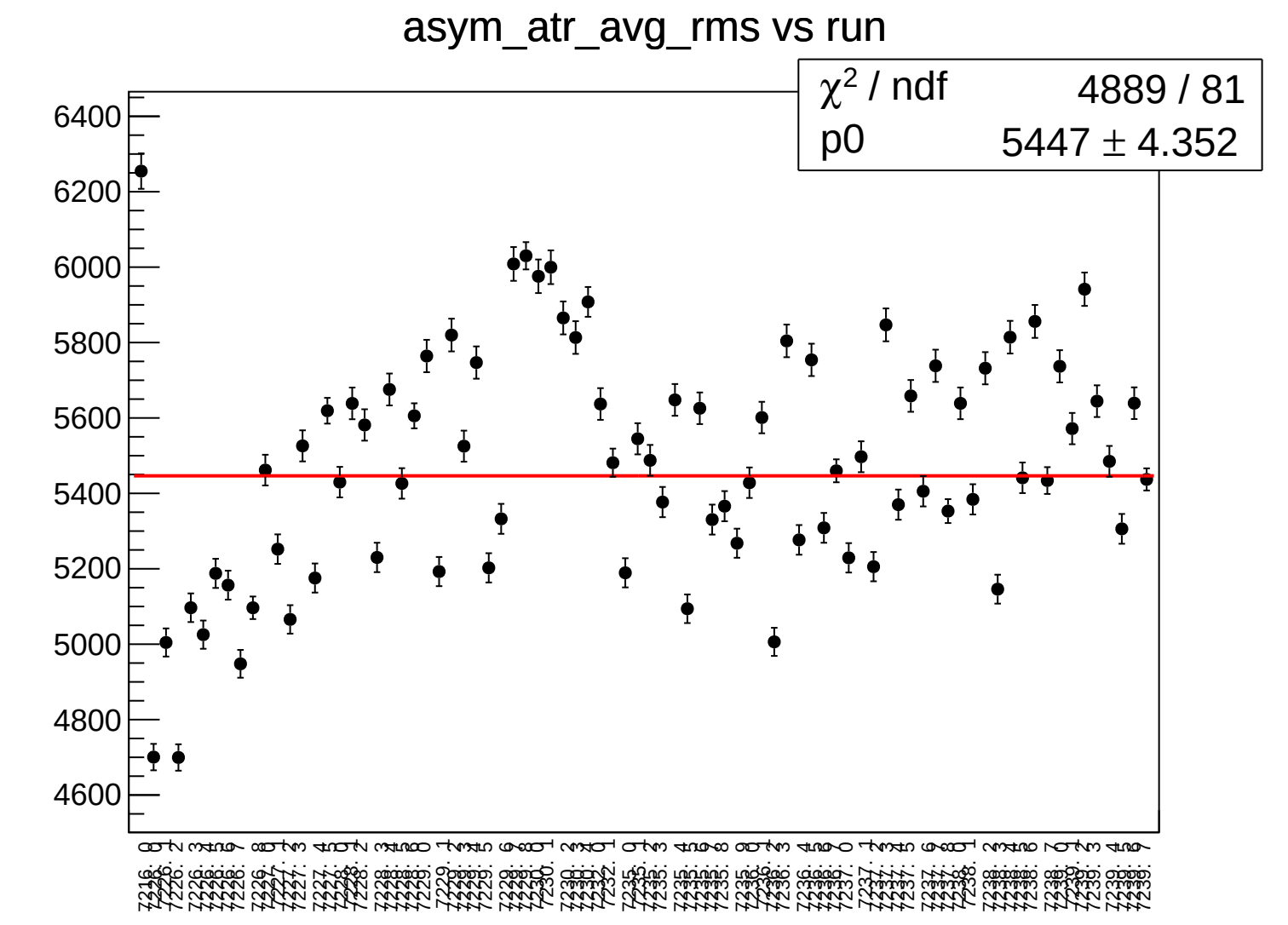

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 96.09 / 81
p0 6687 ± 5815
pull
Entries 82
Mean 15.99
Std Dev 107.5

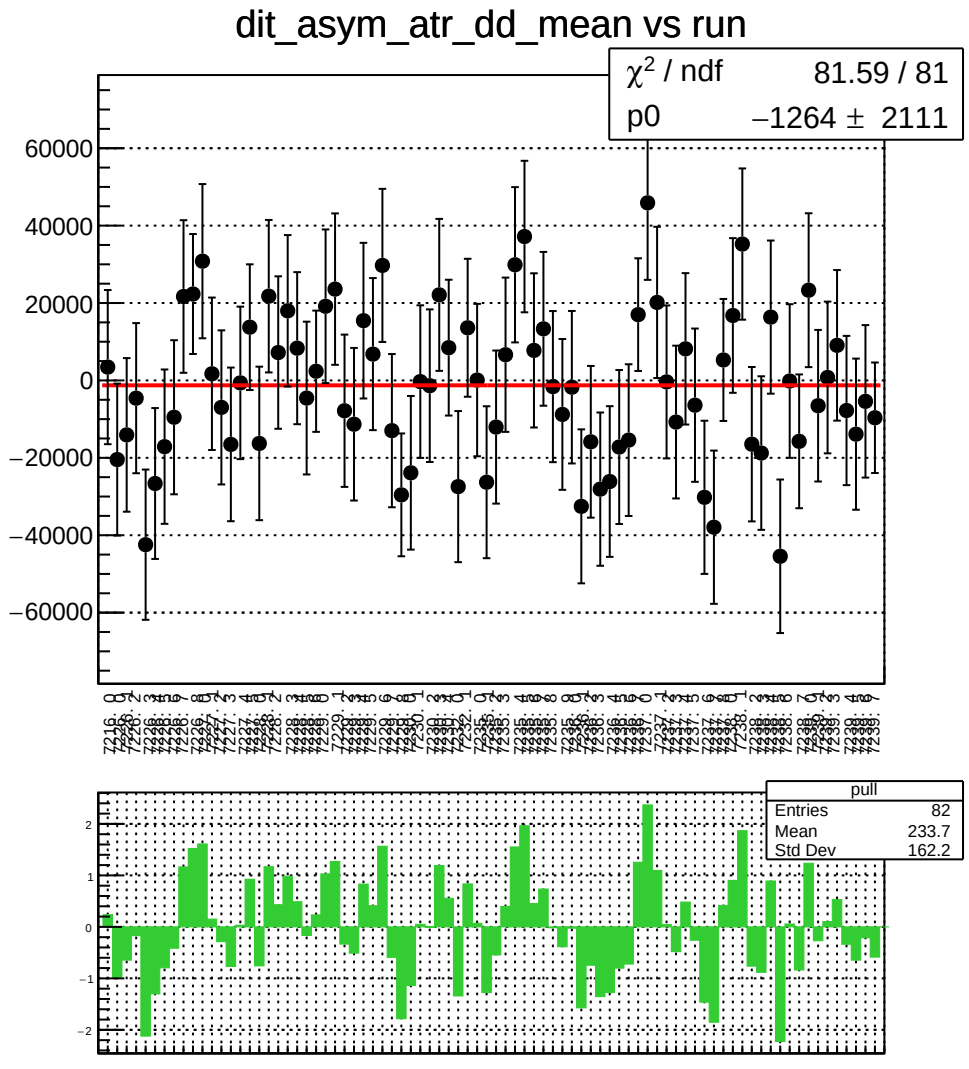

pull1D
Entries 82
Mean −0.006294
Std Dev 1.083

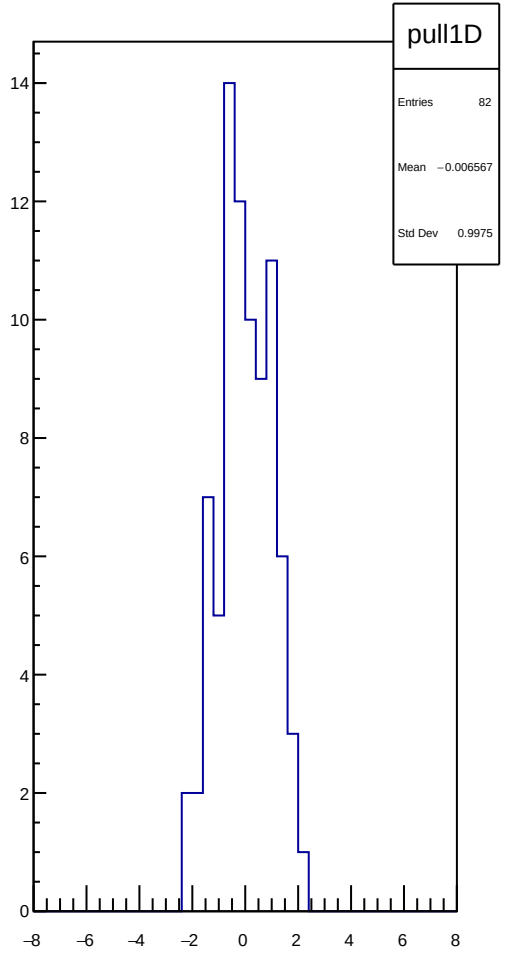

asym_atr_avg_correction_rms vs run
χ^2 / ndf 6236 / 81
p0 5143 ± 4.112
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

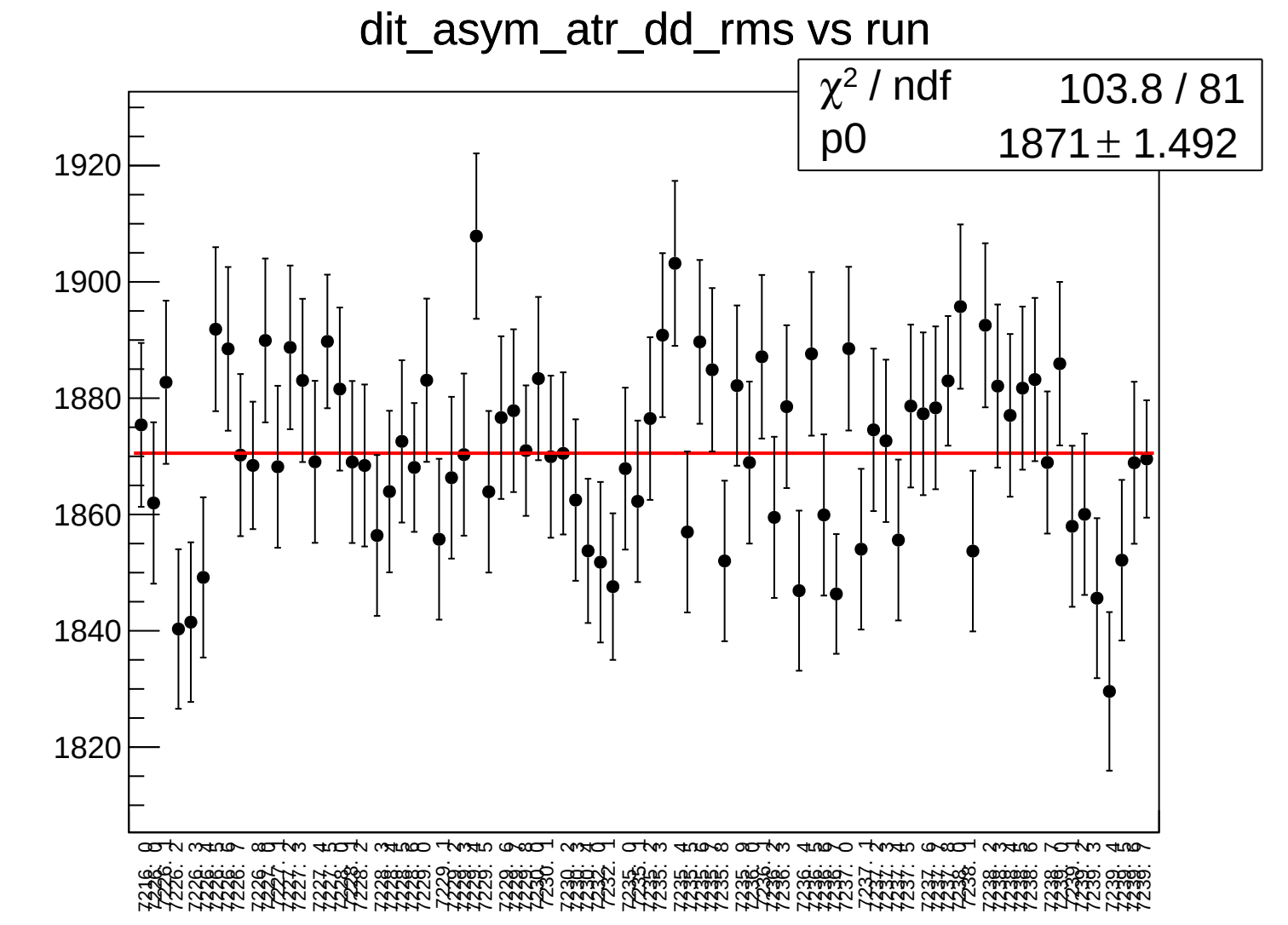

asym_atr_avg_mean vs run
×10^3
χ² / ndf 100.9 / 81
p0 −1.092e+04 ± 6155
200
100
0
−100
−200
pull
Entries 82
Mean −332.6
Std Dev 332.5
3
2
1
0
−1
−2

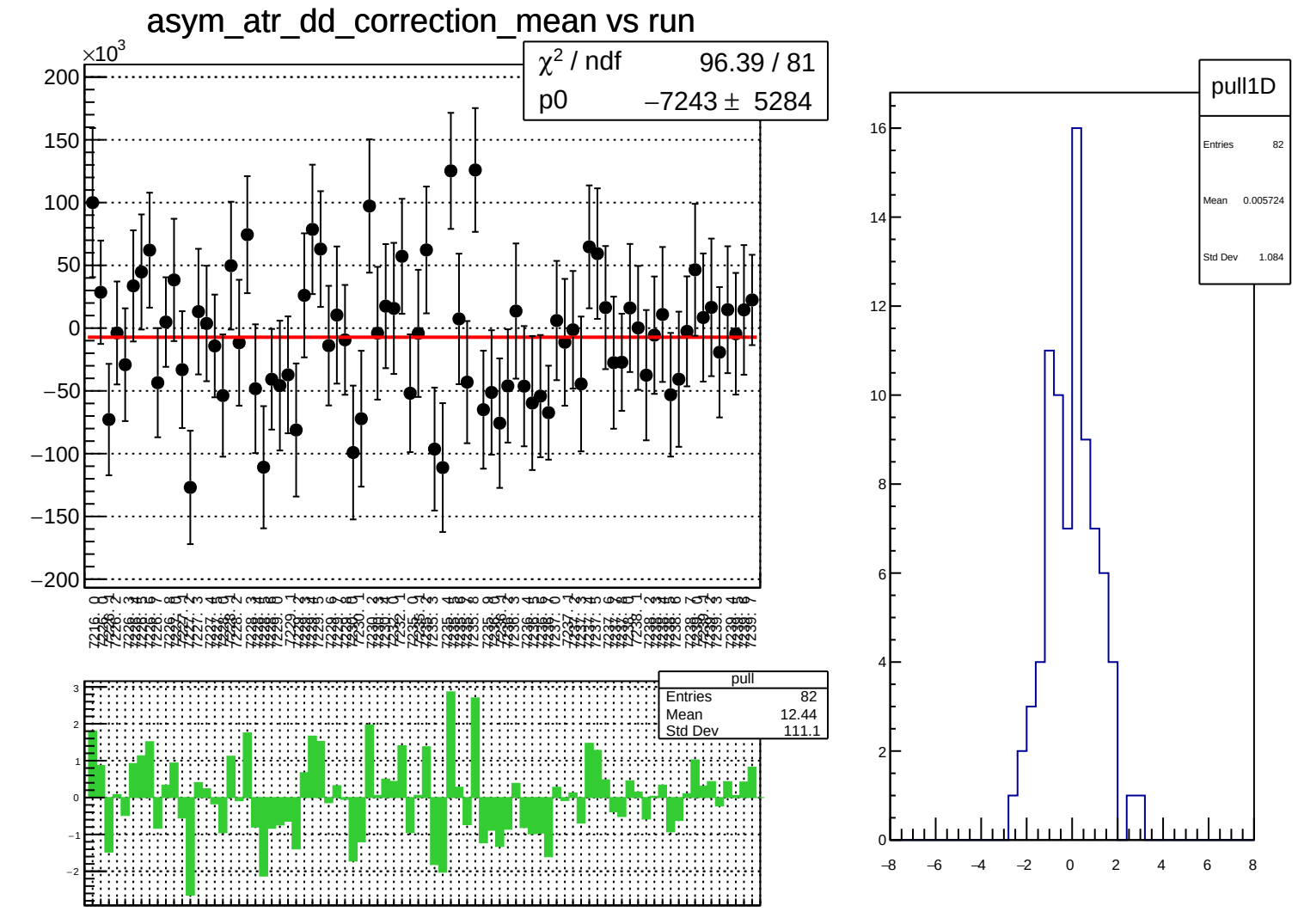

pull1D
Entries 82
Mean 0.00276
Std Dev 1.109
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

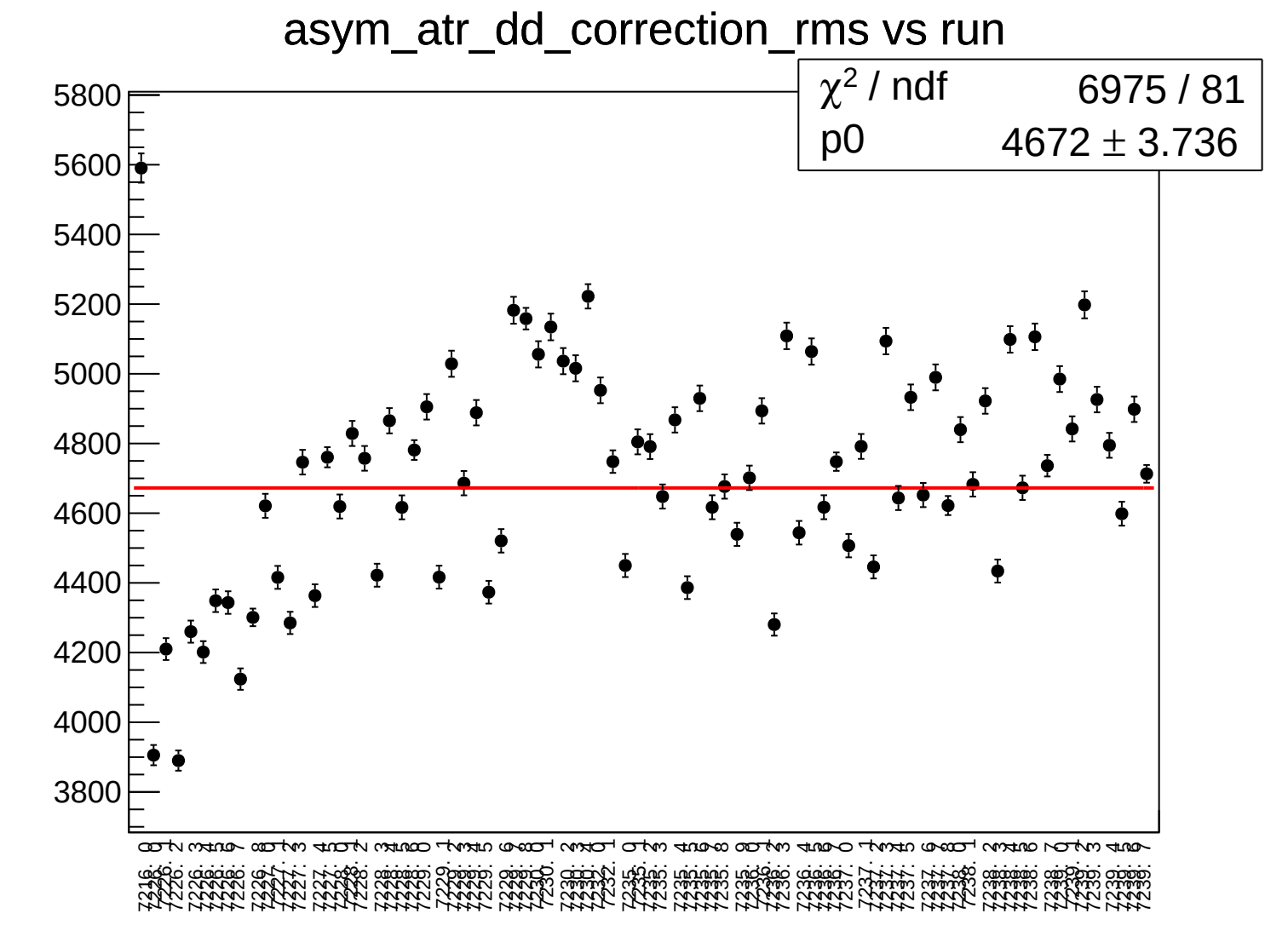

asym_atr_avg_rms vs run
χ² / ndf 4889 / 81
p0 5447 ± 4.352
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

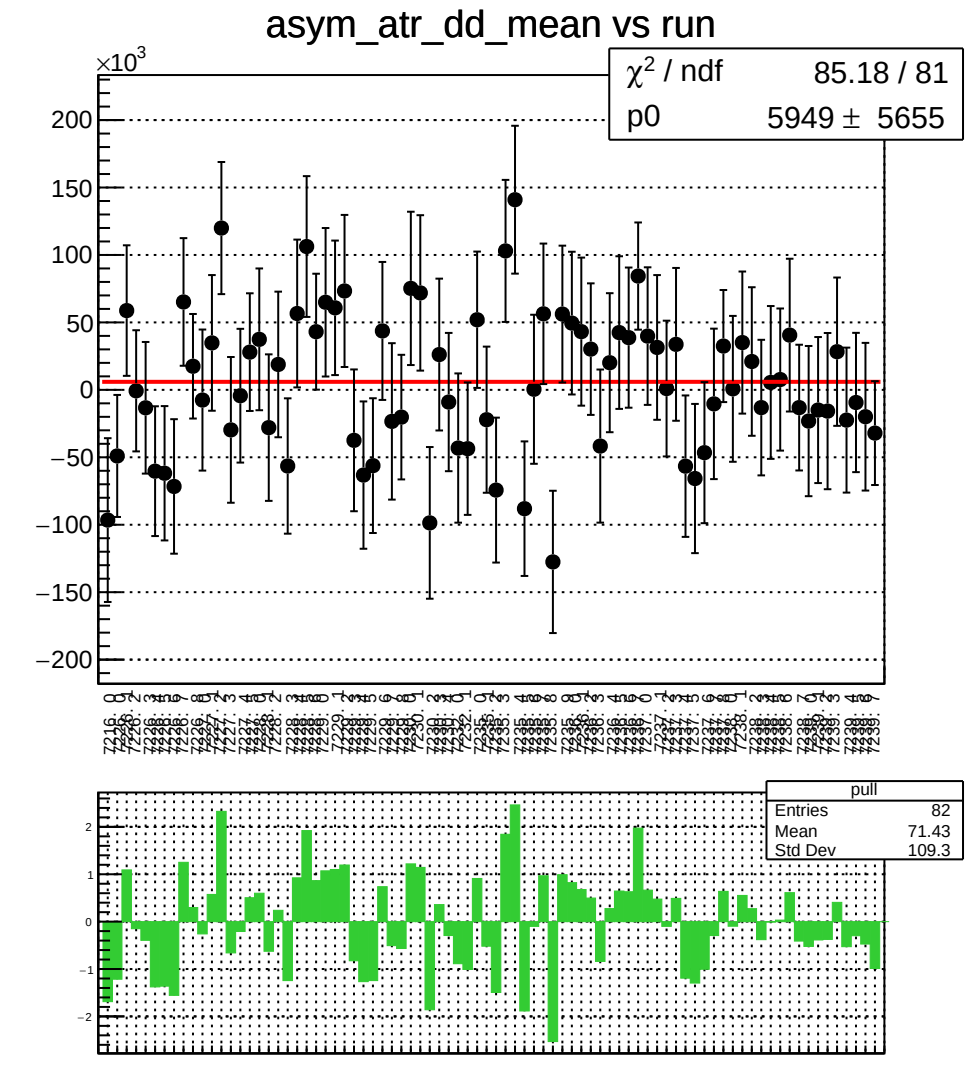

dit_asym_atr_dd_mean vs run
χ² / ndf 81.59 / 81
p0 −1264 ± 2111
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 233.7
Std Dev 162.2
2
1
0
−1
−2

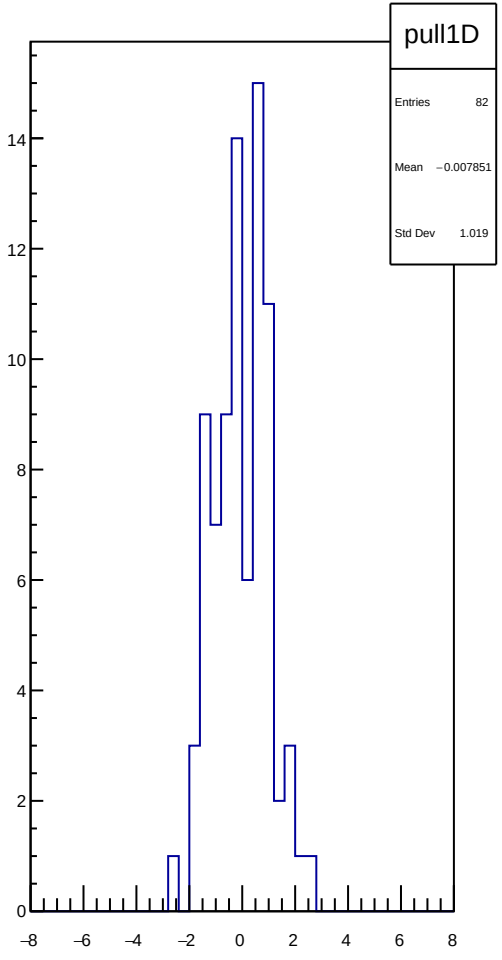

pull1D
Entries 82
Mean −0.006567
Std Dev 0.9975
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

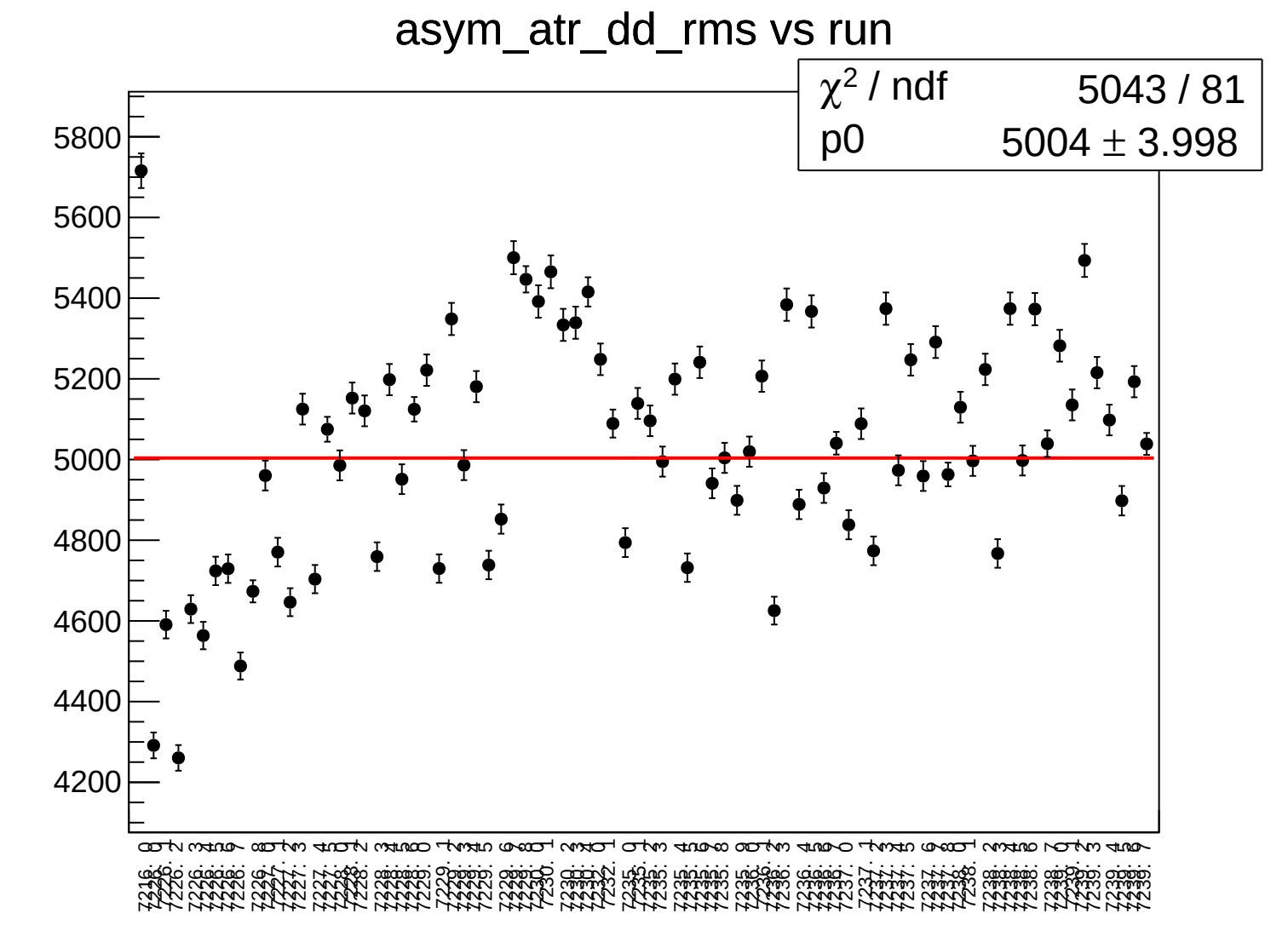

dit_asym_atr_dd_rms vs run
χ^2 / ndf 103.8 / 81
p0 1871 ± 1.492
1920
1900
1880
1860
1840
1820

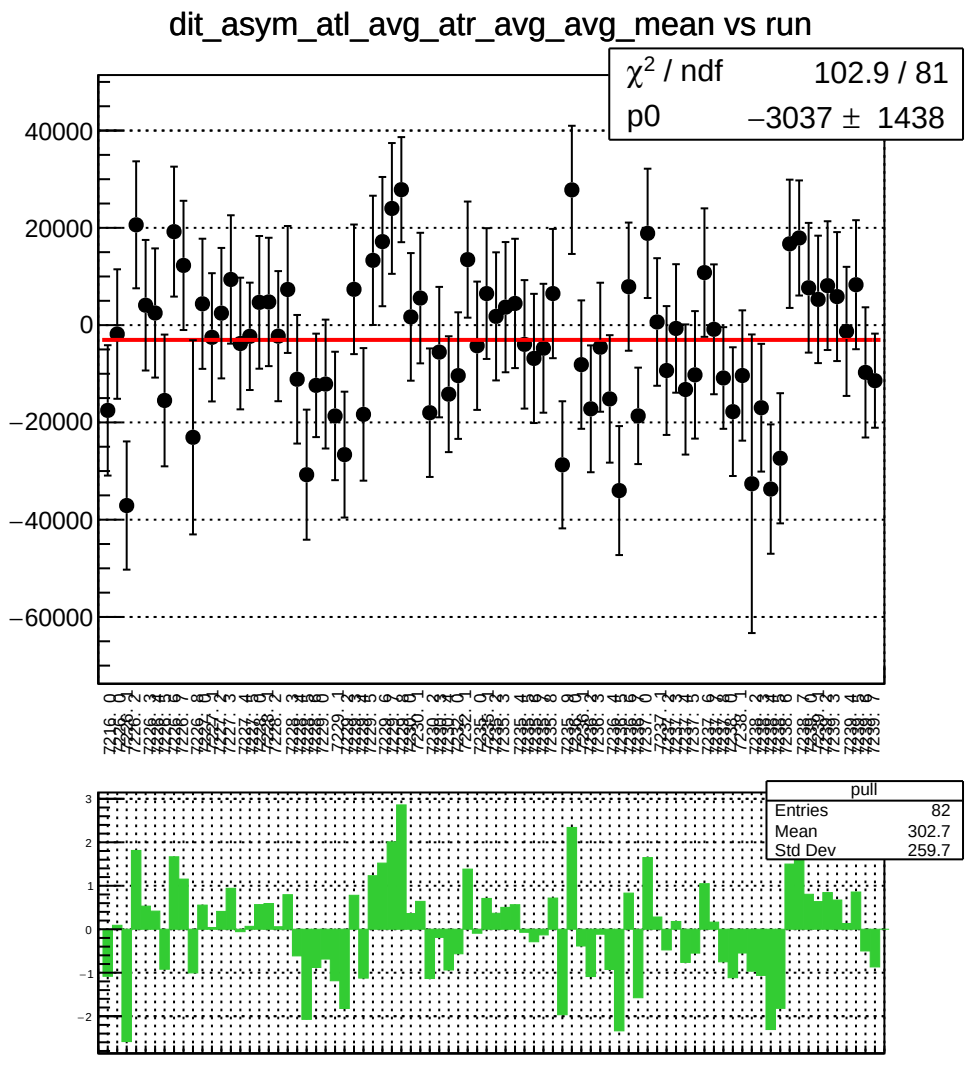

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 96.39 / 81
p0 −7243 ± 5284
pull
Entries 82
Mean 12.44
Std Dev 111.1
pull1D
Entries 82
Mean 0.005724
Std Dev 1.084

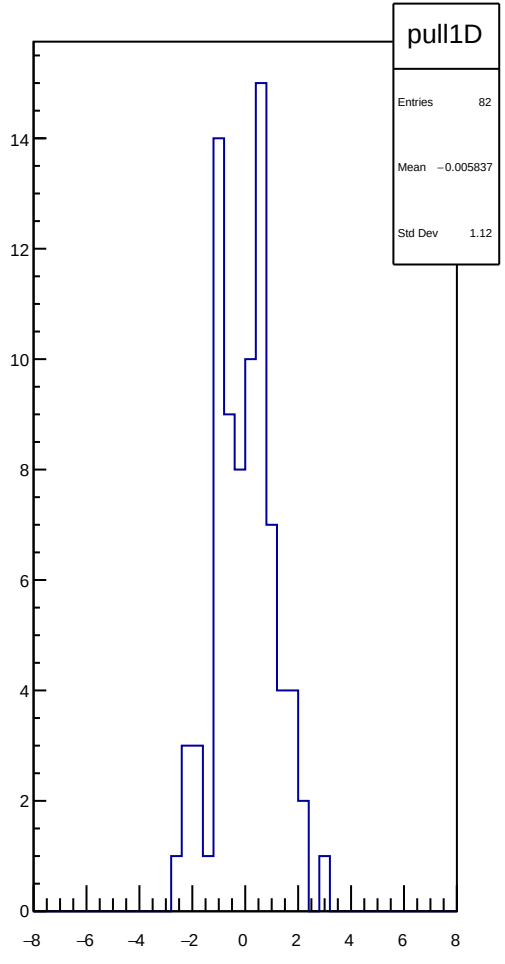

asym_atr_dd_correction_rms vs run
χ² / ndf 6975 / 81
p0 4672 ± 3.736
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

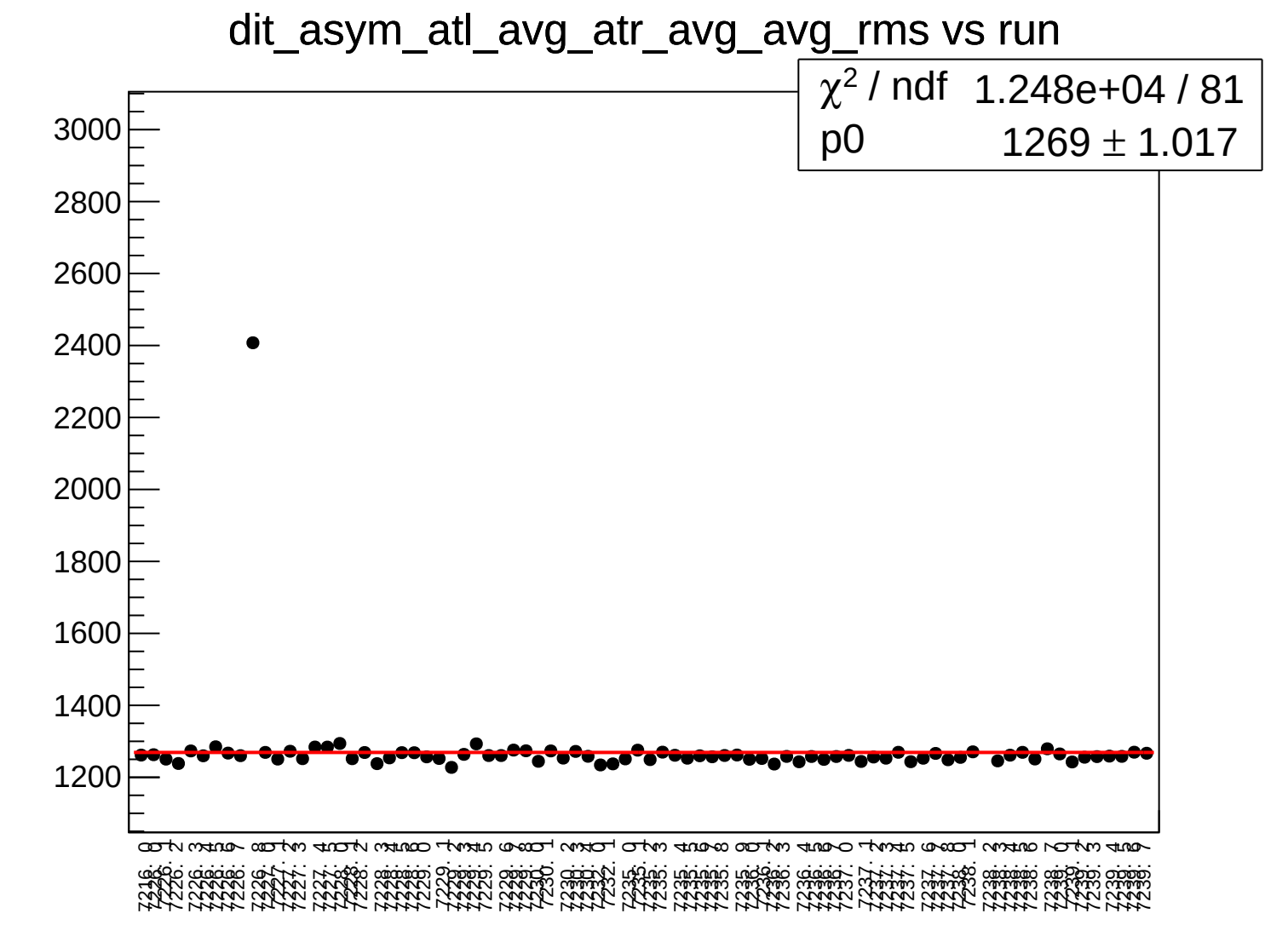

asym_atr_dd_mean vs run
×10^3
χ² / ndf 85.18 / 81
p0 5949 ± 5655
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 71.43
Std Dev 109.3
2
1
0
−1
−2

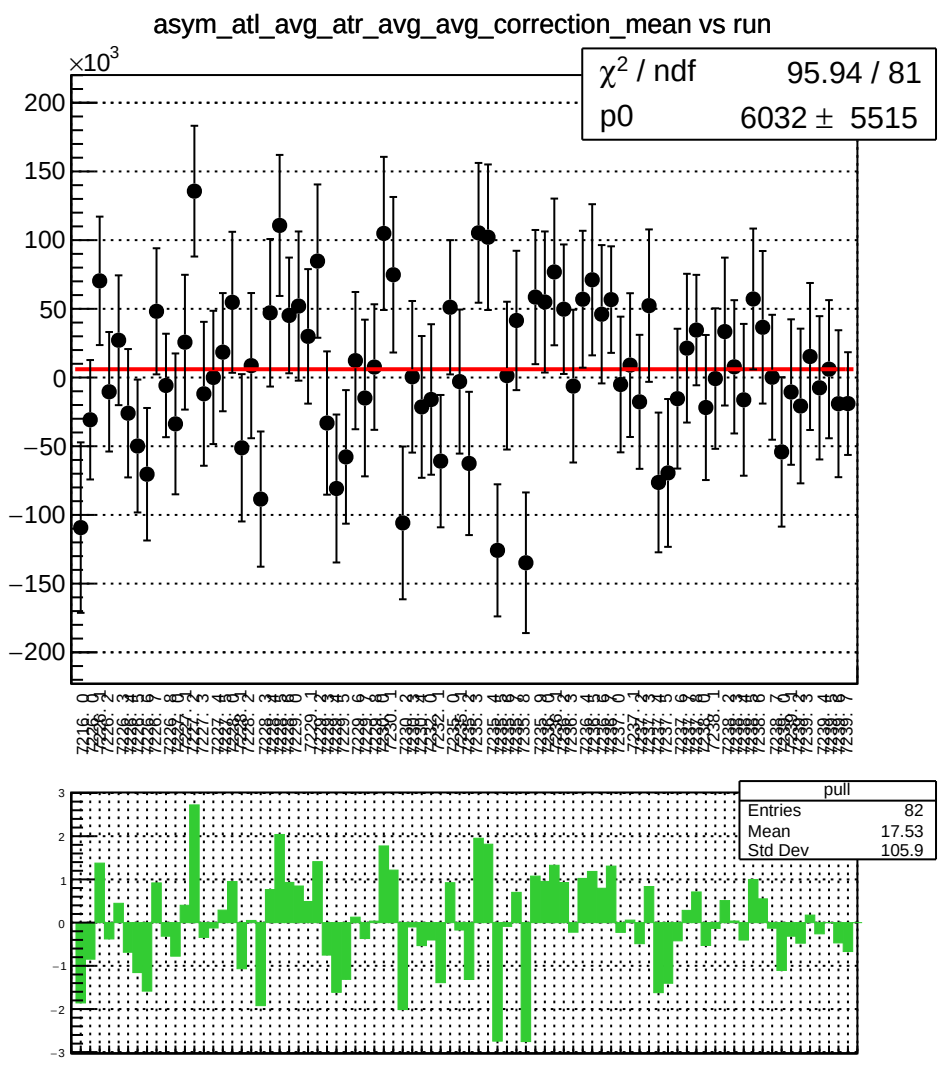

pull1D
Entries 82
Mean −0.007851
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

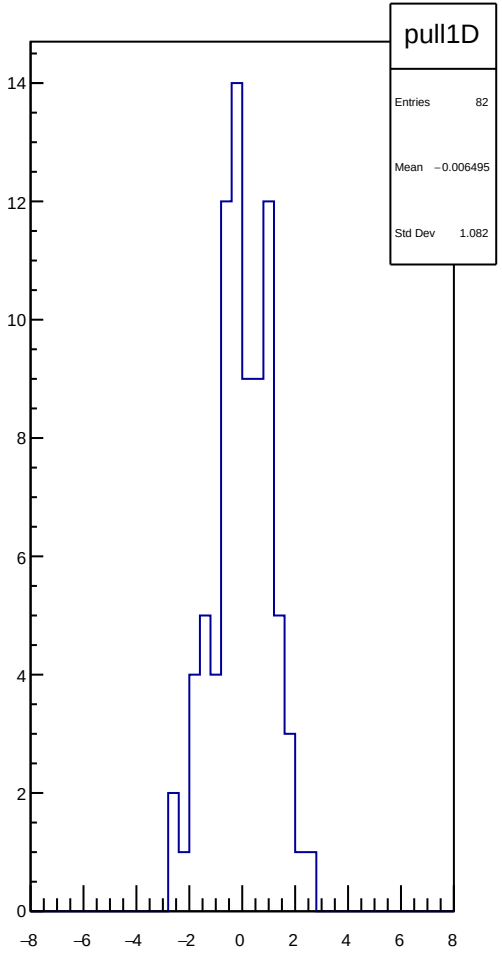

asym_atr_dd_rms vs run
χ² / ndf 5043 / 81
p0 5004 ± 3.998
5800
5600
5400
5200
5000
4800
4600
4400
4200

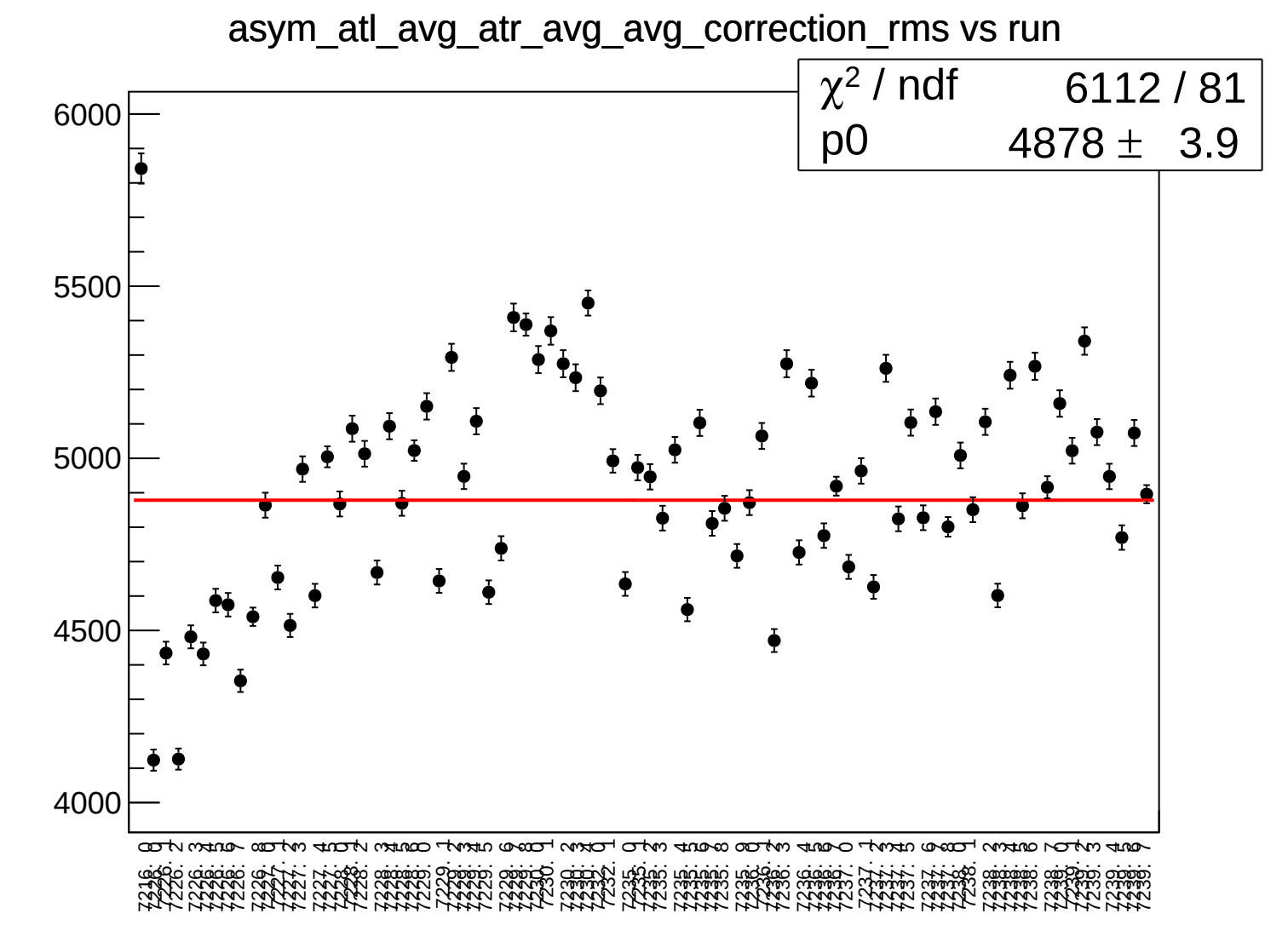

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 102.9 / 81
p0 −3037 ± 1438
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 302.7
Std Dev 259.7
3
2
1
0
−1
−2

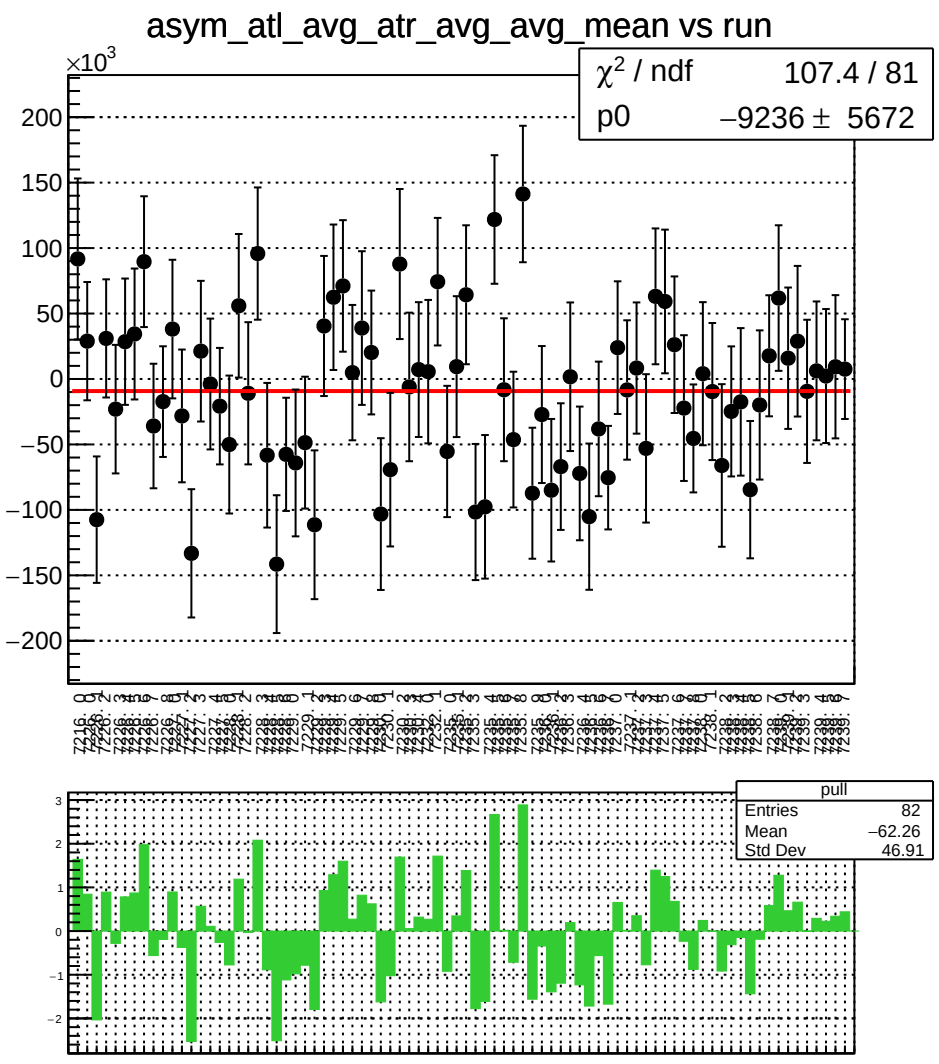

pull1D
Entries 82
Mean −0.005837
Std Dev 1.12
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

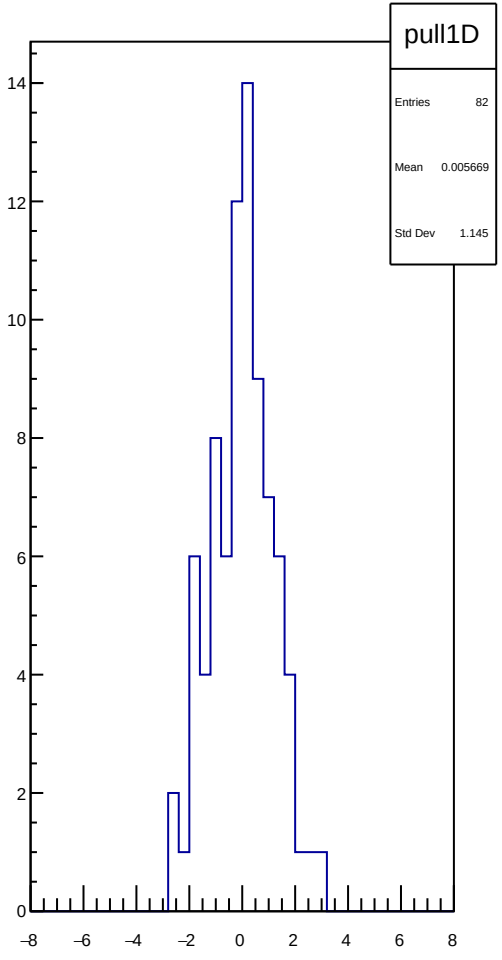

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.248e+04 / 81
p0 1269 ± 1.017
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

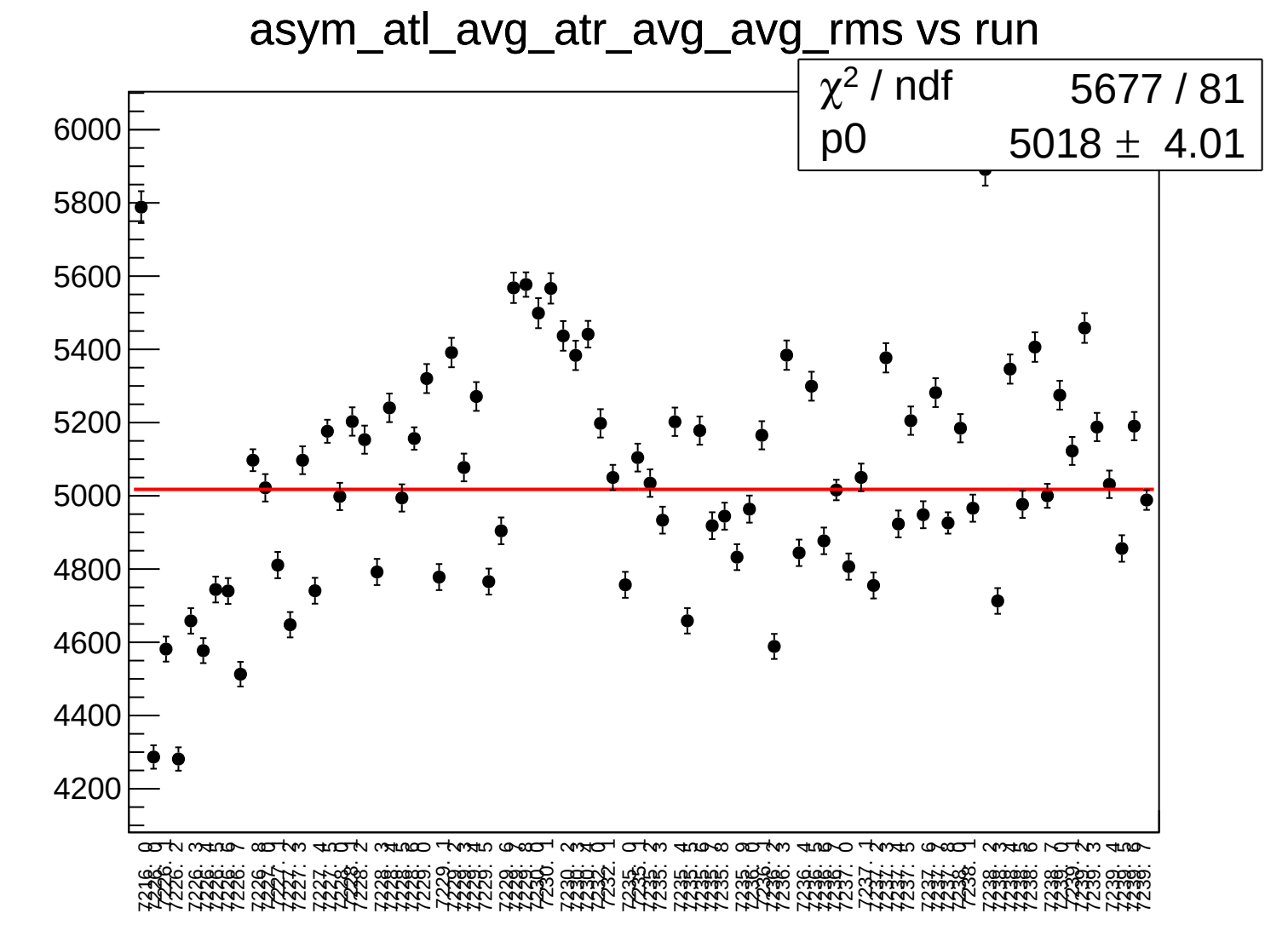

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 95.94 / 81
p0 6032 ± 5515
pull
Entries 82
Mean 17.53
Std Dev 105.9

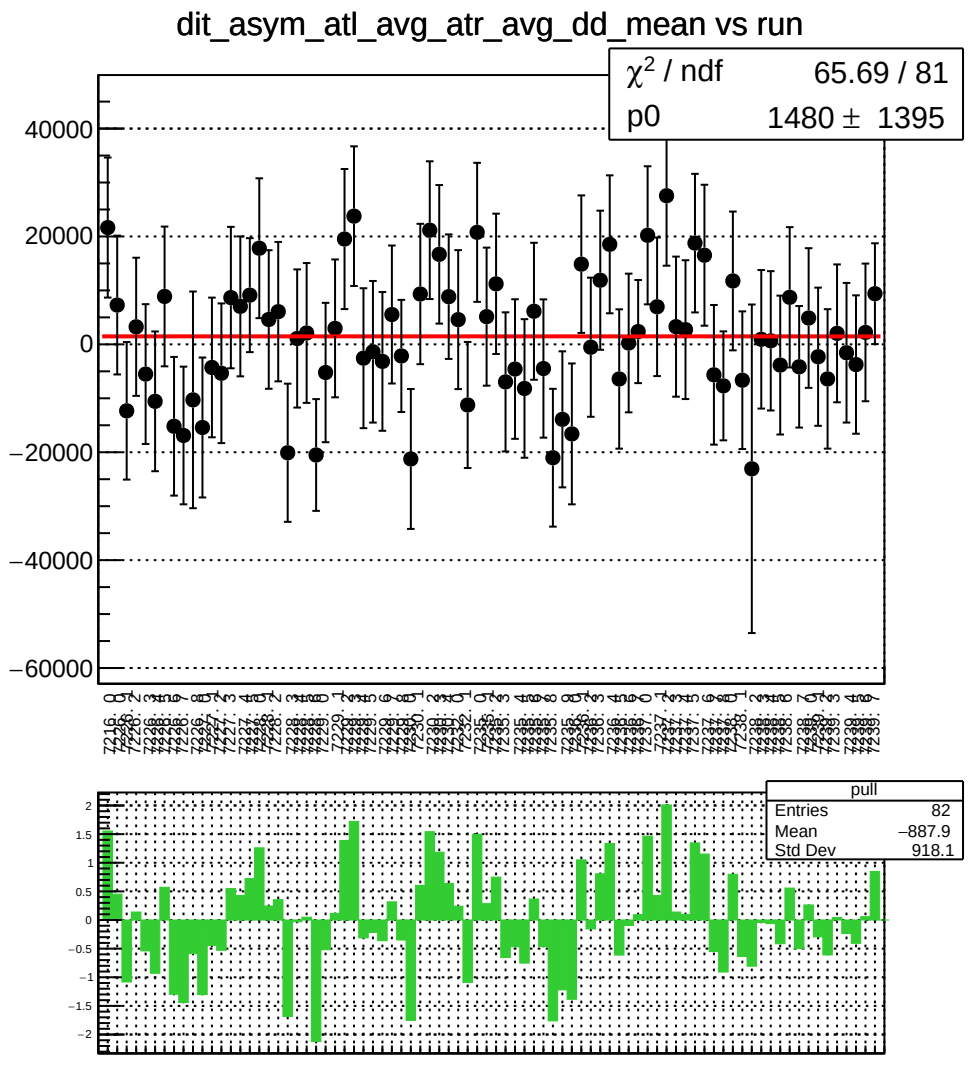

pull1D
Entries 82
Mean −0.006495
Std Dev 1.082

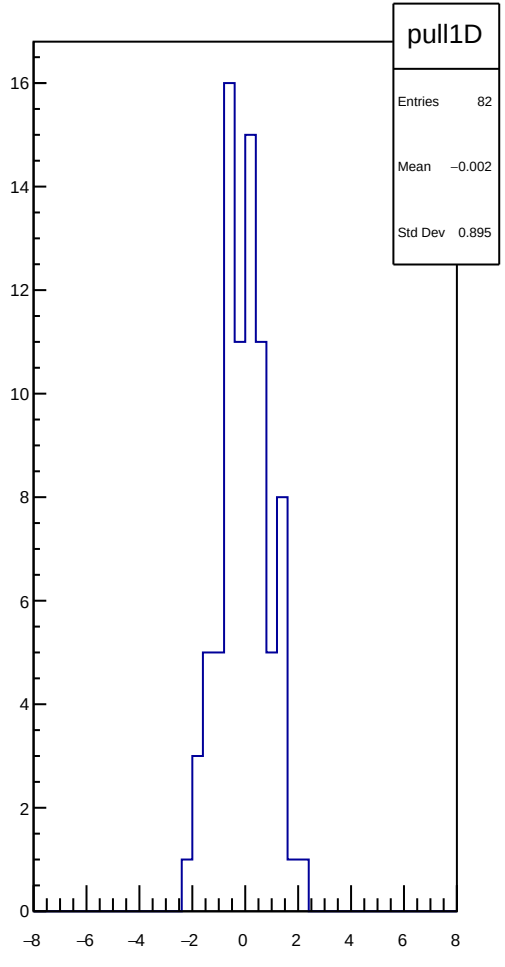

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 6112 / 81
p0 4878 ± 3.9
6000
5500
5000
4500
4000

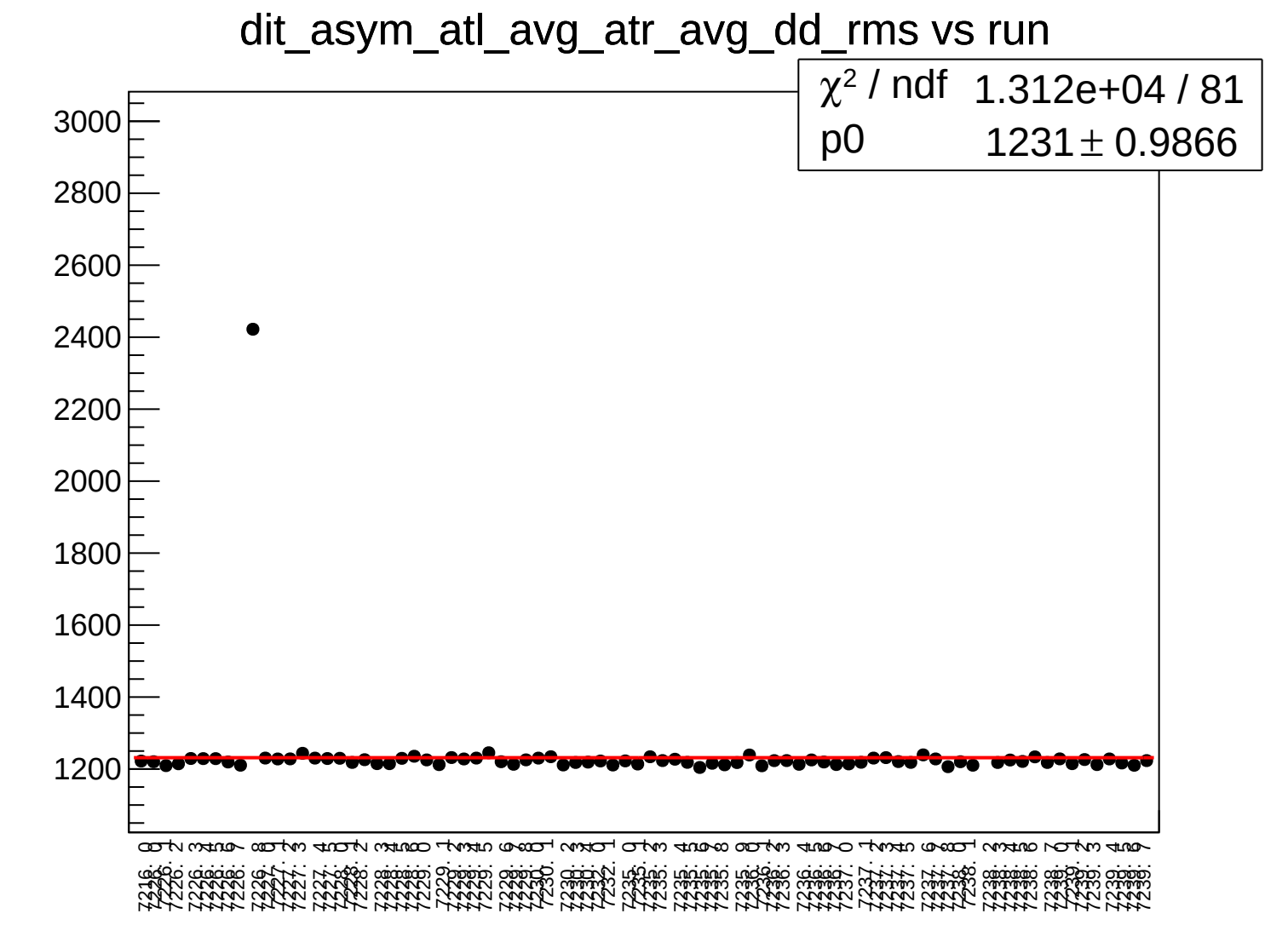

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 107.4 / 81
p0 −9236 ± 5672
pull
Entries 82
Mean −62.26
Std Dev 46.91

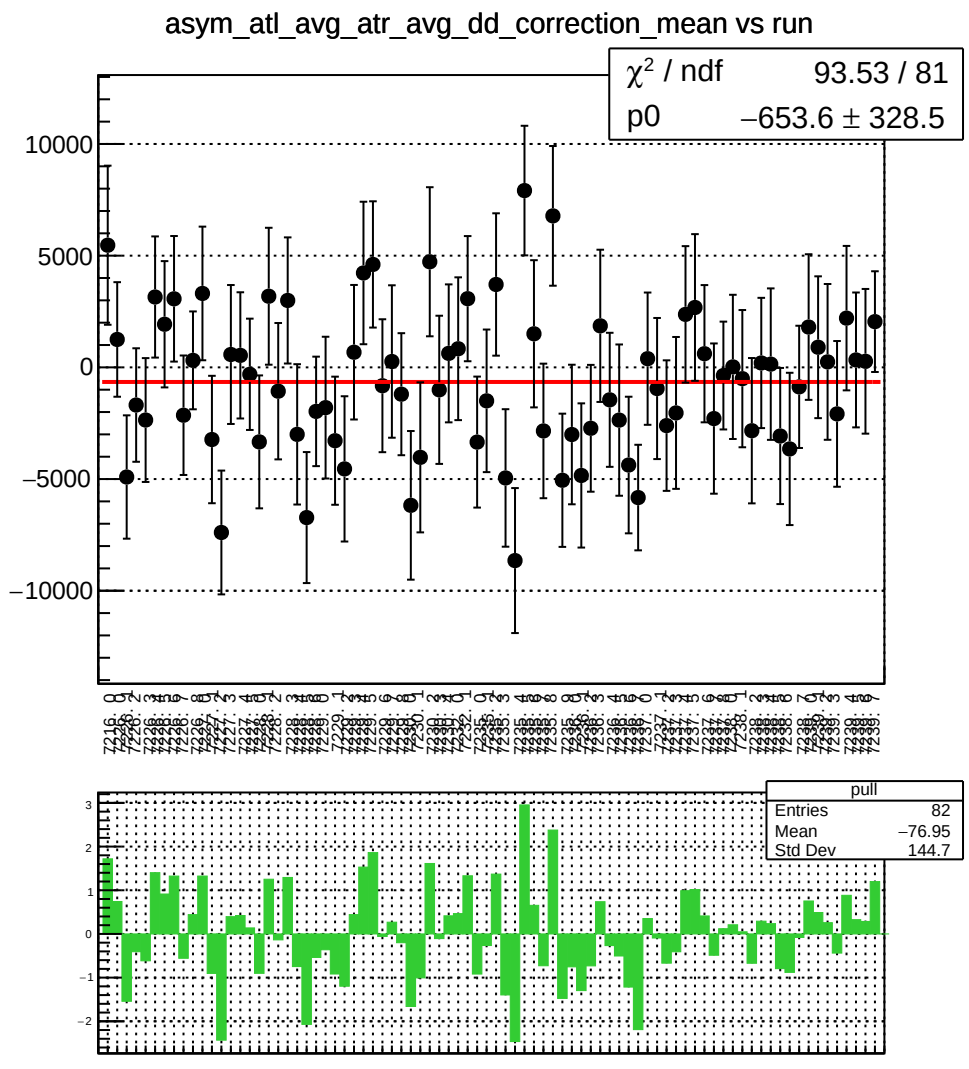

pull1D
Entries 82
Mean 0.005669
Std Dev 1.145

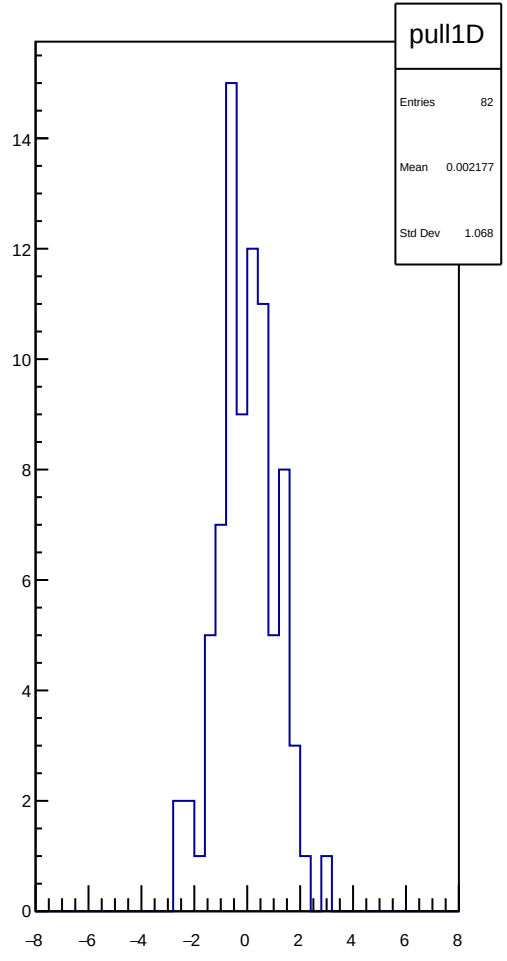

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5677 / 81
p0 5018 ± 4.01
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

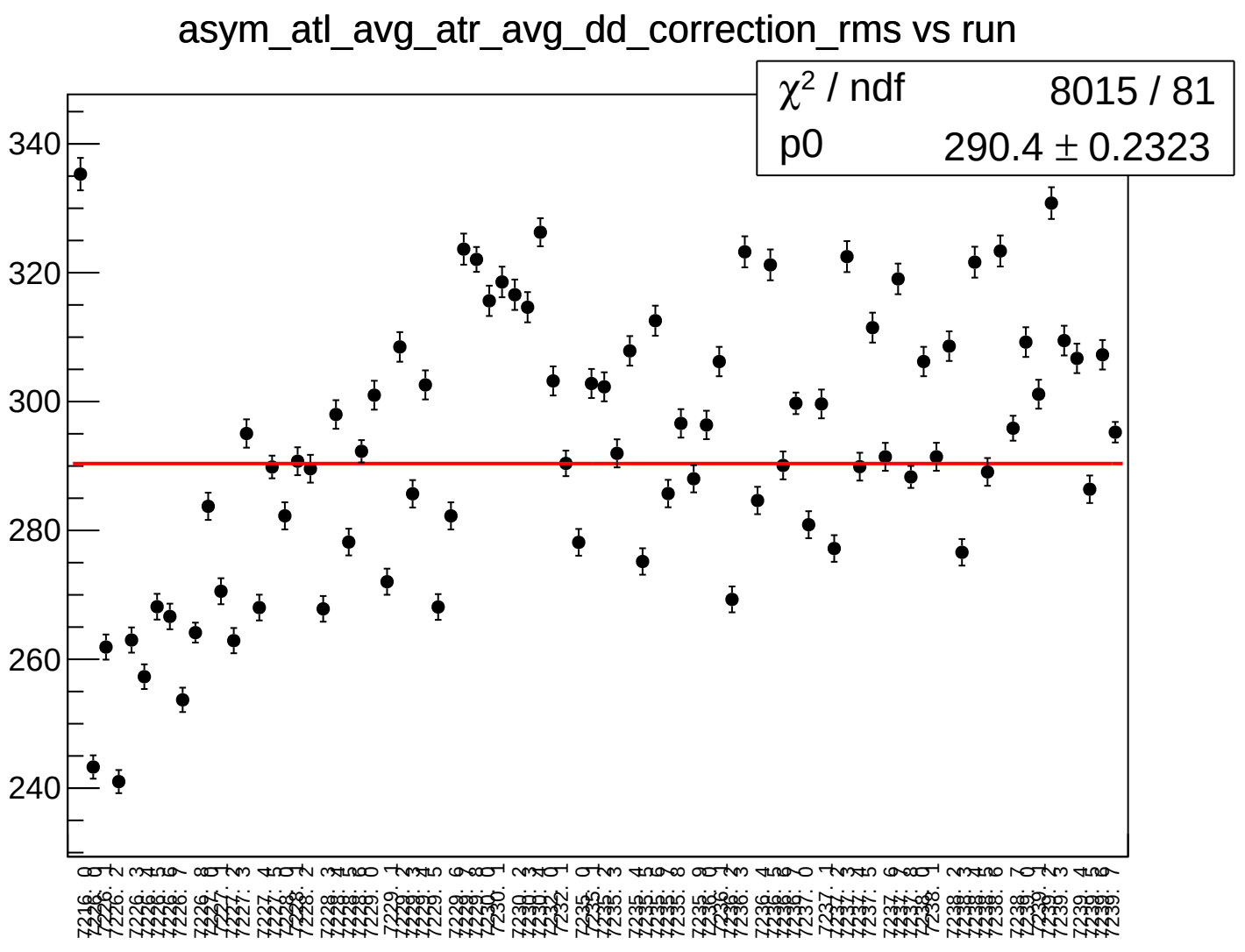

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 65.69 / 81
p0 1480 ± 1395
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −887.9
Std Dev 918.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

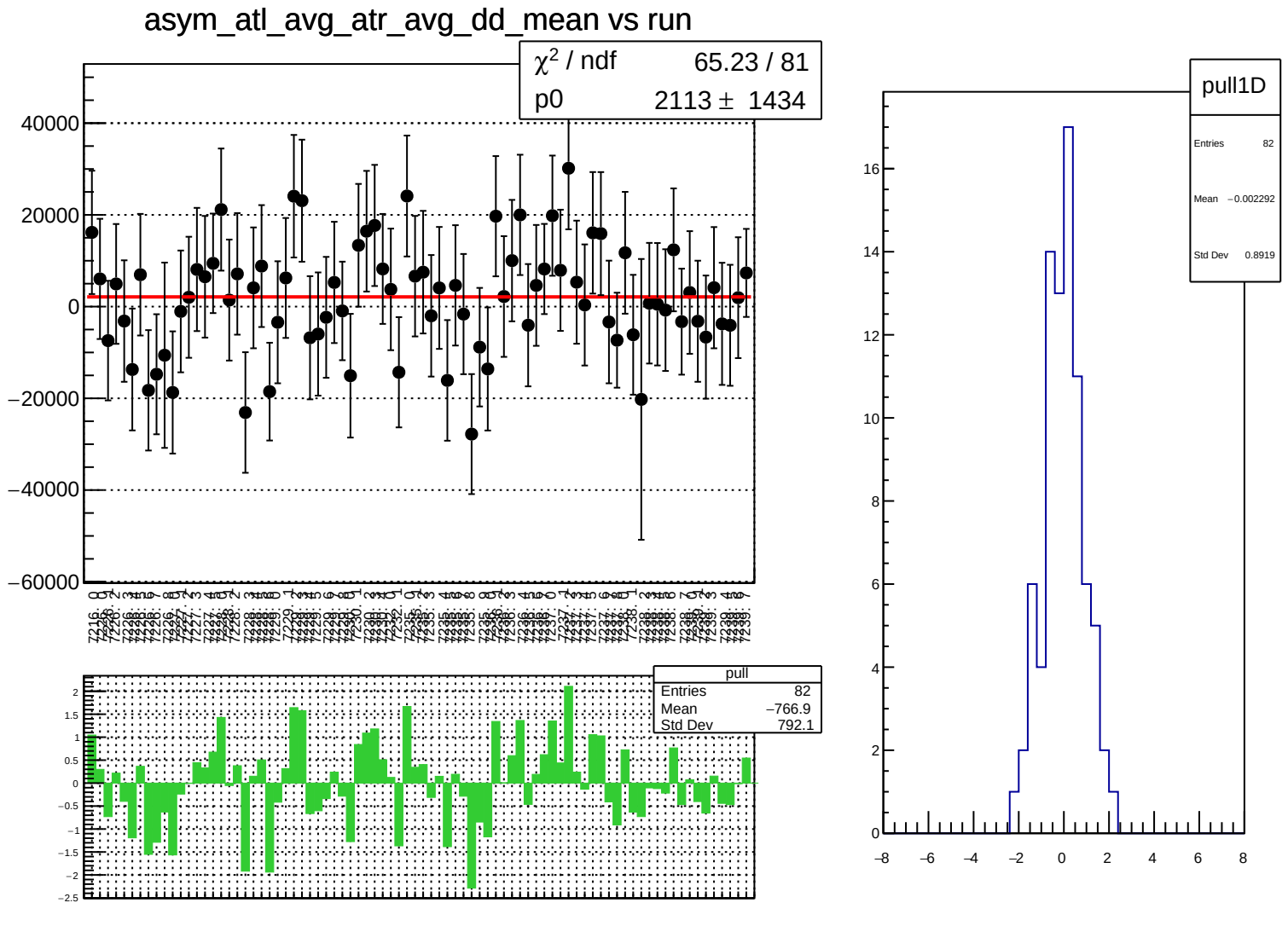

pull1D
Entries 82
Mean −0.002
Std Dev 0.895
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

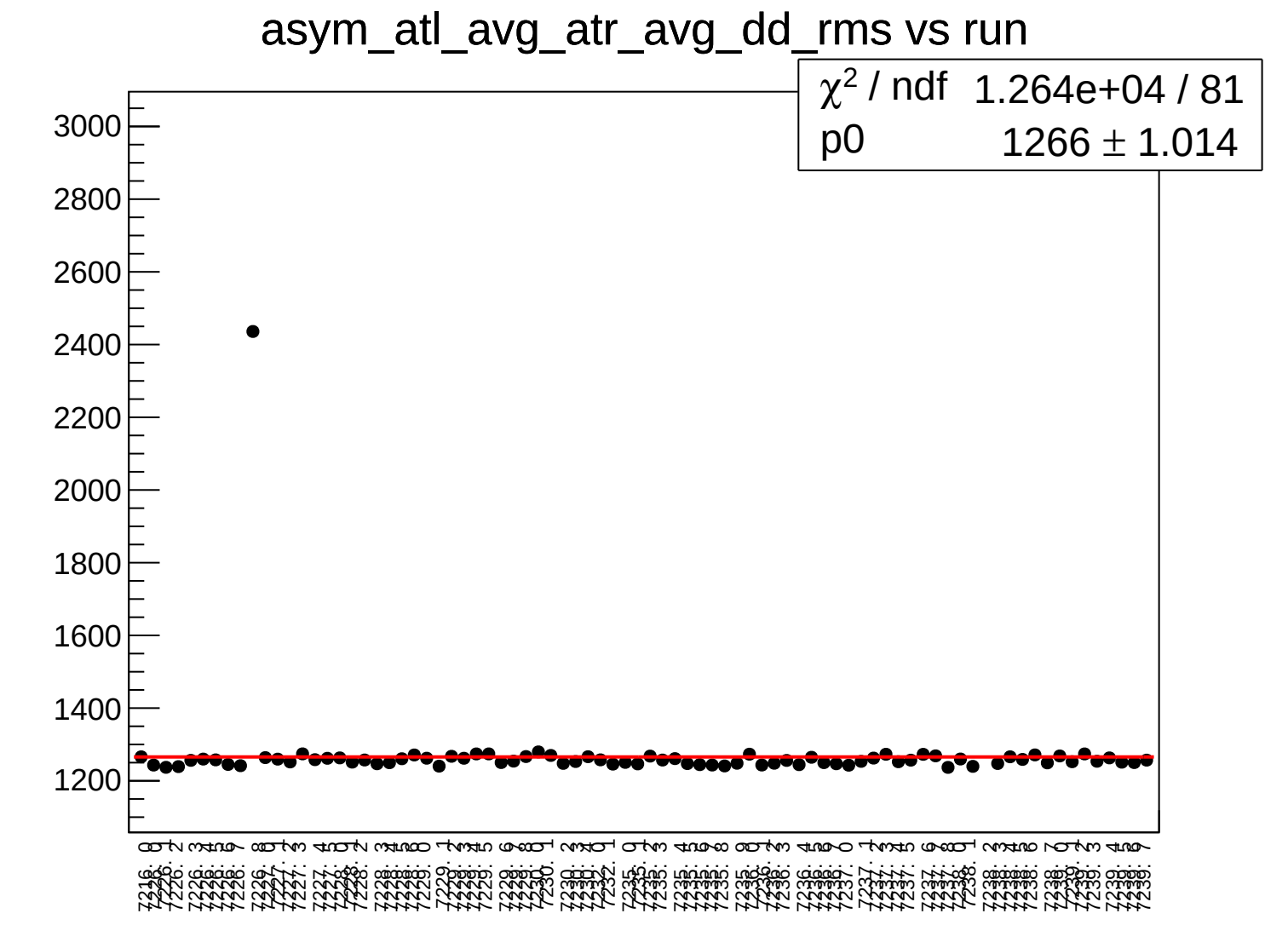

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.312e+04 / 81
p0 1231 ± 0.9866
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

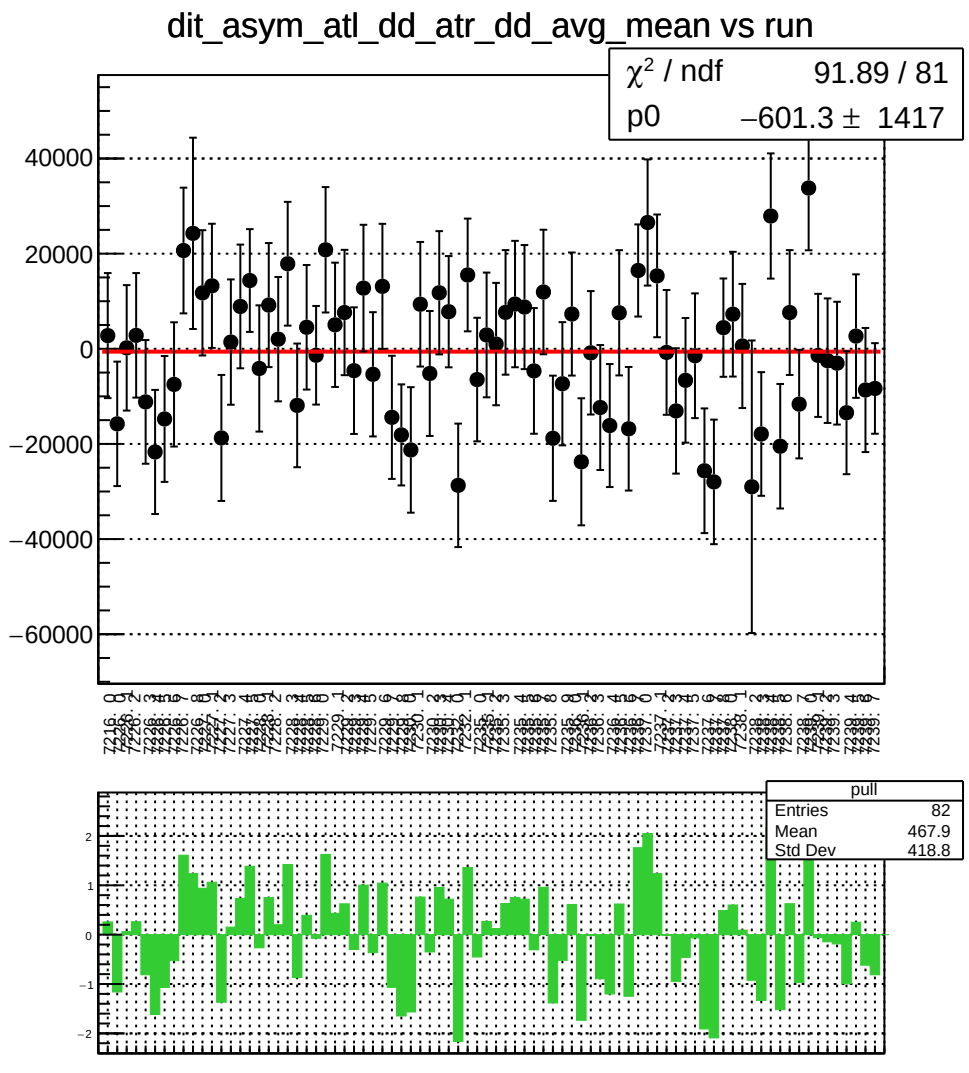

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 93.53 / 81
p0 −653.6 ± 328.5
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −76.95
Std Dev 144.7
3
2
1
0
−1
−2

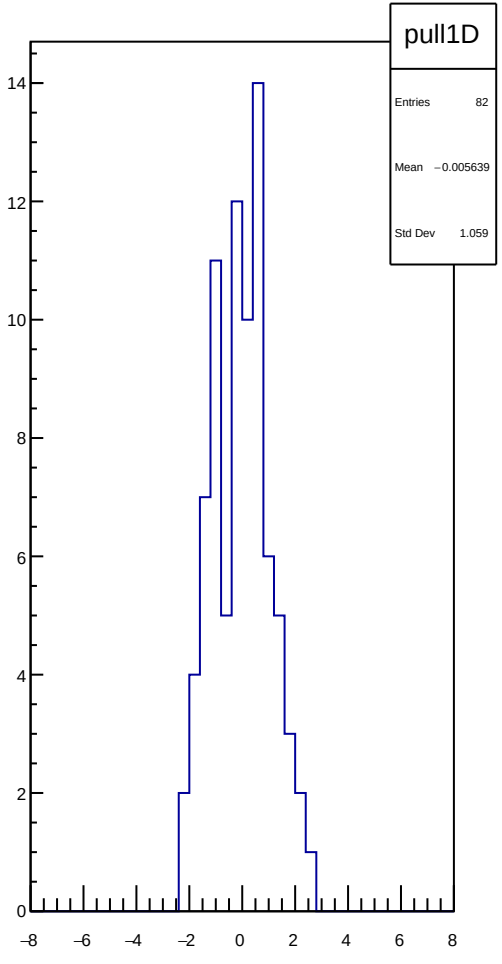

pull1D
Entries 82
Mean 0.002177
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

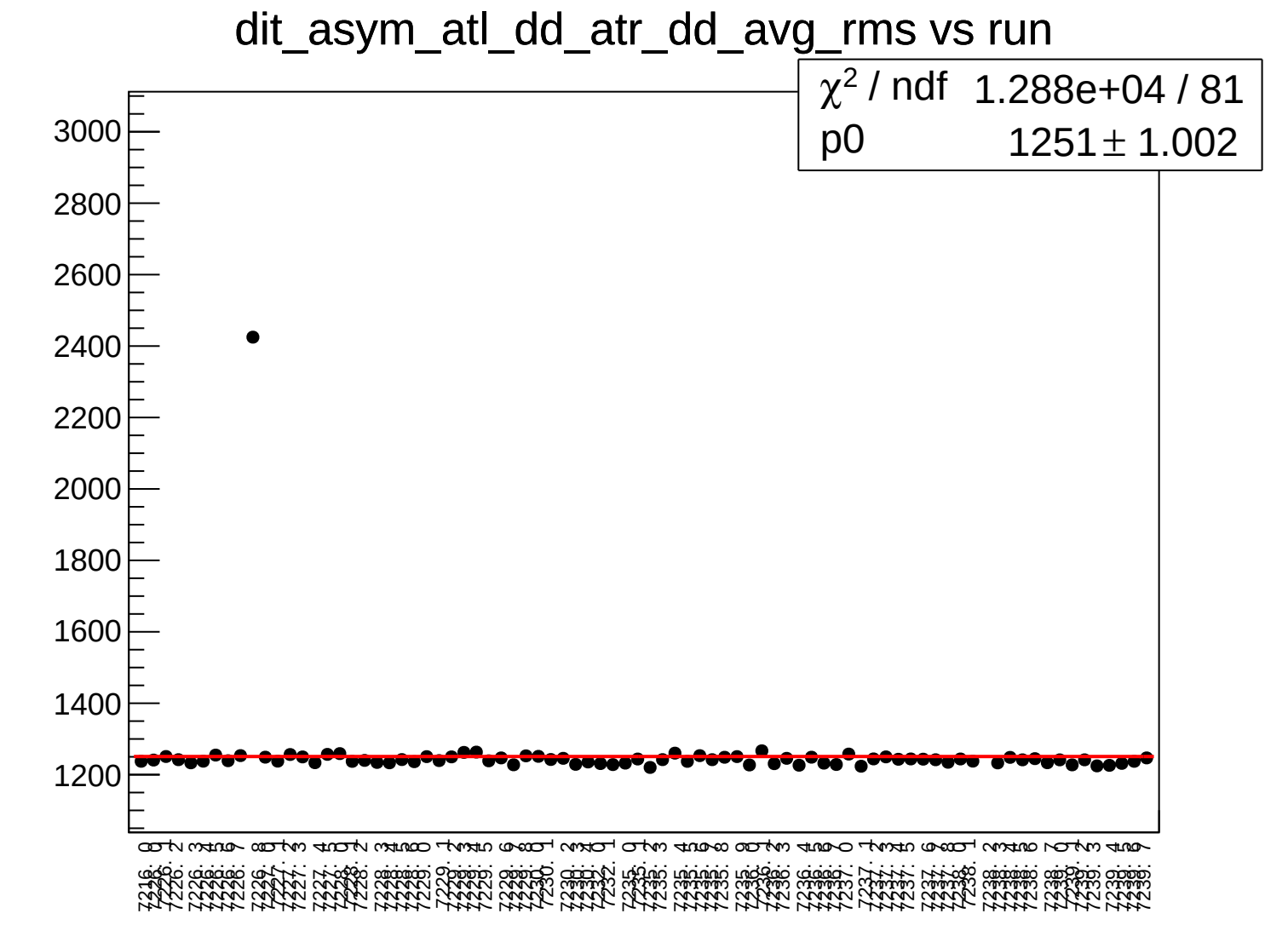

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 8015 / 81
p0 290.4 ± 0.2323
340
320
300
280
260
240

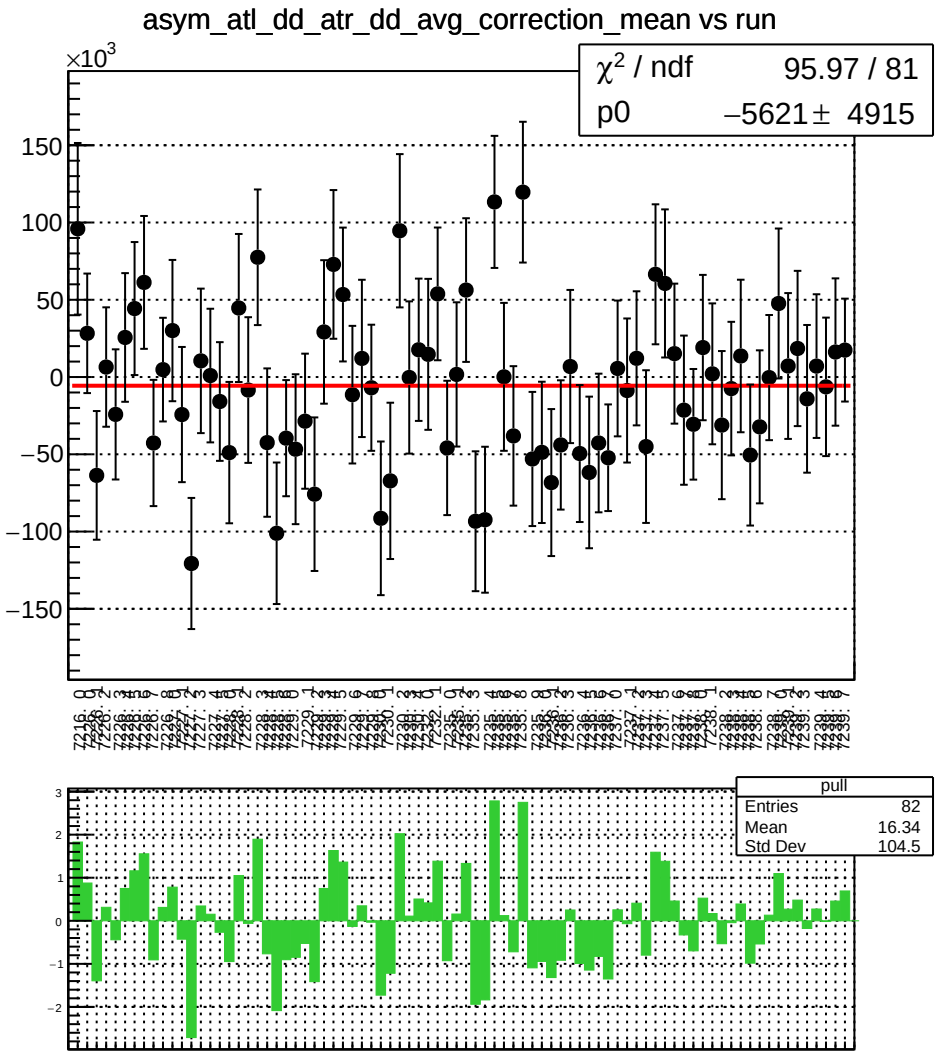

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 65.23 / 81
p0 2113 ± 1434
pull
Entries 82
Mean −766.9
Std Dev 792.1
pull1D
Entries 82
Mean −0.002292
Std Dev 0.8919

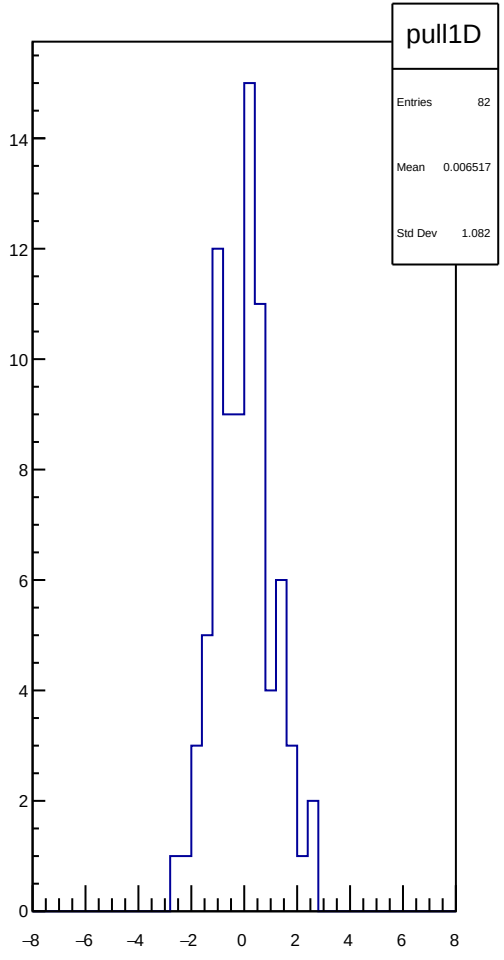

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.264e+04 / 81
p0 1266 ± 1.014
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

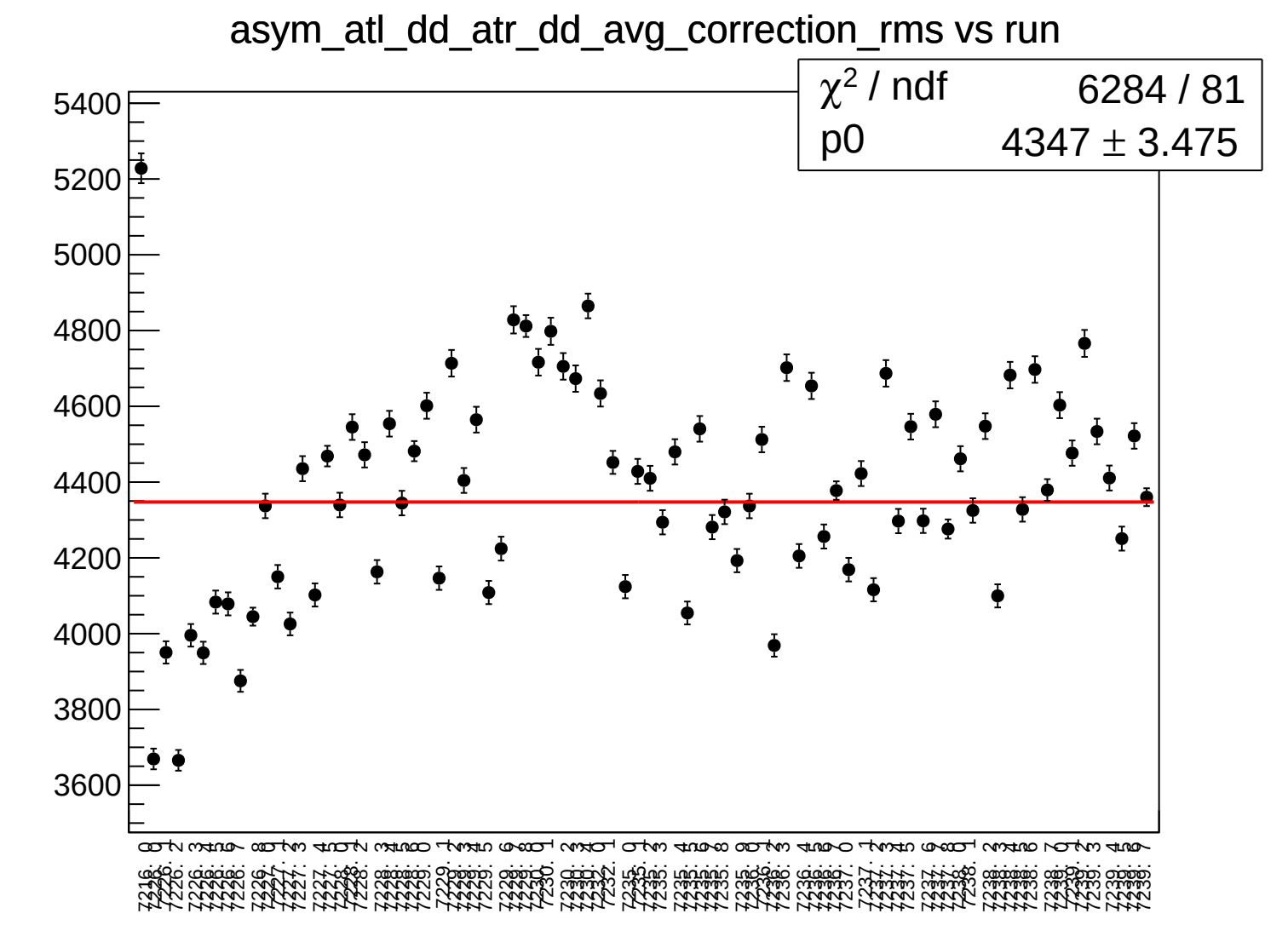

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 91.89 / 81
p0 −601.3 ± 1417
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 467.9
Std Dev 418.8
2
1
0
−1
−2

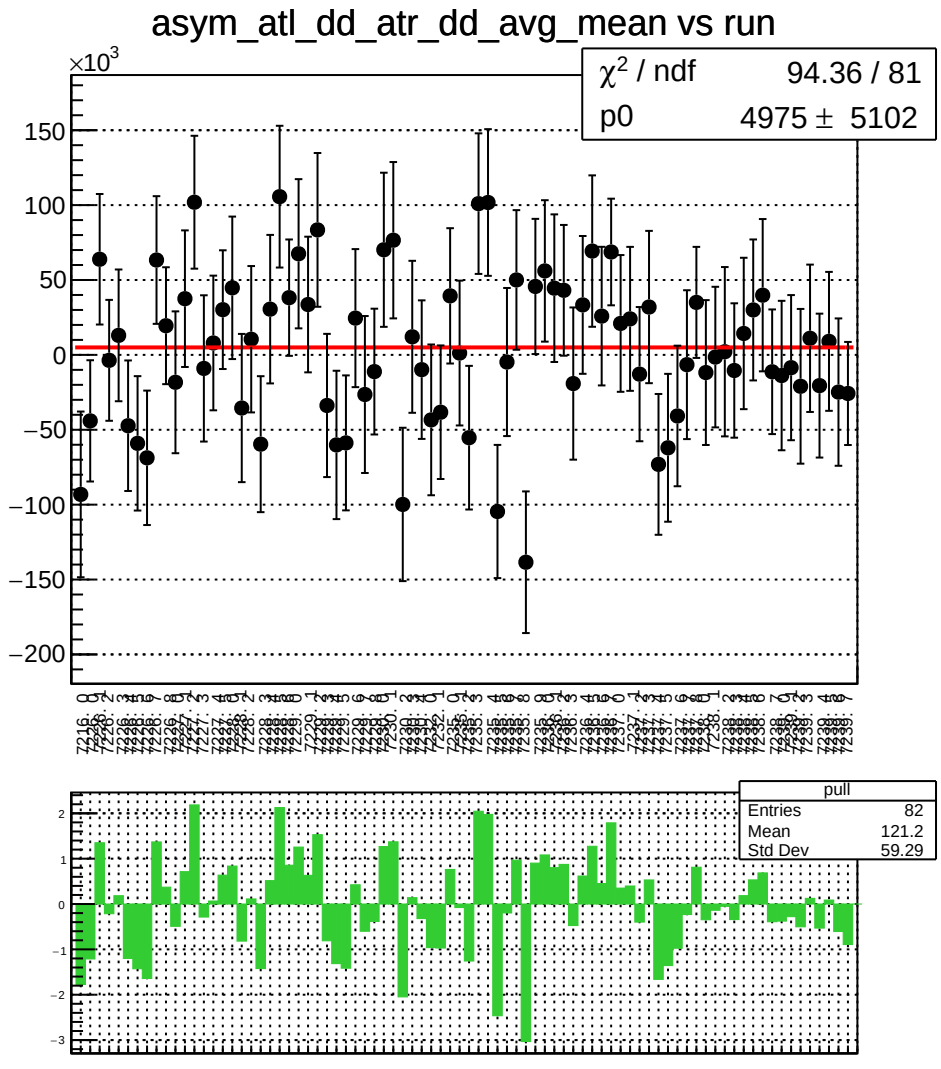

pull1D
Entries 82
Mean −0.005639
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

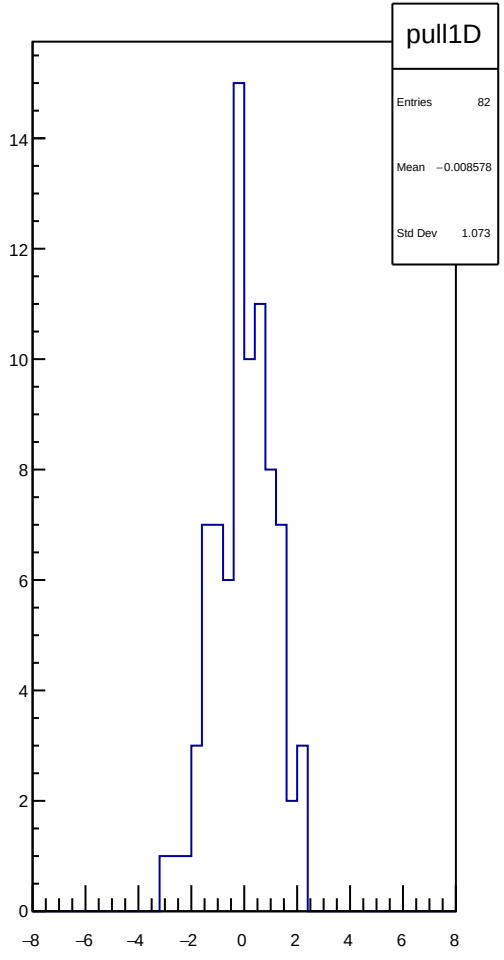

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.288e+04 / 81
p0 1251 ± 1.002
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

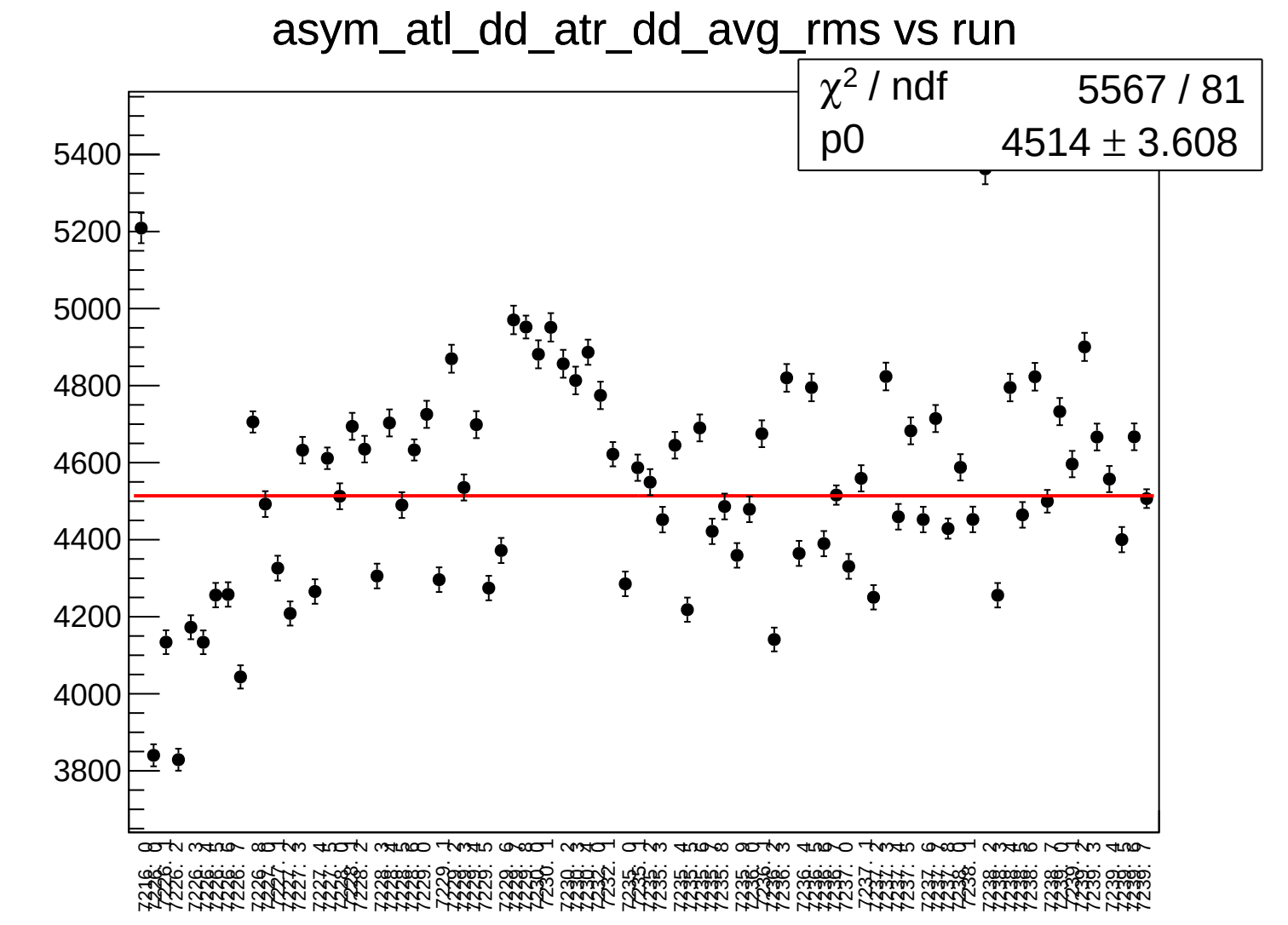

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 95.97 / 81
p0 −5621 ± 4915
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 16.34
Std Dev 104.5
3
2
1
0
−1
−2

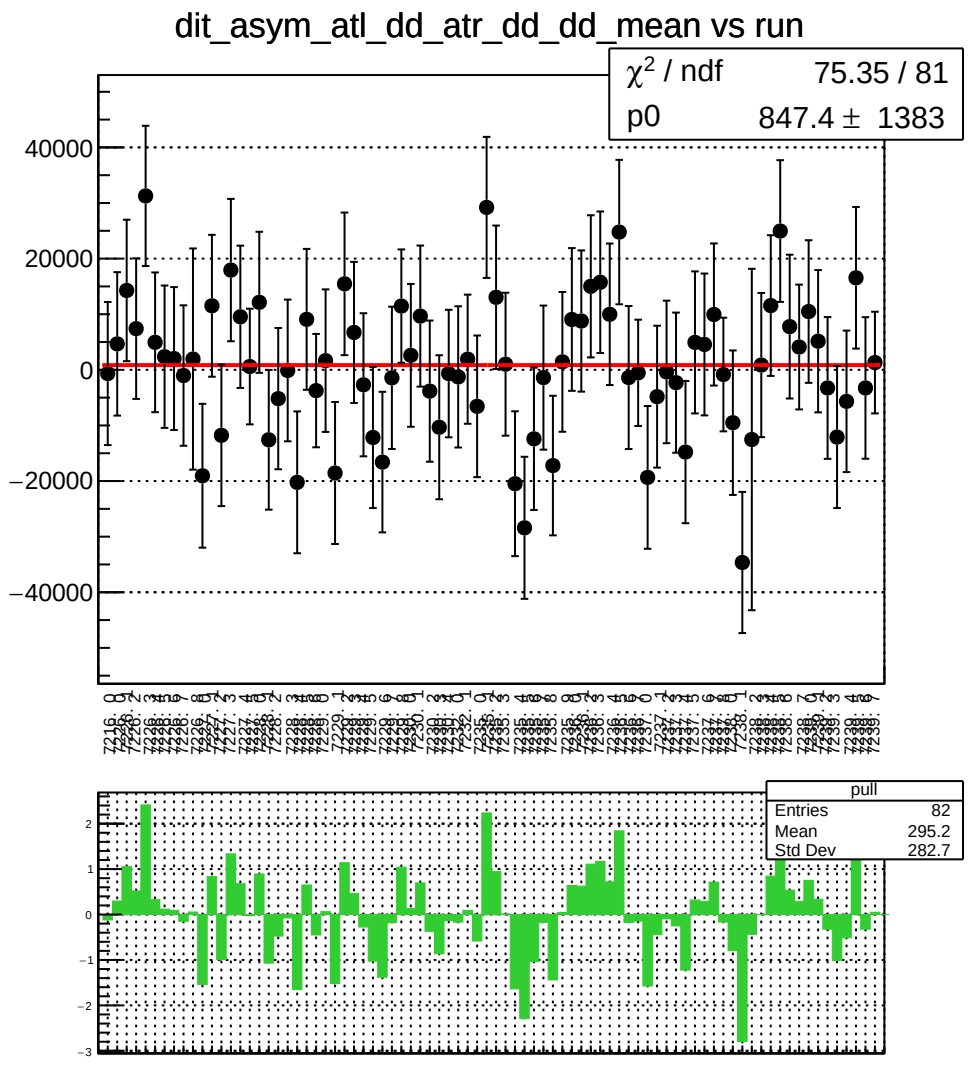

pull1D
Entries 82
Mean 0.006517
Std Dev 1.082
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

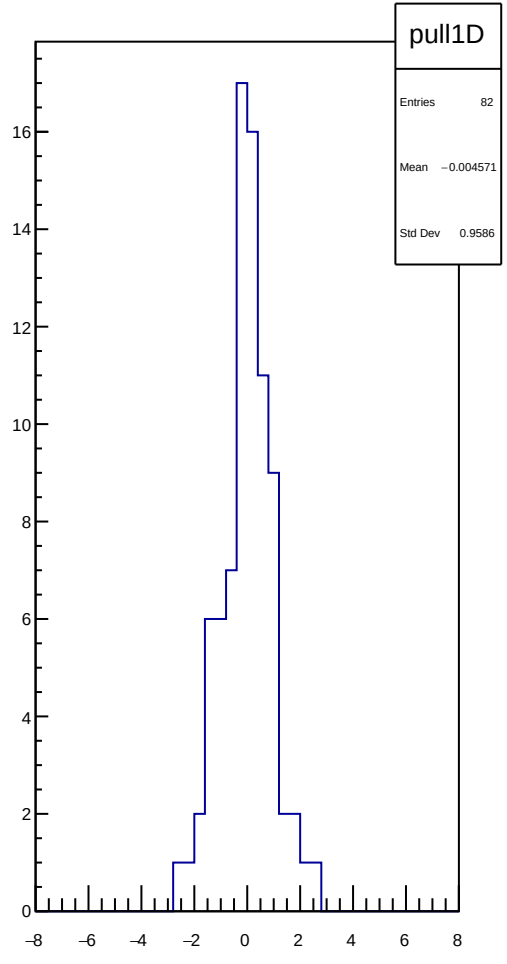

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 6284 / 81
p0 4347 ± 3.475
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600

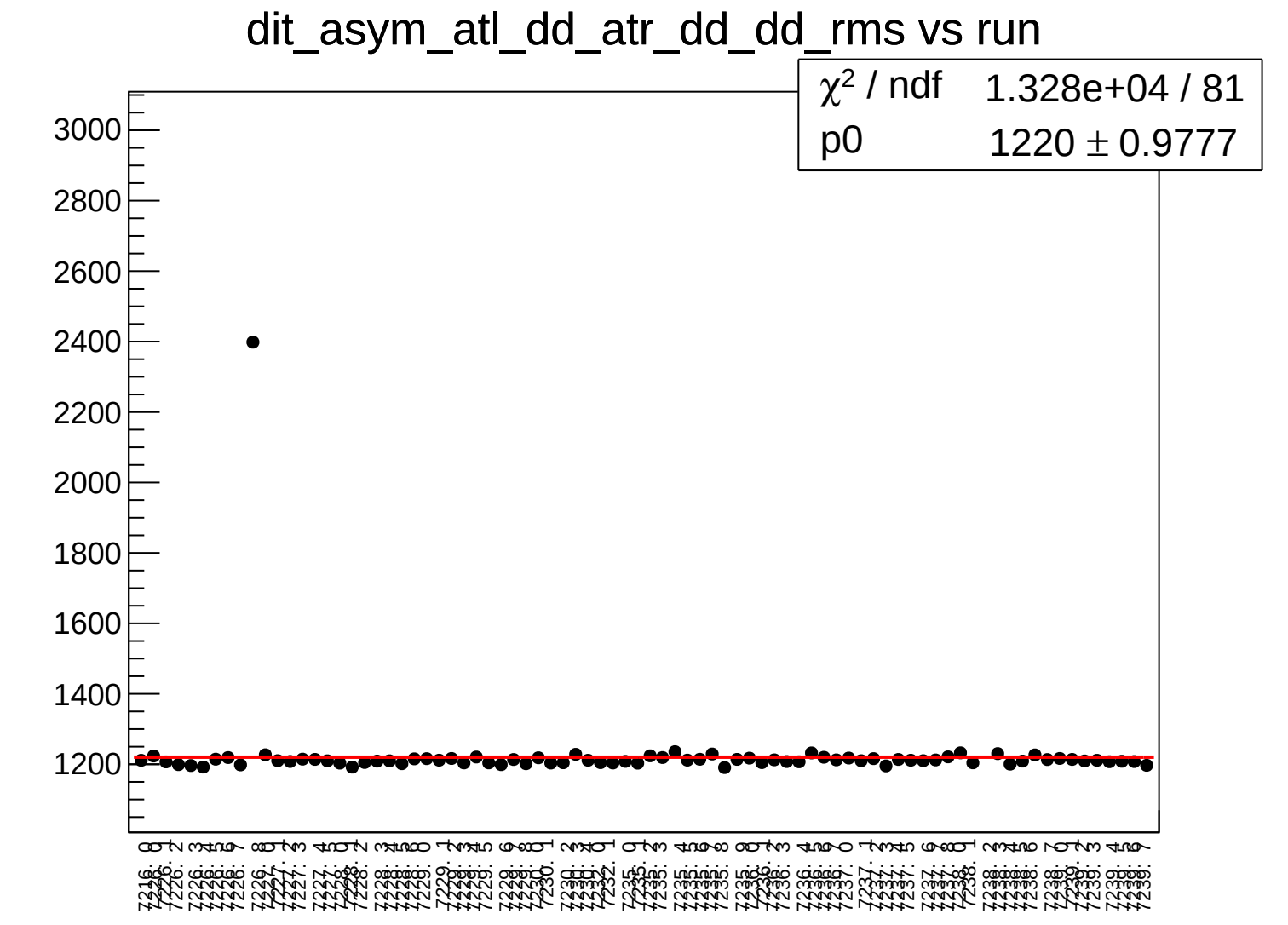

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 94.36 / 81
p0 4975 ± 5102
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 121.2
Std Dev 59.29
2
1
0
−1
−2
−3

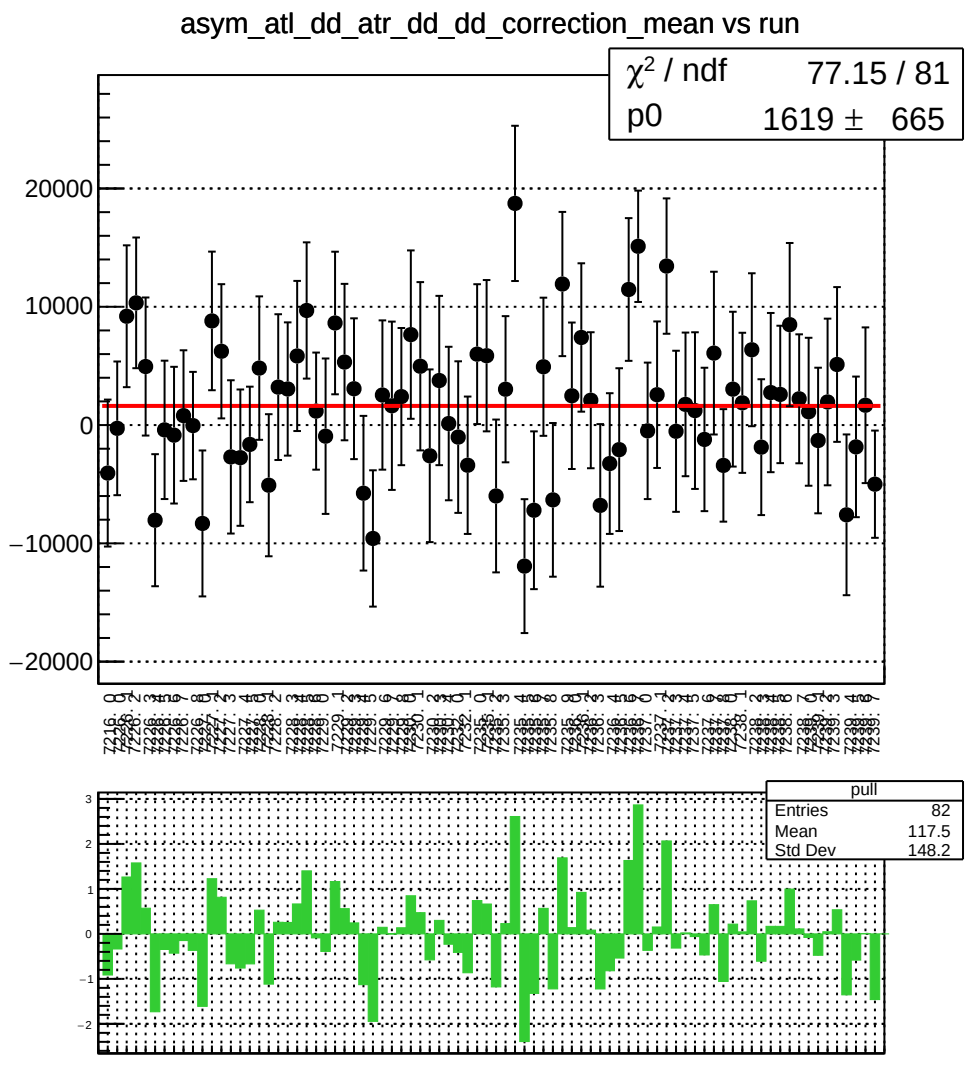

pull1D
Entries 82
Mean −0.008578
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

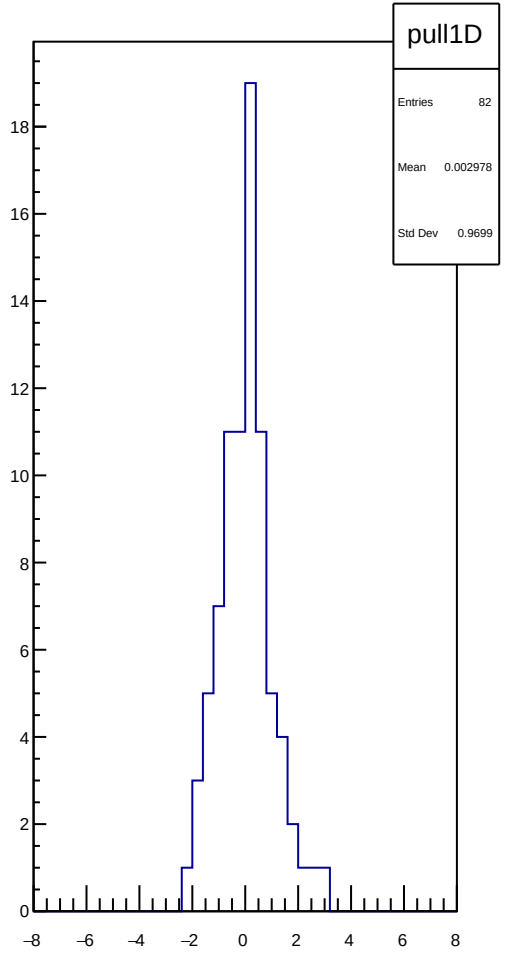

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5567 / 81
p0 4514 ± 3.608
5400
5200
5000
4800
4600
4400
4200
4000
3800

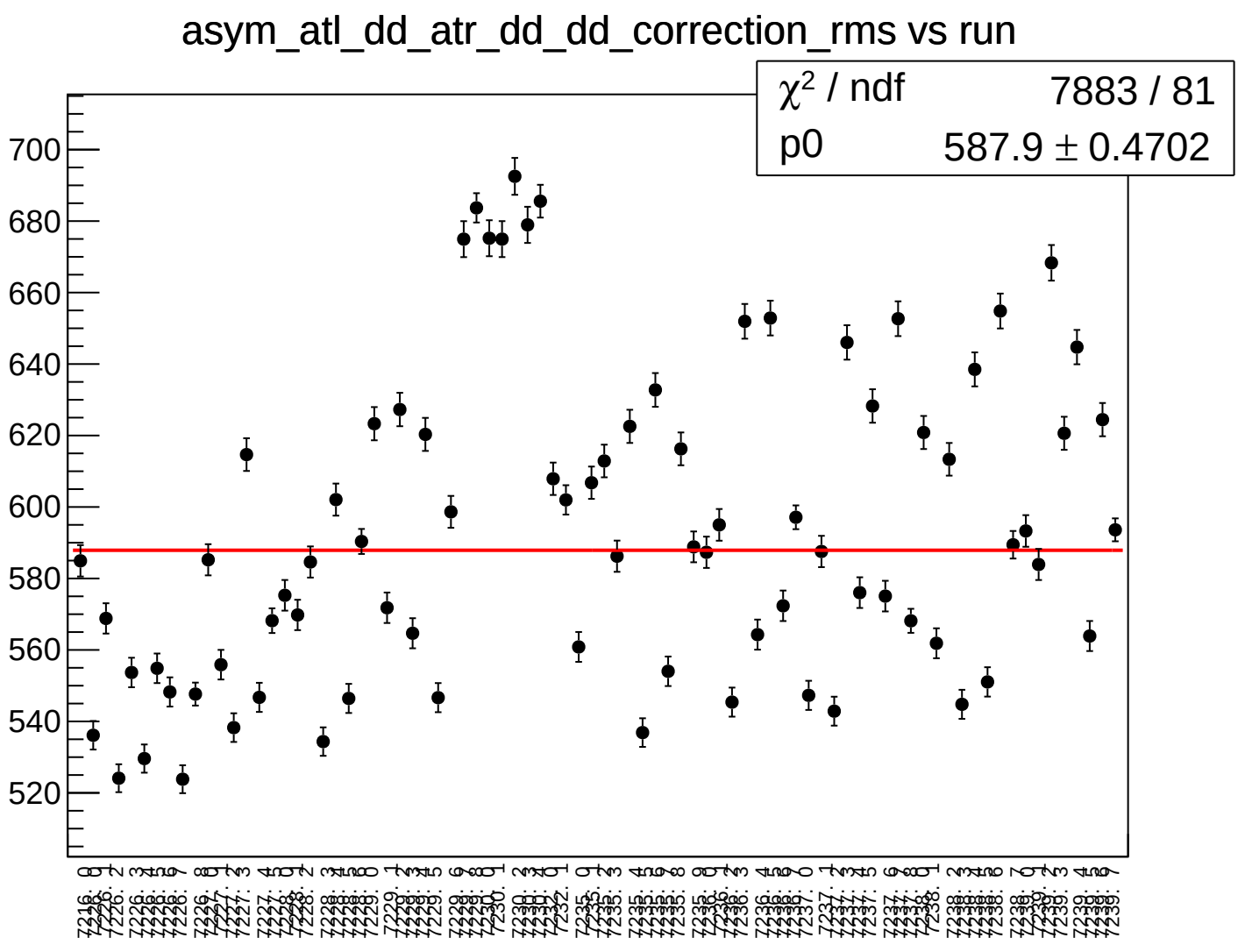

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 75.35 / 81
p0 847.4 ± 1383
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 295.2
Std Dev 282.7
2
1
0
−1
−2
−3

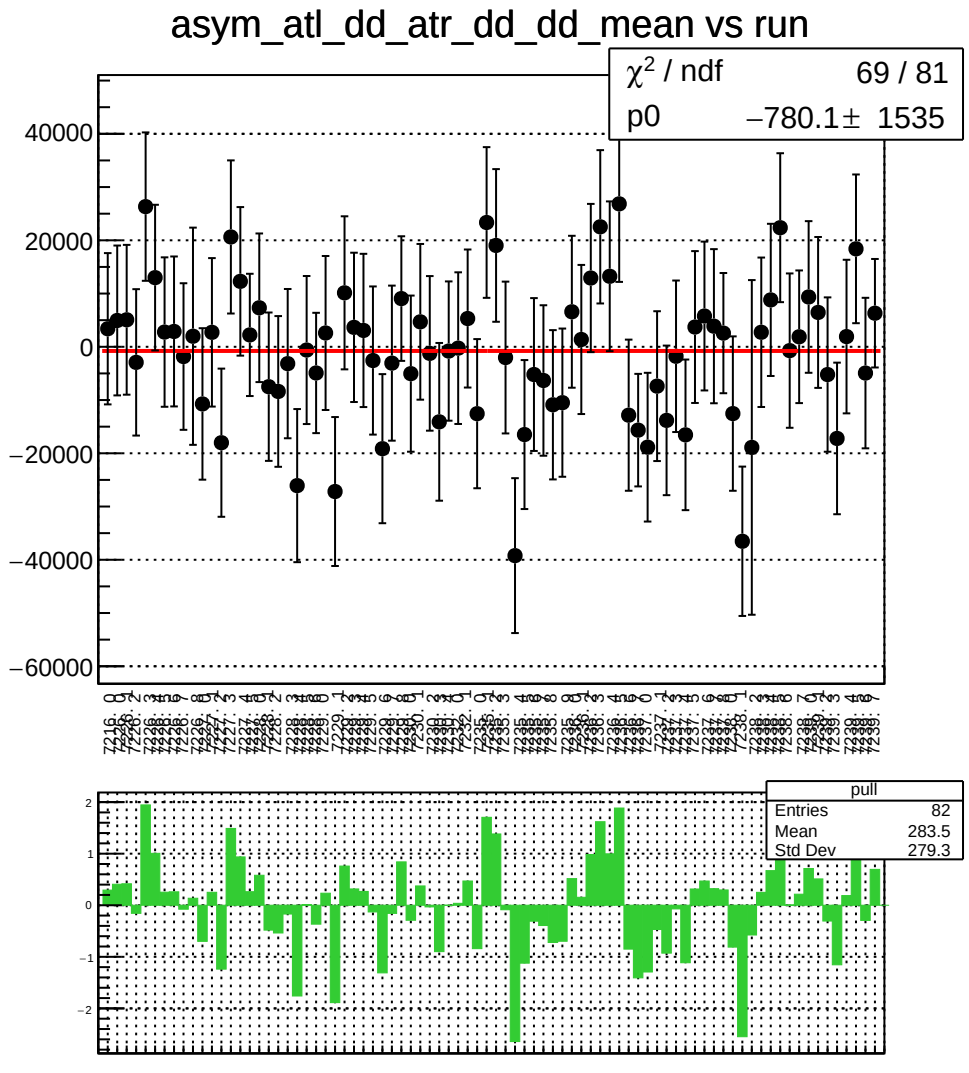

pull1D
Entries 82
Mean −0.004571
Std Dev 0.9586
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

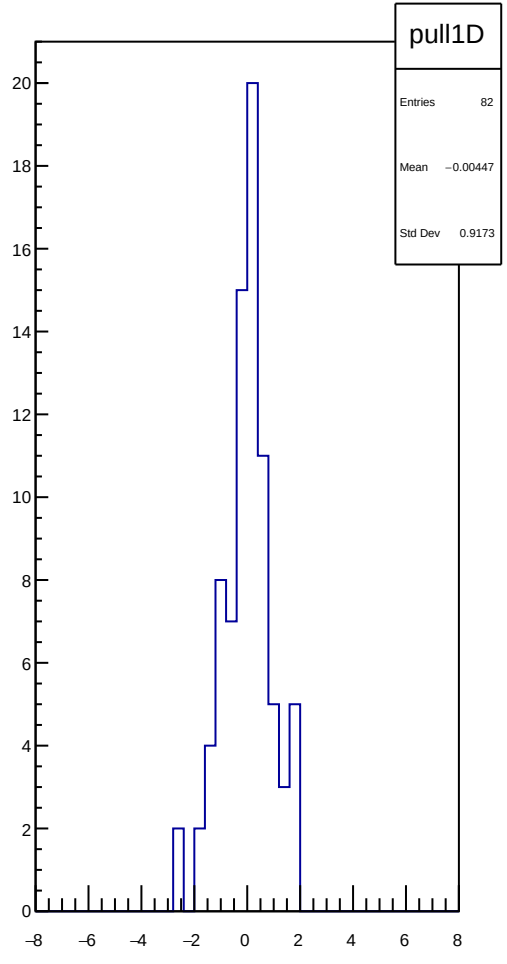

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.328e+04 / 81
p0 1220 ± 0.9777
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

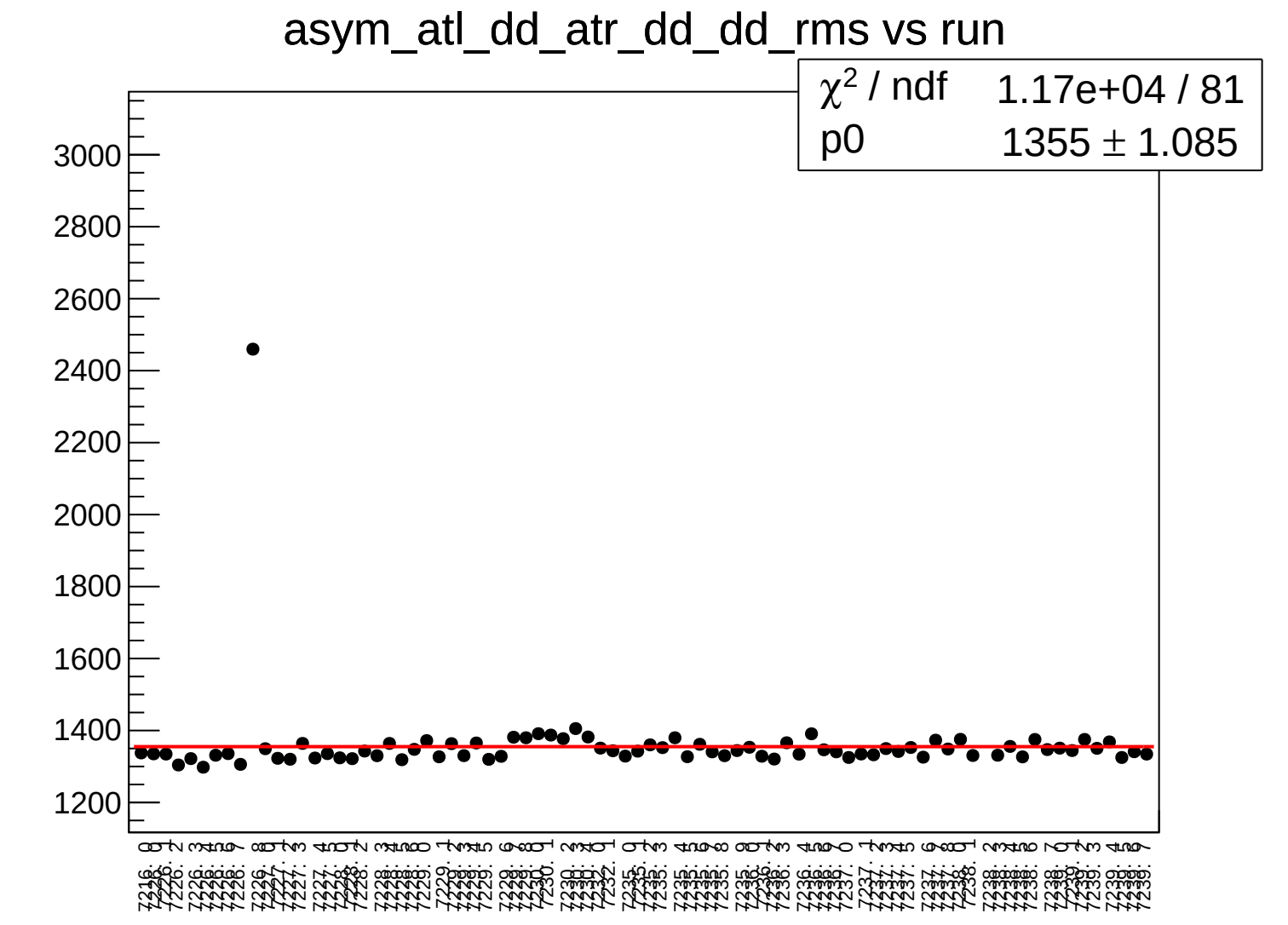

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 77.15 / 81
p0 1619 ± 665
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 117.5
Std Dev 148.2
3
2
1
0
−1
−2

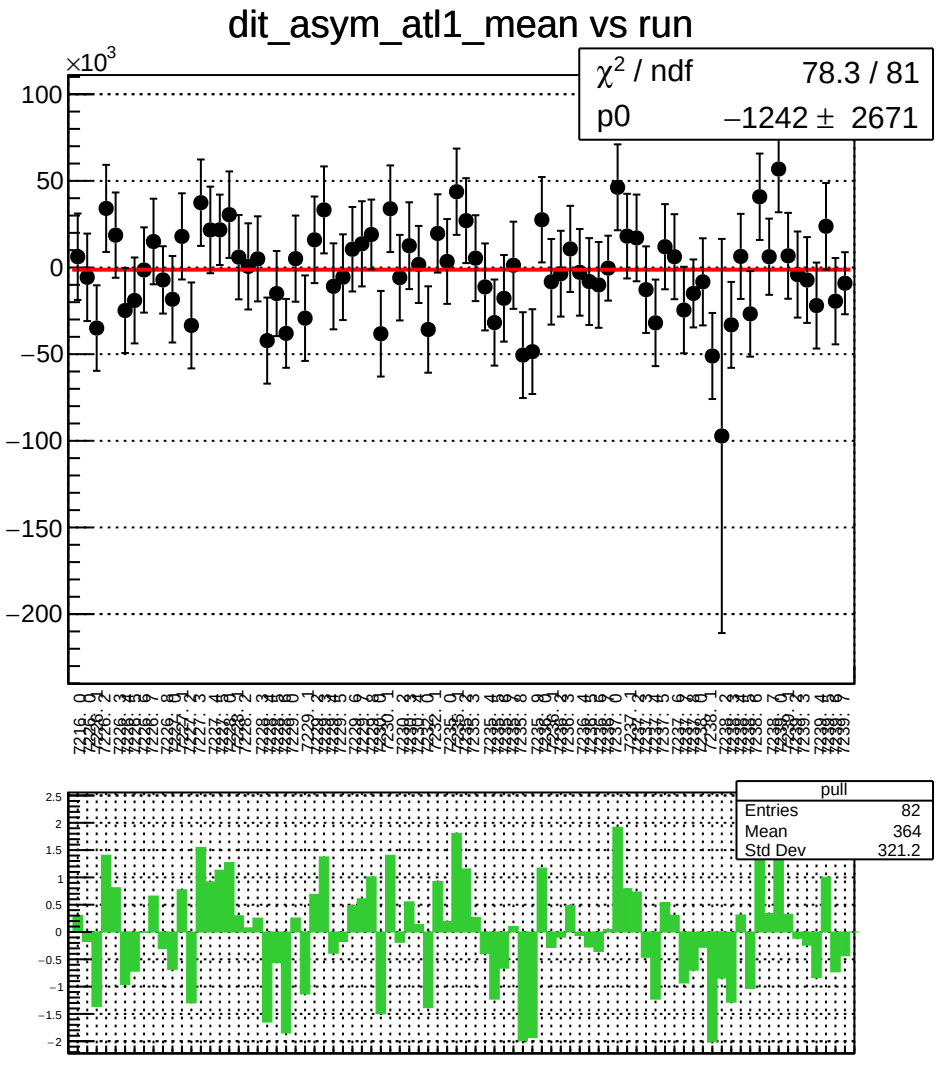

pull1D
Entries 82
Mean 0.002978
Std Dev 0.9699
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

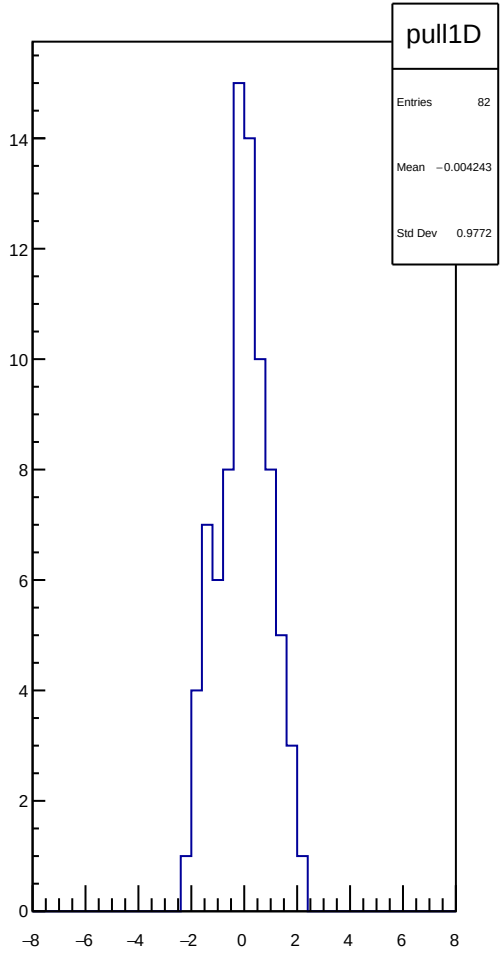

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 7883 / 81
p0 587.9 ± 0.4702
700
680
660
640
620
600
580
560
540
520

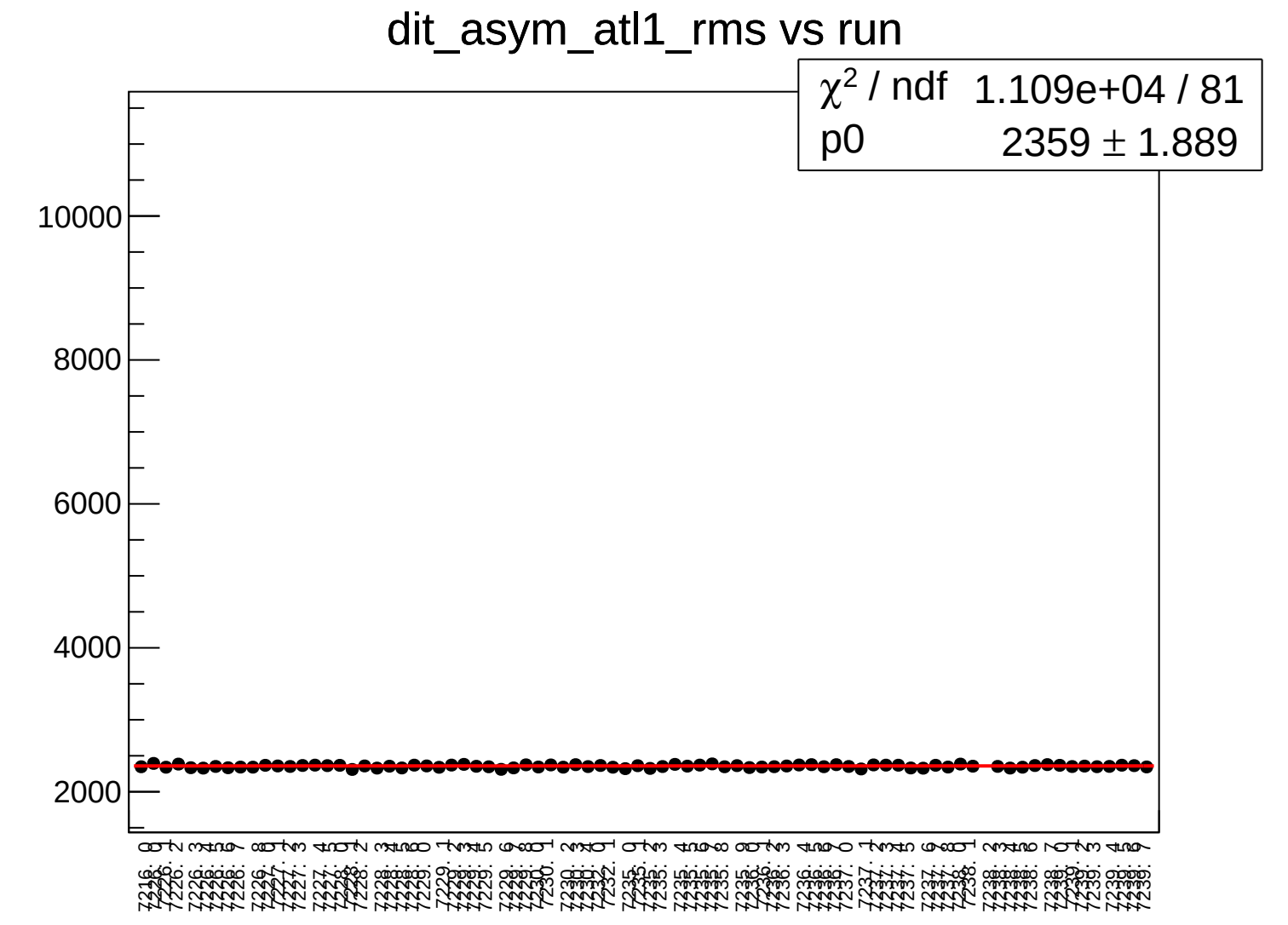

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 69 / 81
p0 −780.1± 1535
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 283.5
Std Dev 279.3
2
1
0
−1
−2

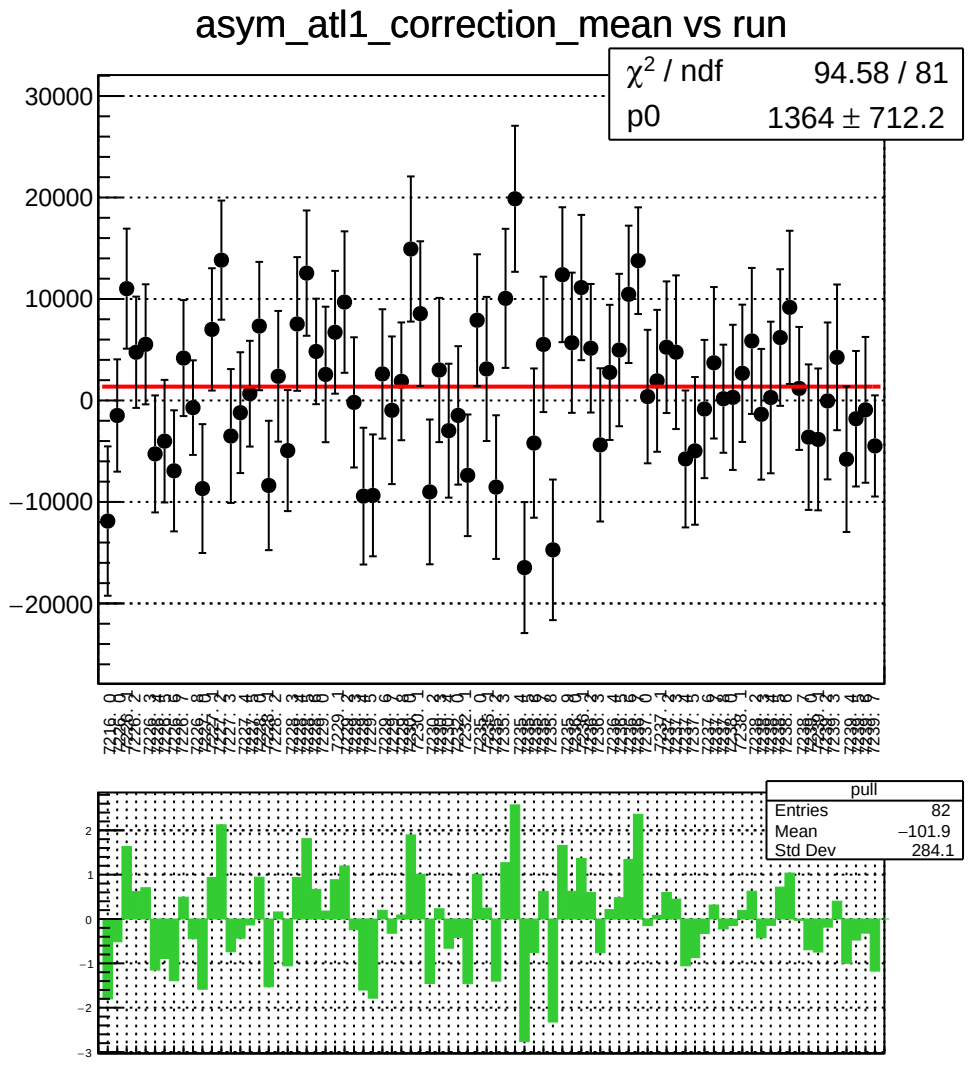

pull1D
Entries 82
Mean −0.00447
Std Dev 0.9173
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

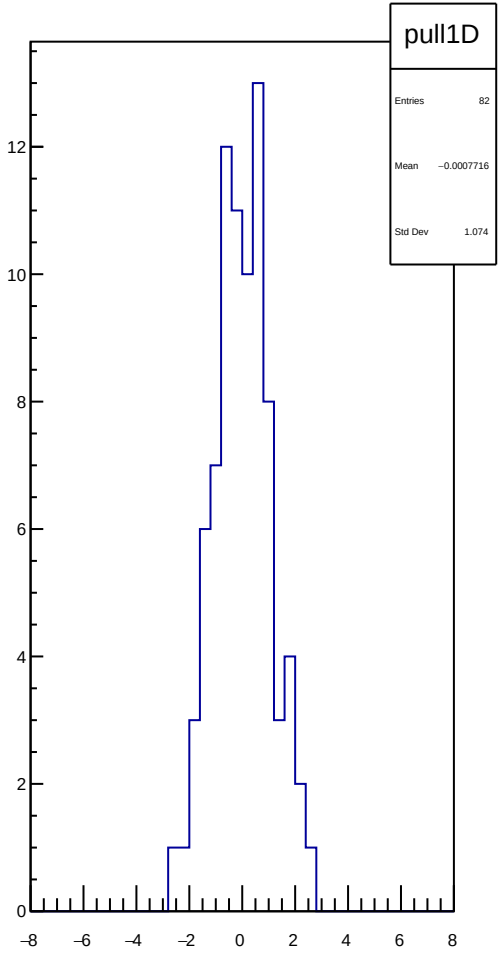

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.17e+04 / 81
p0 1355 ± 1.085
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

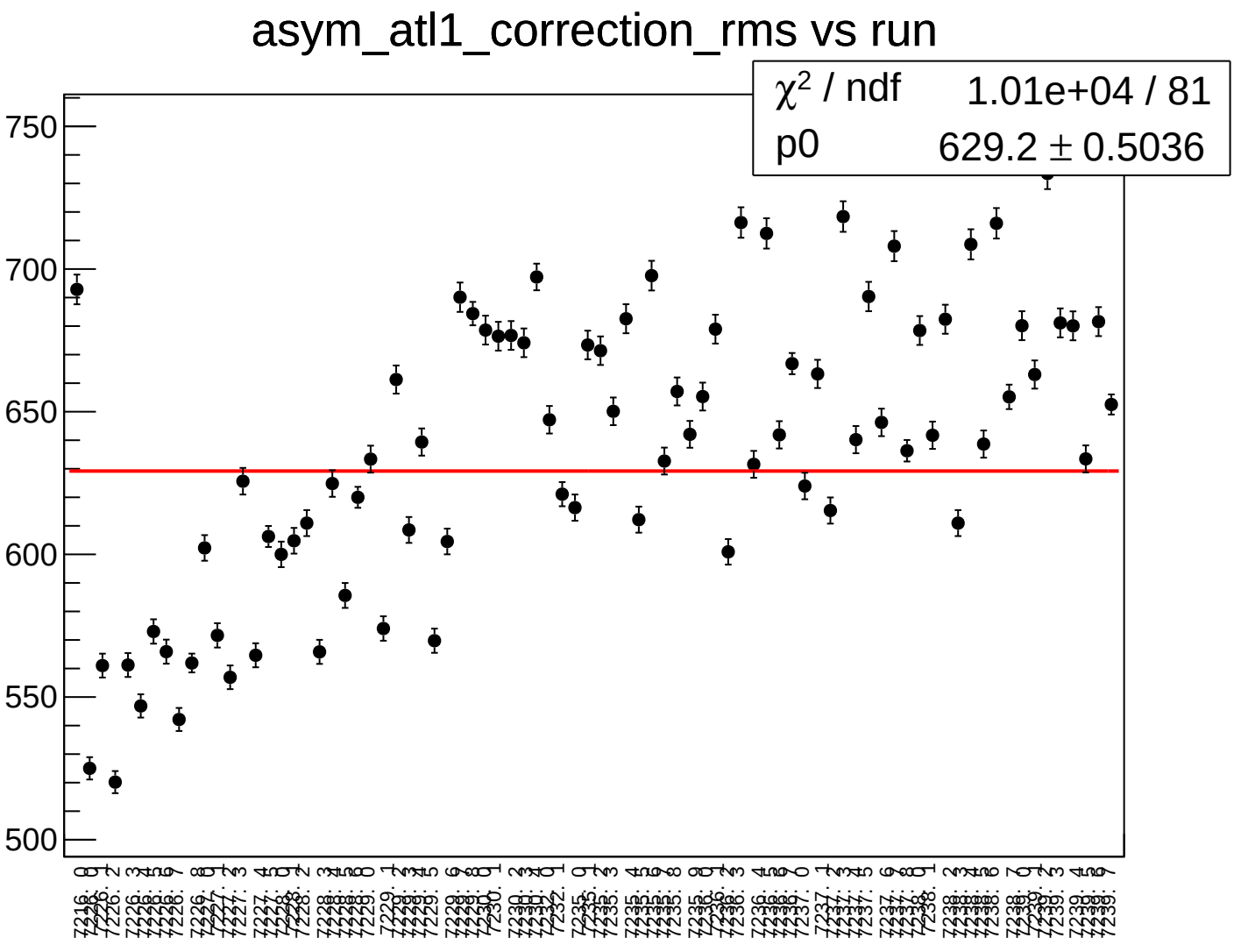

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 78.3 / 81
p0 −1242 ± 2671
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 364
Std Dev 321.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

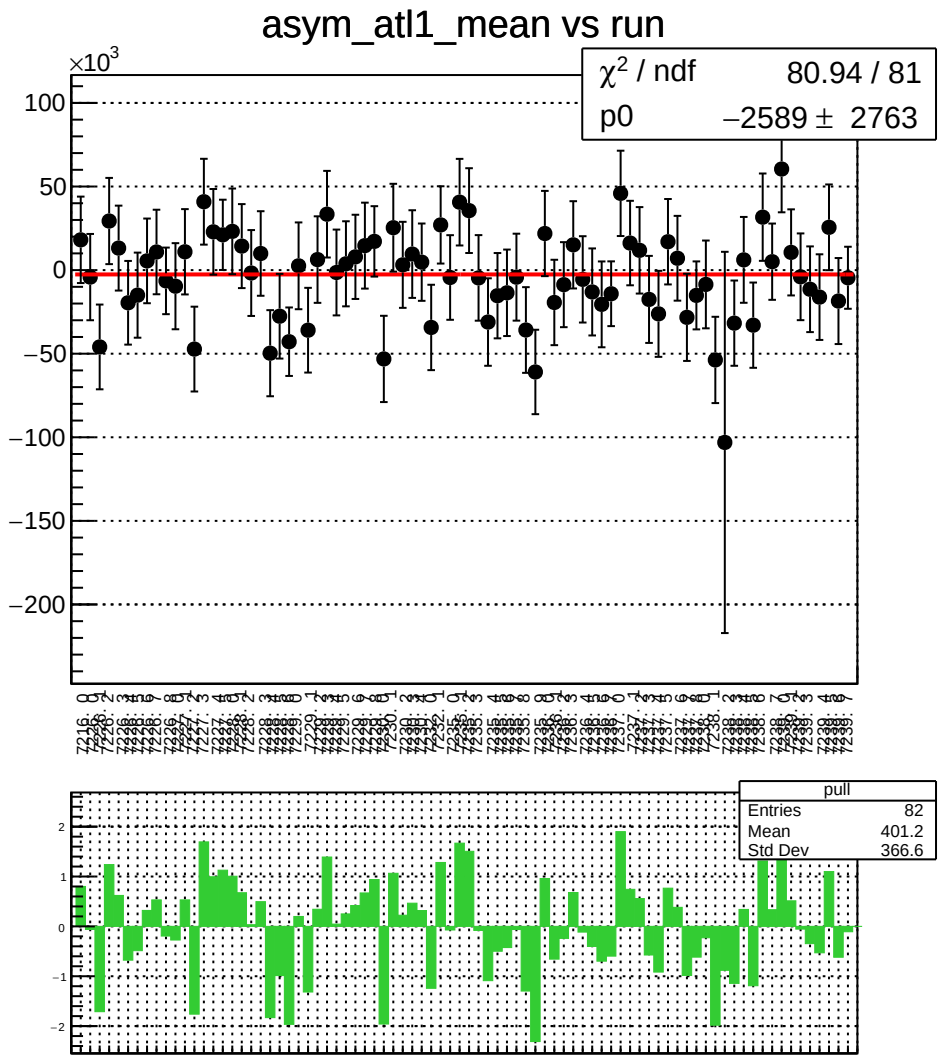

pull1D
Entries 82
Mean −0.004243
Std Dev 0.9772
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

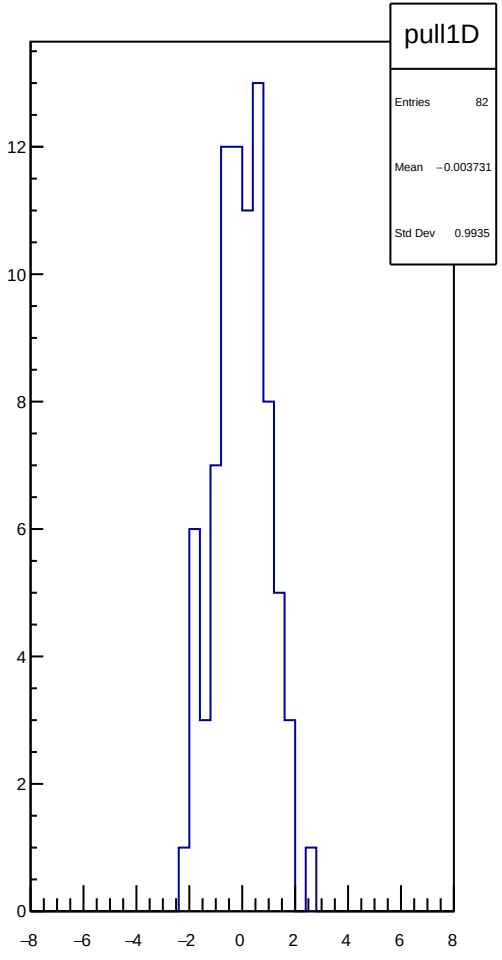

dit_asym_atl1_rms vs run
χ² / ndf 1.109e+04 / 81
p0 2359 ± 1.889
10000
8000
6000
4000
2000

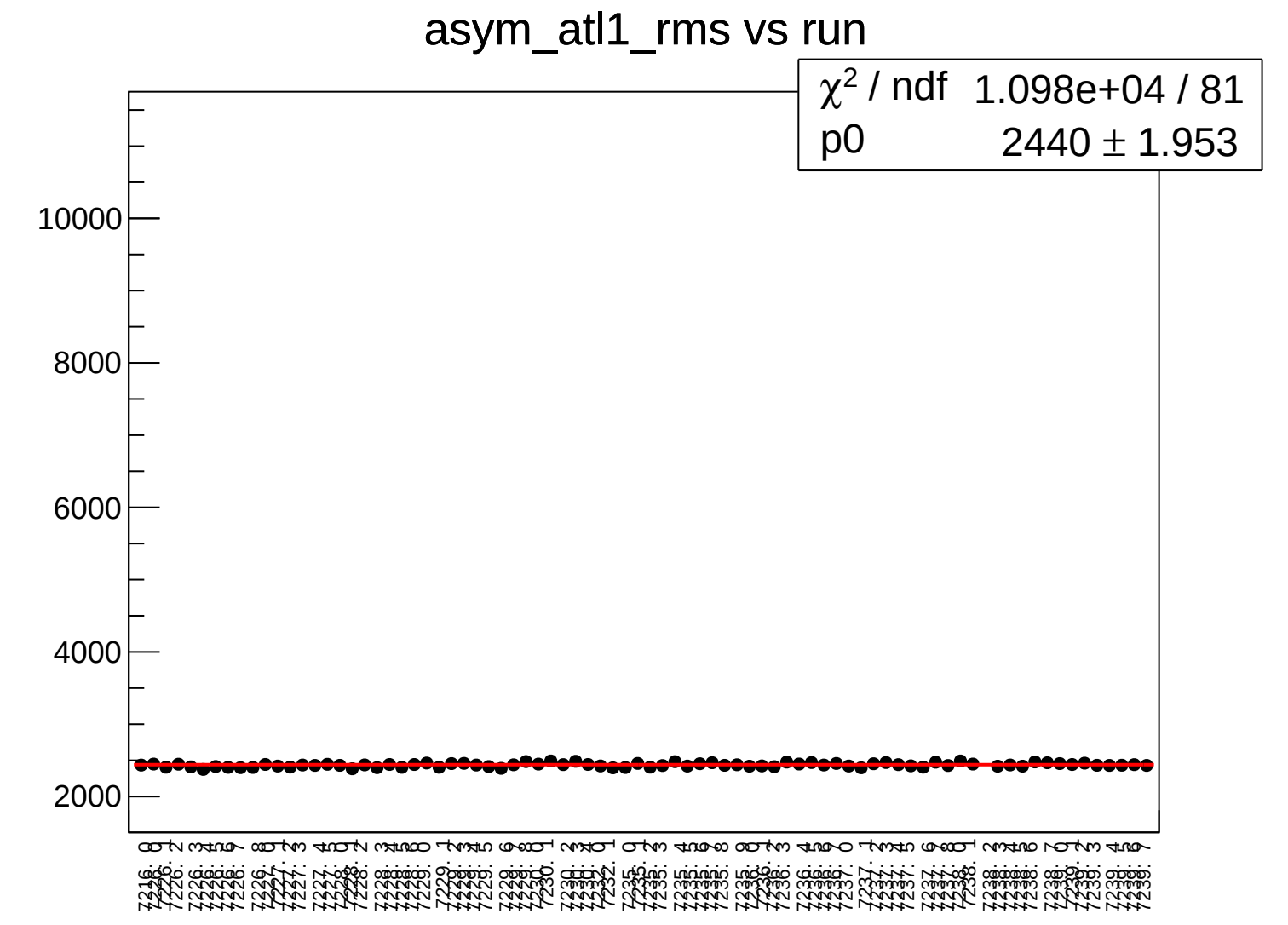

asym_atl1_correction_mean vs run
χ² / ndf 94.58 / 81
p0 1364 ± 712.2
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −101.9
Std Dev 284.1
2
1
0
−1
−2
−3

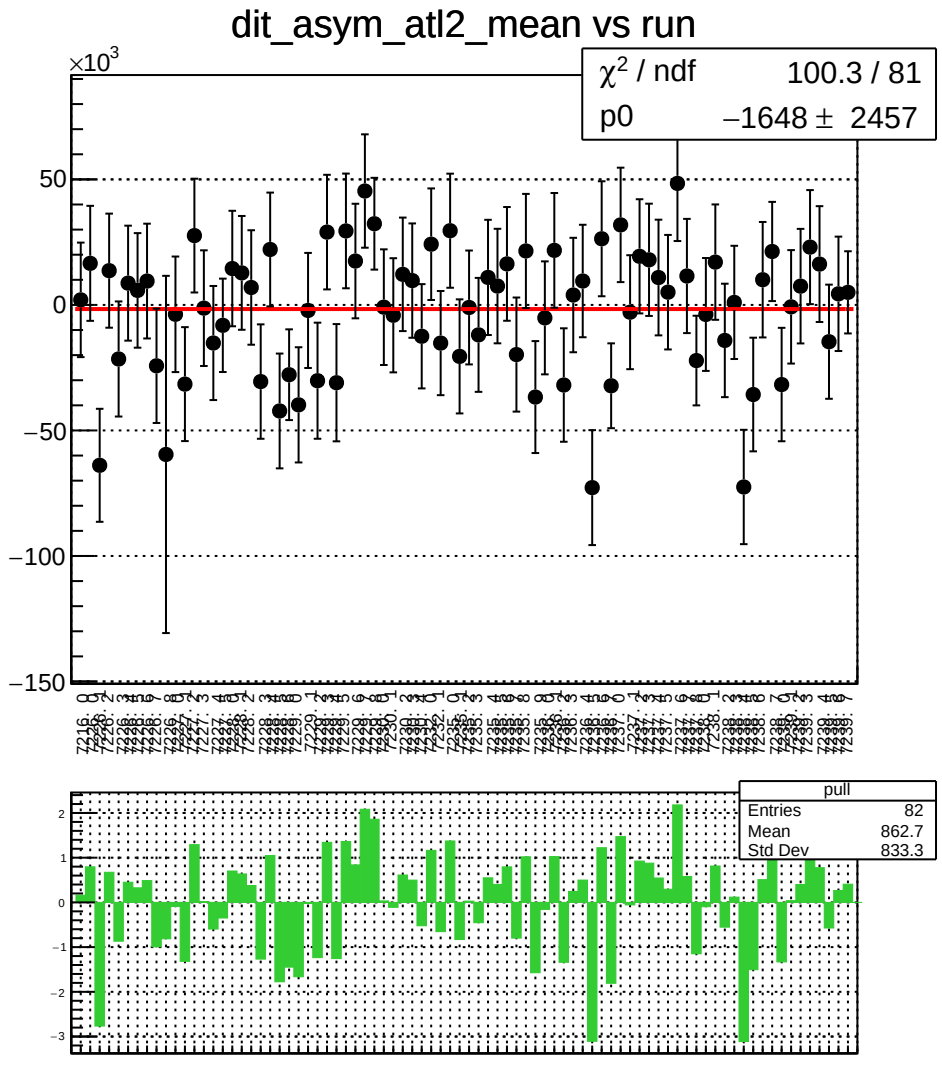

pull1D
Entries 82
Mean −0.0007716
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

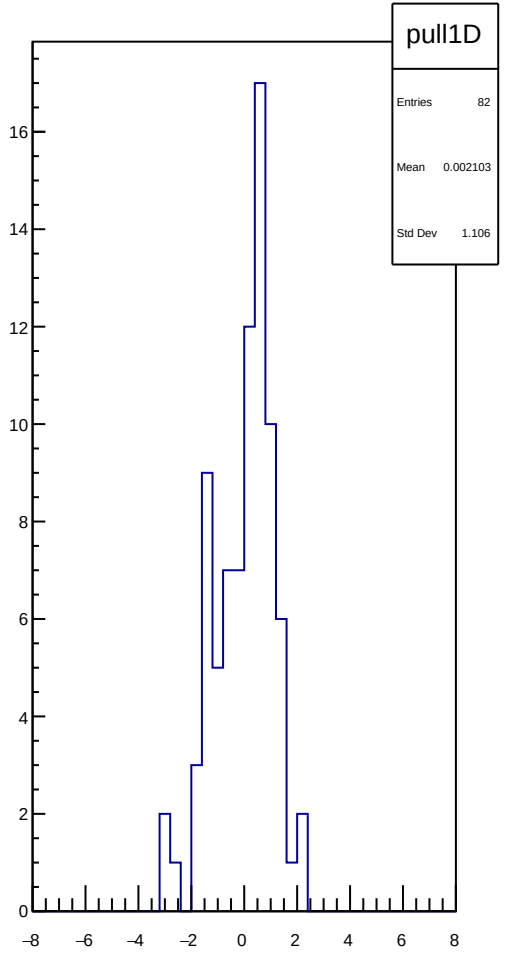

asym_atl1_correction_rms vs run
χ² / ndf 1.01e+04 / 81
p0 629.2 ± 0.5036
750
700
650
600
550
500

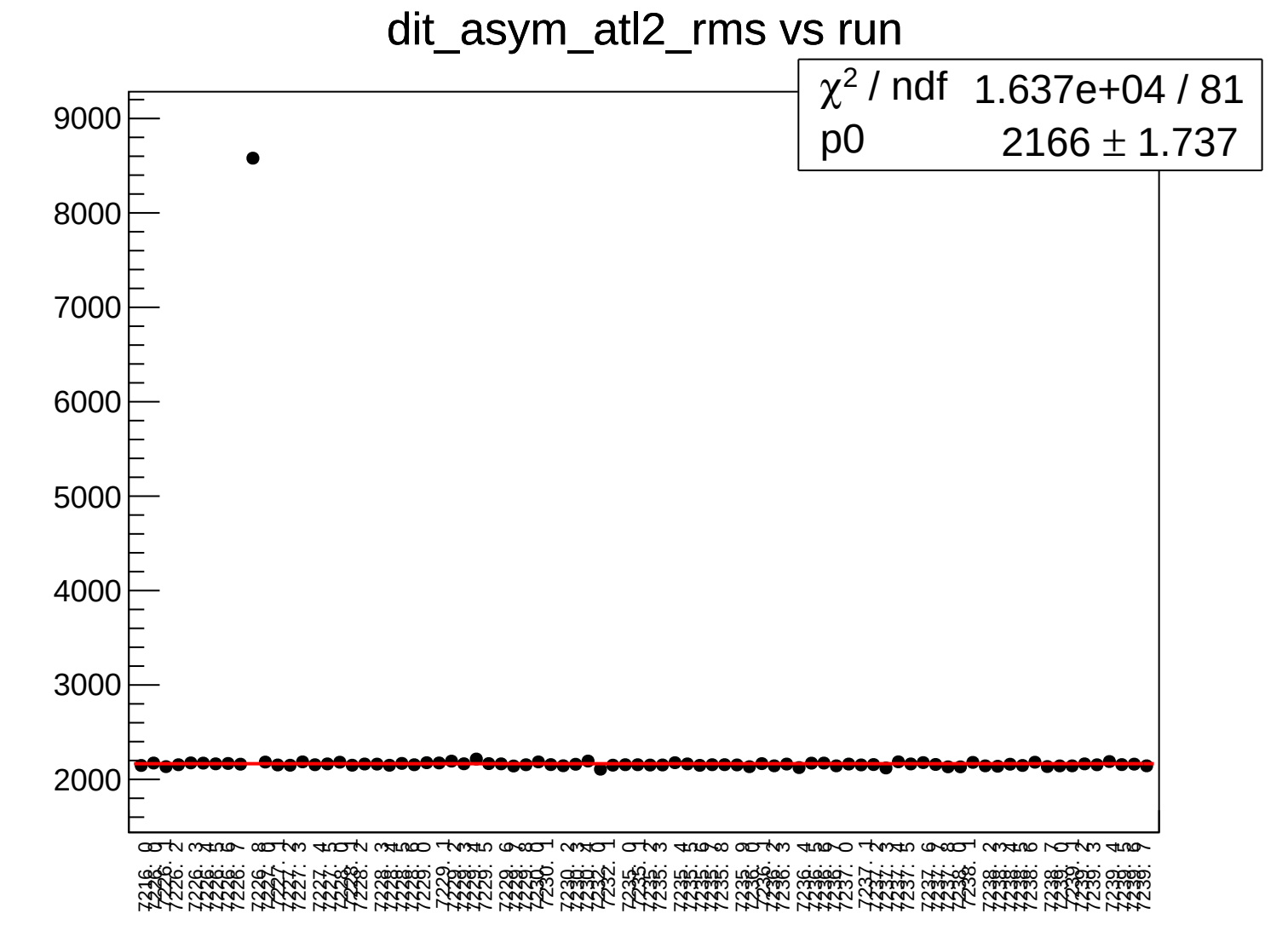

asym_atl1_mean vs run
×10^3
χ² / ndf 80.94 / 81
p0 −2589 ± 2763
pull
Entries 82
Mean 401.2
Std Dev 366.6

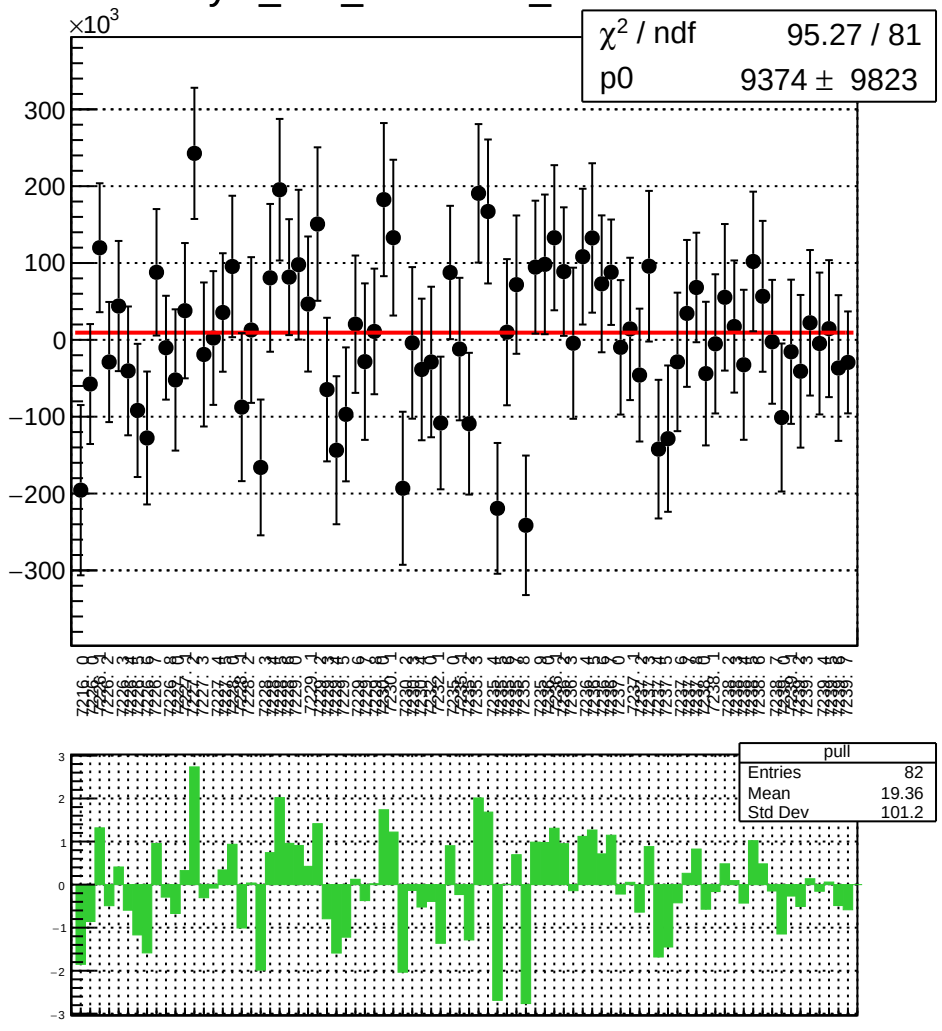

pull1D
Entries 82
Mean −0.003731
Std Dev 0.9935

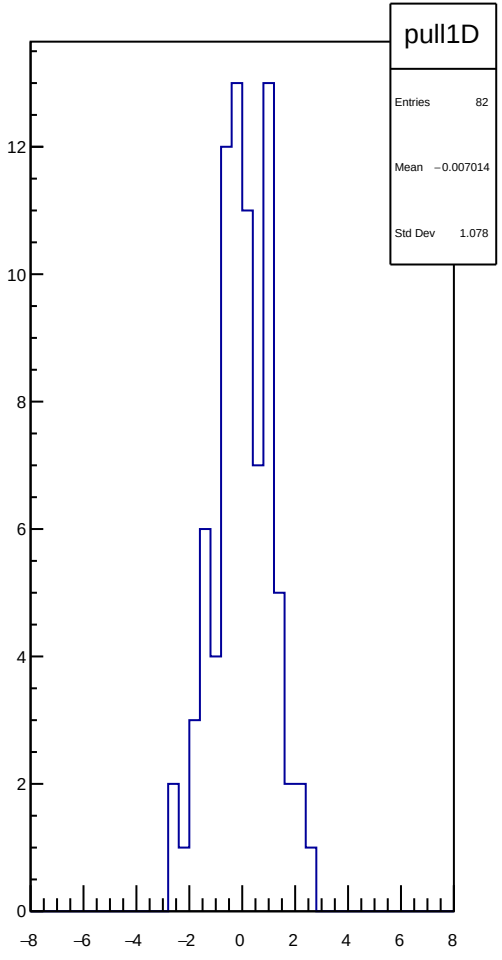

asym_atl1_rms vs run
χ² / ndf 1.098e+04 / 81
p0 2440 ± 1.953
10000
8000
6000
4000
2000

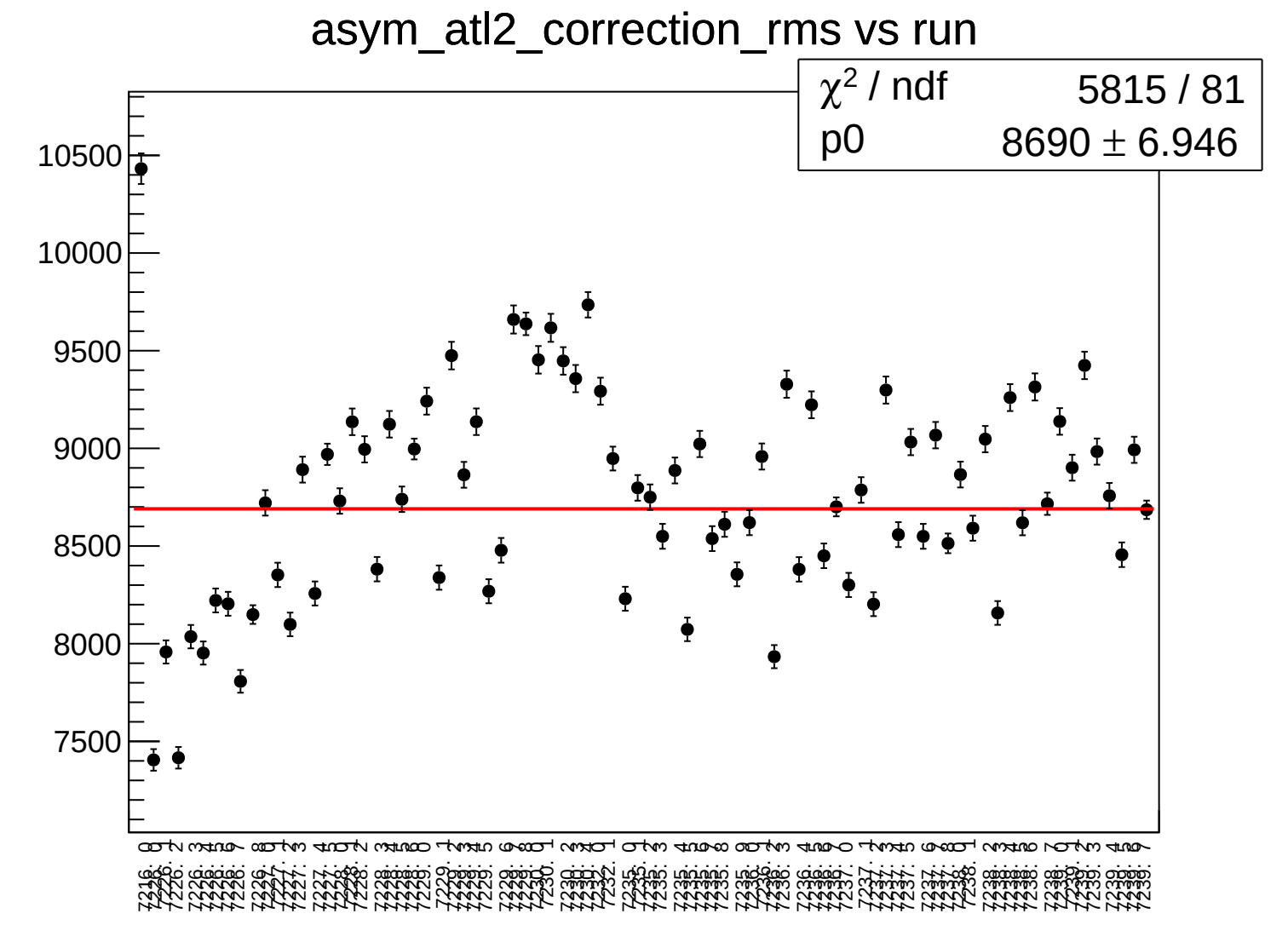

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 100.3 / 81
p0 −1648 ± 2457
50
0
−50
−100
−150
pull
Entries 82
Mean 862.7
Std Dev 833.3
2
1
0
−1
−2
−3

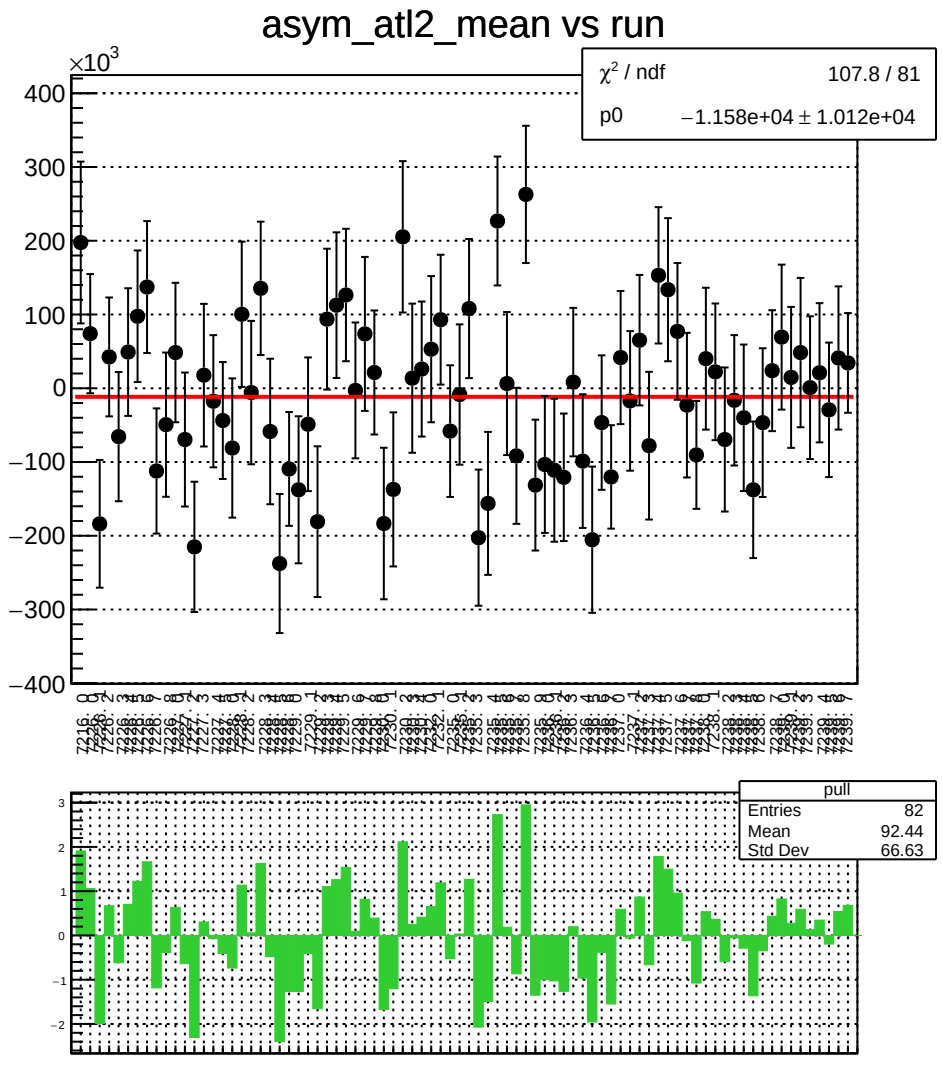

pull1D
Entries 82
Mean 0.002103
Std Dev 1.106
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

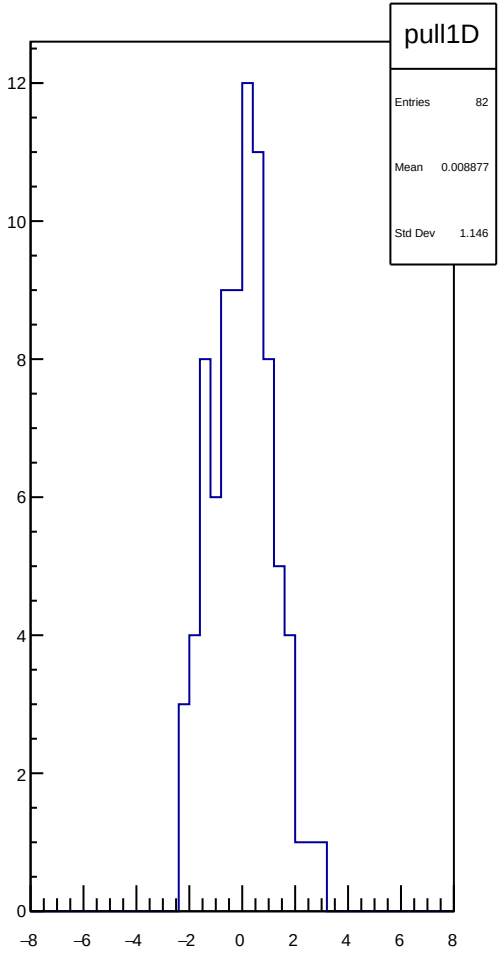

dit_asym_atl2_rms vs run
χ^2 / ndf 1.637e+04 / 81
p0 2166 ± 1.737
9000
8000
7000
6000
5000
4000
3000
2000

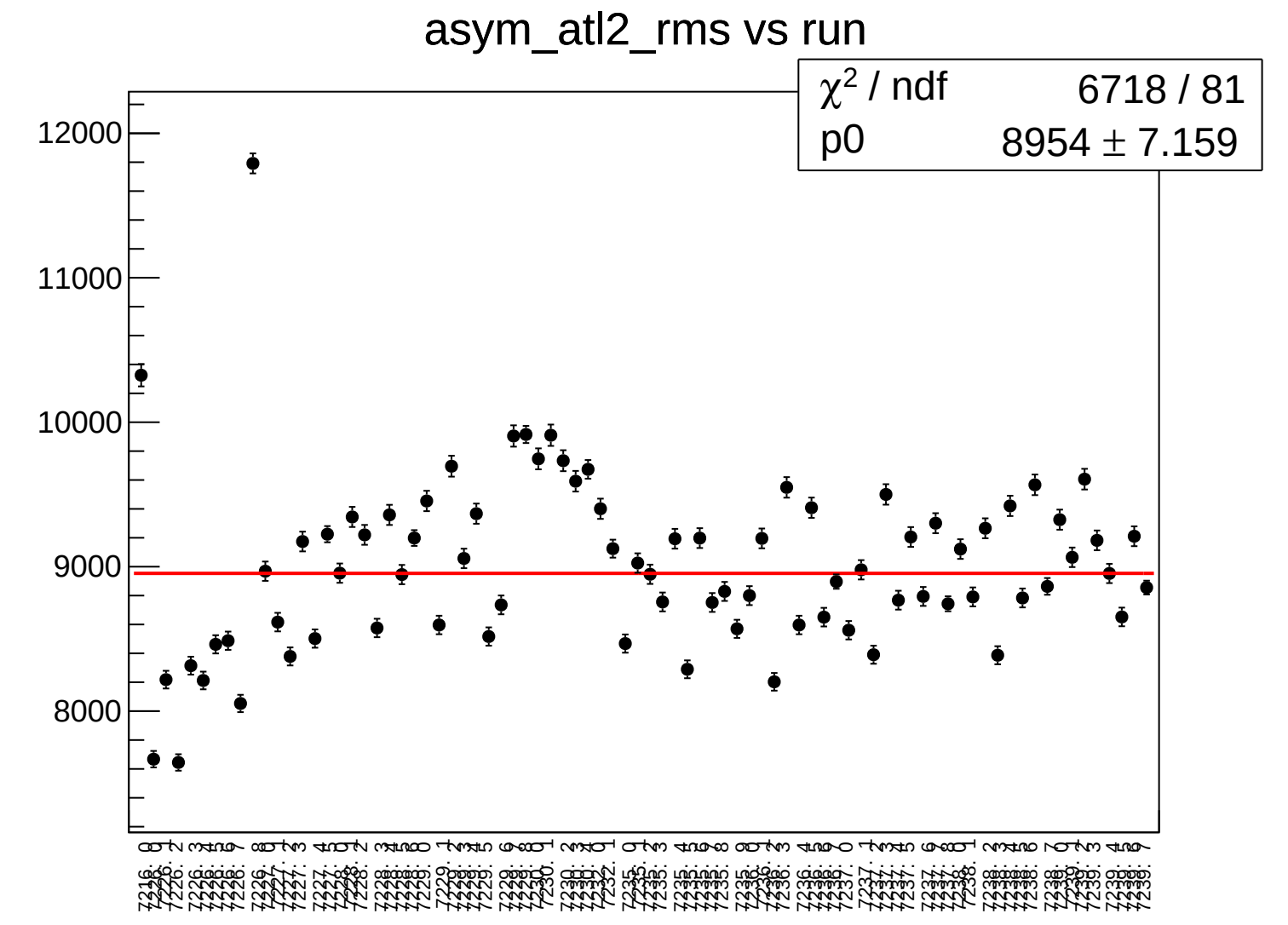

asym_atl2_correction_mean vs run
χ² / ndf 95.27 / 81
p0 9374 ± 9823
×10³
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean 19.36
Std Dev 101.2
3
2
1
0
−1
−2
−3

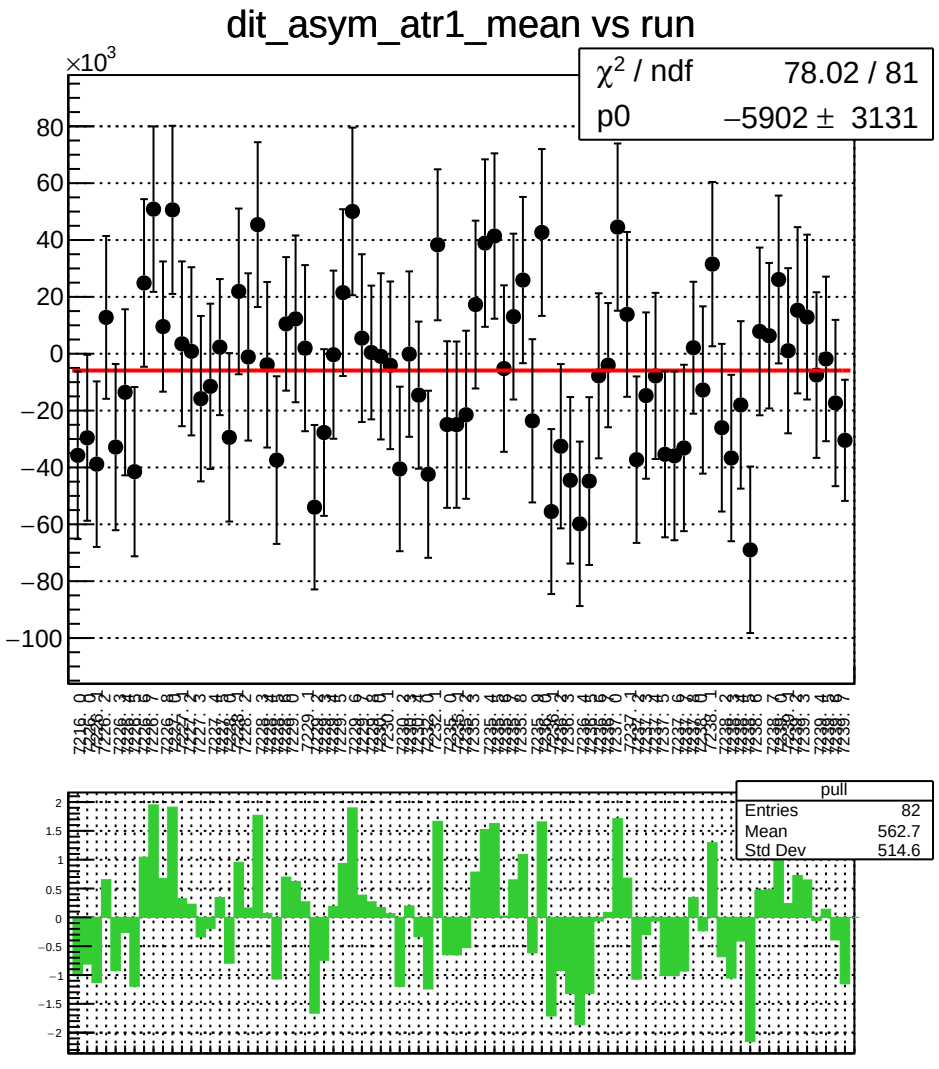

pull1D
Entries 82
Mean −0.007014
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

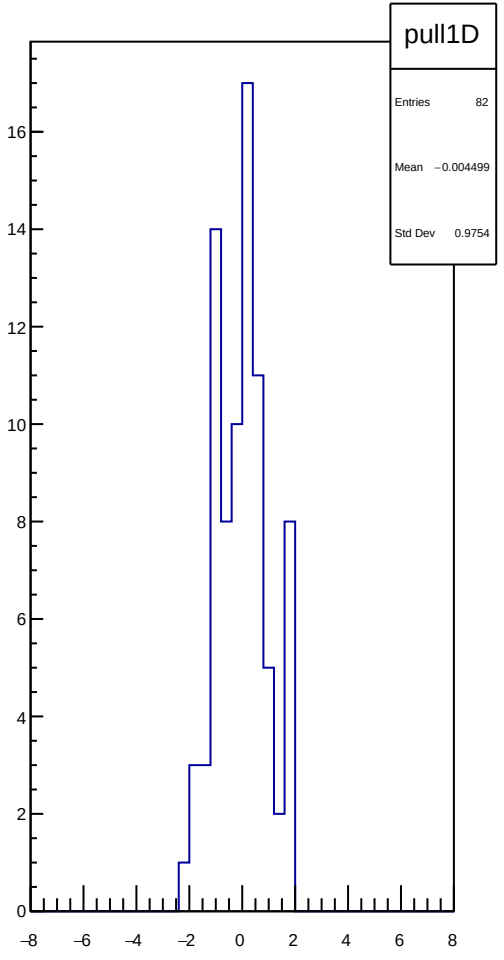

asym_atl2_correction_rms vs run
χ^2 / ndf 5815 / 81
p0 8690 ± 6.946
10500
10000
9500
9000
8500
8000
7500

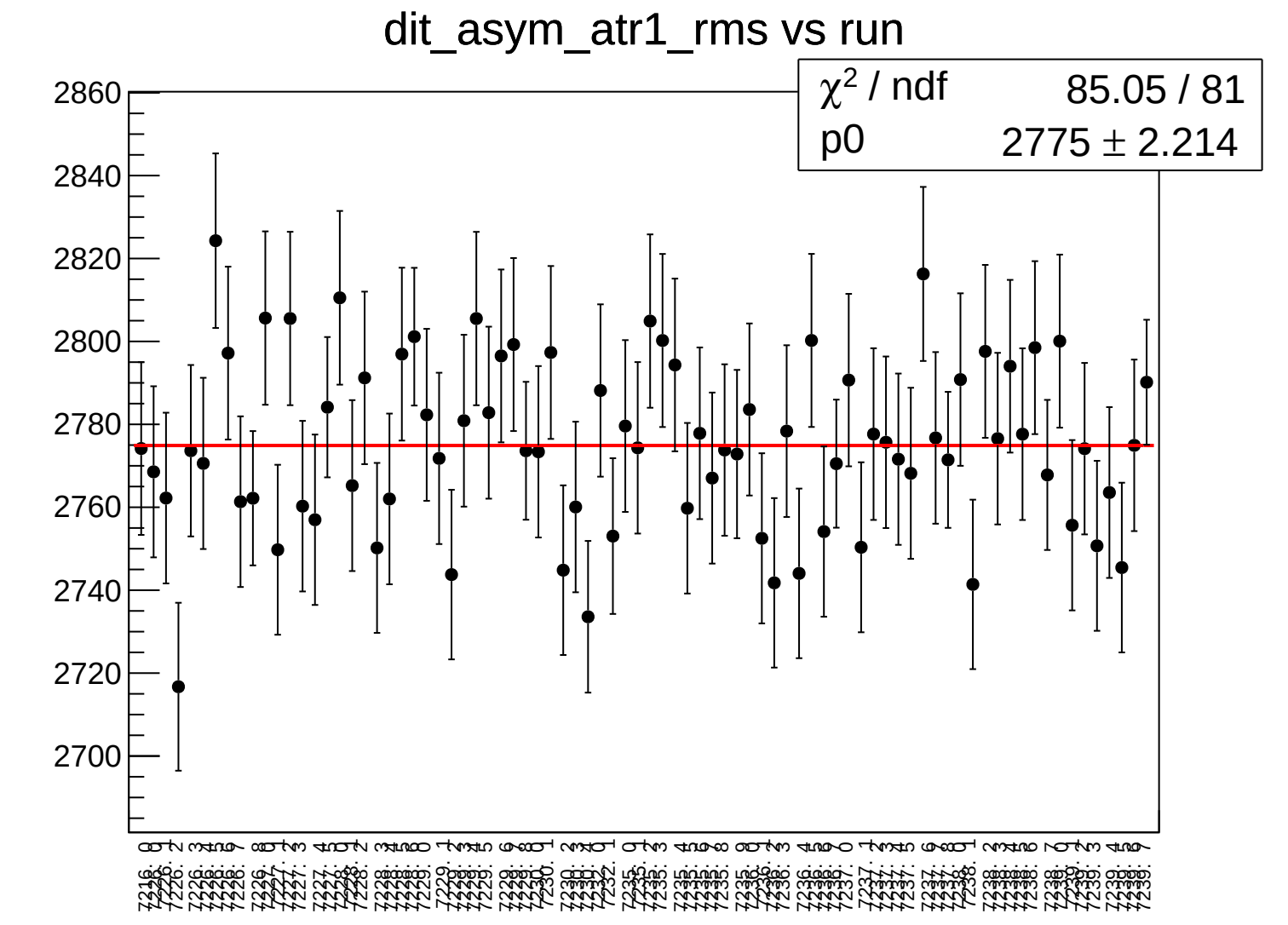

asym_atl2_mean vs run
×10^3
χ² / ndf 107.8 / 81
p0 −1.158e+04 ± 1.012e+04
pull
Entries 82
Mean 92.44
Std Dev 66.63

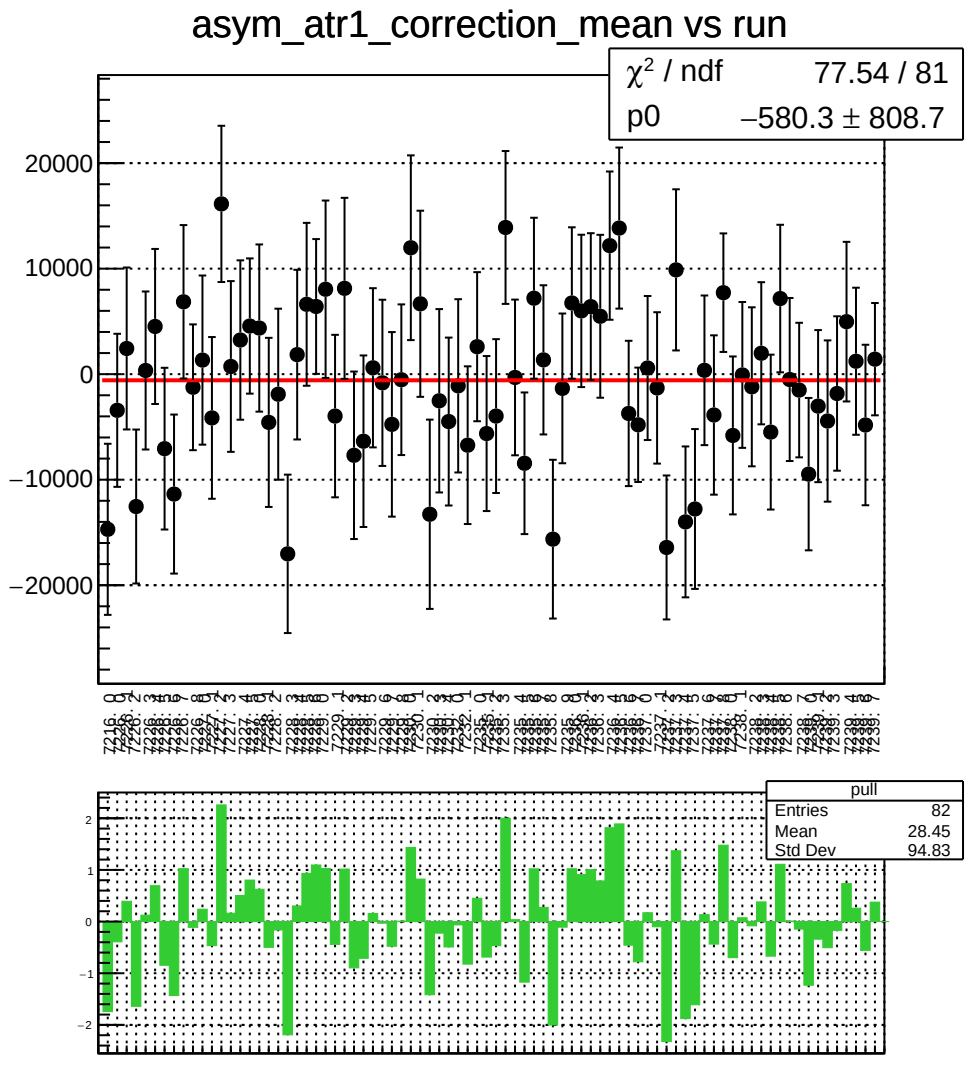

pull1D
Entries 82
Mean 0.008877
Std Dev 1.146

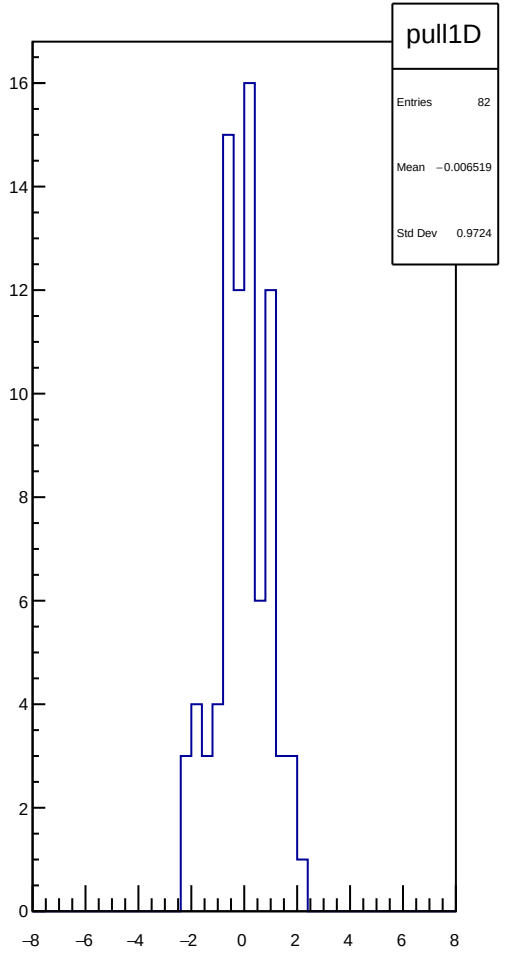

asym_atl2_rms vs run
χ² / ndf 6718 / 81
p0 8954 ± 7.159
12000
11000
10000
9000
8000

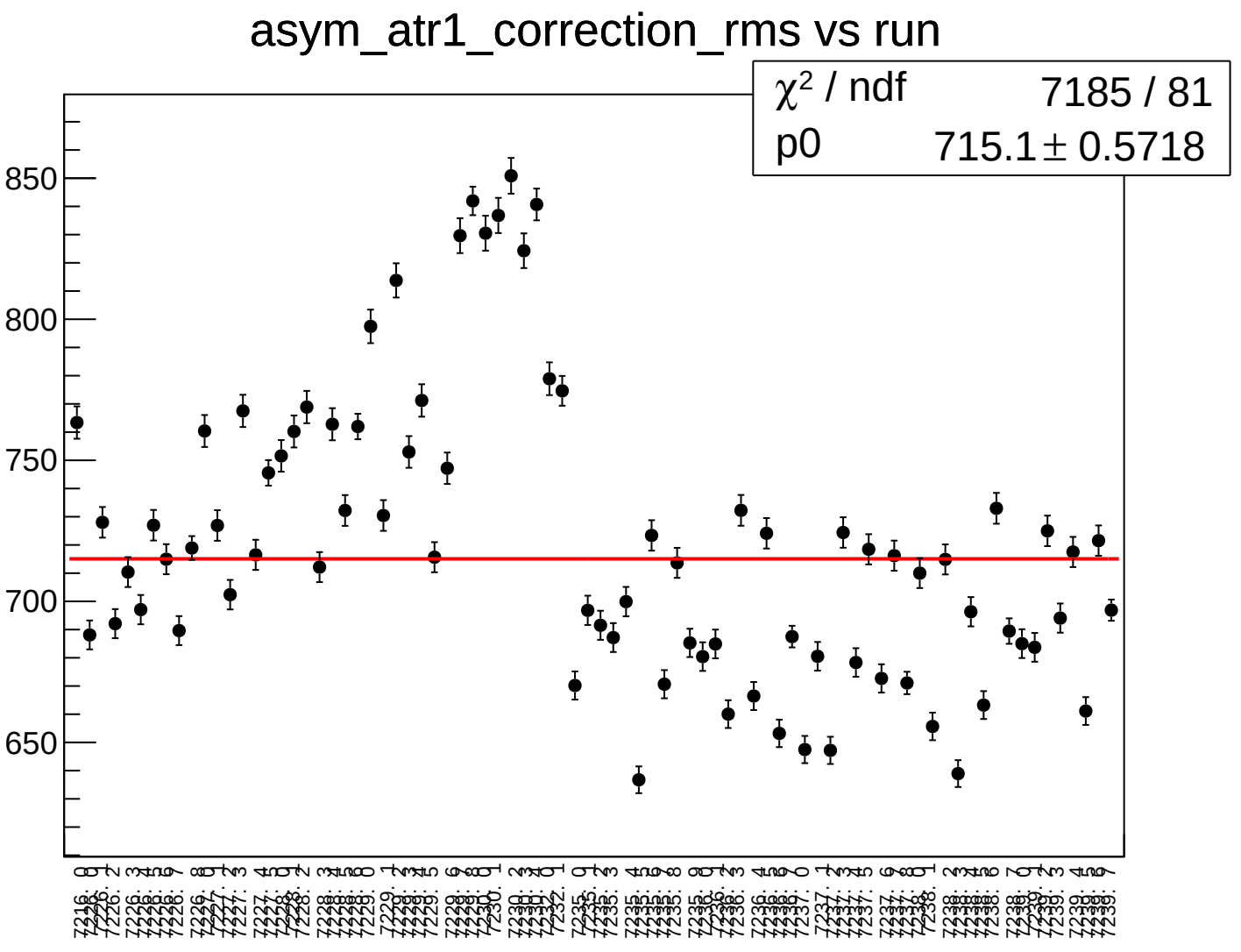

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 78.02 / 81
p0 −5902 ± 3131
pull
Entries 82
Mean 562.7
Std Dev 514.6

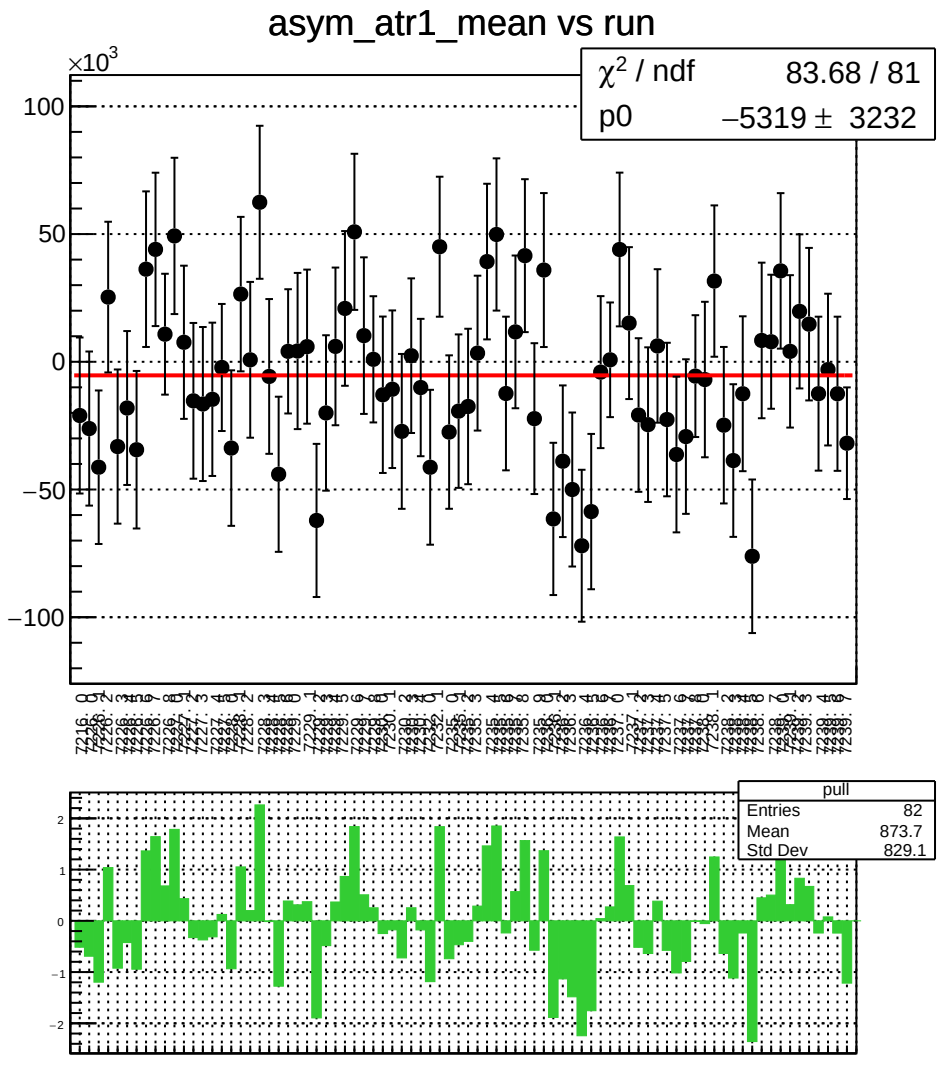

pull1D
Entries 82
Mean −0.004499
Std Dev 0.9754

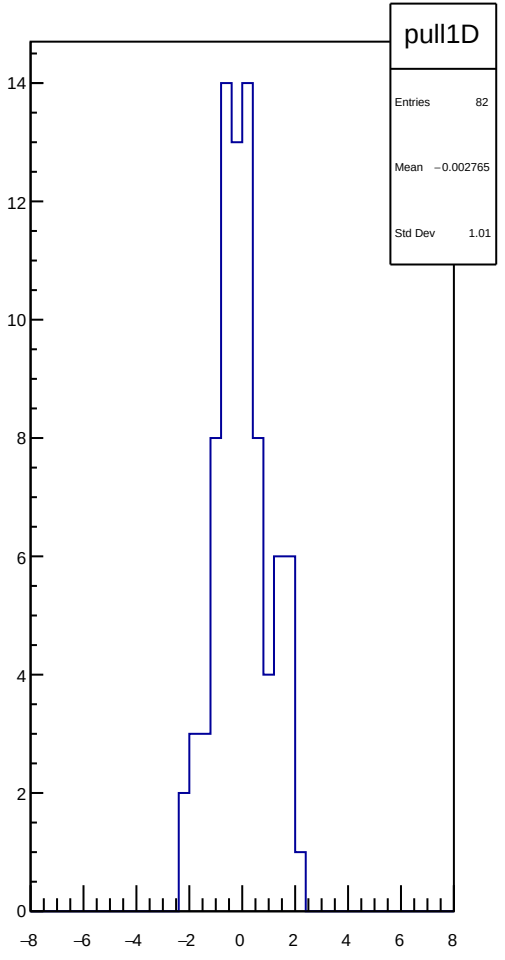

dit_asym_atr1_rms vs run
χ² / ndf 85.05 / 81
p0 2775 ± 2.214
2860
2840
2820
2800
2780
2760
2740
2720
2700

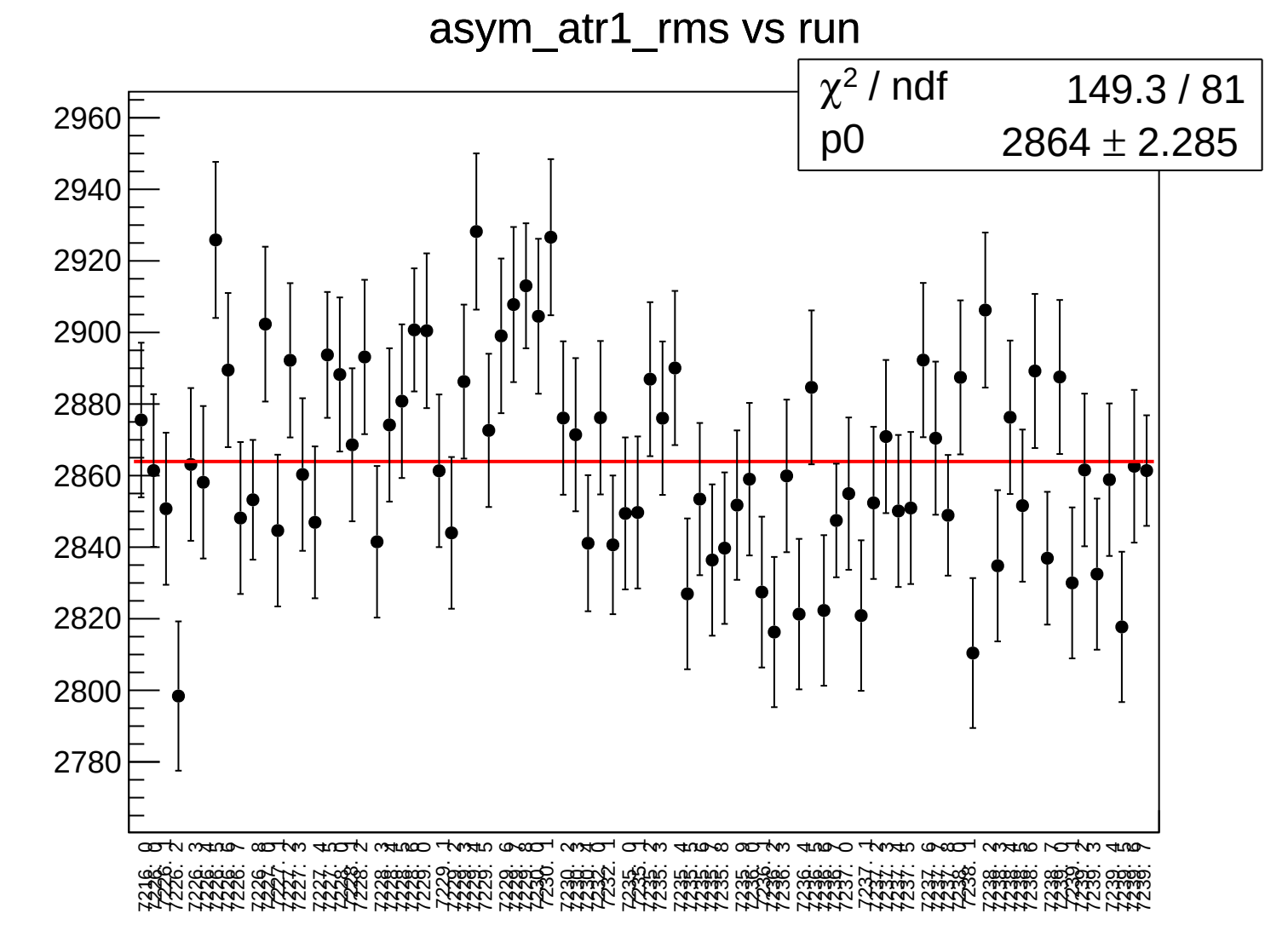

asym_atr1_correction_mean vs run
χ² / ndf 77.54 / 81
p0 −580.3 ± 808.7
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 28.45
Std Dev 94.83
2
1
0
−1
−2

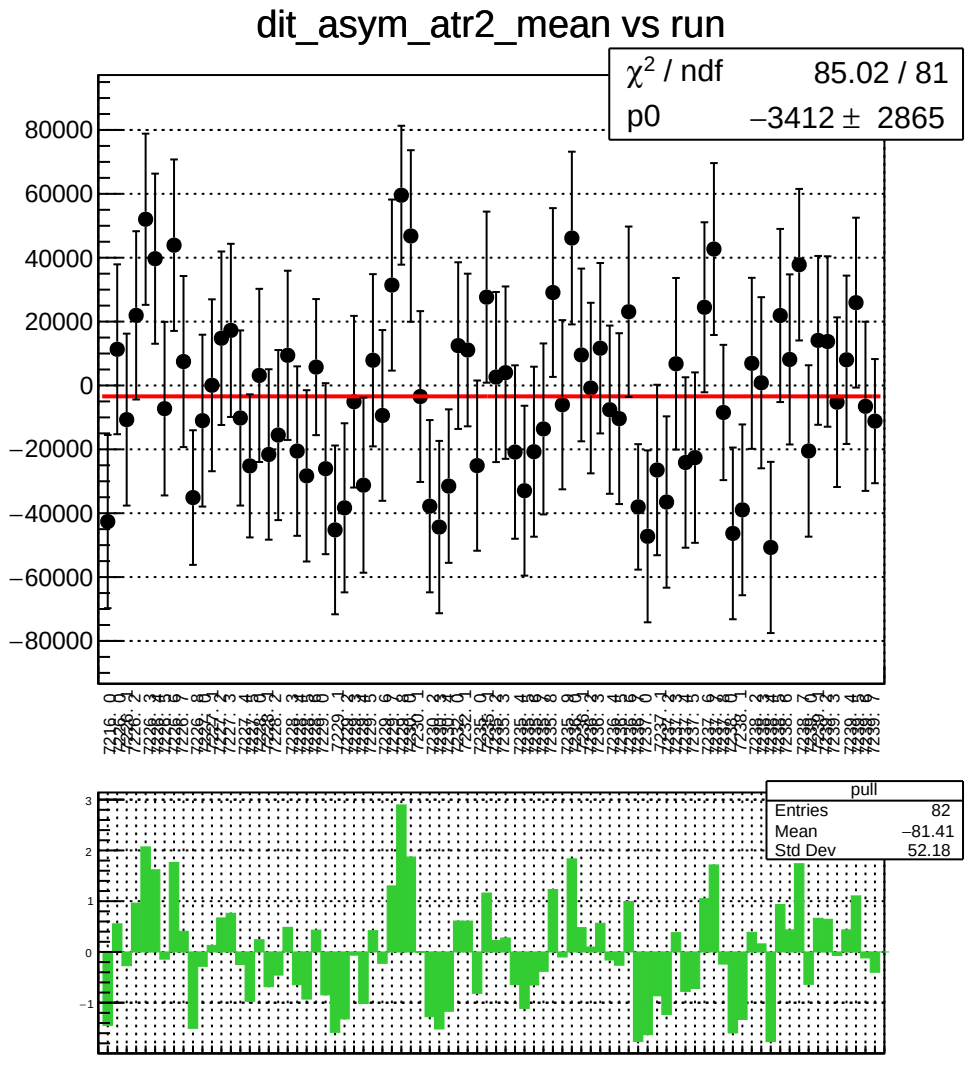

pull1D
Entries 82
Mean −0.006519
Std Dev 0.9724
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

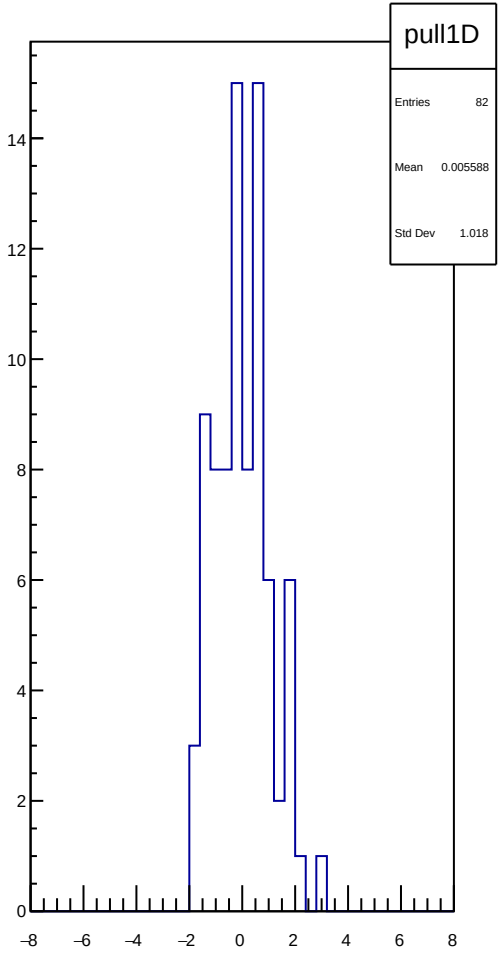

asym_atr1_correction_rms vs run
χ² / ndf 7185 / 81
p0 715.1 ± 0.5718
850
800
750
700
650

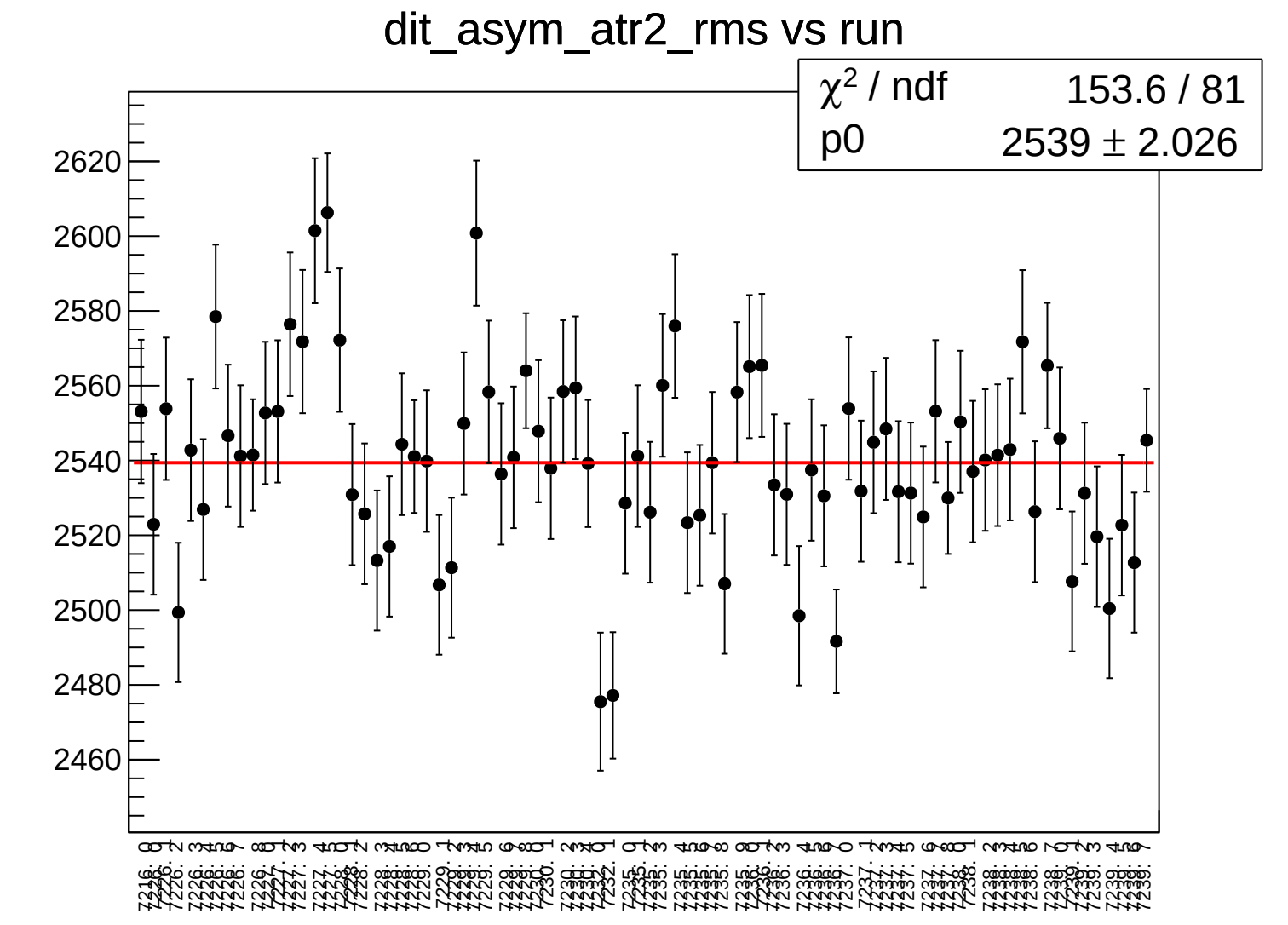

asym_atr1_mean vs run
×10^3
χ² / ndf 83.68 / 81
p0 −5319 ± 3232
100
50
0
−50
−100
pull
Entries 82
Mean 873.7
Std Dev 829.1
2
1
0
−1
−2

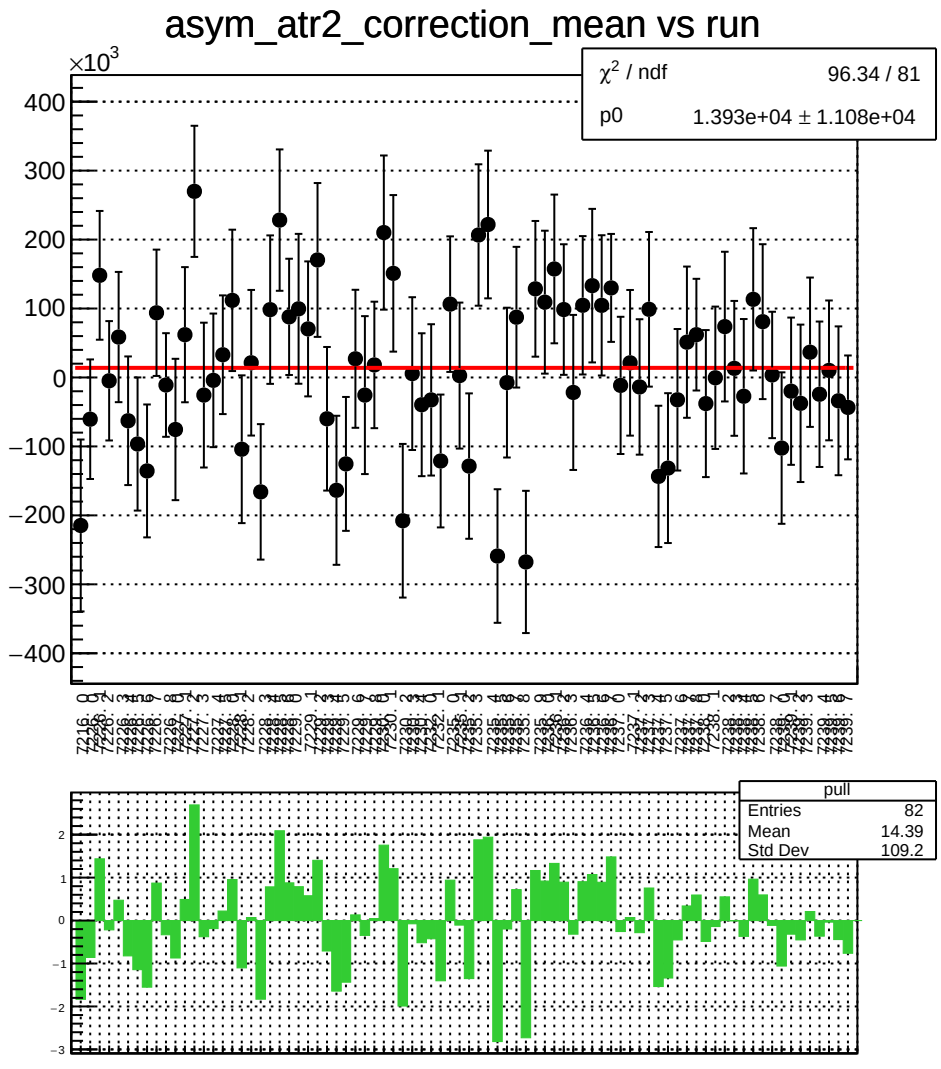

pull1D
Entries 82
Mean −0.002765
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

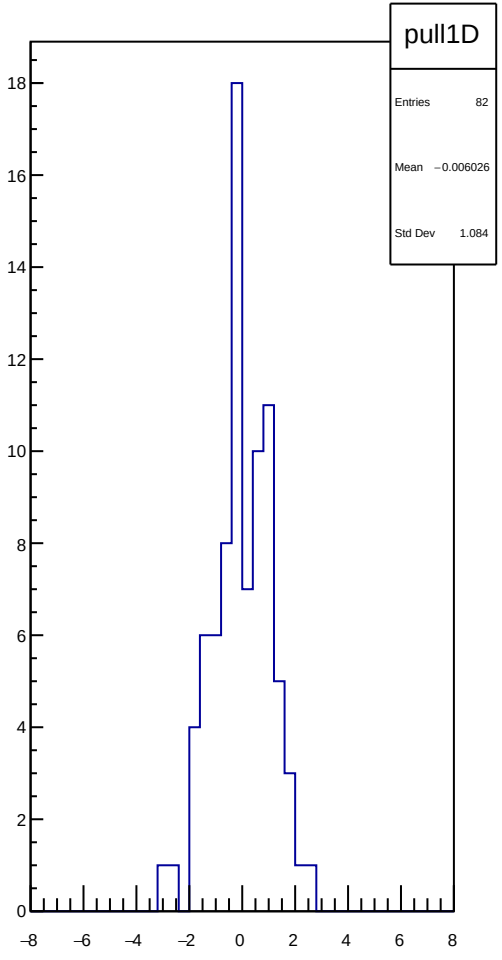

asym_atr1_rms vs run
χ^2 / ndf 149.3 / 81
p0 2864 ± 2.285
2960
2940
2920
2900
2880
2860
2840
2820
2800
2780

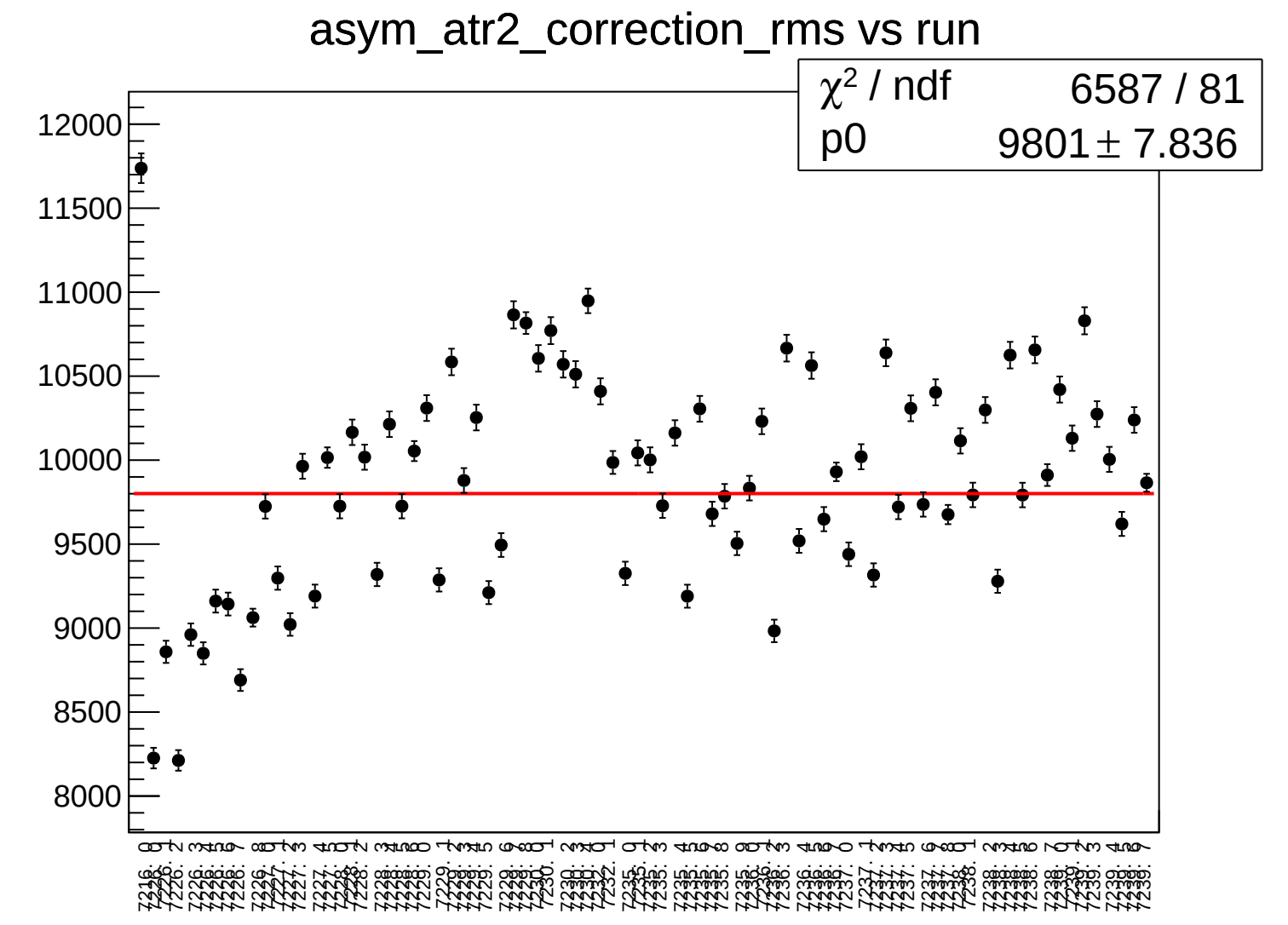

dit_asym_atr2_mean vs run
χ² / ndf 85.02 / 81
p0 −3412 ± 2865
pull
Entries 82
Mean −81.41
Std Dev 52.18

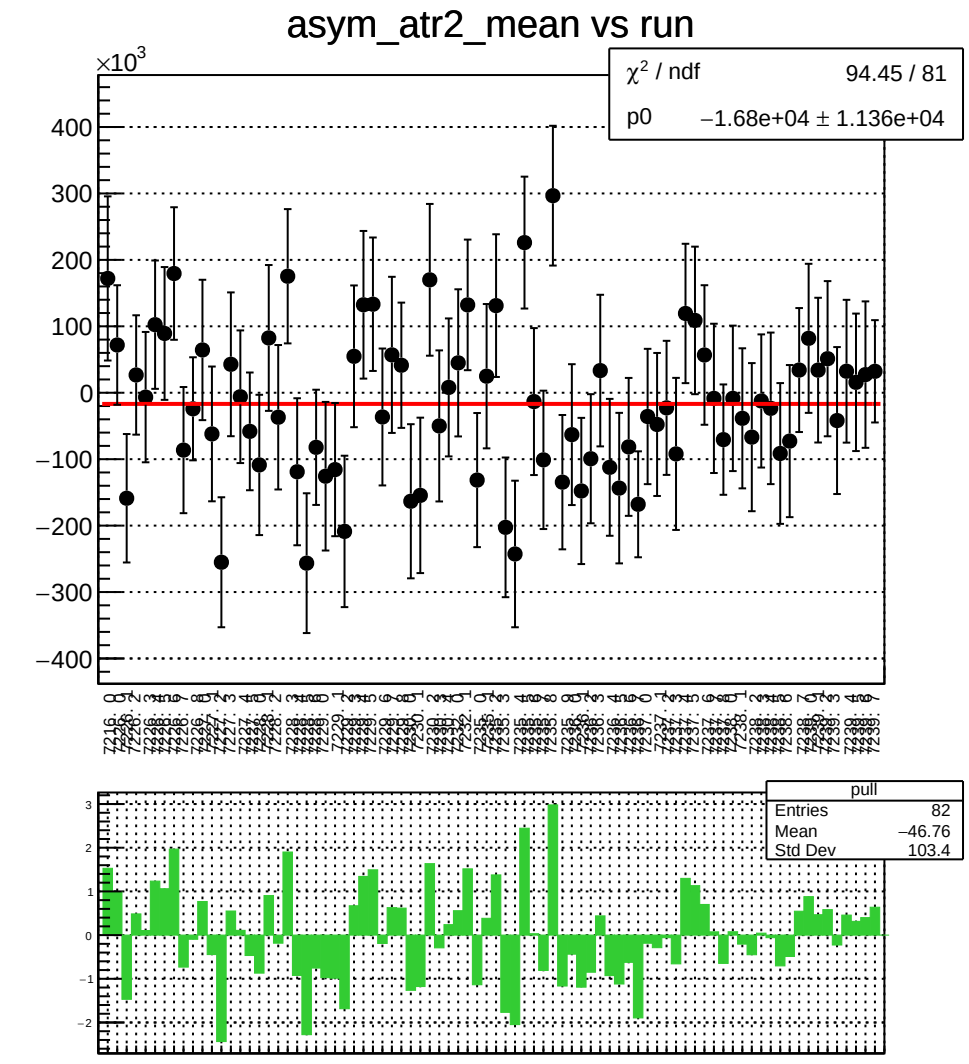

pull1D
Entries 82
Mean 0.005588
Std Dev 1.018

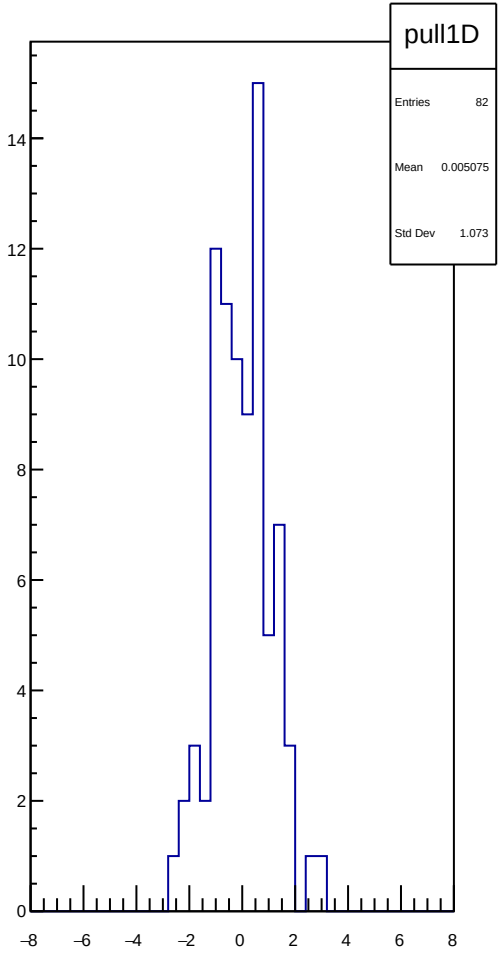

dit_asym_atr2_rms vs run
χ² / ndf 153.6 / 81
p0 2539 ± 2.026
2620
2600
2580
2560
2540
2520
2500
2480
2460

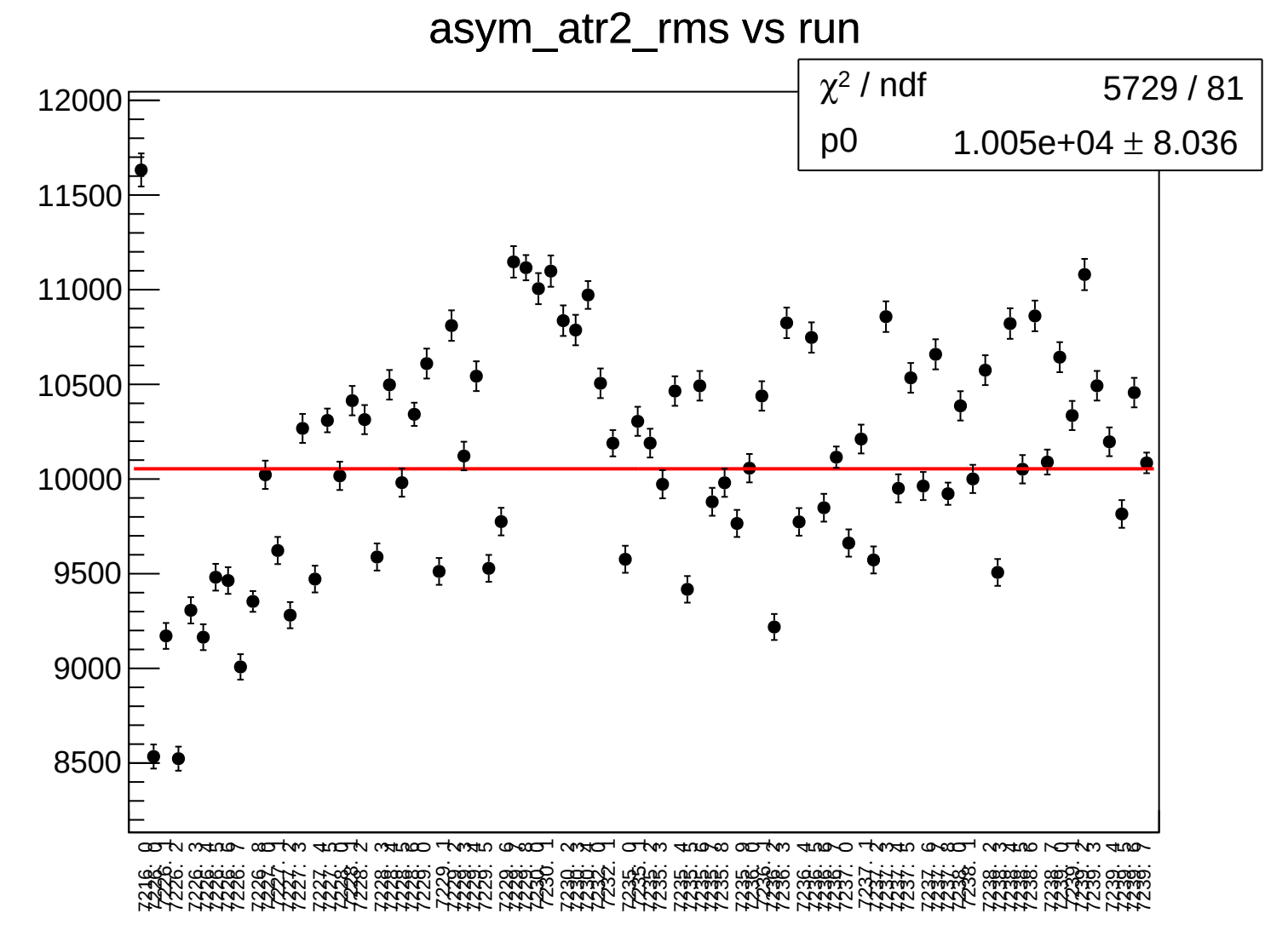

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 96.34 / 81
p0 1.393e+04 ± 1.108e+04
pull
Entries 82
Mean 14.39
Std Dev 109.2

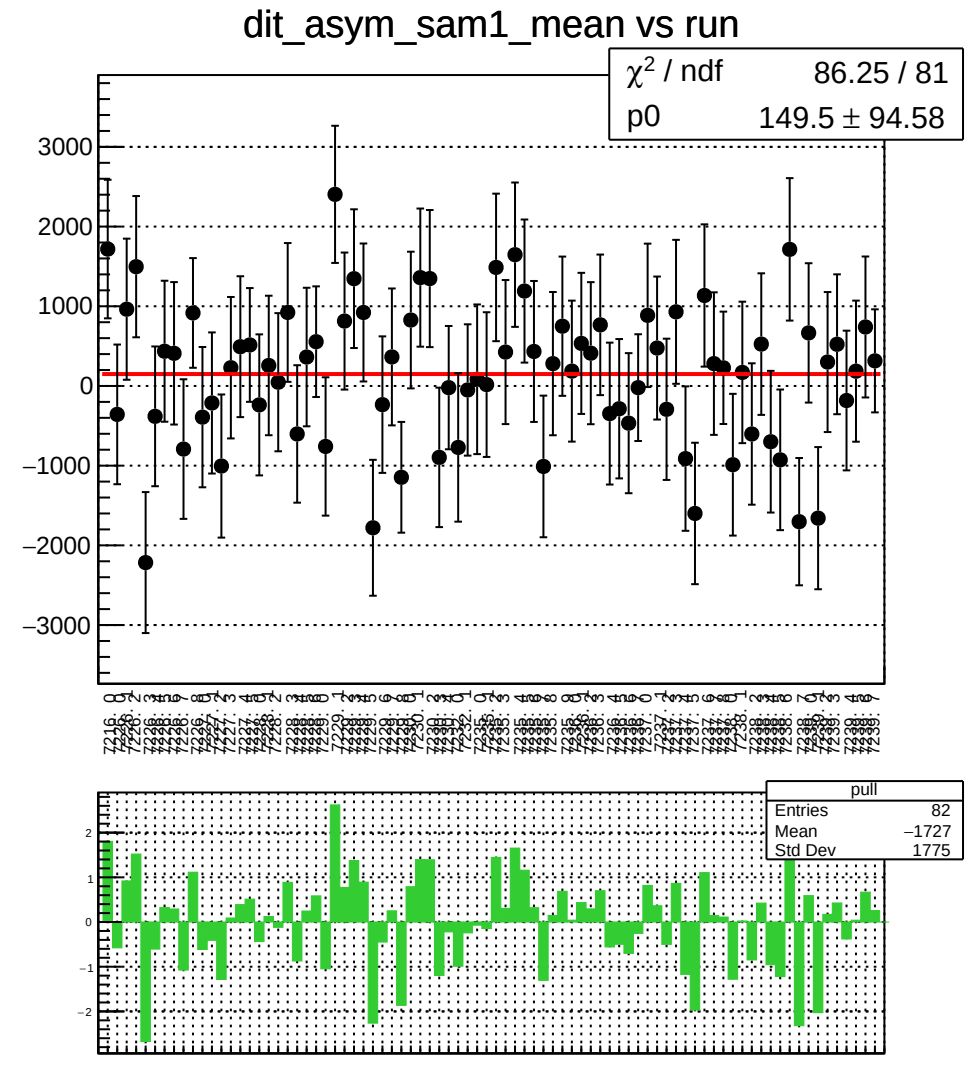

pull1D
Entries 82
Mean −0.006026
Std Dev 1.084

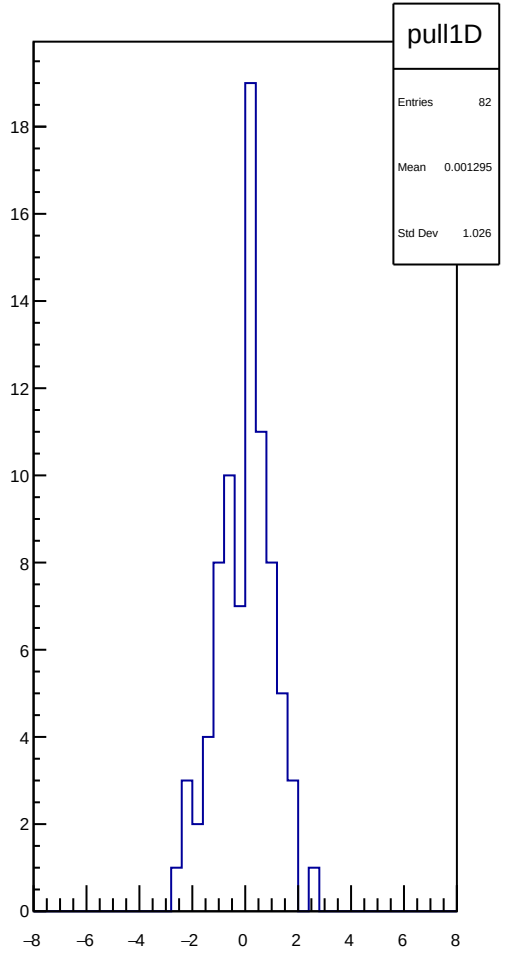

asym_atr2_correction_rms vs run
χ² / ndf 6587 / 81
p0 9801 ± 7.836
12000
11500
11000
10500
10000
9500
9000
8500
8000

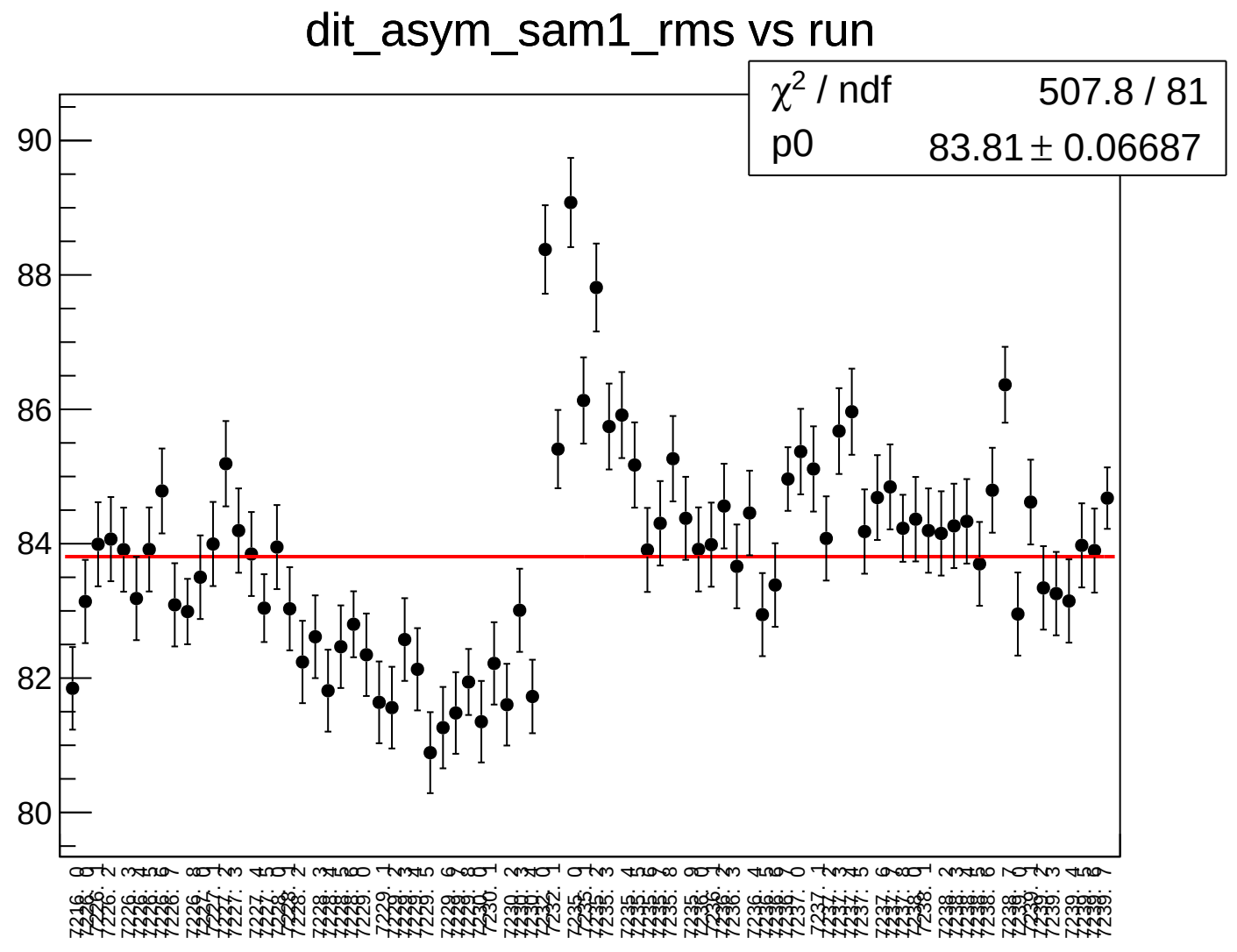

asym_atr2_mean vs run
×10^3
χ² / ndf 94.45 / 81
p0 −1.68e+04 ± 1.136e+04
pull
Entries 82
Mean −46.76
Std Dev 103.4

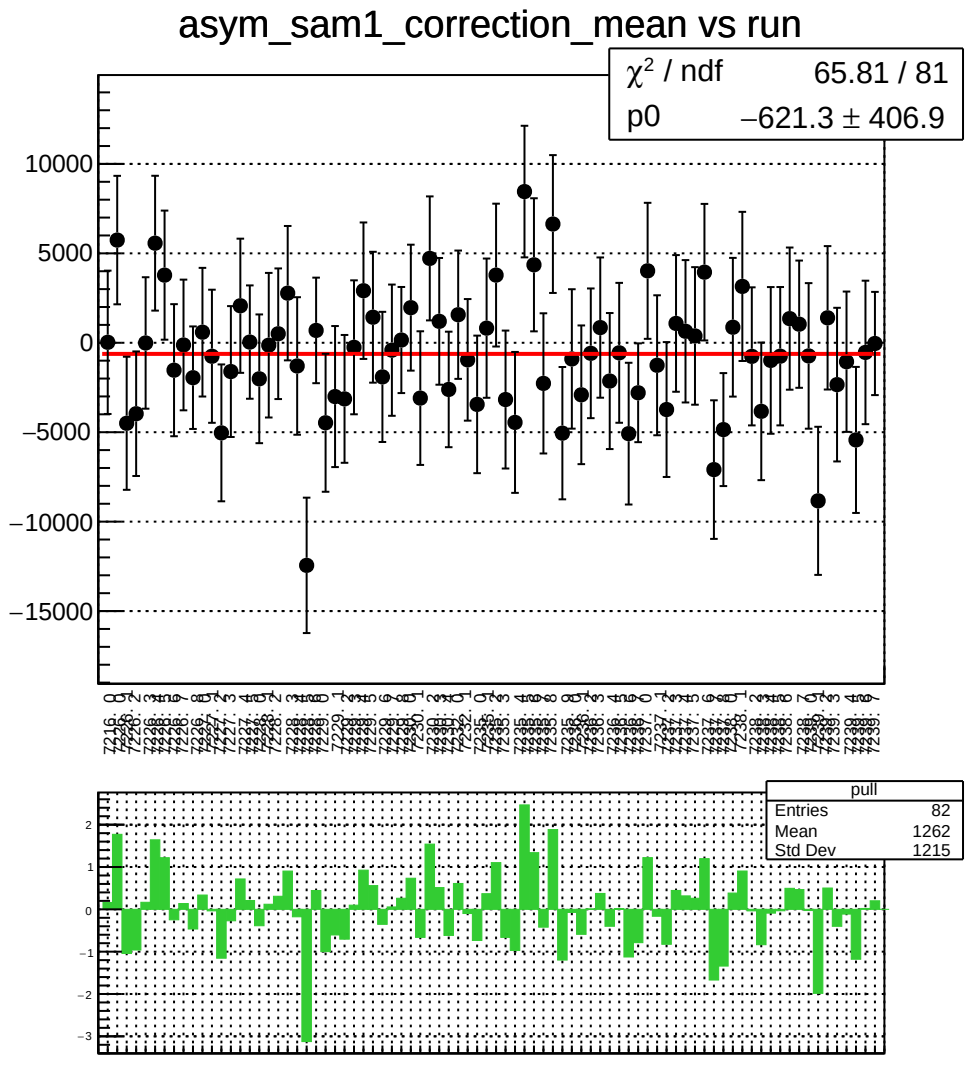

pull1D
Entries 82
Mean 0.005075
Std Dev 1.073

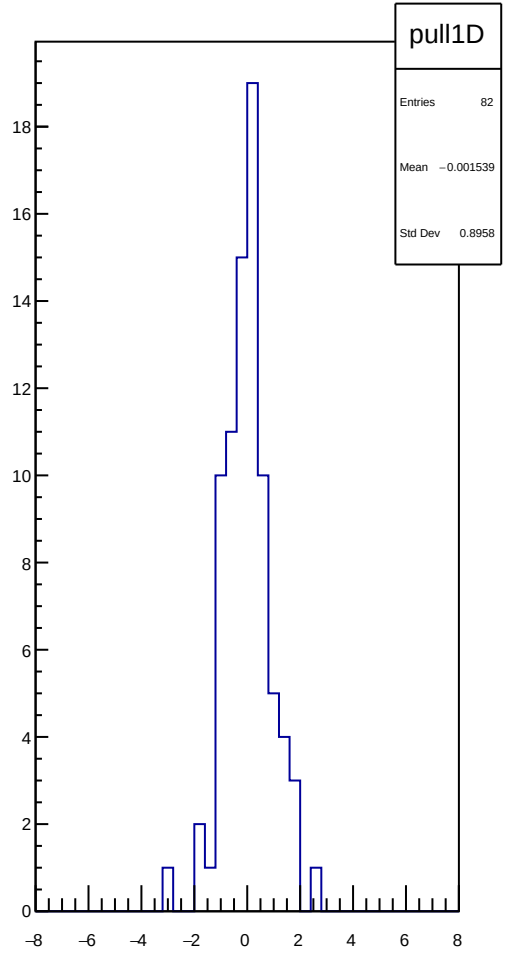

asym_atr2_rms vs run
χ² / ndf 5729 / 81
p0 1.005e+04 ± 8.036
12000
11500
11000
10500
10000
9500
9000
8500

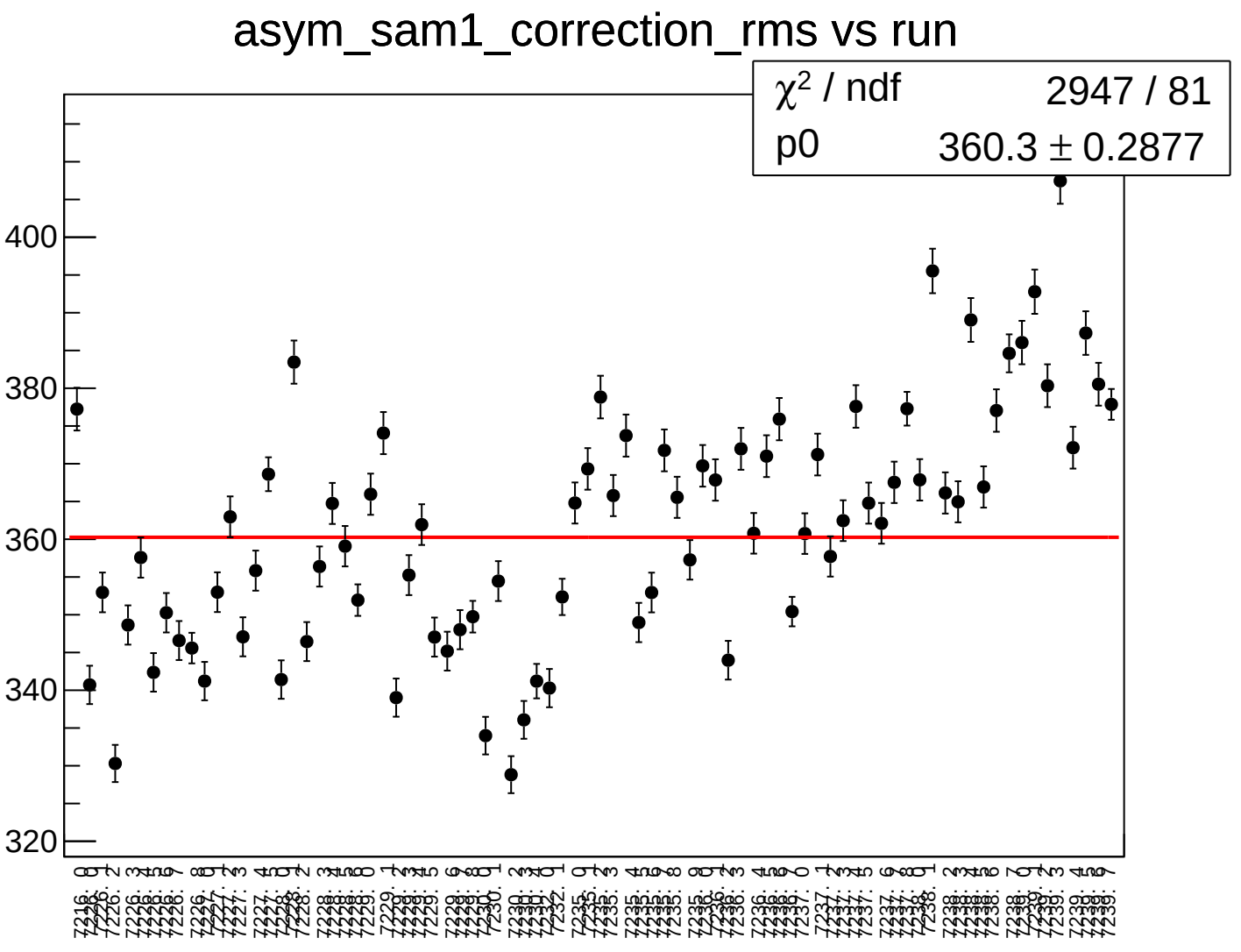

dit_asym_sam1_mean vs run
χ² / ndf 86.25 / 81
p0 149.5 ± 94.58
pull
Entries 82
Mean −1727
Std Dev 1775

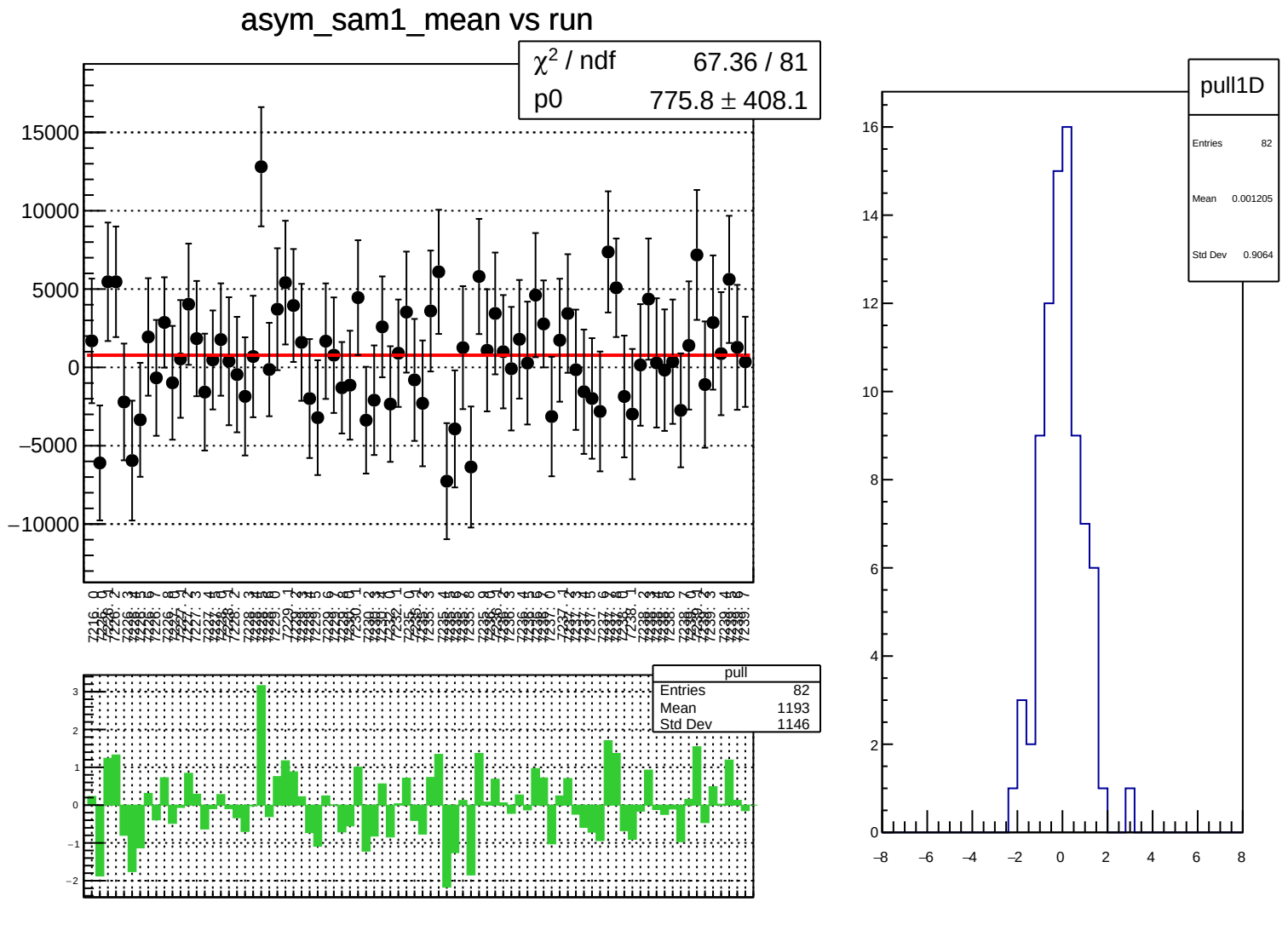

pull1D
Entries 82
Mean 0.001295
Std Dev 1.026

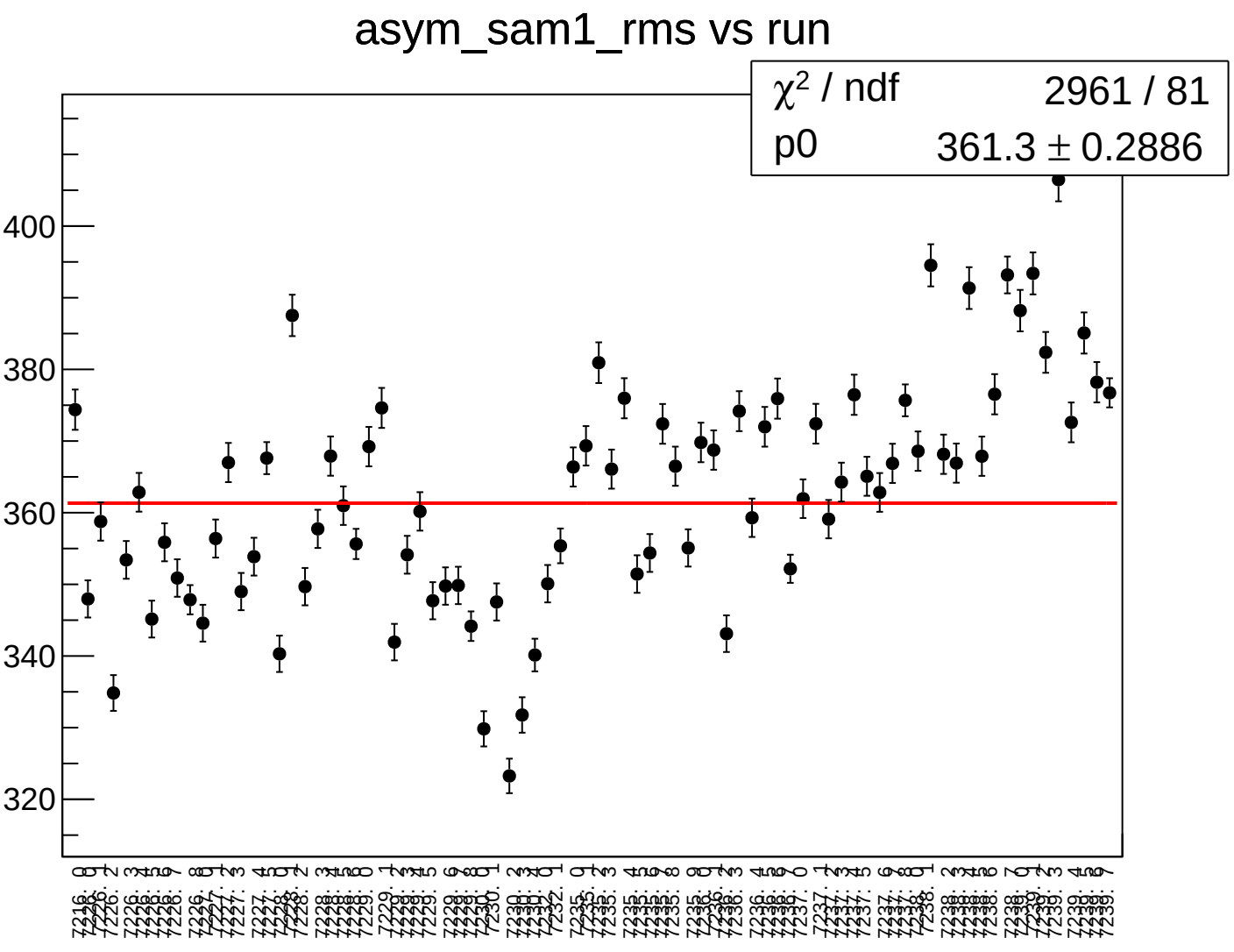

dit_asym_sam1_rms vs run
χ² / ndf 507.8 / 81
p0 83.81 ± 0.06687
90
88
86
84
82
80

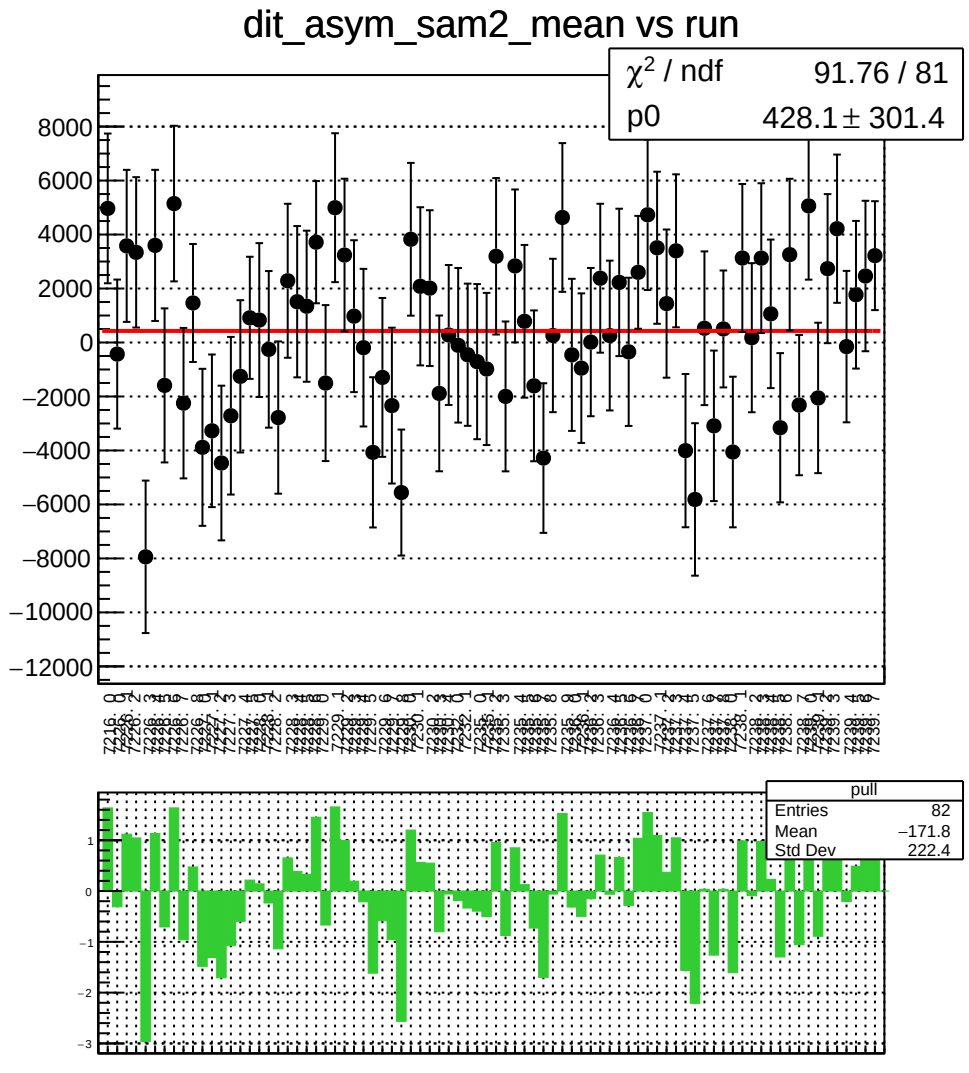

asym_sam1_correction_mean vs run
χ² / ndf 65.81 / 81
p0 −621.3 ± 406.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 1262
Std Dev 1215
2
1
0
−1
−2
−3

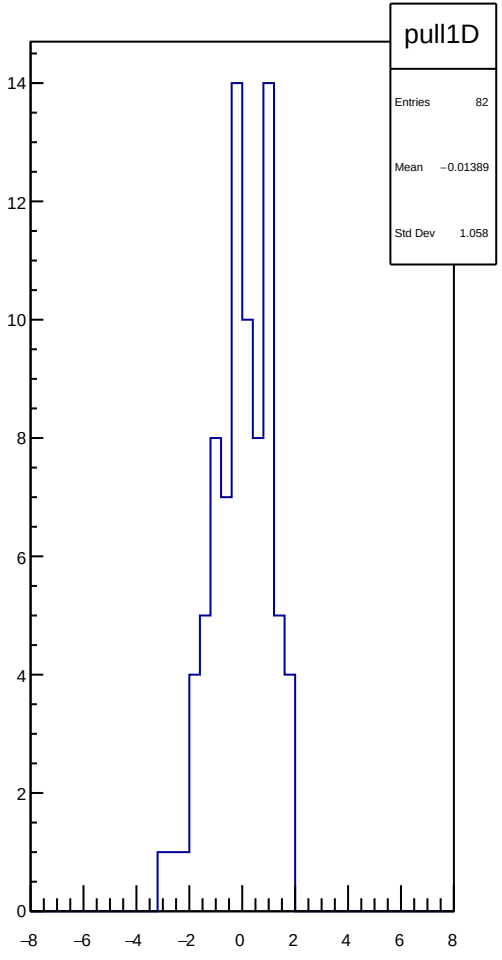

pull1D
Entries 82
Mean −0.001539
Std Dev 0.8958
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

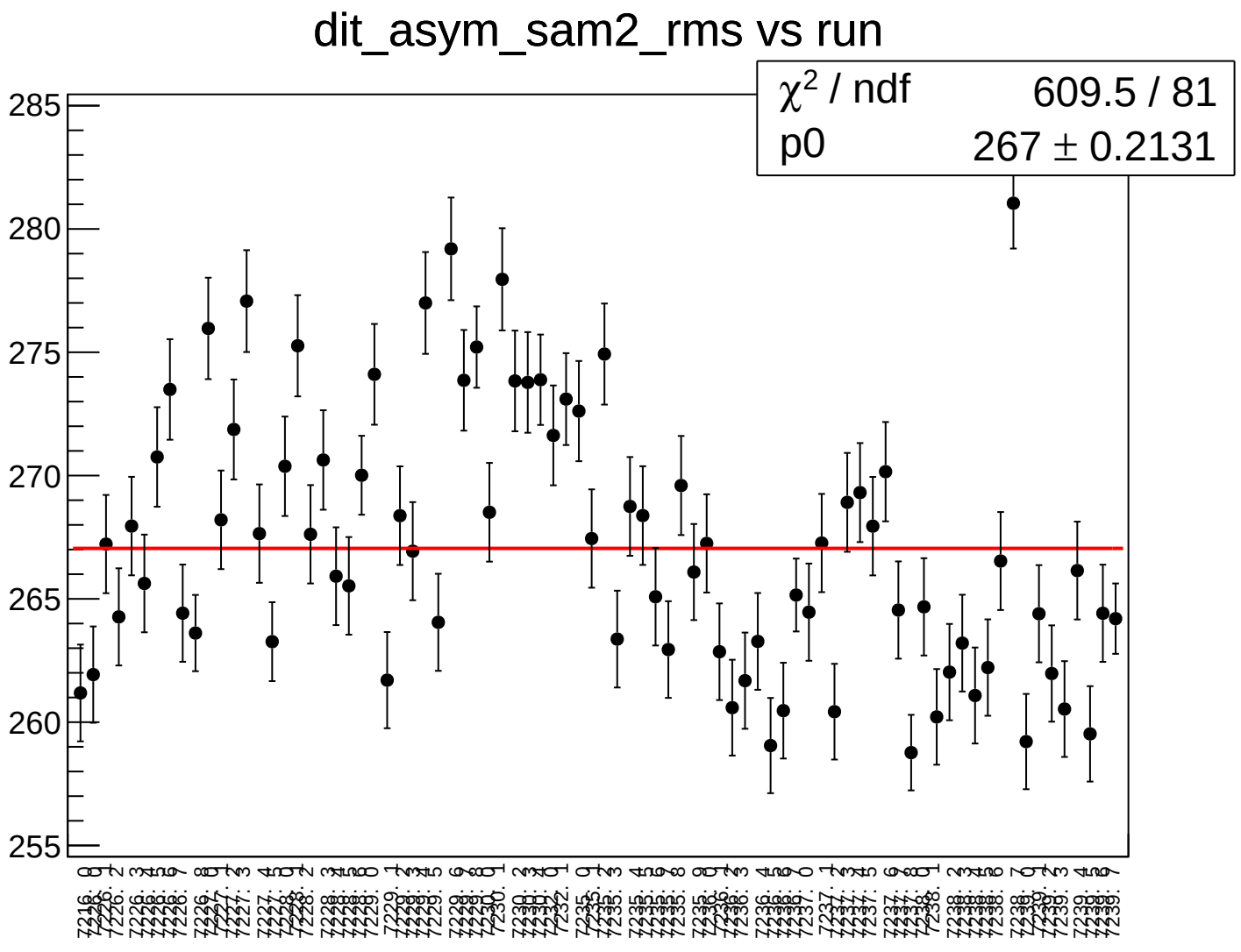

asym_sam1_correction_rms vs run
χ² / ndf 2947 / 81
p0 360.3 ± 0.2877
400
380
360
340
320

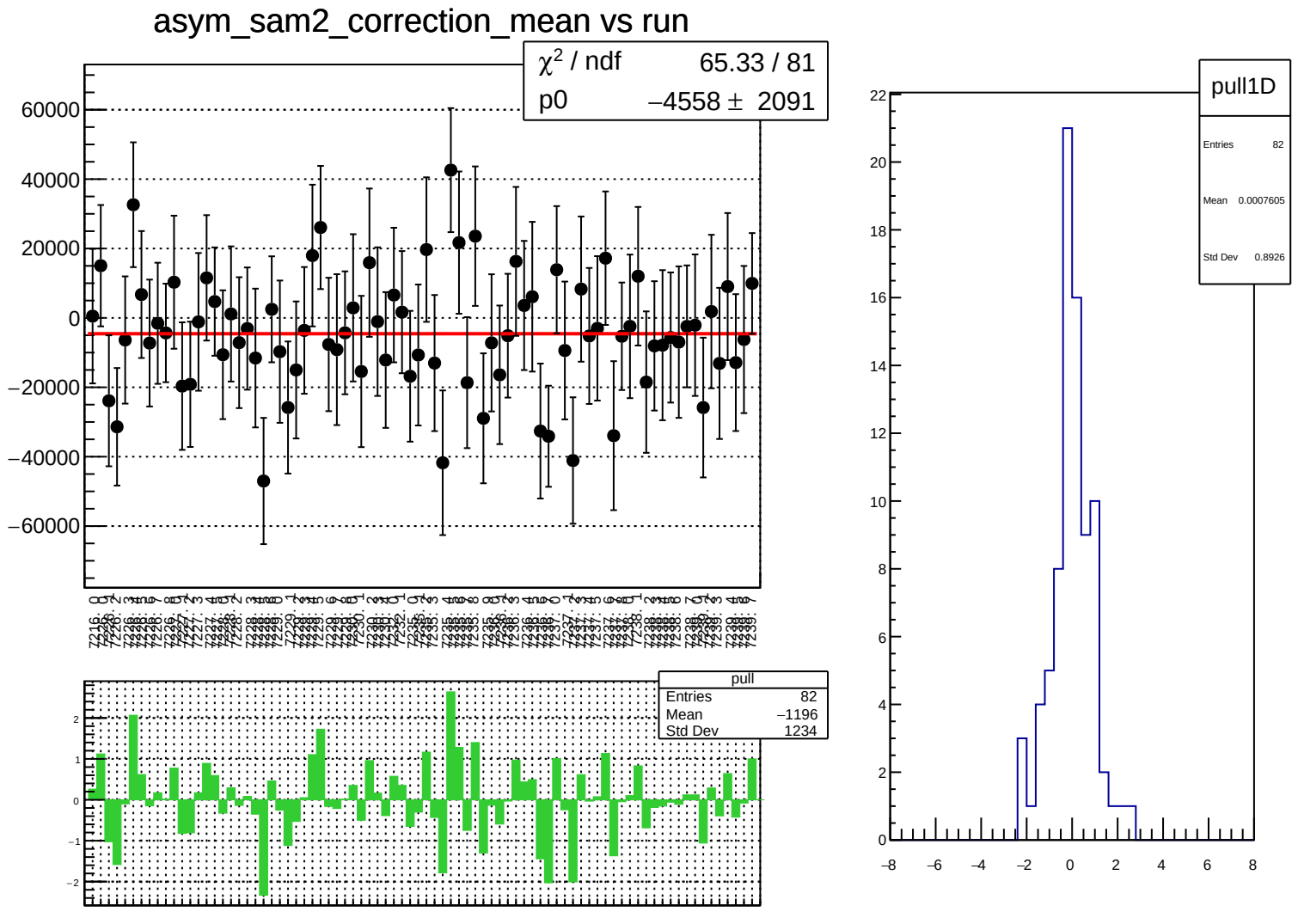

asym_sam1_mean vs run
χ² / ndf 67.36 / 81
p0 775.8 ± 408.1
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1193
Std Dev 1146
pull1D
Entries 82
Mean 0.001205
Std Dev 0.9064

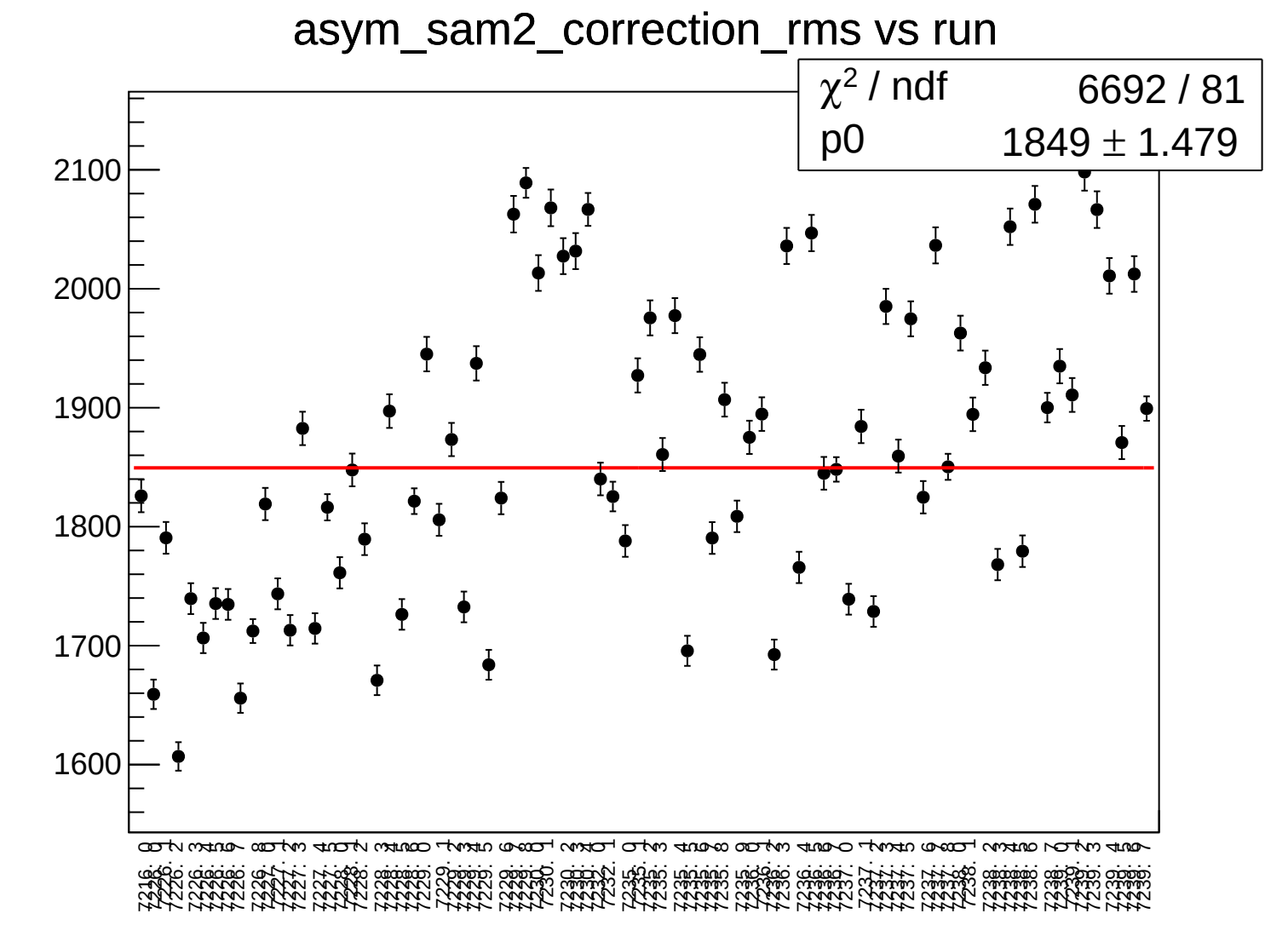

asym_sam1_rms vs run
χ² / ndf 2961 / 81
p0 361.3 ± 0.2886
400
380
360
340
320

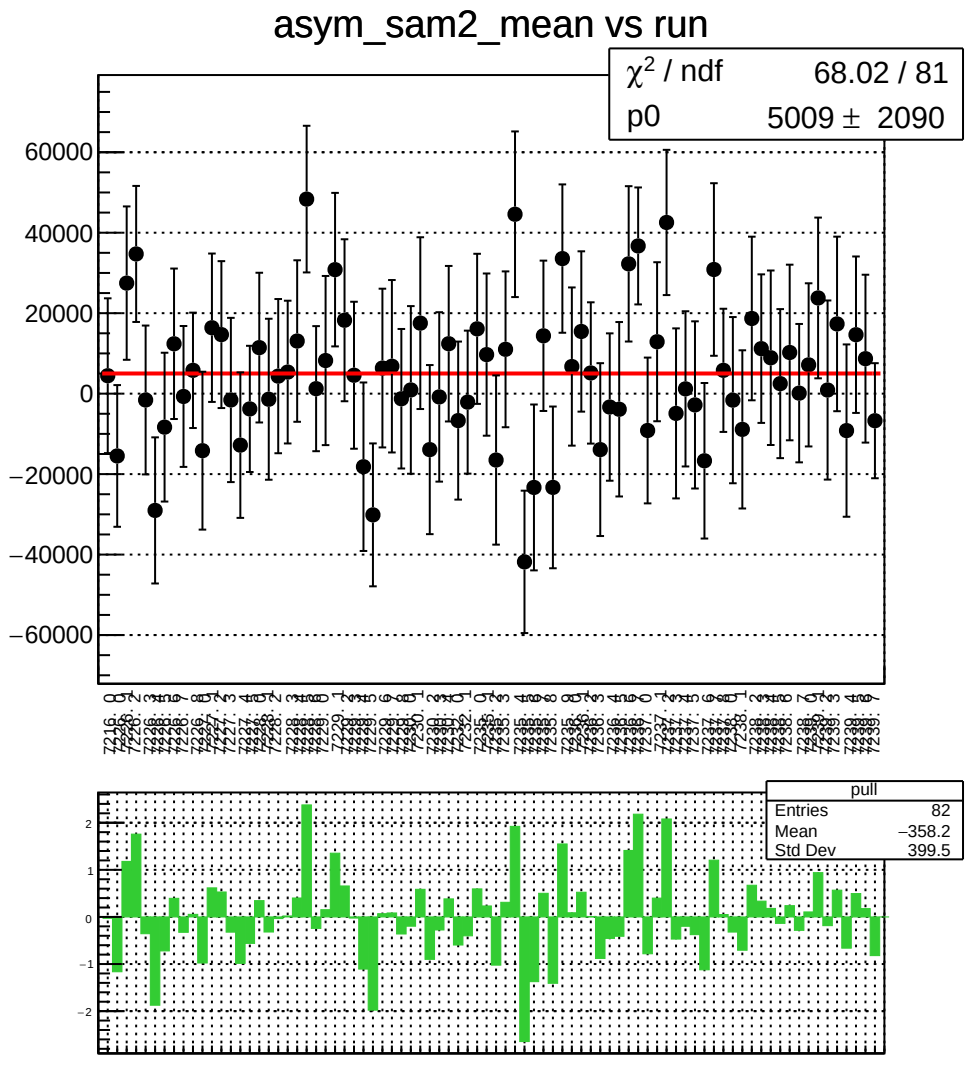

dit_asym_sam2_mean vs run
χ² / ndf 91.76 / 81
p0 428.1 ± 301.4
pull
Entries 82
Mean −171.8
Std Dev 222.4

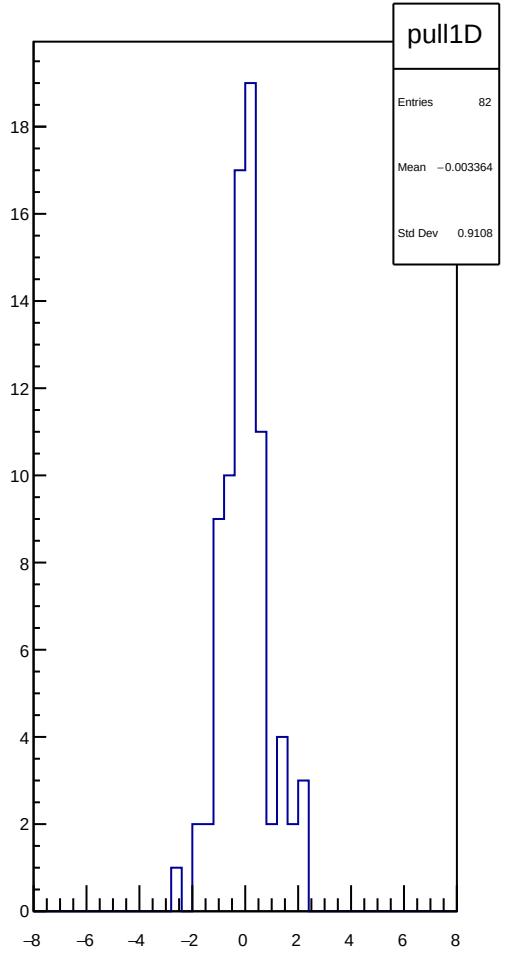

pull1D
Entries 82
Mean −0.01389
Std Dev 1.058

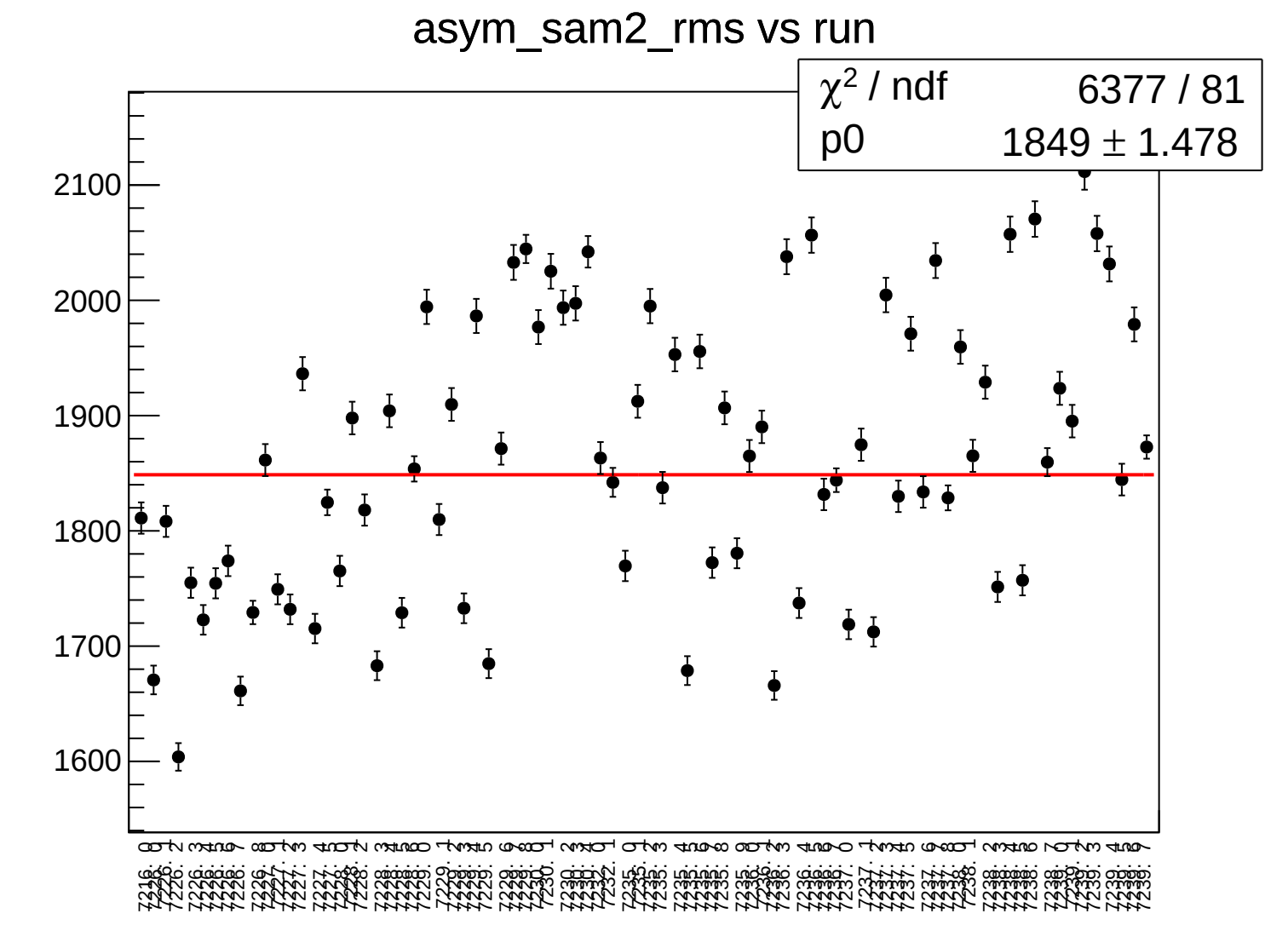

dit_asym_sam2_rms vs run
χ² / ndf 609.5 / 81
p0 267 ± 0.2131
285
280
275
270
265
260
255

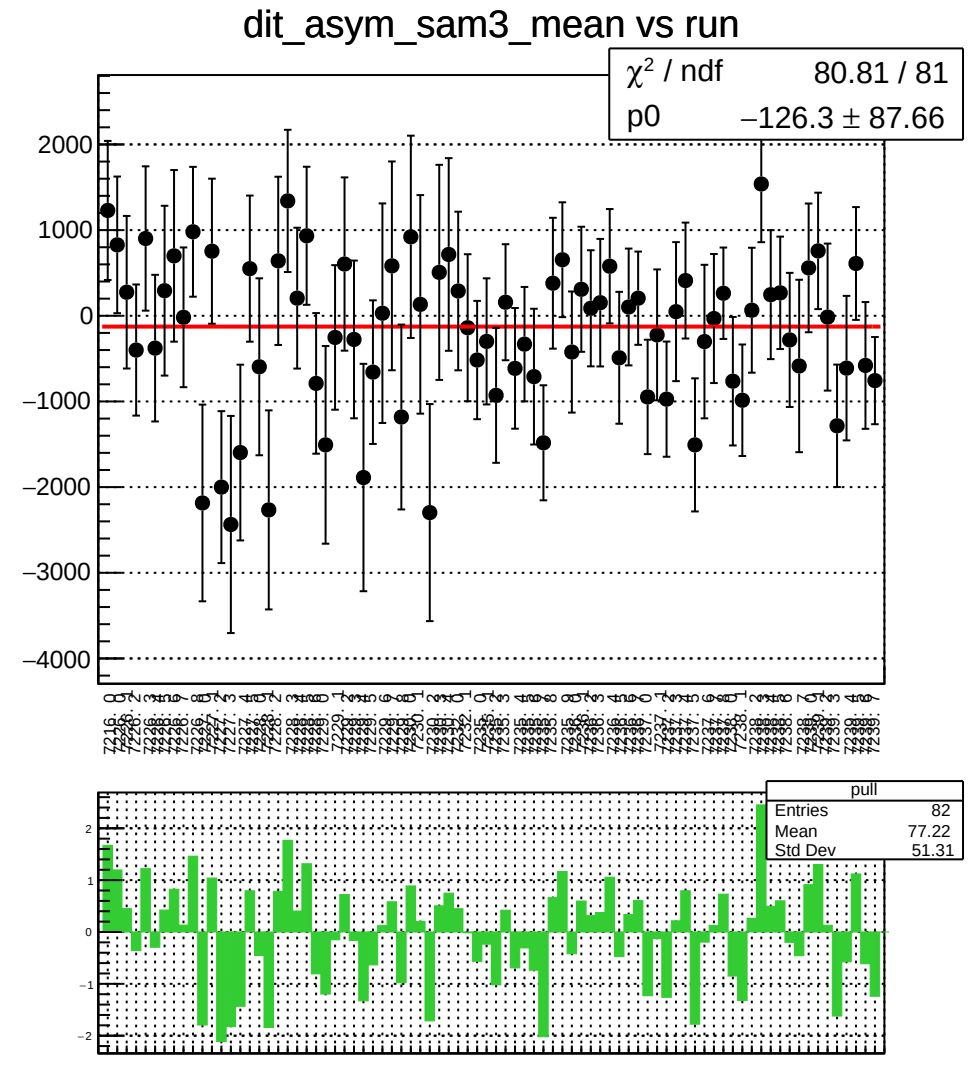

asym_sam2_correction_mean vs run
χ² / ndf 65.33 / 81
p0 −4558 ± 2091
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1196
Std Dev 1234
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0007605
Std Dev 0.8926
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

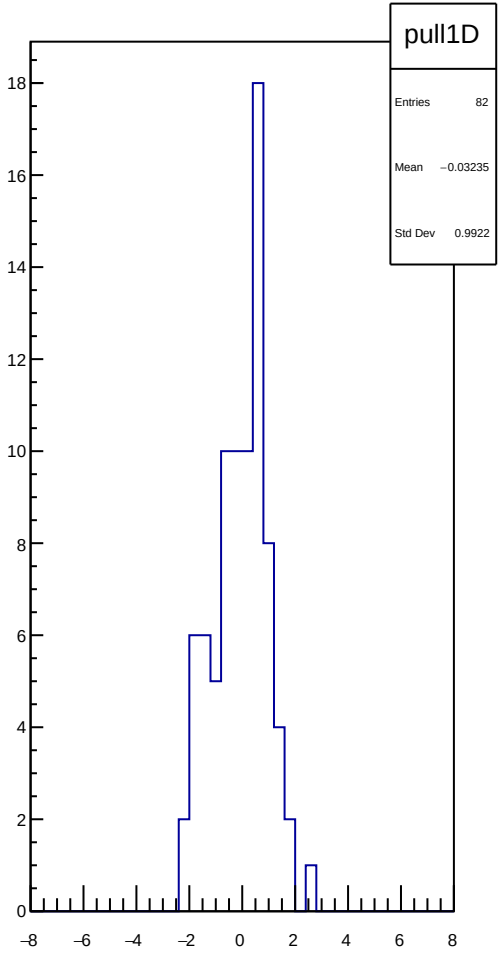

asym_sam2_correction_rms vs run
χ² / ndf 6692 / 81
p0 1849 ± 1.479
2100
2000
1900
1800
1700
1600

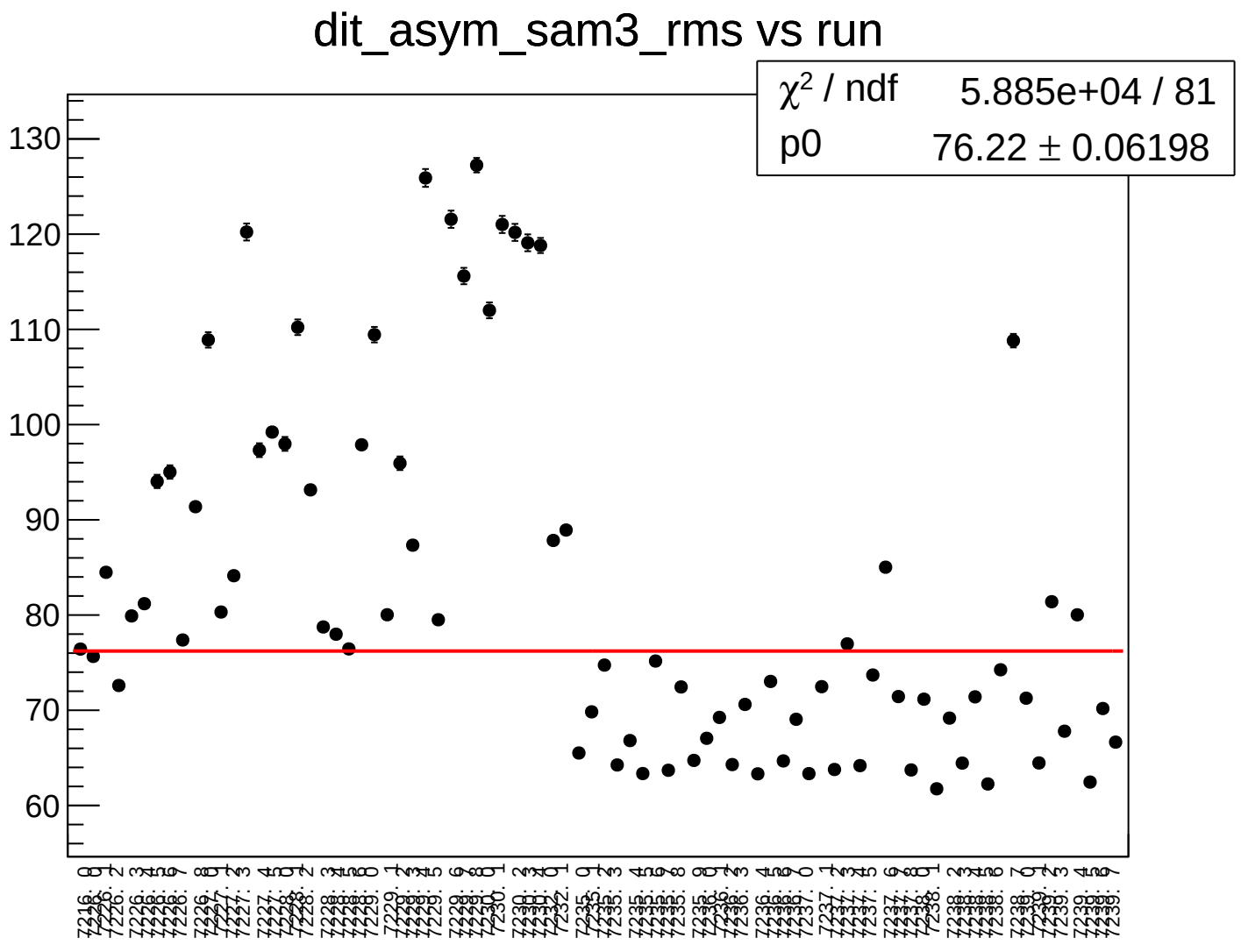

asym_sam2_mean vs run
χ² / ndf 68.02 / 81
p0 5009 ± 2090
pull
Entries 82
Mean −358.2
Std Dev 399.5

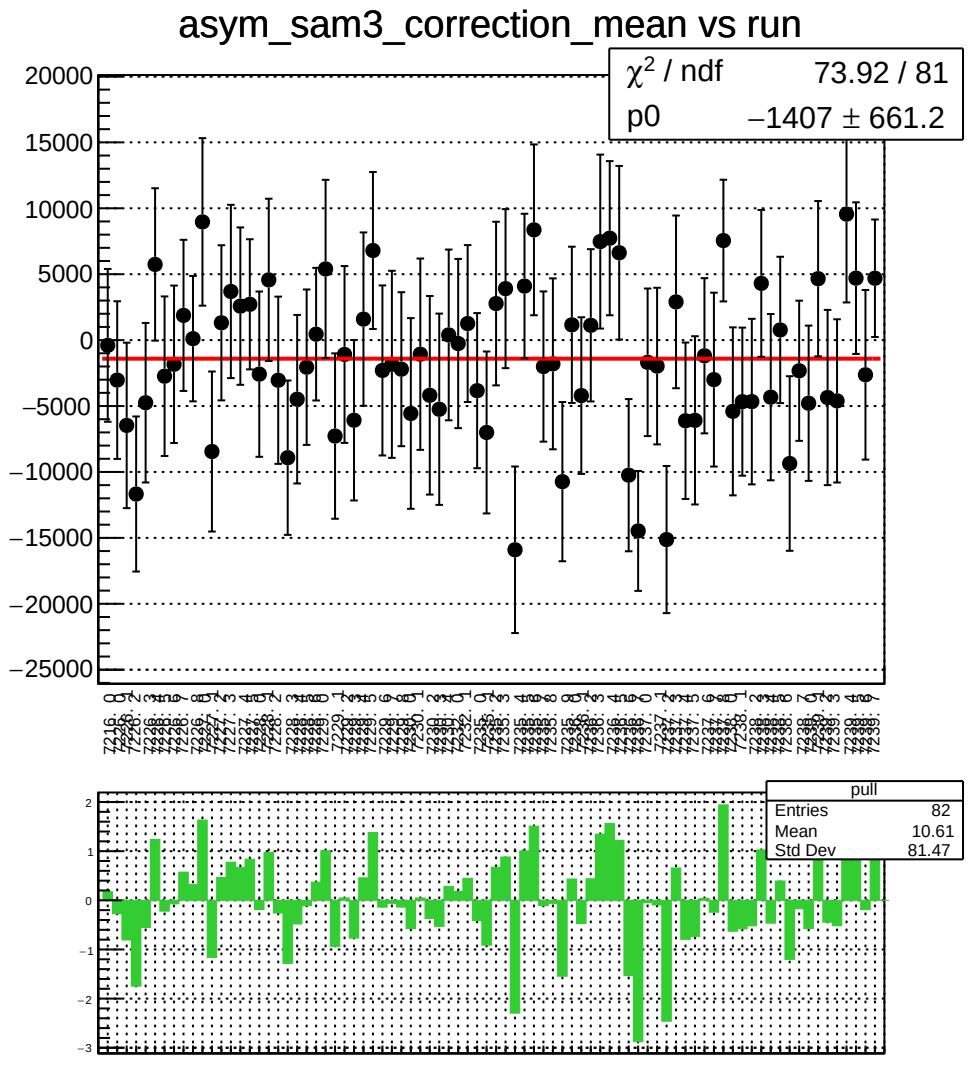

pull1D
Entries 82
Mean −0.003364
Std Dev 0.9108

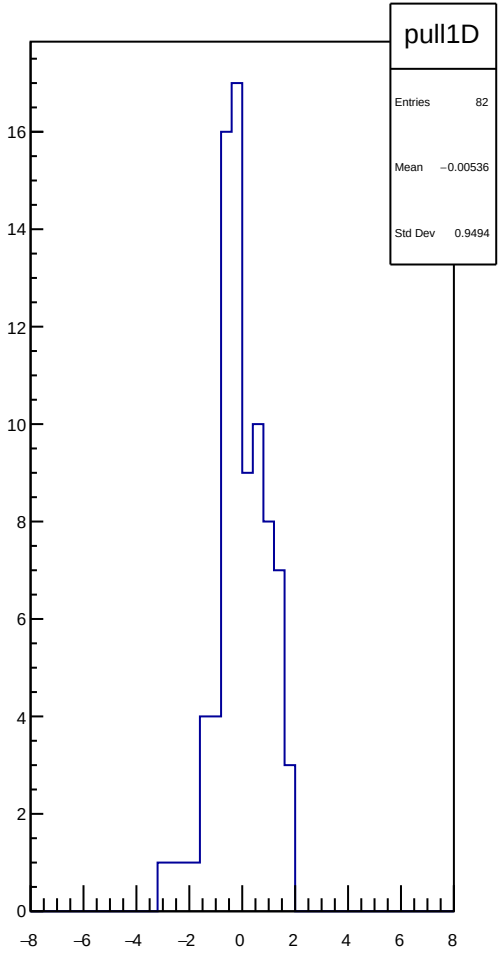

asym_sam2_rms vs run
χ^2 / ndf 6377 / 81
p0 1849 ± 1.478
2100
2000
1900
1800
1700
1600

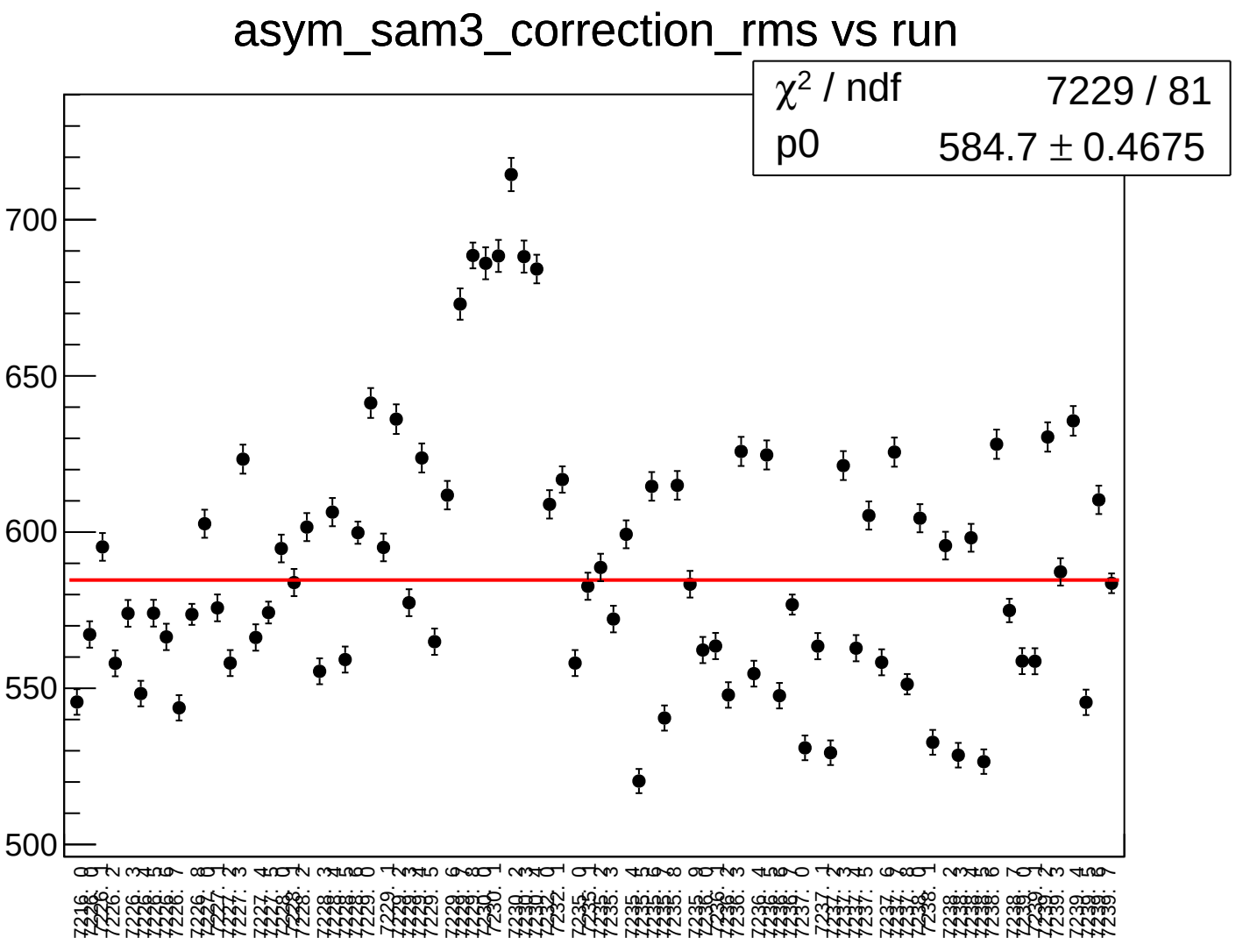

dit_asym_sam3_mean vs run
χ² / ndf 80.81 / 81
p0 −126.3 ± 87.66
pull
Entries 82
Mean 77.22
Std Dev 51.31

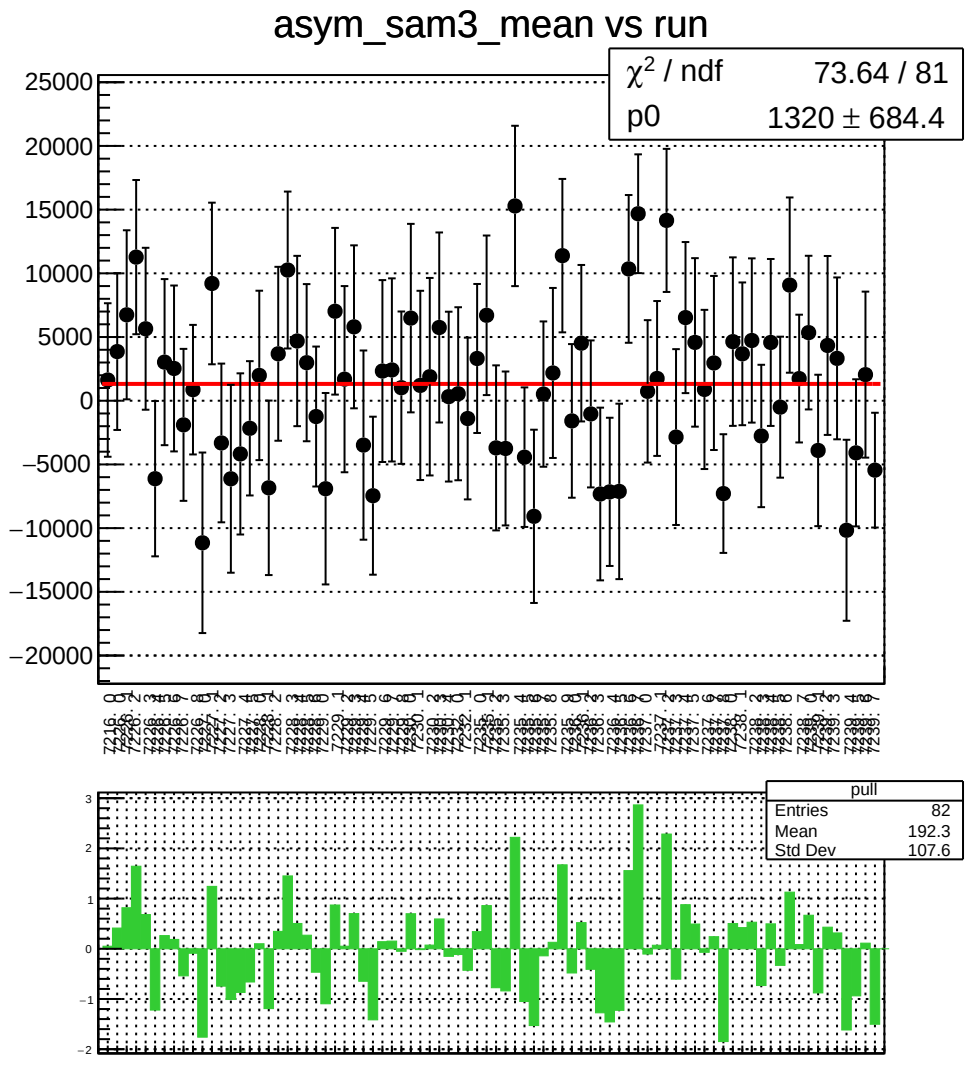

pull1D
Entries 82
Mean −0.03235
Std Dev 0.9922

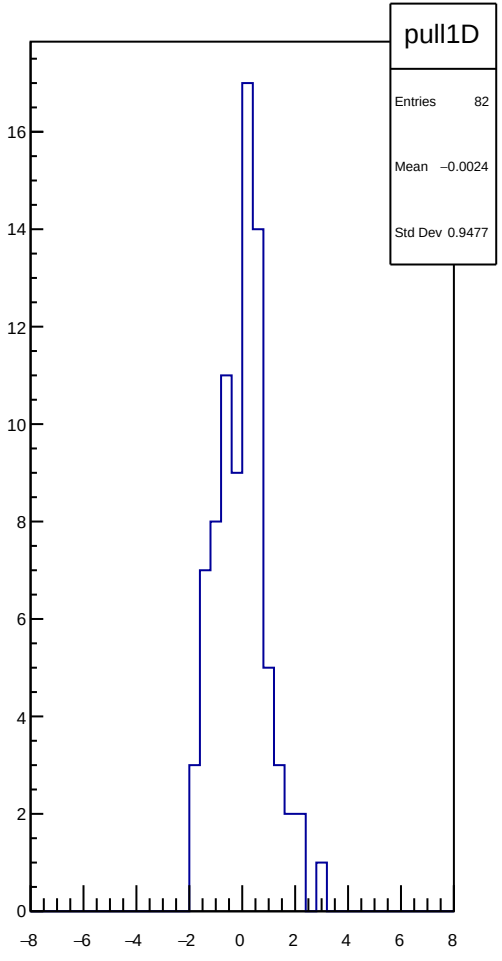

dit_asym_sam3_rms vs run
χ^2 / ndf 5.885e+04 / 81
p0 76.22 ± 0.06198
130
120
110
100
90
80
70
60

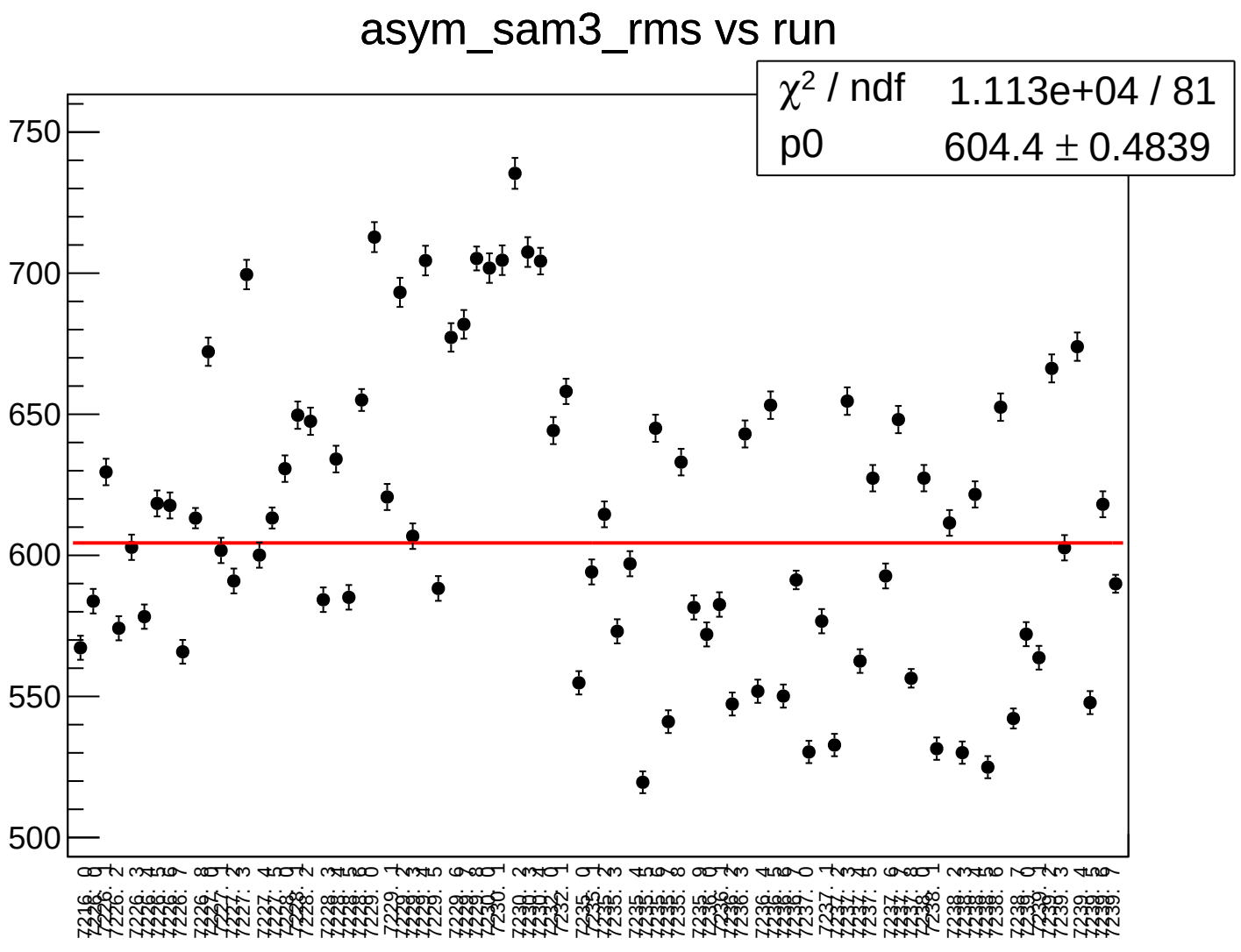

asym_sam3_correction_mean vs run
χ² / ndf 73.92 / 81
p0 −1407 ± 661.2
pull
Entries 82
Mean 10.61
Std Dev 81.47

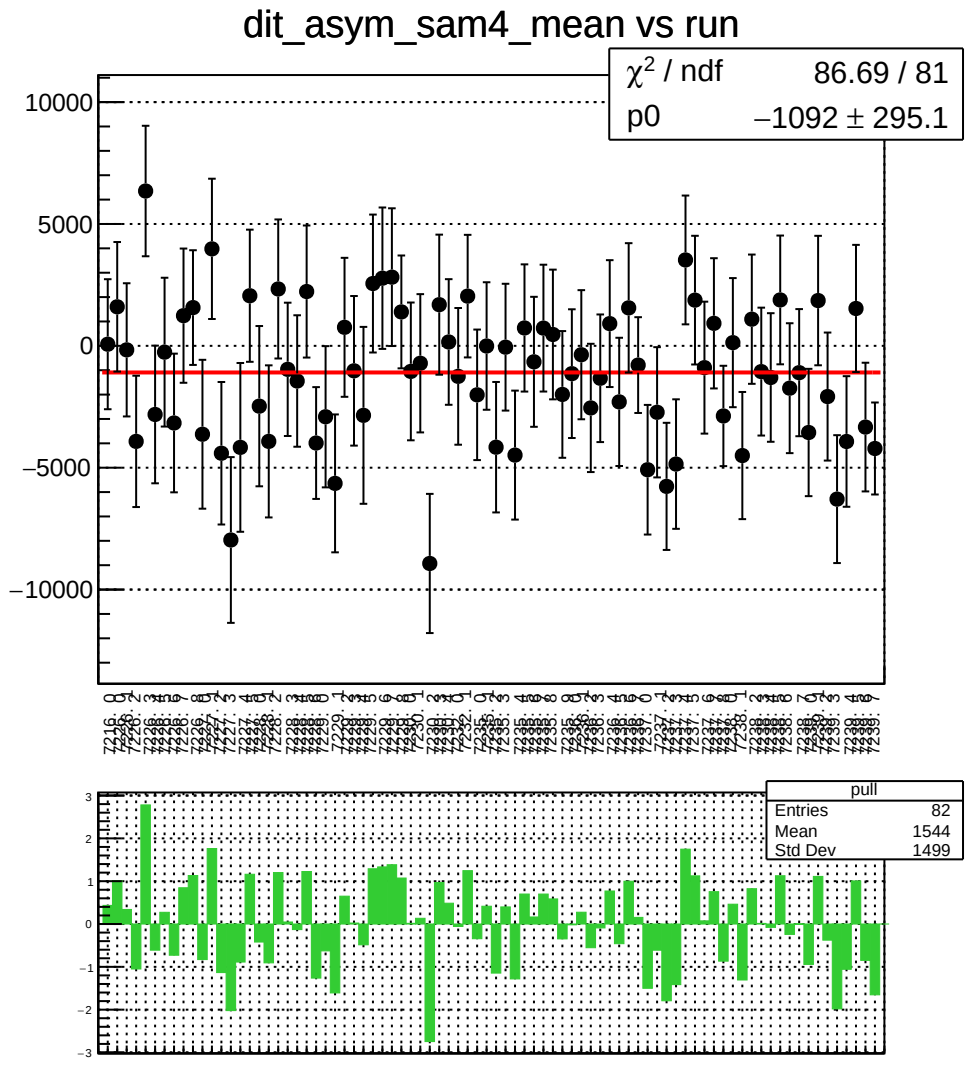

pull1D
Entries 82
Mean −0.00536
Std Dev 0.9494

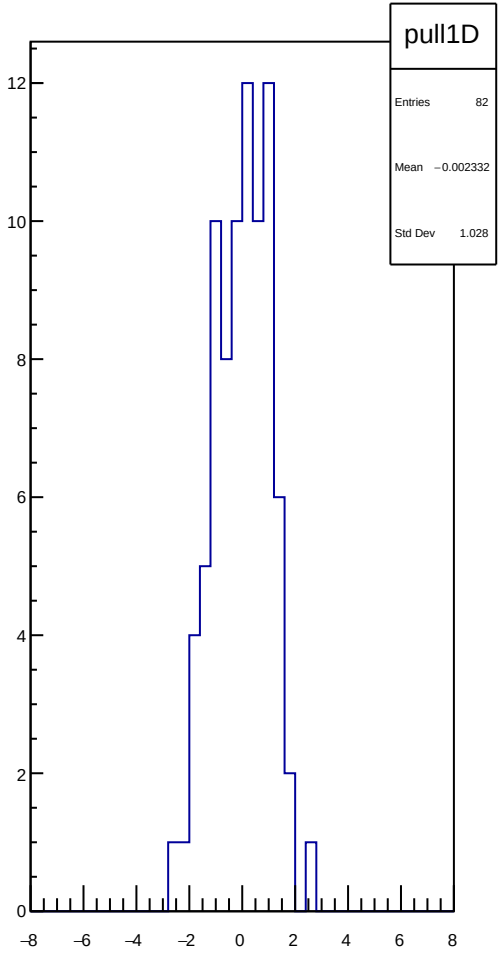

asym_sam3_correction_rms vs run
χ² / ndf 7229 / 81
p0 584.7 ± 0.4675
700
650
600
550
500

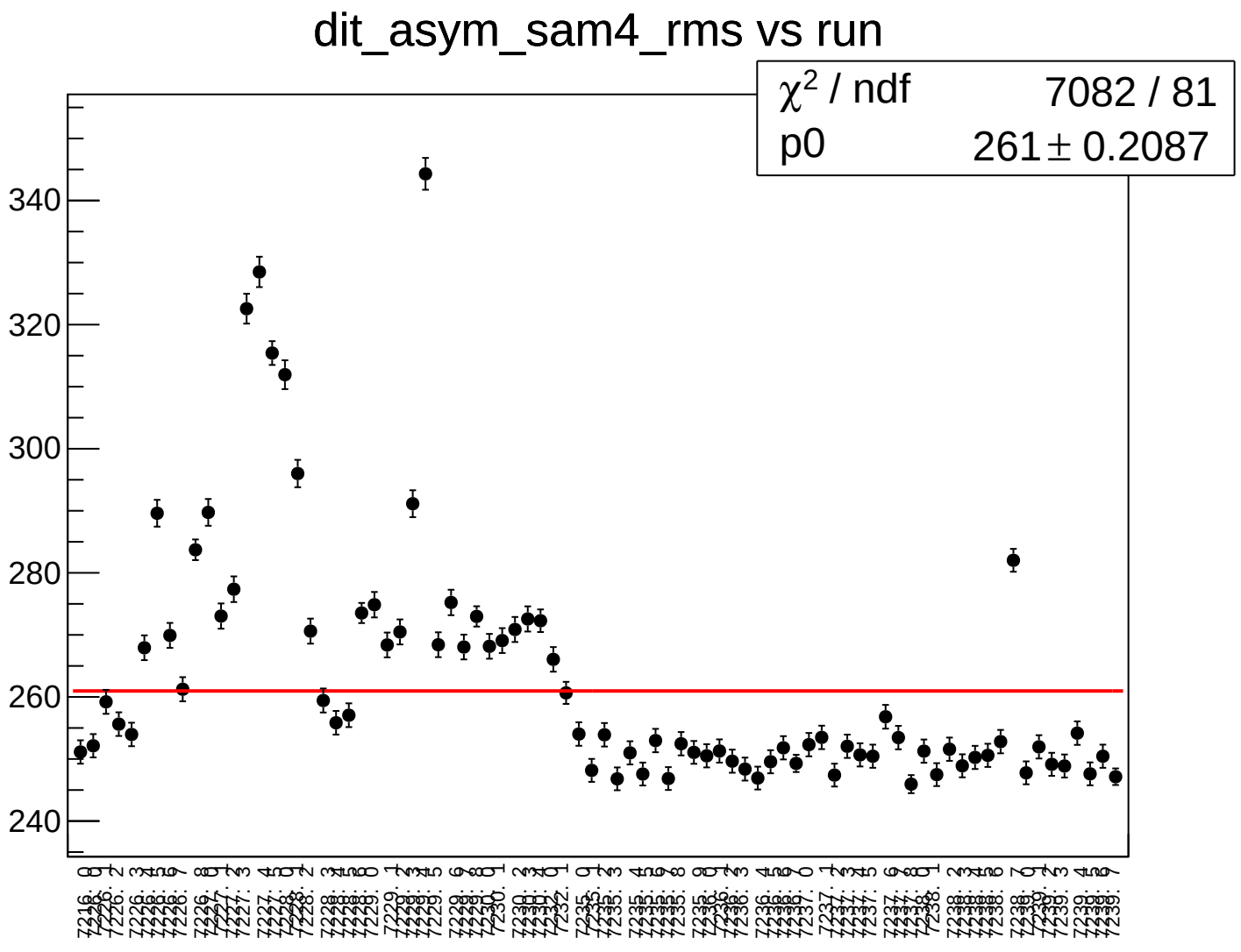

asym_sam3_mean vs run
χ² / ndf 73.64 / 81
p0 1320 ± 684.4
pull
Entries 82
Mean 192.3
Std Dev 107.6

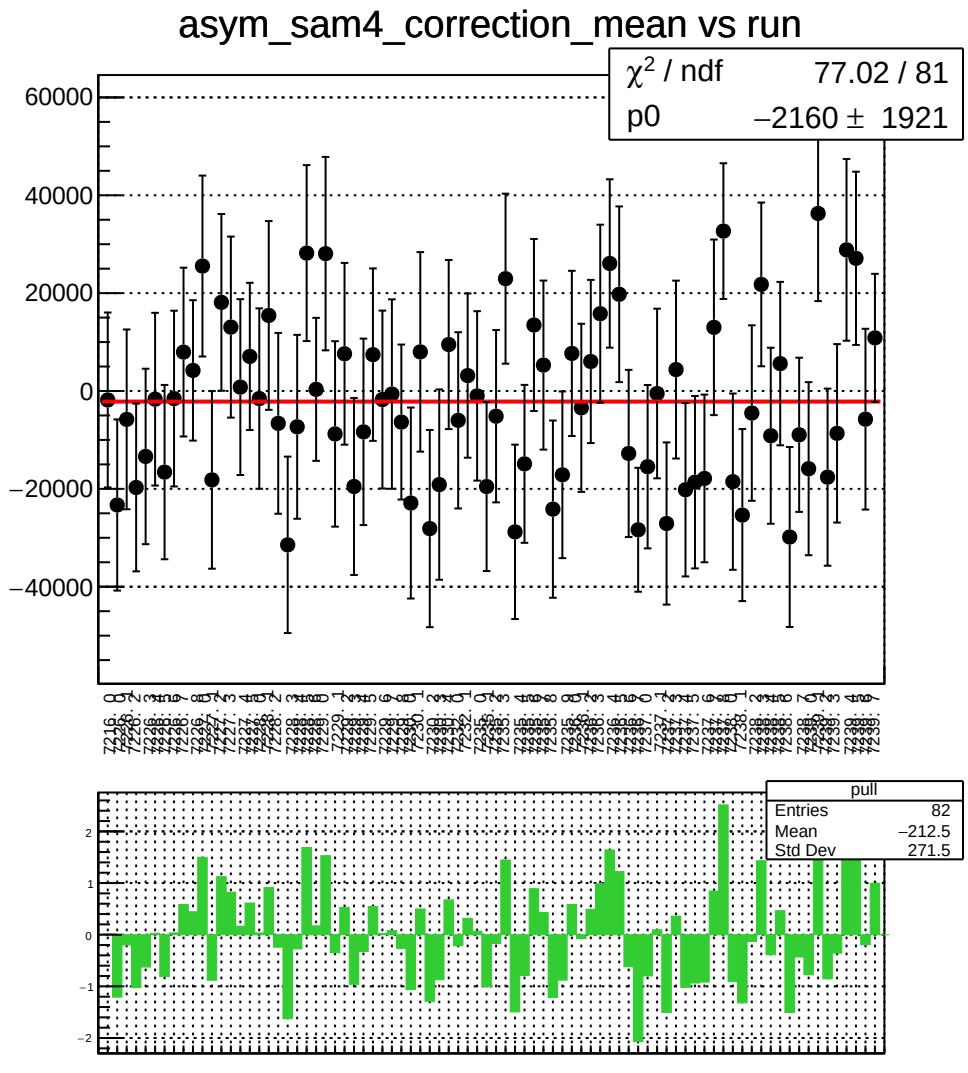

pull1D
Entries 82
Mean −0.0024
Std Dev 0.9477

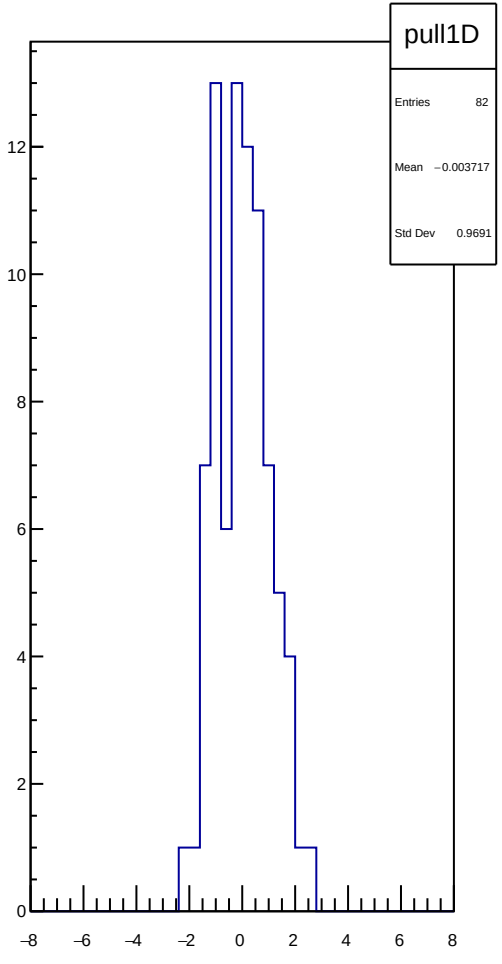

asym_sam3_rms vs run
χ² / ndf 1.113e+04 / 81
p0 604.4 ± 0.4839
750
700
650
600
550
500

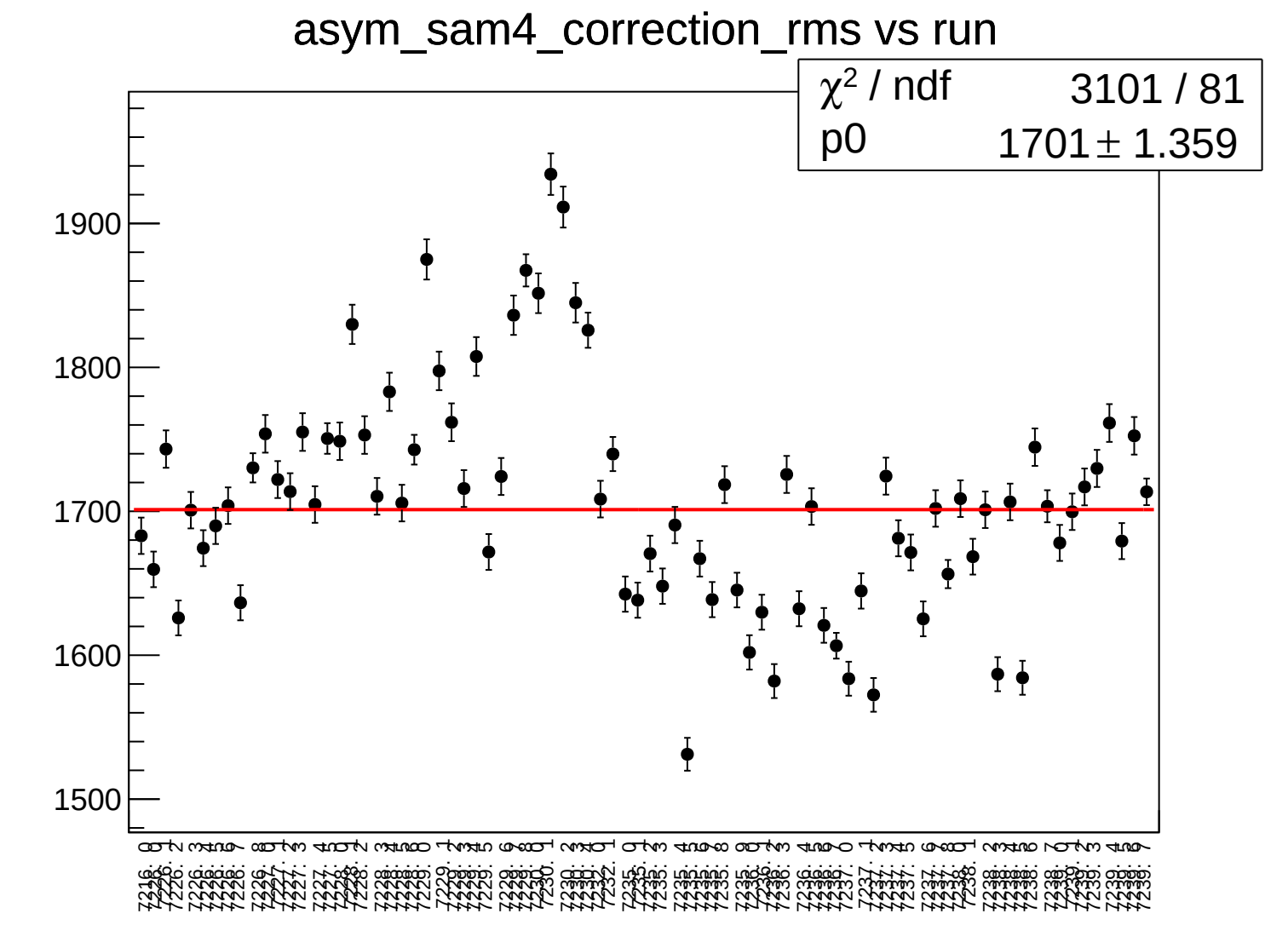

dit_asym_sam4_mean vs run
χ² / ndf 86.69 / 81
p0 −1092 ± 295.1
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1544
Std Dev 1499
3
2
1
0
−1
−2
−3

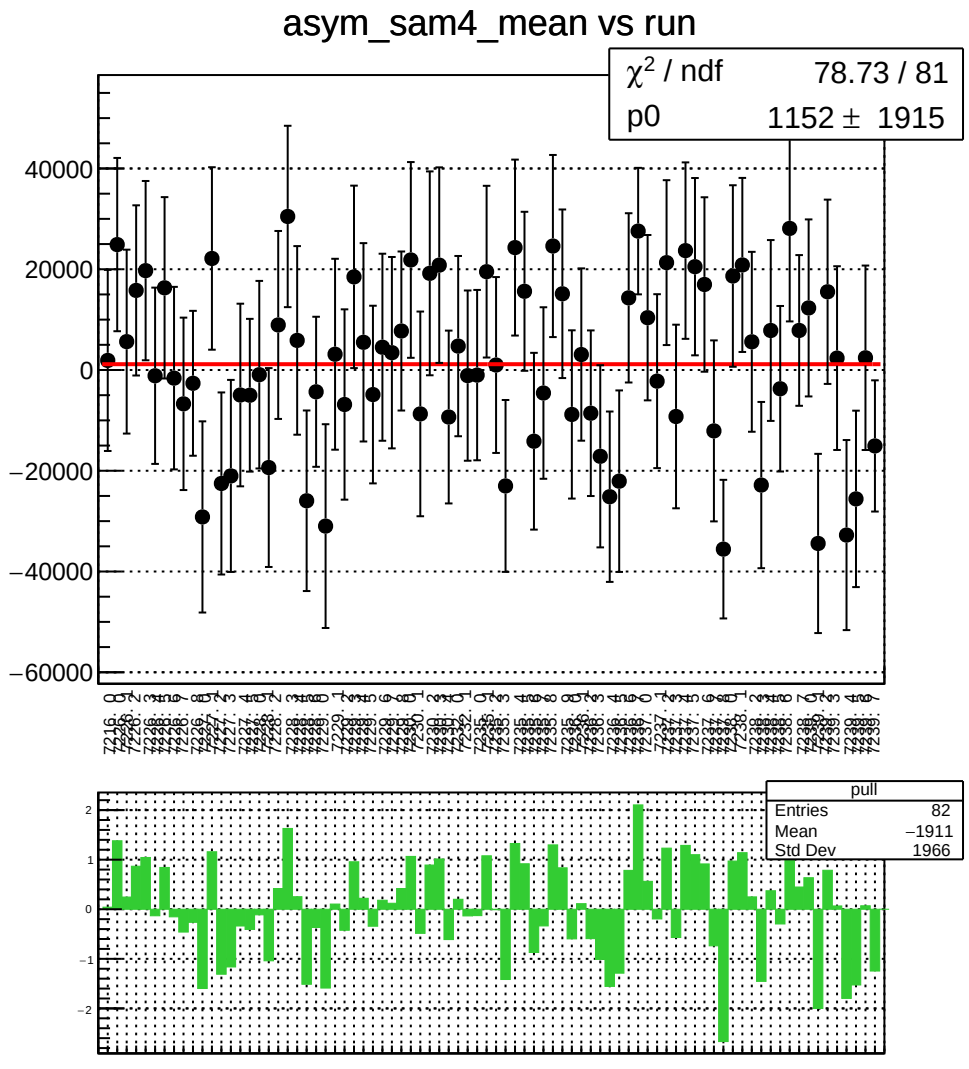

pull1D
Entries 82
Mean −0.002332
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

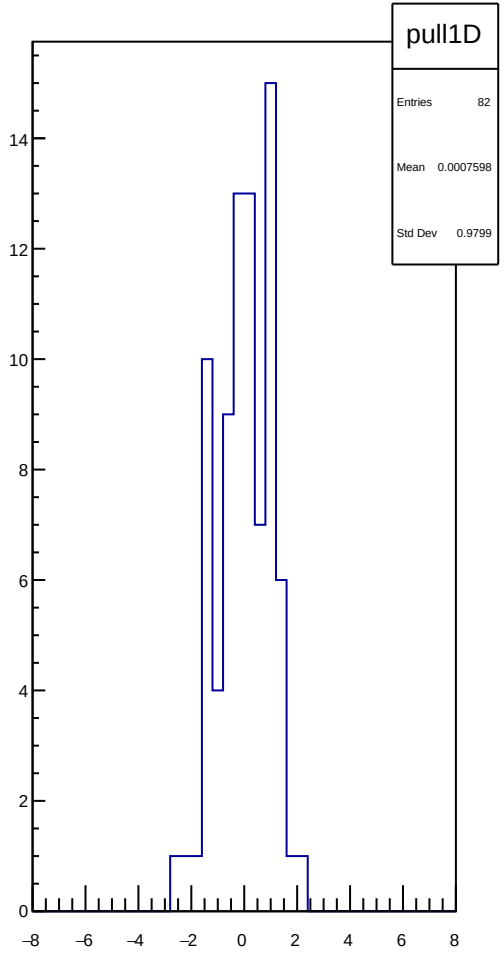

dit_asym_sam4_rms vs run
χ^2 / ndf 7082 / 81
p0 261 ± 0.2087
340
320
300
280
260
240

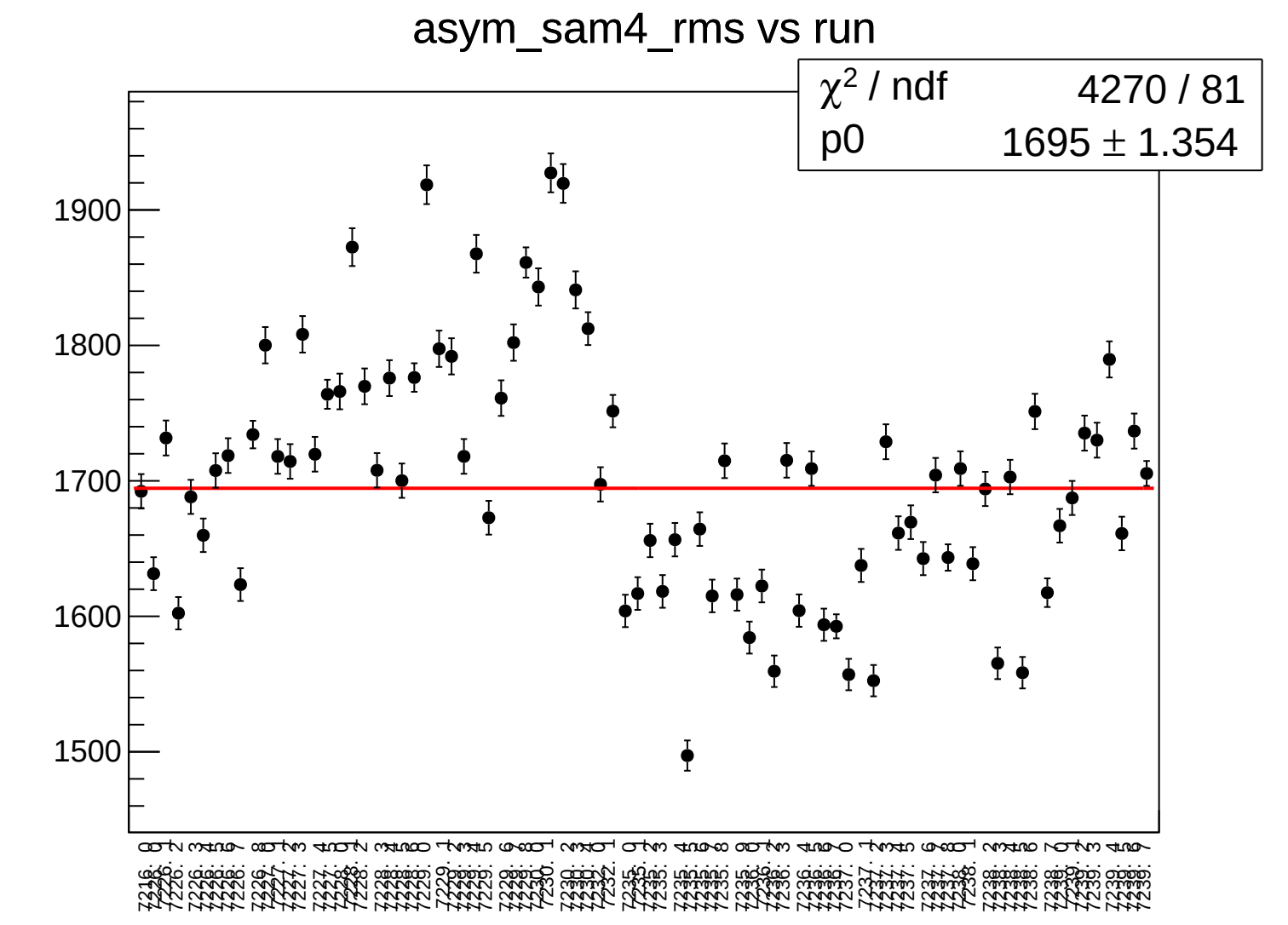

asym_sam4_correction_mean vs run
χ² / ndf 77.02 / 81
p0 −2160 ± 1921
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −212.5
Std Dev 271.5
2
1
0
−1
−2

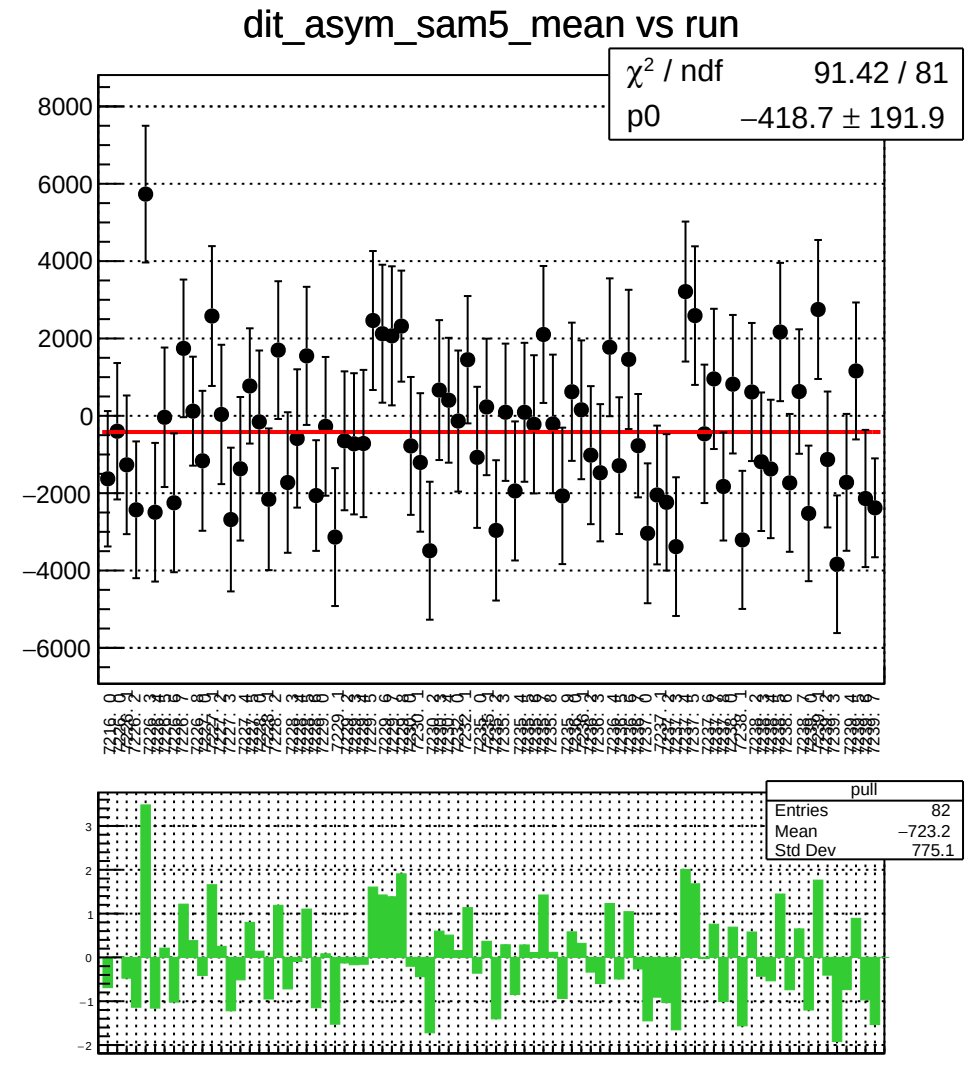

pull1D
Entries 82
Mean −0.003717
Std Dev 0.9691
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

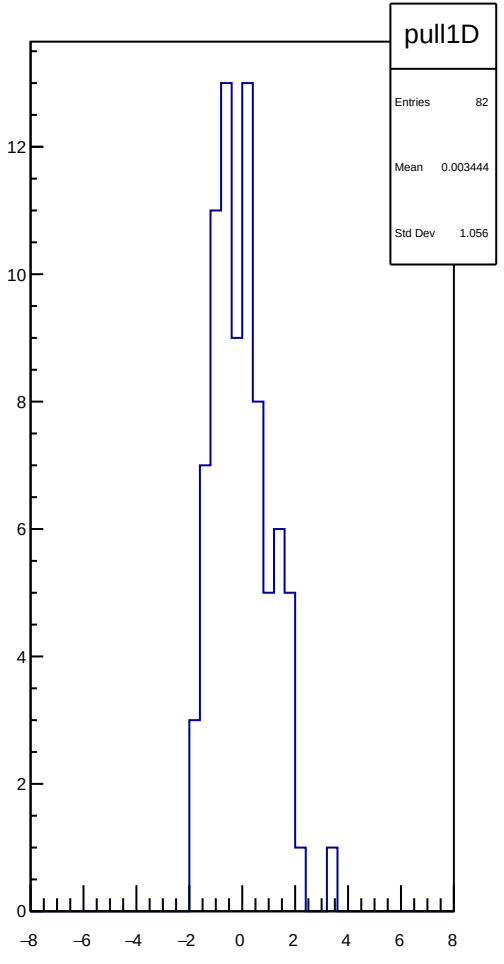

asym_sam4_correction_rms vs run
χ² / ndf 3101 / 81
p0 1701 ± 1.359
1900
1800
1700
1600
1500

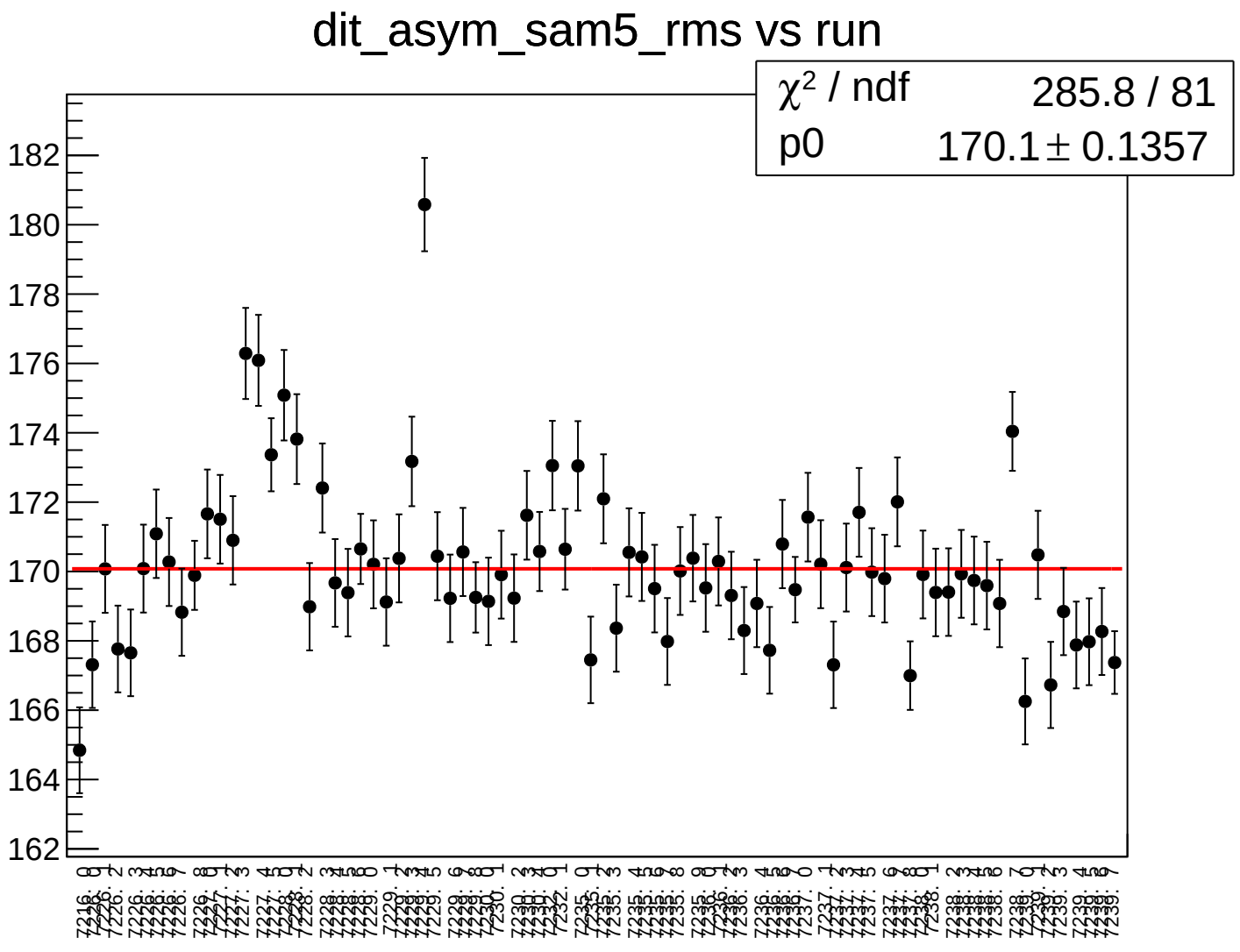

asym_sam4_mean vs run
χ² / ndf 78.73 / 81
p0 1152 ± 1915
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1911
Std Dev 1966
2
1
0
−1
−2

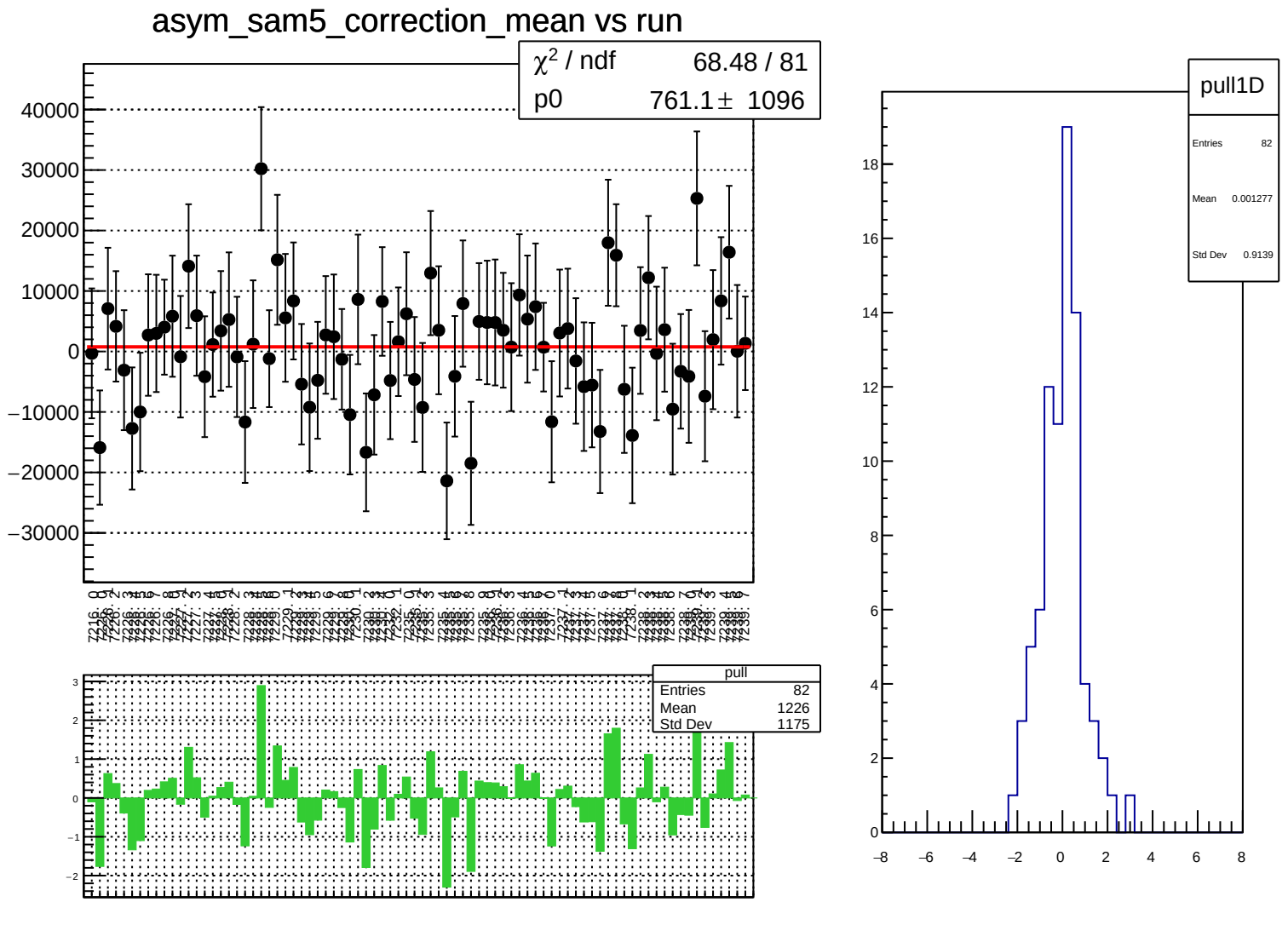

pull1D
Entries 82
Mean 0.0007598
Std Dev 0.9799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

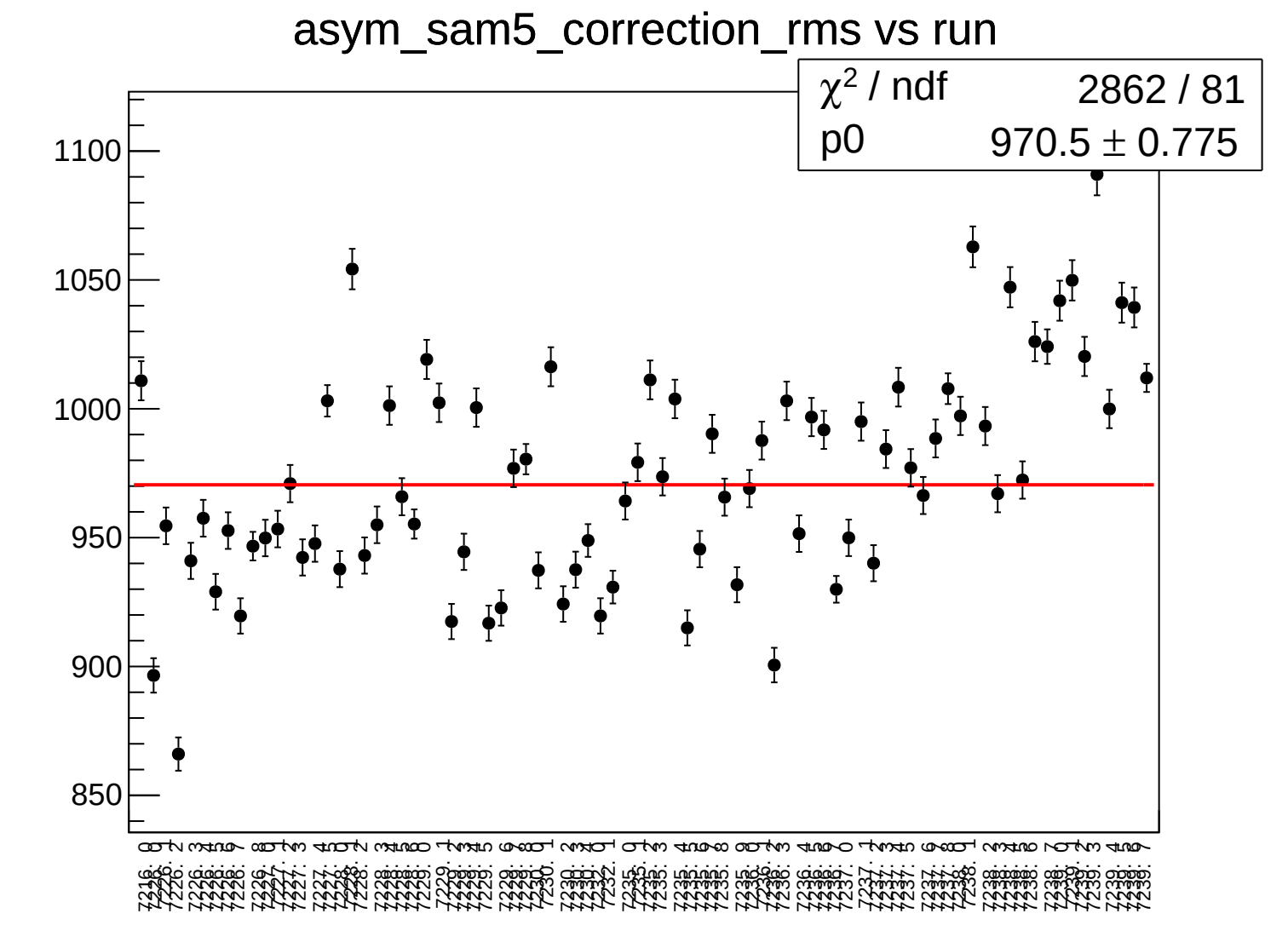

asym_sam4_rms vs run
χ² / ndf 4270 / 81
p0 1695 ± 1.354
1900
1800
1700
1600
1500

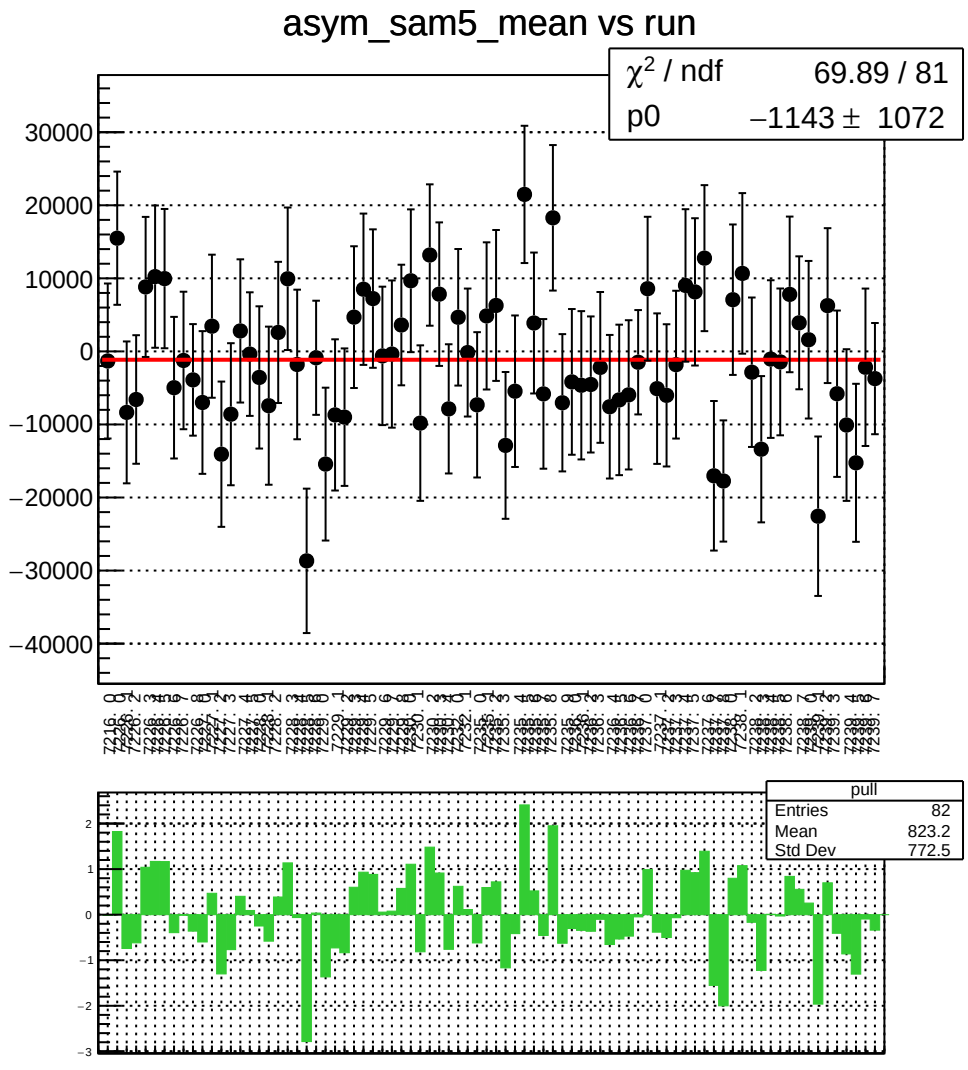

dit_asym_sam5_mean vs run
χ² / ndf 91.42 / 81
p0 −418.7 ± 191.9
pull
Entries 82
Mean −723.2
Std Dev 775.1

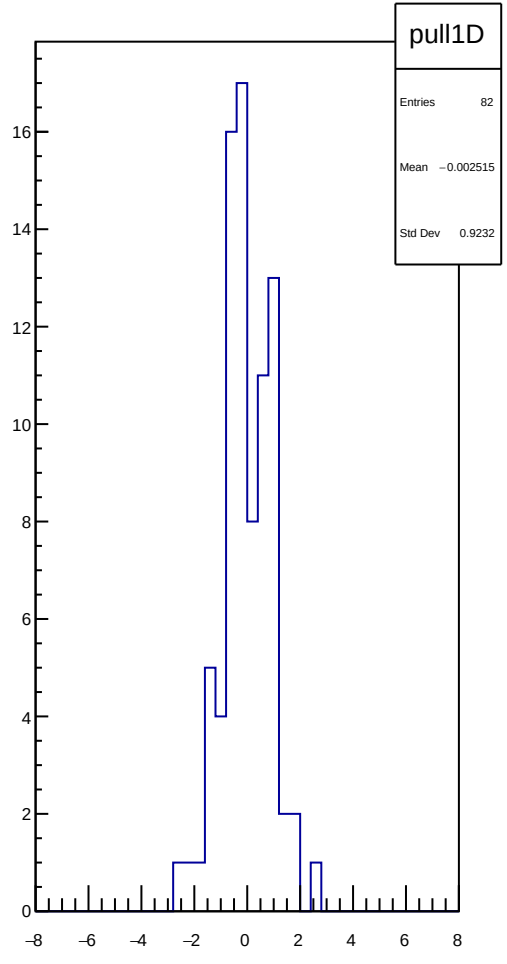

pull1D
Entries 82
Mean 0.003444
Std Dev 1.056

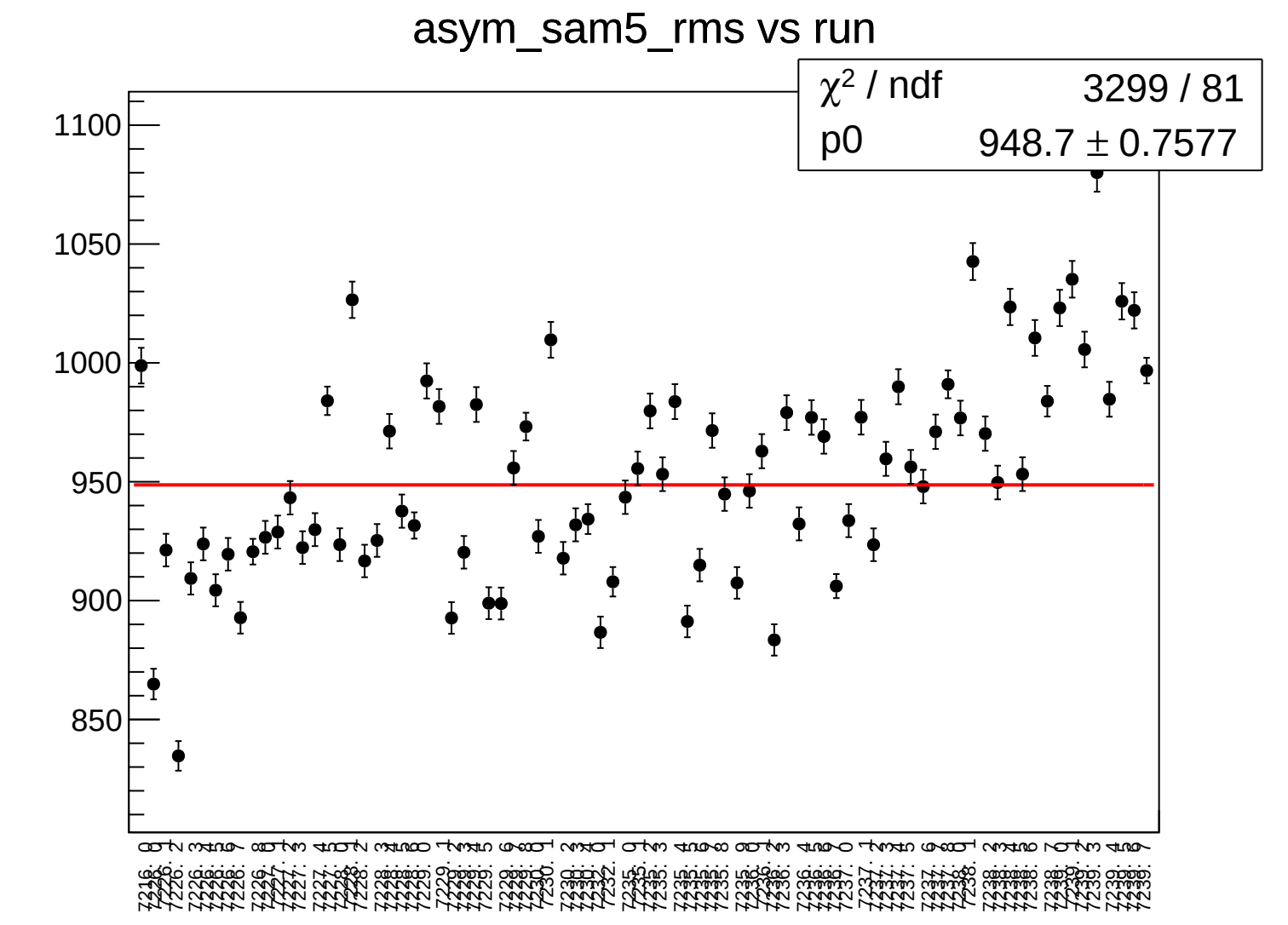

dit_asym_sam5_rms vs run
χ² / ndf 285.8 / 81
p0 170.1 ± 0.1357
182
180
178
176
174
172
170
168
166
164
162

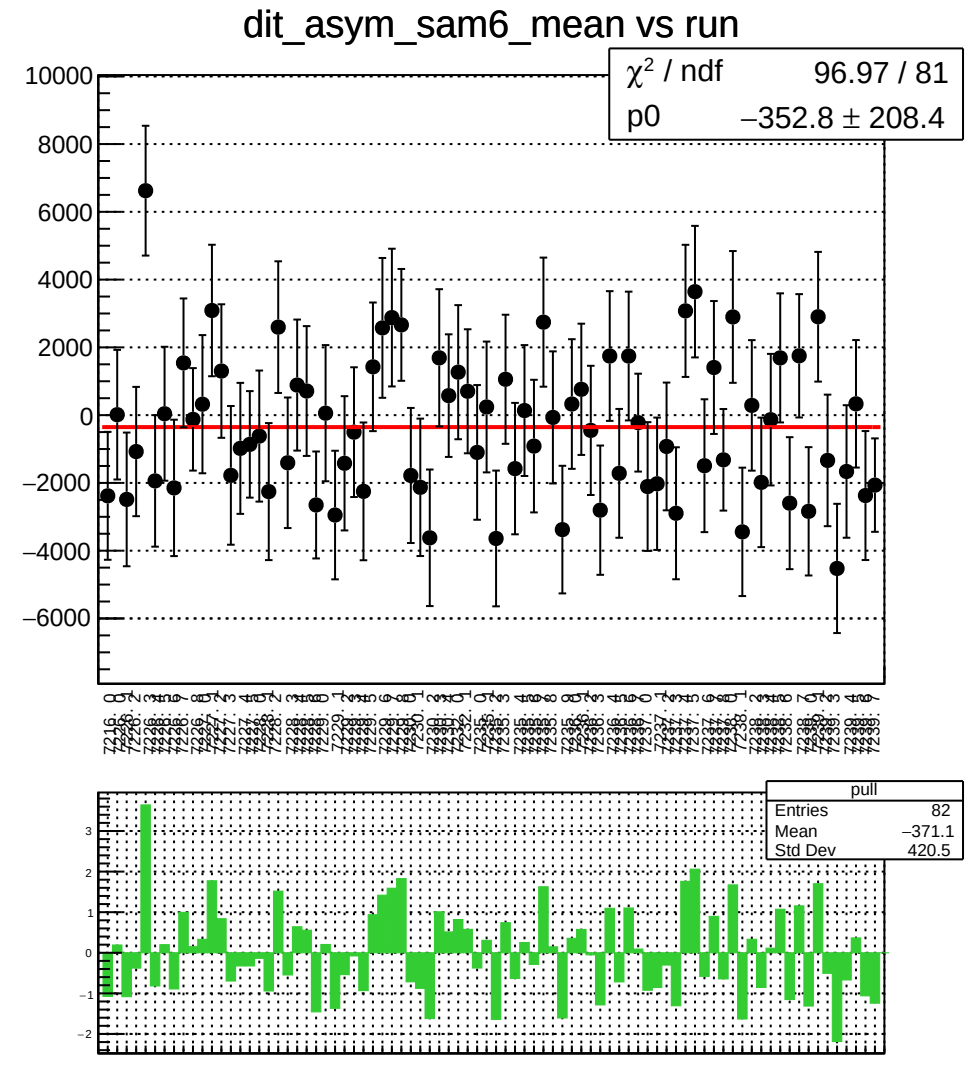

asym_sam5_correction_mean vs run
χ² / ndf 68.48 / 81
p0 761.1 ± 1096
pull
Entries 82
Mean 1226
Std Dev 1175
pull1D
Entries 82
Mean 0.001277
Std Dev 0.9139

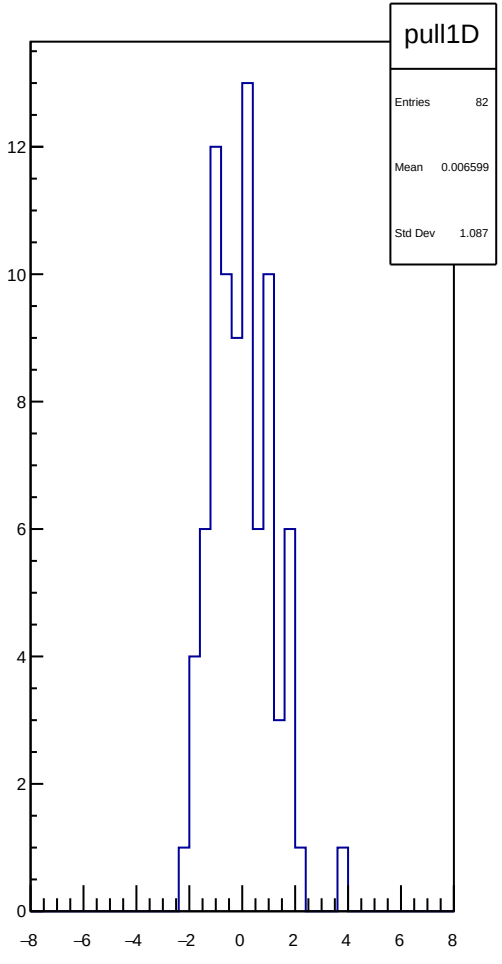

asym_sam5_correction_rms vs run
χ² / ndf 2862 / 81
p0 970.5 ± 0.775
1100
1050
1000
950
900
850

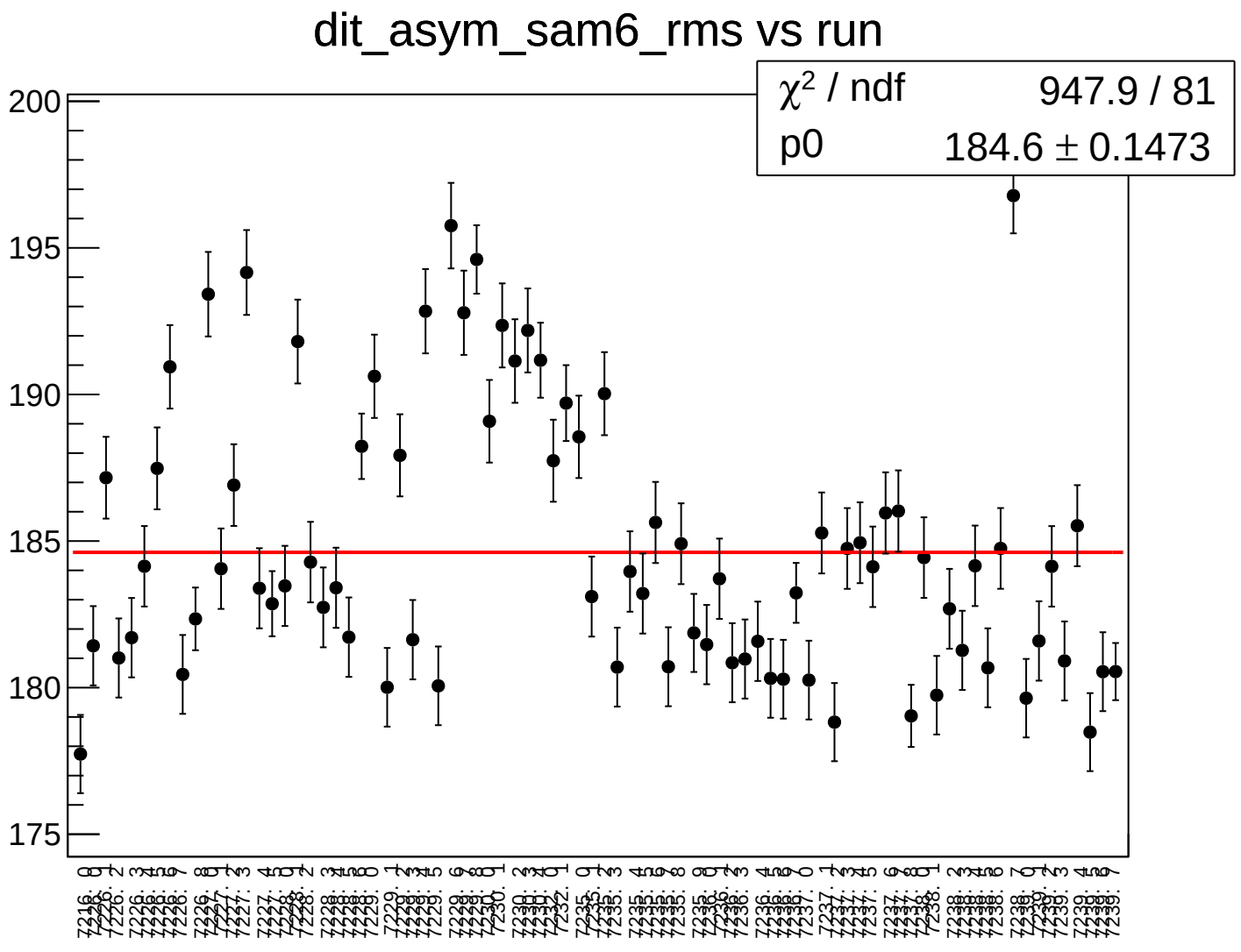

asym_sam5_mean vs run
χ² / ndf 69.89 / 81
p0 −1143 ± 1072
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean 823.2
Std Dev 772.5
2
1
0
−1
−2
−3

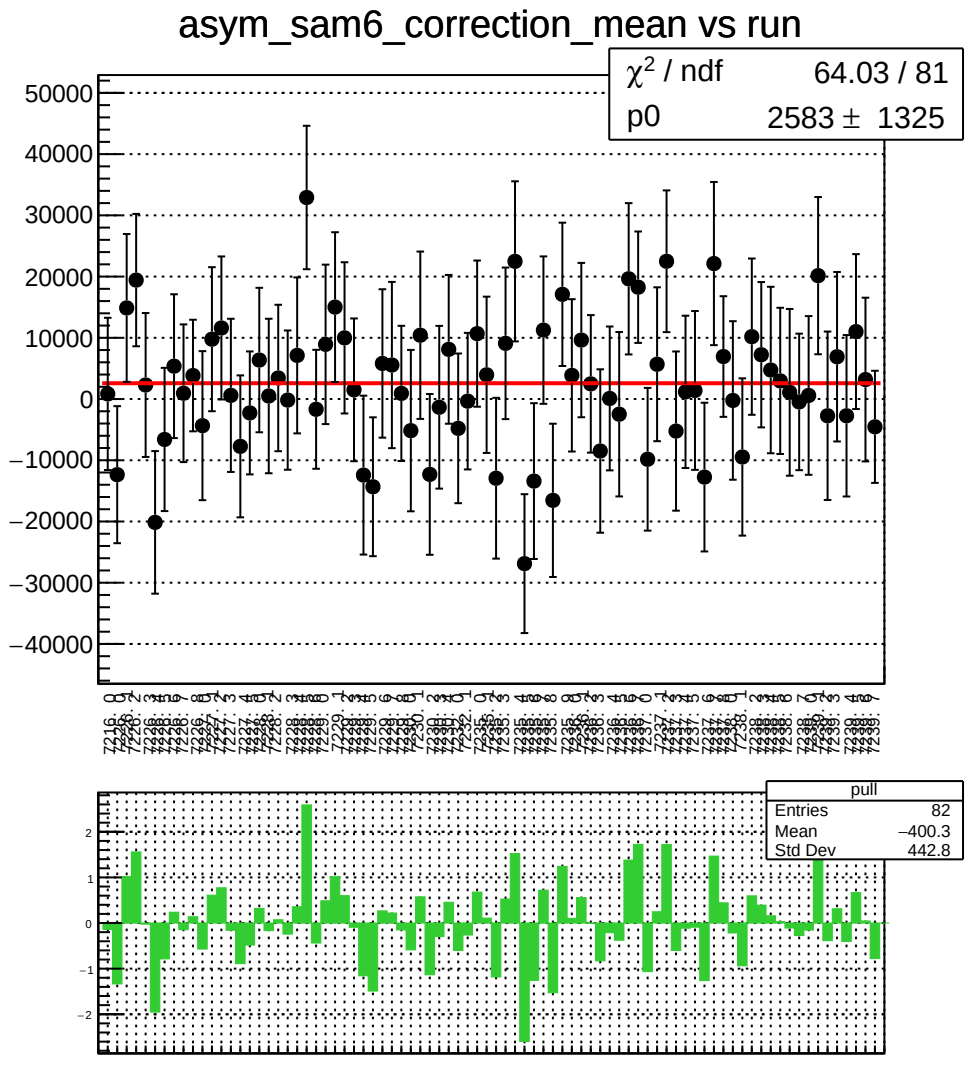

pull1D
Entries 82
Mean −0.002515
Std Dev 0.9232
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

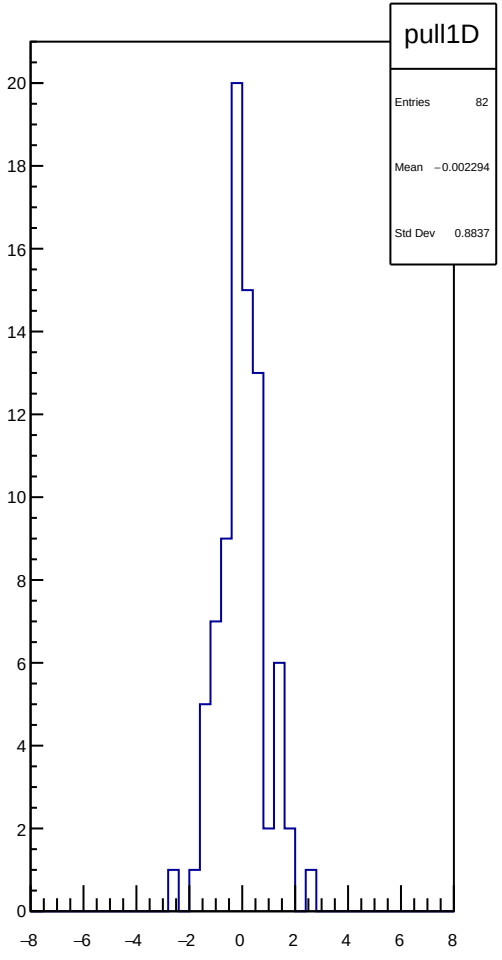

asym_sam5_rms vs run
χ² / ndf 3299 / 81
p0 948.7 ± 0.7577
1100
1050
1000
950
900
850

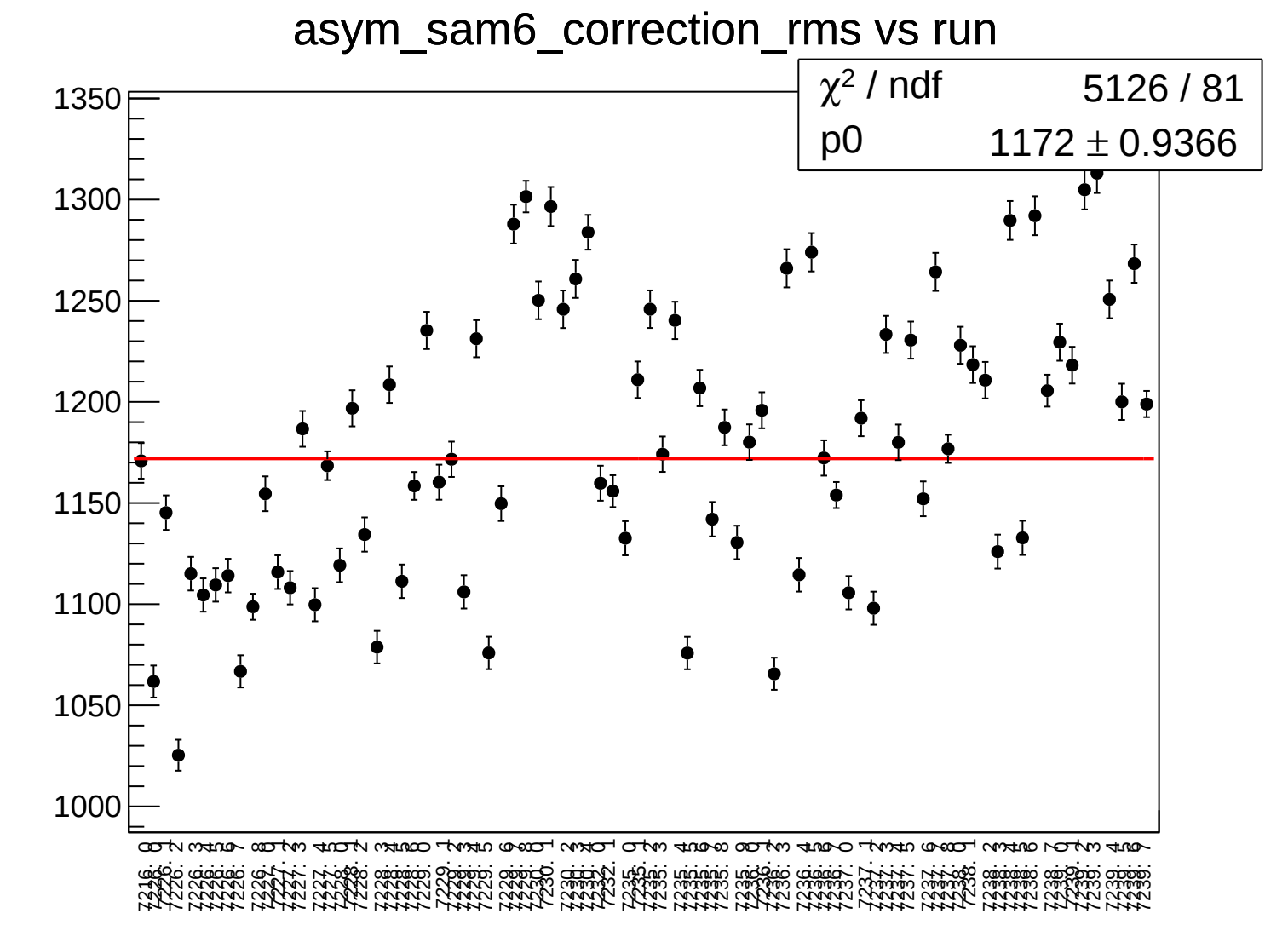

dit_asym_sam6_mean vs run
χ² / ndf 96.97 / 81
p0 −352.8 ± 208.4
pull
Entries 82
Mean −371.1
Std Dev 420.5

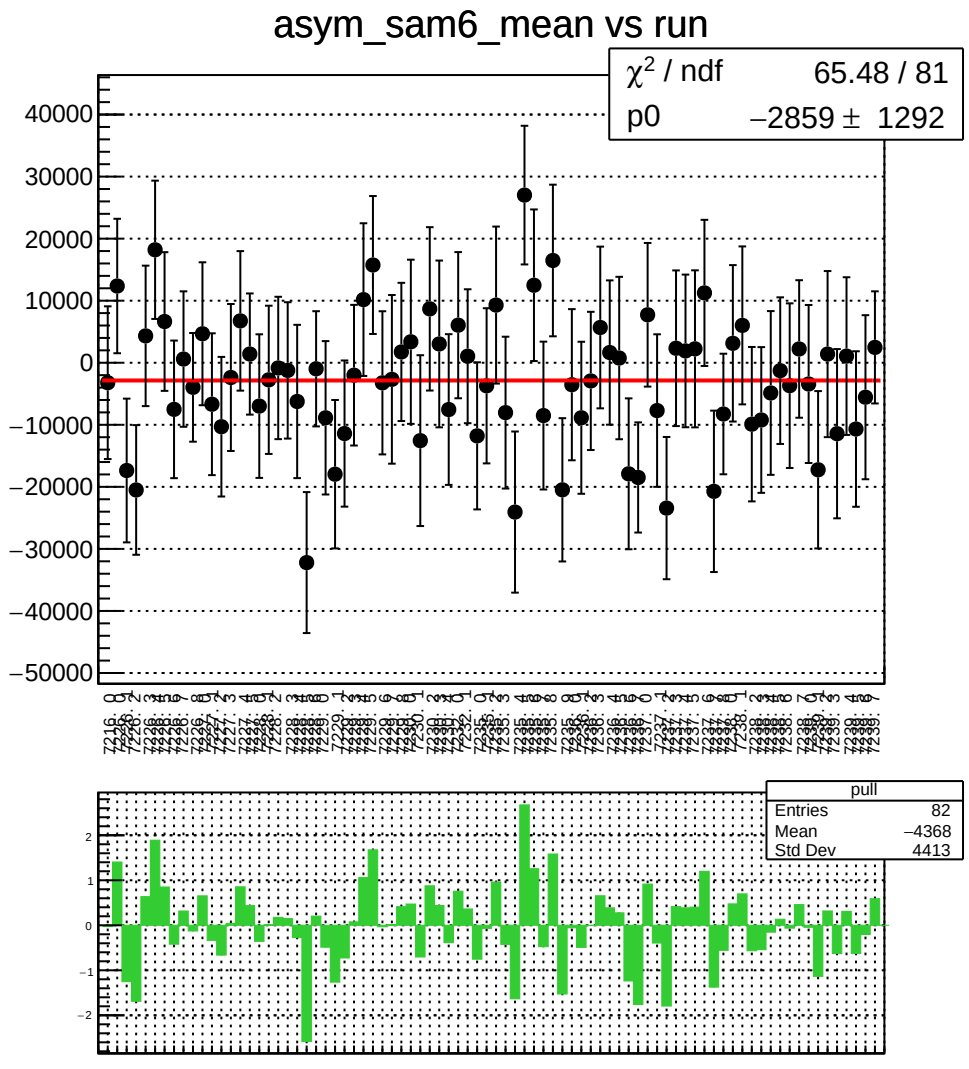

pull1D
Entries 82
Mean 0.006599
Std Dev 1.087

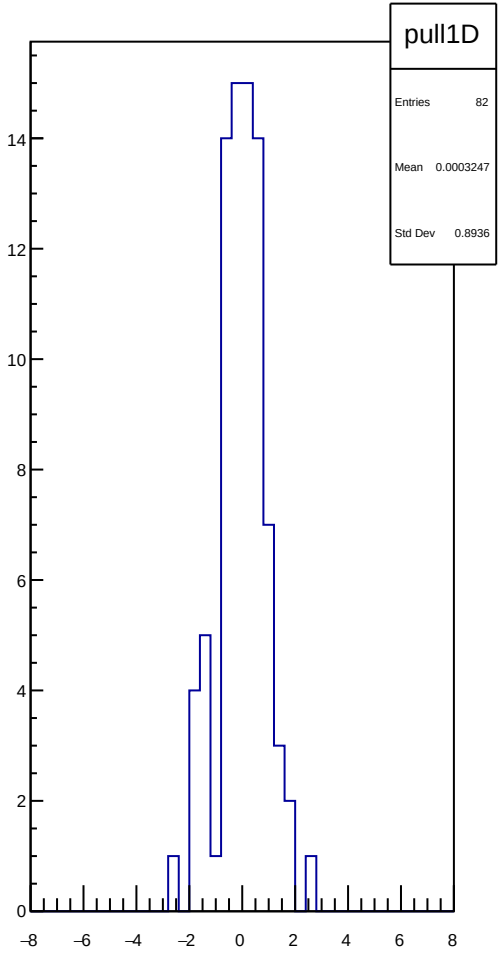

dit_asym_sam6_rms vs run
χ² / ndf 947.9 / 81
p0 184.6 ± 0.1473
200
195
190
185
180
175

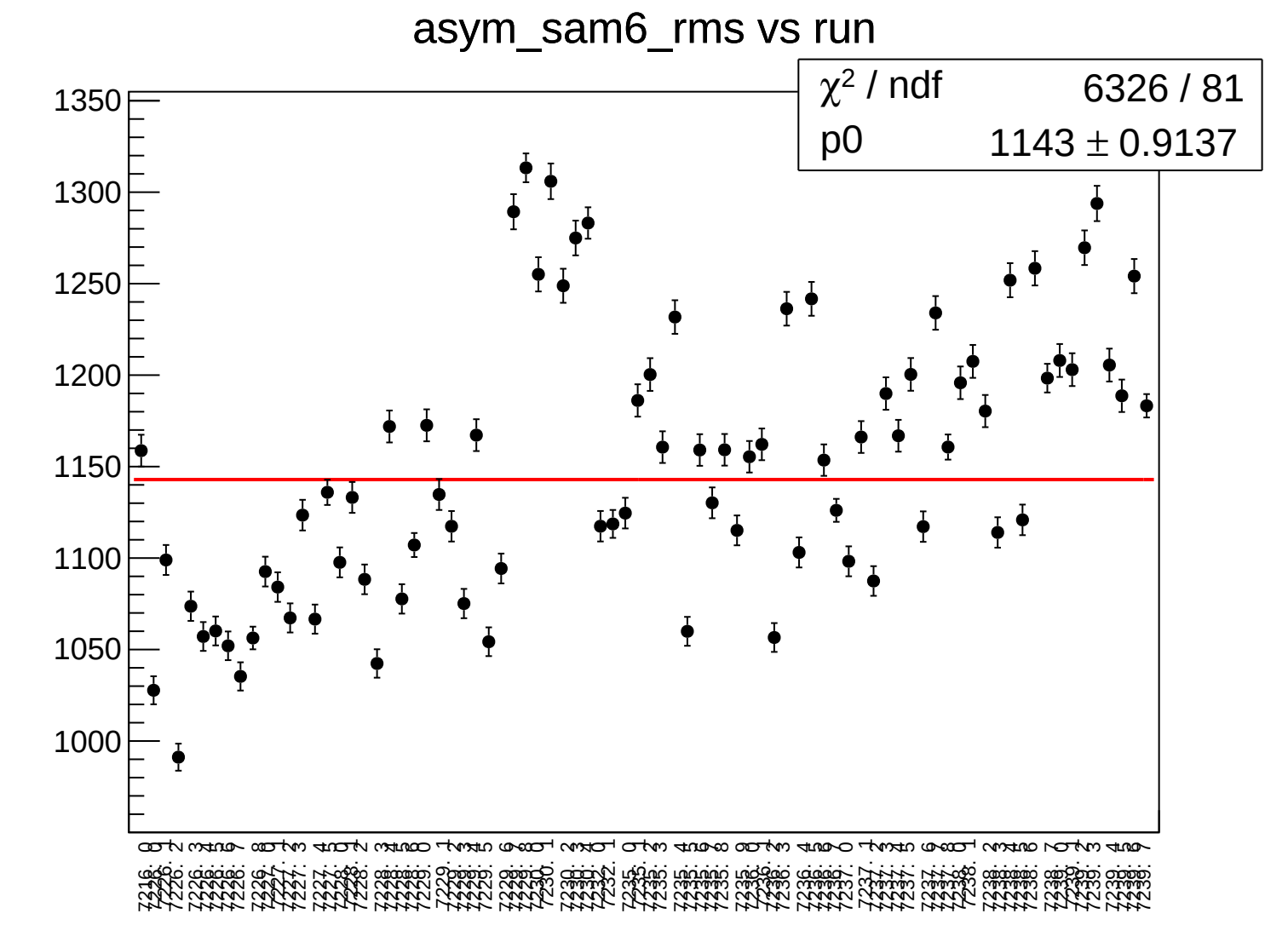

asym_sam6_correction_mean vs run
χ² / ndf 64.03 / 81
p0 2583 ± 1325
pull
Entries 82
Mean −400.3
Std Dev 442.8

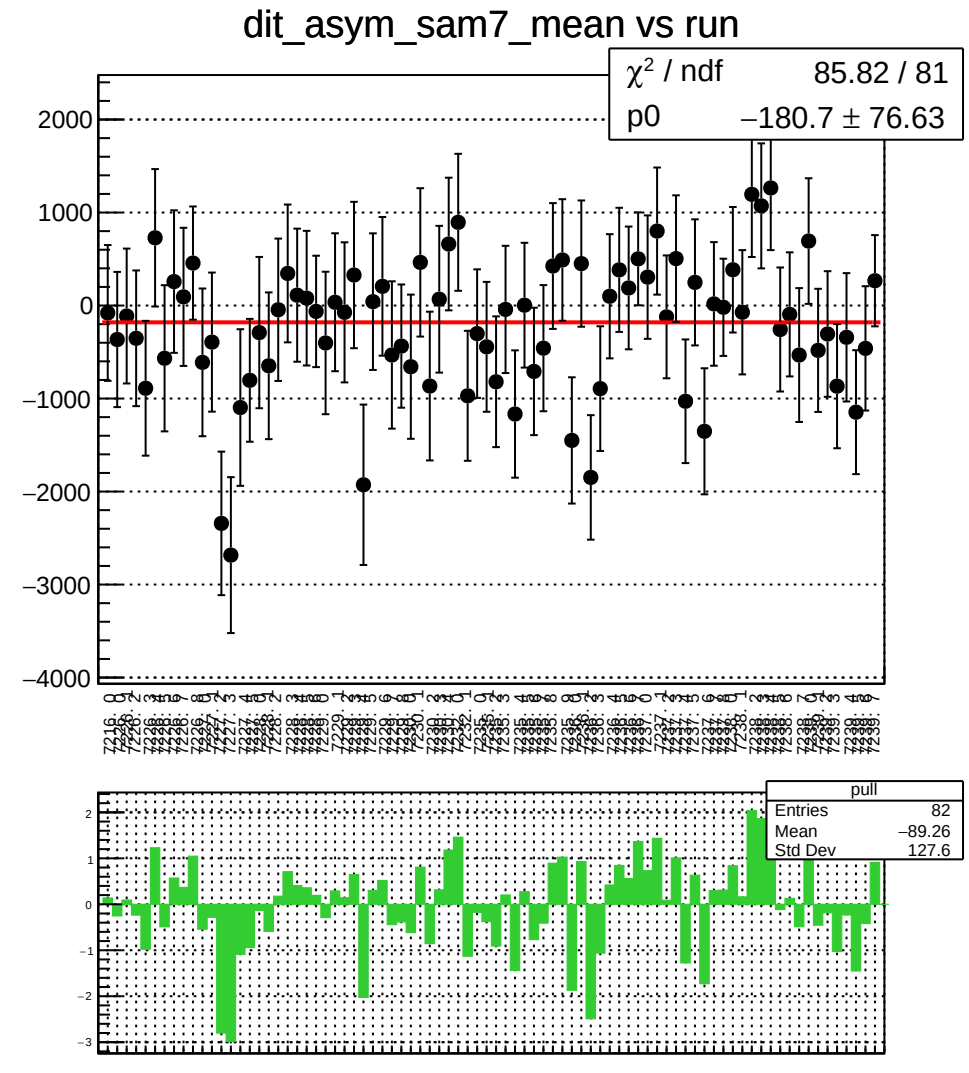

pull1D
Entries 82
Mean −0.002294
Std Dev 0.8837

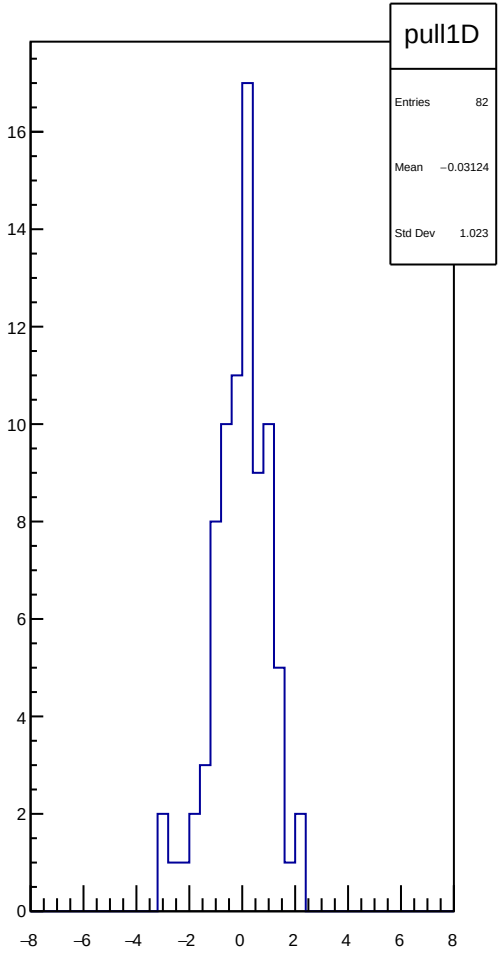

asym_sam6_correction_rms vs run
χ² / ndf 5126 / 81
p0 1172 ± 0.9366
1350
1300
1250
1200
1150
1100
1050
1000

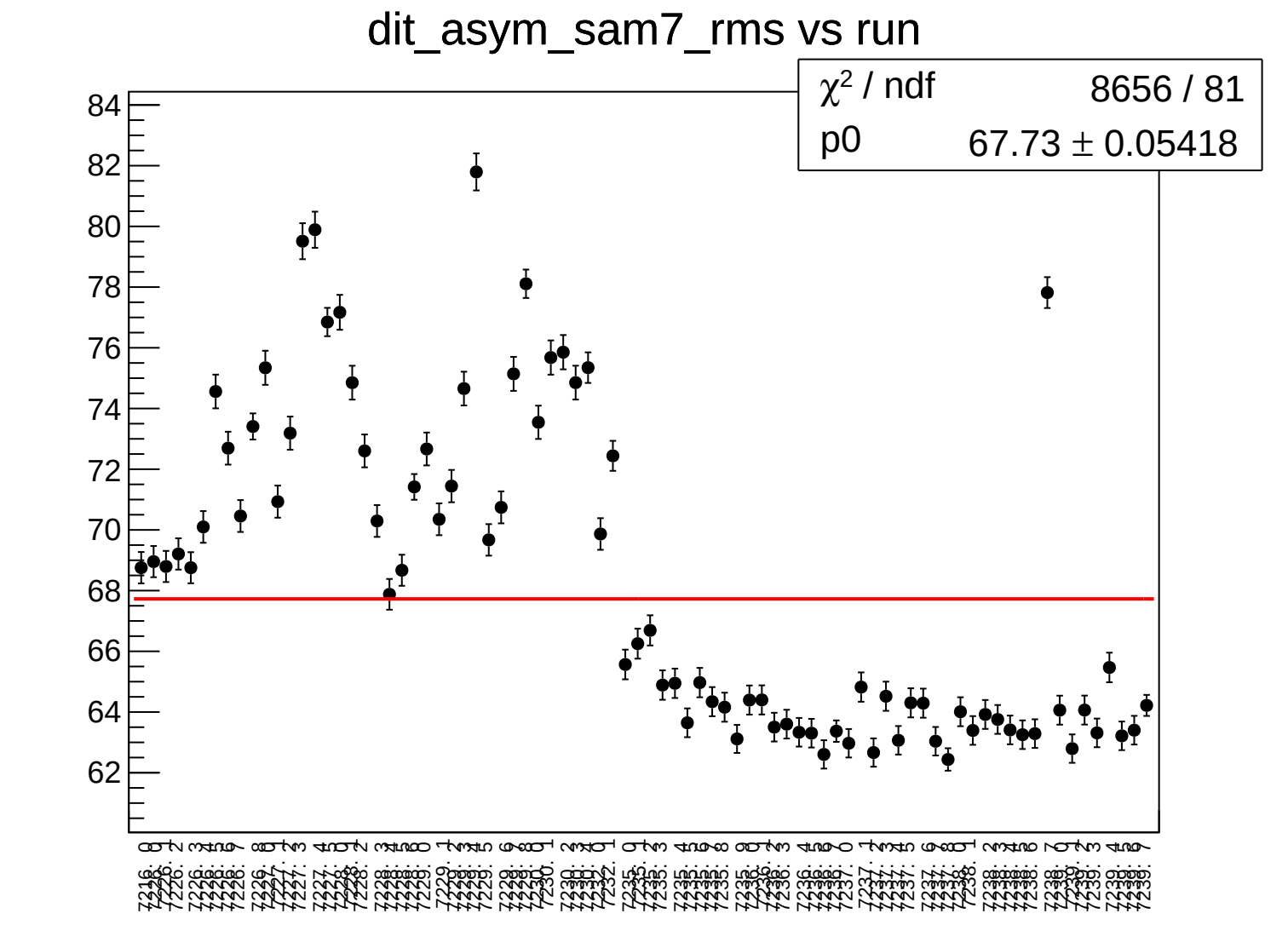

asym_sam6_mean vs run
χ² / ndf 65.48 / 81
p0 −2859 ± 1292
pull
Entries 82
Mean −4368
Std Dev 4413

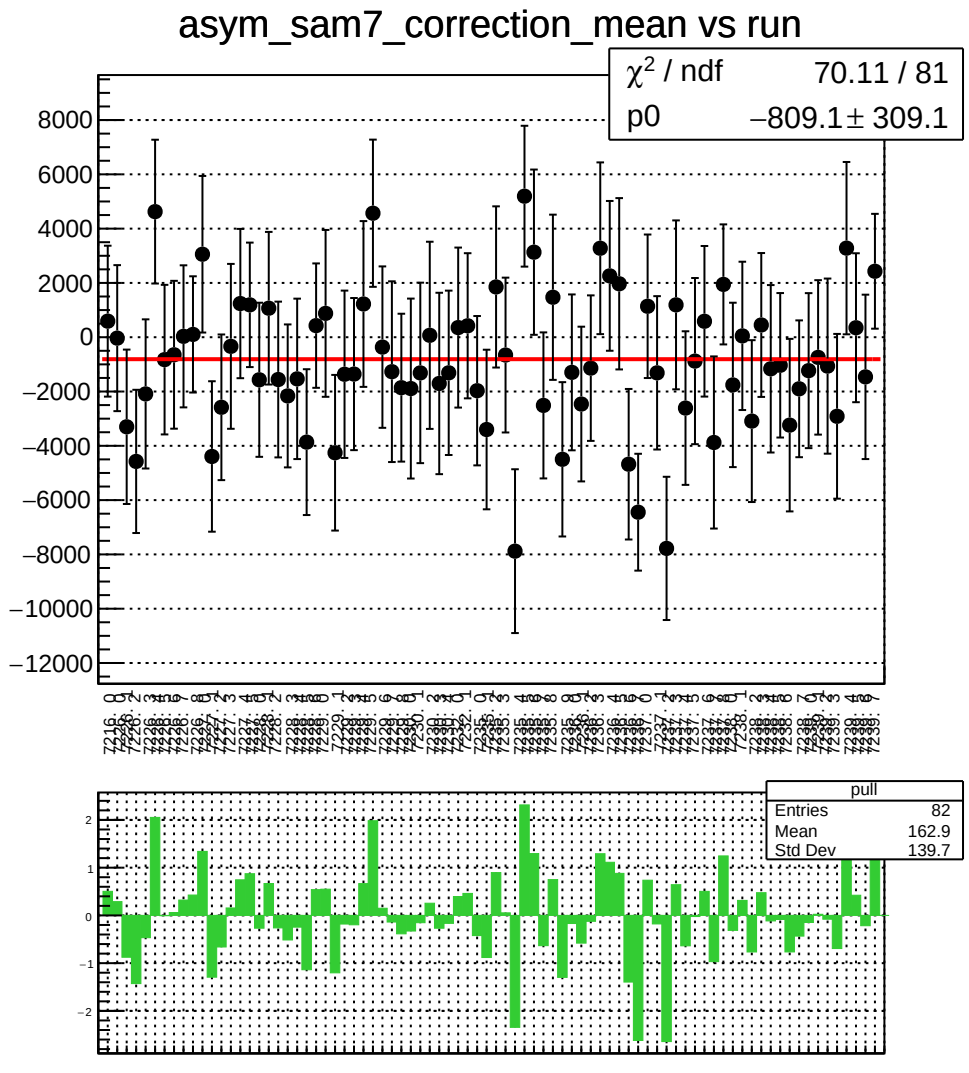

pull1D
Entries 82
Mean 0.0003247
Std Dev 0.8936

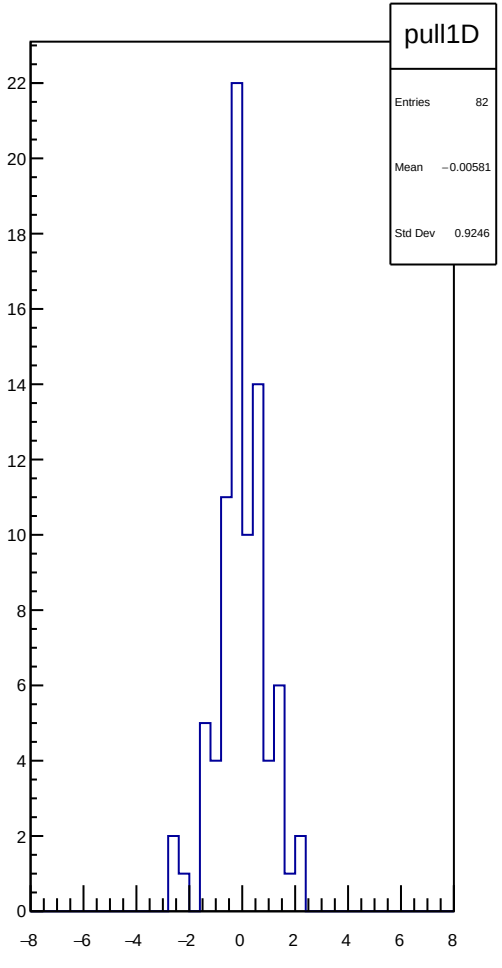

asym_sam6_rms vs run
χ² / ndf 6326 / 81
p0 1143 ± 0.9137
1350
1300
1250
1200
1150
1100
1050
1000

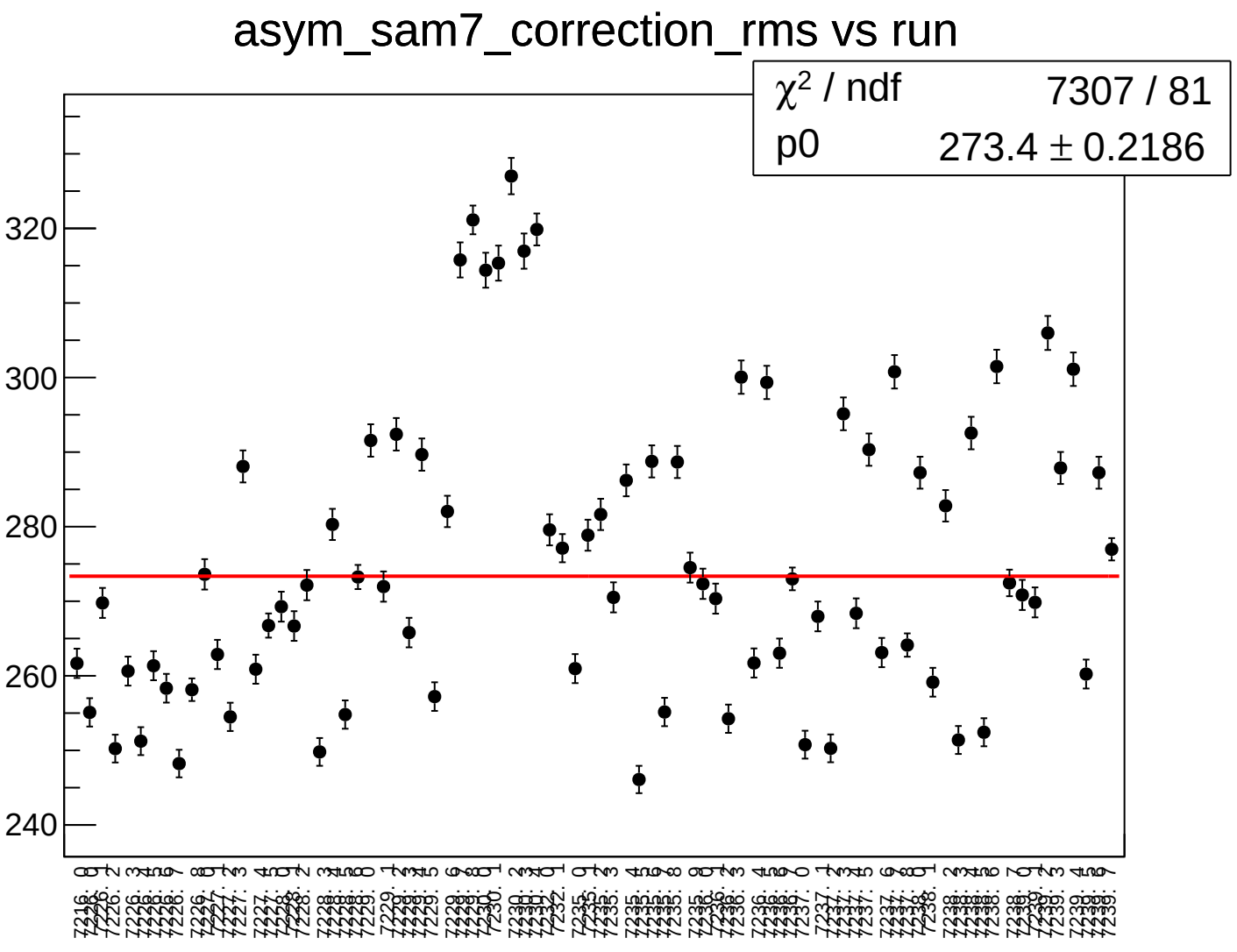

dit_asym_sam7_mean vs run
χ² / ndf 85.82 / 81
p0 −180.7 ± 76.63
pull
Entries 82
Mean −89.26
Std Dev 127.6

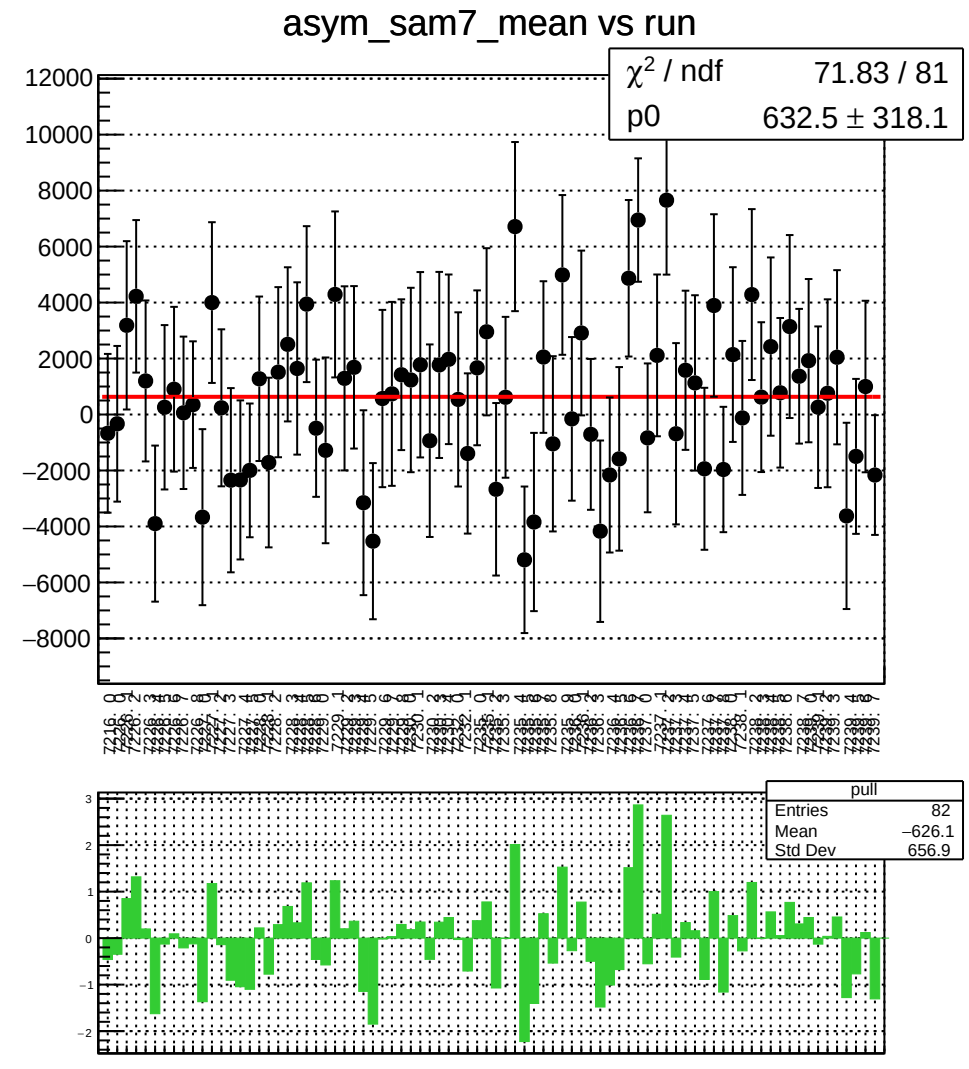

pull1D
Entries 82
Mean −0.03124
Std Dev 1.023

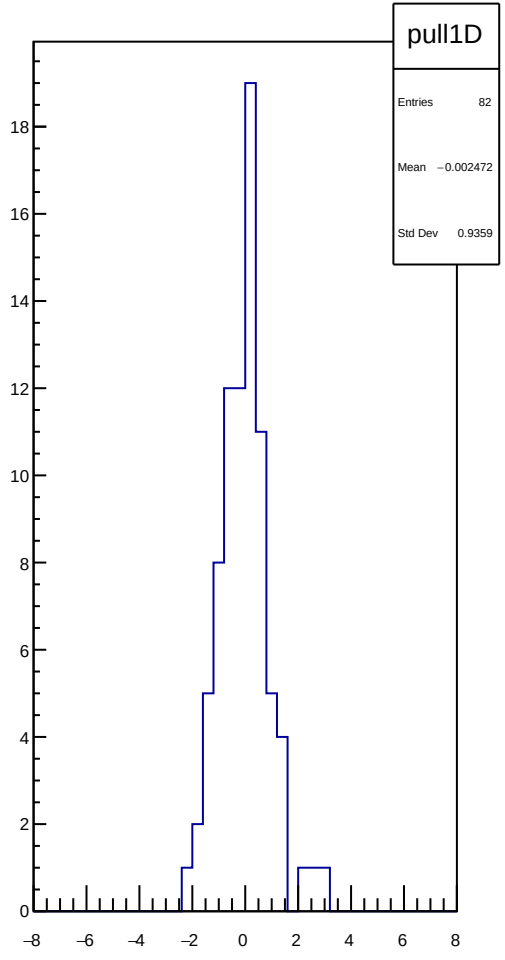

dit_asym_sam7_rms vs run
χ^2 / ndf 8656 / 81
p0 67.73 ± 0.05418
84
82
80
78
76
74
72
70
68
66
64
62

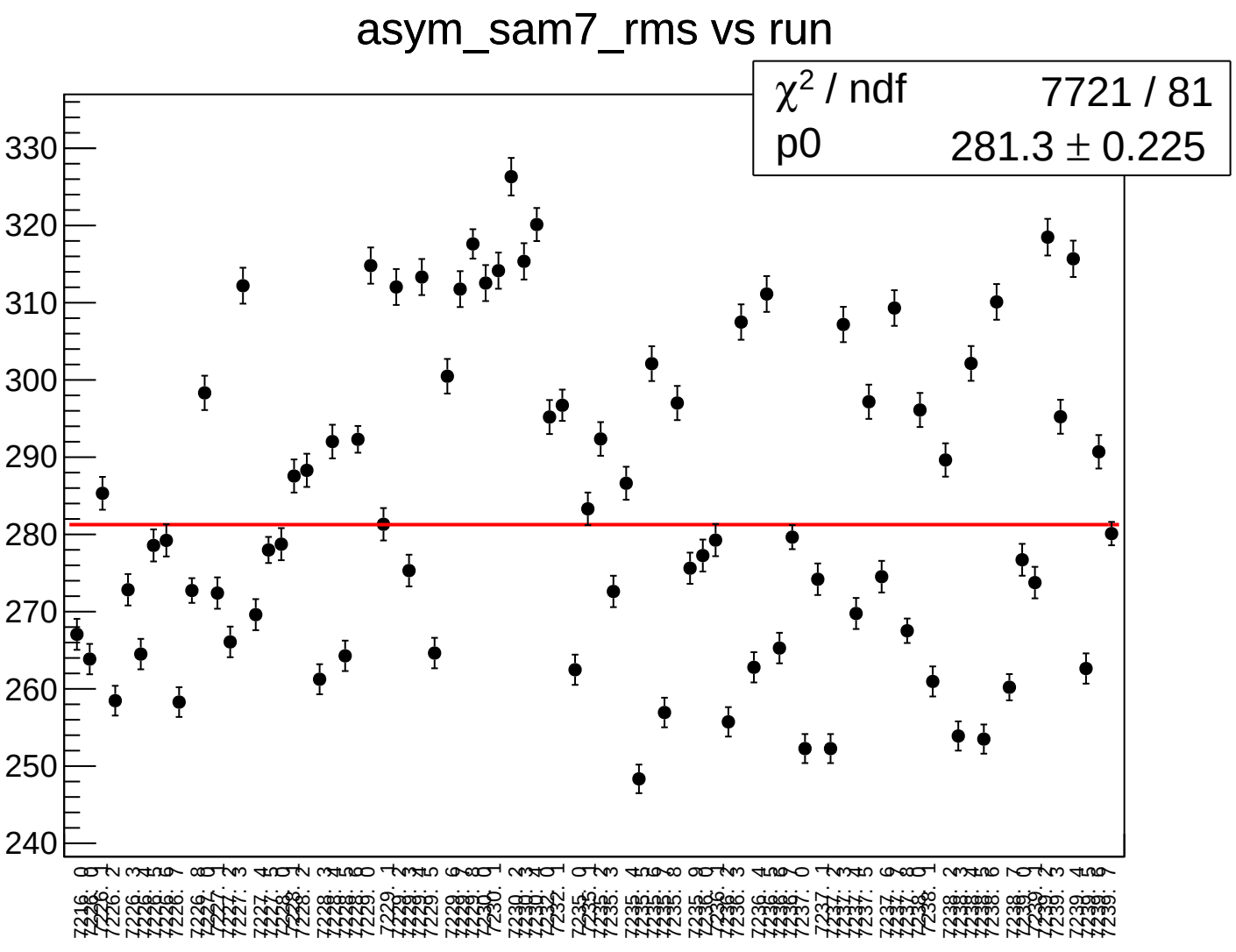

asym_sam7_correction_mean vs run
χ² / ndf 70.11 / 81
p0 −809.1 ± 309.1
pull
Entries 82
Mean 162.9
Std Dev 139.7

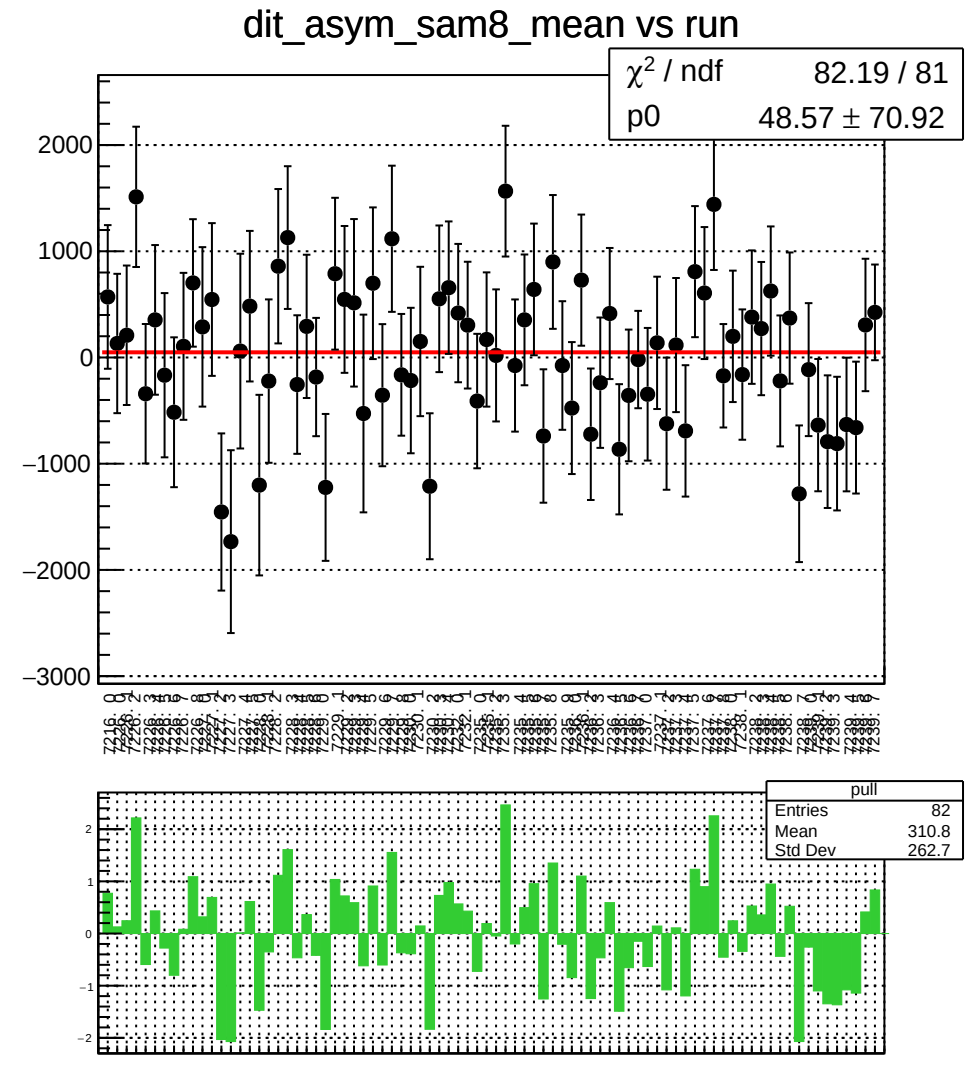

pull1D
Entries 82
Mean −0.00581
Std Dev 0.9246

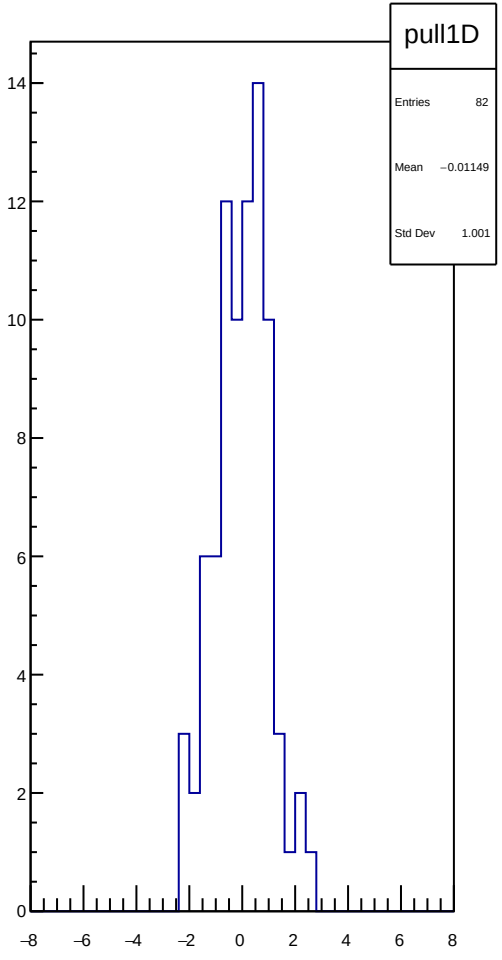

asym_sam7_correction_rms vs run
χ² / ndf 7307 / 81
p0 273.4 ± 0.2186
320
300
280
260
240

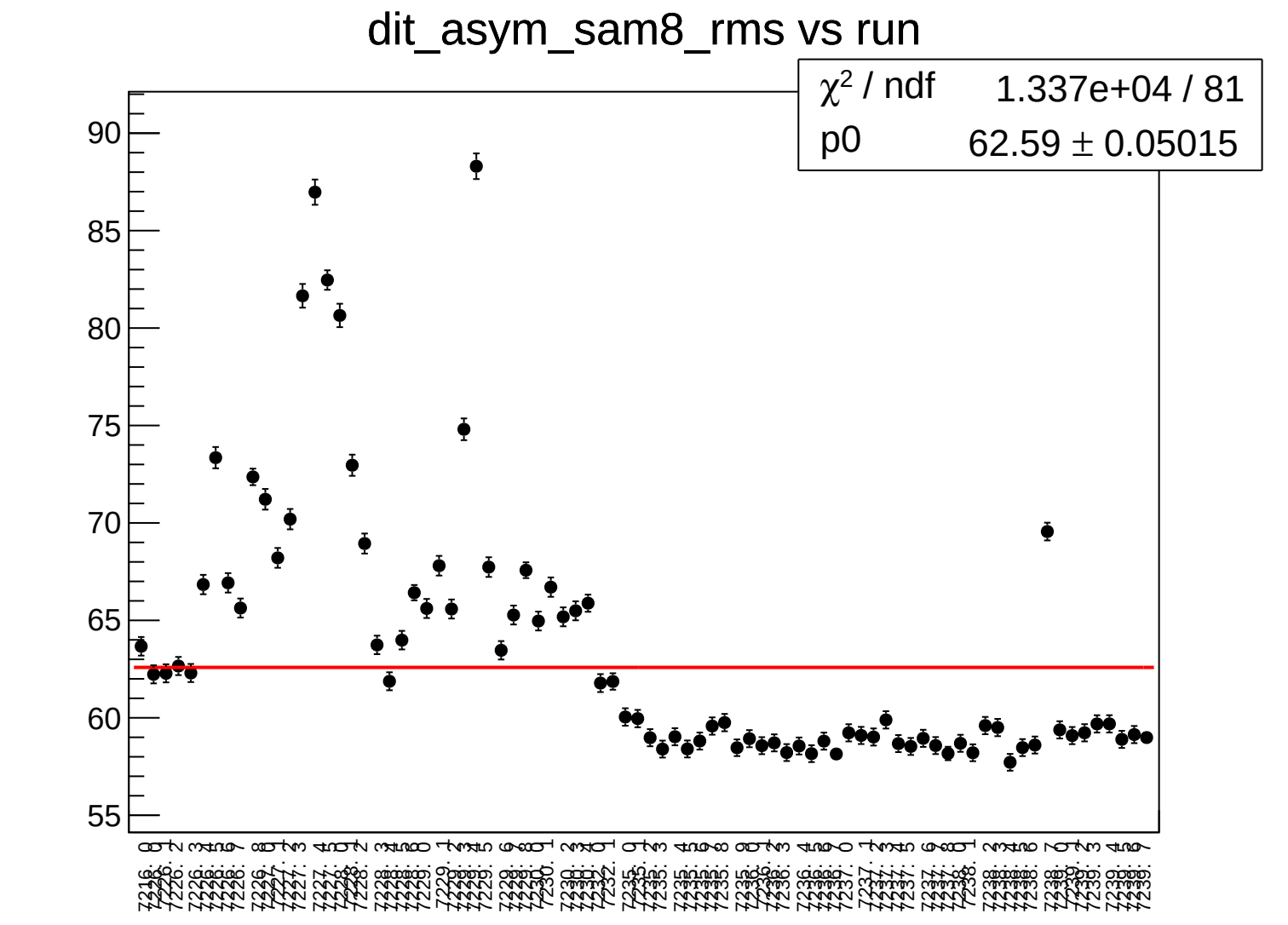

asym_sam7_mean vs run
χ² / ndf 71.83 / 81
p0 632.5 ± 318.1
pull
Entries 82
Mean −626.1
Std Dev 656.9

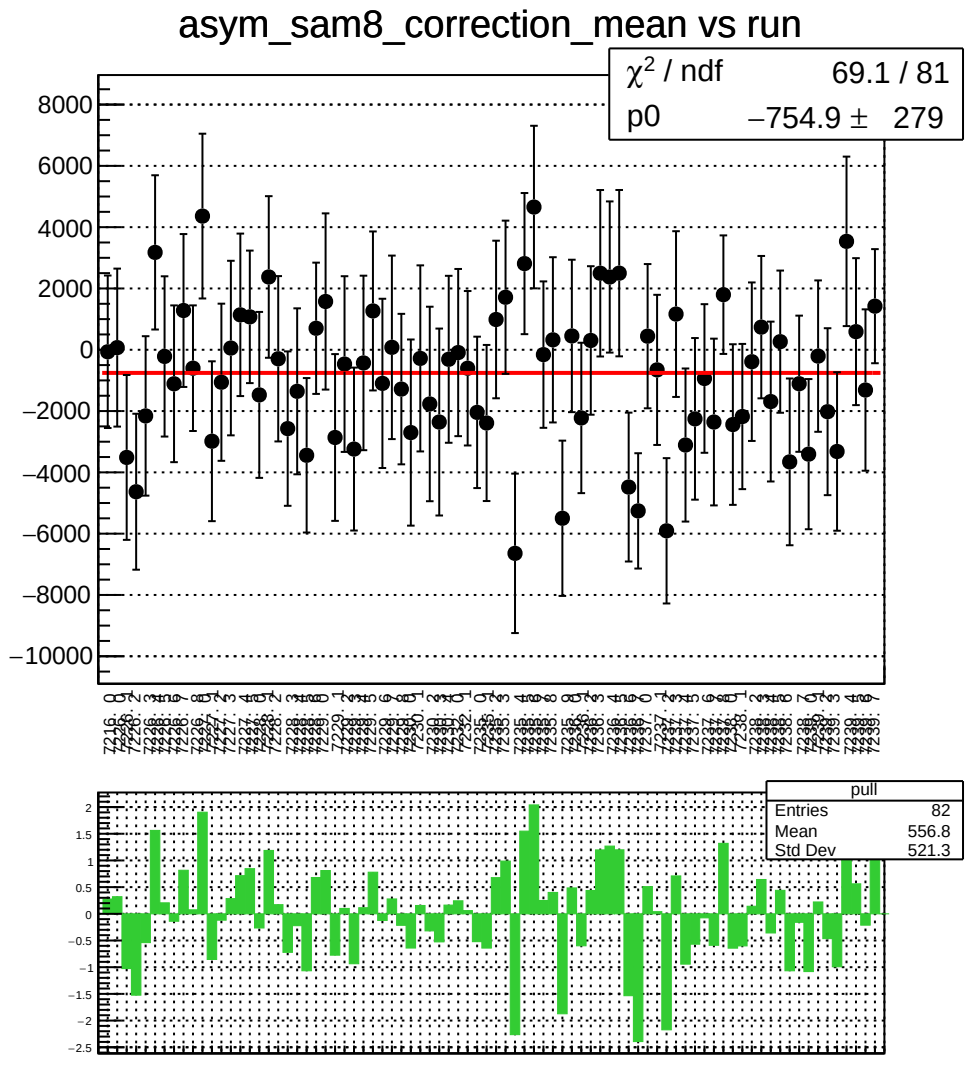

pull1D
Entries 82
Mean −0.002472
Std Dev 0.9359

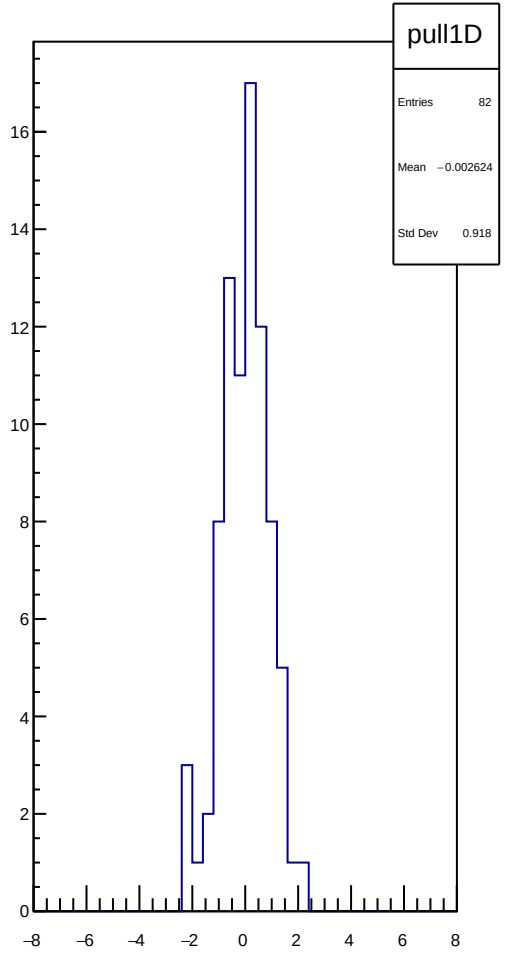

asym_sam7_rms vs run
χ^2 / ndf 7721 / 81
p0 281.3 ± 0.225
330
320
310
300
290
280
270
260
250
240

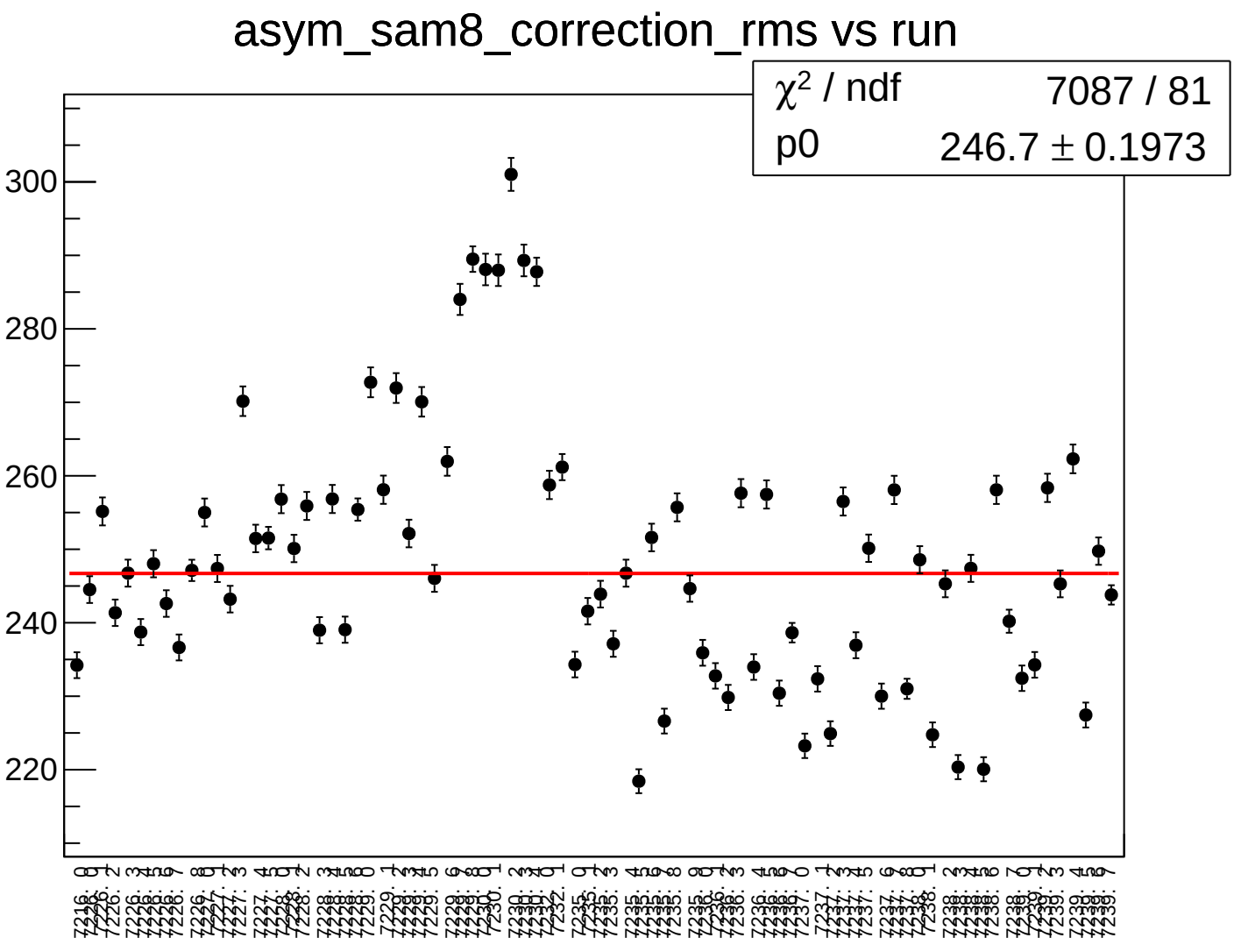

dit_asym_sam8_mean vs run
χ² / ndf 82.19 / 81
p0 48.57 ± 70.92
pull
Entries 82
Mean 310.8
Std Dev 262.7

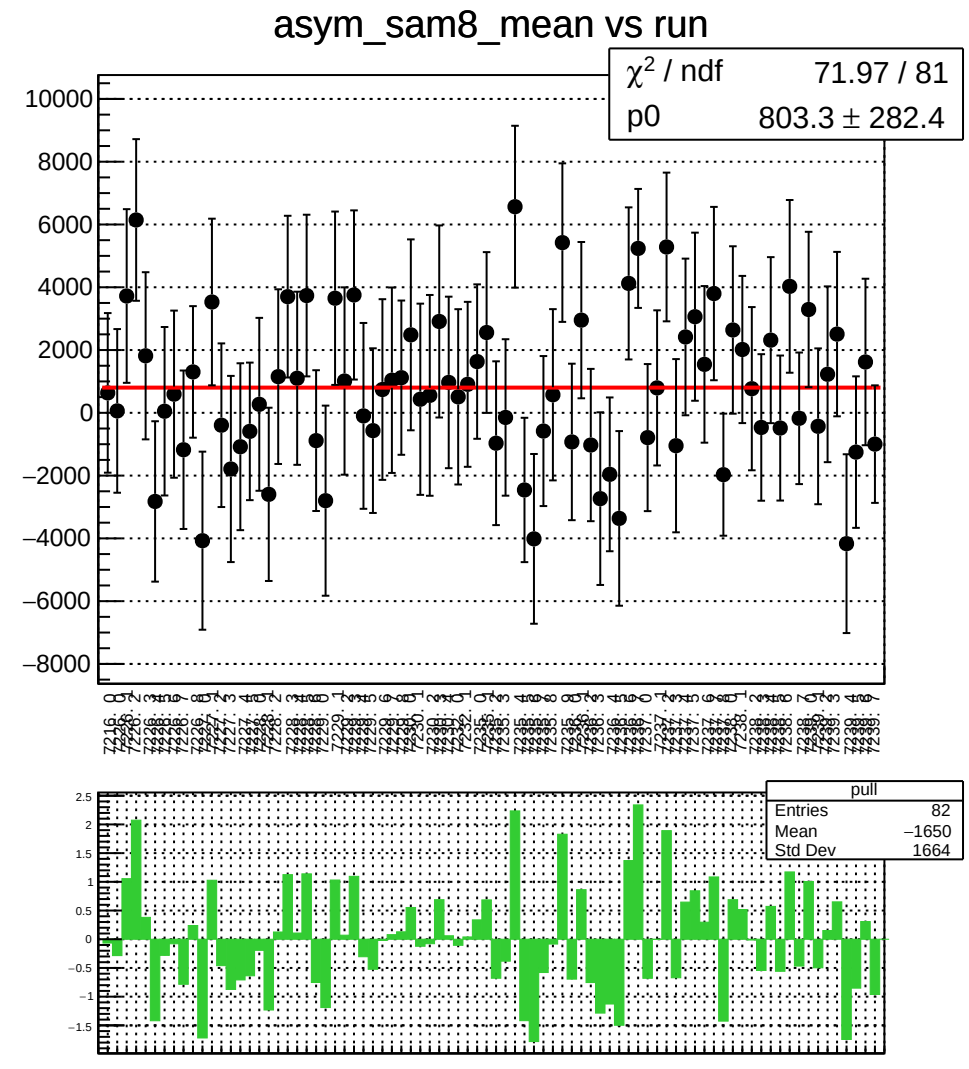

pull1D
Entries 82
Mean −0.01149
Std Dev 1.001

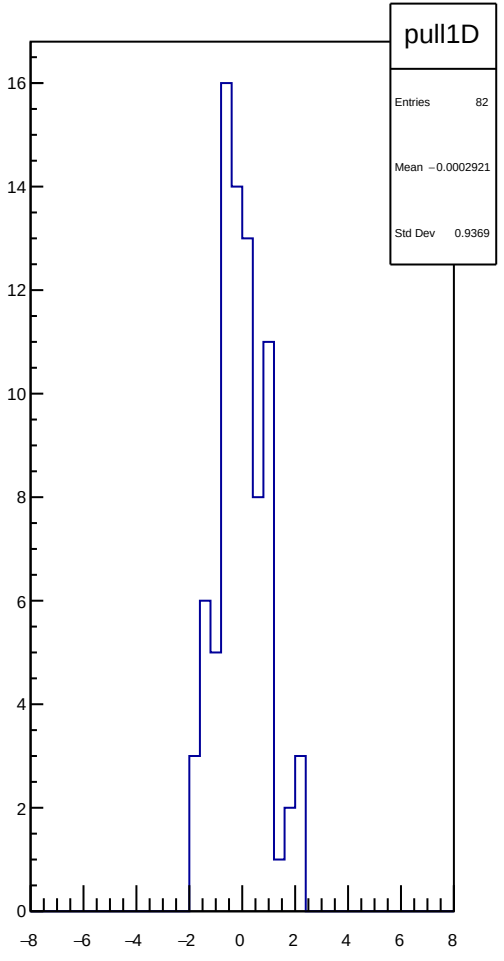

dit_asym_sam8_rms vs run
χ^2 / ndf 1.337e+04 / 81
p0 62.59 ± 0.05015
90
85
80
75
70
65
60
55

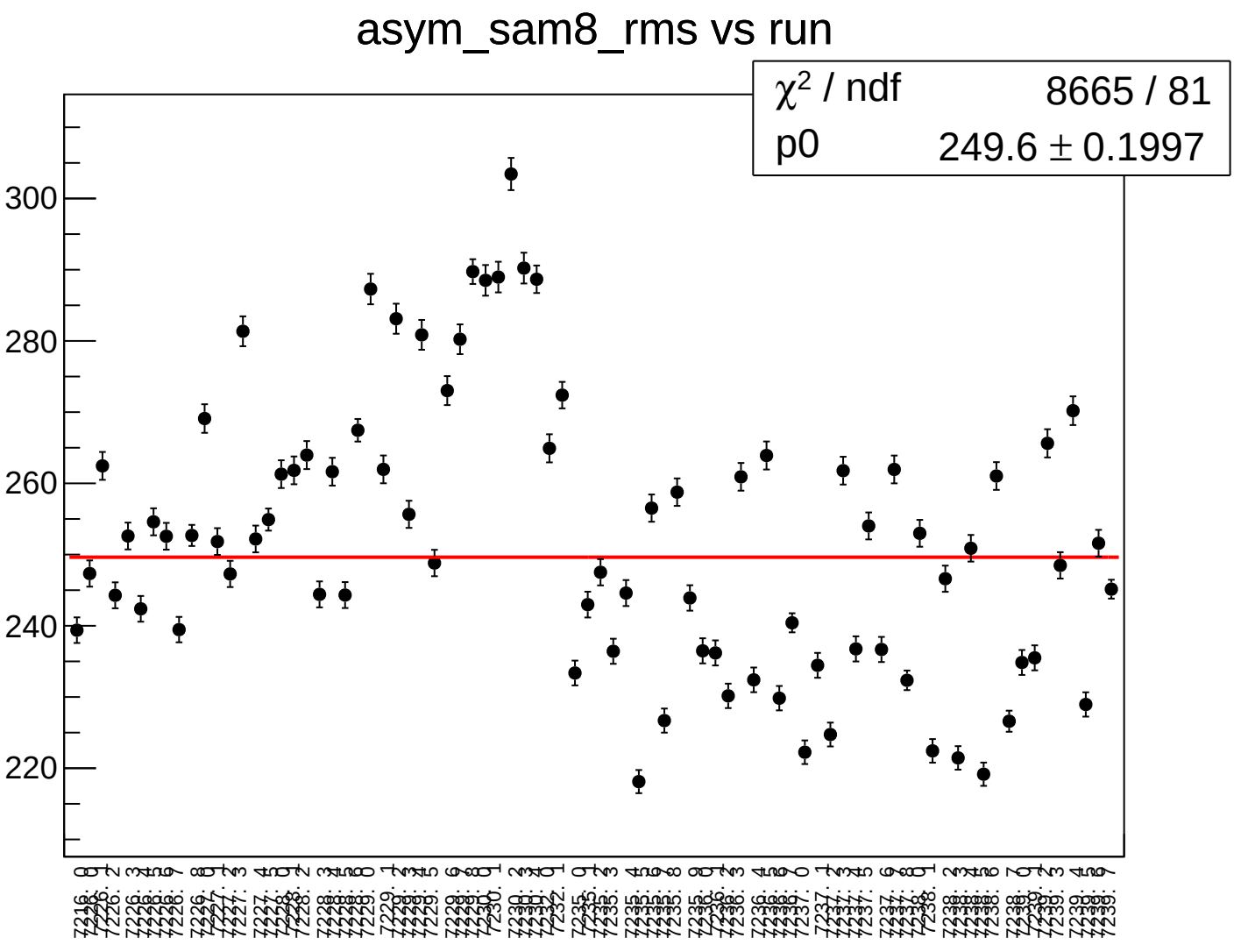

asym_sam8_correction_mean vs run
χ² / ndf 69.1 / 81
p0 −754.9 ± 279
pull
Entries 82
Mean 556.8
Std Dev 521.3

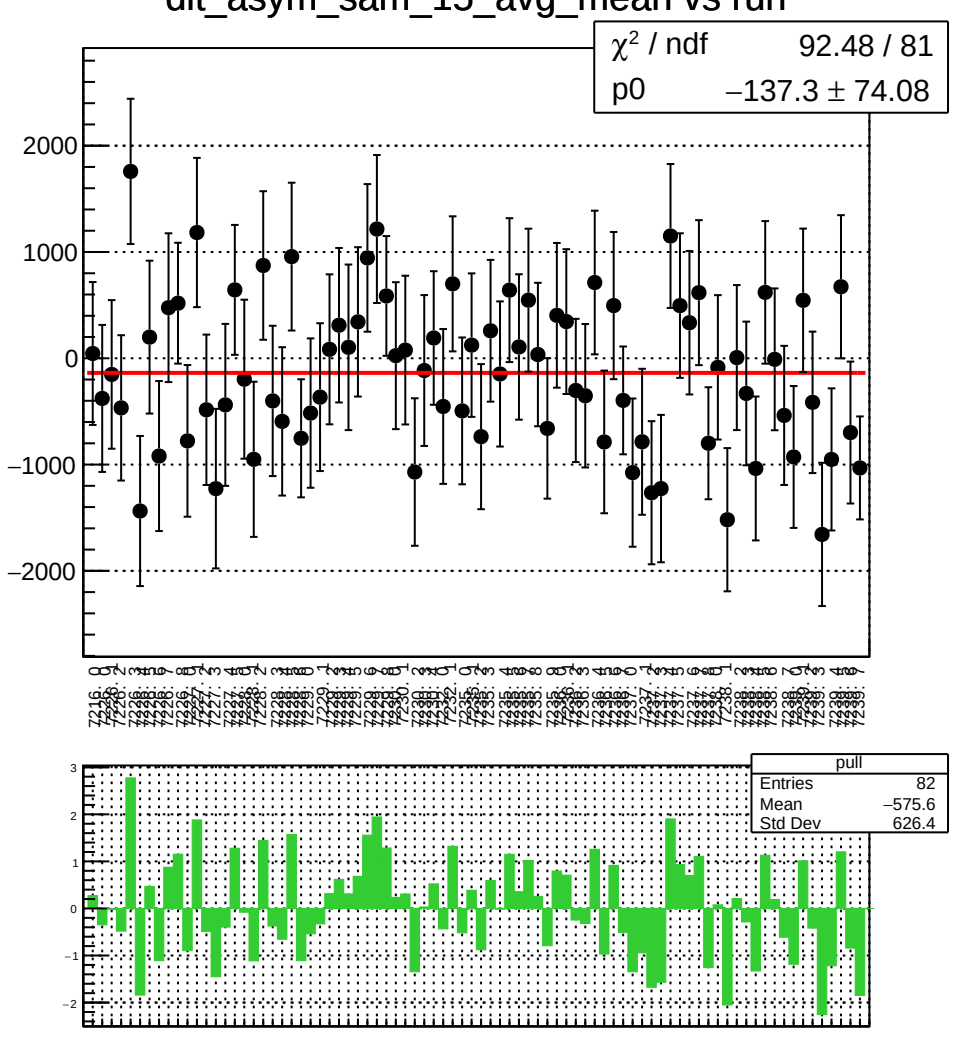

pull1D
Entries 82
Mean −0.002624
Std Dev 0.918

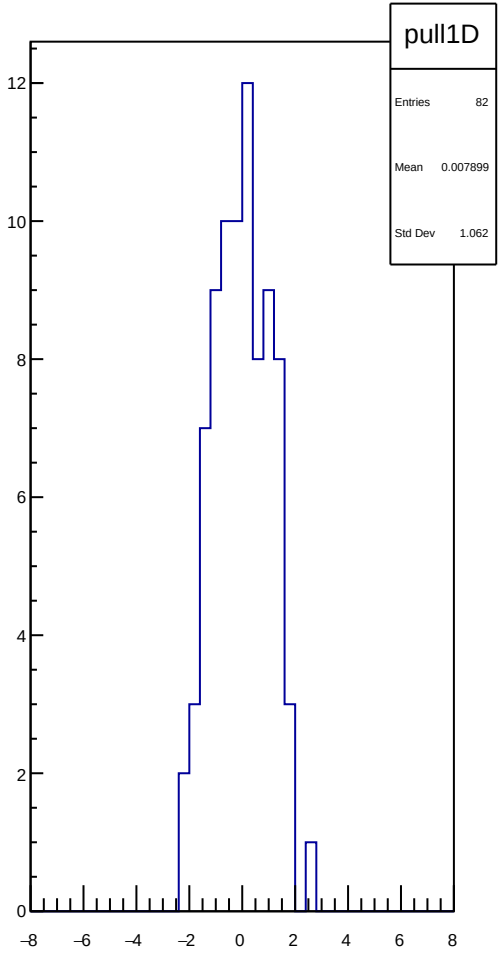

asym_sam8_correction_rms vs run
χ² / ndf 7087 / 81
p0 246.7 ± 0.1973
300
280
260
240
220

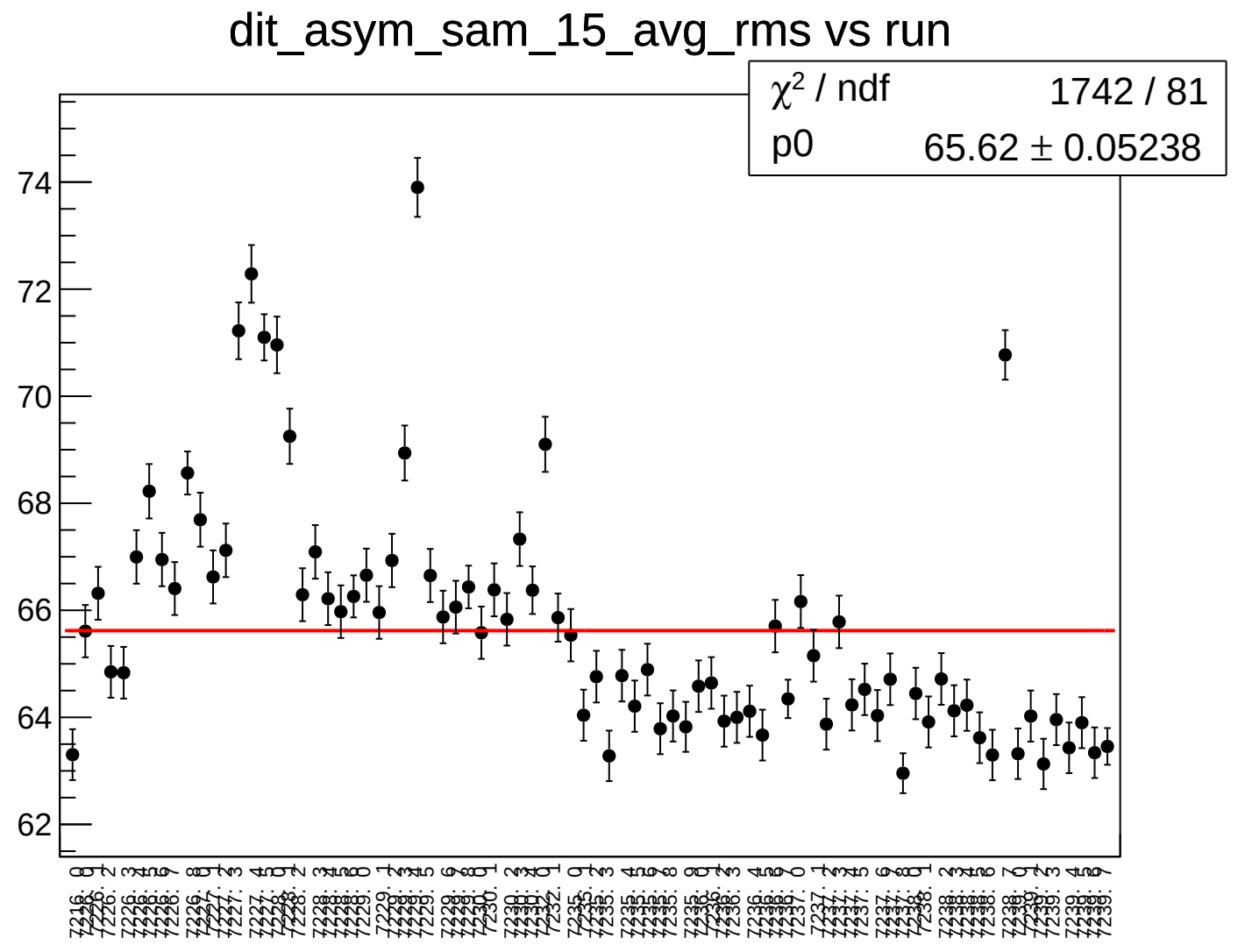

asym_sam8_mean vs run
χ^2 / ndf 71.97 / 81
p0 803.3 ± 282.4
pull
Entries 82
Mean −1650
Std Dev 1664

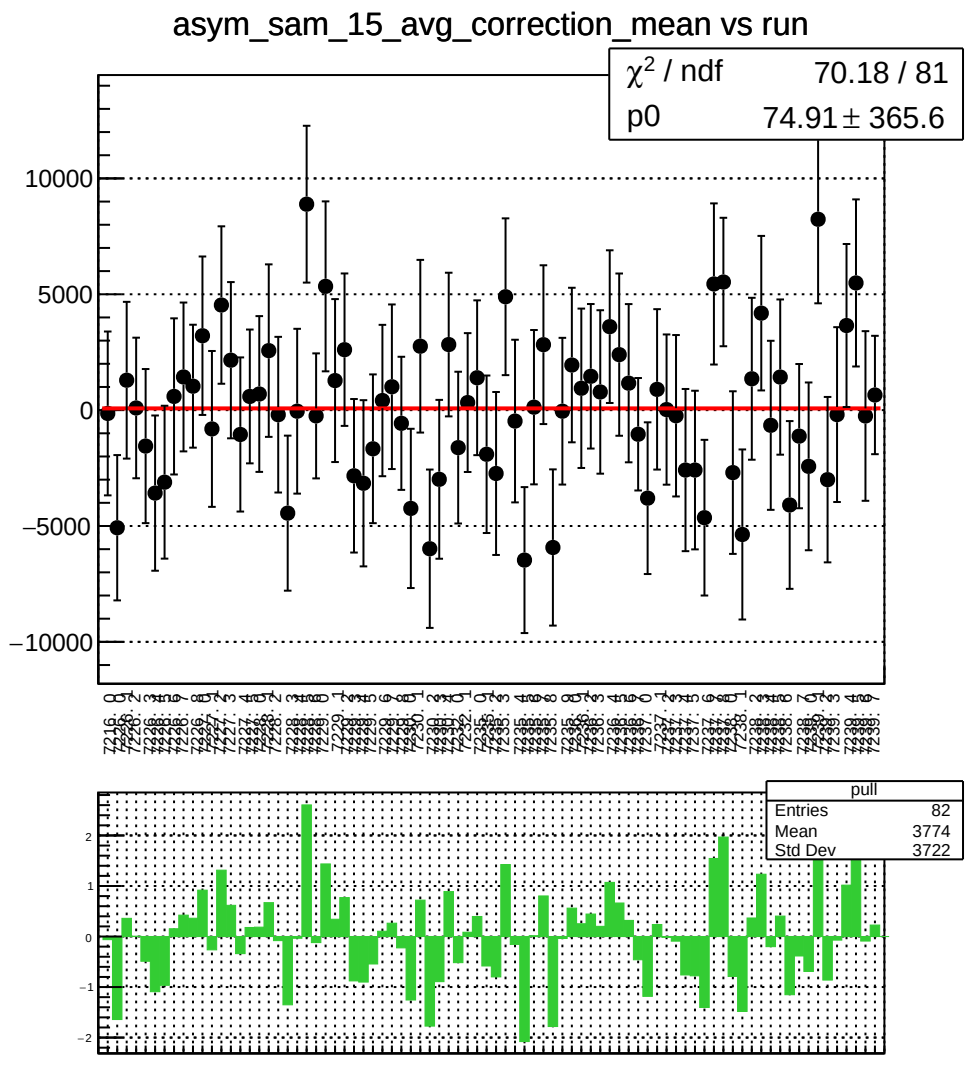

pull1D
Entries 82
Mean −0.0002921
Std Dev 0.9369

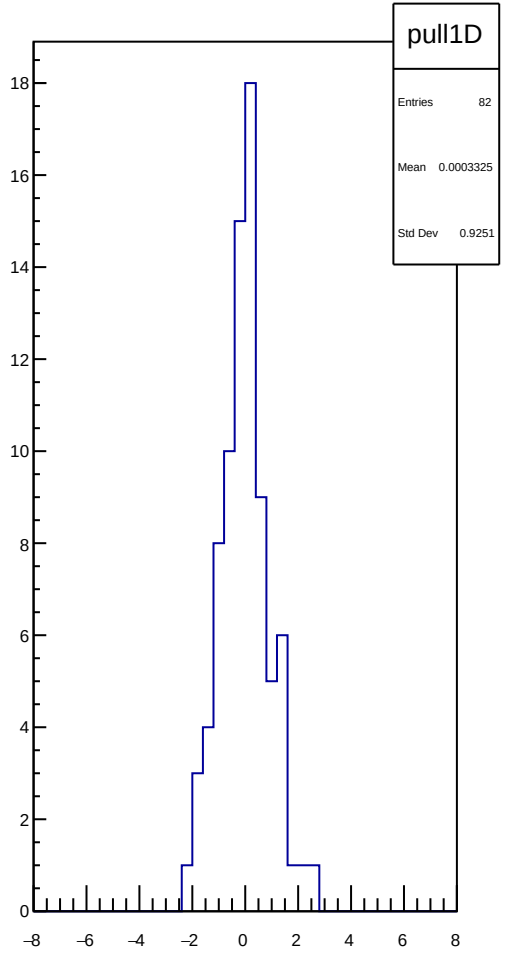

asym_sam8_rms vs run
χ² / ndf 8665 / 81
p0 249.6 ± 0.1997
300
280
260
240
220

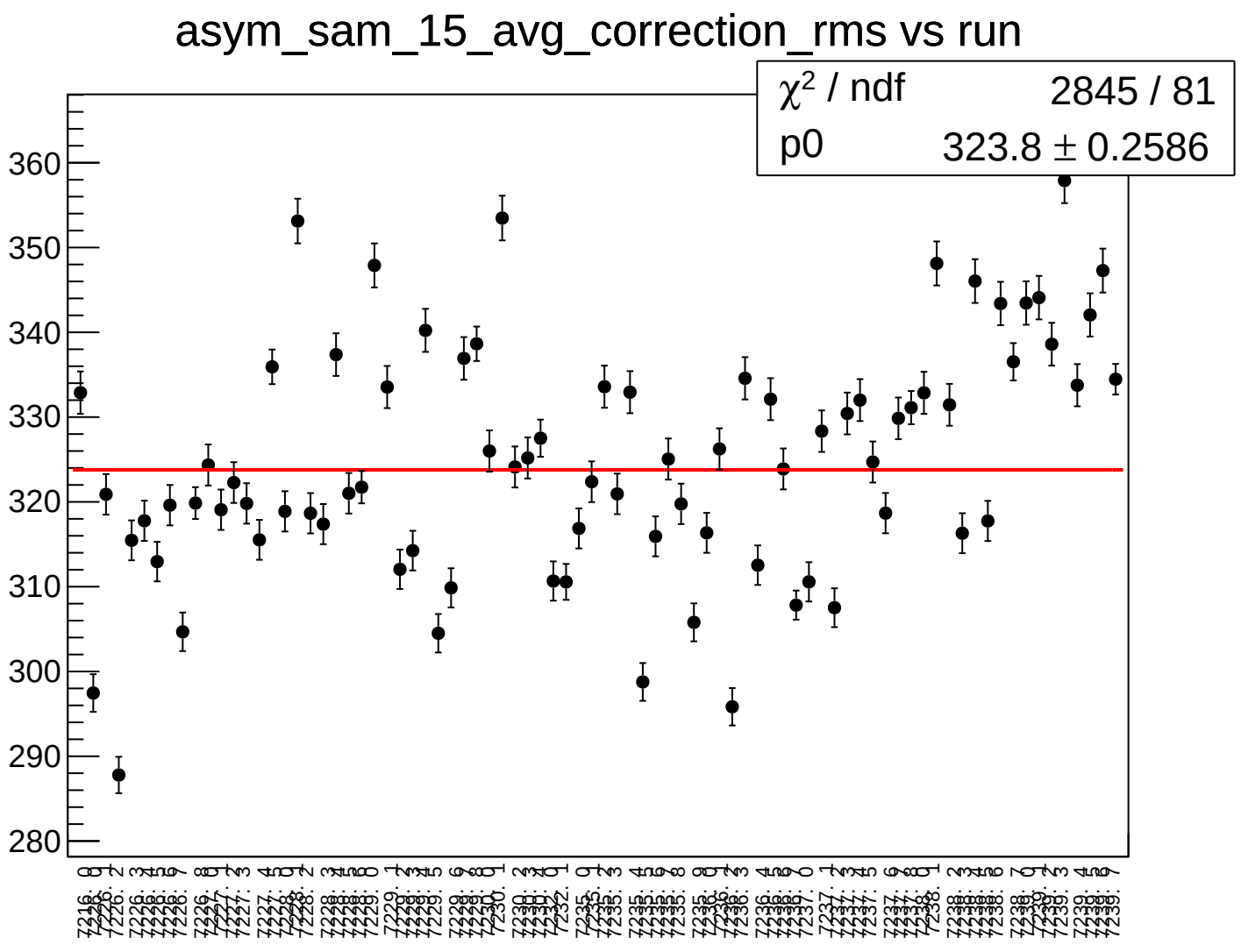

dit_asym_sam_15_avg_mean vs run
χ² / ndf 92.48 / 81
p0 −137.3 ± 74.08
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −575.6
Std Dev 626.4
3
2
1
0
−1
−2

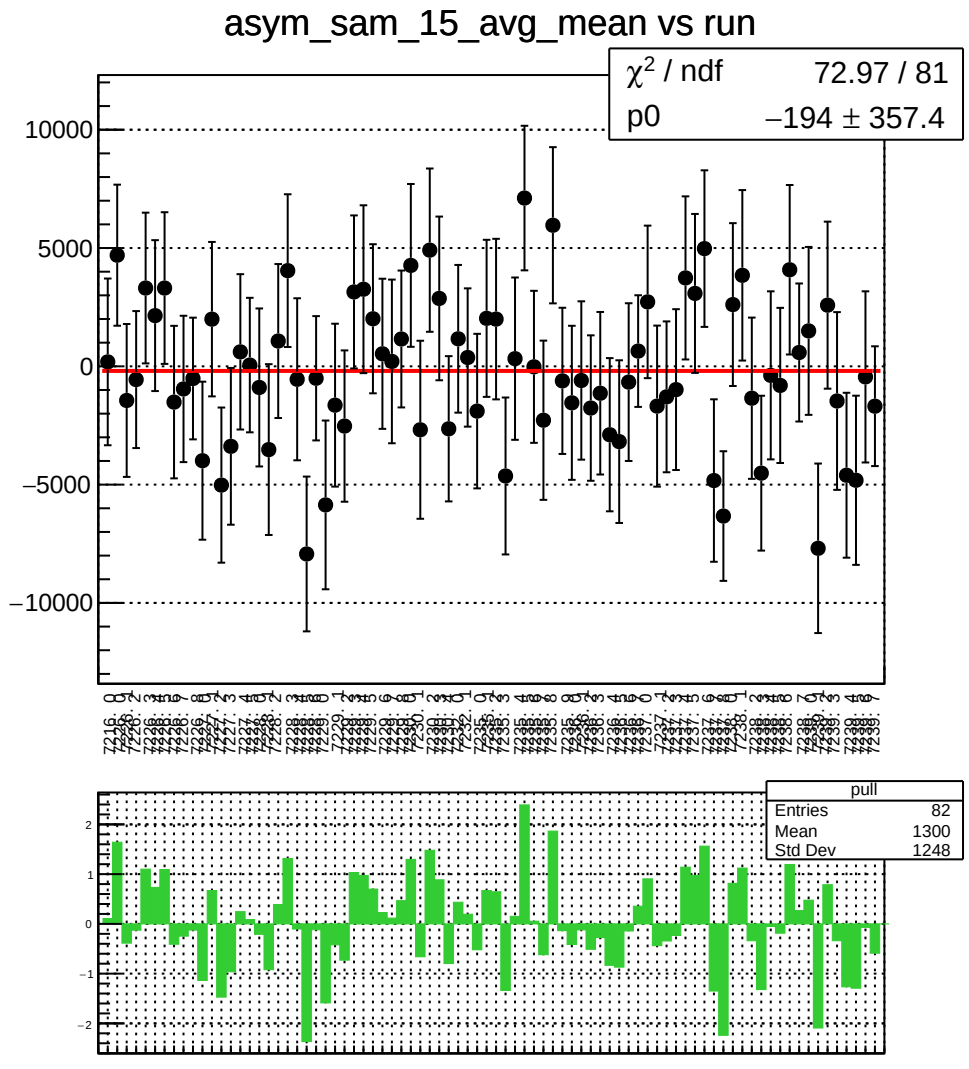

pull1D
Entries 82
Mean 0.007899
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

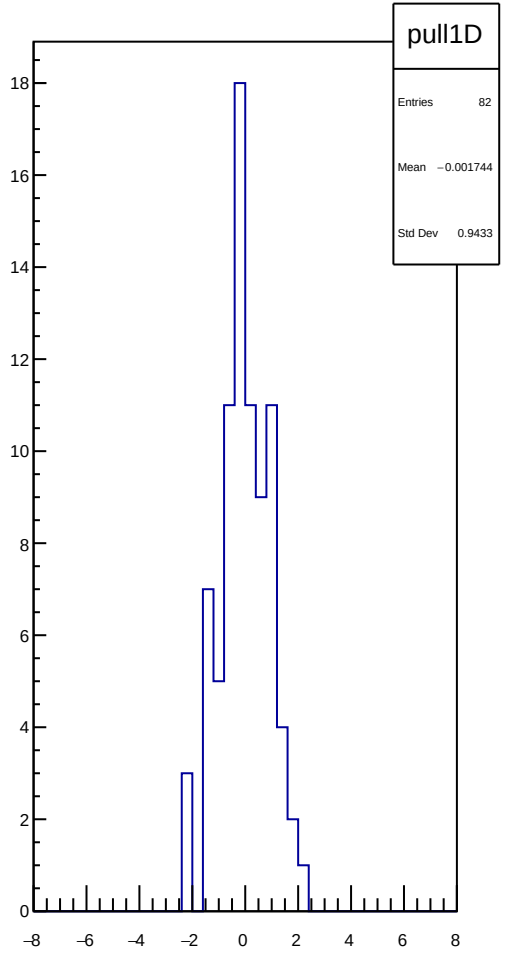

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1742 / 81
p0 65.62 ± 0.05238
74
72
70
68
66
64
62

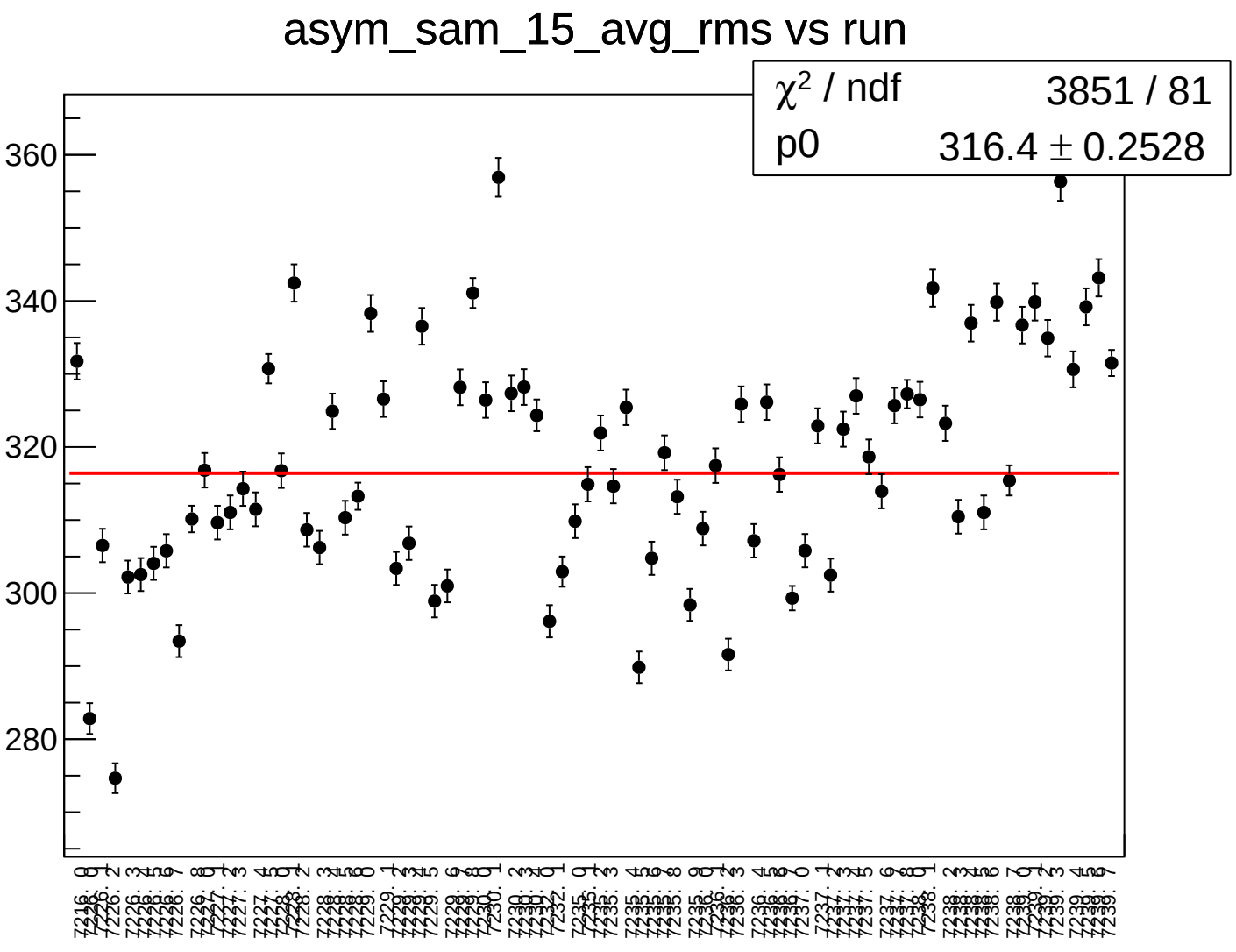

asym_sam_15_avg_correction_mean vs run
χ² / ndf 70.18 / 81
p0 74.91 ± 365.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 3774
Std Dev 3722
2
1
0
−1
−2

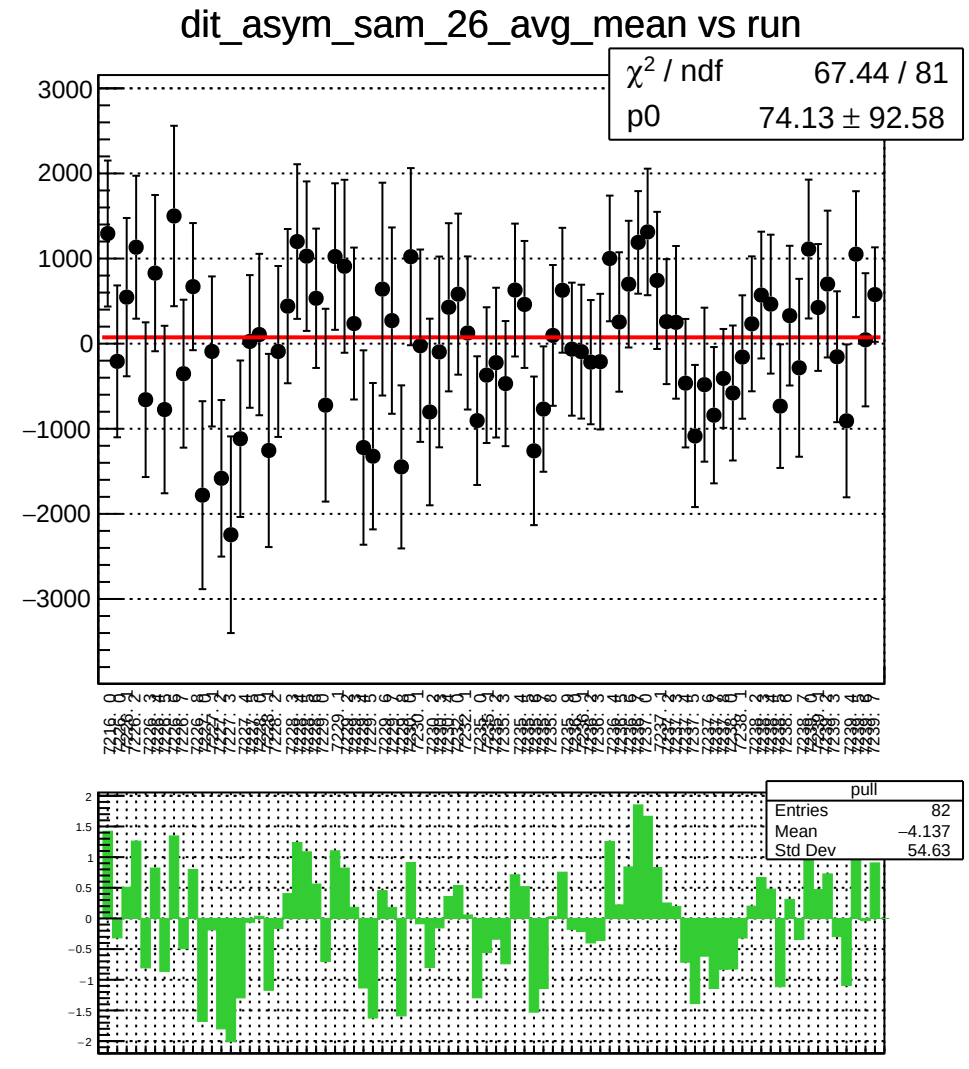

pull1D
Entries 82
Mean 0.0003325
Std Dev 0.9251
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

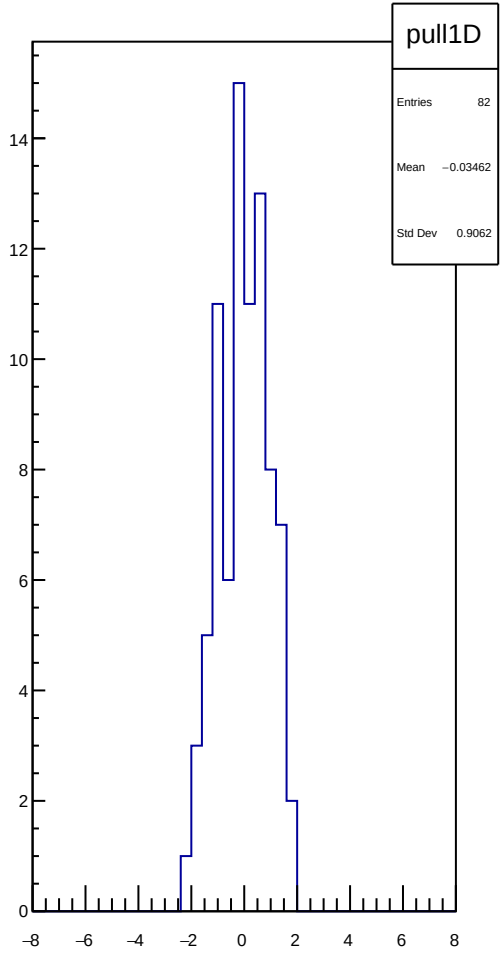

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 2845 / 81
p0 323.8 ± 0.2586
360
350
340
330
320
310
300
290
280

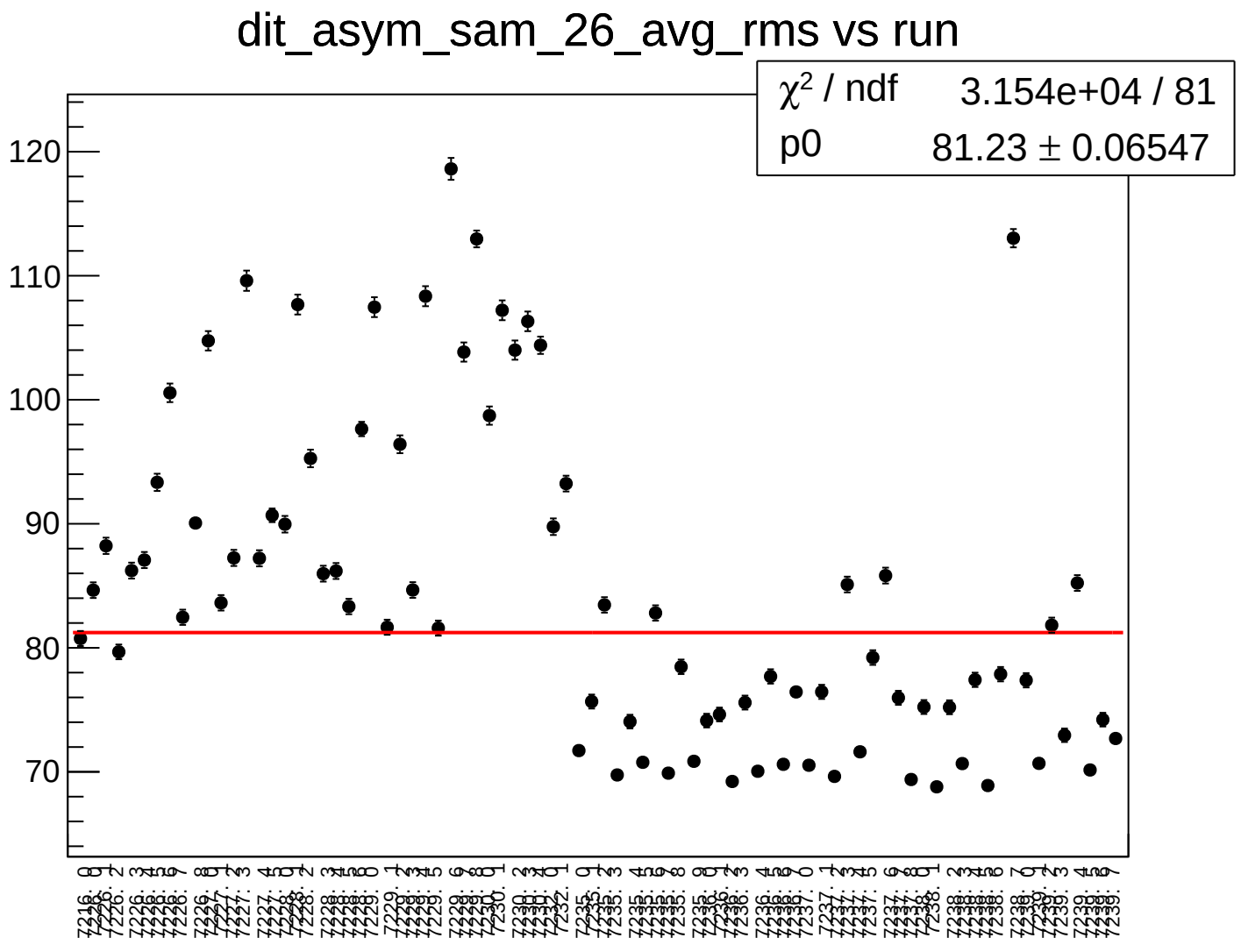

asym_sam_15_avg_mean vs run
χ² / ndf 72.97 / 81
p0 −194 ± 357.4
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1300
Std Dev 1248
2
1
0
−1
−2

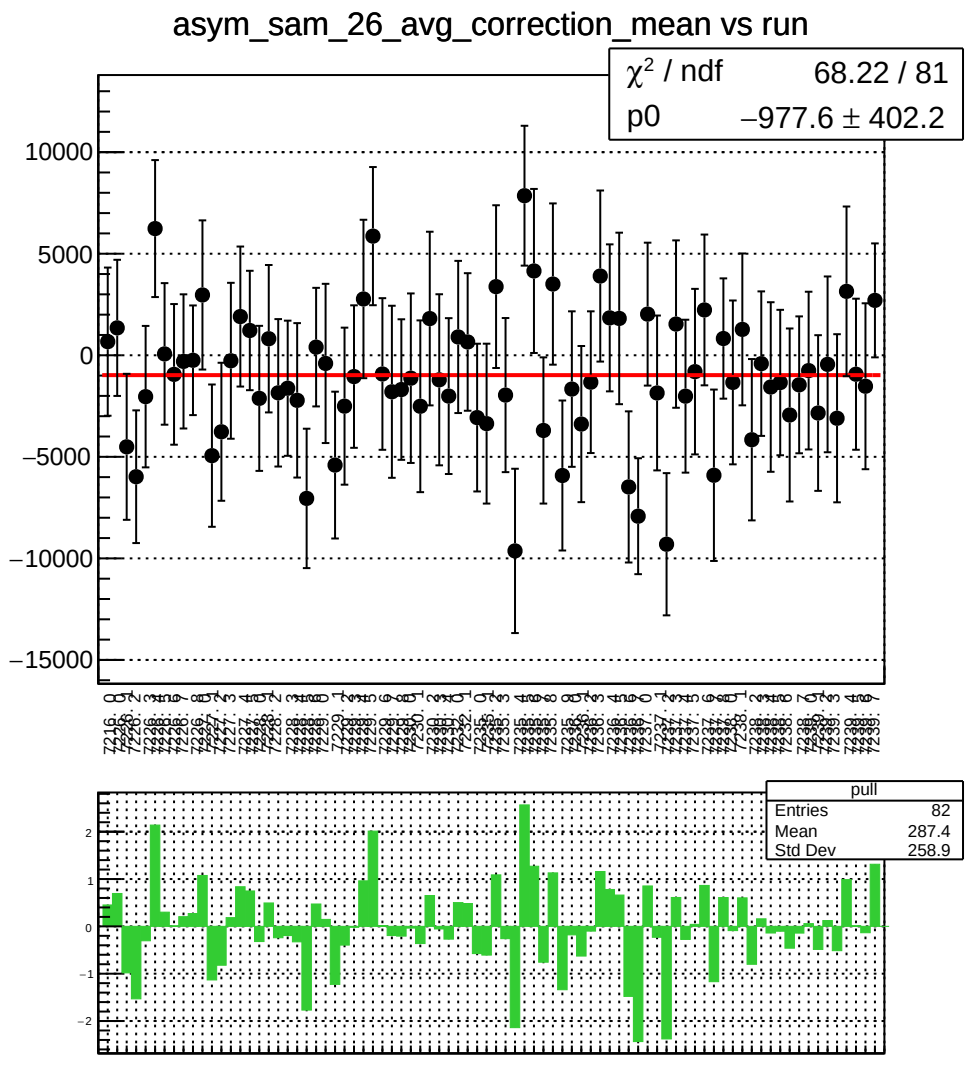

pull1D
Entries 82
Mean −0.001744
Std Dev 0.9433
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

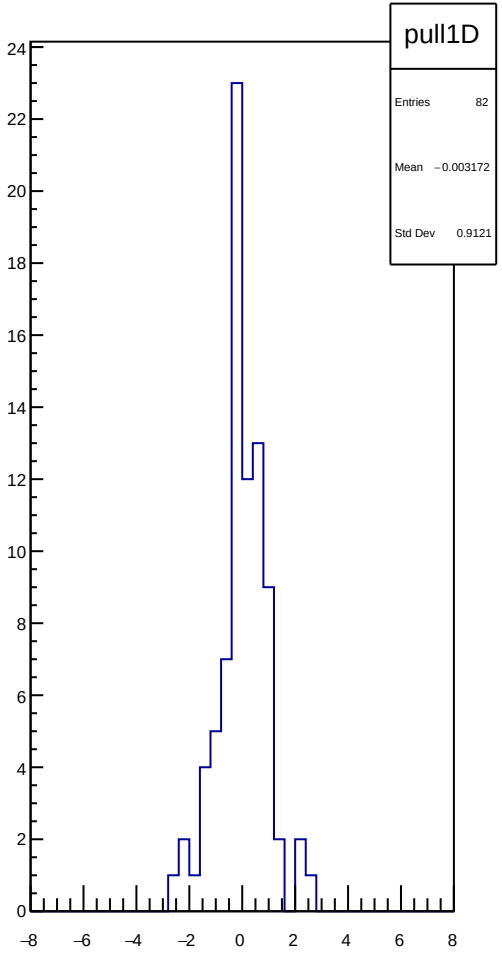

asym_sam_15_avg_rms vs run
χ² / ndf 3851 / 81
p0 316.4 ± 0.2528
360
340
320
300
280

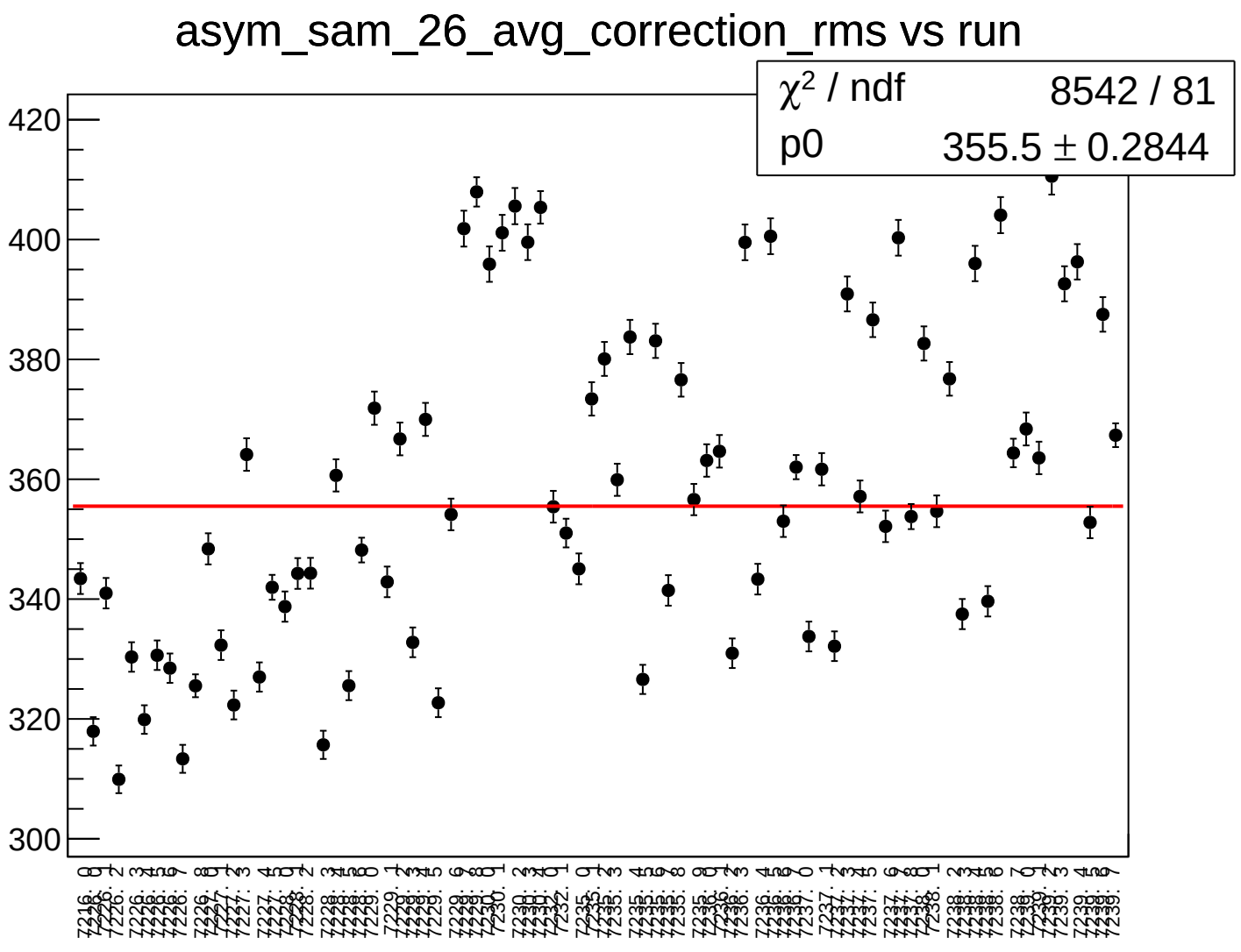

dit_asym_sam_26_avg_mean vs run
χ² / ndf 67.44 / 81
p0 74.13 ± 92.58
pull
Entries 82
Mean −4.137
Std Dev 54.63

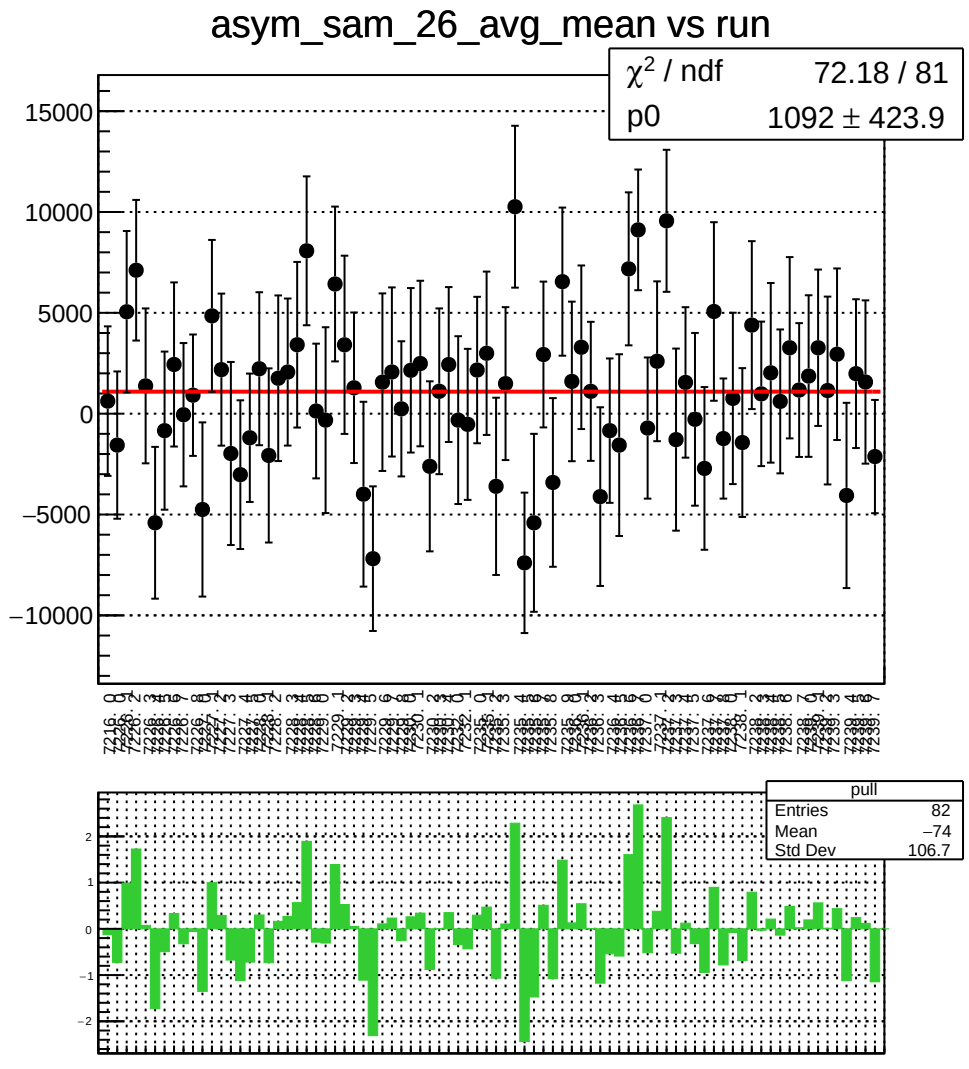

pull1D
Entries 82
Mean −0.03462
Std Dev 0.9062

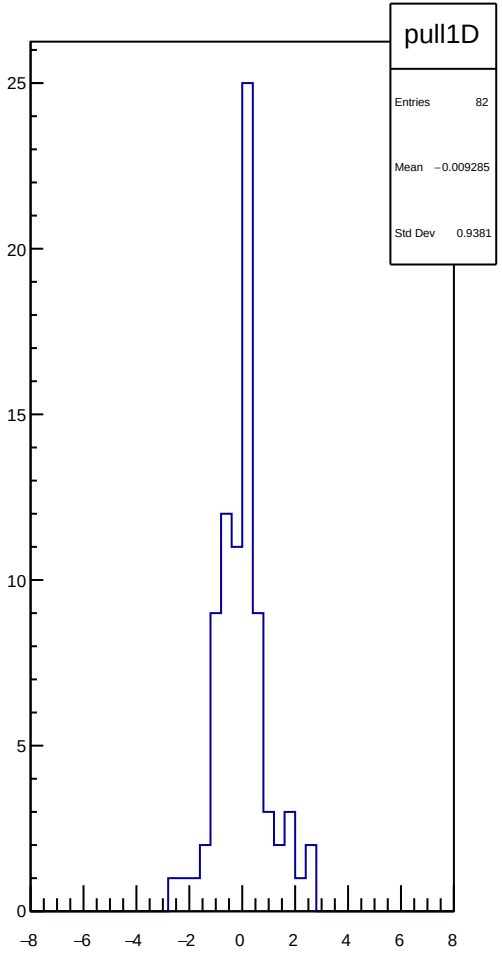

dit_asym_sam_26_avg_rms vs run
χ² / ndf 3.154e+04 / 81
p0 81.23 ± 0.06547
120
110
100
90
80
70

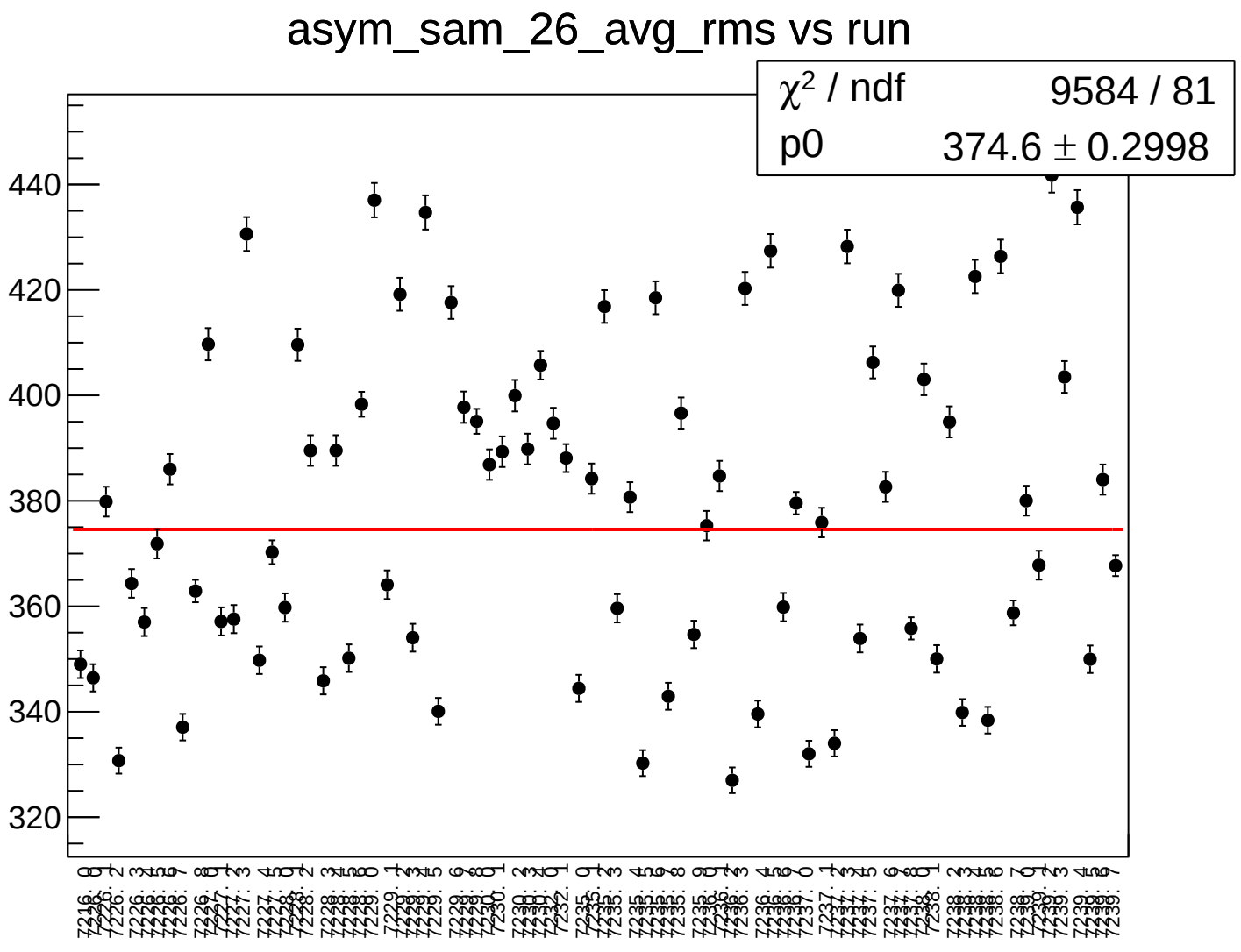

asym_sam_26_avg_correction_mean vs run
χ² / ndf 68.22 / 81
p0 −977.6 ± 402.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 287.4
Std Dev 258.9
2
1
0
−1
−2

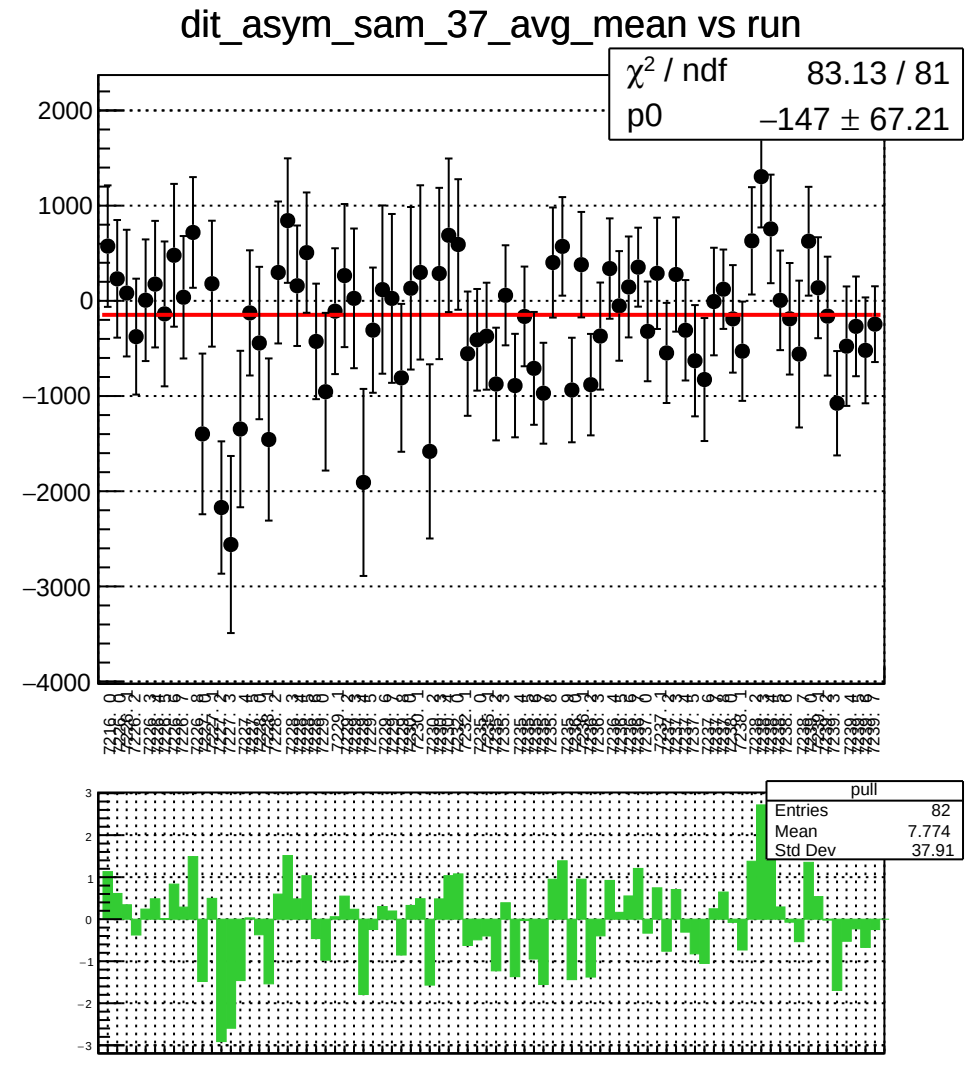

pull1D
Entries 82
Mean −0.003172
Std Dev 0.9121
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

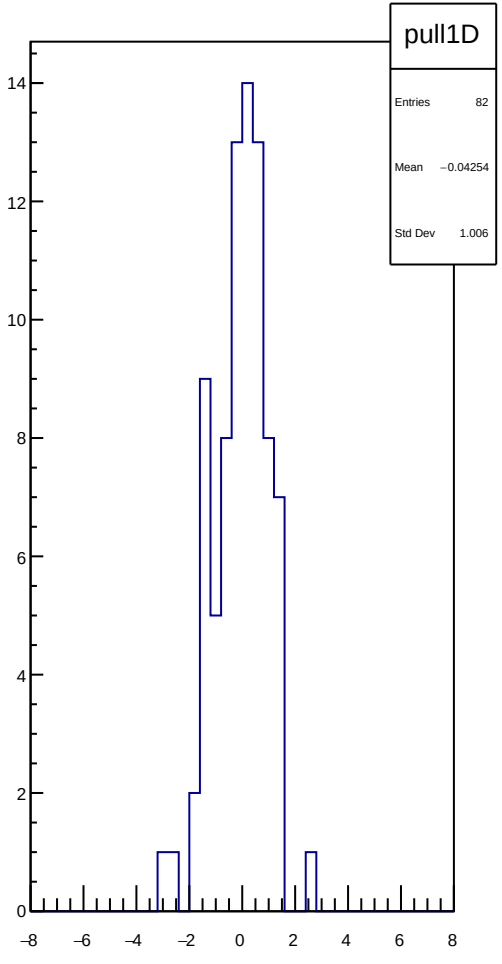

asym_sam_26_avg_correction_rms vs run
χ² / ndf 8542 / 81
p0 355.5 ± 0.2844
420
400
380
360
340
320
300

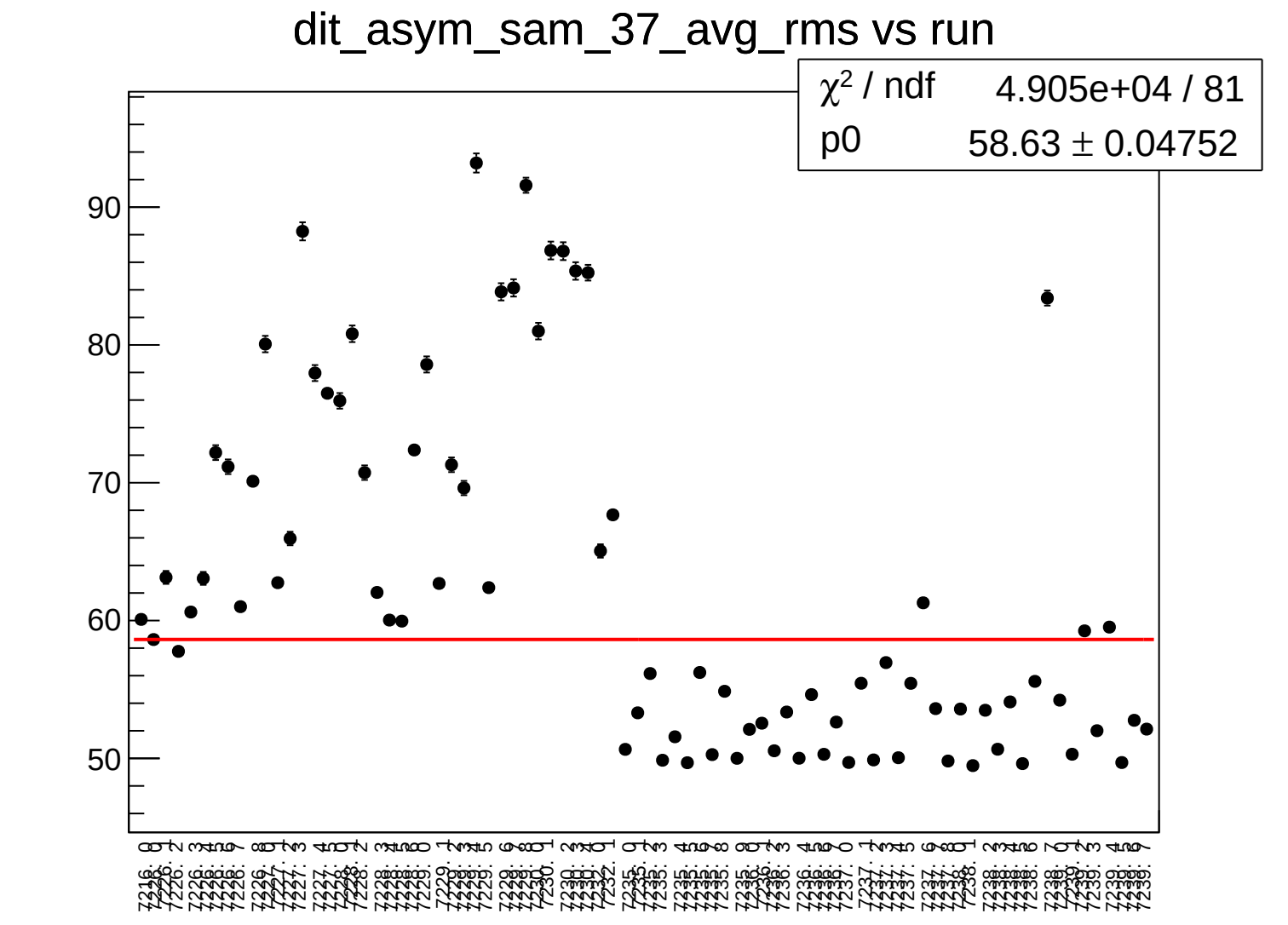

asym_sam_26_avg_mean vs run
χ² / ndf 72.18 / 81
p0 1092 ± 423.9
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −74
Std Dev 106.7
2
1
0
−1
−2

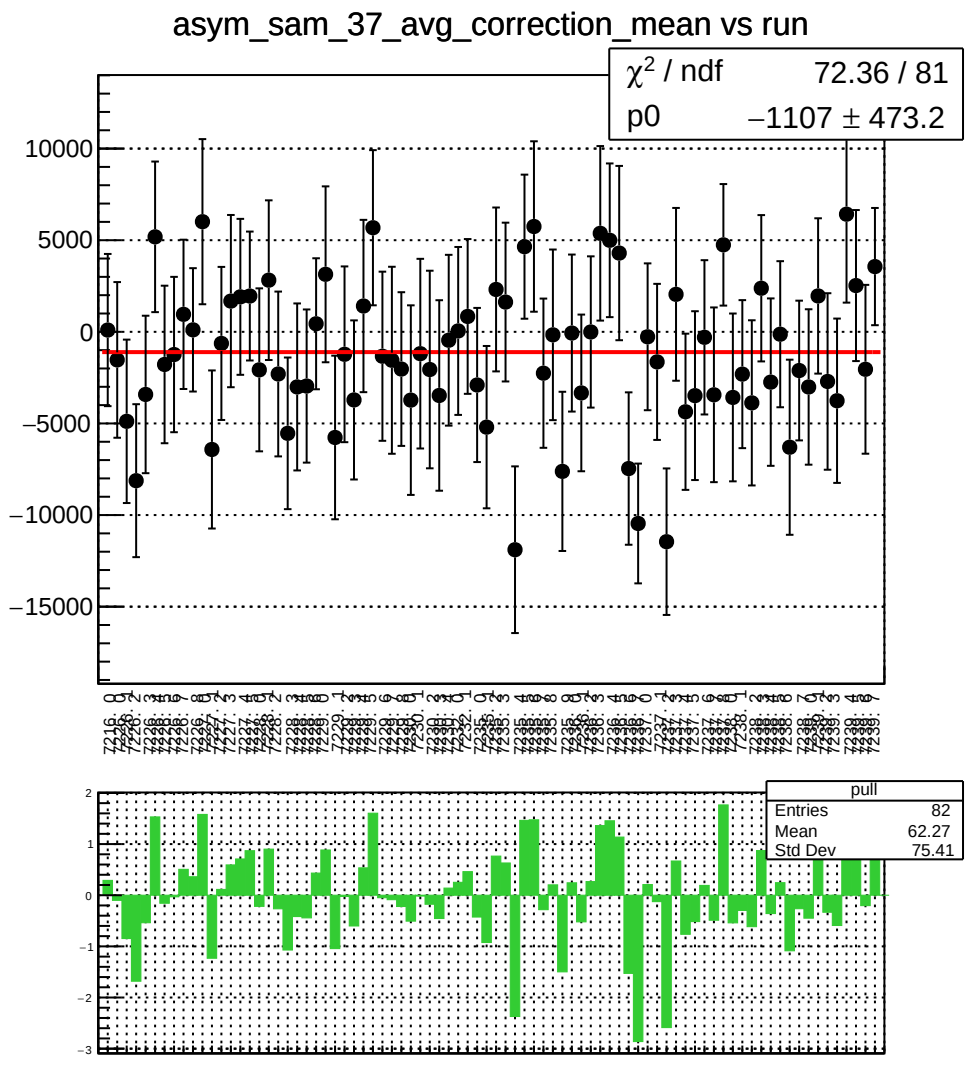

pull1D
Entries 82
Mean −0.009285
Std Dev 0.9381
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

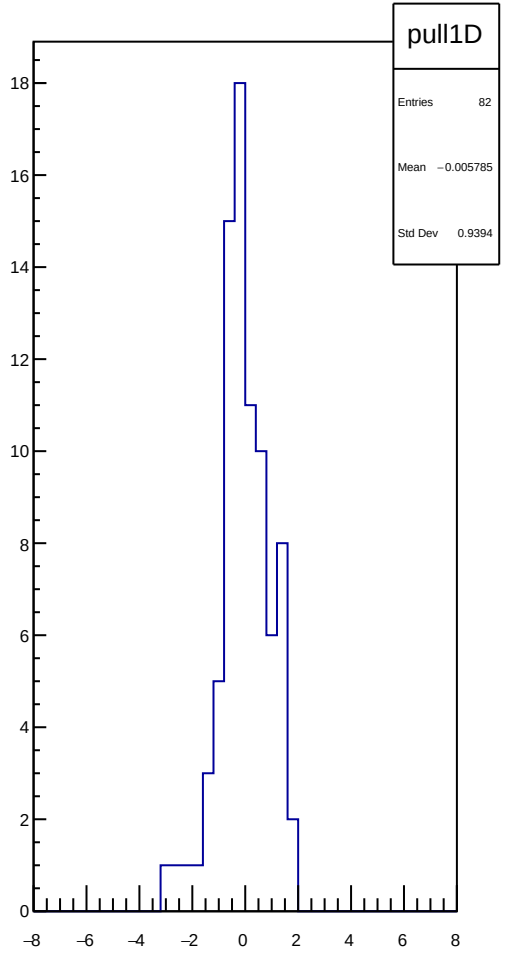

asym_sam_26_avg_rms vs run
χ² / ndf 9584 / 81
p0 374.6 ± 0.2998
440
420
400
380
360
340
320

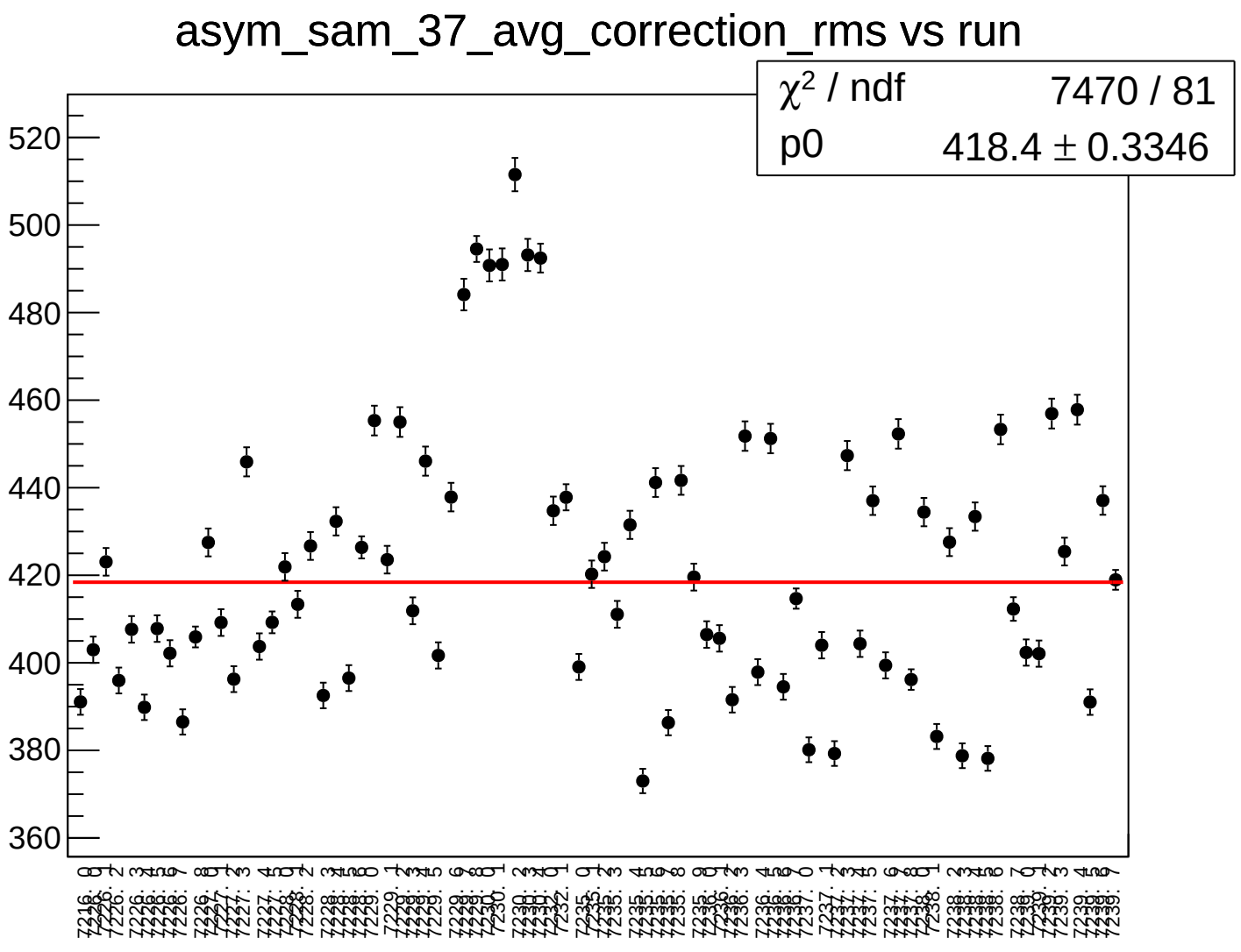

dit_asym_sam_37_avg_mean vs run
χ² / ndf 83.13 / 81
p0 −147 ± 67.21
pull
Entries 82
Mean 7.774
Std Dev 37.91

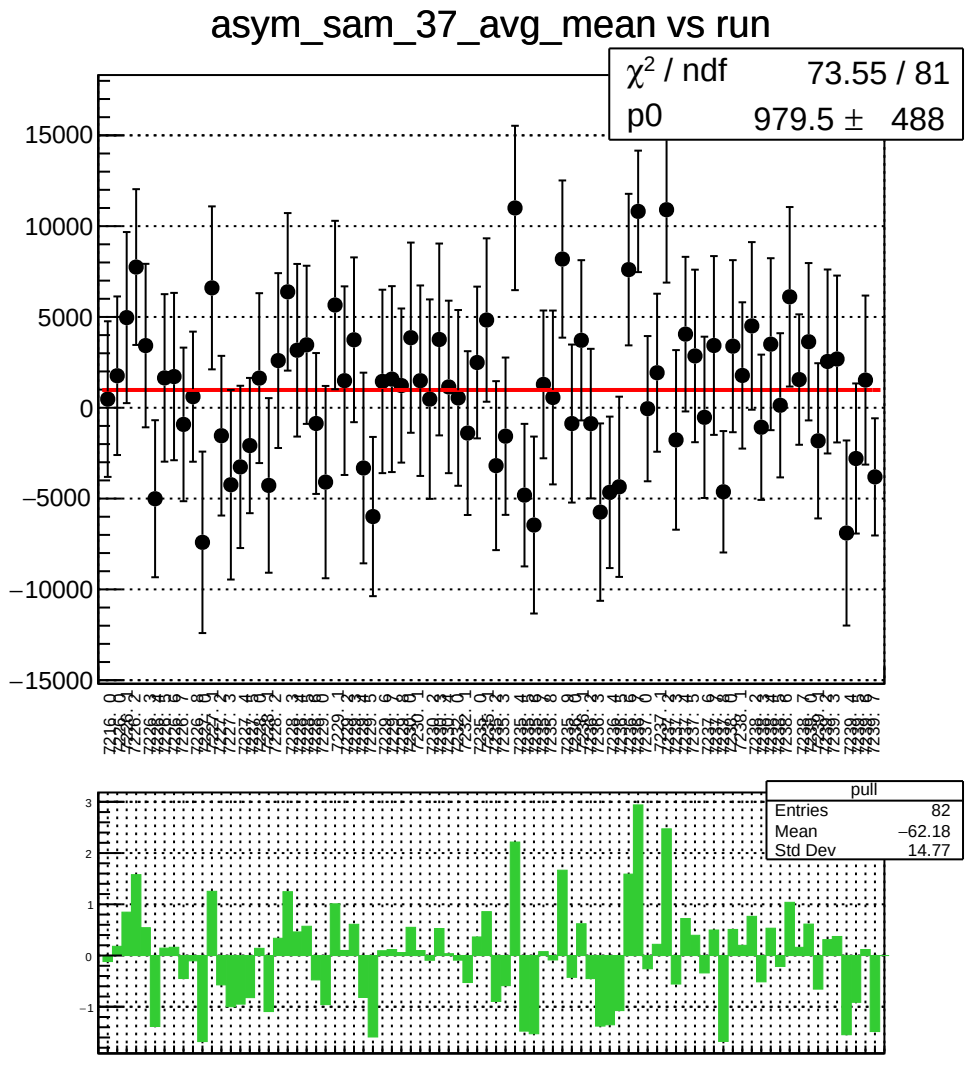

pull1D
Entries 82
Mean −0.04254
Std Dev 1.006

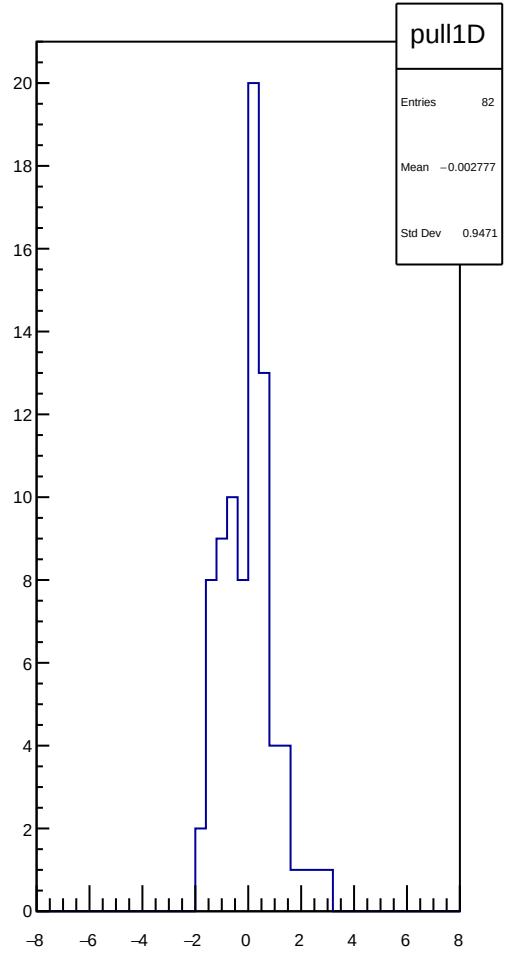

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 4.905e+04 / 81
p0 58.63 ± 0.04752
90
80
70
60
50

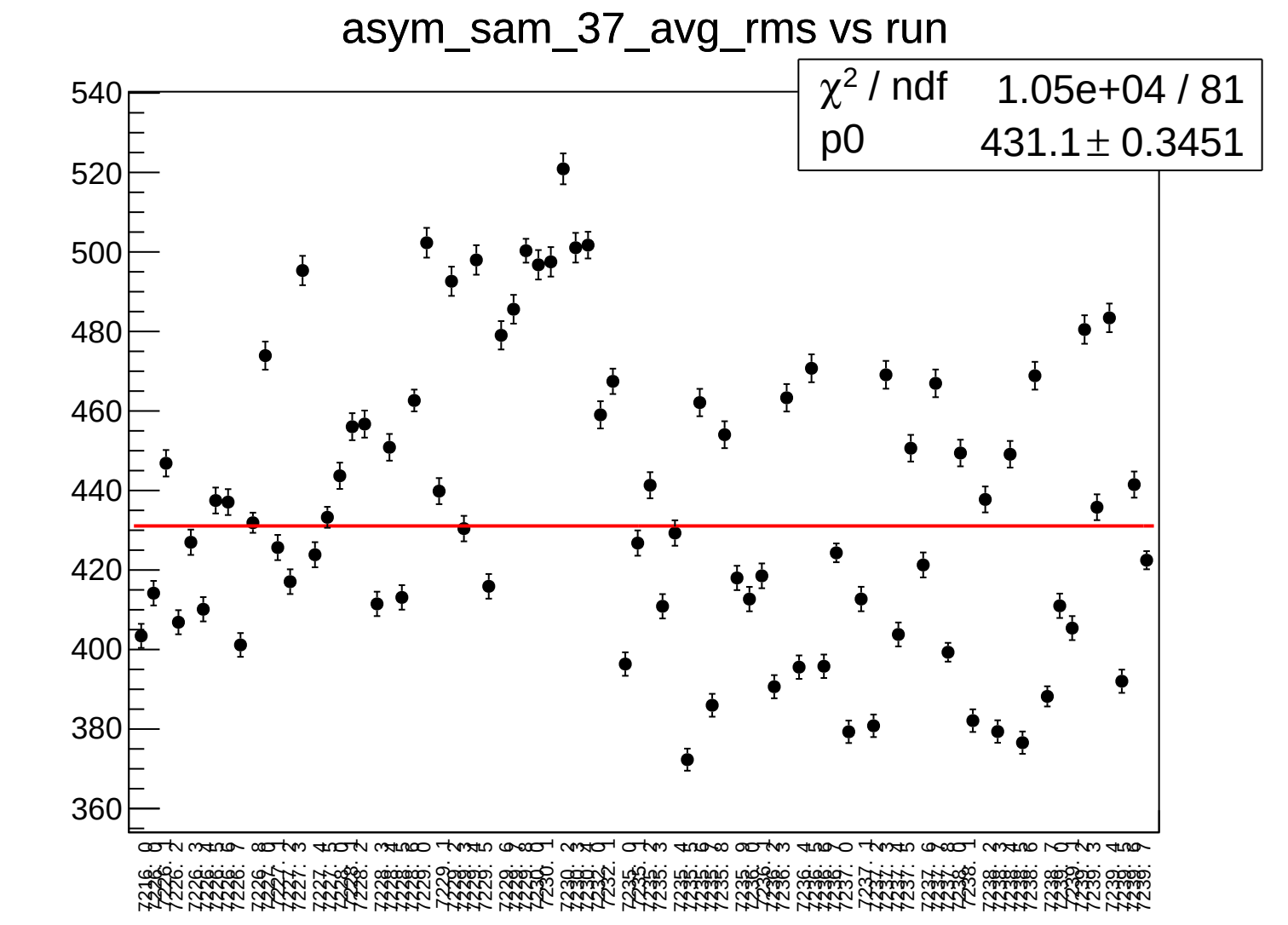

asym_sam_37_avg_correction_mean vs run
χ² / ndf 72.36 / 81
p0 −1107 ± 473.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 62.27
Std Dev 75.41
2
1
0
−1
−2
−3

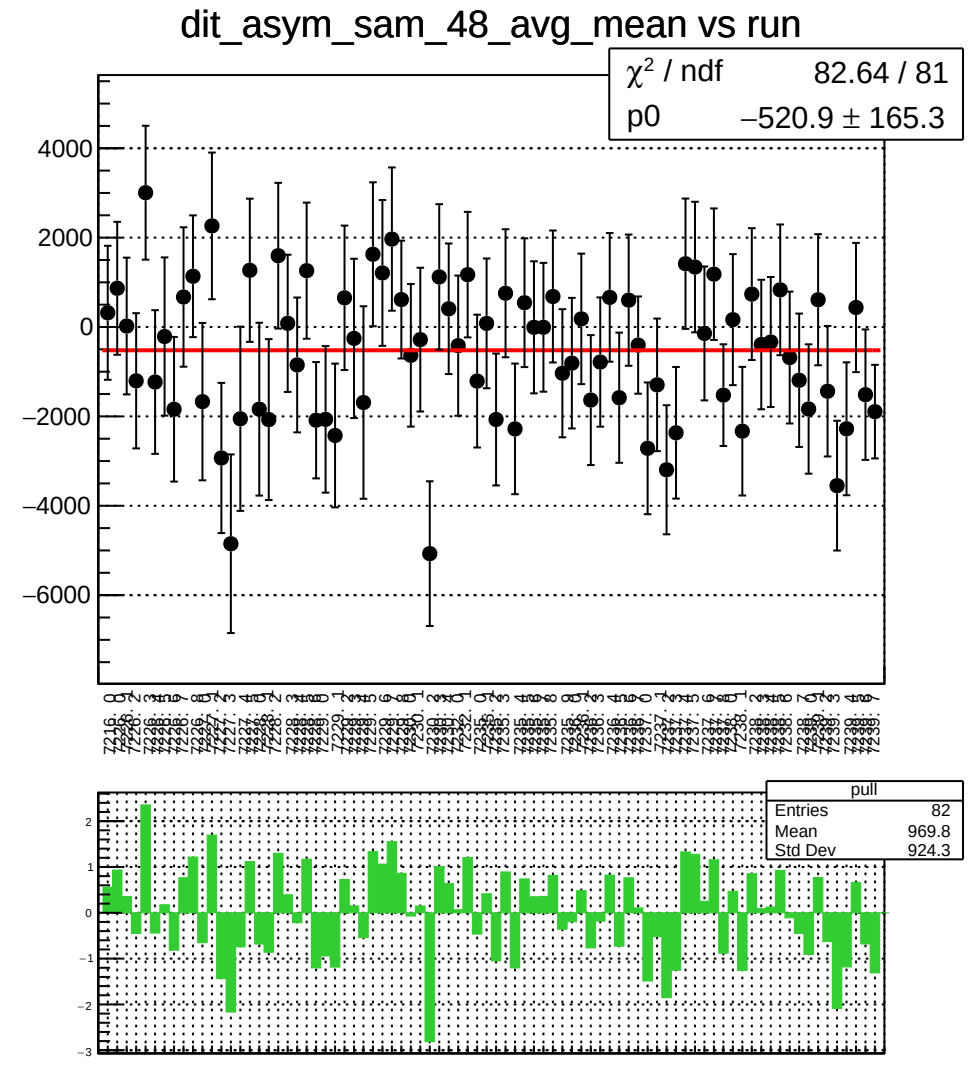

pull1D
Entries 82
Mean −0.005785
Std Dev 0.9394
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

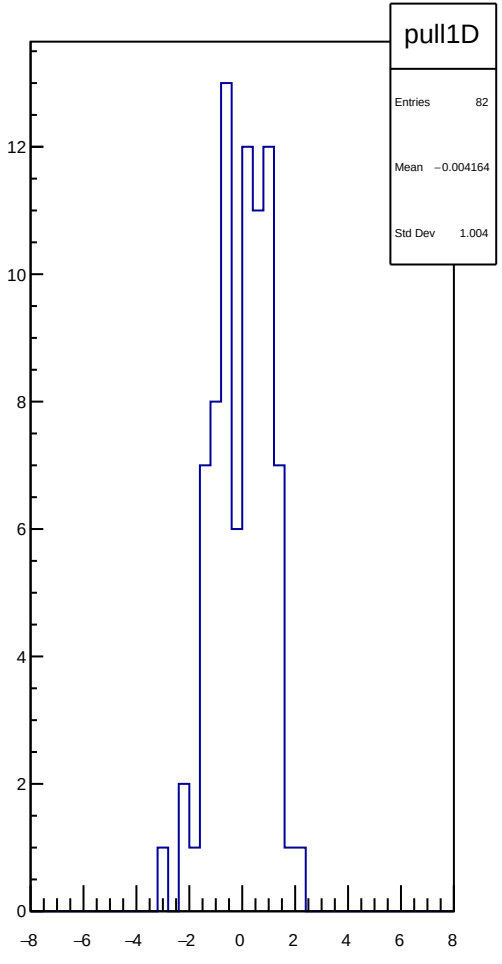

asym_sam_37_avg_correction_rms vs run
χ² / ndf 7470 / 81
p0 418.4 ± 0.3346
520
500
480
460
440
420
400
380
360

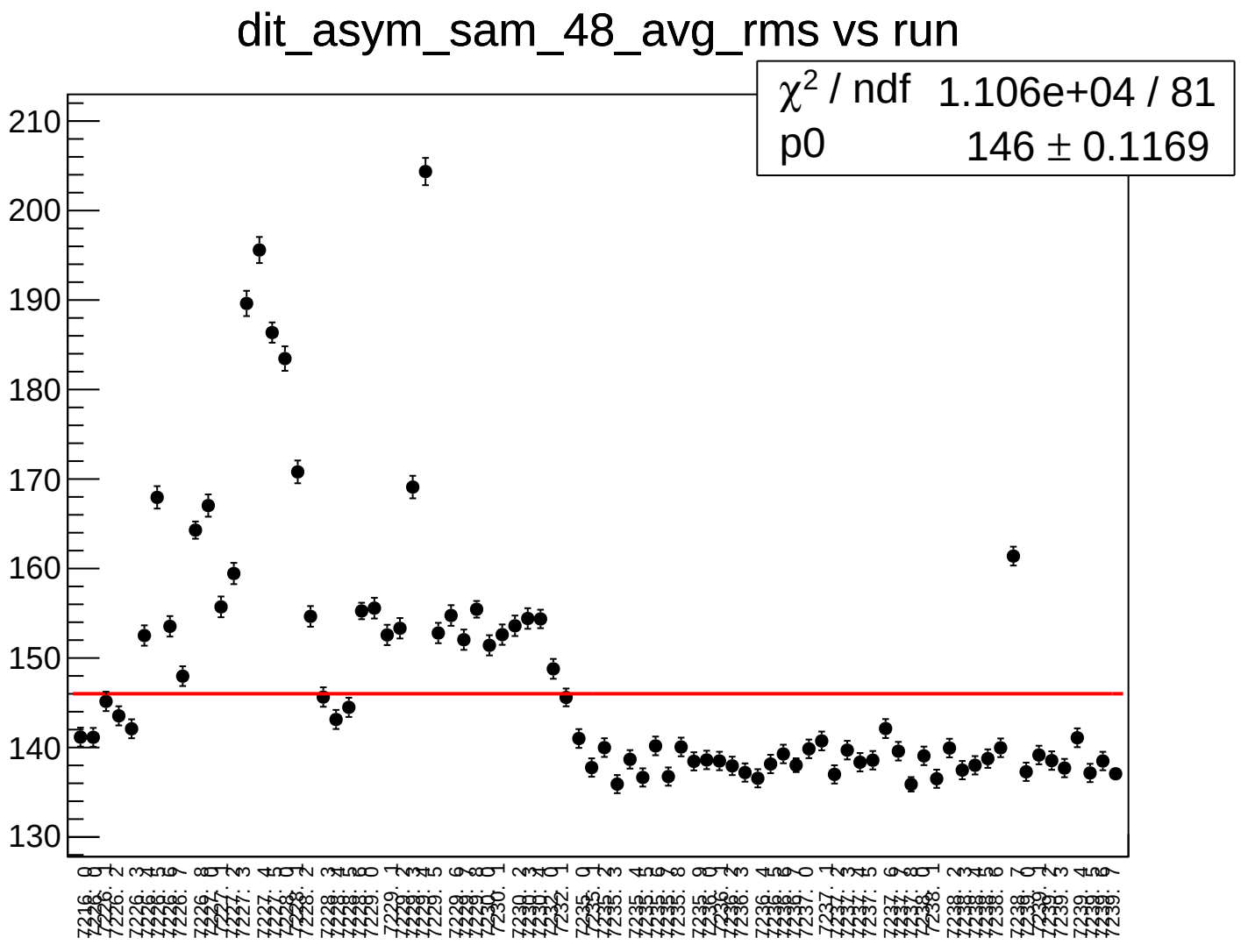

asym_sam_37_avg_mean vs run
χ² / ndf 73.55 / 81
p0 979.5 ± 488
pull
Entries 82
Mean −62.18
Std Dev 14.77

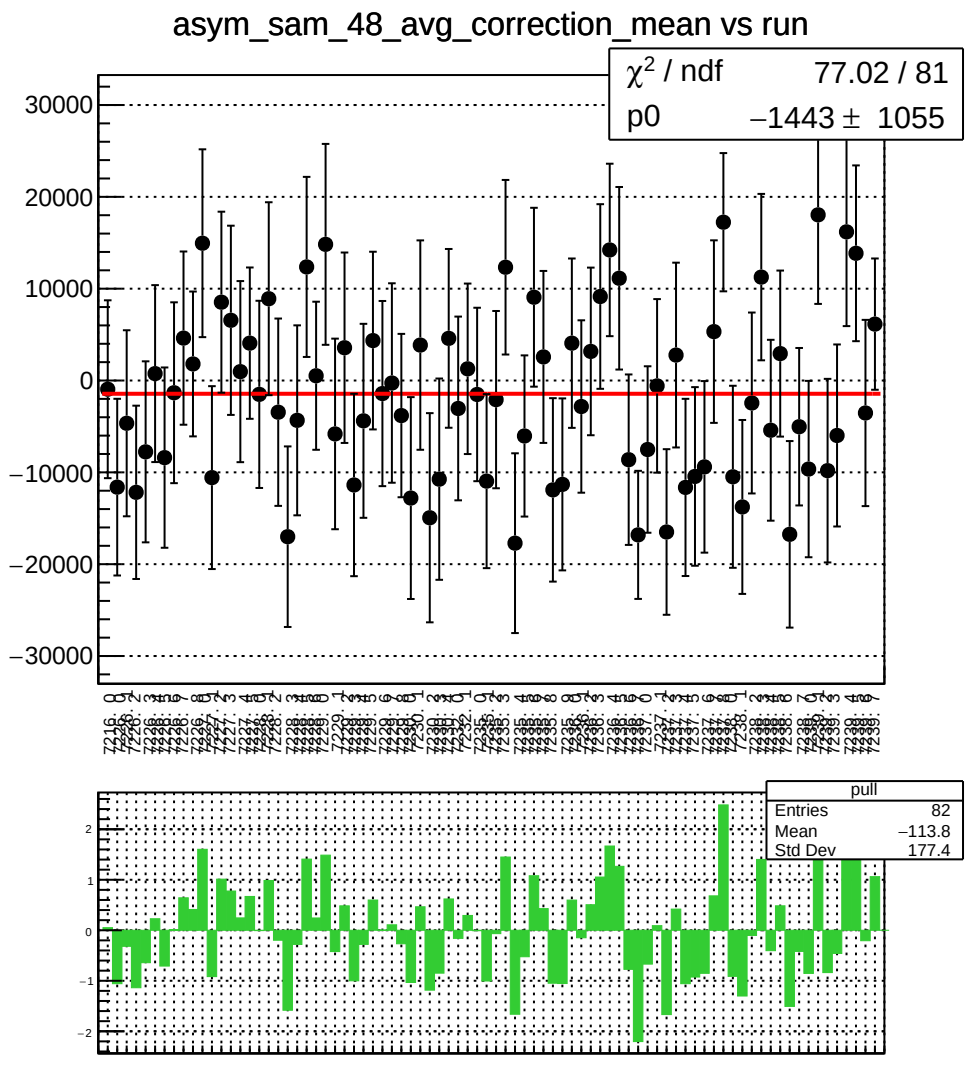

pull1D
Entries 82
Mean −0.002777
Std Dev 0.9471

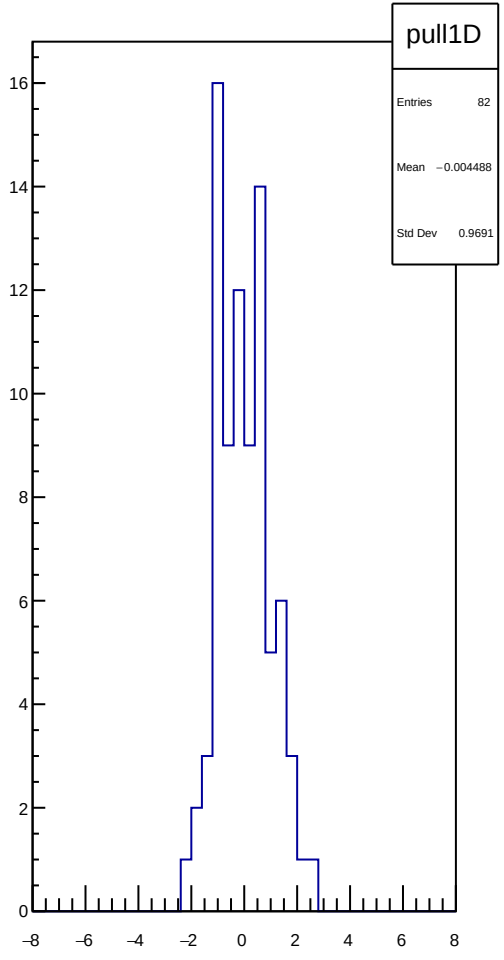

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.05e+04 / 81
p0 431.1 ± 0.3451
540
520
500
480
460
440
420
400
380
360

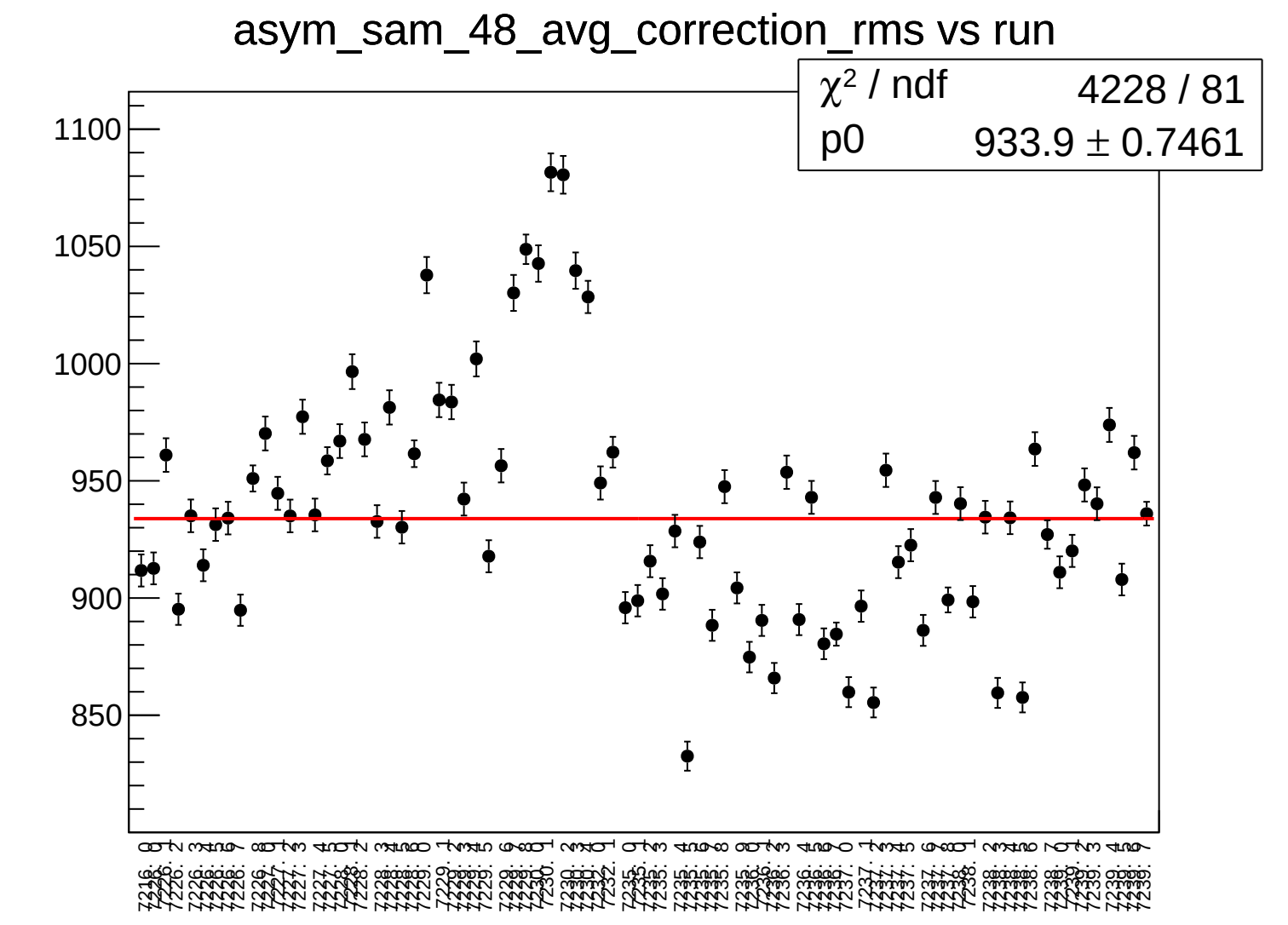

dit_asym_sam_48_avg_mean vs run
χ² / ndf 82.64 / 81
p0 −520.9 ± 165.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 969.8
Std Dev 924.3
2
1
0
−1
−2
−3

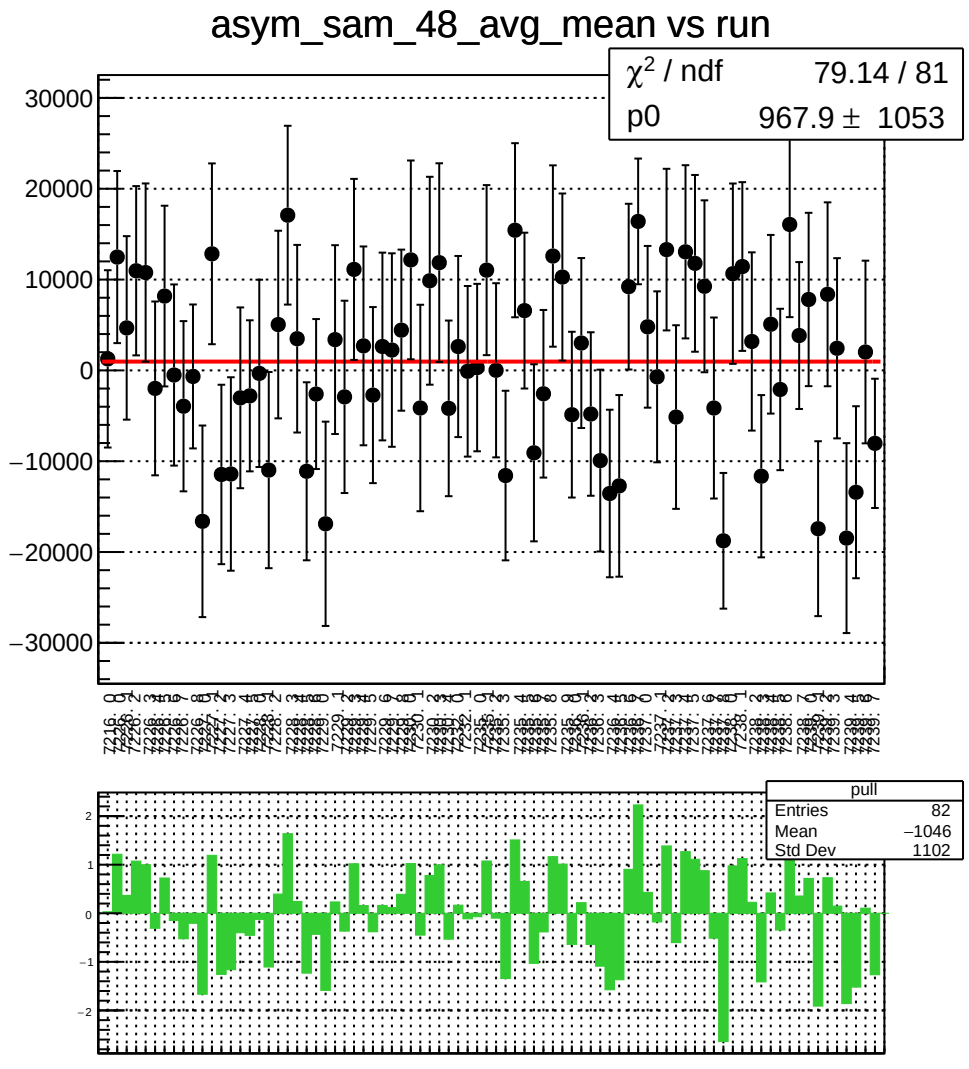

pull1D
Entries 82
Mean −0.004164
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

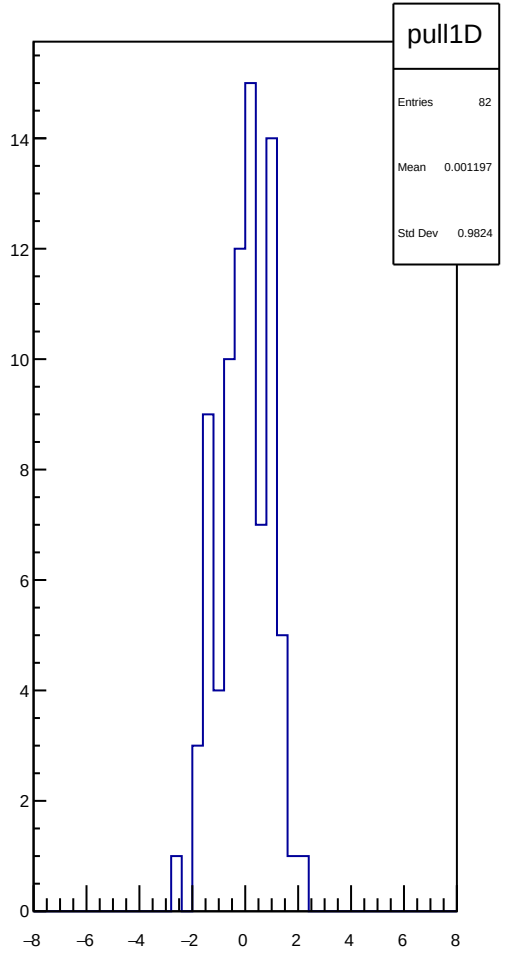

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.106e+04 / 81
p0 146 ± 0.1169
210
200
190
180
170
160
150
140
130

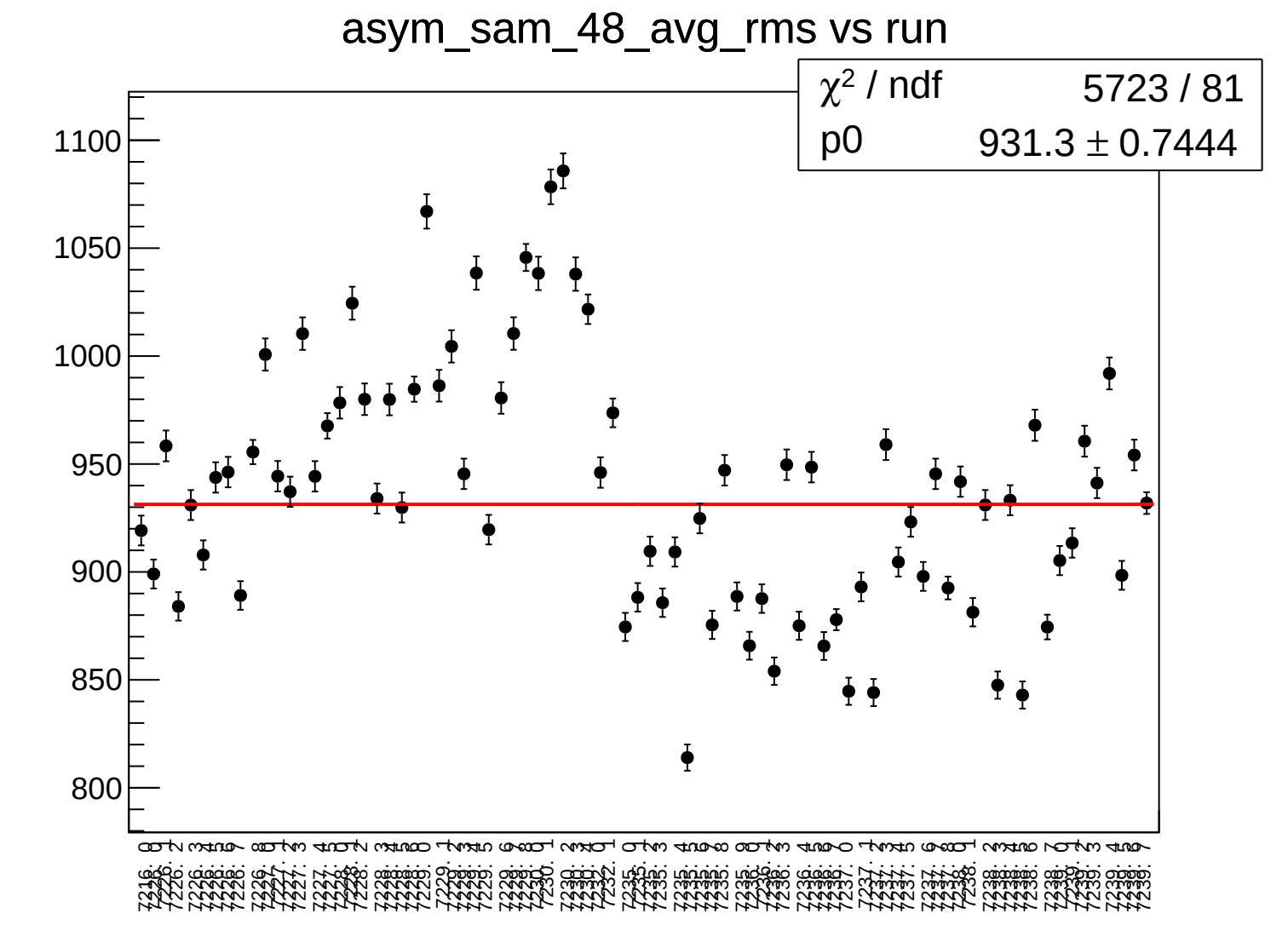

asym_sam_48_avg_correction_mean vs run
χ² / ndf 77.02 / 81
p0 −1443 ± 1055
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −113.8
Std Dev 177.4
2
1
0
−1
−2

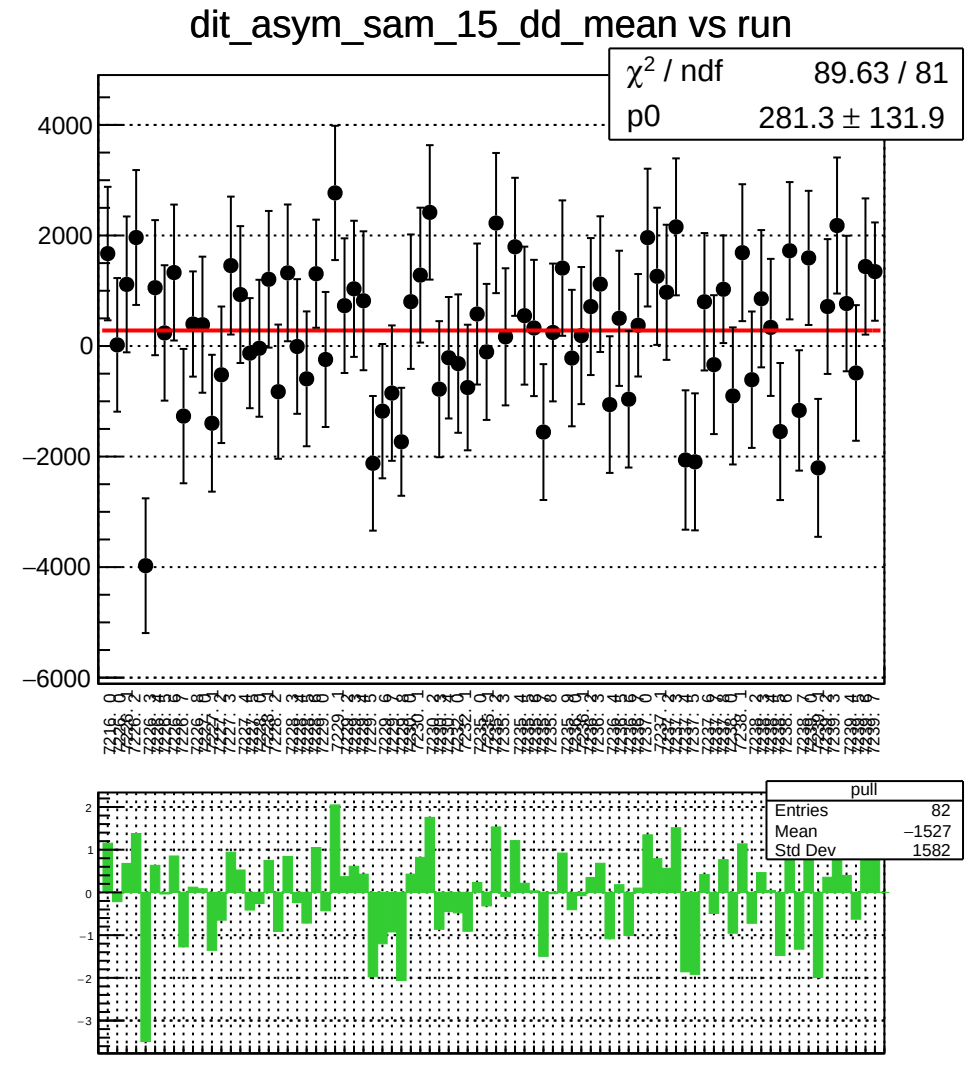

pull1D
Entries 82
Mean −0.004488
Std Dev 0.9691
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

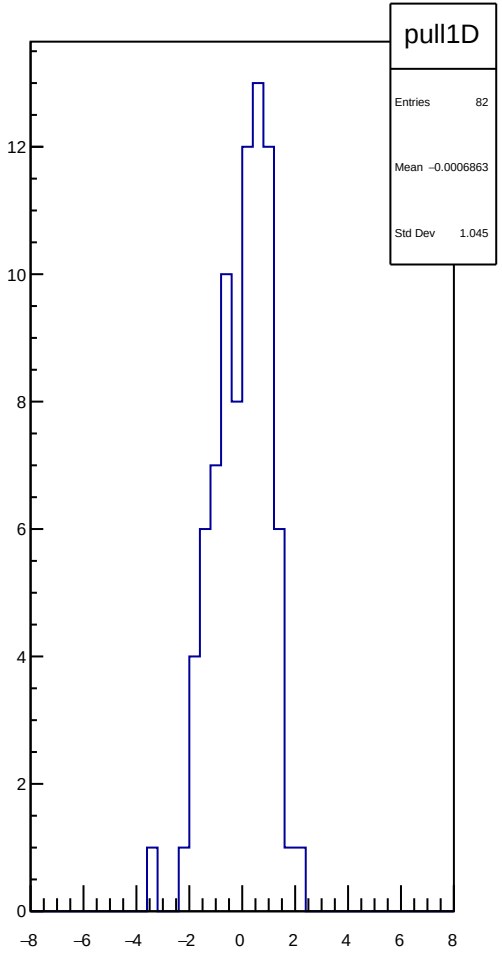

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4228 / 81
p0 933.9 ± 0.7461
1100
1050
1000
950
900
850

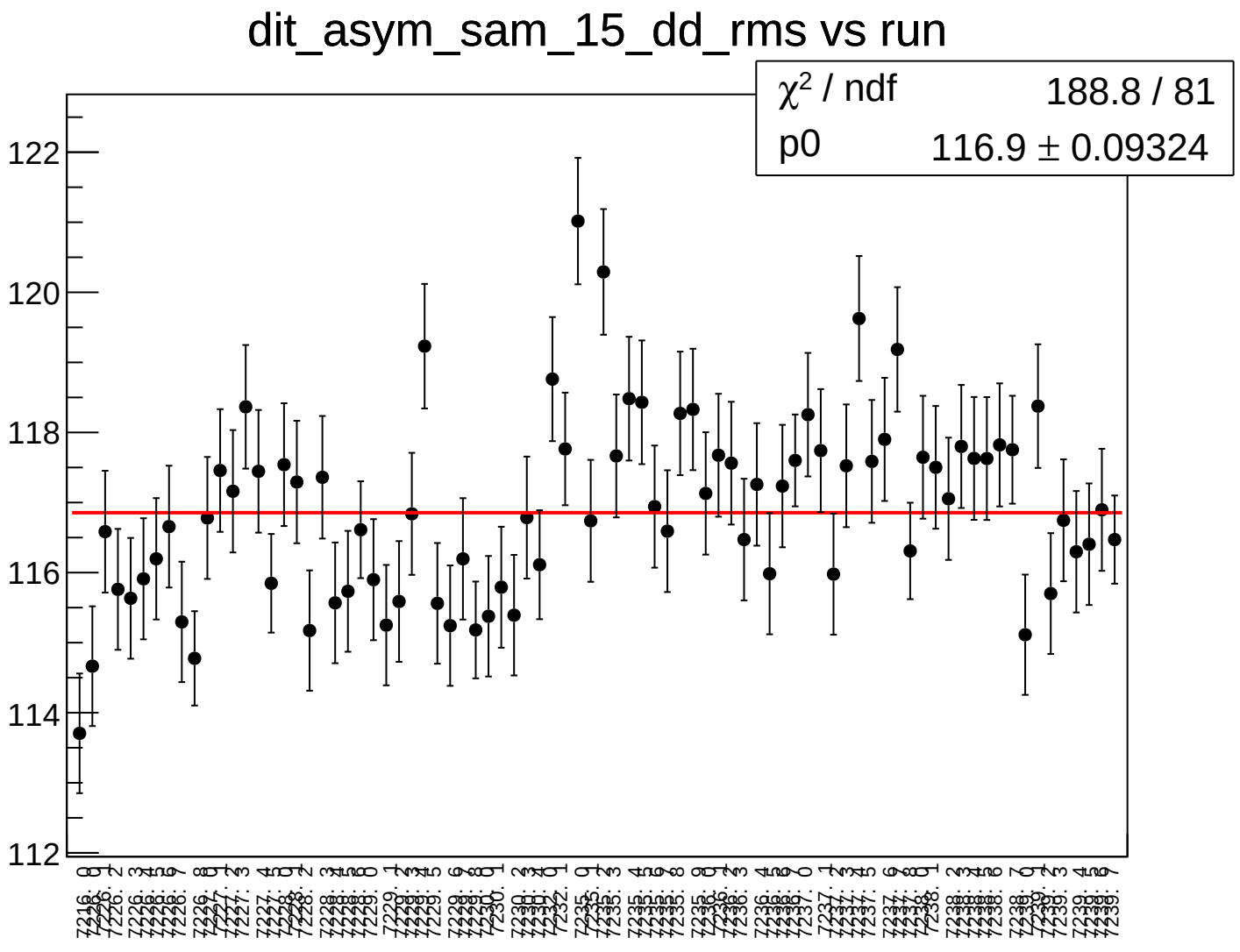

asym_sam_48_avg_mean vs run
χ² / ndf 79.14 / 81
p0 967.9 ± 1053
pull
Entries 82
Mean −1046
Std Dev 1102

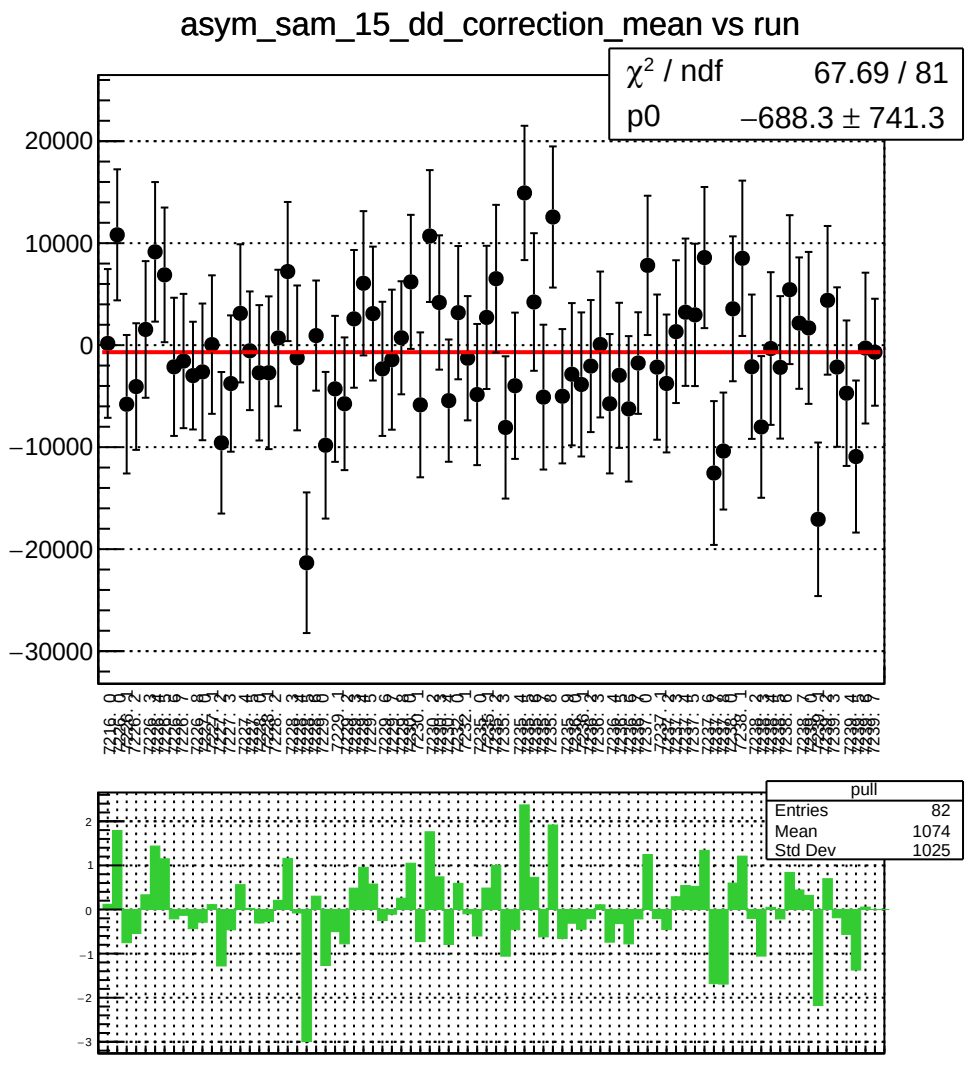

pull1D
Entries 82
Mean 0.001197
Std Dev 0.9824

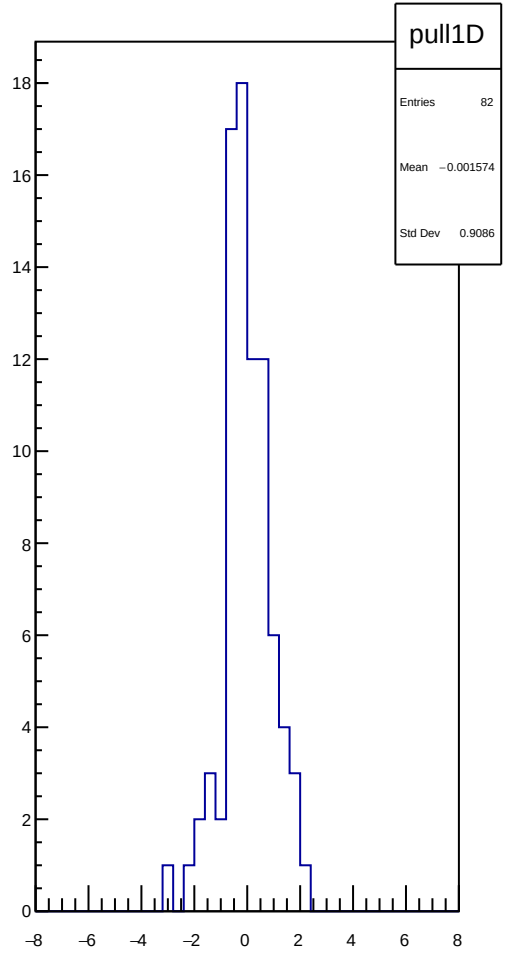

asym_sam_48_avg_rms vs run
χ^2 / ndf 5723 / 81
p0 931.3 ± 0.7444
1100
1050
1000
950
900
850
800

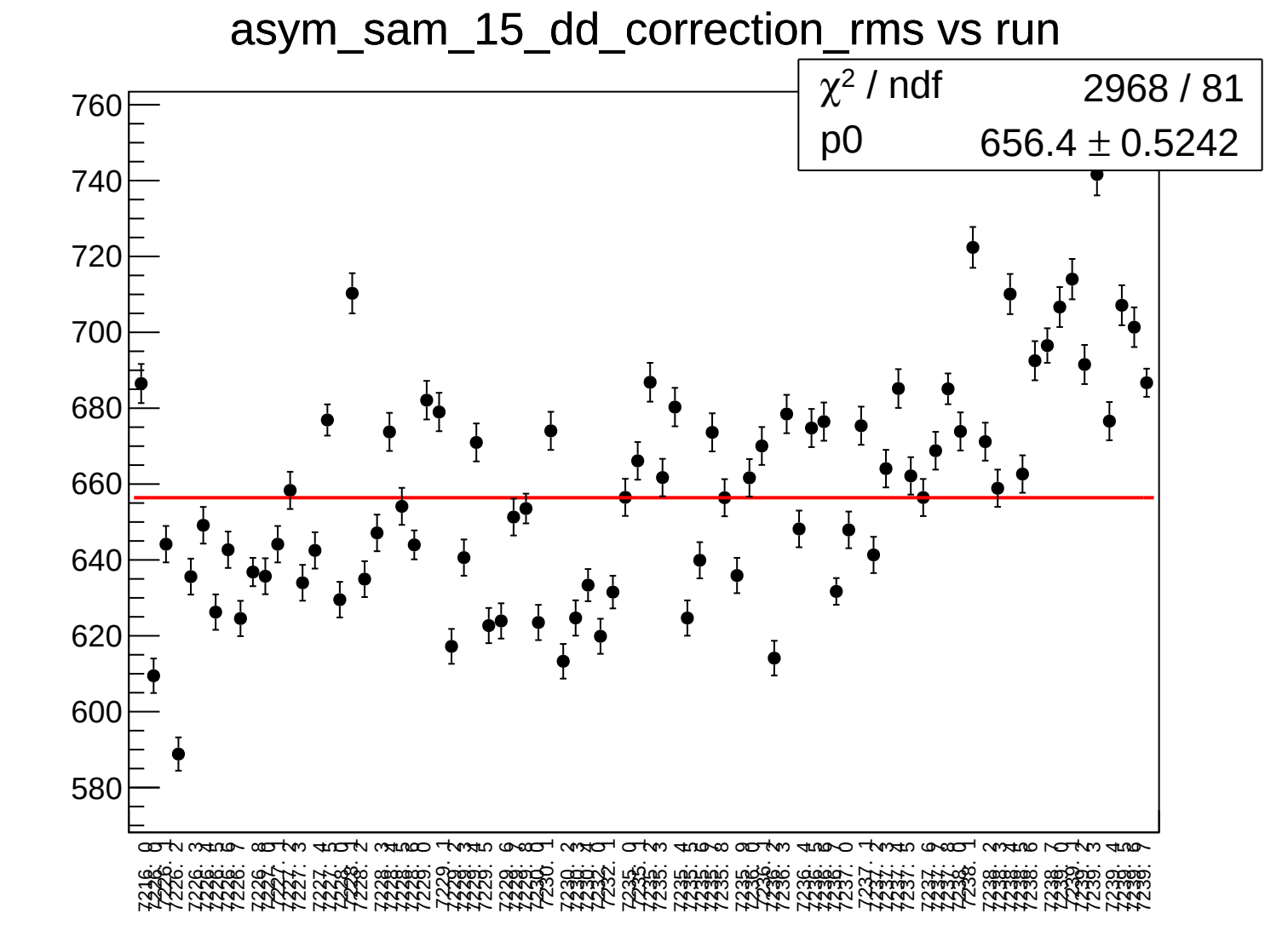

dit_asym_sam_15_dd_mean vs run
χ² / ndf 89.63 / 81
p0 281.3 ± 131.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −1527
Std Dev 1582
2
1
0
−1
−2
−3

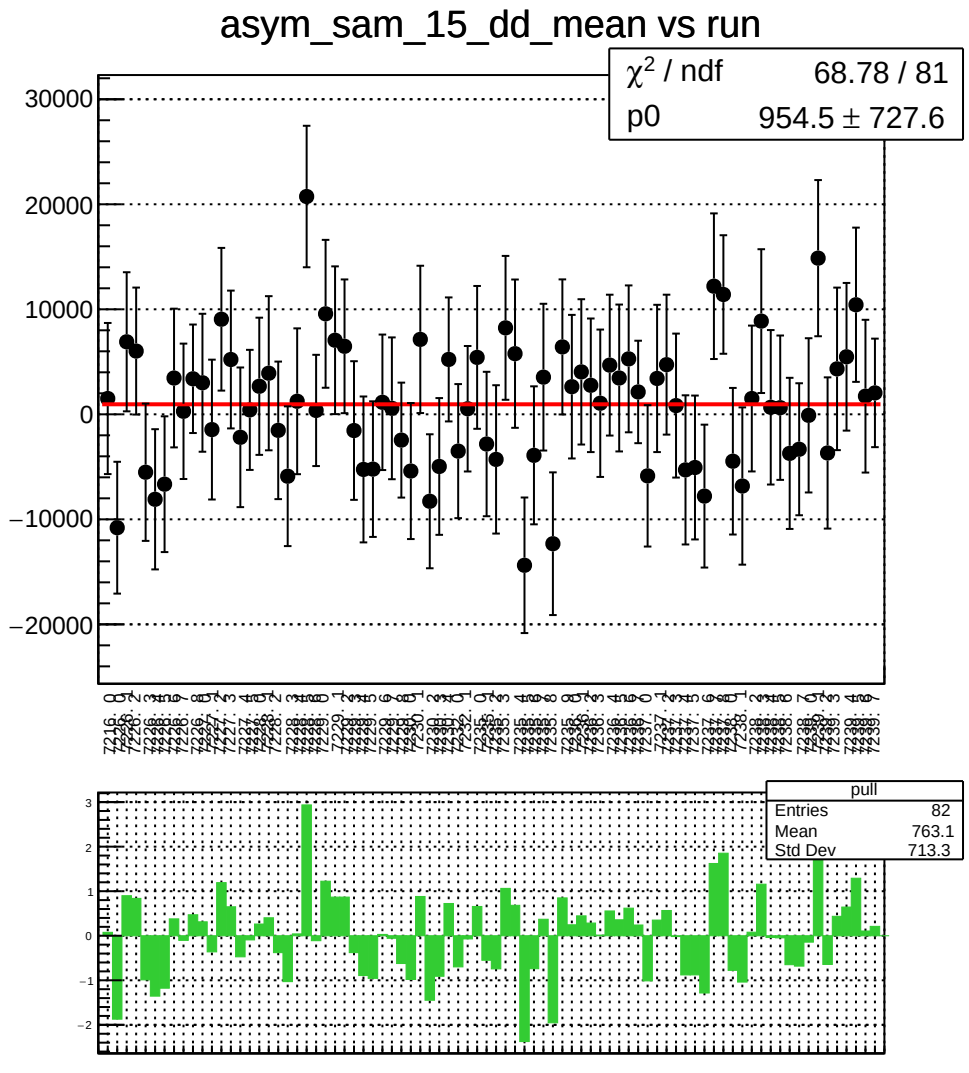

pull1D
Entries 82
Mean −0.0006863
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

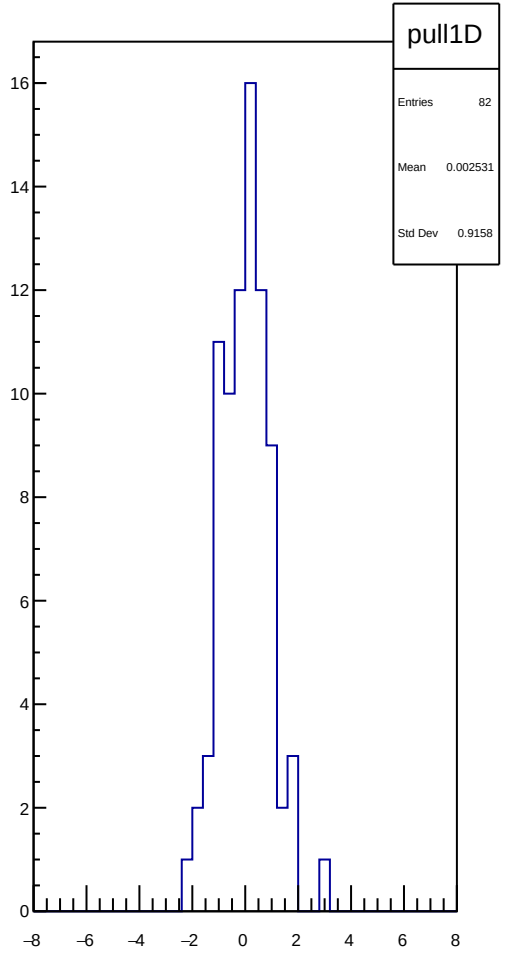

dit_asym_sam_15_dd_rms vs run
χ² / ndf 188.8 / 81
p0 116.9 ± 0.09324
122
120
118
116
114
112

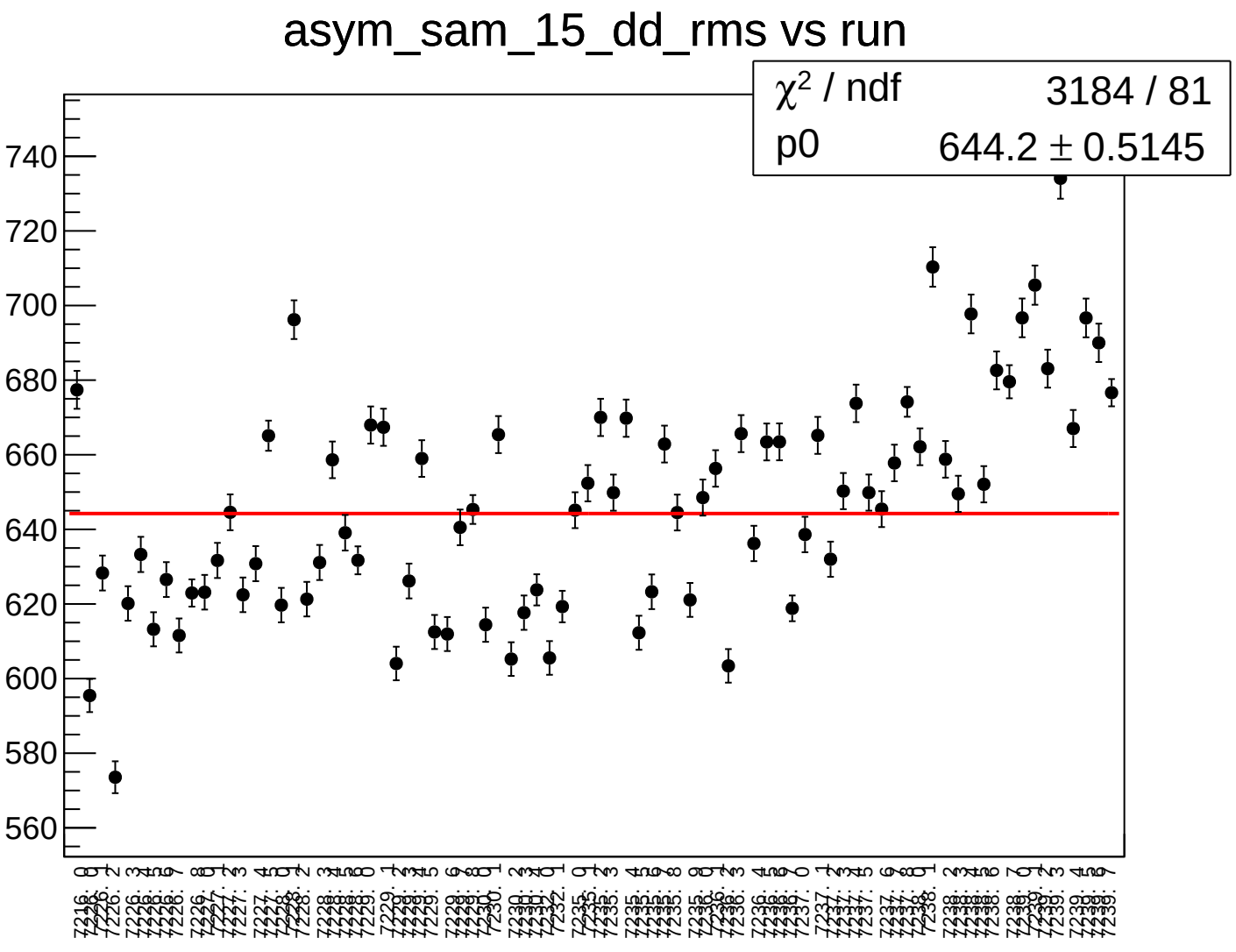

asym_sam_15_dd_correction_mean vs run
χ² / ndf 67.69 / 81
p0 −688.3 ± 741.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 1074
Std Dev 1025
2
1
0
−1
−2
−3

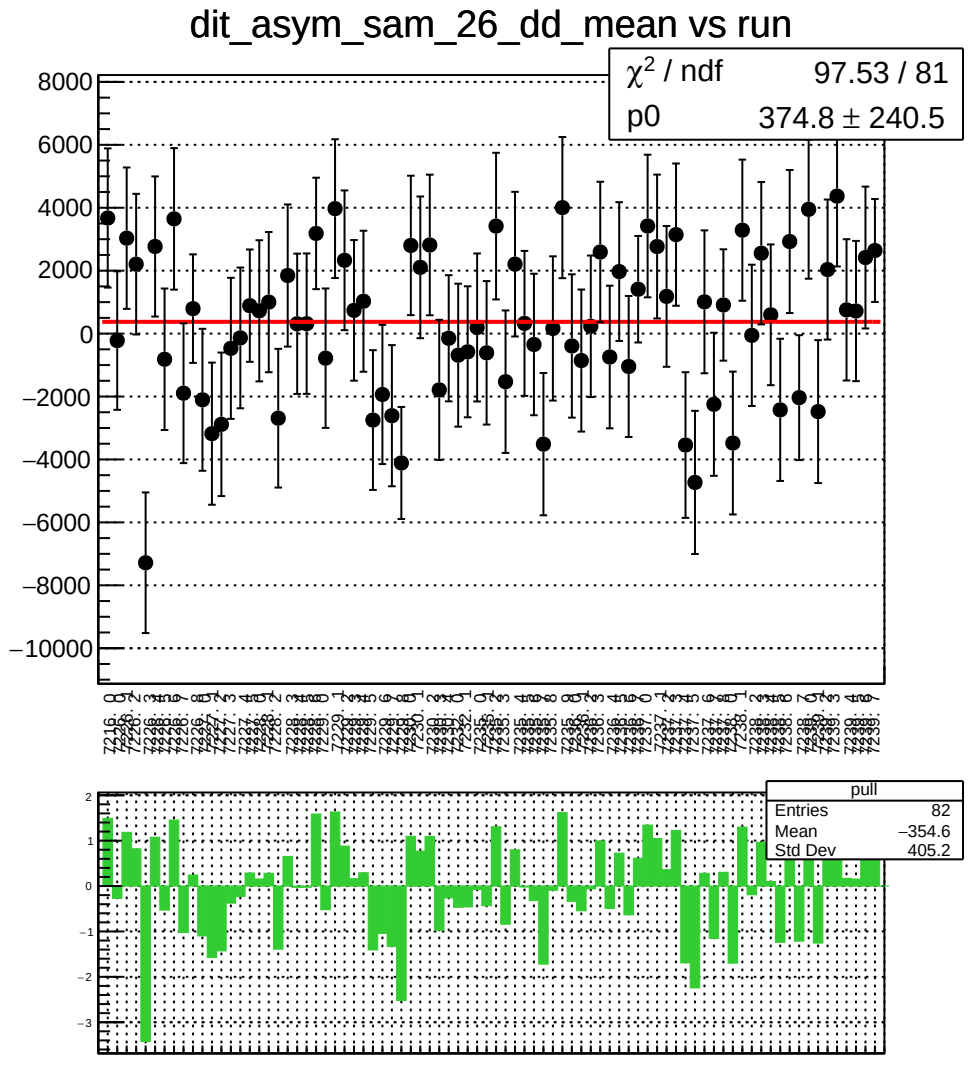

pull1D
Entries 82
Mean −0.001574
Std Dev 0.9086
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

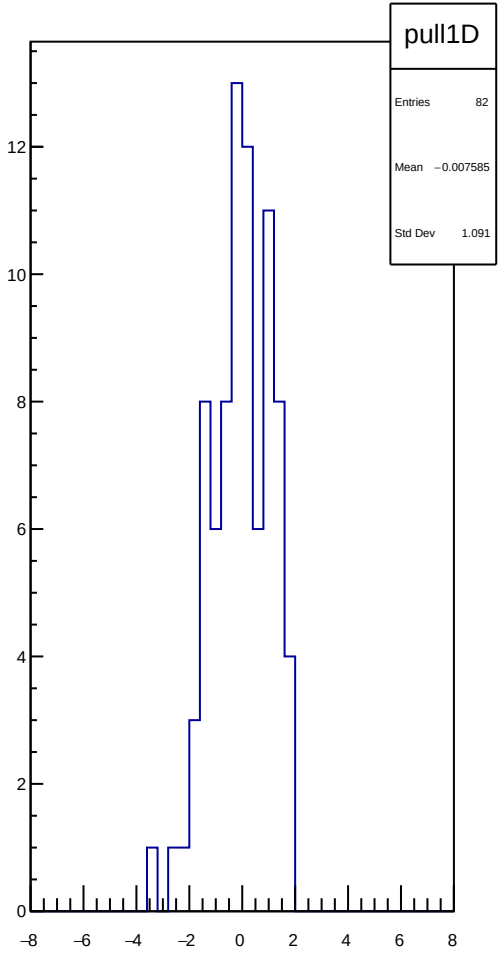

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2968 / 81
p0 656.4 ± 0.5242
760
740
720
700
680
660
640
620
600
580

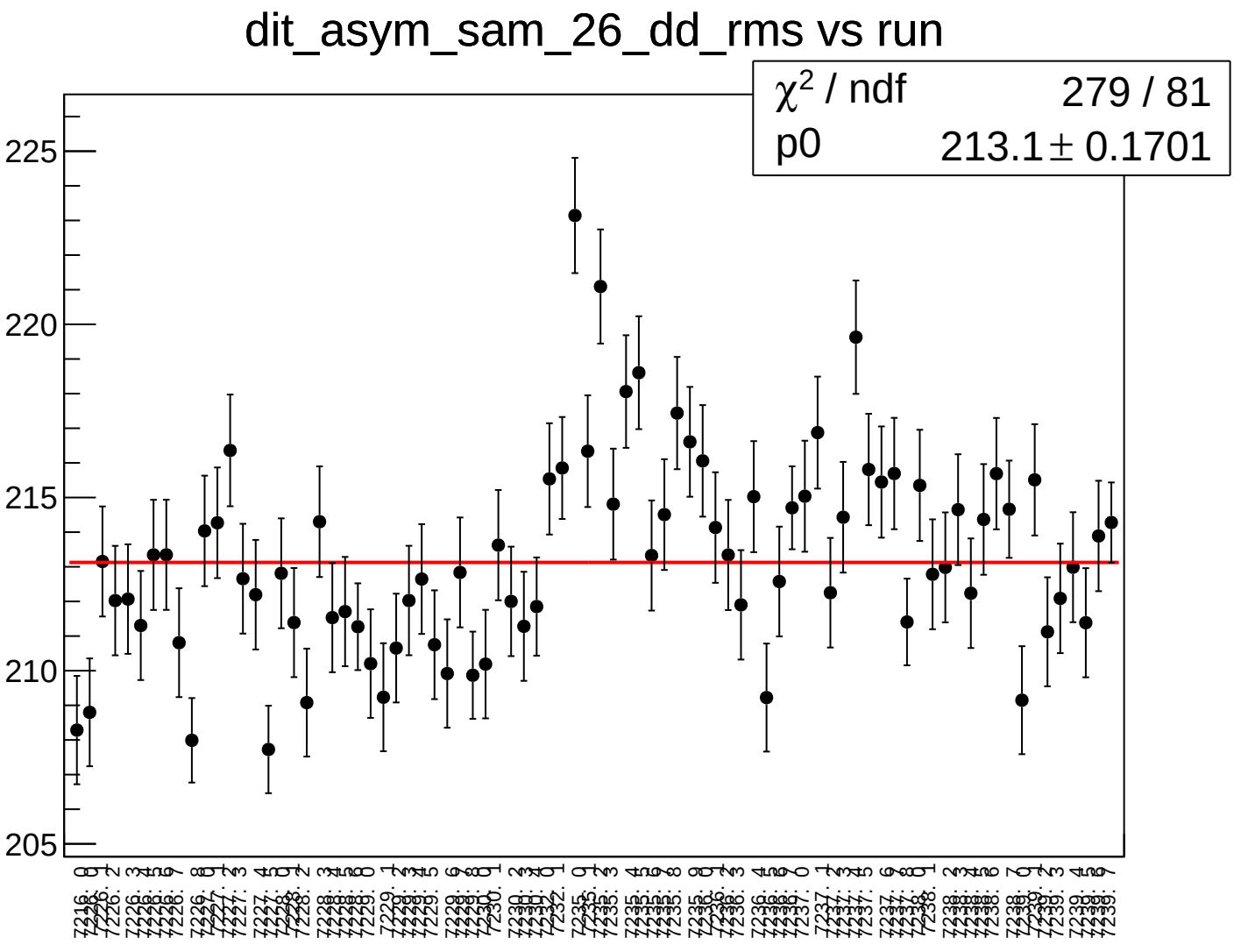

asym_sam_15_dd_mean vs run
χ² / ndf 68.78 / 81
p0 954.5 ± 727.6
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 763.1
Std Dev 713.3
3
2
1
0
−1
−2

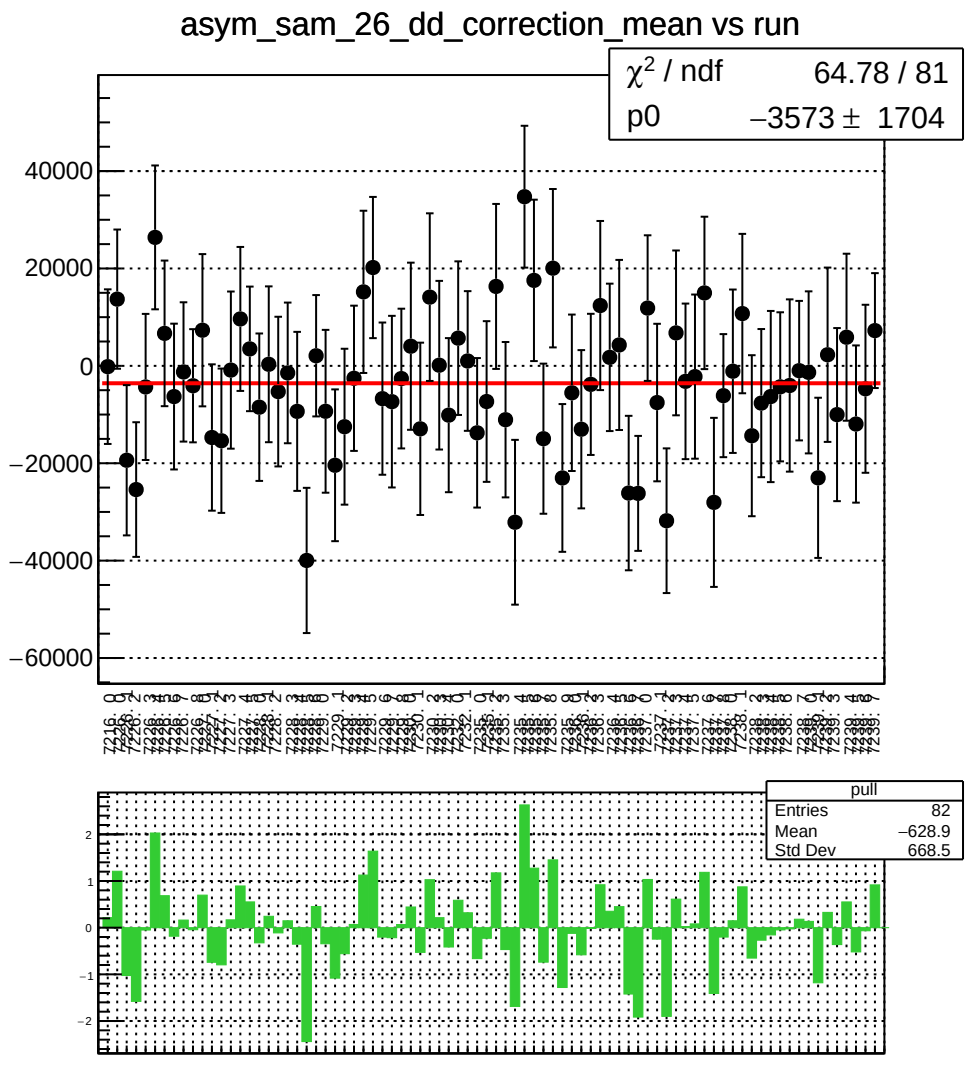

pull1D
Entries 82
Mean 0.002531
Std Dev 0.9158
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

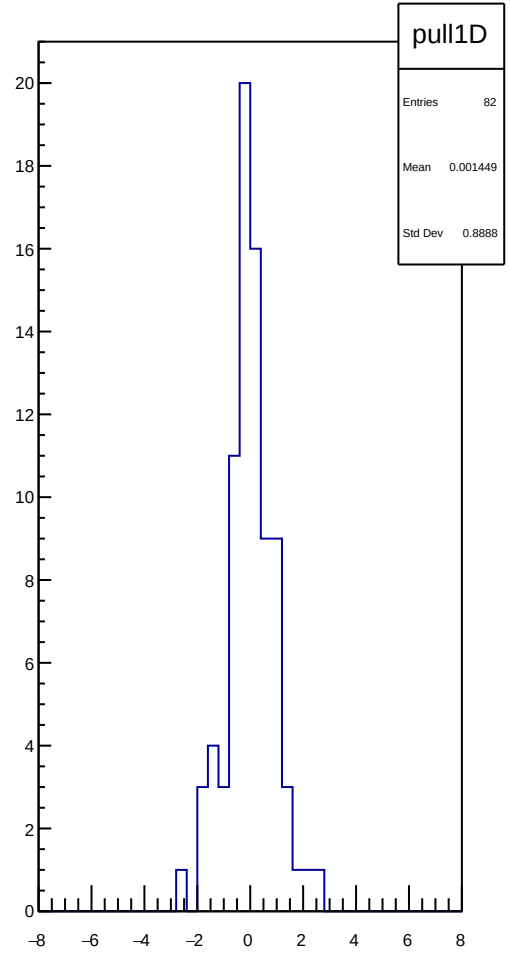

asym_sam_15_dd_rms vs run
χ² / ndf 3184 / 81
p0 644.2 ± 0.5145
740
720
700
680
660
640
620
600
580
560

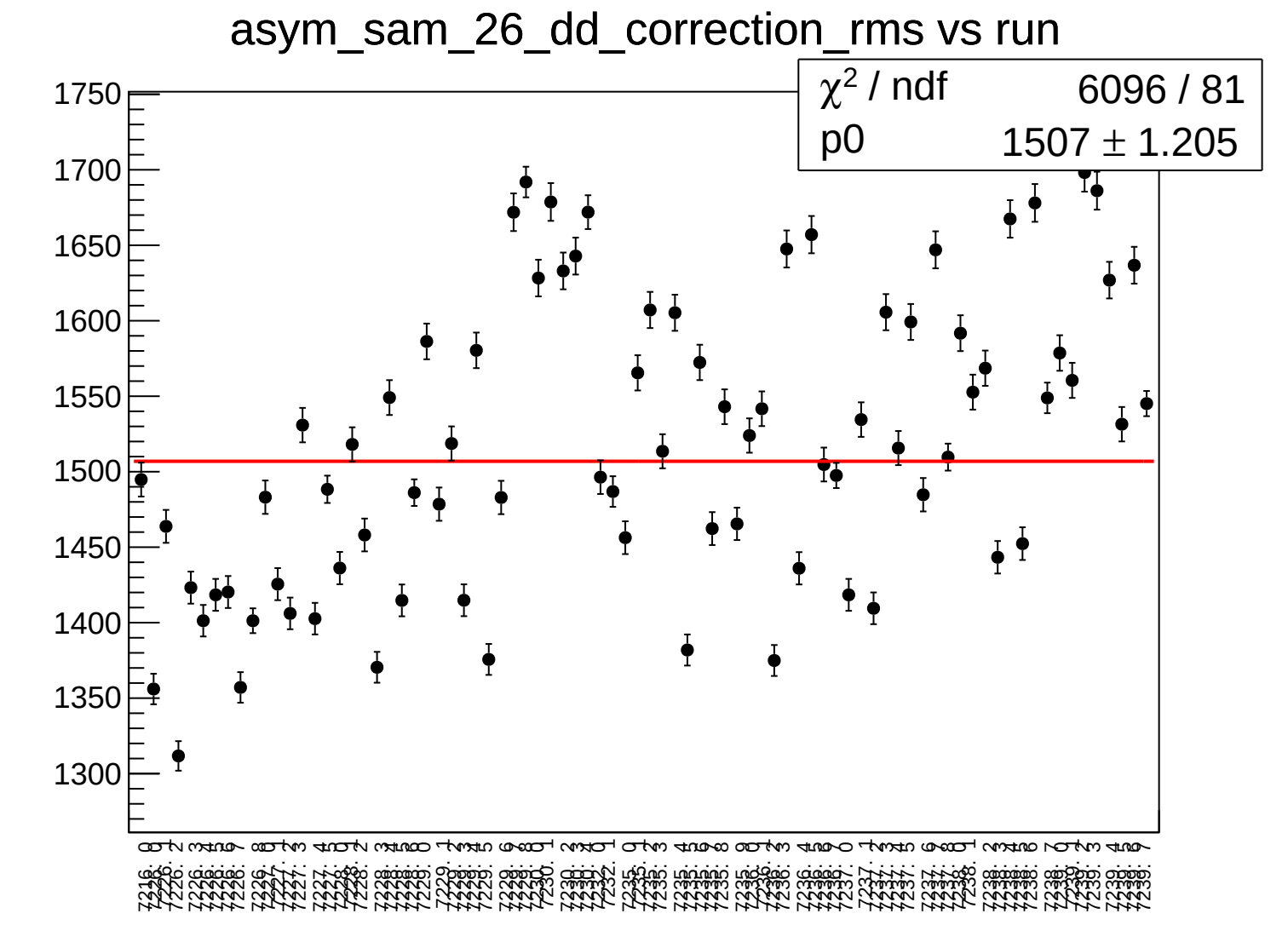

dit_asym_sam_26_dd_mean vs run
χ² / ndf 97.53 / 81
p0 374.8 ± 240.5
pull
Entries 82
Mean −354.6
Std Dev 405.2

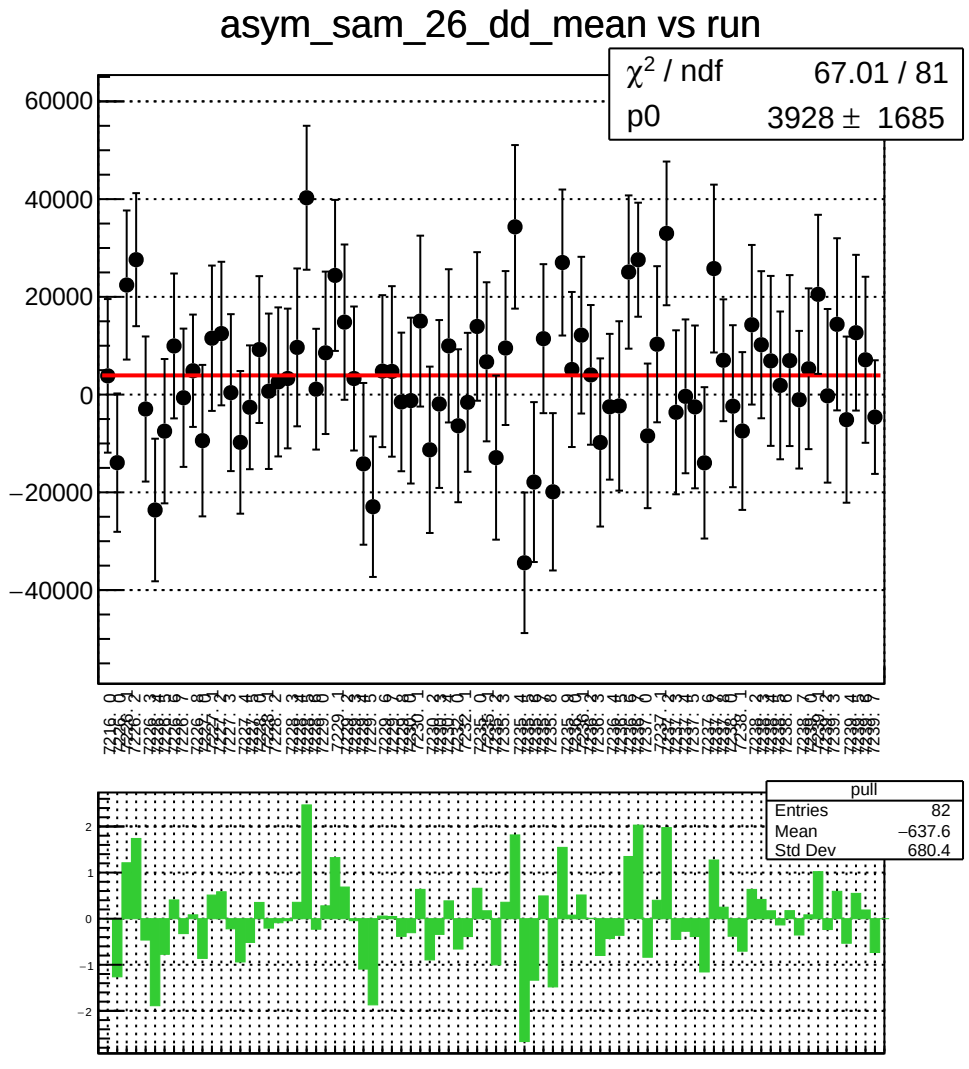

pull1D
Entries 82
Mean −0.007585
Std Dev 1.091

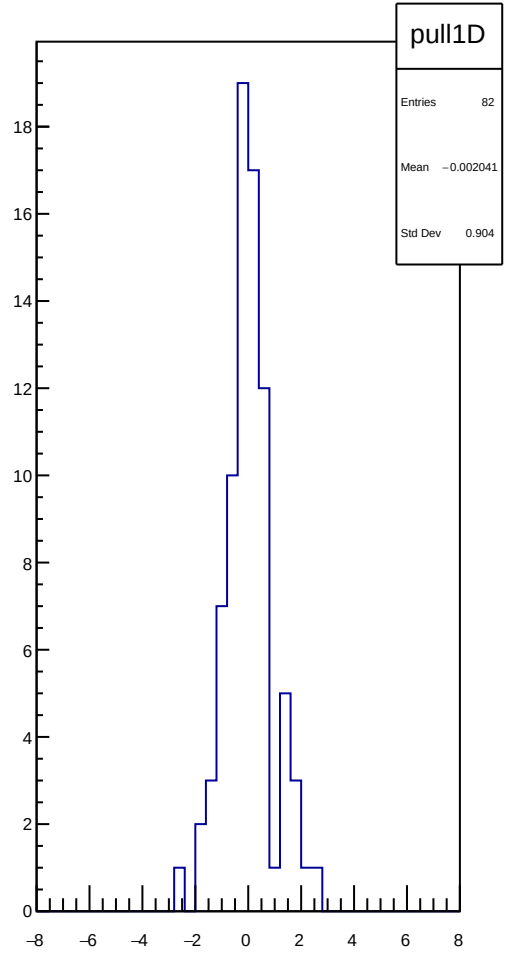

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 279 / 81
p0 213.1 ± 0.1701
225
220
215
210
205

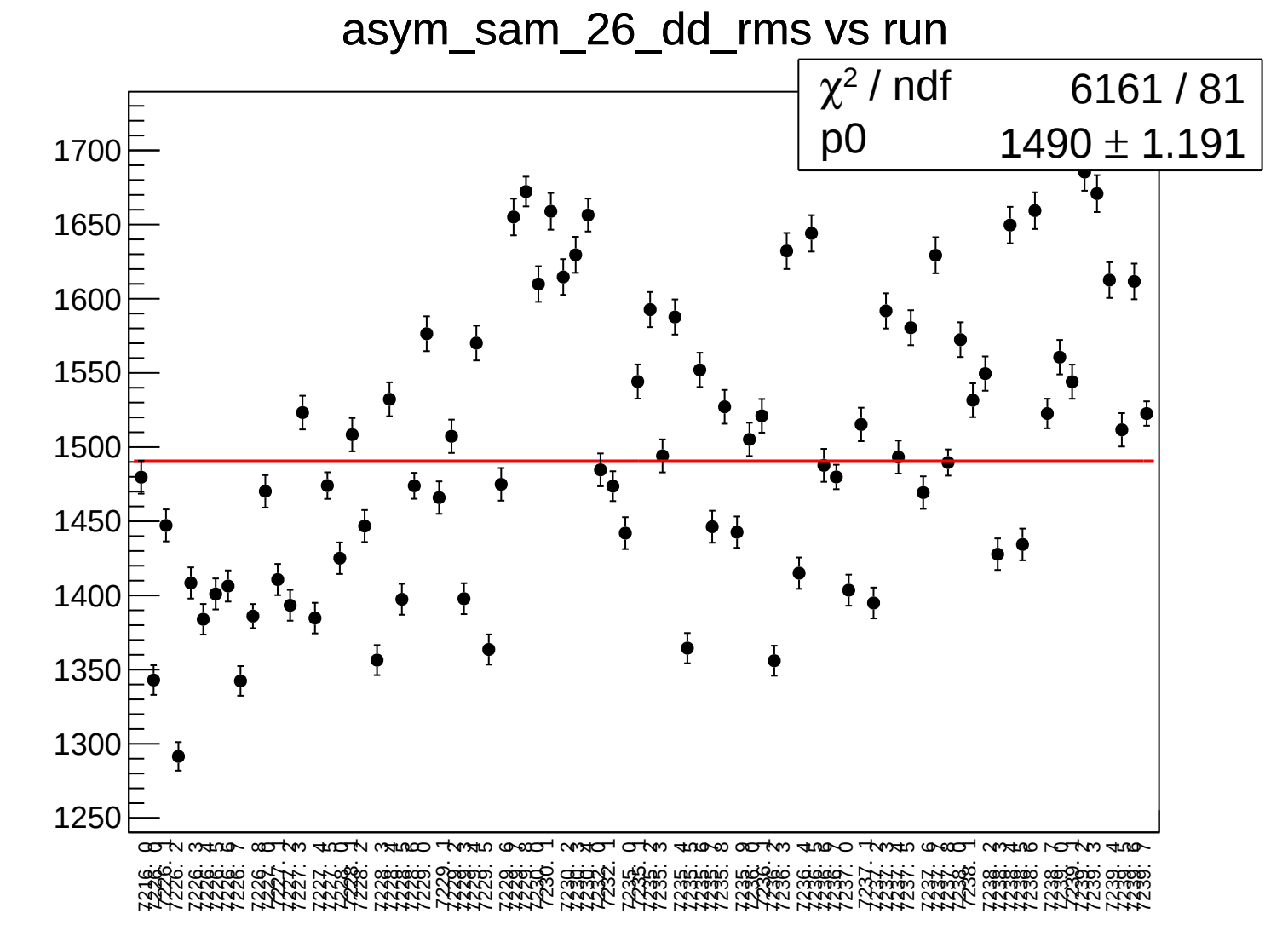

asym_sam_26_dd_correction_mean vs run
χ² / ndf 64.78 / 81
p0 −3573 ± 1704
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −628.9
Std Dev 668.5
2
1
0
−1
−2

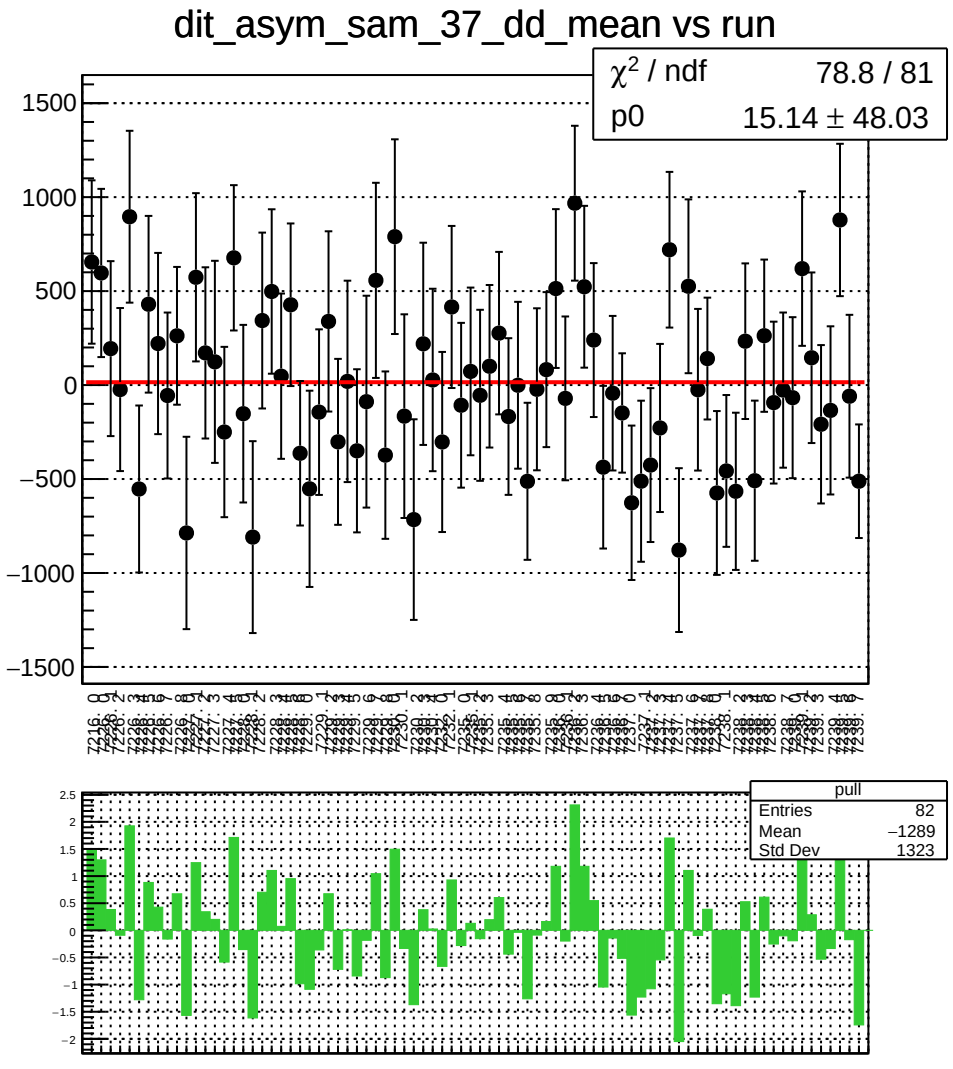

pull1D
Entries 82
Mean 0.001449
Std Dev 0.8888
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

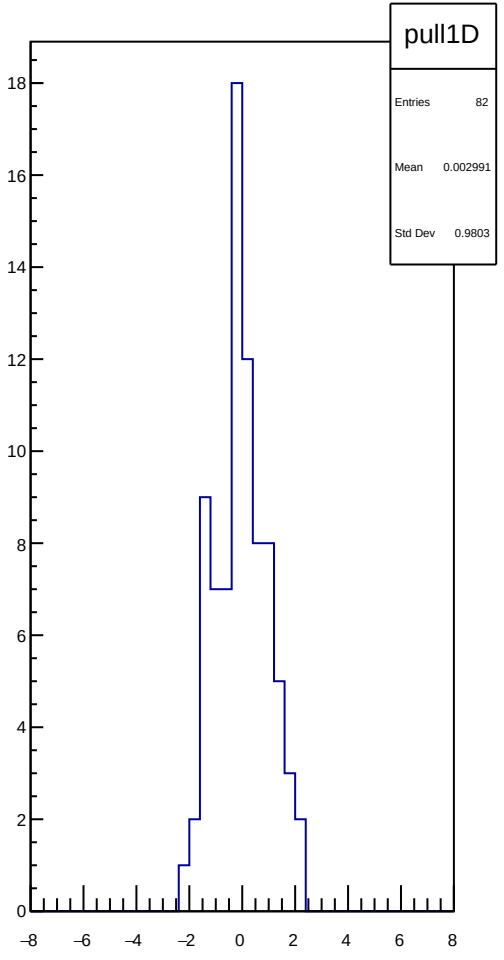

asym_sam_26_dd_correction_rms vs run
χ² / ndf 6096 / 81
p0 1507 ± 1.205
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300

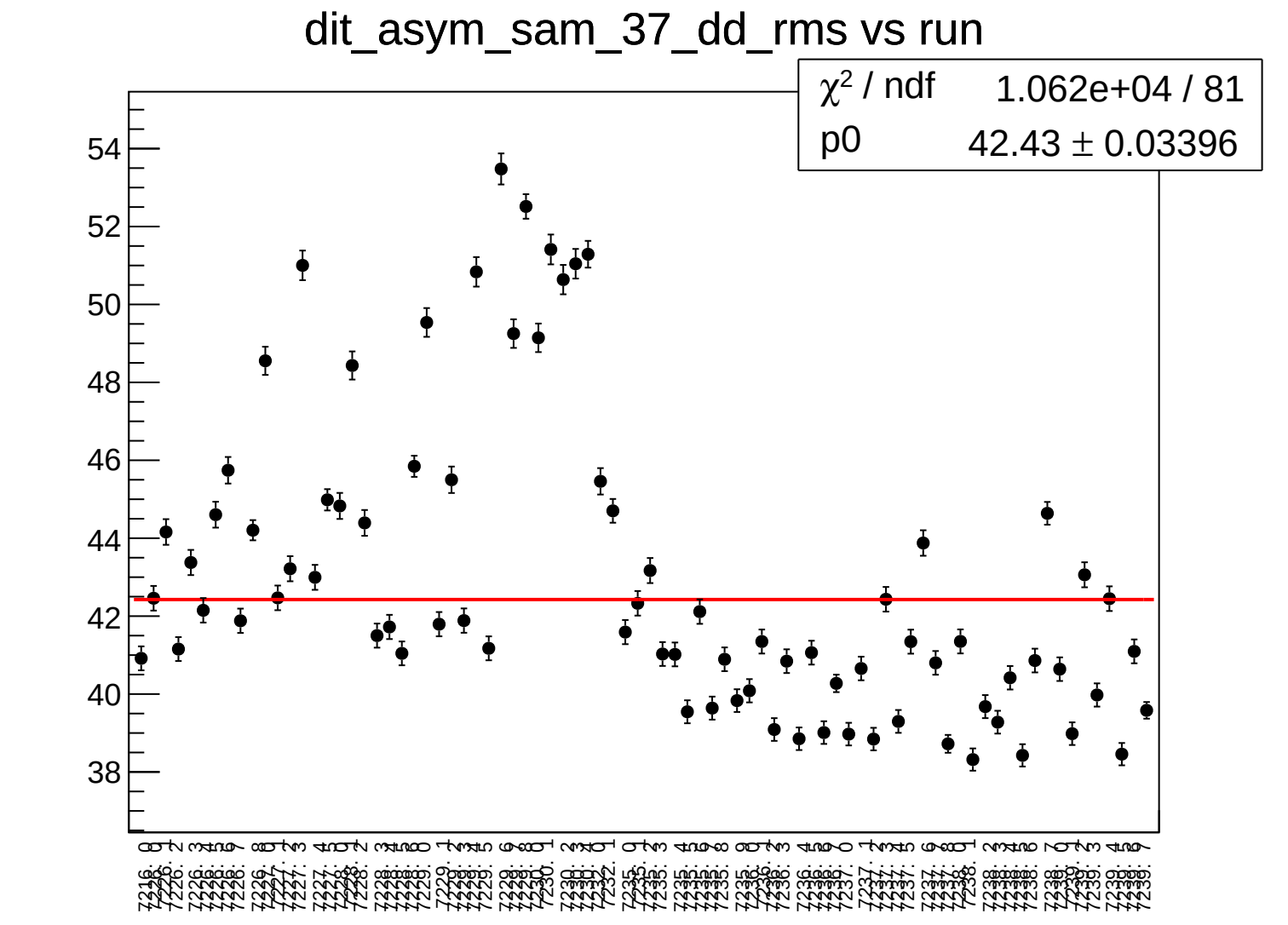

asym_sam_26_dd_mean vs run
χ² / ndf 67.01 / 81
p0 3928 ± 1685
pull
Entries 82
Mean −637.6
Std Dev 680.4

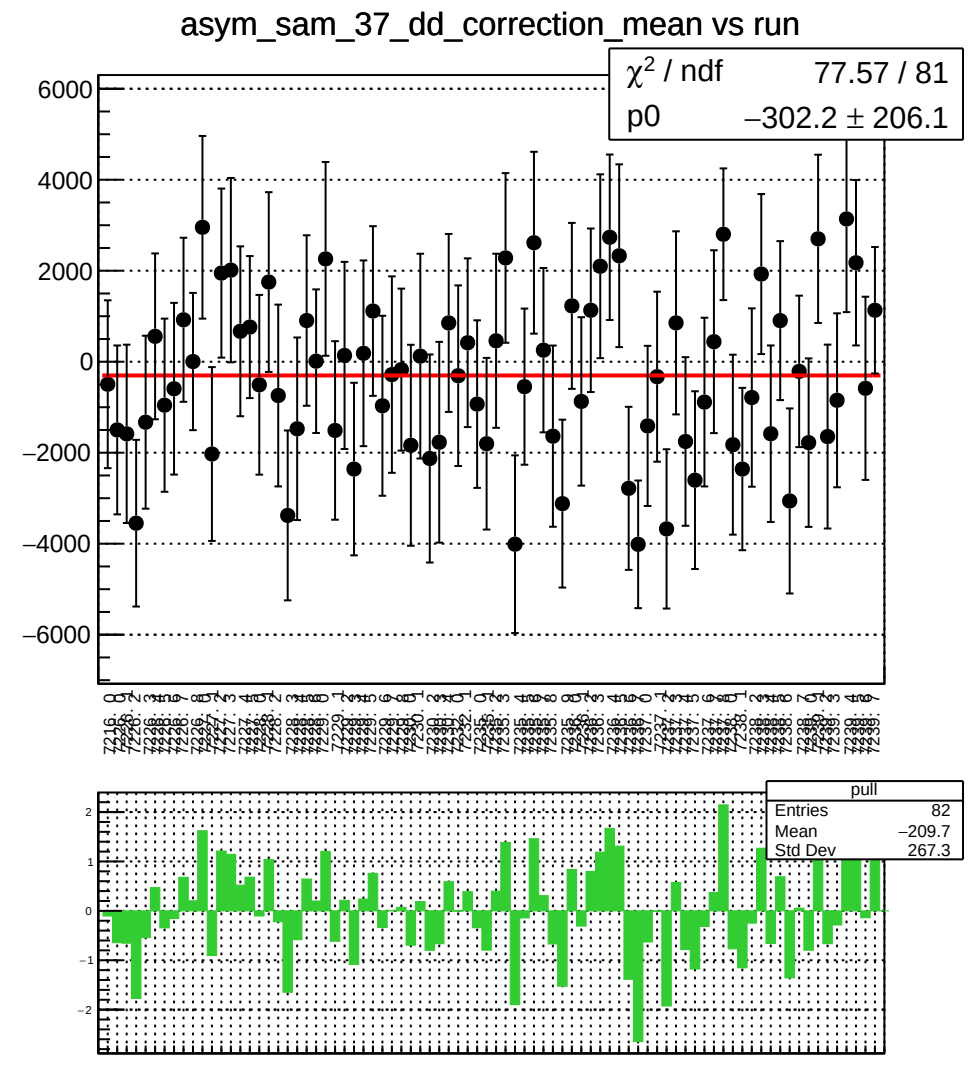

pull1D
Entries 82
Mean −0.002041
Std Dev 0.904

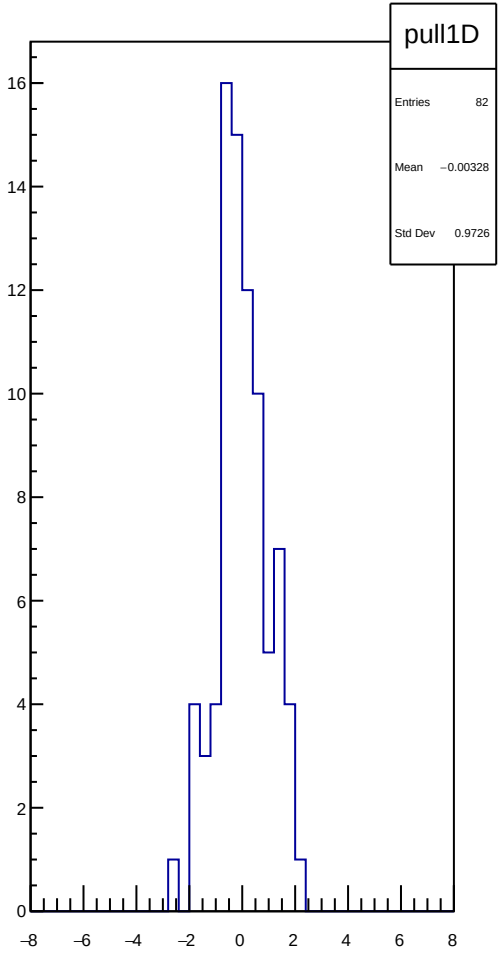

asym_sam_26_dd_rms vs run
χ² / ndf 6161 / 81
p0 1490 ± 1.191
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250

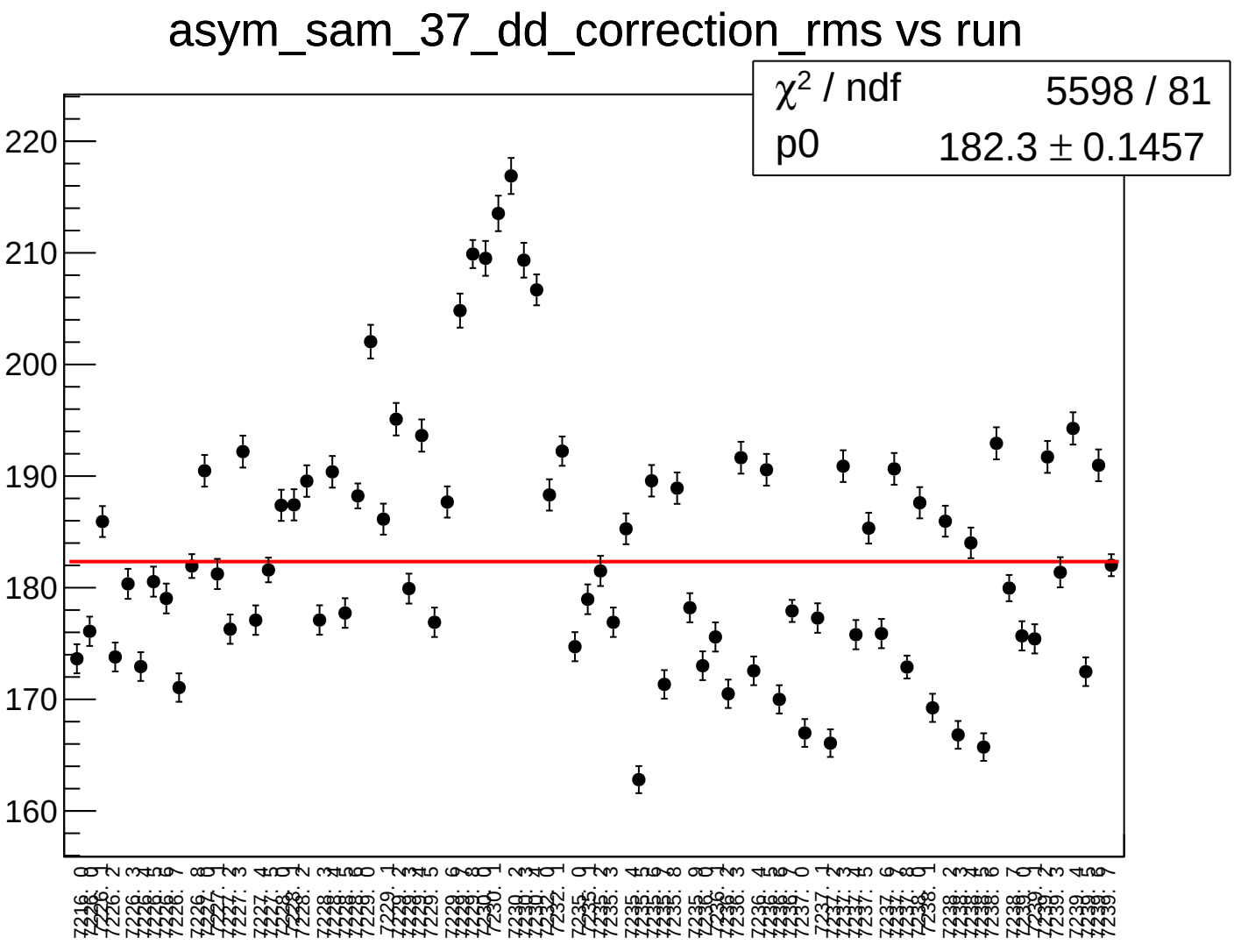

dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 78.8 / 81
p0 15.14 ± 48.03
pull
Entries 82
Mean −1289
Std Dev 1323

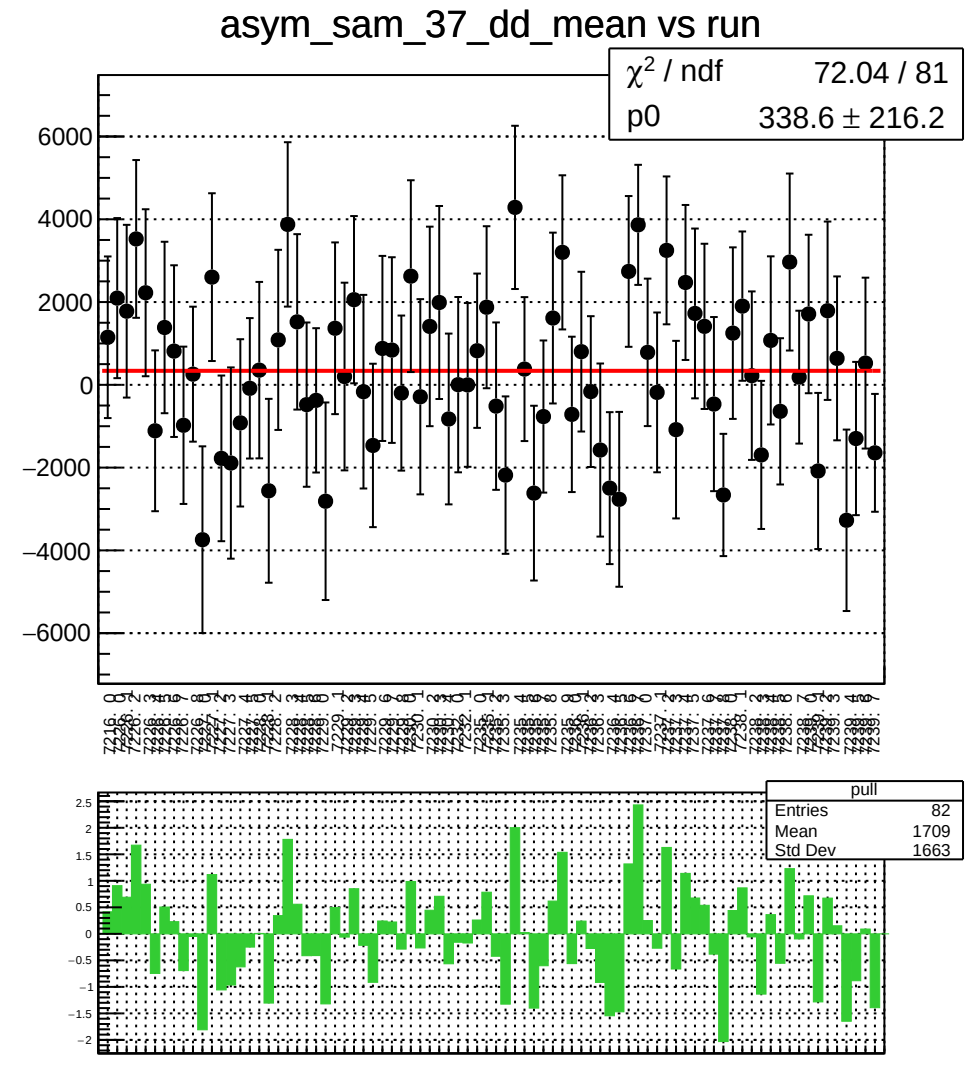

pull1D
Entries 82
Mean 0.002991
Std Dev 0.9803

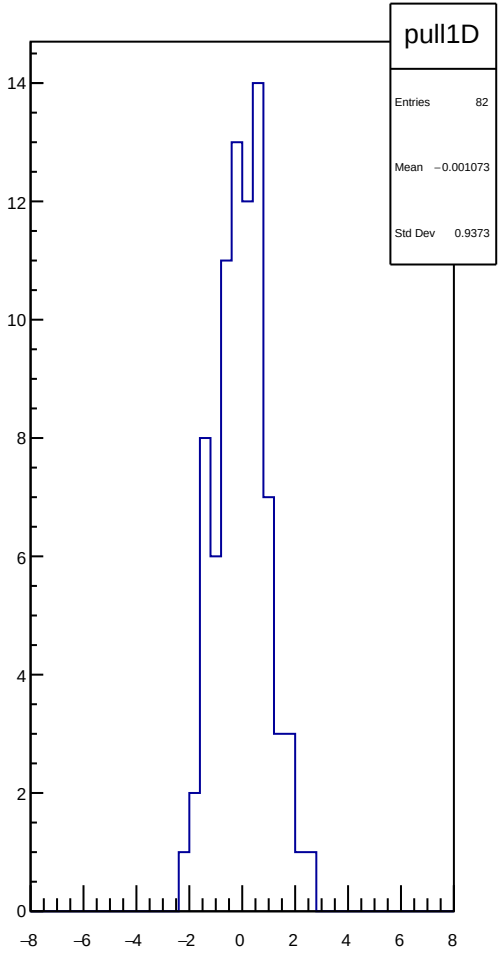

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.062e+04 / 81
p0 42.43 ± 0.03396
54
52
50
48
46
44
42
40
38

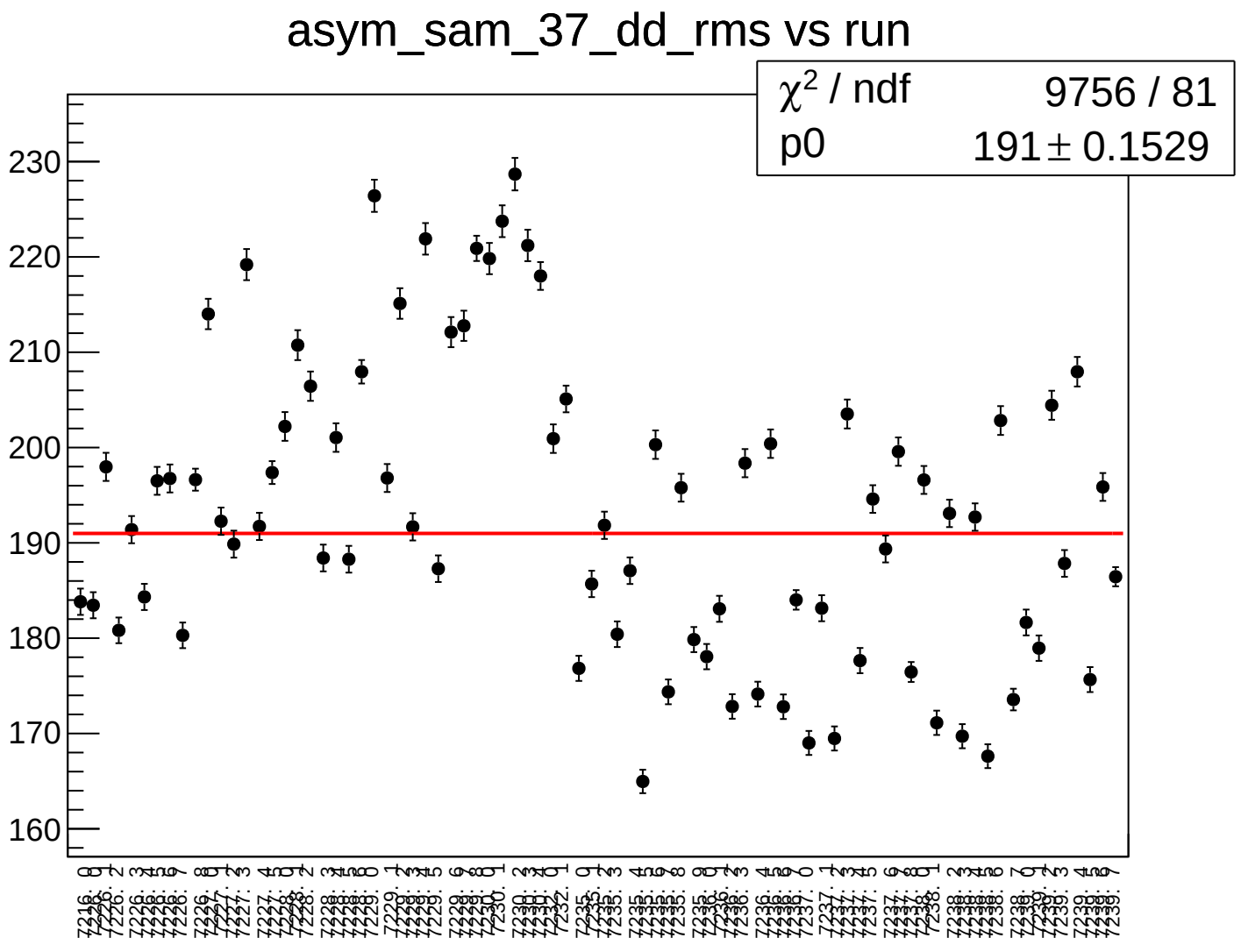

asym_sam_37_dd_correction_mean vs run
χ² / ndf 77.57 / 81
p0 −302.2 ± 206.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −209.7
Std Dev 267.3
2
1
0
−1
−2

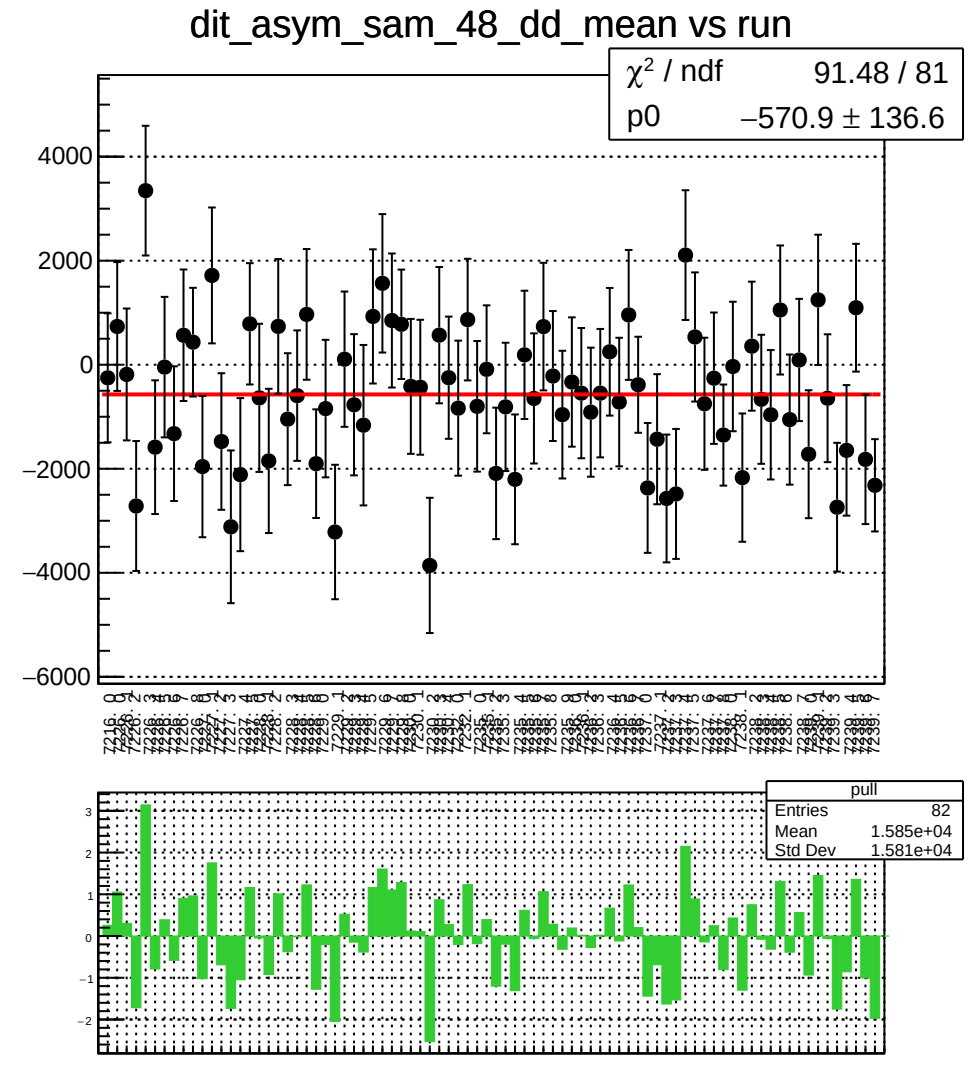

pull1D
Entries 82
Mean −0.00328
Std Dev 0.9726
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

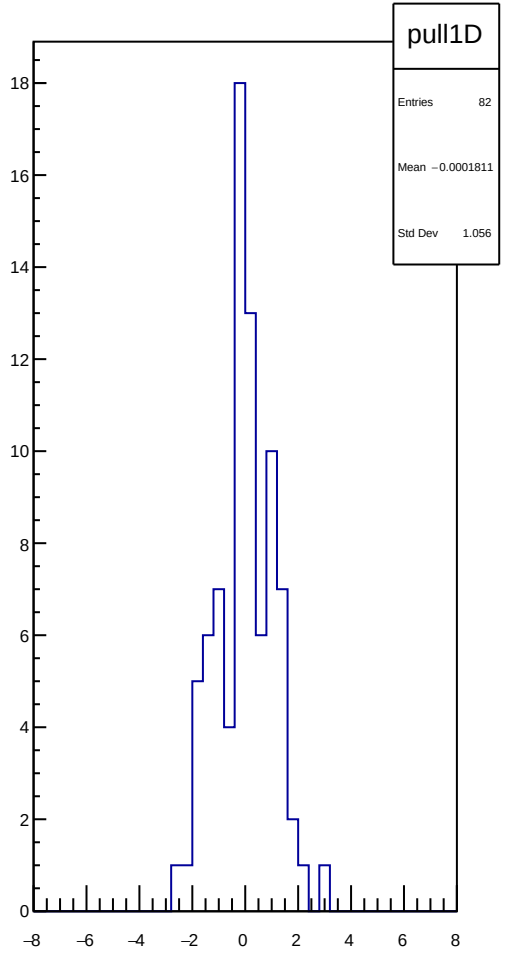

asym_sam_37_dd_correction_rms vs run
χ² / ndf 5598 / 81
p0 182.3 ± 0.1457
220
210
200
190
180
170
160

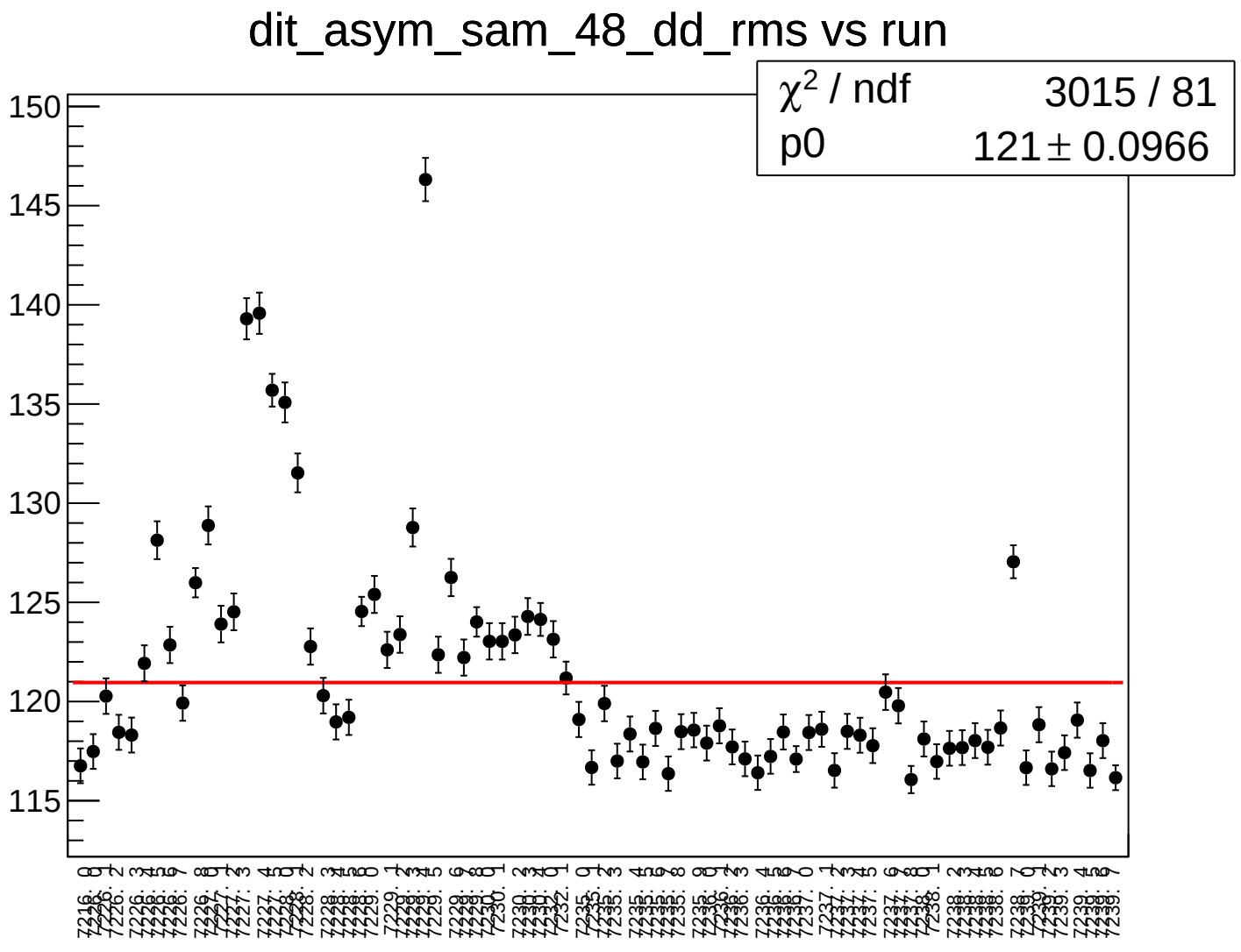

asym_sam_37_dd_mean vs run
χ² / ndf 72.04 / 81
p0 338.6 ± 216.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 1709
Std Dev 1663
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

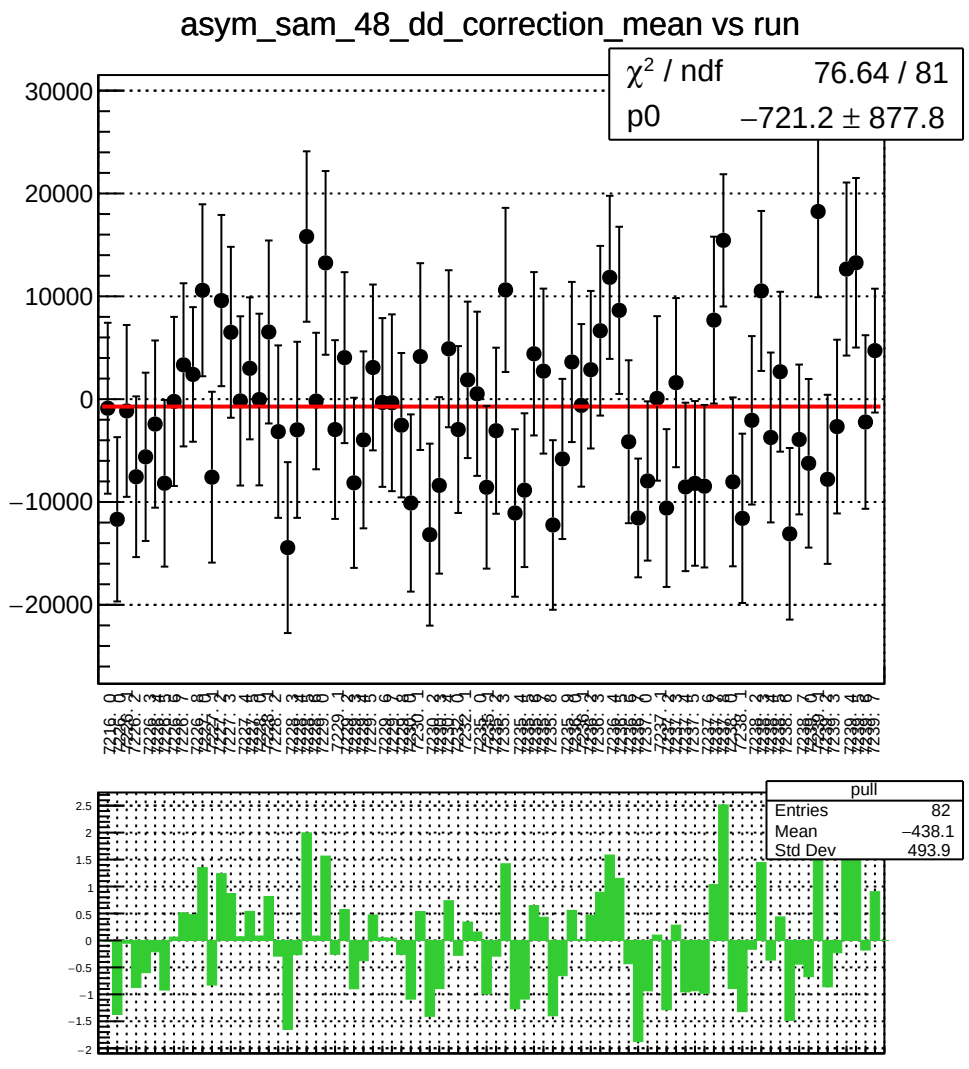

pull1D
Entries 82
Mean −0.001073
Std Dev 0.9373
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

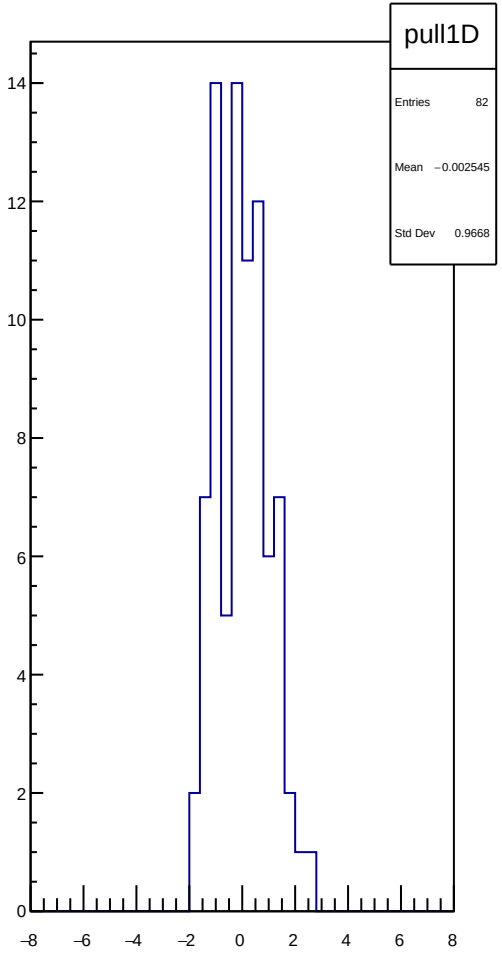

asym_sam_37_dd_rms vs run
χ^2 / ndf 9756 / 81
p0 191 ± 0.1529
230
220
210
200
190
180
170
160

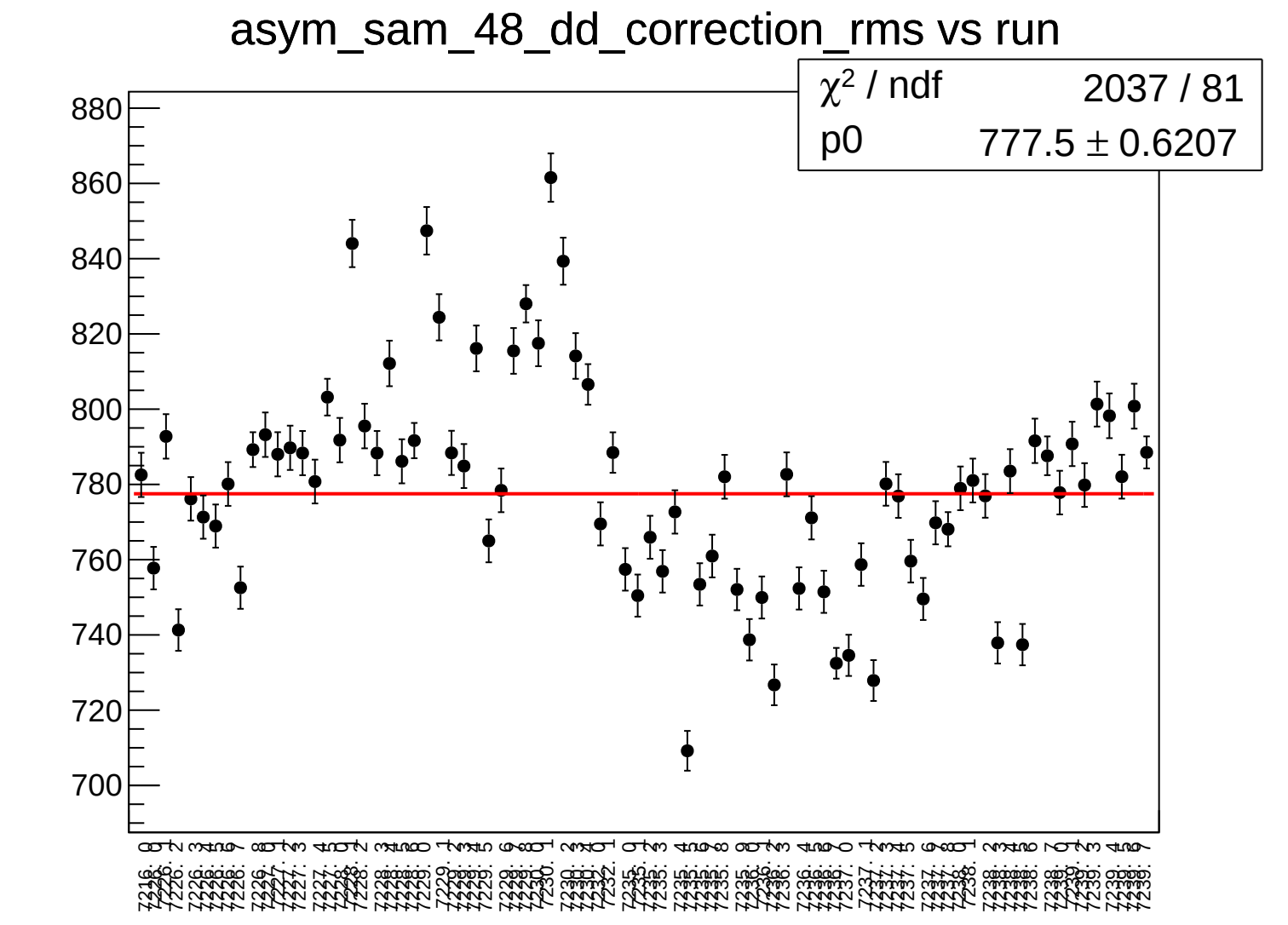

dit_asym_sam_48_dd_mean vs run
χ² / ndf 91.48 / 81
p0 −570.9 ± 136.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 1.585e+04
Std Dev 1.581e+04
3
2
1
0
−1
−2

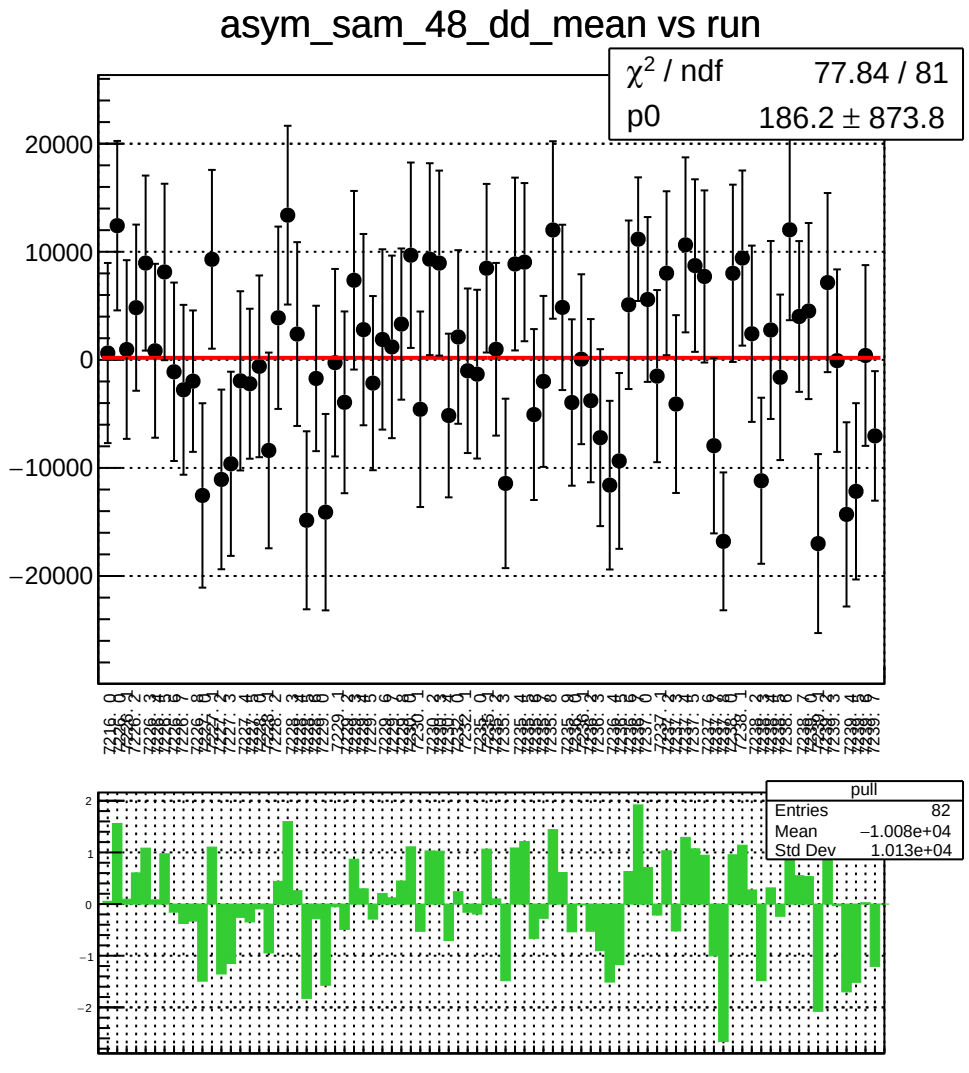

pull1D
Entries 82
Mean −0.0001811
Std Dev 1.056
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

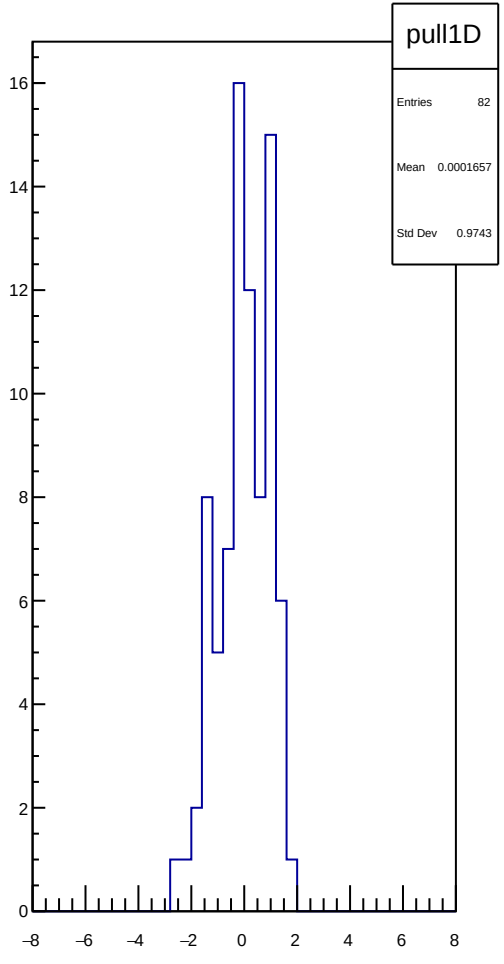

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 3015 / 81
p0 121 ± 0.0966
150
145
140
135
130
125
120
115

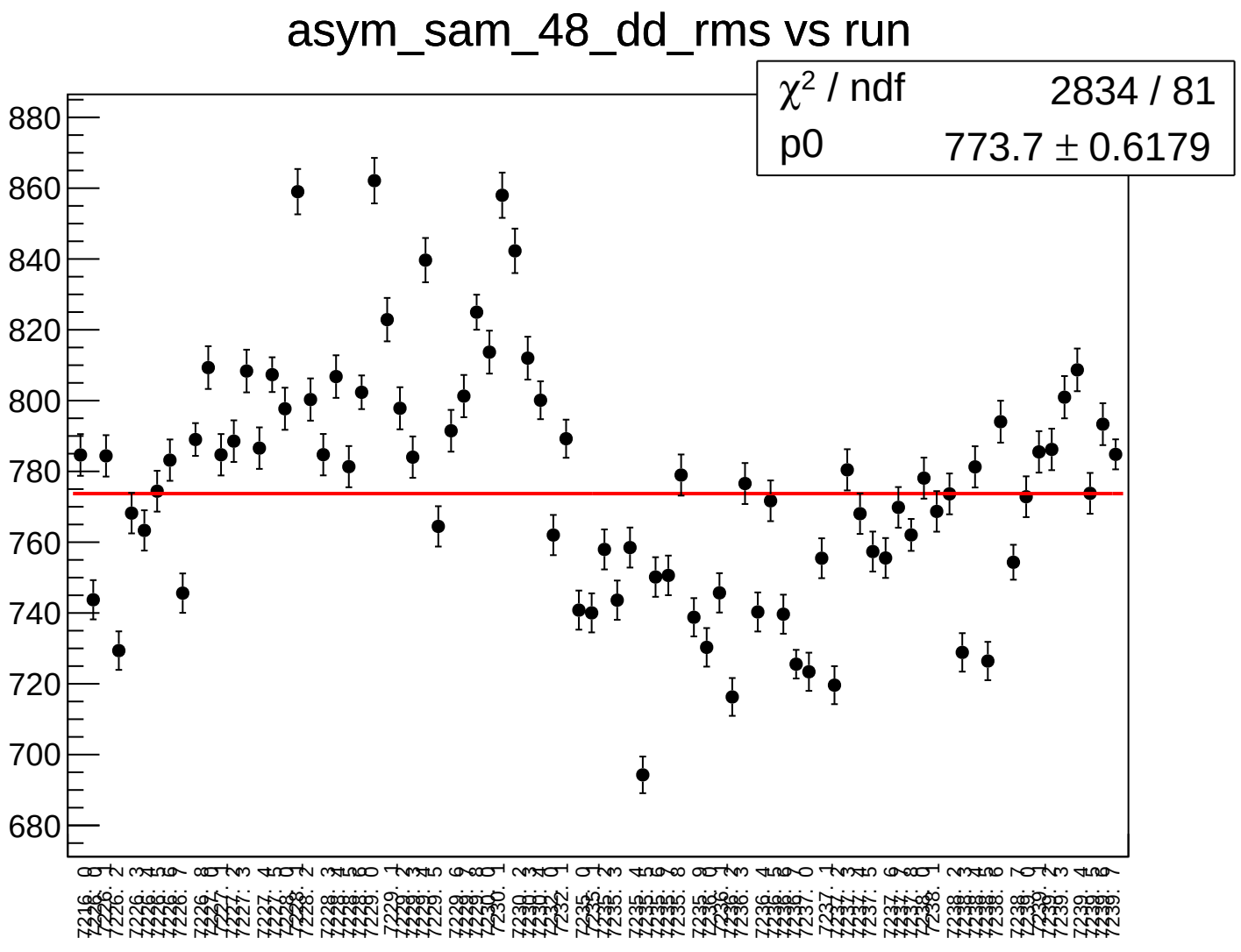

asym_sam_48_dd_correction_mean vs run
χ² / ndf 76.64 / 81
p0 −721.2 ± 877.8
pull
Entries 82
Mean −438.1
Std Dev 493.9

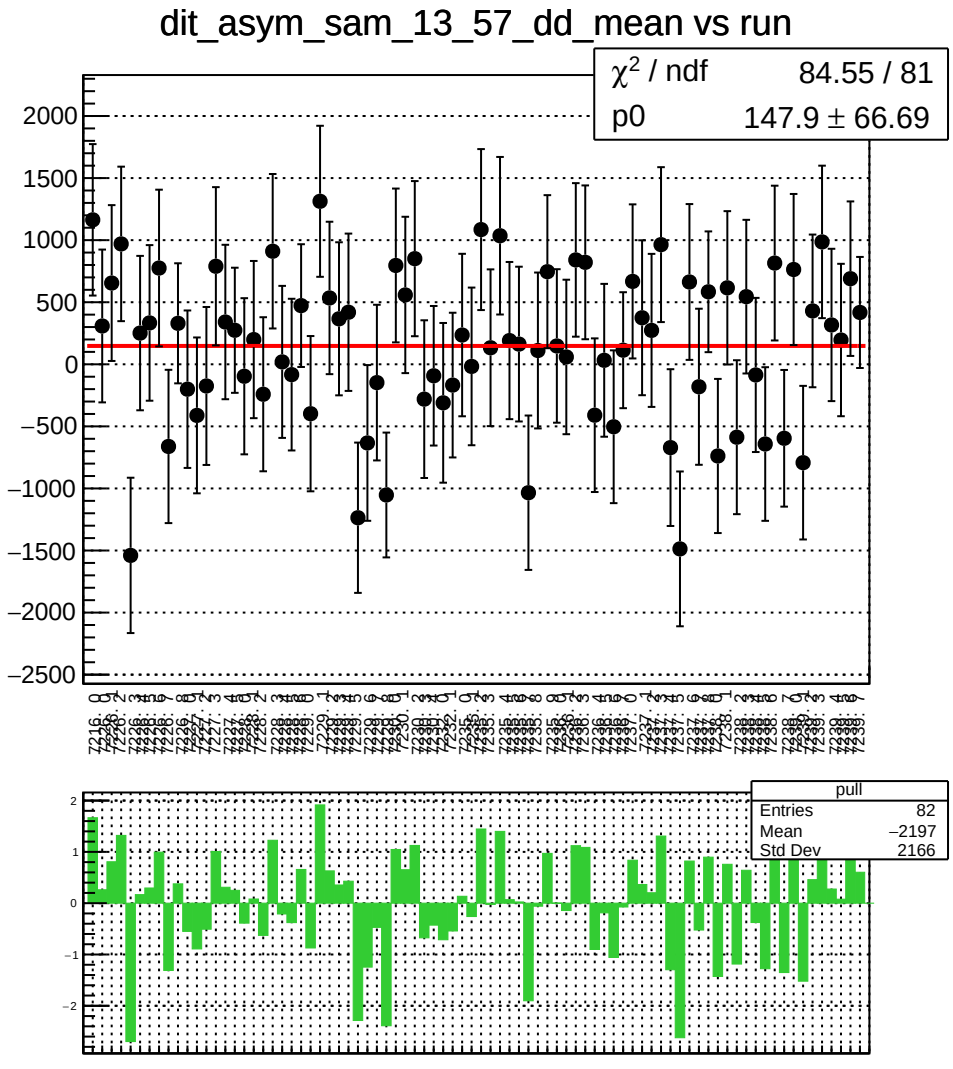

pull1D
Entries 82
Mean −0.002545
Std Dev 0.9668

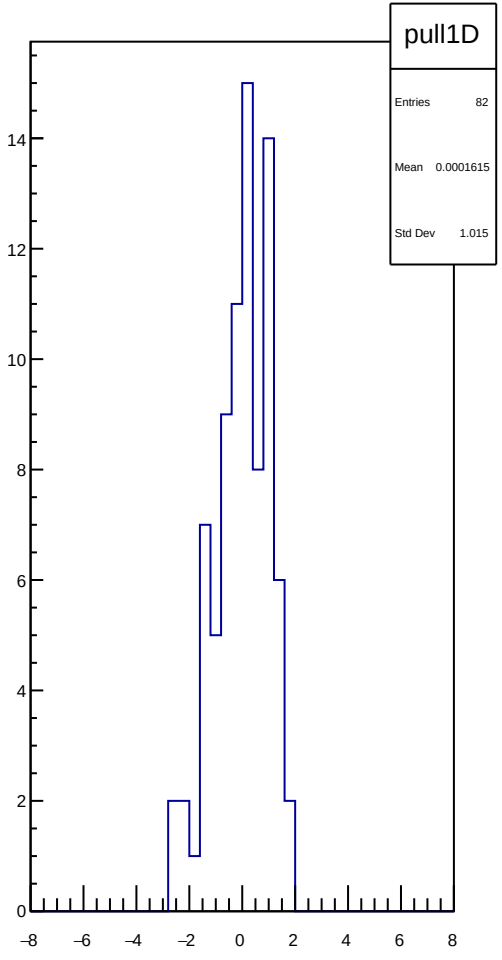

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2037 / 81
p0 777.5 ± 0.6207
880
860
840
820
800
780
760
740
720
700

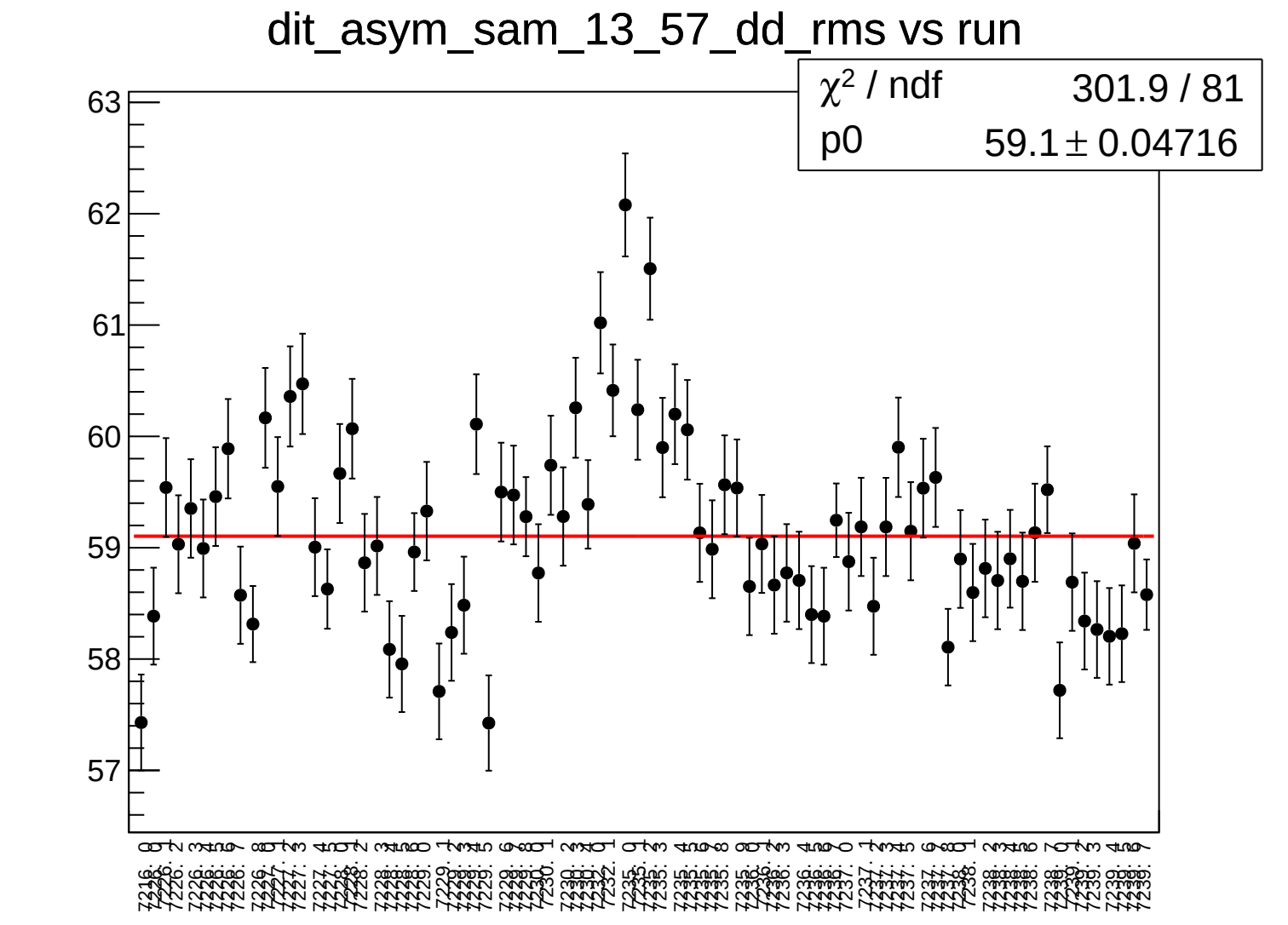

asym_sam_48_dd_mean vs run
χ² / ndf 77.84 / 81
p0 186.2 ± 873.8
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −1.008e+04
Std Dev 1.013e+04
2
1
0
−1
−2

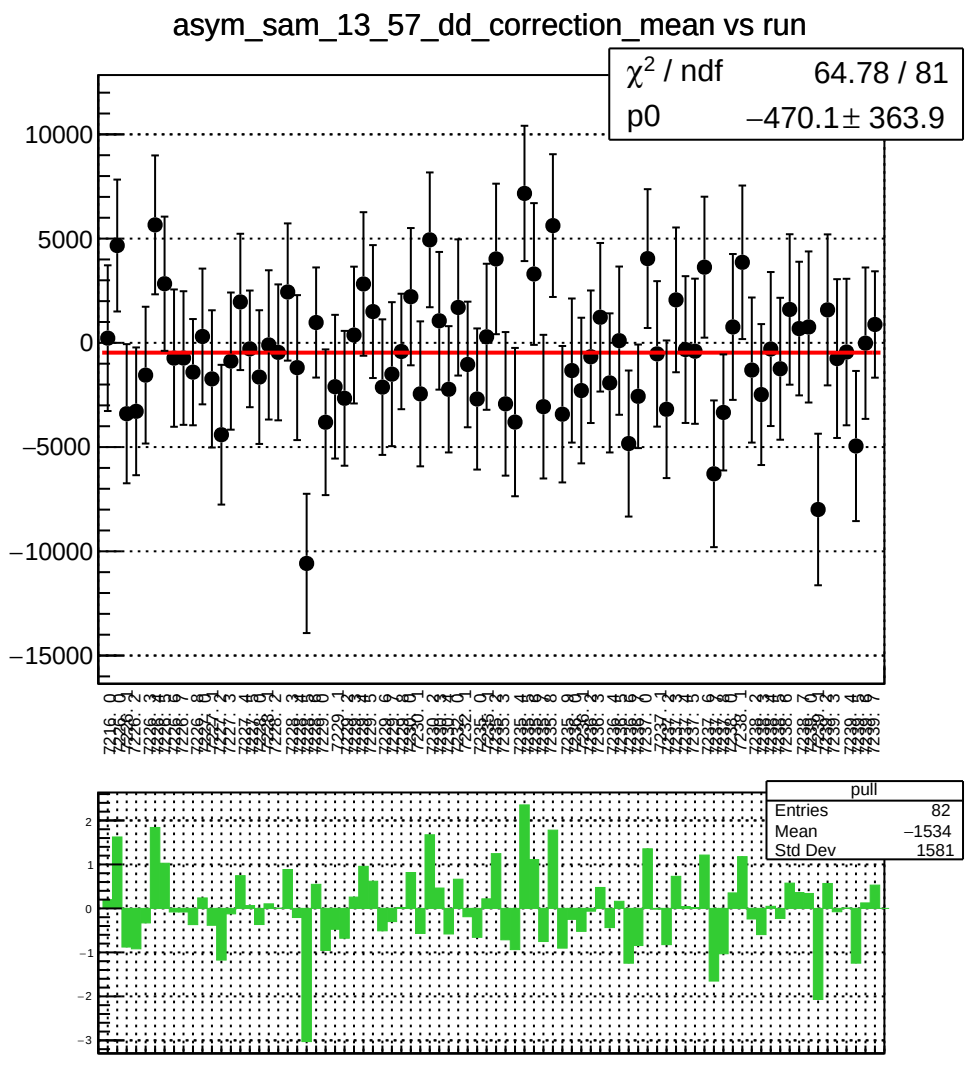

pull1D
Entries 82
Mean 0.0001657
Std Dev 0.9743
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

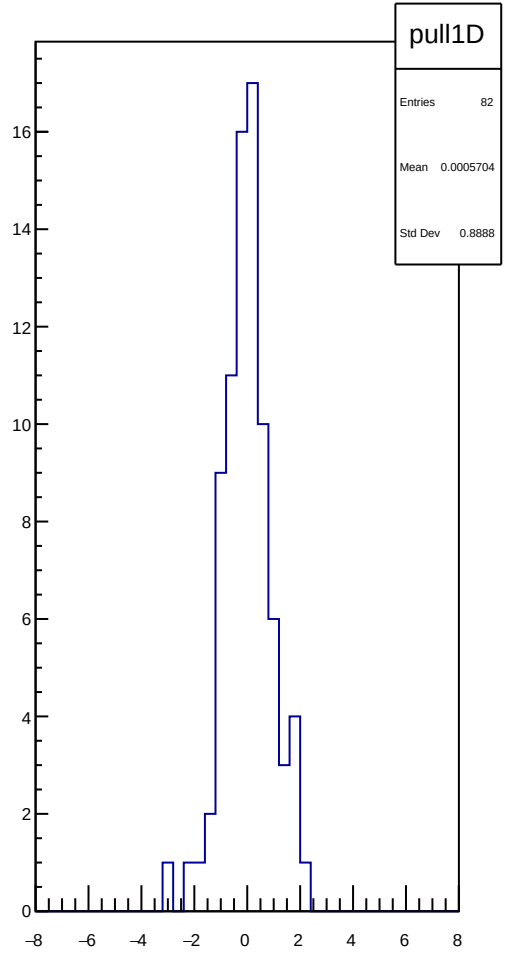

asym_sam_48_dd_rms vs run
χ² / ndf 2834 / 81
p0 773.7 ± 0.6179
880
860
840
820
800
780
760
740
720
700
680

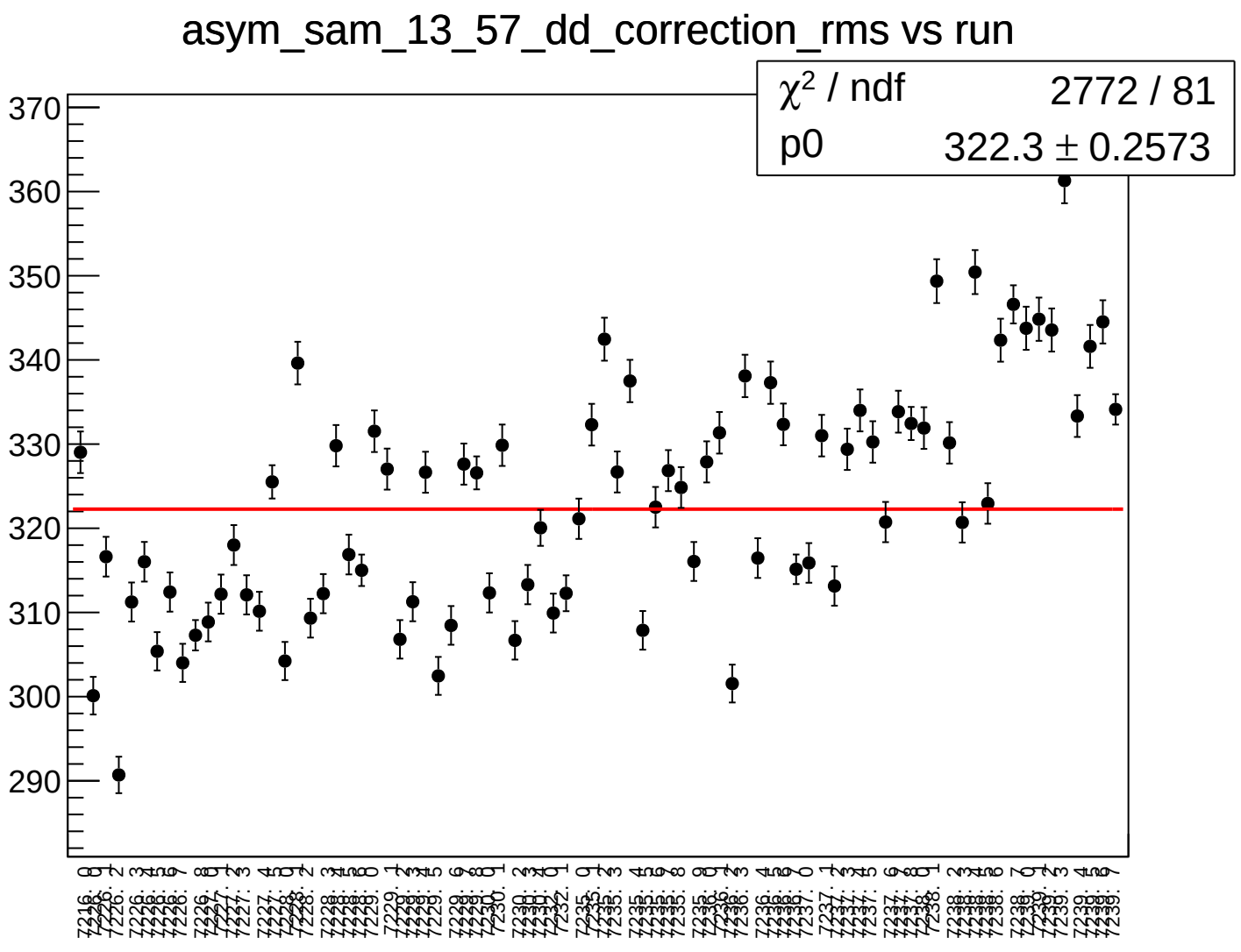

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 84.55 / 81
p0 147.9 ± 66.69
pull
Entries 82
Mean −2197
Std Dev 2166

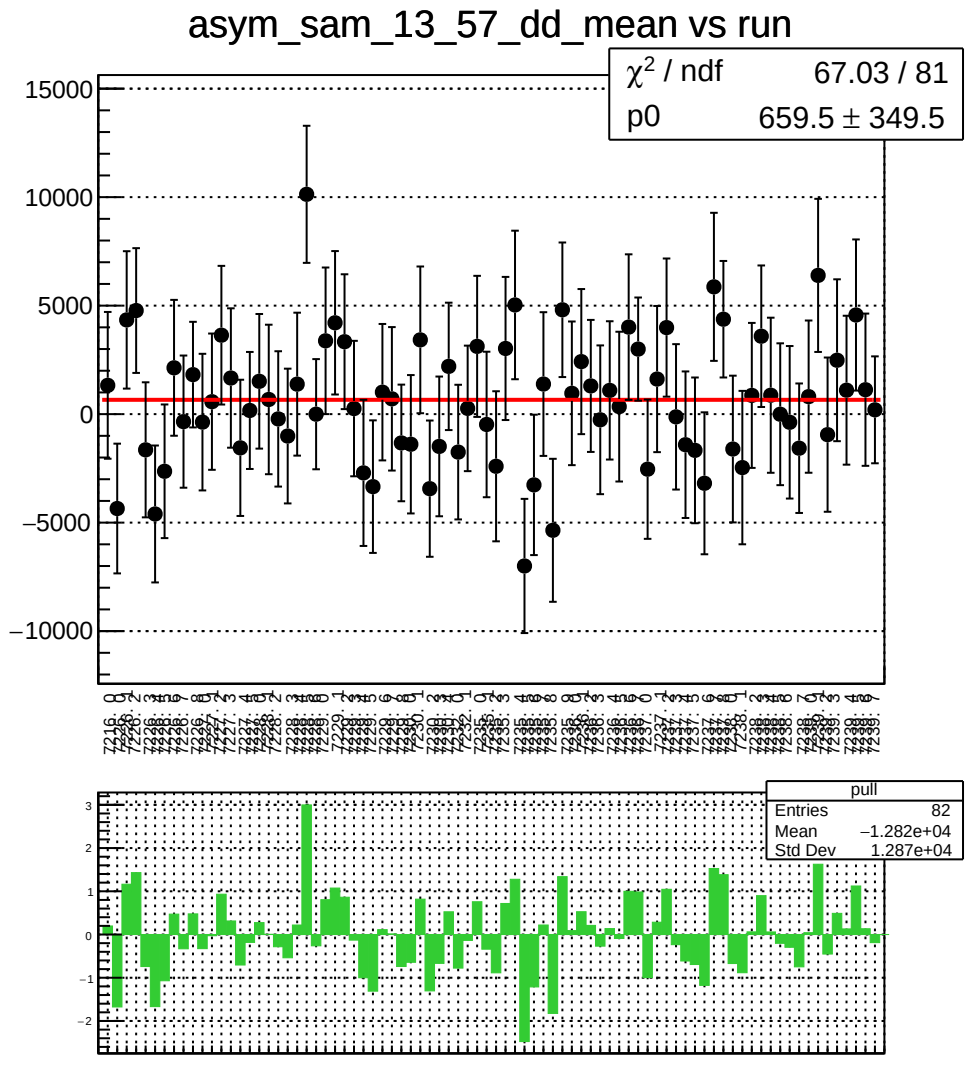

pull1D
Entries 82
Mean 0.0001615
Std Dev 1.015

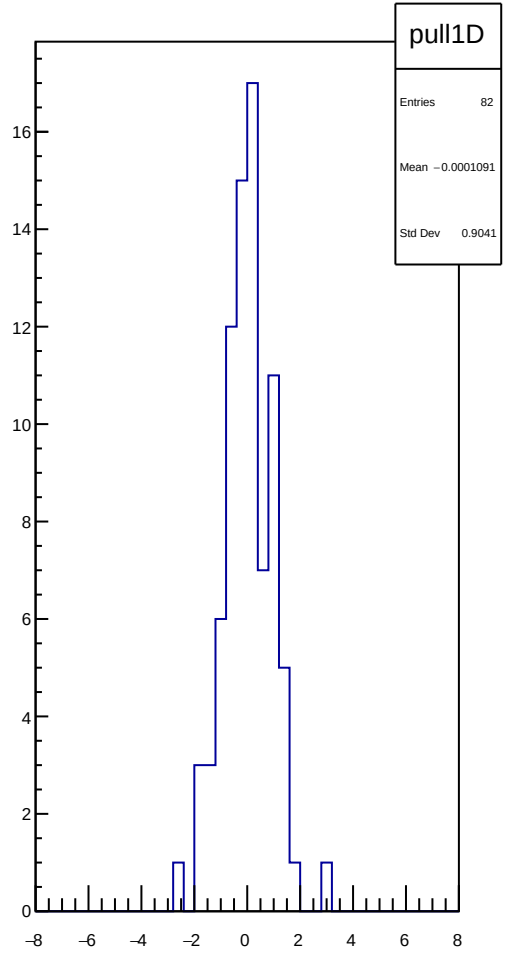

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 301.9 / 81
p0 59.1 ± 0.04716
63
62
61
60
59
58
57

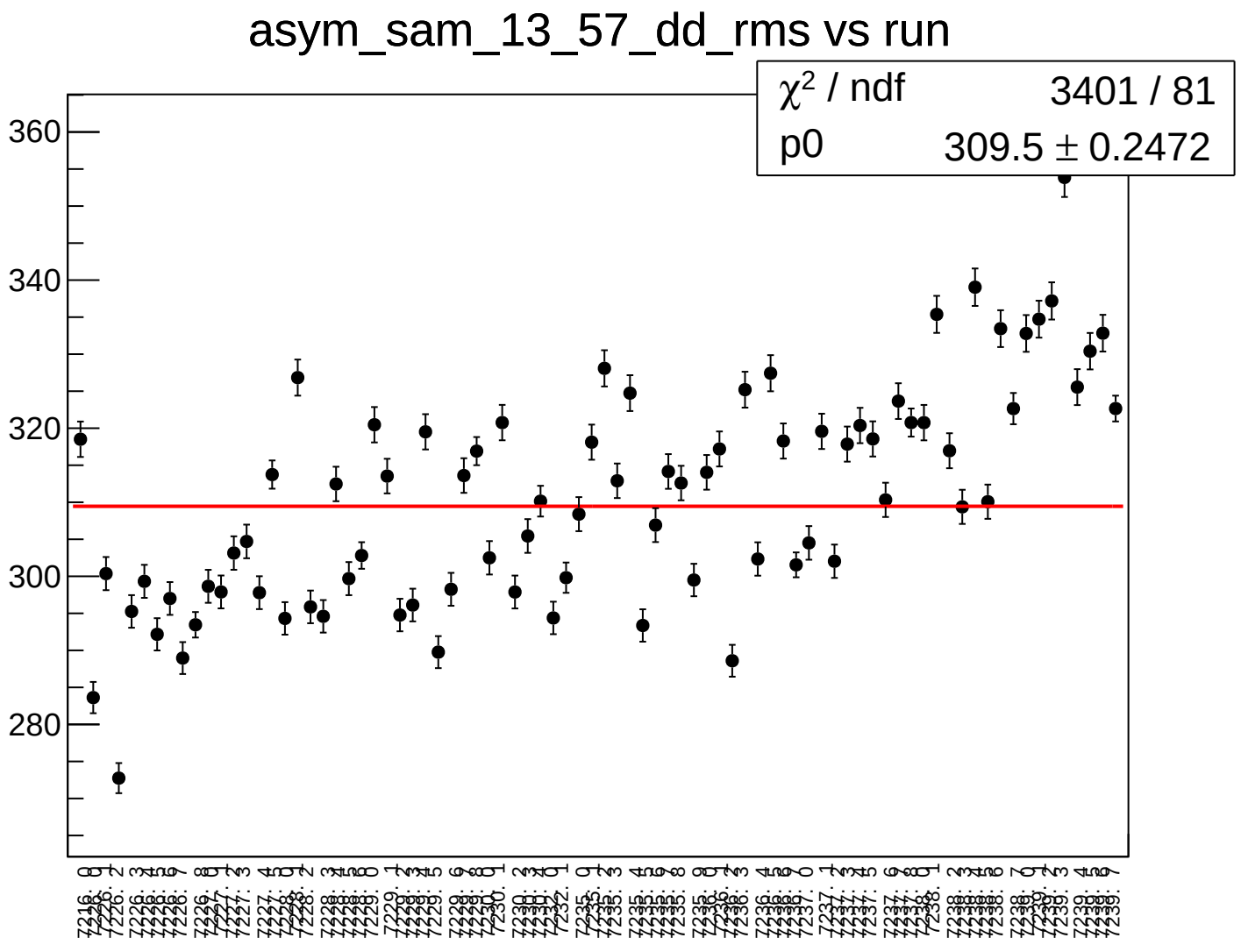

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 64.78 / 81
p0 −470.1± 363.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −1534
Std Dev 1581
2
1
0
−1
−2
−3

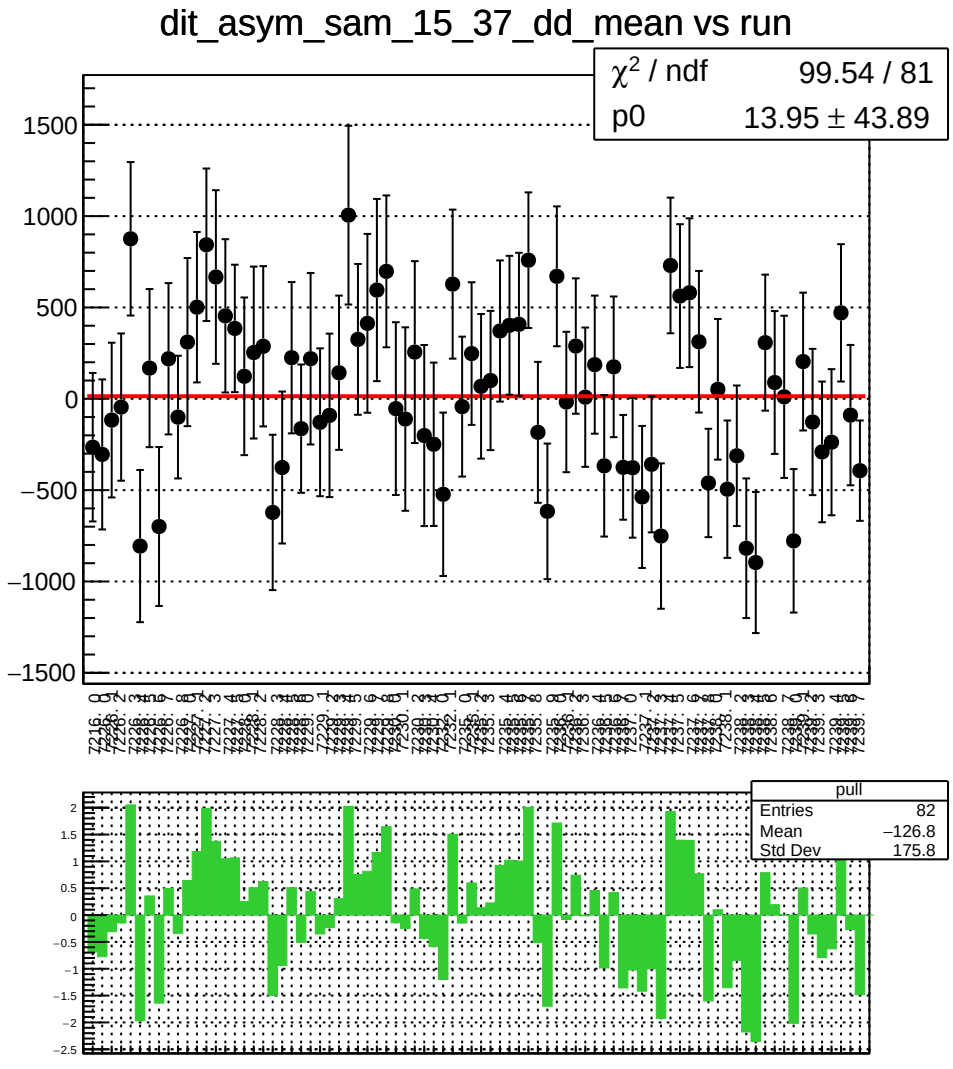

pull1D
Entries 82
Mean 0.0005704
Std Dev 0.8888
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

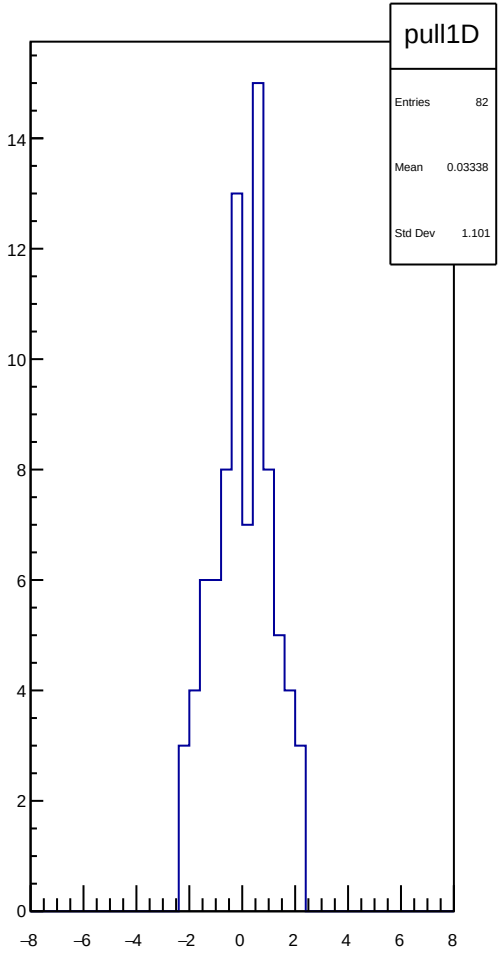

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2772 / 81
p0 322.3 ± 0.2573
370
360
350
340
330
320
310
300
290

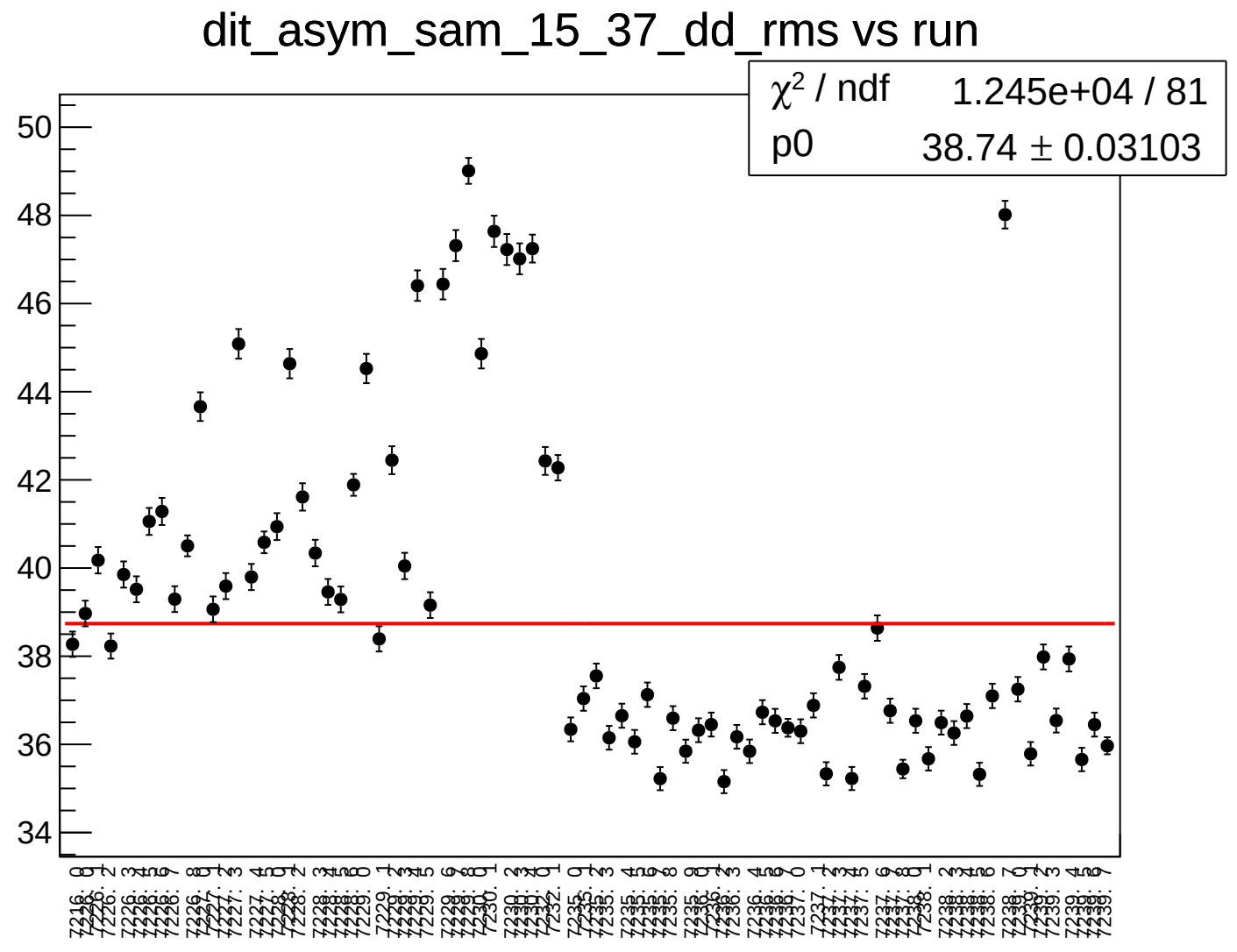

asym_sam_13_57_dd_mean vs run
χ² / ndf 67.03 / 81
p0 659.5 ± 349.5
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −1.282e+04
Std Dev 1.287e+04
3
2
1
0
−1
−2

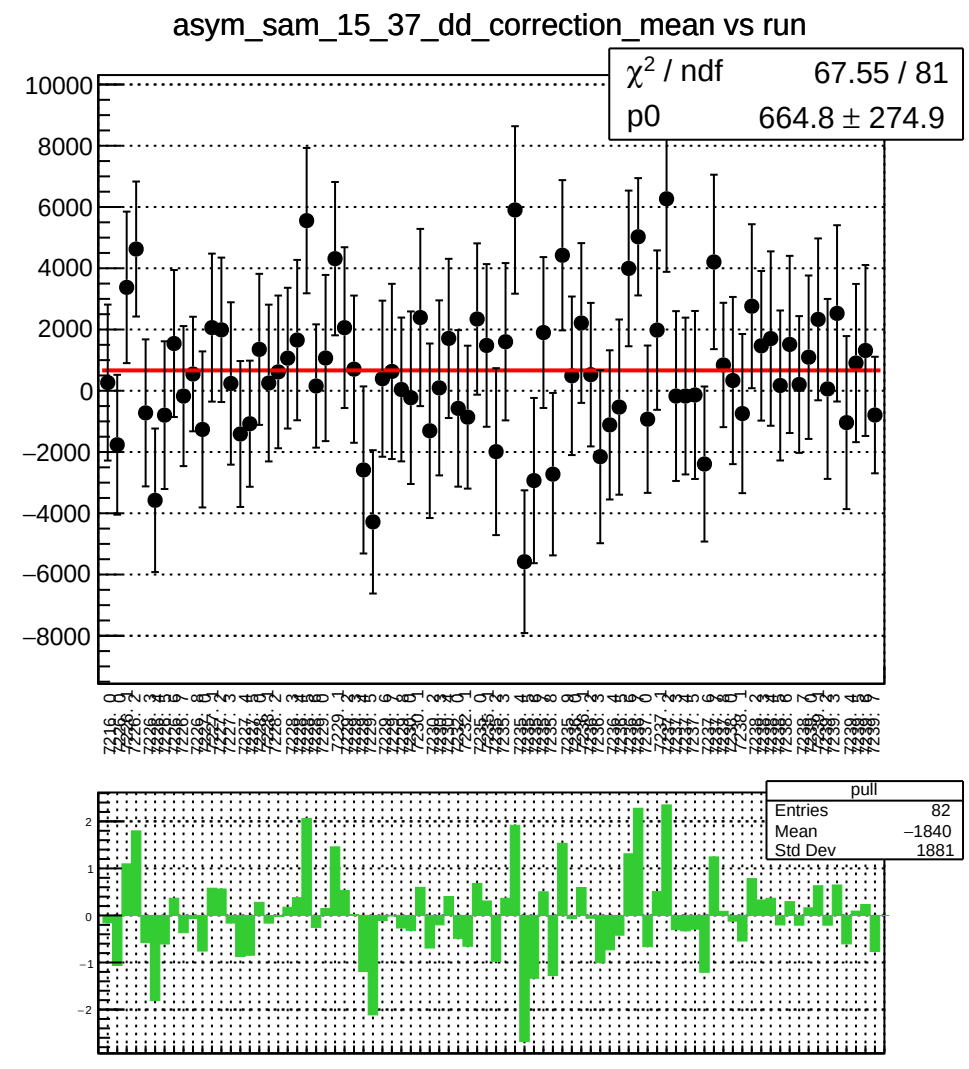

pull1D
Entries 82
Mean −0.0001091
Std Dev 0.9041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

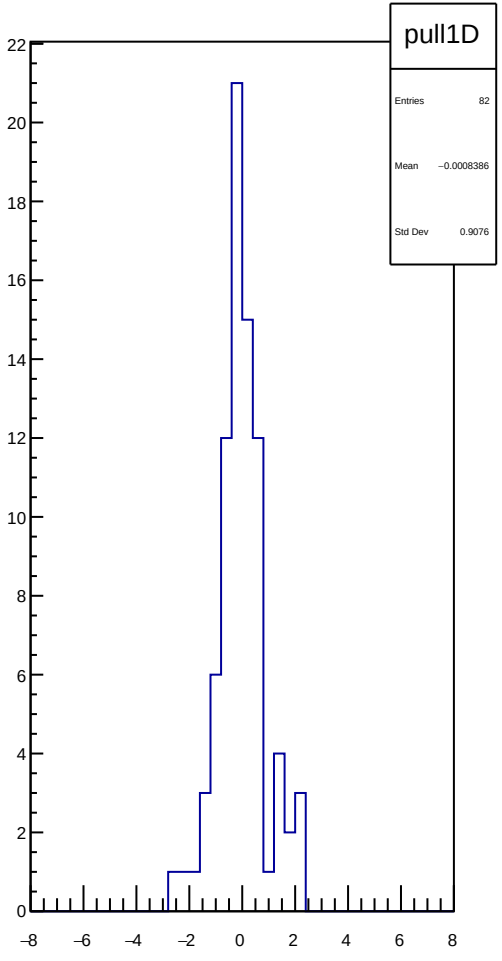

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 3401 / 81
p0 309.5 ± 0.2472
360
340
320
300
280

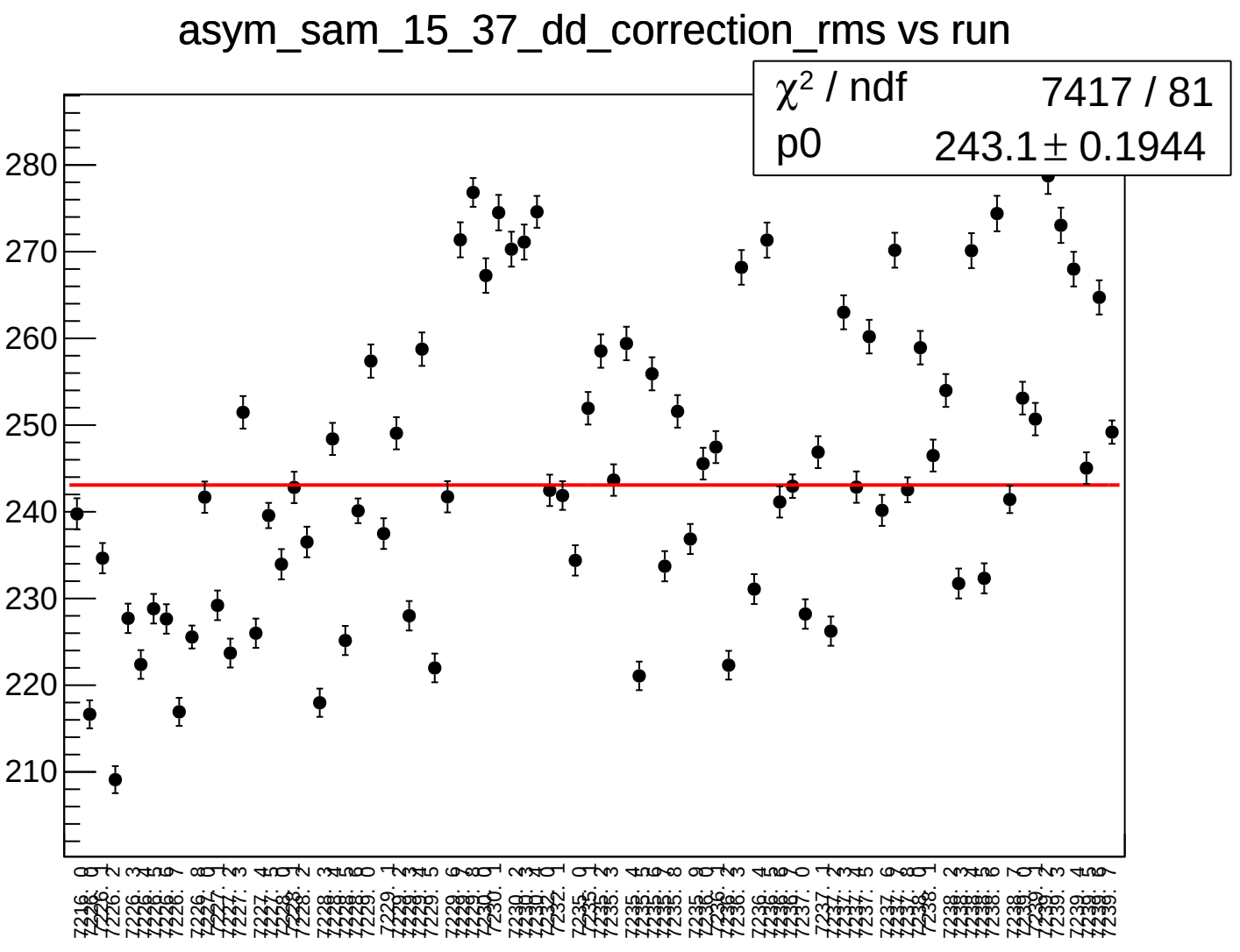

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 99.54 / 81
p0 13.95 ± 43.89
pull
Entries 82
Mean −126.8
Std Dev 175.8

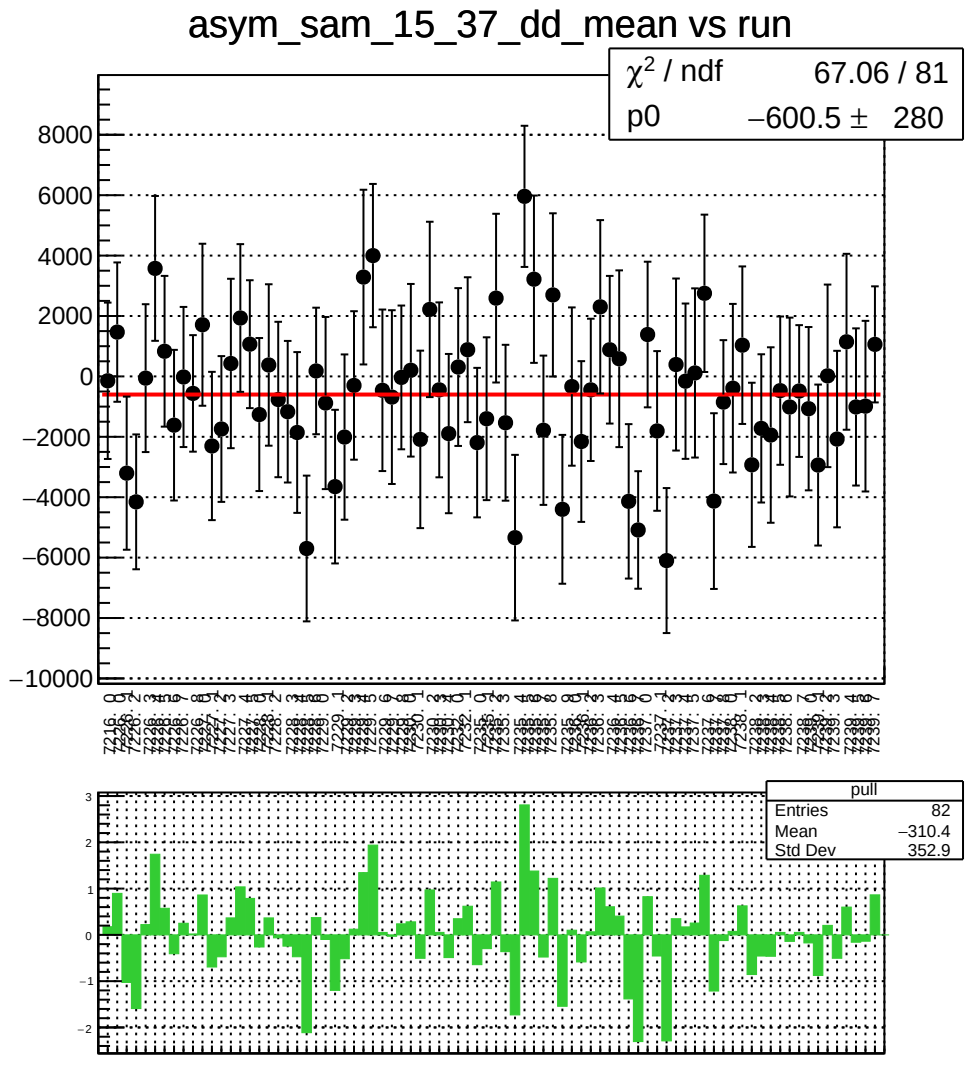

pull1D
Entries 82
Mean 0.03338
Std Dev 1.101

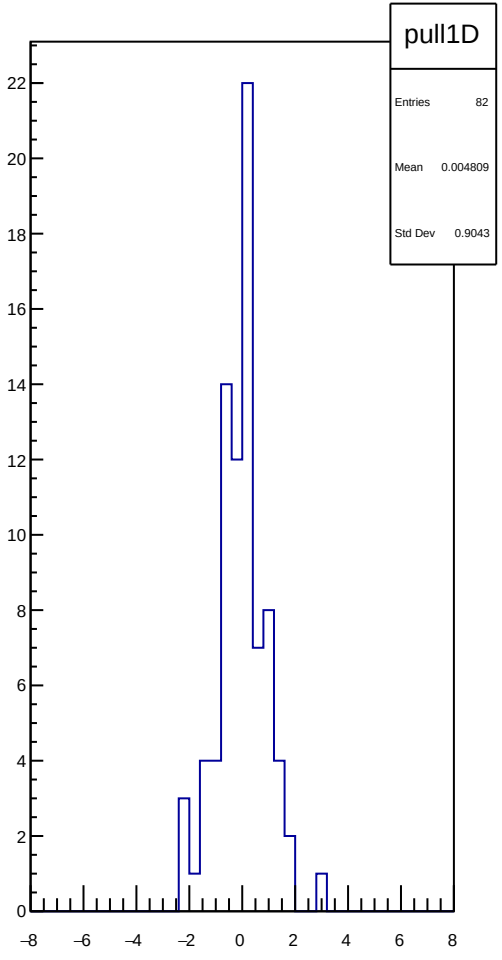

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.245e+04 / 81
p0 38.74 ± 0.03103
50
48
46
44
42
40
38
36
34

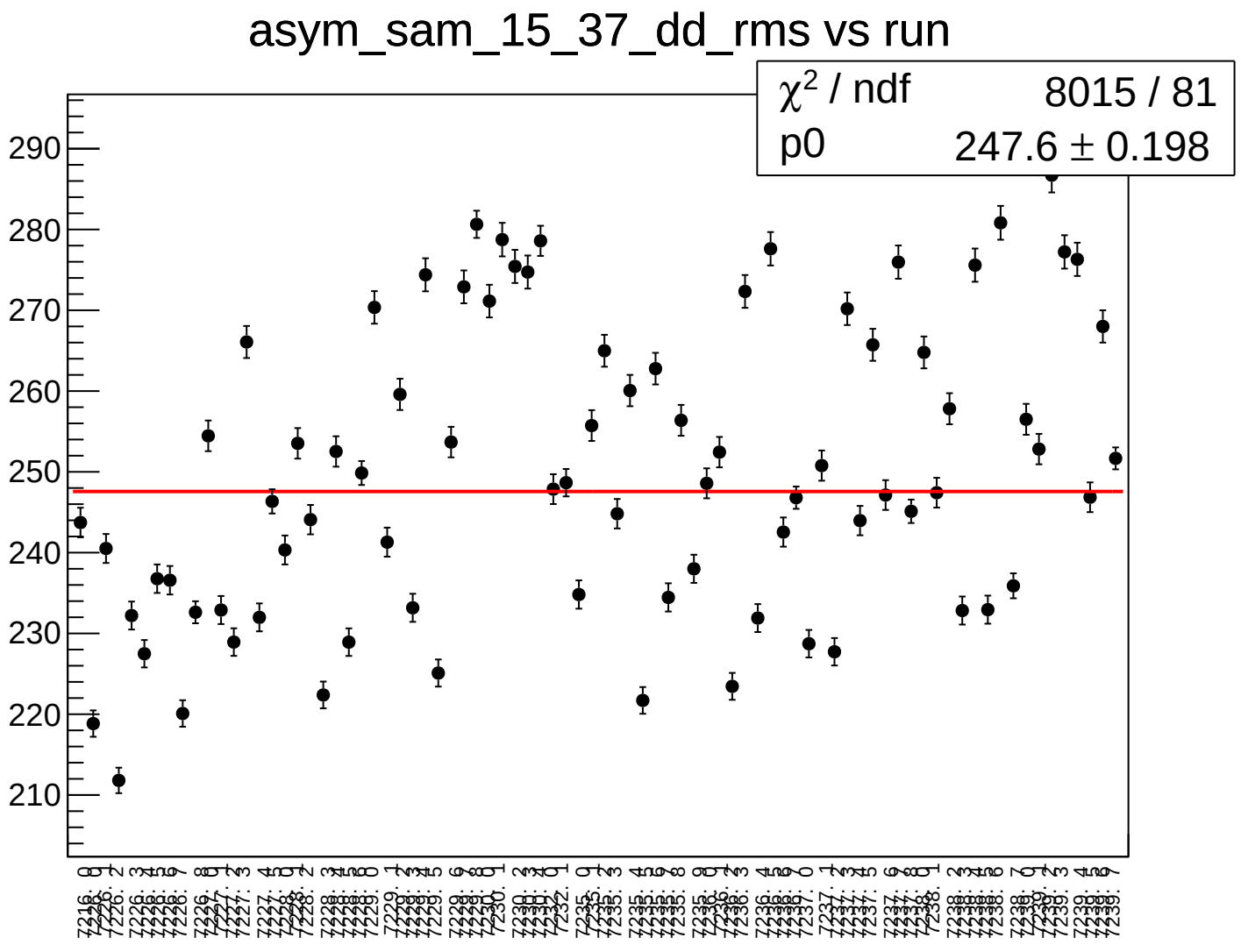

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 67.55 / 81
p0 664.8 ± 274.9
pull
Entries 82
Mean −1840
Std Dev 1881

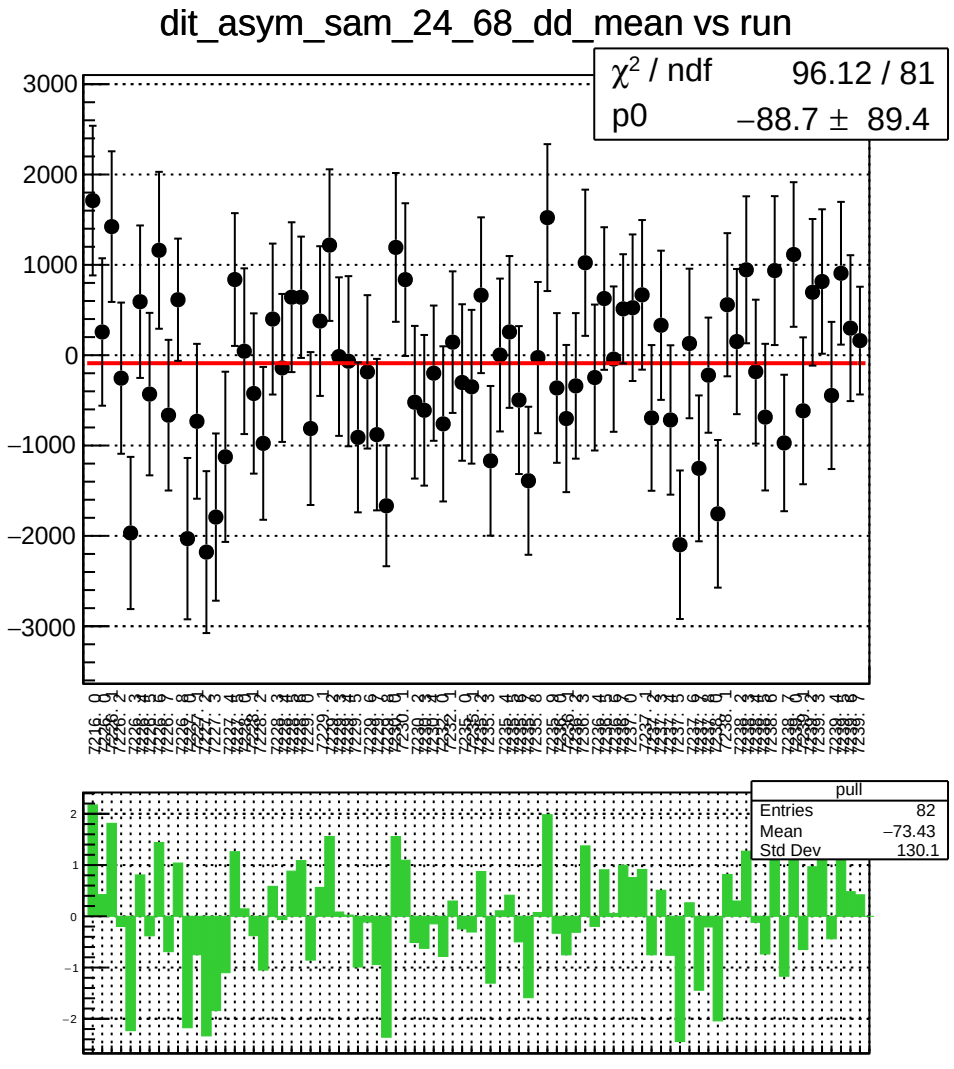

pull1D
Entries 82
Mean −0.0008386
Std Dev 0.9076

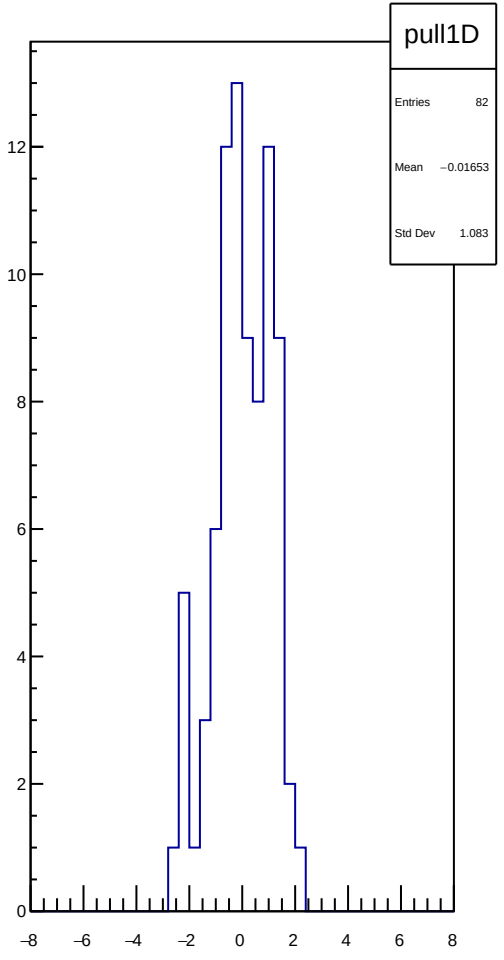

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 7417 / 81
p0 243.1 ± 0.1944
280
270
260
250
240
230
220
210

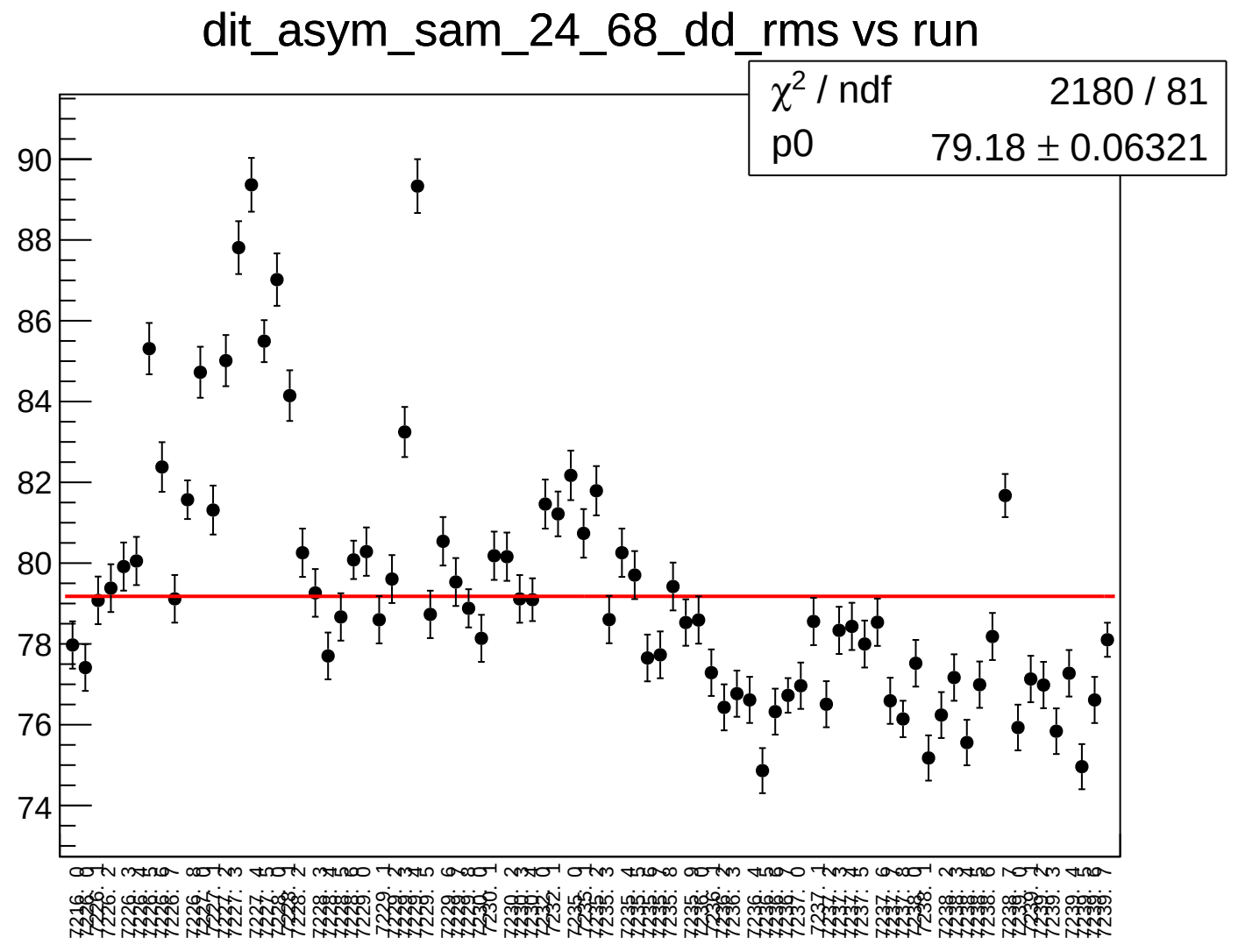

asym_sam_15_37_dd_mean vs run
χ² / ndf 67.06 / 81
p0 −600.5 ± 280
pull
Entries 82
Mean −310.4
Std Dev 352.9

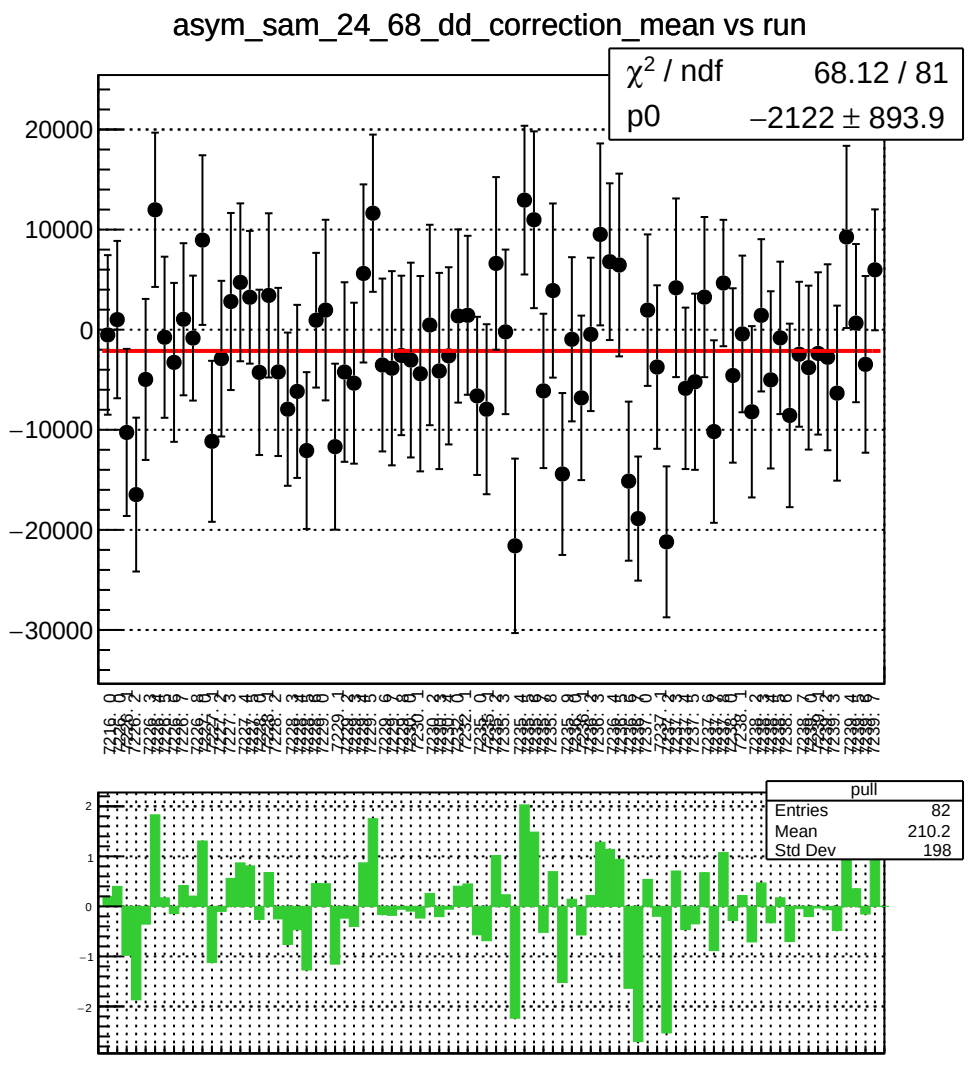

pull1D
Entries 82
Mean 0.004809
Std Dev 0.9043

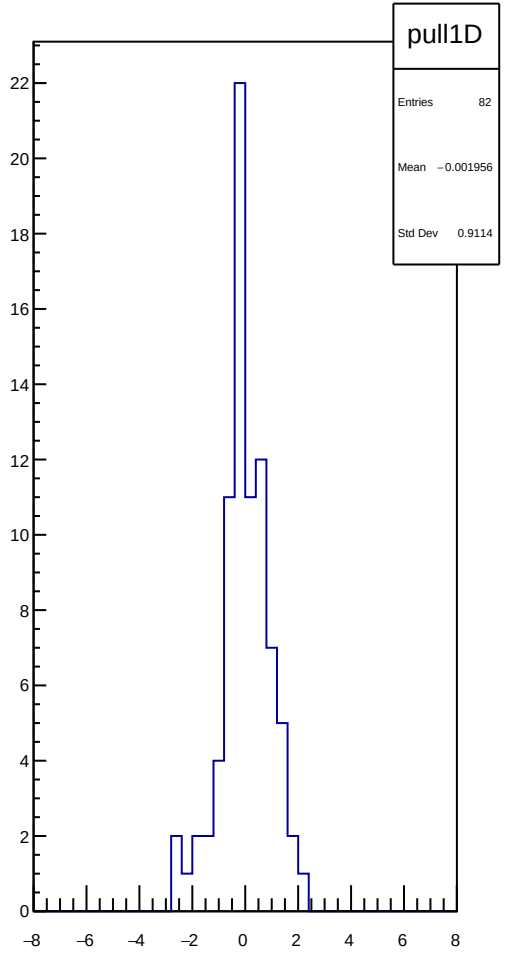

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 8015 / 81
p0 247.6 ± 0.198
290
280
270
260
250
240
230
220
210

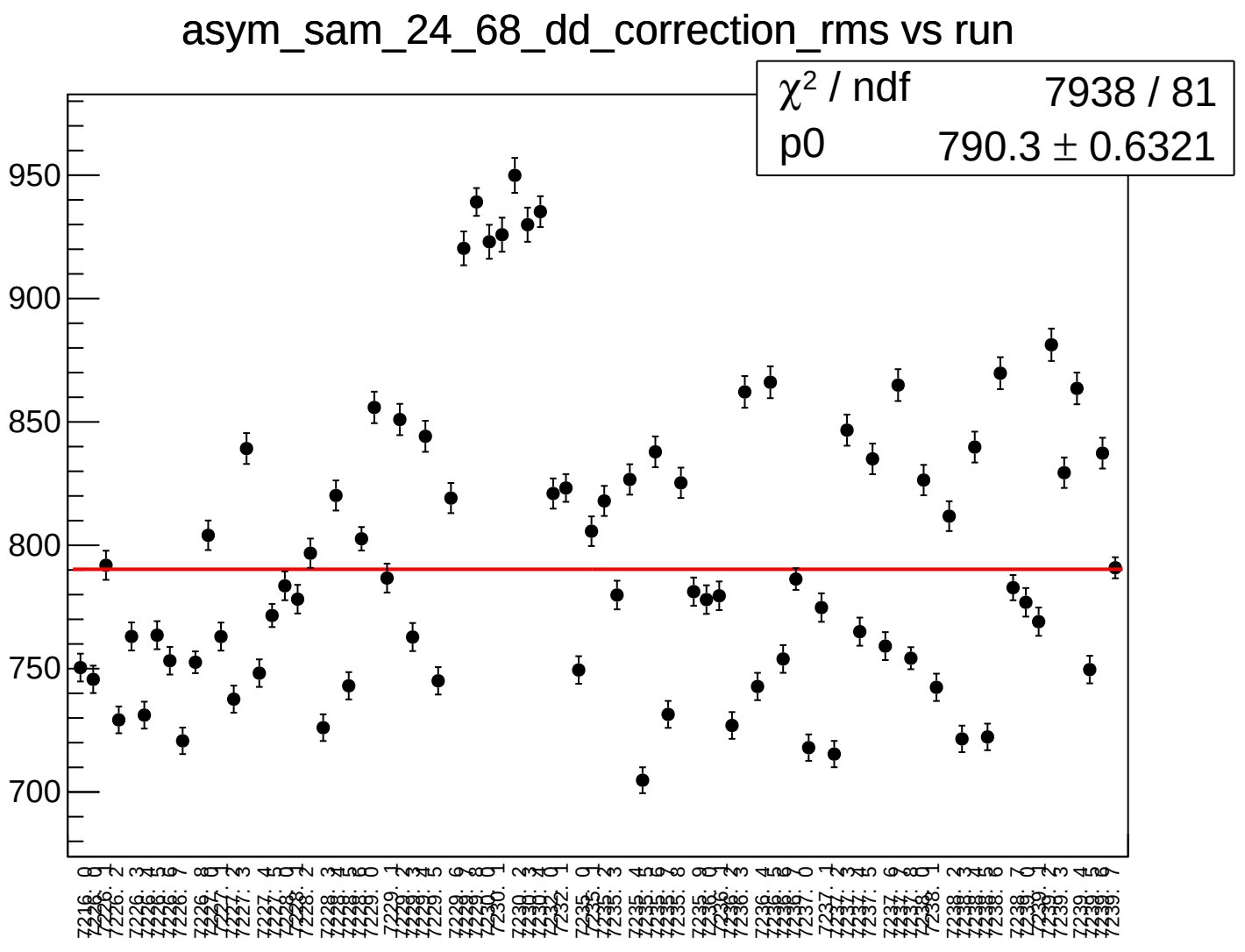

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 96.12 / 81
p0 −88.7 ± 89.4
pull
Entries 82
Mean −73.43
Std Dev 130.1

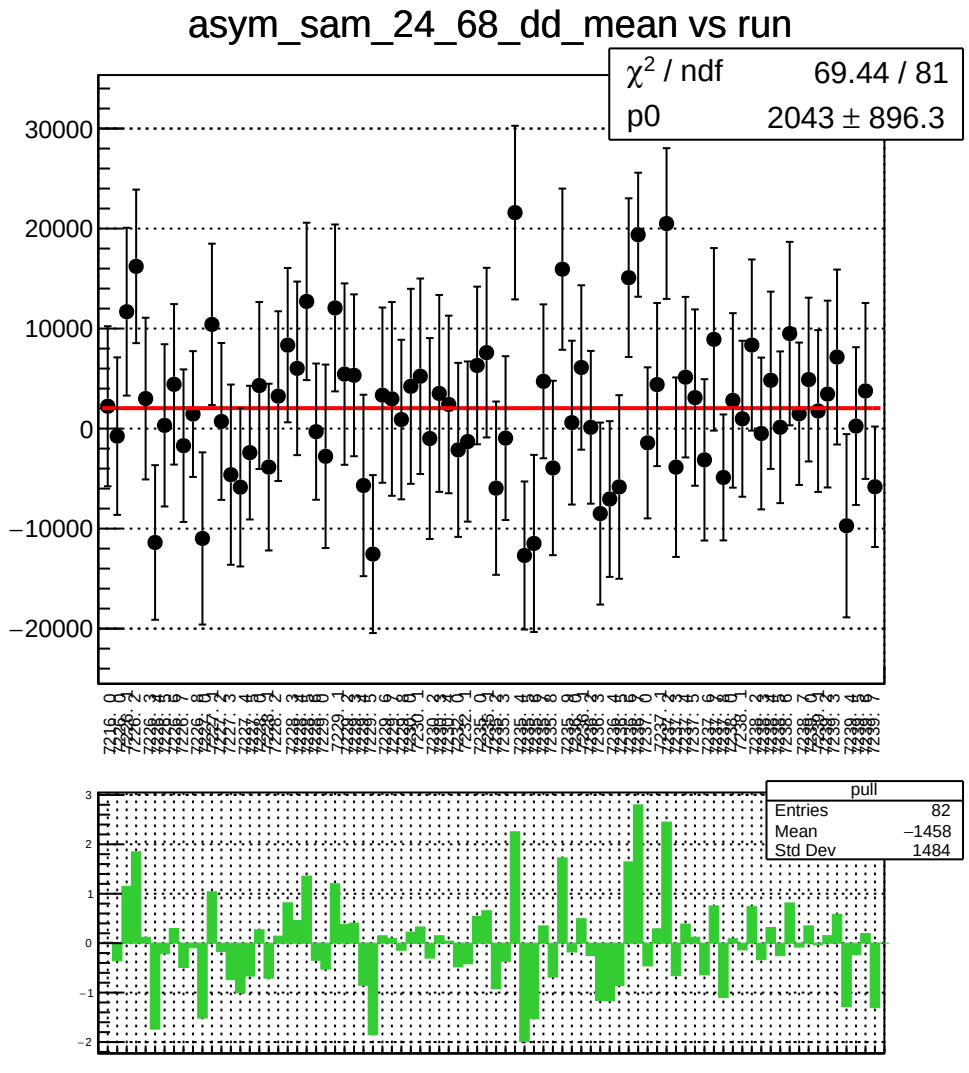

pull1D
Entries 82
Mean −0.01653
Std Dev 1.083

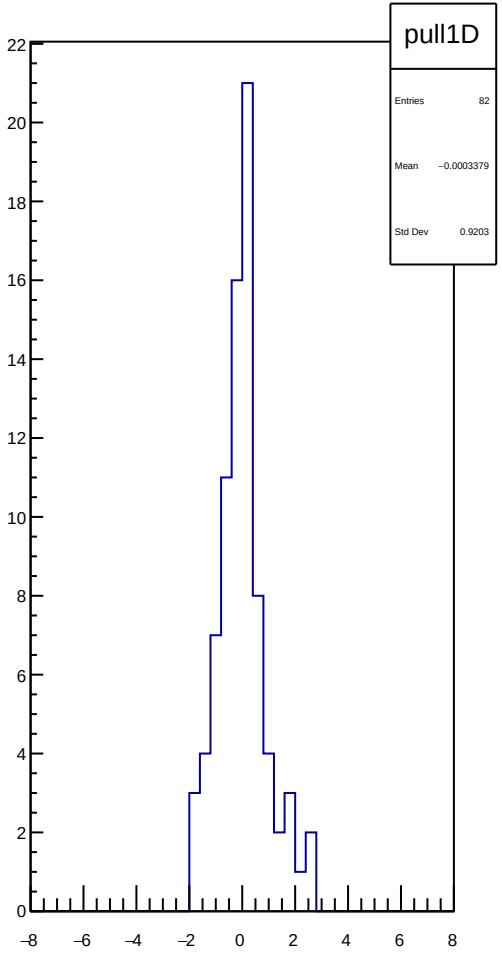

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2180 / 81
p0 79.18 ± 0.06321
90
88
86
84
82
80
78
76
74

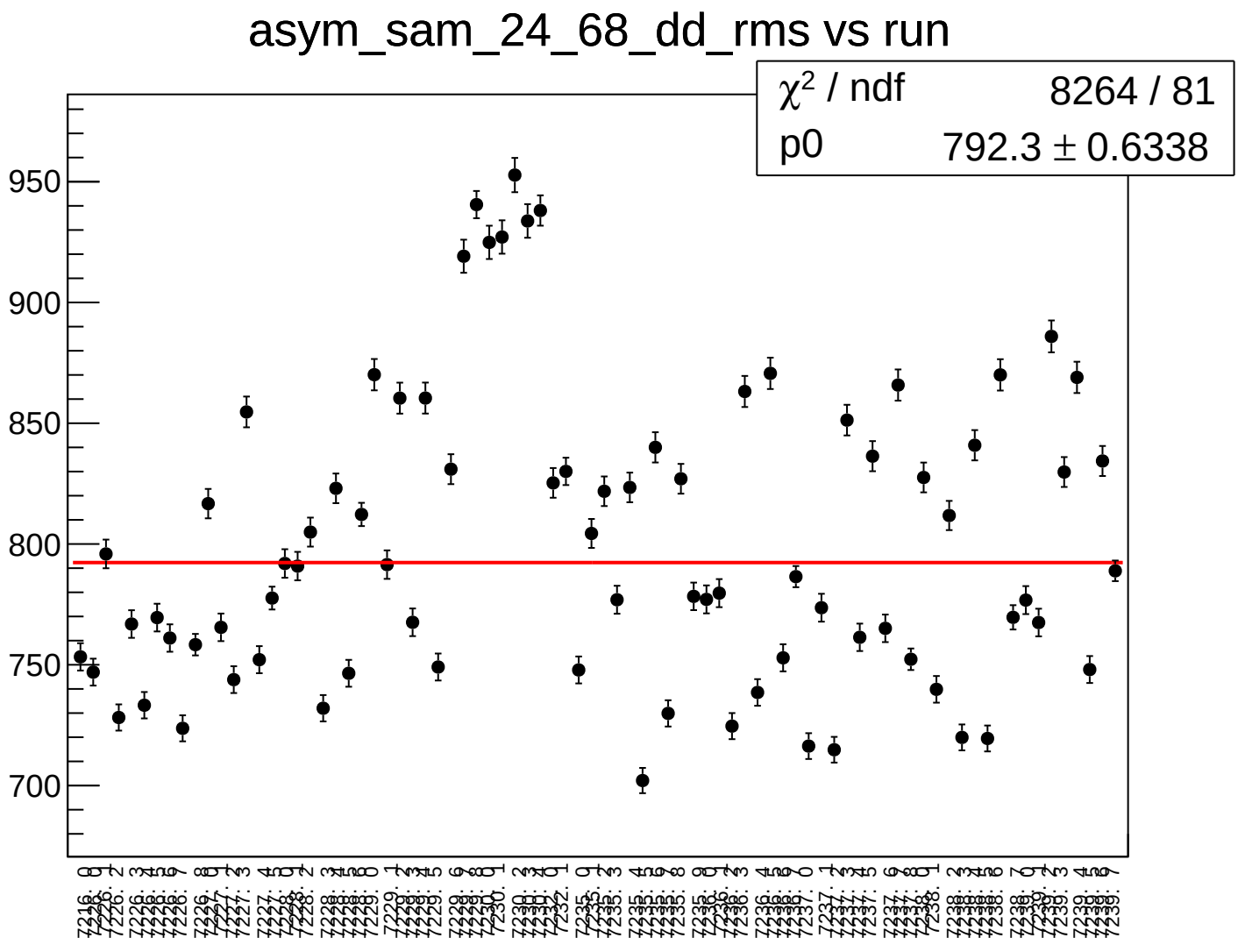

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 68.12 / 81
p0 −2122 ± 893.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 210.2
Std Dev 198
2
1
0
−1
−2

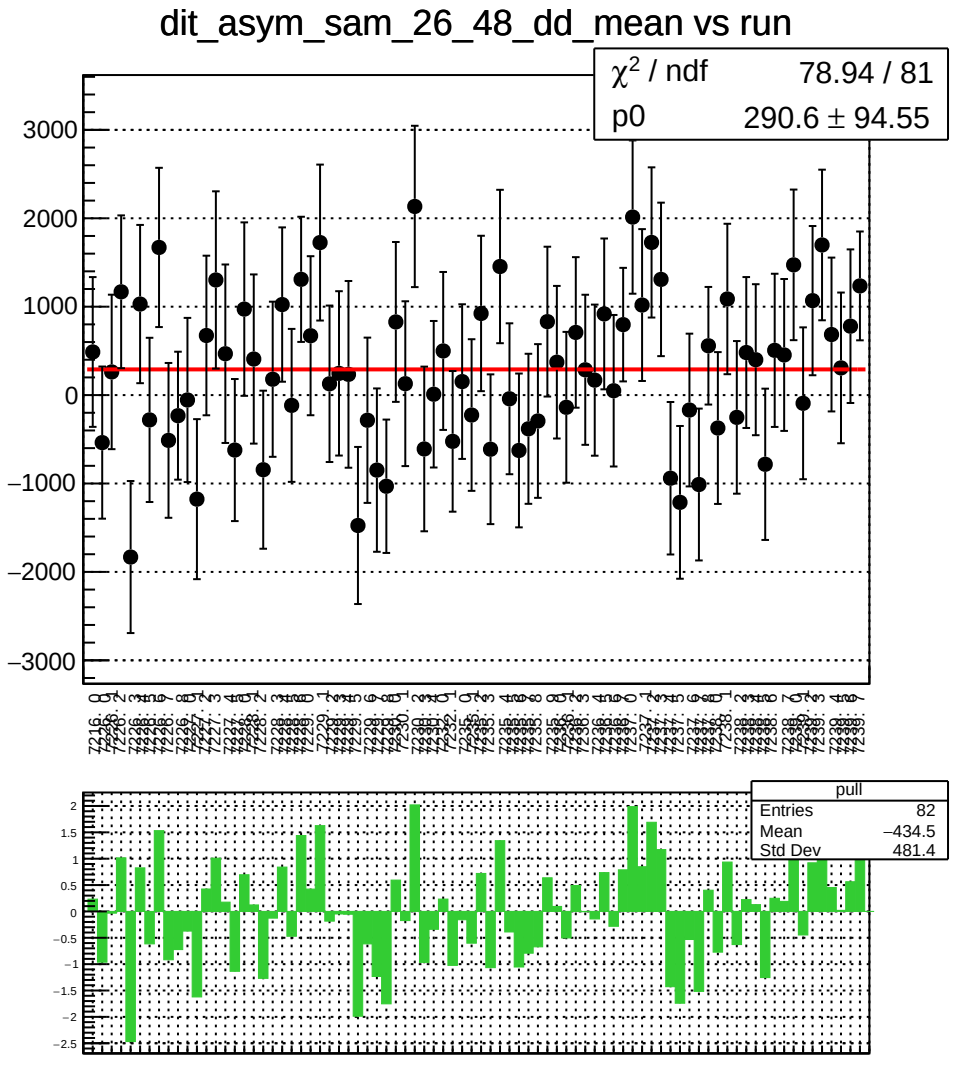

pull1D
Entries 82
Mean −0.001956
Std Dev 0.9114
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

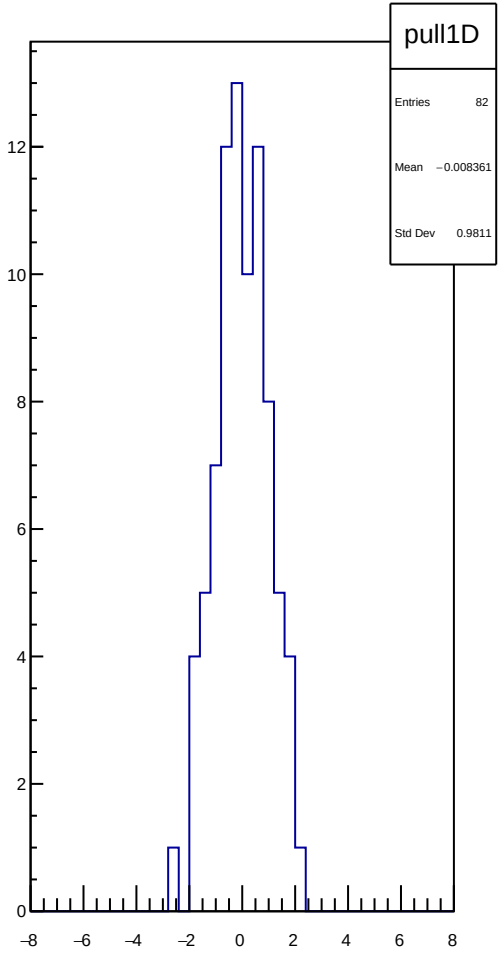

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 7938 / 81
p0 790.3 ± 0.6321
950
900
850
800
750
700

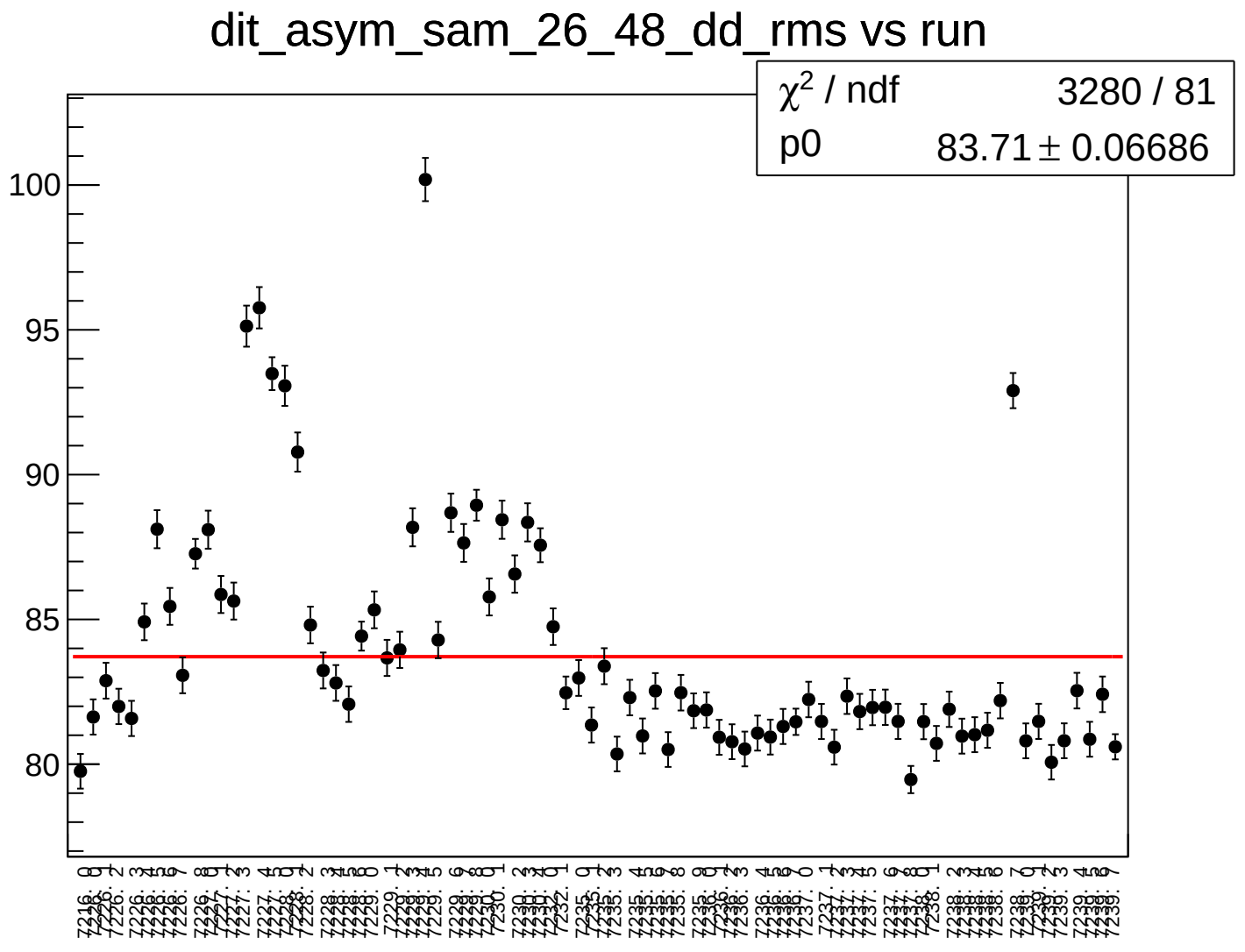

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 69.44 / 81
p0 2043 ± 896.3
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −1458
Std Dev 1484
3
2
1
0
−1
−2

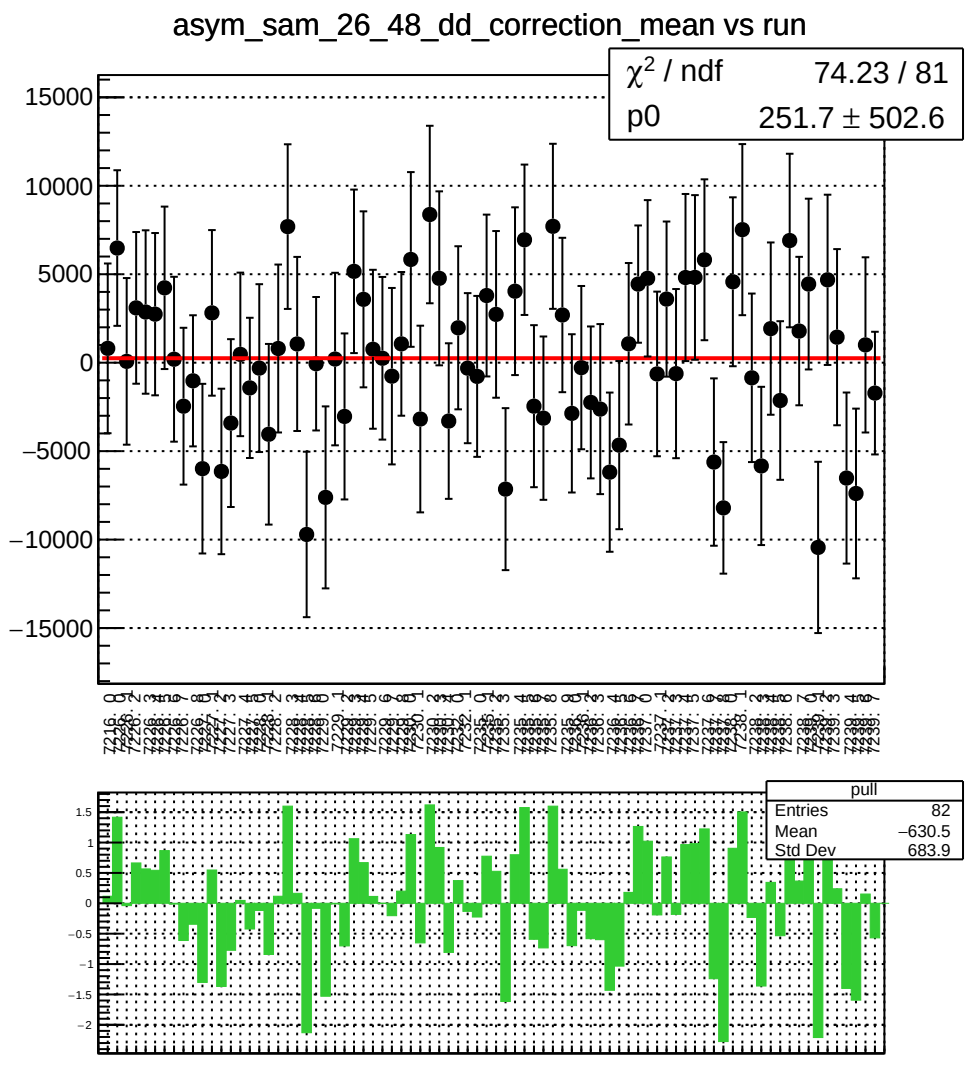

pull1D
Entries 82
Mean −0.0003379
Std Dev 0.9203
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

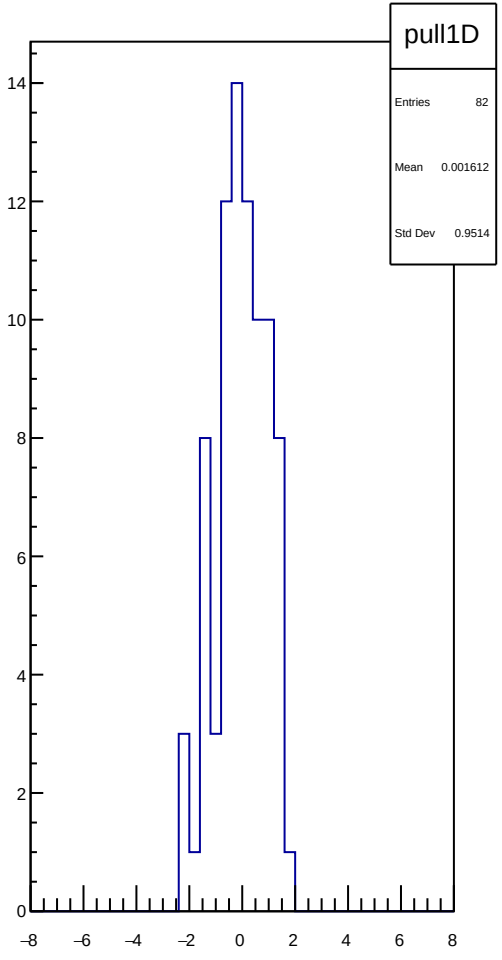

asym_sam_24_68_dd_rms vs run
χ² / ndf 8264 / 81
p0 792.3 ± 0.6338
950
900
850
800
750
700

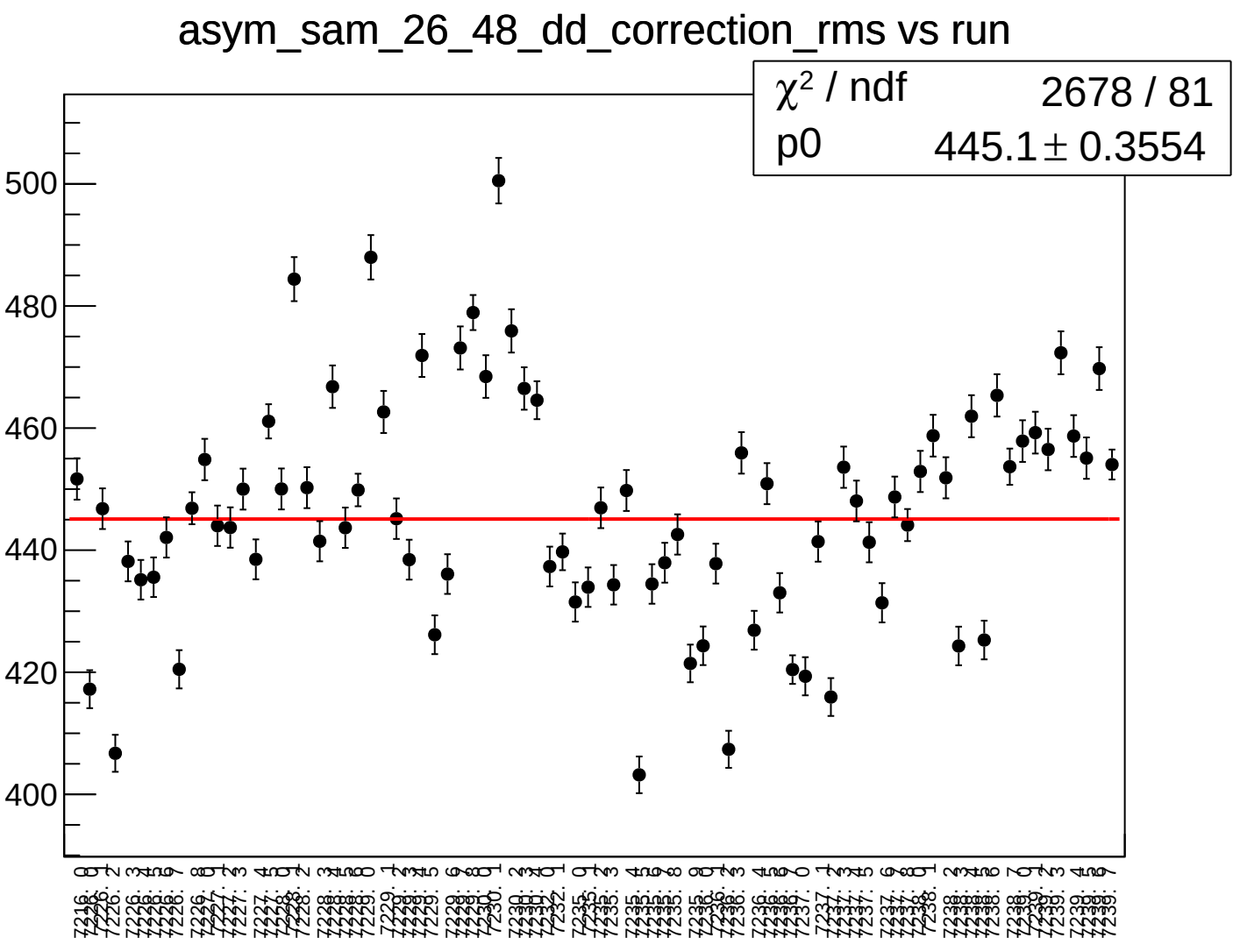

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 78.94 / 81
p0 290.6 ± 94.55
pull
Entries 82
Mean −434.5
Std Dev 481.4

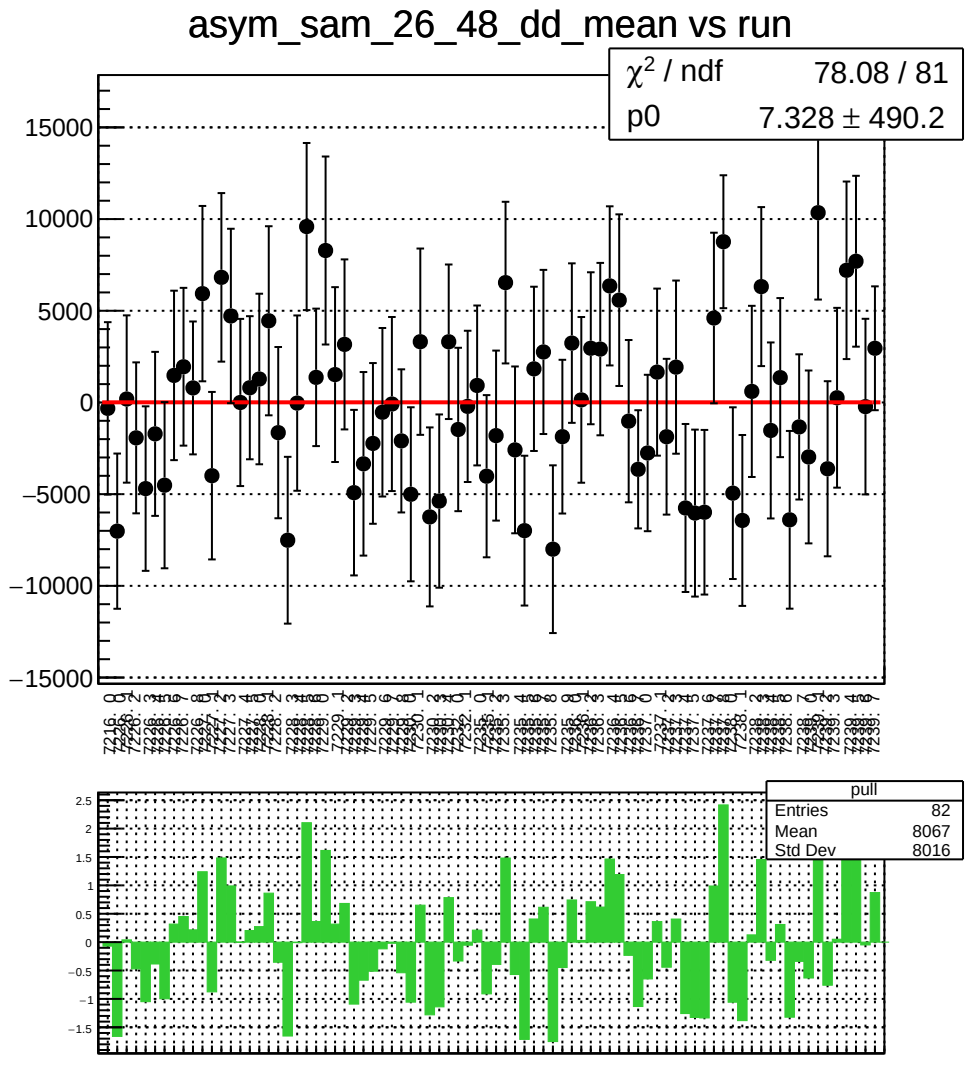

pull1D
Entries 82
Mean −0.008361
Std Dev 0.9811

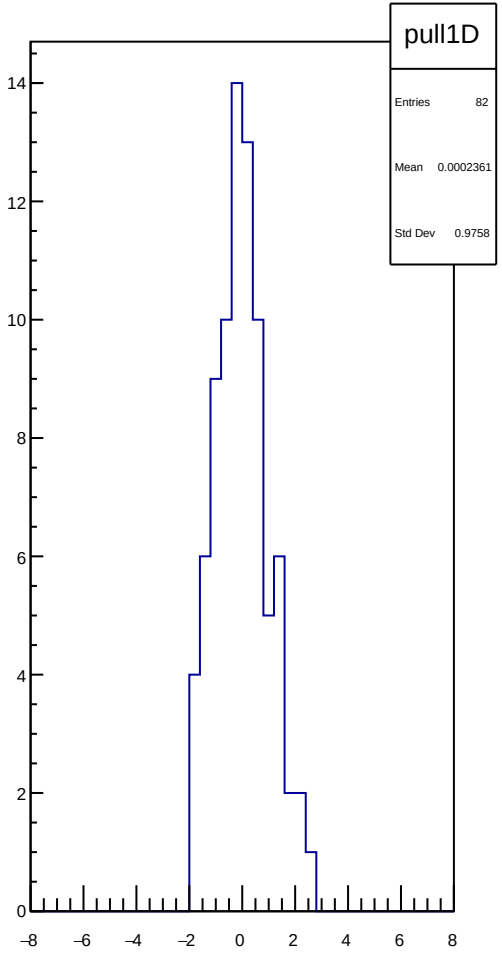

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 3280 / 81
p0 83.71 ± 0.06686
100
95
90
85
80

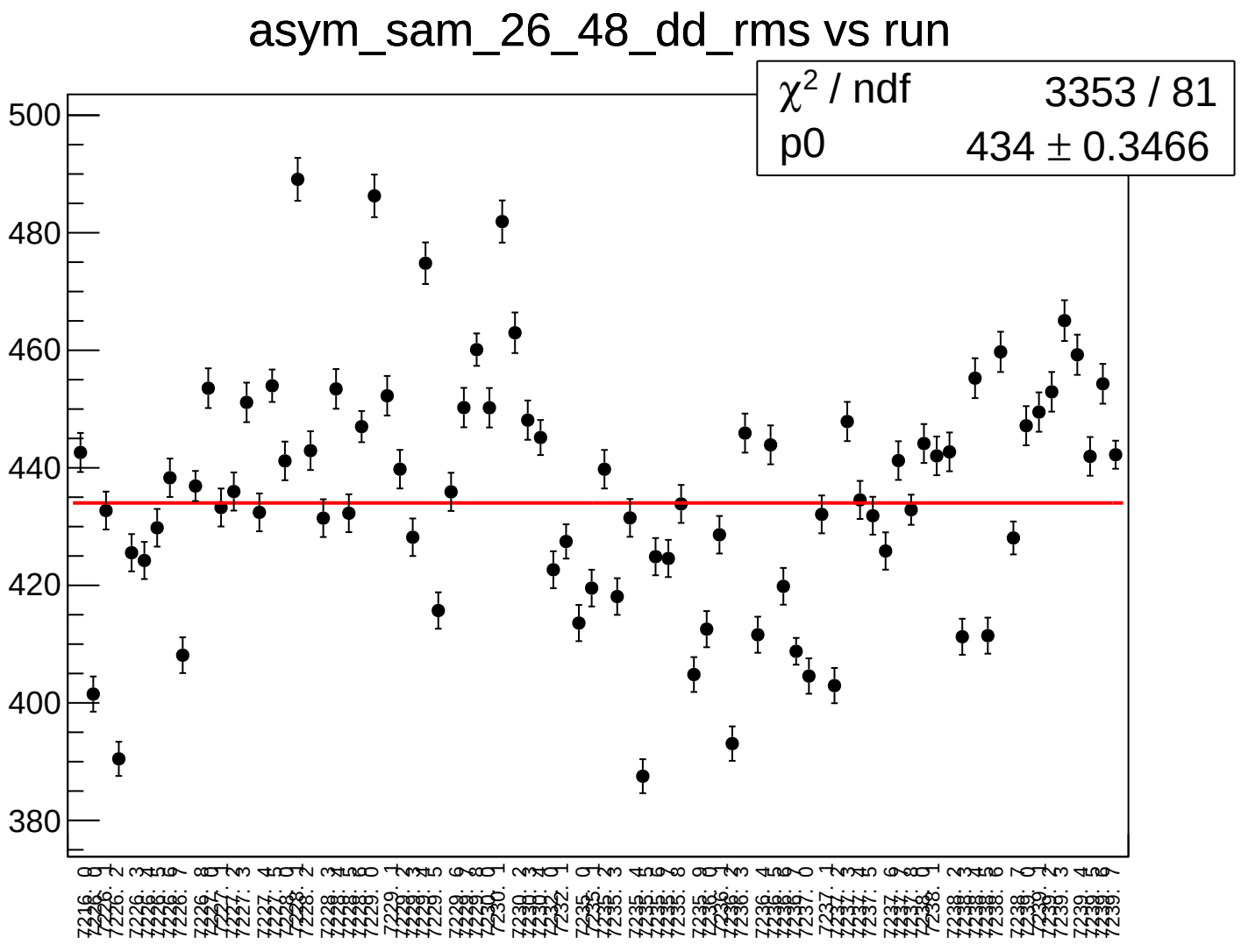

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 74.23 / 81
p0 251.7 ± 502.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −630.5
Std Dev 683.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

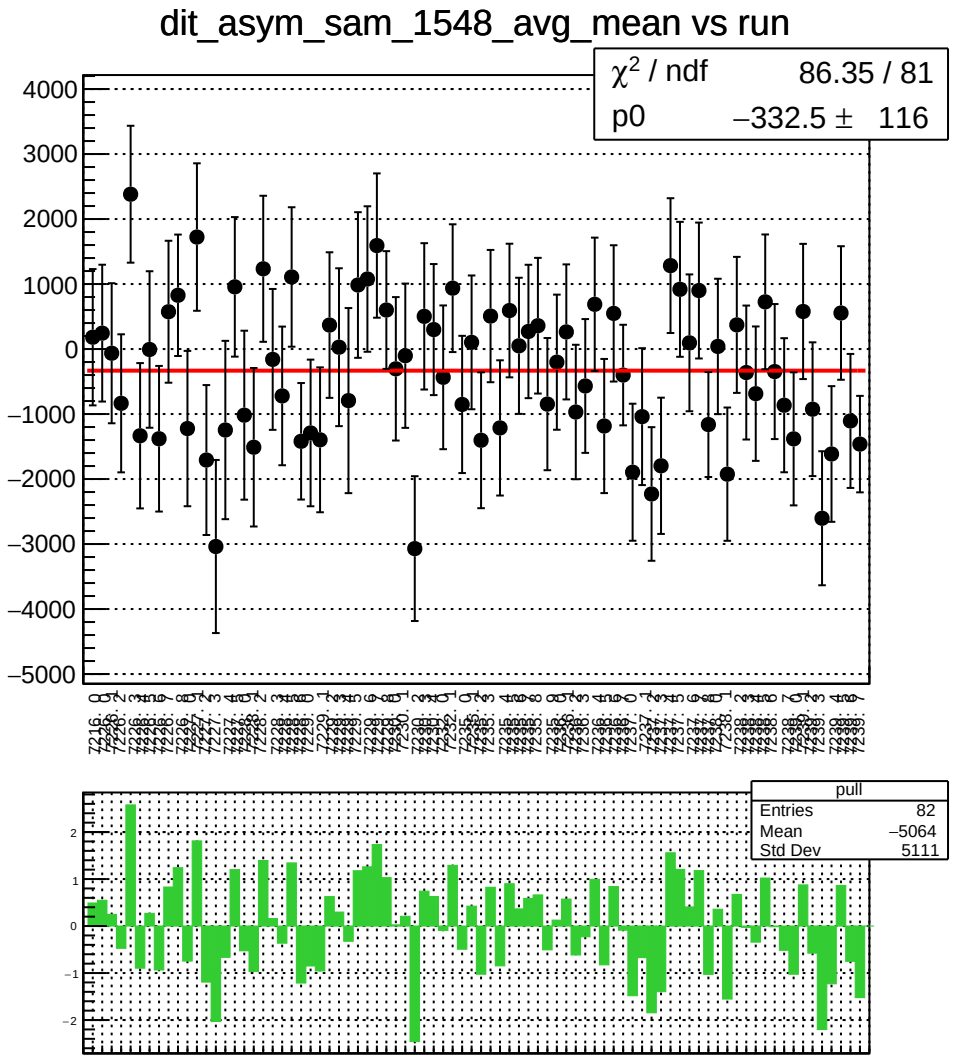

pull1D
Entries 82
Mean 0.001612
Std Dev 0.9514
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

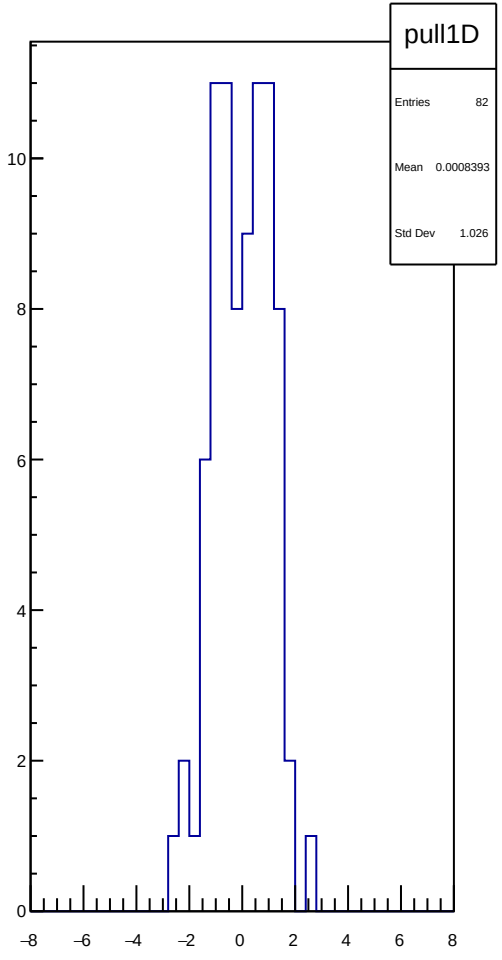

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2678 / 81
p0 445.1 ± 0.3554
500
480
460
440
420
400

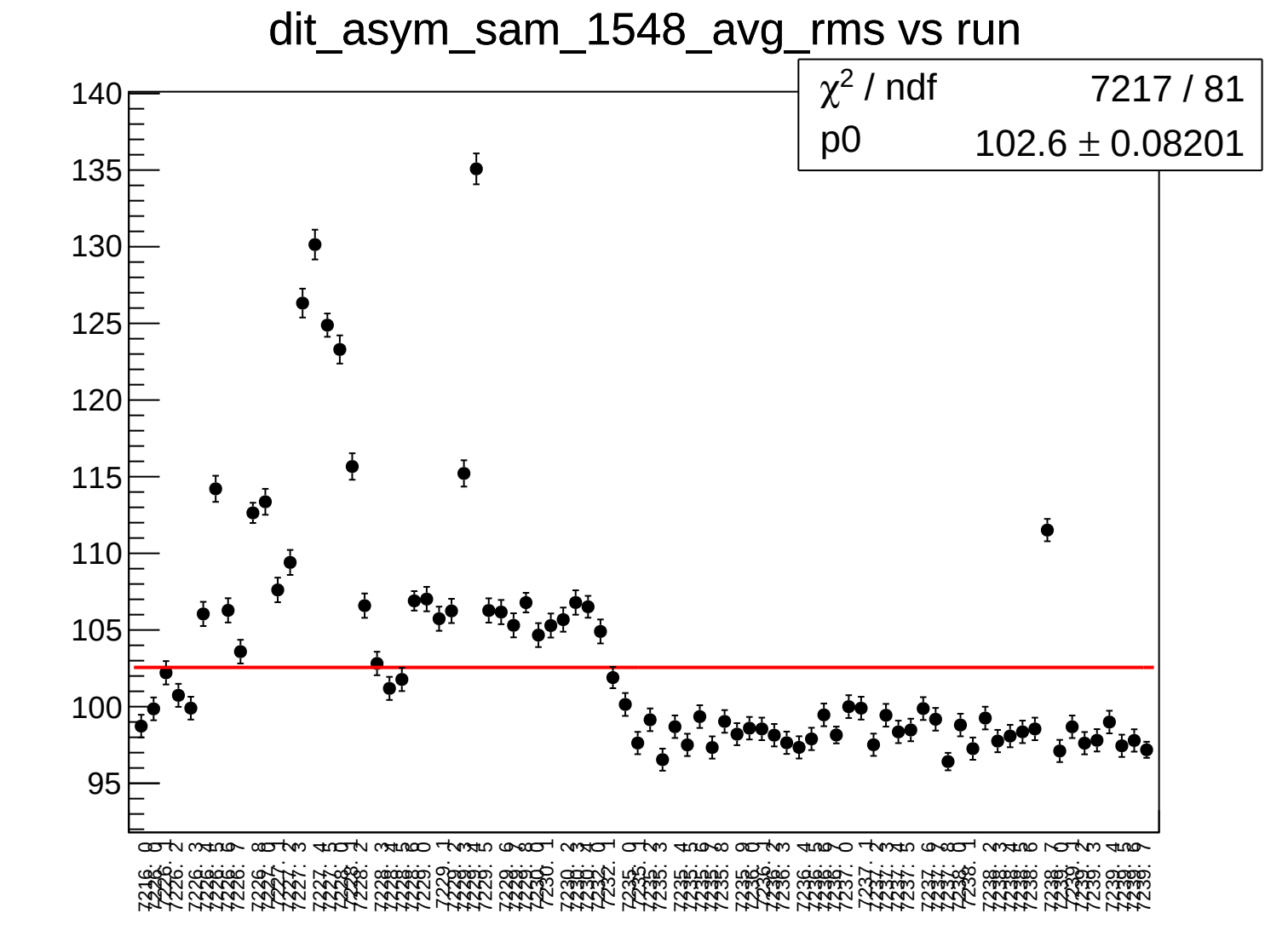

asym_sam_26_48_dd_mean vs run
χ² / ndf 78.08 / 81
p0 7.328 ± 490.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 8067
Std Dev 8016
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

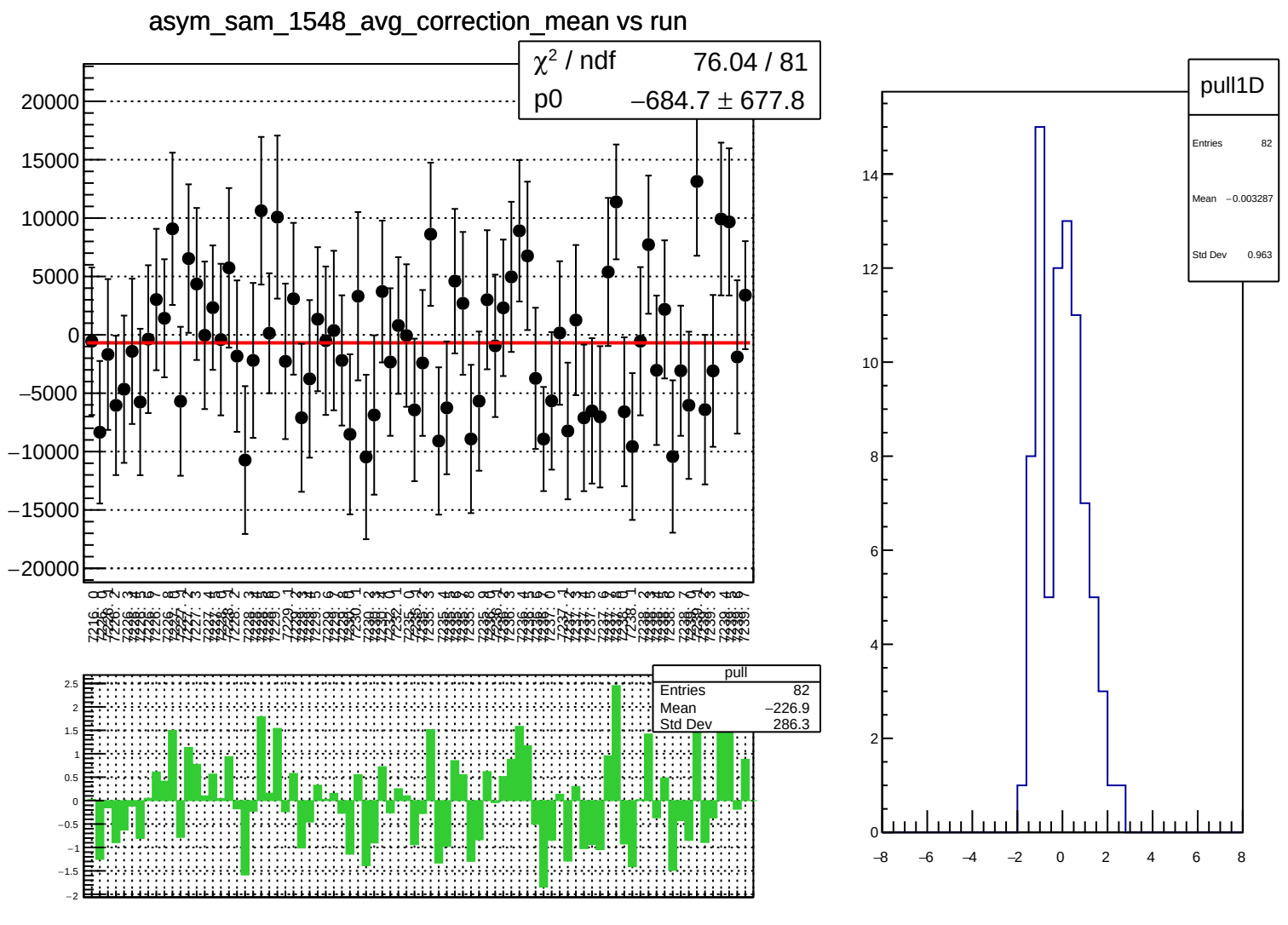

pull1D
Entries 82
Mean 0.0002361
Std Dev 0.9758
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

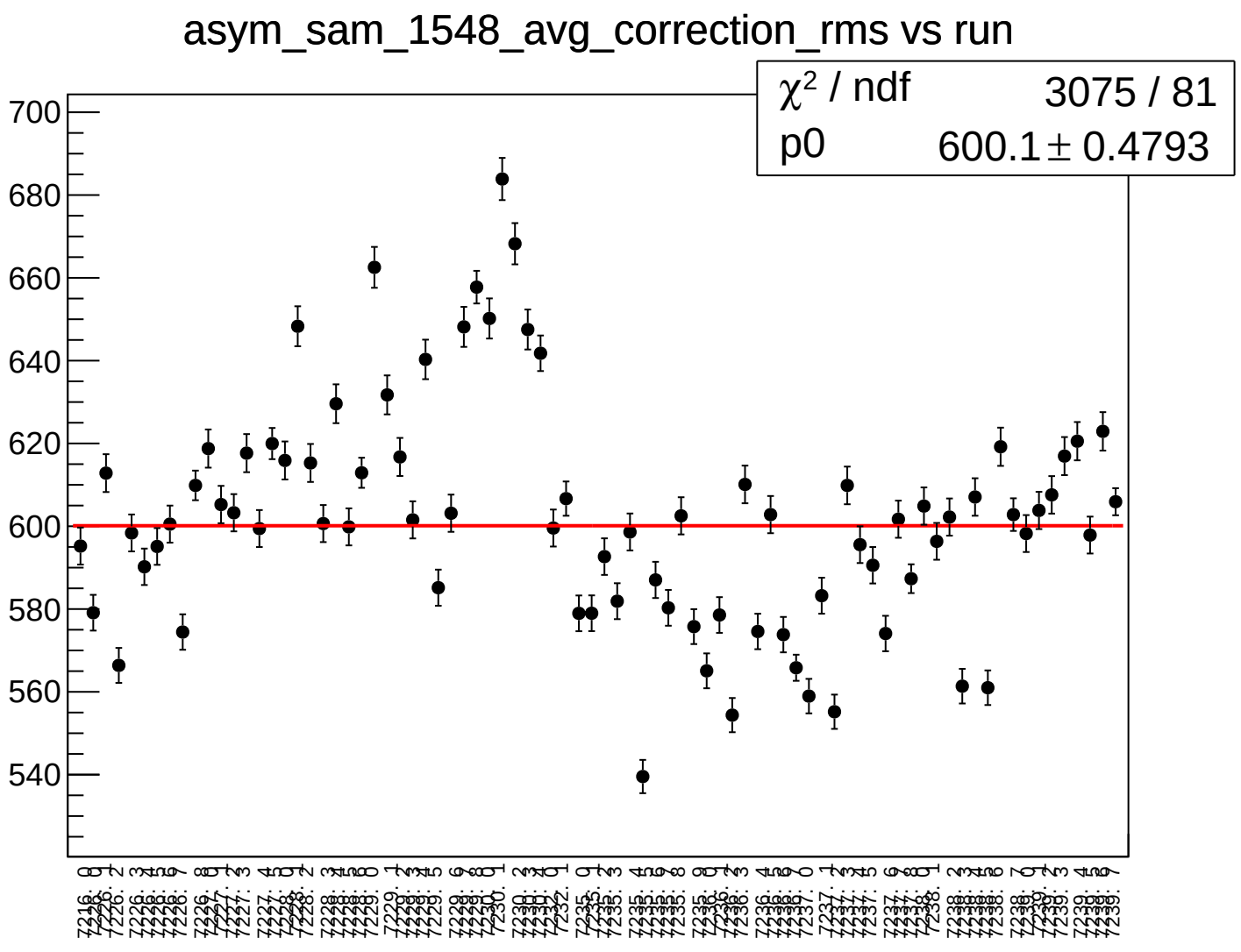

asym_sam_26_48_dd_rms vs run
χ² / ndf 3353 / 81
p0 434 ± 0.3466
500
480
460
440
420
400
380

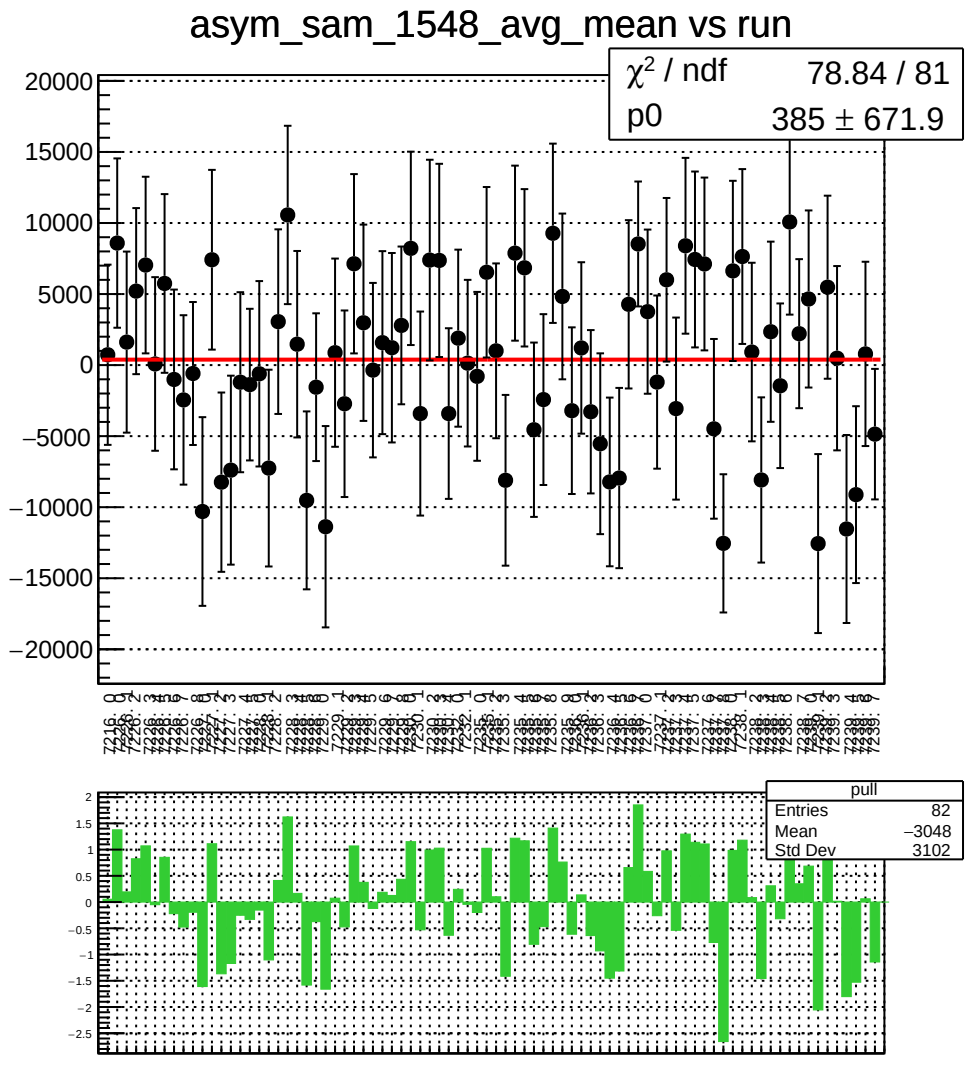

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 86.35 / 81
p0 −332.5 ± 116
pull
Entries 82
Mean −5064
Std Dev 5111

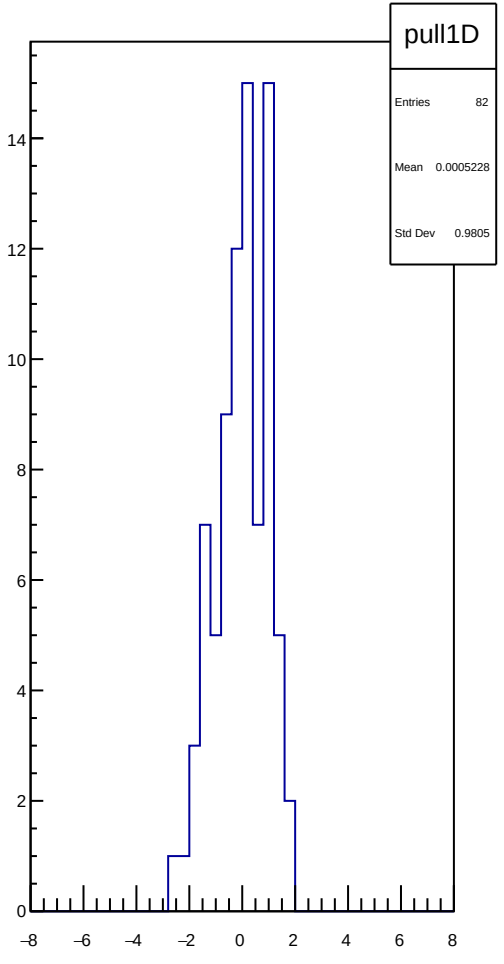

pull1D
Entries 82
Mean 0.0008393
Std Dev 1.026

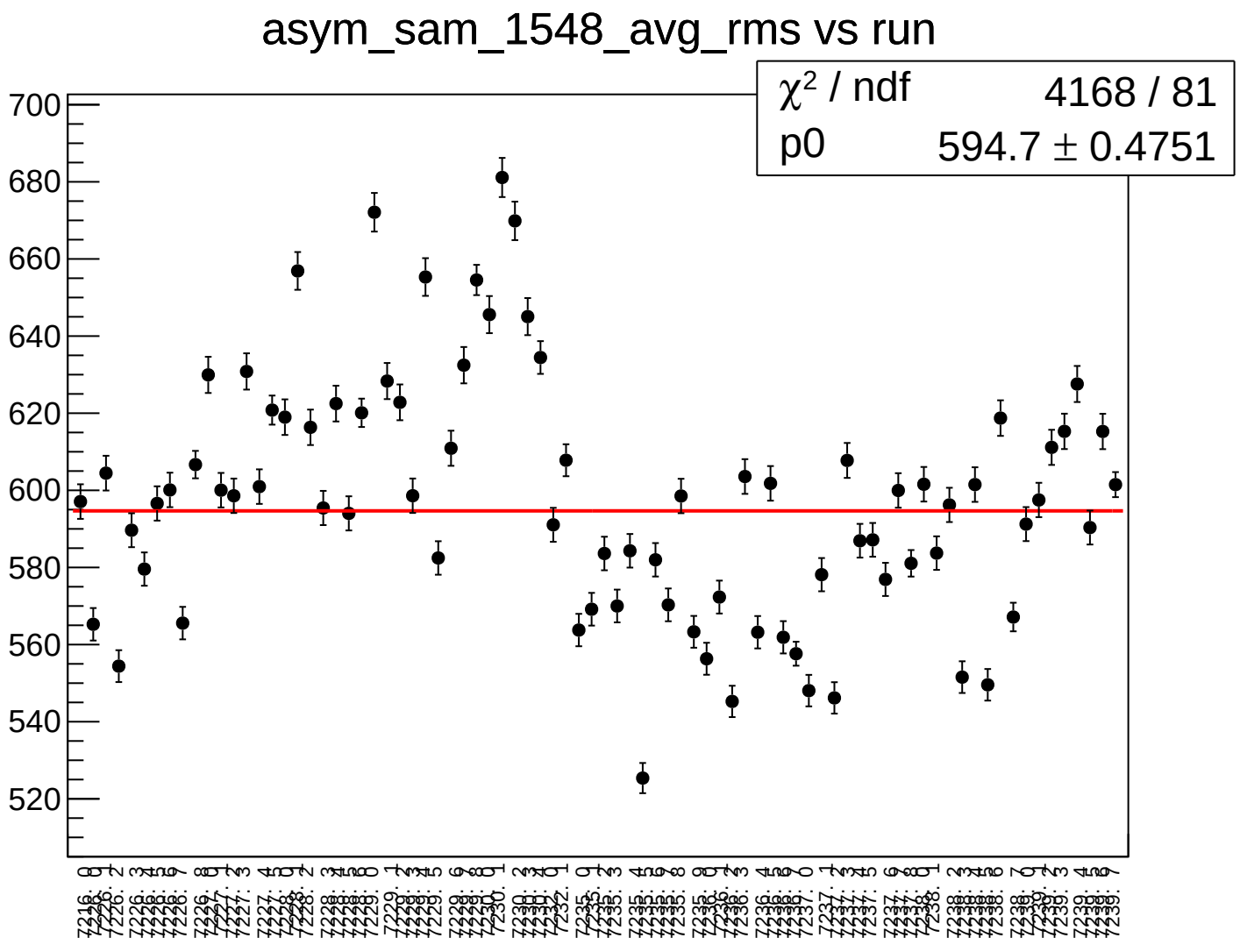

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 7217 / 81
p0 102.6 ± 0.08201
140
135
130
125
120
115
110
105
100
95

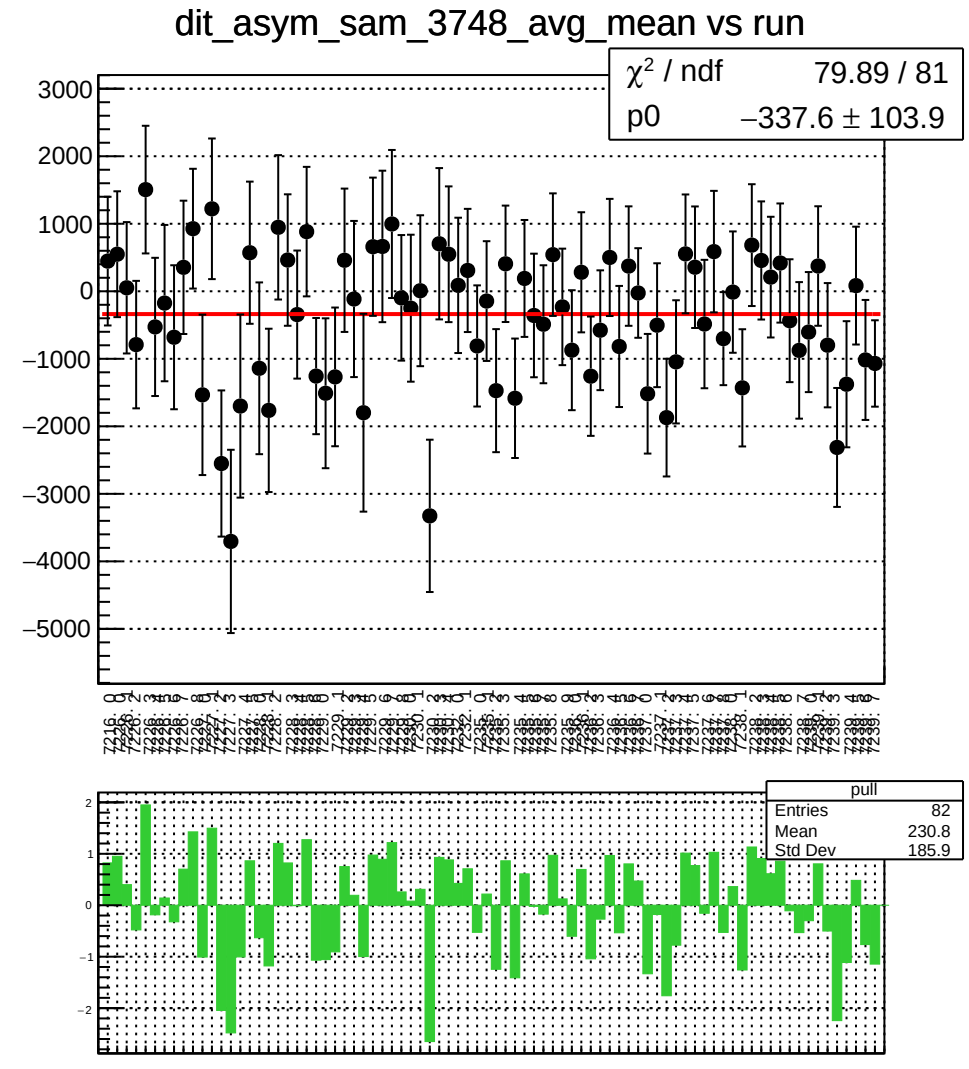

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 76.04 / 81
p0 −684.7 ± 677.8
pull
Entries 82
Mean −226.9
Std Dev 286.3
pull1D
Entries 82
Mean −0.003287
Std Dev 0.963

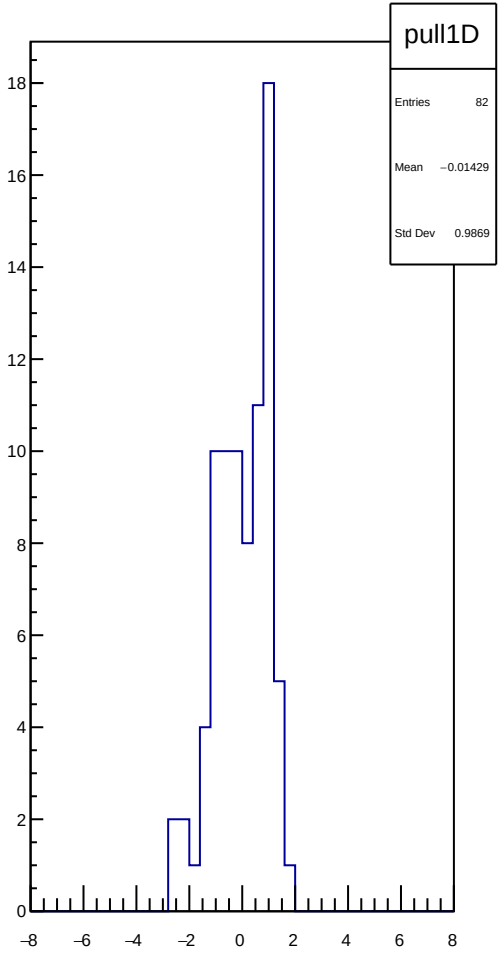

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3075 / 81
p0 600.1 ± 0.4793
700
680
660
640
620
600
580
560
540

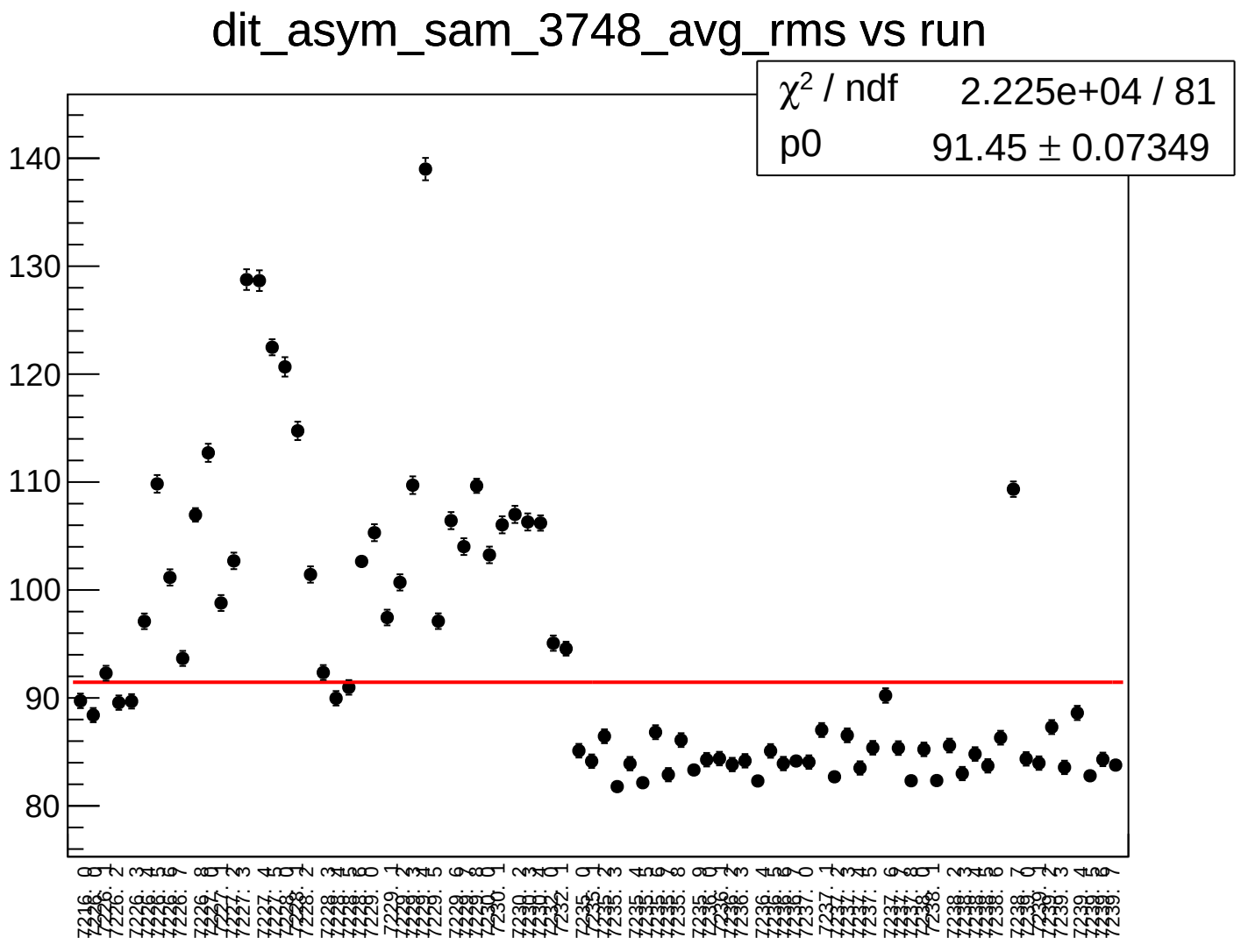

asym_sam_1548_avg_mean vs run
χ² / ndf 78.84 / 81
p0 385 ± 671.9
pull
Entries 82
Mean −3048
Std Dev 3102

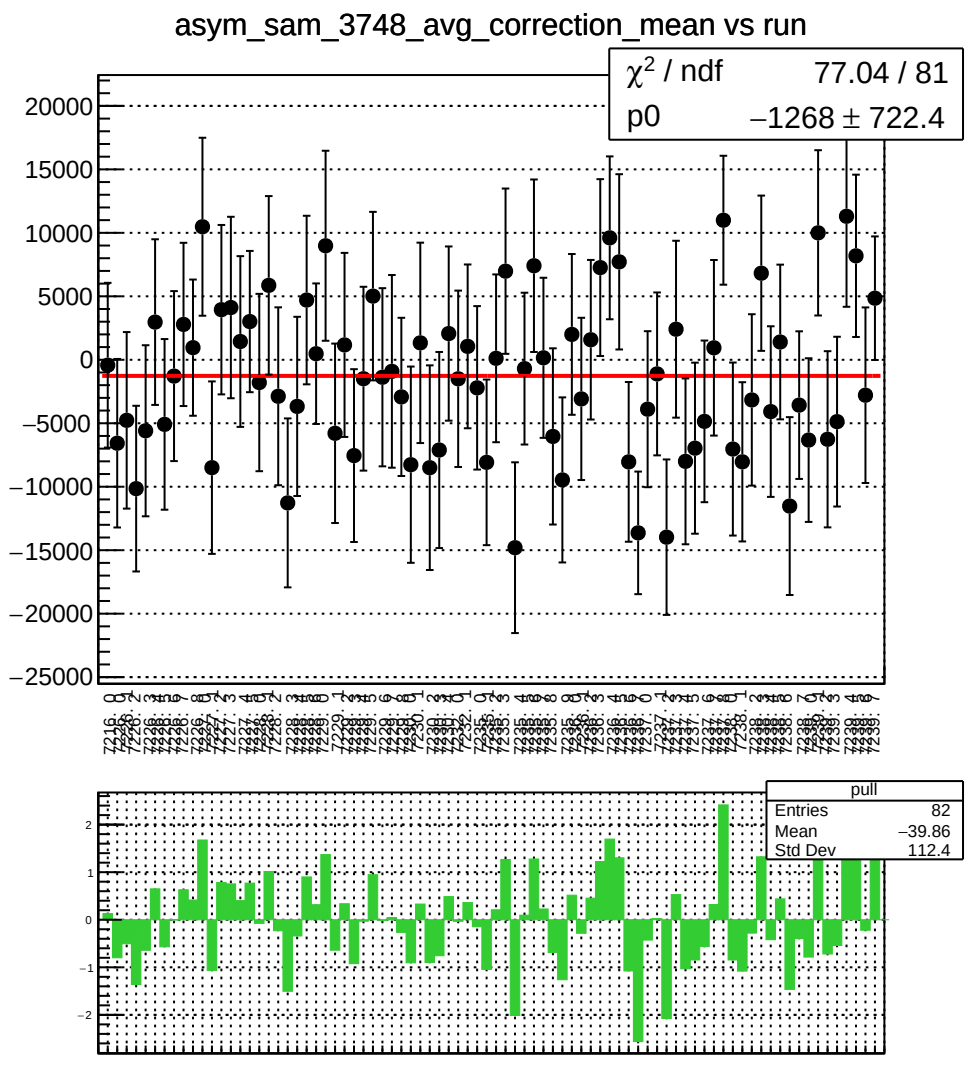

pull1D
Entries 82
Mean 0.0005228
Std Dev 0.9805

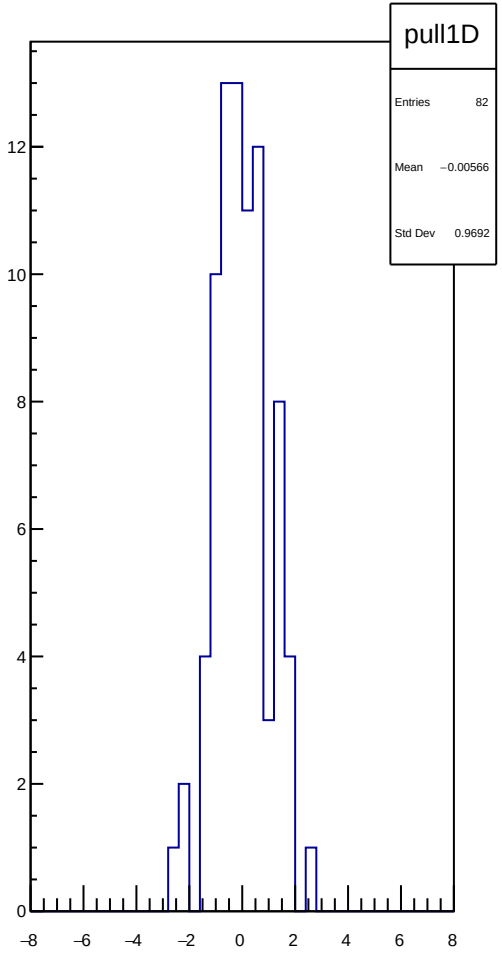

asym_sam_1548_avg_rms vs run
χ² / ndf 4168 / 81
p0 594.7 ± 0.4751
700
680
660
640
620
600
580
560
540
520

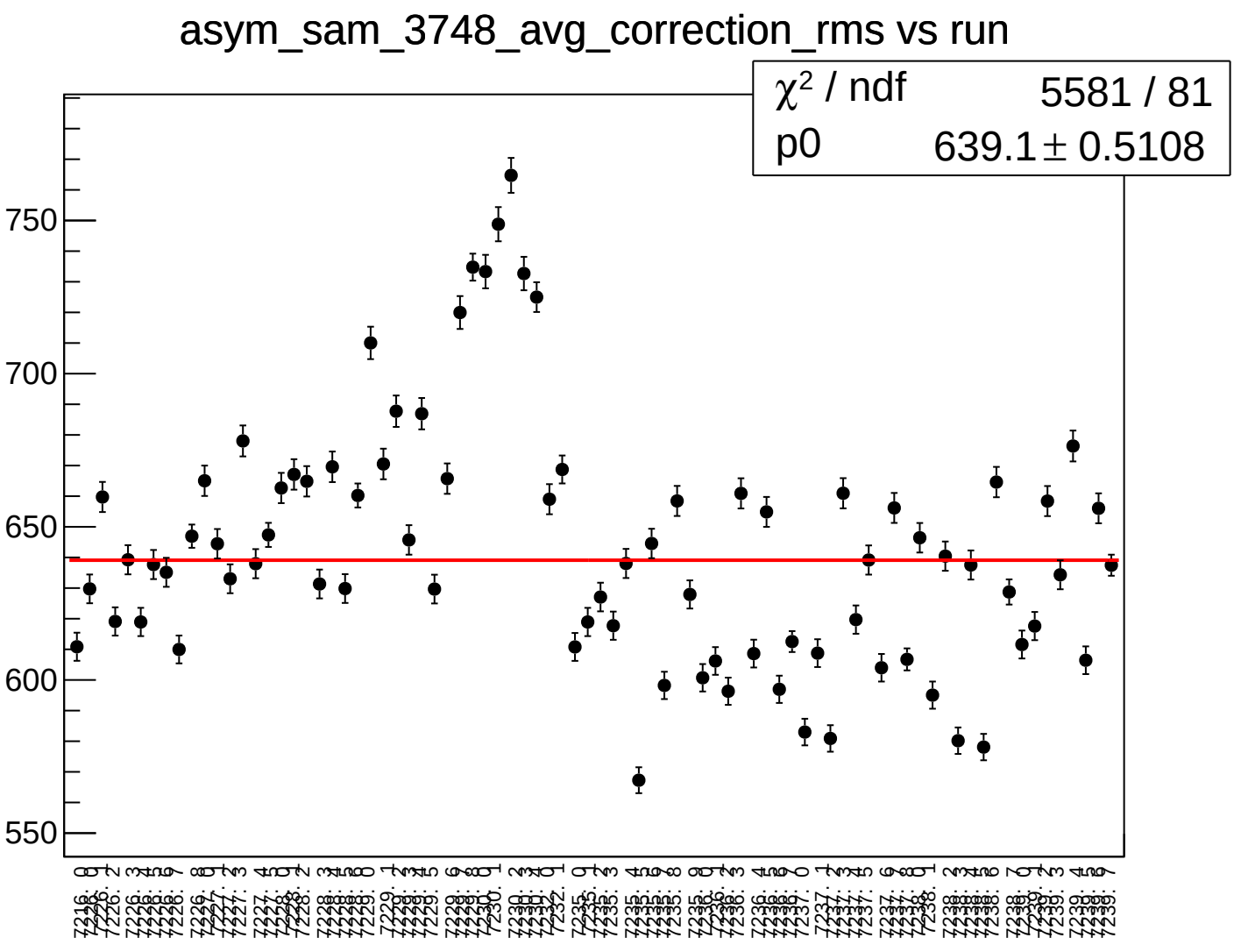

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 79.89 / 81
p0 −337.6 ± 103.9
pull
Entries 82
Mean 230.8
Std Dev 185.9

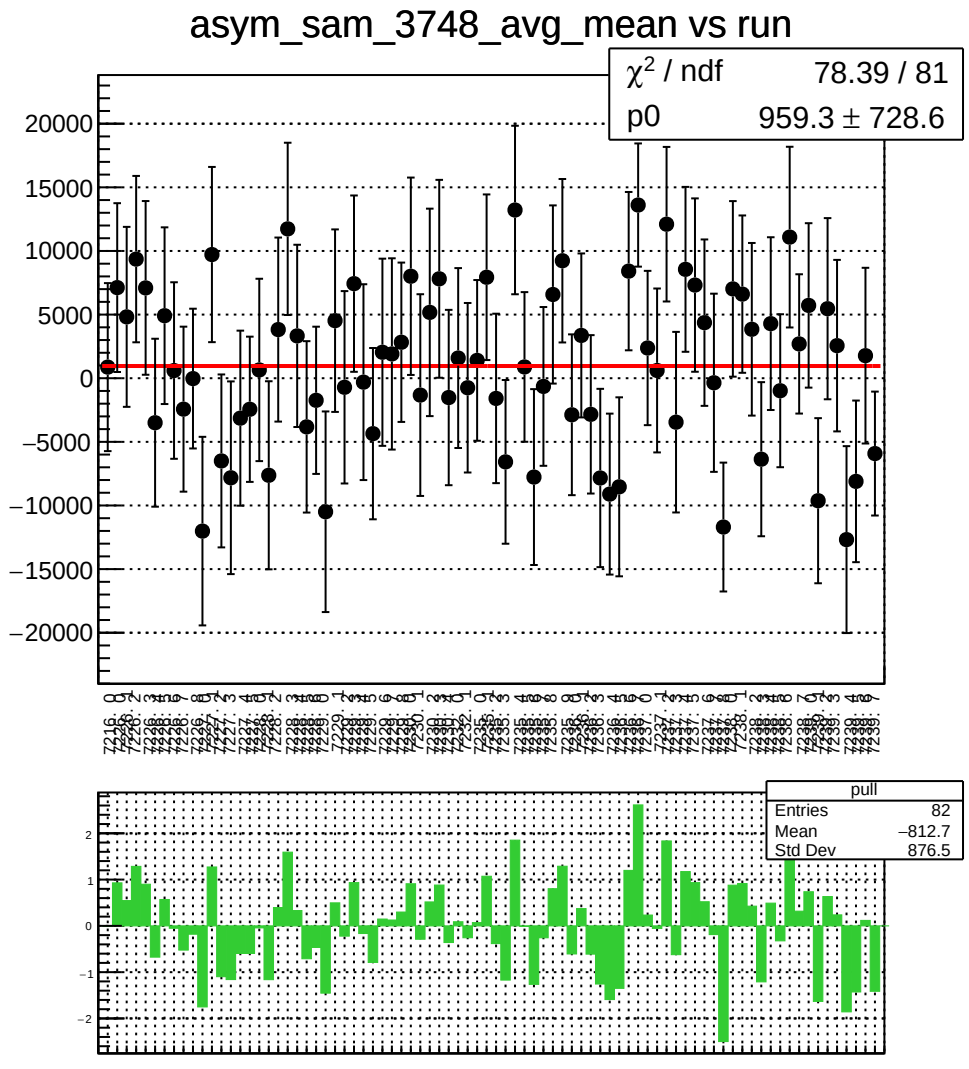

pull1D
Entries 82
Mean −0.01429
Std Dev 0.9869

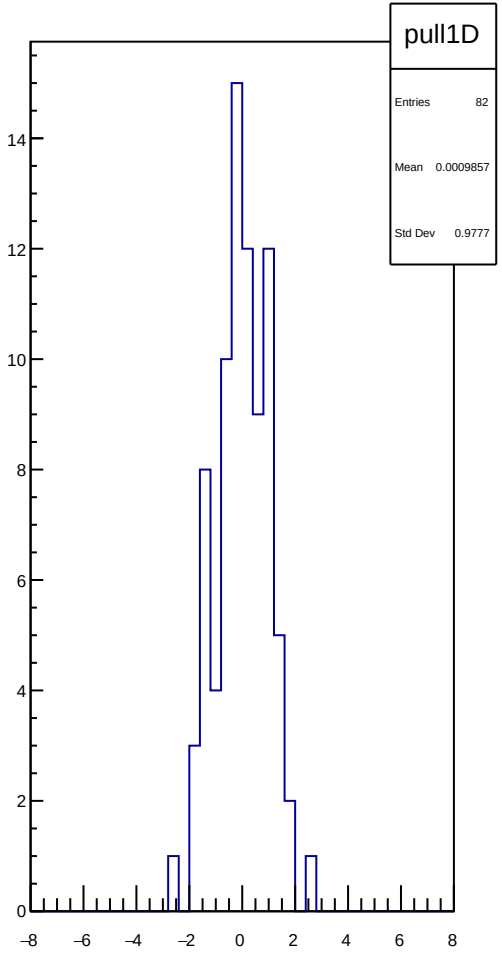

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 2.225e+04 / 81
p0 91.45 ± 0.07349
140
130
120
110
100
90
80

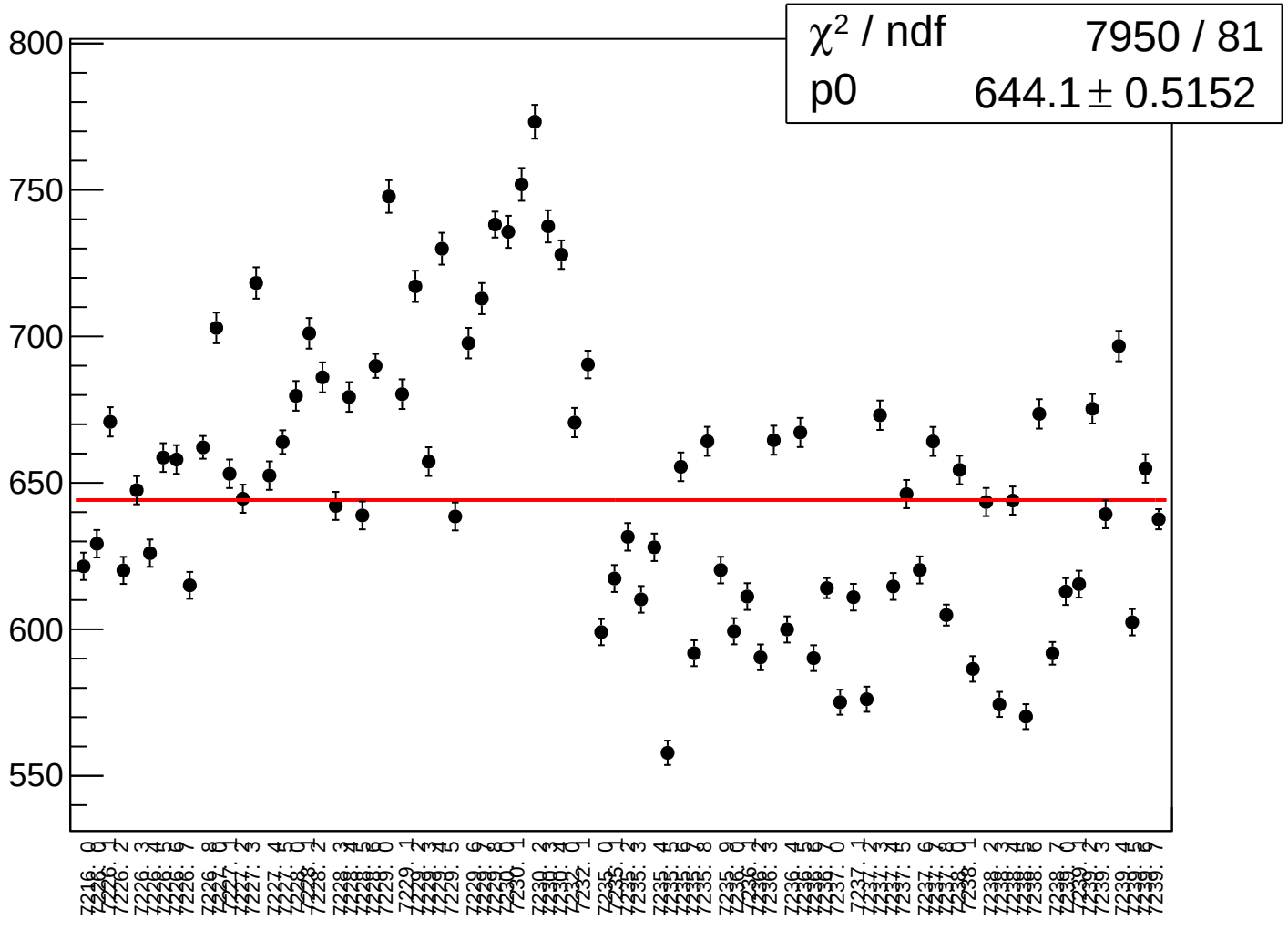

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 77.04 / 81
p0 −1268 ± 722.4
pull
Entries 82
Mean −39.86
Std Dev 112.4

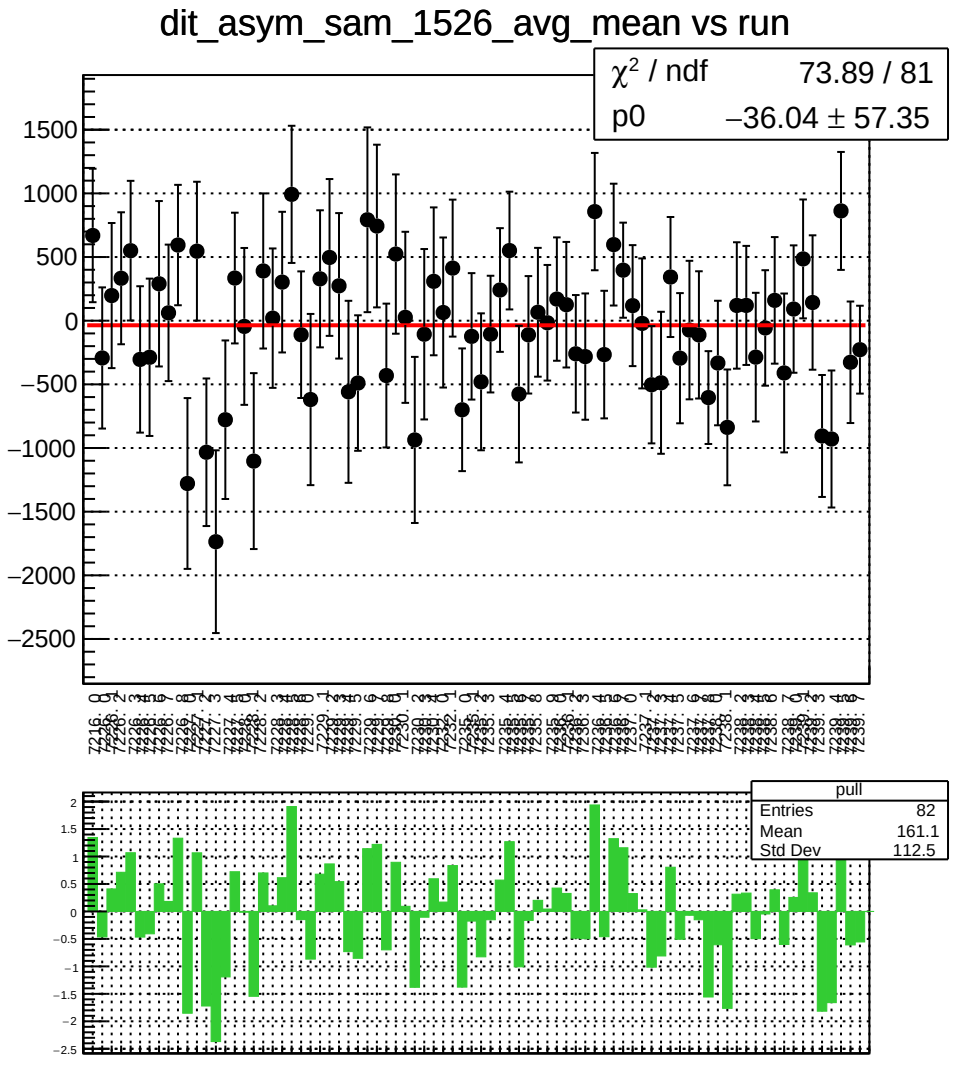

pull1D
Entries 82
Mean −0.00566
Std Dev 0.9692

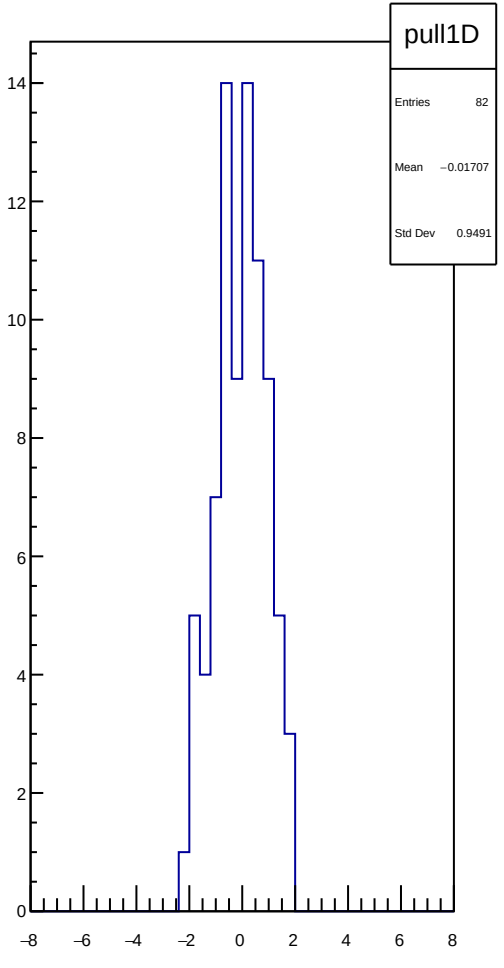

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 5581 / 81
p0 639.1 ± 0.5108
750
700
650
600
550

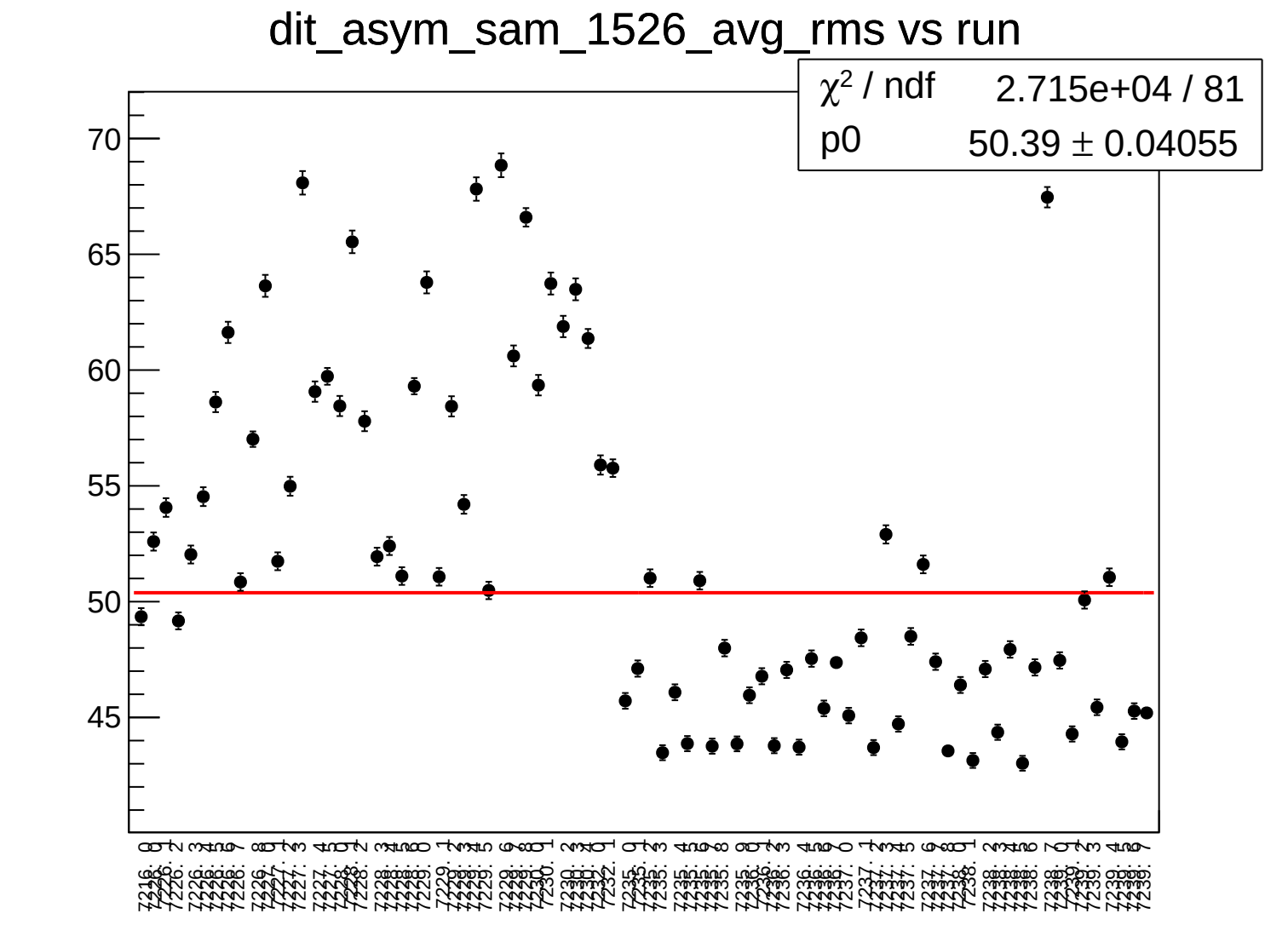

asym_sam_3748_avg_mean vs run
χ² / ndf 78.39 / 81
p0 959.3 ± 728.6
pull
Entries 82
Mean −812.7
Std Dev 876.5

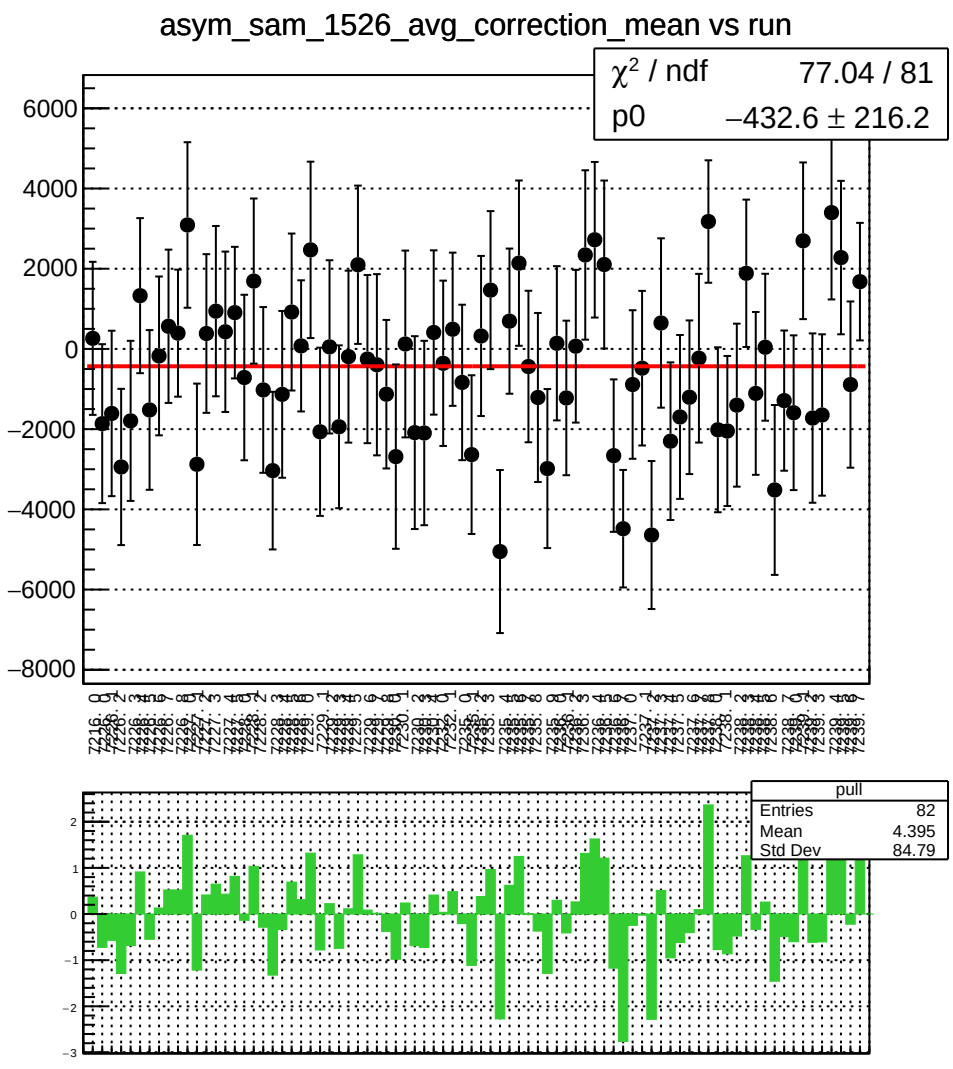

pull1D
Entries 82
Mean 0.0009857
Std Dev 0.9777

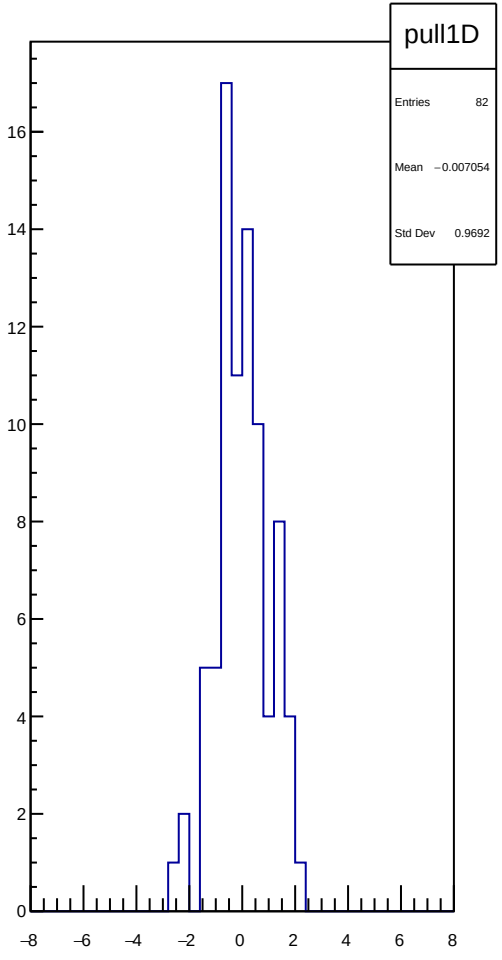

asym_sam_3748_avg_rms vs run
χ² / ndf 7950 / 81
p0 644.1 ± 0.5152
800
750
700
650
600
550

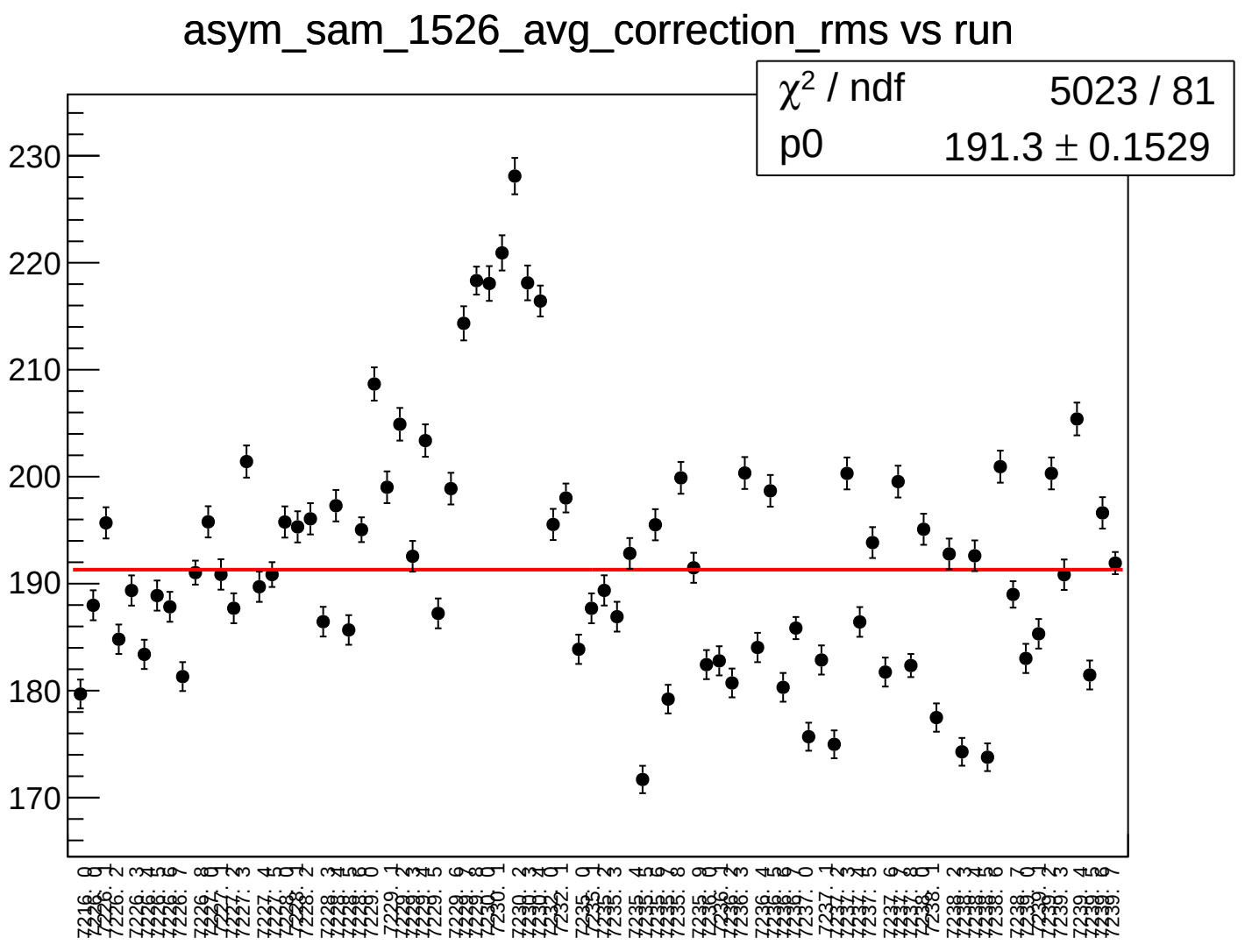

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 73.89 / 81
p0 −36.04 ± 57.35
pull
Entries 82
Mean 161.1
Std Dev 112.5

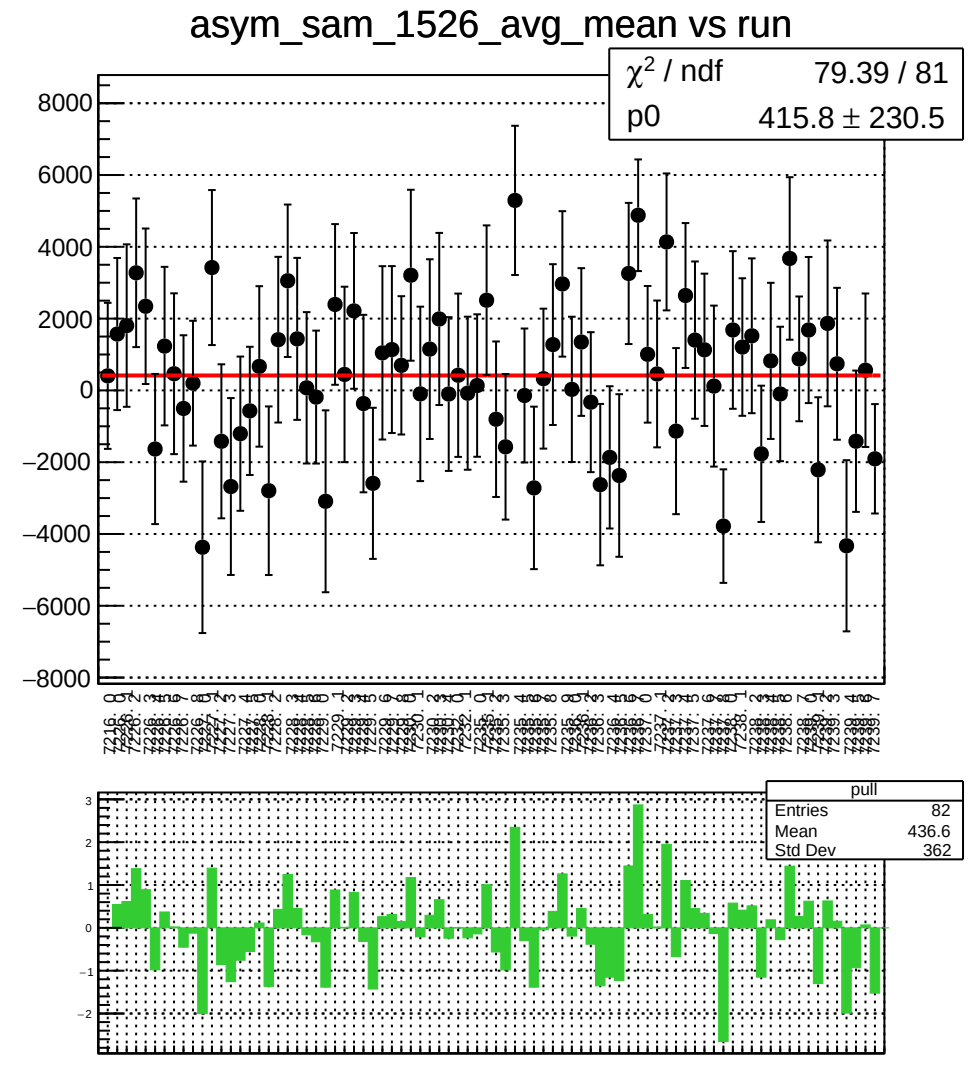

pull1D
Entries 82
Mean −0.01707
Std Dev 0.9491

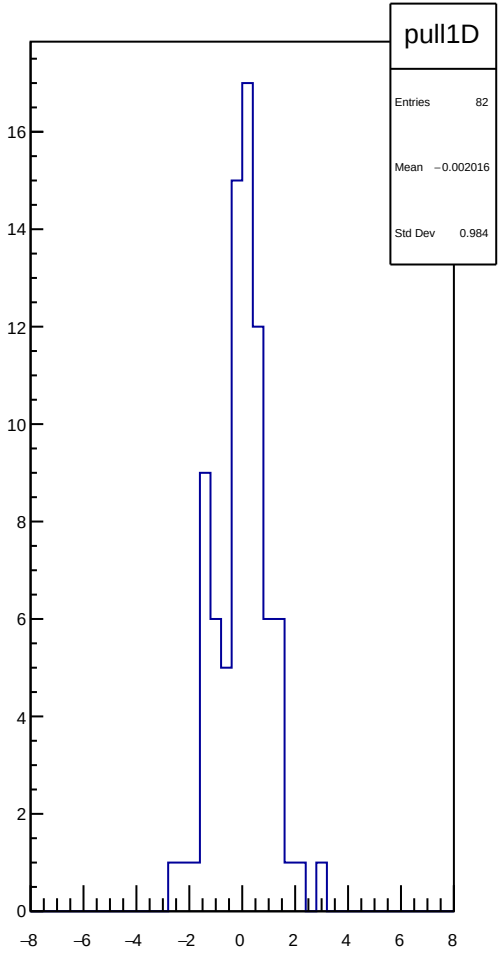

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.715e+04 / 81
p0 50.39 ± 0.04055
70
65
60
55
50
45

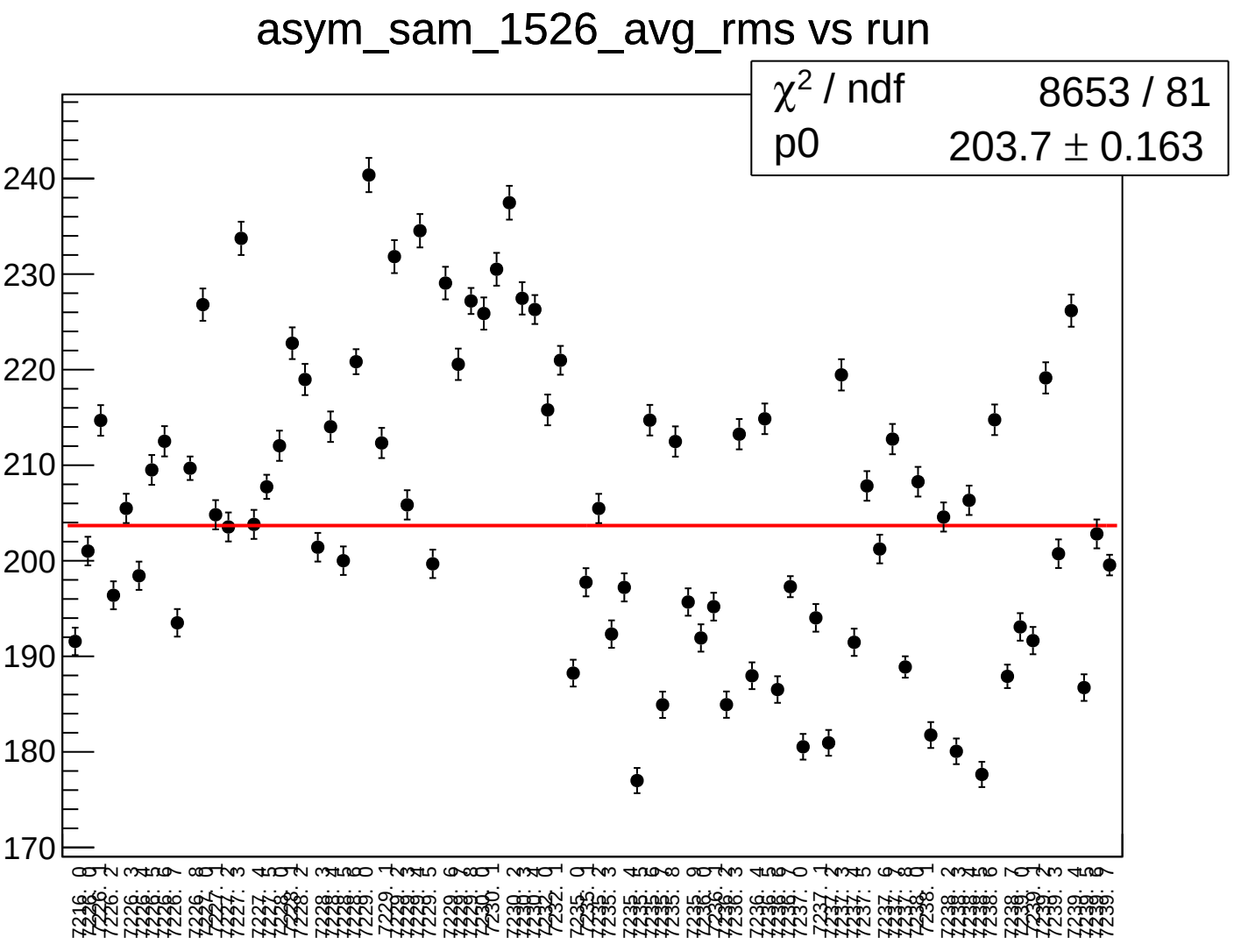

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 77.04 / 81
p0 −432.6 ± 216.2
pull
Entries 82
Mean 4.395
Std Dev 84.79

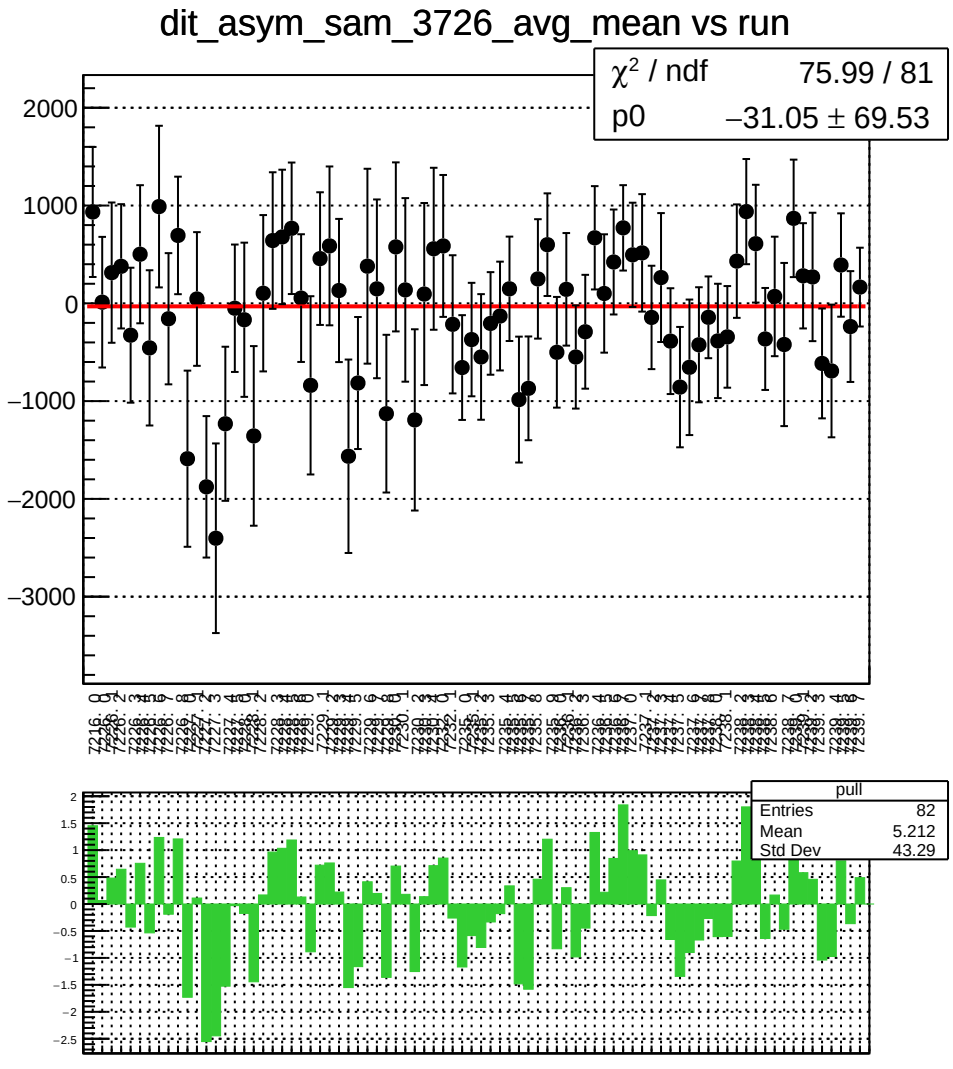

pull1D
Entries 82
Mean −0.007054
Std Dev 0.9692

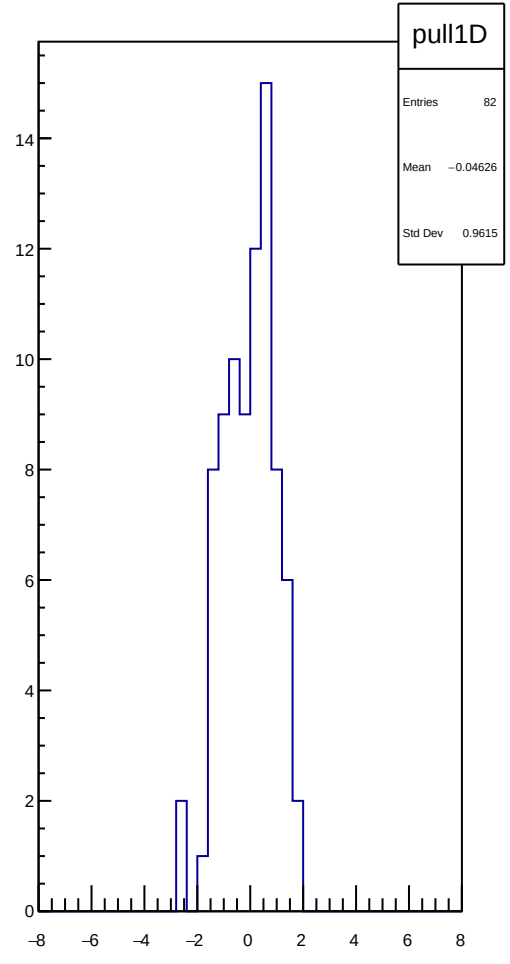

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 5023 / 81
p0 191.3 ± 0.1529
230
220
210
200
190
180
170

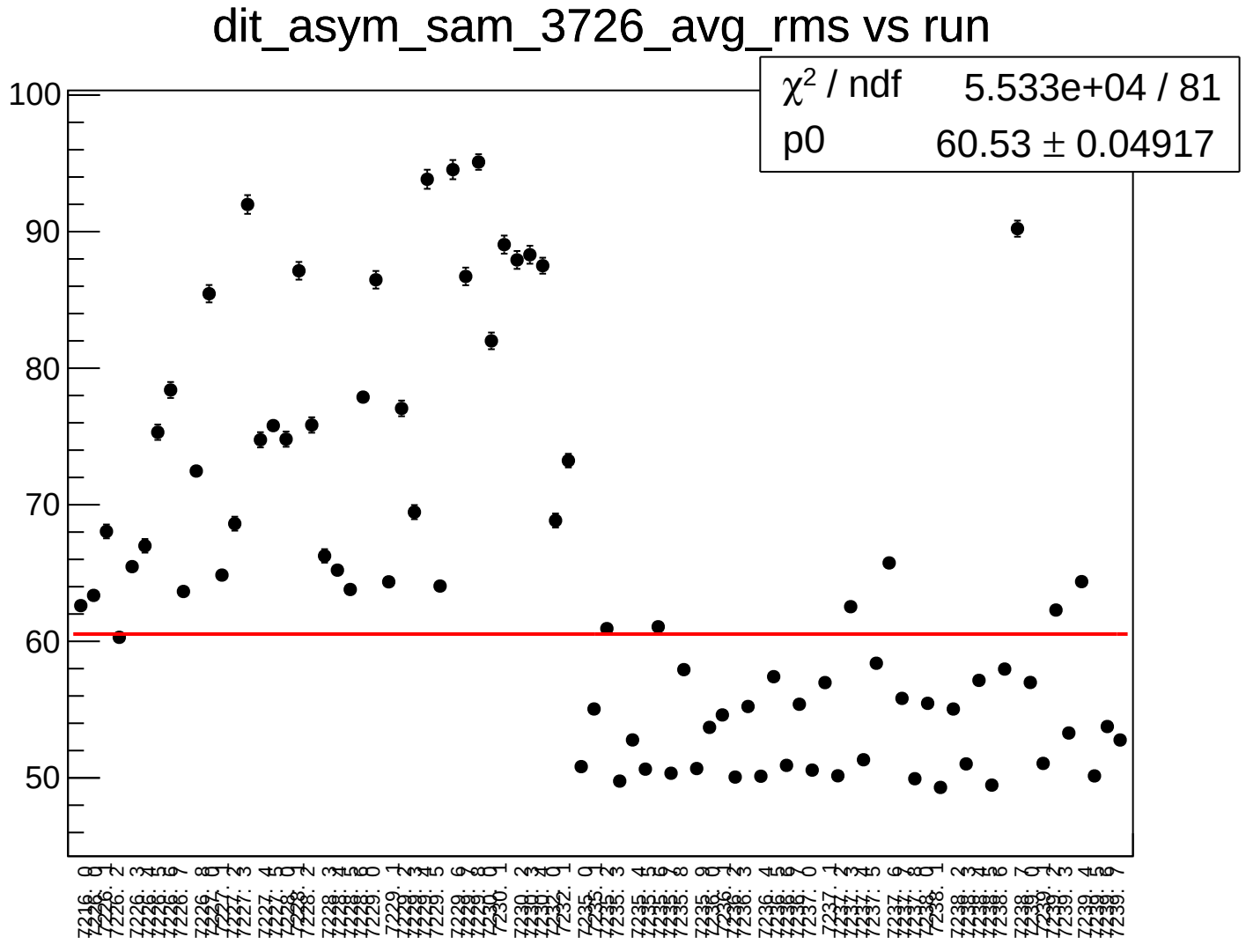

asym_sam_1526_avg_mean vs run
χ² / ndf 79.39 / 81
p0 415.8 ± 230.5
pull
Entries 82
Mean 436.6
Std Dev 362

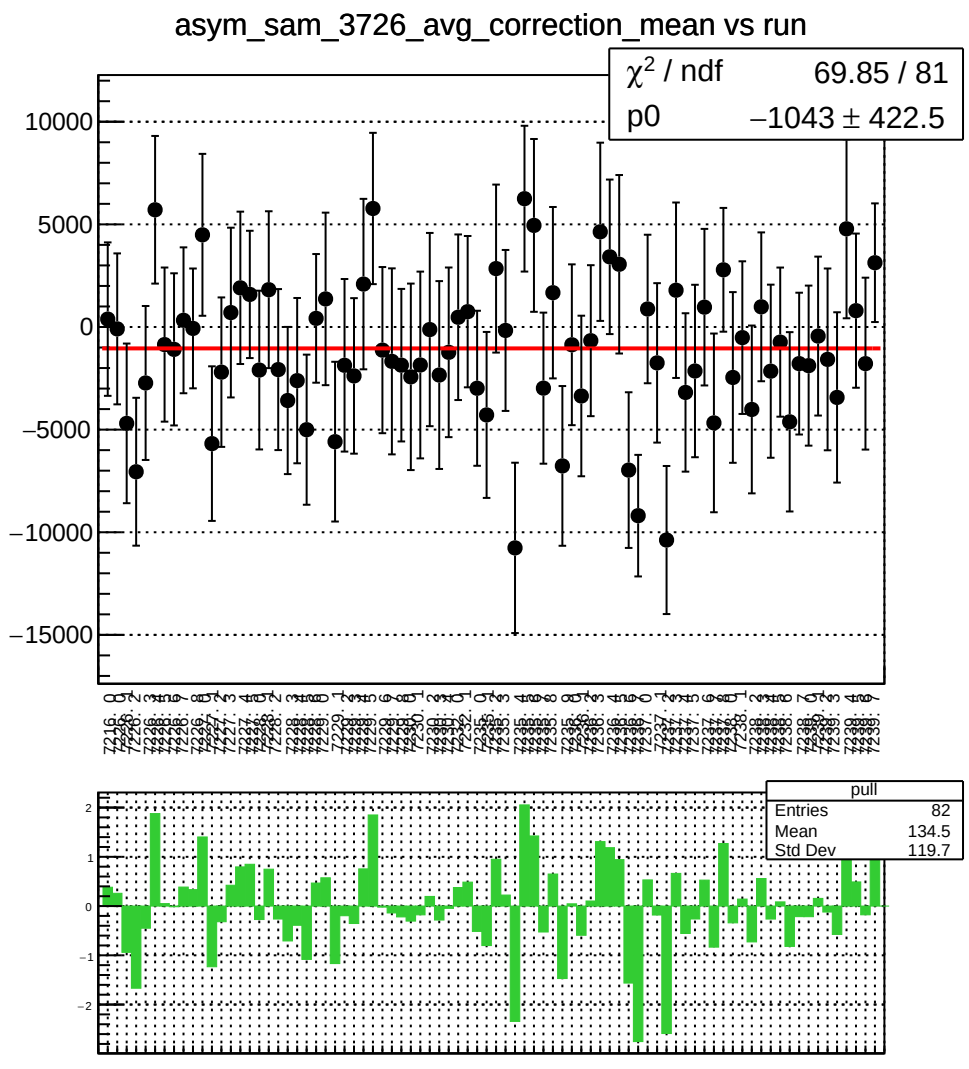

pull1D
Entries 82
Mean −0.002016
Std Dev 0.984

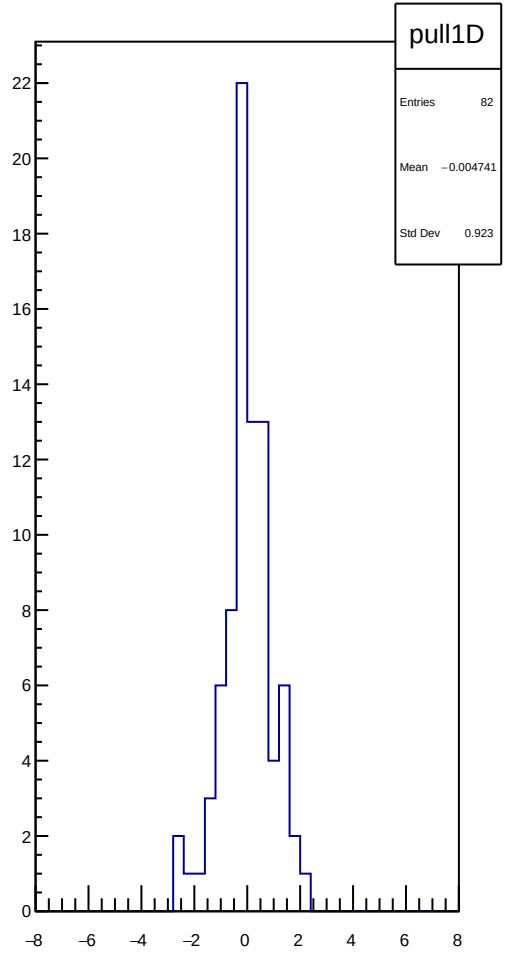

asym_sam_1526_avg_rms vs run
χ² / ndf 8653 / 81
p0 203.7 ± 0.163
240
230
220
210
200
190
180
170

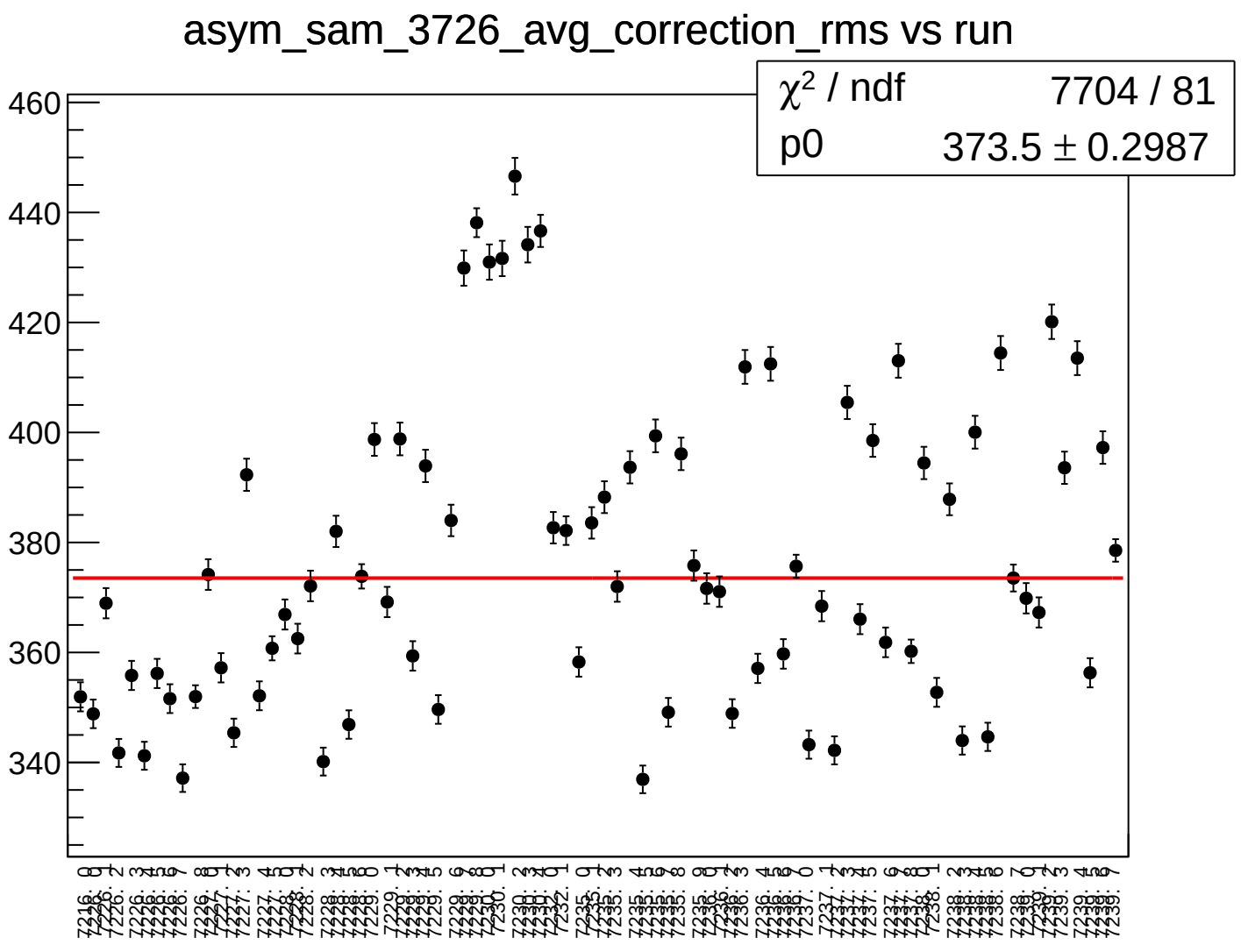

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 75.99 / 81
p0 −31.05 ± 69.53
pull
Entries 82
Mean 5.212
Std Dev 43.29

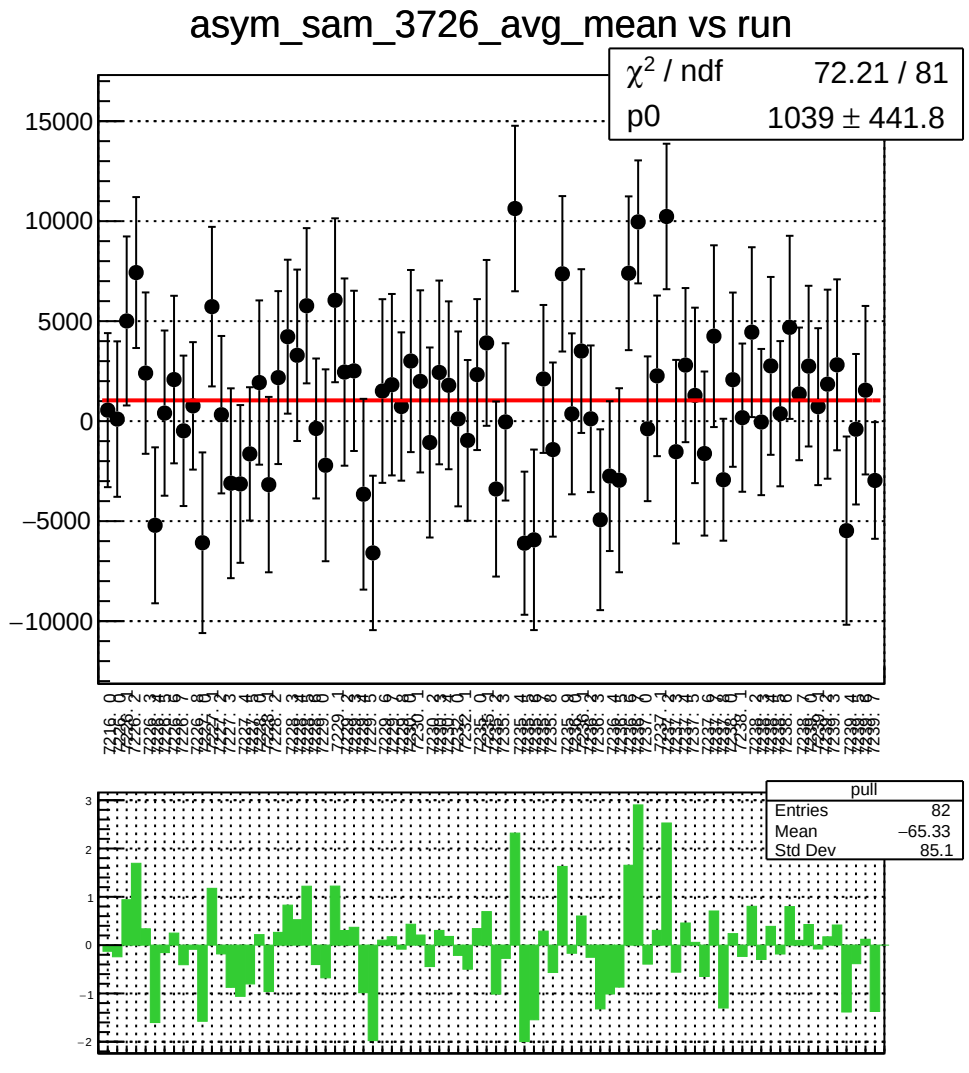

pull1D
Entries 82
Mean −0.04626
Std Dev 0.9615

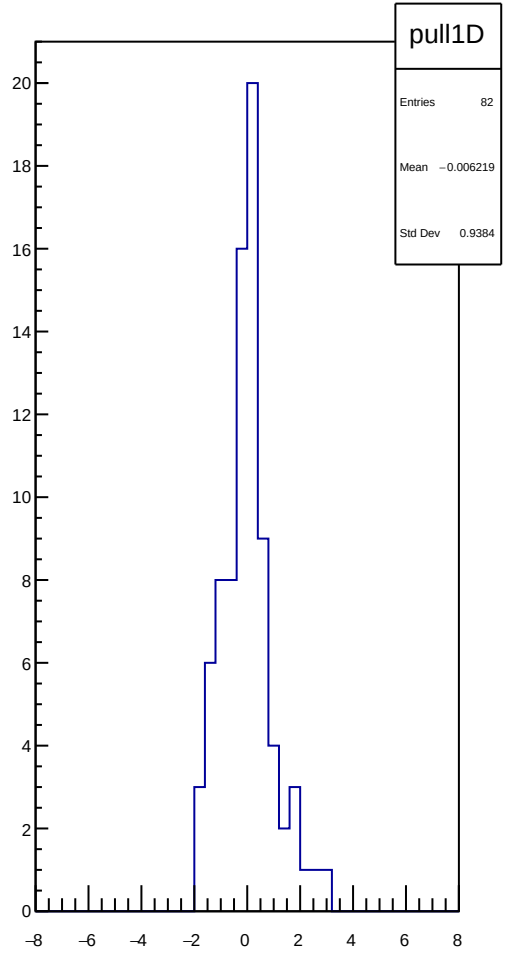

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 5.533e+04 / 81
p0 60.53 ± 0.04917
100
90
80
70
60
50

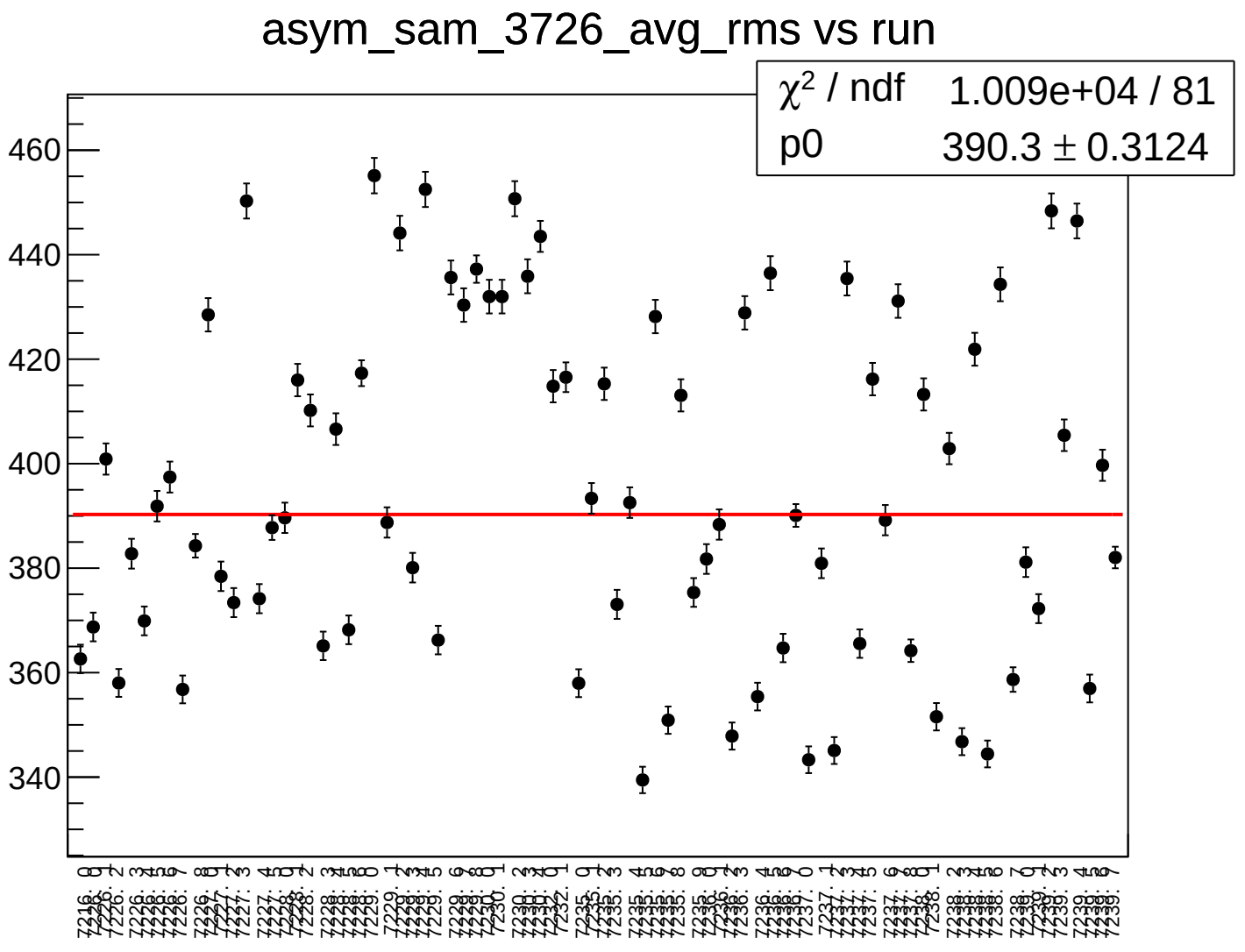

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 69.85 / 81
p0 −1043 ± 422.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 134.5
Std Dev 119.7
2
1
0
−1
−2

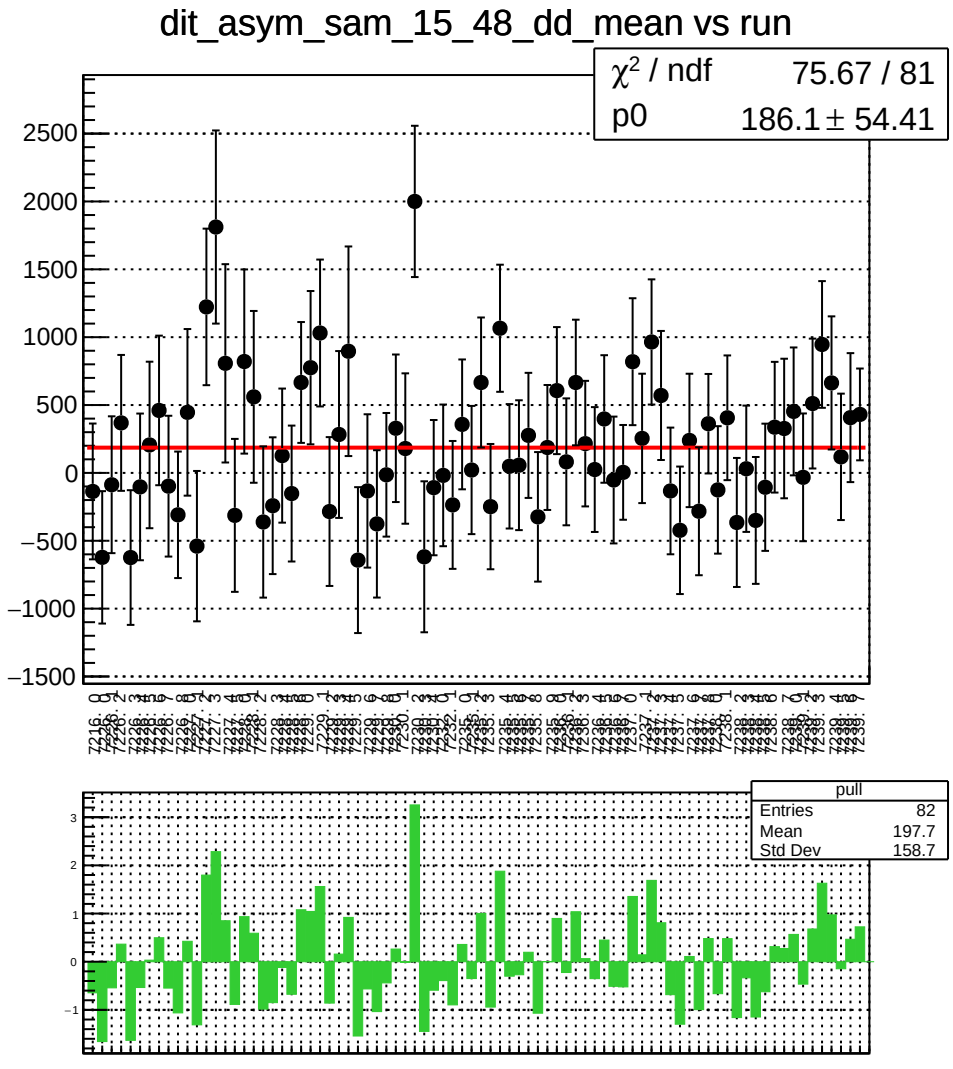

pull1D
Entries 82
Mean −0.004741
Std Dev 0.923
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

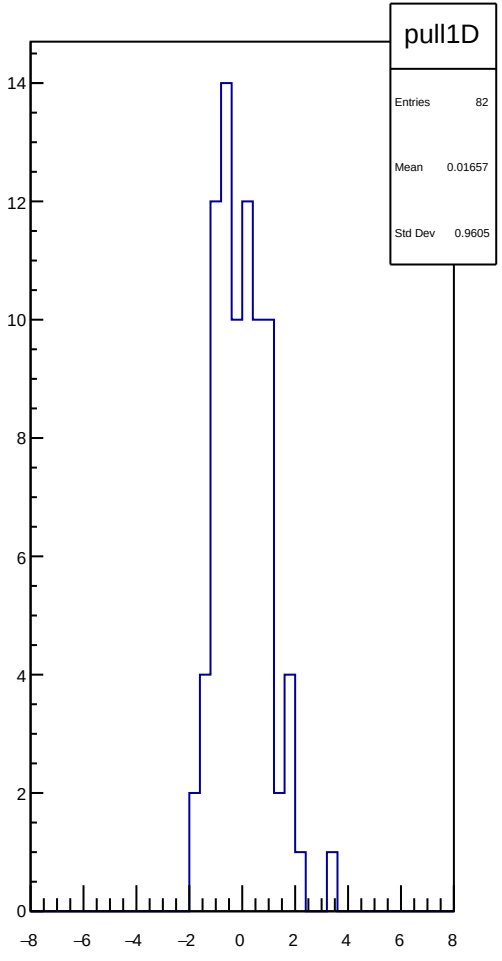

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 7704 / 81
p0 373.5 ± 0.2987
460
440
420
400
380
360
340

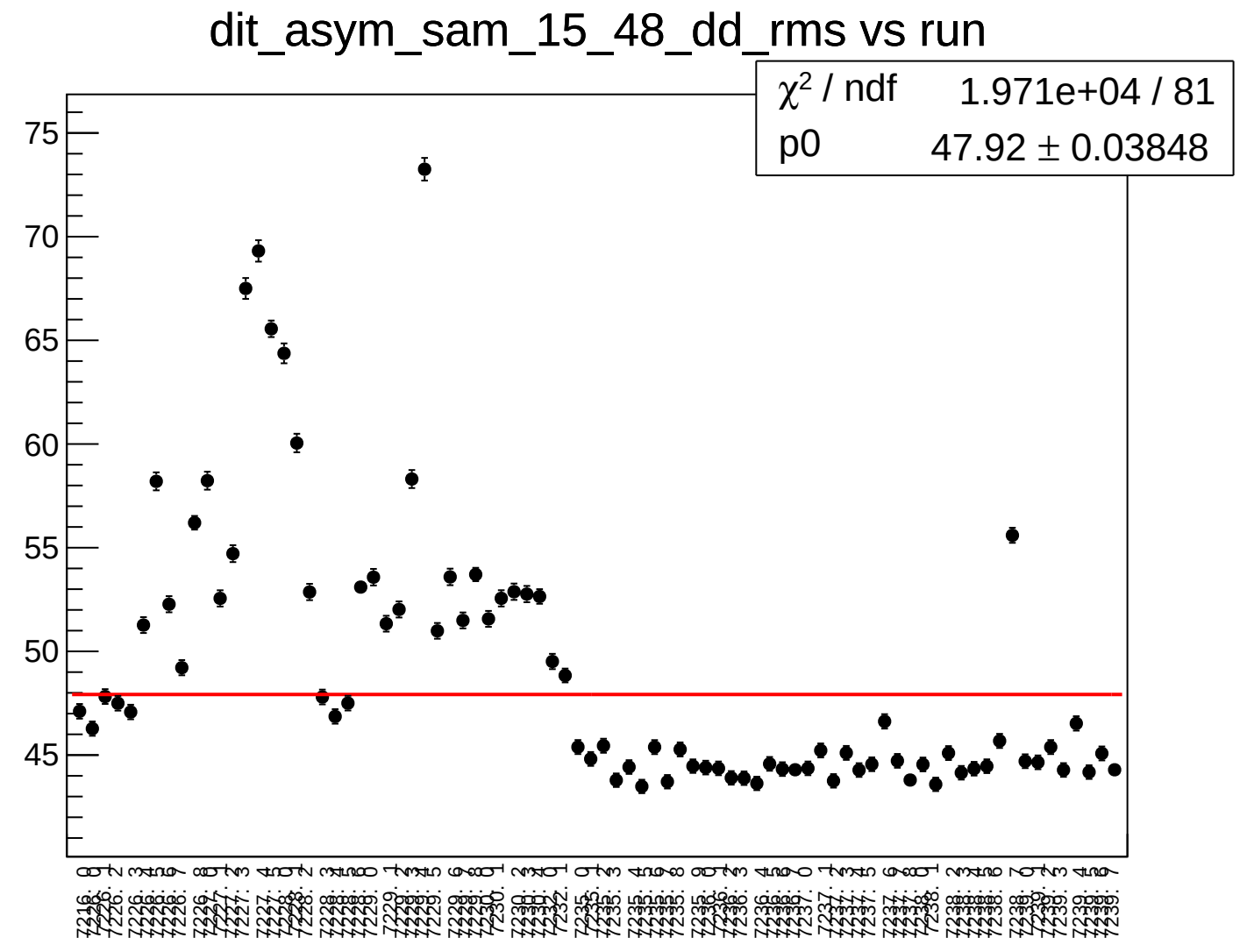

asym_sam_3726_avg_mean vs run
χ² / ndf 72.21 / 81
p0 1039 ± 441.8
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −65.33
Std Dev 85.1
3
2
1
0
−1
−2

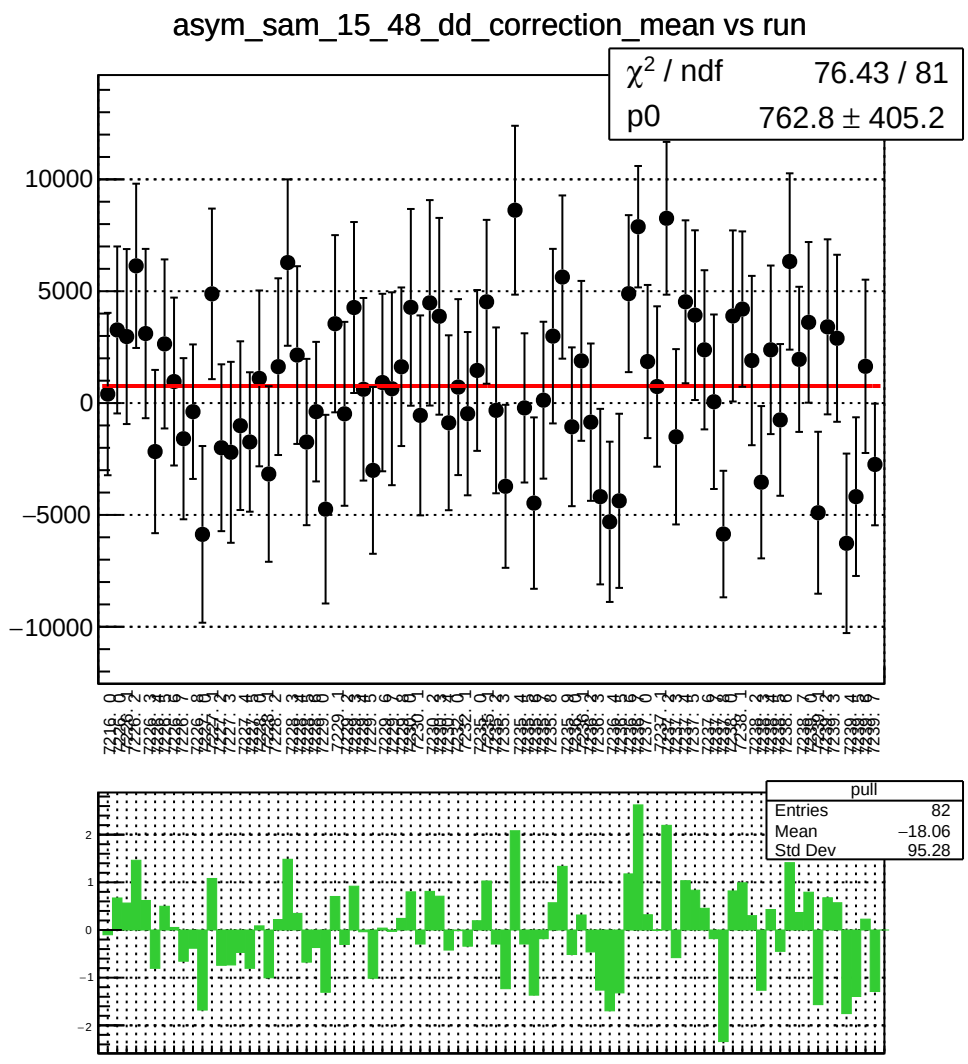

pull1D
Entries 82
Mean −0.006219
Std Dev 0.9384
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

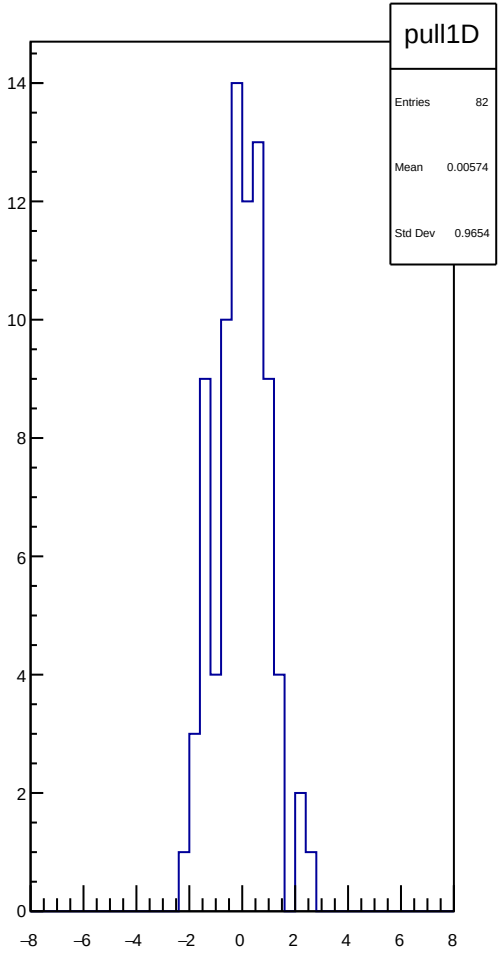

asym_sam_3726_avg_rms vs run
χ² / ndf 1.009e+04 / 81
p0 390.3 ± 0.3124
460
440
420
400
380
360
340

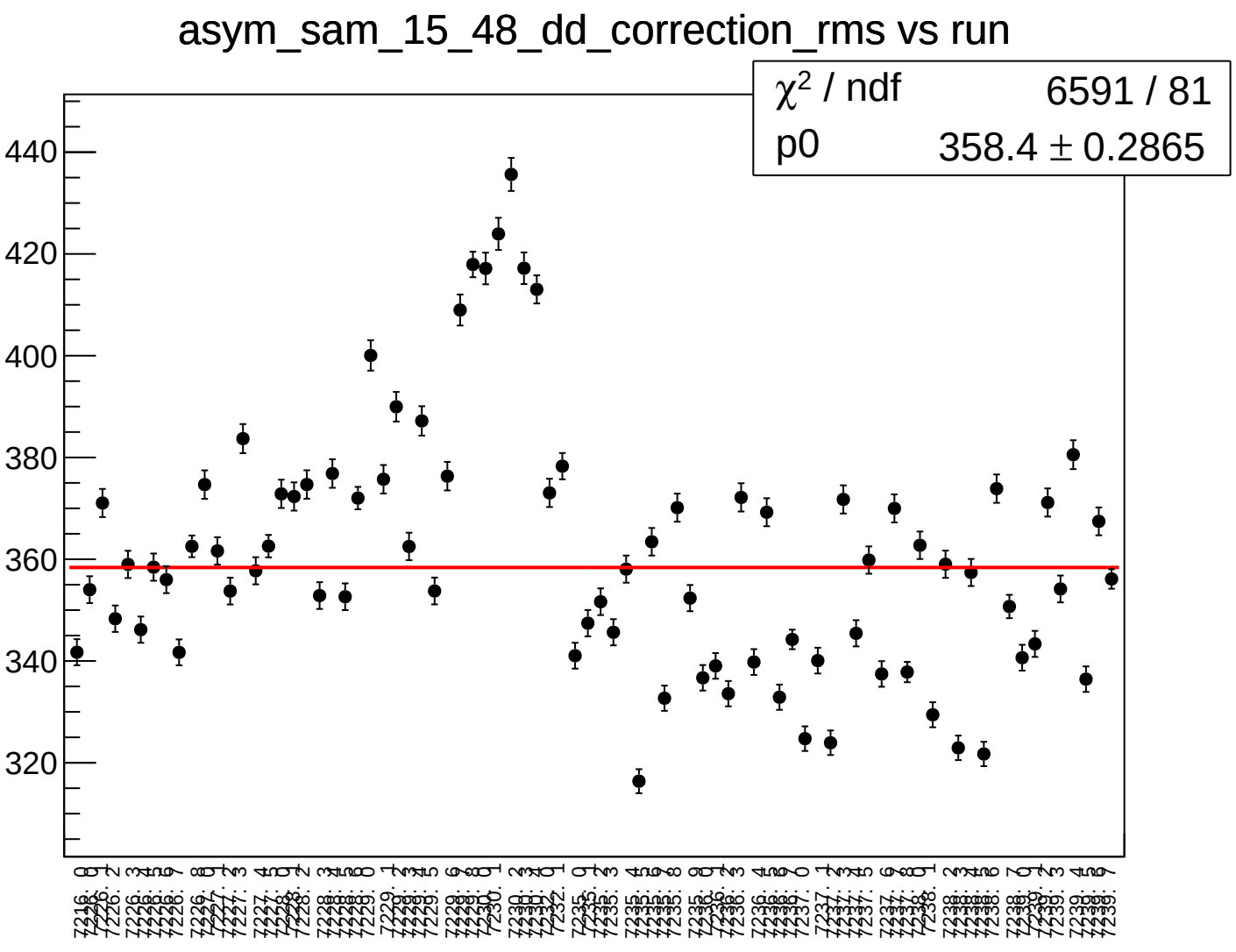

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 75.67 / 81
p0 186.1 ± 54.41
pull
Entries 82
Mean 197.7
Std Dev 158.7

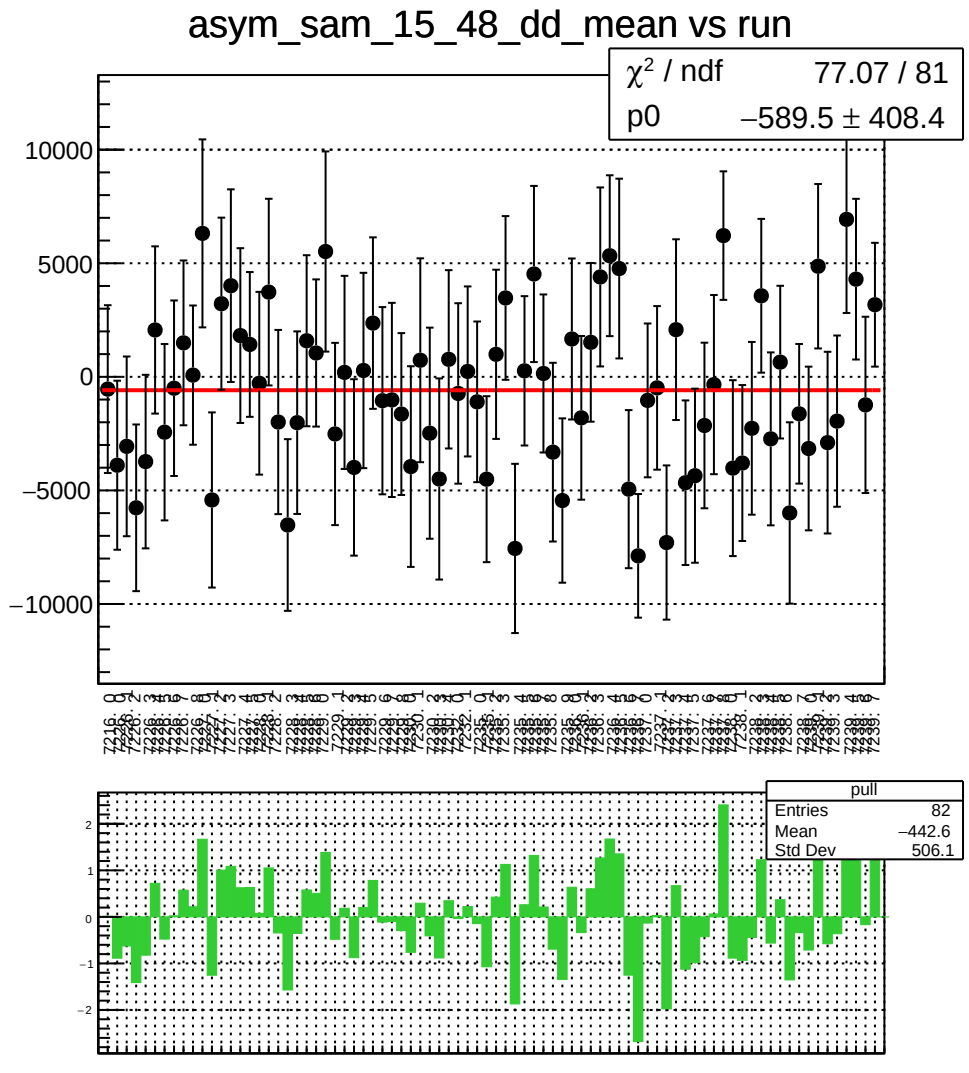

pull1D
Entries 82
Mean 0.01657
Std Dev 0.9605

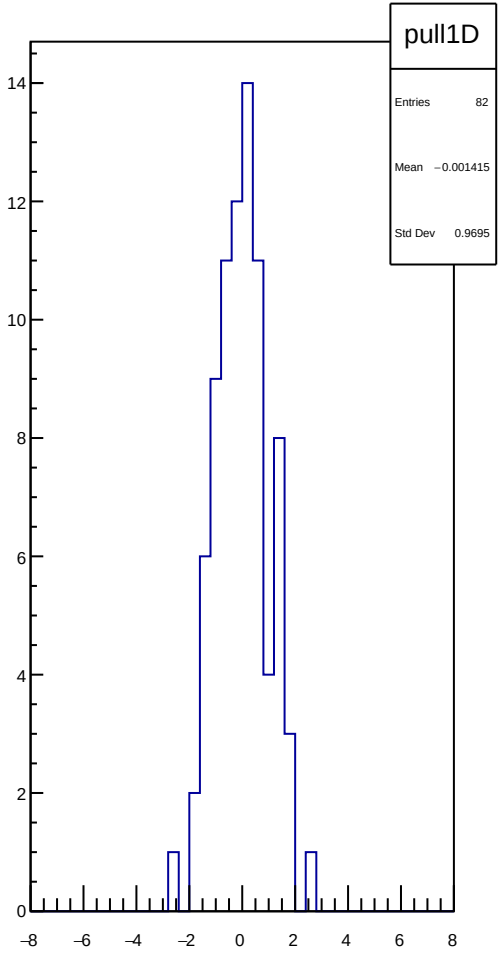

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.971e+04 / 81
p0 47.92 ± 0.03848
75
70
65
60
55
50
45

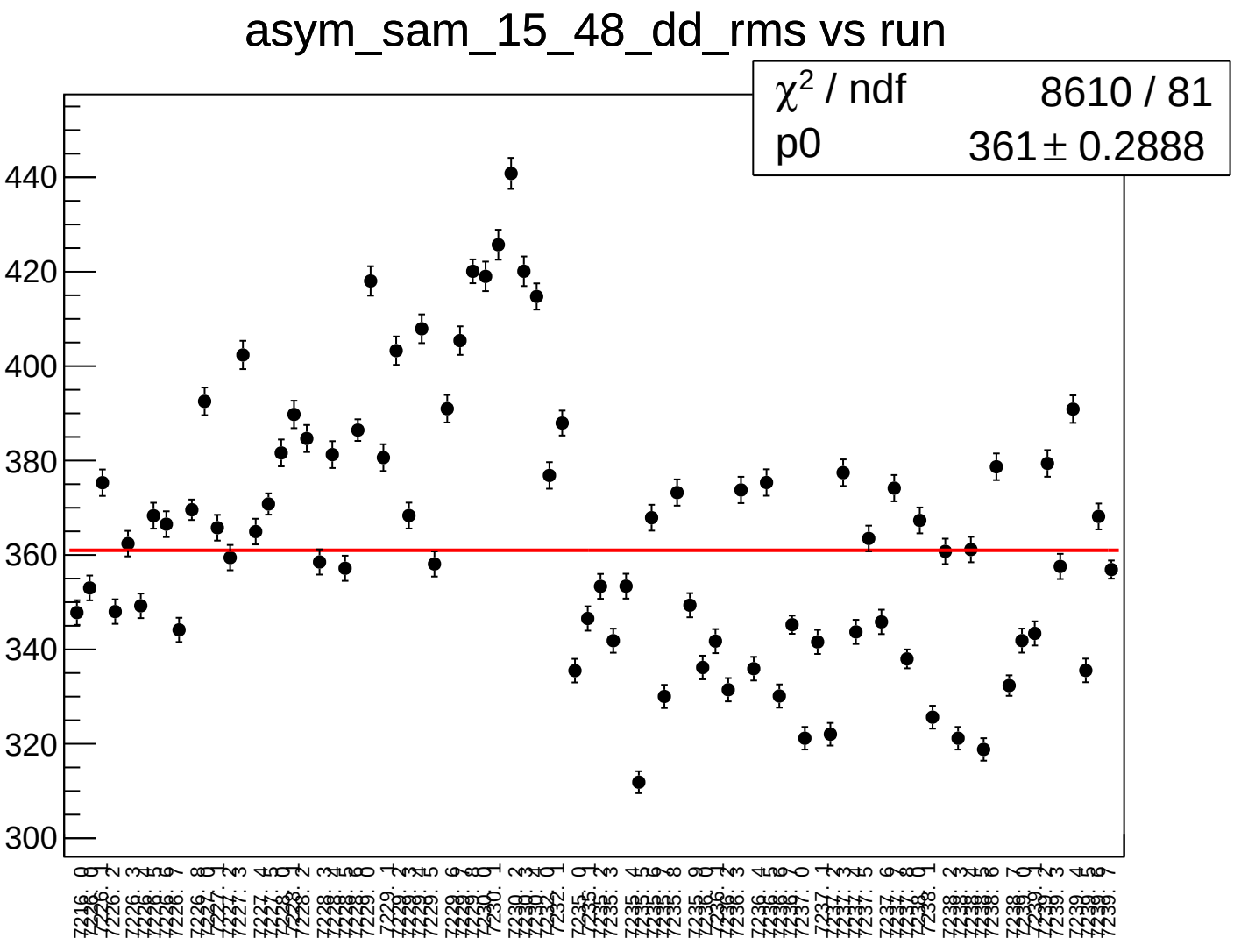

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 76.43 / 81
p0 762.8 ± 405.2
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −18.06
Std Dev 95.28
2
1
0
−1
−2

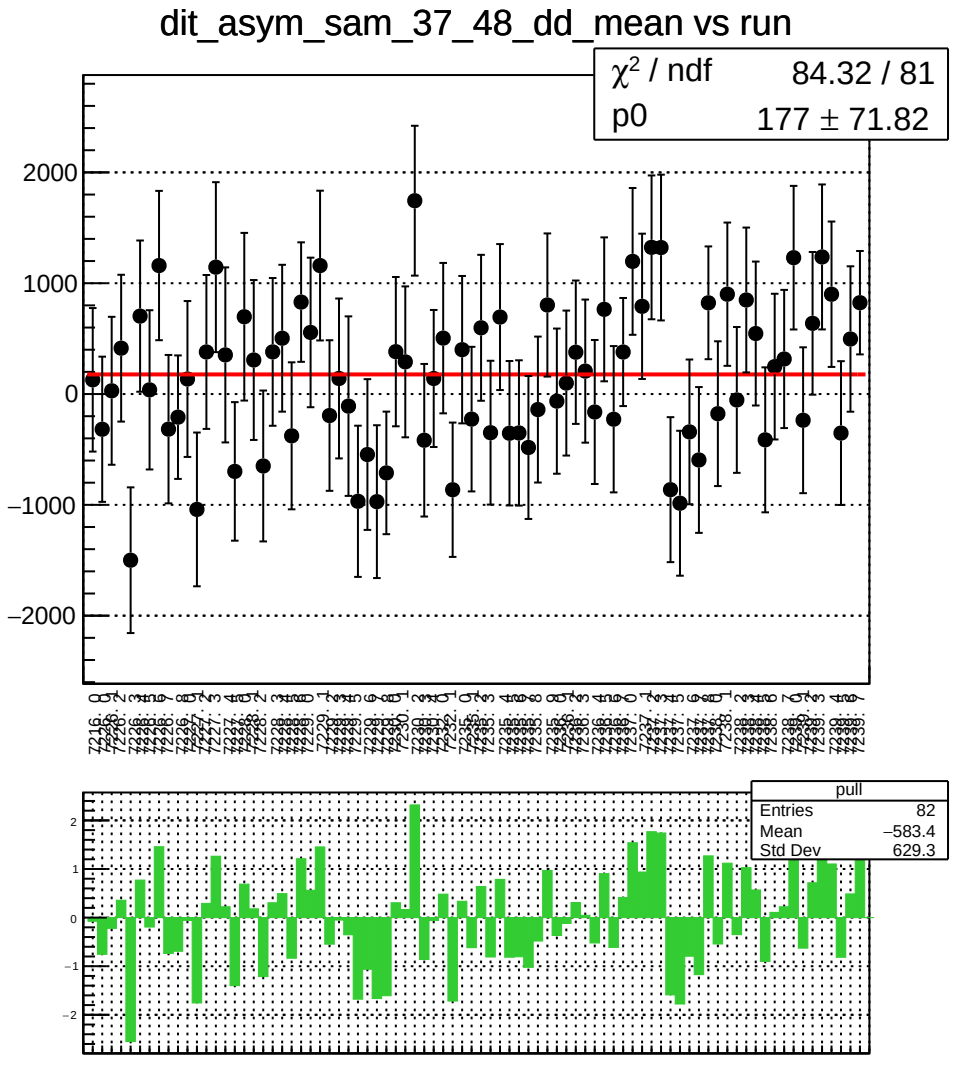

pull1D
Entries 82
Mean 0.00574
Std Dev 0.9654
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

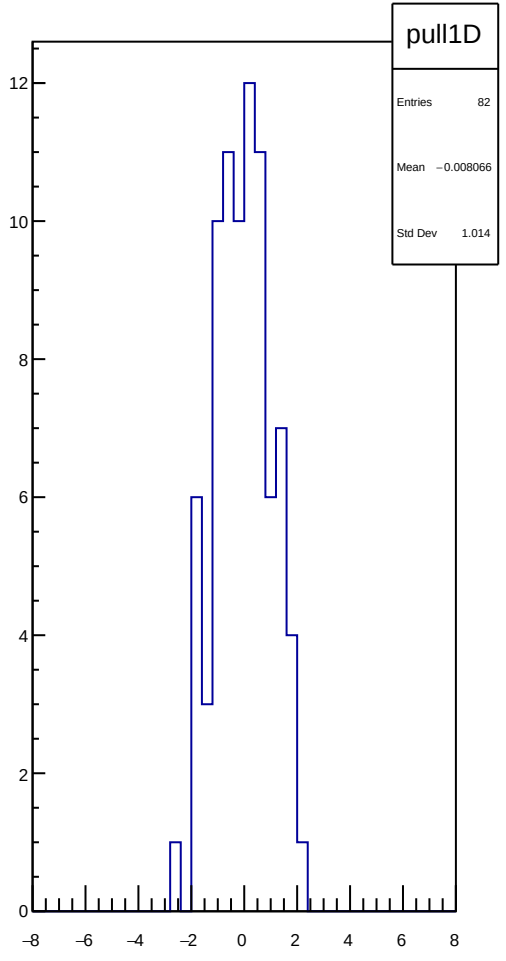

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 6591 / 81
p0 358.4 ± 0.2865
440
420
400
380
360
340
320

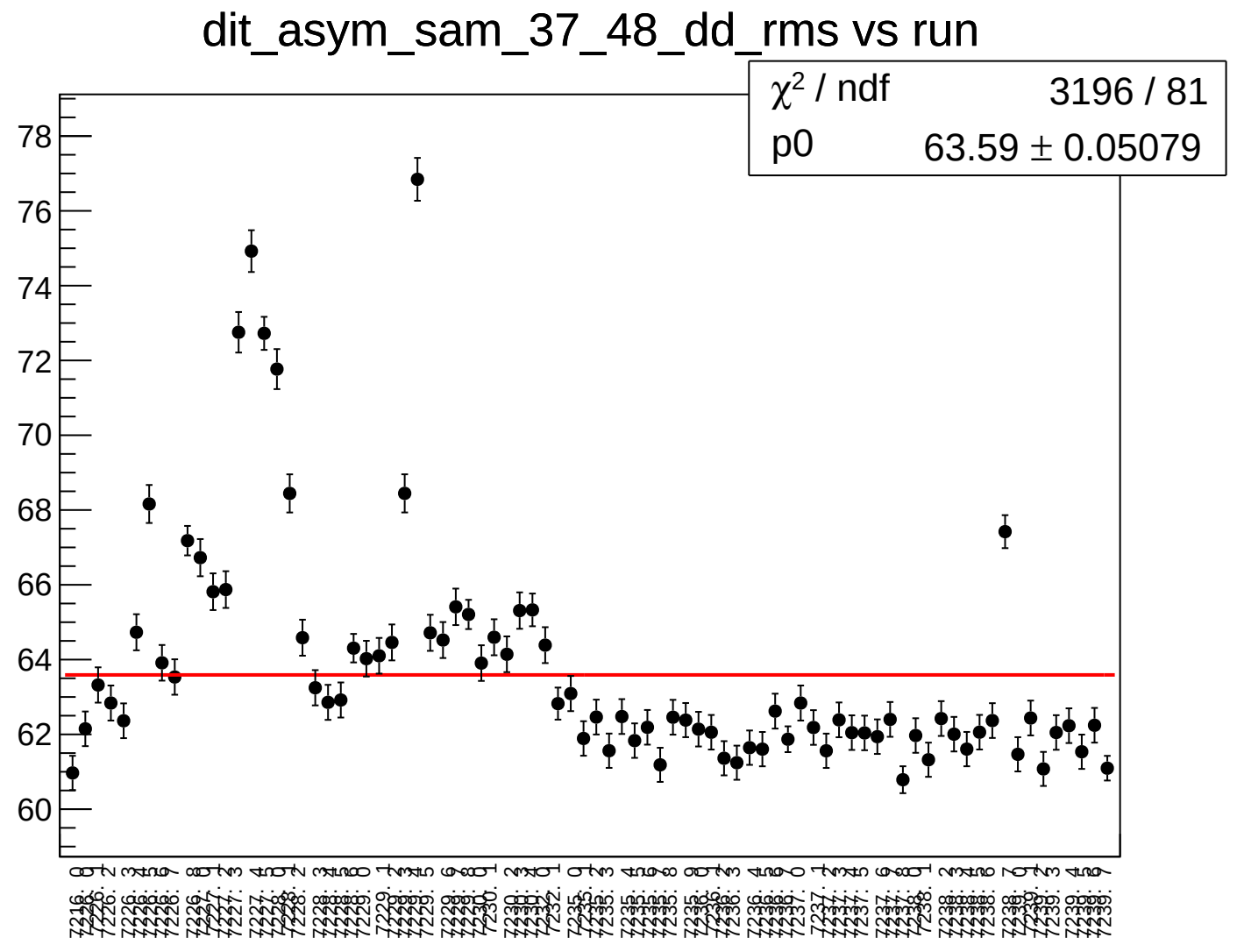

asym_sam_15_48_dd_mean vs run
χ² / ndf 77.07 / 81
p0 −589.5 ± 408.4
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −442.6
Std Dev 506.1
2
1
0
−1
−2

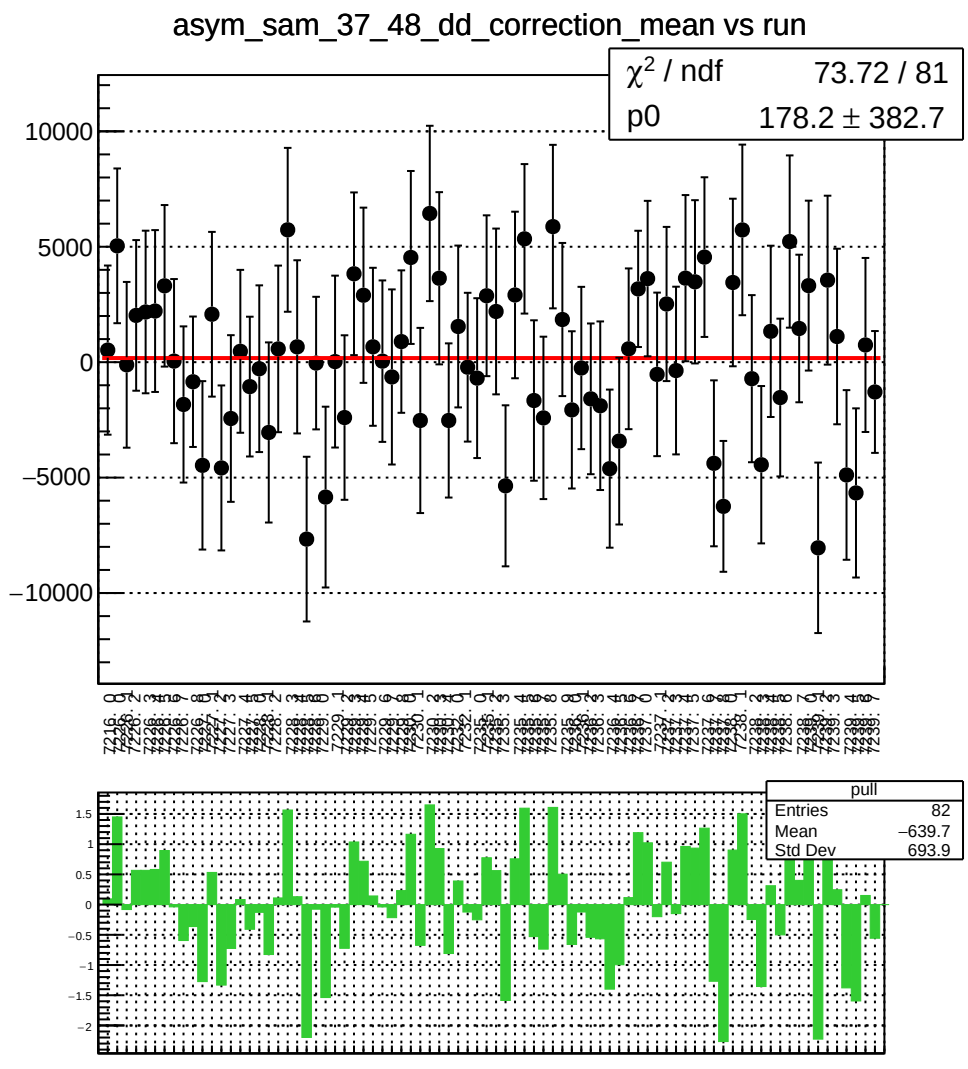

pull1D
Entries 82
Mean −0.001415
Std Dev 0.9695
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

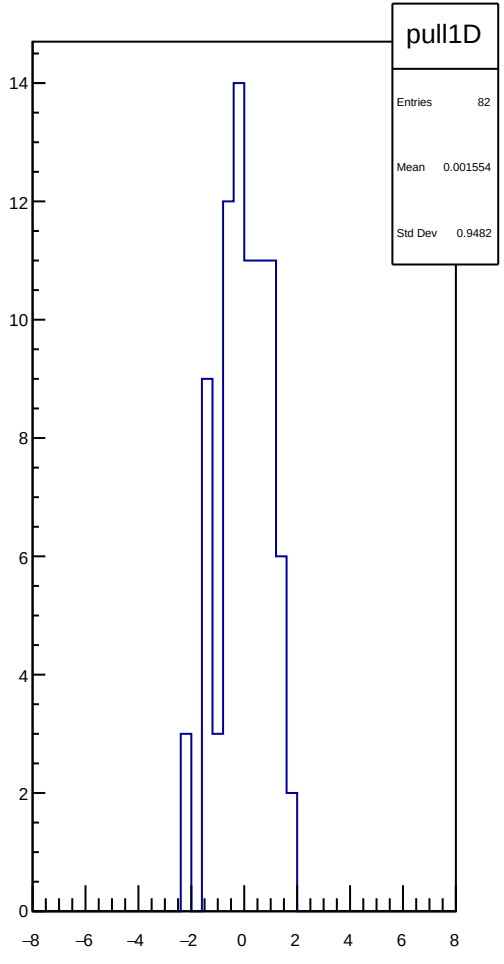

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 8610 / 81
p0 361 ± 0.2888
440
420
400
380
360
340
320
300

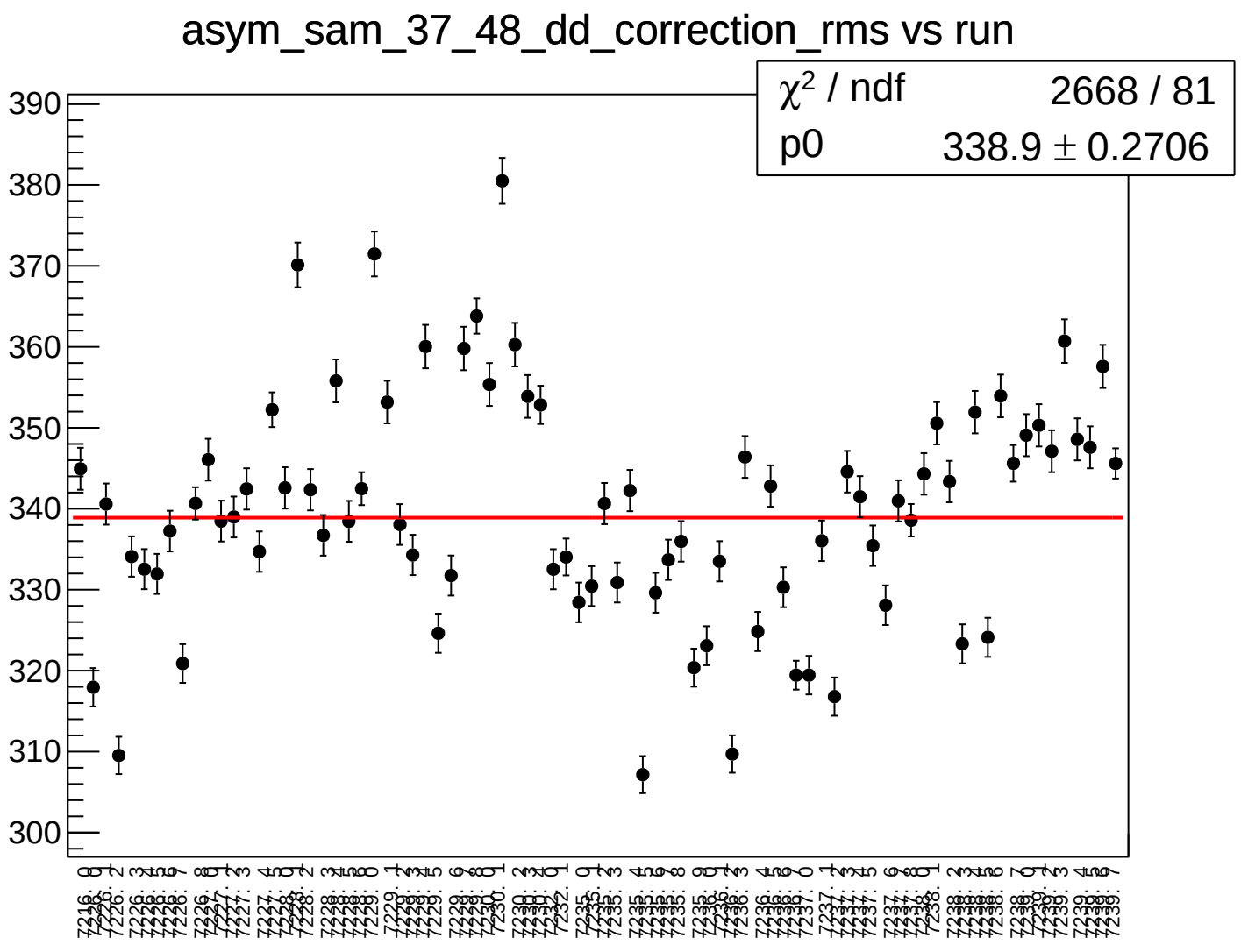

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 84.32 / 81
p0 177 ± 71.82
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −583.4
Std Dev 629.3
2
1
0
−1
−2

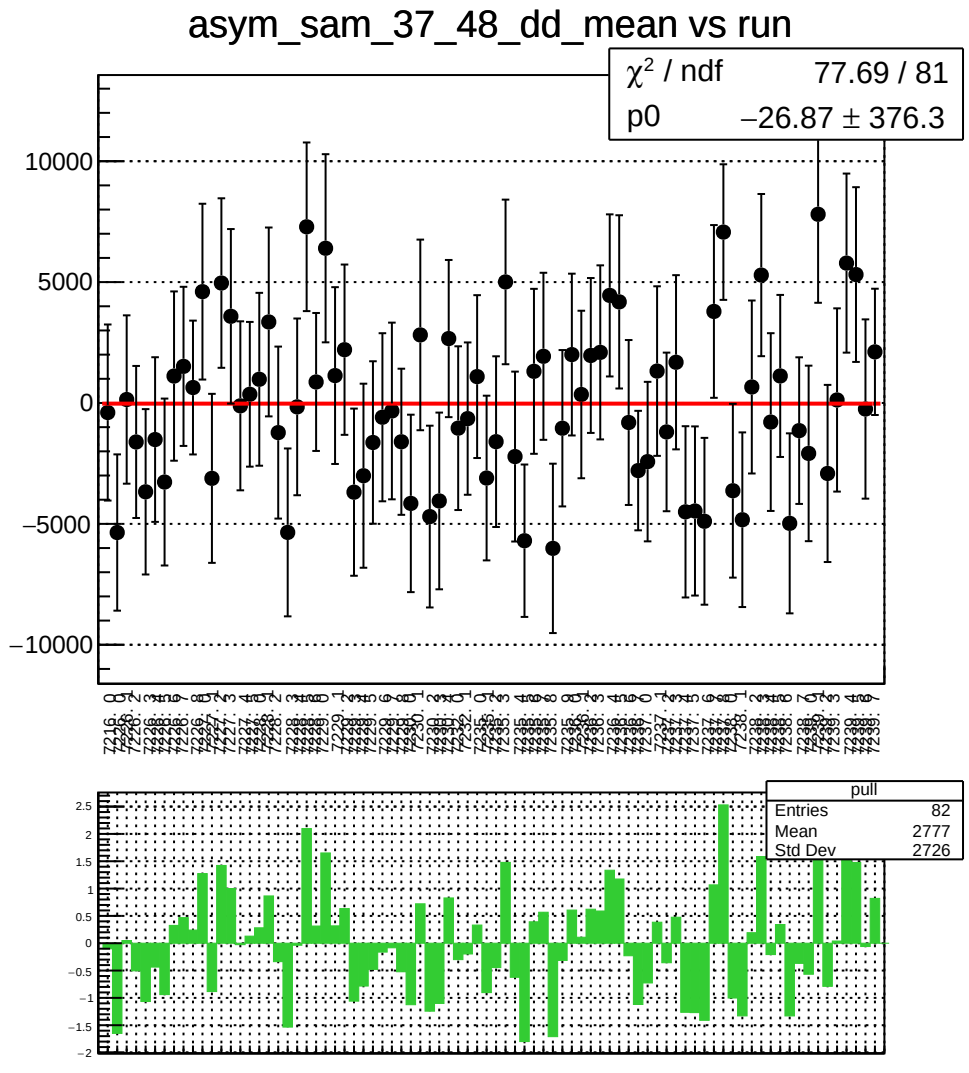

pull1D
Entries 82
Mean −0.008066
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

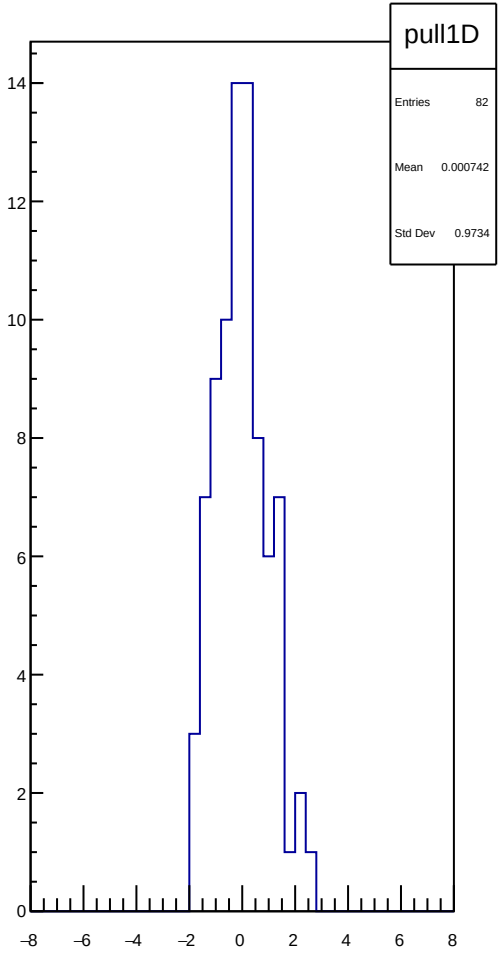

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 3196 / 81
p0 63.59 ± 0.05079
78
76
74
72
70
68
66
64
62
60

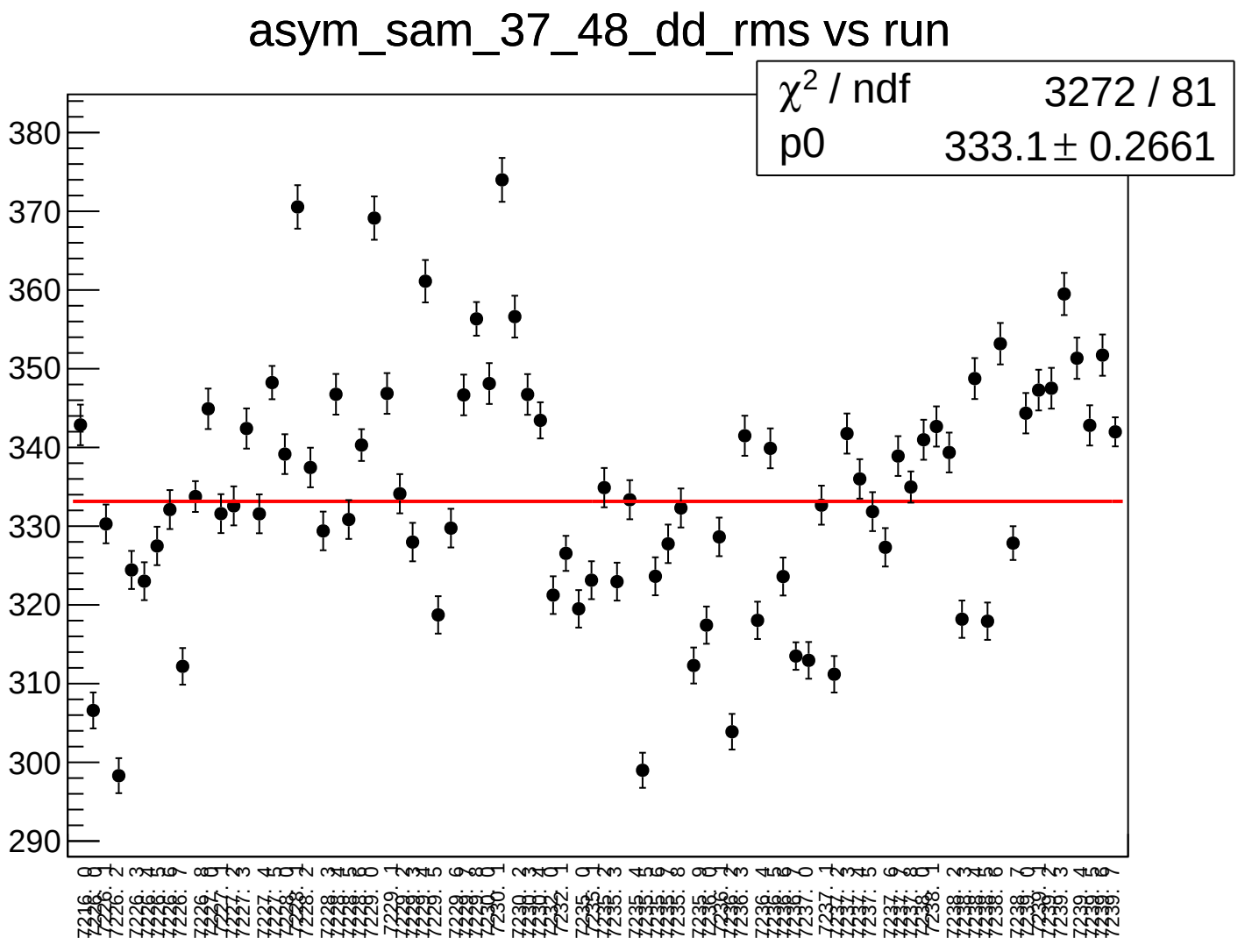

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 73.72 / 81
p0 178.2 ± 382.7
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −639.7
Std Dev 693.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

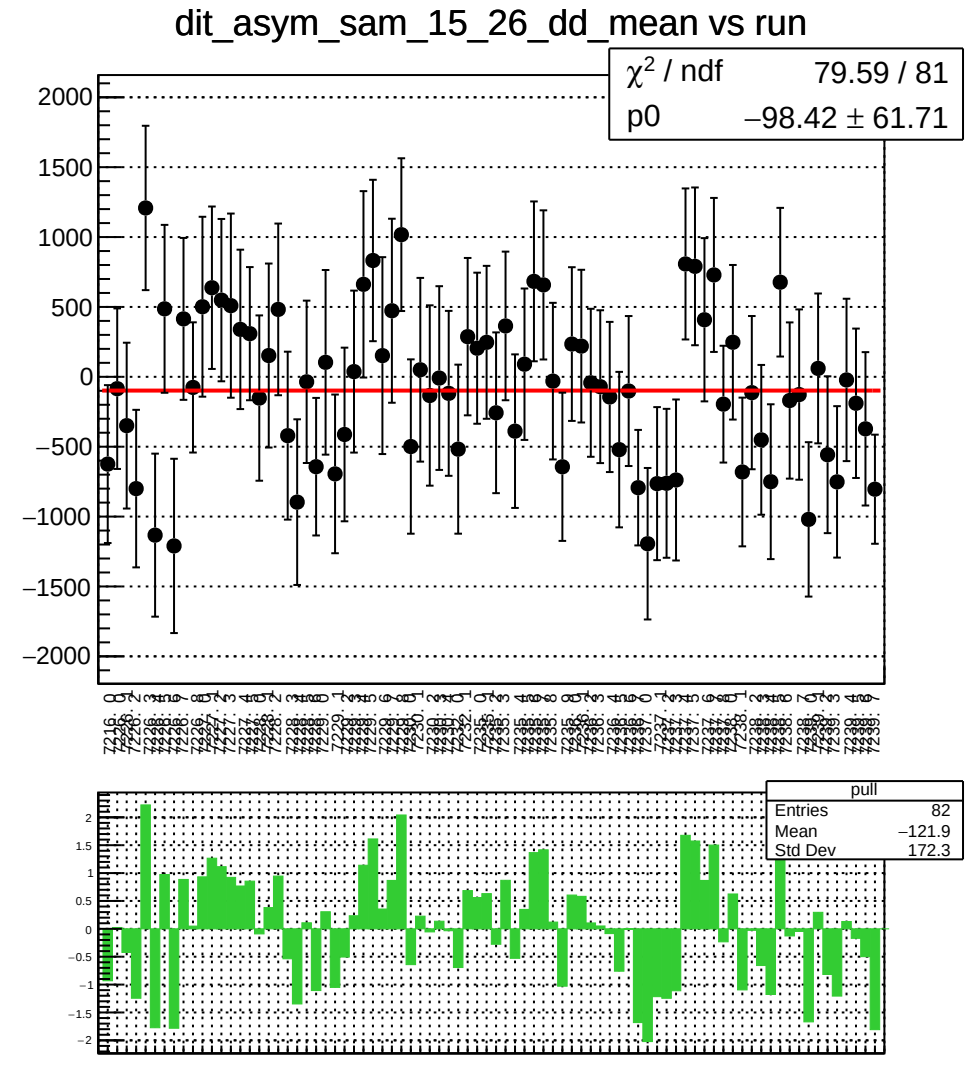

pull1D
Entries 82
Mean 0.001554
Std Dev 0.9482
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

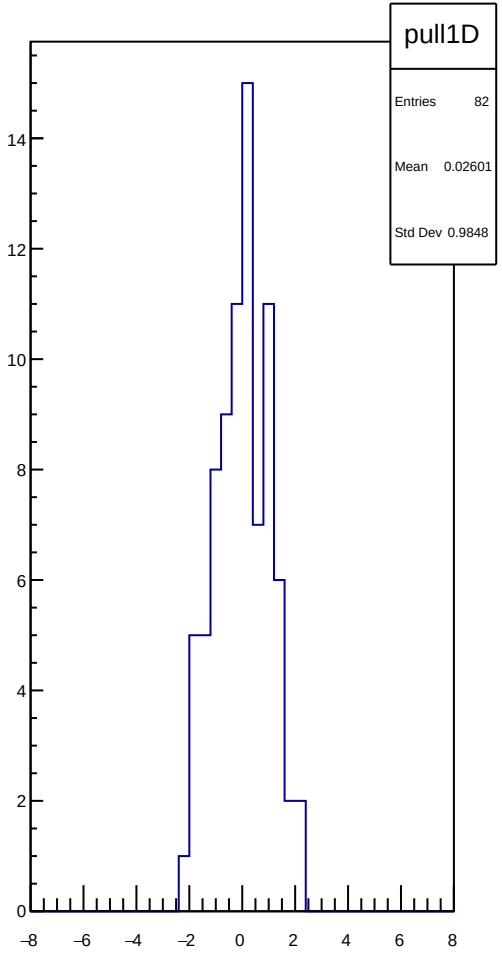

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2668 / 81
p0 338.9 ± 0.2706
390
380
370
360
350
340
330
320
310
300

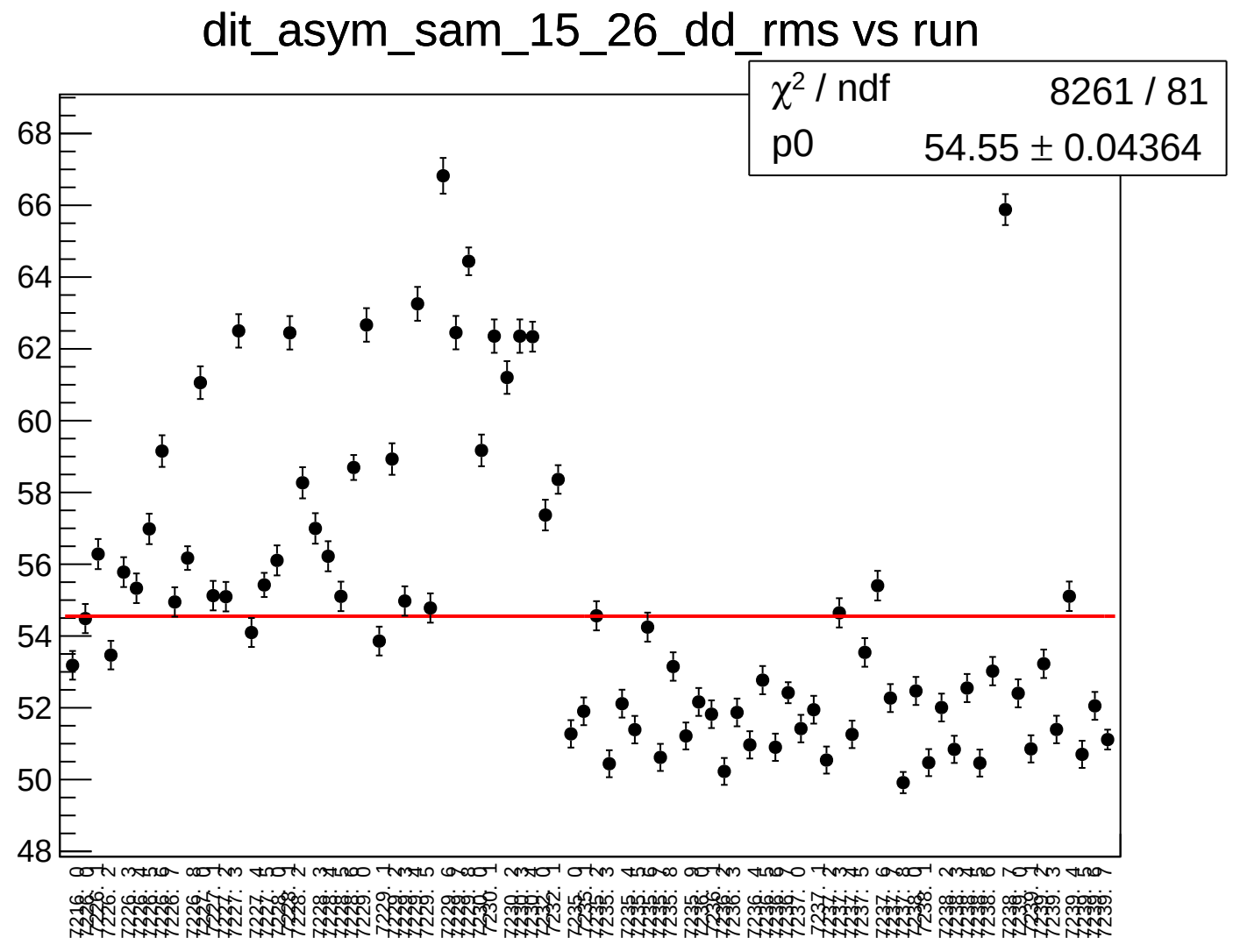

asym_sam_37_48_dd_mean vs run
χ² / ndf 77.69 / 81
p0 −26.87 ± 376.3
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 2777
Std Dev 2726
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

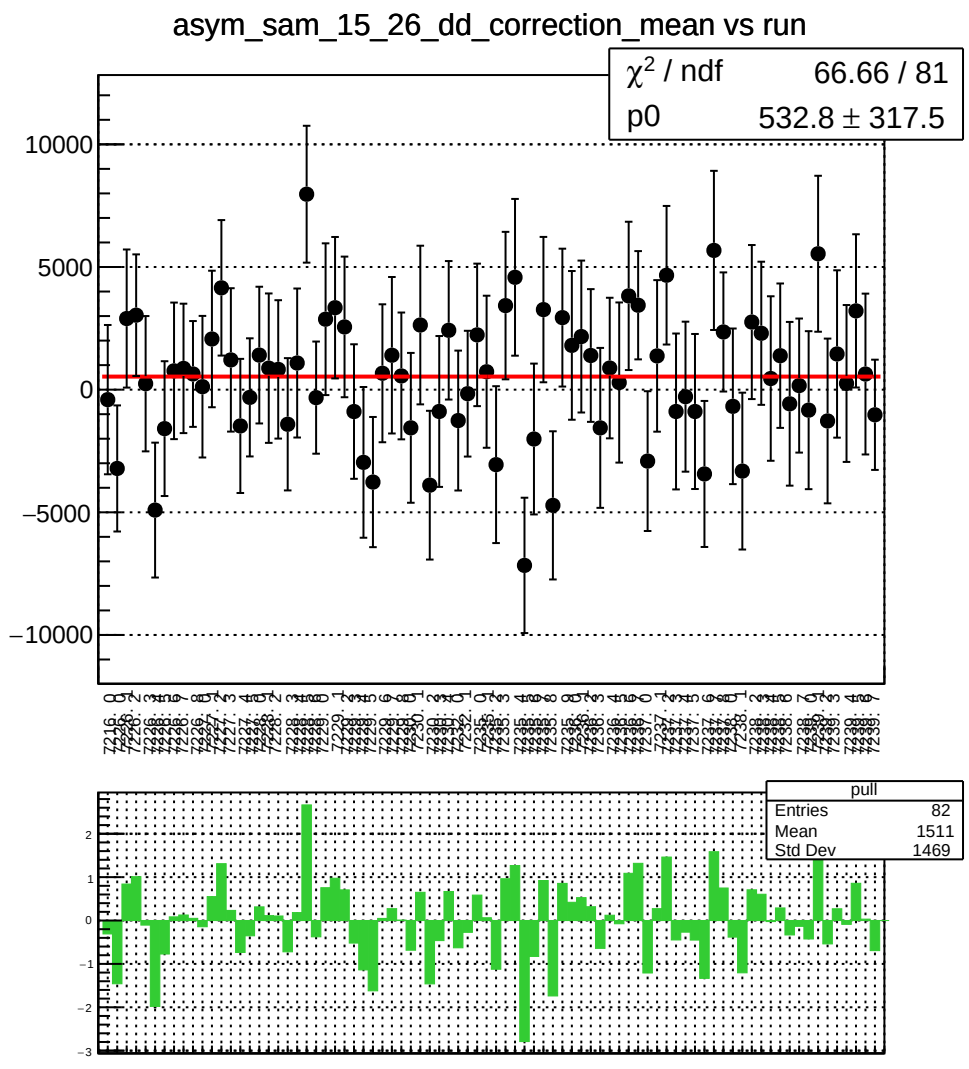

pull1D
Entries 82
Mean 0.000742
Std Dev 0.9734
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

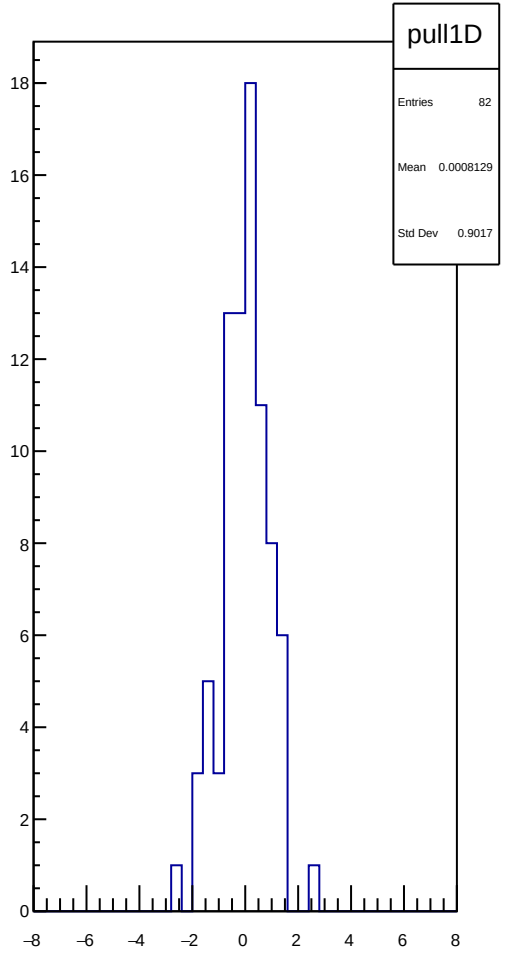

asym_sam_37_48_dd_rms vs run
χ² / ndf 3272 / 81
p0 333.1 ± 0.2661
380
370
360
350
340
330
320
310
300
290

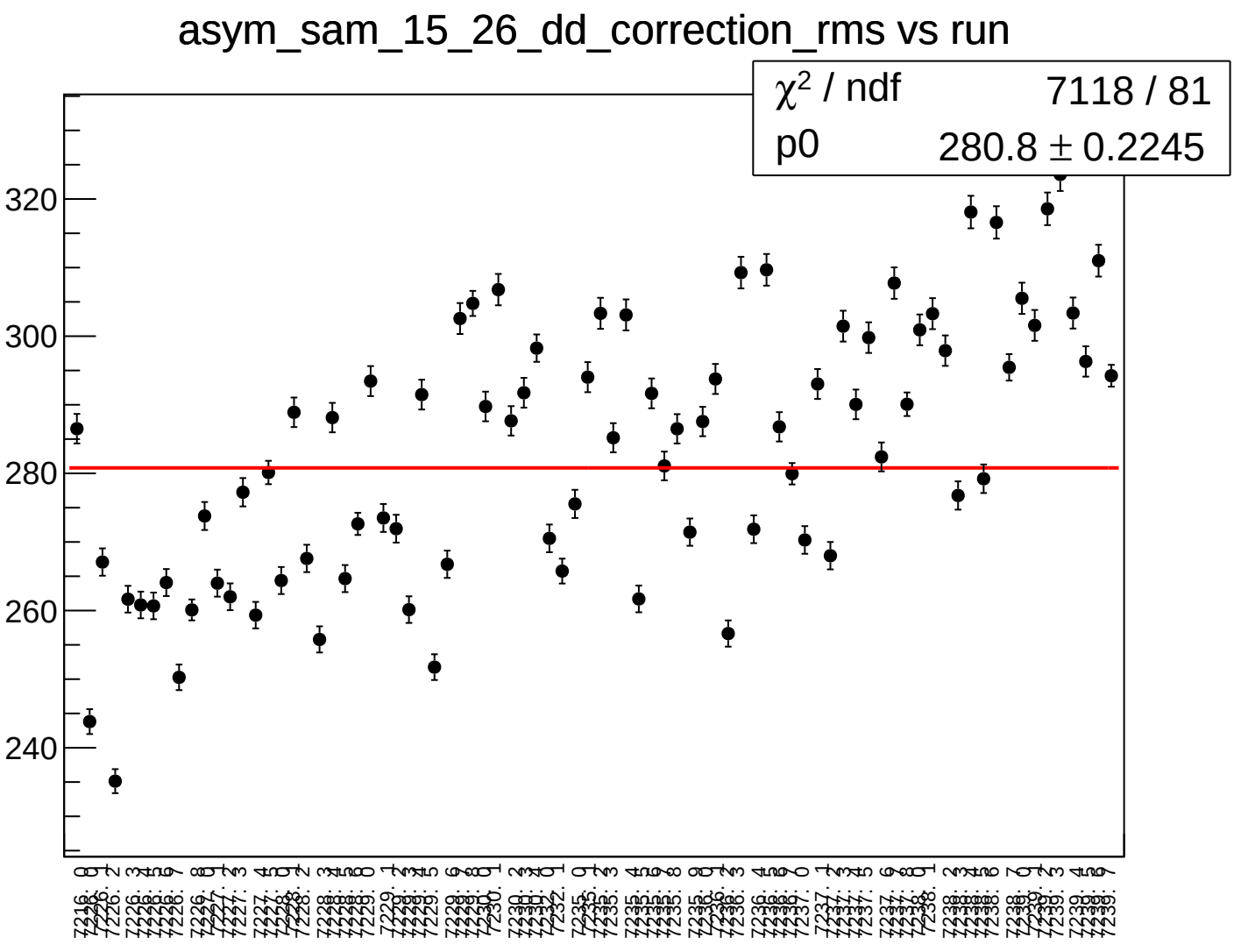

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 79.59 / 81
p0 −98.42 ± 61.71
pull
Entries 82
Mean −121.9
Std Dev 172.3

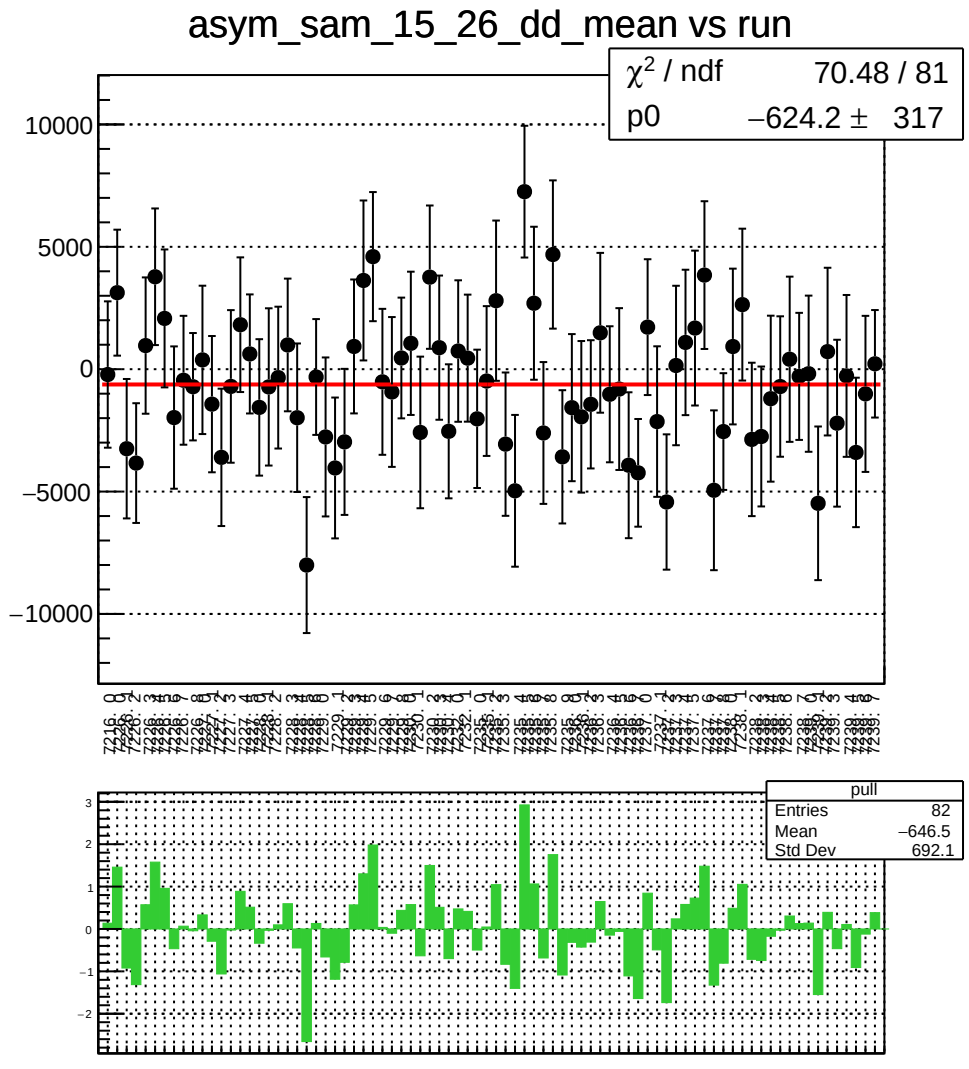

pull1D
Entries 82
Mean 0.02601
Std Dev 0.9848

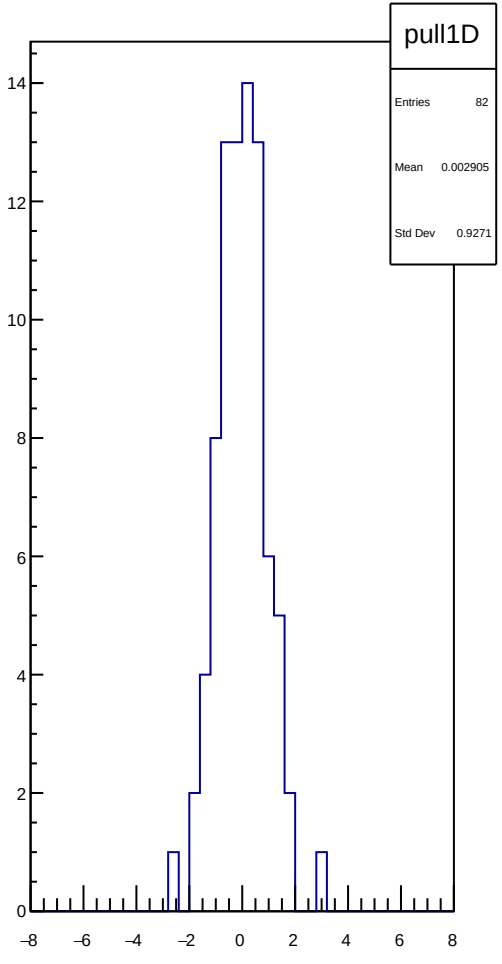

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 8261 / 81
p0 54.55 ± 0.04364
68
66
64
62
60
58
56
54
52
50
48

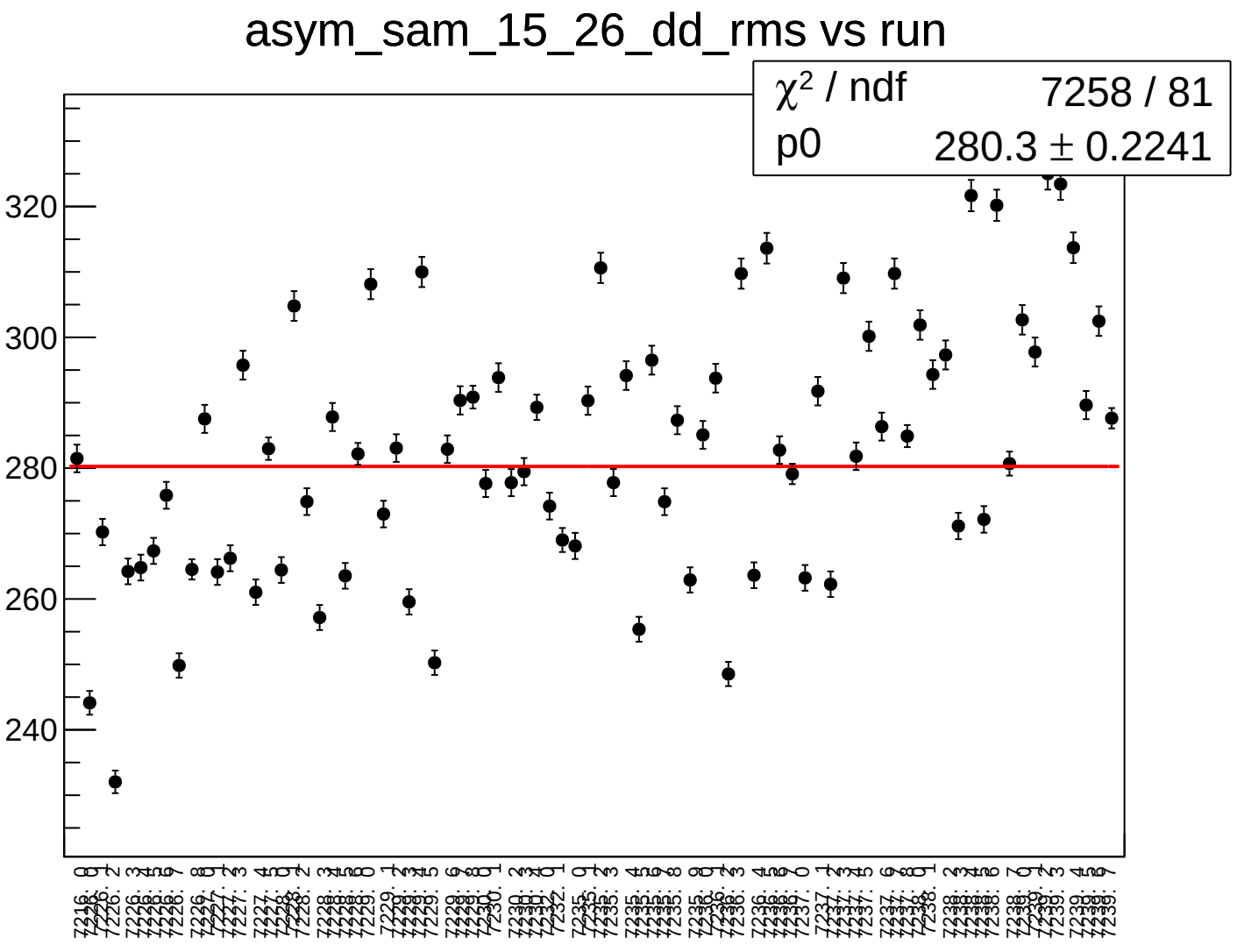

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 66.66 / 81
p0 532.8 ± 317.5
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1511
Std Dev 1469
2
1
0
−1
−2
−3

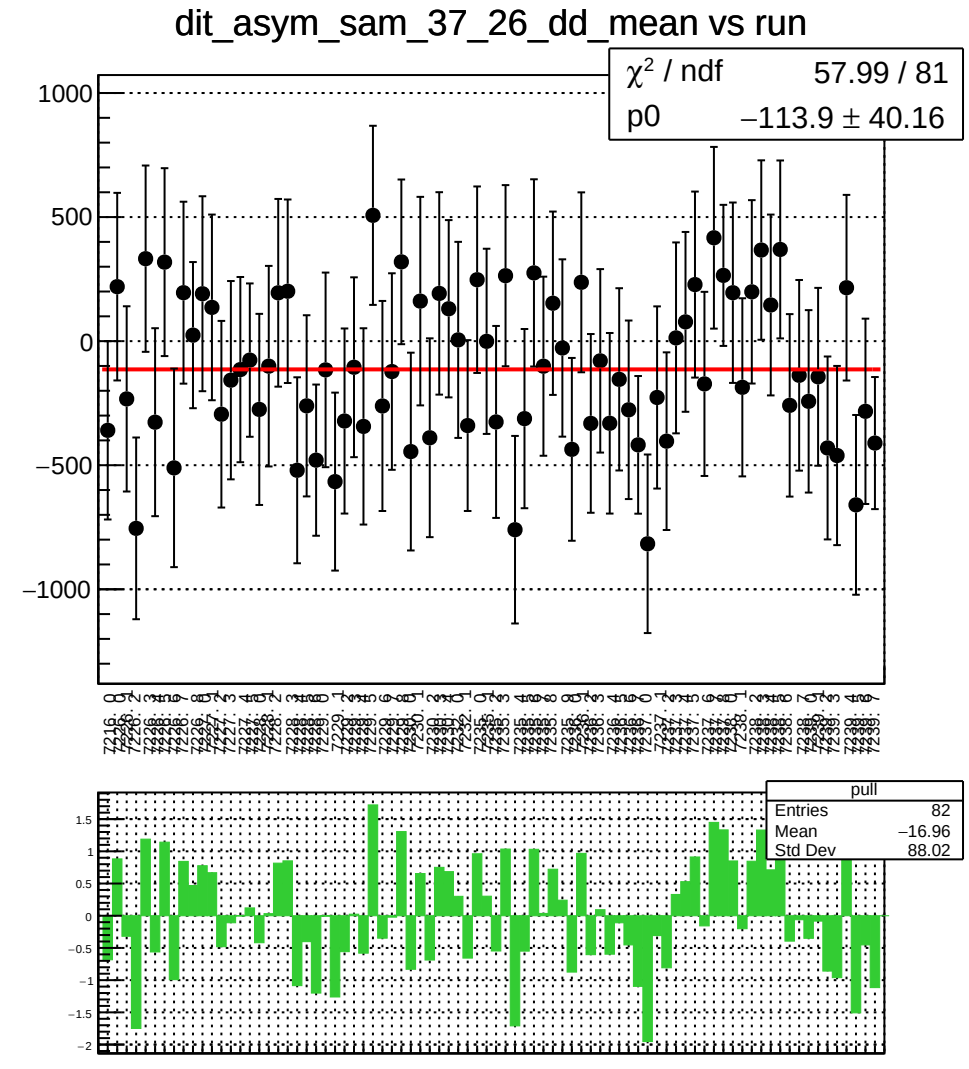

pull1D
Entries 82
Mean 0.0008129
Std Dev 0.9017
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

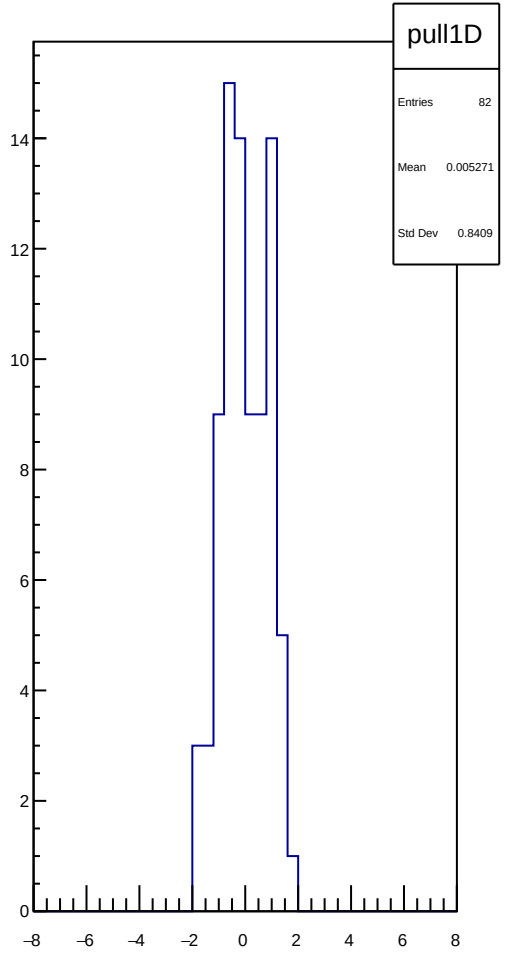

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 7118 / 81
p0 280.8 ± 0.2245
320
300
280
260
240

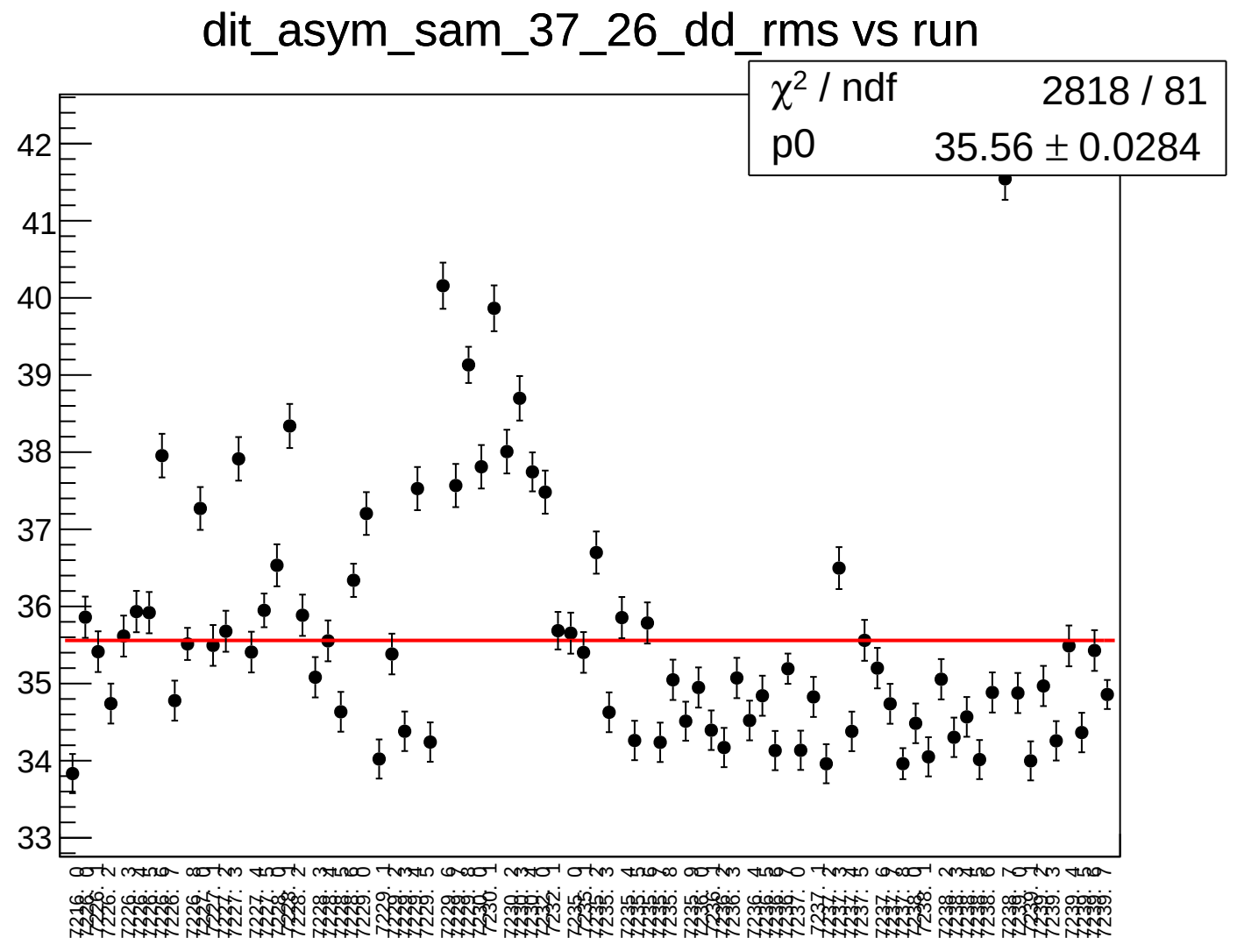

asym_sam_15_26_dd_mean vs run
χ² / ndf 70.48 / 81
p0 −624.2 ± 317
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −646.5
Std Dev 692.1
3
2
1
0
−1
−2

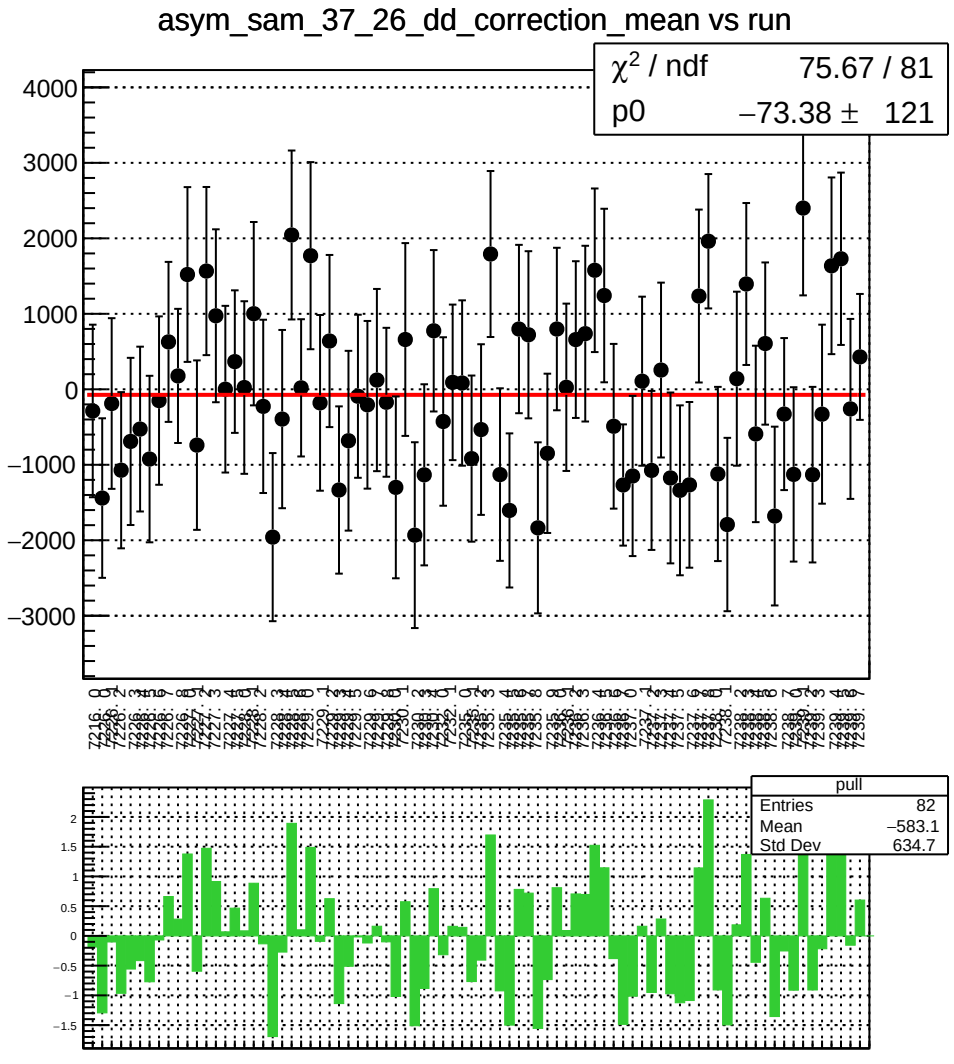

pull1D
Entries 82
Mean 0.002905
Std Dev 0.9271
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

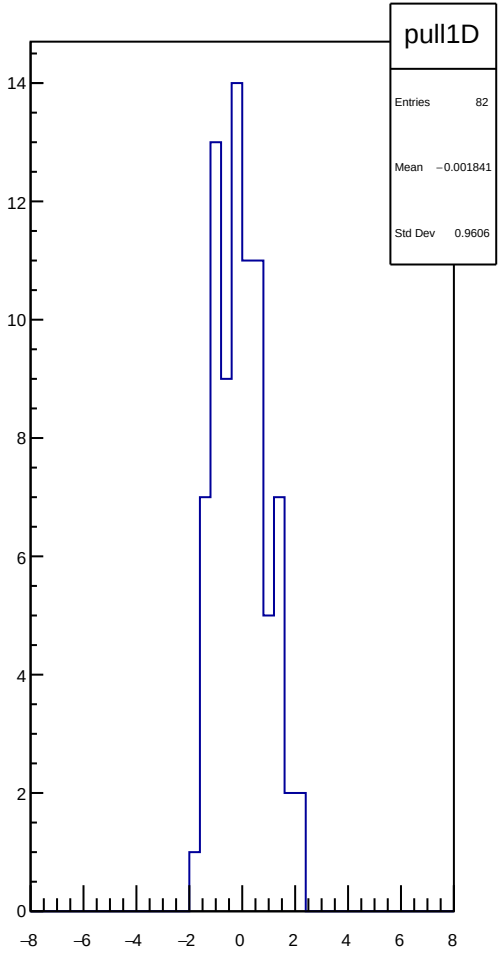

asym_sam_15_26_dd_rms vs run
χ² / ndf 7258 / 81
p0 280.3 ± 0.2241
320
300
280
260
240

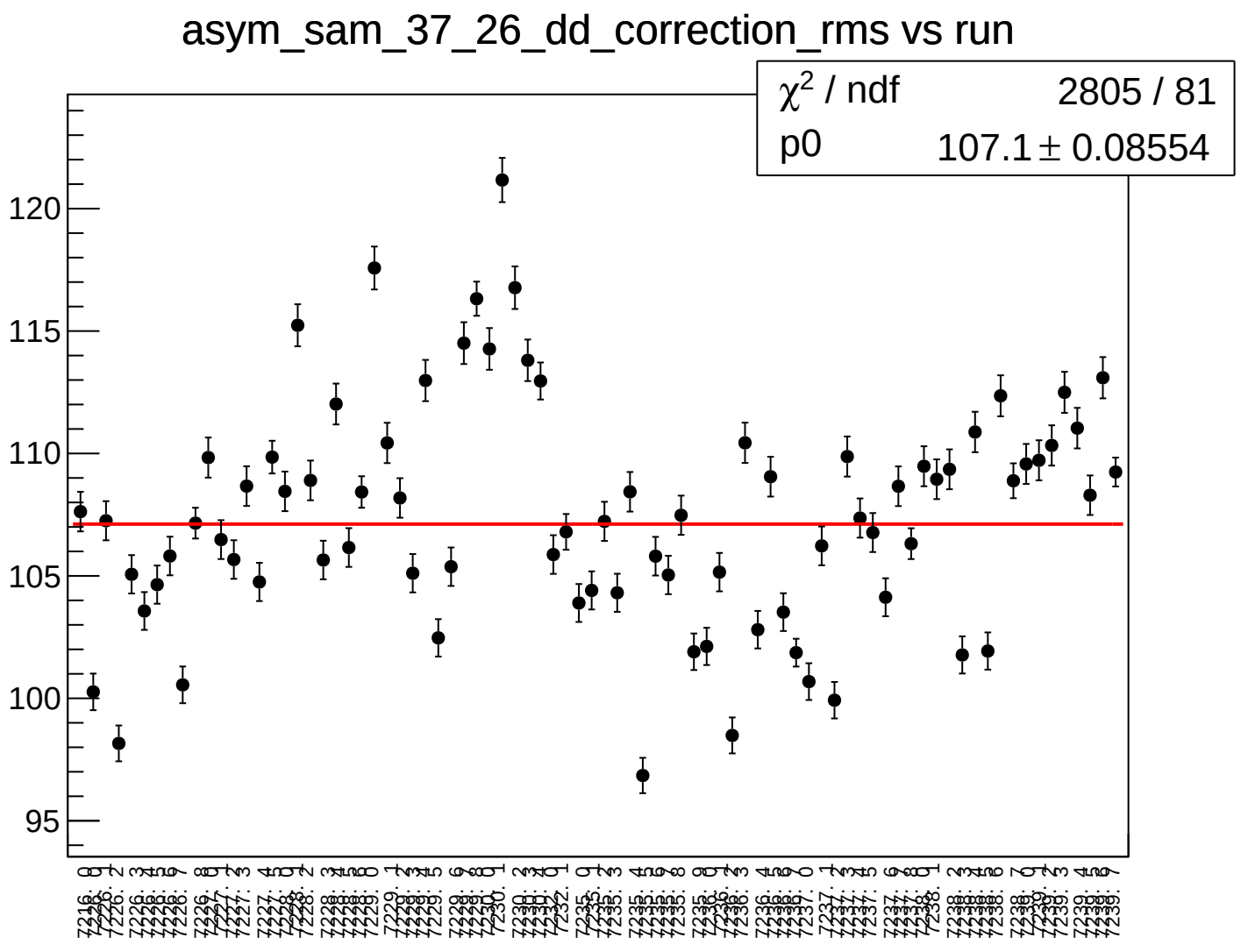

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 57.99 / 81
p0 −113.9 ± 40.16
1000
500
0
−500
−1000
pull
Entries 82
Mean −16.96
Std Dev 88.02
1.5
1
0.5
0
−0.5
−1
−1.5
−2

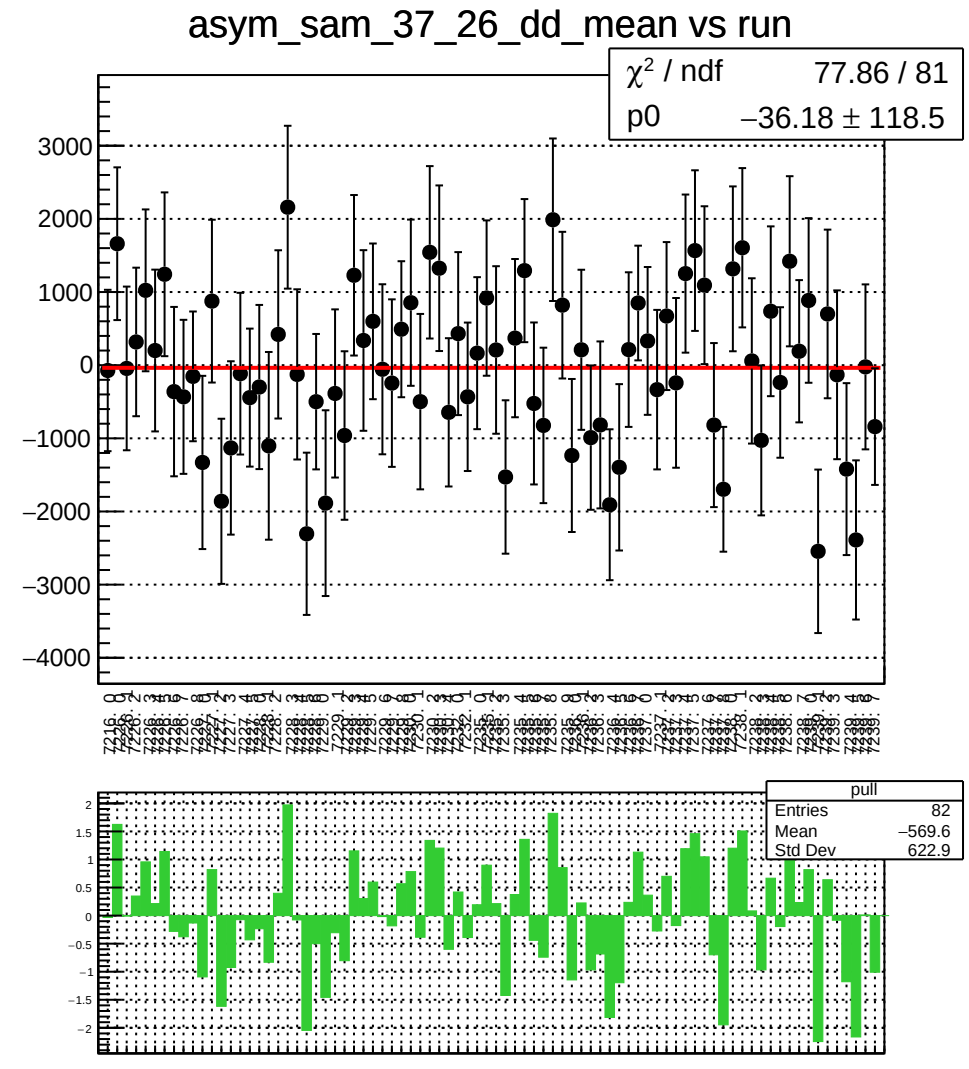

pull1D
Entries 82
Mean 0.005271
Std Dev 0.8409
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

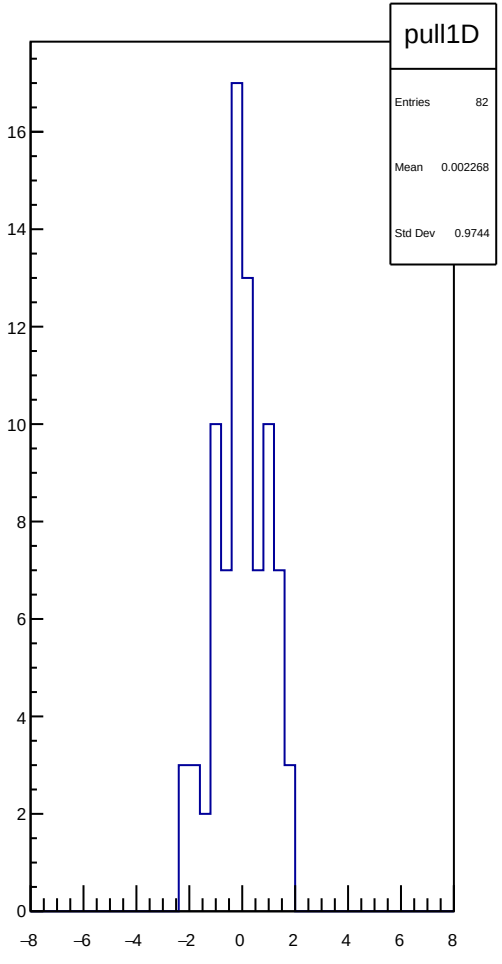

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2818 / 81
p0 35.56 ± 0.0284
42
41
40
39
38
37
36
35
34
33

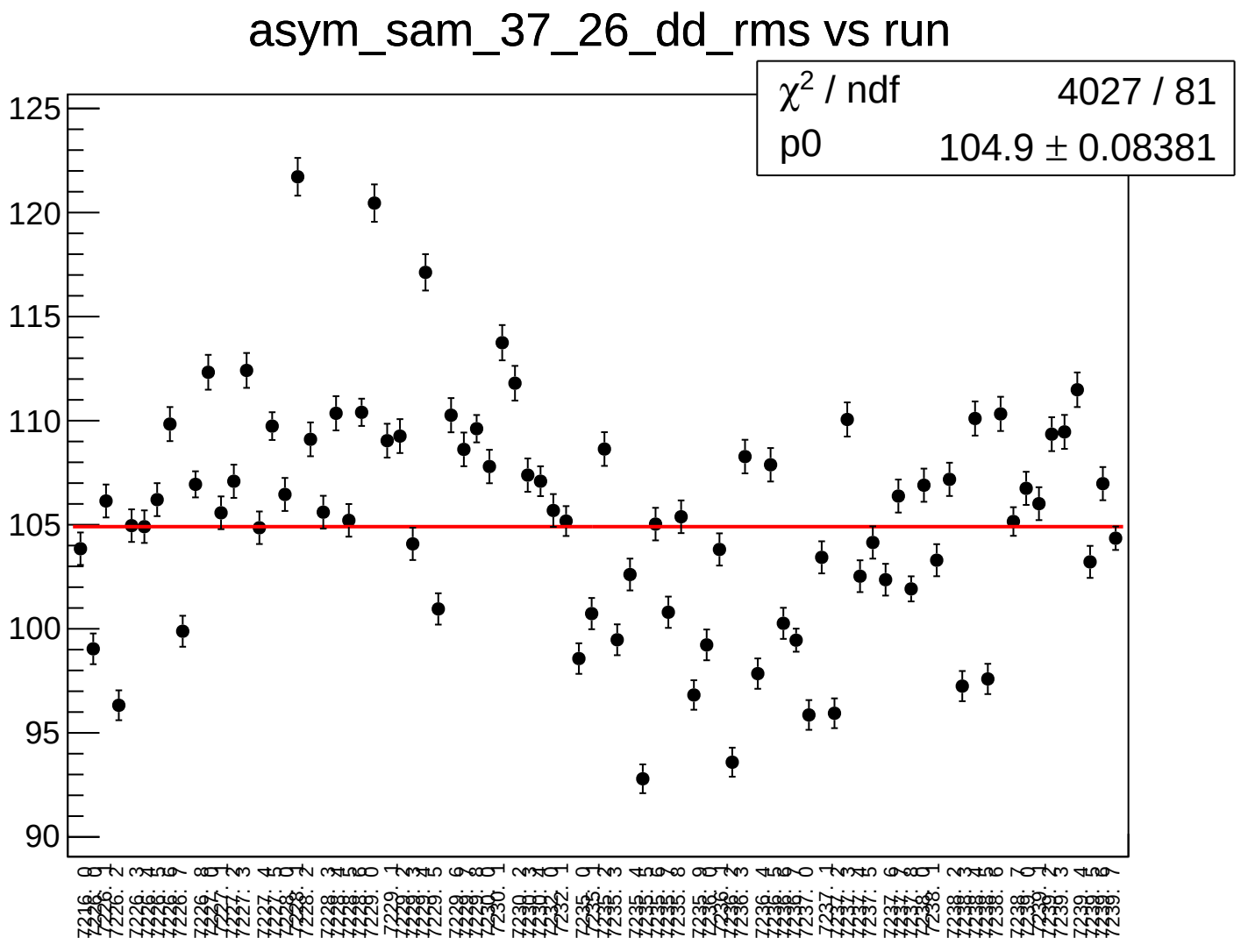

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 75.67 / 81
p0 −73.38 ± 121
pull
Entries 82
Mean −583.1
Std Dev 634.7

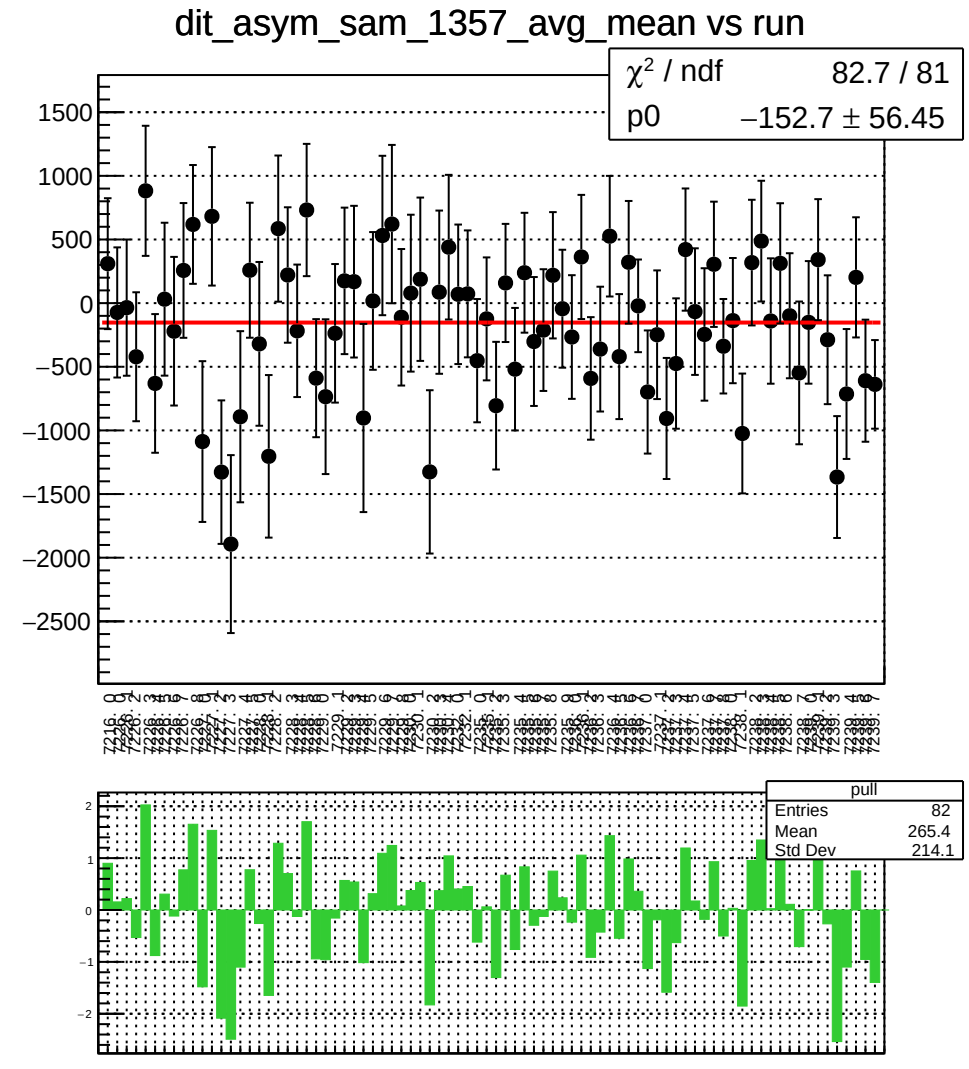

pull1D
Entries 82
Mean −0.001841
Std Dev 0.9606

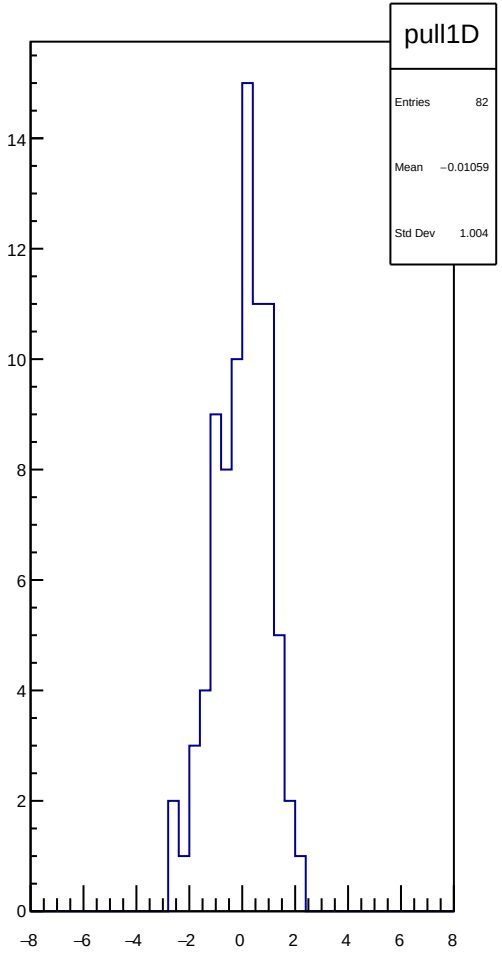

asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 2805 / 81
p0 107.1 ± 0.08554
120
115
110
105
100
95

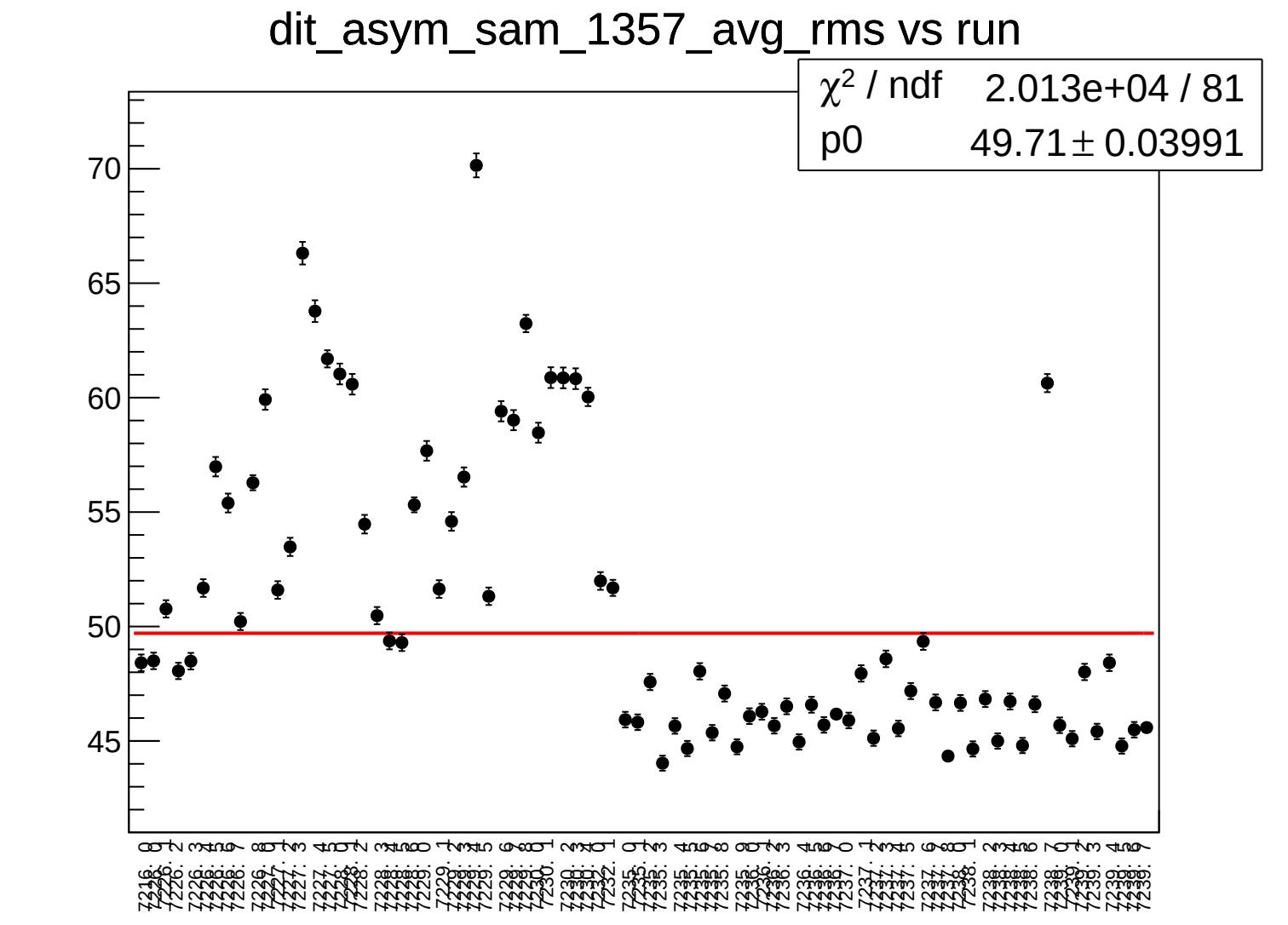

asym_sam_37_26_dd_mean vs run
χ² / ndf 77.86 / 81
p0 −36.18 ± 118.5
pull
Entries 82
Mean −569.6
Std Dev 622.9

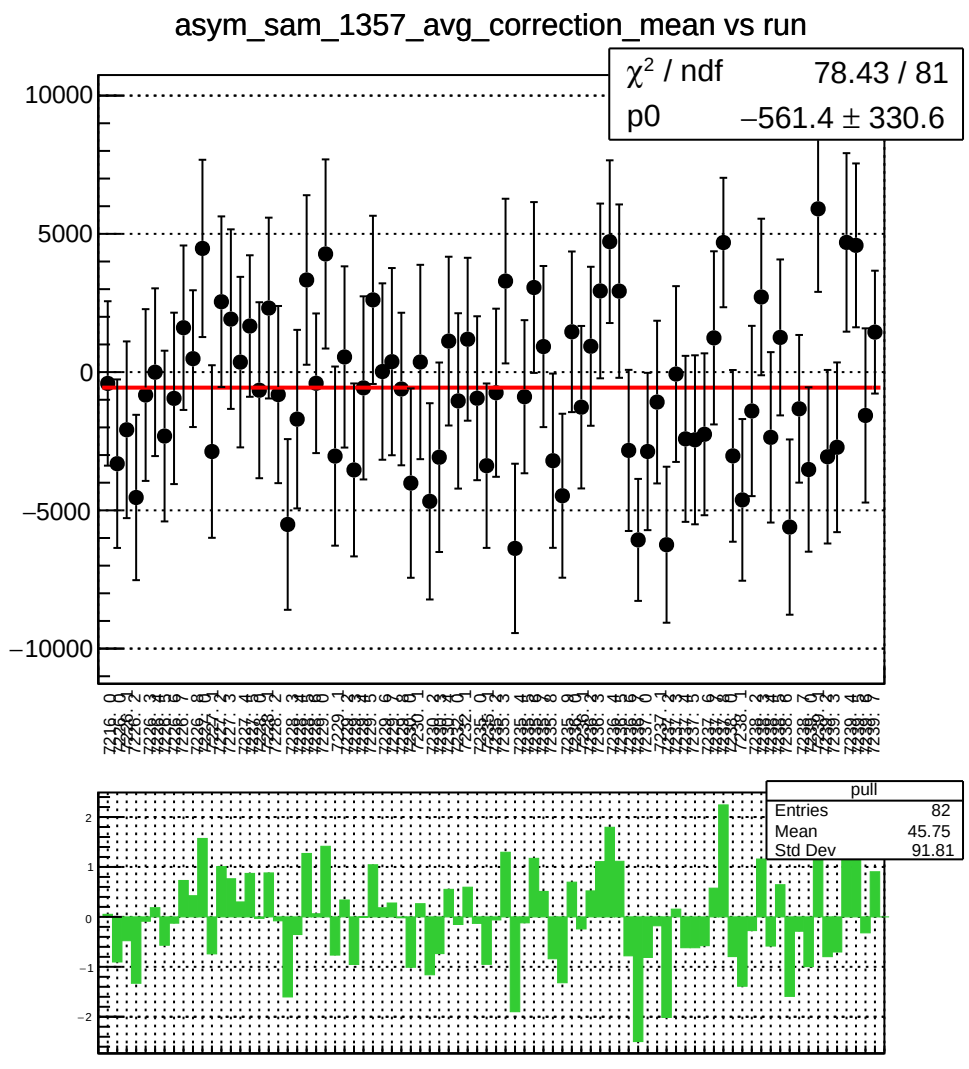

pull1D
Entries 82
Mean 0.002268
Std Dev 0.9744

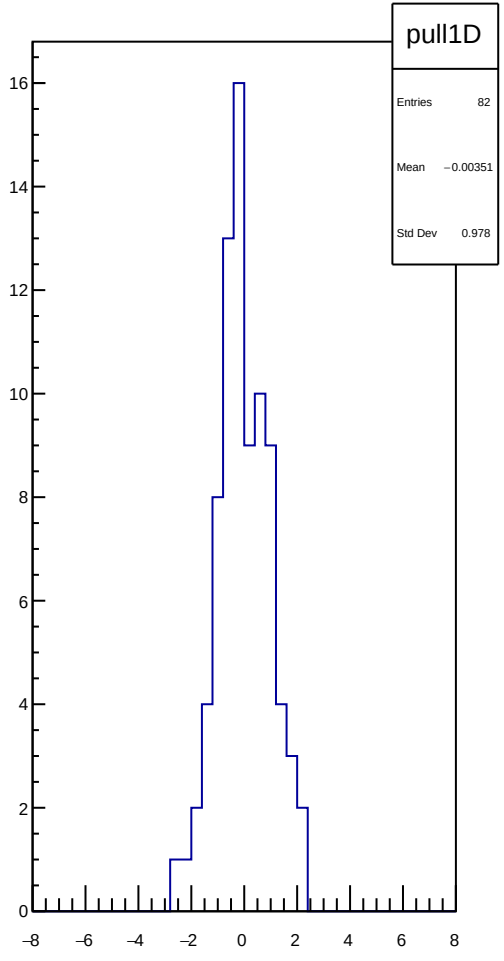

asym_sam_37_26_dd_rms vs run
χ² / ndf 4027 / 81
p0 104.9 ± 0.08381
125
120
115
110
105
100
95
90

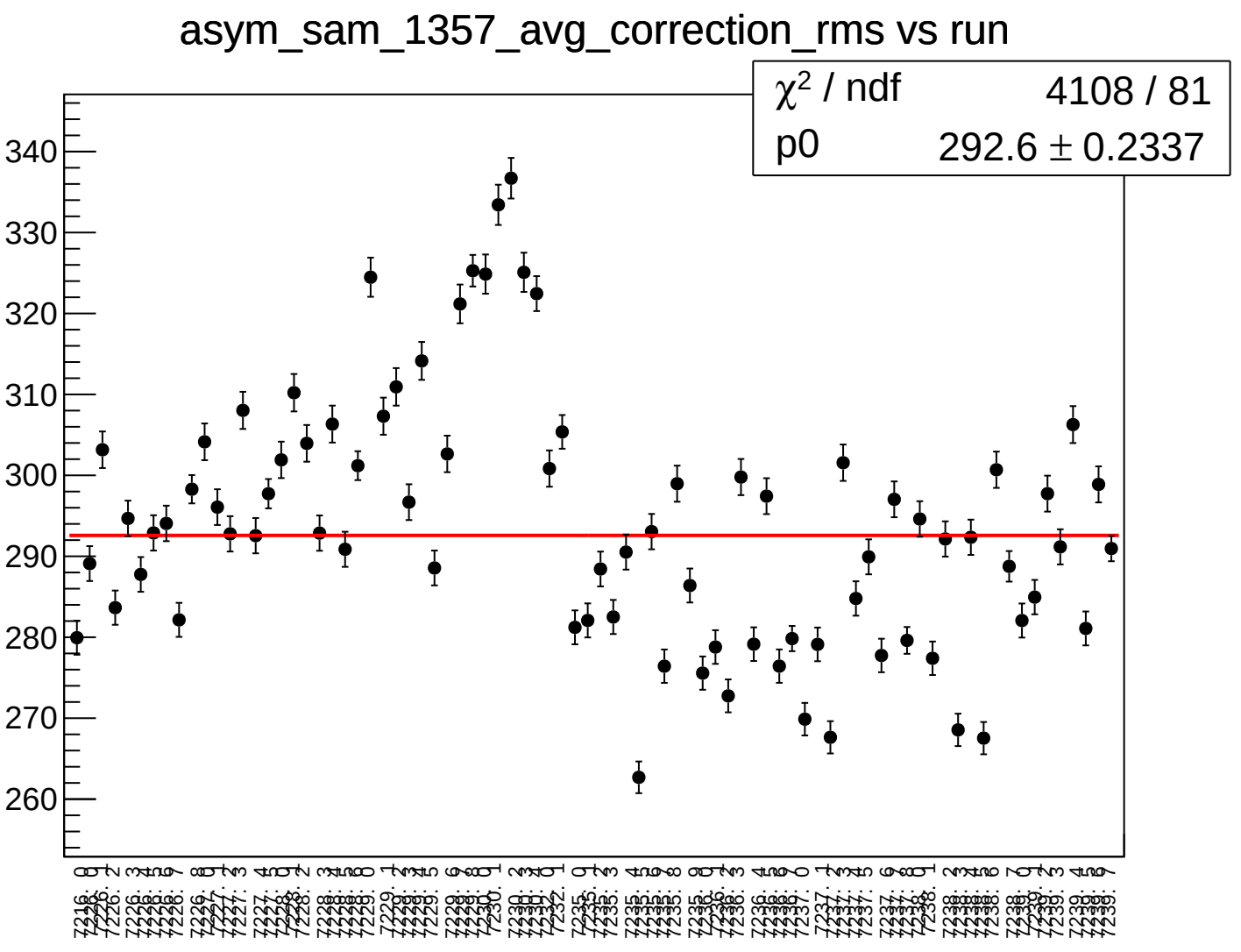

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 82.7 / 81
p0 −152.7 ± 56.45
pull
Entries 82
Mean 265.4
Std Dev 214.1

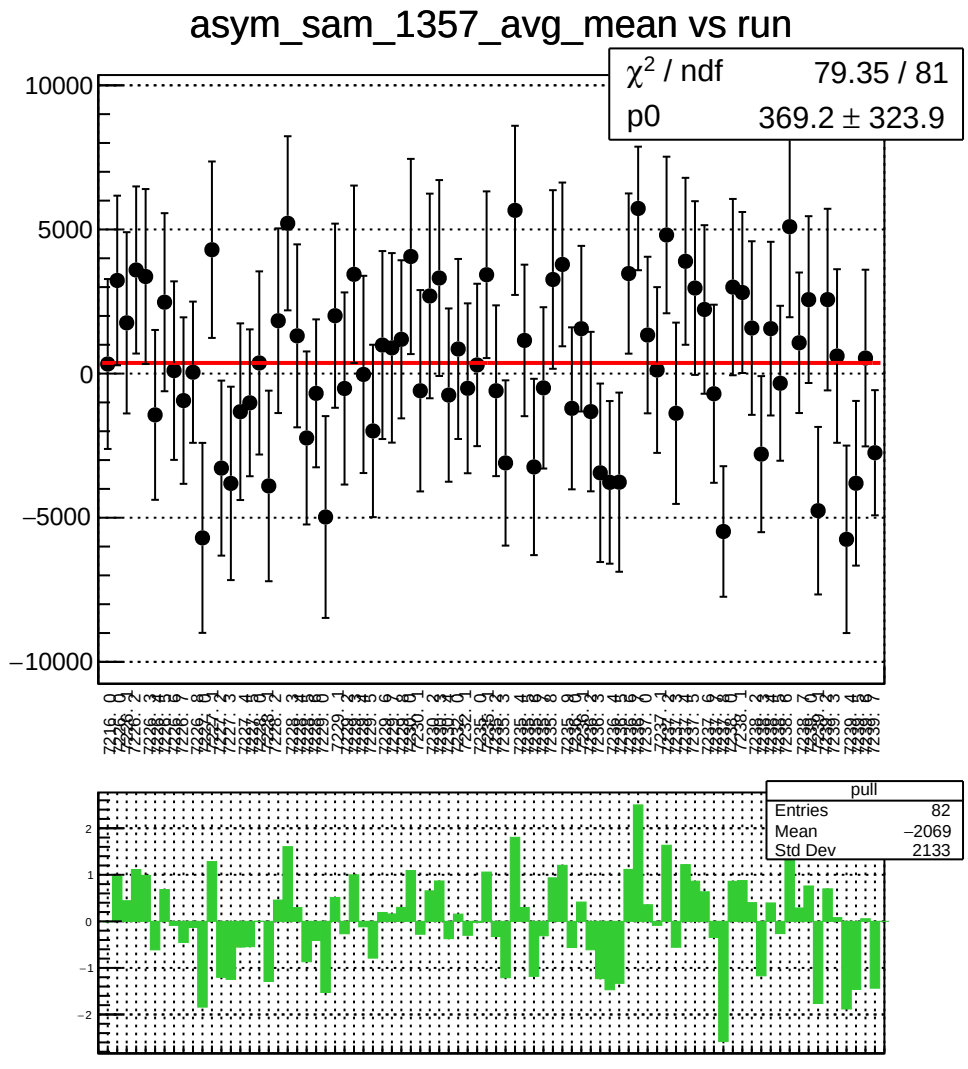

pull1D
Entries 82
Mean −0.01059
Std Dev 1.004

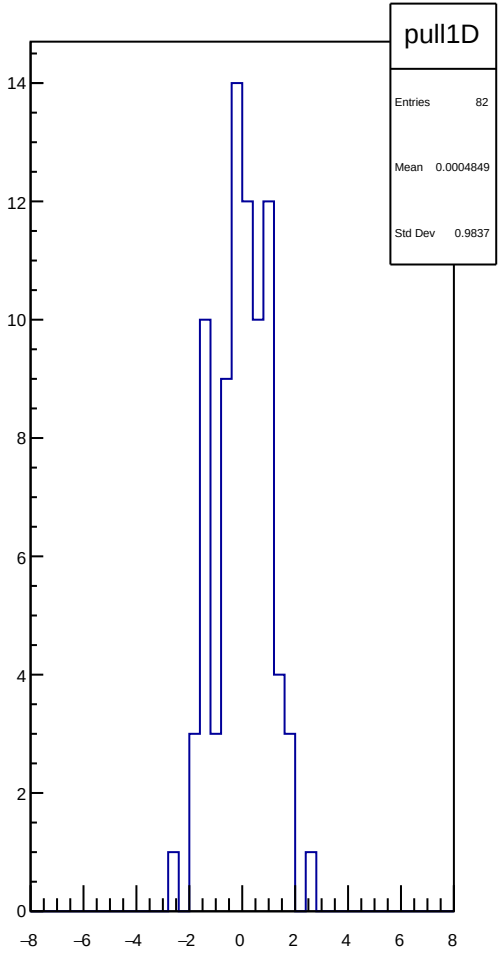

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.013e+04 / 81
p0 49.71 ± 0.03991
70
65
60
55
50
45

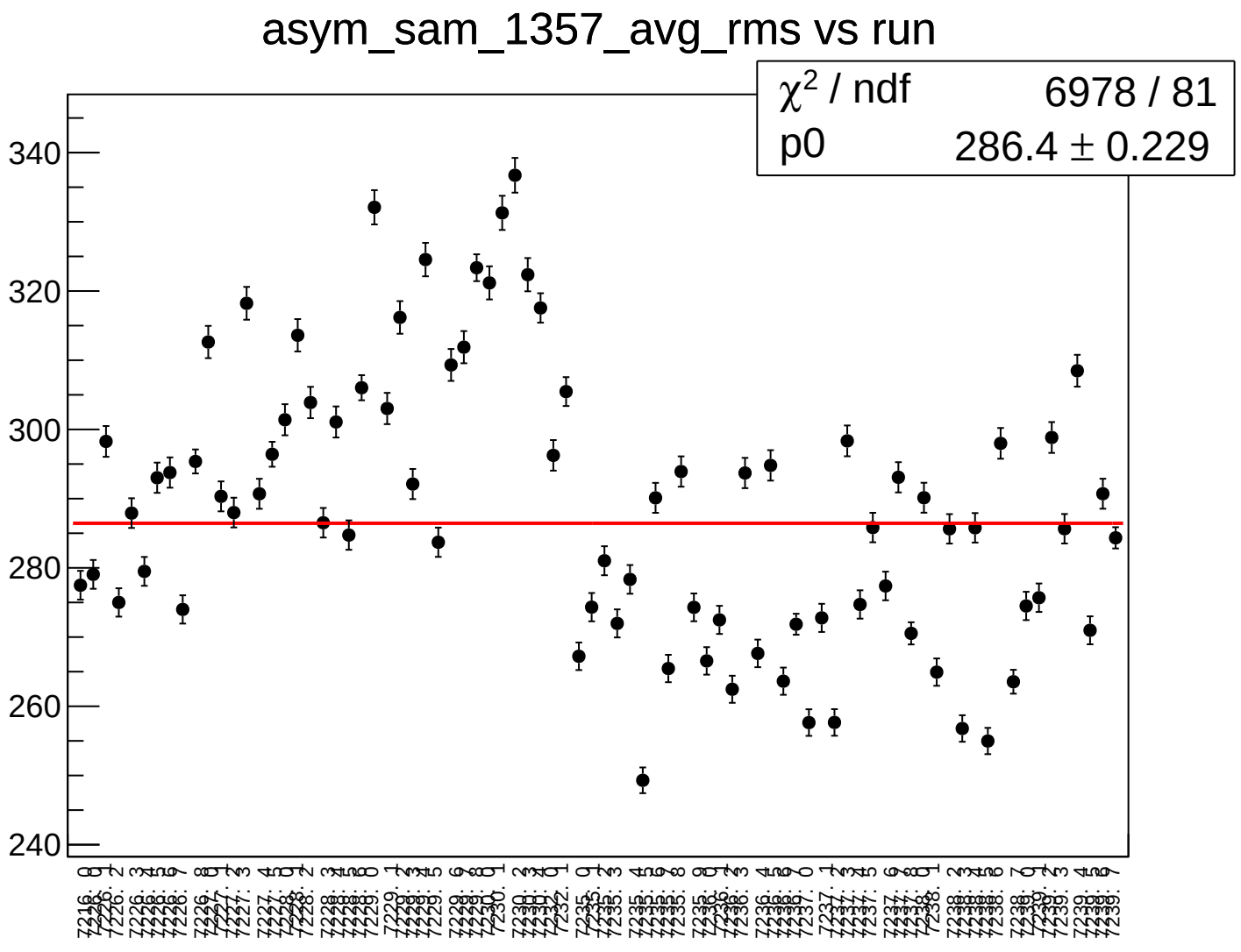

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 78.43 / 81
p0 −561.4 ± 330.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 45.75
Std Dev 91.81
2
1
0
−1
−2

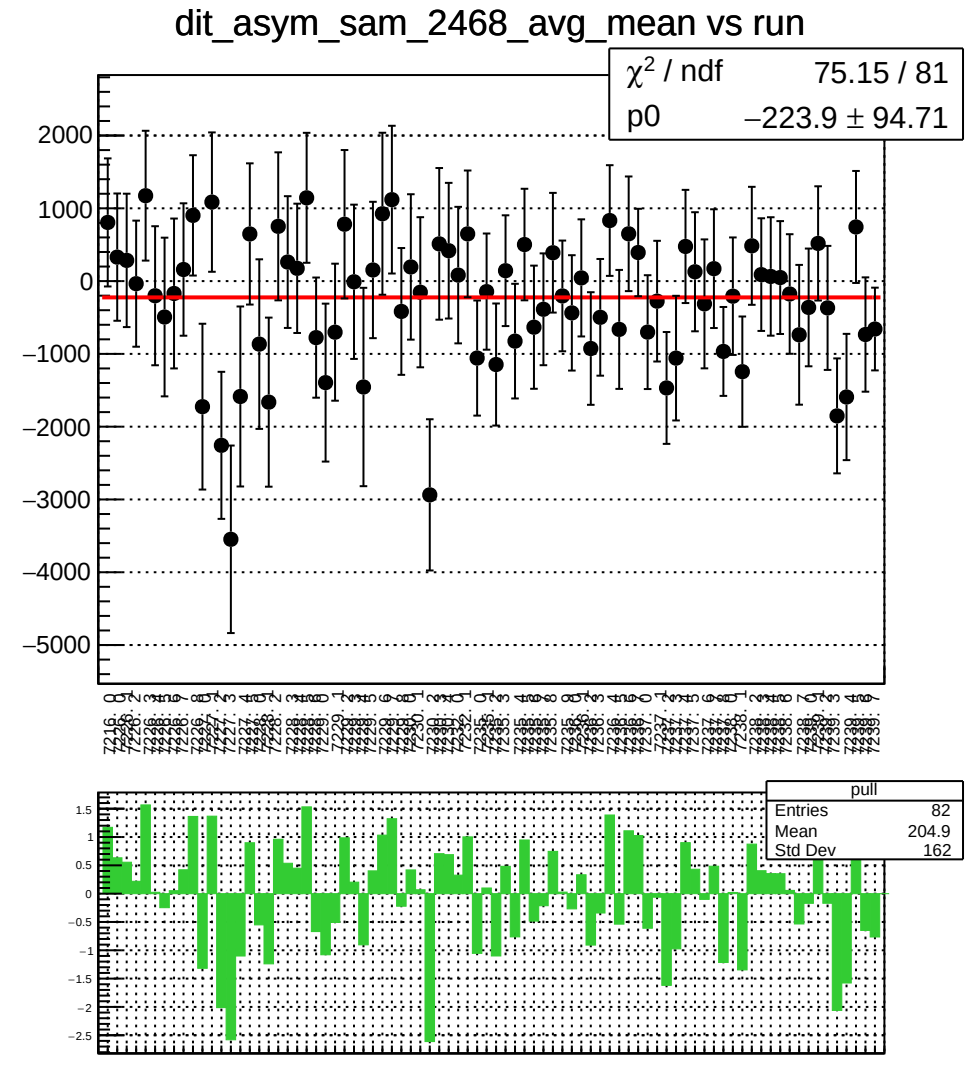

pull1D
Entries 82
Mean −0.00351
Std Dev 0.978
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

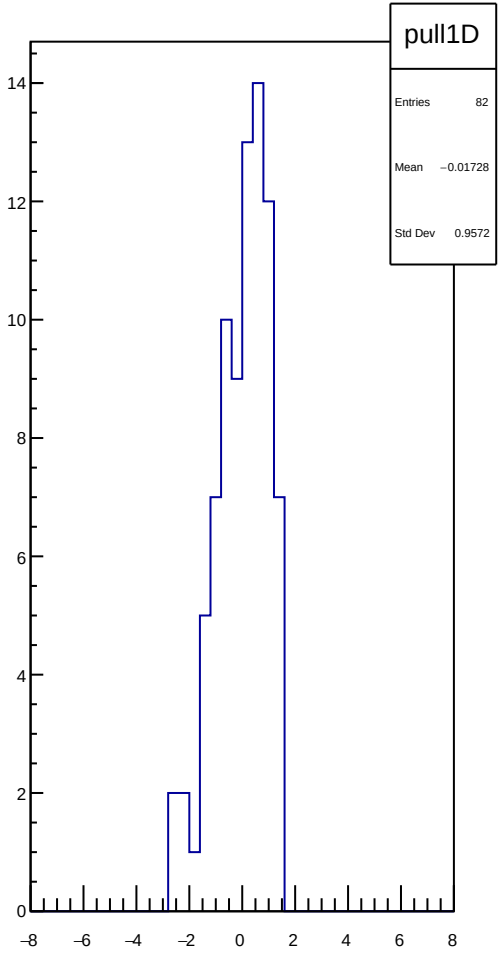

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 4108 / 81
p0 292.6 ± 0.2337
340
330
320
310
300
290
280
270
260

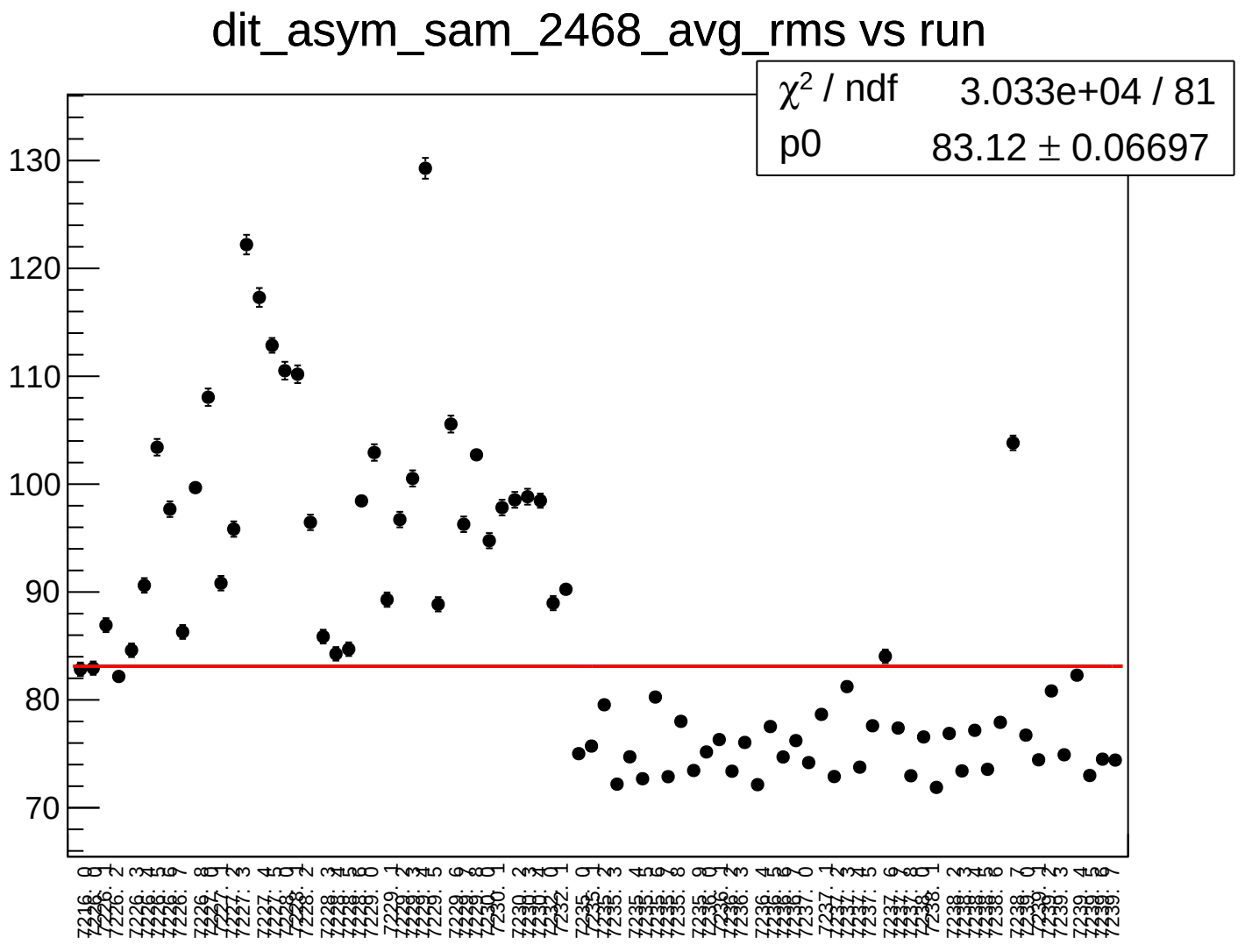

asym_sam_1357_avg_mean vs run
χ² / ndf 79.35 / 81
p0 369.2 ± 323.9
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −2069
Std Dev 2133
2
1
0
−1
−2

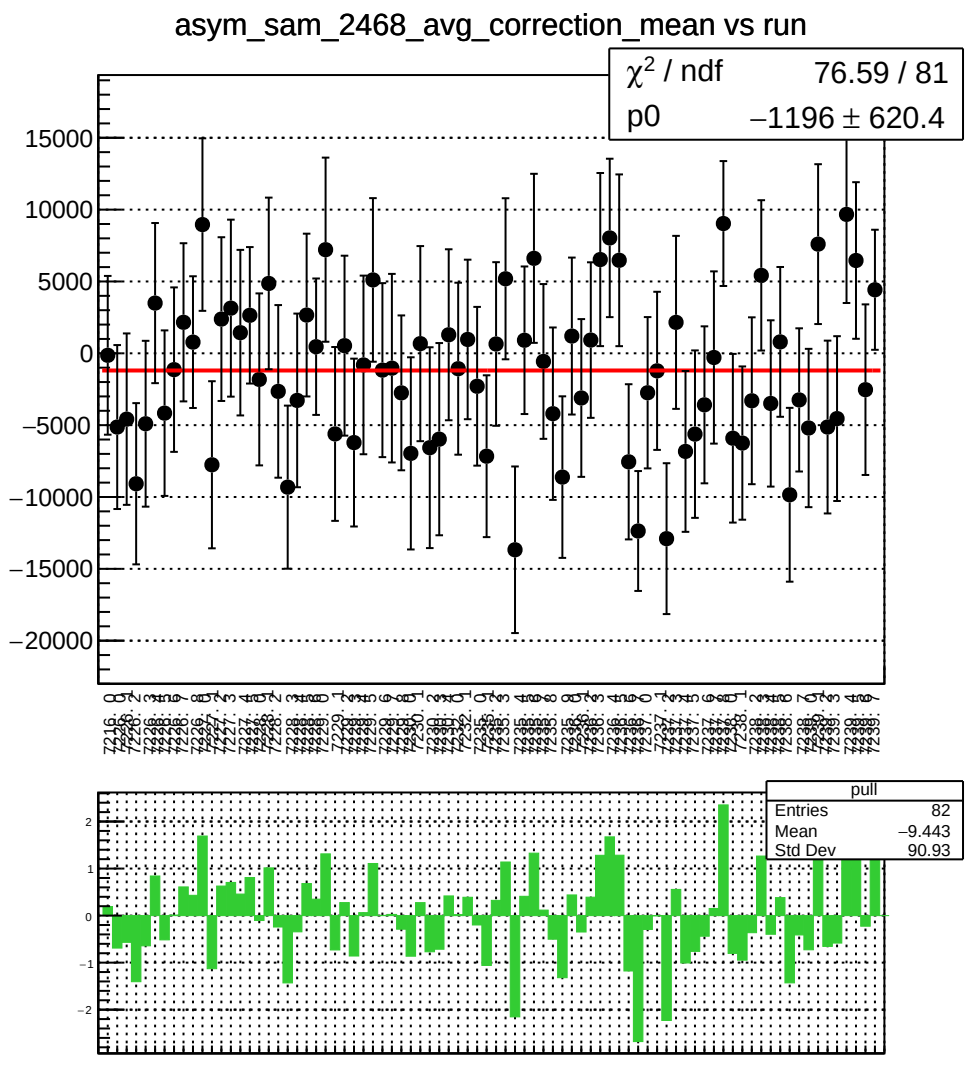

pull1D
Entries 82
Mean 0.0004849
Std Dev 0.9837
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

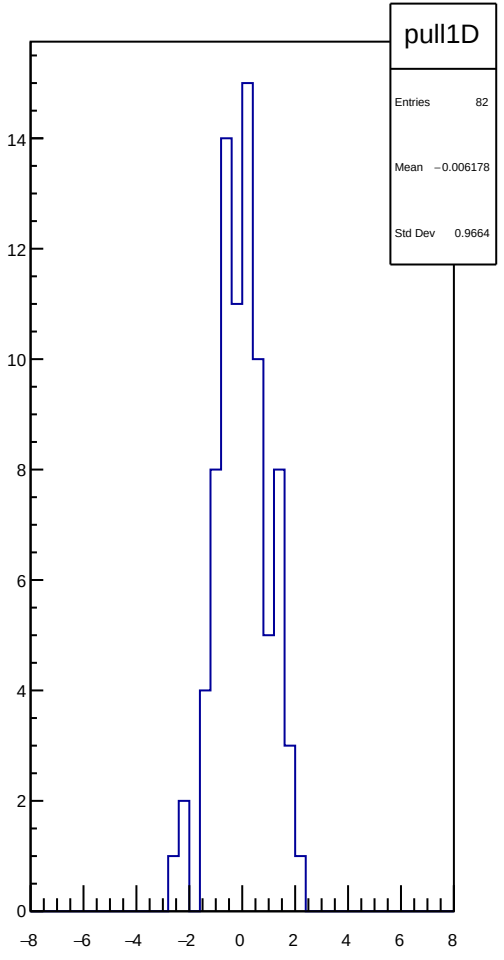

asym_sam_1357_avg_rms vs run
χ² / ndf 6978 / 81
p0 286.4 ± 0.229
340
320
300
280
260
240

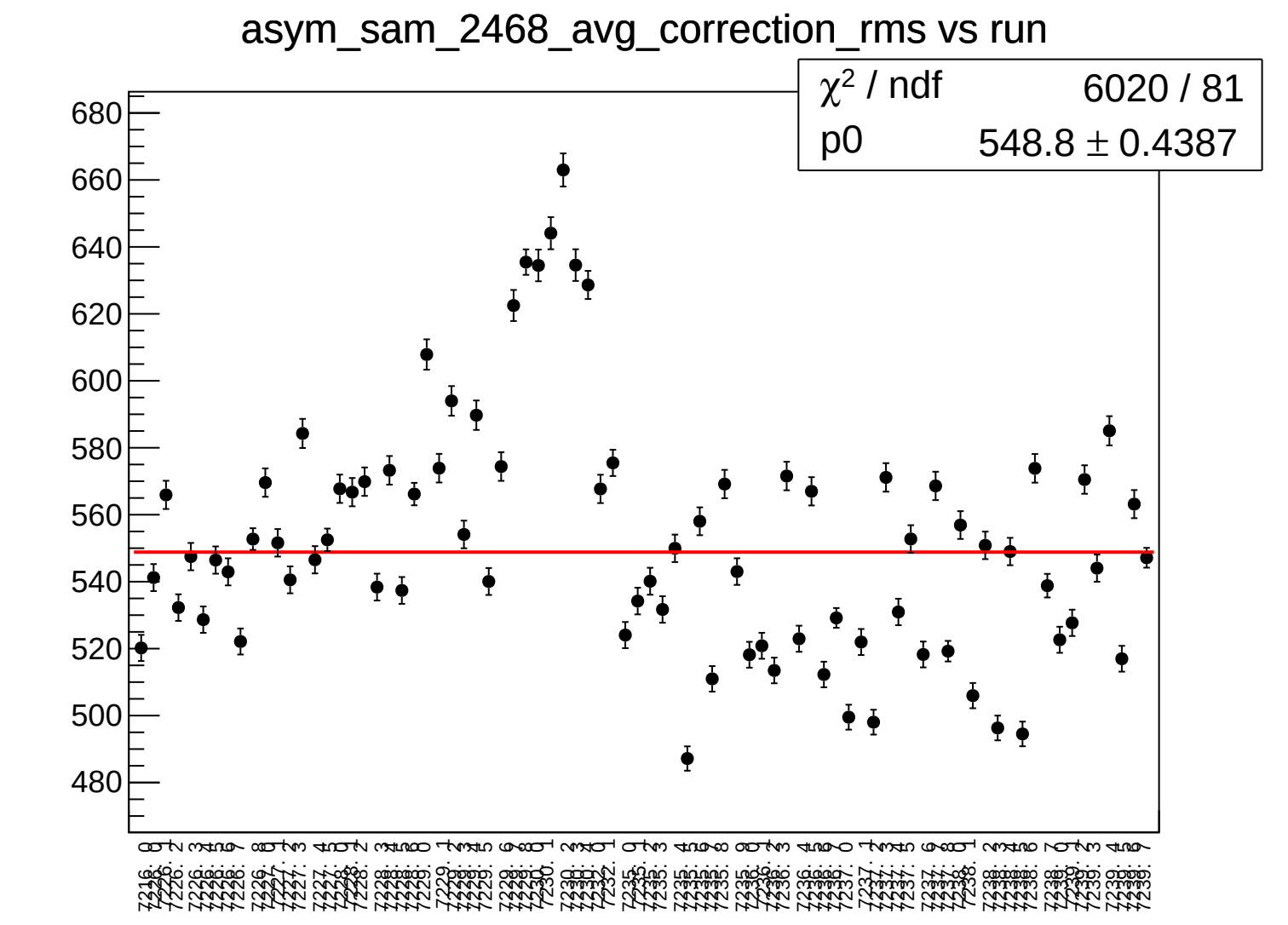

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 75.15 / 81
p0 −223.9 ± 94.71
pull
Entries 82
Mean 204.9
Std Dev 162

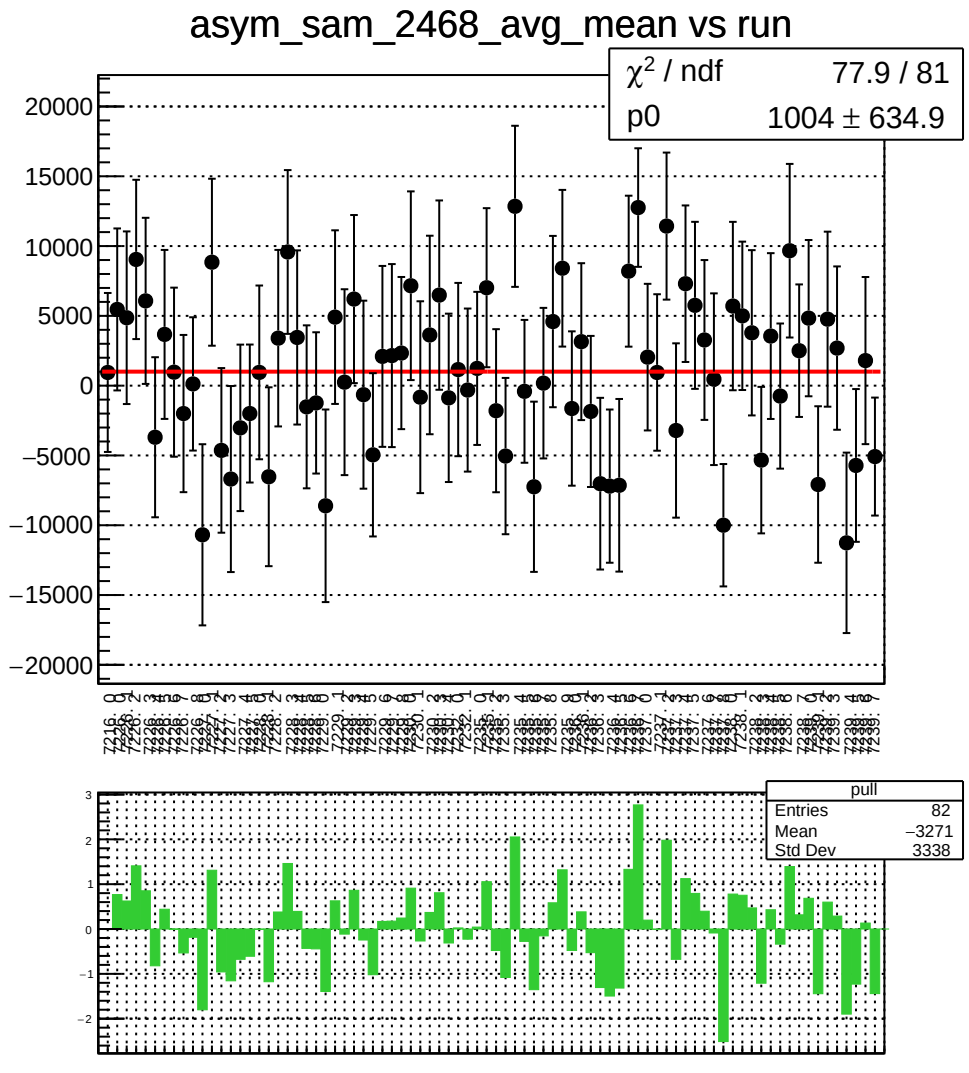

pull1D
Entries 82
Mean −0.01728
Std Dev 0.9572

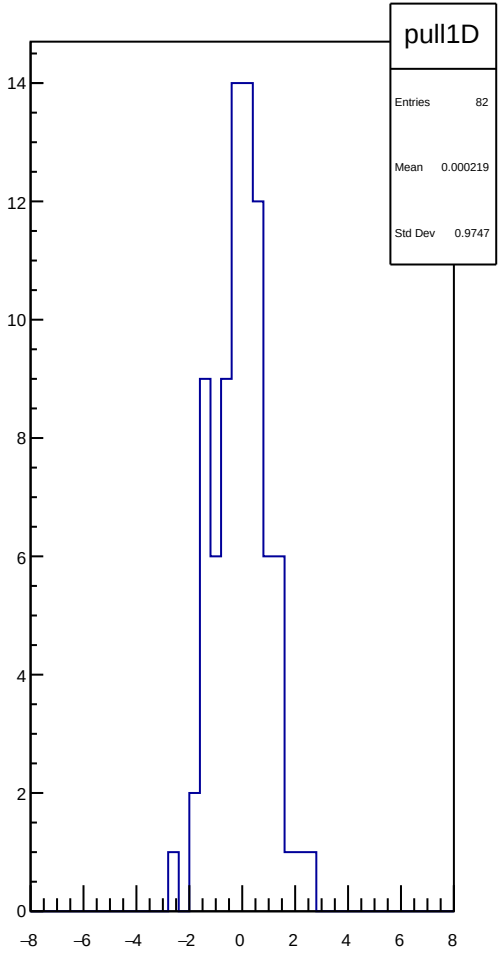

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 3.033e+04 / 81
p0 83.12 ± 0.06697
130
120
110
100
90
80
70

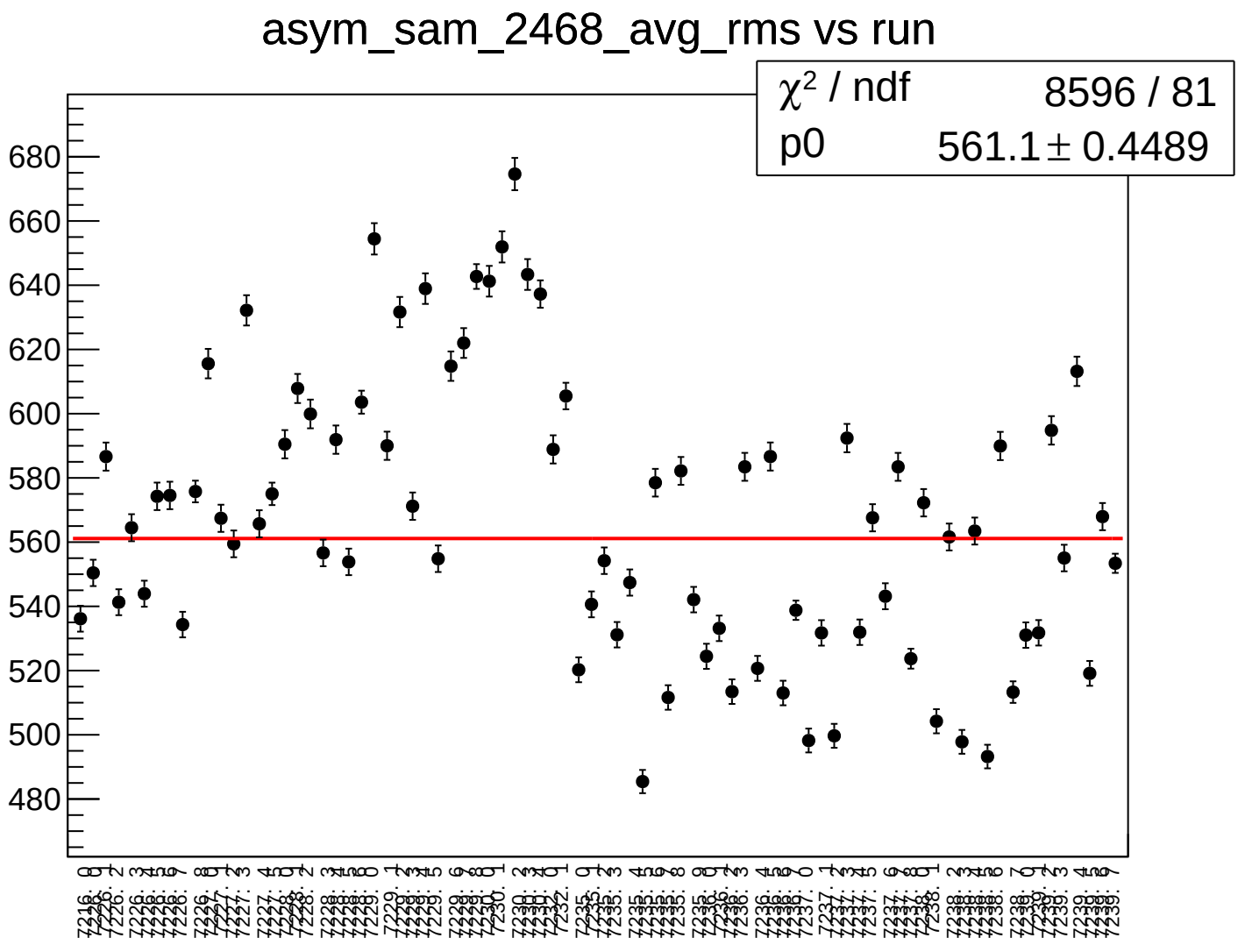

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 76.59 / 81
p0 −1196 ± 620.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 82
Mean −9.443
Std Dev 90.93
2
1
0
−1
−2

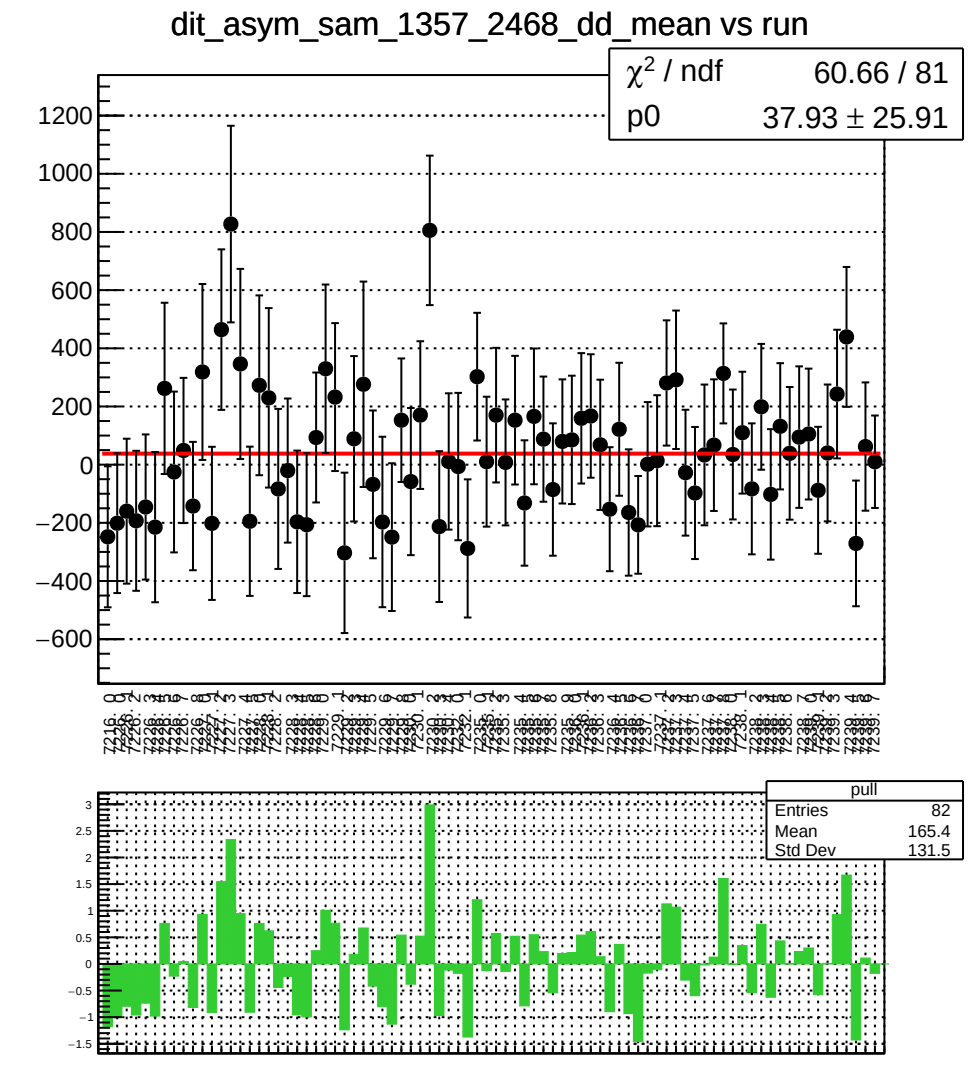

pull1D
Entries 82
Mean −0.006178
Std Dev 0.9664
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

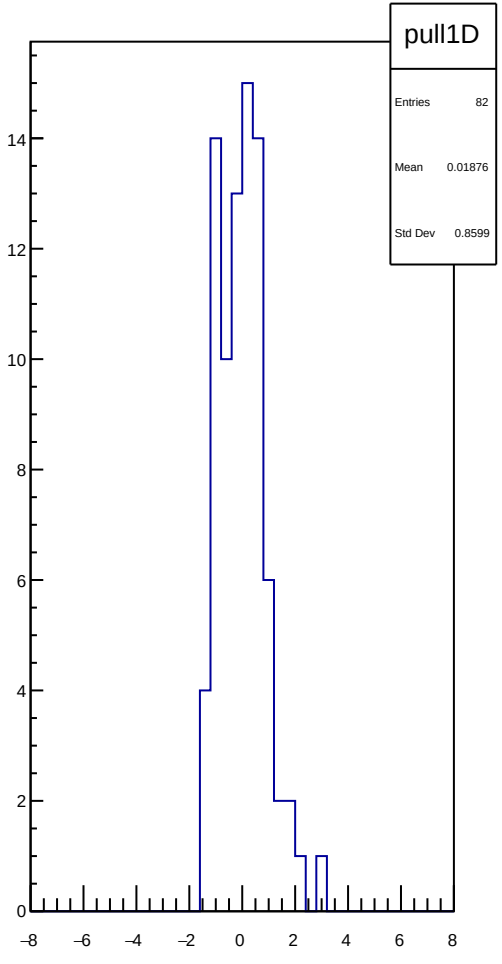

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 6020 / 81
p0 548.8 ± 0.4387
680
660
640
620
600
580
560
540
520
500
480

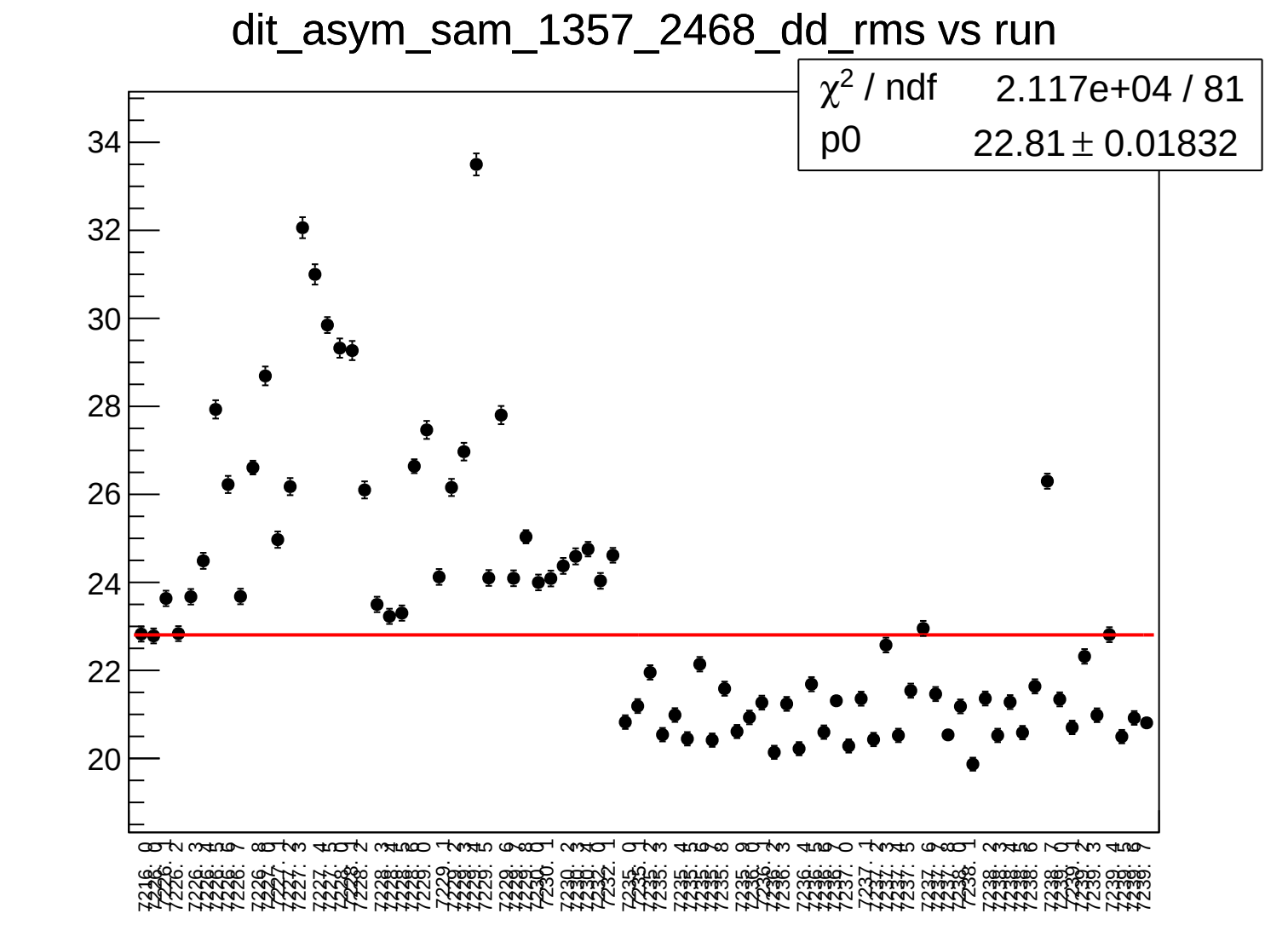

asym_sam_2468_avg_mean vs run
χ² / ndf 77.9 / 81
p0 1004 ± 634.9
pull
Entries 82
Mean −3271
Std Dev 3338

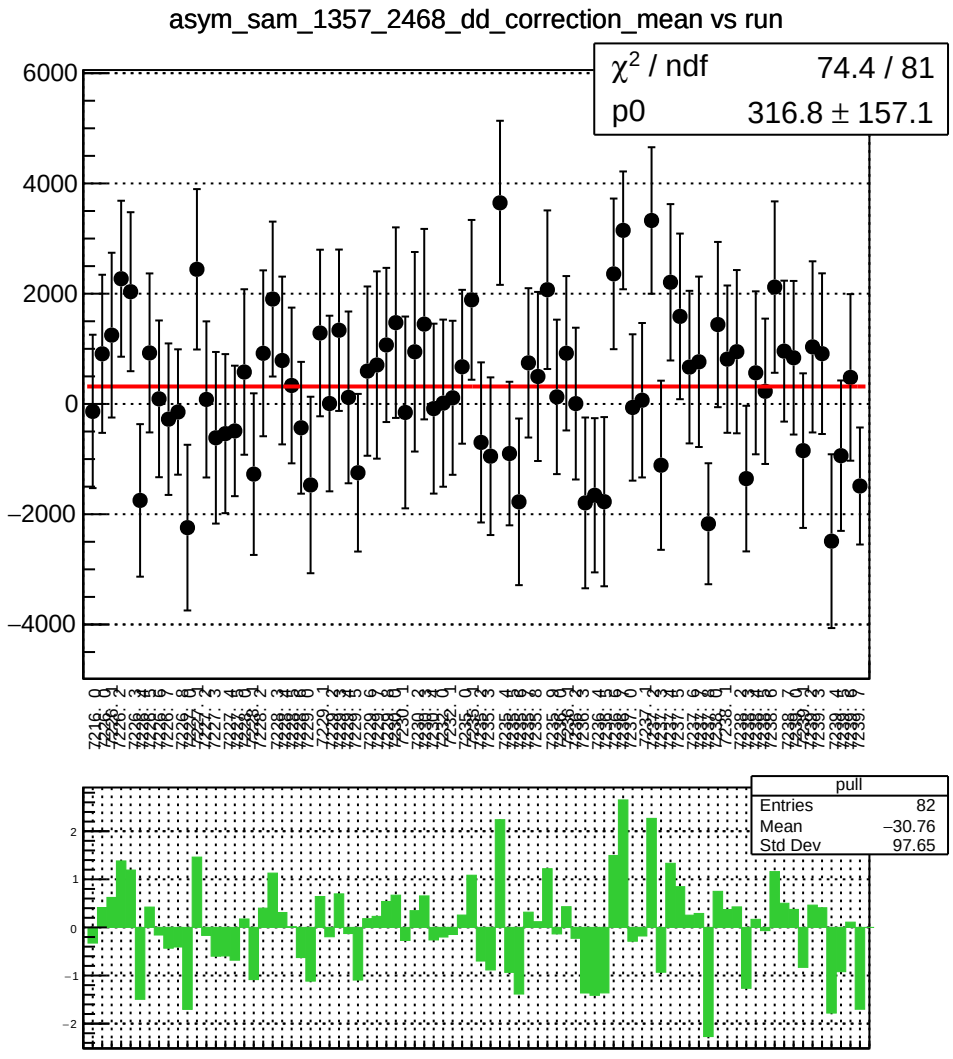

pull1D
Entries 82
Mean 0.000219
Std Dev 0.9747

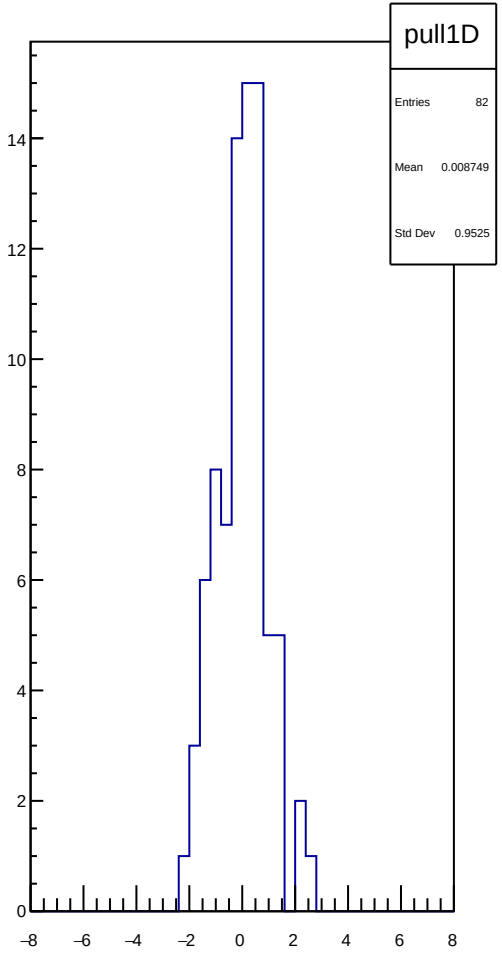

asym_sam_2468_avg_rms vs run
χ² / ndf 8596 / 81
p0 561.1 ± 0.4489
680
660
640
620
600
580
560
540
520
500
480

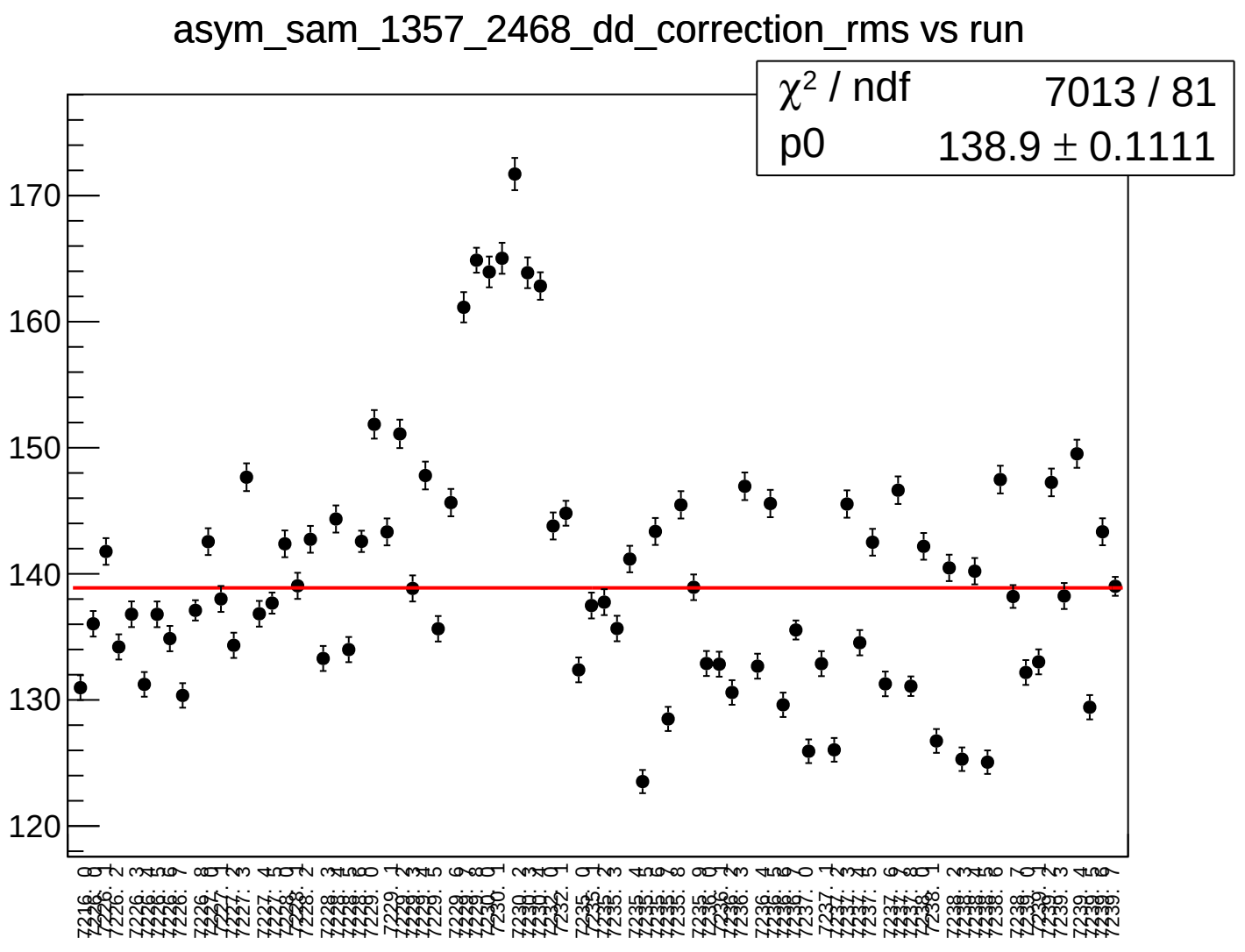

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.66 / 81
p0 37.93 ± 25.91
pull
Entries 82
Mean 165.4
Std Dev 131.5

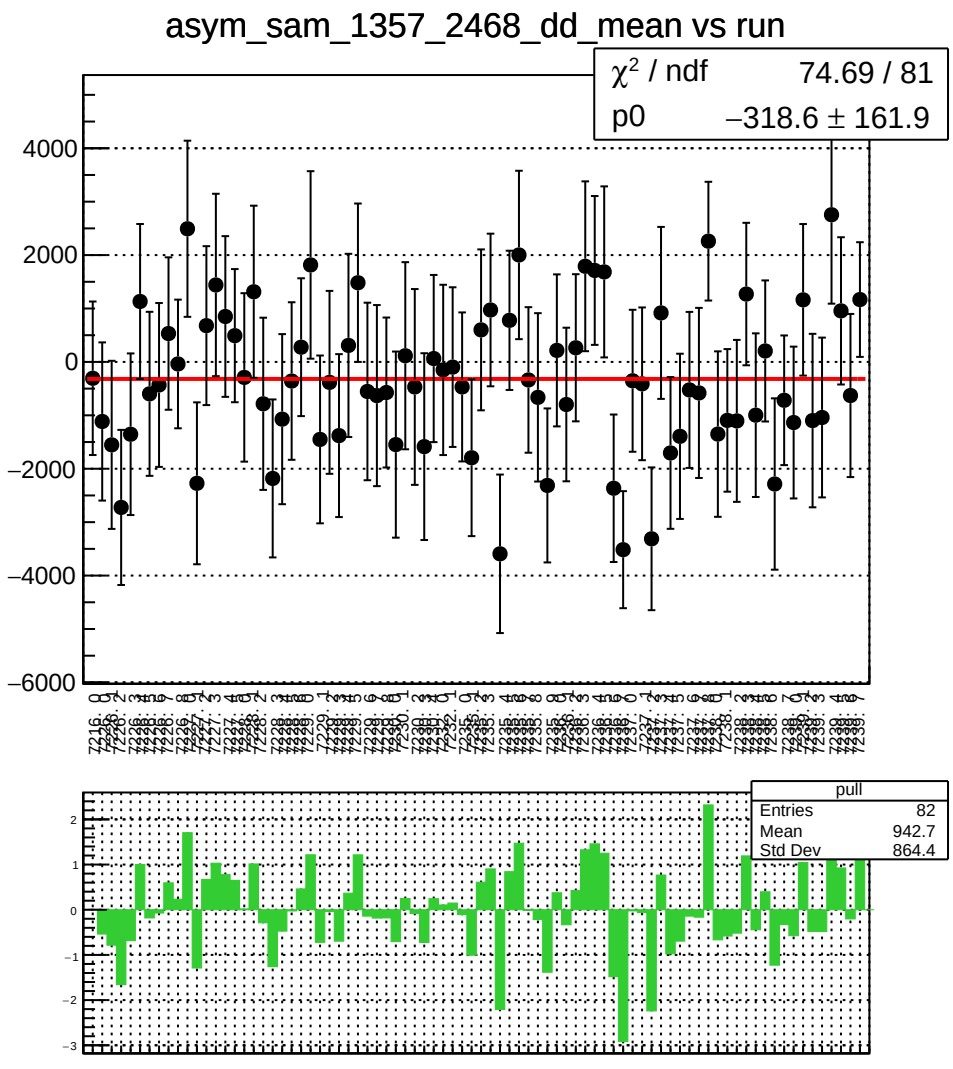

pull1D
Entries 82
Mean 0.01876
Std Dev 0.8599

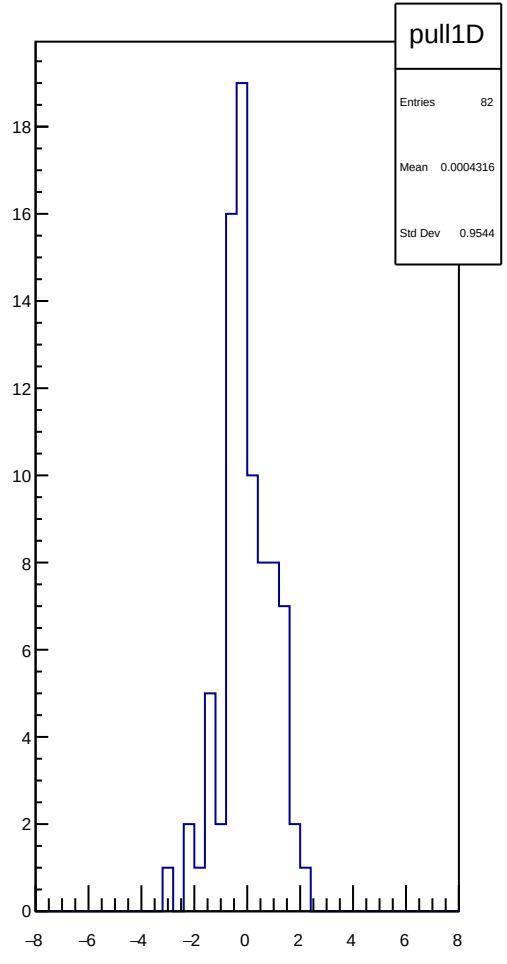

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 2.117e+04 / 81
p0 22.81 ± 0.01832
34
32
30
28
26
24
22
20

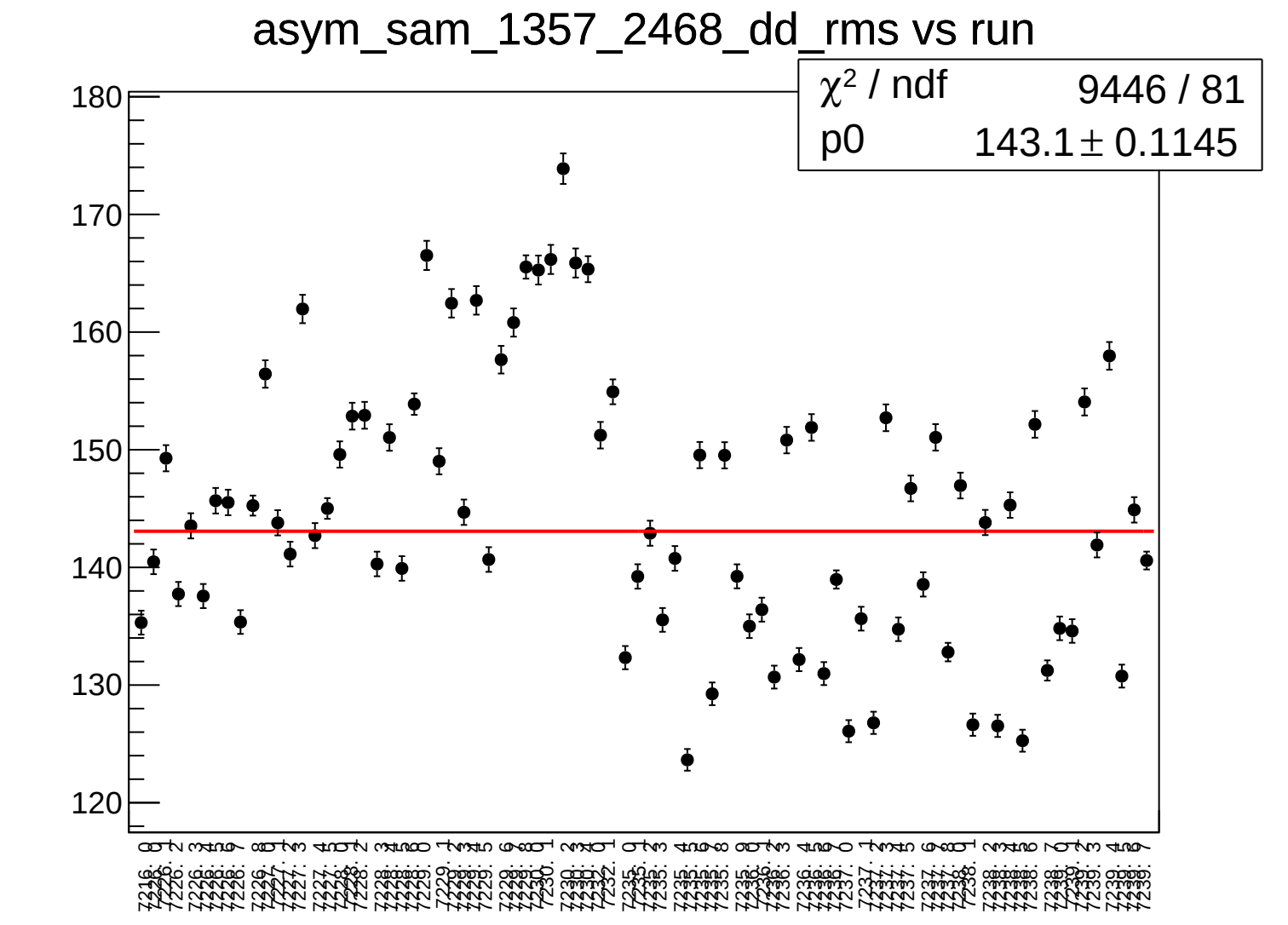

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 74.4 / 81
p0 316.8 ± 157.1
pull
Entries 82
Mean −30.76
Std Dev 97.65

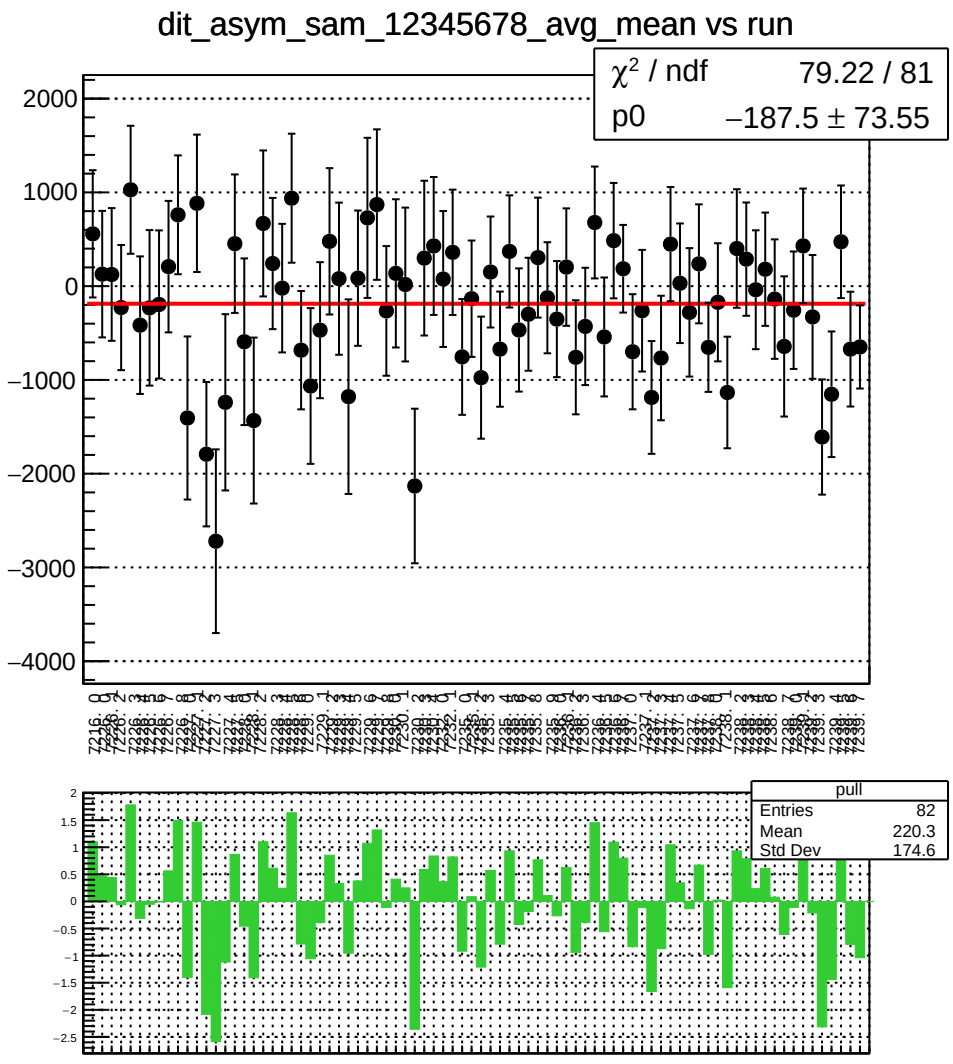

pull1D
Entries 82
Mean 0.008749
Std Dev 0.9525

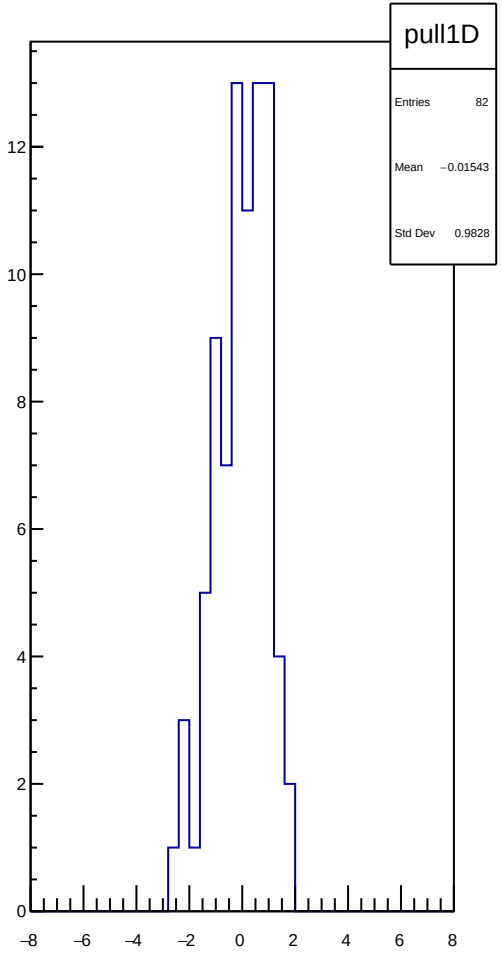

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 7013 / 81
p0 138.9 ± 0.1111
170
160
150
140
130
120

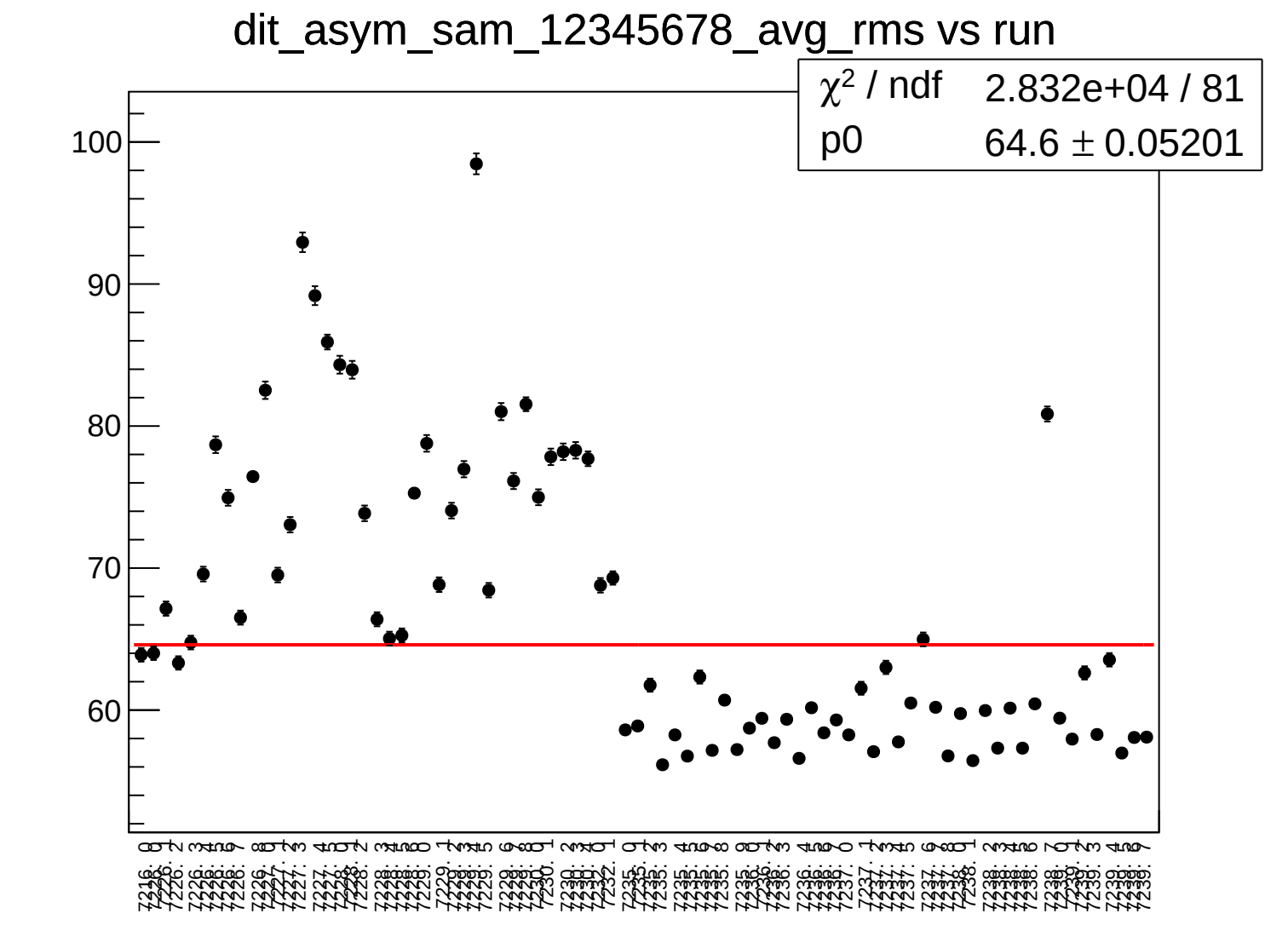

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 74.69 / 81
p0 −318.6 ± 161.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 942.7
Std Dev 864.4
2
1
0
−1
−2
−3

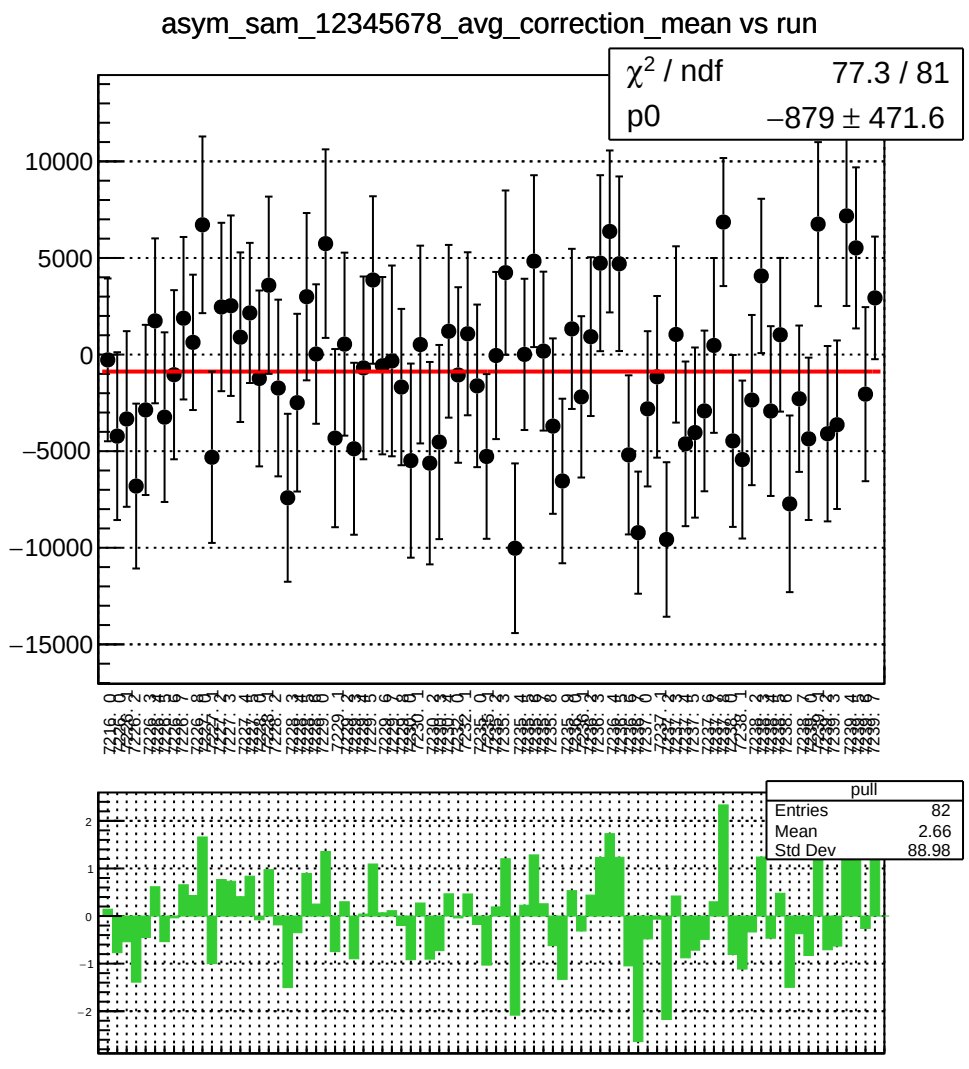

pull1D
Entries 82
Mean 0.0004316
Std Dev 0.9544
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

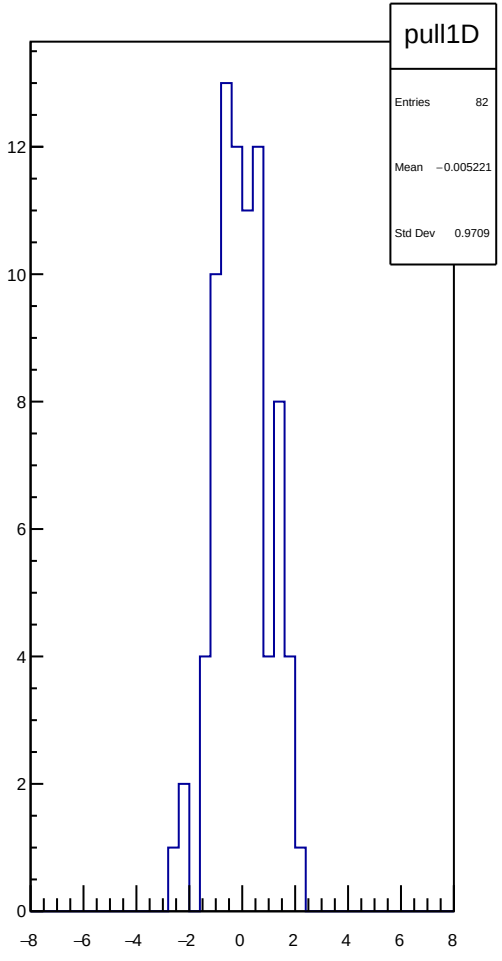

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9446 / 81
p0 143.1 ± 0.1145
180
170
160
150
140
130
120

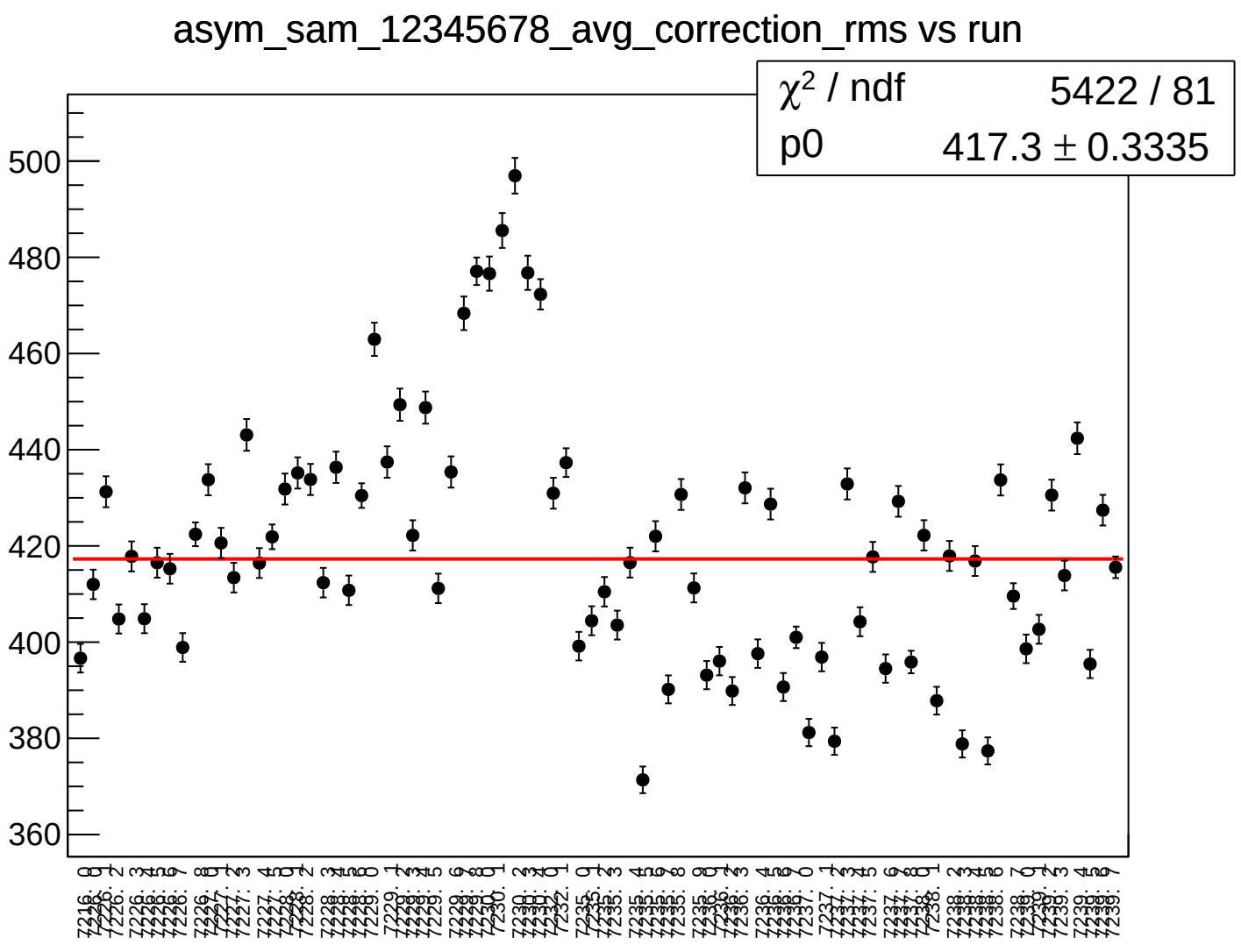

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 79.22 / 81
p0 −187.5 ± 73.55
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 82
Mean 220.3
Std Dev 174.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

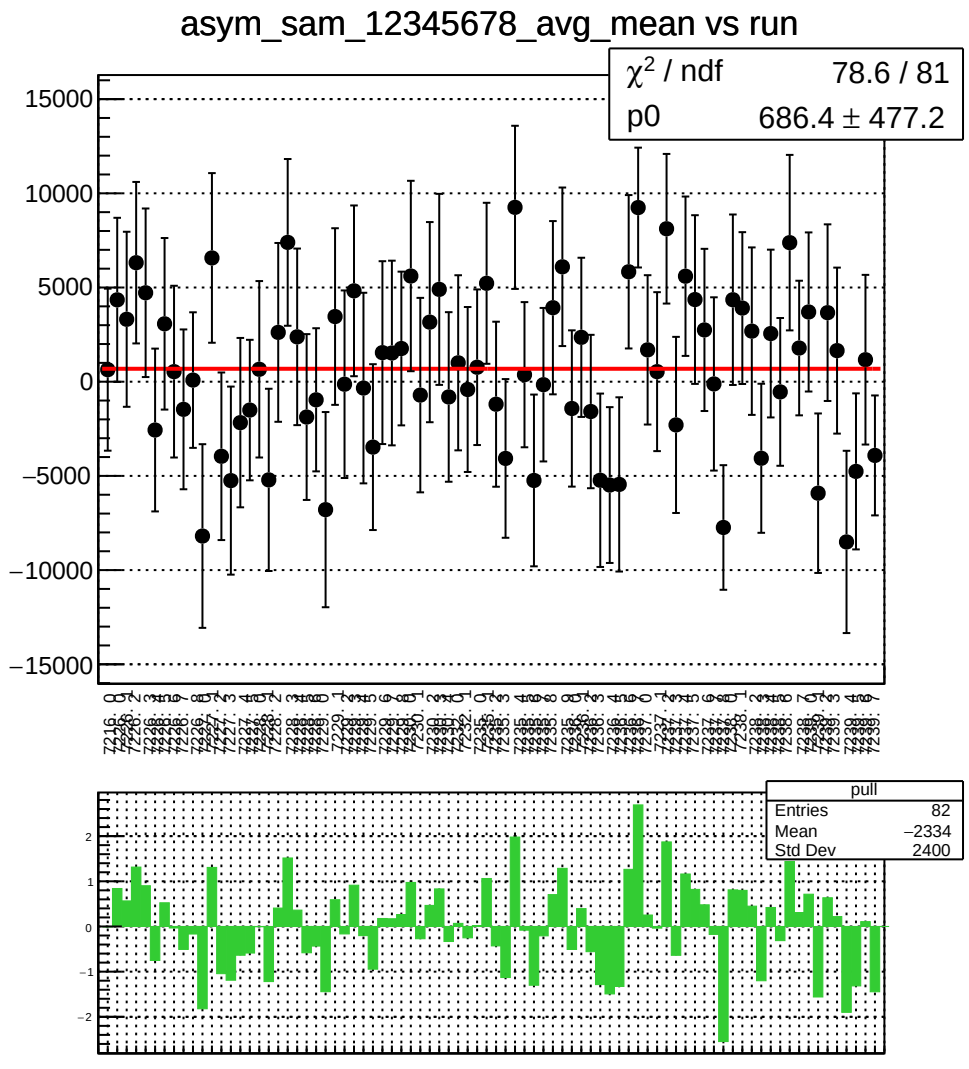

pull1D
Entries 82
Mean −0.01543
Std Dev 0.9828
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

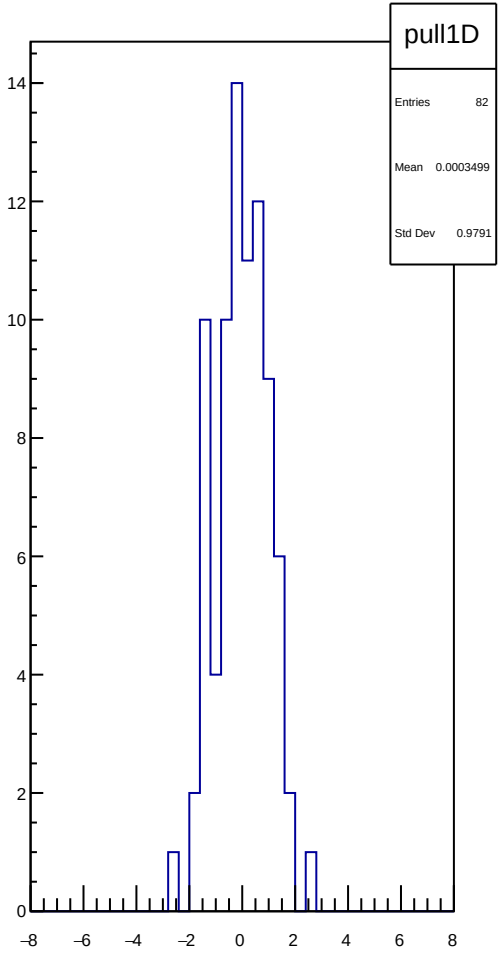

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.832e+04 / 81
p0 64.6 ± 0.05201
100
90
80
70
60

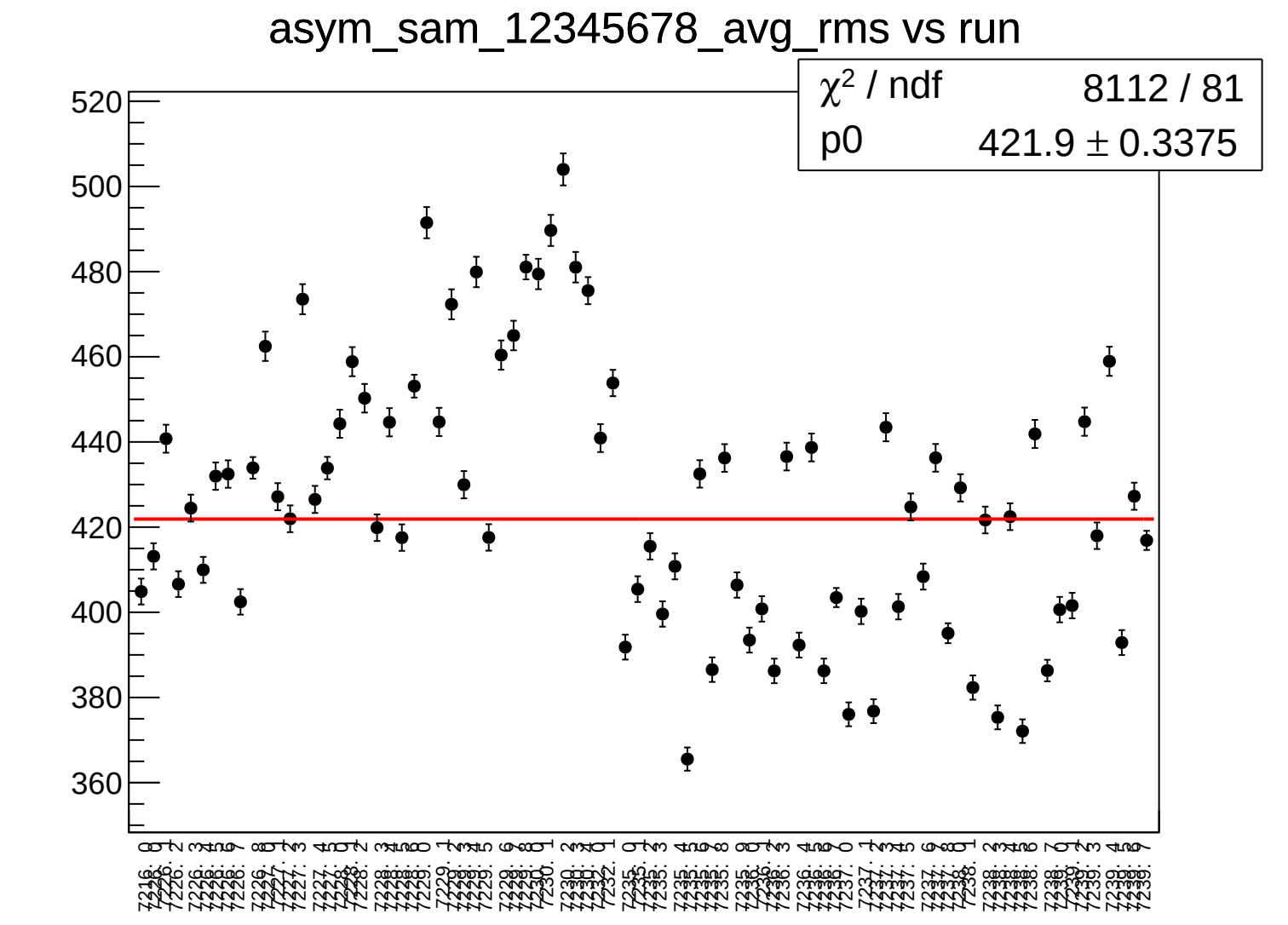

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 77.3 / 81
p0 −879 ± 471.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 2.66
Std Dev 88.98
2
1
0
−1
−2

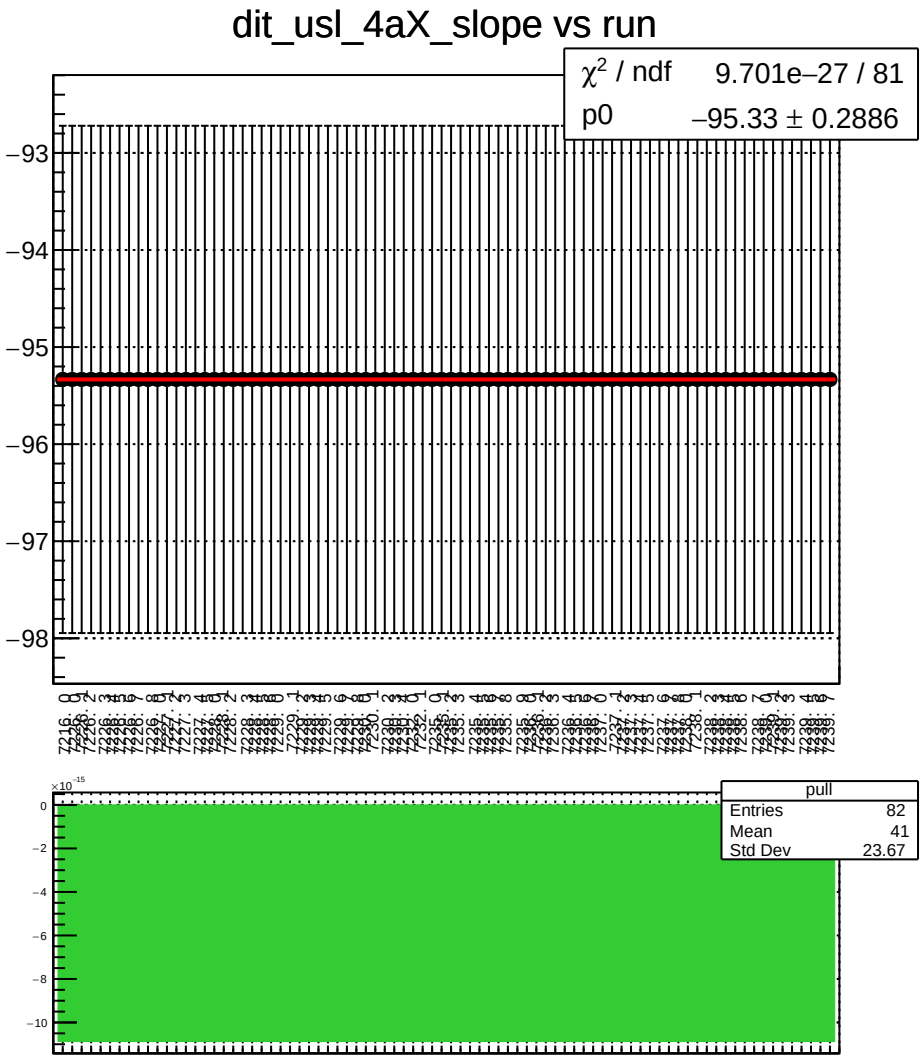

pull1D
Entries 82
Mean −0.005221
Std Dev 0.9709
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

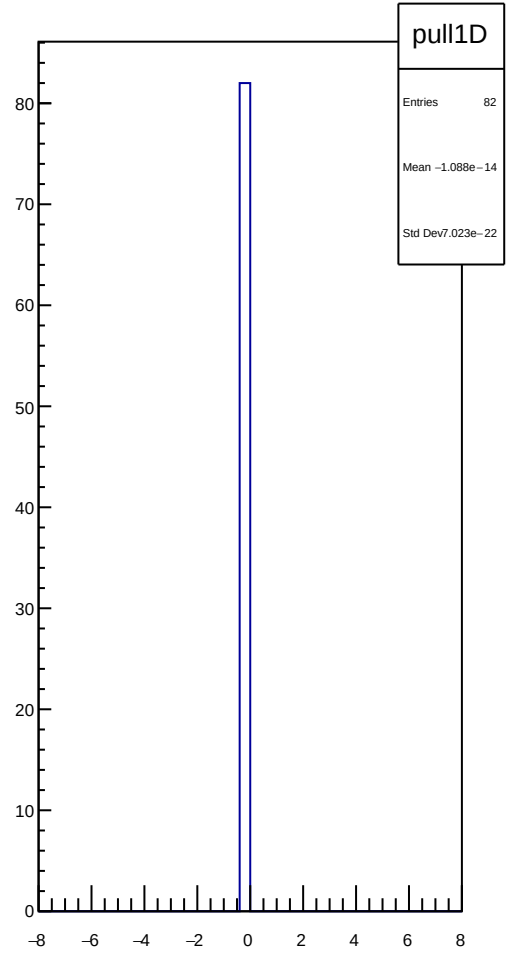

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 5422 / 81
p0 417.3 ± 0.3335
500
480
460
440
420
400
380
360

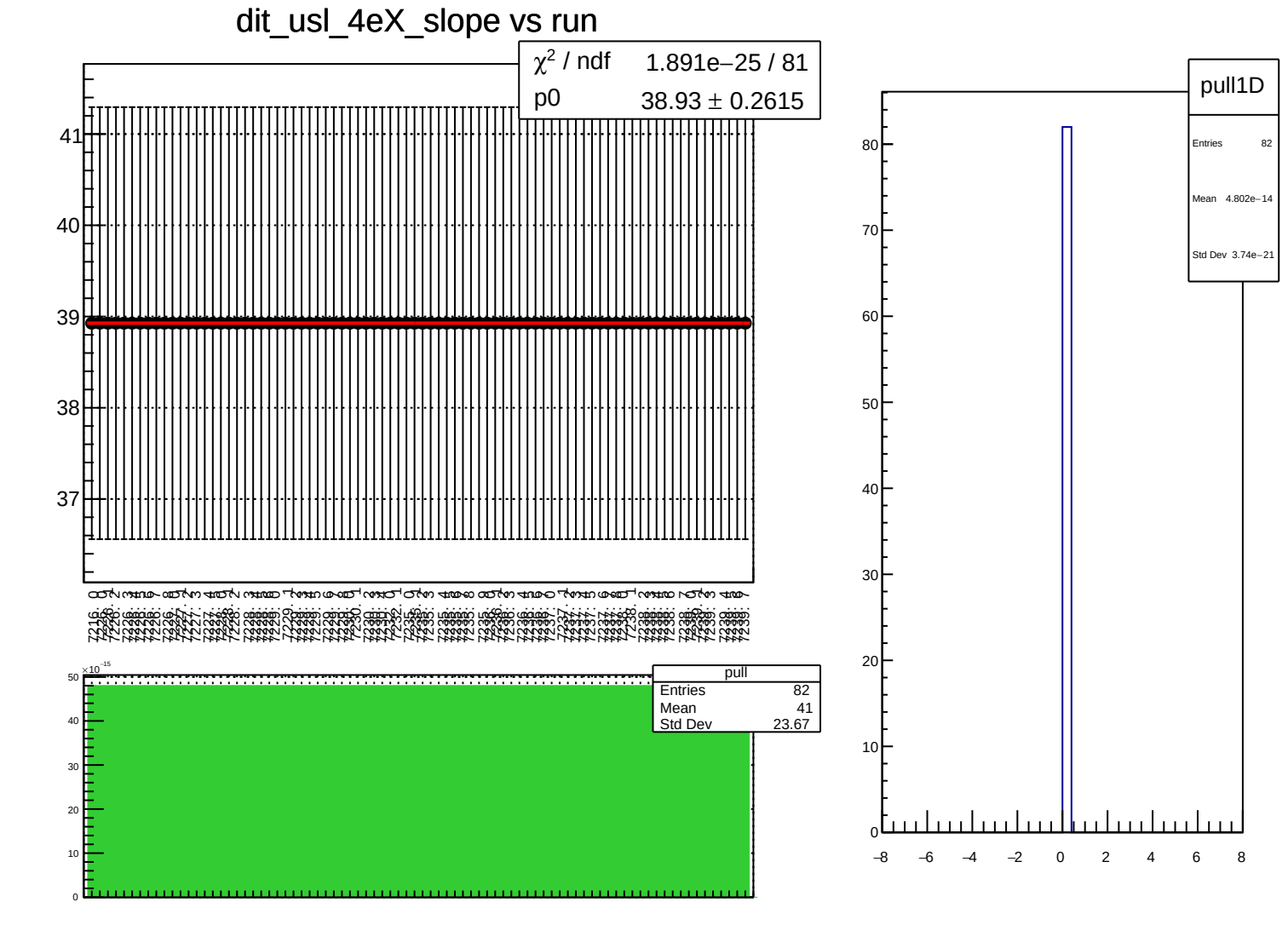

asym_sam_12345678_avg_mean vs run
χ² / ndf 78.6 / 81
p0 686.4 ± 477.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −2334
Std Dev 2400
2
1
0
−1
−2

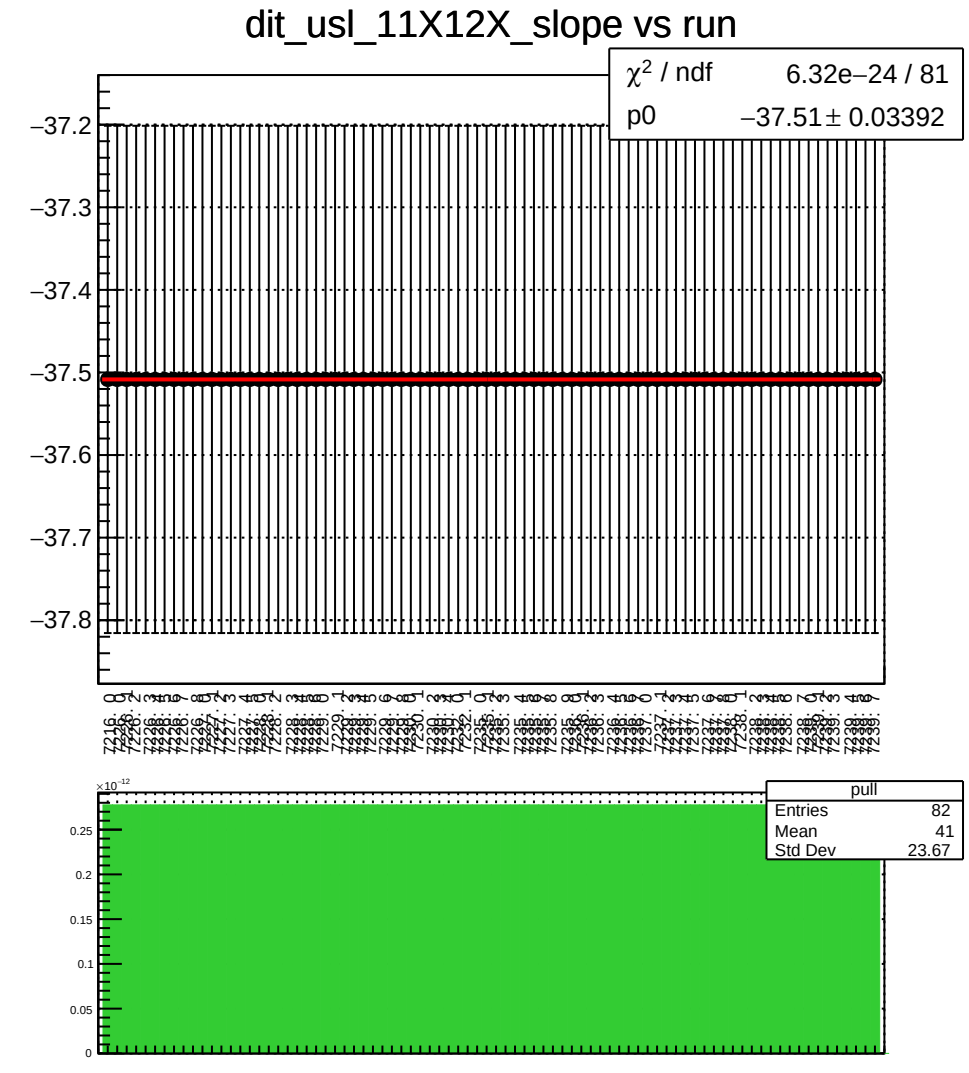

pull1D
Entries 82
Mean 0.0003499
Std Dev 0.9791
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

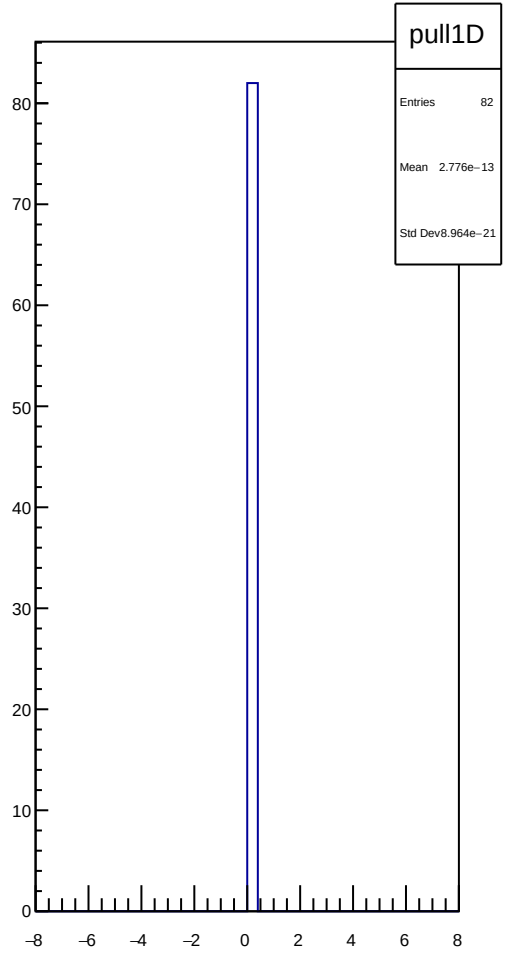

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 8112 / 81
p0 421.9 ± 0.3375
520
500
480
460
440
420
400
380
360

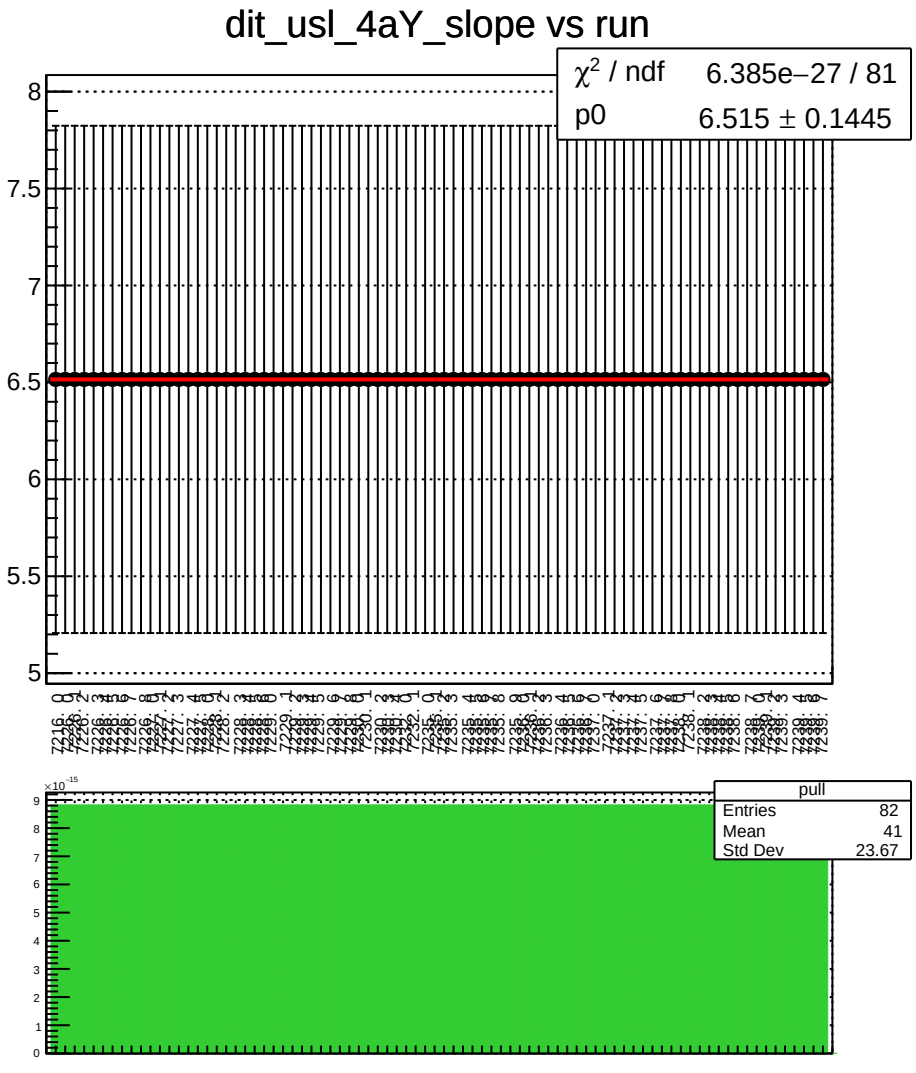

dit_usl_4aX_slope vs run
χ² / ndf 9.701e−27 / 81
p0 −95.33 ± 0.2886
−93
−94
−95
−96
−97
−98
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−2
−4
−6
−8
−10

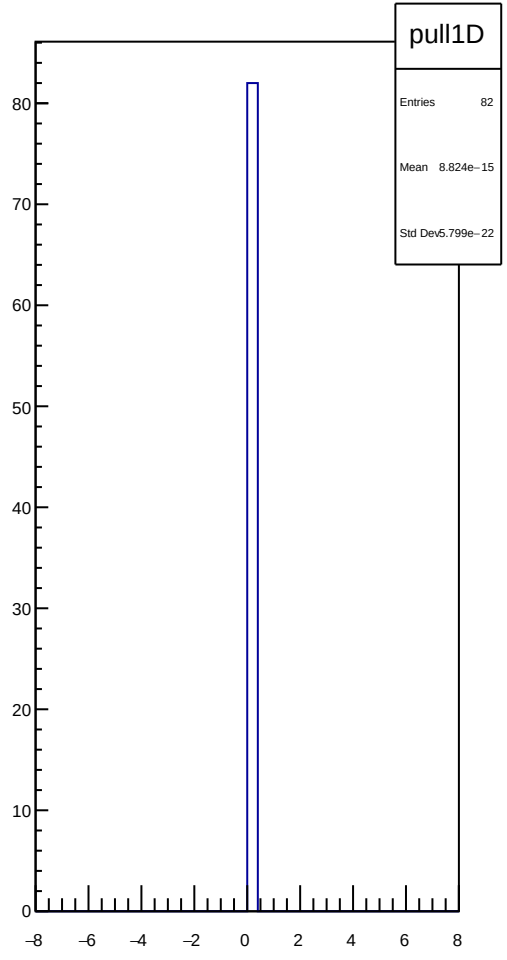

pull1D
Entries 82
Mean −1.088e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

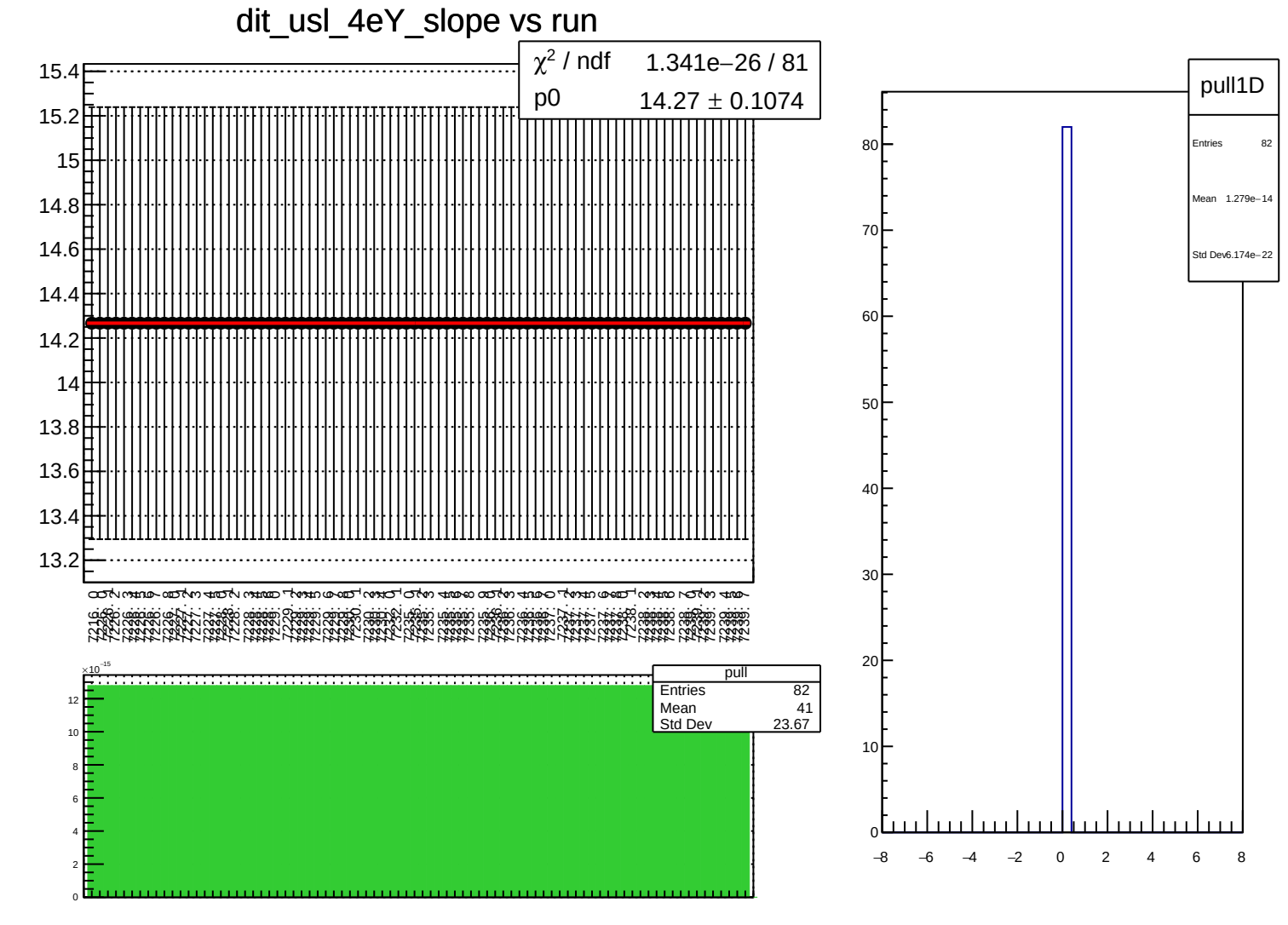

dit_usl_4eX_slope vs run
χ² / ndf 1.891e−25 / 81
p0 38.93 ± 0.2615
41
40
39
38
37
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 4.802e−14
Std Dev 3.74e−21

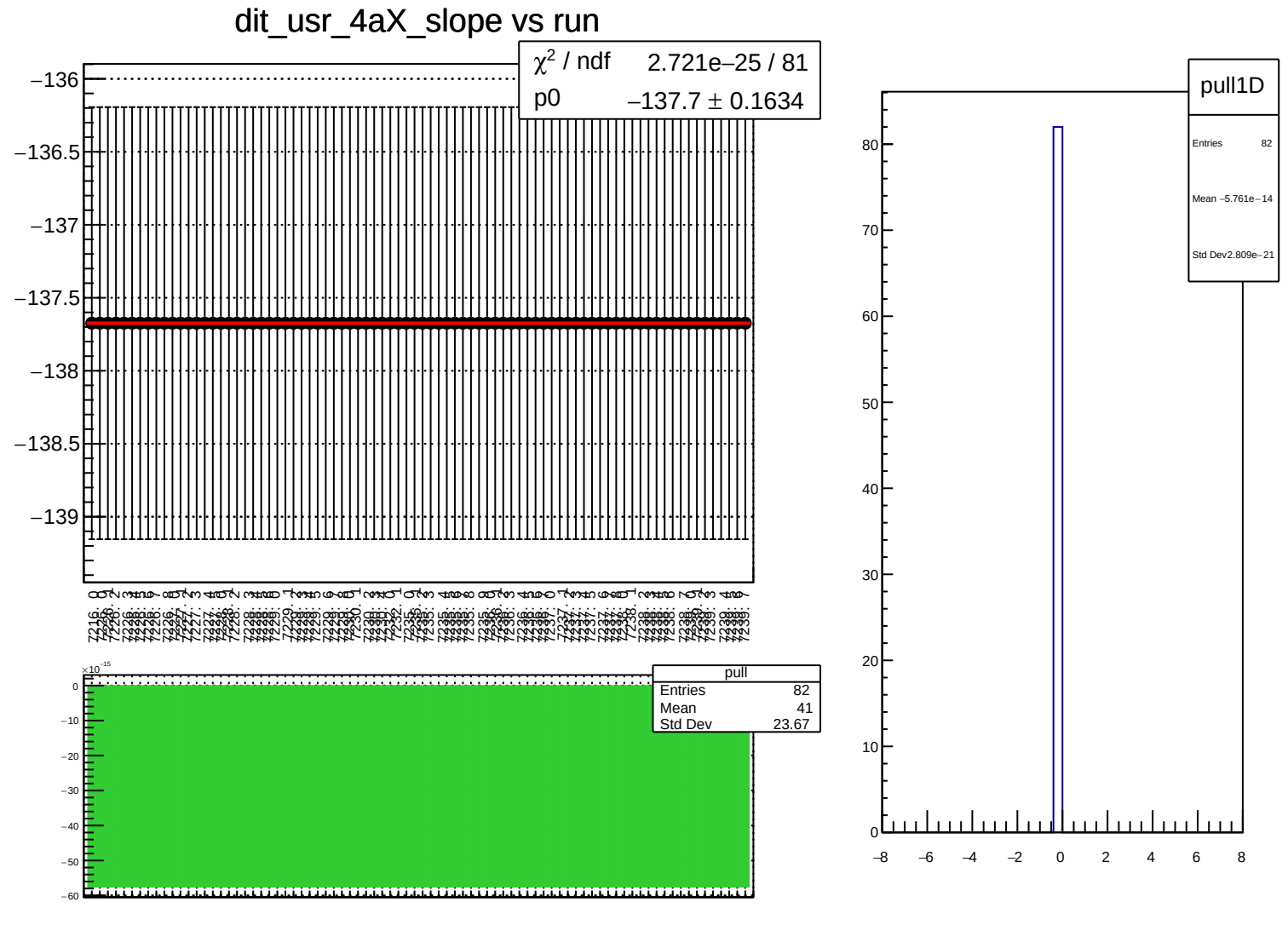

dit_usl_11X12X_slope vs run
χ² / ndf 6.32e−24 / 81
p0 −37.51 ± 0.03392
−37.2
−37.3
−37.4
−37.5
−37.6
−37.7
−37.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

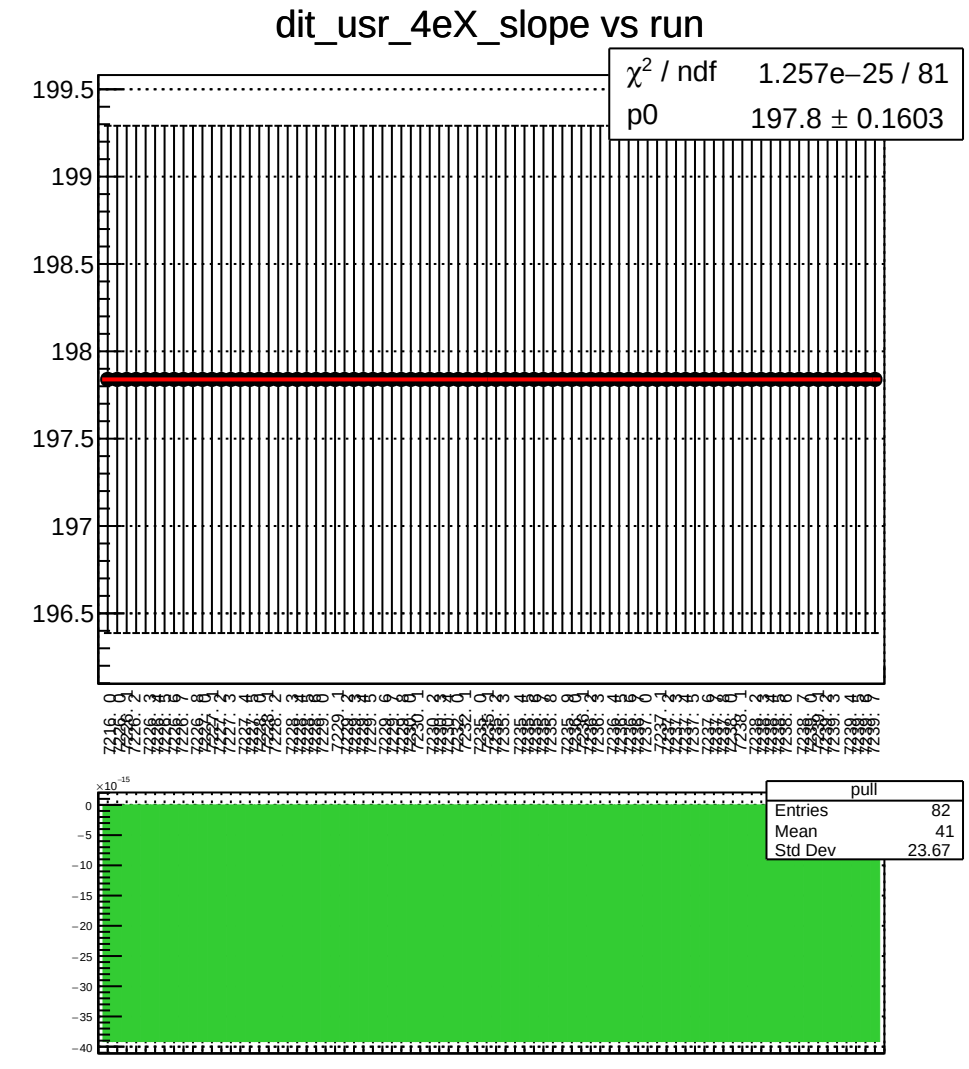

pull1D
Entries 82
Mean 2.776e−13
Std Dev8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

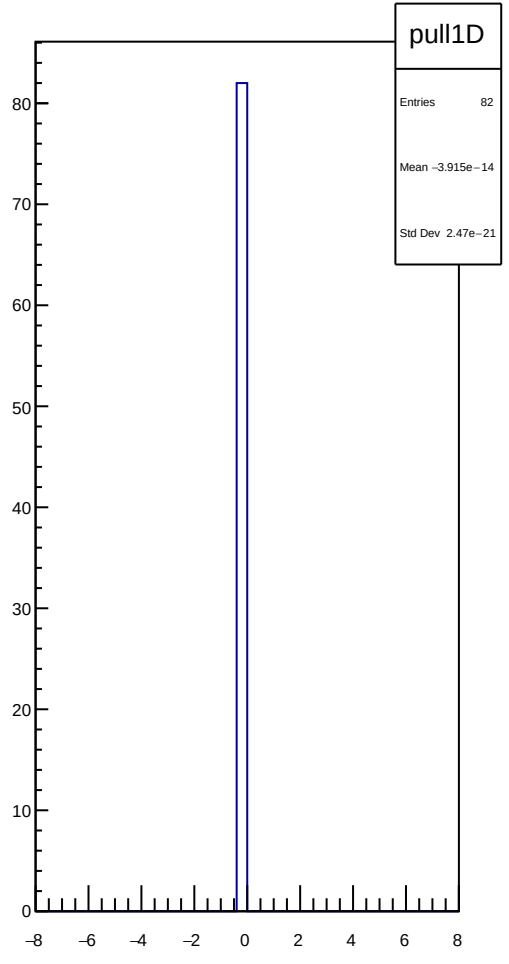

dit_usl_4aY_slope vs run
χ² / ndf 6.385e−27 / 81
p0 6.515 ± 0.1445
pull
Entries 82
Mean 41
Std Dev 23.67

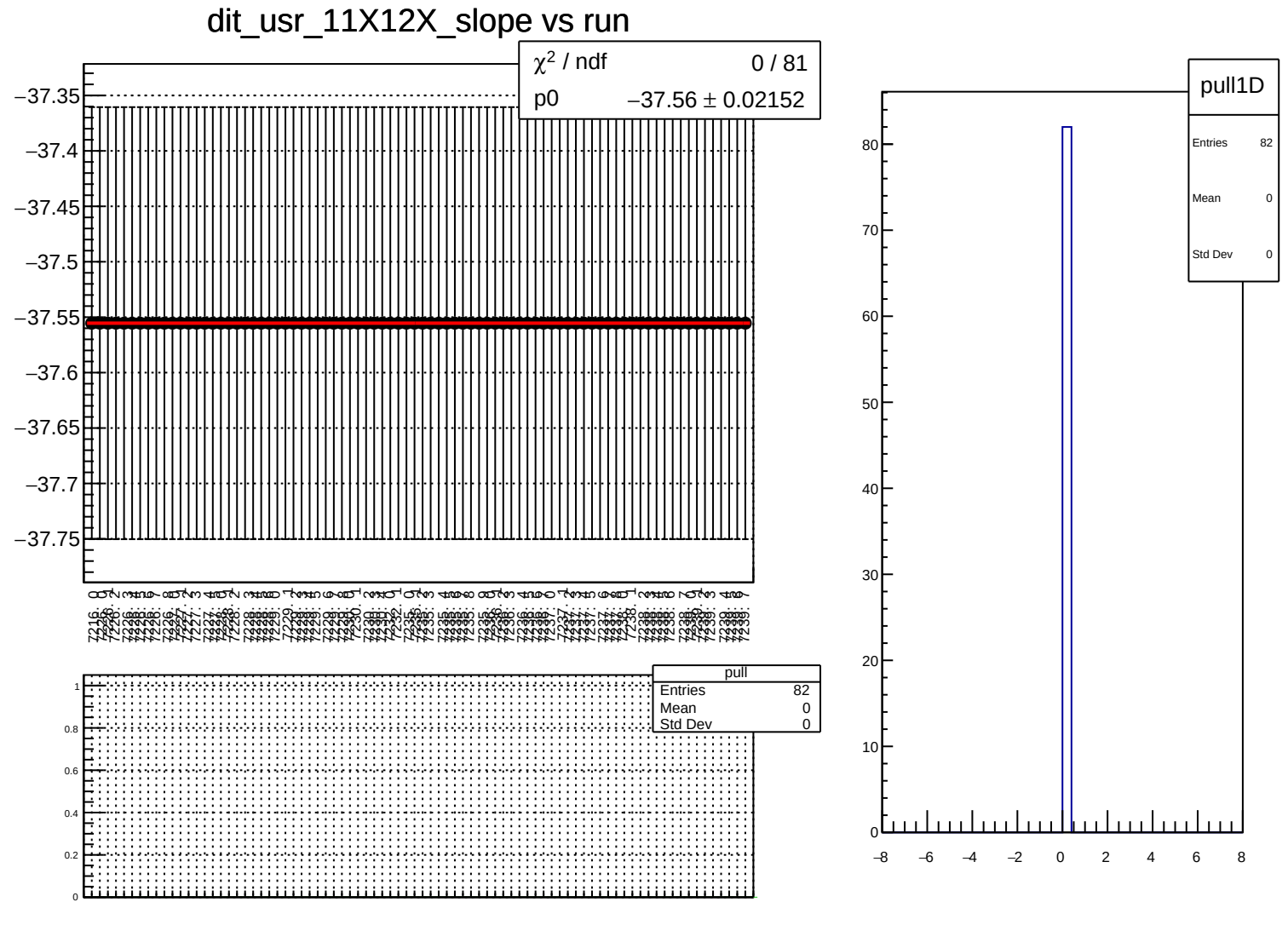

pull1D
Entries 82
Mean 8.824e−15
Std Dev 5.799e−22

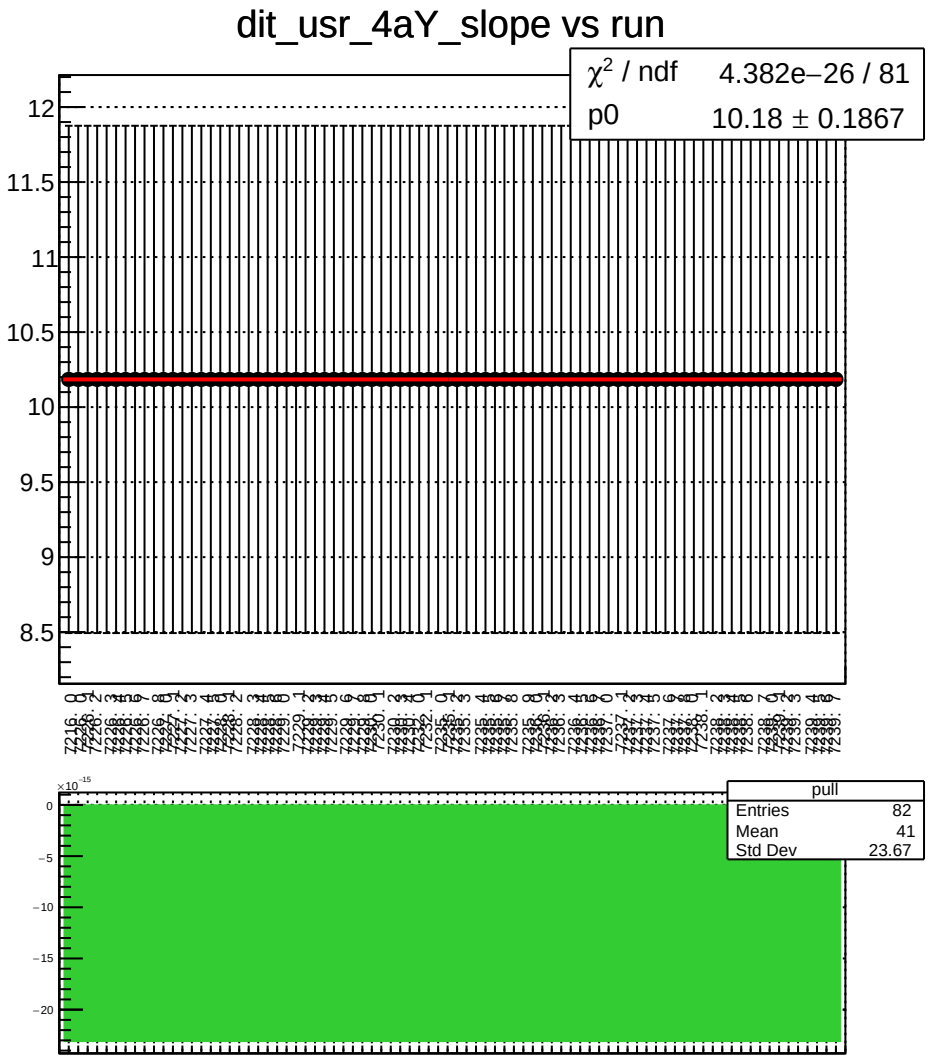

dit_usl_4eY_slope vs run
χ² / ndf 1.341e−26 / 81
p0 14.27 ± 0.1074
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.279e−14
Std Dev 6.174e−22

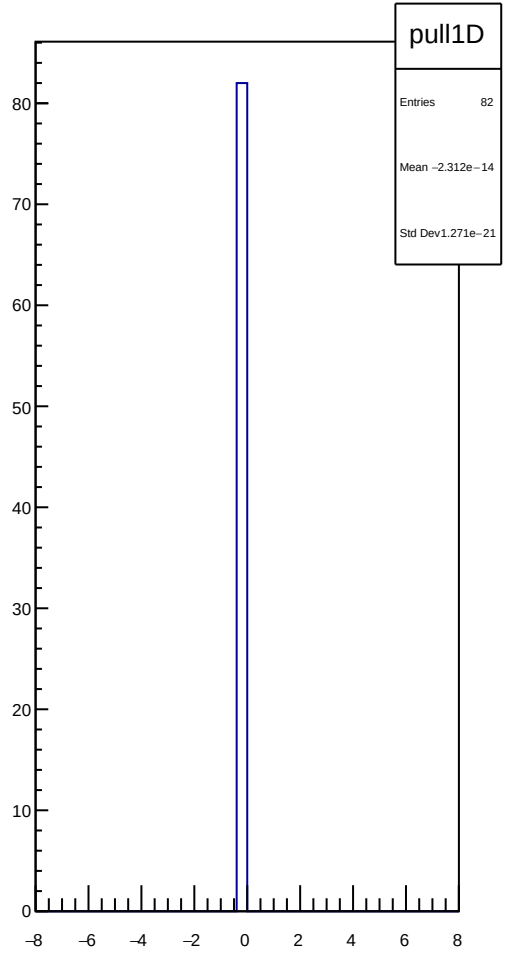

dit_usr_4aX_slope vs run
χ² / ndf 2.721e−25 / 81
p0 −137.7 ± 0.1634
−136
−136.5
−137
−137.5
−138
−138.5
−139
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.761e−14
Std Dev2.809e−21

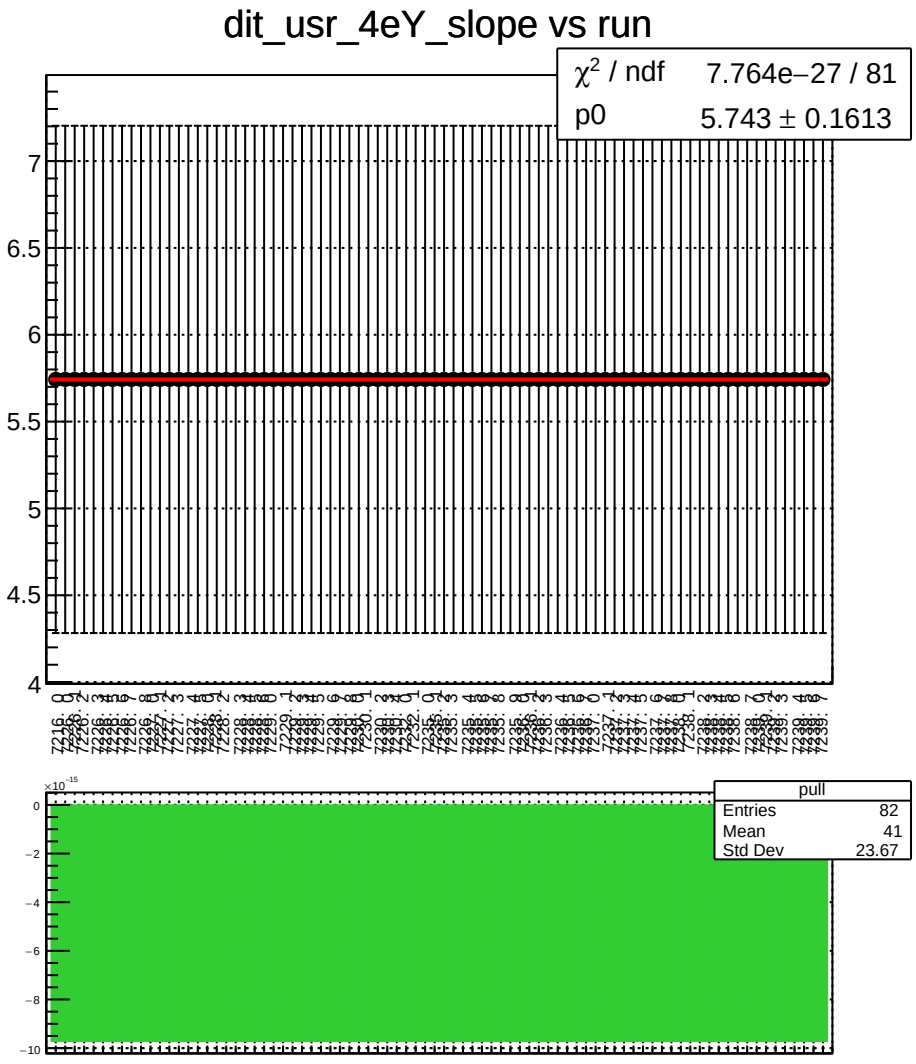

dit_usr_4eX_slope vs run
χ^2 / ndf 1.257e−25 / 81
p0 197.8 ± 0.1603
199.5
199
198.5
198
197.5
197
196.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
0
−5
−10
−15
−20
−25
−30
−35
−40

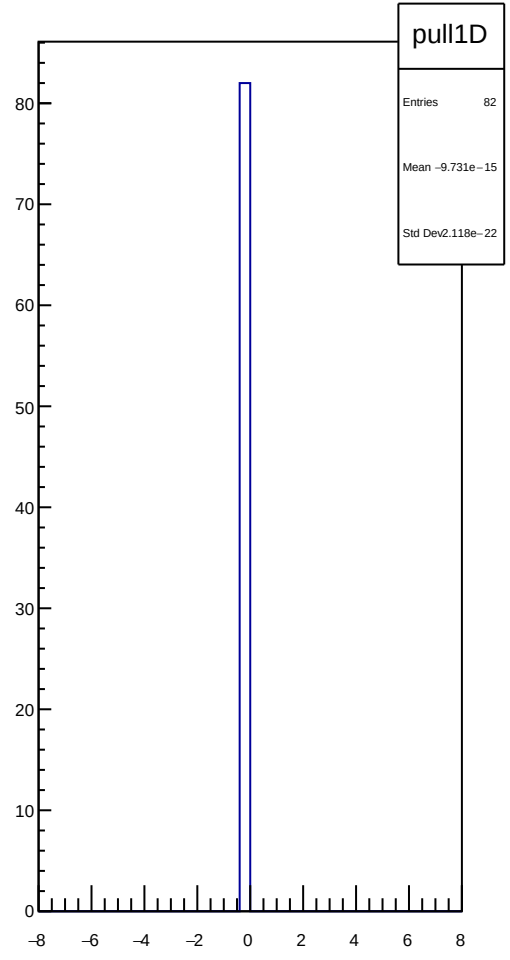

pull1D
Entries 82
Mean −3.915e−14
Std Dev 2.47e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

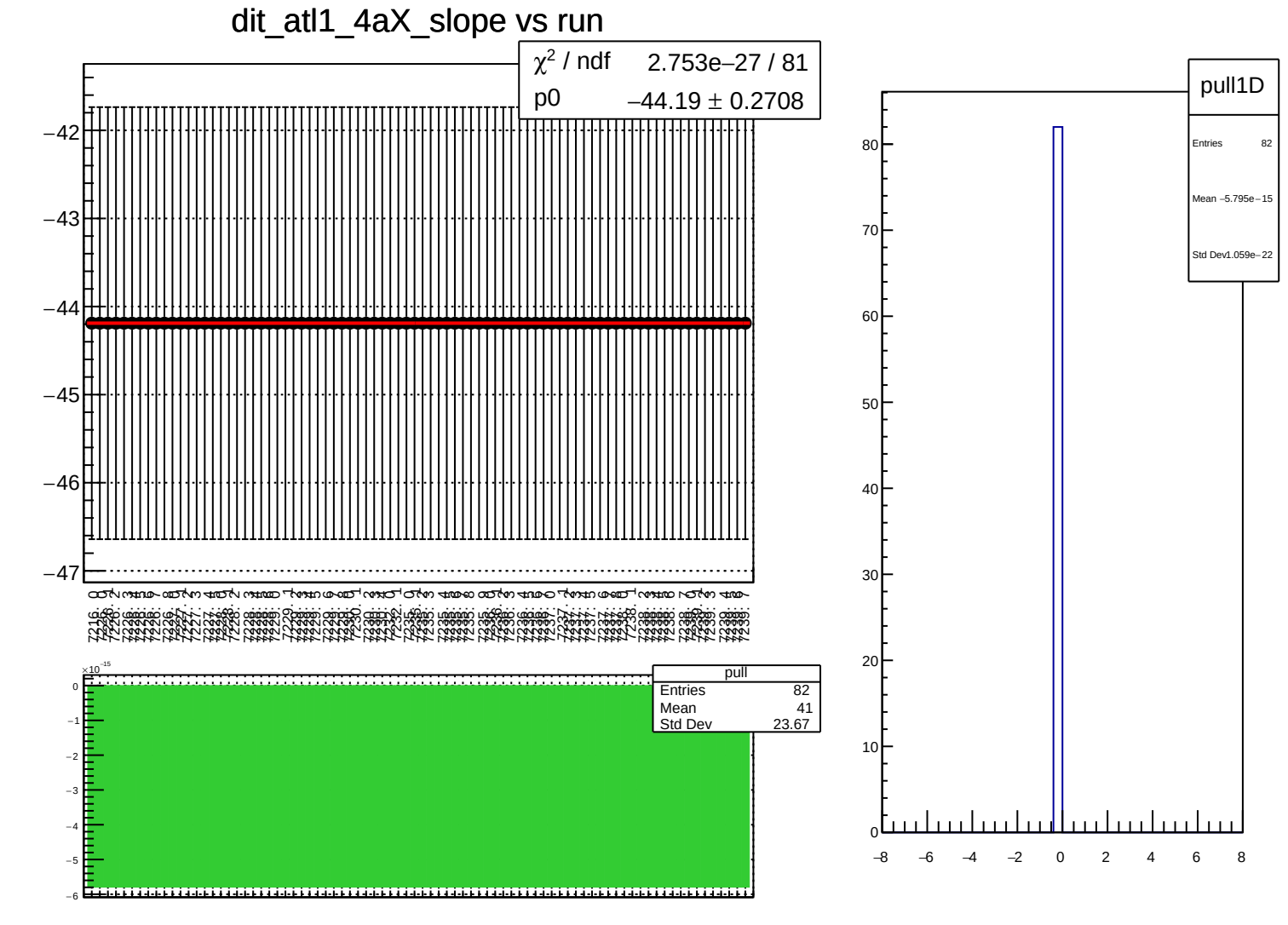

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 81
p0 −37.56 ± 0.02152
−37.35
−37.4
−37.45
−37.5
−37.55
−37.6
−37.65
−37.7
−37.75
pull
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 82
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

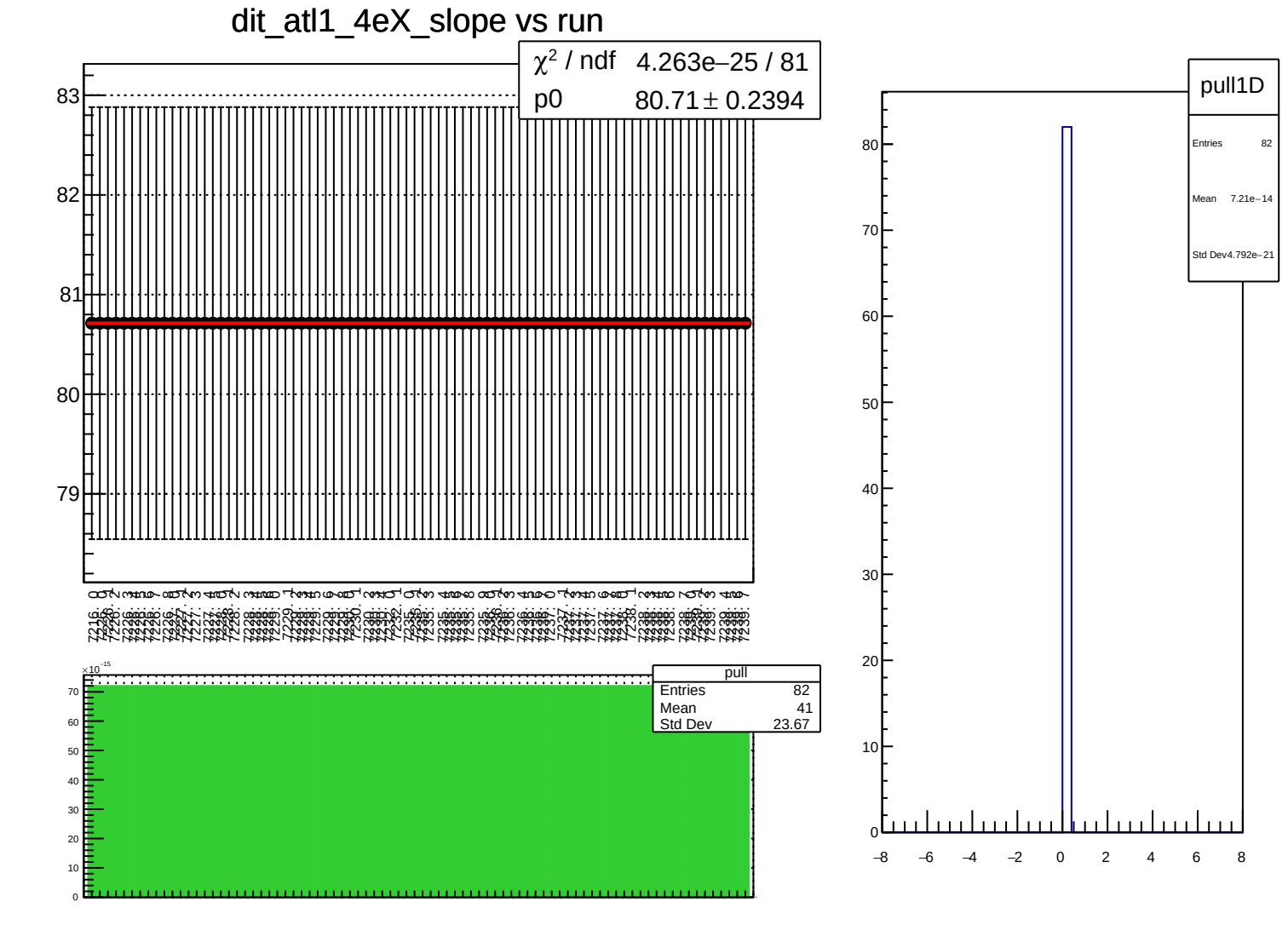

dit_usr_4aY_slope vs run
χ² / ndf 4.382e−26 / 81
p0 10.18 ± 0.1867
12
11.5
11
10.5
10
9.5
9
8.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20

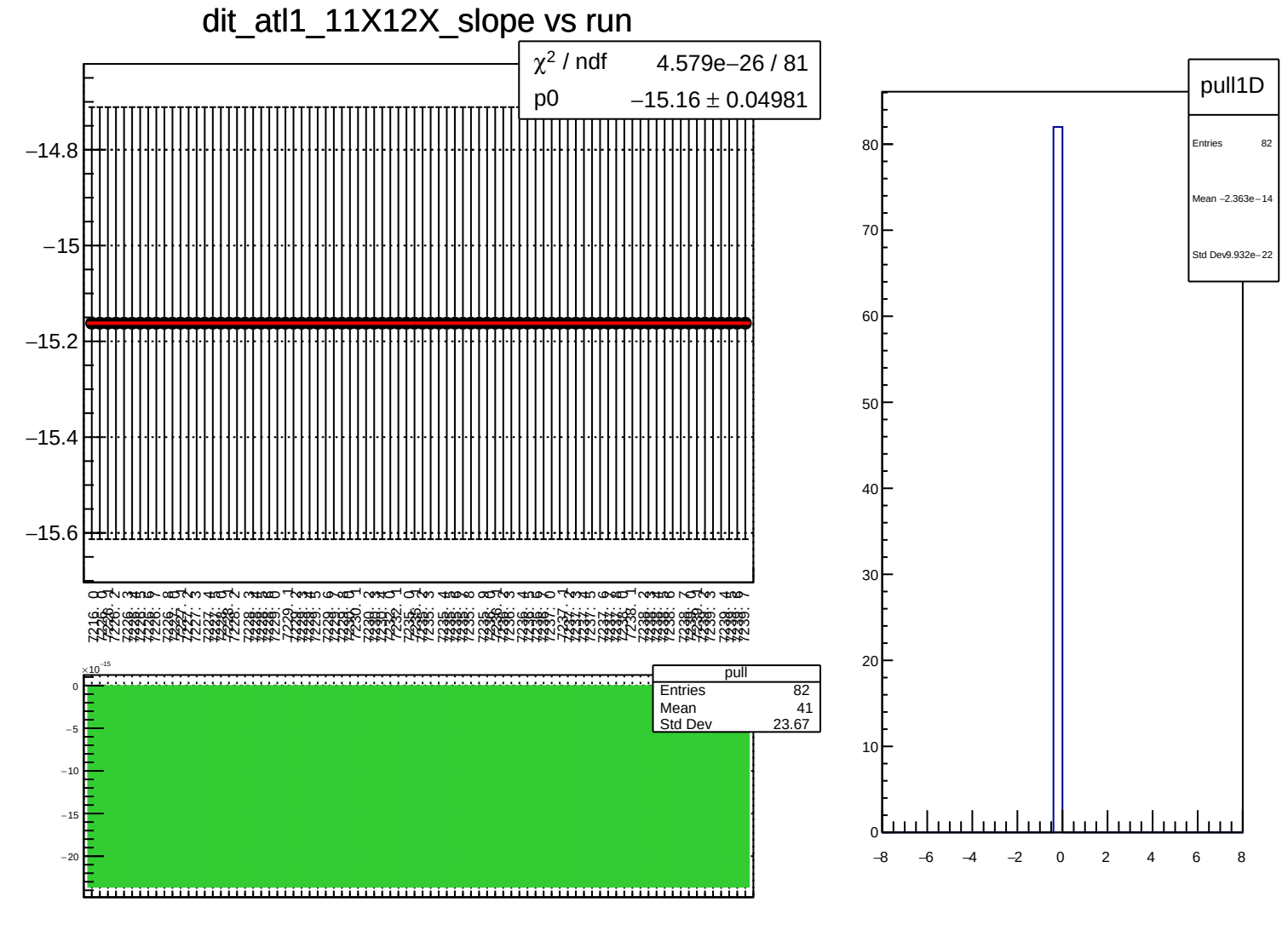

pull1D
Entries 82
Mean −2.312e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

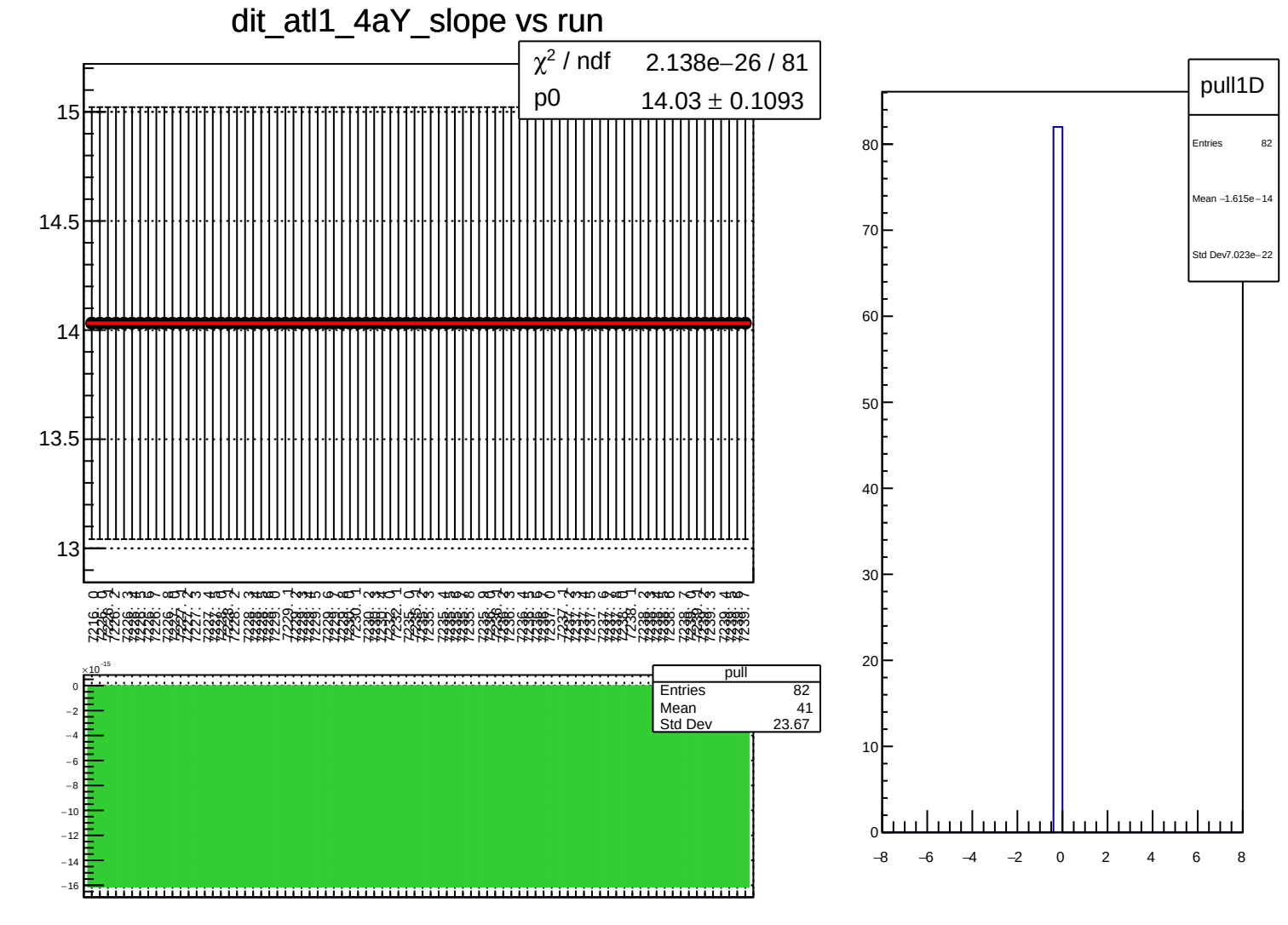

dit_usr_4eY_slope vs run
χ² / ndf 7.764e−27 / 81
p0 5.743 ± 0.1613
pull
Entries 82
Mean 41
Std Dev 23.67

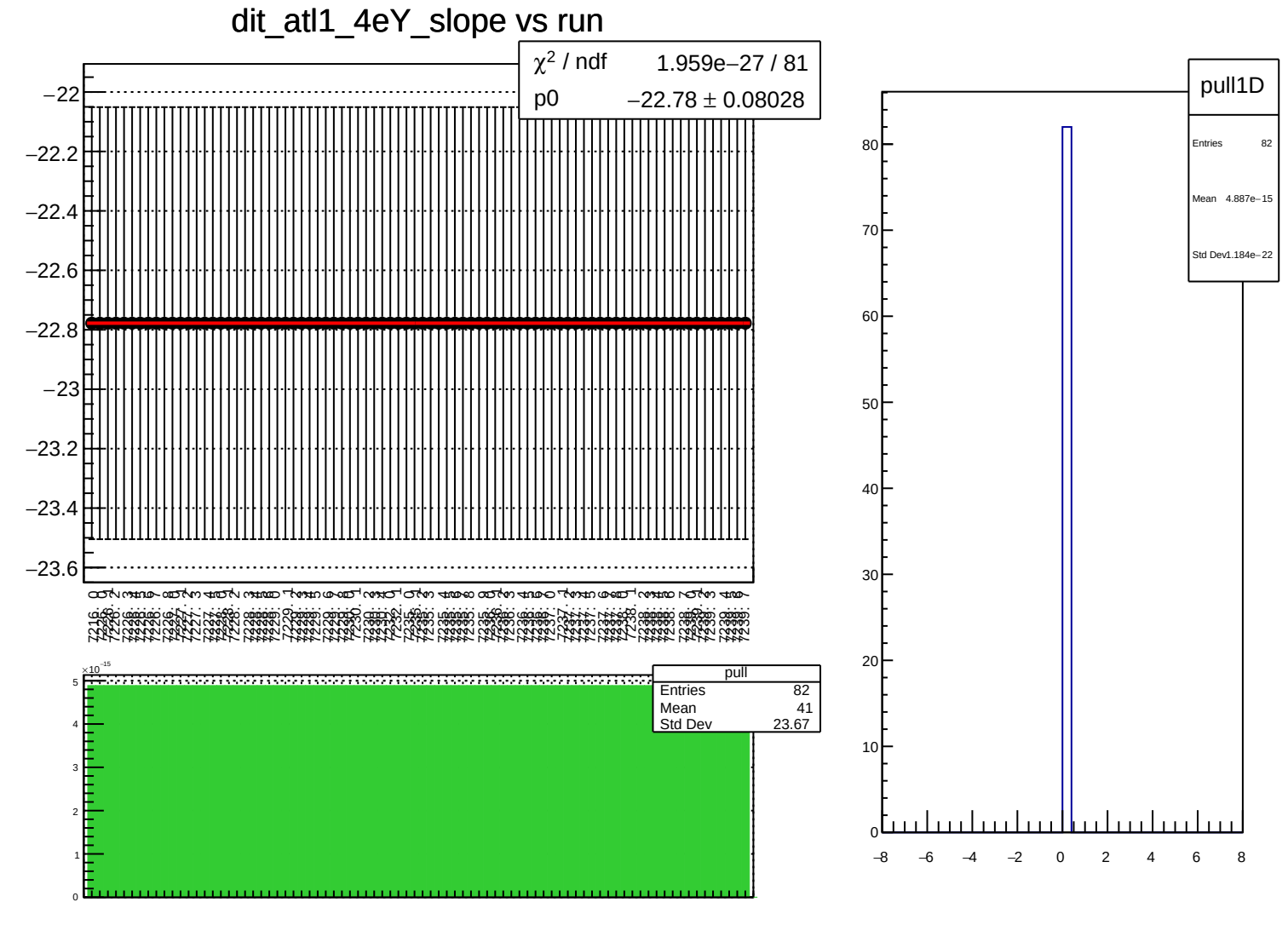

pull1D
Entries 82
Mean −9.731e−15
Std Dev2.118e−22

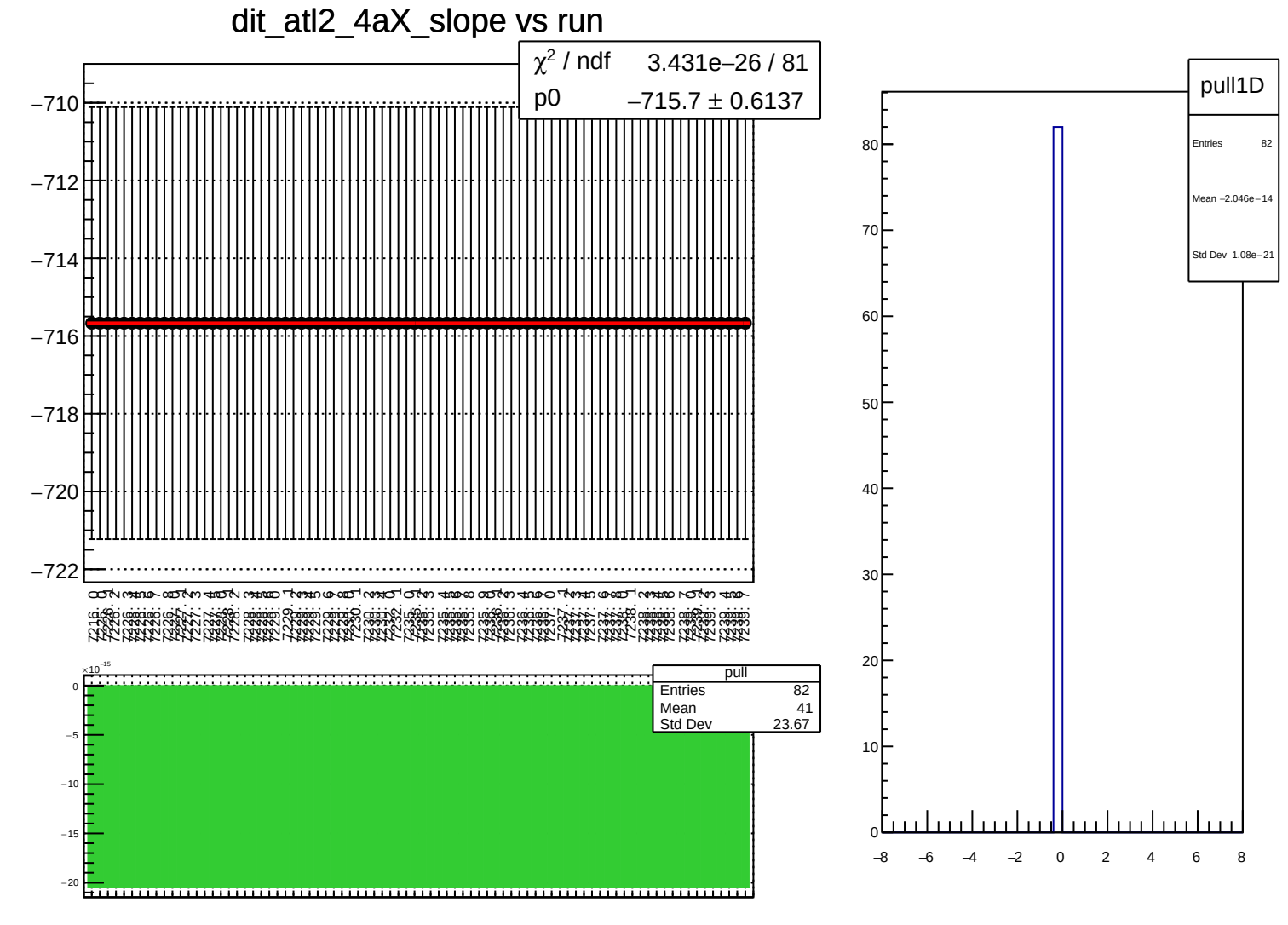

dit_atl1_4aX_slope vs run
χ² / ndf 2.753e−27 / 81
p0 −44.19 ± 0.2708
−42
−43
−44
−45
−46
−47
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 82
Mean −5.795e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

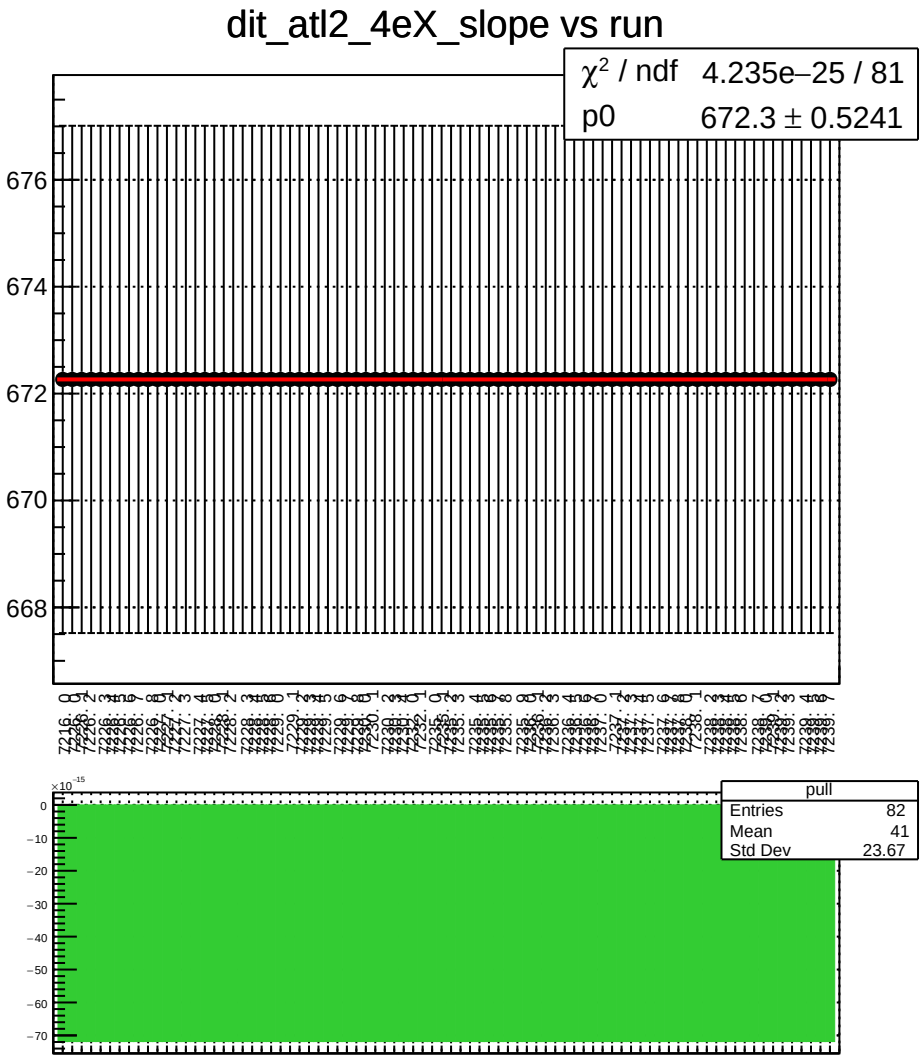

dit_atl1_4eX_slope vs run
χ^2 / ndf 4.263e−25 / 81
p0 80.71 ± 0.2394
83
82
81
80
79
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
70
60
50
40
30
20
10
0
pull1D
Entries 82
Mean 7.21e−14
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

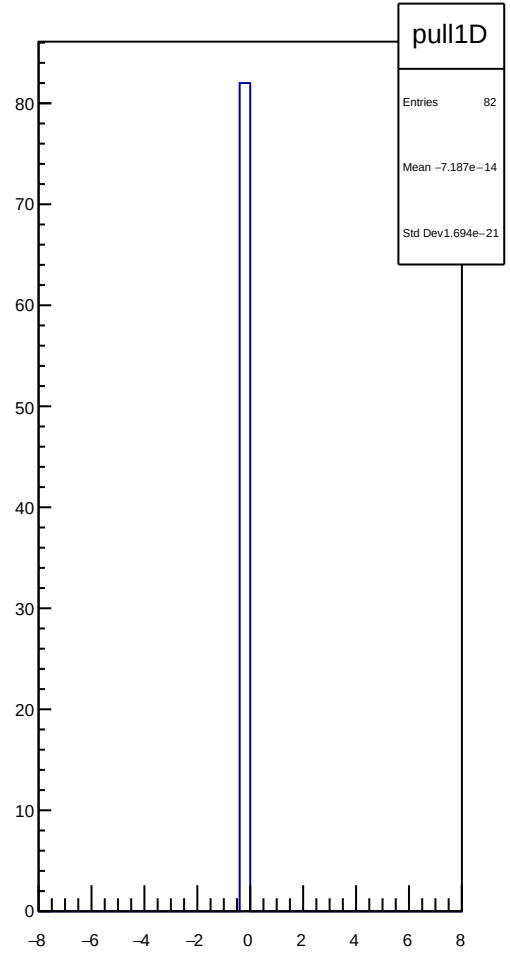

dit_atl1_11X12X_slope vs run
χ² / ndf 4.579e−26 / 81
p0 −15.16 ± 0.04981
−14.8
−15
−15.2
−15.4
−15.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 82
Mean −2.363e−14
Std Dev 9.932e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_4aY_slope vs run
χ² / ndf 2.138e−26 / 81
p0 14.03 ± 0.1093
15
14.5
14
13.5
13
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 82
Mean −1.615e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_4eY_slope vs run
χ² / ndf 1.959e−27 / 81
p0 −22.78 ± 0.08028
−22
−22.2
−22.4
−22.6
−22.8
−23
−23.2
−23.4
−23.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
pull1D
Entries 82
Mean 4.887e−15
Std Dev 1.184e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4aX_slope vs run
χ² / ndf 3.431e−26 / 81
p0 −715.7 ± 0.6137
−710
−712
−714
−716
−718
−720
−722
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 82
Mean −2.046e−14
Std Dev 1.08e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4eX_slope vs run
χ² / ndf 4.235e−25 / 81
p0 672.3 ± 0.5241
676
674
672
670
668
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70


pull1D
Entries 82
Mean −7.187e−14
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
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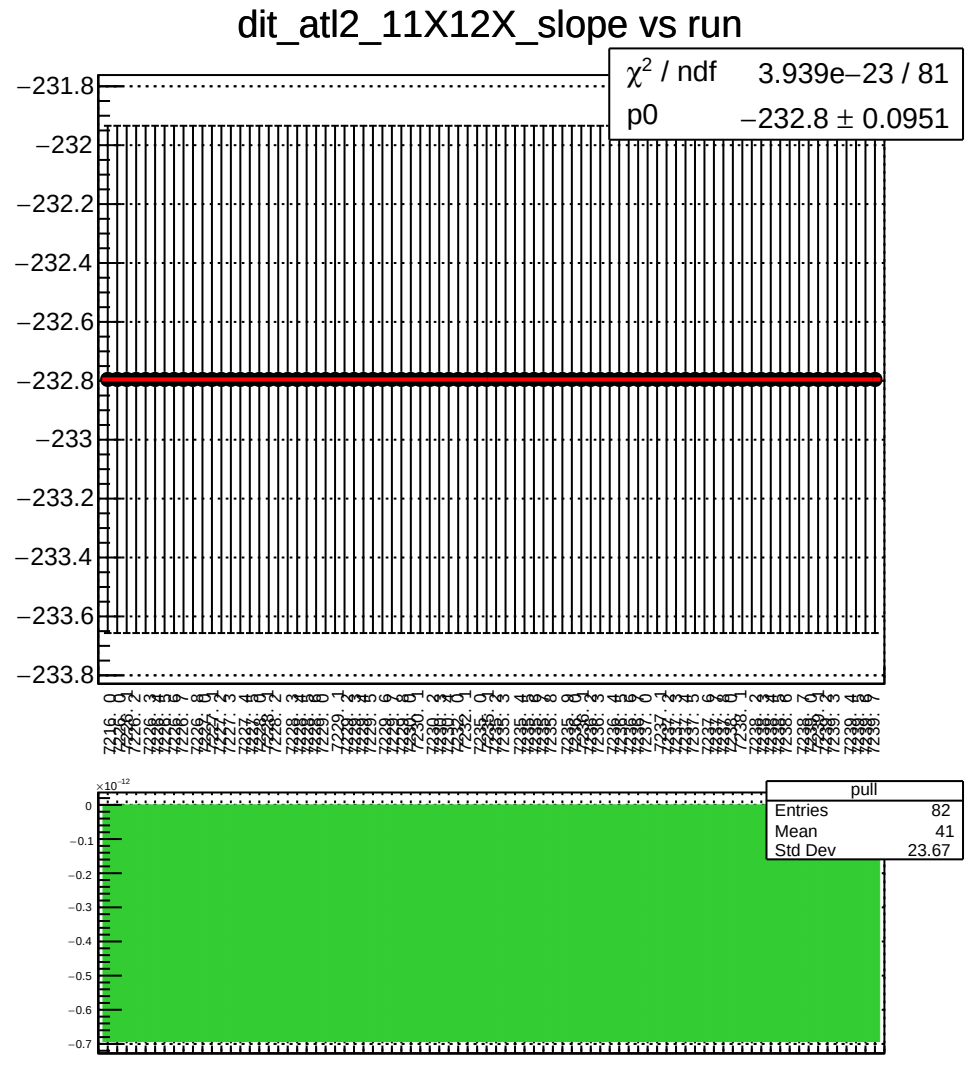
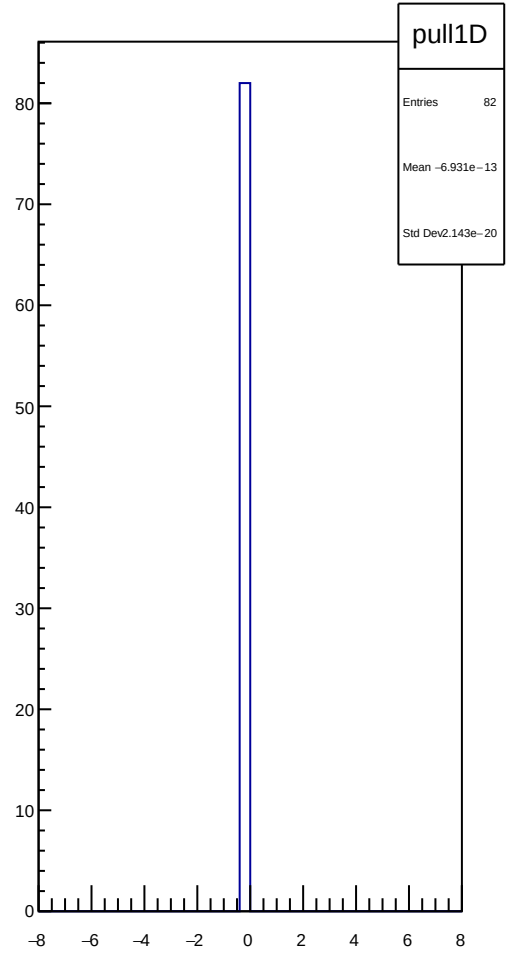
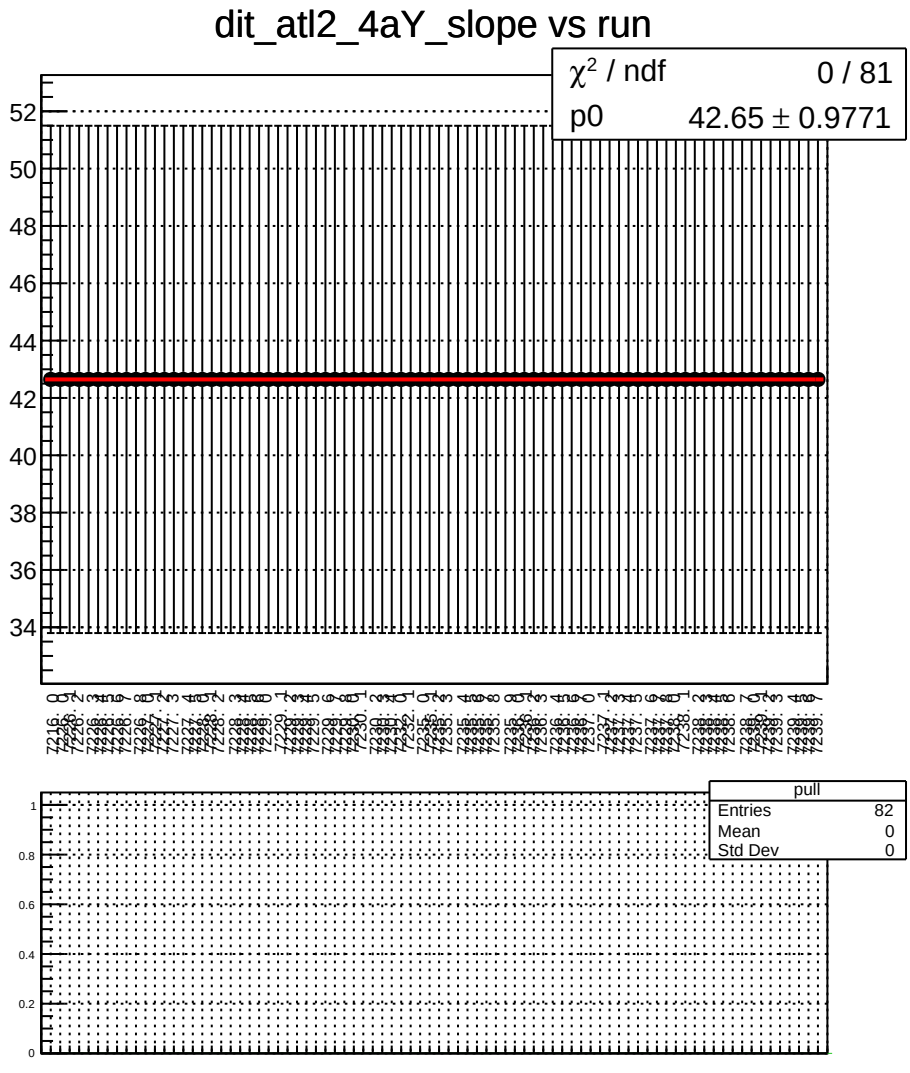
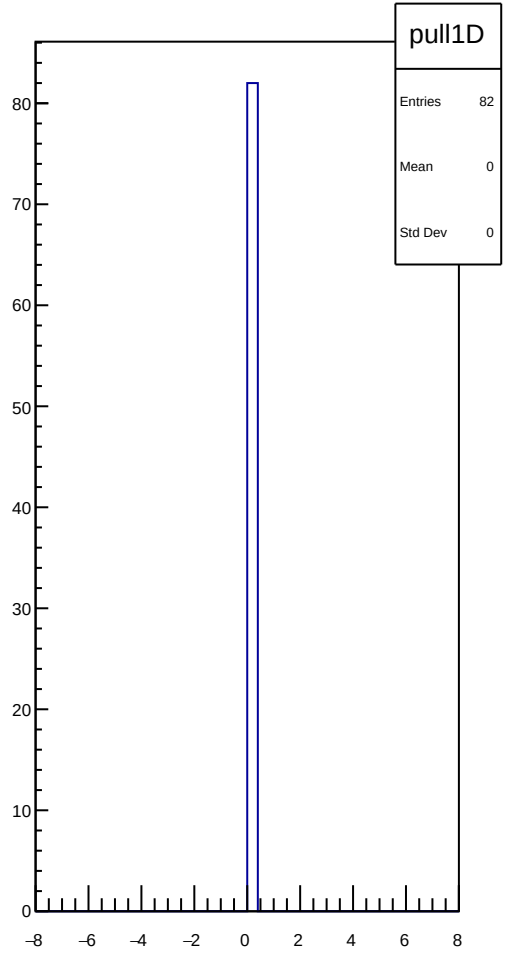
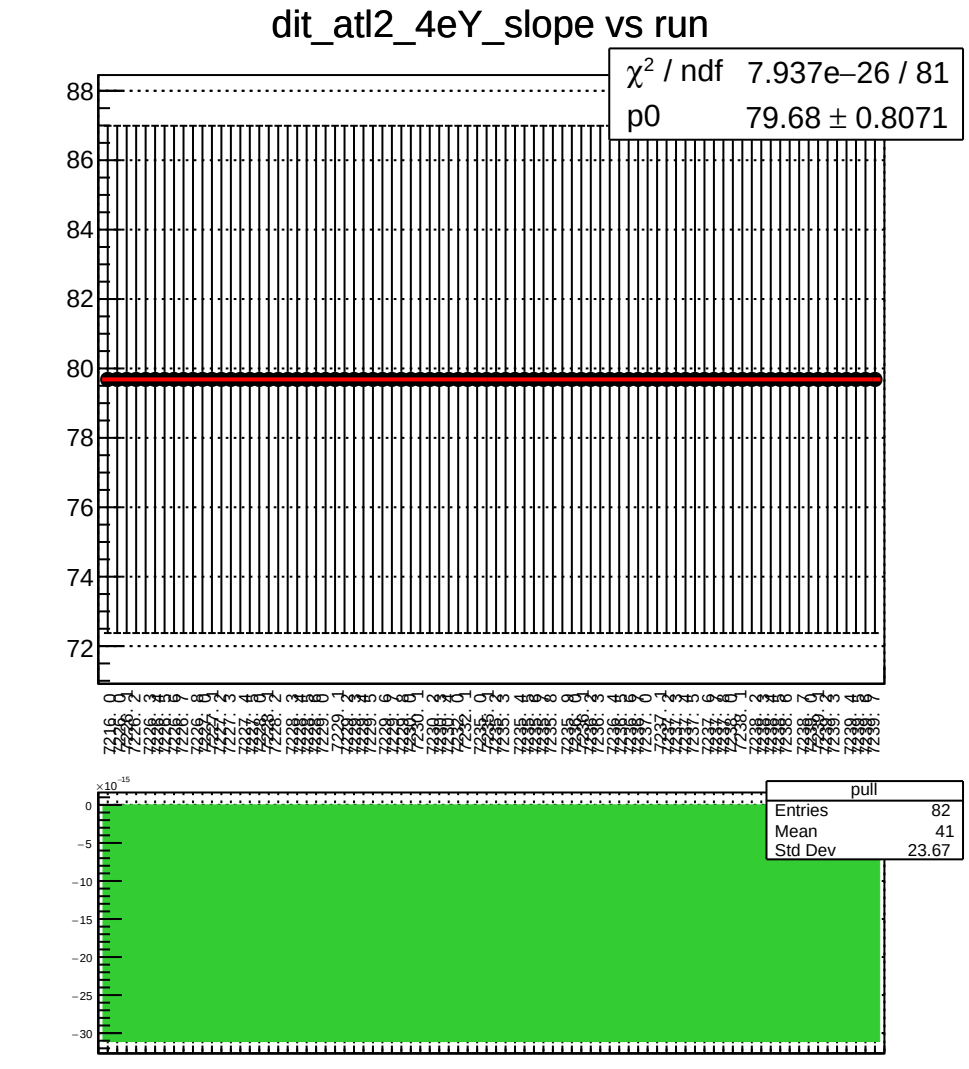
2
4
6
8

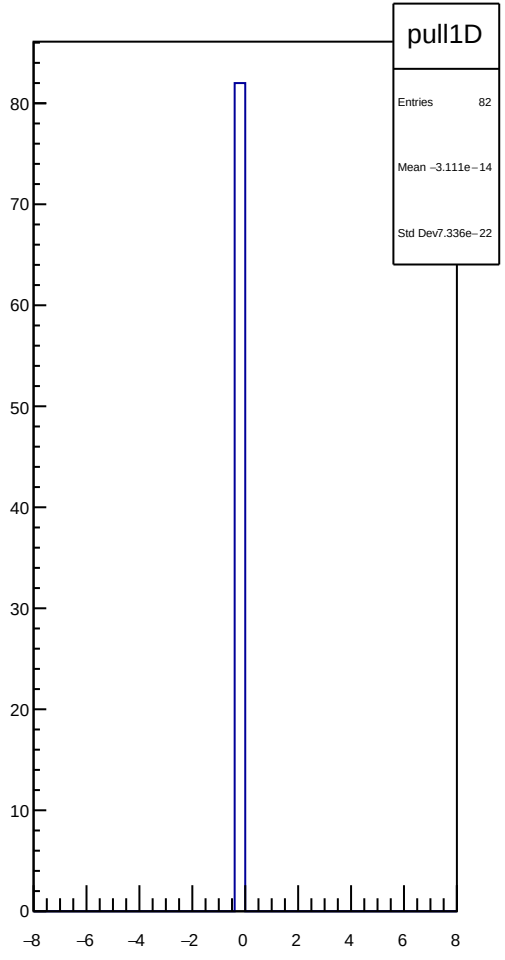

dit_atl2_11X12X_slope vs run
χ² / ndf 3.939e−23 / 81
p0 −232.8 ± 0.0951
−231.8
−232
−232.2
−232.4
−232.6
−232.8
−233
−233.2
−233.4
−233.6
−233.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7

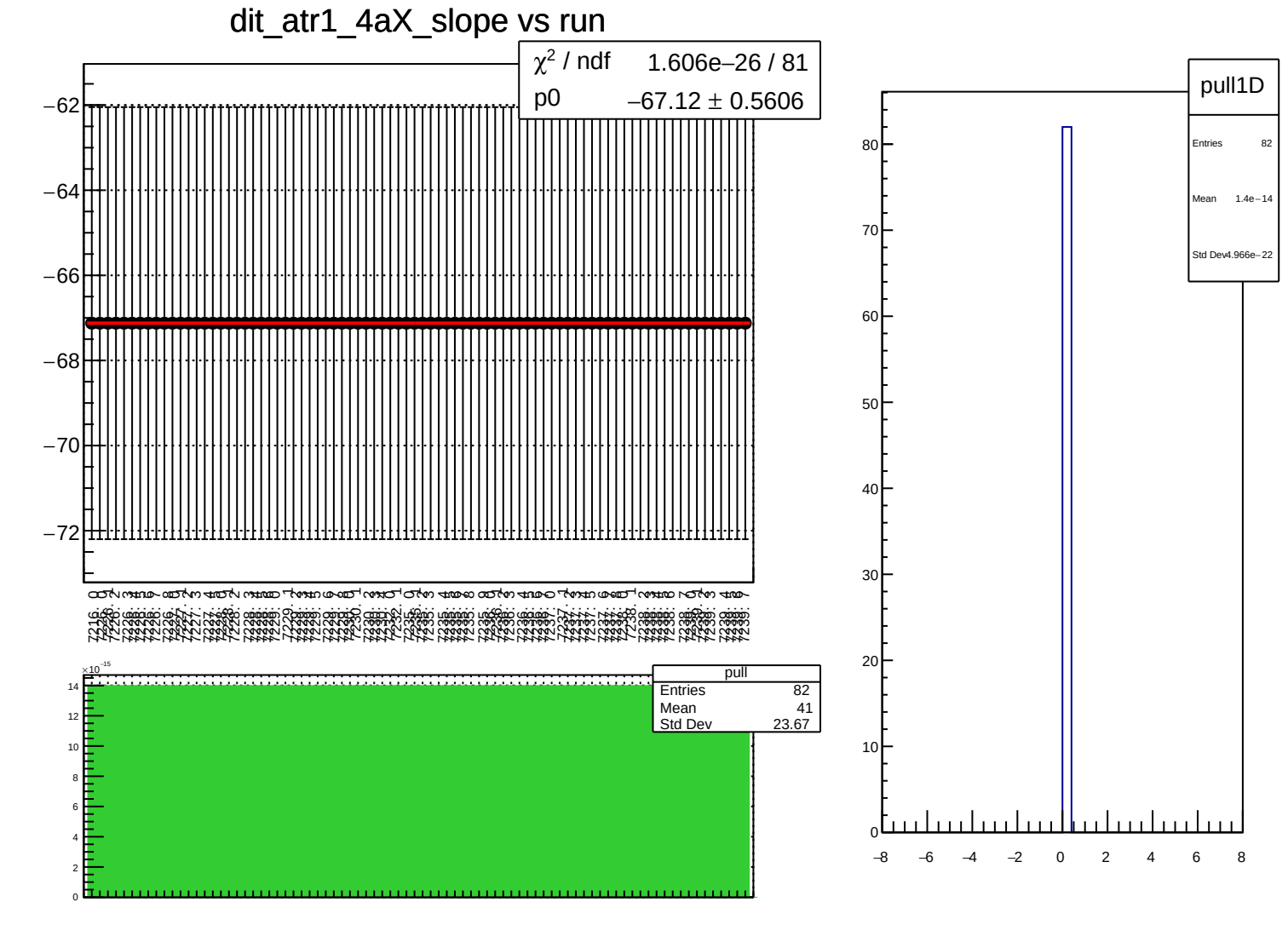

pull1D
Entries 82
Mean −6.931e−13
Std Dev 2.143e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

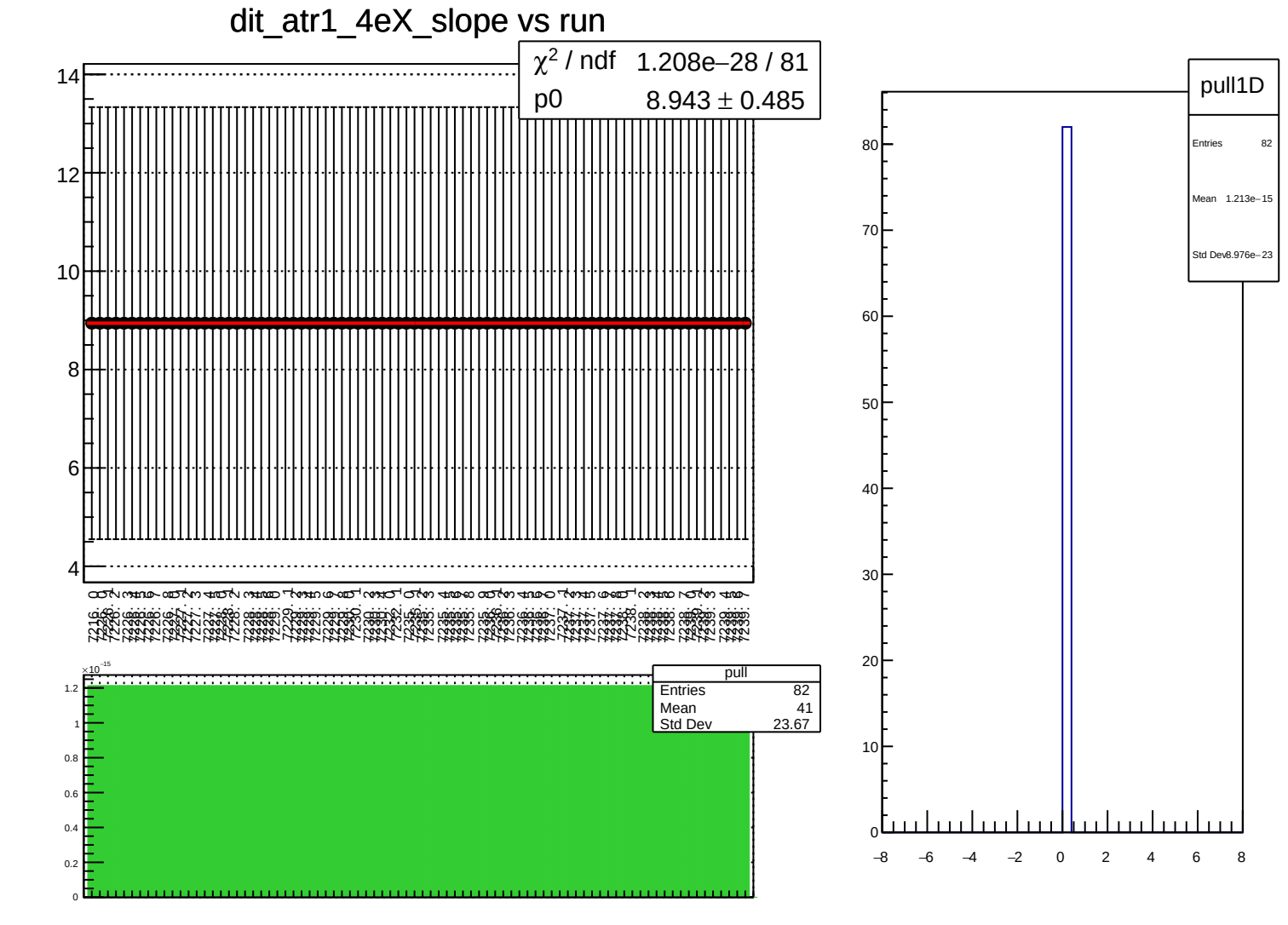

dit_atl2_4aY_slope vs run
χ^2 / ndf 0 / 81
p0 42.65 ± 0.9771
pull
Entries 82
Mean 0
Std Dev 0

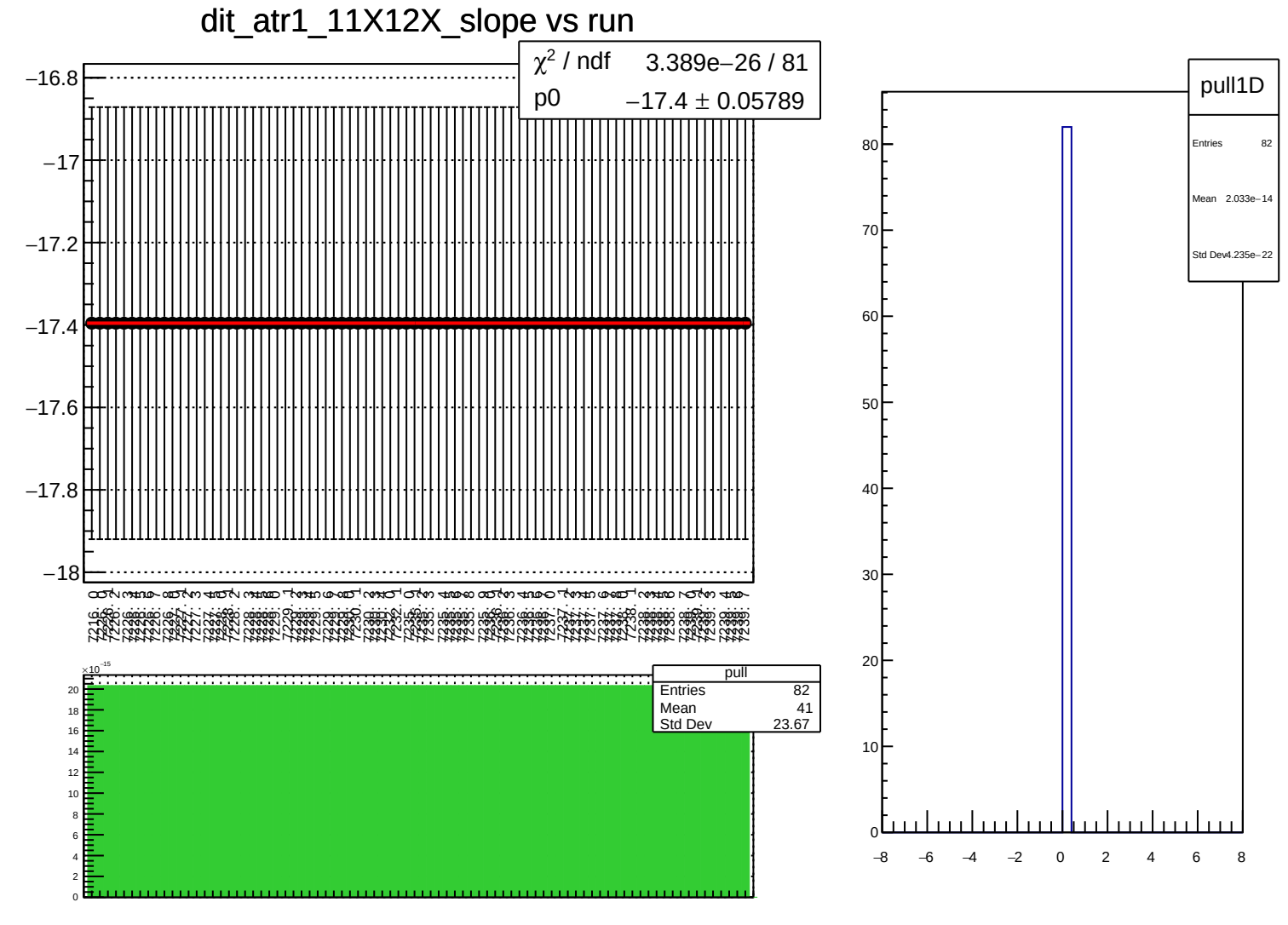

pull1D
Entries 82
Mean 0
Std Dev 0

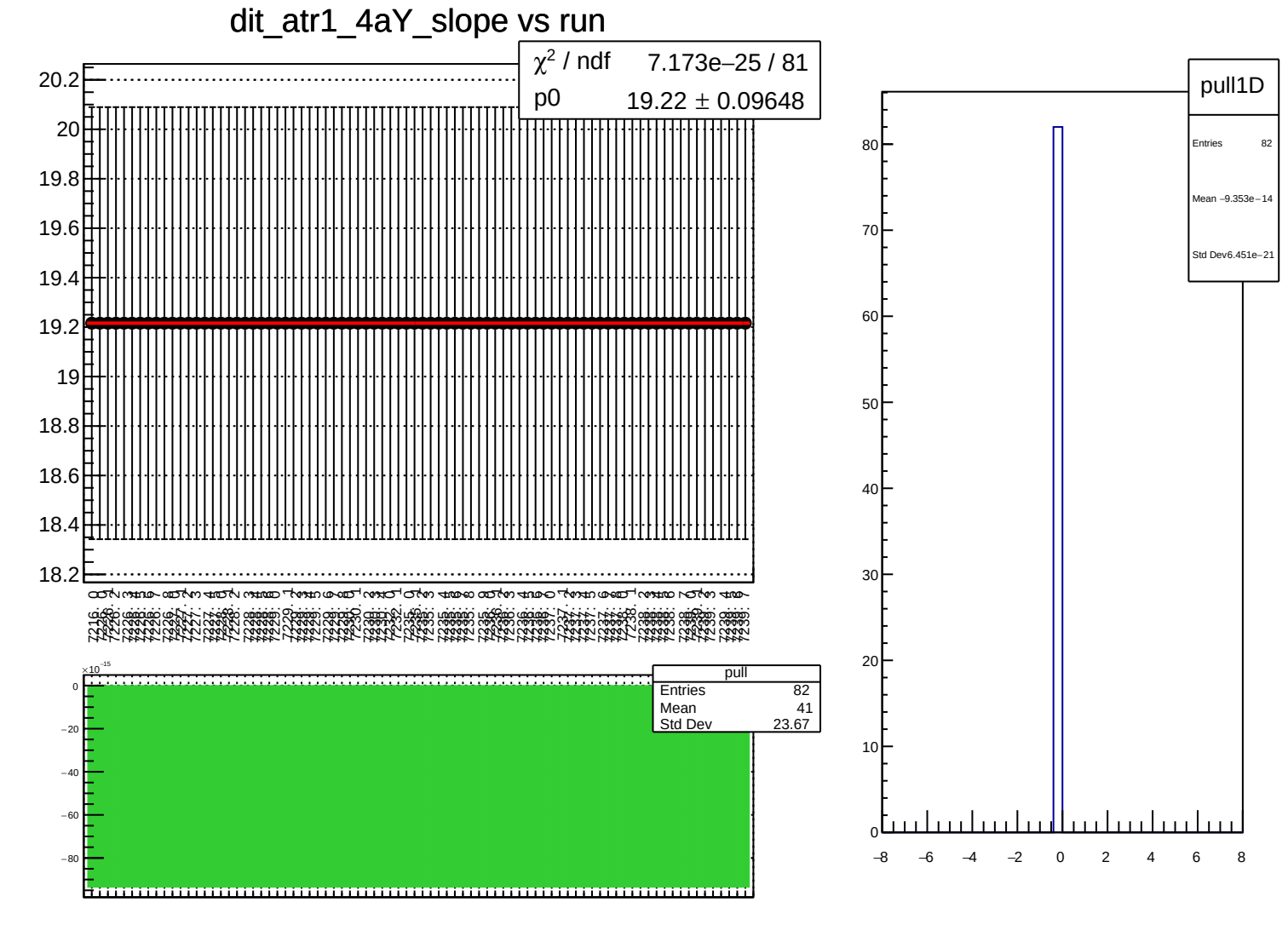

dit_atl2_4eY_slope vs run
χ² / ndf 7.937e−26 / 81
p0 79.68 ± 0.8071
pull
Entries 82
Mean 41
Std Dev 23.67

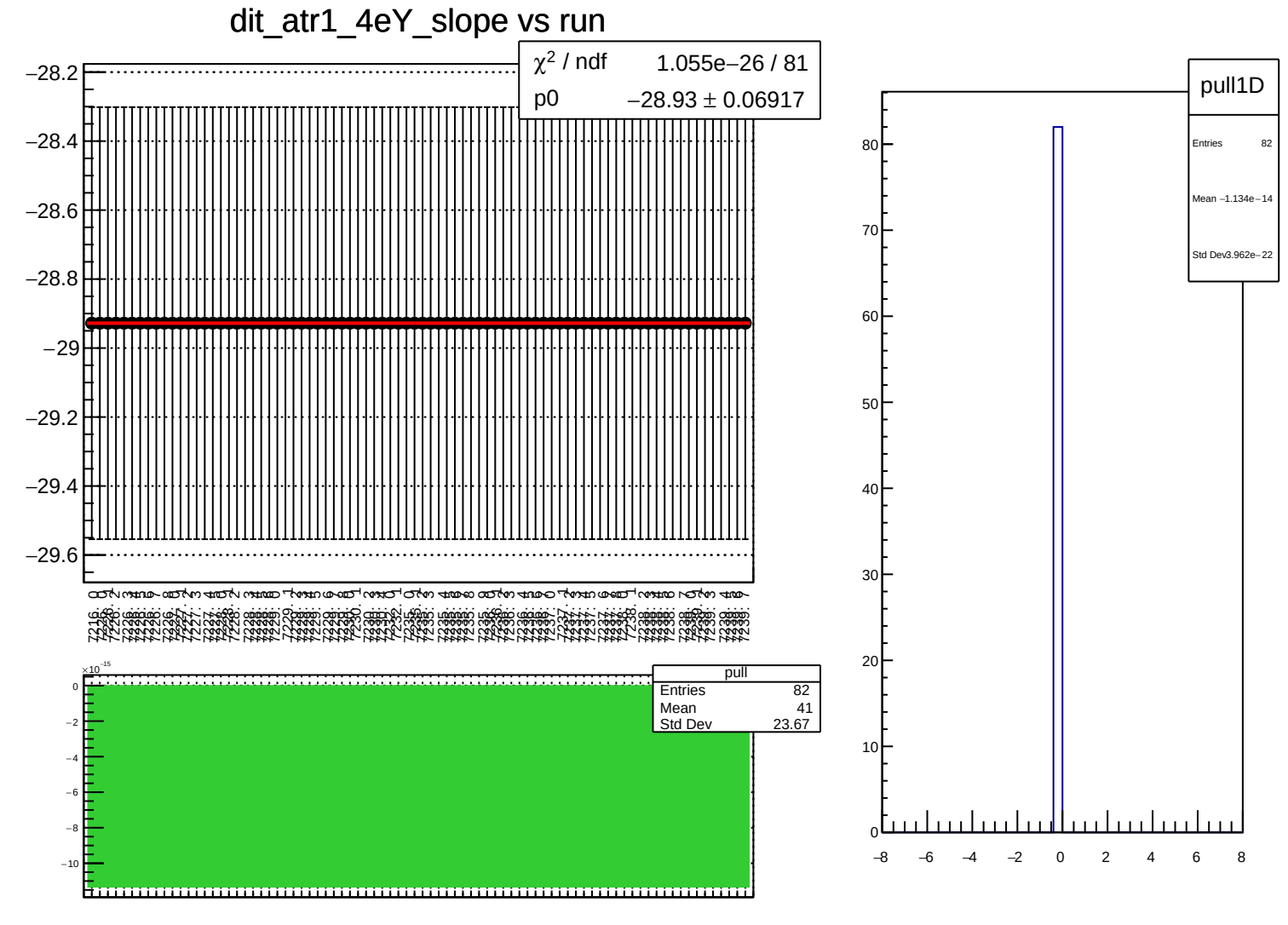

pull1D
Entries 82
Mean −3.111e−14
Std Dev7.336e−22

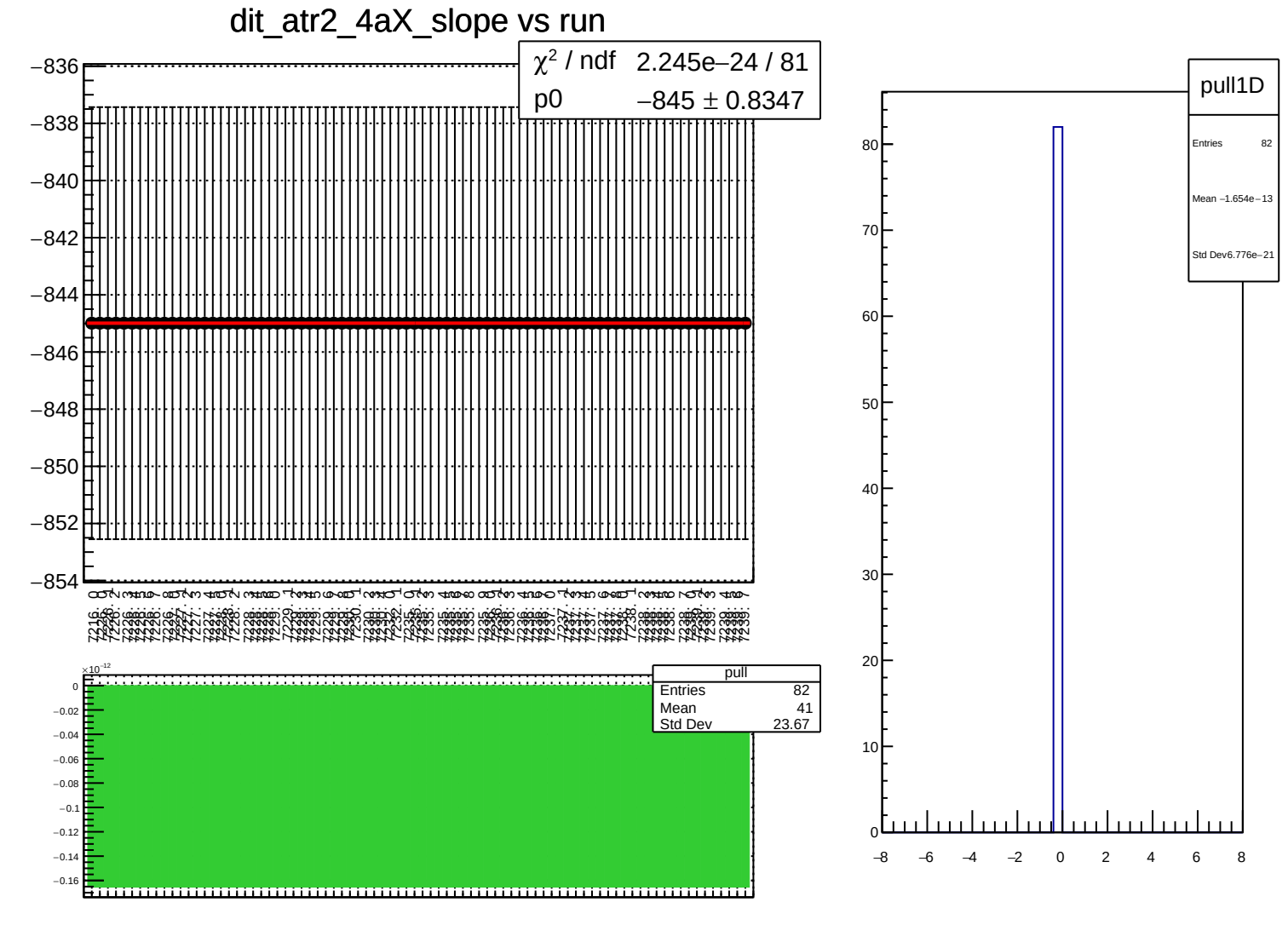

dit_atr1_4aX_slope vs run
χ^2 / ndf 1.606e−26 / 81
p0 −67.12 ± 0.5606
−62
−64
−66
−68
−70
−72
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
14
12
10
8
6
4
2
0
pull1D
Entries 82
Mean 1.4e−14
Std Dev 4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

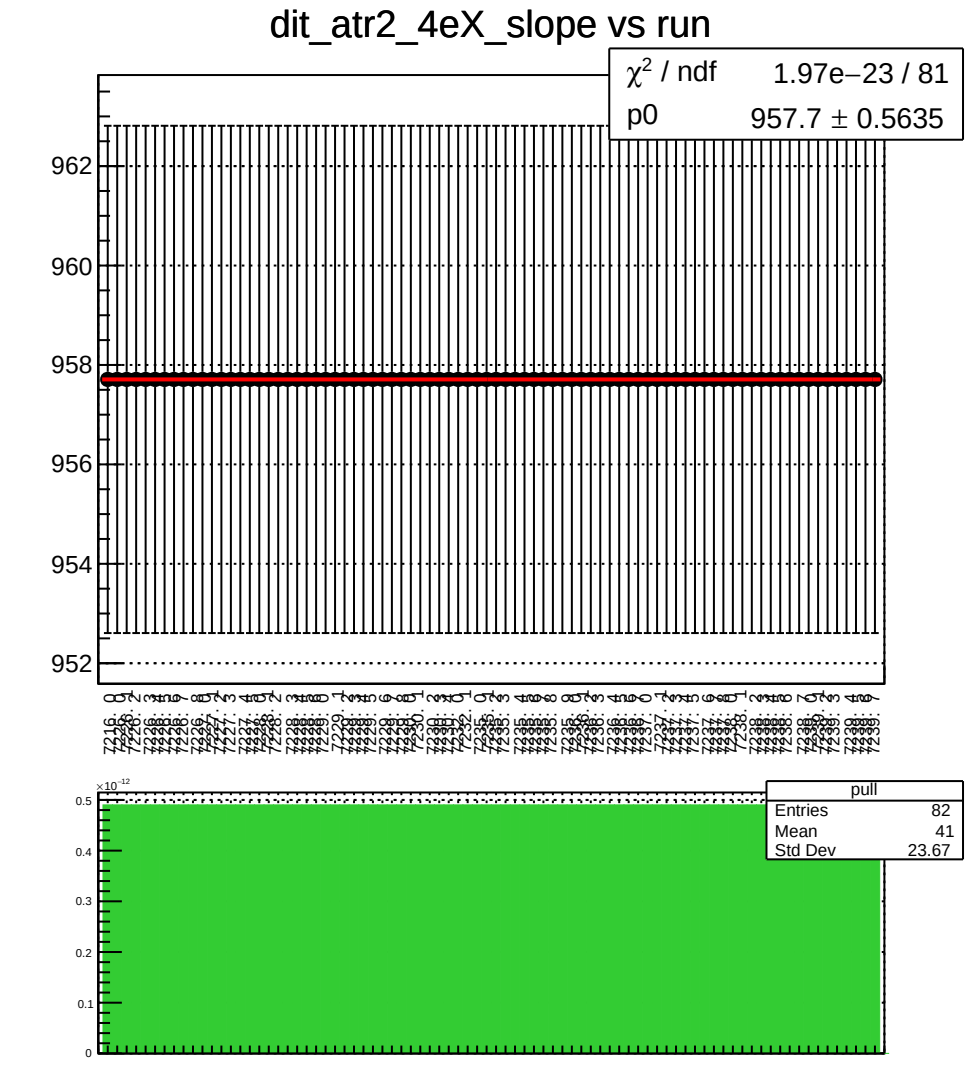

dit_atr1_4eX_slope vs run
χ² / ndf 1.208e−28 / 81
p0 8.943 ± 0.485
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.213e−15
Std Dev 8.976e−23

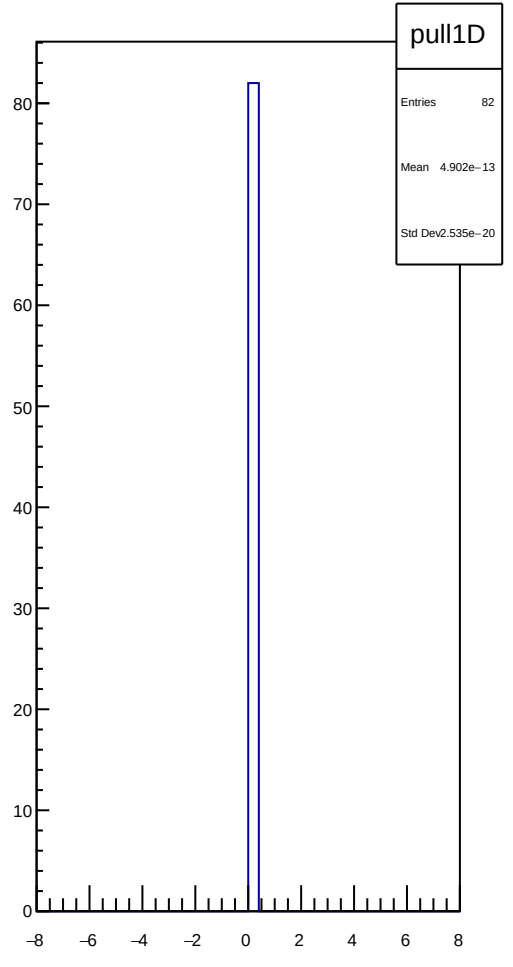

dit_atr1_11X12X_slope vs run
χ² / ndf 3.389e−26 / 81
p0 −17.4 ± 0.05789
−16.8
−17
−17.2
−17.4
−17.6
−17.8
−18
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
pull1D
Entries 82
Mean 2.033e−14
Std Dev 4.235e−22

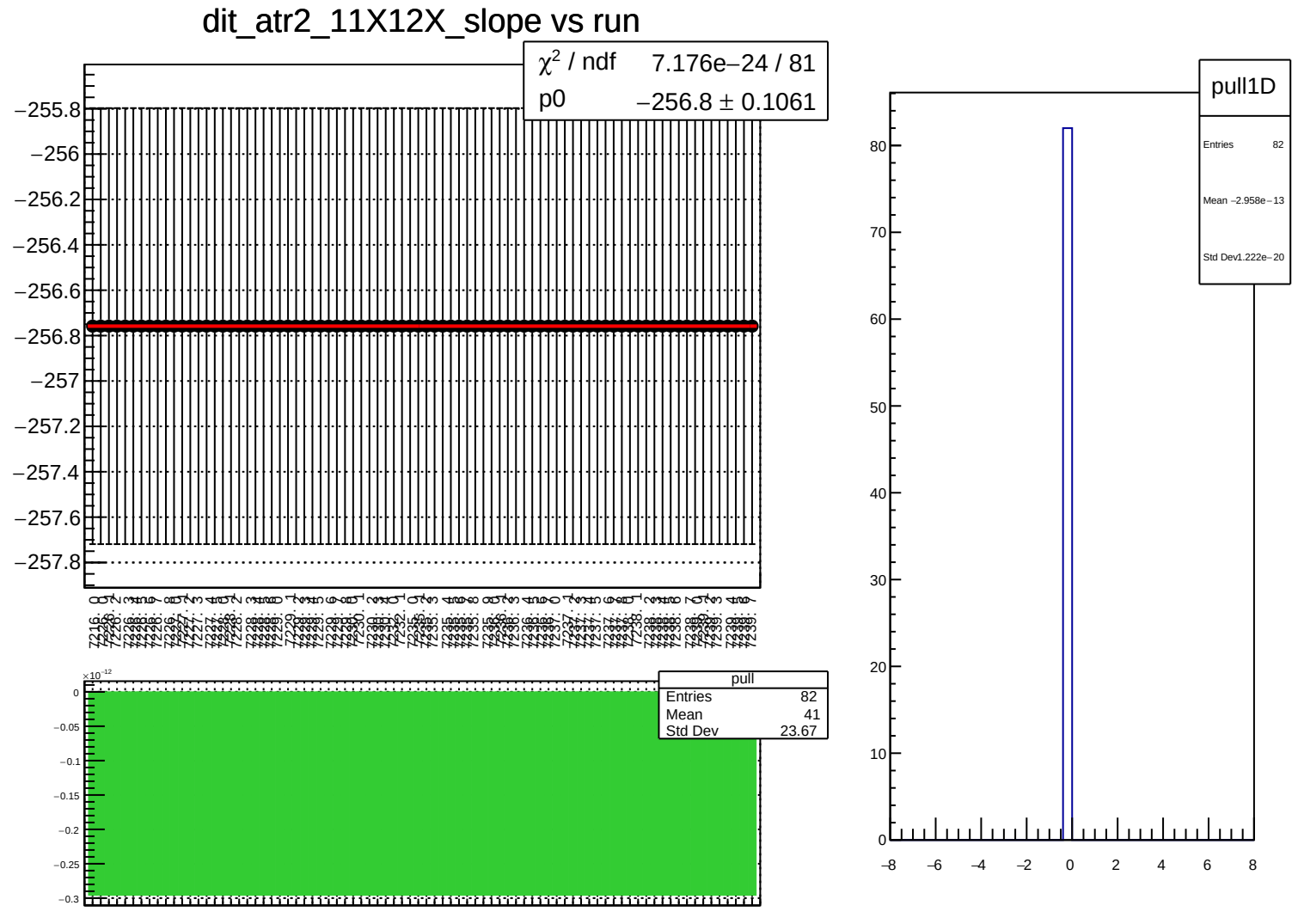

dit_atr1_4aY_slope vs run
χ² / ndf 7.173e−25 / 81
p0 19.22 ± 0.09648
20.2
20
19.8
19.6
19.4
19.2
19
18.8
18.6
18.4
18.2
×10⁻¹⁵
0
−20
−40
−60
−80
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −9.353e−14
Std Dev6.451e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

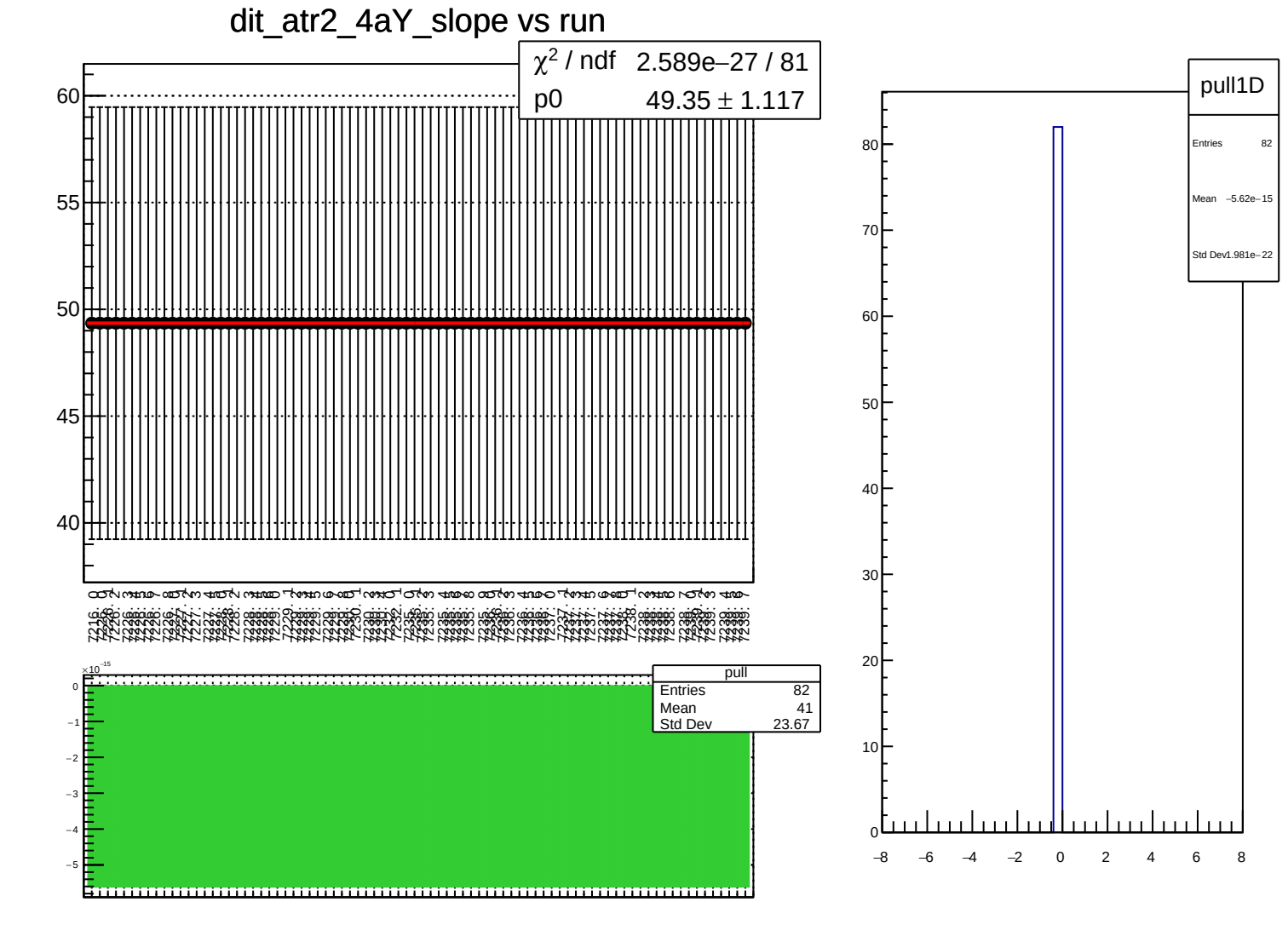

dit_atr1_4eY_slope vs run
χ² / ndf 1.055e−26 / 81
p0 −28.93 ± 0.06917
−28.2
−28.4
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 82
Mean −1.134e−14
Std Dev 3.962e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

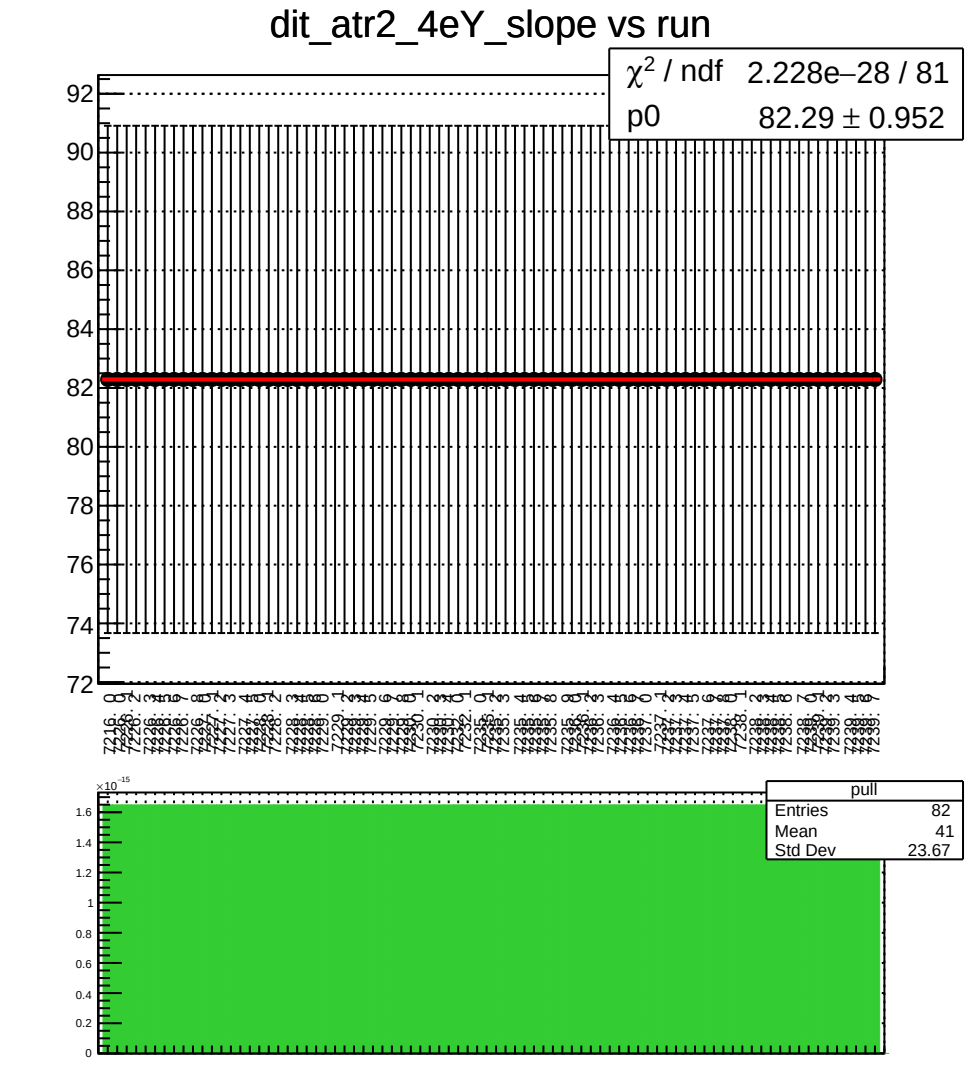

dit_atr2_4aX_slope vs run
χ² / ndf 2.245e−24 / 81
p0 −845 ± 0.8347
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.654e−13
Std Dev6.776e−21

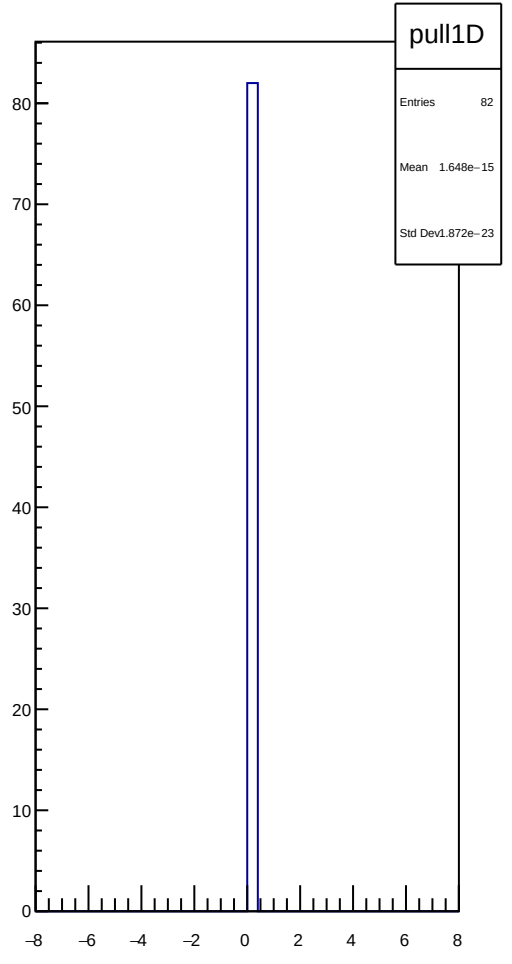

dit_atr2_4eX_slope vs run
χ² / ndf 1.97e−23 / 81
p0 957.7 ± 0.5635
962
960
958
956
954
952
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 82
Mean 41
Std Dev 23.67

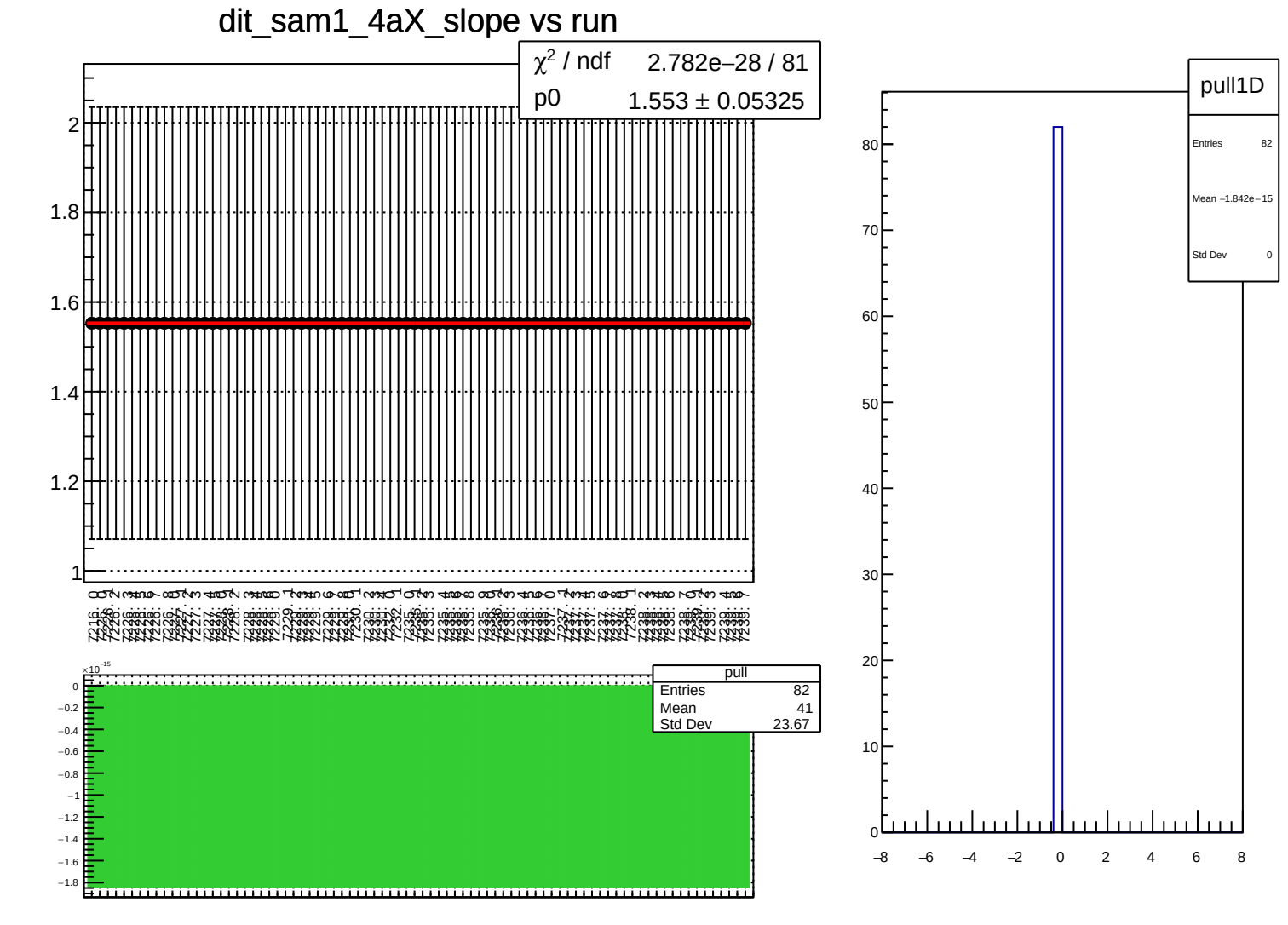

pull1D
Entries 82
Mean 4.902e−13
Std Dev2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

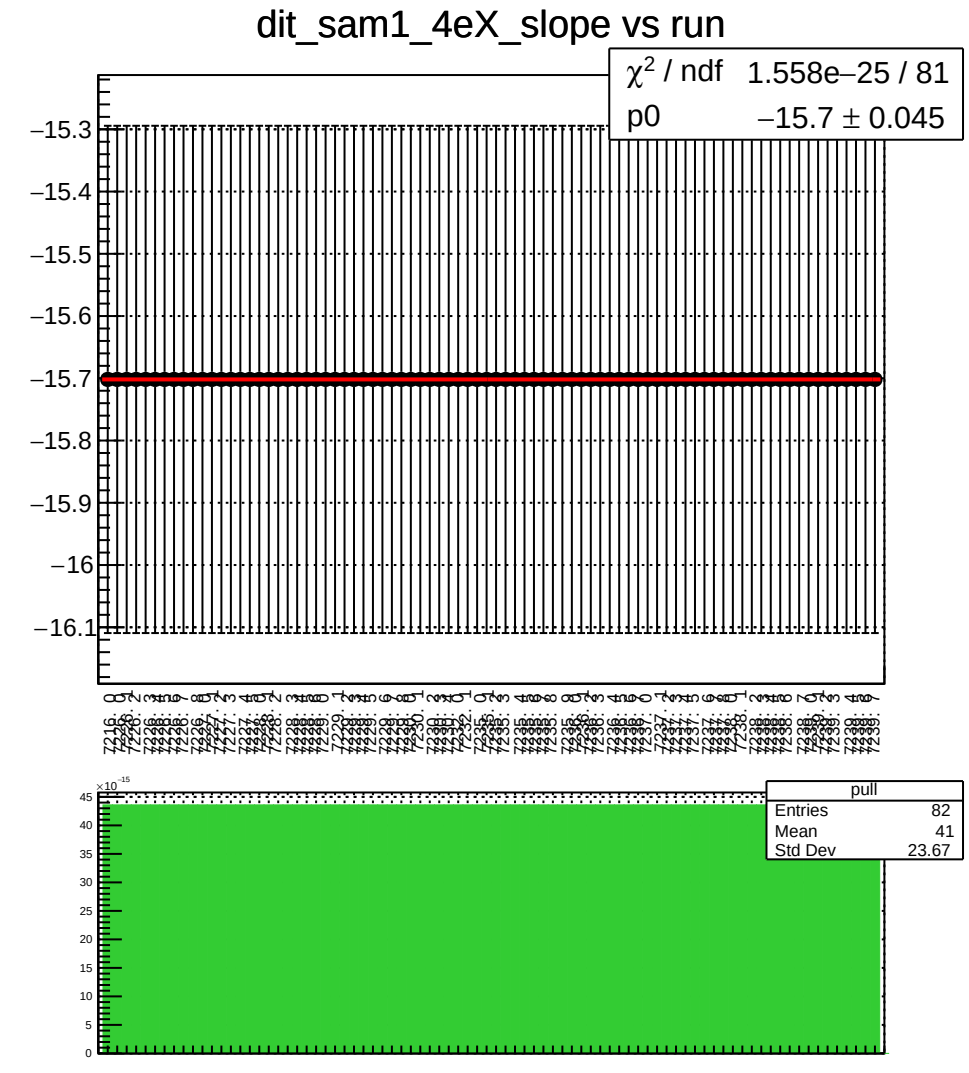

dit_atr2_11X12X_slope vs run
χ² / ndf 7.176e−24 / 81
p0 −256.8 ± 0.1061
−255.8
−256
−256.2
−256.4
−256.6
−256.8
−257
−257.2
−257.4
−257.6
−257.8
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −2.958e−13
Std Dev 1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

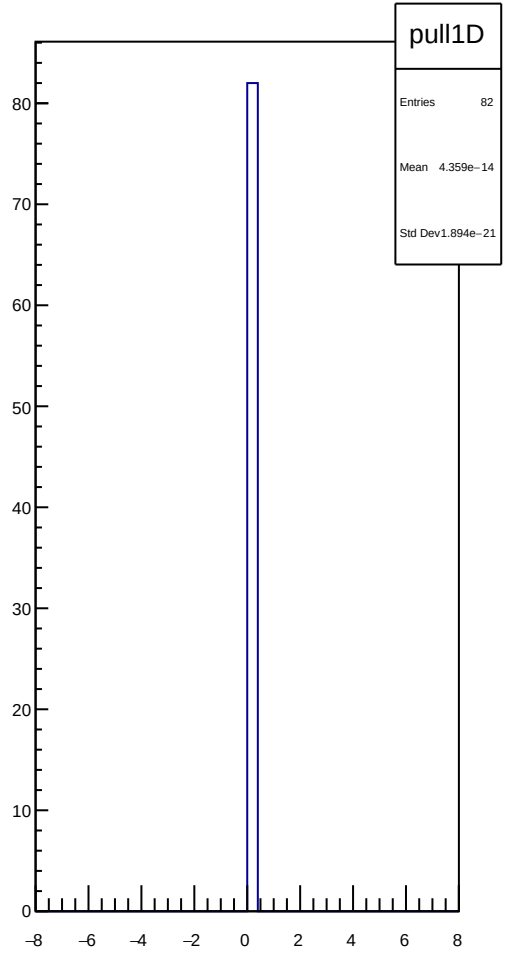

dit_atr2_4aY_slope vs run
χ² / ndf 2.589e−27 / 81
p0 49.35 ± 1.117
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.62e−15
Std Dev1.981e−22

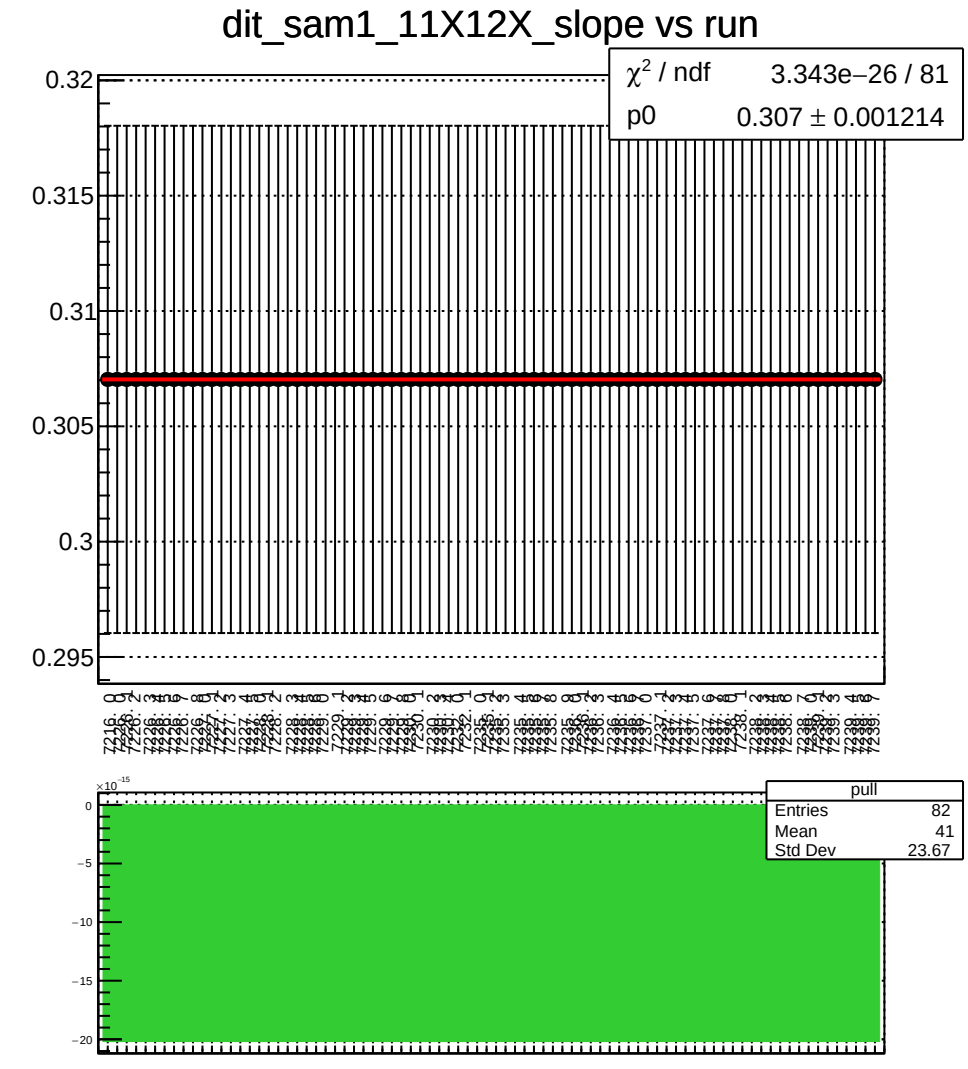

dit_atr2_4eY_slope vs run
χ² / ndf 2.228e−28 / 81
p0 82.29 ± 0.952
92
90
88
86
84
82
80
78
76
74
72
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

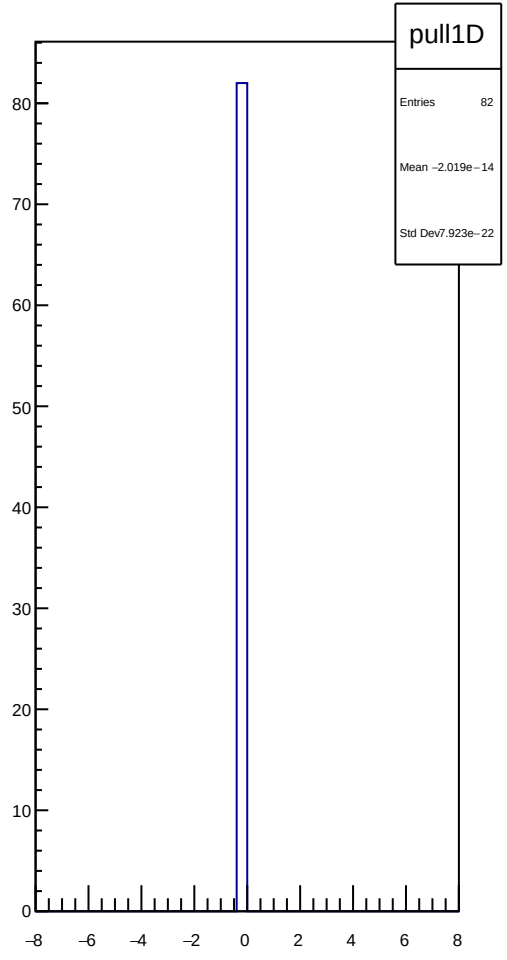

pull1D
Entries 82
Mean 1.648e−15
Std Dev1.872e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

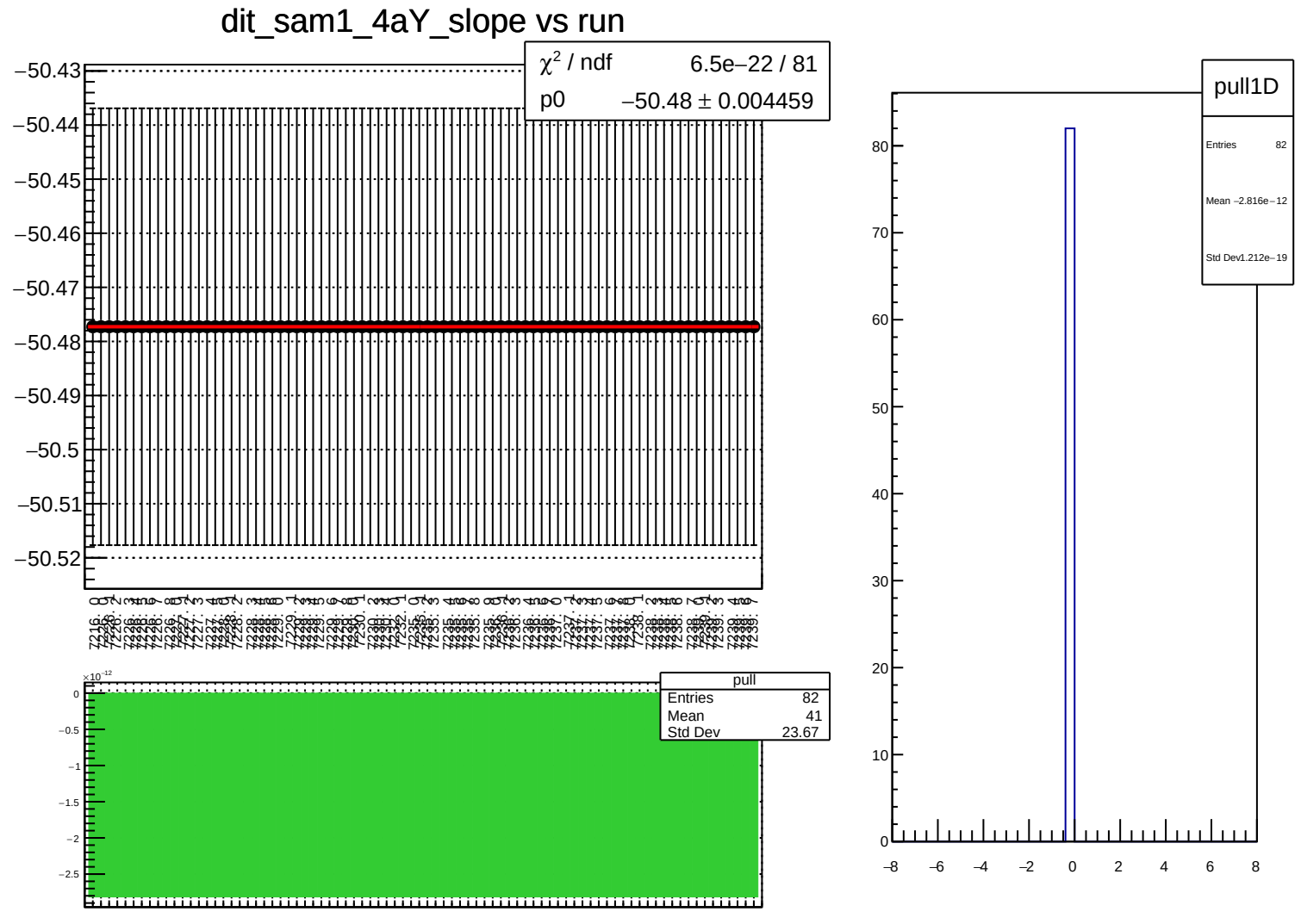

dit_sam1_4aX_slope vs run
χ² / ndf 2.782e−28 / 81
p0 1.553 ± 0.05325
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.842e−15
Std Dev 0

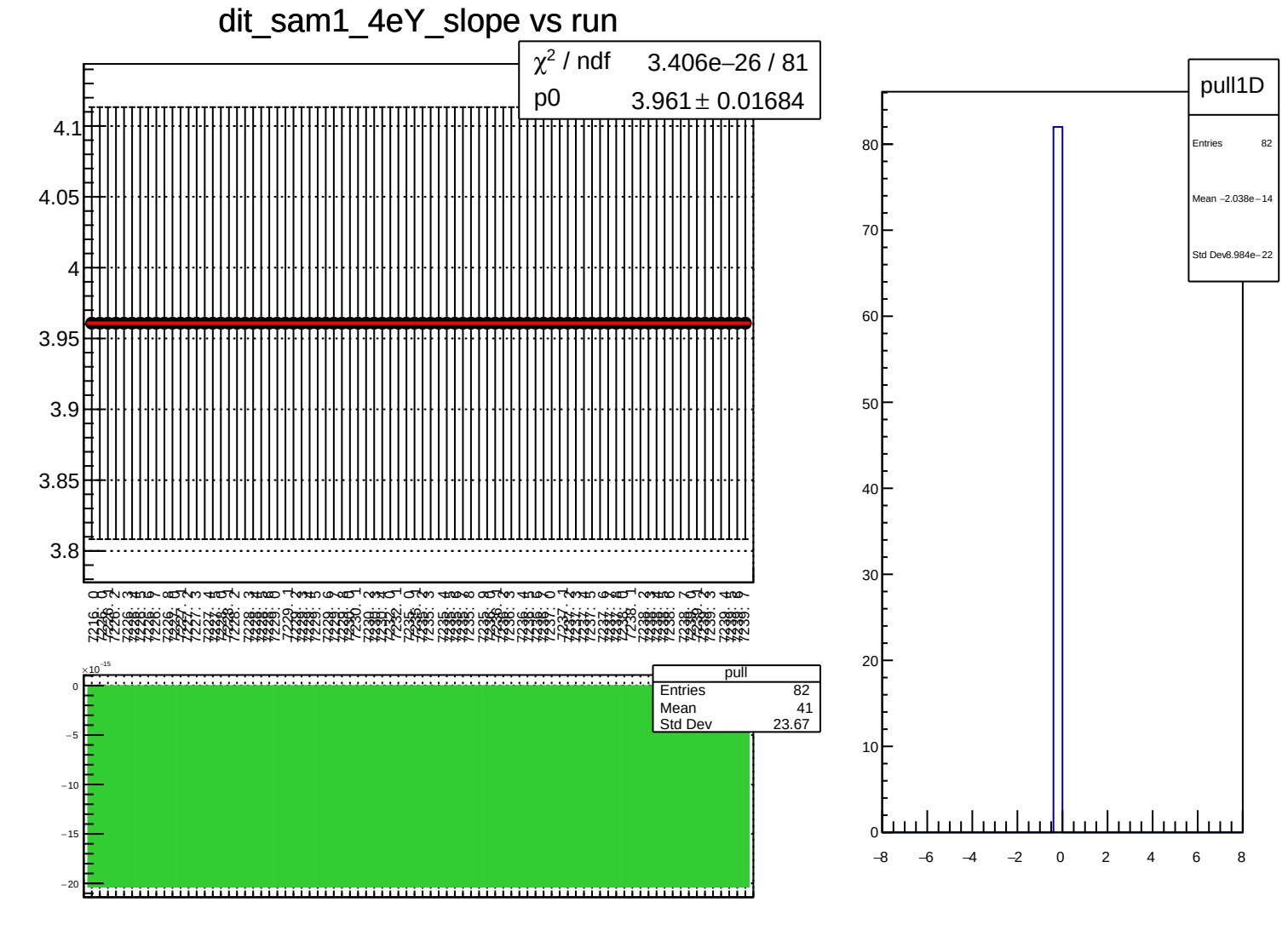

dit_sam1_4eX_slope vs run
χ² / ndf 1.558e−25 / 81
p0 −15.7 ± 0.045
−15.3
−15.4
−15.5
−15.6
−15.7
−15.8
−15.9
−16
−16.1
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

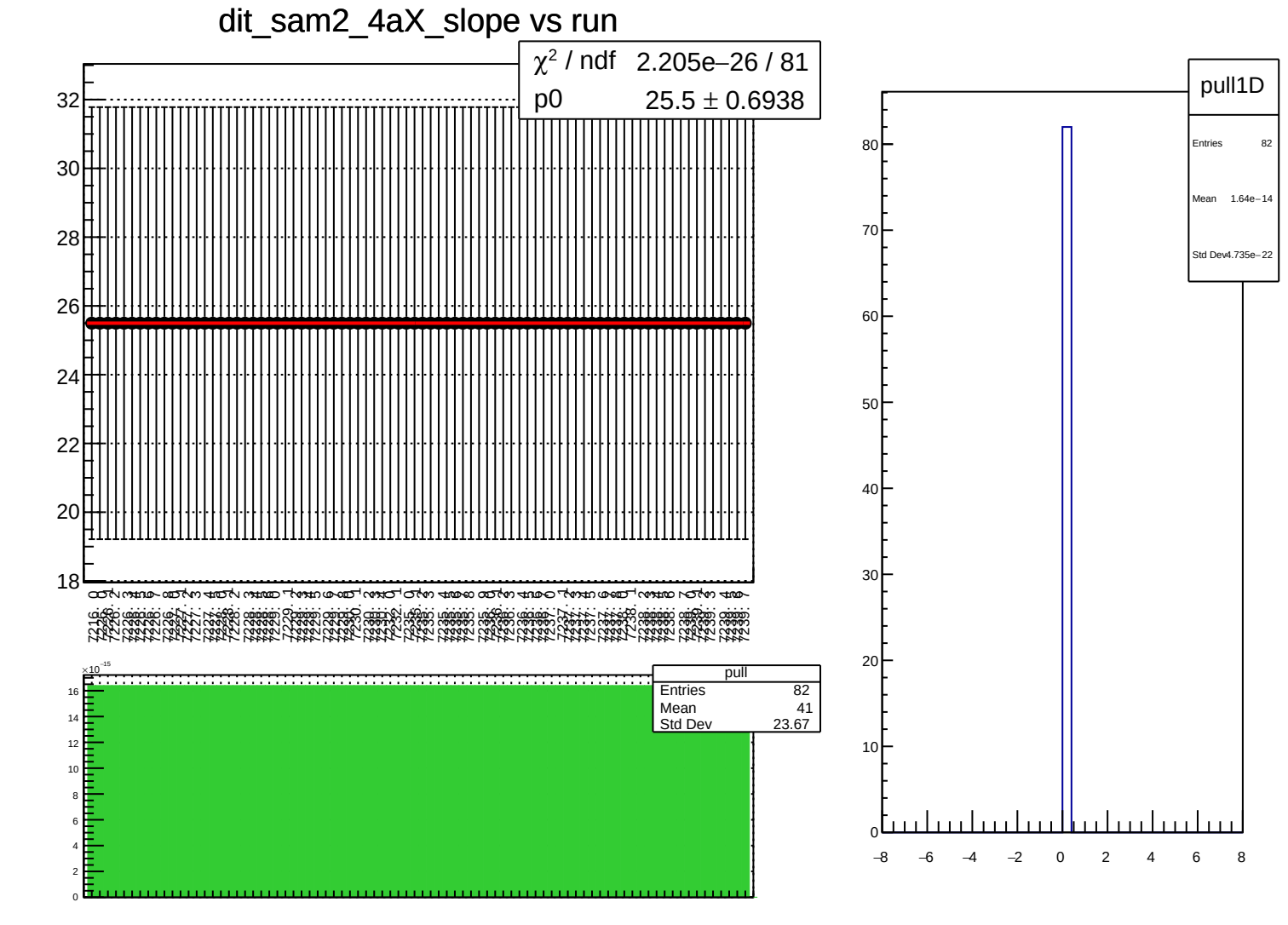

pull1D
Entries 82
Mean 4.359e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

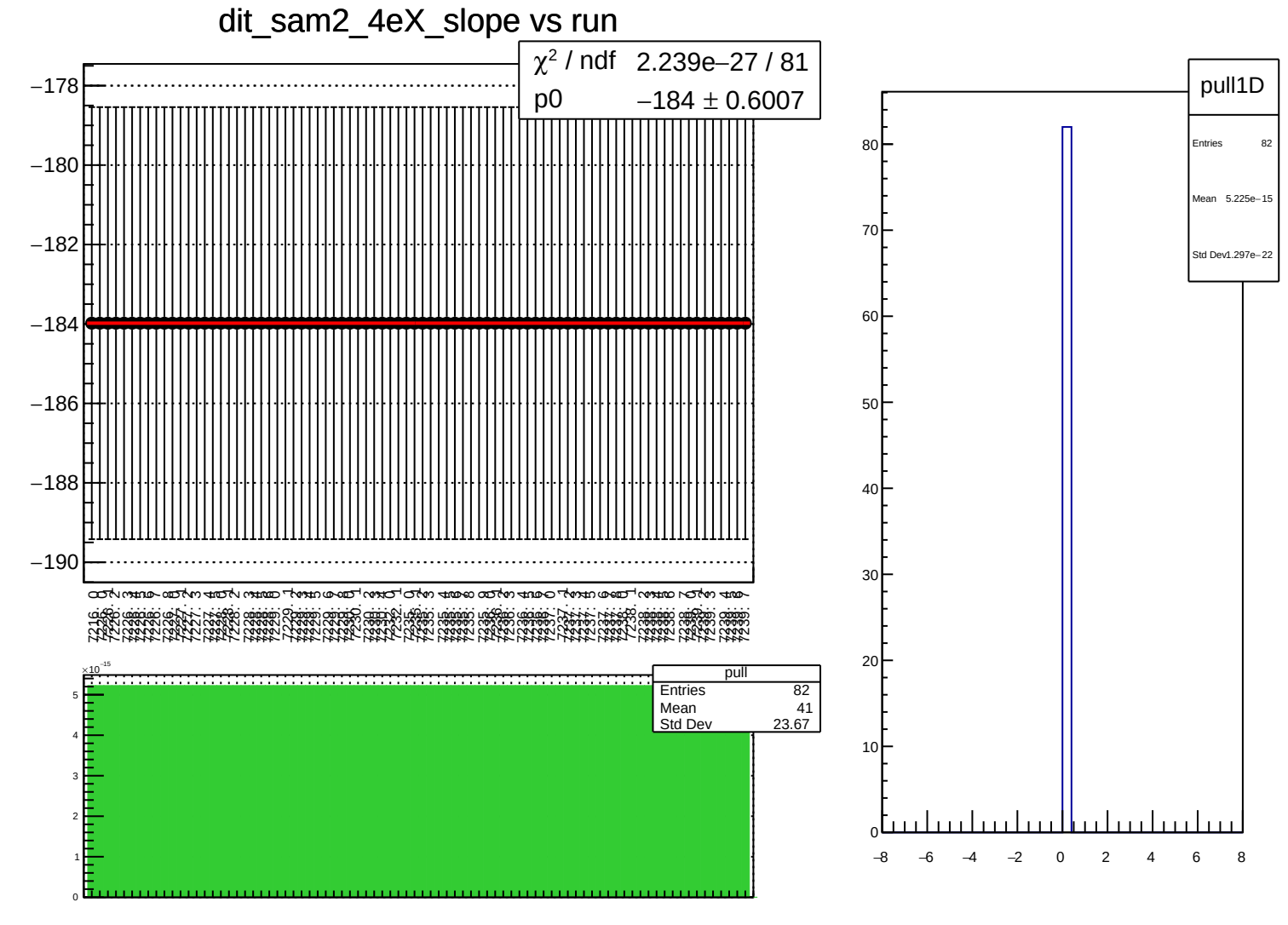

dit_sam1_11X12X_slope vs run
χ² / ndf 3.343e−26 / 81
p0 0.307 ± 0.001214
0.32
0.315
0.31
0.305
0.3
0.295
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20

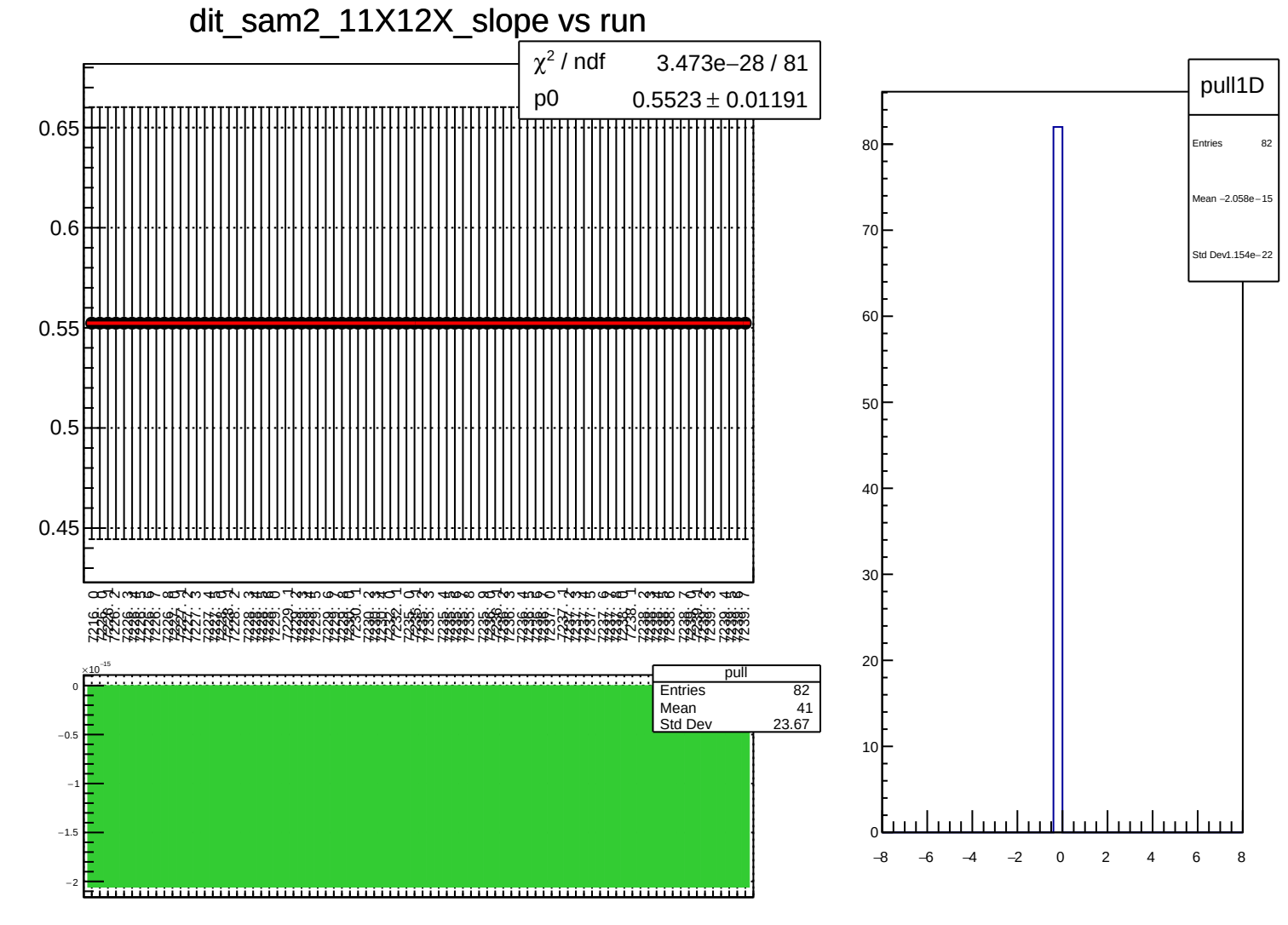

pull1D
Entries 82
Mean −2.019e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

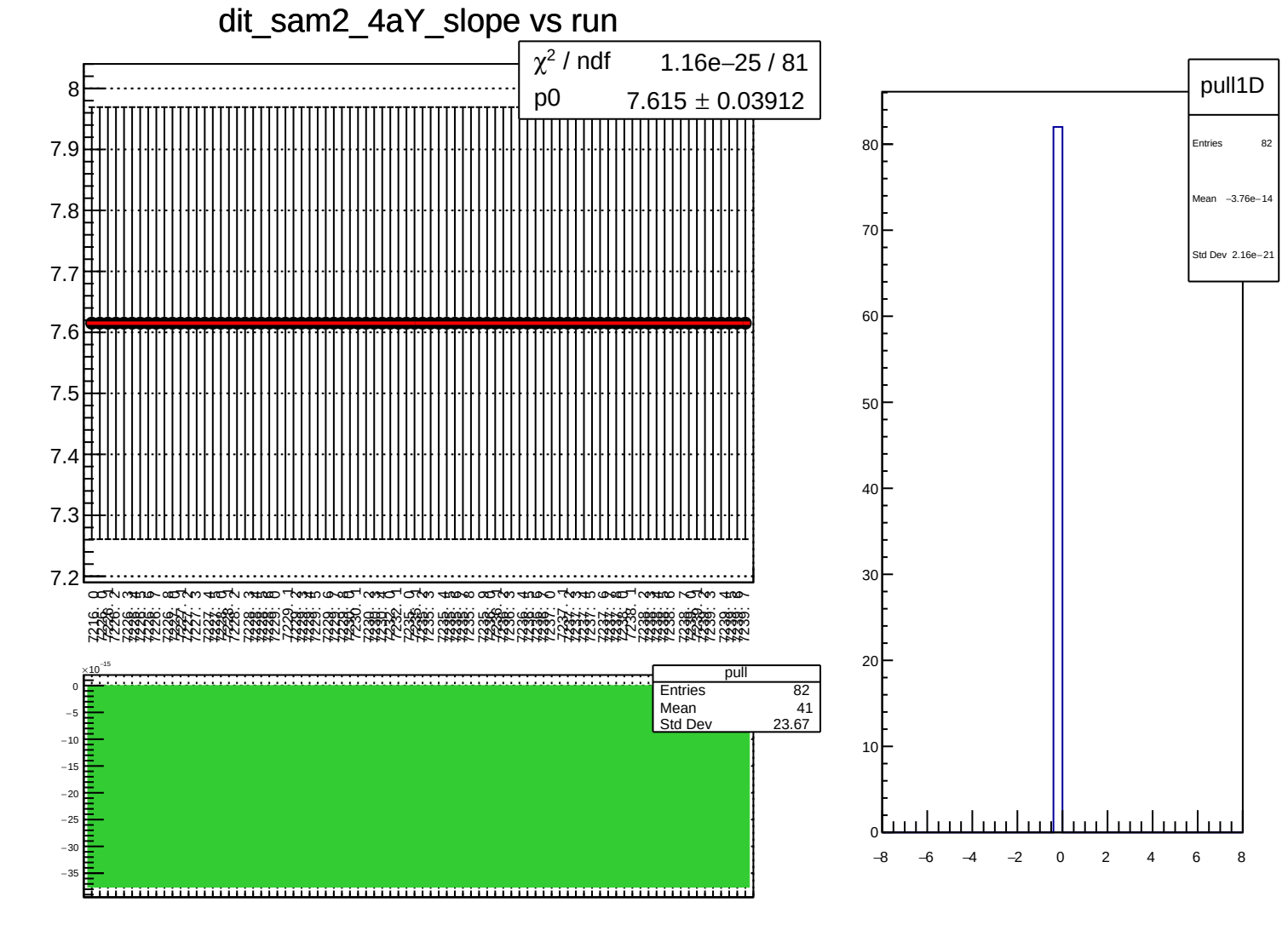

dit_sam1_4aY_slope vs run
χ² / ndf 6.5e−22 / 81
p0 −50.48 ± 0.004459
−50.43
−50.44
−50.45
−50.46
−50.47
−50.48
−50.49
−50.5
−50.51
−50.52
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −2.816e−12
Std Dev 1.212e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

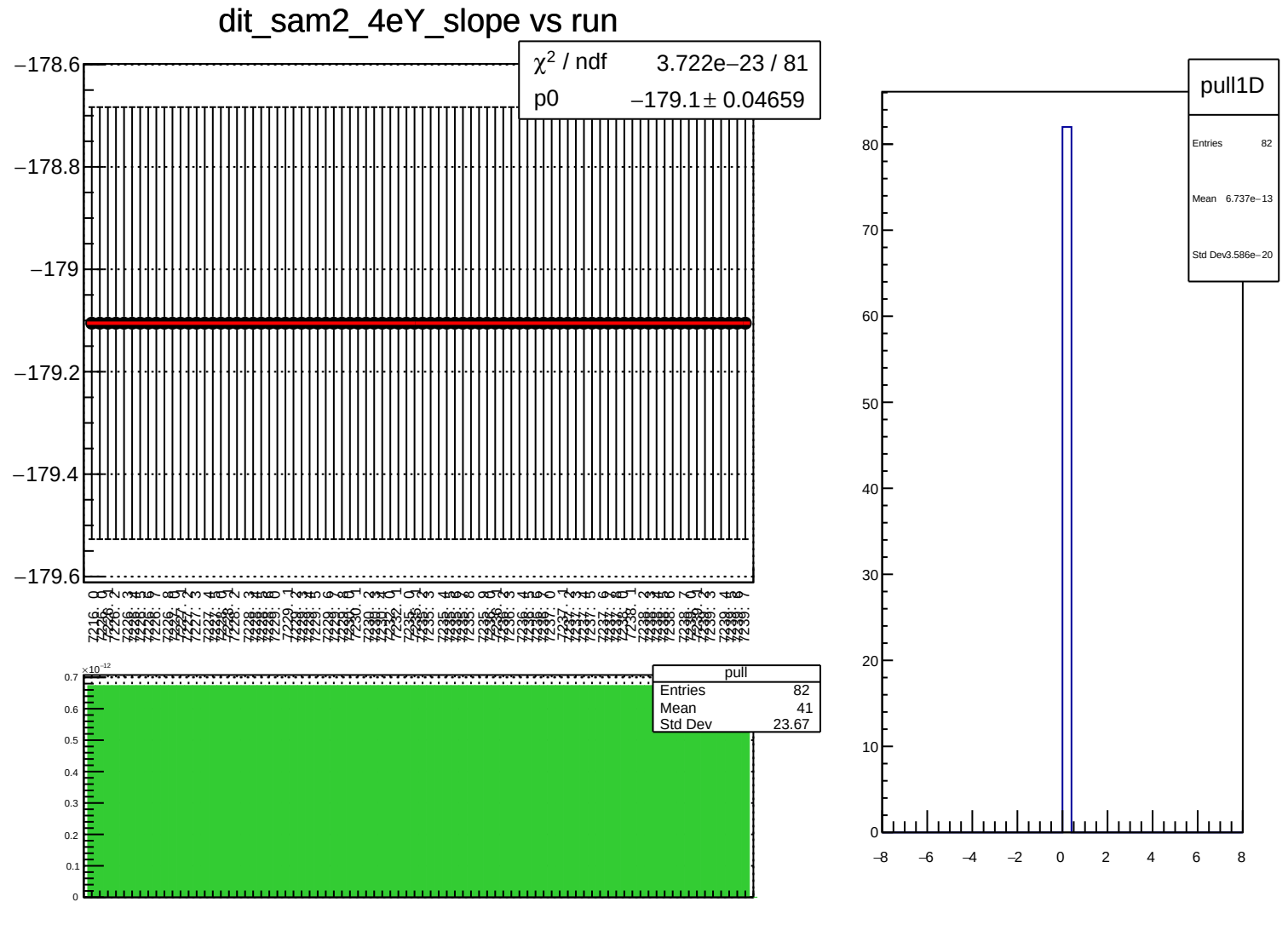

dit_sam1_4eY_slope vs run
χ² / ndf 3.406e−26 / 81
p0 3.961 ± 0.01684
4.1
4.05
4
3.95
3.9
3.85
3.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 82
Mean −2.038e−14
Std Dev 8.984e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

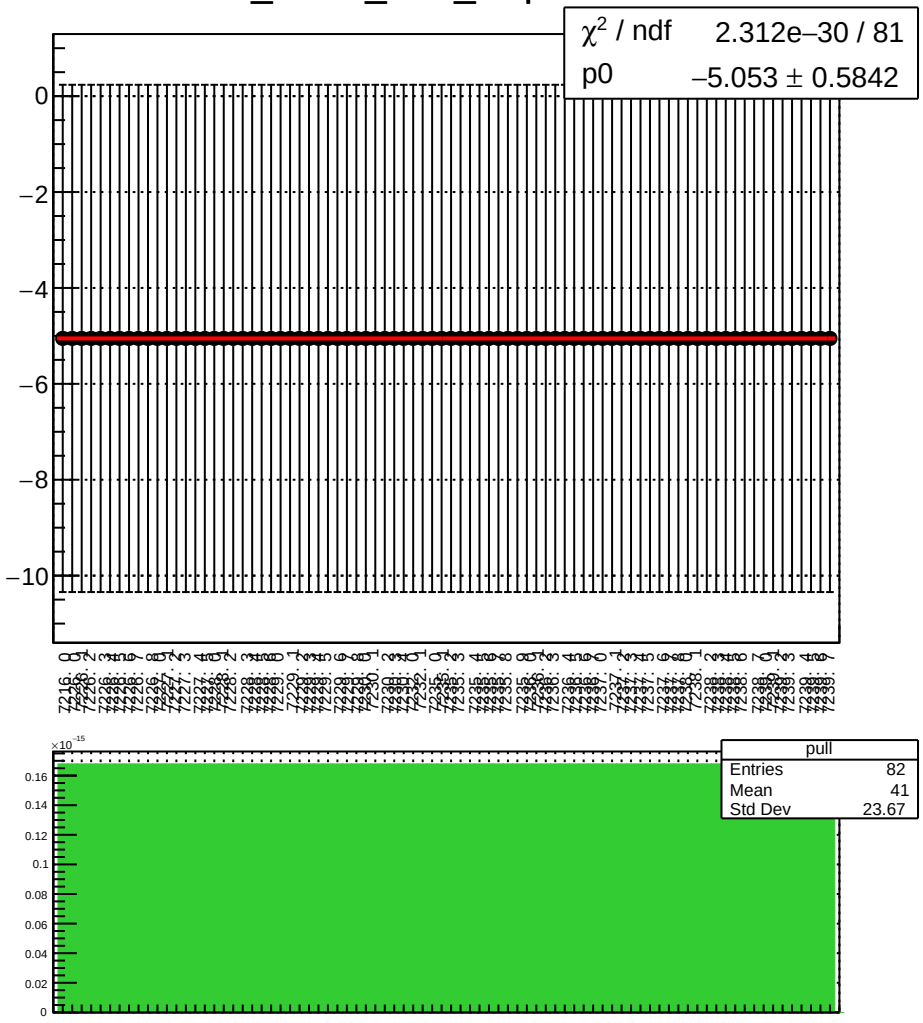

dit_sam2_4aX_slope vs run
χ² / ndf 2.205e−26 / 81
p0 25.5 ± 0.6938
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.64e−14
Std Dev 4.735e−22

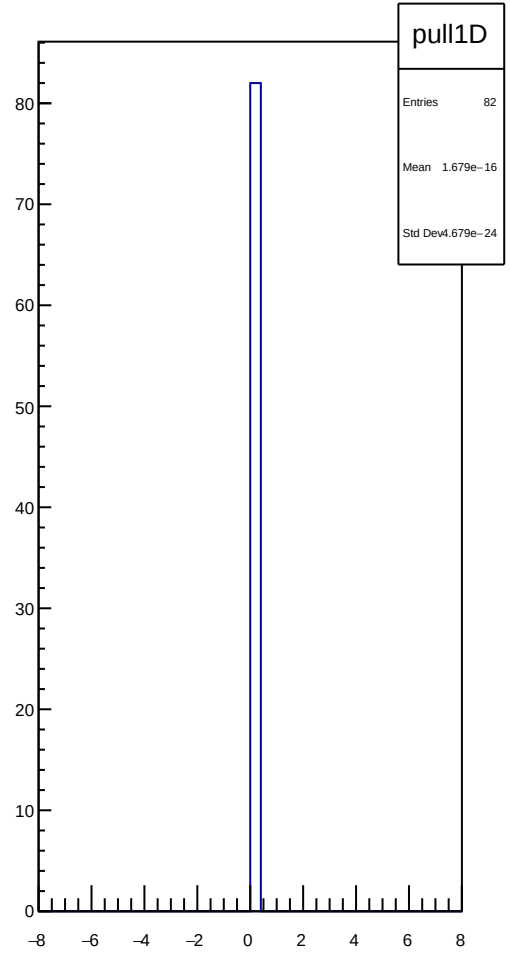

dit_sam2_4eX_slope vs run
χ² / ndf 2.239e−27 / 81
p0 −184 ± 0.6007
−178
−180
−182
−184
−186
−188
−190
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
5
4
3
2
1
0
pull1D
Entries 82
Mean 5.225e−15
Std Dev1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

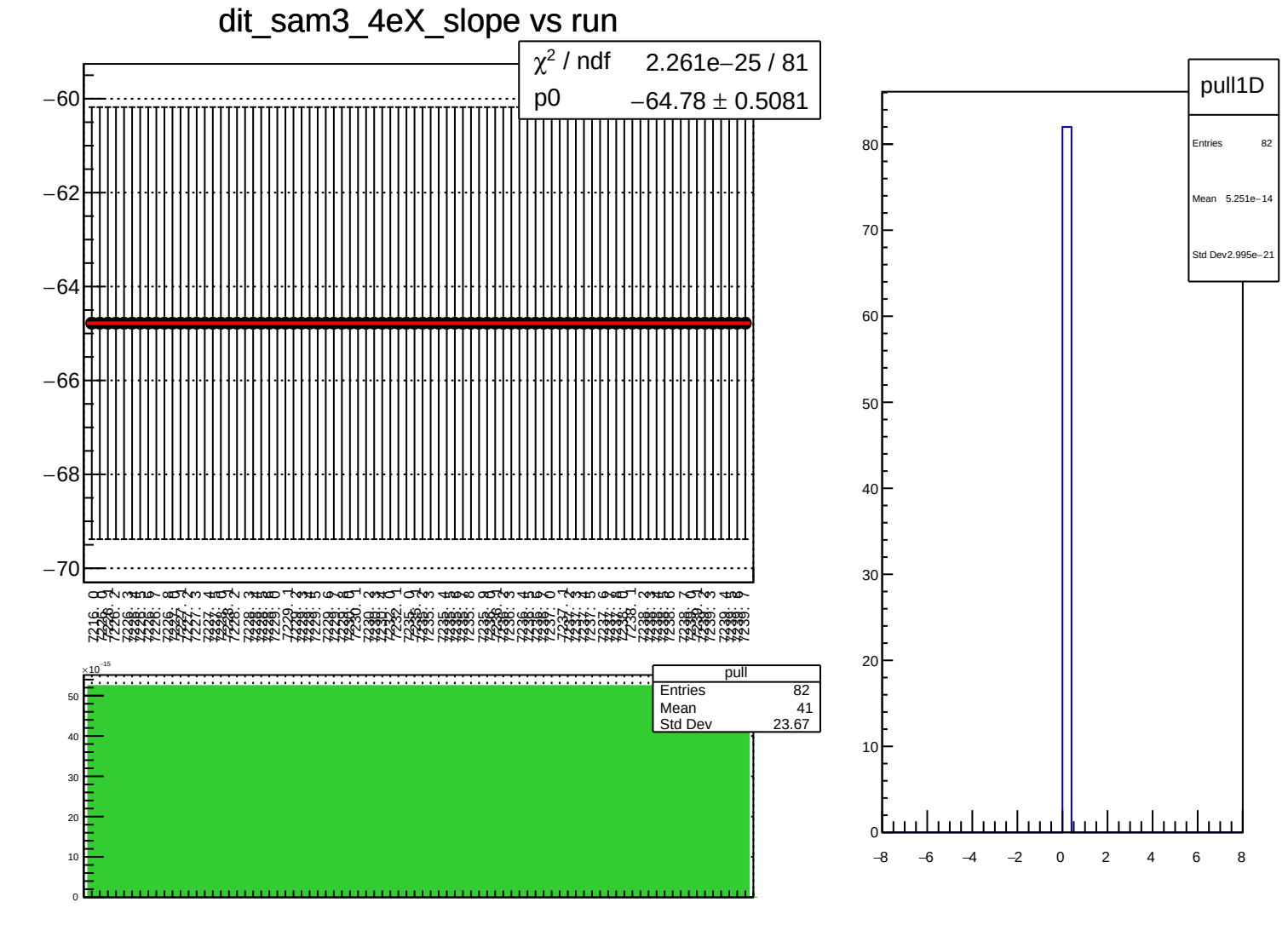

dit_sam2_11X12X_slope vs run
χ² / ndf 3.473e−28 / 81
p0 0.5523 ± 0.01191
0.65
0.6
0.55
0.5
0.45
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −2.058e−15
Std Dev1.154e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

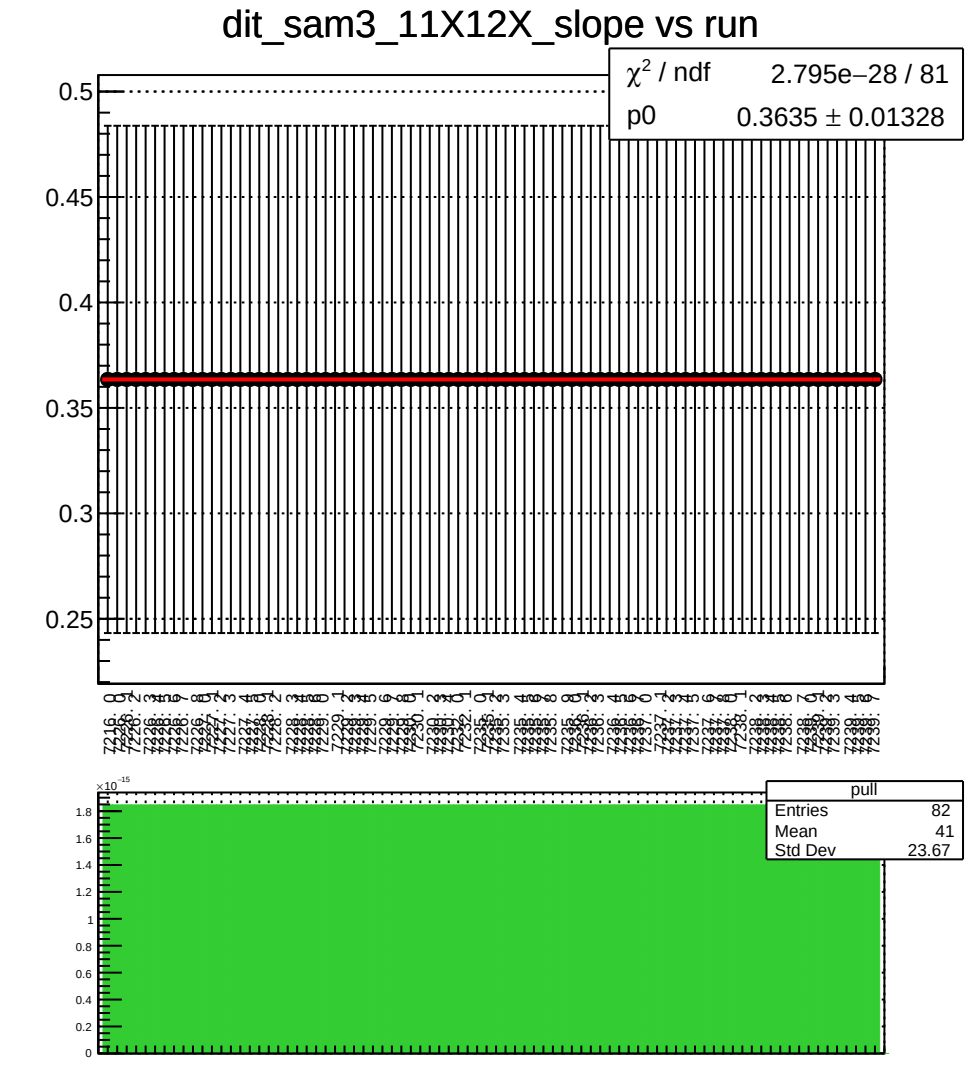

dit_sam2_4aY_slope vs run
χ² / ndf 1.16e−25 / 81
p0 7.615 ± 0.03912
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −3.76e−14
Std Dev 2.16e−21

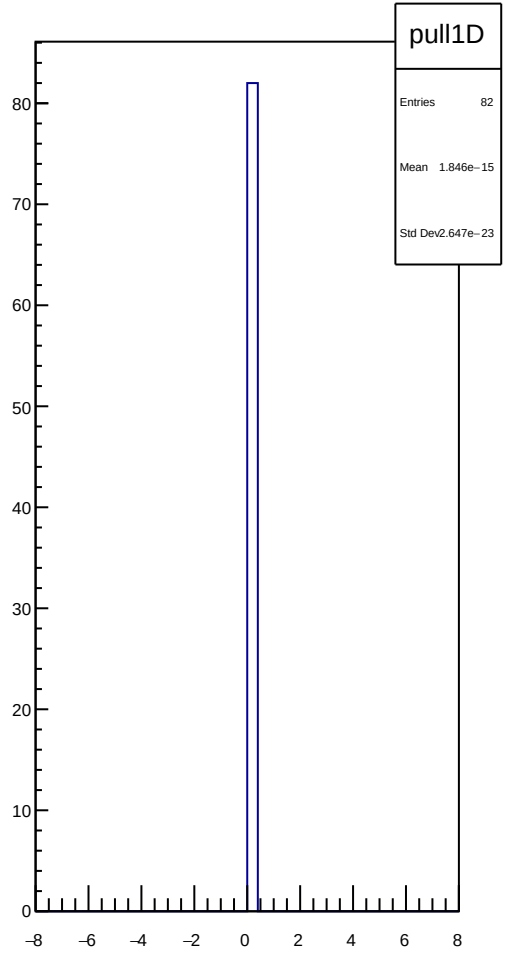

dit_sam2_4eY_slope vs run
χ² / ndf 3.722e−23 / 81
p0 −179.1 ± 0.04659
−178.6
−178.8
−179
−179.2
−179.4
−179.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 82
Mean 6.737e−13
Std Dev 3.586e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

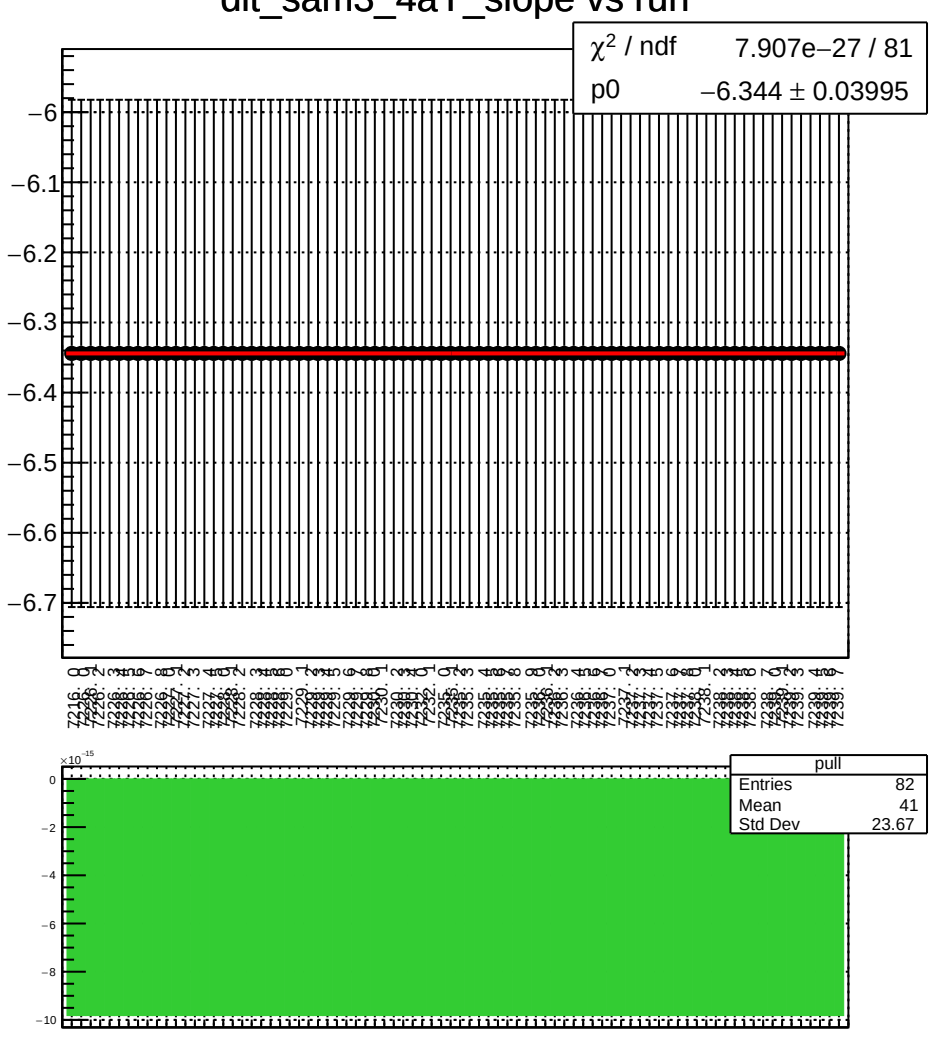

dit_sam3_4aX_slope vs run
χ² / ndf 2.312e−30 / 81
p0 −5.053 ± 0.5842
pull
Entries 82
Mean 41
Std Dev 23.67

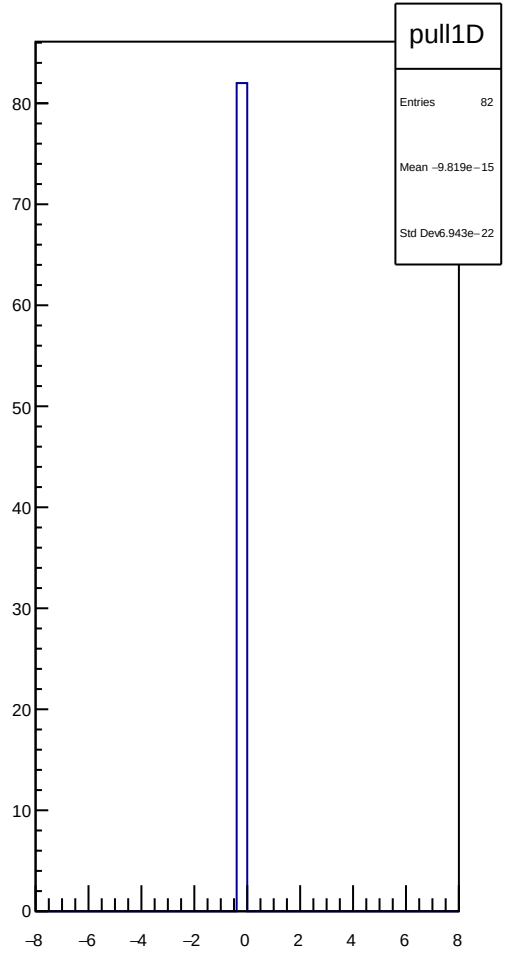

pull1D
Entries 82
Mean 1.679e−16
Std Dev 4.679e−24

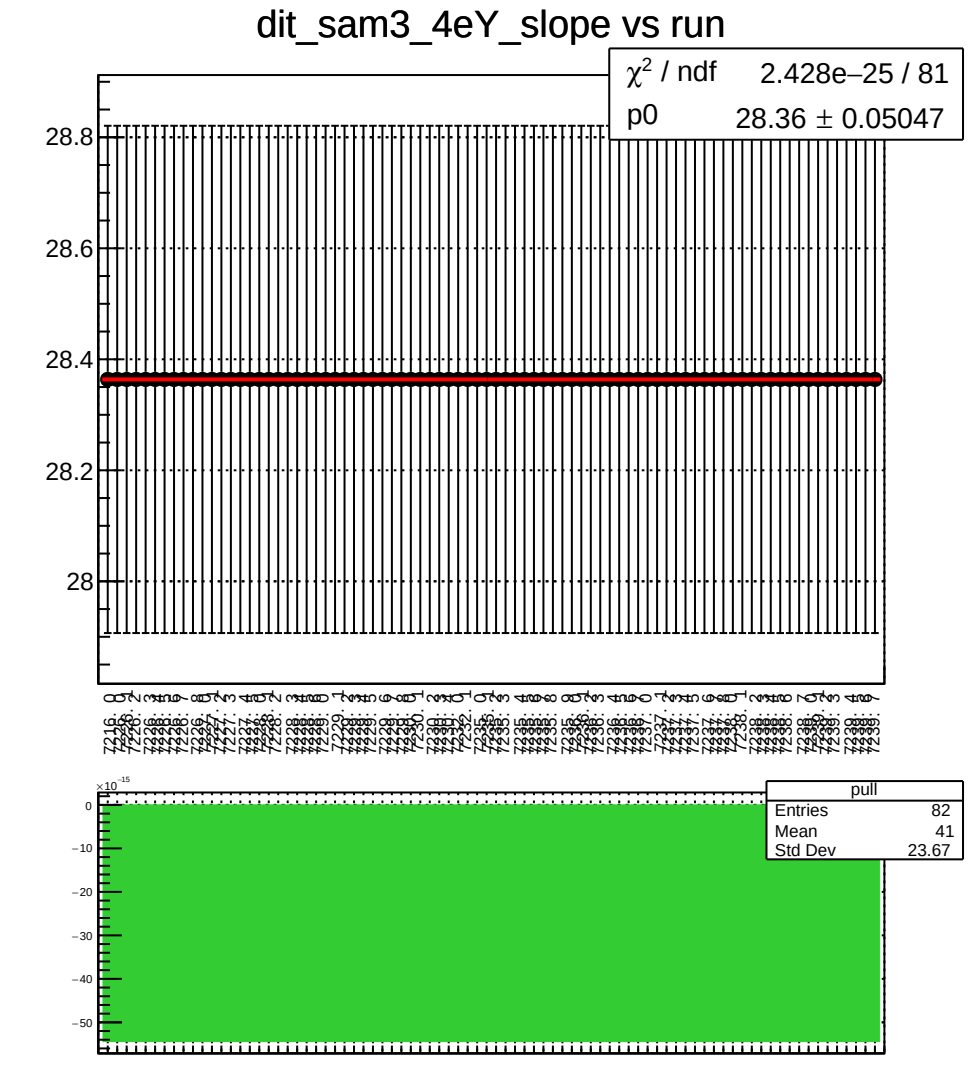

dit_sam3_4eX_slope vs run
χ² / ndf 2.261e−25 / 81
p0 −64.78 ± 0.5081
−60
−62
−64
−66
−68
−70
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 82
Mean 5.251e−14
Std Dev2.995e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

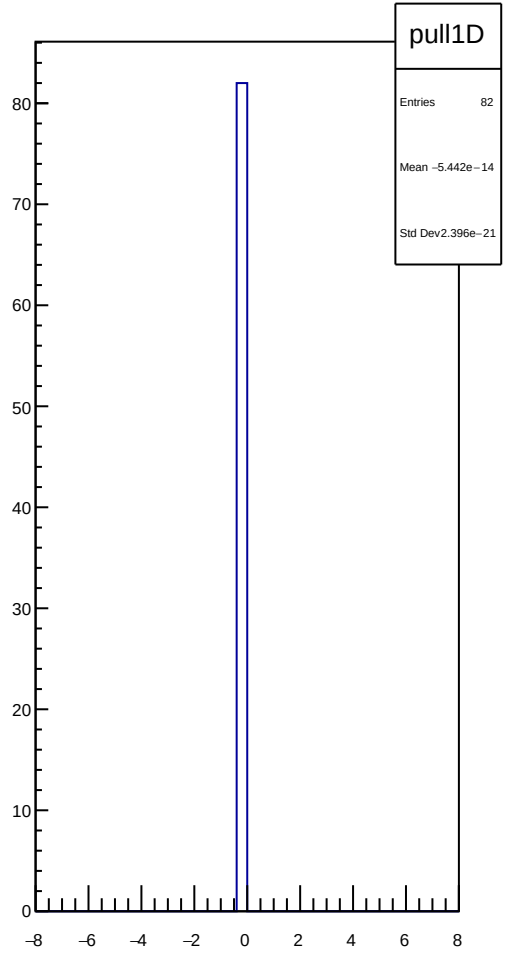

dit_sam3_11X12X_slope vs run
χ² / ndf 2.795e−28 / 81
p0 0.3635 ± 0.01328
0.5
0.45
0.4
0.35
0.3
0.25
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

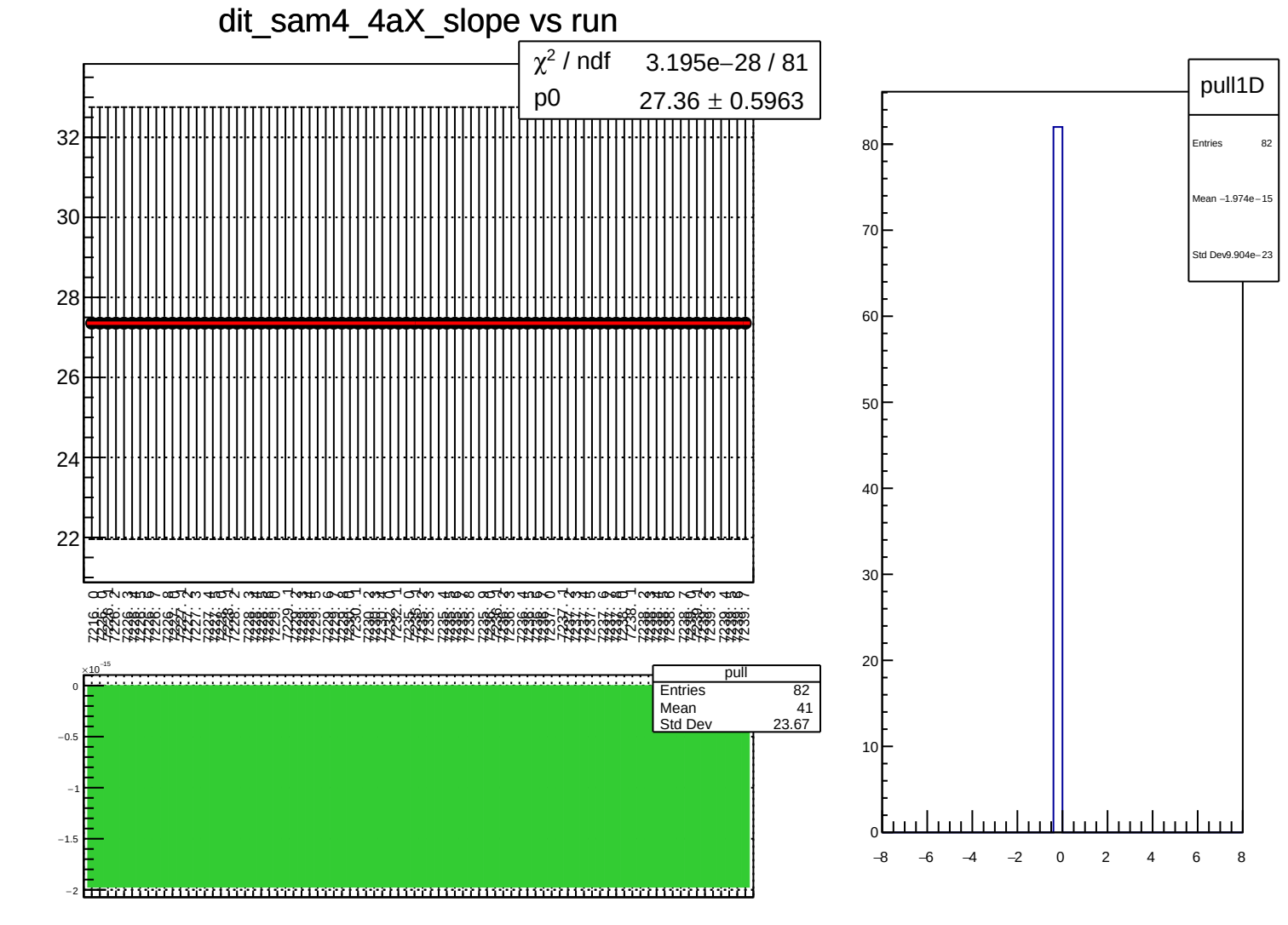

pull1D
Entries 82
Mean 1.846e−15
Std Dev 2.647e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

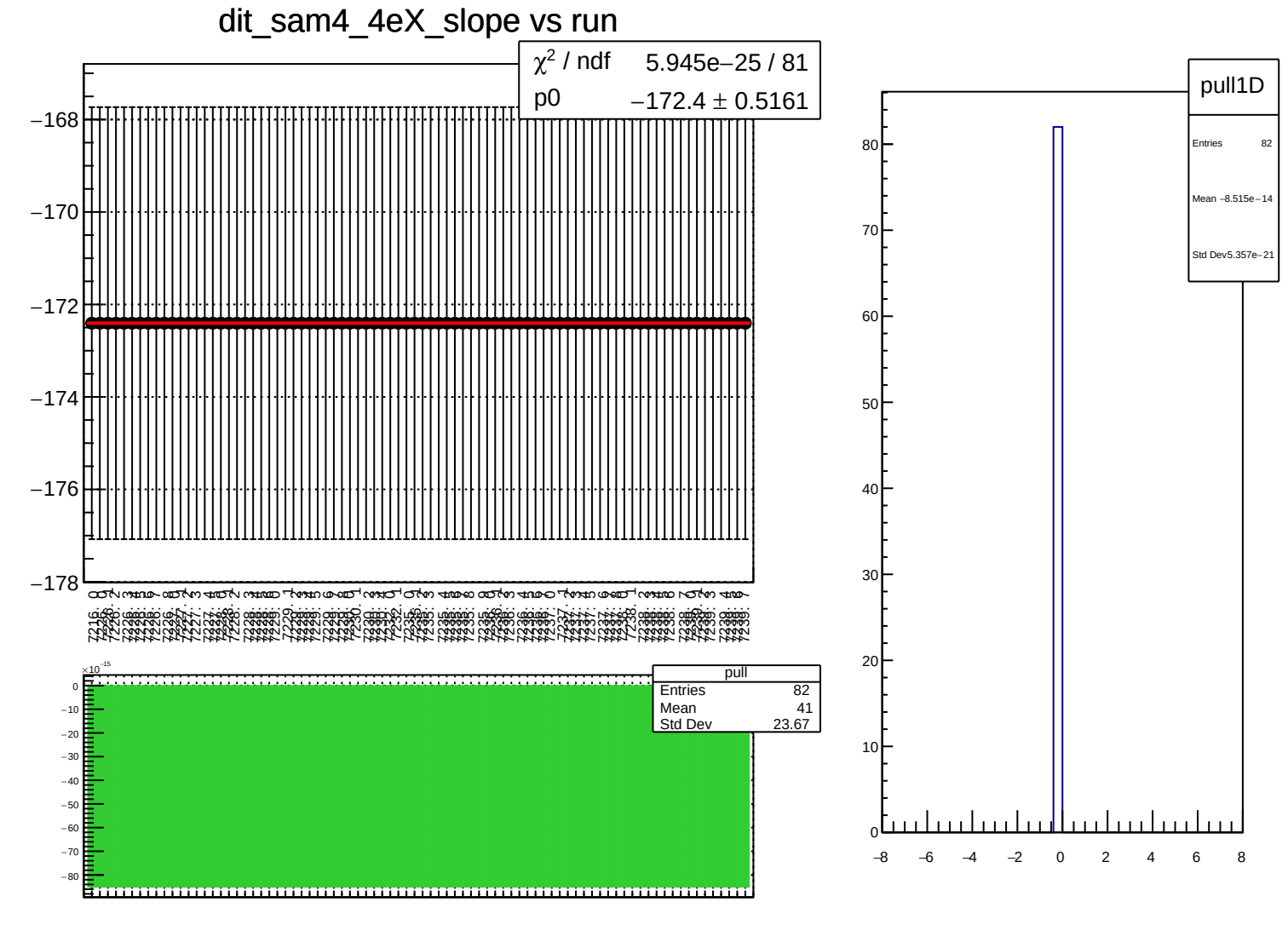

dit_sam3_4aY_slope vs run
χ² / ndf 7.907e−27 / 81
p0 −6.344 ± 0.03995
−6
−6.1
−6.2
−6.3
−6.4
−6.5
−6.6
−6.7
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−2
−4
−6
−8
−10

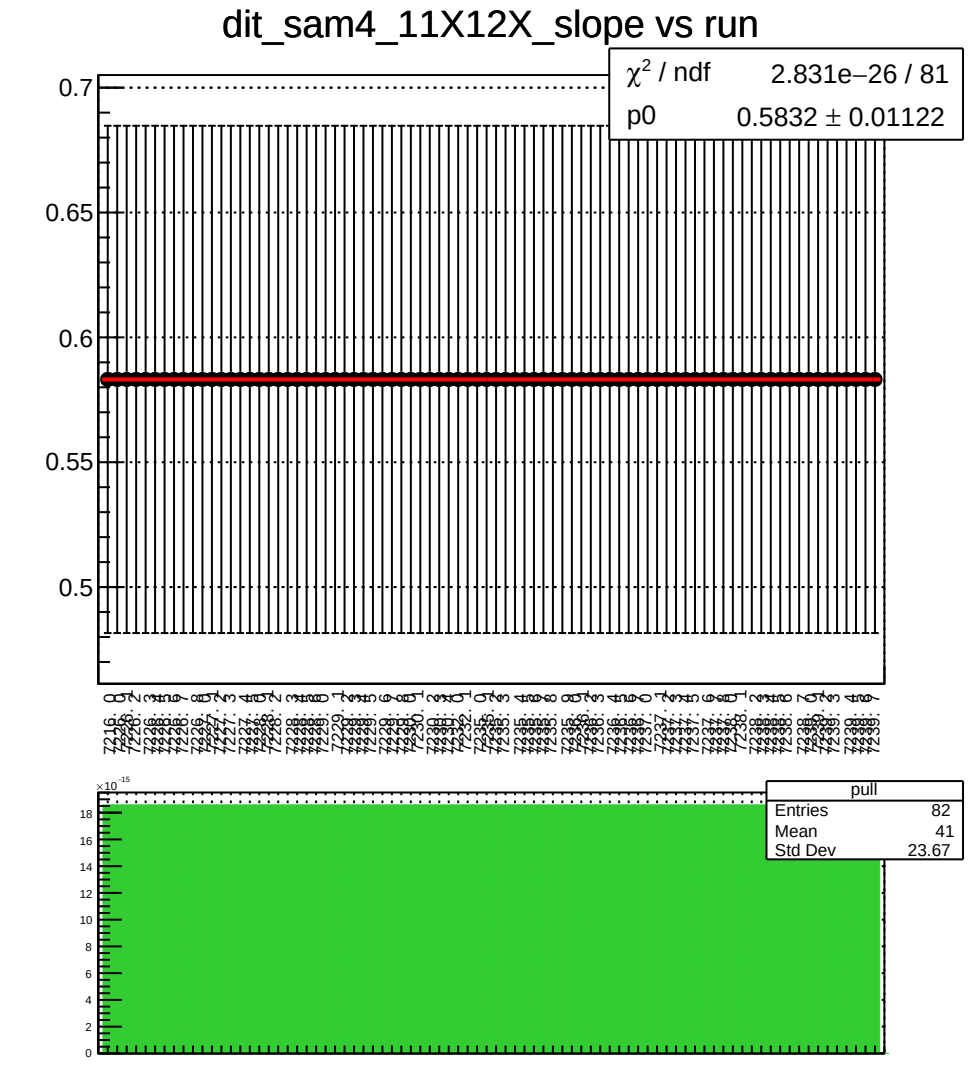

pull1D
Entries 82
Mean −9.819e−15
Std Dev 6.943e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

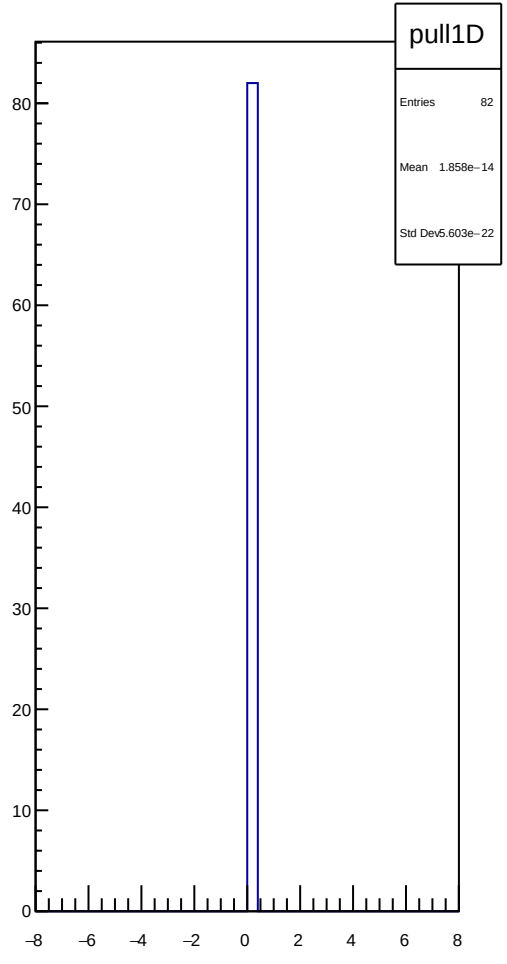

dit_sam3_4eY_slope vs run
χ² / ndf 2.428e−25 / 81
p0 28.36 ± 0.05047
28.8
28.6
28.4
28.2
28
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50

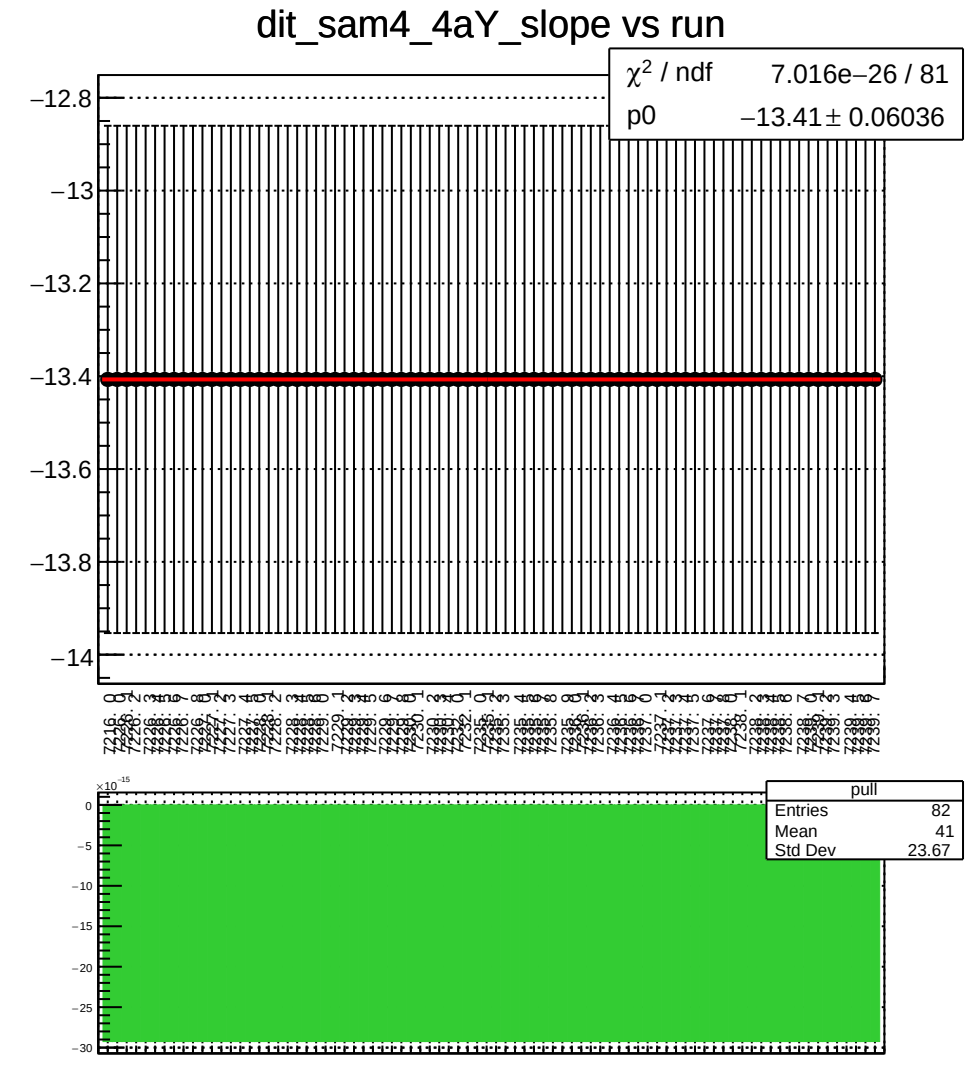

pull1D
Entries 82
Mean −5.442e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

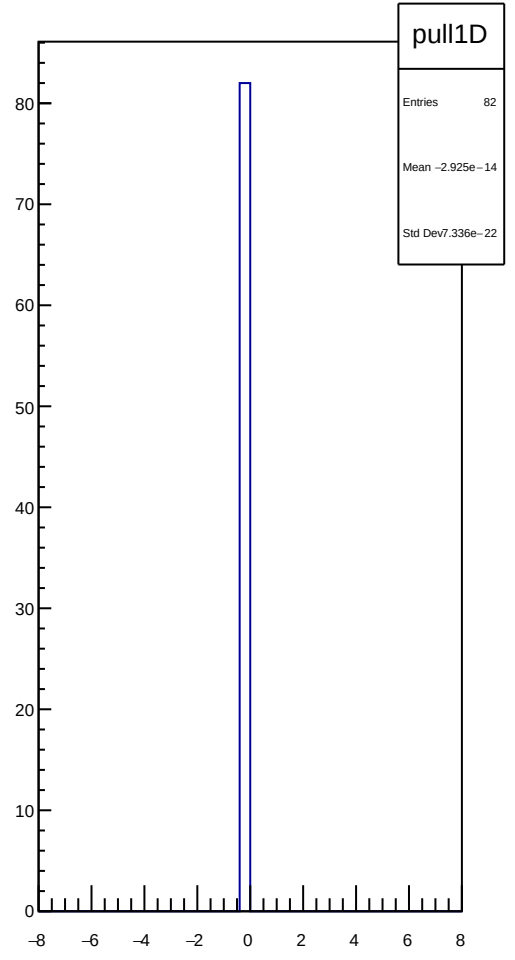

dit_sam4_4aX_slope vs run
χ² / ndf 3.195e−28 / 81
p0 27.36 ± 0.5963
32
30
28
26
24
22
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −1.974e−15
Std Dev 9.904e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

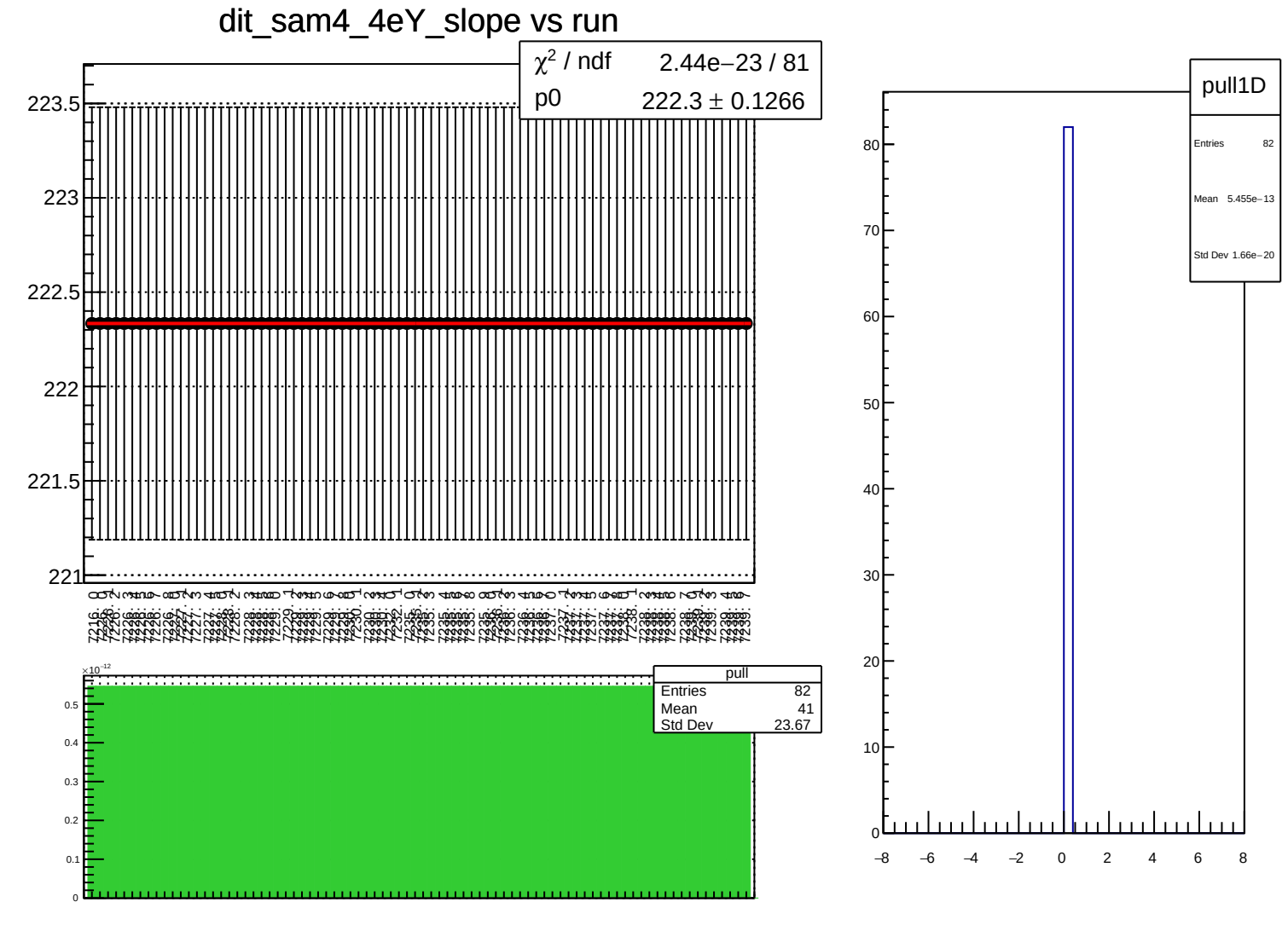

dit_sam4_4eX_slope vs run
χ² / ndf 5.945e−25 / 81
p0 −172.4 ± 0.5161
−168
−170
−172
−174
−176
−178
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 82
Mean −8.515e−14
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

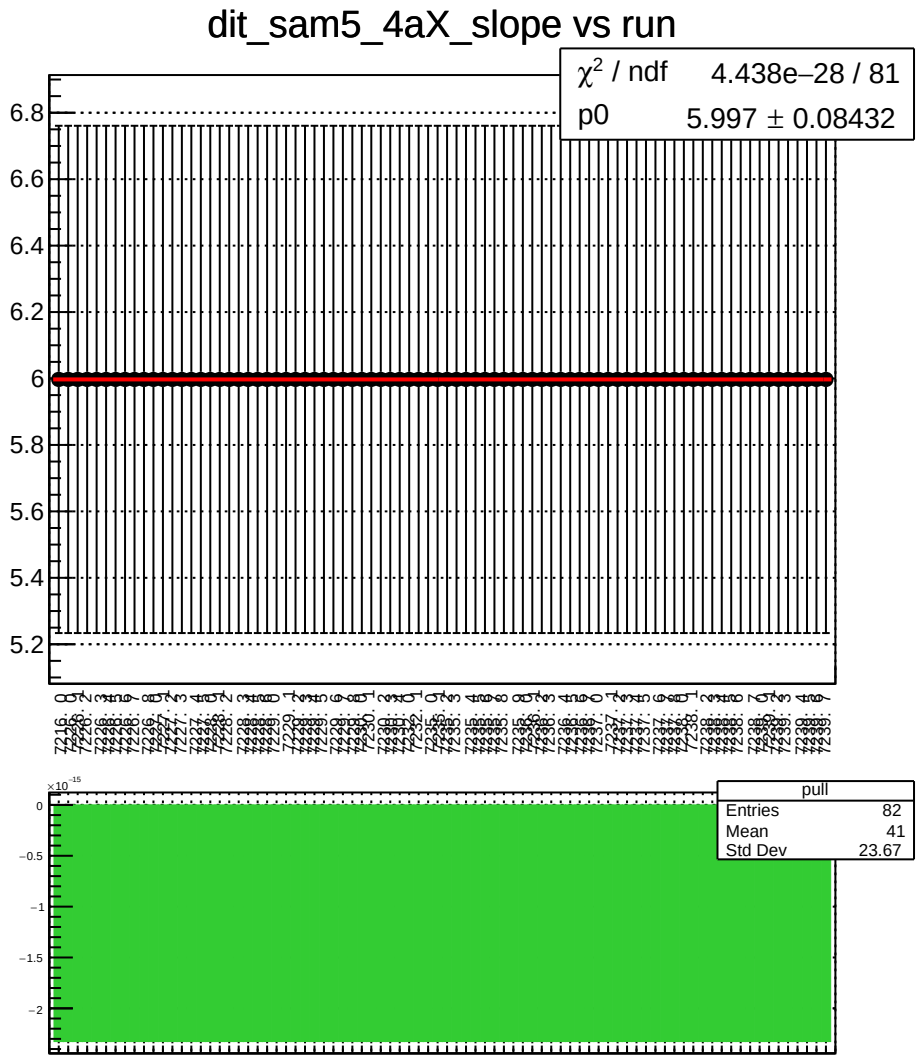

dit_sam4_11X12X_slope vs run
χ^2 / ndf 2.831e−26 / 81
p0 0.5832 ± 0.01122
0.7
0.65
0.6
0.55
0.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
18
16
14
12
10
8
6
4
2
0

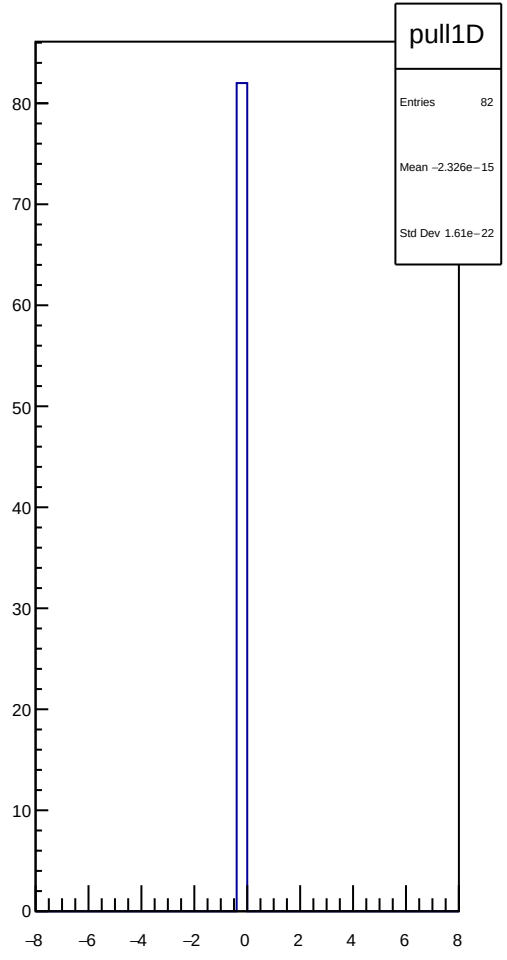

pull1D
Entries 82
Mean 1.858e−14
Std Dev5.603e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

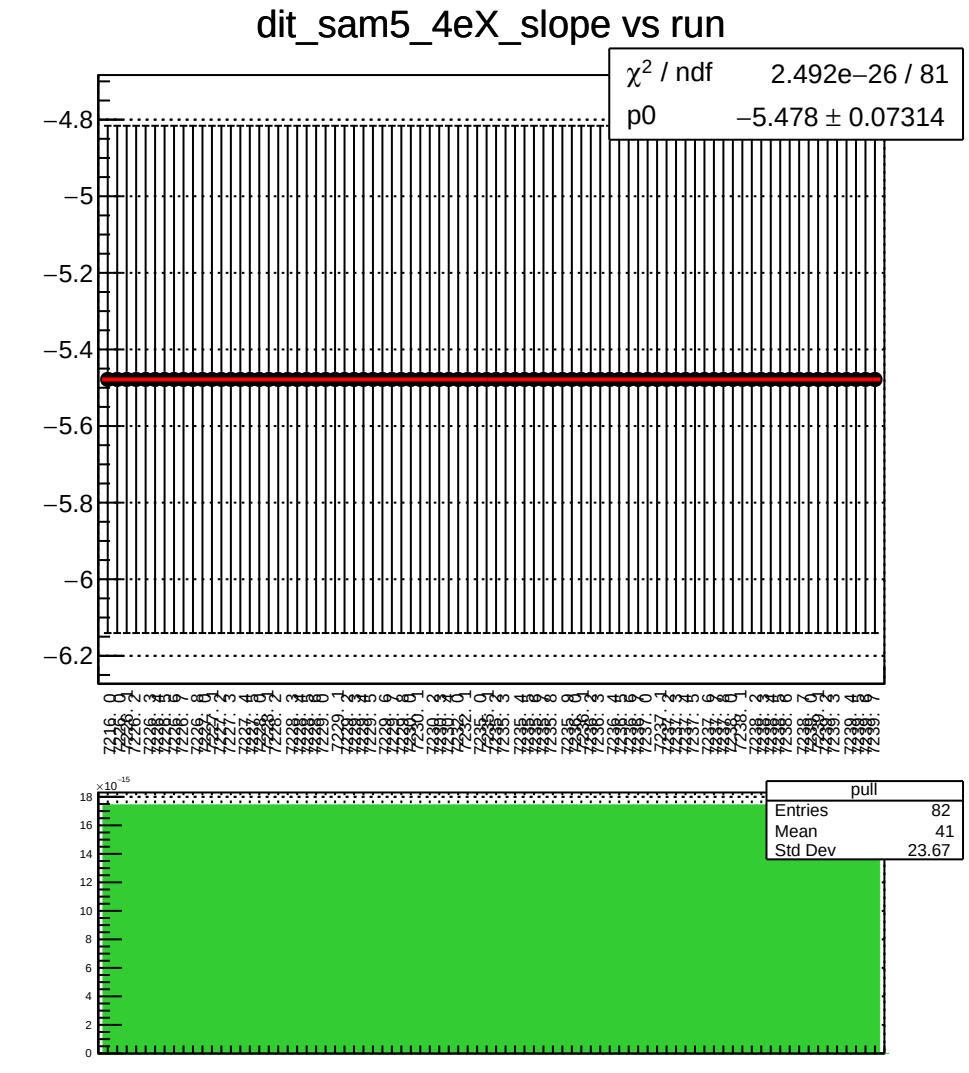

dit_sam4_4aY_slope vs run
χ² / ndf 7.016e−26 / 81
p0 −13.41 ± 0.06036
−12.8
−13
−13.2
−13.4
−13.6
−13.8
−14
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

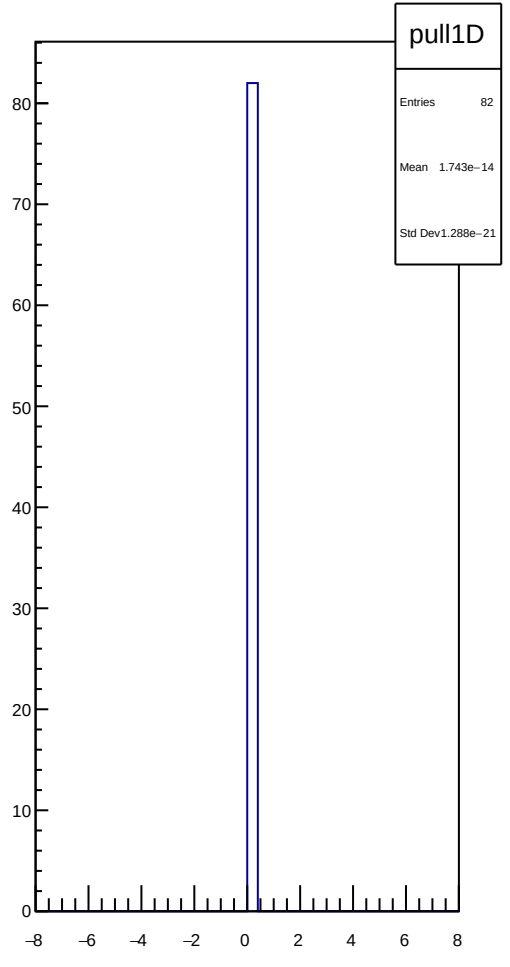

pull1D
Entries 82
Mean −2.925e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam4_4eY_slope vs run
χ² / ndf 2.44e−23 / 81
p0 222.3 ± 0.1266
223.5
223
222.5
222
221.5
221
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 82
Mean 5.455e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_4aX_slope vs run
χ² / ndf 4.438e−28 / 81
p0 5.997 ± 0.08432
6.8
6.6
6.4
6.2
6
5.8
5.6
5.4
5.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.5
−1
−1.5
−2


pull1D
Entries 82
Mean −2.326e−15
Std Dev 1.61e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_4eX_slope vs run
χ² / ndf 2.492e−26 / 81
p0 −5.478 ± 0.07314
−4.8
−5
−5.2
−5.4
−5.6
−5.8
−6
−6.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0


pull1D
Entries 82
Mean 1.743e−14
Std Dev1.288e−21
80
70
60
50
40
30
20
10
0
−8
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−4
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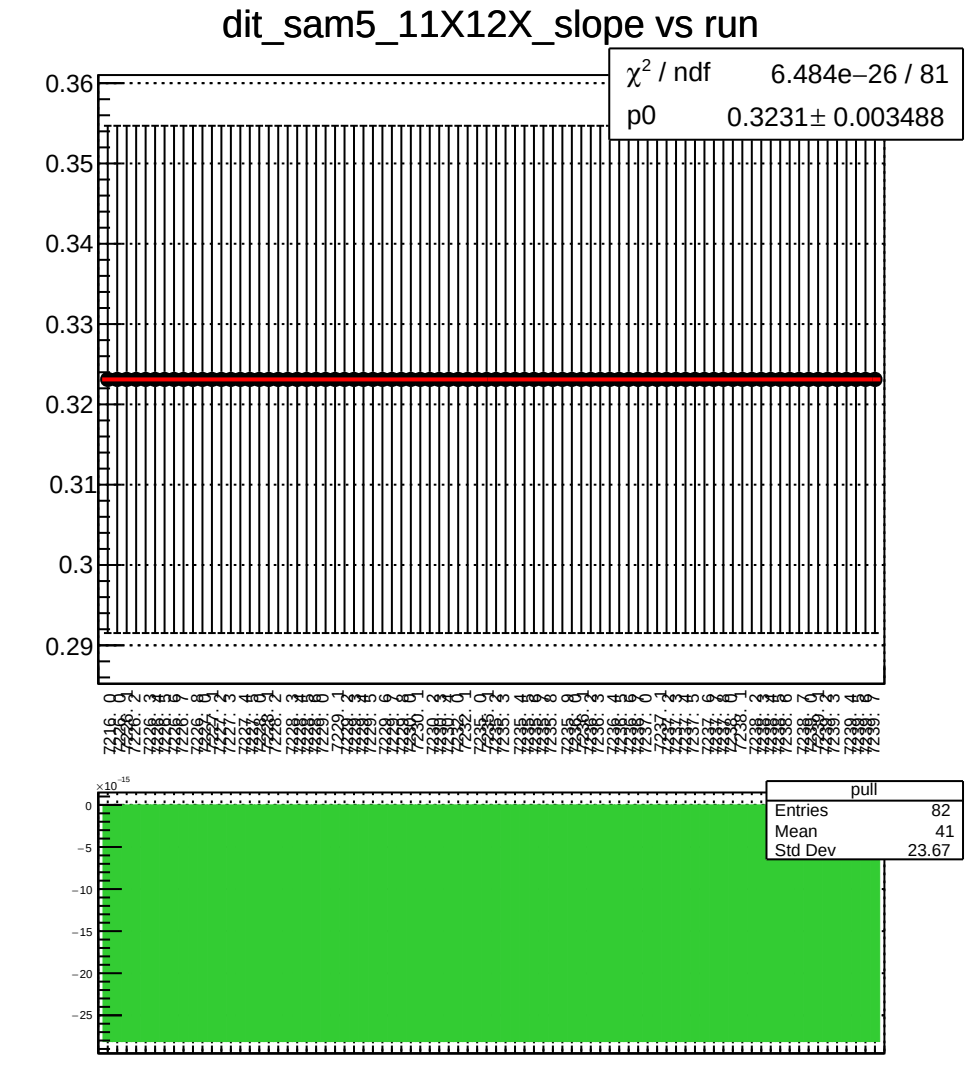
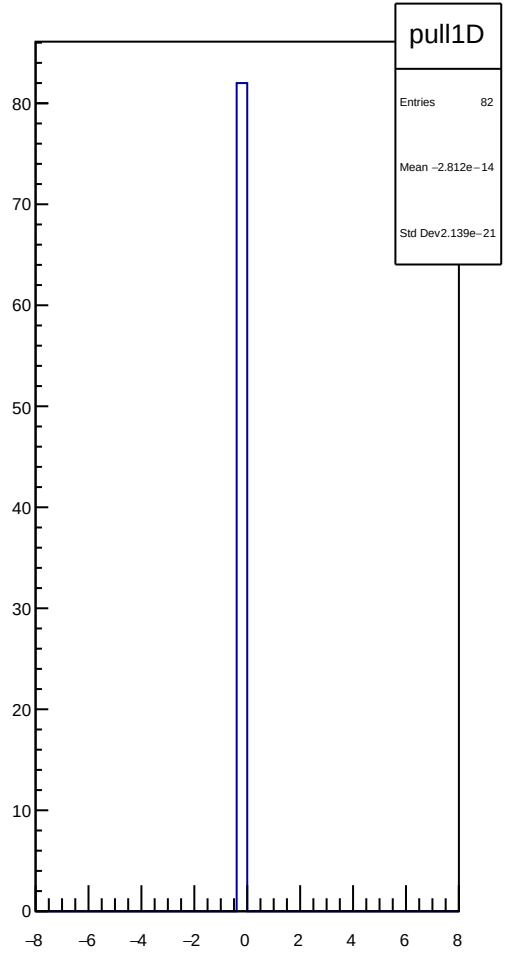
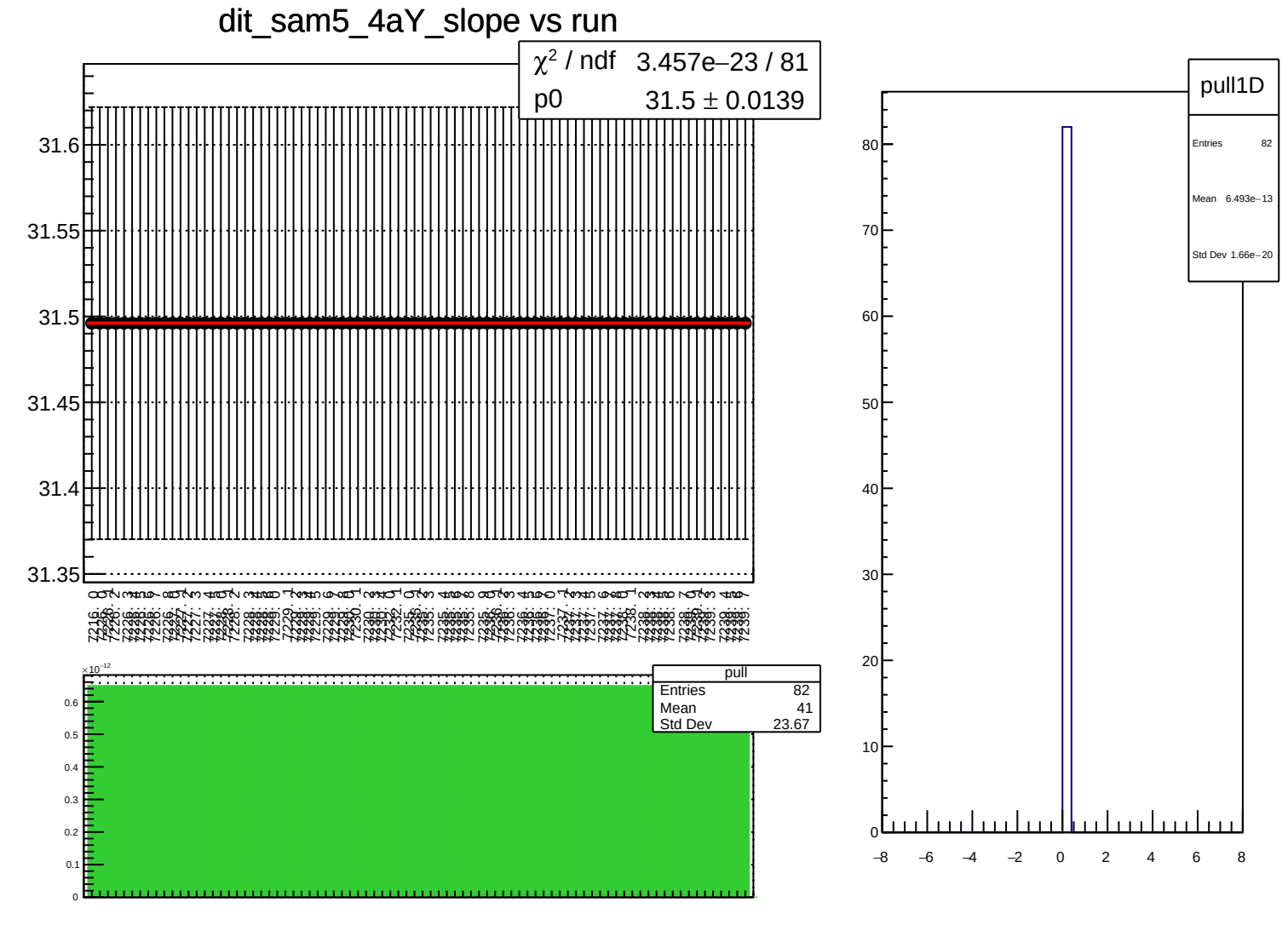
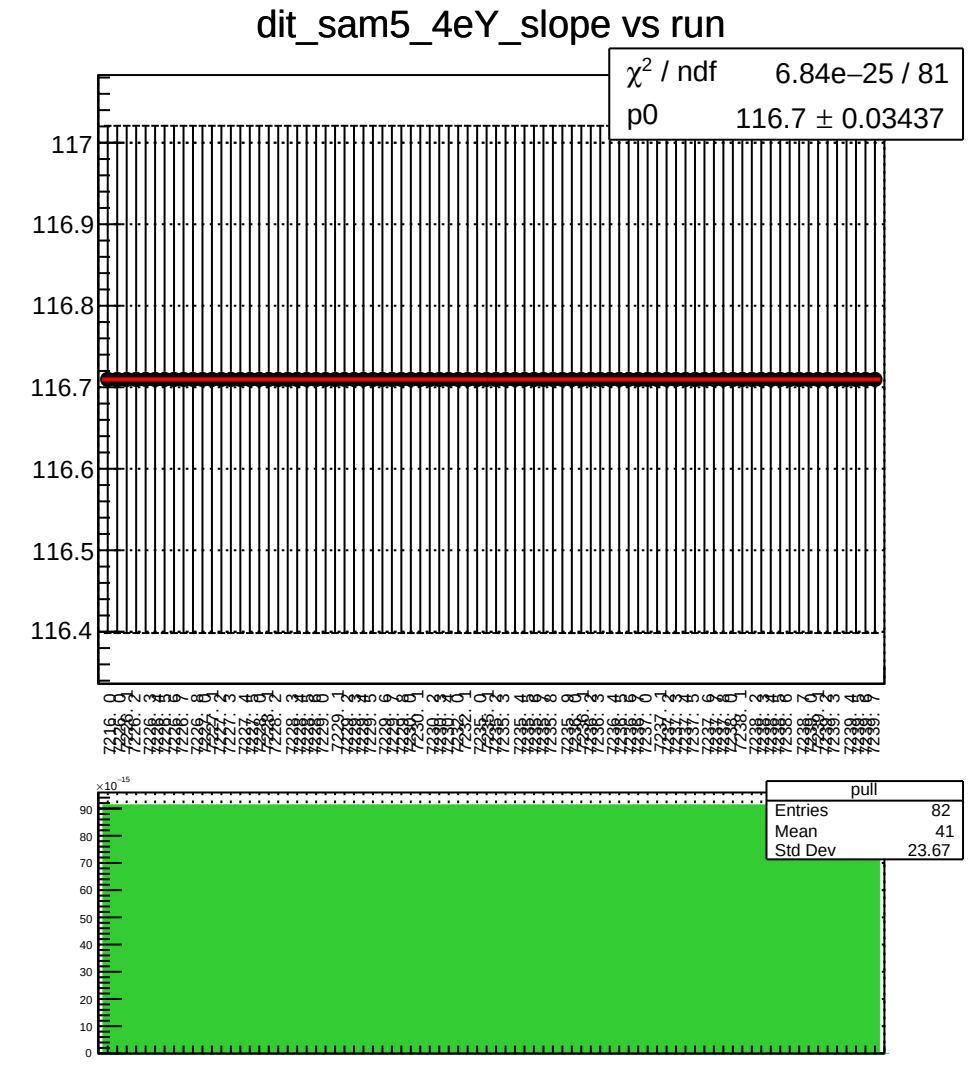
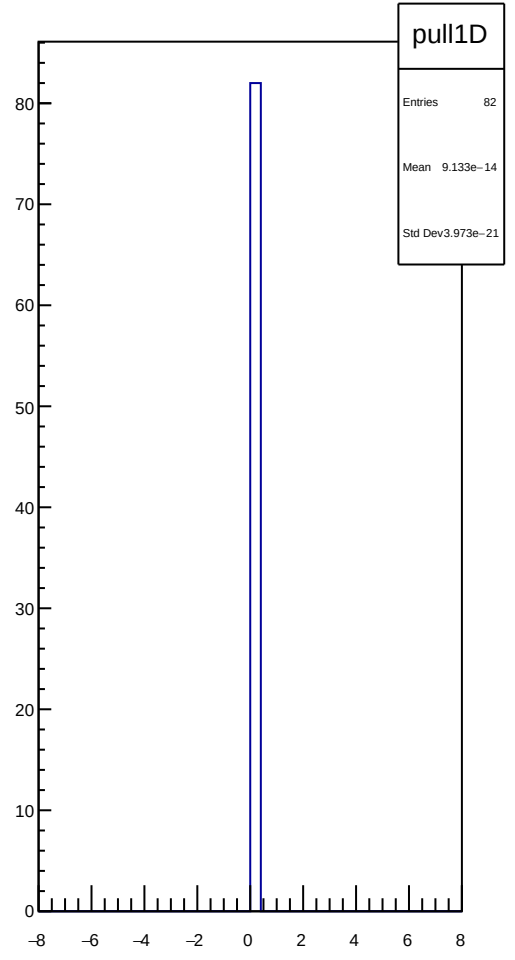
2
4
6
8

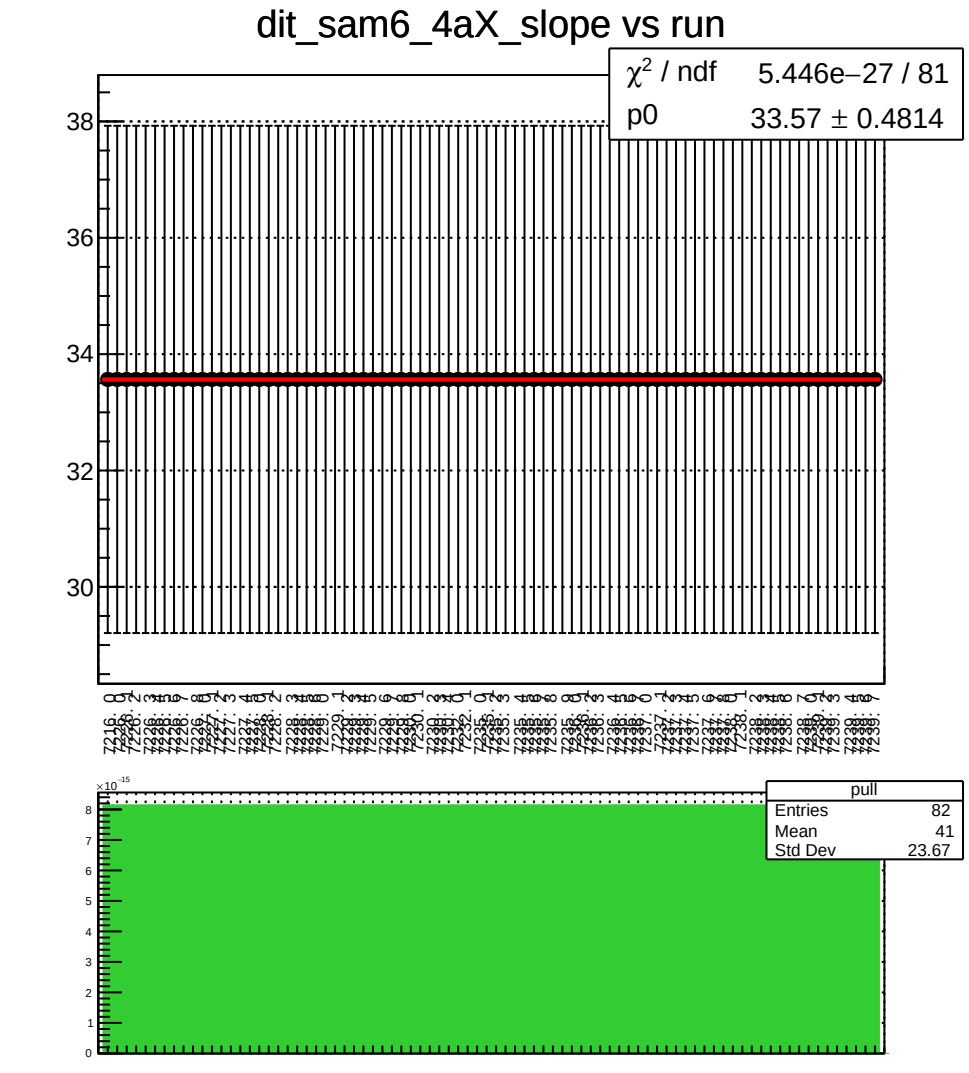

dit_sam5_11X12X_slope vs run
χ² / ndf 6.484e−26 / 81
p0 0.3231± 0.003488
0.36
0.35
0.34
0.33
0.32
0.31
0.3
0.29
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25

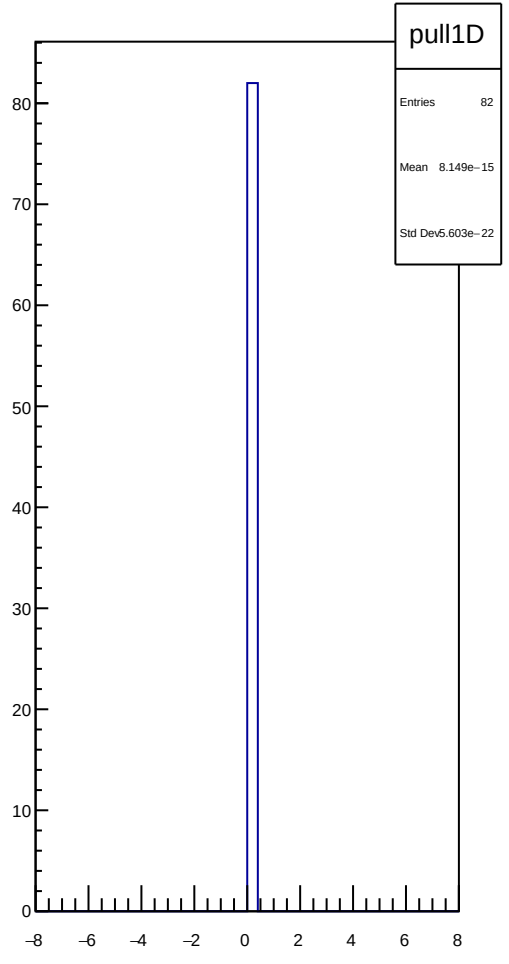

pull1D
Entries 82
Mean −2.812e−14
Std Dev2.139e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

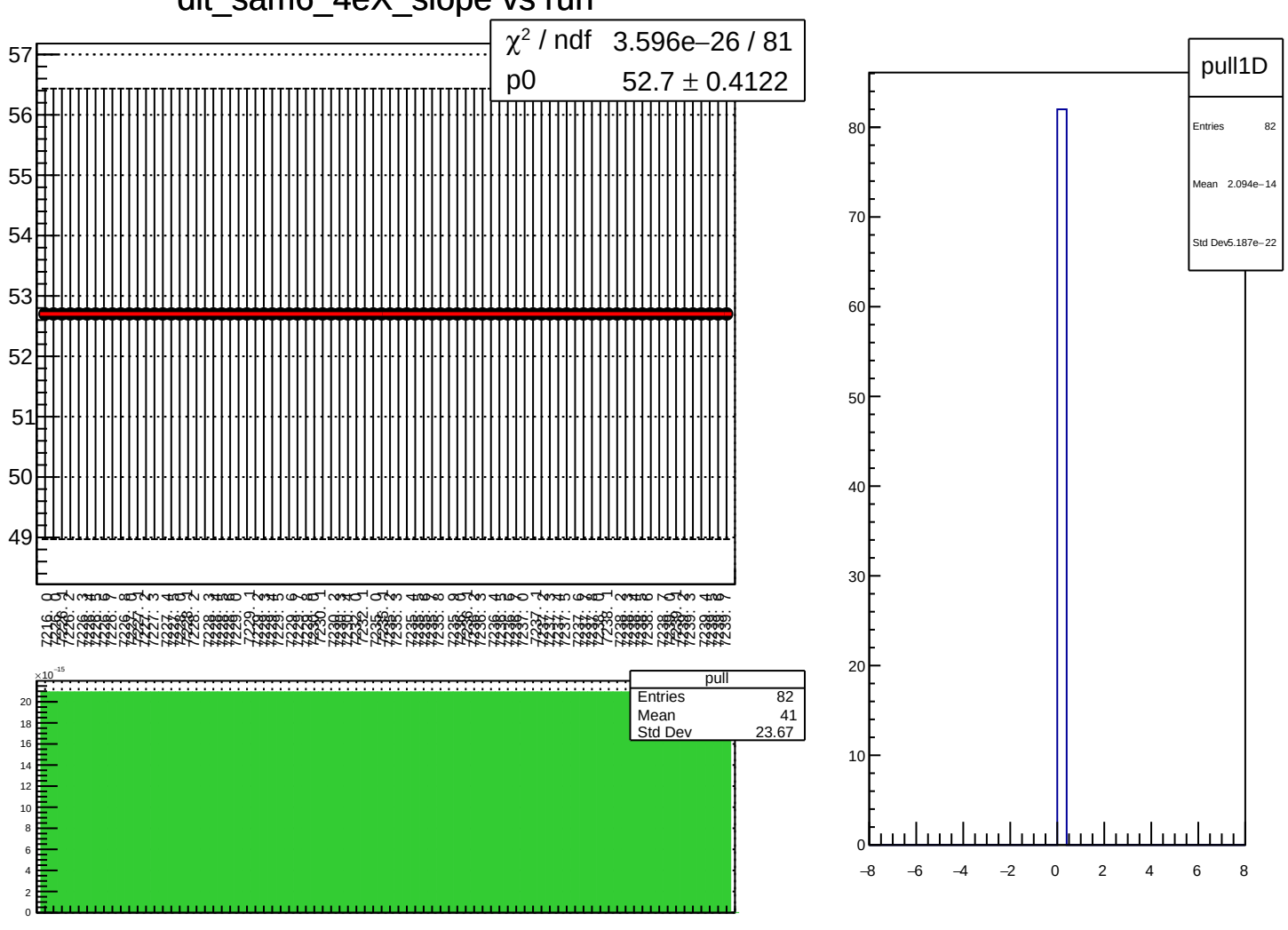

dit_sam5_4aY_slope vs run
χ² / ndf 3.457e−23 / 81
p0 31.5 ± 0.0139
31.6
31.55
31.5
31.45
31.4
31.35
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 6.493e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

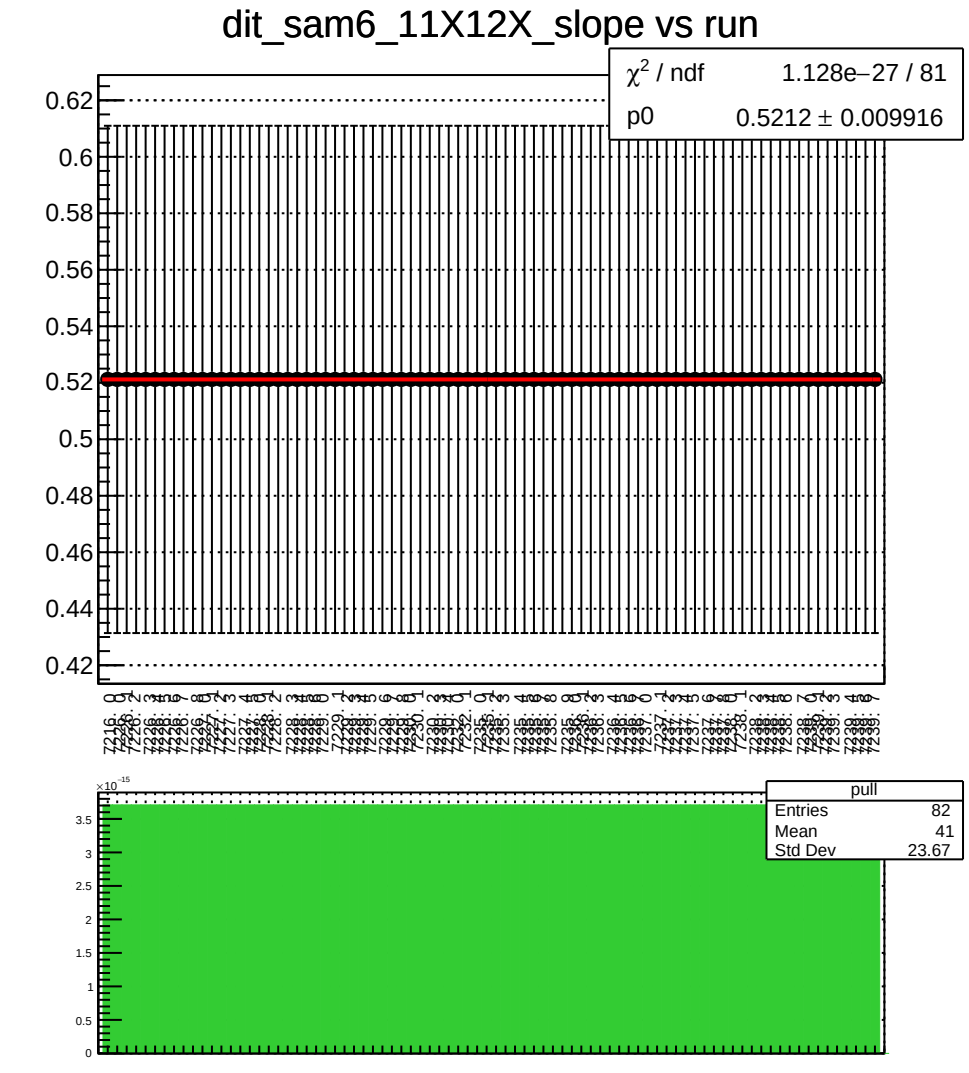

dit_sam5_4eY_slope vs run
χ² / ndf 6.84e−25 / 81
p0 116.7 ± 0.03437
117
116.9
116.8
116.7
116.6
116.5
116.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

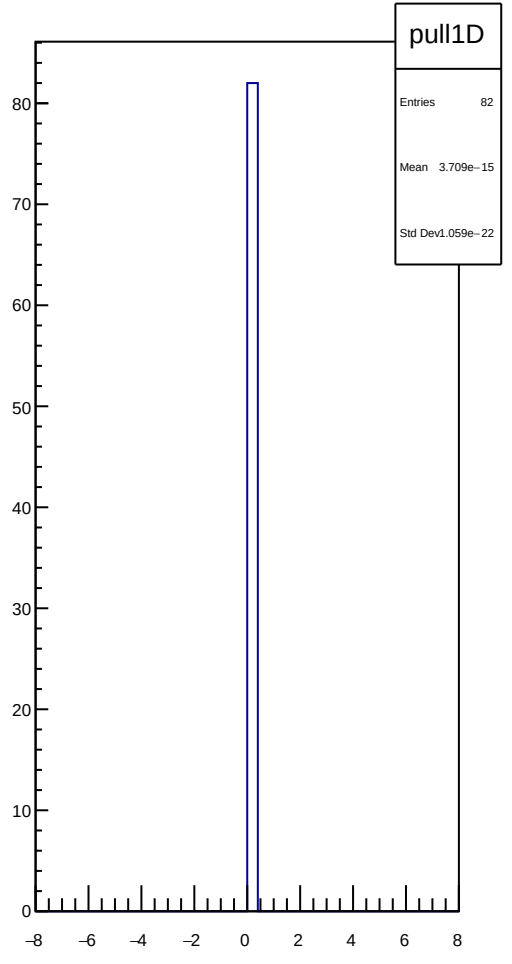

pull1D
Entries 82
Mean 9.133e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

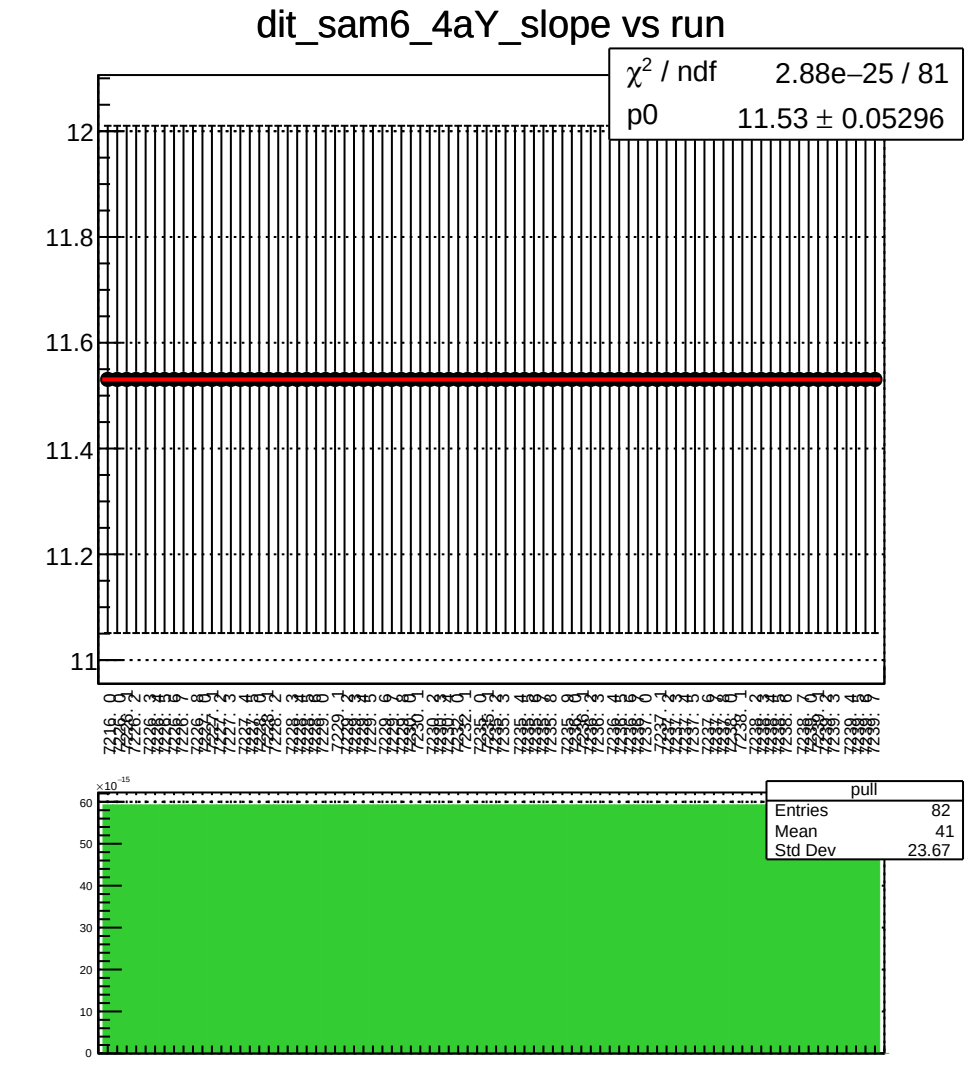

dit_sam6_4aX_slope vs run
χ² / ndf 5.446e−27 / 81
p0 33.57 ± 0.4814
38
36
34
32
30
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

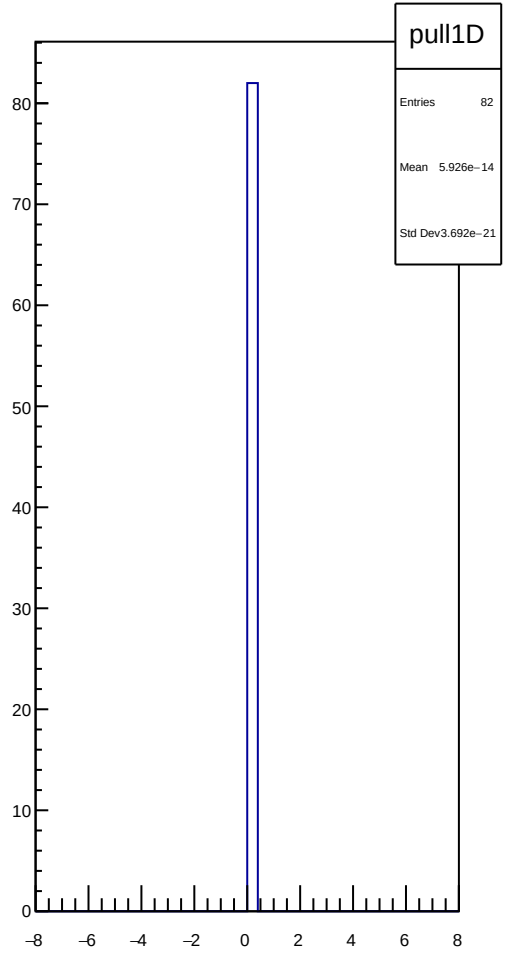

pull1D
Entries 82
Mean 8.149e−15
Std Dev5.603e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

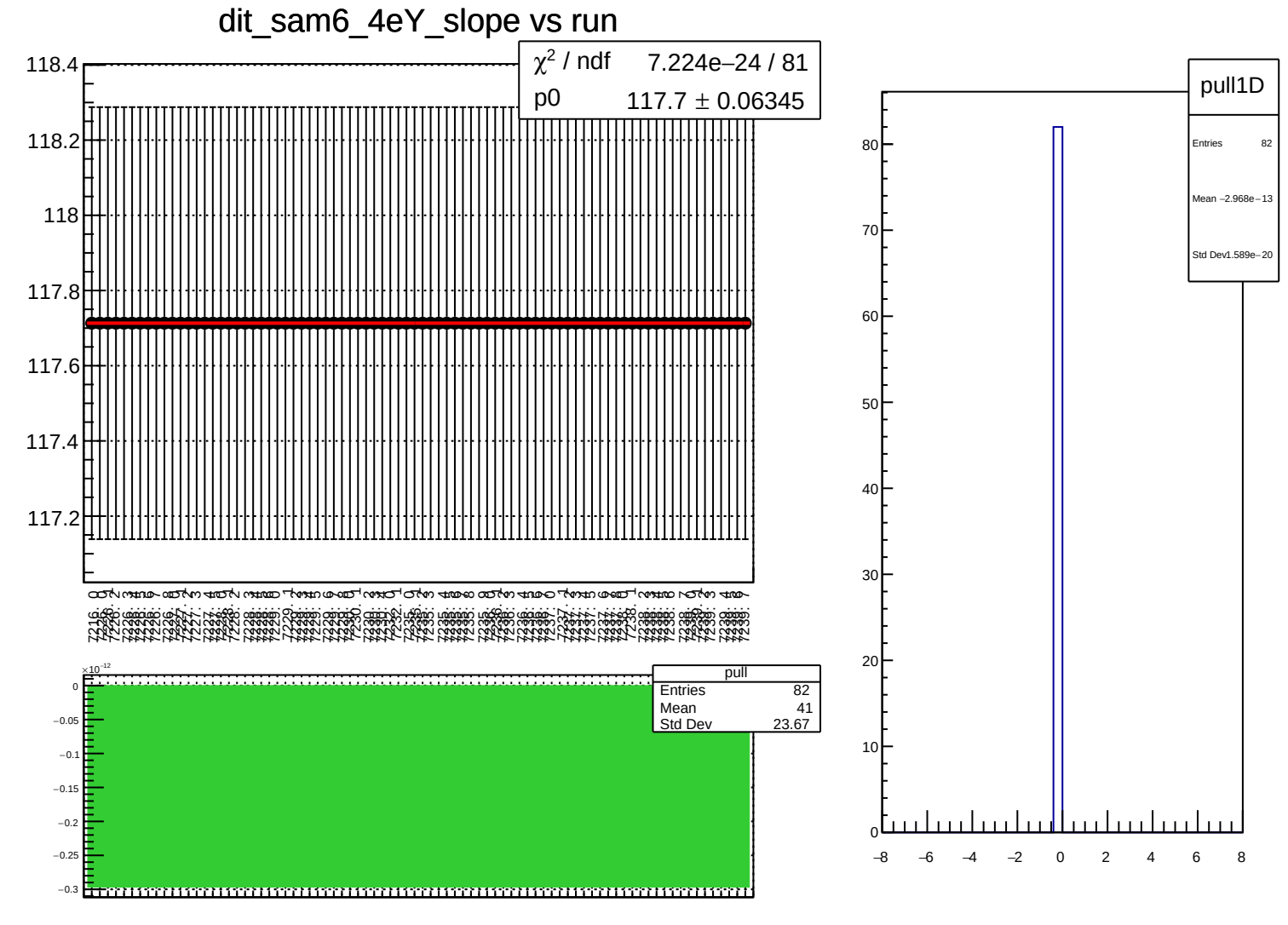

dit_sam6_4eX_slope vs run
χ² / ndf 3.596e−26 / 81
p0 52.7 ± 0.4122
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.094e−14
Std Dev5.187e−22

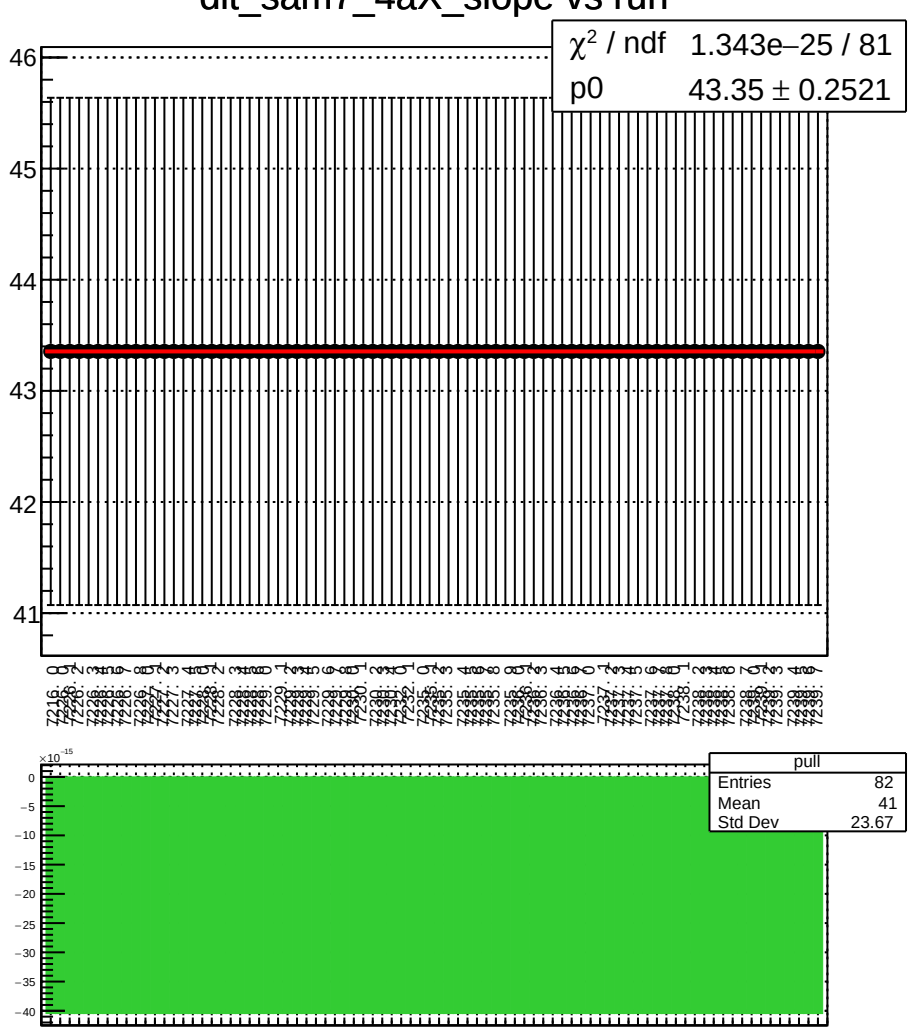

dit_sam6_11X12X_slope vs run
χ² / ndf 1.128e−27 / 81
p0 0.5212 ± 0.009916
0.62
0.6
0.58
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0

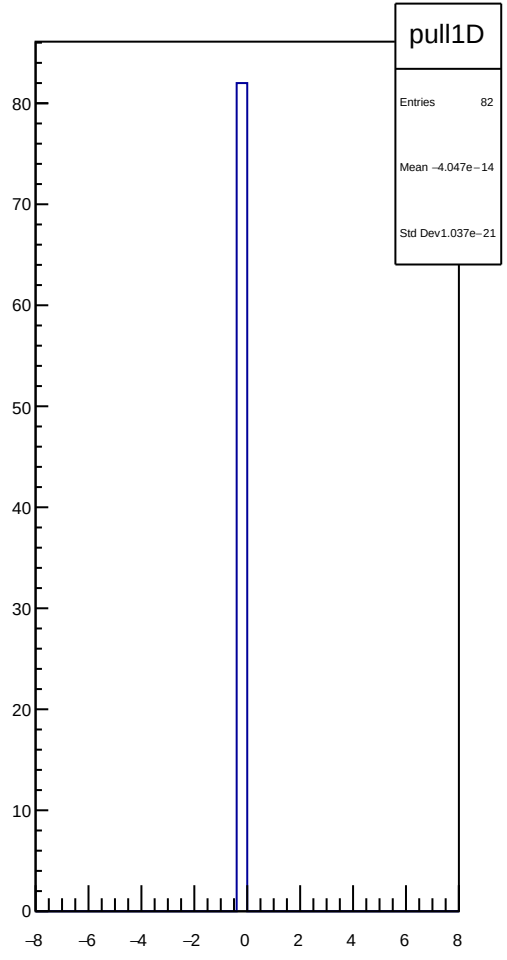

pull1D
Entries 82
Mean 3.709e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

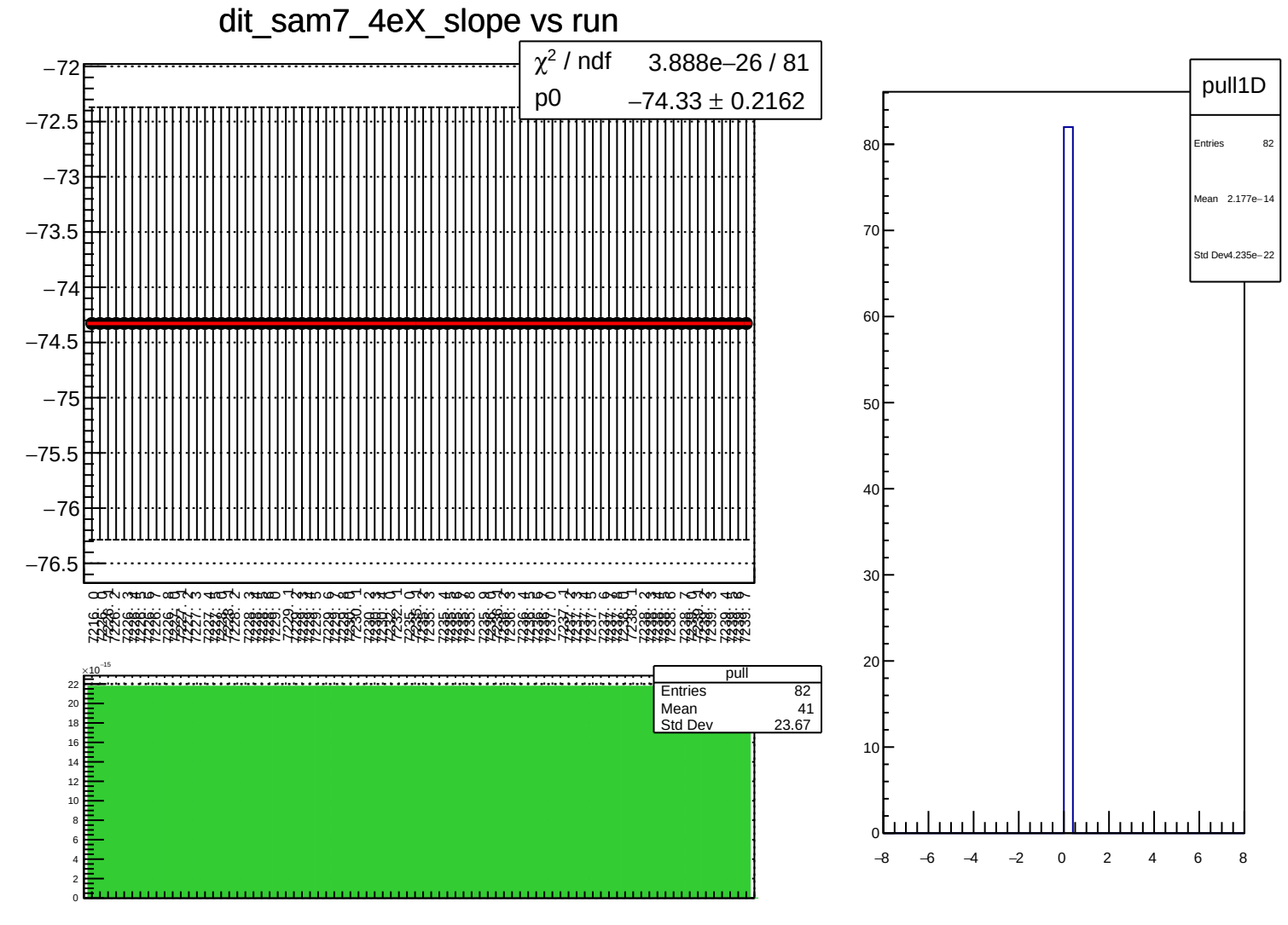

dit_sam6_4aY_slope vs run
χ² / ndf 2.88e−25 / 81
p0 11.53 ± 0.05296
12
11.8
11.6
11.4
11.2
11
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
60
50
40
30
20
10
0

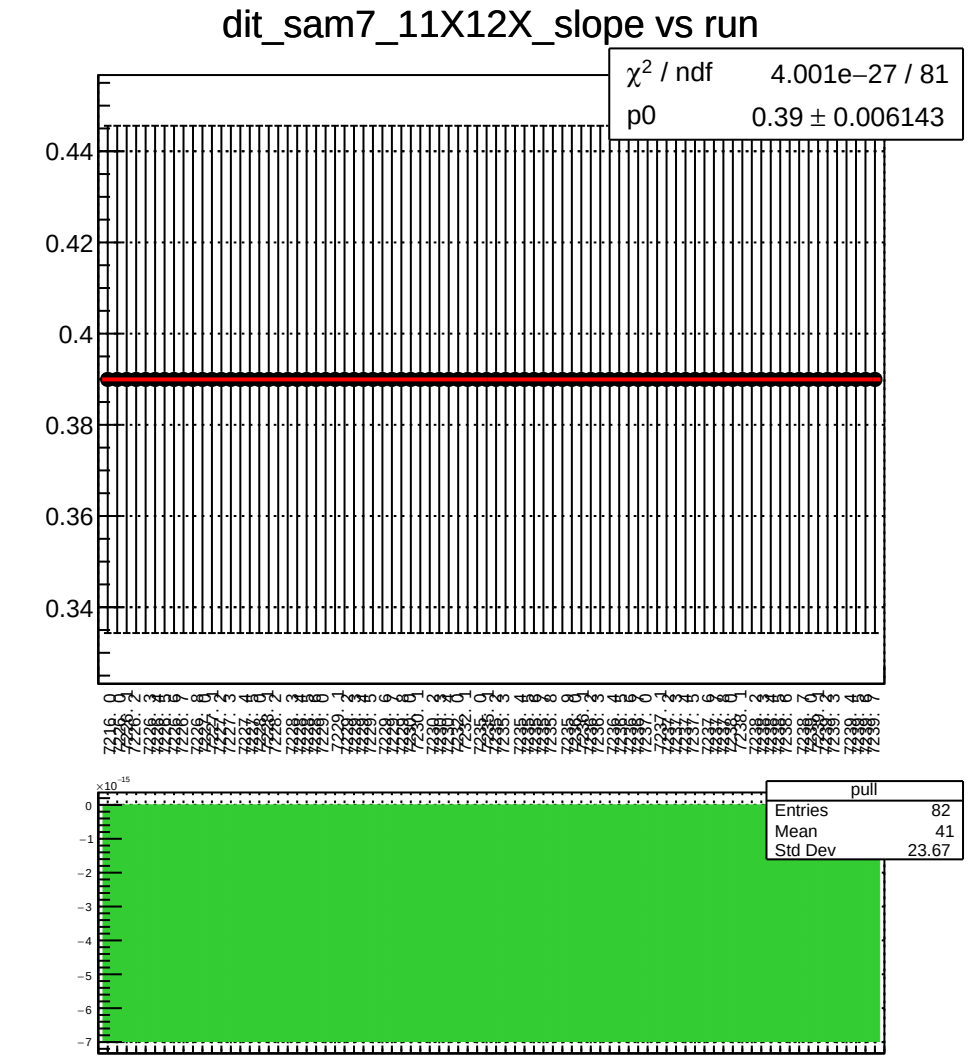

pull1D
Entries 82
Mean 5.926e−14
Std Dev3.692e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

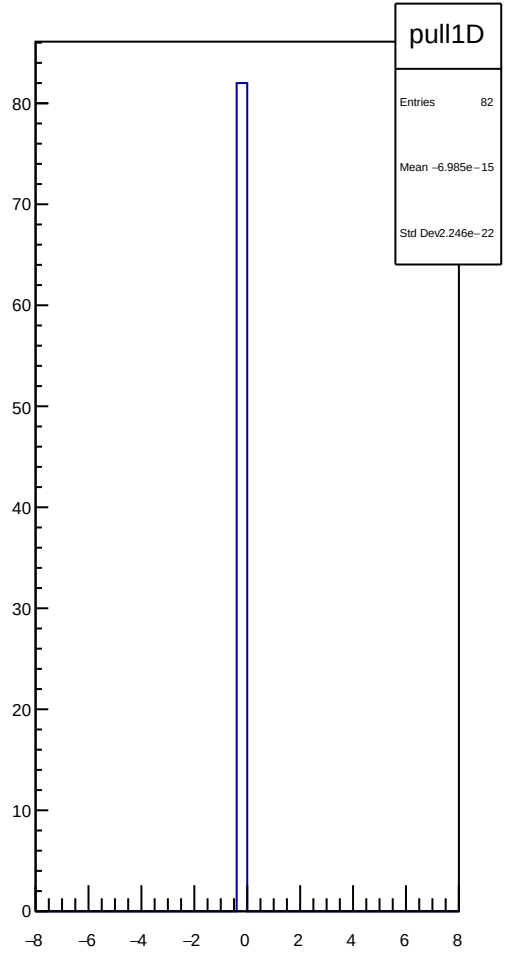

dit_sam6_4eY_slope vs run
χ^2 / ndf 7.224e−24 / 81
p0 117.7 ± 0.06345
118.4
118.2
118
117.8
117.6
117.4
117.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 82
Mean −2.968e−13
Std Dev1.589e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

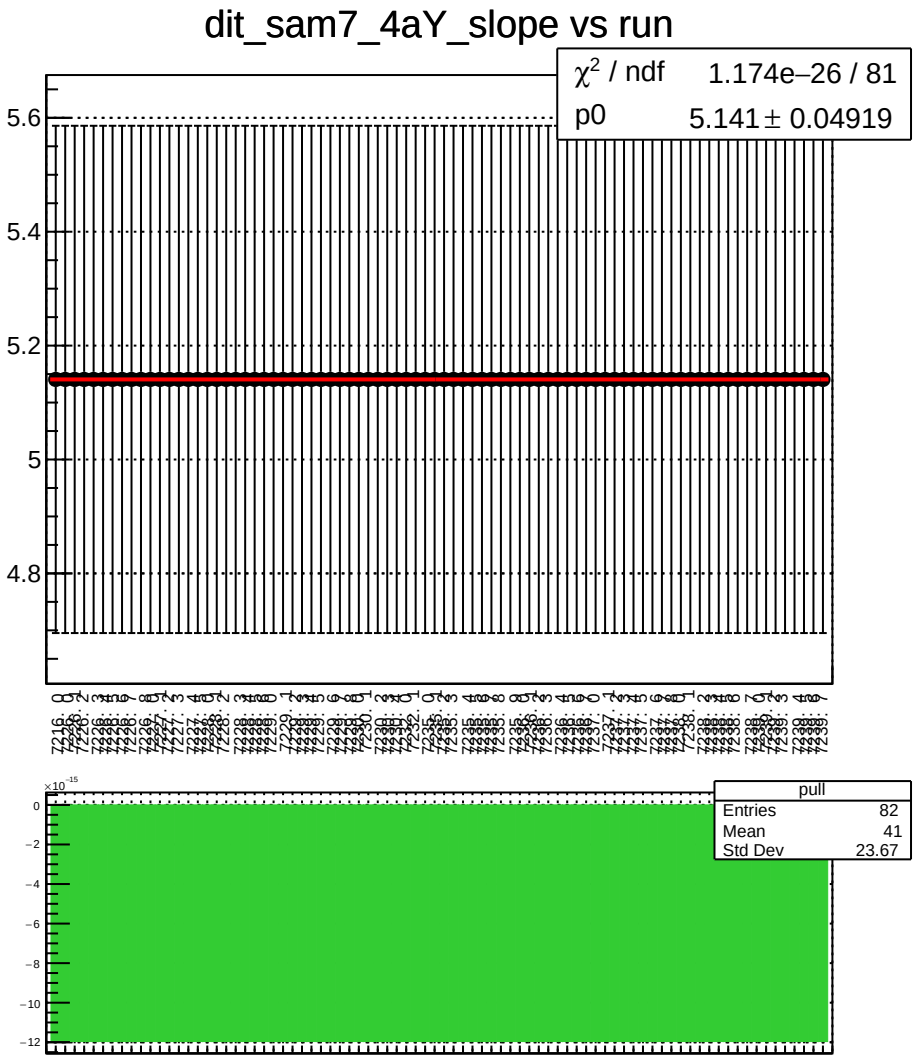

dit_sam7_4aX_slope vs run
χ² / ndf 1.343e−25 / 81
p0 43.35 ± 0.2521
pull
Entries 82
Mean 41
Std Dev 23.67

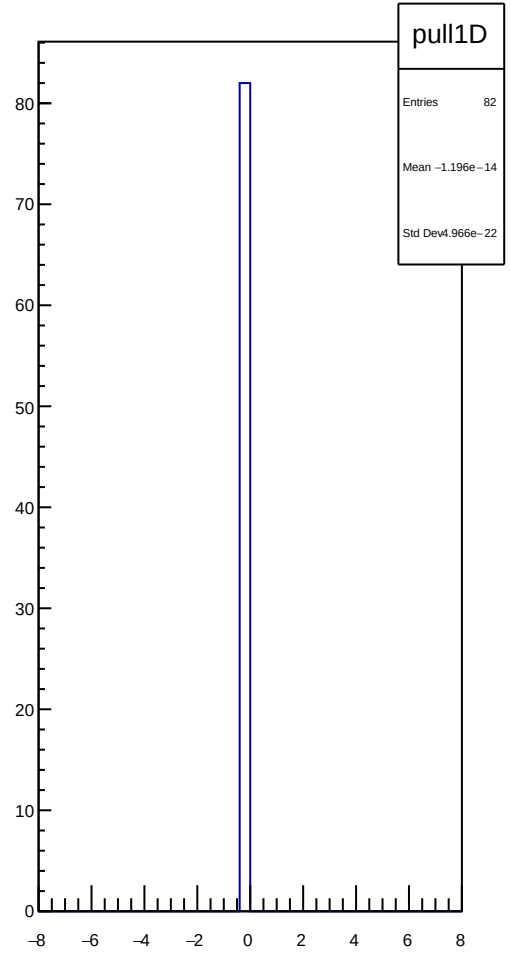

pull1D
Entries 82
Mean −4.047e−14
Std Dev1.037e−21

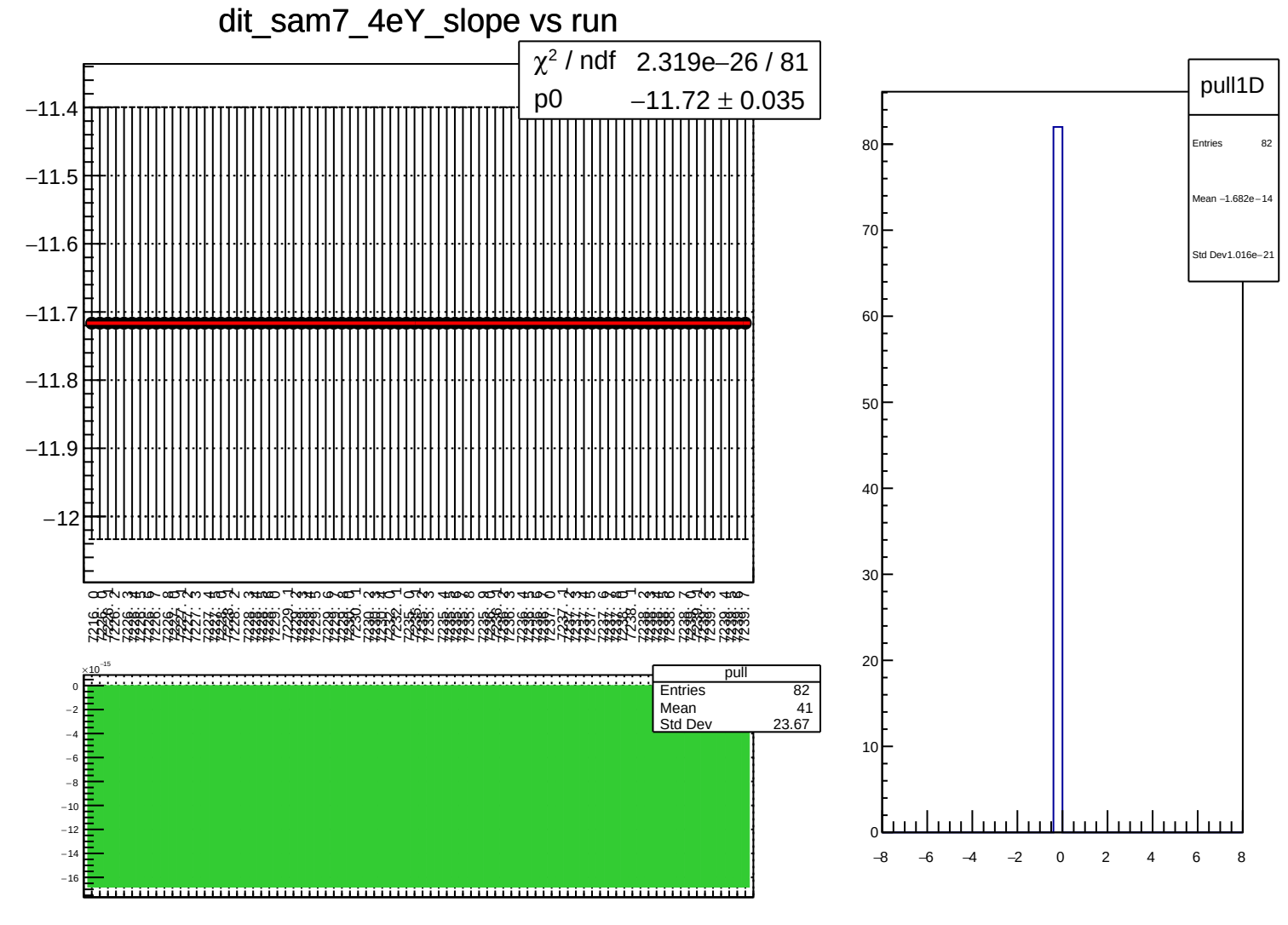

dit_sam7_4eX_slope vs run
χ² / ndf 3.888e−26 / 81
p0 −74.33 ± 0.2162
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 2.177e−14
Std Dev4.235e−22

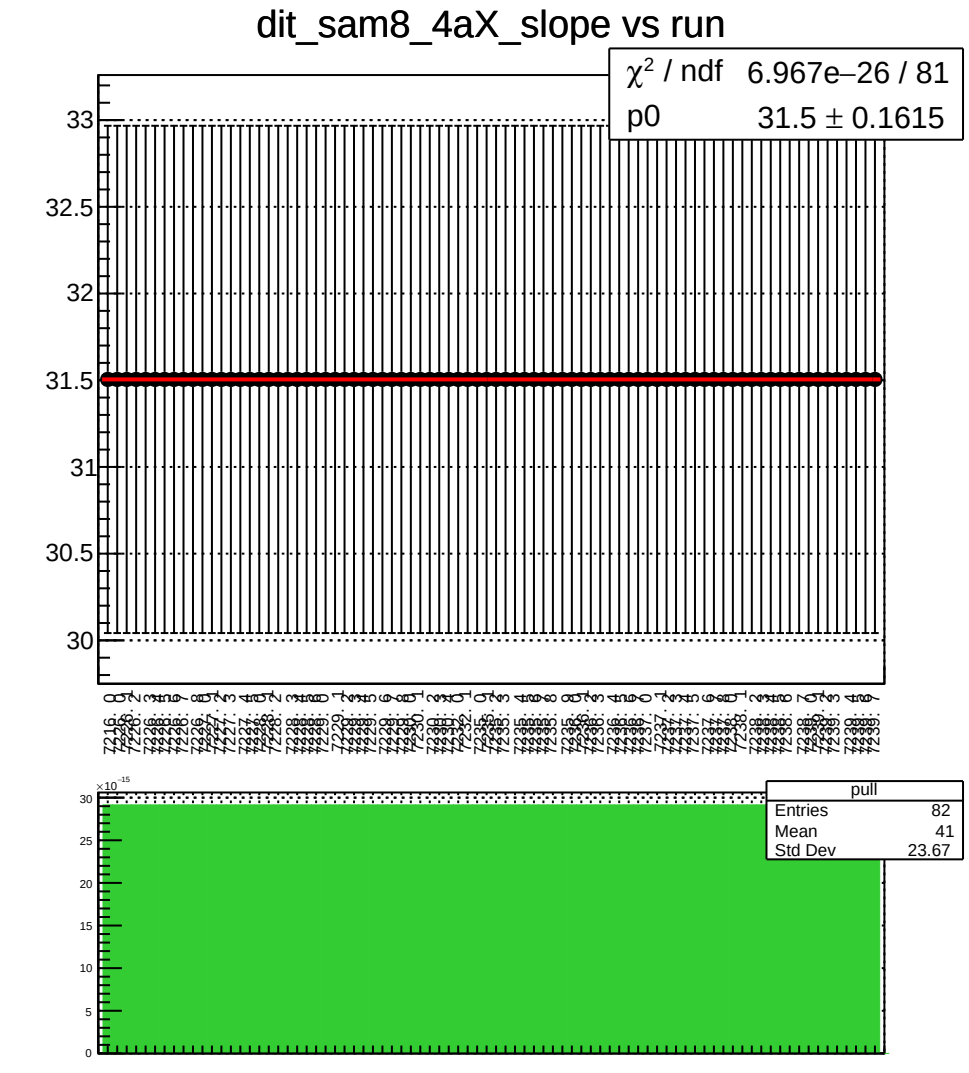

dit_sam7_11X12X_slope vs run
χ² / ndf 4.001e−27 / 81
p0 0.39 ± 0.006143
0.44
0.42
0.4
0.38
0.36
0.34
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

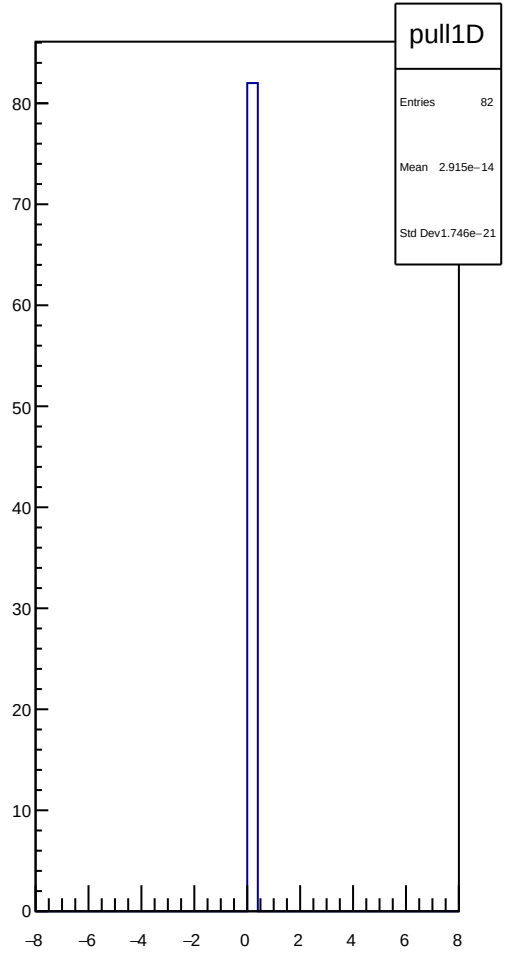

pull1D
Entries 82
Mean −6.985e−15
Std Dev 2.246e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

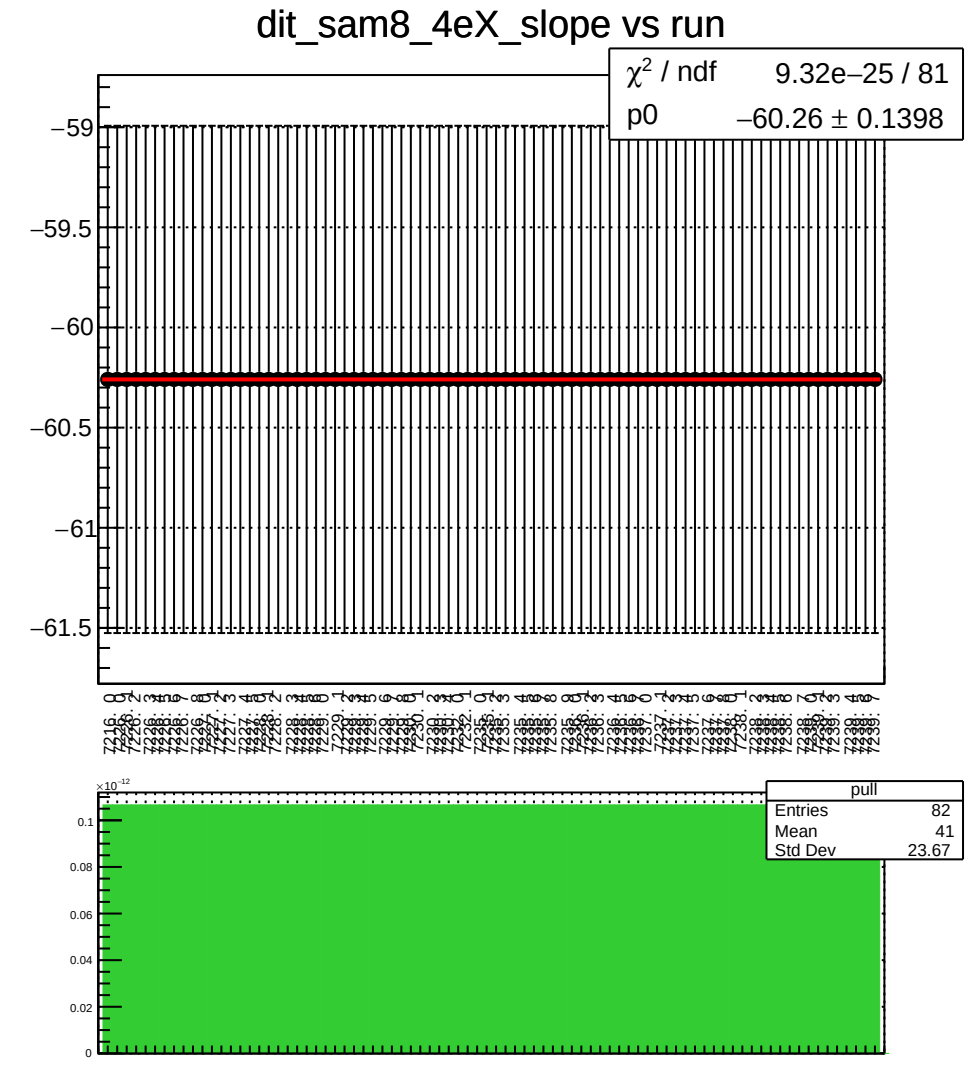

dit_sam7_4aY_slope vs run
χ^2 / ndf 1.174e−26 / 81
p0 5.141 ± 0.04919
5.6
5.4
5.2
5
4.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
0
−2
−4
−6
−8
−10
−12

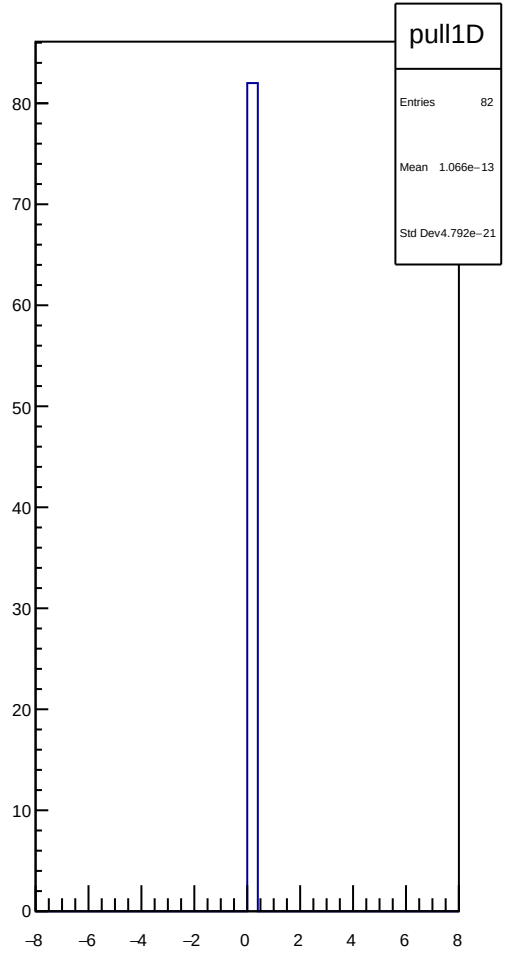

pull1D
Entries 82
Mean −1.196e−14
Std Dev 4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

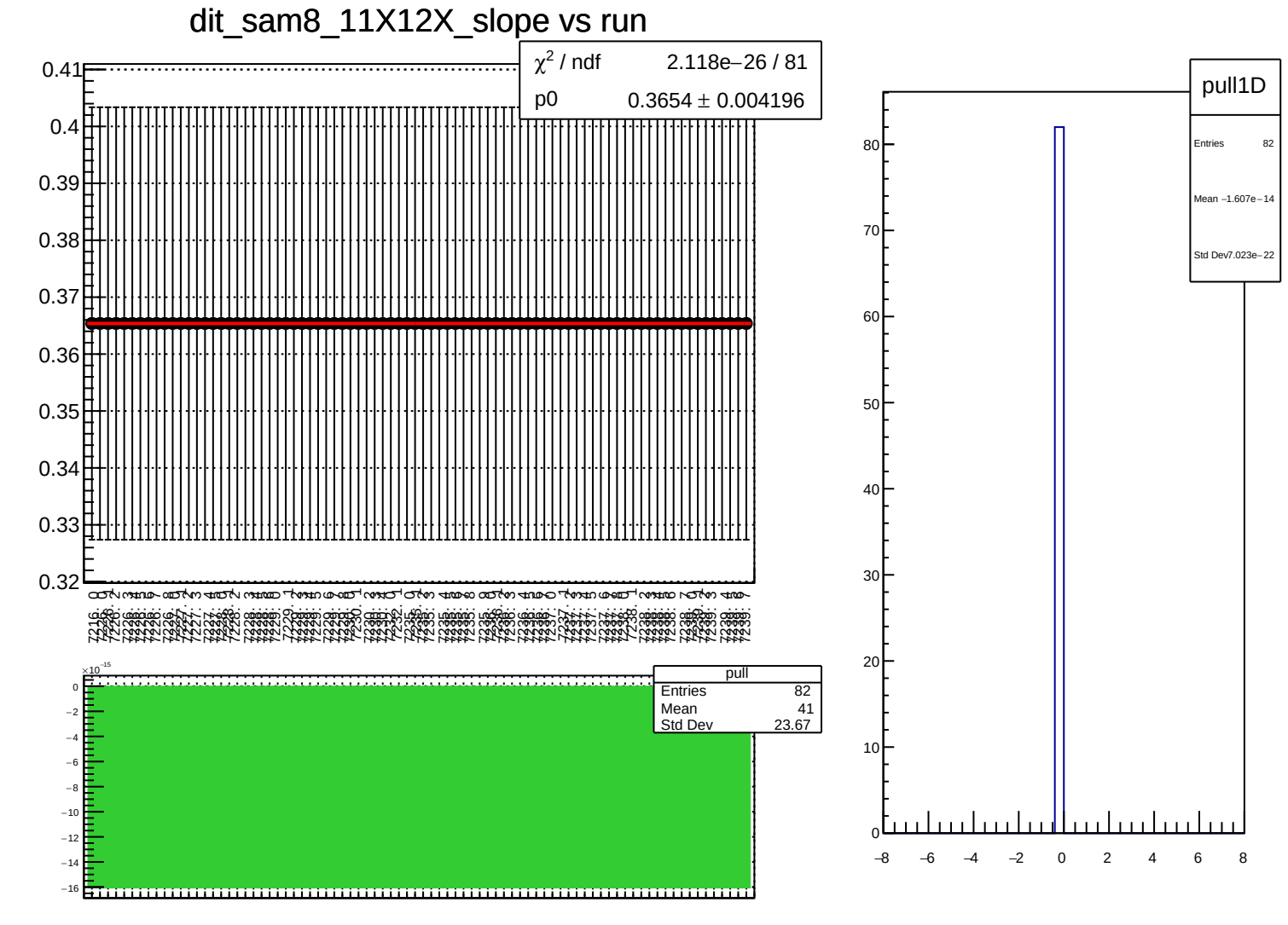

dit_sam7_4eY_slope vs run
χ² / ndf 2.319e−26 / 81
p0 −11.72 ± 0.035
−11.4
−11.5
−11.6
−11.7
−11.8
−11.9
−12
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.682e−14
Std Dev1.016e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

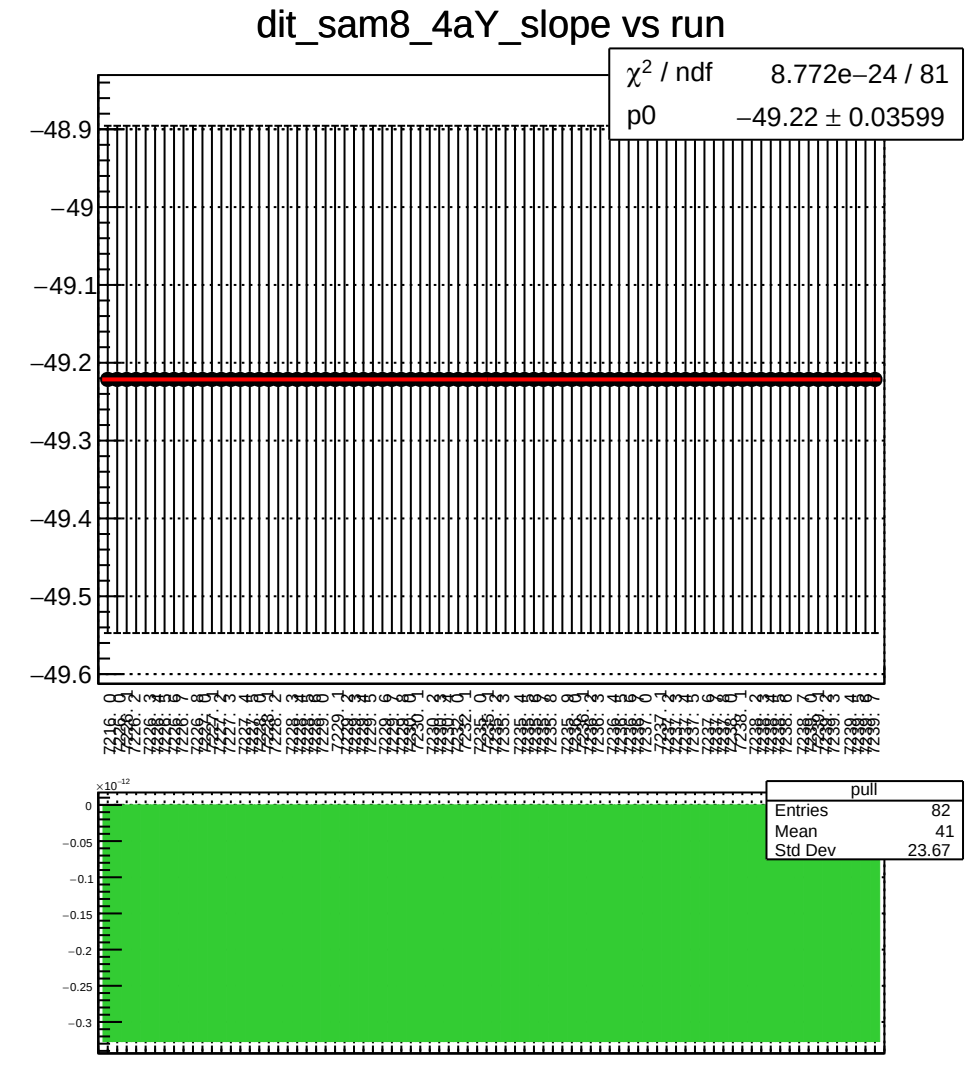

dit_sam8_4aX_slope vs run
χ² / ndf 6.967e−26 / 81
p0 31.5 ± 0.1615
33
32.5
32
31.5
31
30.5
30
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
30
25
20
15
10
5
0

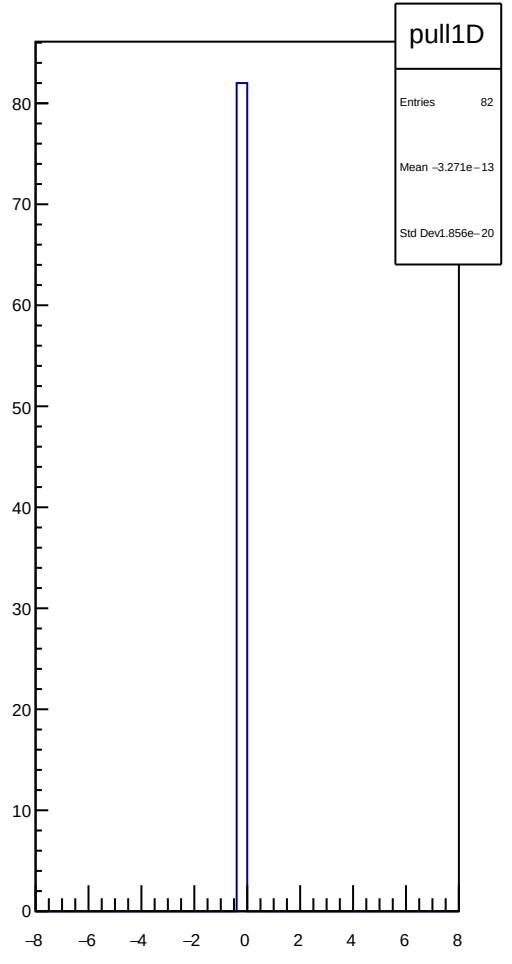

pull1D
Entries 82
Mean 2.915e−14
Std Dev1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

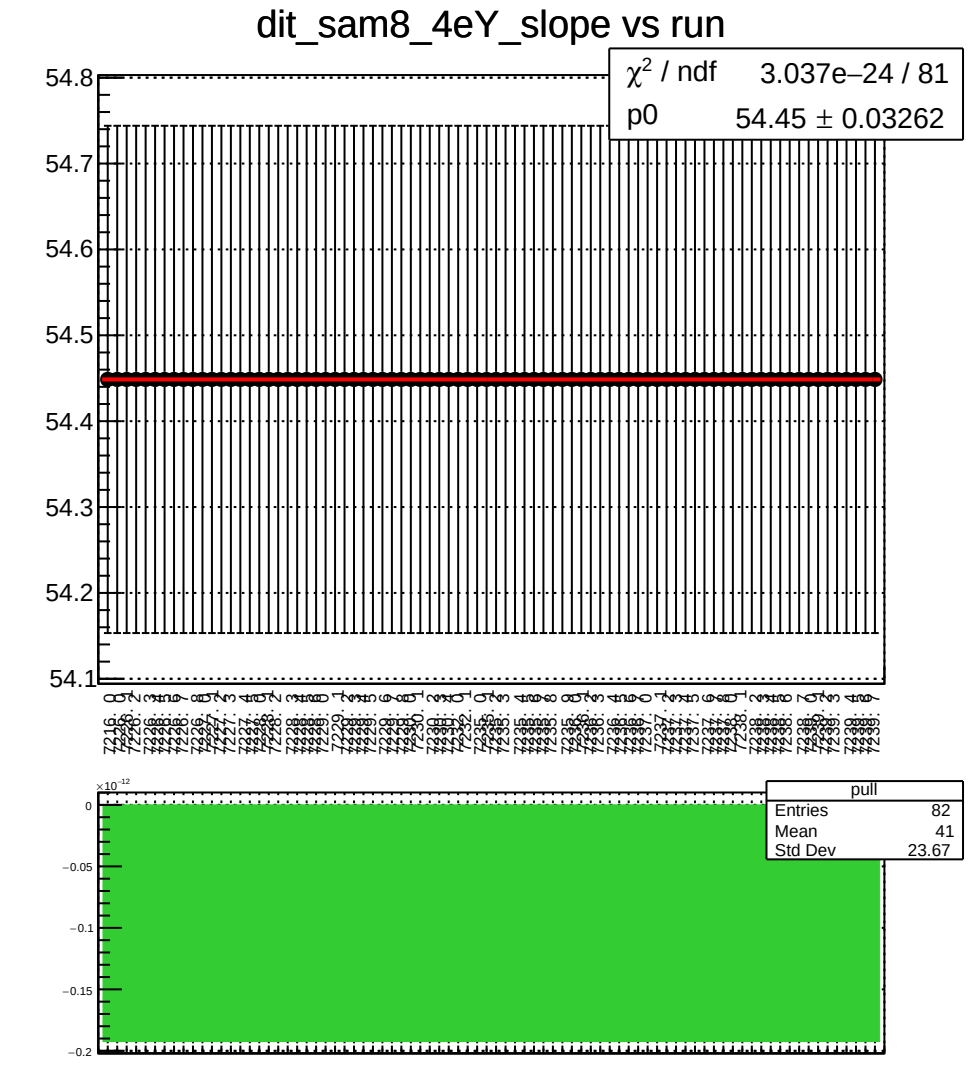

dit_sam8_4eX_slope vs run
χ² / ndf 9.32e−25 / 81
p0 −60.26 ± 0.1398
−59
−59.5
−60
−60.5
−61
−61.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

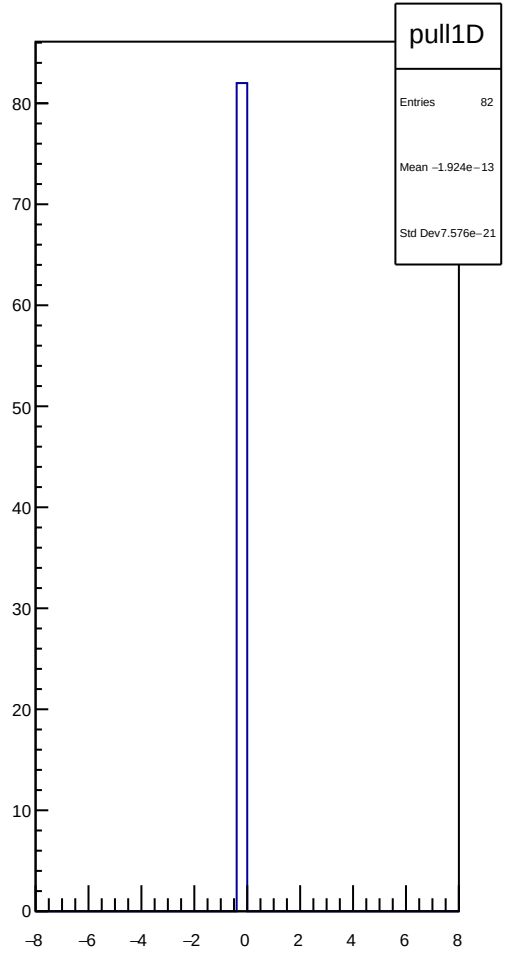

pull1D
Entries 82
Mean 1.066e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

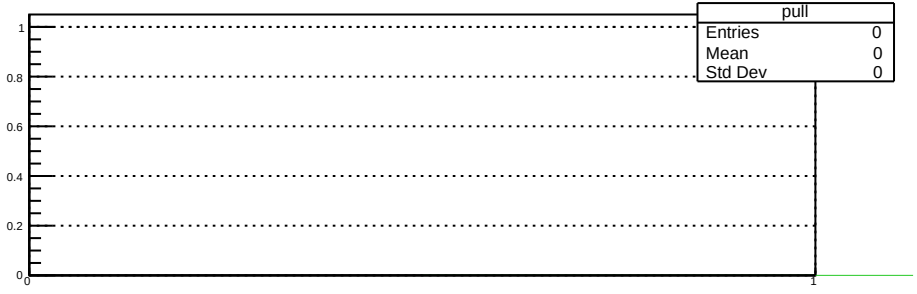

dit_sam8_11X12X_slope vs run
χ² / ndf 2.118e−26 / 81
p0 0.3654 ± 0.004196
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −1.607e−14
Std Dev7.023e−22

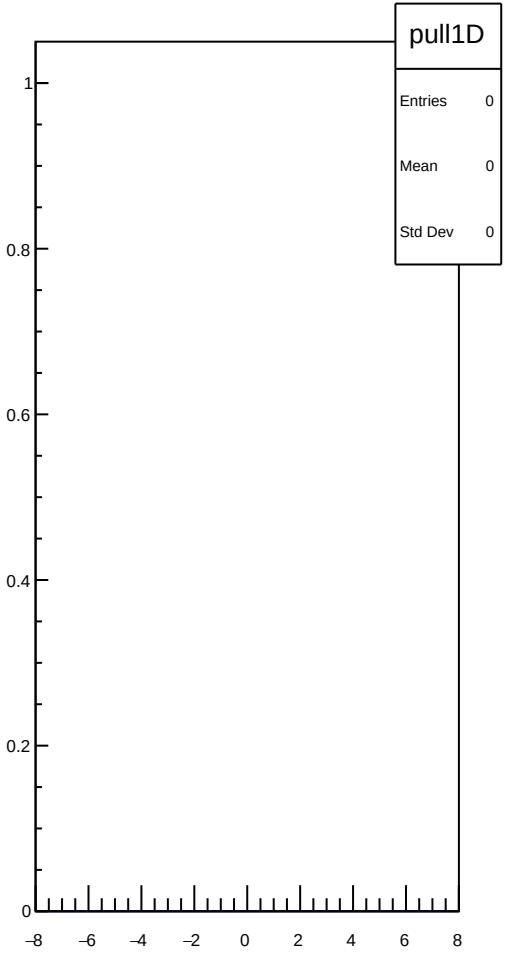

dit_sam8_4aY_slope vs run
χ² / ndf 8.772e−24 / 81
p0 −49.22 ± 0.03599
−48.9
−49
−49.1
−49.2
−49.3
−49.4
−49.5
−49.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

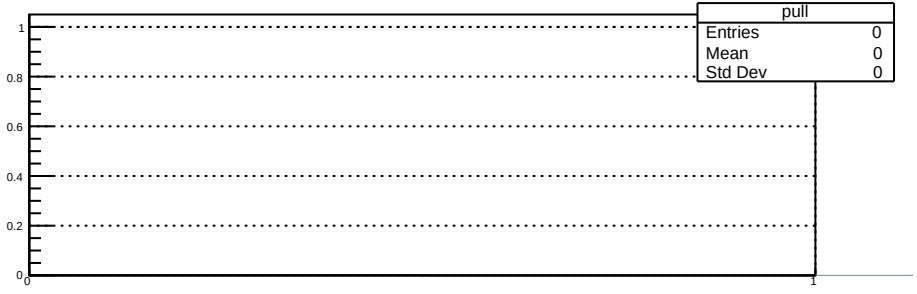

pull1D
Entries 82
Mean −3.271e−13
Std Dev1.856e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

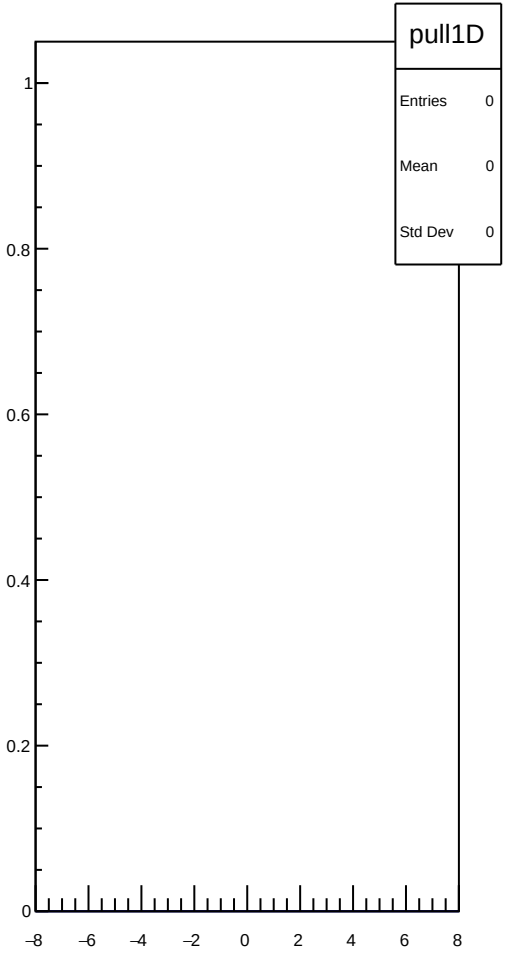

dit_sam8_4eY_slope vs run
χ² / ndf 3.037e−24 / 81
p0 54.45 ± 0.03262
54.8
54.7
54.6
54.5
54.4
54.3
54.2
54.1
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2


pull1D
Entries 82
Mean −1.924e−13
Std Dev7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


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


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


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


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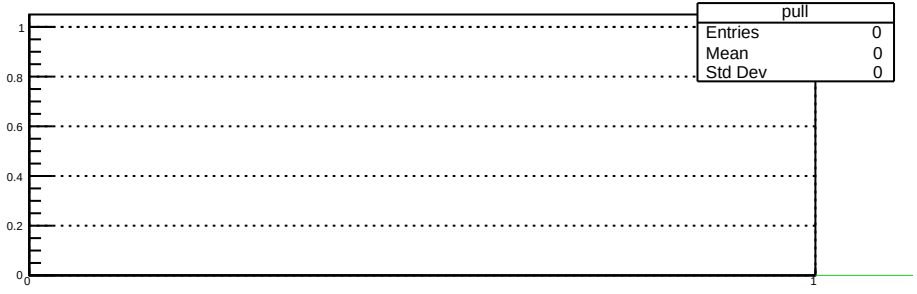
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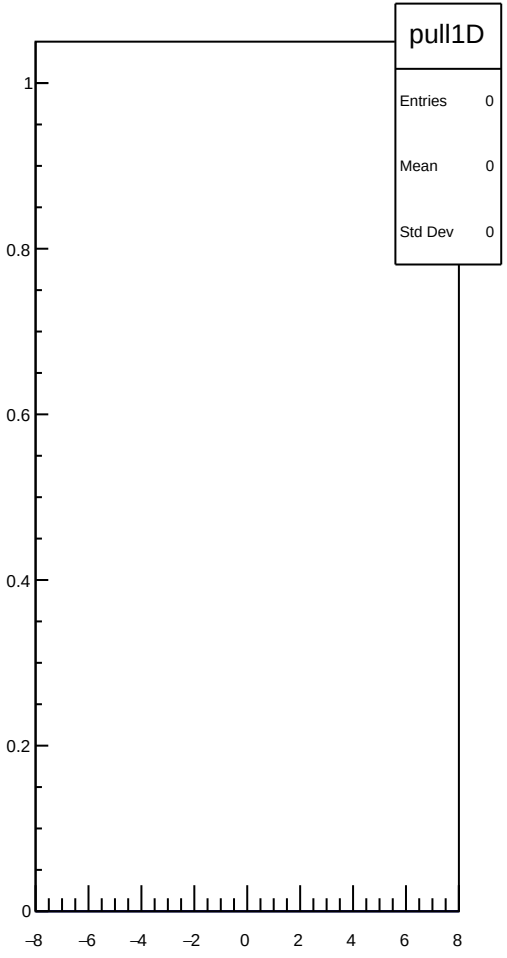
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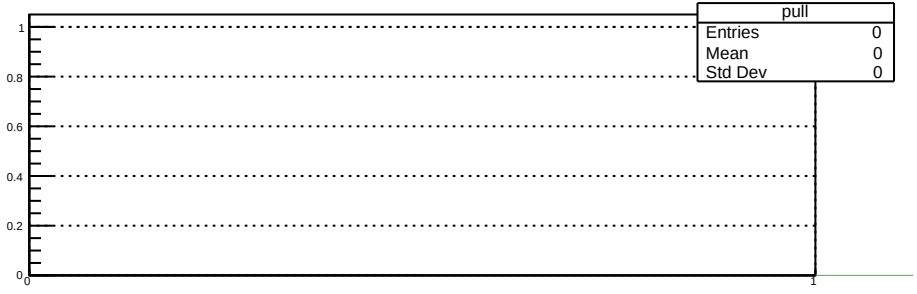
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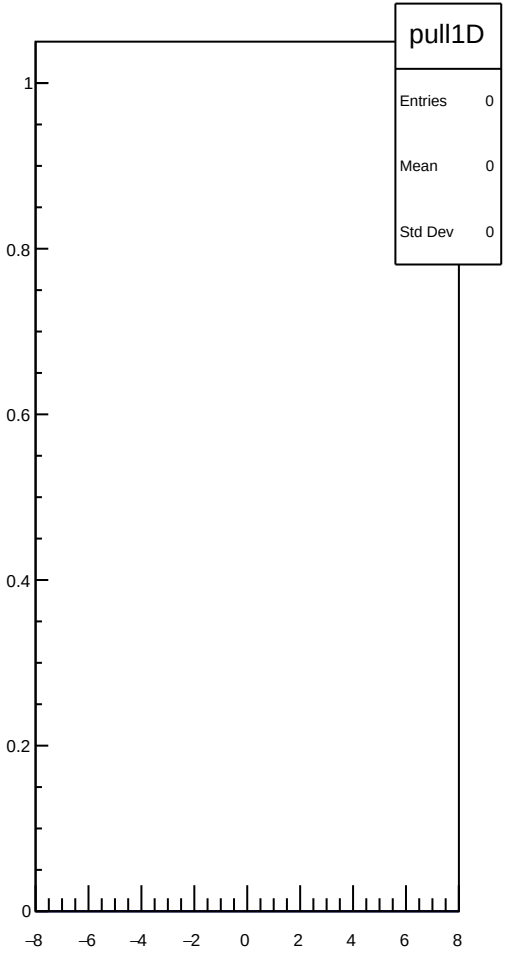
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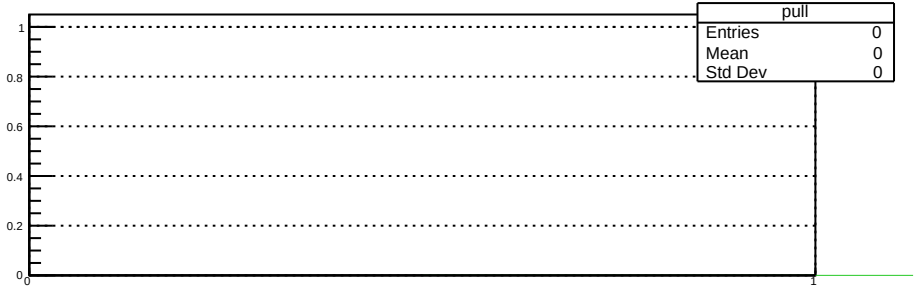
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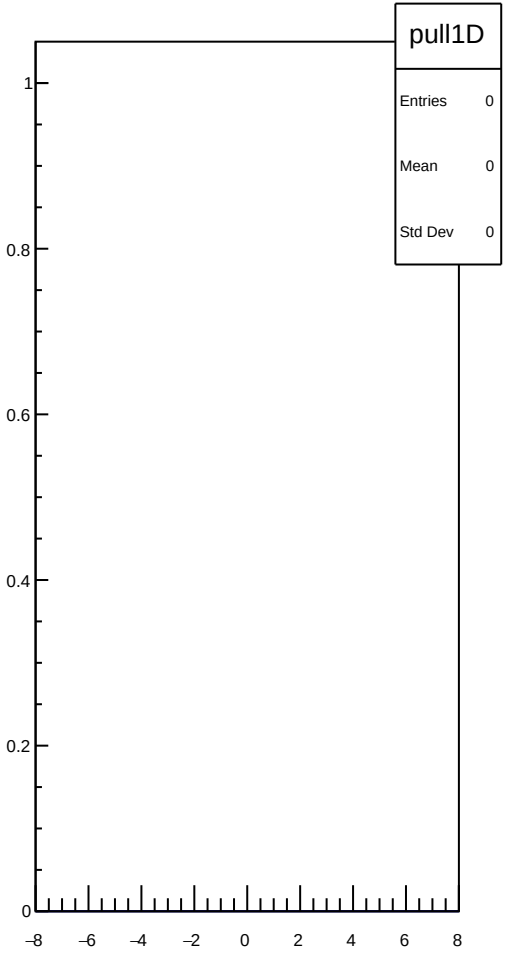
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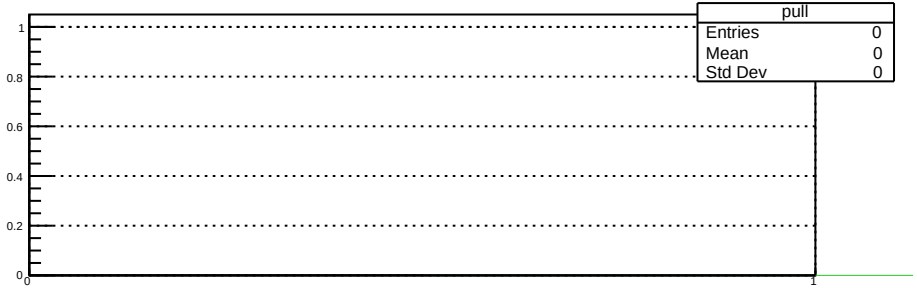
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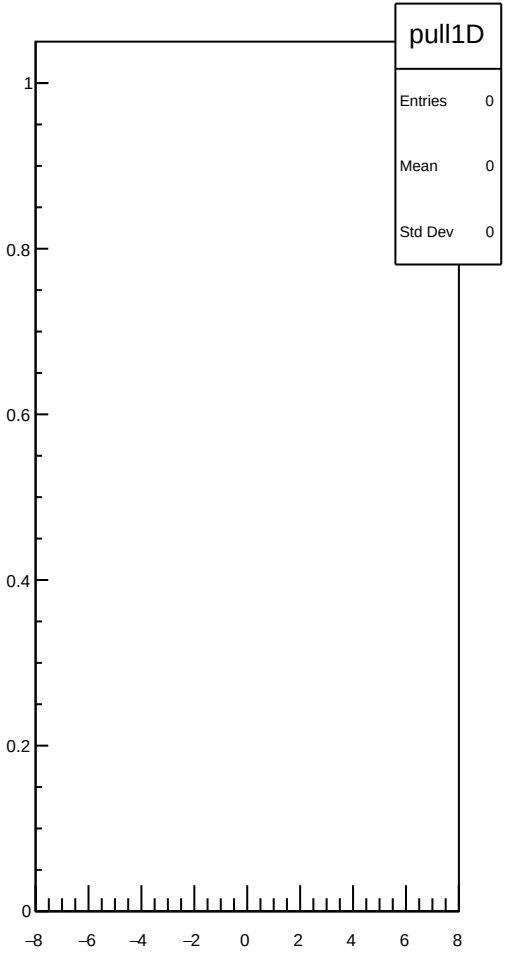
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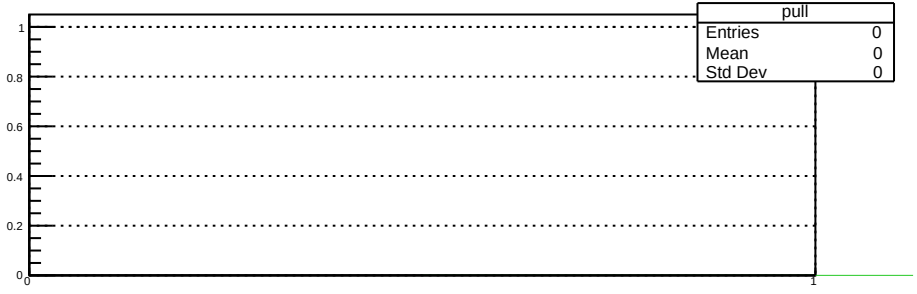
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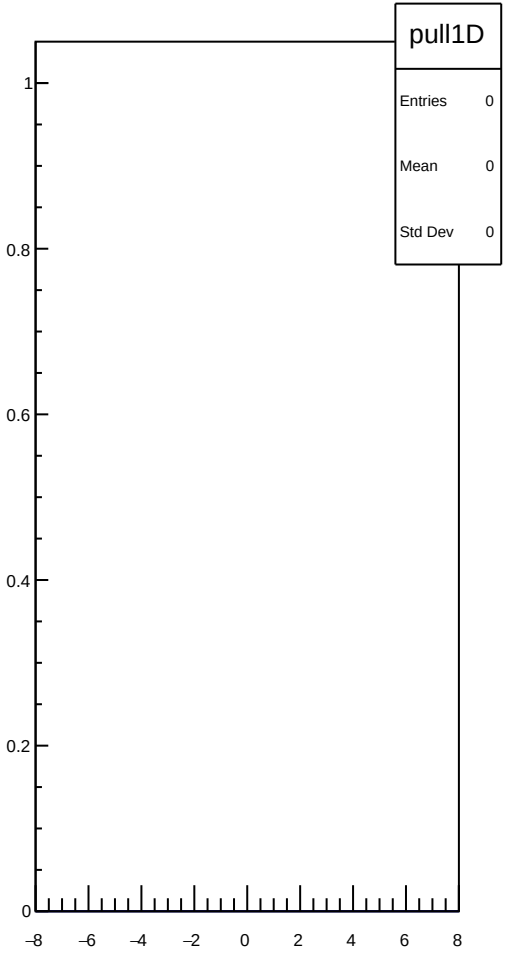
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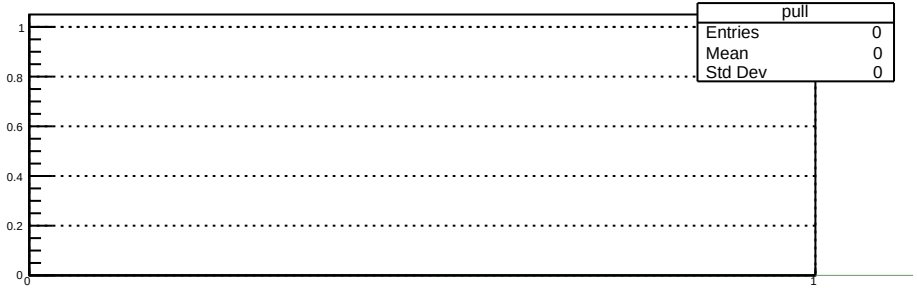
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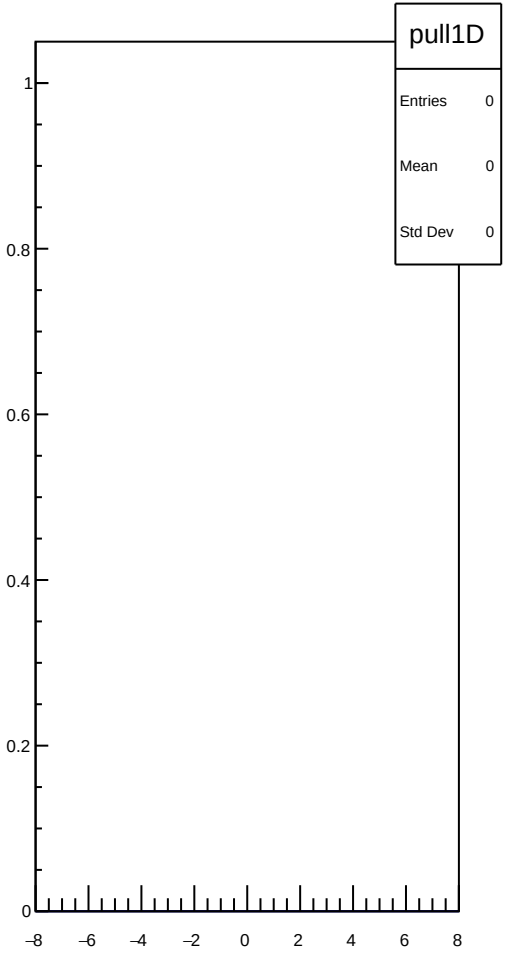
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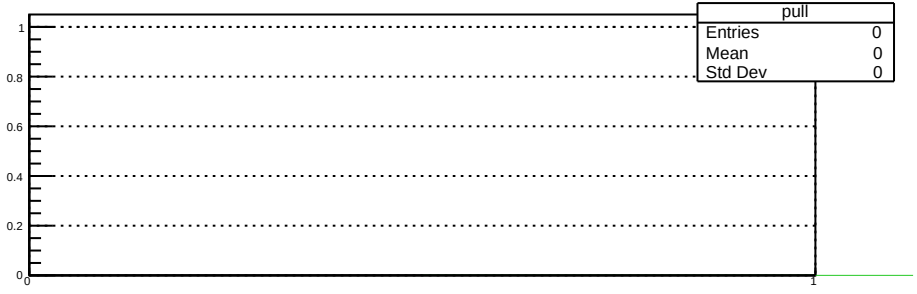
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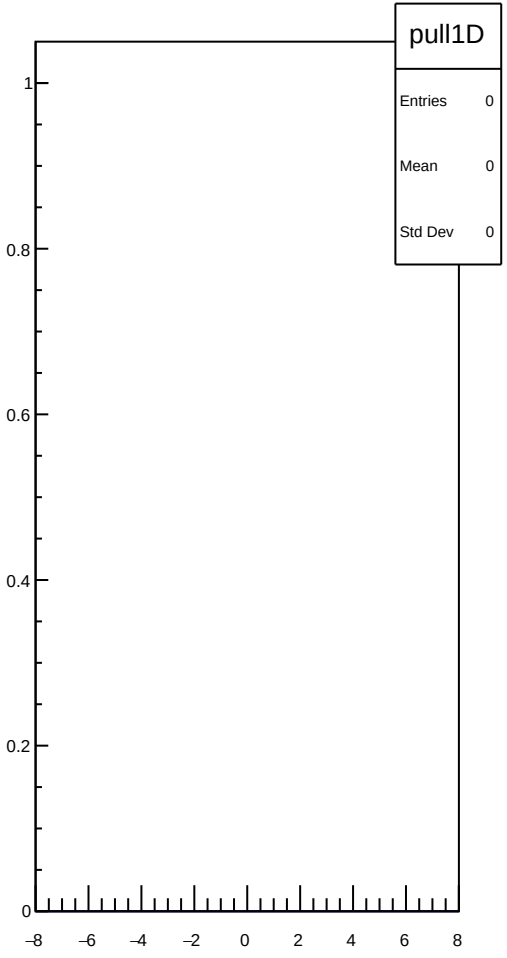
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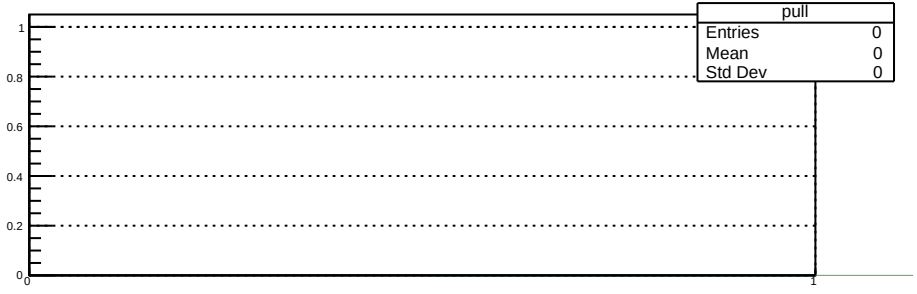
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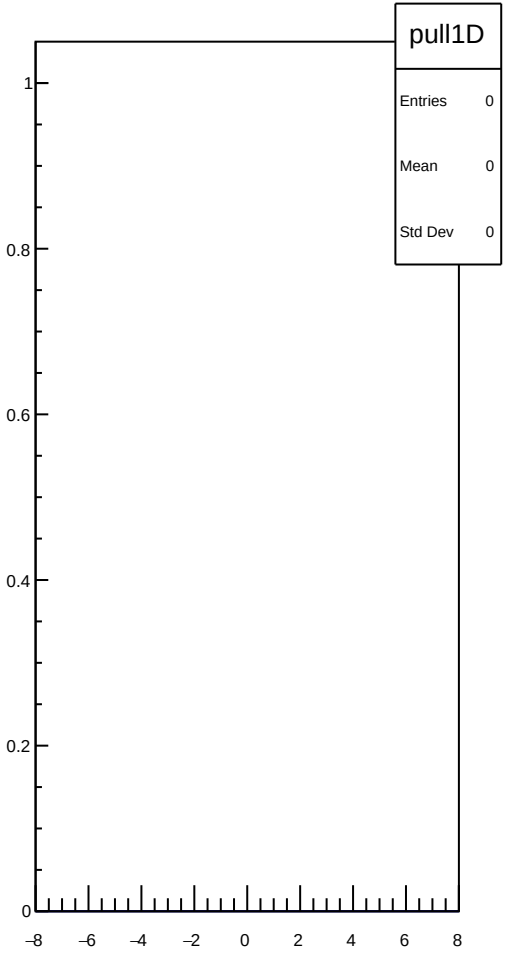
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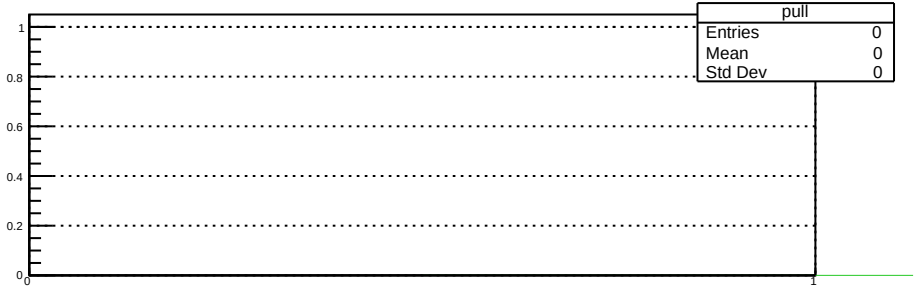
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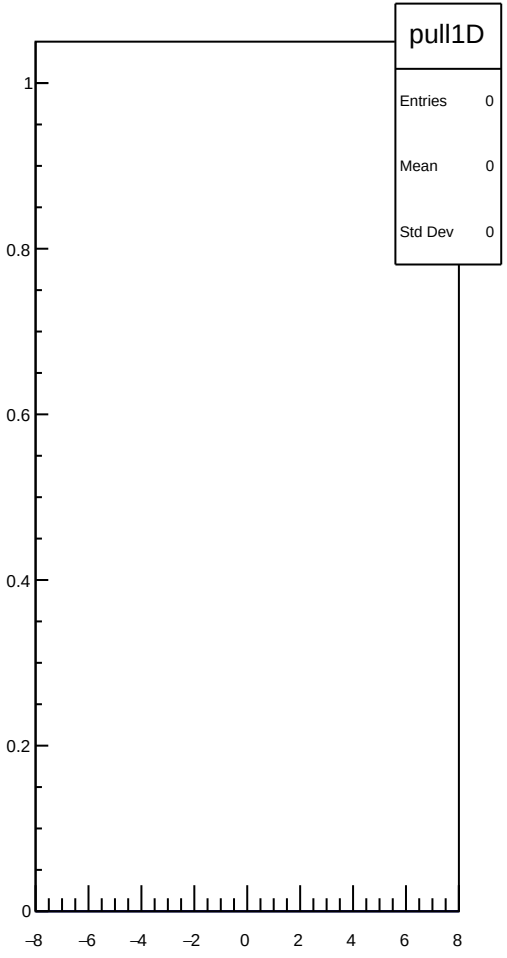
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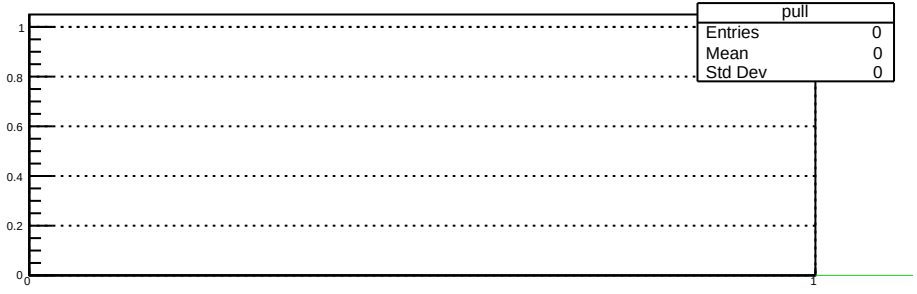
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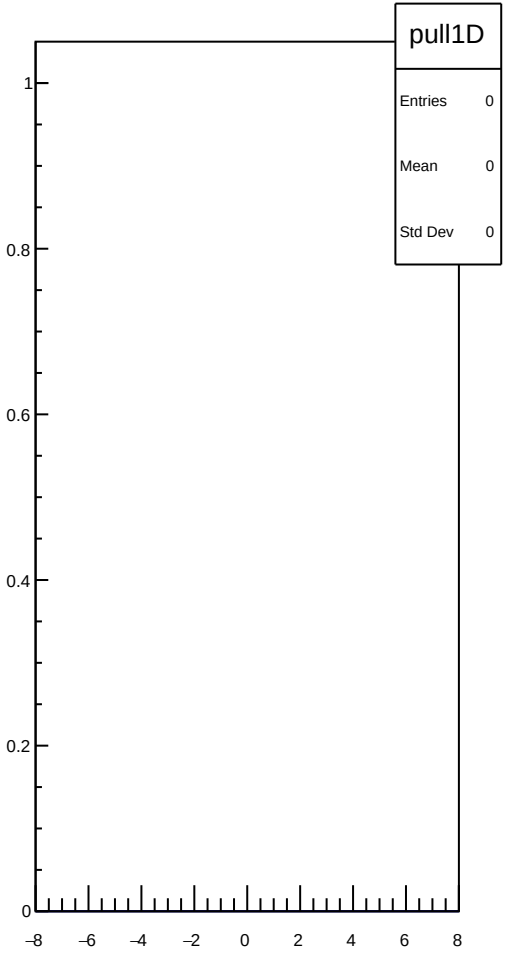
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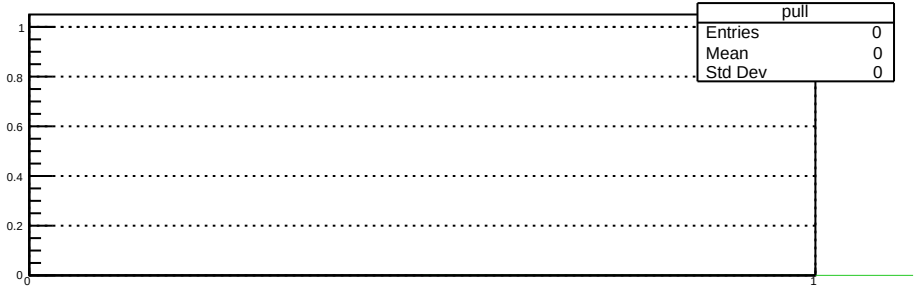
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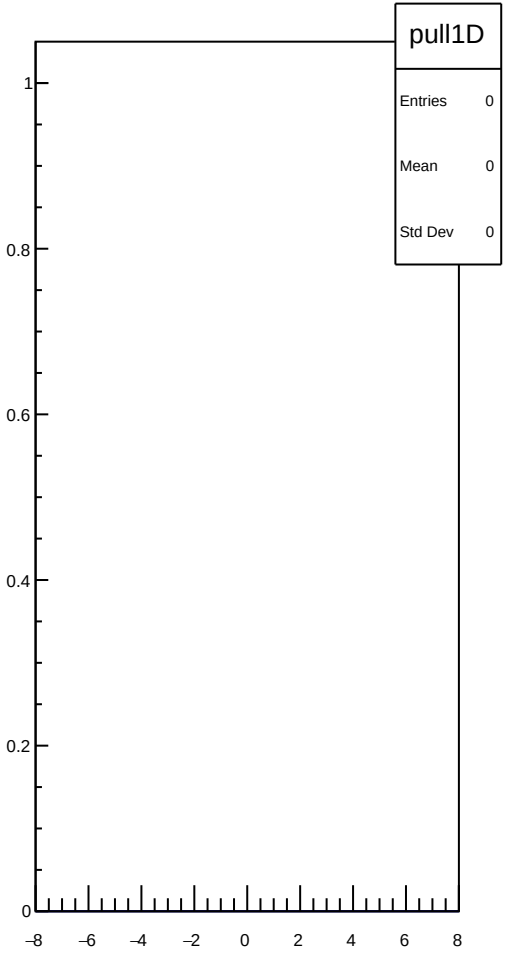
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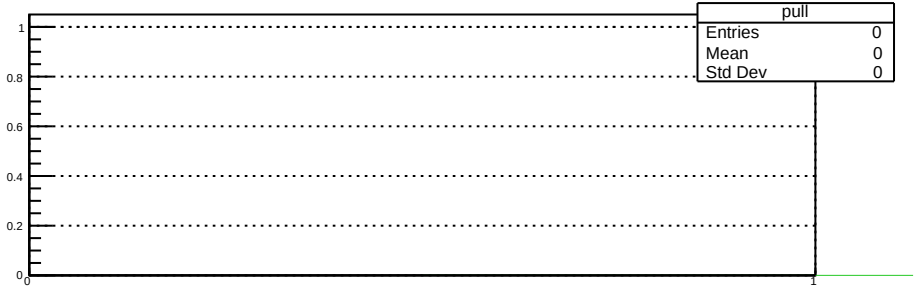
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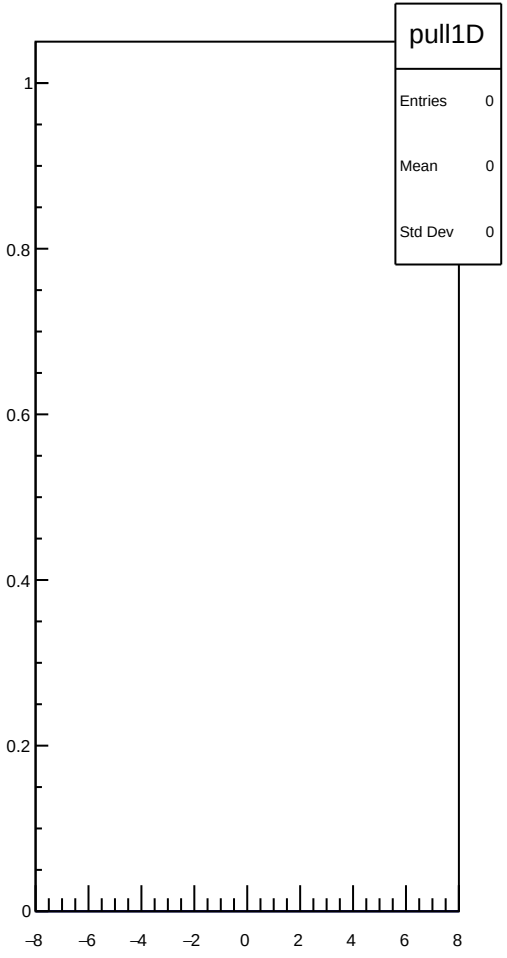
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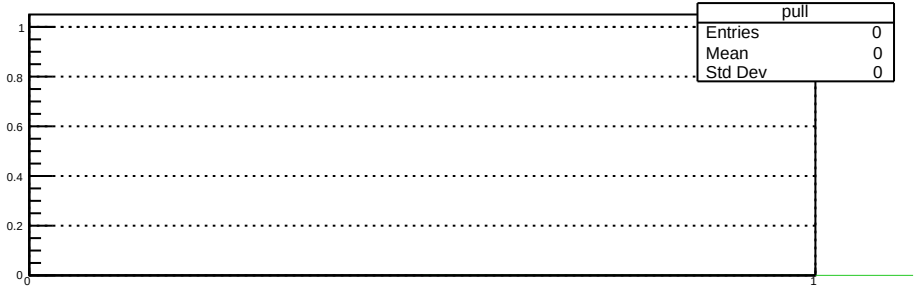
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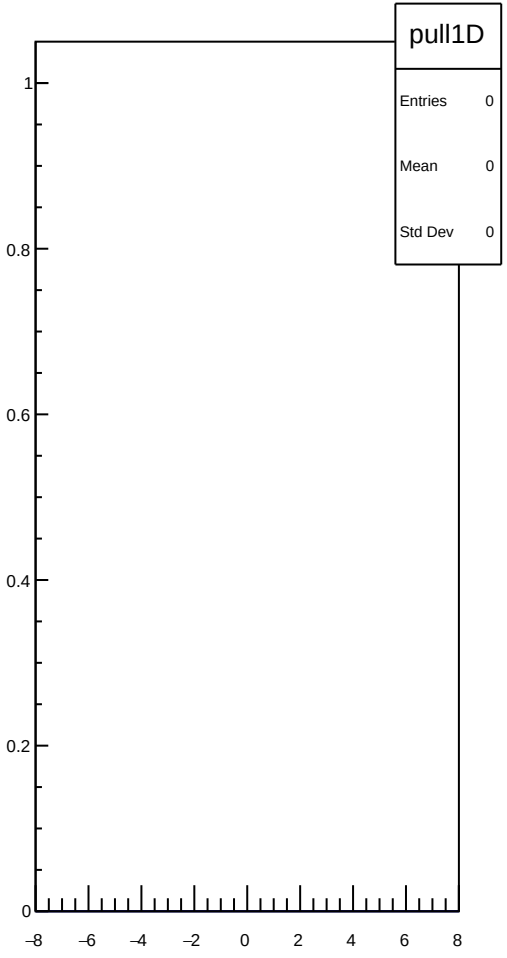
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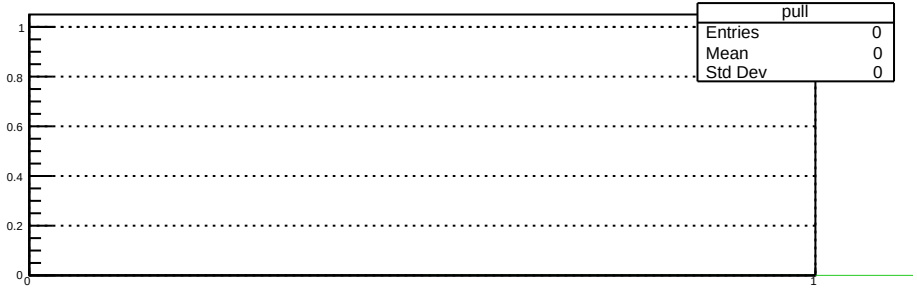
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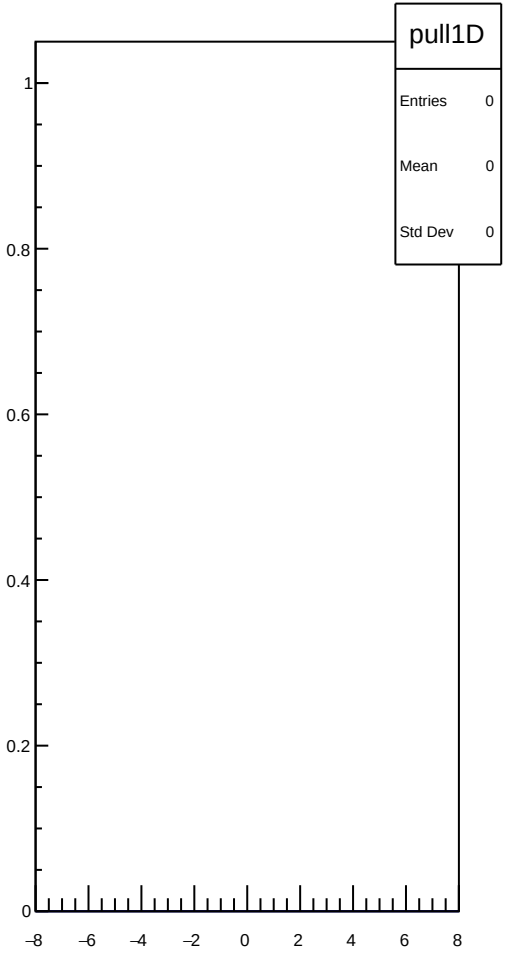
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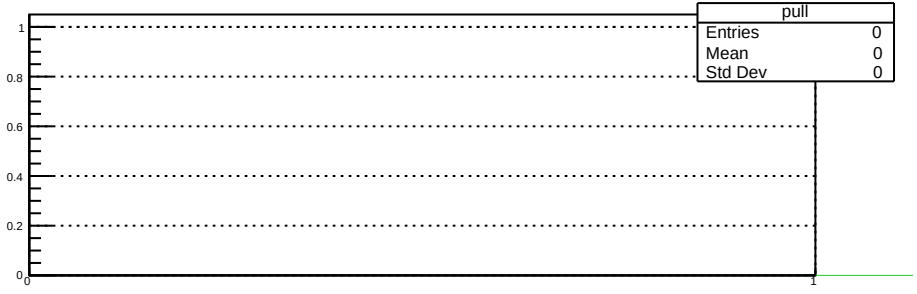
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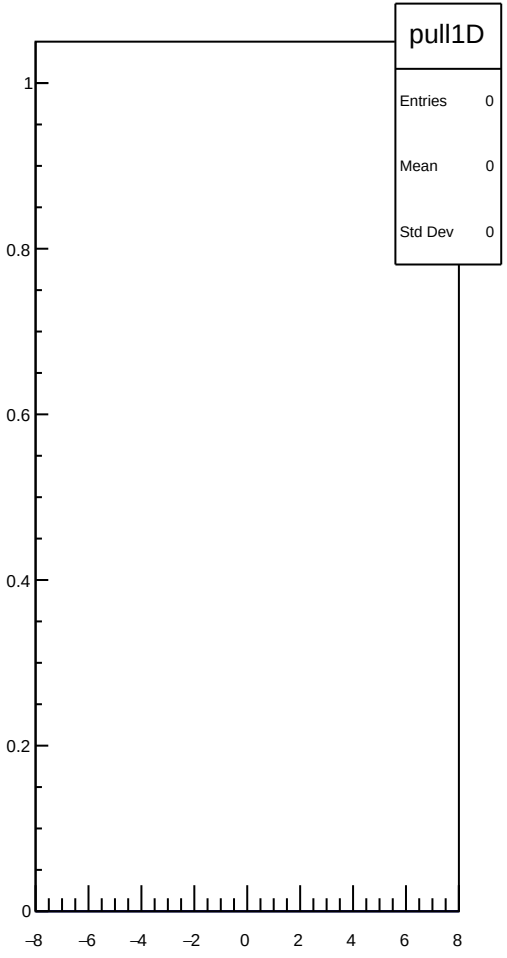
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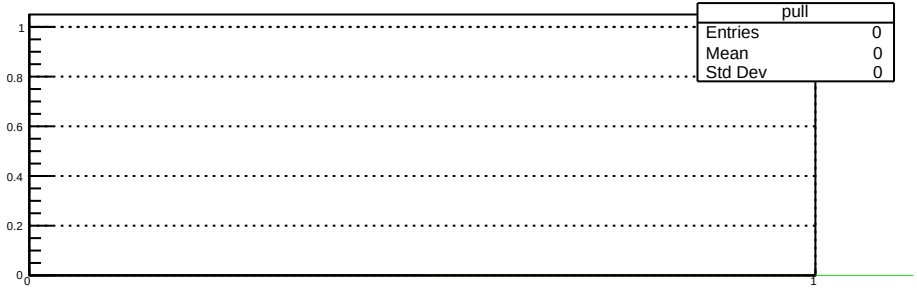
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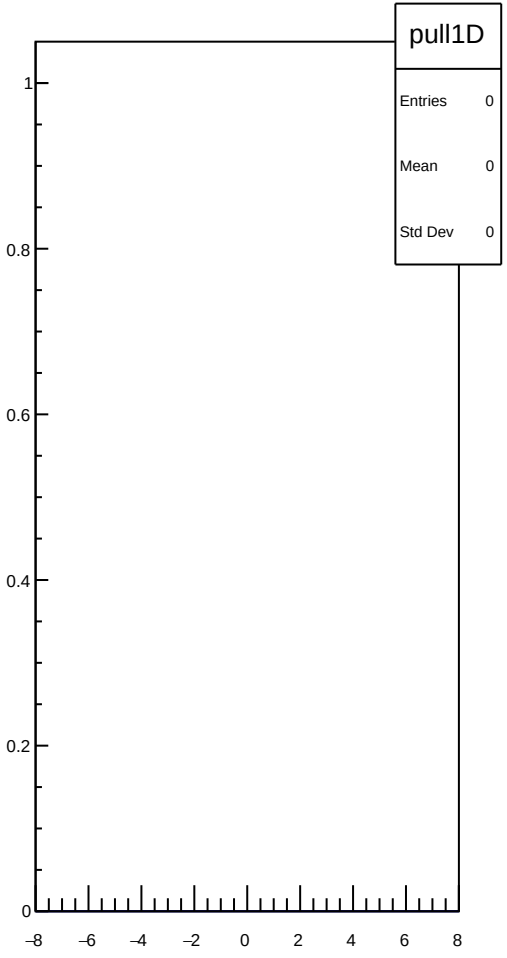
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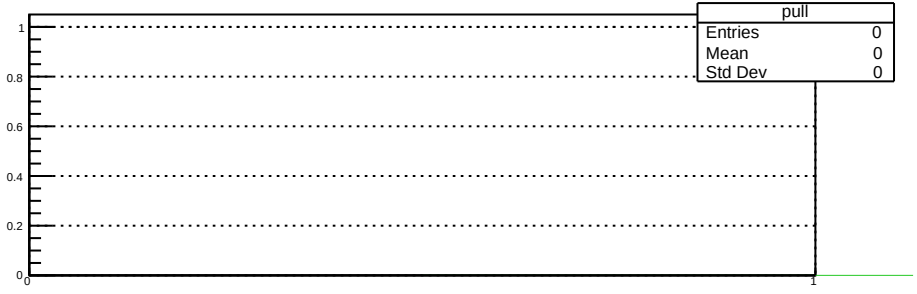
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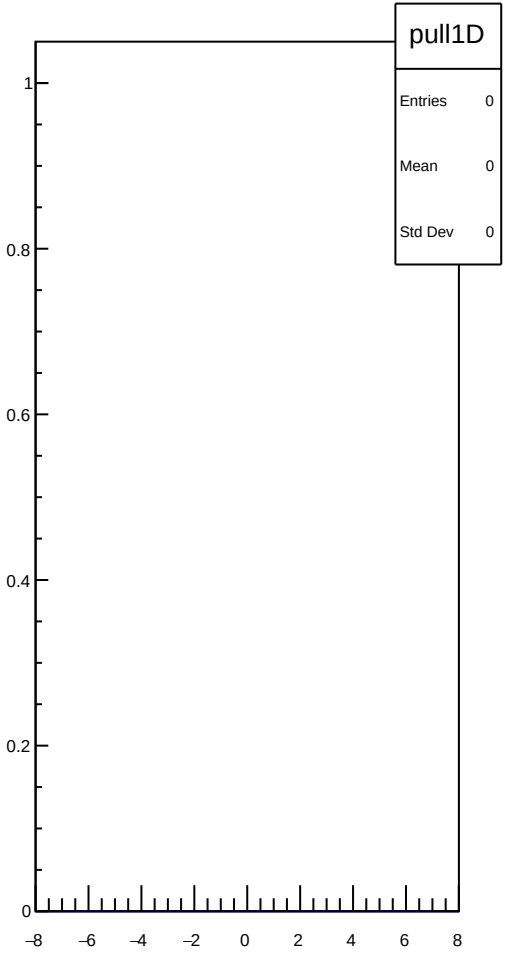
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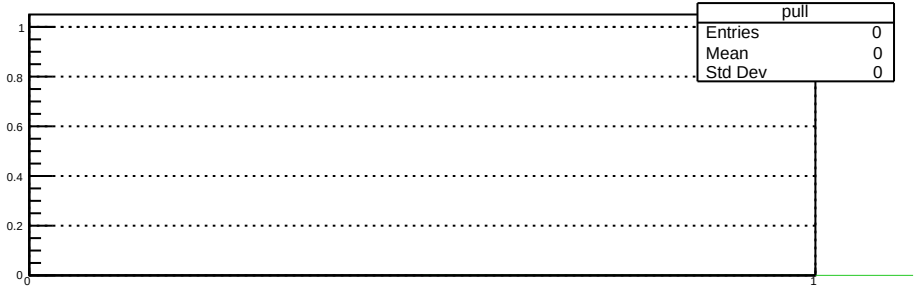
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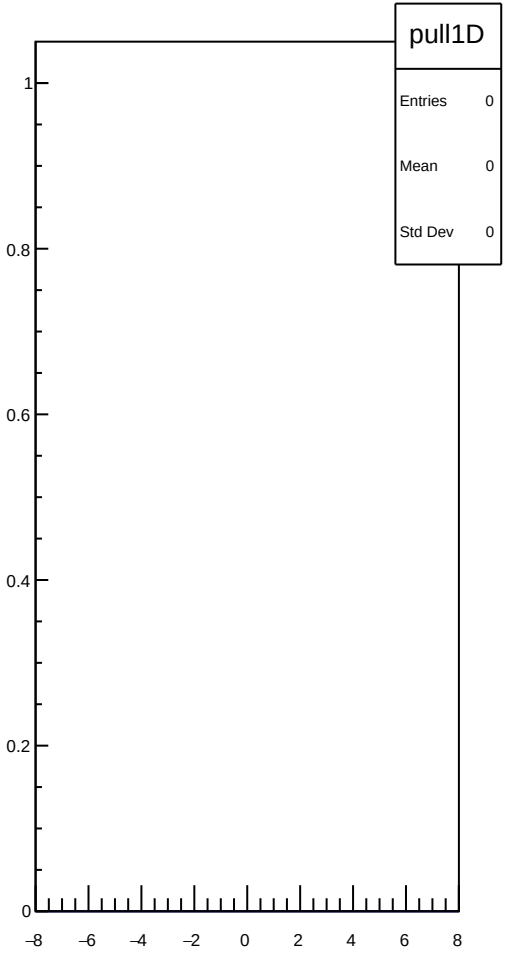
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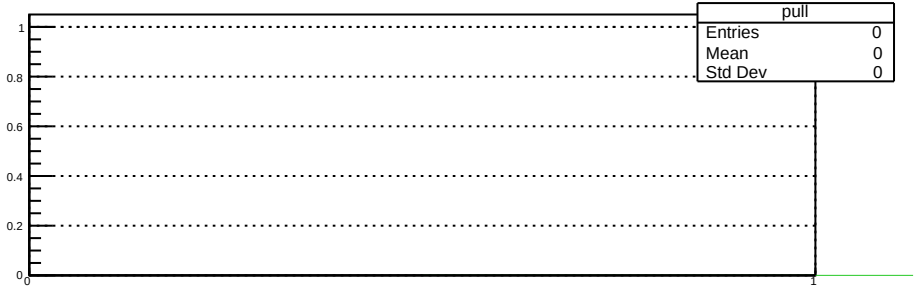
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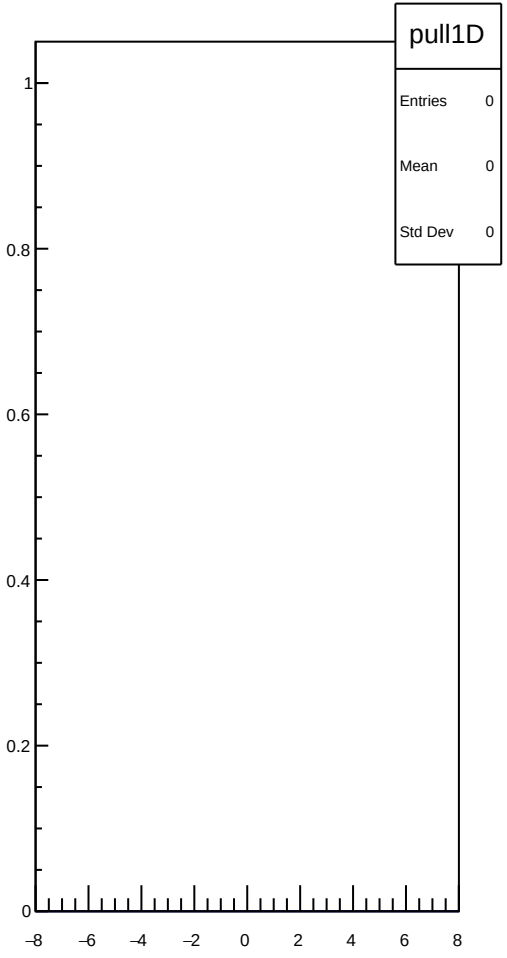
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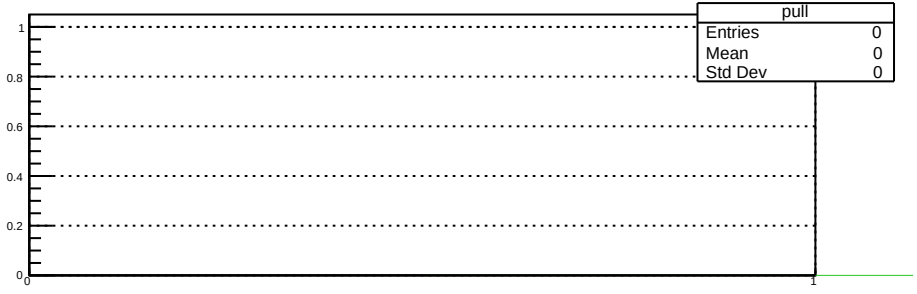
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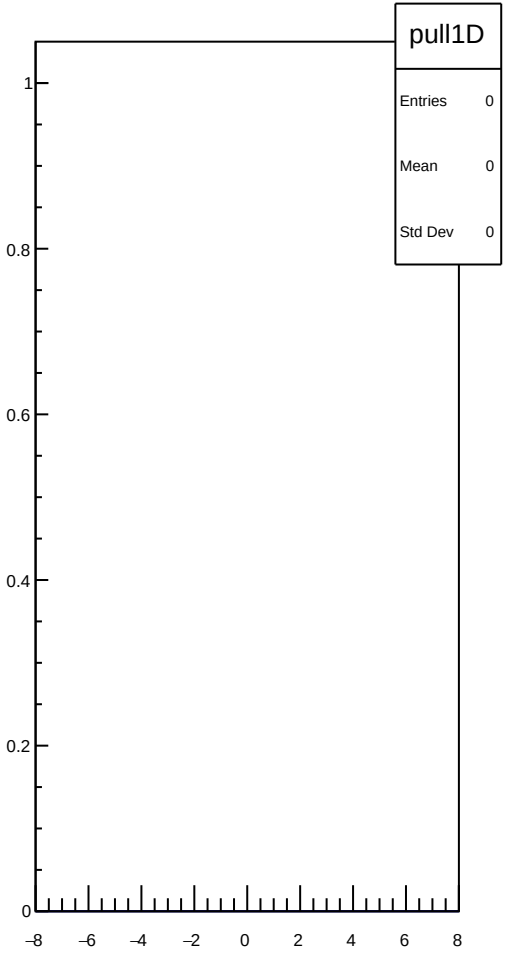
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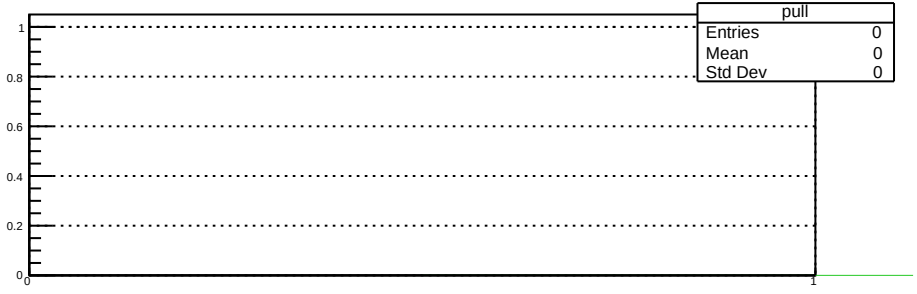
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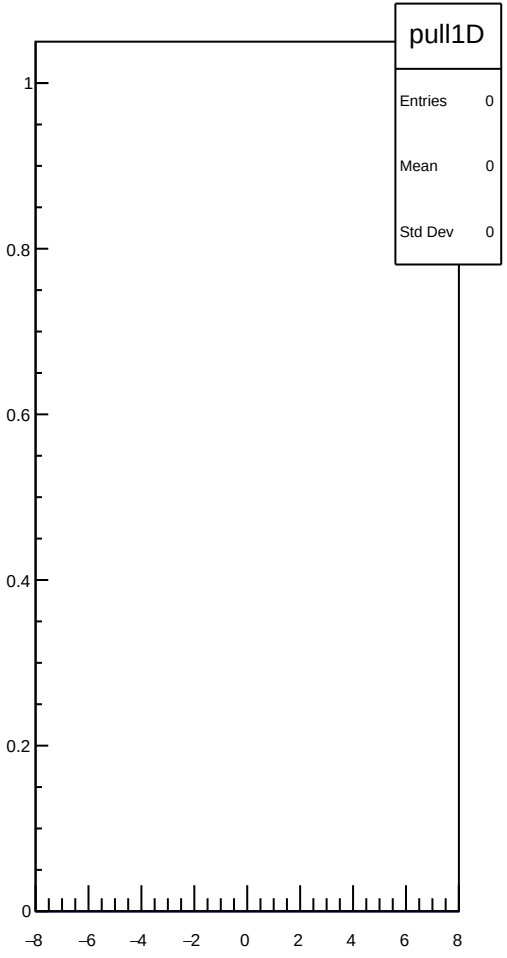
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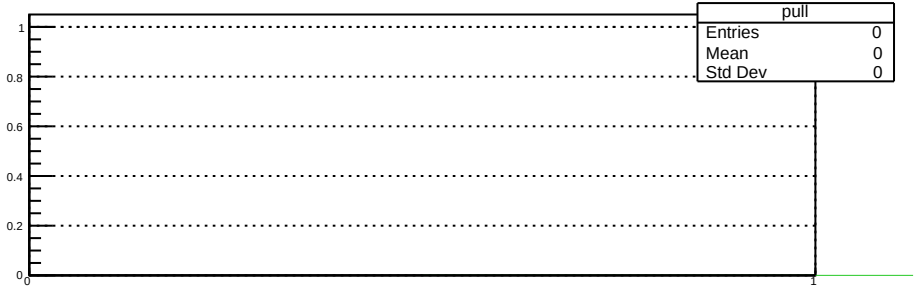
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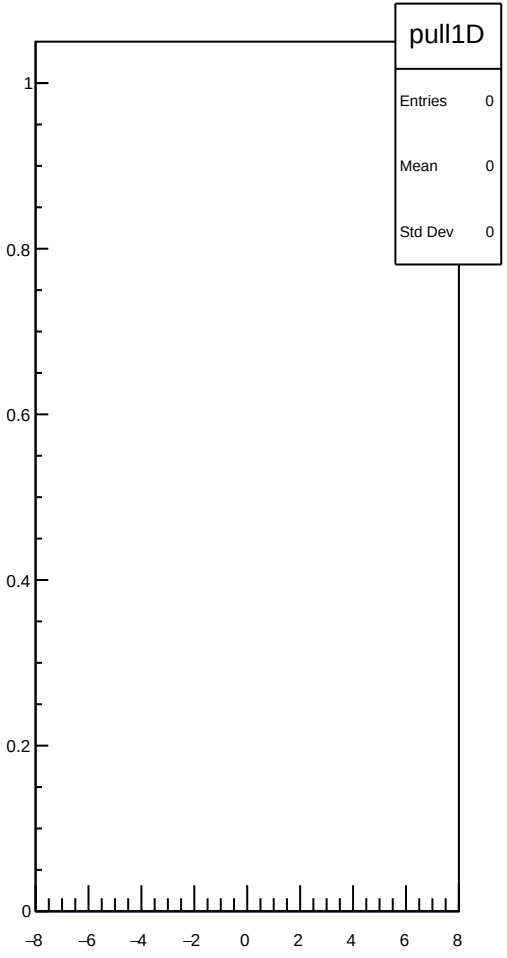
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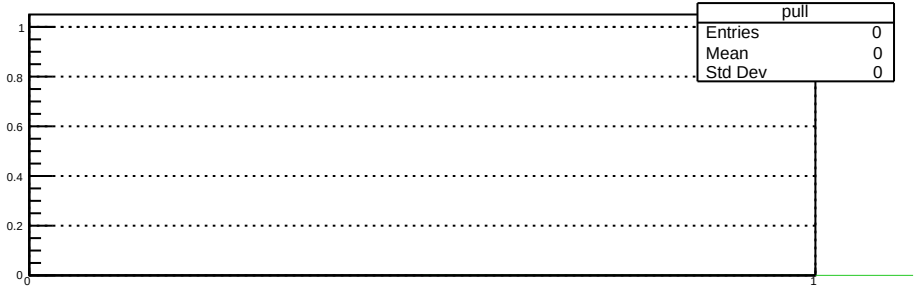
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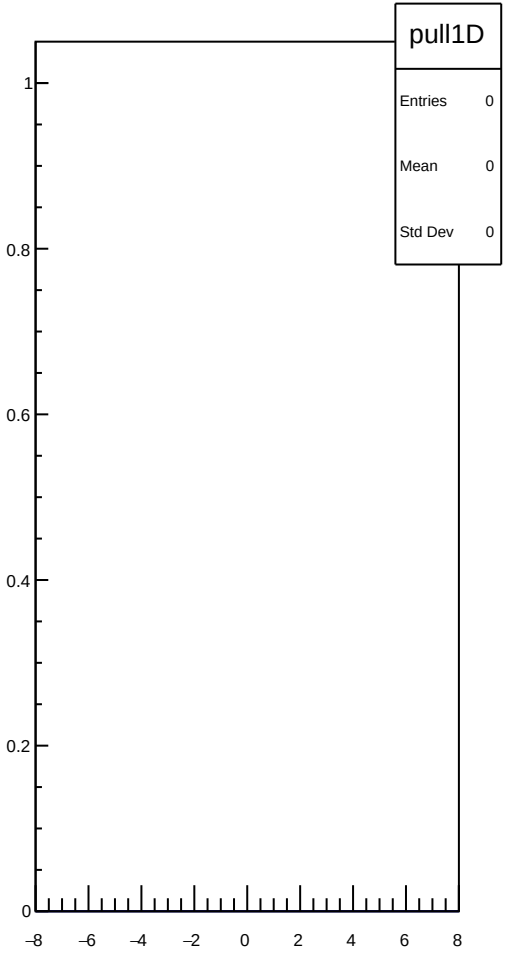
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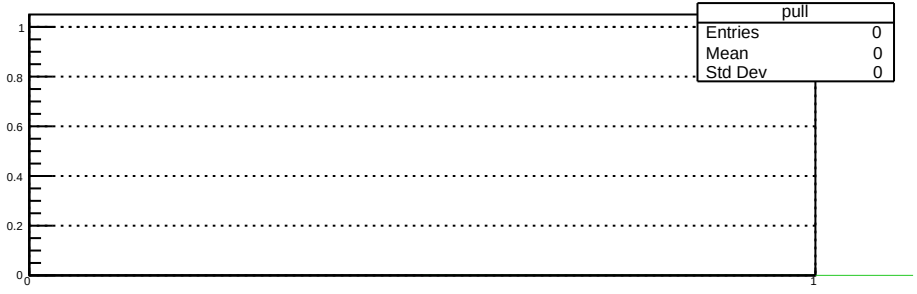
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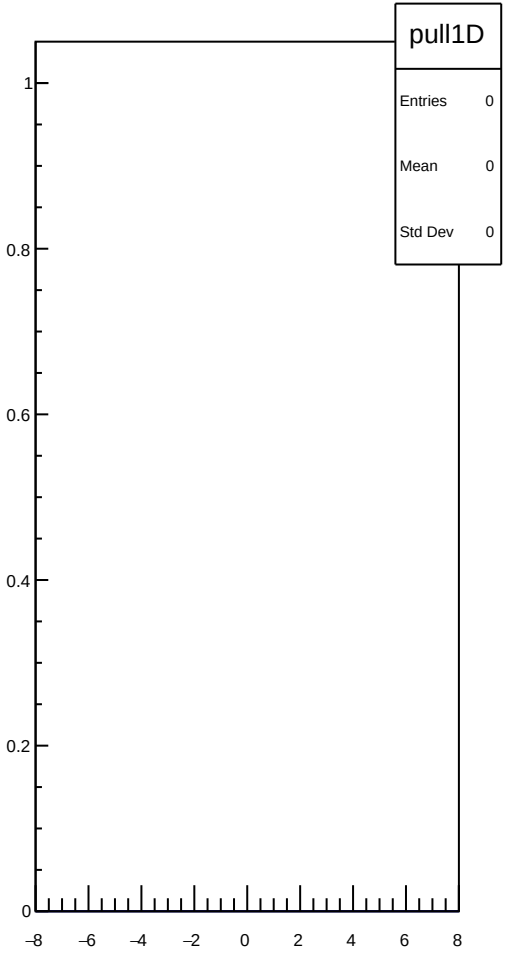
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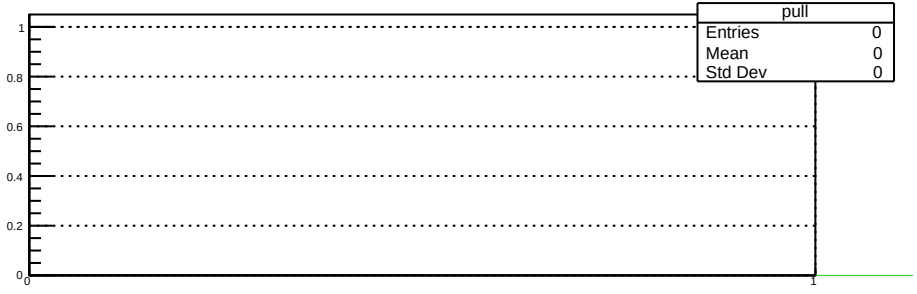
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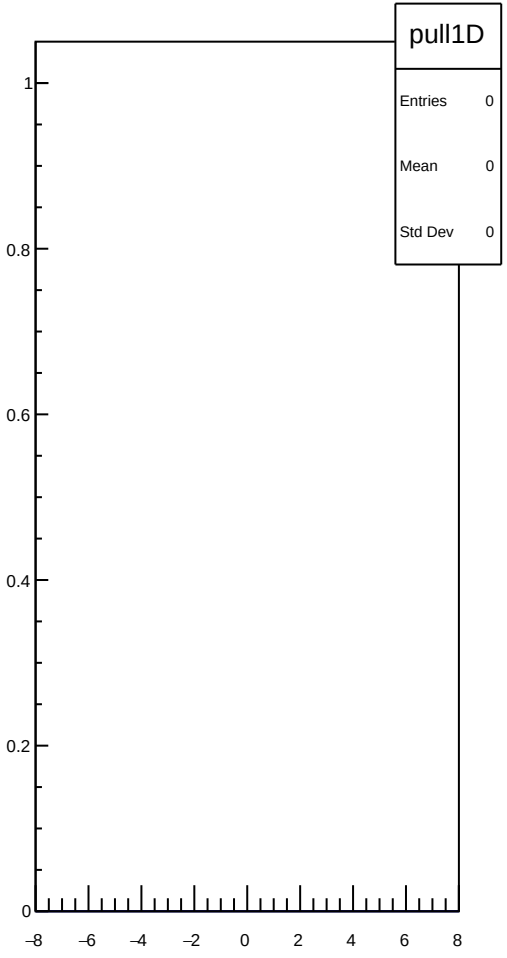
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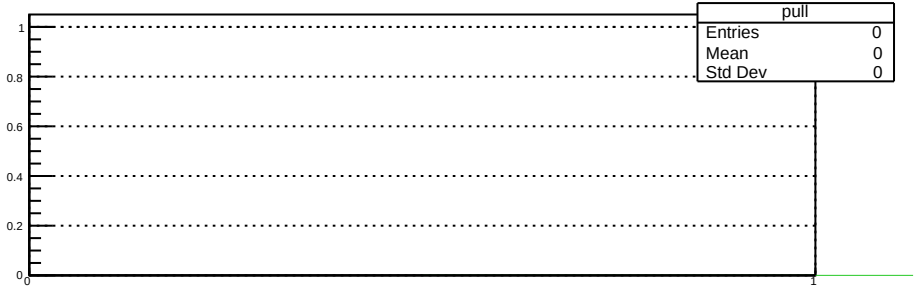
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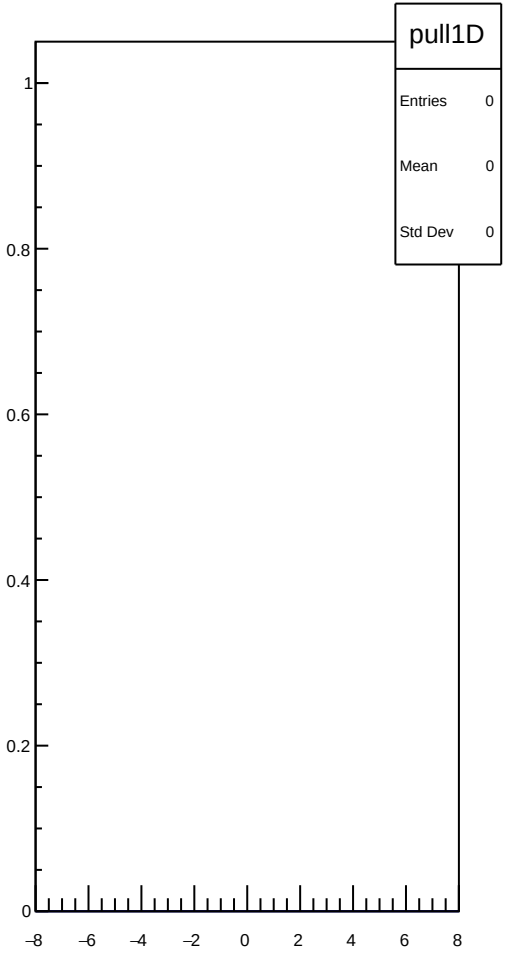
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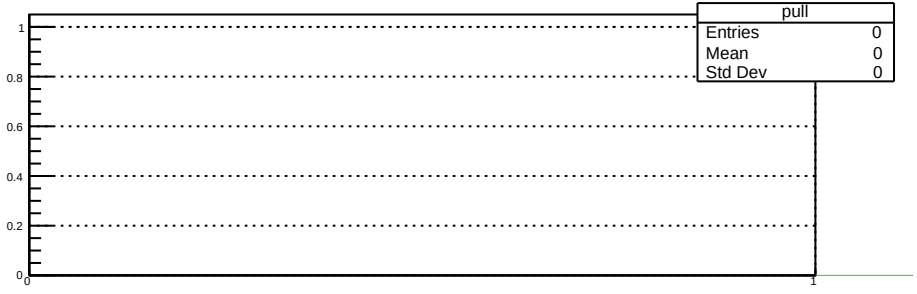
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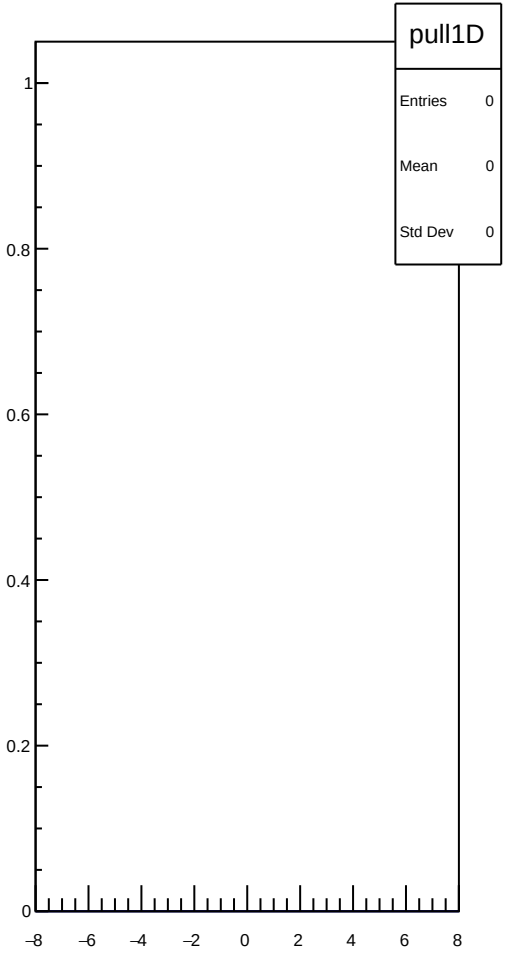
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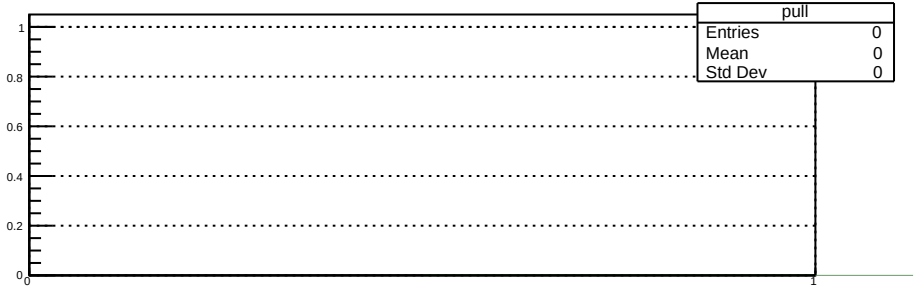
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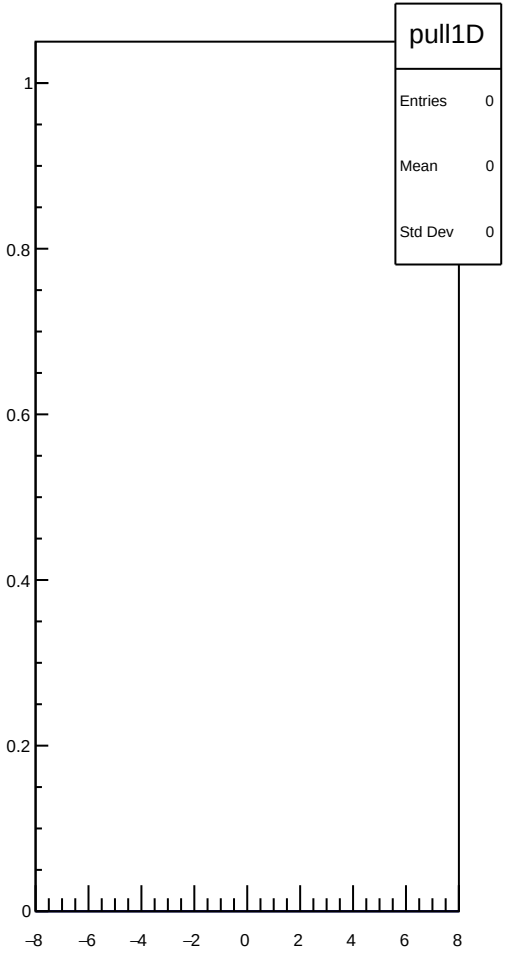
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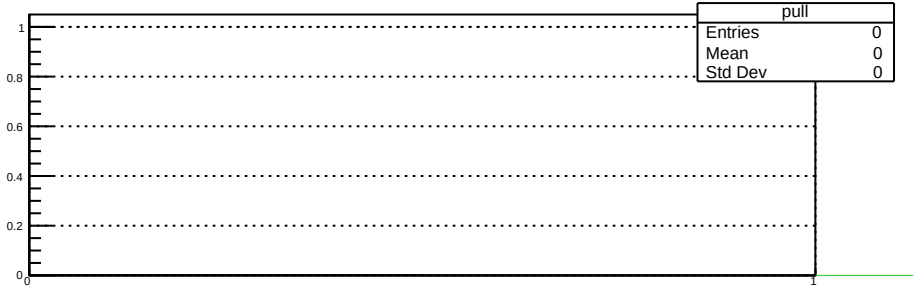
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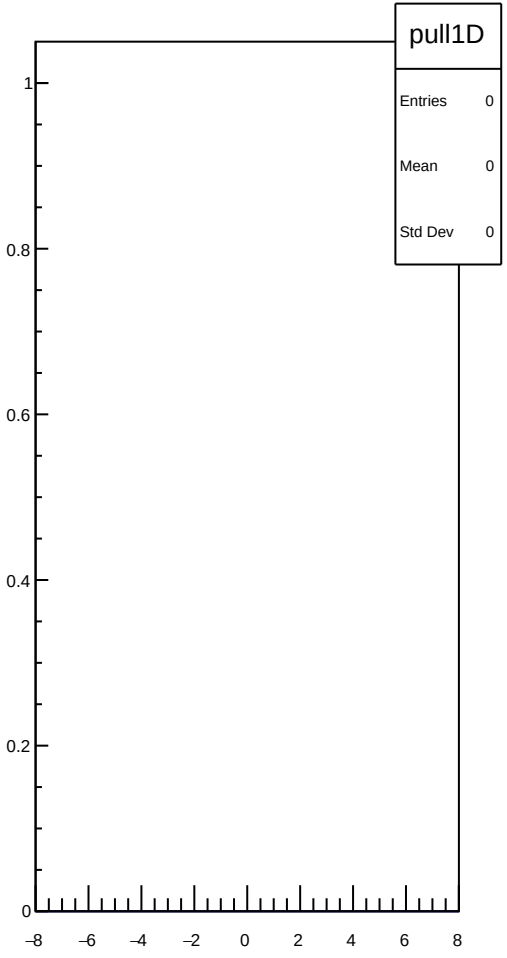
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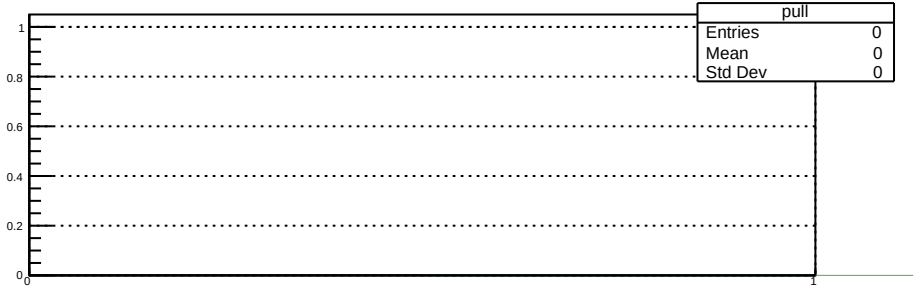
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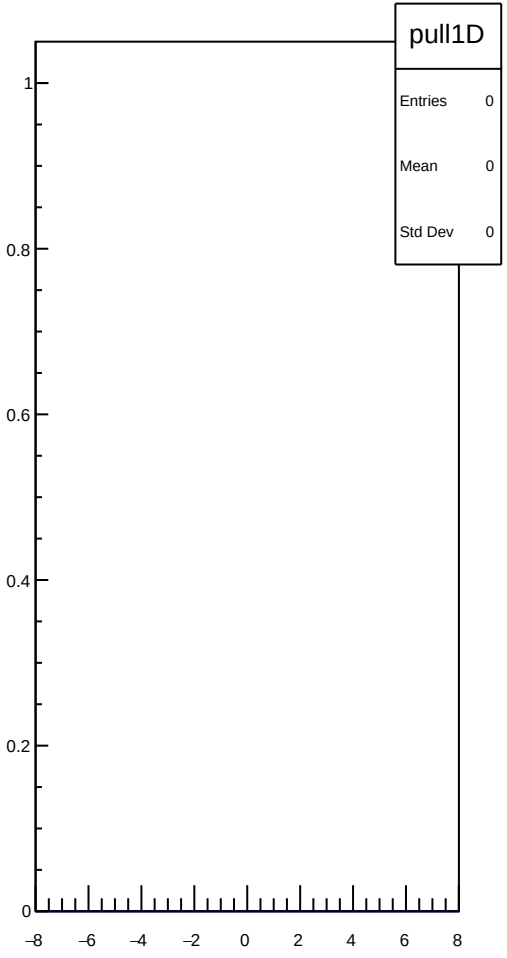
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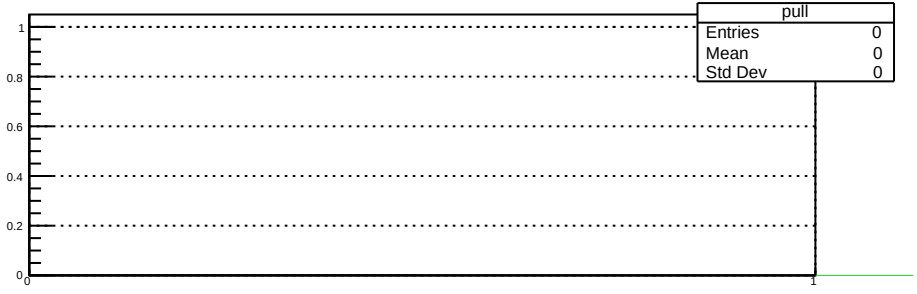
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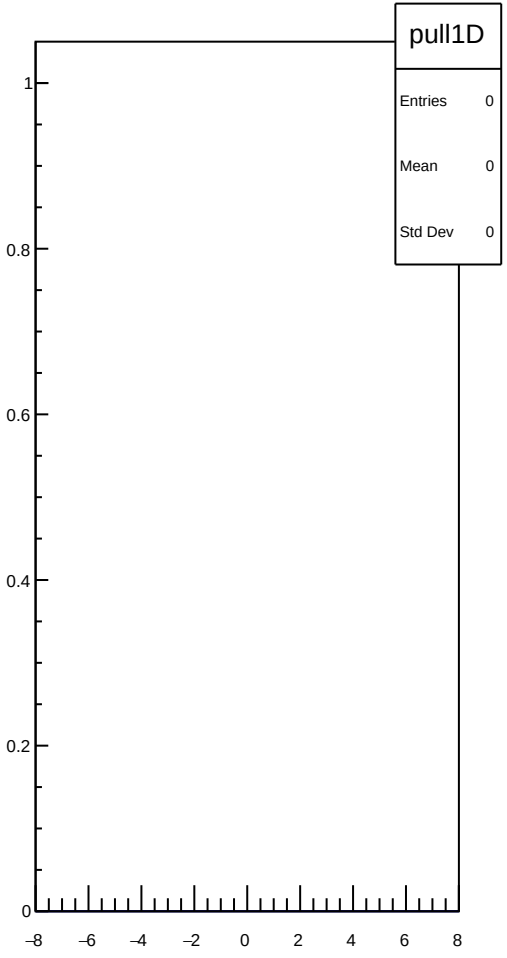
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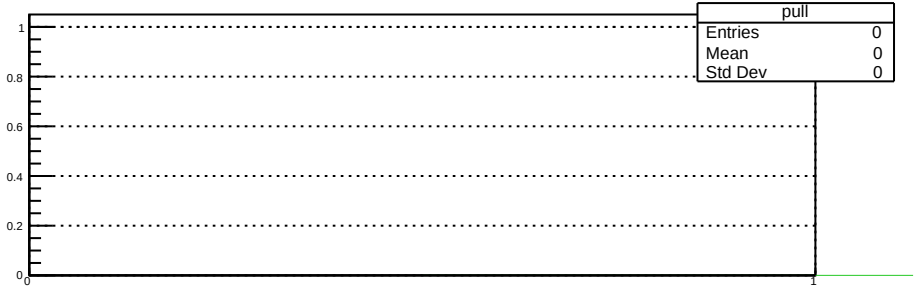
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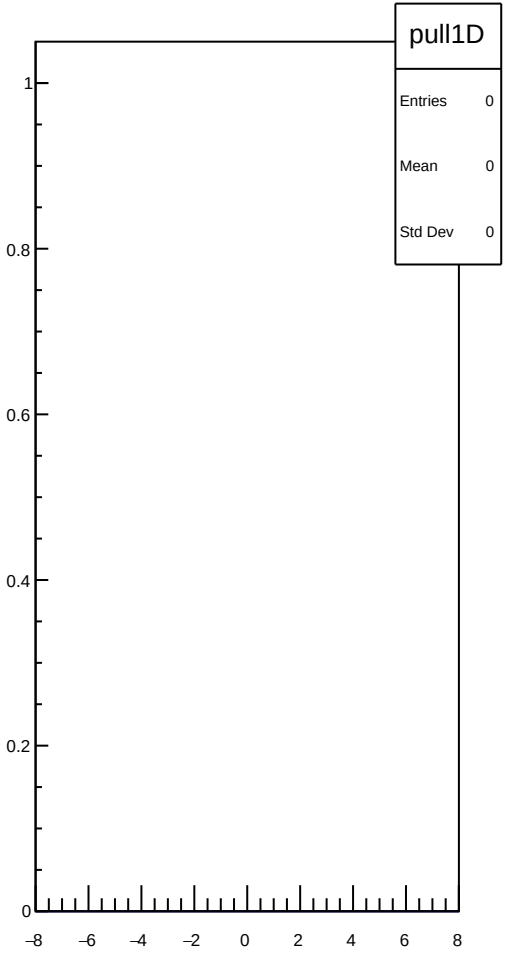
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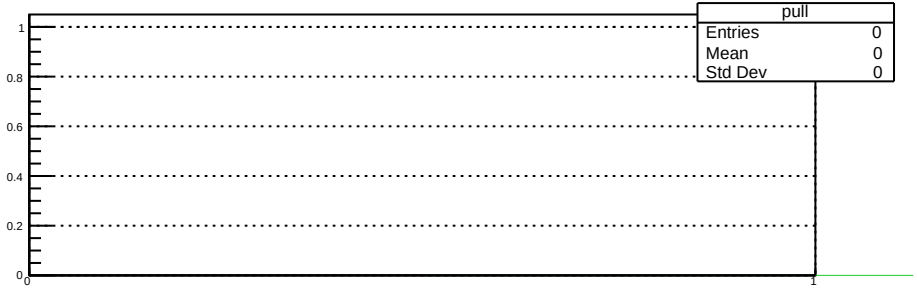
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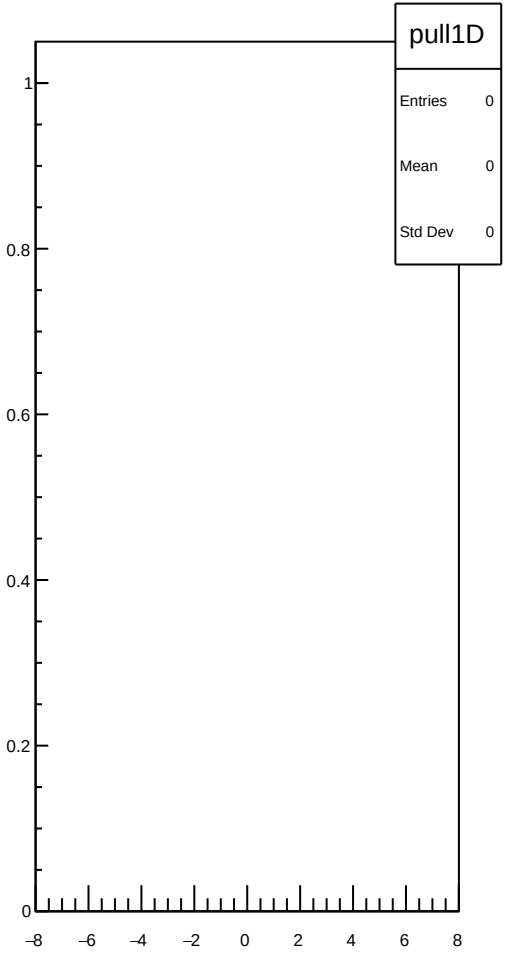
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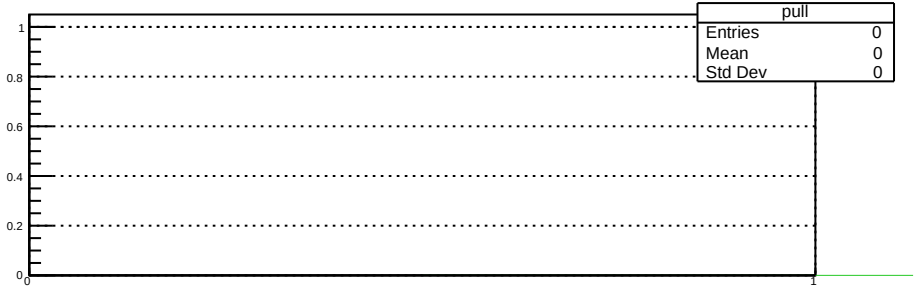
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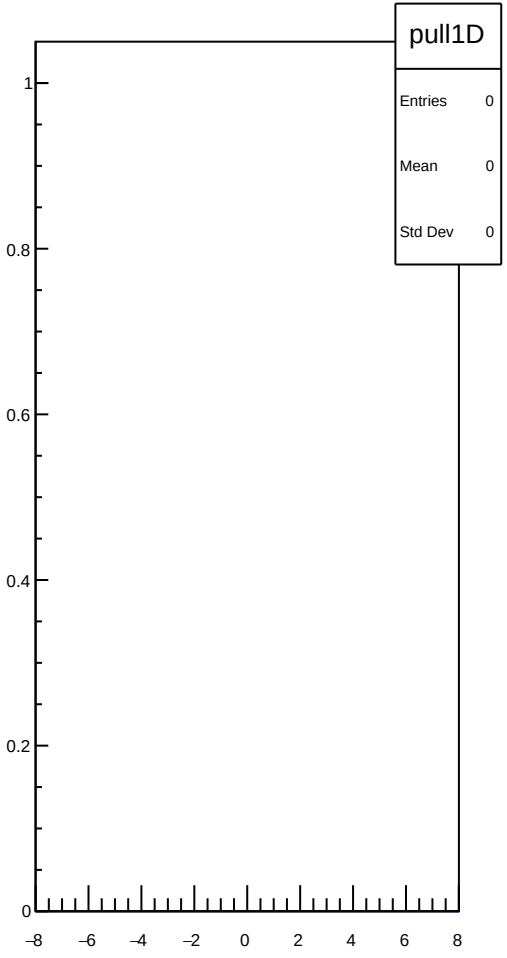
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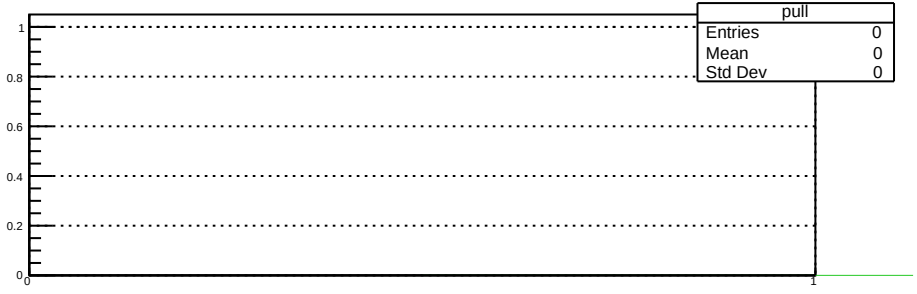
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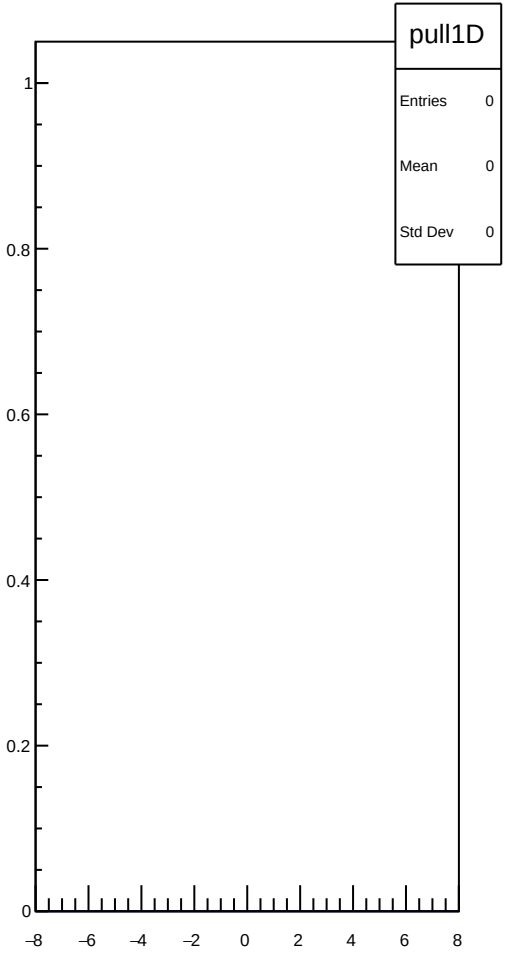
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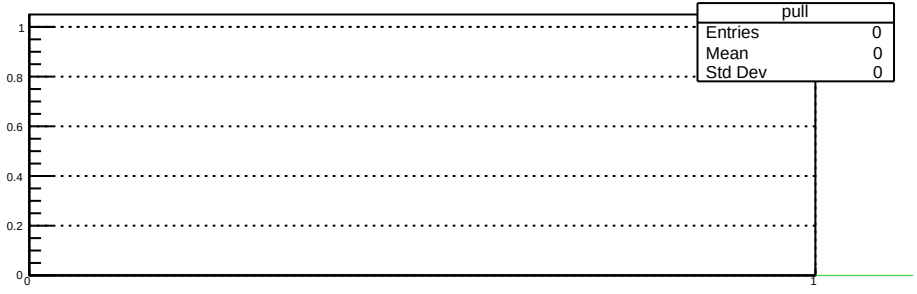
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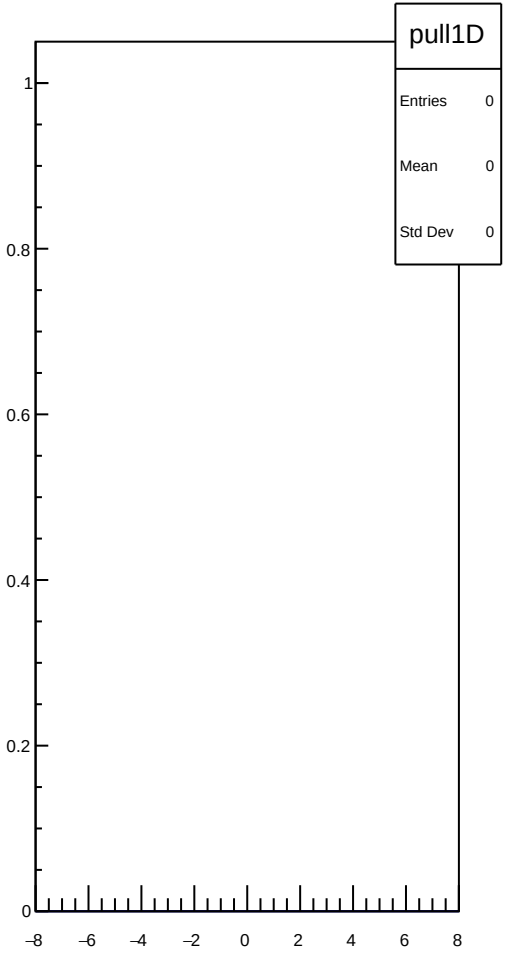
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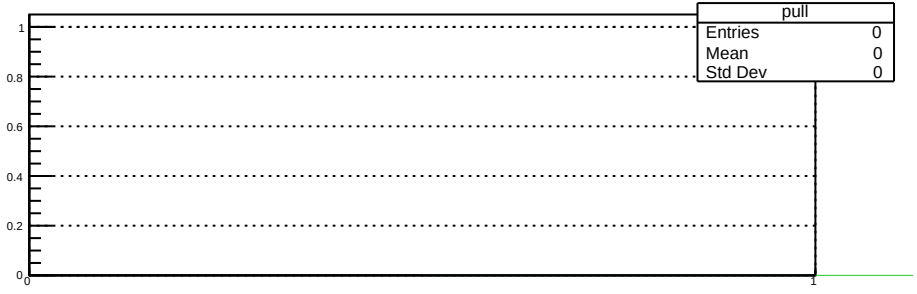
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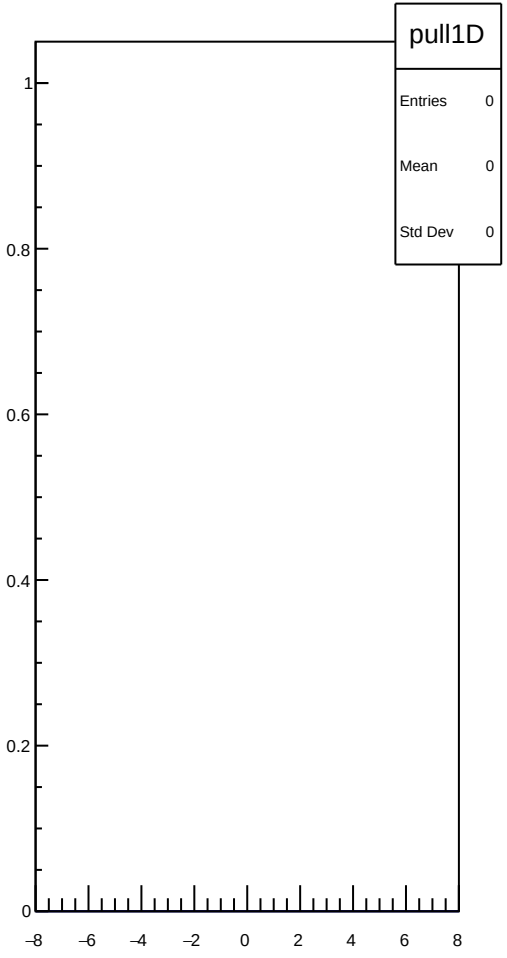
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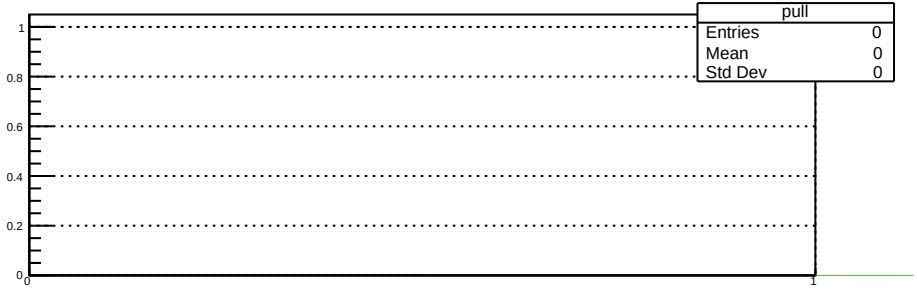
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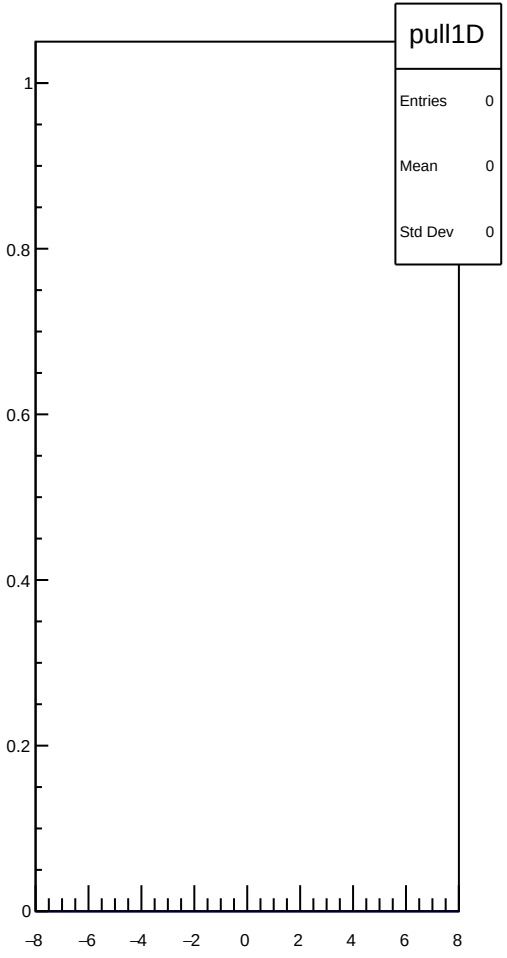
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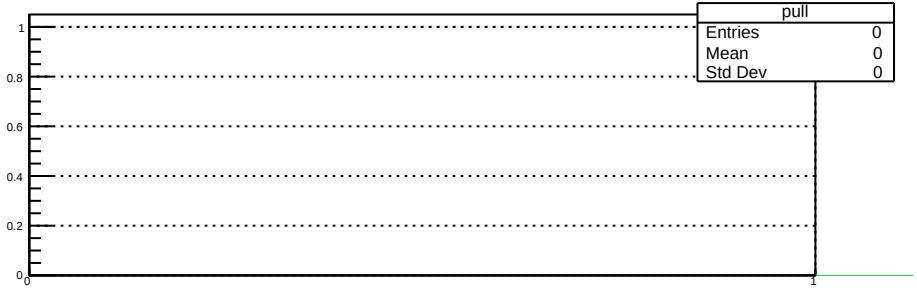
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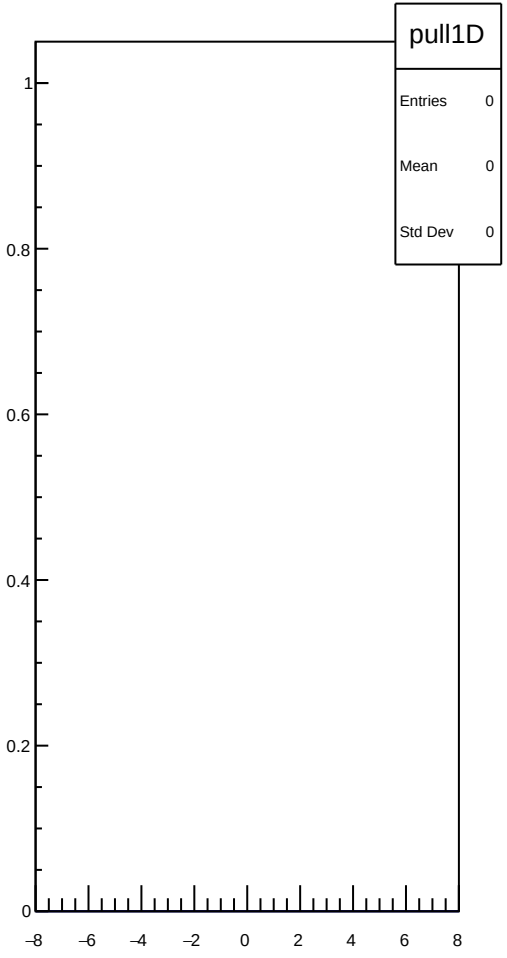
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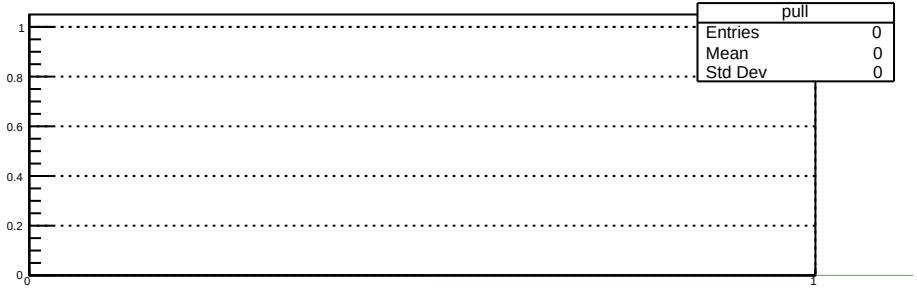
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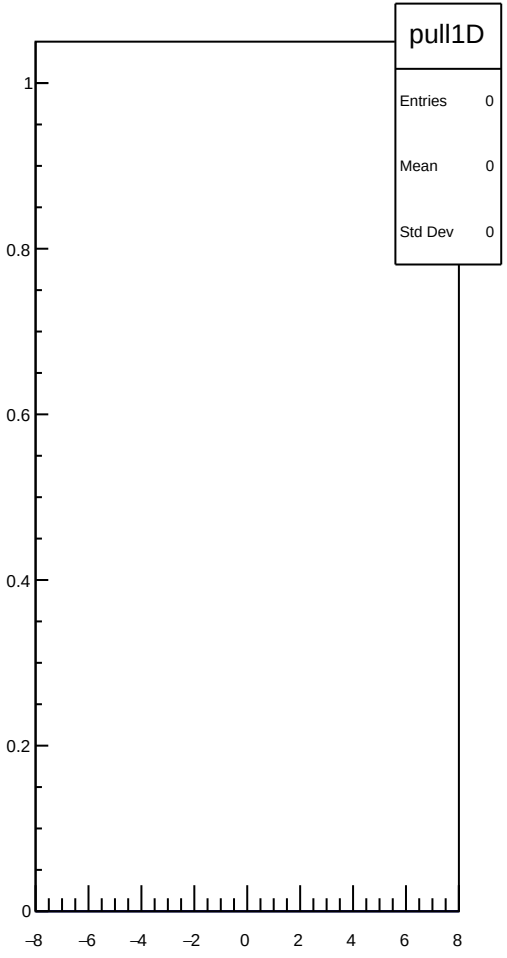
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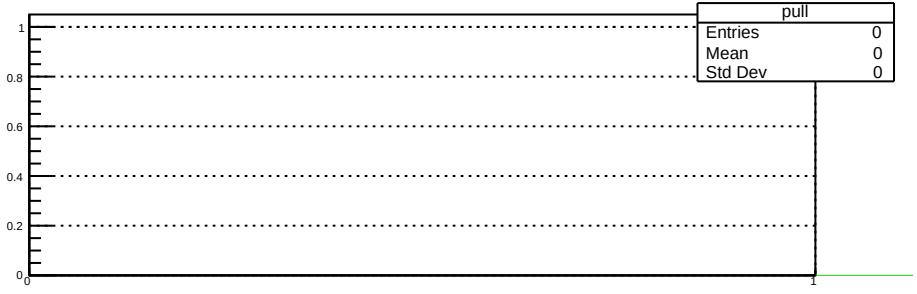
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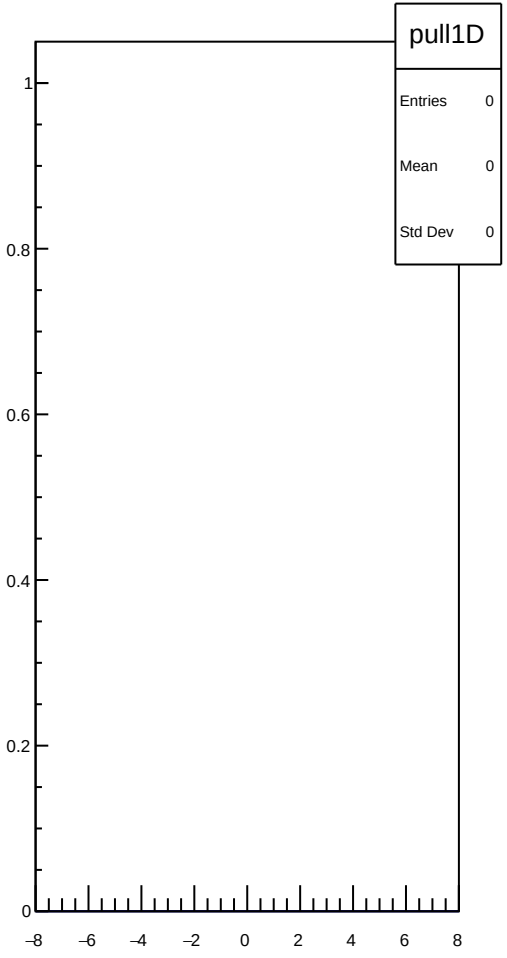
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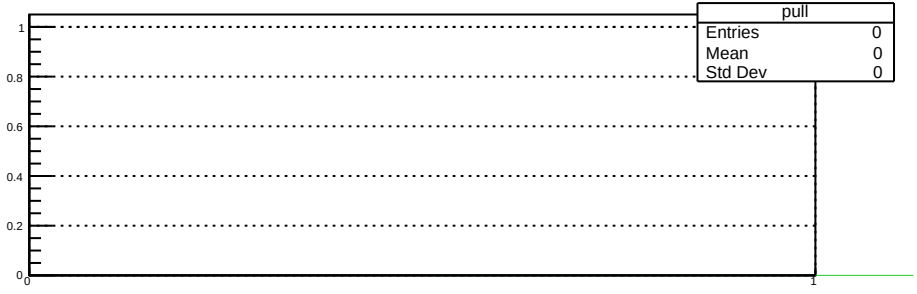
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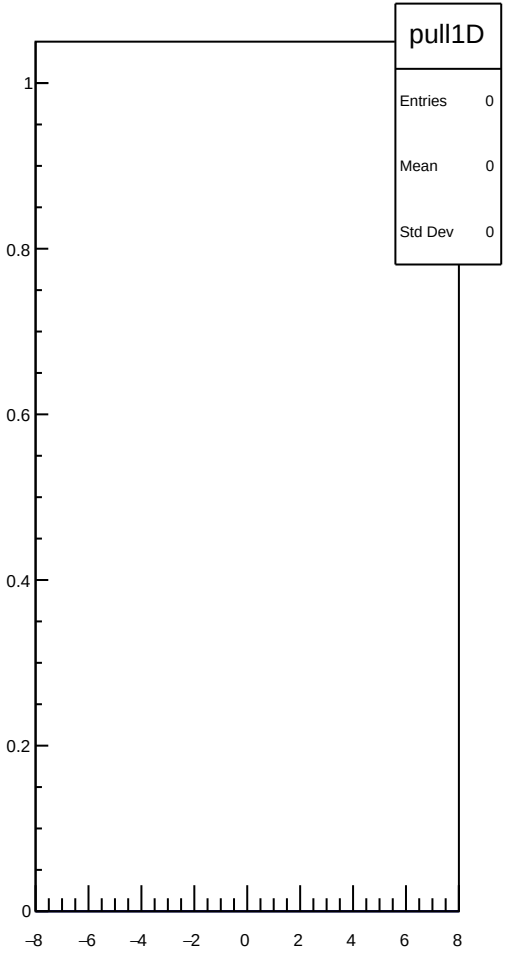
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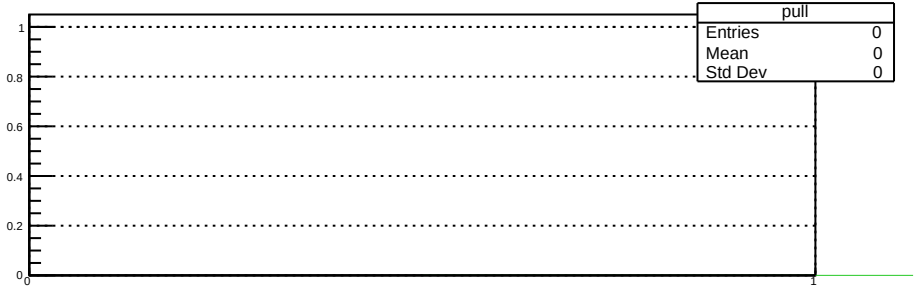
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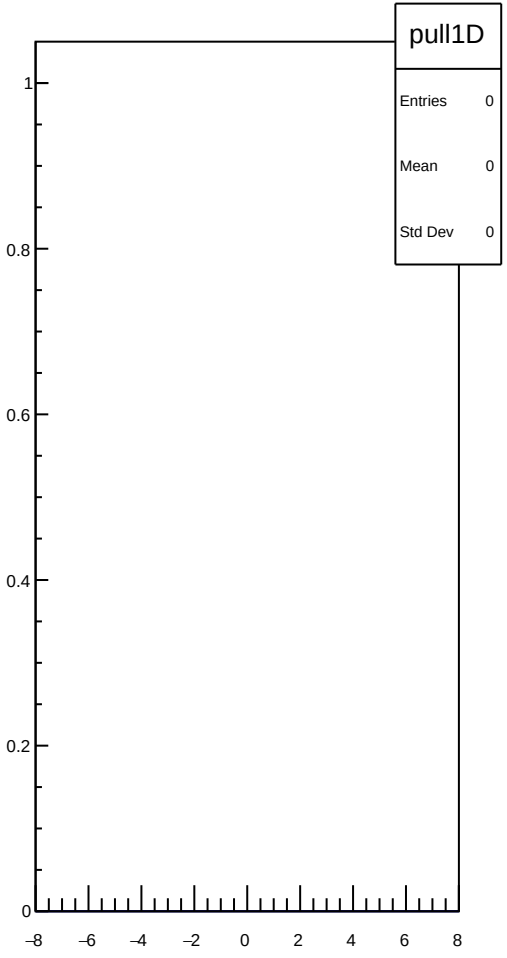
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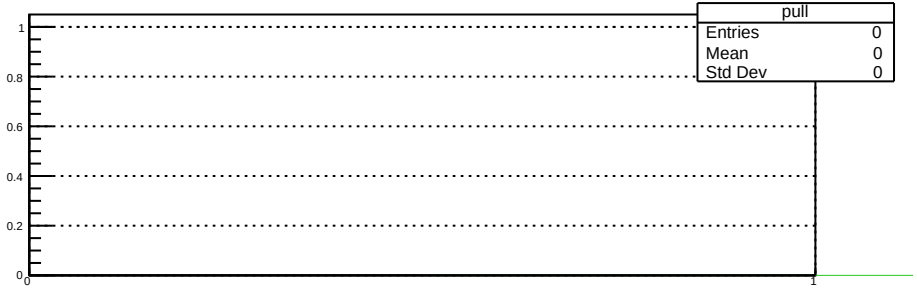
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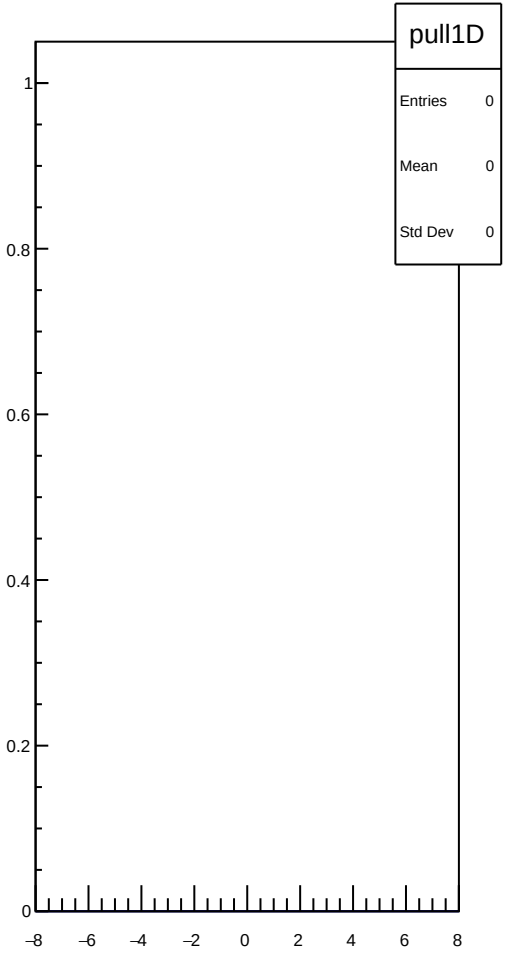
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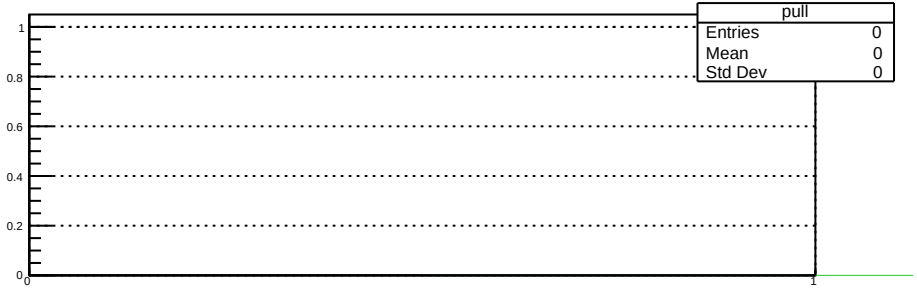
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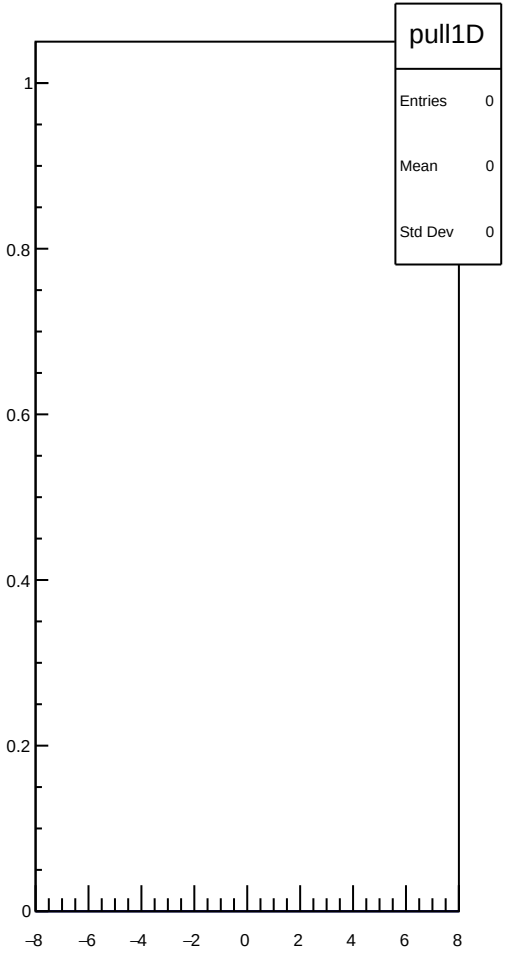
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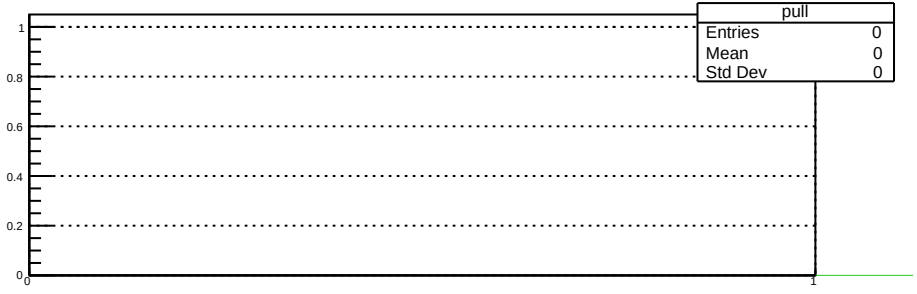
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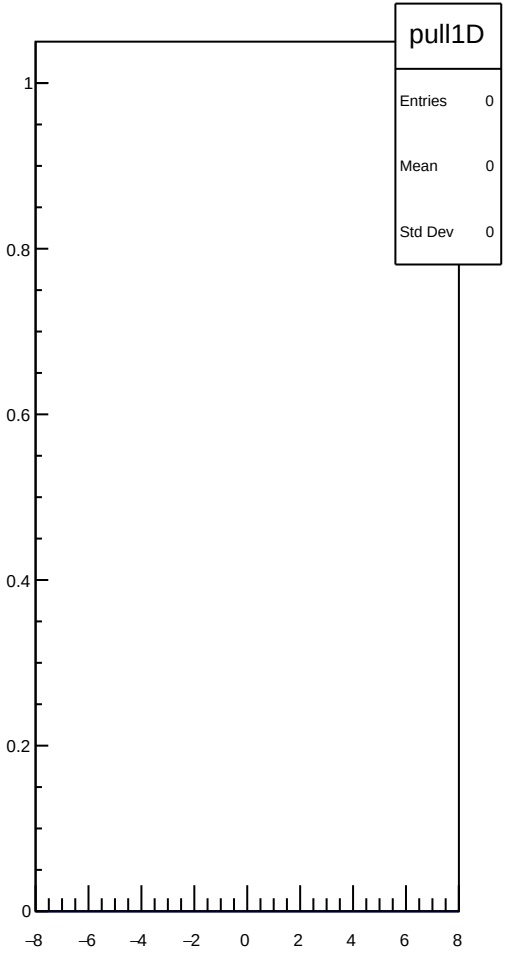
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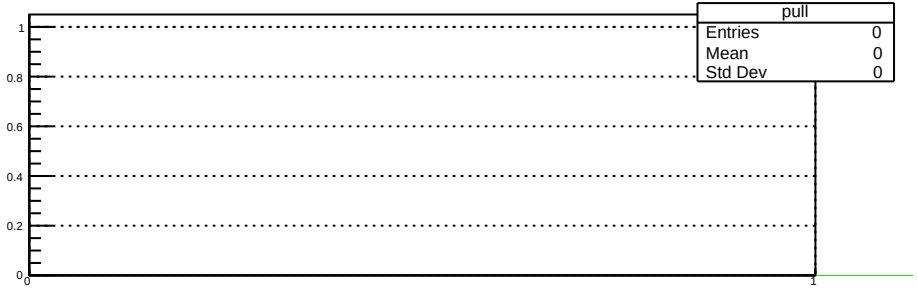
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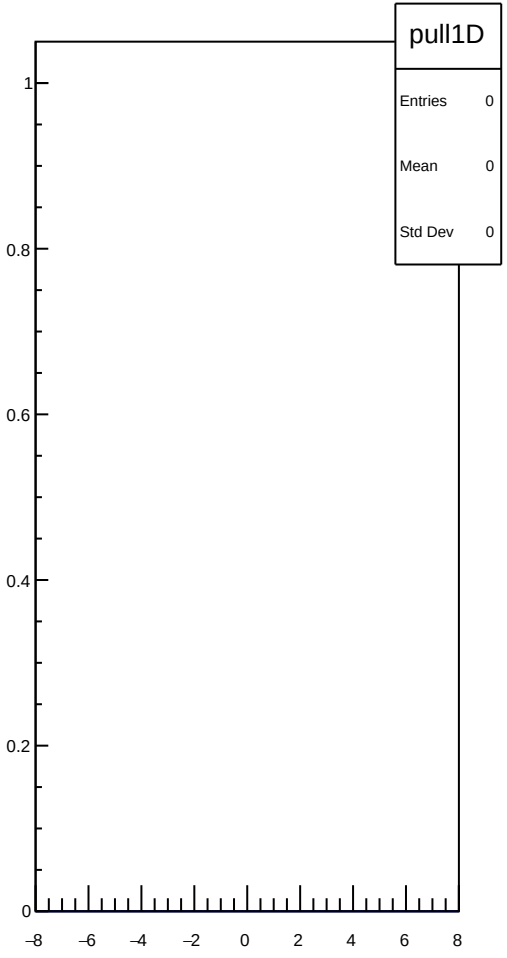
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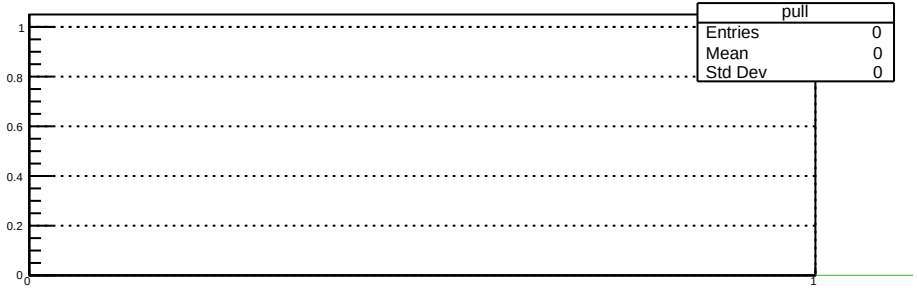
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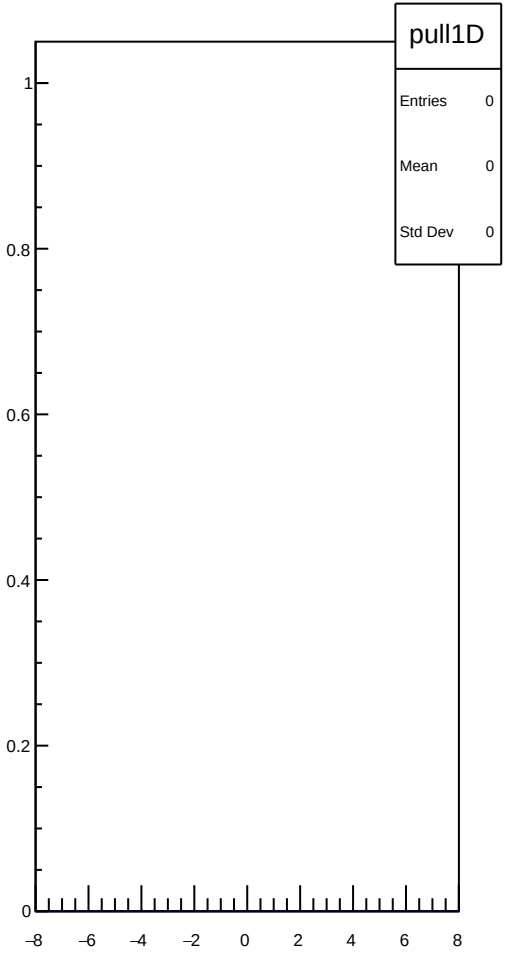
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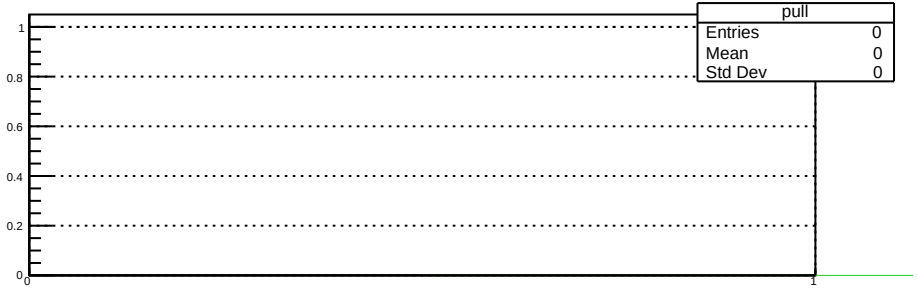
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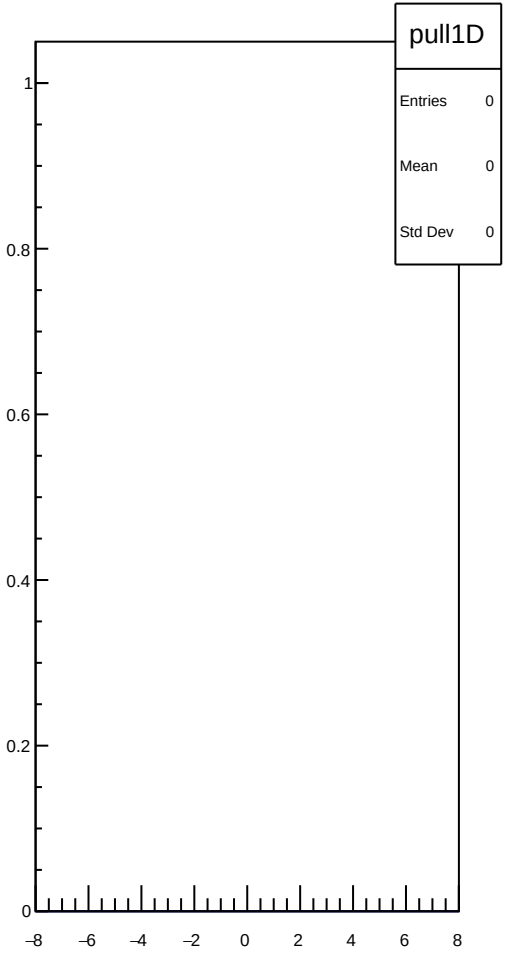
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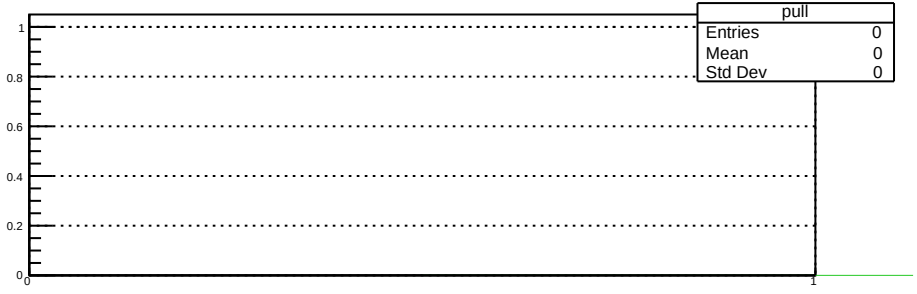
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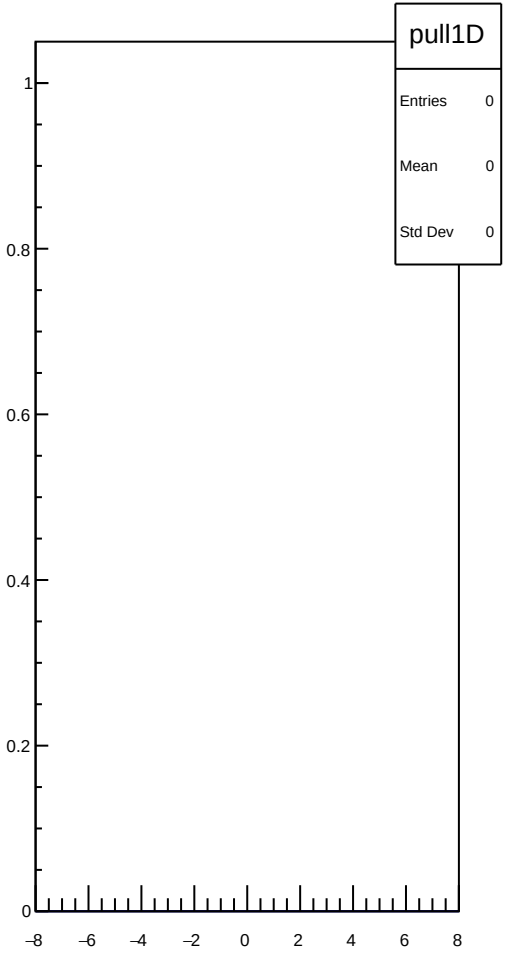
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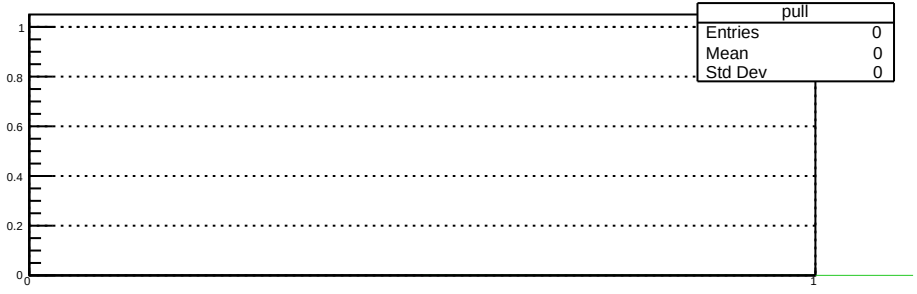
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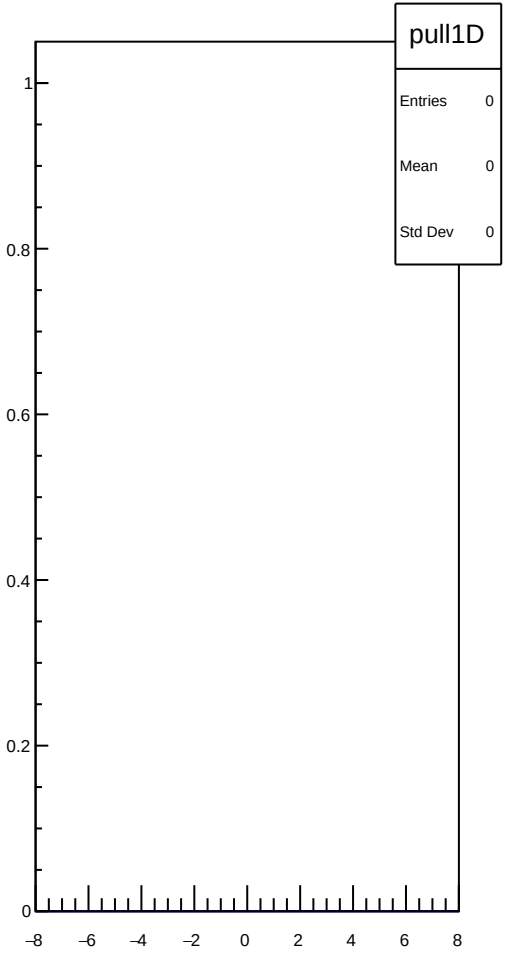
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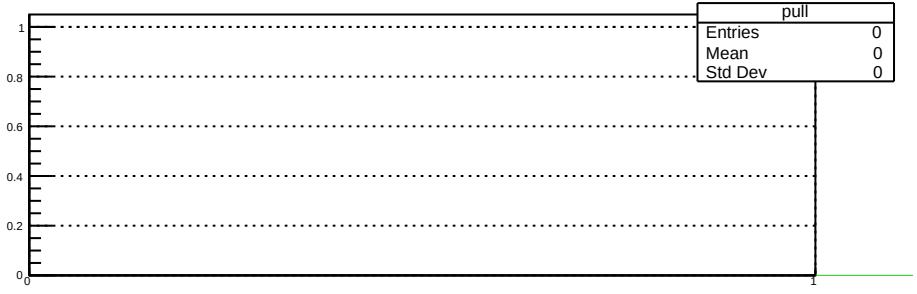
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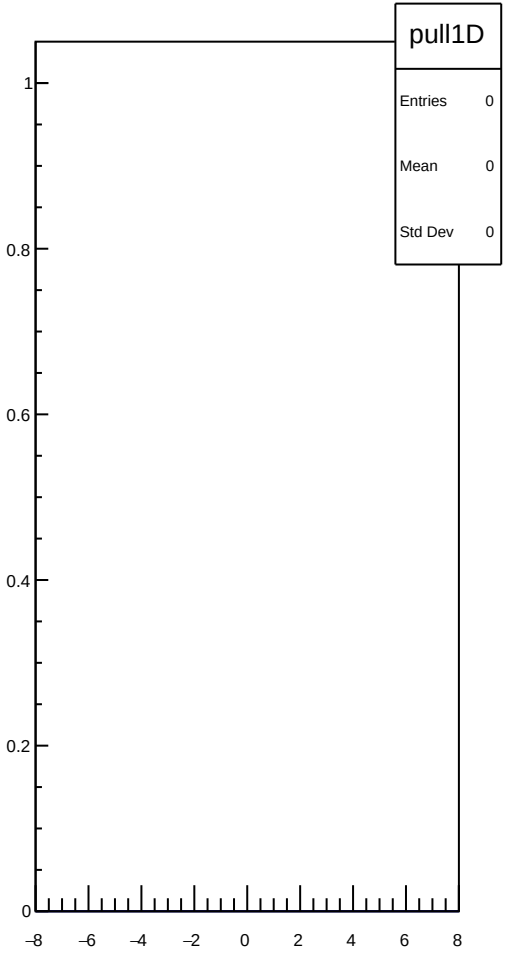
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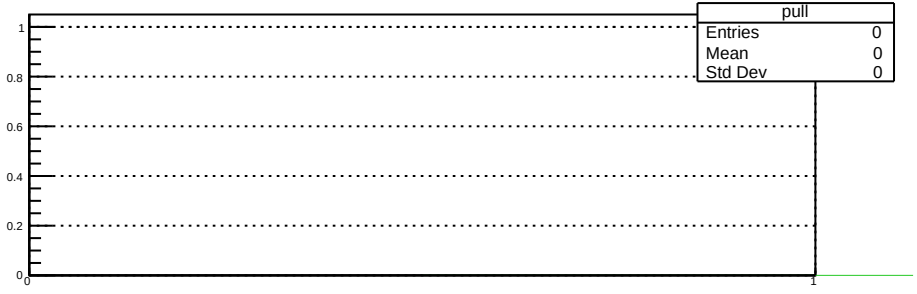
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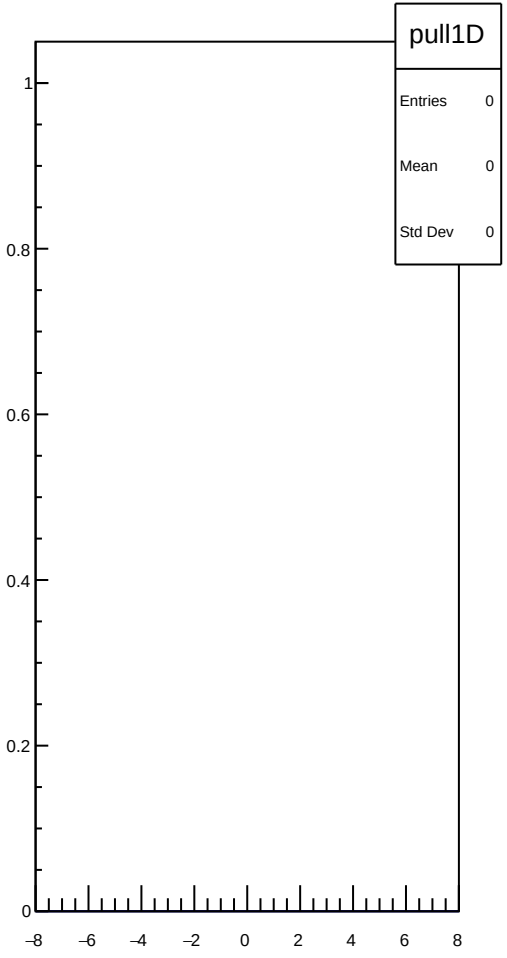
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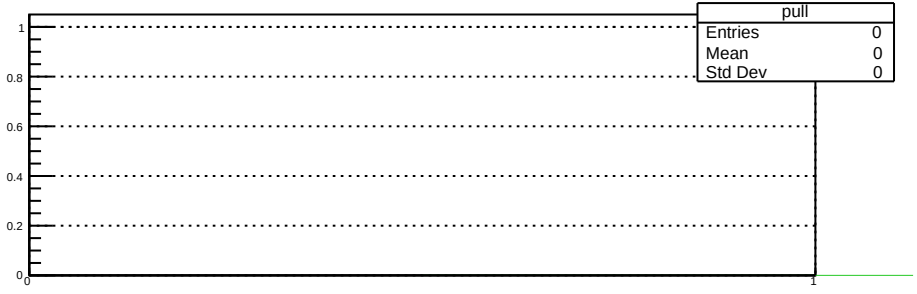
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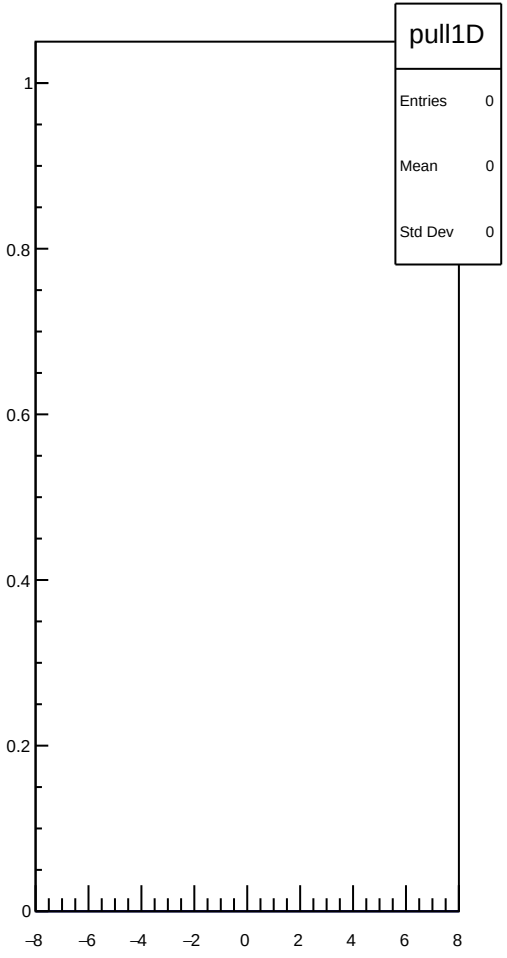
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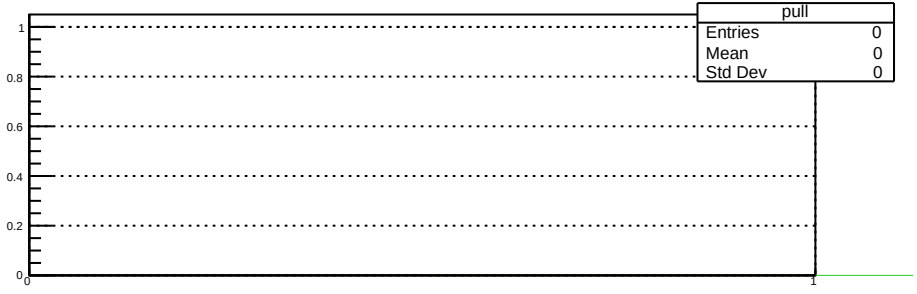
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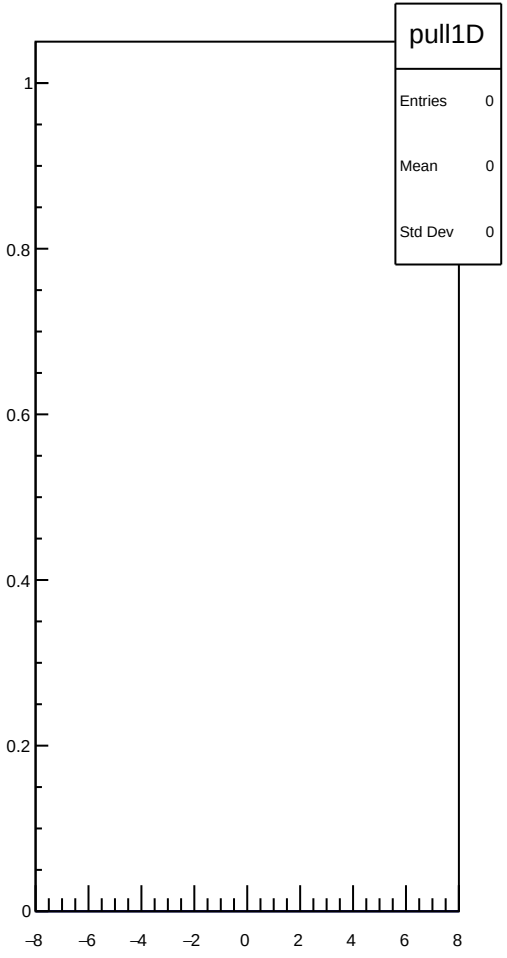
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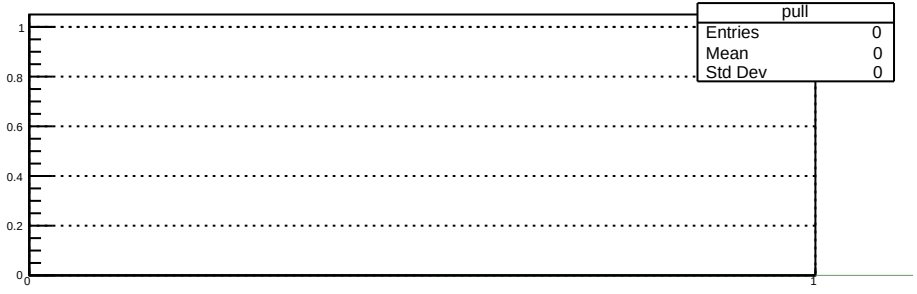
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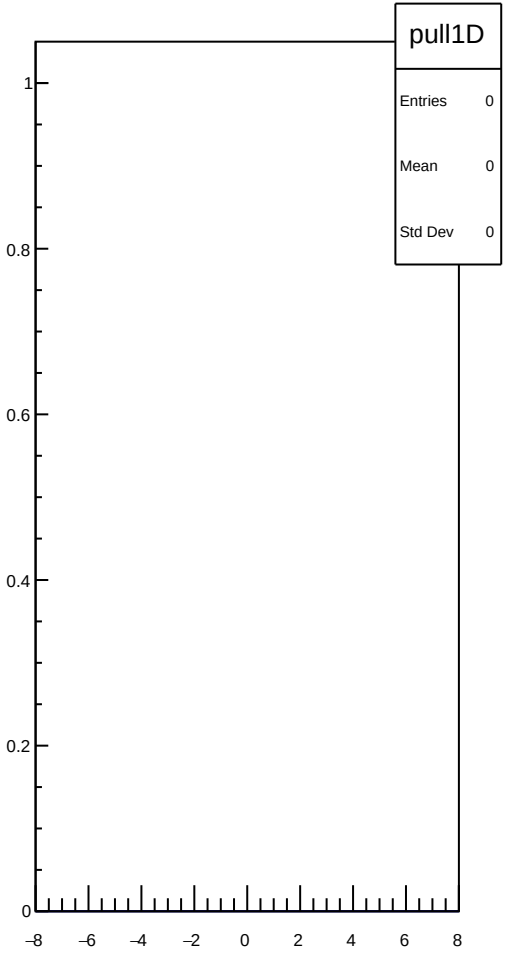
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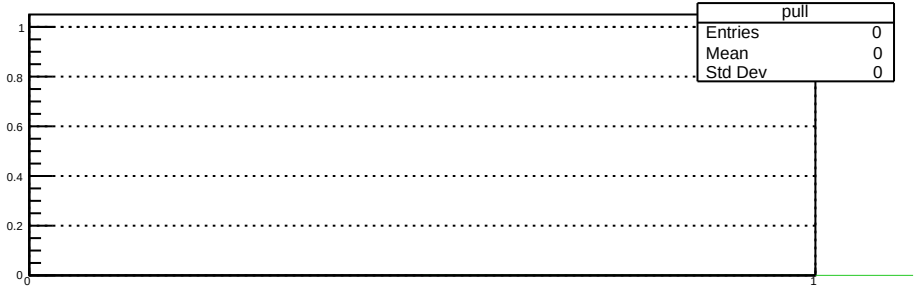
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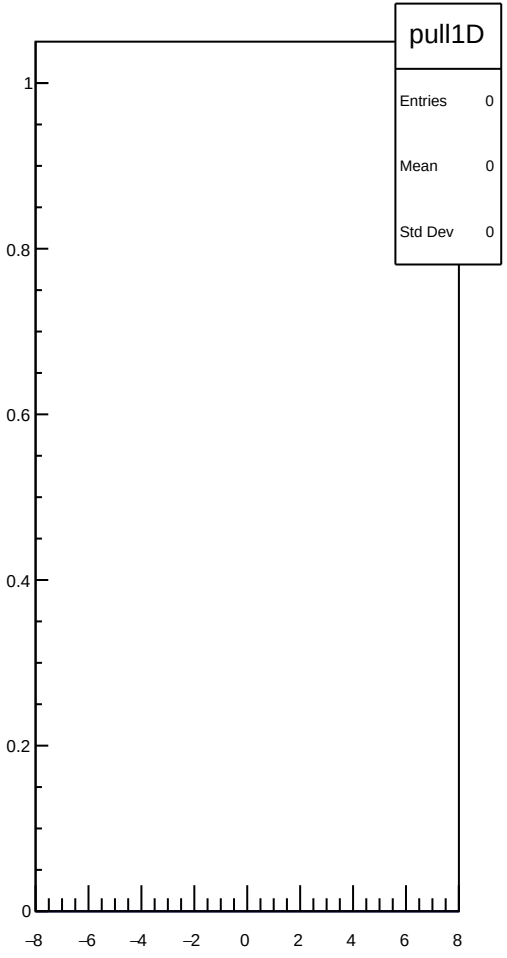
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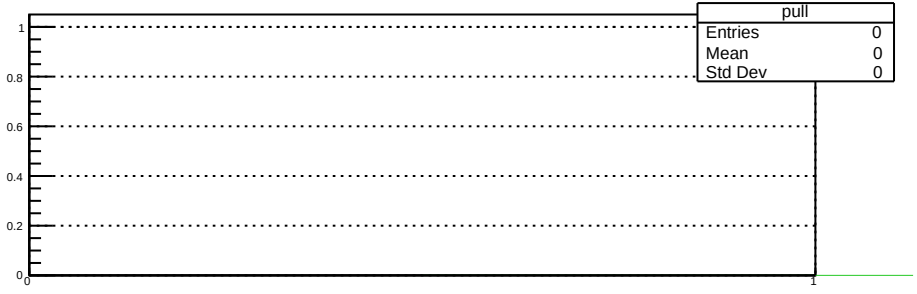
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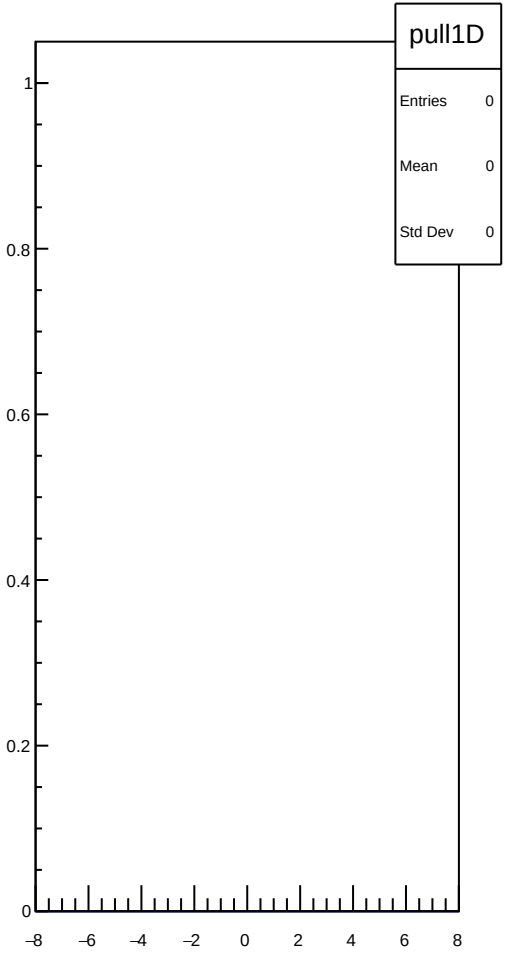
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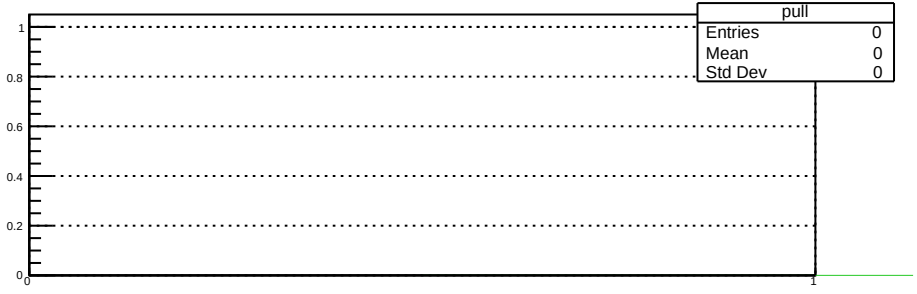
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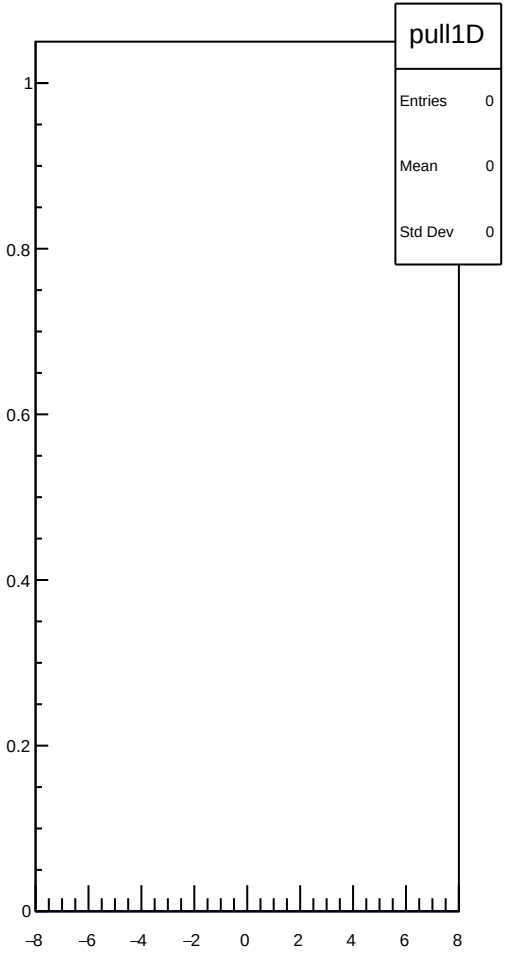
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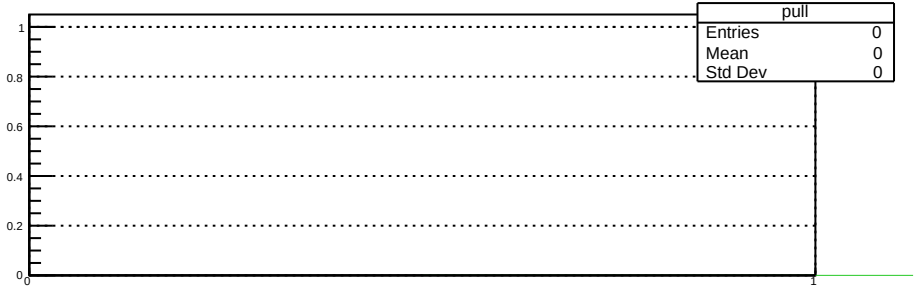
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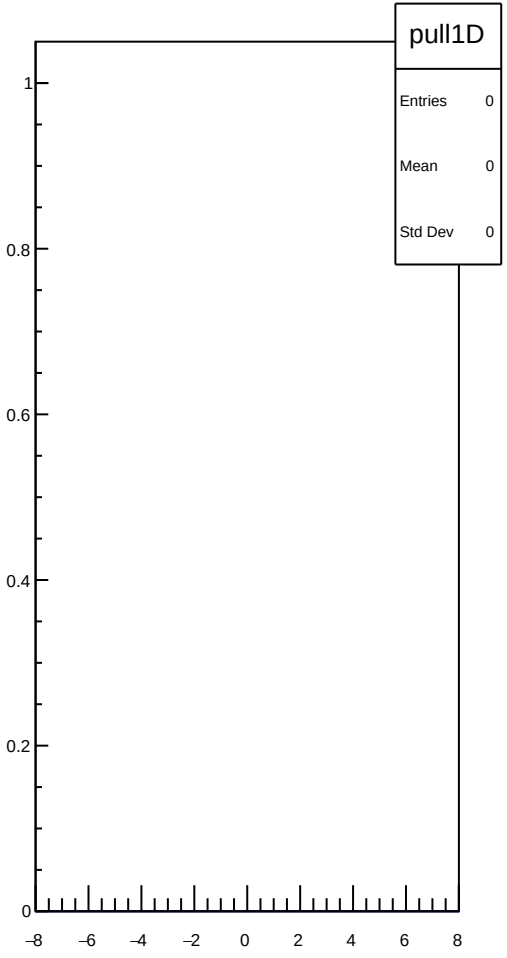
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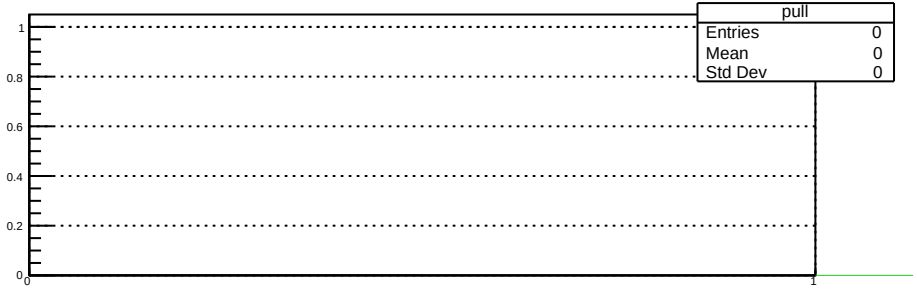
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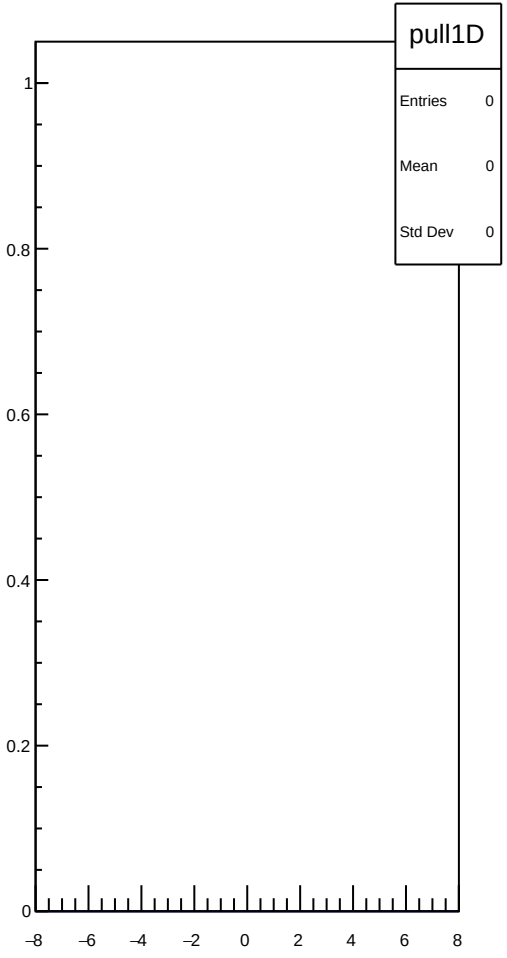
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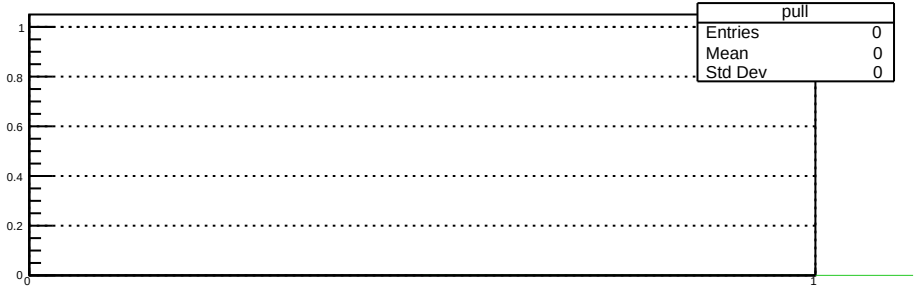
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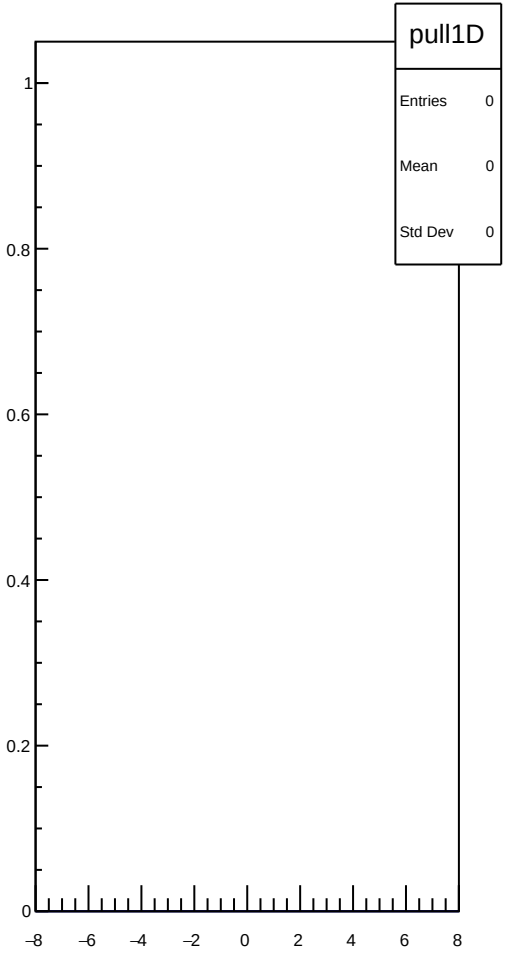
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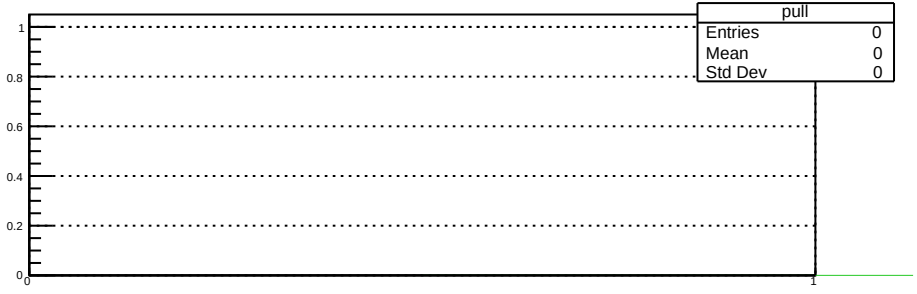
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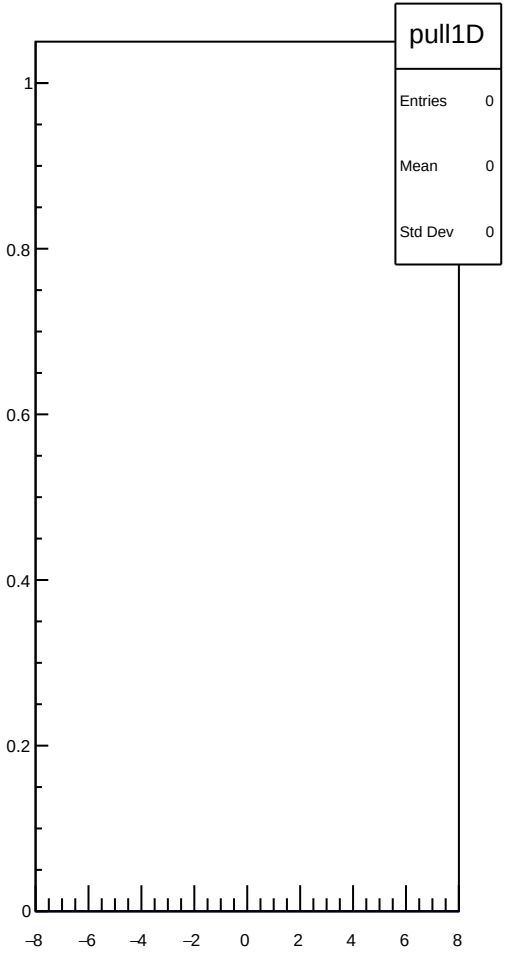
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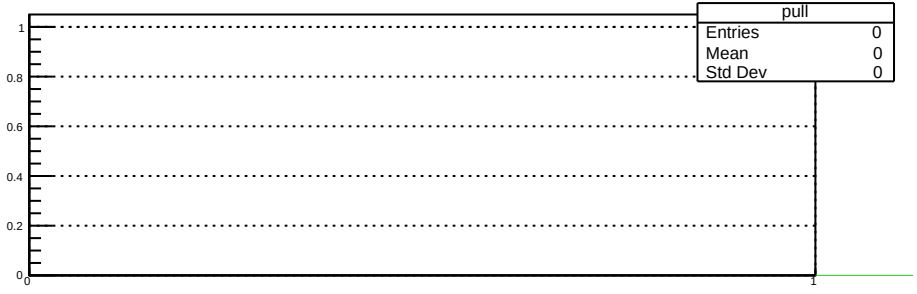
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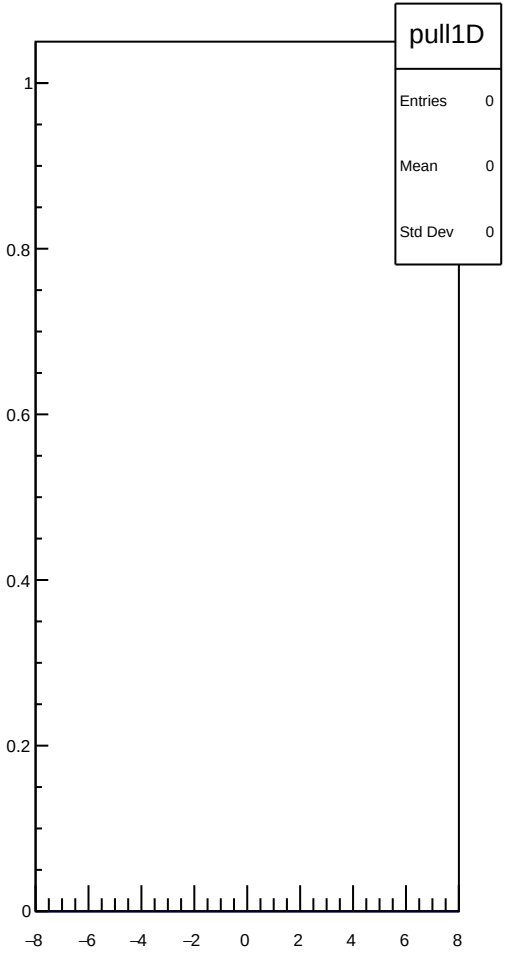
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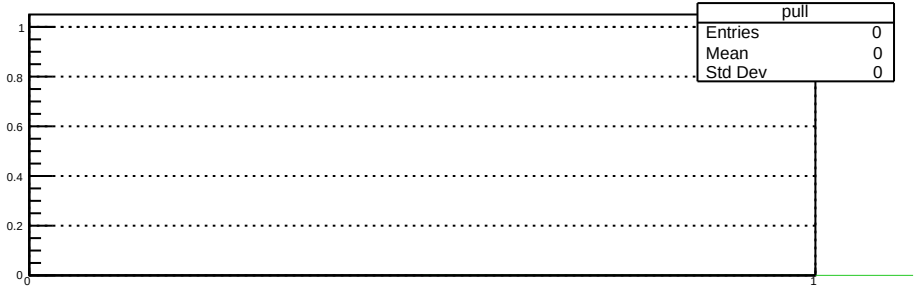
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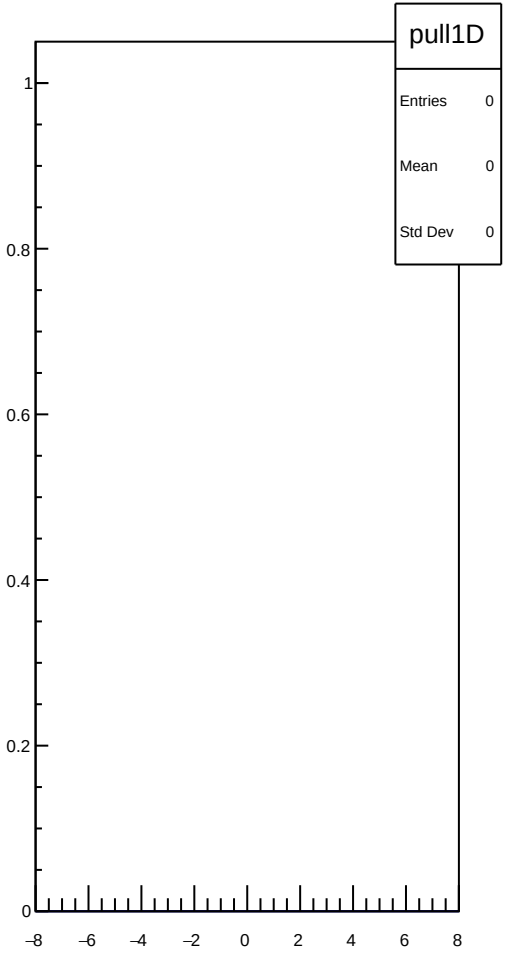
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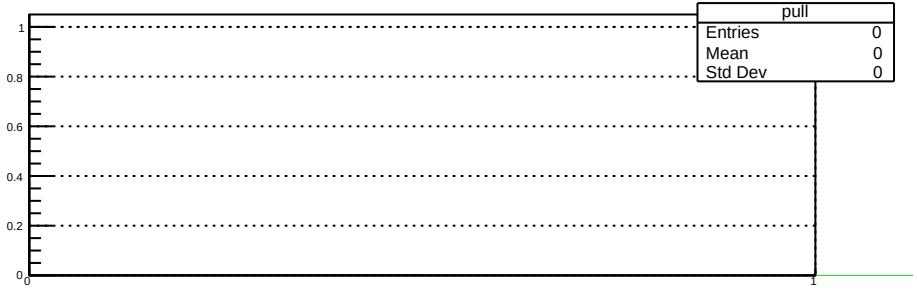
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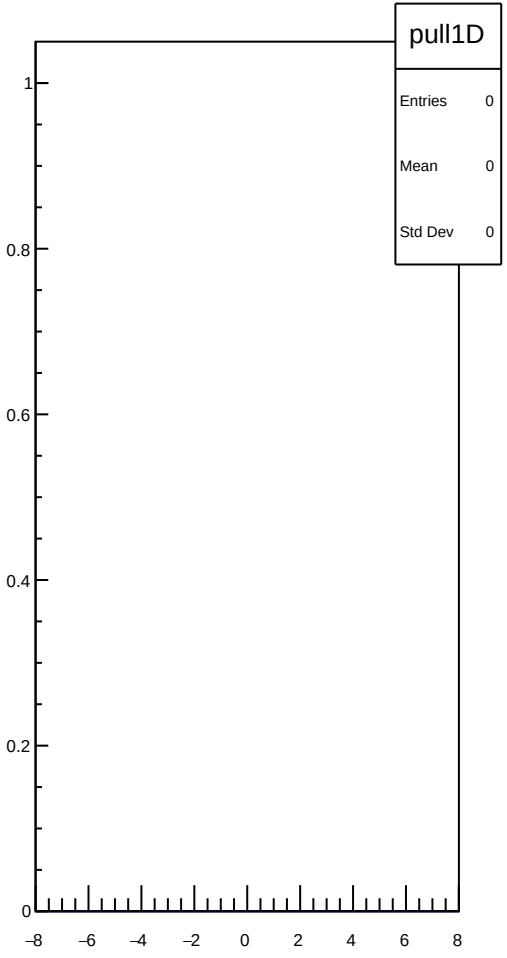
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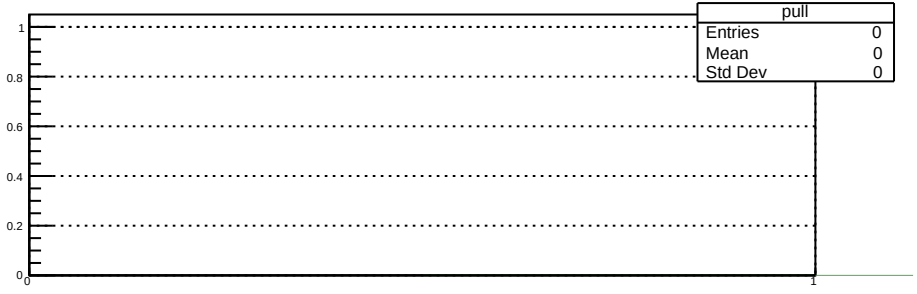
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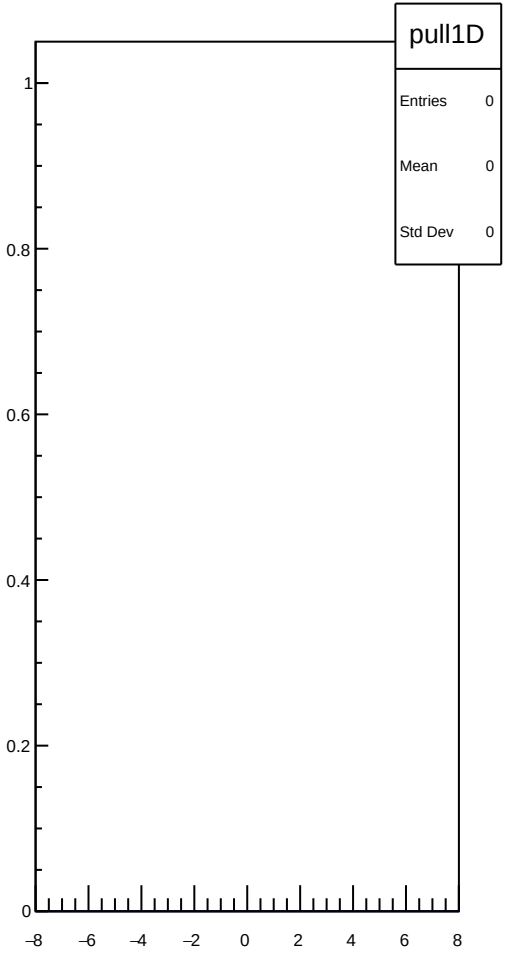
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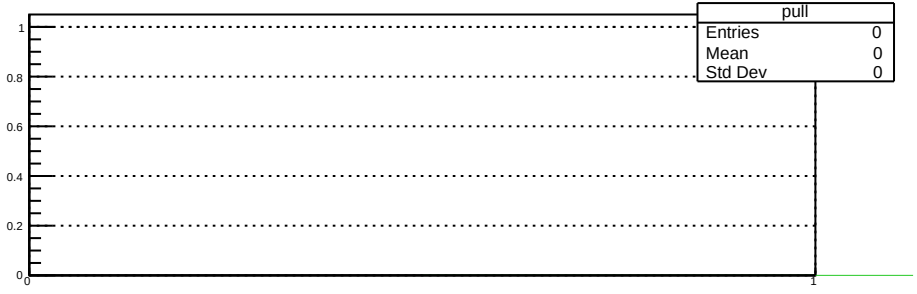
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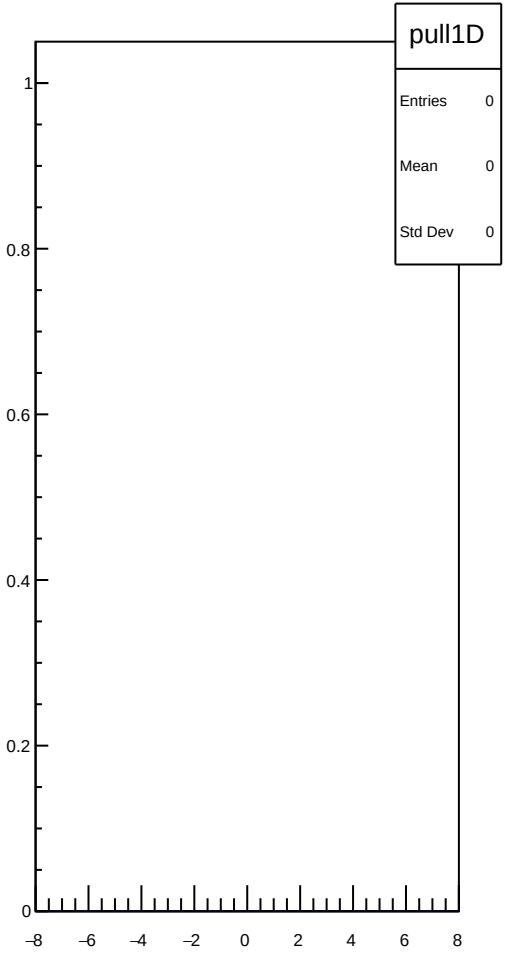
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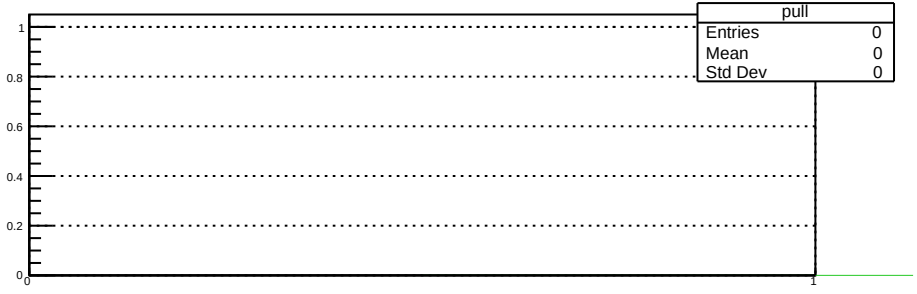
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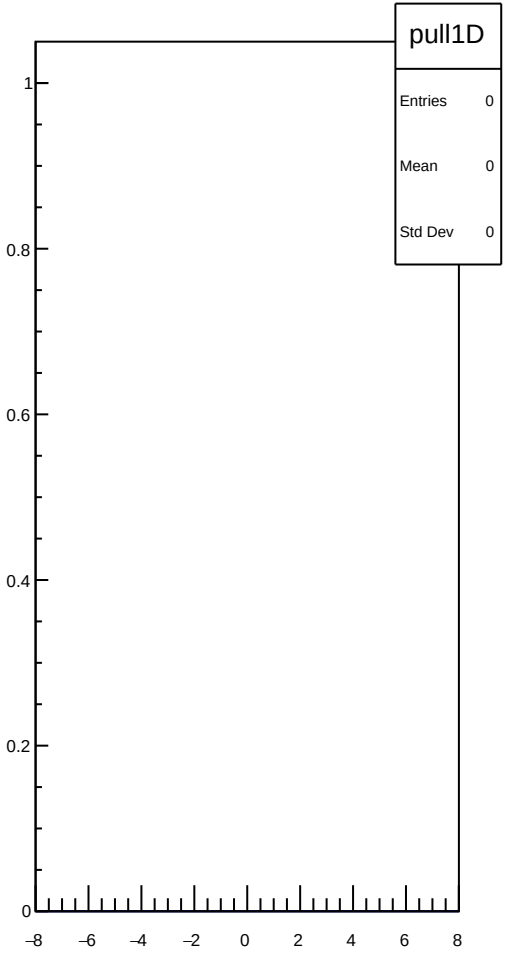
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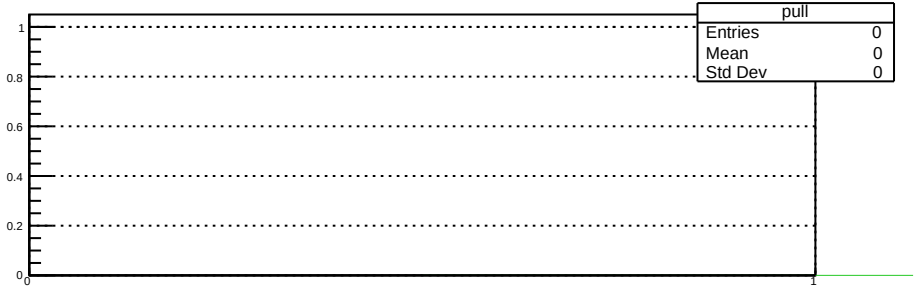
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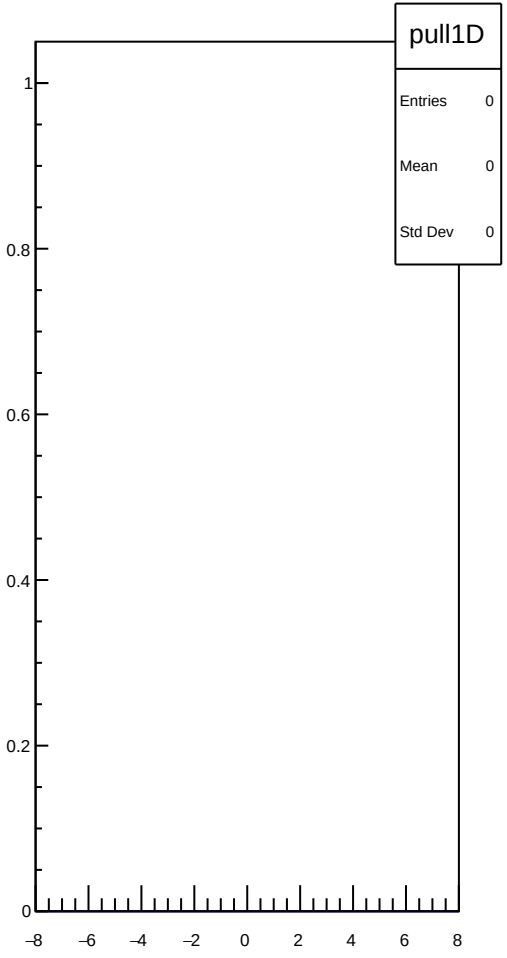
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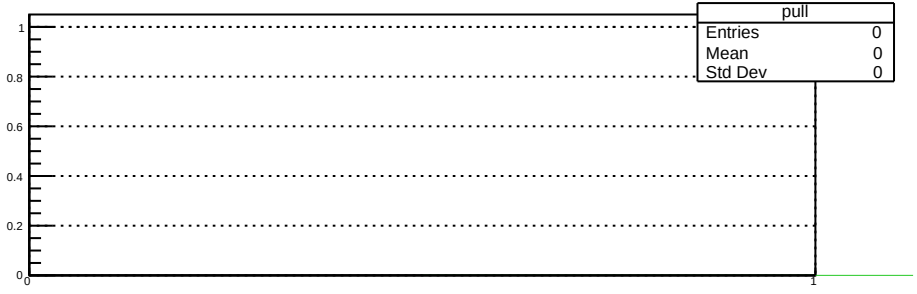
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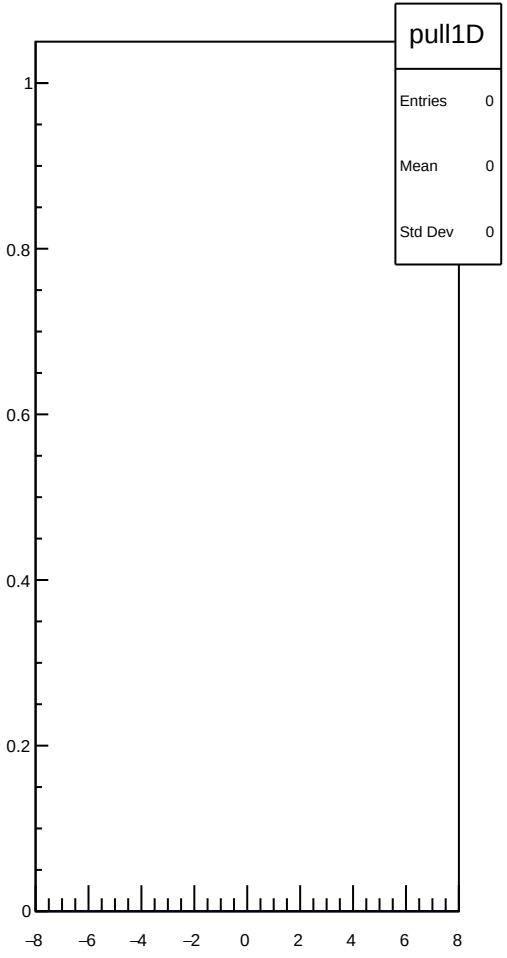
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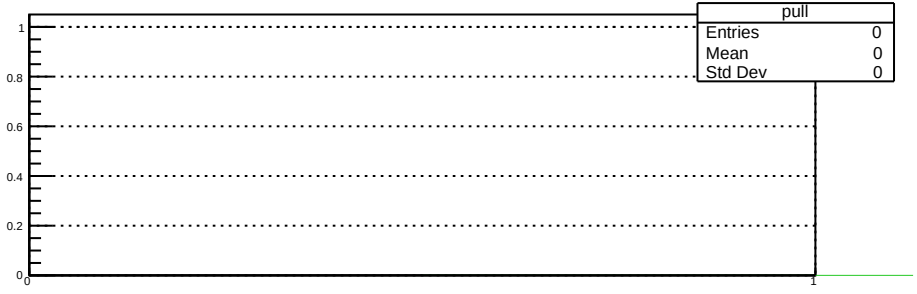
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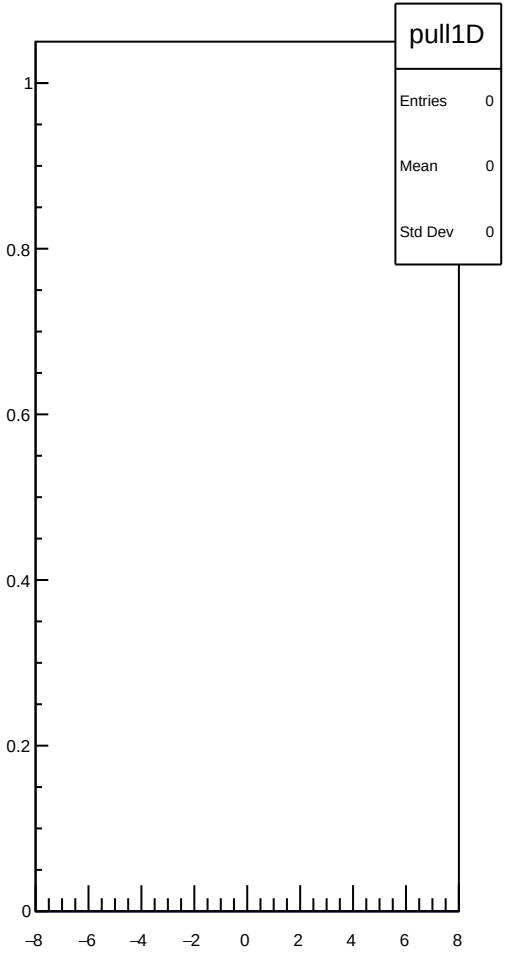
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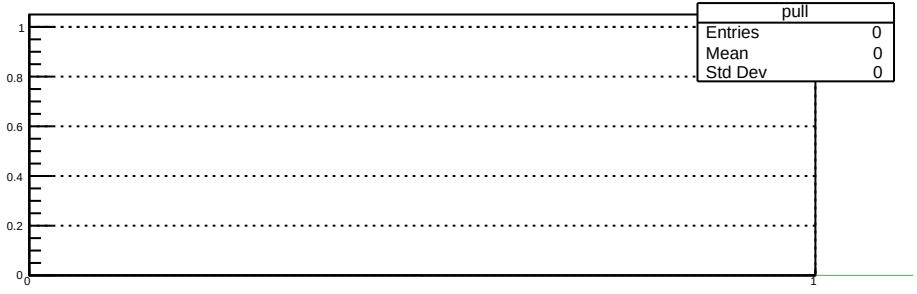
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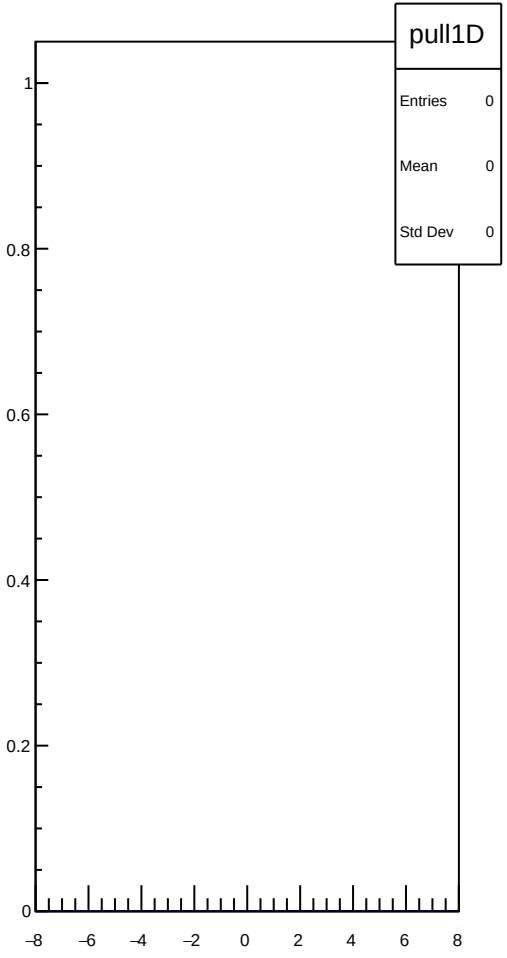
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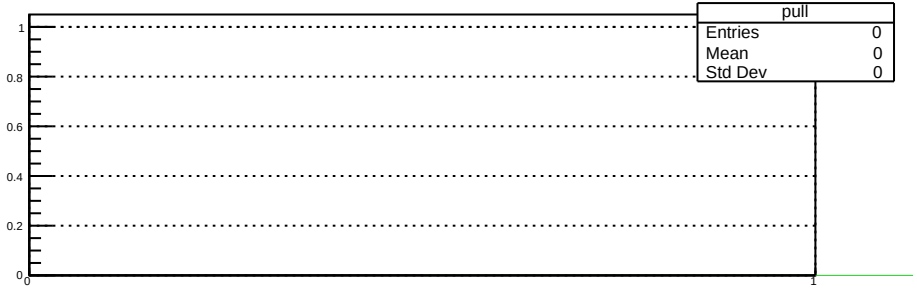
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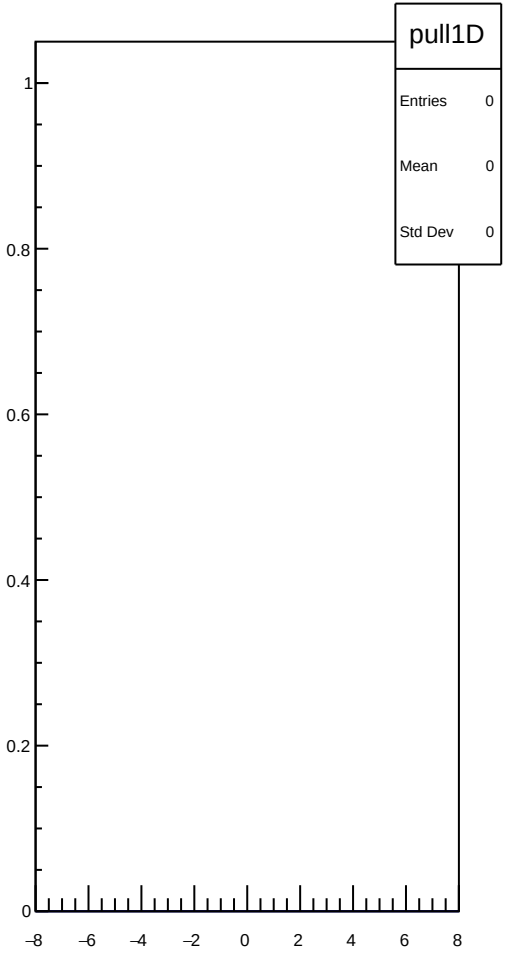
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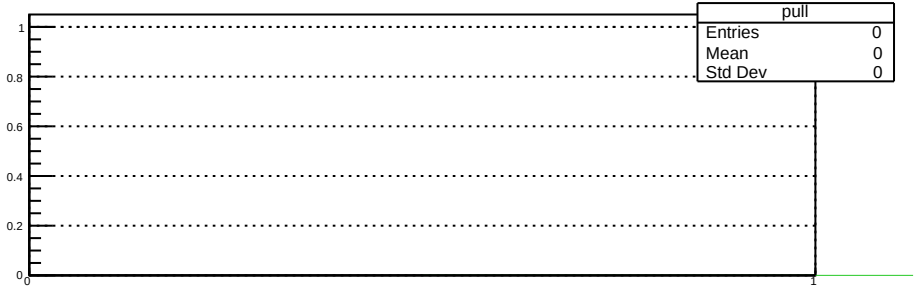
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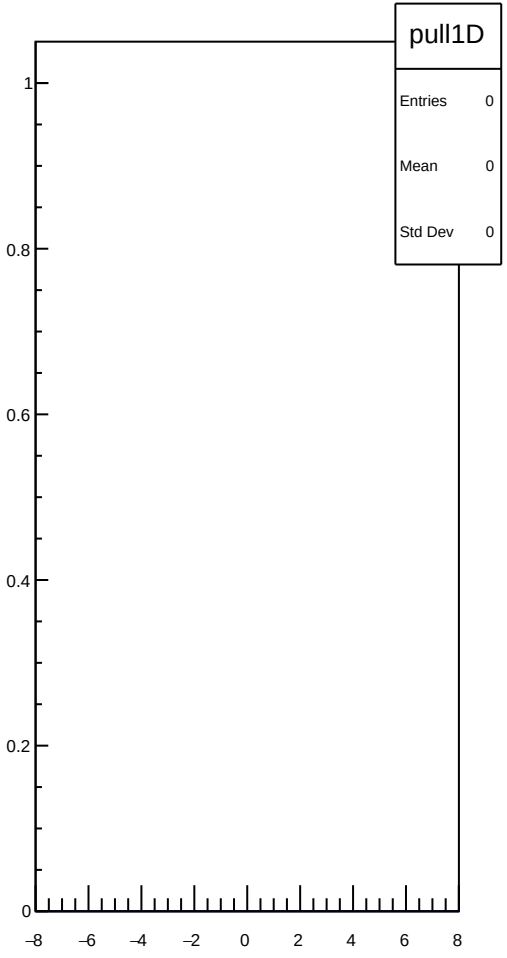
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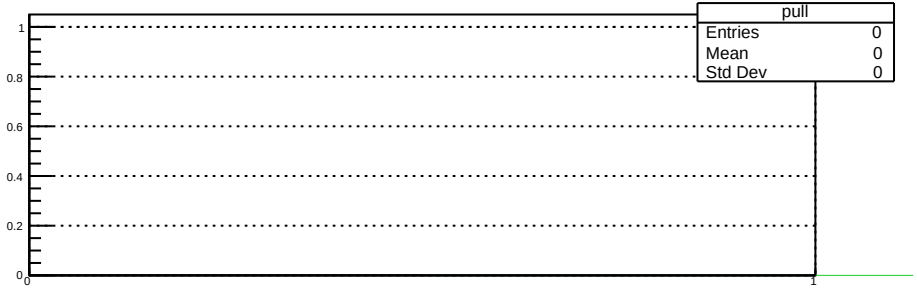
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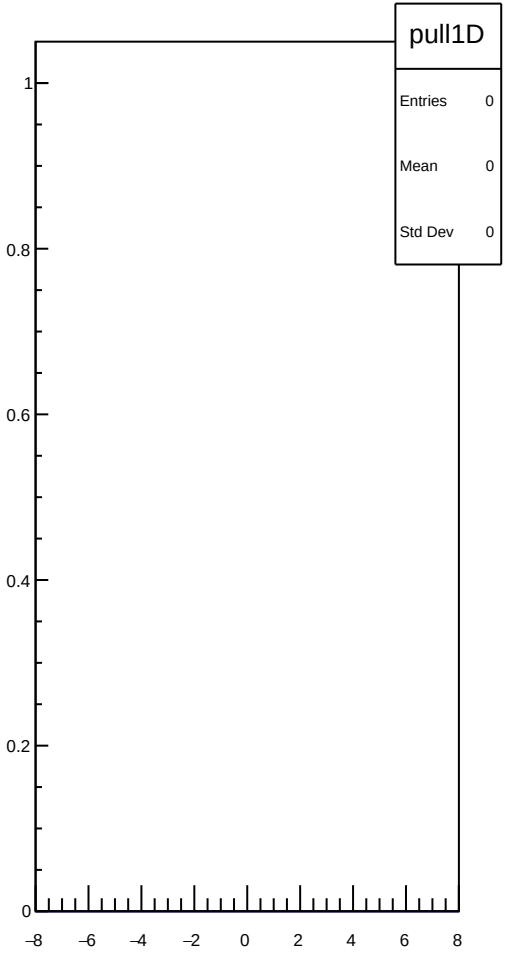
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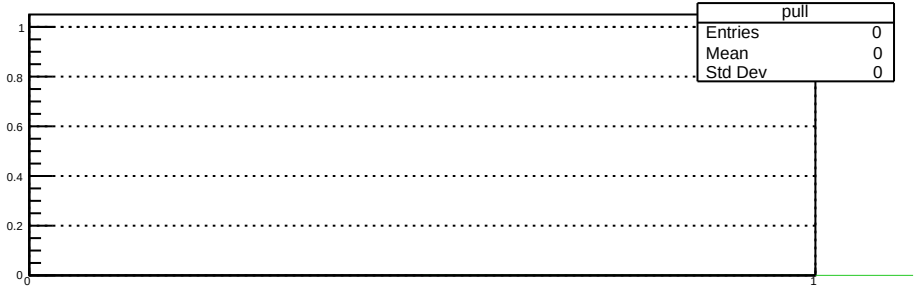
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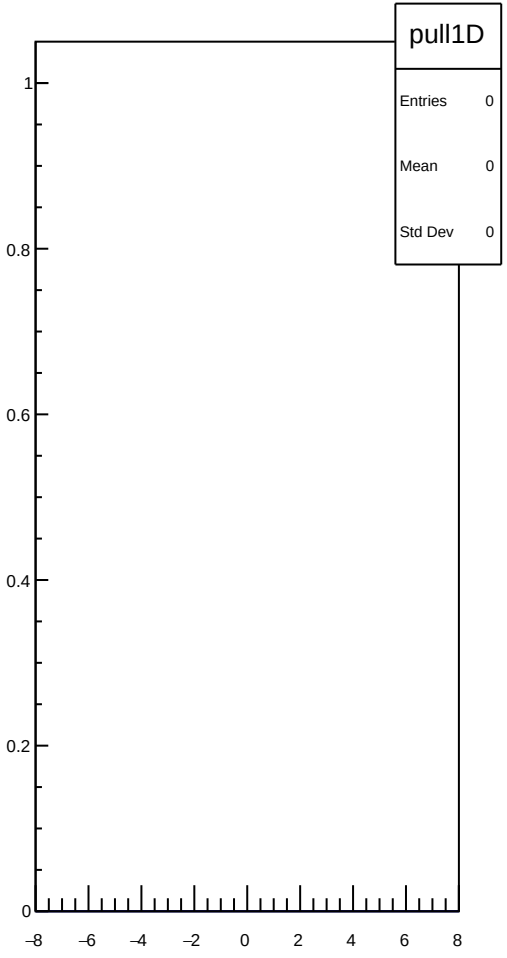
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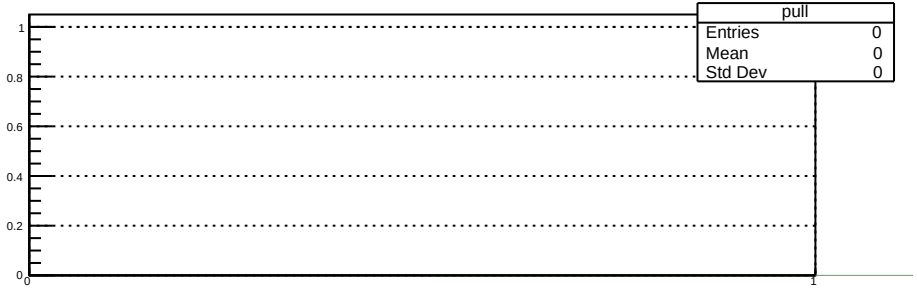
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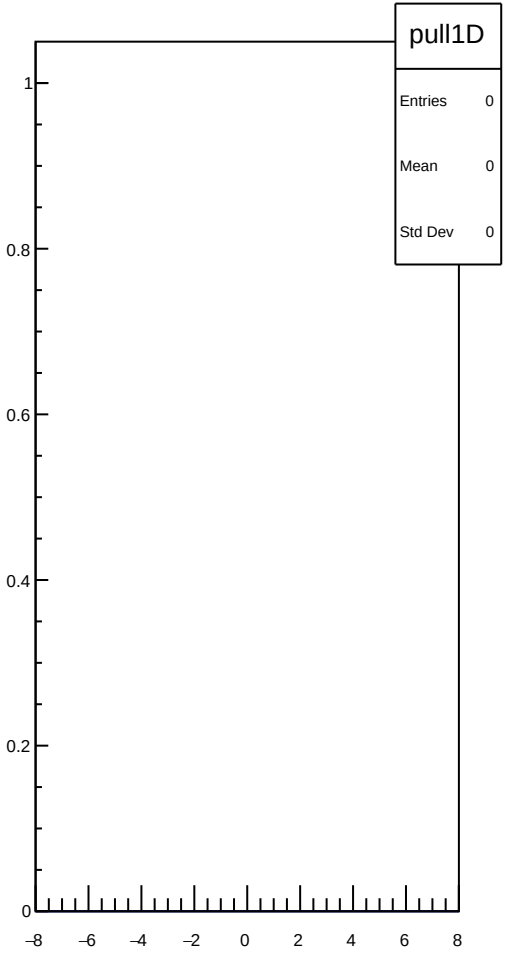
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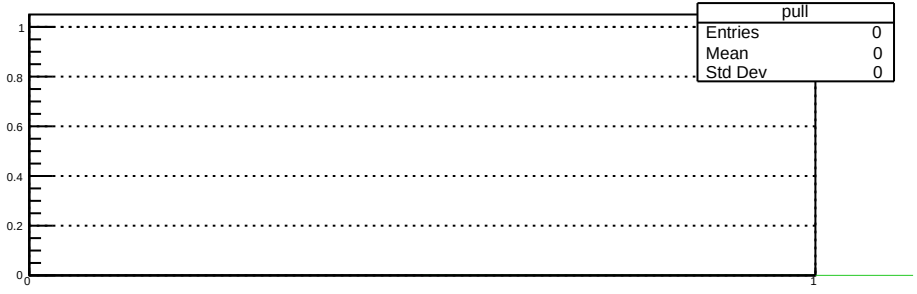
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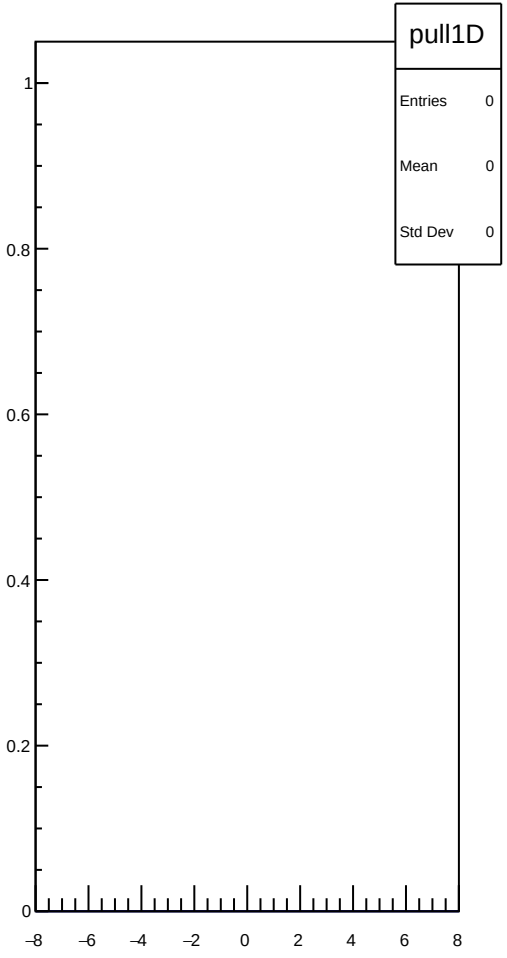
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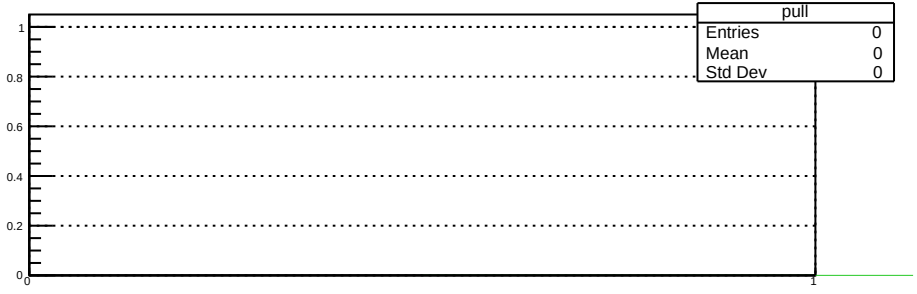
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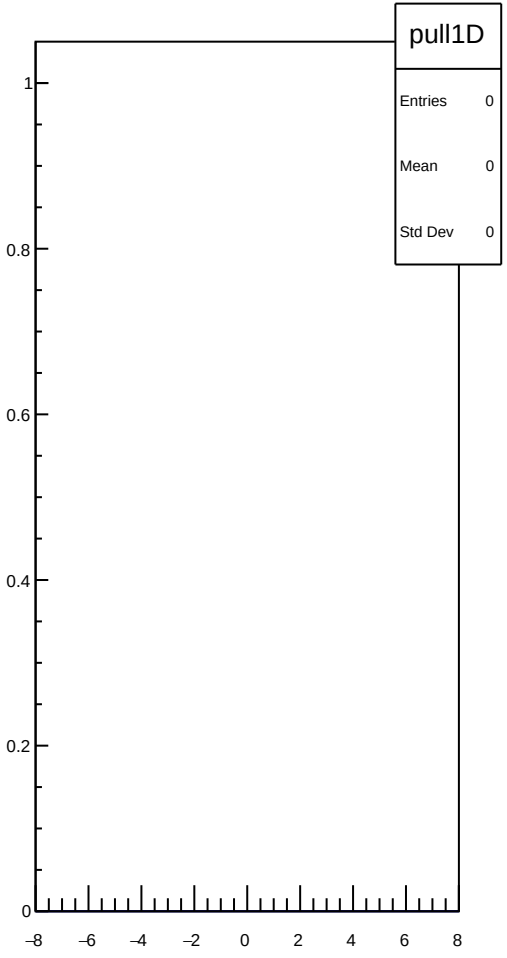
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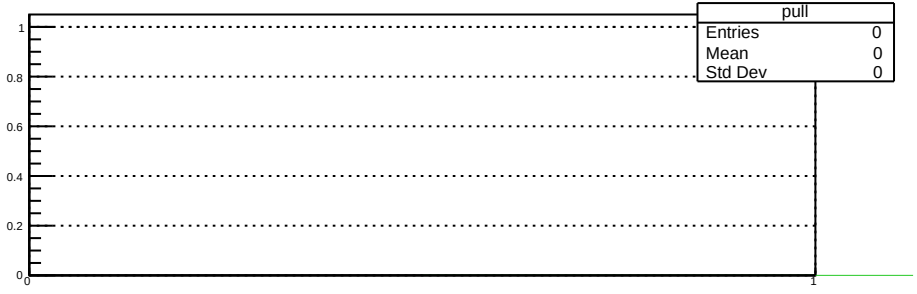
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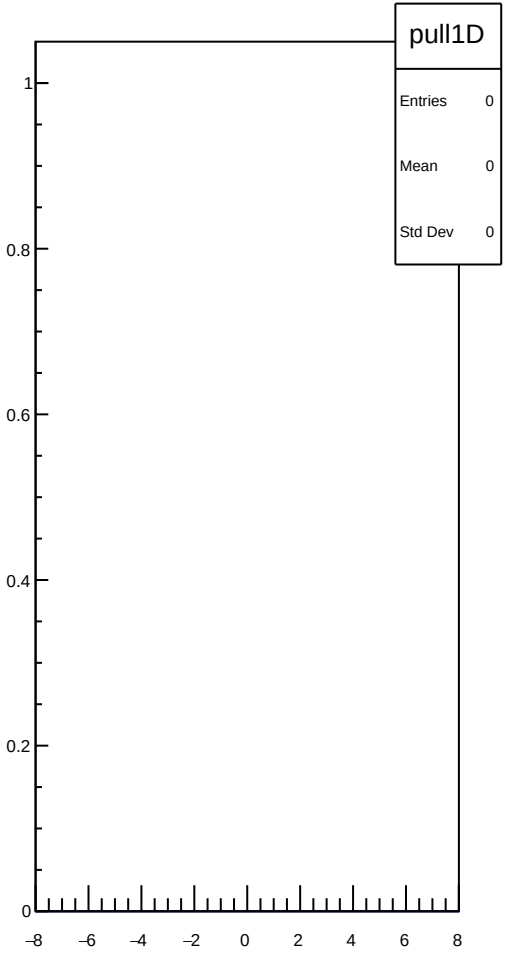
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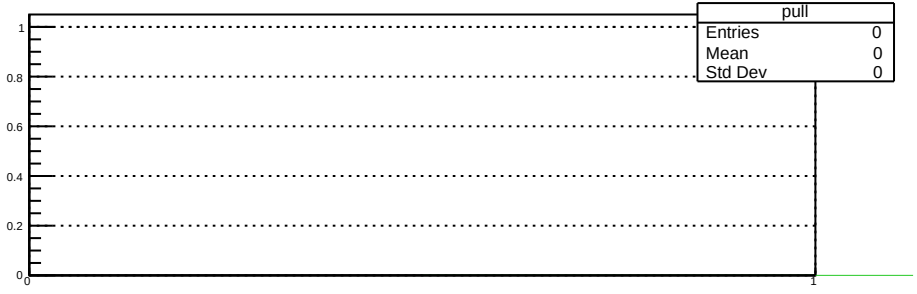
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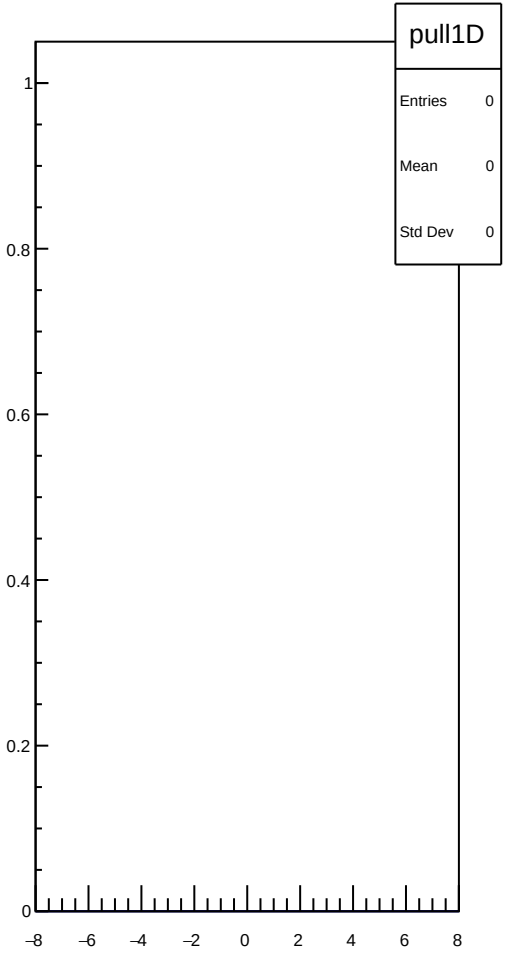
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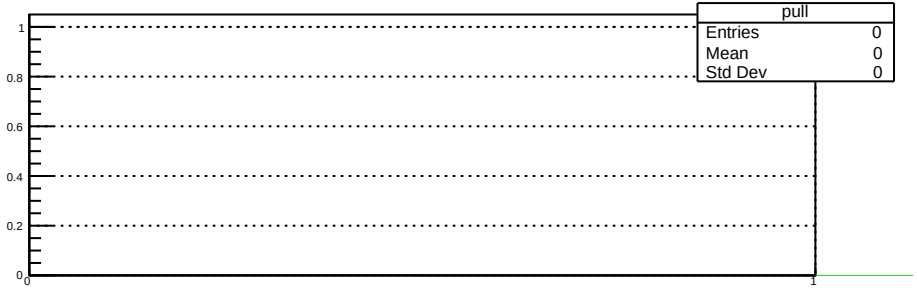
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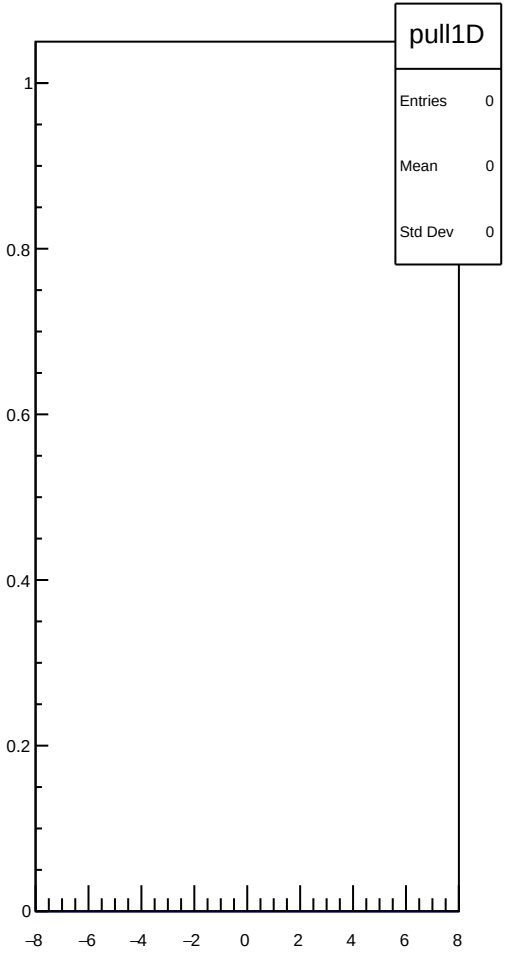
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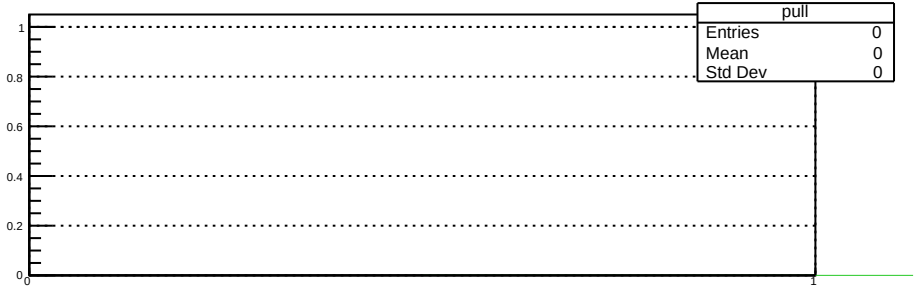
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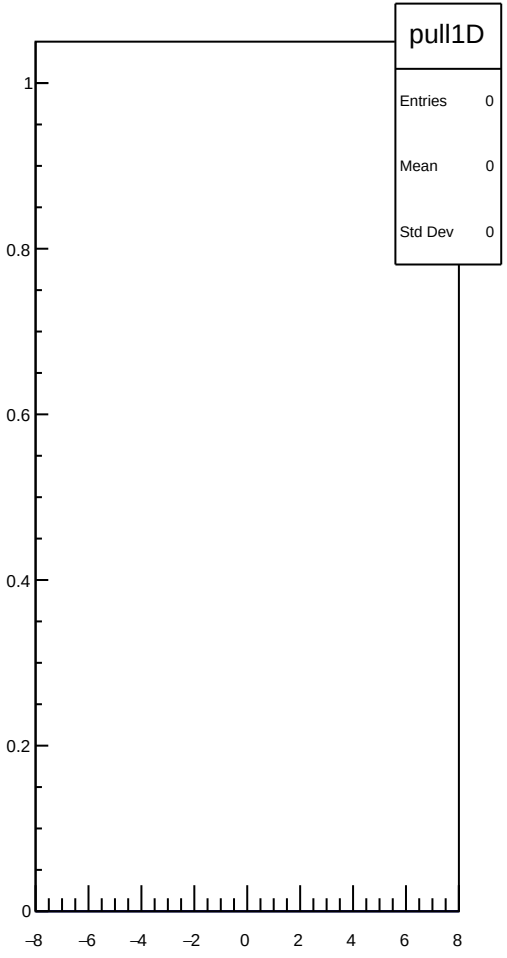
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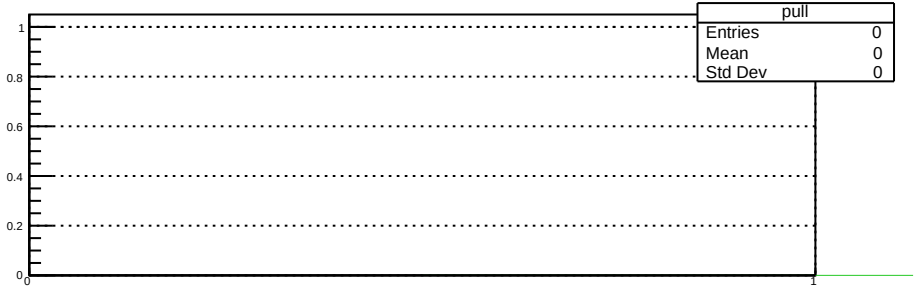
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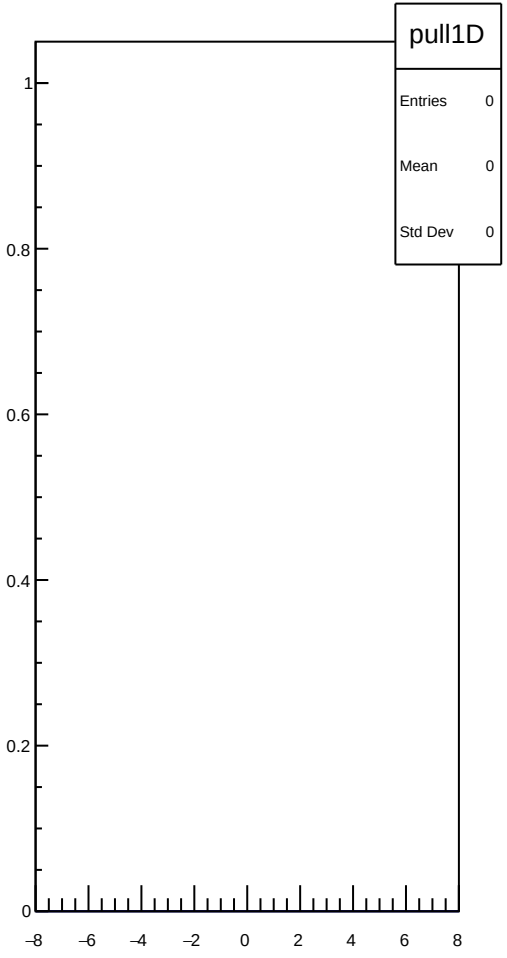
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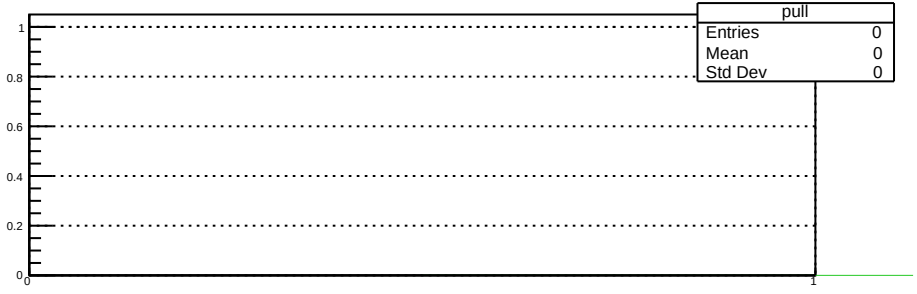
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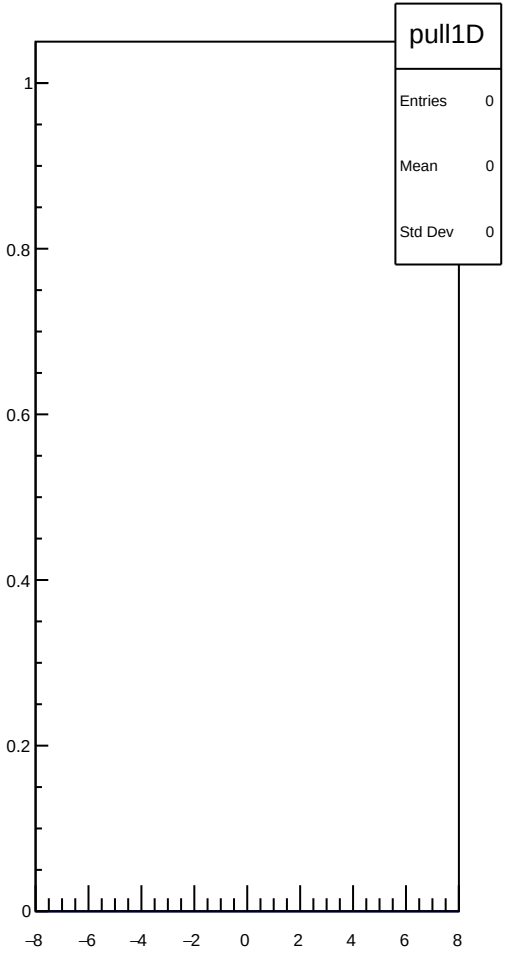
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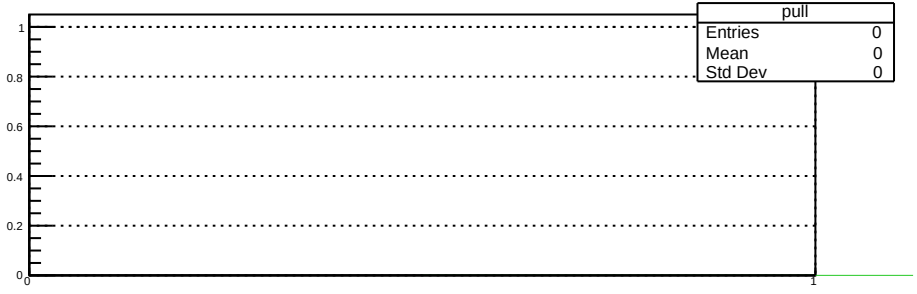
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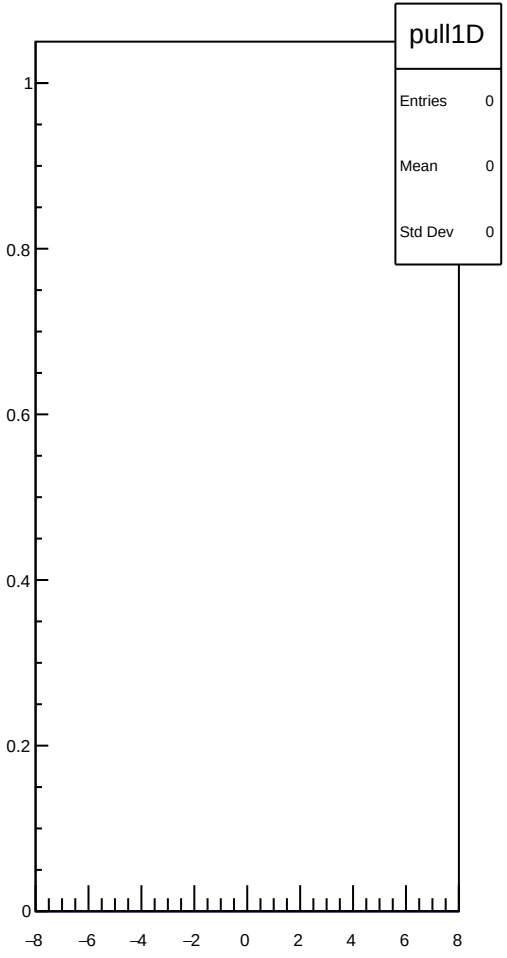
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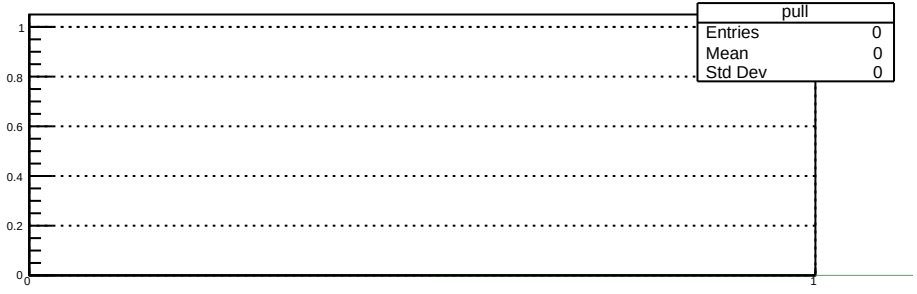
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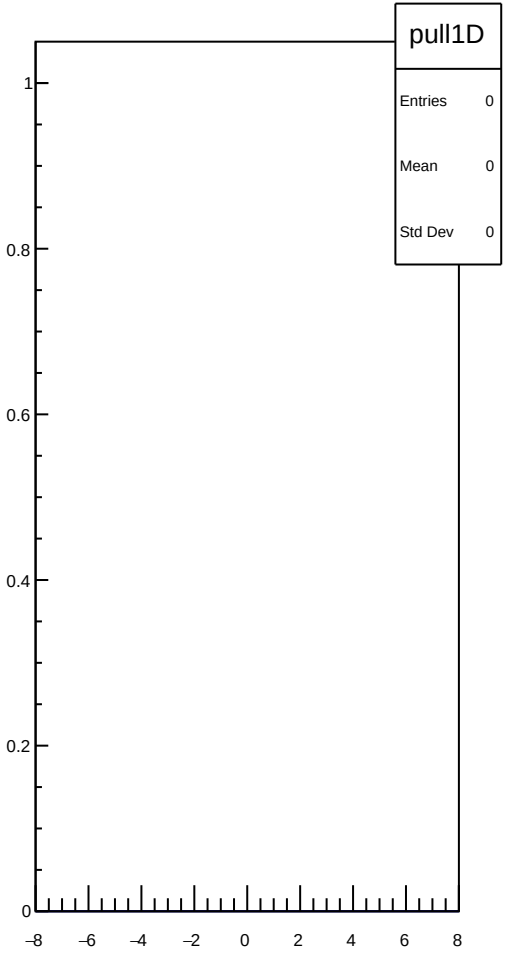
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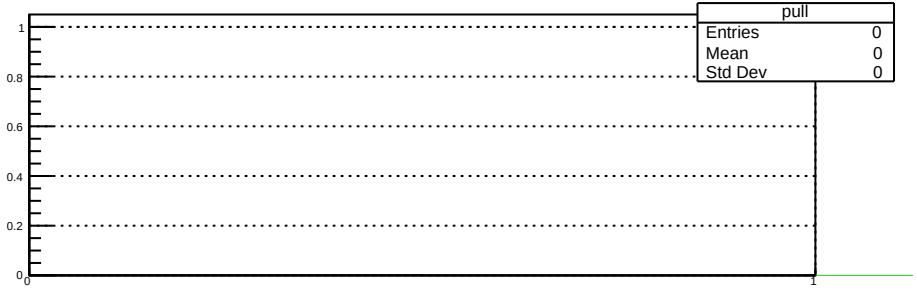
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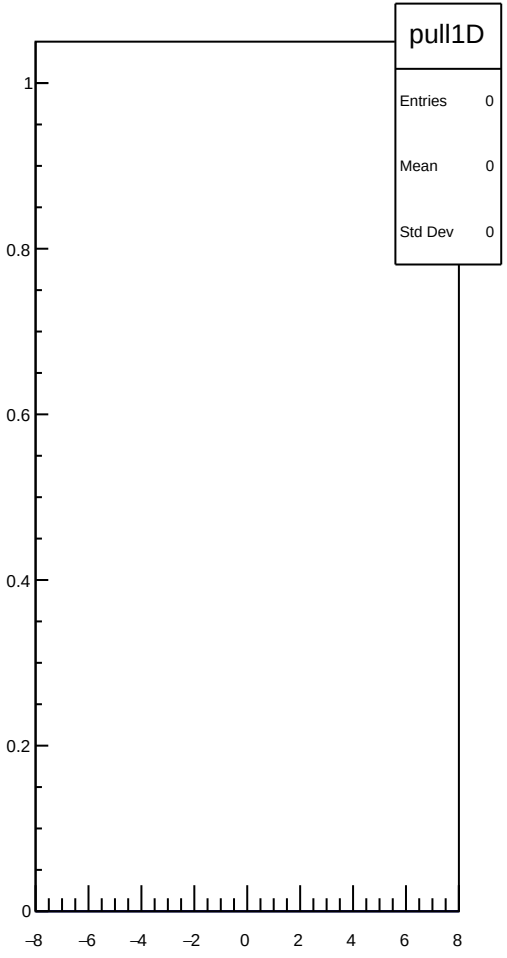
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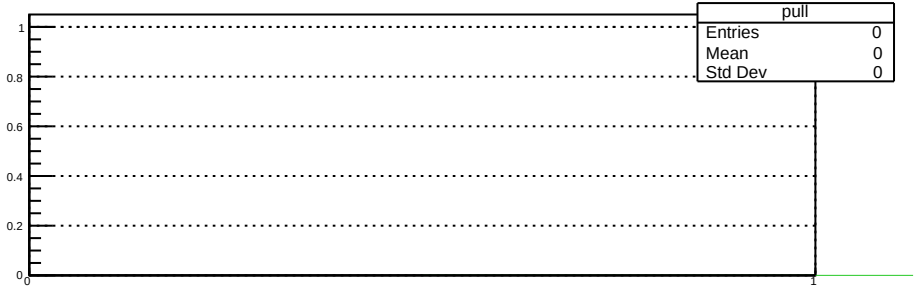
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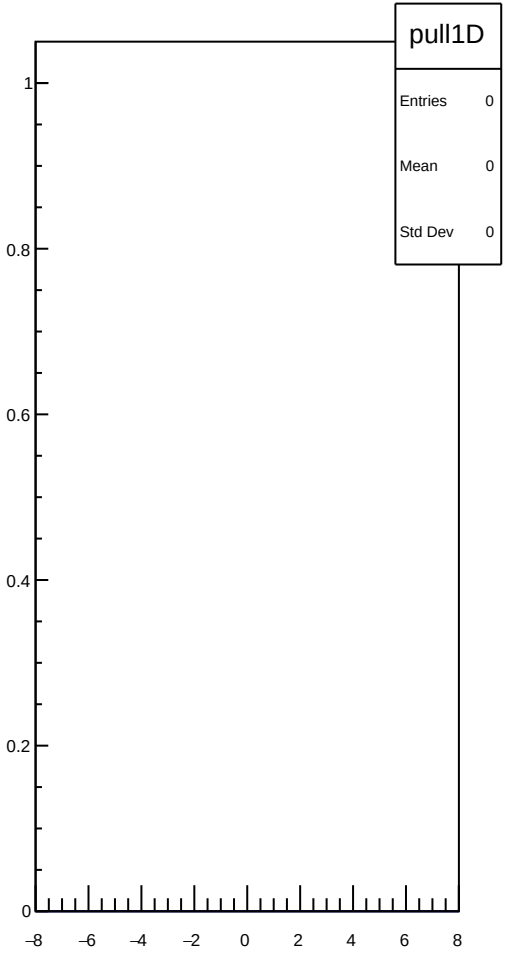
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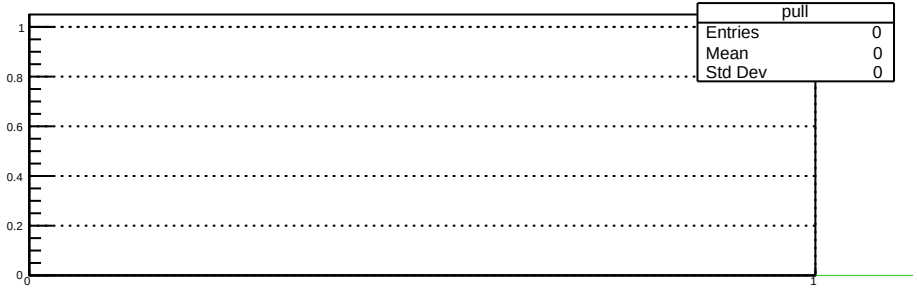
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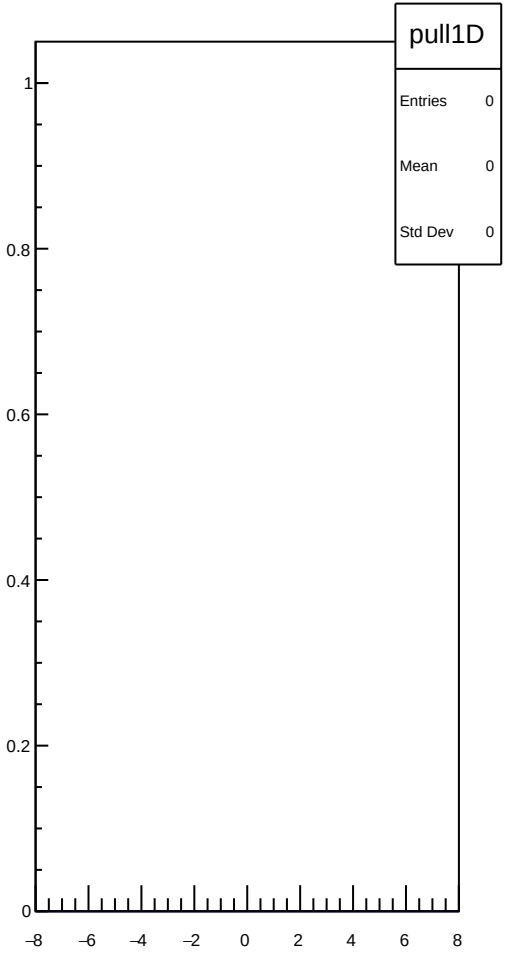
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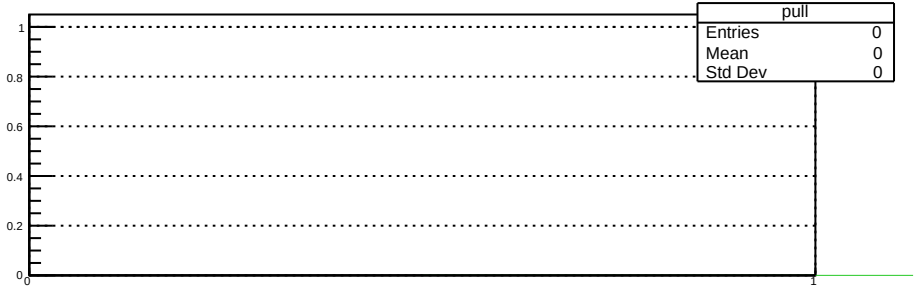
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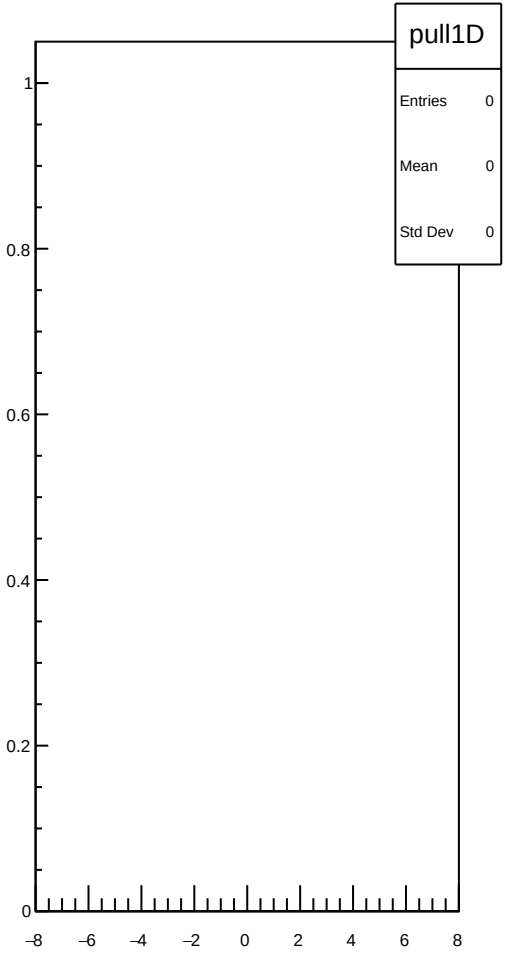
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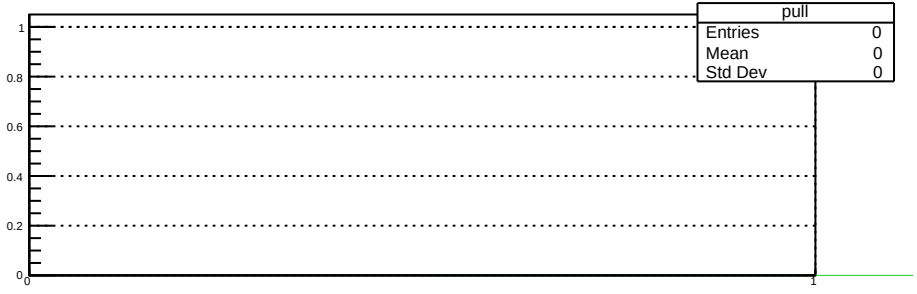
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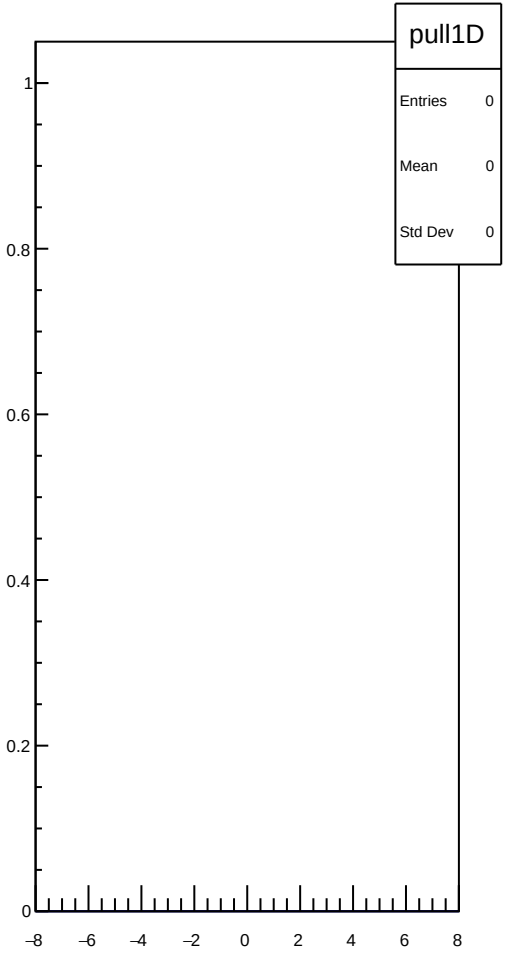
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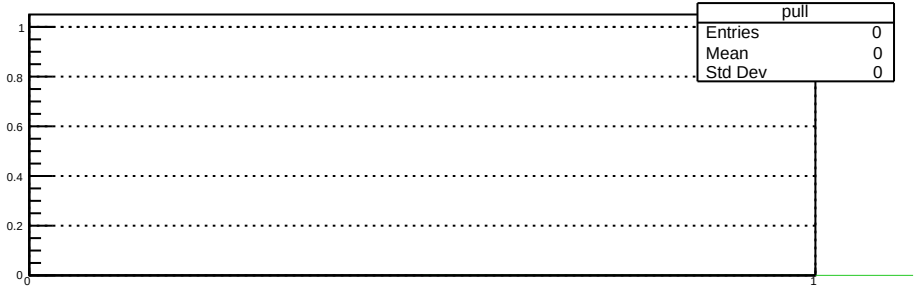
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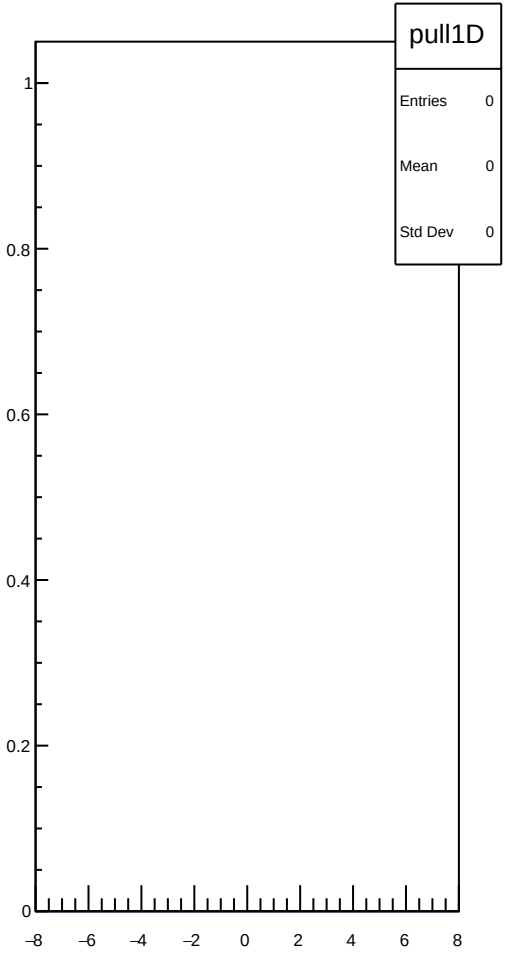
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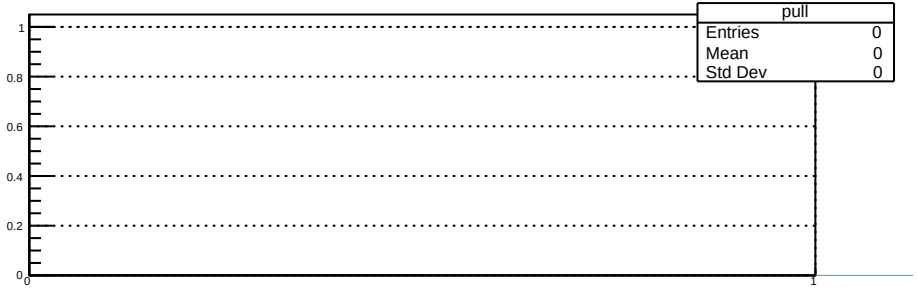
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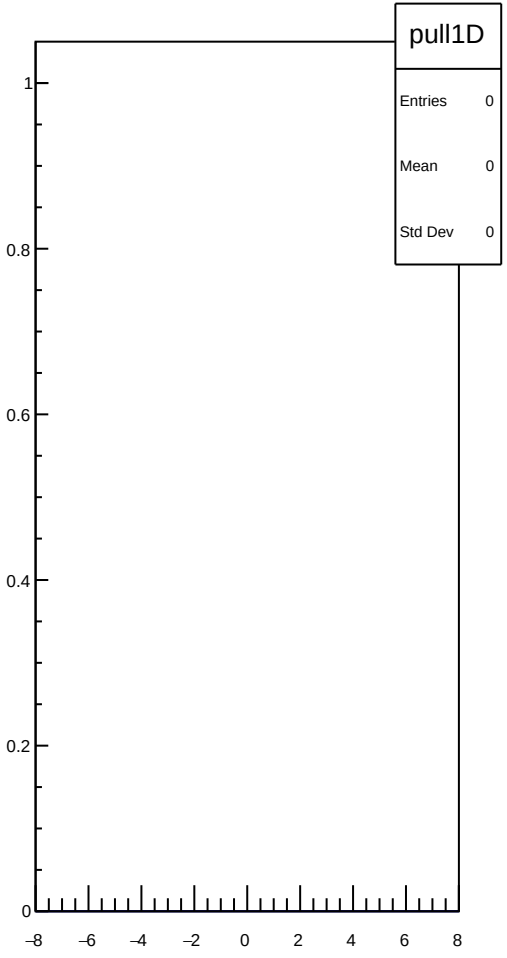
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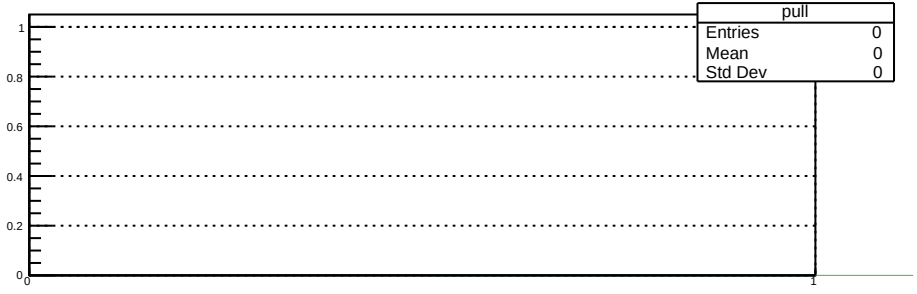
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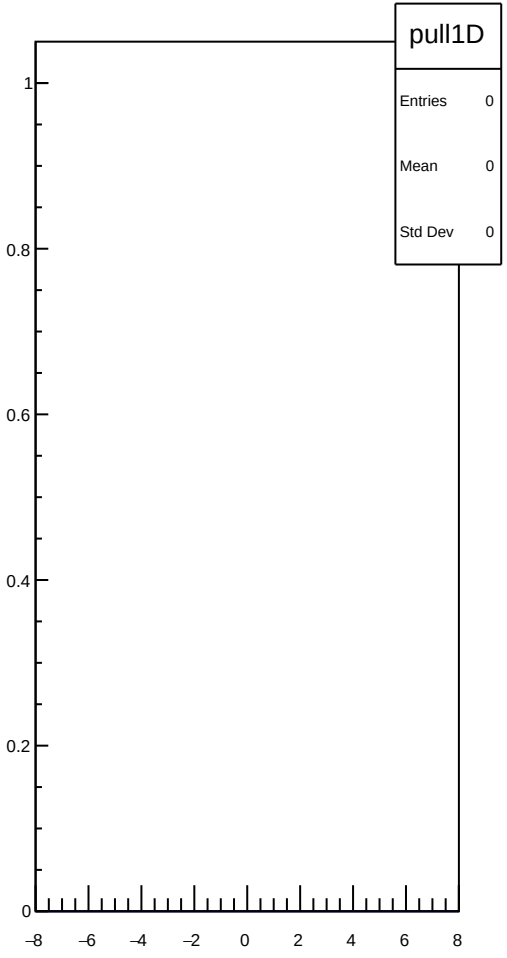
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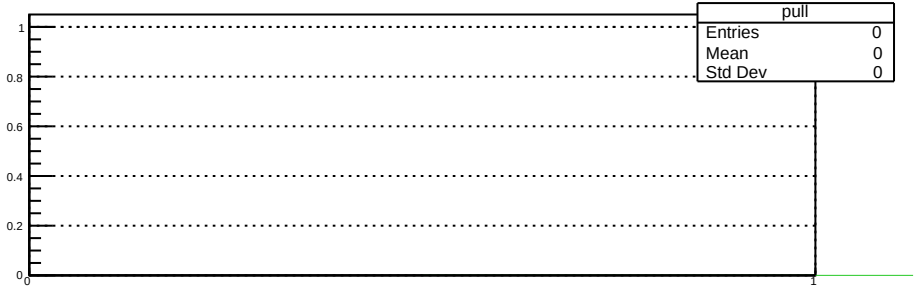
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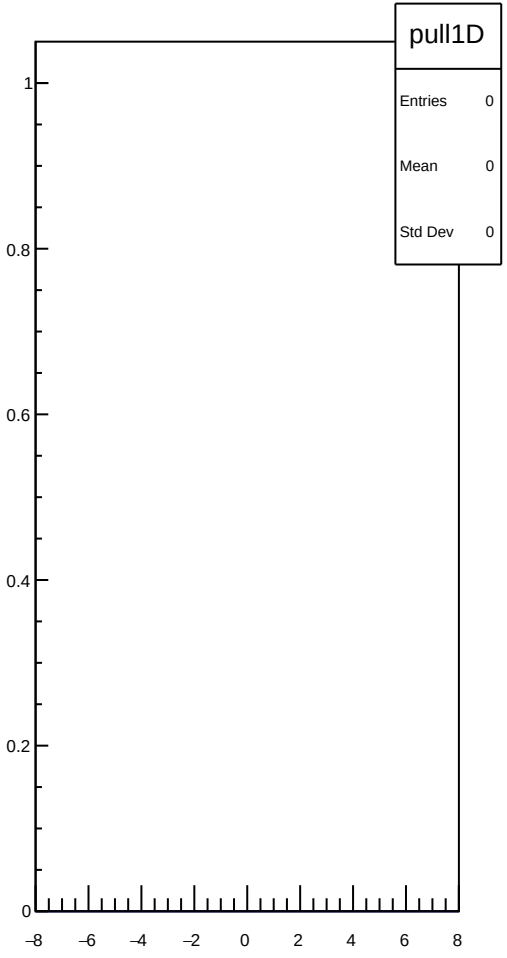
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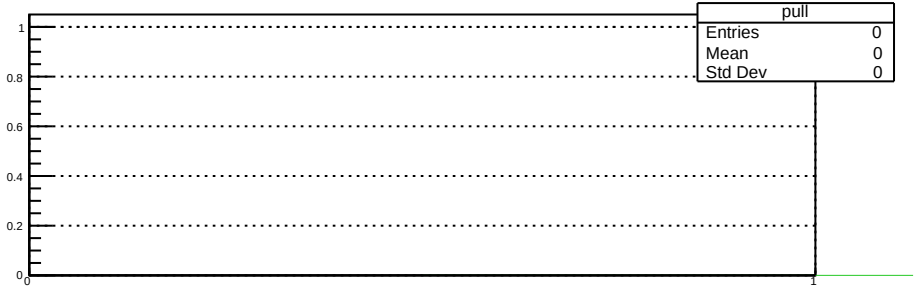
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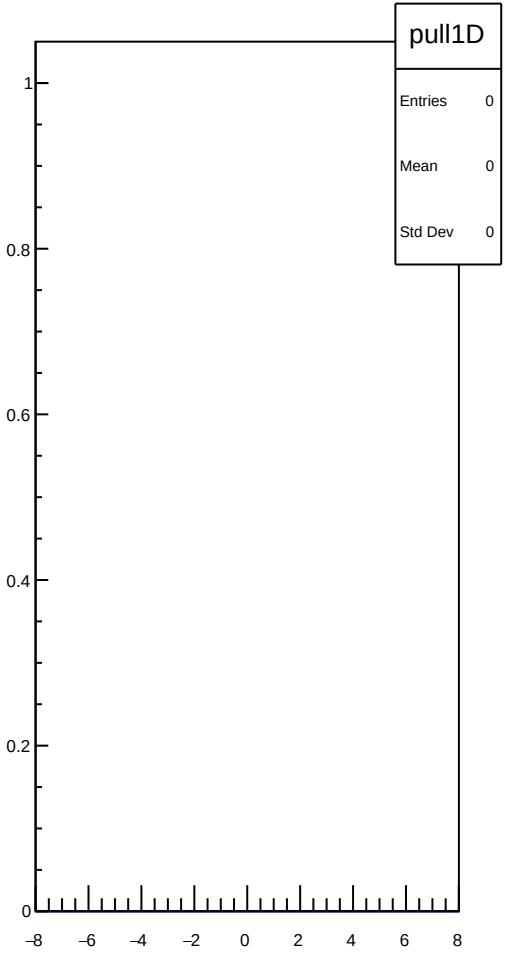
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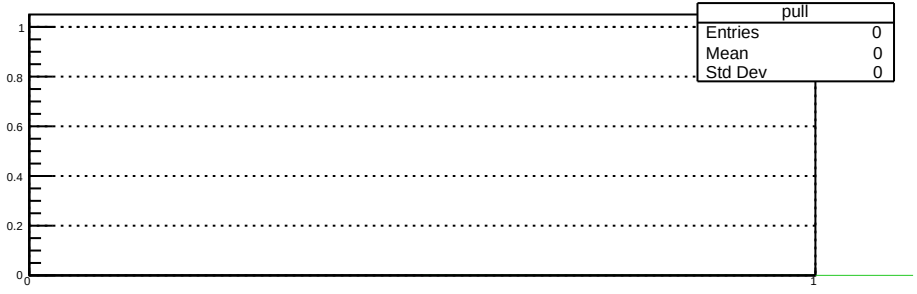
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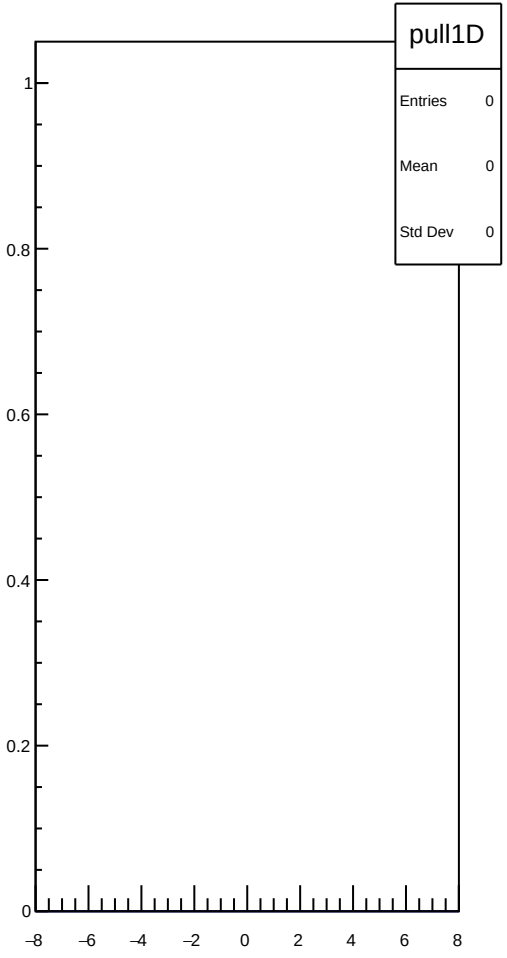
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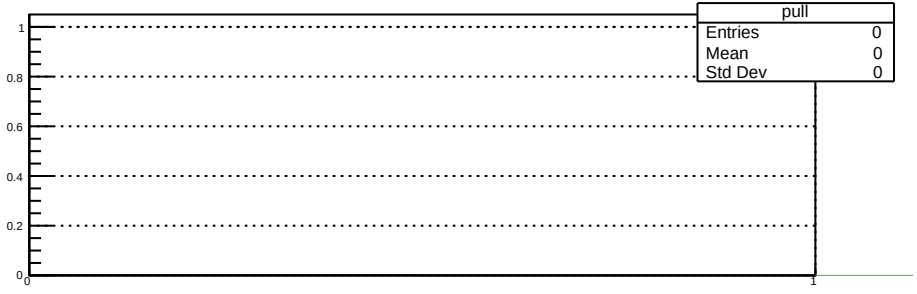
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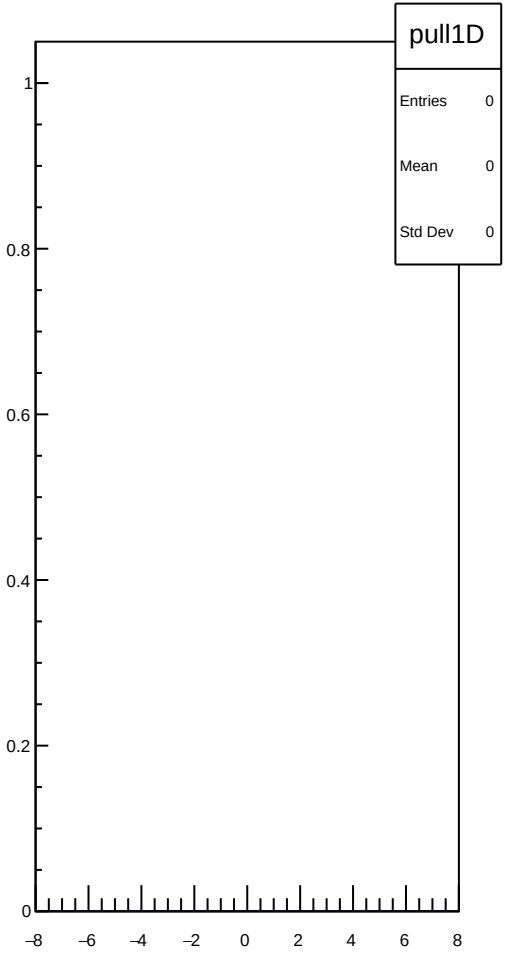
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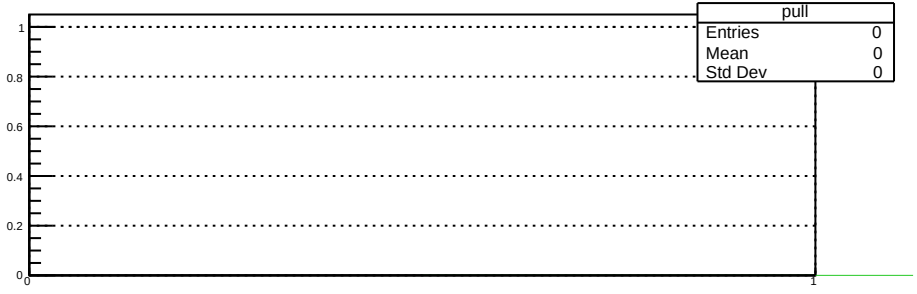
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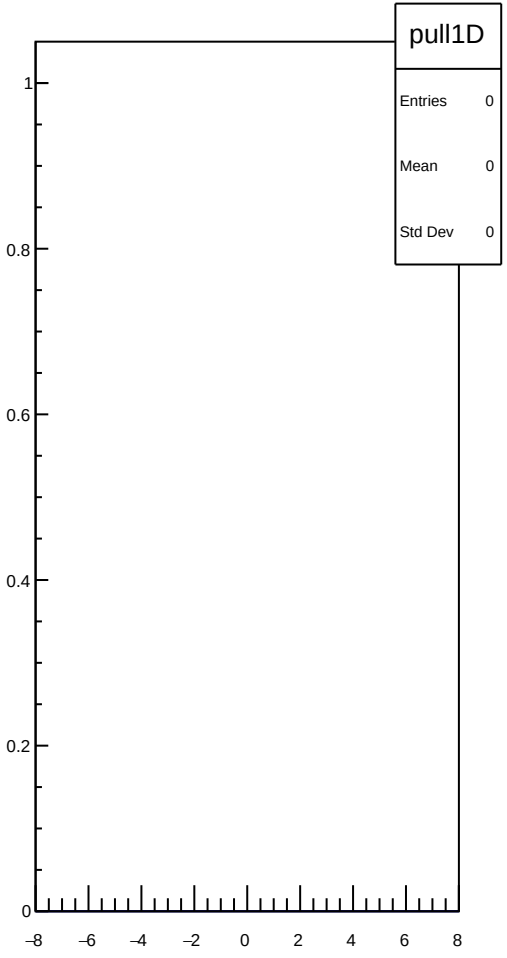
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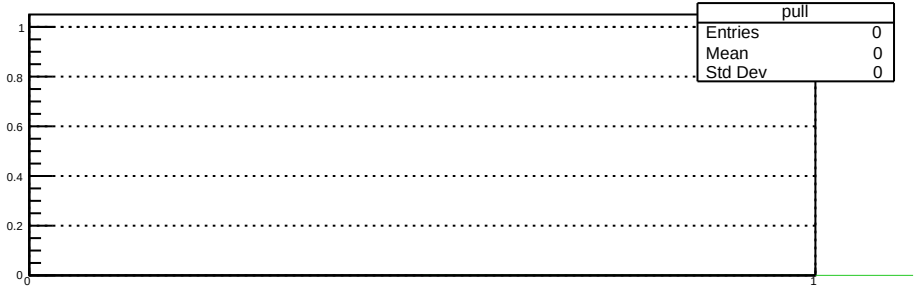
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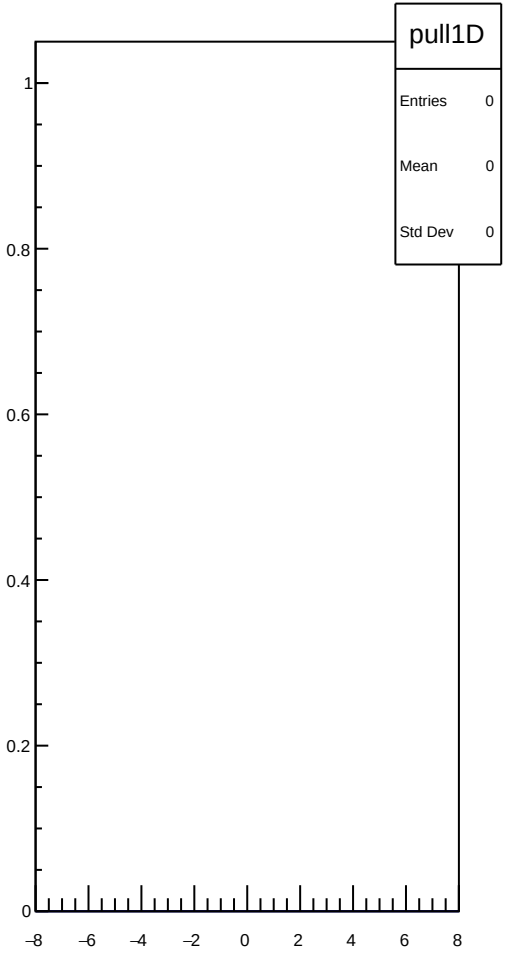
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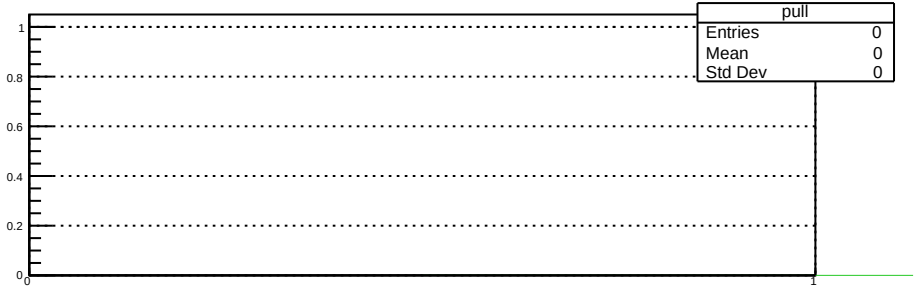
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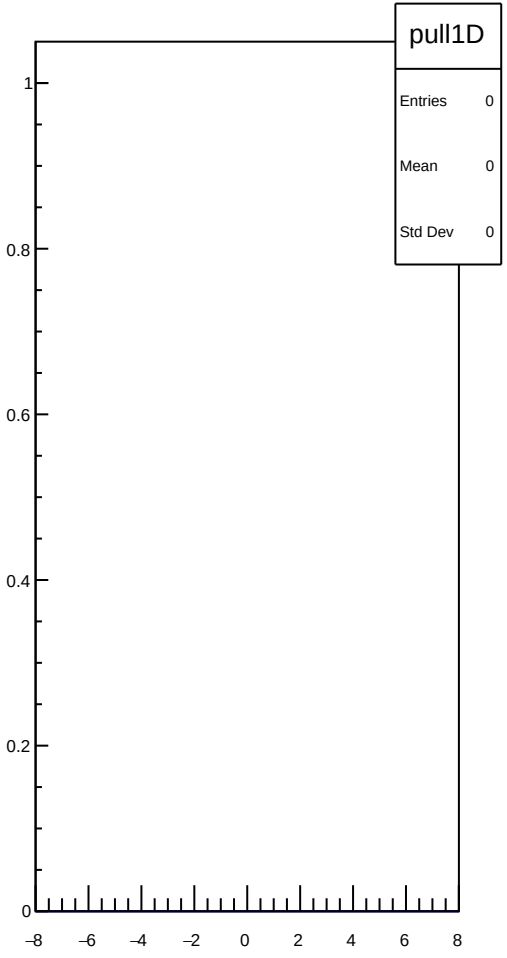
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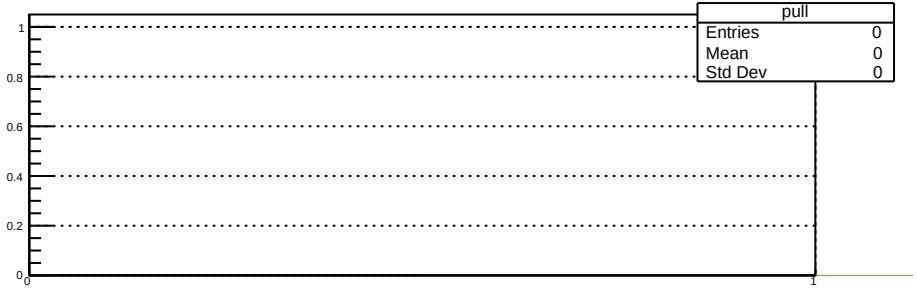
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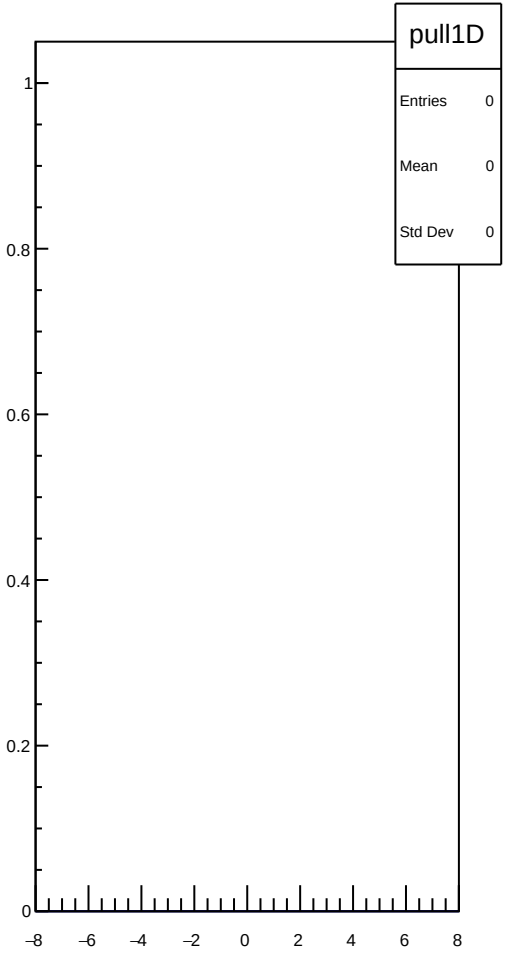
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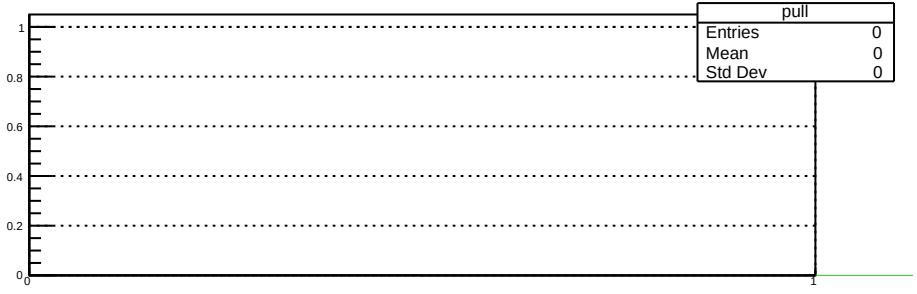
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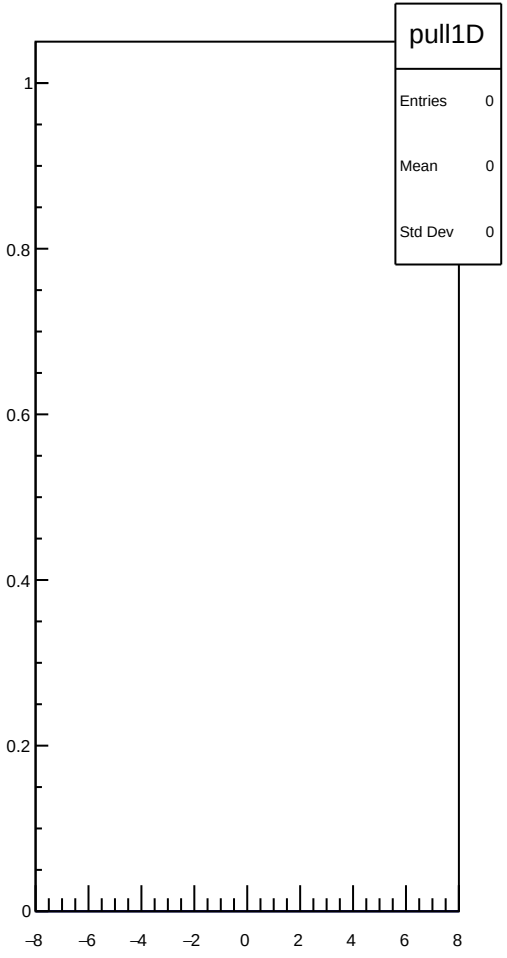
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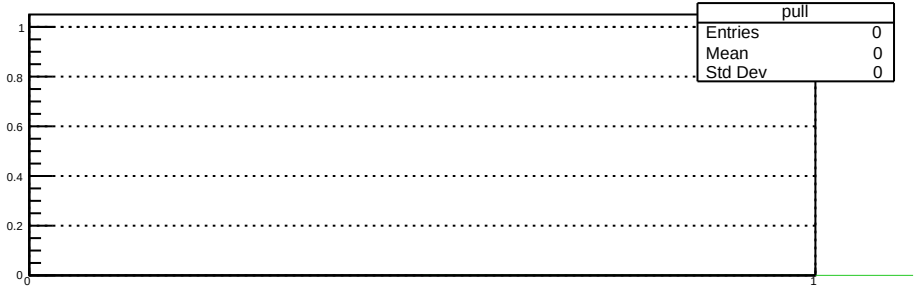
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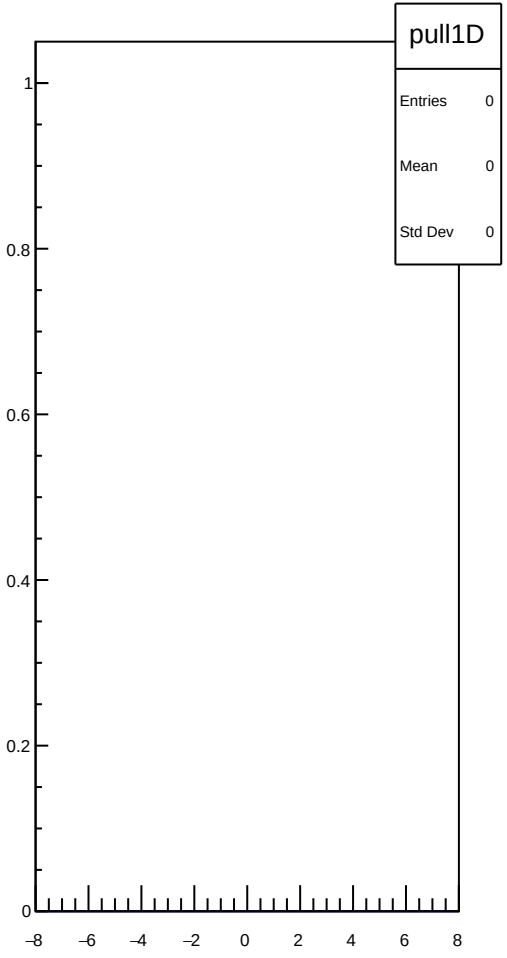
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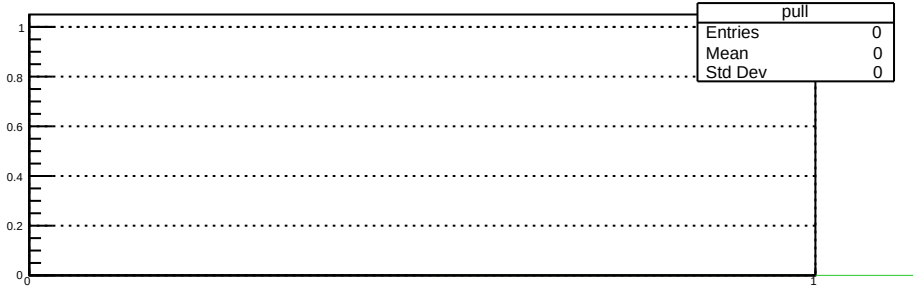
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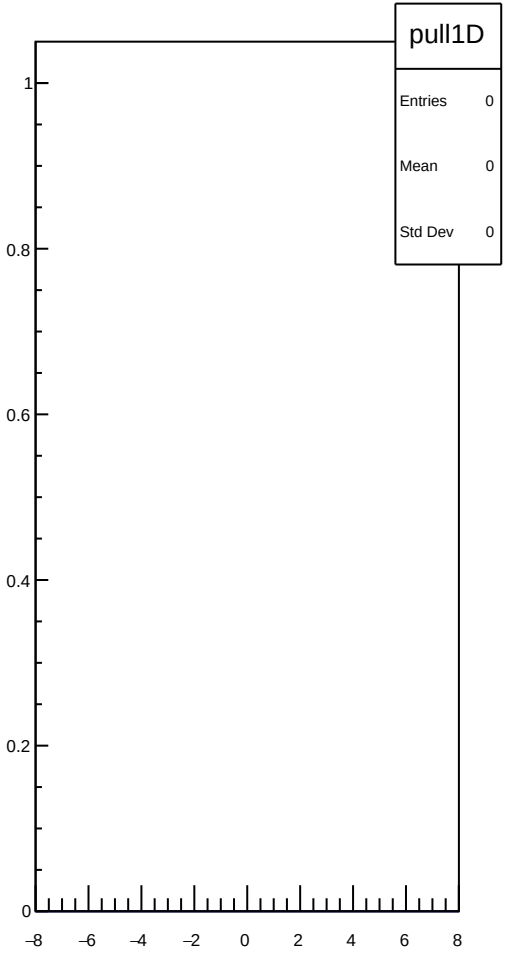
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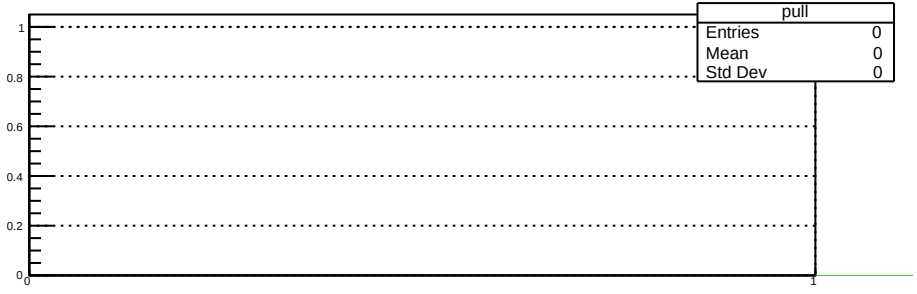
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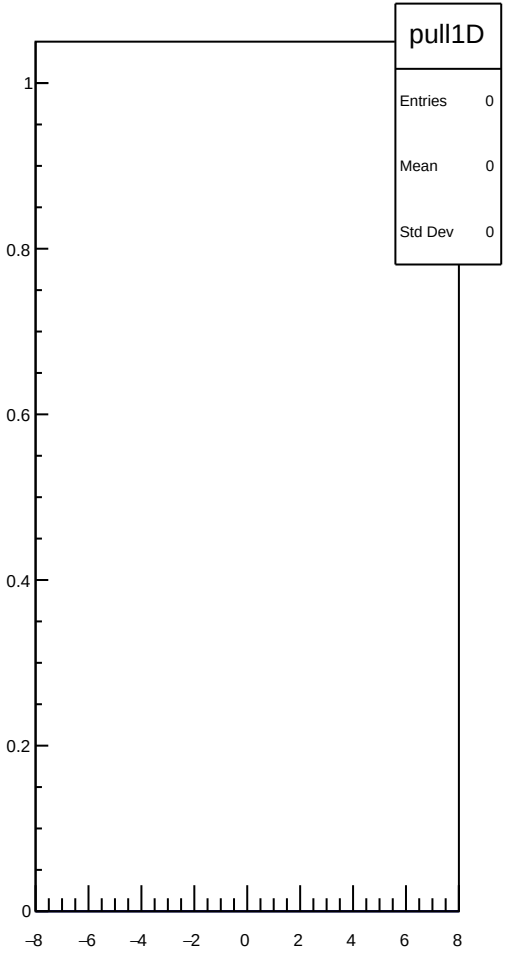
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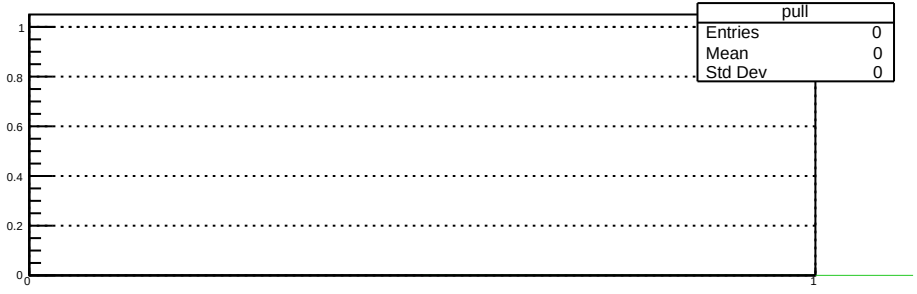
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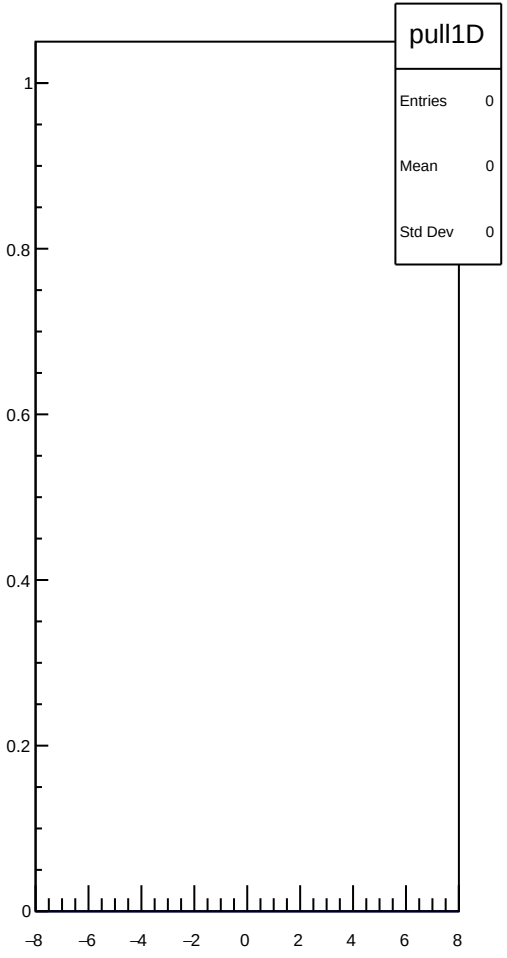
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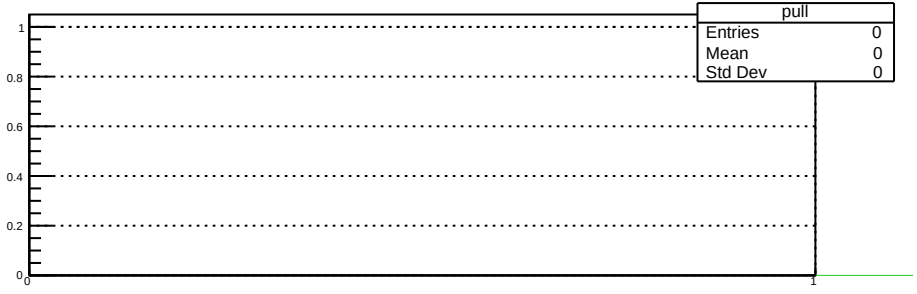
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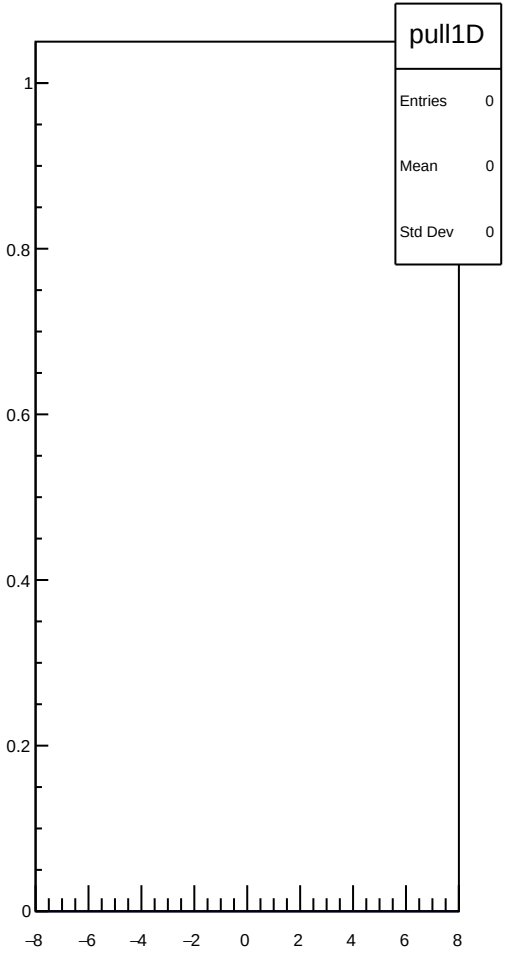
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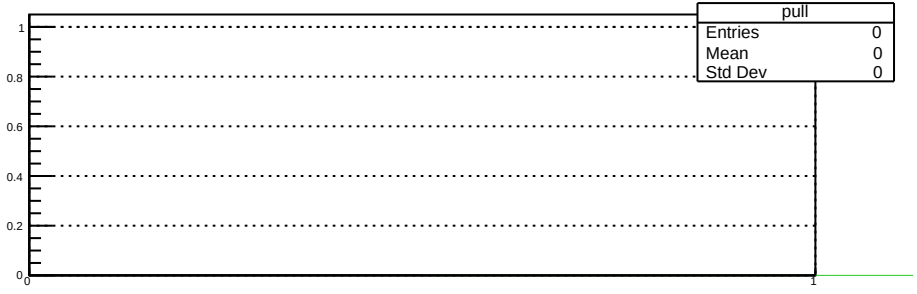
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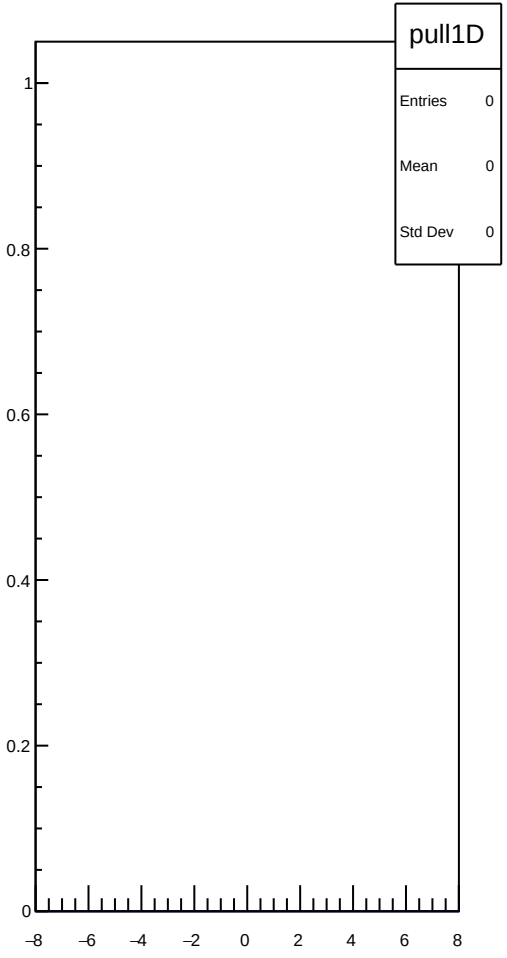
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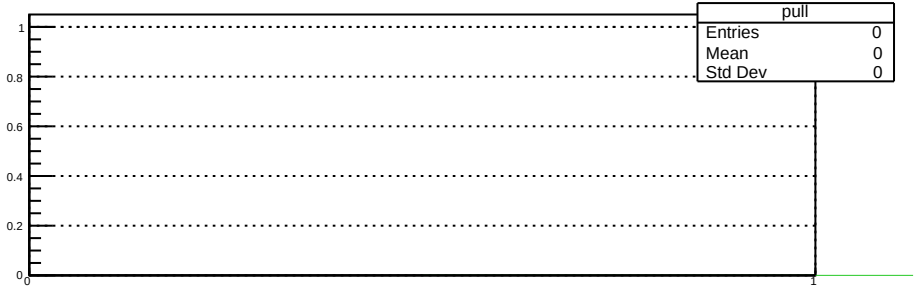
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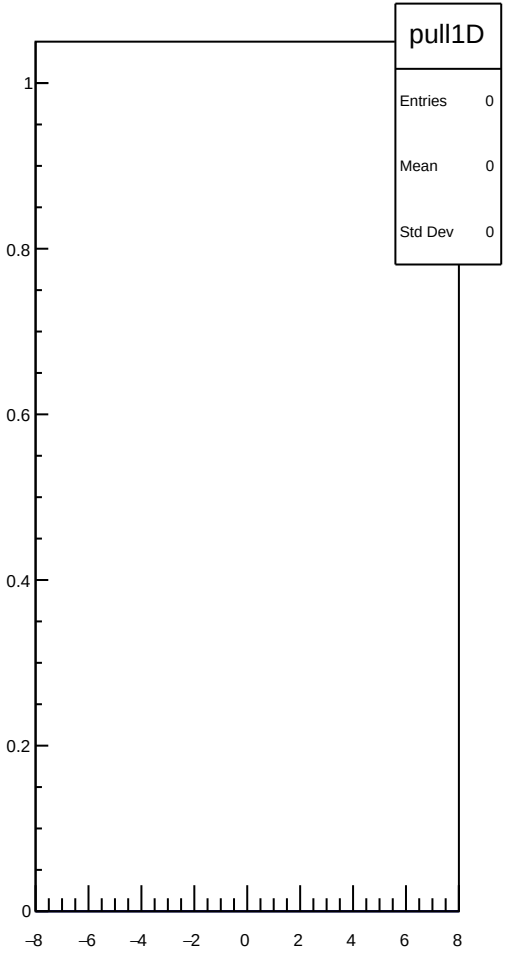
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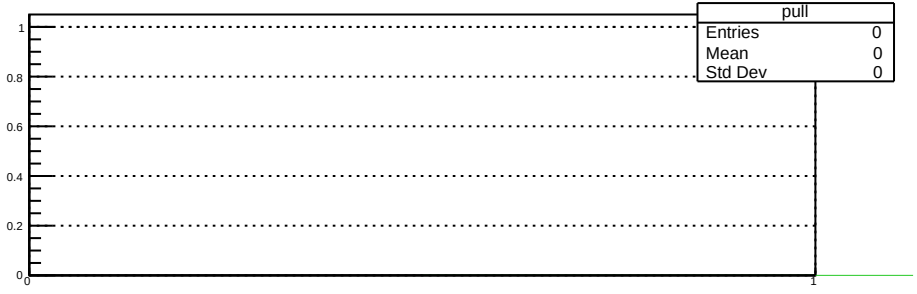
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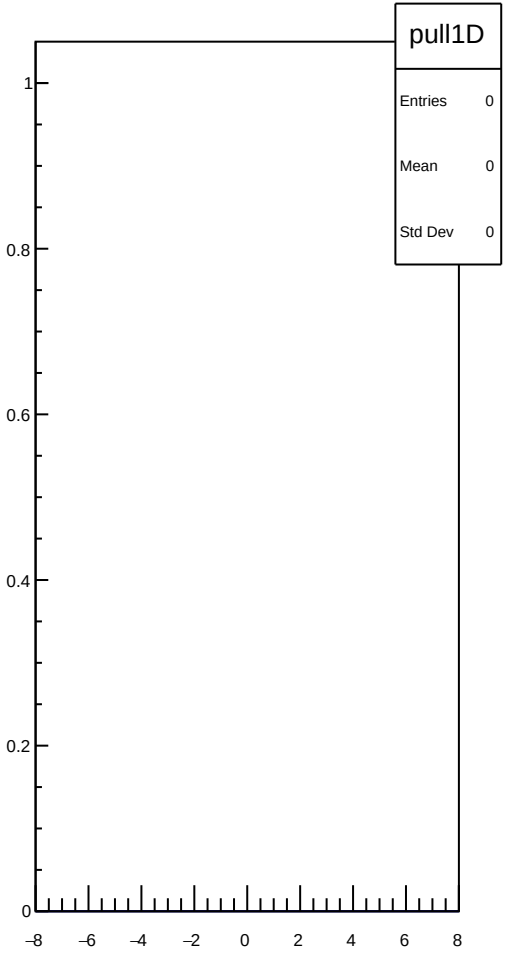
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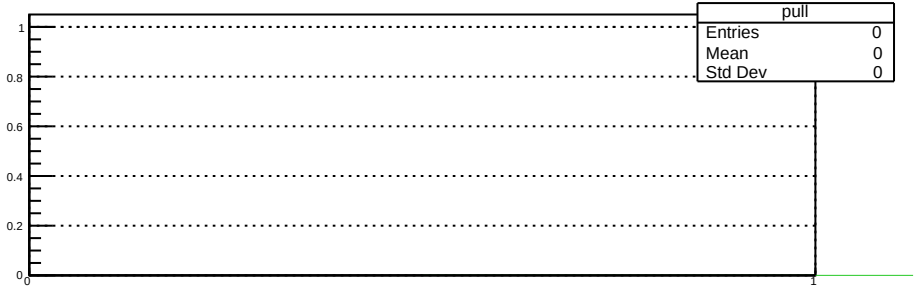
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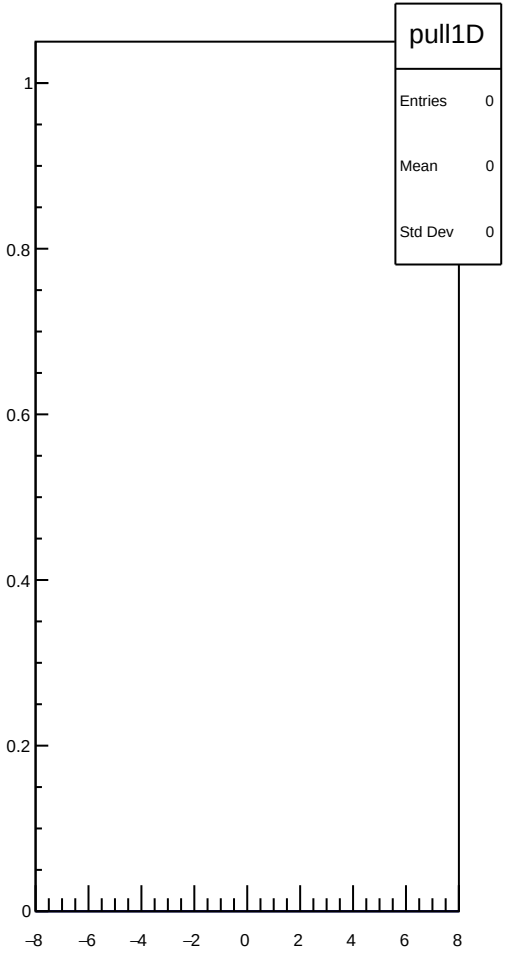
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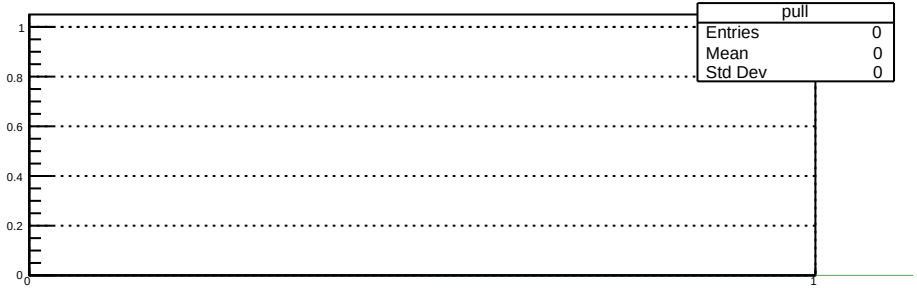
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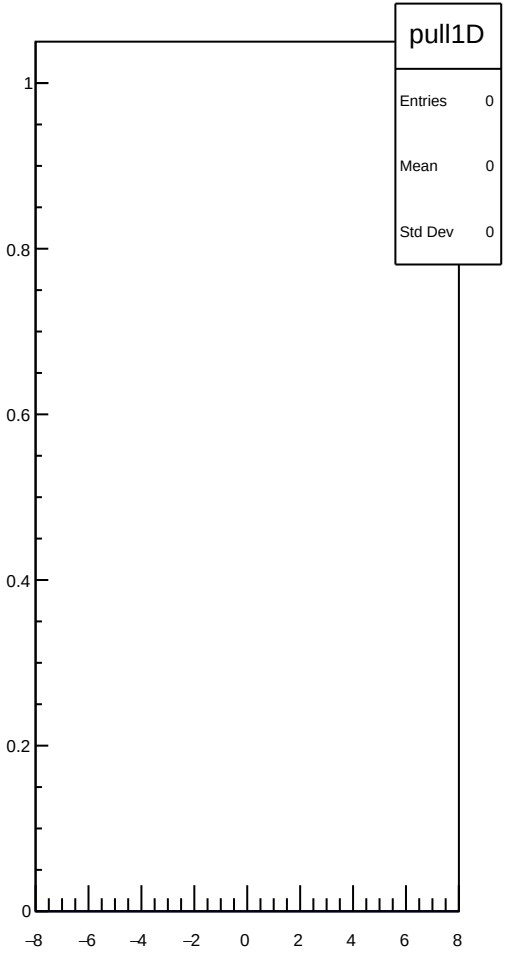
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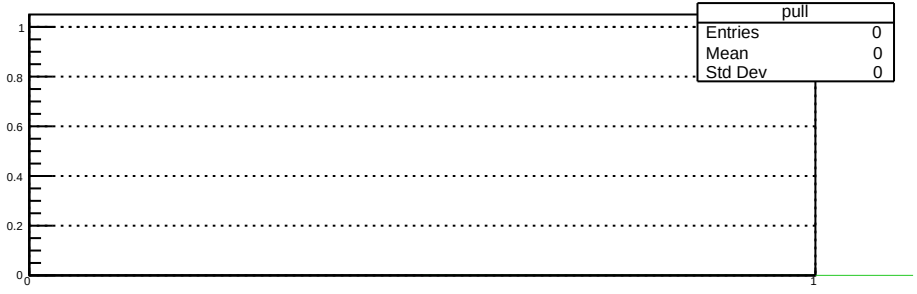
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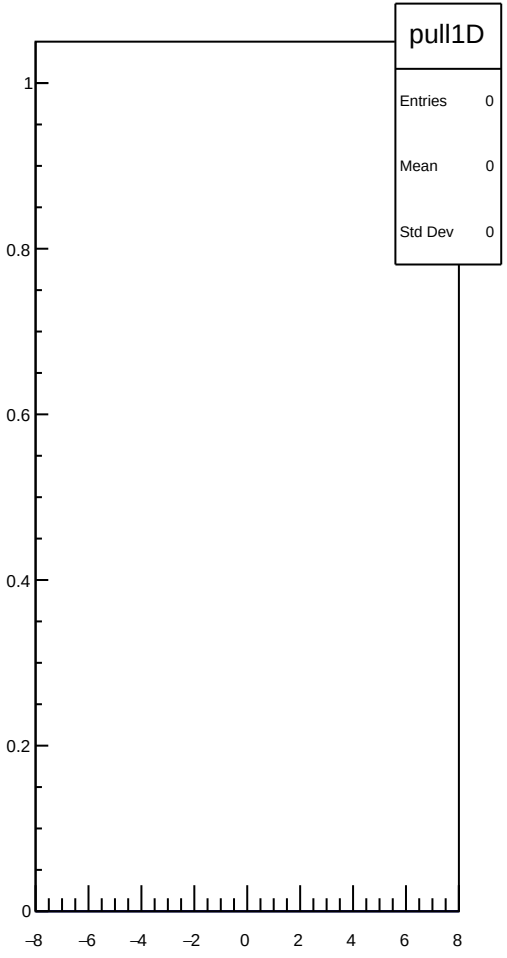
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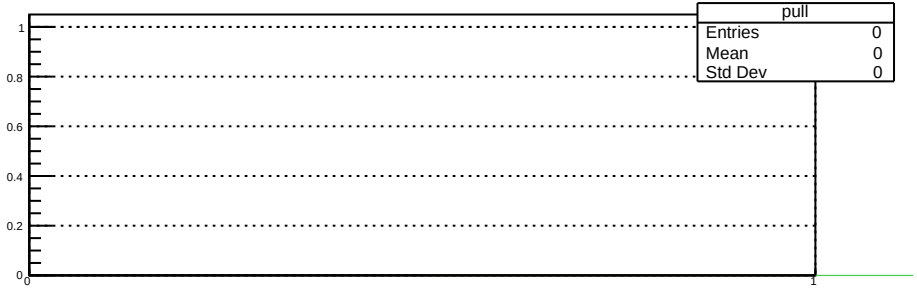
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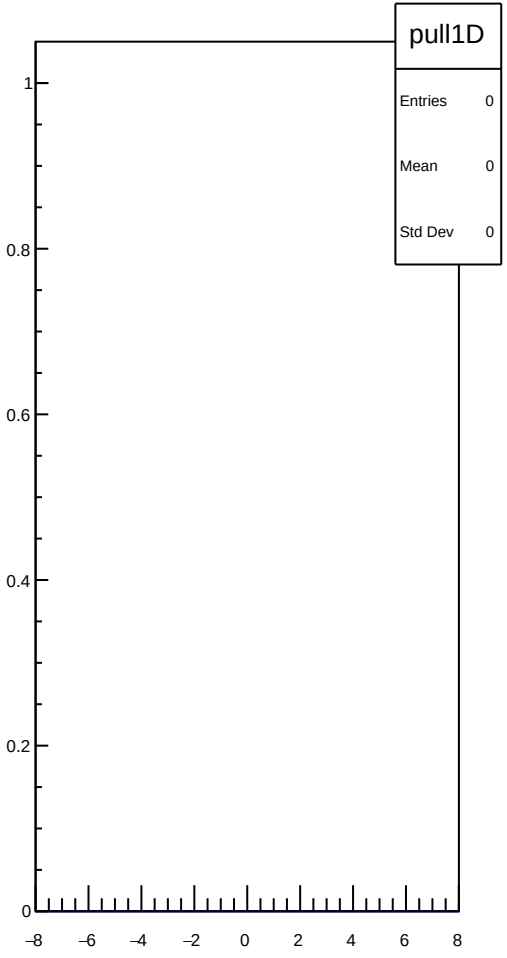
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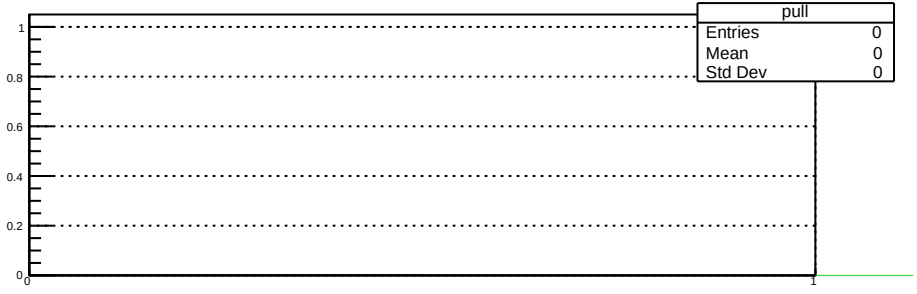
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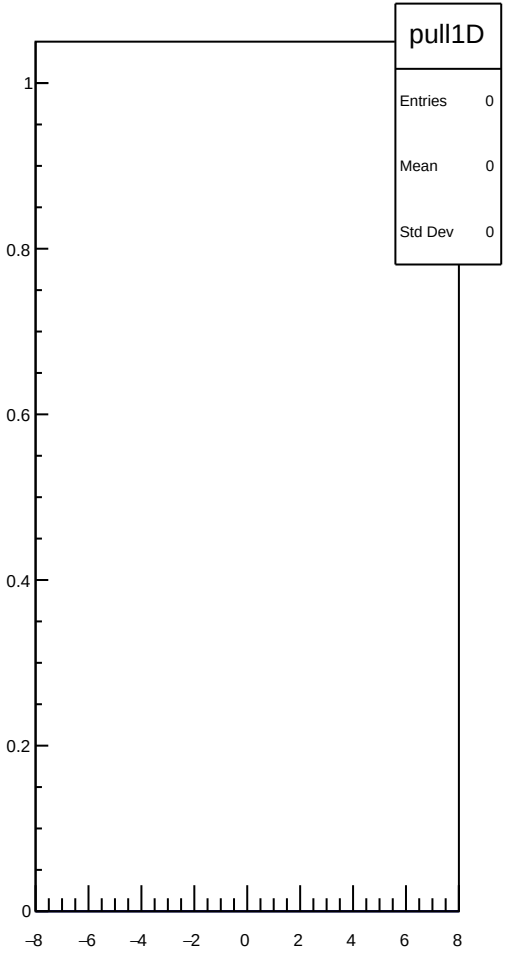
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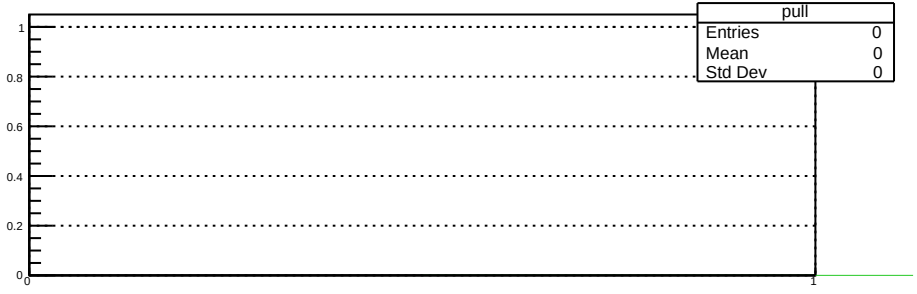
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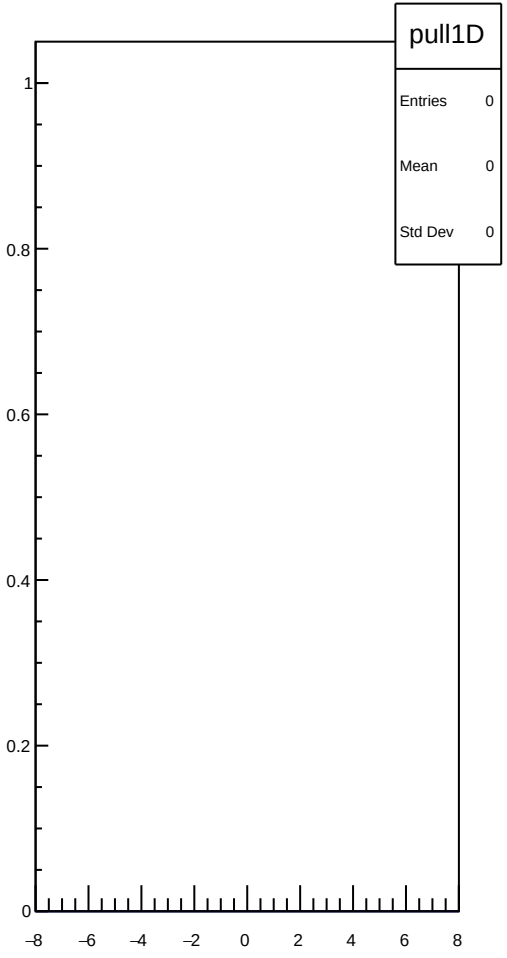
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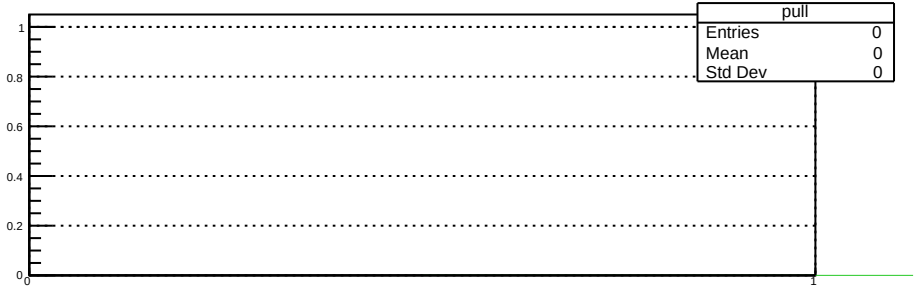
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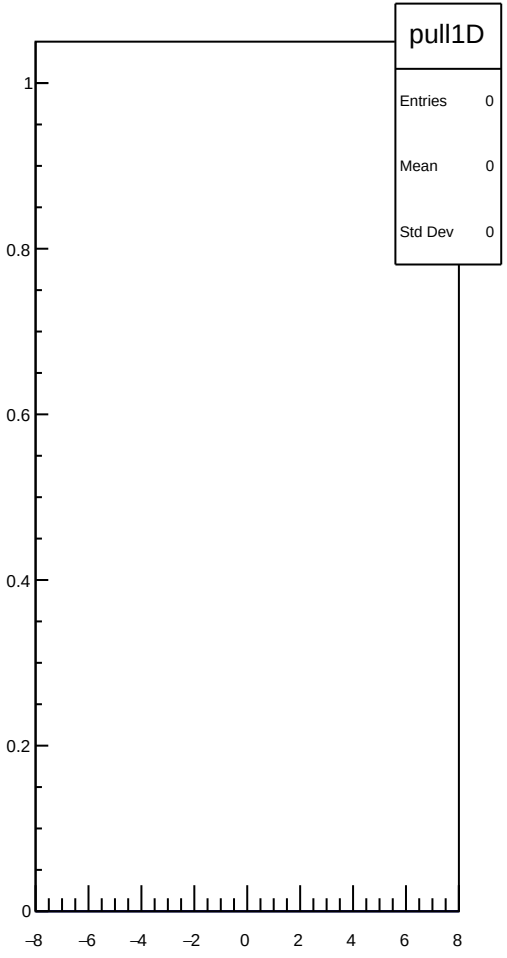
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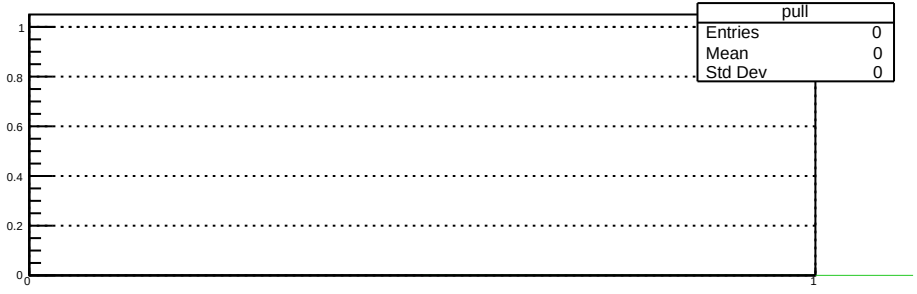
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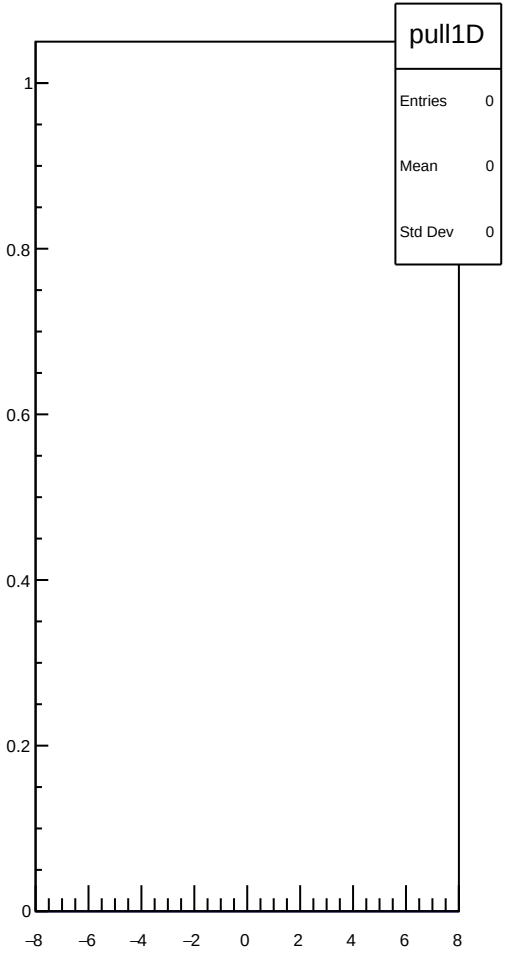
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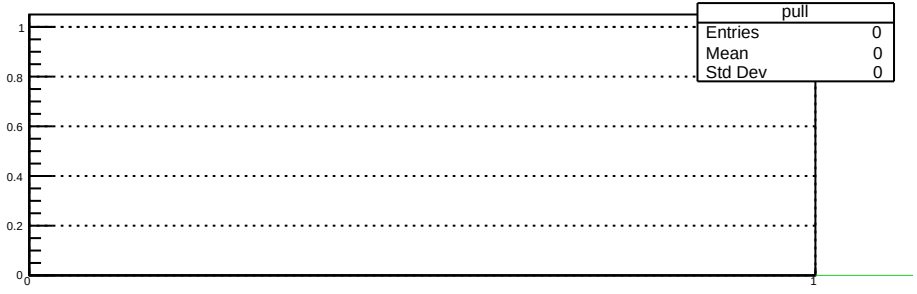
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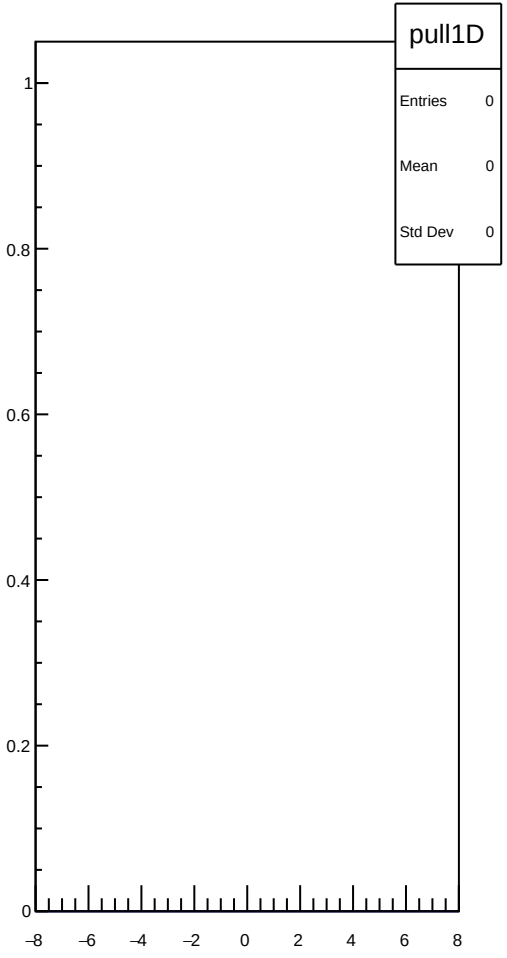
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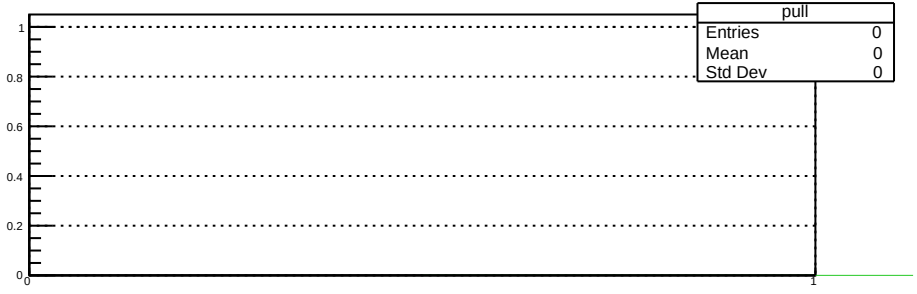
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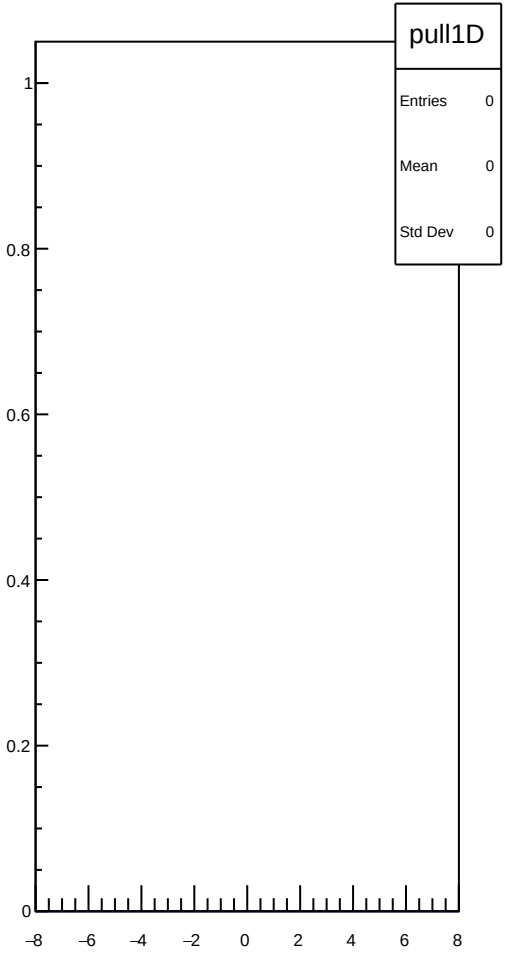
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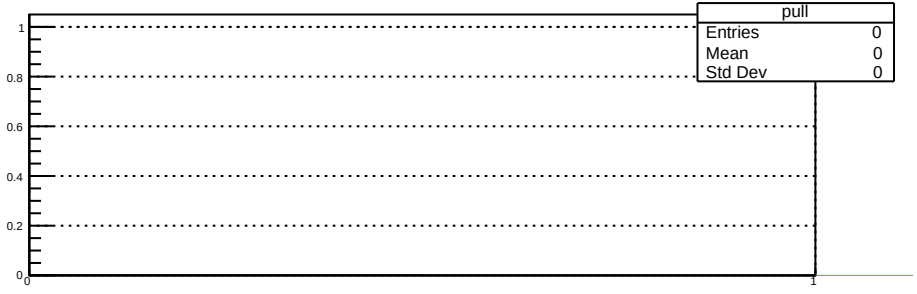
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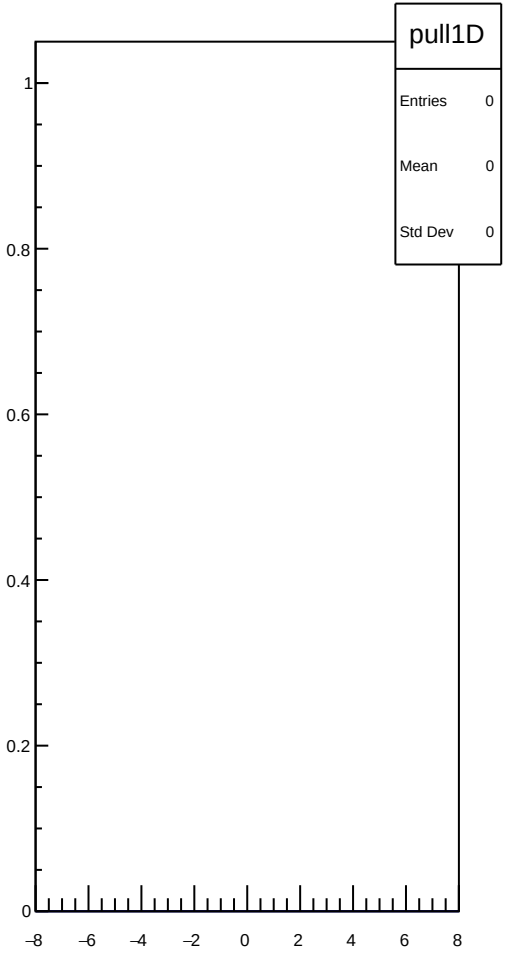
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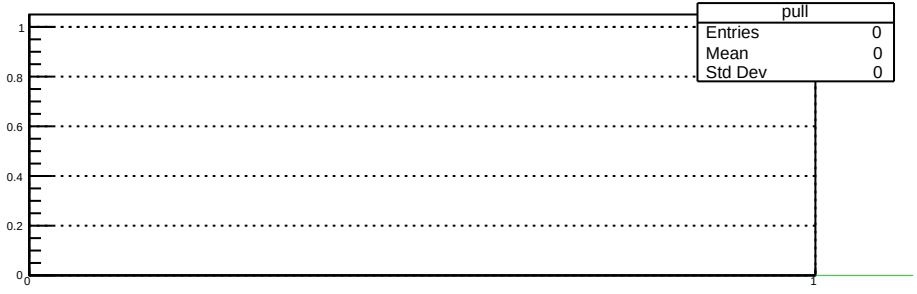
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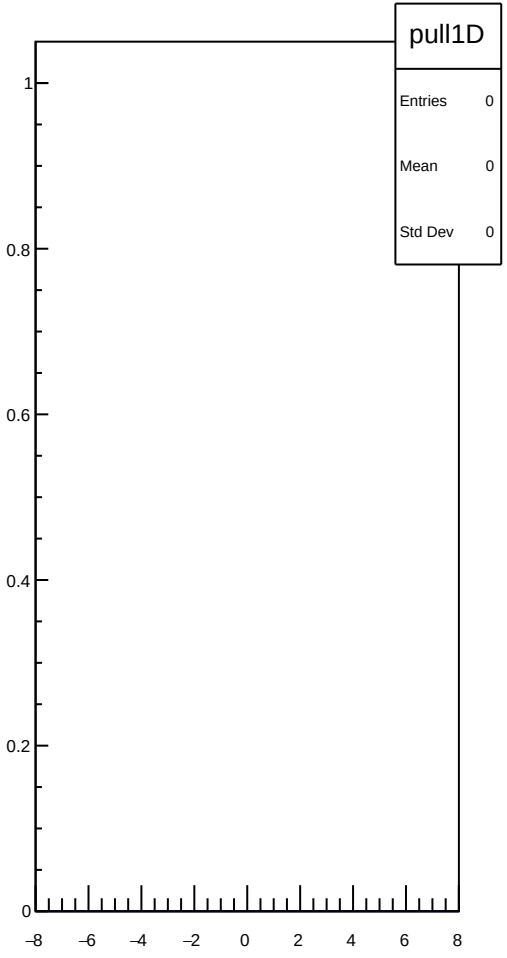
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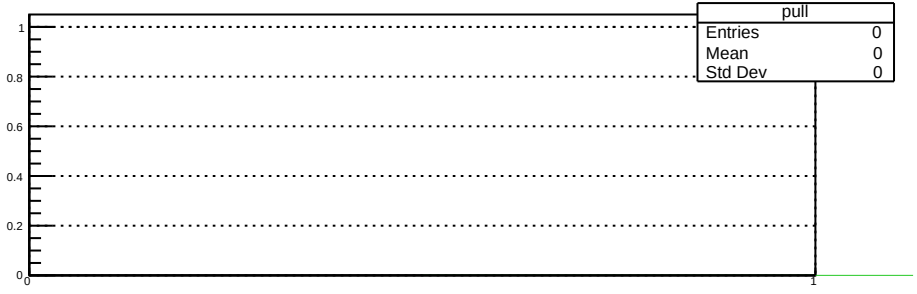
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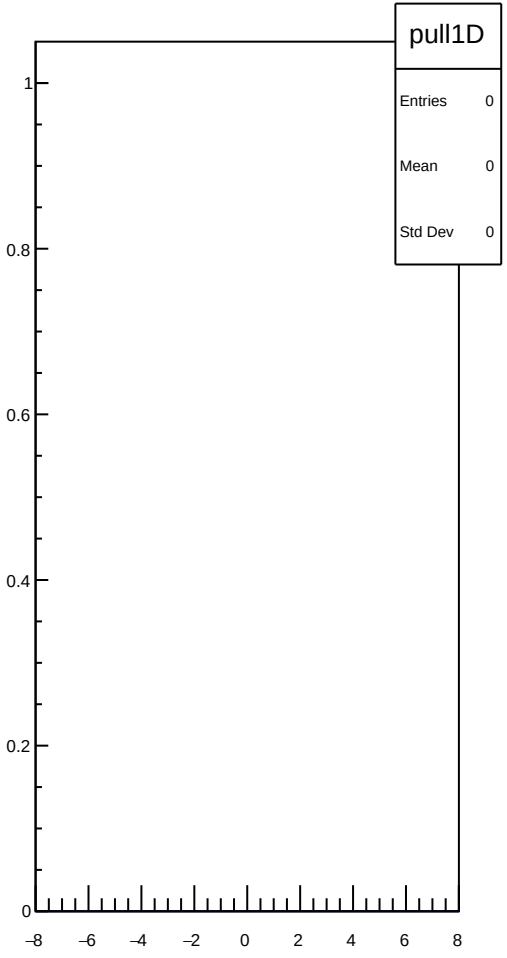
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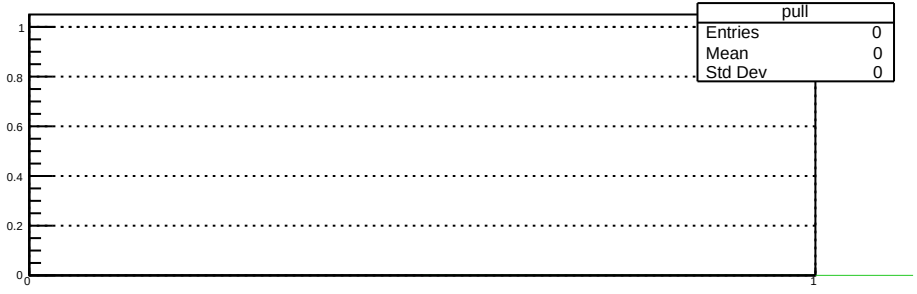
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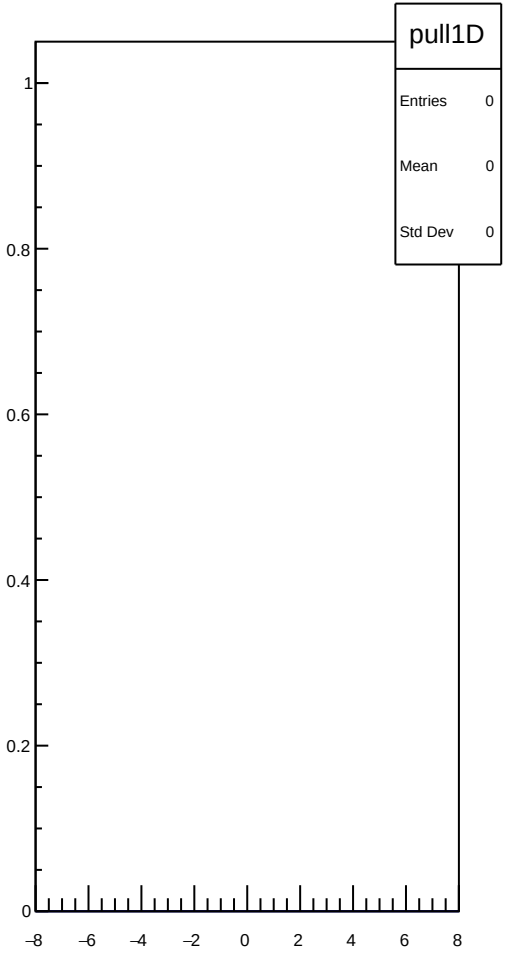
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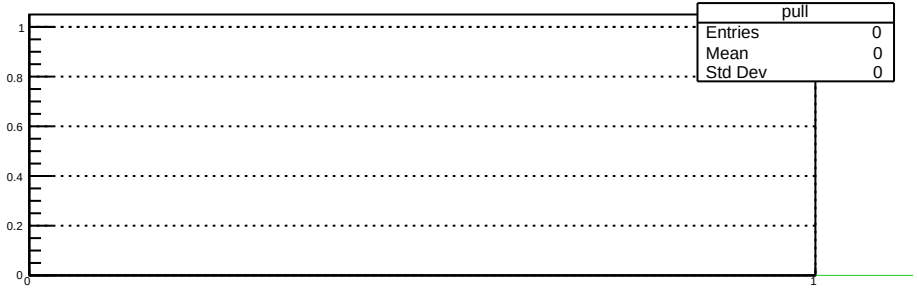
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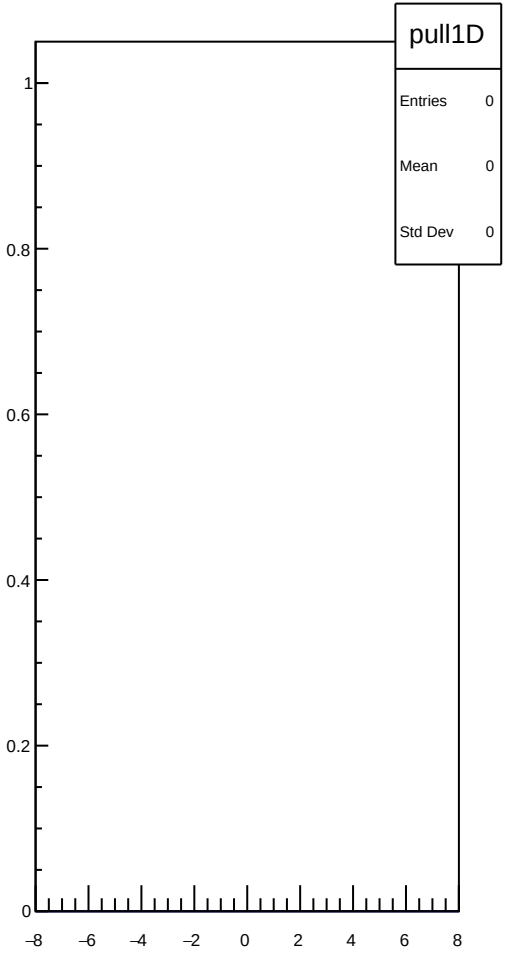
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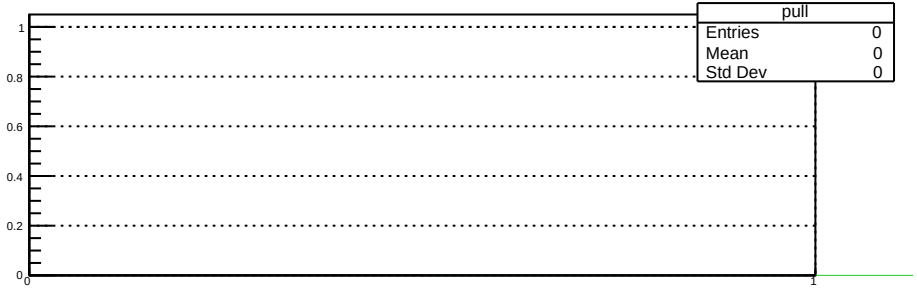
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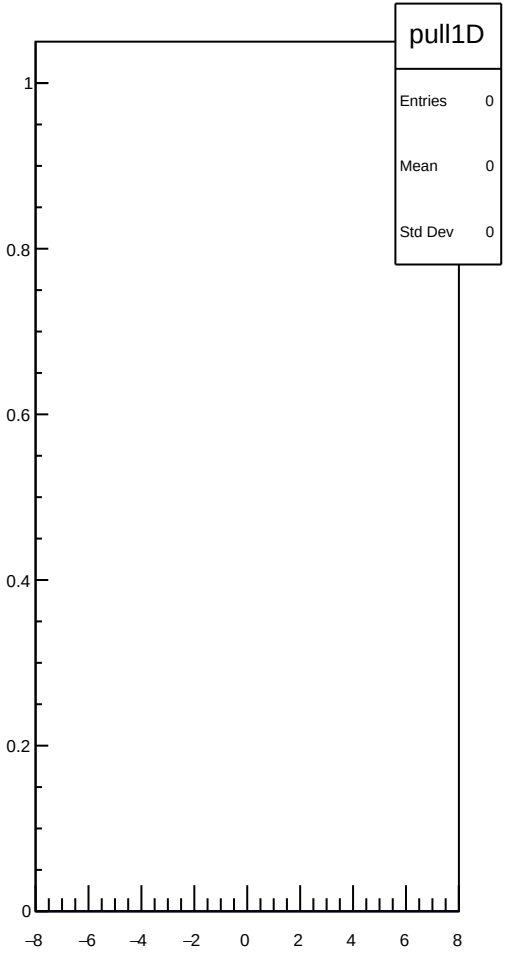
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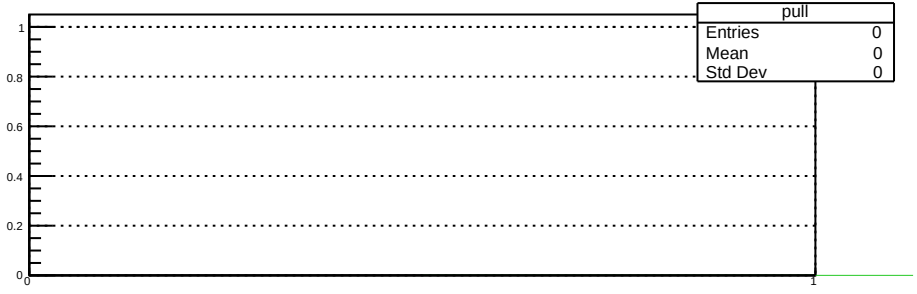
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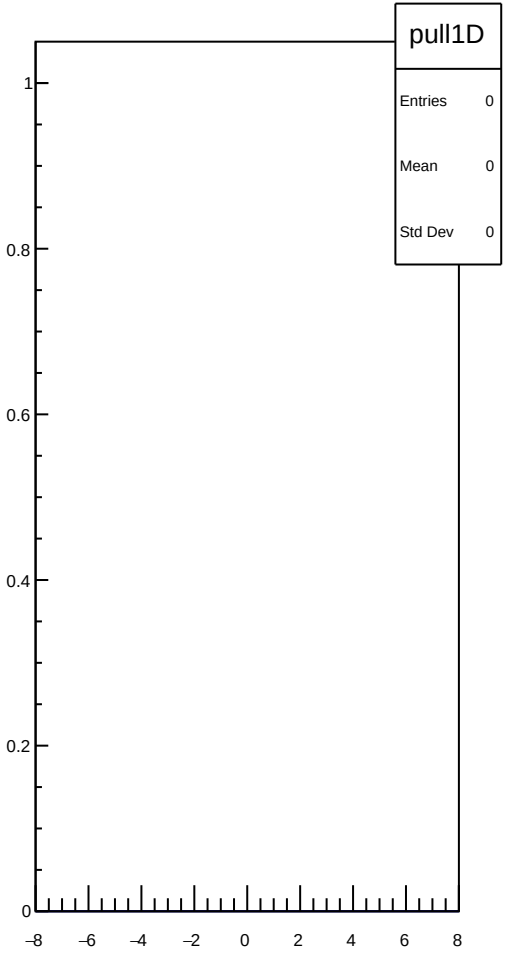
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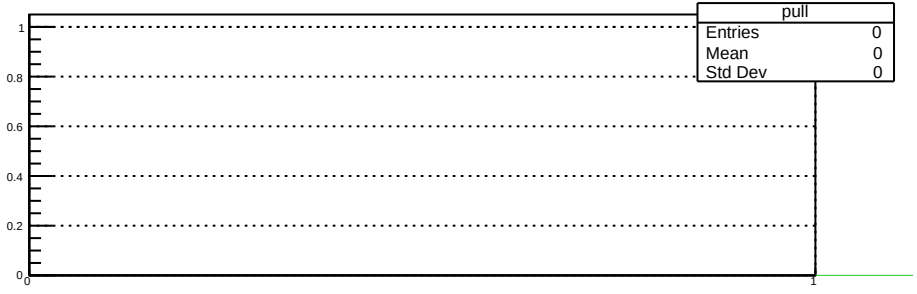
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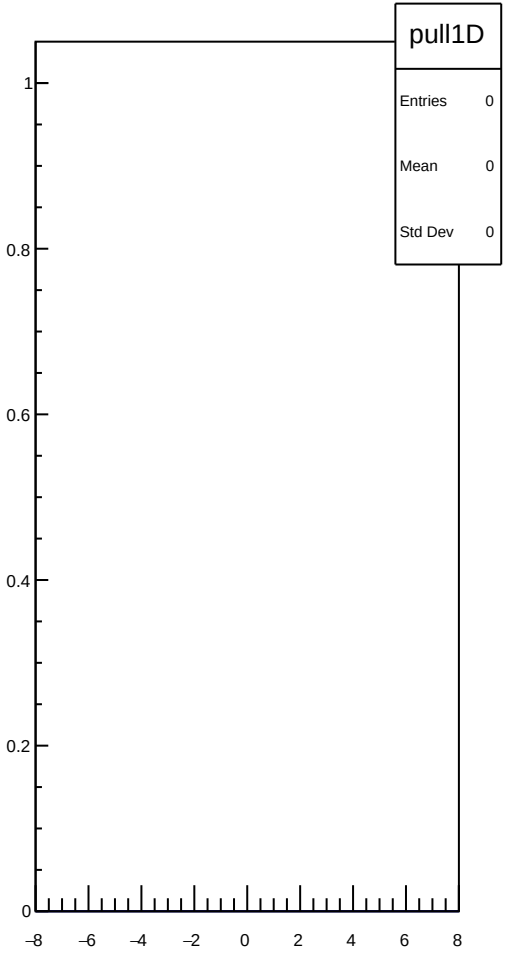
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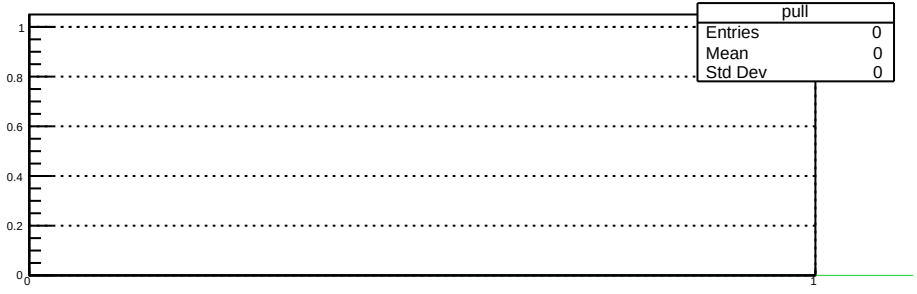
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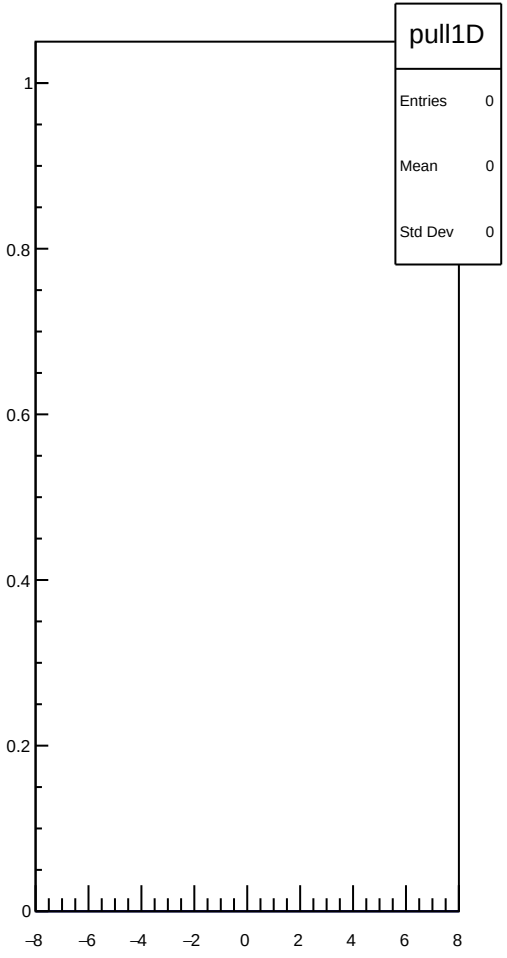
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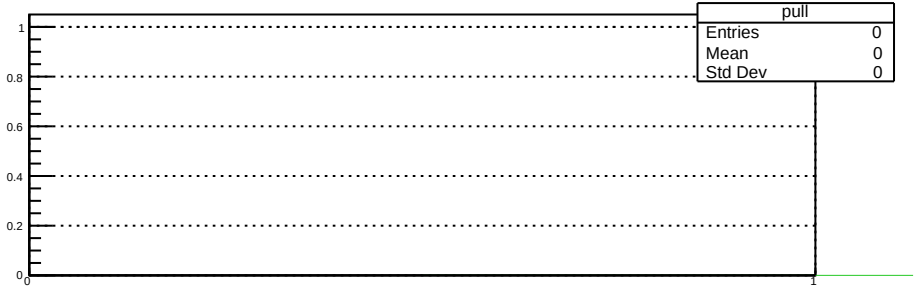
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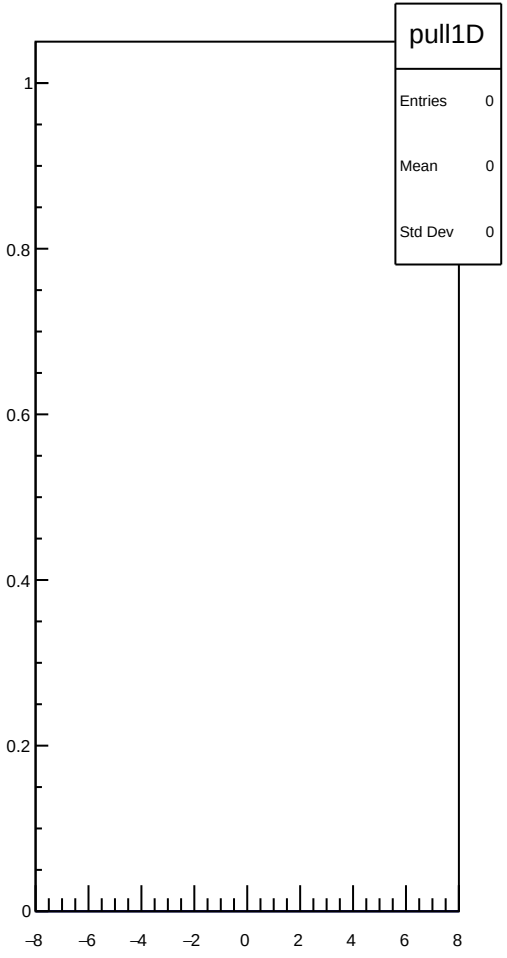
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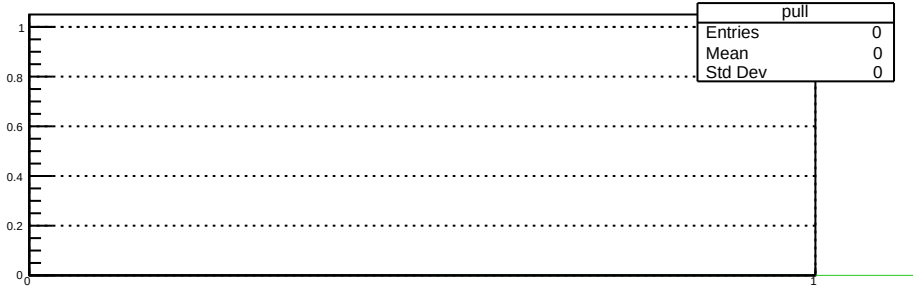
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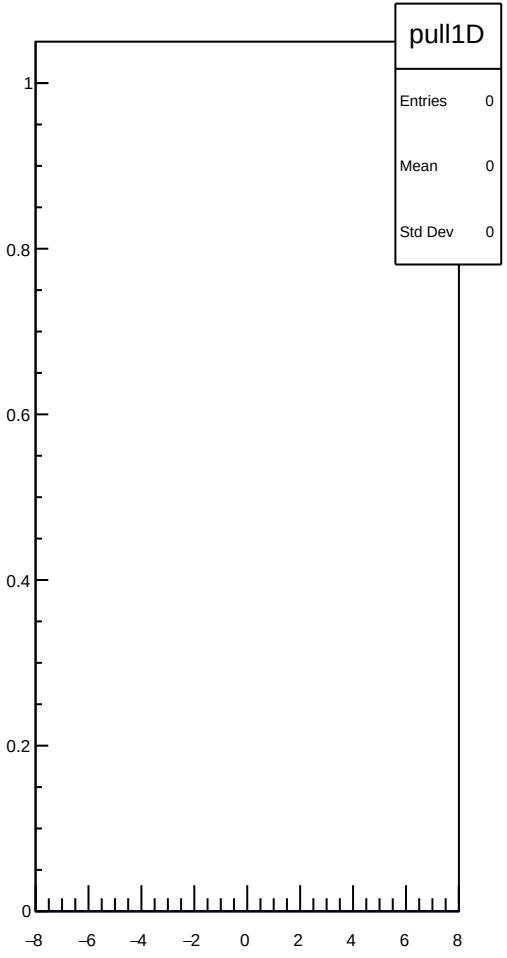
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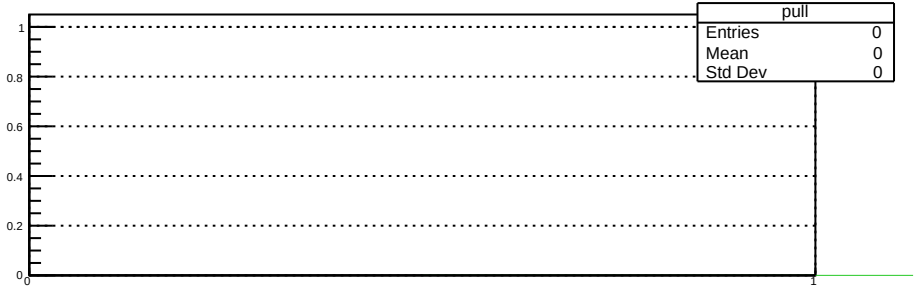
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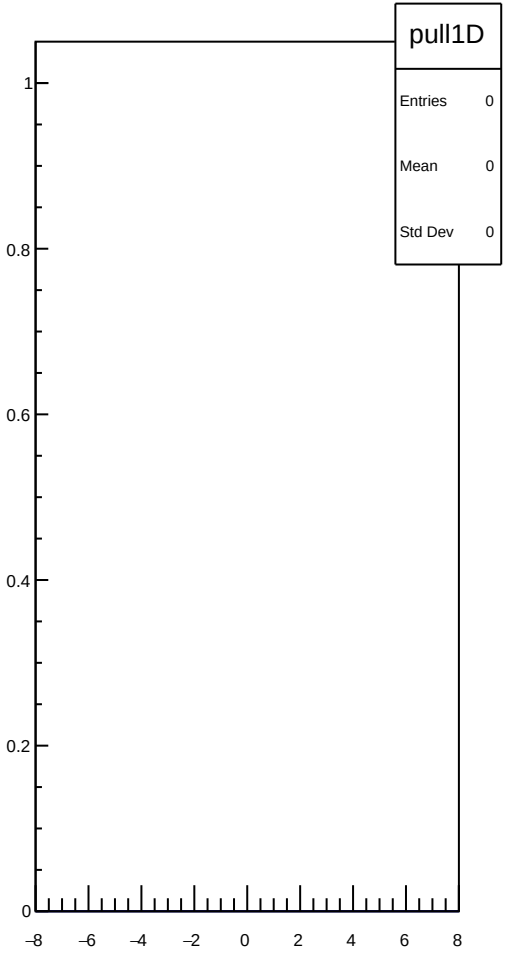
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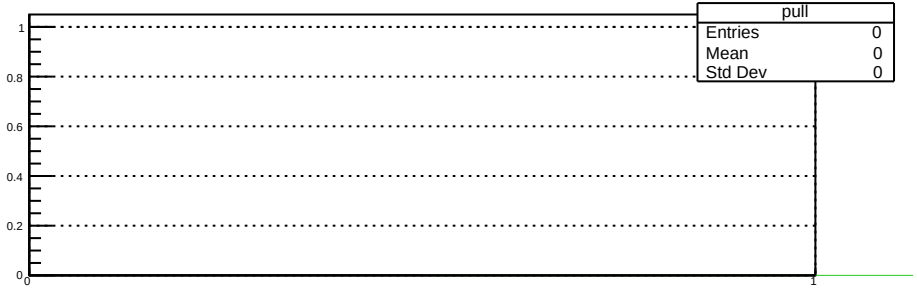
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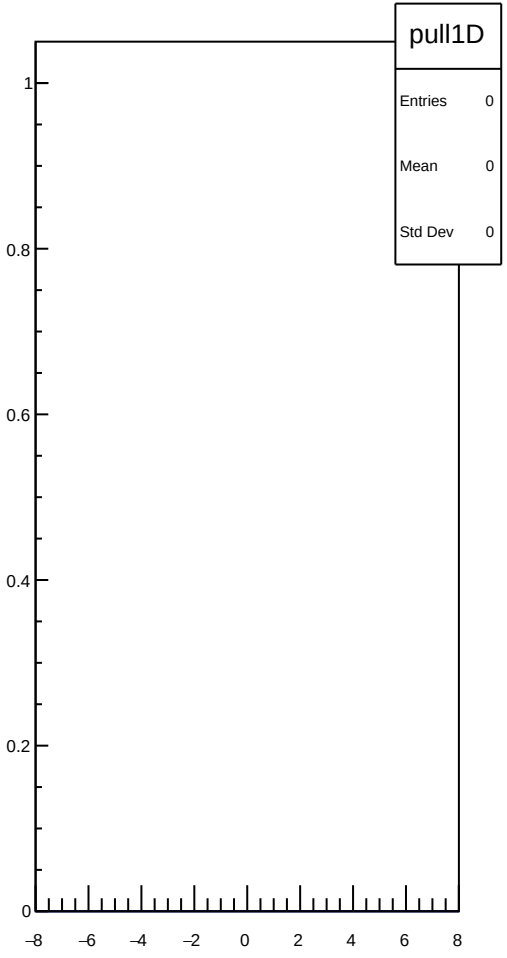
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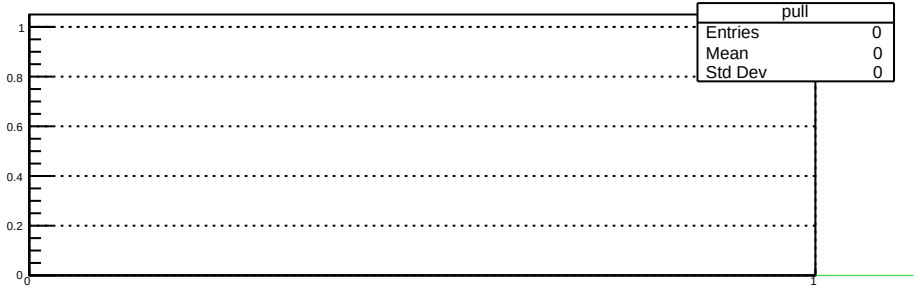
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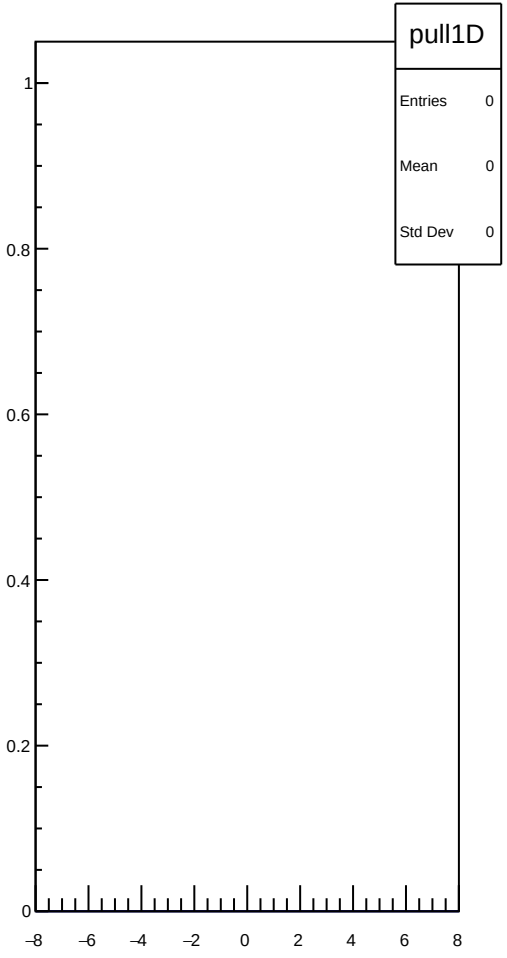
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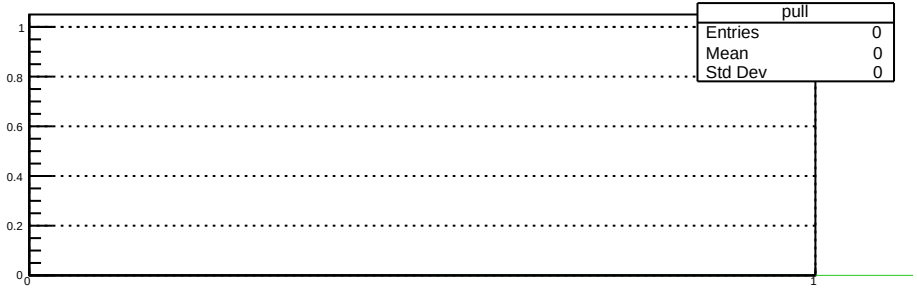
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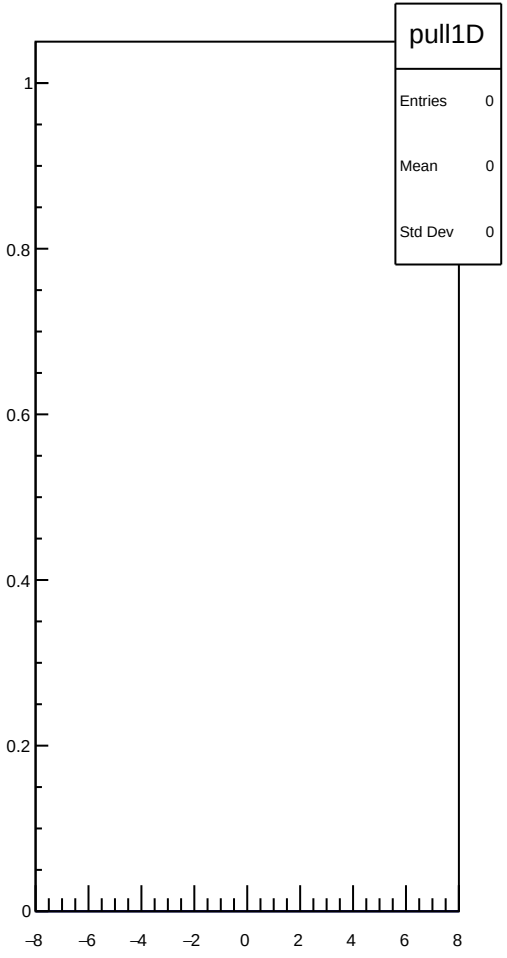
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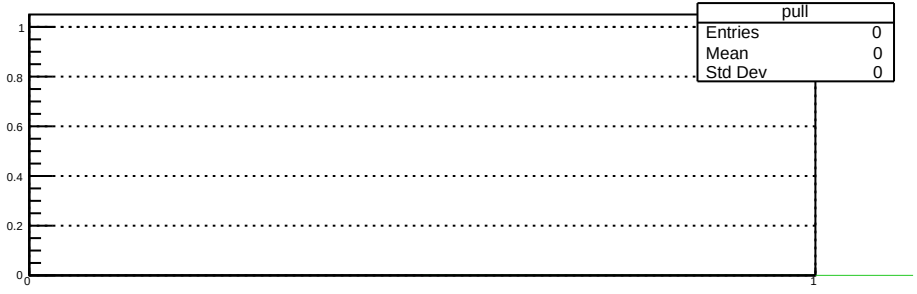
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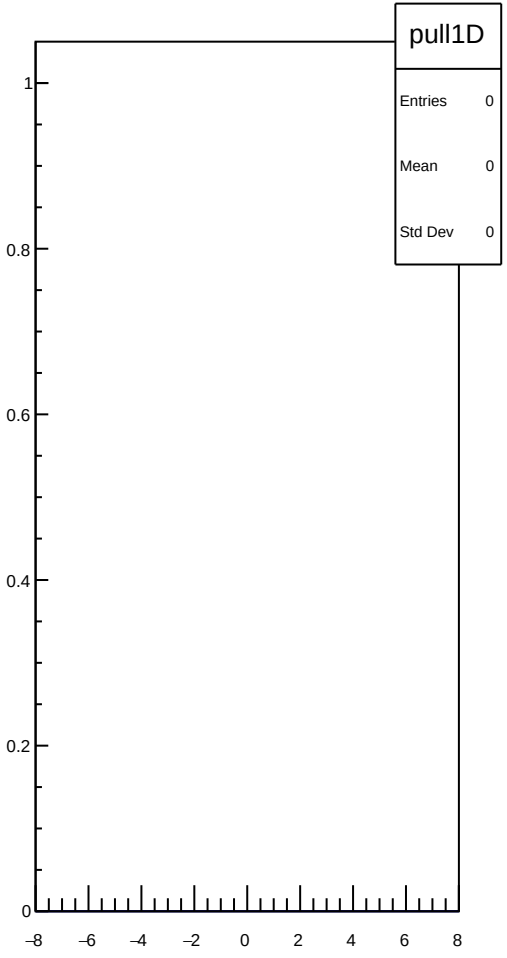
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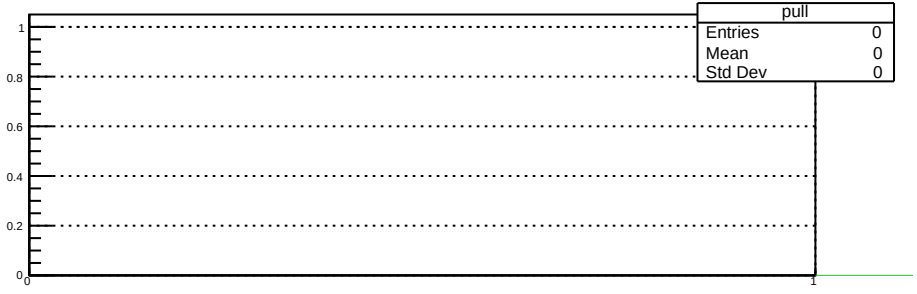
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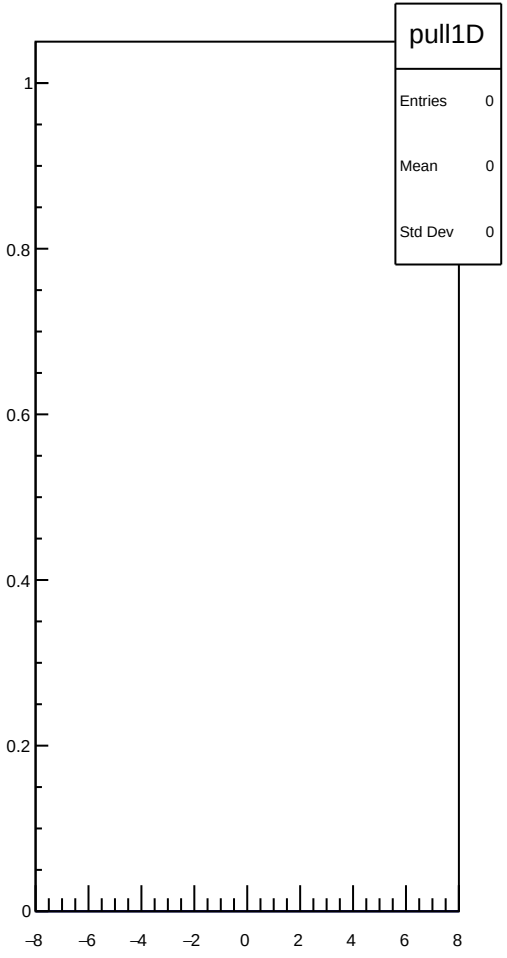
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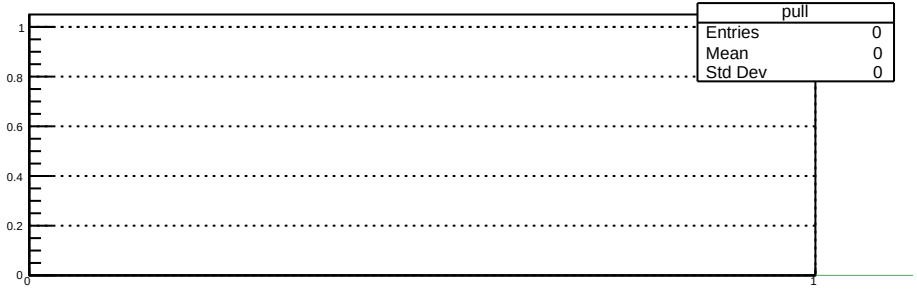
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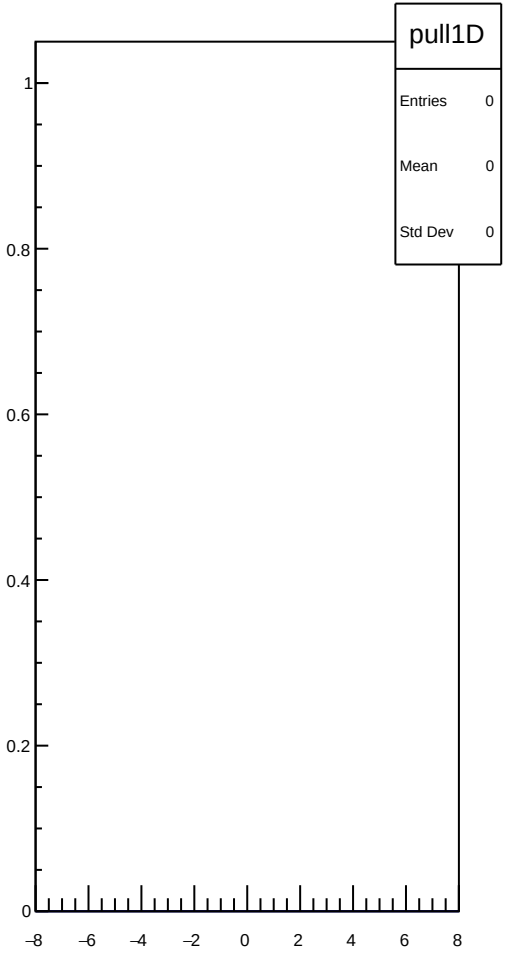
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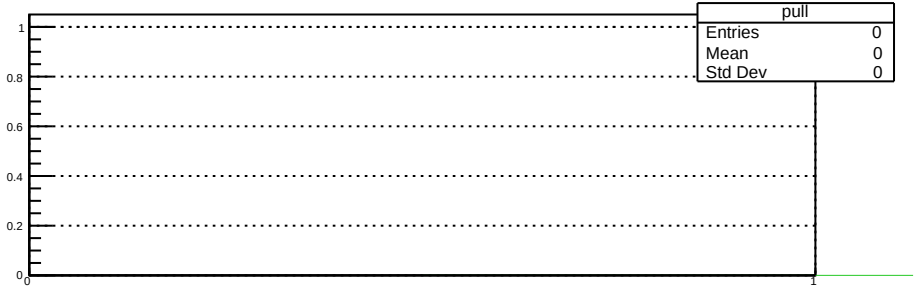
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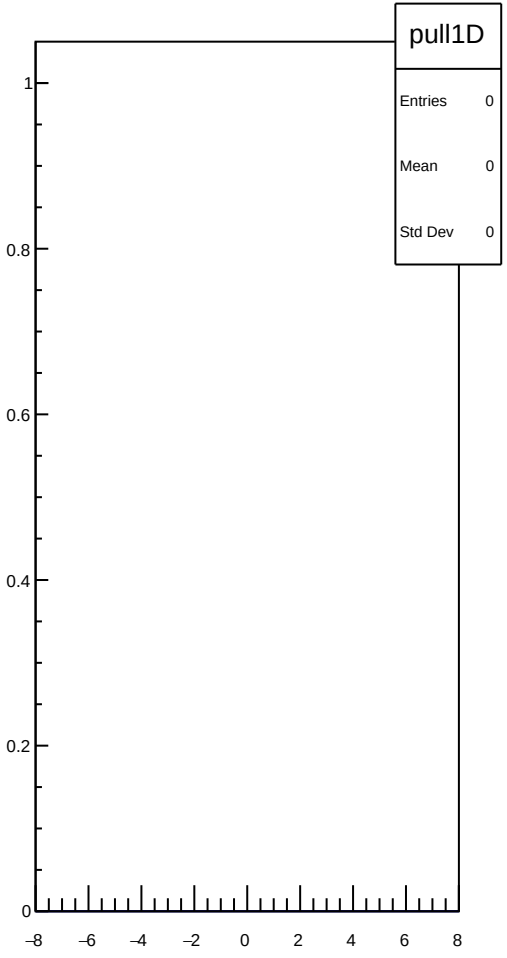
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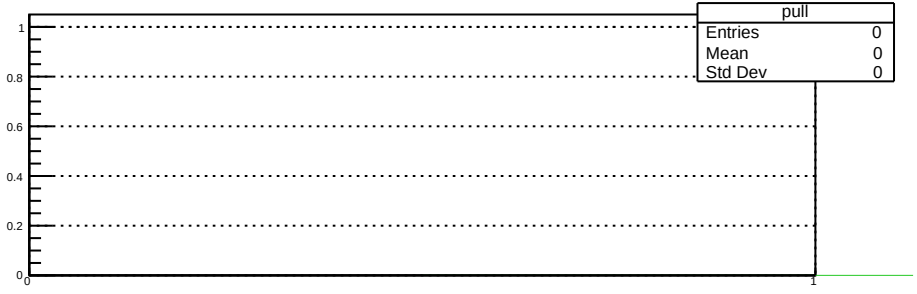
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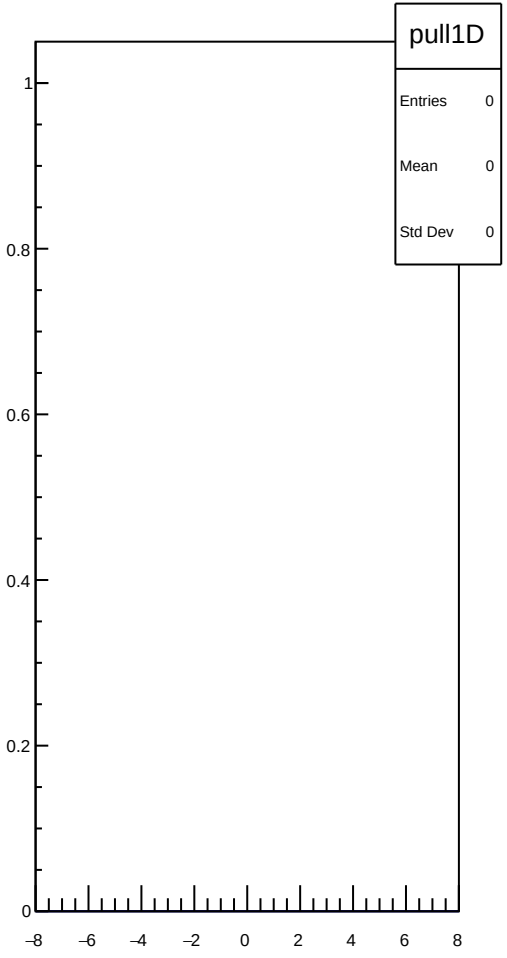
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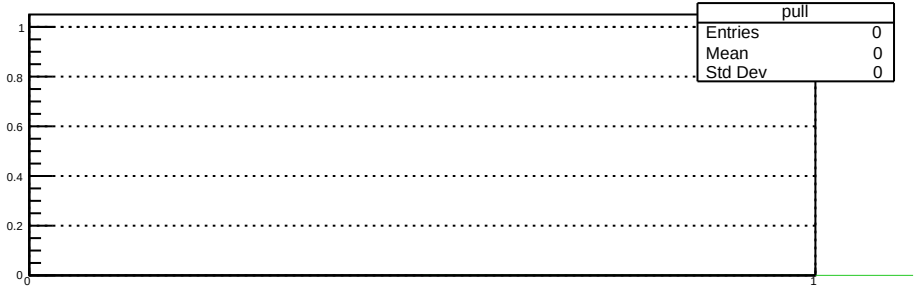
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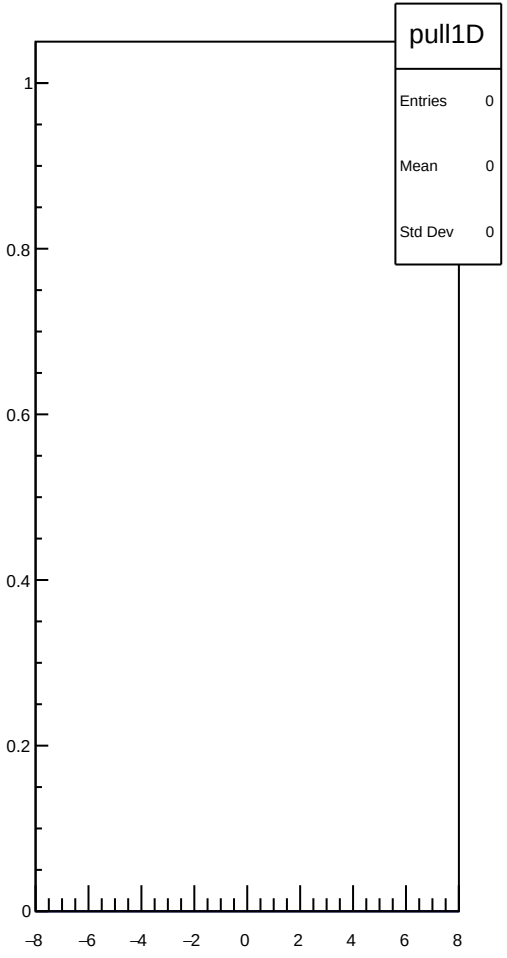
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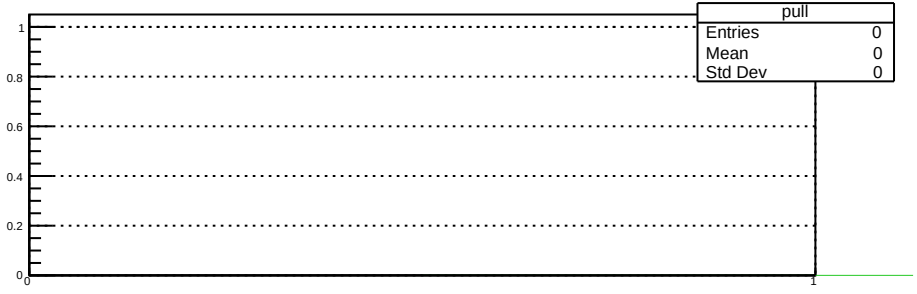
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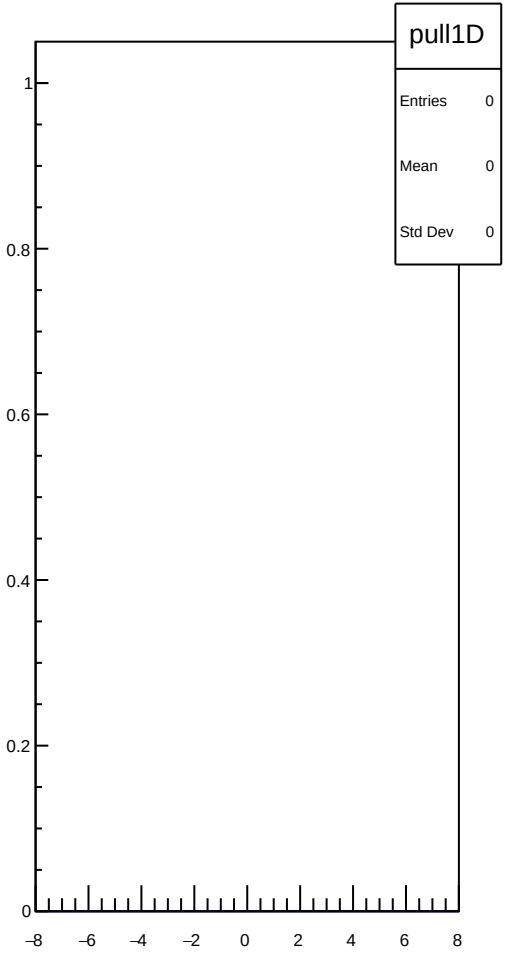
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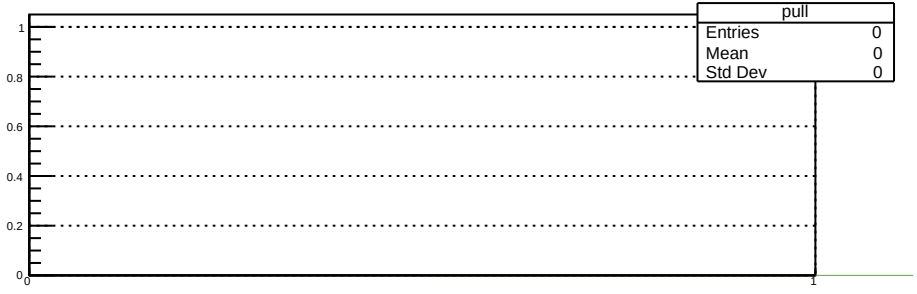
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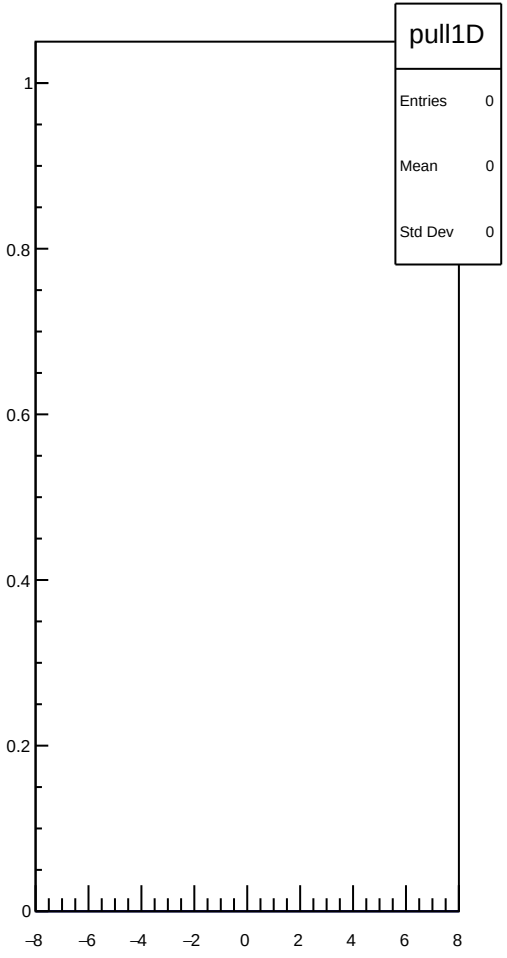
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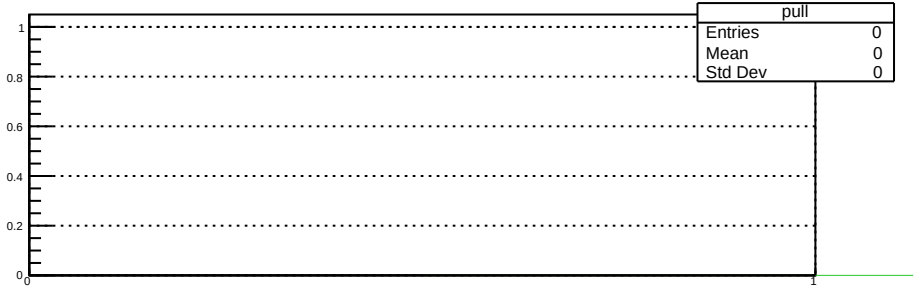
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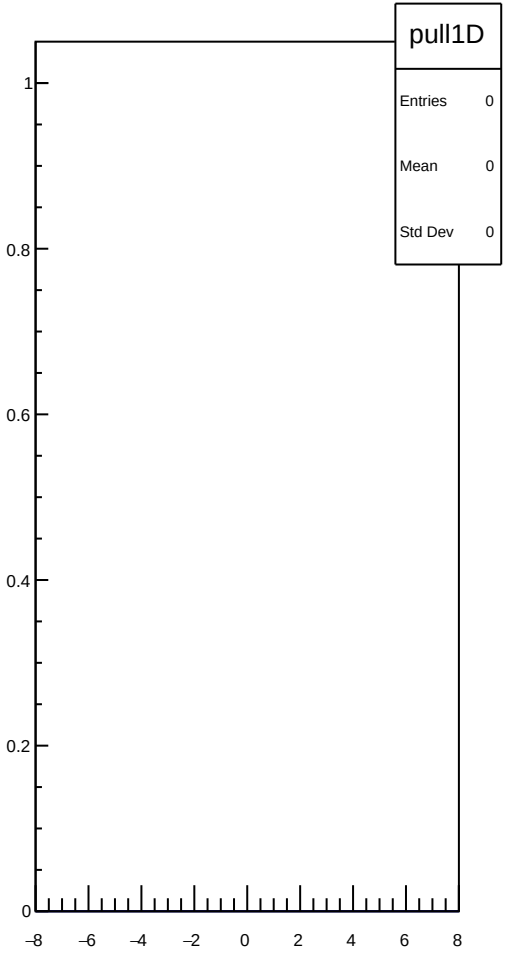
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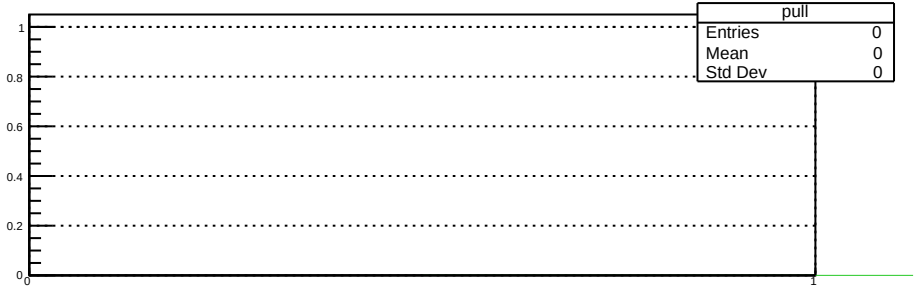
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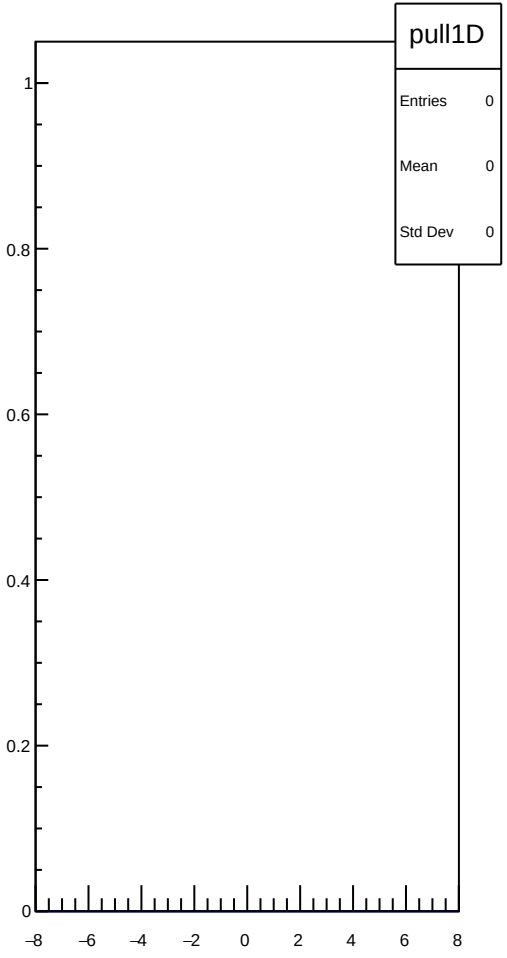
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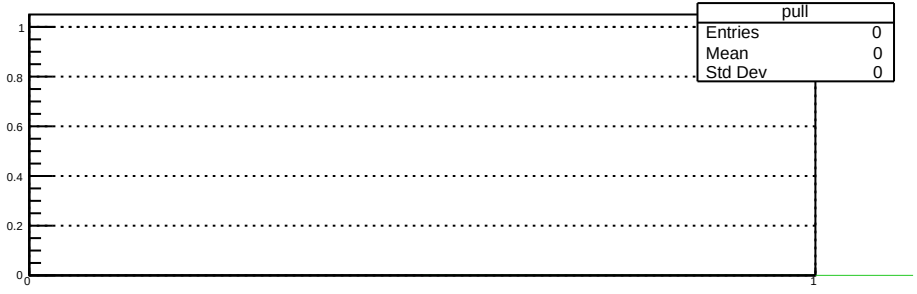
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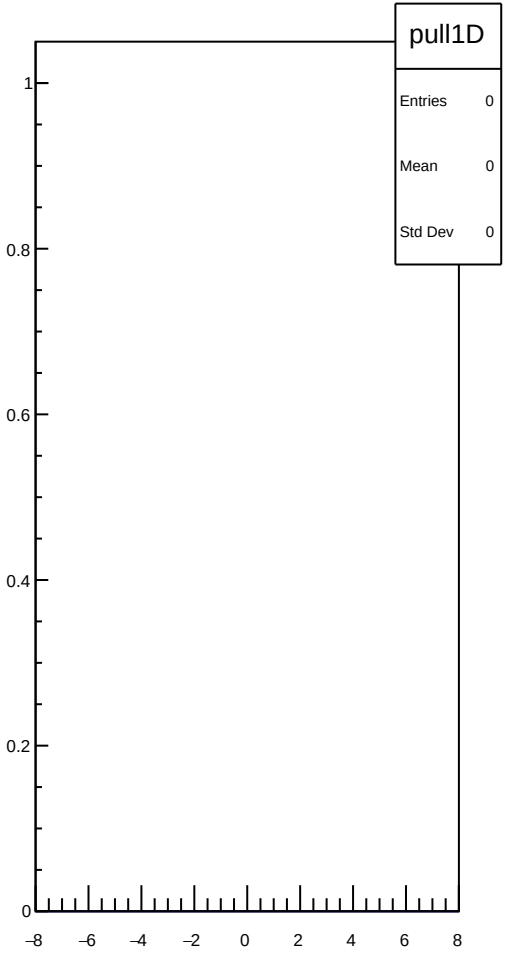
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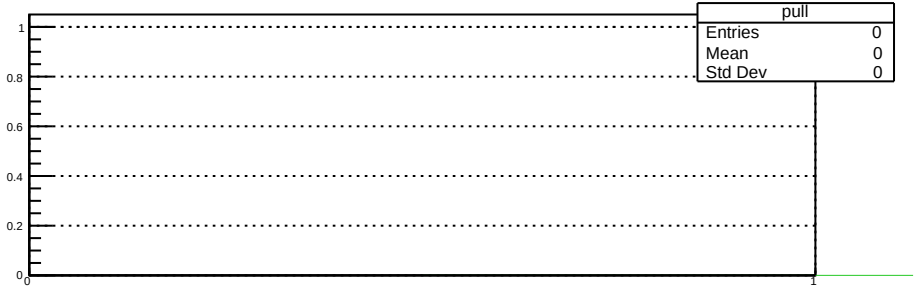
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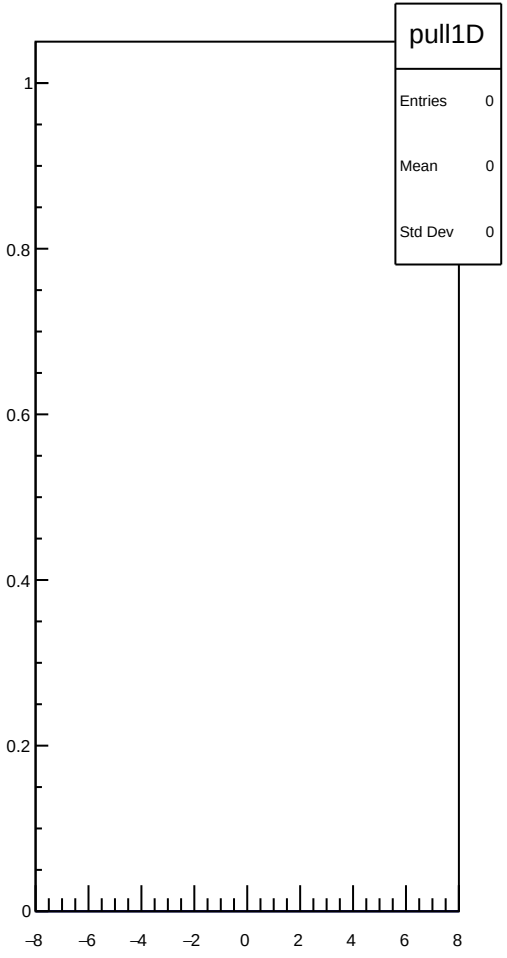
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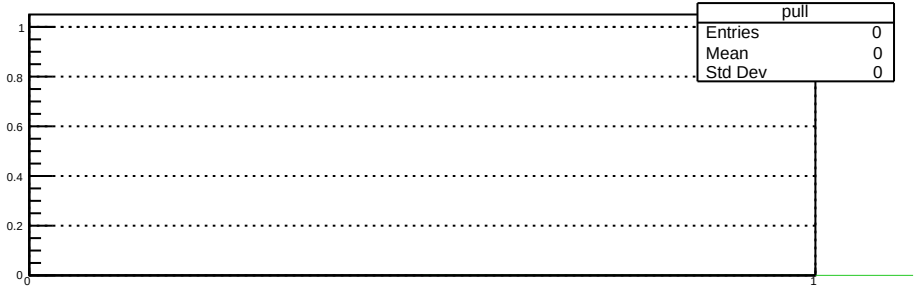
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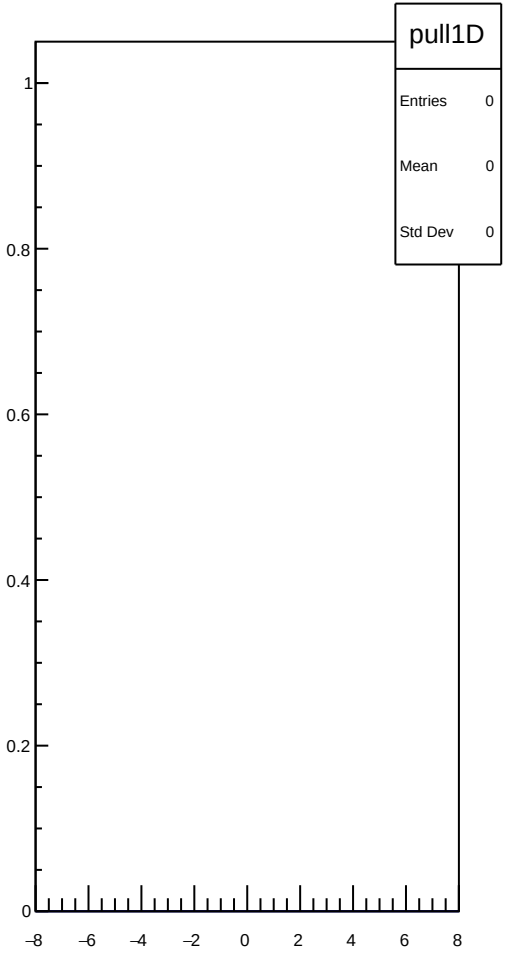
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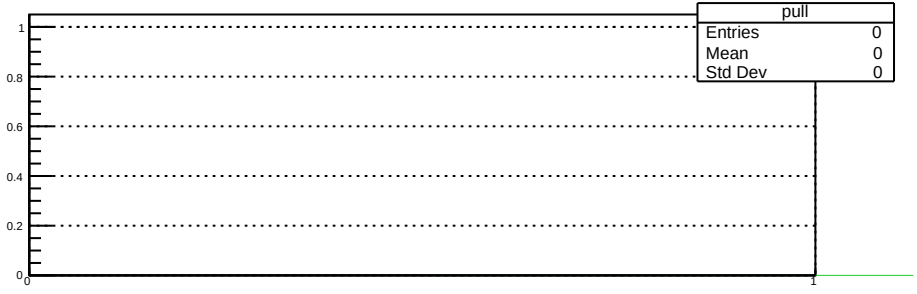
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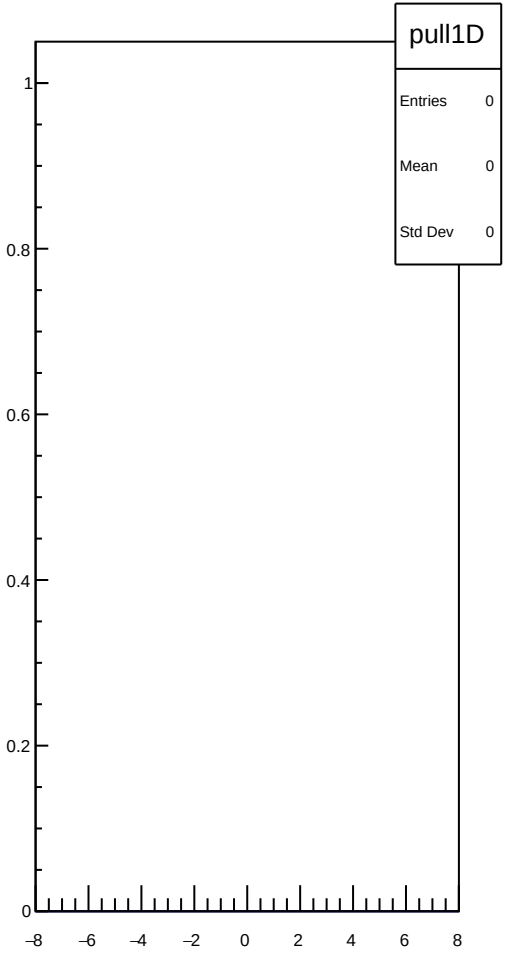
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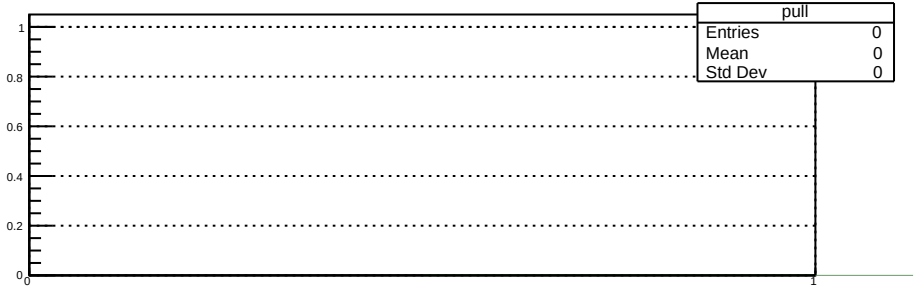
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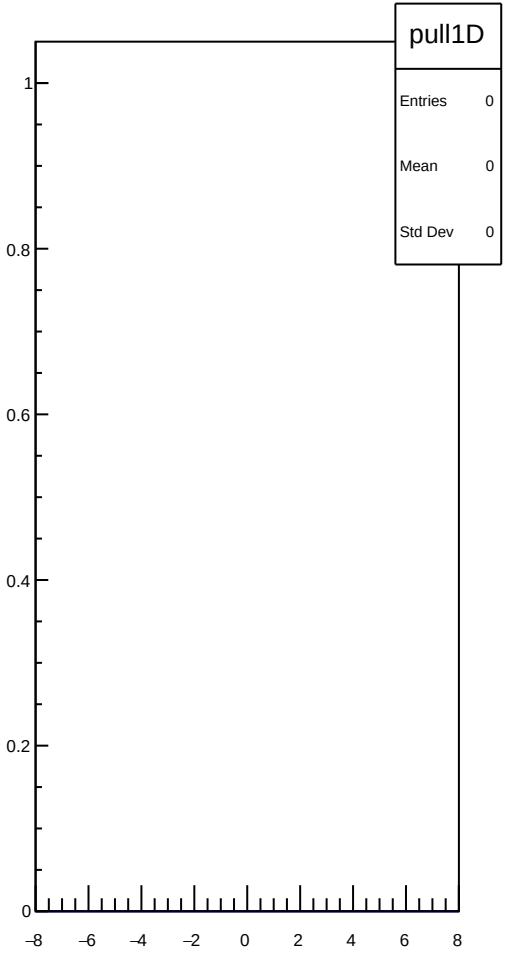
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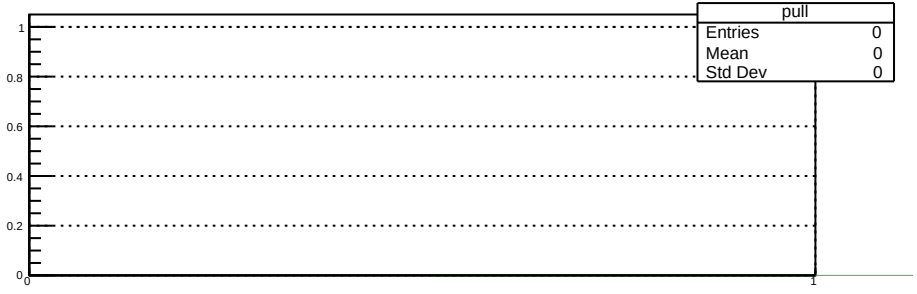
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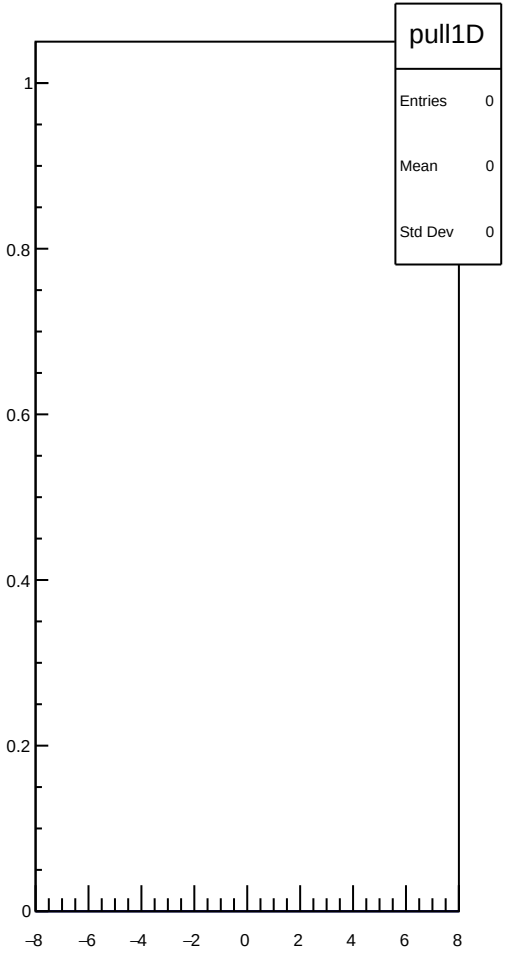
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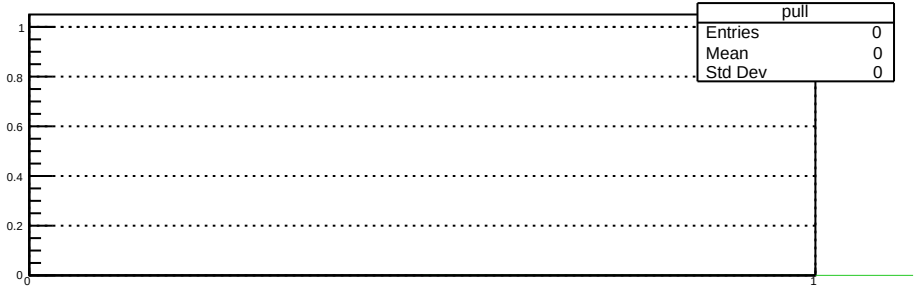
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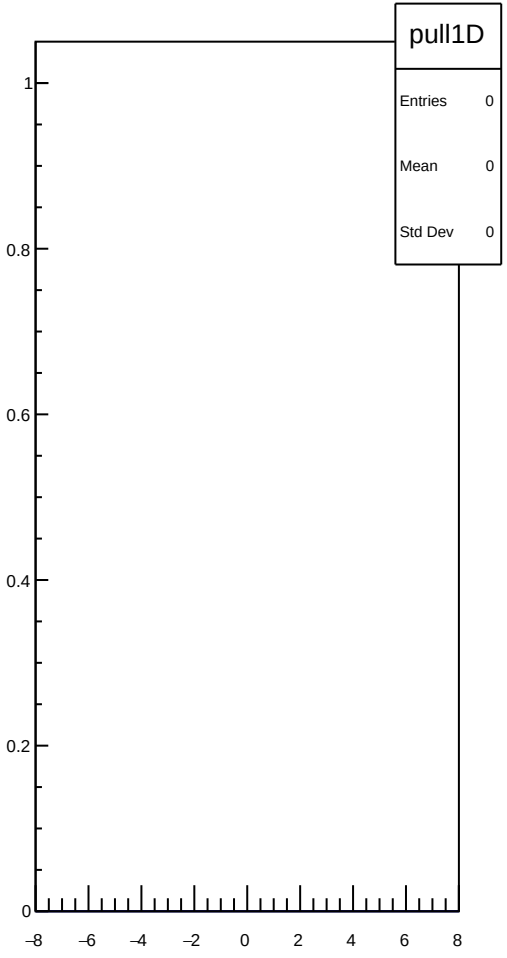
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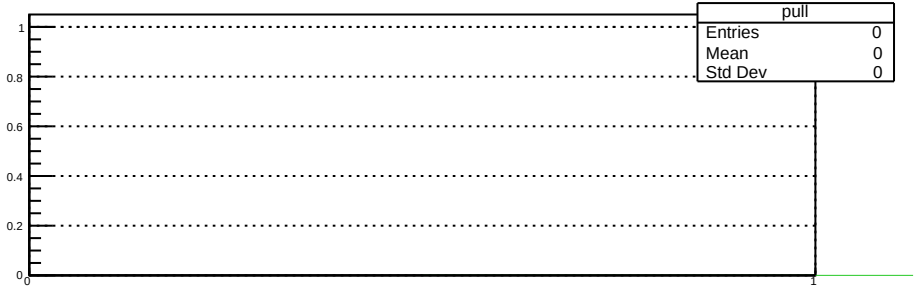
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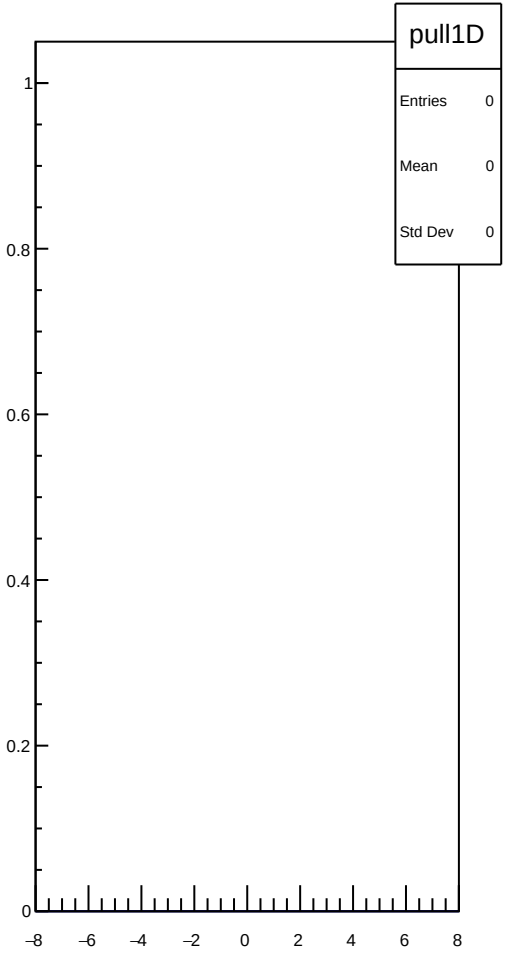
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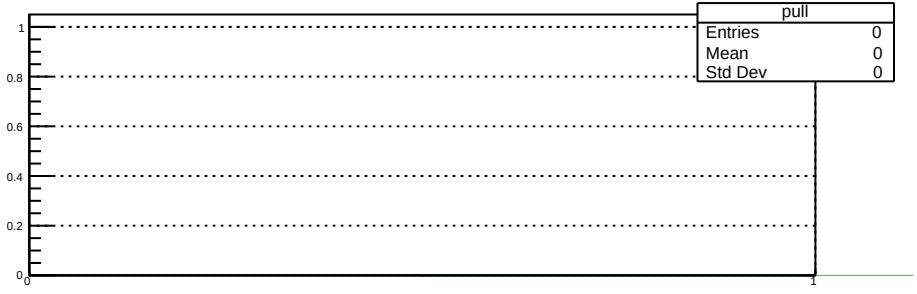
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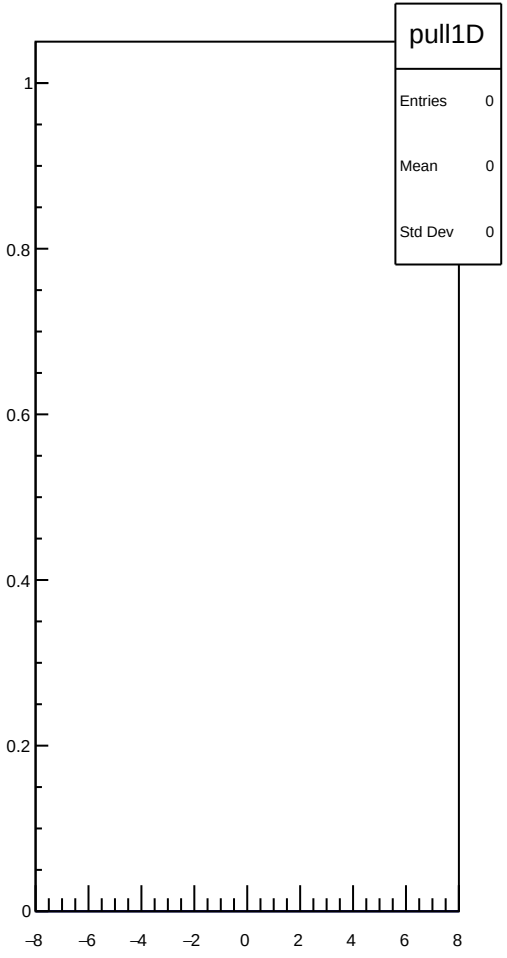
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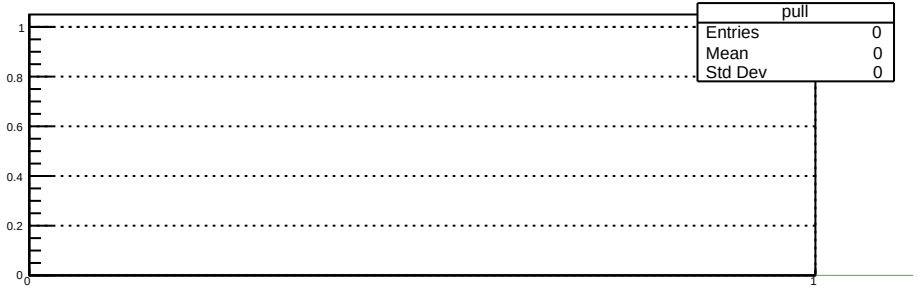
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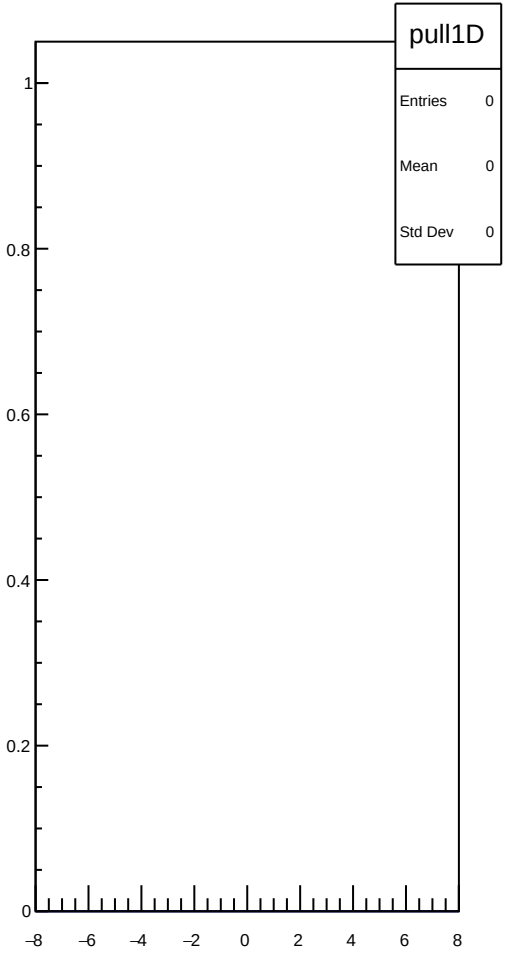
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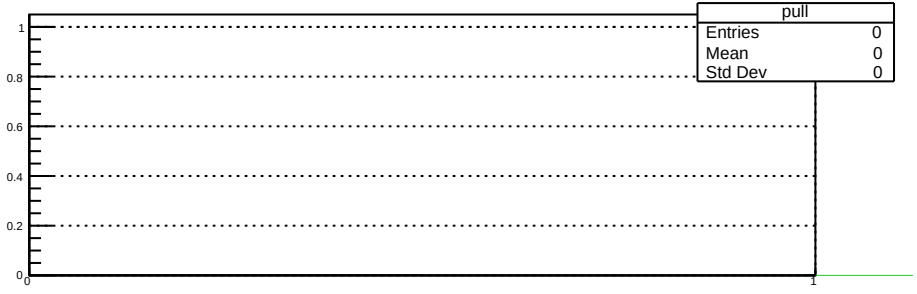
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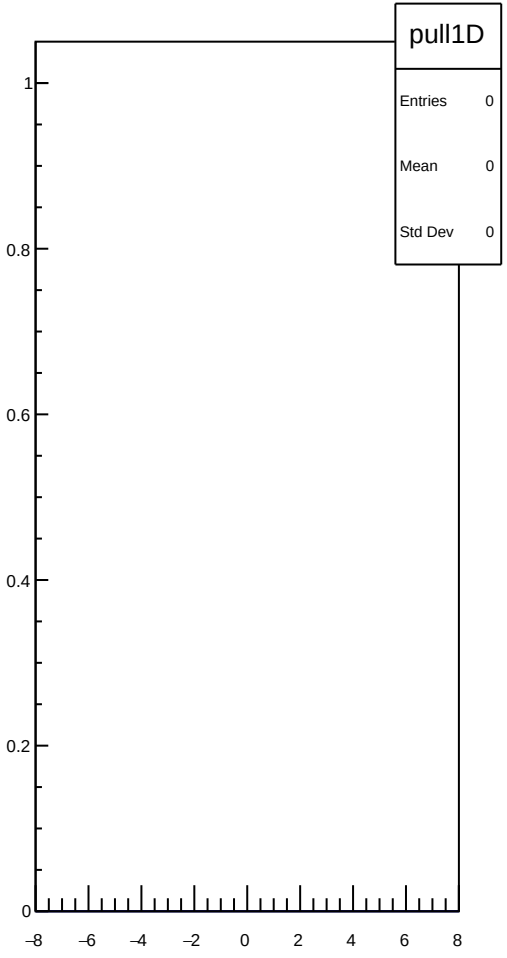
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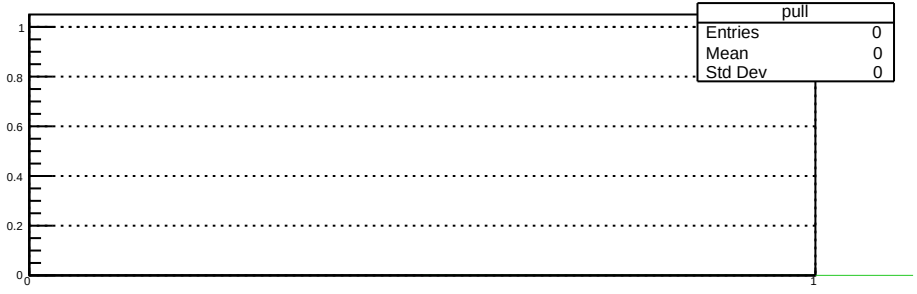
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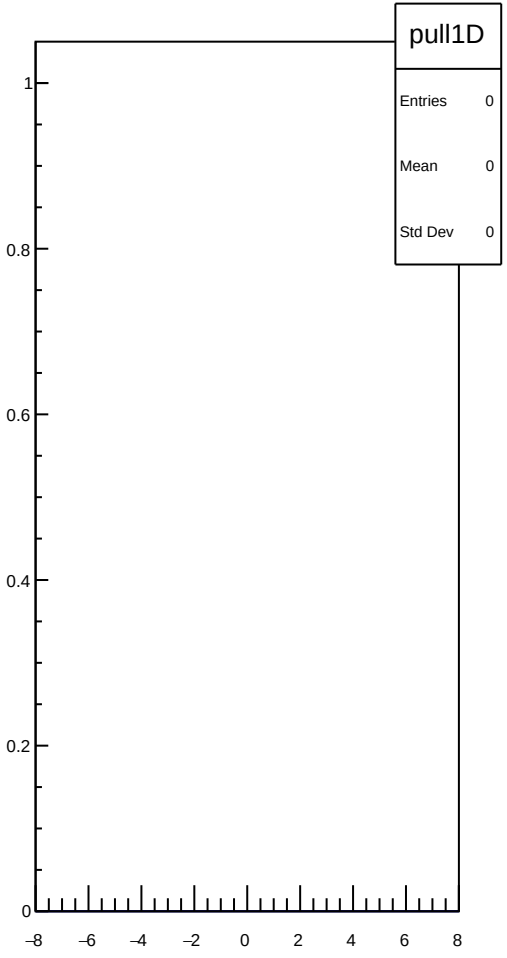
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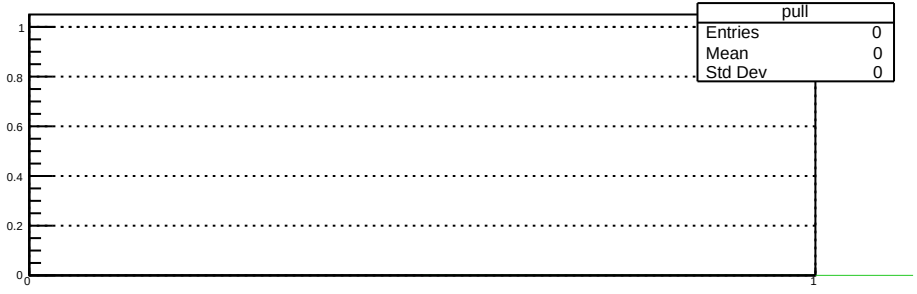
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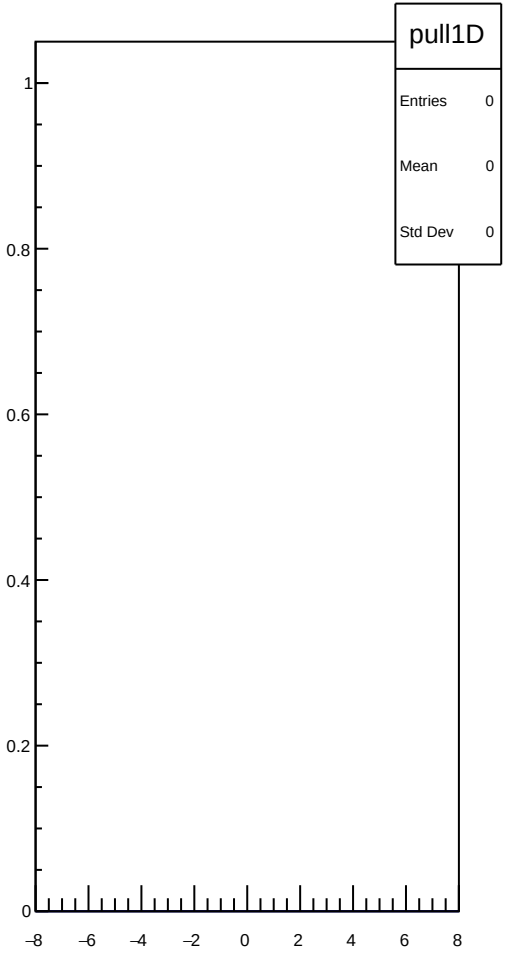
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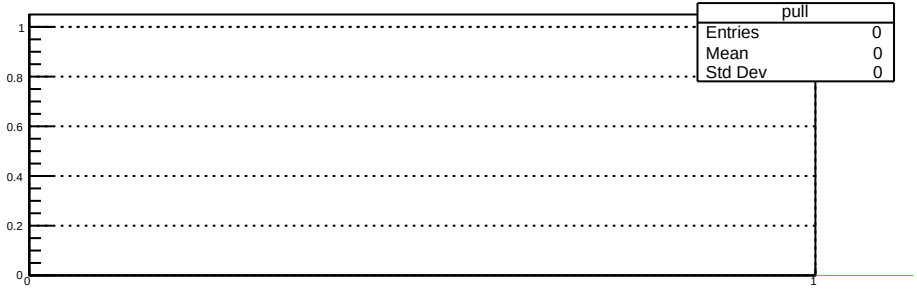
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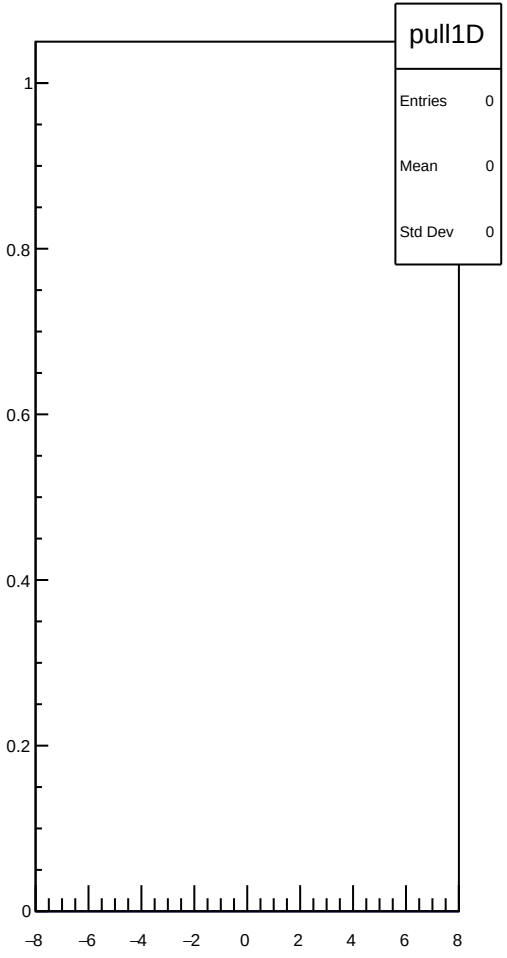
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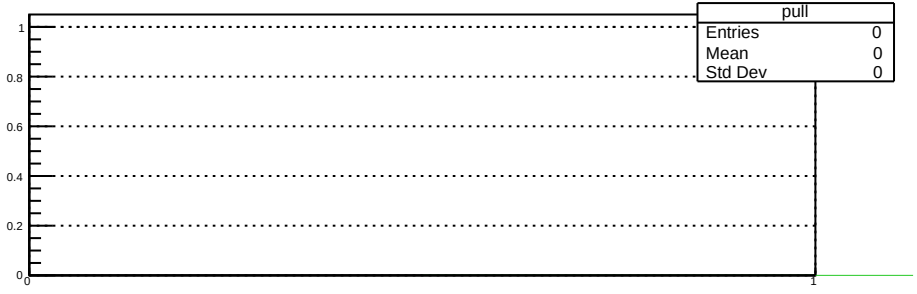
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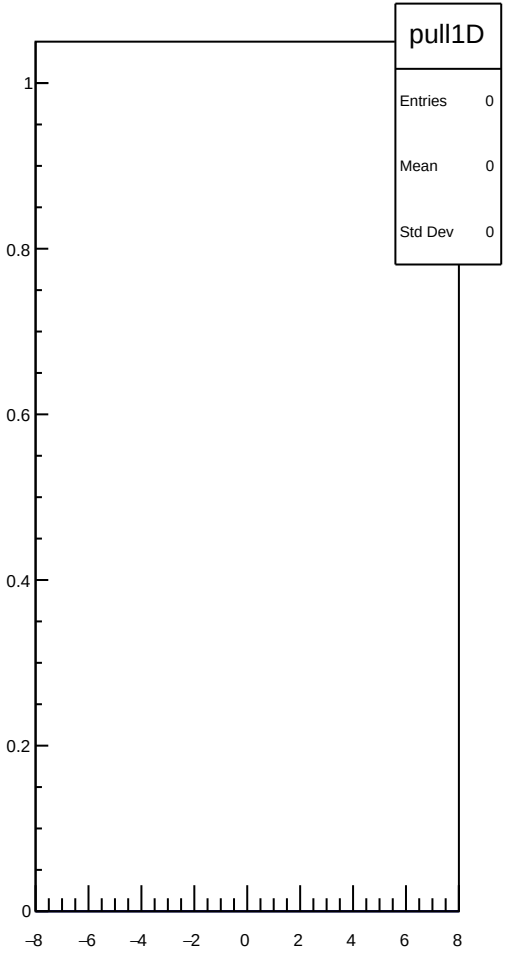
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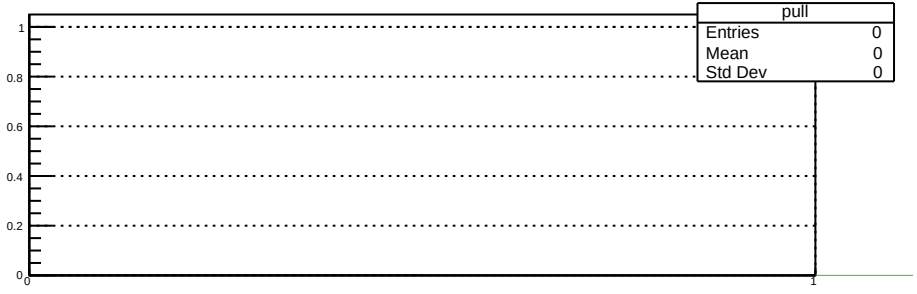
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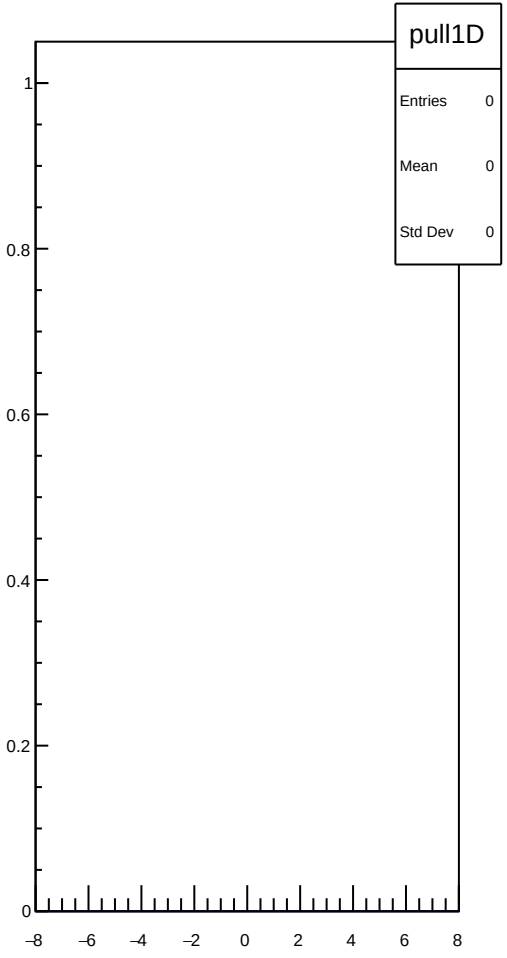
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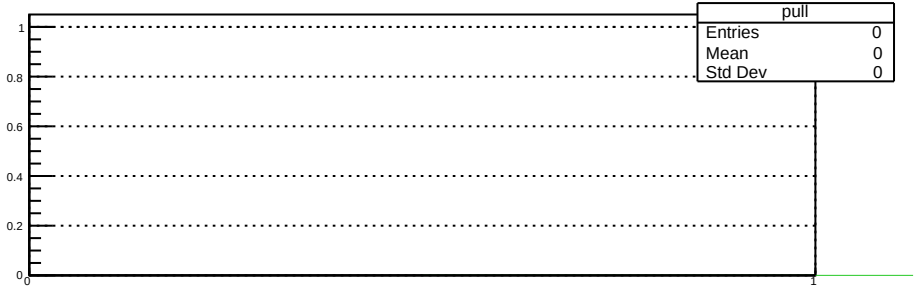
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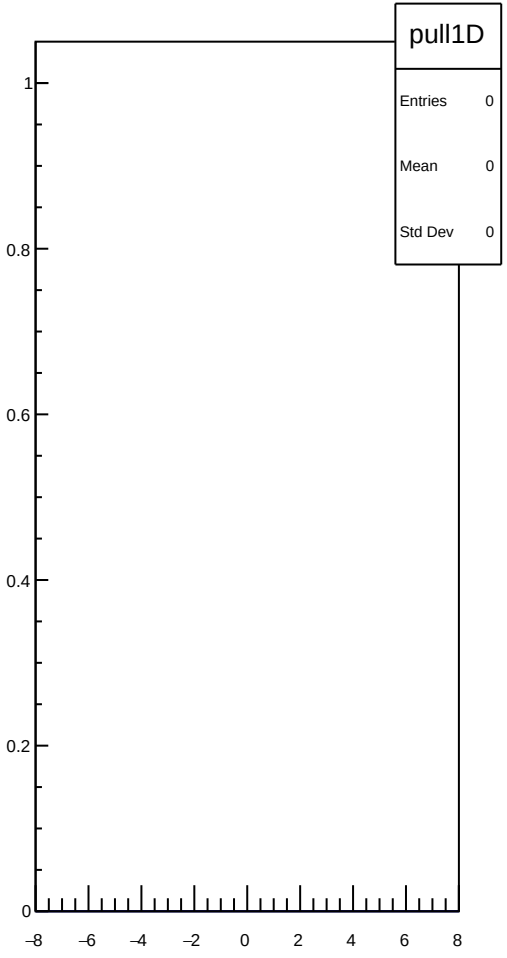
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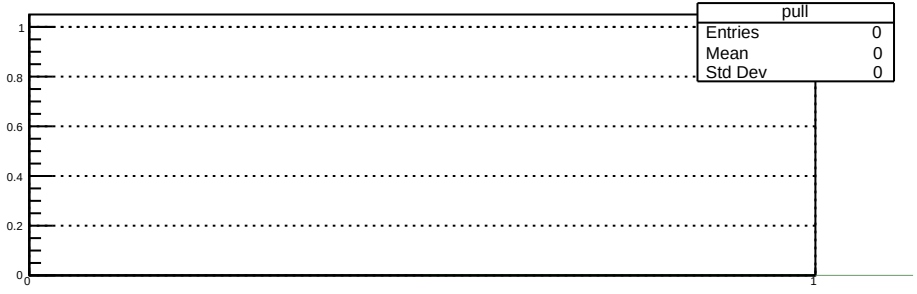
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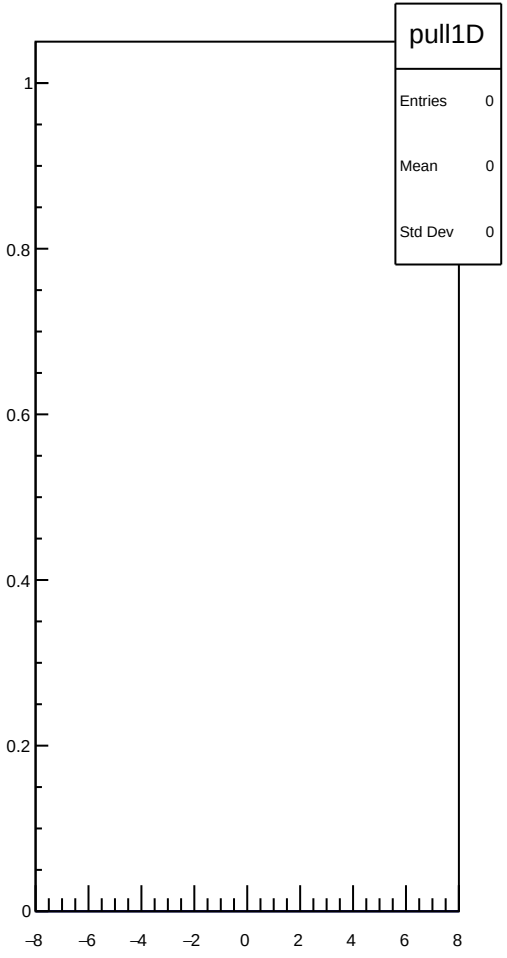
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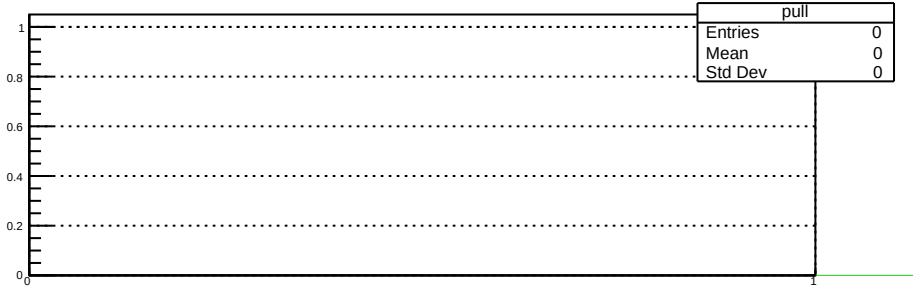
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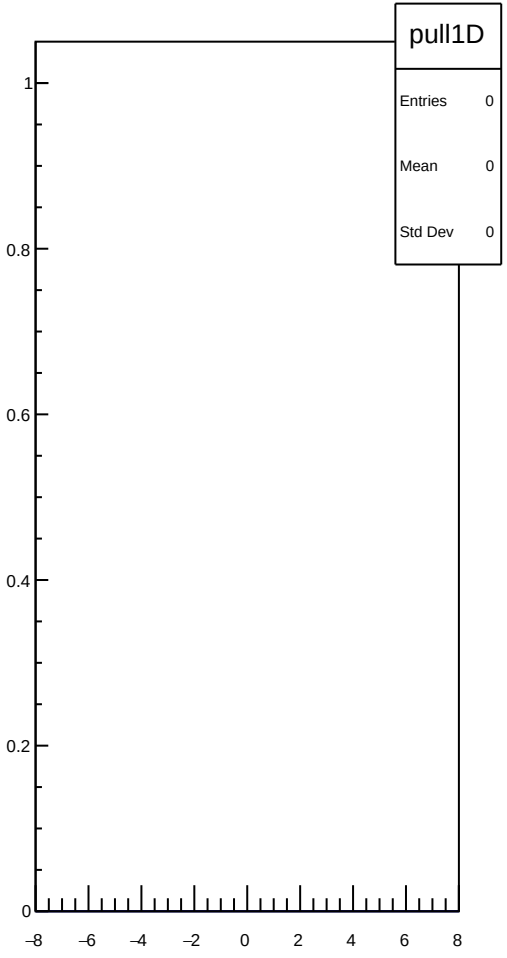
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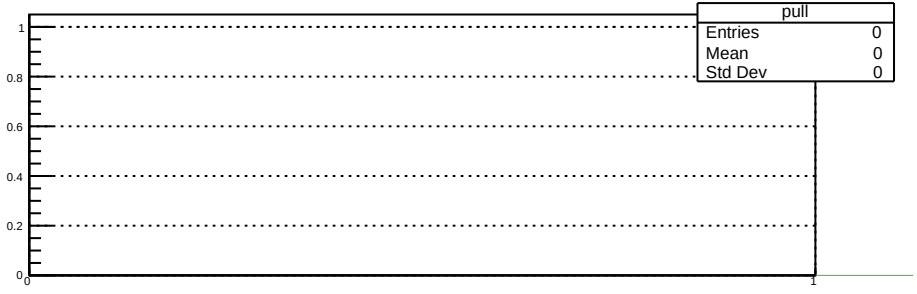
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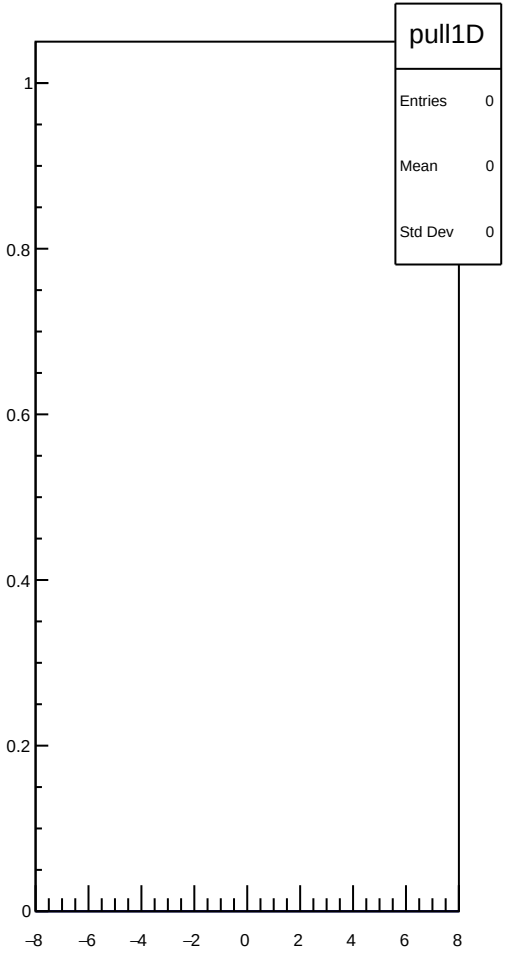
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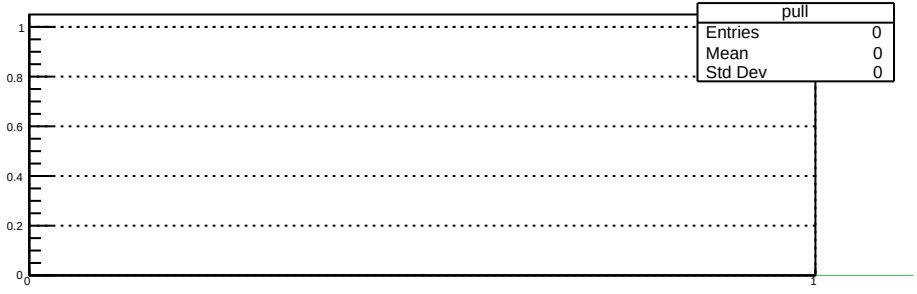
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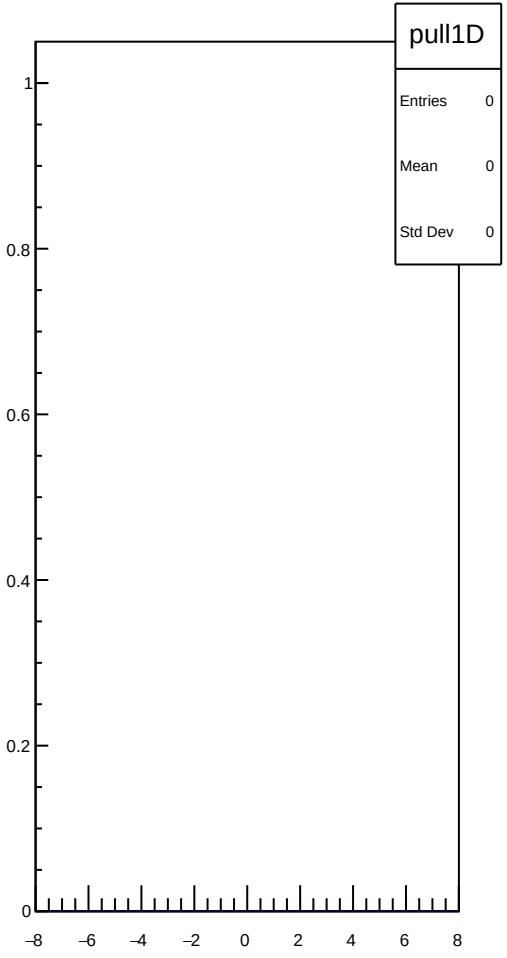
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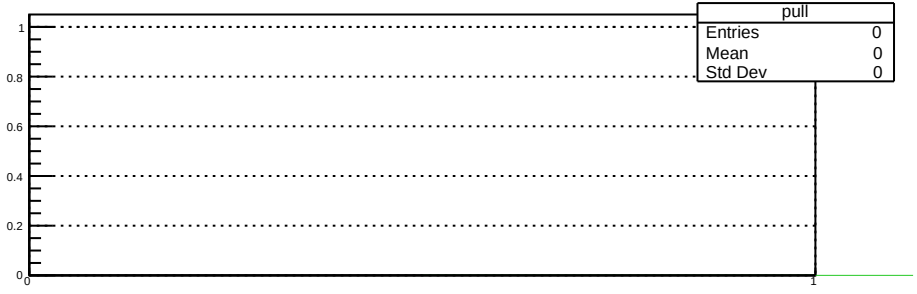
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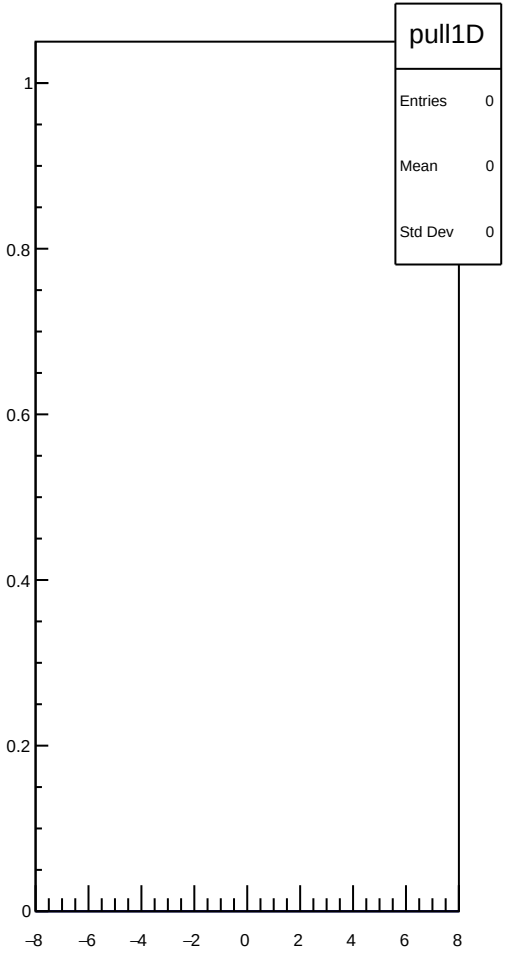
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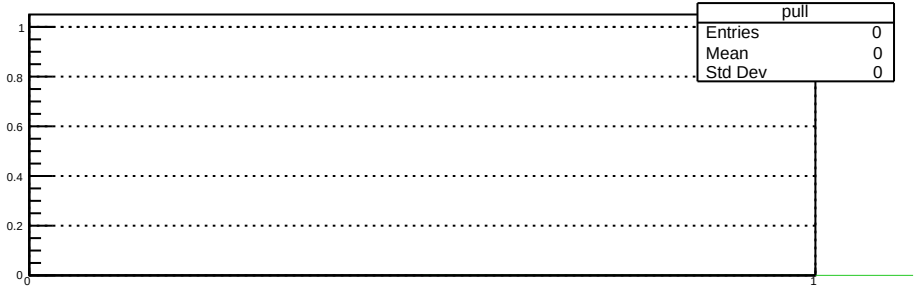
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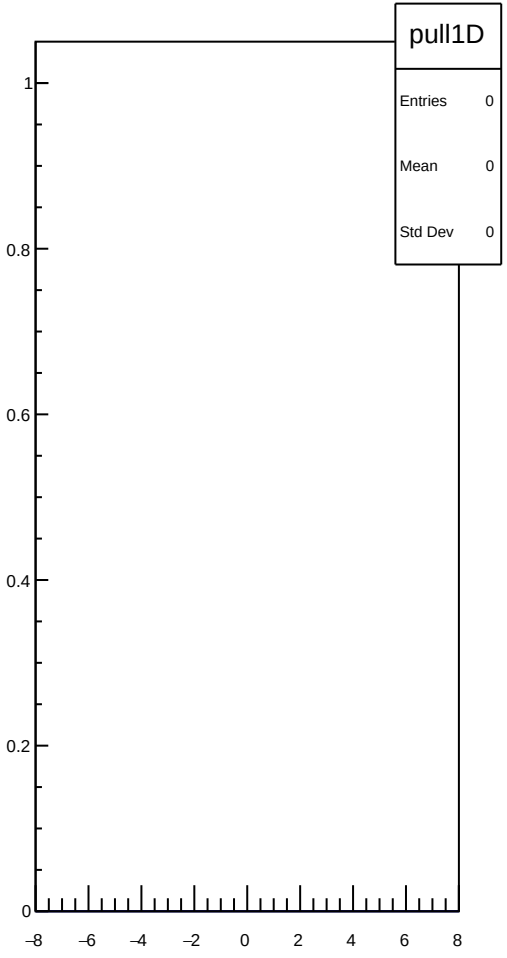
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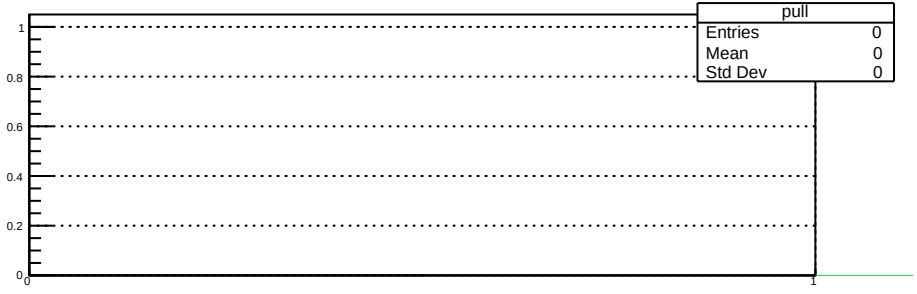
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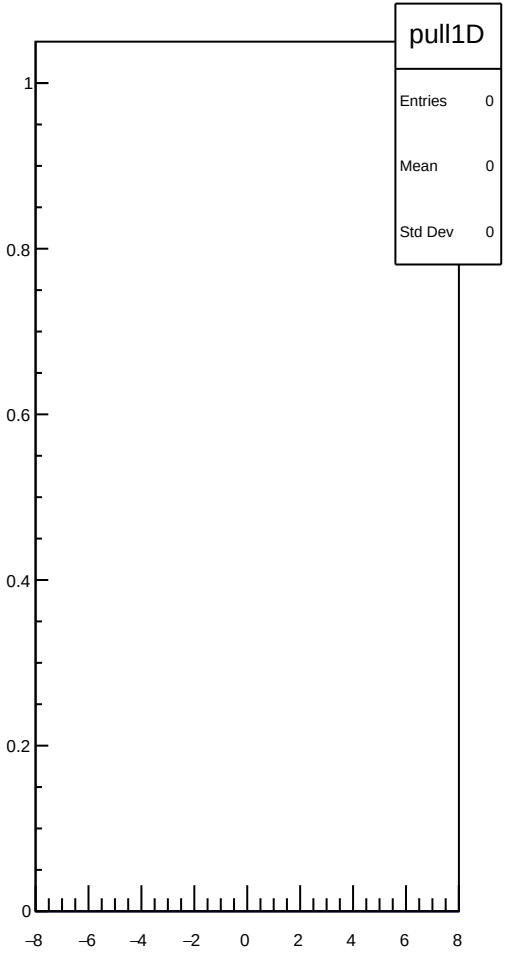
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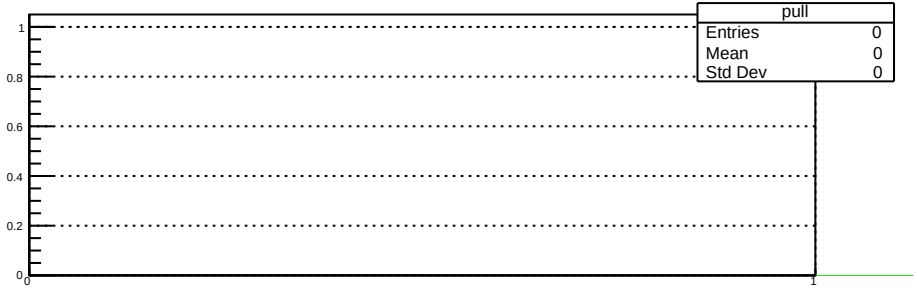
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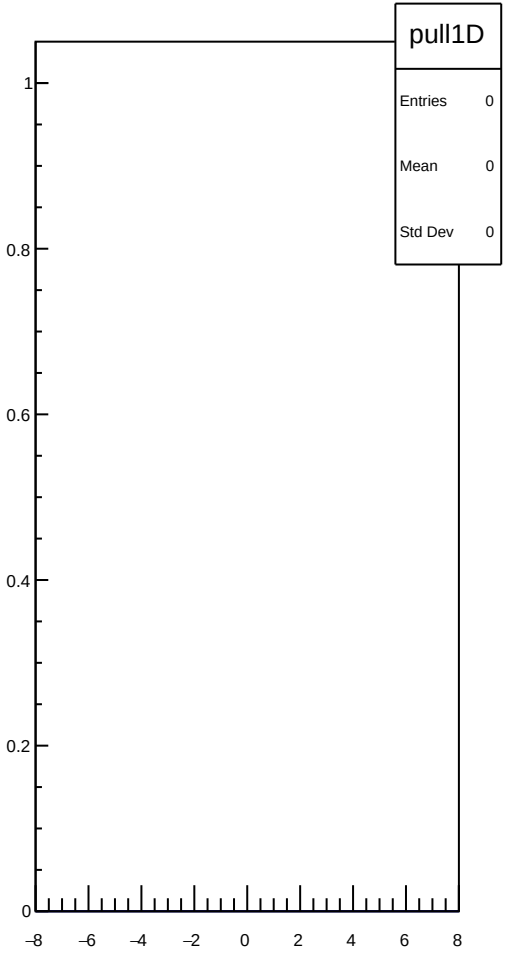
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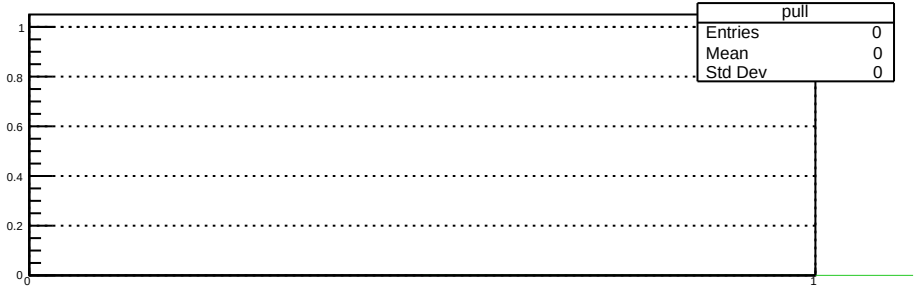
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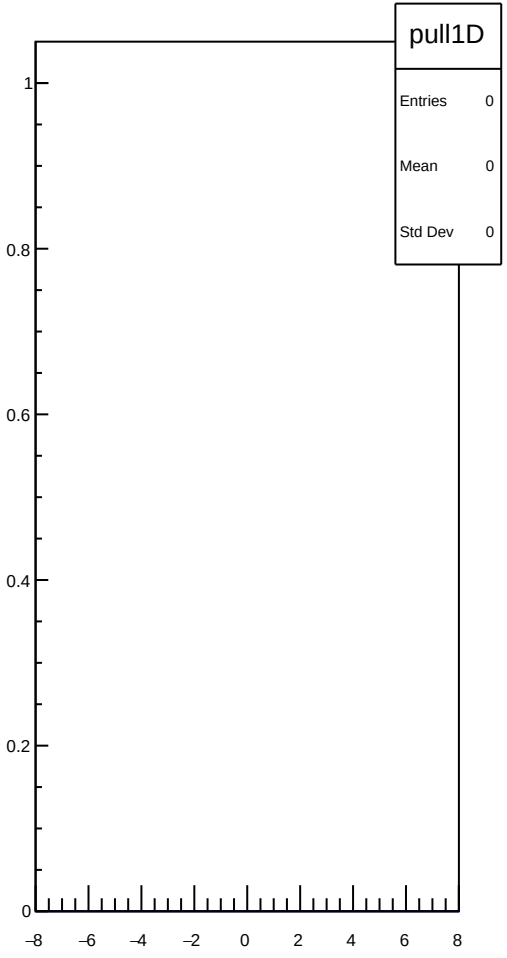
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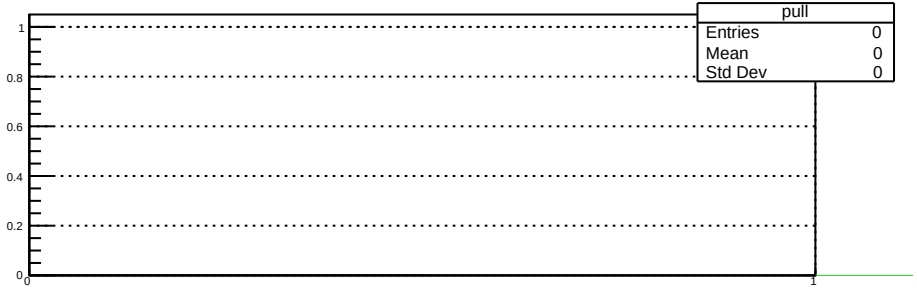
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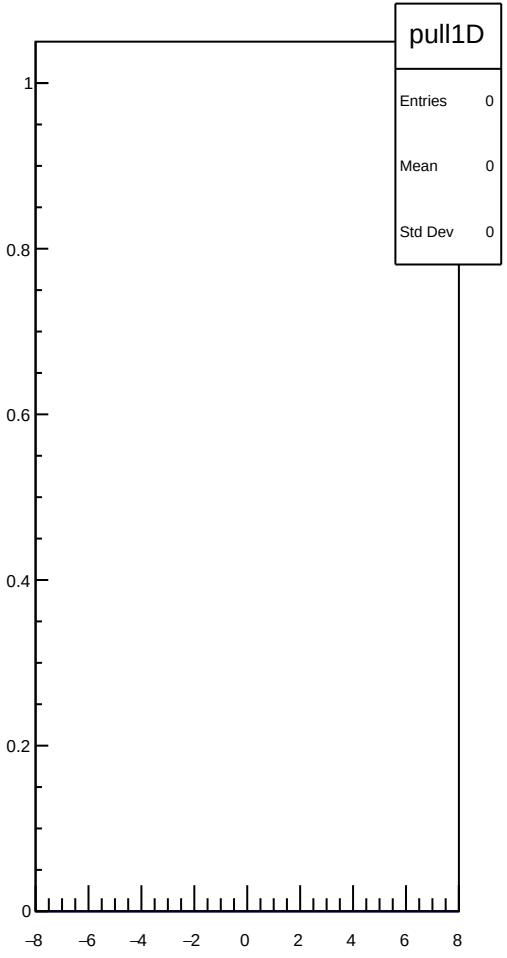
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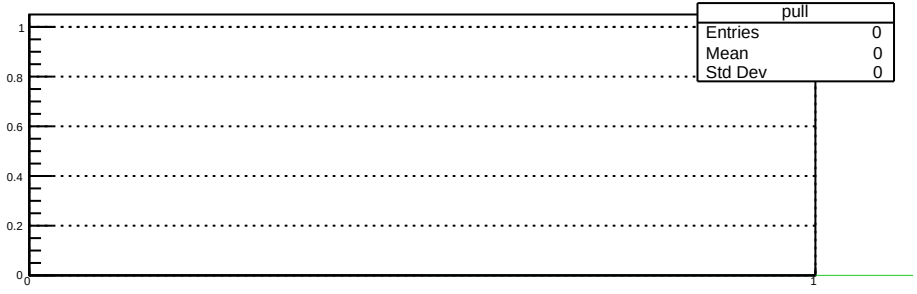
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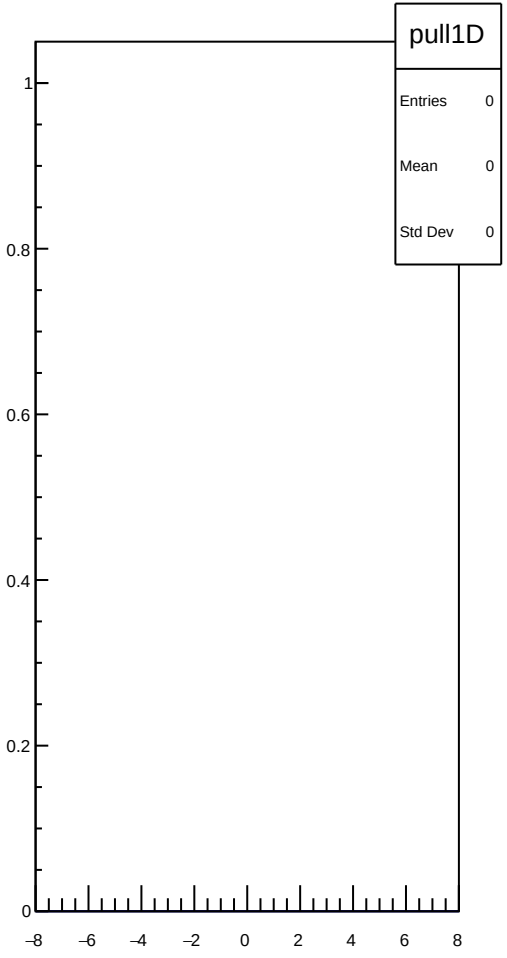
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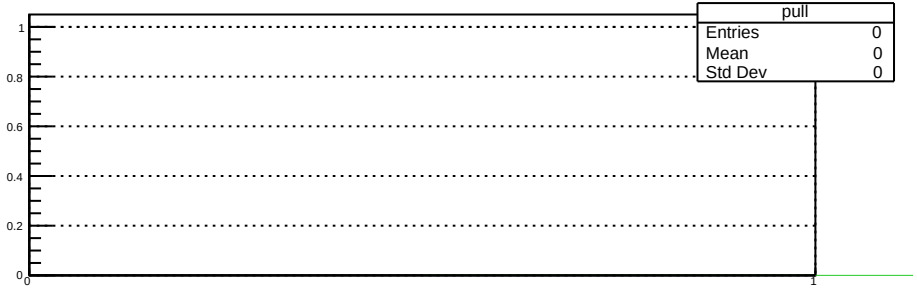
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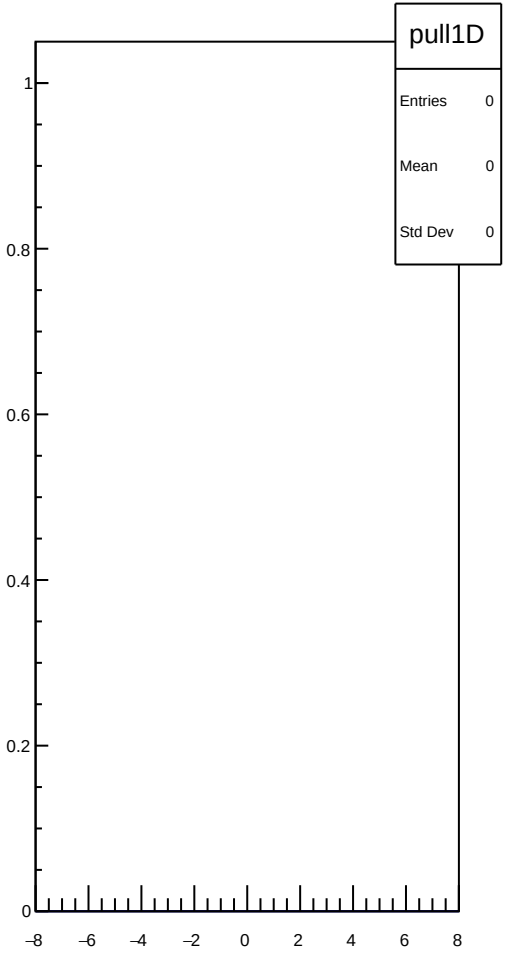
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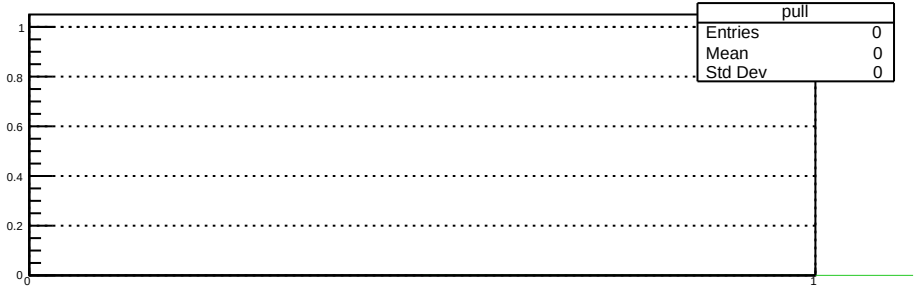
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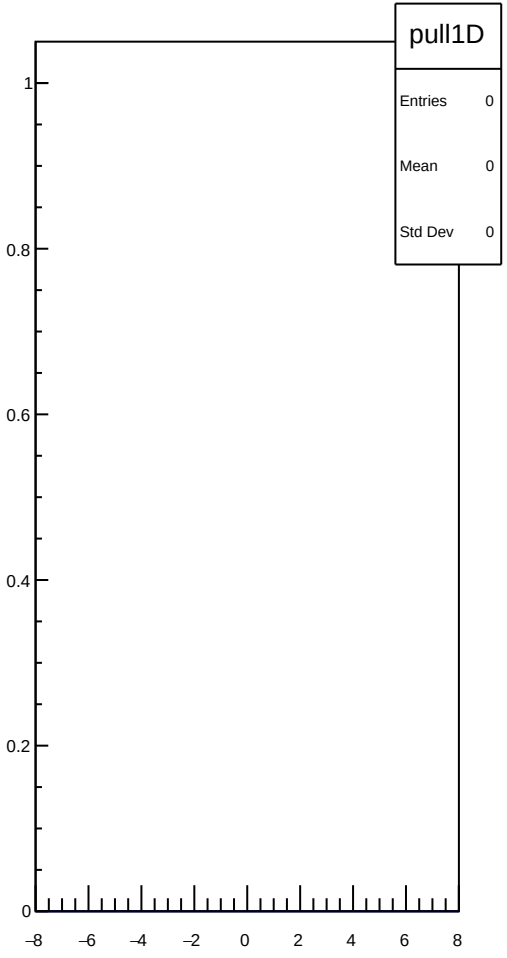
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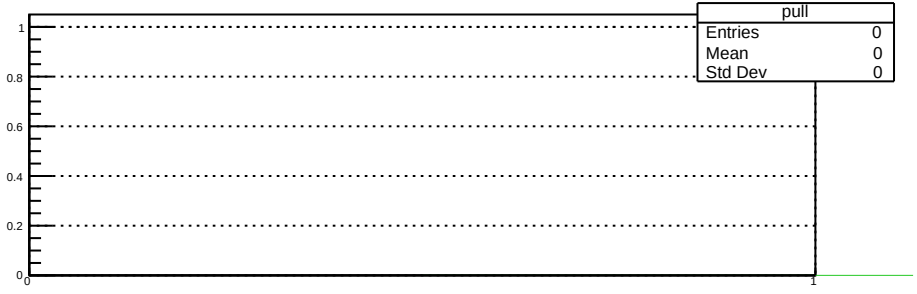
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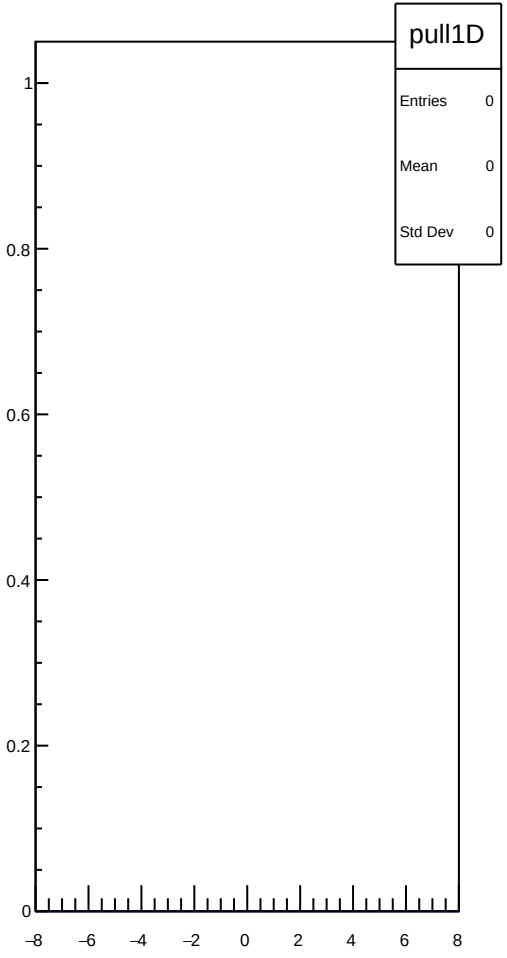
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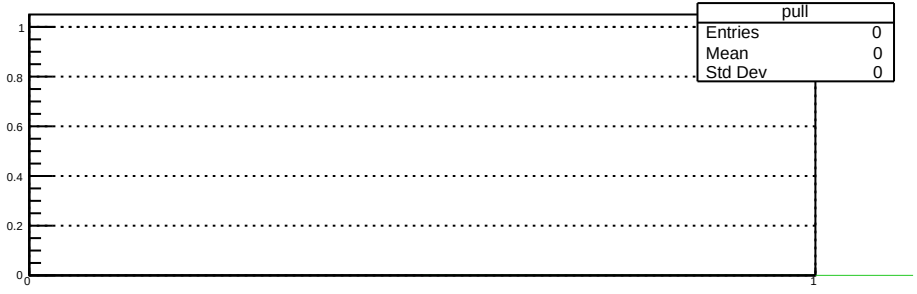
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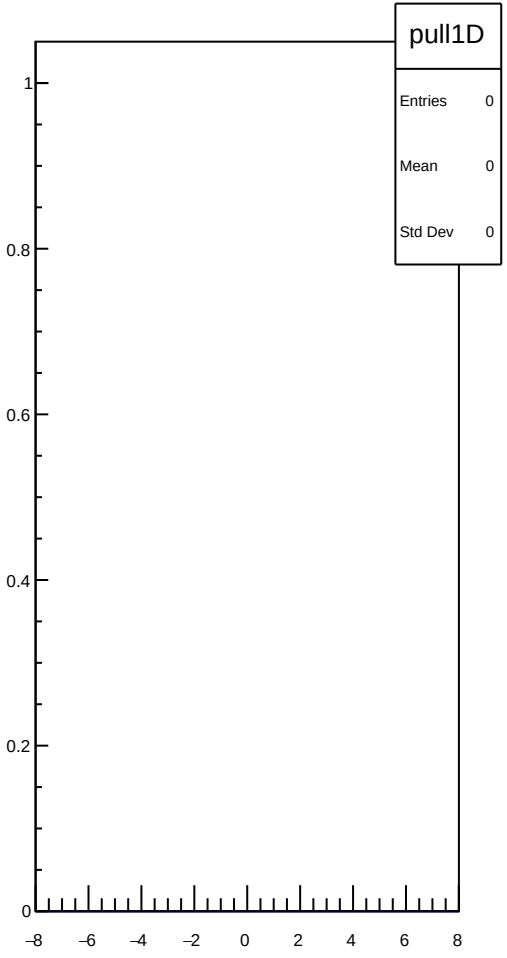
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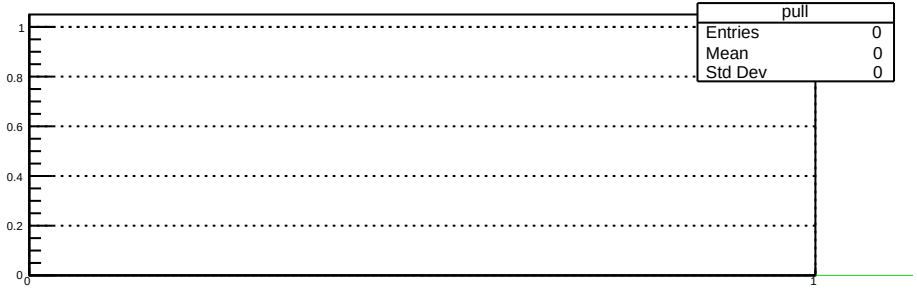
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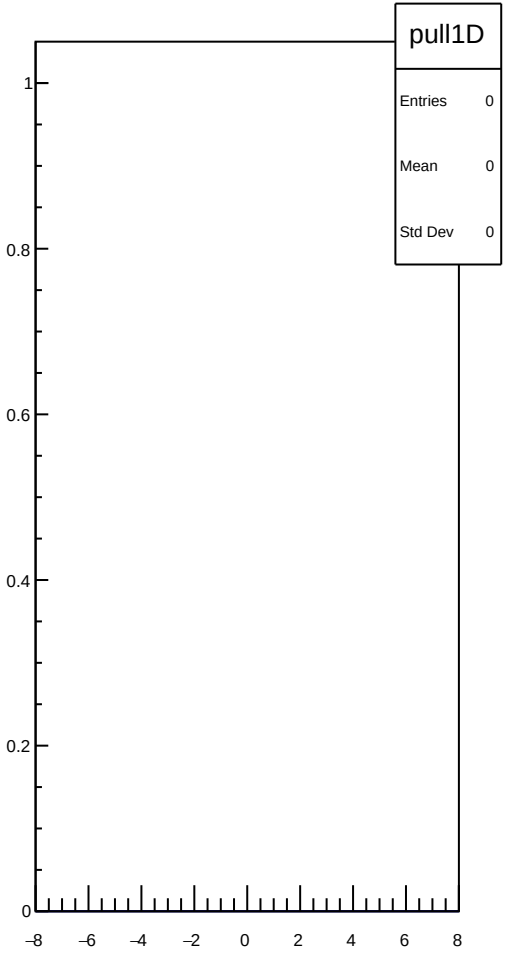
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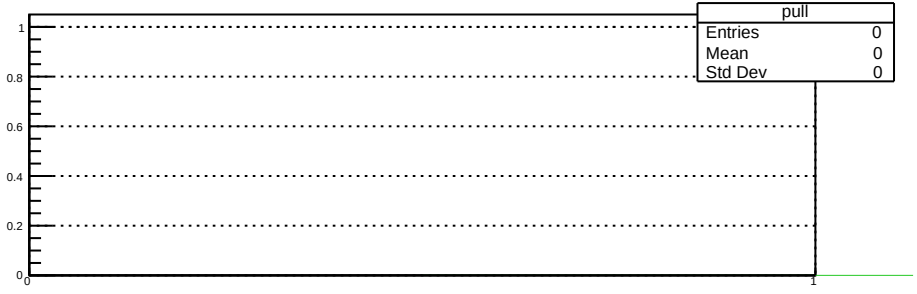
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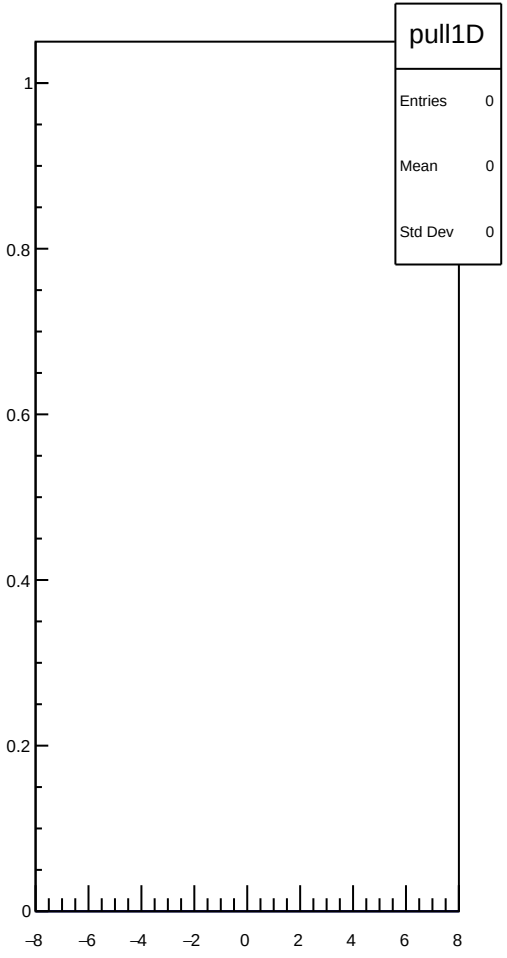
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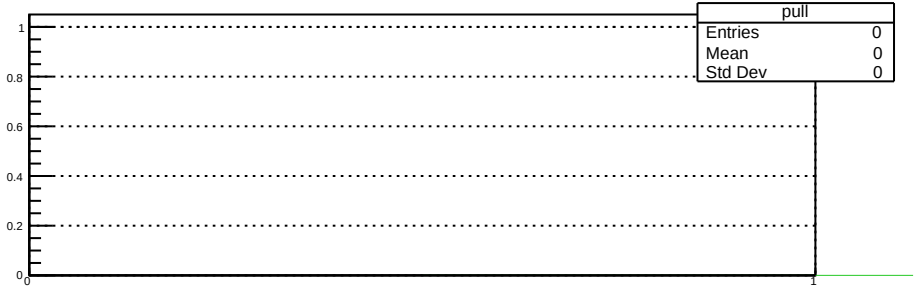
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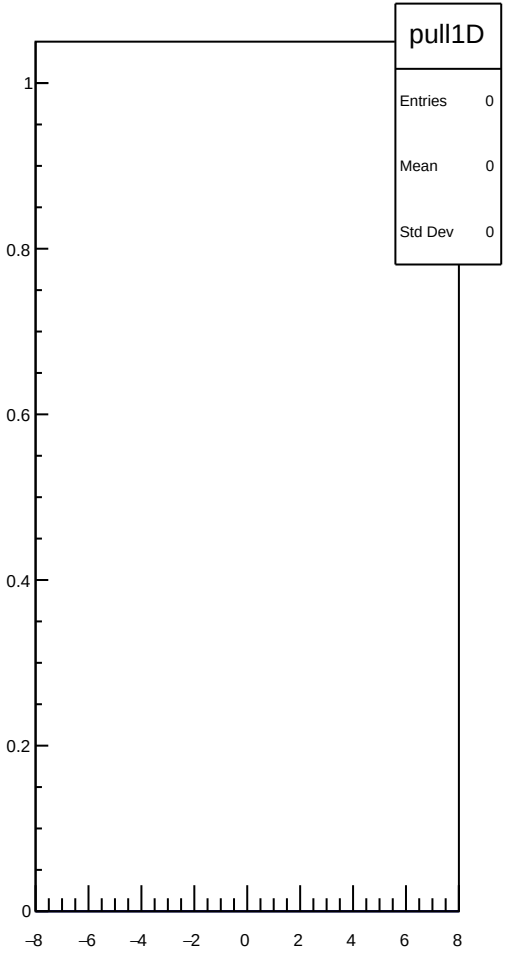
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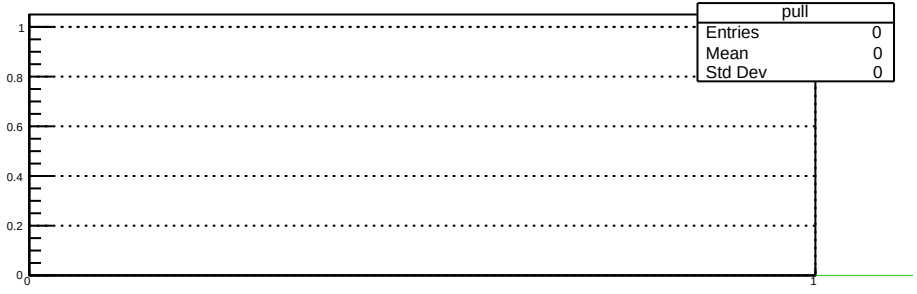
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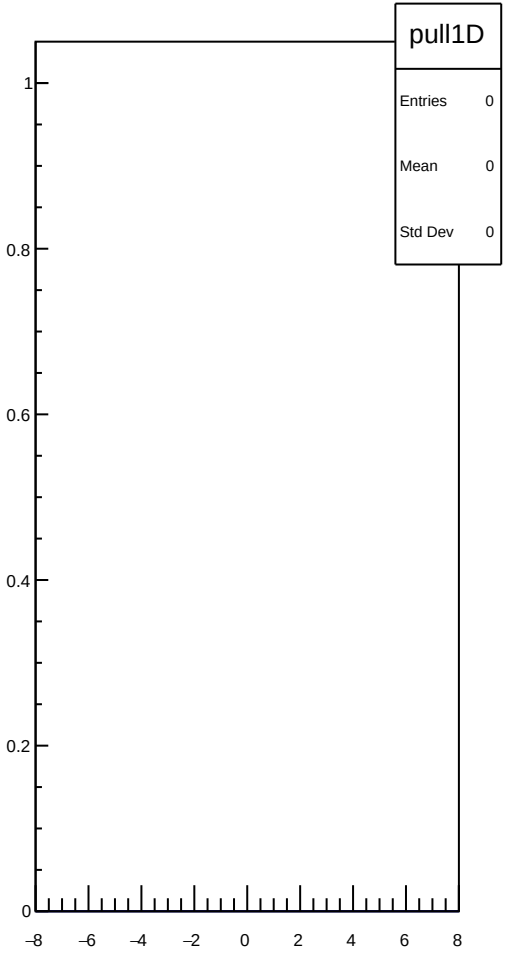
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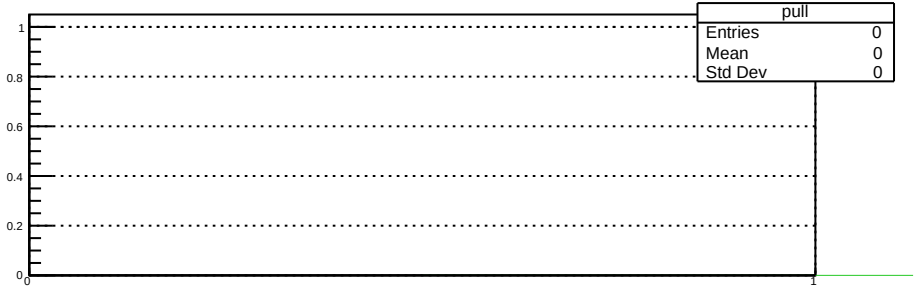
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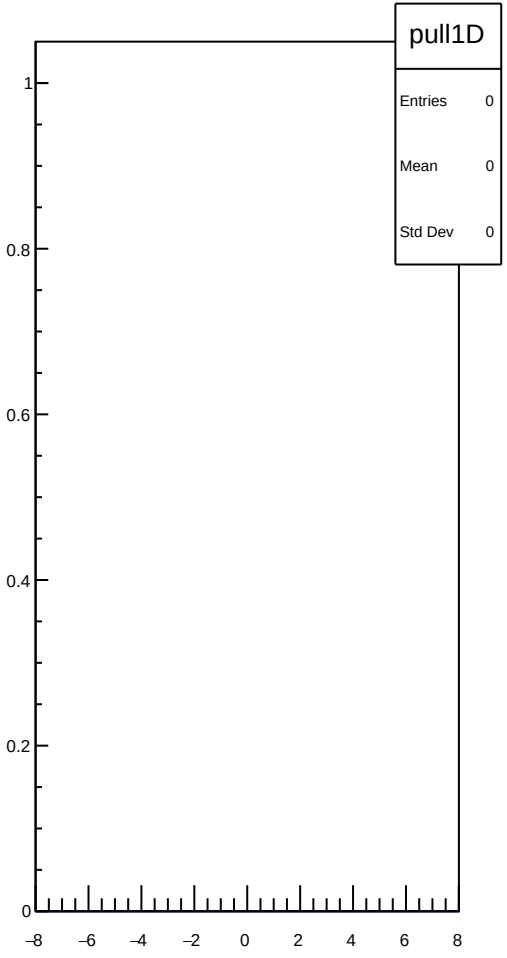
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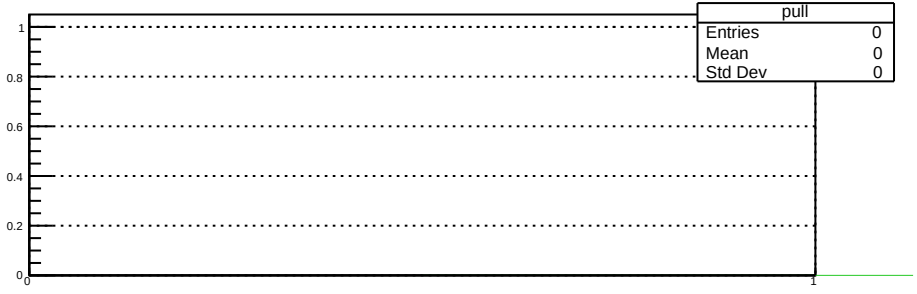
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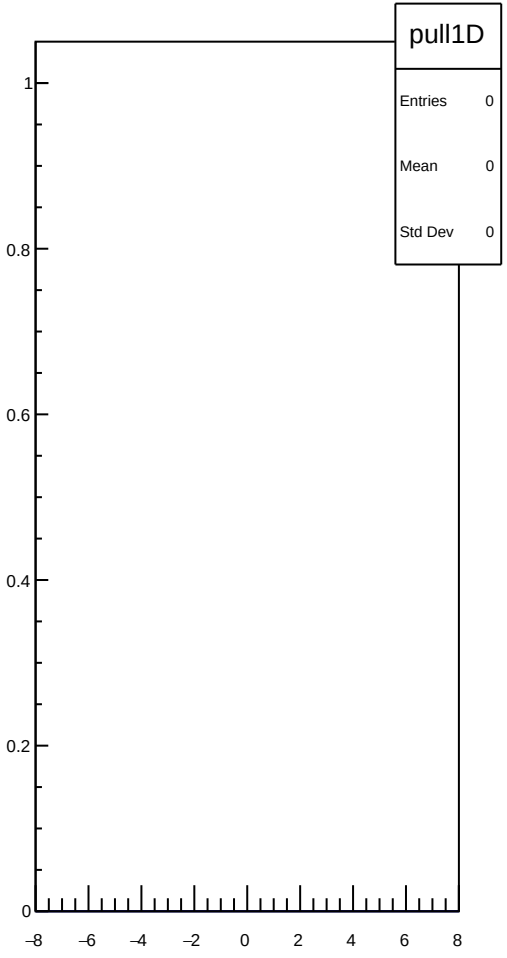
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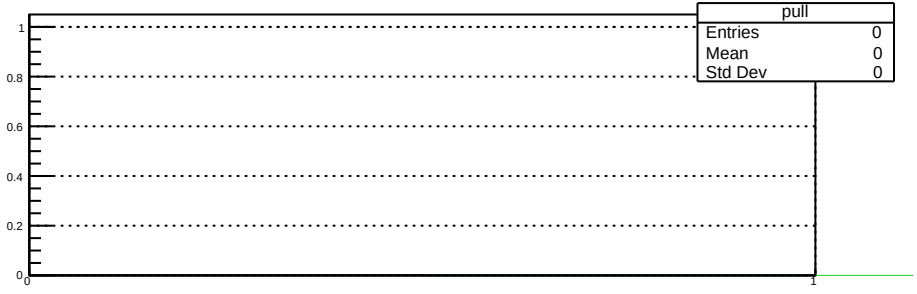
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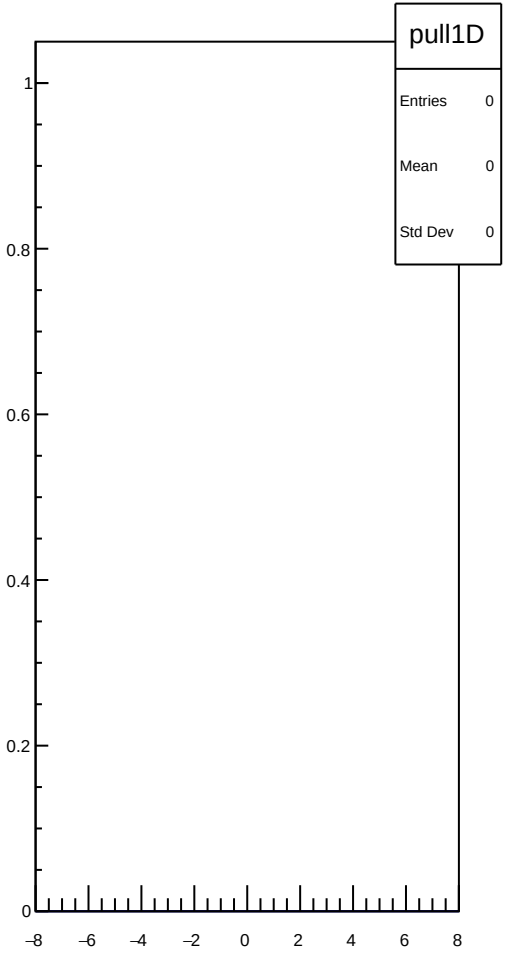
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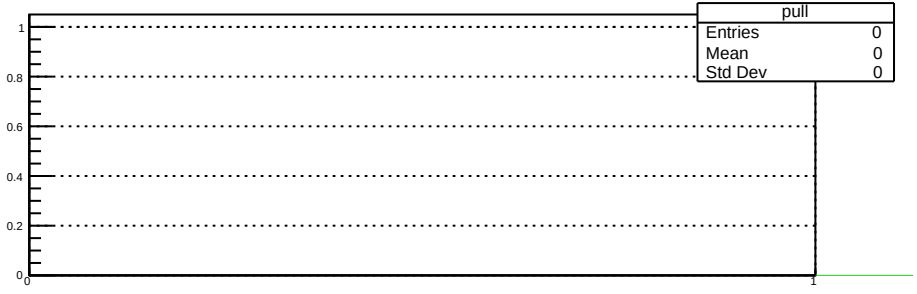
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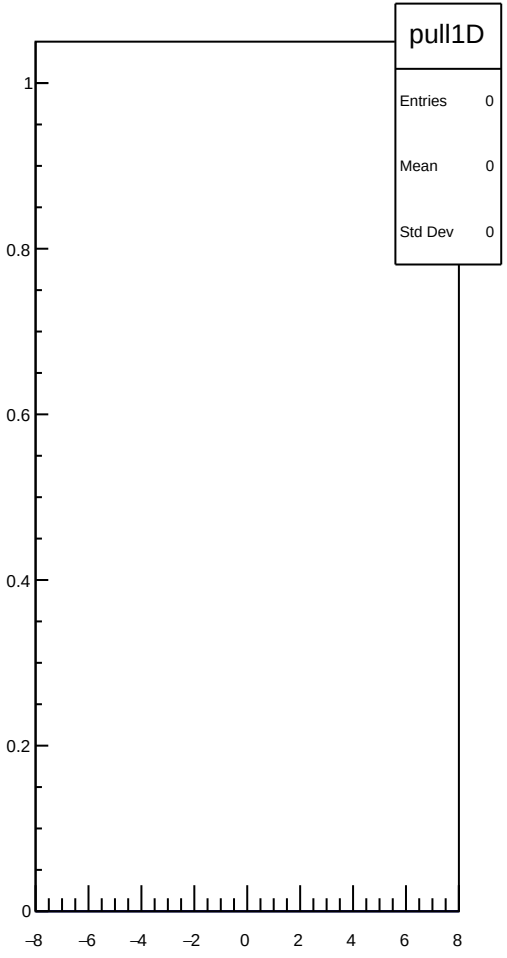
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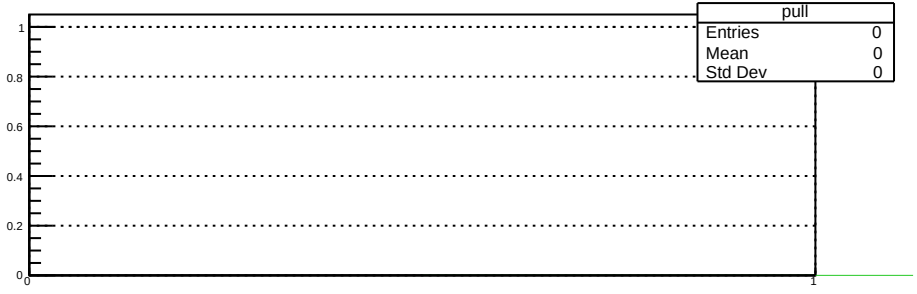
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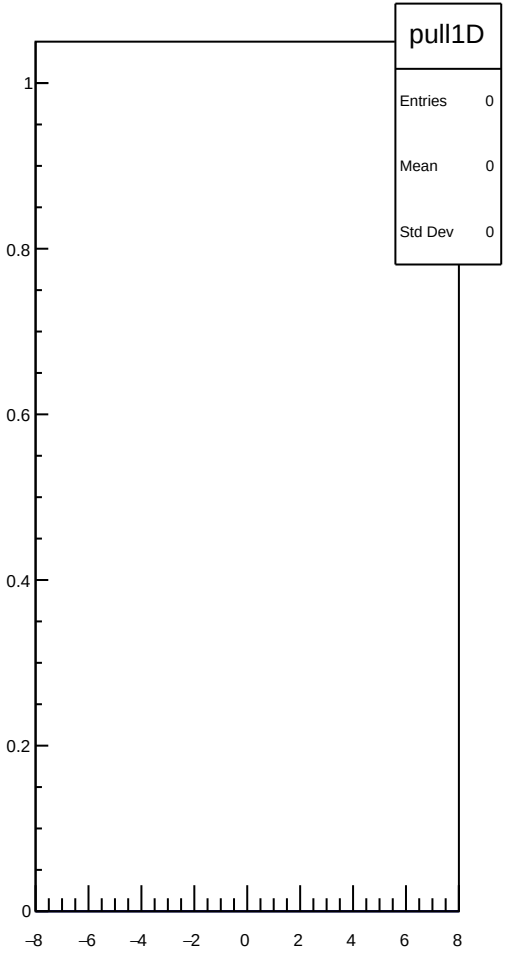
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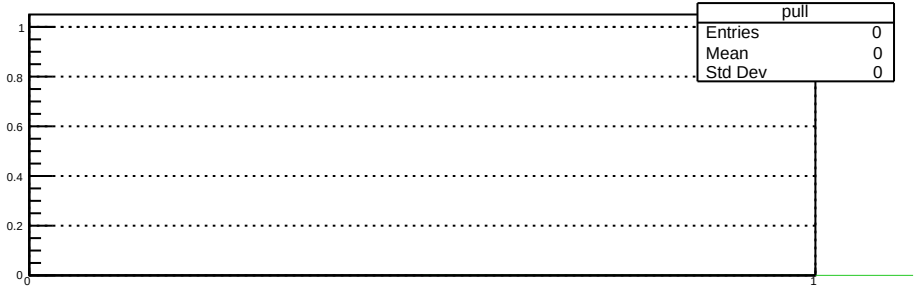
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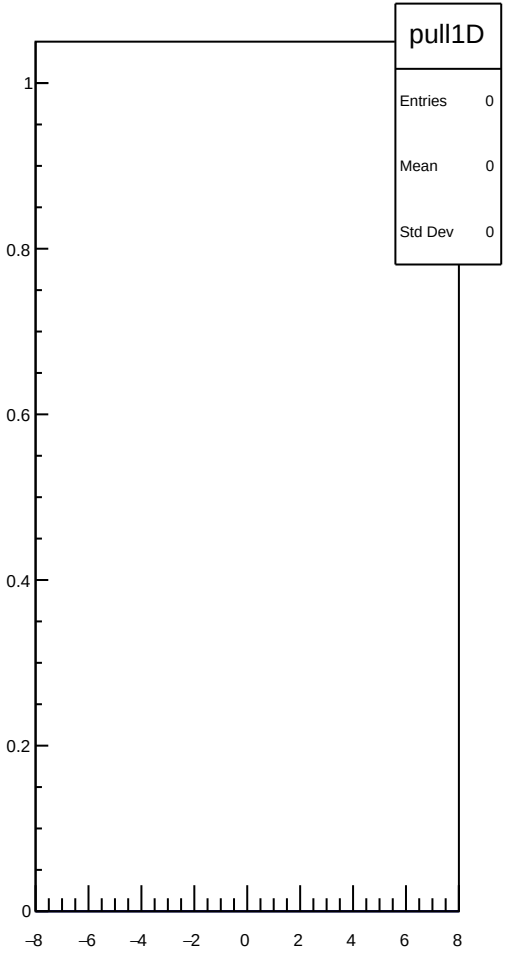
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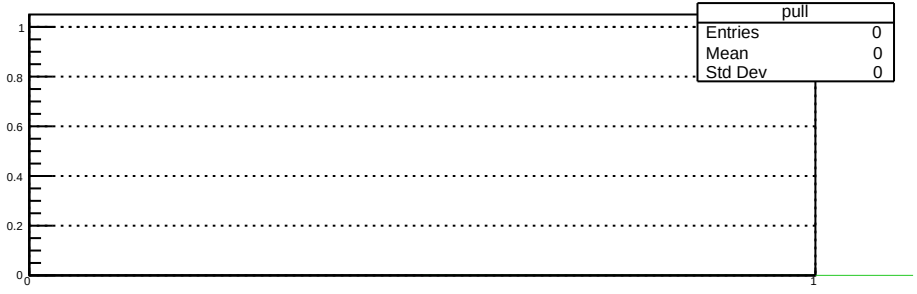
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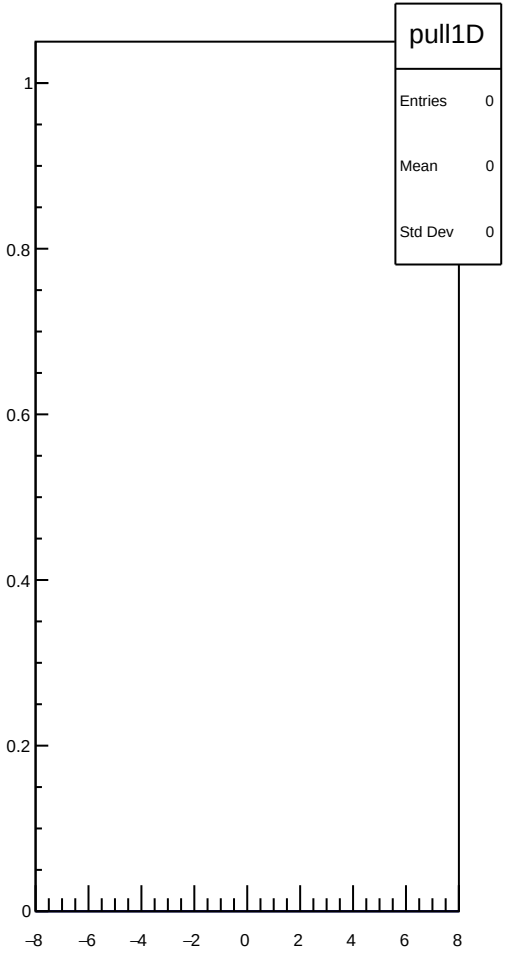
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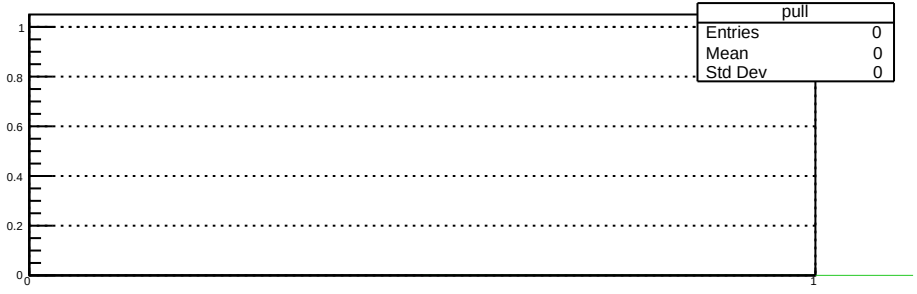
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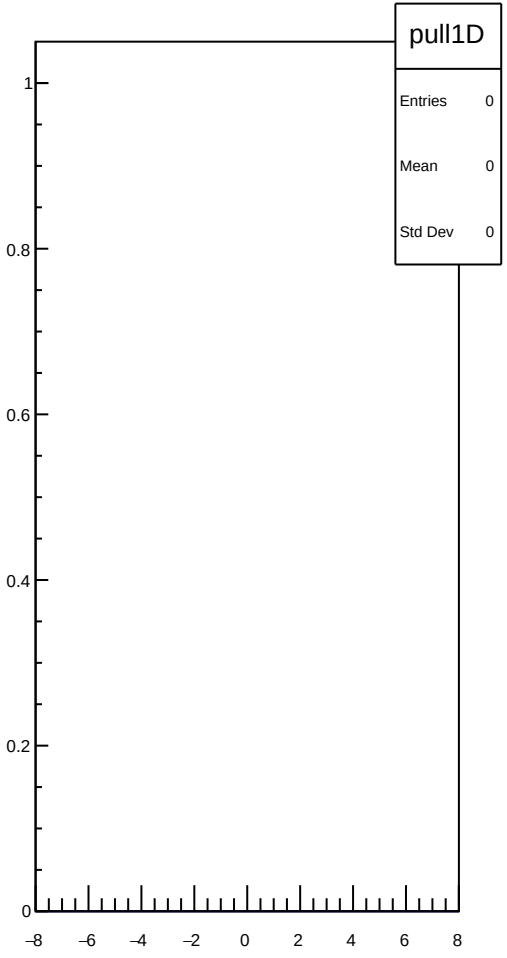
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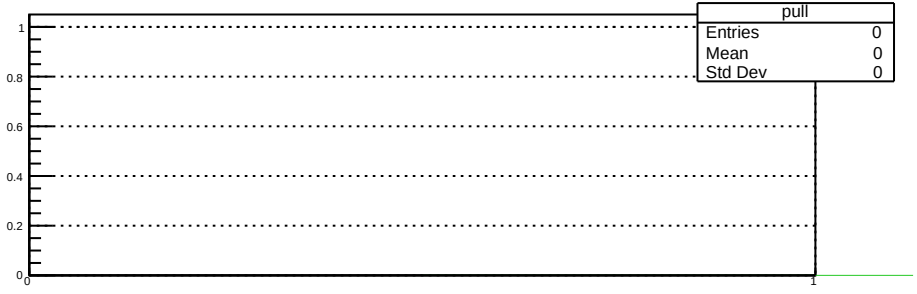
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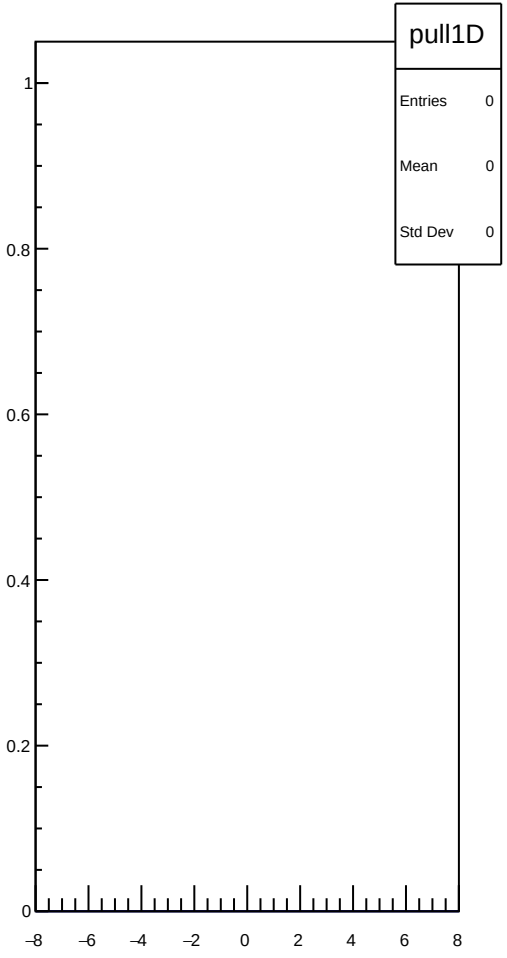
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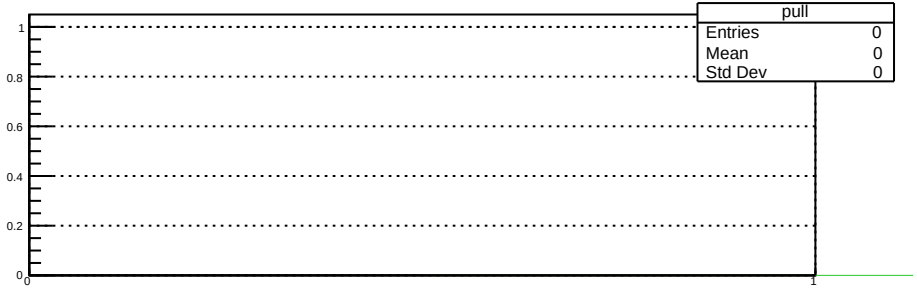
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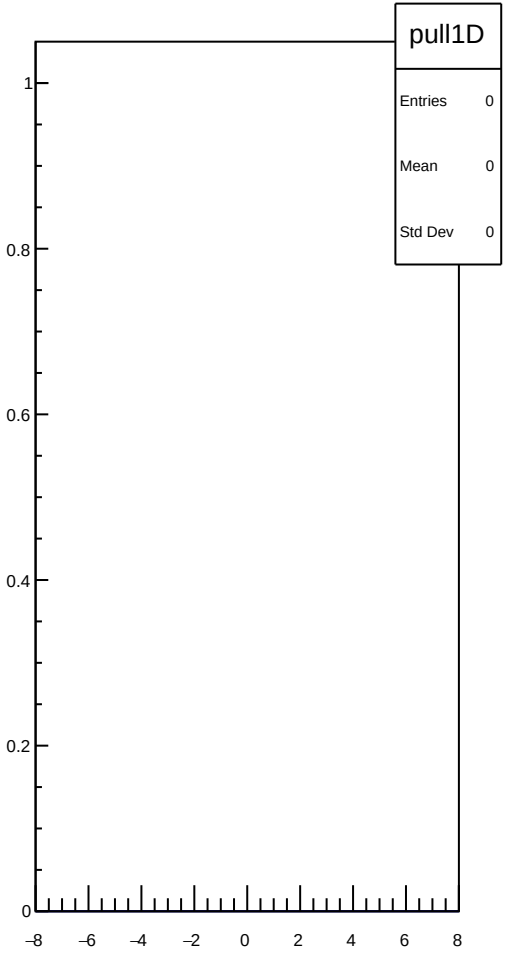
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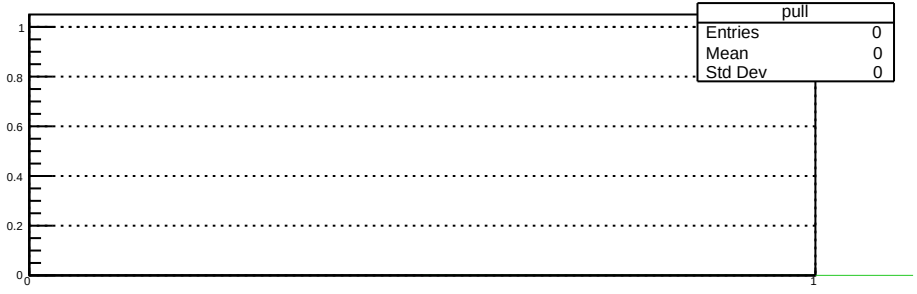
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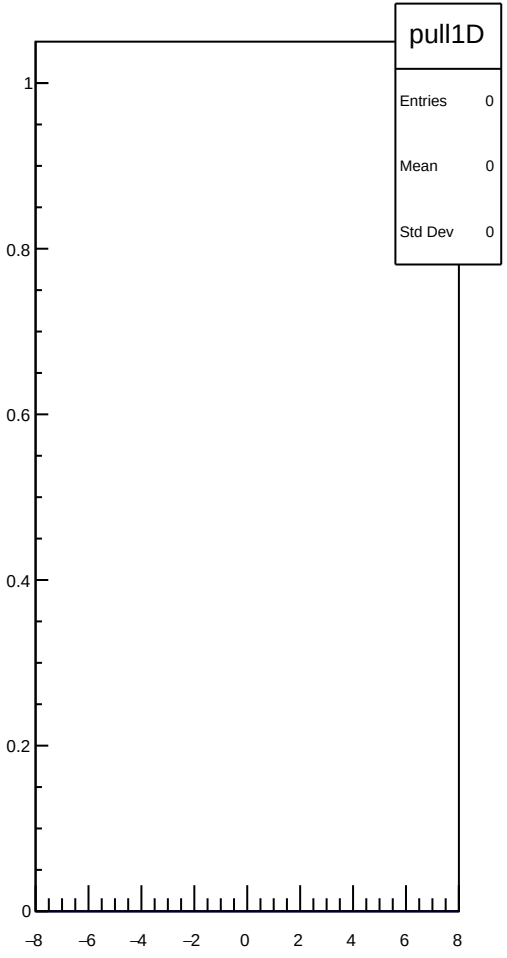
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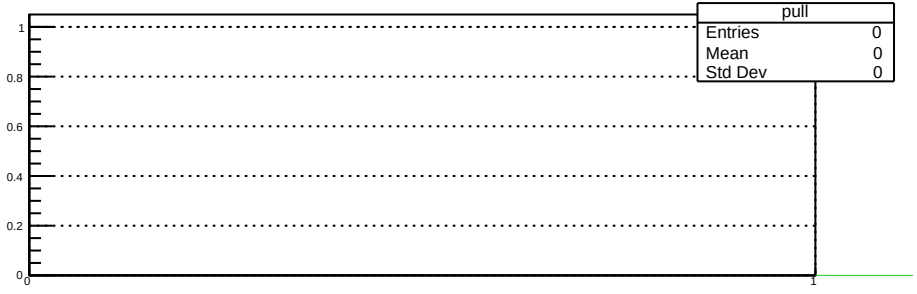
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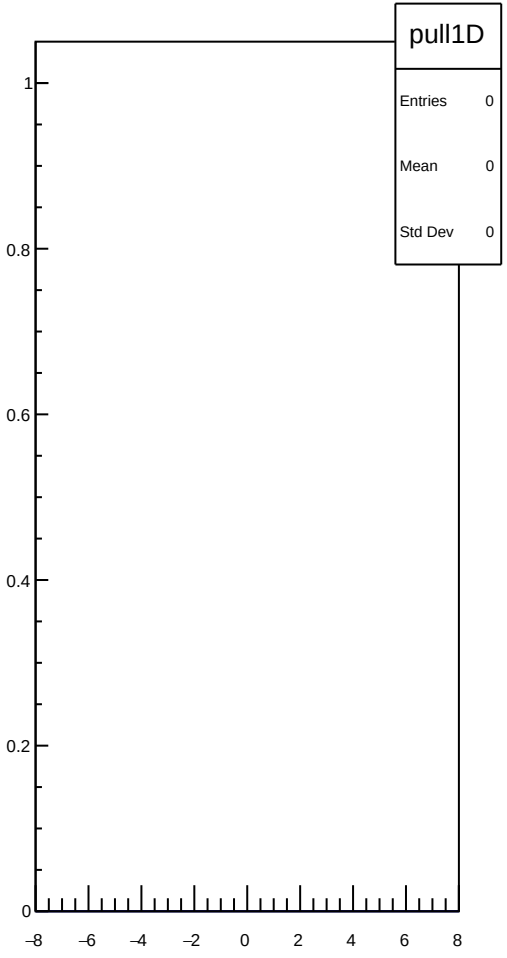
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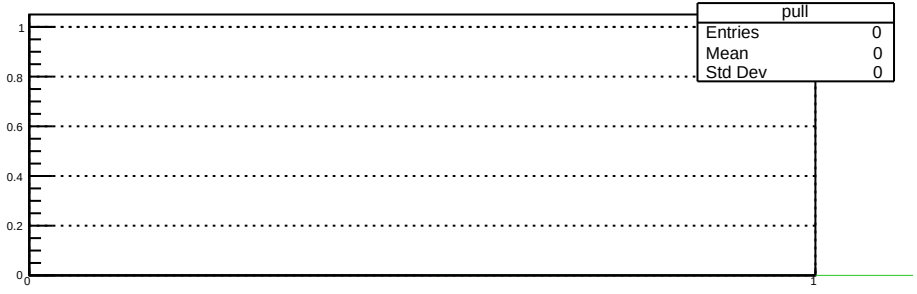
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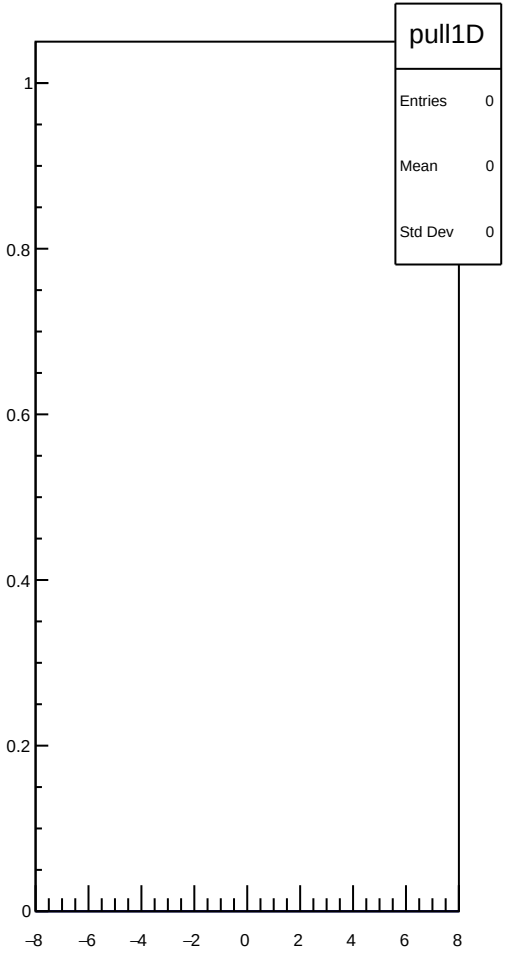
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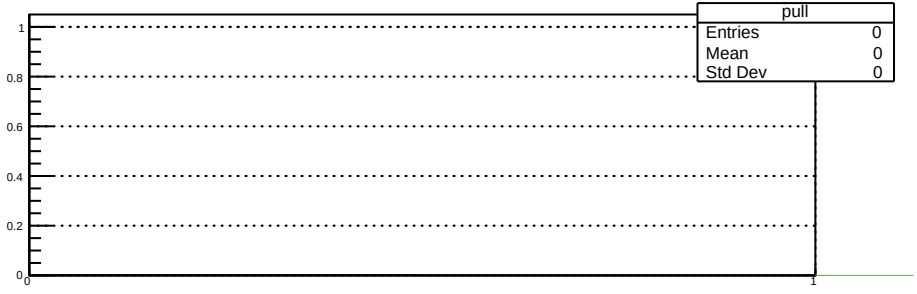
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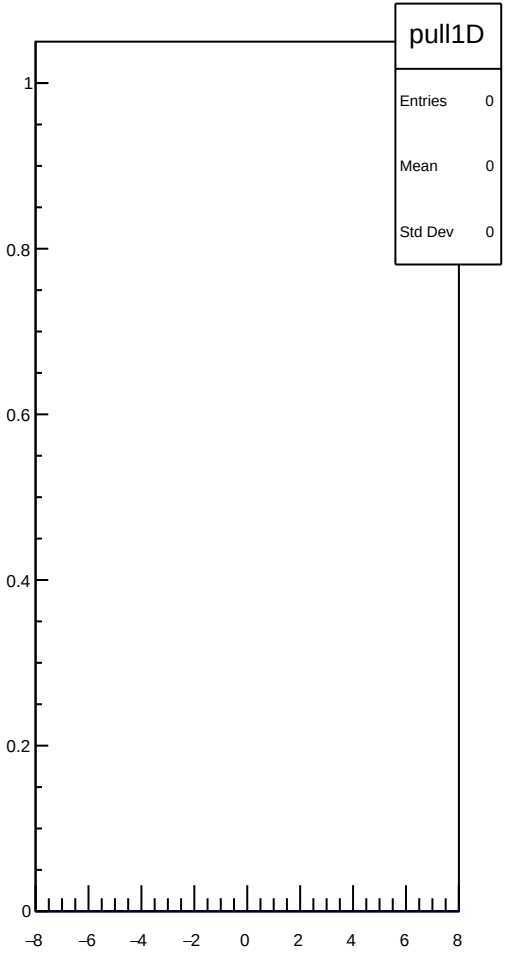
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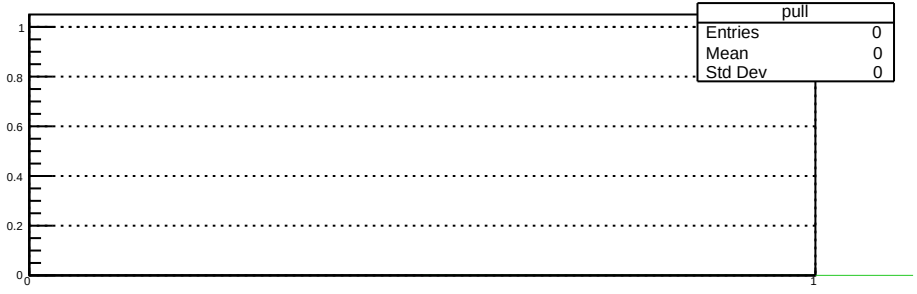
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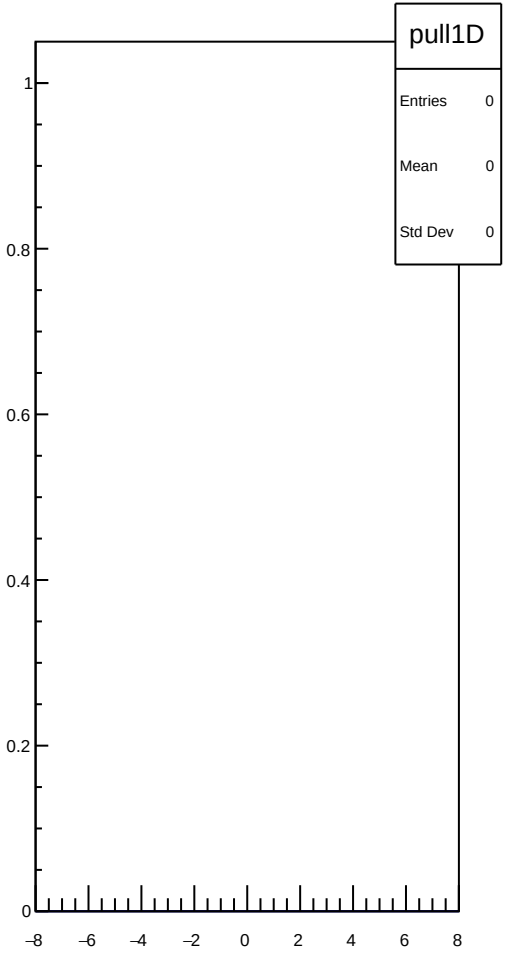
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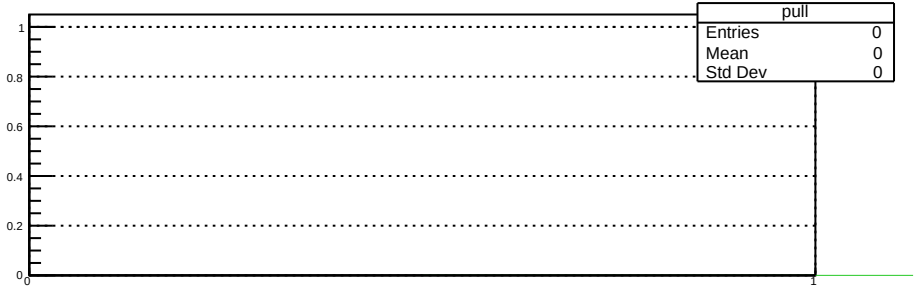
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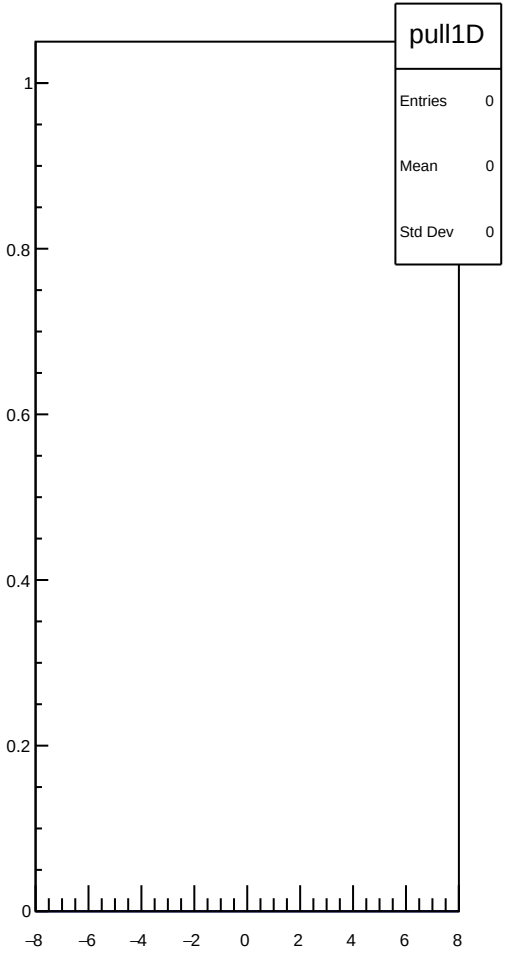
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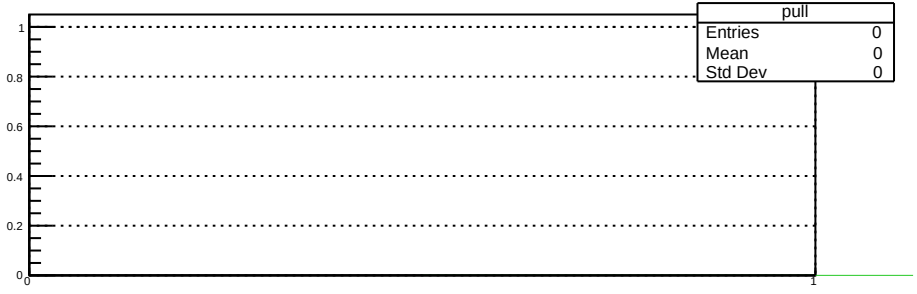
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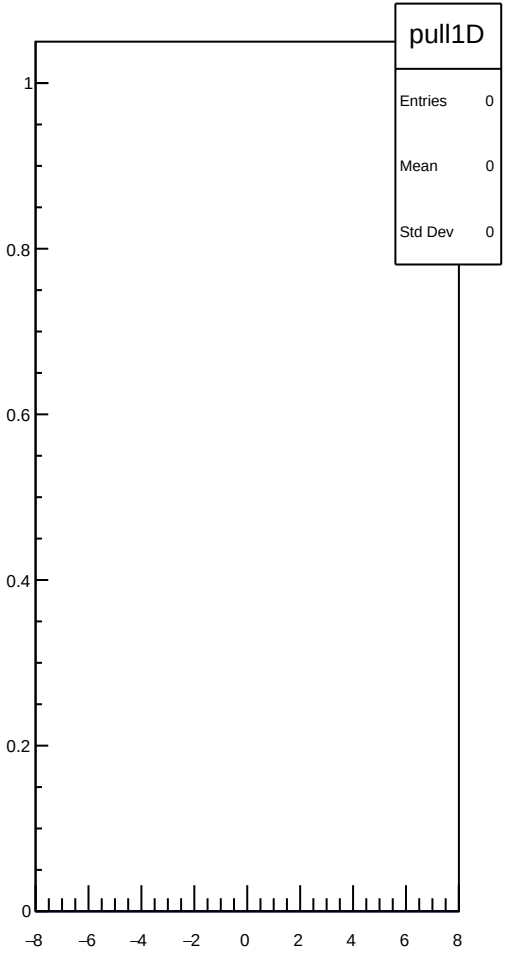
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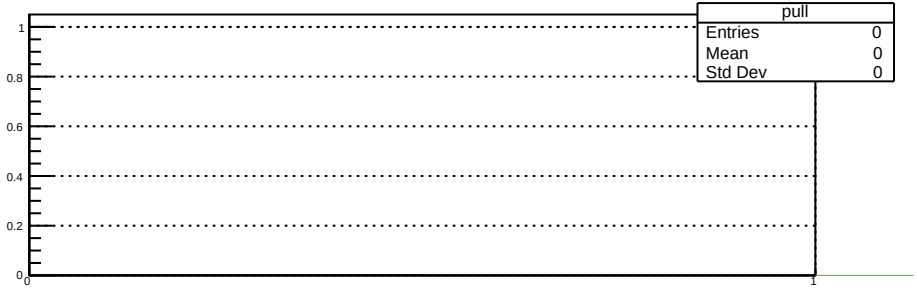
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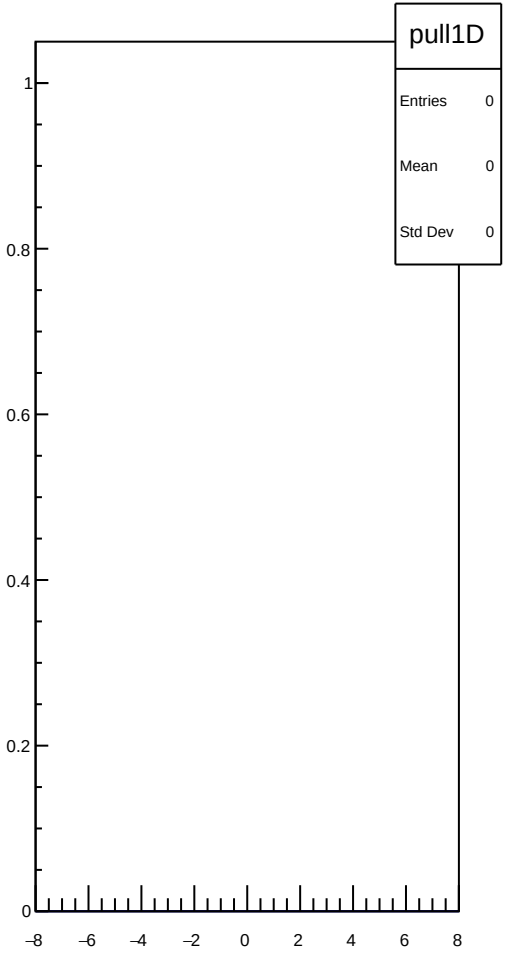
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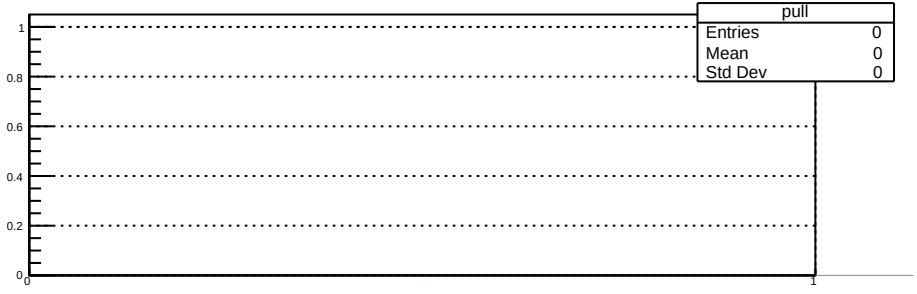
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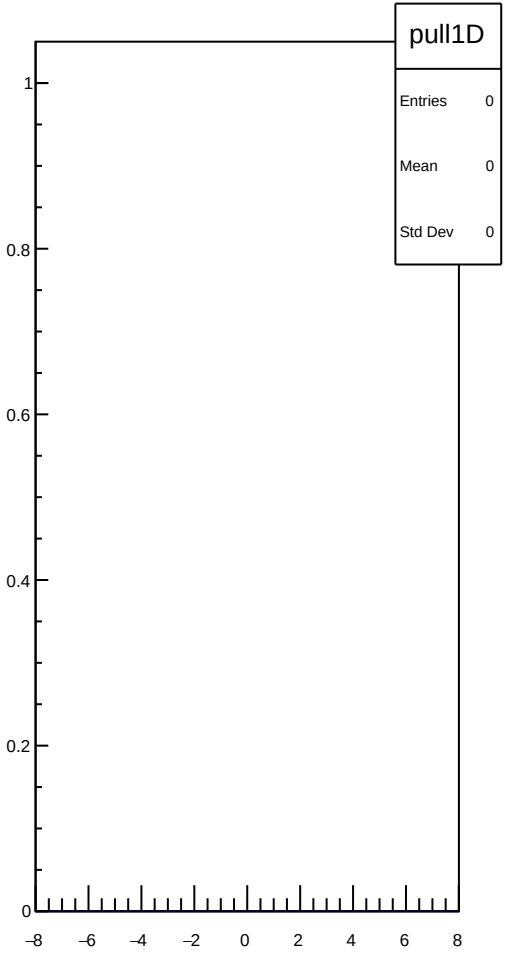
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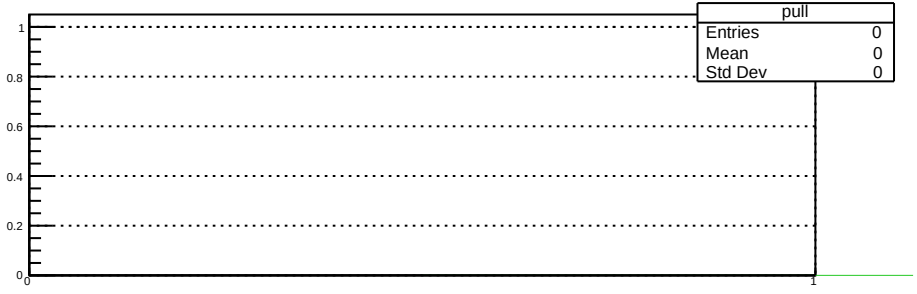
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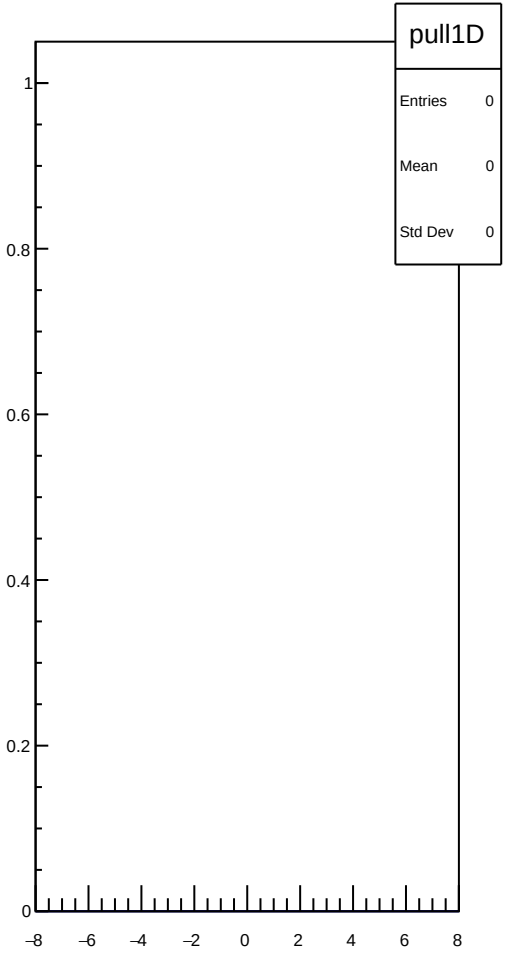
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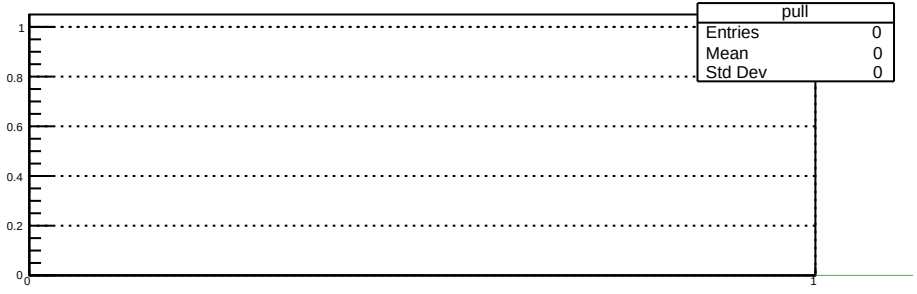
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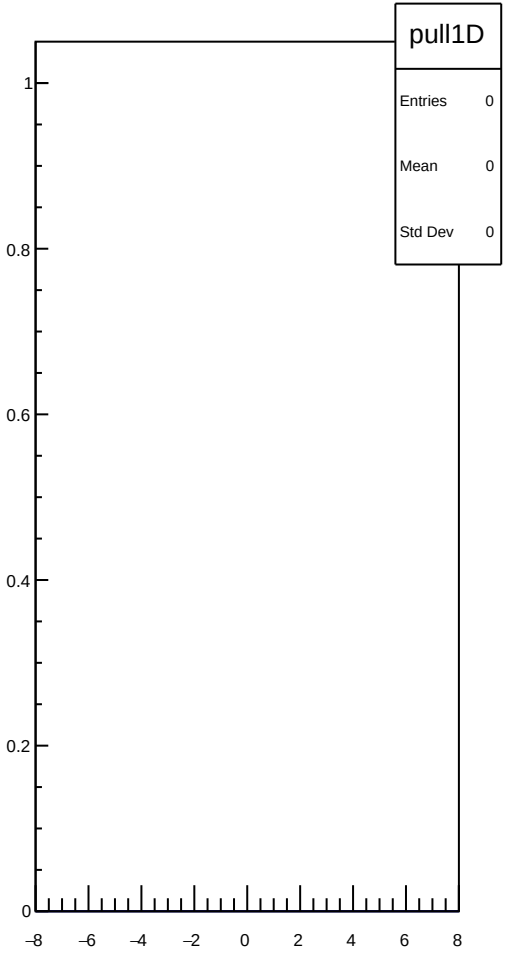
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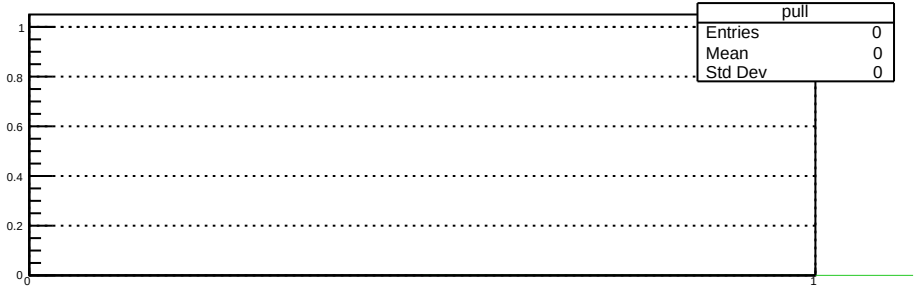
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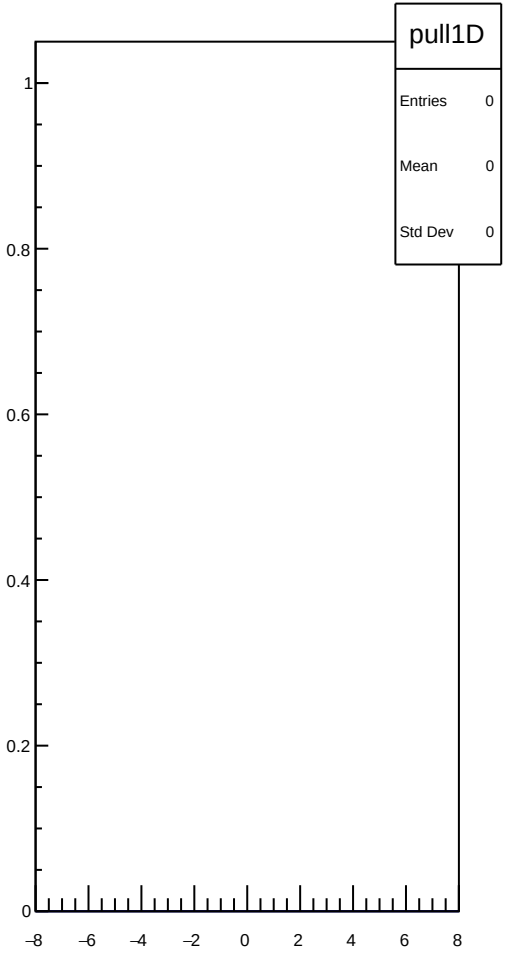
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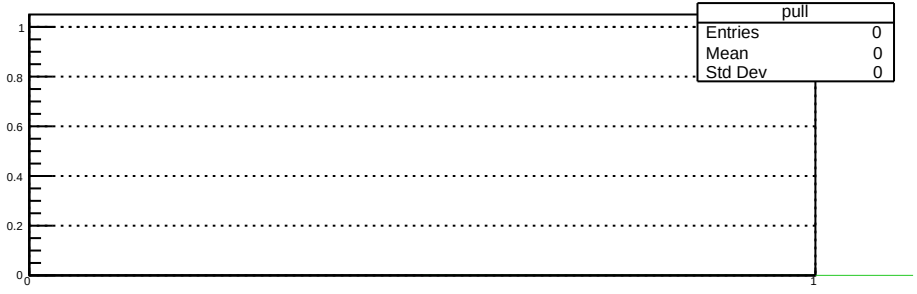
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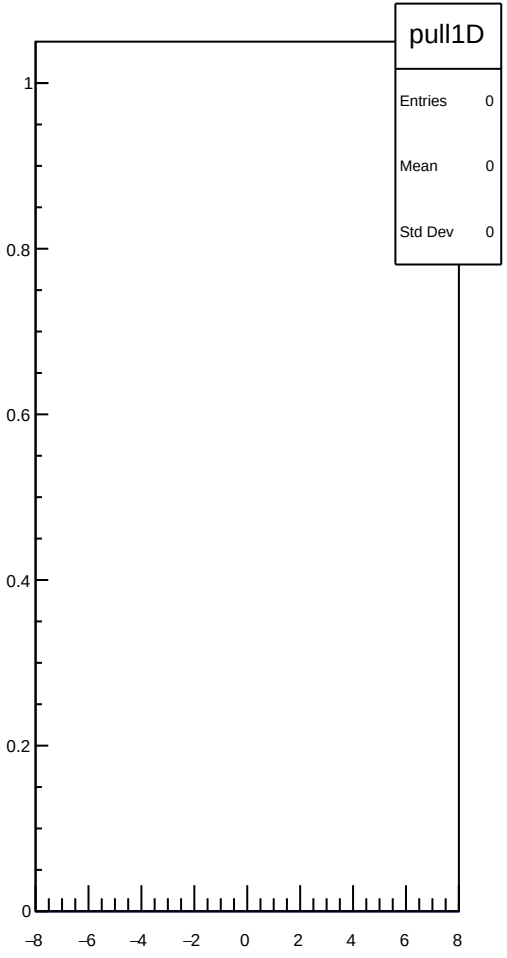
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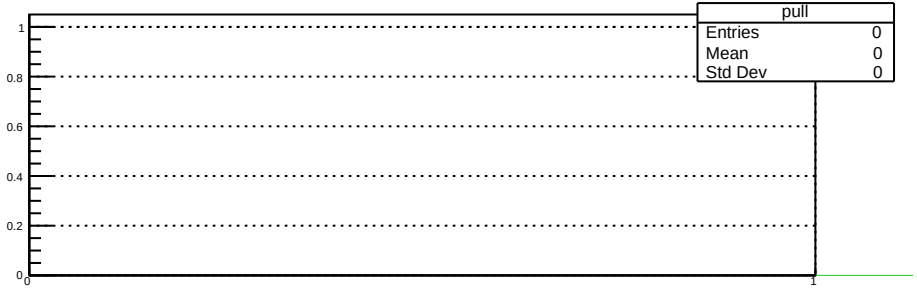
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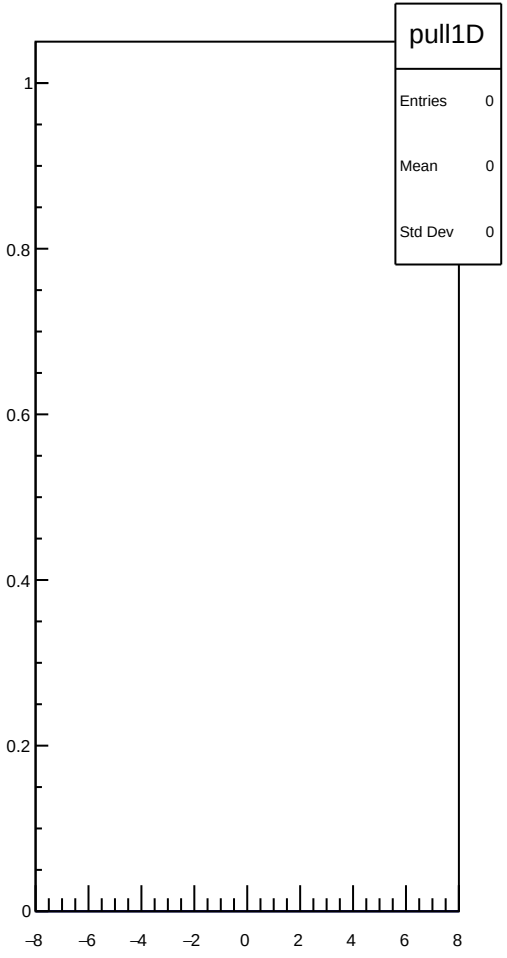
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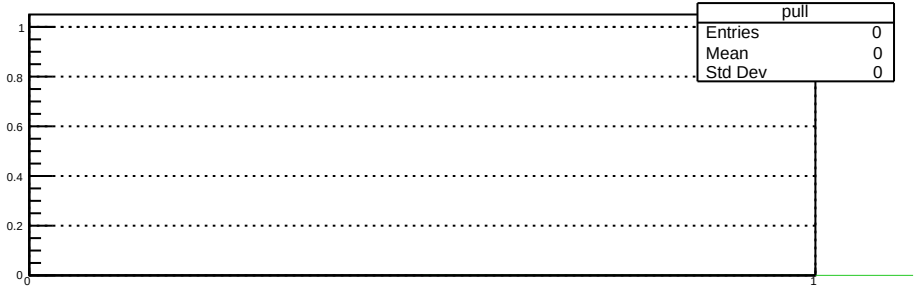
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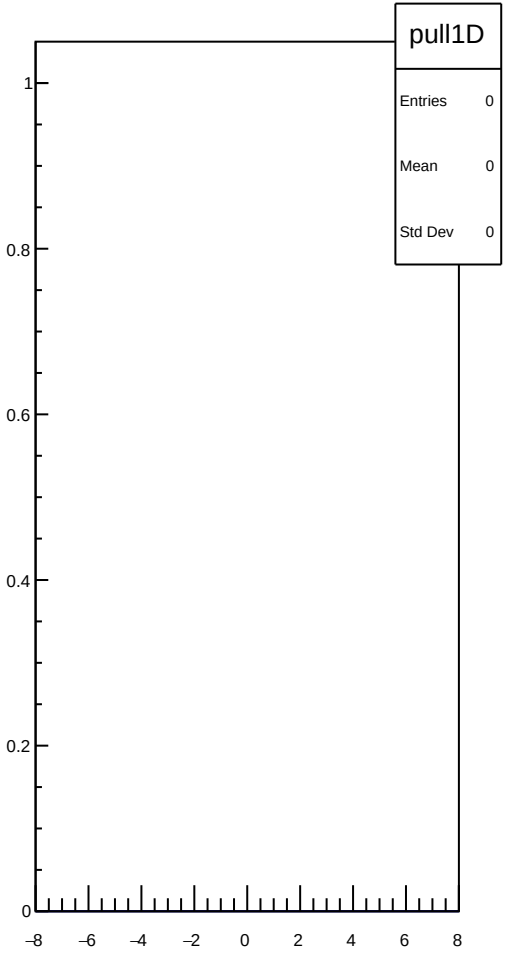
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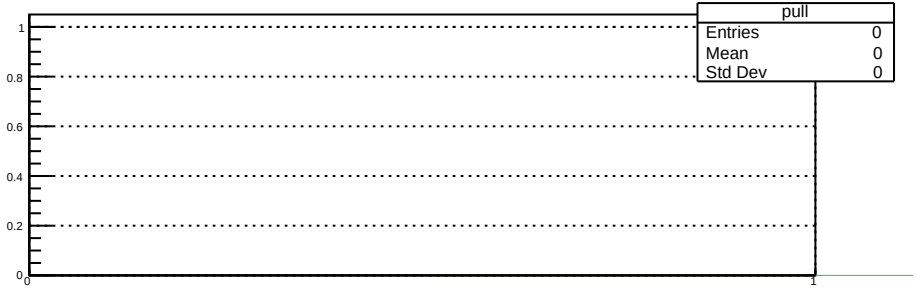
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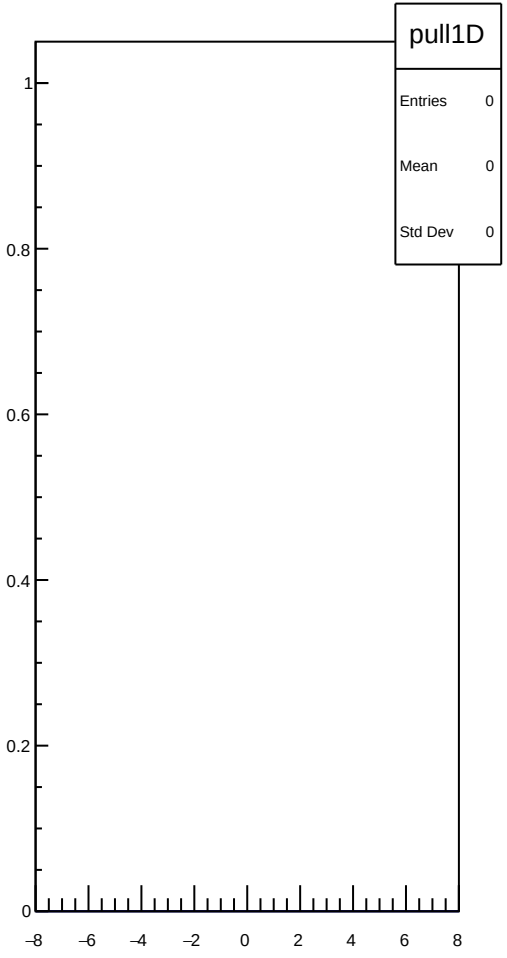
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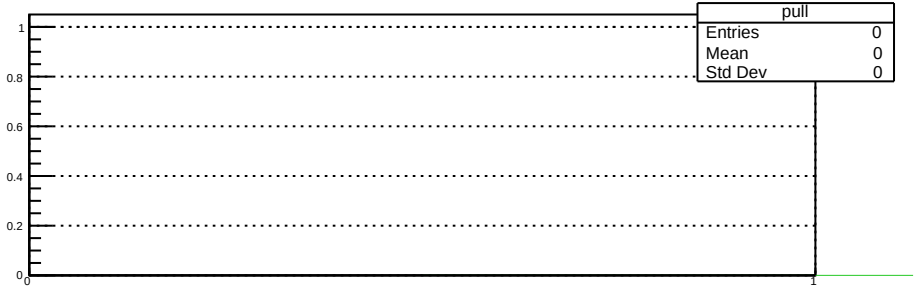
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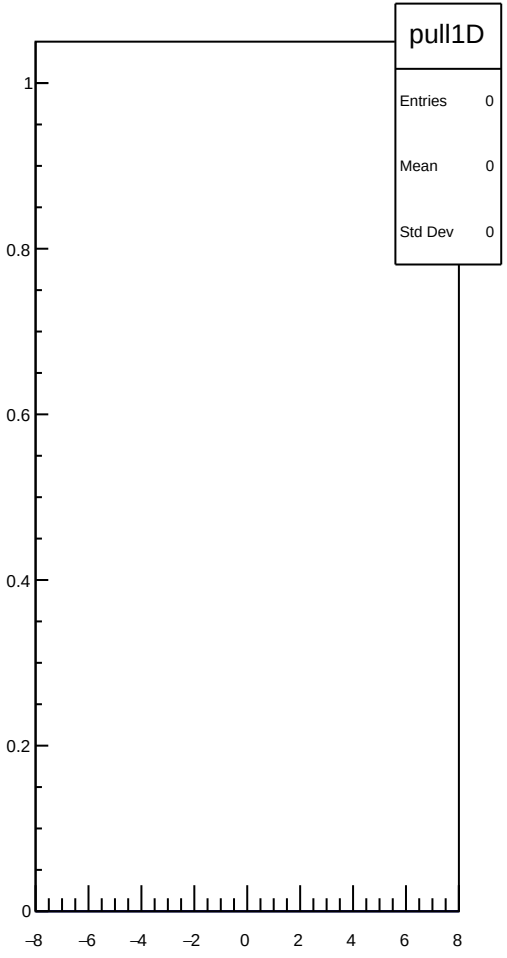
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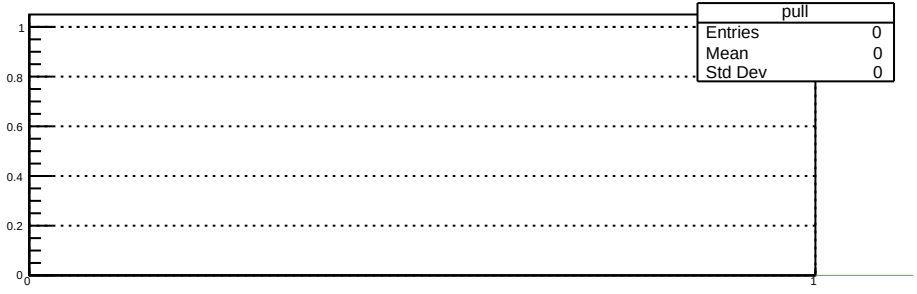
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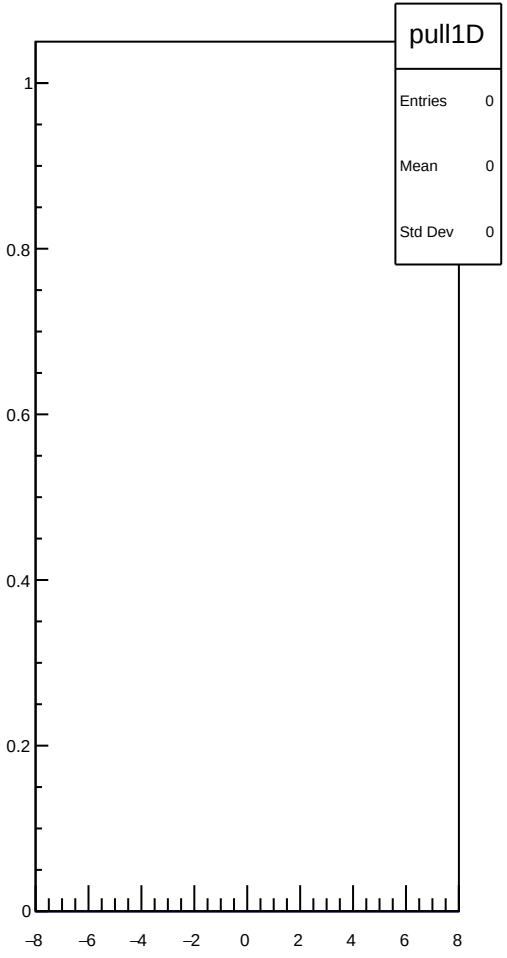
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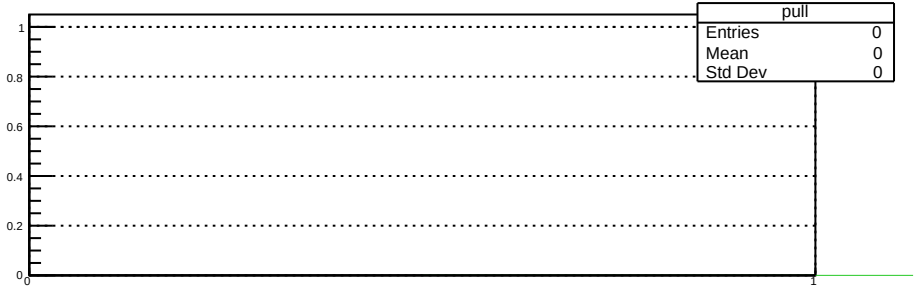
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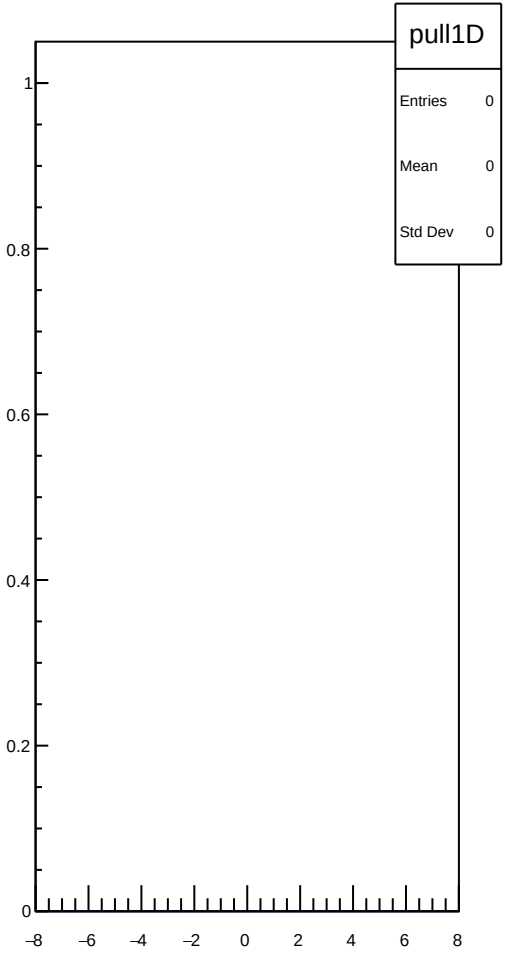
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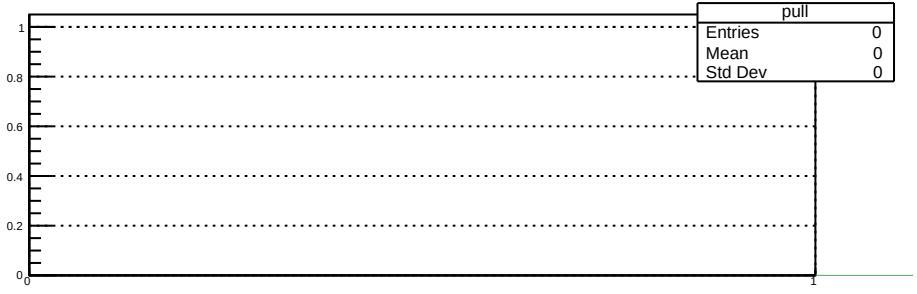
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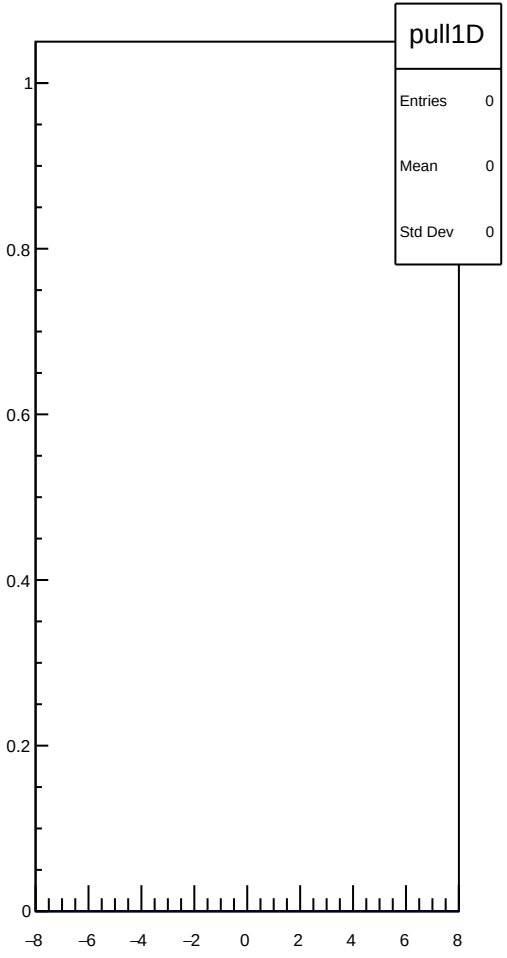
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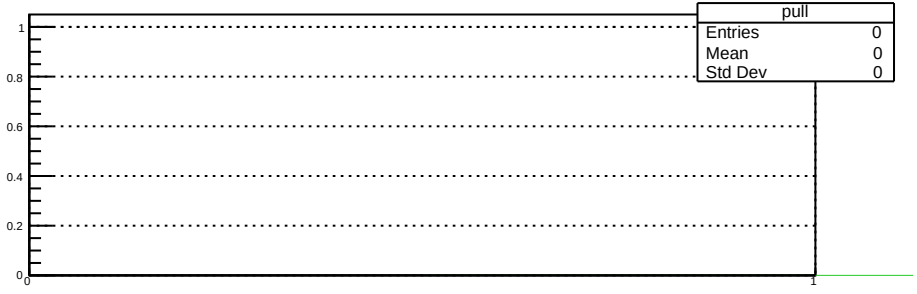
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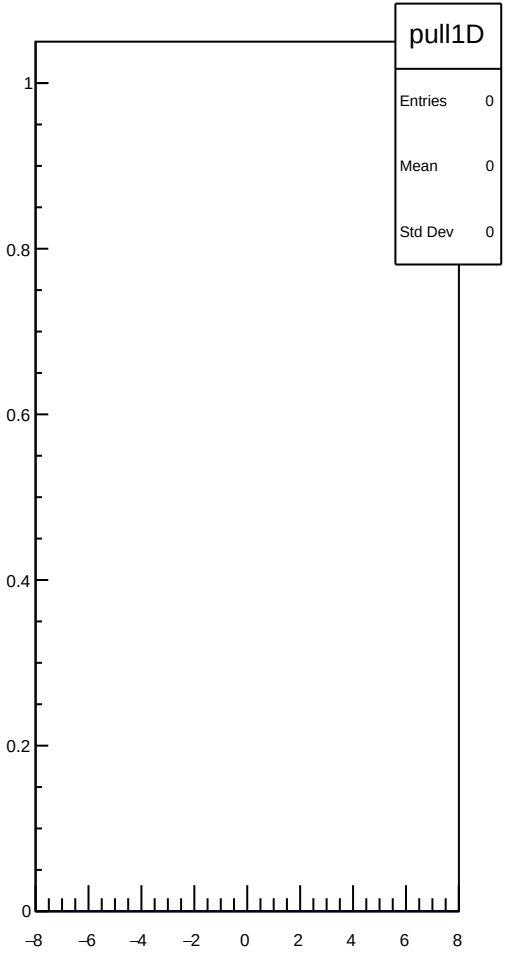
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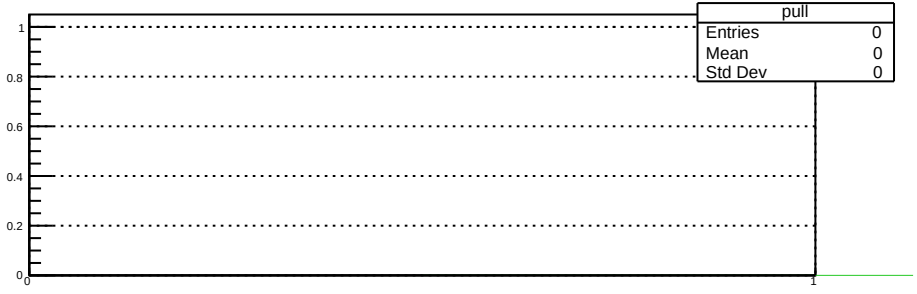
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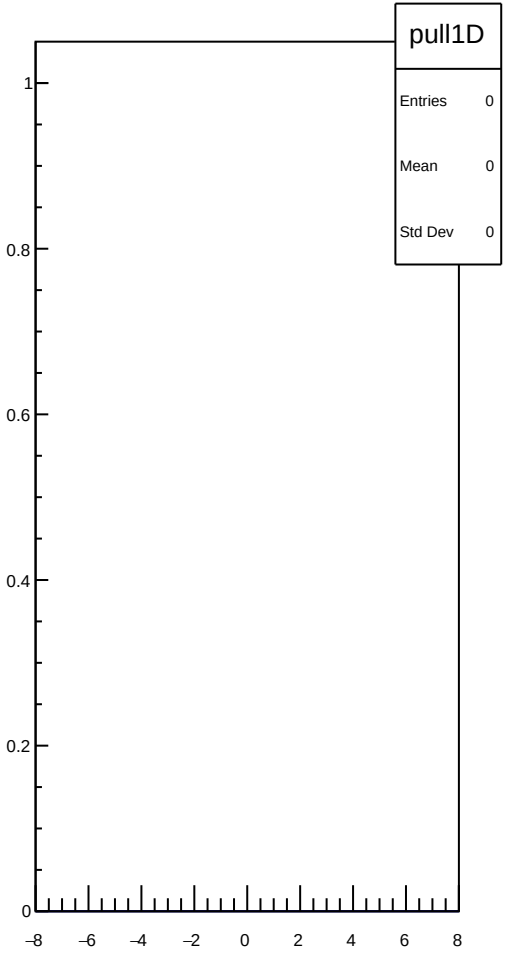
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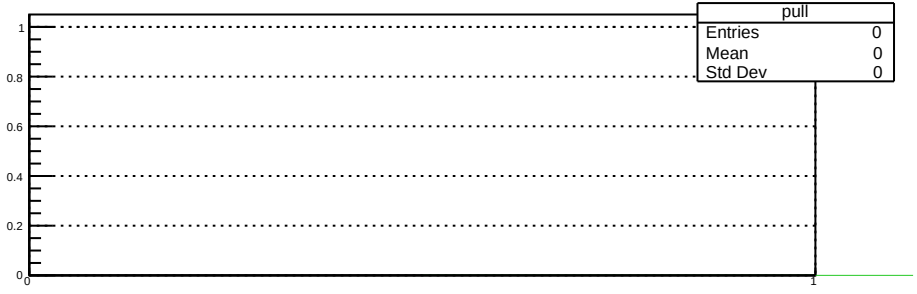
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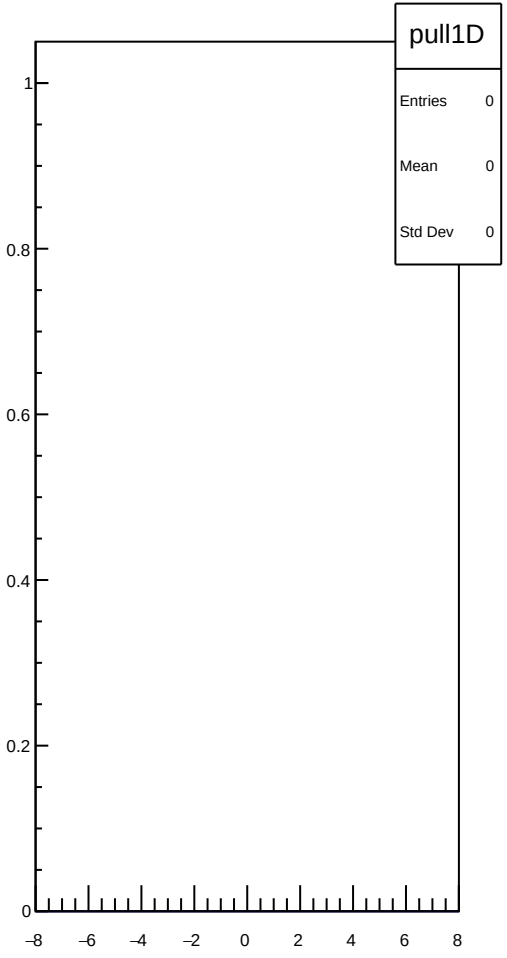
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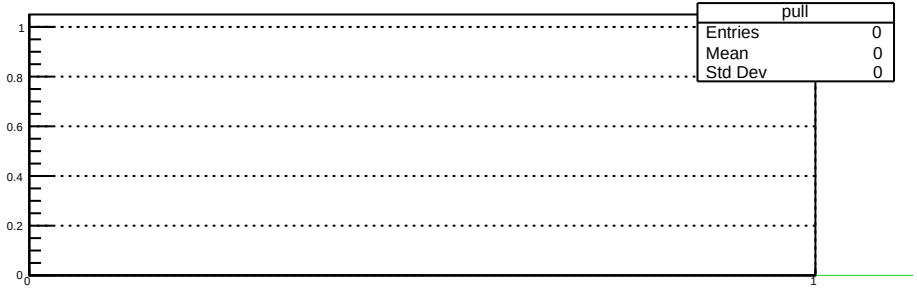
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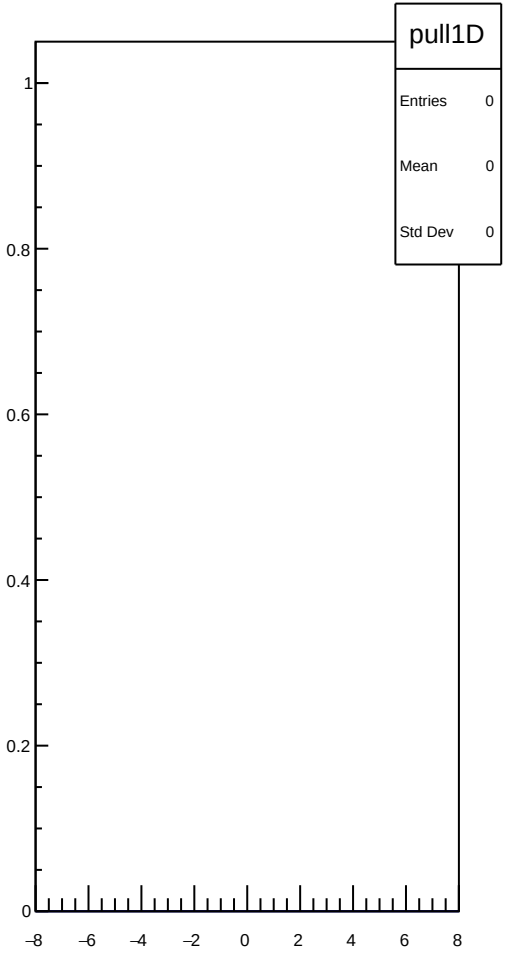
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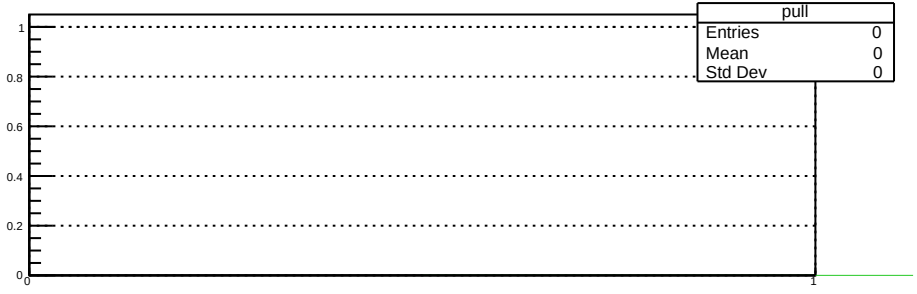
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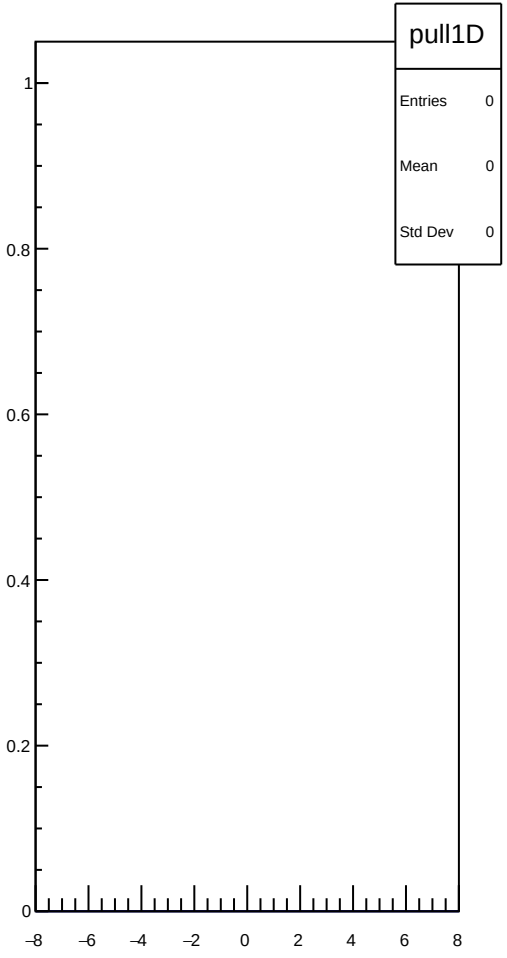
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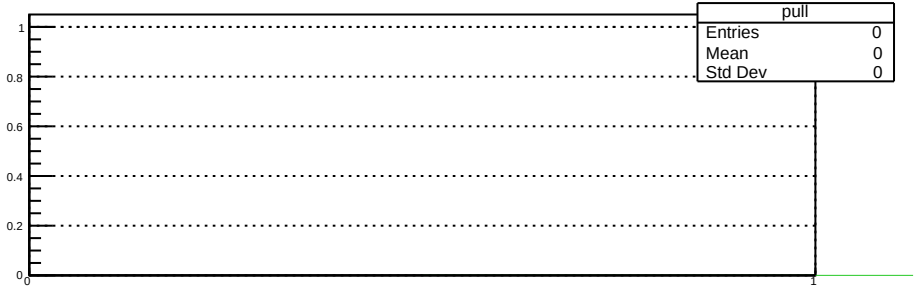
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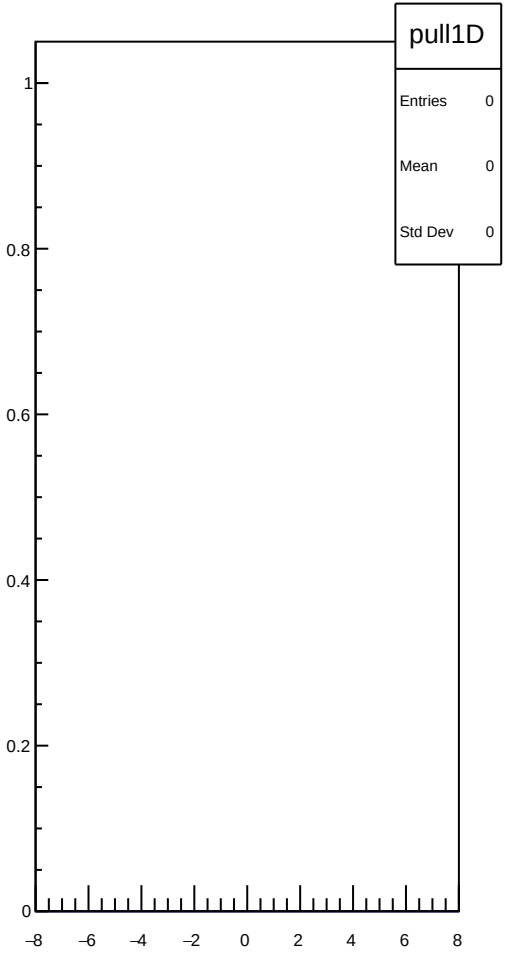
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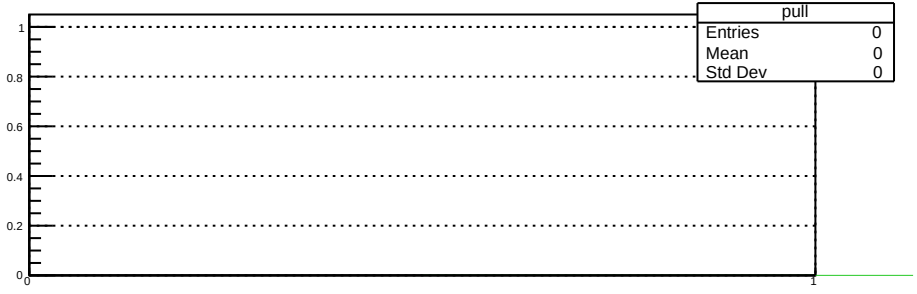
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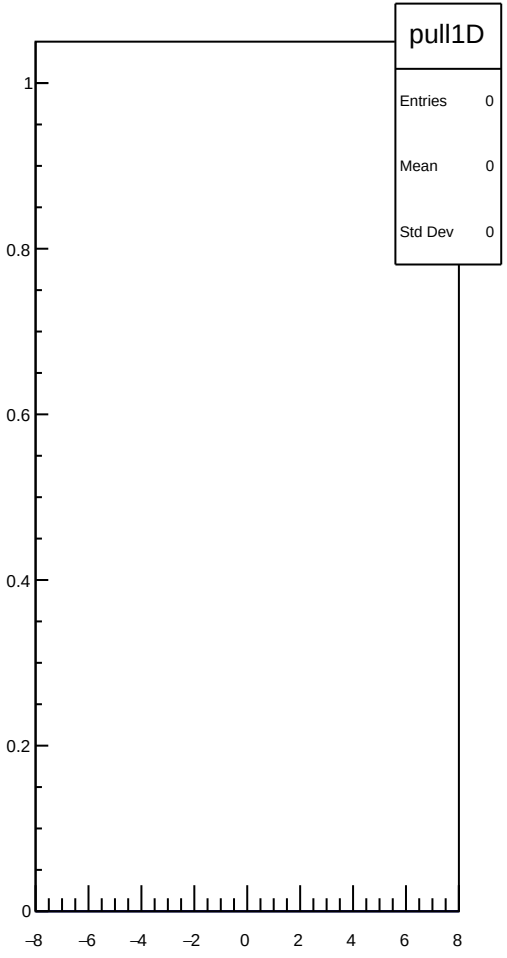
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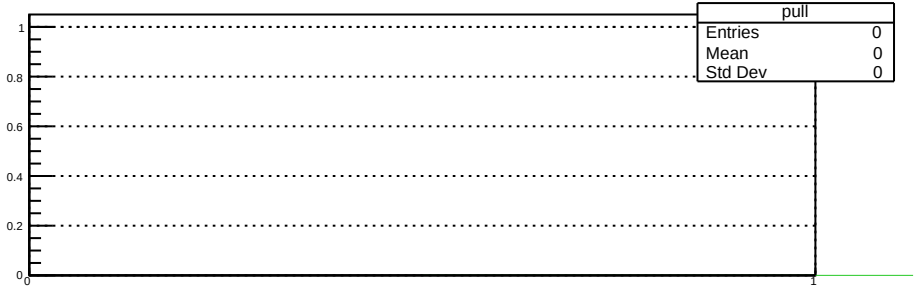
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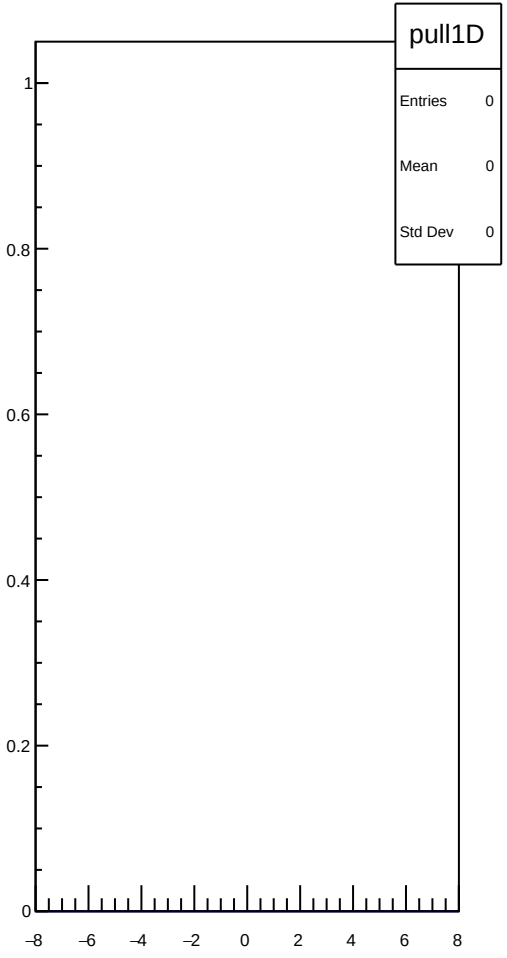
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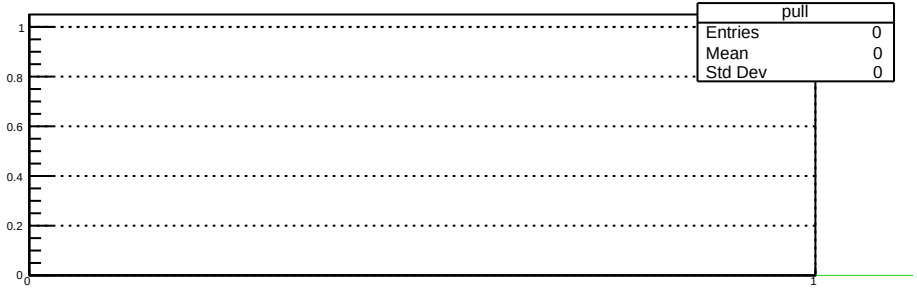
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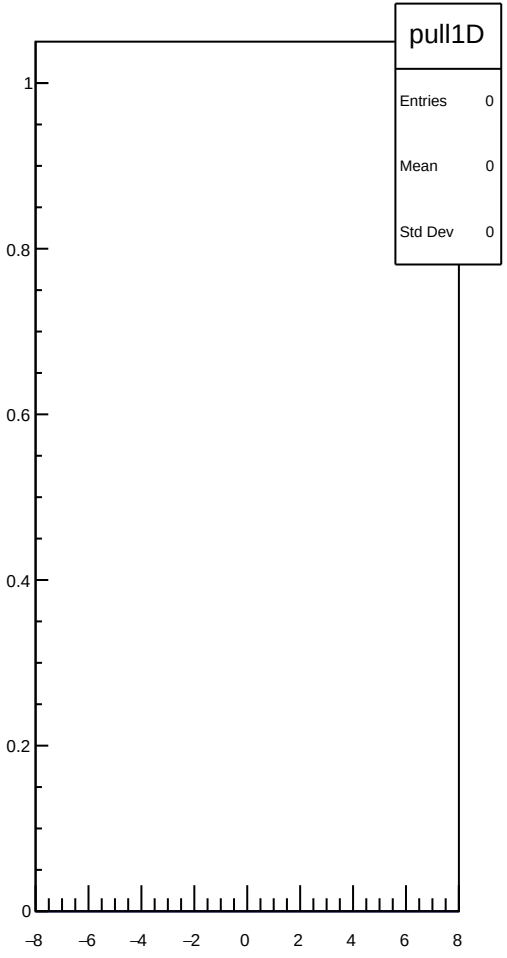
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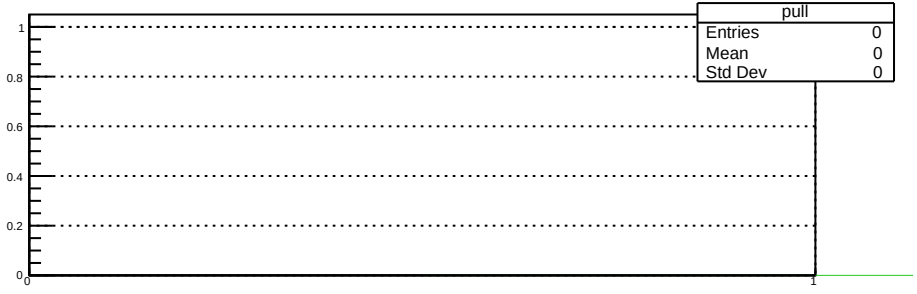
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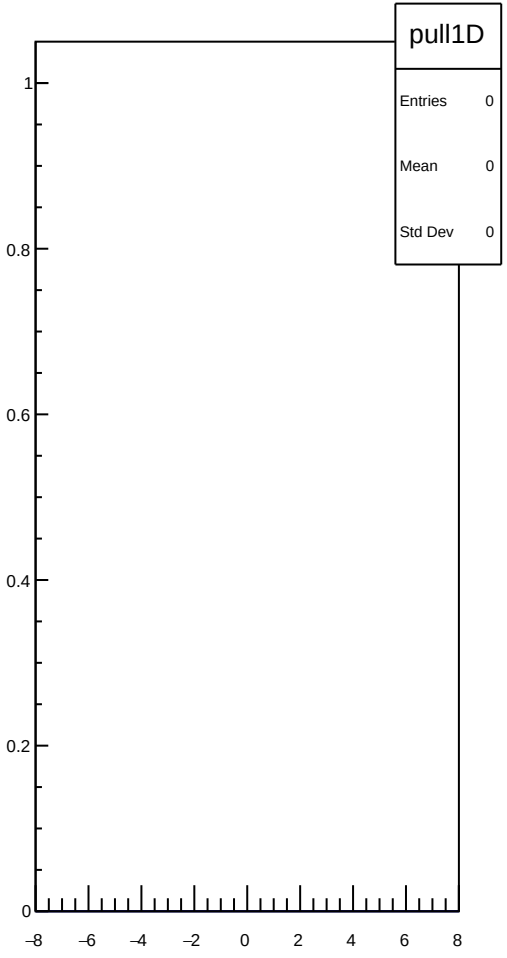
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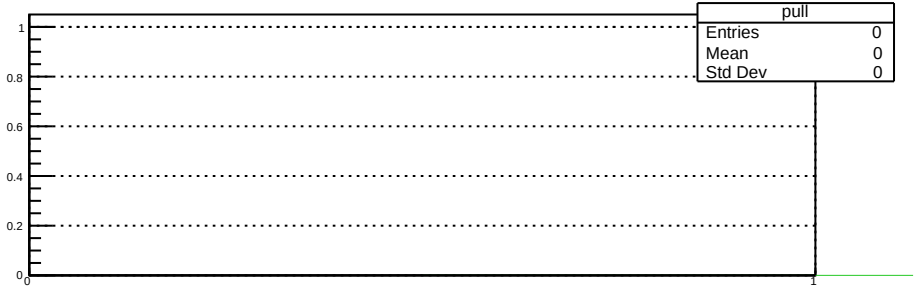
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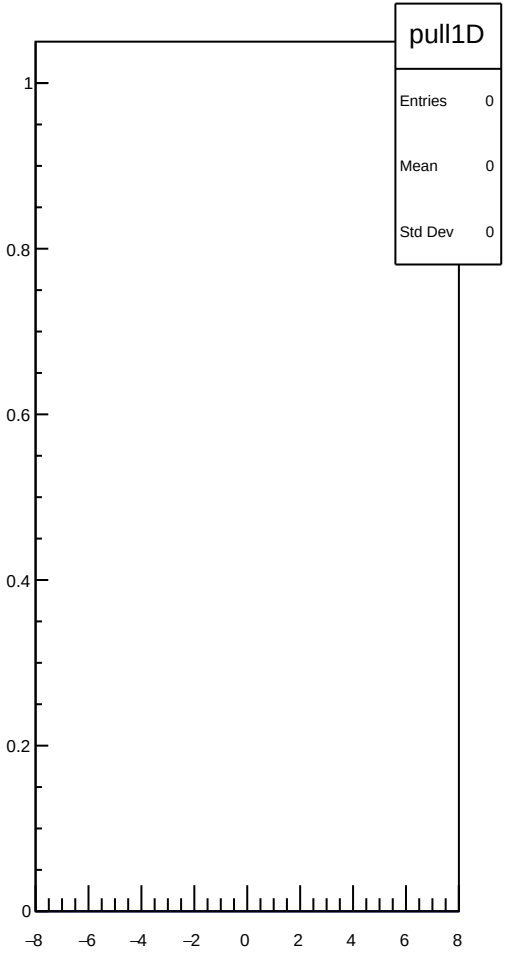
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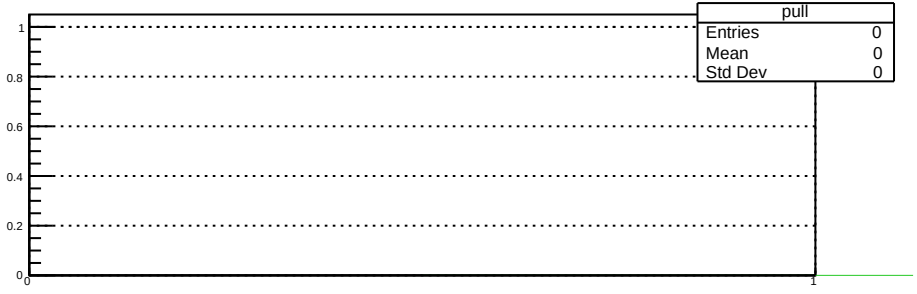
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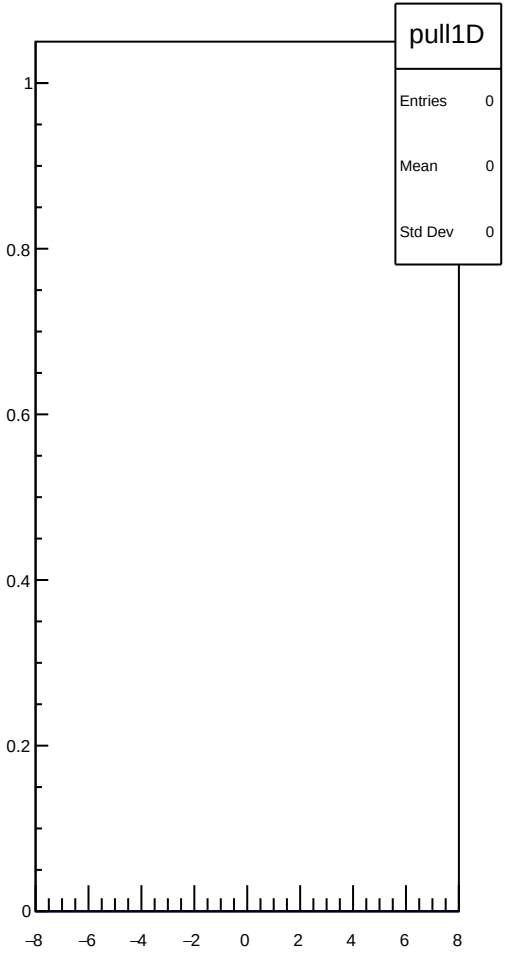
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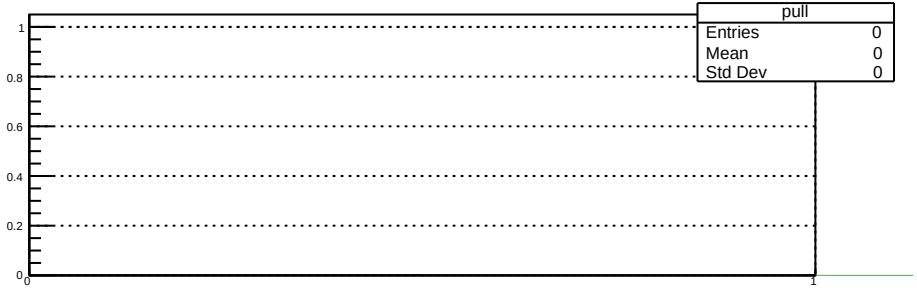
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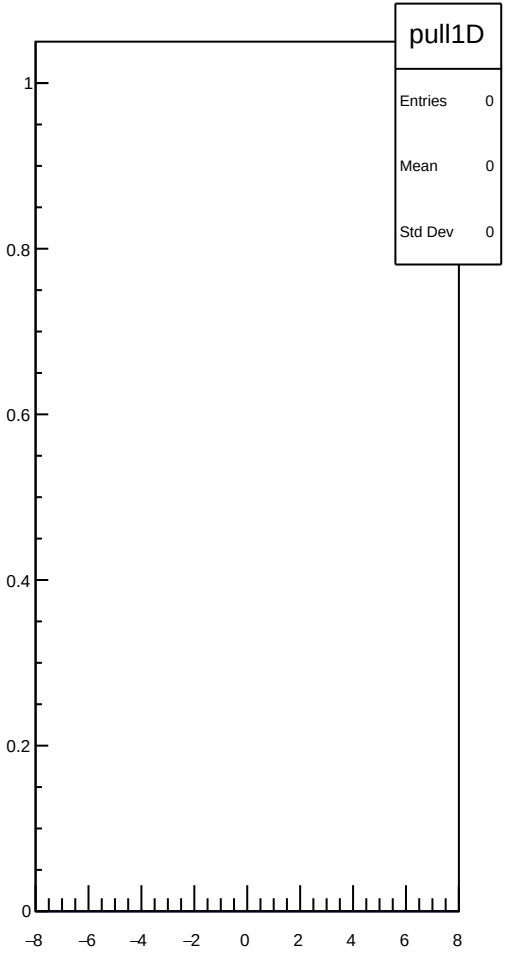
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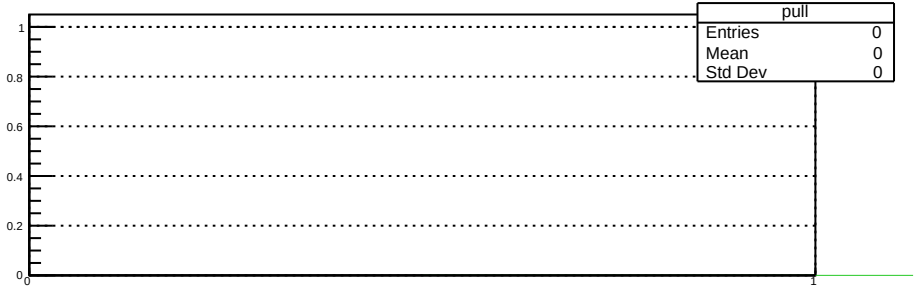
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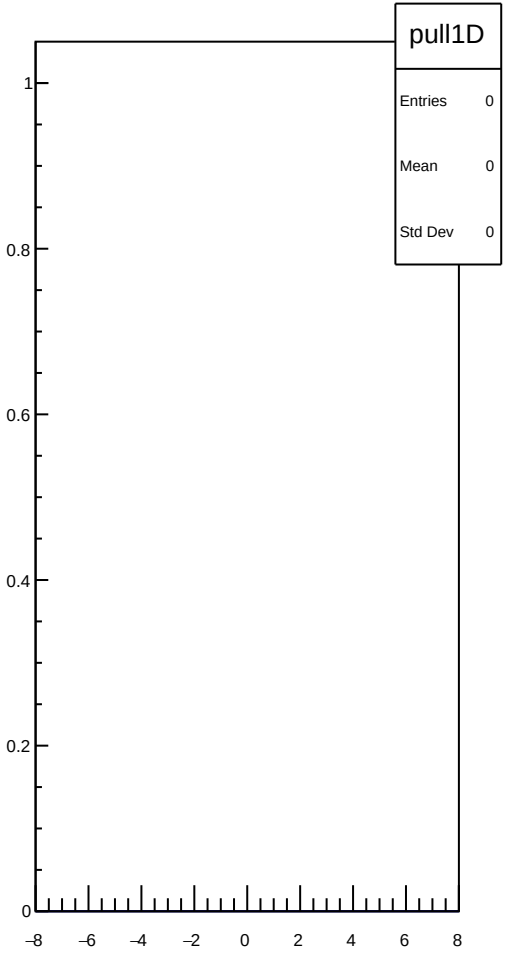
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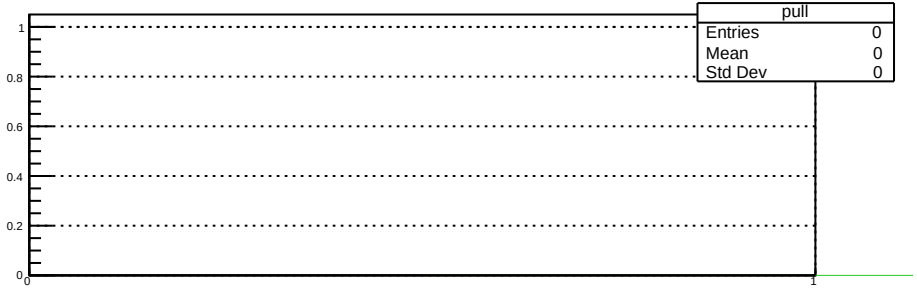
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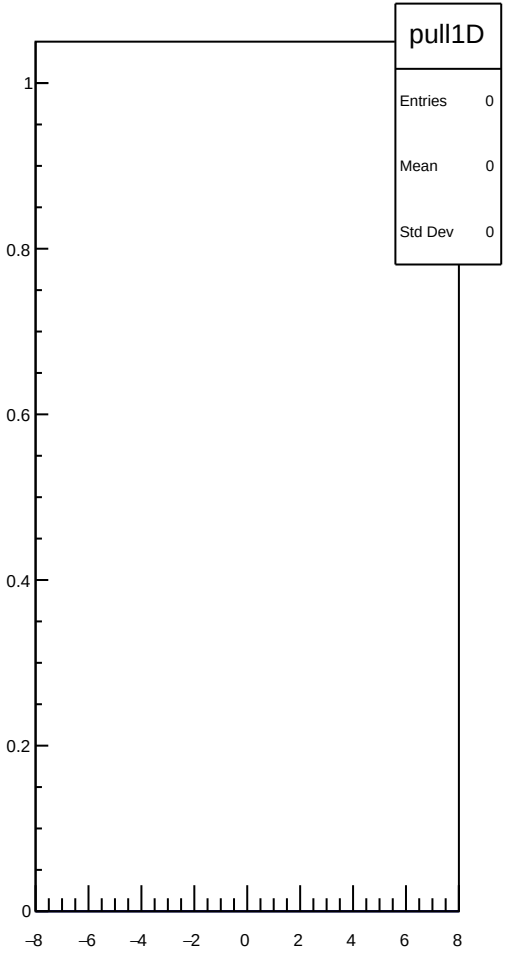
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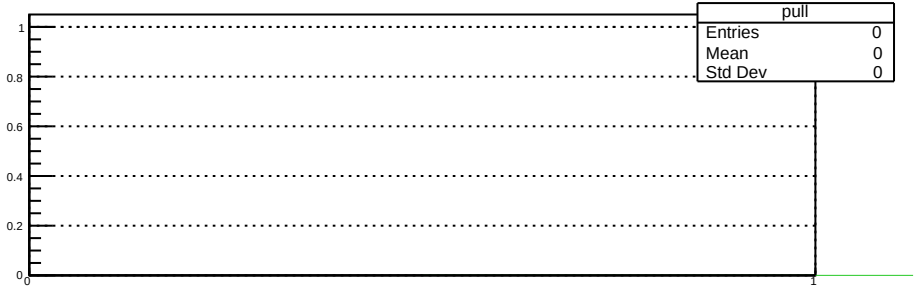
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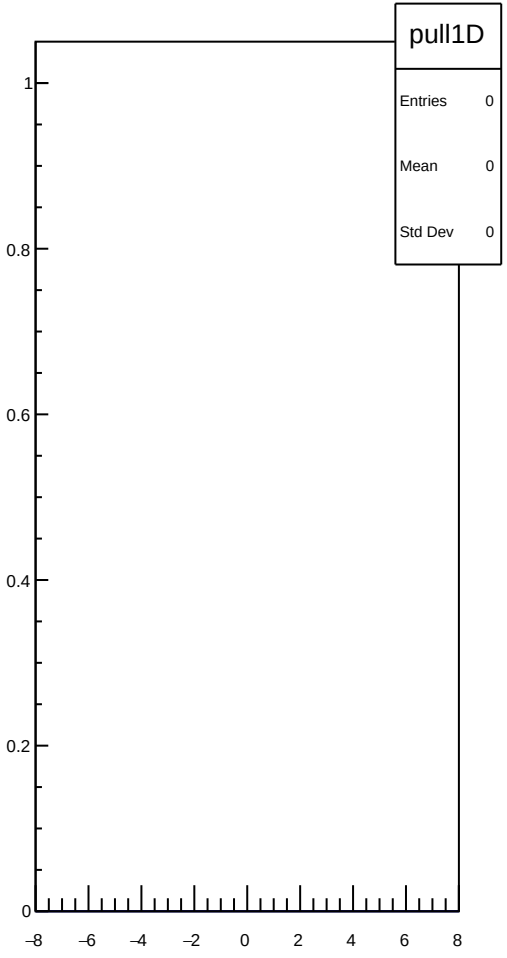
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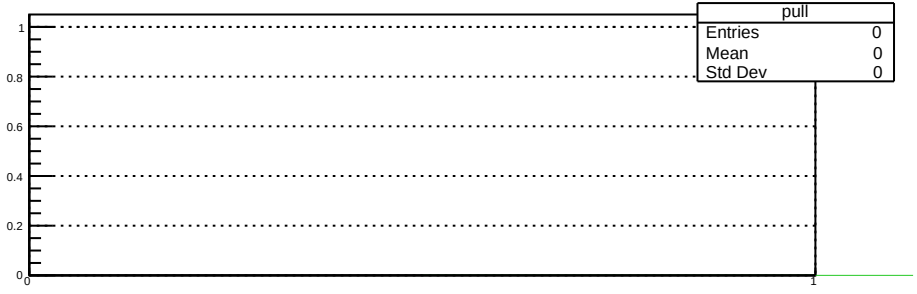
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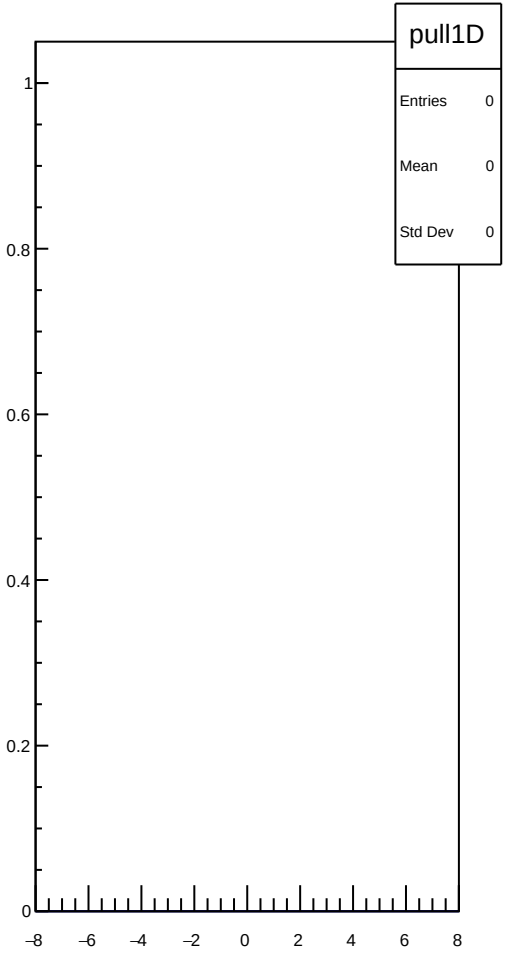
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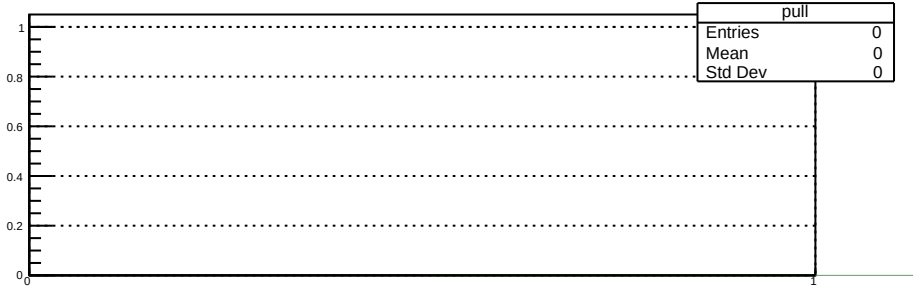
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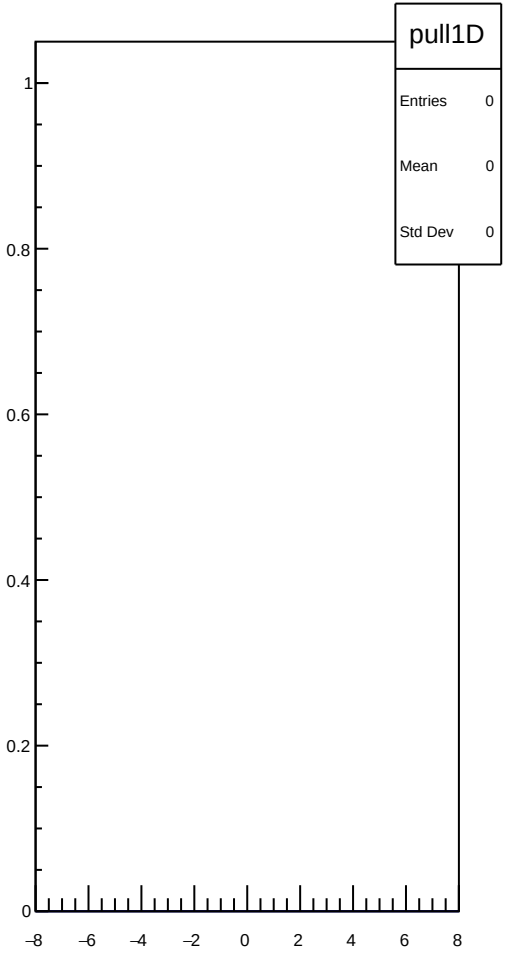
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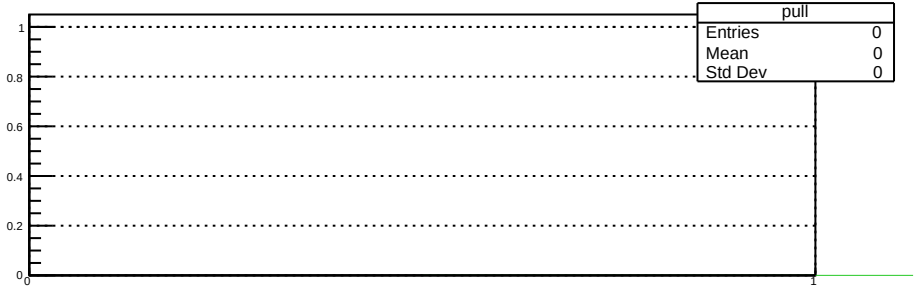
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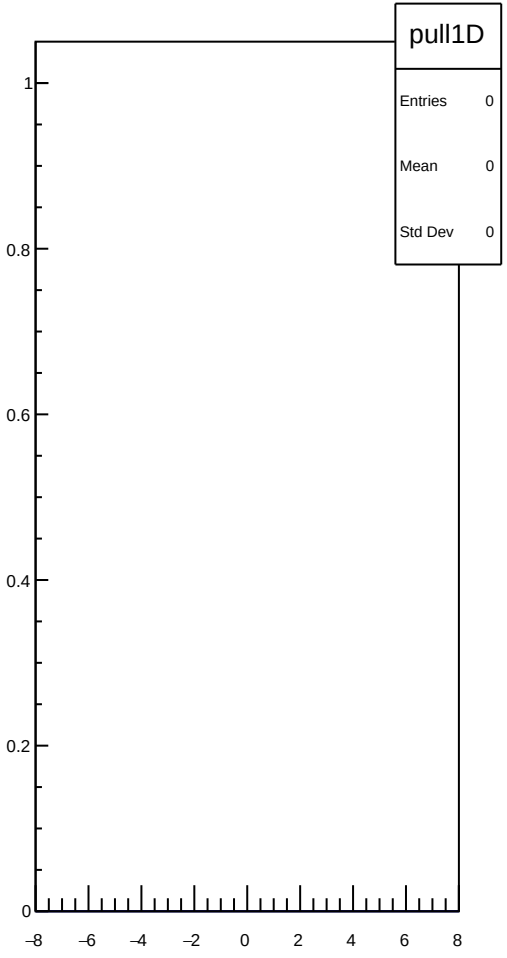
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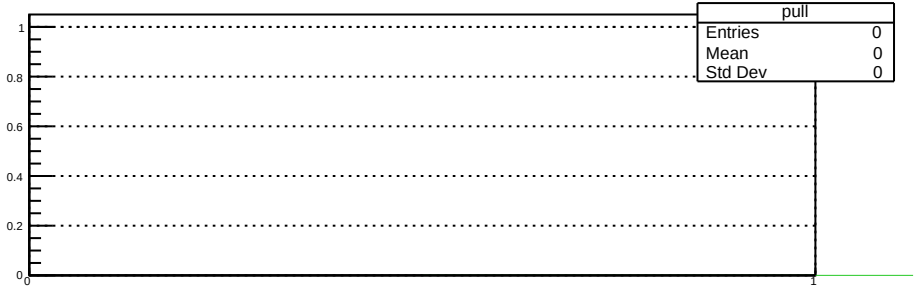
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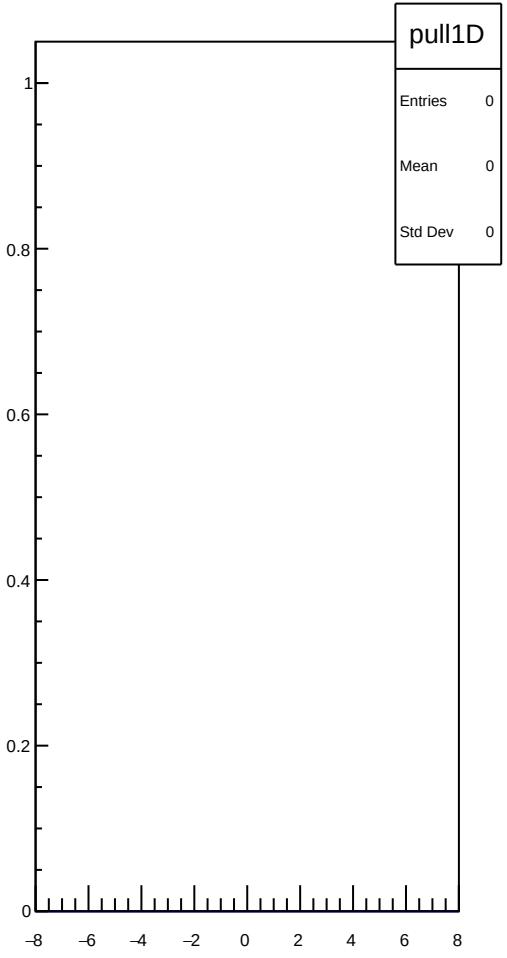
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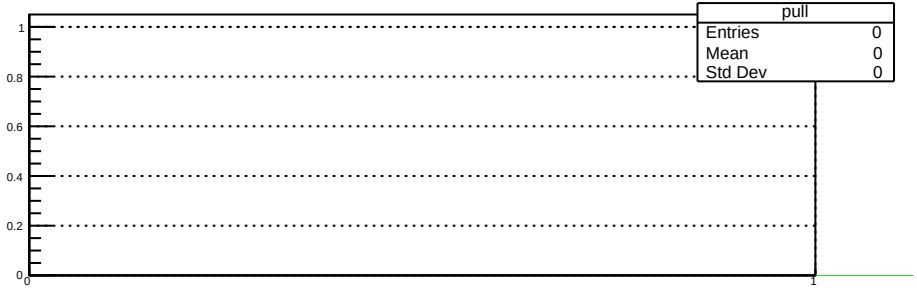
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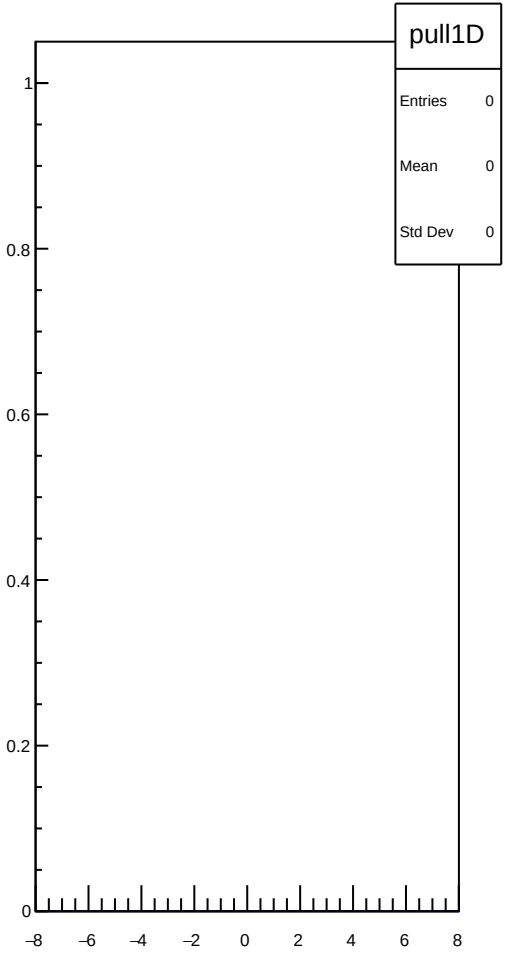
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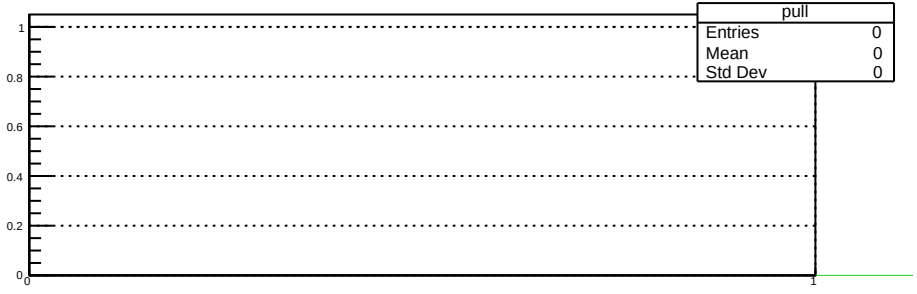
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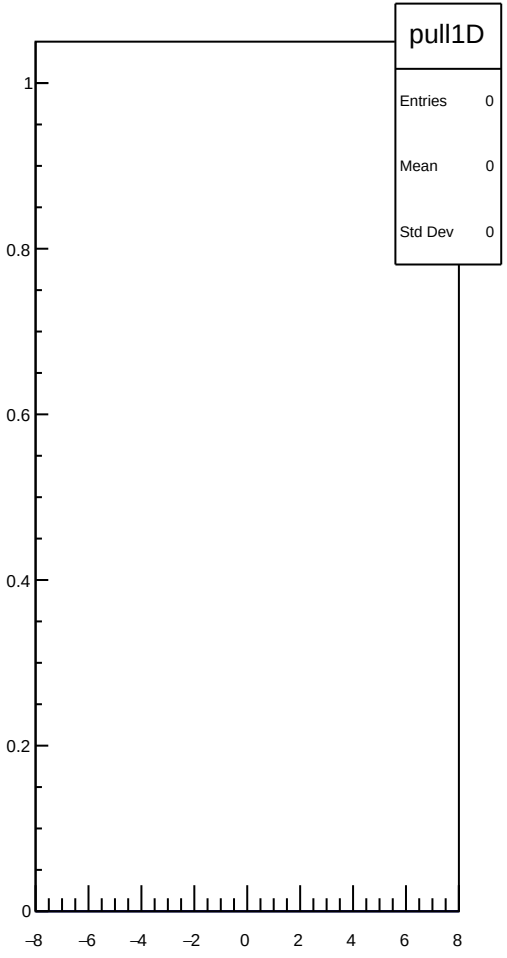
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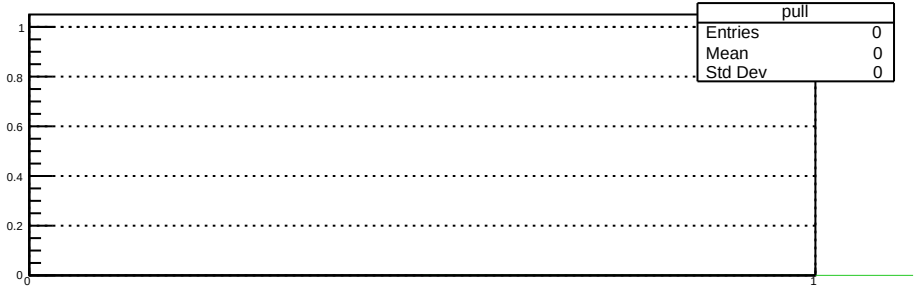
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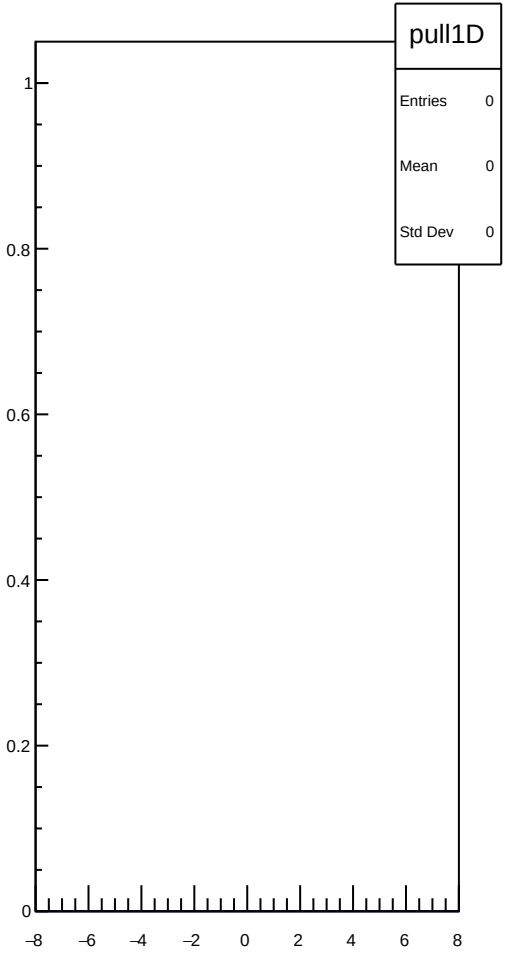
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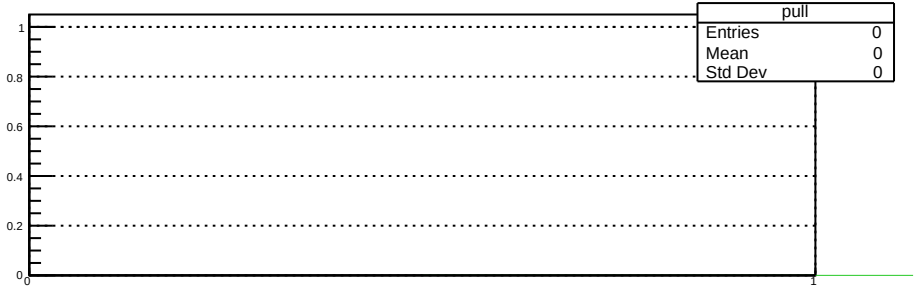
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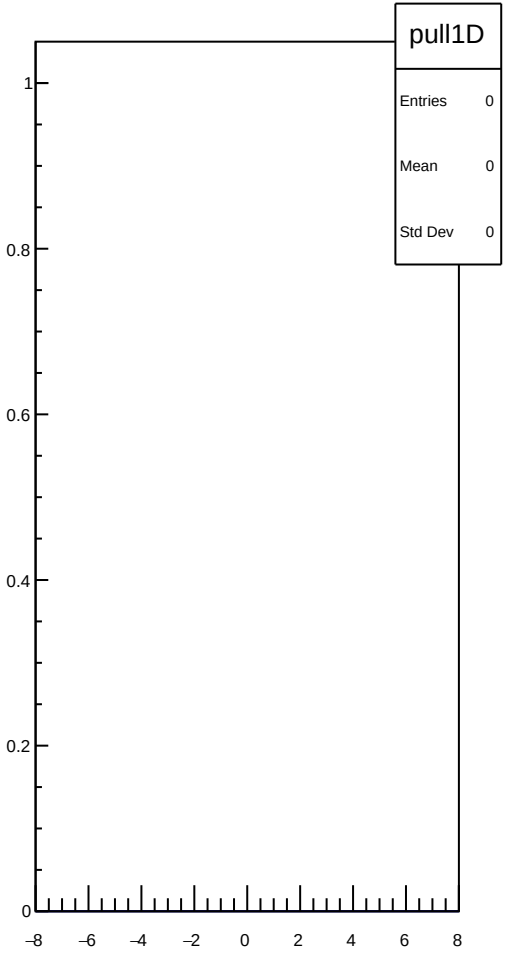
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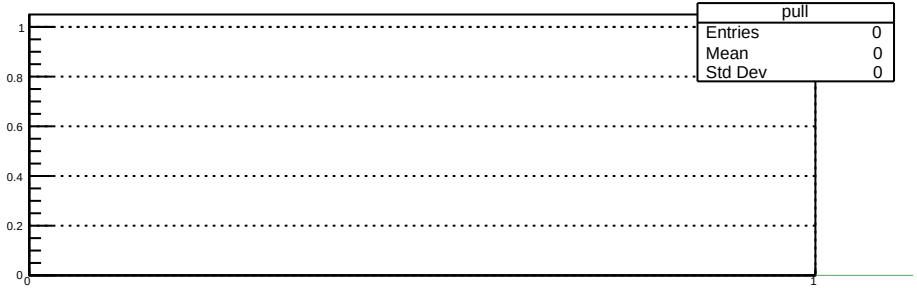
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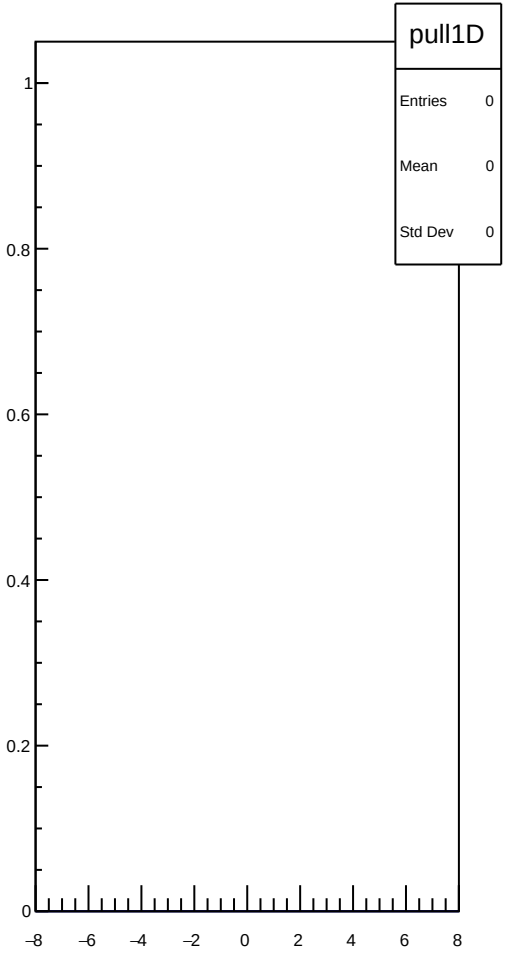
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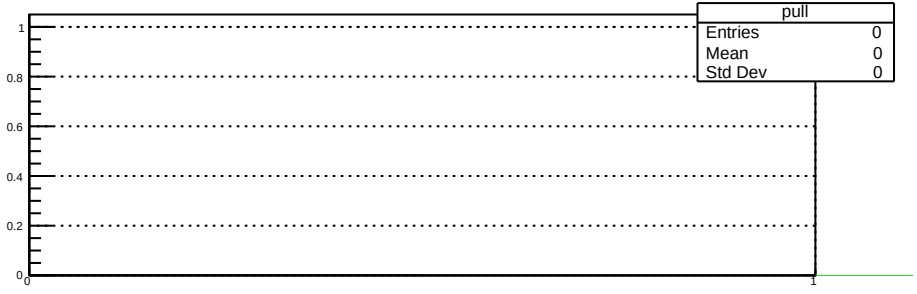
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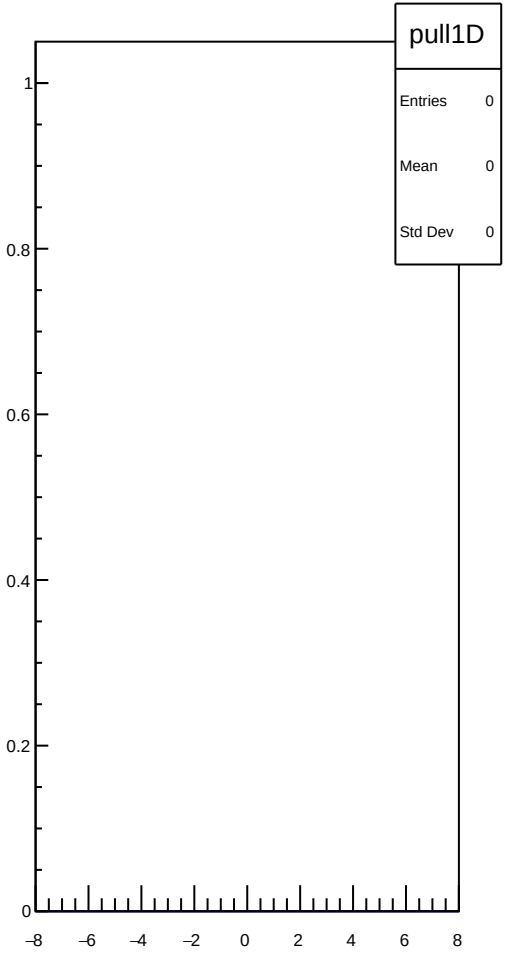
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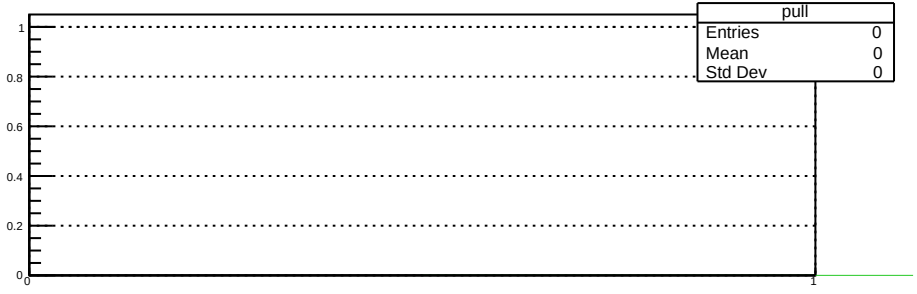
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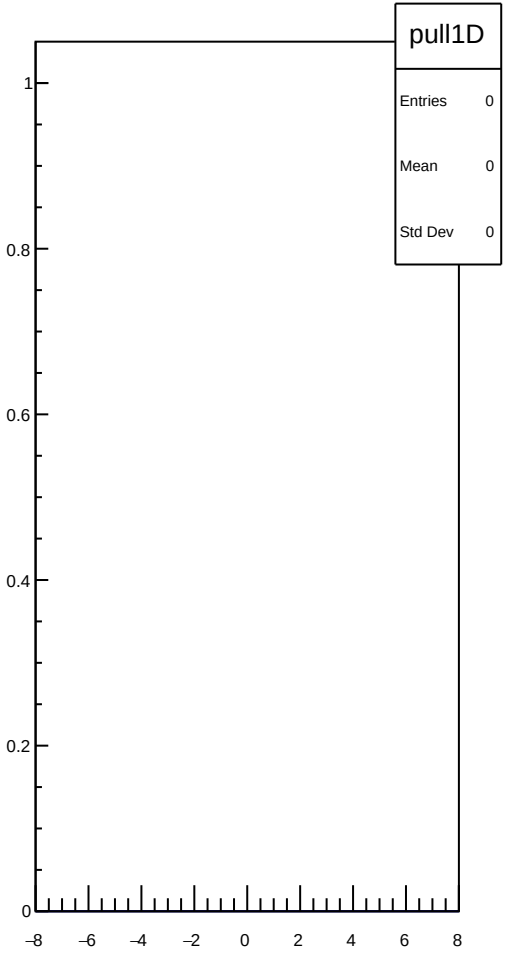
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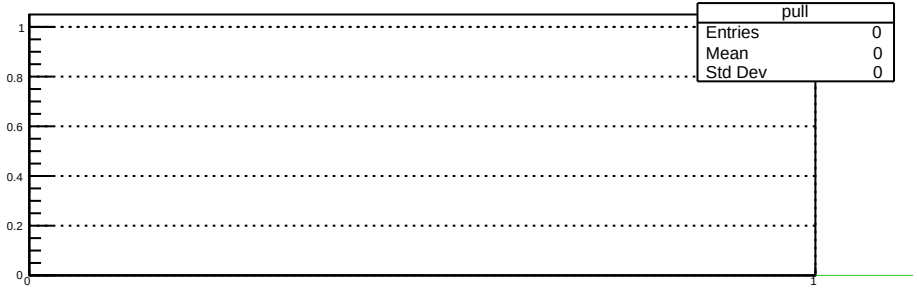
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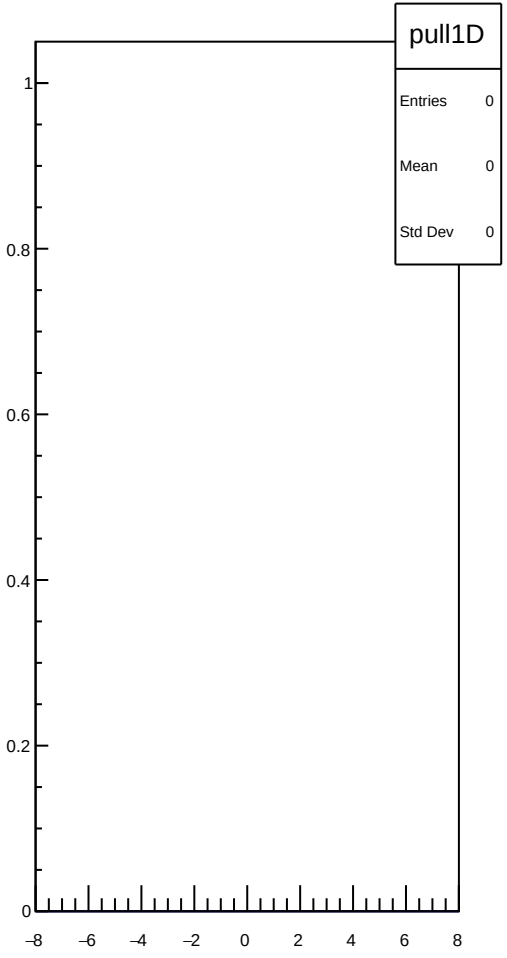
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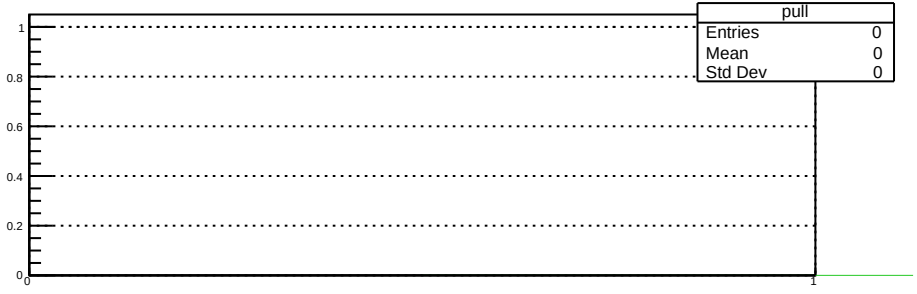
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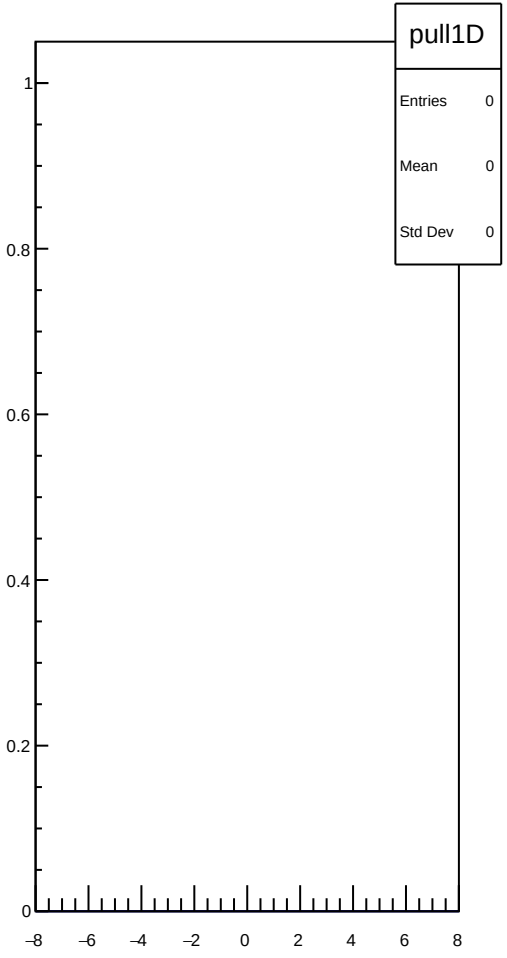
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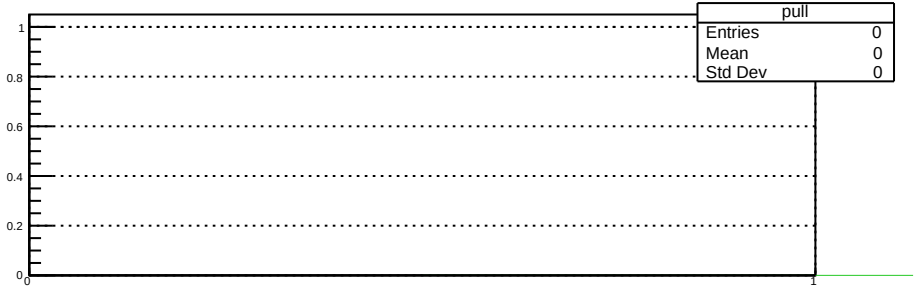
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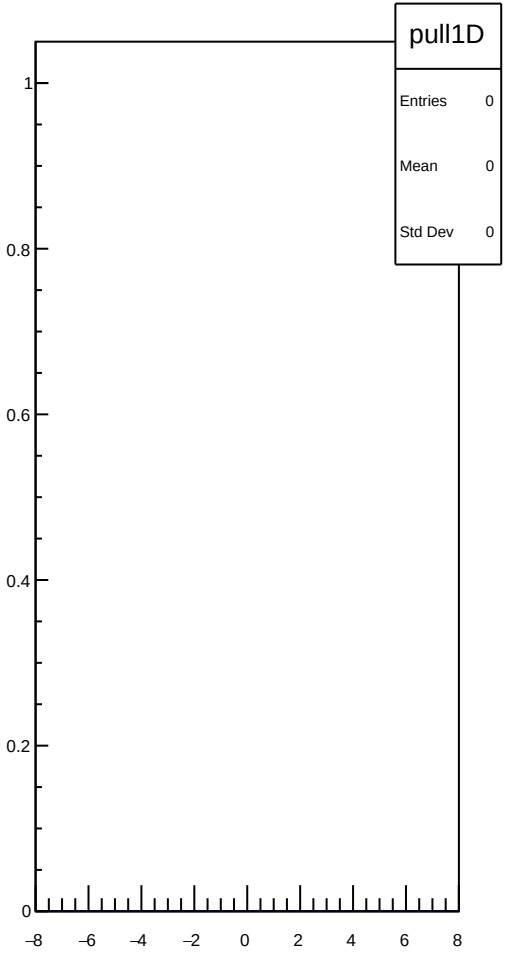
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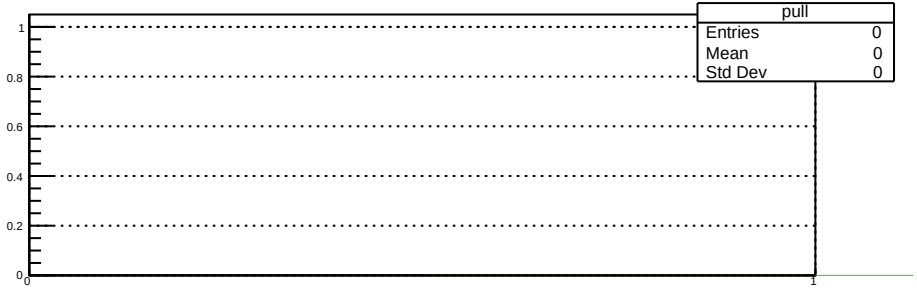
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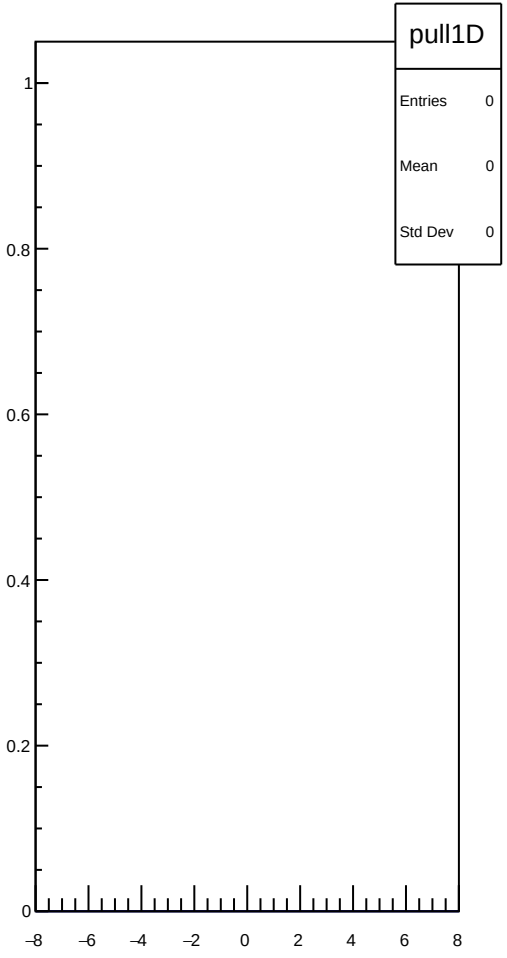
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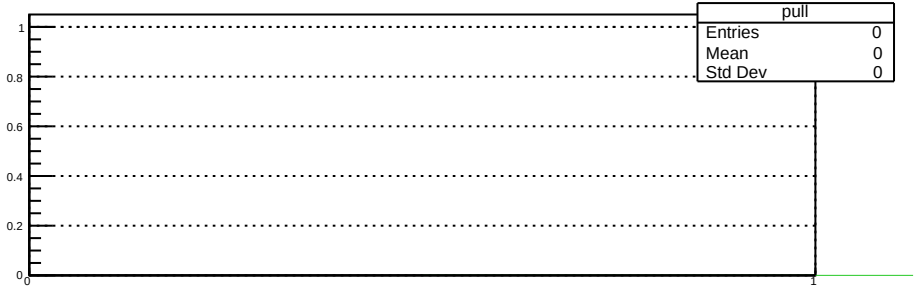
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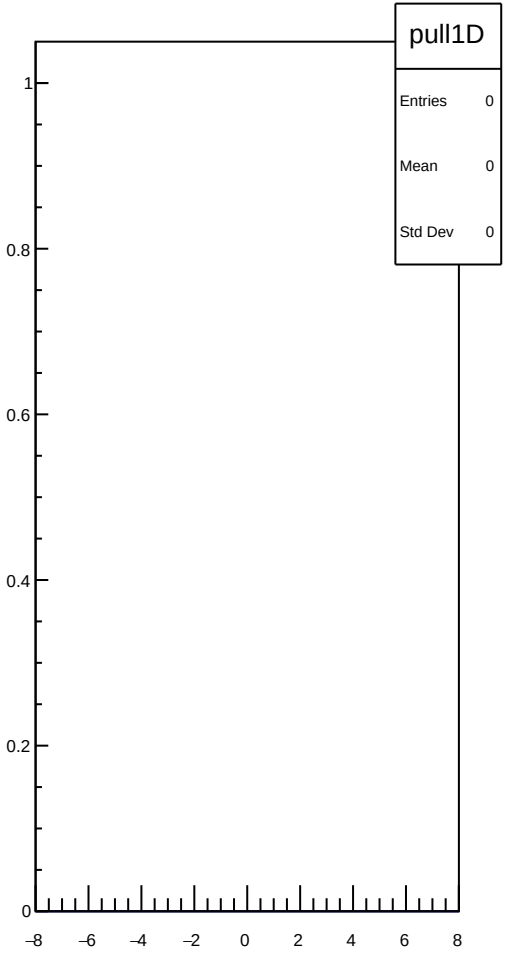
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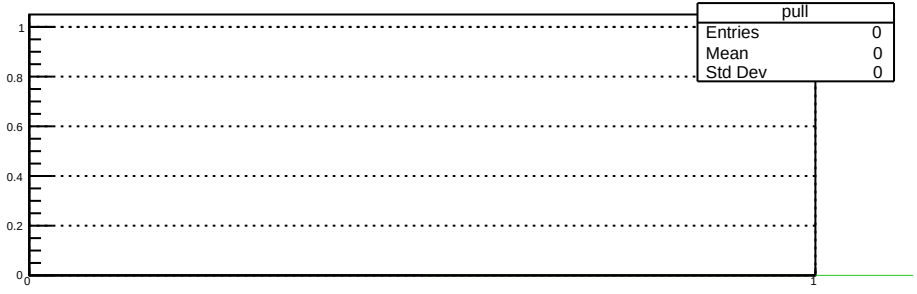
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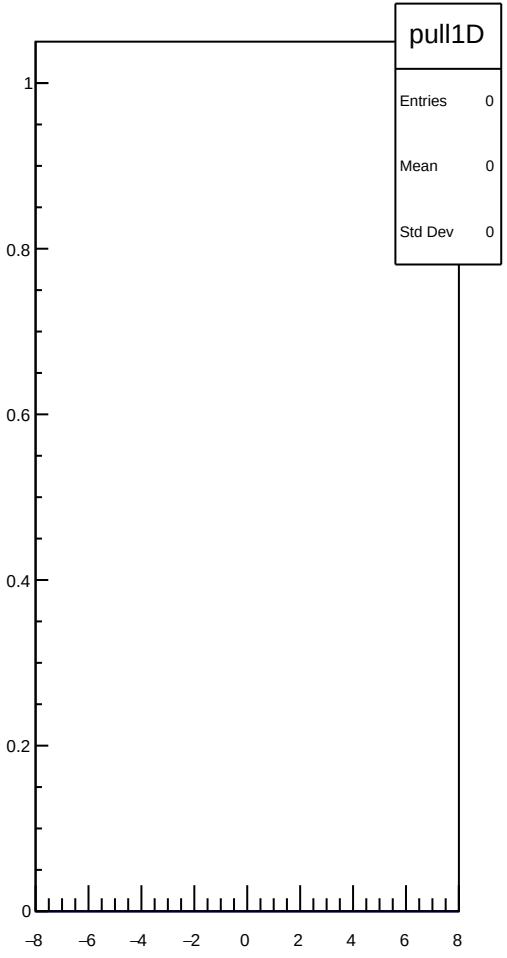
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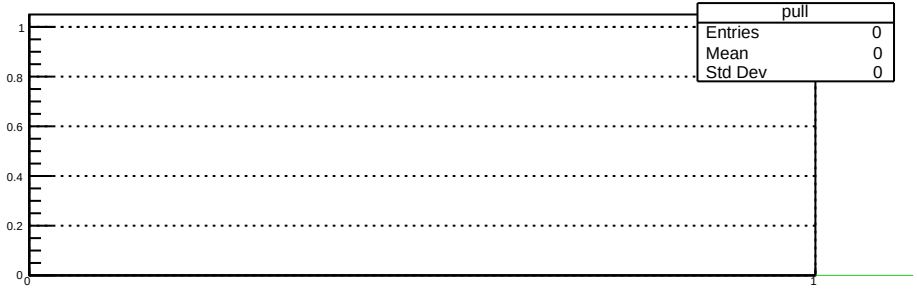
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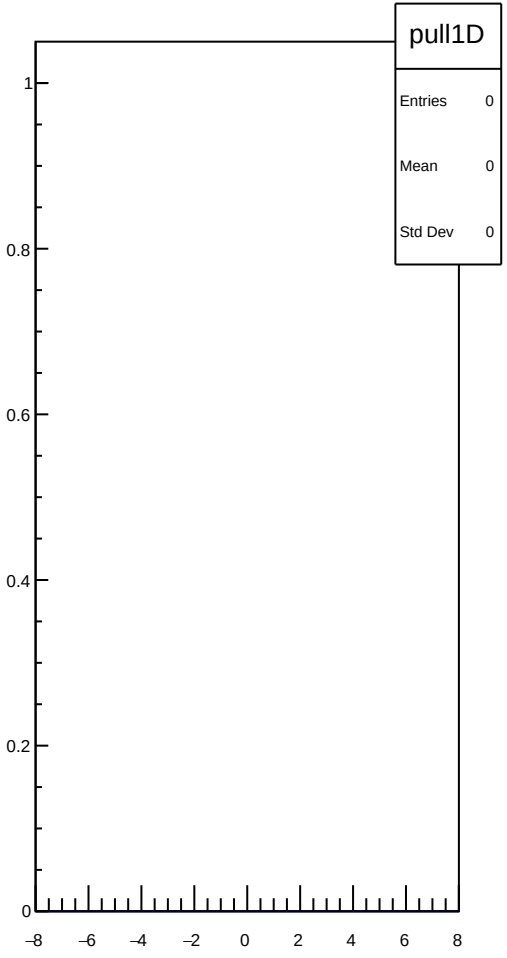
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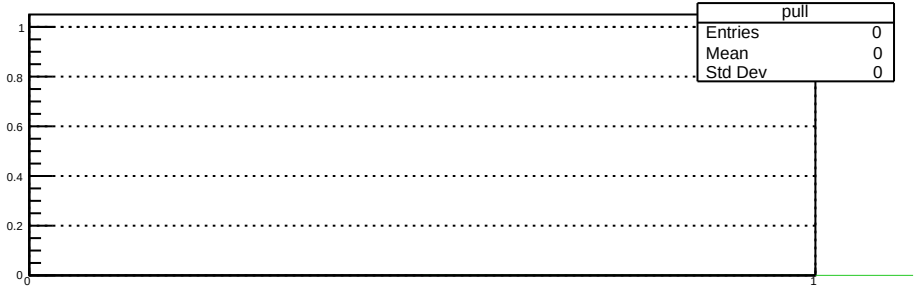
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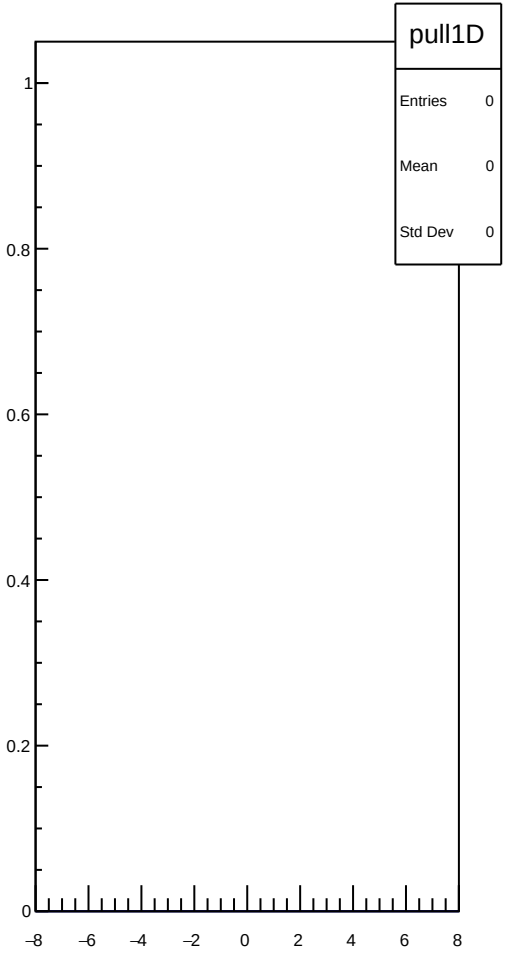
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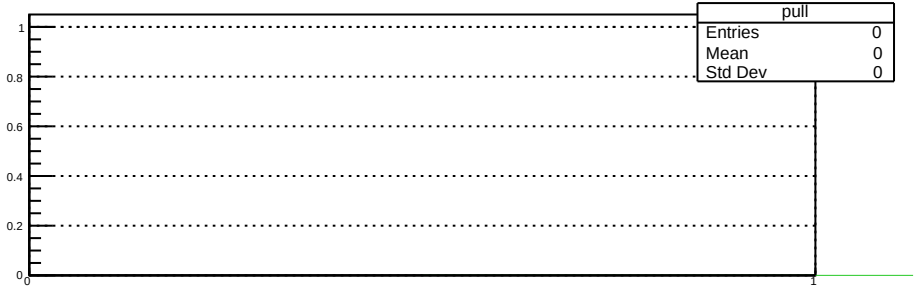
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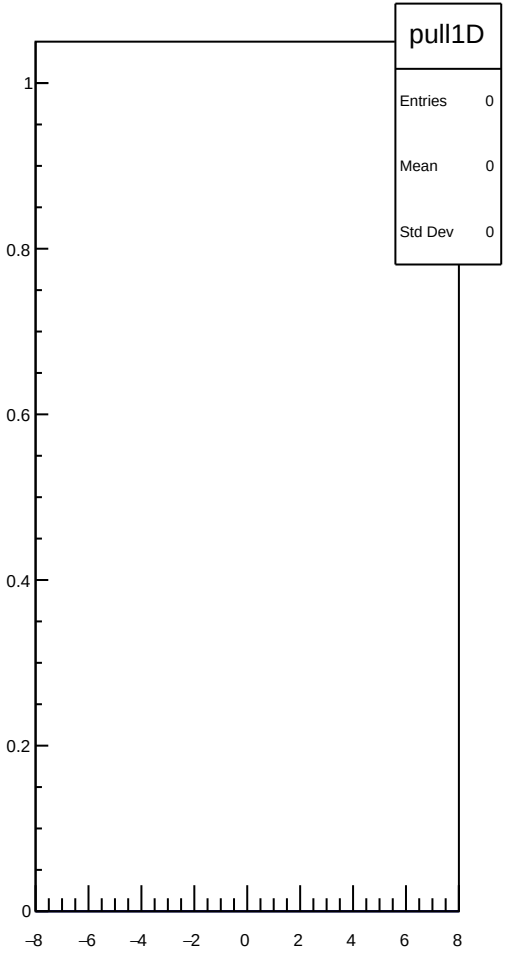
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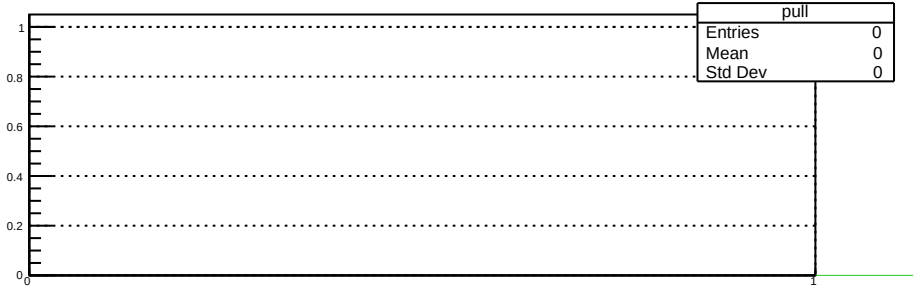
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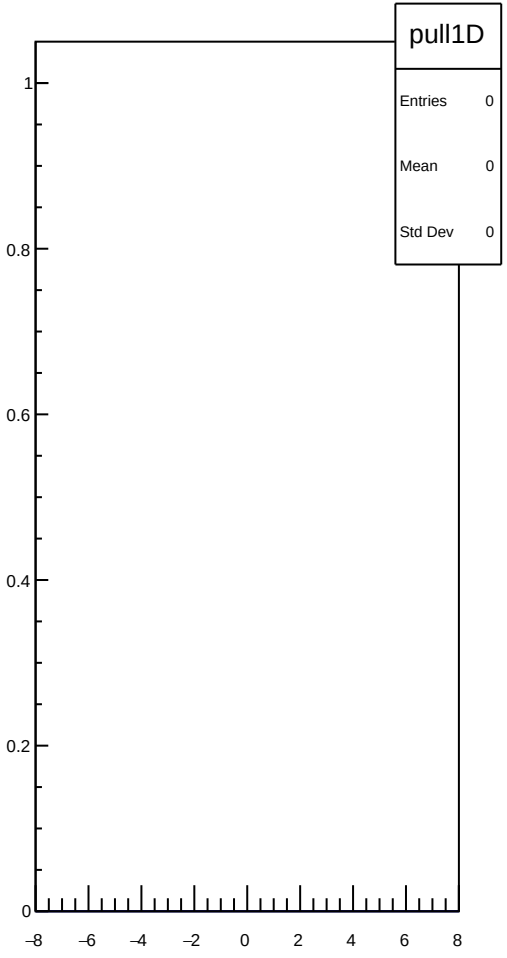
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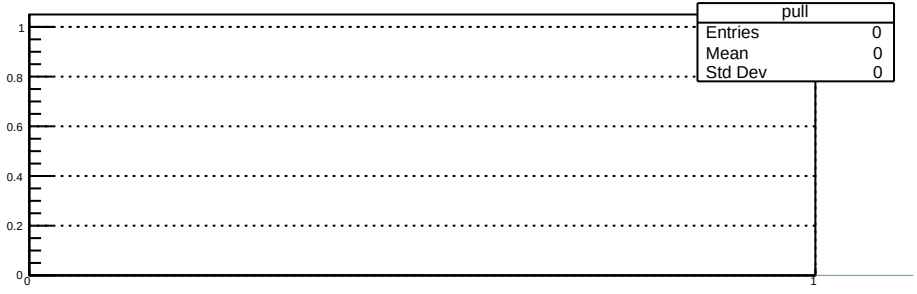
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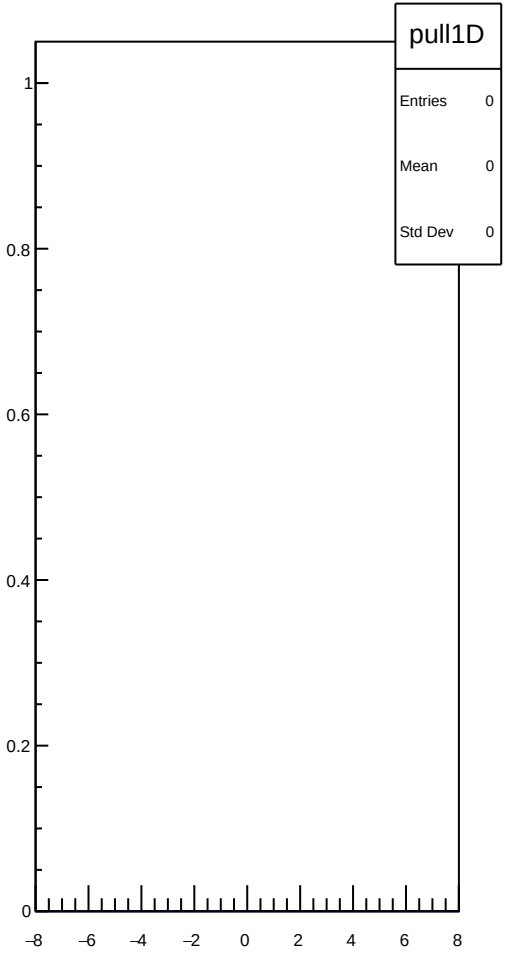
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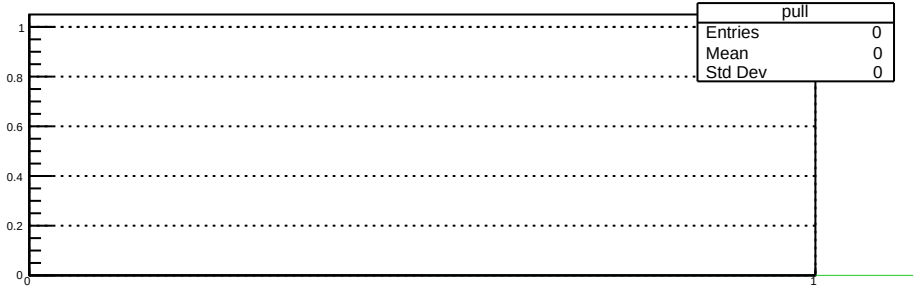
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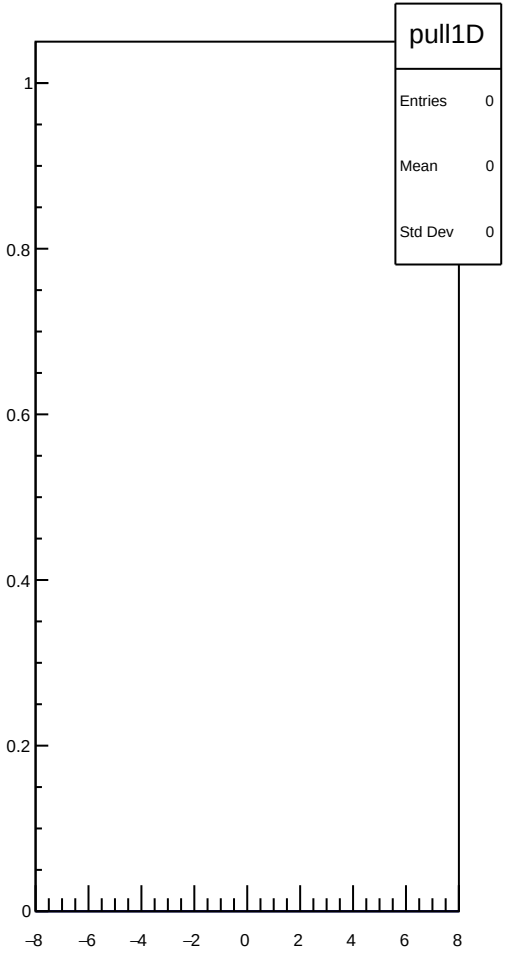
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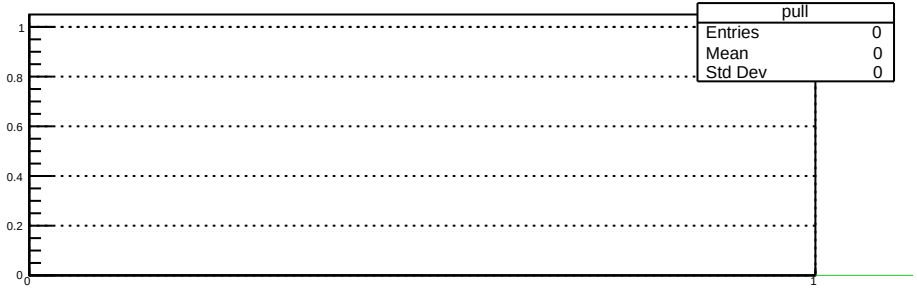
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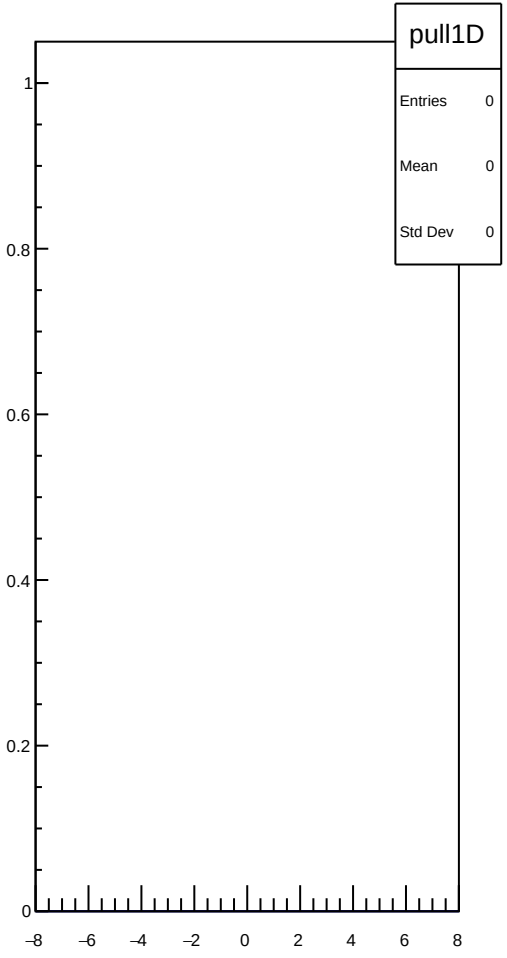
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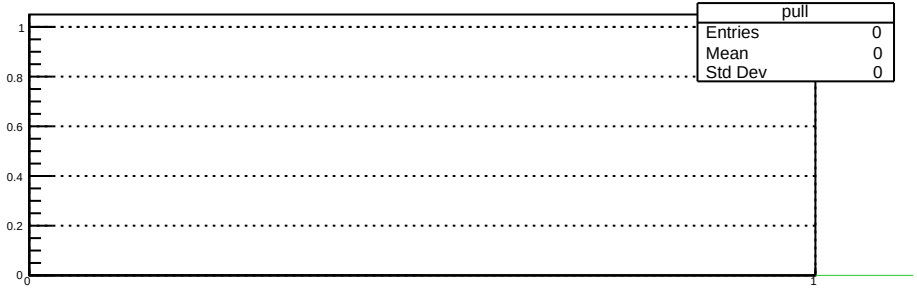
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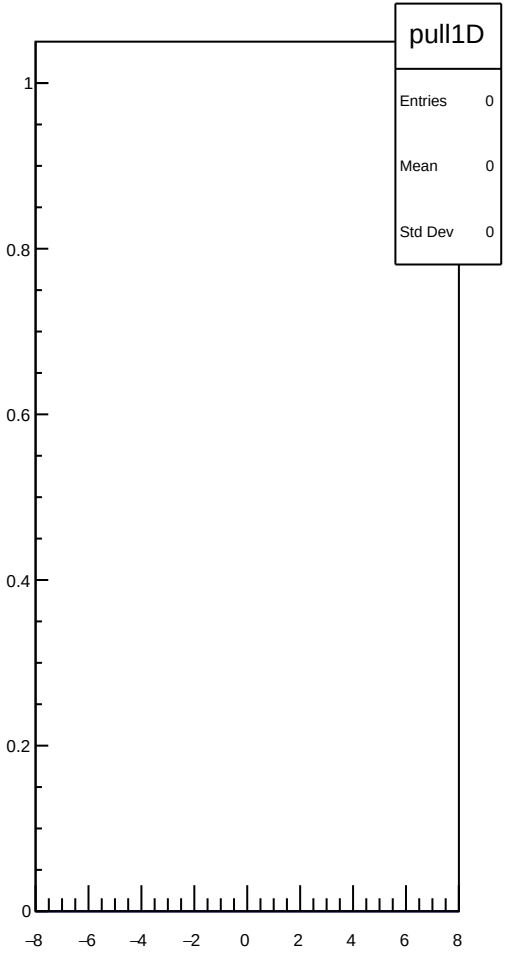
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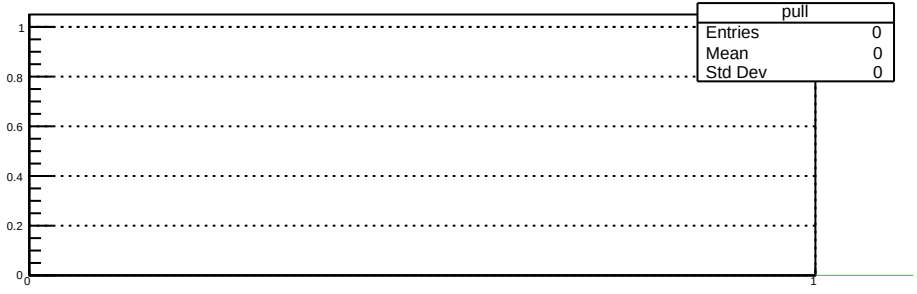
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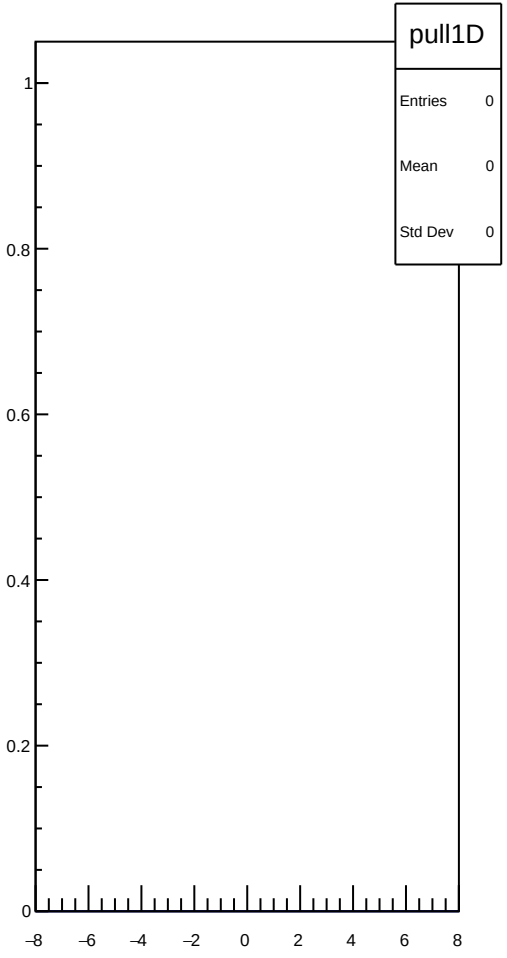
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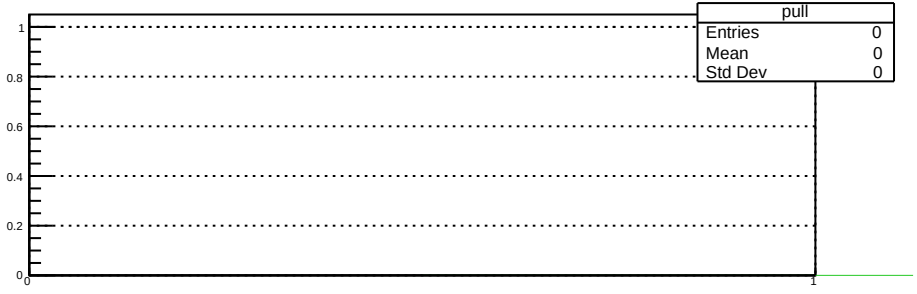
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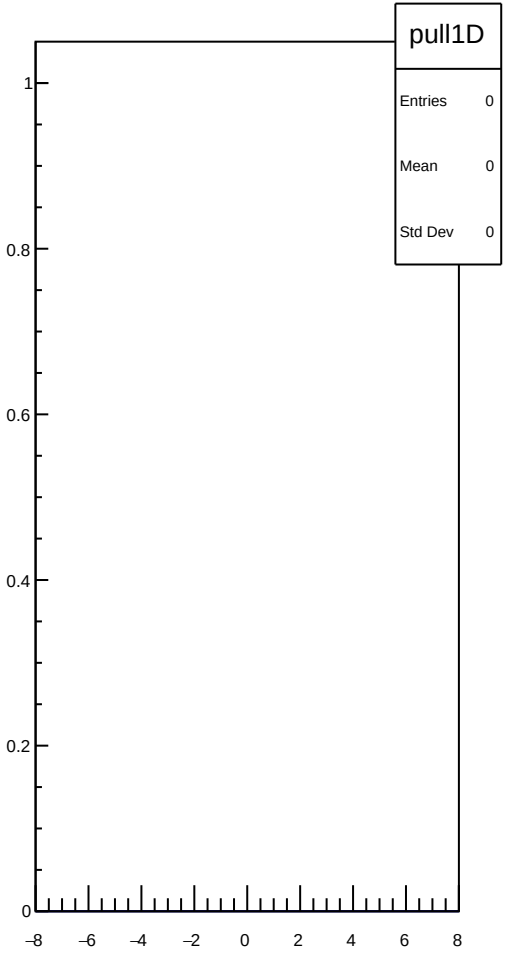
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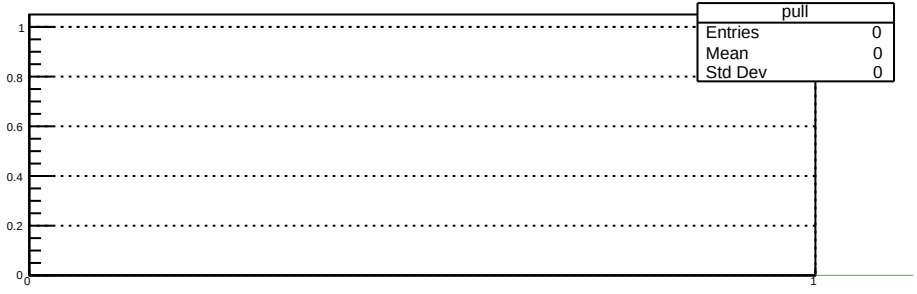
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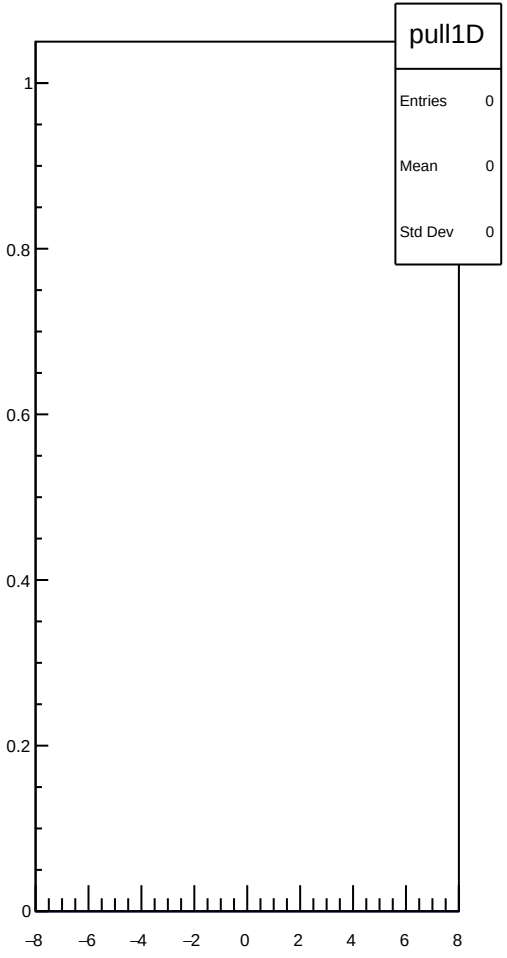
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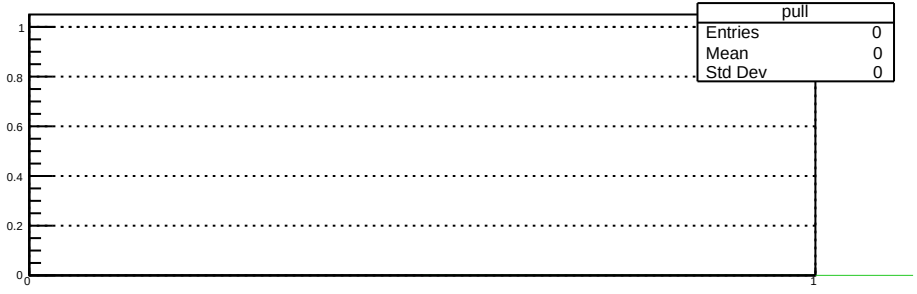
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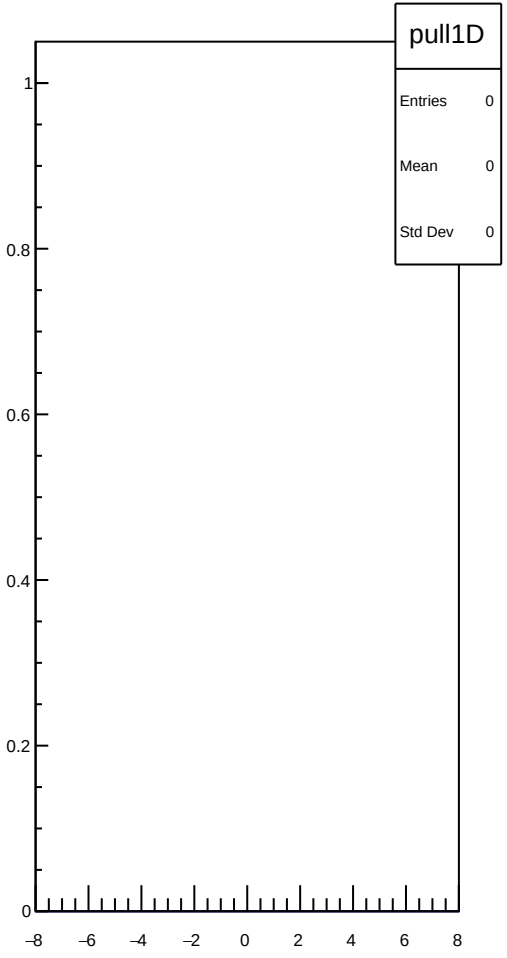
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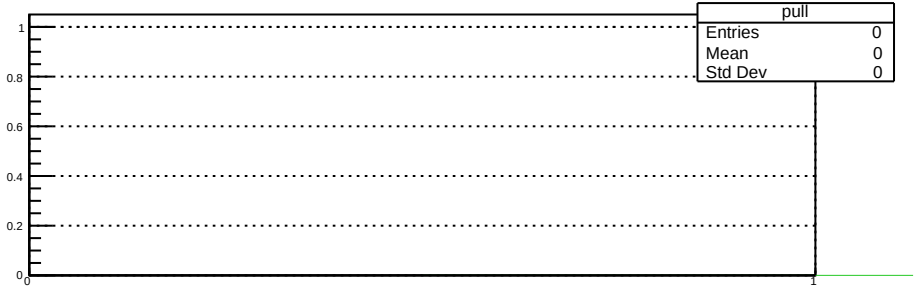
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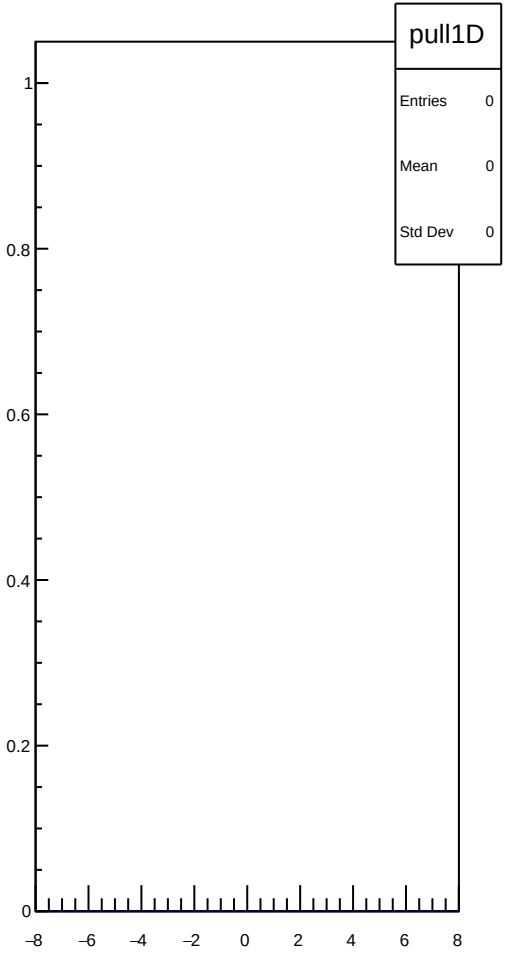
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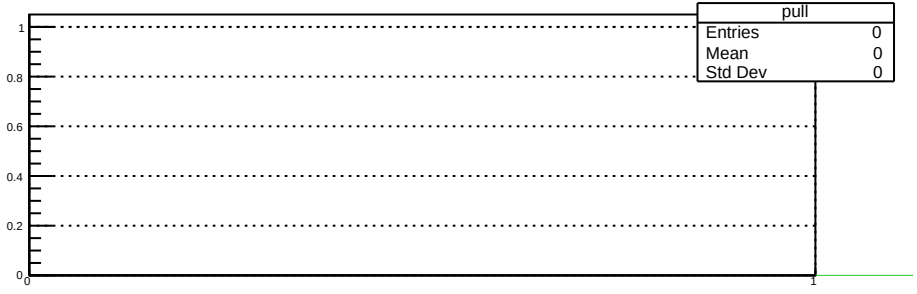
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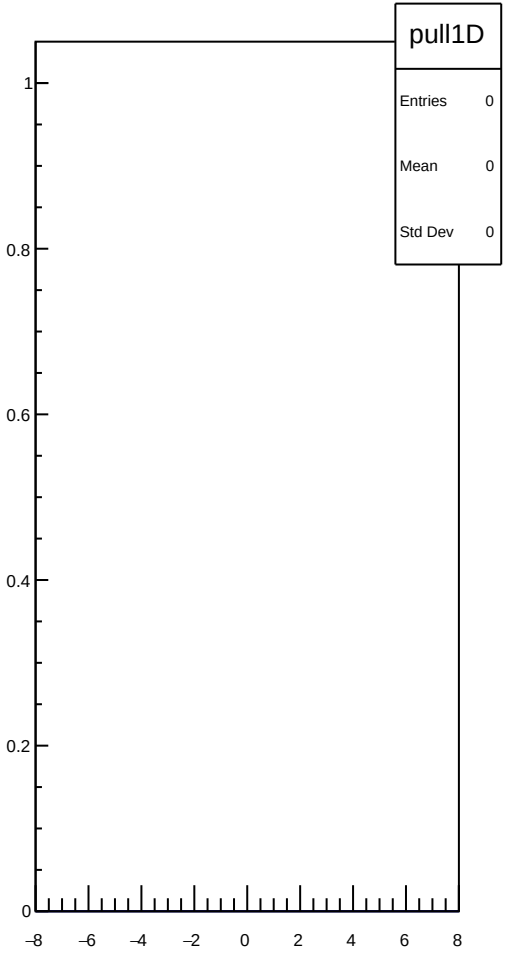
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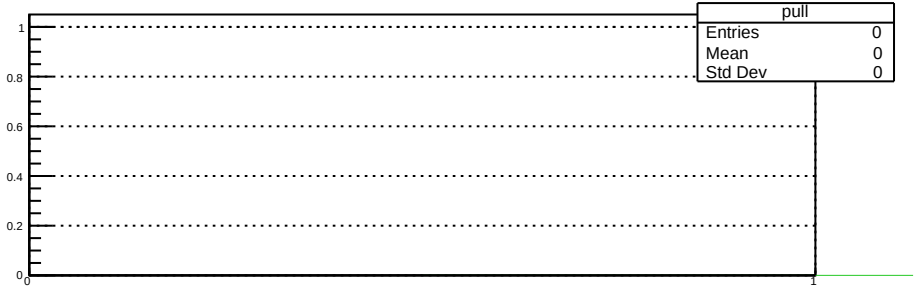
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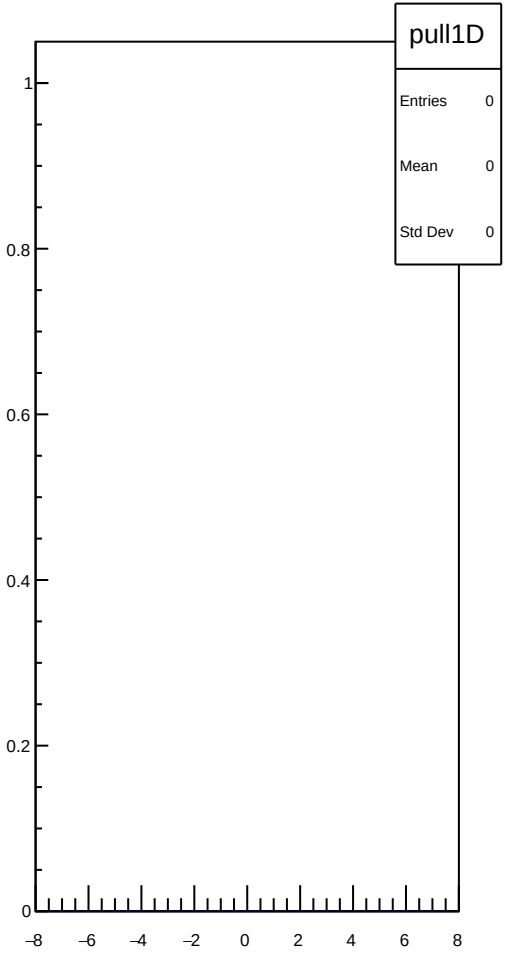
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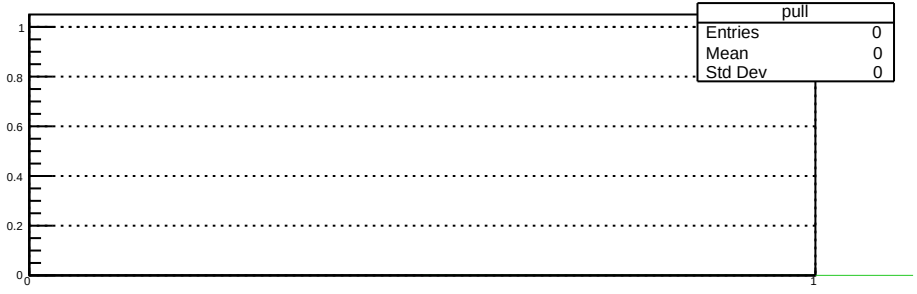
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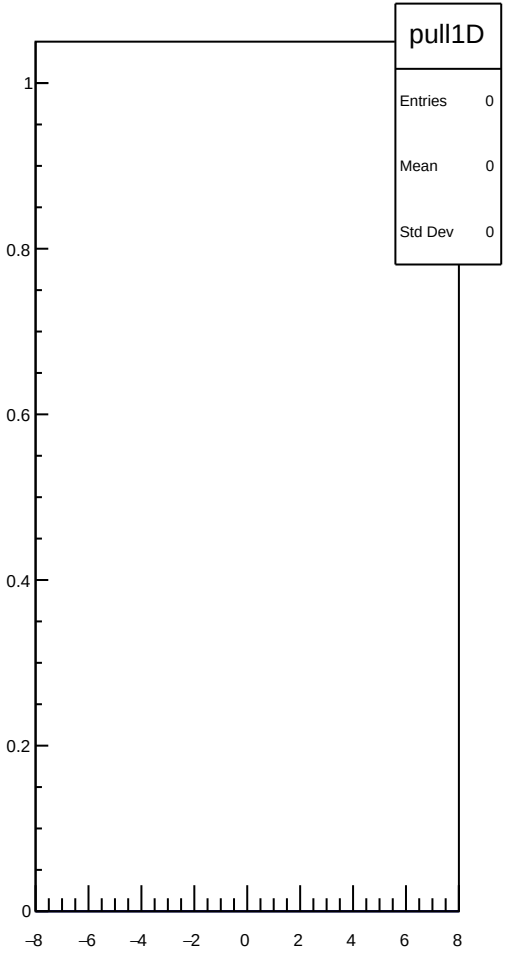
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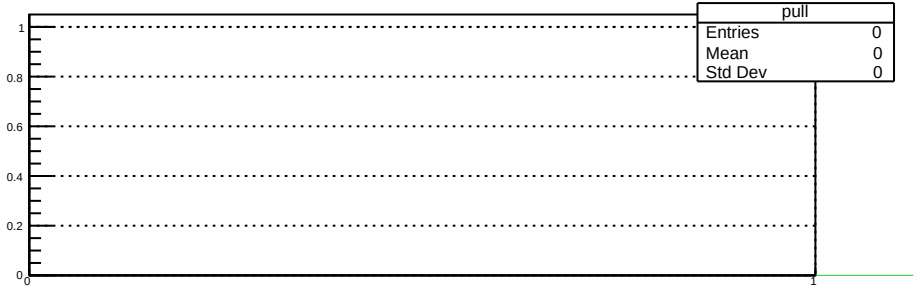
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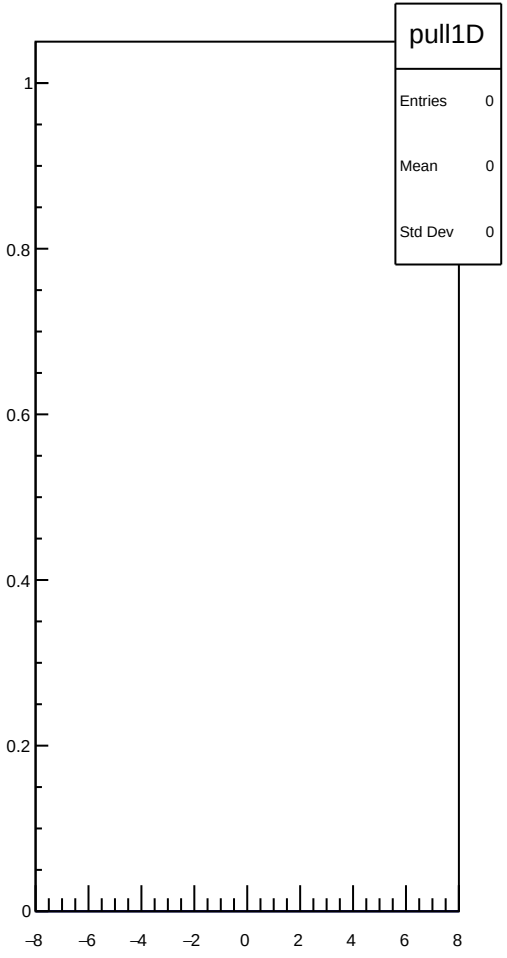
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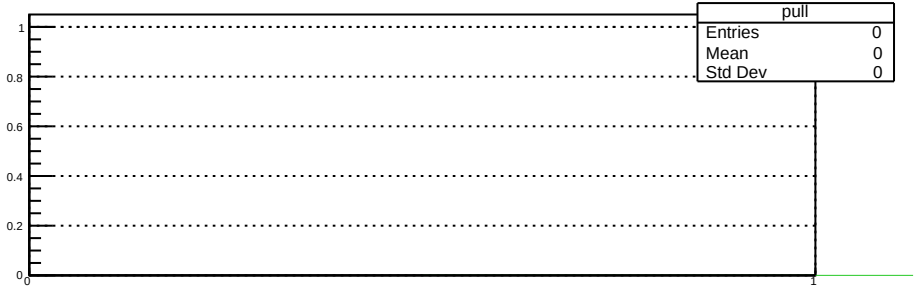
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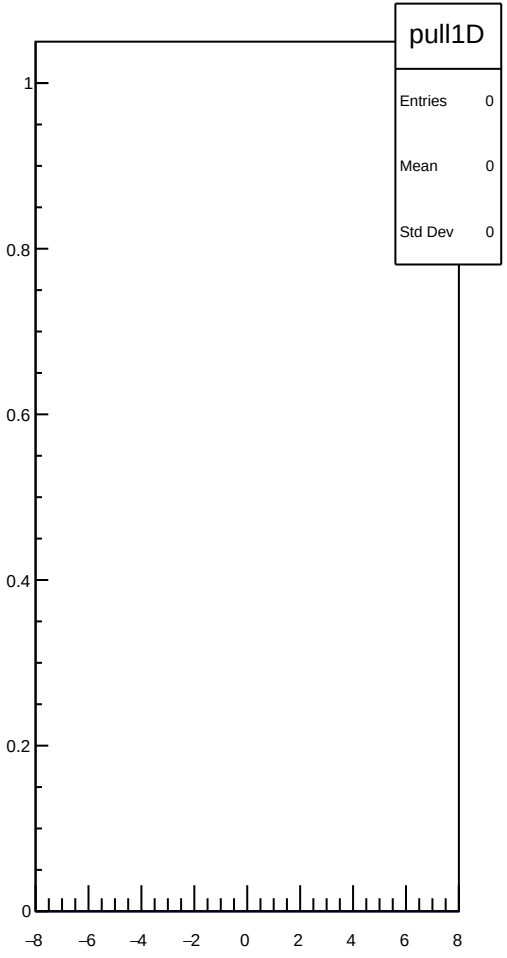
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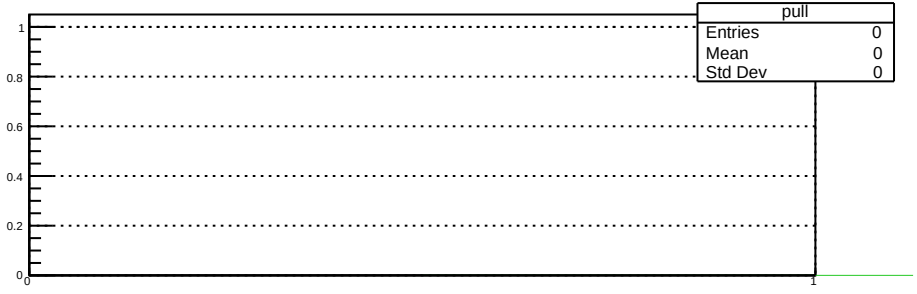
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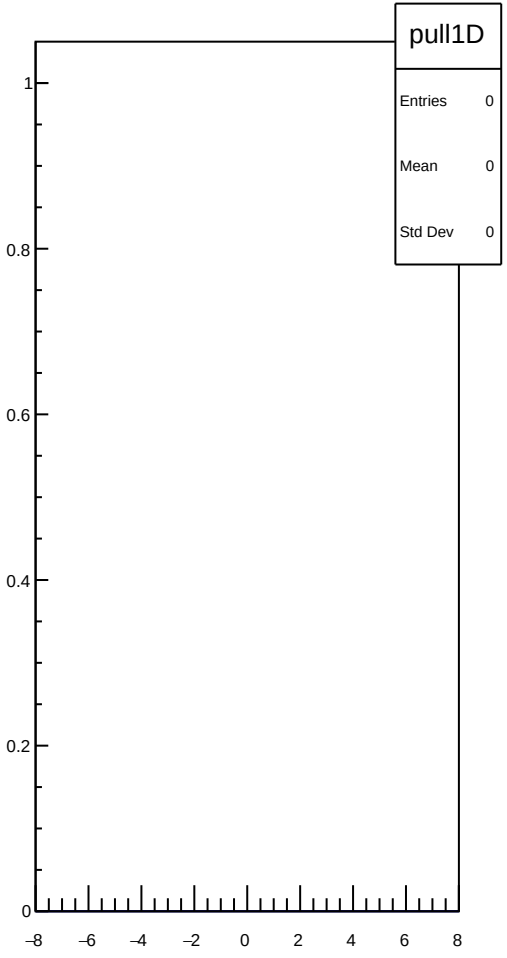
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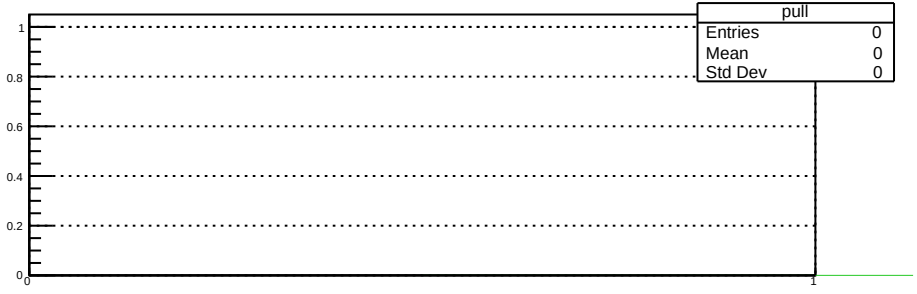
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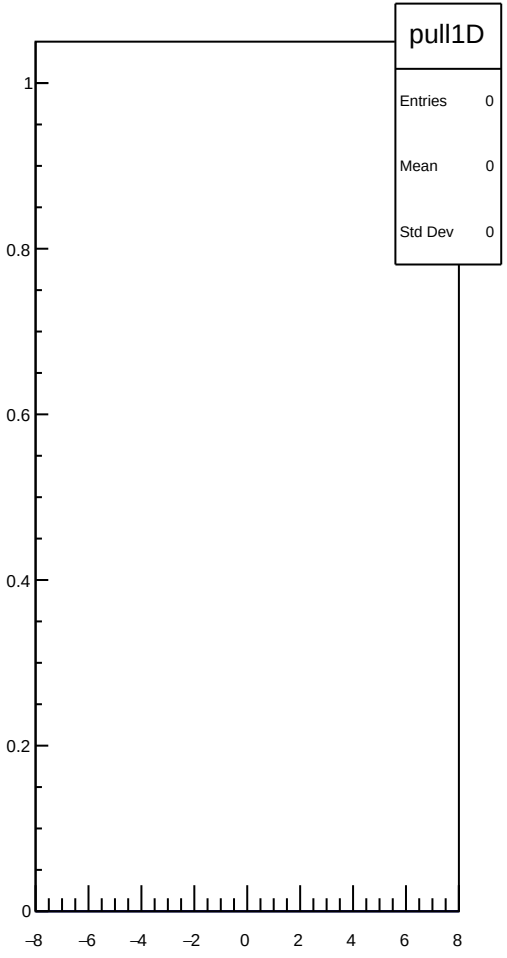
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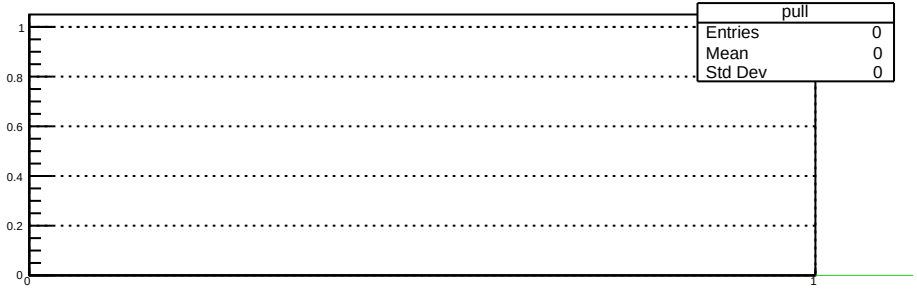
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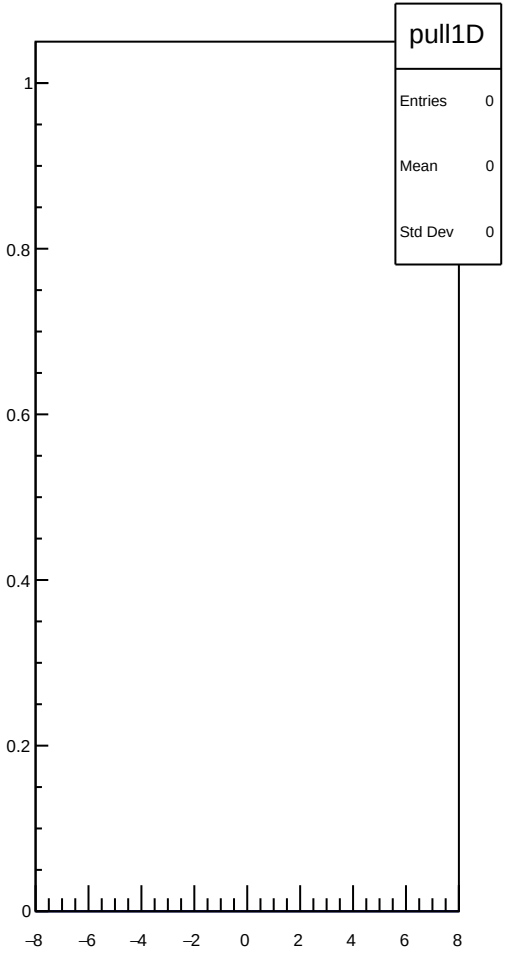
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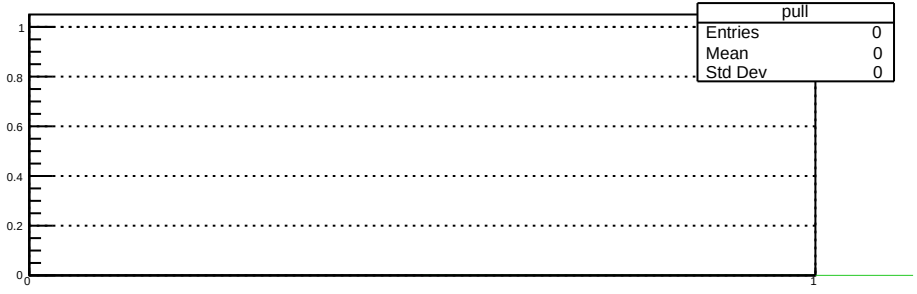
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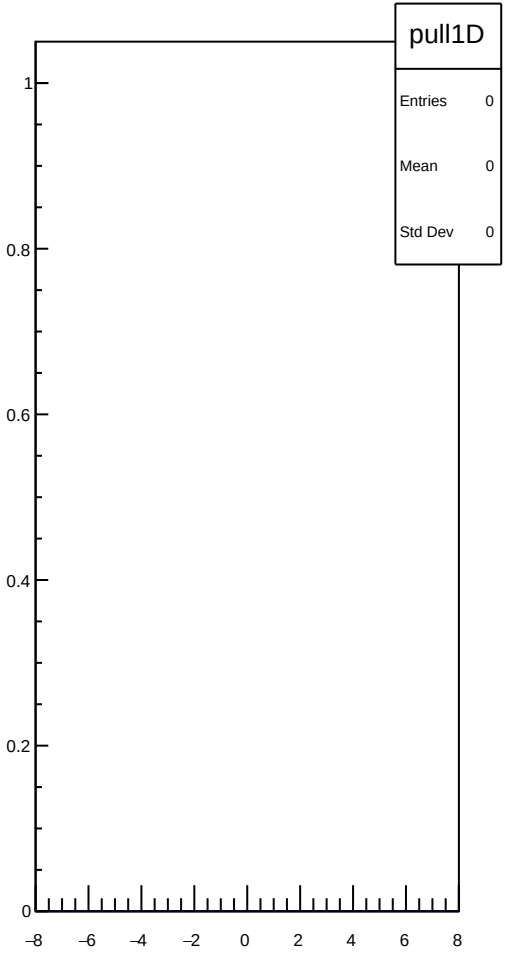
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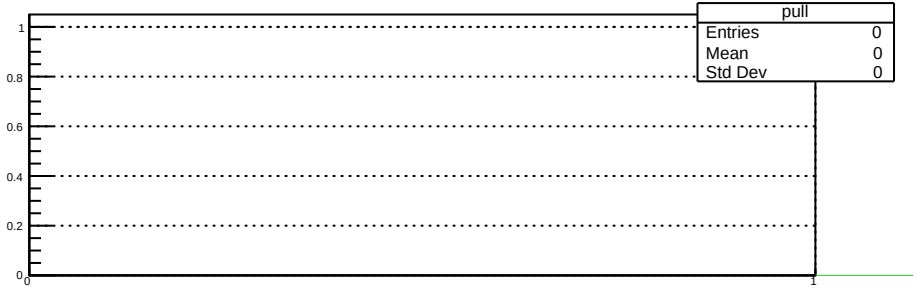
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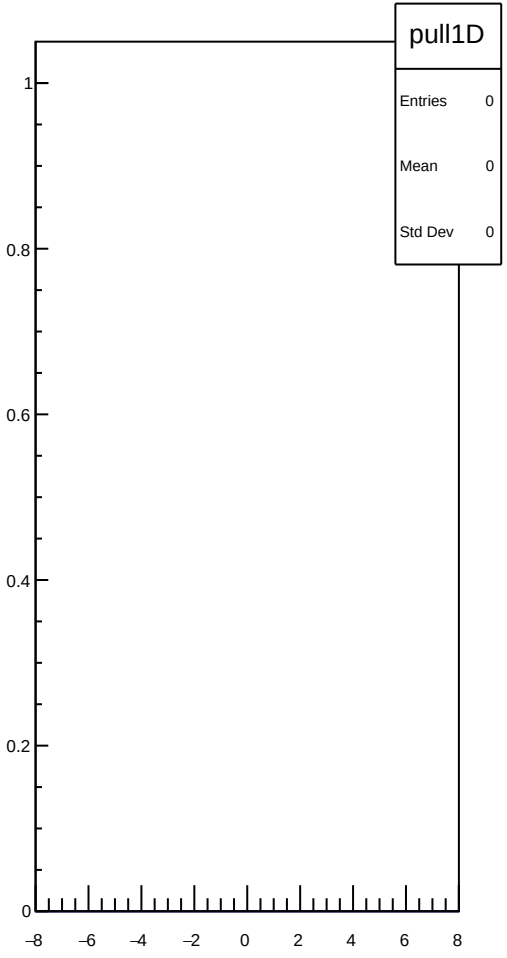
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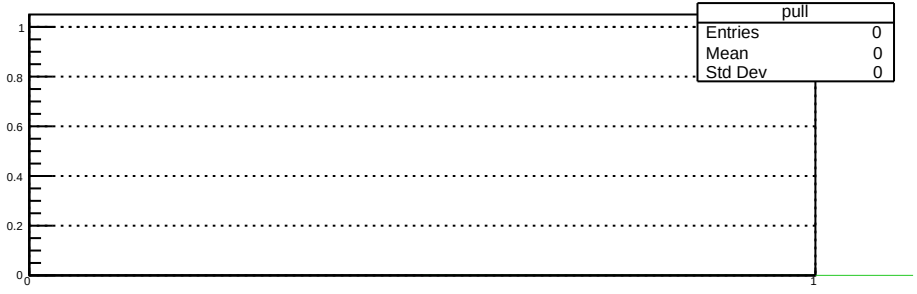
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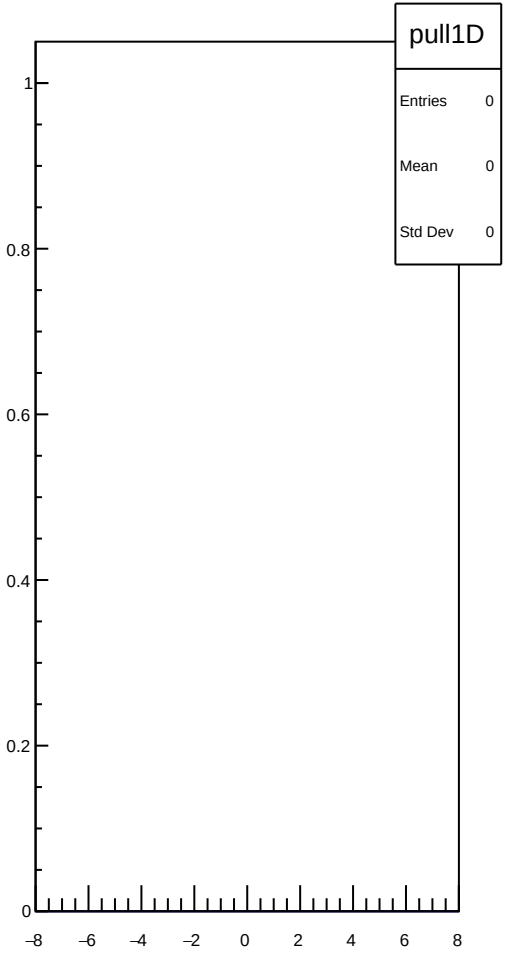
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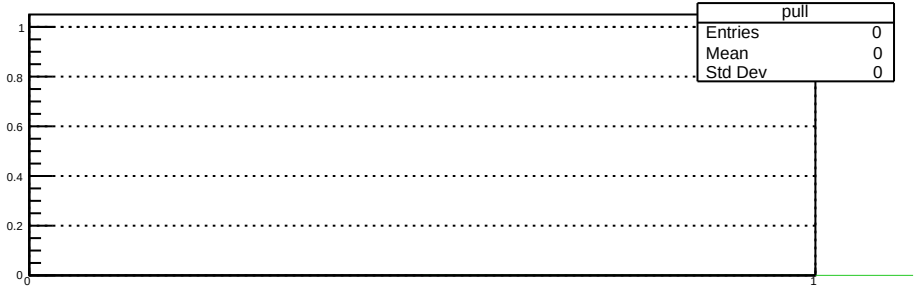
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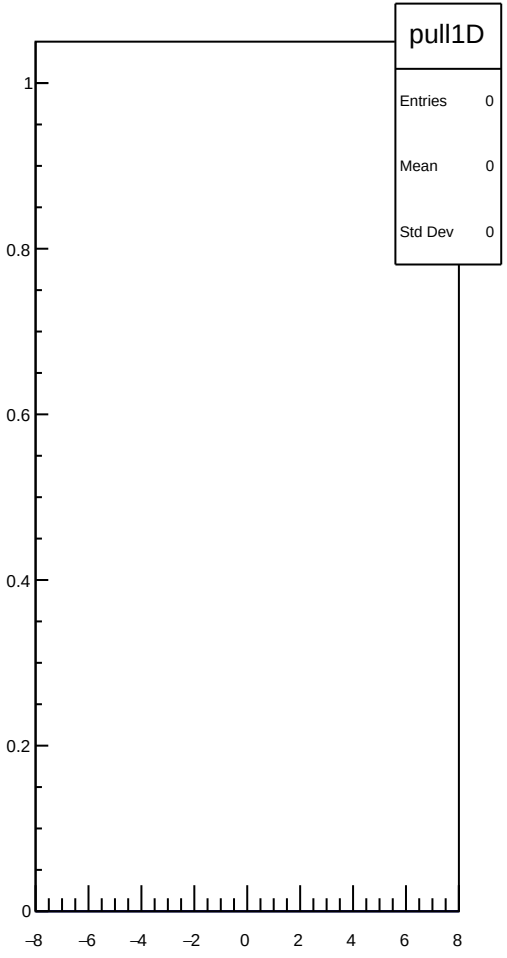
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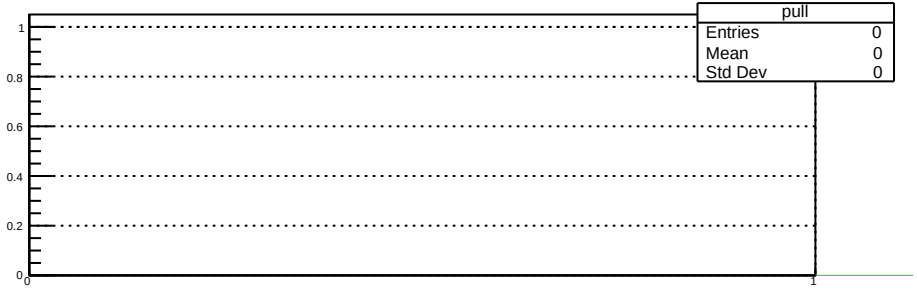
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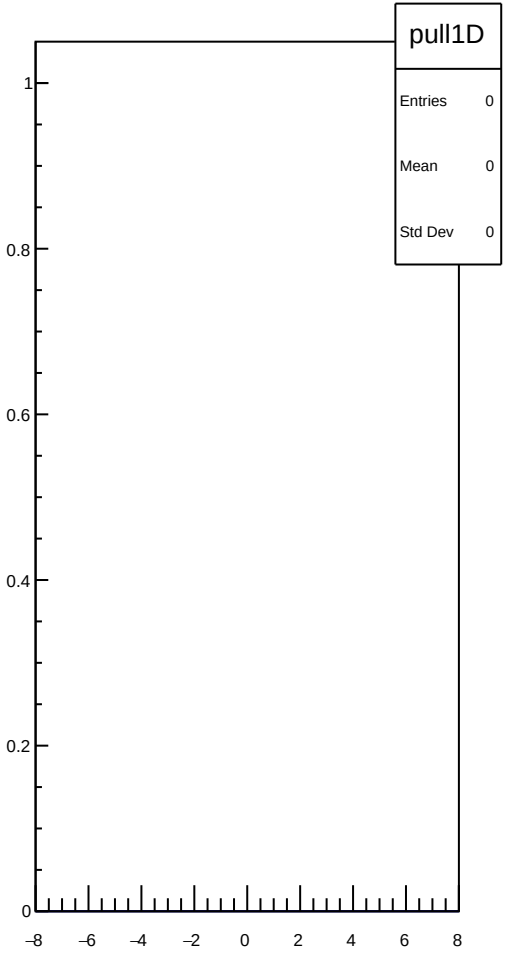
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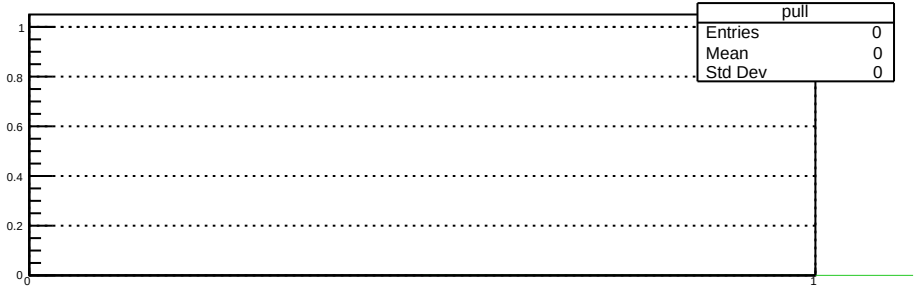
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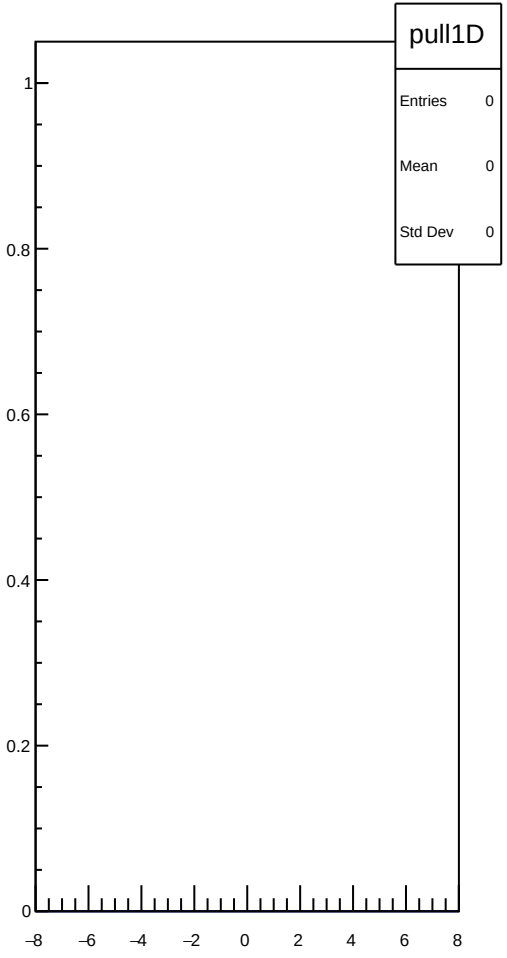
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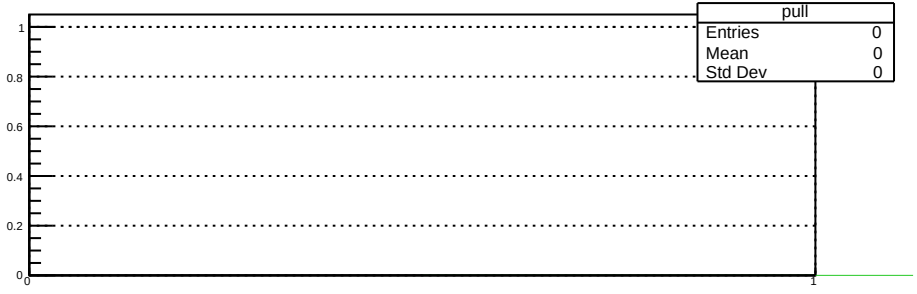
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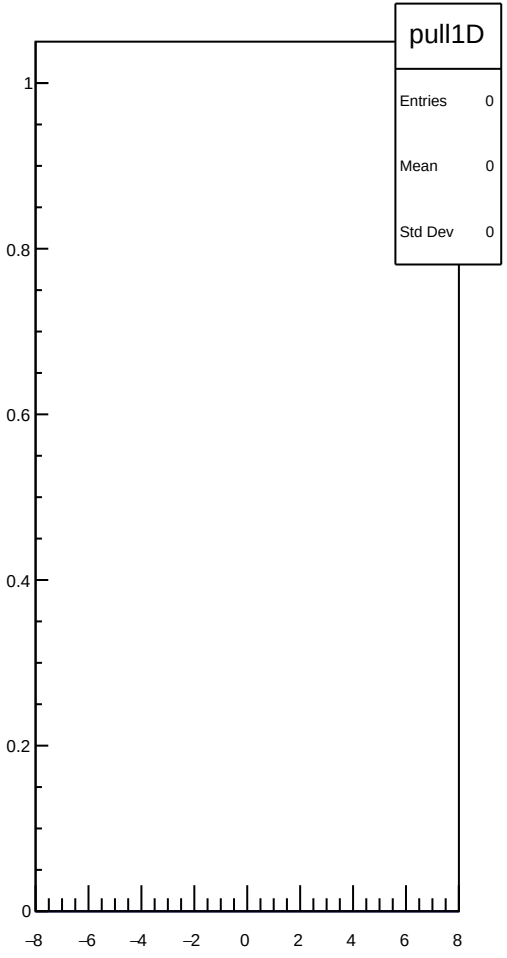
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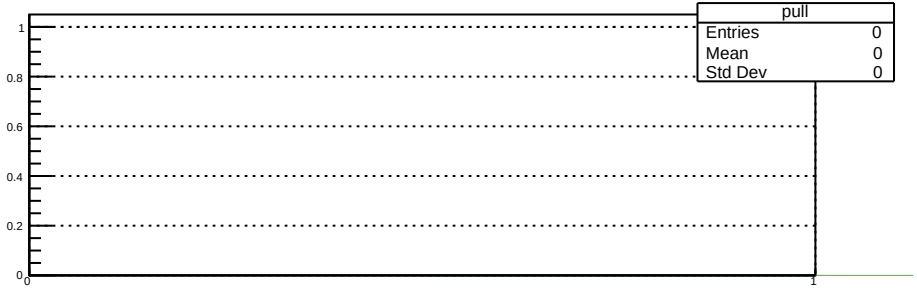
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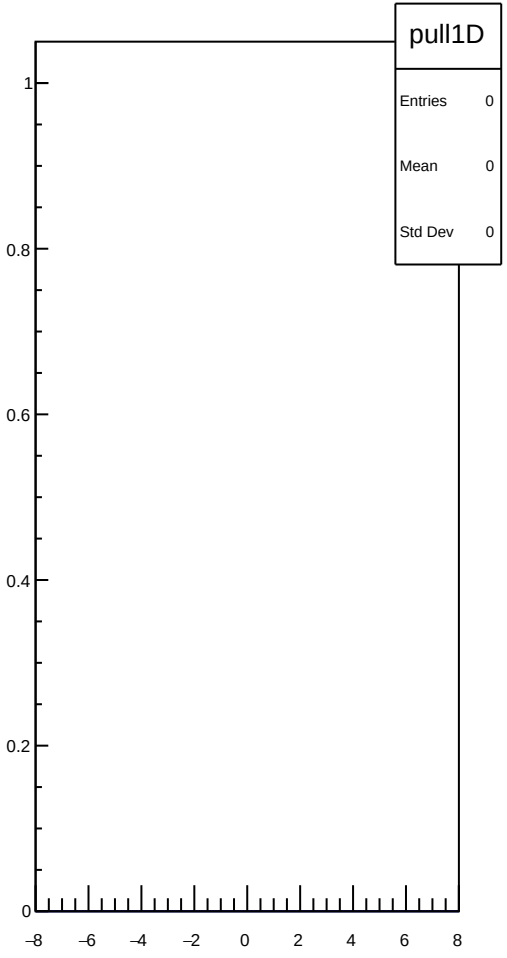
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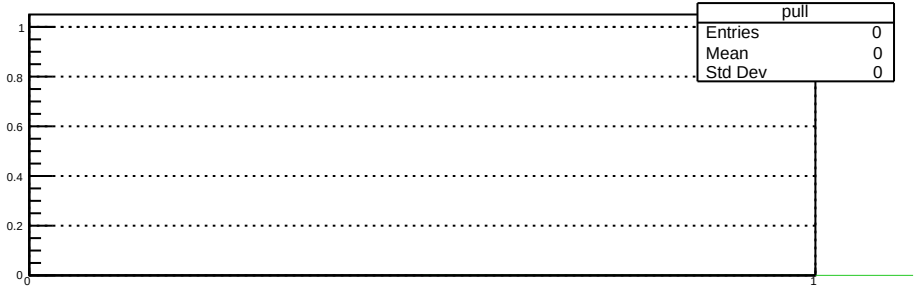
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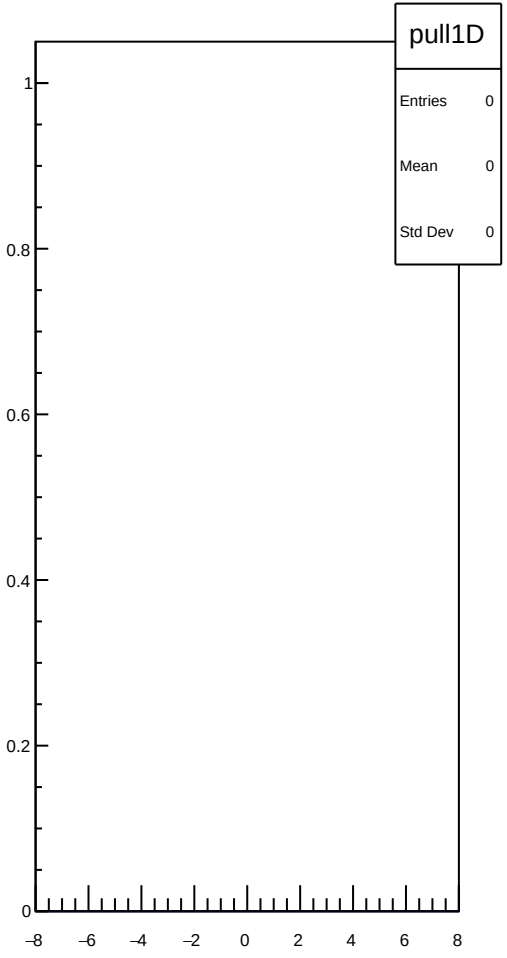
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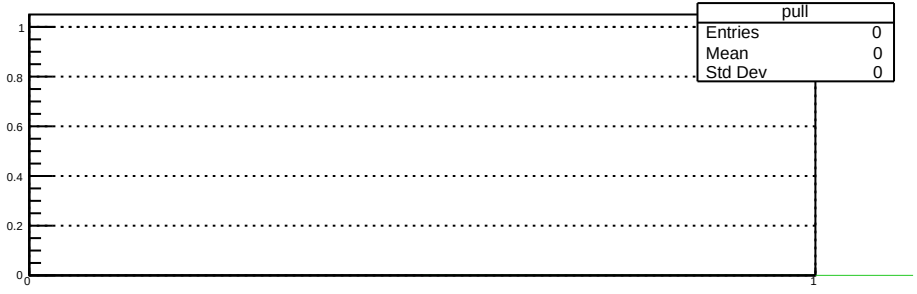
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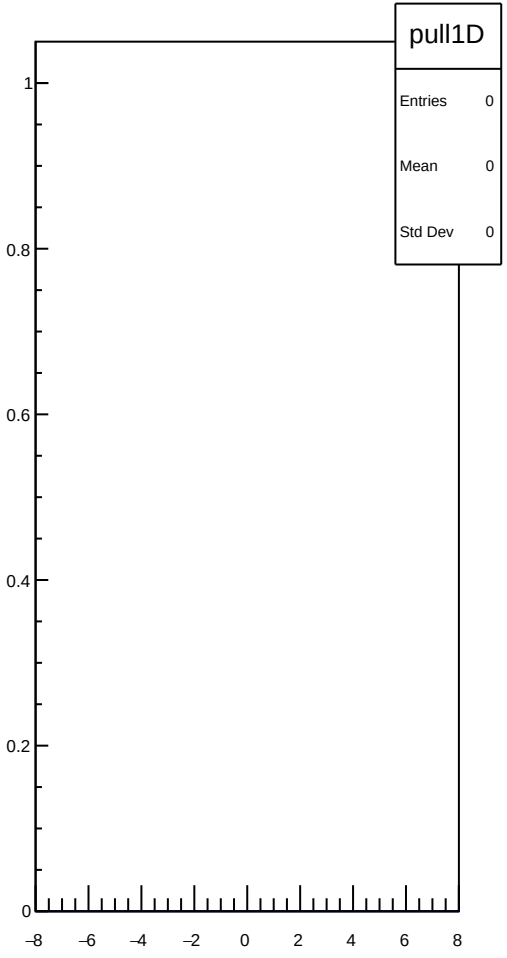
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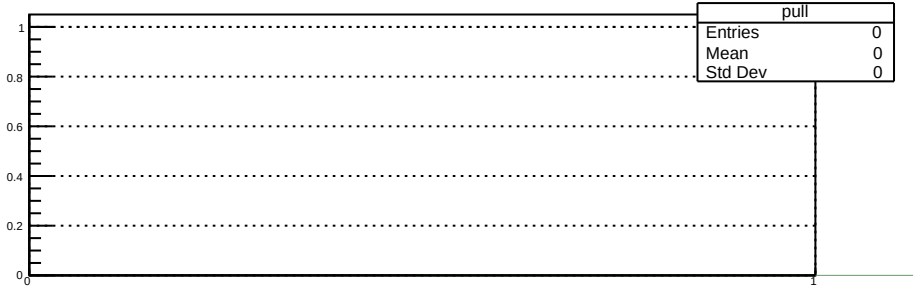
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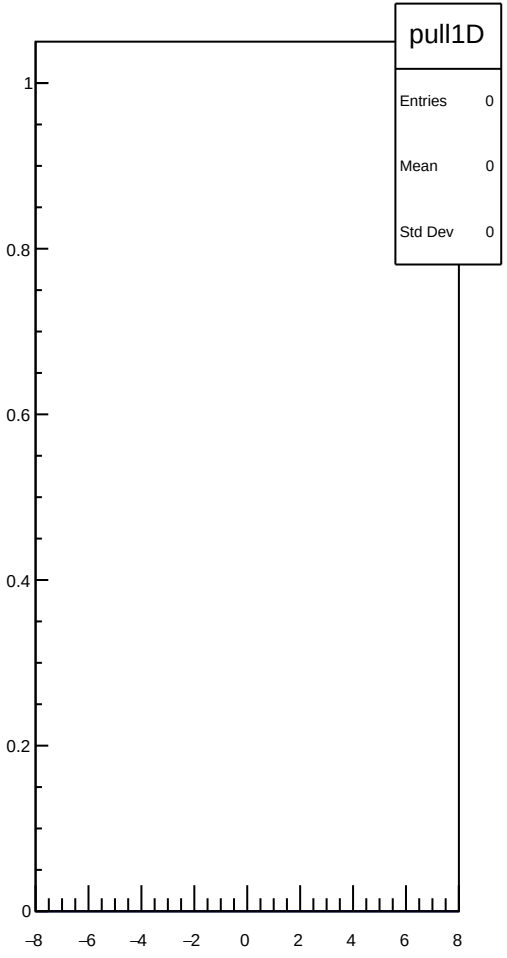
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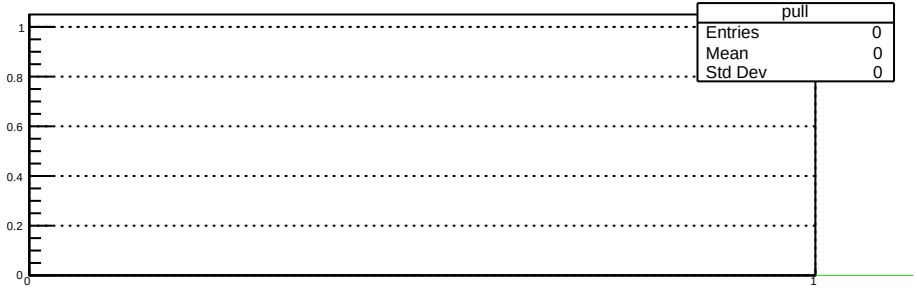
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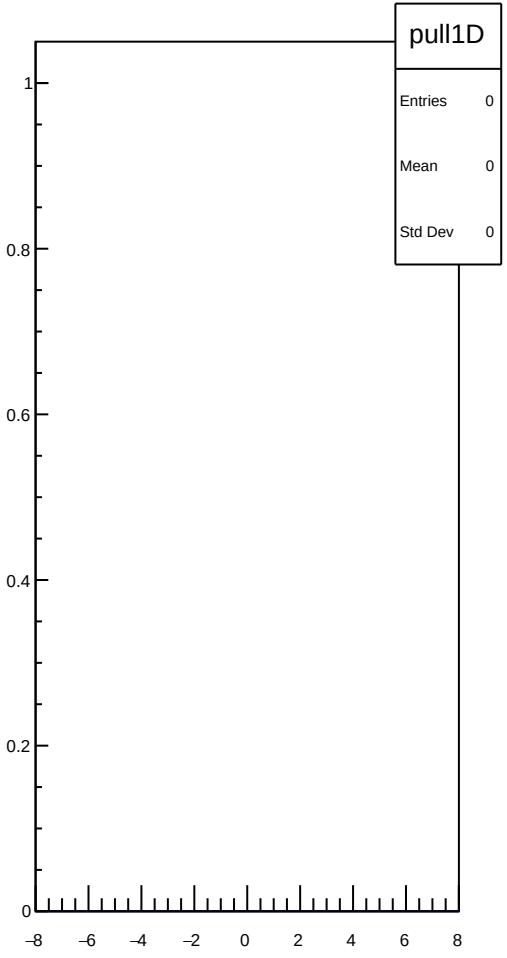
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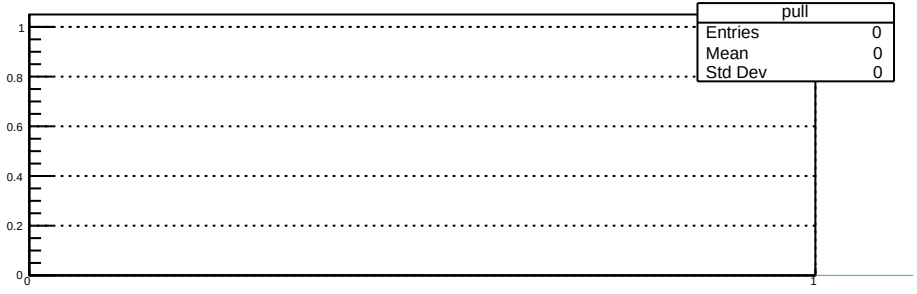
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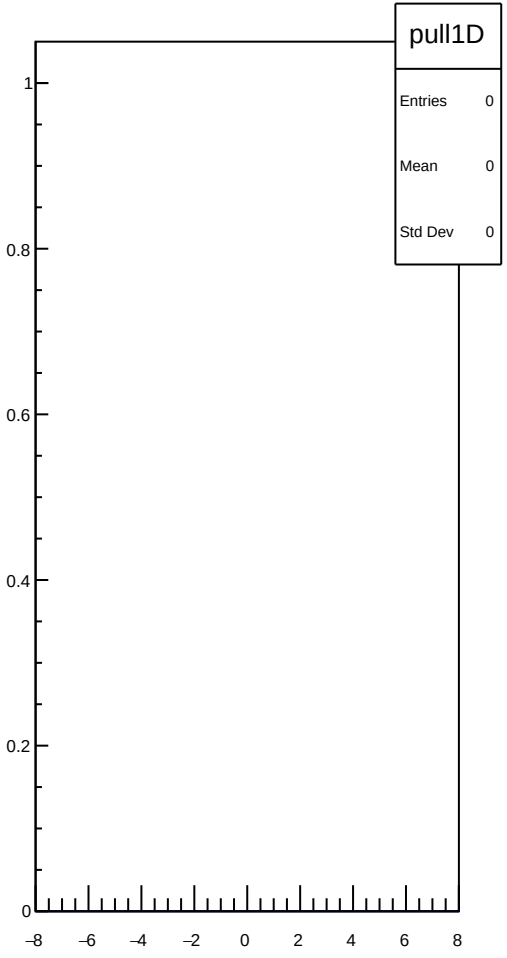
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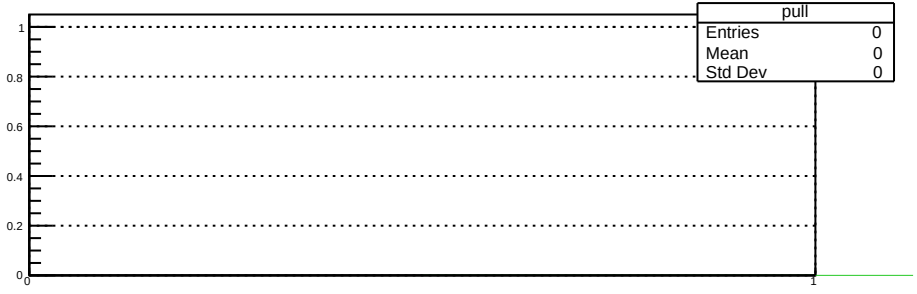
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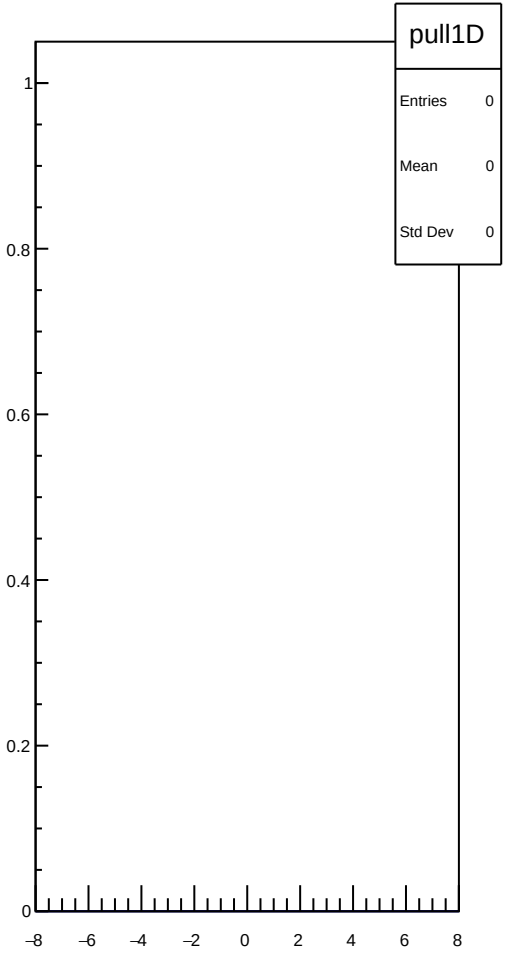
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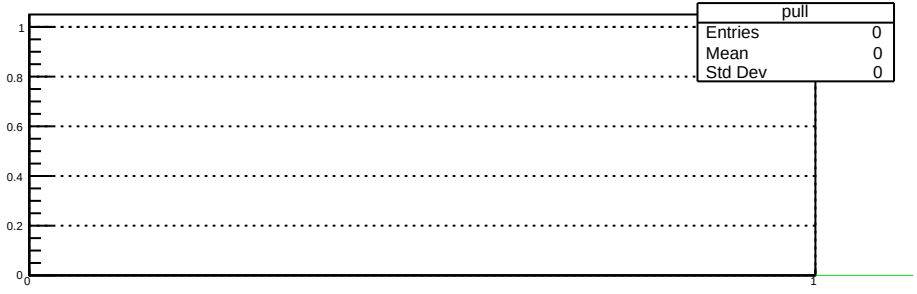
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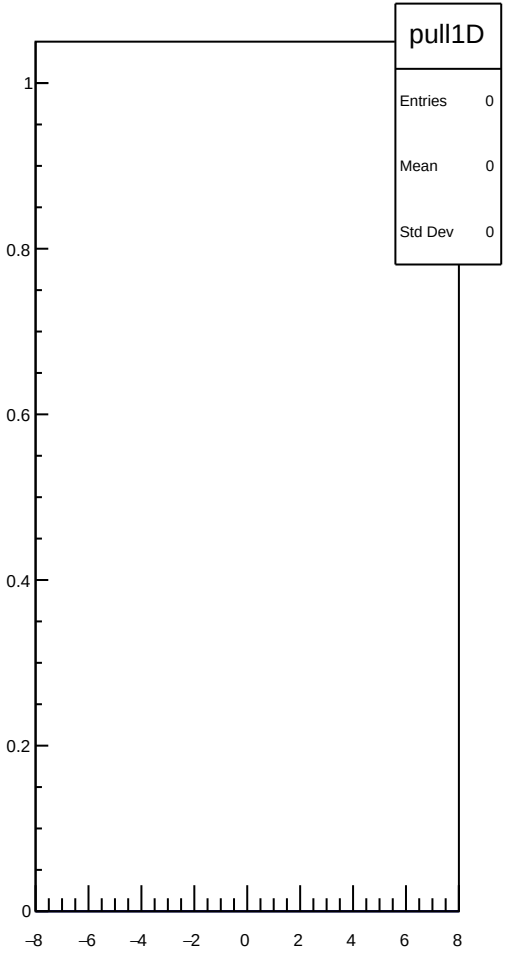
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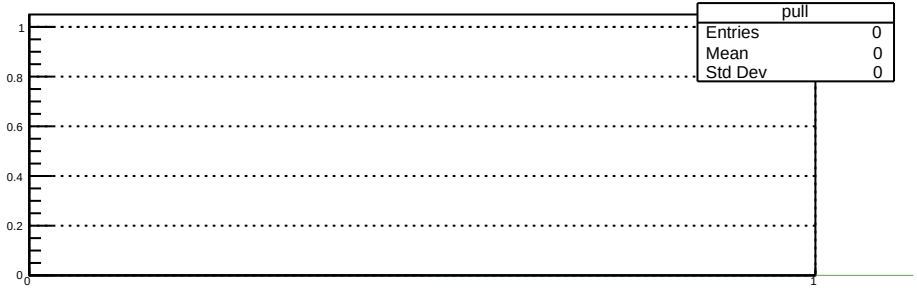
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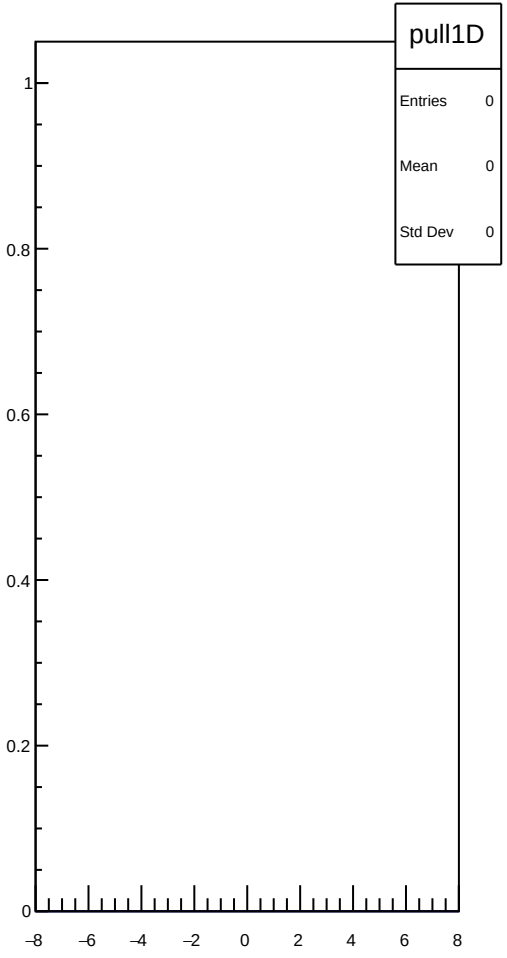
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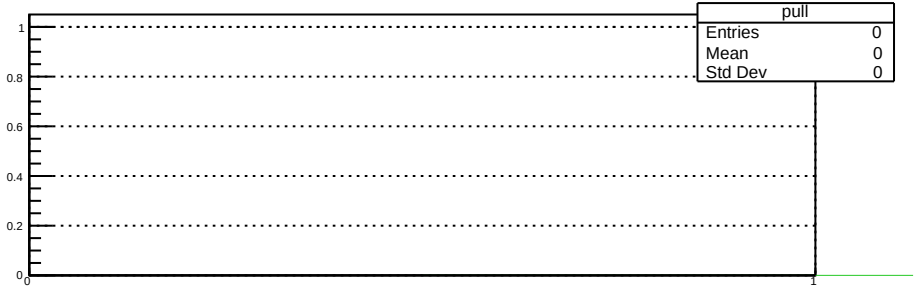
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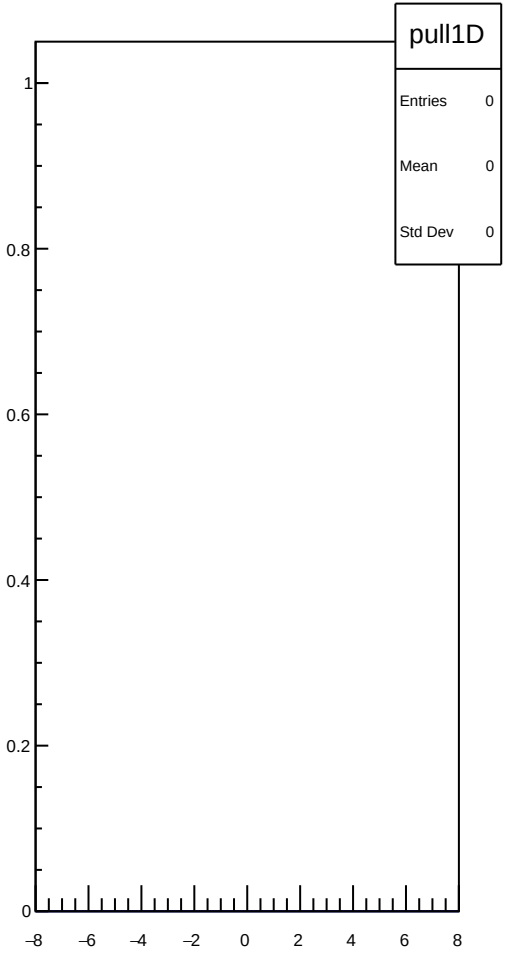
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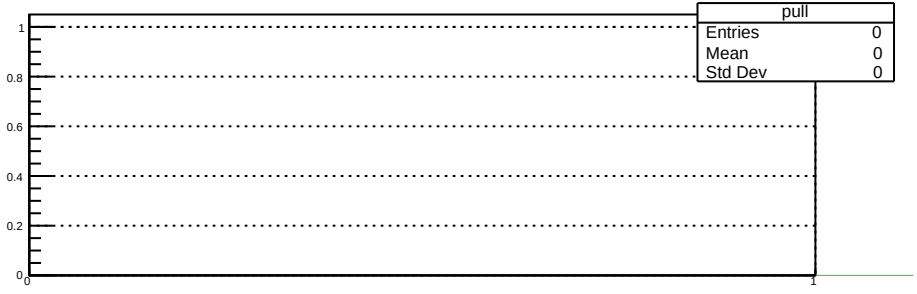
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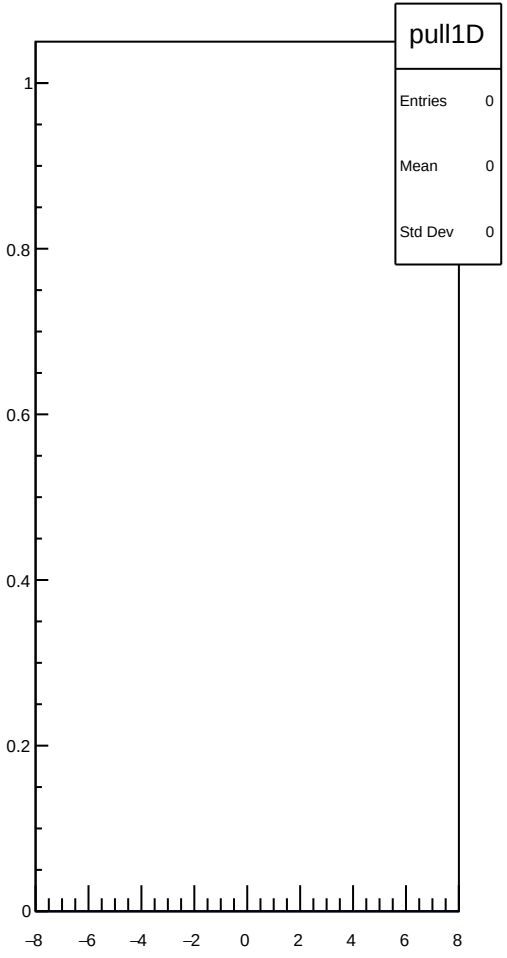
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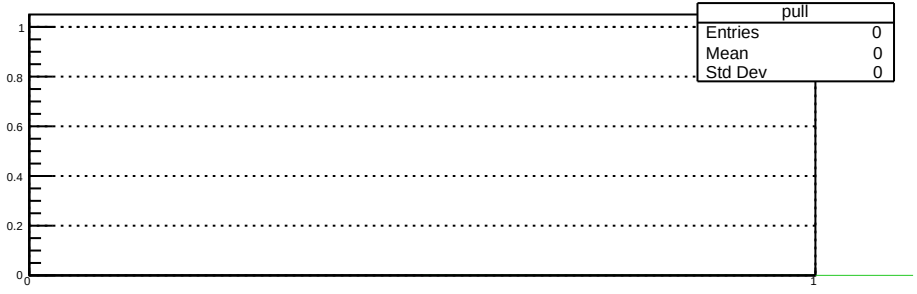
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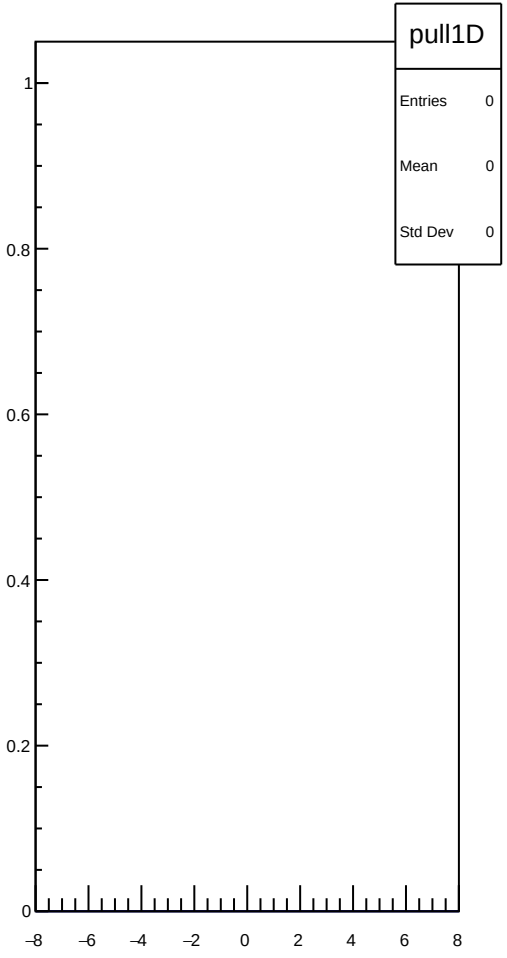
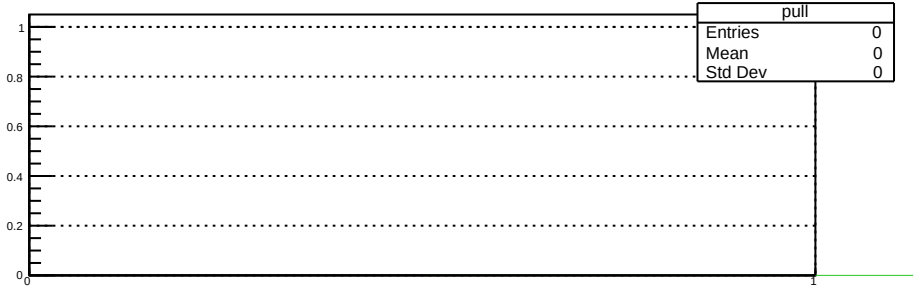
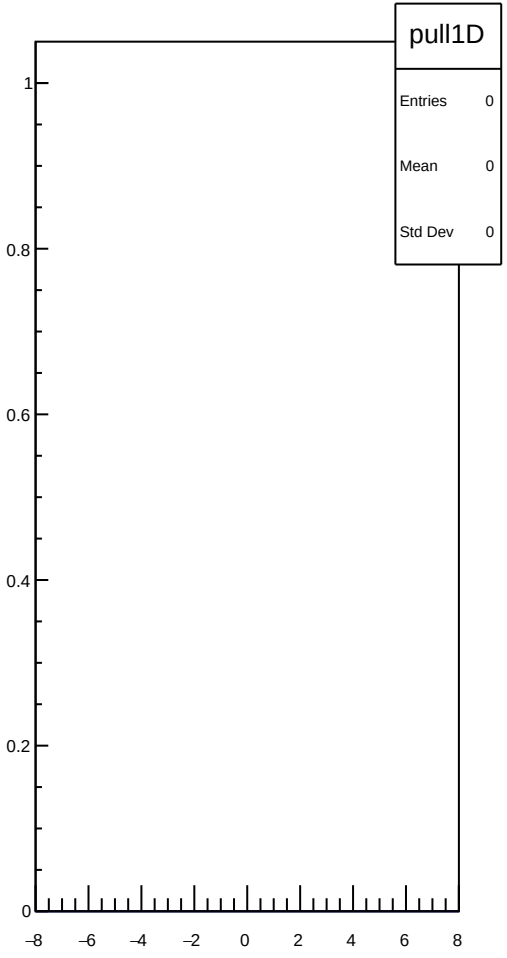
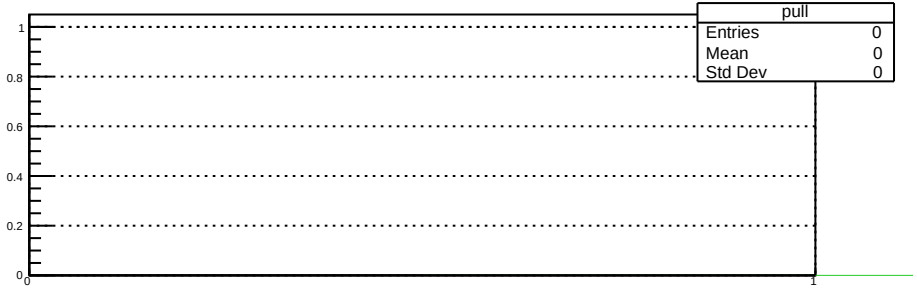
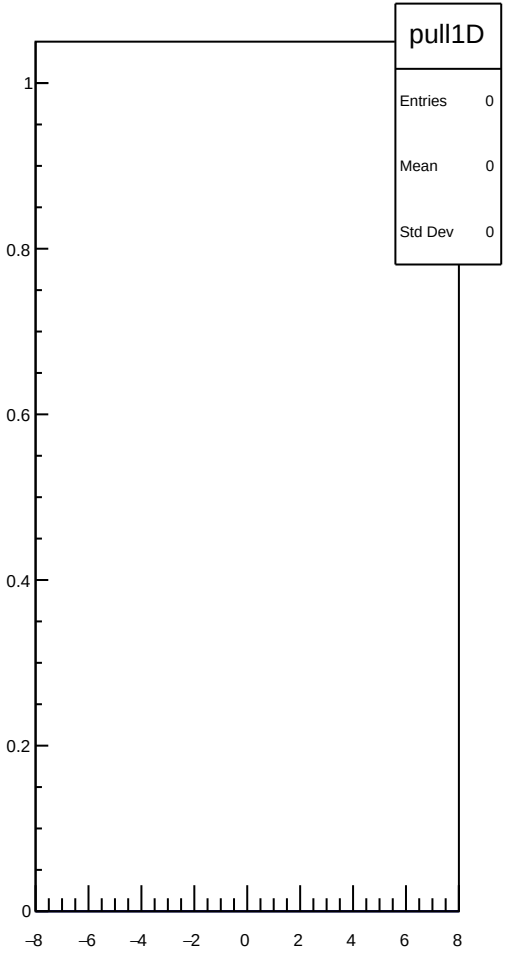
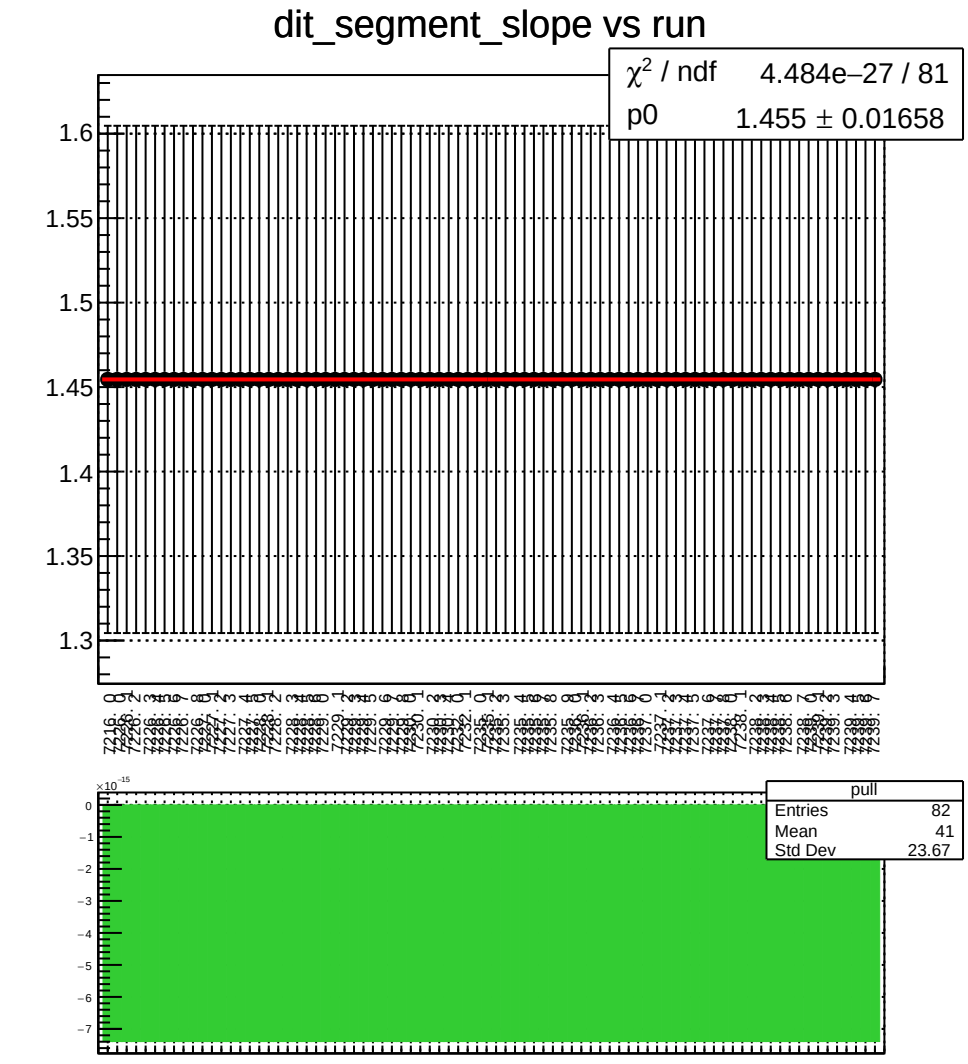

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

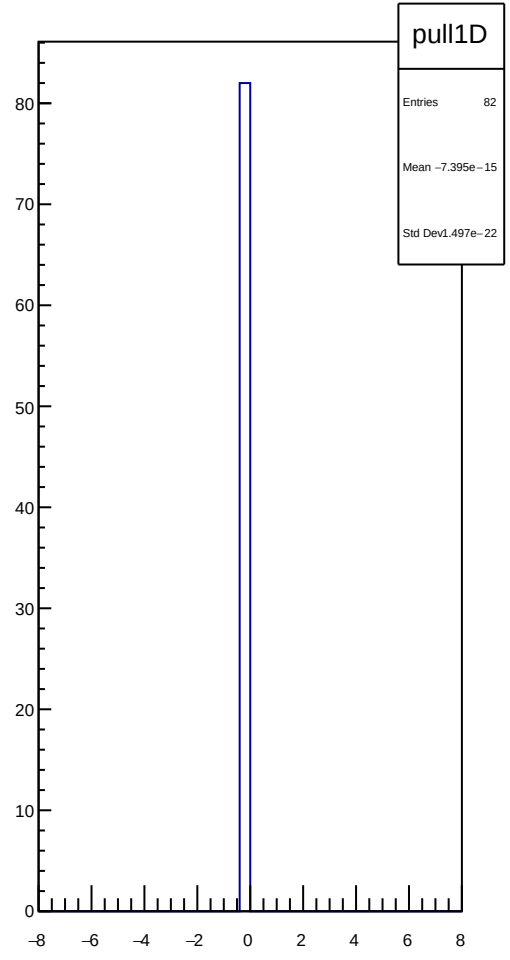

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

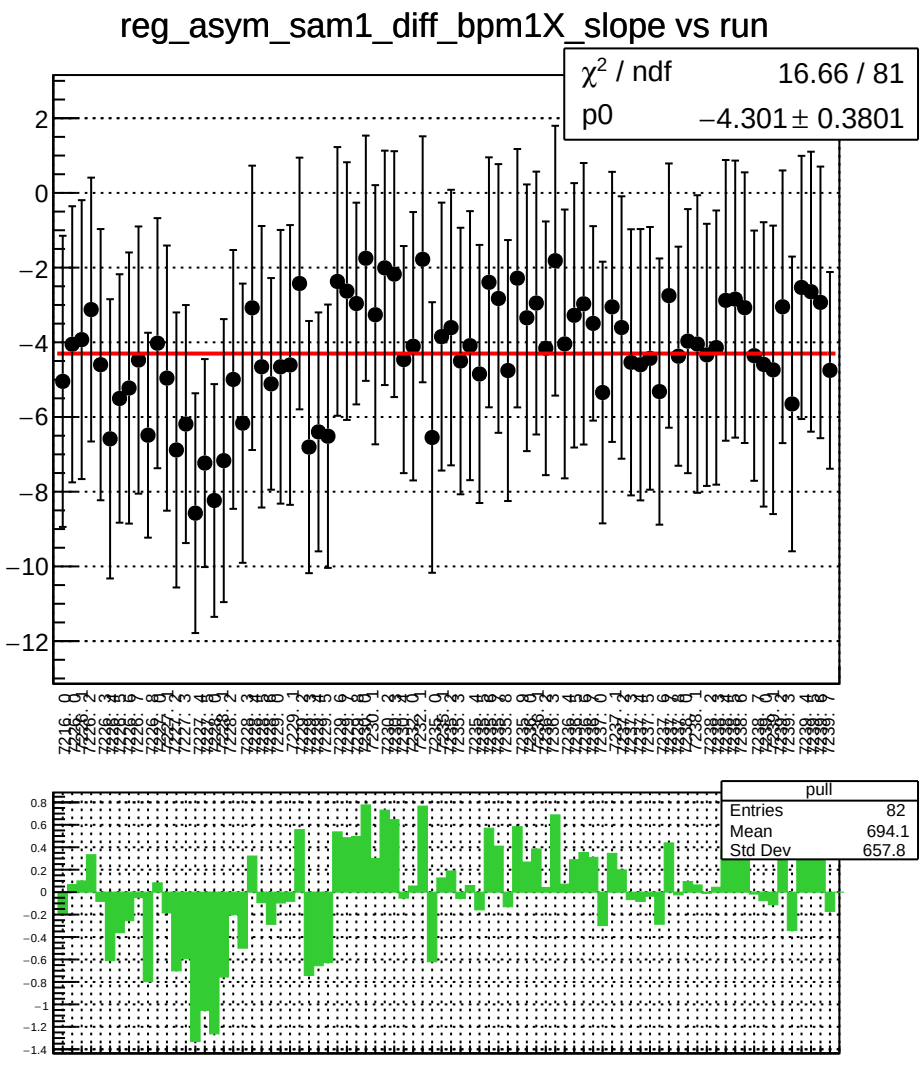

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

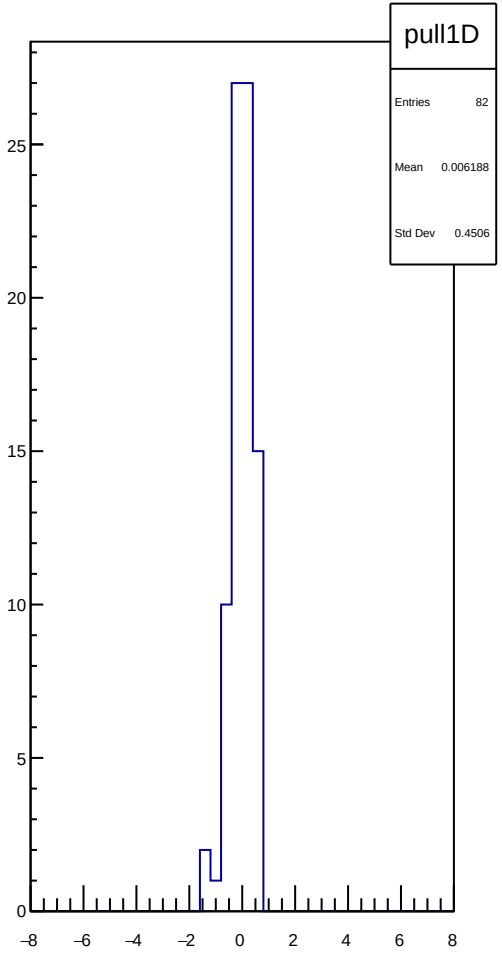

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

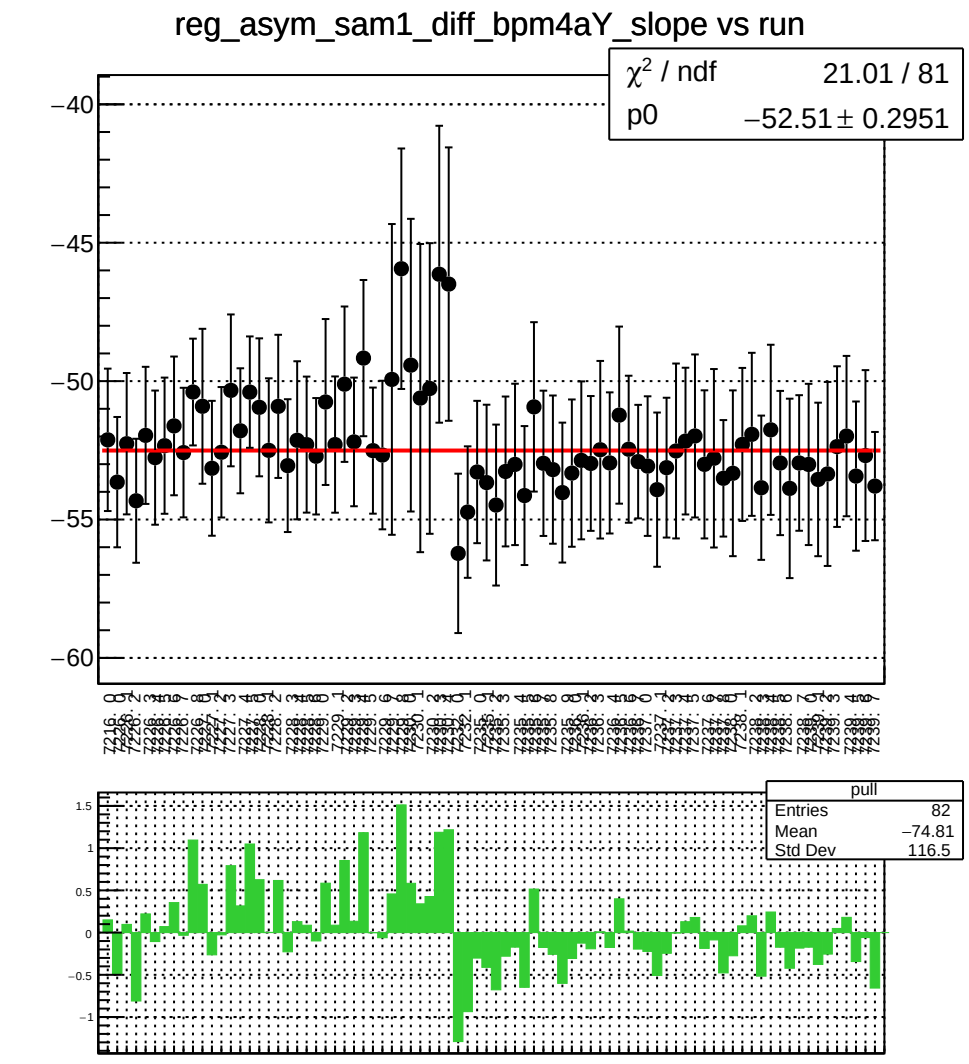

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

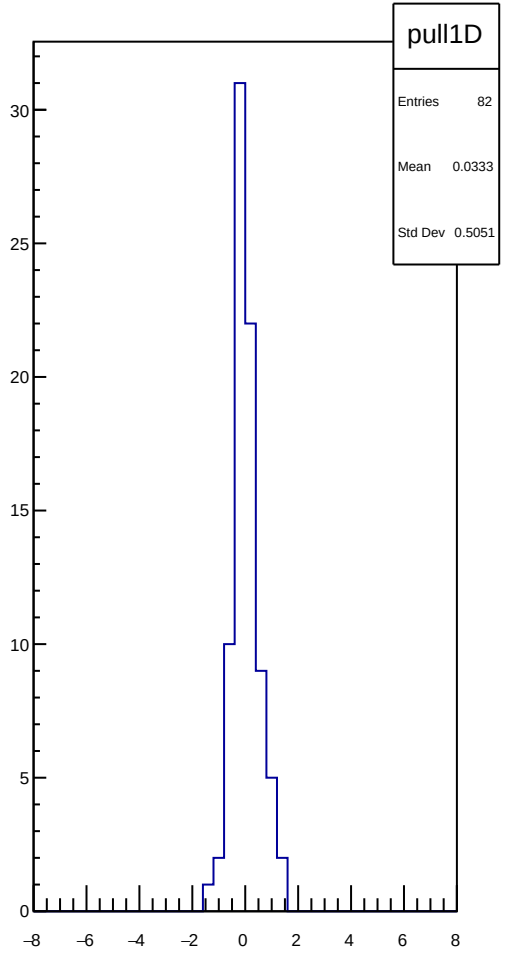

dit_segment_slope vs run
χ² / ndf 4.484e−27 / 81
p0 1.455 ± 0.01658
1.6
1.55
1.5
1.45
1.4
1.35
1.3
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

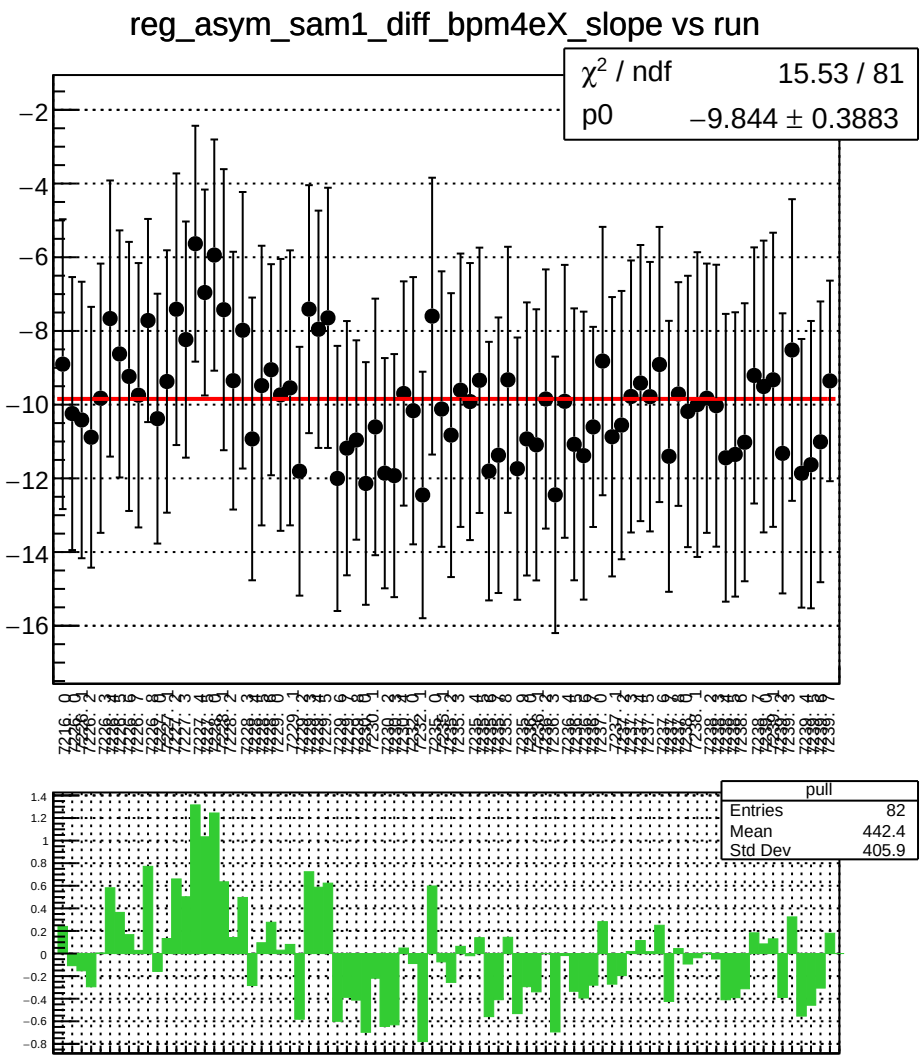

pull1D
Entries 82
Mean −7.395e−15
Std Dev1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

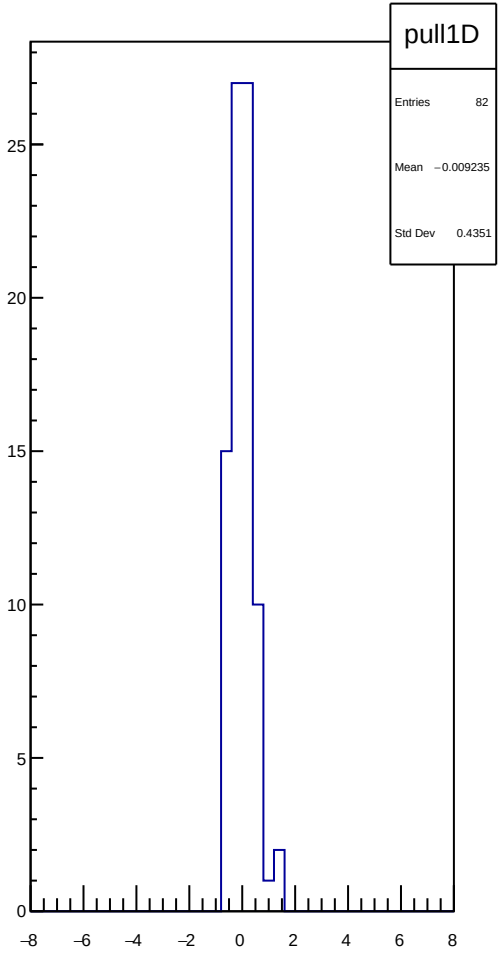

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 16.66 / 81
p0 −4.301 ± 0.3801
pull
Entries 82
Mean 694.1
Std Dev 657.8

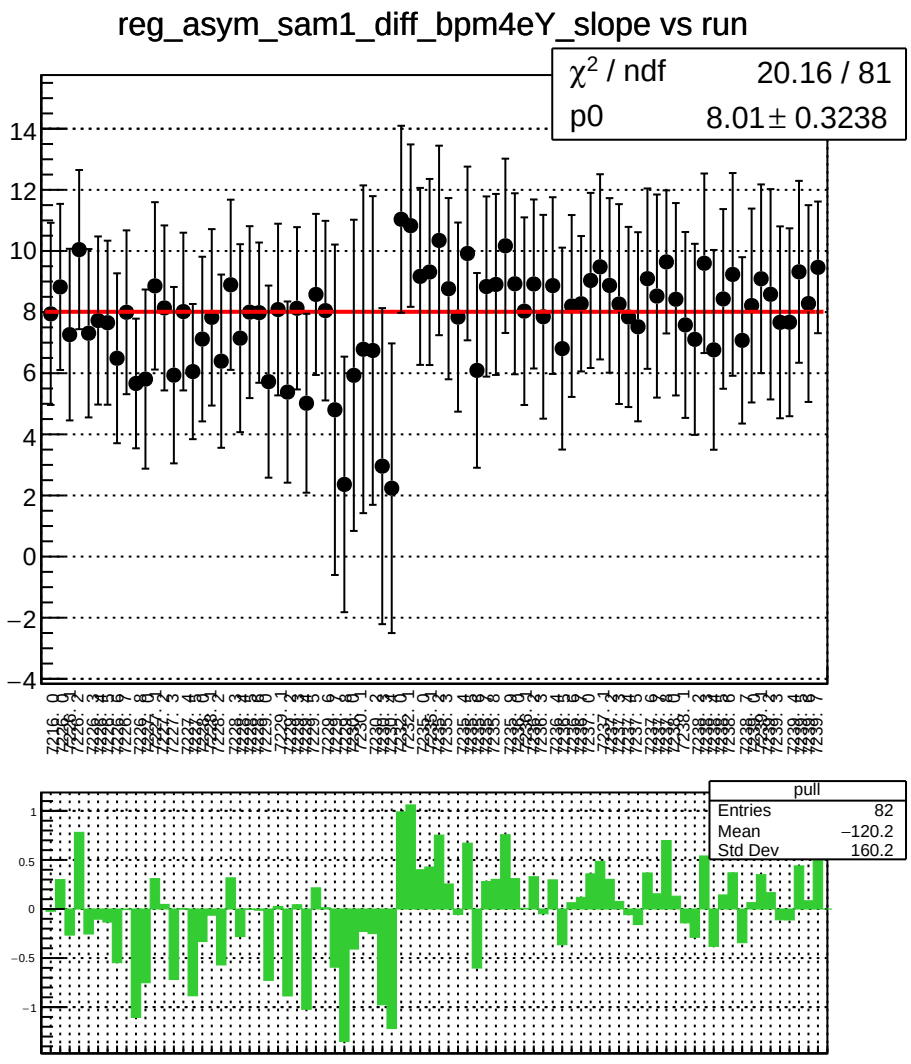

pull1D
Entries 82
Mean 0.006188
Std Dev 0.4506

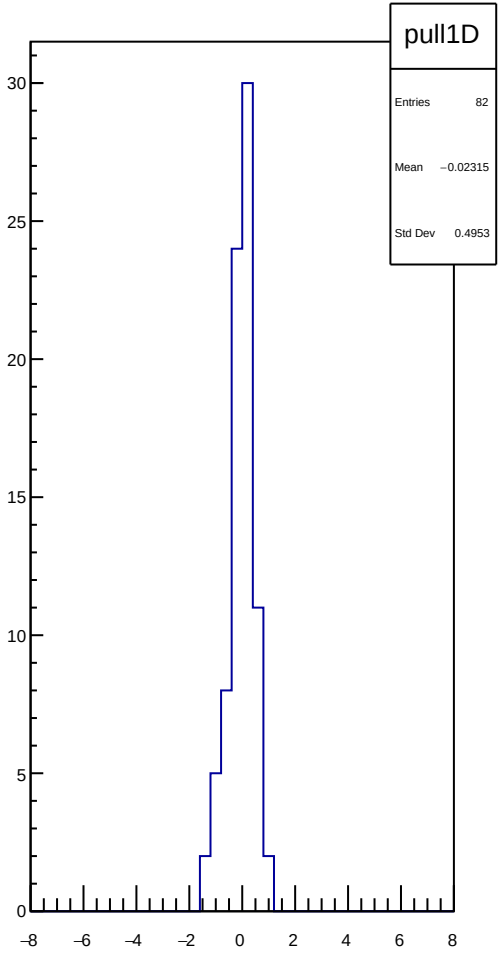

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 21.01 / 81
p0 −52.51 ± 0.2951
−40
−45
−50
−55
−60
pull
Entries 82
Mean −74.81
Std Dev 116.5
1.5
1
0.5
0
−0.5
−1

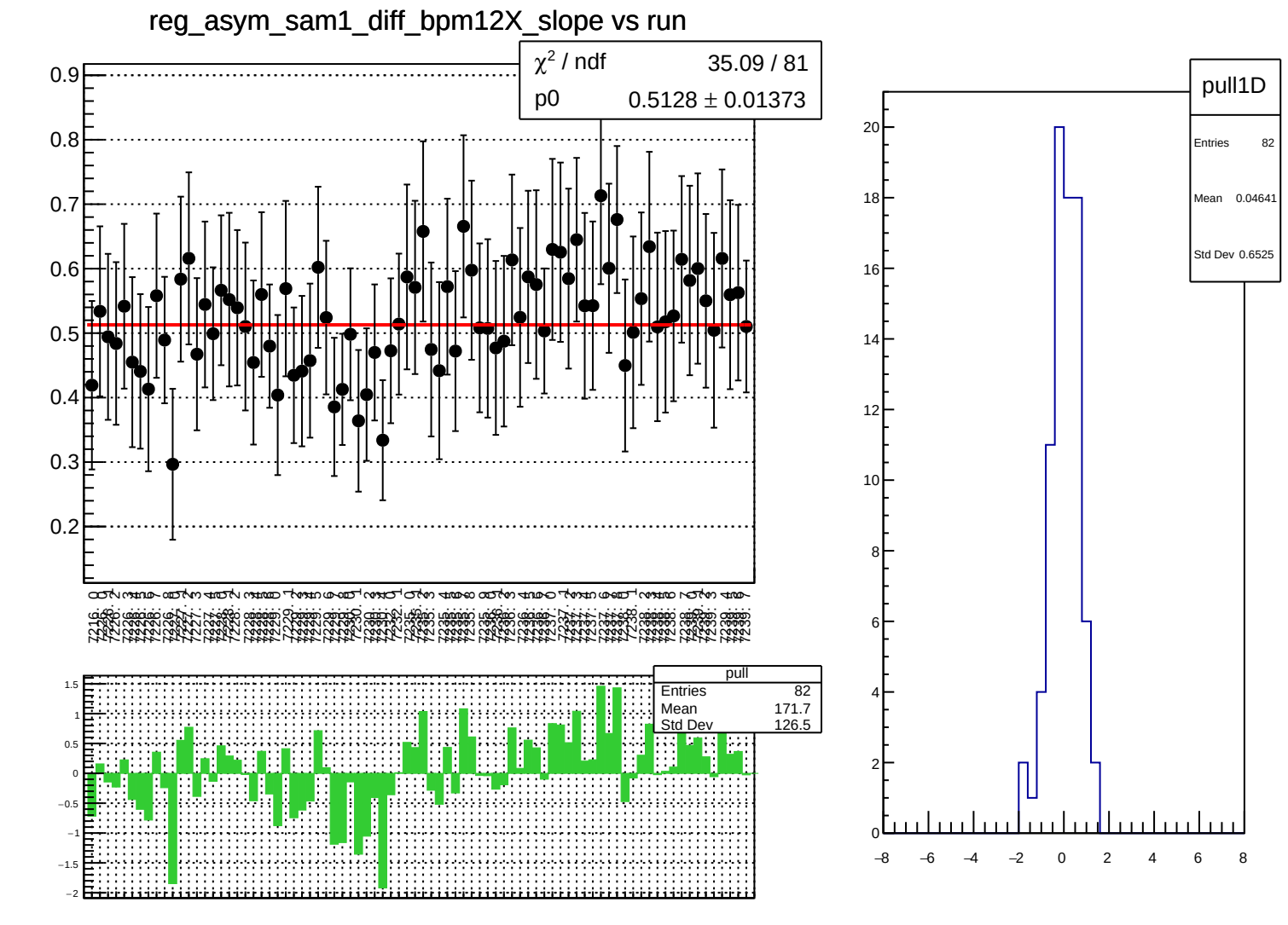

pull1D
Entries 82
Mean 0.0333
Std Dev 0.5051
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

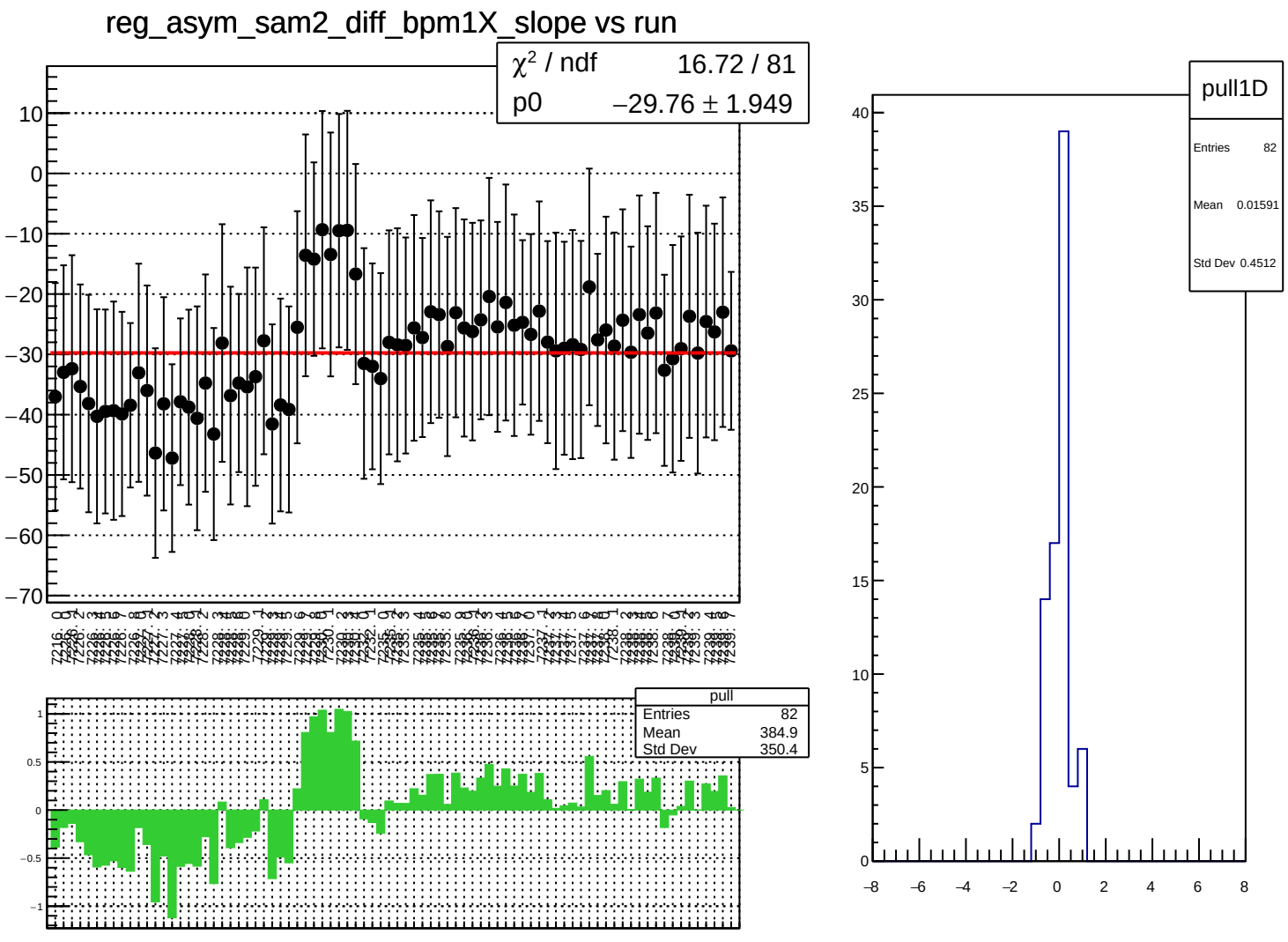

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 15.53 / 81
p0 −9.844 ± 0.3883
pull
Entries 82
Mean 442.4
Std Dev 405.9

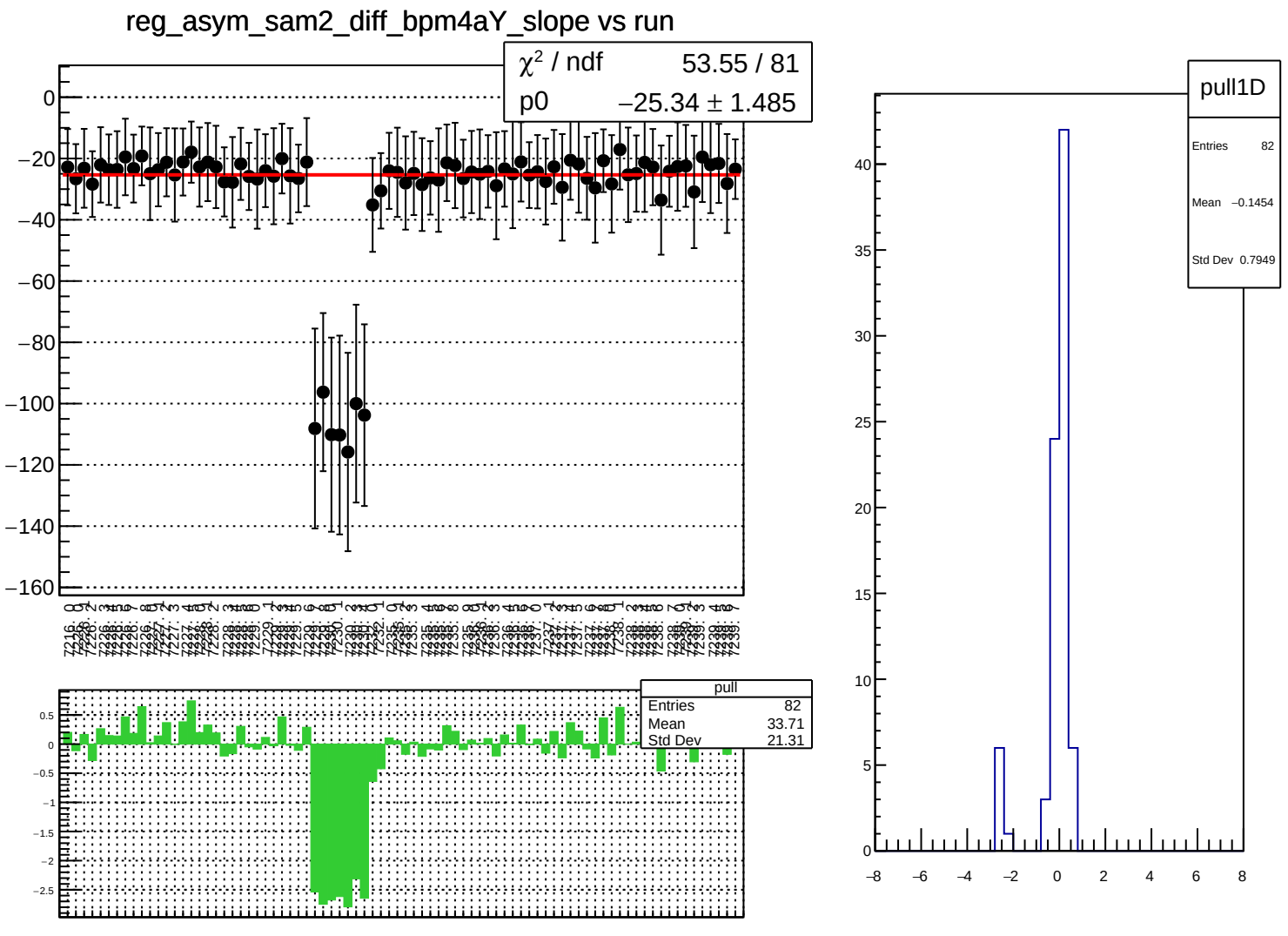

pull1D
Entries 82
Mean −0.009235
Std Dev 0.4351

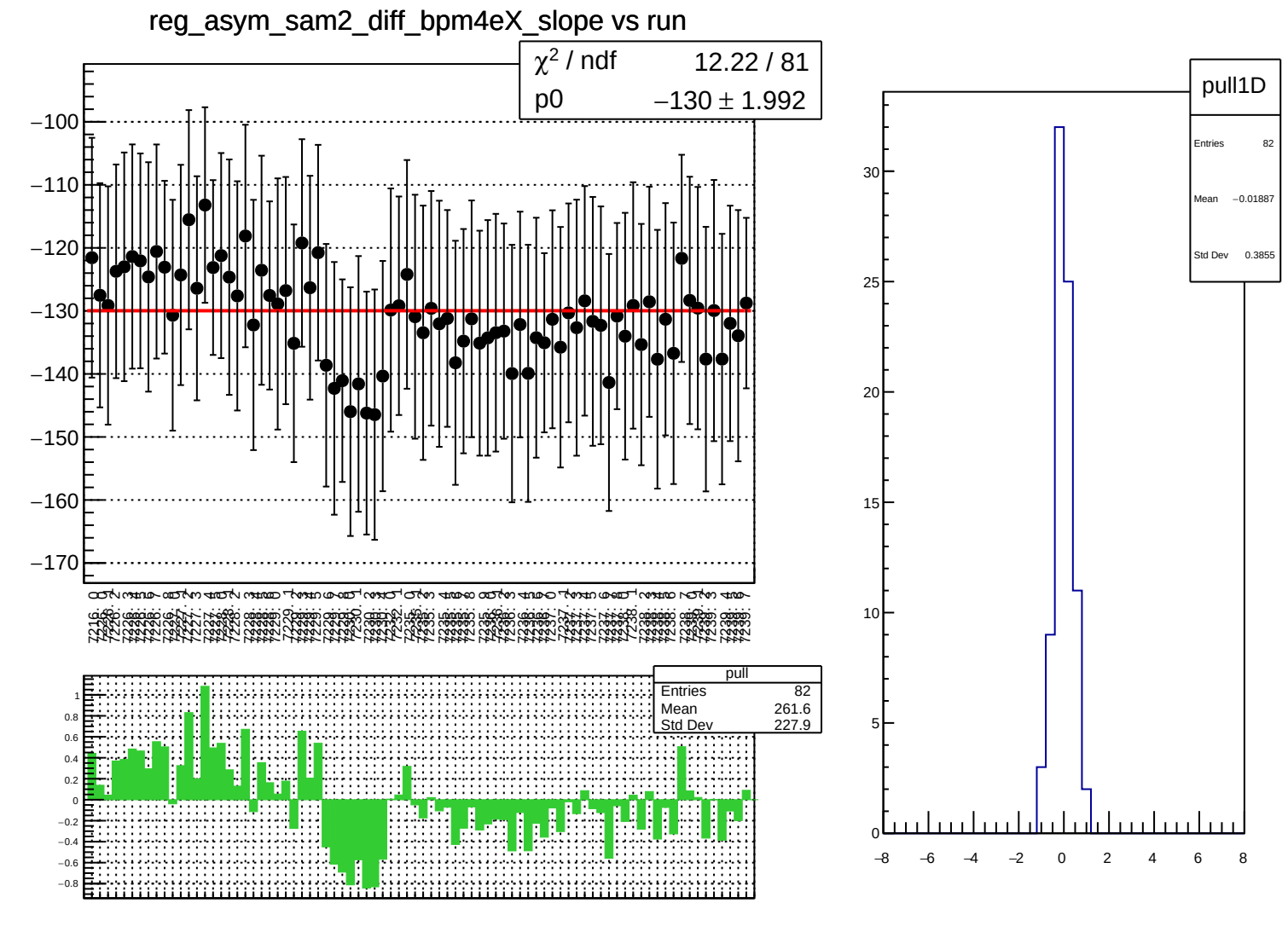

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 20.16 / 81
p0 8.01 ± 0.3238
pull
Entries 82
Mean −120.2
Std Dev 160.2

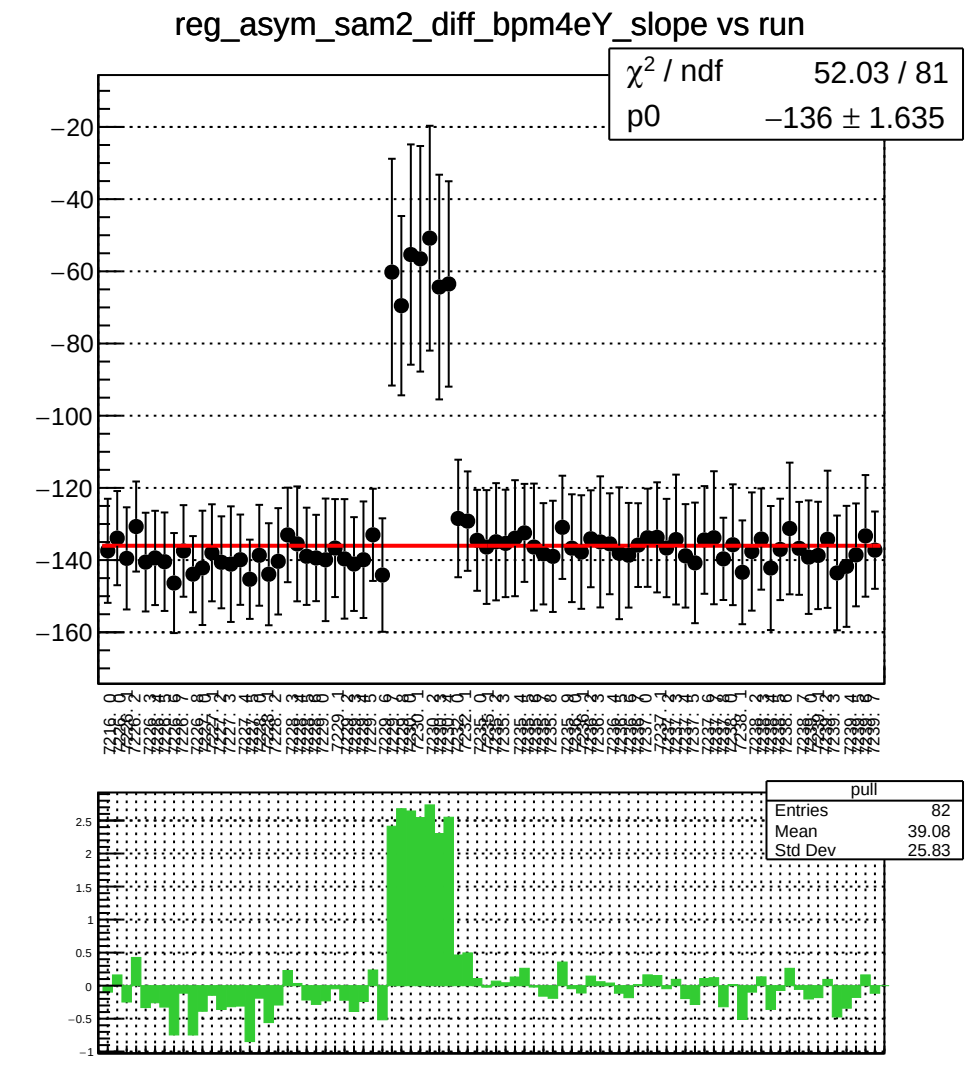

pull1D
Entries 82
Mean −0.02315
Std Dev 0.4953

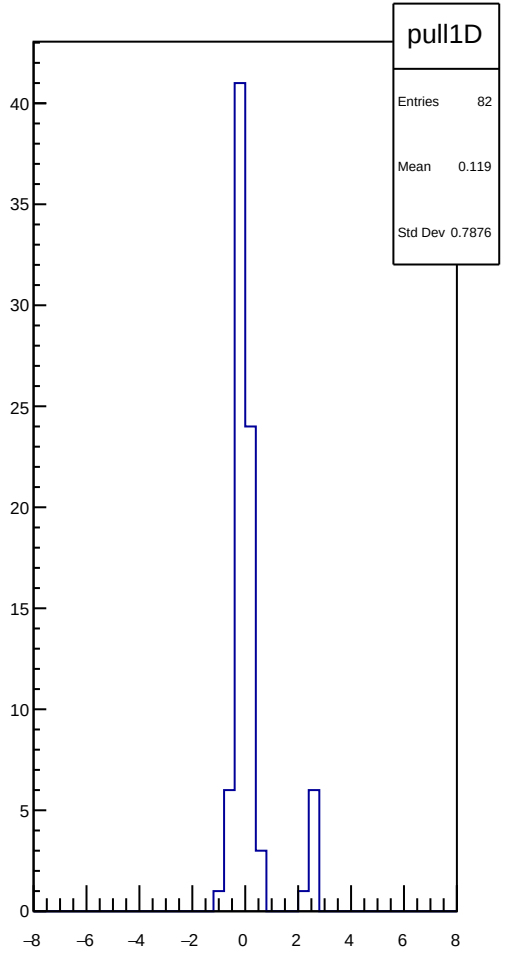

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 35.09 / 81
p0 0.5128 ± 0.01373
pull
Entries 82
Mean 171.7
Std Dev 126.5
pull1D
Entries 82
Mean 0.04641
Std Dev 0.6525

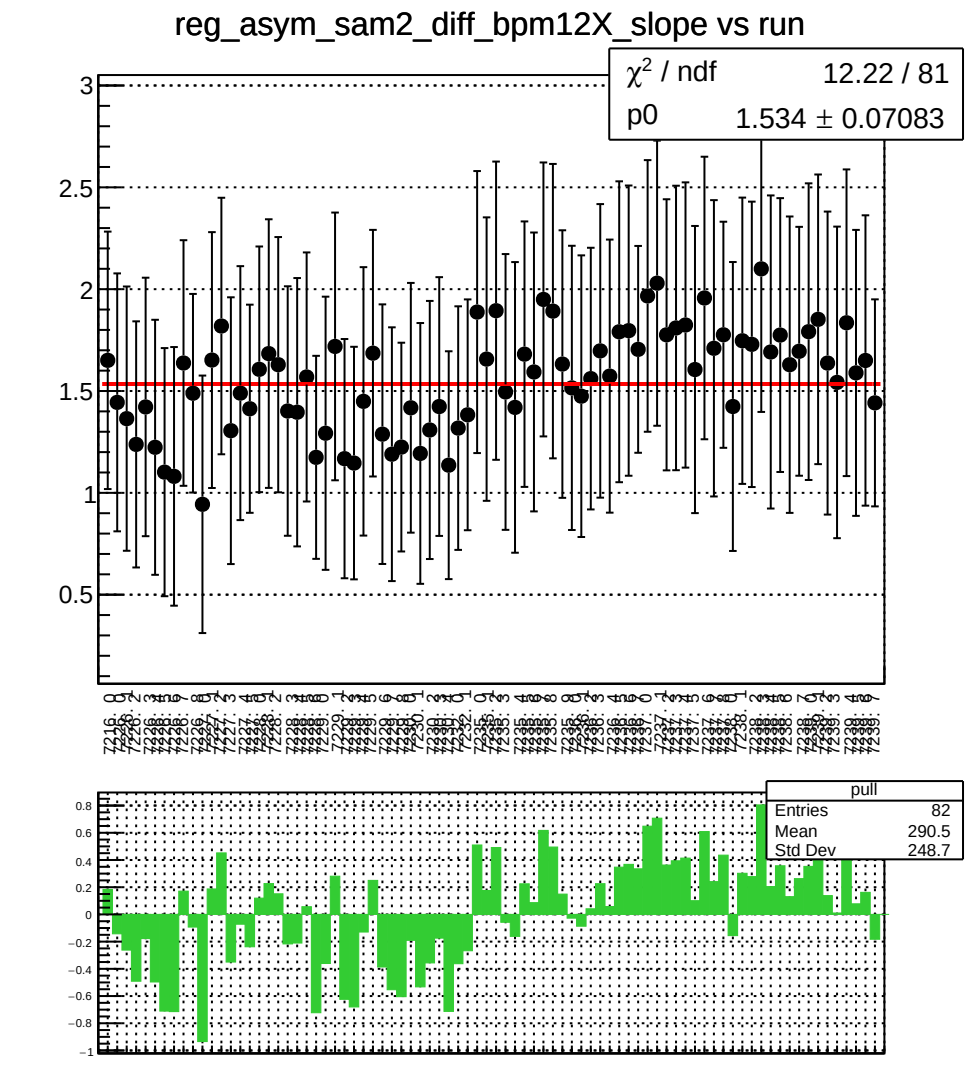

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 16.72 / 81
p0 −29.76 ± 1.949
pull
Entries 82
Mean 384.9
Std Dev 350.4
pull1D
Entries 82
Mean 0.01591
Std Dev 0.4512

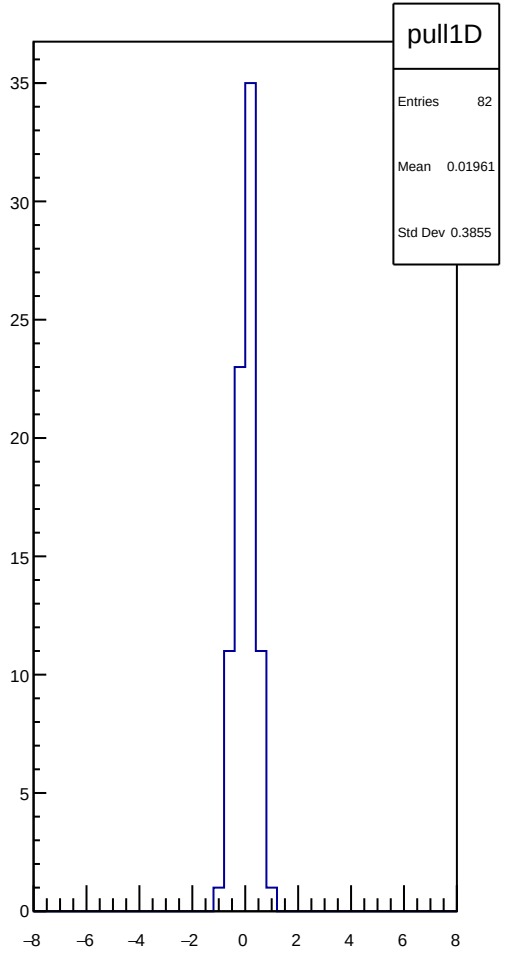

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 53.55 / 81
p0 −25.34 ± 1.485
pull
Entries 82
Mean 33.71
Std Dev 21.31
pull1D
Entries 82
Mean −0.1454
Std Dev 0.7949

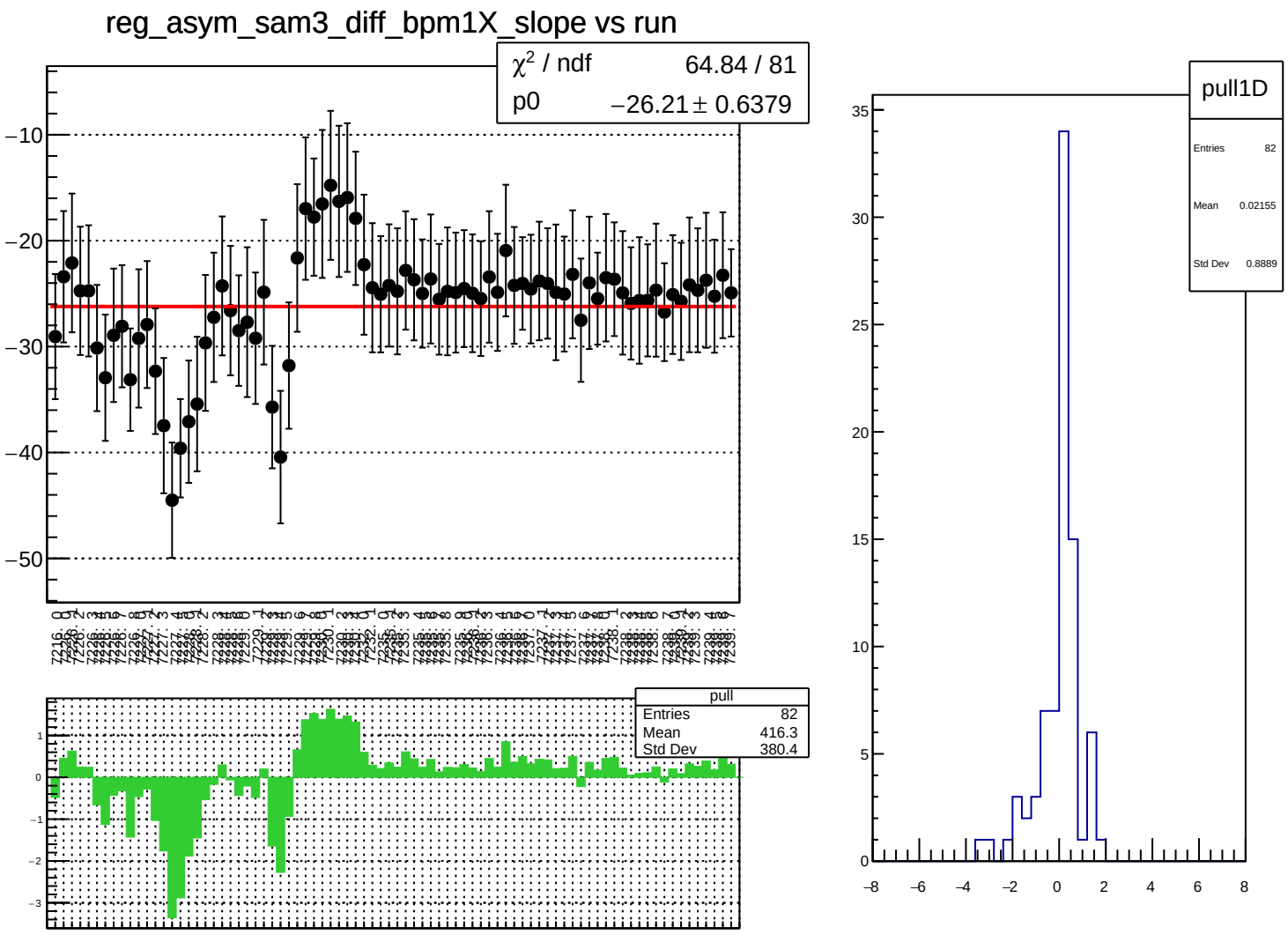

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 12.22 / 81
p0 −130 ± 1.992
pull
Entries 82
Mean 261.6
Std Dev 227.9
pull1D
Entries 82
Mean −0.01887
Std Dev 0.3855

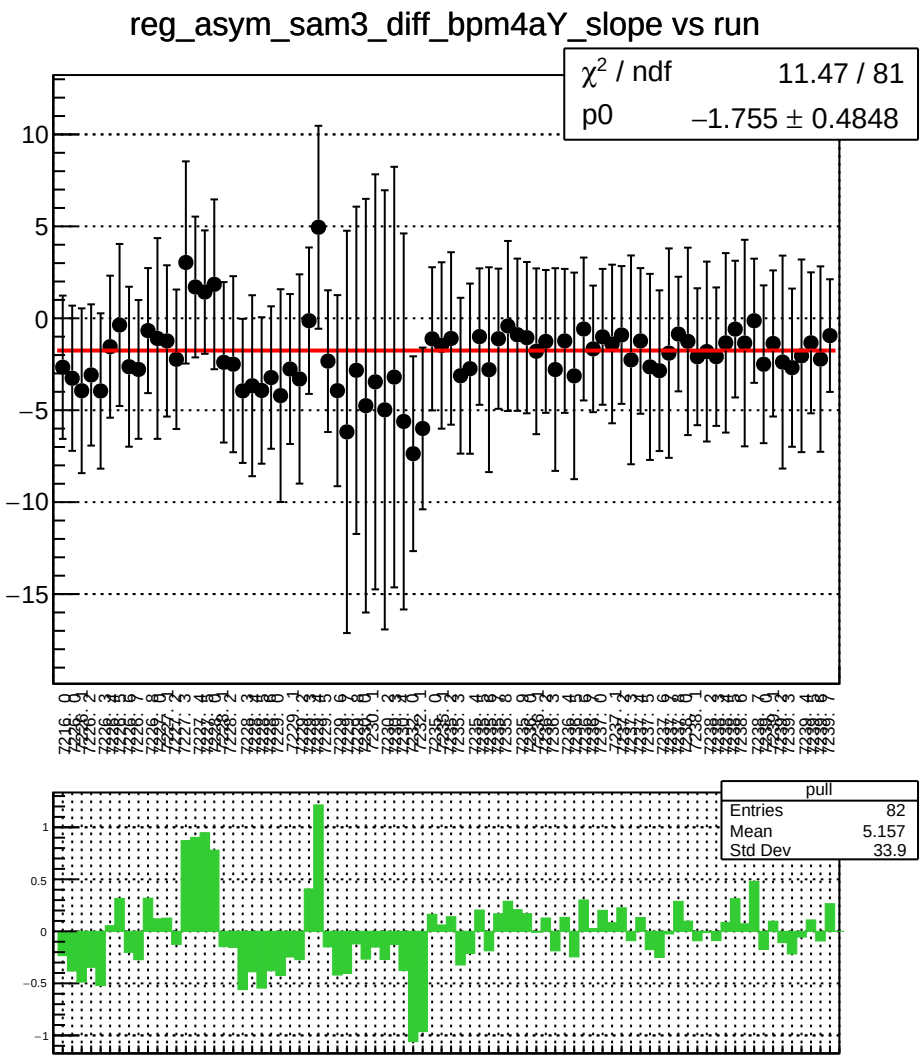

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 52.03 / 81
p0 −136 ± 1.635
pull
Entries 82
Mean 39.08
Std Dev 25.83

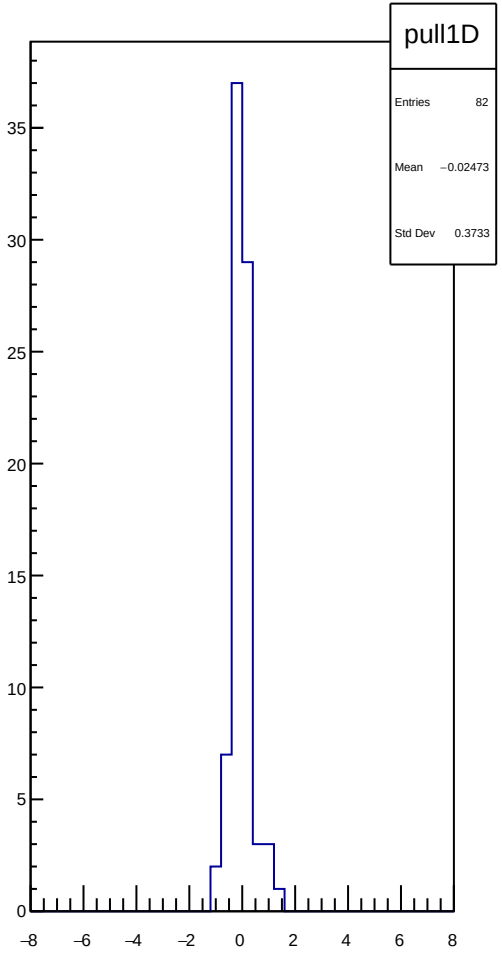

pull1D
Entries 82
Mean 0.119
Std Dev 0.7876

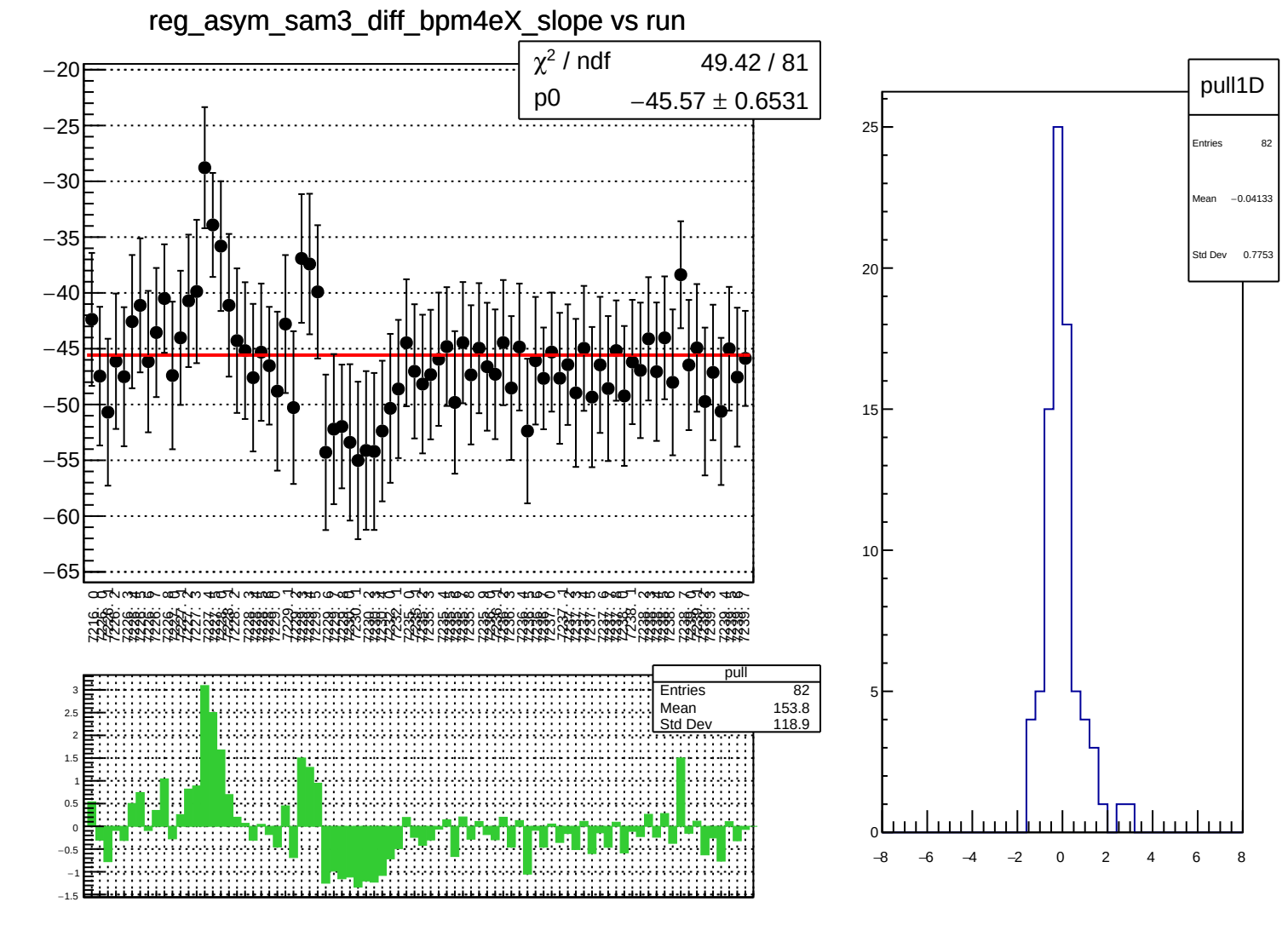

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 12.22 / 81
p0 1.534 ± 0.07083
pull
Entries 82
Mean 290.5
Std Dev 248.7

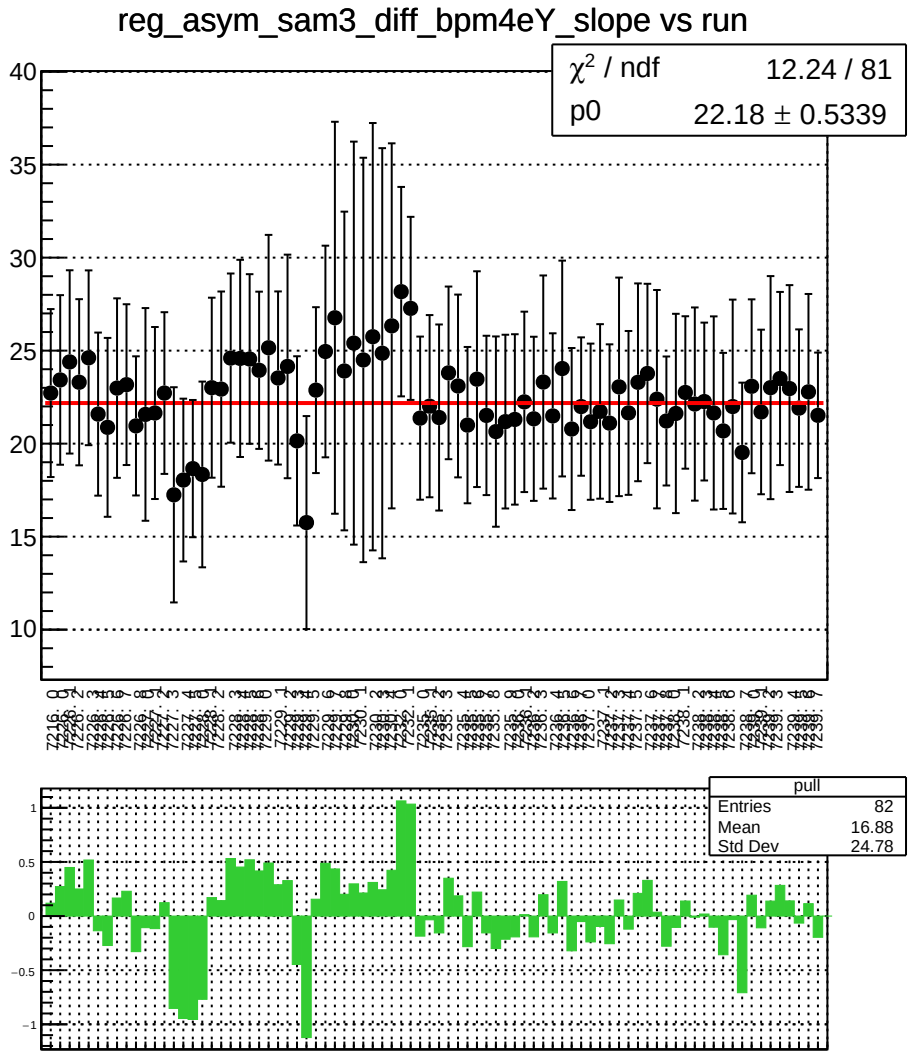

pull1D
Entries 82
Mean 0.01961
Std Dev 0.3855

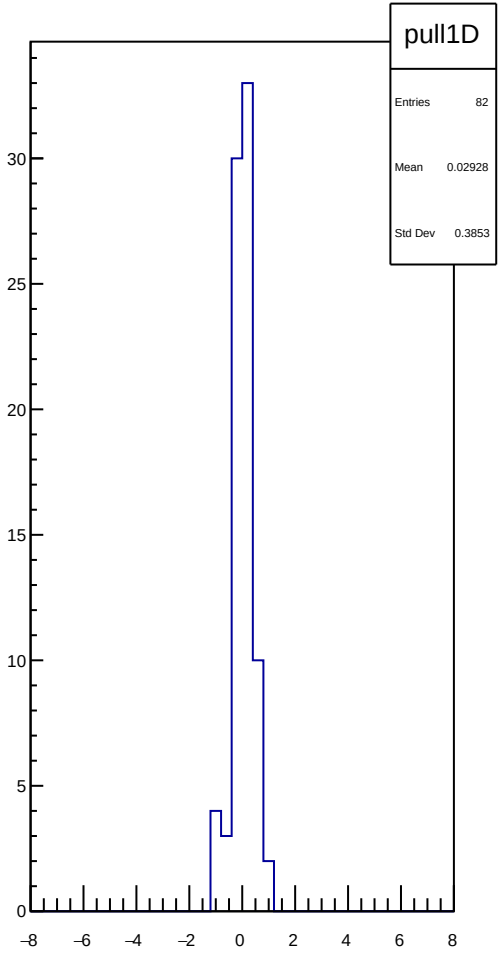

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 64.84 / 81
p0 −26.21 ± 0.6379
−10
−20
−30
−40
−50
pull
Entries 82
Mean 416.3
Std Dev 380.4
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.02155
Std Dev 0.8889
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

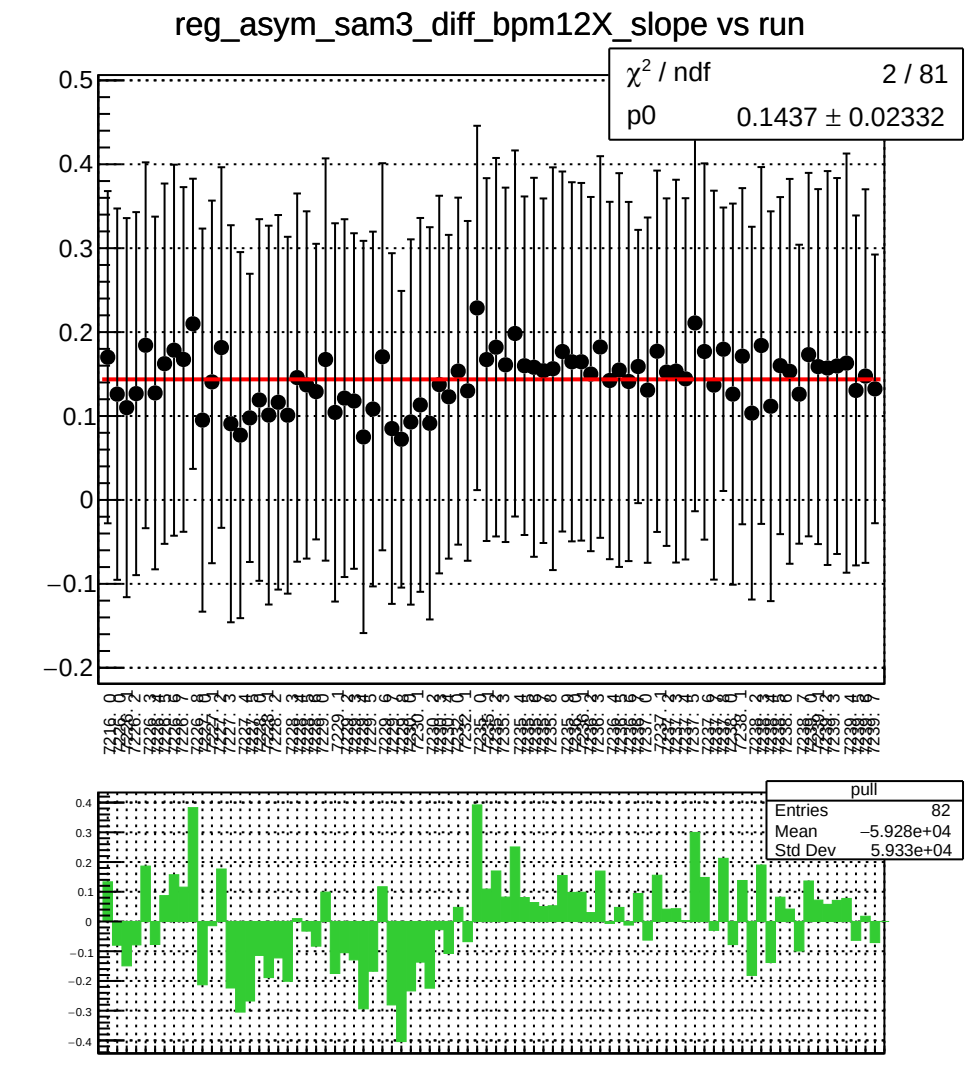

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 11.47 / 81
p0 −1.755 ± 0.4848
pull
Entries 82
Mean 5.157
Std Dev 33.9

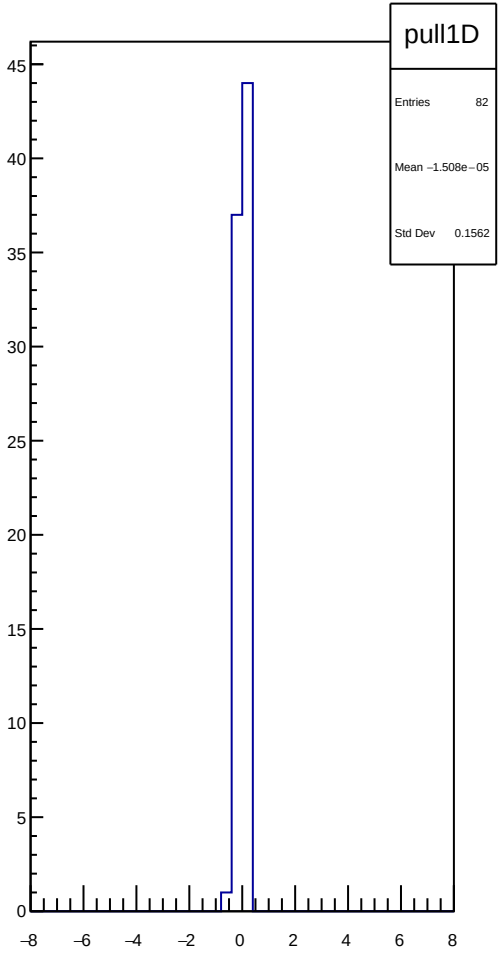

pull1D
Entries 82
Mean −0.02473
Std Dev 0.3733

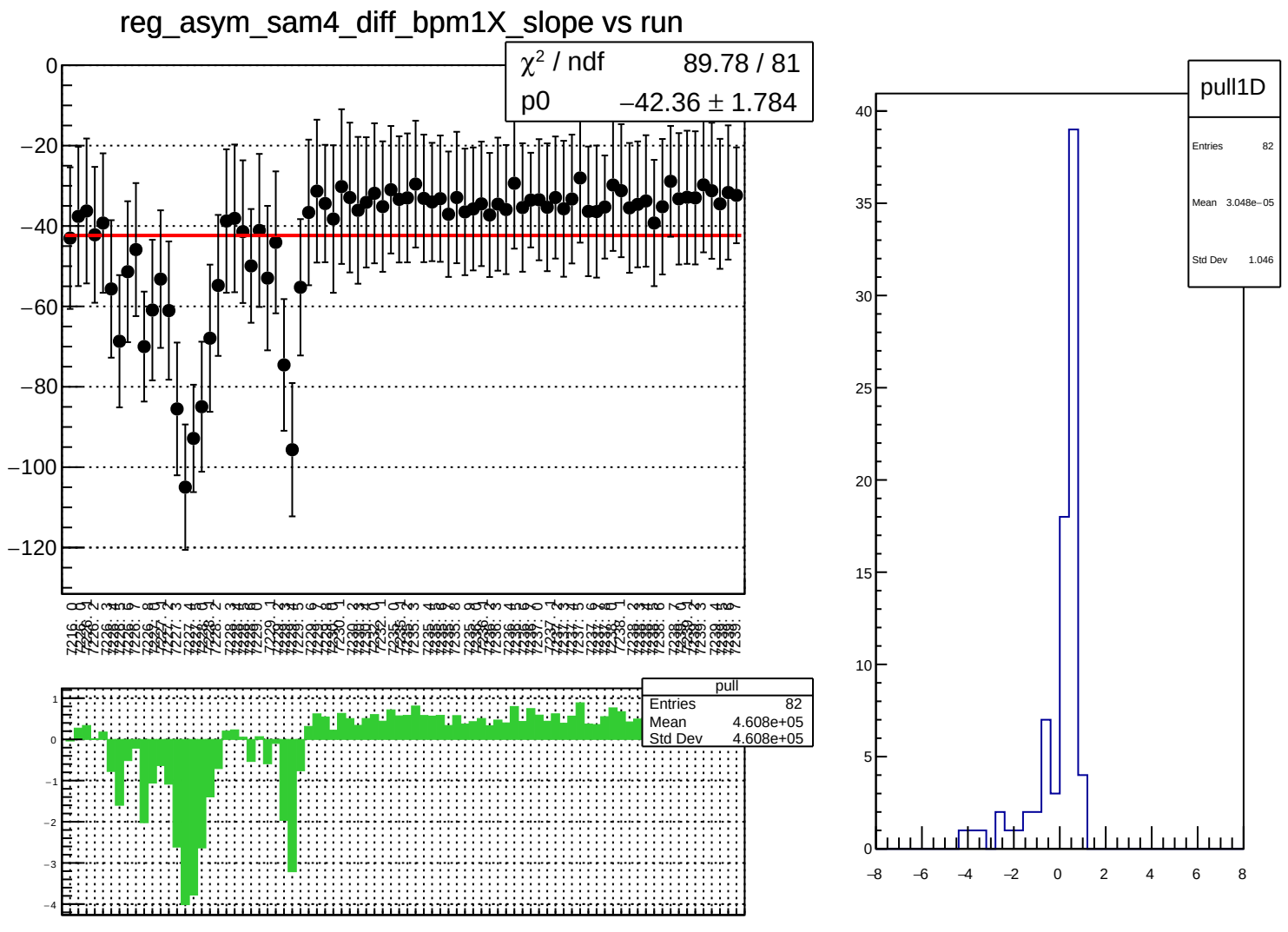

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 49.42 / 81
p0 −45.57 ± 0.6531
pull
Entries 82
Mean 153.8
Std Dev 118.9
pull1D
Entries 82
Mean −0.04133
Std Dev 0.7753

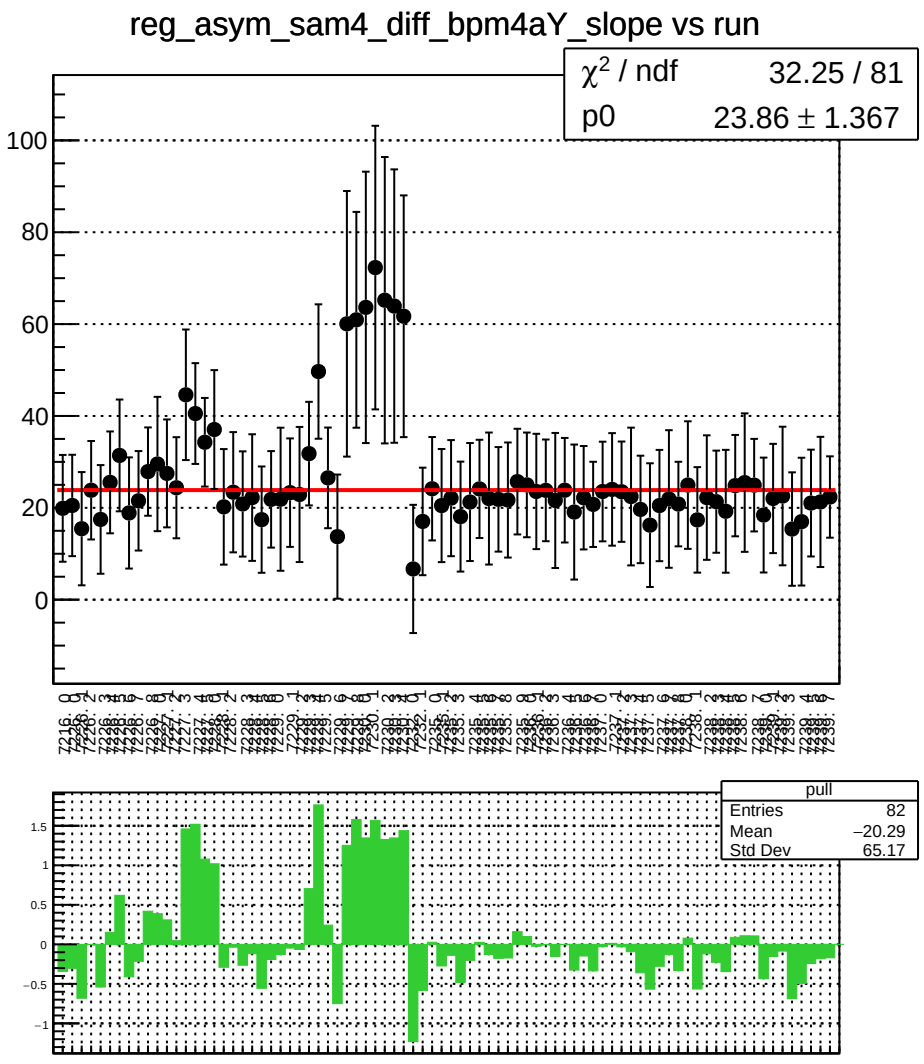

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 12.24 / 81
p0 22.18 ± 0.5339
pull
Entries 82
Mean 16.88
Std Dev 24.78

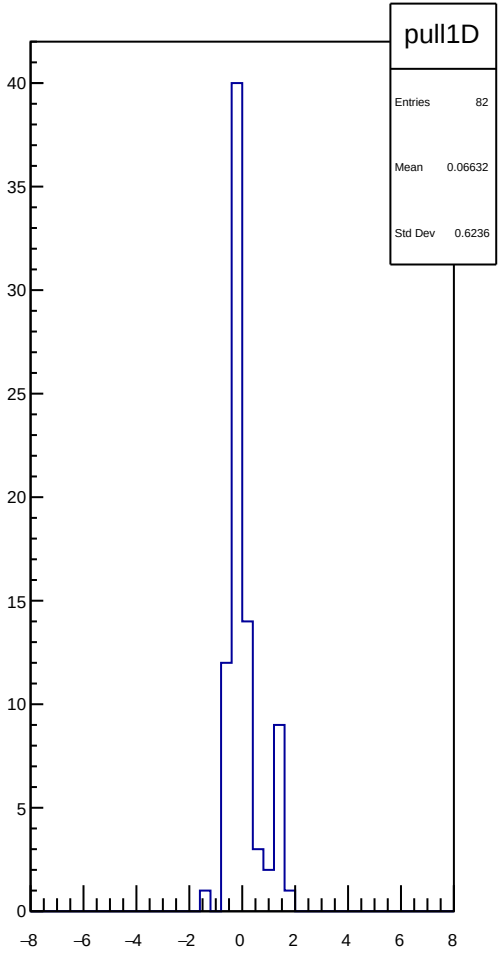

pull1D
Entries 82
Mean 0.02928
Std Dev 0.3853

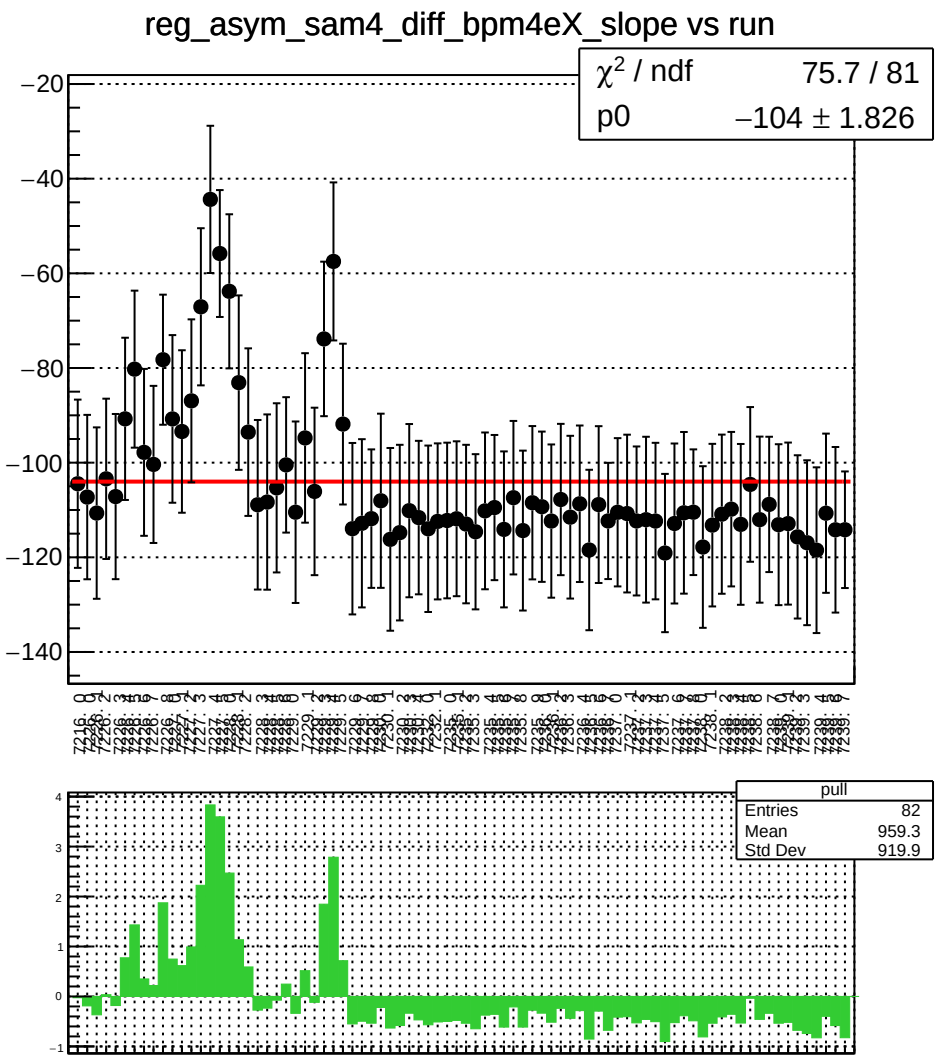

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2 / 81
p0 0.1437 ± 0.02332
pull
Entries 82
Mean −5.928e+04
Std Dev 5.933e+04

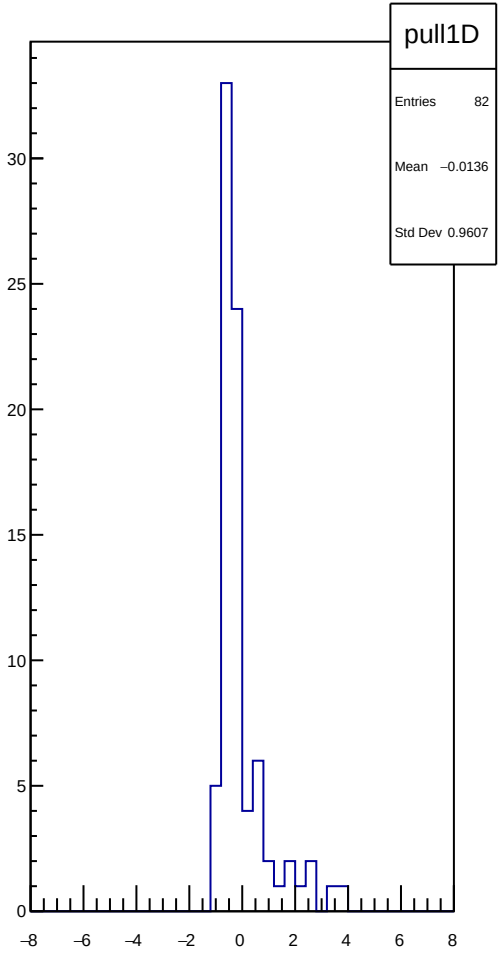

pull1D
Entries 82
Mean −1.508e−05
Std Dev 0.1562

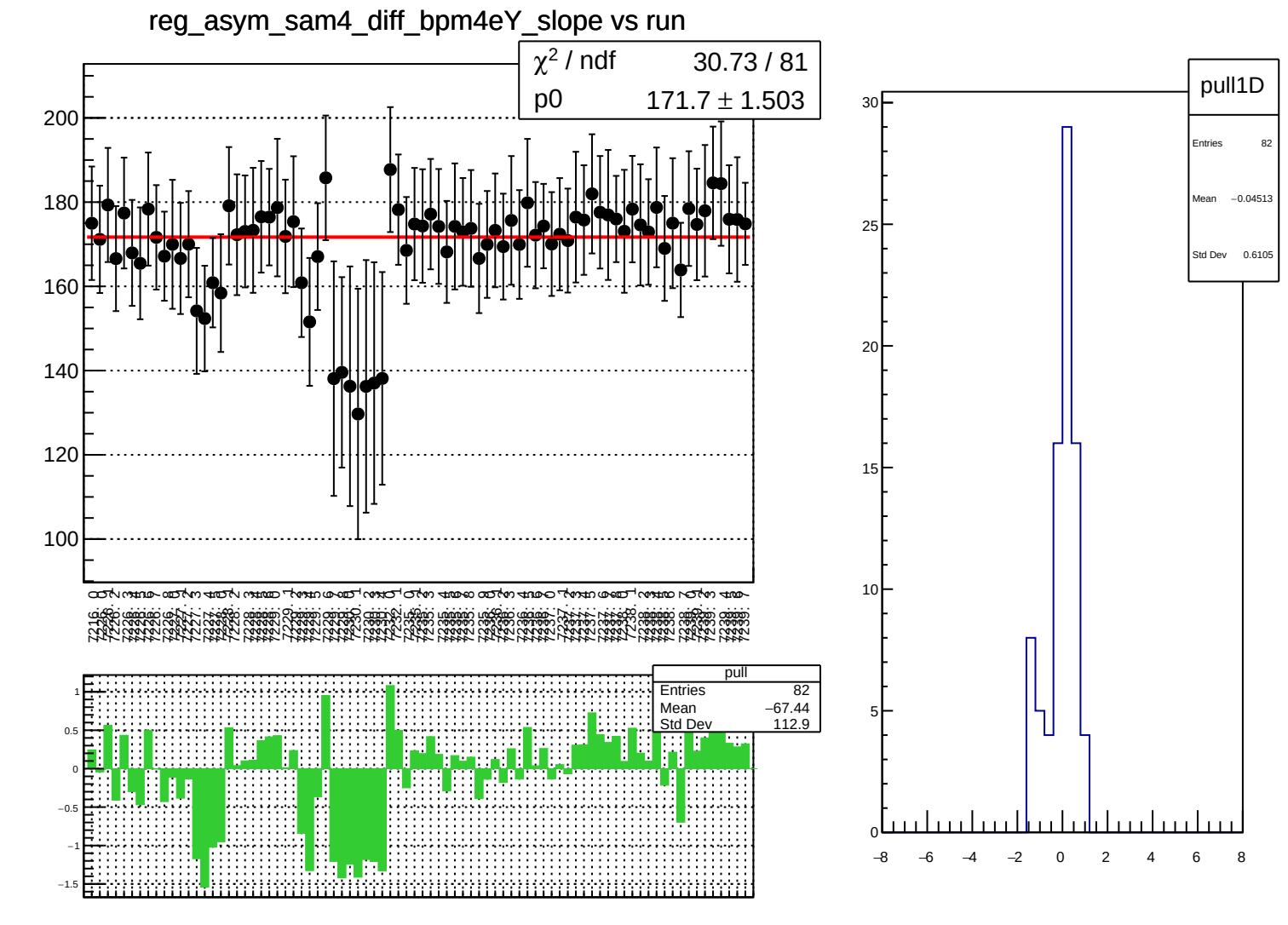

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 89.78 / 81
p0 −42.36 ± 1.784
pull
Entries 82
Mean 4.608e+05
Std Dev 4.608e+05
pull1D
Entries 82
Mean 3.048e−05
Std Dev 1.046

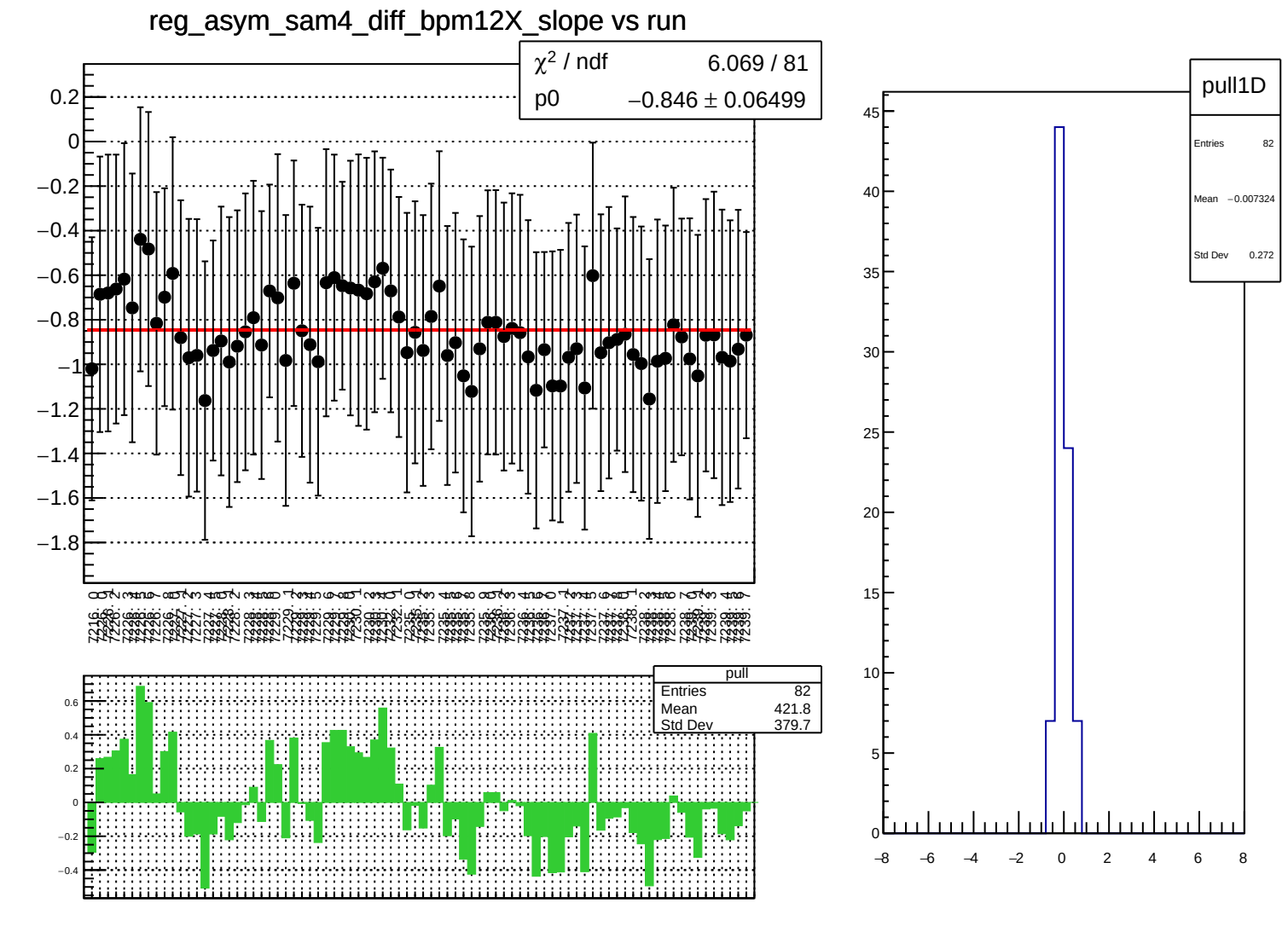

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 32.25 / 81
p0 23.86 ± 1.367
pull
Entries 82
Mean −20.29
Std Dev 65.17

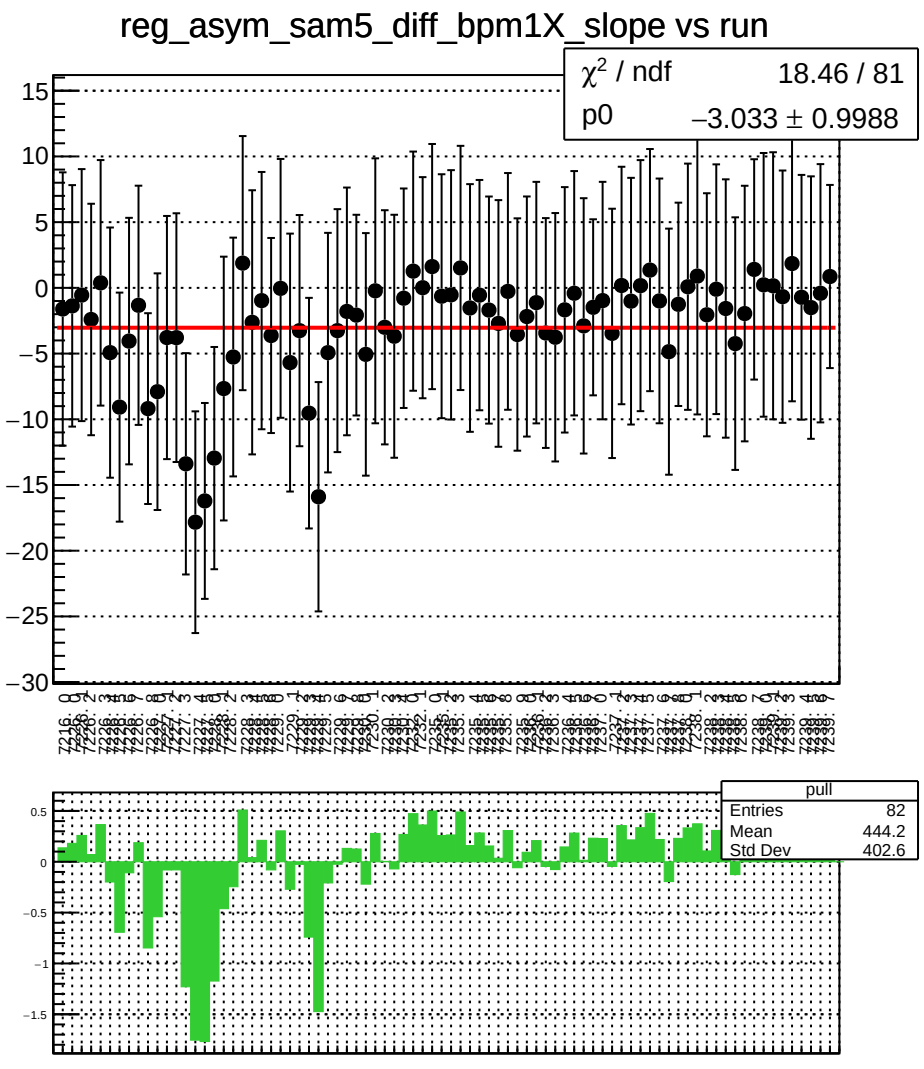

pull1D
Entries 82
Mean 0.06632
Std Dev 0.6236

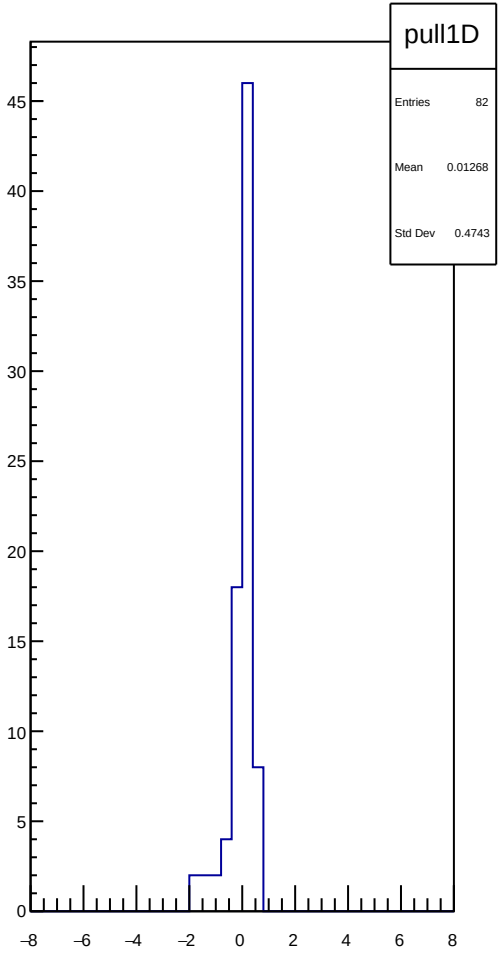

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 75.7 / 81
p0 −104 ± 1.826
pull
Entries 82
Mean 959.3
Std Dev 919.9

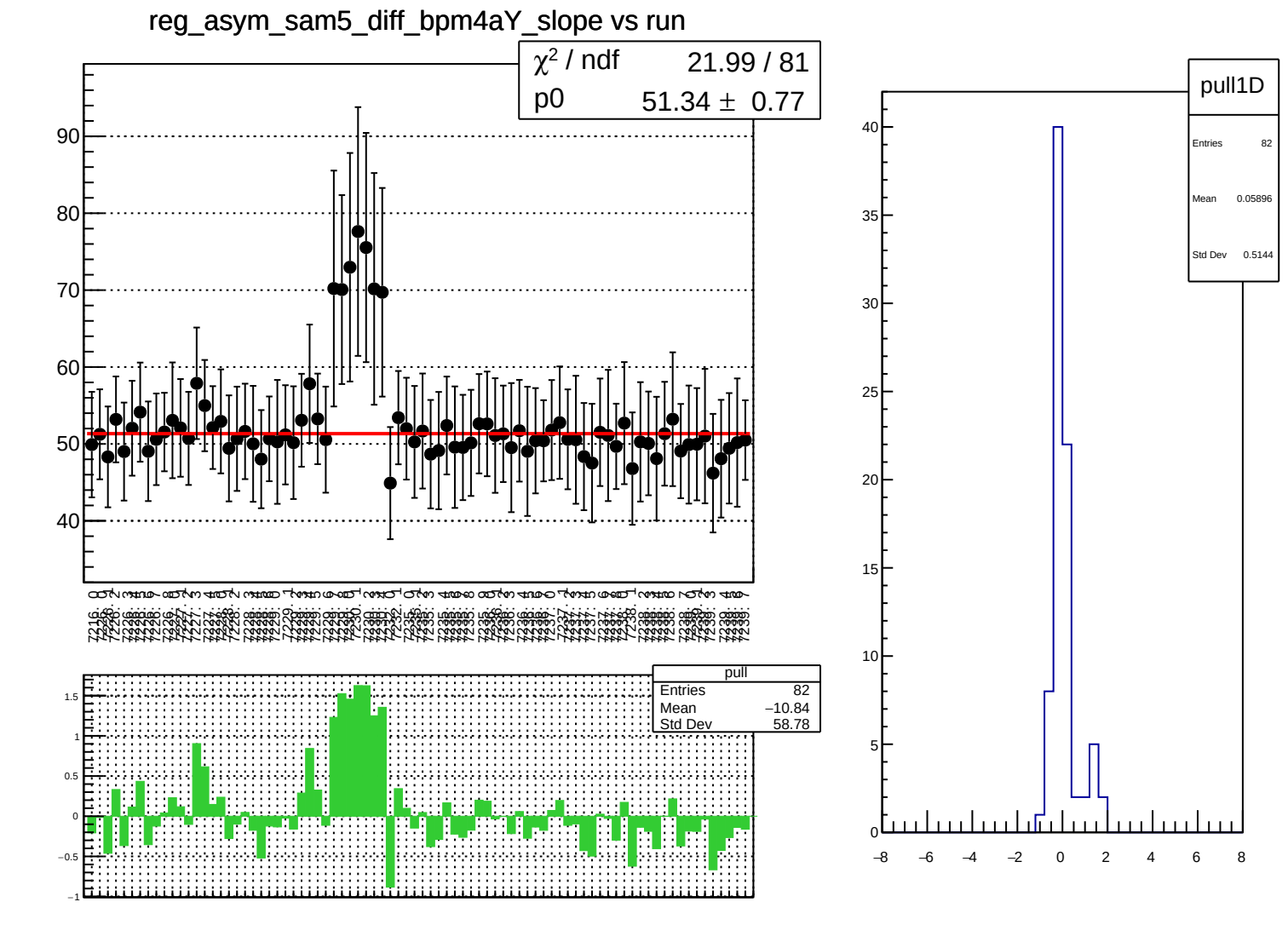

pull1D
Entries 82
Mean −0.0136
Std Dev 0.9607

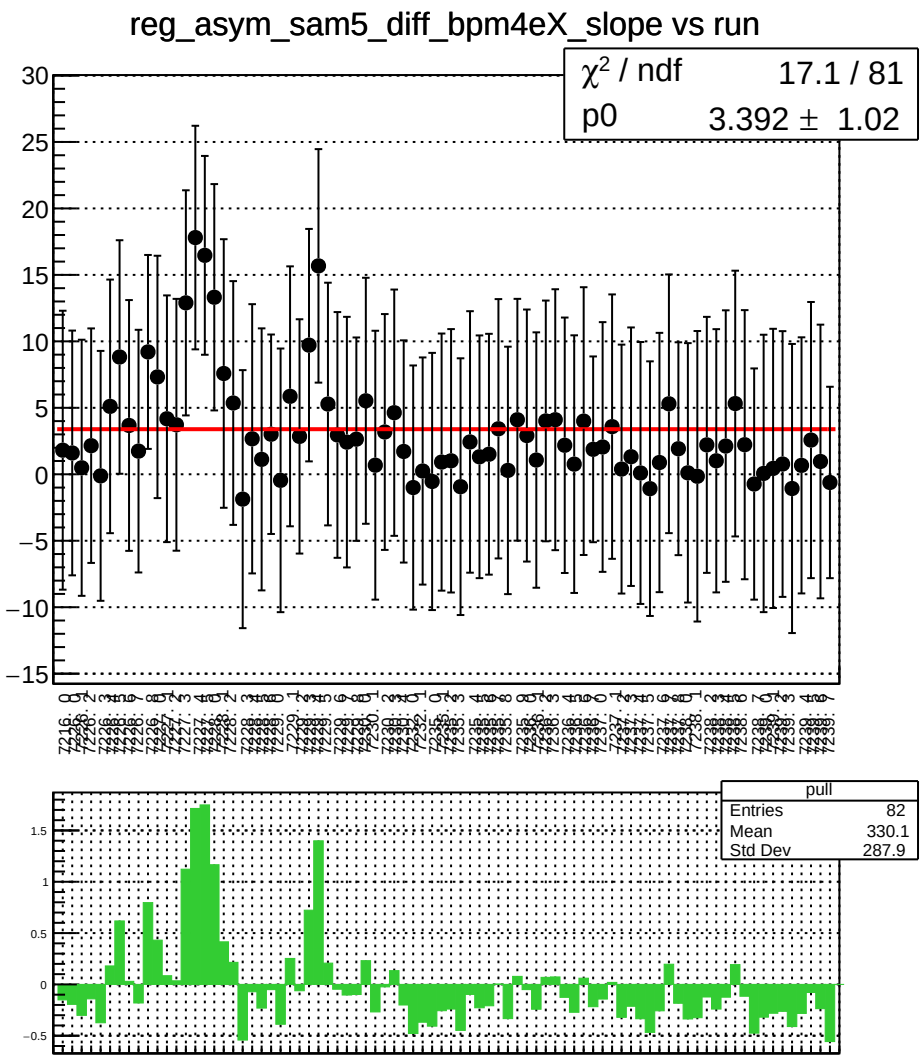

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 30.73 / 81
p0 171.7 ± 1.503
200
180
160
140
120
100
pull
Entries 82
Mean −67.44
Std Dev 112.9
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.04513
Std Dev 0.6105
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

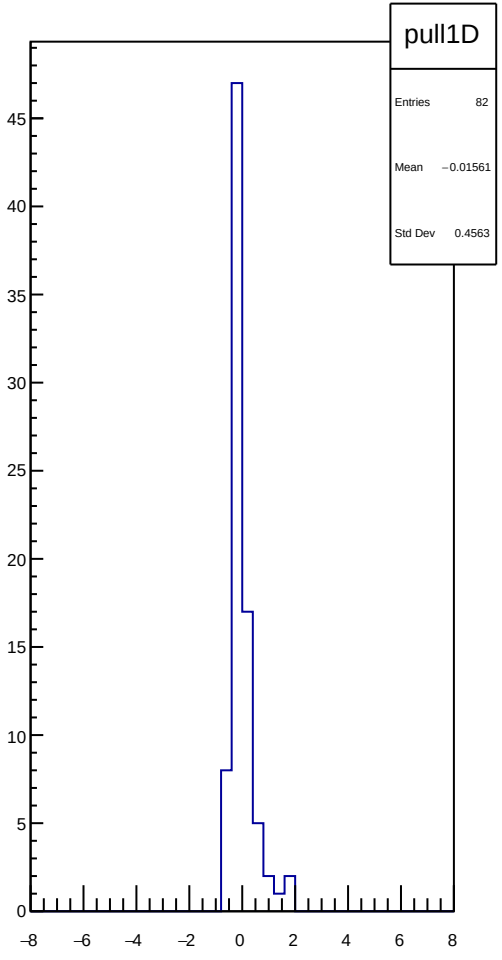

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 6.069 / 81
p0 −0.846 ± 0.06499
pull
Entries 82
Mean 421.8
Std Dev 379.7
pull1D
Entries 82
Mean −0.007324
Std Dev 0.272

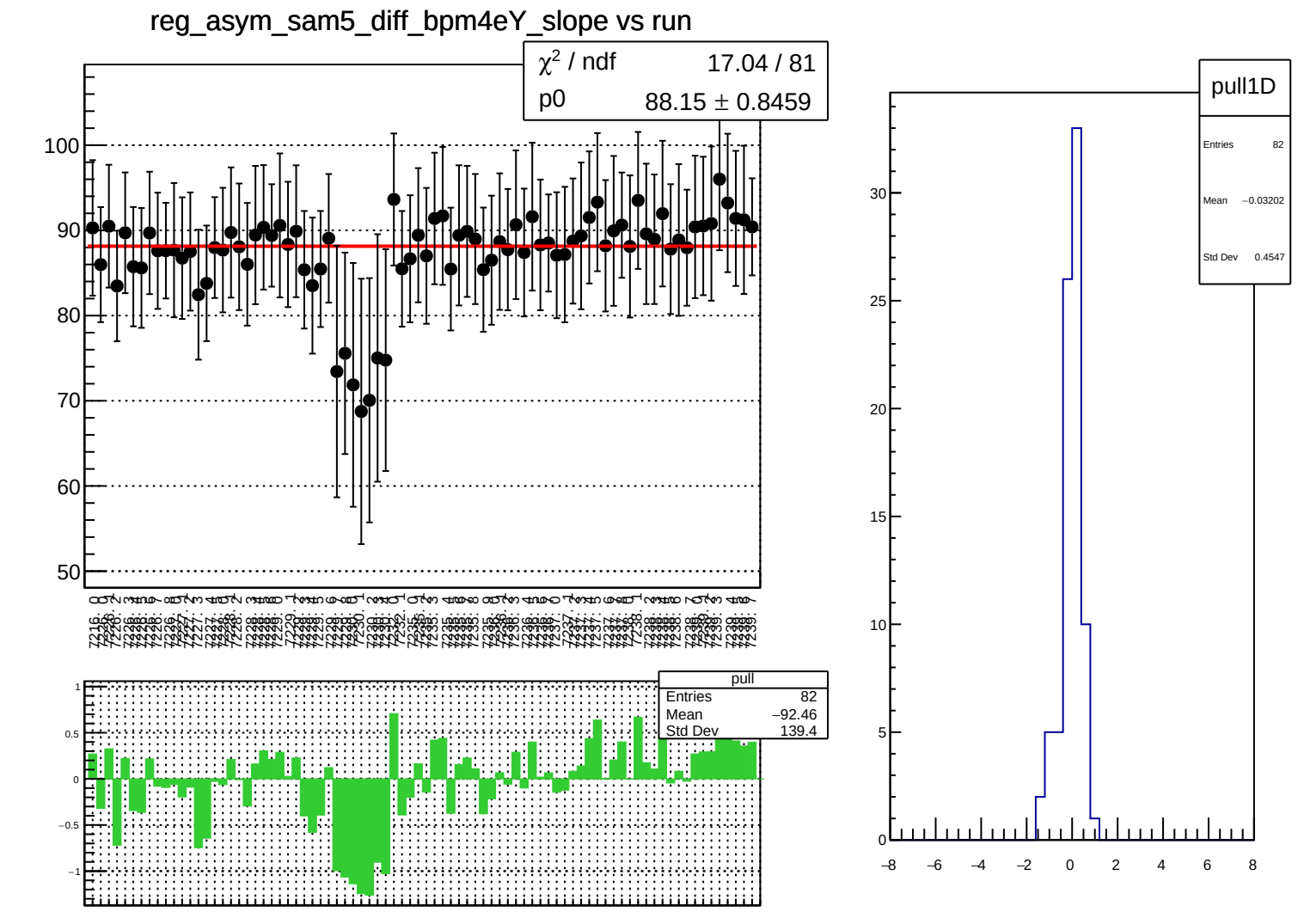

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 18.46 / 81
p0 −3.033 ± 0.9988
pull
Entries 82
Mean 444.2
Std Dev 402.6

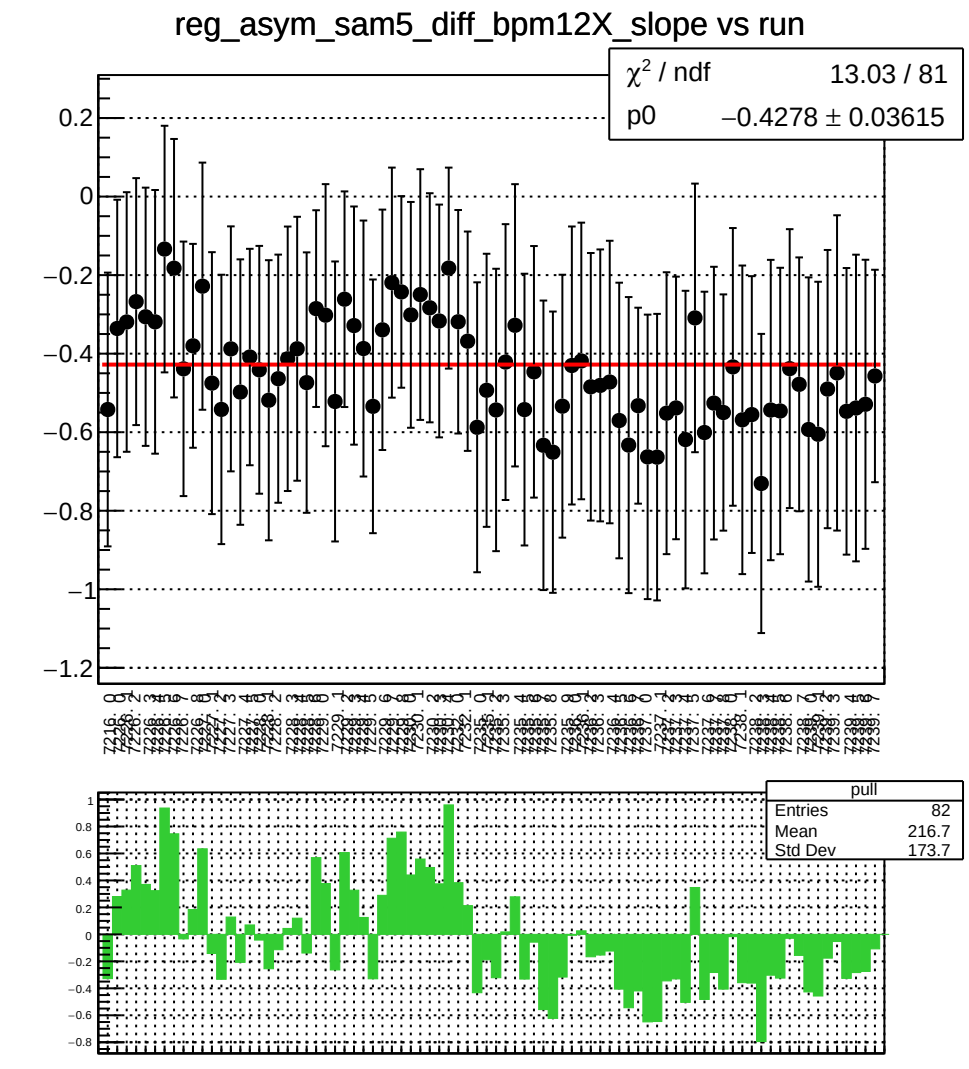

pull1D
Entries 82
Mean 0.01268
Std Dev 0.4743

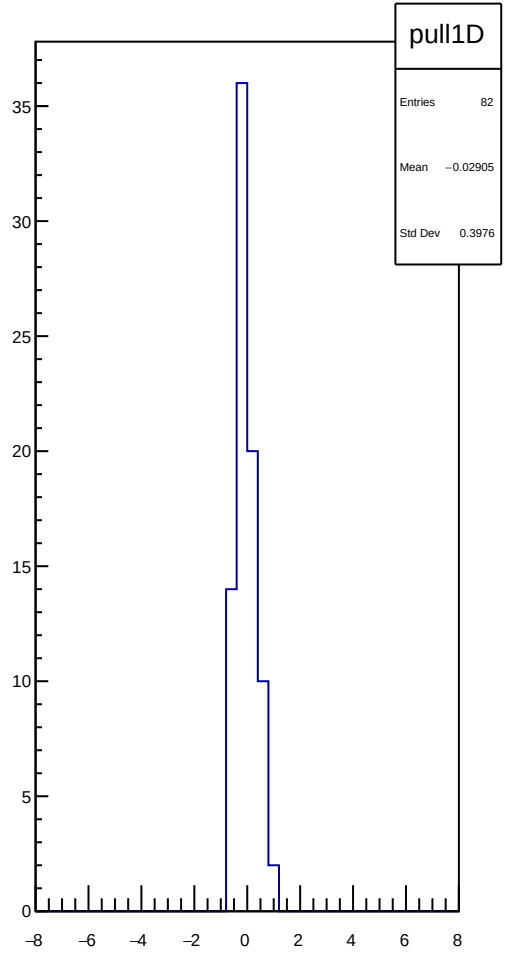

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 21.99 / 81
p0 51.34 ± 0.77
pull
Entries 82
Mean −10.84
Std Dev 58.78
pull1D
Entries 82
Mean 0.05896
Std Dev 0.5144

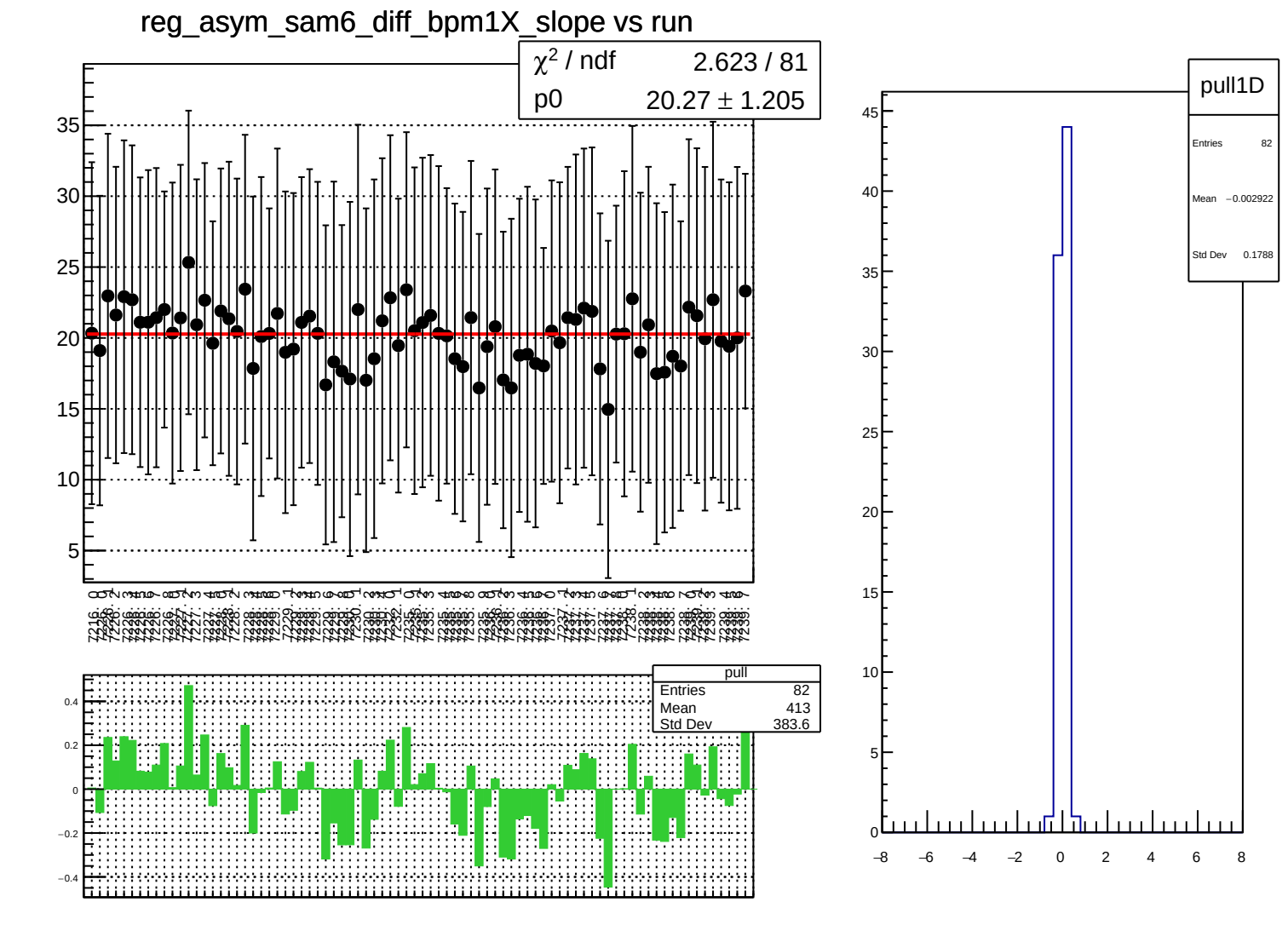

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 17.1 / 81
p0 3.392 ± 1.02
pull
Entries 82
Mean 330.1
Std Dev 287.9

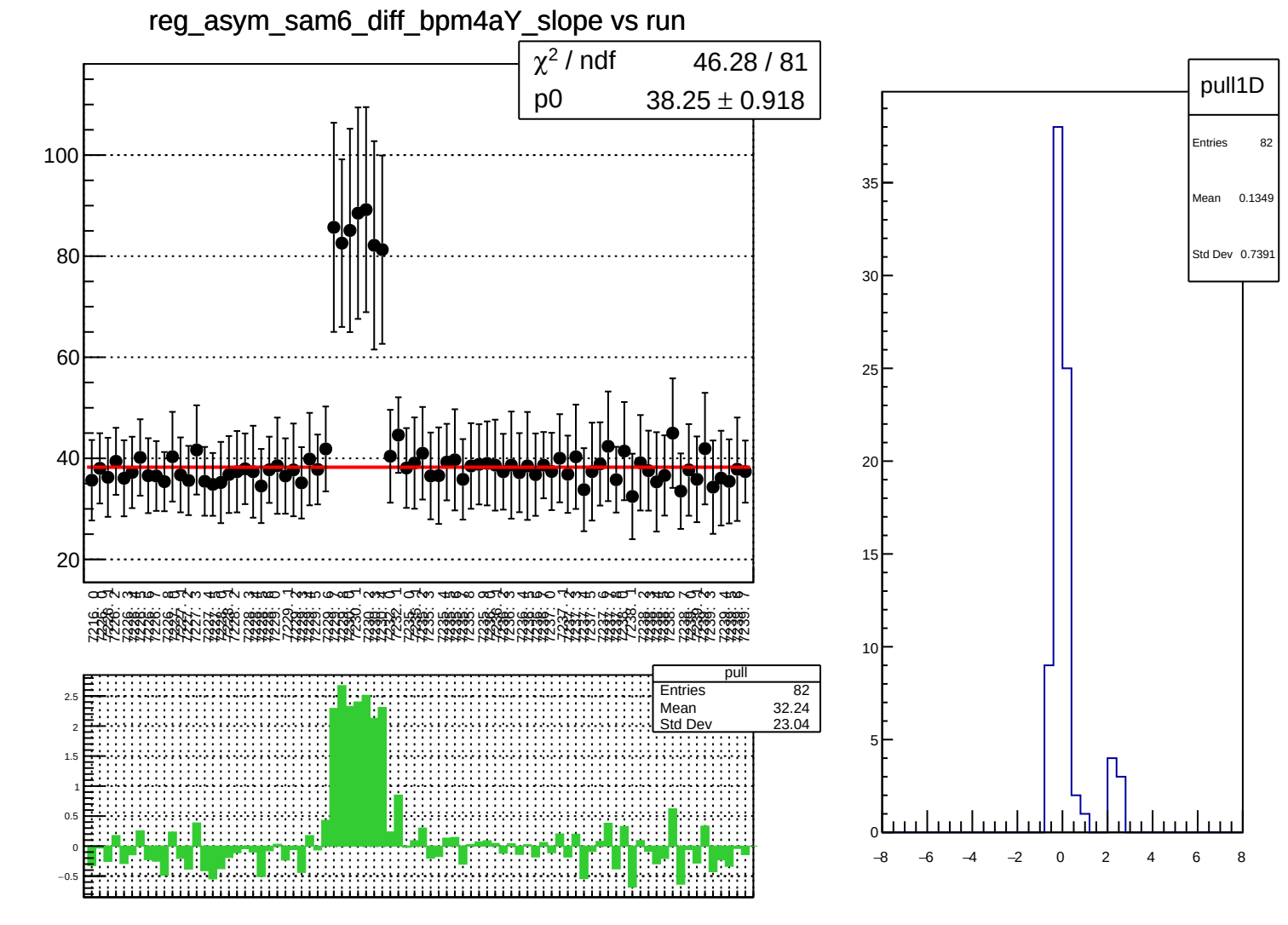

pull1D
Entries 82
Mean −0.01561
Std Dev 0.4563

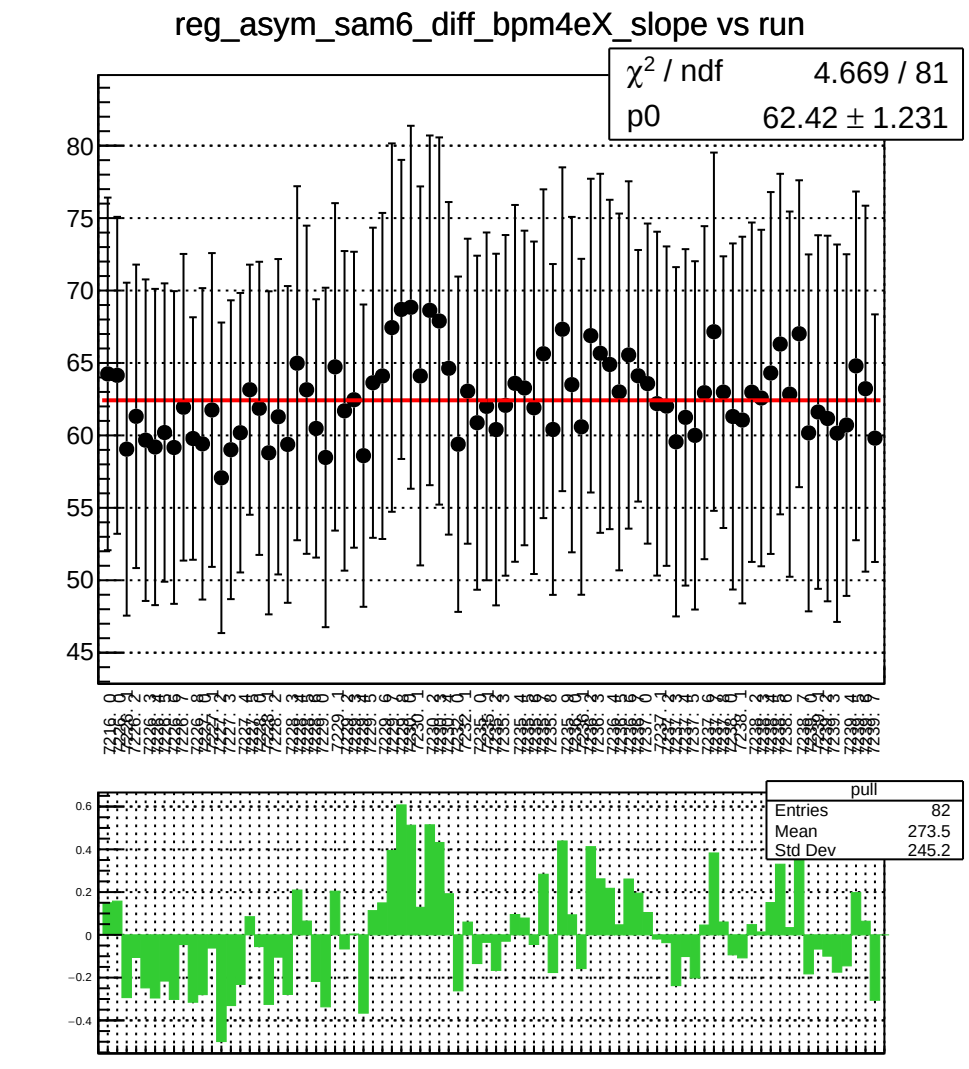

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 17.04 / 81
p0 88.15 ± 0.8459
pull
Entries 82
Mean −92.46
Std Dev 139.4
pull1D
Entries 82
Mean −0.03202
Std Dev 0.4547

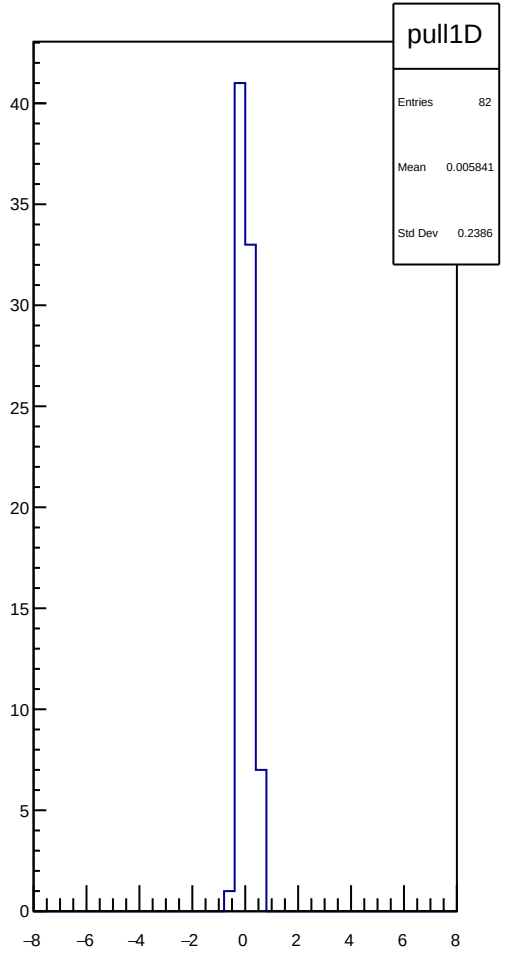

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 13.03 / 81
p0 −0.4278 ± 0.03615
pull
Entries 82
Mean 216.7
Std Dev 173.7

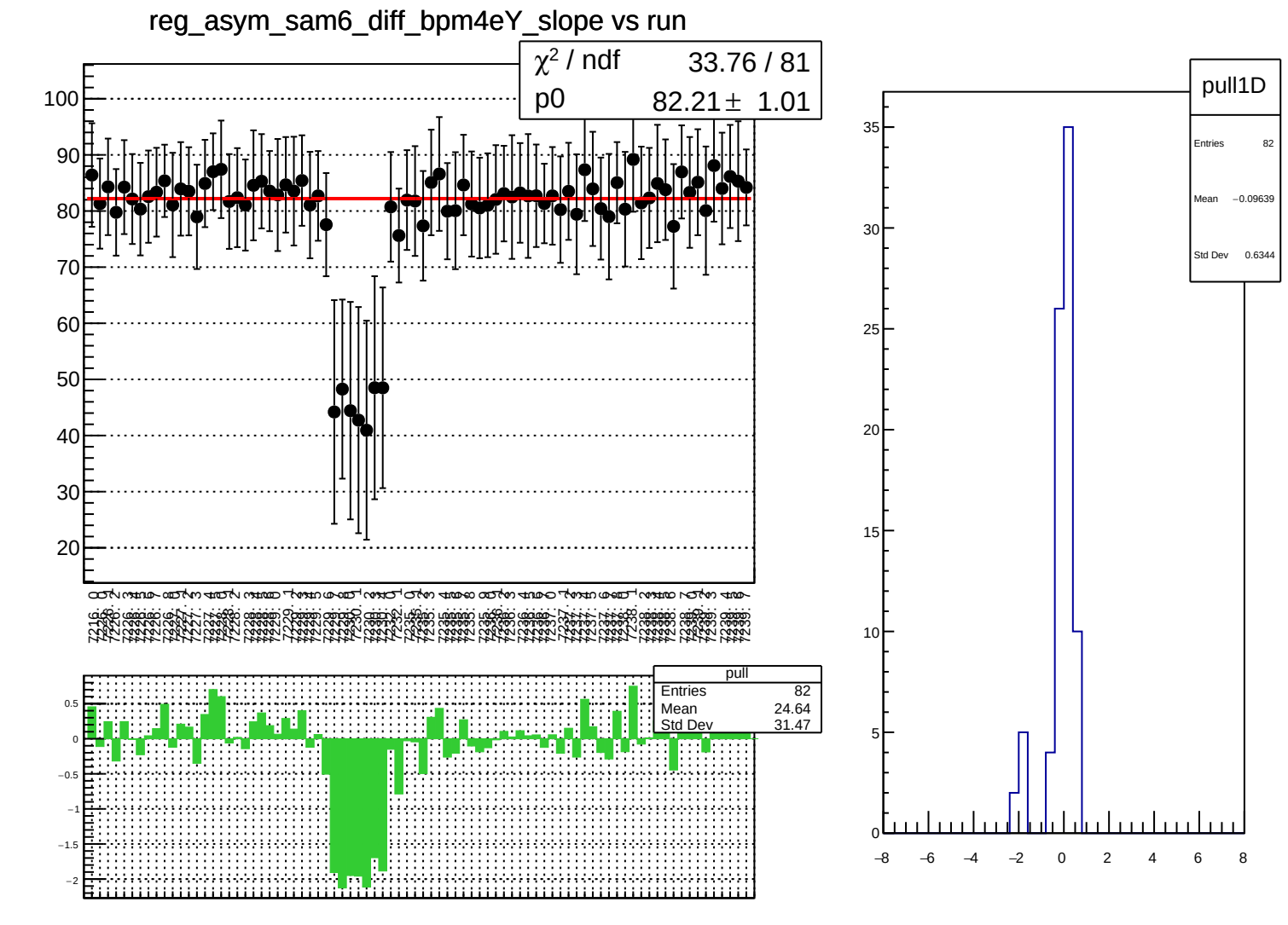

pull1D
Entries 82
Mean −0.02905
Std Dev 0.3976

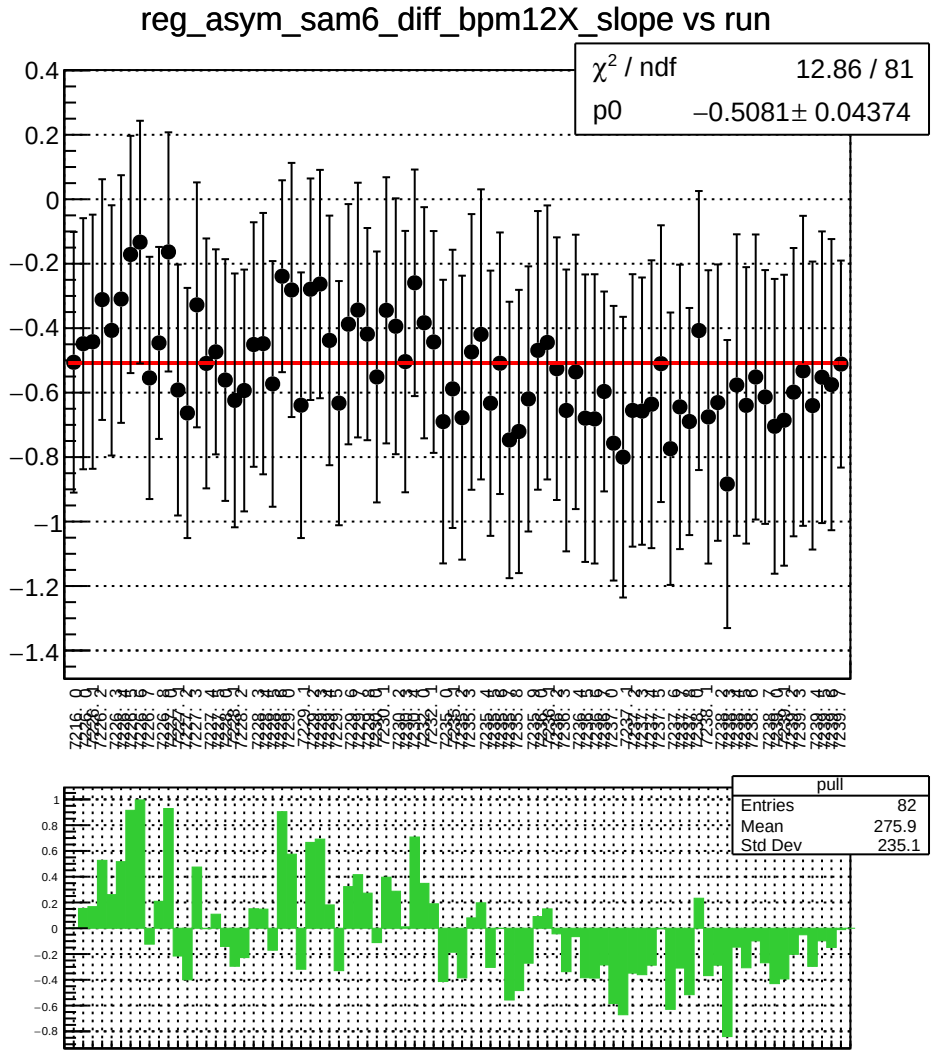

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.623 / 81
p0 20.27 ± 1.205
pull
Entries 82
Mean 413
Std Dev 383.6
pull1D
Entries 82
Mean −0.002922
Std Dev 0.1788

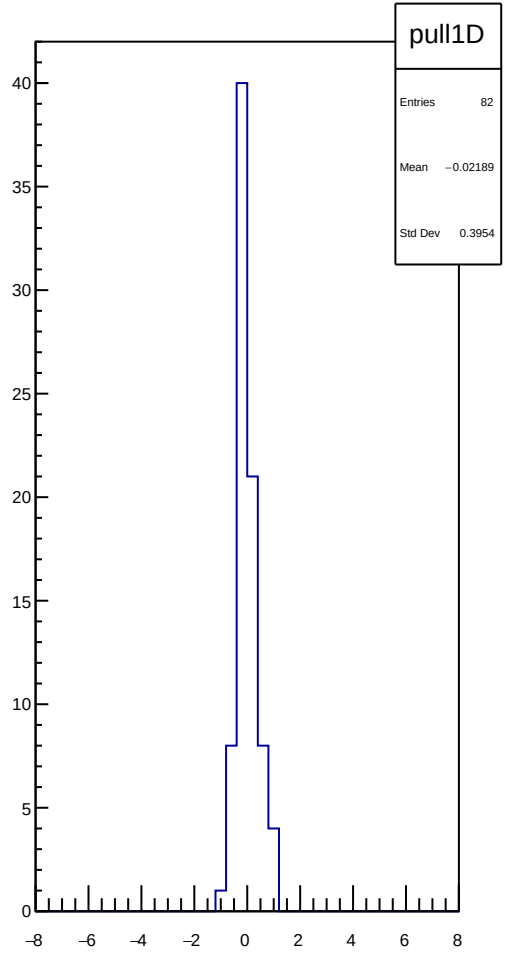

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 46.28 / 81
p0 38.25 ± 0.918
pull
Entries 82
Mean 32.24
Std Dev 23.04
pull1D
Entries 82
Mean 0.1349
Std Dev 0.7391

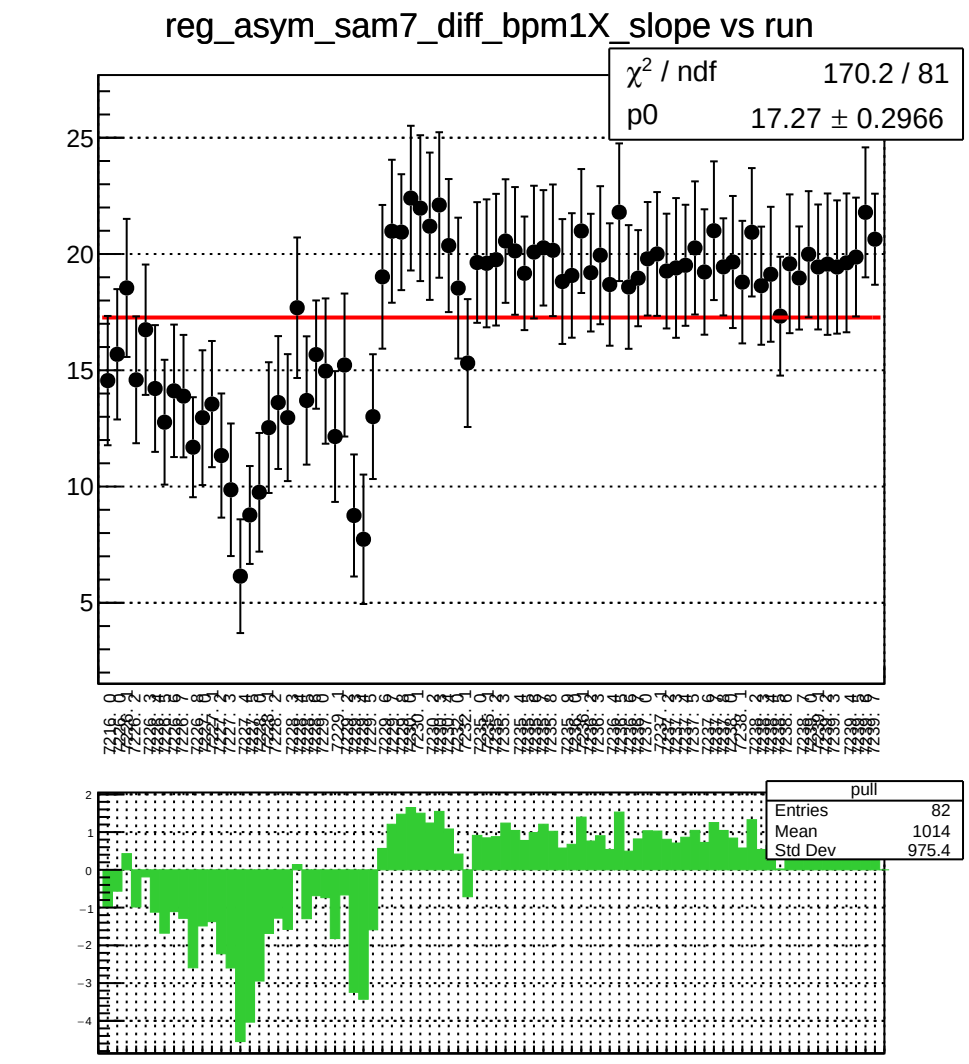

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.669 / 81
p0 62.42 ± 1.231
pull
Entries 82
Mean 273.5
Std Dev 245.2

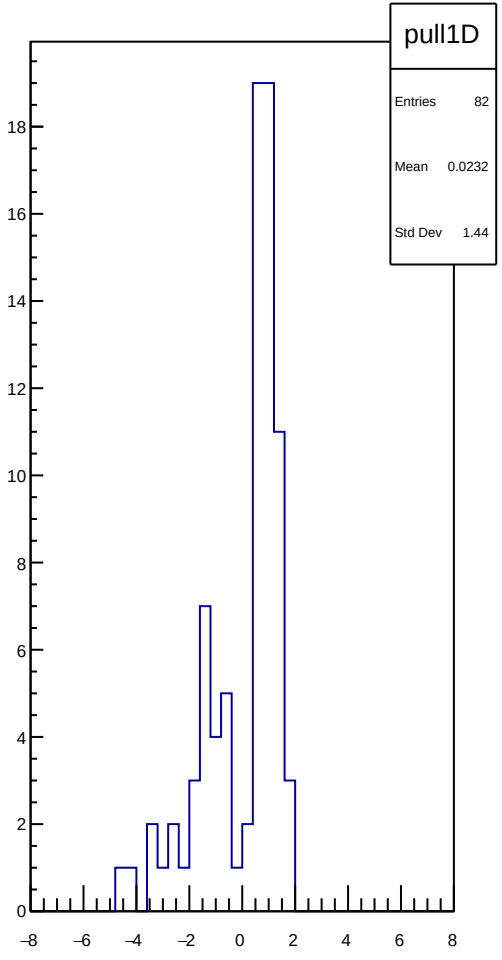

pull1D
Entries 82
Mean 0.005841
Std Dev 0.2386

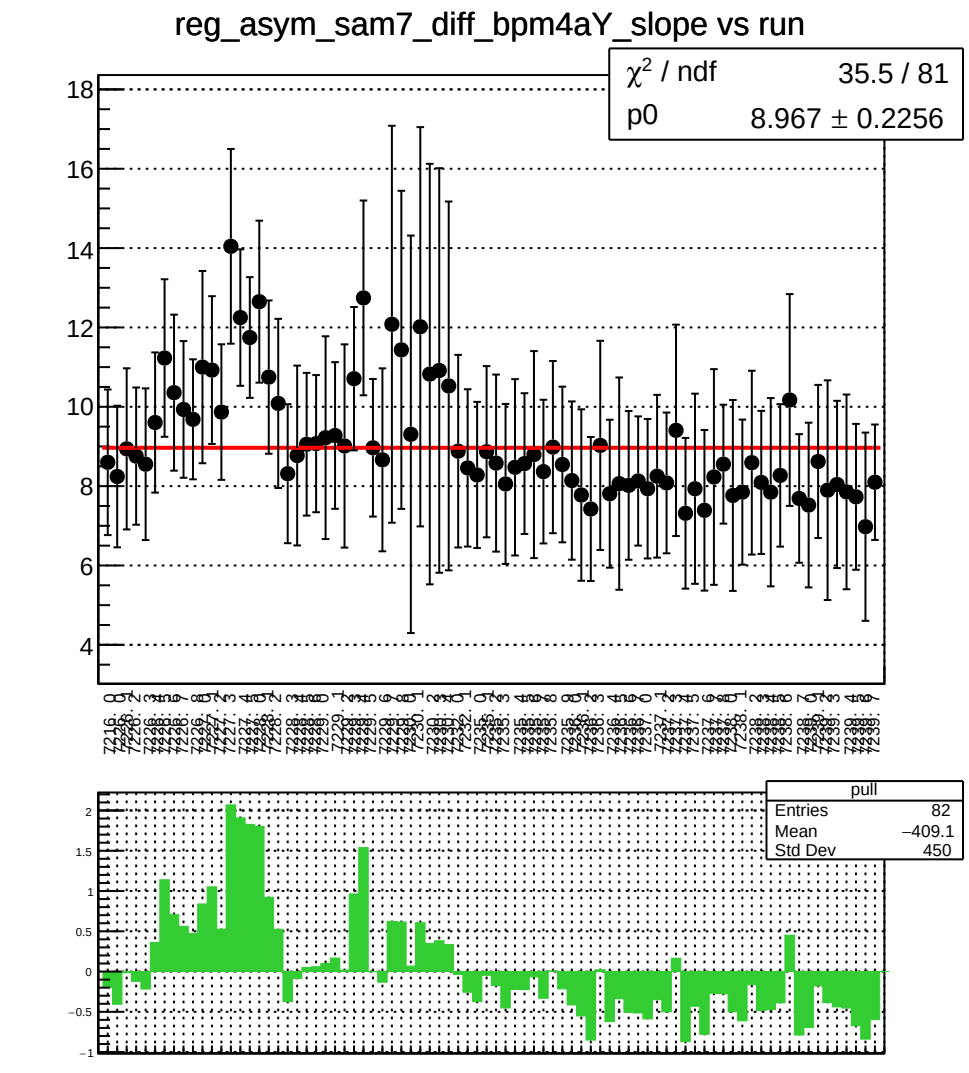

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 33.76 / 81
p0 82.21 ± 1.01
pull
Entries 82
Mean 24.64
Std Dev 31.47
pull1D
Entries 82
Mean −0.09639
Std Dev 0.6344

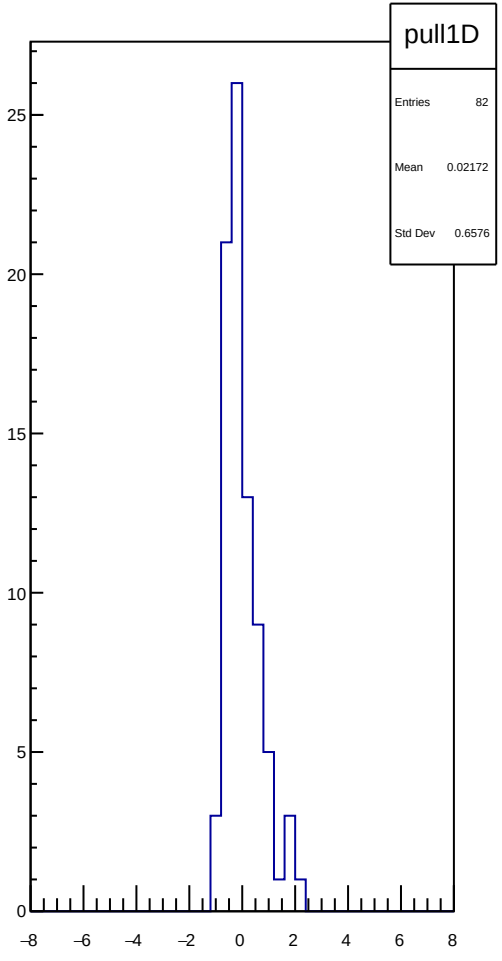

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 12.86 / 81
p0 −0.5081± 0.04374
pull
Entries 82
Mean 275.9
Std Dev 235.1

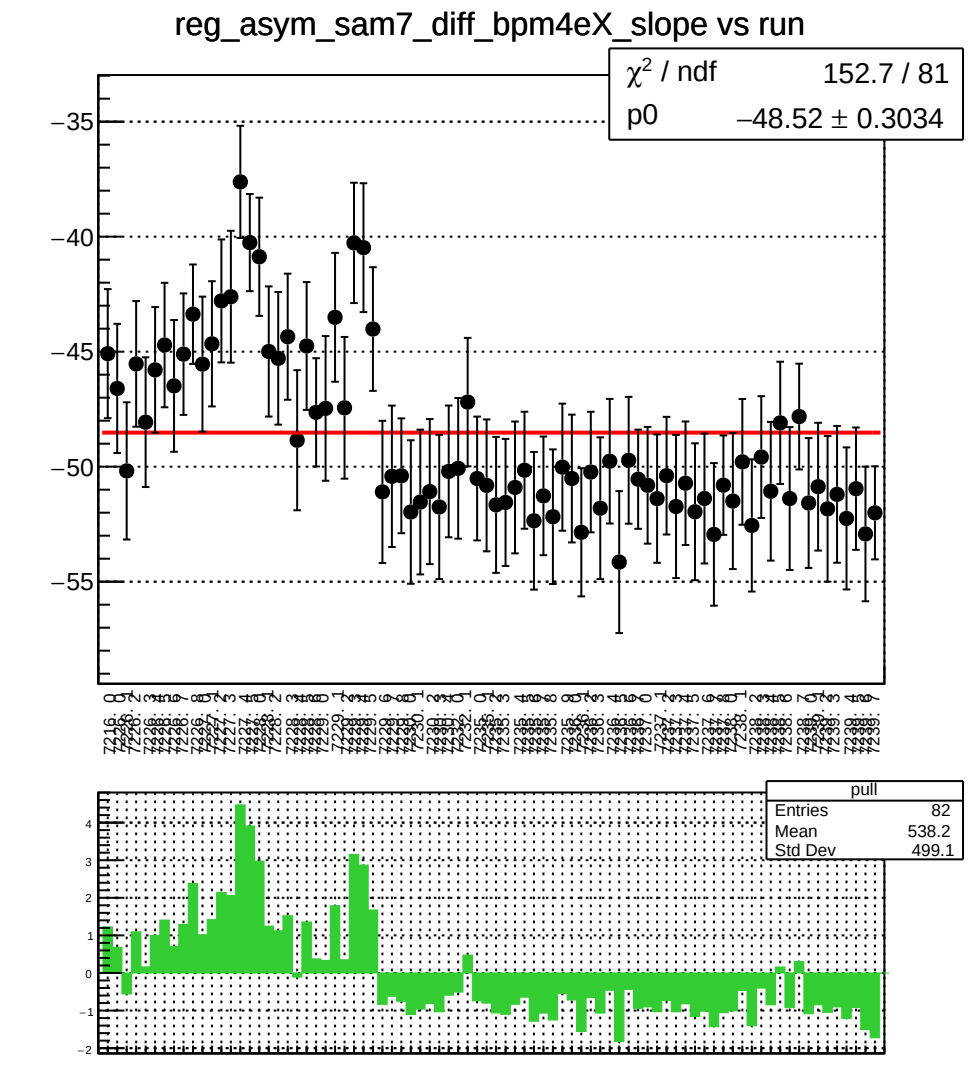

pull1D
Entries 82
Mean −0.02189
Std Dev 0.3954

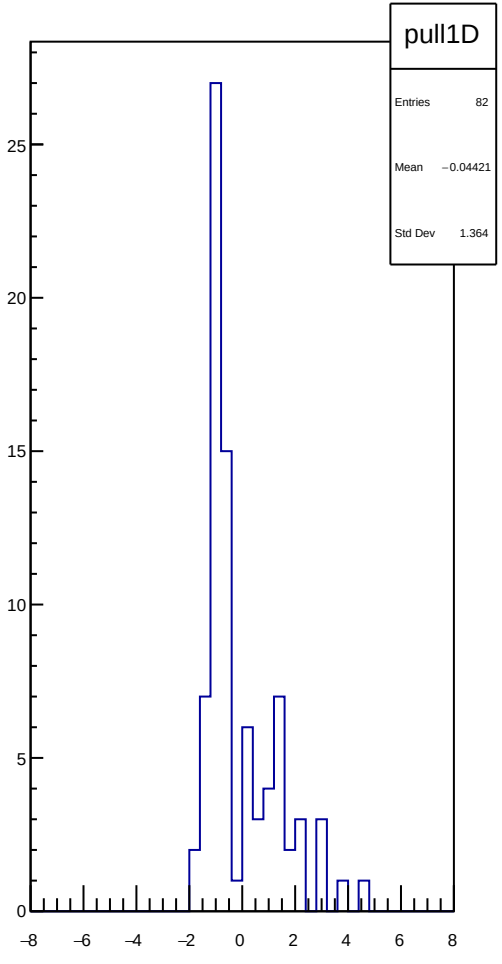

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 170.2 / 81
p0 17.27 ± 0.2966
pull
Entries 82
Mean 1014
Std Dev 975.4

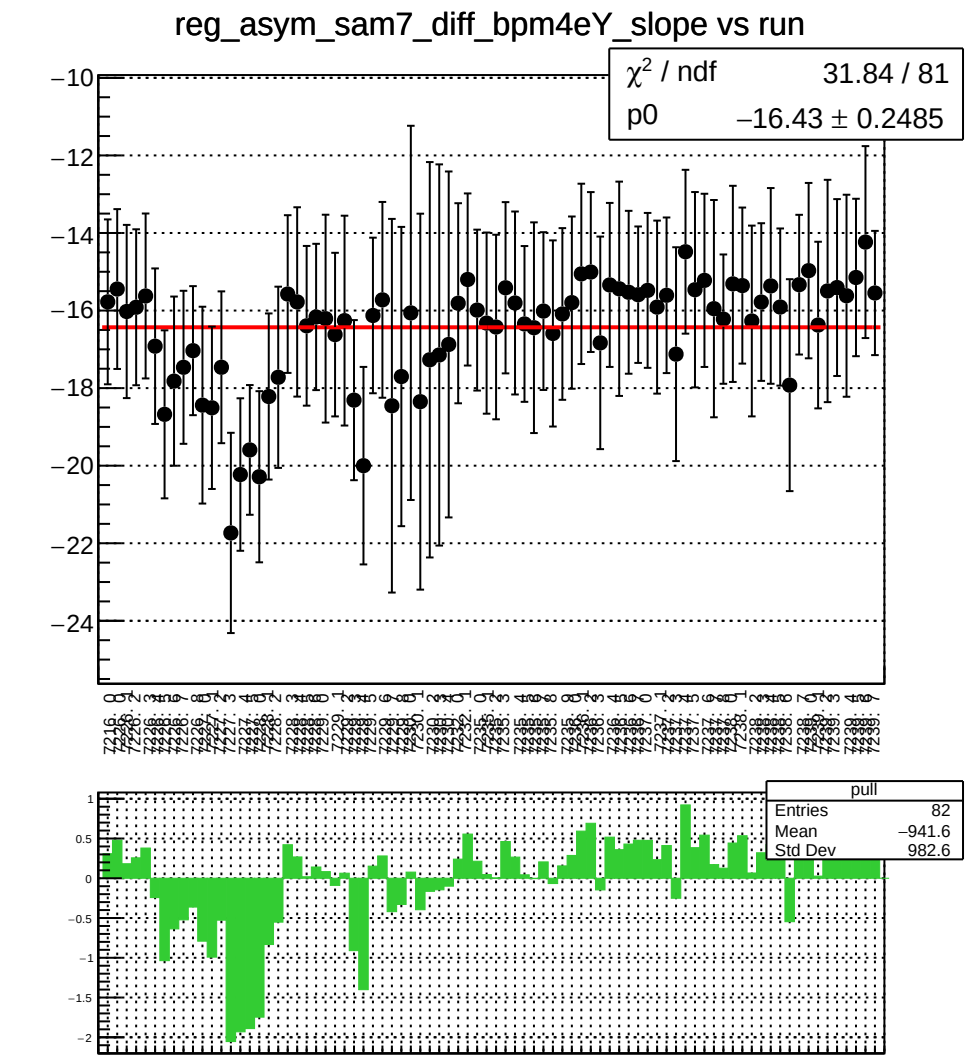

pull1D
Entries 82
Mean 0.0232
Std Dev 1.44

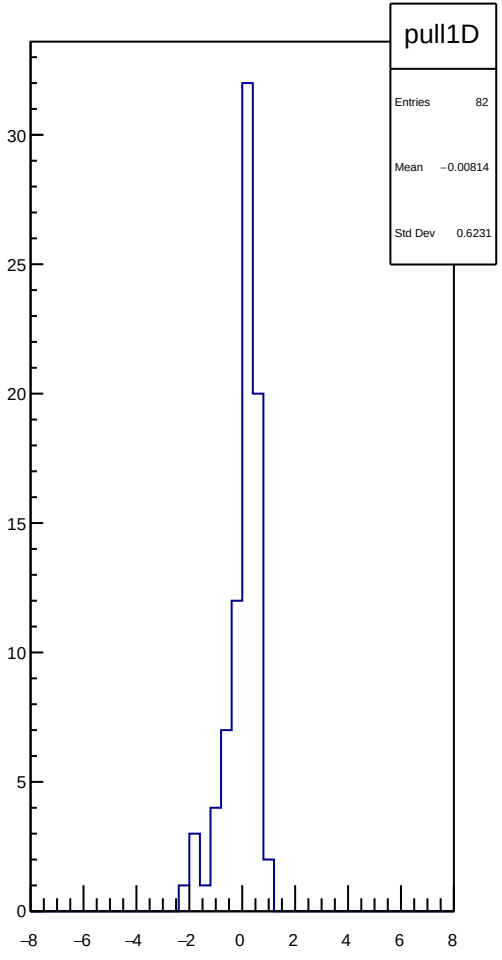

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 35.5 / 81
p0 8.967 ± 0.2256
pull
Entries 82
Mean −409.1
Std Dev 450

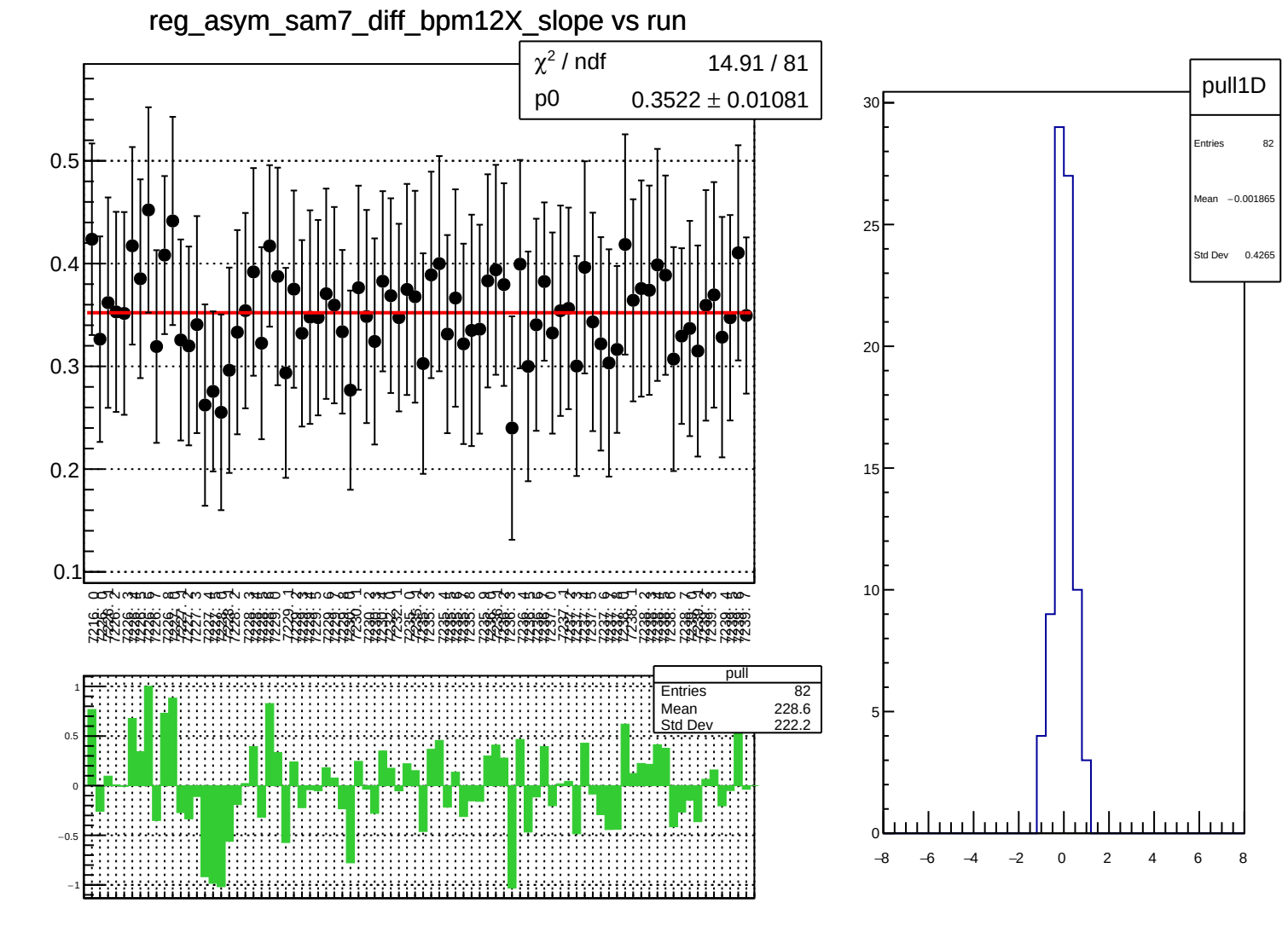

pull1D
Entries 82
Mean 0.02172
Std Dev 0.6576

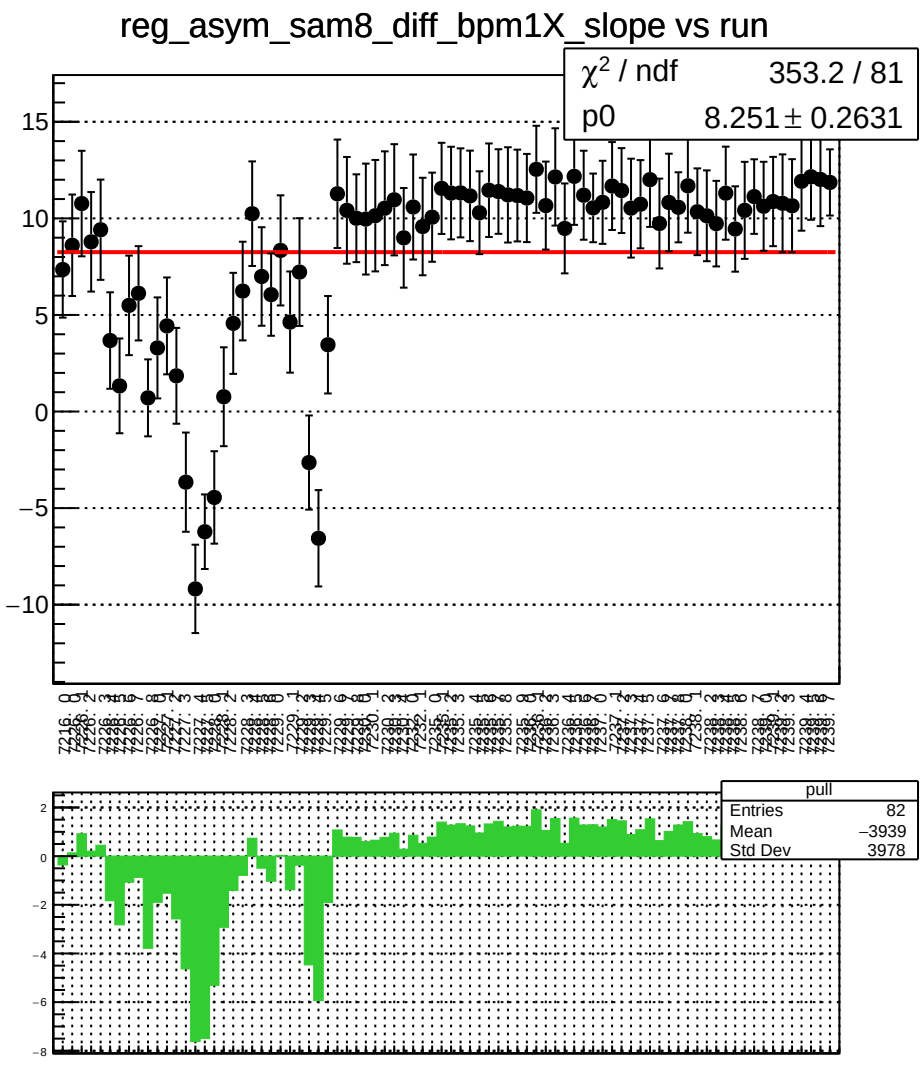

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 152.7 / 81
p0 −48.52 ± 0.3034
−35
−40
−45
−50
−55
pull
Entries 82
Mean 538.2
Std Dev 499.1
4
3
2
1
0
−1
−2

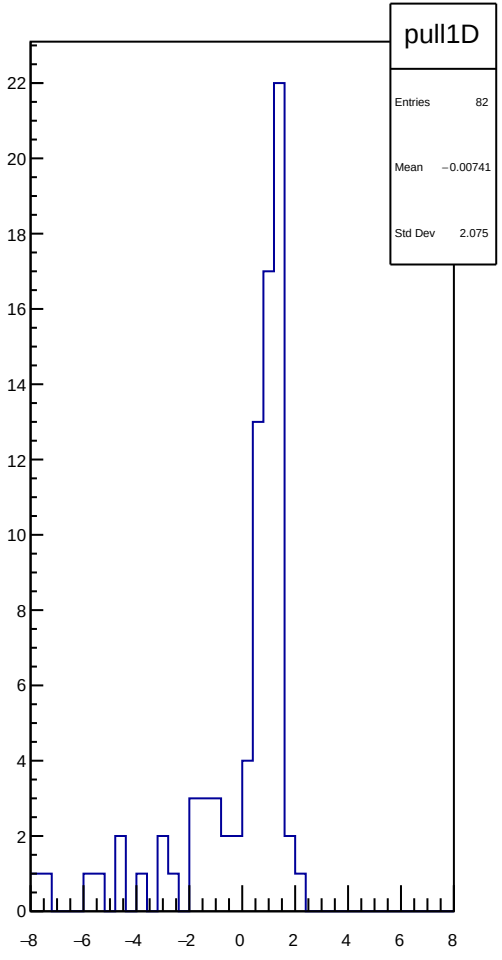

pull1D
Entries 82
Mean −0.04421
Std Dev 1.364
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

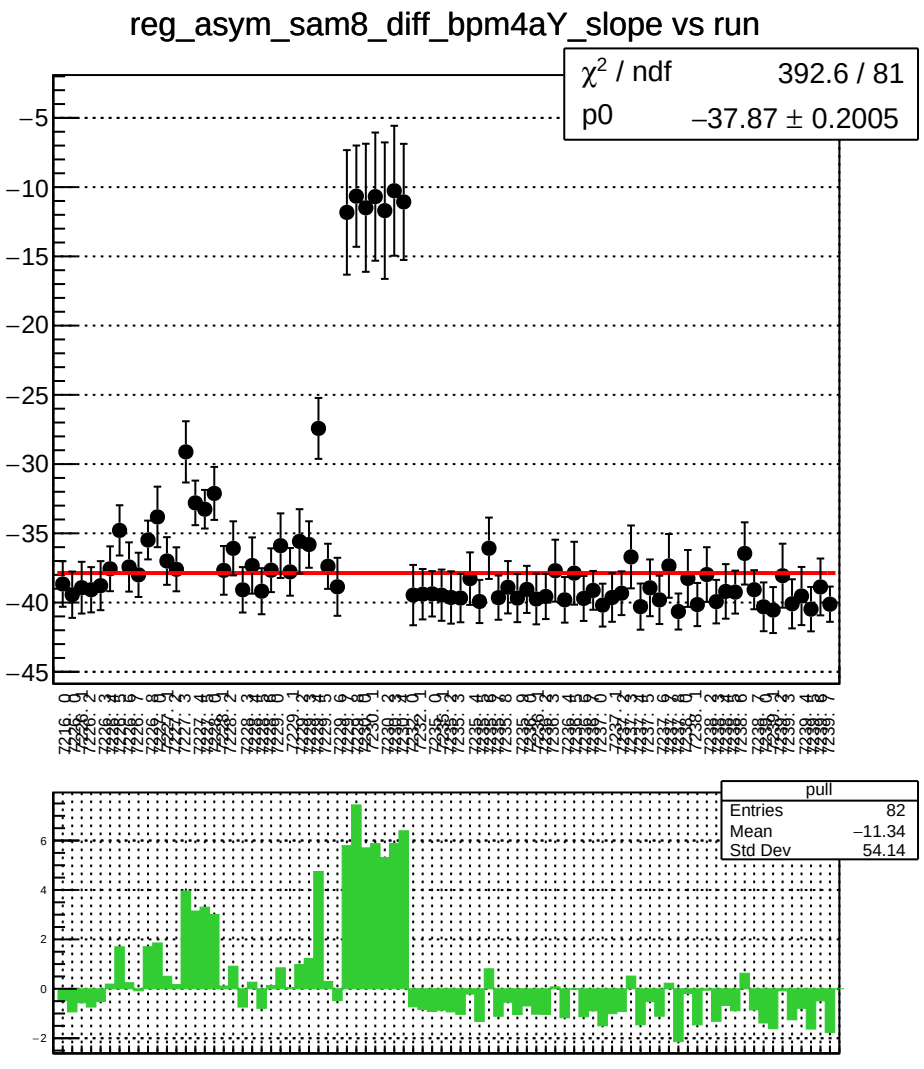

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 31.84 / 81
p0 −16.43 ± 0.2485
pull
Entries 82
Mean −941.6
Std Dev 982.6

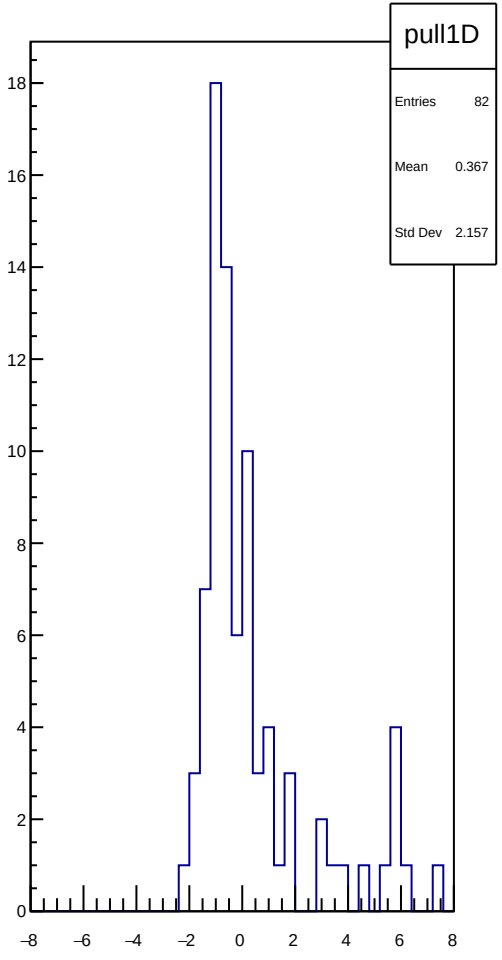

pull1D
Entries 82
Mean −0.00814
Std Dev 0.6231

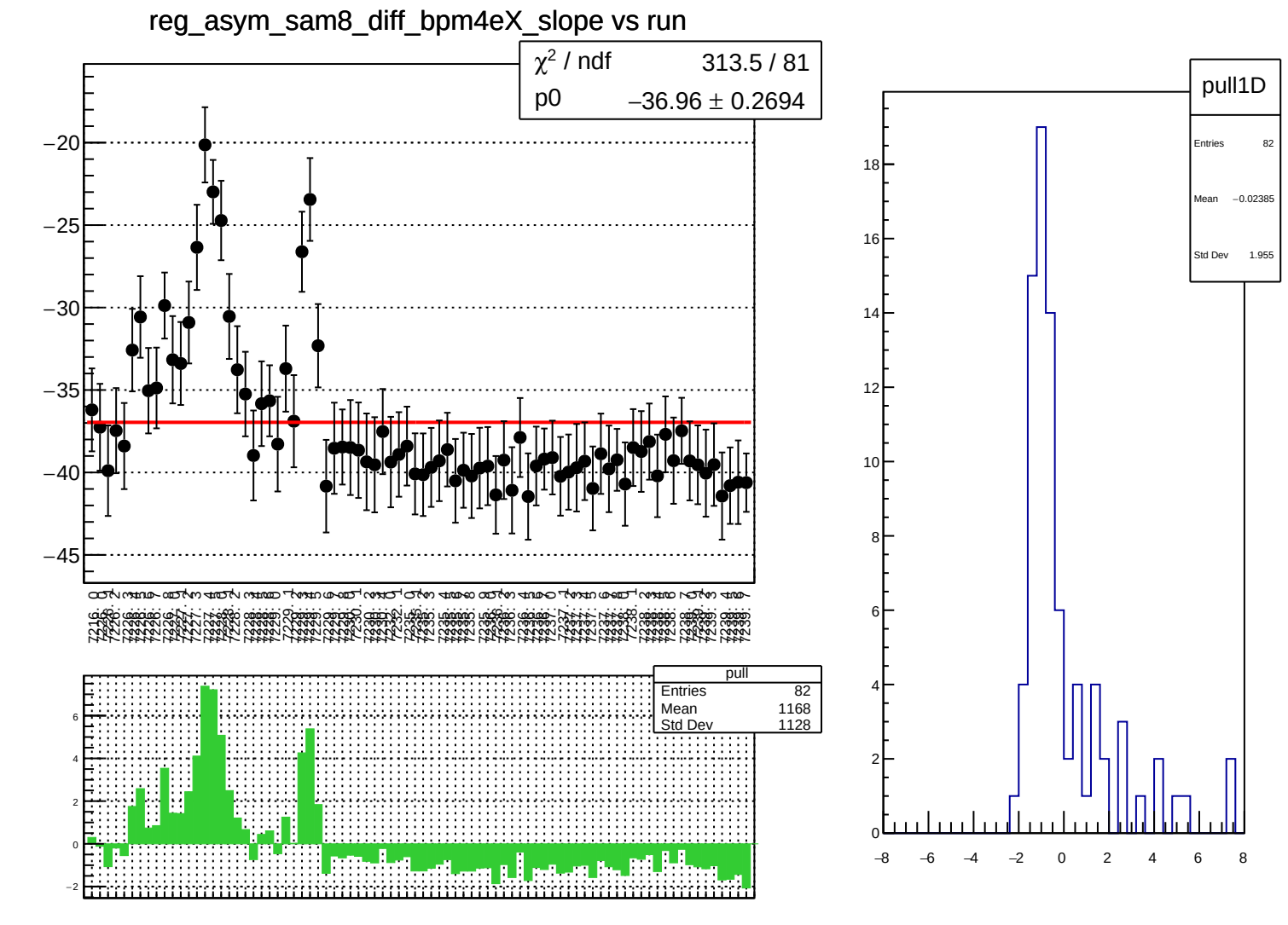

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 14.91 / 81
p0 0.3522 ± 0.01081
pull
Entries 82
Mean 228.6
Std Dev 222.2
pull1D
Entries 82
Mean −0.001865
Std Dev 0.4265

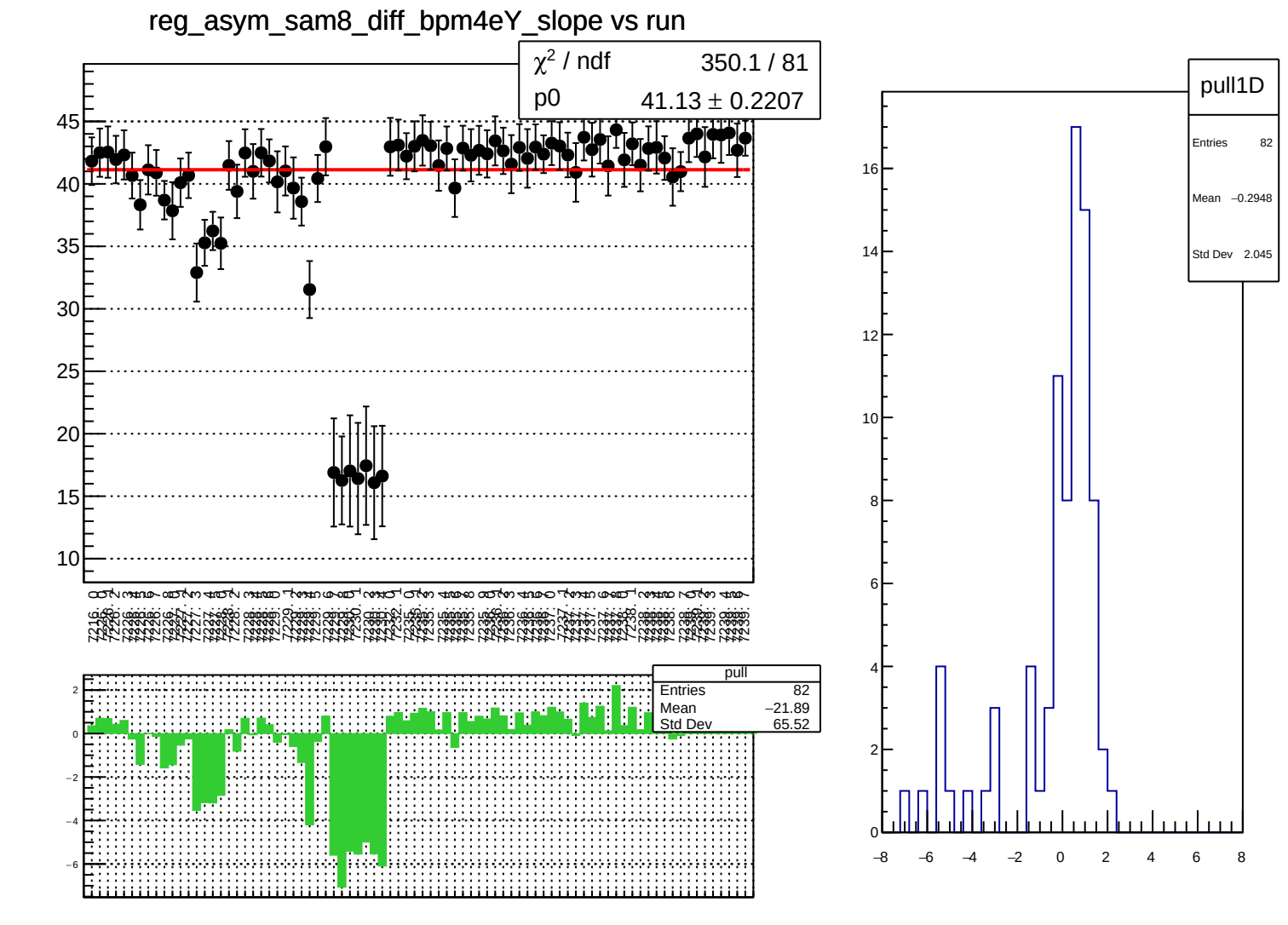

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 353.2 / 81
p0 8.251 ± 0.2631
pull
Entries 82
Mean −3939
Std Dev 3978

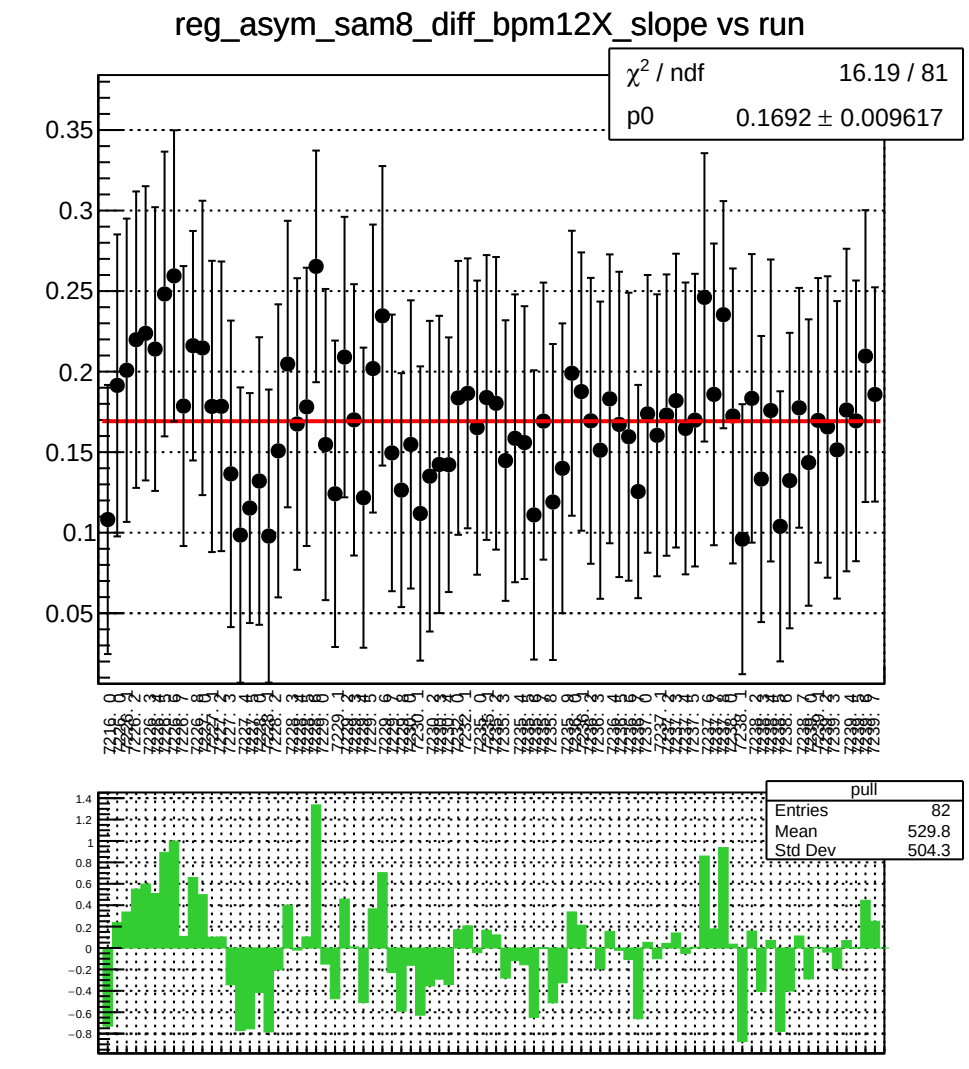

pull1D
Entries 82
Mean −0.00741
Std Dev 2.075

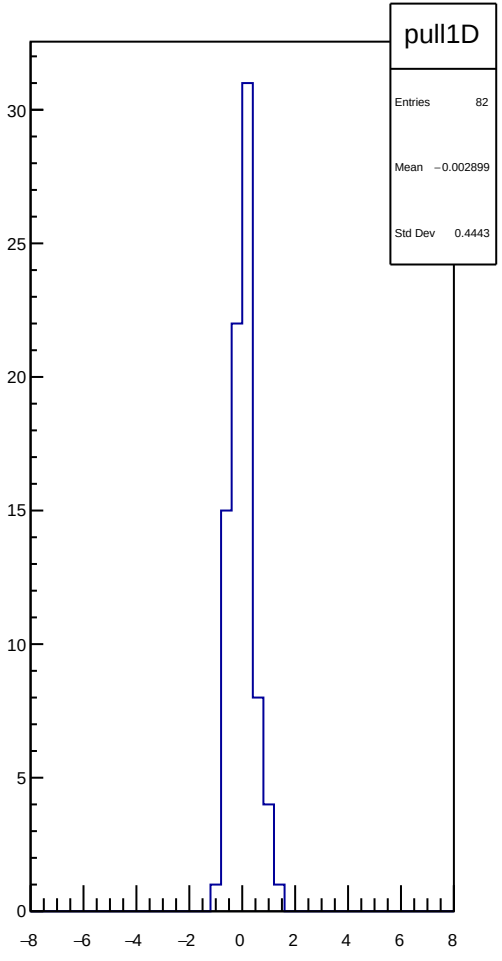

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 392.6 / 81
p0 −37.87 ± 0.2005
pull
Entries 82
Mean −11.34
Std Dev 54.14

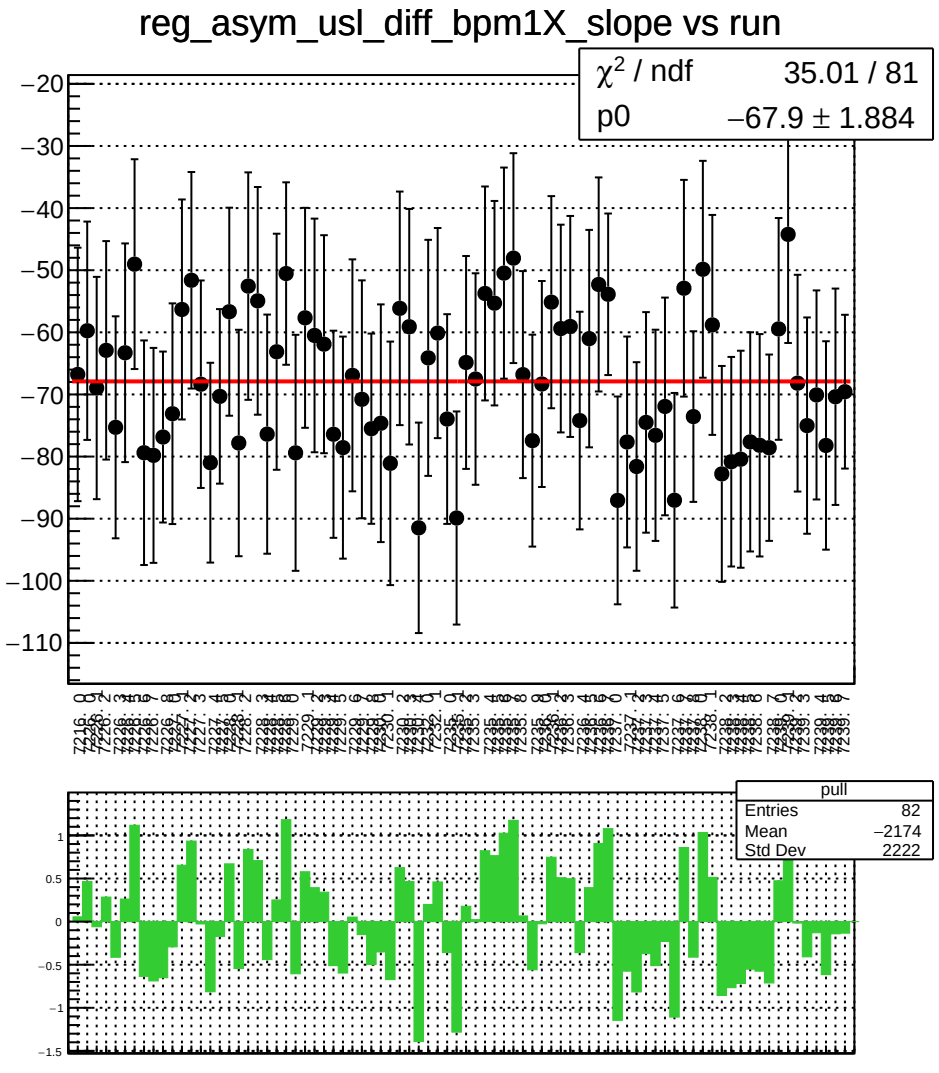

pull1D
Entries 82
Mean 0.367
Std Dev 2.157

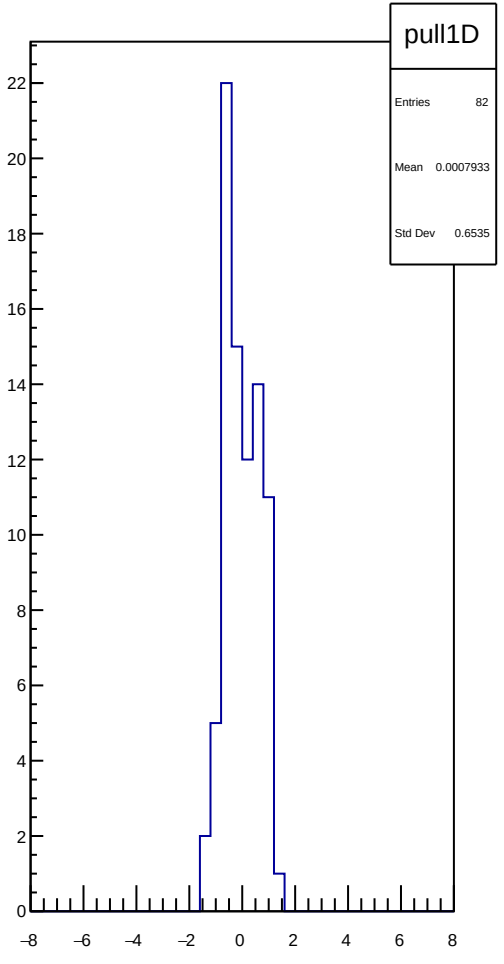

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 313.5 / 81
p0 −36.96 ± 0.2694
pull
Entries 82
Mean 1168
Std Dev 1128
pull1D
Entries 82
Mean −0.02385
Std Dev 1.955

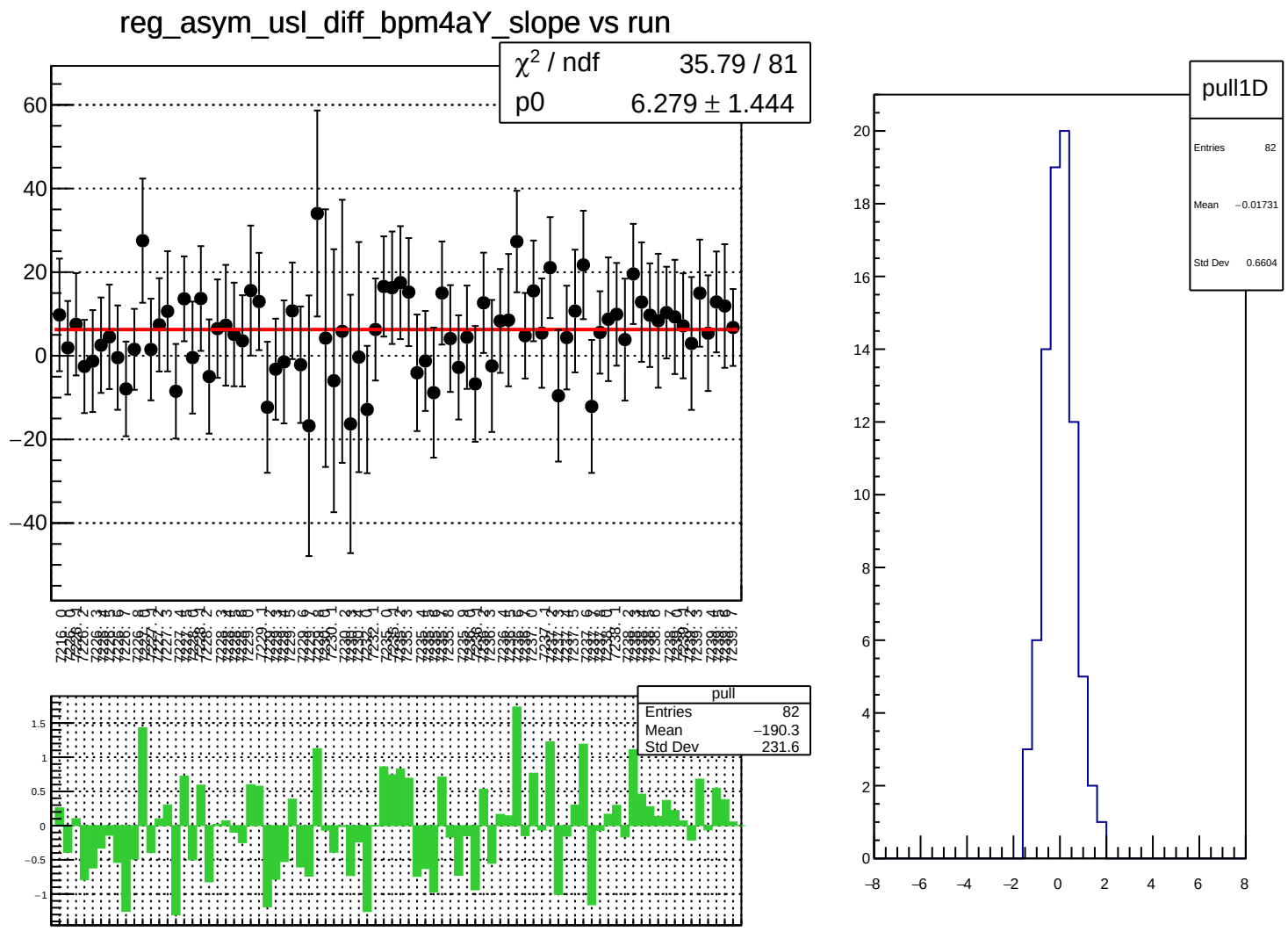

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 350.1 / 81
p0 41.13 ± 0.2207
pull
Entries 82
Mean −21.89
Std Dev 65.52
pull1D
Entries 82
Mean −0.2948
Std Dev 2.045

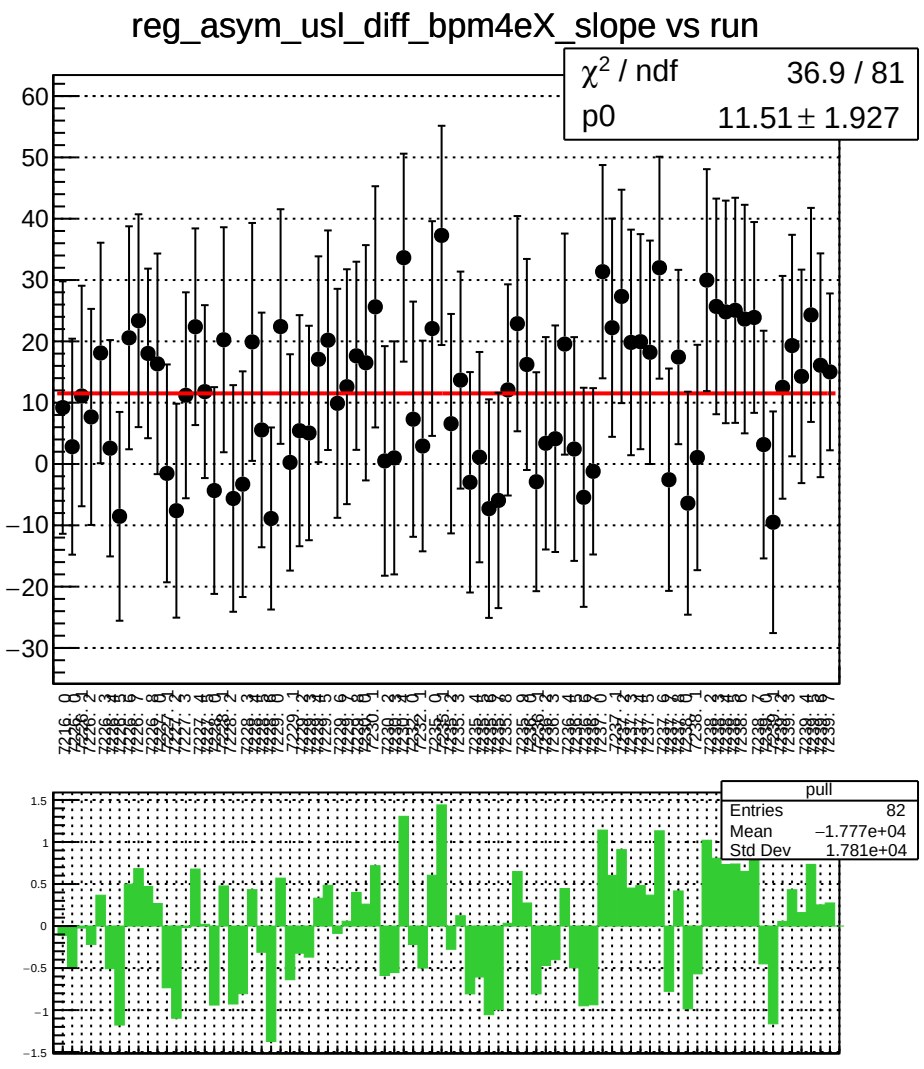

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 16.19 / 81
p0 0.1692 ± 0.009617
pull
Entries 82
Mean 529.8
Std Dev 504.3

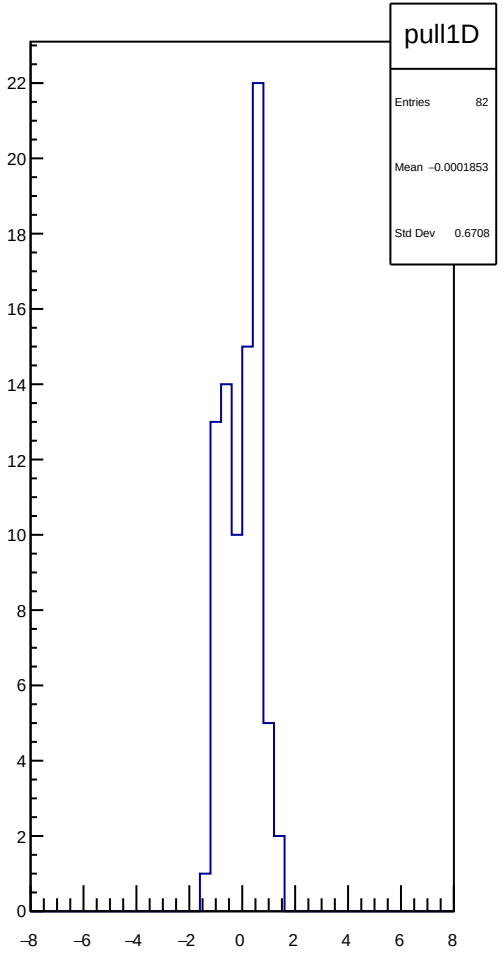

pull1D
Entries 82
Mean −0.002899
Std Dev 0.4443

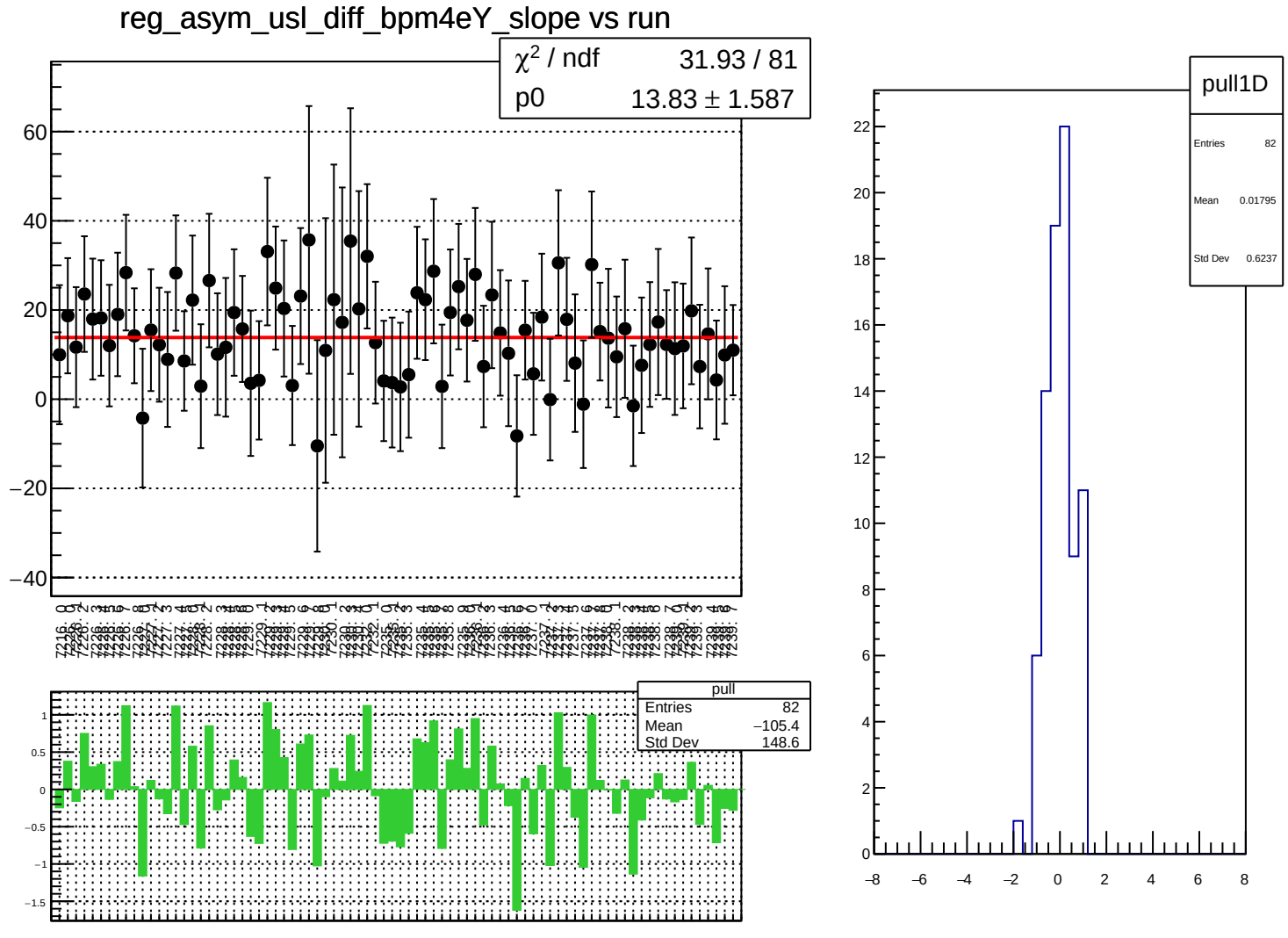

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 35.01 / 81
p0 −67.9 ± 1.884
pull
Entries 82
Mean −2174
Std Dev 2222

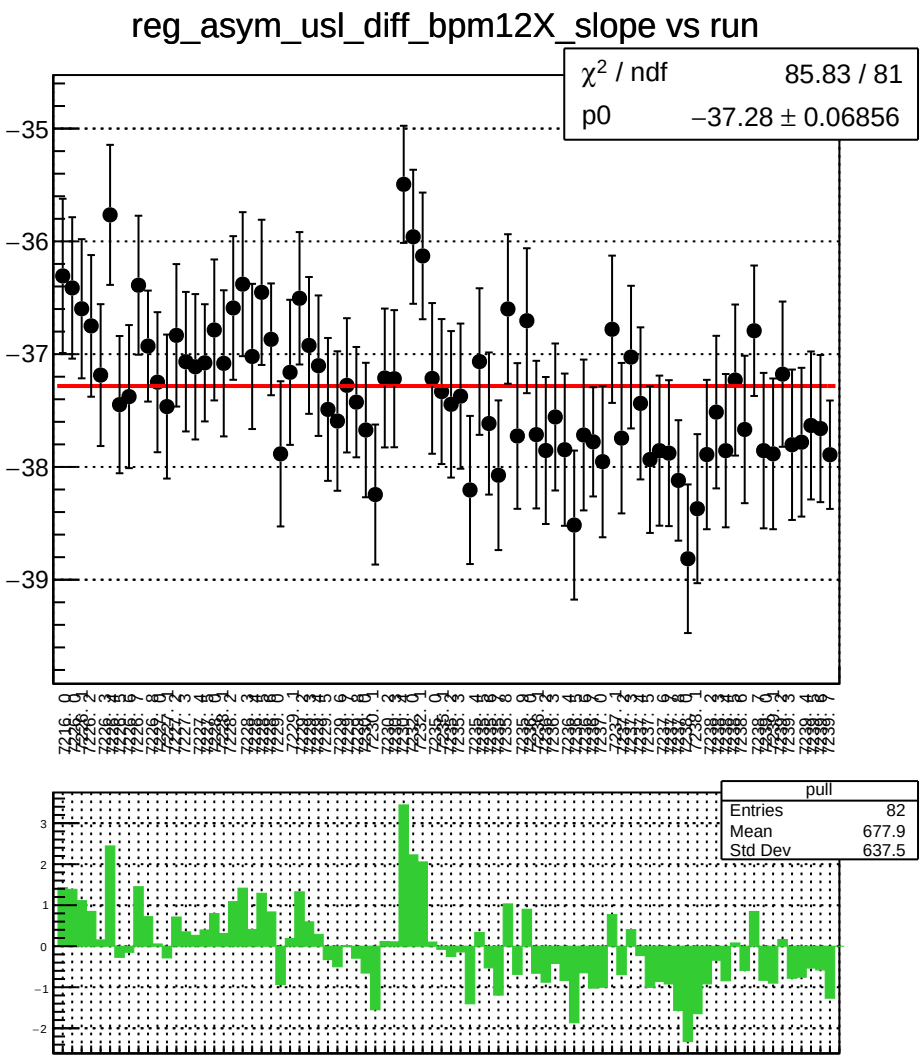

pull1D
Entries 82
Mean 0.0007933
Std Dev 0.6535

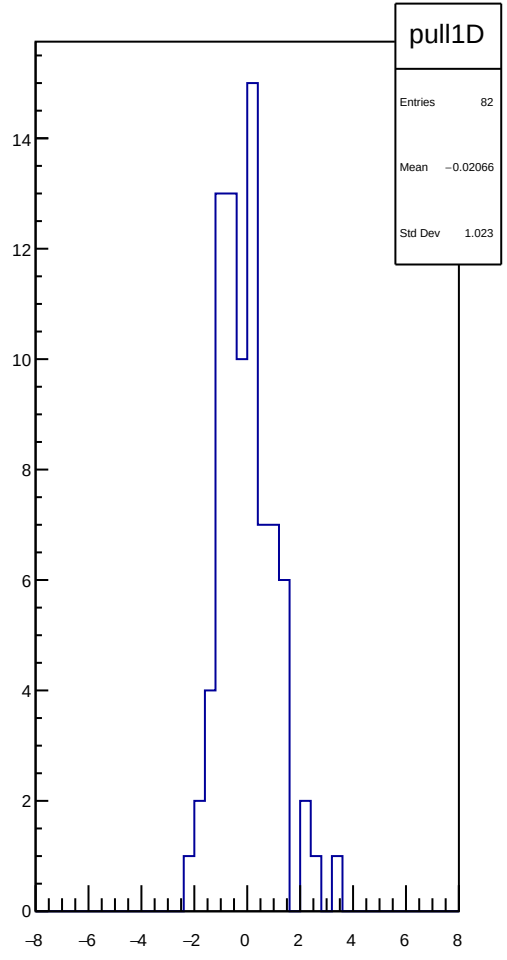

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 35.79 / 81
p0 6.279 ± 1.444
pull
Entries 82
Mean −190.3
Std Dev 231.6
pull1D
Entries 82
Mean −0.01731
Std Dev 0.6604

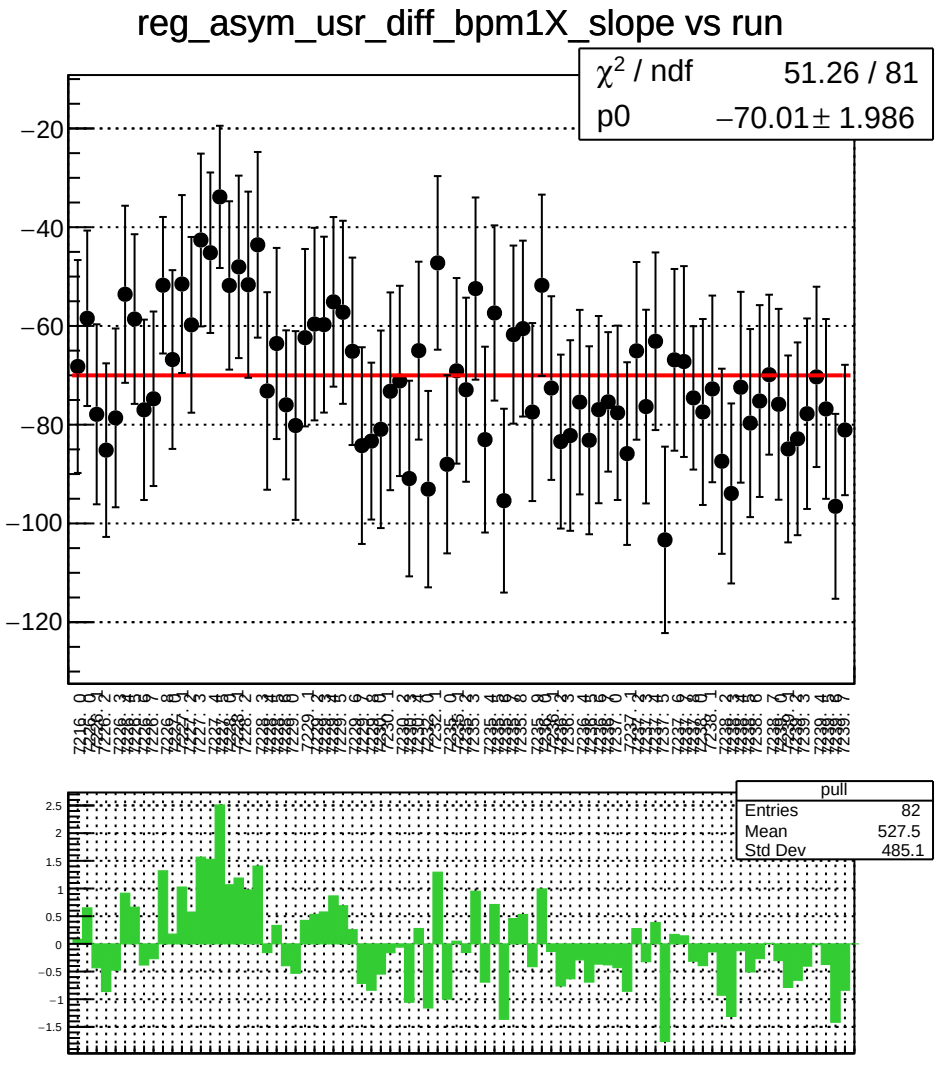

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 36.9 / 81
p0 11.51 ± 1.927
pull
Entries 82
Mean −1.777e+04
Std Dev 1.781e+04

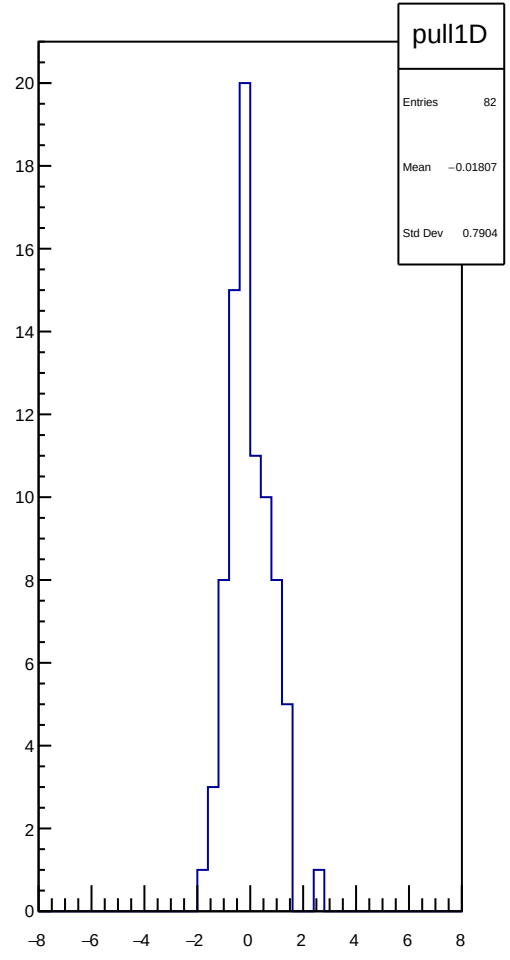

pull1D
Entries 82
Mean −0.0001853
Std Dev 0.6708

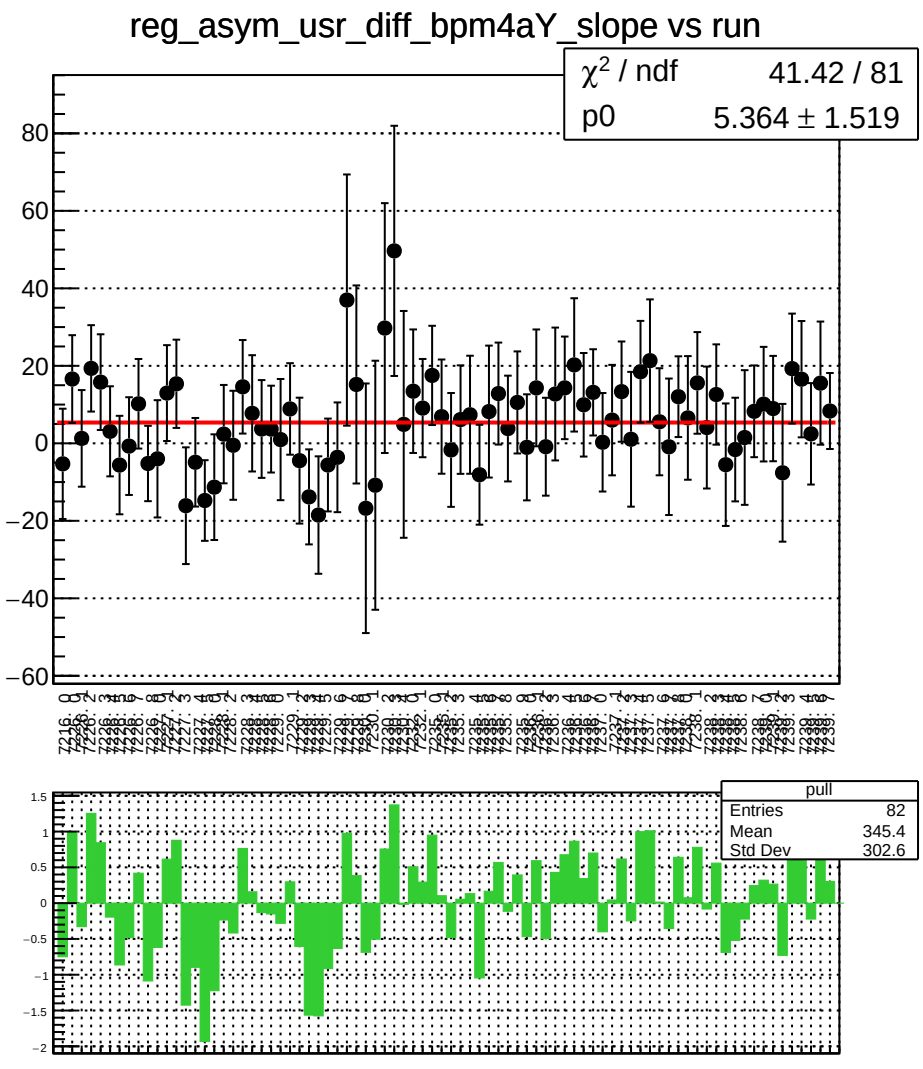

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 31.93 / 81
p0 13.83 ± 1.587
pull
Entries 82
Mean −105.4
Std Dev 148.6
pull1D
Entries 82
Mean 0.01795
Std Dev 0.6237

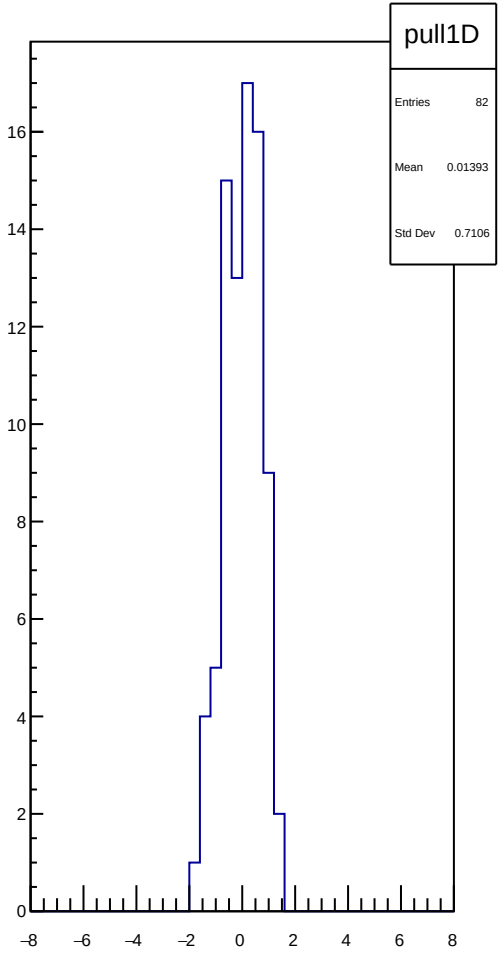

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 85.83 / 81
p0 −37.28 ± 0.06856
−35
−36
−37
−38
−39
pull
Entries 82
Mean 677.9
Std Dev 637.5
3
2
1
0
−1
−2

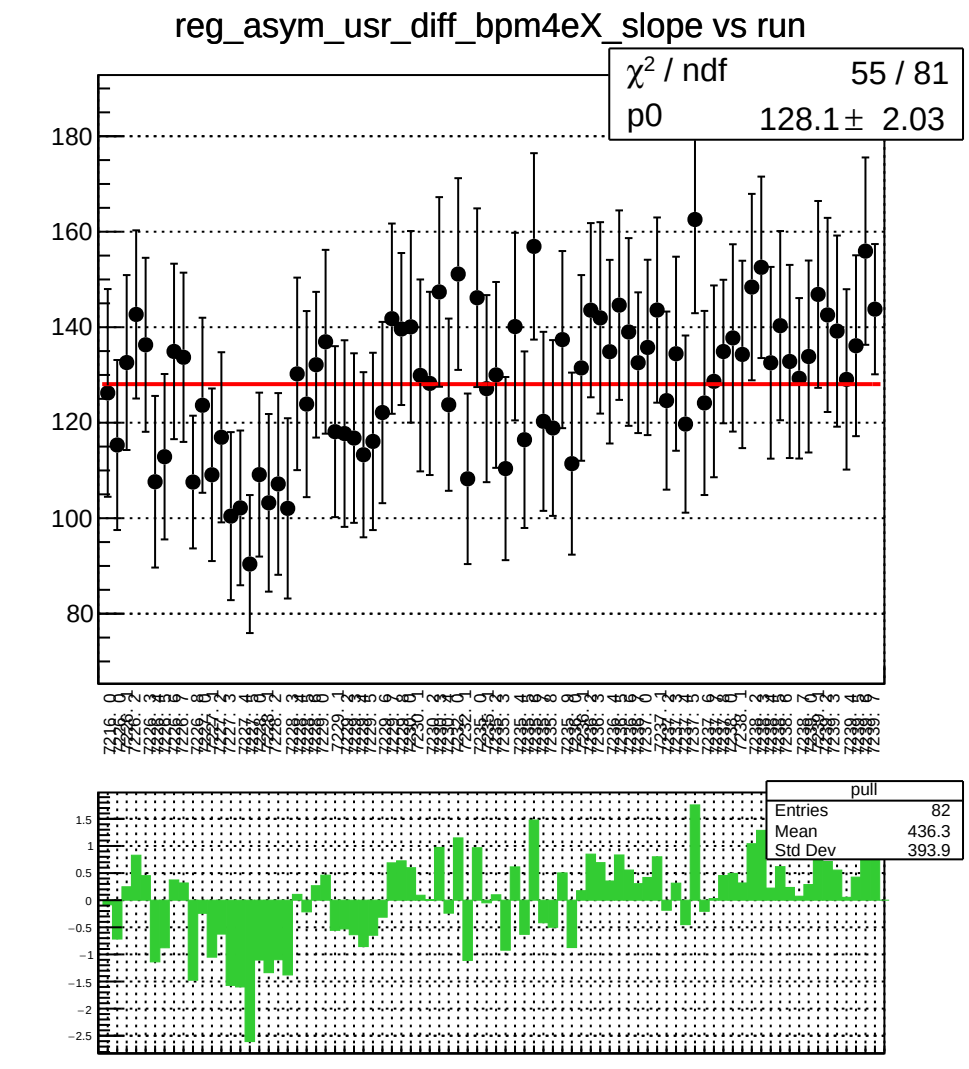

pull1D
Entries 82
Mean −0.02066
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

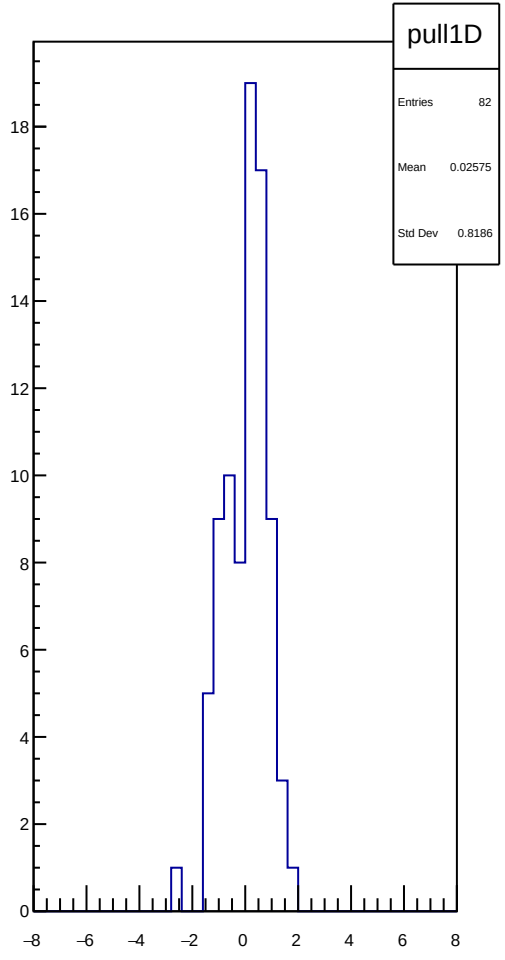

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 51.26 / 81
p0 −70.01 ± 1.986
pull
Entries 82
Mean 527.5
Std Dev 485.1

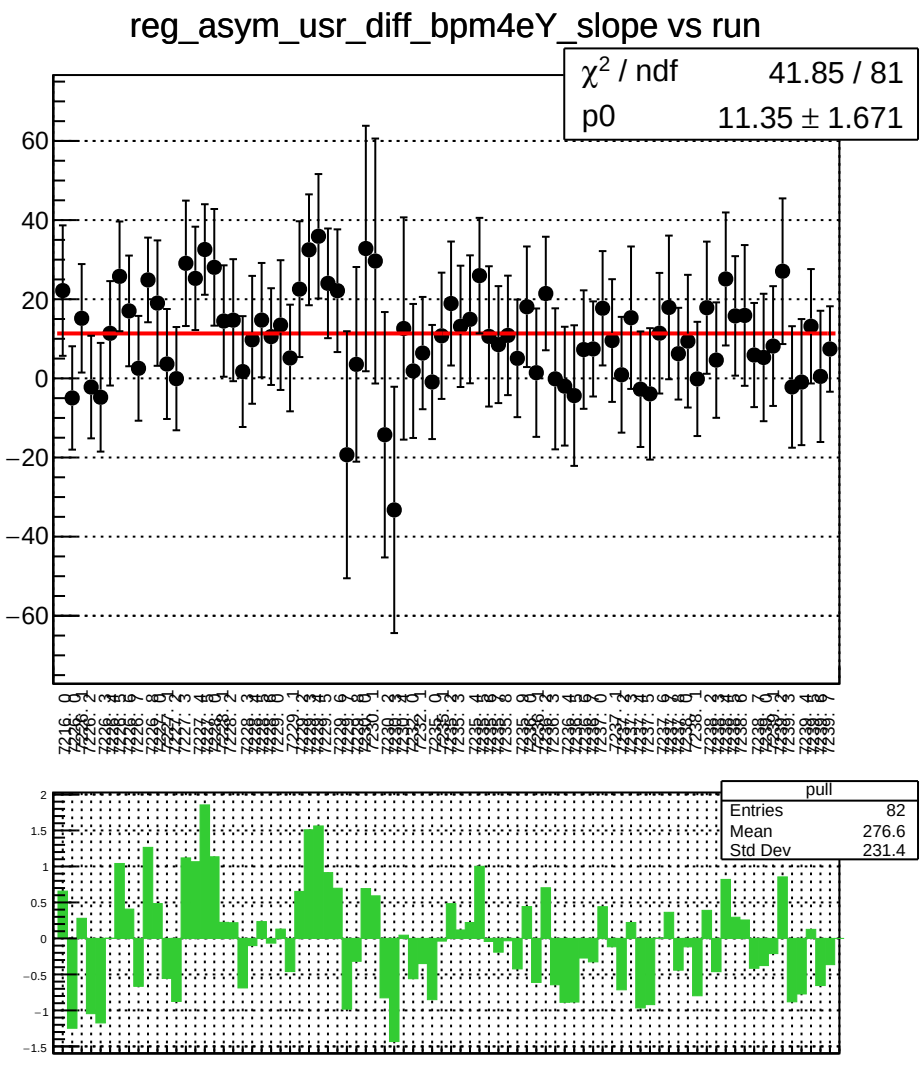

pull1D
Entries 82
Mean −0.01807
Std Dev 0.7904

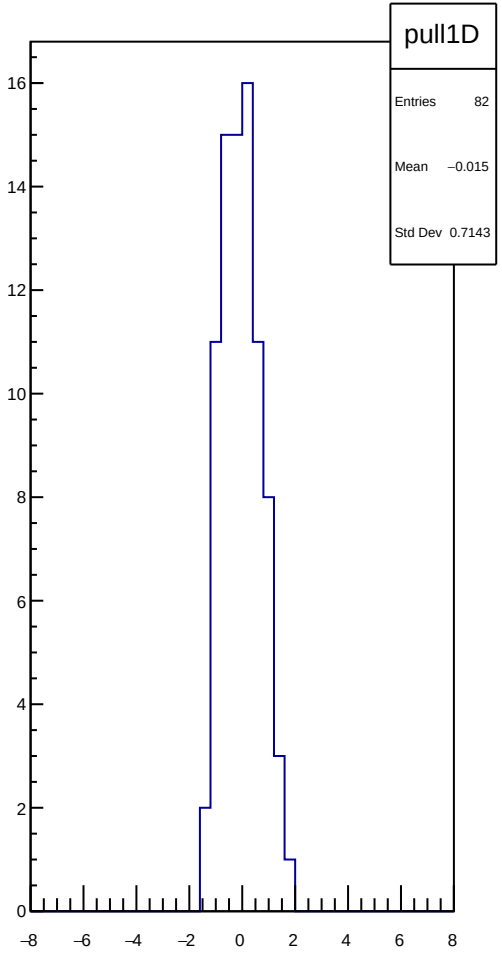

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 41.42 / 81
p0 5.364 ± 1.519
pull
Entries 82
Mean 345.4
Std Dev 302.6

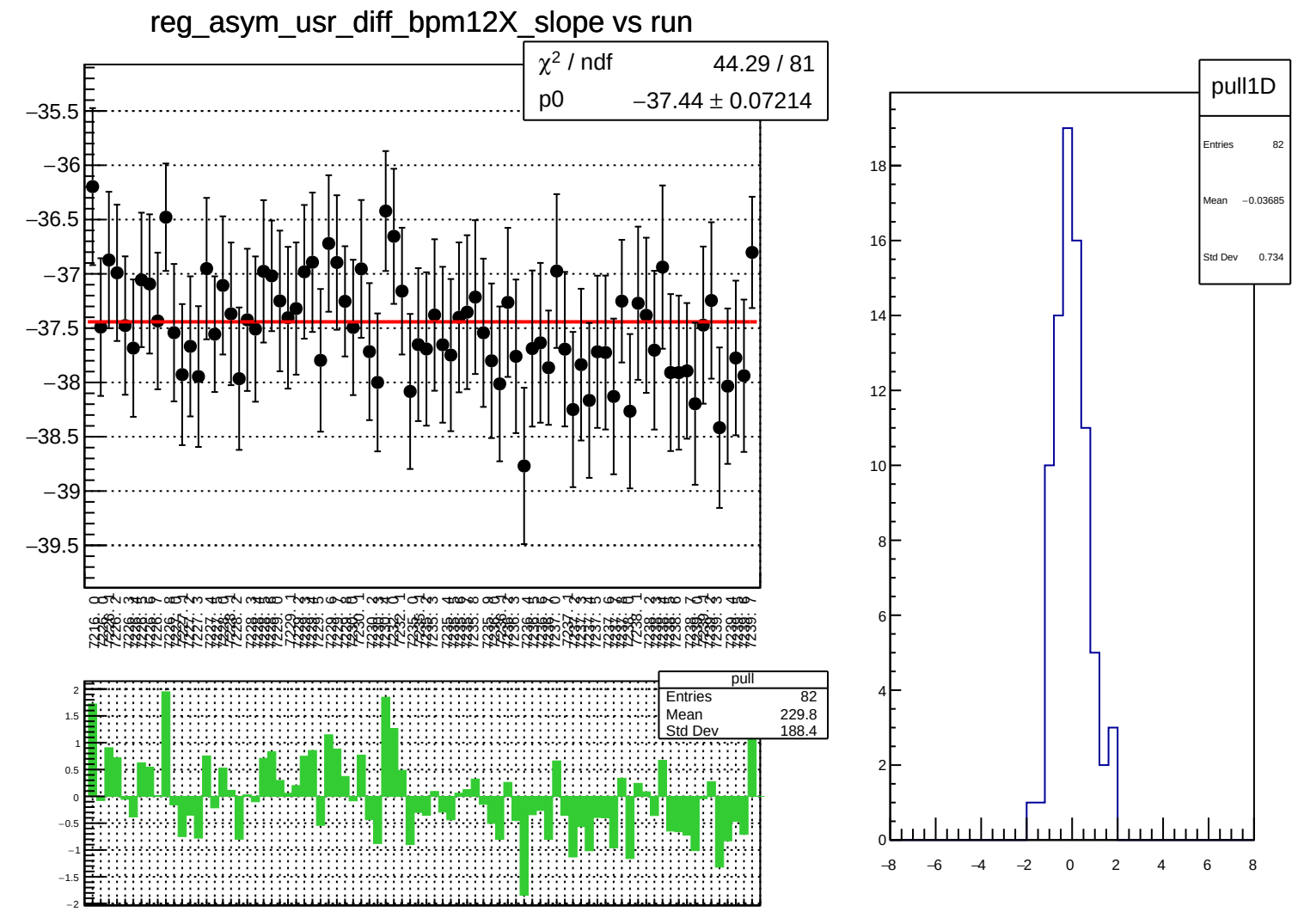

pull1D
Entries 82
Mean 0.01393
Std Dev 0.7106

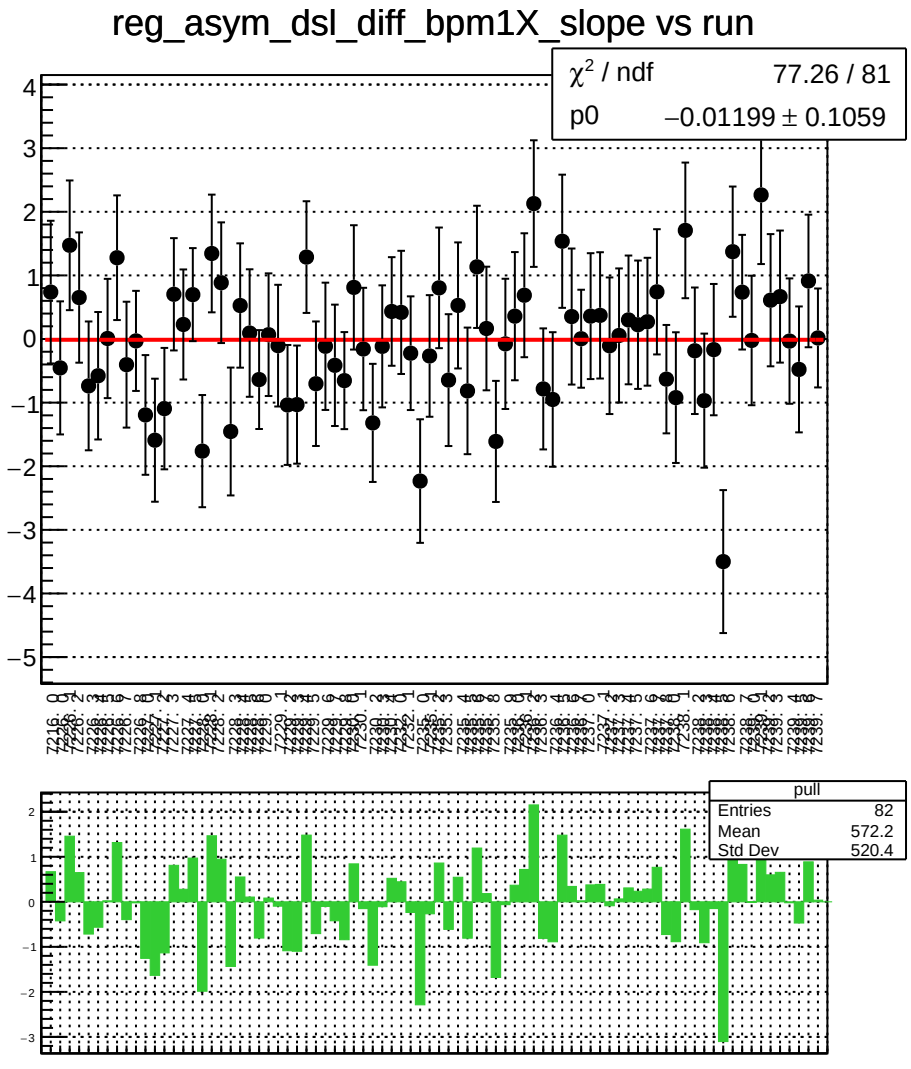

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 55 / 81
p0 128.1 ± 2.03
pull
Entries 82
Mean 436.3
Std Dev 393.9

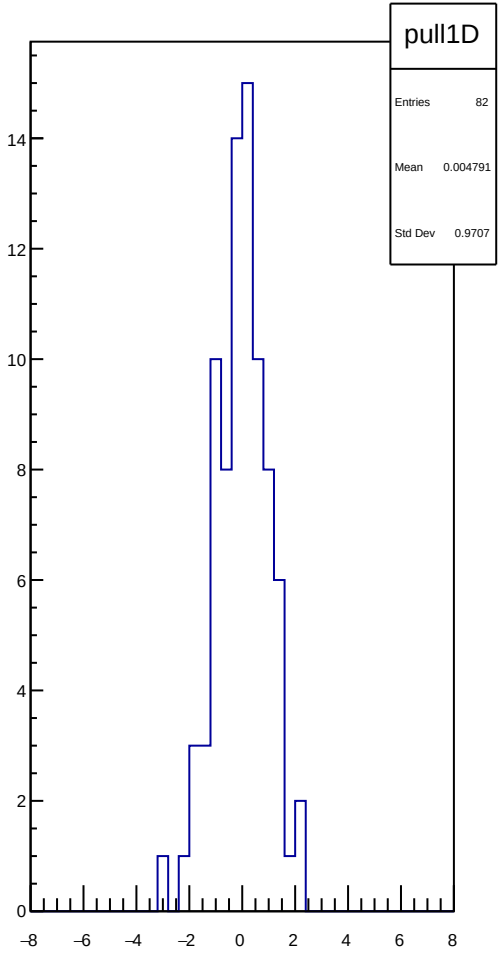

pull1D
Entries 82
Mean 0.02575
Std Dev 0.8186

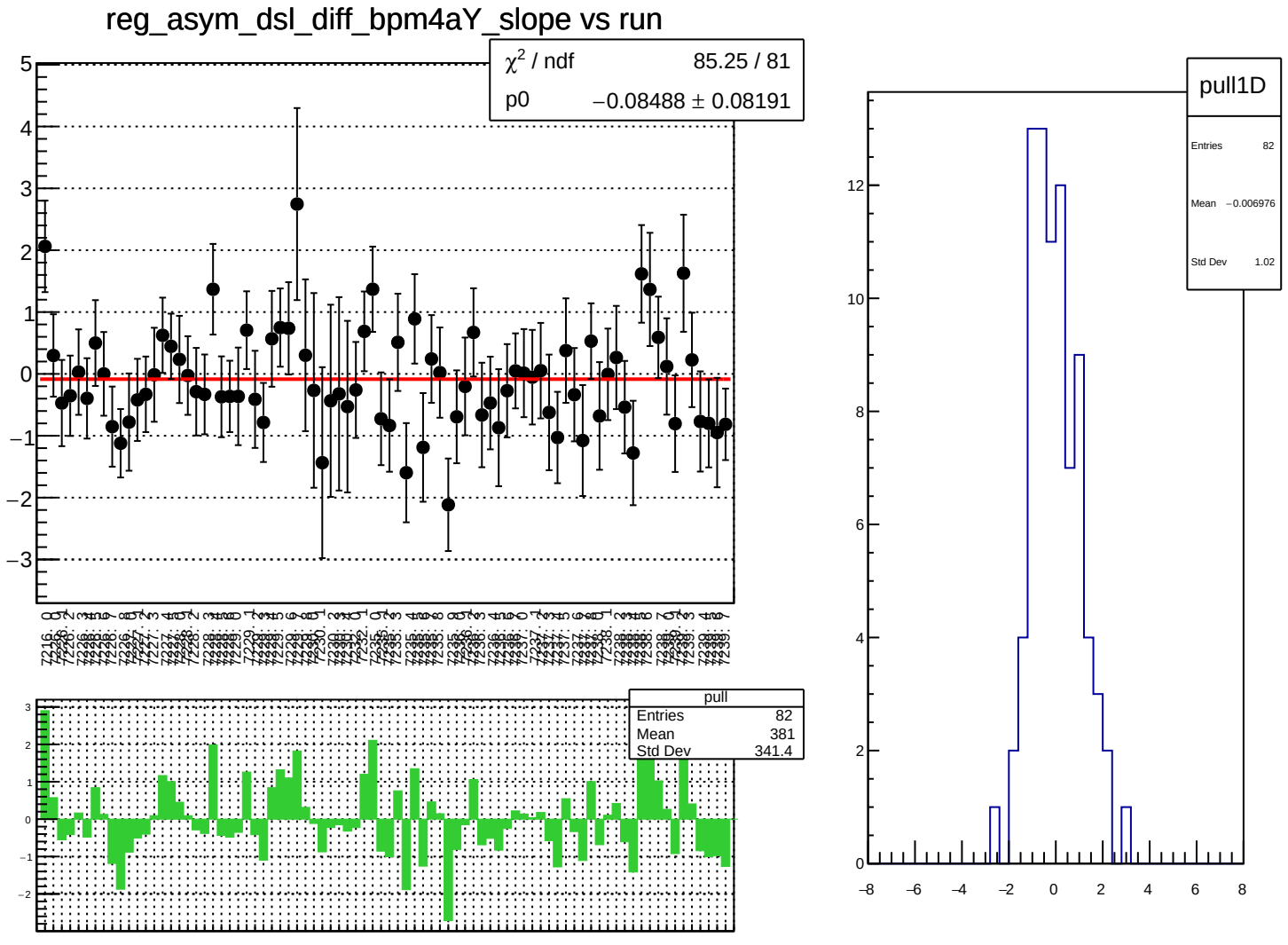

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 41.85 / 81
p0 11.35 ± 1.671
pull
Entries 82
Mean 276.6
Std Dev 231.4

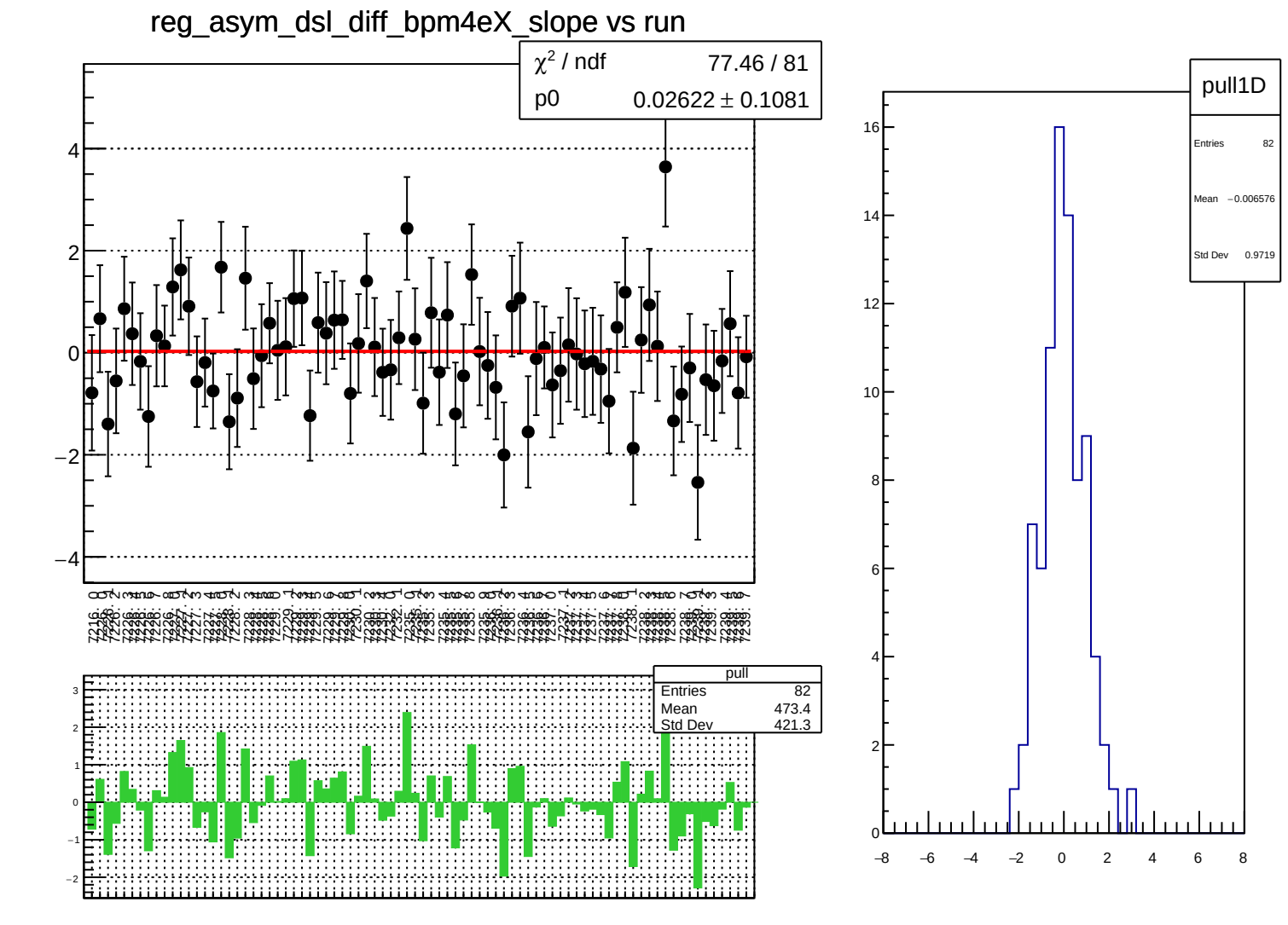

pull1D
Entries 82
Mean −0.015
Std Dev 0.7143

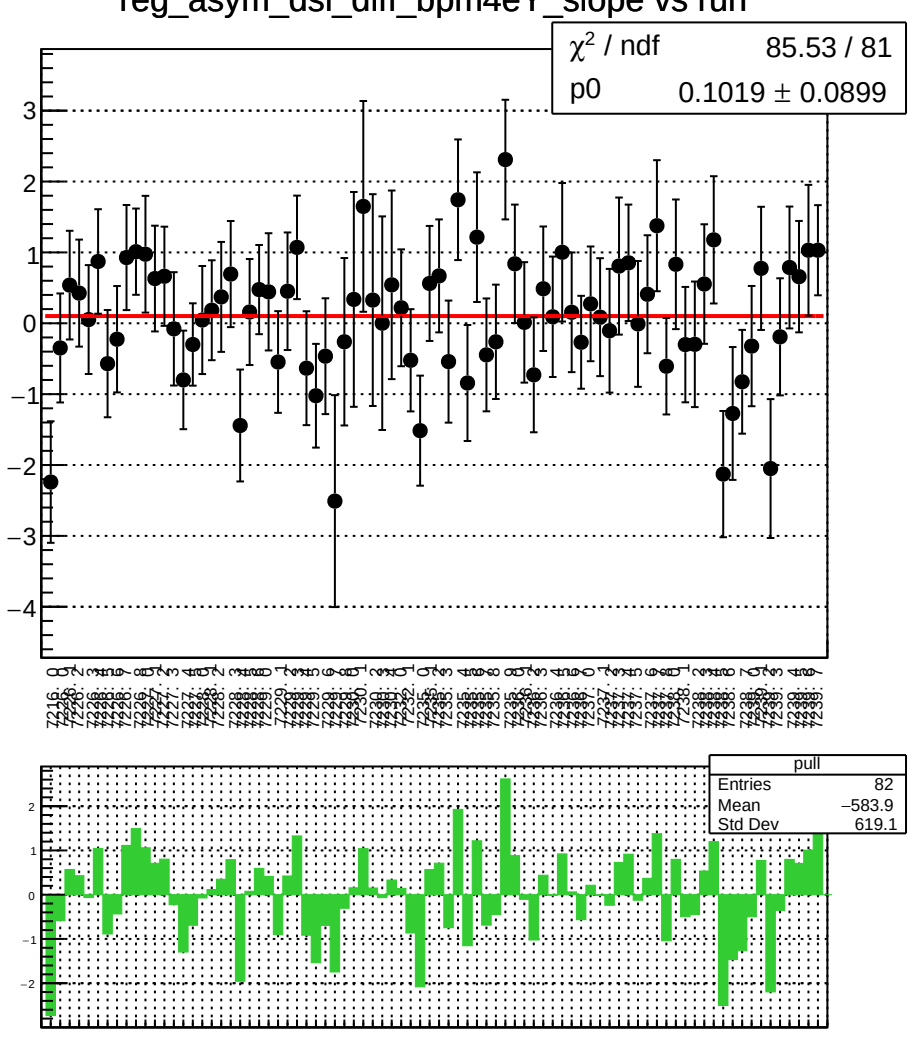

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 44.29 / 81
p0 −37.44 ± 0.07214
−35.5
−36
−36.5
−37
−37.5
−38
−38.5
−39
−39.5
pull
Entries 82
Mean 229.8
Std Dev 188.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.03685
Std Dev 0.734
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

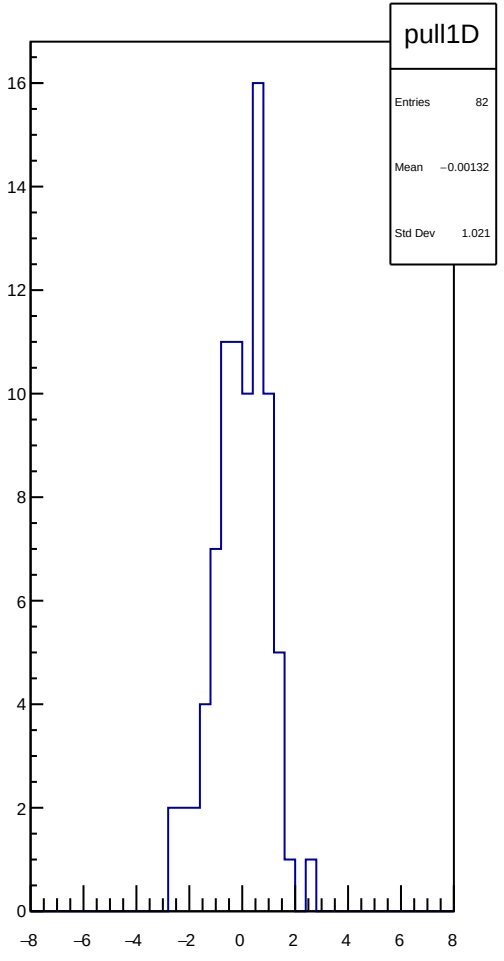

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 77.26 / 81
p0 −0.01199 ± 0.1059
pull
Entries 82
Mean 572.2
Std Dev 520.4

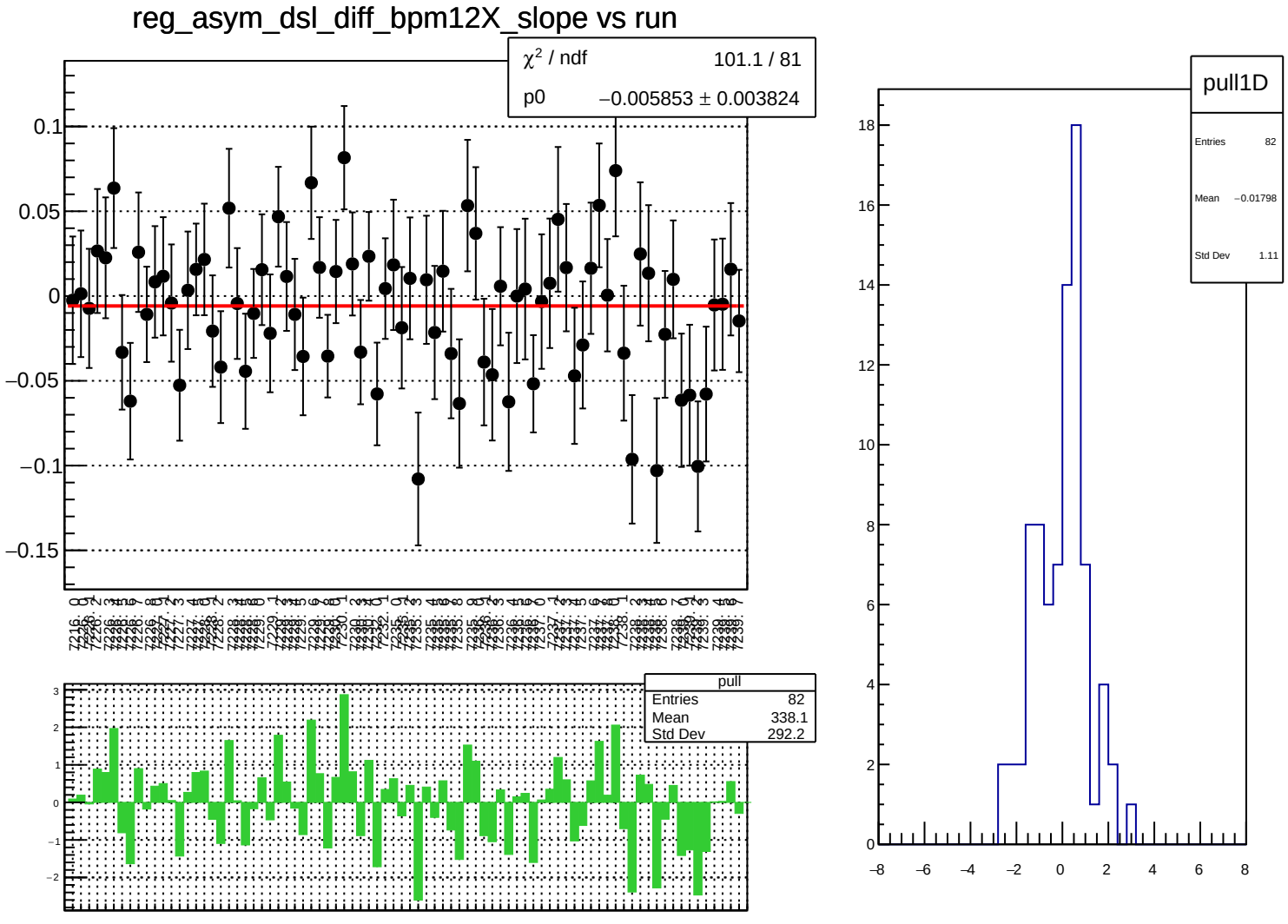

pull1D
Entries 82
Mean 0.004791
Std Dev 0.9707

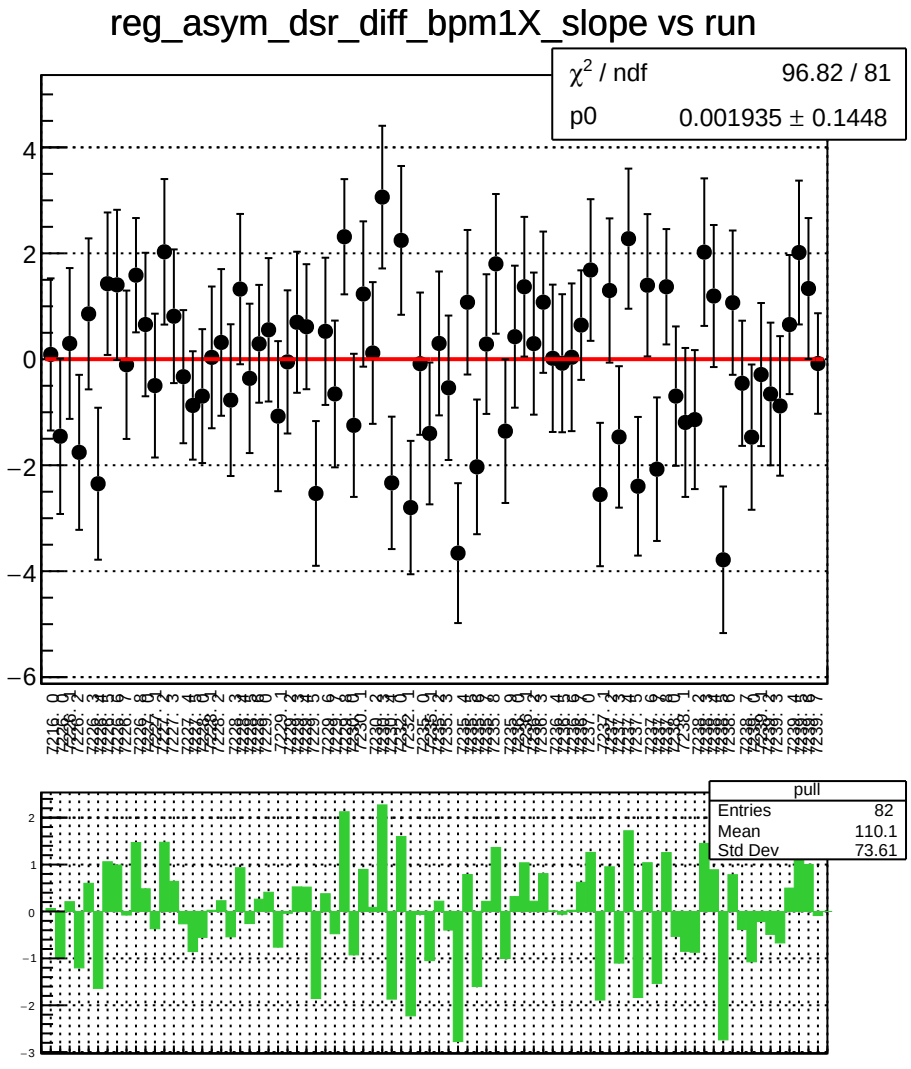

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 85.25 / 81
p0 −0.08488 ± 0.08191
pull
Entries 82
Mean 381
Std Dev 341.4
pull1D
Entries 82
Mean −0.006976
Std Dev 1.02

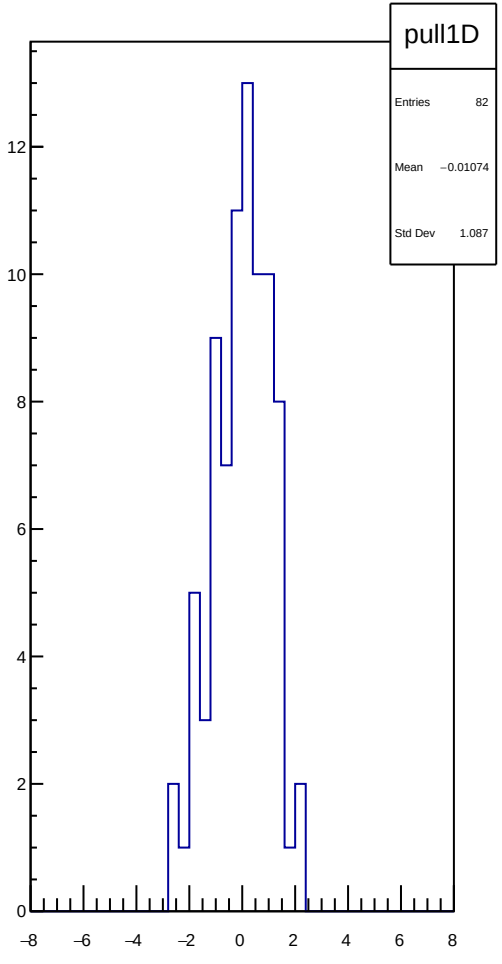

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 77.46 / 81
p0 0.02622 ± 0.1081
pull
Entries 82
Mean 473.4
Std Dev 421.3
pull1D
Entries 82
Mean −0.006576
Std Dev 0.9719

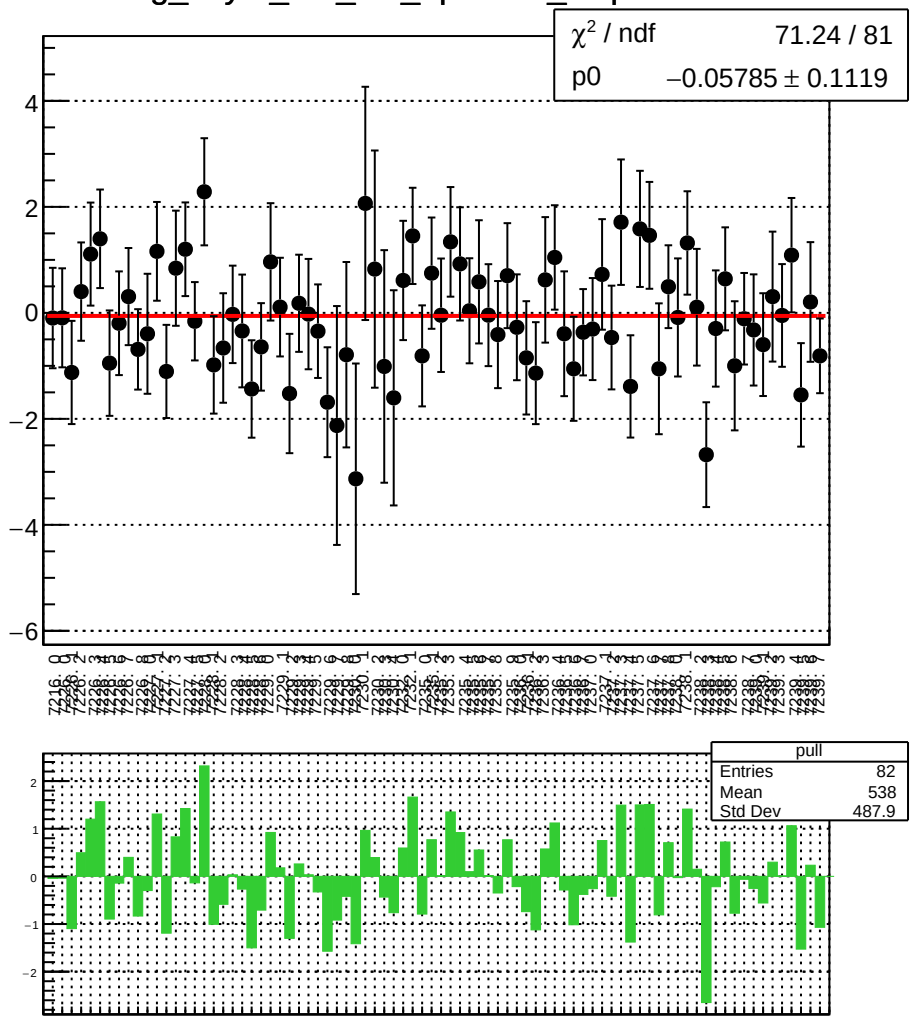

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 85.53 / 81
p0 0.1019 ± 0.0899
pull
Entries 82
Mean −583.9
Std Dev 619.1

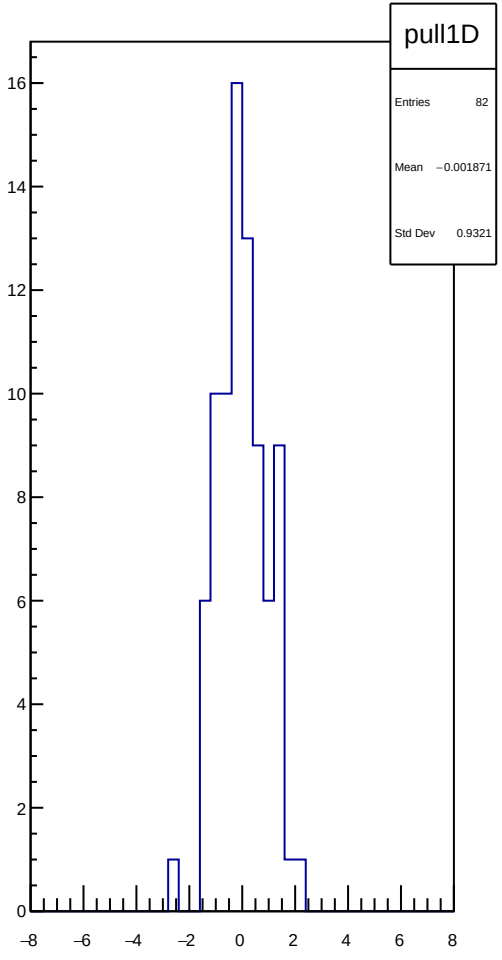

pull1D
Entries 82
Mean −0.00132
Std Dev 1.021

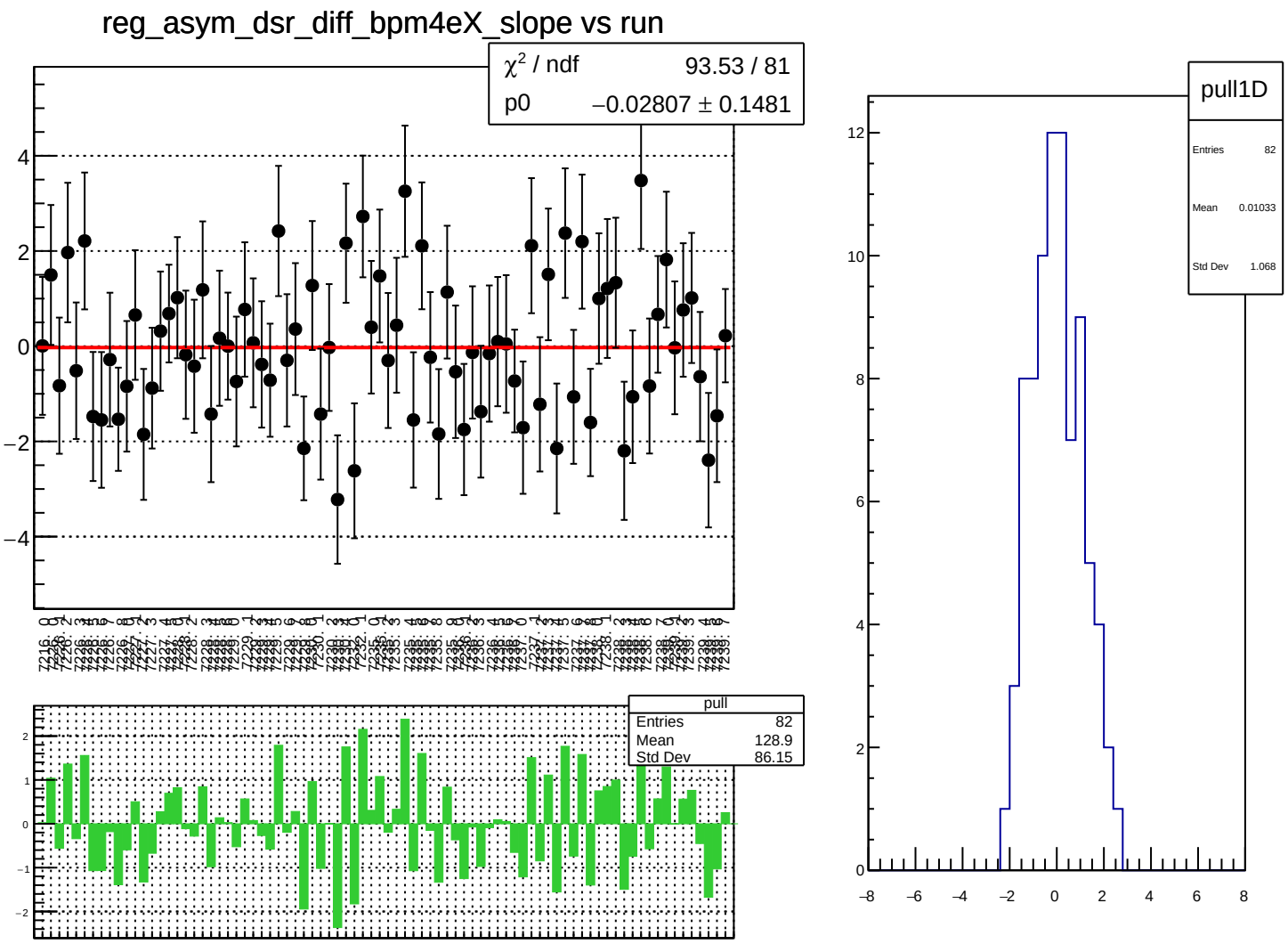

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 101.1 / 81
p0 −0.005853 ± 0.003824
pull
Entries 82
Mean 338.1
Std Dev 292.2
pull1D
Entries 82
Mean −0.01798
Std Dev 1.11

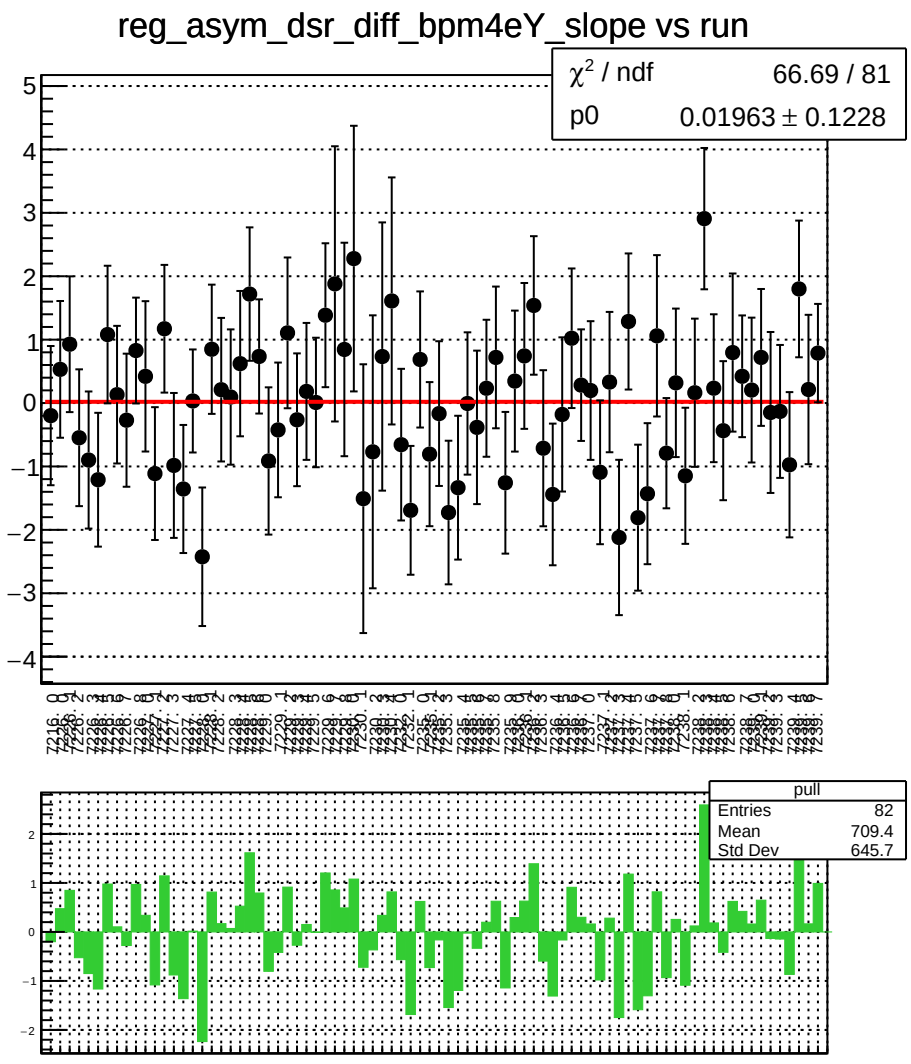

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 96.82 / 81
p0 0.001935 ± 0.1448
pull
Entries 82
Mean 110.1
Std Dev 73.61

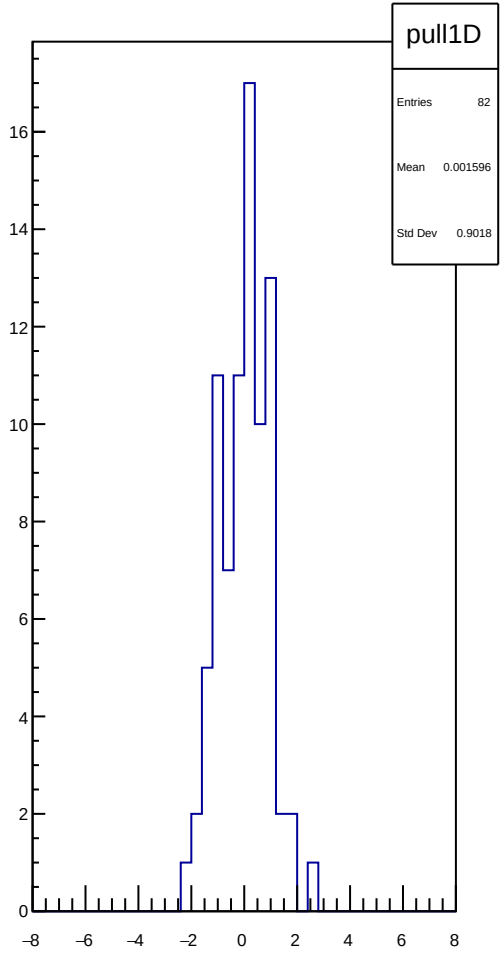

pull1D
Entries 82
Mean −0.01074
Std Dev 1.087

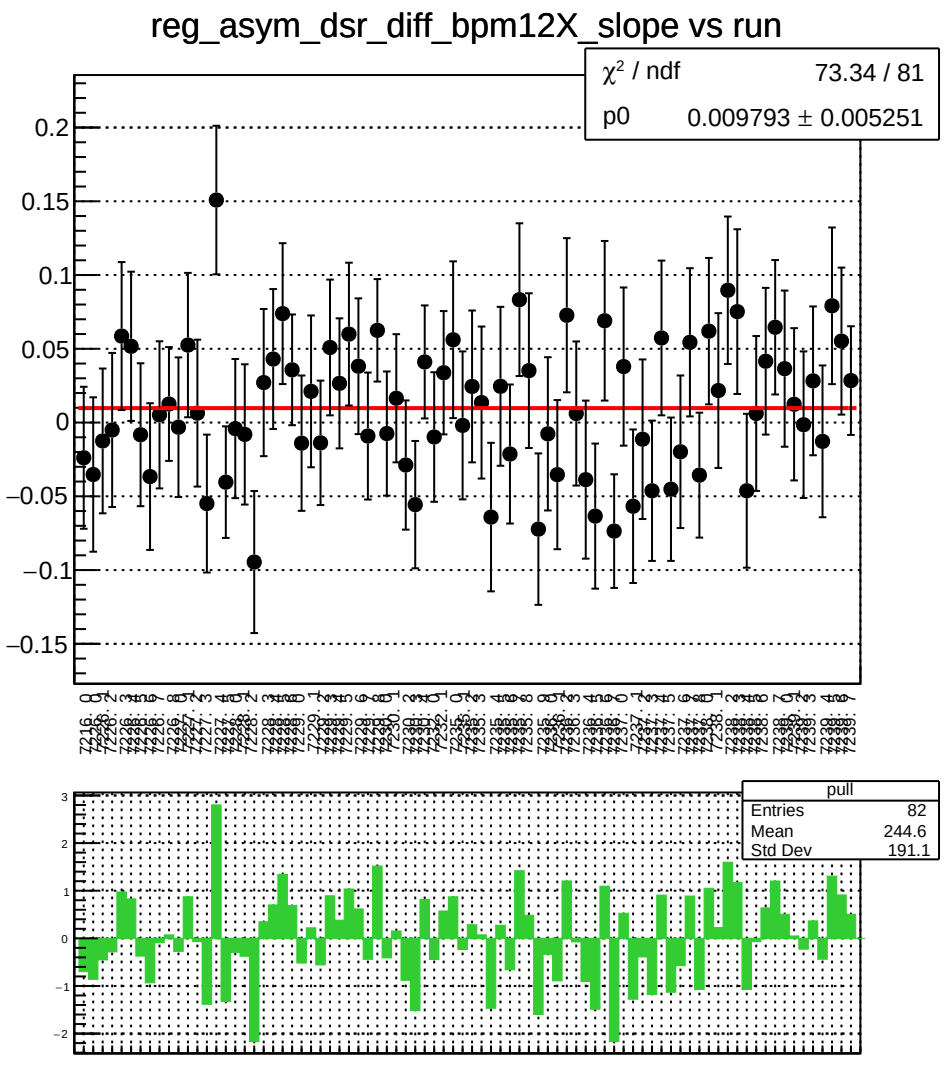

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 71.24 / 81
p0 −0.05785 ± 0.1119
pull
Entries 82
Mean 538
Std Dev 487.9

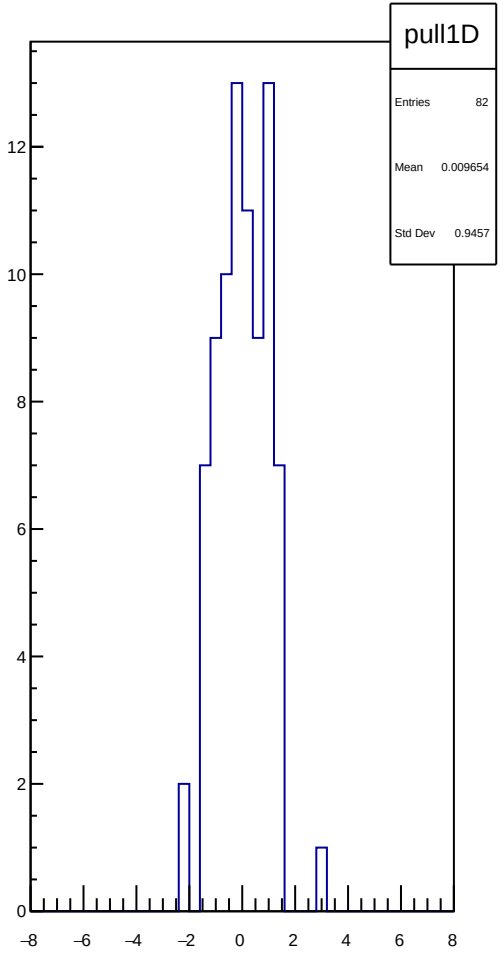

pull1D
Entries 82
Mean −0.001871
Std Dev 0.9321

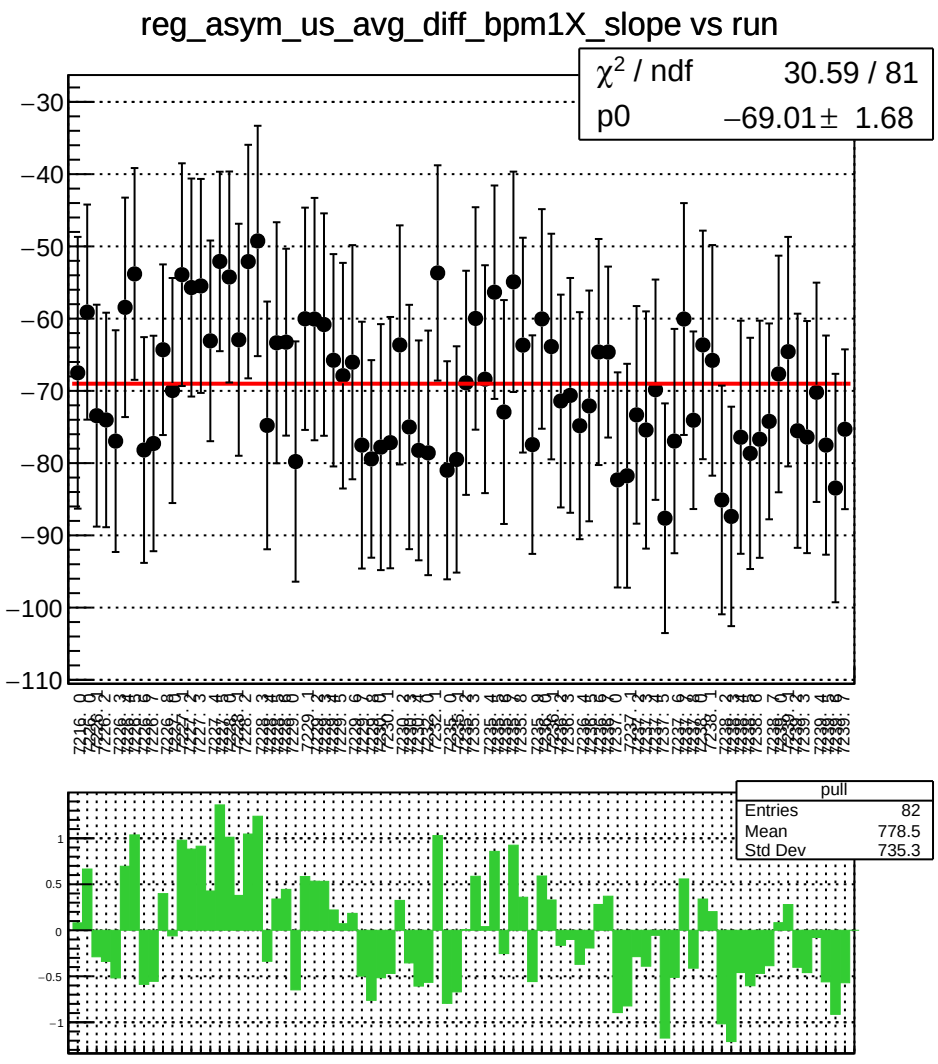

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 93.53 / 81
p0 −0.02807 ± 0.1481
pull
Entries 82
Mean 128.9
Std Dev 86.15
pull1D
Entries 82
Mean 0.01033
Std Dev 1.068

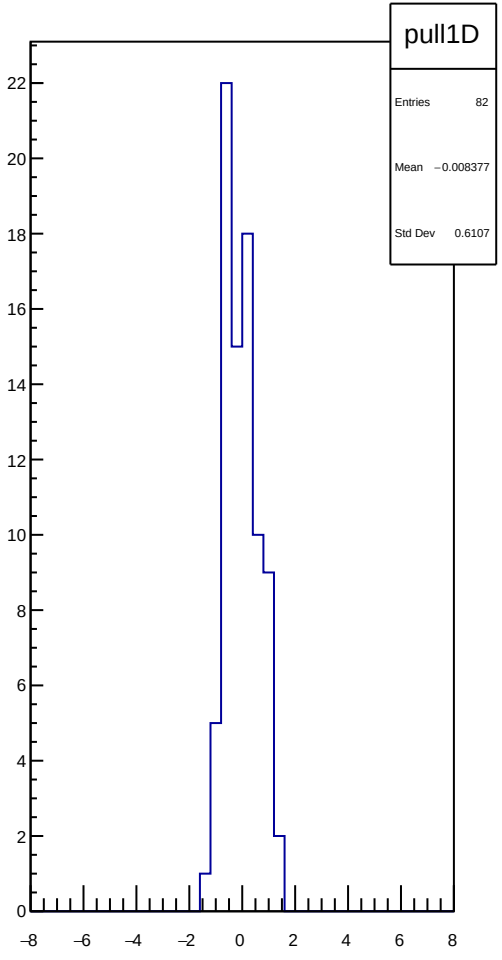

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 66.69 / 81
p0 0.01963 ± 0.1228
pull
Entries 82
Mean 709.4
Std Dev 645.7

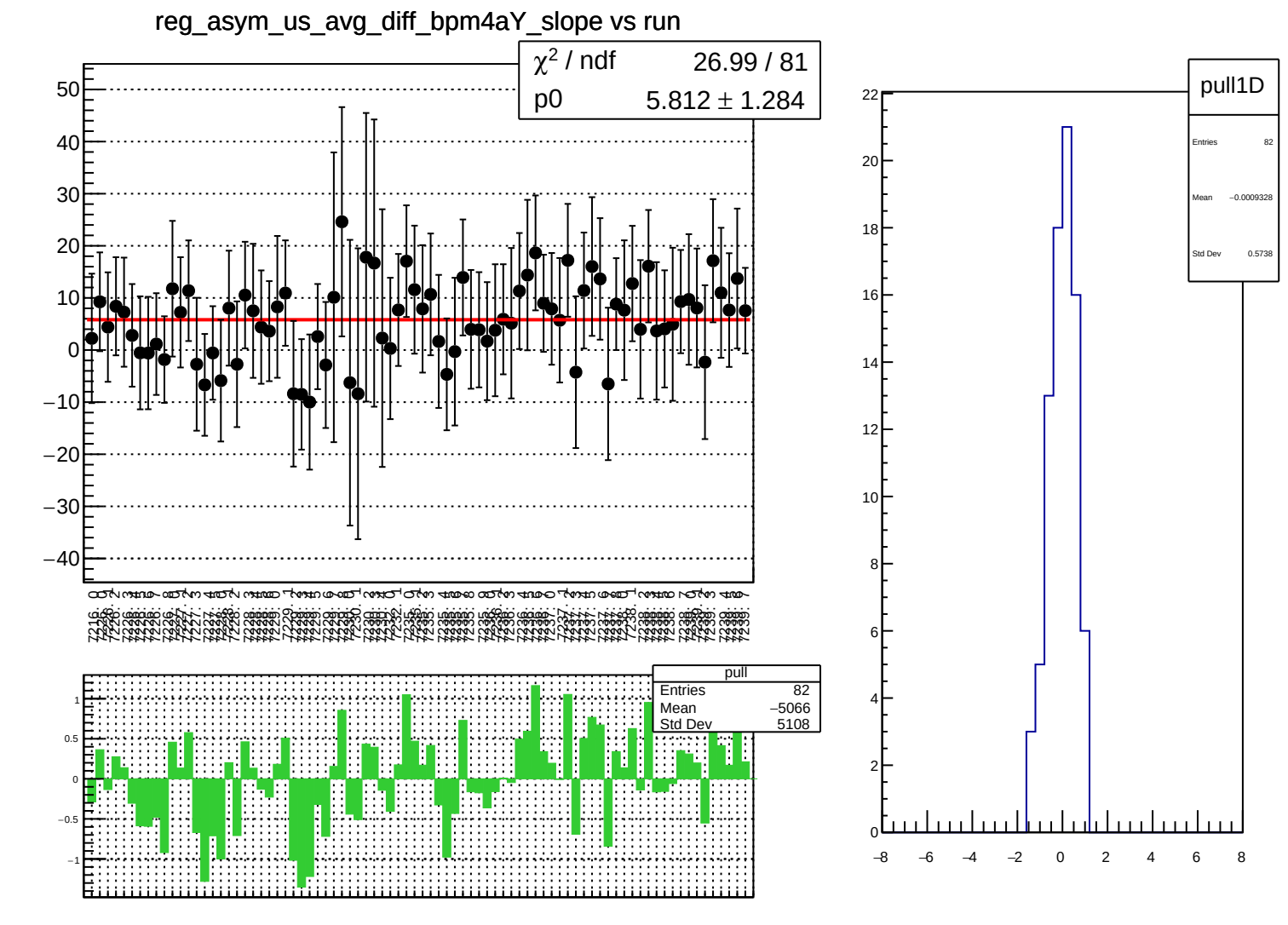

pull1D
Entries 82
Mean 0.001596
Std Dev 0.9018

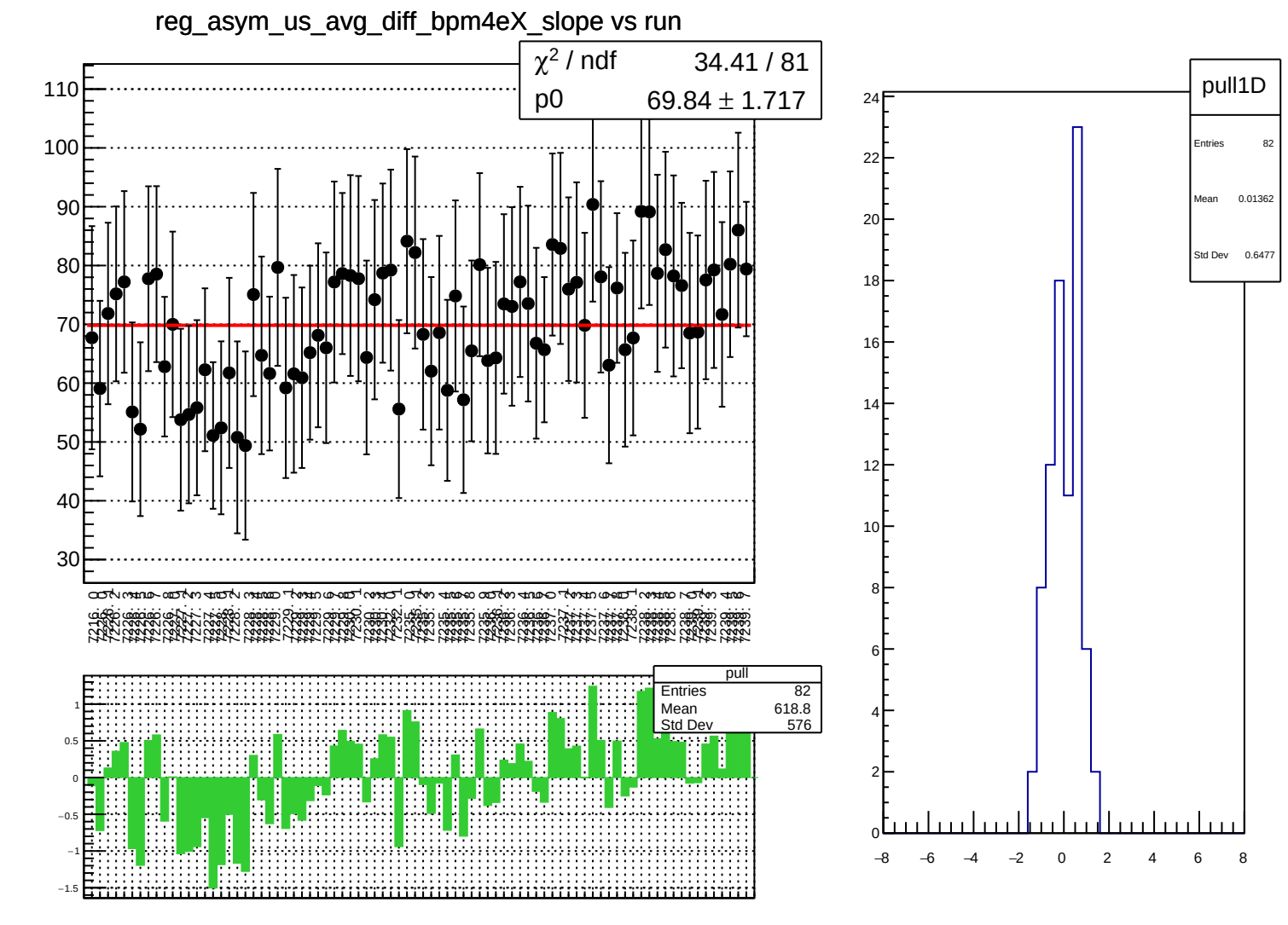

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 73.34 / 81
p0 0.009793 ± 0.005251
pull
Entries 82
Mean 244.6
Std Dev 191.1

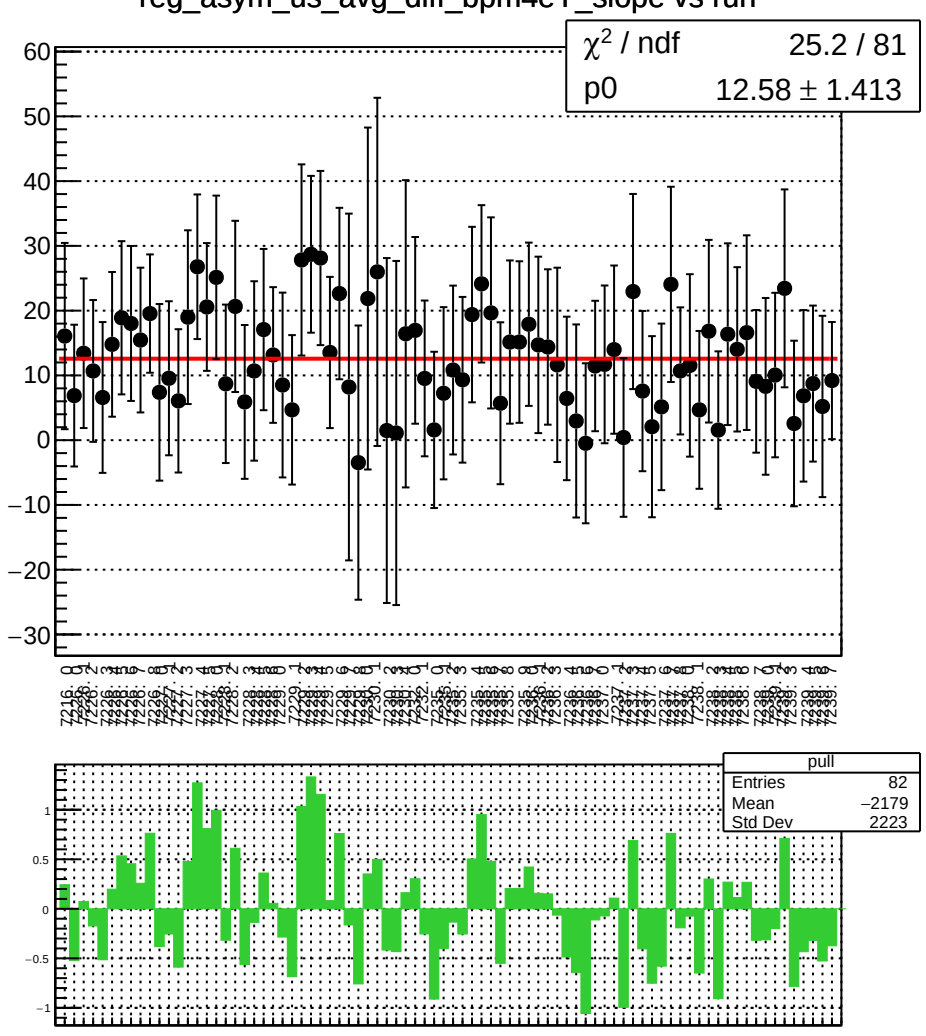

pull1D
Entries 82
Mean 0.009654
Std Dev 0.9457

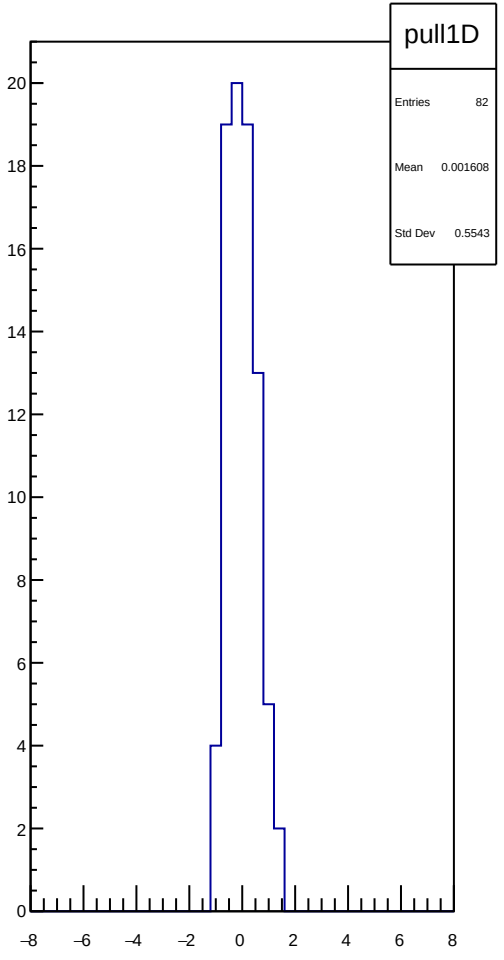

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 30.59 / 81
p0 −69.01± 1.68
pull
Entries 82
Mean 778.5
Std Dev 735.3

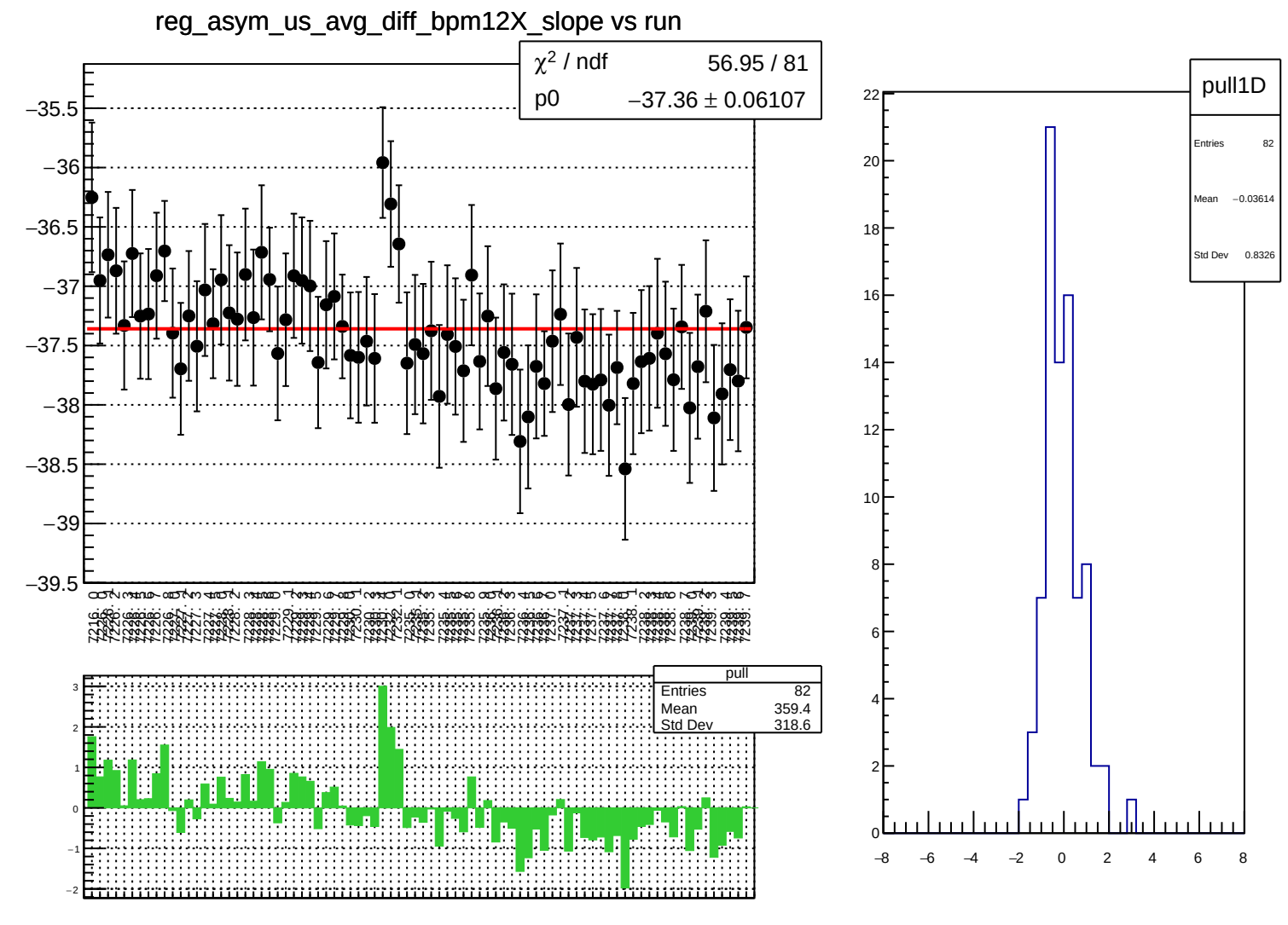

pull1D
Entries 82
Mean −0.008377
Std Dev 0.6107

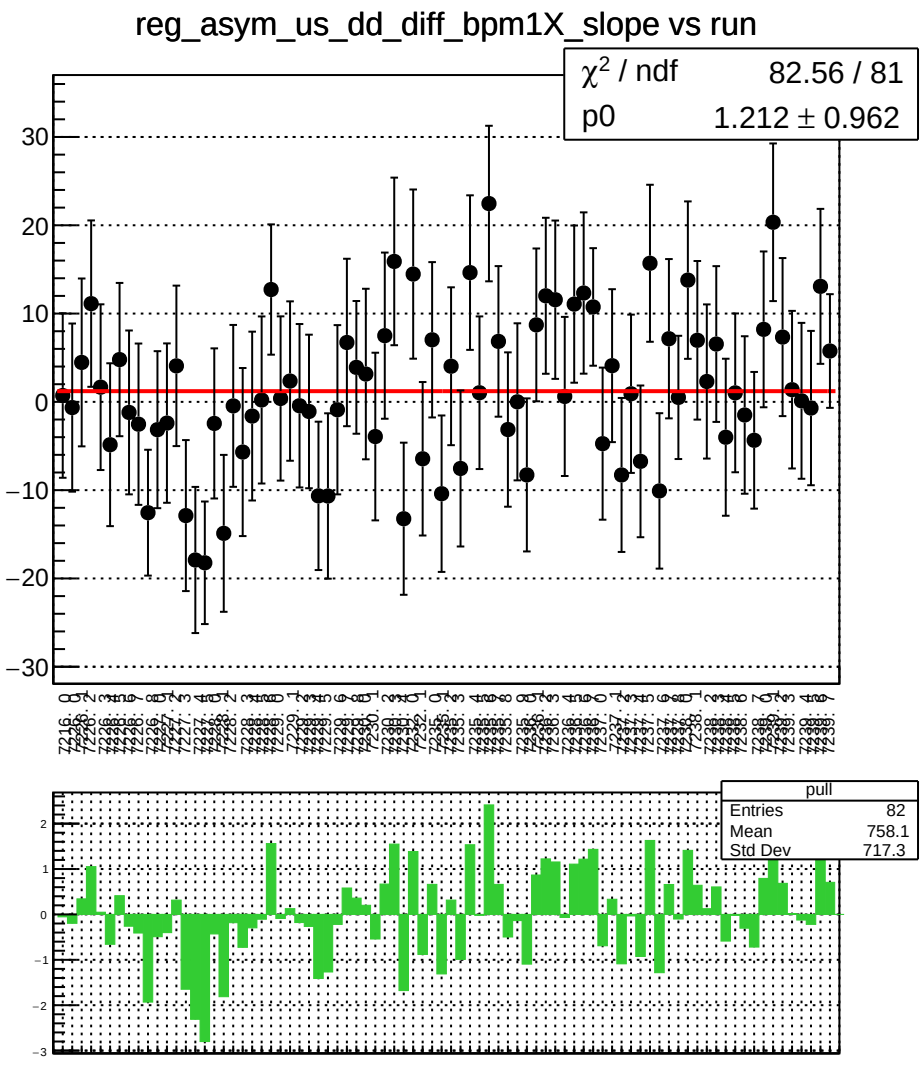

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.99 / 81
p0 5.812 ± 1.284
pull
Entries 82
Mean −5066
Std Dev 5108
pull1D
Entries 82
Mean −0.0009328
Std Dev 0.5738

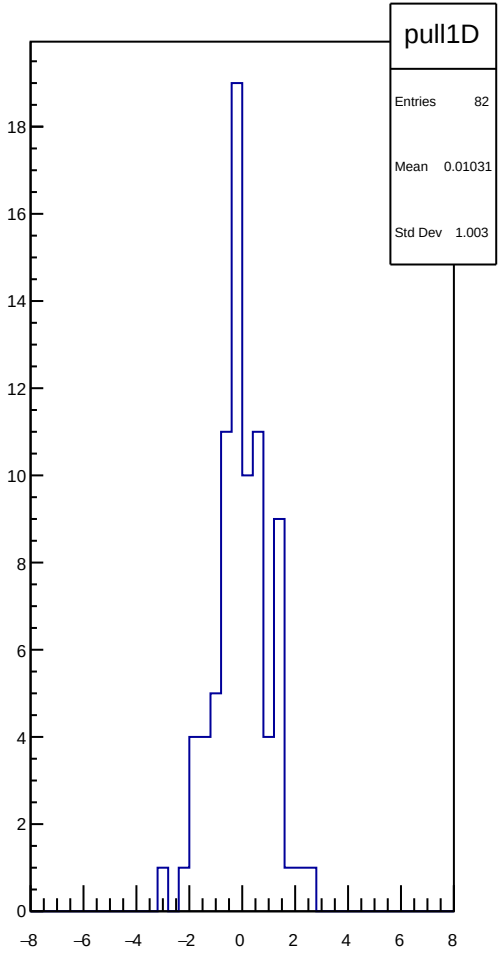

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 34.41 / 81
p0 69.84 ± 1.717
pull
Entries 82
Mean 618.8
Std Dev 576
pull1D
Entries 82
Mean 0.01362
Std Dev 0.6477

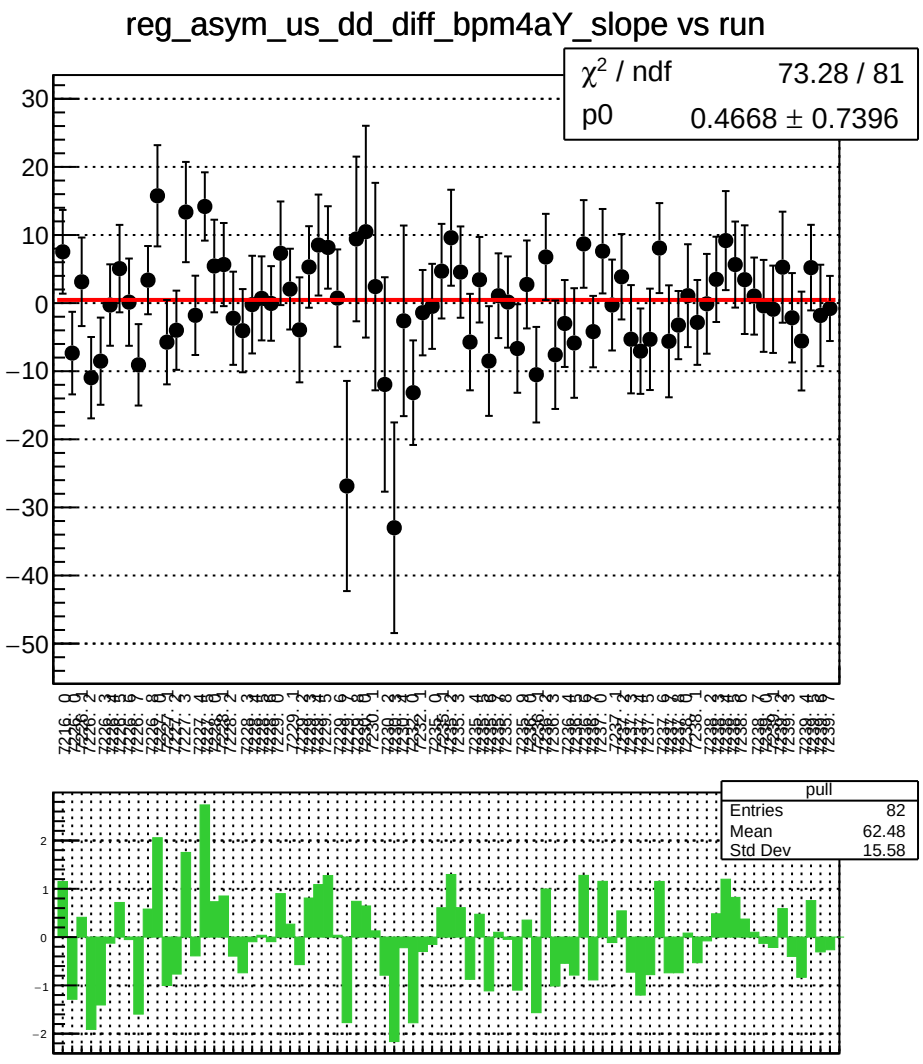

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.2 / 81
p0 12.58 ± 1.413
pull
Entries 82
Mean −2179
Std Dev 2223

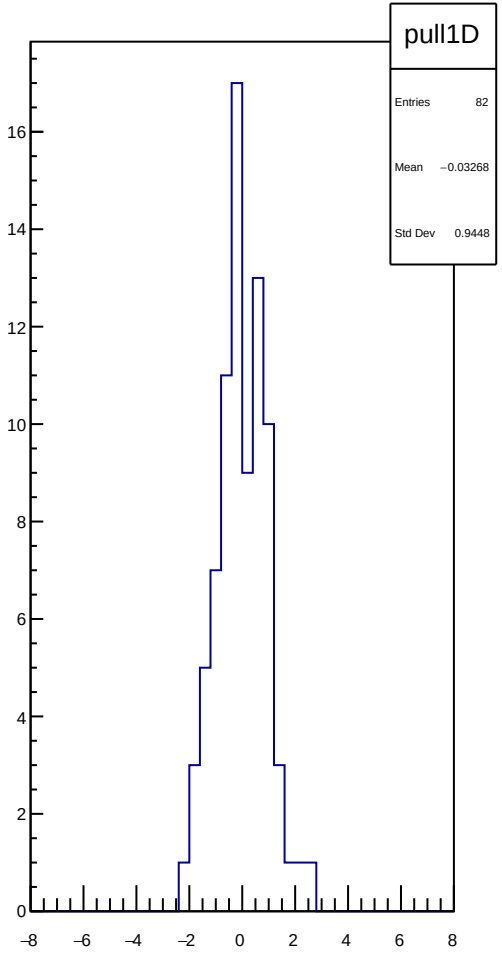

pull1D
Entries 82
Mean 0.001608
Std Dev 0.5543

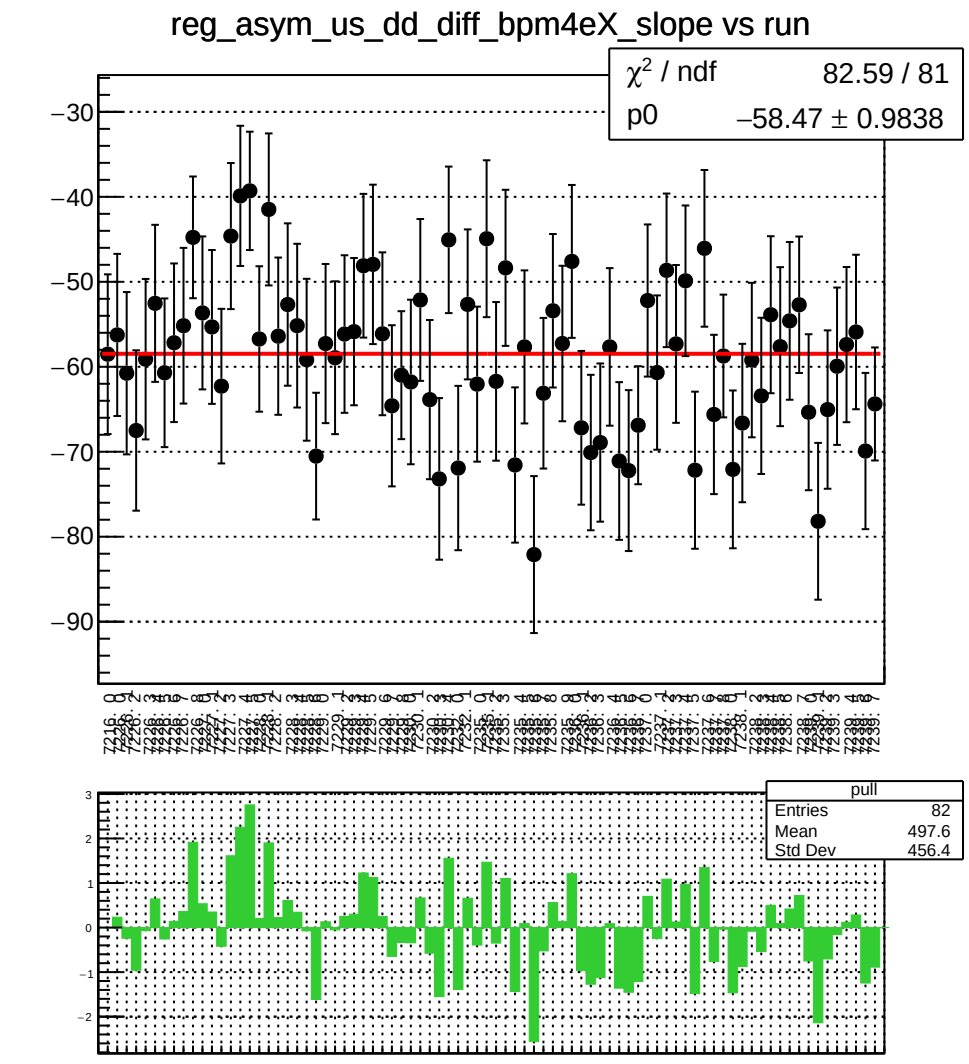

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 56.95 / 81
p0 −37.36 ± 0.06107
−35.5
−36
−36.5
−37
−37.5
−38
−38.5
−39
−39.5
pull
Entries 82
Mean 359.4
Std Dev 318.6
pull1D
Entries 82
Mean −0.03614
Std Dev 0.8326

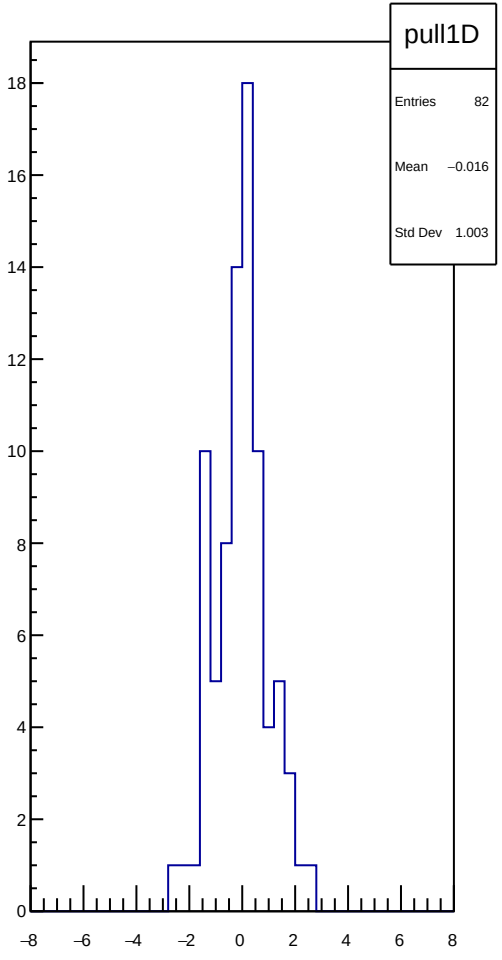

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 82.56 / 81
p0 1.212 ± 0.962
pull
Entries 82
Mean 758.1
Std Dev 717.3

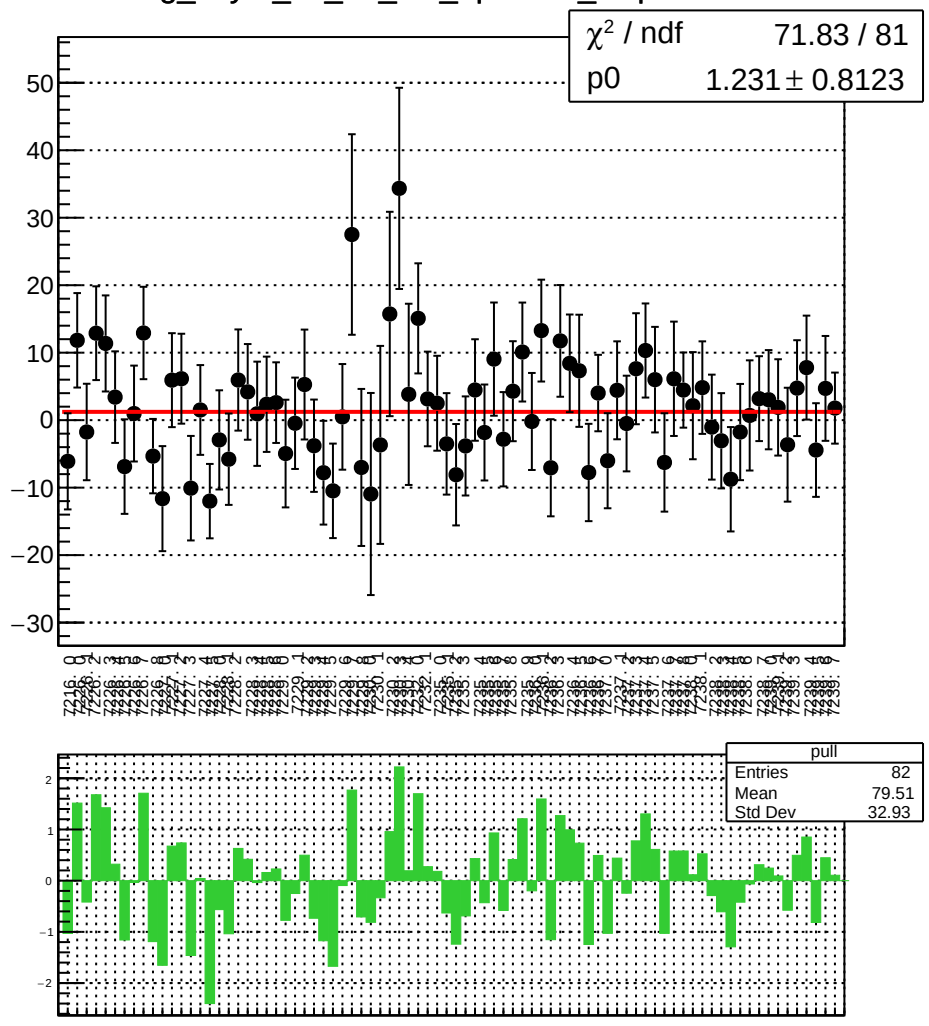

pull1D
Entries 82
Mean 0.01031
Std Dev 1.003

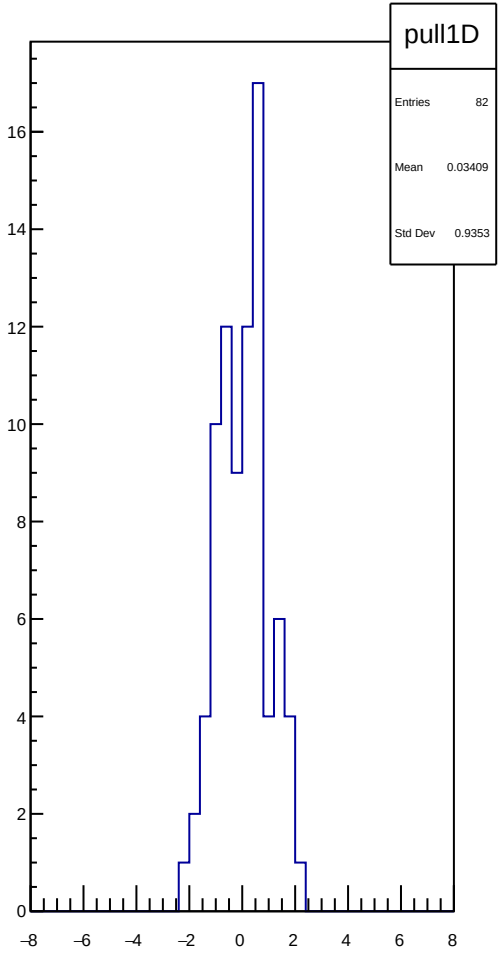

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 73.28 / 81
p0 0.4668 ± 0.7396
pull
Entries 82
Mean 62.48
Std Dev 15.58

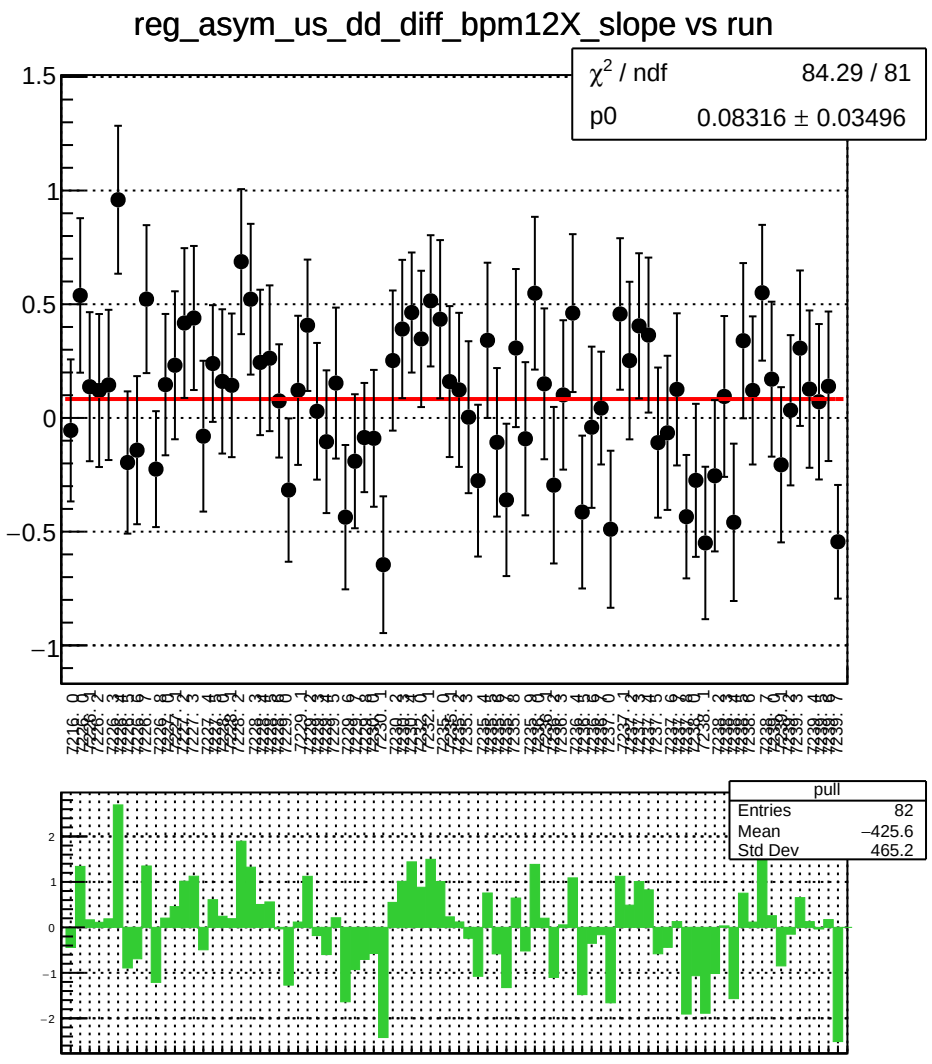

pull1D
Entries 82
Mean −0.03268
Std Dev 0.9448

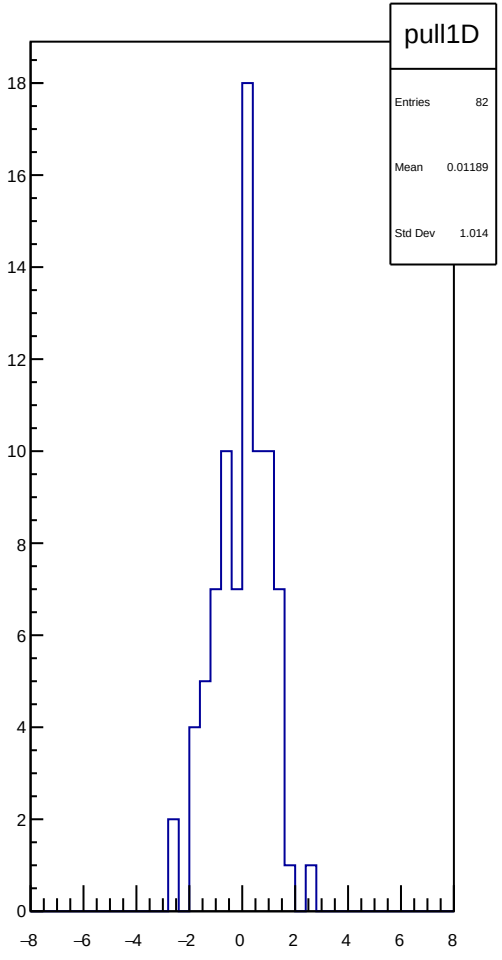

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 82.59 / 81
p0 −58.47 ± 0.9838
pull
Entries 82
Mean 497.6
Std Dev 456.4

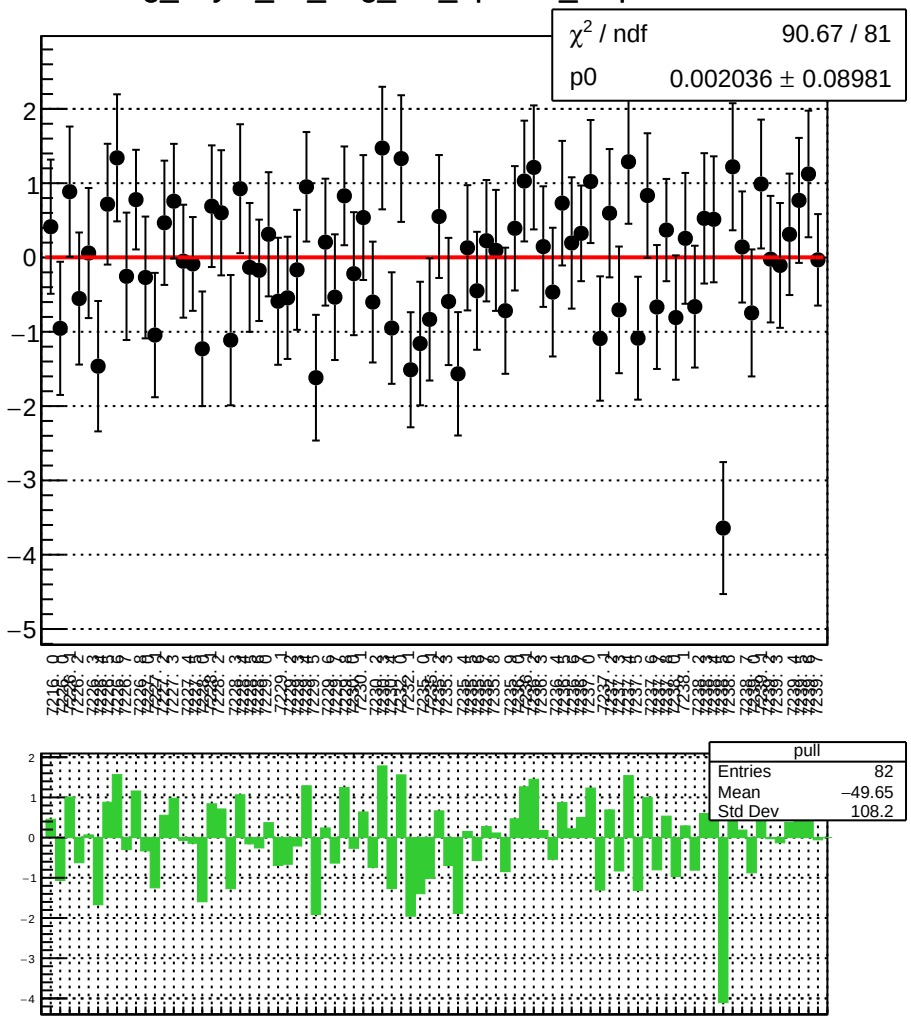

pull1D
Entries 82
Mean −0.016
Std Dev 1.003

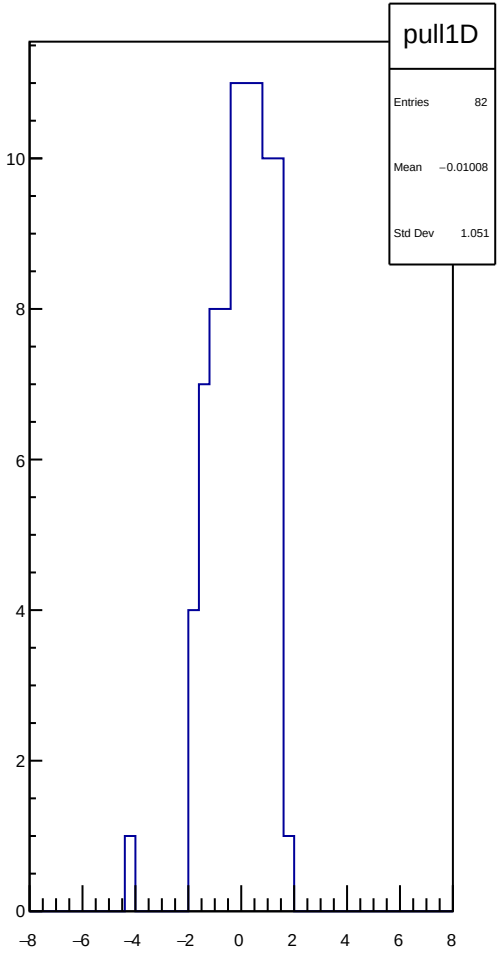

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.83 / 81
p0 1.231 ± 0.8123
pull
Entries 82
Mean 79.51
Std Dev 32.93

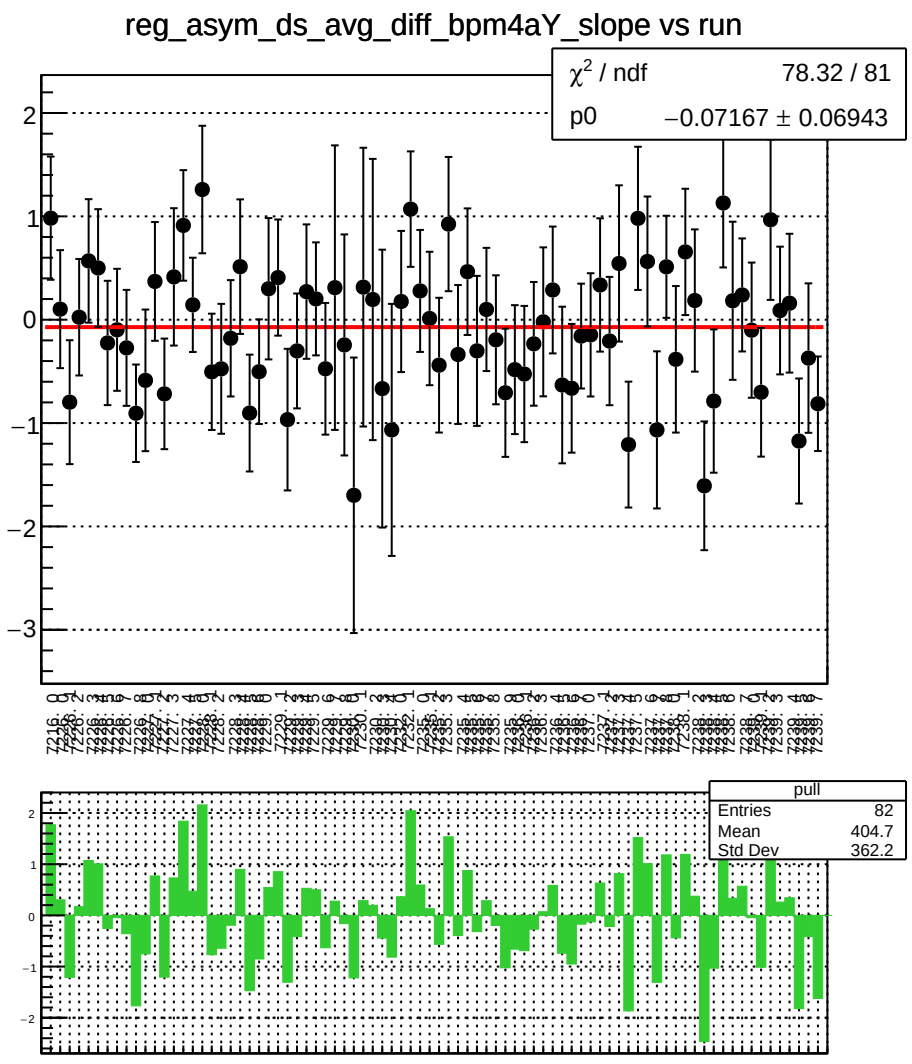

pull1D
Entries 82
Mean 0.03409
Std Dev 0.9353

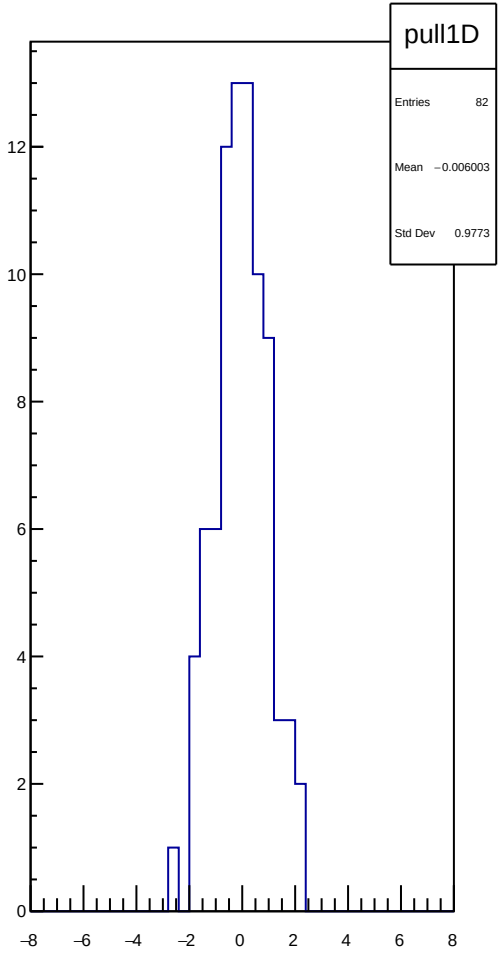

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 84.29 / 81
p0 0.08316 ± 0.03496
pull
Entries 82
Mean −425.6
Std Dev 465.2

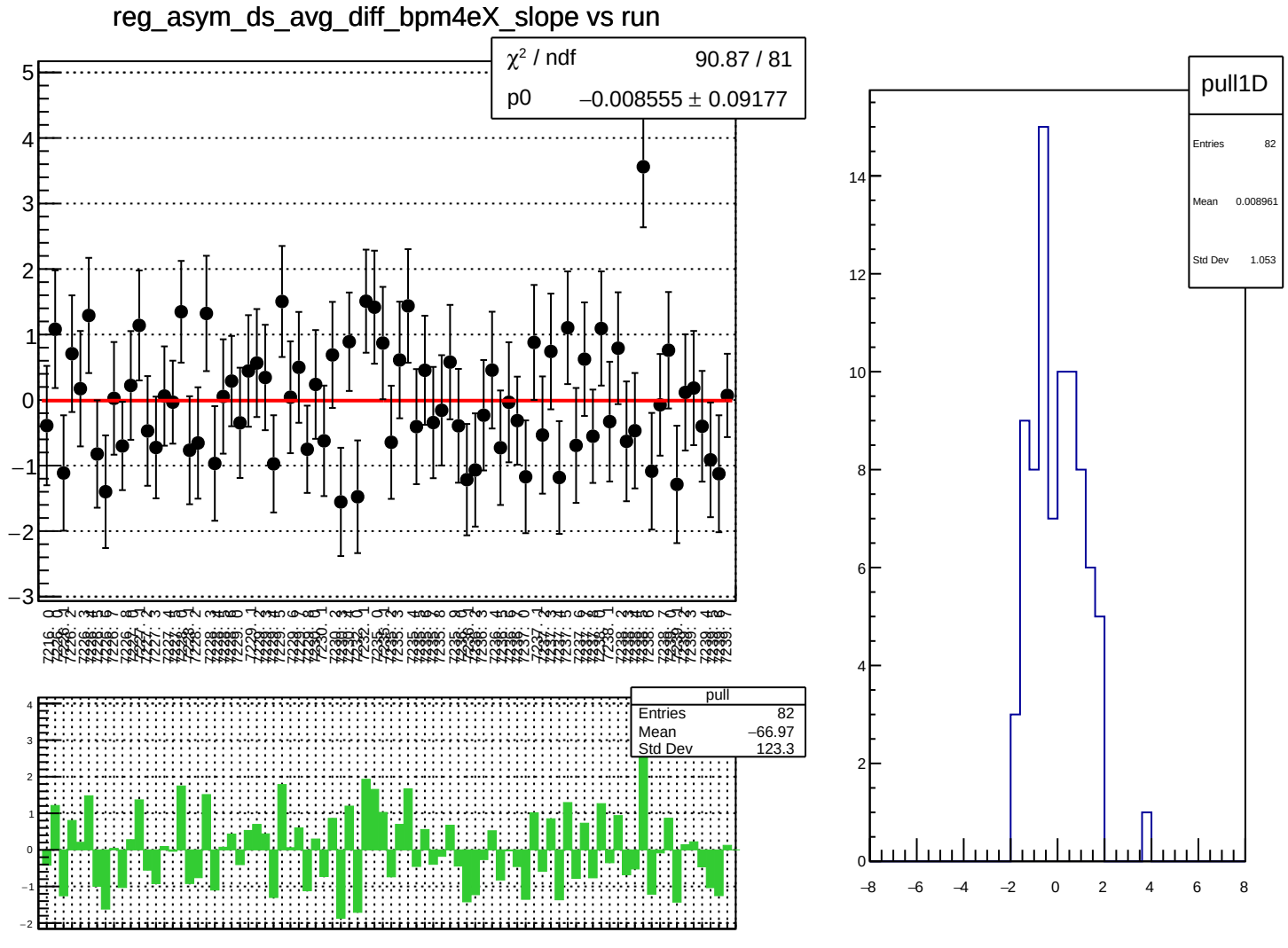

pull1D
Entries 82
Mean 0.01189
Std Dev 1.014

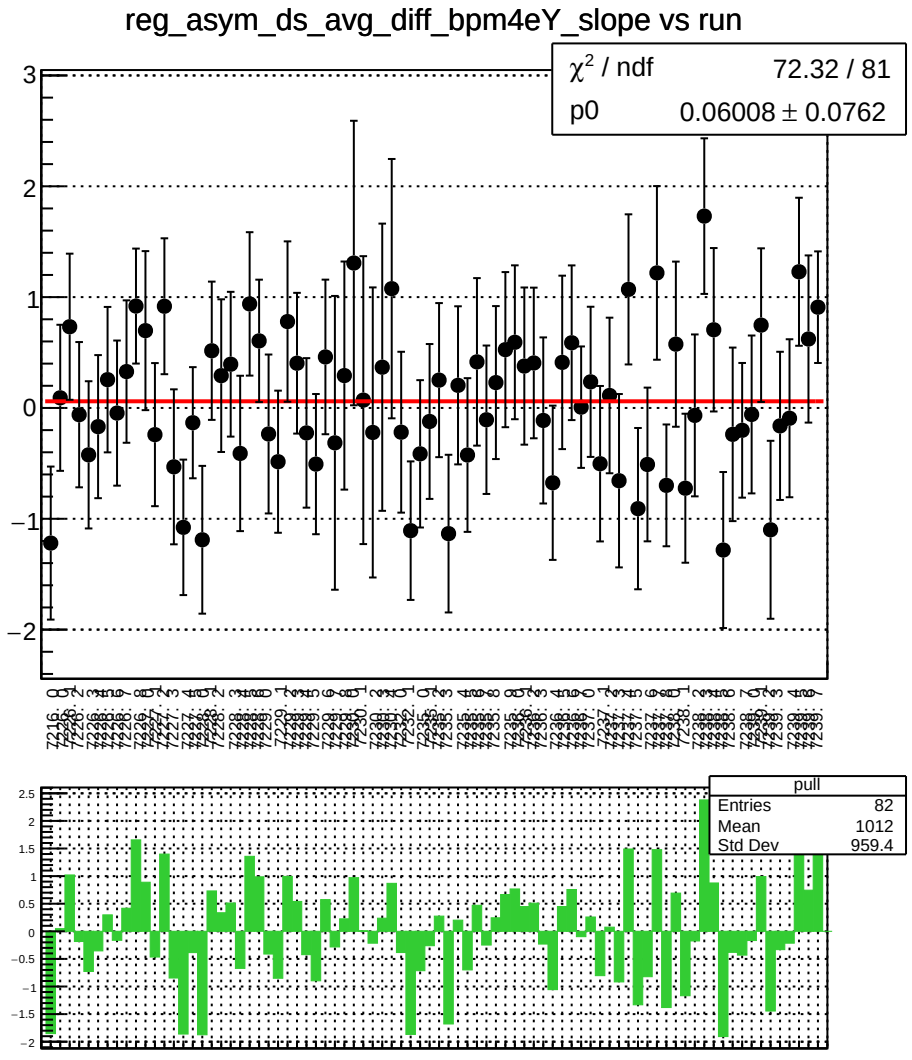

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 90.67 / 81
p0 0.002036 ± 0.08981
pull
Entries 82
Mean −49.65
Std Dev 108.2

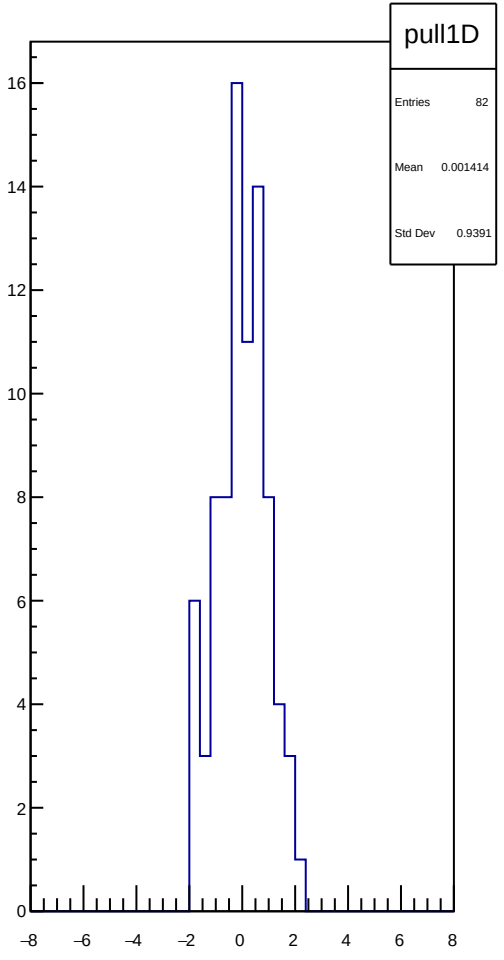

pull1D
Entries 82
Mean −0.01008
Std Dev 1.051

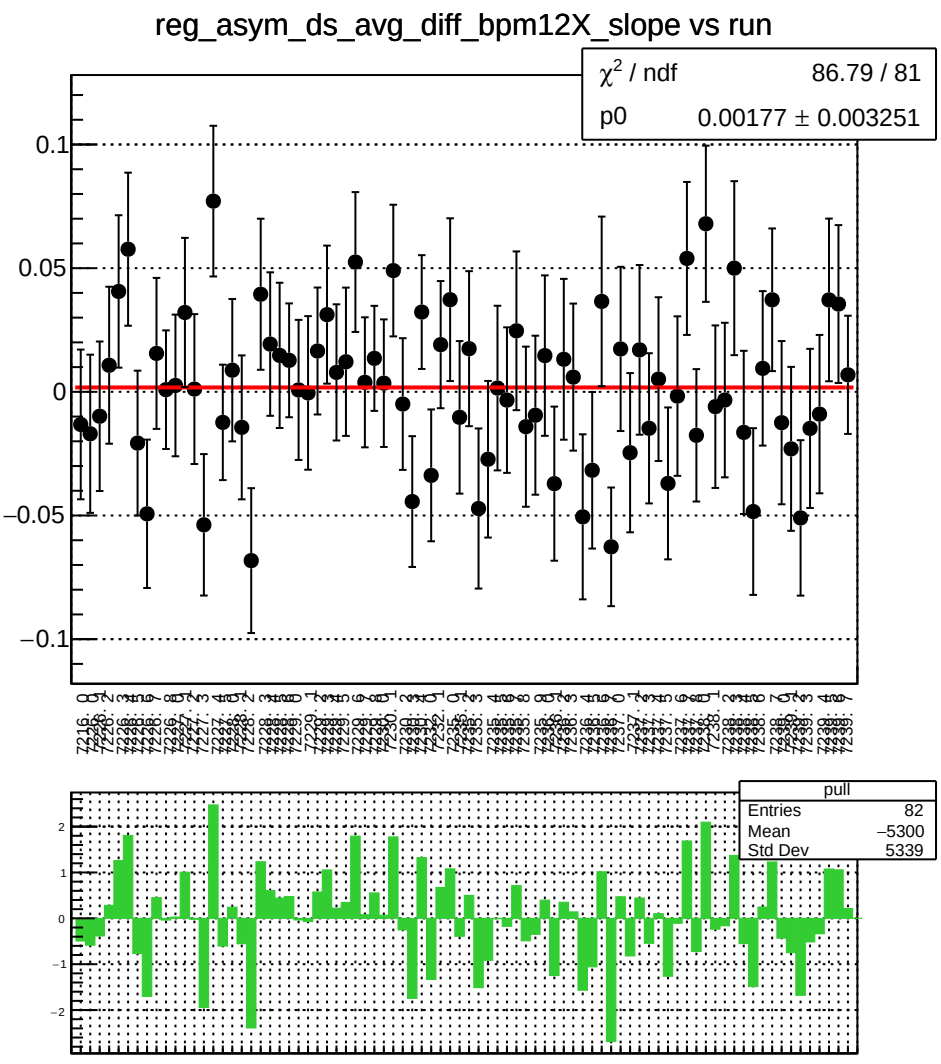

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.32 / 81
p0 −0.07167 ± 0.06943
pull
Entries 82
Mean 404.7
Std Dev 362.2

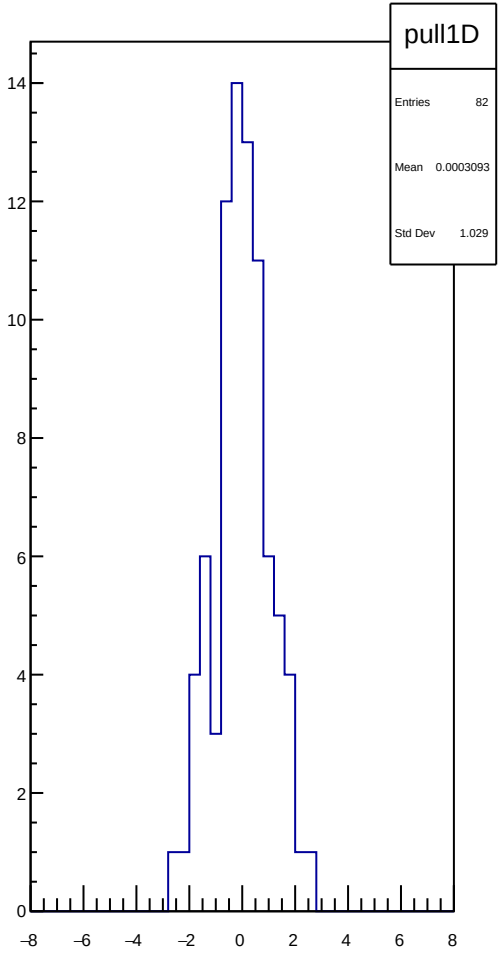

pull1D
Entries 82
Mean −0.006003
Std Dev 0.9773

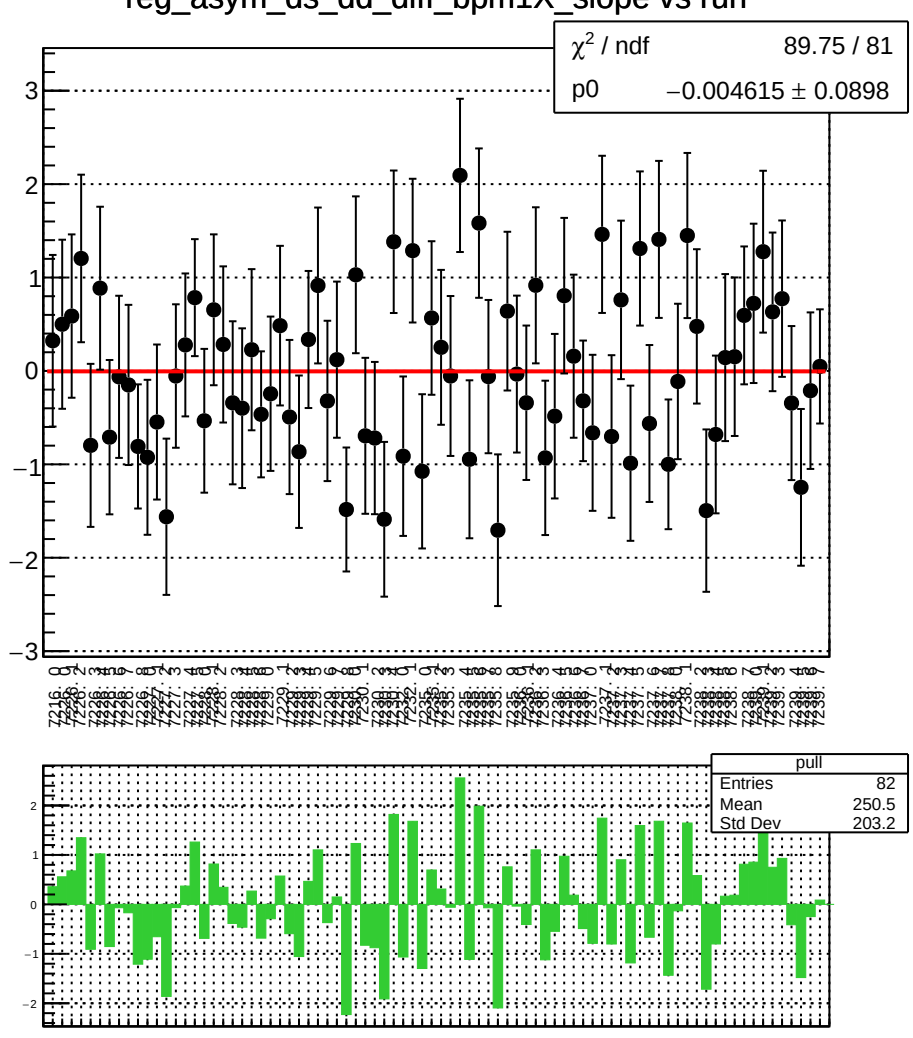

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.87 / 81
p0 −0.008555 ± 0.09177
pull
Entries 82
Mean −66.97
Std Dev 123.3
pull1D
Entries 82
Mean 0.008961
Std Dev 1.053

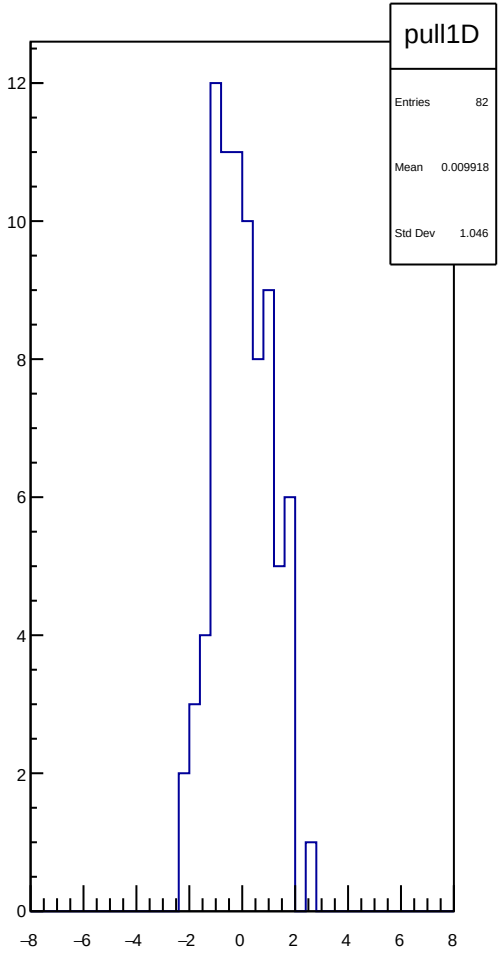

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.32 / 81
p0 0.06008 ± 0.0762
pull
Entries 82
Mean 1012
Std Dev 959.4

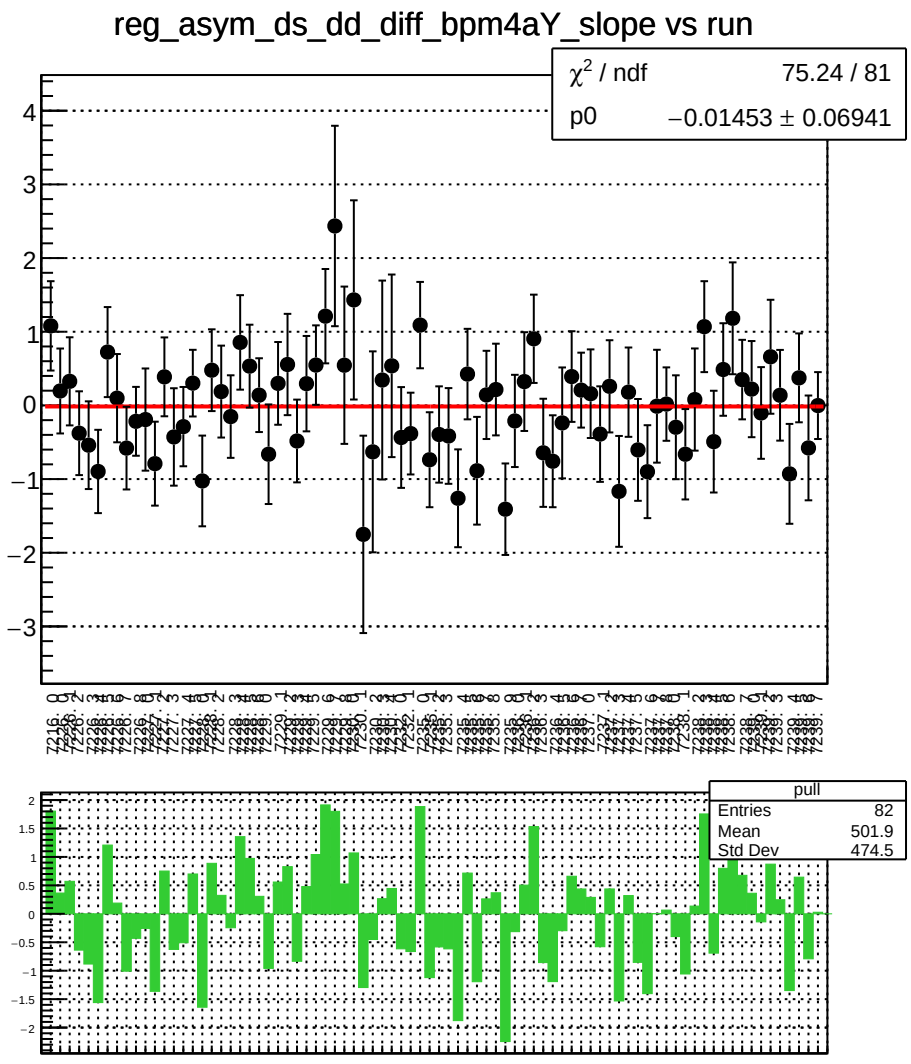

pull1D
Entries 82
Mean 0.001414
Std Dev 0.9391

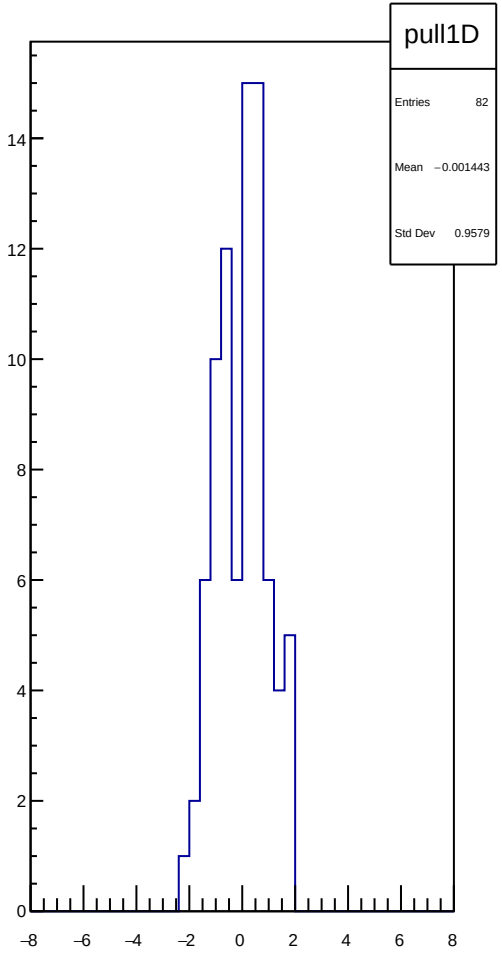

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 86.79 / 81
p0 0.00177 ± 0.003251
pull
Entries 82
Mean −5300
Std Dev 5339

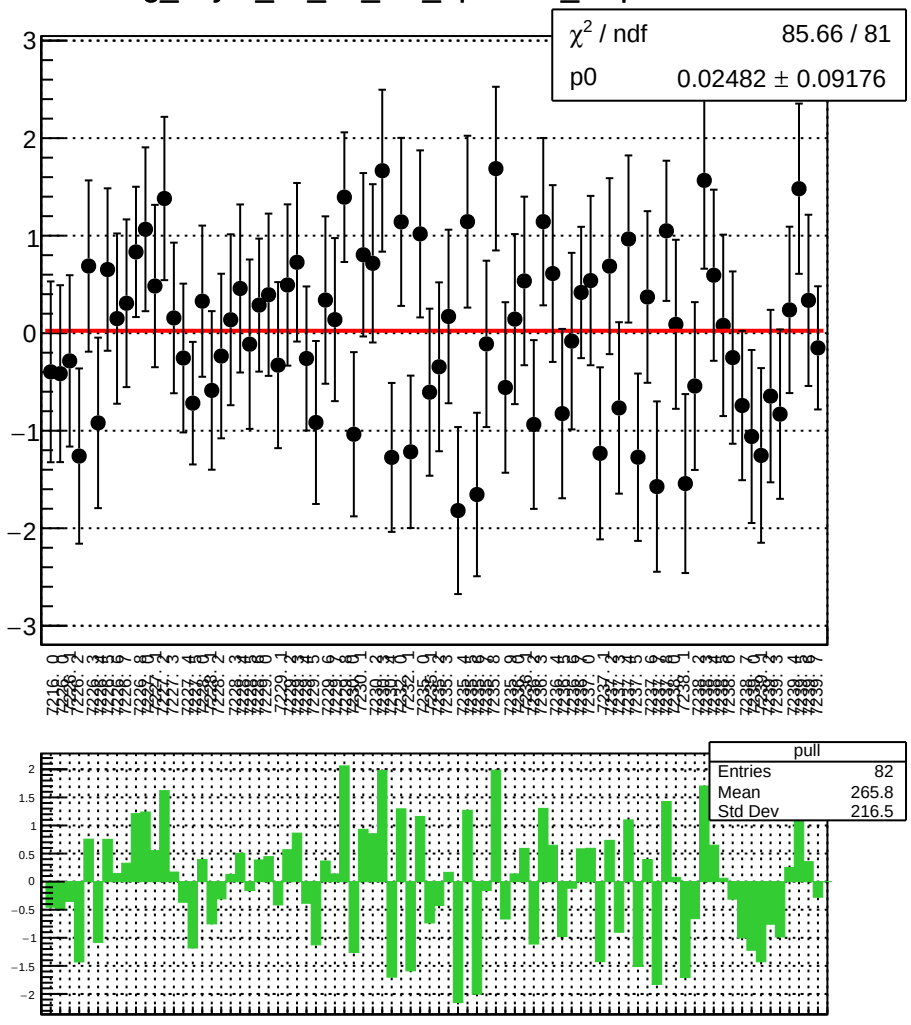

pull1D
Entries 82
Mean 0.0003093
Std Dev 1.029

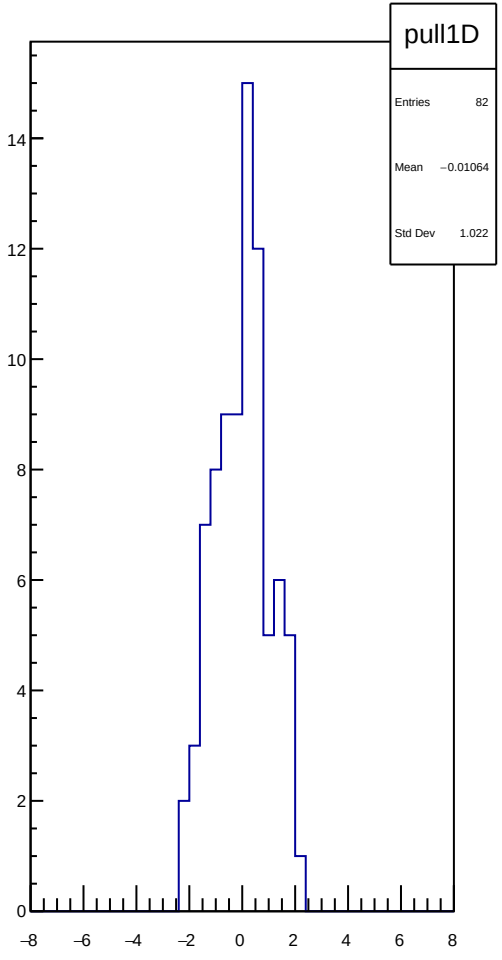

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 89.75 / 81
p0 −0.004615 ± 0.0898
pull
Entries 82
Mean 250.5
Std Dev 203.2

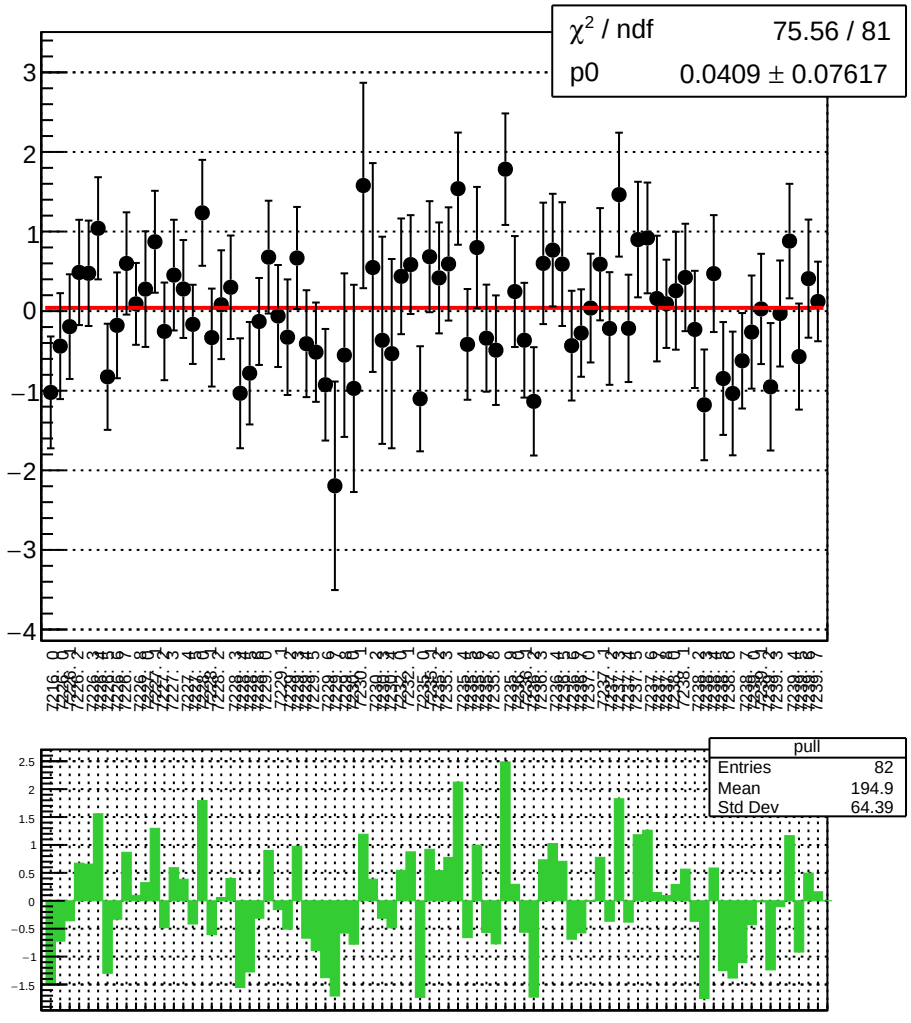

pull1D
Entries 82
Mean 0.009918
Std Dev 1.046

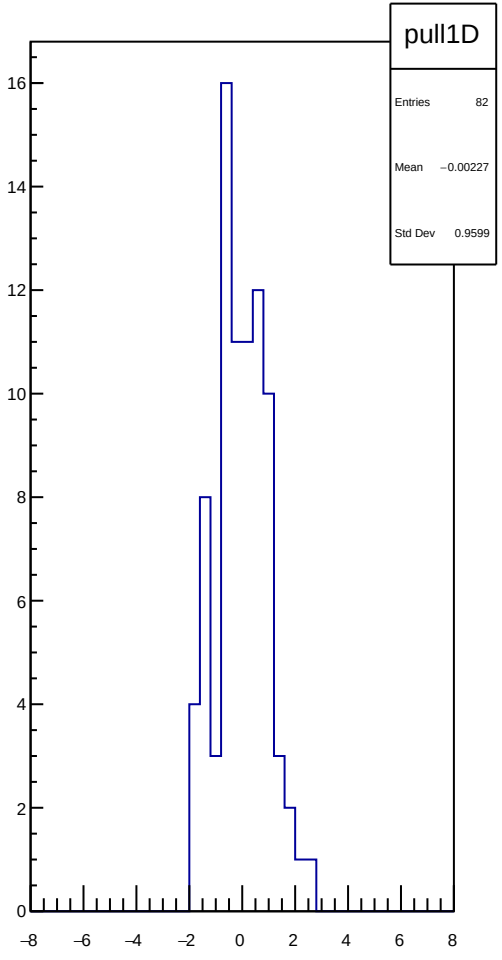

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.24 / 81
p0 −0.01453 ± 0.06941
pull
Entries 82
Mean 501.9
Std Dev 474.5

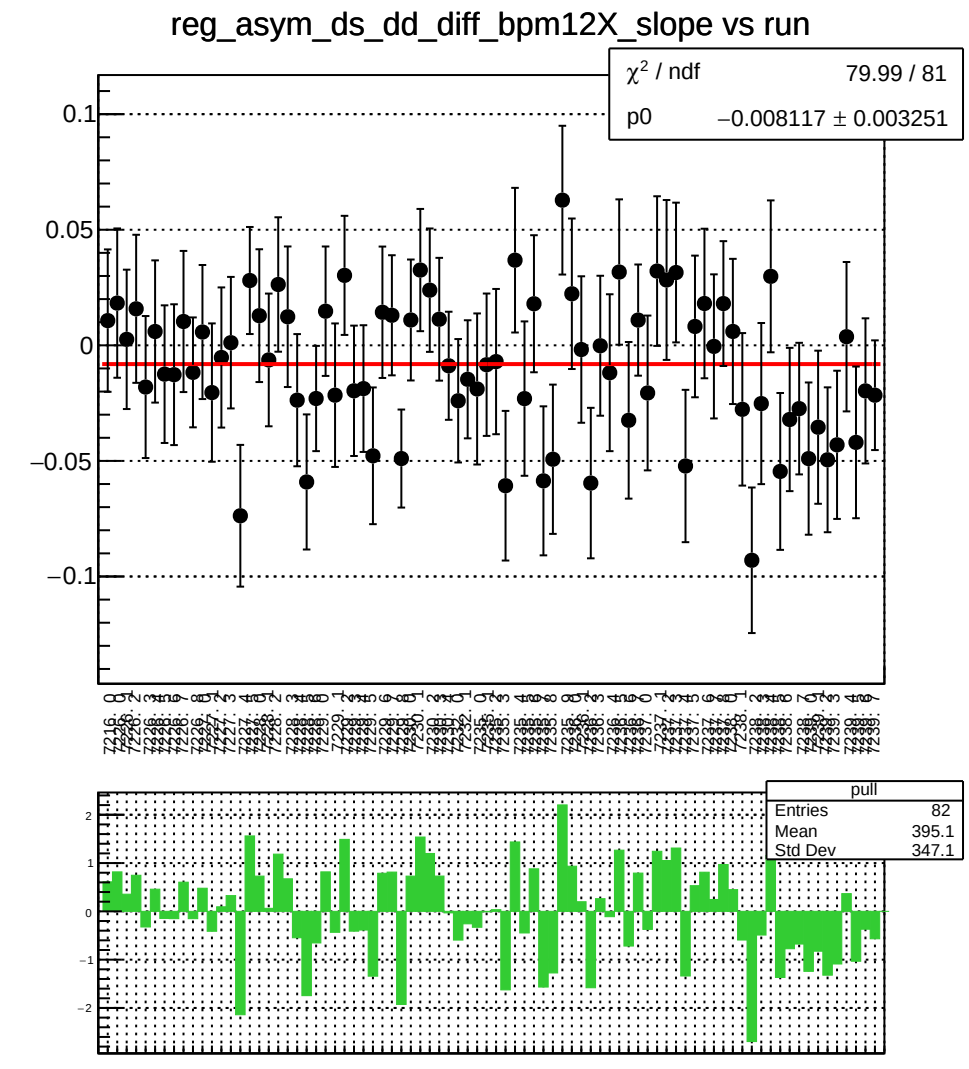

pull1D
Entries 82
Mean −0.001443
Std Dev 0.9579

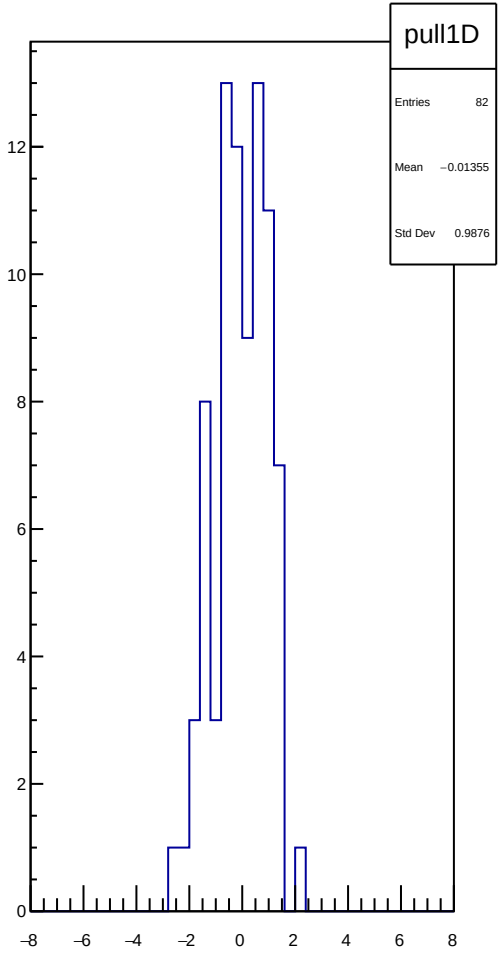

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.66 / 81
p0 0.02482 ± 0.09176
pull
Entries 82
Mean 265.8
Std Dev 216.5

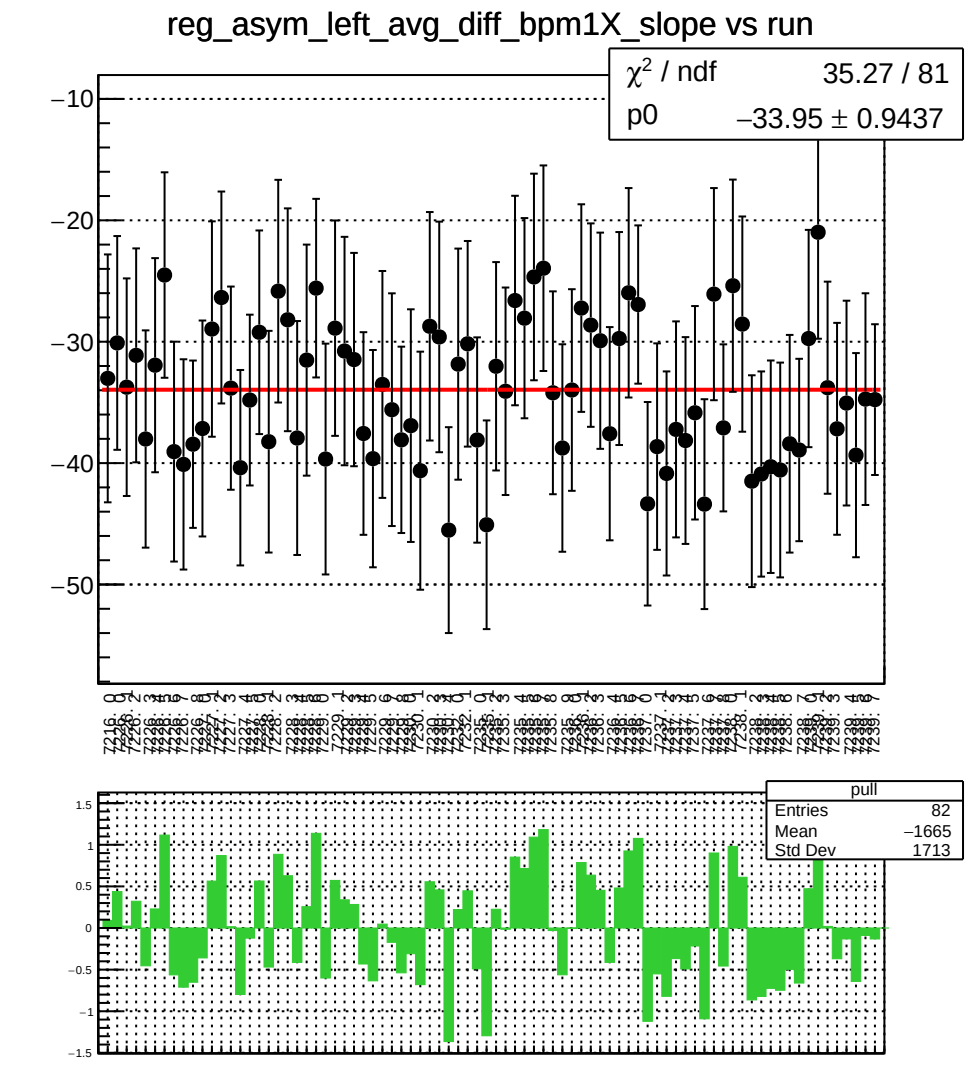

pull1D
Entries 82
Mean −0.01064
Std Dev 1.022

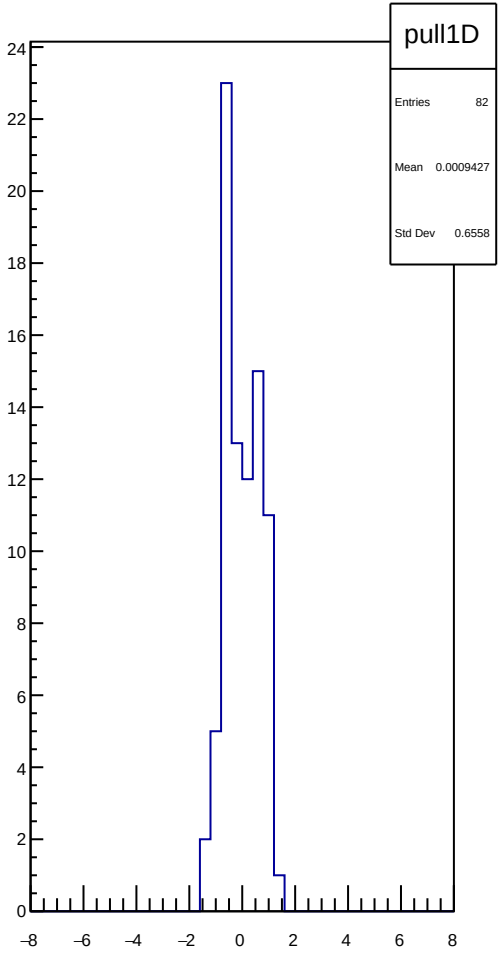

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.56 / 81
p0 0.0409 ± 0.07617
pull
Entries 82
Mean 194.9
Std Dev 64.39

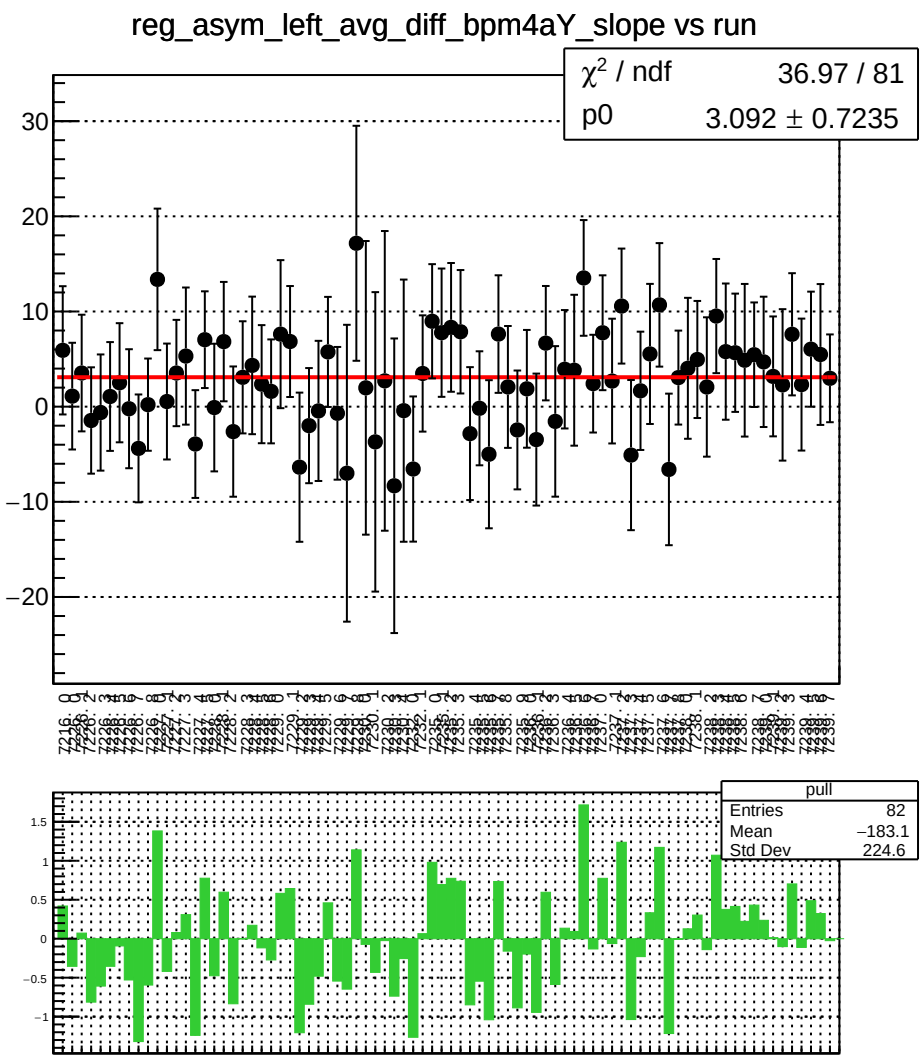

pull1D
Entries 82
Mean −0.00227
Std Dev 0.9599

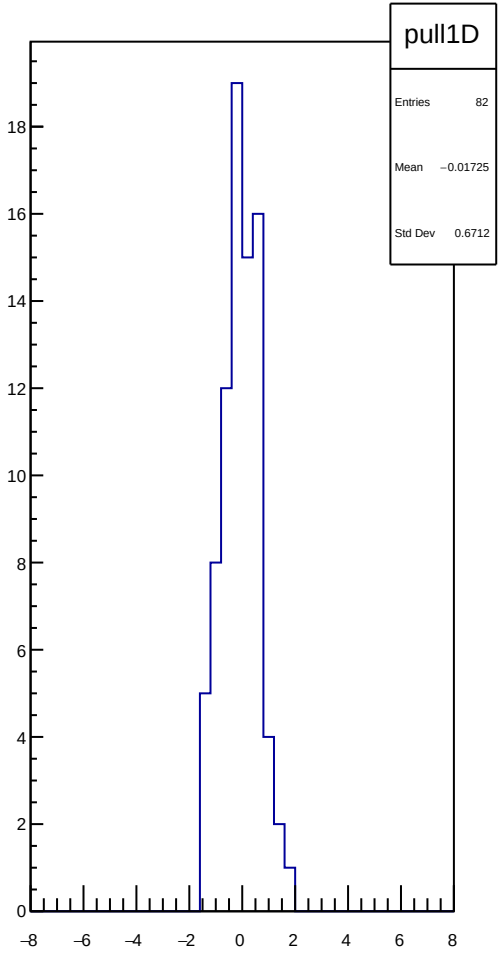

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 79.99 / 81
p0 −0.008117 ± 0.003251
pull
Entries 82
Mean 395.1
Std Dev 347.1

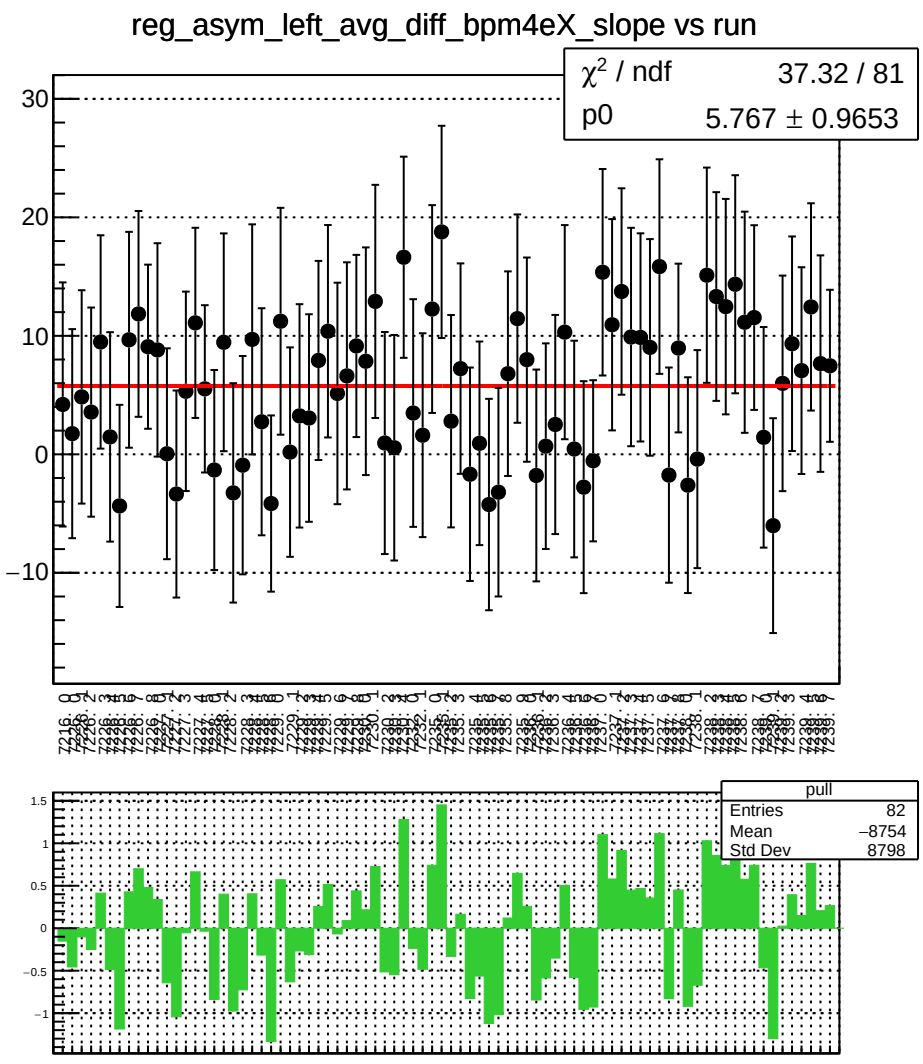

pull1D
Entries 82
Mean −0.01355
Std Dev 0.9876

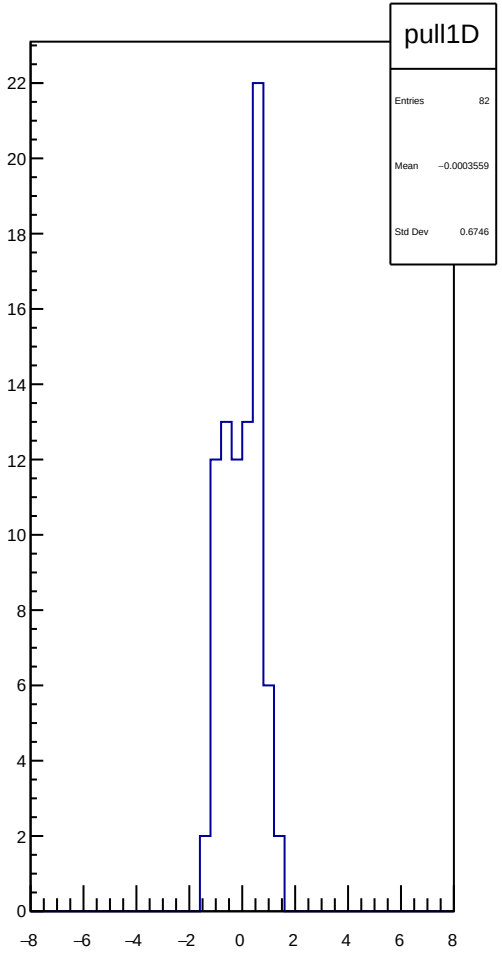

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 35.27 / 81
p0 −33.95 ± 0.9437
pull
Entries 82
Mean −1665
Std Dev 1713

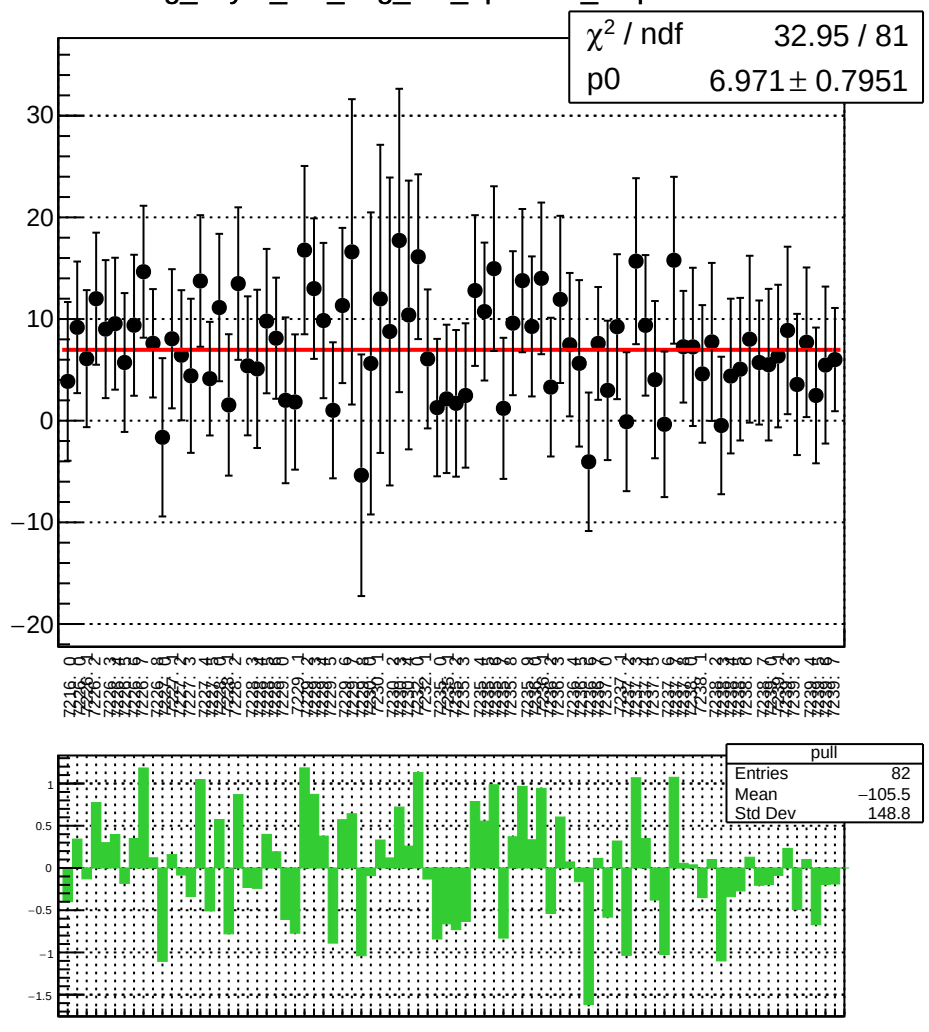

pull1D
Entries 82
Mean 0.0009427
Std Dev 0.6558

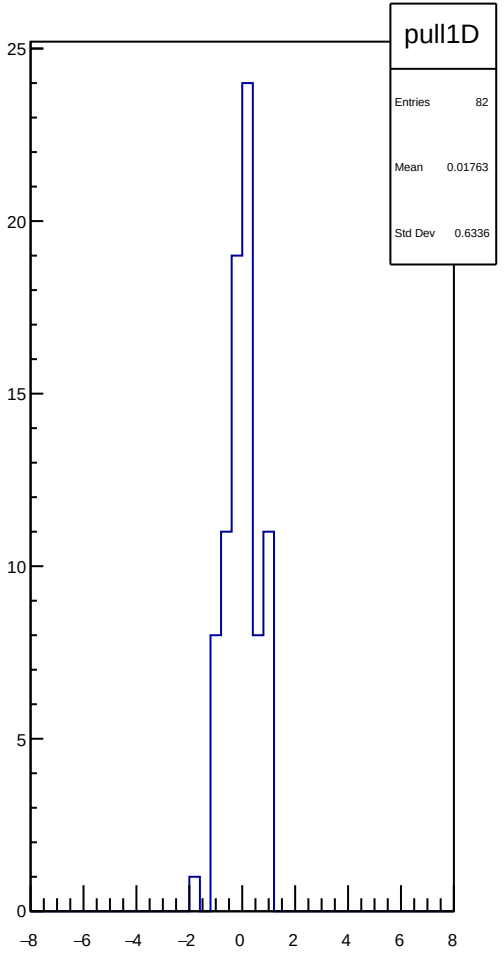

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.97 / 81
p0 3.092 ± 0.7235
pull
Entries 82
Mean −183.1
Std Dev 224.6

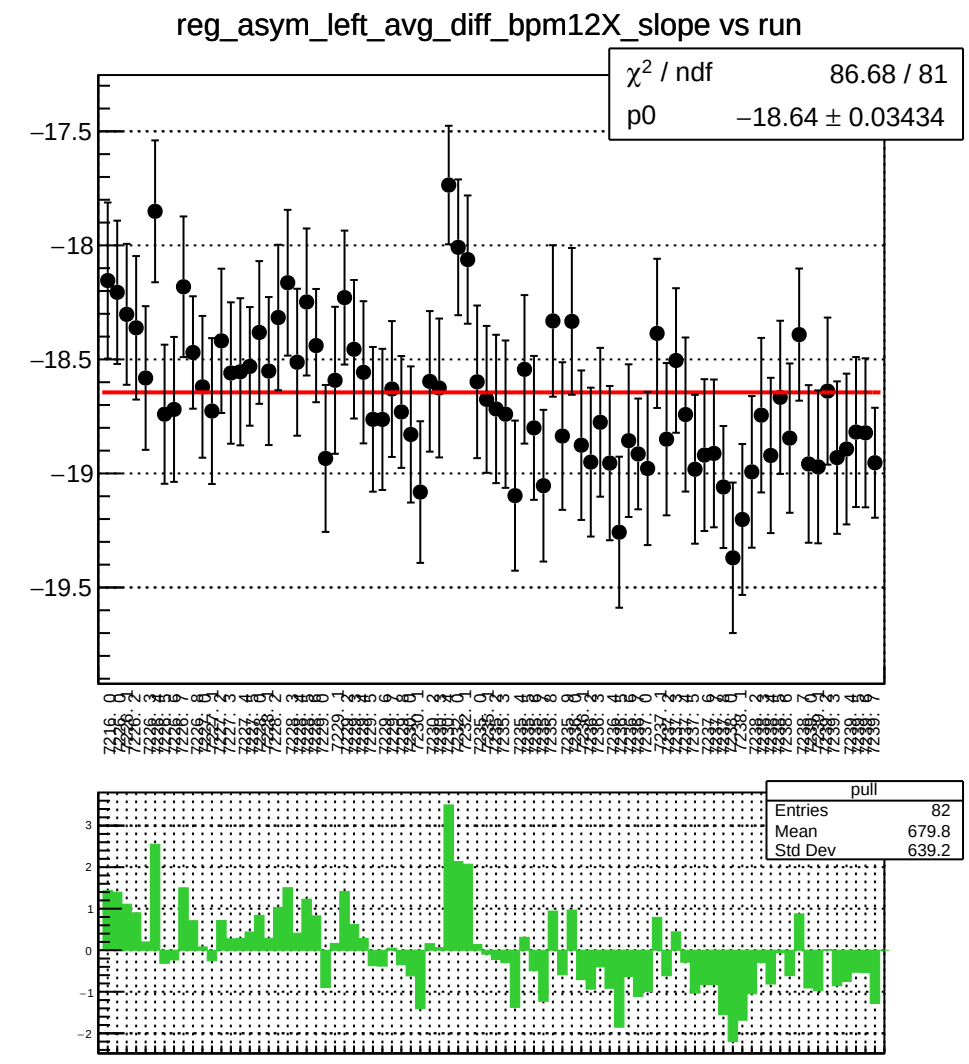

pull1D
Entries 82
Mean −0.01725
Std Dev 0.6712

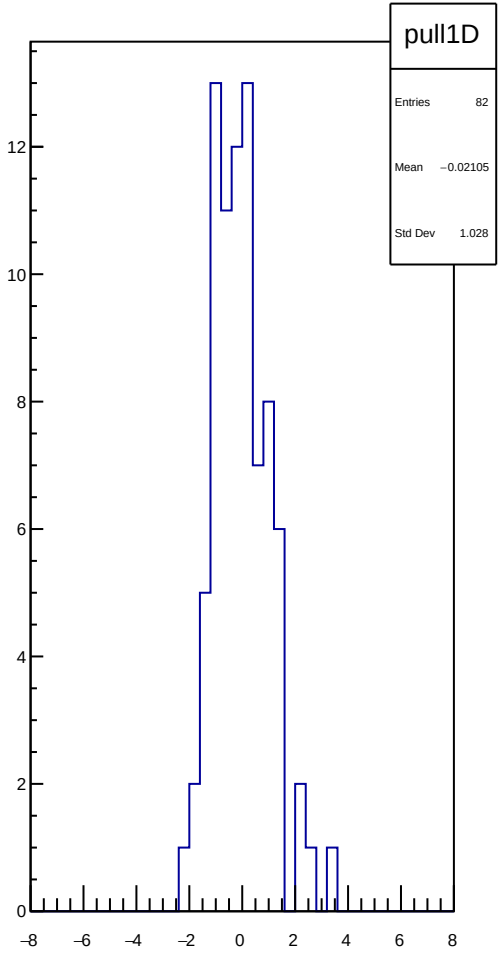

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.32 / 81
p0 5.767 ± 0.9653
pull
Entries 82
Mean −8754
Std Dev 8798

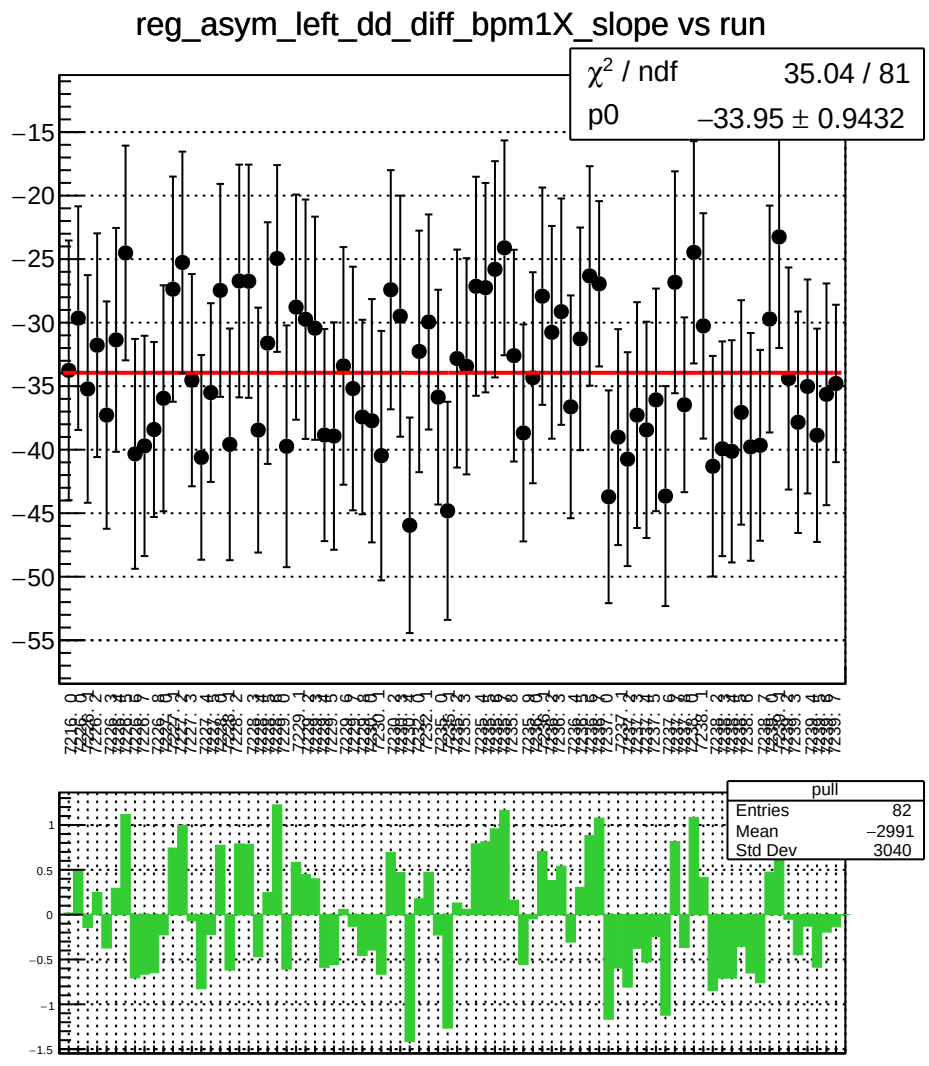

pull1D
Entries 82
Mean −0.0003559
Std Dev 0.6746

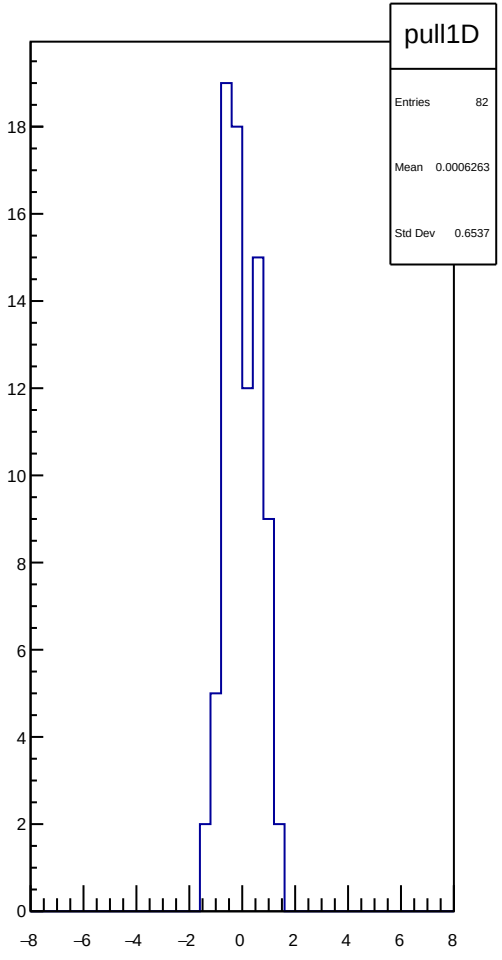

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.95 / 81
p0 6.971 ± 0.7951
pull
Entries 82
Mean −105.5
Std Dev 148.8

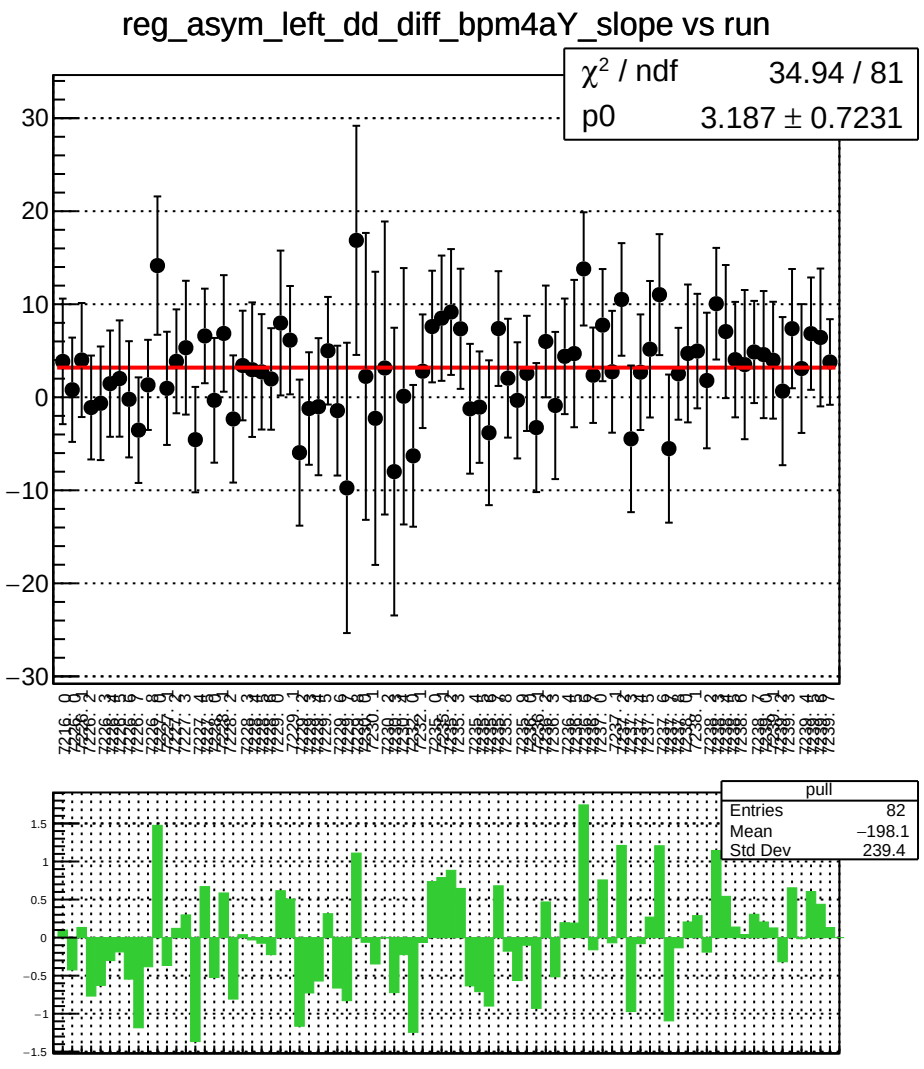

pull1D
Entries 82
Mean 0.01763
Std Dev 0.6336

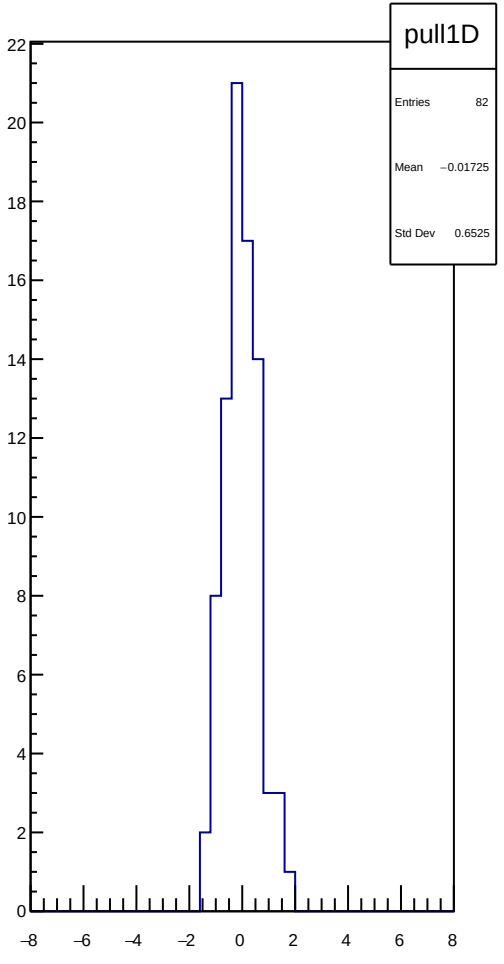

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 86.68 / 81
p0 −18.64 ± 0.03434
−17.5
−18
−18.5
−19
−19.5
pull
Entries 82
Mean 679.8
Std Dev 639.2
3
2
1
0
−1
−2

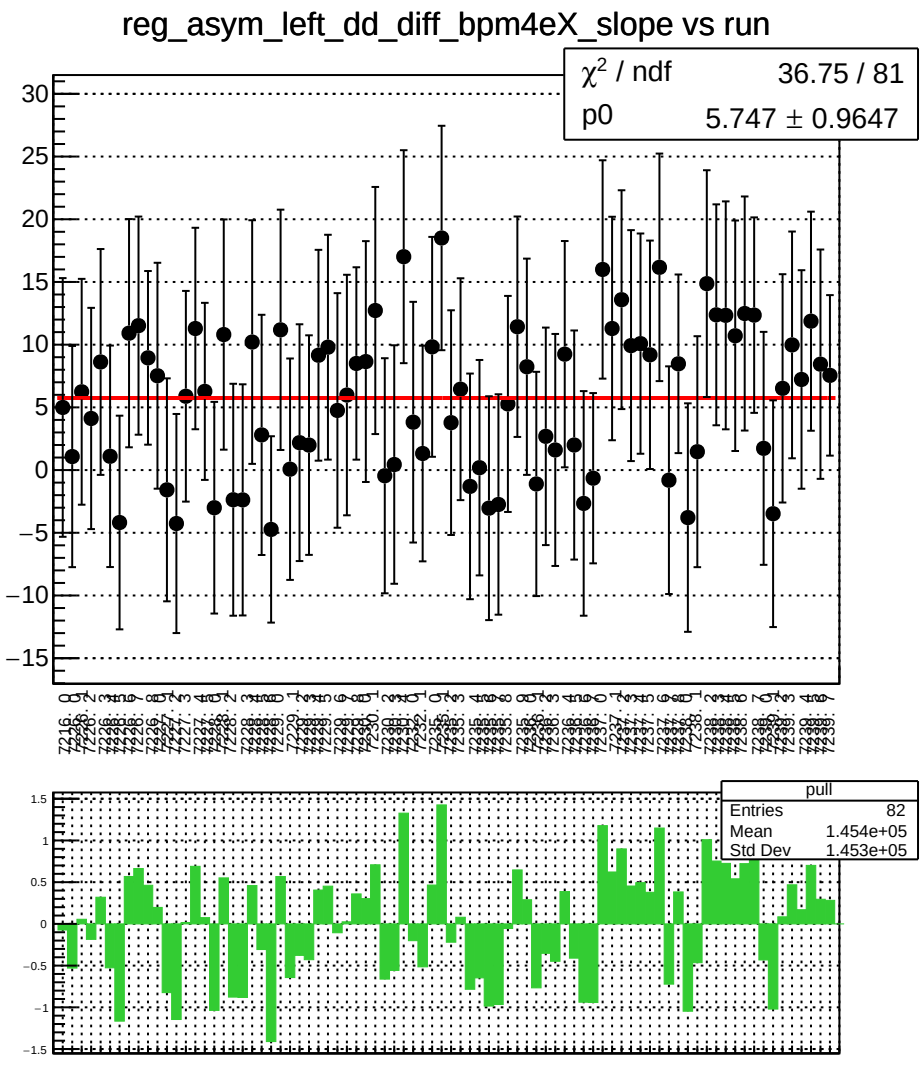

pull1D
Entries 82
Mean −0.02105
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

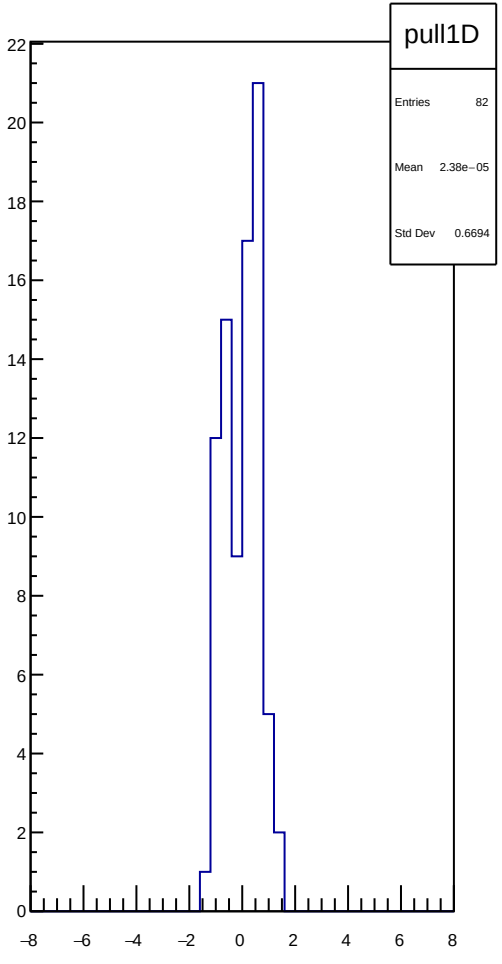

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 35.04 / 81
p0 −33.95 ± 0.9432
pull
Entries 82
Mean −2991
Std Dev 3040

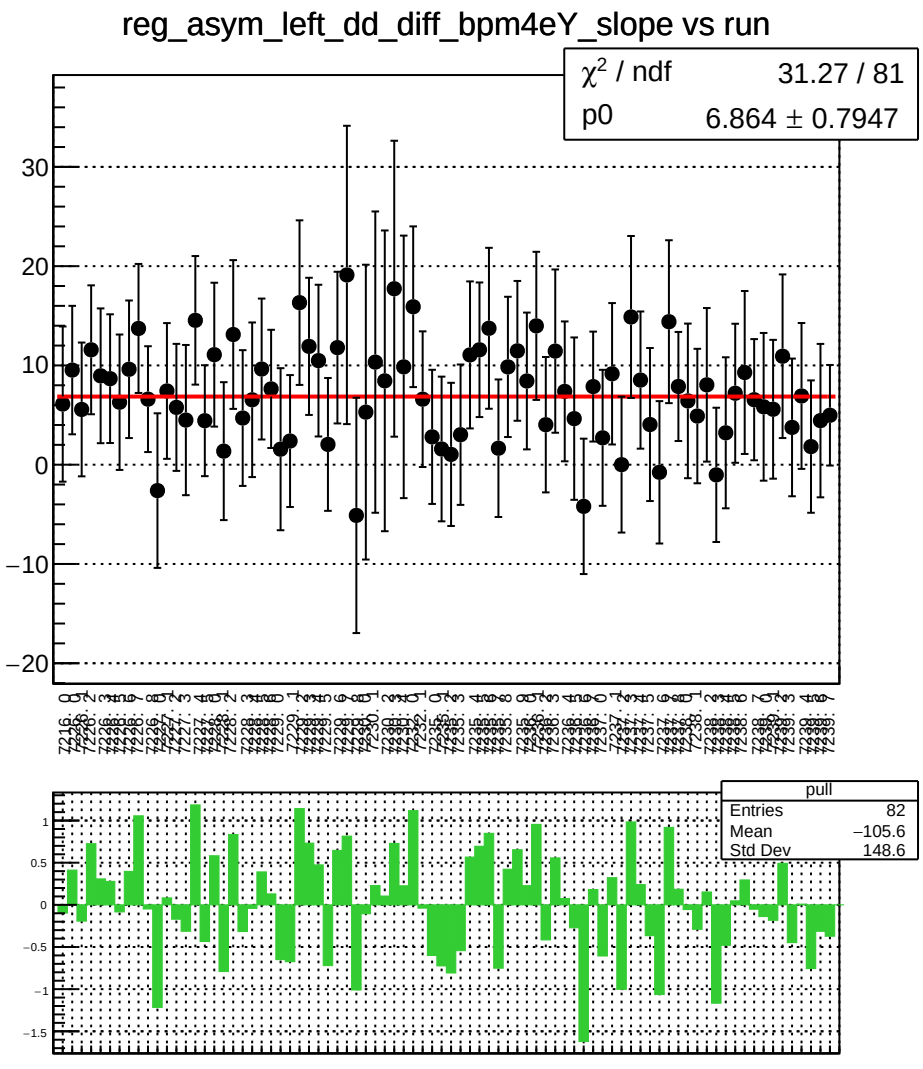

pull1D
Entries 82
Mean 0.0006263
Std Dev 0.6537

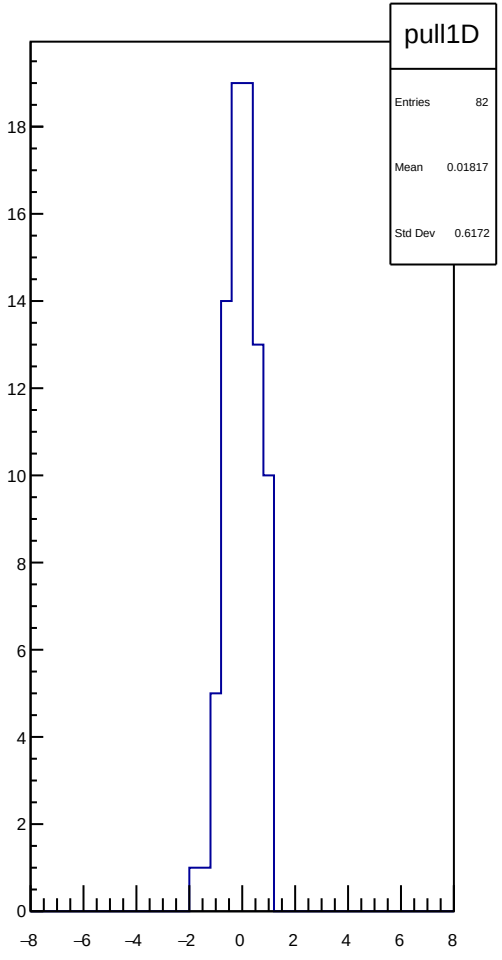

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.94 / 81
p0 3.187 ± 0.7231
pull
Entries 82
Mean −198.1
Std Dev 239.4

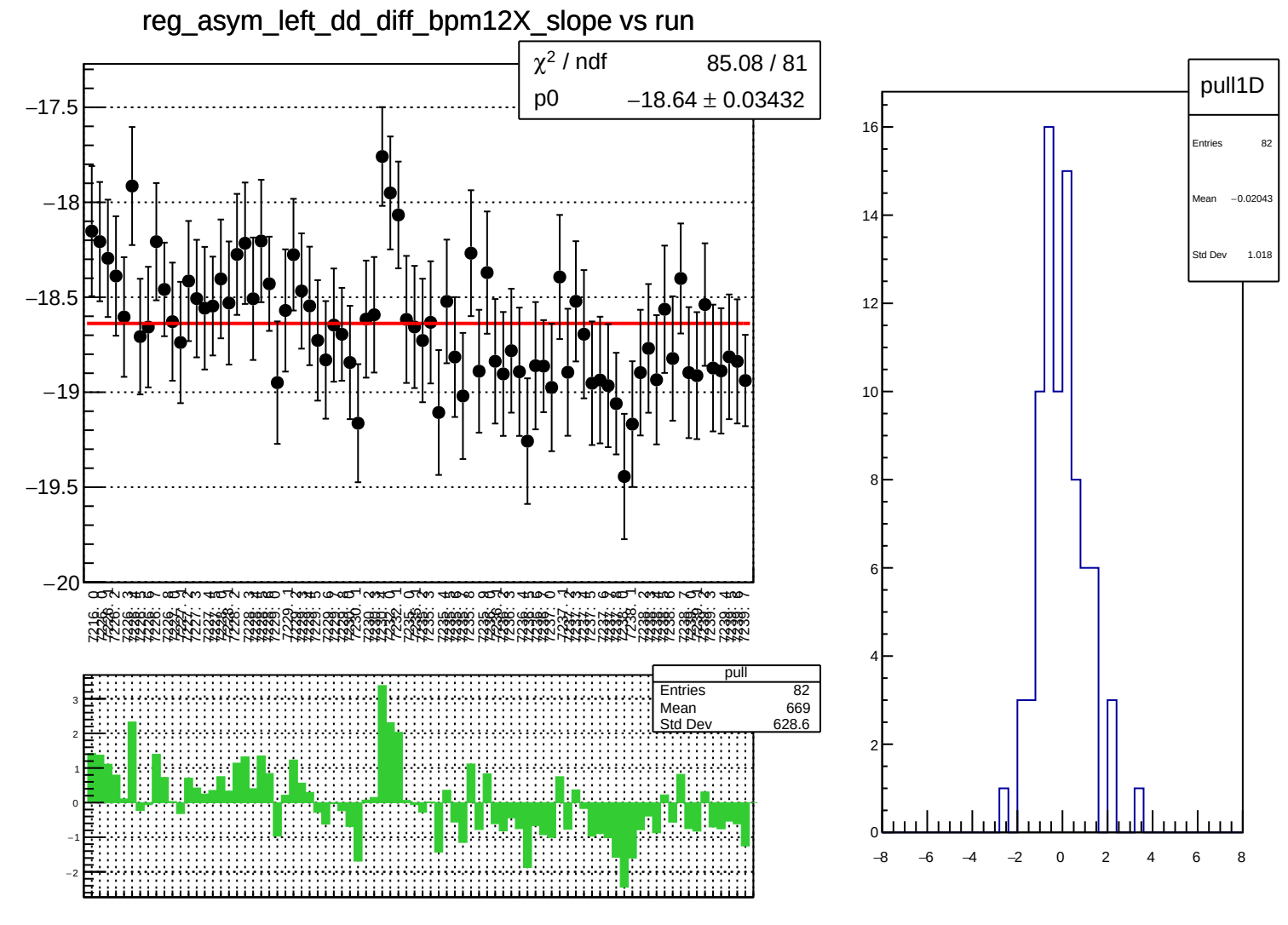

pull1D
Entries 82
Mean −0.01725
Std Dev 0.6525

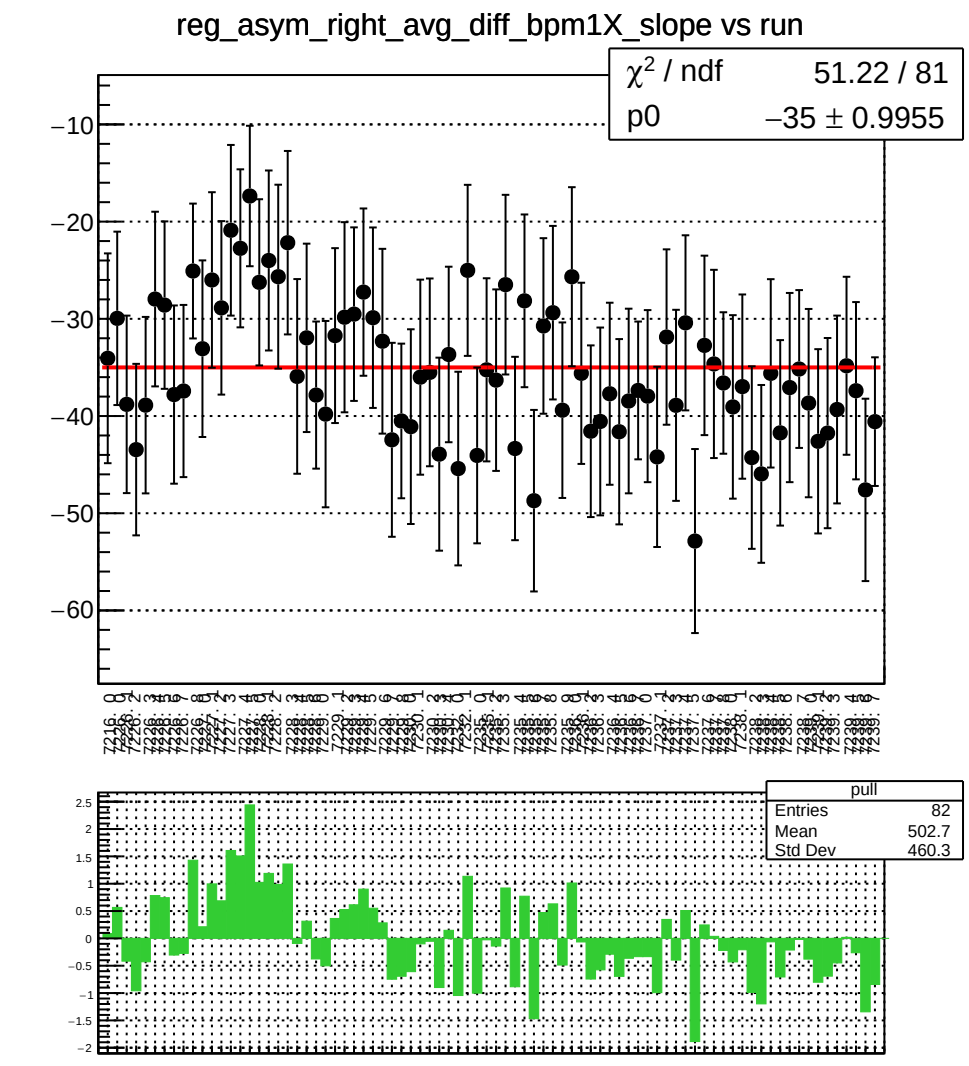

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.75 / 81
p0 5.747 ± 0.9647
pull
Entries 82
Mean 1.454e+05
Std Dev 1.453e+05

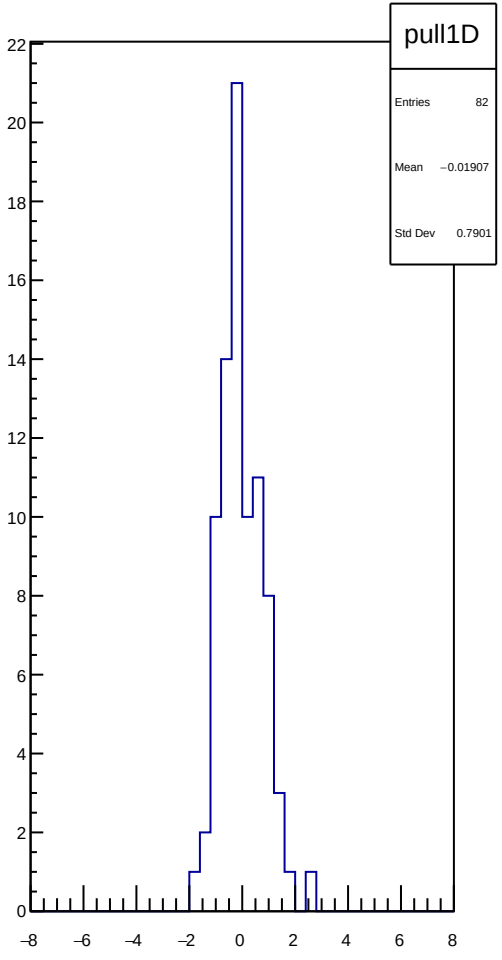

pull1D
Entries 82
Mean 2.38e−05
Std Dev 0.6694

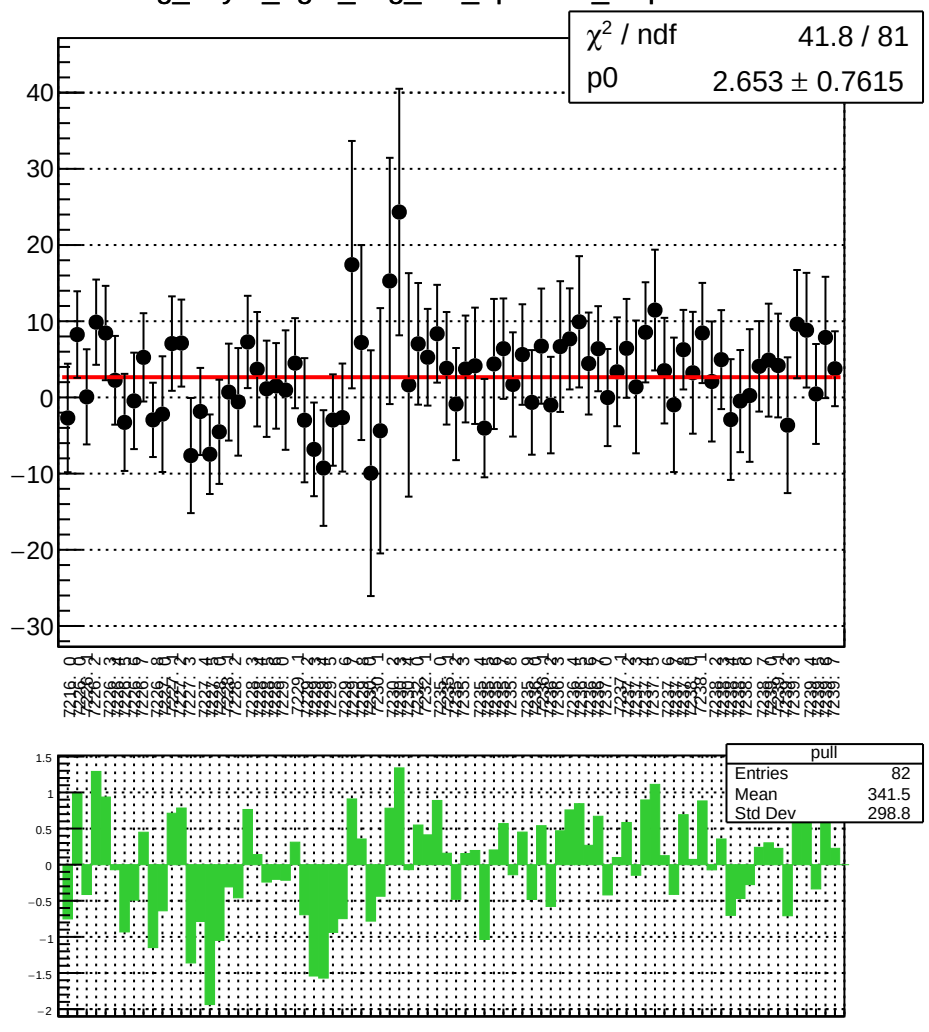

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.27 / 81
p0 6.864 ± 0.7947
pull
Entries 82
Mean −105.6
Std Dev 148.6

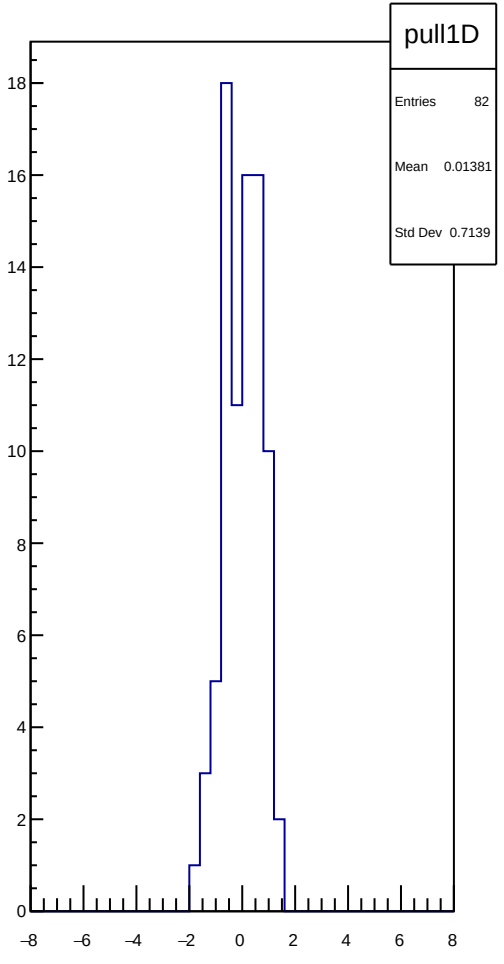

pull1D
Entries 82
Mean 0.01817
Std Dev 0.6172

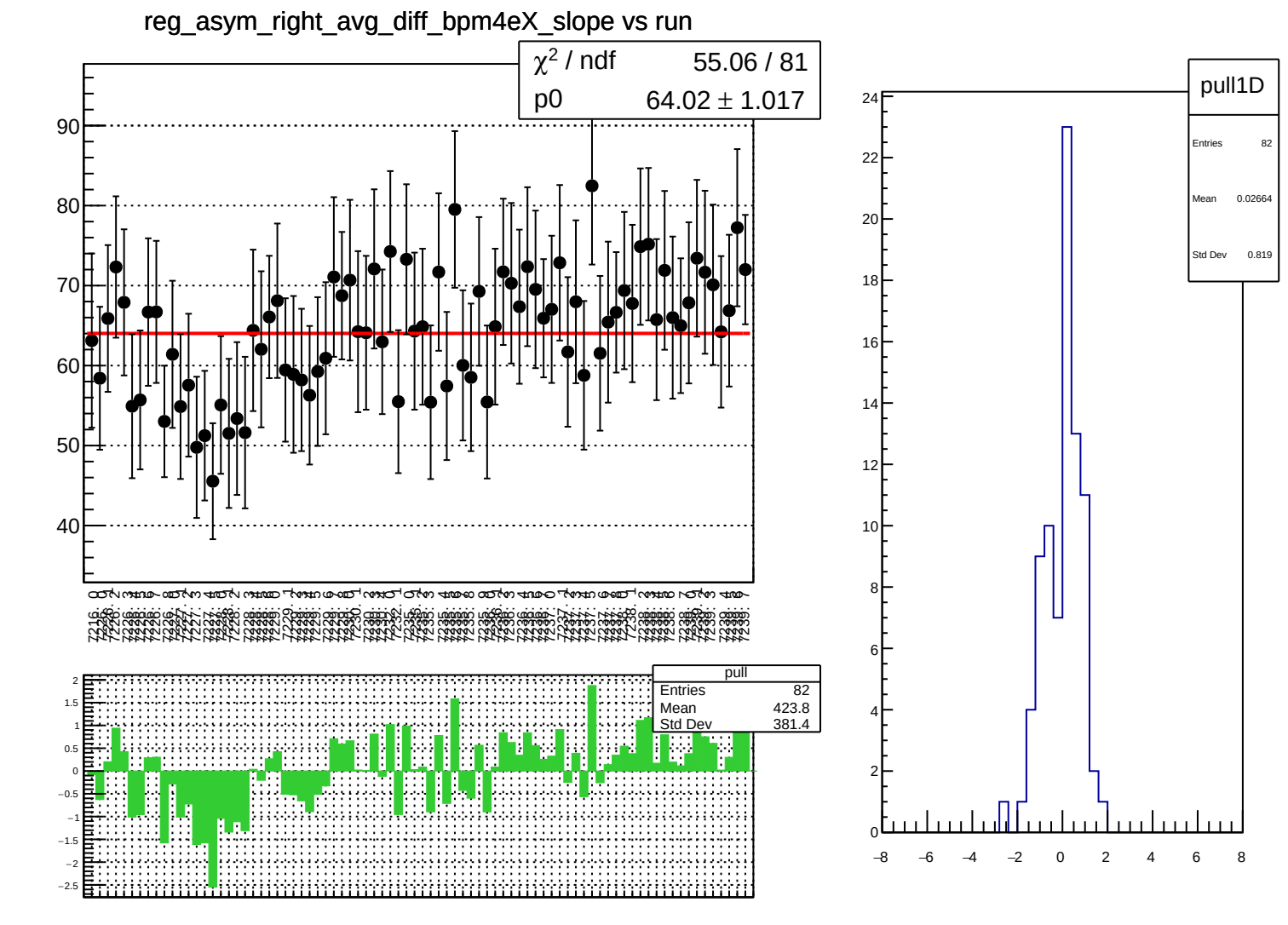

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 85.08 / 81
p0 −18.64 ± 0.03432
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 82
Mean 669
Std Dev 628.6
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.02043
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

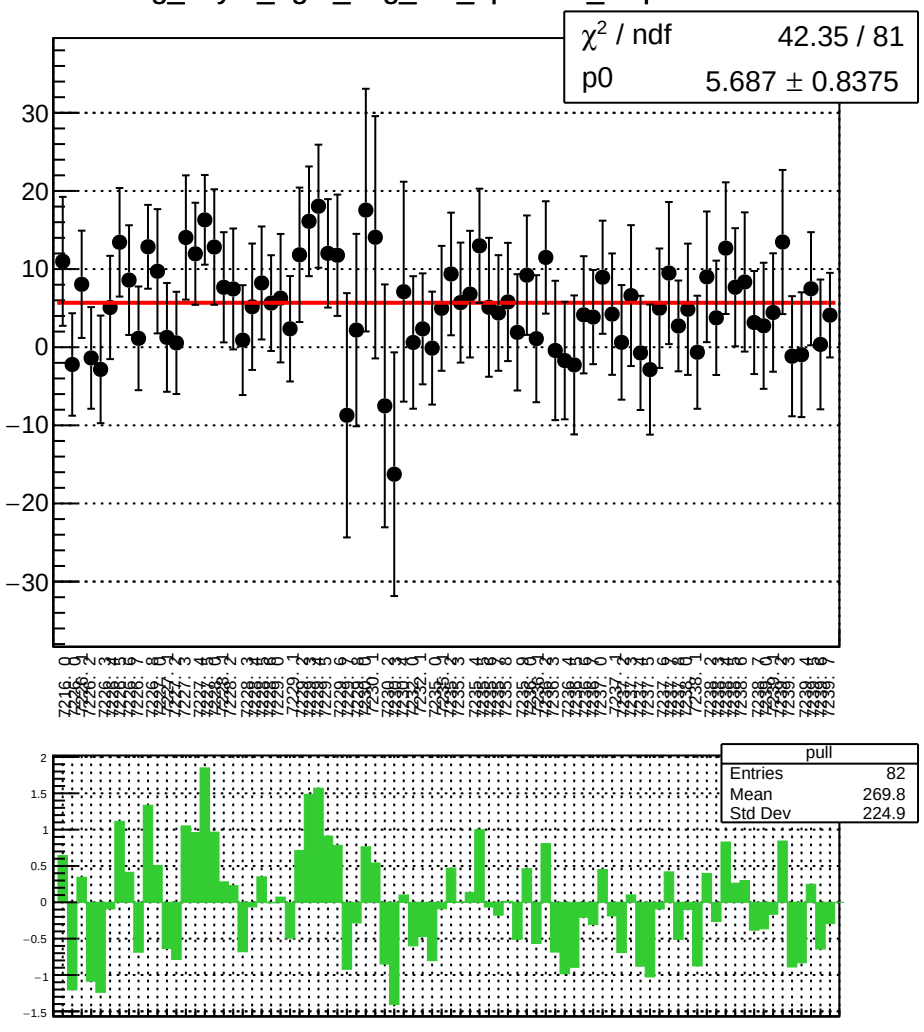

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 51.22 / 81
p0 −35 ± 0.9955
pull
Entries 82
Mean 502.7
Std Dev 460.3

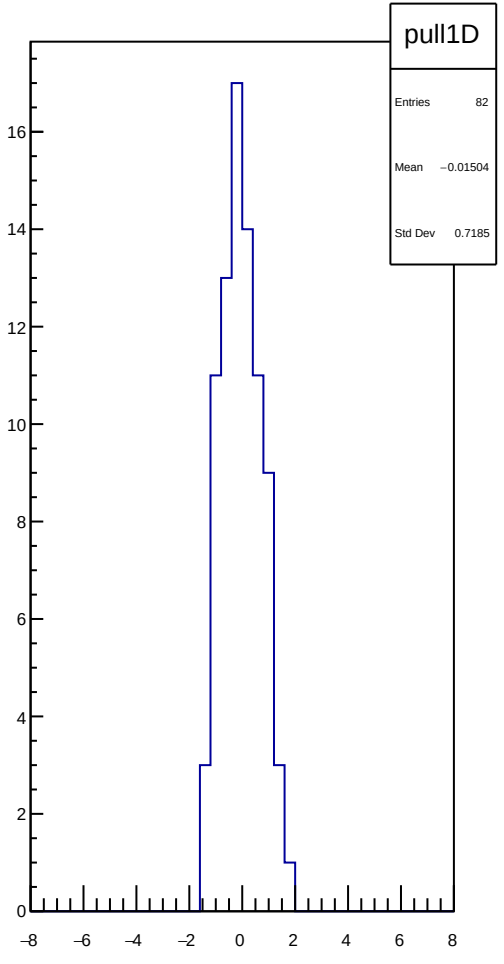

pull1D
Entries 82
Mean −0.01907
Std Dev 0.7901

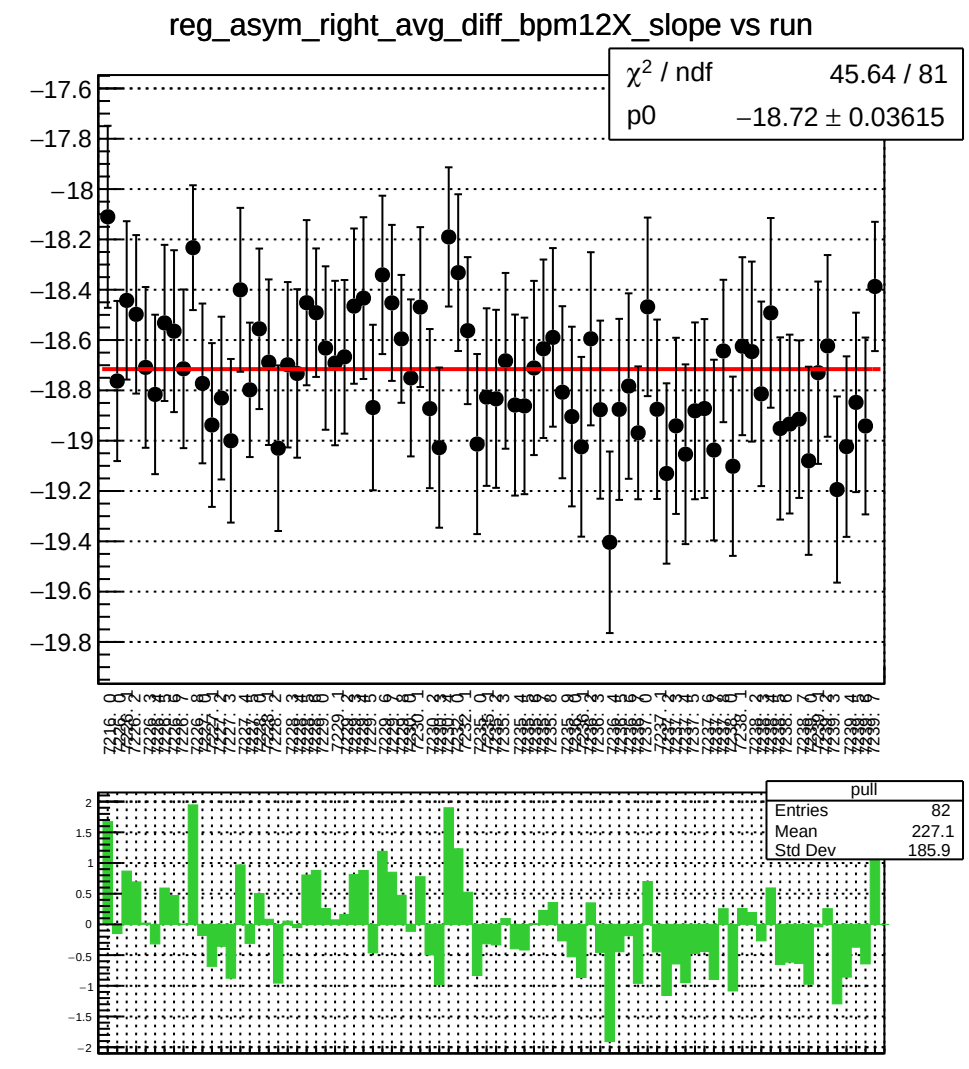

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.8 / 81
p0 2.653 ± 0.7615
pull
Entries 82
Mean 341.5
Std Dev 298.8

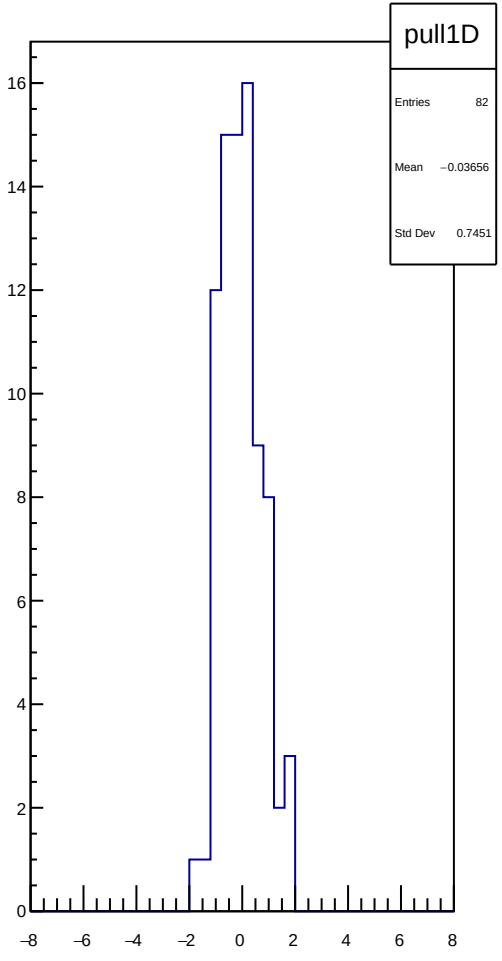

pull1D
Entries 82
Mean 0.01381
Std Dev 0.7139

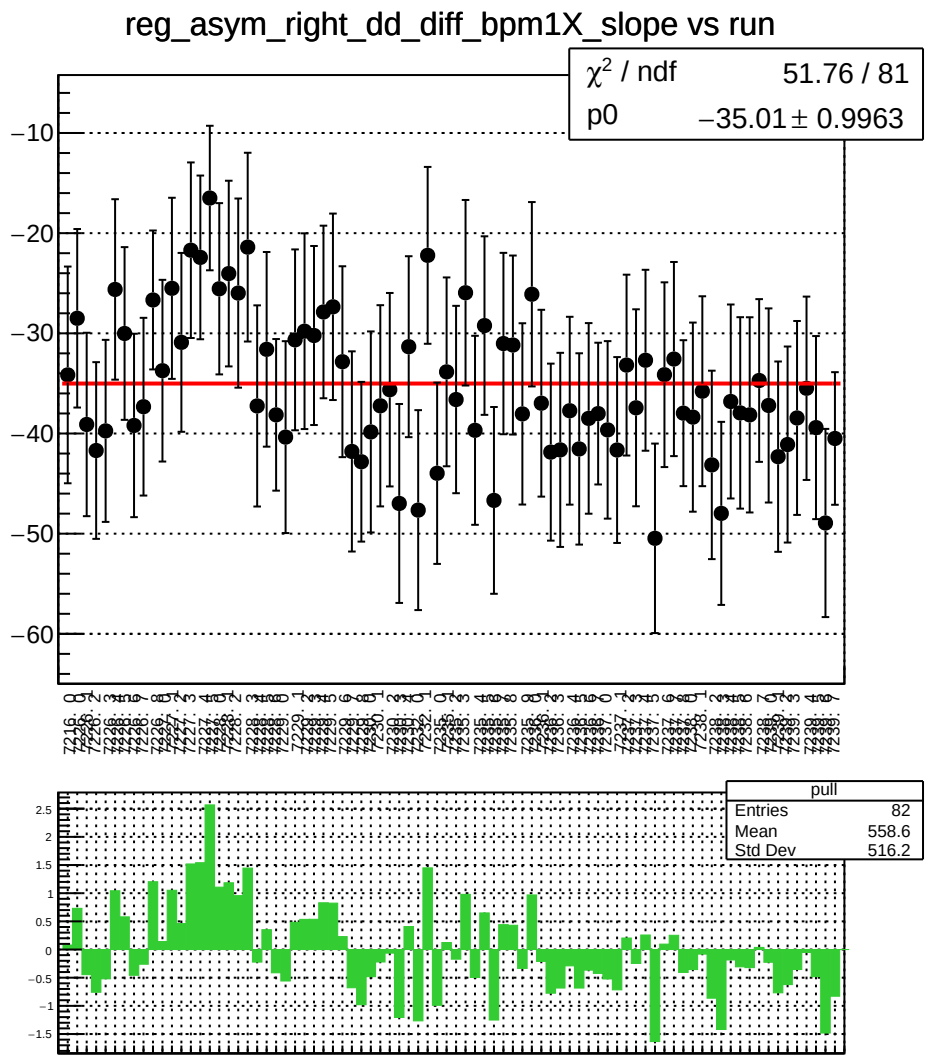

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.06 / 81
p0 64.02 ± 1.017
pull
Entries 82
Mean 423.8
Std Dev 381.4
pull1D
Entries 82
Mean 0.02664
Std Dev 0.819

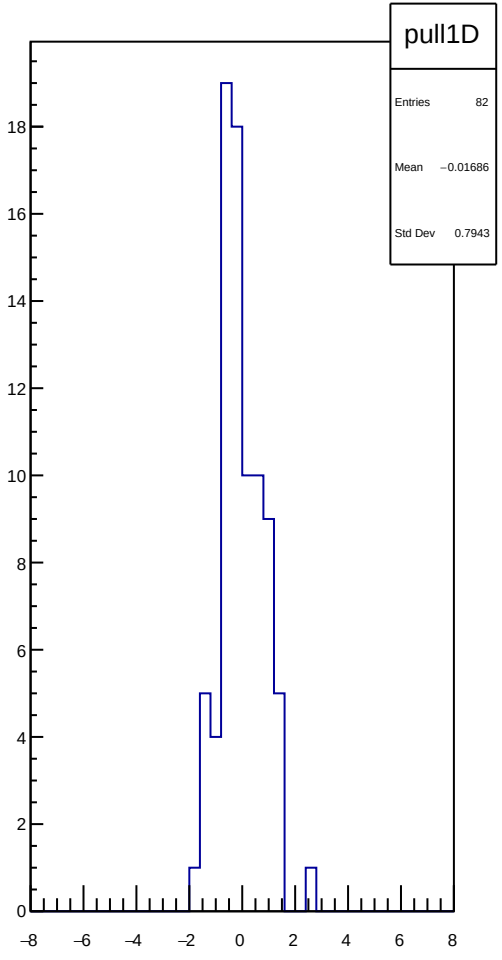

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.35 / 81
p0 5.687 ± 0.8375
pull
Entries 82
Mean 269.8
Std Dev 224.9

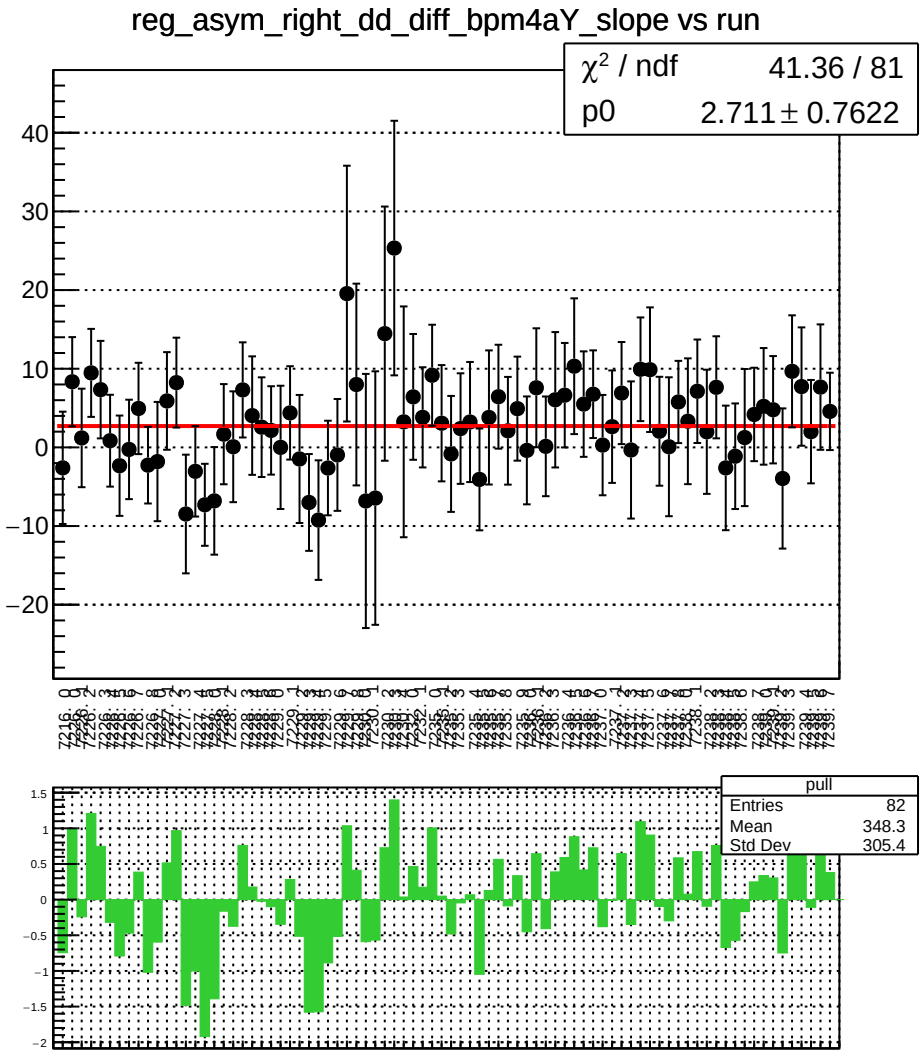

pull1D
Entries 82
Mean −0.01504
Std Dev 0.7185

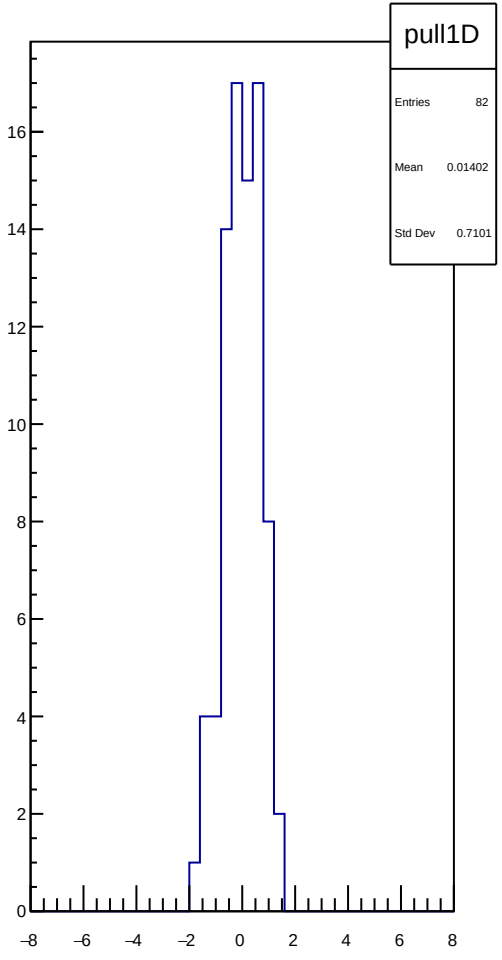

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 45.64 / 81
p0 −18.72 ± 0.03615
pull
Entries 82
Mean 227.1
Std Dev 185.9

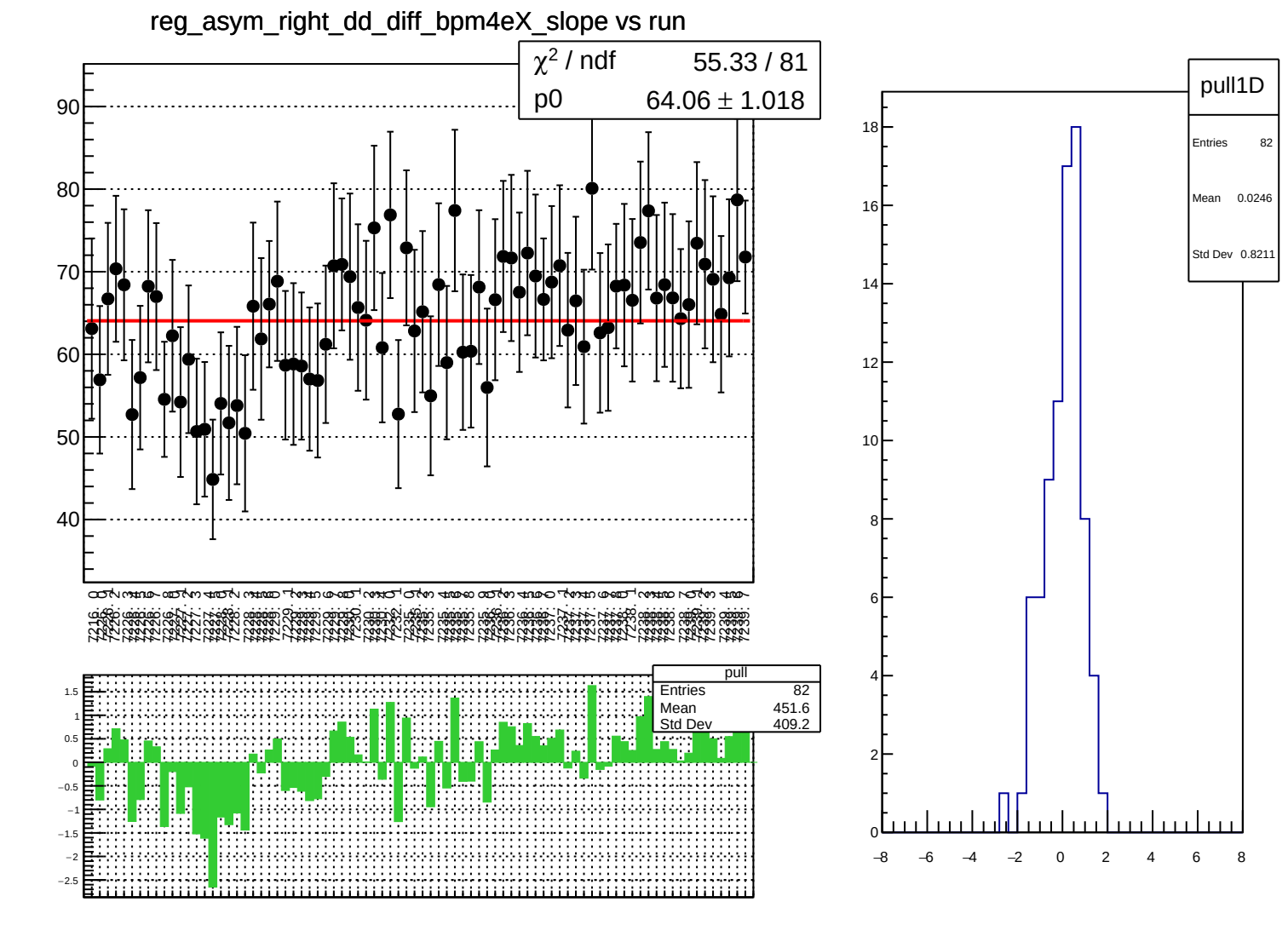

pull1D
Entries 82
Mean −0.03656
Std Dev 0.7451

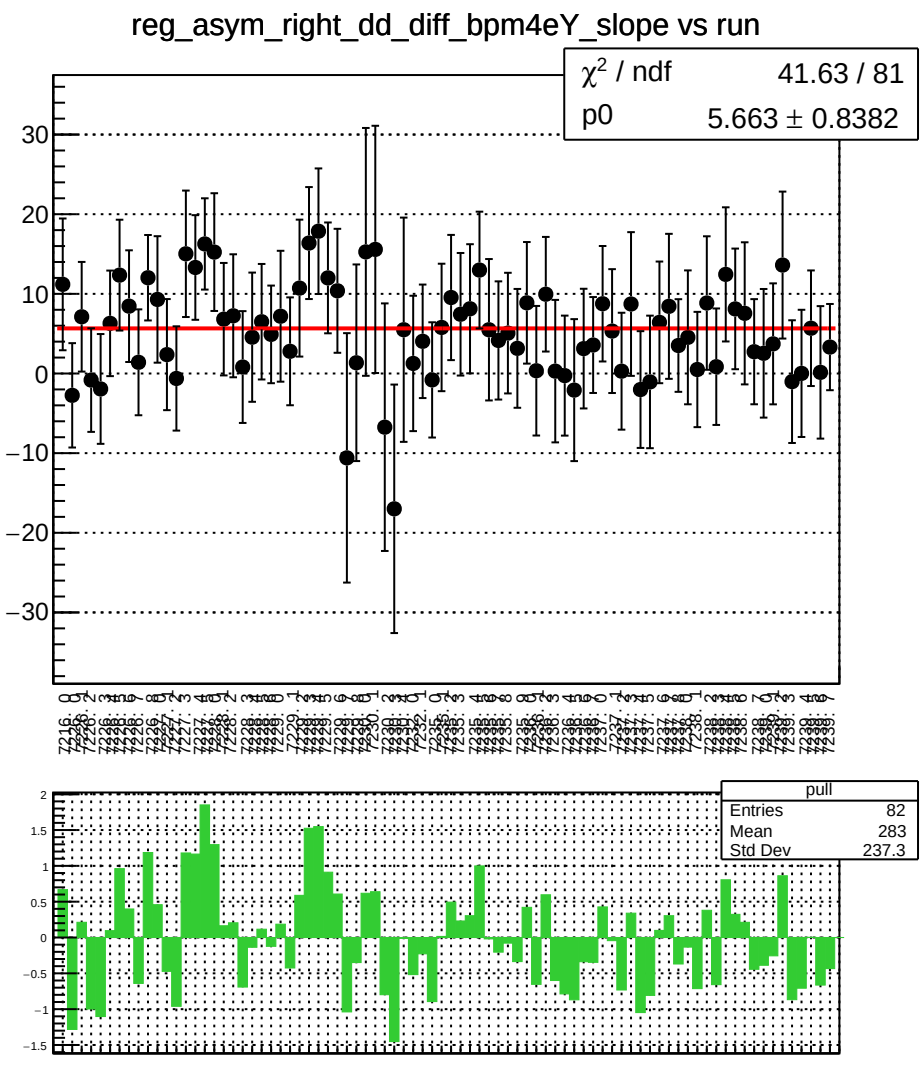

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 51.76 / 81
p0 −35.01 ± 0.9963
pull
Entries 82
Mean 558.6
Std Dev 516.2

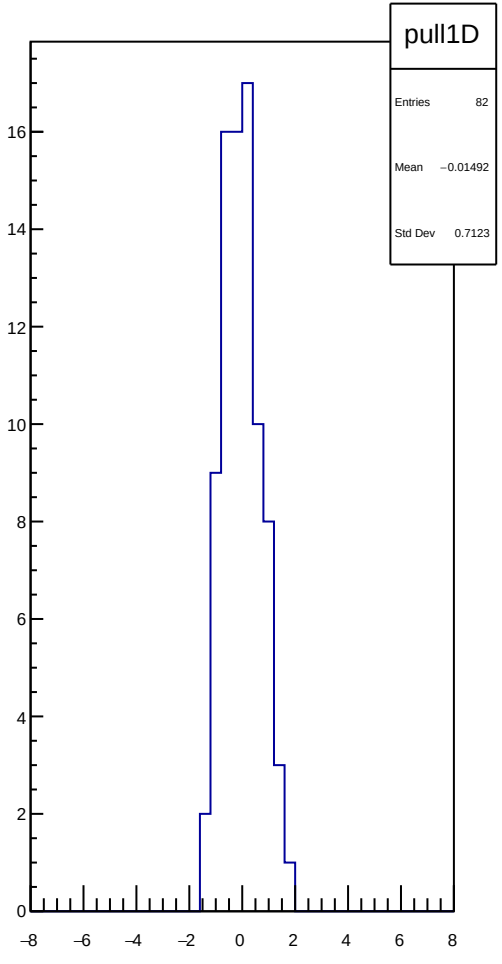

pull1D
Entries 82
Mean −0.01686
Std Dev 0.7943

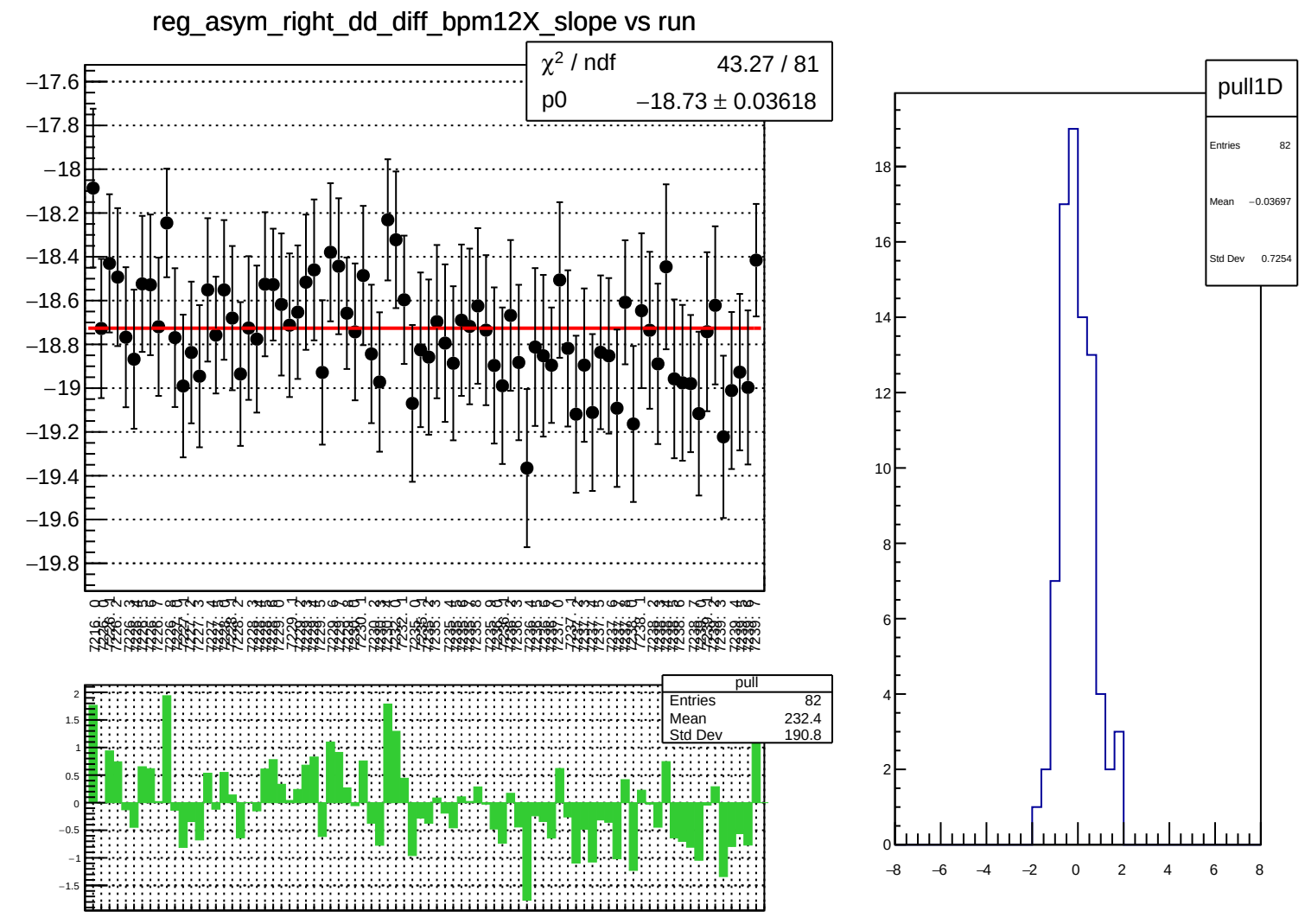

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.36 / 81
p0 2.711 ± 0.7622
pull
Entries 82
Mean 348.3
Std Dev 305.4

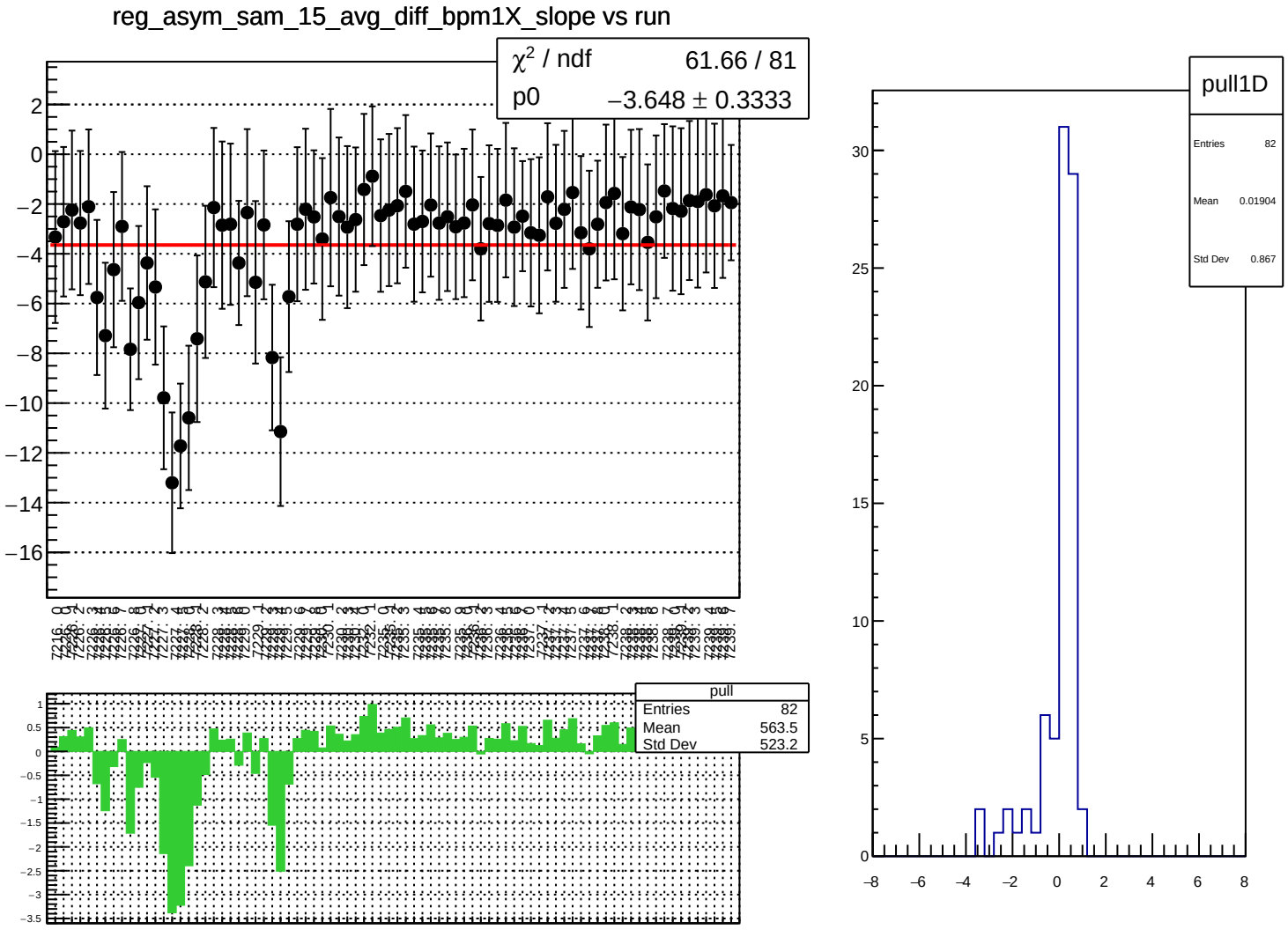

pull1D
Entries 82
Mean 0.01402
Std Dev 0.7101

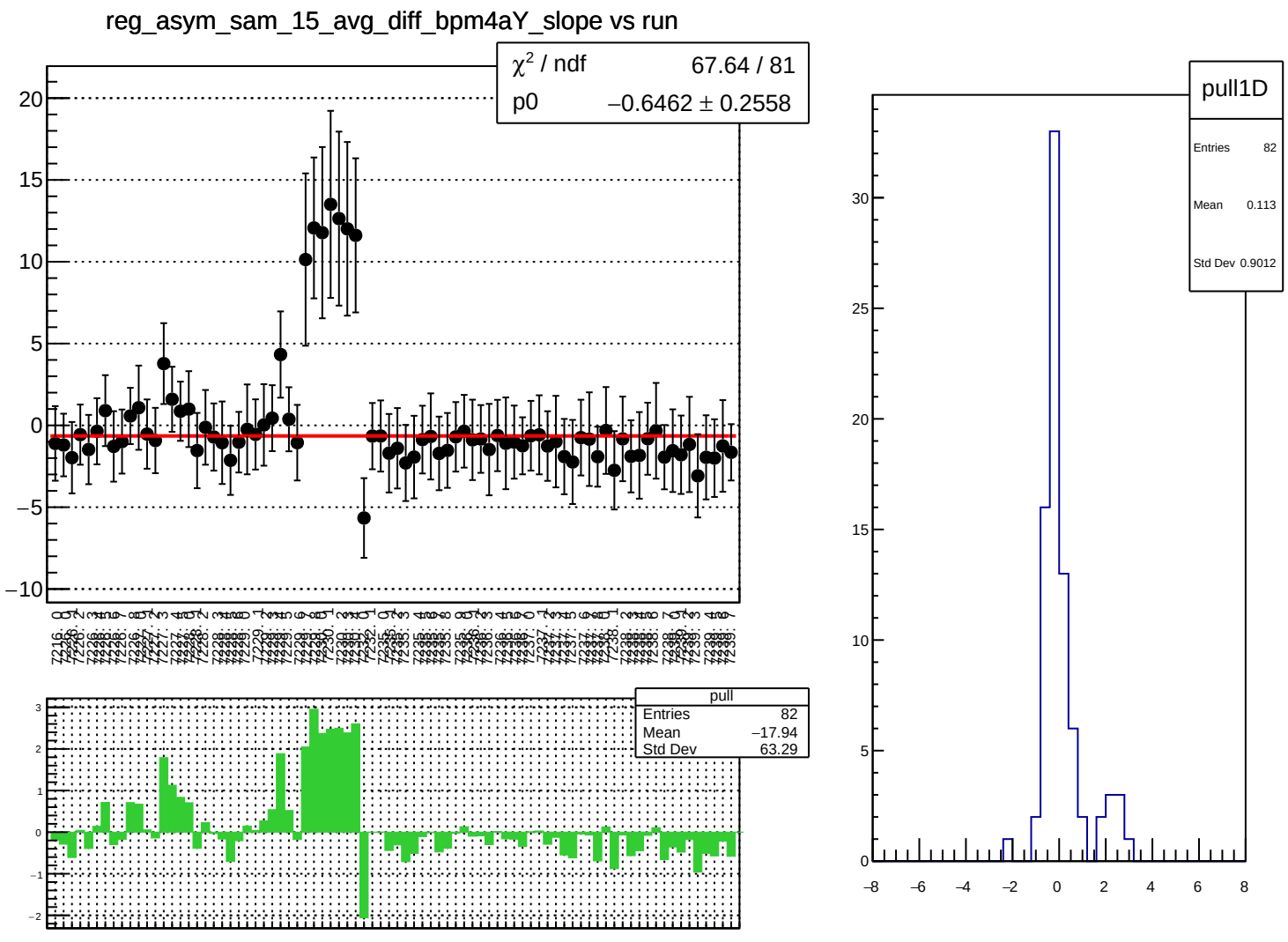

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 55.33 / 81
p0 64.06 ± 1.018
pull
Entries 82
Mean 451.6
Std Dev 409.2
pull1D
Entries 82
Mean 0.0246
Std Dev 0.8211

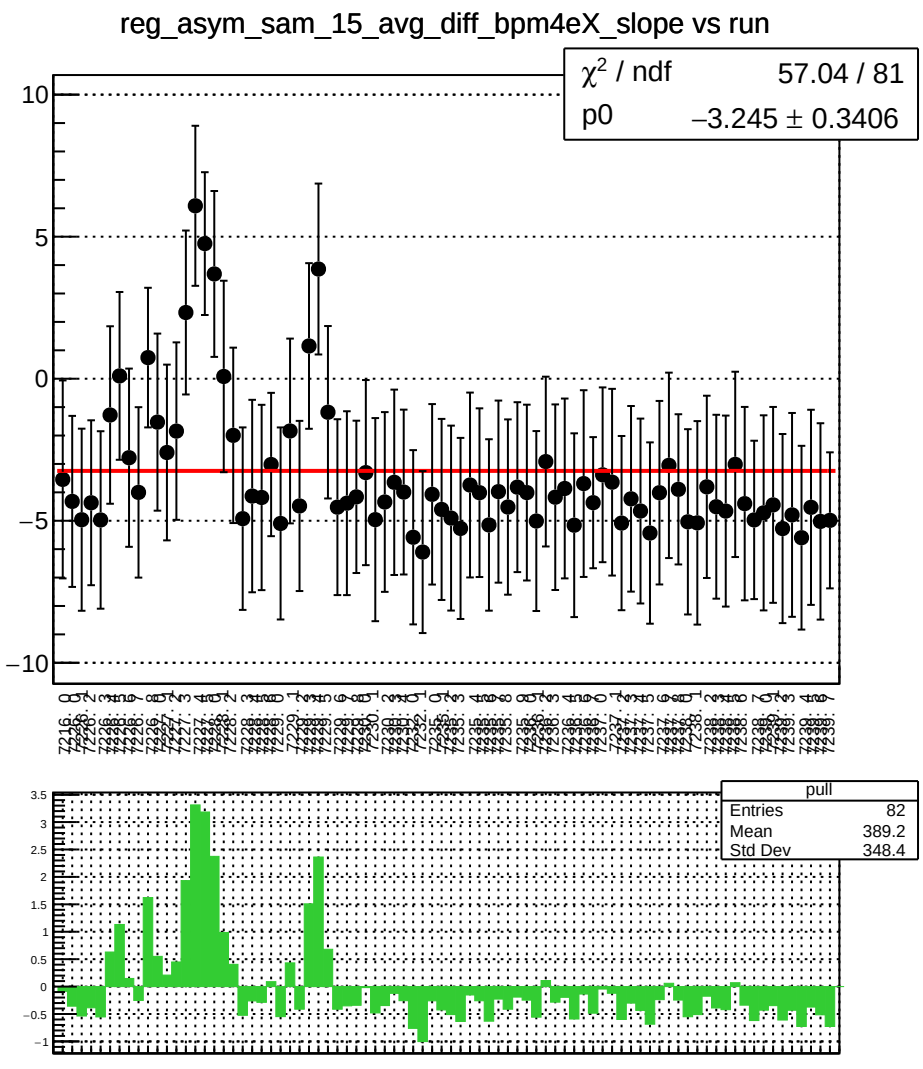

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.63 / 81
p0 5.663 ± 0.8382
pull
Entries 82
Mean 283
Std Dev 237.3

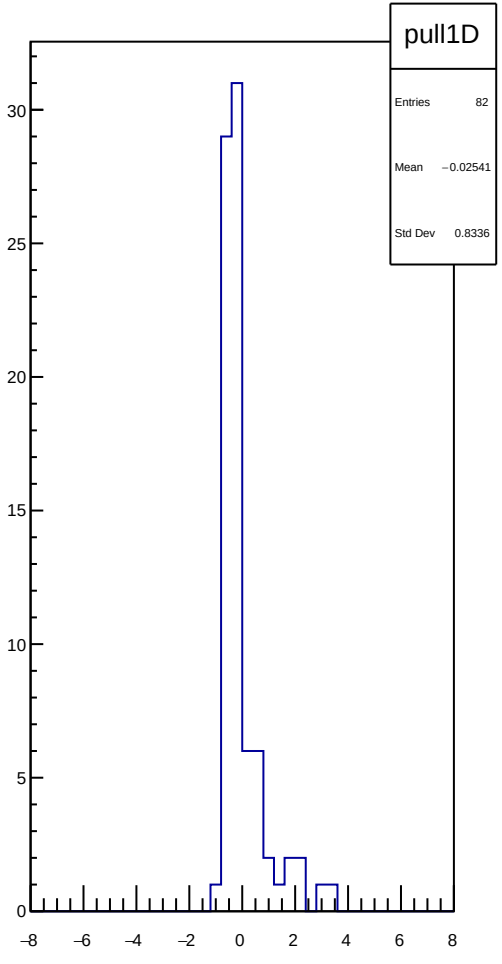

pull1D
Entries 82
Mean −0.01492
Std Dev 0.7123

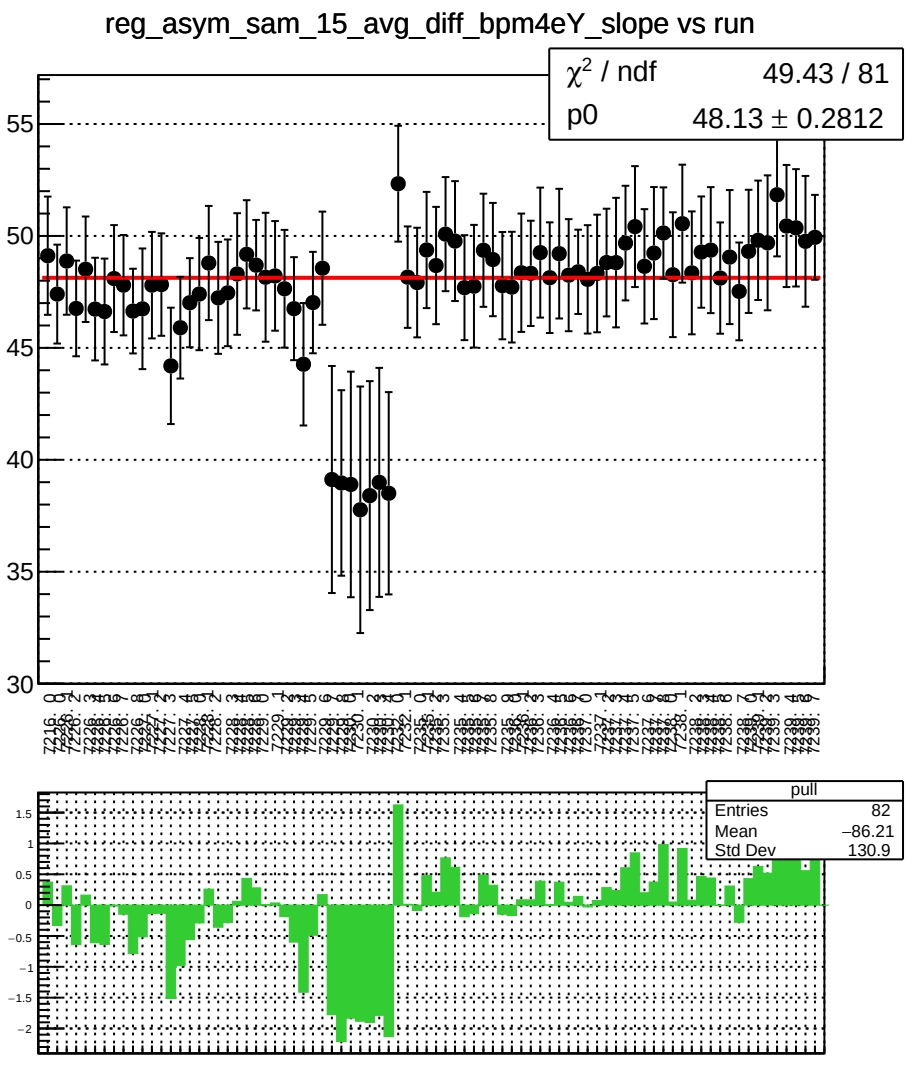

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 43.27 / 81
p0 −18.73 ± 0.03618
pull
Entries 82
Mean 232.4
Std Dev 190.8
pull1D
Entries 82
Mean −0.03697
Std Dev 0.7254

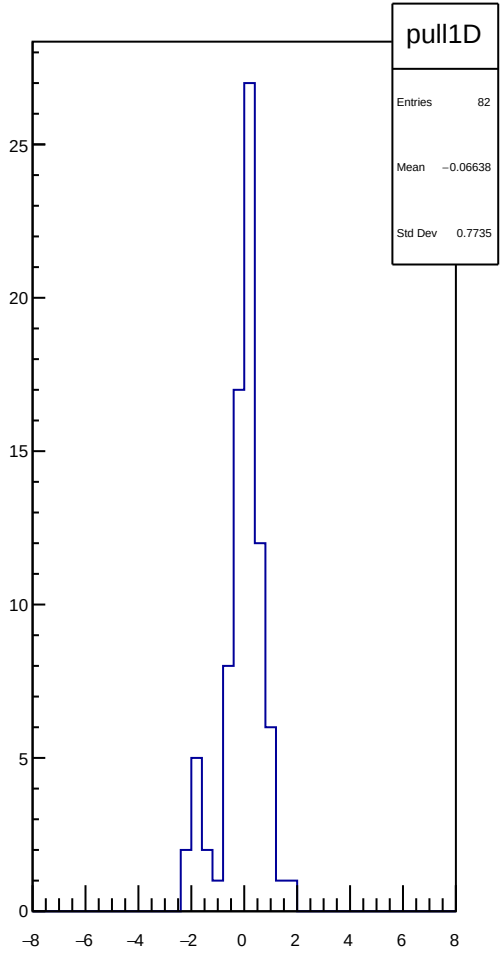

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 61.66 / 81
p0 −3.648 ± 0.3333
pull
Entries 82
Mean 563.5
Std Dev 523.2
pull1D
Entries 82
Mean 0.01904
Std Dev 0.867

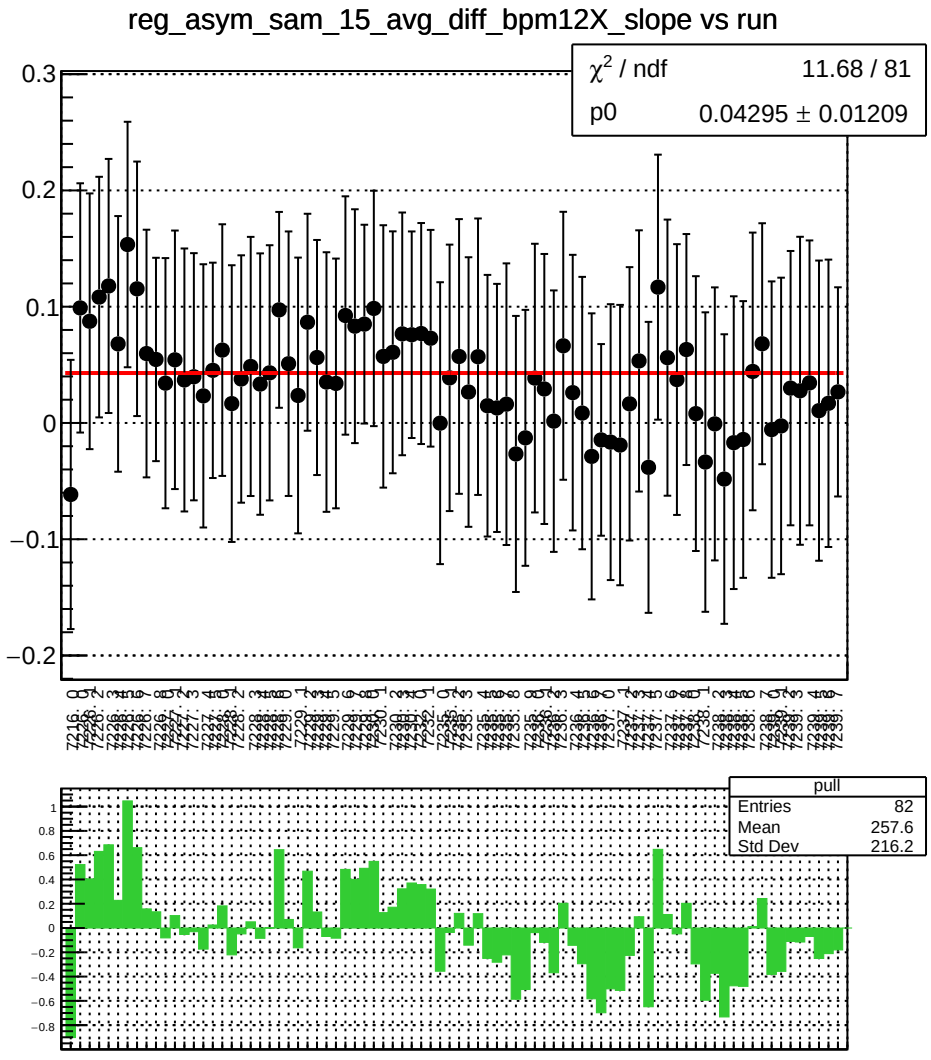

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.64 / 81
p0 −0.6462 ± 0.2558
pull
Entries 82
Mean −17.94
Std Dev 63.29
pull1D
Entries 82
Mean 0.113
Std Dev 0.9012

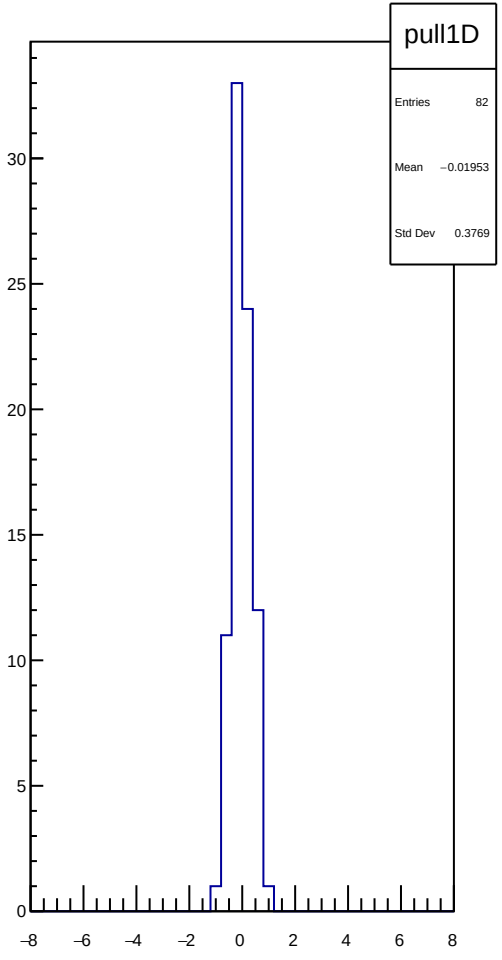

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.04 / 81
p0 −3.245 ± 0.3406
pull
Entries 82
Mean 389.2
Std Dev 348.4

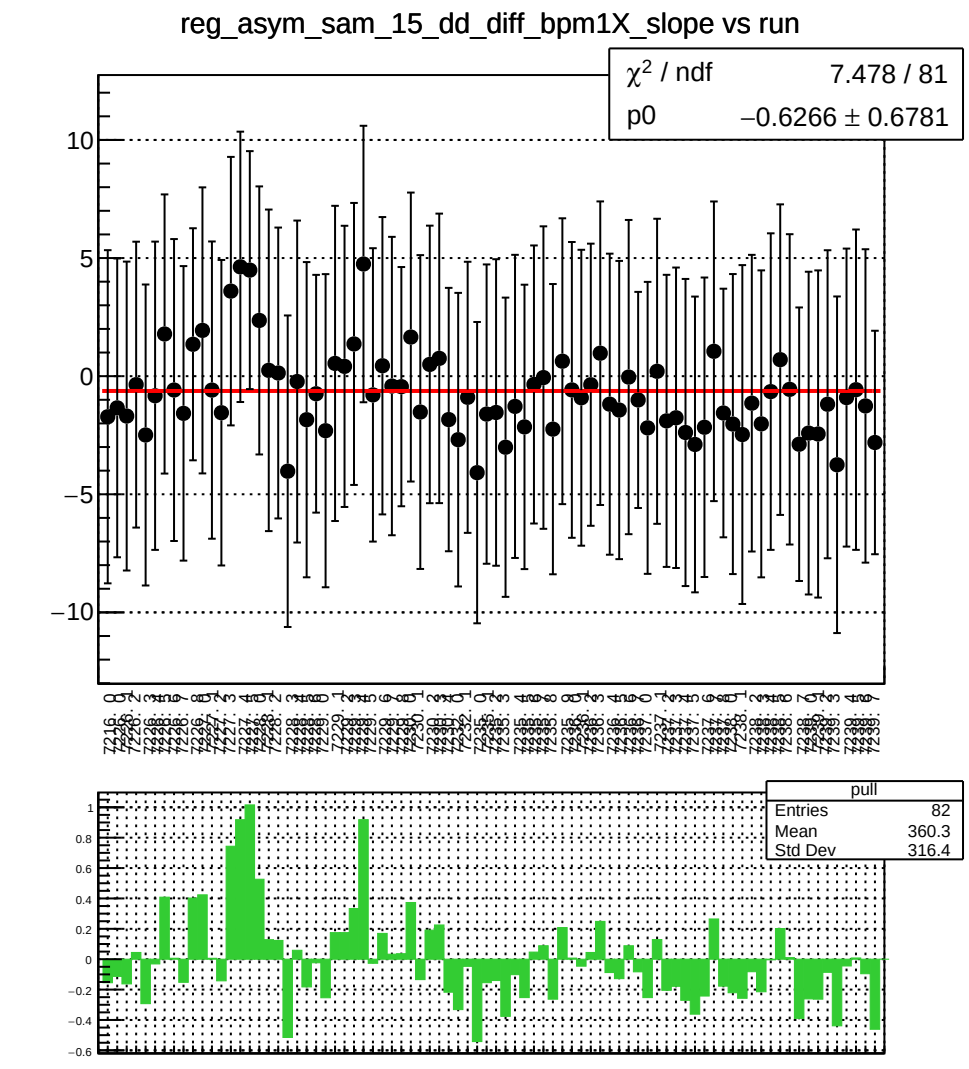

pull1D
Entries 82
Mean −0.02541
Std Dev 0.8336

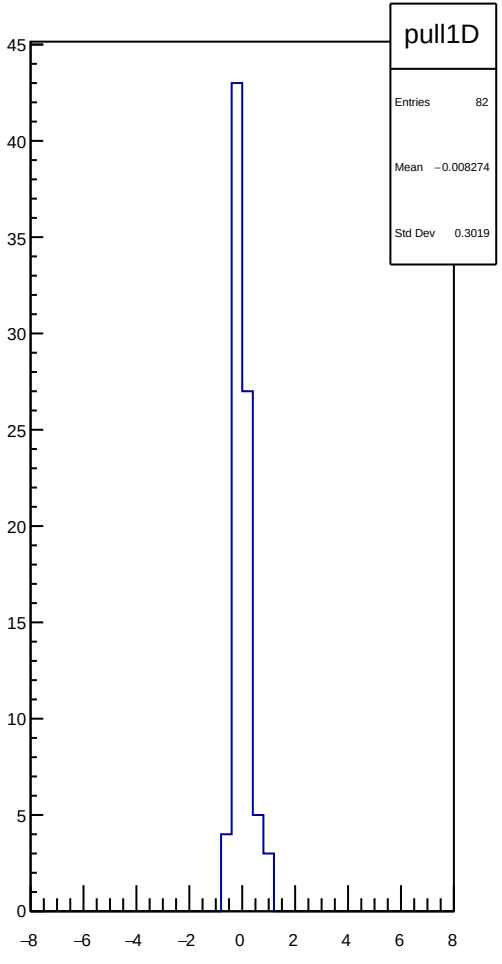

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.43 / 81
p0 48.13 ± 0.2812
pull
Entries 82
Mean −86.21
Std Dev 130.9

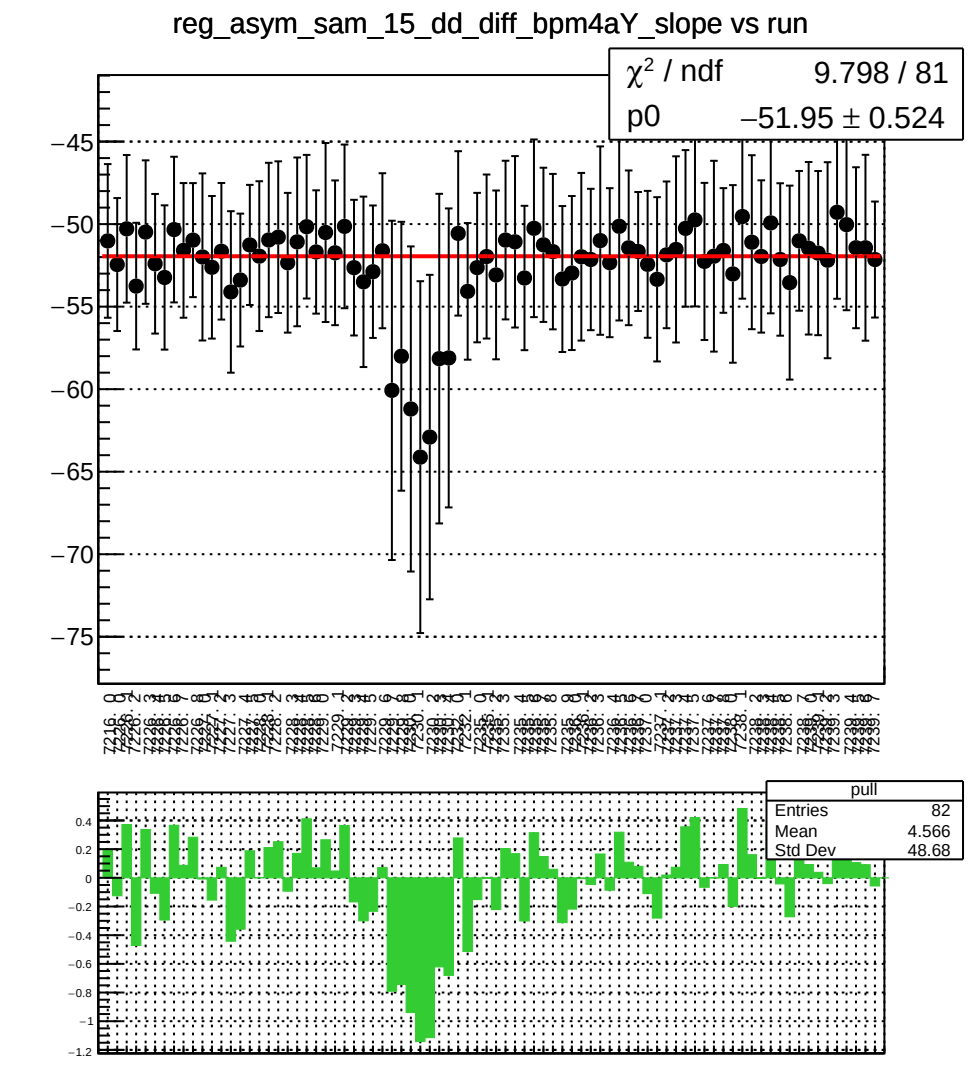

pull1D
Entries 82
Mean −0.06638
Std Dev 0.7735

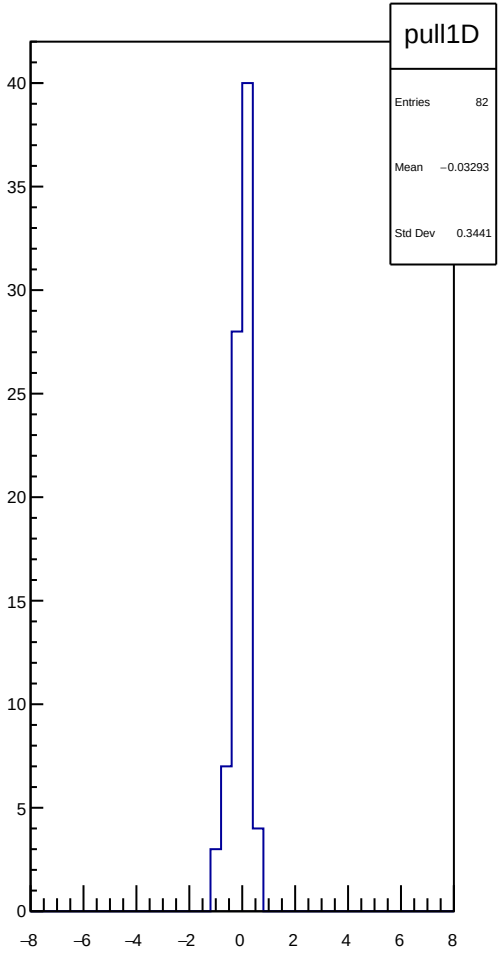

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 11.68 / 81
p0 0.04295 ± 0.01209
pull
Entries 82
Mean 257.6
Std Dev 216.2

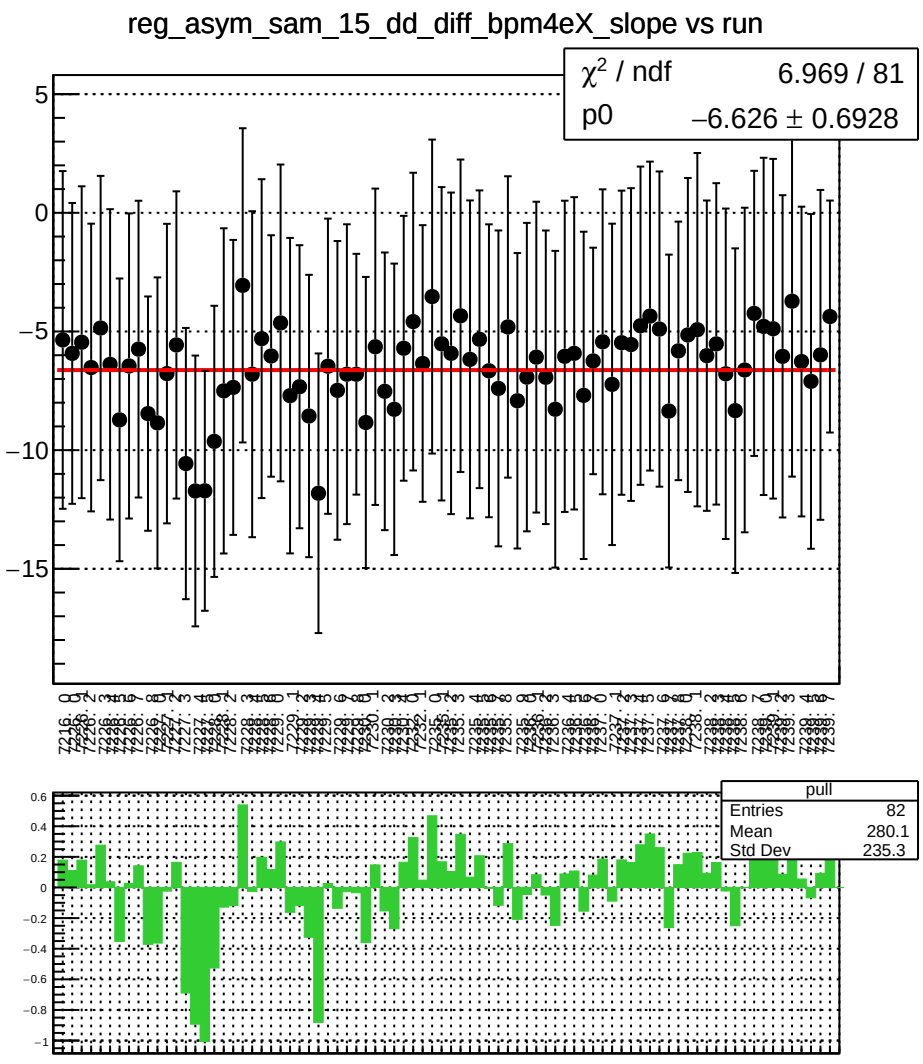

pull1D
Entries 82
Mean −0.01953
Std Dev 0.3769

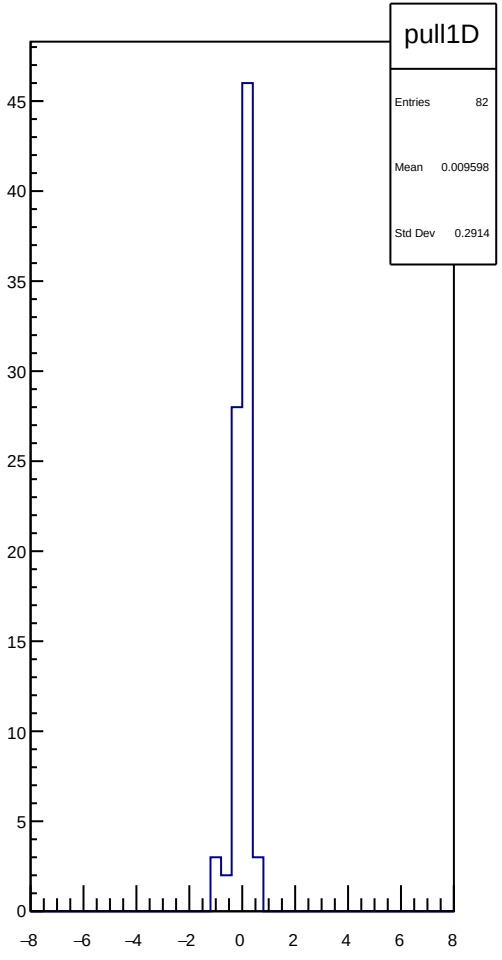

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 7.478 / 81
p0 −0.6266 ± 0.6781
pull
Entries 82
Mean 360.3
Std Dev 316.4

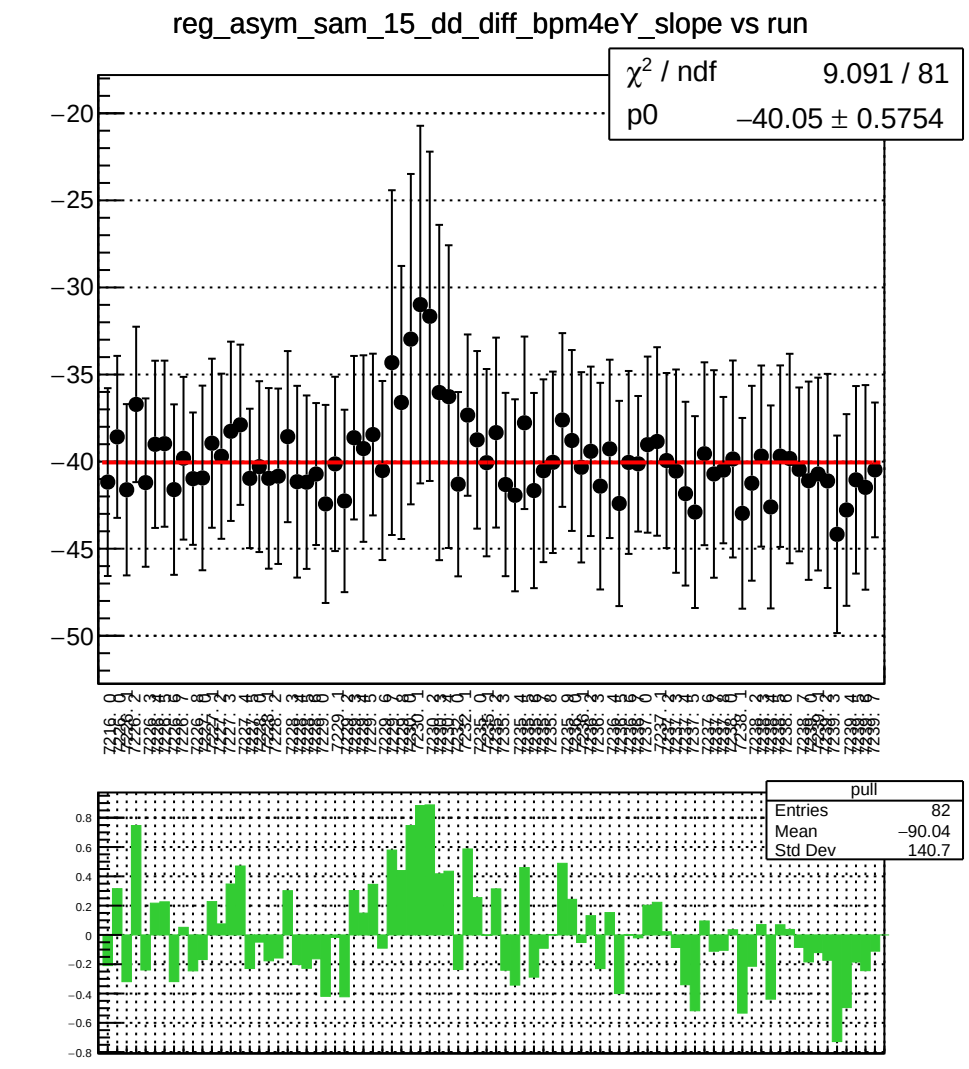

pull1D
Entries 82
Mean −0.008274
Std Dev 0.3019

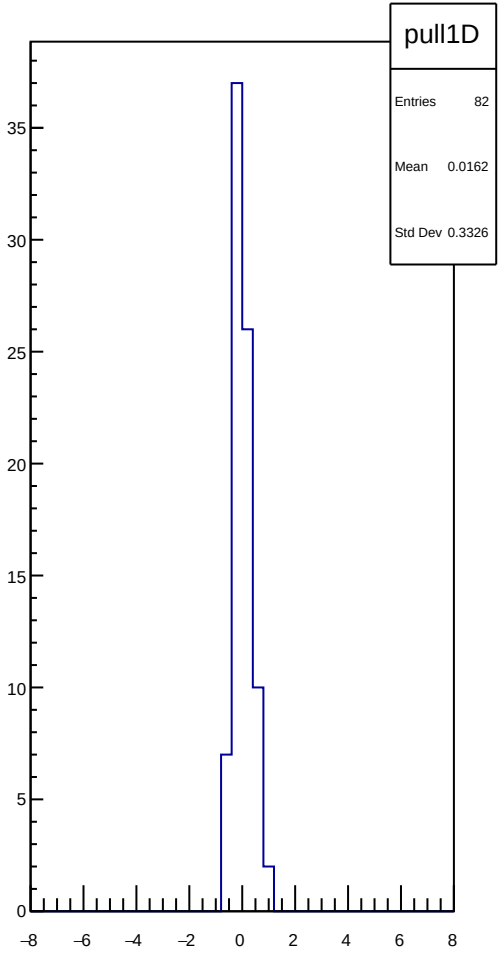

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.798 / 81
p0 −51.95 ± 0.524
pull
Entries 82
Mean 4.566
Std Dev 48.68

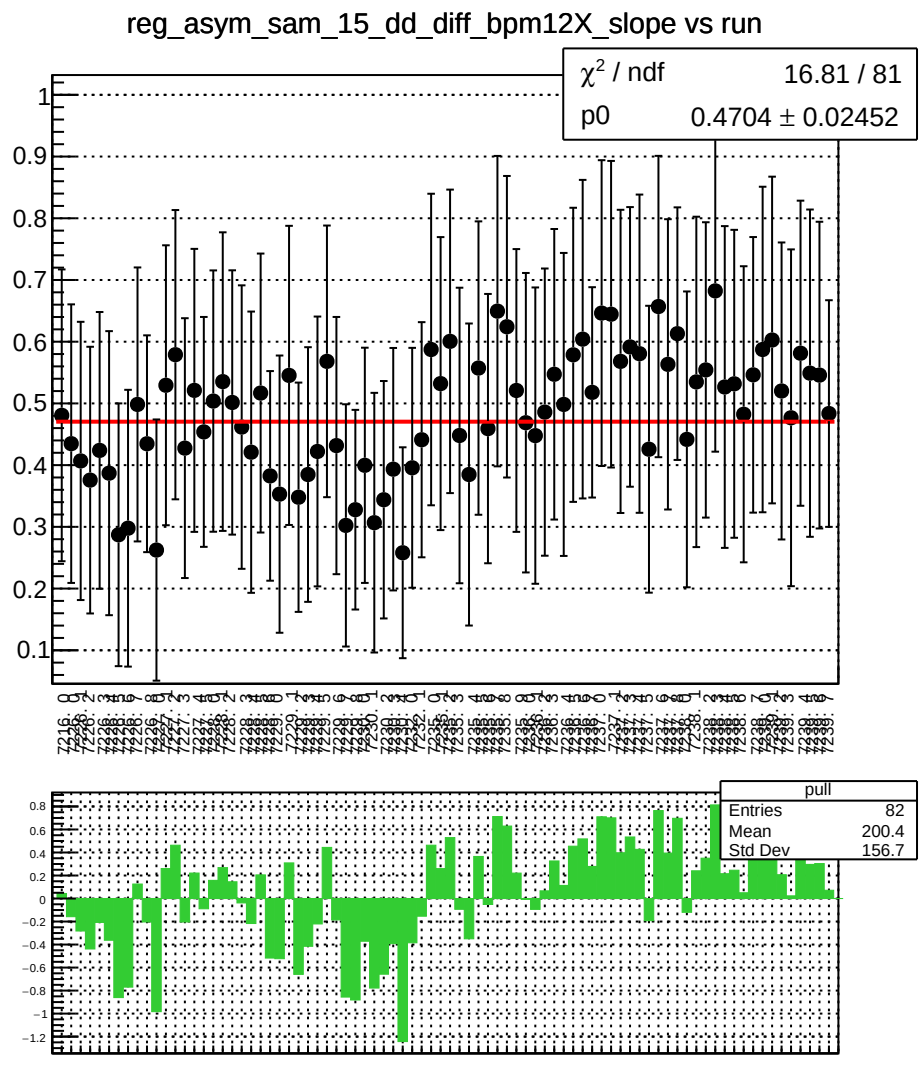

pull1D
Entries 82
Mean −0.03293
Std Dev 0.3441

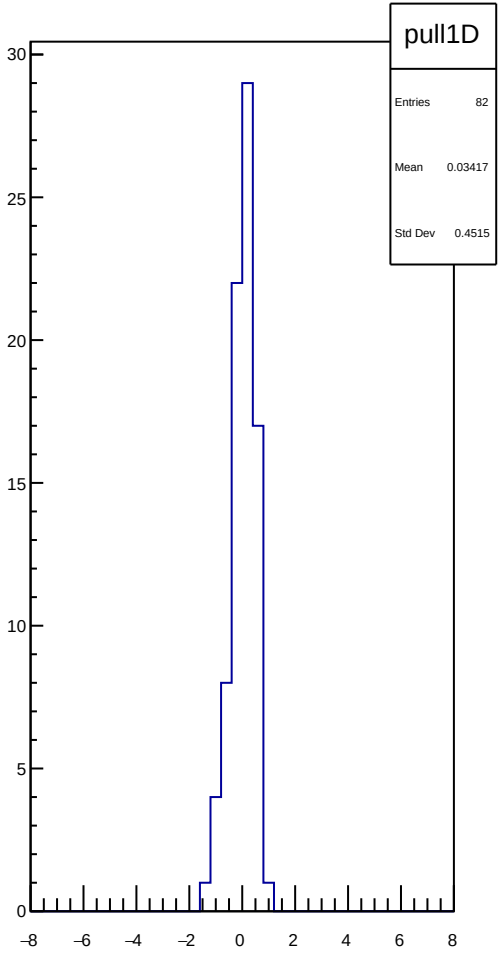

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.969 / 81
p0 −6.626 ± 0.6928
pull
Entries 82
Mean 280.1
Std Dev 235.3

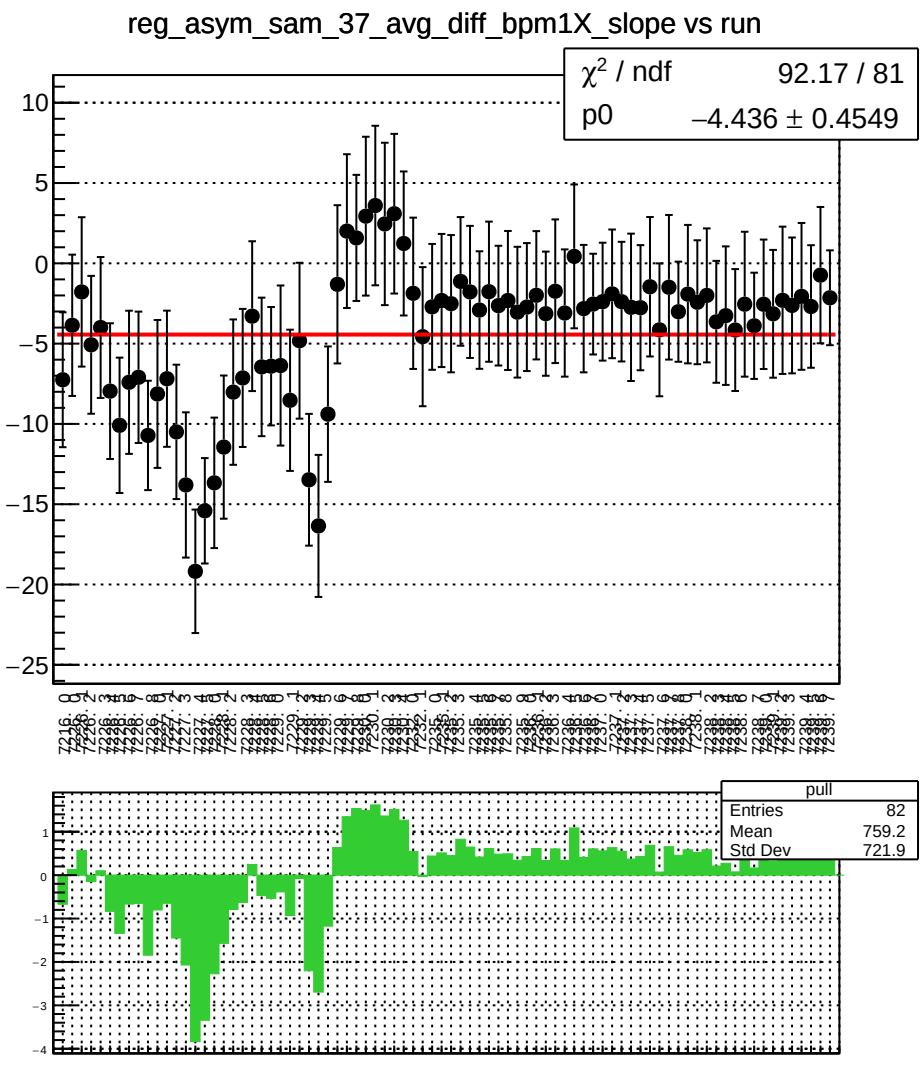

pull1D
Entries 82
Mean 0.009598
Std Dev 0.2914

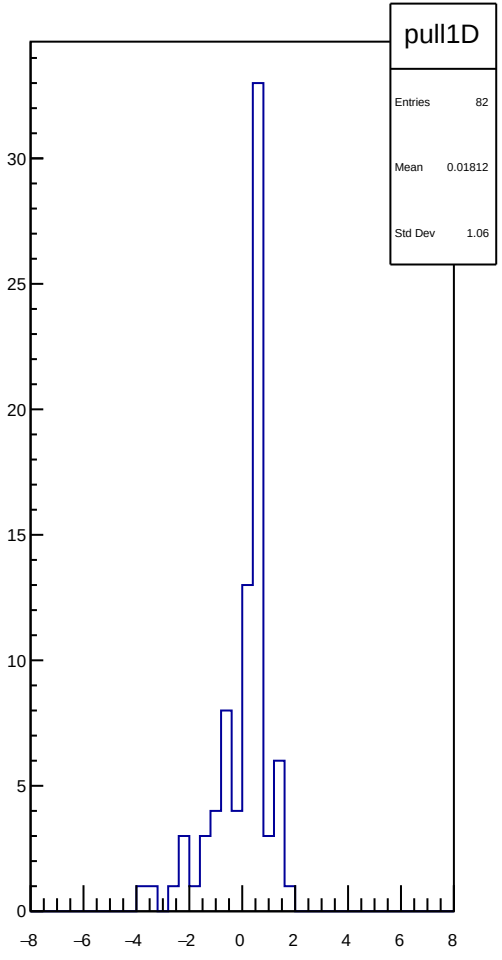

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.091 / 81
p0 −40.05 ± 0.5754
pull
Entries 82
Mean −90.04
Std Dev 140.7

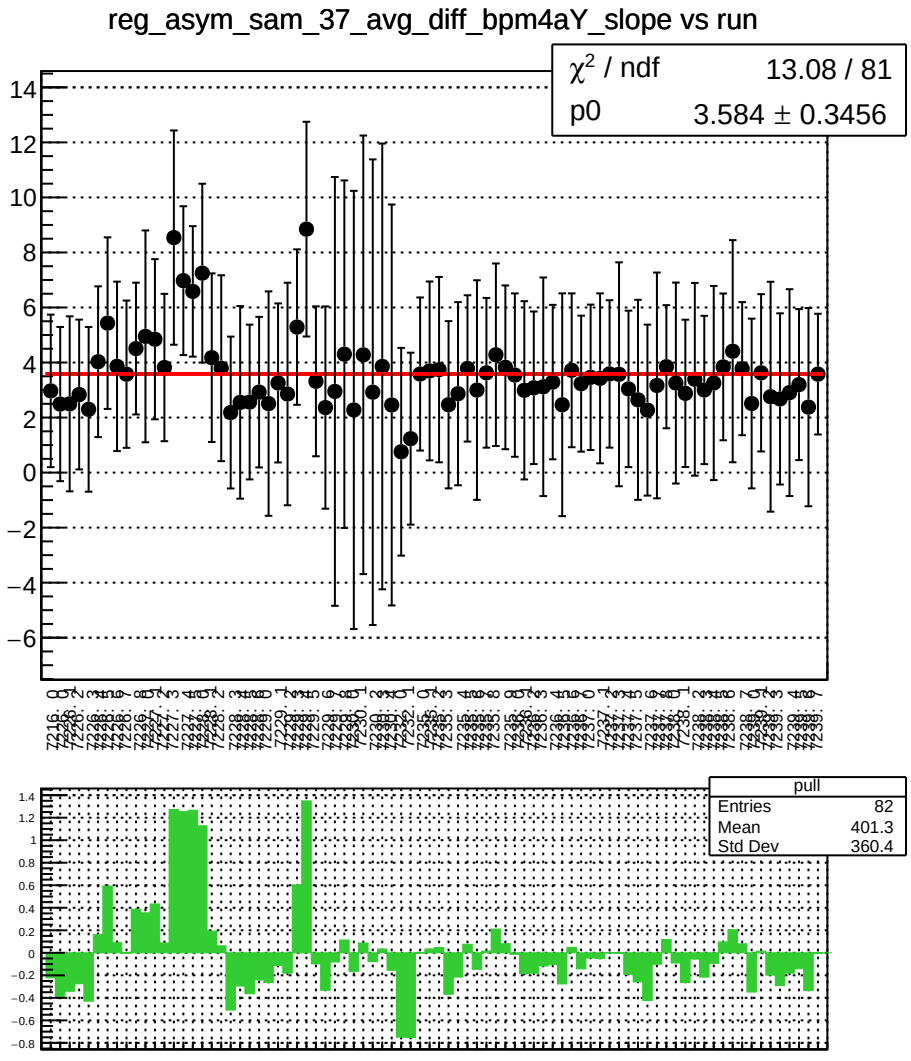

pull1D
Entries 82
Mean 0.0162
Std Dev 0.3326

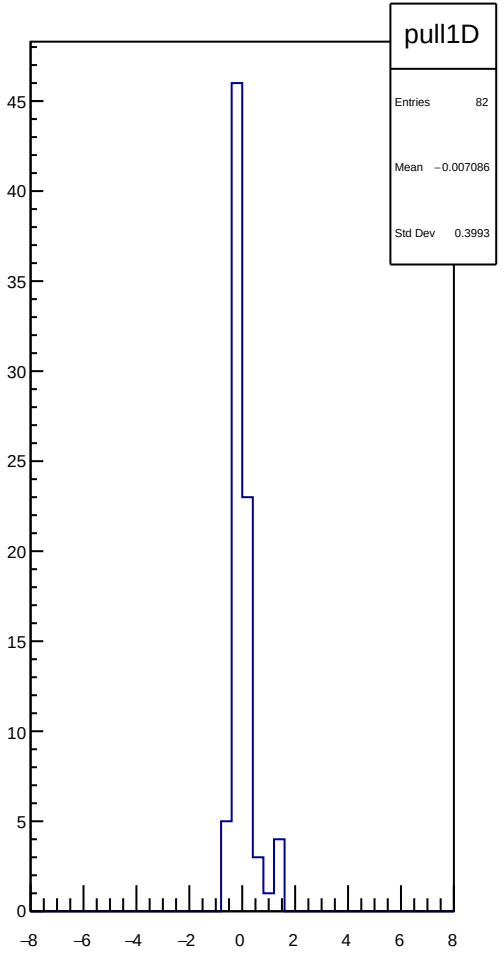

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 16.81 / 81
p0 0.4704 ± 0.02452
pull
Entries 82
Mean 200.4
Std Dev 156.7

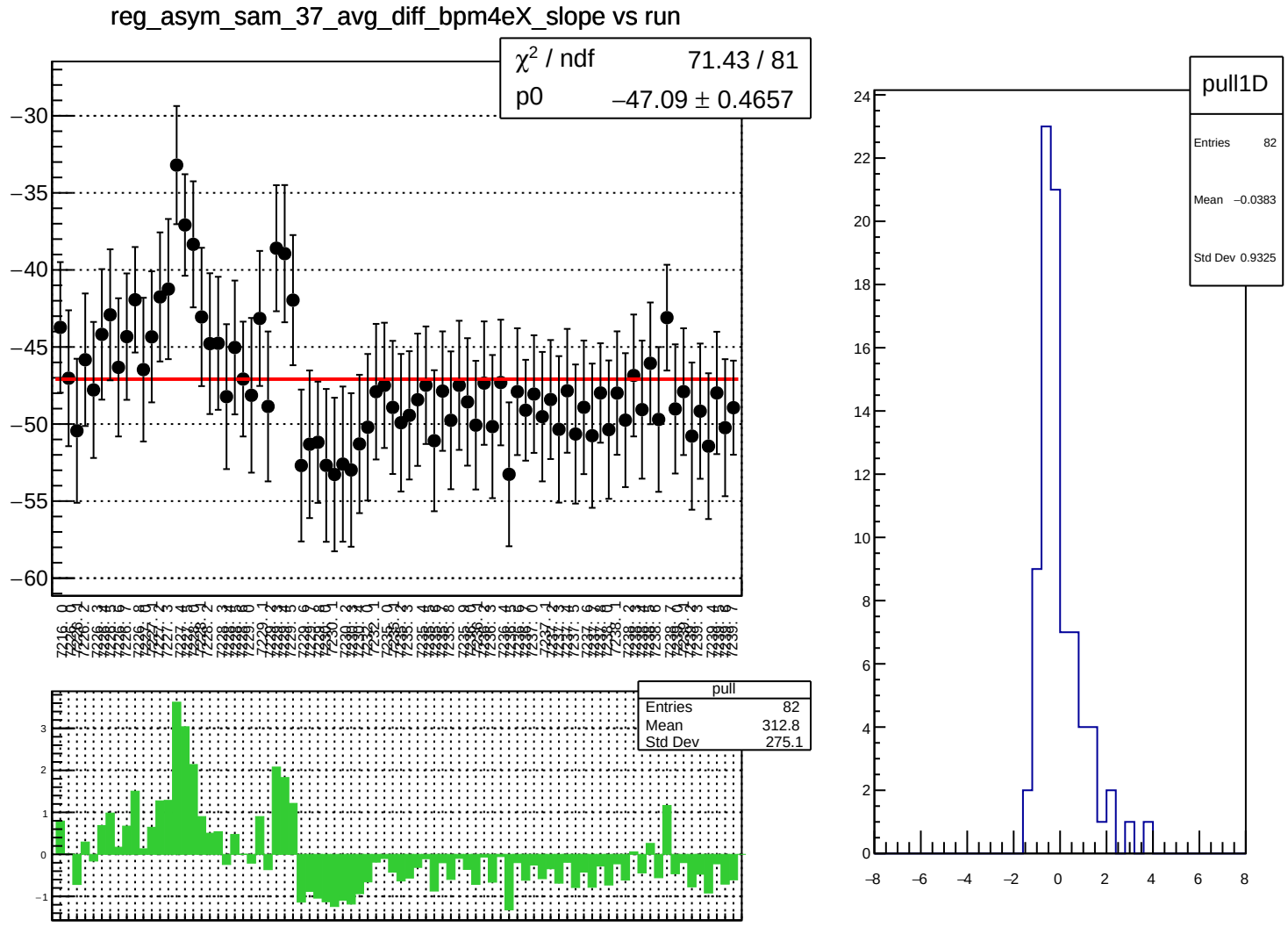

pull1D
Entries 82
Mean 0.03417
Std Dev 0.4515

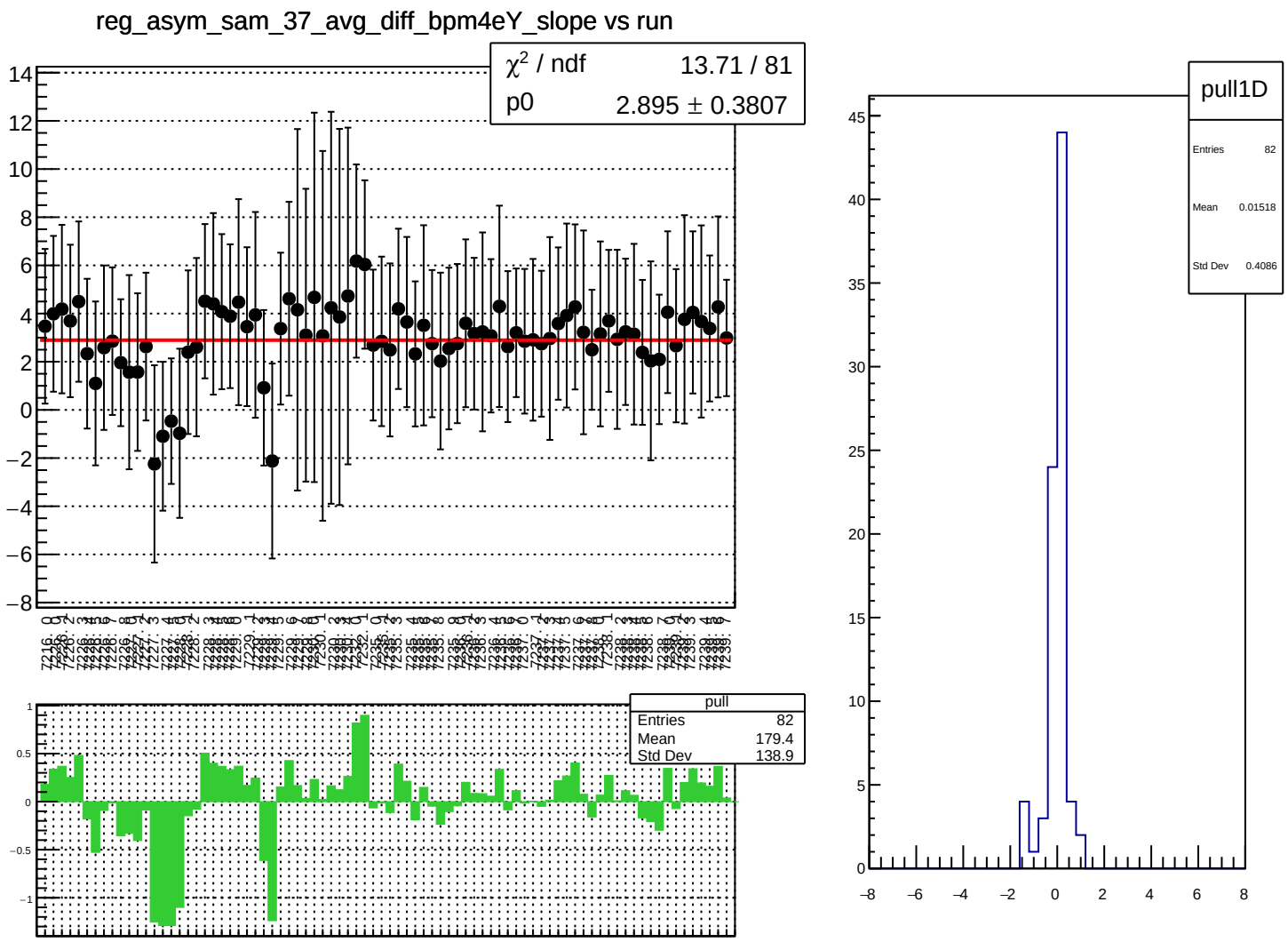

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 92.17 / 81
p0 −4.436 ± 0.4549
pull
Entries 82
Mean 759.2
Std Dev 721.9

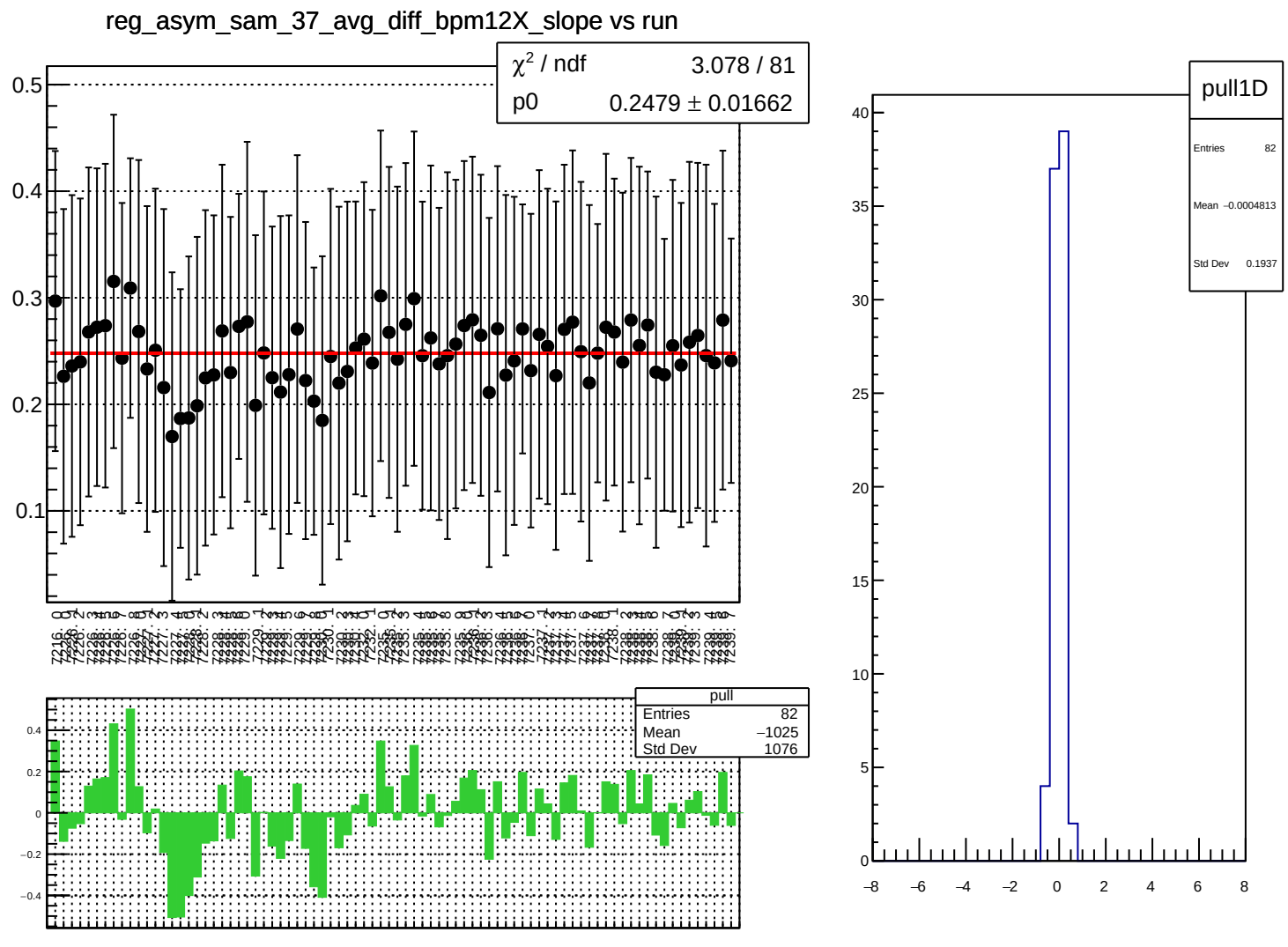

pull1D
Entries 82
Mean 0.01812
Std Dev 1.06

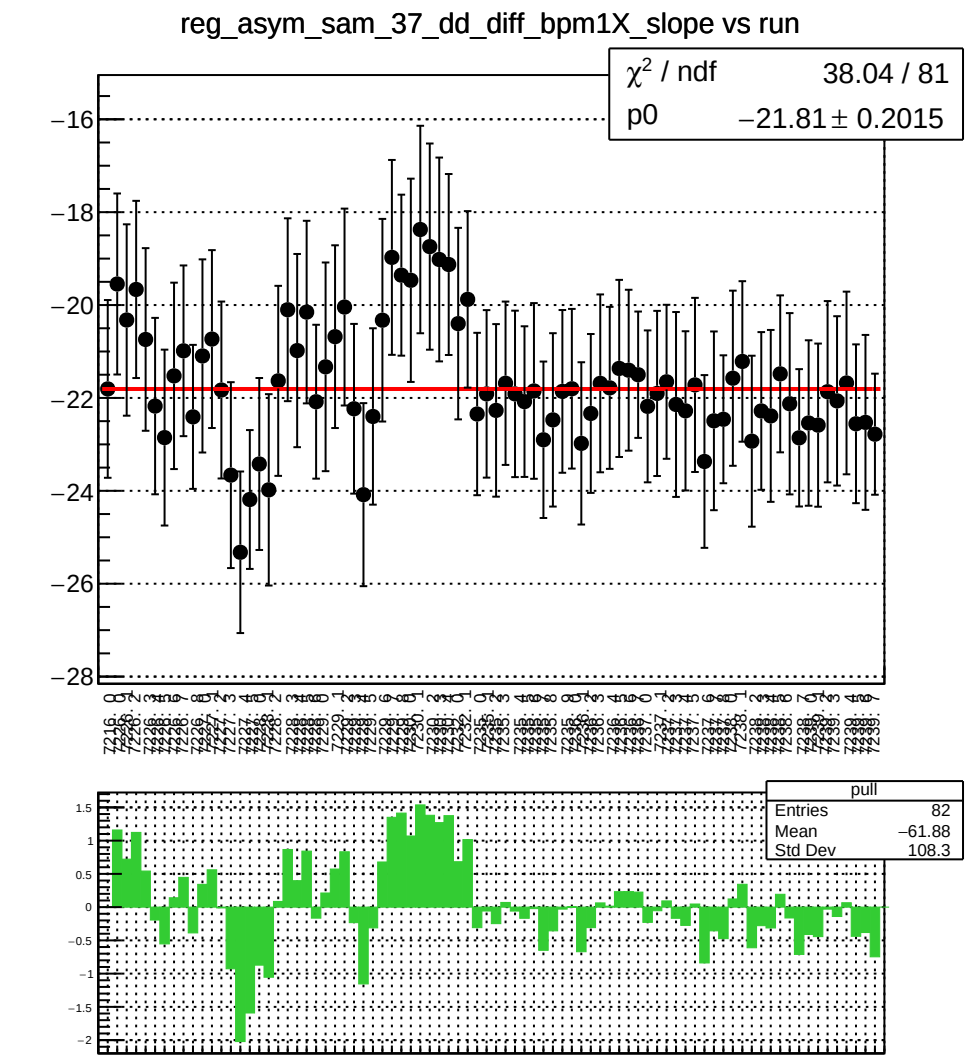

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.08 / 81
p0 3.584 ± 0.3456
pull
Entries 82
Mean 401.3
Std Dev 360.4

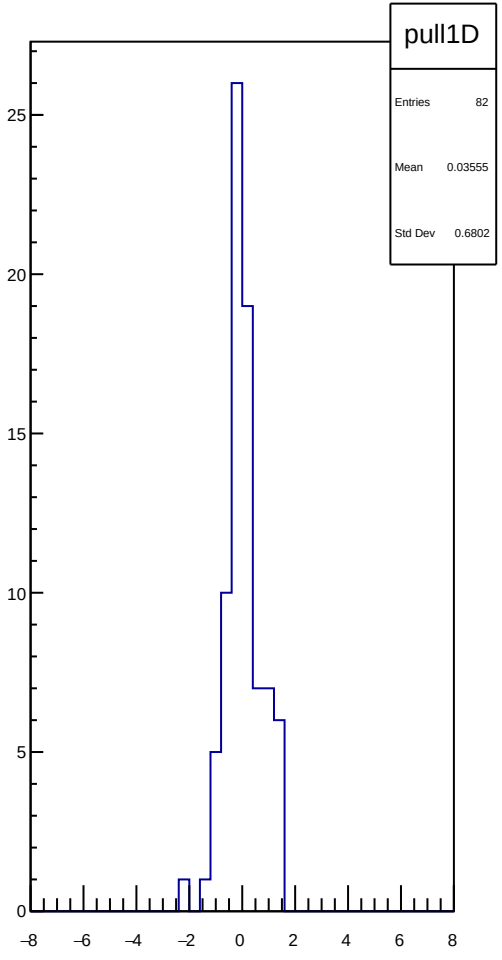

pull1D
Entries 82
Mean −0.007086
Std Dev 0.3993

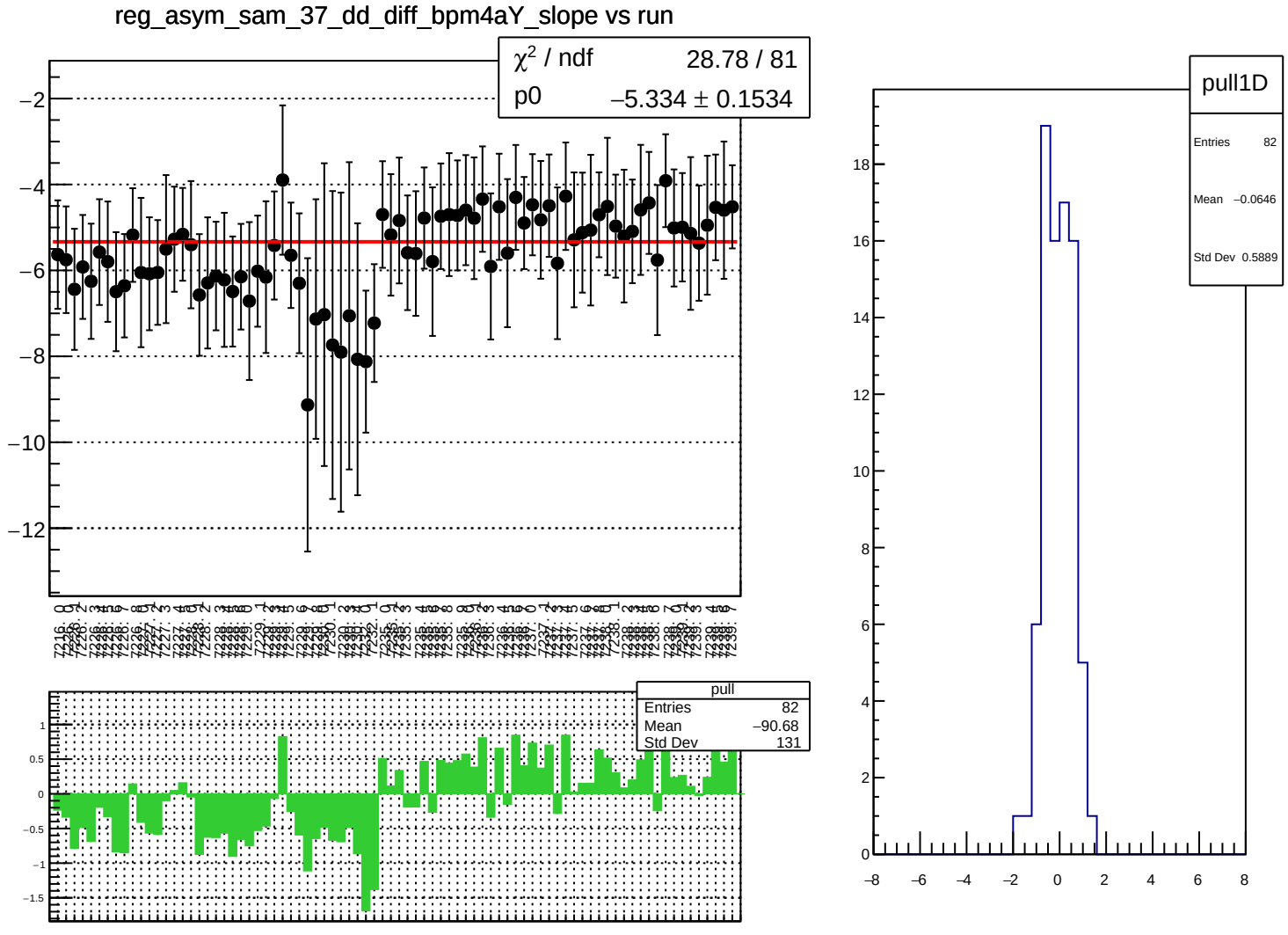

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.43 / 81
p0 −47.09 ± 0.4657
pull
Entries 82
Mean 312.8
Std Dev 275.1
pull1D
Entries 82
Mean −0.0383
Std Dev 0.9325

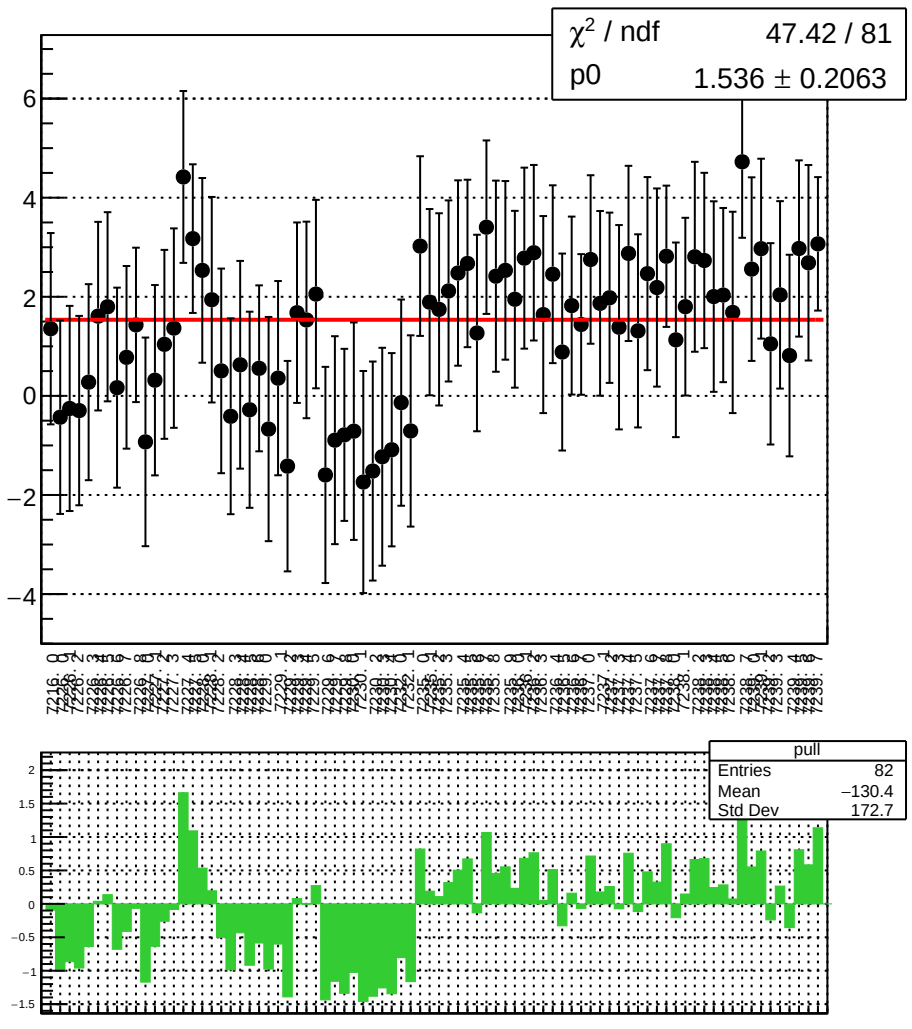

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.71 / 81
p0 2.895 ± 0.3807
pull
Entries 82
Mean 179.4
Std Dev 138.9
pull1D
Entries 82
Mean 0.01518
Std Dev 0.4086

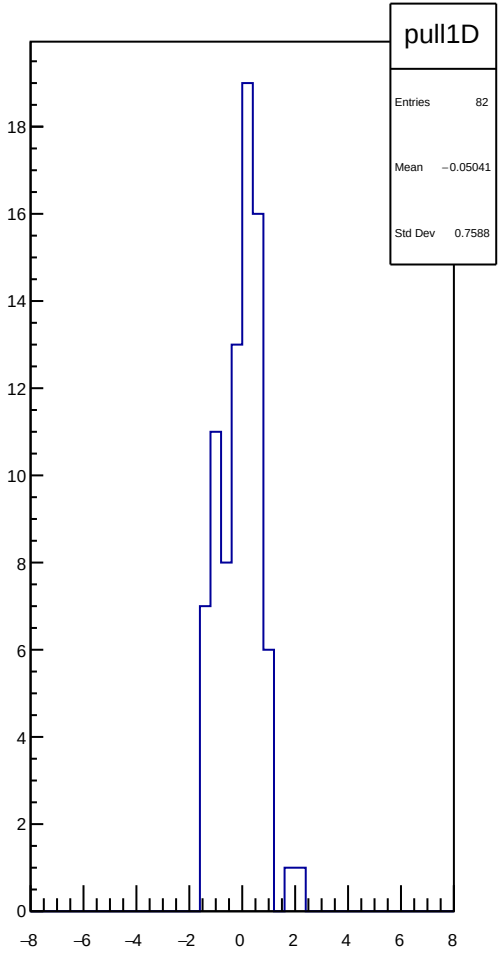

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.078 / 81
p0 0.2479 ± 0.01662
pull
Entries 82
Mean −1025
Std Dev 1076
pull1D
Entries 82
Mean −0.0004813
Std Dev 0.1937

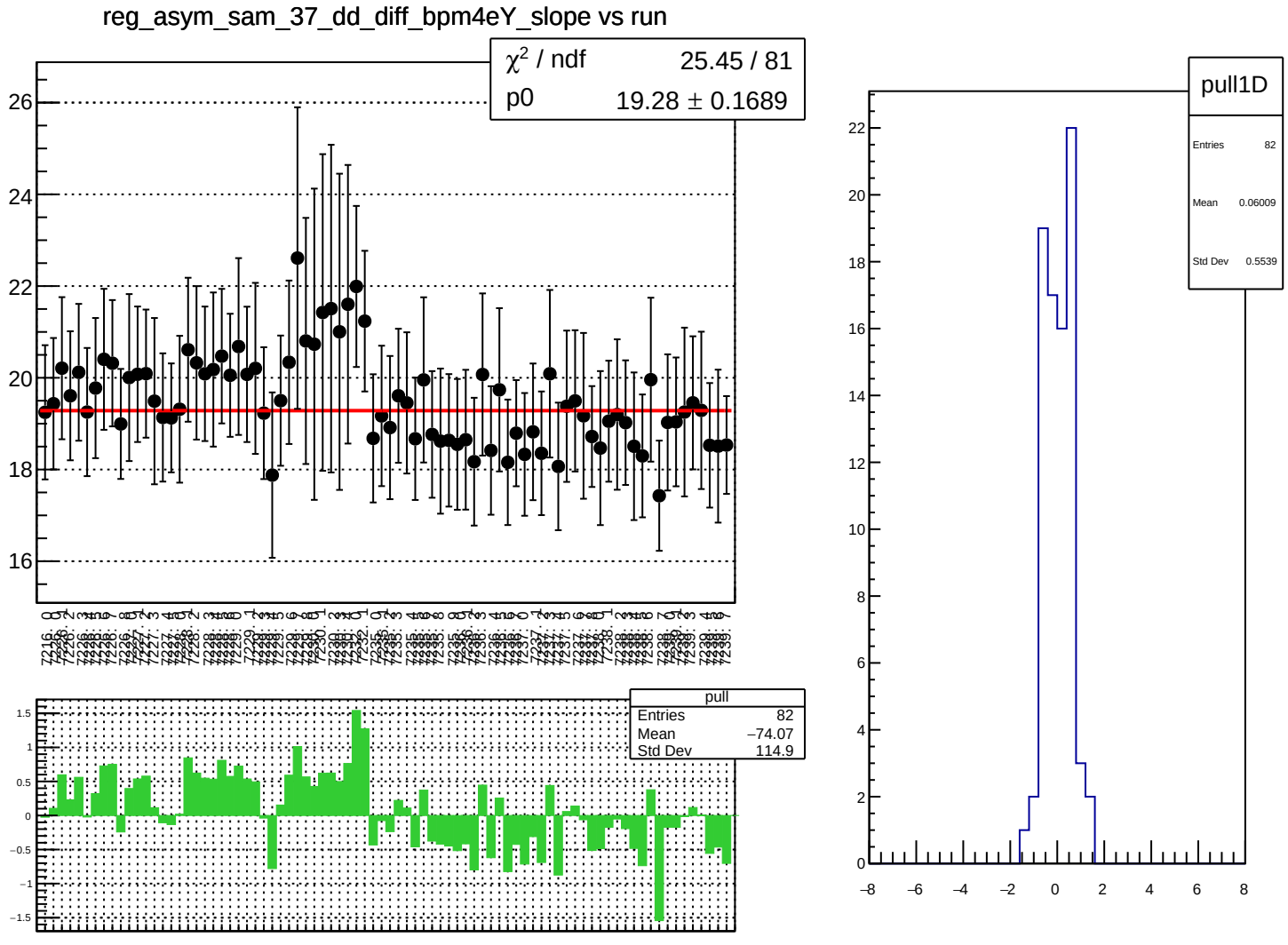

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 38.04 / 81
p0 −21.81 ± 0.2015
pull
Entries 82
Mean −61.88
Std Dev 108.3

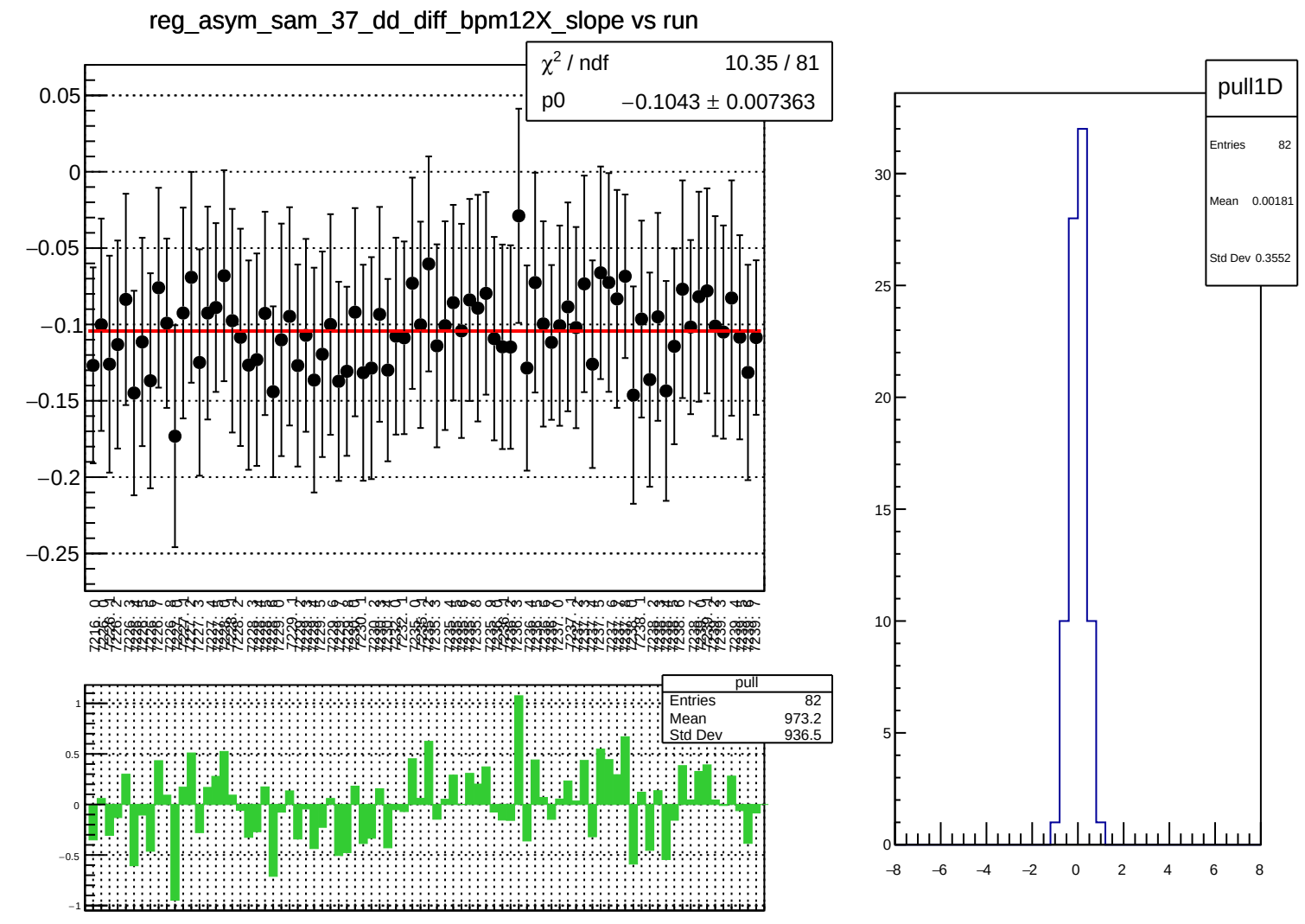

pull1D
Entries 82
Mean 0.03555
Std Dev 0.6802

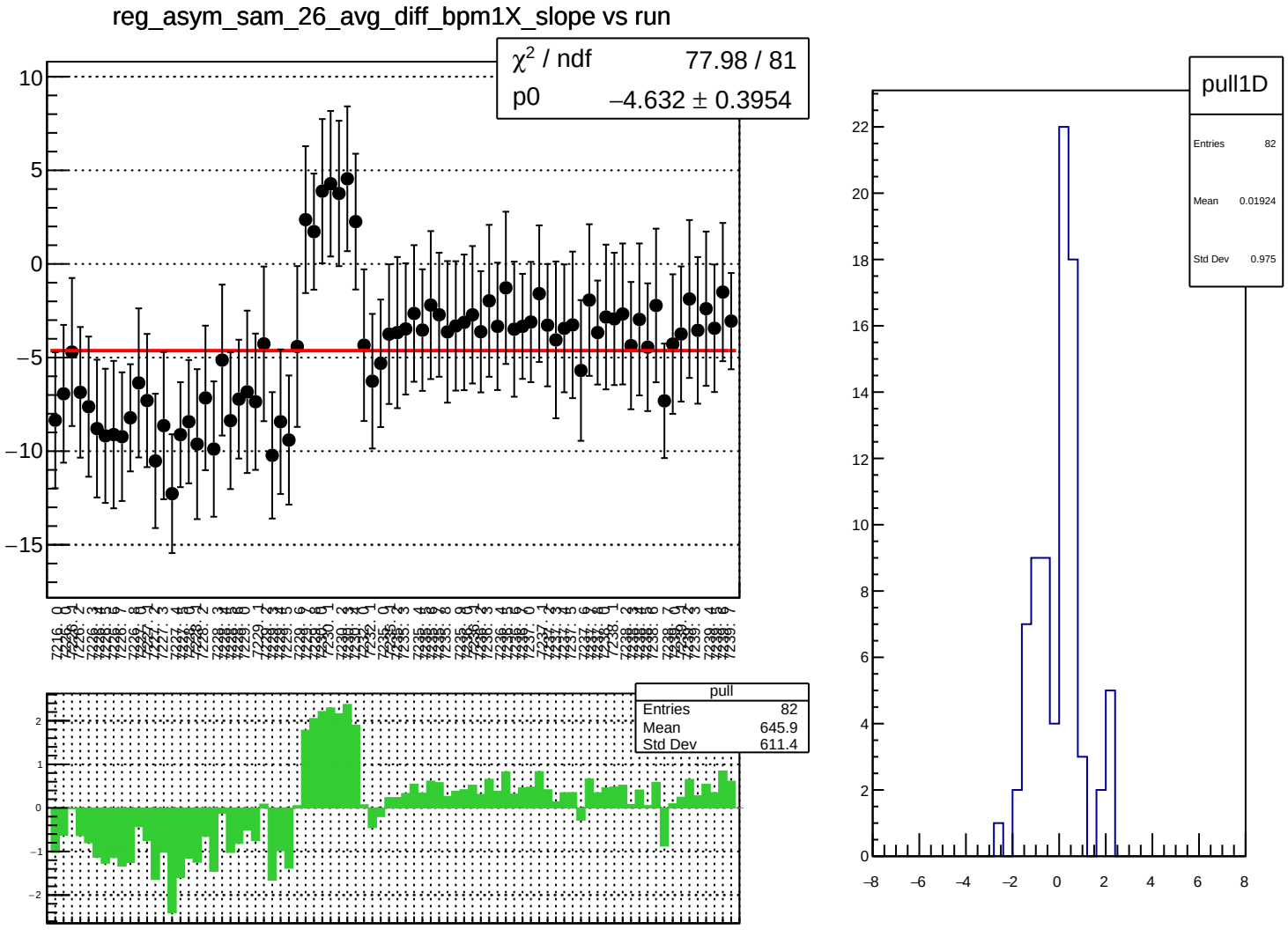

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.78 / 81
p0 −5.334 ± 0.1534
pull
Entries 82
Mean −90.68
Std Dev 131
pull1D
Entries 82
Mean −0.0646
Std Dev 0.5889

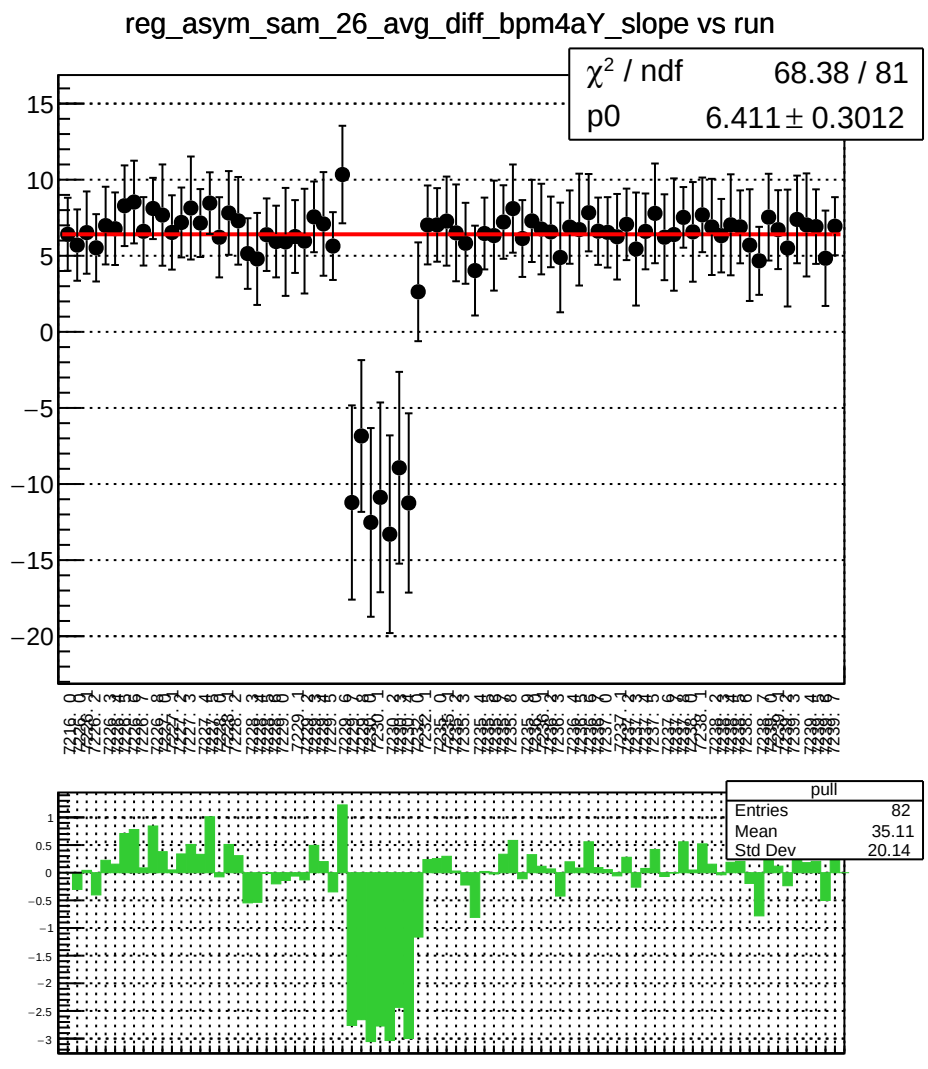

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.42 / 81
p0 1.536 ± 0.2063
pull
Entries 82
Mean −130.4
Std Dev 172.7

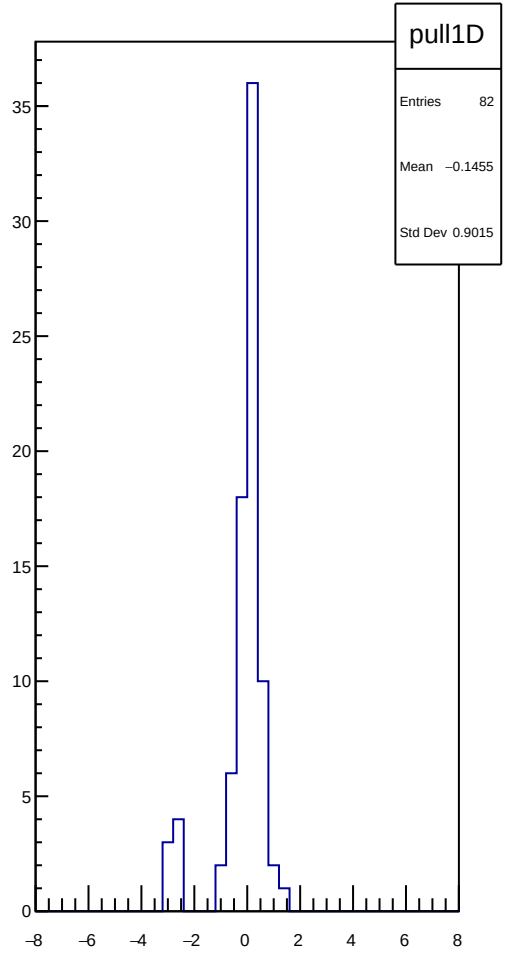

pull1D
Entries 82
Mean −0.05041
Std Dev 0.7588

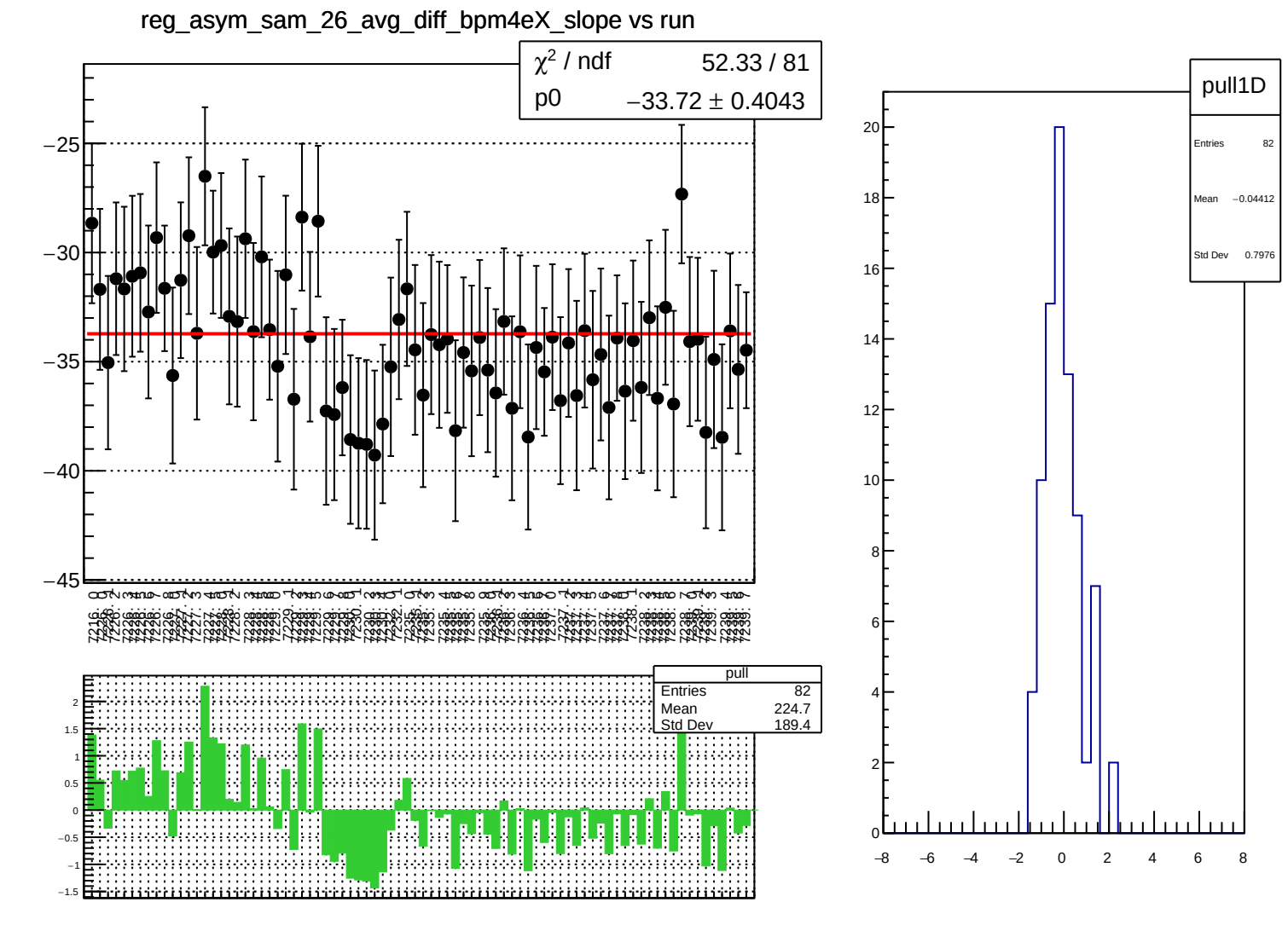

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.45 / 81
p0 19.28 ± 0.1689
pull
Entries 82
Mean −74.07
Std Dev 114.9
pull1D
Entries 82
Mean 0.06009
Std Dev 0.5539

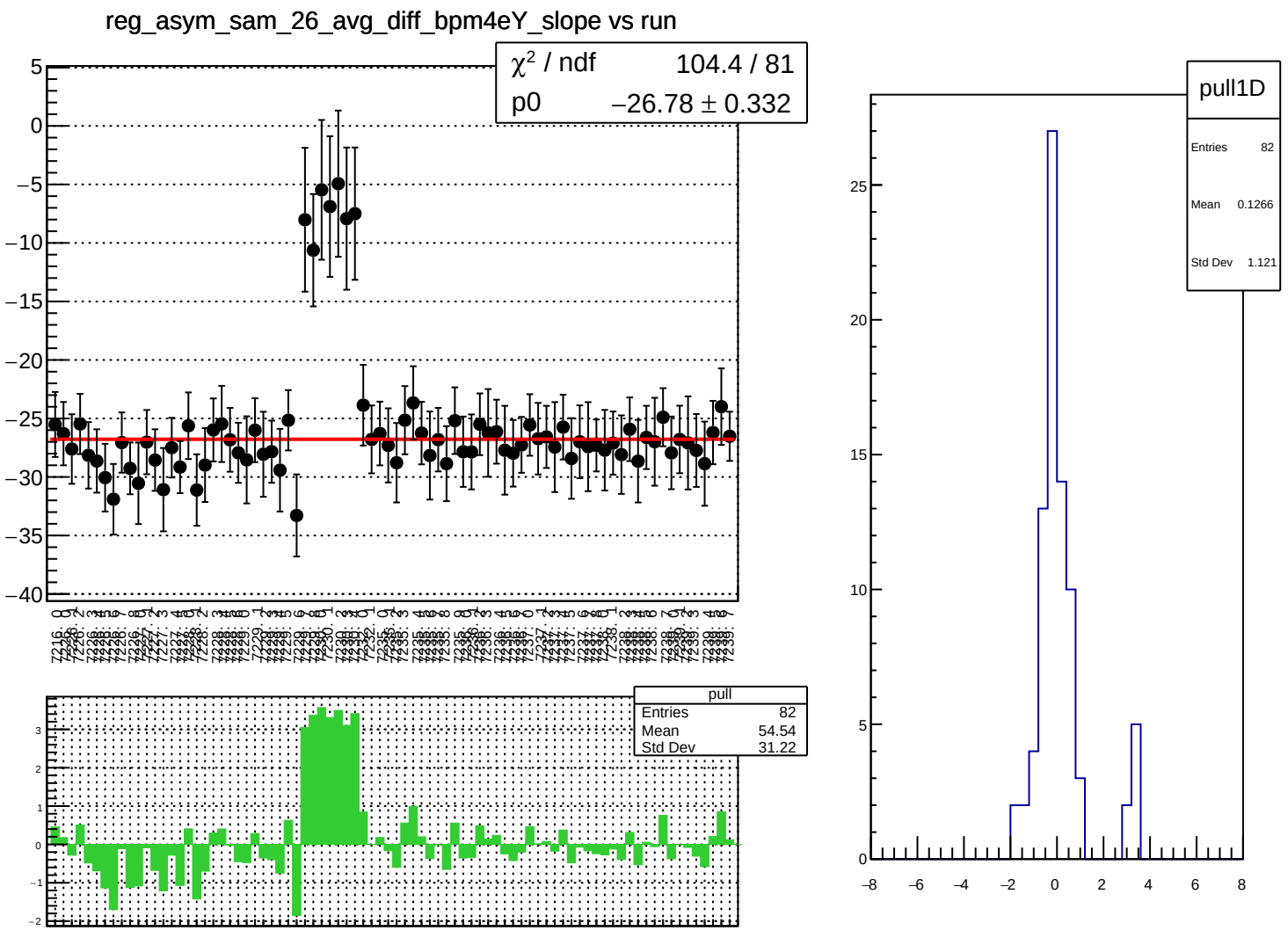

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 10.35 / 81
p0 −0.1043 ± 0.007363
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 82
Mean 973.2
Std Dev 936.5
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean 0.00181
Std Dev 0.3552
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

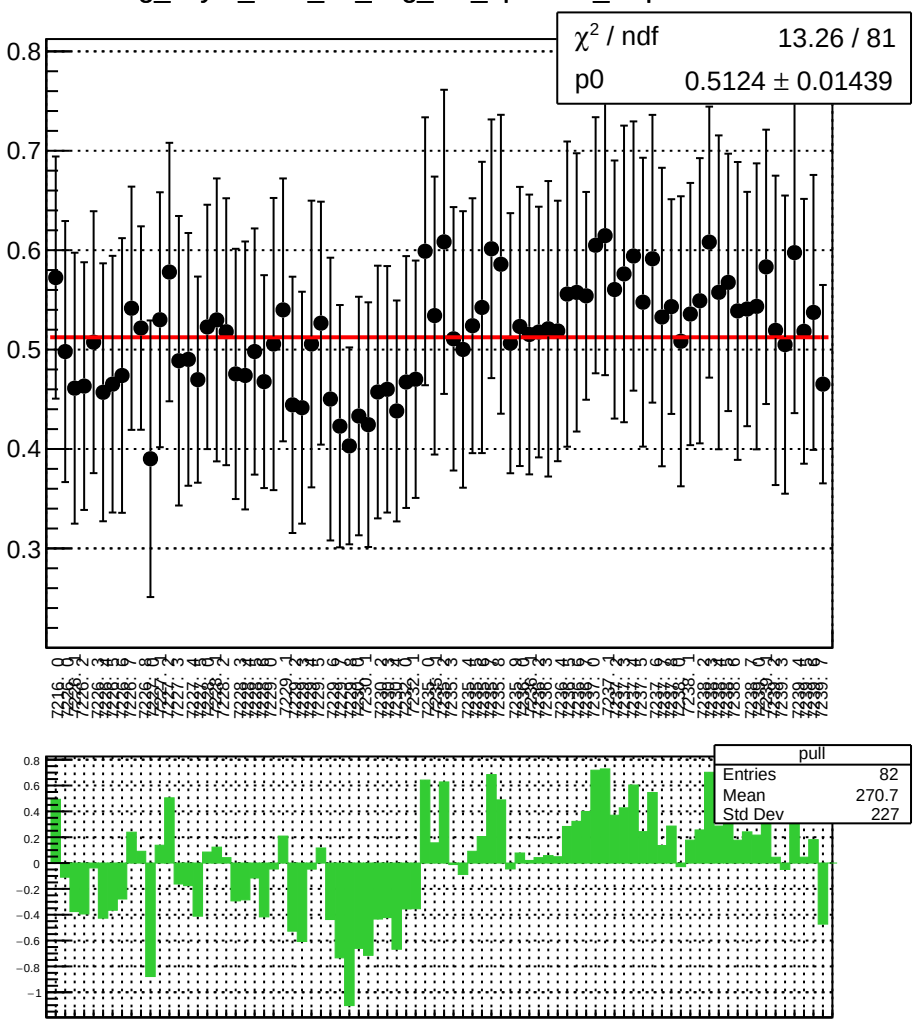

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 77.98 / 81
p0 −4.632 ± 0.3954
pull
Entries 82
Mean 645.9
Std Dev 611.4
pull1D
Entries 82
Mean 0.01924
Std Dev 0.975

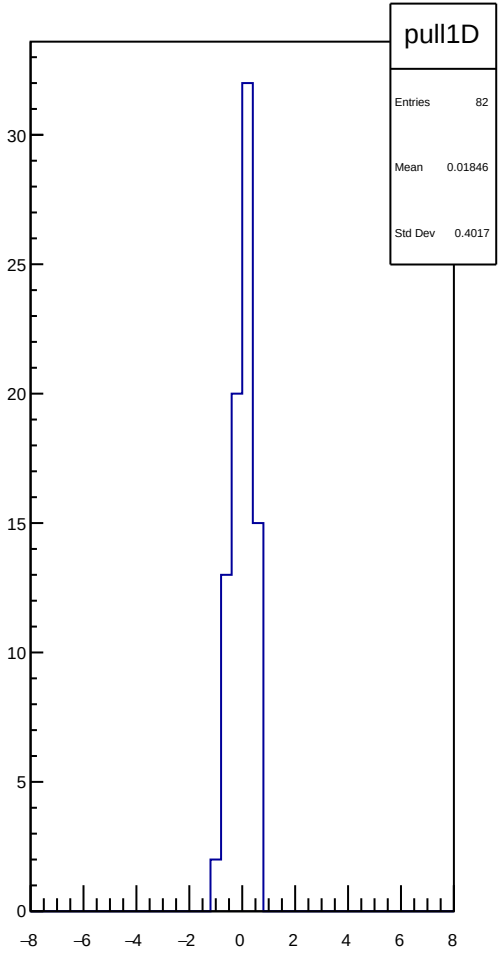

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 68.38 / 81
p0 6.411 ± 0.3012
pull
Entries 82
Mean 35.11
Std Dev 20.14

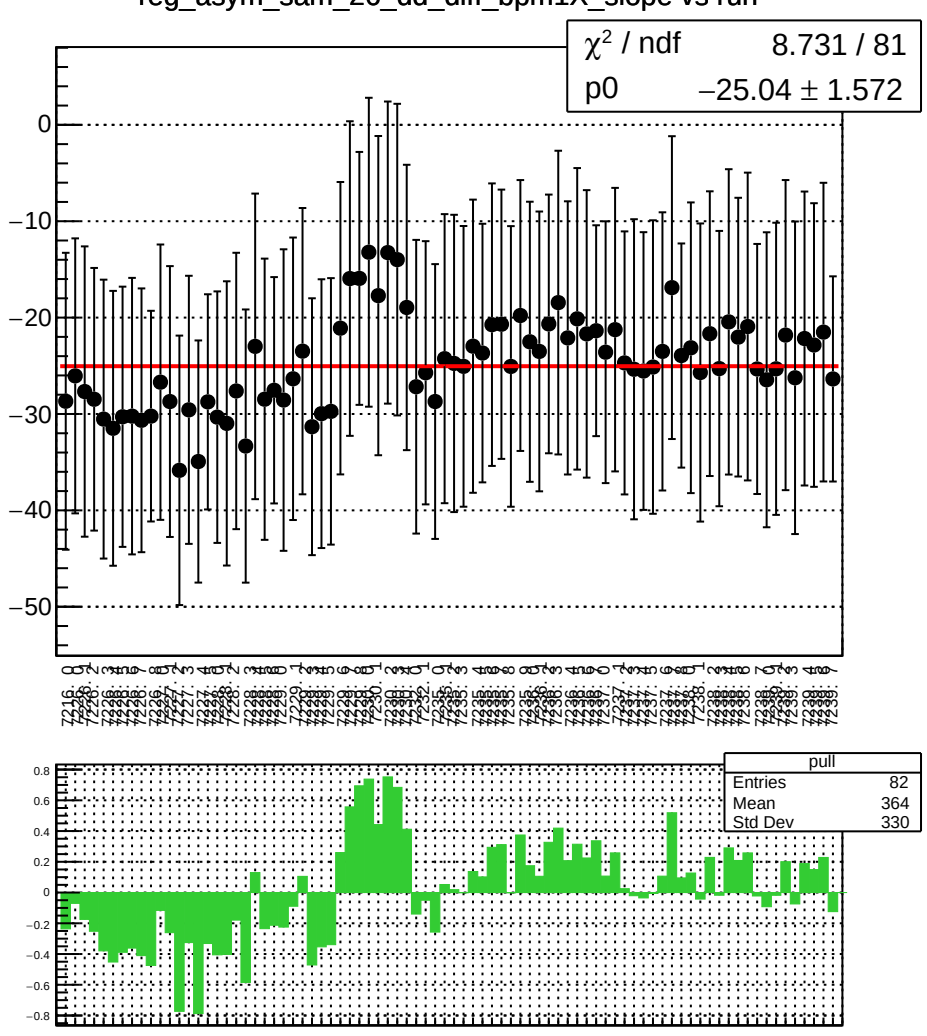

pull1D
Entries 82
Mean −0.1455
Std Dev 0.9015

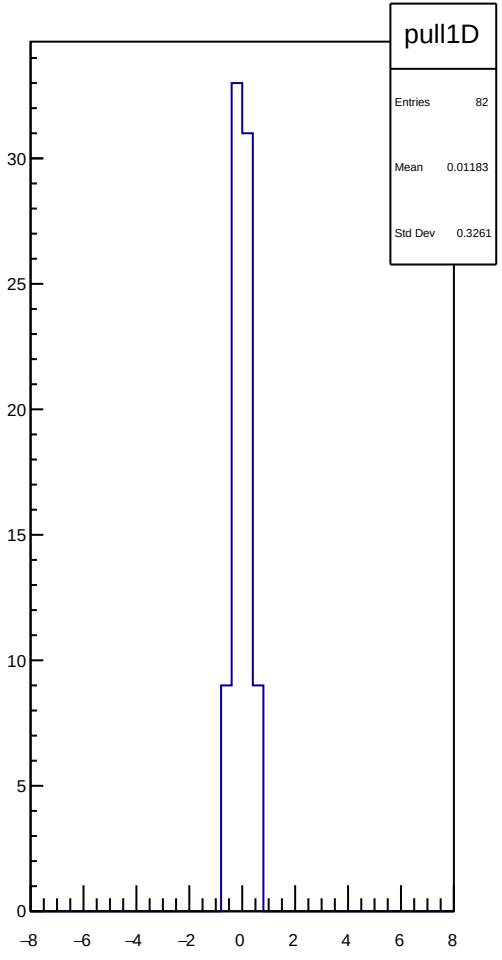

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.33 / 81
p0 −33.72 ± 0.4043
pull
Entries 82
Mean 224.7
Std Dev 189.4
pull1D
Entries 82
Mean −0.04412
Std Dev 0.7976

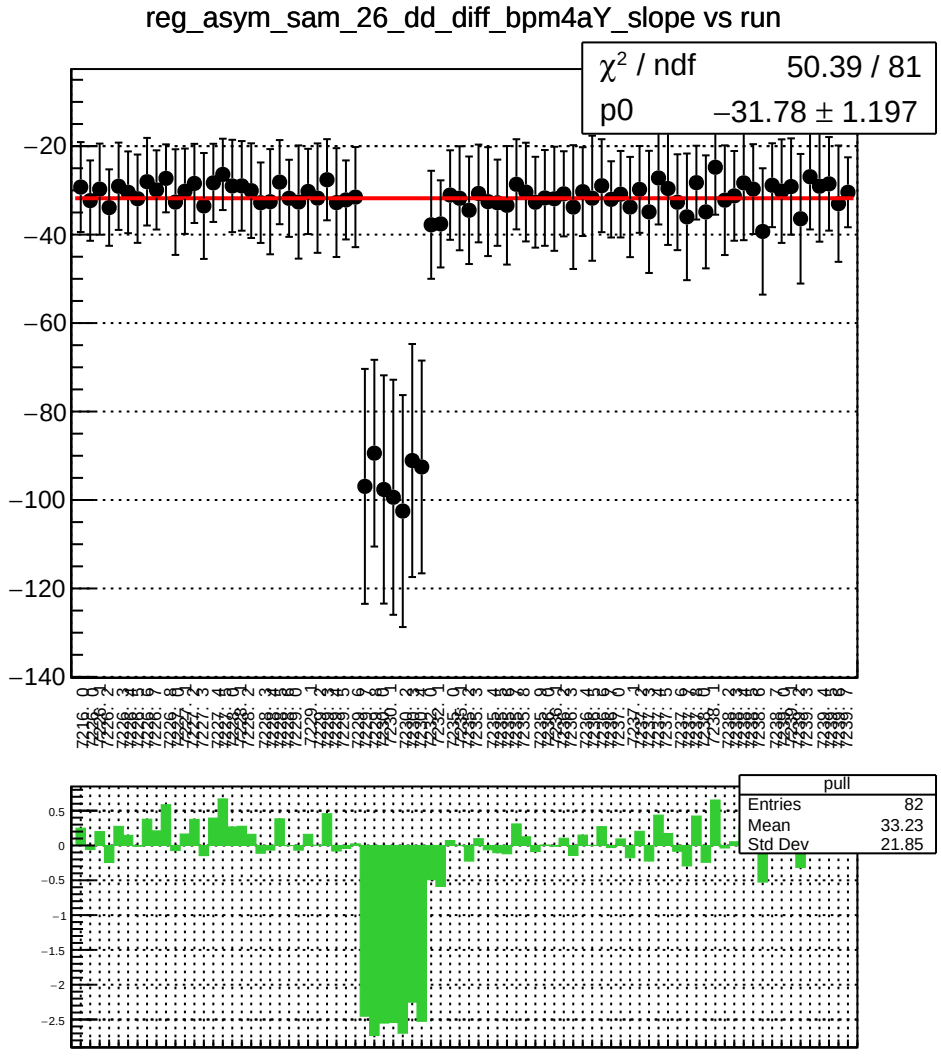

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.4 / 81
p0 −26.78 ± 0.332
pull
Entries 82
Mean 54.54
Std Dev 31.22
pull1D
Entries 82
Mean 0.1266
Std Dev 1.121

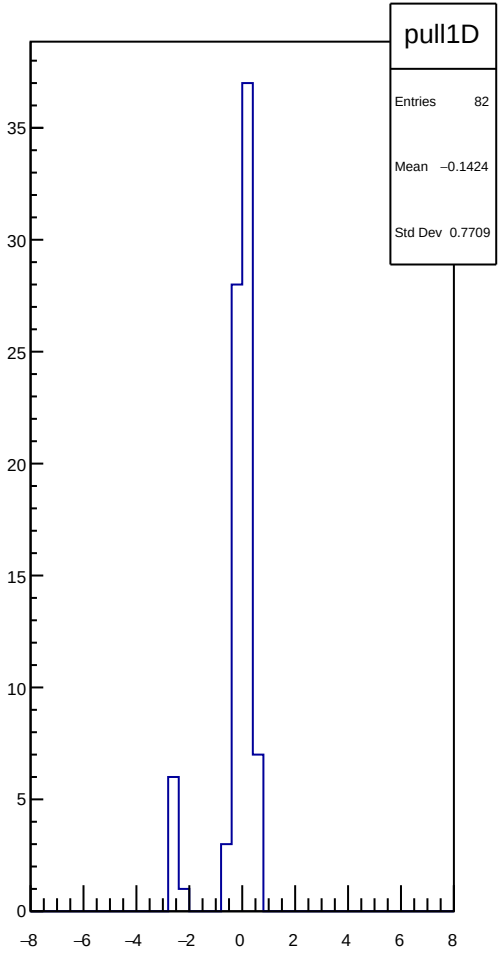

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 13.26 / 81
p0 0.5124 ± 0.01439
pull
Entries 82
Mean 270.7
Std Dev 227

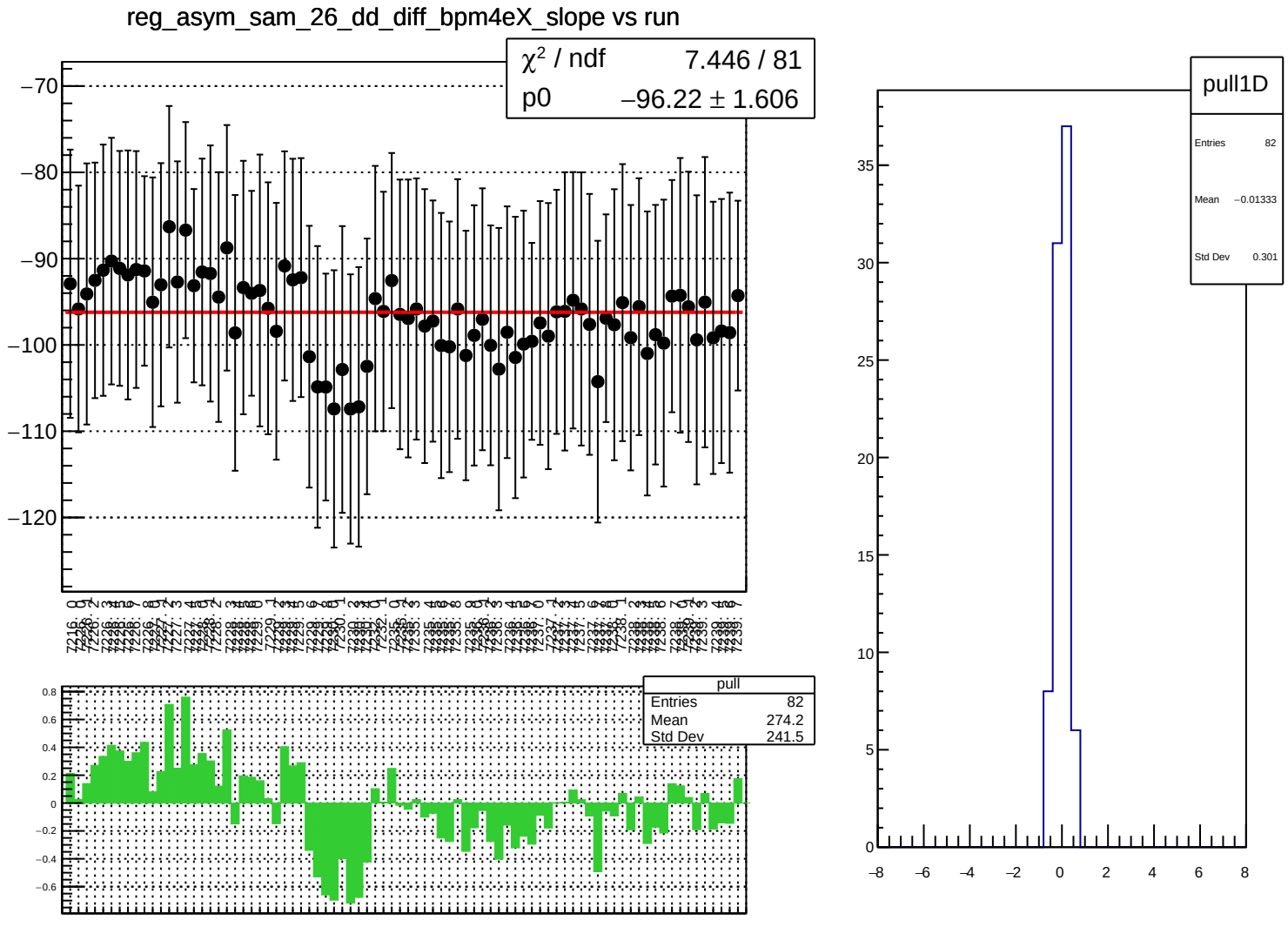

pull1D
Entries 82
Mean 0.01846
Std Dev 0.4017

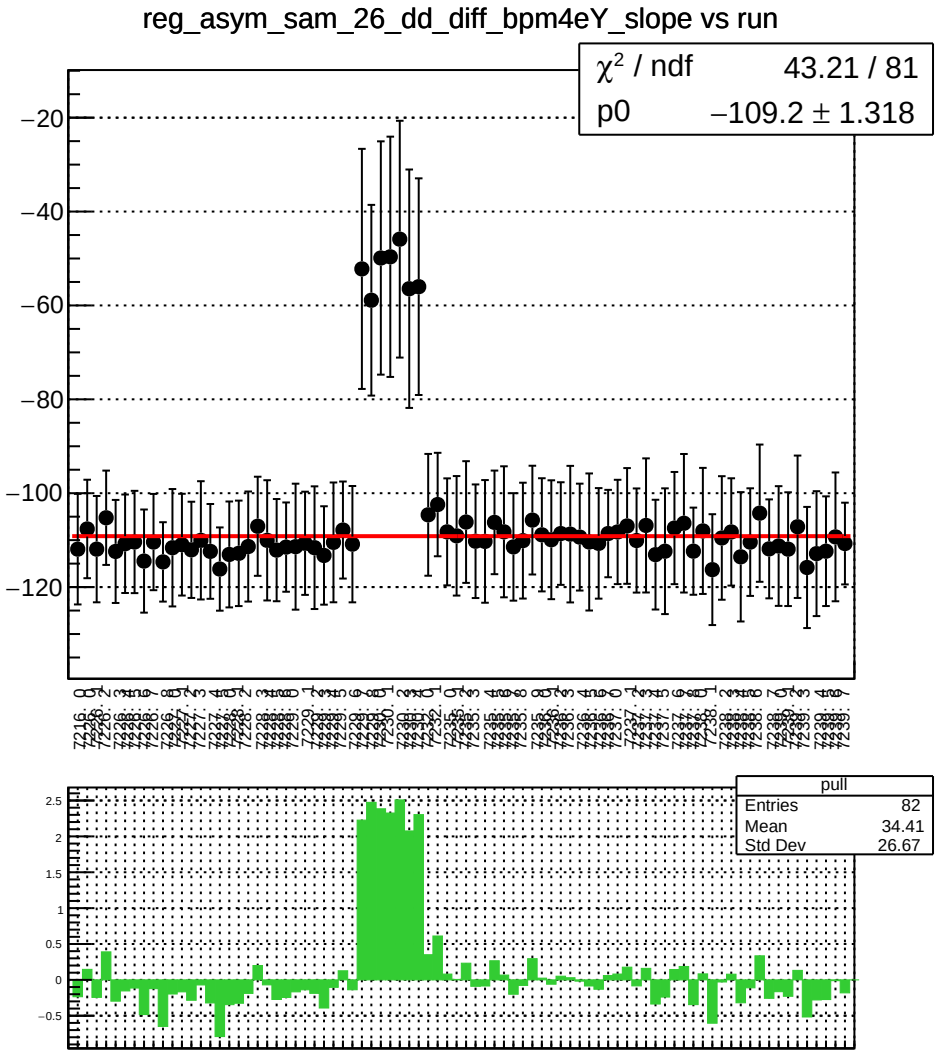

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 8.731 / 81
p0 −25.04 ± 1.572
pull
Entries 82
Mean 364
Std Dev 330

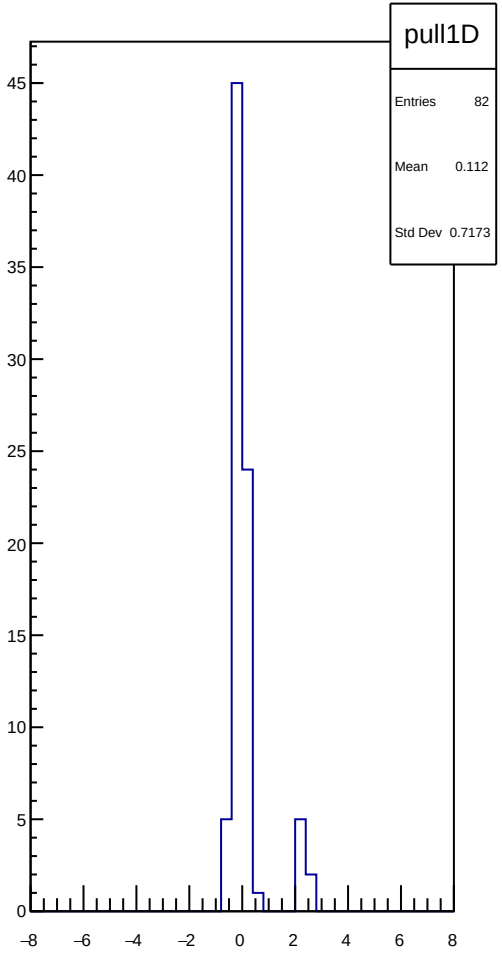

pull1D
Entries 82
Mean 0.01183
Std Dev 0.3261

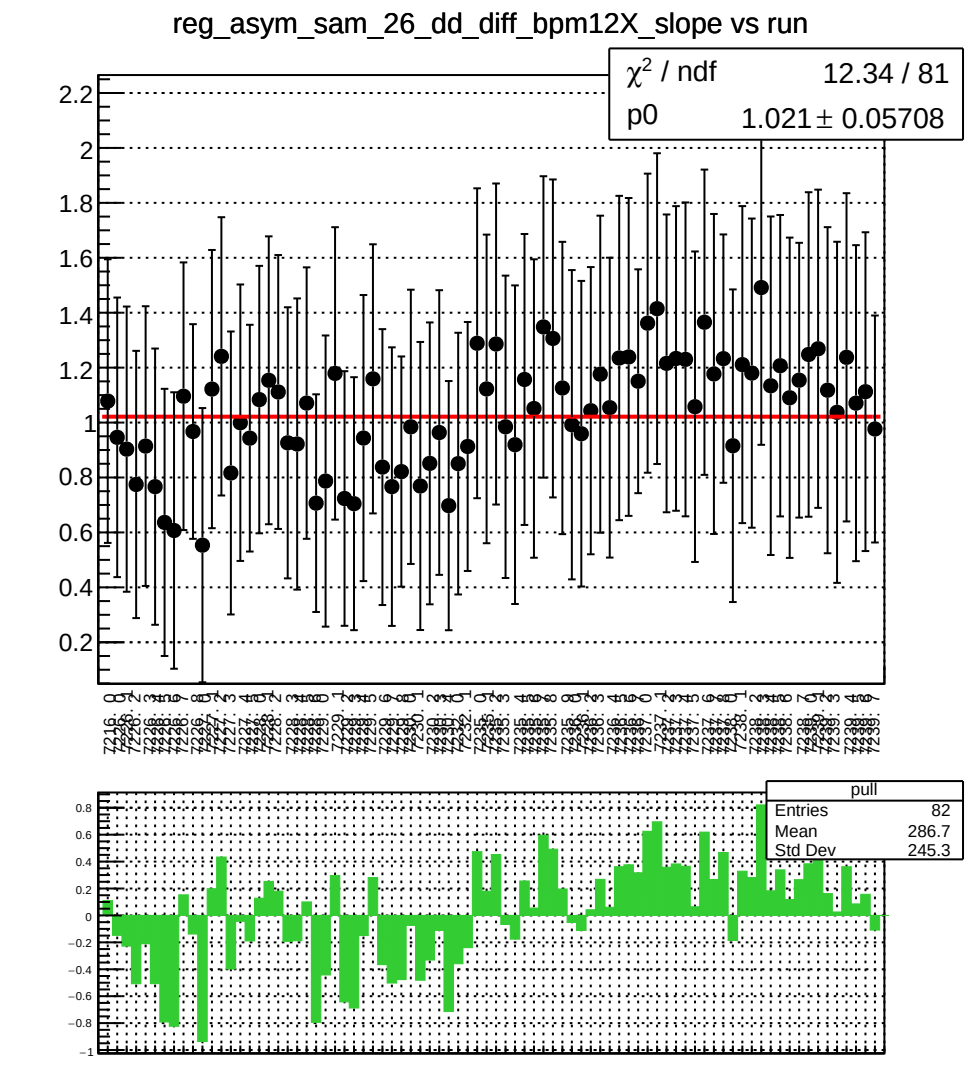

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.39 / 81
p0 −31.78 ± 1.197
pull
Entries 82
Mean 33.23
Std Dev 21.85

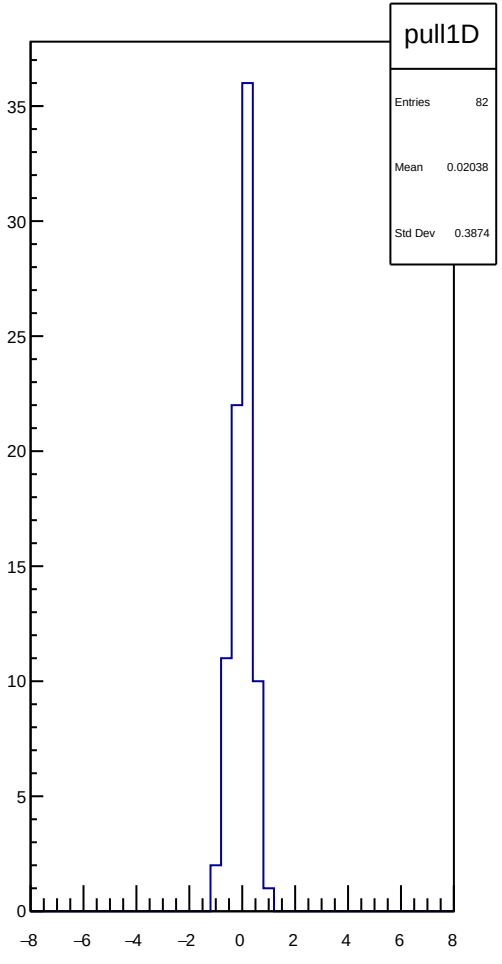

pull1D
Entries 82
Mean −0.1424
Std Dev 0.7709

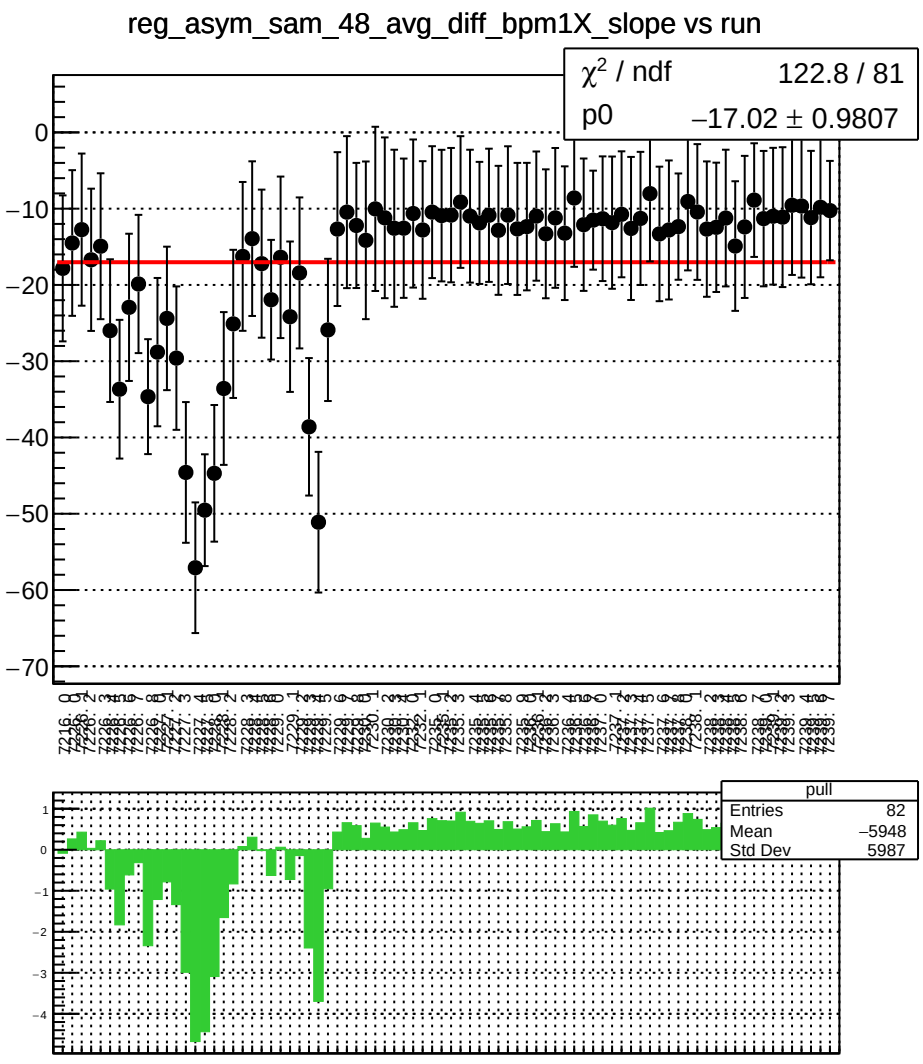

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.446 / 81
p0 −96.22 ± 1.606
pull
Entries 82
Mean 274.2
Std Dev 241.5
pull1D
Entries 82
Mean −0.01333
Std Dev 0.301

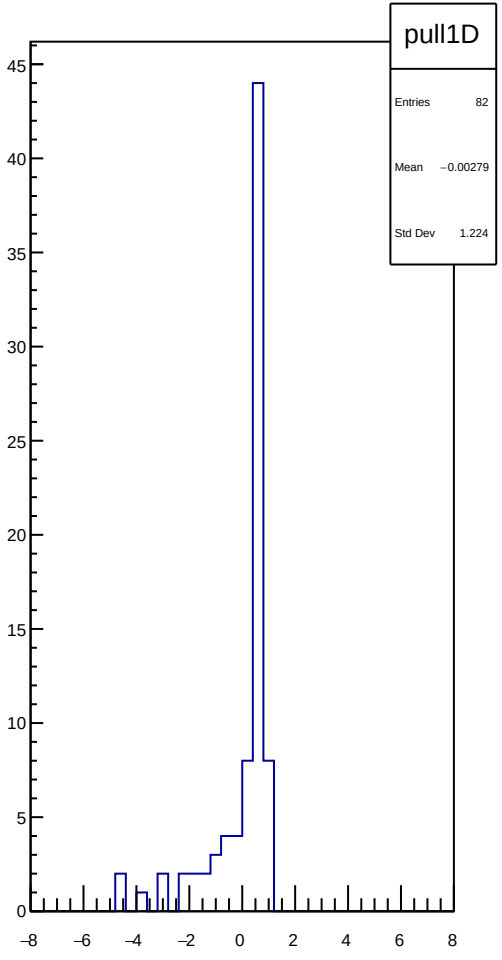

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.21 / 81
p0 −109.2 ± 1.318
−20
−40
−60
−80
−100
−120
pull
Entries 82
Mean 34.41
Std Dev 26.67
2.5
2
1.5
1
0.5
0
−0.5

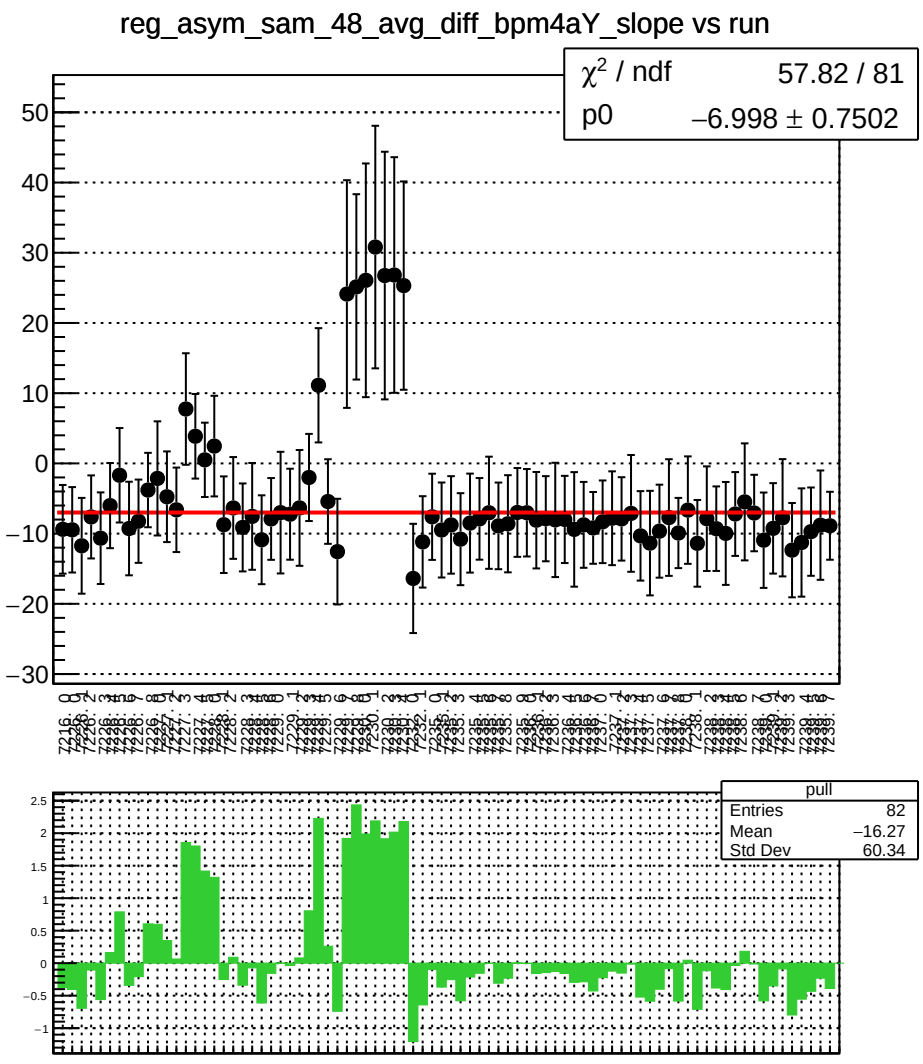

pull1D
Entries 82
Mean 0.112
Std Dev 0.7173
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

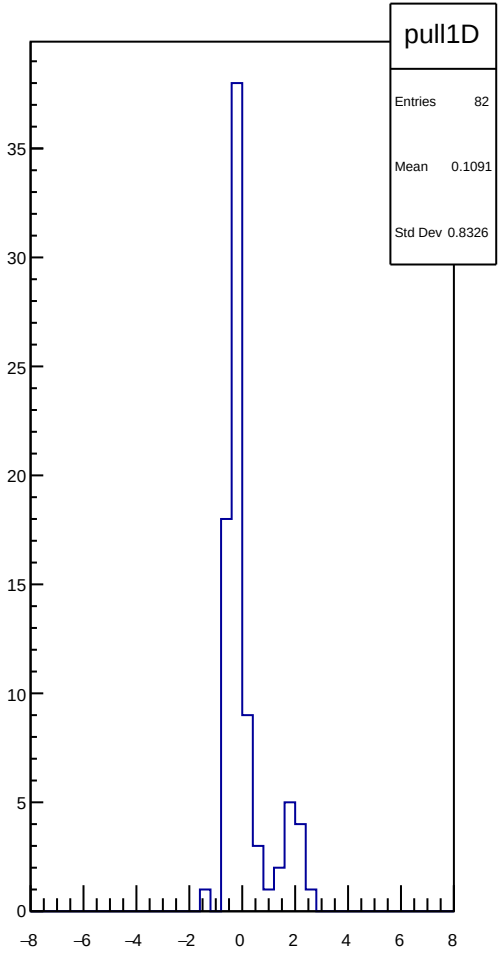

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 12.34 / 81
p0 1.021 ± 0.05708
pull
Entries 82
Mean 286.7
Std Dev 245.3

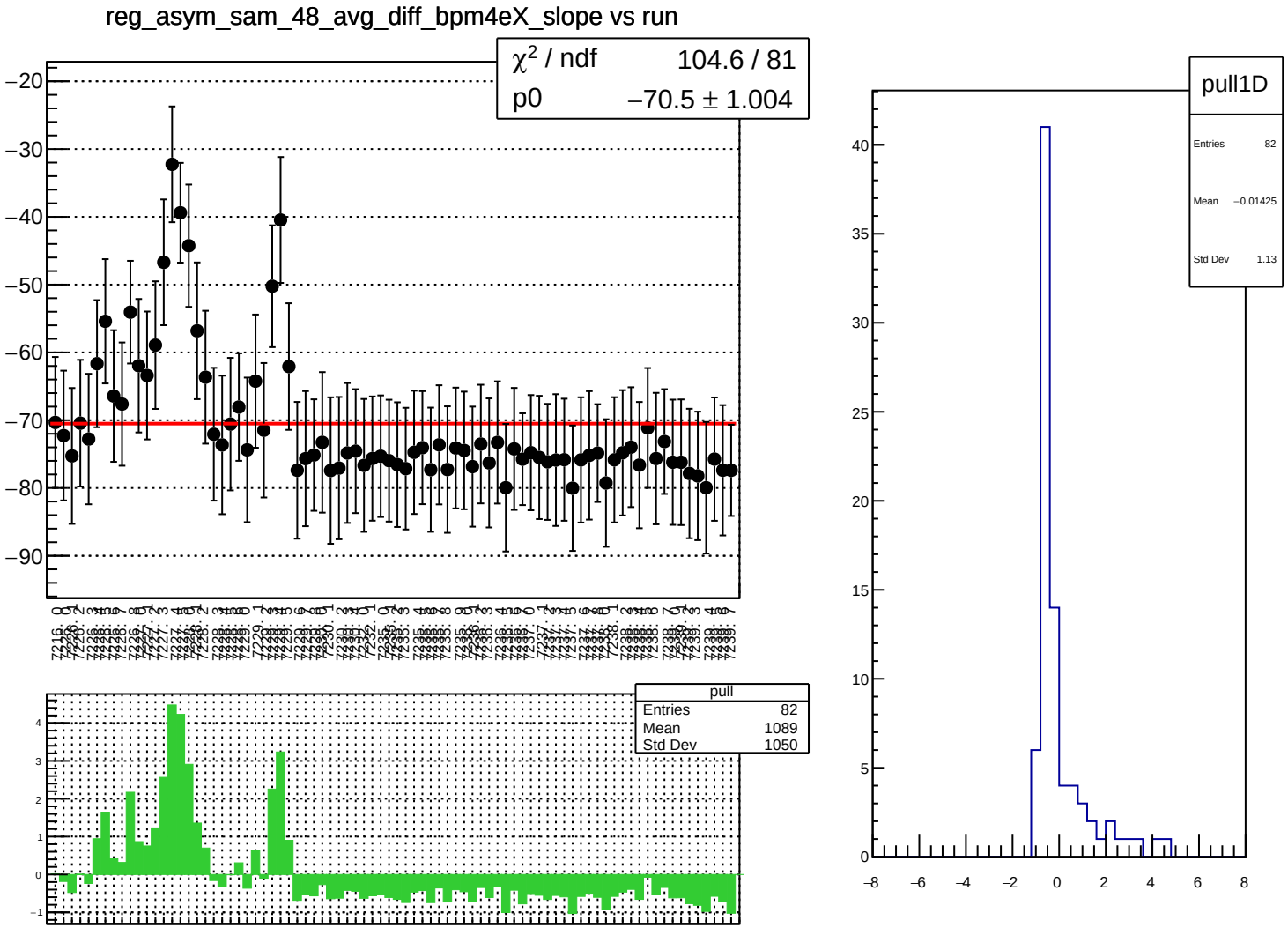

pull1D
Entries 82
Mean 0.02038
Std Dev 0.3874

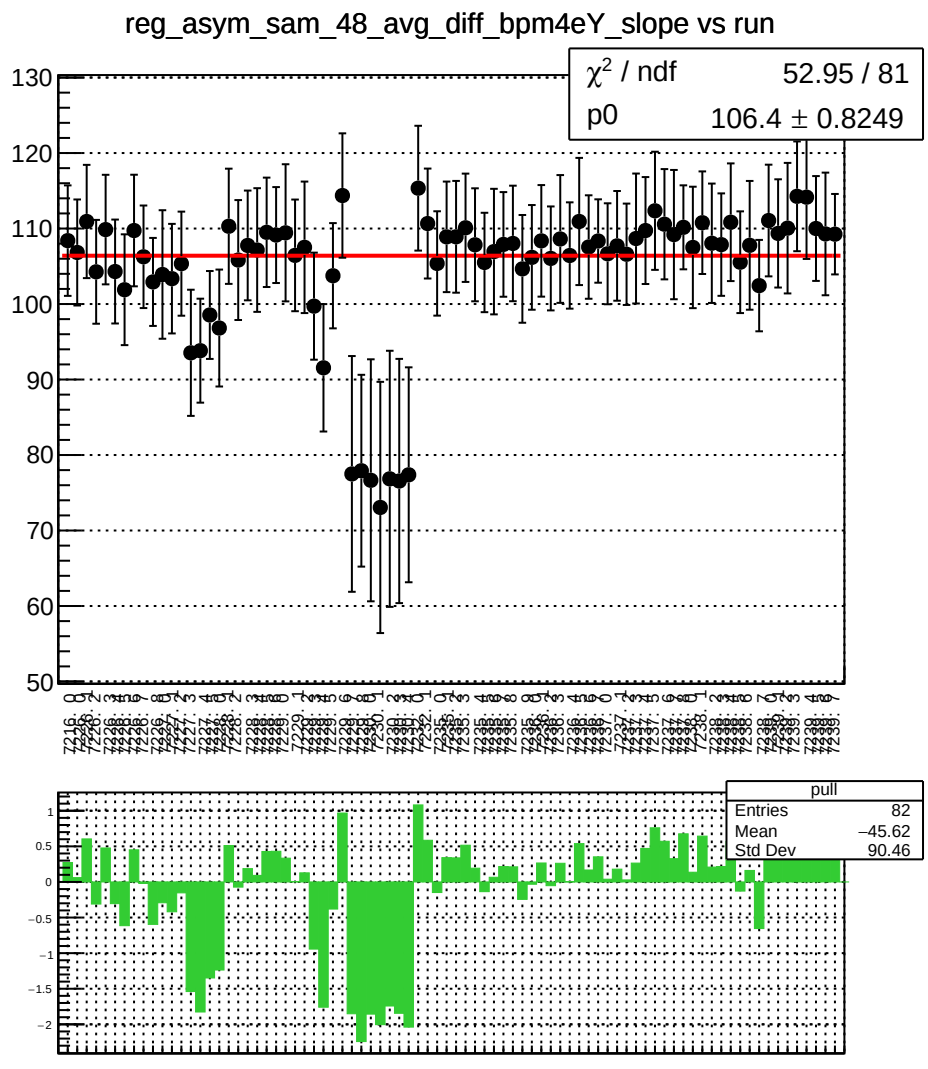

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 122.8 / 81
p0 −17.02 ± 0.9807
pull
Entries 82
Mean −5948
Std Dev 5987

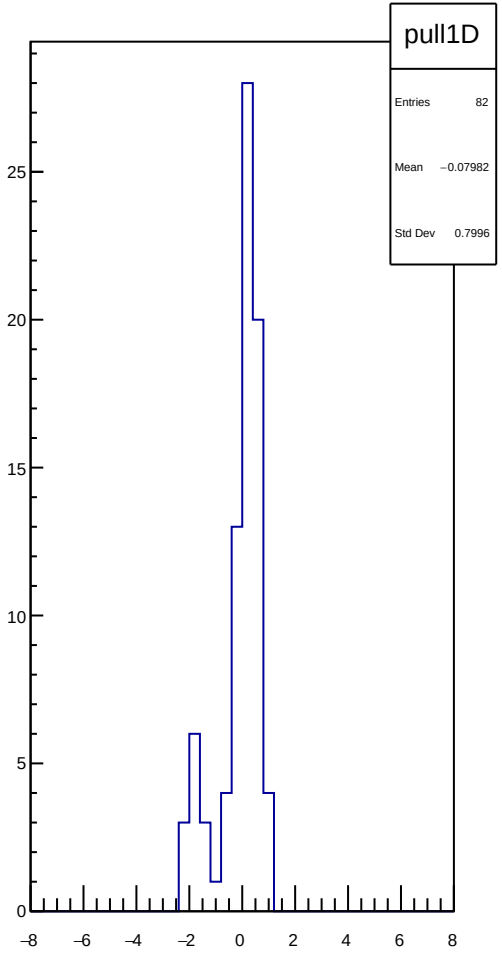

pull1D
Entries 82
Mean −0.00279
Std Dev 1.224

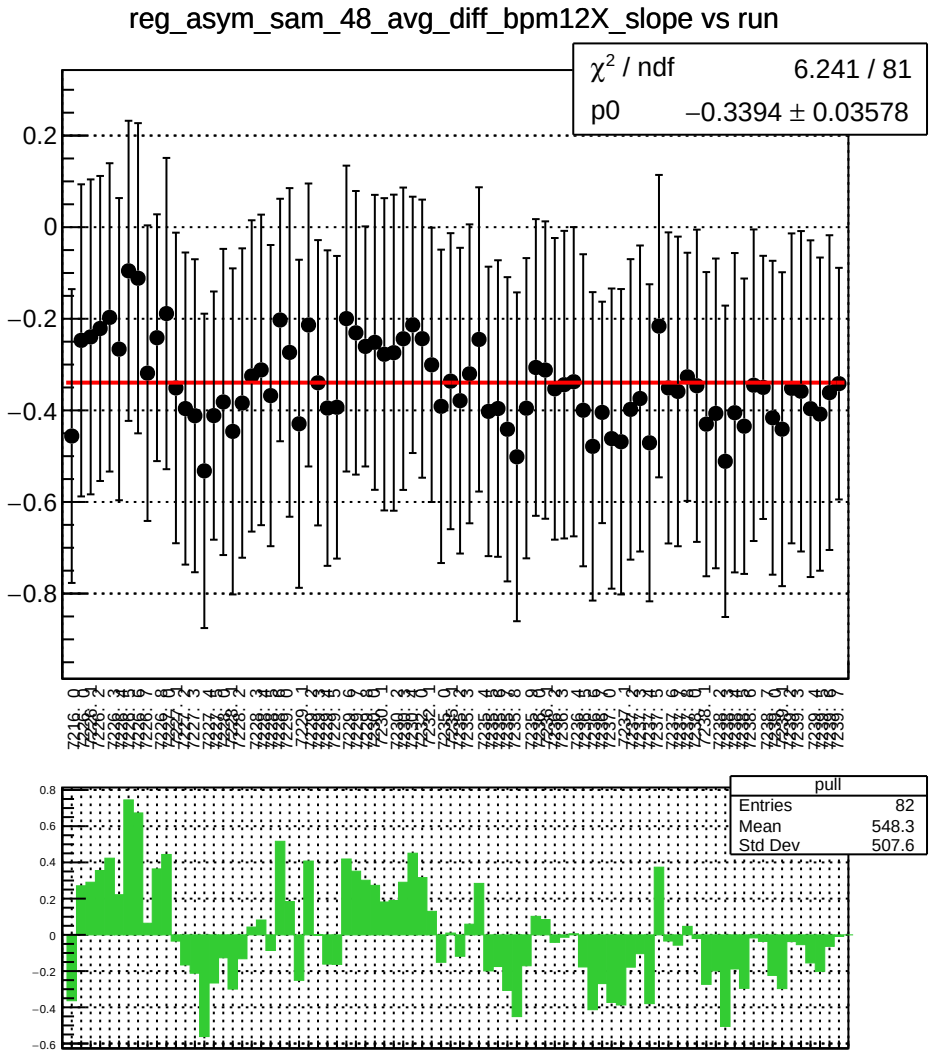

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.82 / 81
p0 −6.998 ± 0.7502
pull
Entries 82
Mean −16.27
Std Dev 60.34

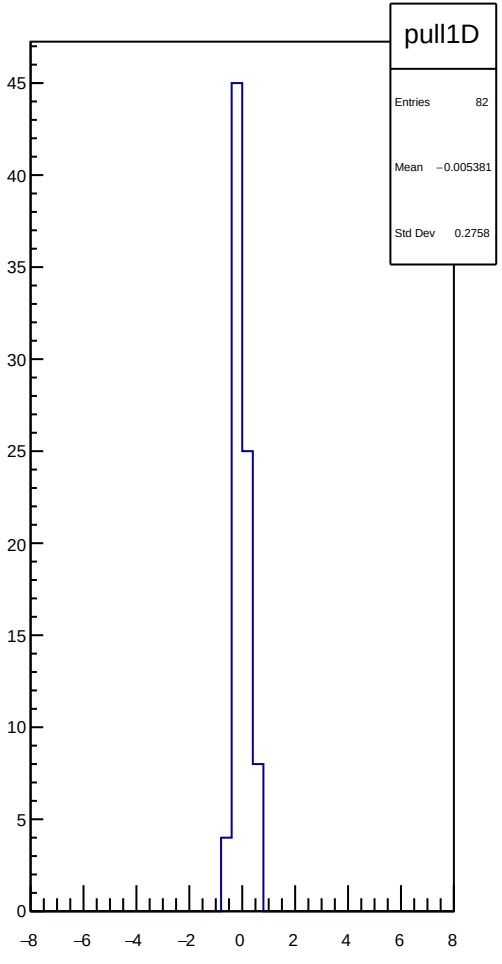

pull1D
Entries 82
Mean 0.1091
Std Dev 0.8326

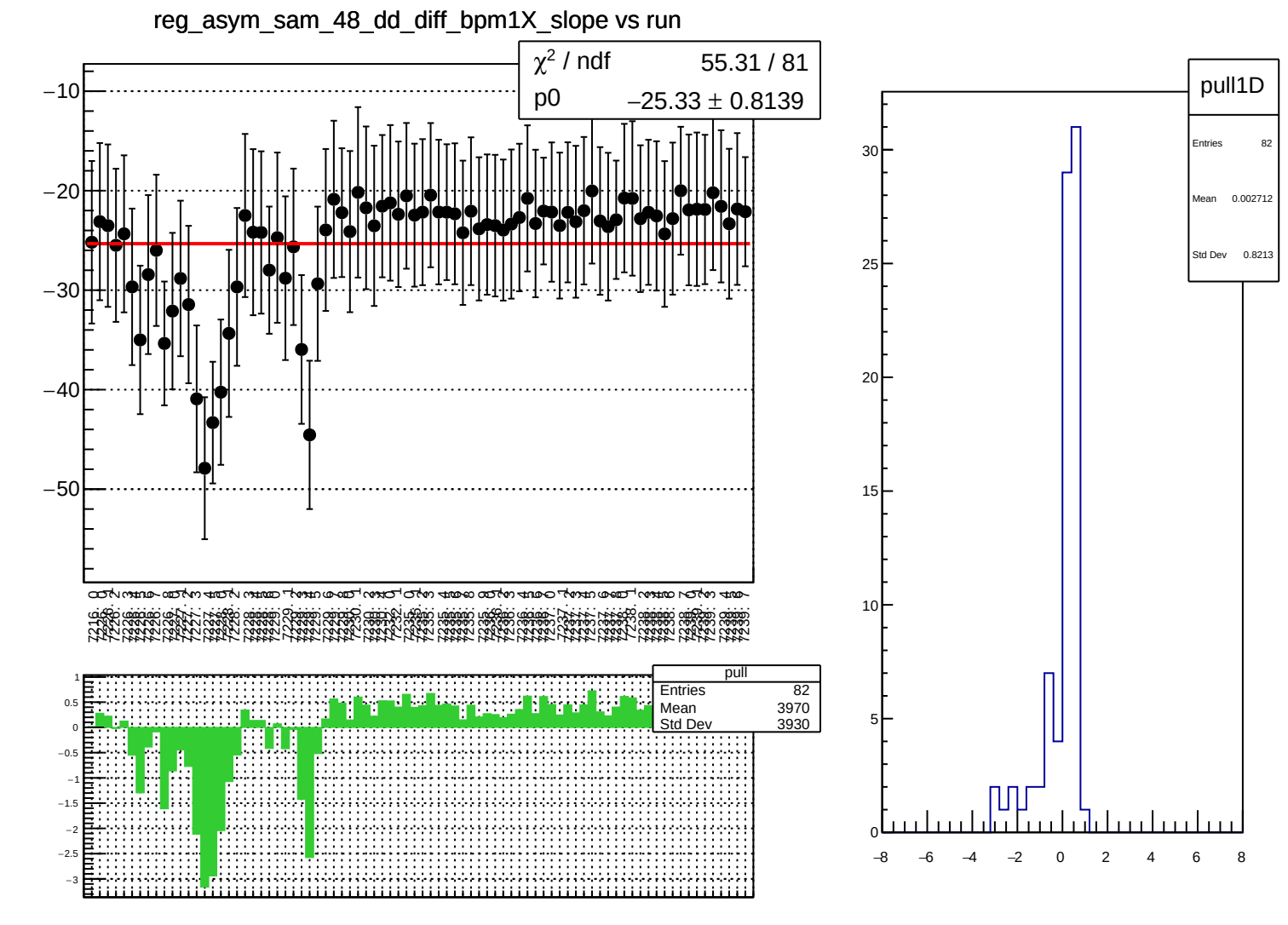

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 104.6 / 81
p0 −70.5 ± 1.004
pull
Entries 82
Mean 1089
Std Dev 1050
pull1D
Entries 82
Mean −0.01425
Std Dev 1.13

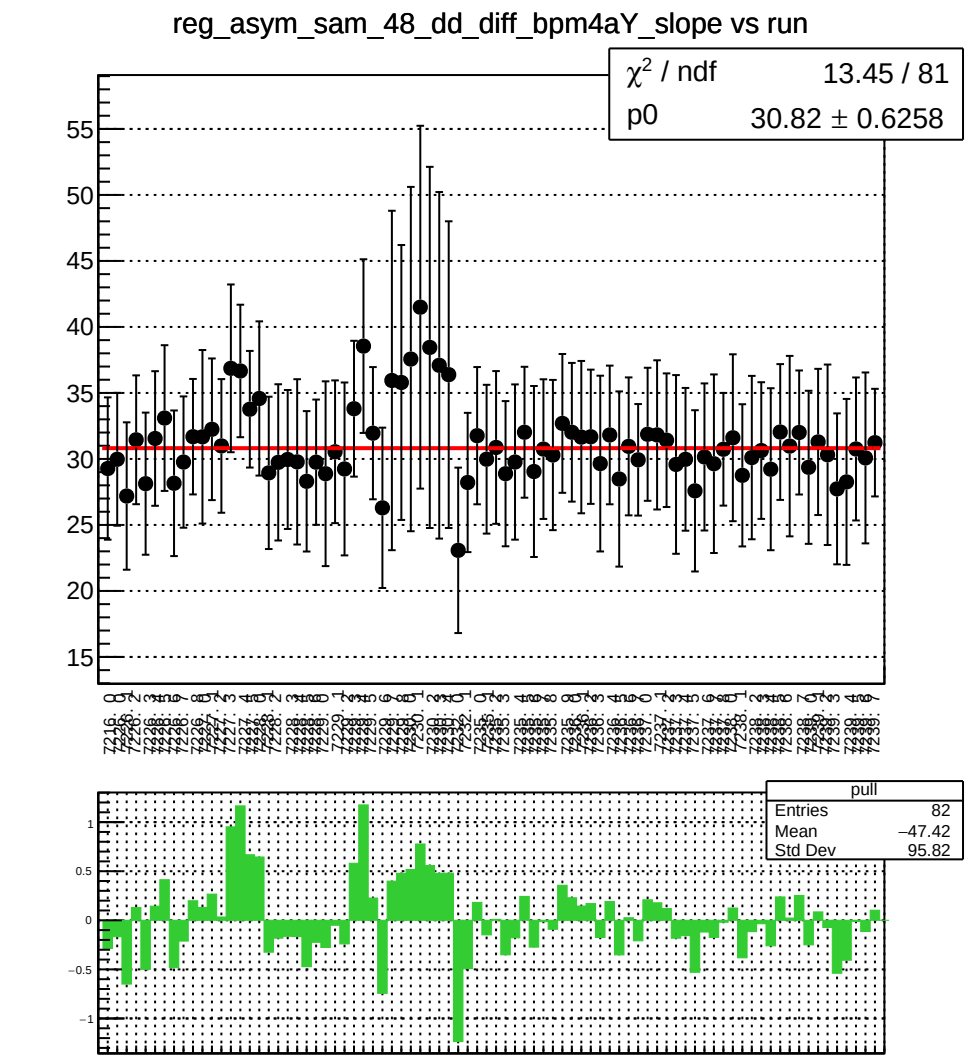

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.95 / 81
p0 106.4 ± 0.8249
pull
Entries 82
Mean −45.62
Std Dev 90.46

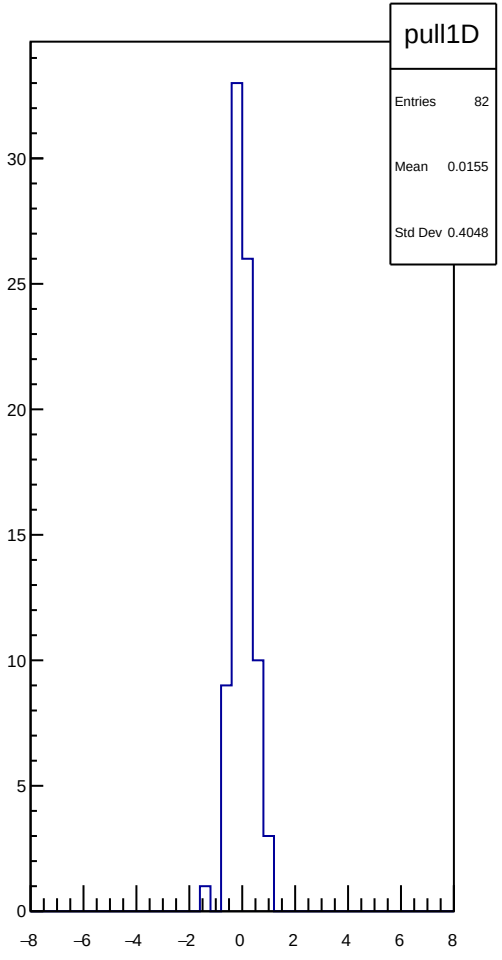

pull1D
Entries 82
Mean −0.07982
Std Dev 0.7996

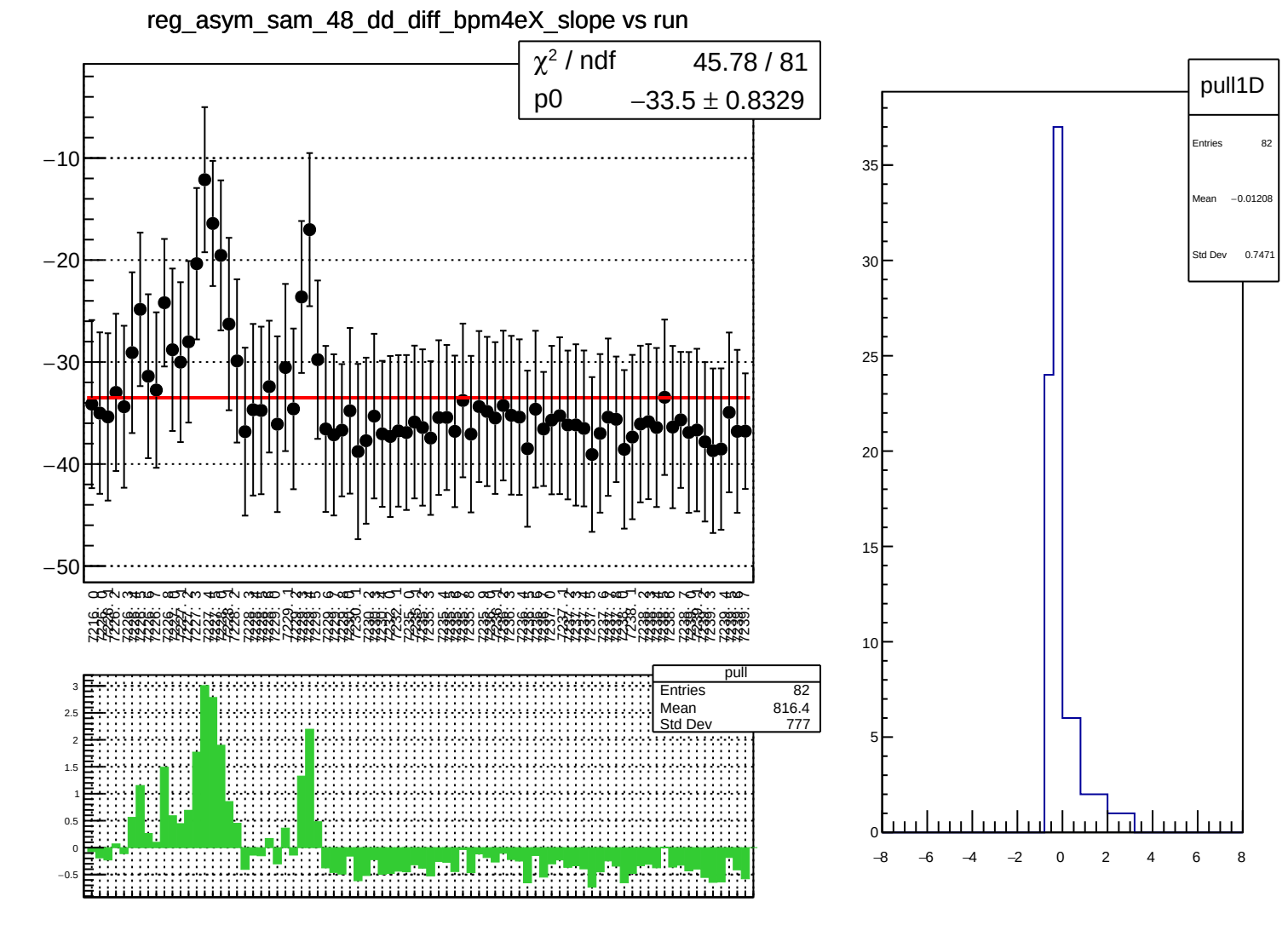

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 6.241 / 81
p0 −0.3394 ± 0.03578
pull
Entries 82
Mean 548.3
Std Dev 507.6

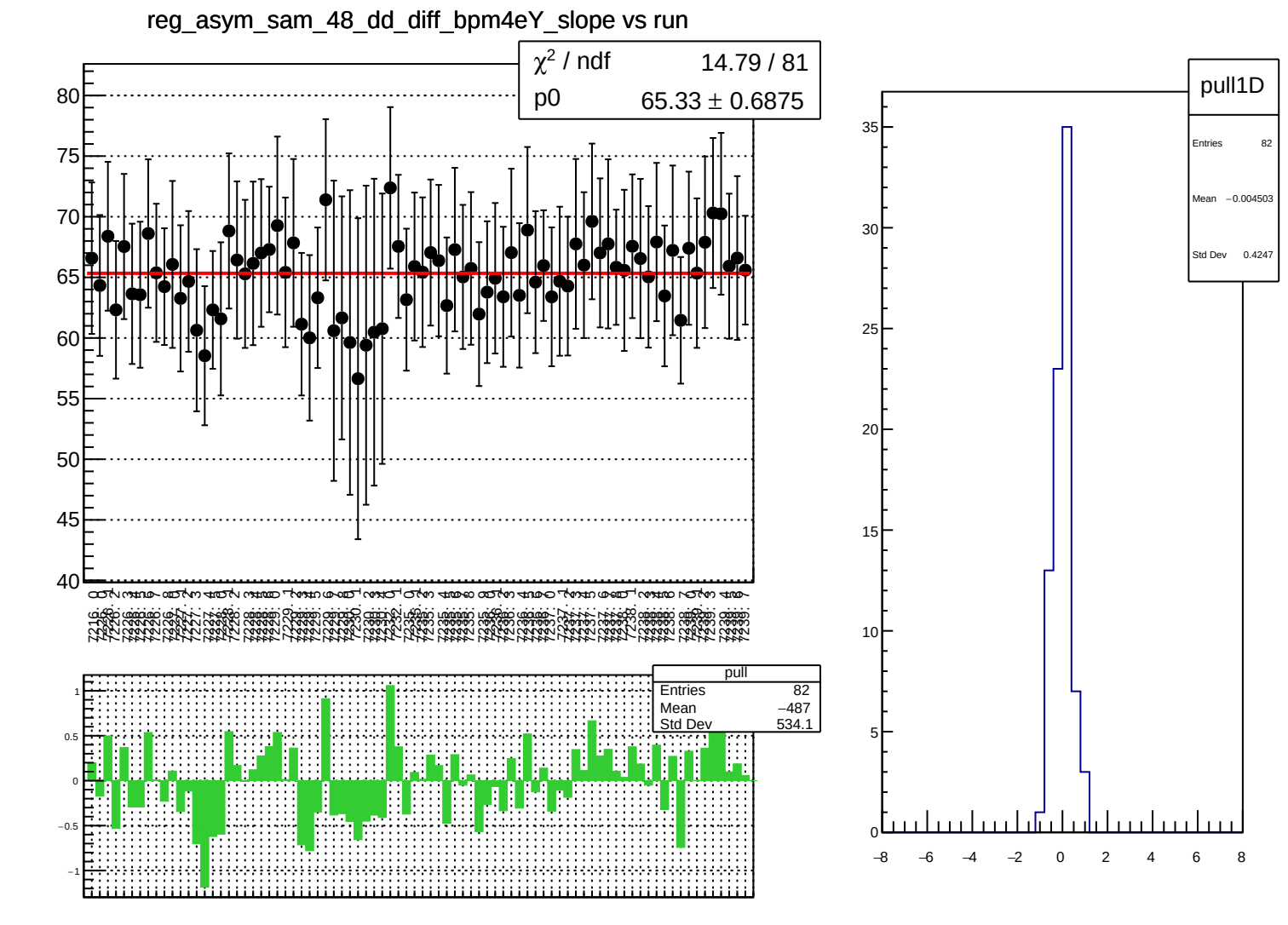

pull1D
Entries 82
Mean −0.005381
Std Dev 0.2758

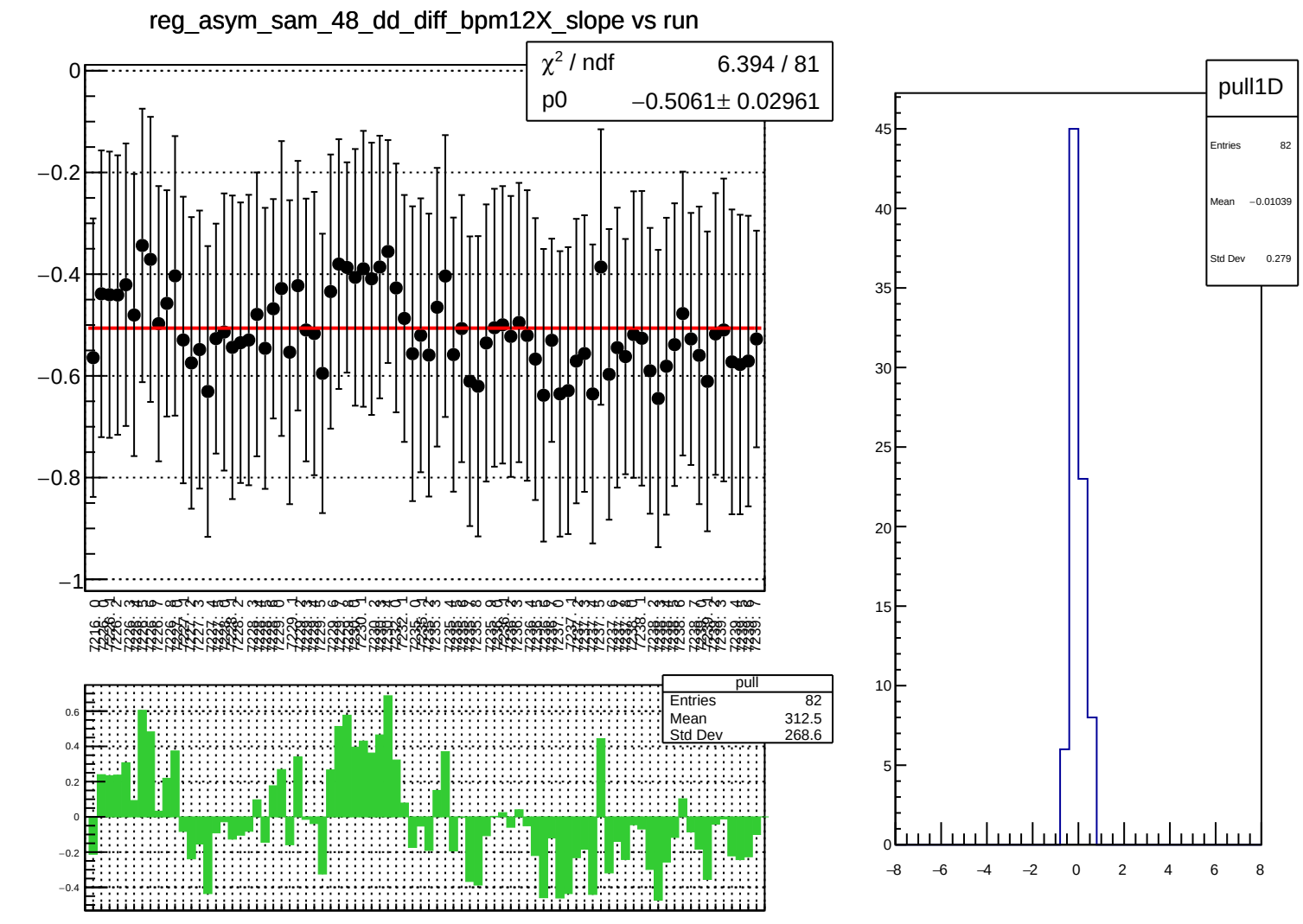

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 55.31 / 81
p0 −25.33 ± 0.8139
pull
Entries 82
Mean 3970
Std Dev 3930
pull1D
Entries 82
Mean 0.002712
Std Dev 0.8213

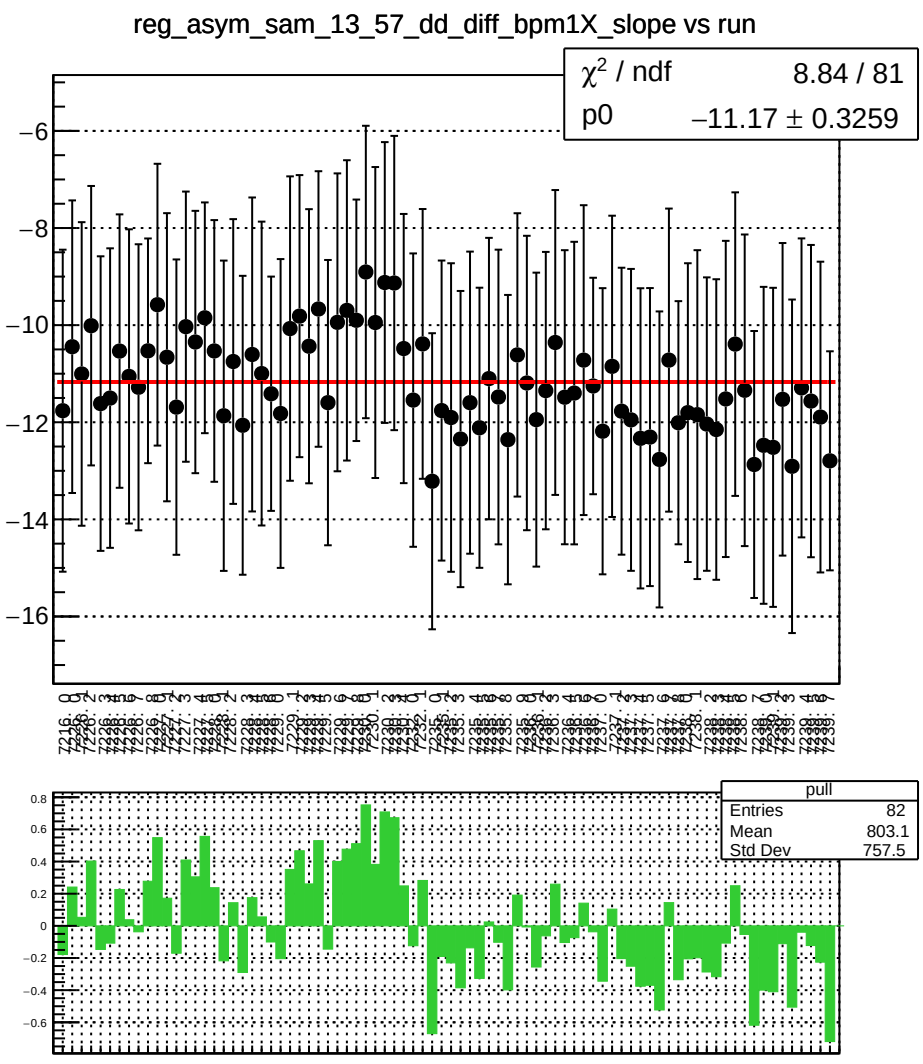

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.45 / 81
p0 30.82 ± 0.6258
pull
Entries 82
Mean −47.42
Std Dev 95.82

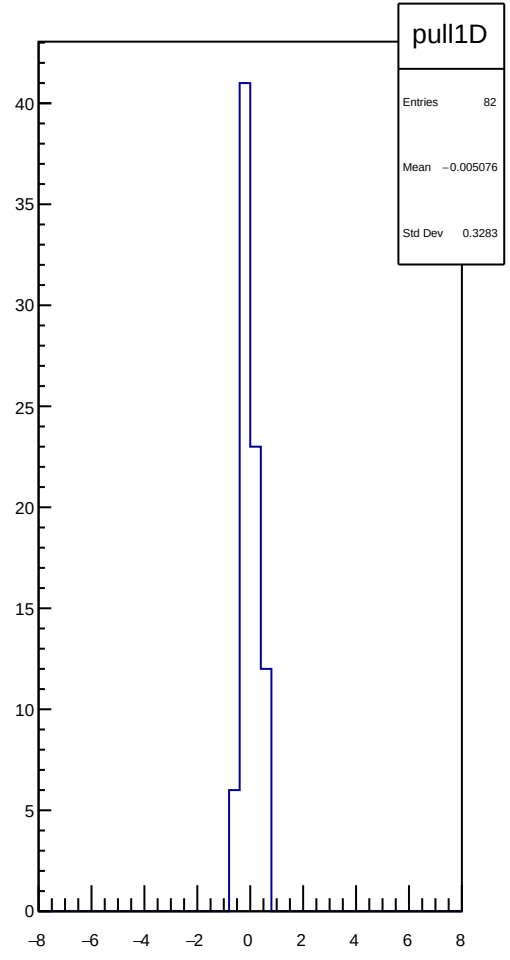

pull1D
Entries 82
Mean 0.0155
Std Dev 0.4048

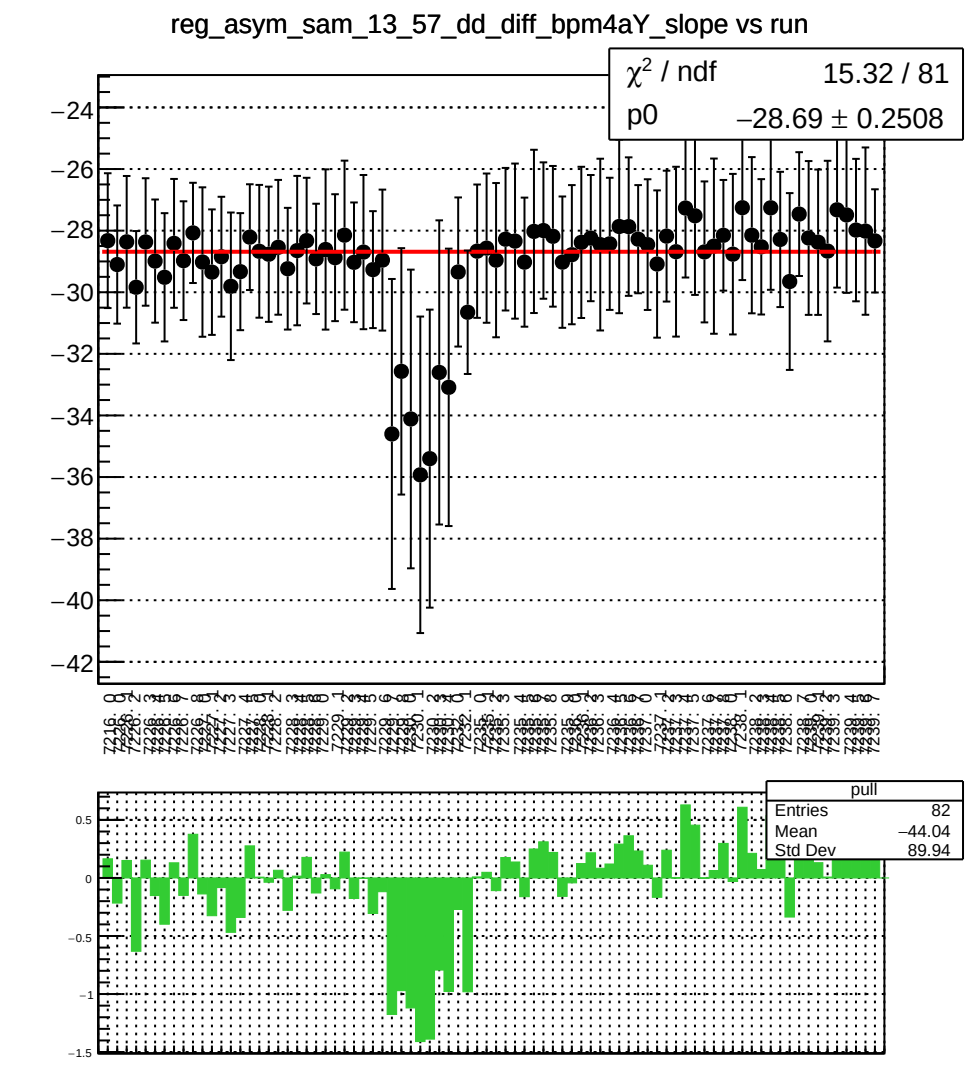

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.78 / 81
p0 −33.5 ± 0.8329
pull
Entries 82
Mean 816.4
Std Dev 777
pull1D
Entries 82
Mean −0.01208
Std Dev 0.7471

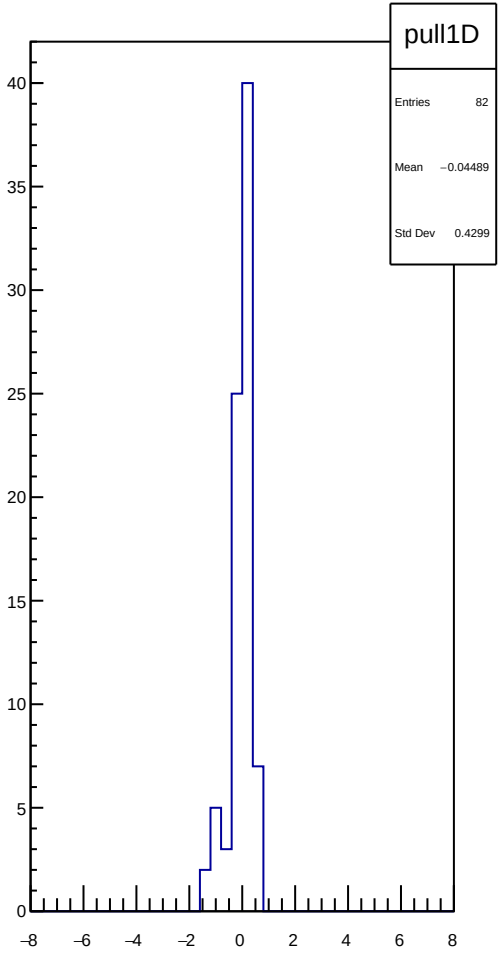

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.79 / 81
p0 65.33 ± 0.6875
pull
Entries 82
Mean −487
Std Dev 534.1
pull1D
Entries 82
Mean −0.004503
Std Dev 0.4247

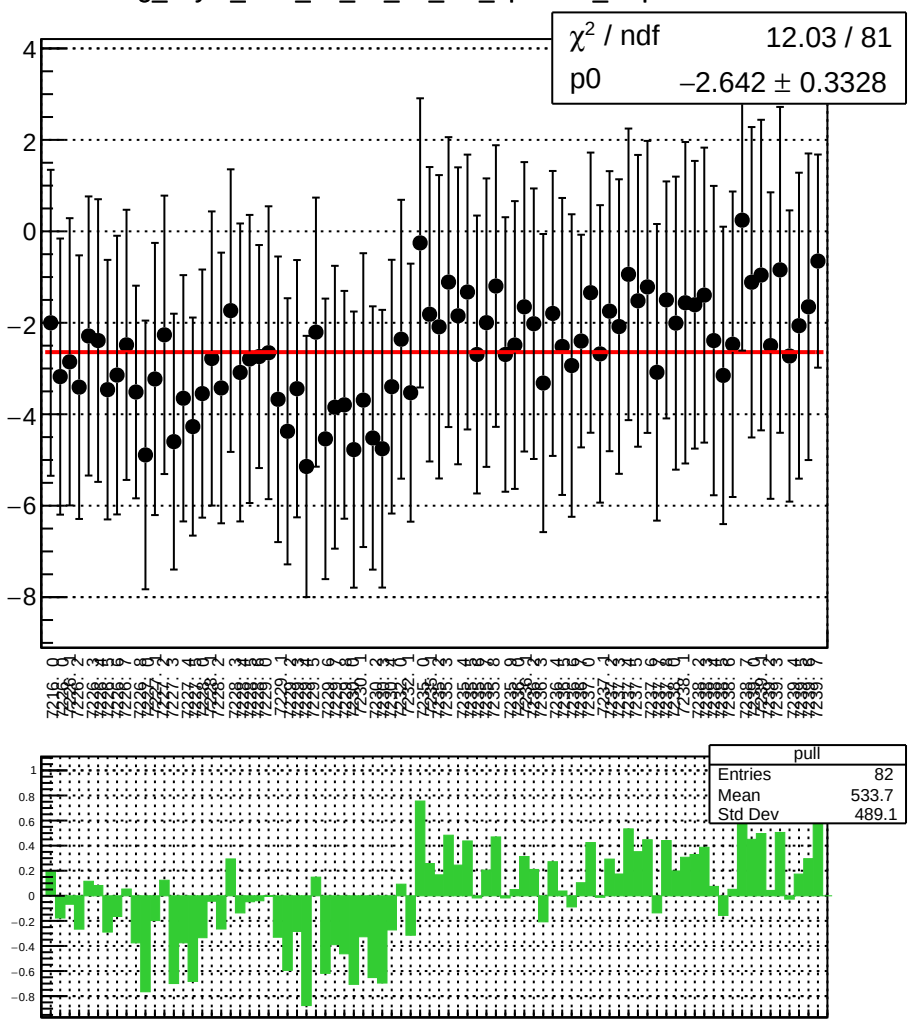

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 6.394 / 81
p0 −0.5061± 0.02961
pull
Entries 82
Mean 312.5
Std Dev 268.6
pull1D
Entries 82
Mean −0.01039
Std Dev 0.279

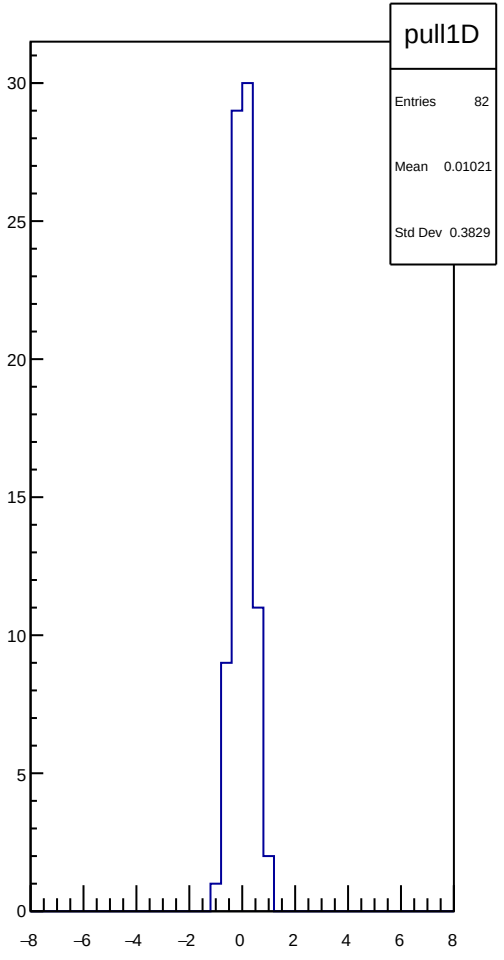

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 8.84 / 81
p0 −11.17 ± 0.3259
pull
Entries 82
Mean 803.1
Std Dev 757.5

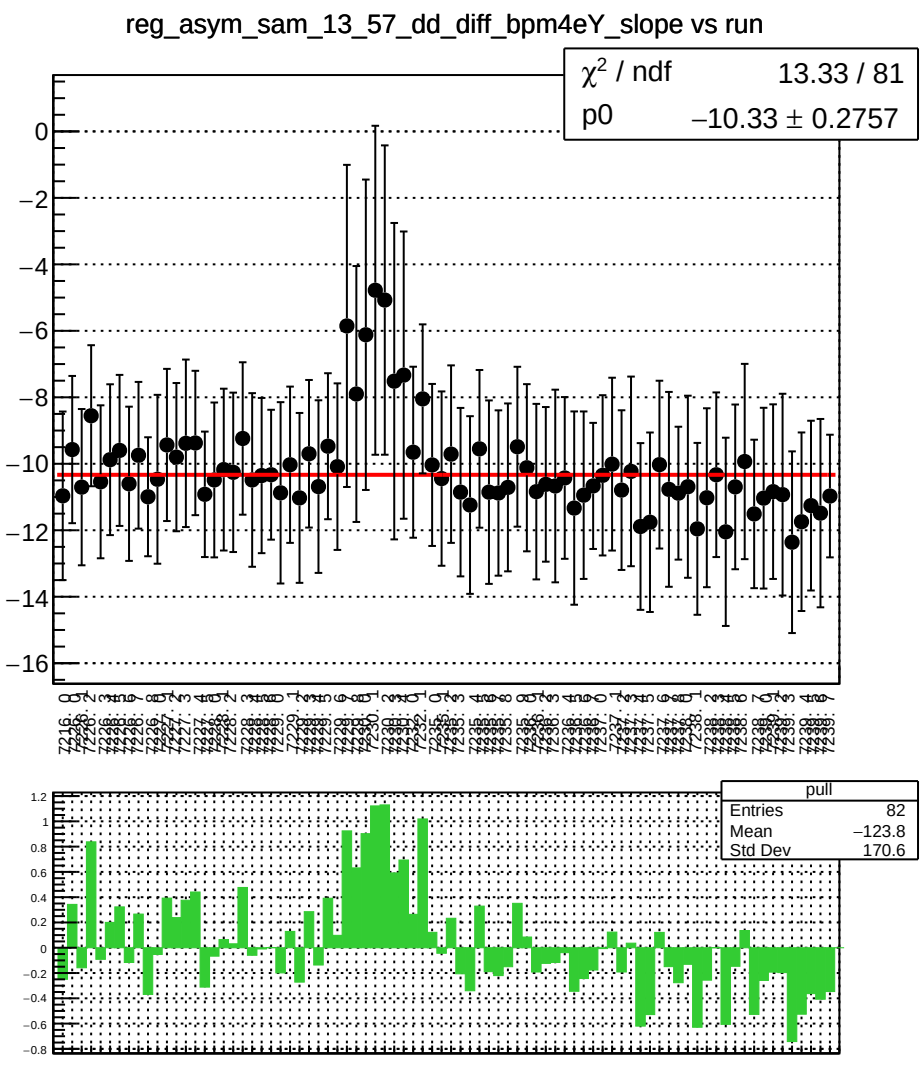

pull1D
Entries 82
Mean −0.005076
Std Dev 0.3283

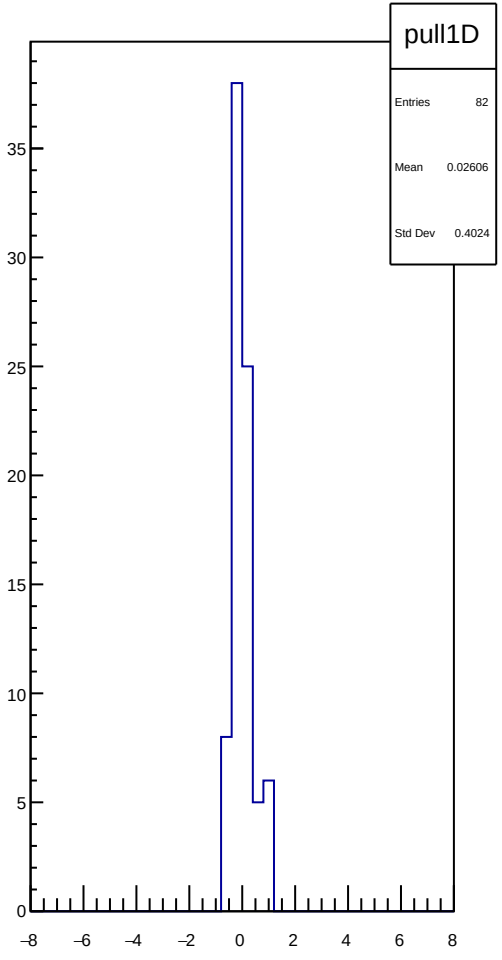

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.32 / 81
p0 −28.69 ± 0.2508
pull
Entries 82
Mean −44.04
Std Dev 89.94

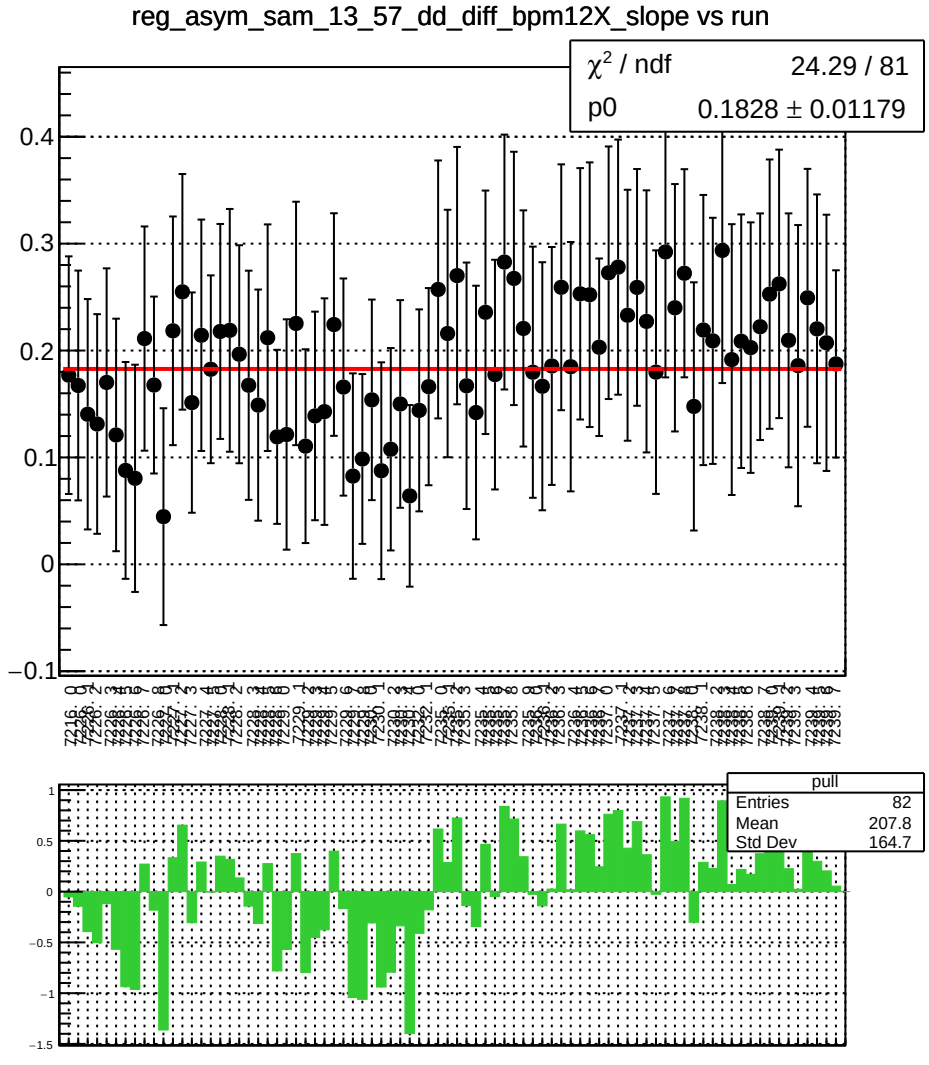

pull1D
Entries 82
Mean −0.04489
Std Dev 0.4299

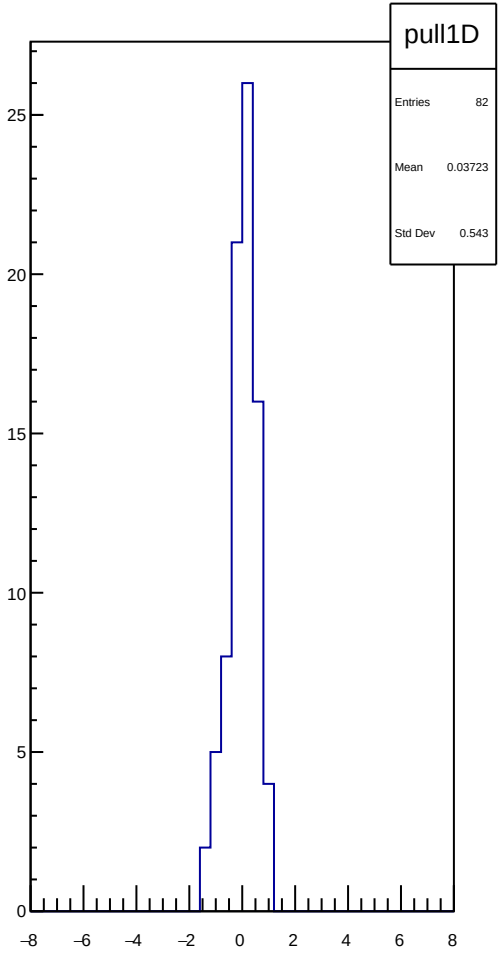

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.03 / 81
p0 −2.642 ± 0.3328
pull
Entries 82
Mean 533.7
Std Dev 489.1

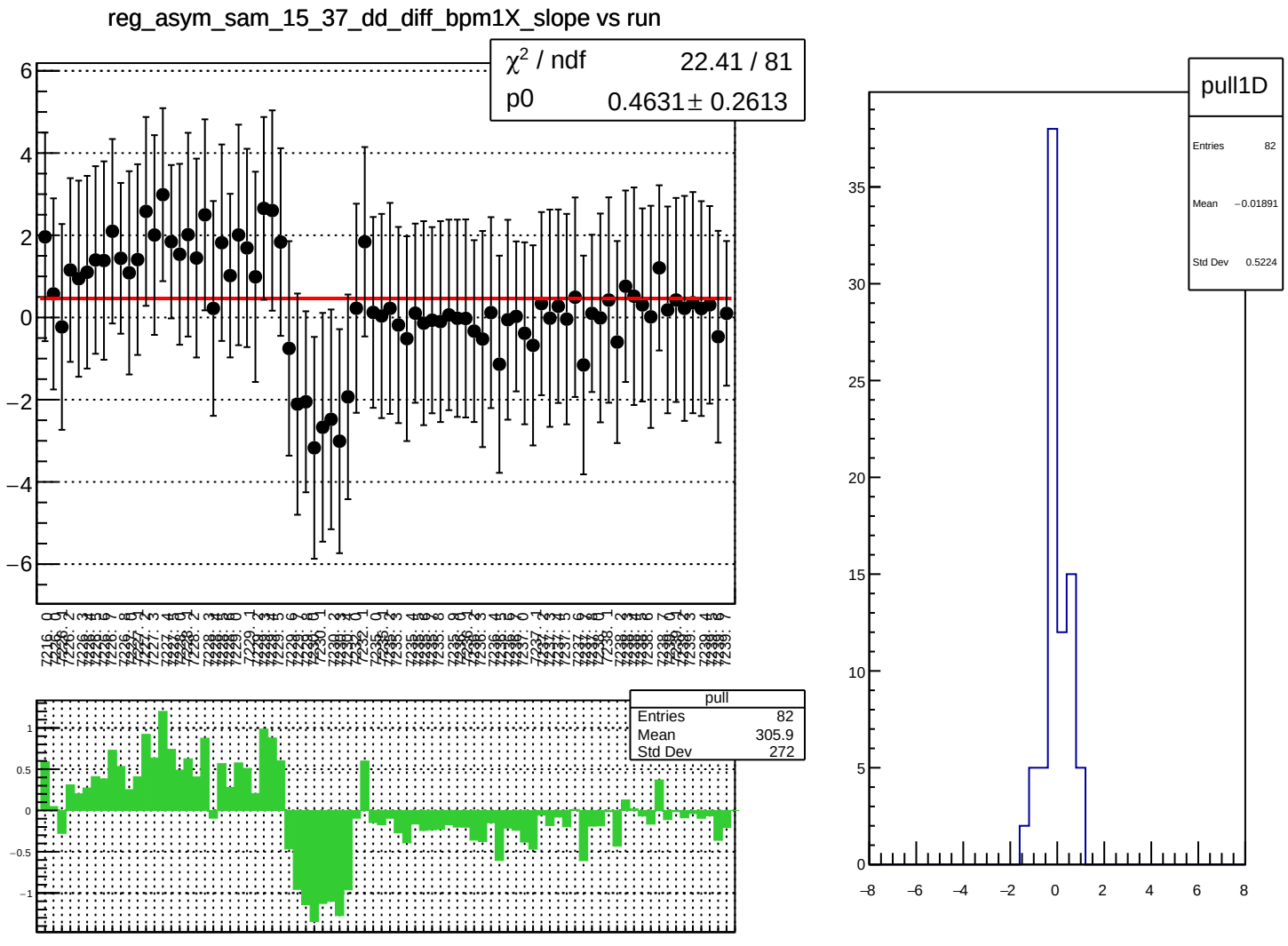

pull1D
Entries 82
Mean 0.01021
Std Dev 0.3829

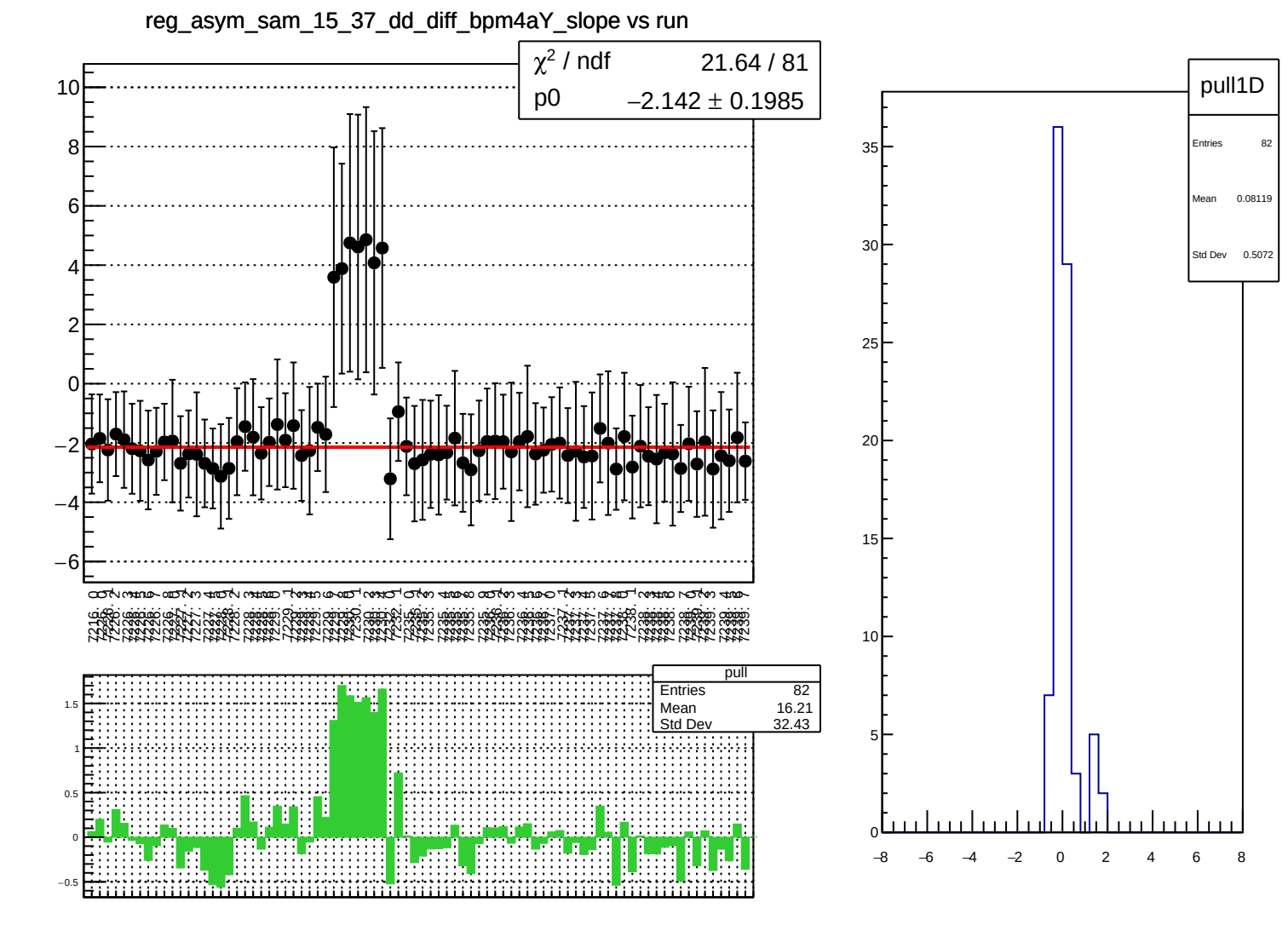

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.33 / 81
p0 −10.33 ± 0.2757
pull
Entries 82
Mean −123.8
Std Dev 170.6

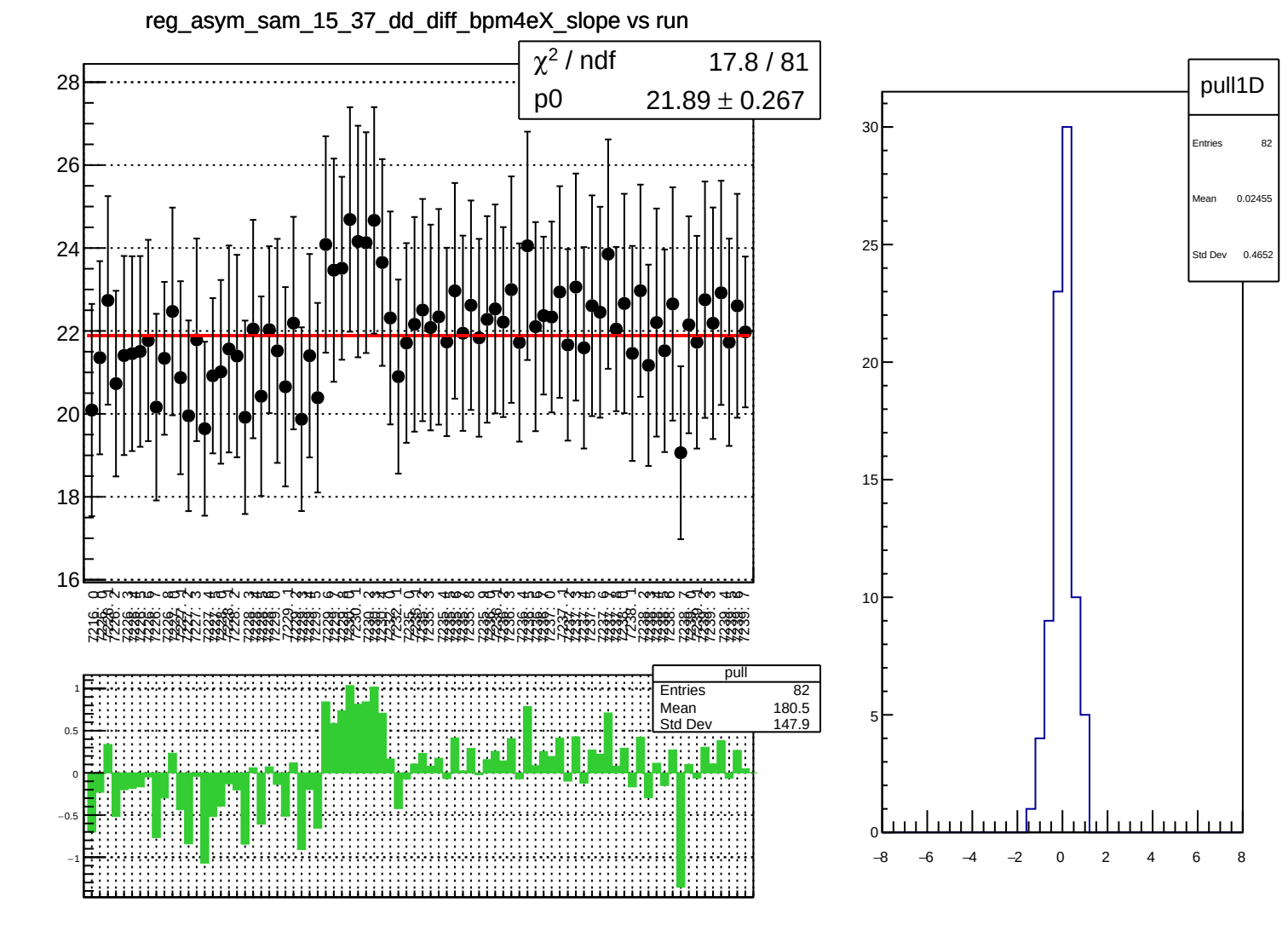

pull1D
Entries 82
Mean 0.02606
Std Dev 0.4024

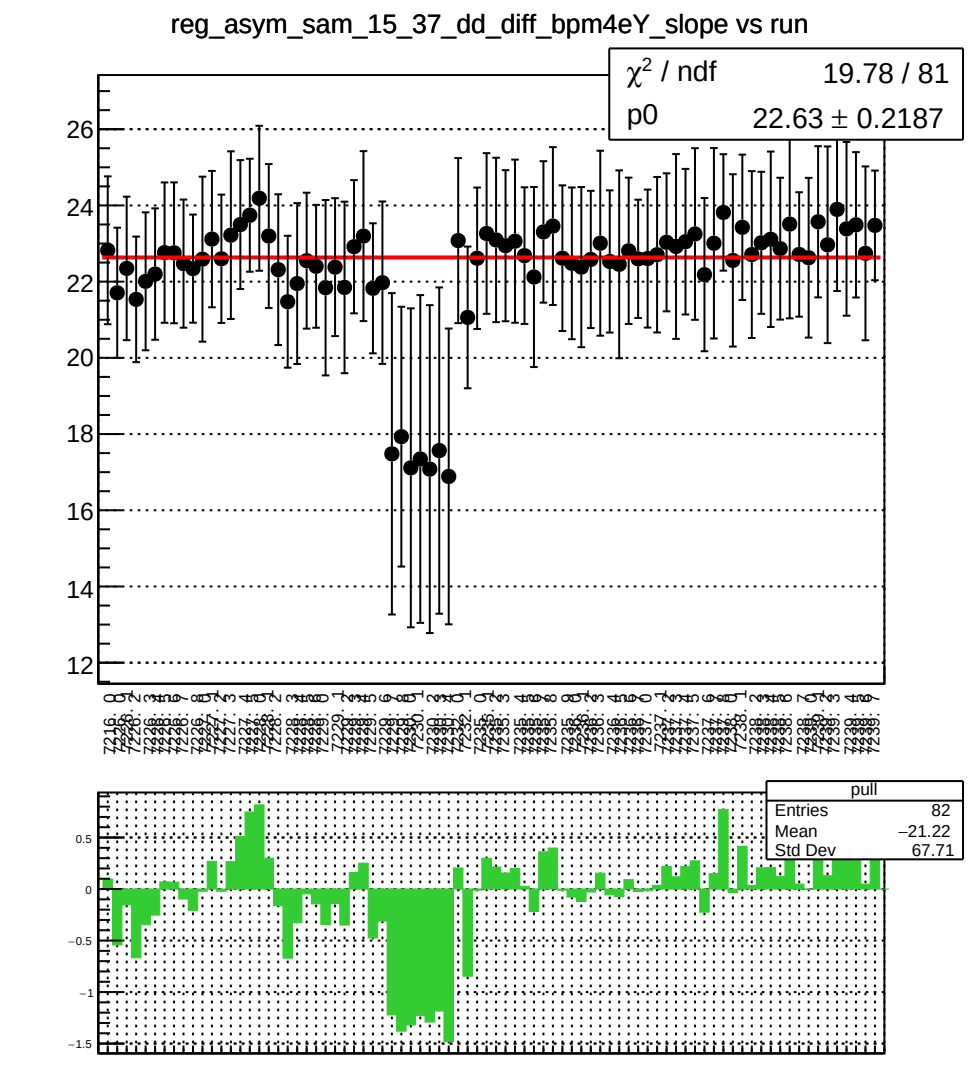

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 24.29 / 81
p0 0.1828 ± 0.01179
pull
Entries 82
Mean 207.8
Std Dev 164.7

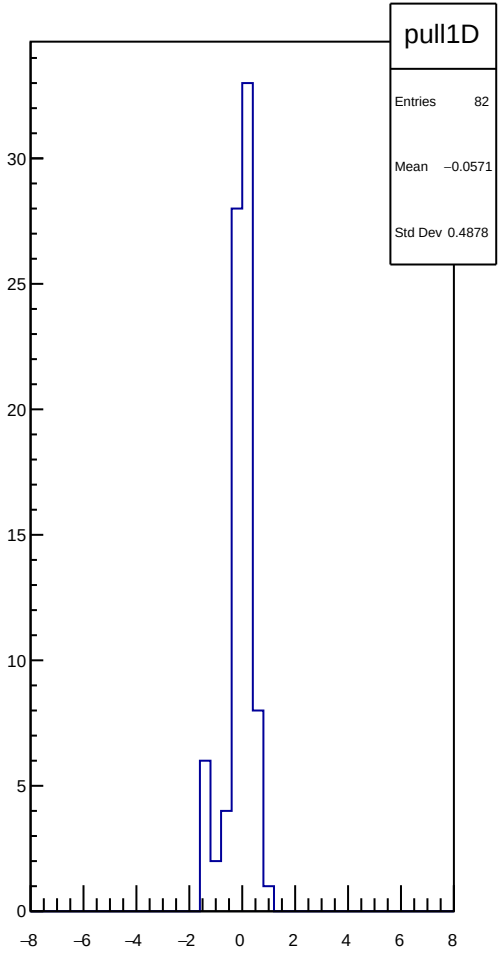

pull1D
Entries 82
Mean 0.03723
Std Dev 0.543

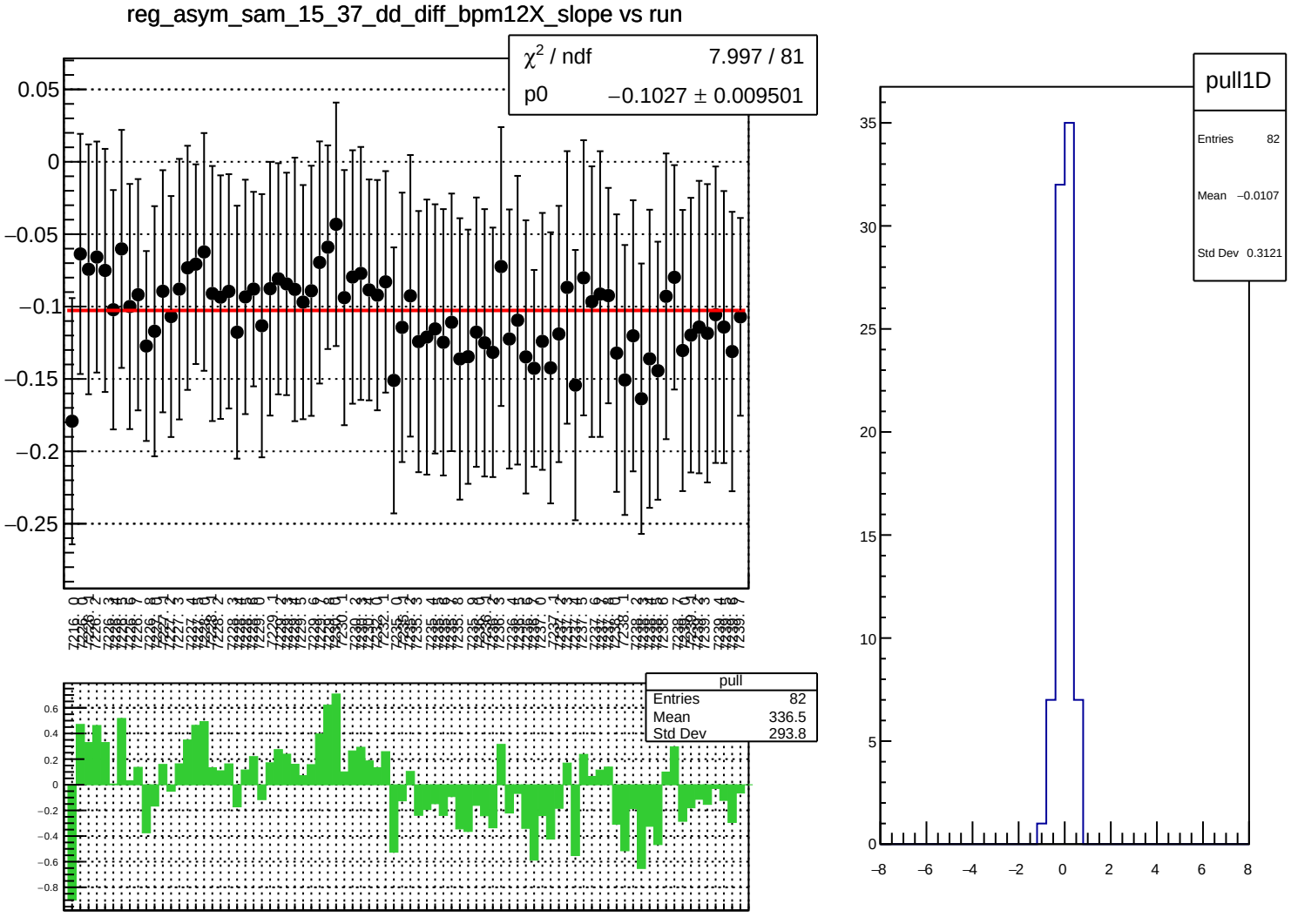

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 22.41 / 81
p0 0.4631± 0.2613
pull
Entries 82
Mean 305.9
Std Dev 272
pull1D
Entries 82
Mean −0.01891
Std Dev 0.5224

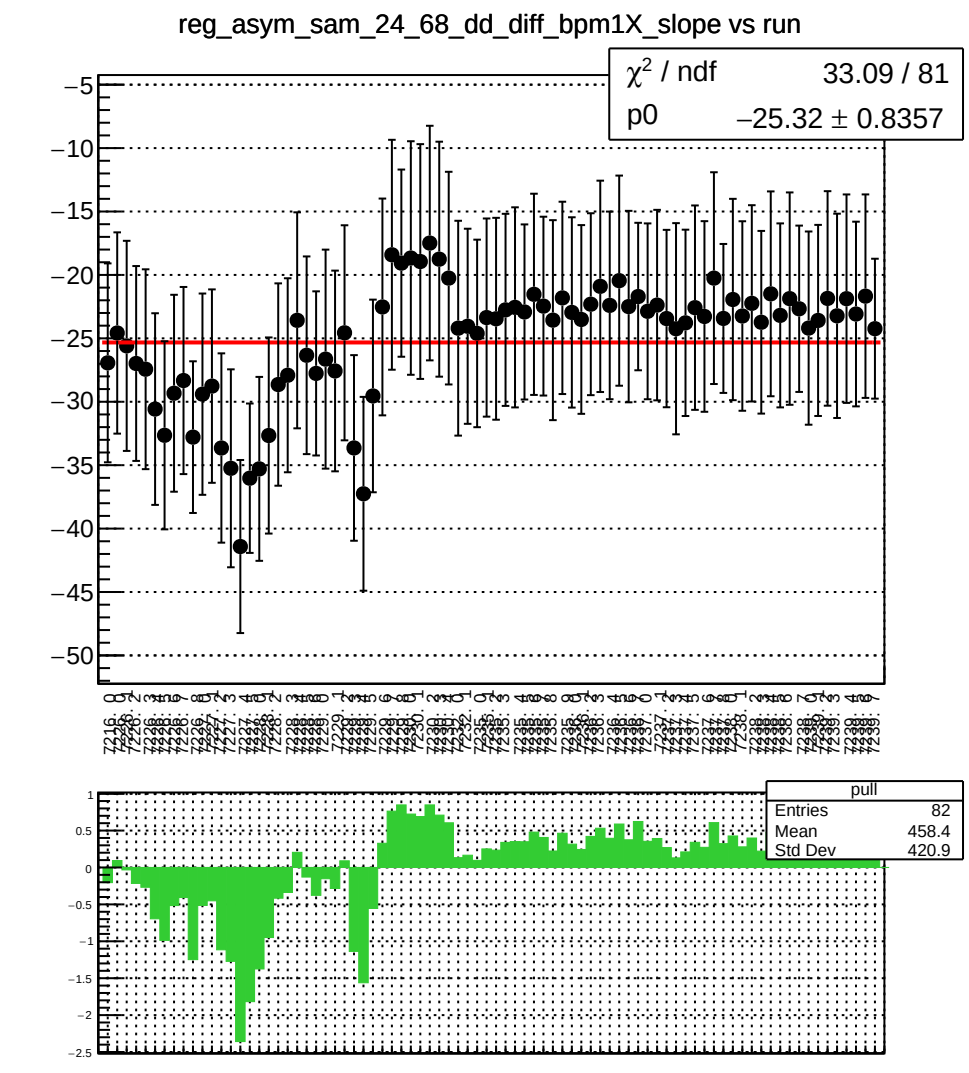

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.64 / 81
p0 −2.142 ± 0.1985
pull
Entries 82
Mean 16.21
Std Dev 32.43
pull1D
Entries 82
Mean 0.08119
Std Dev 0.5072

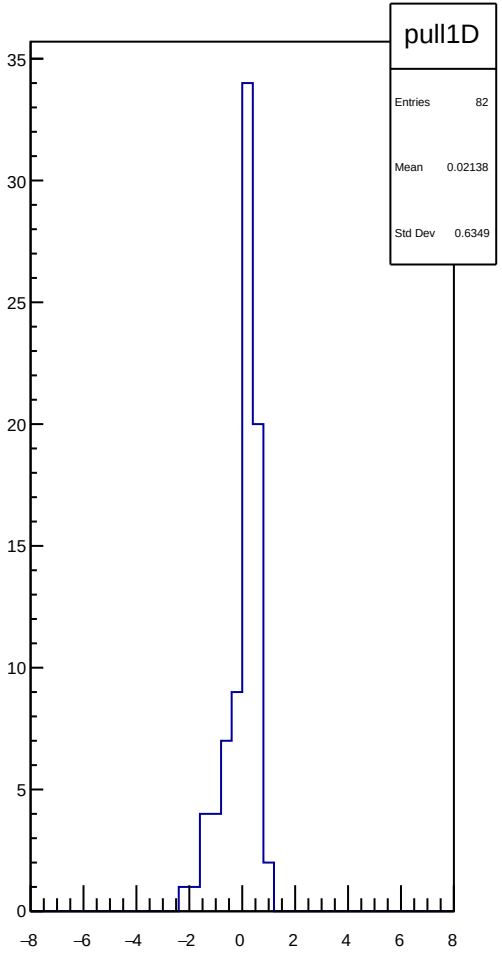

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.8 / 81
p0 21.89 ± 0.267
pull
Entries 82
Mean 180.5
Std Dev 147.9
pull1D
Entries 82
Mean 0.02455
Std Dev 0.4652

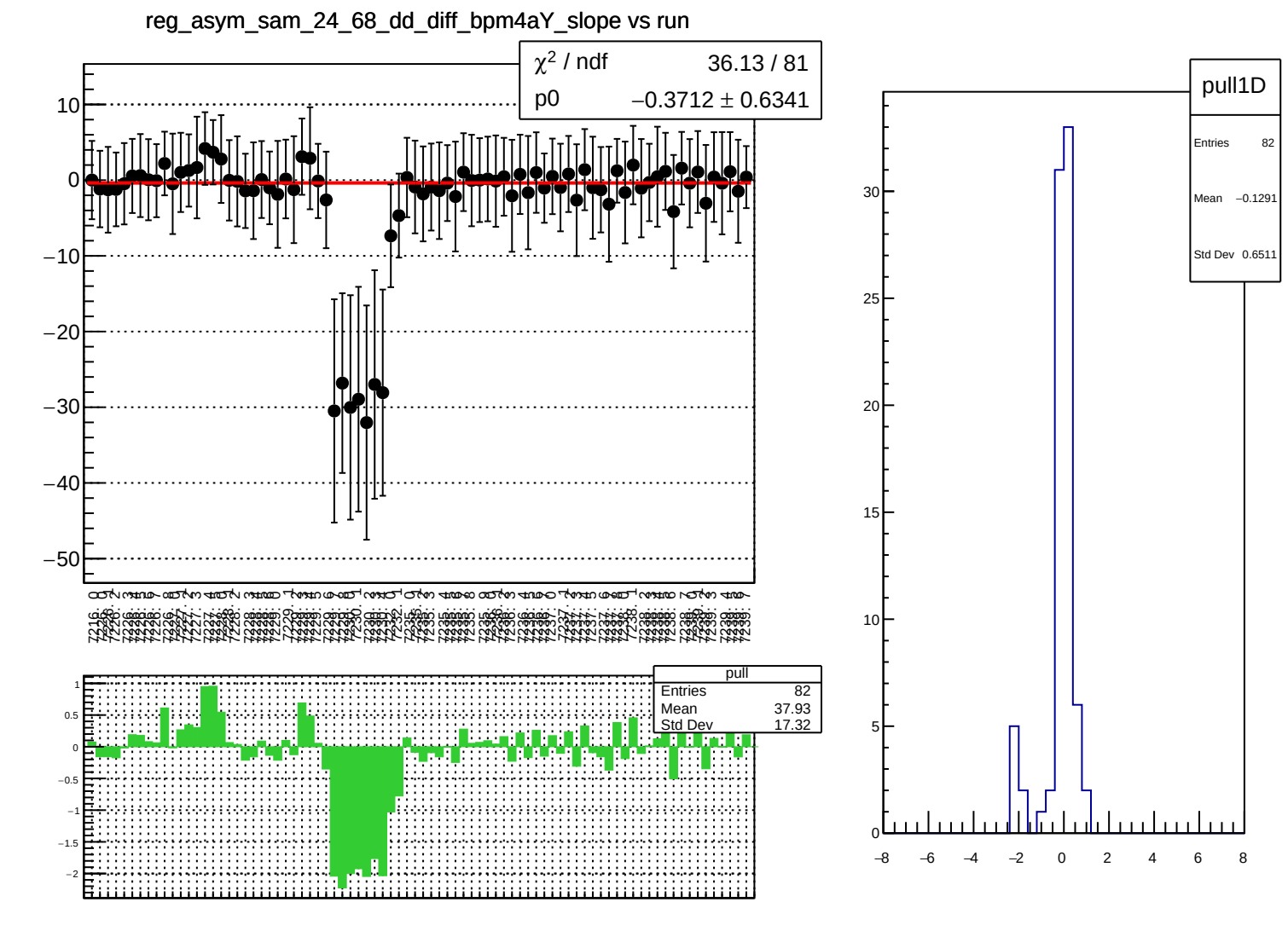

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.78 / 81
p0 22.63 ± 0.2187
pull
Entries 82
Mean −21.22
Std Dev 67.71

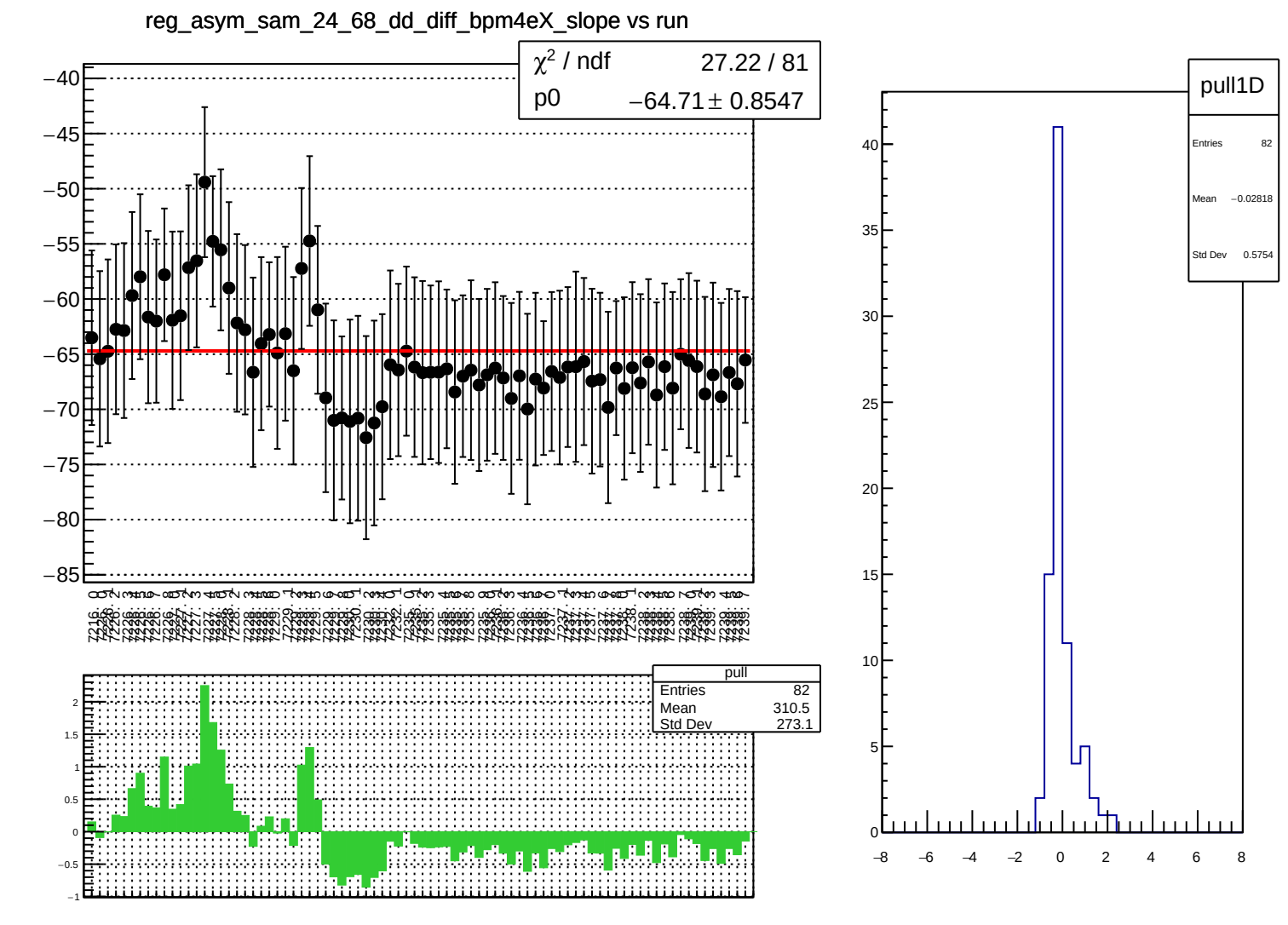

pull1D
Entries 82
Mean −0.0571
Std Dev 0.4878

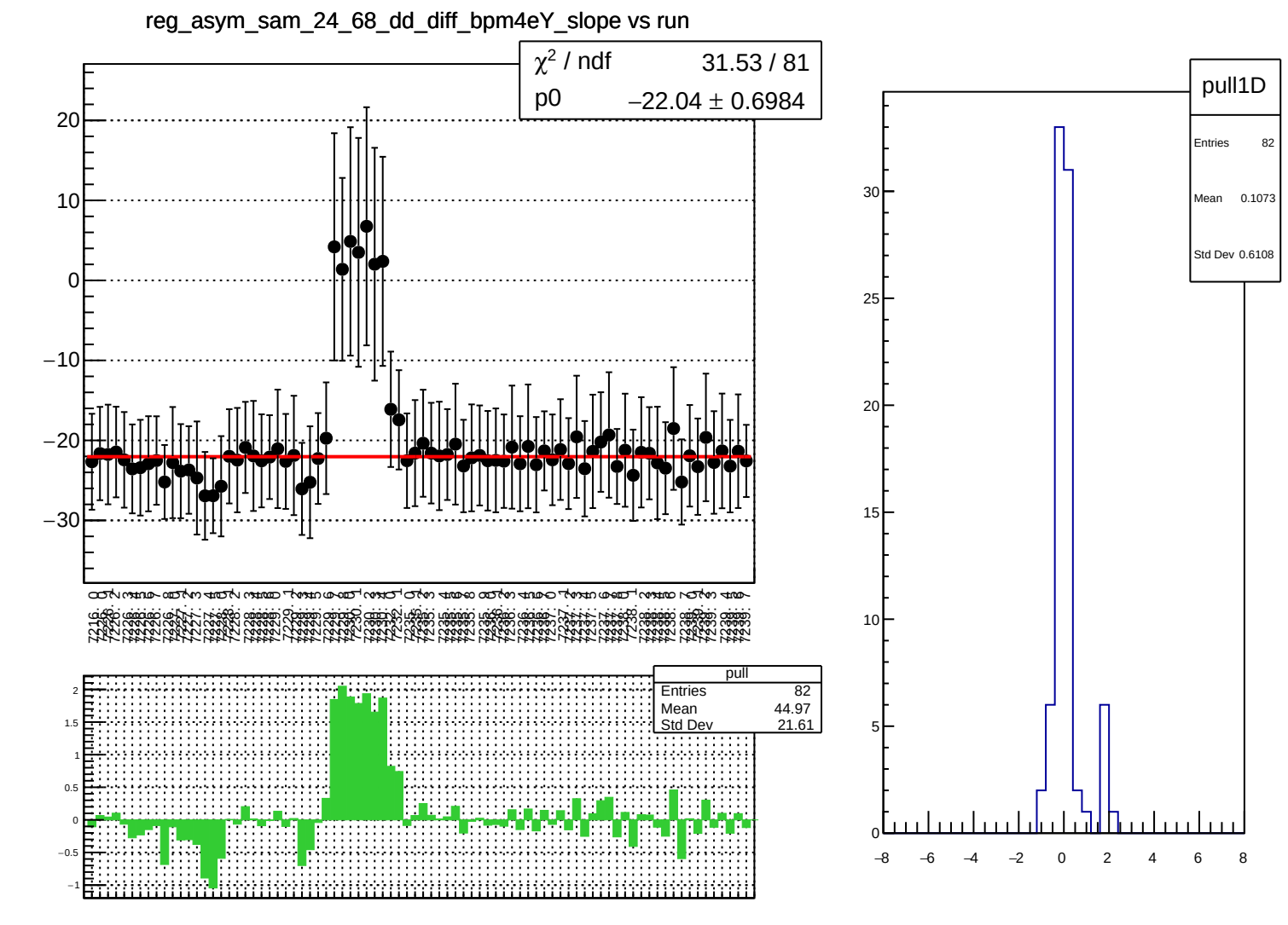

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.997 / 81
p0 −0.1027 ± 0.009501
pull
Entries 82
Mean 336.5
Std Dev 293.8
pull1D
Entries 82
Mean −0.0107
Std Dev 0.3121

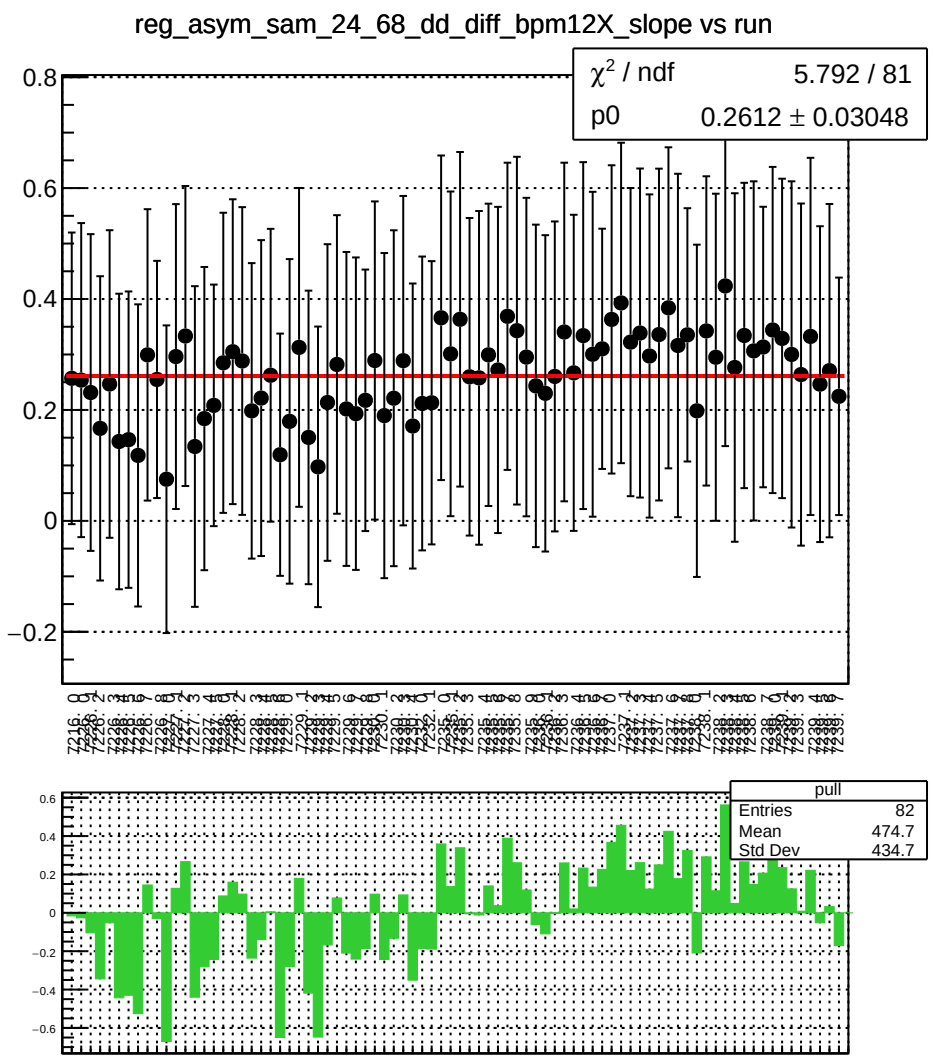

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 33.09 / 81
p0 −25.32 ± 0.8357
pull
Entries 82
Mean 458.4
Std Dev 420.9

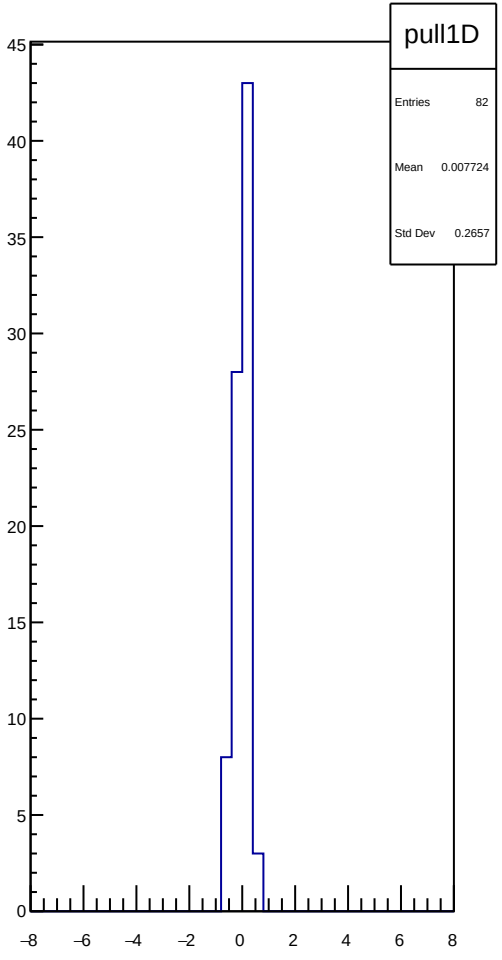

pull1D
Entries 82
Mean 0.02138
Std Dev 0.6349

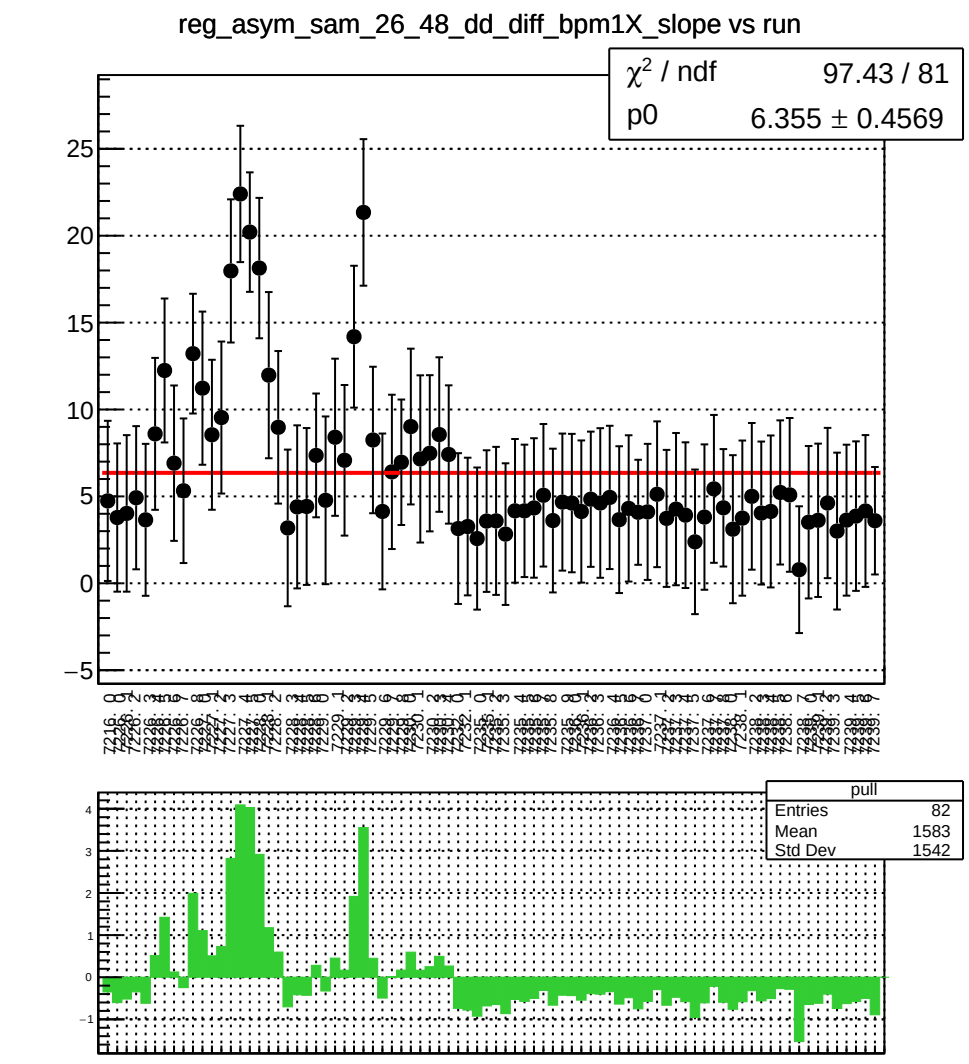

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.13 / 81
p0 −0.3712 ± 0.6341
pull
Entries 82
Mean 37.93
Std Dev 17.32
pull1D
Entries 82
Mean −0.1291
Std Dev 0.6511

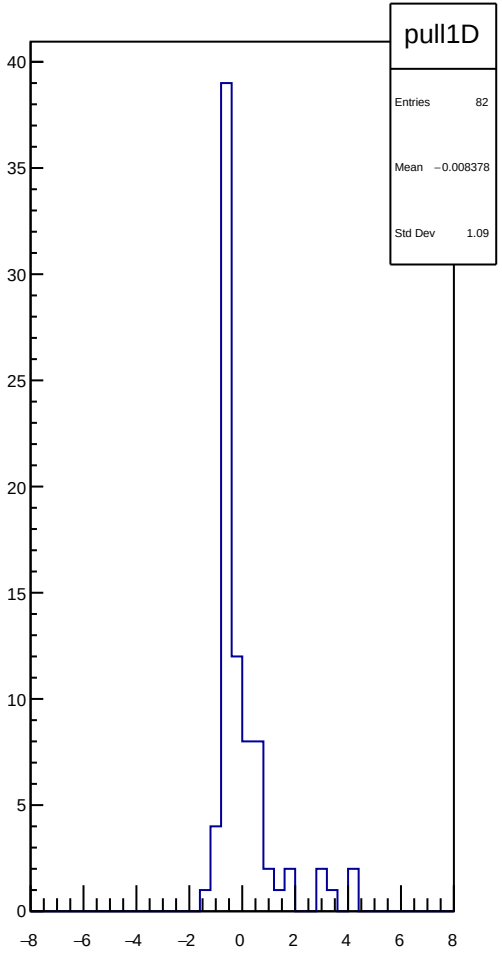

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.22 / 81
p0 −64.71 ± 0.8547
pull
Entries 82
Mean 310.5
Std Dev 273.1
pull1D
Entries 82
Mean −0.02818
Std Dev 0.5754

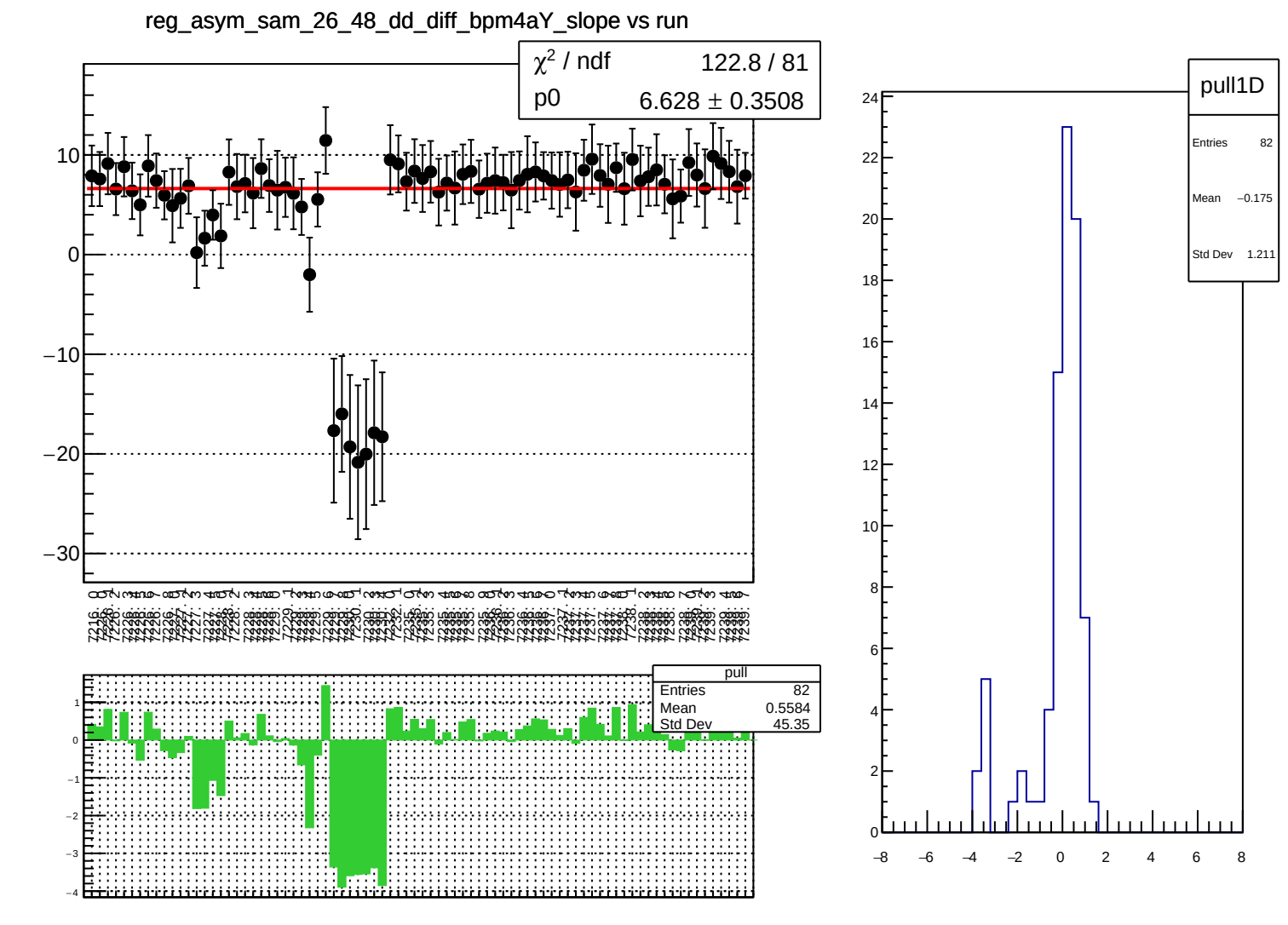

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.53 / 81
p0 −22.04 ± 0.6984
pull
Entries 82
Mean 44.97
Std Dev 21.61
pull1D
Entries 82
Mean 0.1073
Std Dev 0.6108

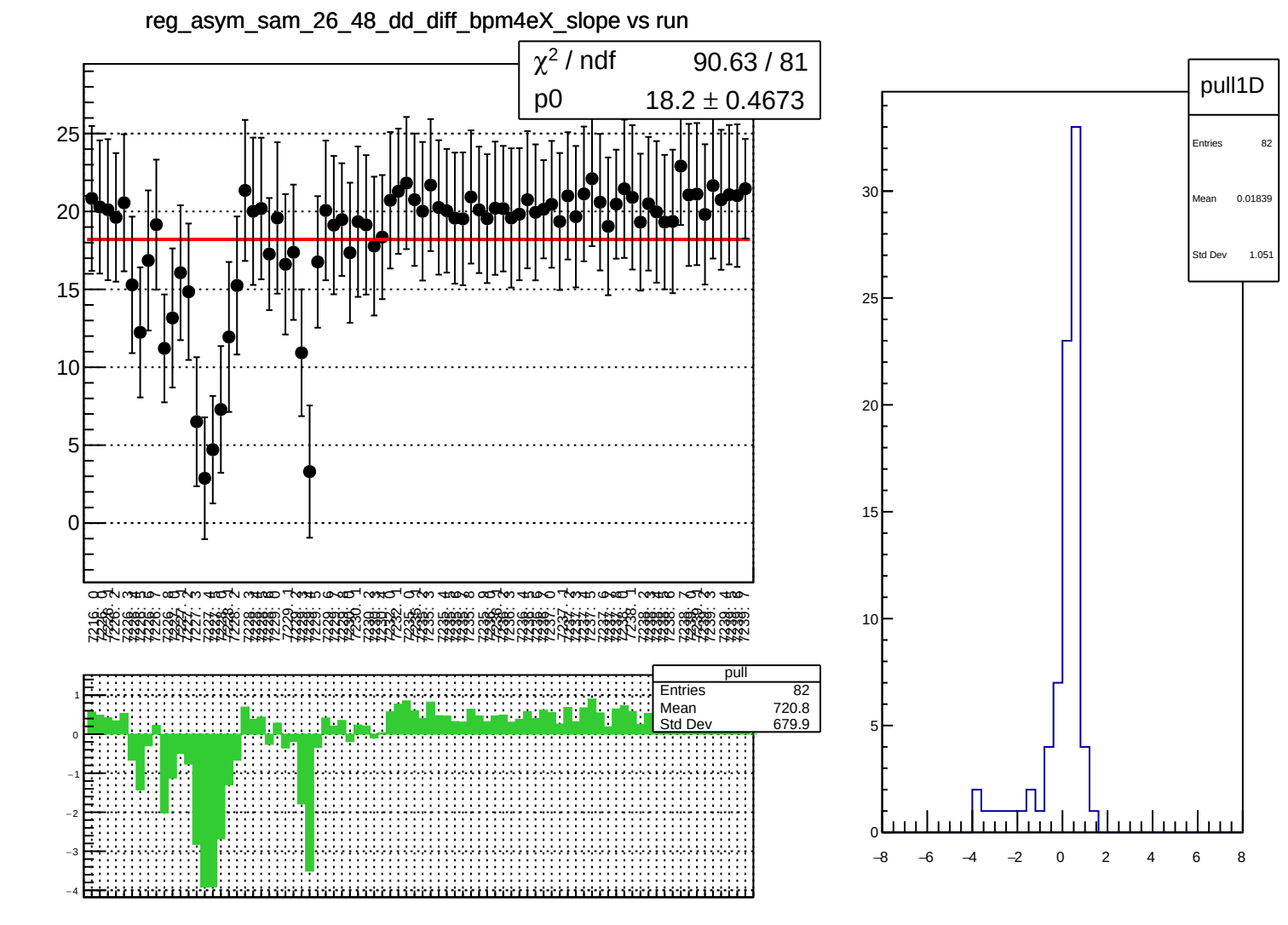

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 5.792 / 81
p0 0.2612 ± 0.03048
pull
Entries 82
Mean 474.7
Std Dev 434.7

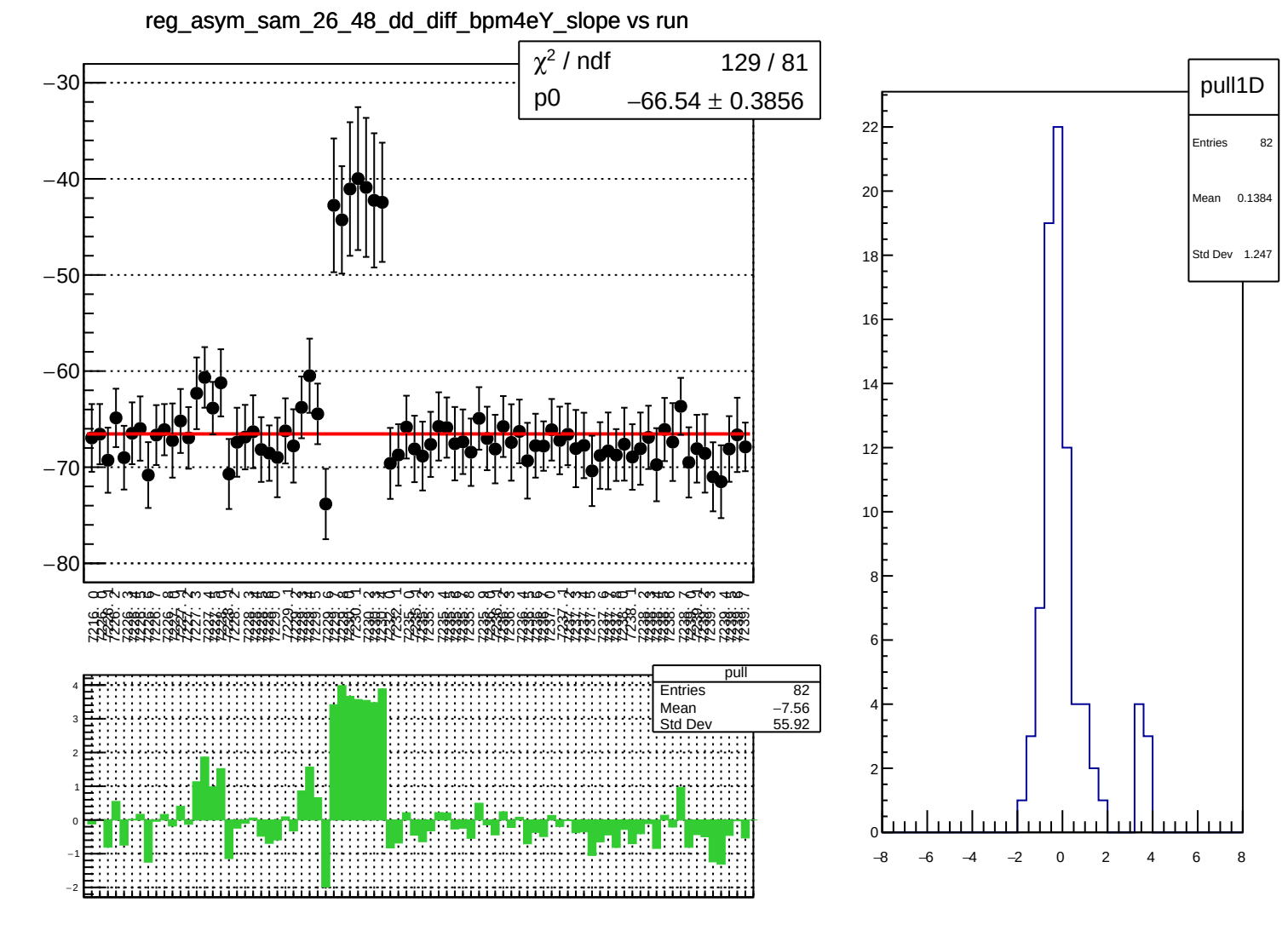

pull1D
Entries 82
Mean 0.007724
Std Dev 0.2657

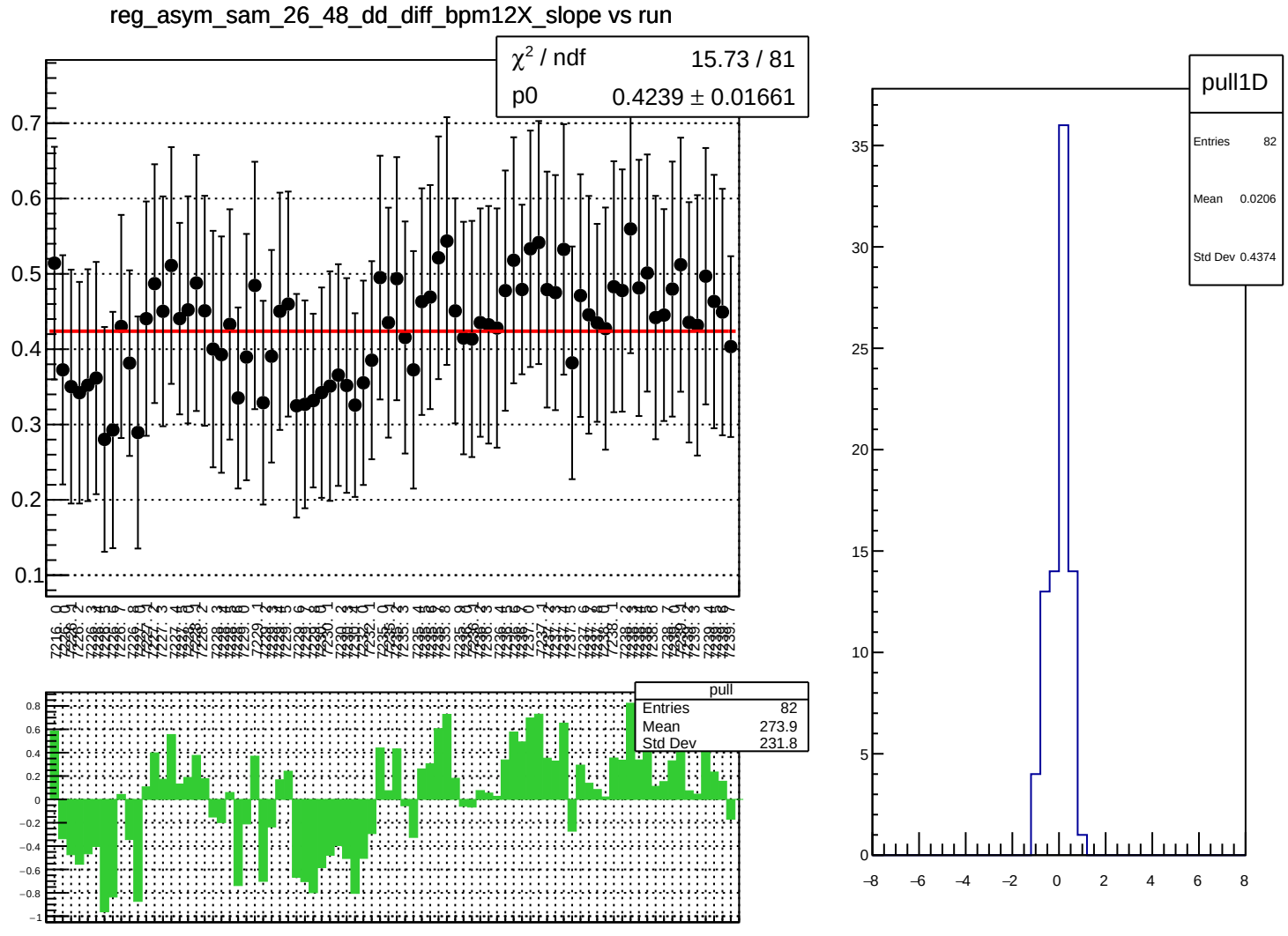

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 97.43 / 81
p0 6.355 ± 0.4569
pull
Entries 82
Mean 1583
Std Dev 1542

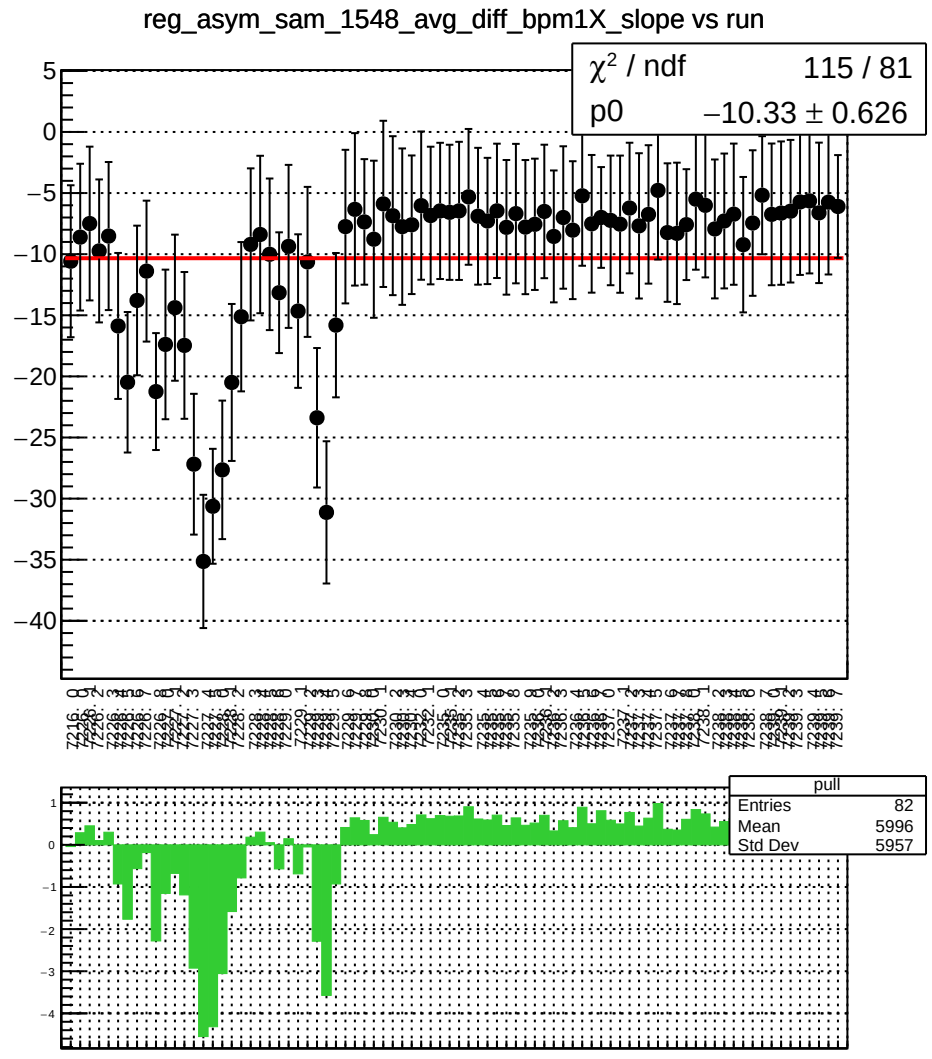

pull1D
Entries 82
Mean −0.008378
Std Dev 1.09

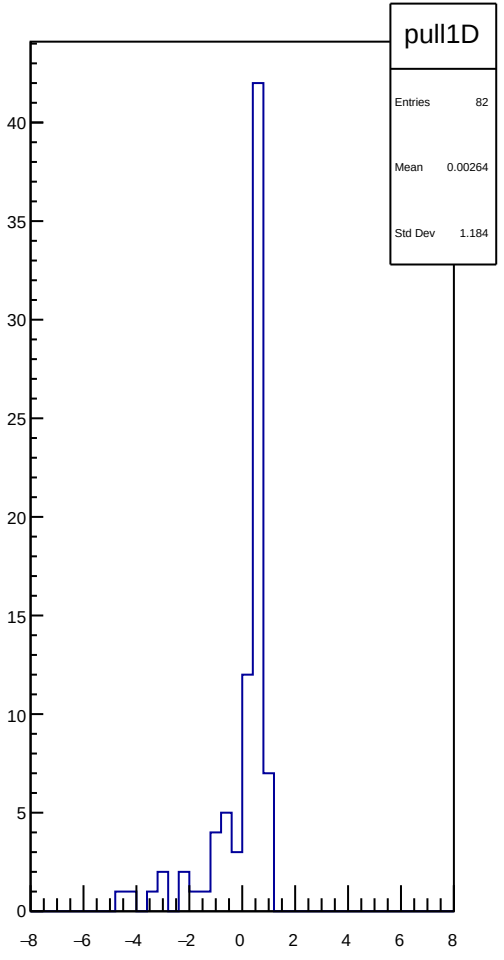

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 122.8 / 81
p0 6.628 ± 0.3508
pull
Entries 82
Mean 0.5584
Std Dev 45.35
pull1D
Entries 82
Mean −0.175
Std Dev 1.211

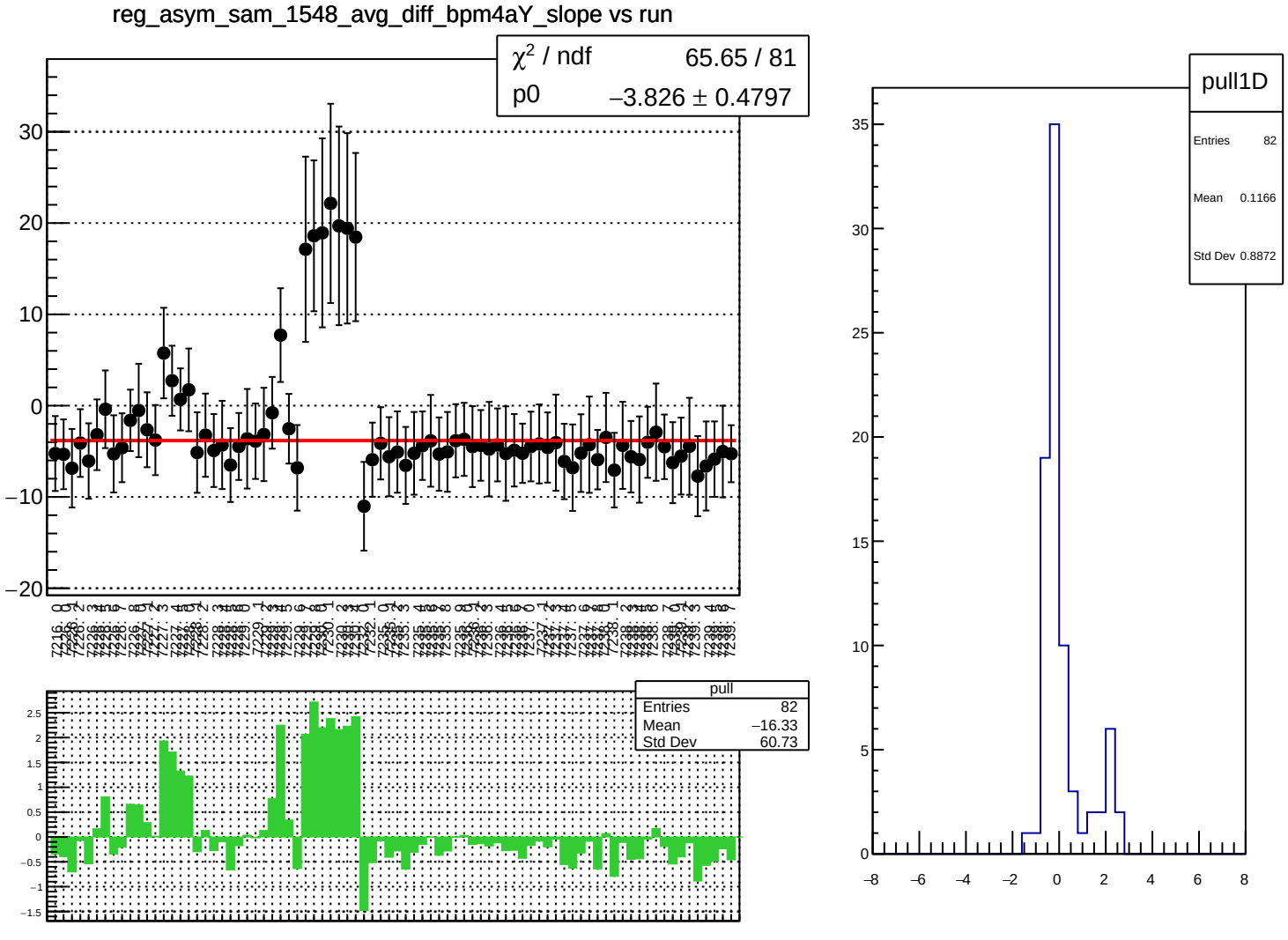

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.63 / 81
p0 18.2 ± 0.4673
pull
Entries 82
Mean 720.8
Std Dev 679.9
pull1D
Entries 82
Mean 0.01839
Std Dev 1.051

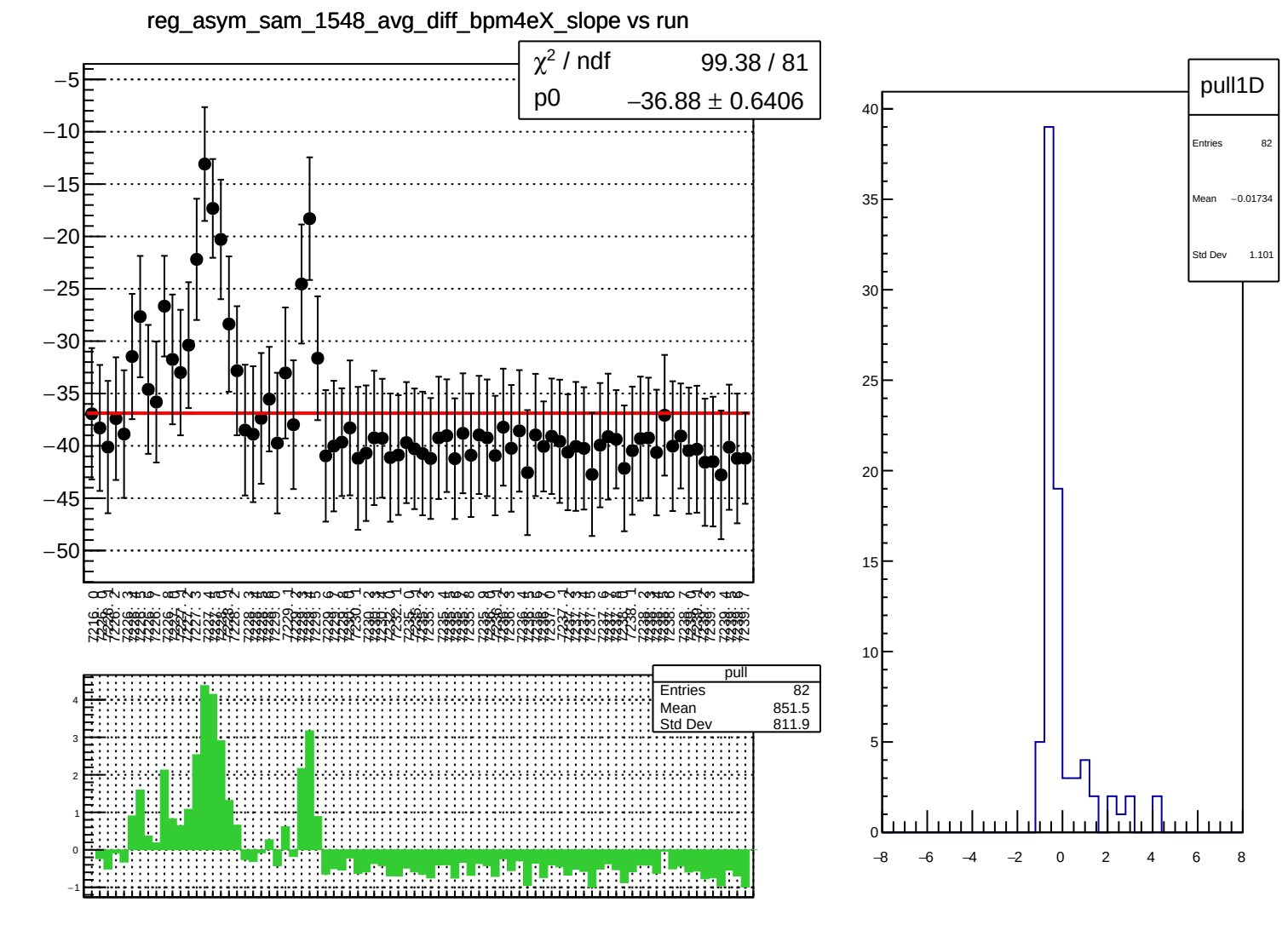

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 129 / 81
p0 −66.54 ± 0.3856
pull
Entries 82
Mean −7.56
Std Dev 55.92
pull1D
Entries 82
Mean 0.1384
Std Dev 1.247

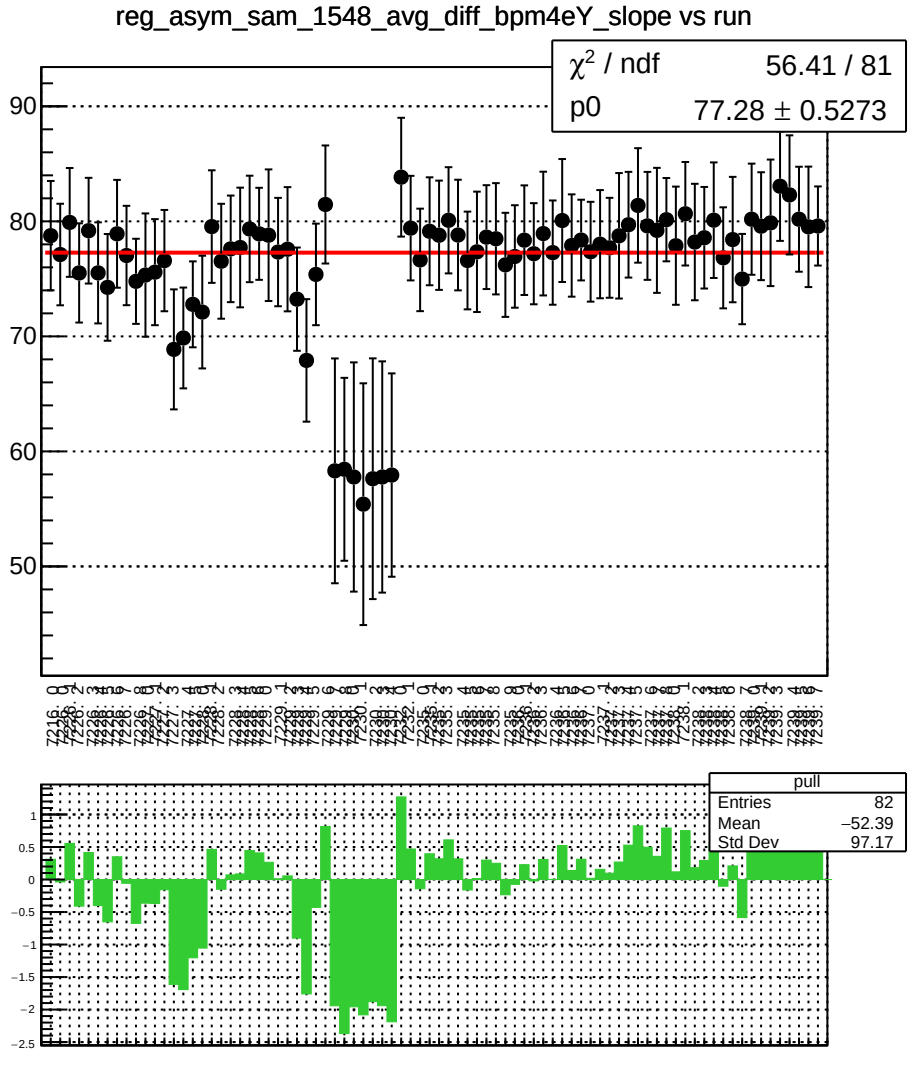

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.73 / 81
p0 0.4239 ± 0.01661
pull
Entries 82
Mean 273.9
Std Dev 231.8
pull1D
Entries 82
Mean 0.0206
Std Dev 0.4374

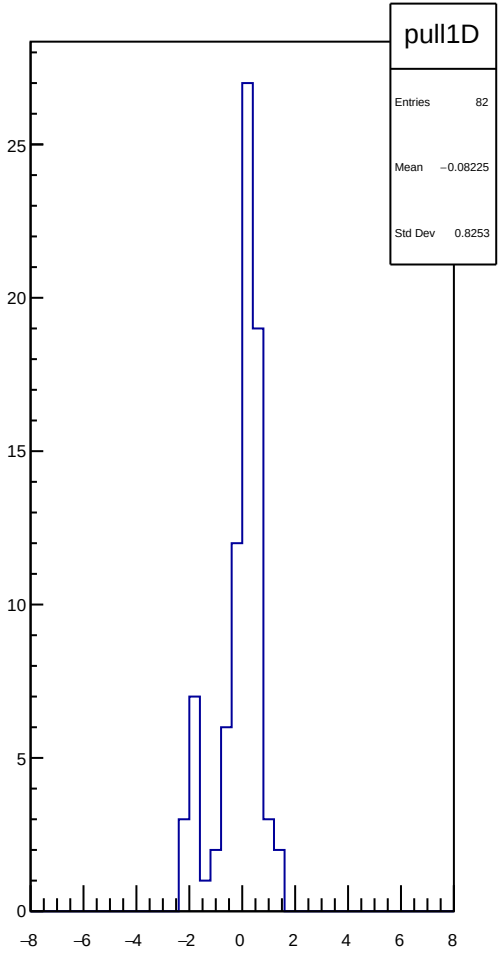

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 115 / 81
p0 −10.33 ± 0.626
pull
Entries 82
Mean 5996
Std Dev 5957

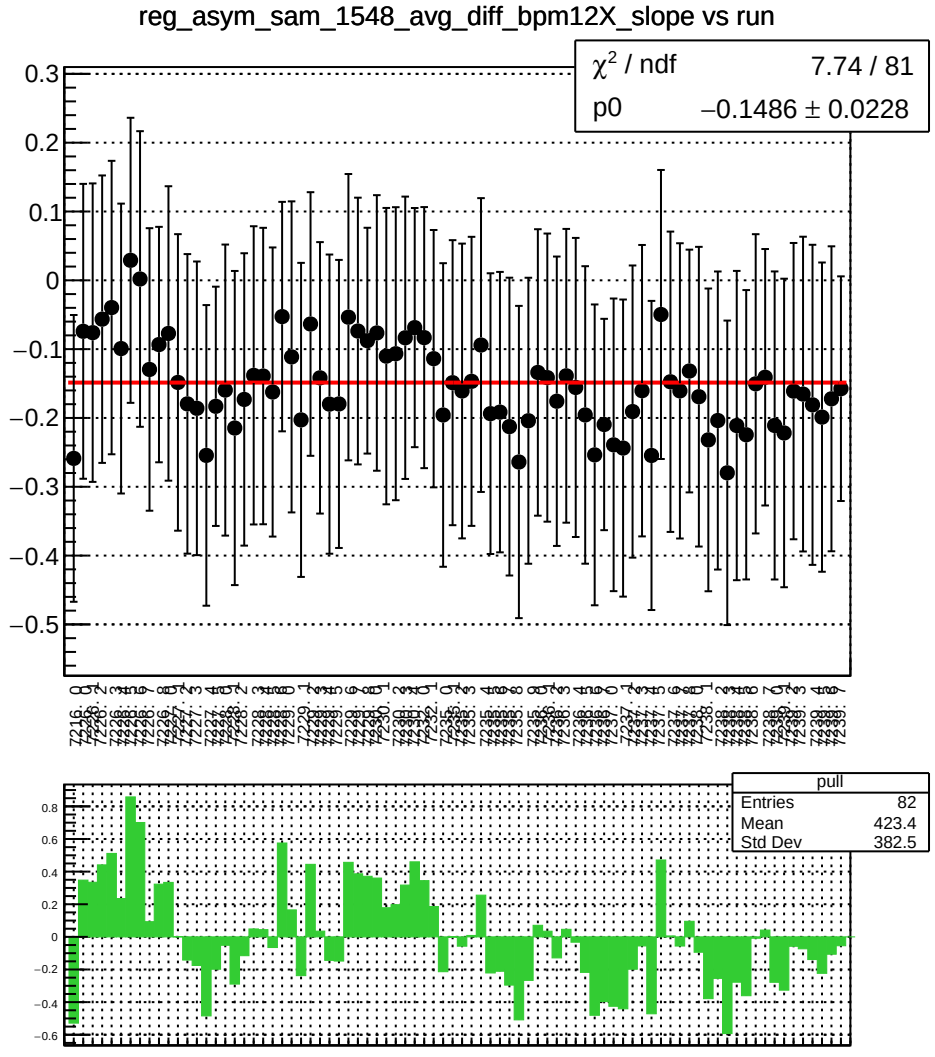

pull1D
Entries 82
Mean 0.00264
Std Dev 1.184

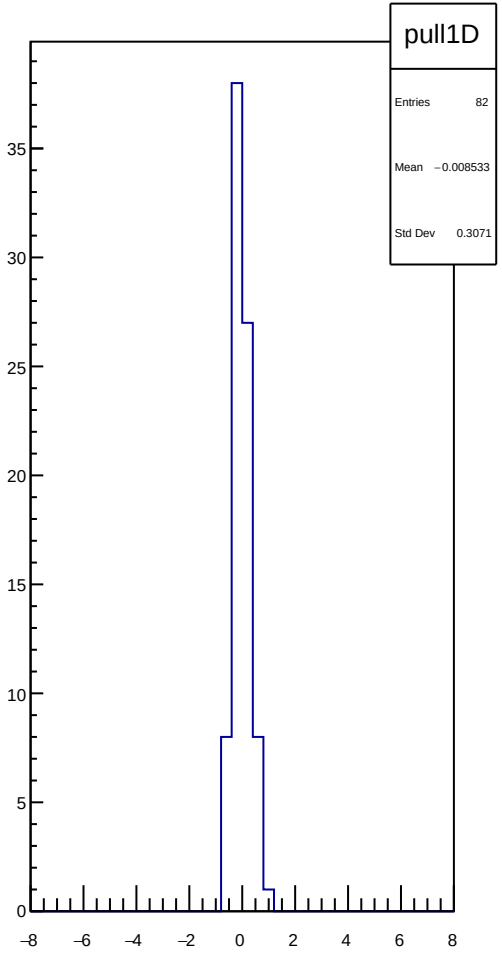

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 65.65 / 81
p0 −3.826 ± 0.4797
pull
Entries 82
Mean −16.33
Std Dev 60.73
pull1D
Entries 82
Mean 0.1166
Std Dev 0.8872

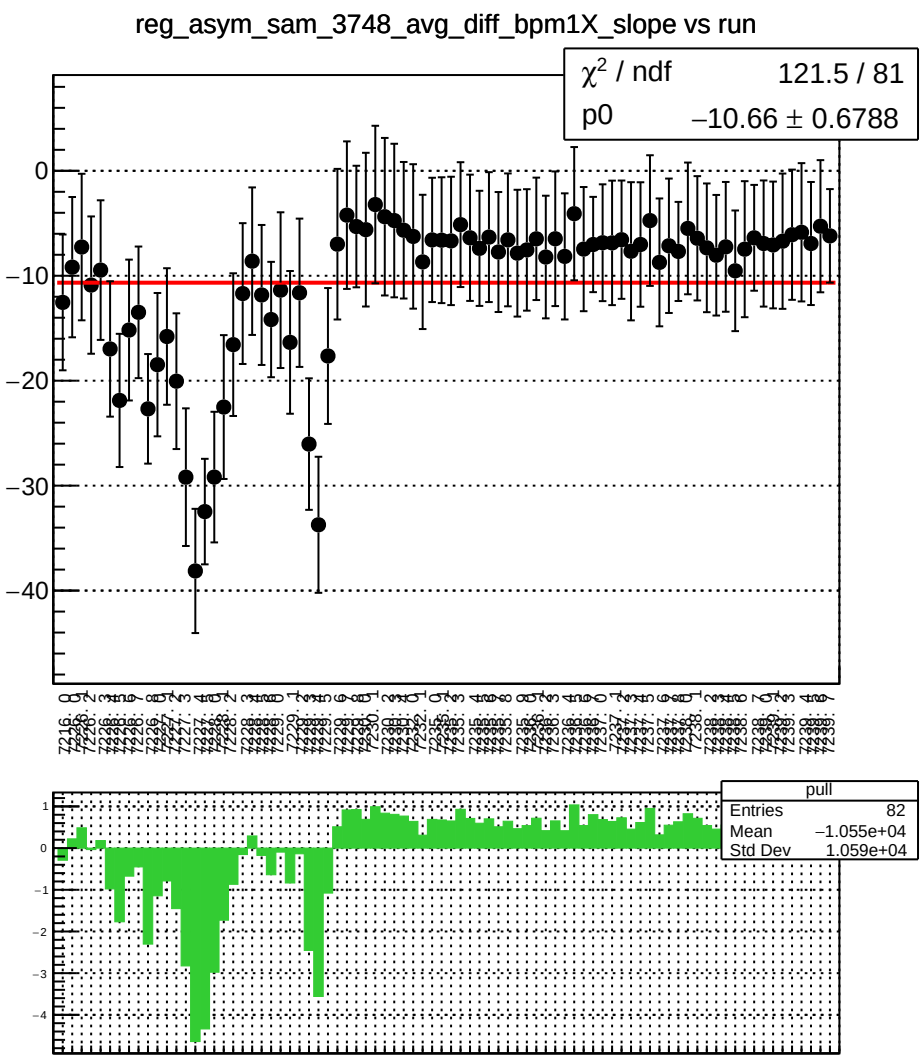

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.38 / 81
p0 −36.88 ± 0.6406
pull
Entries 82
Mean 851.5
Std Dev 811.9
pull1D
Entries 82
Mean −0.01734
Std Dev 1.101

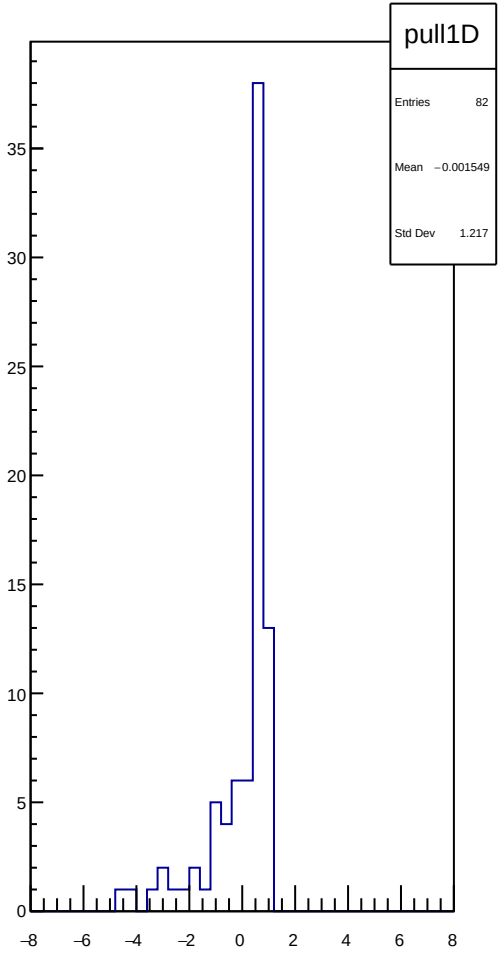

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.41 / 81
p0 77.28 ± 0.5273
pull
Entries 82
Mean −52.39
Std Dev 97.17

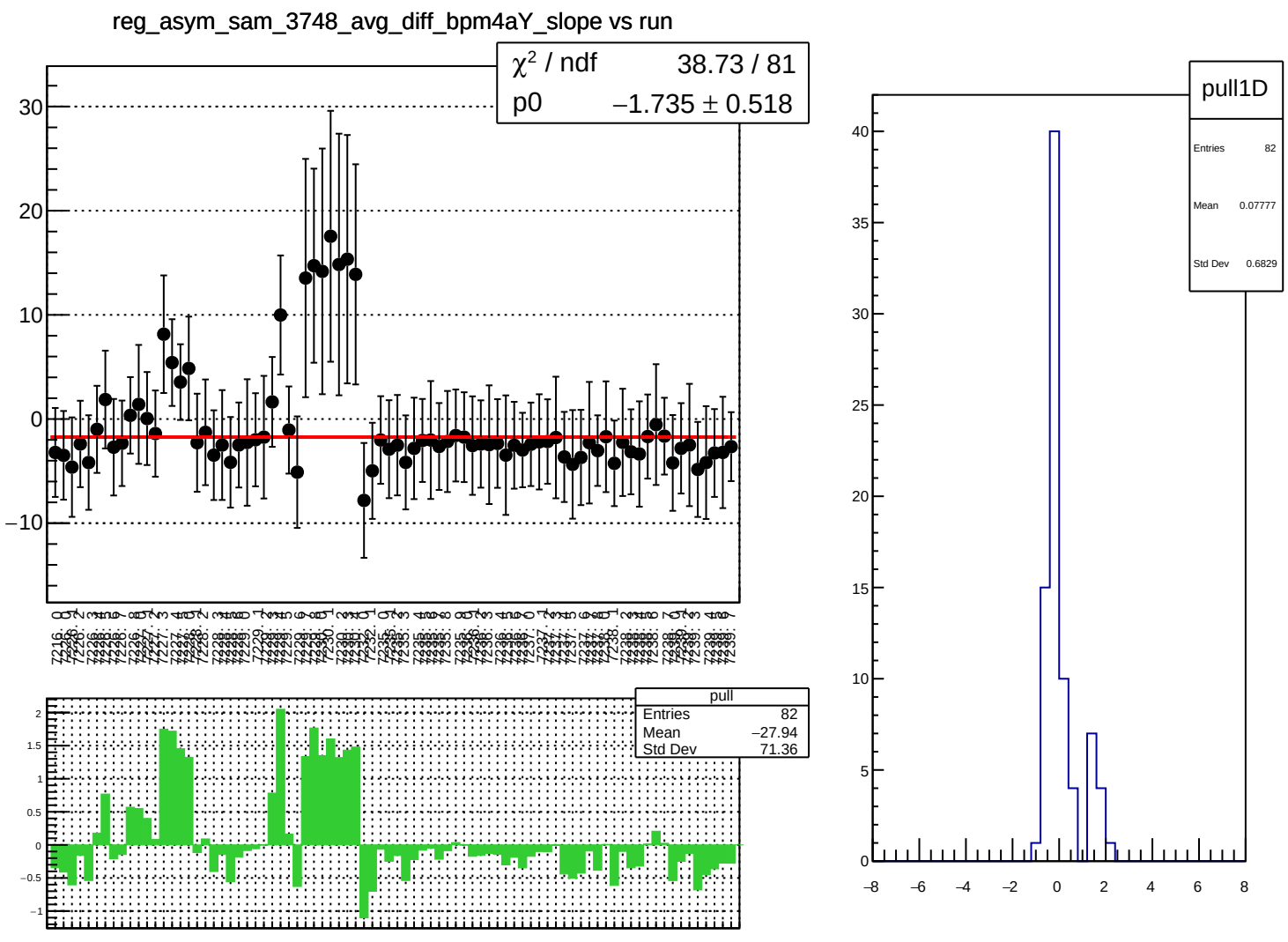

pull1D
Entries 82
Mean −0.08225
Std Dev 0.8253

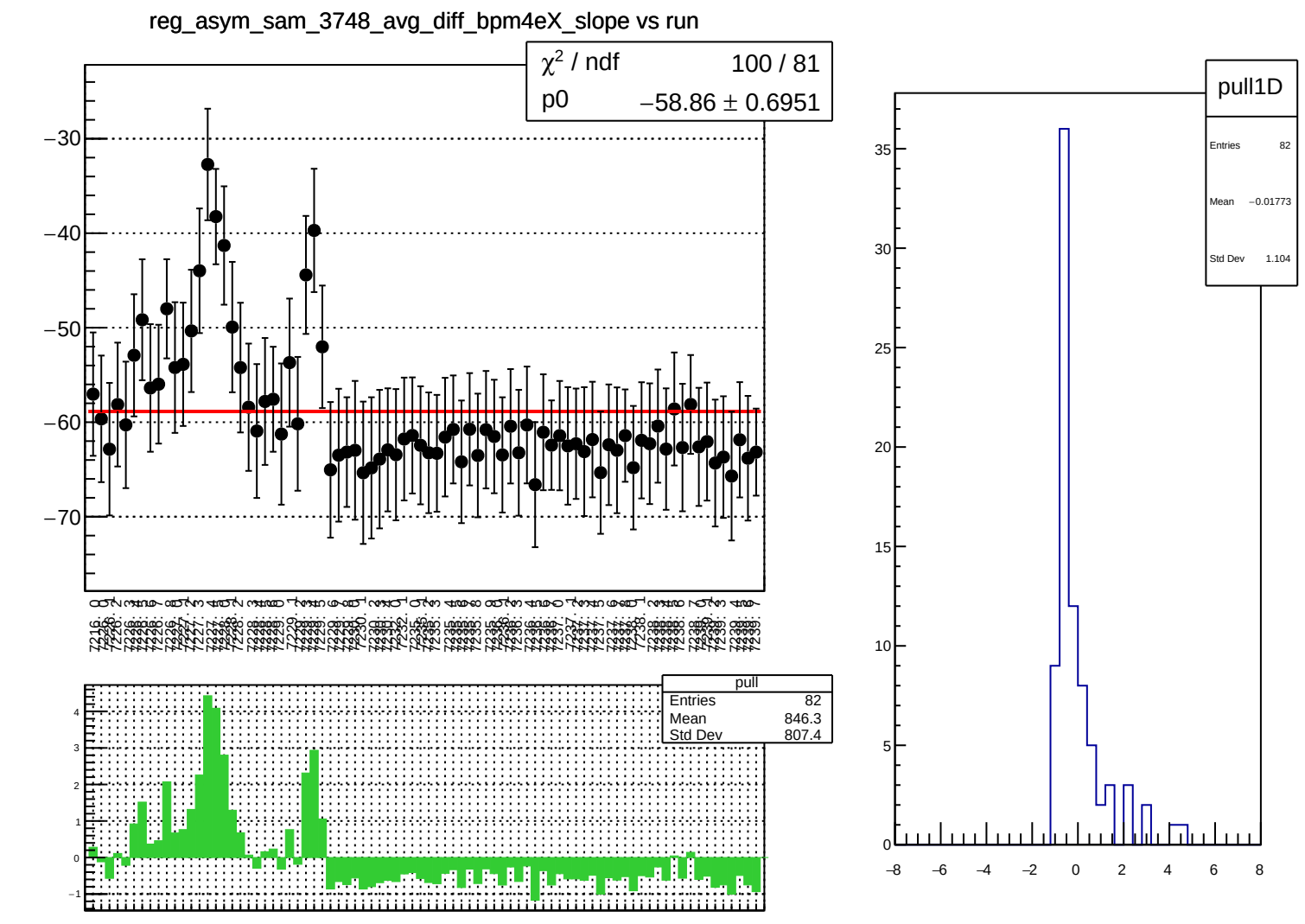

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 7.74 / 81
p0 −0.1486 ± 0.0228
pull
Entries 82
Mean 423.4
Std Dev 382.5

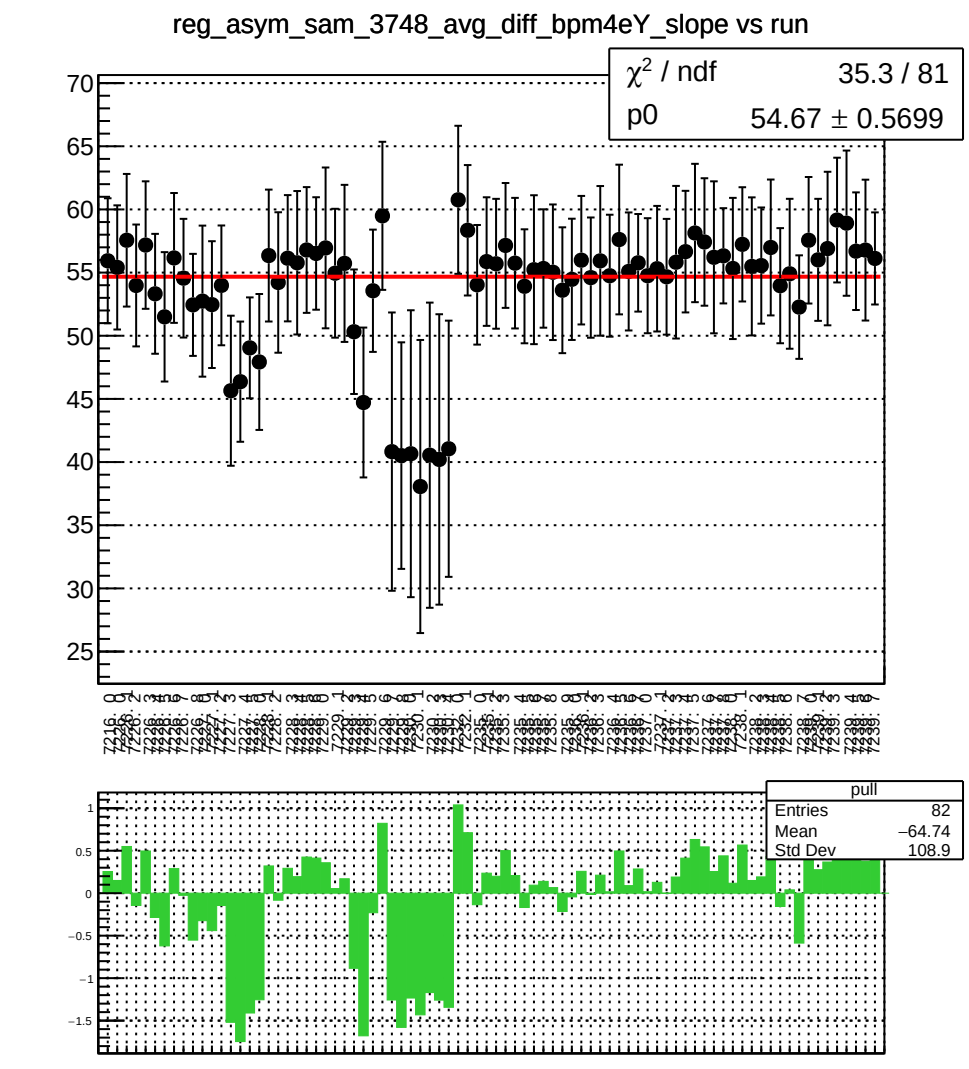

pull1D
Entries 82
Mean −0.008533
Std Dev 0.3071

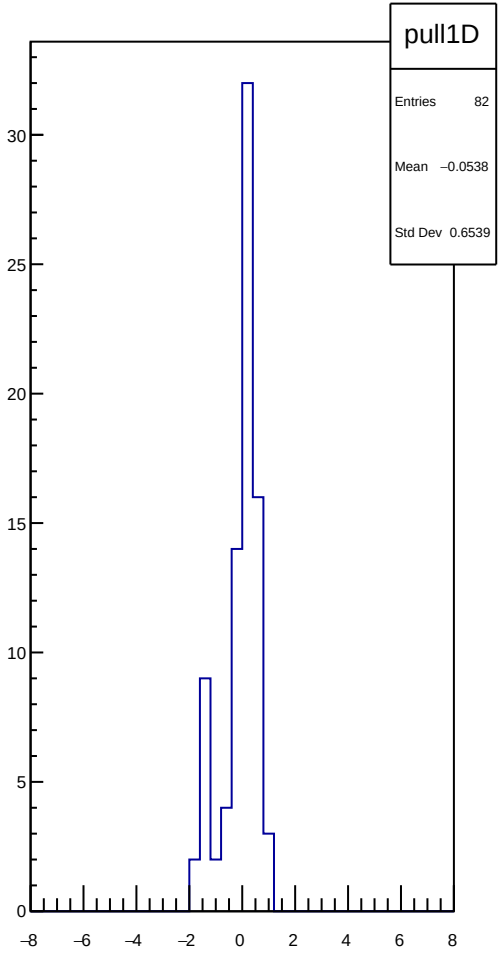

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 121.5 / 81
p0 −10.66 ± 0.6788
pull
Entries 82
Mean −1.055e+04
Std Dev 1.059e+04

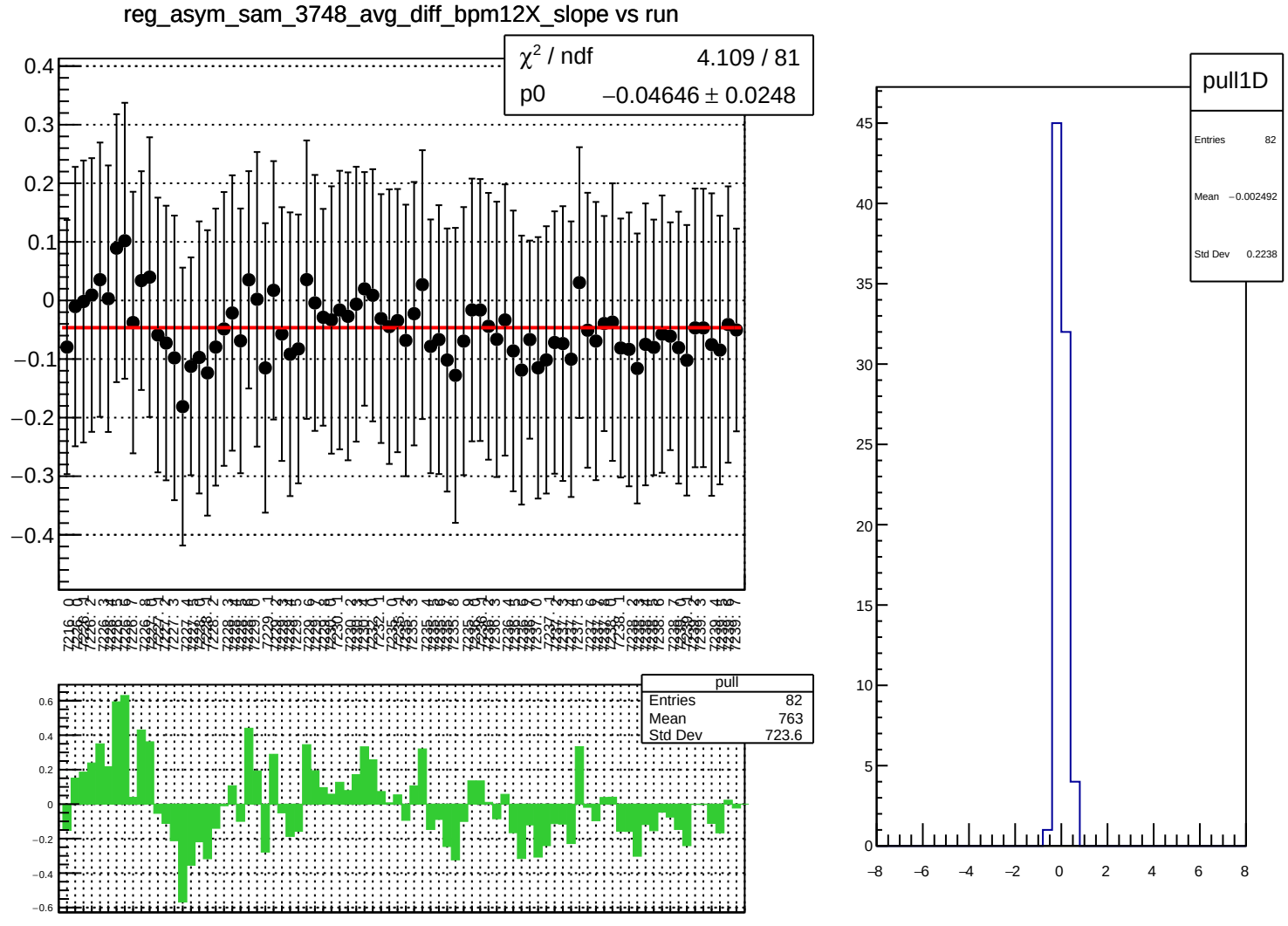

pull1D
Entries 82
Mean −0.001549
Std Dev 1.217

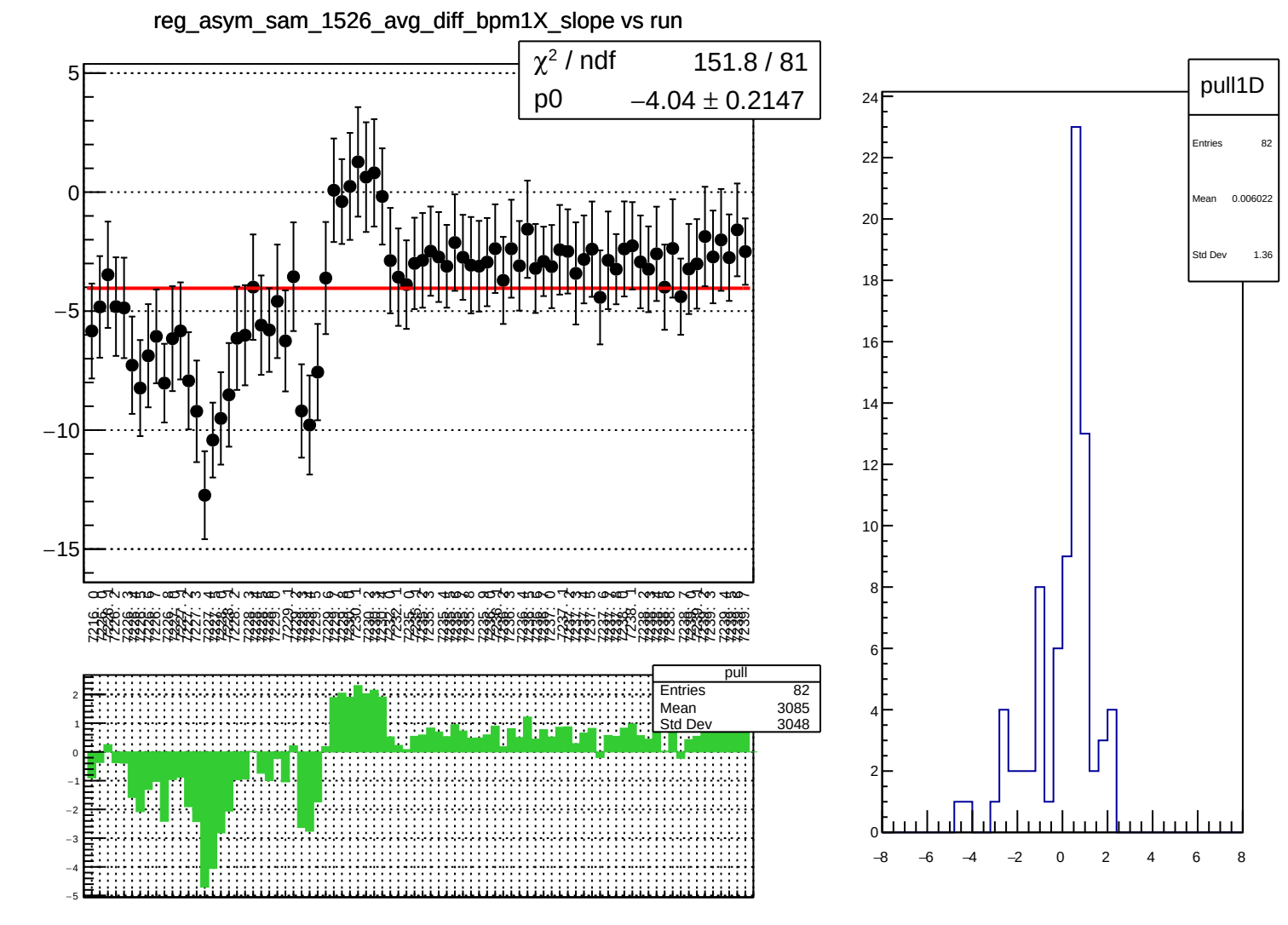

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.73 / 81
p0 −1.735 ± 0.518
pull
Entries 82
Mean −27.94
Std Dev 71.36
pull1D
Entries 82
Mean 0.07777
Std Dev 0.6829

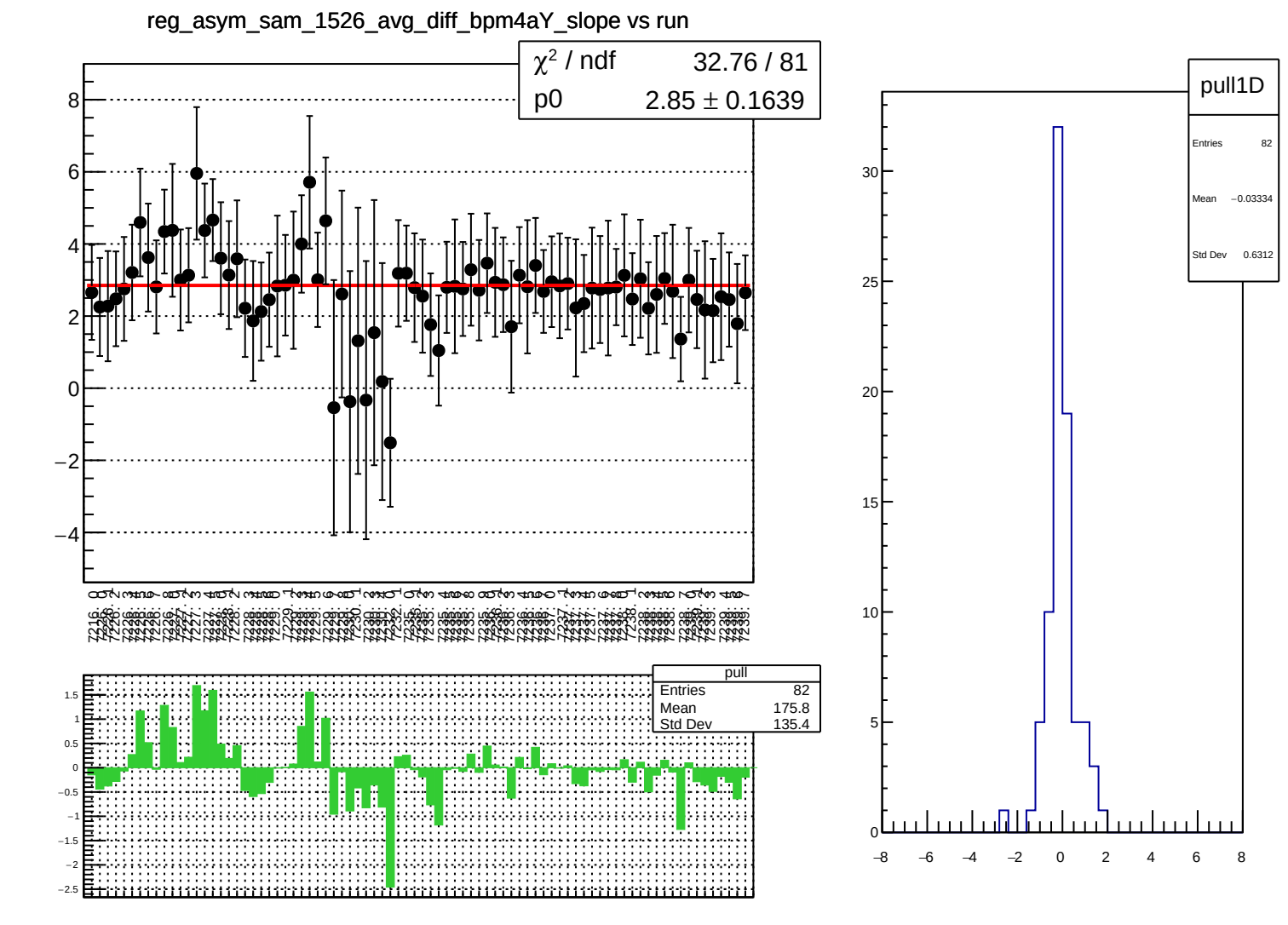

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 100 / 81
p0 −58.86 ± 0.6951
pull
Entries 82
Mean 846.3
Std Dev 807.4
pull1D
Entries 82
Mean −0.01773
Std Dev 1.104

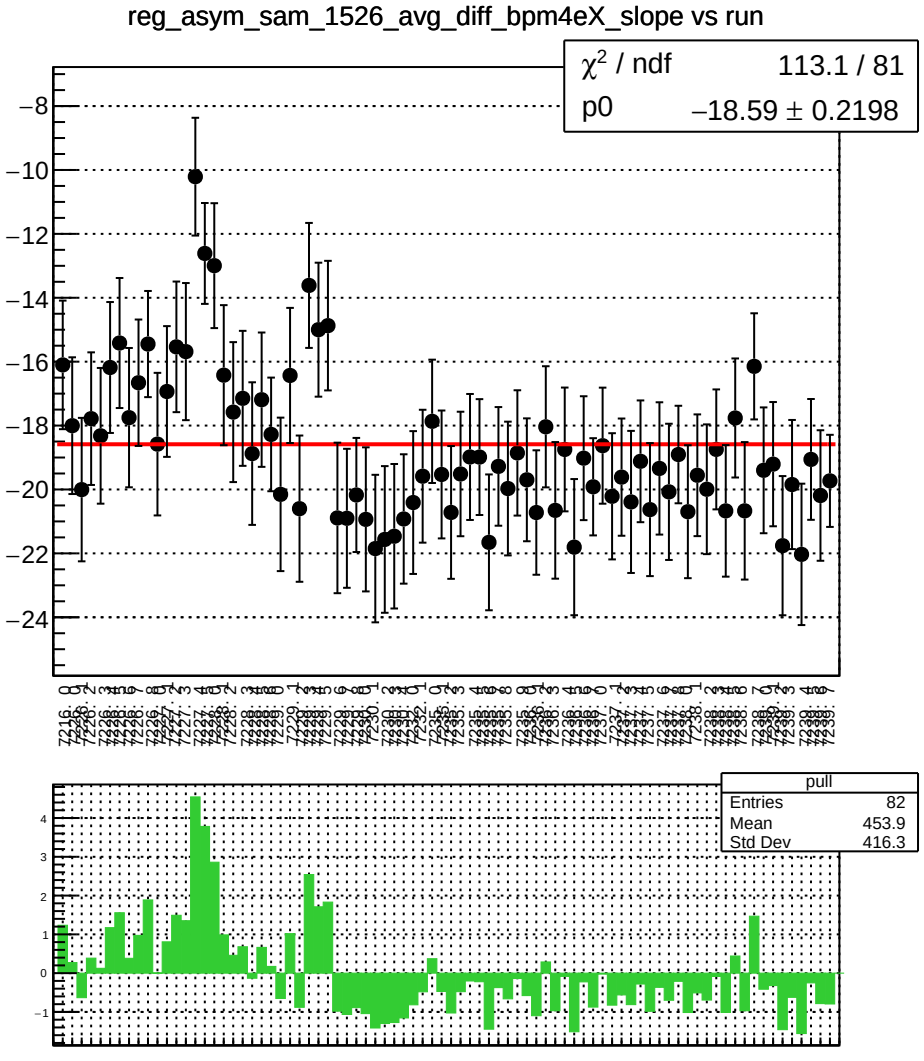

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.3 / 81
p0 54.67 ± 0.5699
pull
Entries 82
Mean −64.74
Std Dev 108.9

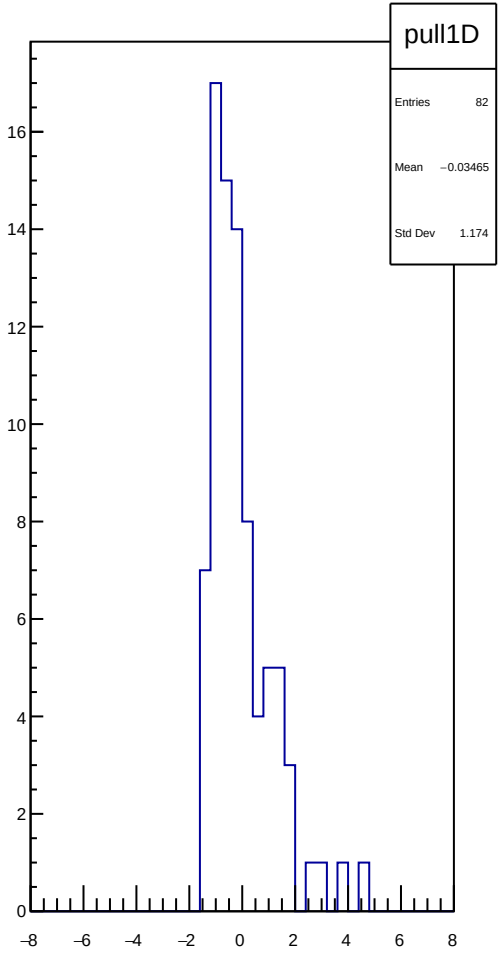

pull1D
Entries 82
Mean −0.0538
Std Dev 0.6539

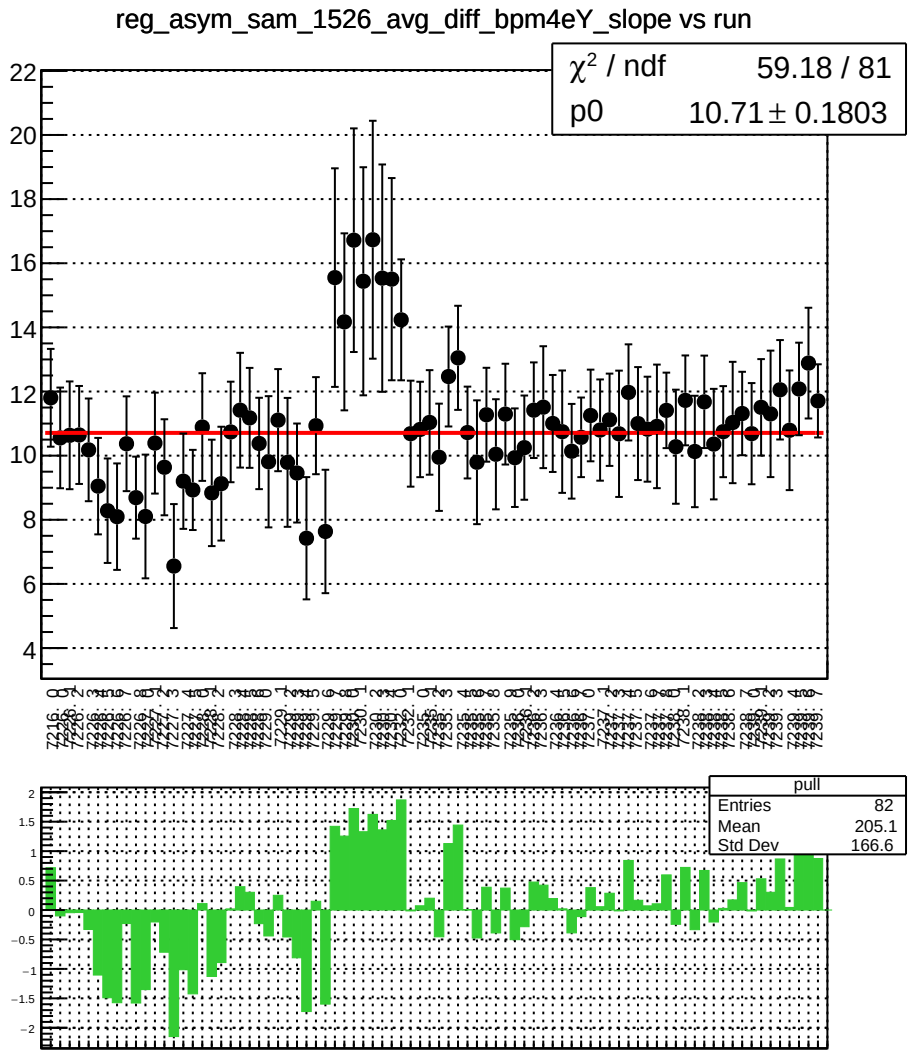

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 4.109 / 81
p0 −0.04646 ± 0.0248
pull
Entries 82
Mean 763
Std Dev 723.6
pull1D
Entries 82
Mean −0.002492
Std Dev 0.2238

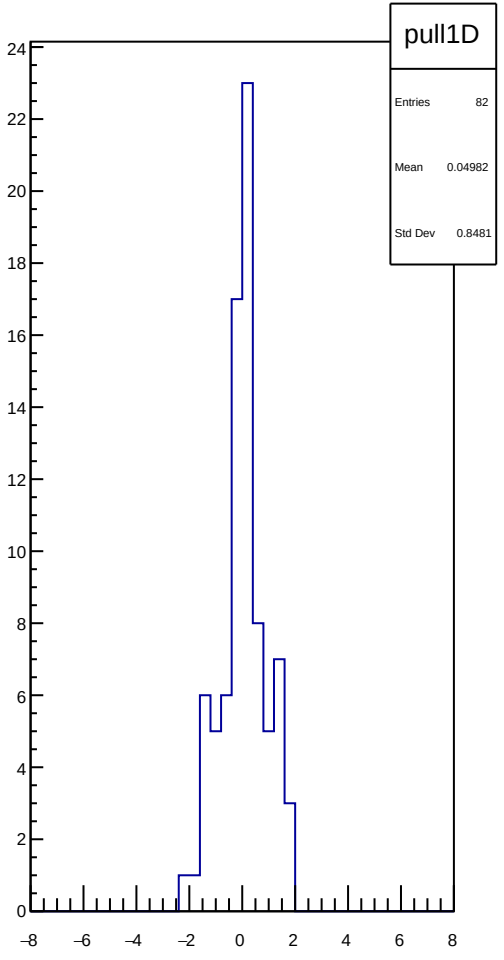

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 151.8 / 81
p0 −4.04 ± 0.2147
pull
Entries 82
Mean 3085
Std Dev 3048
pull1D
Entries 82
Mean 0.006022
Std Dev 1.36

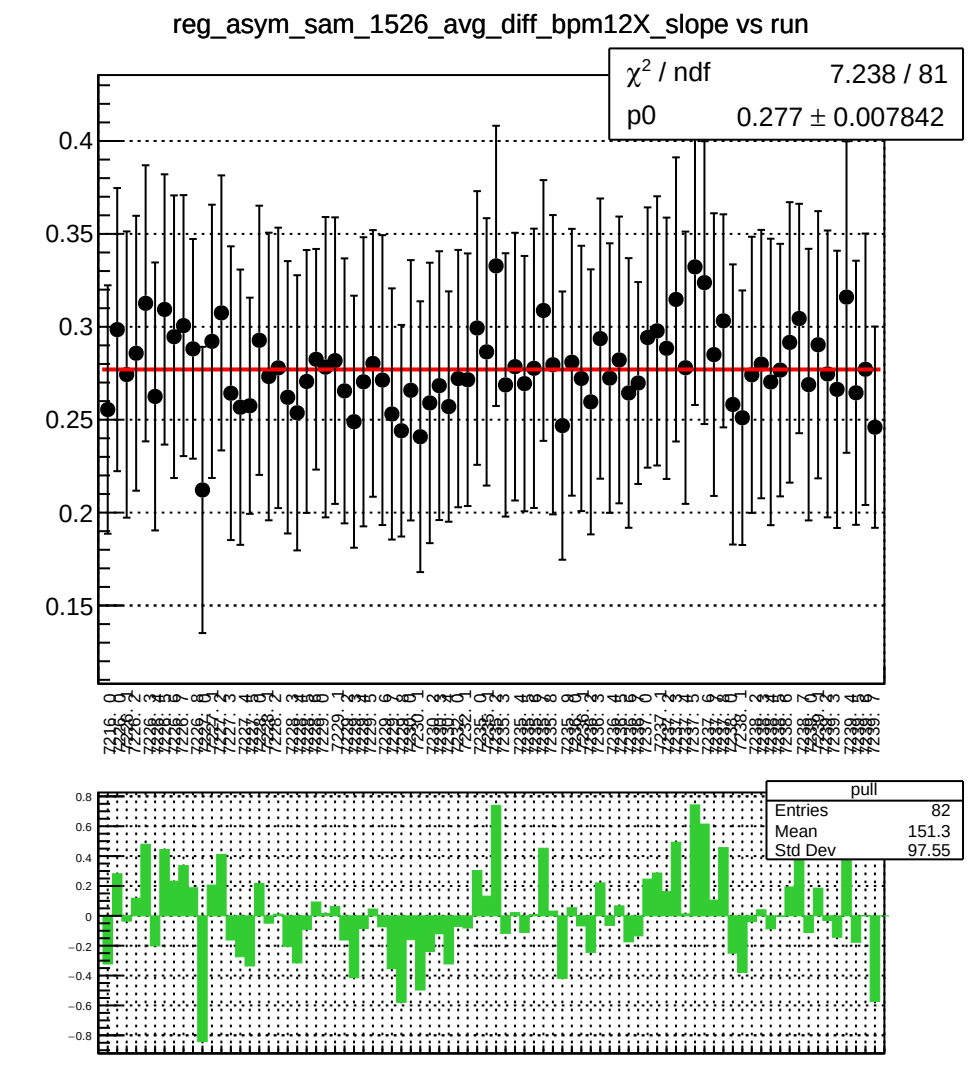

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.76 / 81
p0 2.85 ± 0.1639
pull
Entries 82
Mean 175.8
Std Dev 135.4
pull1D
Entries 82
Mean −0.03334
Std Dev 0.6312

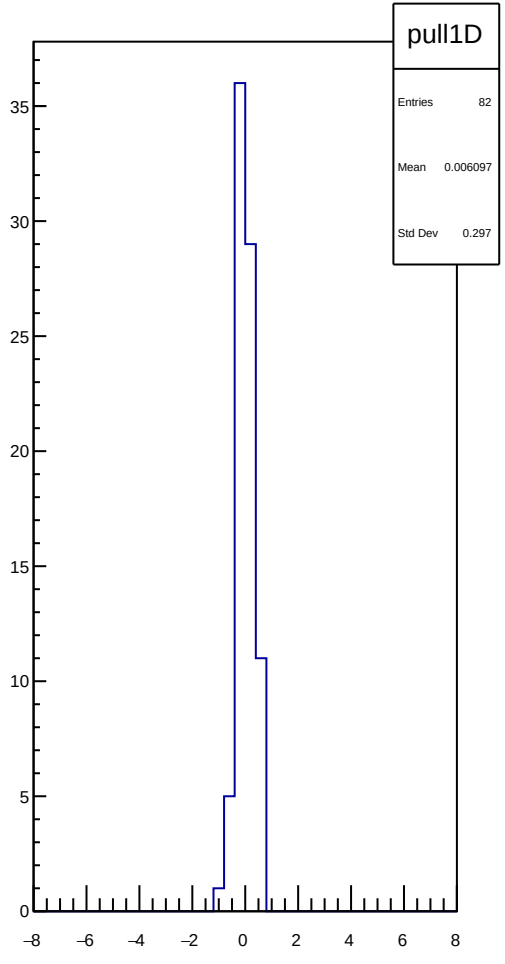

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 113.1 / 81
p0 −18.59 ± 0.2198
pull
Entries 82
Mean 453.9
Std Dev 416.3

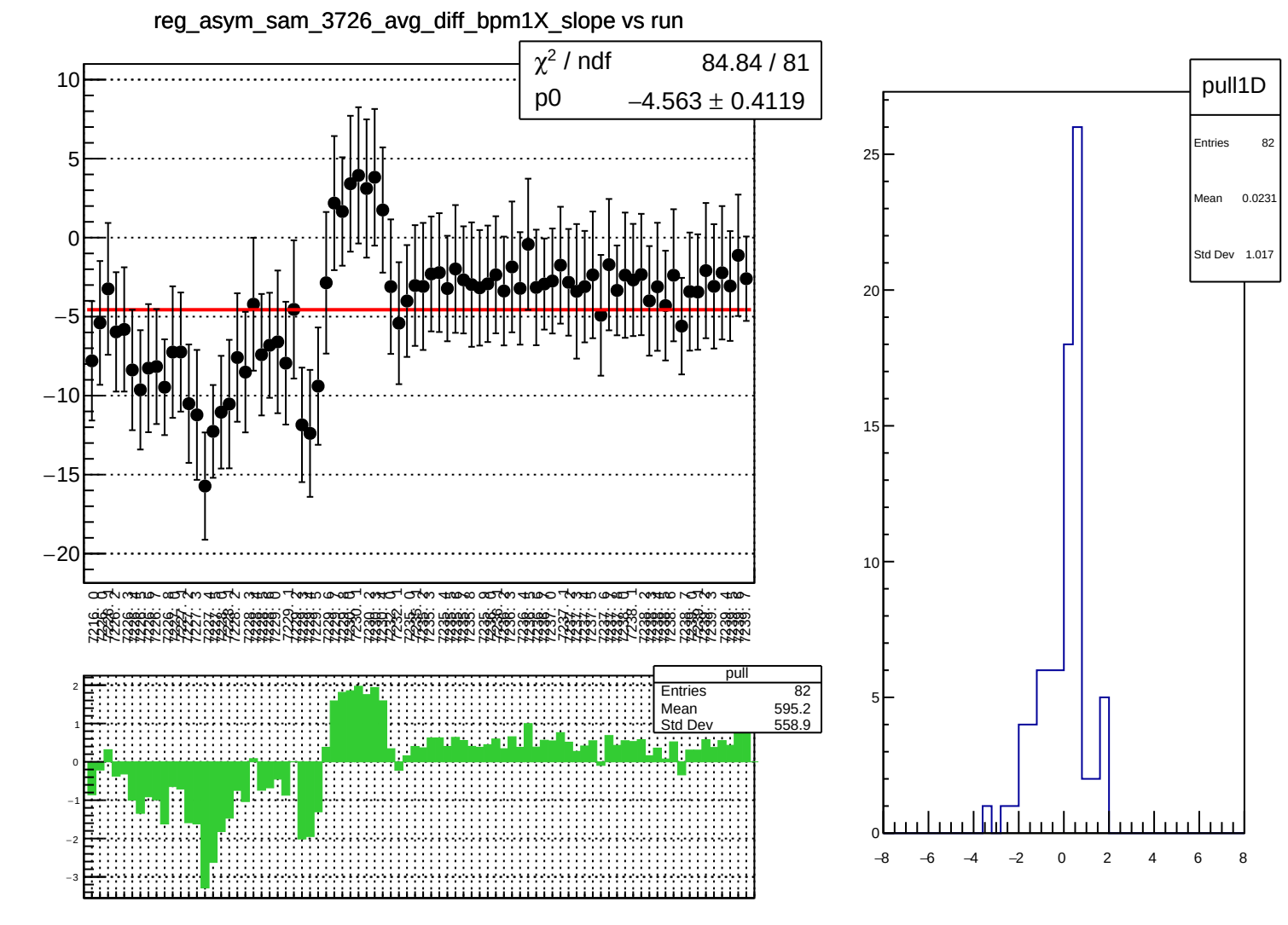

pull1D
Entries 82
Mean −0.03465
Std Dev 1.174

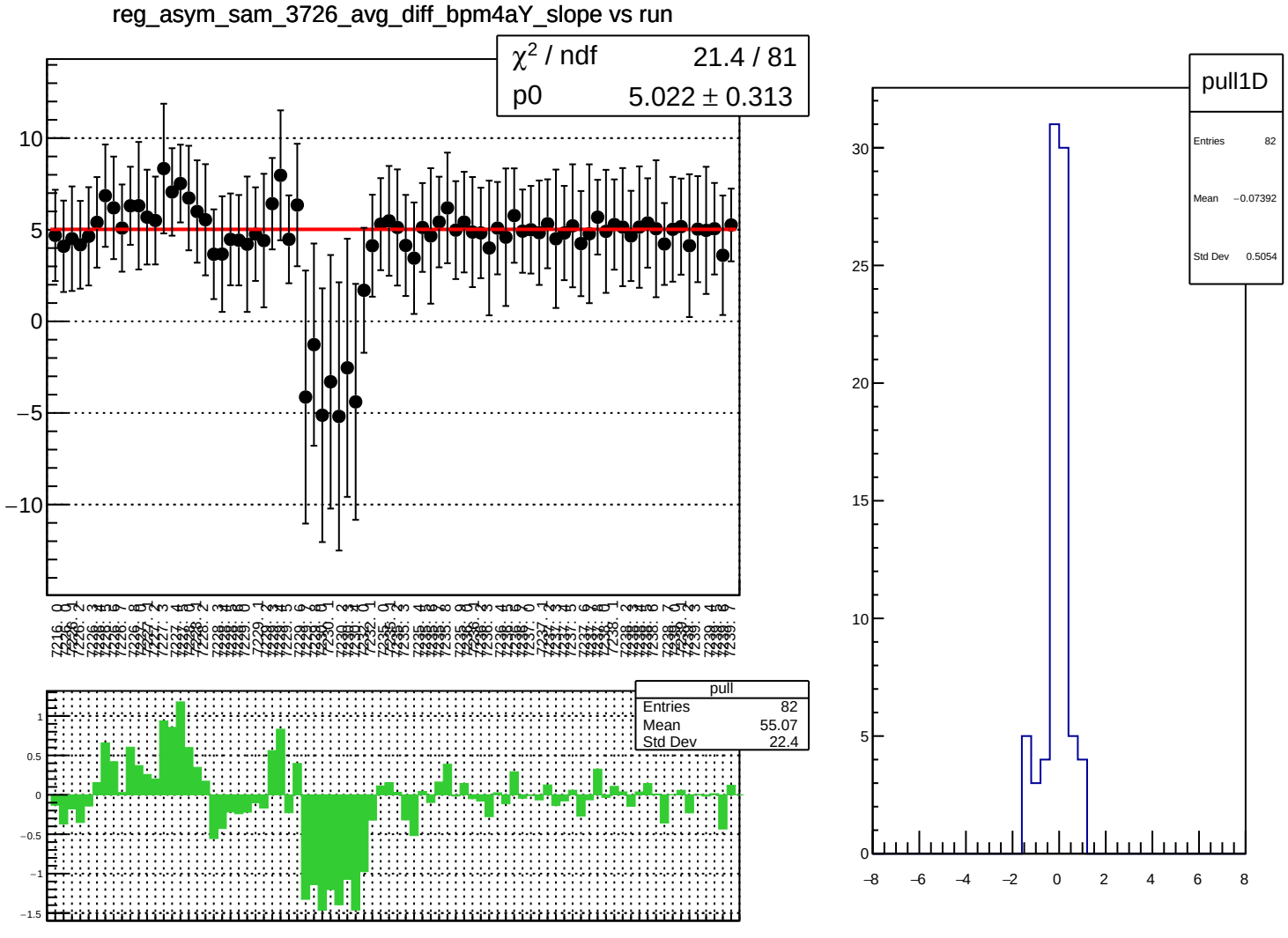

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.18 / 81
p0 10.71 ± 0.1803
pull
Entries 82
Mean 205.1
Std Dev 166.6

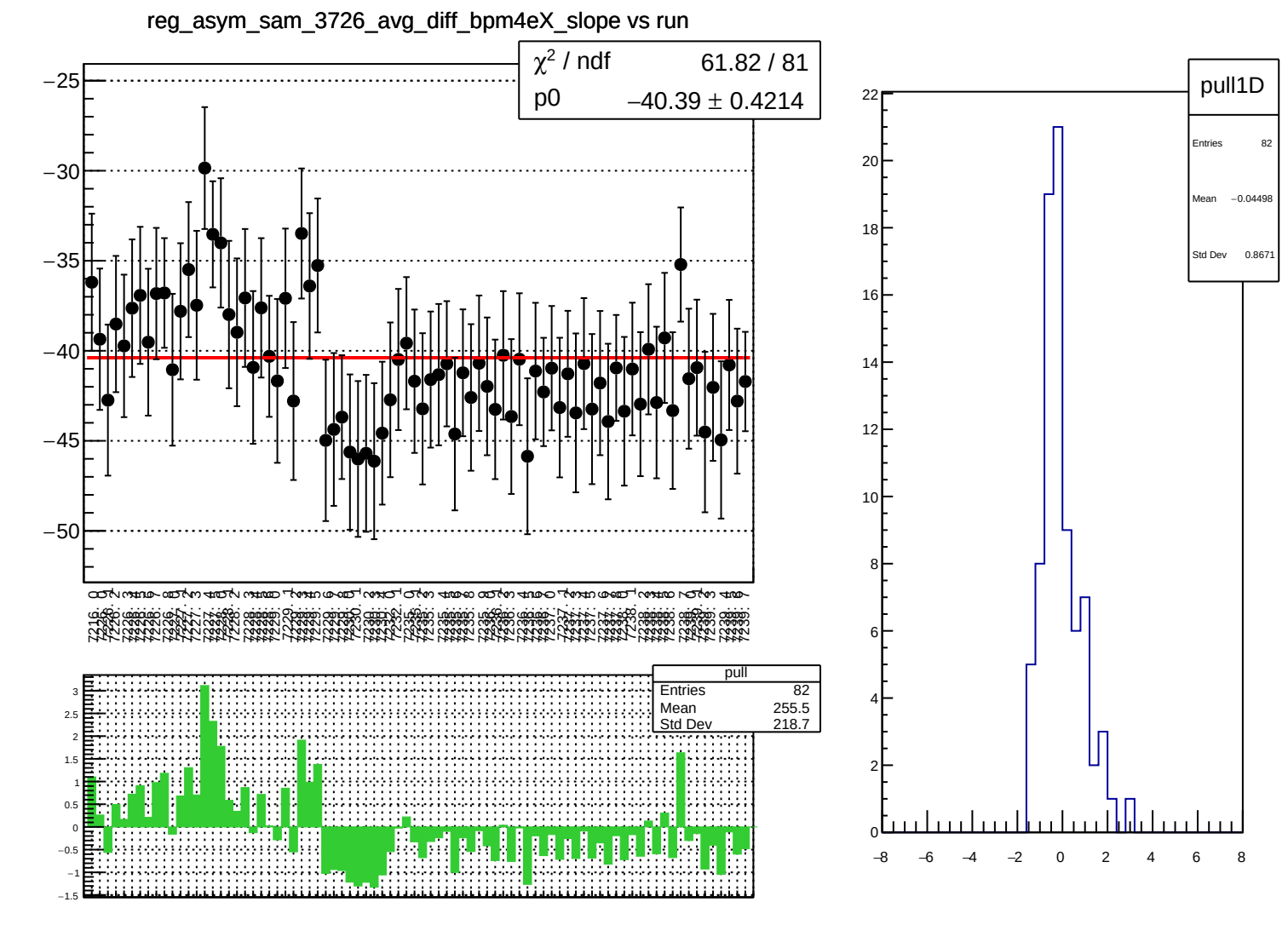

pull1D
Entries 82
Mean 0.04982
Std Dev 0.8481

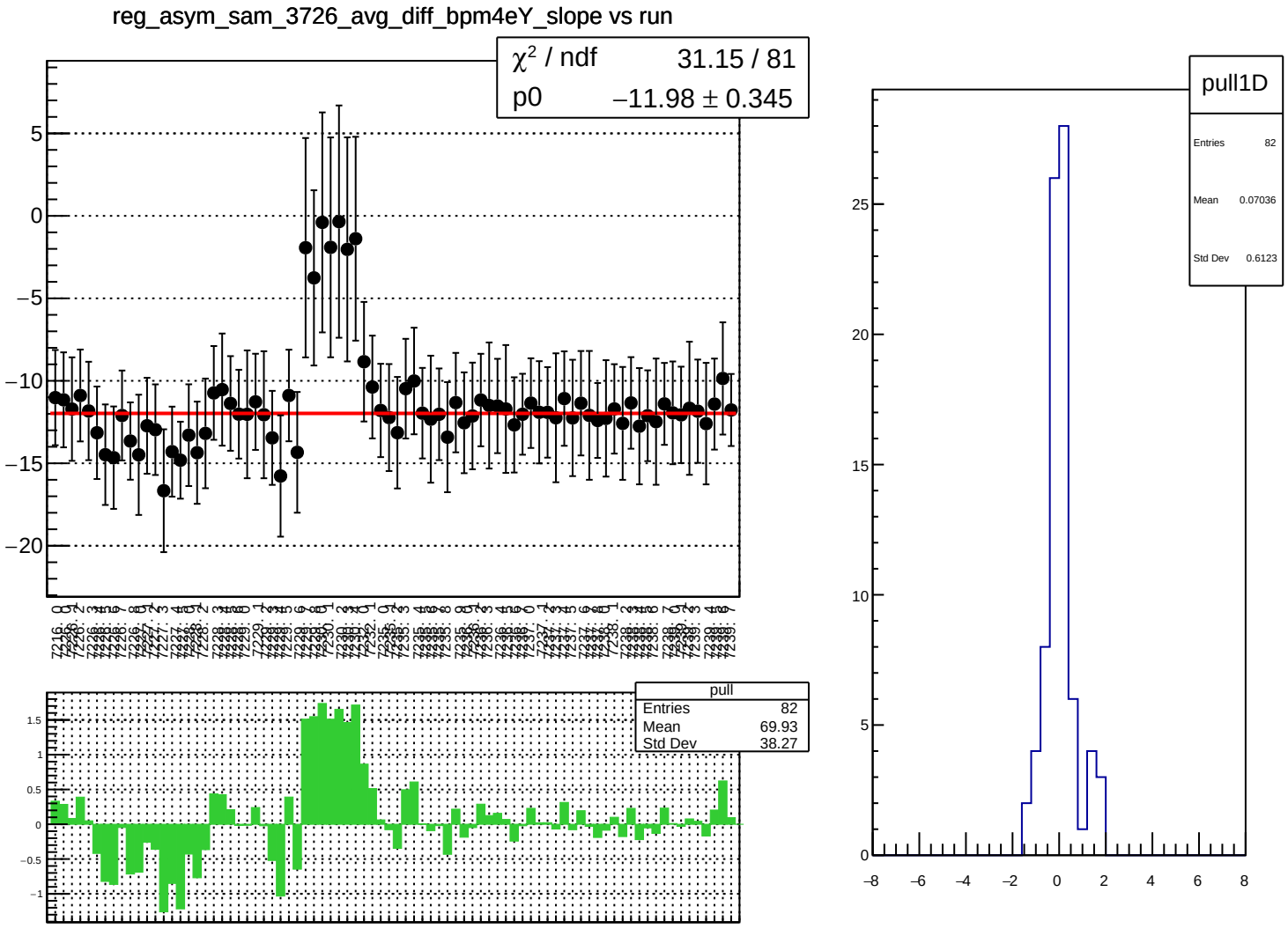

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 7.238 / 81
p0 0.277 ± 0.007842
pull
Entries 82
Mean 151.3
Std Dev 97.55

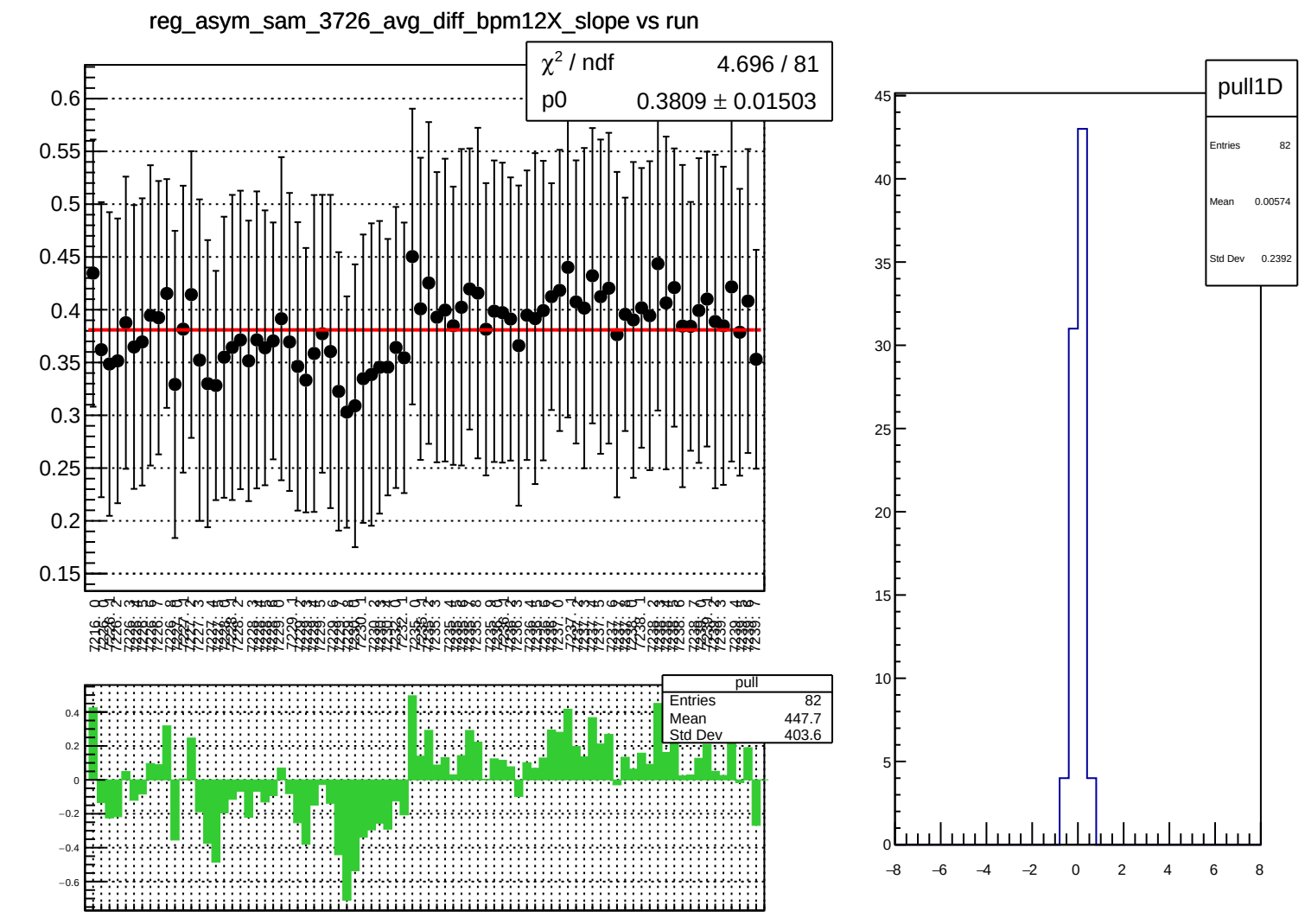

pull1D
Entries 82
Mean 0.006097
Std Dev 0.297

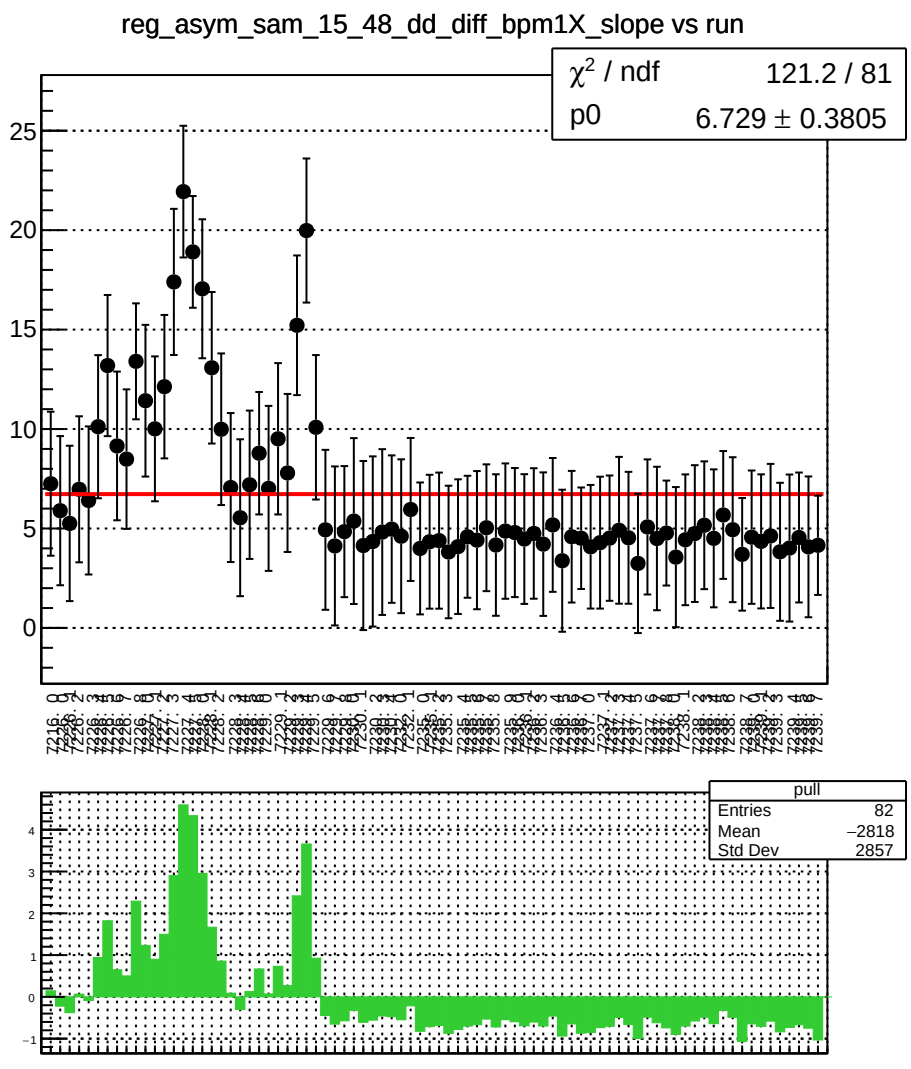

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 84.84 / 81
p0 −4.563 ± 0.4119
pull
Entries 82
Mean 595.2
Std Dev 558.9
pull1D
Entries 82
Mean 0.0231
Std Dev 1.017

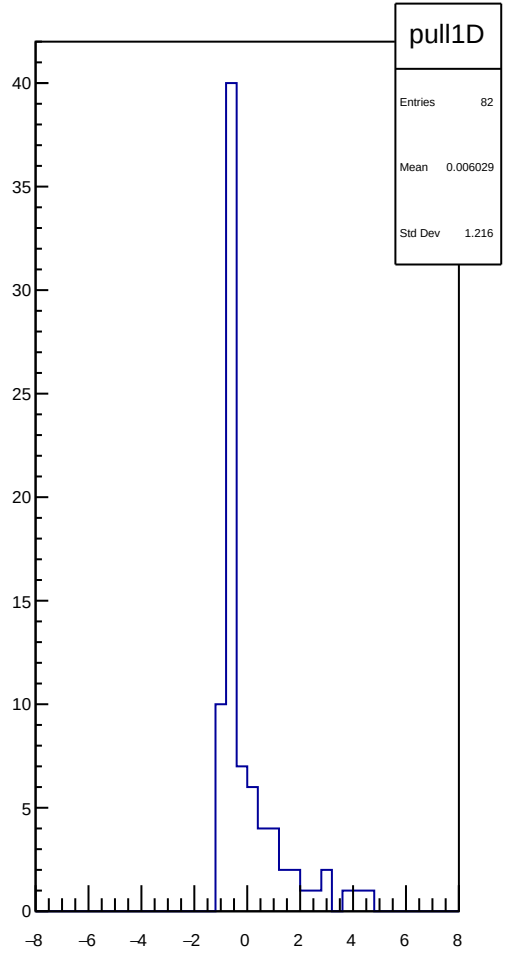

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.4 / 81
p0 5.022 ± 0.313
pull
Entries 82
Mean 55.07
Std Dev 22.4
pull1D
Entries 82
Mean −0.07392
Std Dev 0.5054

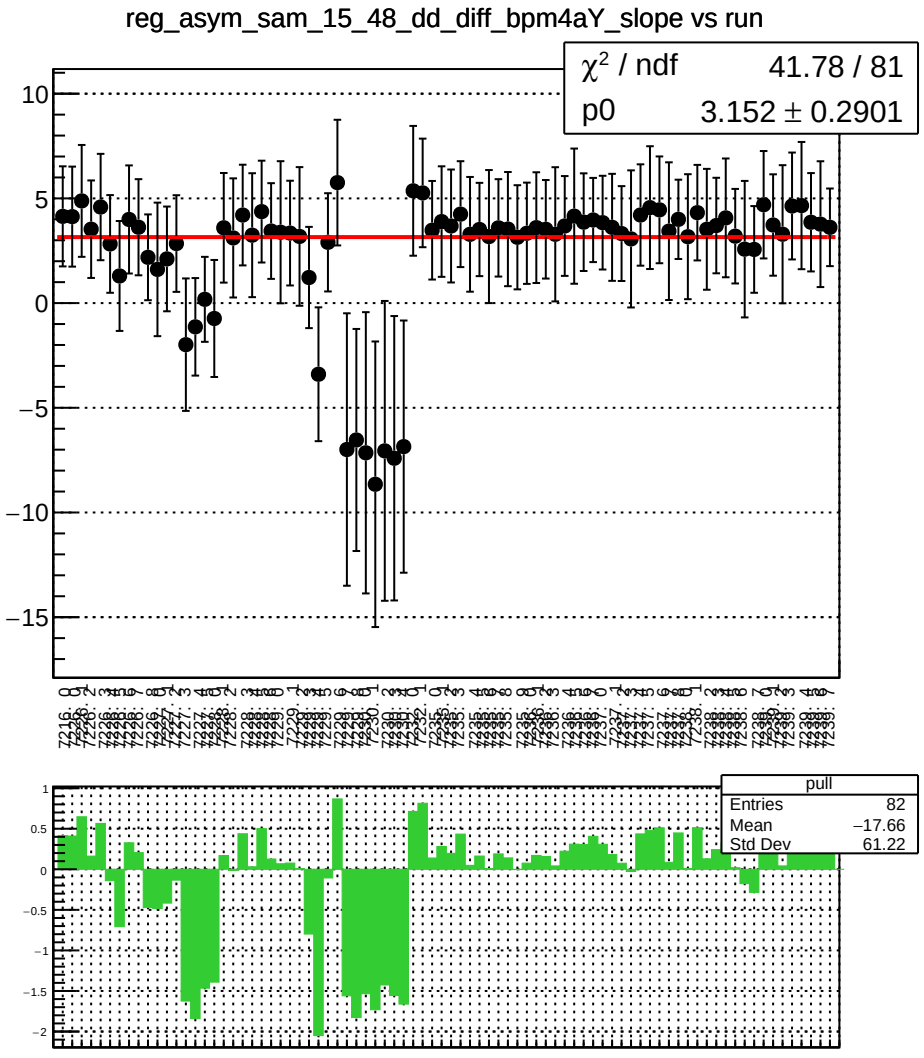

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.82 / 81
p0 −40.39 ± 0.4214
pull
Entries 82
Mean 255.5
Std Dev 218.7
pull1D
Entries 82
Mean −0.04498
Std Dev 0.8671

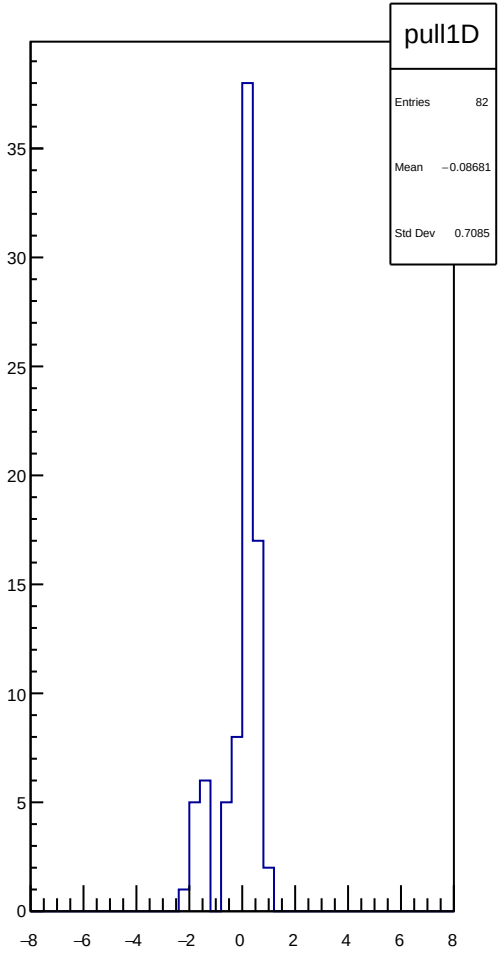

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.15 / 81
p0 −11.98 ± 0.345
pull
Entries 82
Mean 69.93
Std Dev 38.27
pull1D
Entries 82
Mean 0.07036
Std Dev 0.6123

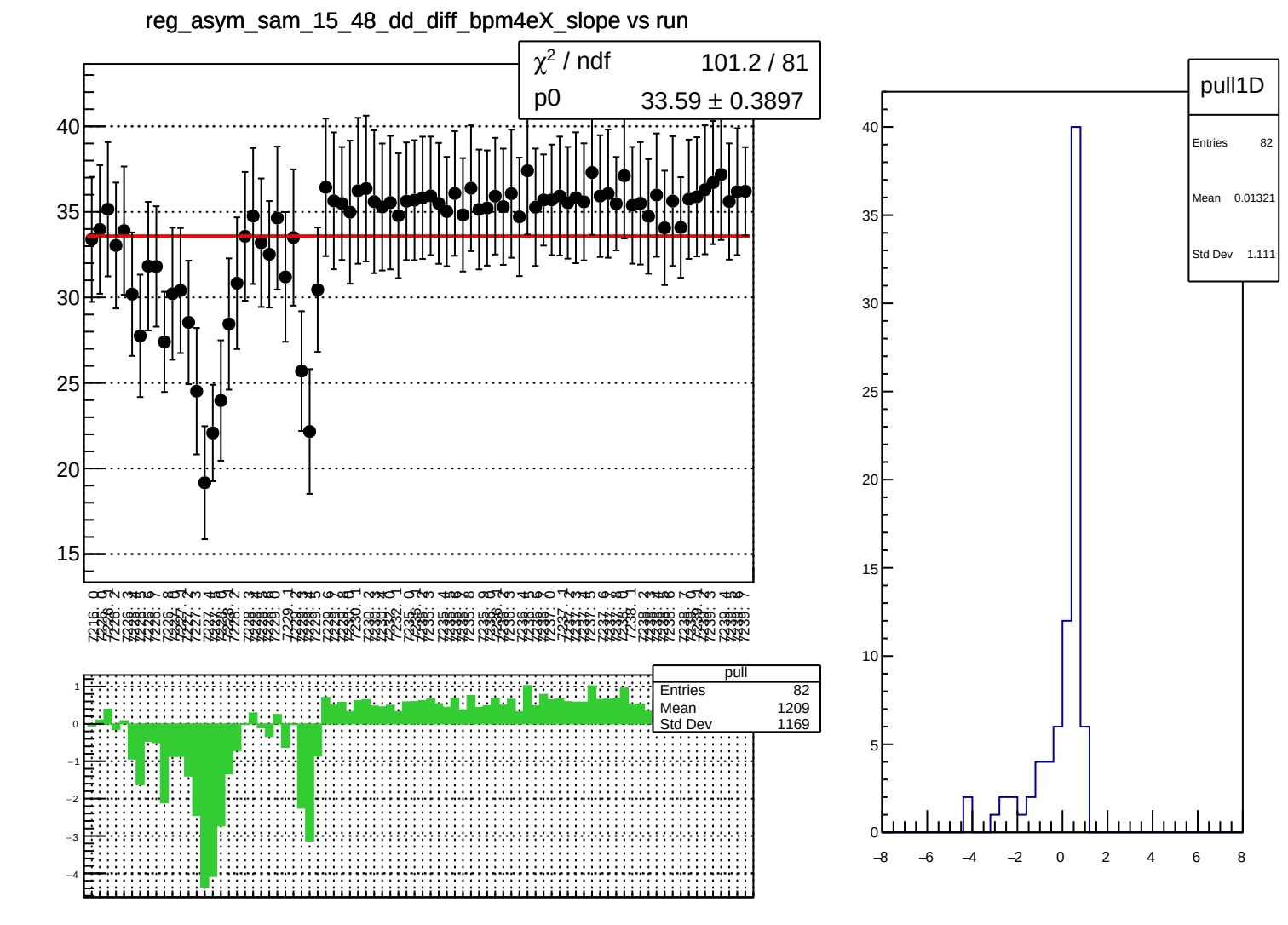

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 4.696 / 81
p0 0.3809 ± 0.01503
pull
Entries 82
Mean 447.7
Std Dev 403.6
pull1D
Entries 82
Mean 0.00574
Std Dev 0.2392

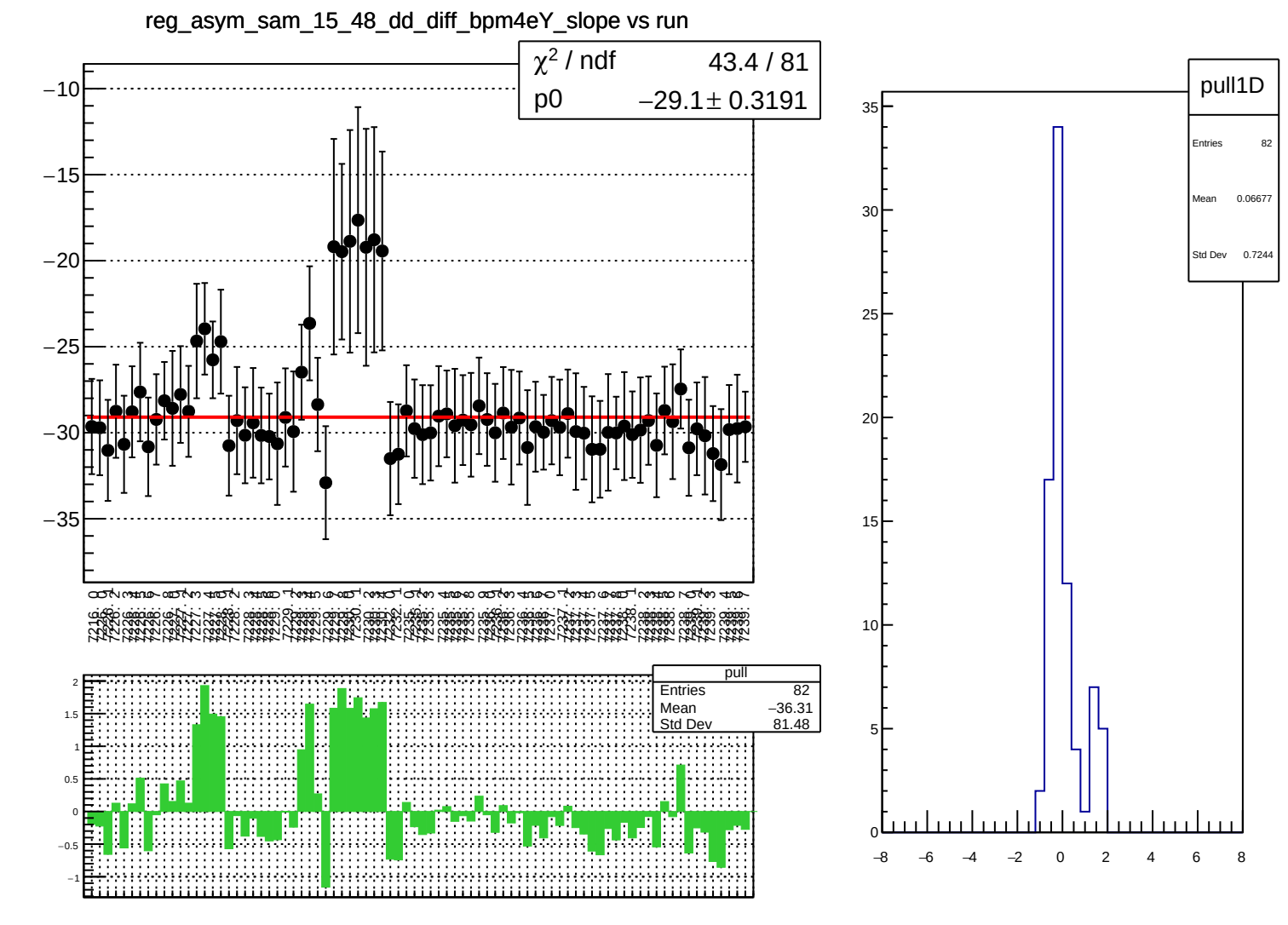

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 121.2 / 81
p0 6.729 ± 0.3805
pull
Entries 82
Mean −2818
Std Dev 2857

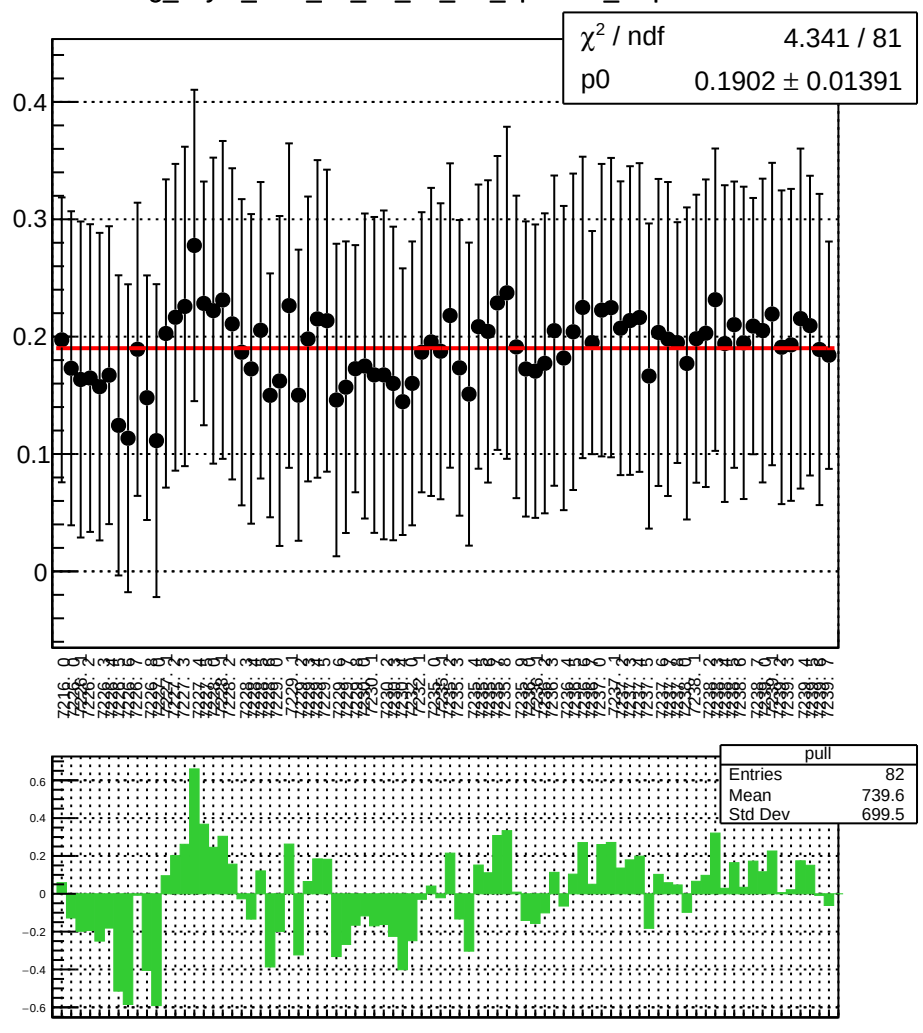

pull1D
Entries 82
Mean 0.006029
Std Dev 1.216

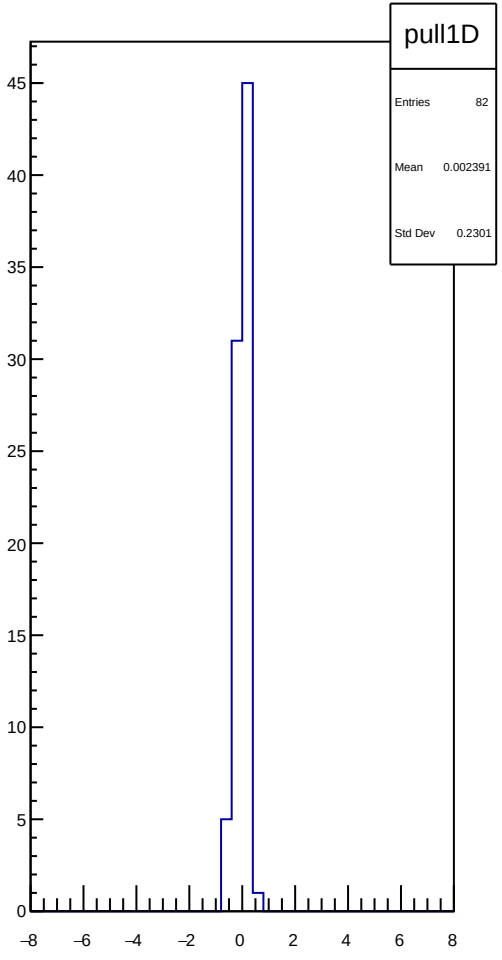

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.78 / 81
p0 3.152 ± 0.2901
pull
Entries 82
Mean −17.66
Std Dev 61.22

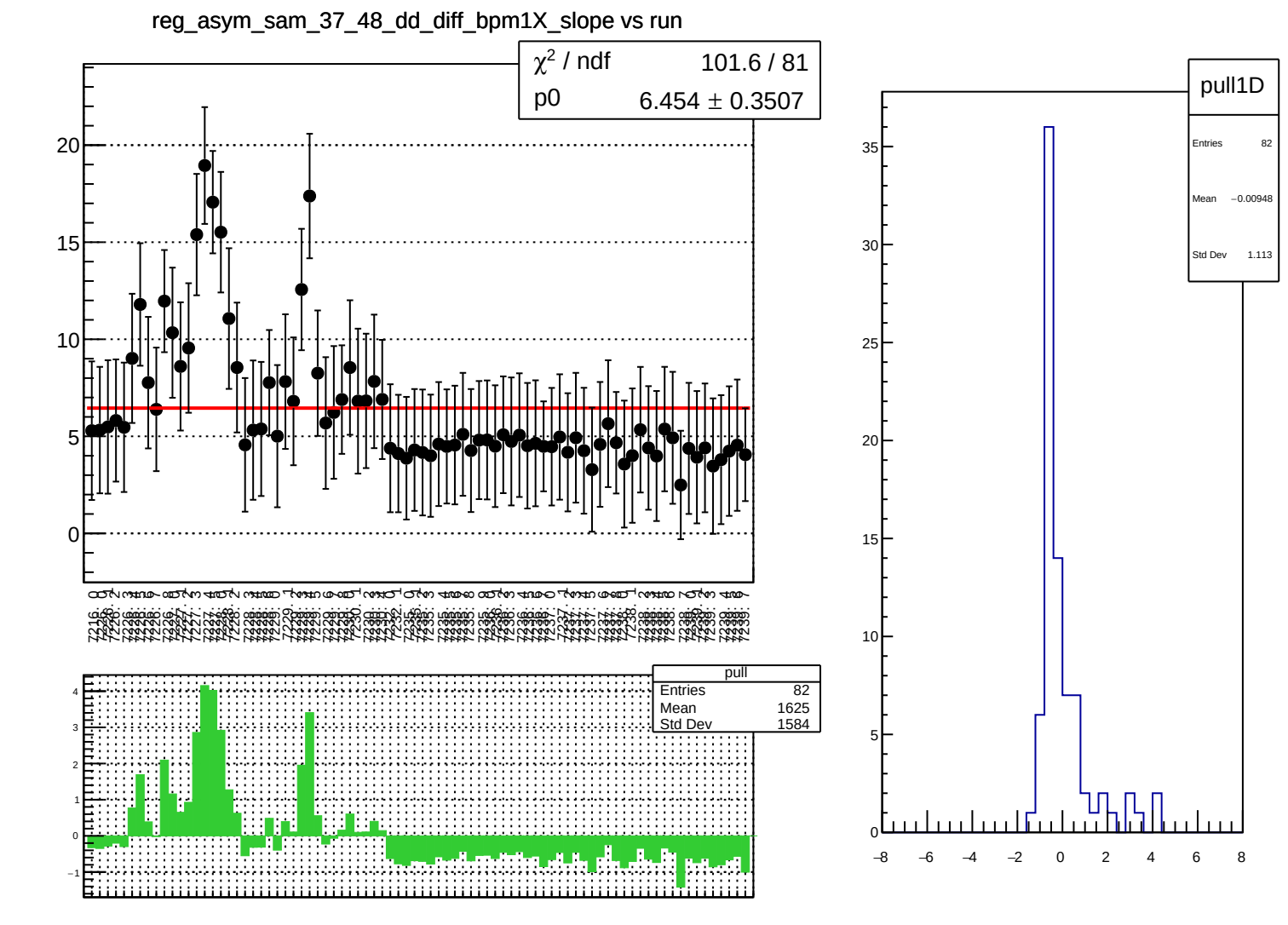

pull1D
Entries 82
Mean −0.08681
Std Dev 0.7085

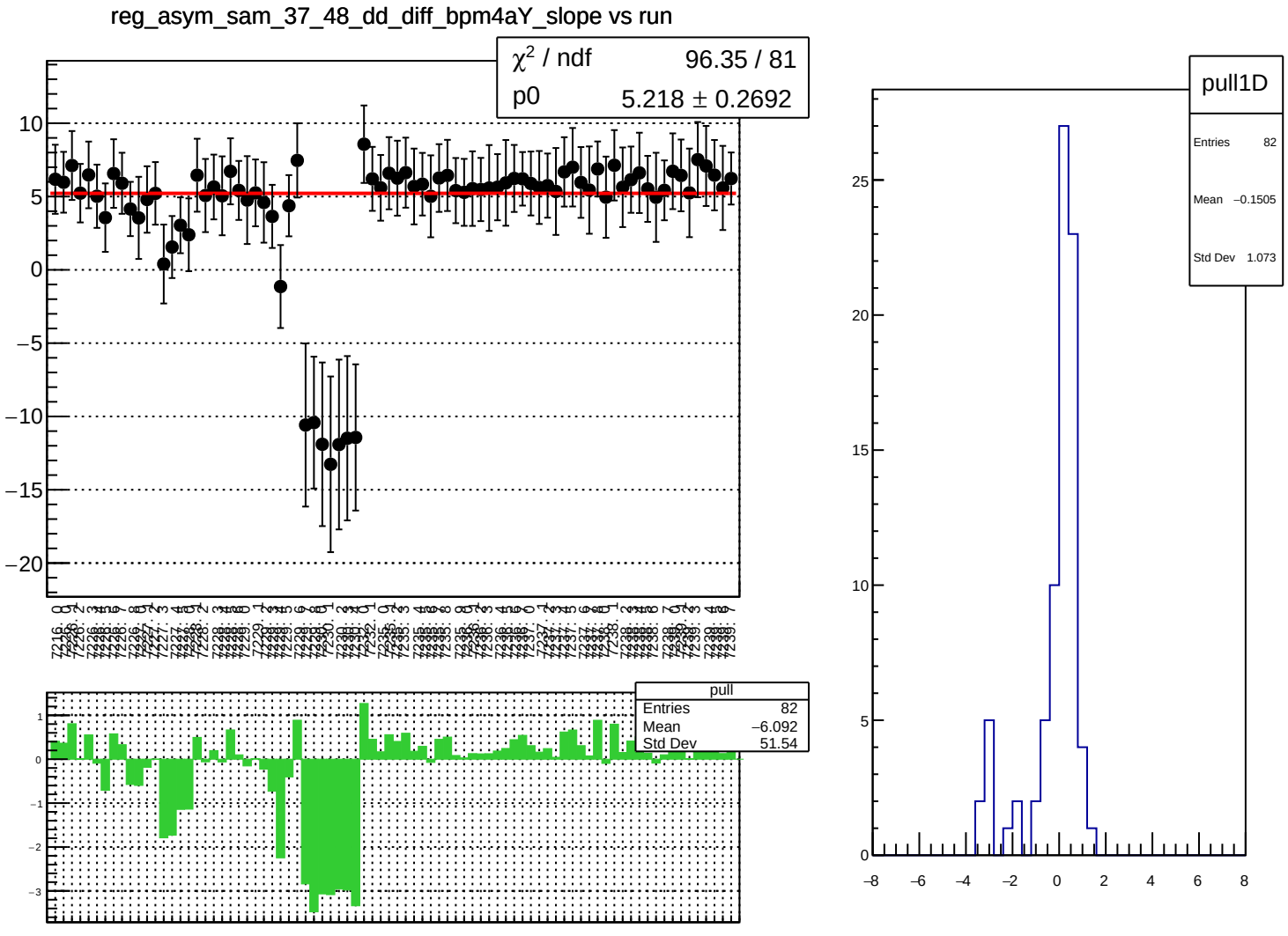

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 101.2 / 81
p0 33.59 ± 0.3897
pull
Entries 82
Mean 1209
Std Dev 1169
pull1D
Entries 82
Mean 0.01321
Std Dev 1.111

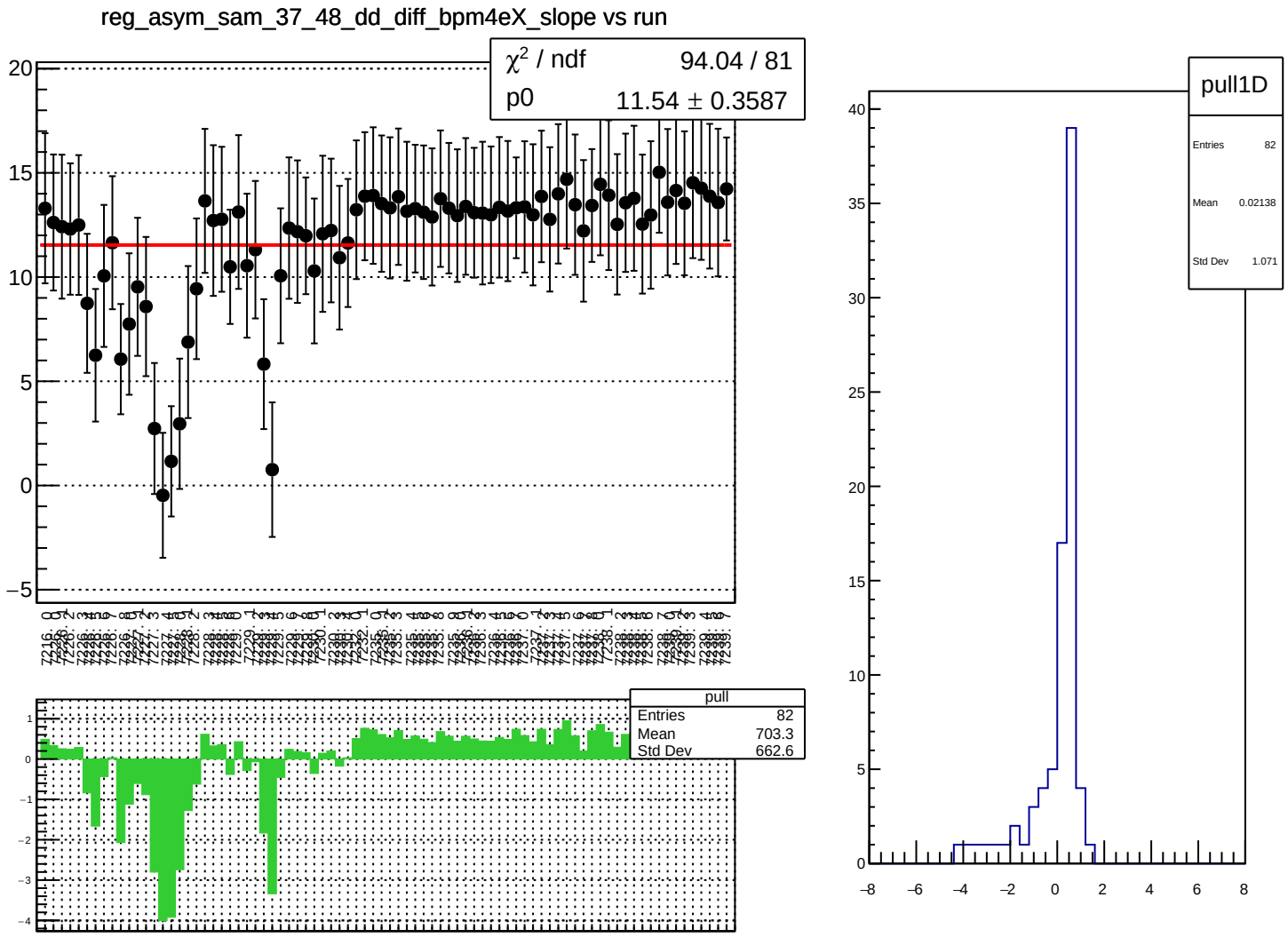

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.4 / 81
p0 −29.1 ± 0.3191
pull
Entries 82
Mean −36.31
Std Dev 81.48
pull1D
Entries 82
Mean 0.06677
Std Dev 0.7244

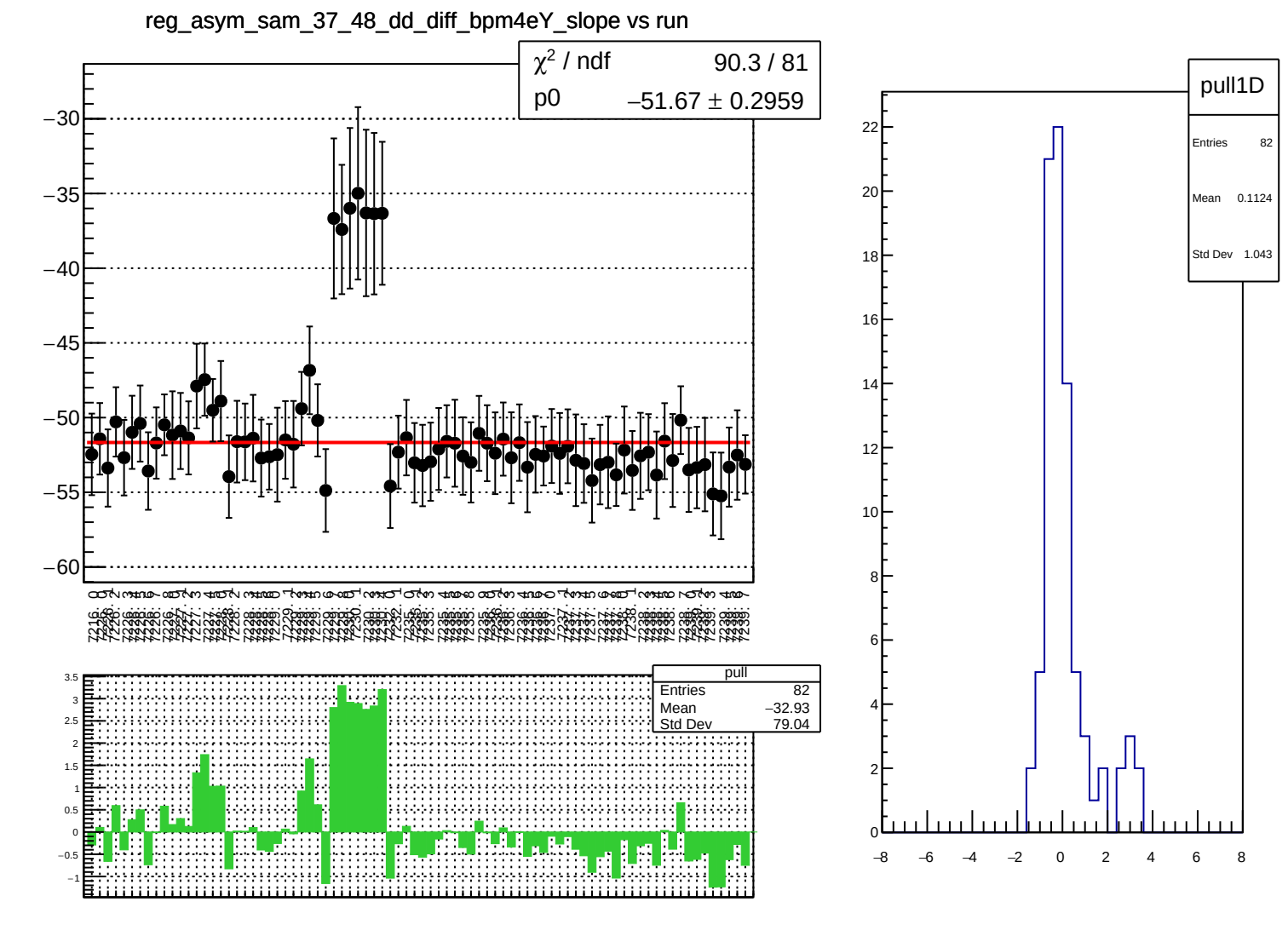

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.341 / 81
p0 0.1902 ± 0.01391
pull
Entries 82
Mean 739.6
Std Dev 699.5

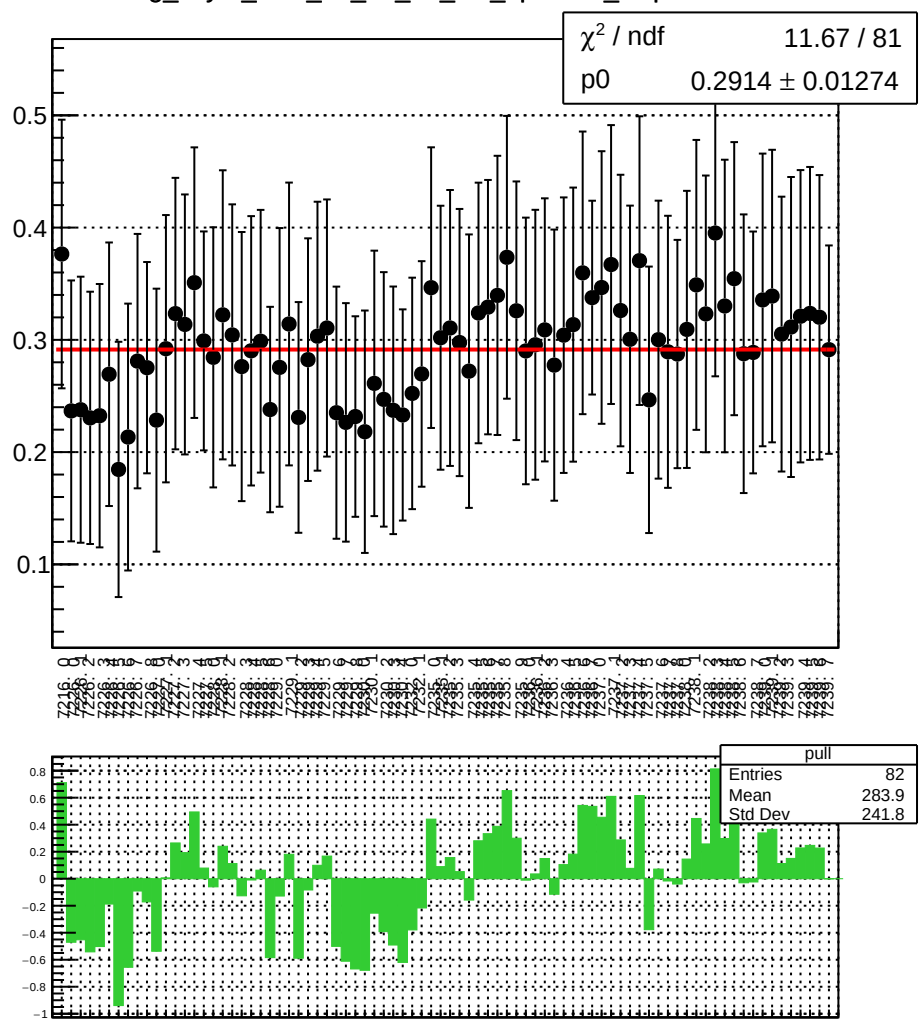

pull1D
Entries 82
Mean 0.002391
Std Dev 0.2301

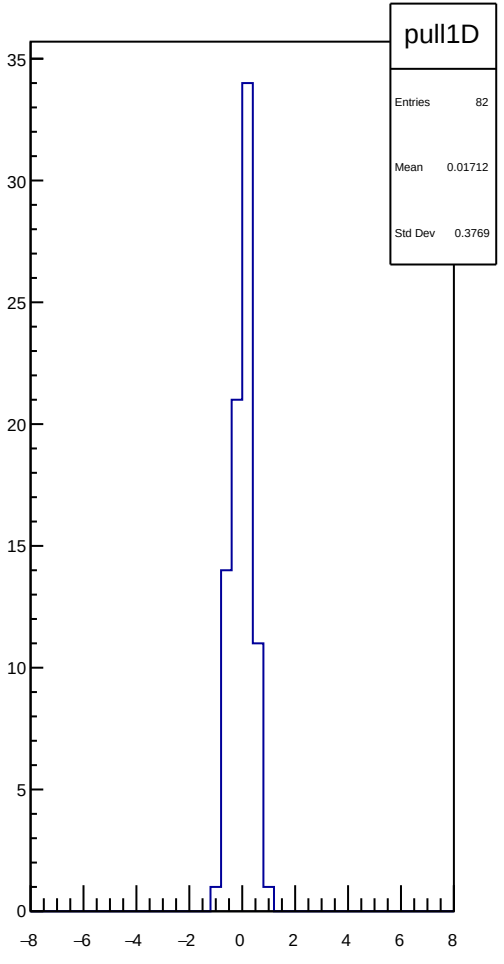

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 101.6 / 81
p0 6.454 ± 0.3507
pull
Entries 82
Mean 1625
Std Dev 1584
pull1D
Entries 82
Mean −0.00948
Std Dev 1.113

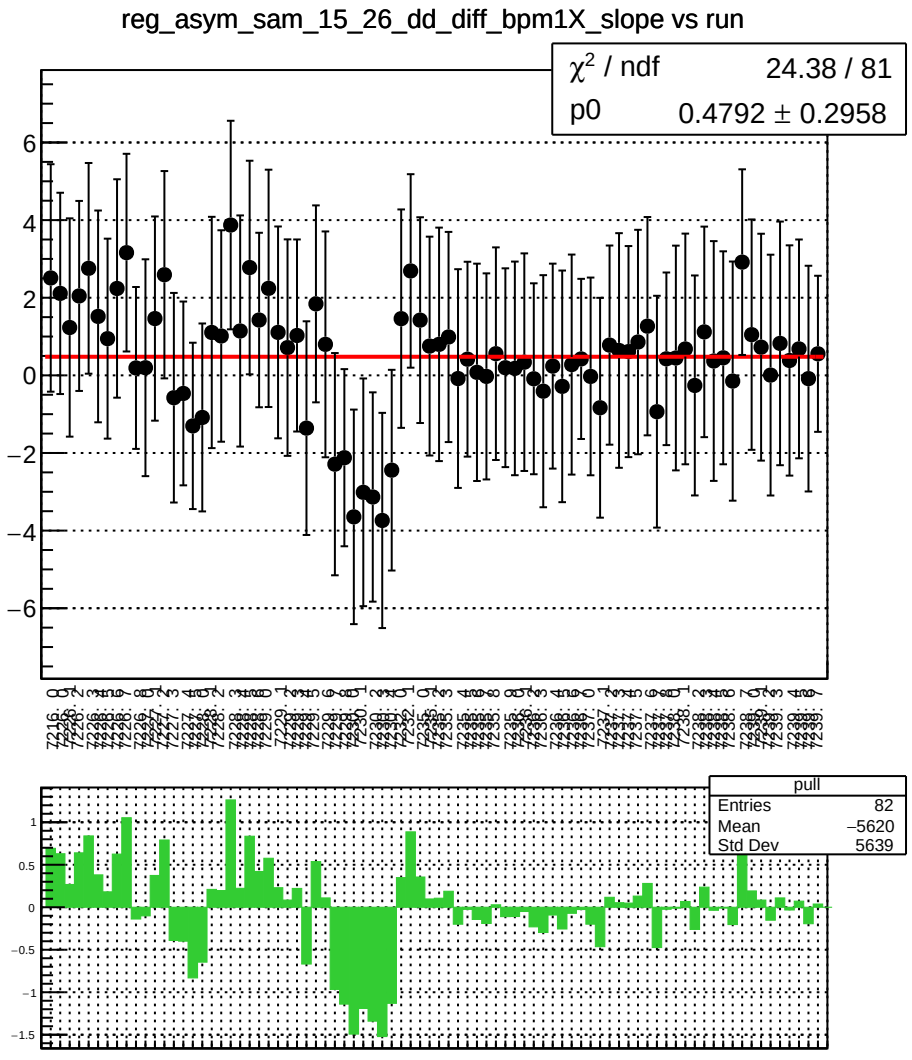

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 96.35 / 81
p0 5.218 ± 0.2692
pull
Entries 82
Mean −6.092
Std Dev 51.54
pull1D
Entries 82
Mean −0.1505
Std Dev 1.073

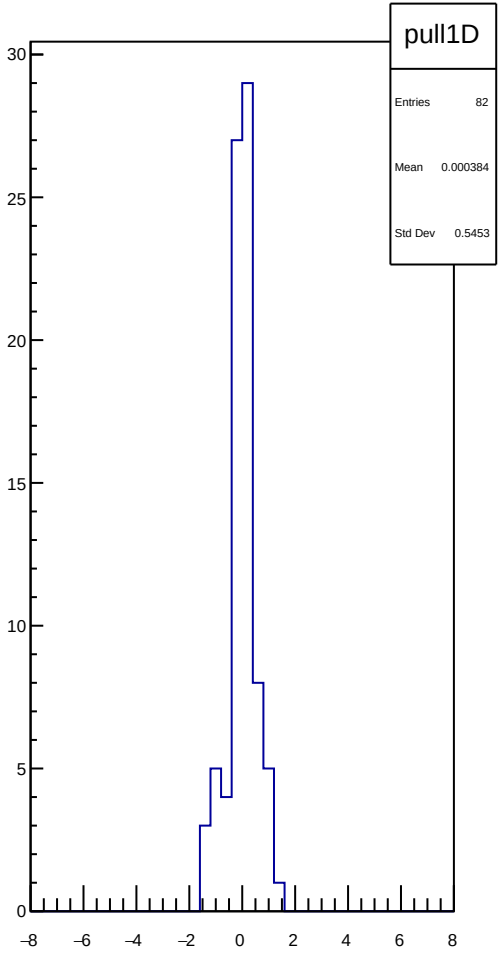

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 94.04 / 81
p0 11.54 ± 0.3587
pull
Entries 82
Mean 703.3
Std Dev 662.6
pull1D
Entries 82
Mean 0.02138
Std Dev 1.071

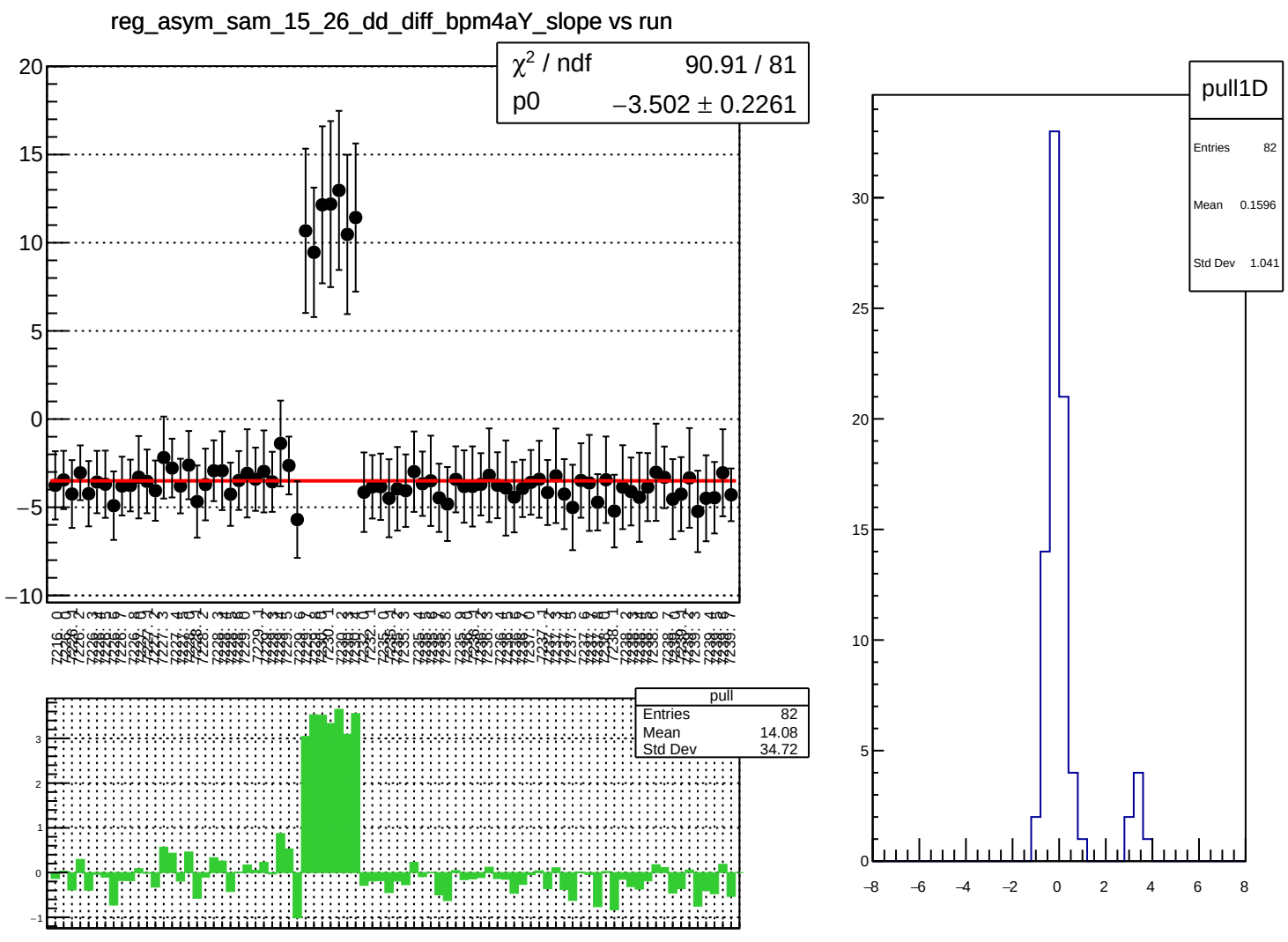

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.3 / 81
p0 −51.67 ± 0.2959
pull
Entries 82
Mean −32.93
Std Dev 79.04
pull1D
Entries 82
Mean 0.1124
Std Dev 1.043

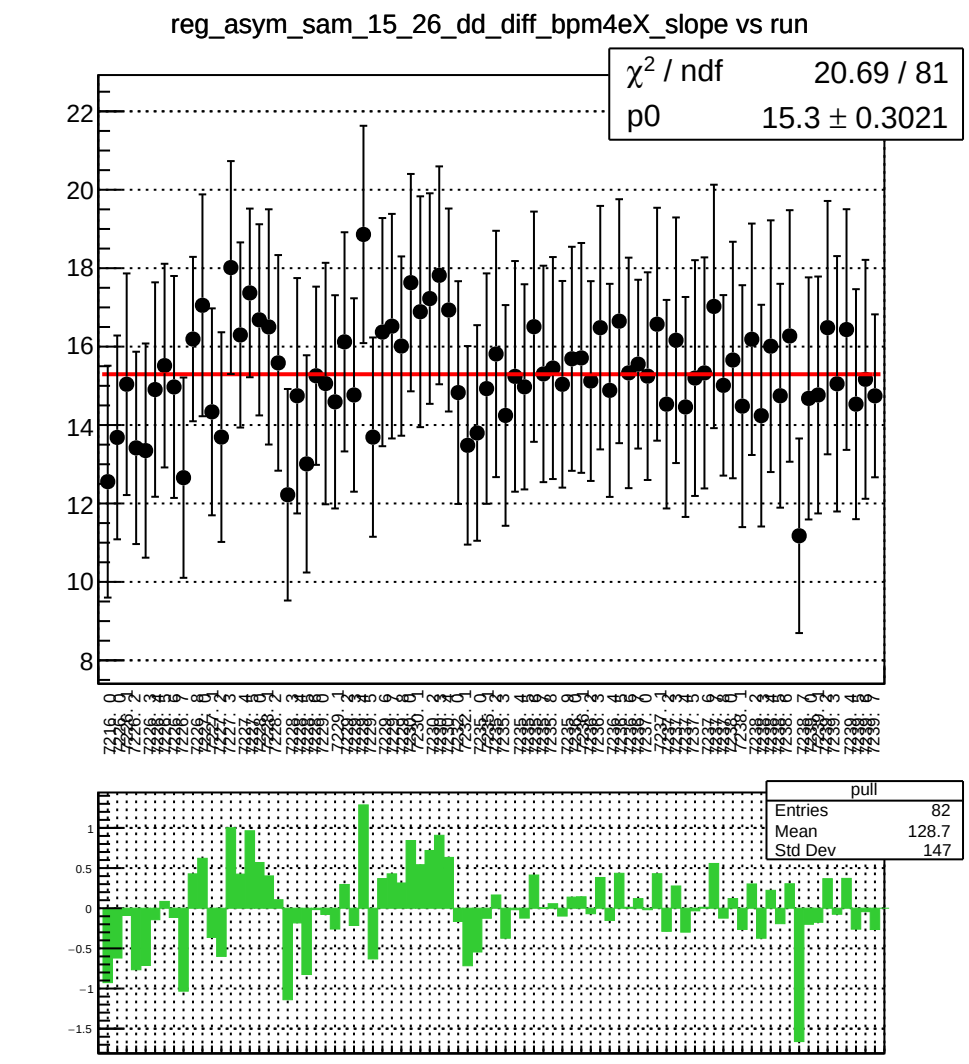

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 11.67 / 81
p0 0.2914 ± 0.01274
pull
Entries 82
Mean 283.9
Std Dev 241.8

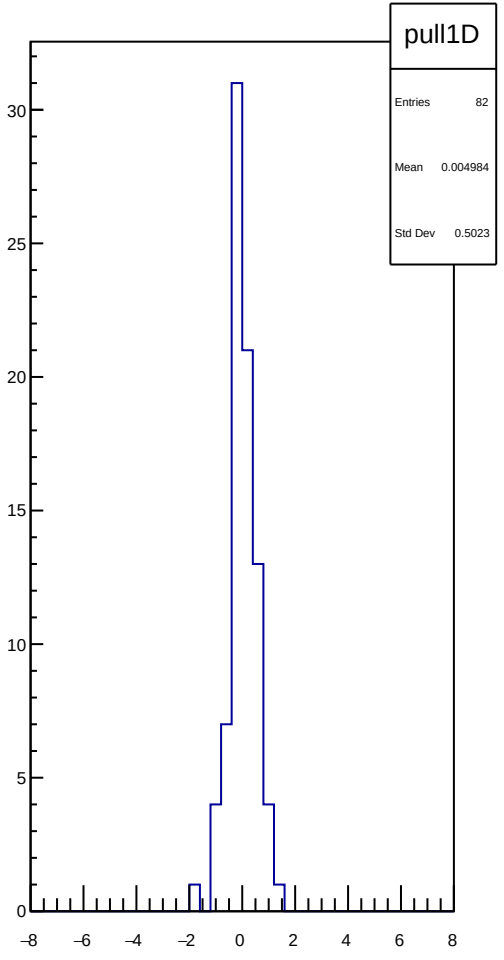

pull1D
Entries 82
Mean 0.01712
Std Dev 0.3769

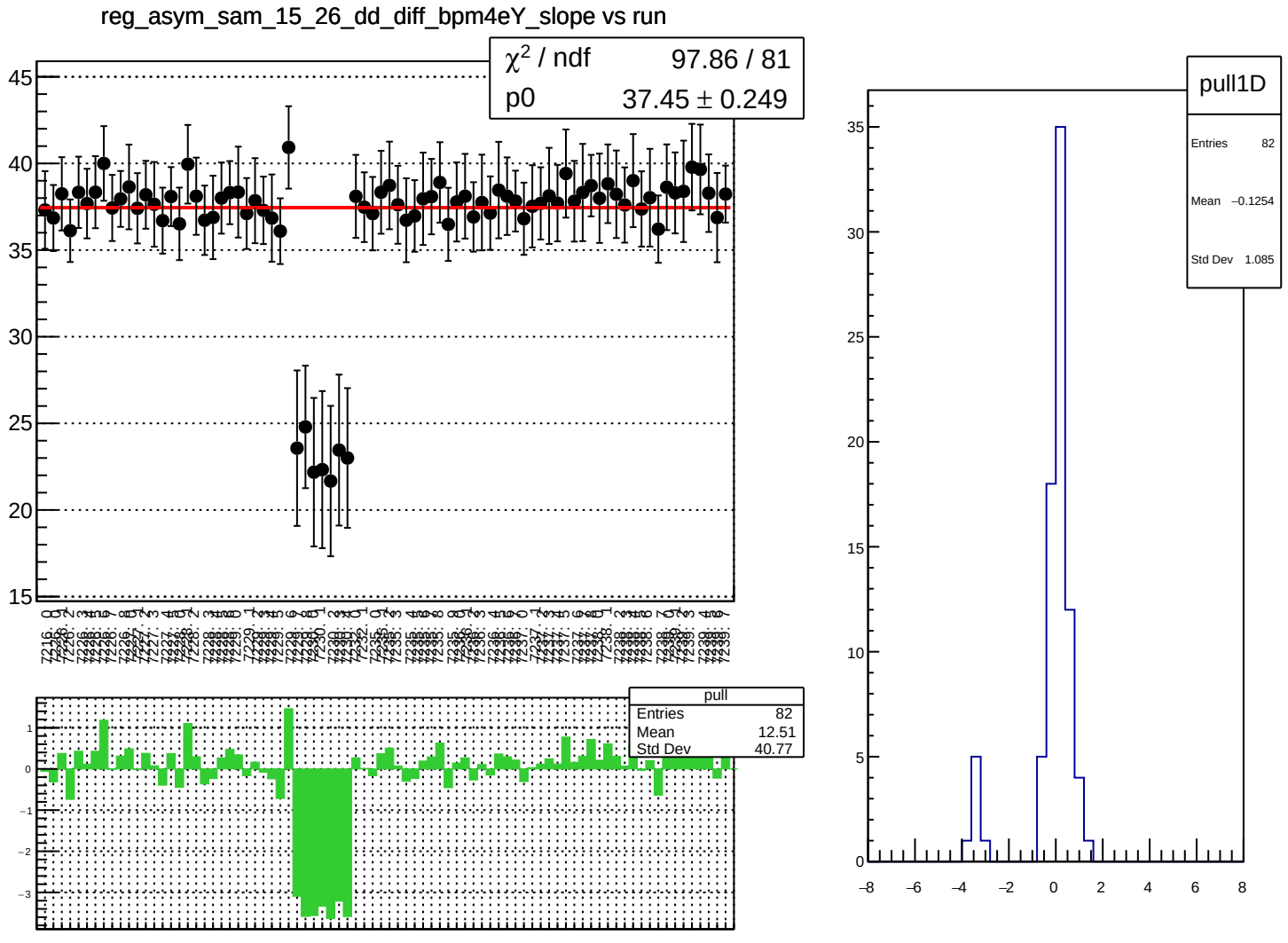

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 24.38 / 81
p0 0.4792 ± 0.2958
pull
Entries 82
Mean −5620
Std Dev 5639

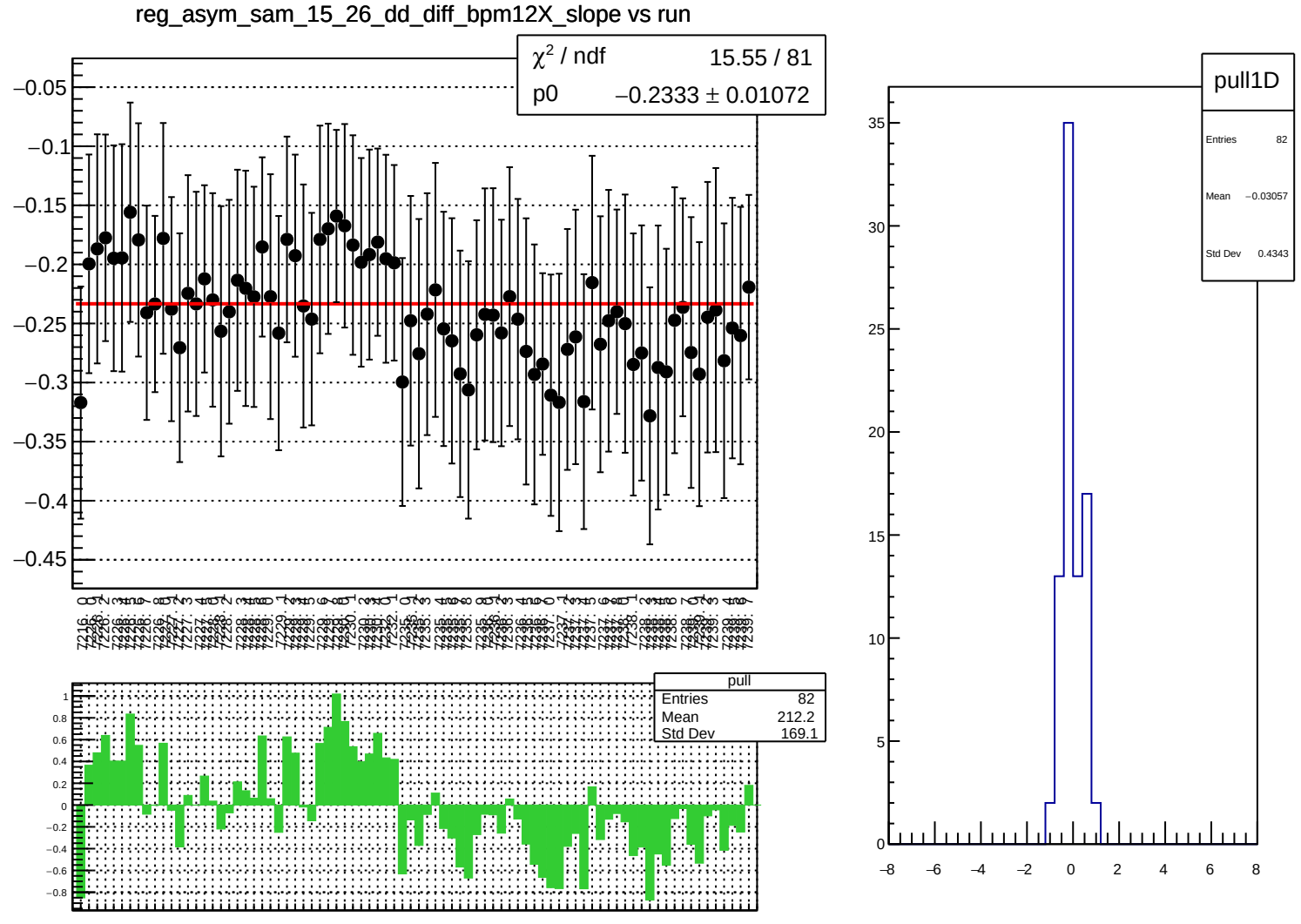

pull1D
Entries 82
Mean 0.000384
Std Dev 0.5453

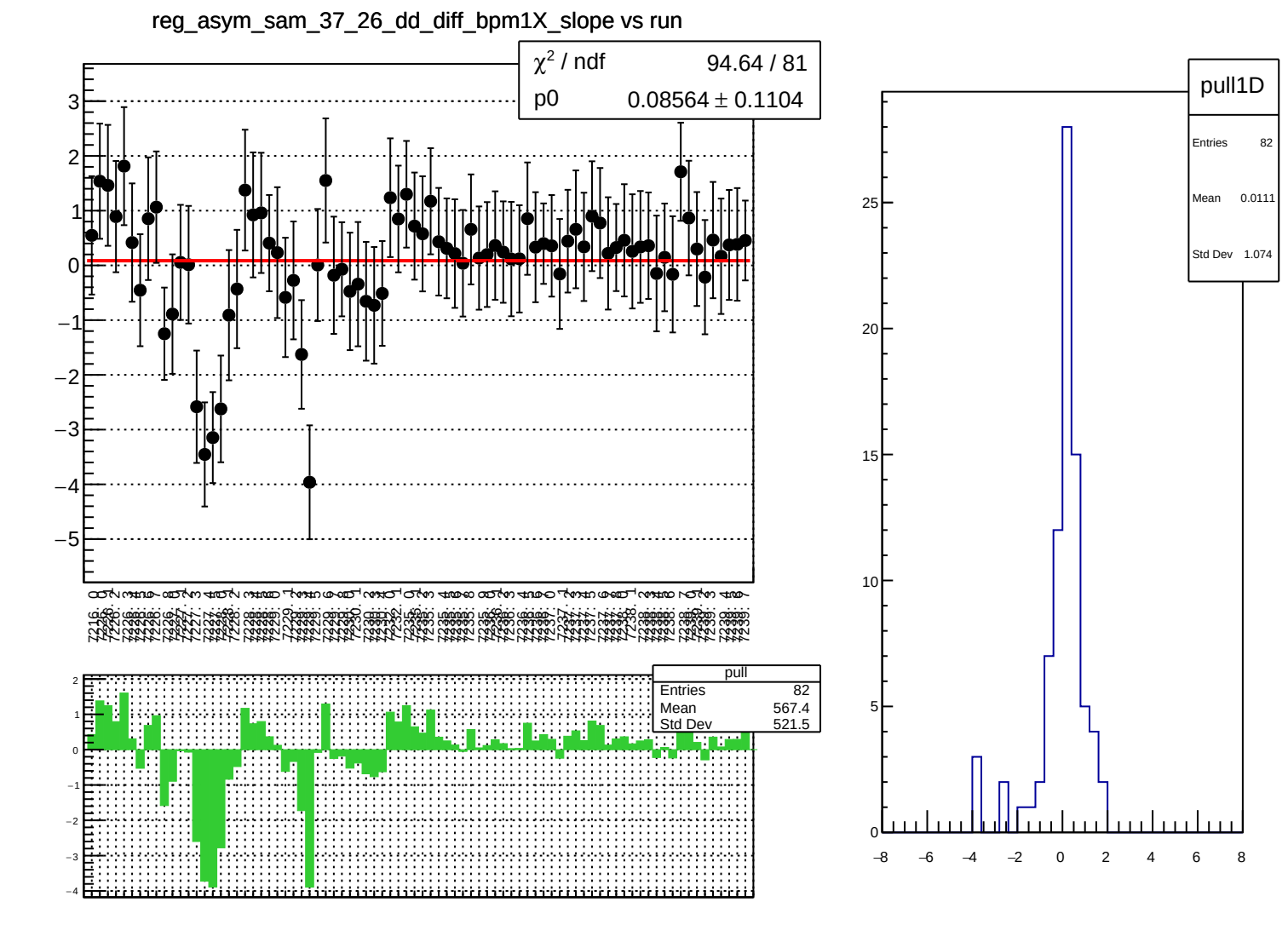

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.91 / 81
p0 −3.502 ± 0.2261
pull
Entries 82
Mean 14.08
Std Dev 34.72
pull1D
Entries 82
Mean 0.1596
Std Dev 1.041

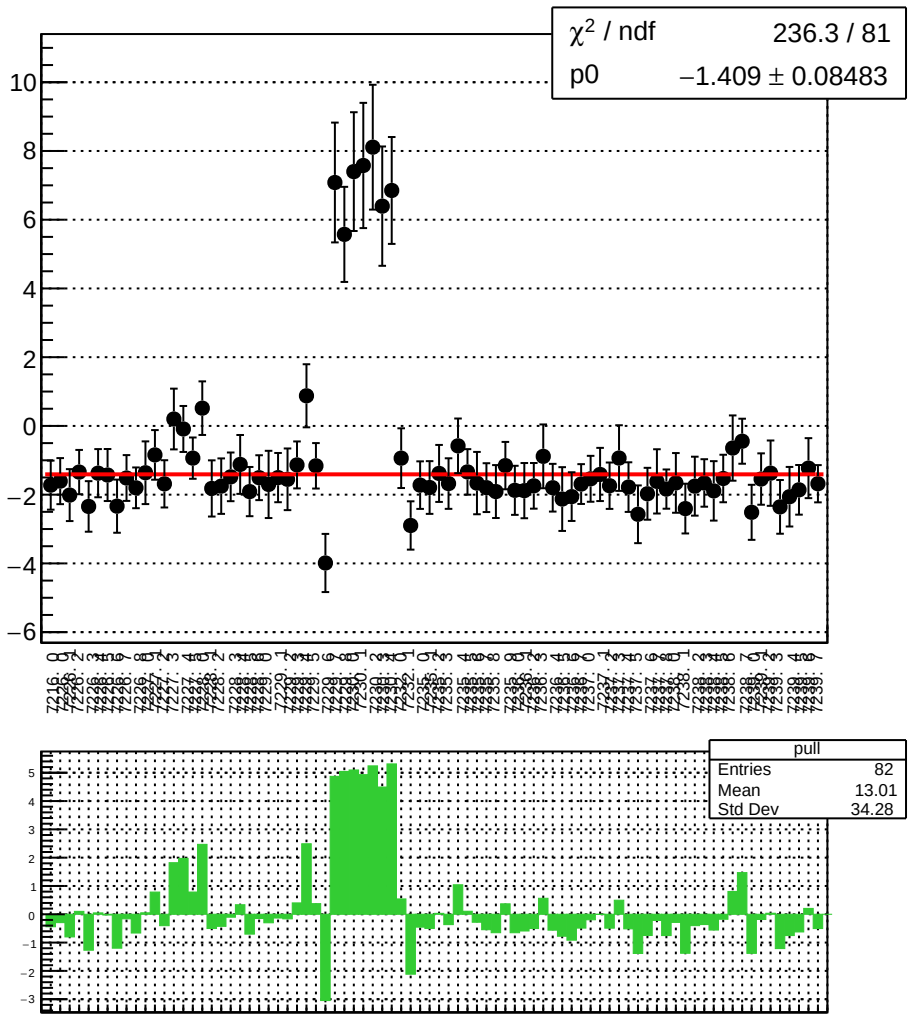

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.69 / 81
p0 15.3 ± 0.3021
pull
Entries 82
Mean 128.7
Std Dev 147

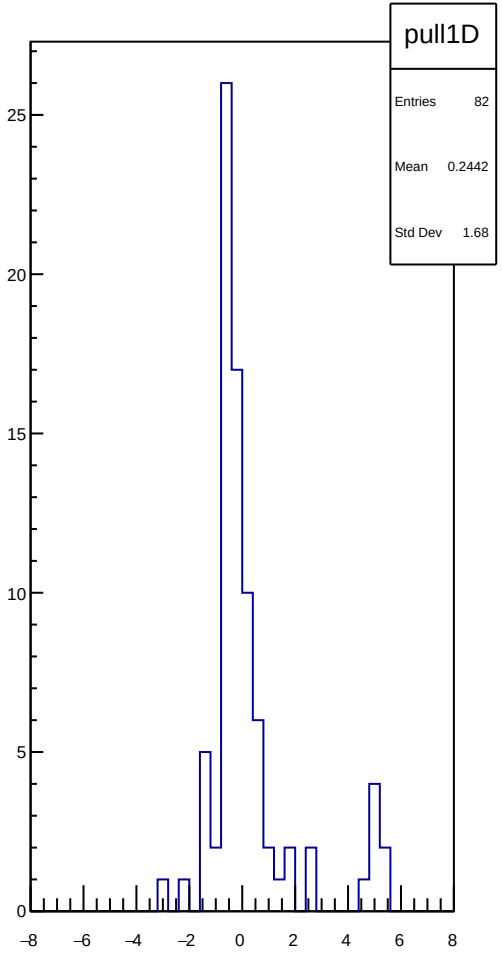

pull1D
Entries 82
Mean 0.004984
Std Dev 0.5023

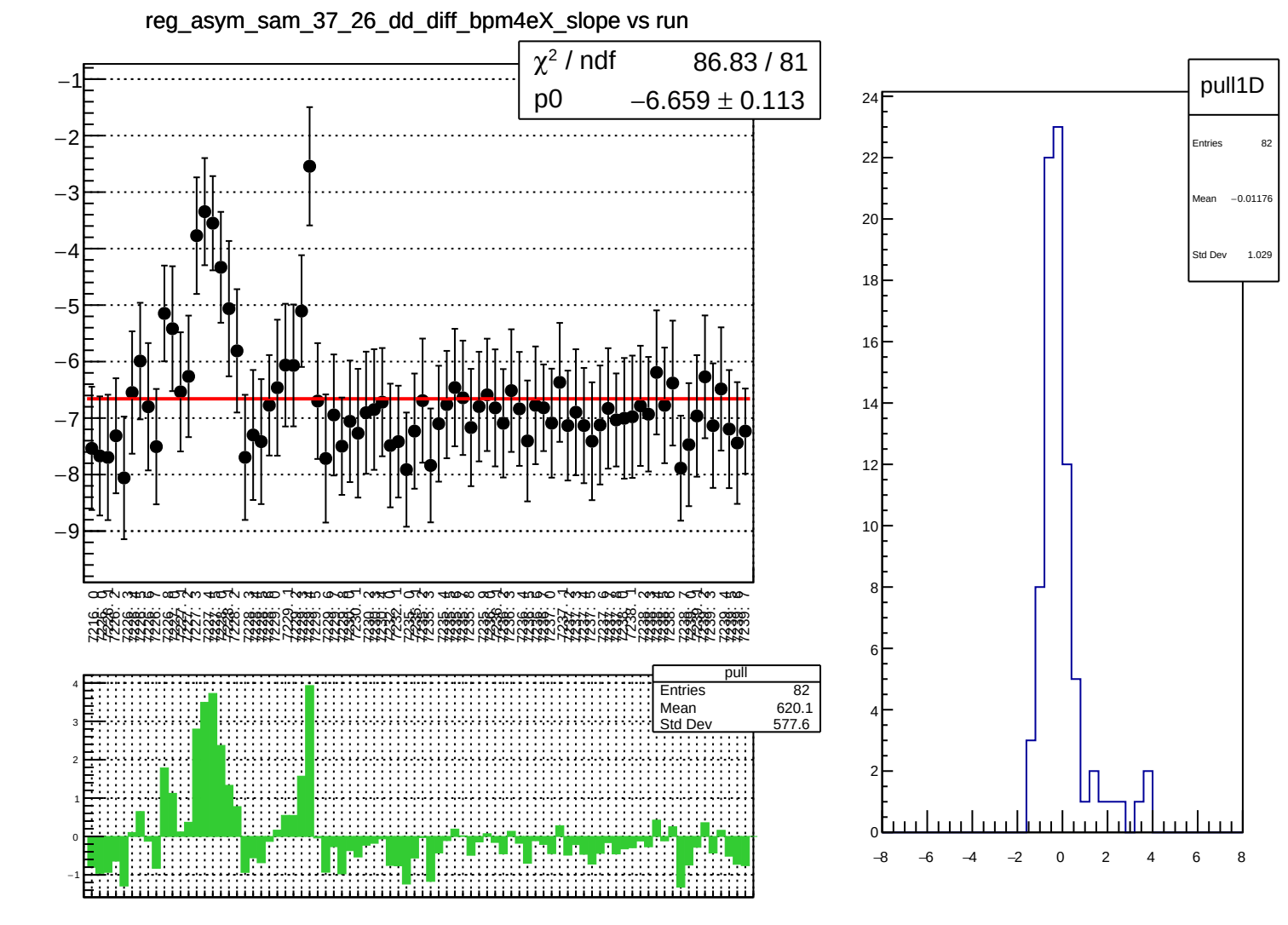

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 97.86 / 81
p0 37.45 ± 0.249
pull
Entries 82
Mean 12.51
Std Dev 40.77
pull1D
Entries 82
Mean −0.1254
Std Dev 1.085

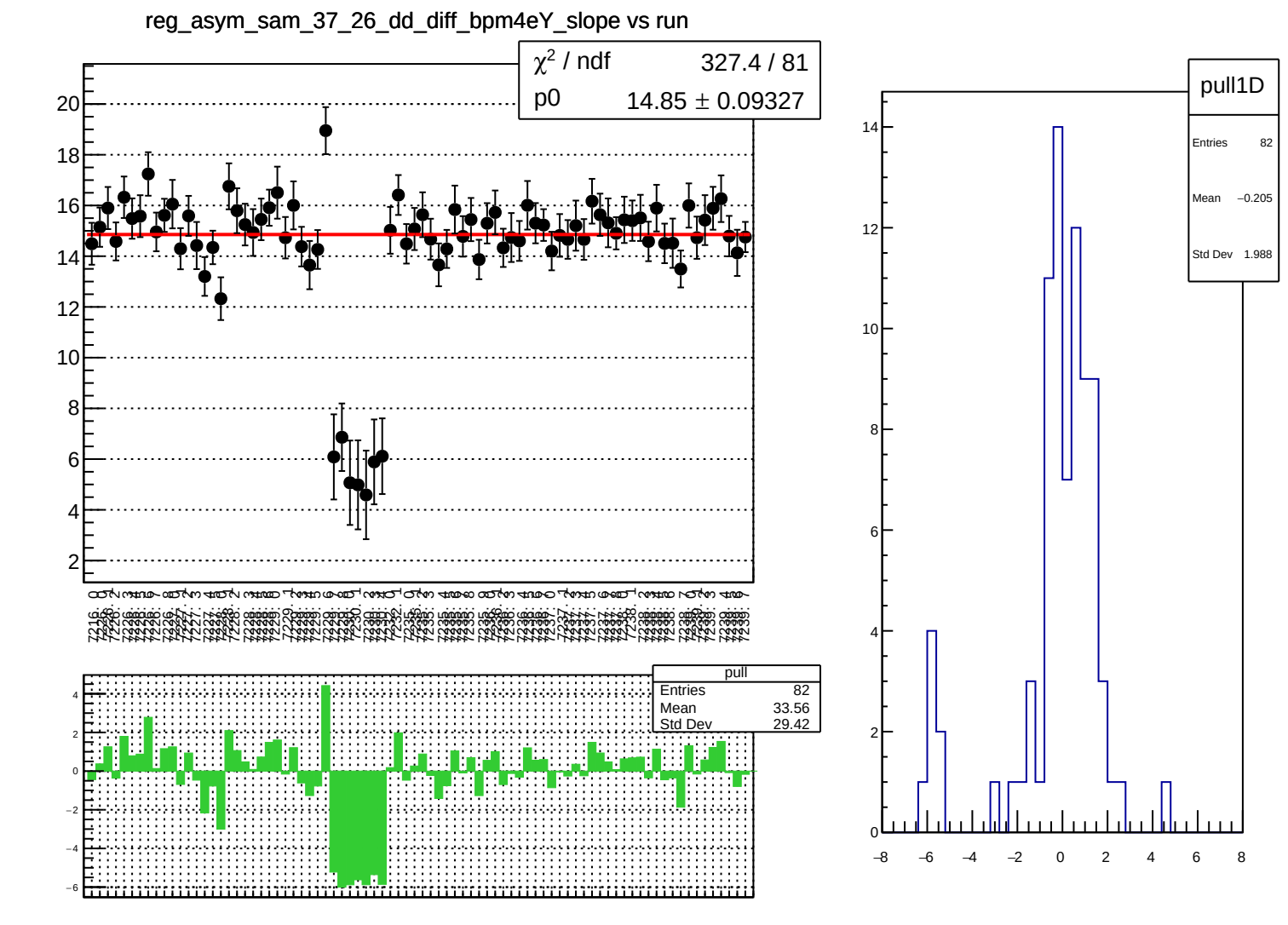

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 15.55 / 81
p0 −0.2333 ± 0.01072
pull
Entries 82
Mean 212.2
Std Dev 169.1
pull1D
Entries 82
Mean −0.03057
Std Dev 0.4343

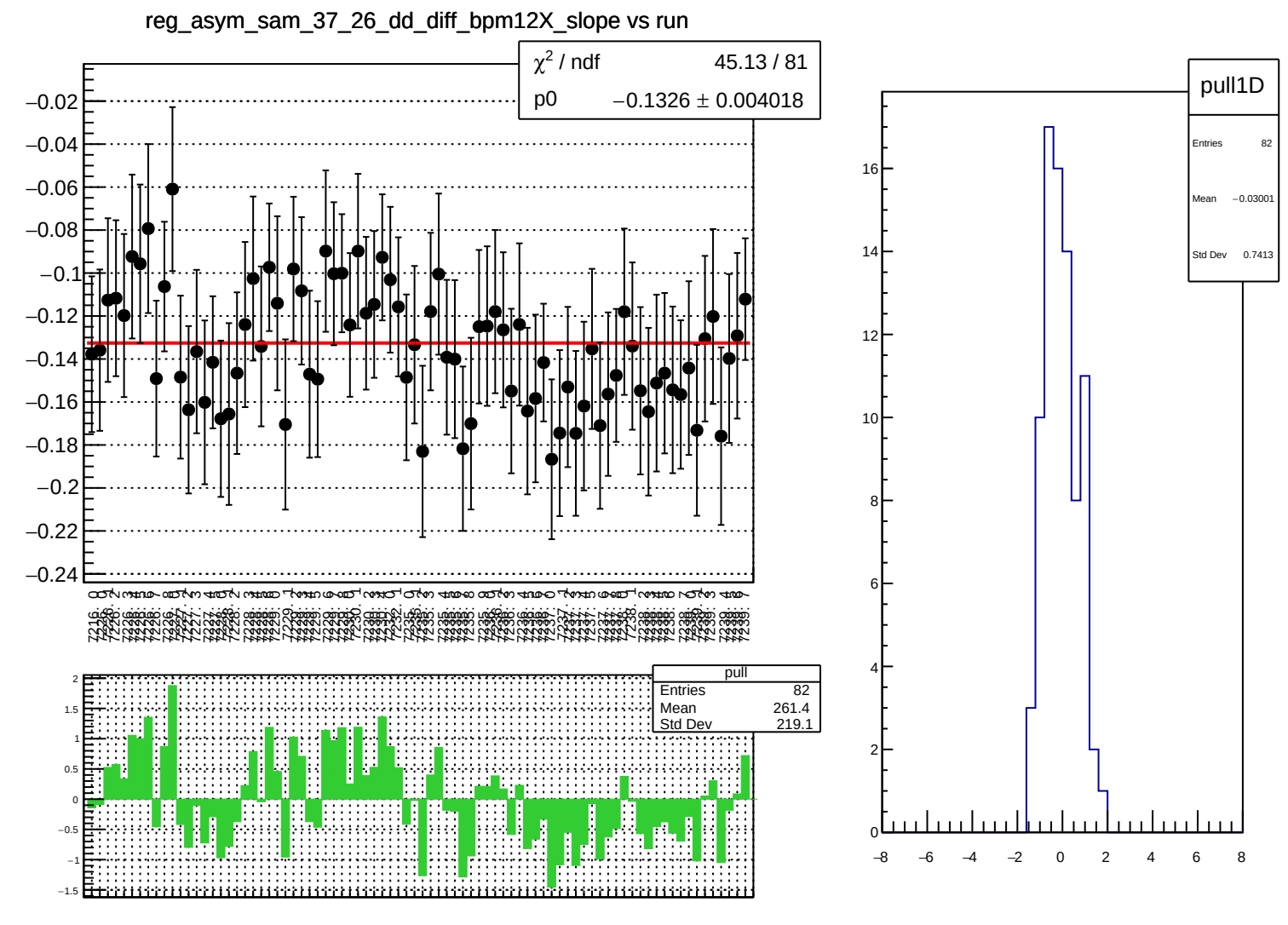

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 94.64 / 81
p0 0.08564 ± 0.1104
pull
Entries 82
Mean 567.4
Std Dev 521.5
pull1D
Entries 82
Mean 0.0111
Std Dev 1.074

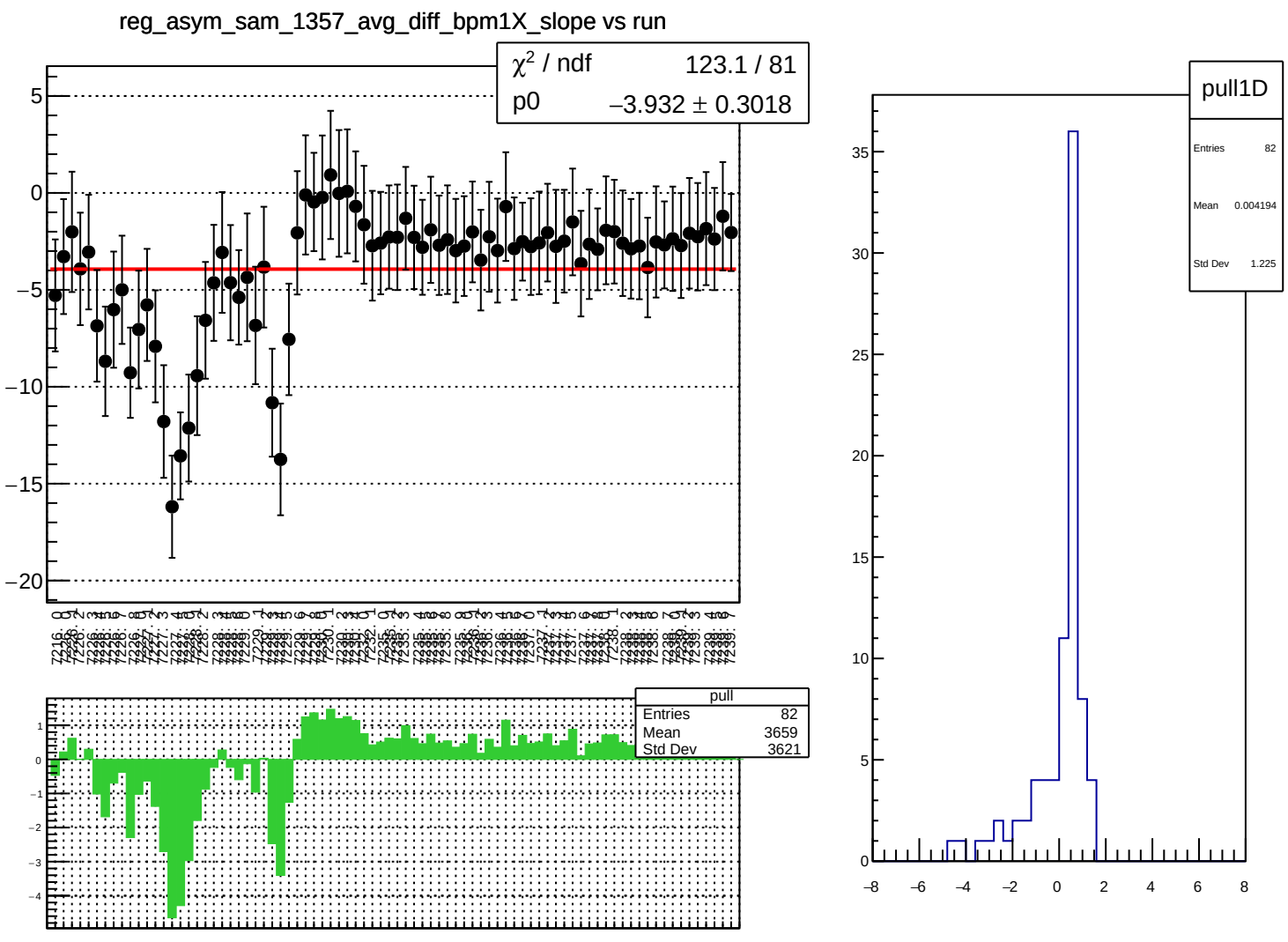

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 236.3 / 81
p0 −1.409 ± 0.08483
pull
Entries 82
Mean 13.01
Std Dev 34.28

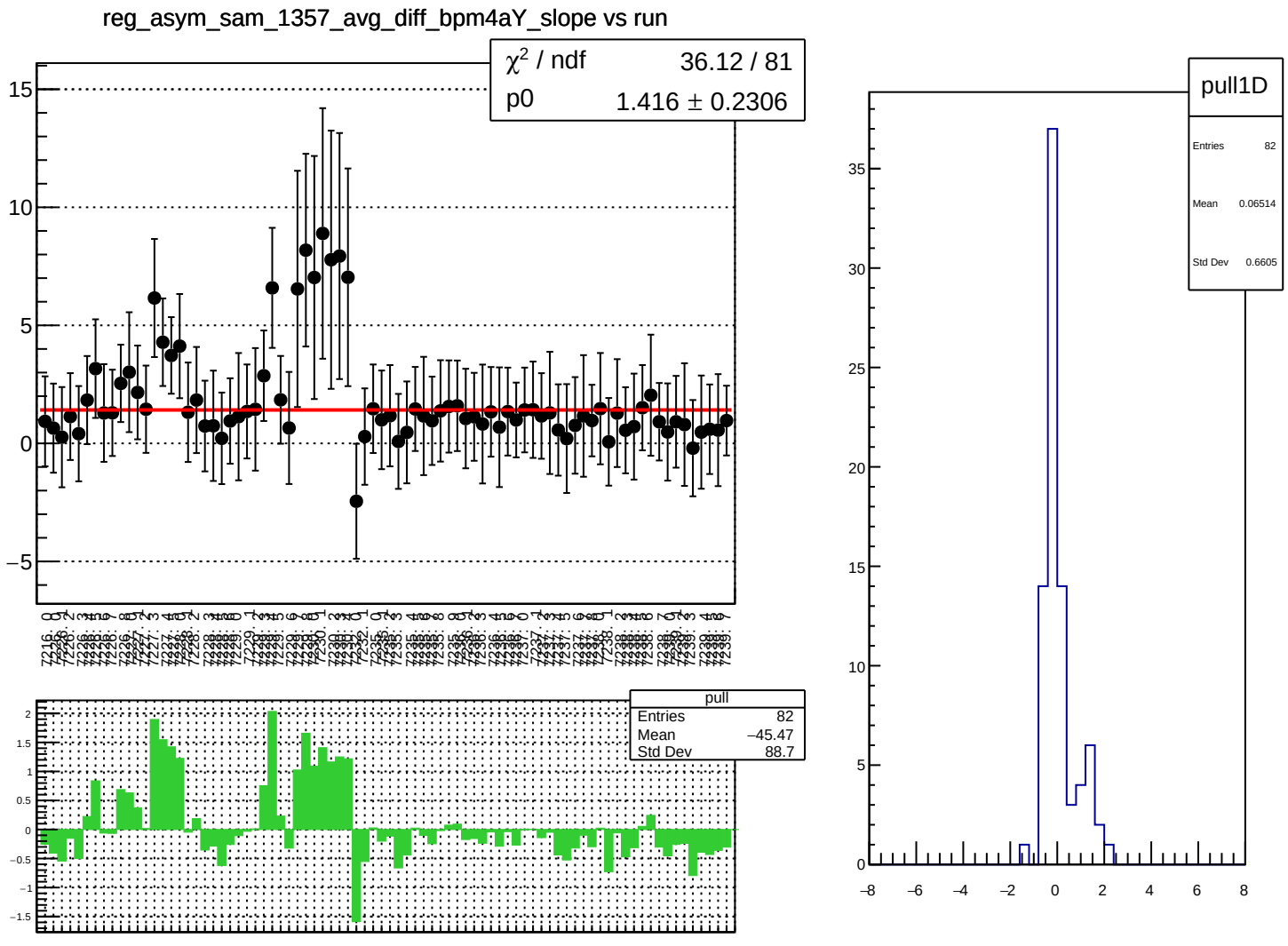

pull1D
Entries 82
Mean 0.2442
Std Dev 1.68

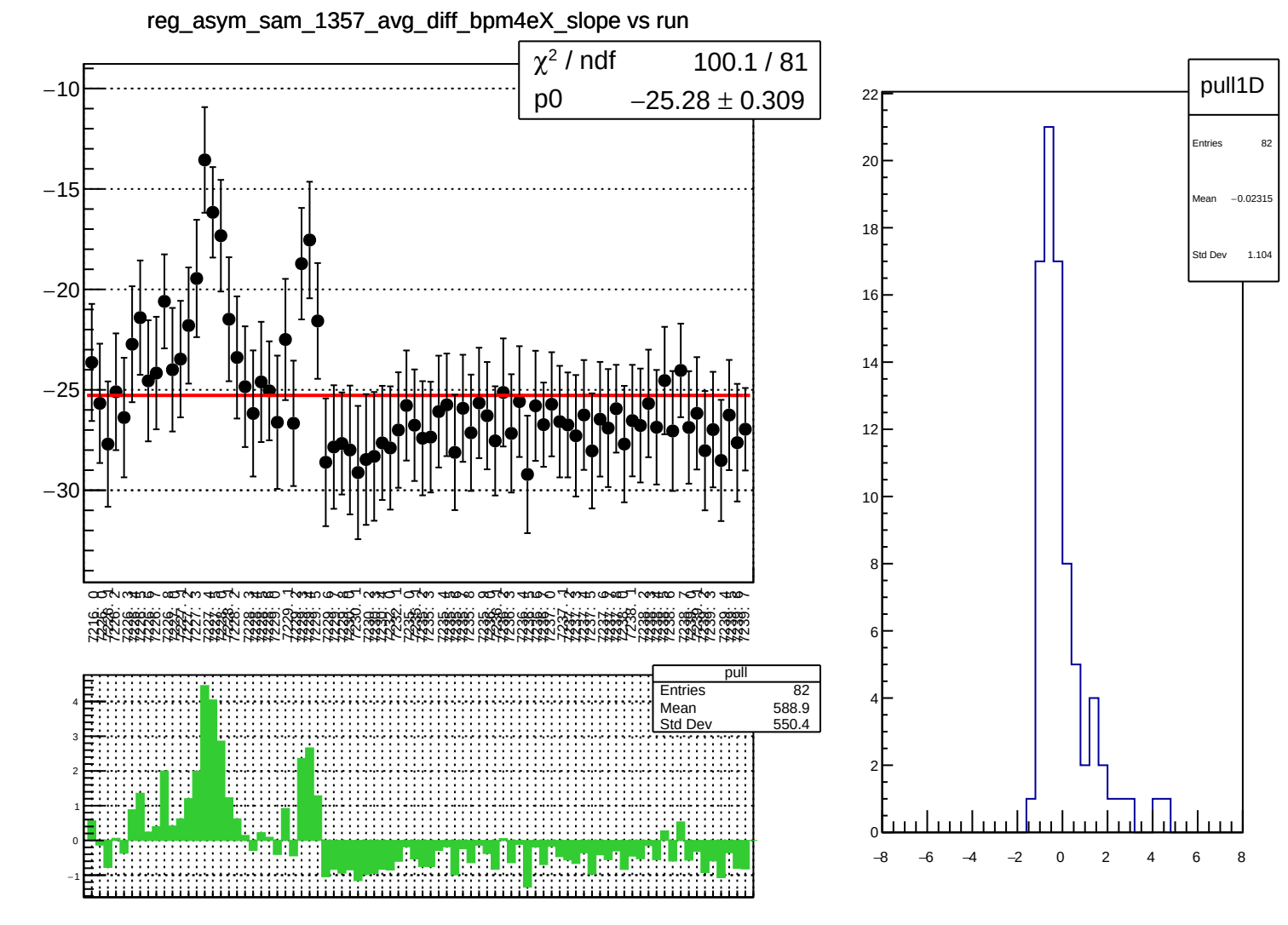

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 86.83 / 81
p0 −6.659 ± 0.113
pull
Entries 82
Mean 620.1
Std Dev 577.6
pull1D
Entries 82
Mean −0.01176
Std Dev 1.029

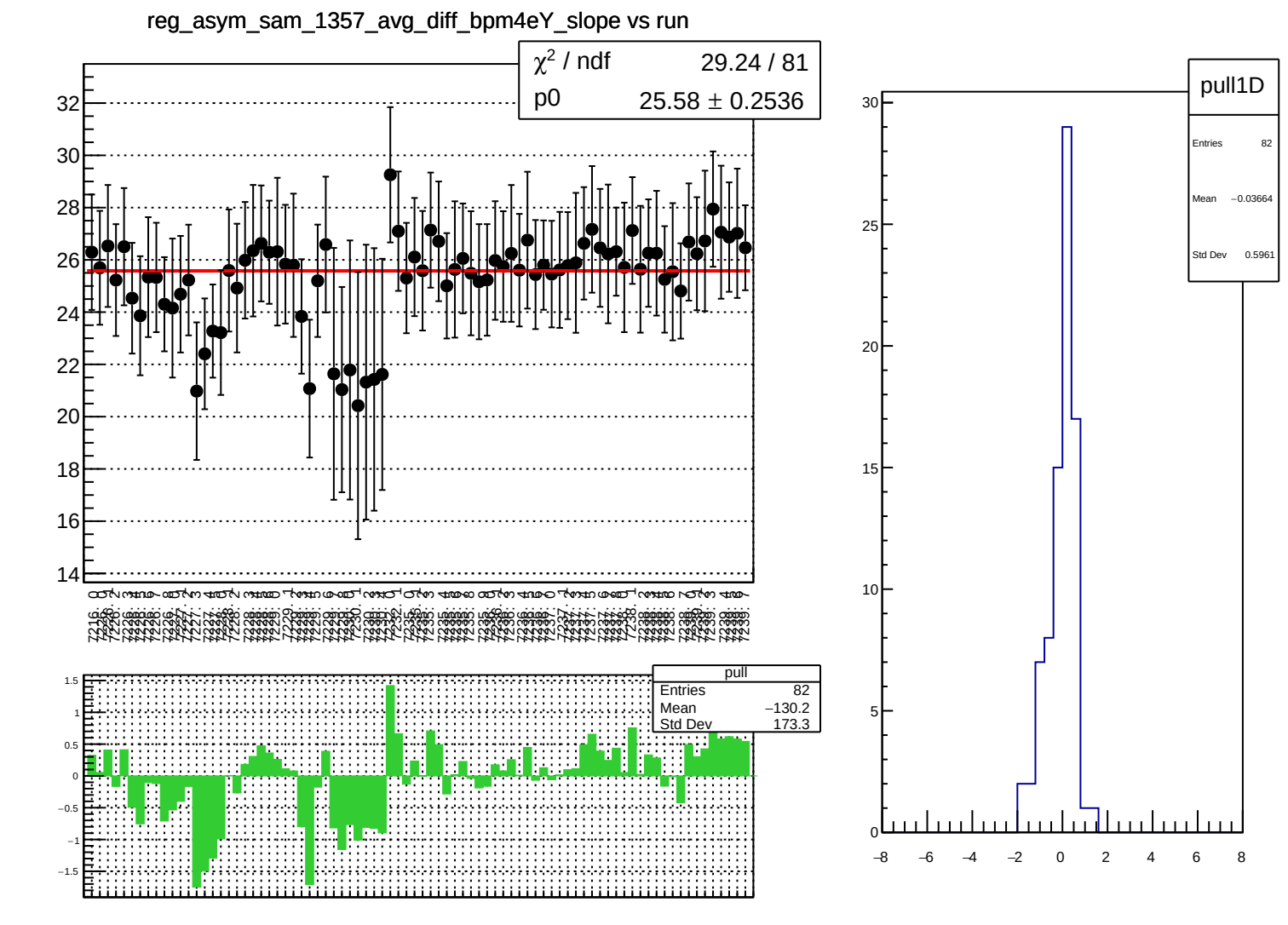

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 327.4 / 81
p0 14.85 ± 0.09327
pull
Entries 82
Mean 33.56
Std Dev 29.42
pull1D
Entries 82
Mean −0.205
Std Dev 1.988

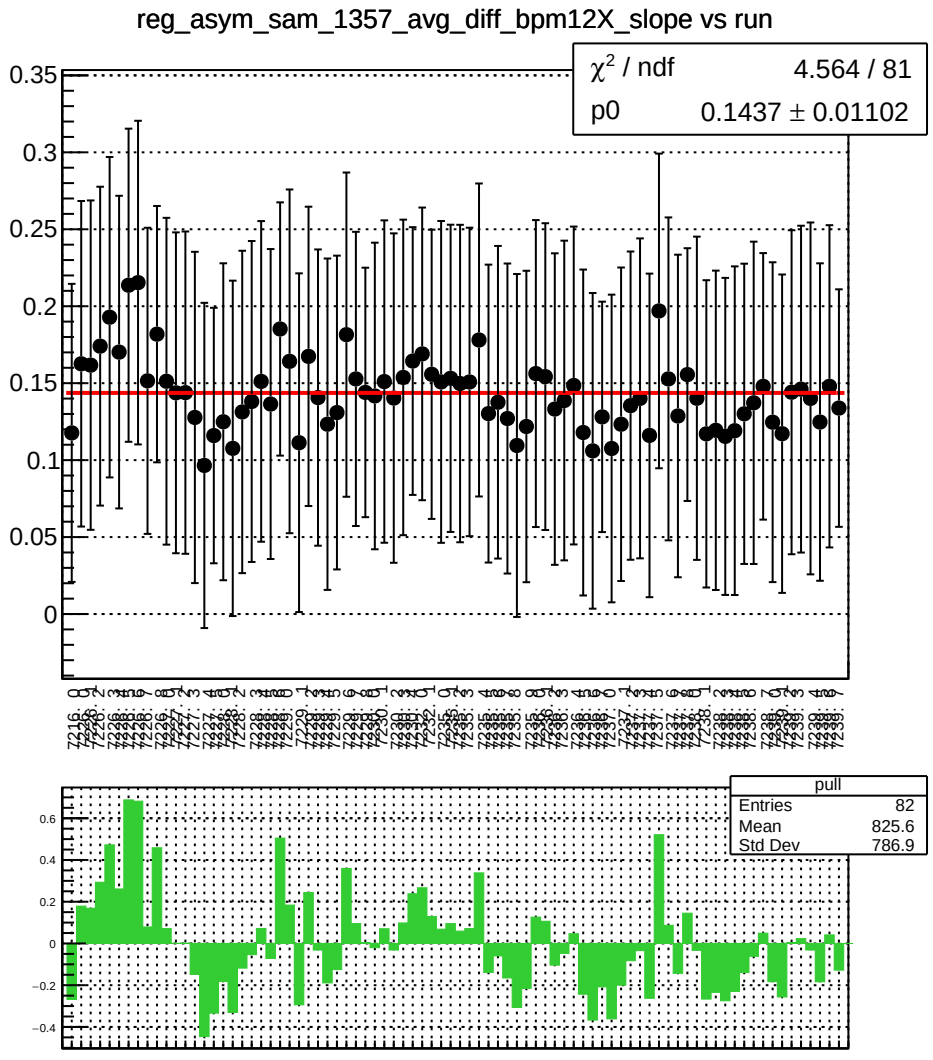

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 45.13 / 81
p0 −0.1326 ± 0.004018
pull
Entries 82
Mean 261.4
Std Dev 219.1
pull1D
Entries 82
Mean −0.03001
Std Dev 0.7413

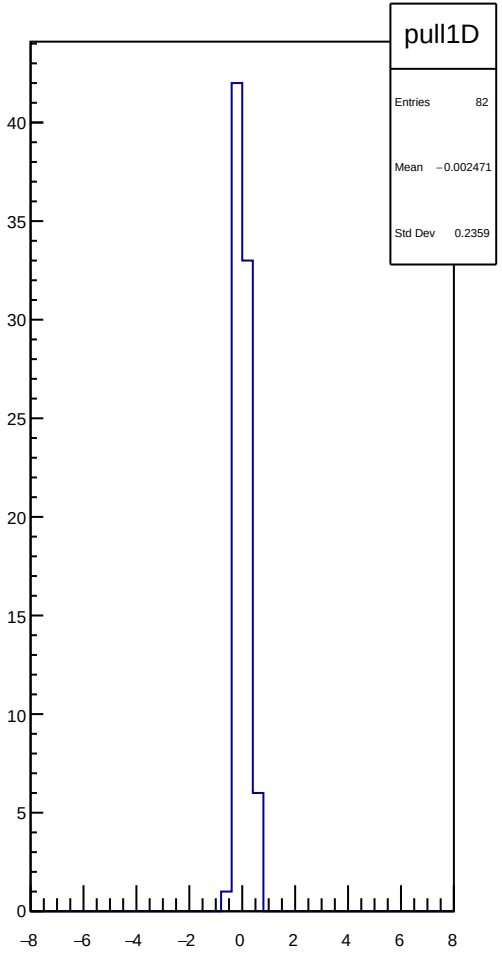

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 123.1 / 81
p0 −3.932 ± 0.3018
pull
Entries 82
Mean 3659
Std Dev 3621
pull1D
Entries 82
Mean 0.004194
Std Dev 1.225

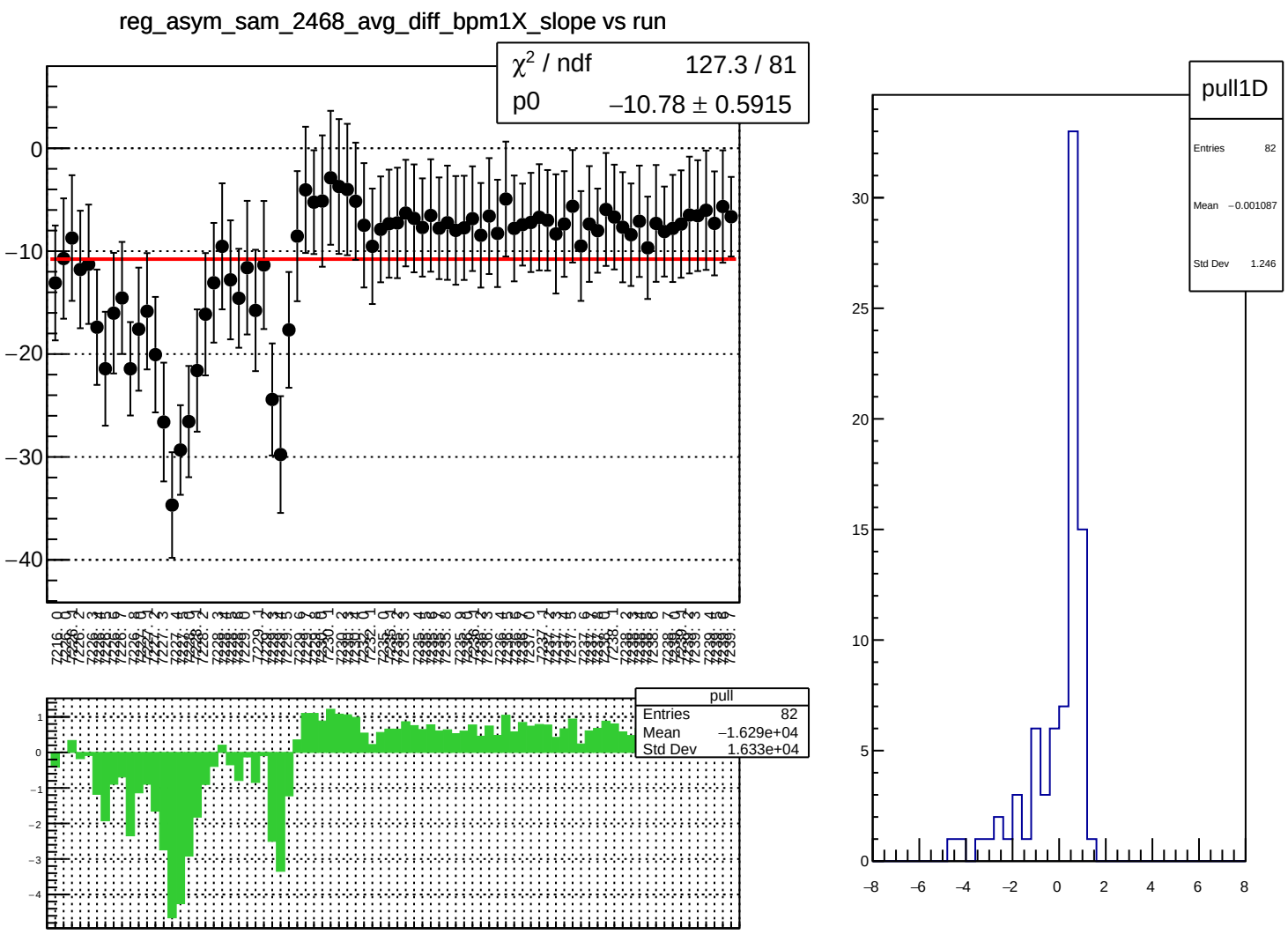

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.12 / 81
p0 1.416 ± 0.2306
pull
Entries 82
Mean −45.47
Std Dev 88.7
pull1D
Entries 82
Mean 0.06514
Std Dev 0.6605

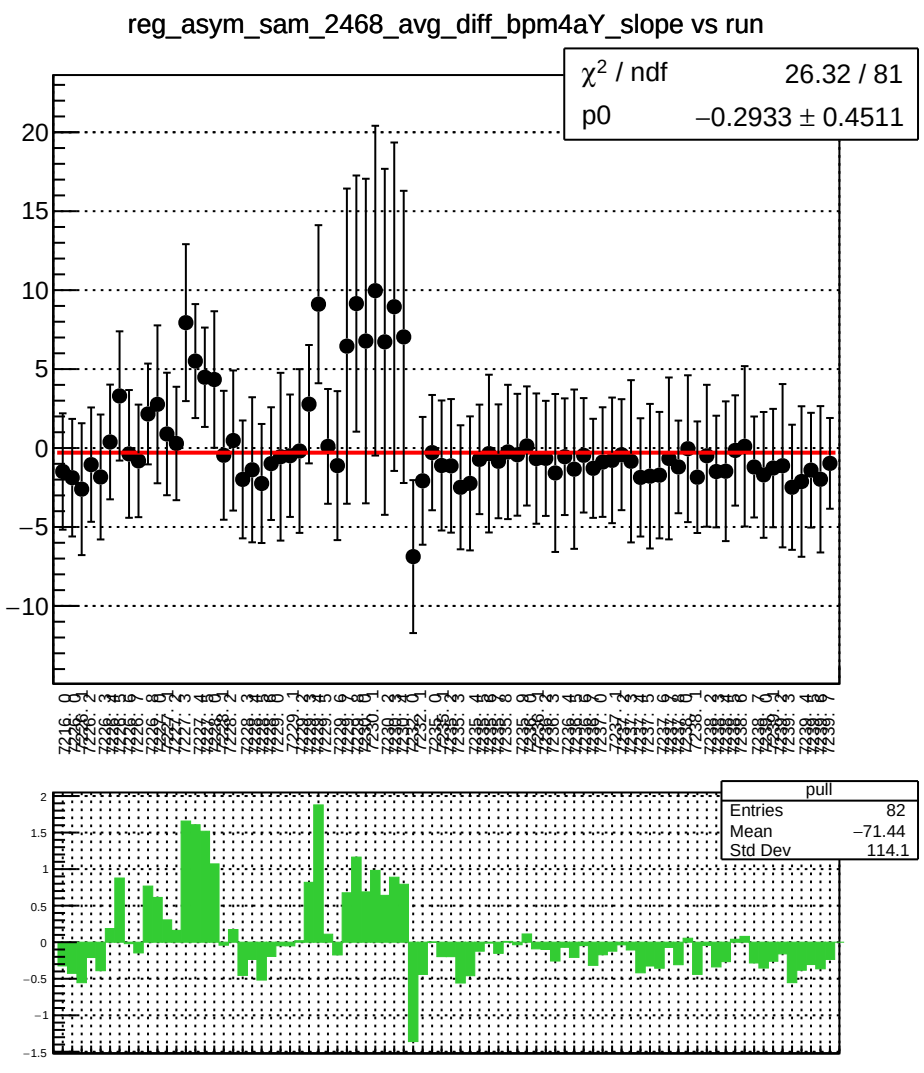

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 100.1 / 81
p0 −25.28 ± 0.309
pull
Entries 82
Mean 588.9
Std Dev 550.4
pull1D
Entries 82
Mean −0.02315
Std Dev 1.104

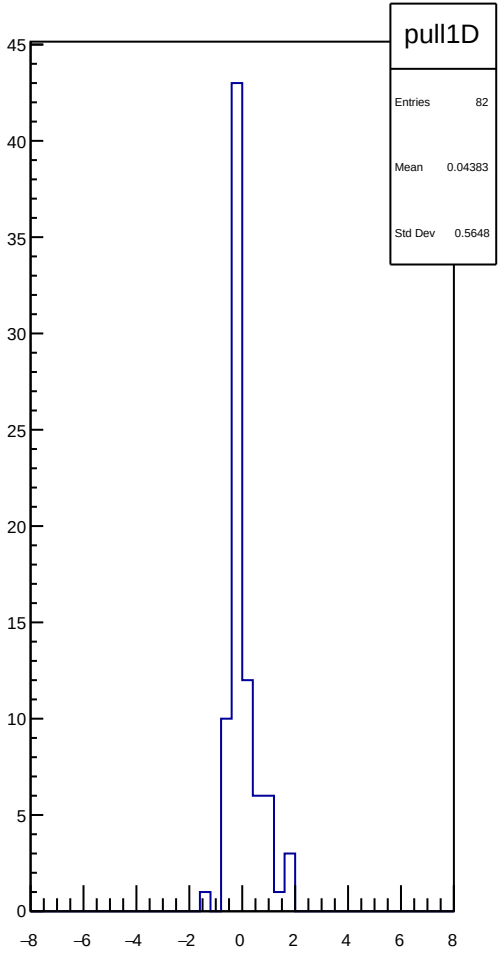

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.24 / 81
p0 25.58 ± 0.2536
pull
Entries 82
Mean −130.2
Std Dev 173.3
pull1D
Entries 82
Mean −0.03664
Std Dev 0.5961

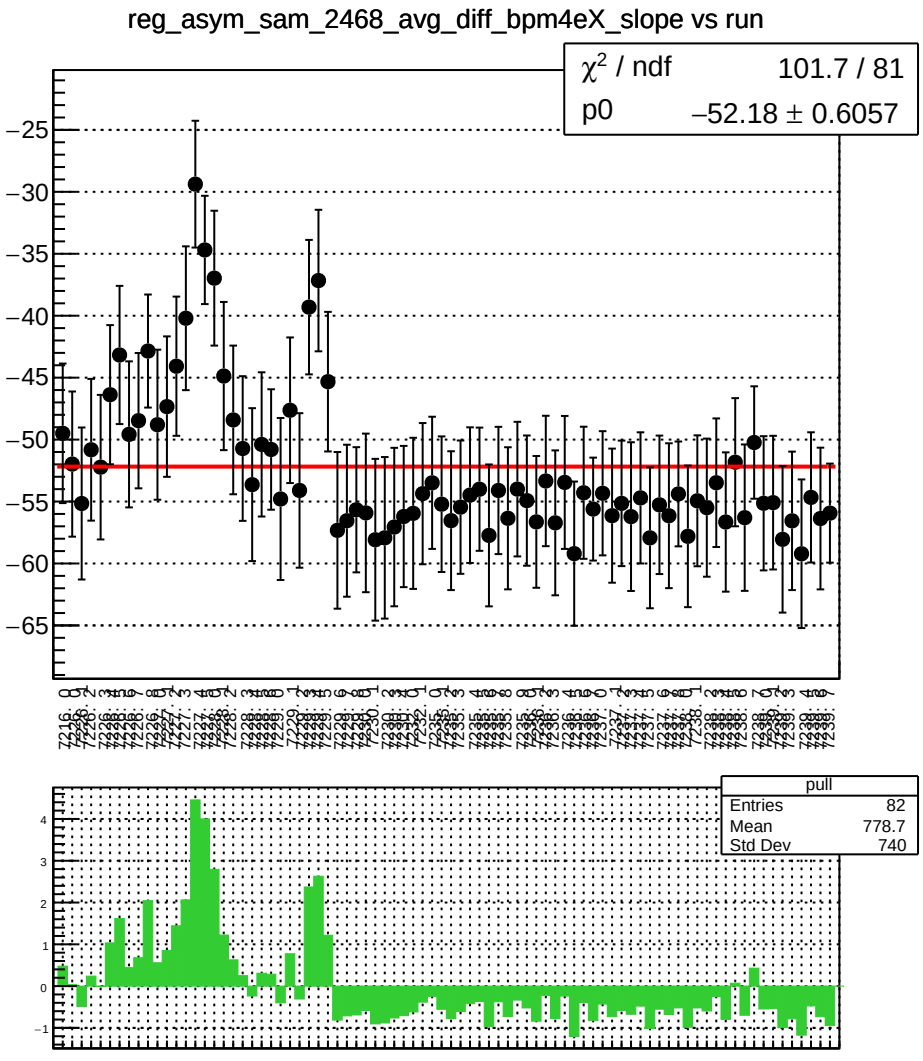

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 4.564 / 81
p0 0.1437 ± 0.01102
pull
Entries 82
Mean 825.6
Std Dev 786.9

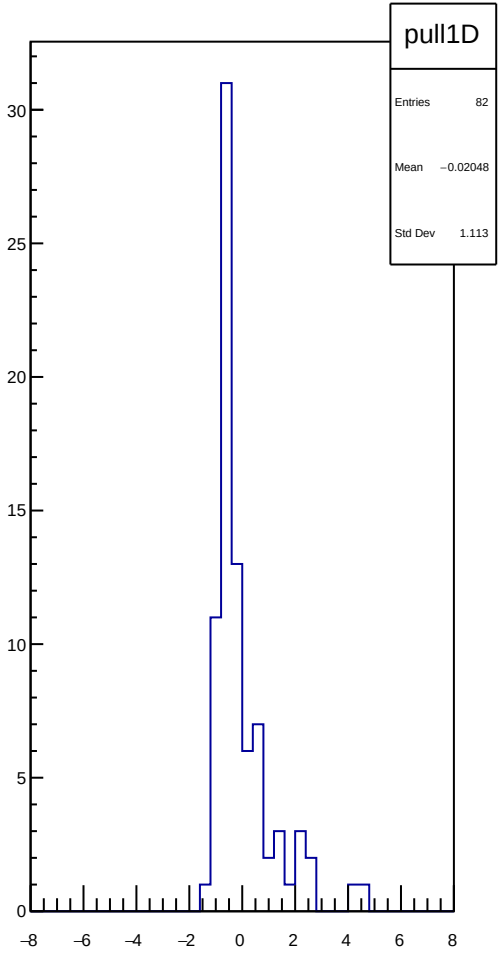

pull1D
Entries 82
Mean −0.002471
Std Dev 0.2359

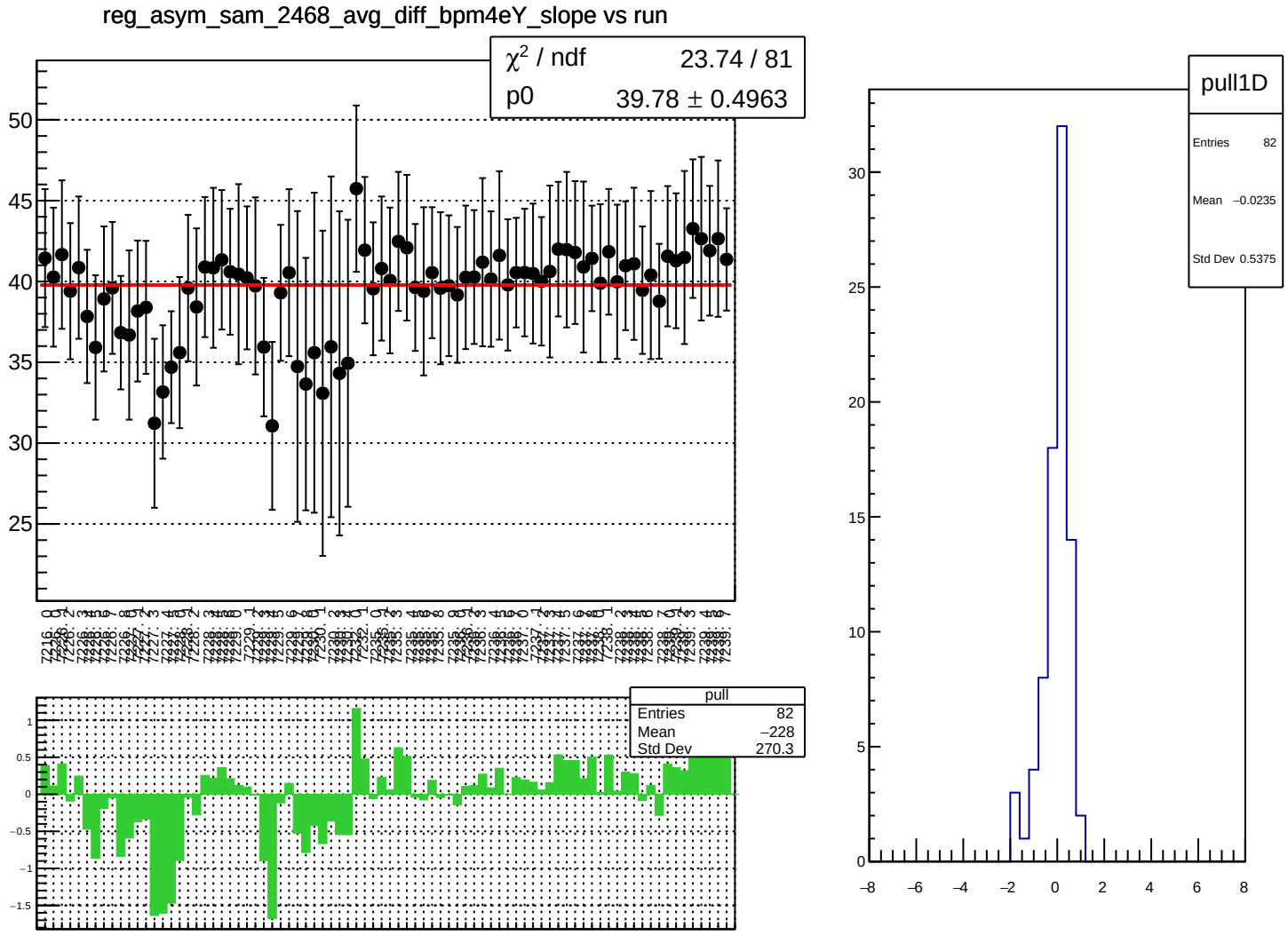

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 127.3 / 81
p0 −10.78 ± 0.5915
pull
Entries 82
Mean −1.629e+04
Std Dev 1.633e+04
pull1D
Entries 82
Mean −0.001087
Std Dev 1.246

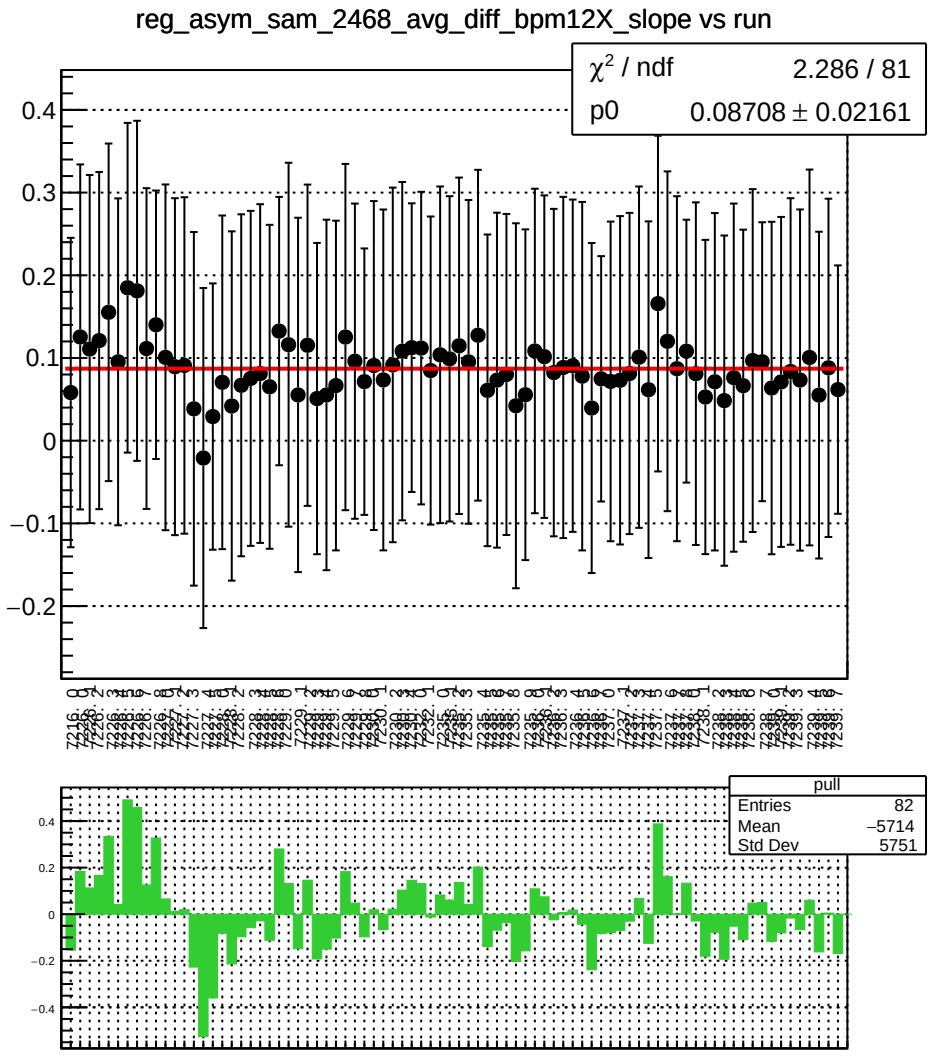

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.32 / 81
p0 −0.2933 ± 0.4511
pull
Entries 82
Mean −71.44
Std Dev 114.1

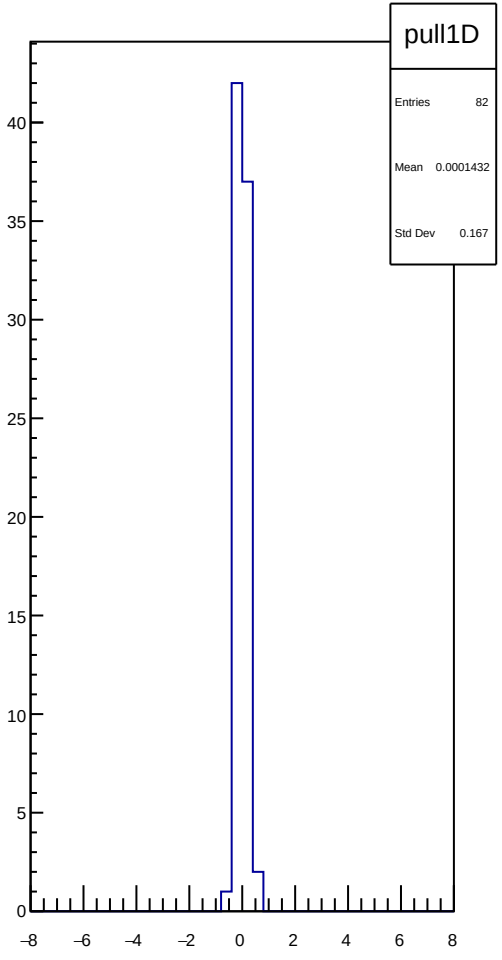

pull1D
Entries 82
Mean 0.04383
Std Dev 0.5648

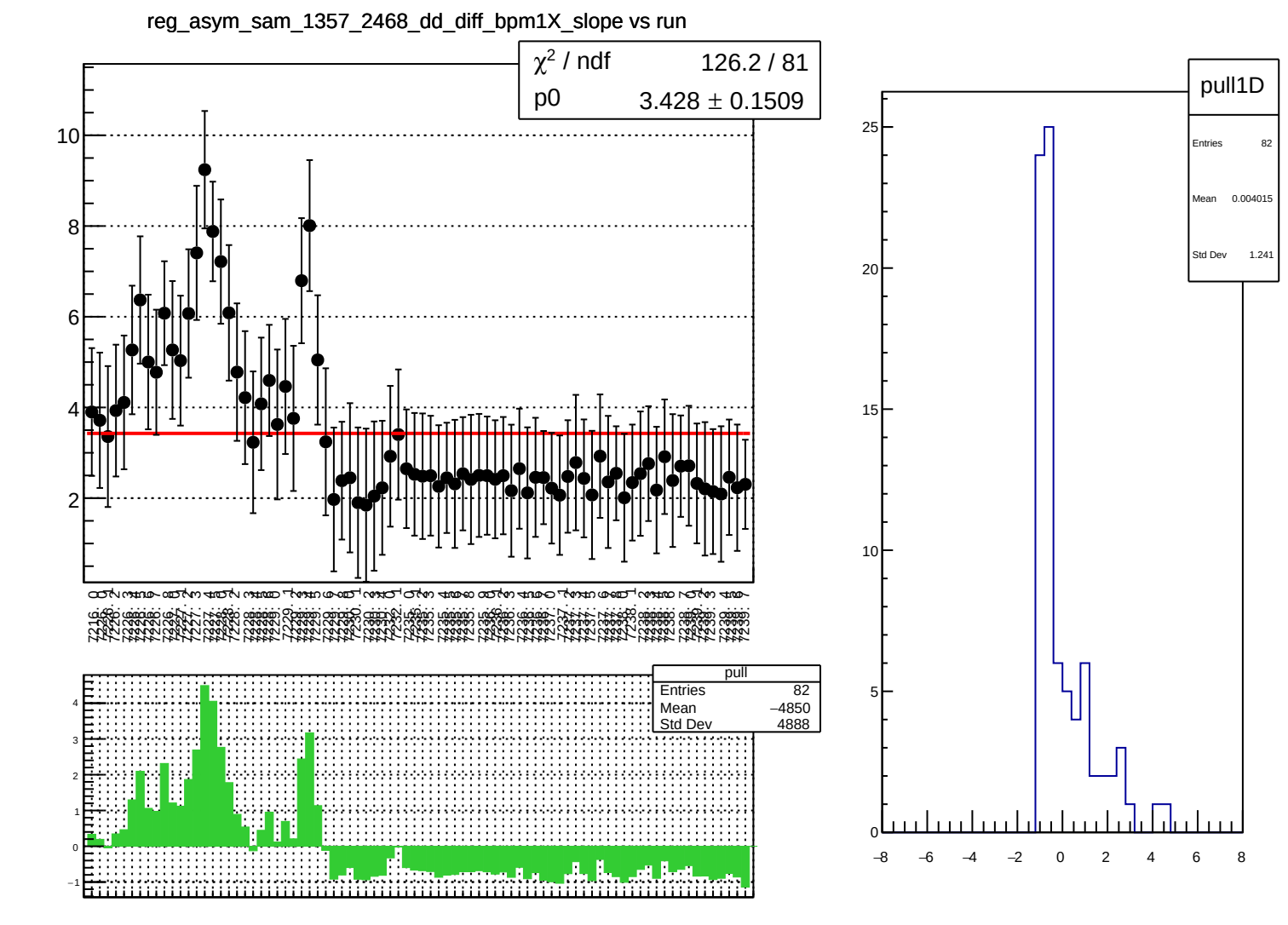

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 101.7 / 81
p0 −52.18 ± 0.6057
pull
Entries 82
Mean 778.7
Std Dev 740

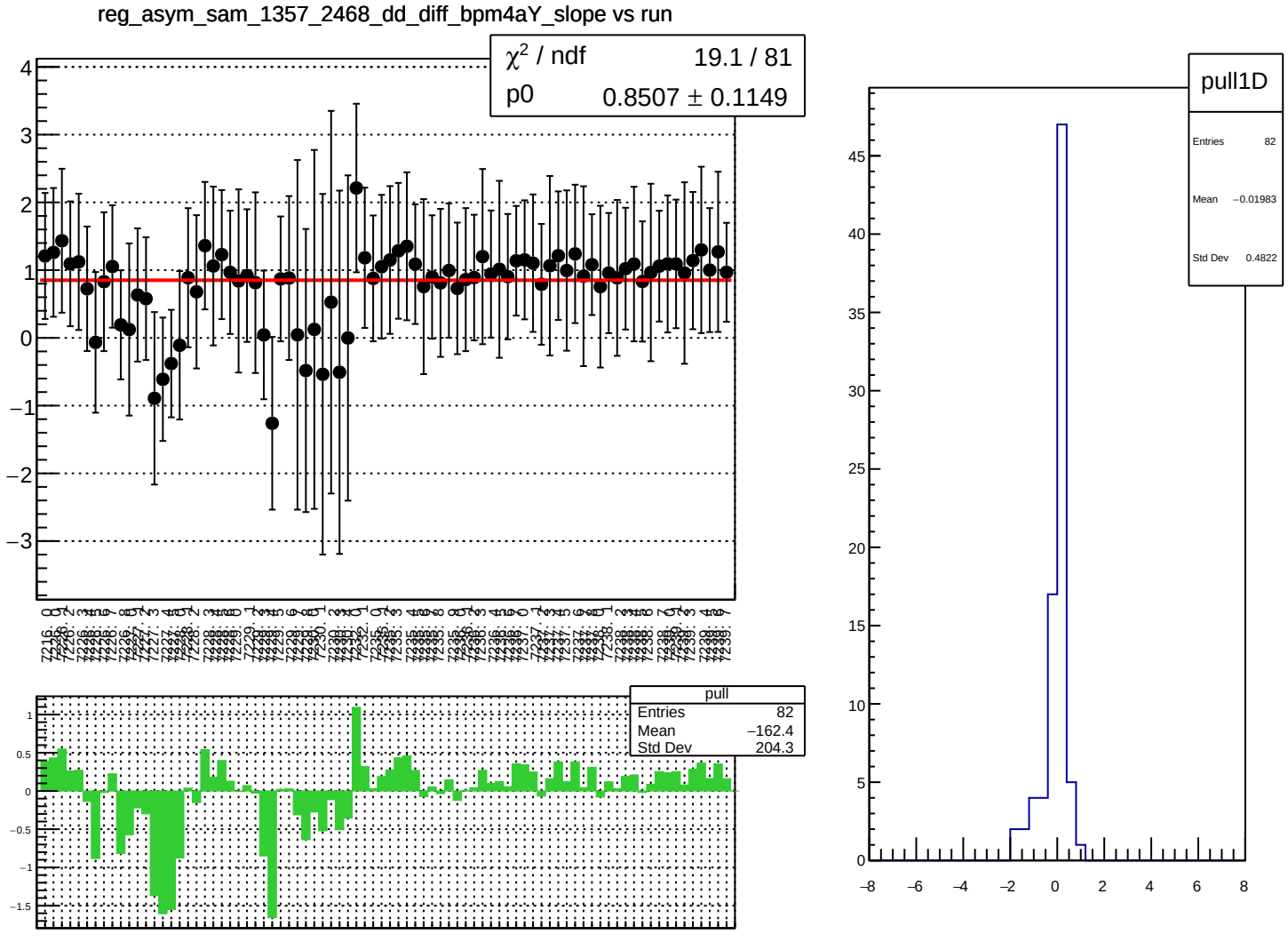

pull1D
Entries 82
Mean −0.02048
Std Dev 1.113

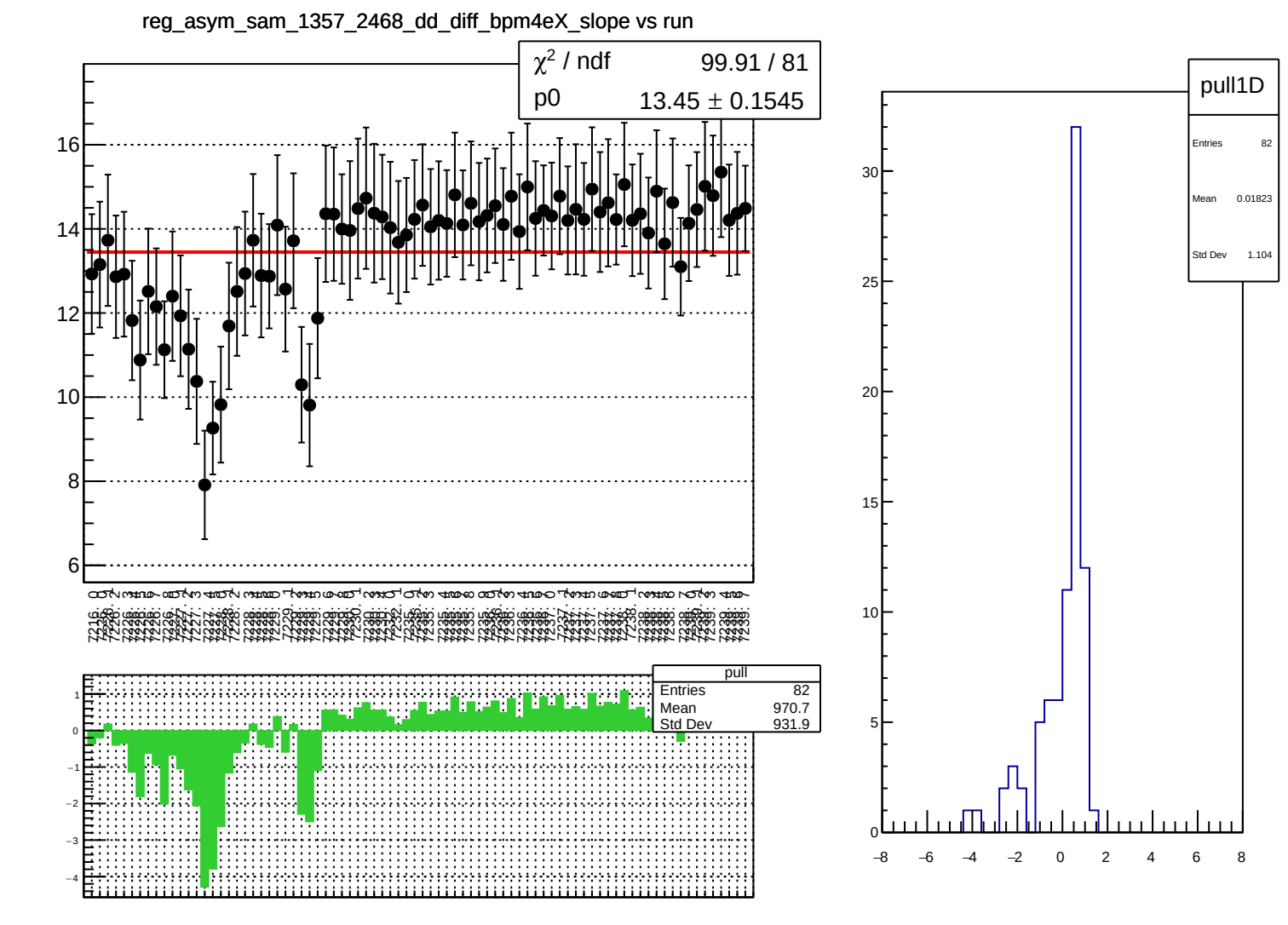

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.74 / 81
p0 39.78 ± 0.4963
pull
Entries 82
Mean −228
Std Dev 270.3
pull1D
Entries 82
Mean −0.0235
Std Dev 0.5375

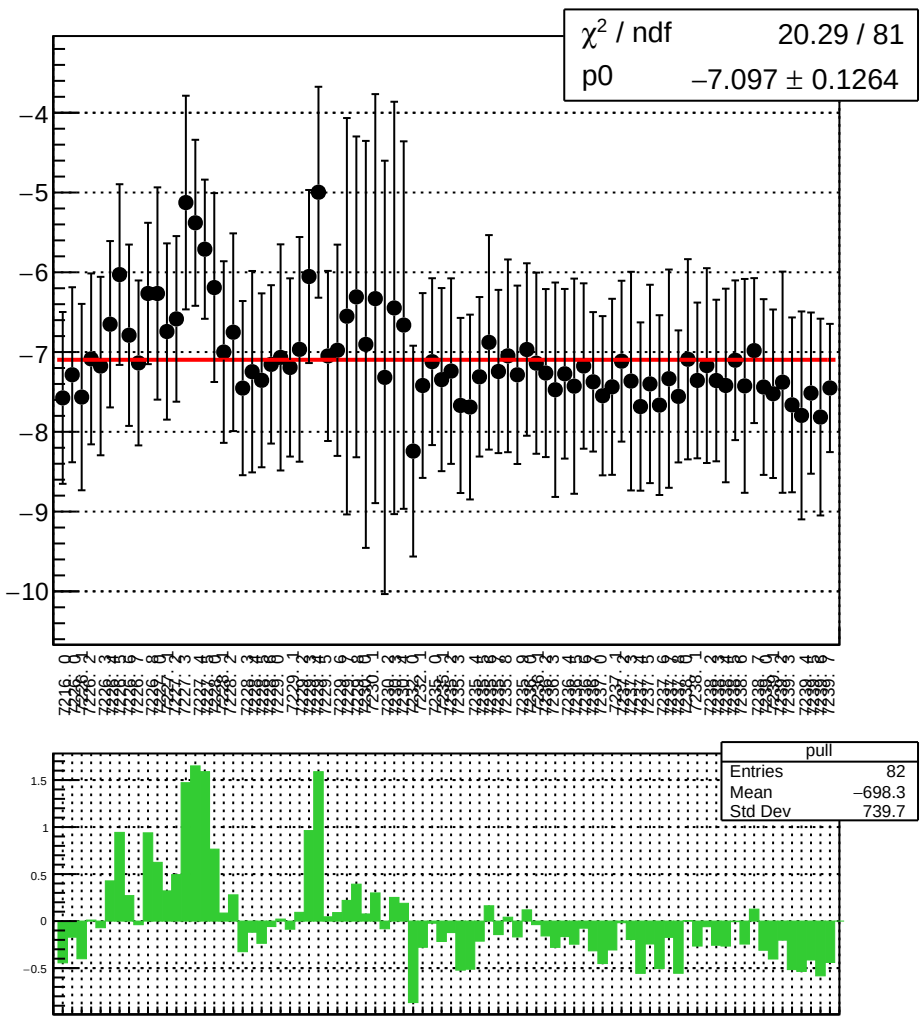

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.286 / 81
p0 0.08708 ± 0.02161
pull
Entries 82
Mean −5714
Std Dev 5751

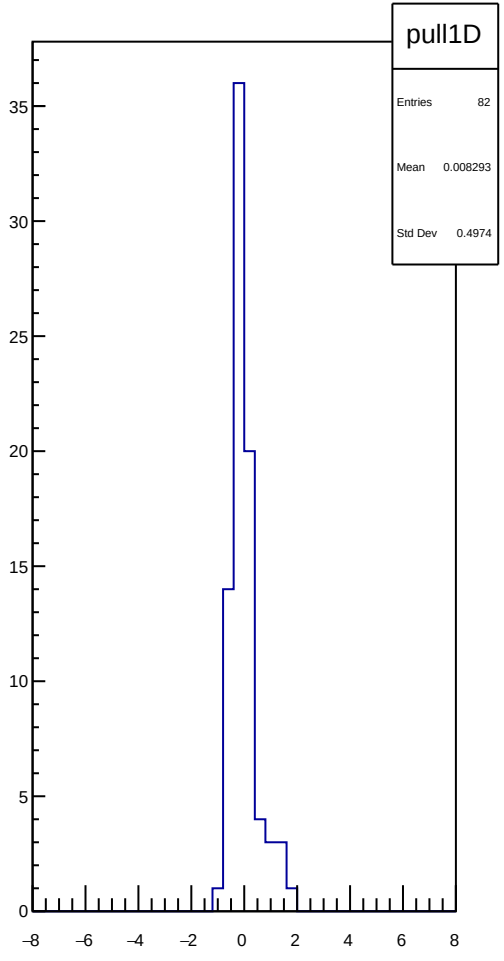

pull1D
Entries 82
Mean 0.0001432
Std Dev 0.167

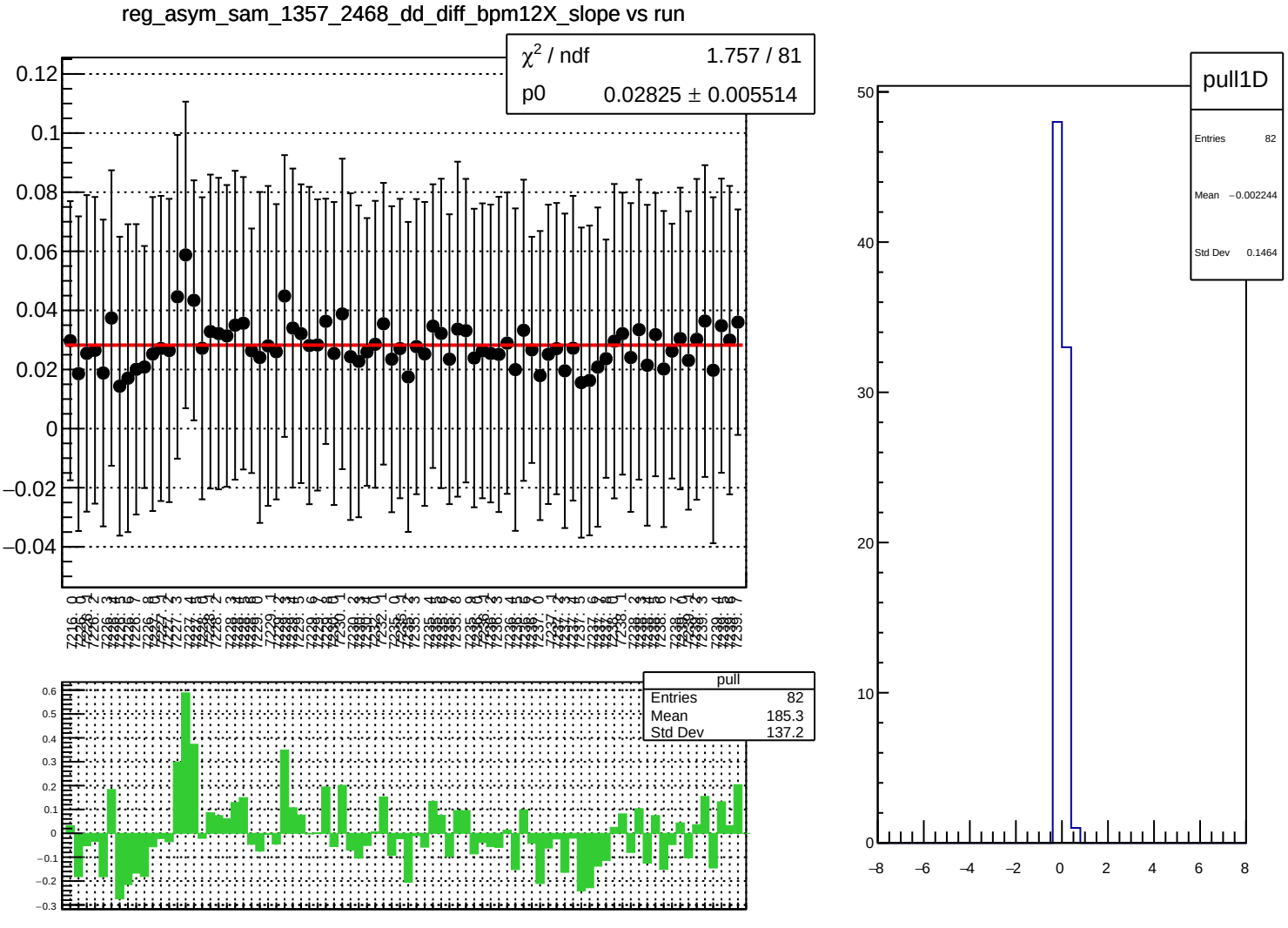

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 126.2 / 81
p0 3.428 ± 0.1509
pull
Entries 82
Mean −4850
Std Dev 4888
pull1D
Entries 82
Mean 0.004015
Std Dev 1.241

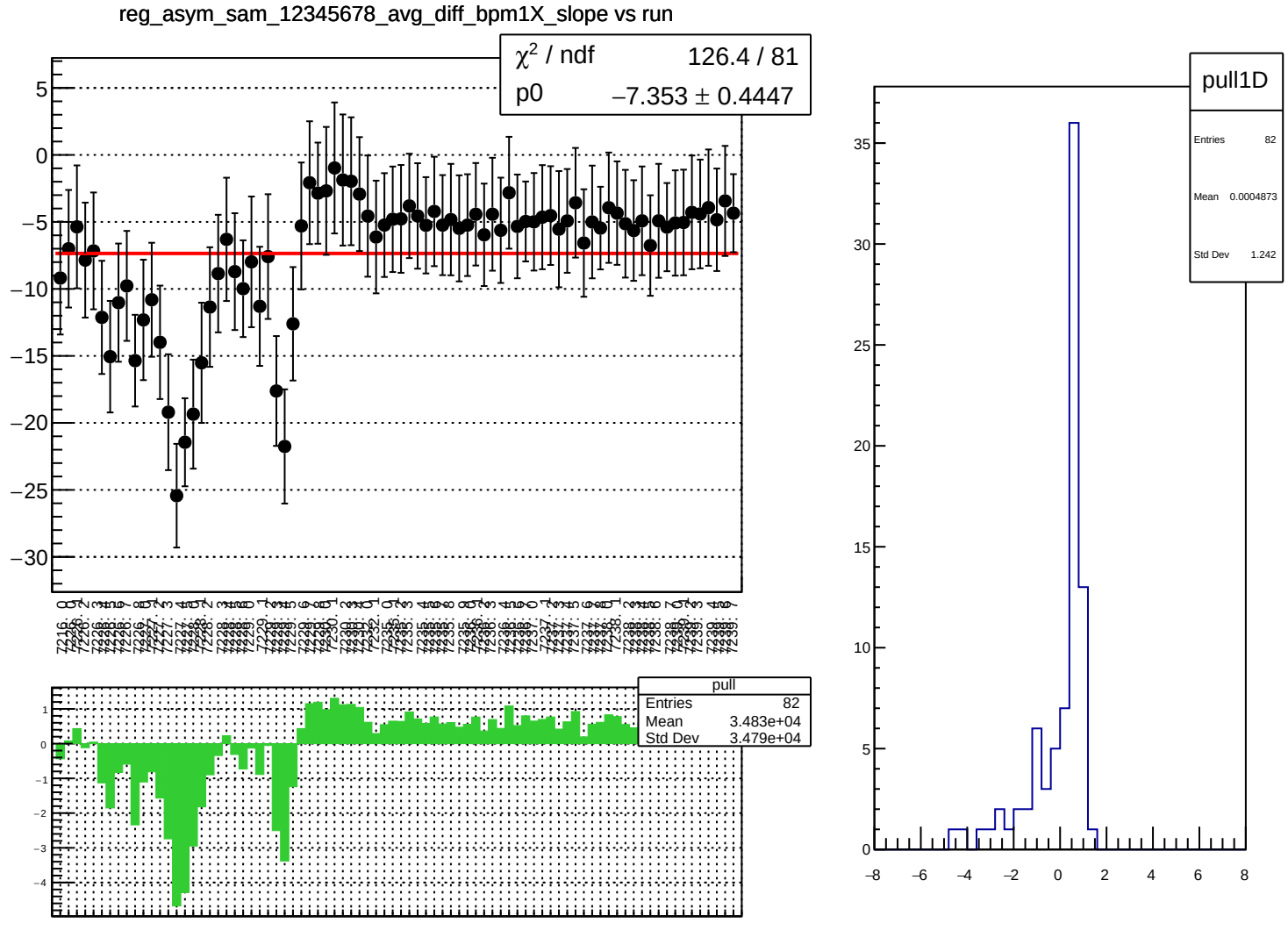

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.1 / 81
p0 0.8507 ± 0.1149
pull
Entries 82
Mean −162.4
Std Dev 204.3
pull1D
Entries 82
Mean −0.01983
Std Dev 0.4822

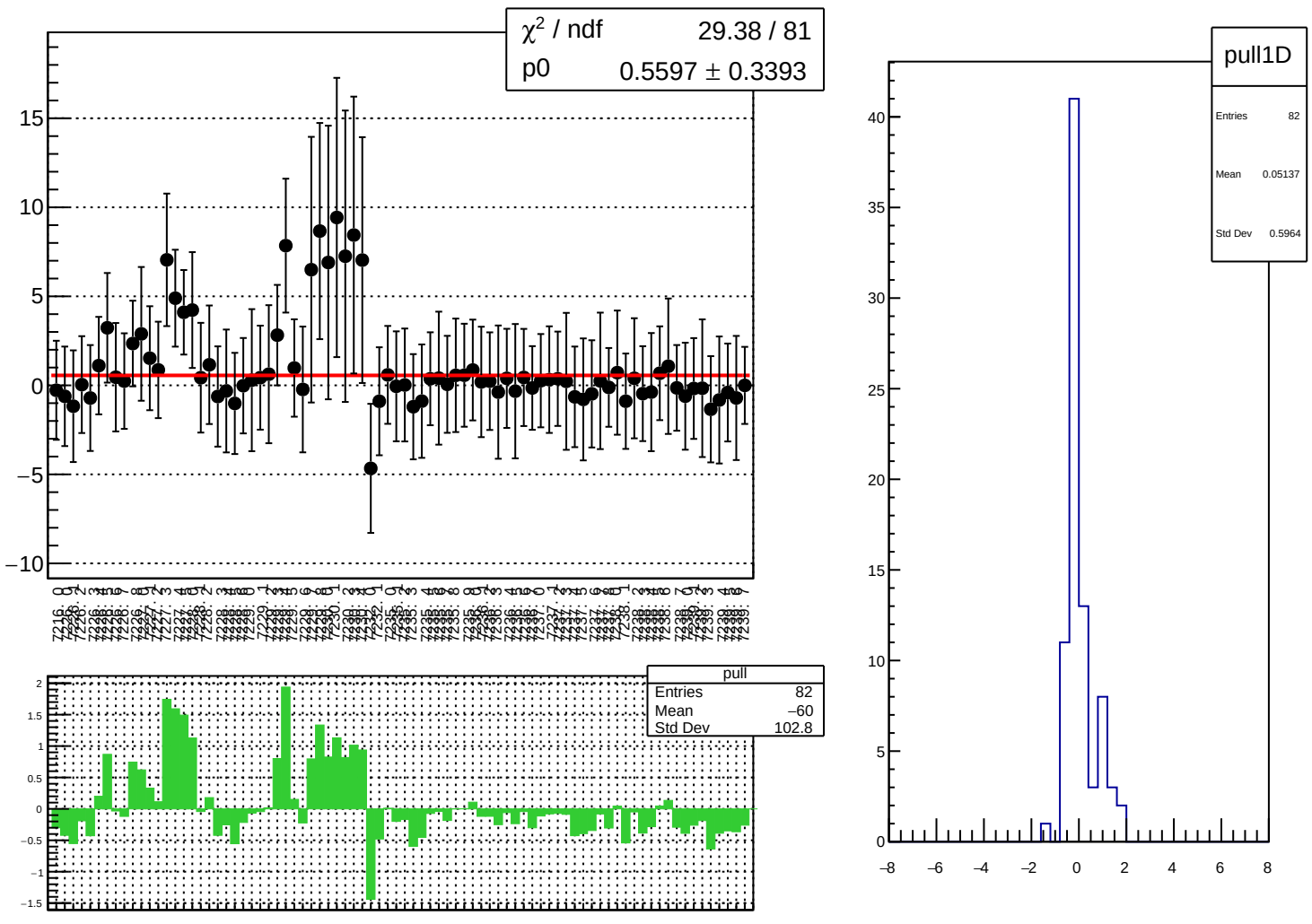

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 99.91 / 81
p0 13.45 ± 0.1545
pull
Entries 82
Mean 970.7
Std Dev 931.9
pull1D
Entries 82
Mean 0.01823
Std Dev 1.104

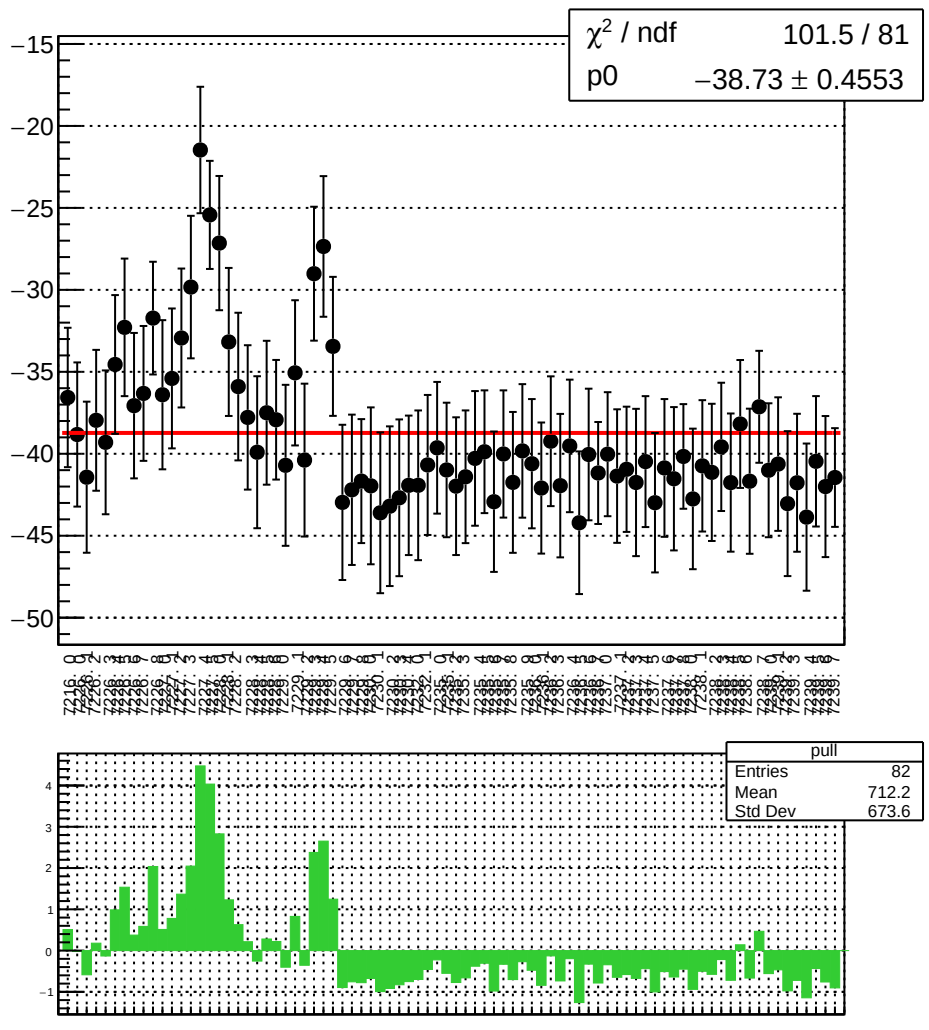

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.29 / 81
p0 −7.097 ± 0.1264
pull
Entries 82
Mean −698.3
Std Dev 739.7

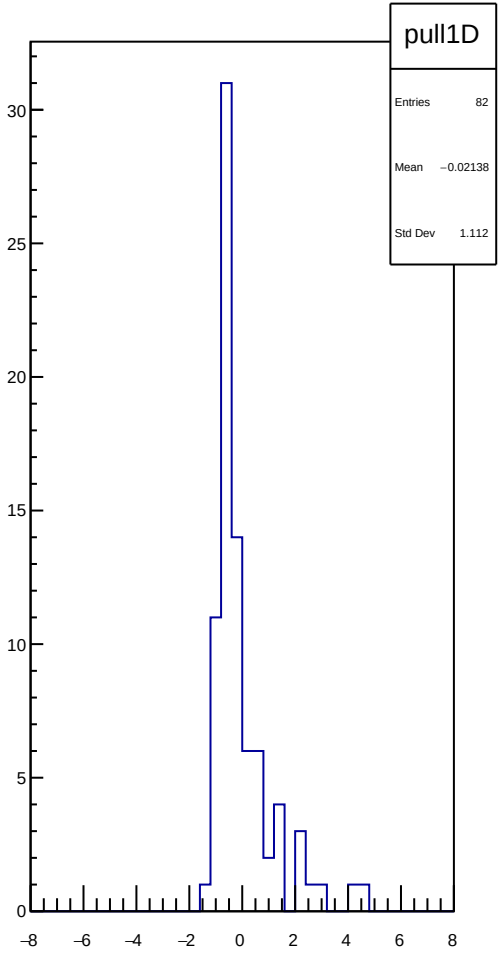

pull1D
Entries 82
Mean 0.008293
Std Dev 0.4974

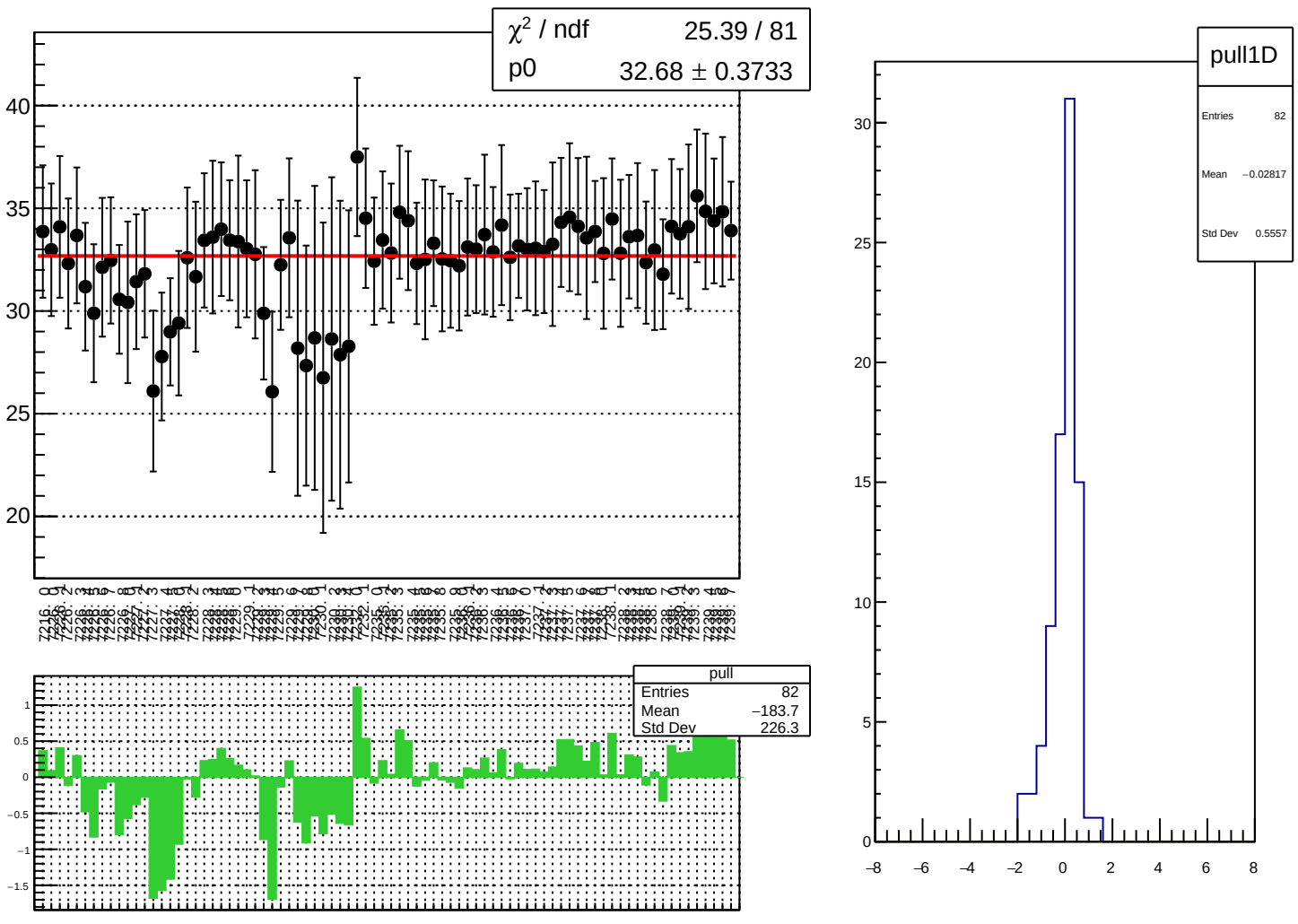

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.757 / 81
p0 0.02825 ± 0.005514
pull
Entries 82
Mean 185.3
Std Dev 137.2
pull1D
Entries 82
Mean −0.002244
Std Dev 0.1464

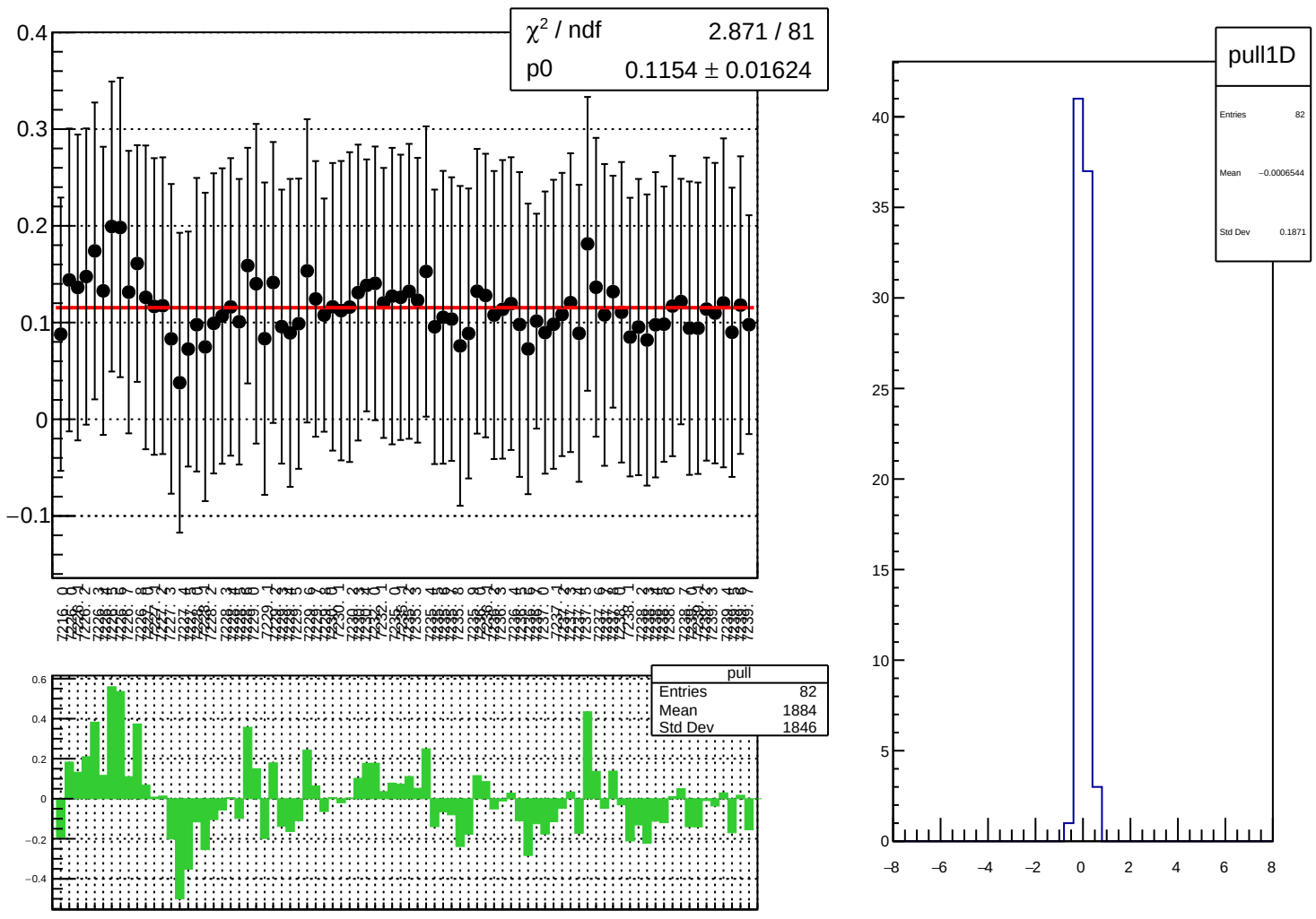

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 126.4 / 81
p0 −7.353 ± 0.4447
pull
Entries 82
Mean 3.483e+04
Std Dev 3.479e+04
pull1D
Entries 82
Mean 0.0004873
Std Dev 1.242

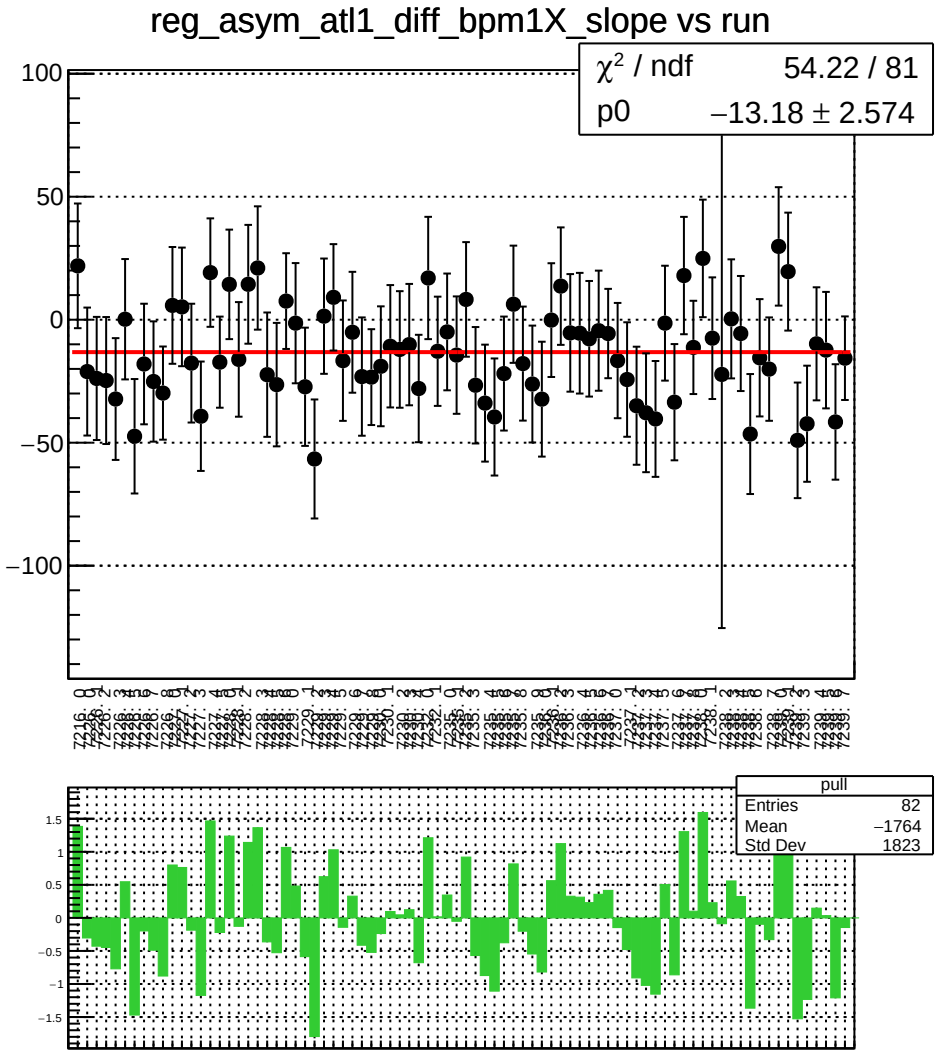

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.38 / 81
p0 0.5597 ± 0.3393
pull
Entries 82
Mean −60
Std Dev 102.8
pull1D
Entries 82
Mean 0.05137
Std Dev 0.5964

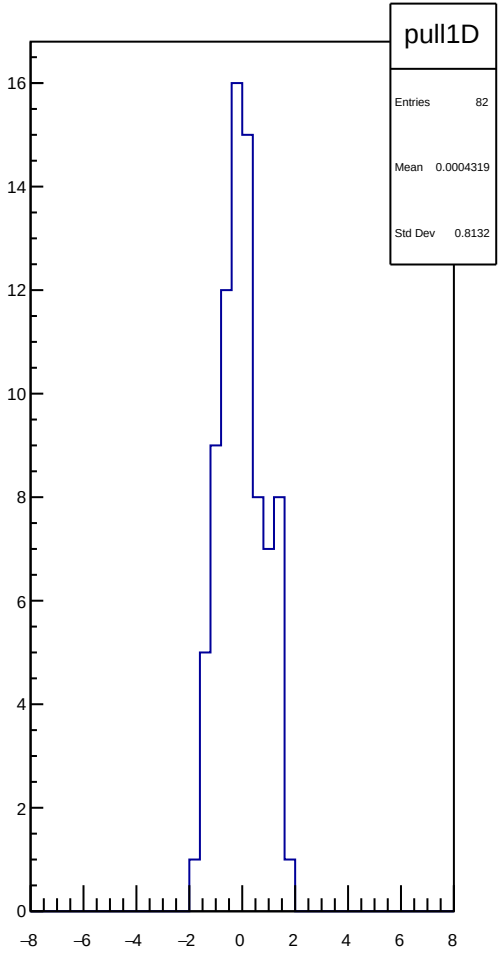

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 101.5 / 81
p0 −38.73 ± 0.4553
pull
Entries 82
Mean 712.2
Std Dev 673.6

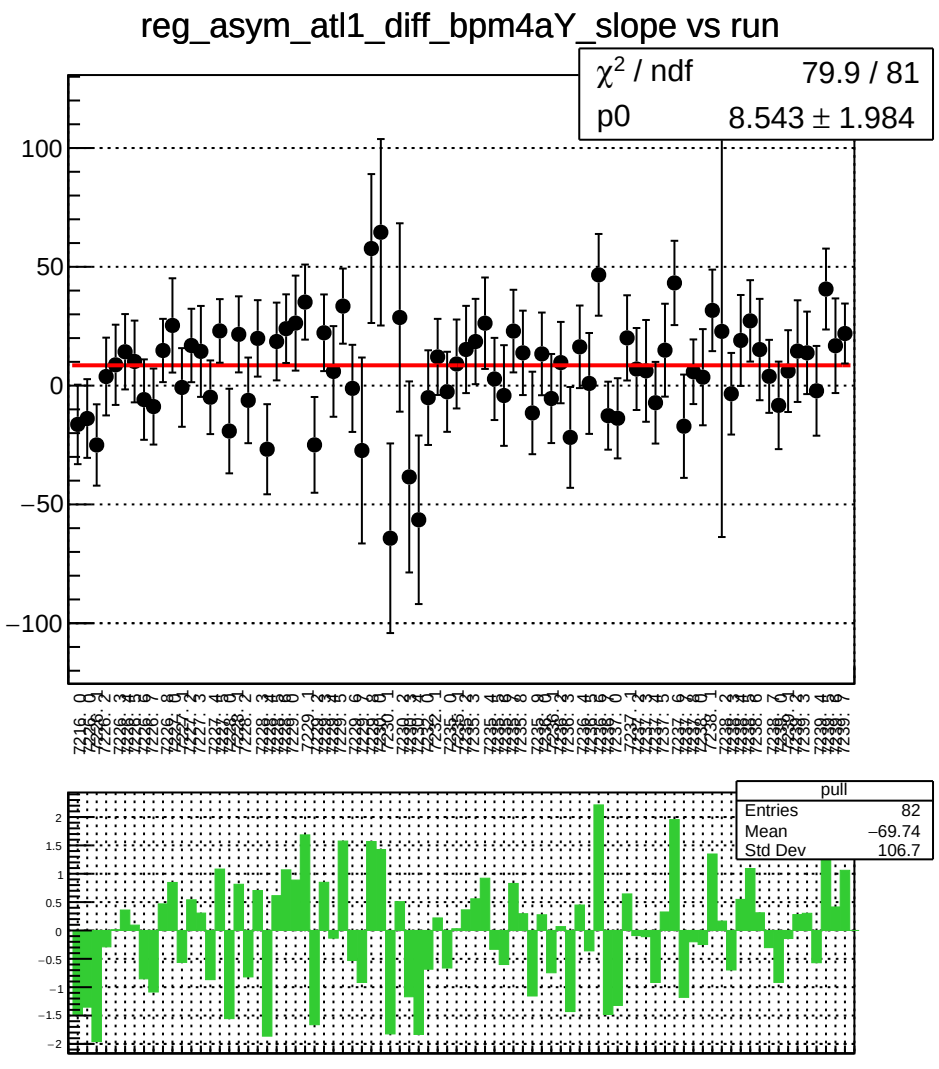

pull1D
Entries 82
Mean −0.02138
Std Dev 1.112

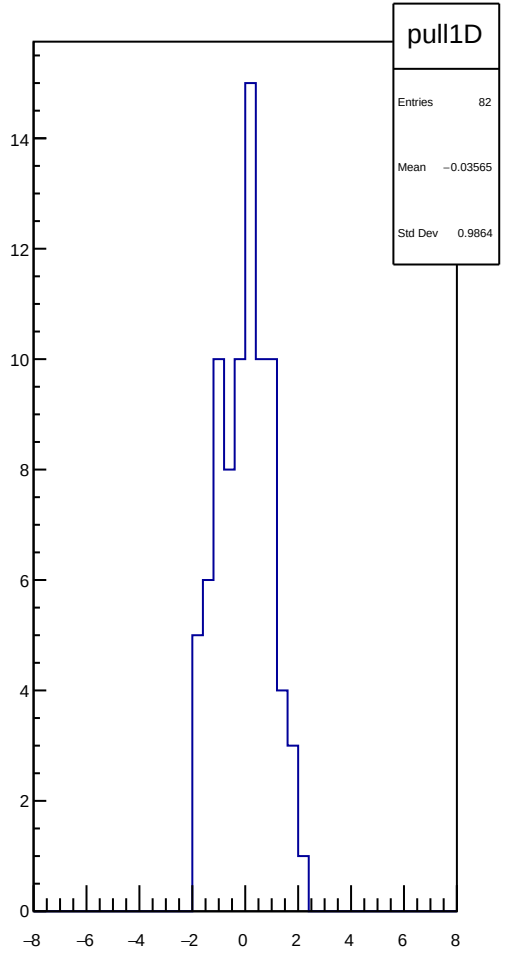

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.39 / 81
p0 32.68 ± 0.3733
pull
Entries 82
Mean −183.7
Std Dev 226.3
pull1D
Entries 82
Mean −0.02817
Std Dev 0.5557

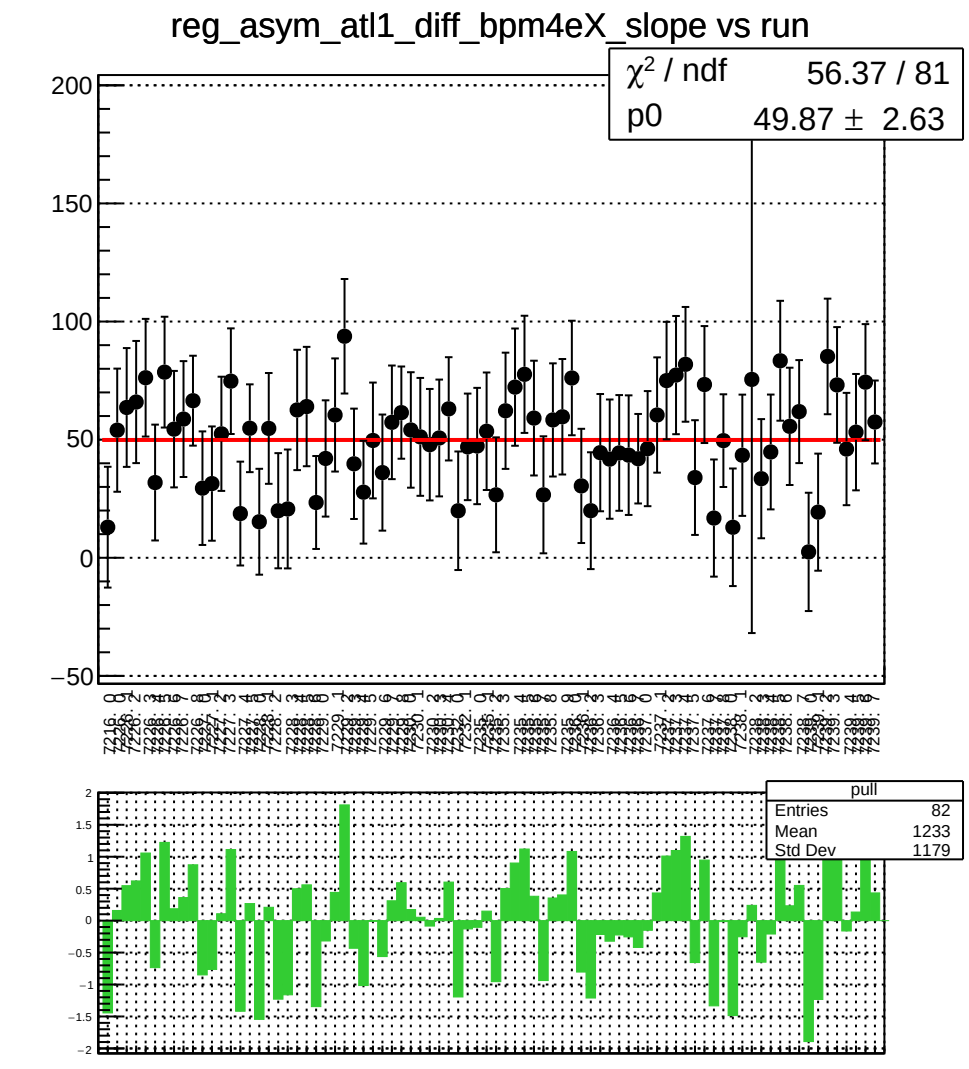

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.871 / 81
p0 0.1154 ± 0.01624
pull
Entries 82
Mean 1884
Std Dev 1846
pull1D
Entries 82
Mean −0.0006544
Std Dev 0.1871

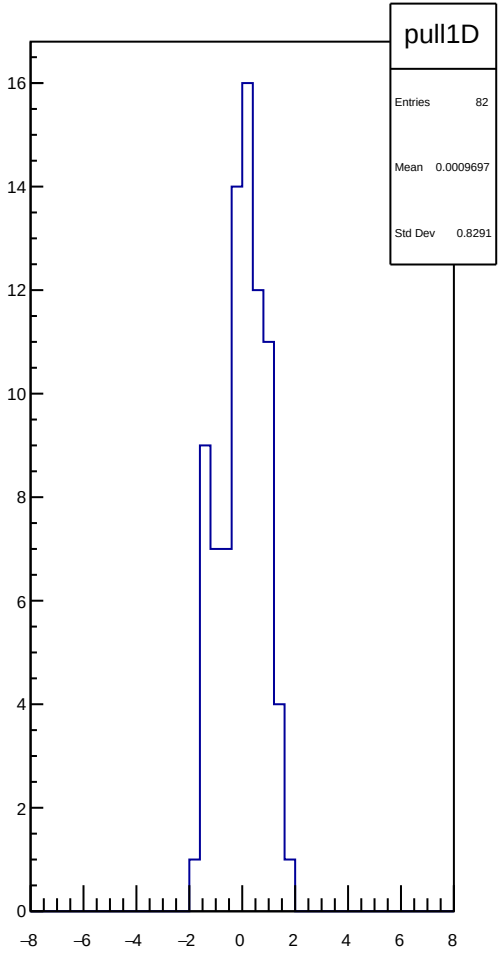

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 54.22 / 81
p0 −13.18 ± 2.574
pull
Entries 82
Mean −1764
Std Dev 1823

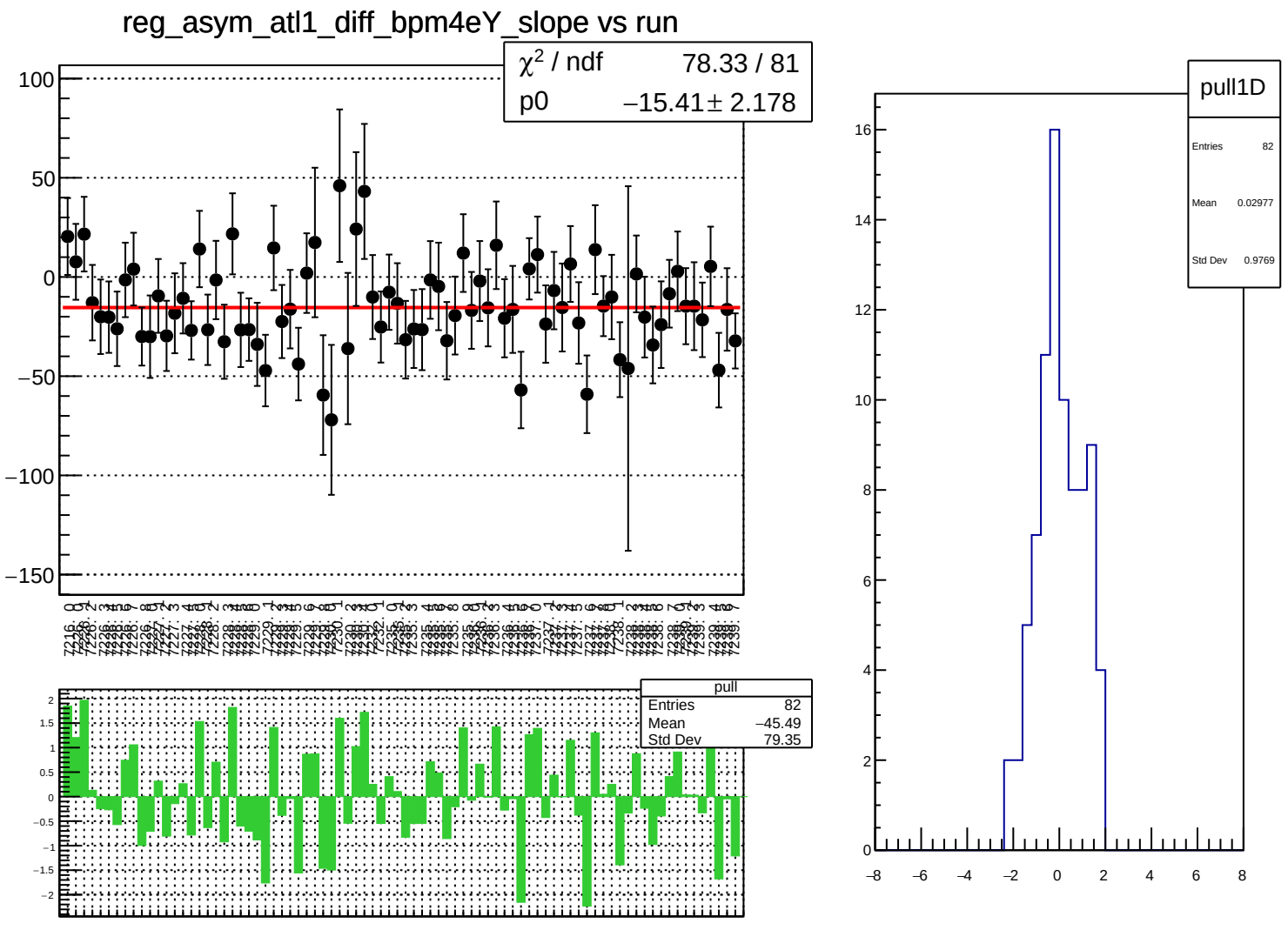

pull1D
Entries 82
Mean 0.0004319
Std Dev 0.8132

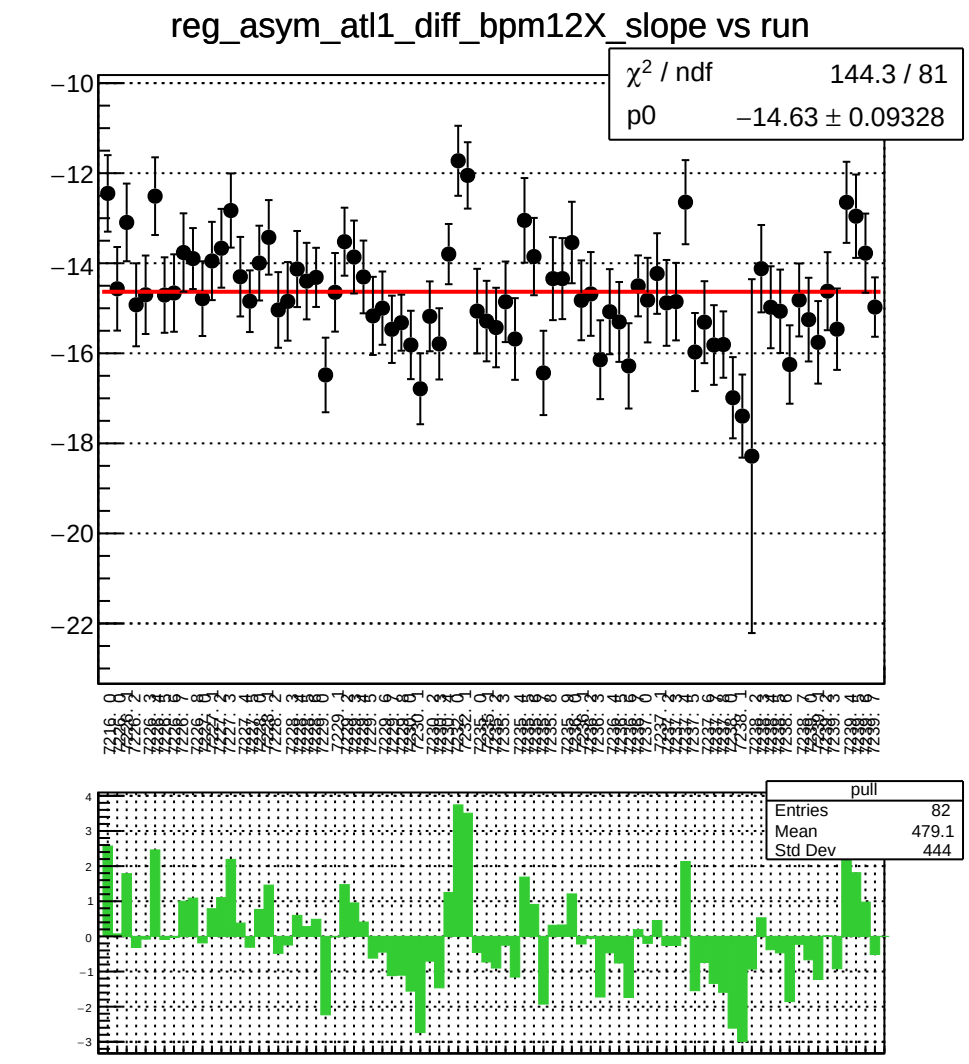

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 79.9 / 81
p0 8.543 ± 1.984
100
50
0
−50
−100
pull
Entries 82
Mean −69.74
Std Dev 106.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

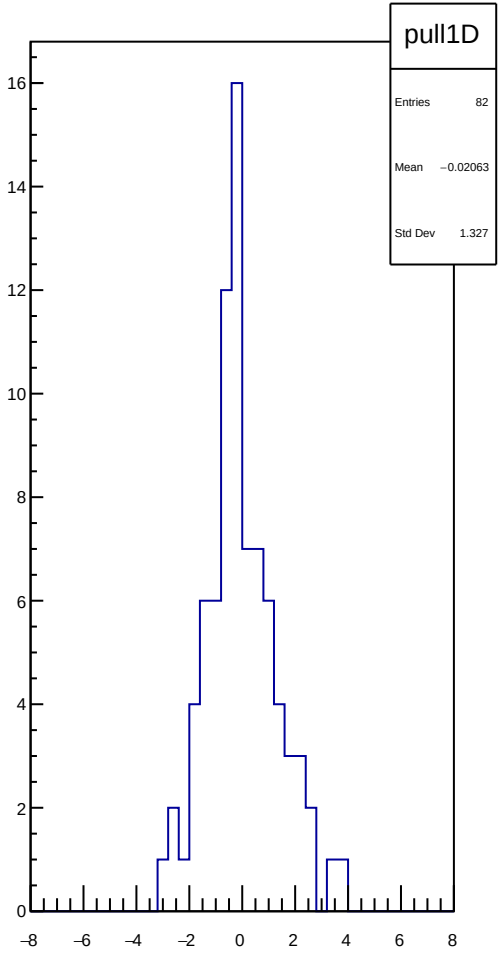

pull1D
Entries 82
Mean −0.03565
Std Dev 0.9864
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

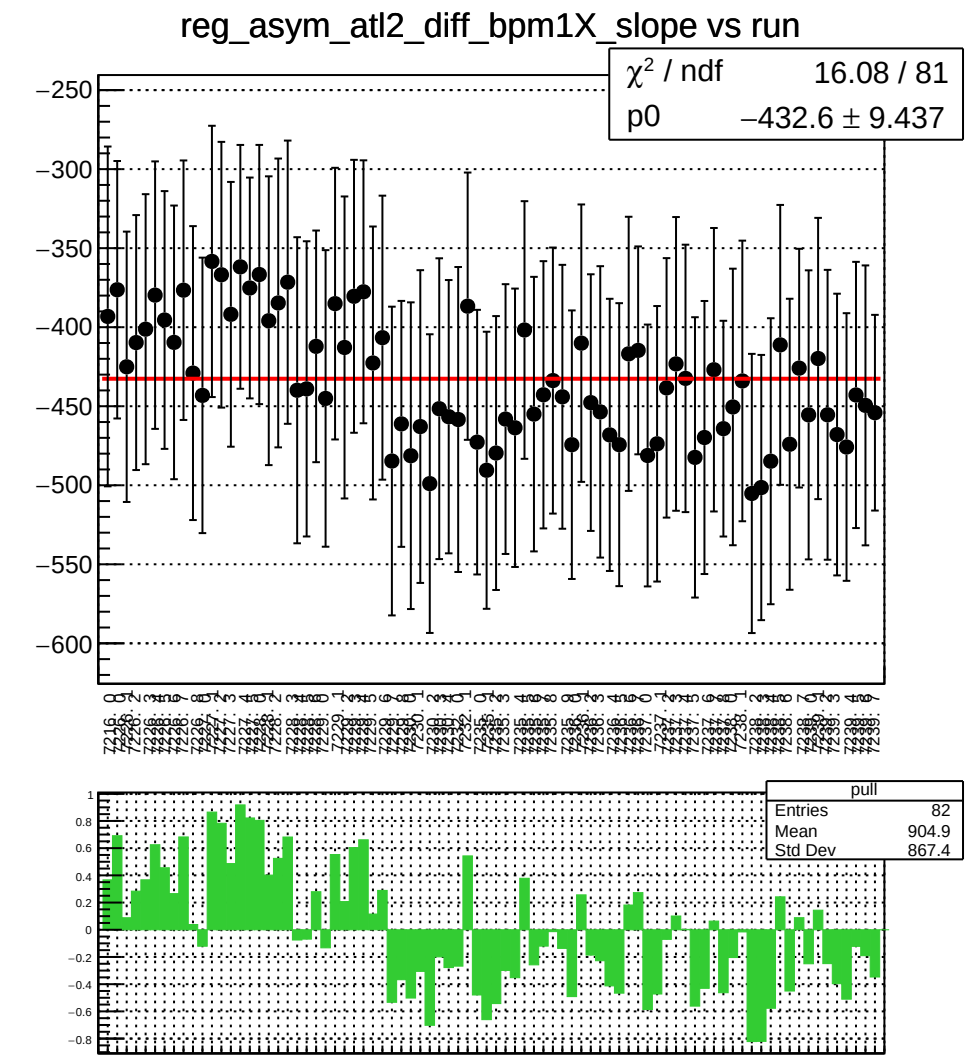

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 56.37 / 81
p0 49.87 ± 2.63
pull
Entries 82
Mean 1233
Std Dev 1179

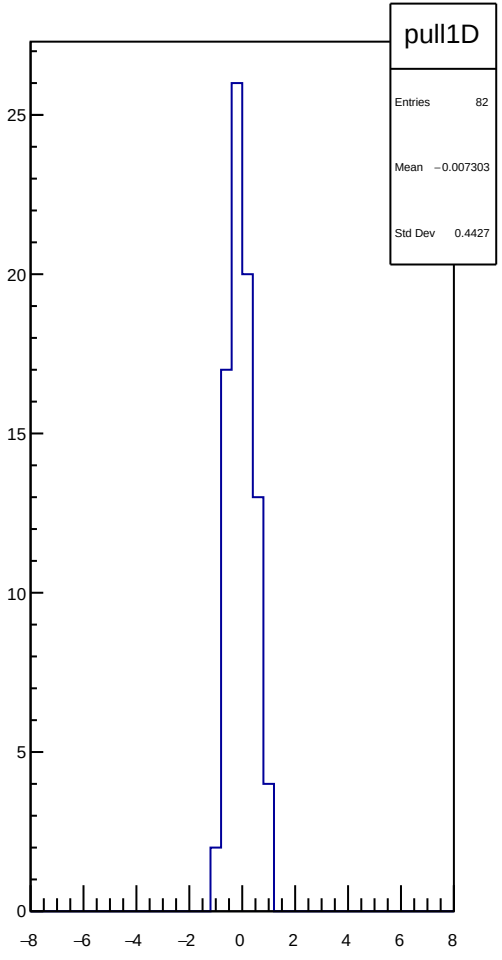

pull1D
Entries 82
Mean 0.0009697
Std Dev 0.8291

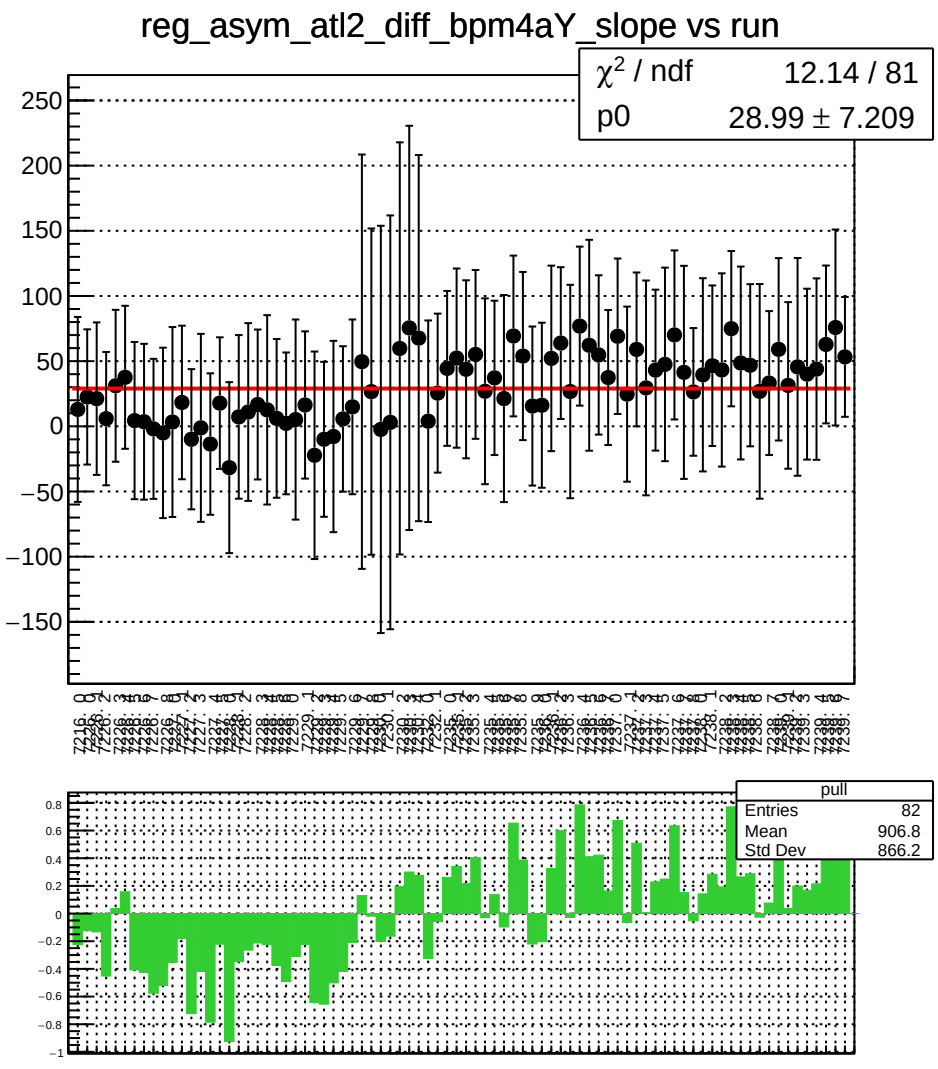

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 78.33 / 81
p0 −15.41 ± 2.178
pull
Entries 82
Mean −45.49
Std Dev 79.35
pull1D
Entries 82
Mean 0.02977
Std Dev 0.9769

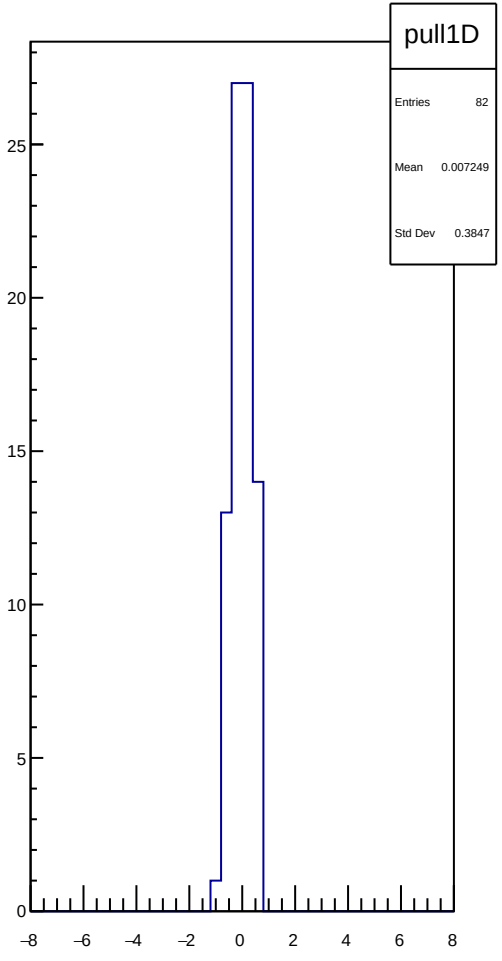

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 144.3 / 81
p0 −14.63 ± 0.09328
pull
Entries 82
Mean 479.1
Std Dev 444

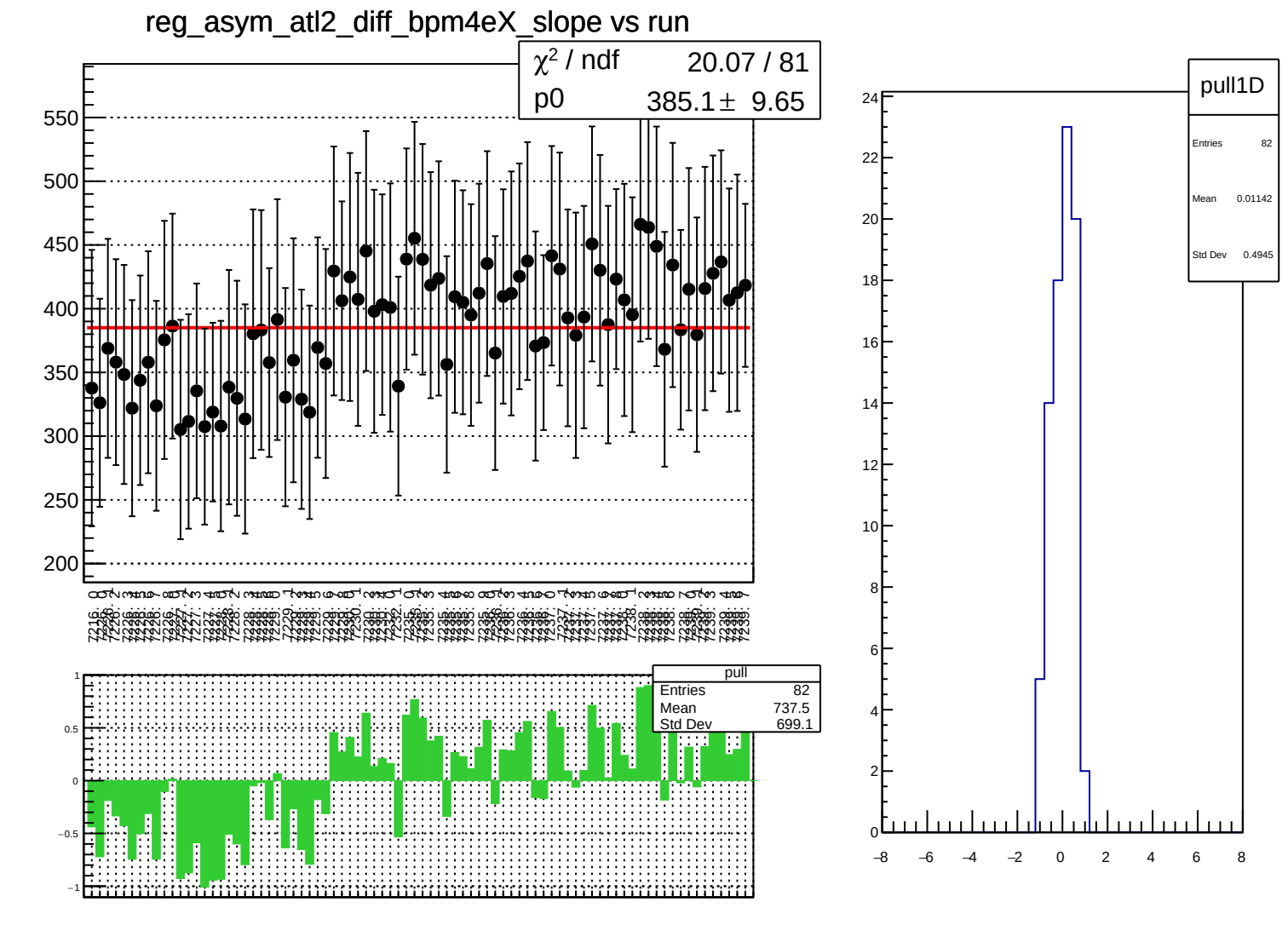

pull1D
Entries 82
Mean −0.02063
Std Dev 1.327

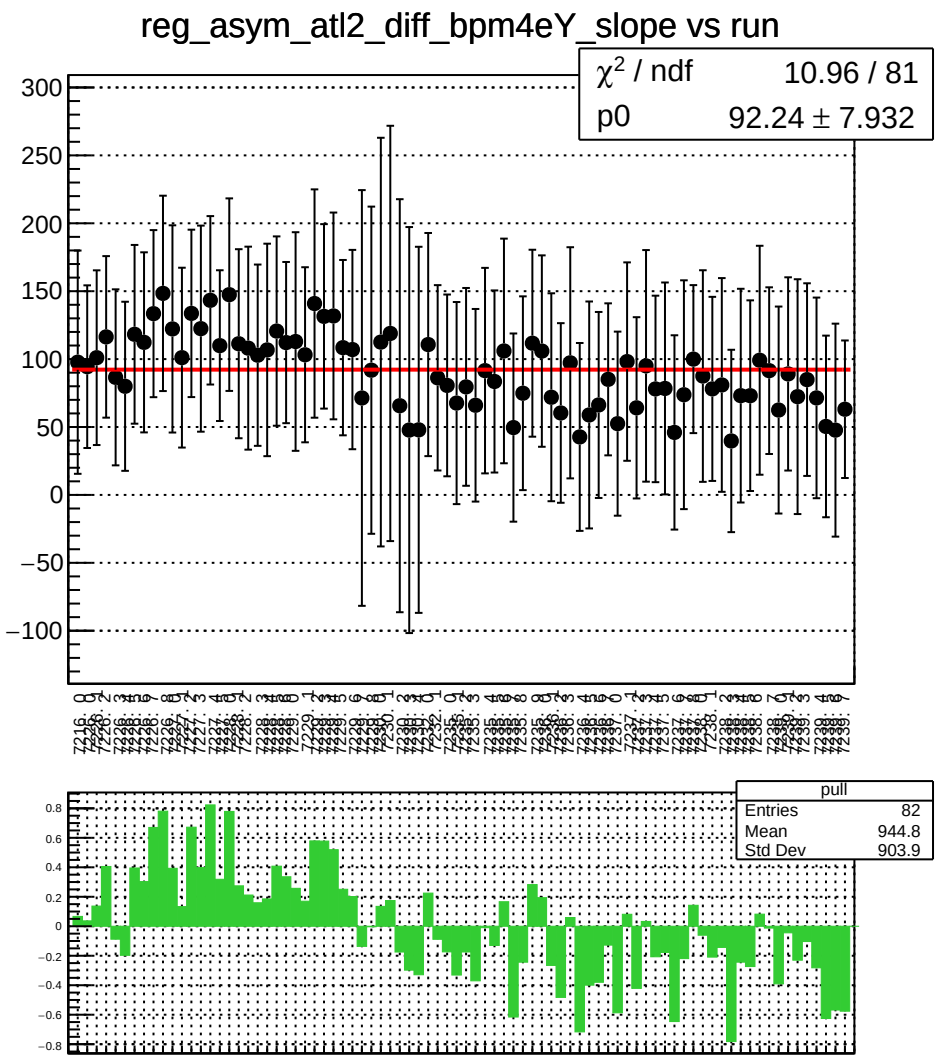

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 16.08 / 81
p0 −432.6 ± 9.437
pull
Entries 82
Mean 904.9
Std Dev 867.4

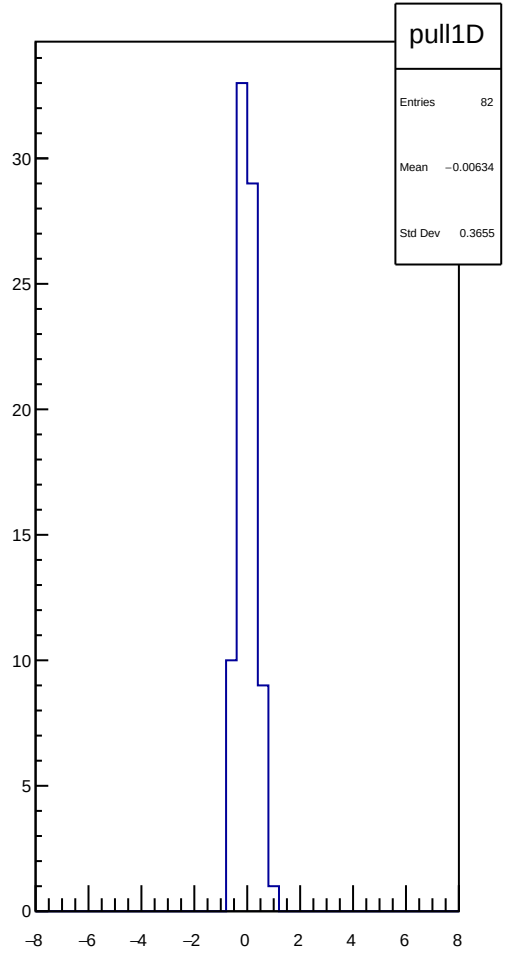

pull1D
Entries 82
Mean −0.007303
Std Dev 0.4427

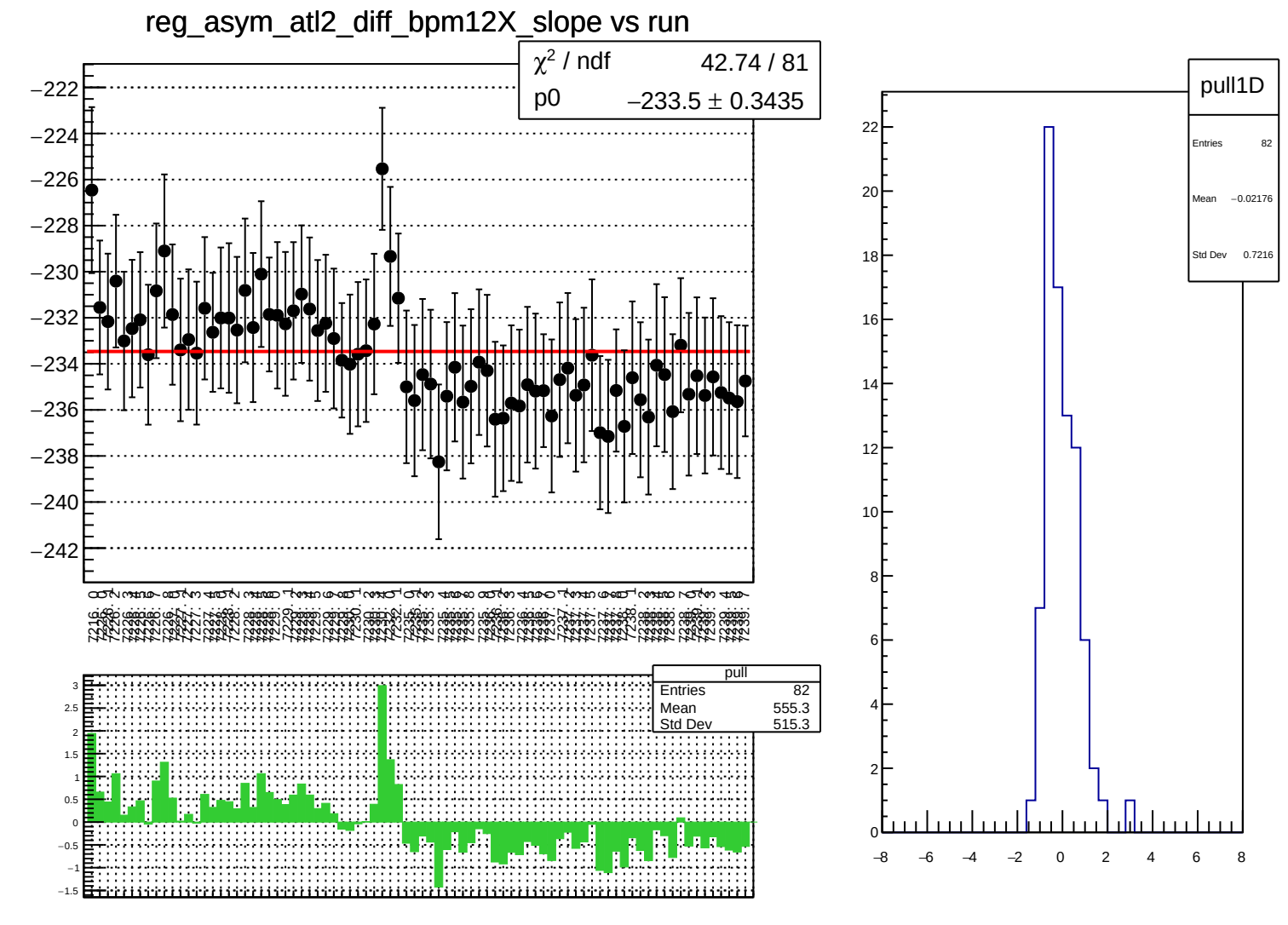

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 12.14 / 81
p0 28.99 ± 7.209
pull
Entries 82
Mean 906.8
Std Dev 866.2

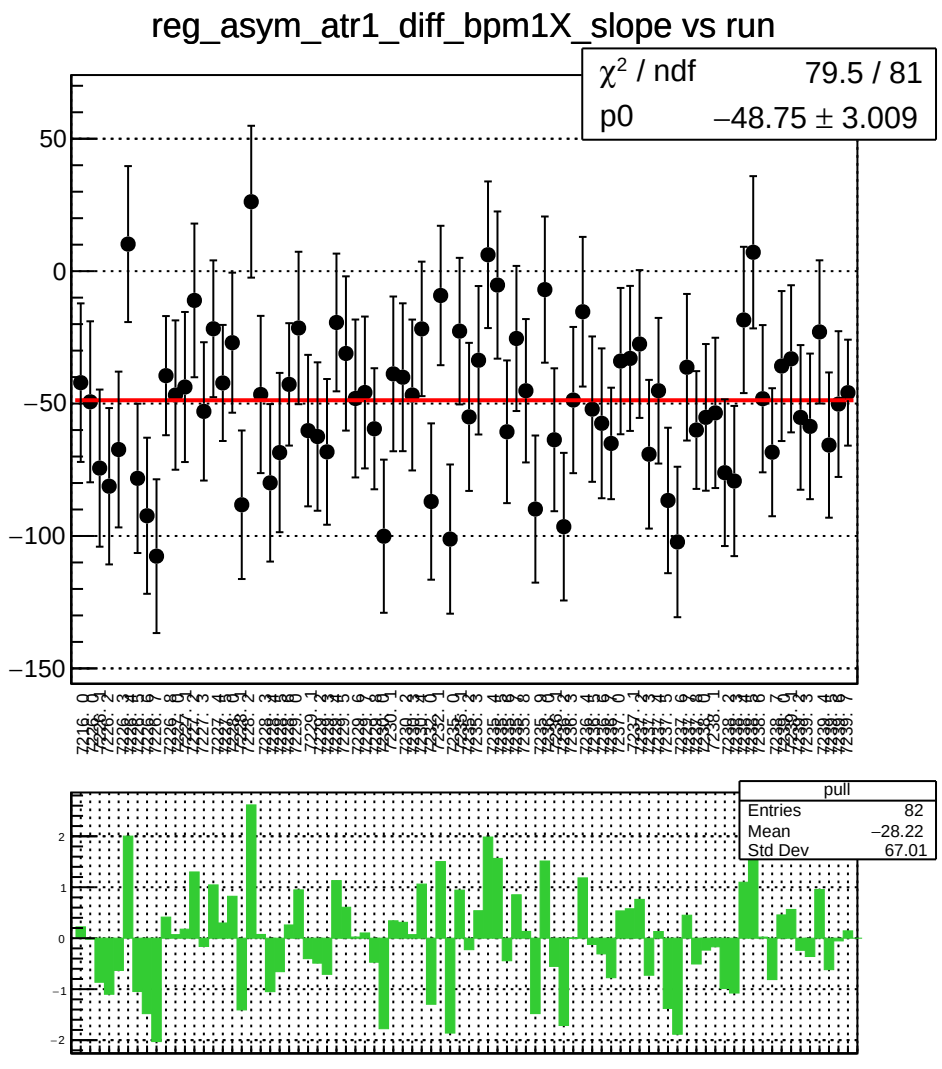

pull1D
Entries 82
Mean 0.007249
Std Dev 0.3847

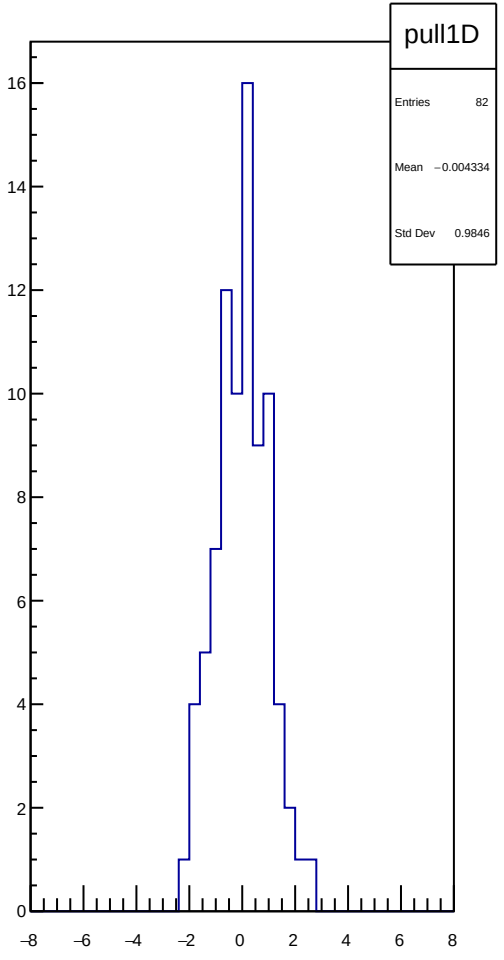

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 20.07 / 81
p0 385.1 ± 9.65
pull
Entries 82
Mean 737.5
Std Dev 699.1
pull1D
Entries 82
Mean 0.01142
Std Dev 0.4945

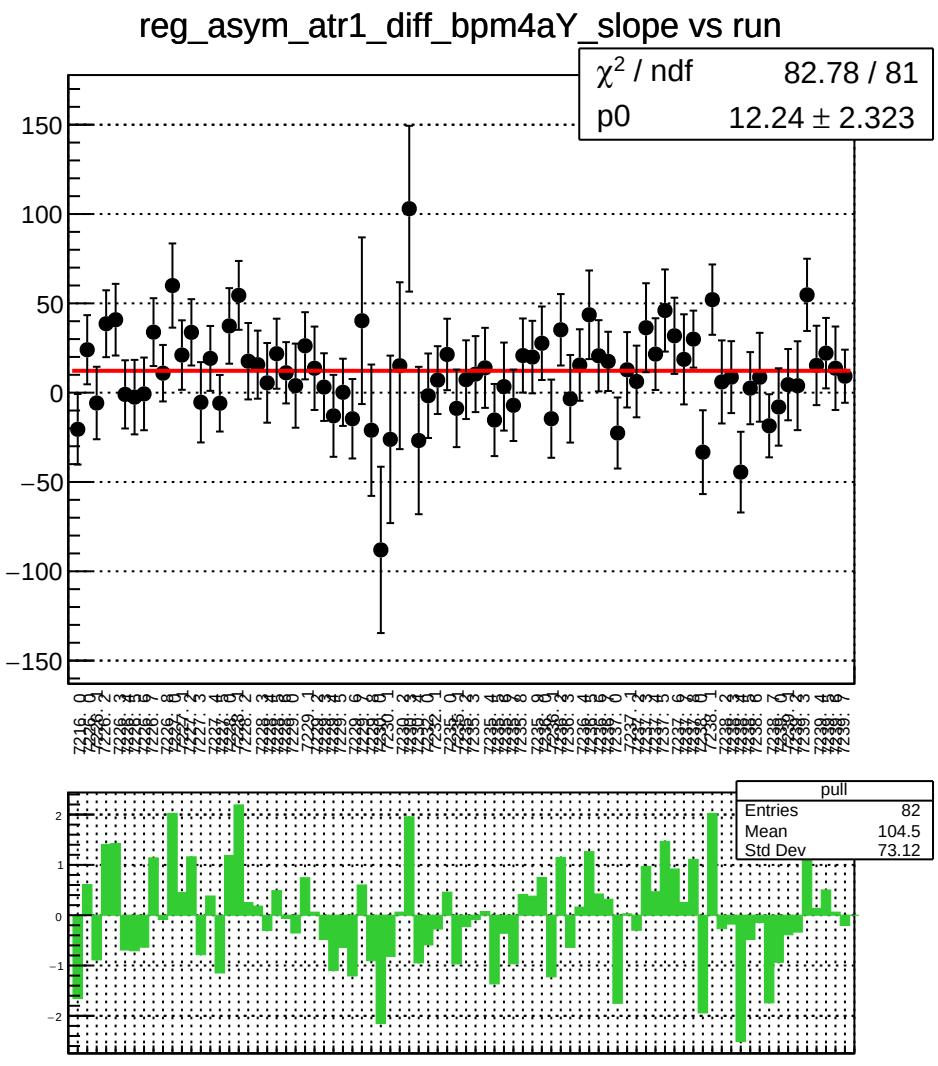

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 10.96 / 81
p0 92.24 ± 7.932
pull
Entries 82
Mean 944.8
Std Dev 903.9

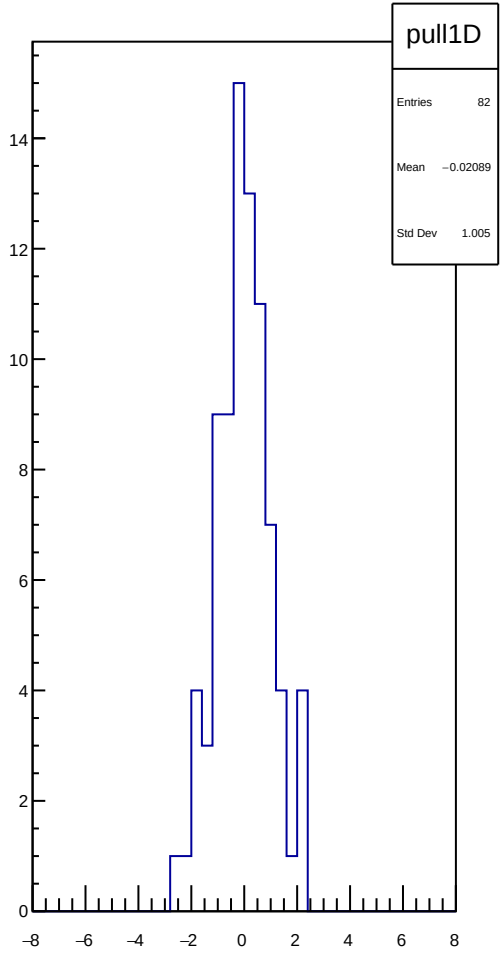

pull1D
Entries 82
Mean −0.00634
Std Dev 0.3655

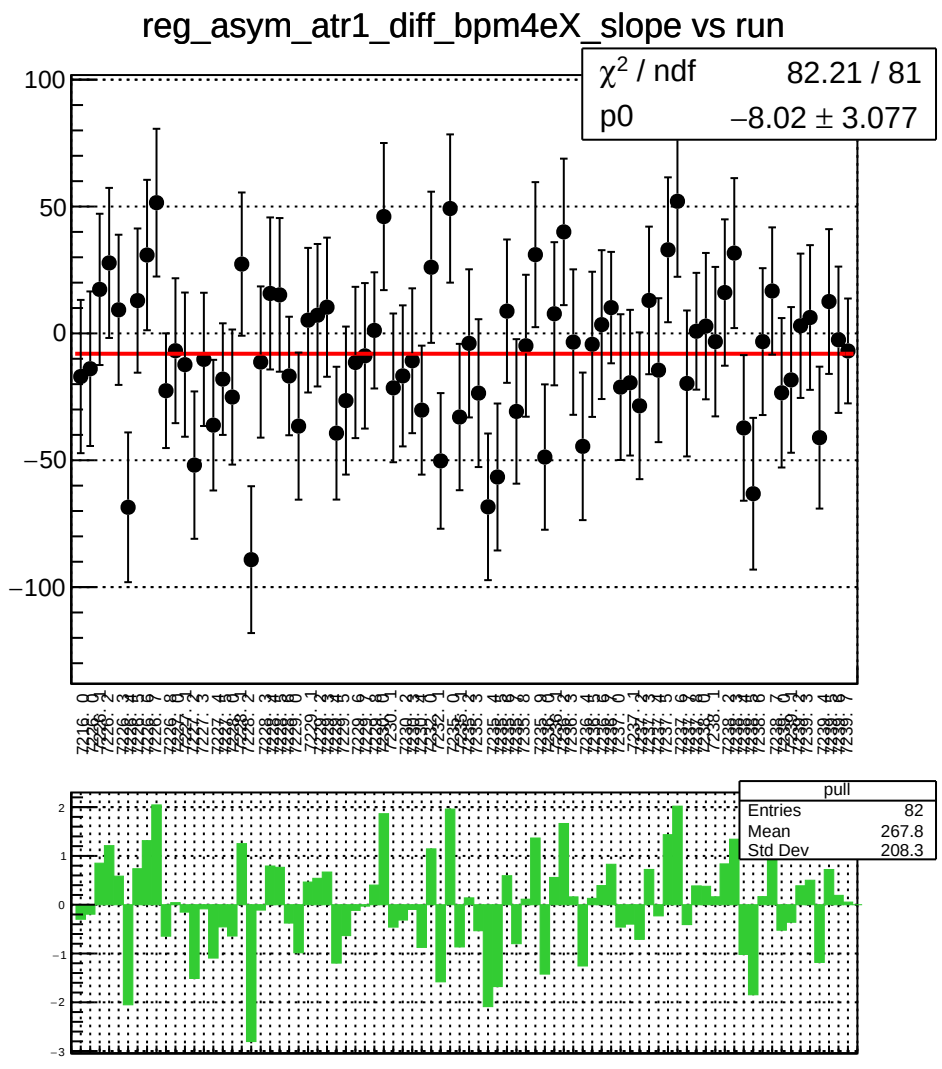

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 42.74 / 81
p0 −233.5 ± 0.3435
pull
Entries 82
Mean 555.3
Std Dev 515.3
pull1D
Entries 82
Mean −0.02176
Std Dev 0.7216

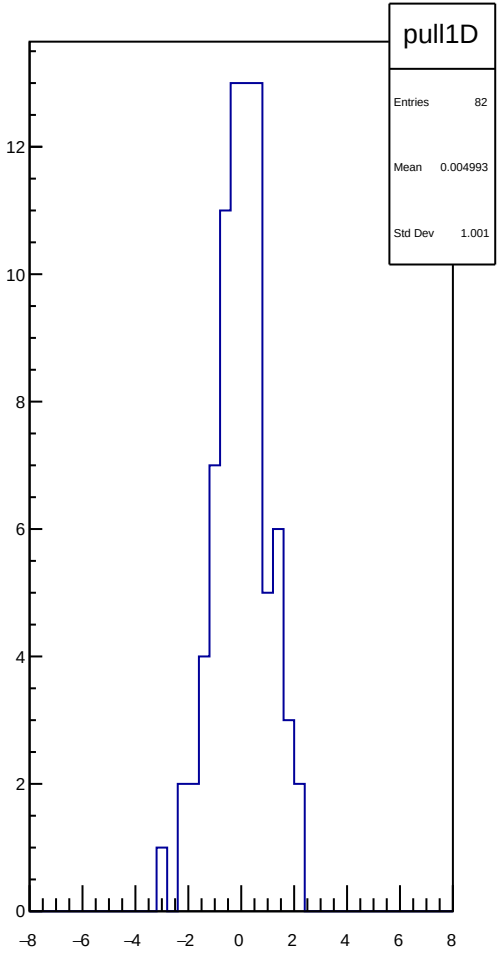

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 79.5 / 81
p0 −48.75 ± 3.009
50
0
−50
−100
−150
pull
Entries 82
Mean −28.22
Std Dev 67.01
2
1
0
−1
−2

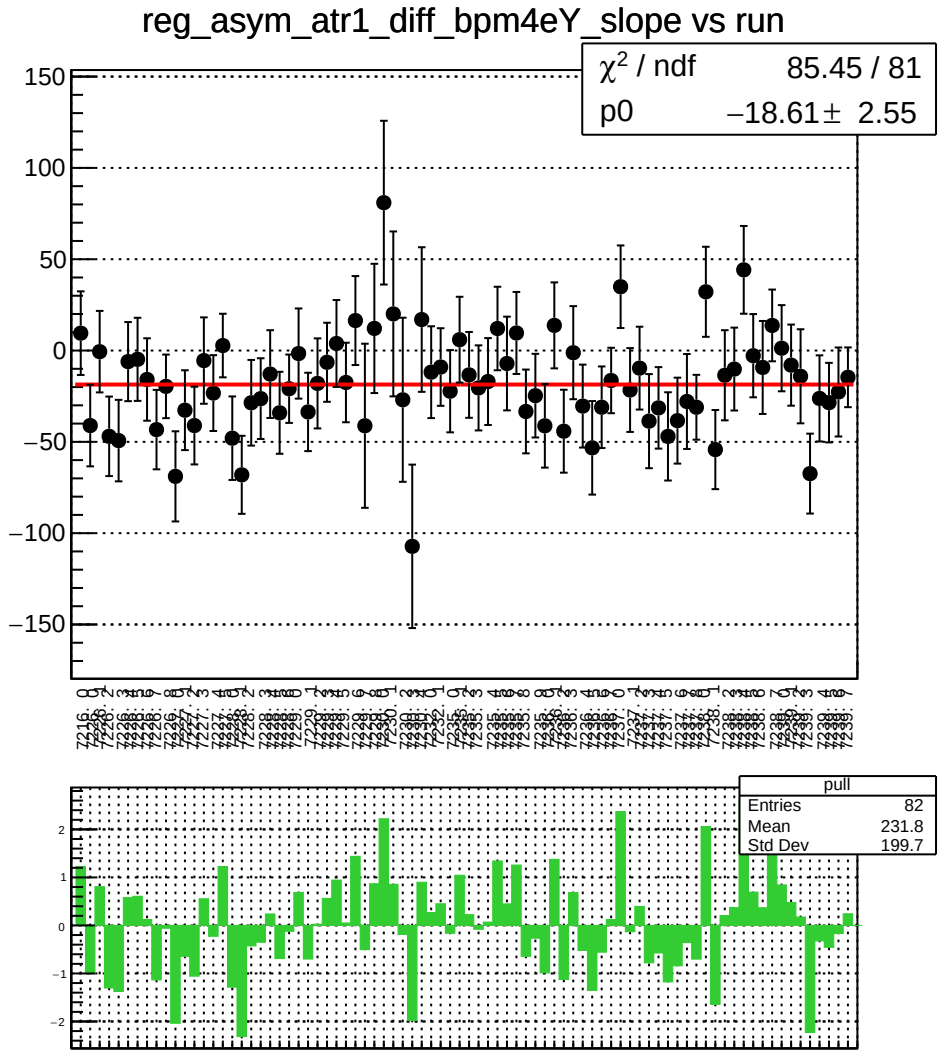

pull1D
Entries 82
Mean −0.004334
Std Dev 0.9846
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

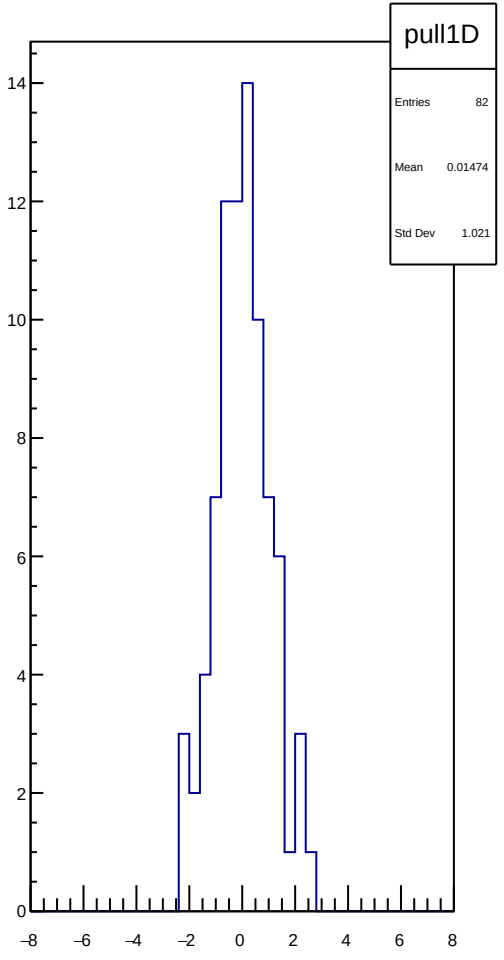

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 82.78 / 81
p0 12.24 ± 2.323
pull
Entries 82
Mean 104.5
Std Dev 73.12

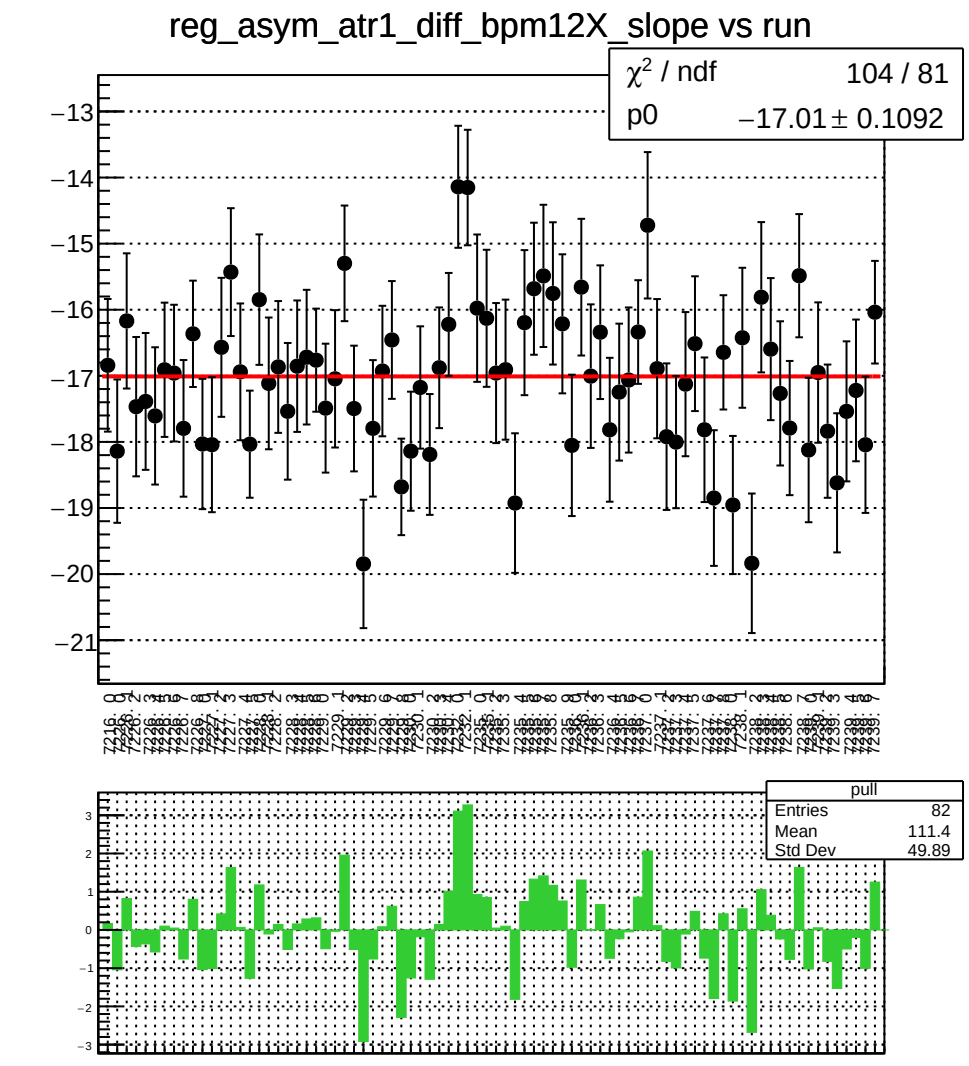

pull1D
Entries 82
Mean −0.02089
Std Dev 1.005

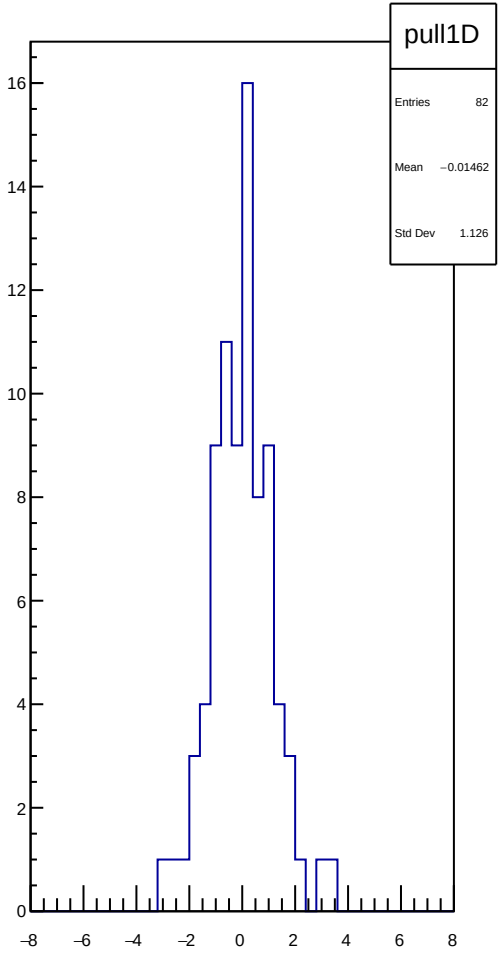

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 82.21 / 81
p0 −8.02 ± 3.077
pull
Entries 82
Mean 267.8
Std Dev 208.3

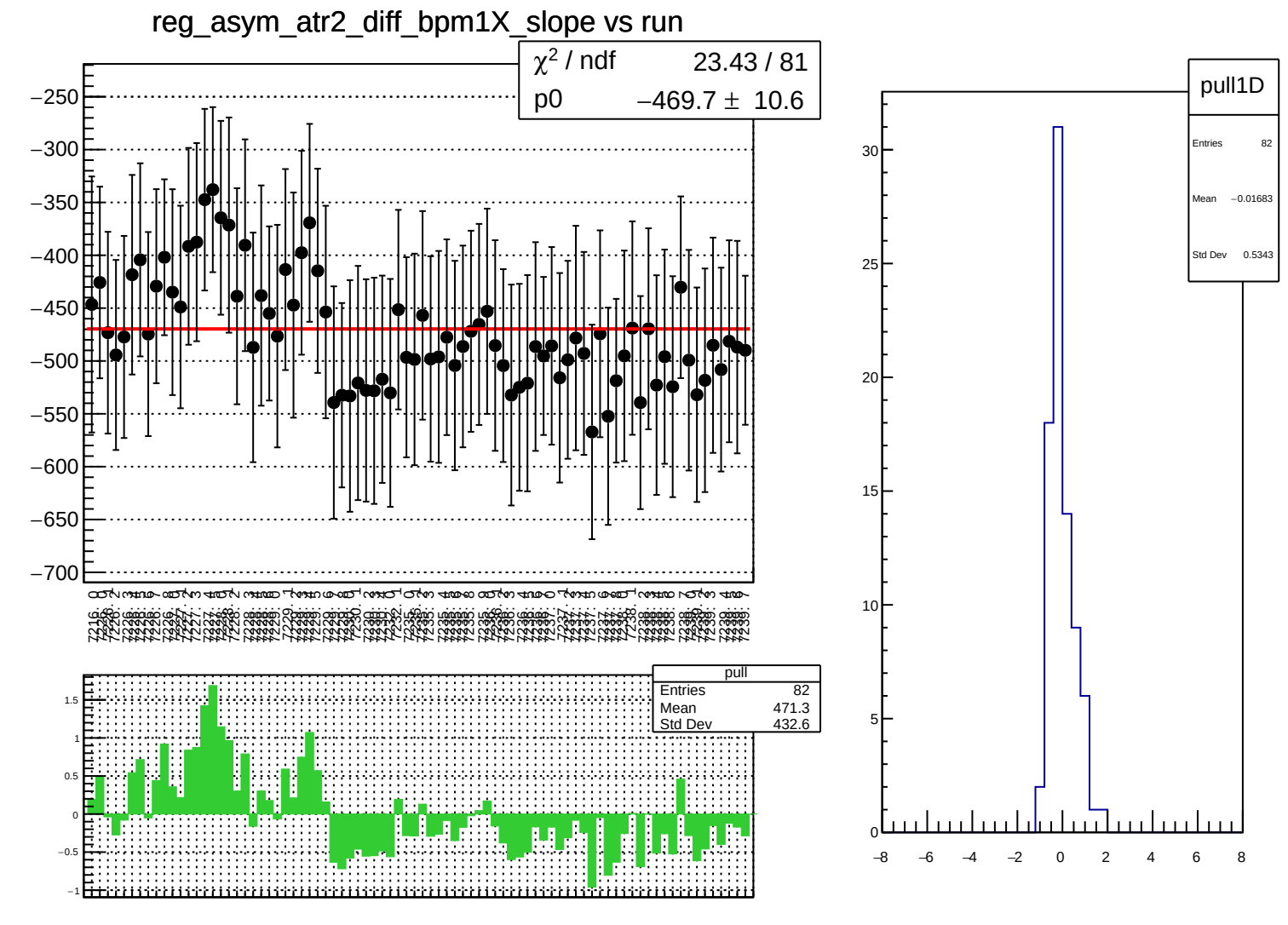

pull1D
Entries 82
Mean 0.004993
Std Dev 1.001

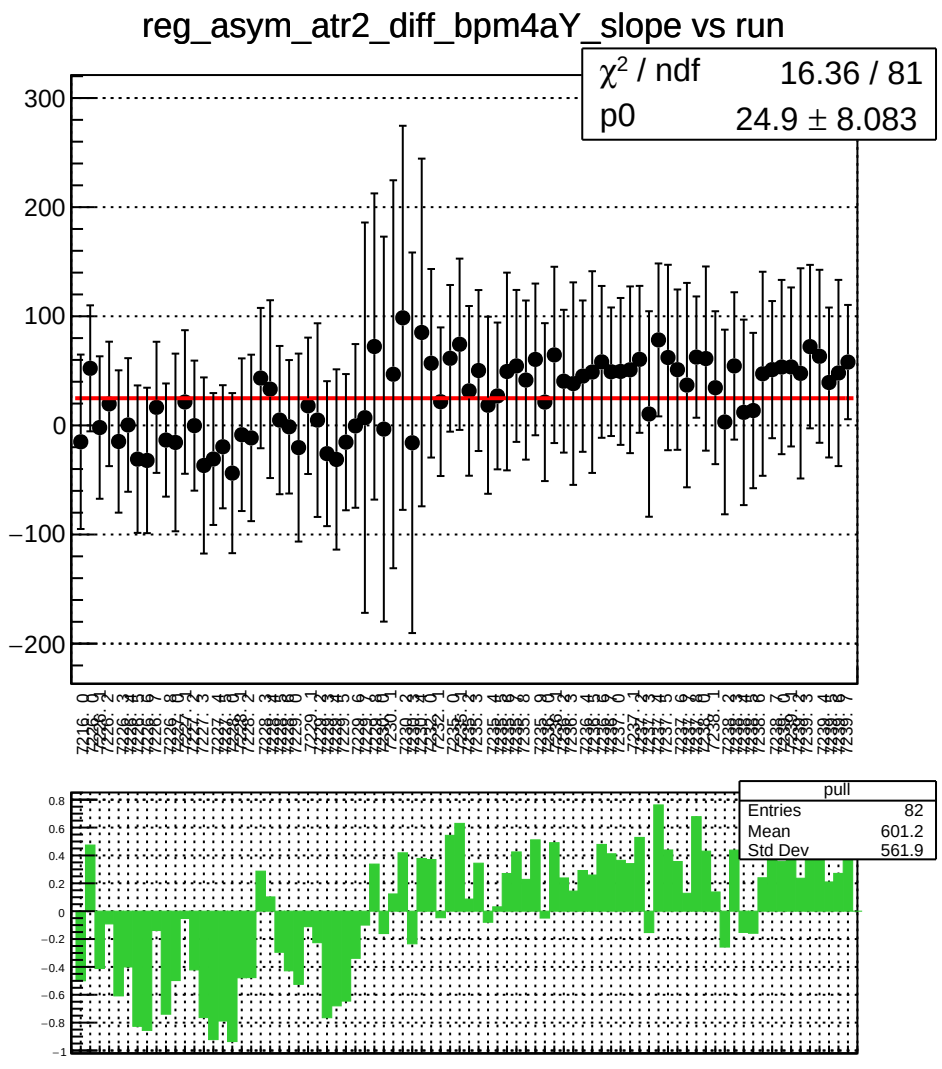

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 85.45 / 81
p0 −18.61 ± 2.55
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 231.8
Std Dev 199.7
2
1
0
−1
−2

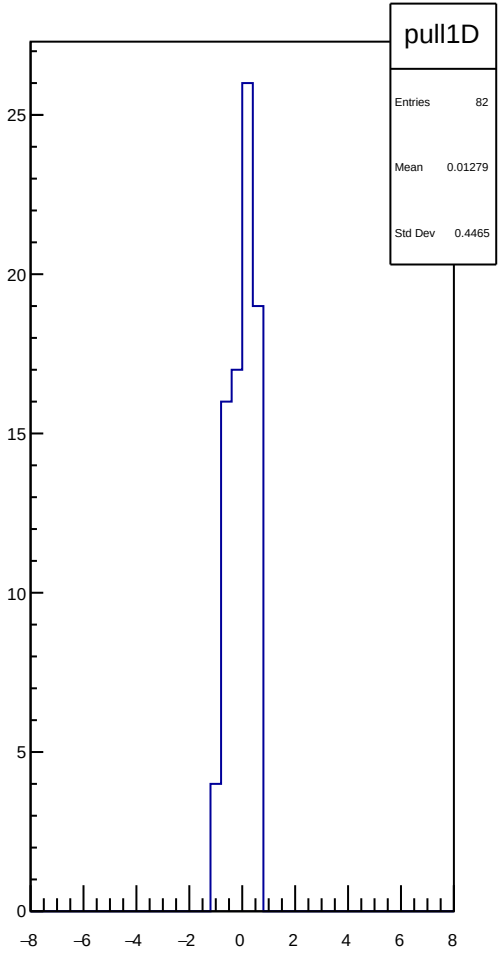

pull1D
Entries 82
Mean 0.01474
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

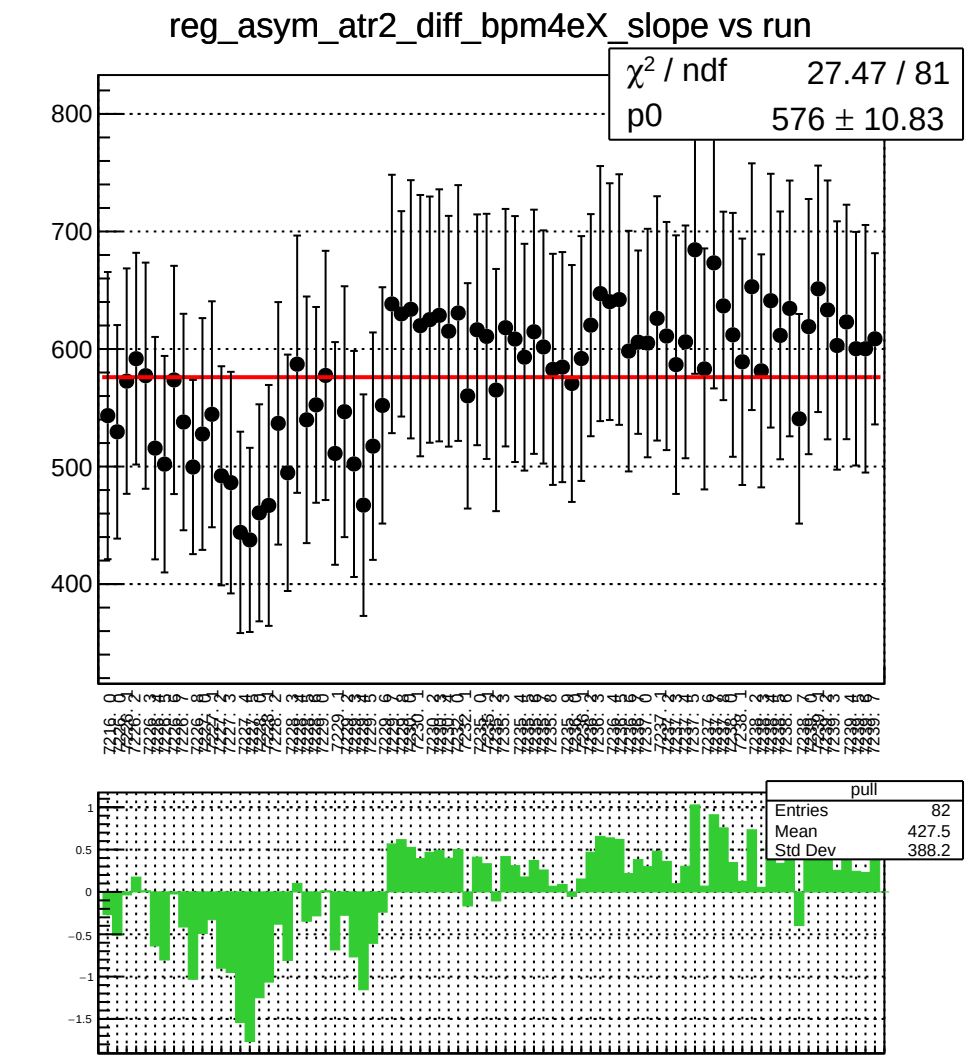

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 104 / 81
p0 −17.01 ± 0.1092
pull
Entries 82
Mean 111.4
Std Dev 49.89

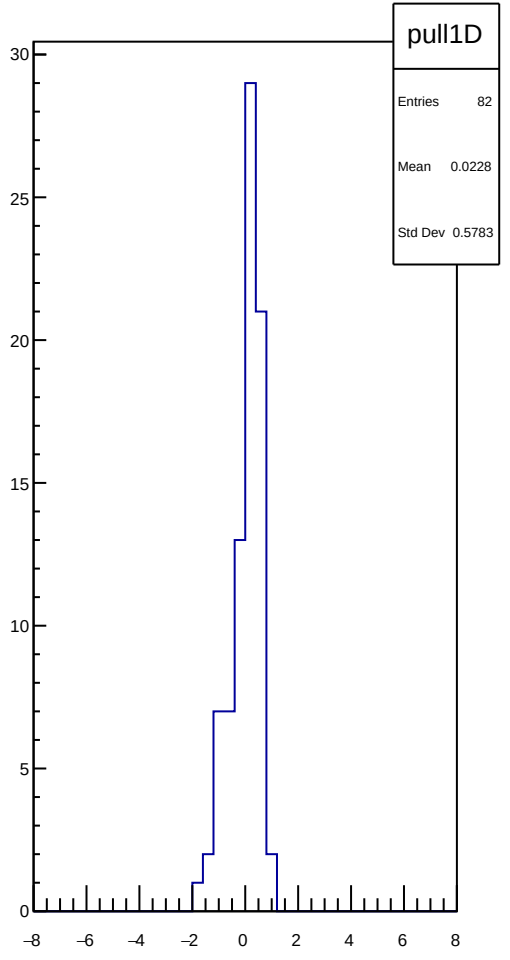

pull1D
Entries 82
Mean −0.01462
Std Dev 1.126

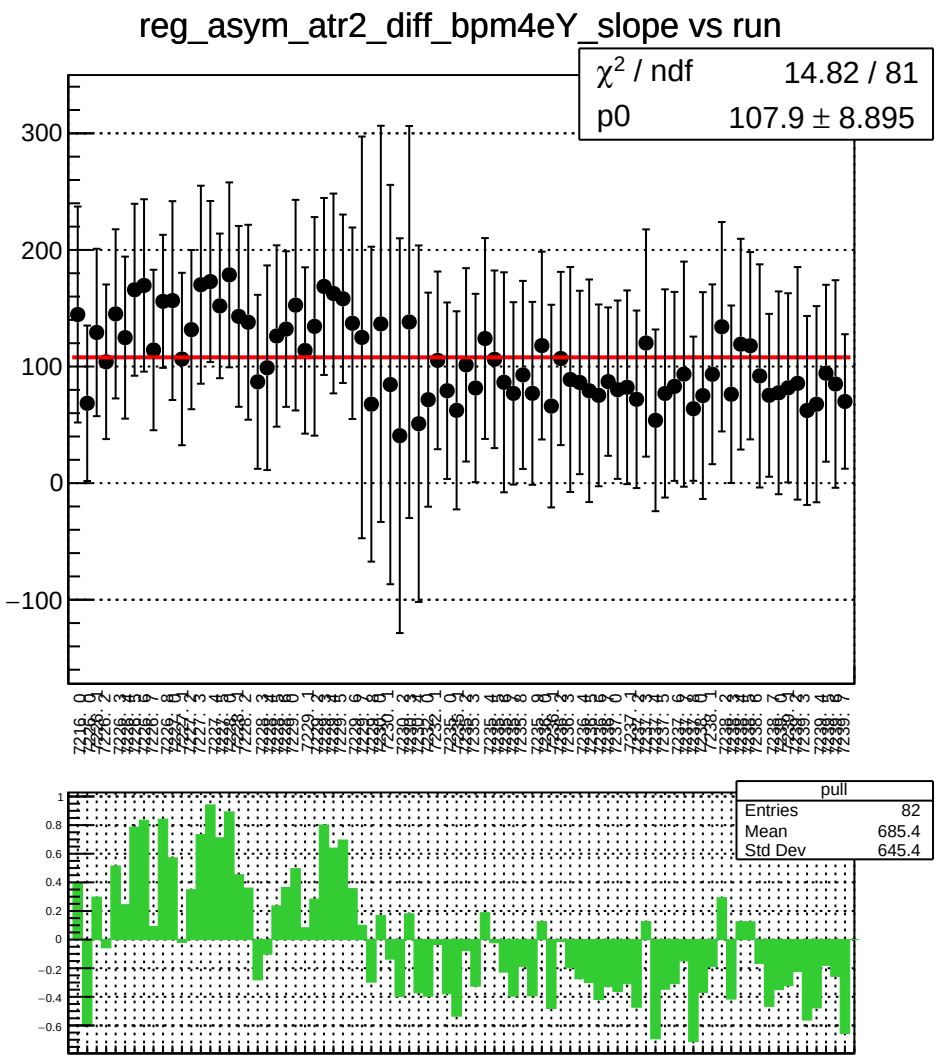

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 23.43 / 81
p0 −469.7 ± 10.6
pull
Entries 82
Mean 471.3
Std Dev 432.6
pull1D
Entries 82
Mean −0.01683
Std Dev 0.5343

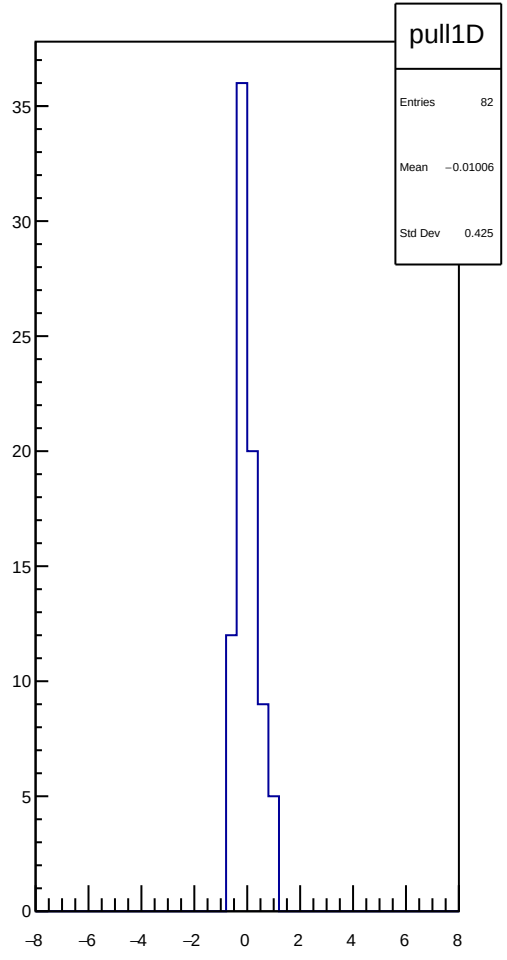

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 16.36 / 81
p0 24.9 ± 8.083
pull
Entries 82
Mean 601.2
Std Dev 561.9

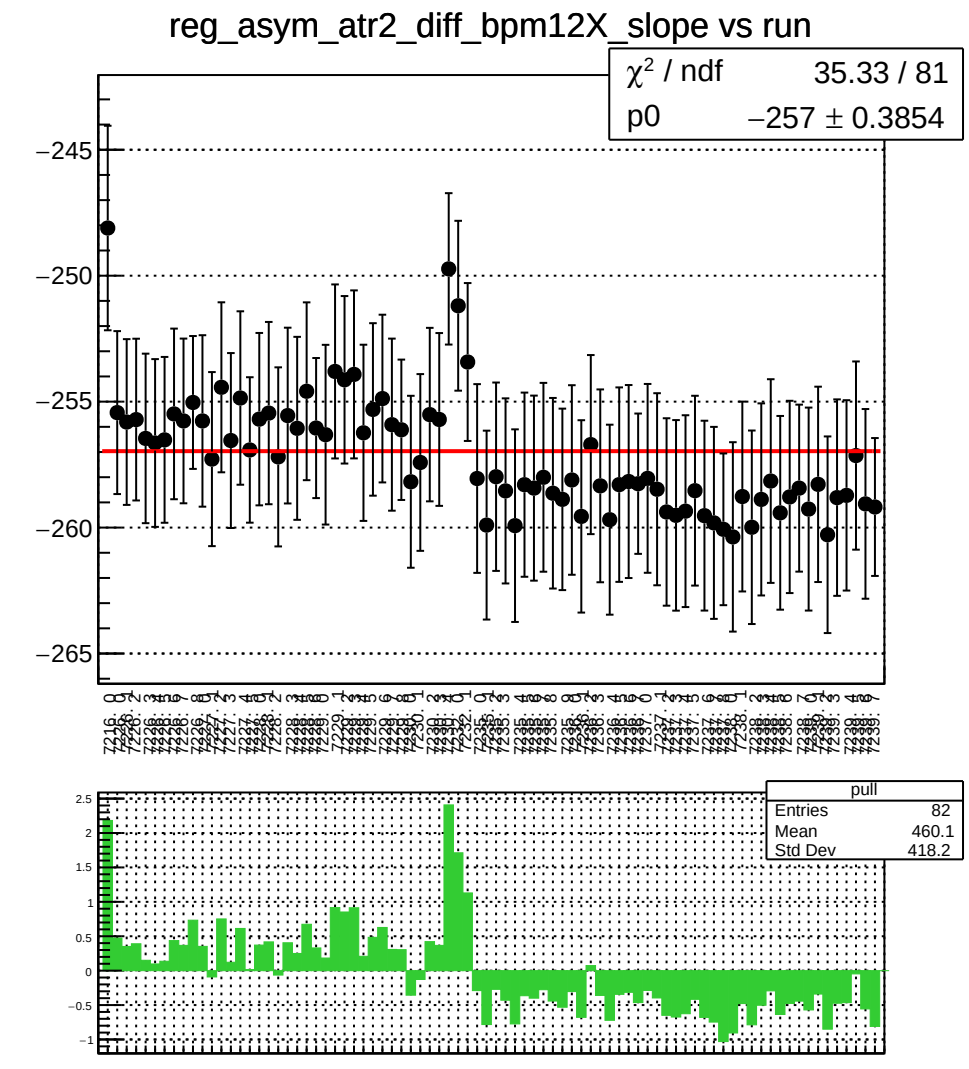

pull1D
Entries 82
Mean 0.01279
Std Dev 0.4465

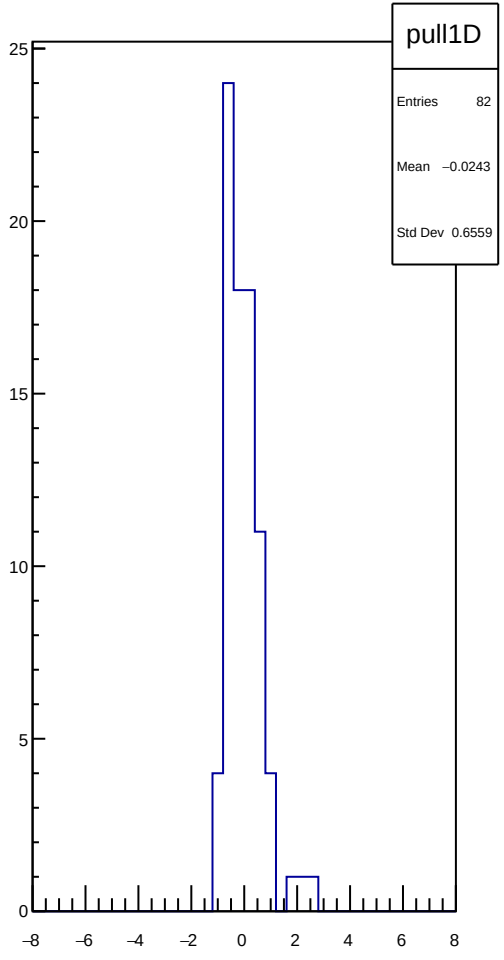

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 27.47 / 81
p0 576 ± 10.83
800
700
600
500
400
pull
Entries 82
Mean 427.5
Std Dev 388.2
1
0.5
0
−0.5
−1
−1.5

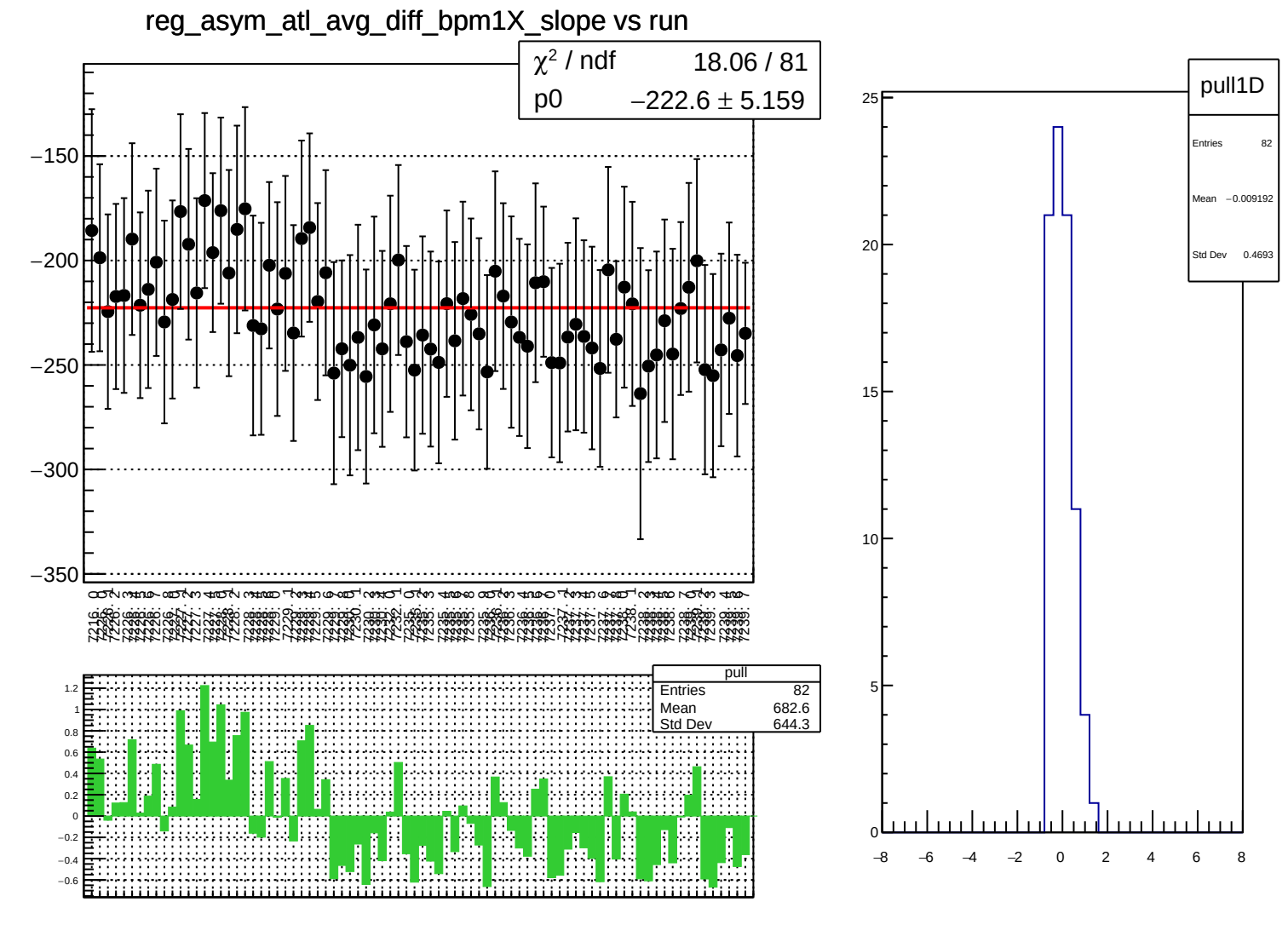

pull1D
Entries 82
Mean 0.0228
Std Dev 0.5783
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

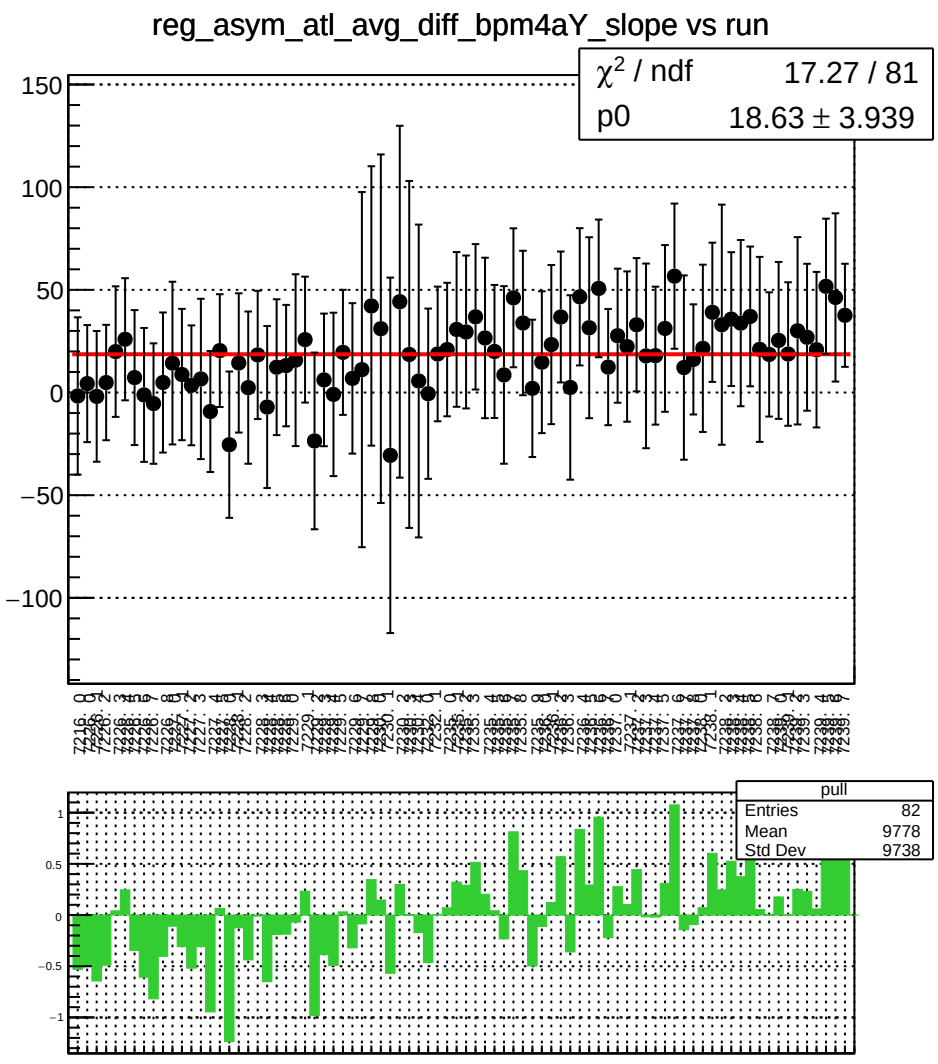

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 14.82 / 81
p0 107.9 ± 8.895
300
200
100
0
−100
pull
Entries 82
Mean 685.4
Std Dev 645.4
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

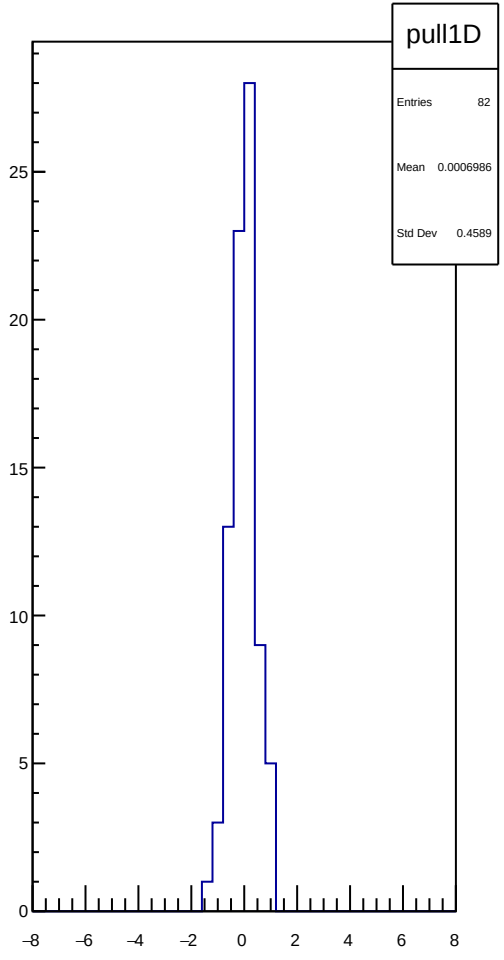

pull1D
Entries 82
Mean −0.01006
Std Dev 0.425
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

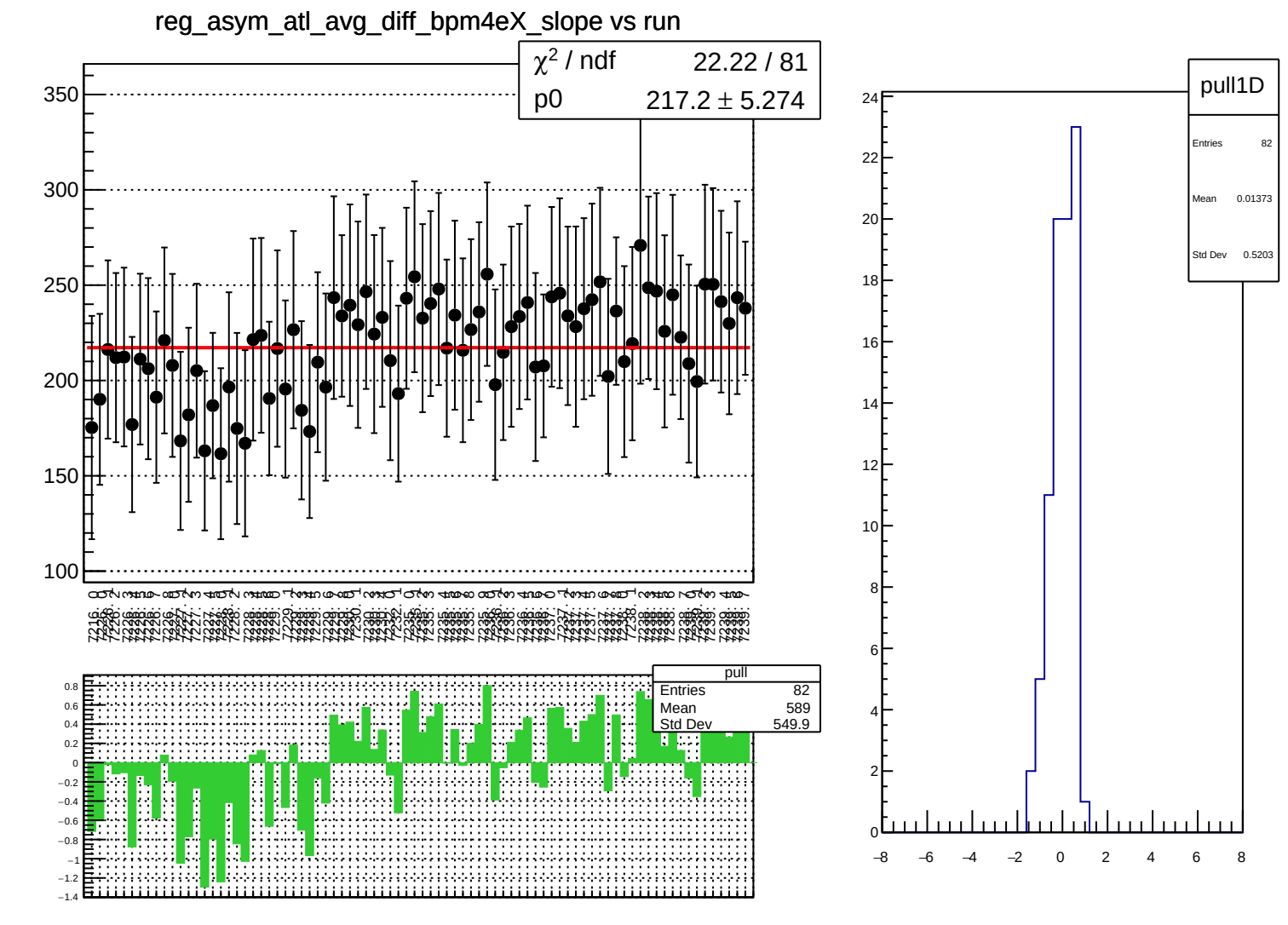

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 35.33 / 81
p0 −257 ± 0.3854
−245
−250
−255
−260
−265
pull
Entries 82
Mean 460.1
Std Dev 418.2
2.5
2
1.5
1
0.5
0
−0.5
−1

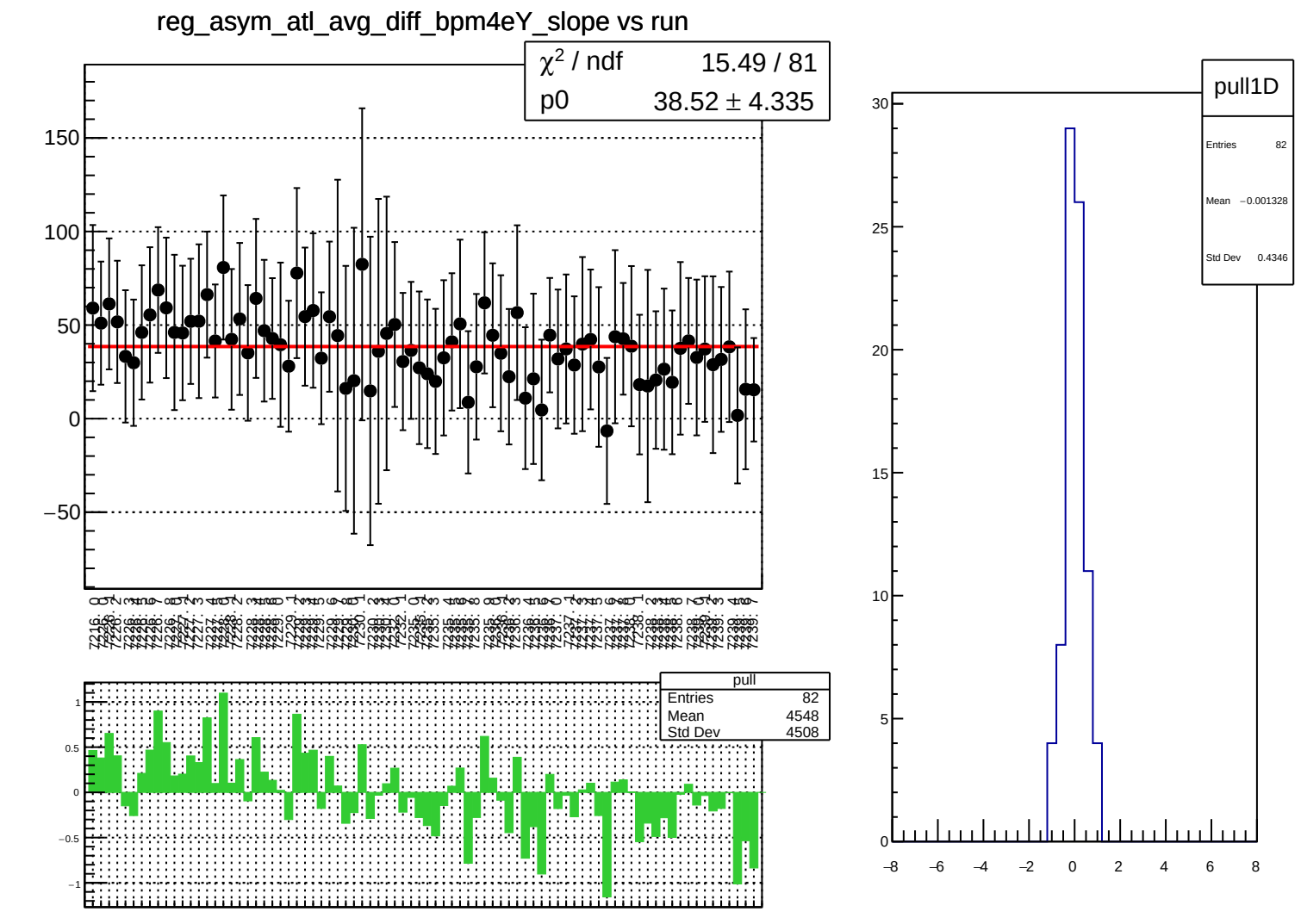

pull1D
Entries 82
Mean −0.0243
Std Dev 0.6559
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

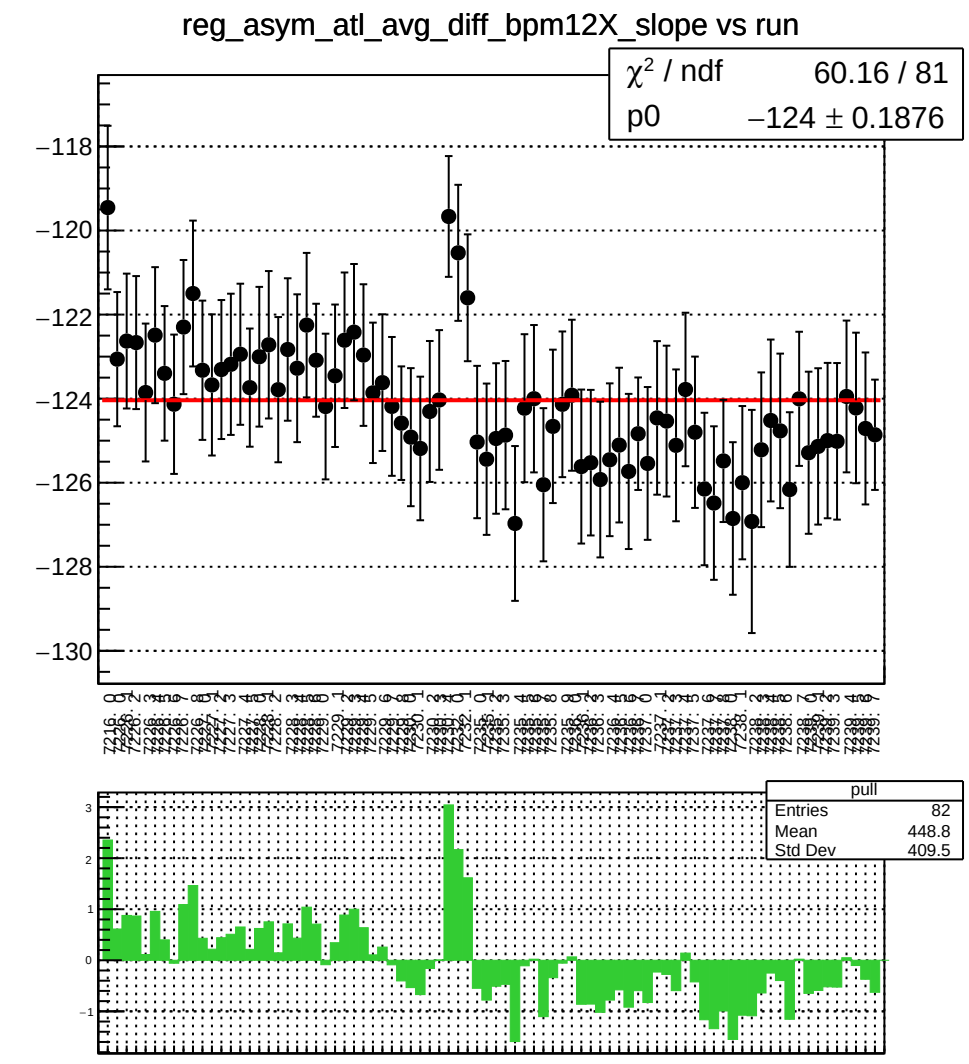

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 18.06 / 81
p0 −222.6 ± 5.159
−150
−200
−250
−300
−350
pull
Entries 82
Mean 682.6
Std Dev 644.3
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean −0.009192
Std Dev 0.4693
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

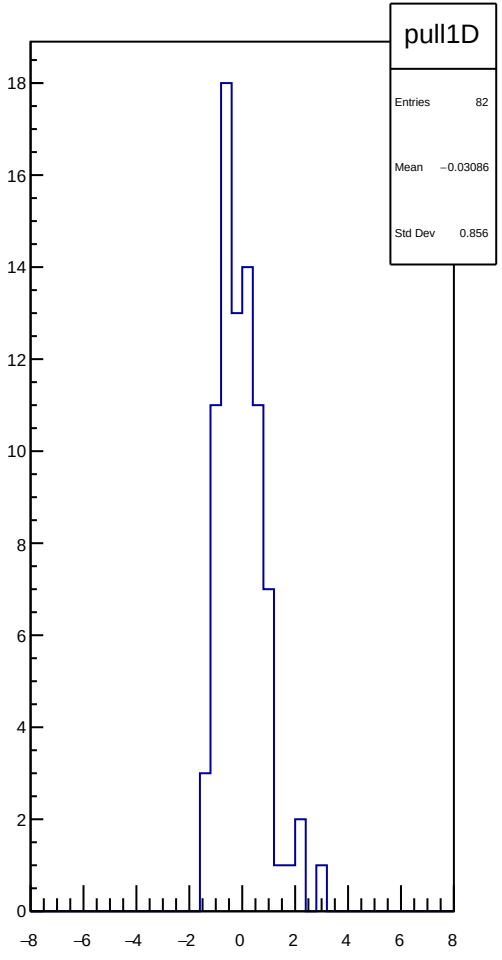

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.27 / 81
p0 18.63 ± 3.939
150
100
50
0
−50
−100
pull
Entries 82
Mean 9778
Std Dev 9738
1
0.5
0
−0.5
−1

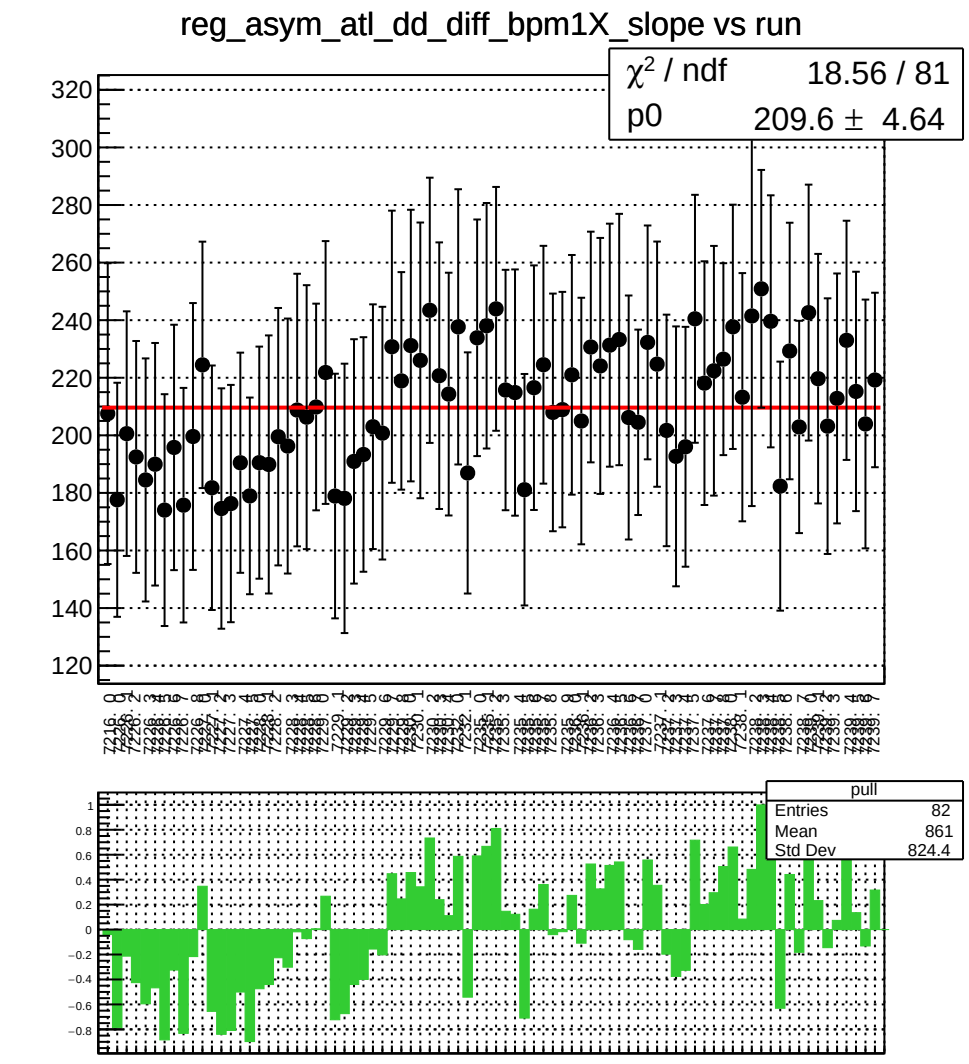

pull1D
Entries 82
Mean 0.0006986
Std Dev 0.4589
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

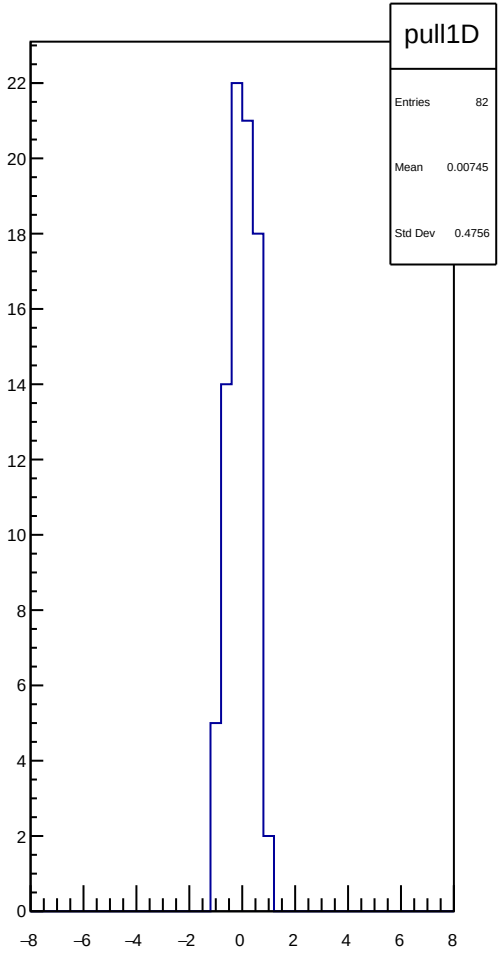

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.22 / 81
p0 217.2 ± 5.274
pull
Entries 82
Mean 589
Std Dev 549.9
pull1D
Entries 82
Mean 0.01373
Std Dev 0.5203

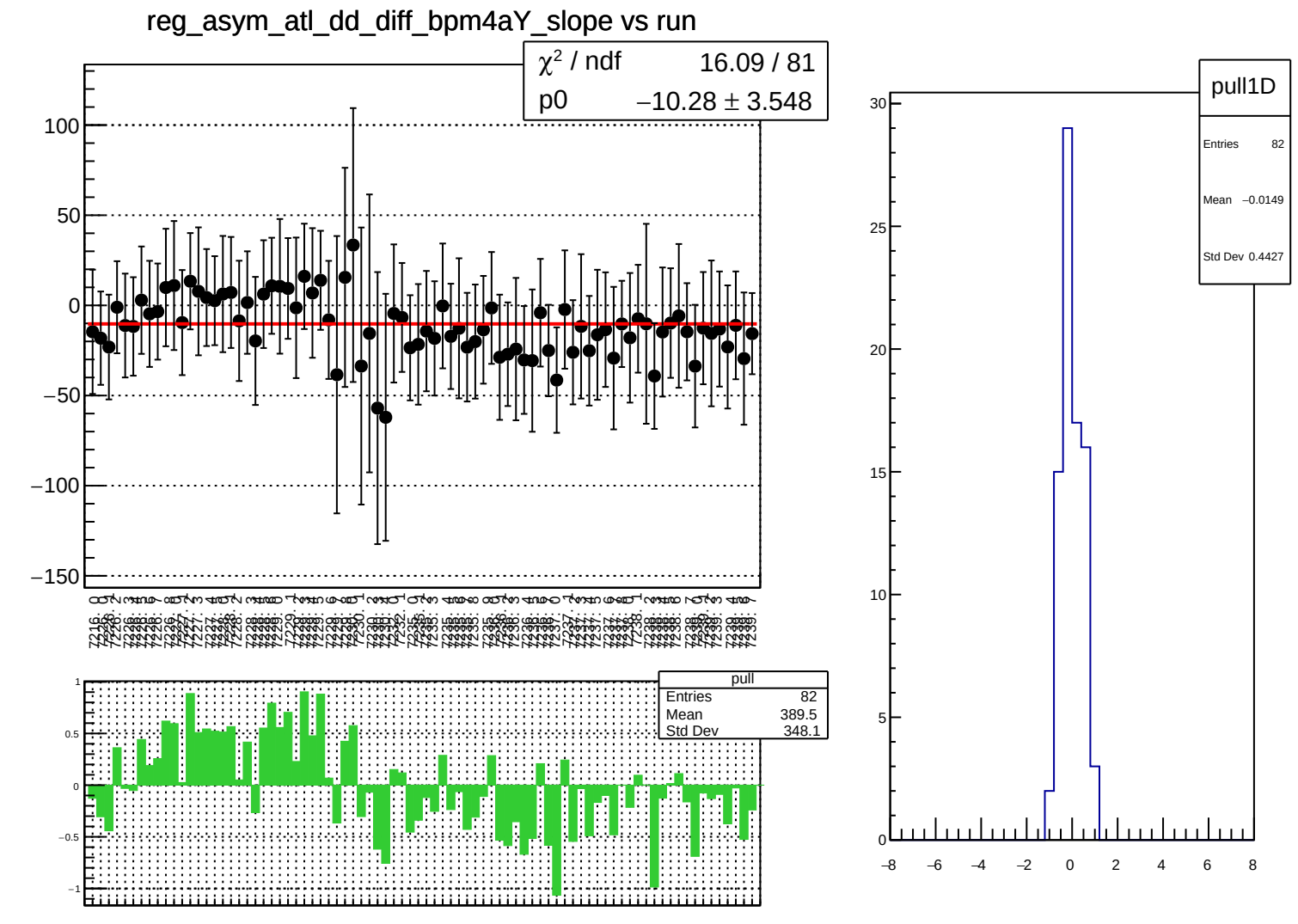

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.49 / 81
p0 38.52 ± 4.335
150
100
50
0
−50
pull
Entries 82
Mean 4548
Std Dev 4508
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.001328
Std Dev 0.4346
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

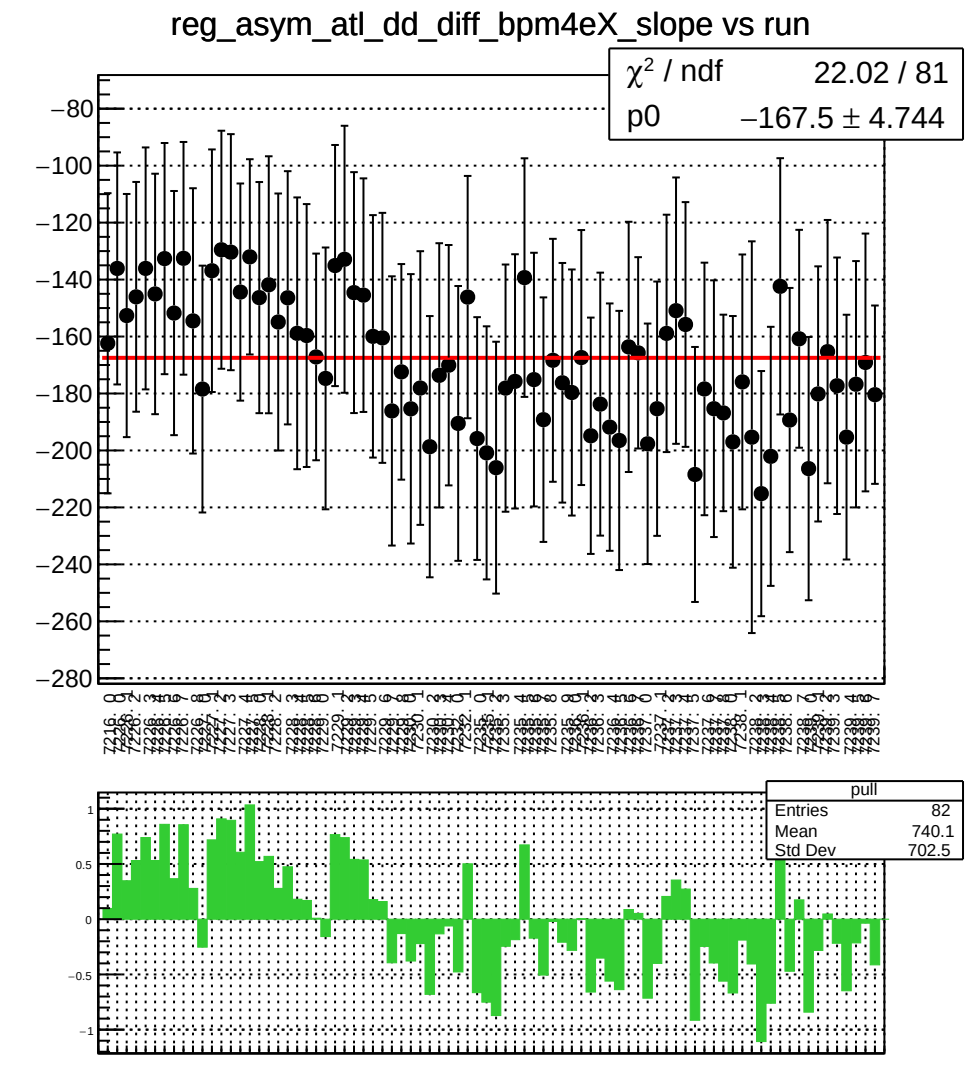

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 60.16 / 81
p0 −124 ± 0.1876
pull
Entries 82
Mean 448.8
Std Dev 409.5

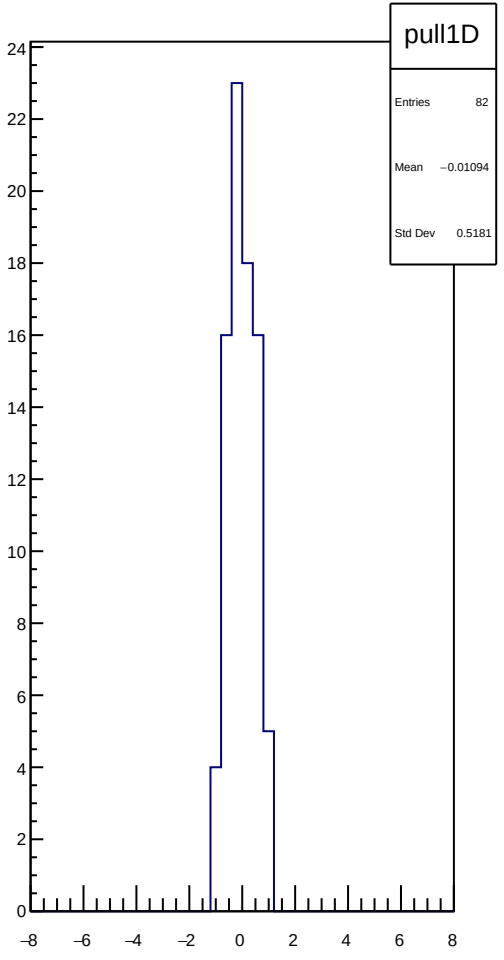

pull1D
Entries 82
Mean −0.03086
Std Dev 0.856

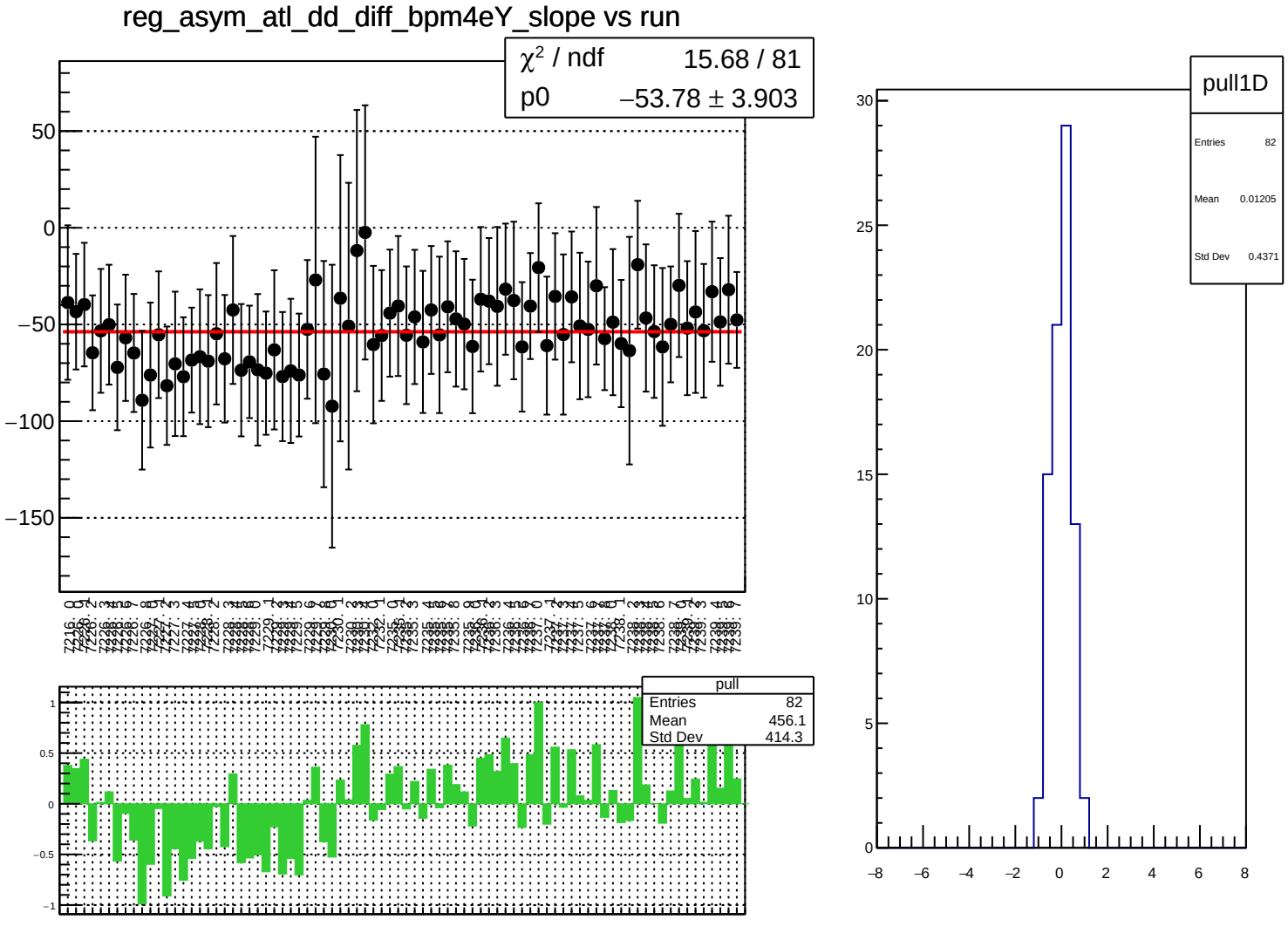

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 18.56 / 81
p0 209.6 ± 4.64
pull
Entries 82
Mean 861
Std Dev 824.4

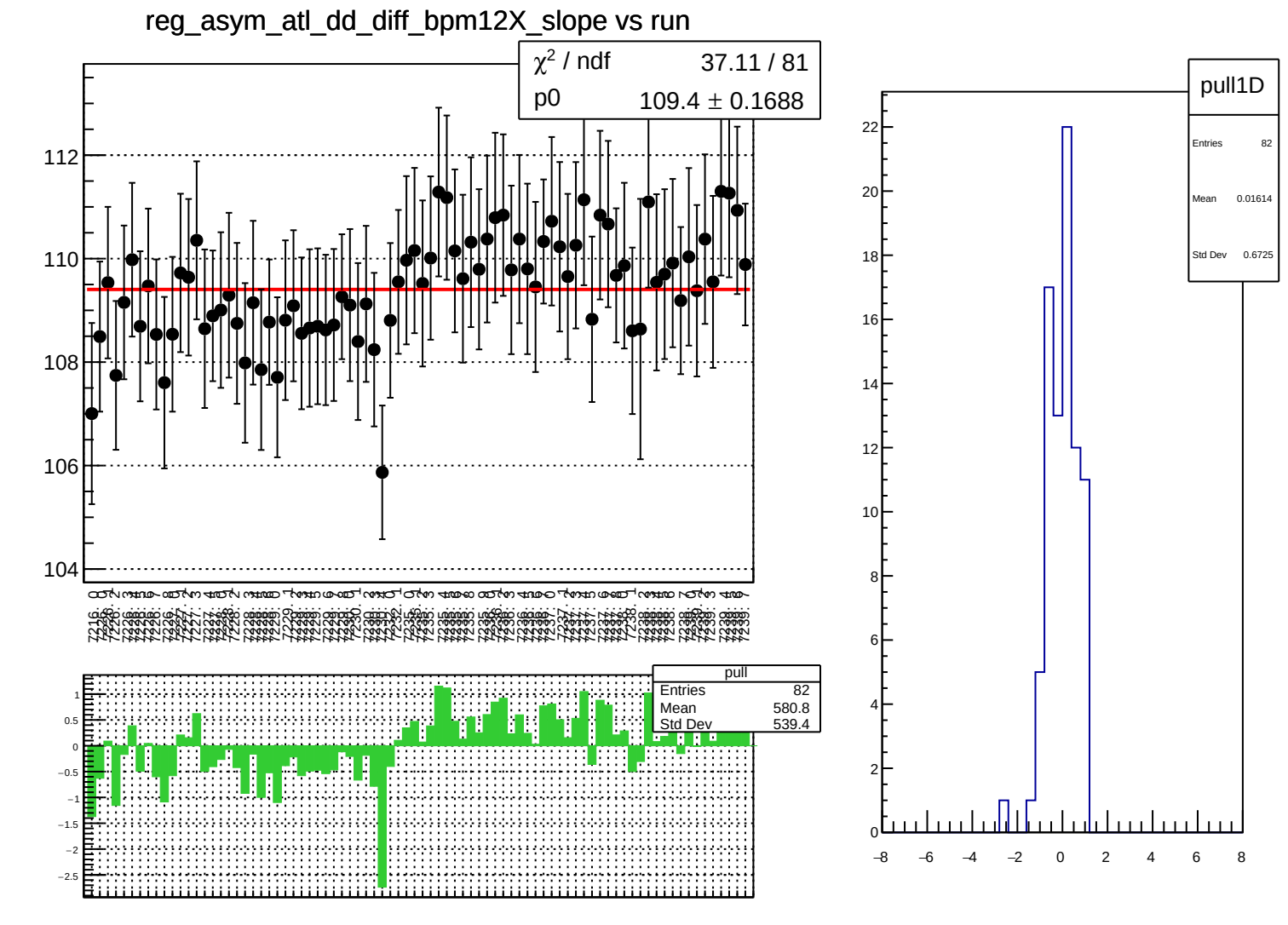

pull1D
Entries 82
Mean 0.00745
Std Dev 0.4756

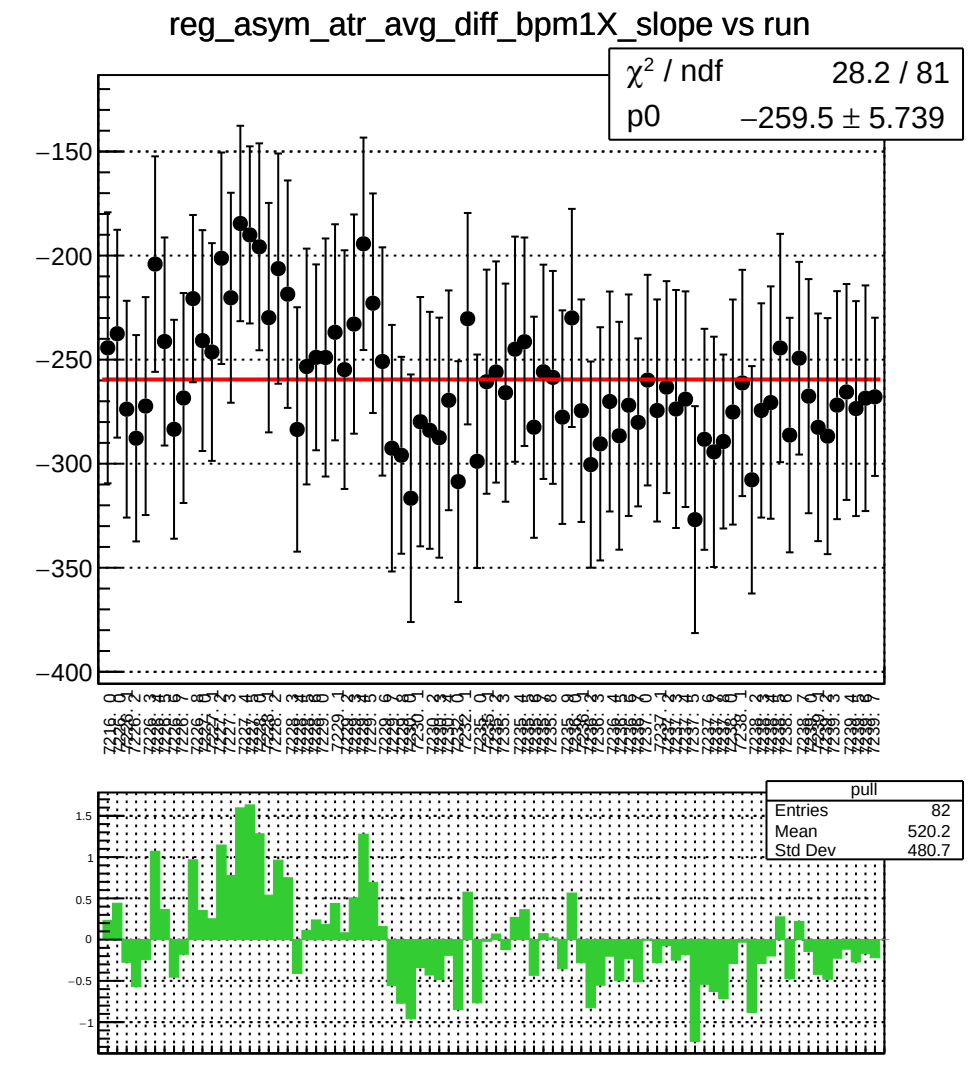

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.09 / 81
p0 −10.28 ± 3.548
100
50
0
−50
−100
−150
pull
Entries 82
Mean 389.5
Std Dev 348.1
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.0149
Std Dev 0.4427
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

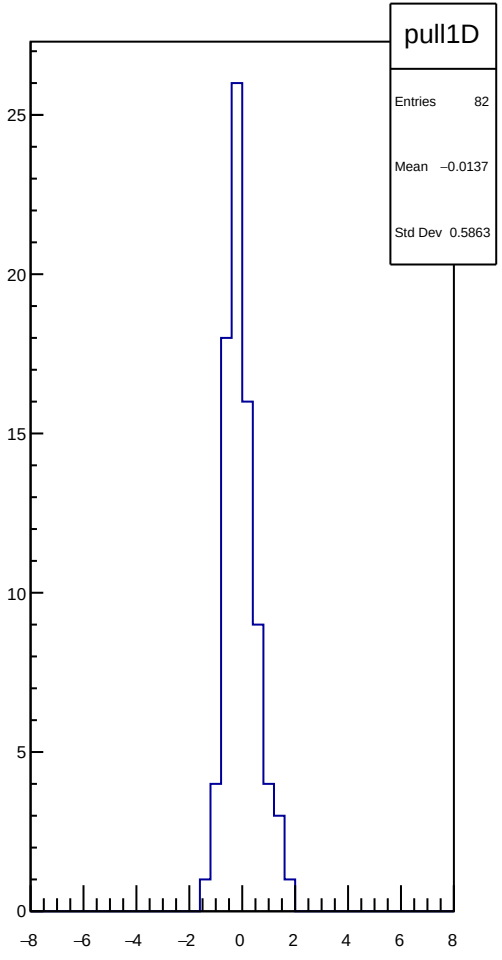

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.02 / 81
p0 −167.5 ± 4.744
pull
Entries 82
Mean 740.1
Std Dev 702.5

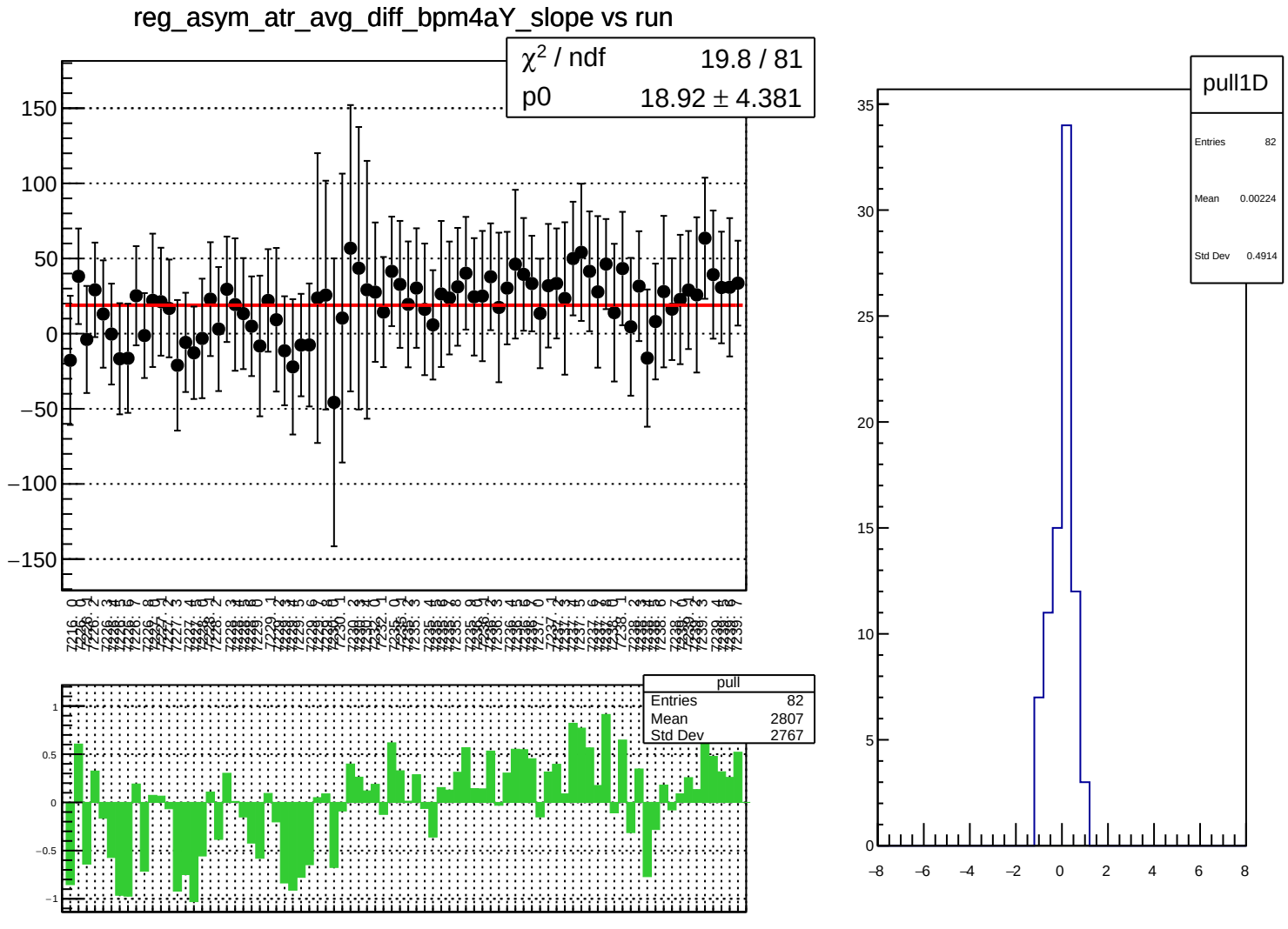

pull1D
Entries 82
Mean −0.01094
Std Dev 0.5181

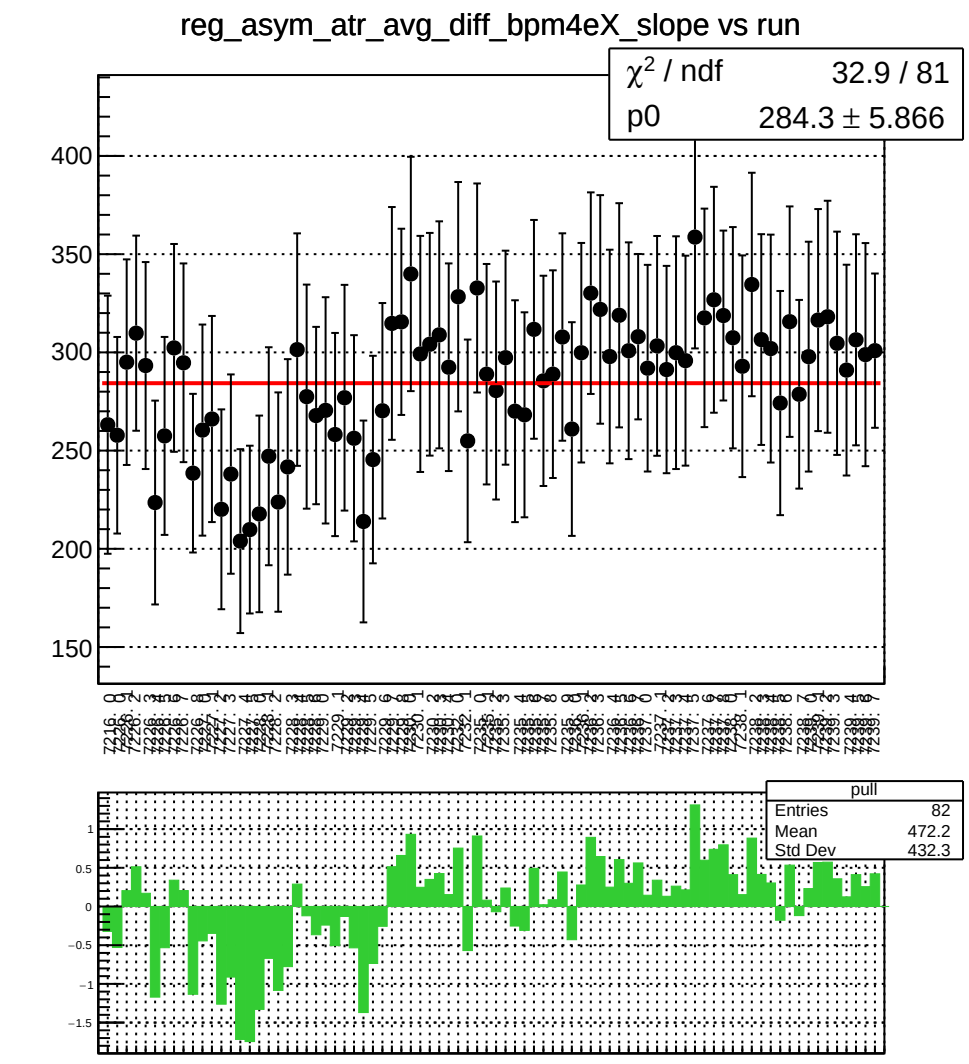

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.68 / 81
p0 −53.78 ± 3.903
50
0
−50
−100
−150
pull
Entries 82
Mean 456.1
Std Dev 414.3
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean 0.01205
Std Dev 0.4371
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

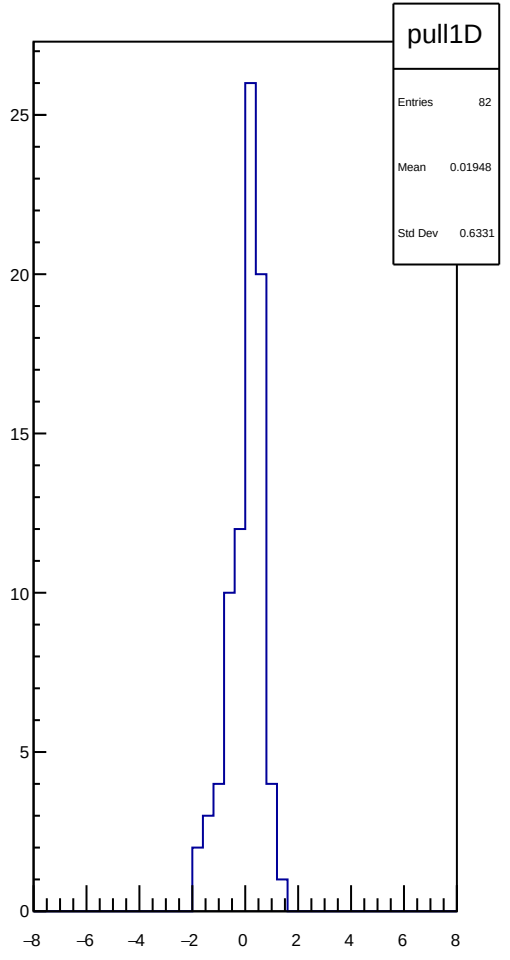

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 37.11 / 81
p0 109.4 ± 0.1688
112
110
108
106
104
pull
Entries 82
Mean 580.8
Std Dev 539.4
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean 0.01614
Std Dev 0.6725
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

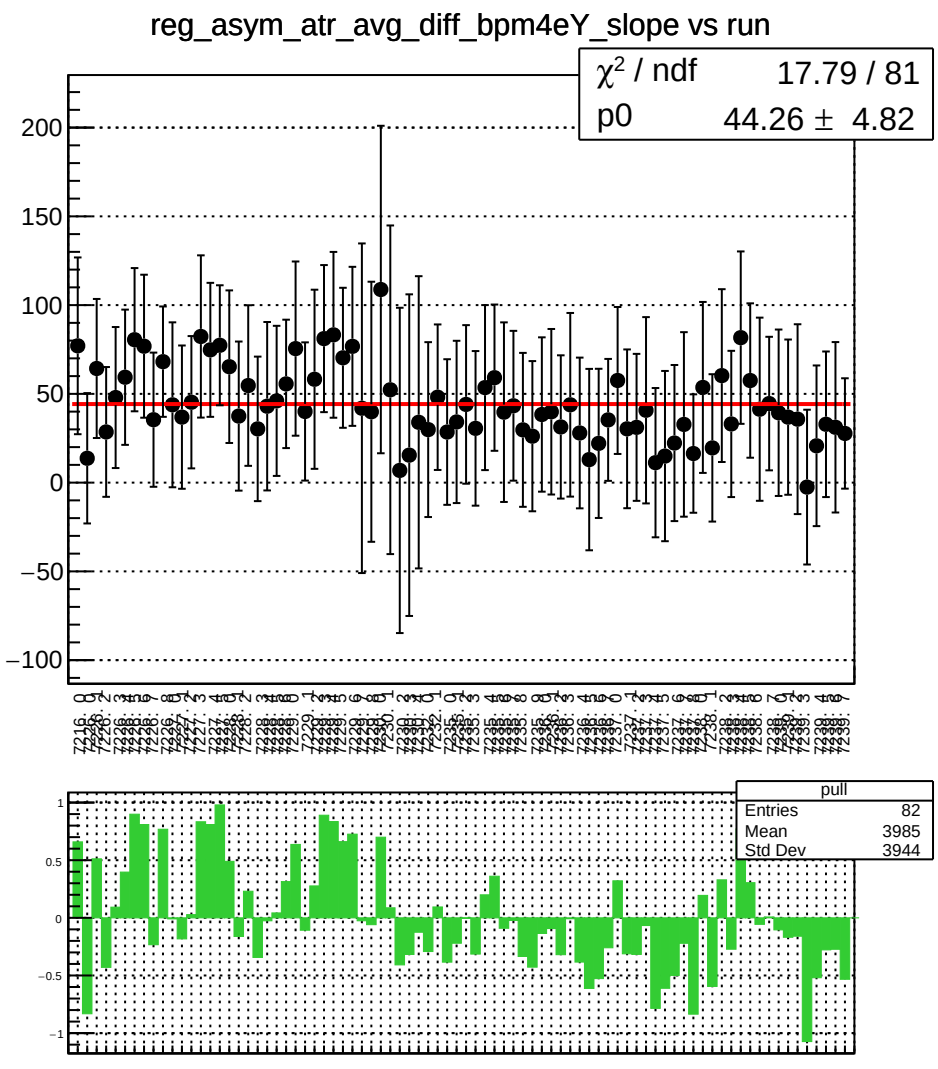

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 28.2 / 81
p0 −259.5 ± 5.739
pull
Entries 82
Mean 520.2
Std Dev 480.7

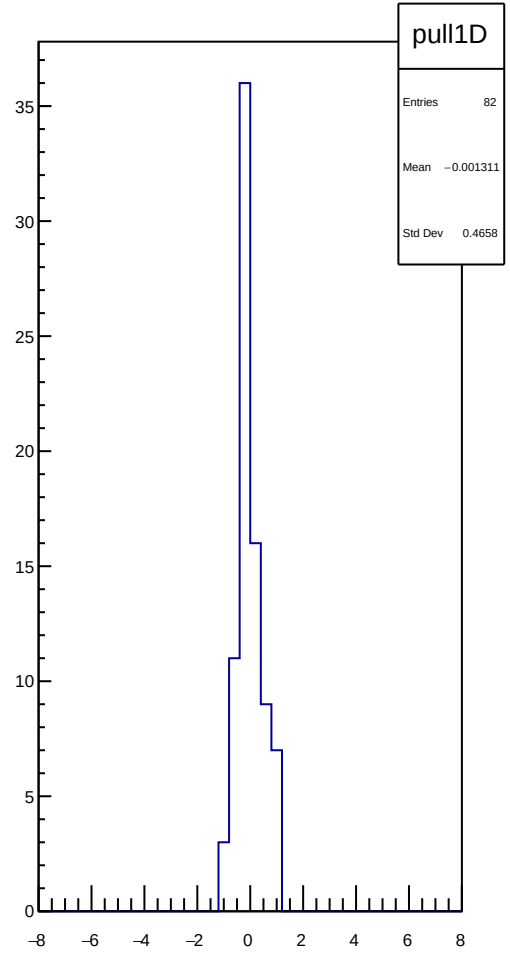

pull1D
Entries 82
Mean −0.0137
Std Dev 0.5863

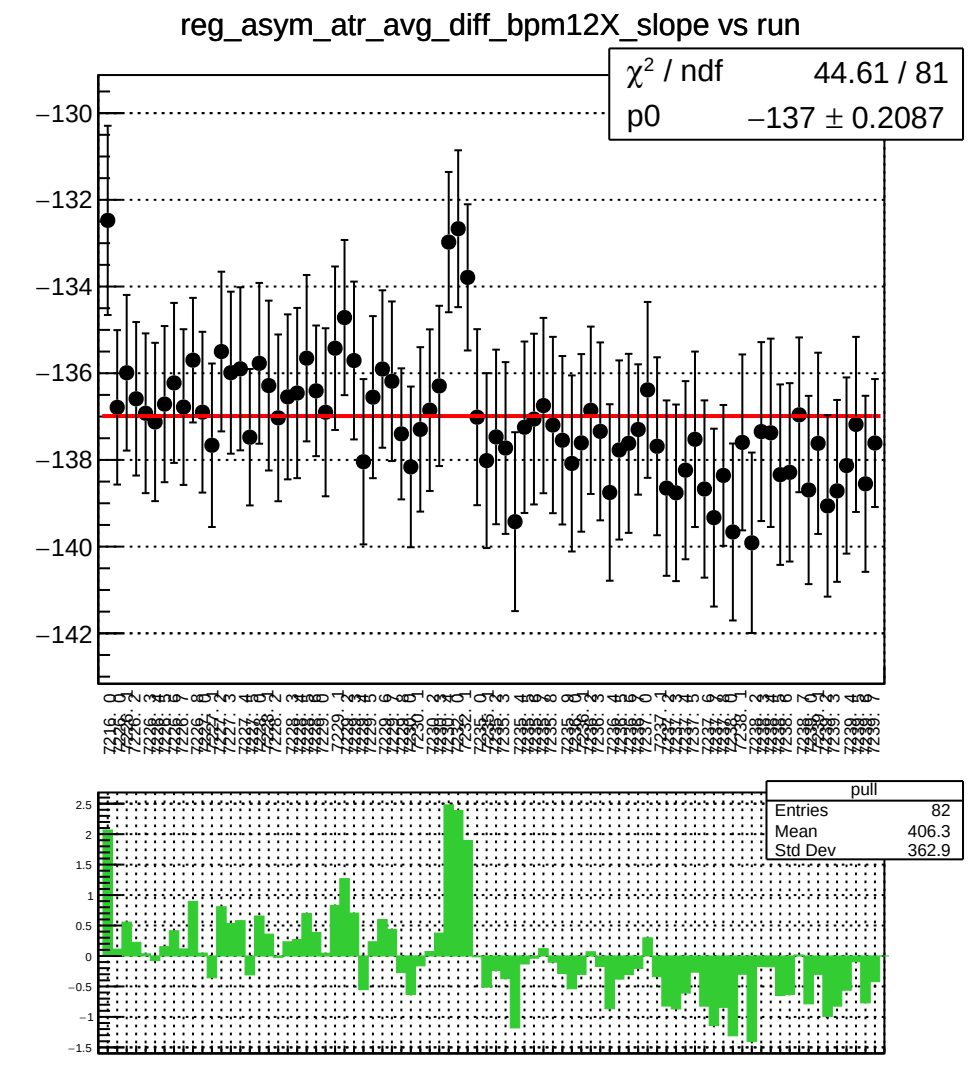

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.8 / 81
p0 18.92 ± 4.381
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 2807
Std Dev 2767
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean 0.00224
Std Dev 0.4914
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

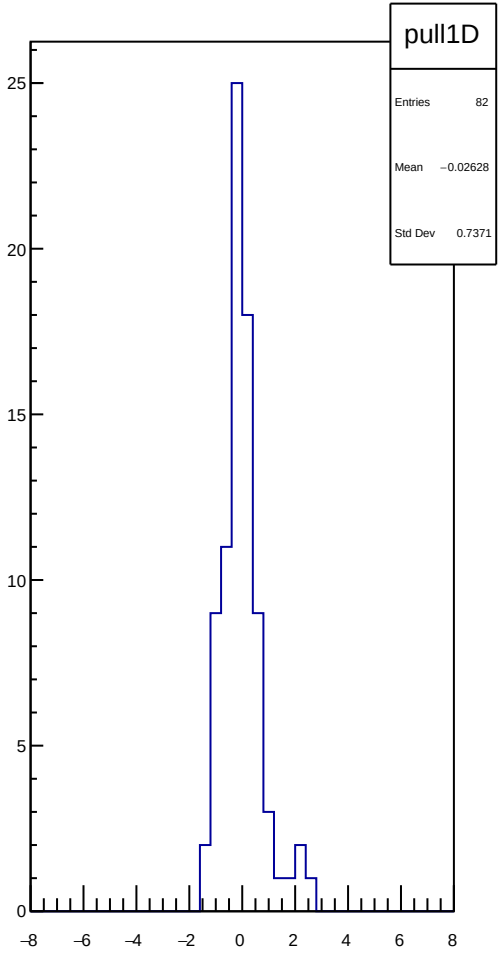

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.9 / 81
p0 284.3 ± 5.866
400
350
300
250
200
150
pull
Entries 82
Mean 472.2
Std Dev 432.3
1
0.5
0
−0.5
−1
−1.5

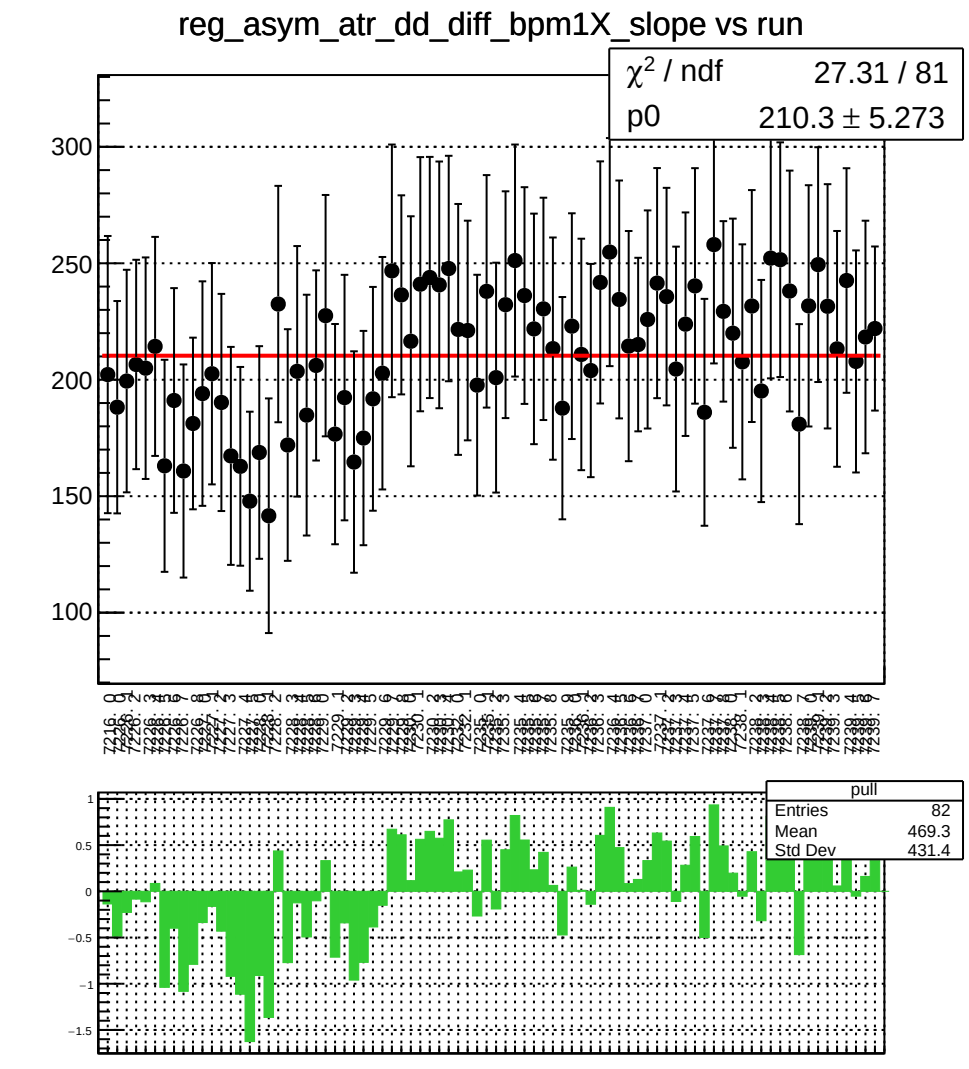

pull1D
Entries 82
Mean 0.01948
Std Dev 0.6331
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

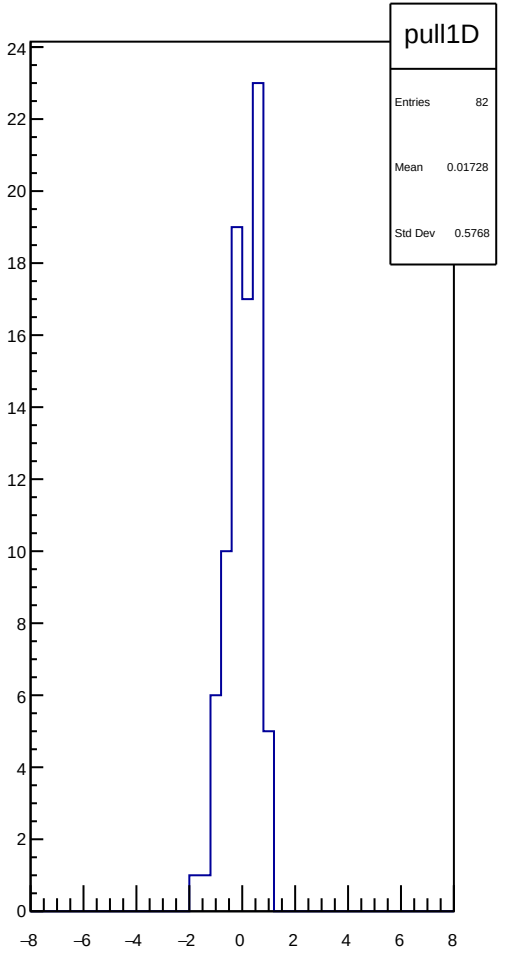

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.79 / 81
p0 44.26 ± 4.82
200
150
100
50
0
−50
−100
pull
Entries 82
Mean 3985
Std Dev 3944
1
0.5
0
−0.5
−1

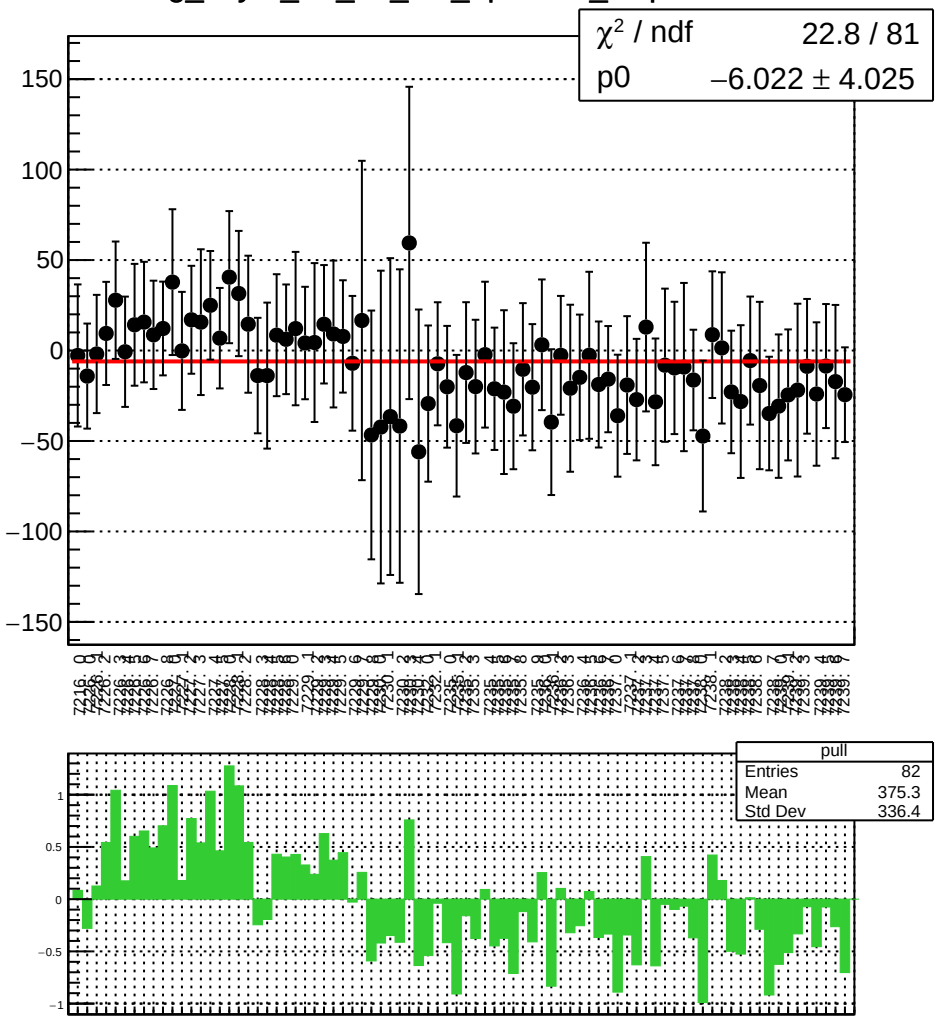

pull1D
Entries 82
Mean −0.001311
Std Dev 0.4658
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

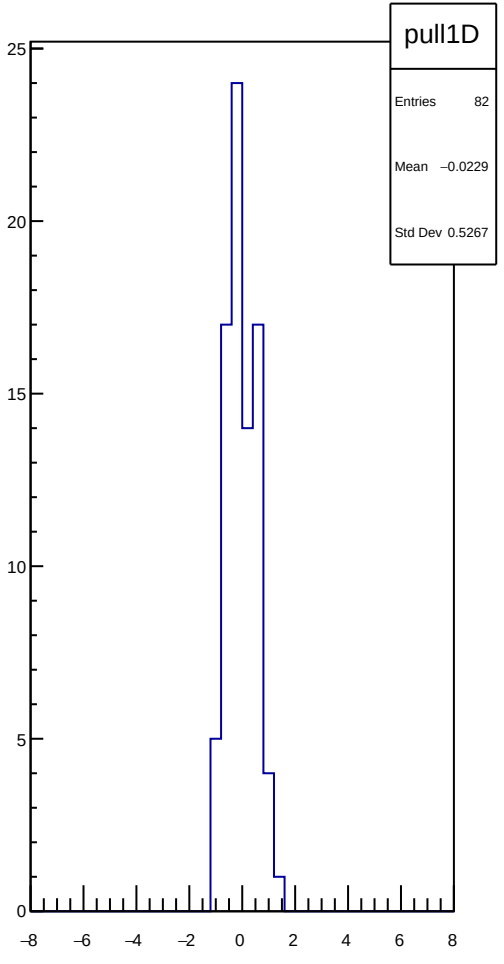

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 44.61 / 81
p0 −137 ± 0.2087
−130
−132
−134
−136
−138
−140
−142
pull
Entries 82
Mean 406.3
Std Dev 362.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

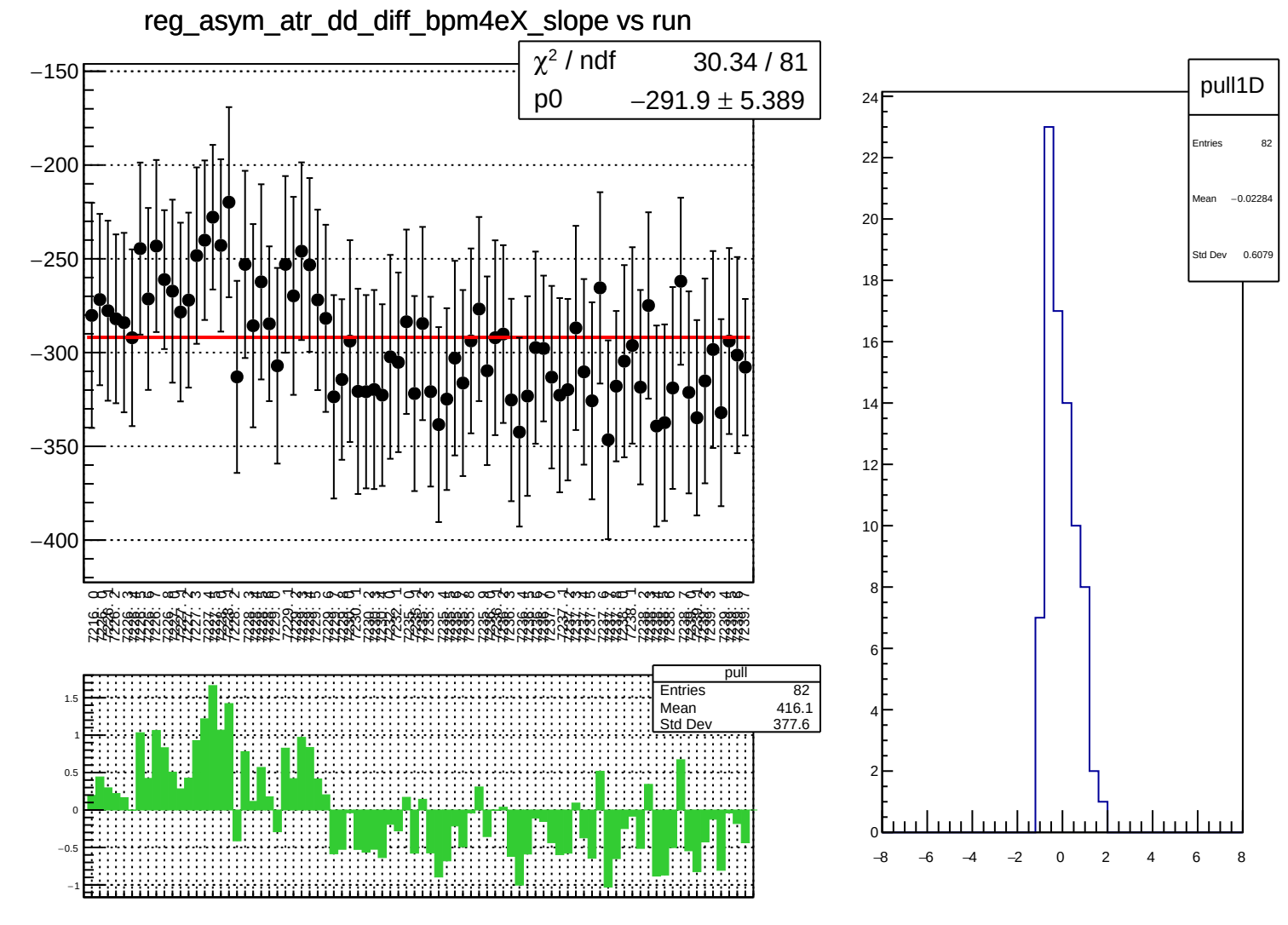

pull1D
Entries 82
Mean −0.02628
Std Dev 0.7371
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

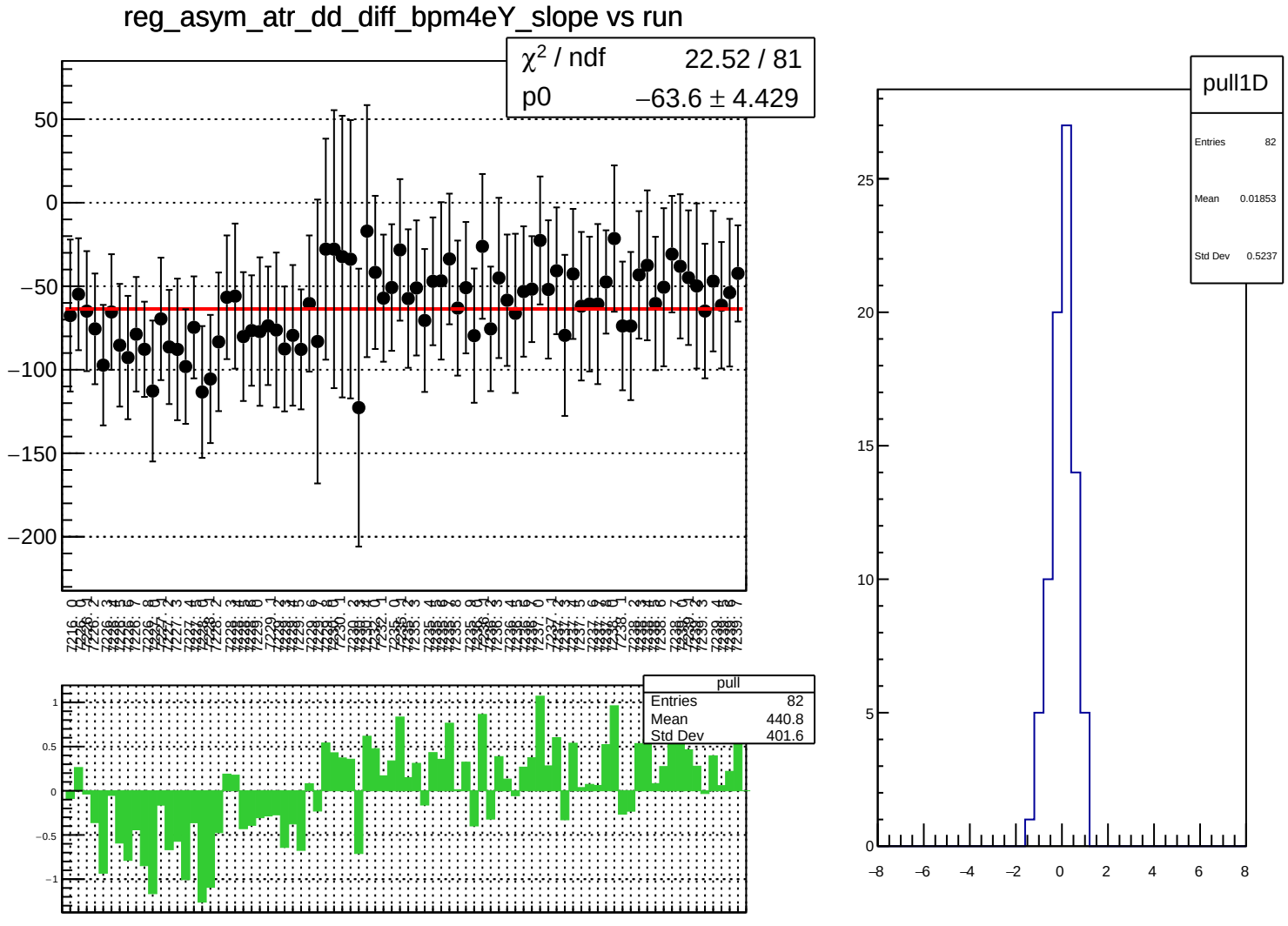

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 27.31 / 81
p0 210.3 ± 5.273
300
250
200
150
100
pull
Entries 82
Mean 469.3
Std Dev 431.4
1
0.5
0
−0.5
−1
−1.5

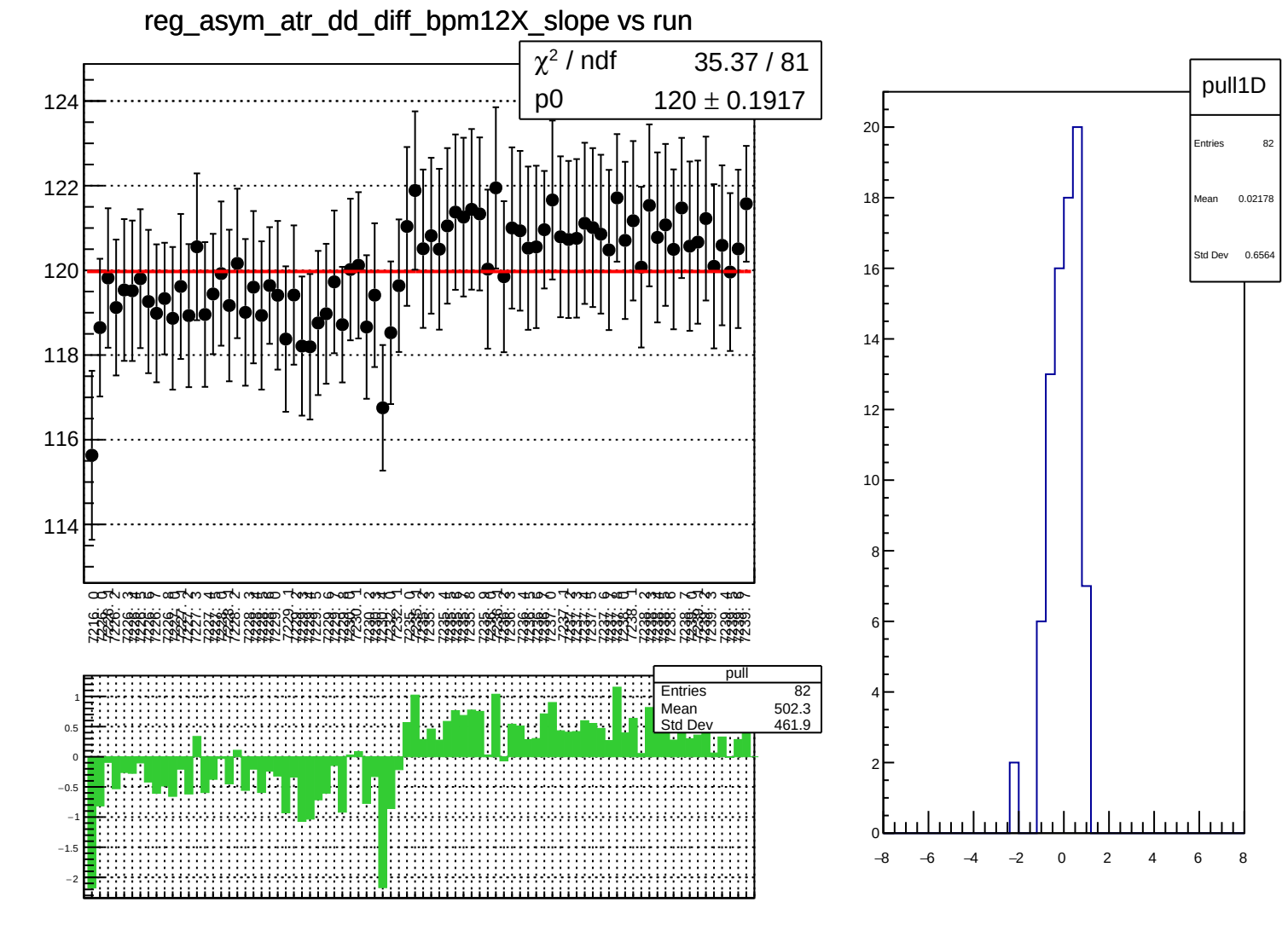

pull1D
Entries 82
Mean 0.01728
Std Dev 0.5768
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

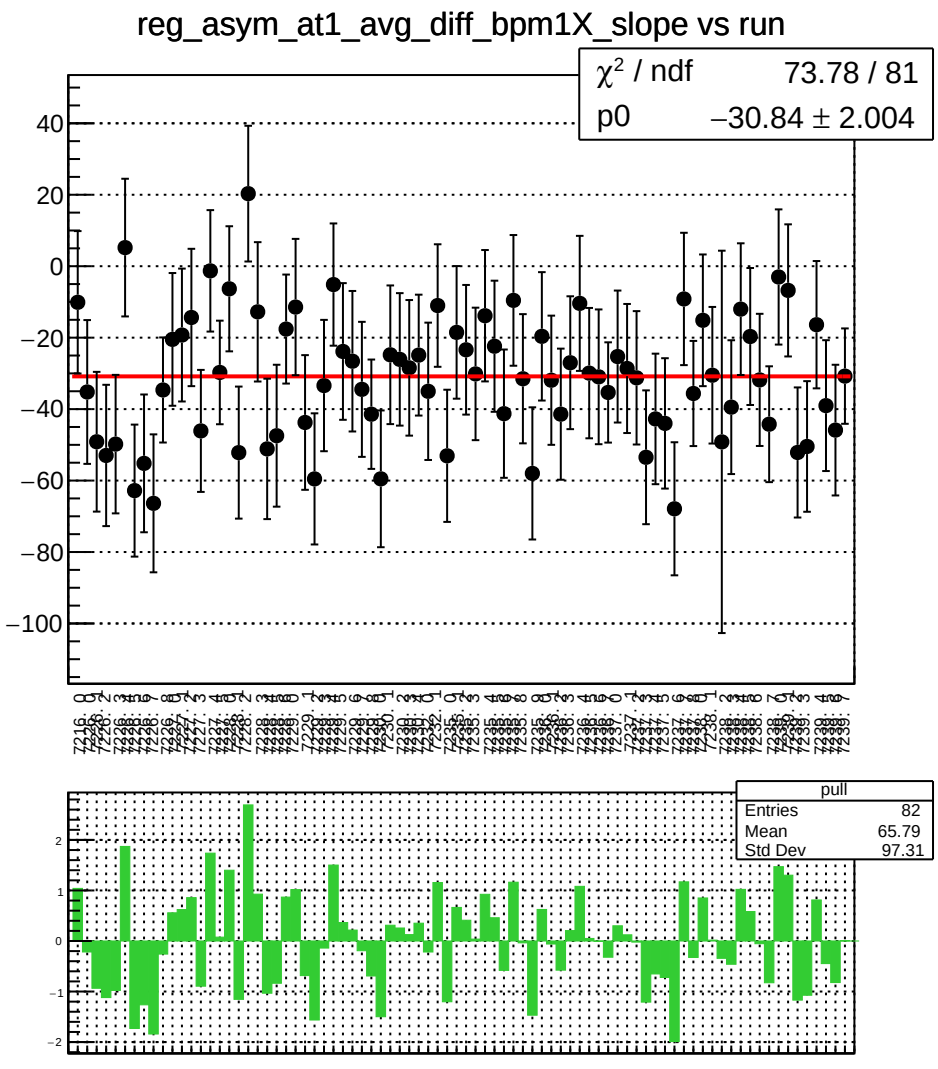

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.8 / 81
p0 −6.022 ± 4.025
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 375.3
Std Dev 336.4
1
0.5
0
−0.5
−1

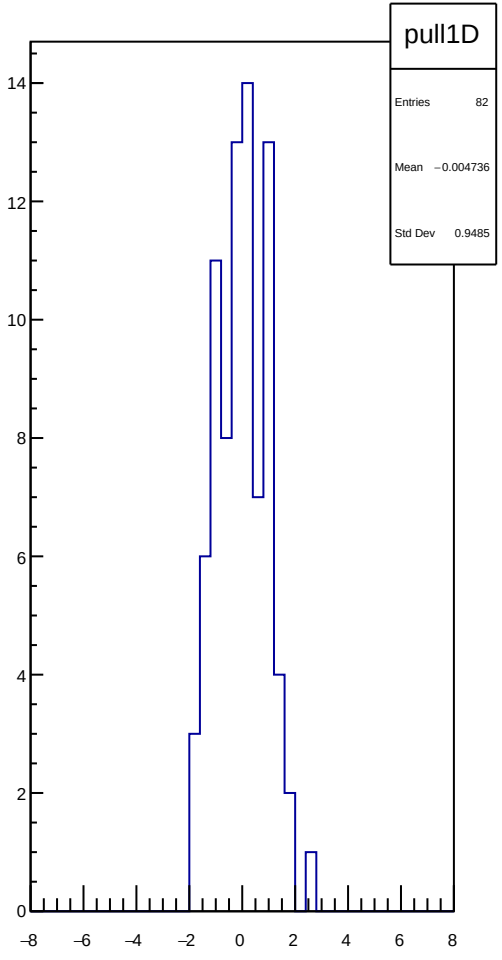

pull1D
Entries 82
Mean −0.0229
Std Dev 0.5267
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

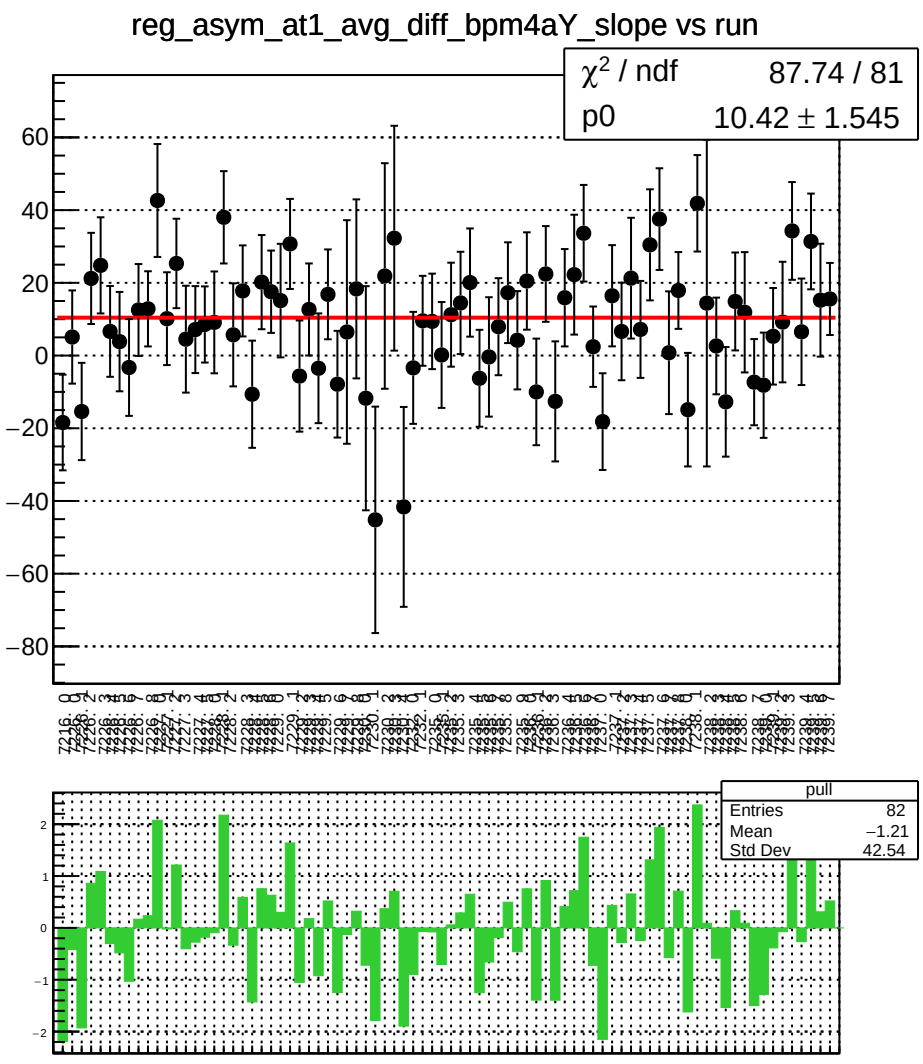

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.34 / 81
p0 −291.9 ± 5.389
pull
Entries 82
Mean 416.1
Std Dev 377.6
pull1D
Entries 82
Mean −0.02284
Std Dev 0.6079

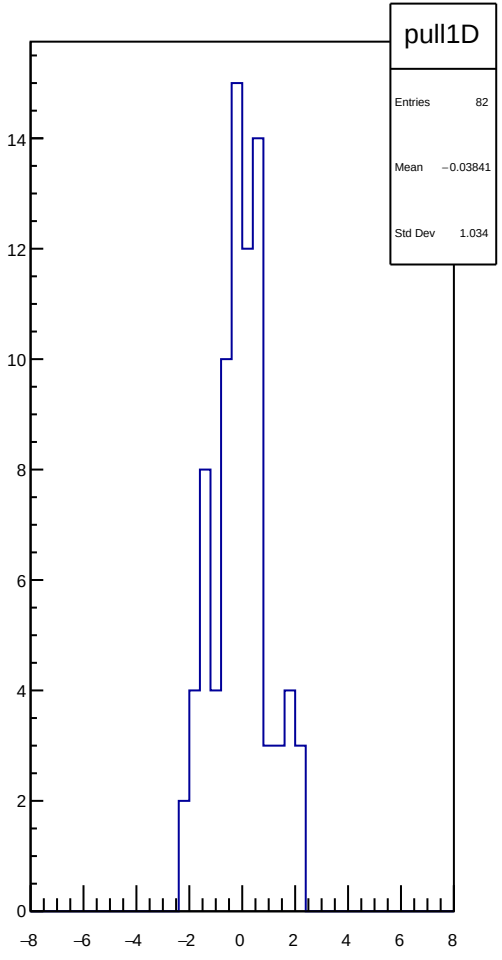

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.52 / 81
p0 −63.6 ± 4.429
pull
Entries 82
Mean 440.8
Std Dev 401.6
pull1D
Entries 82
Mean 0.01853
Std Dev 0.5237

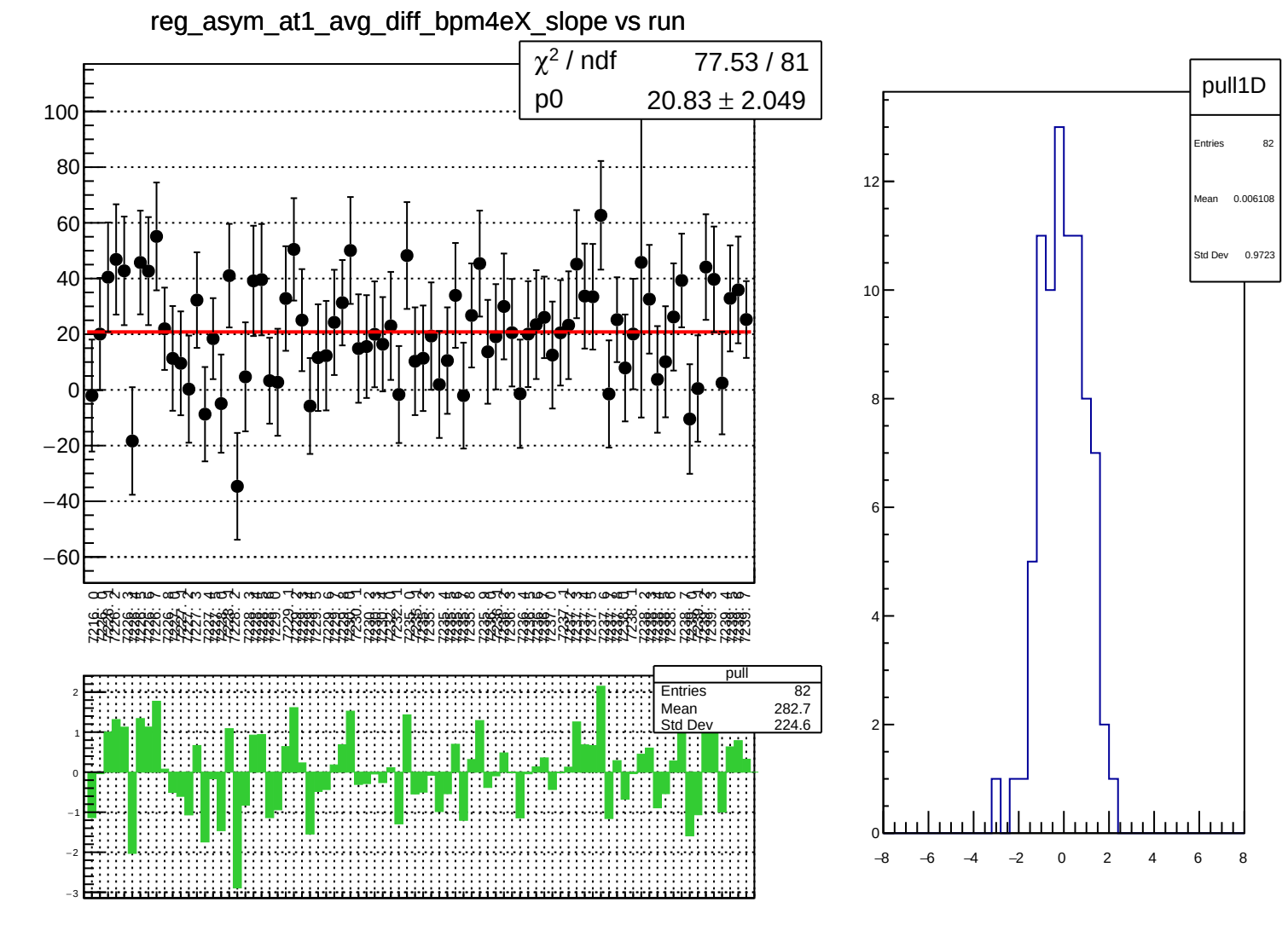

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 35.37 / 81
p0 120 ± 0.1917
124
122
120
118
116
114
pull
Entries 82
Mean 502.3
Std Dev 461.9
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.02178
Std Dev 0.6564
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

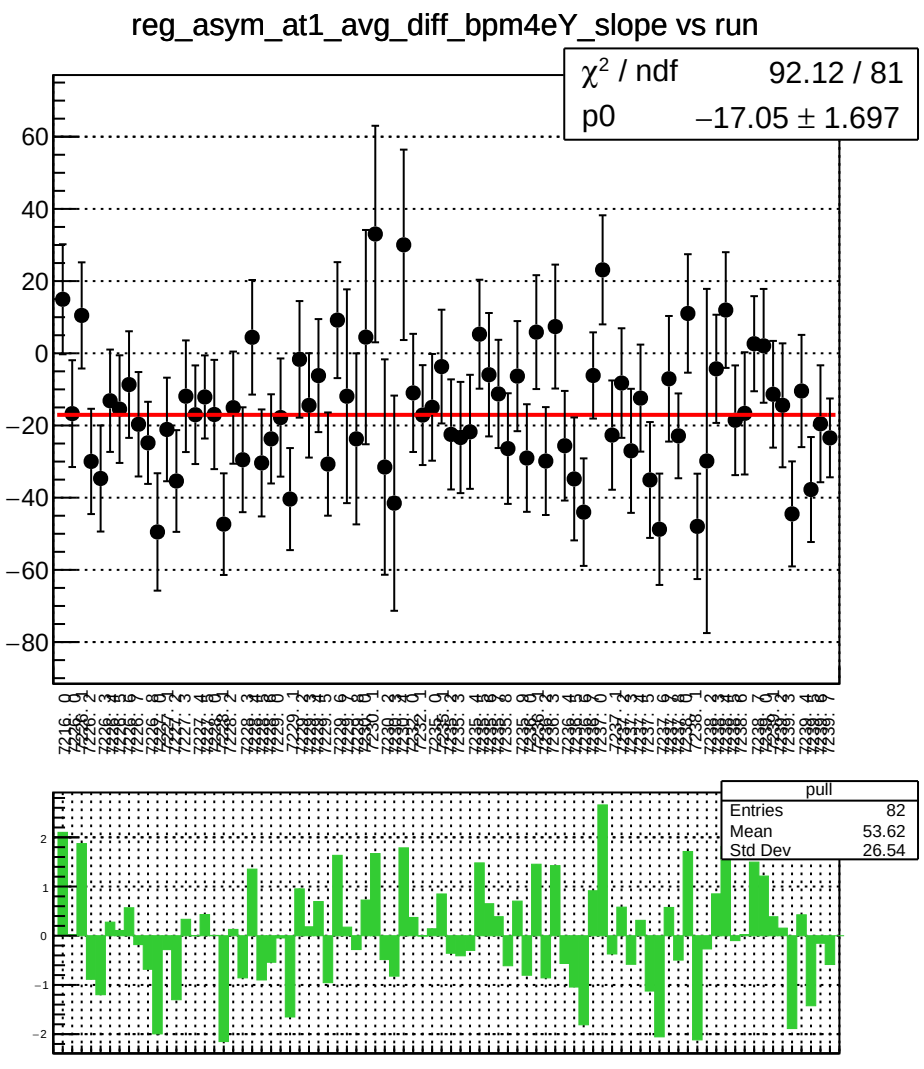

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 73.78 / 81
p0 −30.84 ± 2.004
pull
Entries 82
Mean 65.79
Std Dev 97.31

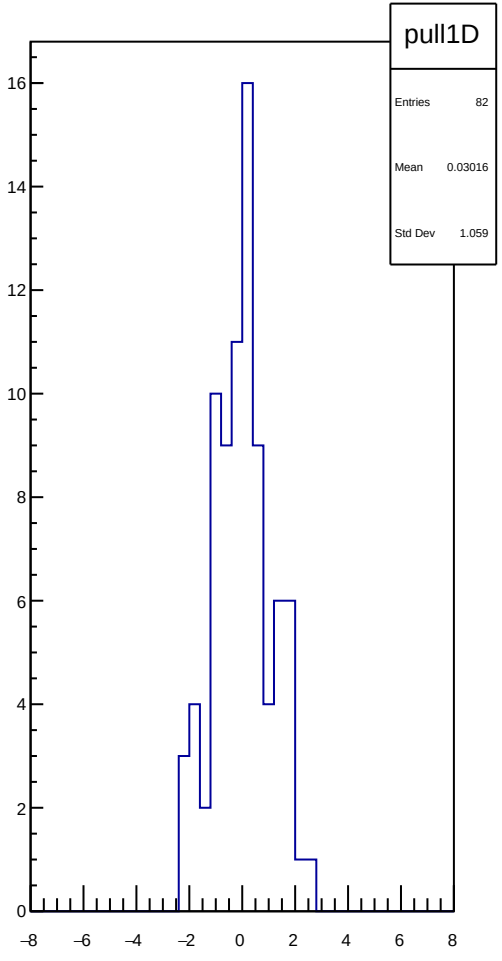

pull1D
Entries 82
Mean −0.004736
Std Dev 0.9485

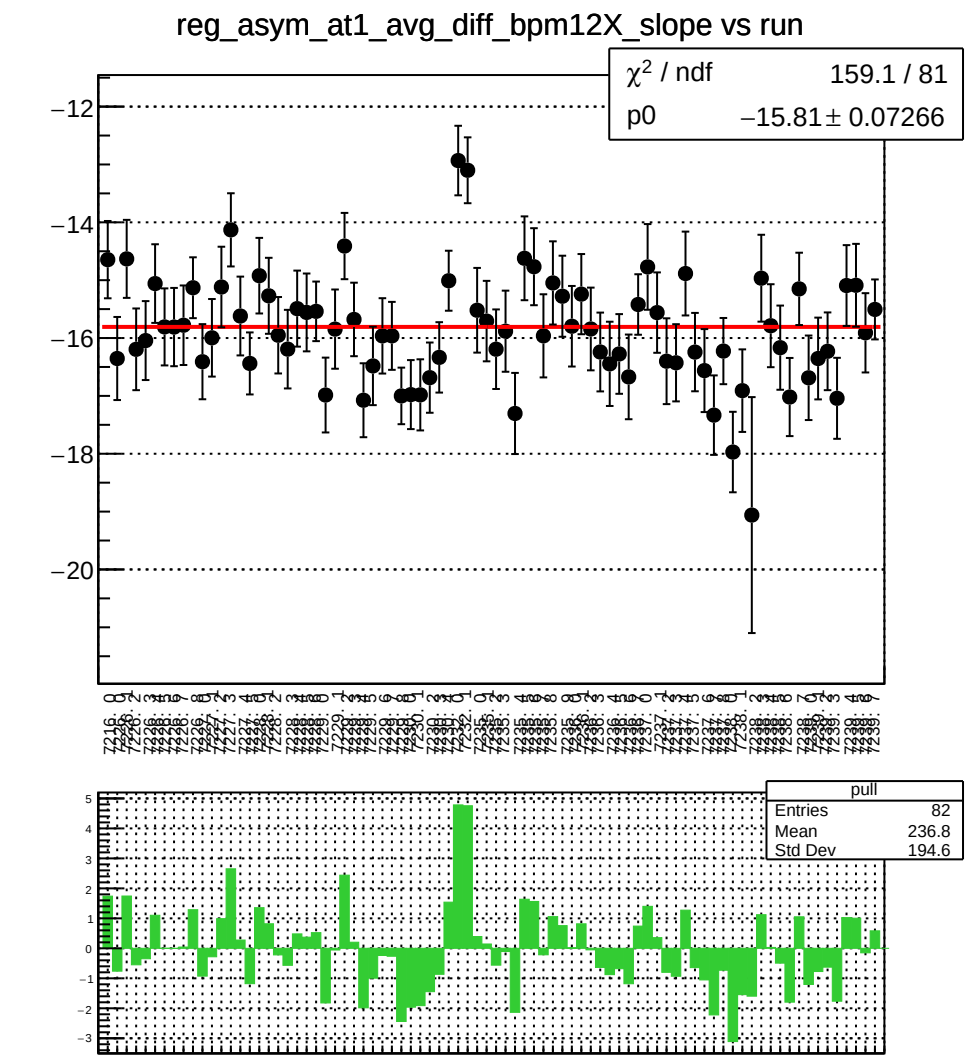

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.74 / 81
p0 10.42 ± 1.545
pull
Entries 82
Mean −1.21
Std Dev 42.54

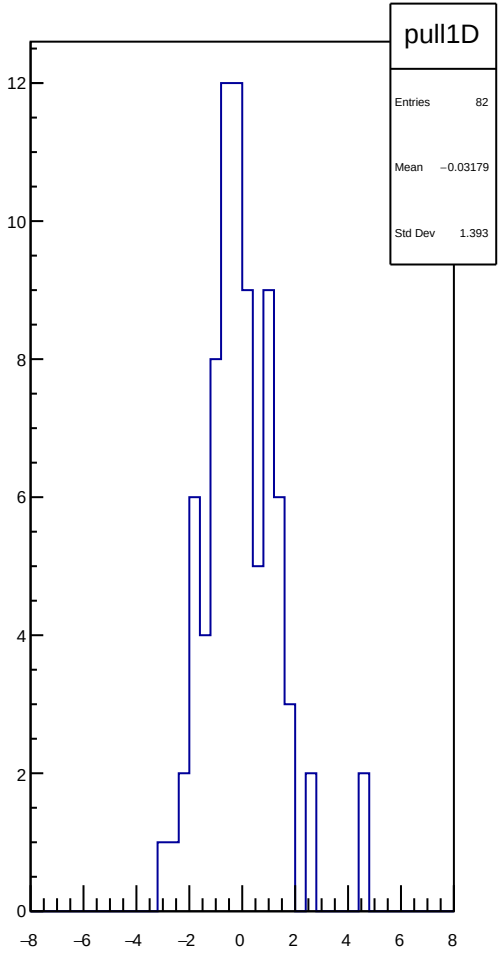

pull1D
Entries 82
Mean −0.03841
Std Dev 1.034

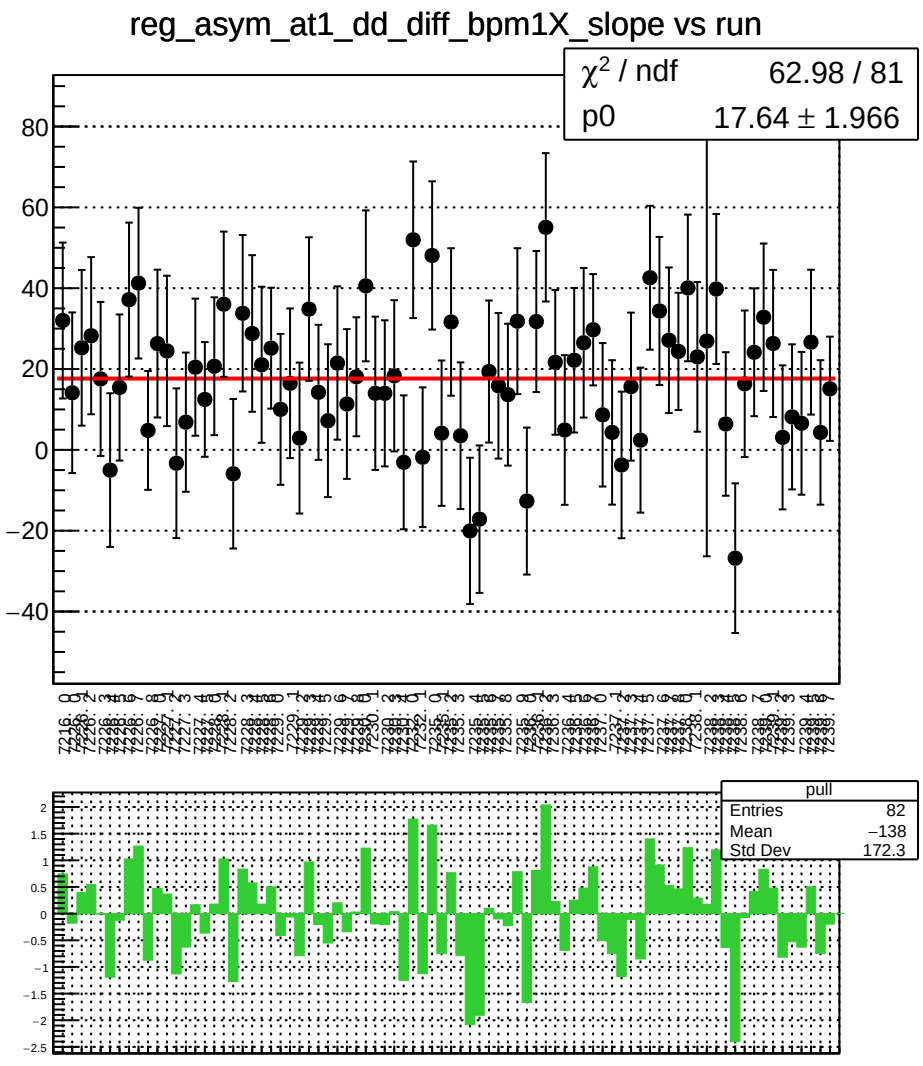

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 77.53 / 81
p0 20.83 ± 2.049
pull
Entries 82
Mean 282.7
Std Dev 224.6
pull1D
Entries 82
Mean 0.006108
Std Dev 0.9723

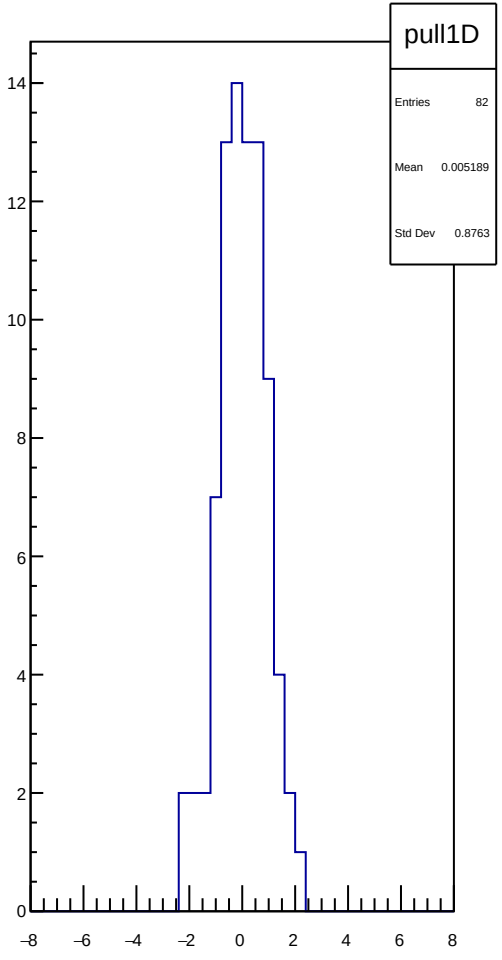

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 92.12 / 81
p0 −17.05 ± 1.697
pull
Entries 82
Mean 53.62
Std Dev 26.54

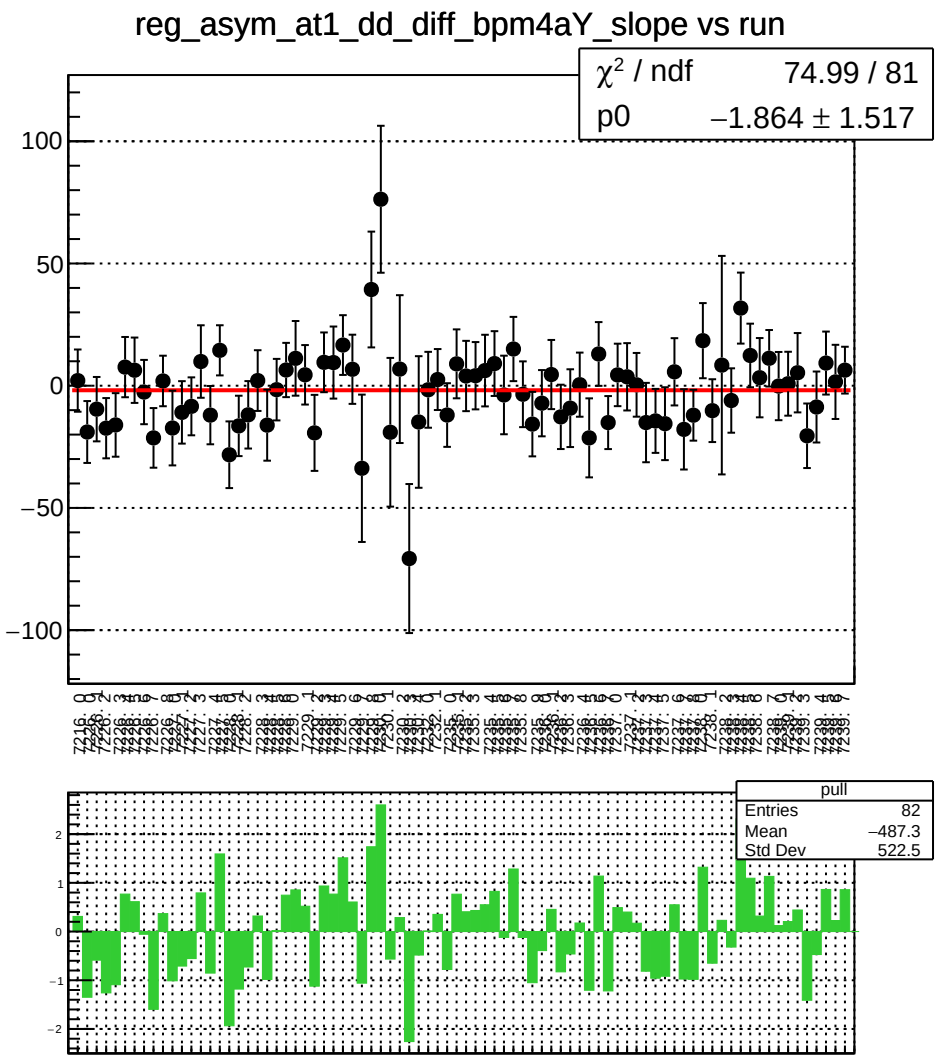

pull1D
Entries 82
Mean 0.03016
Std Dev 1.059

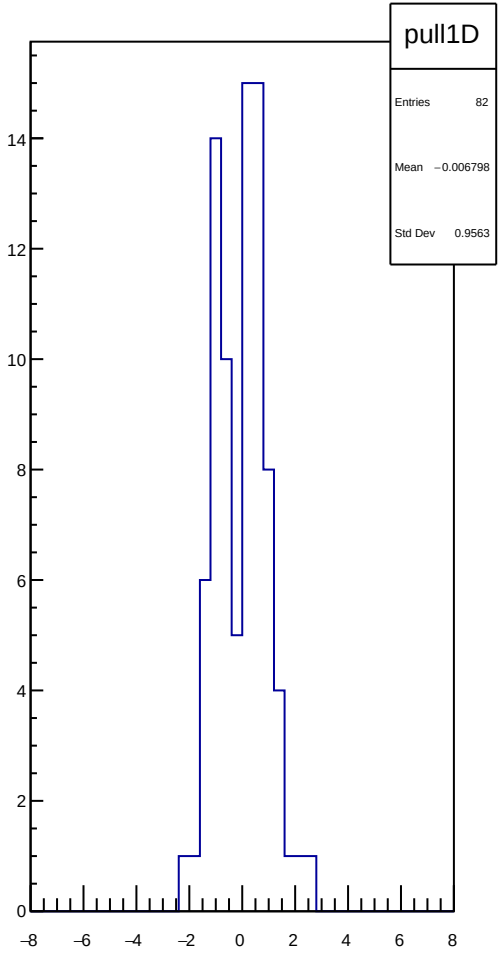

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 159.1 / 81
p0 −15.81 ± 0.07266
−12
−14
−16
−18
−20
pull
Entries 82
Mean 236.8
Std Dev 194.6
5
4
3
2
1
0
−1
−2
−3

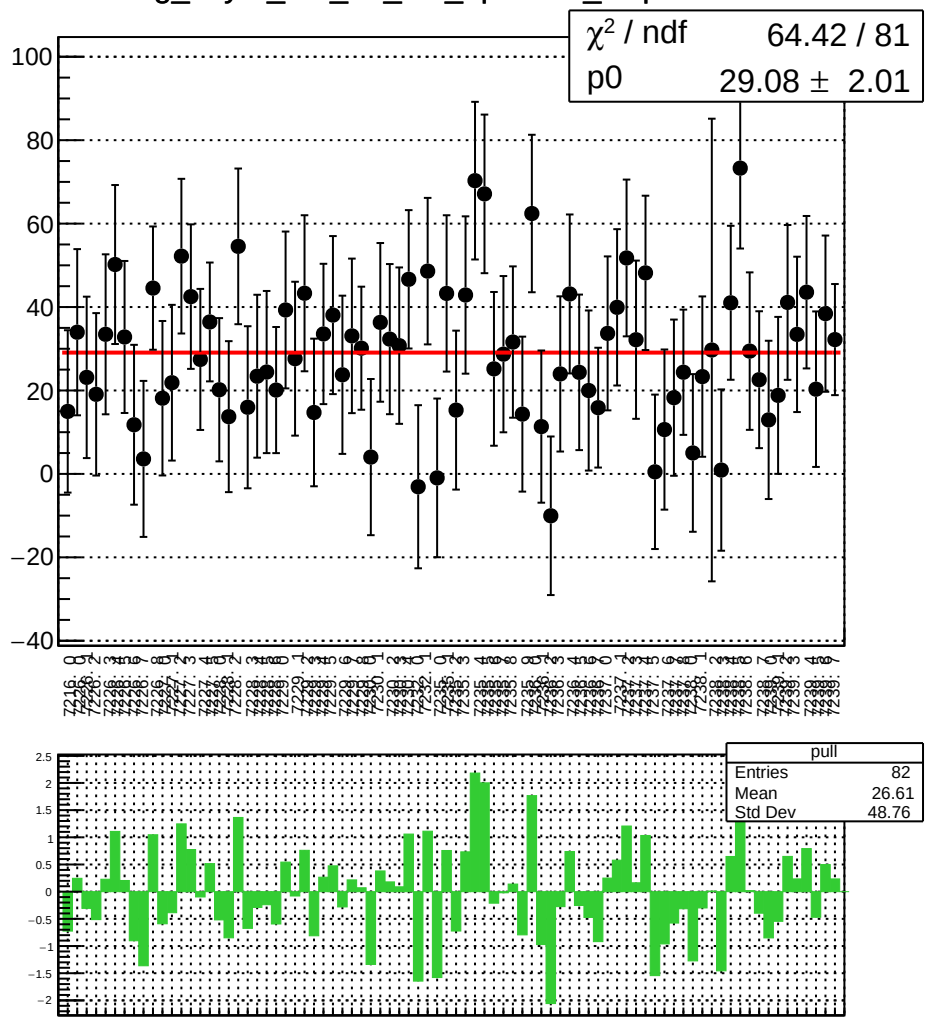

pull1D
Entries 82
Mean −0.03179
Std Dev 1.393
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

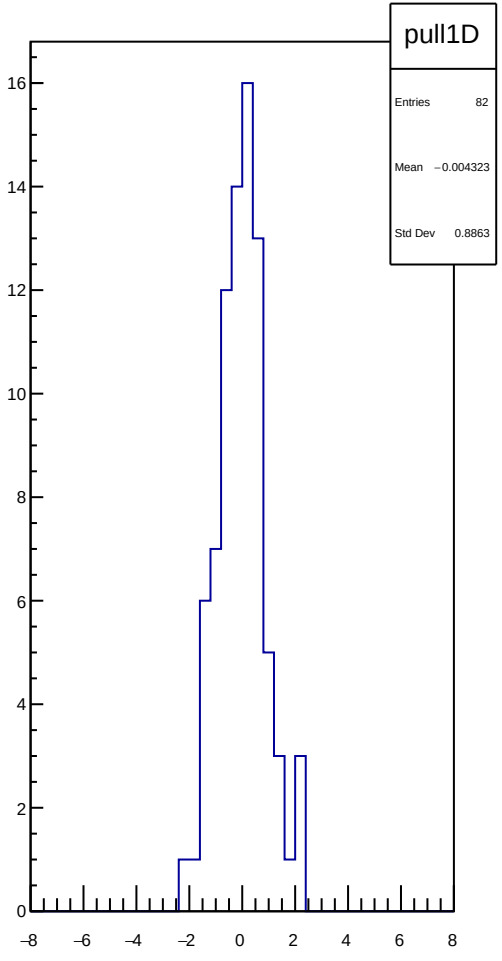

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 62.98 / 81
p0 17.64 ± 1.966
pull
Entries 82
Mean −138
Std Dev 172.3

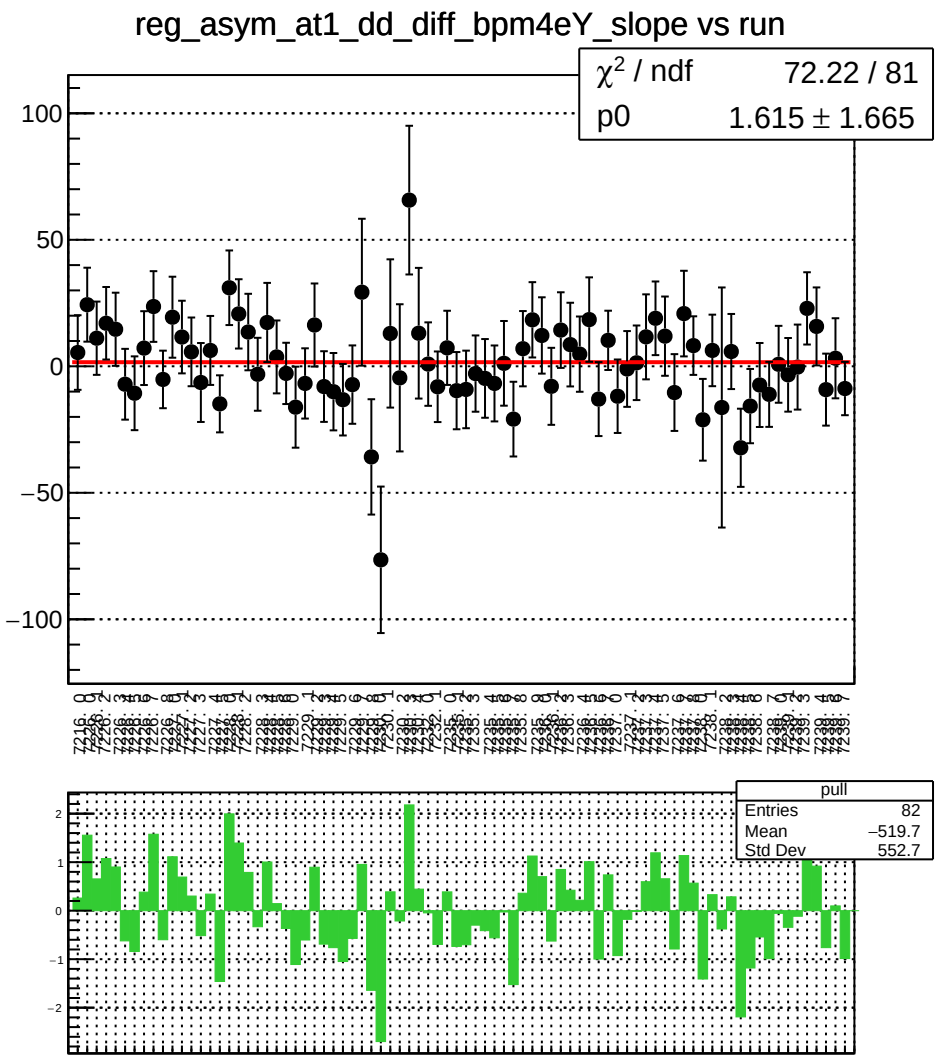

pull1D
Entries 82
Mean 0.005189
Std Dev 0.8763

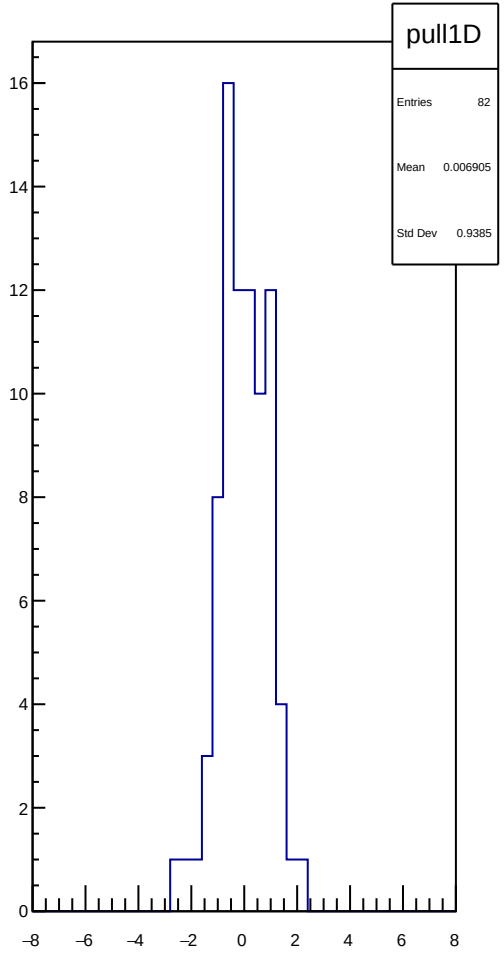

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.99 / 81
p0 −1.864 ± 1.517
100
50
0
−50
−100
pull
Entries 82
Mean −487.3
Std Dev 522.5
2
1
0
−1
−2

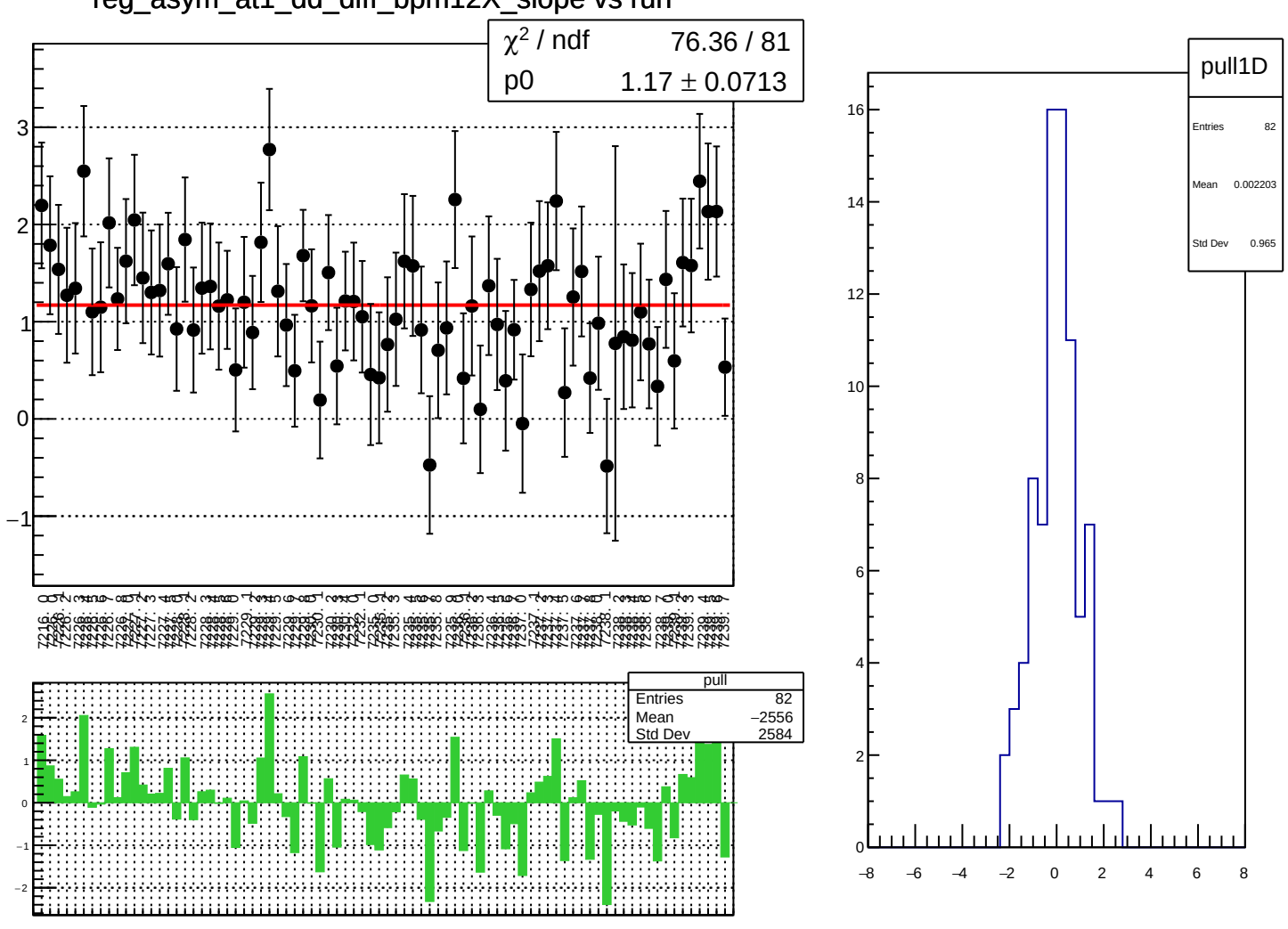

pull1D
Entries 82
Mean −0.006798
Std Dev 0.9563
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

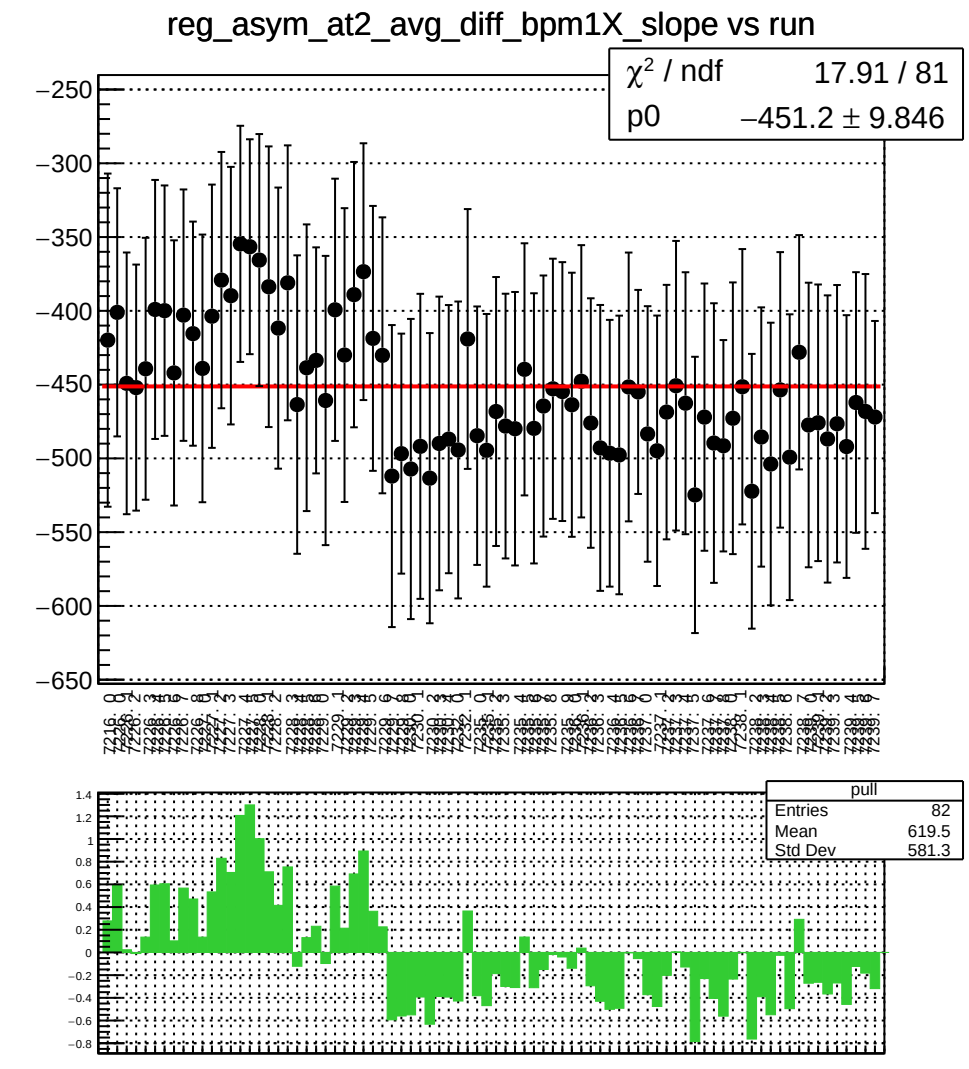

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.42 / 81
p0 29.08 ± 2.01
pull
Entries 82
Mean 26.61
Std Dev 48.76

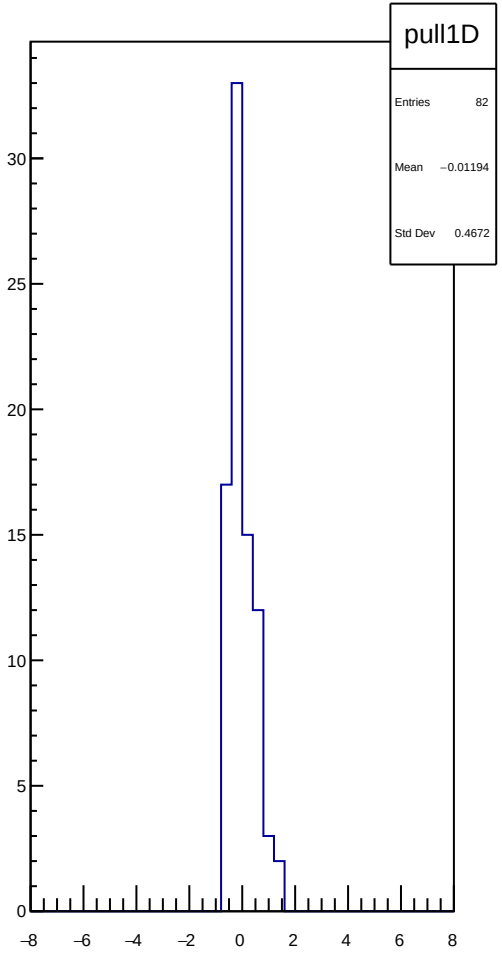

pull1D
Entries 82
Mean −0.004323
Std Dev 0.8863

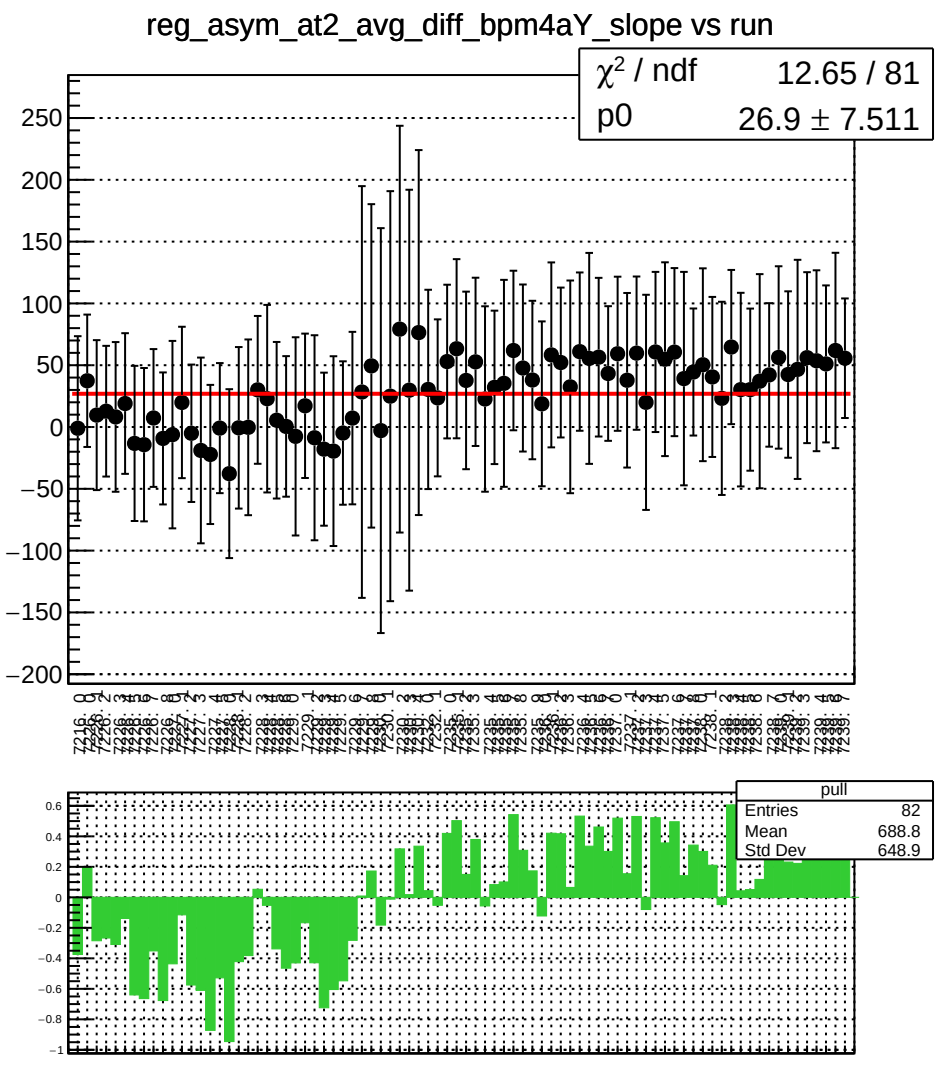

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.22 / 81
p0 1.615 ± 1.665
100
50
0
−50
−100
pull
Entries 82
Mean −519.7
Std Dev 552.7
2
1
0
−1
−2

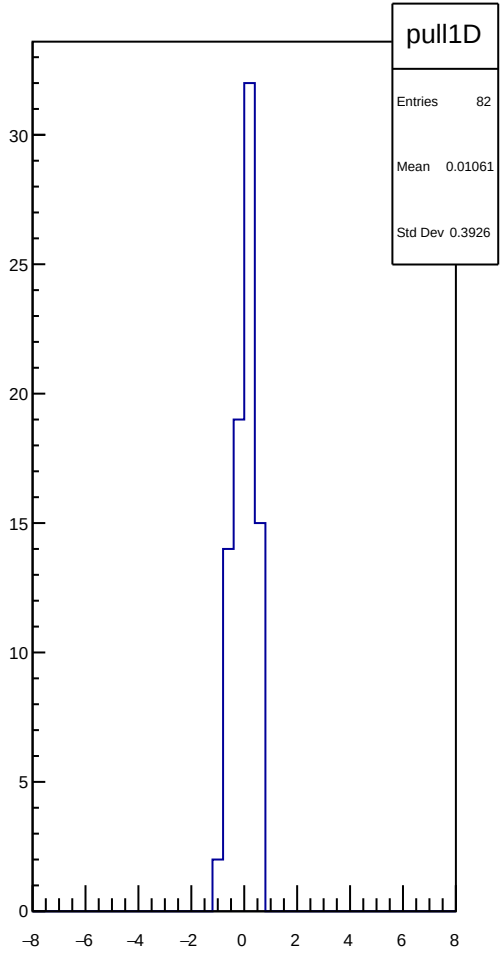

pull1D
Entries 82
Mean 0.006905
Std Dev 0.9385
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

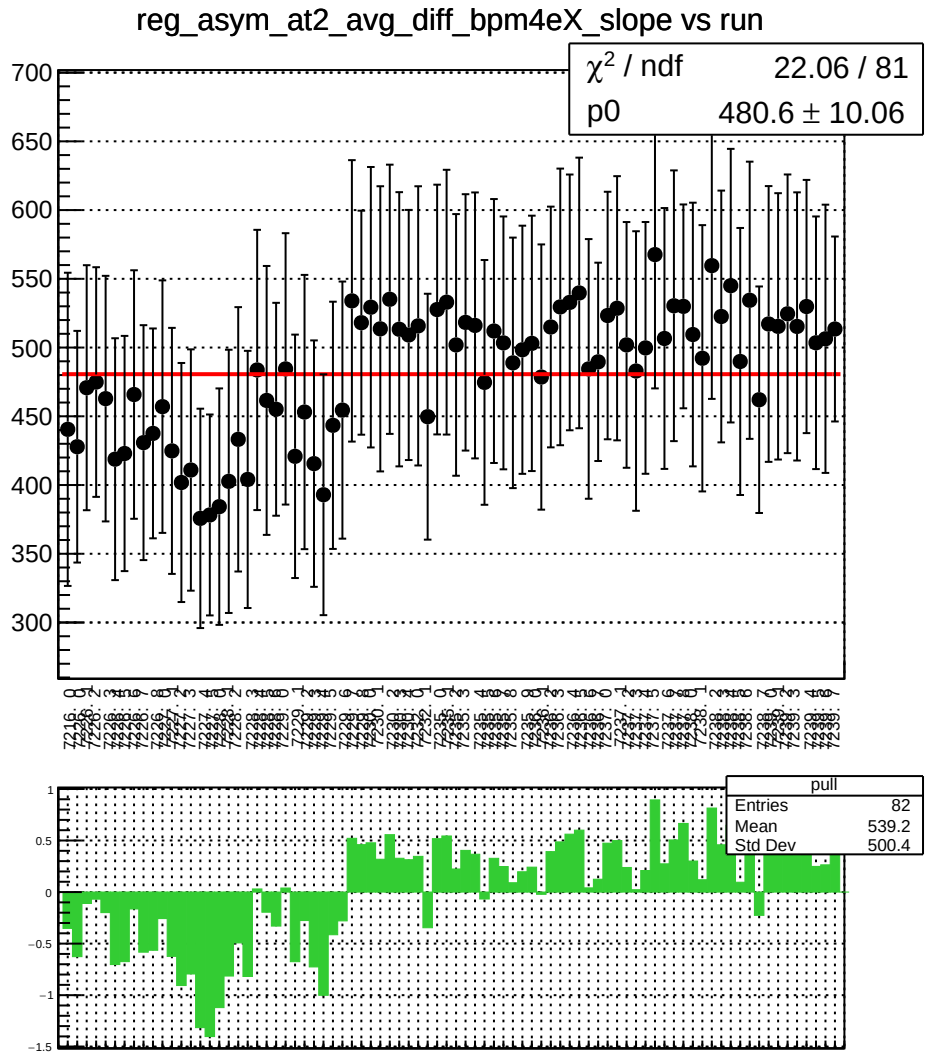

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 76.36 / 81
p0 1.17 ± 0.0713
pull
Entries 82
Mean −2556
Std Dev 2584
pull1D
Entries 82
Mean 0.002203
Std Dev 0.965

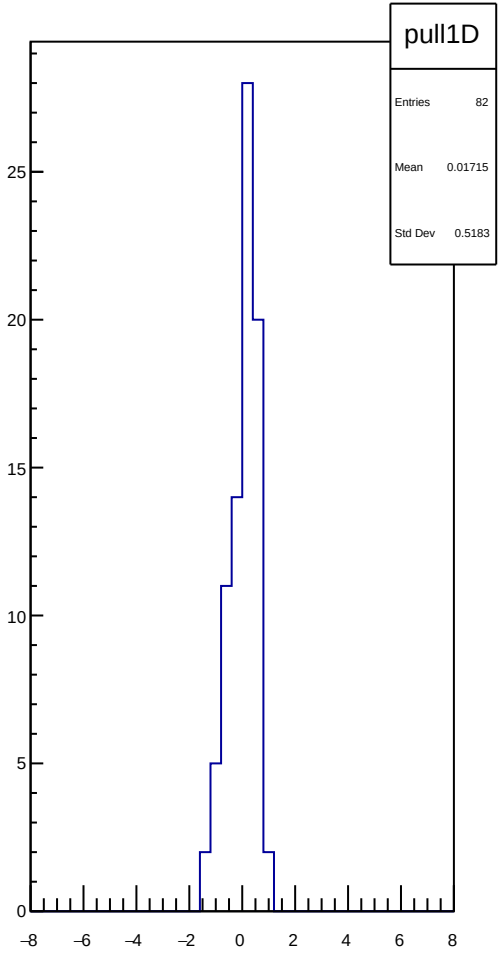

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 17.91 / 81
p0 −451.2 ± 9.846
pull
Entries 82
Mean 619.5
Std Dev 581.3

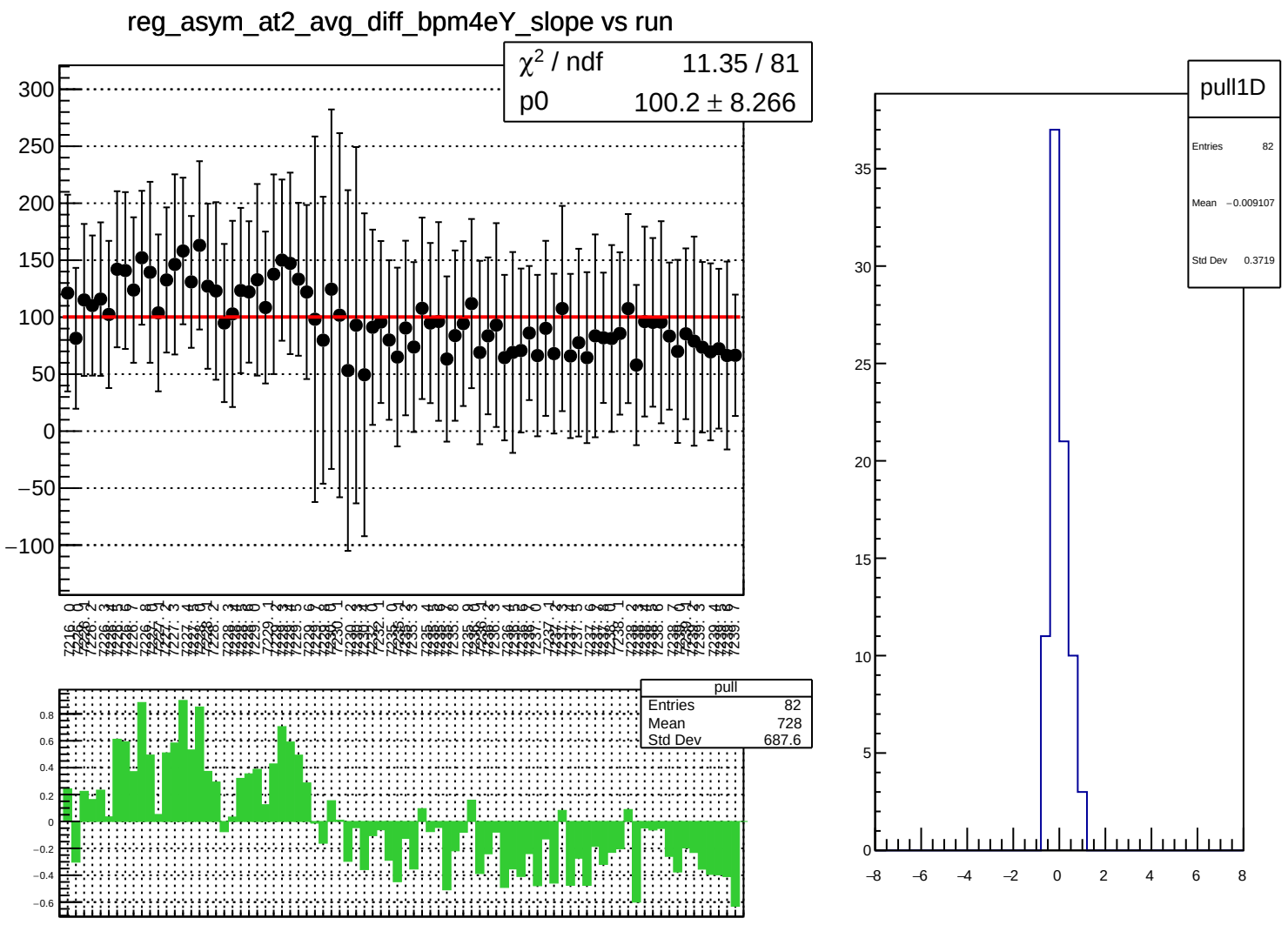

pull1D
Entries 82
Mean −0.01194
Std Dev 0.4672

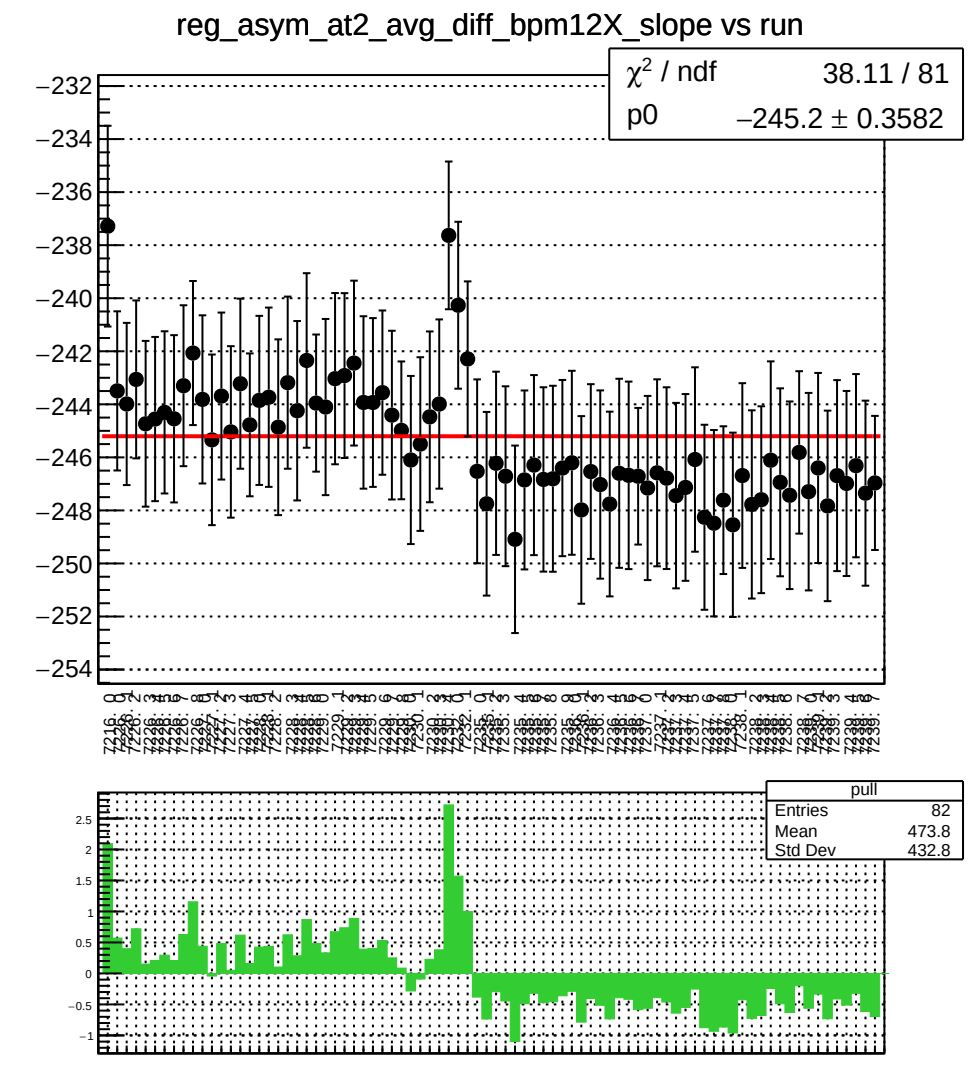

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.65 / 81
p0 26.9 ± 7.511
pull
Entries 82
Mean 688.8
Std Dev 648.9

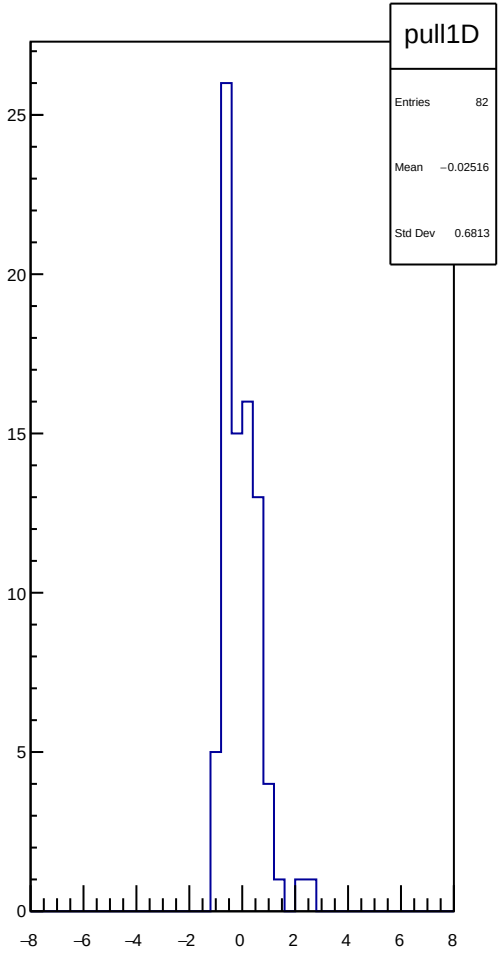

pull1D
Entries 82
Mean 0.01061
Std Dev 0.3926

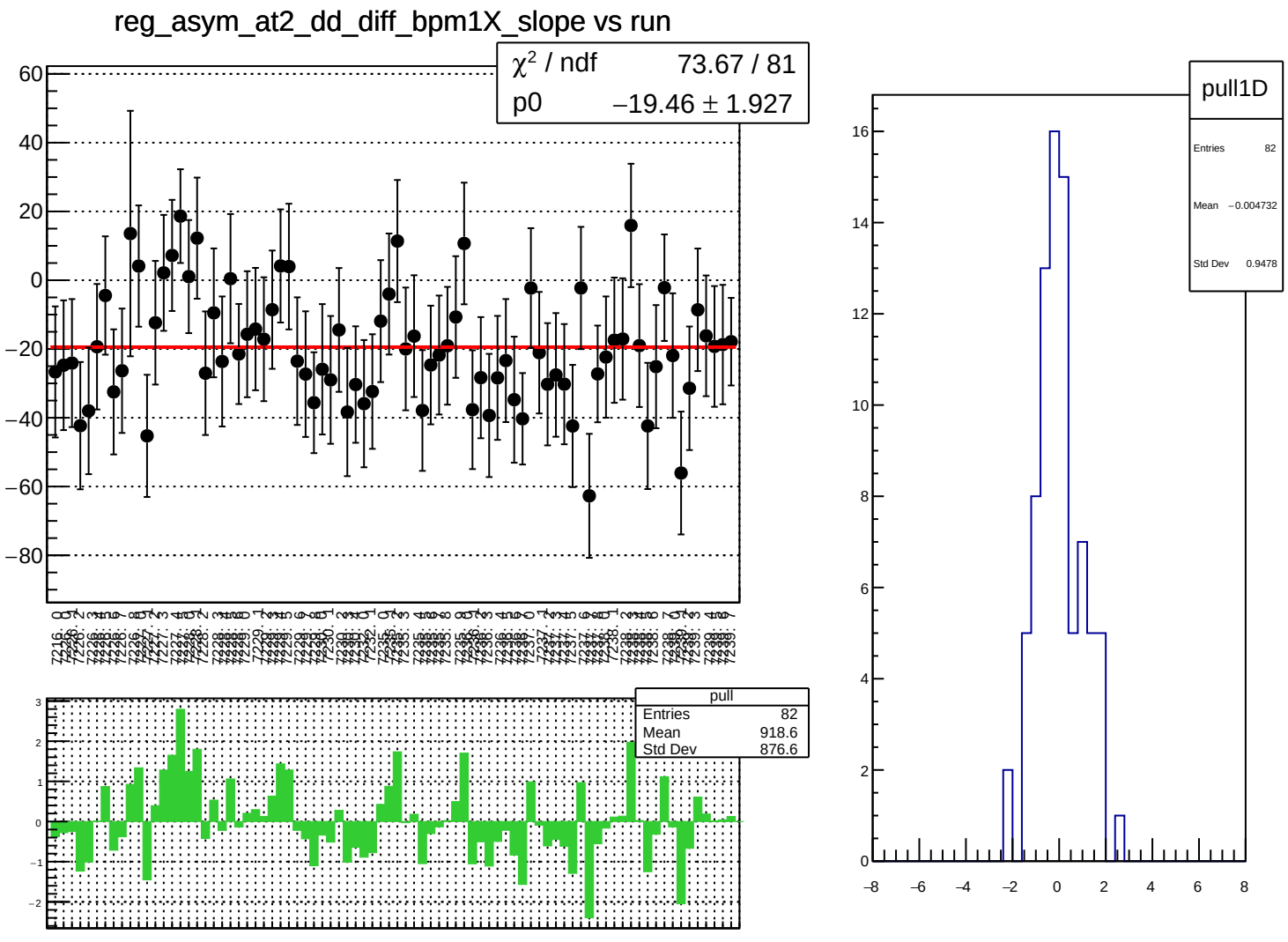

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 22.06 / 81
p0 480.6 ± 10.06
pull
Entries 82
Mean 539.2
Std Dev 500.4

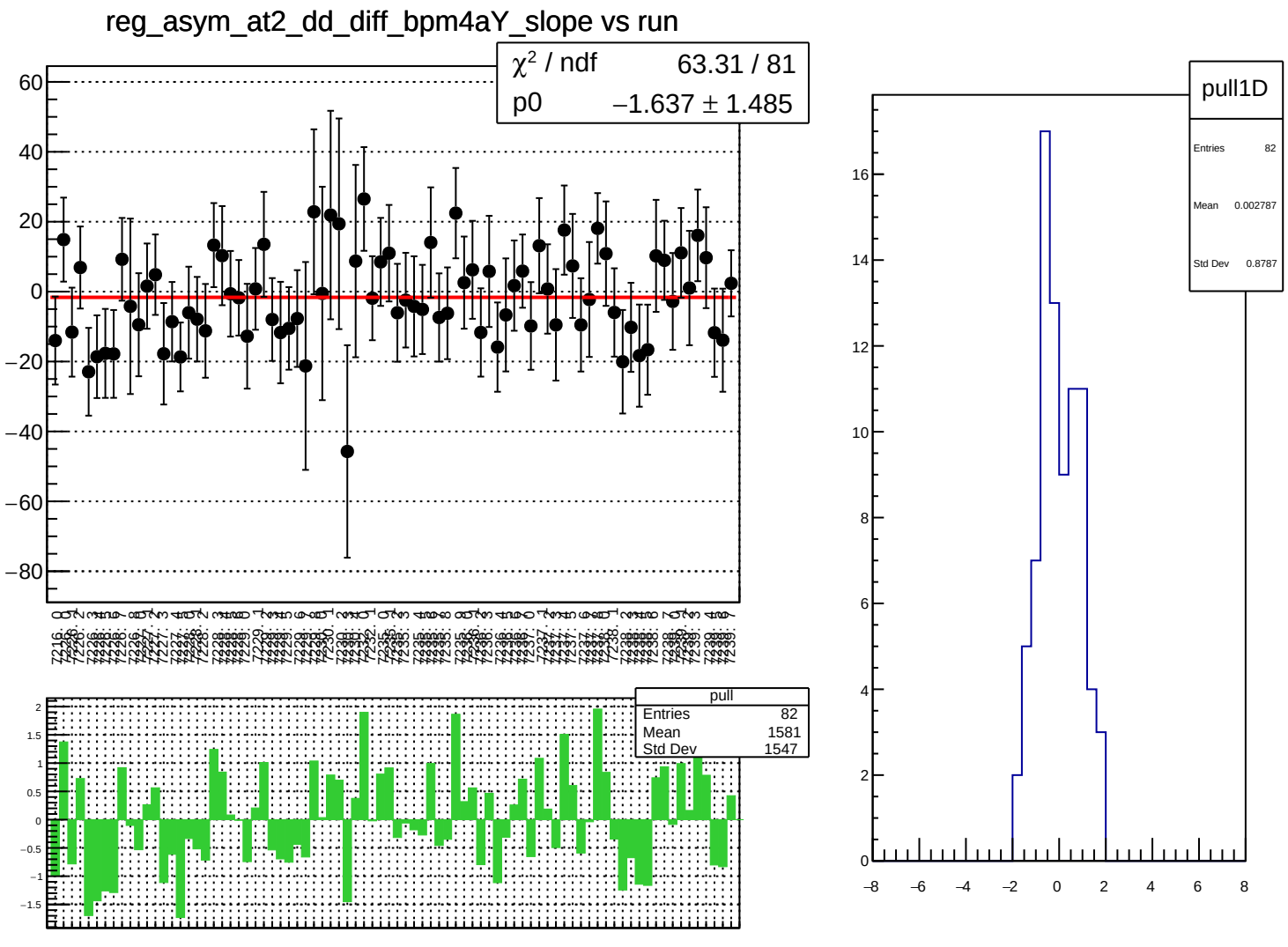

pull1D
Entries 82
Mean 0.01715
Std Dev 0.5183

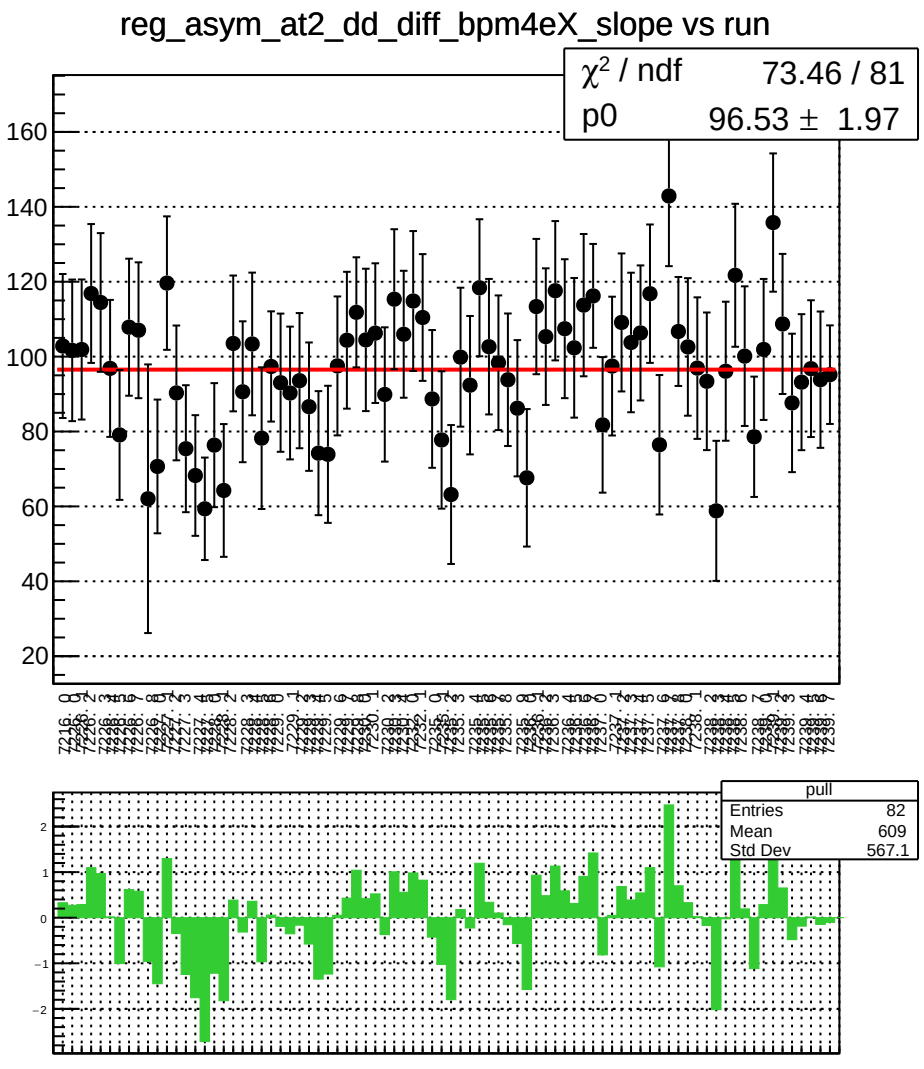

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.35 / 81
p0 100.2 ± 8.266
pull
Entries 82
Mean 728
Std Dev 687.6
pull1D
Entries 82
Mean −0.009107
Std Dev 0.3719

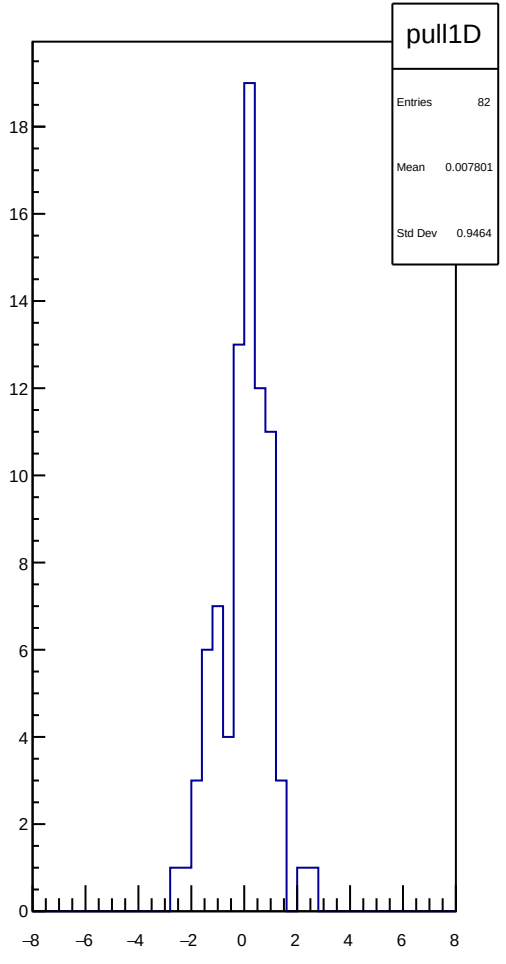

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 38.11 / 81
p0 −245.2 ± 0.3582
pull
Entries 82
Mean 473.8
Std Dev 432.8

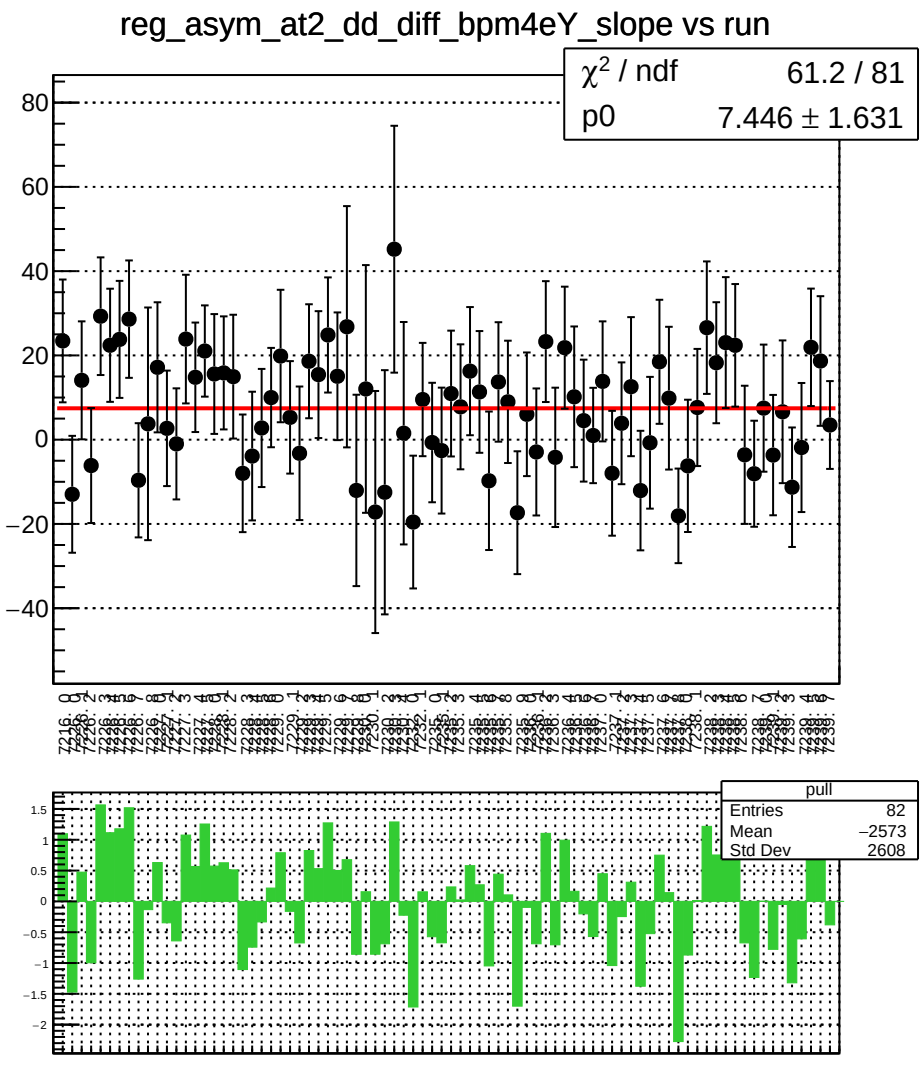

pull1D
Entries 82
Mean −0.02516
Std Dev 0.6813

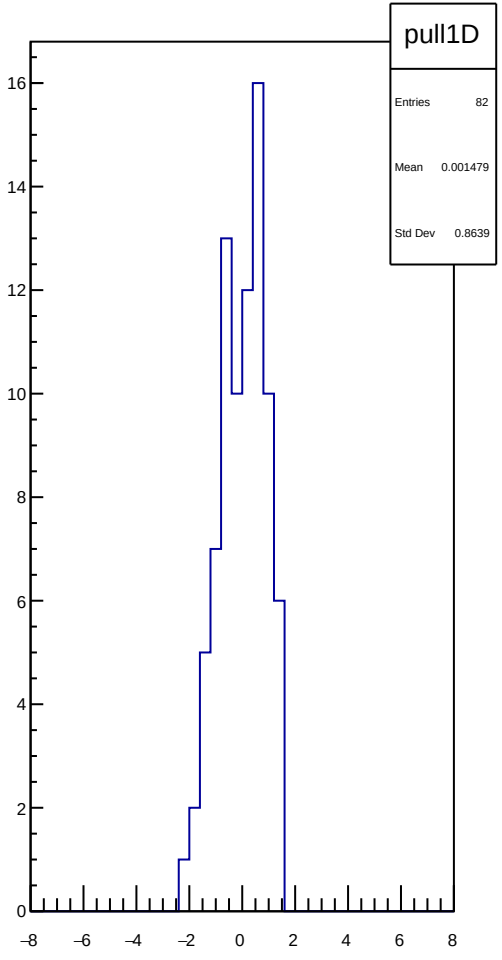

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 73.67 / 81
p0 −19.46 ± 1.927
pull
Entries 82
Mean 918.6
Std Dev 876.6
pull1D
Entries 82
Mean −0.004732
Std Dev 0.9478

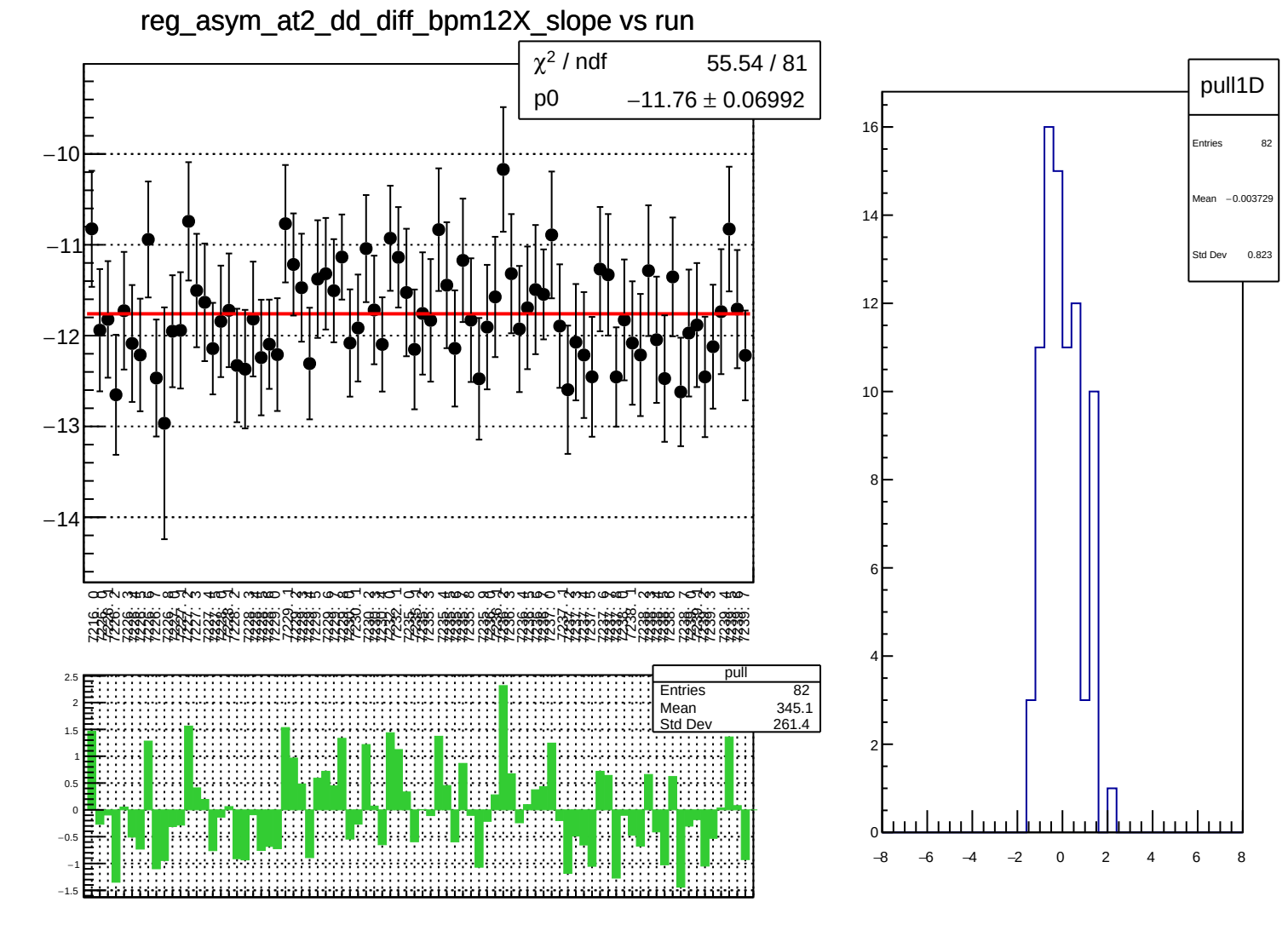

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.31 / 81
p0 −1.637 ± 1.485
pull
Entries 82
Mean 1581
Std Dev 1547
pull1D
Entries 82
Mean 0.002787
Std Dev 0.8787

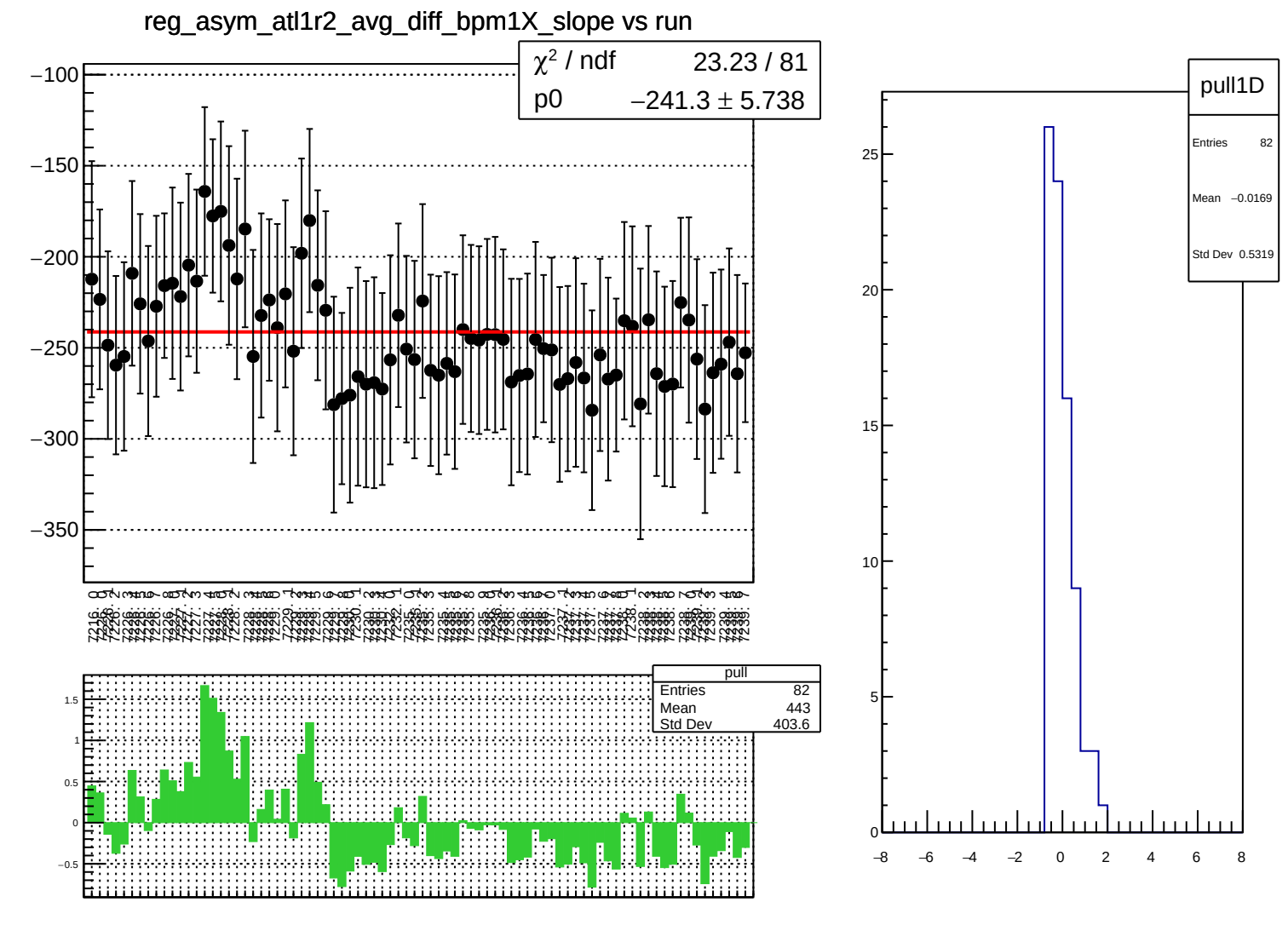

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.46 / 81
p0 96.53 ± 1.97
pull
Entries 82
Mean 609
Std Dev 567.1

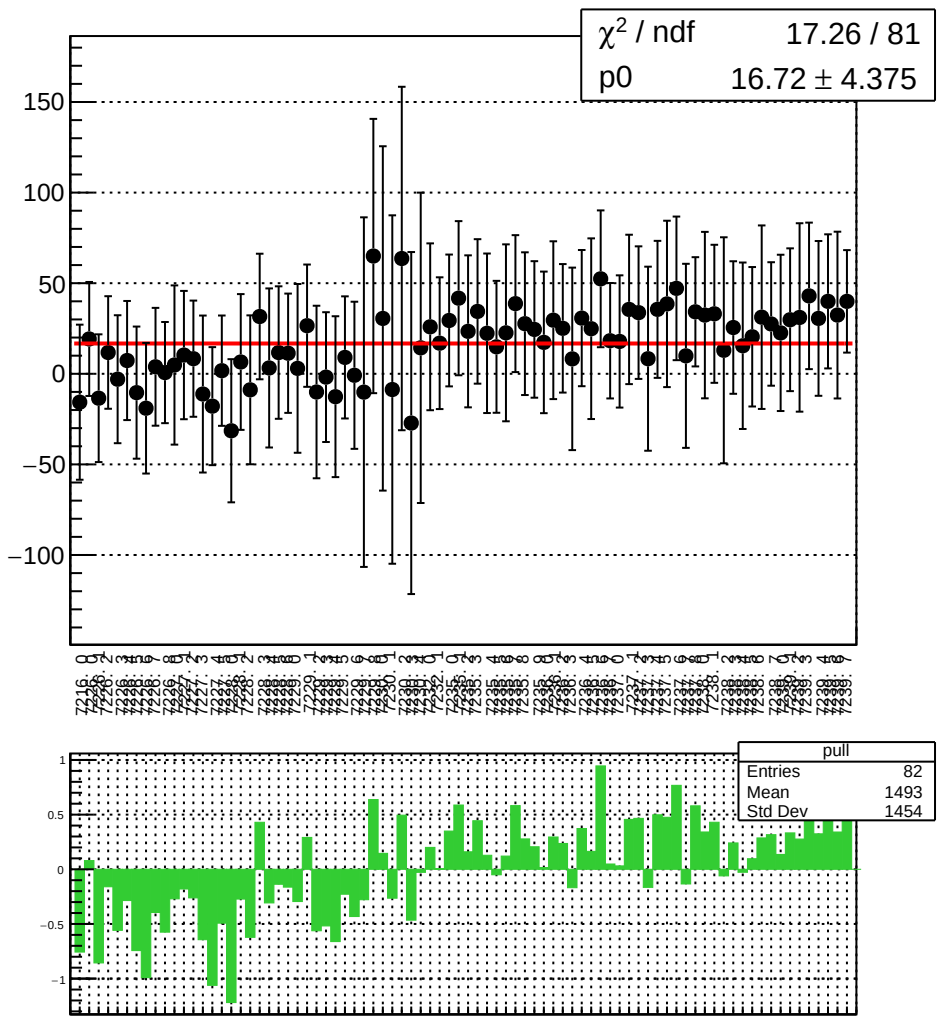

pull1D
Entries 82
Mean 0.007801
Std Dev 0.9464

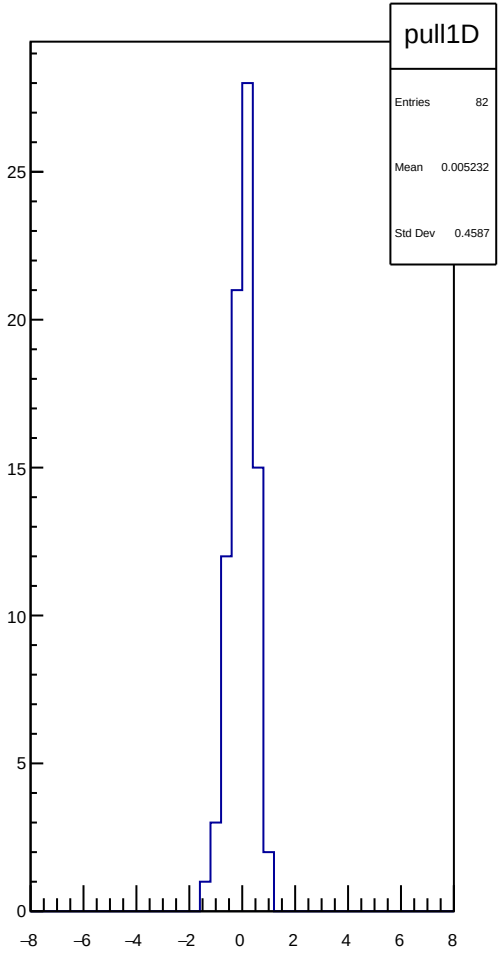

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.2 / 81
p0 7.446 ± 1.631
pull
Entries 82
Mean −2573
Std Dev 2608

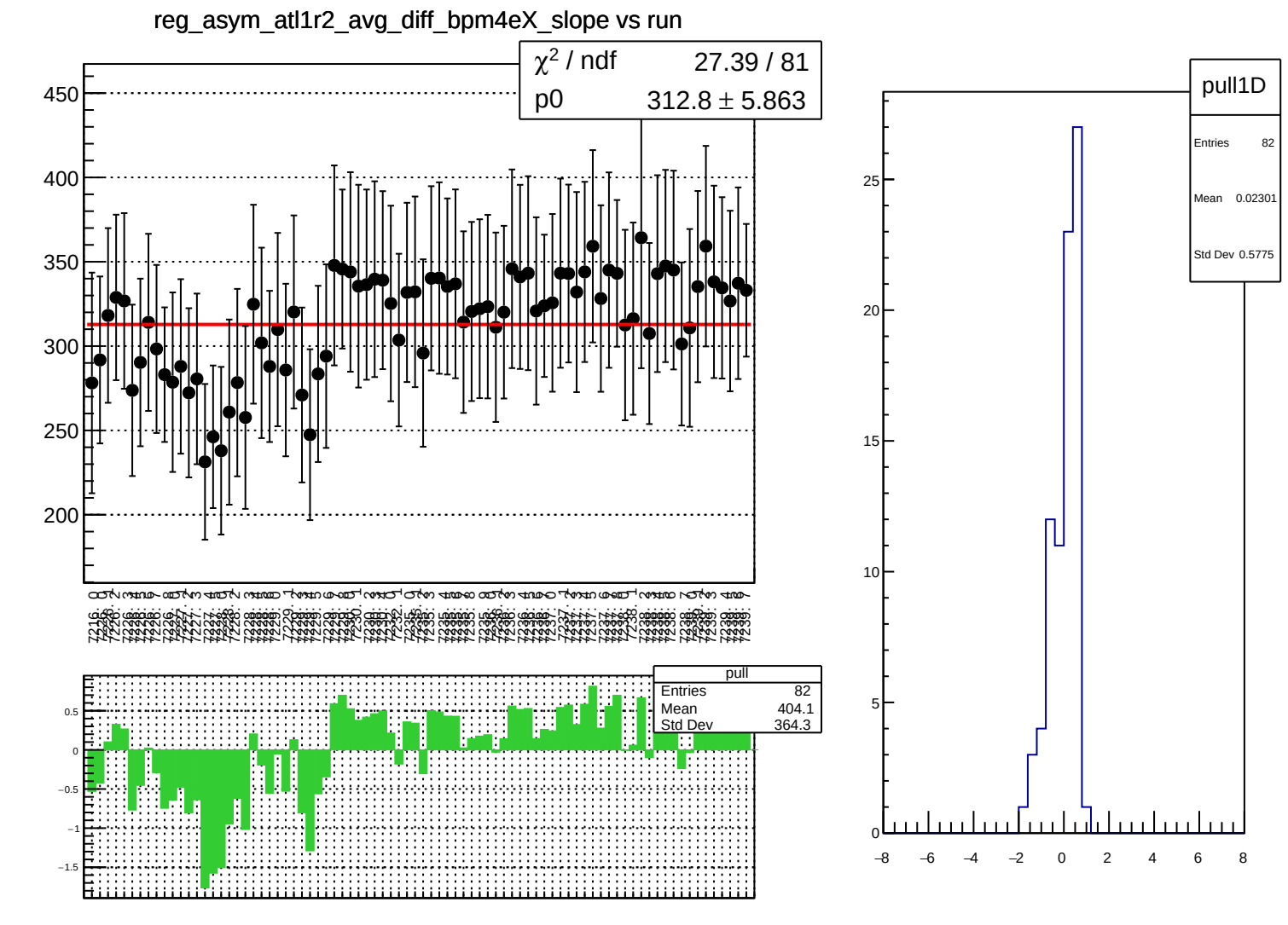

pull1D
Entries 82
Mean 0.001479
Std Dev 0.8639

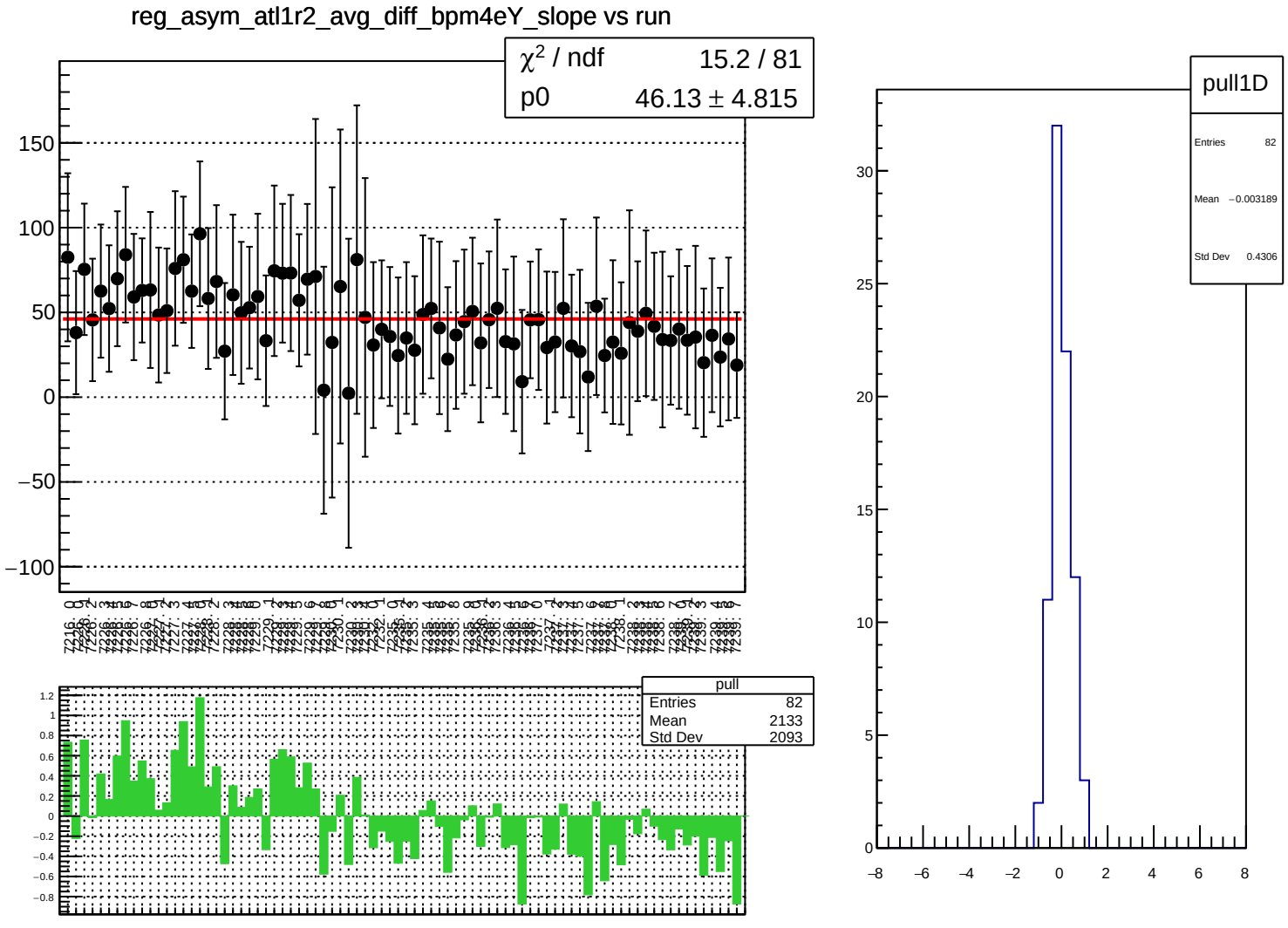

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 55.54 / 81
p0 −11.76 ± 0.06992
pull
Entries 82
Mean 345.1
Std Dev 261.4
pull1D
Entries 82
Mean −0.003729
Std Dev 0.823

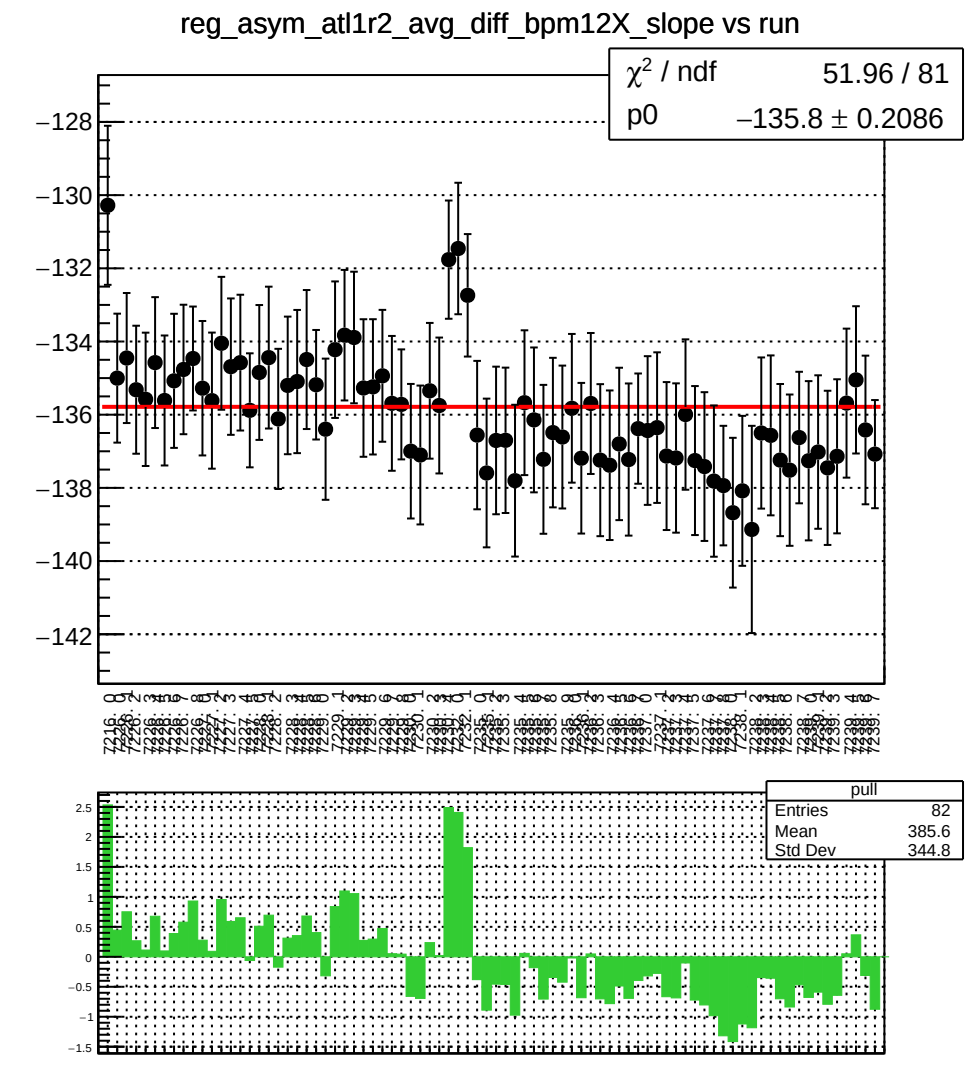

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 23.23 / 81
p0 −241.3 ± 5.738
pull
Entries 82
Mean 443
Std Dev 403.6
pull1D
Entries 82
Mean −0.0169
Std Dev 0.5319

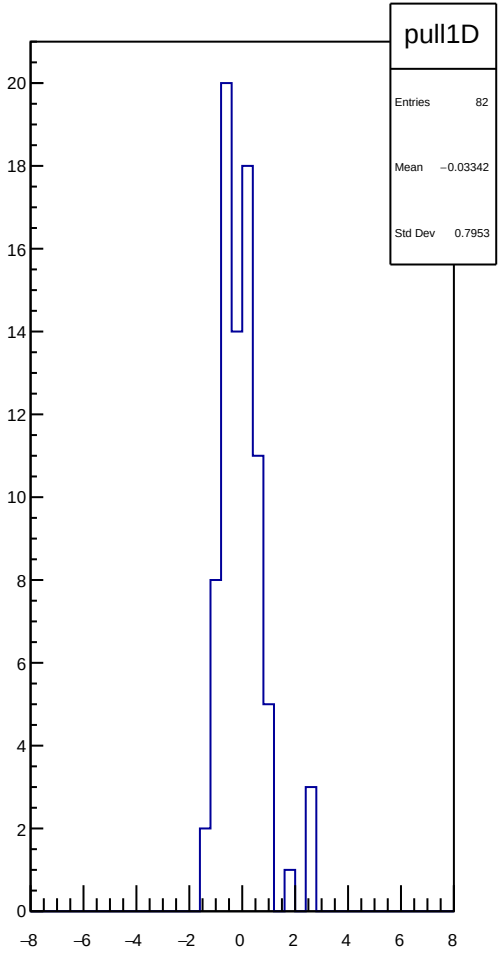

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.26 / 81
p0 16.72 ± 4.375
150
100
50
0
−50
−100
pull
Entries 82
Mean 1493
Std Dev 1454
1
0.5
0
−0.5
−1

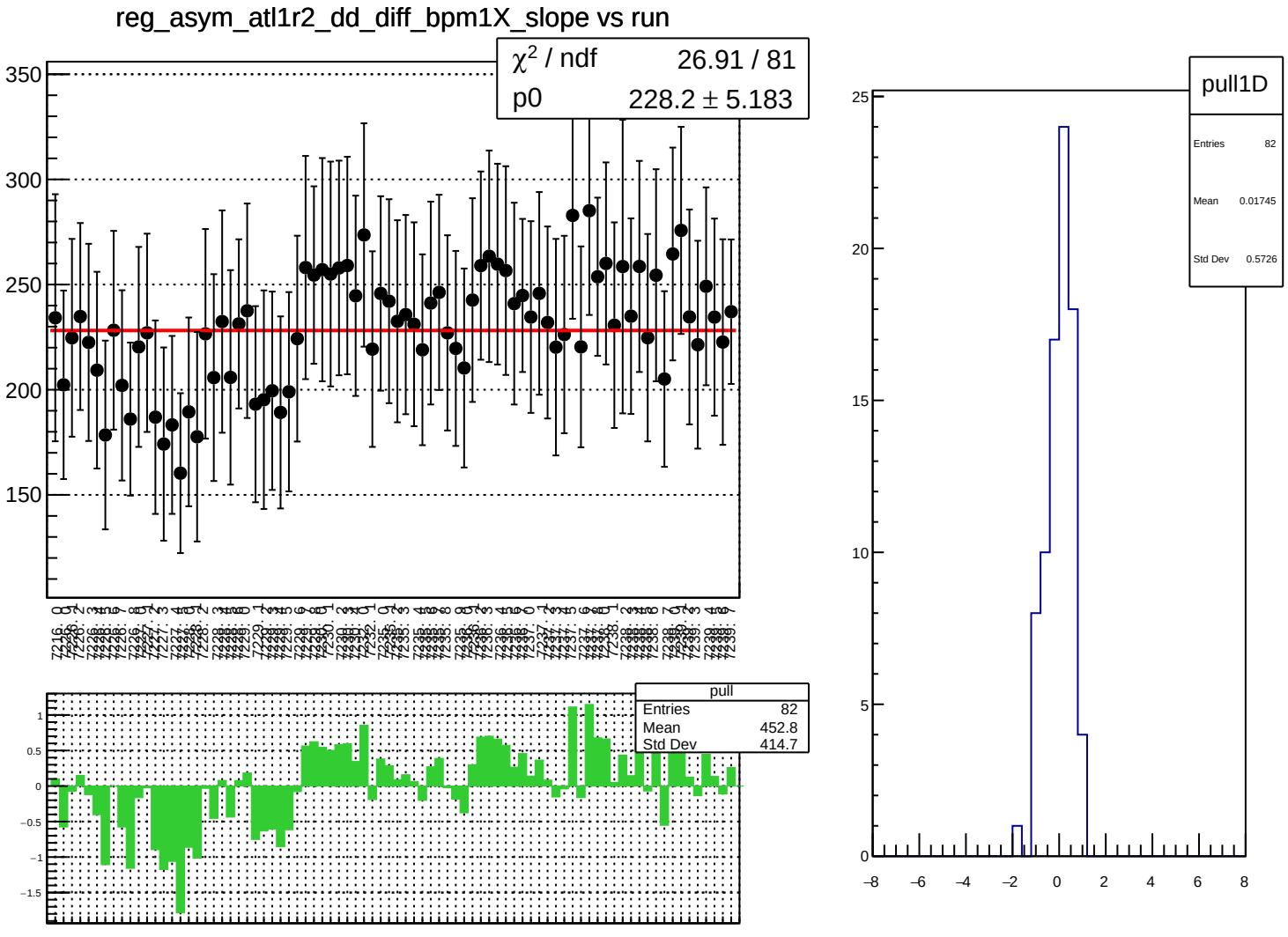

pull1D
Entries 82
Mean 0.005232
Std Dev 0.4587
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

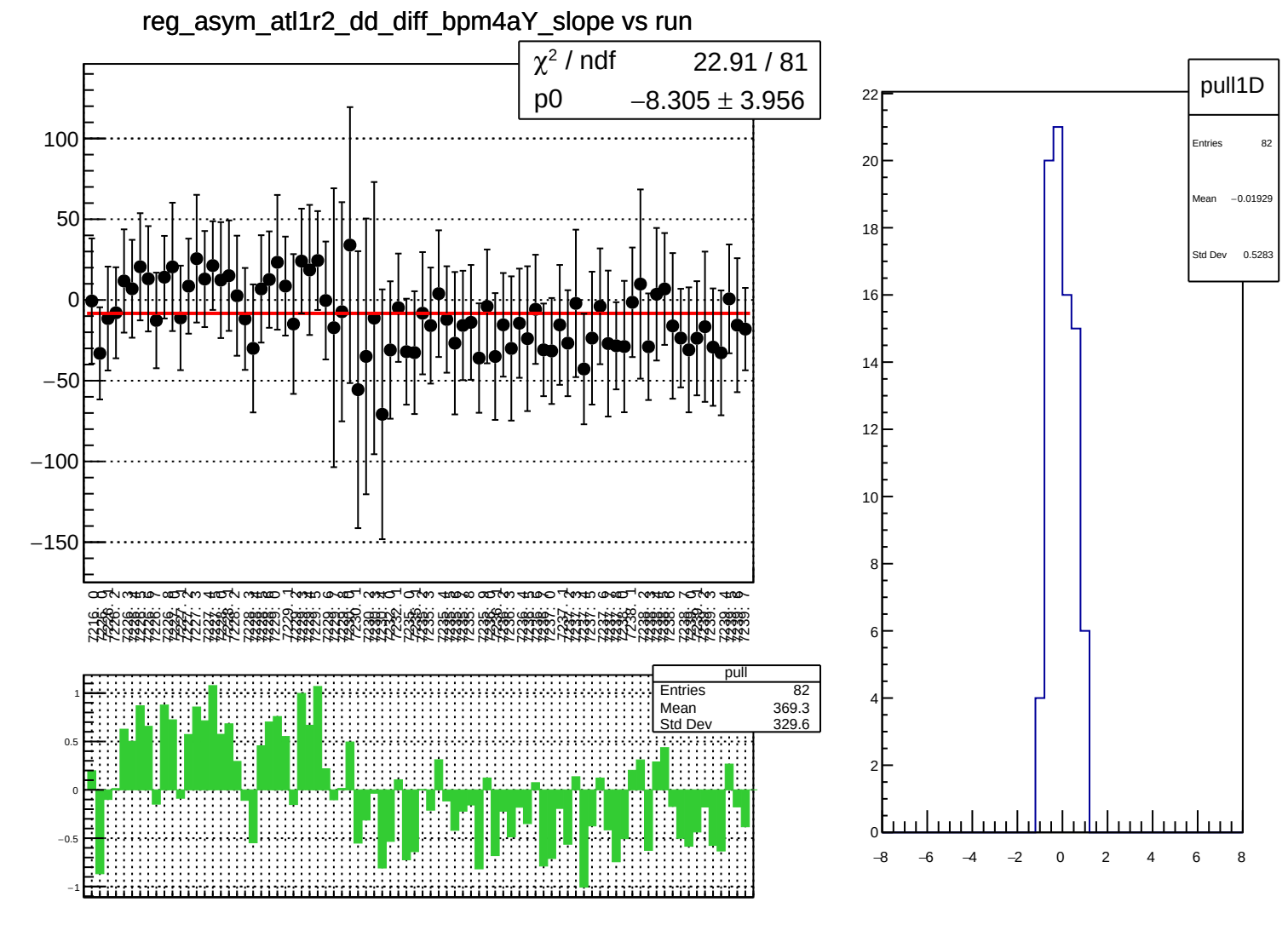

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.39 / 81
p0 312.8 ± 5.863
pull
Entries 82
Mean 404.1
Std Dev 364.3
pull1D
Entries 82
Mean 0.02301
Std Dev 0.5775

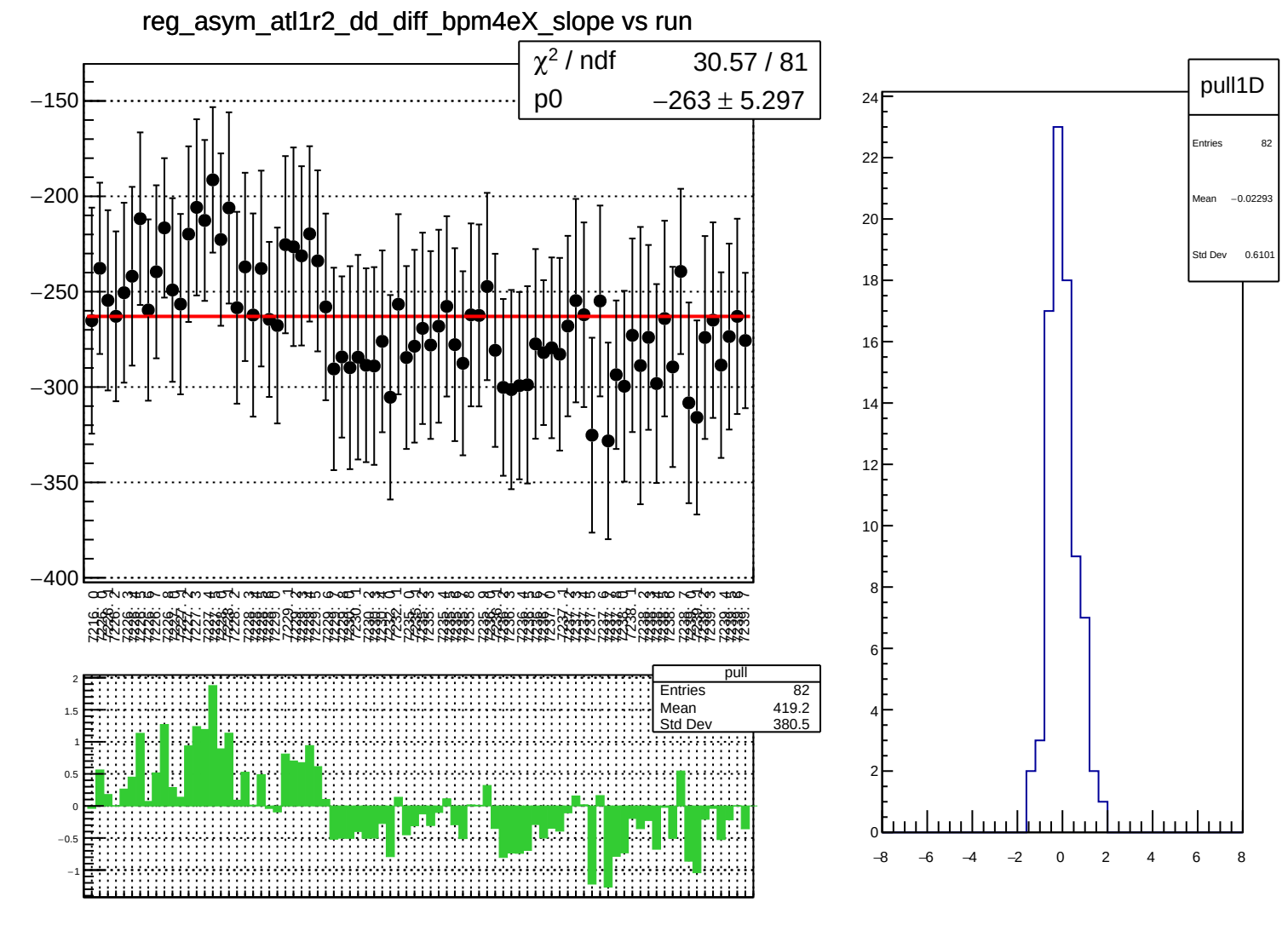

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.2 / 81
p0 46.13 ± 4.815
150
100
50
0
−50
−100
pull
Entries 82
Mean 2133
Std Dev 2093
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 82
Mean −0.003189
Std Dev 0.4306
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

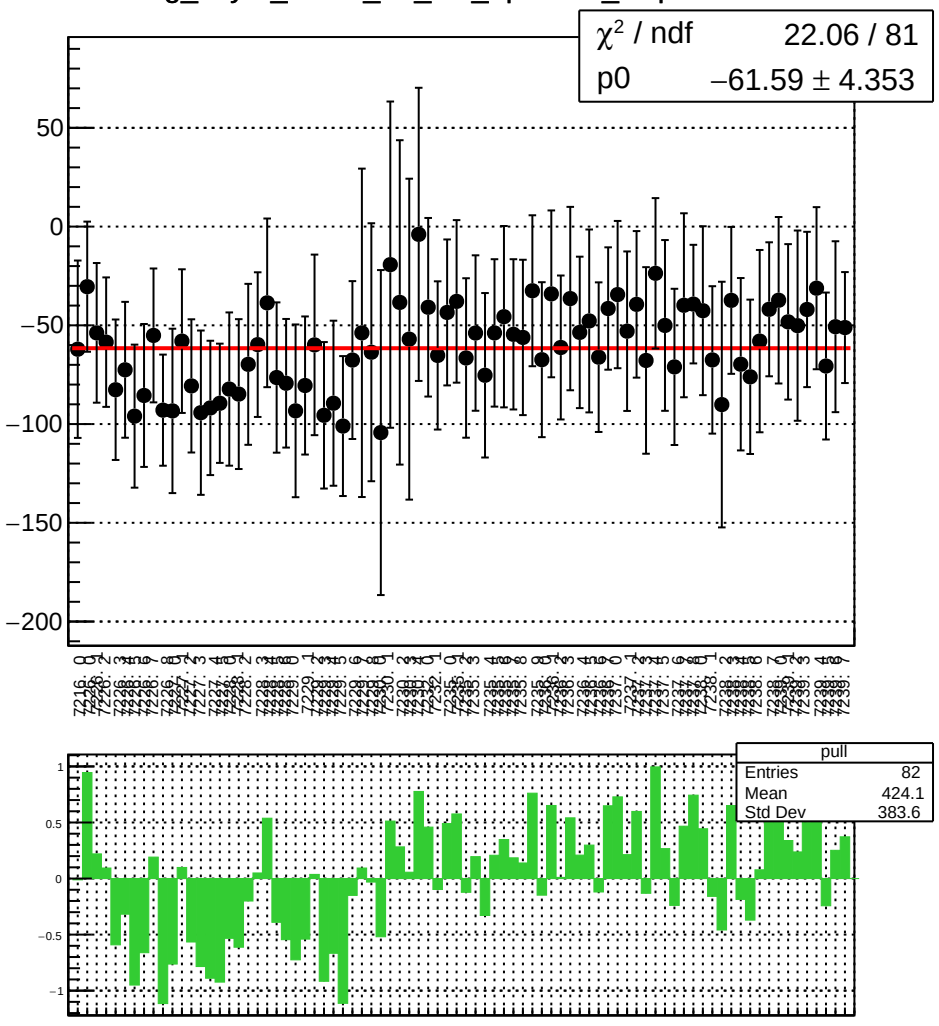

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 51.96 / 81
p0 −135.8 ± 0.2086
pull
Entries 82
Mean 385.6
Std Dev 344.8

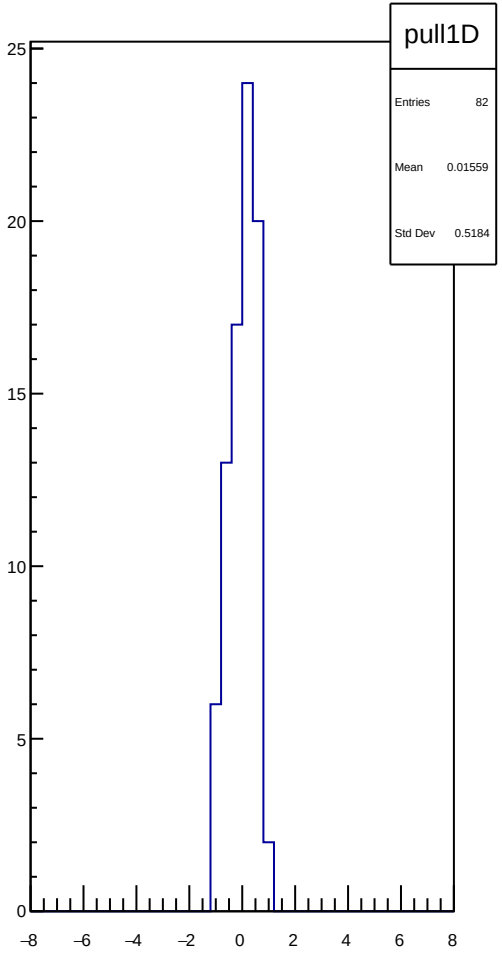

pull1D
Entries 82
Mean −0.03342
Std Dev 0.7953

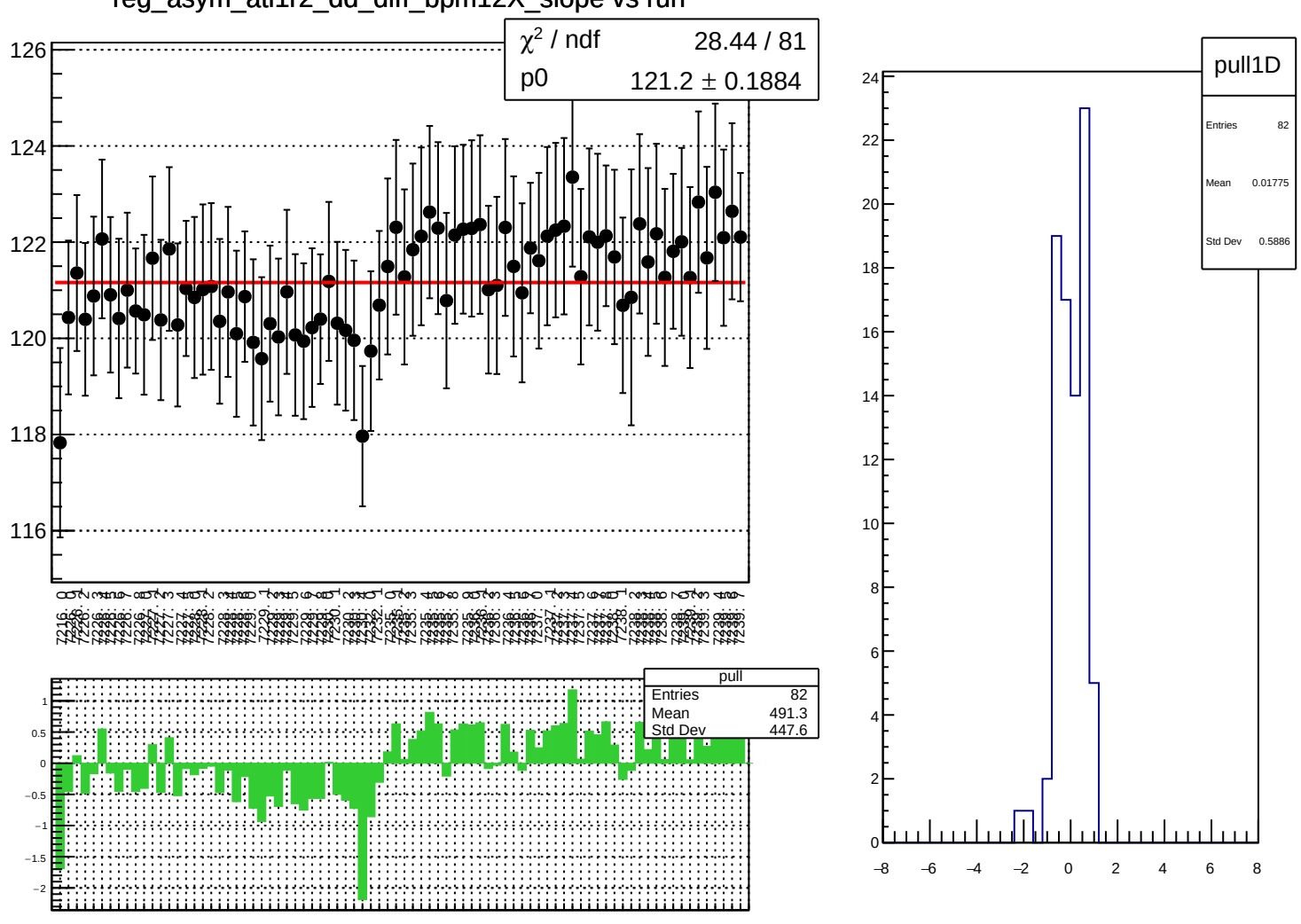

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 26.91 / 81
p0 228.2 ± 5.183
350
300
250
200
150
pull
Entries 82
Mean 452.8
Std Dev 414.7
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.01745
Std Dev 0.5726
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

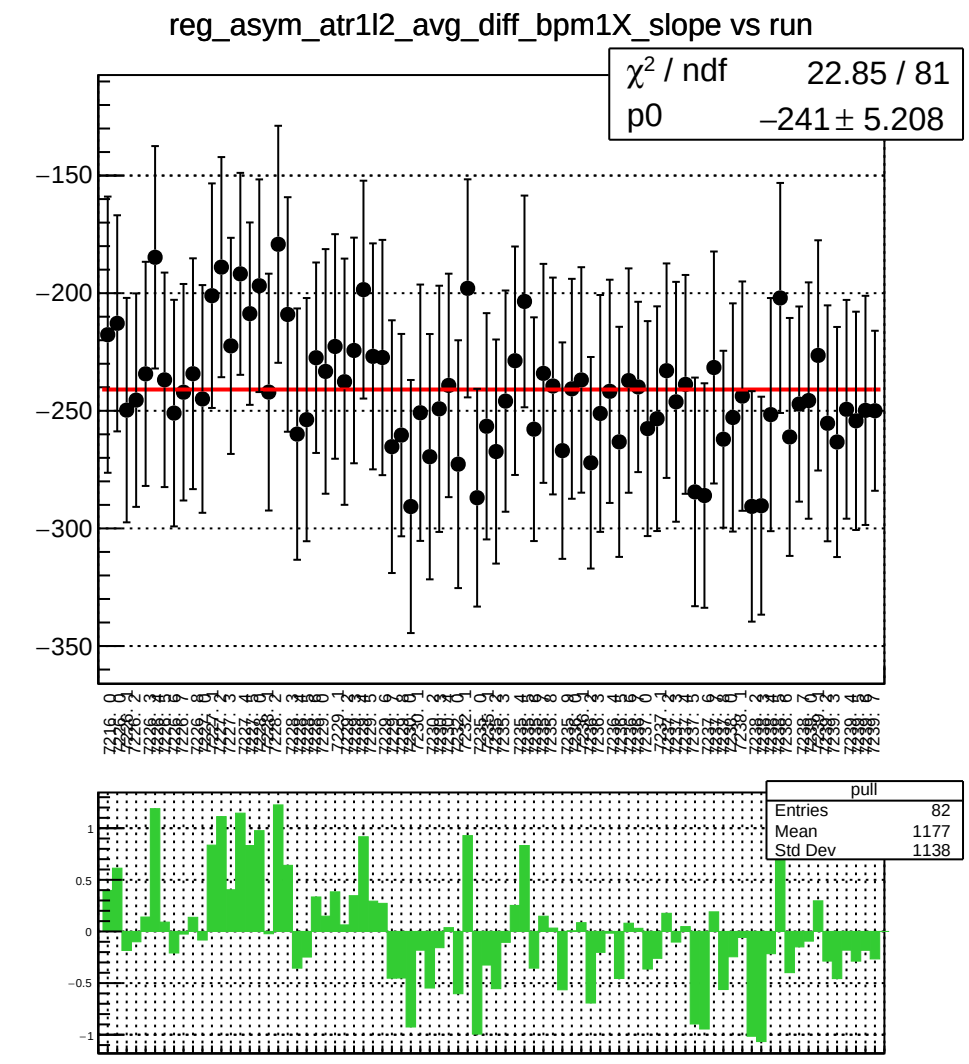

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.91 / 81
p0 −8.305 ± 3.956
pull
Entries 82
Mean 369.3
Std Dev 329.6
pull1D
Entries 82
Mean −0.01929
Std Dev 0.5283

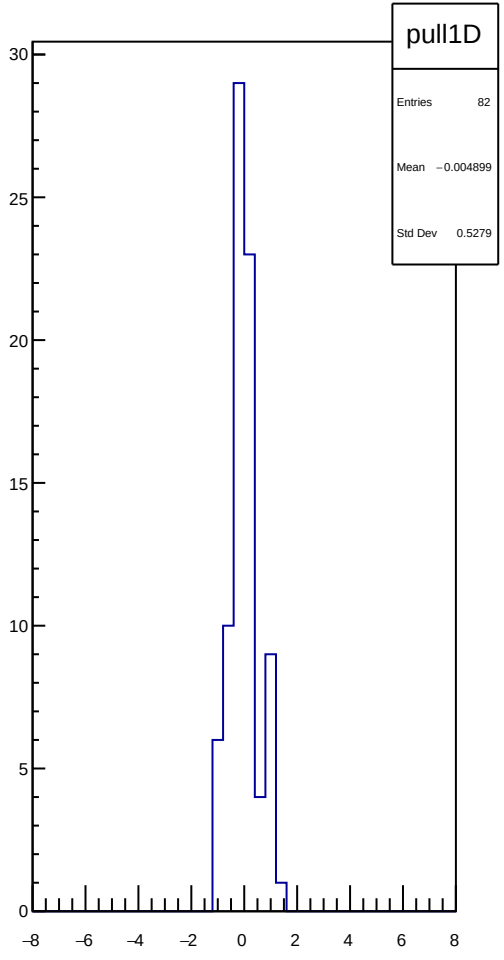

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.57 / 81
p0 −263 ± 5.297
pull
Entries 82
Mean 419.2
Std Dev 380.5
pull1D
Entries 82
Mean −0.02293
Std Dev 0.6101

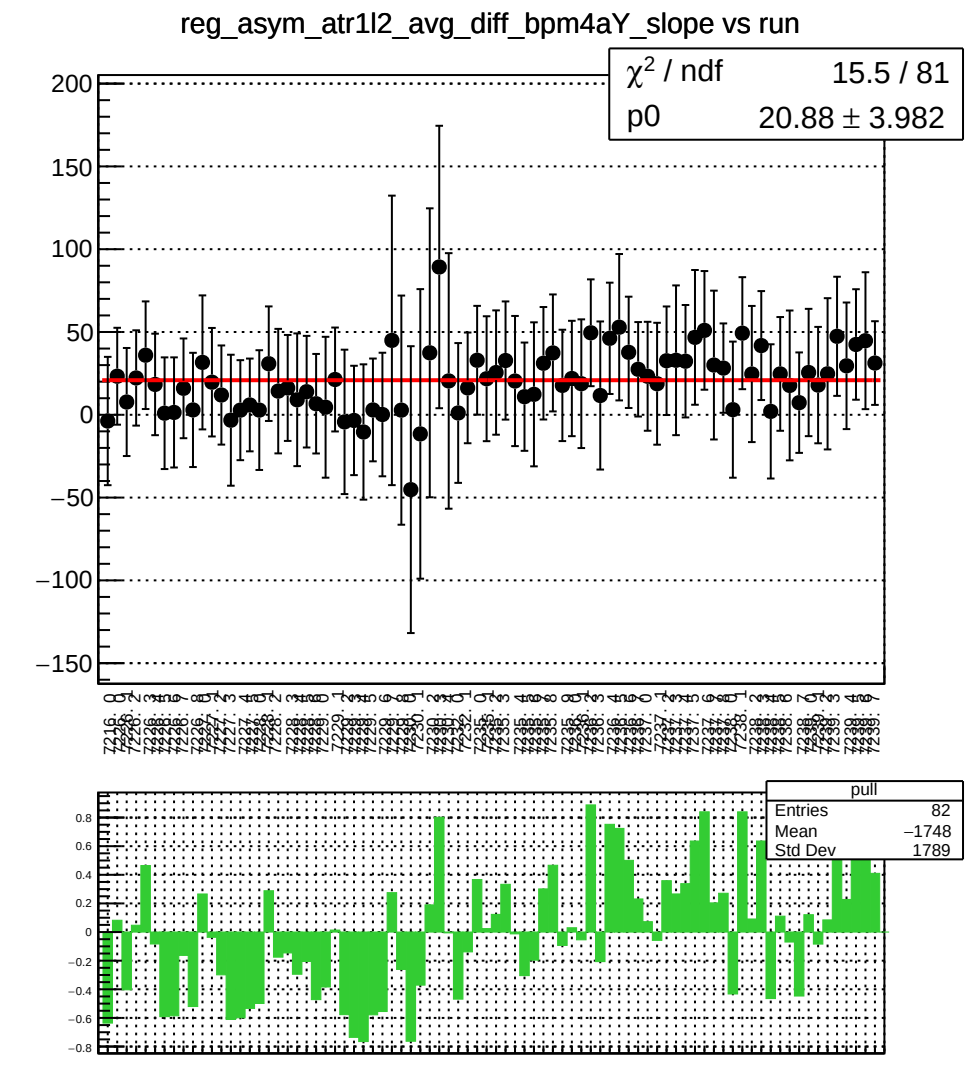

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.06 / 81
p0 −61.59 ± 4.353
pull
Entries 82
Mean 424.1
Std Dev 383.6

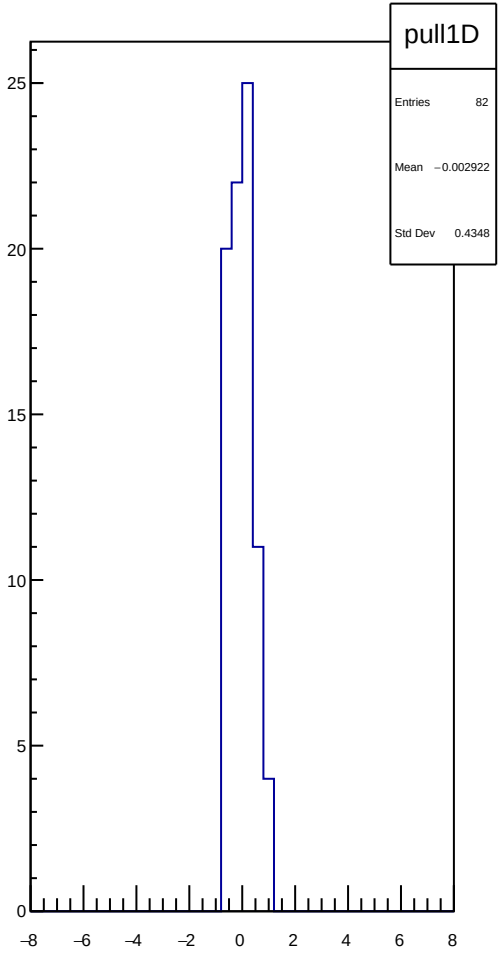

pull1D
Entries 82
Mean 0.01559
Std Dev 0.5184

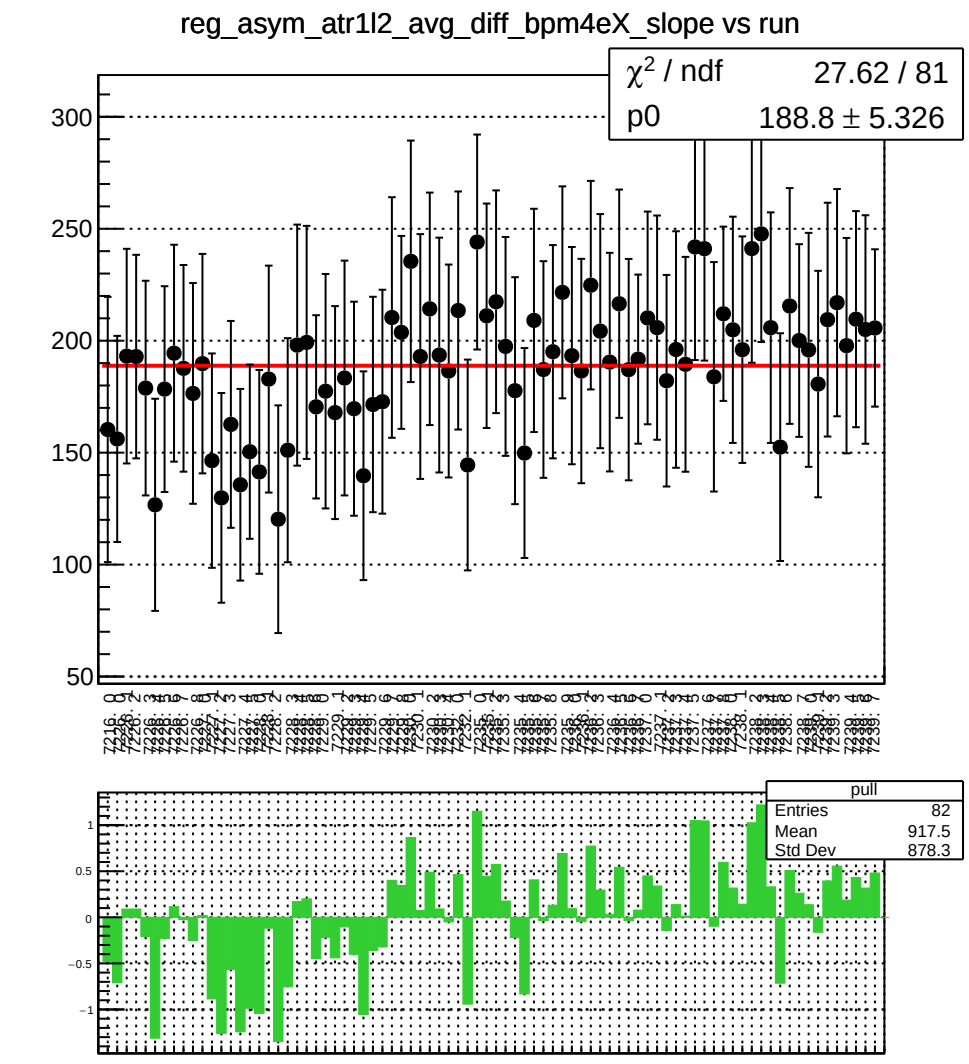

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 28.44 / 81
p0 121.2 ± 0.1884
126
124
122
120
118
116
pull
Entries 82
Mean 491.3
Std Dev 447.6
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.01775
Std Dev 0.5886
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

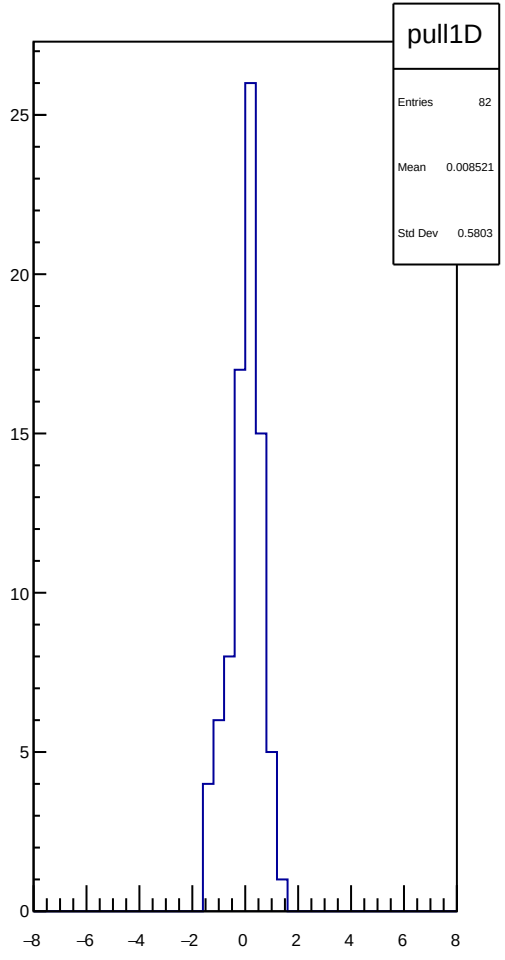

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 22.85 / 81
p0 −241 ± 5.208
−150
−200
−250
−300
−350
pull
Entries 82
Mean 1177
Std Dev 1138
1
0.5
0
−0.5
−1

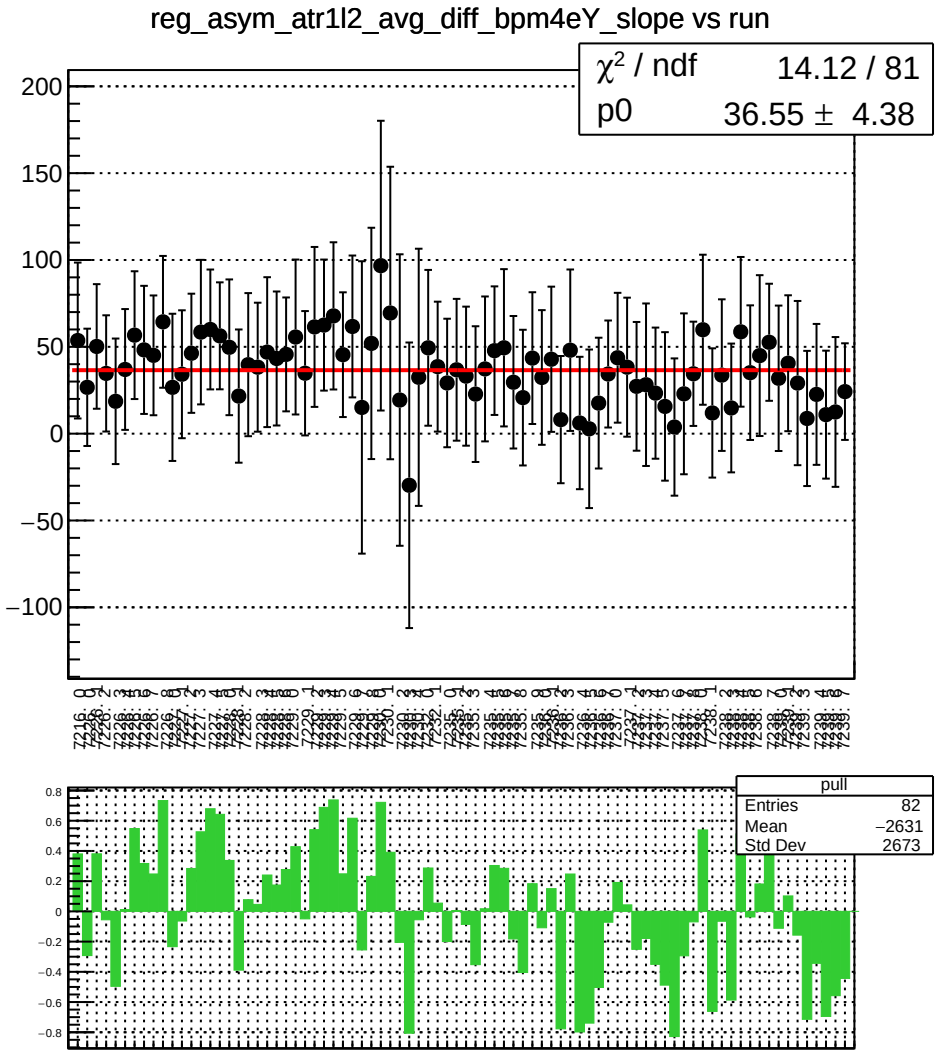

pull1D
Entries 82
Mean −0.004899
Std Dev 0.5279
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

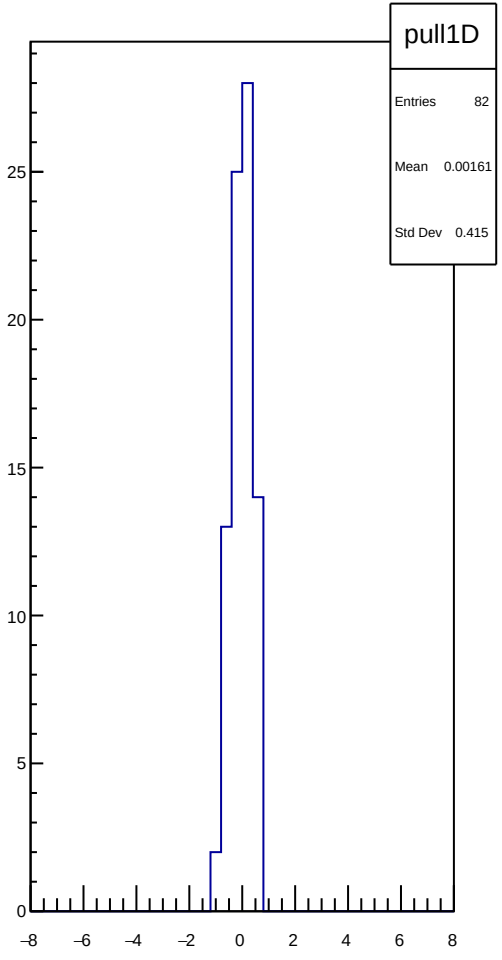

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.5 / 81
p0 20.88 ± 3.982
pull
Entries 82
Mean −1748
Std Dev 1789

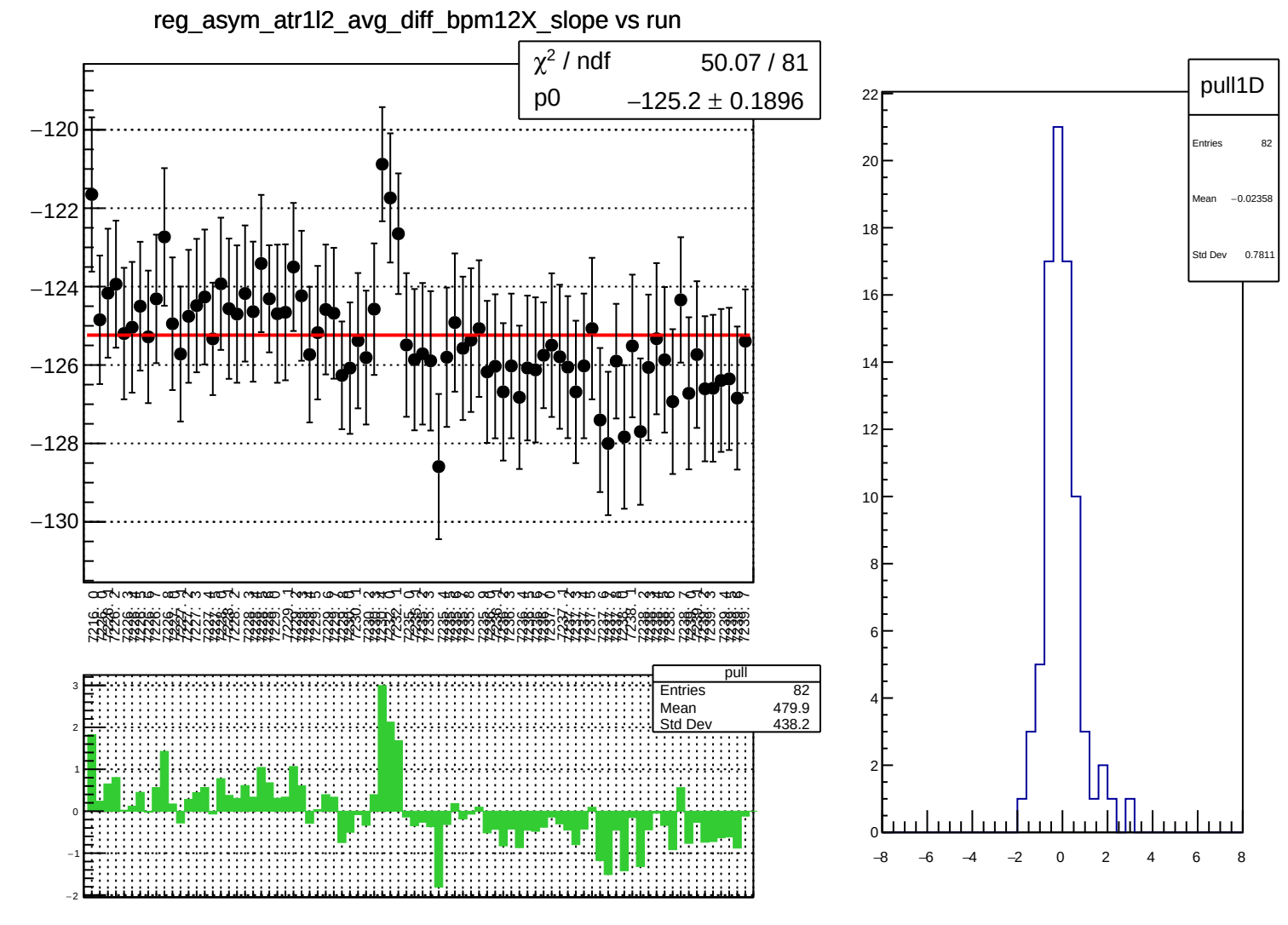

pull1D
Entries 82
Mean −0.002922
Std Dev 0.4348

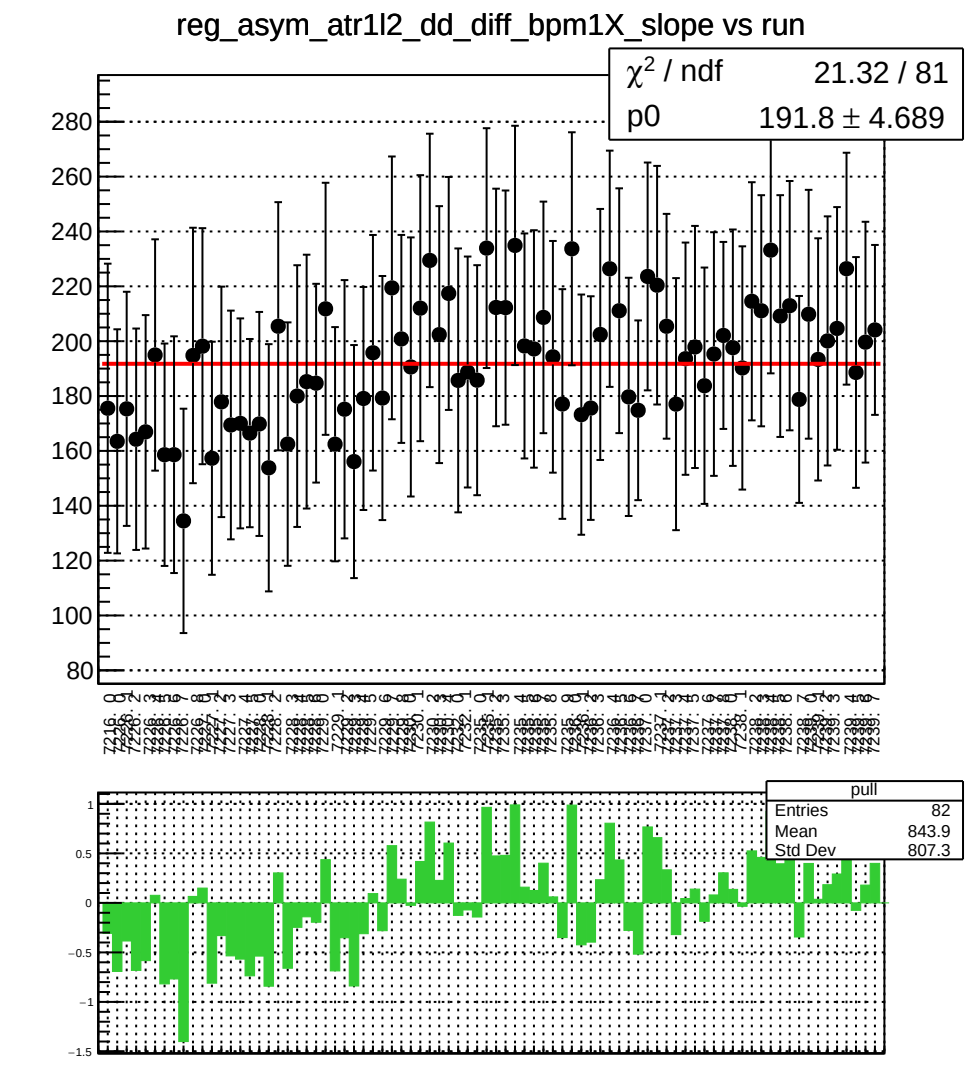

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.62 / 81
p0 188.8 ± 5.326
pull
Entries 82
Mean 917.5
Std Dev 878.3

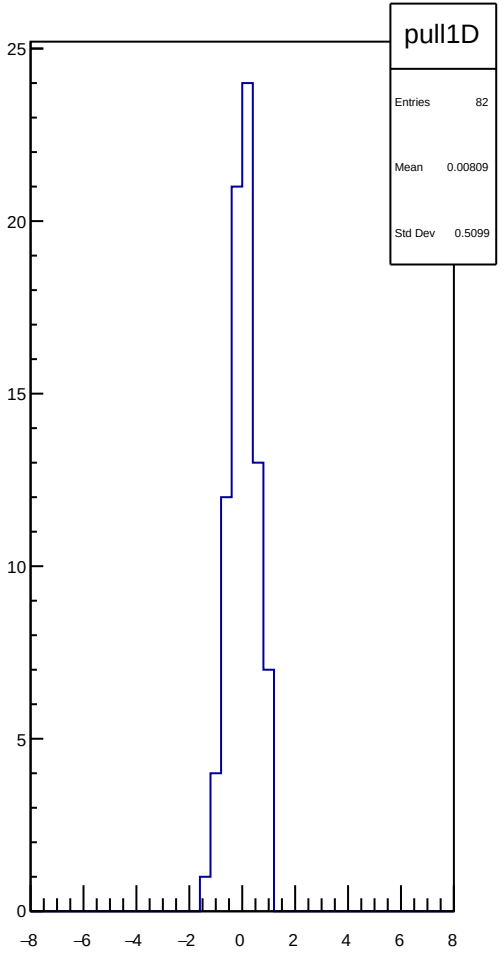

pull1D
Entries 82
Mean 0.008521
Std Dev 0.5803

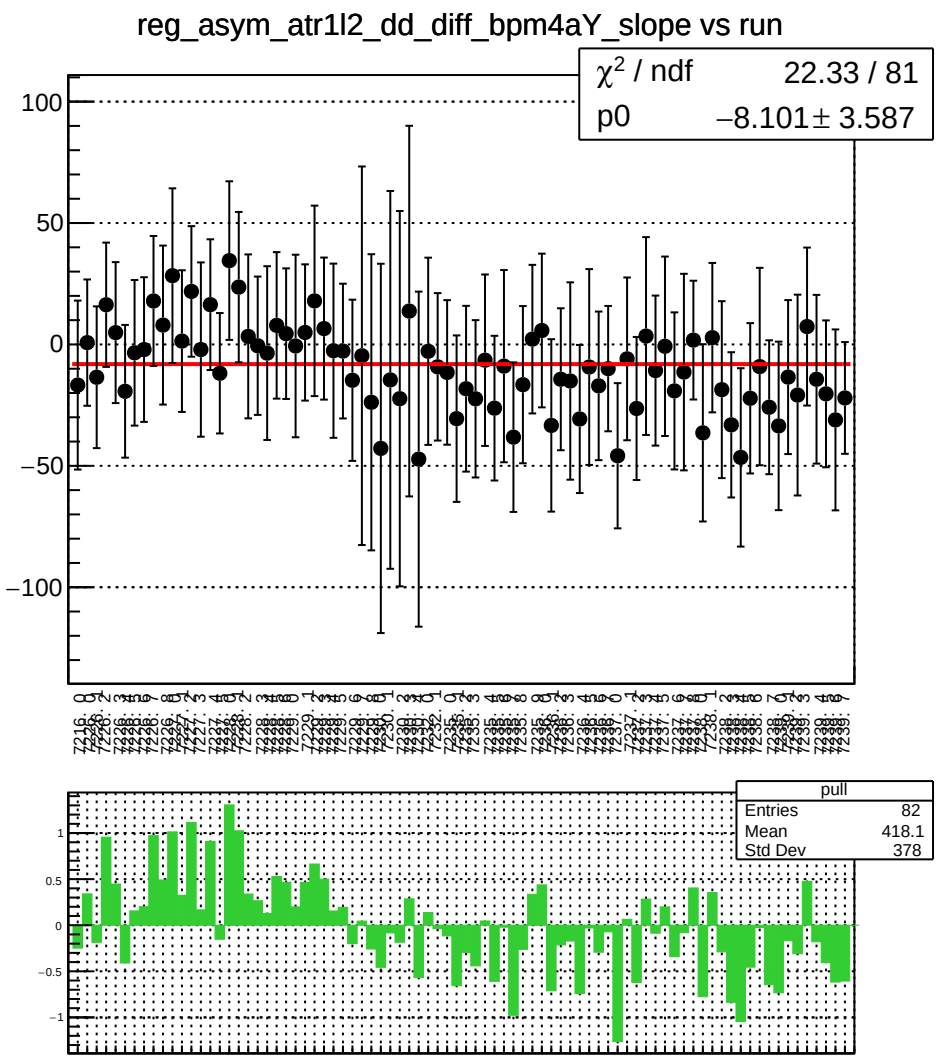

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.12 / 81
p0 36.55 ± 4.38
pull
Entries 82
Mean −2631
Std Dev 2673

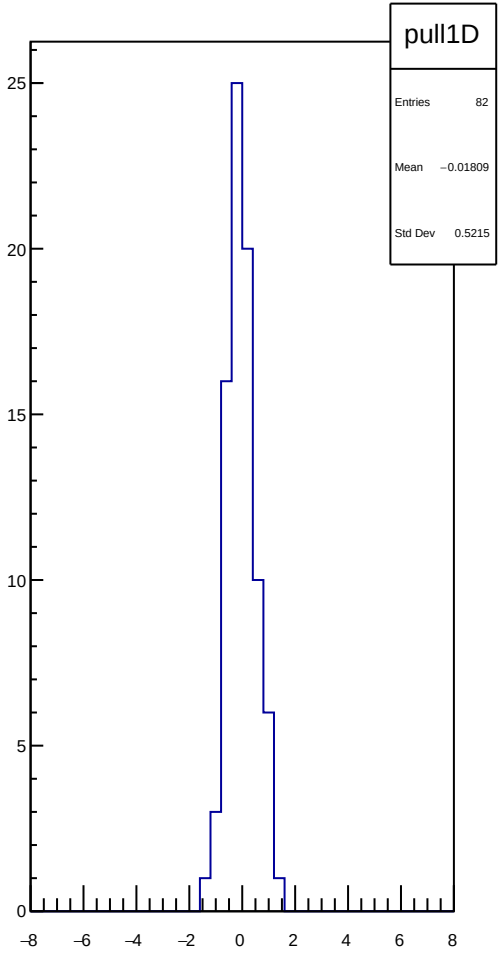

pull1D
Entries 82
Mean 0.00161
Std Dev 0.415

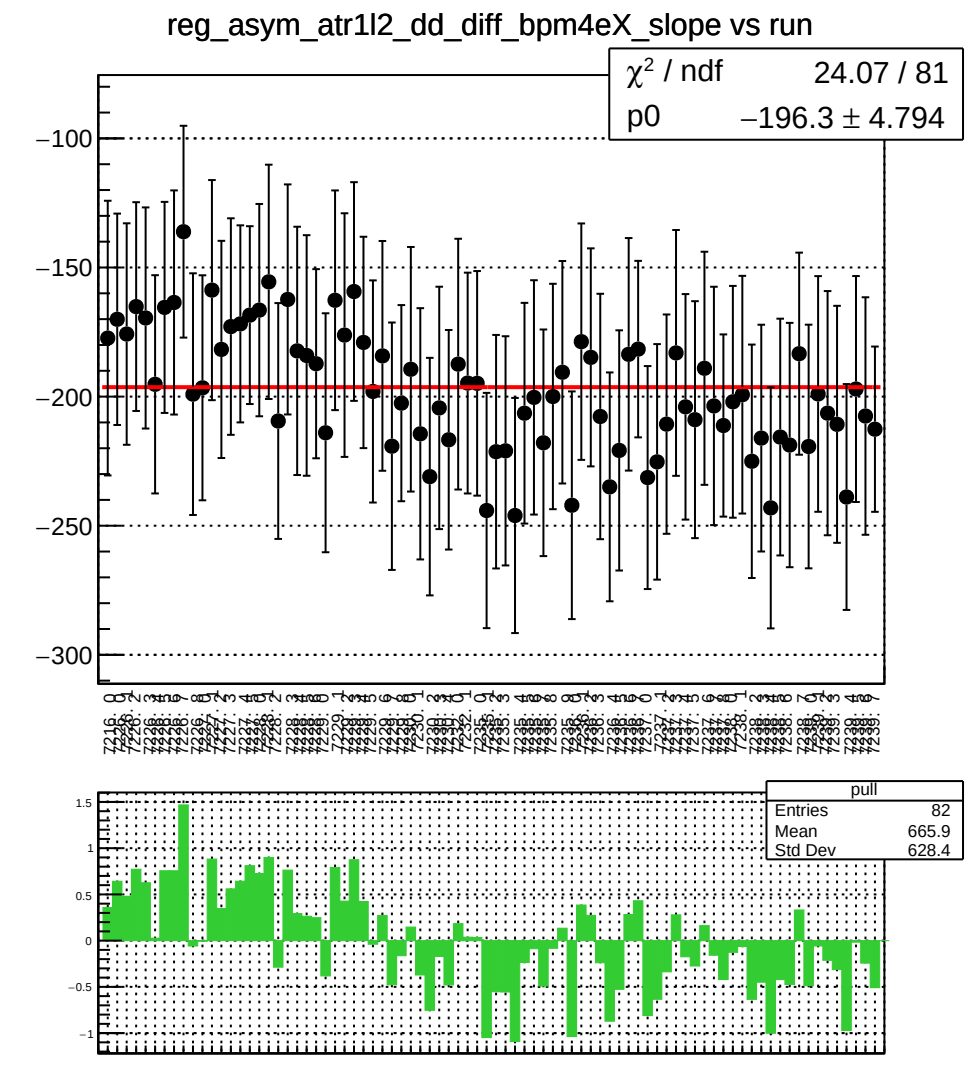

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 50.07 / 81
p0 −125.2 ± 0.1896
−120
−122
−124
−126
−128
−130
pull
Entries 82
Mean 479.9
Std Dev 438.2
pull1D
Entries 82
Mean −0.02358
Std Dev 0.7811

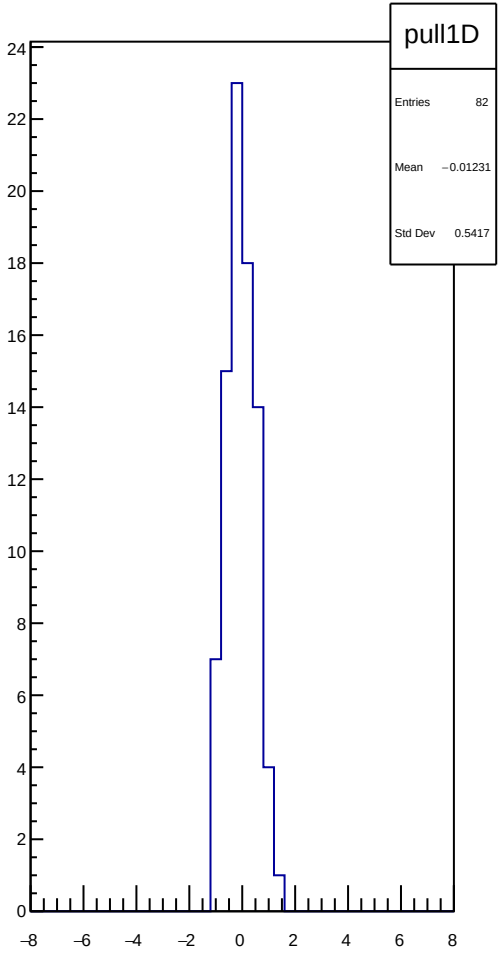

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 21.32 / 81
p0 191.8 ± 4.689
pull
Entries 82
Mean 843.9
Std Dev 807.3

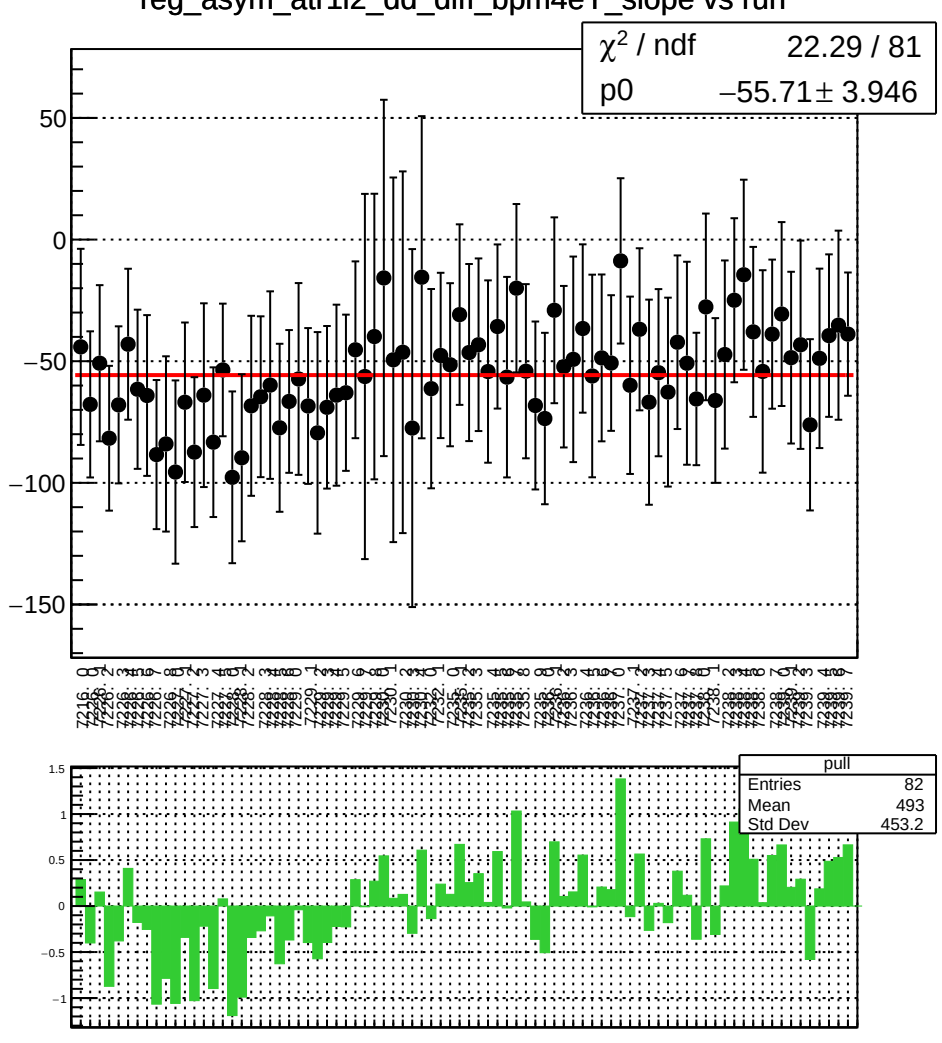

pull1D
Entries 82
Mean 0.00809
Std Dev 0.5099

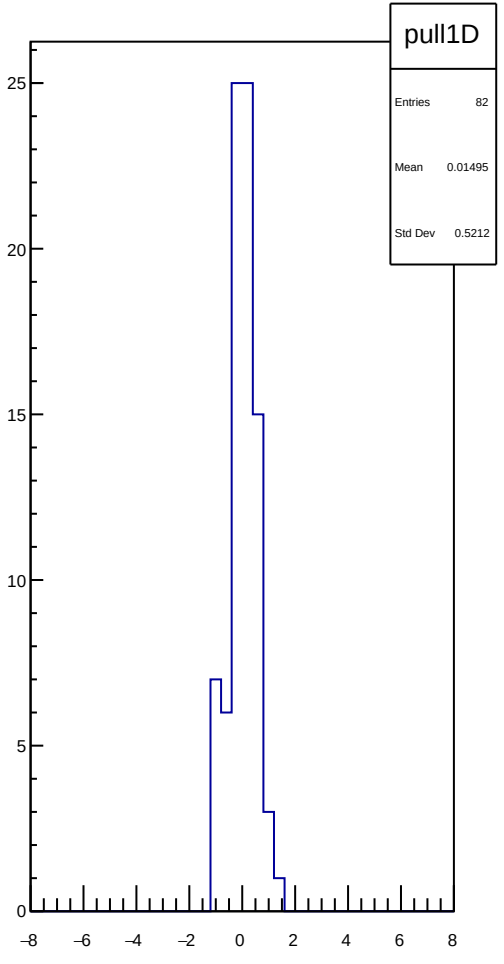

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.33 / 81
p0 −8.101 ± 3.587
pull
Entries 82
Mean 418.1
Std Dev 378

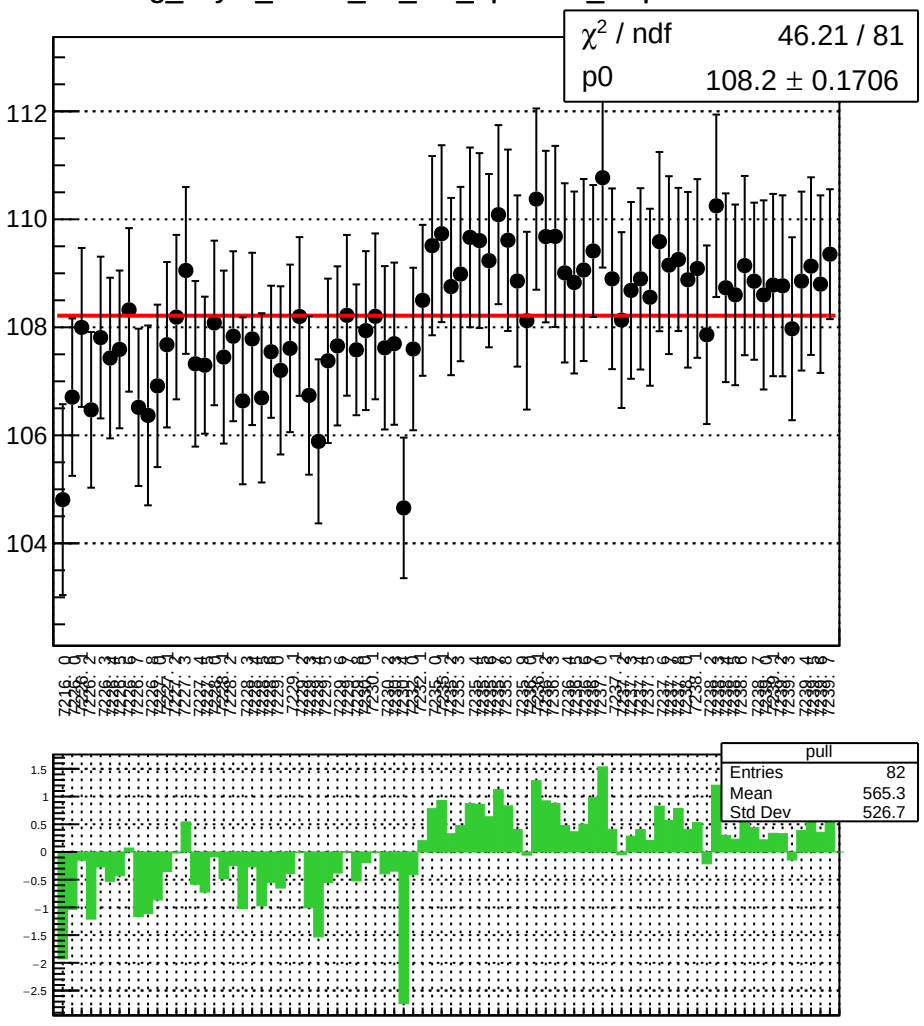

pull1D
Entries 82
Mean −0.01809
Std Dev 0.5215

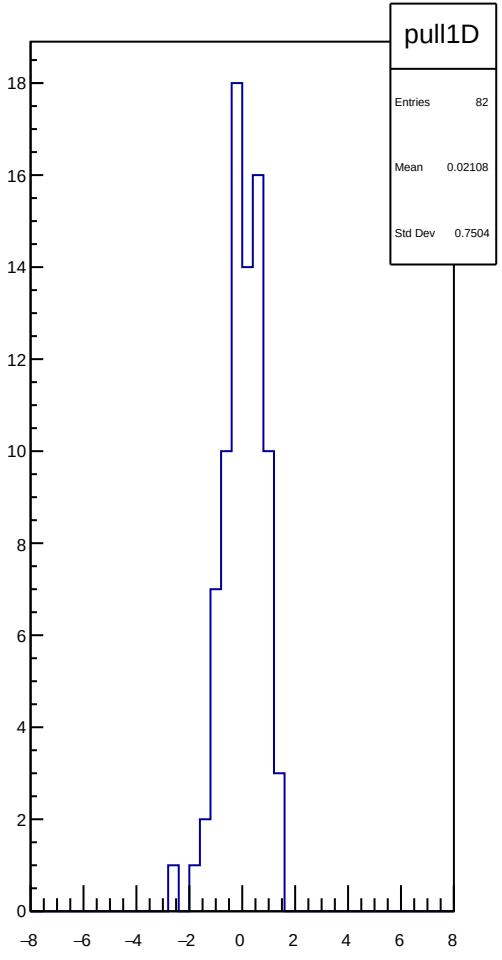

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.07 / 81
p0 −196.3 ± 4.794
−100
−150
−200
−250
−300
pull
Entries 82
Mean 665.9
Std Dev 628.4
1.5
1
0.5
0
−0.5
−1

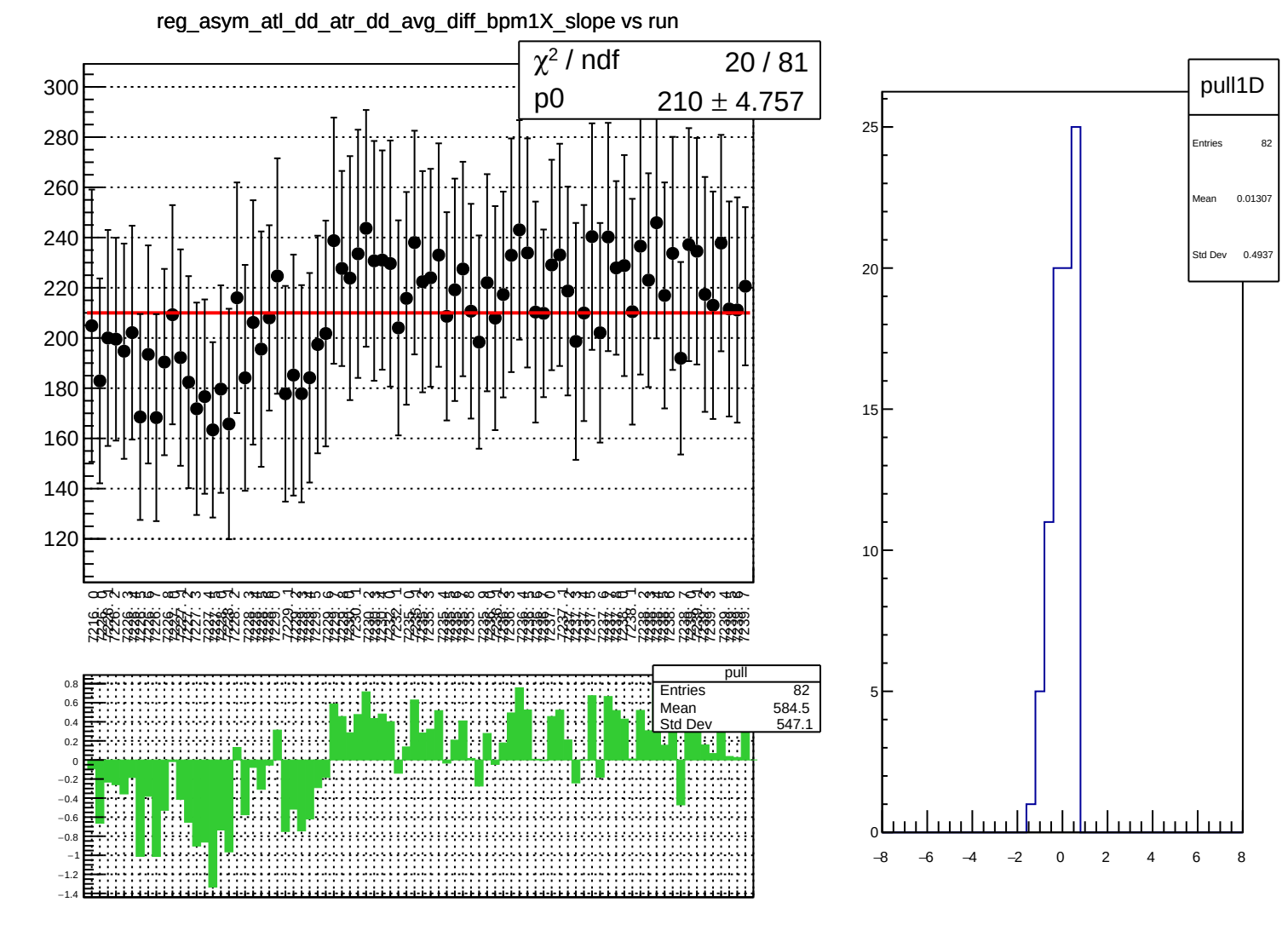

pull1D
Entries 82
Mean −0.01231
Std Dev 0.5417
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

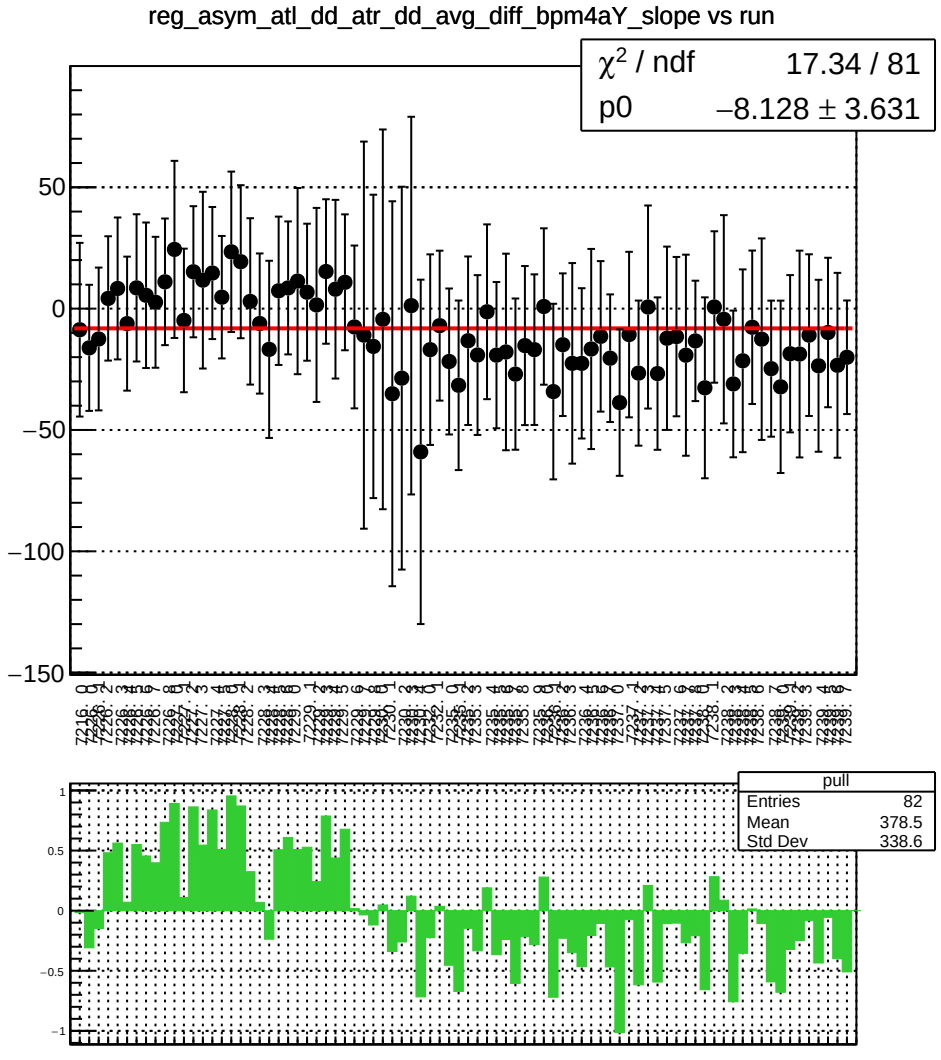

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.29 / 81
p0 −55.71 ± 3.946
50
0
−50
−100
−150
pull
Entries 82
Mean 493
Std Dev 453.2
1.5
1
0.5
0
−0.5
−1

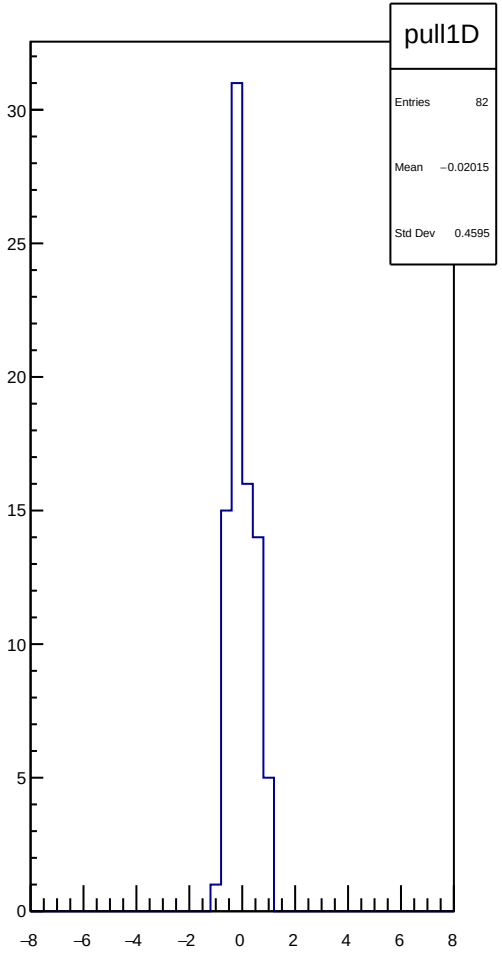

pull1D
Entries 82
Mean 0.01495
Std Dev 0.5212
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

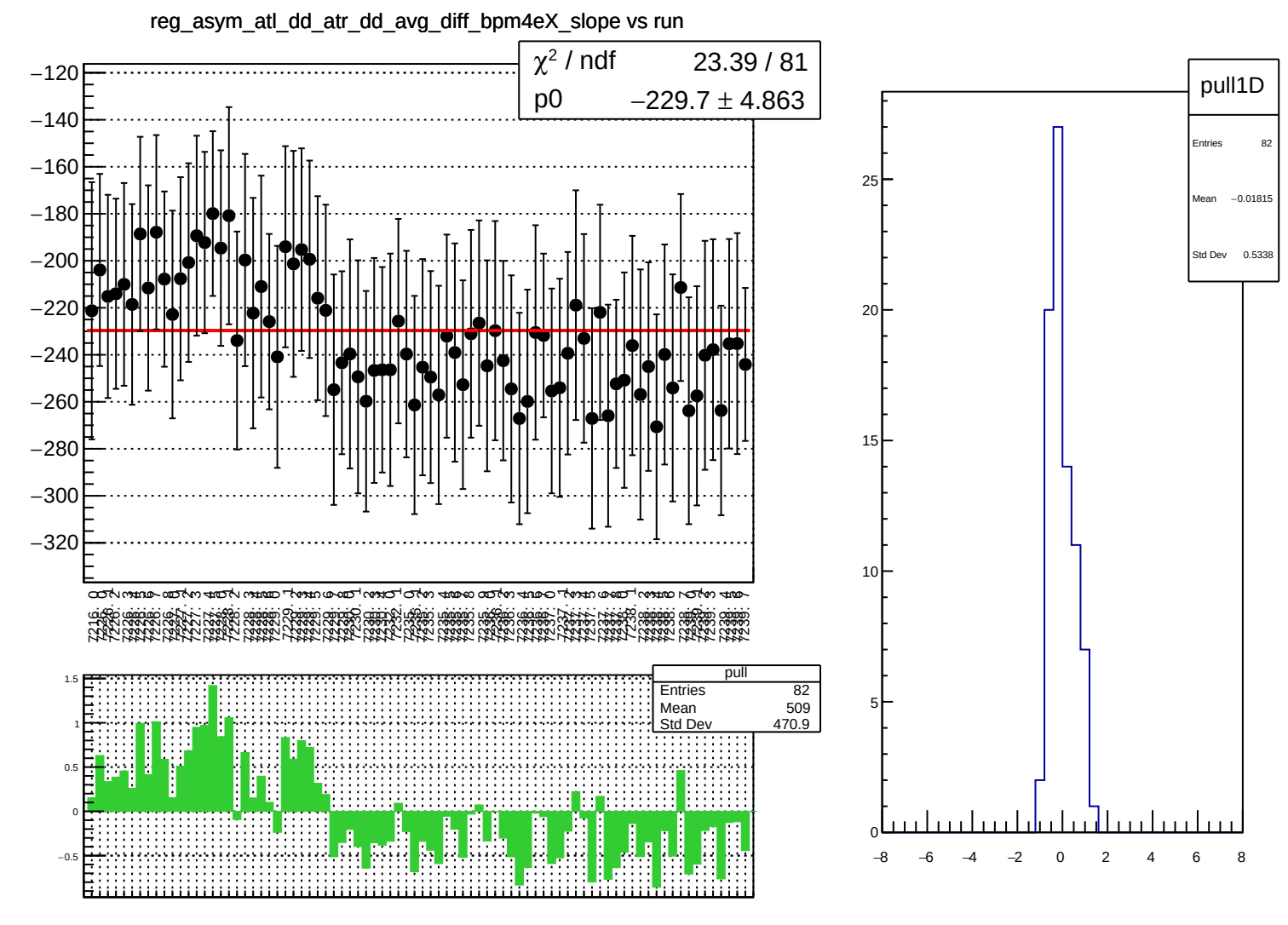

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 46.21 / 81
p0 108.2 ± 0.1706
112
110
108
106
104
pull
Entries 82
Mean 565.3
Std Dev 526.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

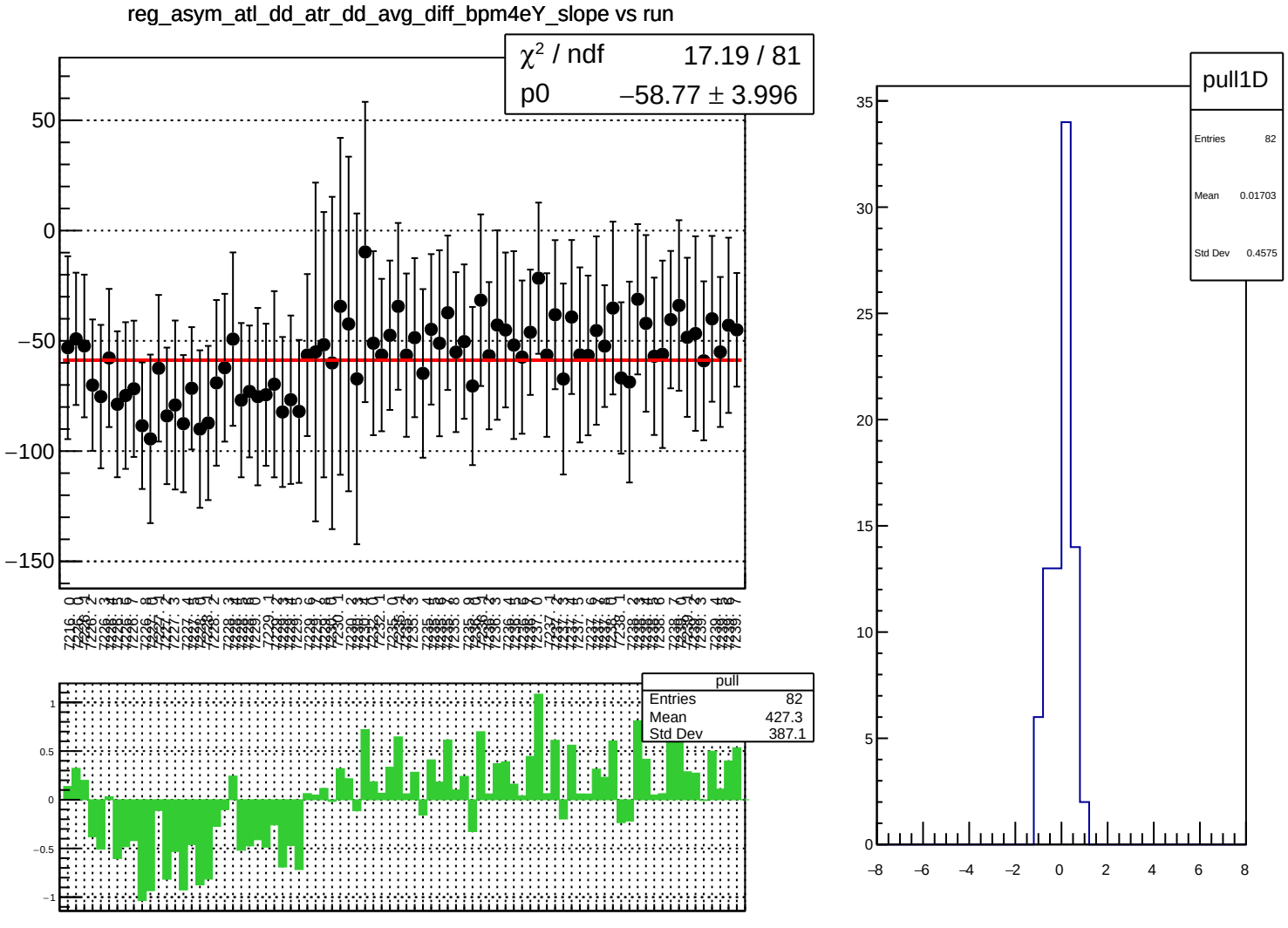

pull1D
Entries 82
Mean 0.02108
Std Dev 0.7504
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

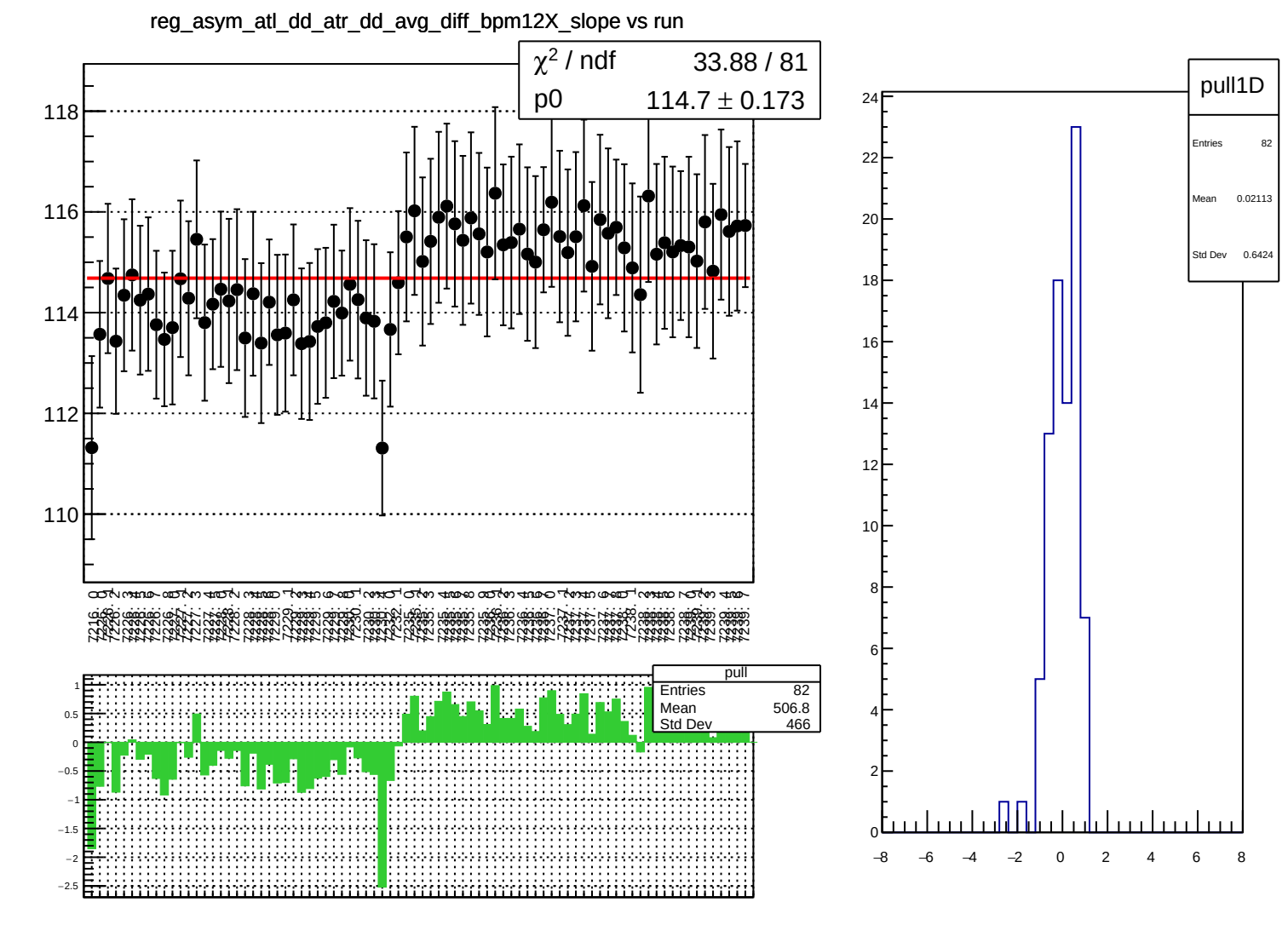

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 20 / 81
p0 210 ± 4.757
pull
Entries 82
Mean 584.5
Std Dev 547.1
pull1D
Entries 82
Mean 0.01307
Std Dev 0.4937

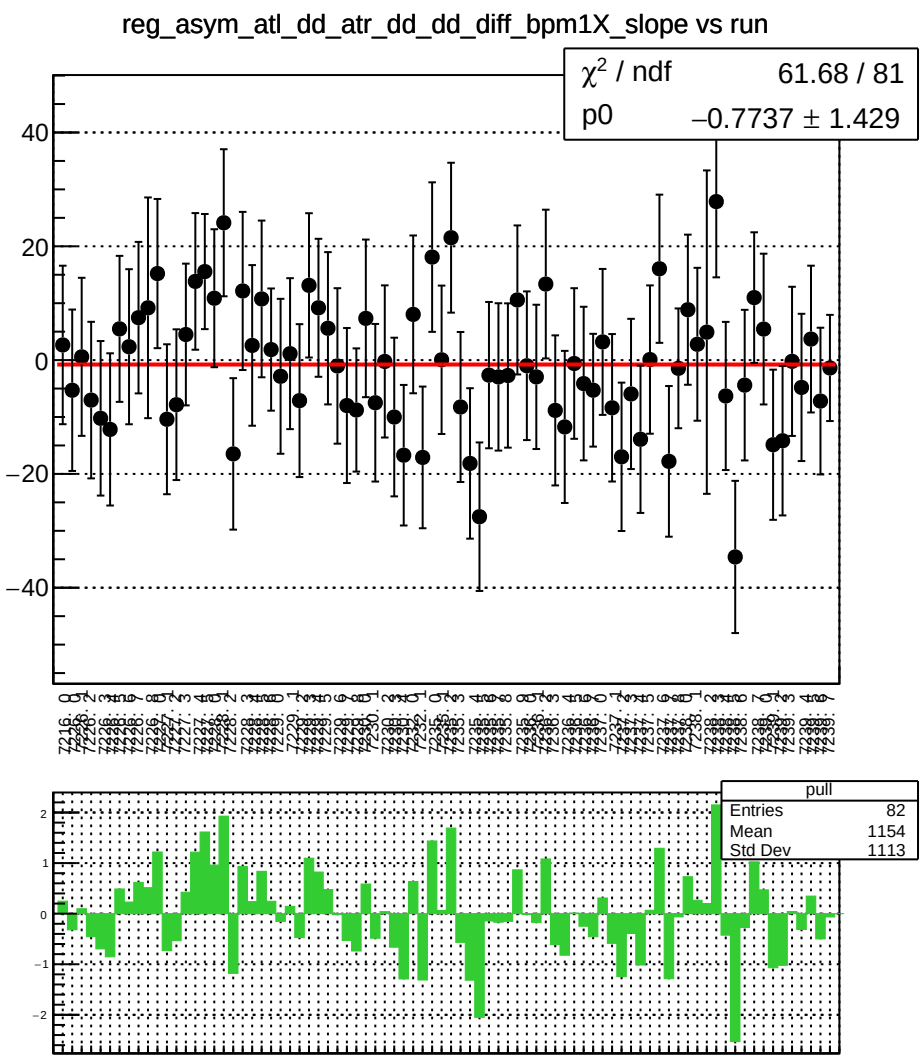

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.34 / 81
p0 −8.128 ± 3.631
50
0
−50
−100
−150
pull
Entries 82
Mean 378.5
Std Dev 338.6
1
0.5
0
−0.5
−1

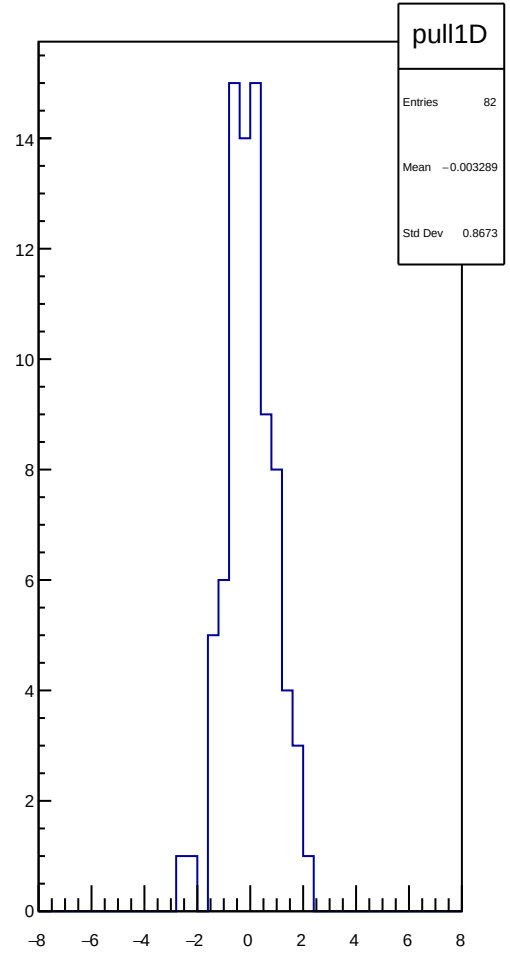

pull1D
Entries 82
Mean −0.02015
Std Dev 0.4595
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

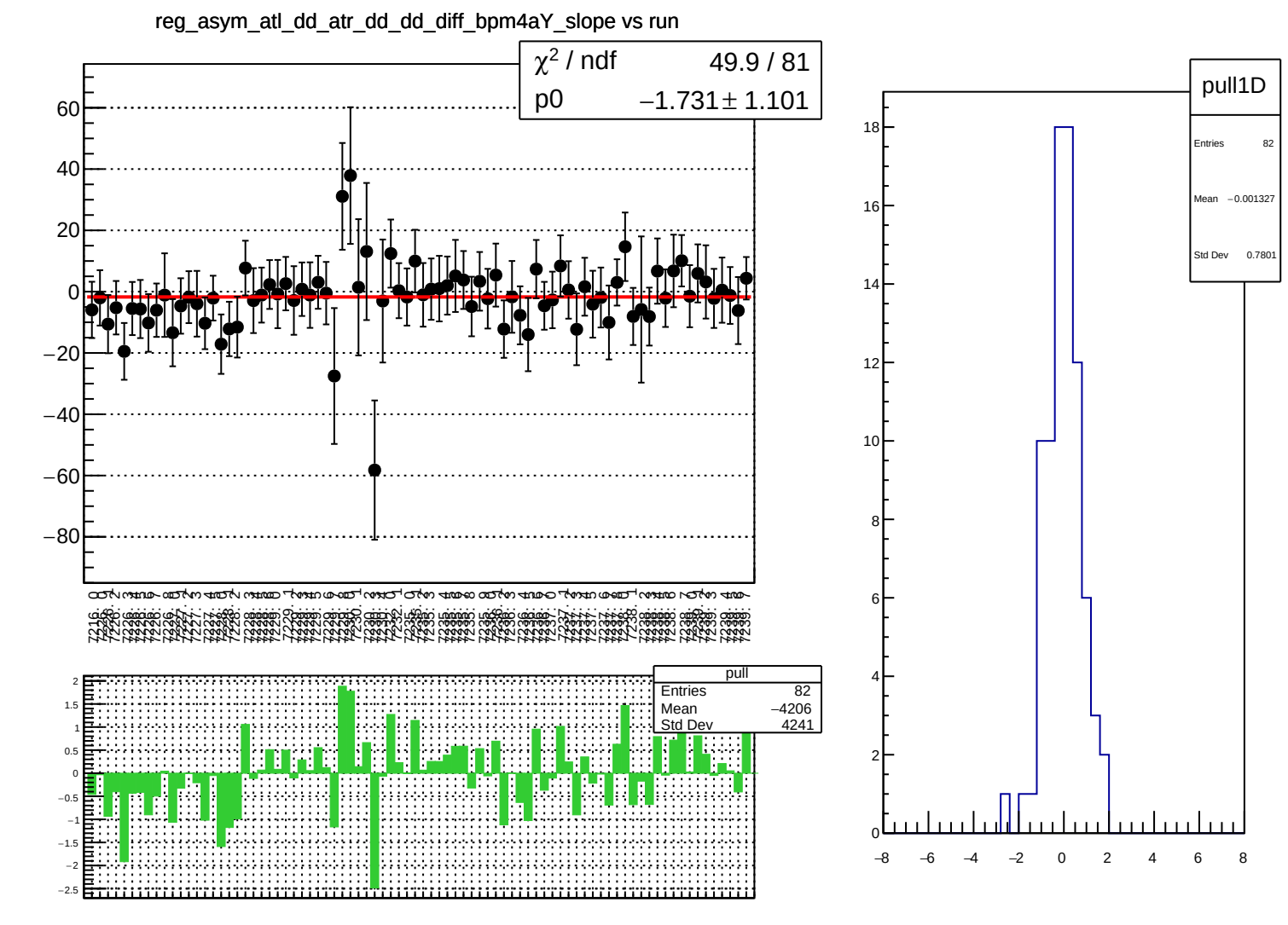

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.39 / 81
p0 −229.7 ± 4.863
pull
Entries 82
Mean 509
Std Dev 470.9
pull1D
Entries 82
Mean −0.01815
Std Dev 0.5338

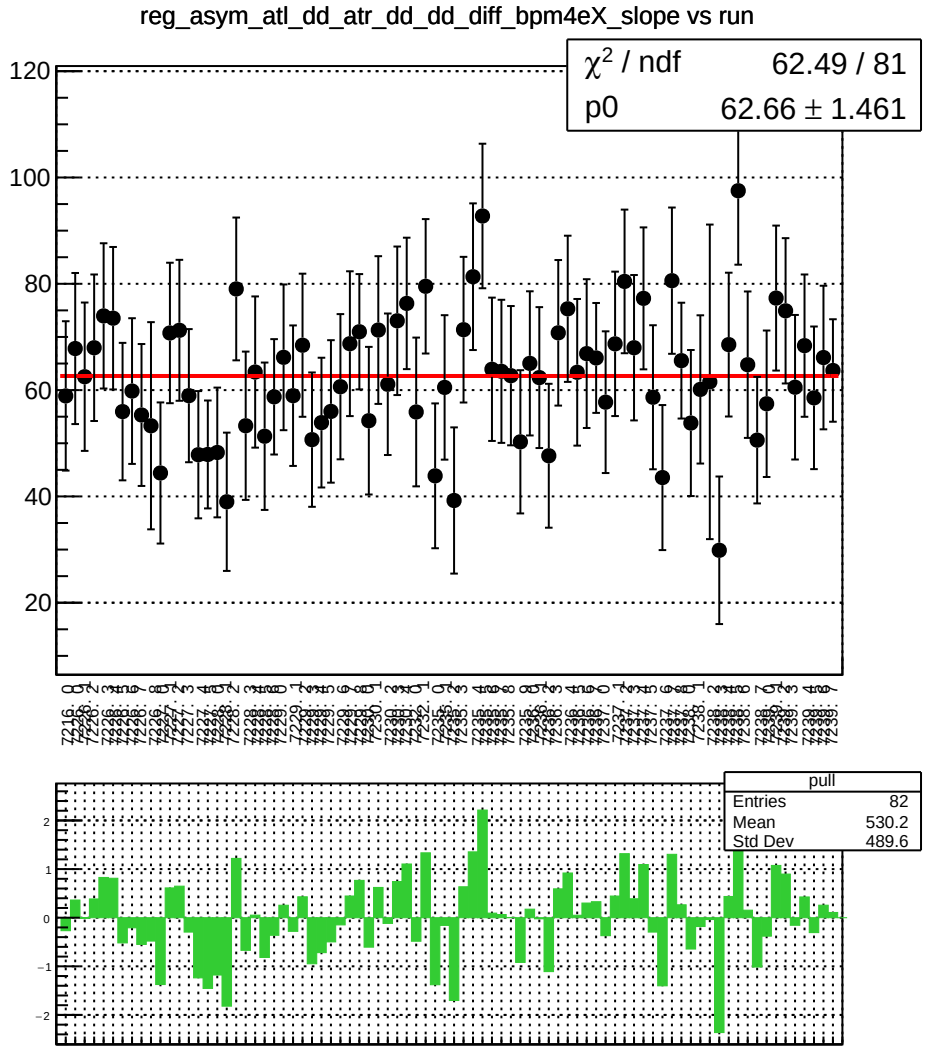

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.19 / 81
p0 −58.77 ± 3.996
pull
Entries 82
Mean 427.3
Std Dev 387.1
pull1D
Entries 82
Mean 0.01703
Std Dev 0.4575

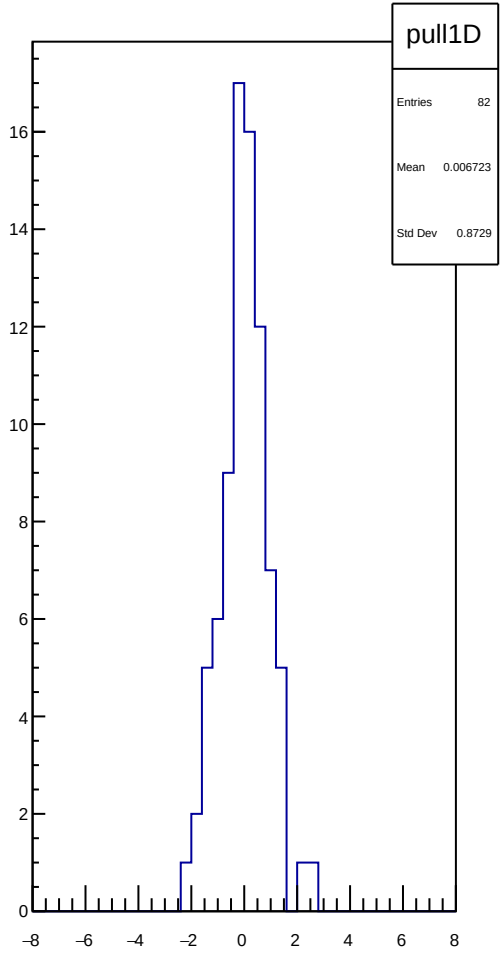

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 33.88 / 81
p0 114.7 ± 0.173
118
116
114
112
110
pull
Entries 82
Mean 506.8
Std Dev 466
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean 0.02113
Std Dev 0.6424
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

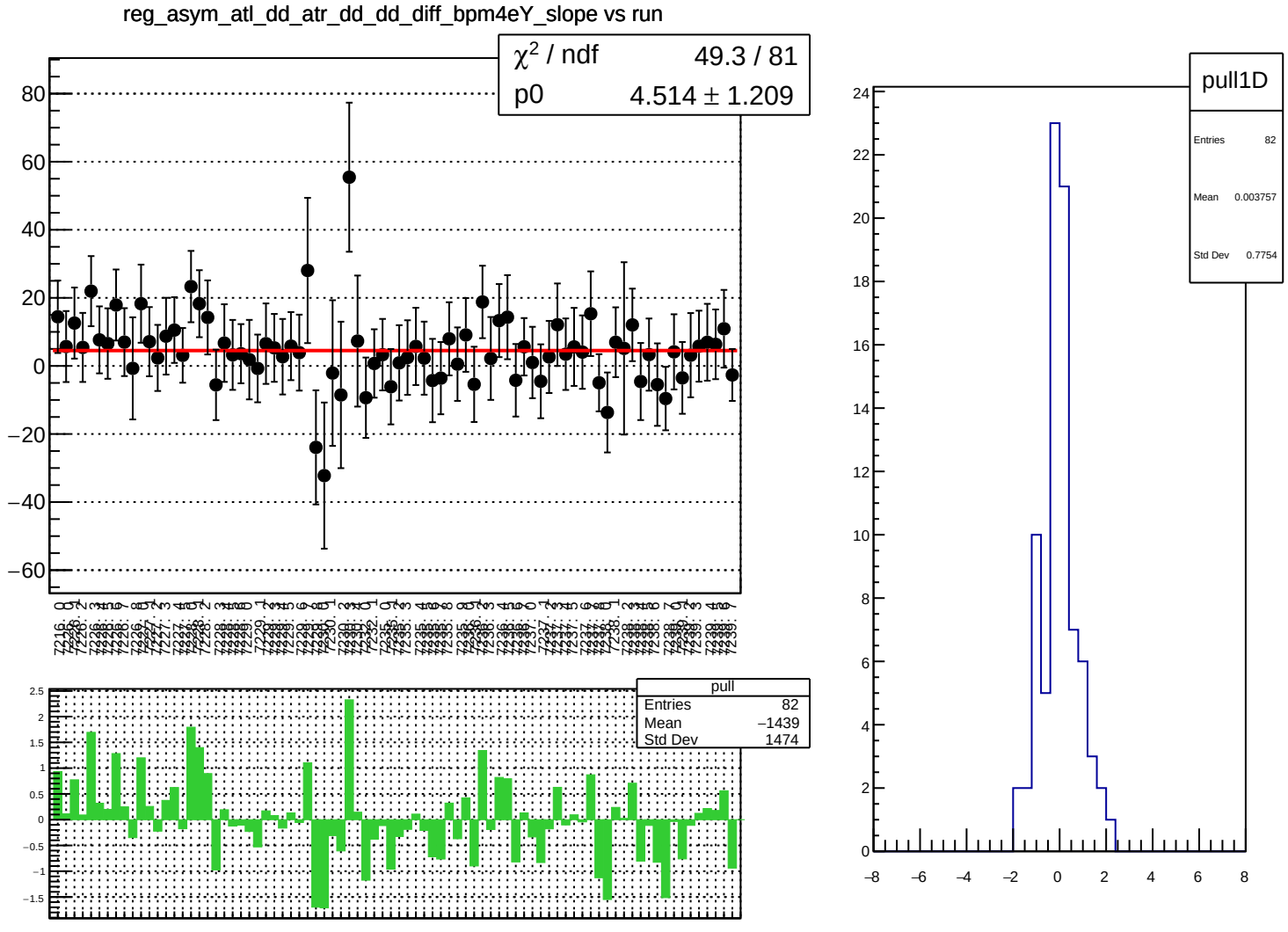

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 61.68 / 81
p0 −0.7737 ± 1.429
pull
Entries 82
Mean 1154
Std Dev 1113

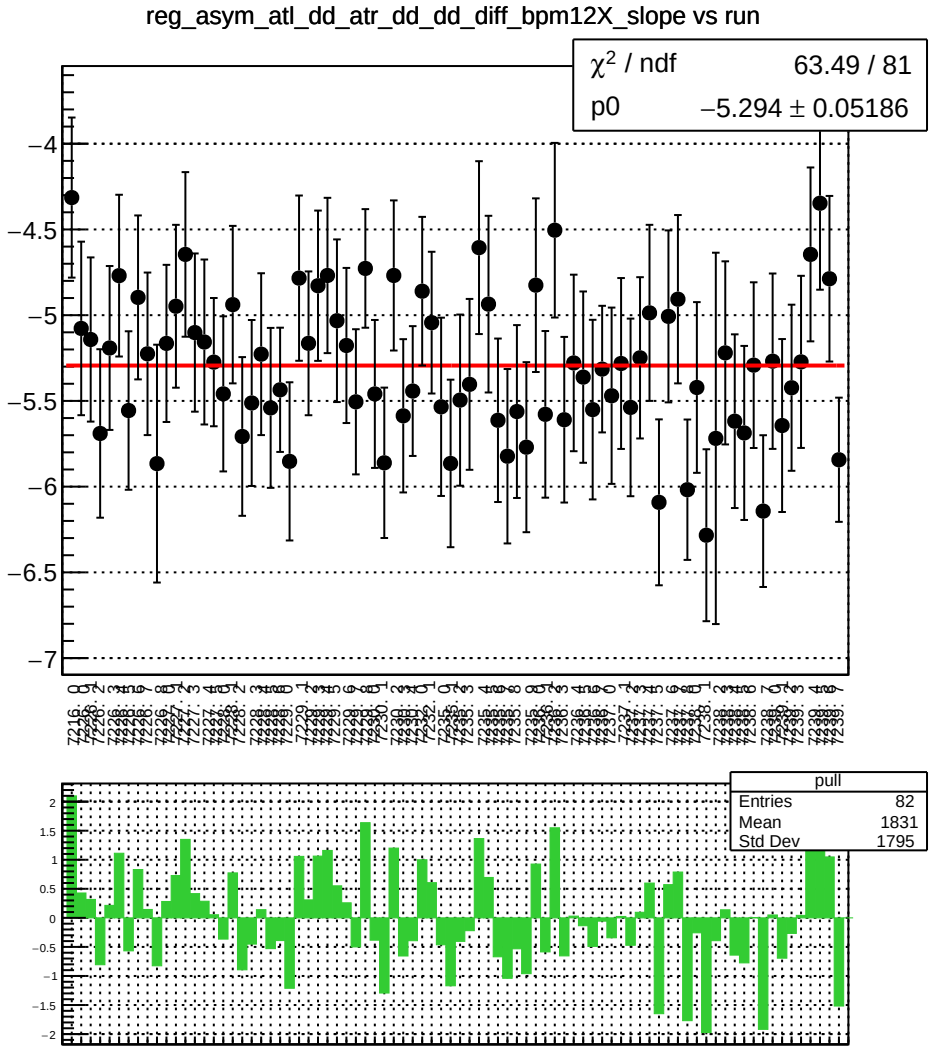

pull1D
Entries 82
Mean −0.003289
Std Dev 0.8673

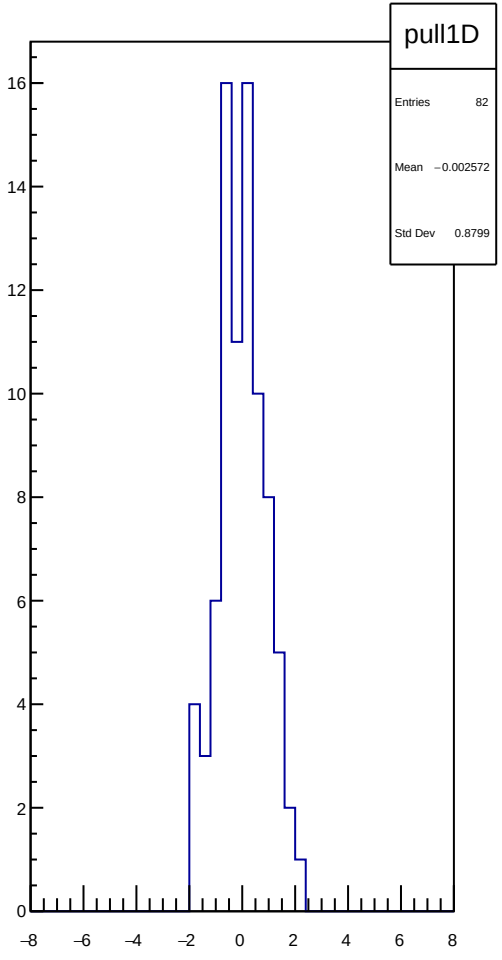

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.9 / 81
p0 −1.731 ± 1.101
pull
Entries 82
Mean −4206
Std Dev 4241
pull1D
Entries 82
Mean −0.001327
Std Dev 0.7801

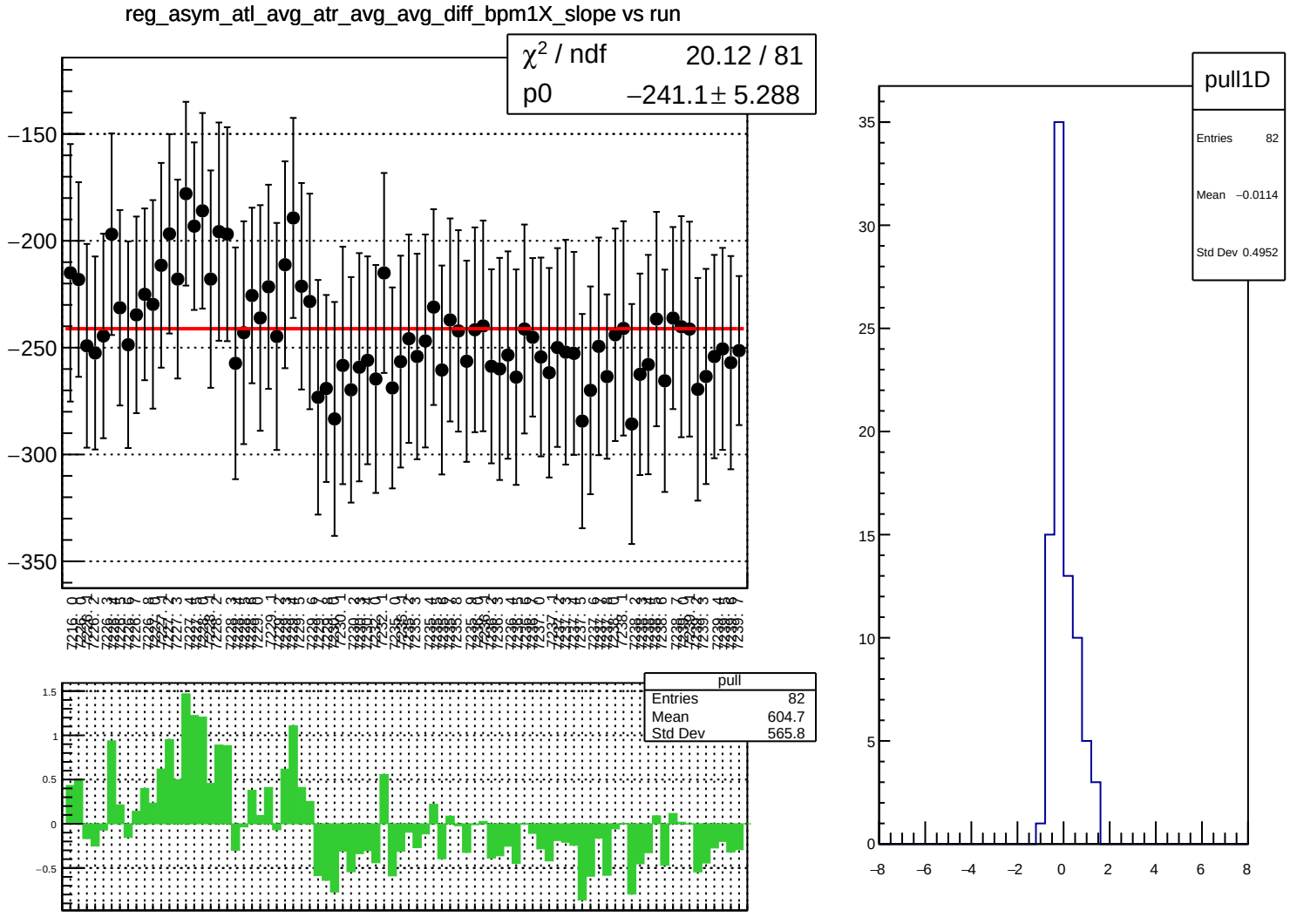

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.49 / 81
p0 62.66 ± 1.461
pull
Entries 82
Mean 530.2
Std Dev 489.6

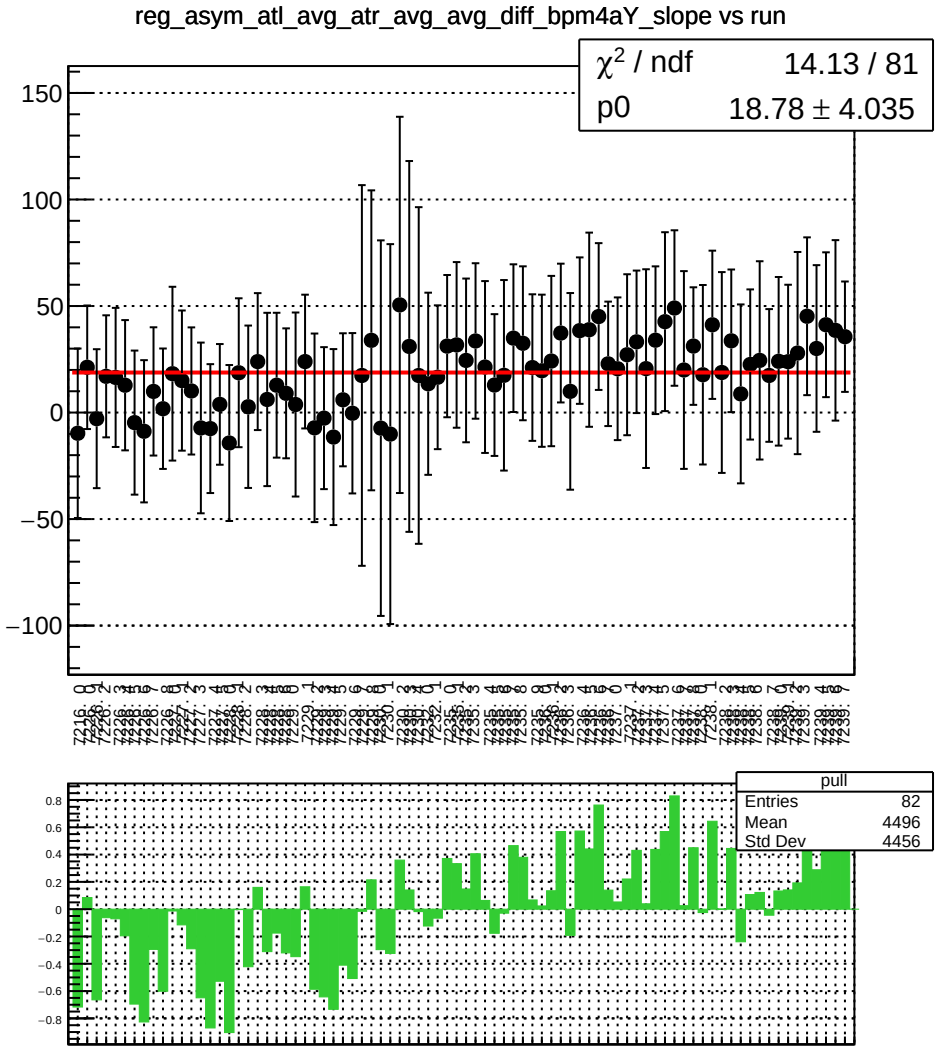

pull1D
Entries 82
Mean 0.006723
Std Dev 0.8729

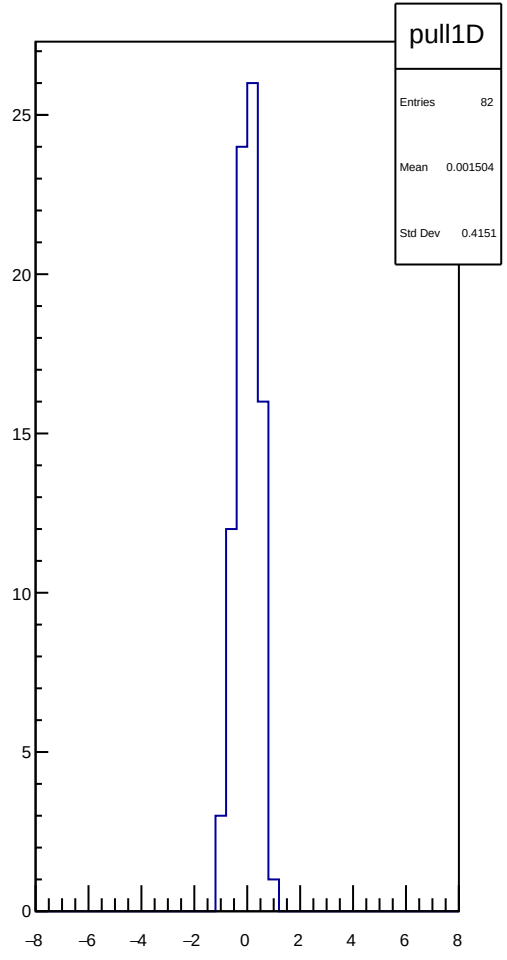

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.3 / 81
p0 4.514 ± 1.209
pull
Entries 82
Mean −1439
Std Dev 1474
pull1D
Entries 82
Mean 0.003757
Std Dev 0.7754

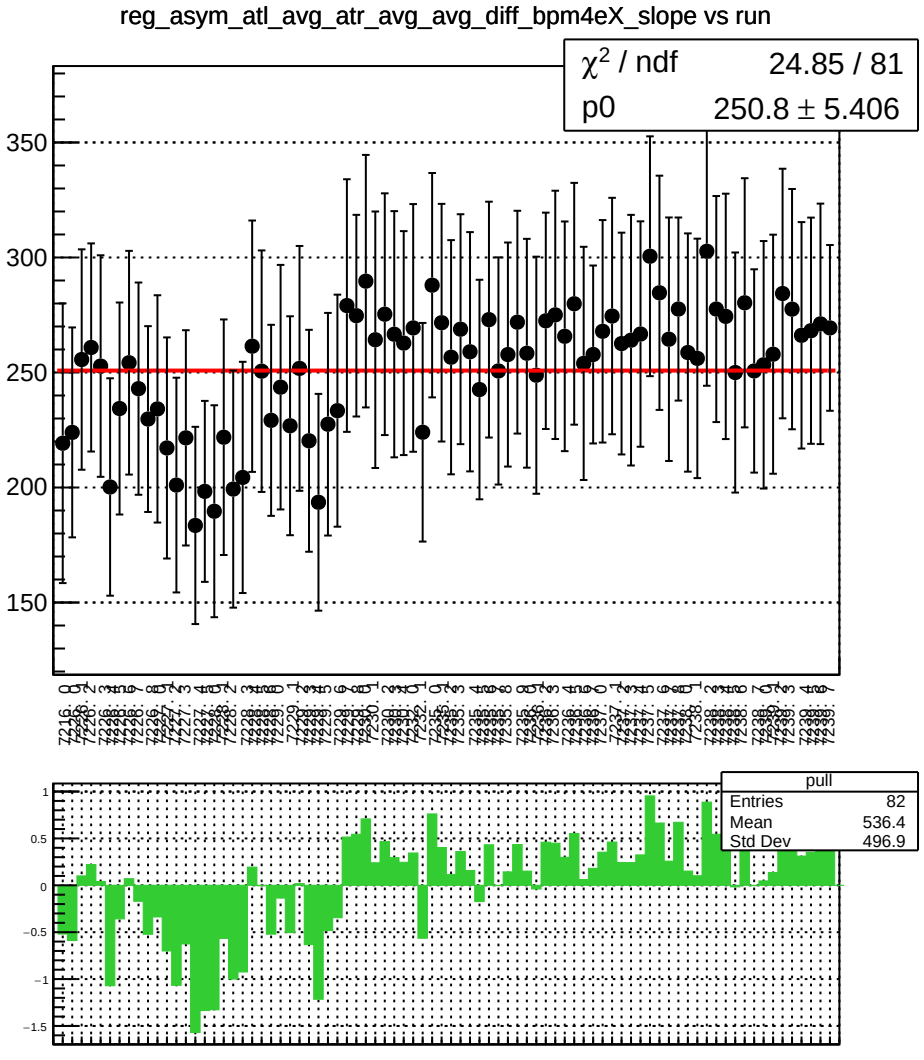

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 63.49 / 81
p0 −5.294 ± 0.05186
pull
Entries 82
Mean 1831
Std Dev 1795

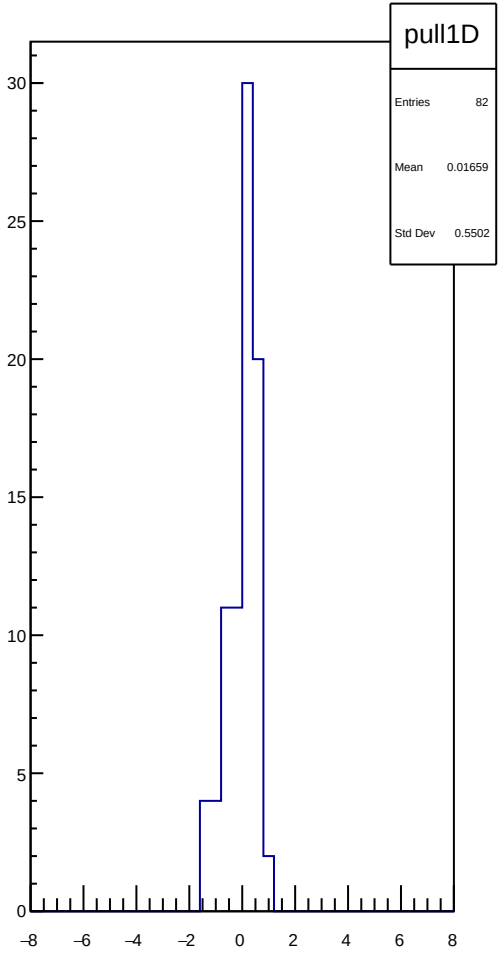

pull1D
Entries 82
Mean −0.002572
Std Dev 0.8799

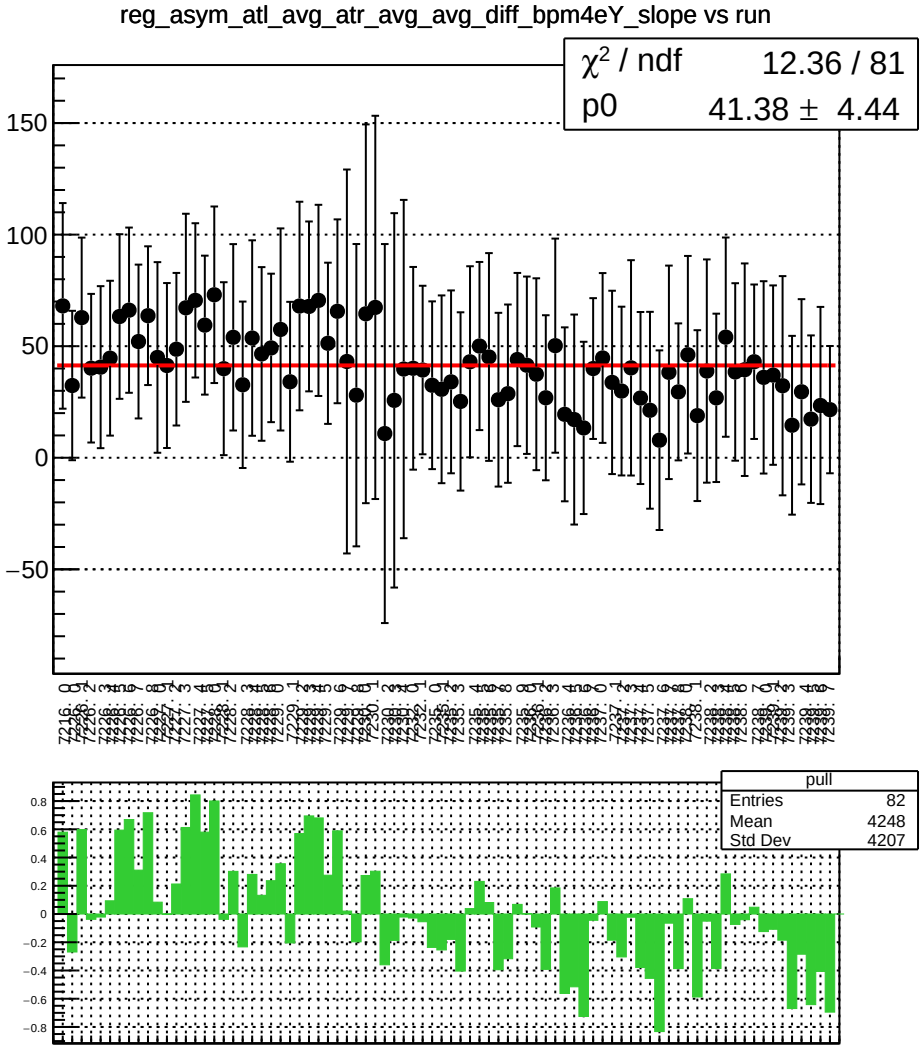

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 20.12 / 81
p0 −241.1 ± 5.288
pull
Entries 82
Mean 604.7
Std Dev 565.8
pull1D
Entries 82
Mean −0.0114
Std Dev 0.4952

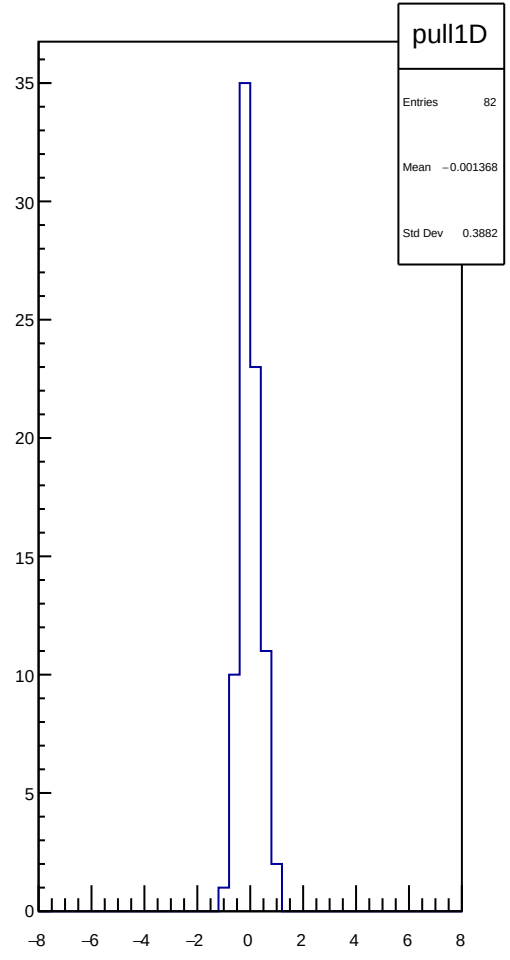

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.13 / 81
p0 18.78 ± 4.035
150
100
50
0
−50
−100
pull
Entries 82
Mean 4496
Std Dev 4456
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

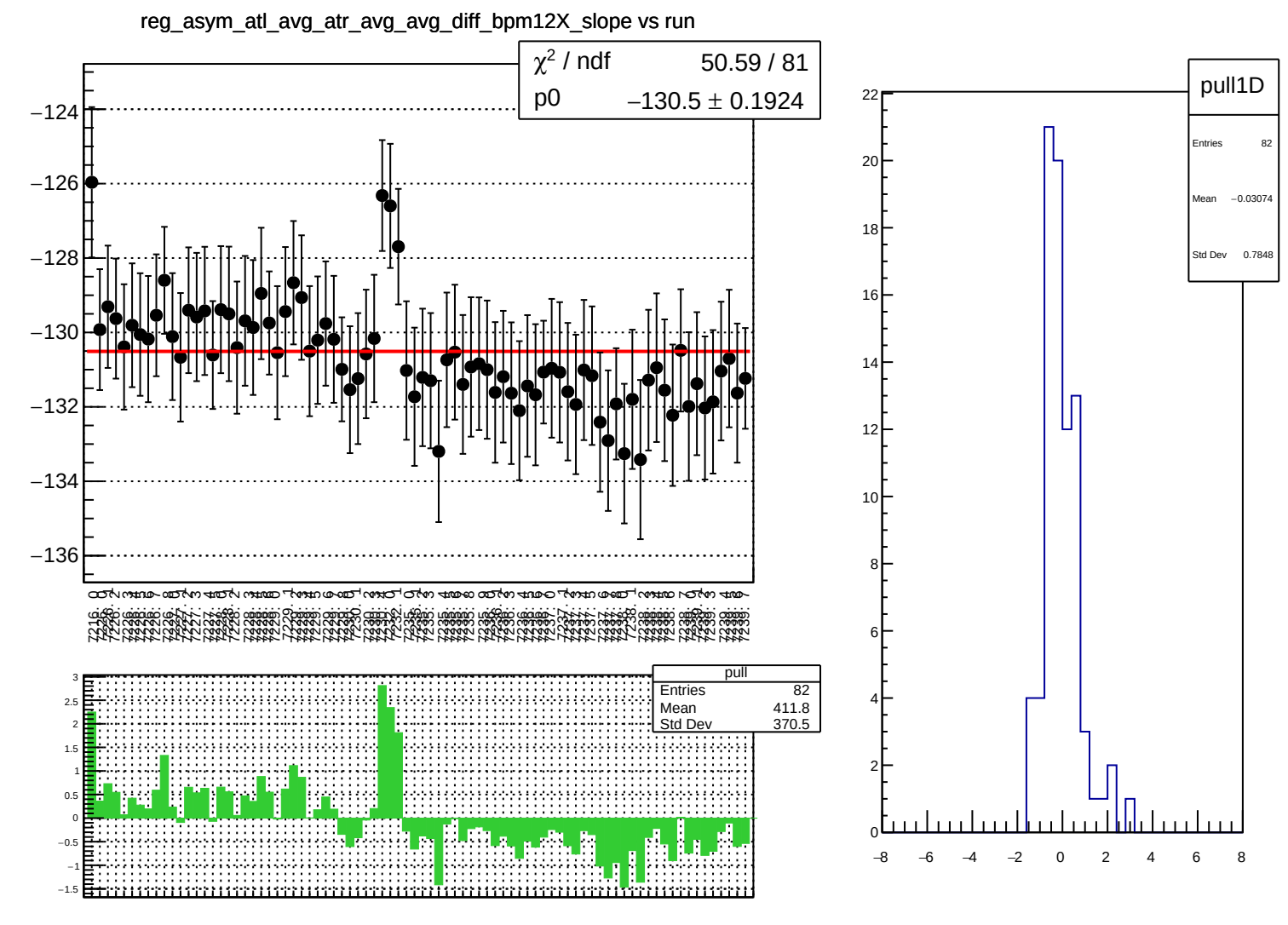

pull1D
Entries 82
Mean 0.001504
Std Dev 0.4151
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

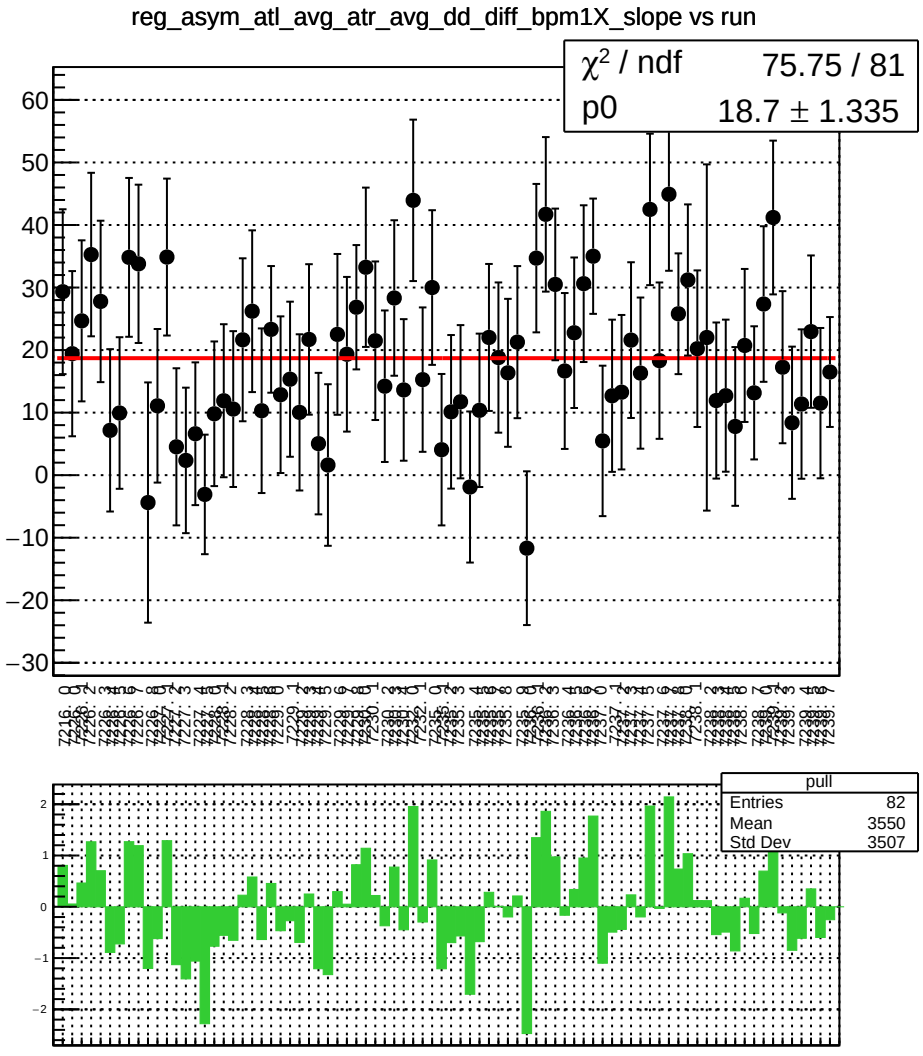

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.85 / 81
p0 250.8 ± 5.406
350
300
250
200
150
pull
Entries 82
Mean 536.4
Std Dev 496.9
1
0.5
0
−0.5
−1
−1.5

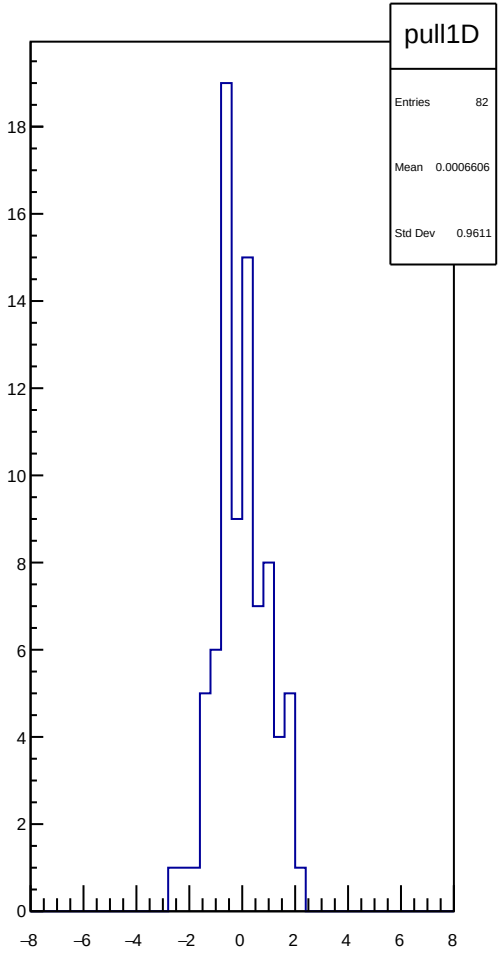

pull1D
Entries 82
Mean 0.01659
Std Dev 0.5502
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

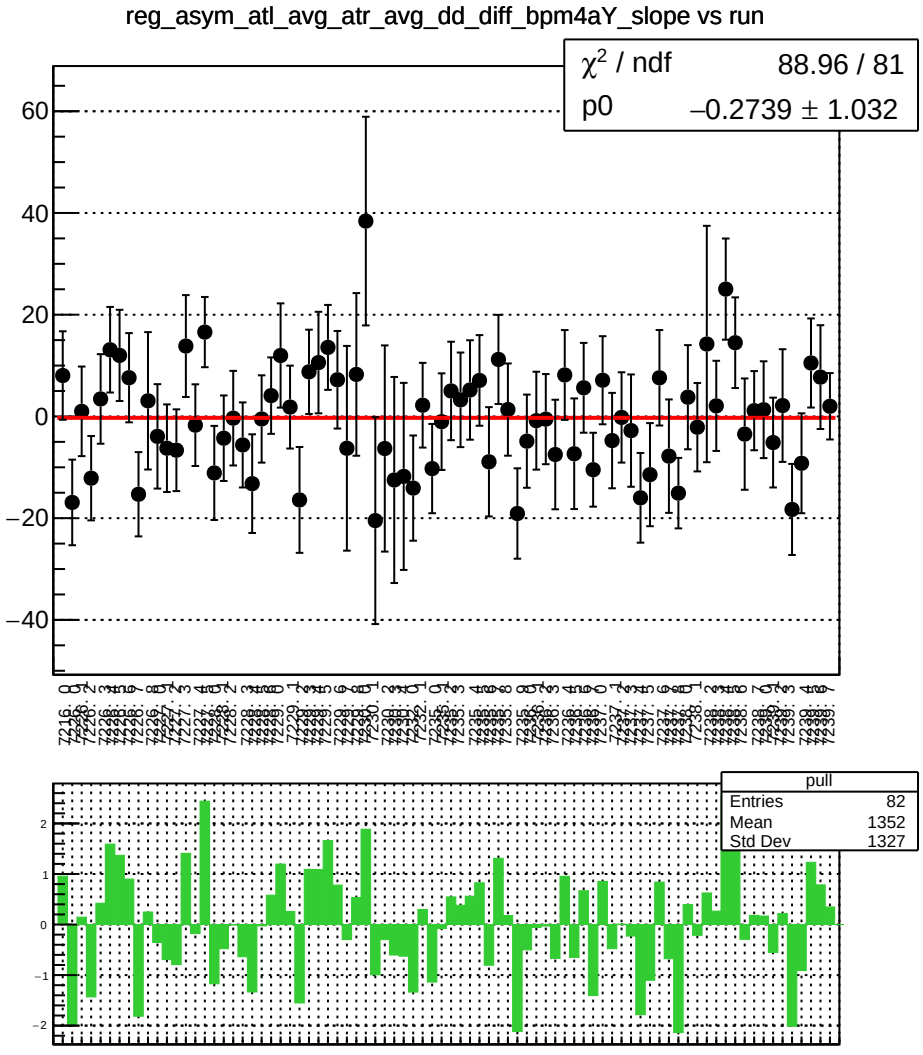

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.36 / 81
p0 41.38 ± 4.44
150
100
50
0
−50
pull
Entries 82
Mean 4248
Std Dev 4207
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

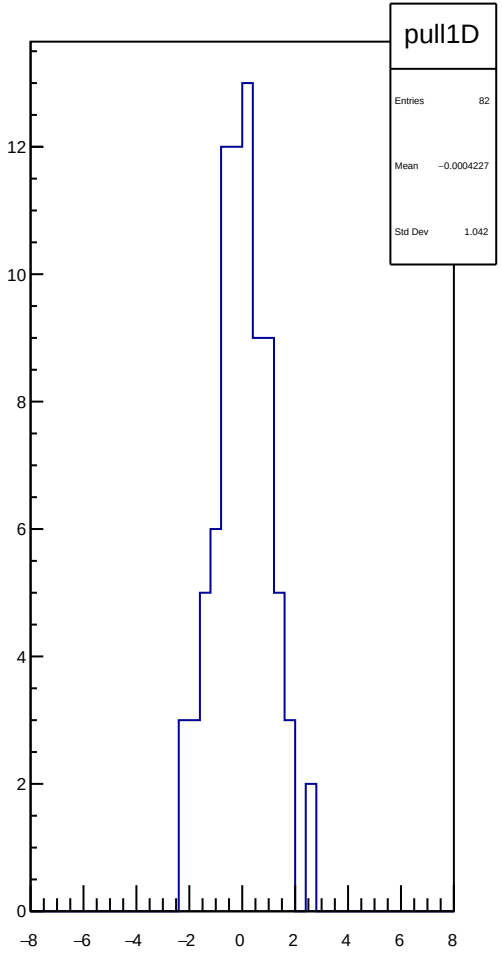

pull1D
Entries 82
Mean −0.001368
Std Dev 0.3882
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

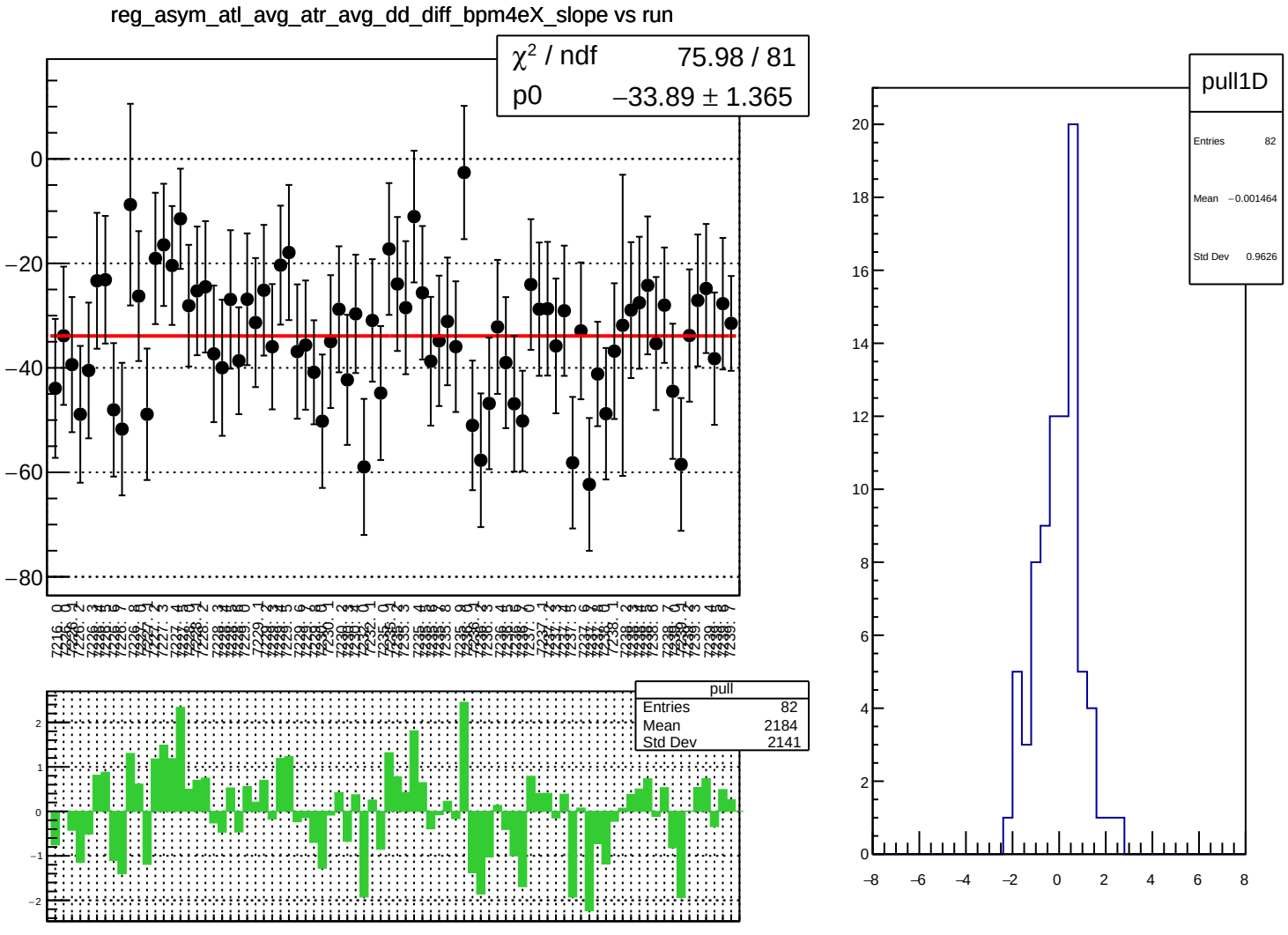

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 50.59 / 81
p0 −130.5 ± 0.1924
−124
−126
−128
−130
−132
−134
−136
pull
Entries 82
Mean 411.8
Std Dev 370.5
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.03074
Std Dev 0.7848
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

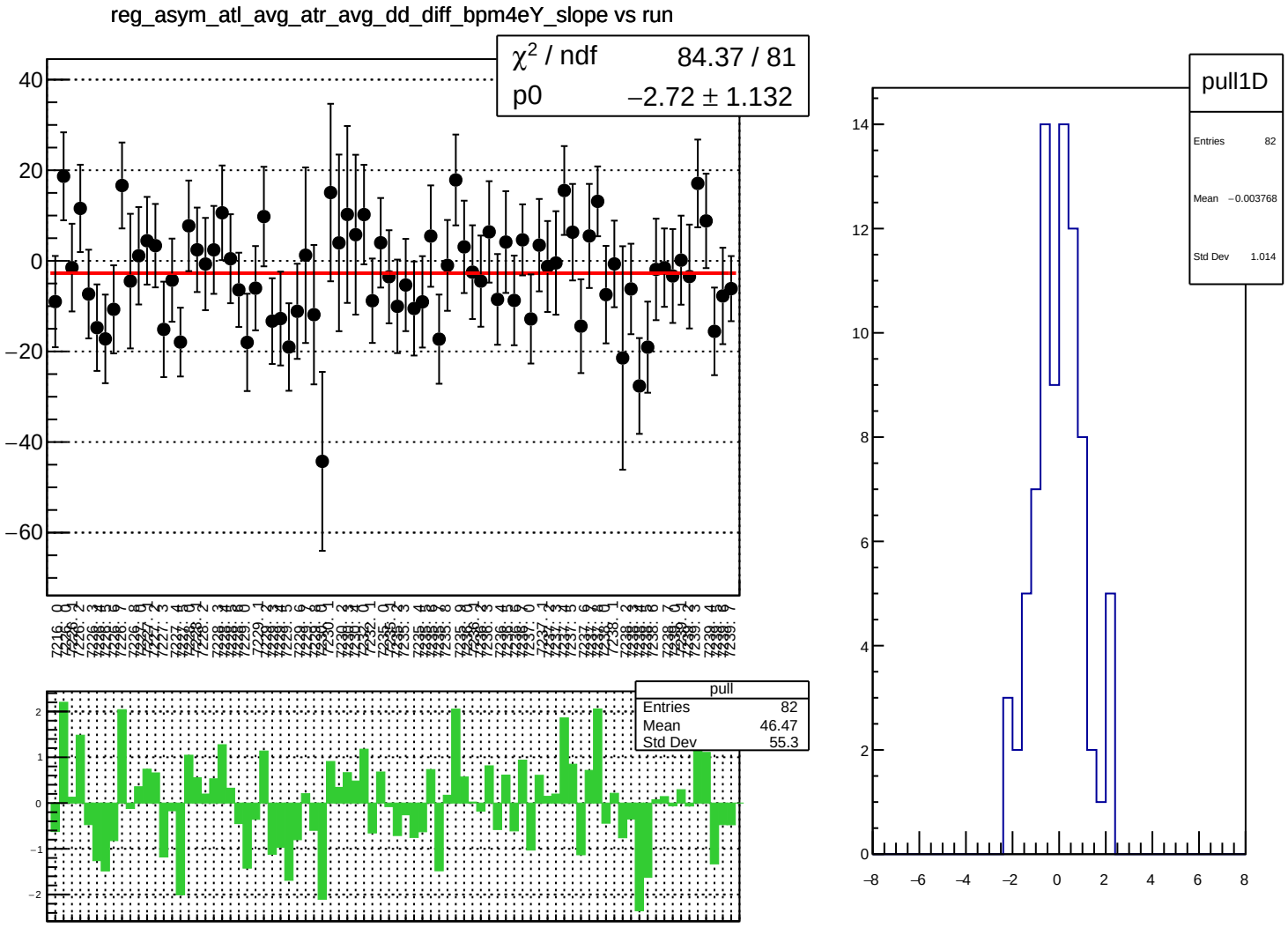

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 75.75 / 81
p0 18.7 ± 1.335
pull
Entries 82
Mean 3550
Std Dev 3507

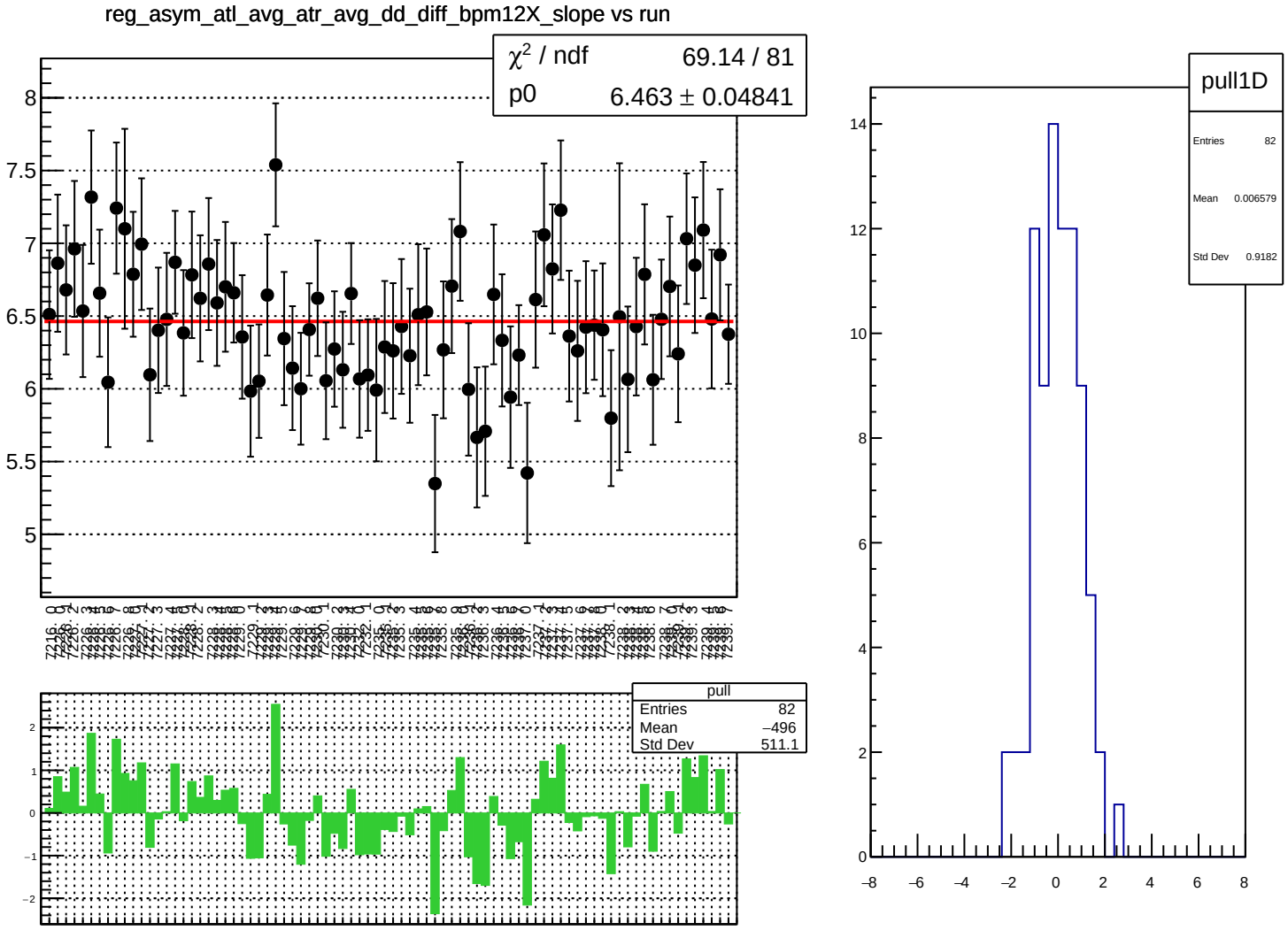

pull1D
Entries 82
Mean 0.0006606
Std Dev 0.9611

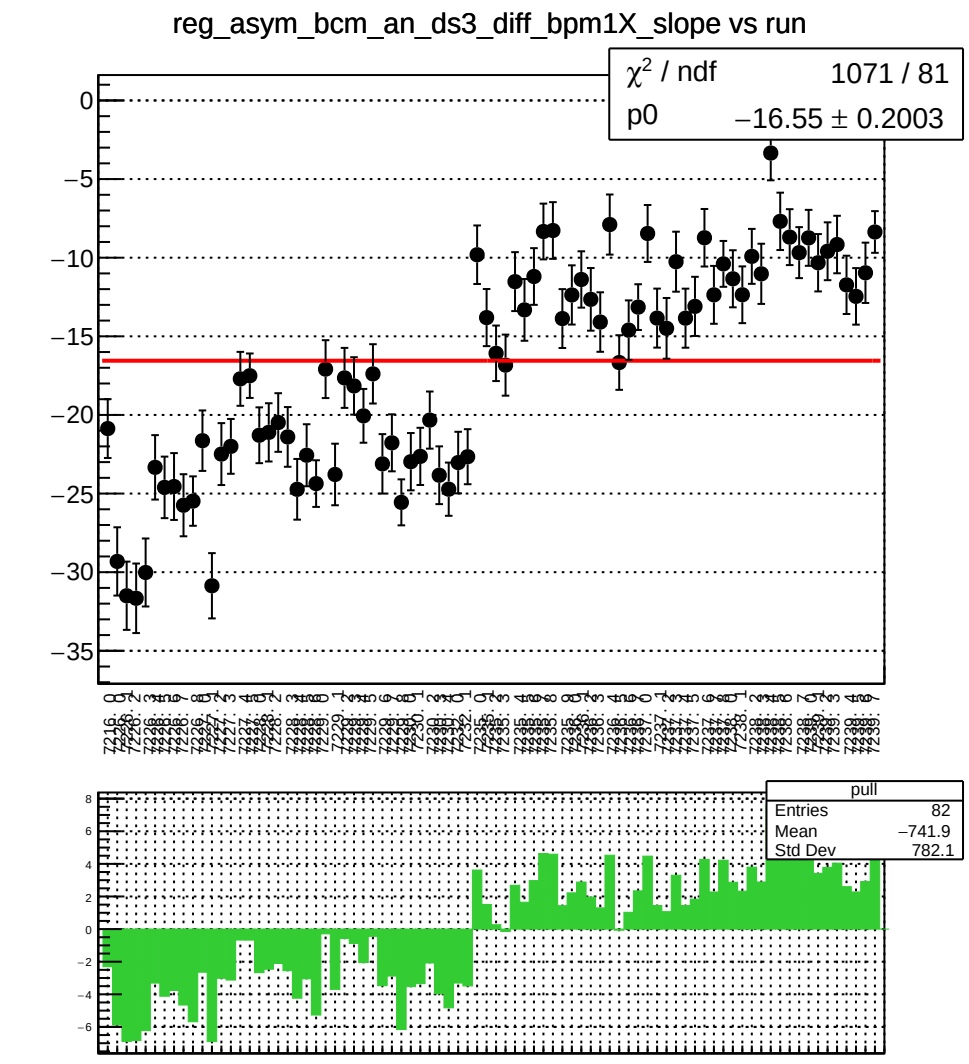

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 88.96 / 81
p0 −0.2739 ± 1.032
pull
Entries 82
Mean 1352
Std Dev 1327

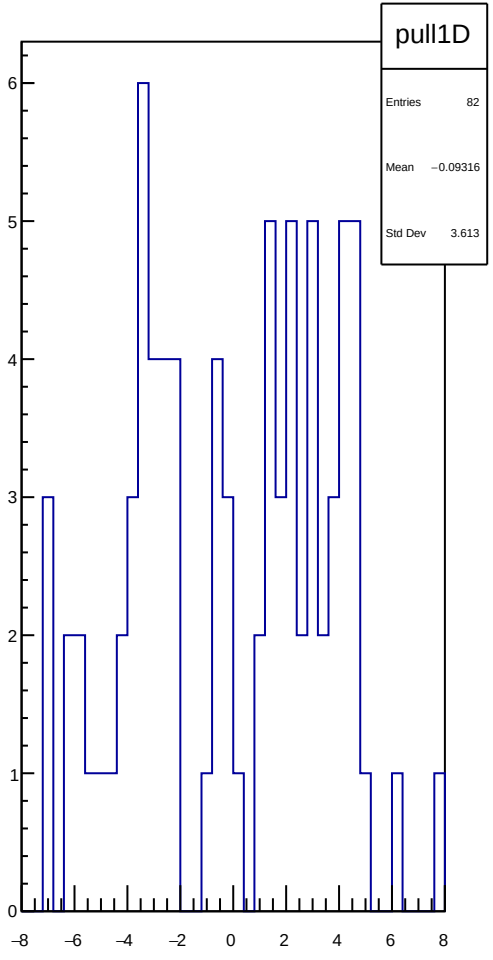

pull1D
Entries 82
Mean −0.0004227
Std Dev 1.042

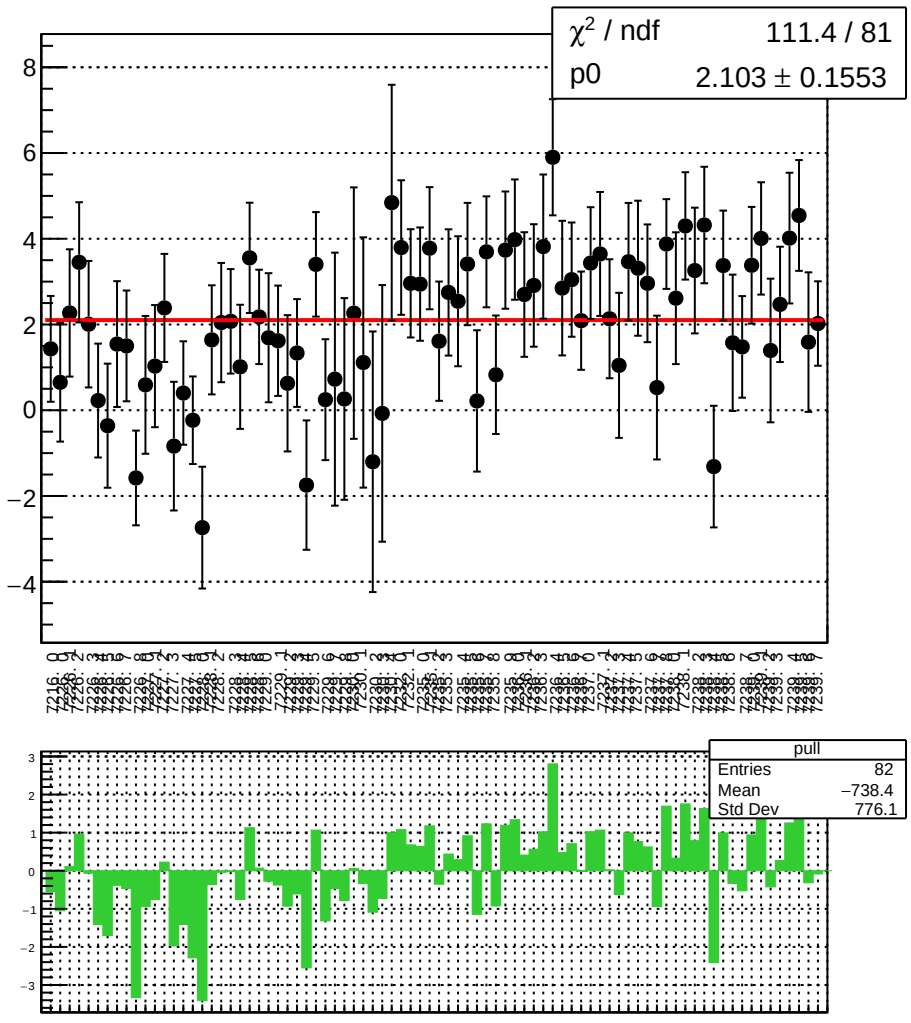

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.98 / 81
p0 −33.89 ± 1.365
pull
Entries 82
Mean 2184
Std Dev 2141
pull1D
Entries 82
Mean −0.001464
Std Dev 0.9626

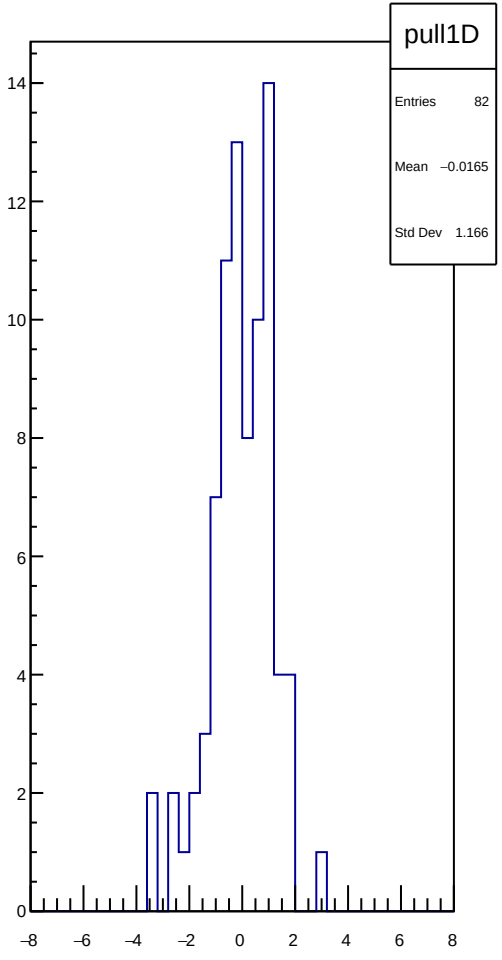

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.37 / 81
p0 −2.72 ± 1.132
pull
Entries 82
Mean 46.47
Std Dev 55.3
pull1D
Entries 82
Mean −0.003768
Std Dev 1.014

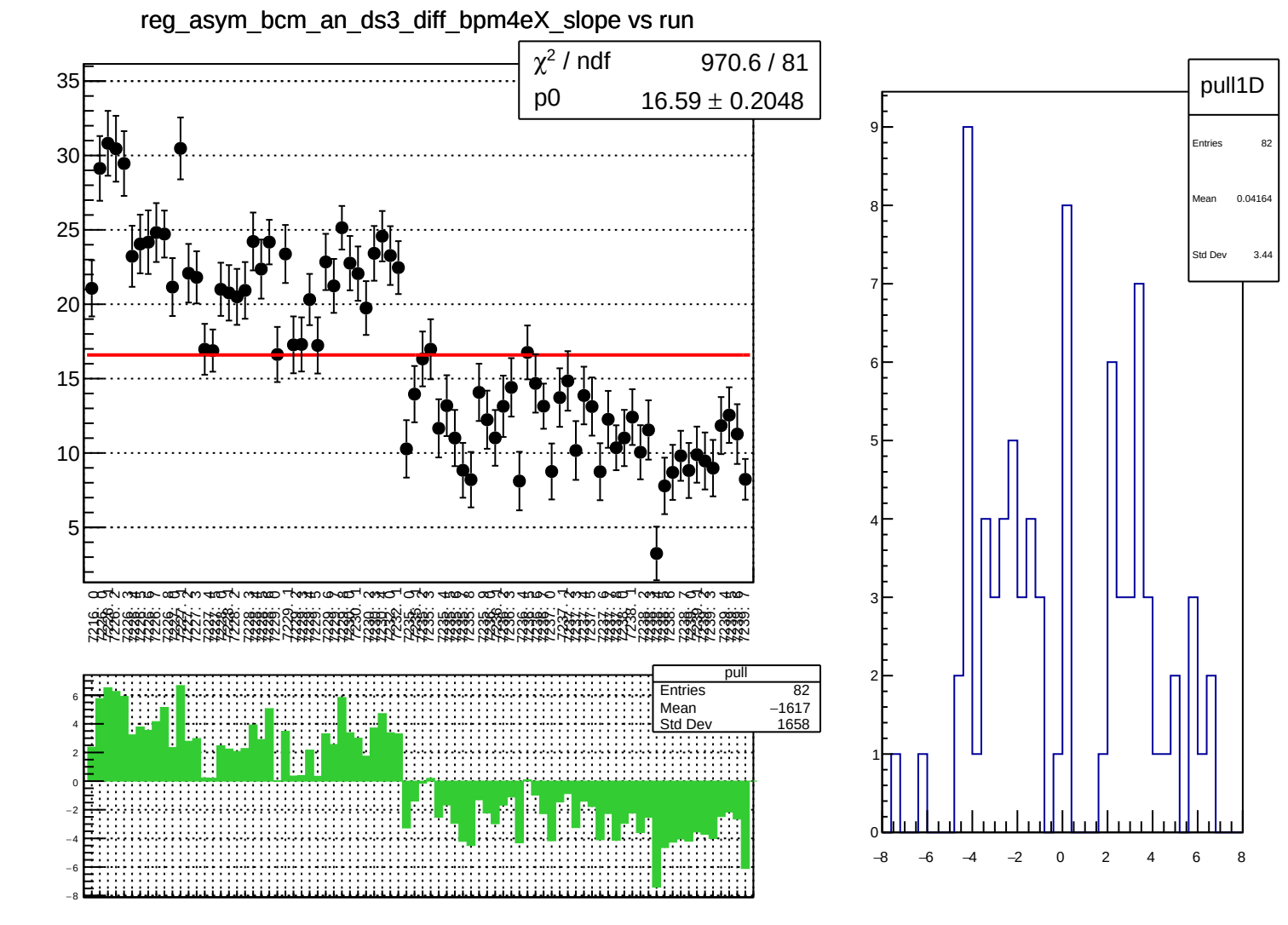

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 69.14 / 81
p0 6.463 ± 0.04841
pull
Entries 82
Mean −496
Std Dev 511.1
pull1D
Entries 82
Mean 0.006579
Std Dev 0.9182

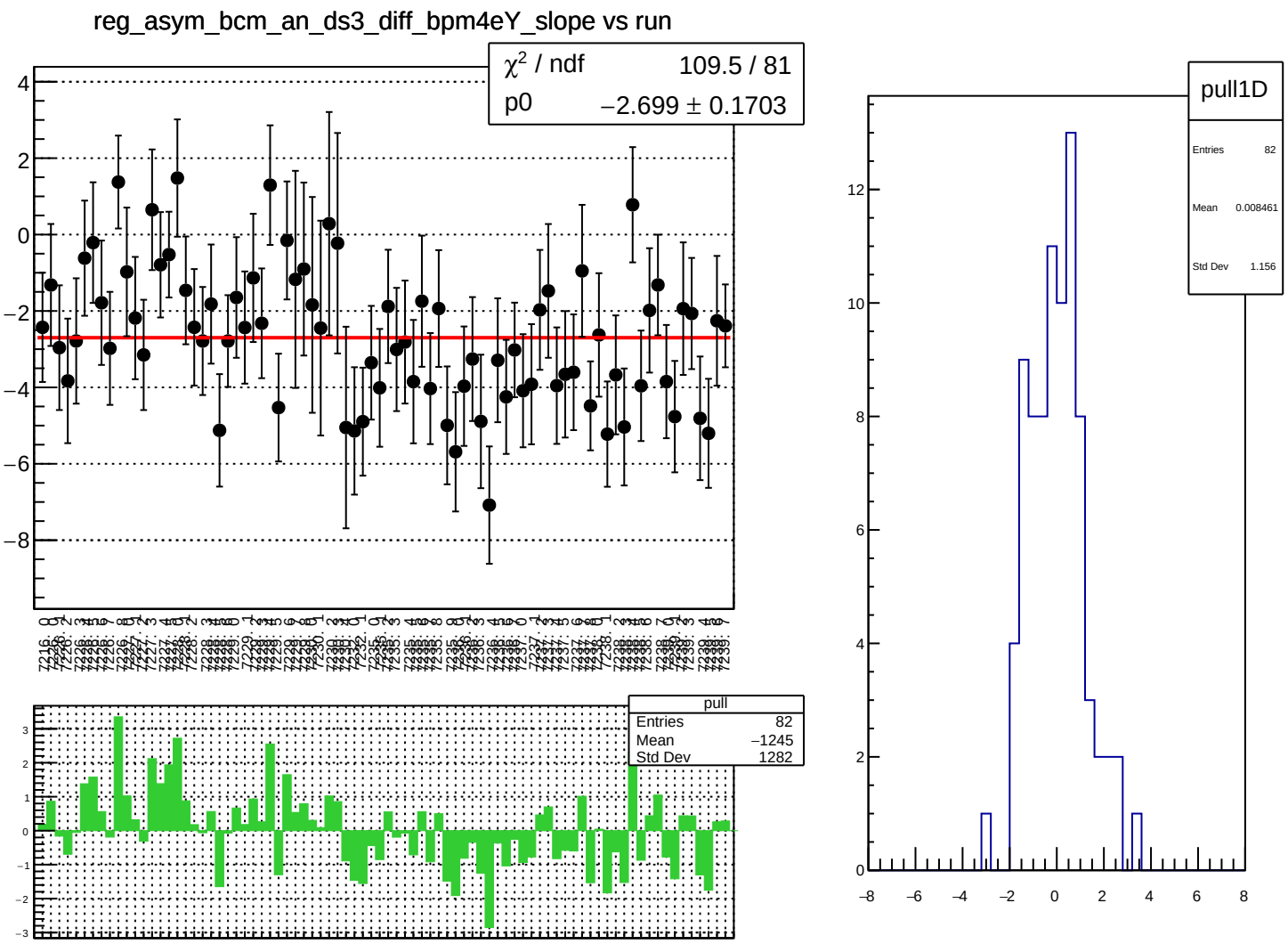

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1071 / 81
p0 −16.55 ± 0.2003
pull
Entries 82
Mean −741.9
Std Dev 782.1

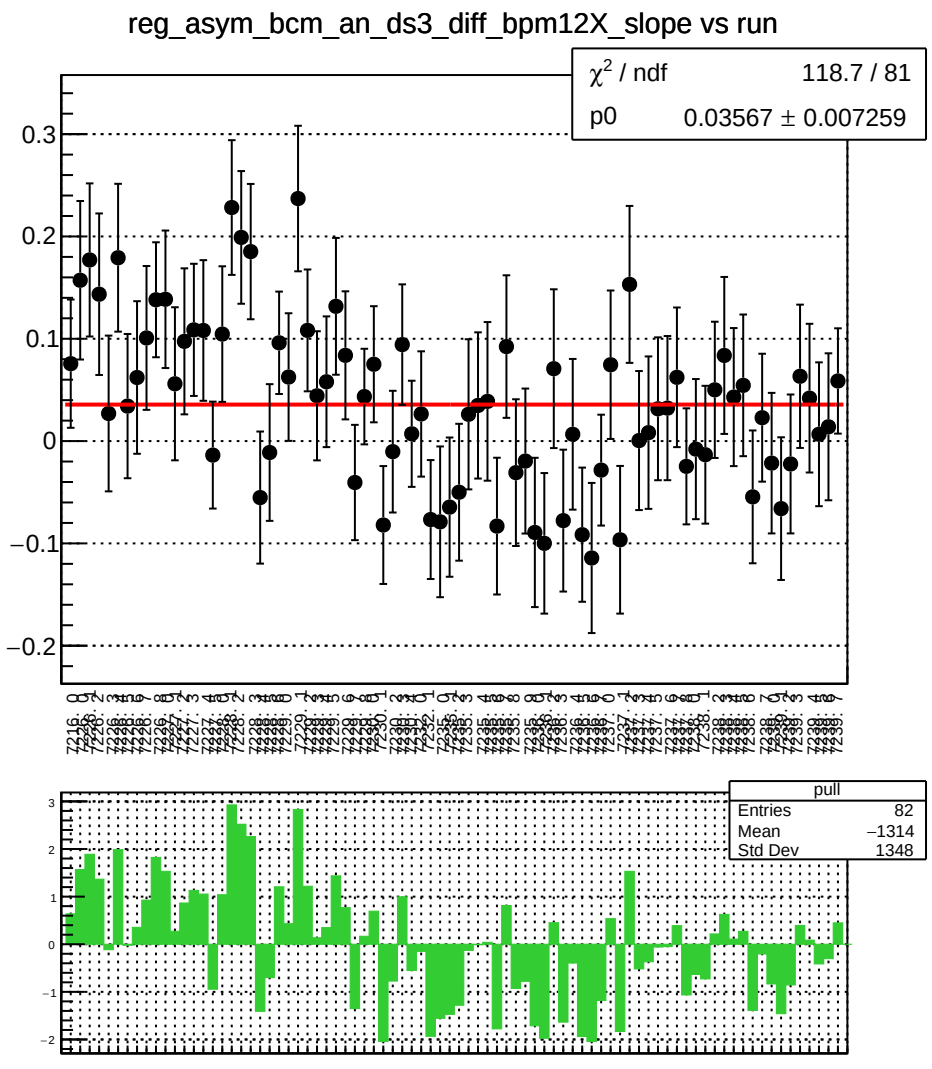

pull1D
Entries 82
Mean −0.09316
Std Dev 3.613

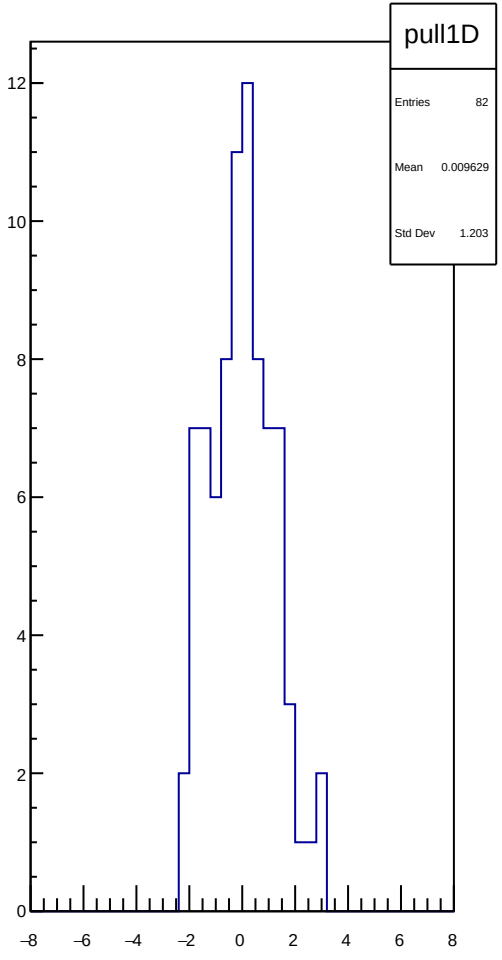

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 111.4 / 81
p0 2.103 ± 0.1553
pull
Entries 82
Mean −738.4
Std Dev 776.1

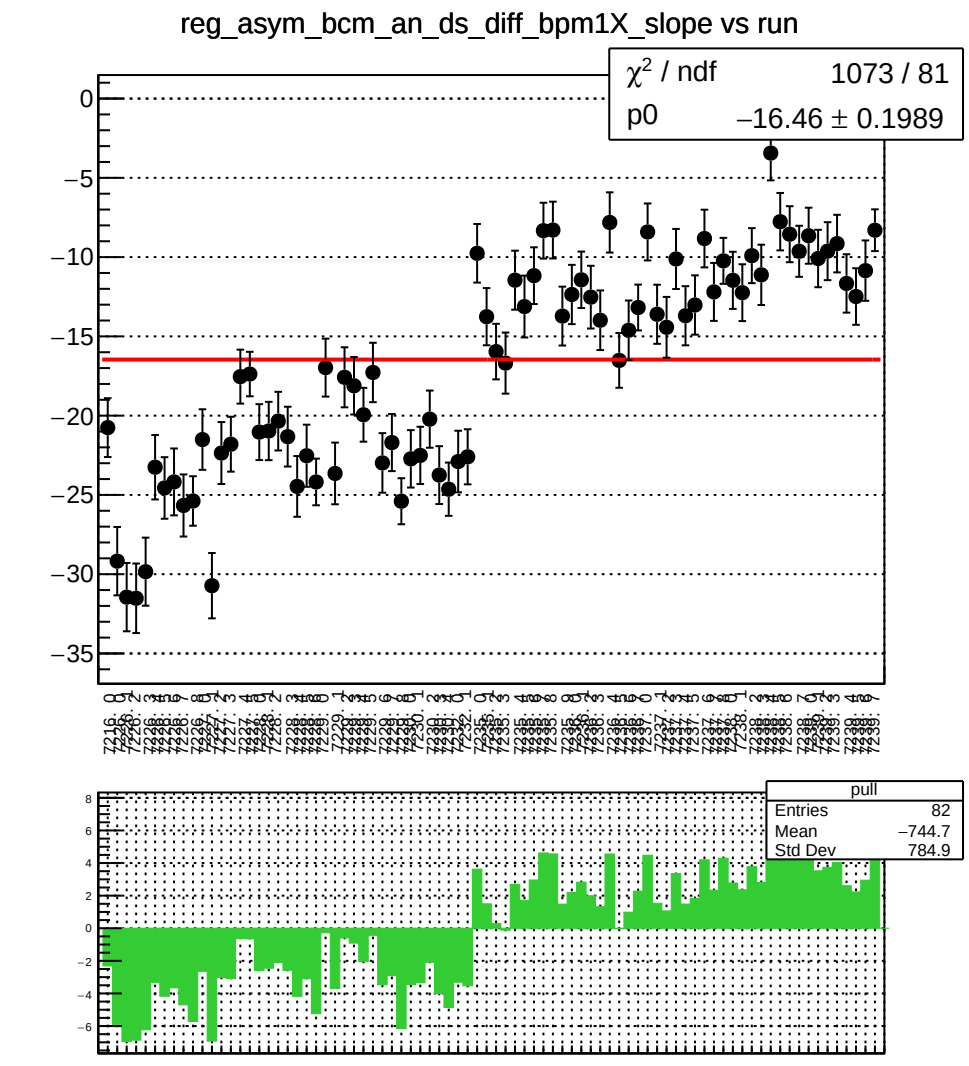

pull1D
Entries 82
Mean −0.0165
Std Dev 1.166

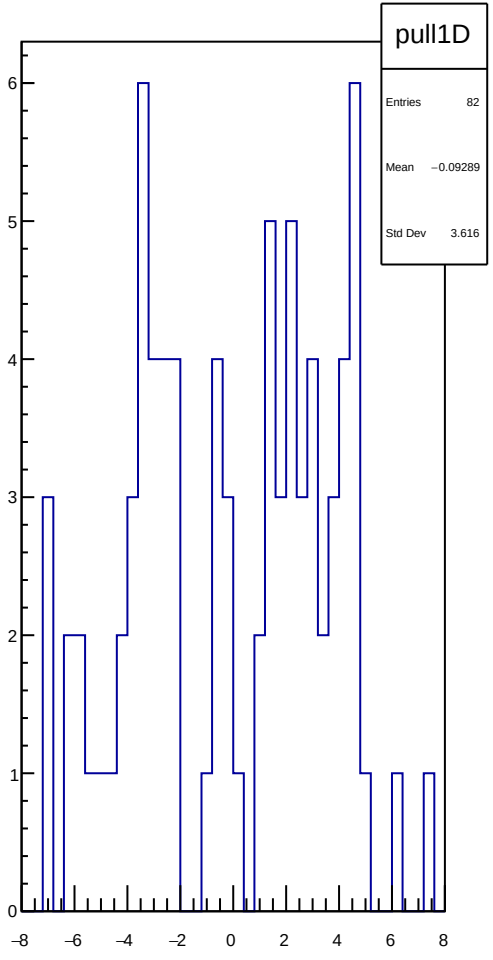

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 970.6 / 81
p0 16.59 ± 0.2048
pull
Entries 82
Mean −1617
Std Dev 1658
pull1D
Entries 82
Mean 0.04164
Std Dev 3.44

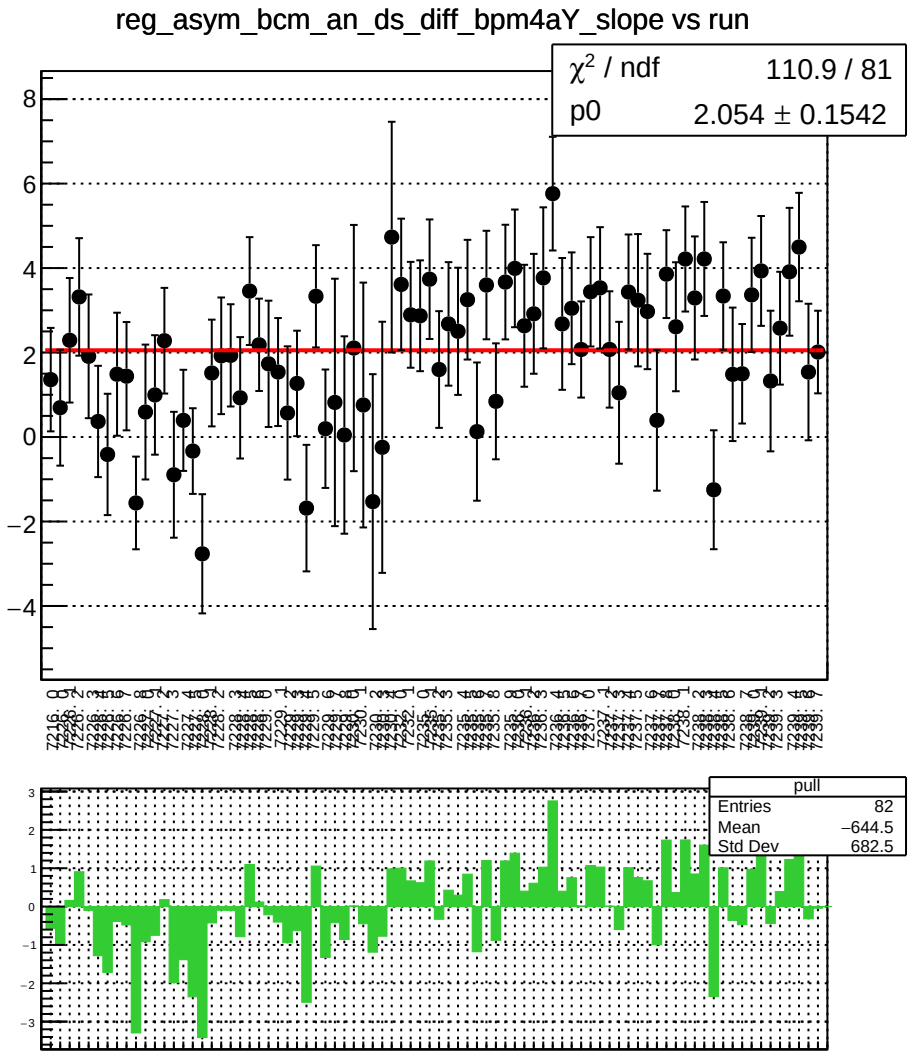

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 109.5 / 81
p0 −2.699 ± 0.1703
pull
Entries 82
Mean −1245
Std Dev 1282
pull1D
Entries 82
Mean 0.008461
Std Dev 1.156

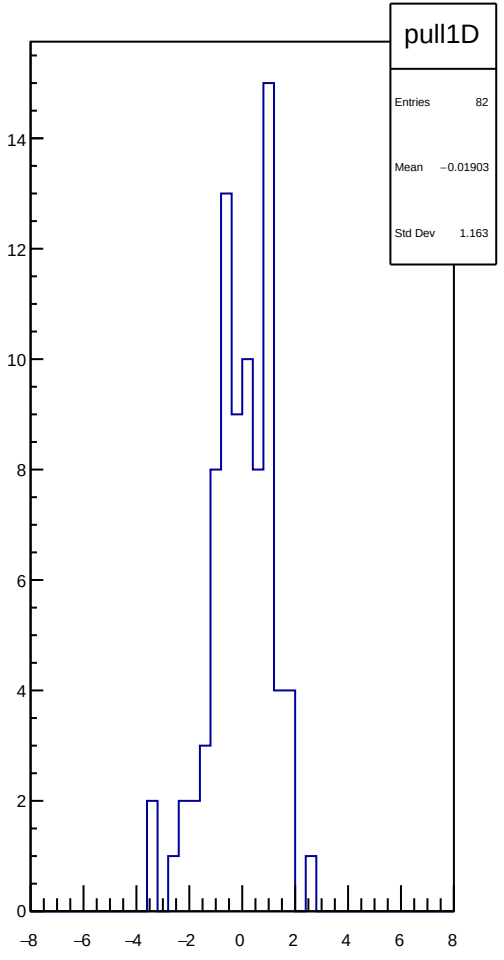

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 118.7 / 81
p0 0.03567 ± 0.007259
pull
Entries 82
Mean −1314
Std Dev 1348

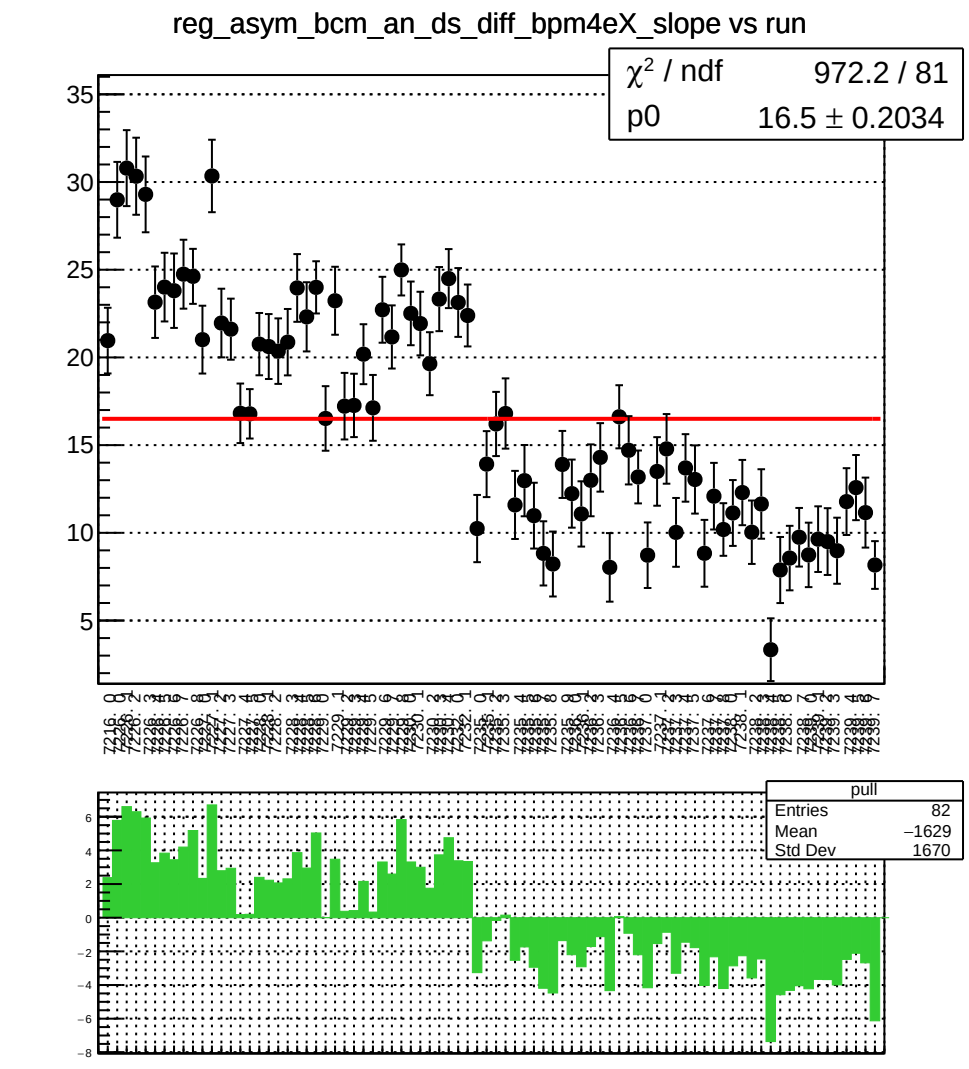

pull1D
Entries 82
Mean 0.009629
Std Dev 1.203

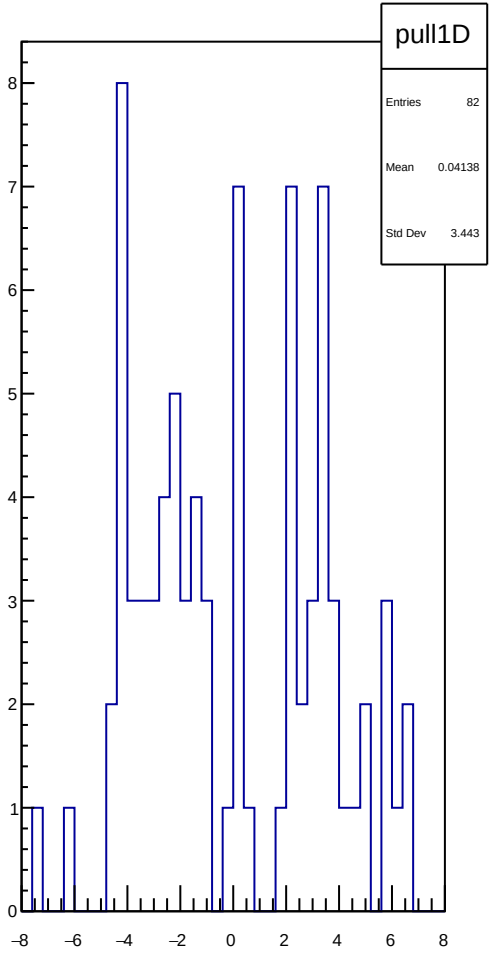

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1073 / 81
p0 −16.46 ± 0.1989
pull
Entries 82
Mean −744.7
Std Dev 784.9

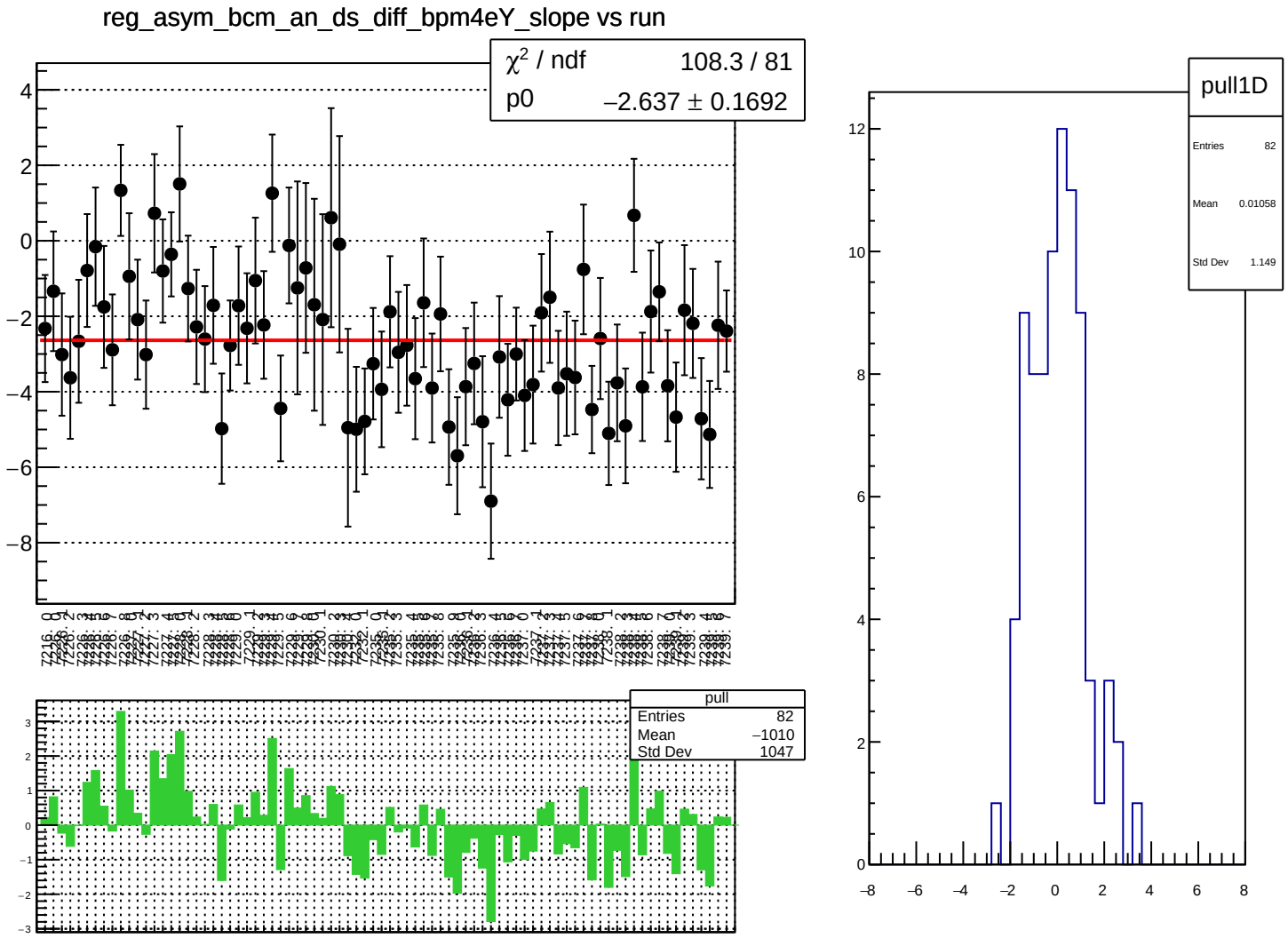

pull1D
Entries 82
Mean −0.09289
Std Dev 3.616

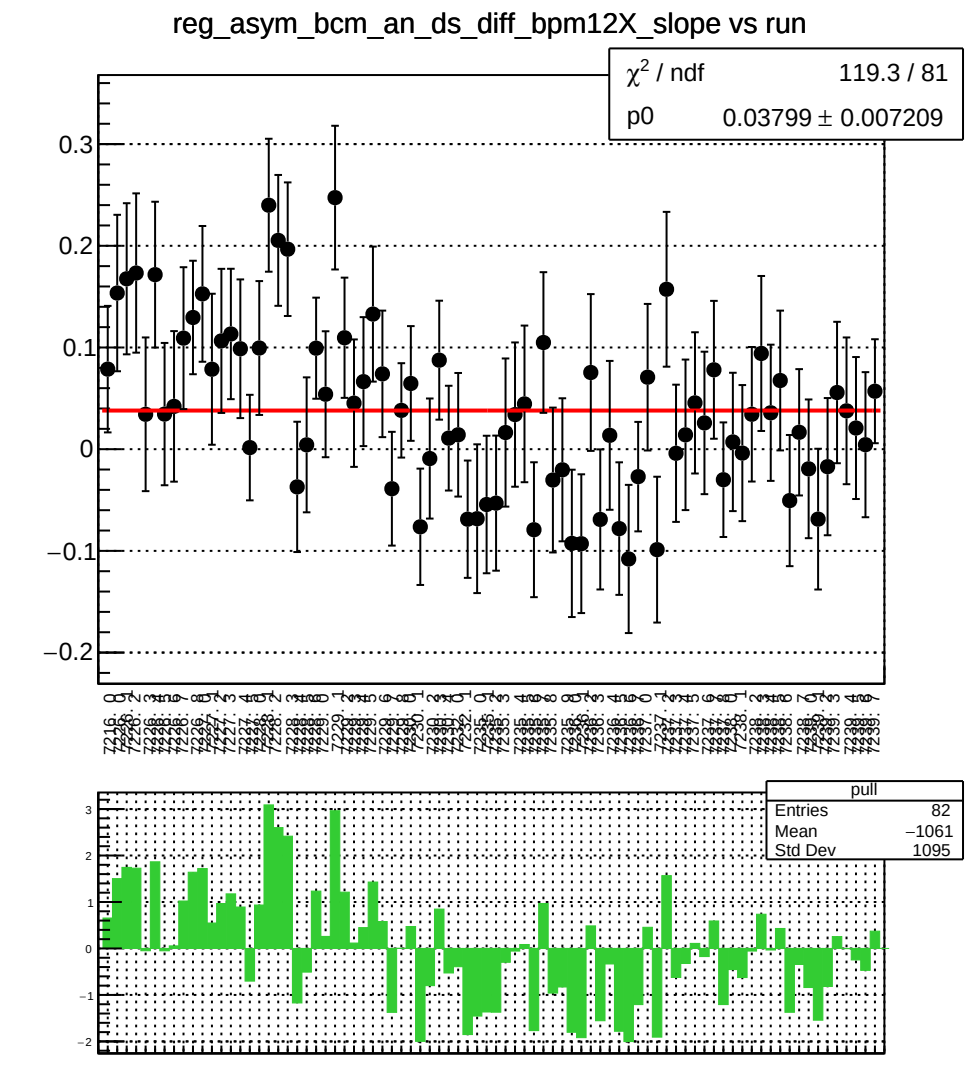

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 110.9 / 81
p0 2.054 ± 0.1542
pull
Entries 82
Mean −644.5
Std Dev 682.5

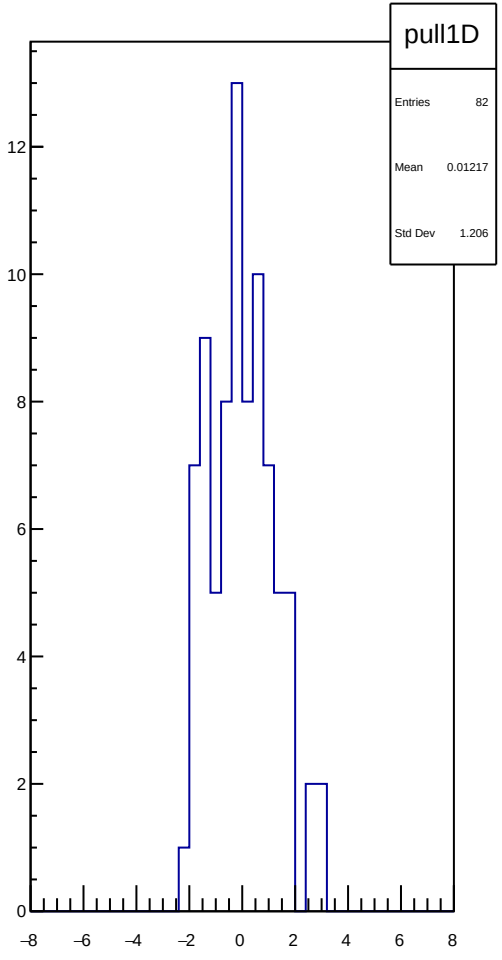

pull1D
Entries 82
Mean −0.01903
Std Dev 1.163

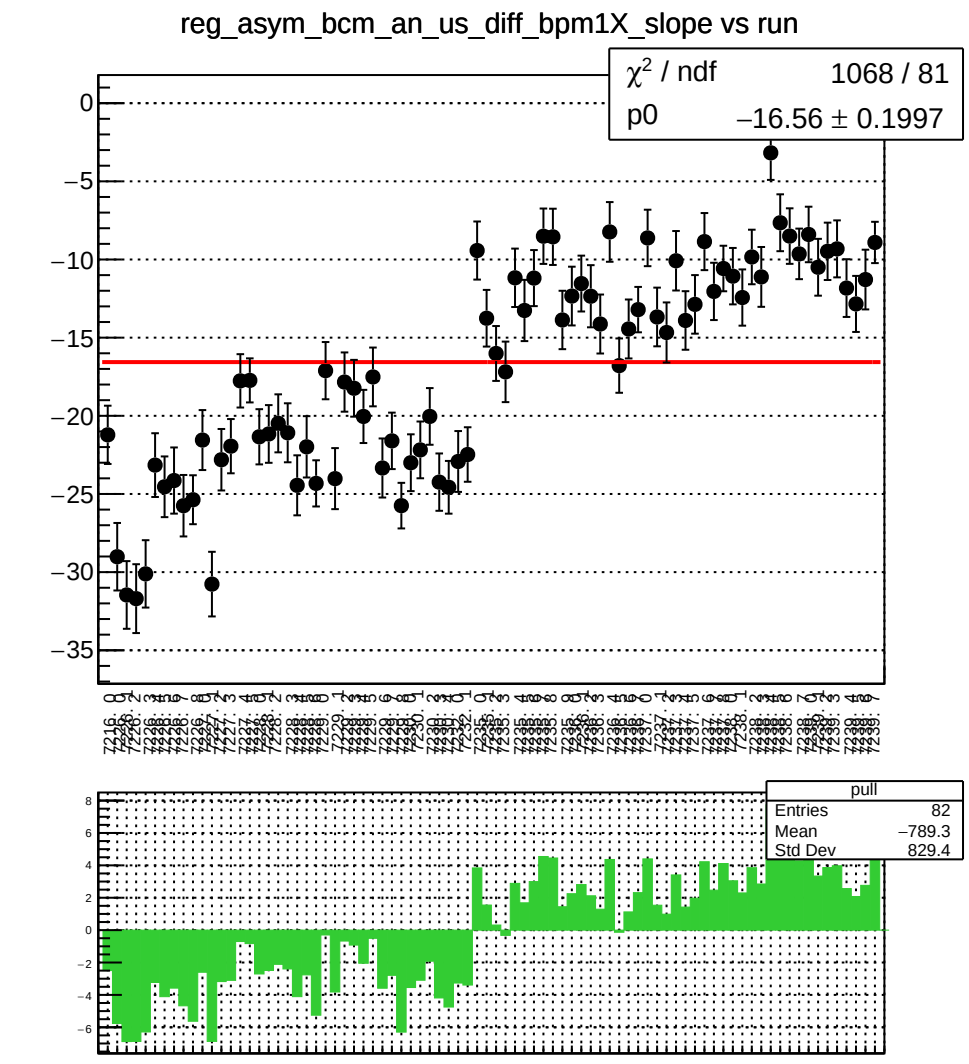

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 972.2 / 81
p0 16.5 ± 0.2034
pull
Entries 82
Mean −1629
Std Dev 1670

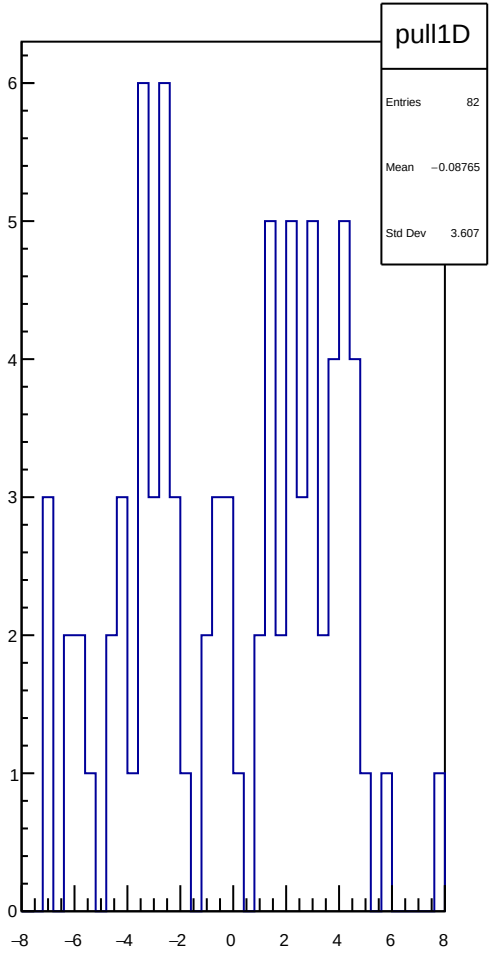

pull1D
Entries 82
Mean 0.04138
Std Dev 3.443

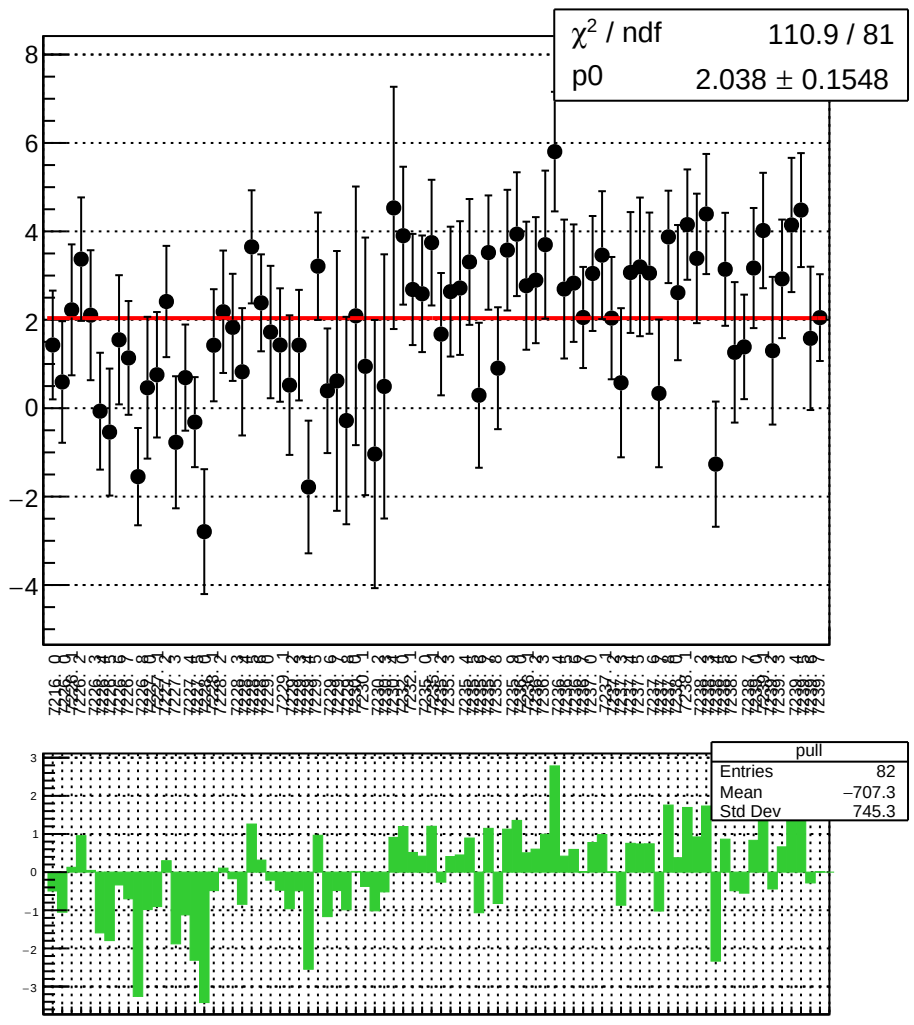

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 108.3 / 81
p0 −2.637 ± 0.1692
pull
Entries 82
Mean −1010
Std Dev 1047
pull1D
Entries 82
Mean 0.01058
Std Dev 1.149

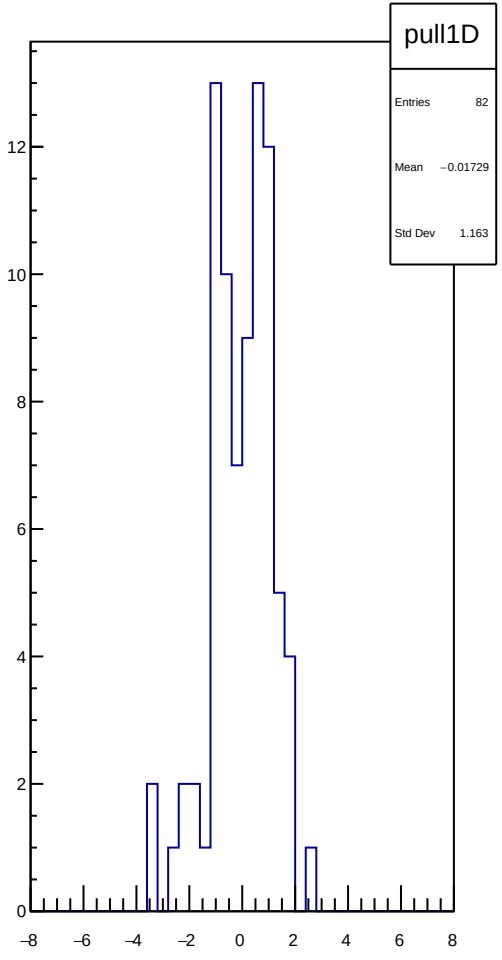

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 119.3 / 81
p0 0.03799 ± 0.007209
pull
Entries 82
Mean −1061
Std Dev 1095

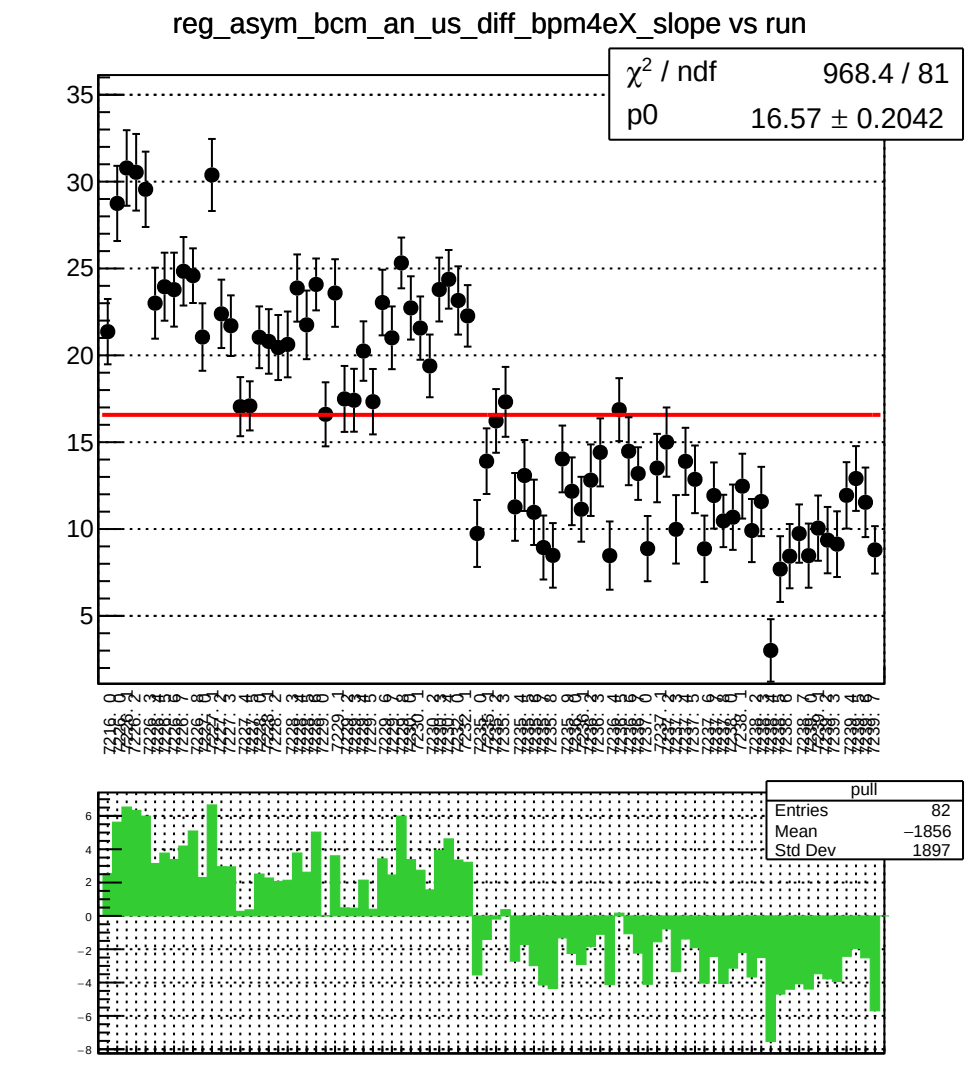

pull1D
Entries 82
Mean 0.01217
Std Dev 1.206

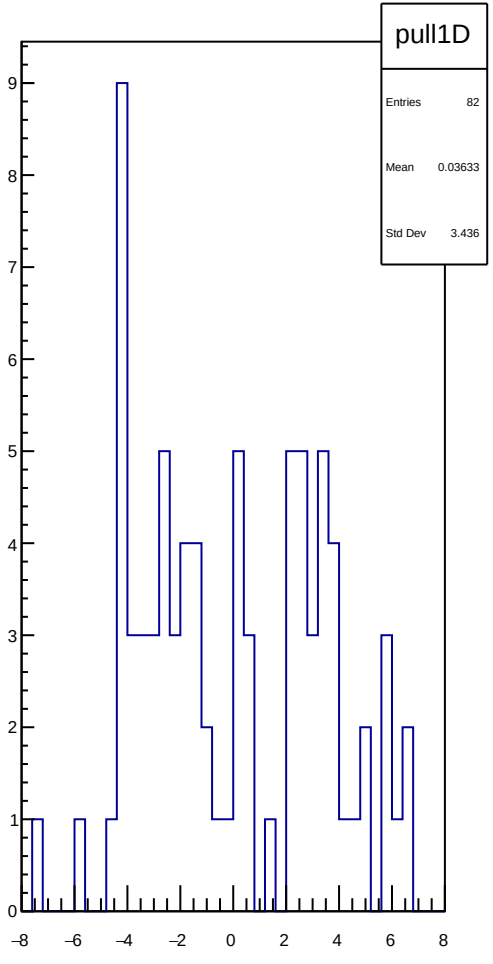

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1068 / 81
p0 −16.56 ± 0.1997
pull
Entries 82
Mean −789.3
Std Dev 829.4

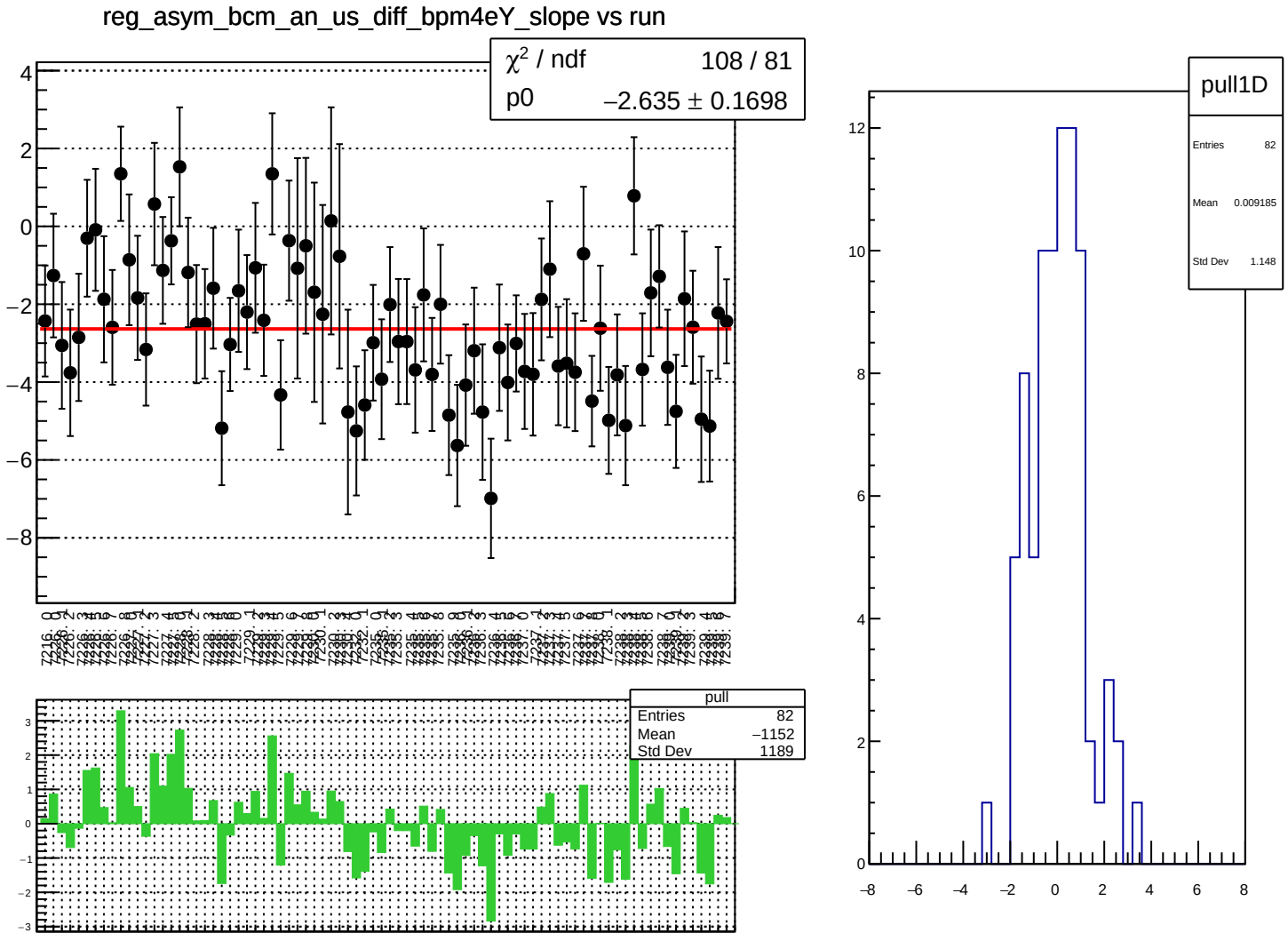

pull1D
Entries 82
Mean −0.08765
Std Dev 3.607

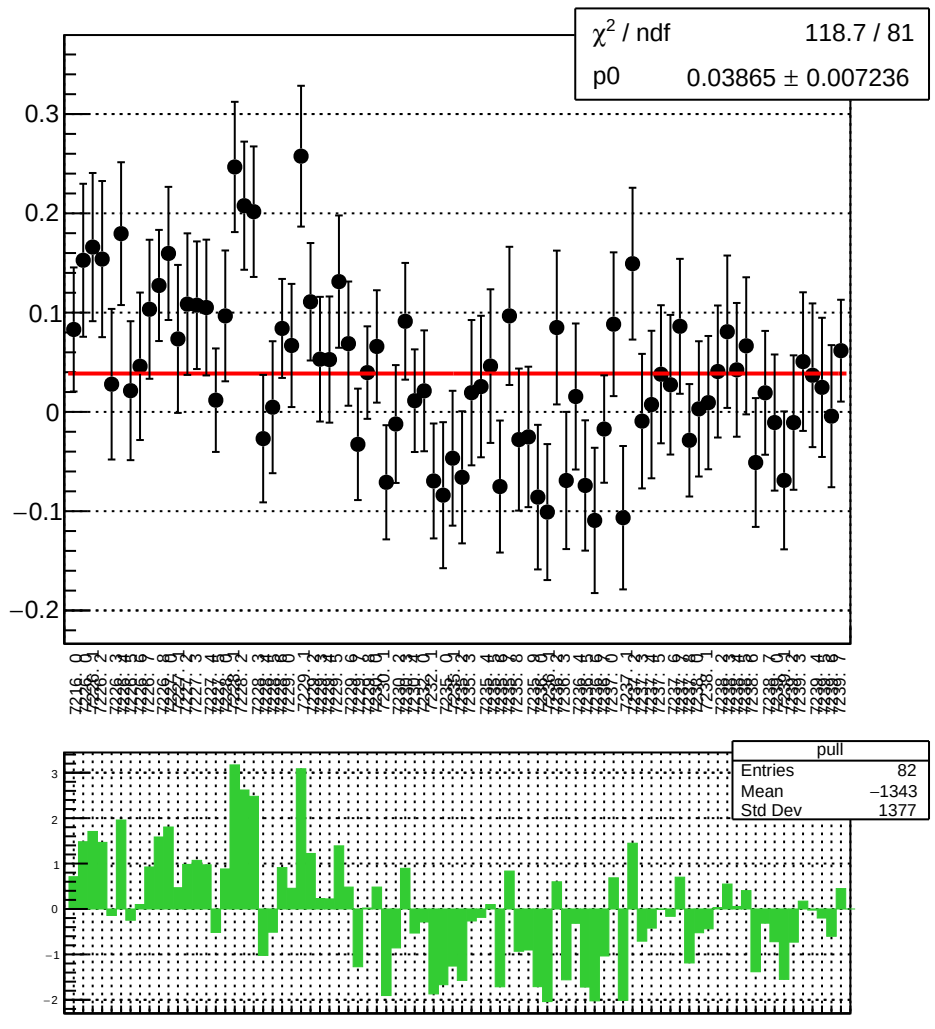

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 110.9 / 81
p0 2.038 ± 0.1548
pull
Entries 82
Mean −707.3
Std Dev 745.3

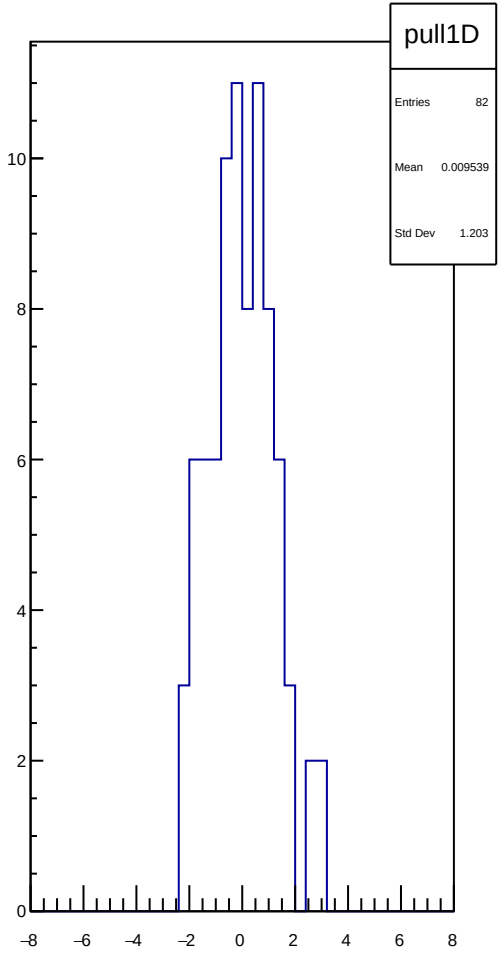

pull1D
Entries 82
Mean −0.01729
Std Dev 1.163

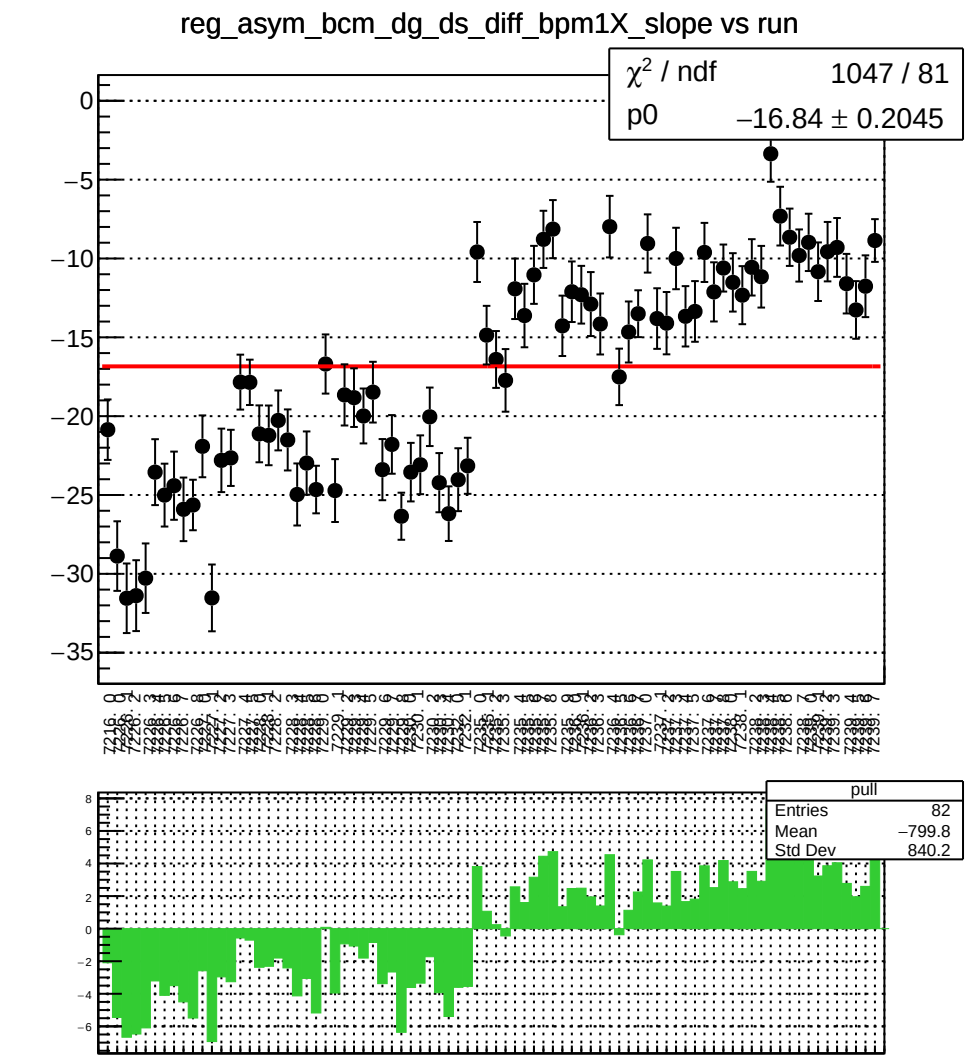

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 968.4 / 81
p0 16.57 ± 0.2042
pull
Entries 82
Mean −1856
Std Dev 1897

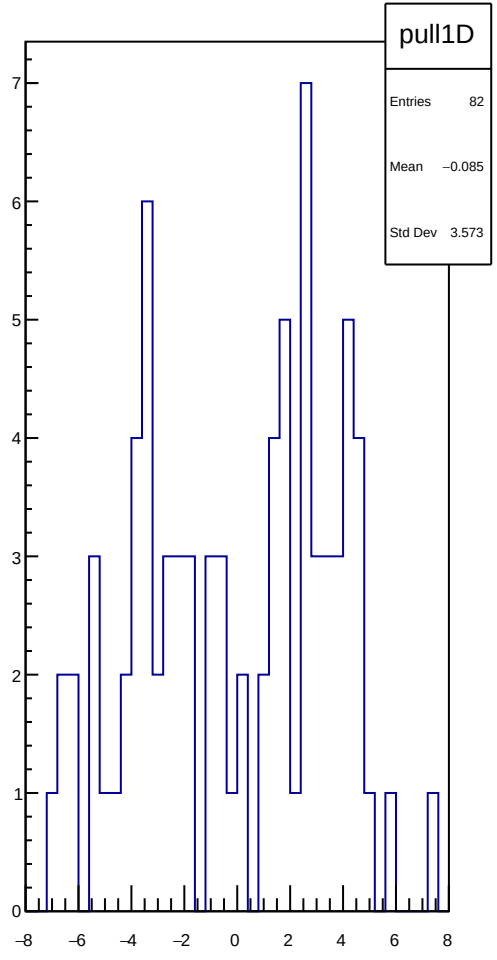

pull1D
Entries 82
Mean 0.03633
Std Dev 3.436

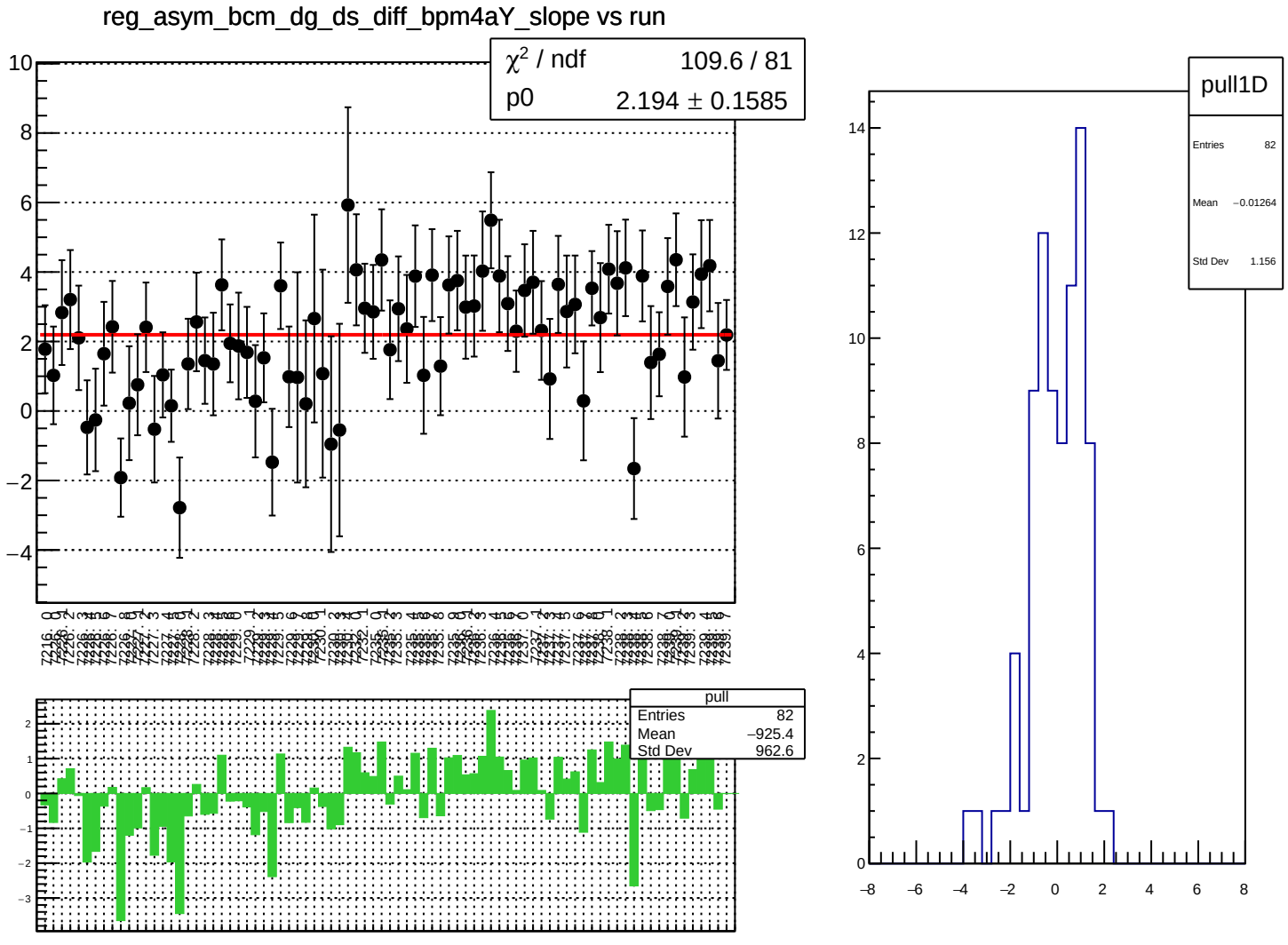

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 108 / 81
p0 −2.635 ± 0.1698
pull
Entries 82
Mean −1152
Std Dev 1189
pull1D
Entries 82
Mean 0.009185
Std Dev 1.148

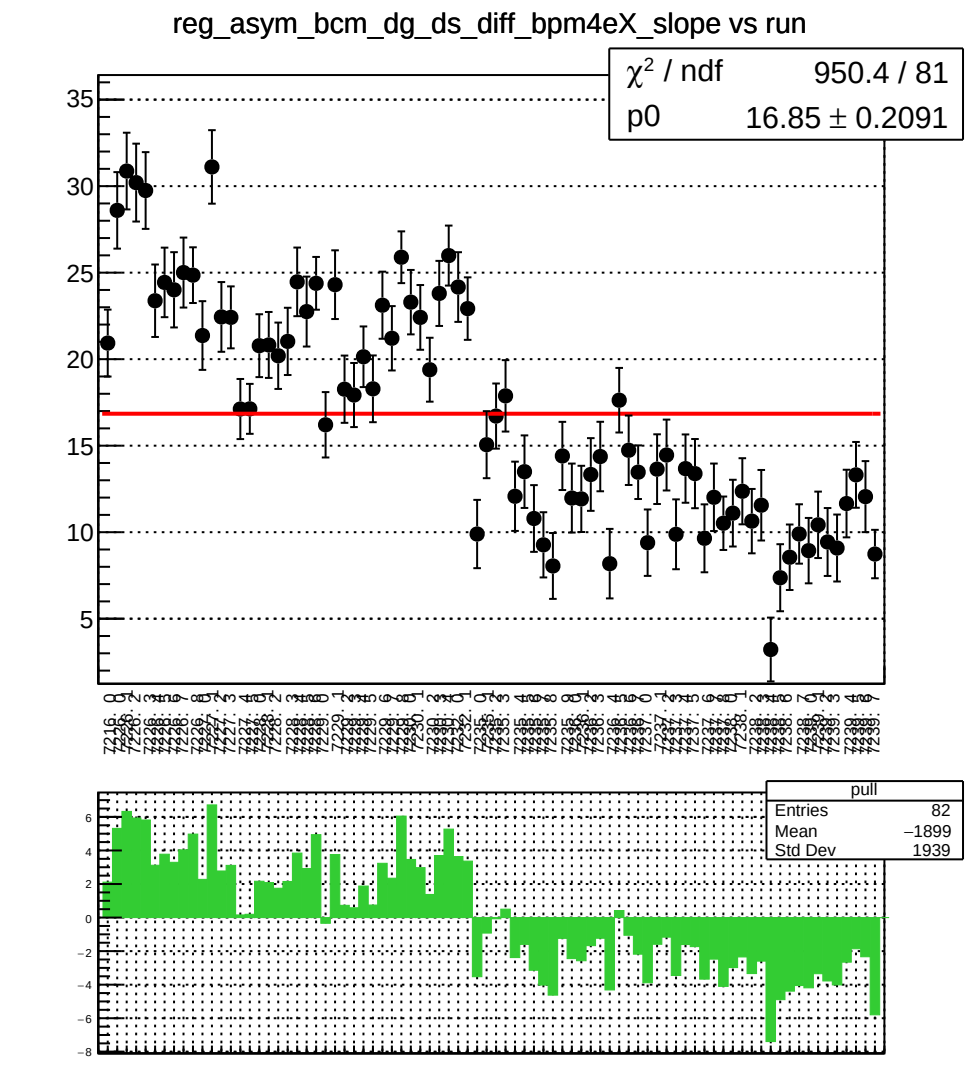

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 118.7 / 81
p0 0.03865 ± 0.007236
pull
Entries 82
Mean −1343
Std Dev 1377

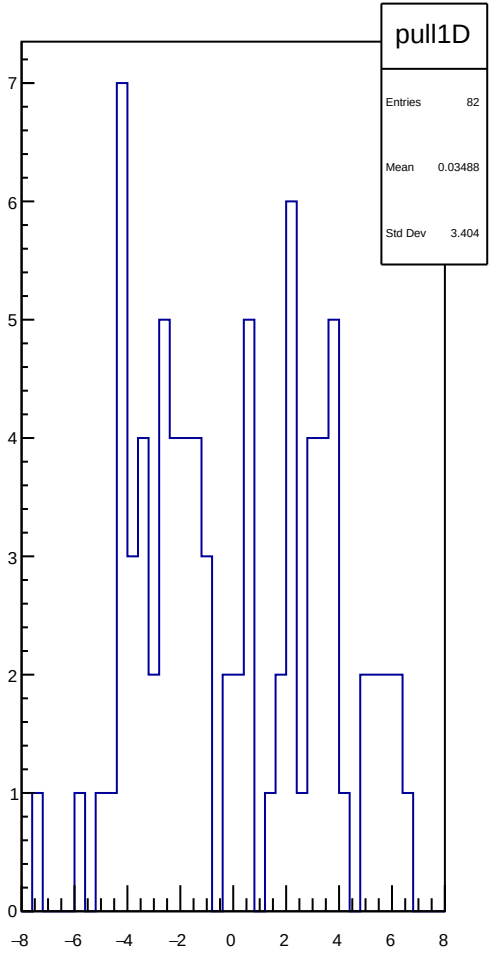

pull1D
Entries 82
Mean 0.009539
Std Dev 1.203

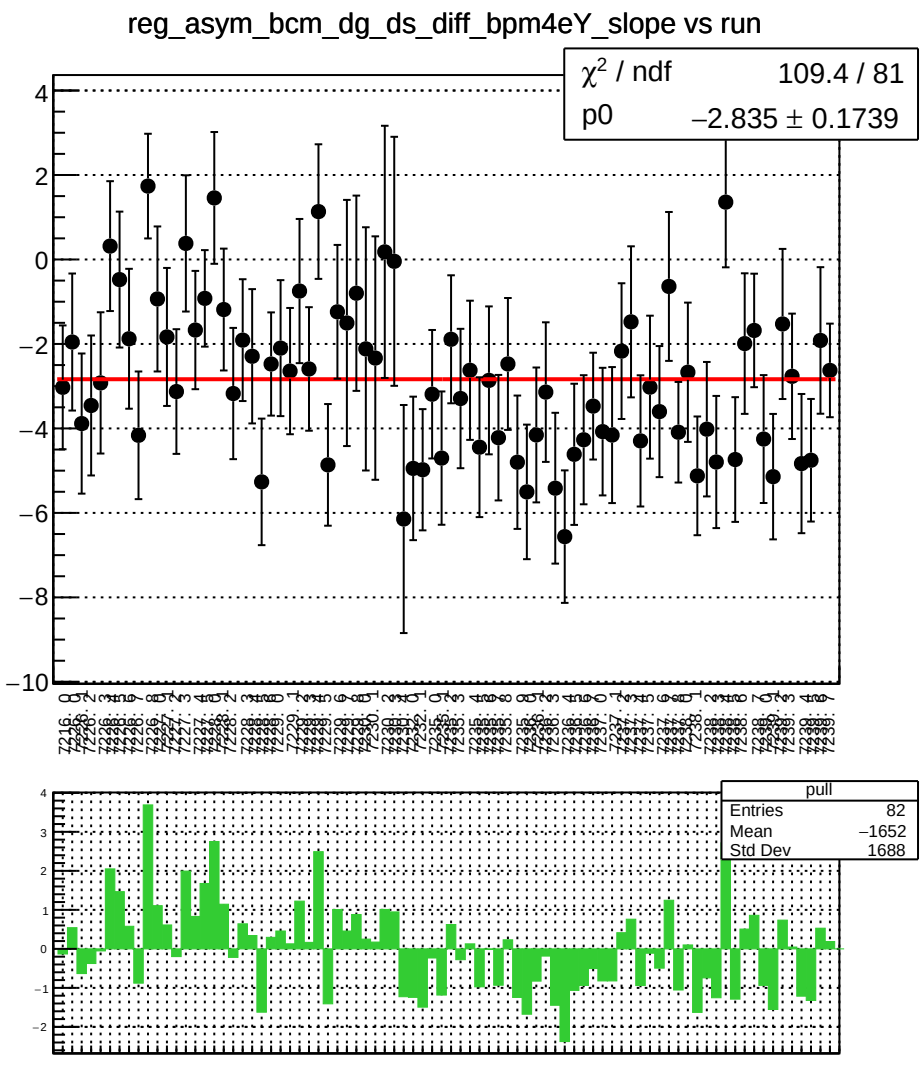

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1047 / 81
p0 −16.84 ± 0.2045
pull
Entries 82
Mean −799.8
Std Dev 840.2

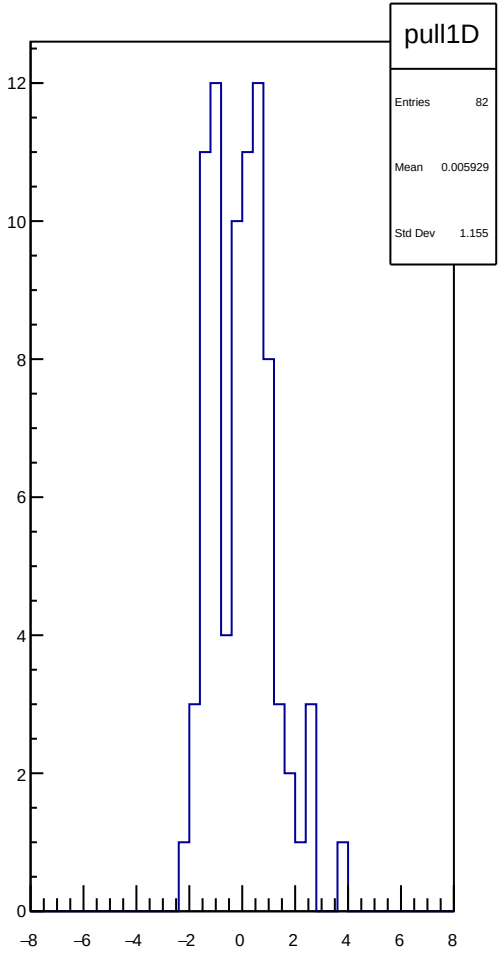

pull1D
Entries 82
Mean −0.085
Std Dev 3.573

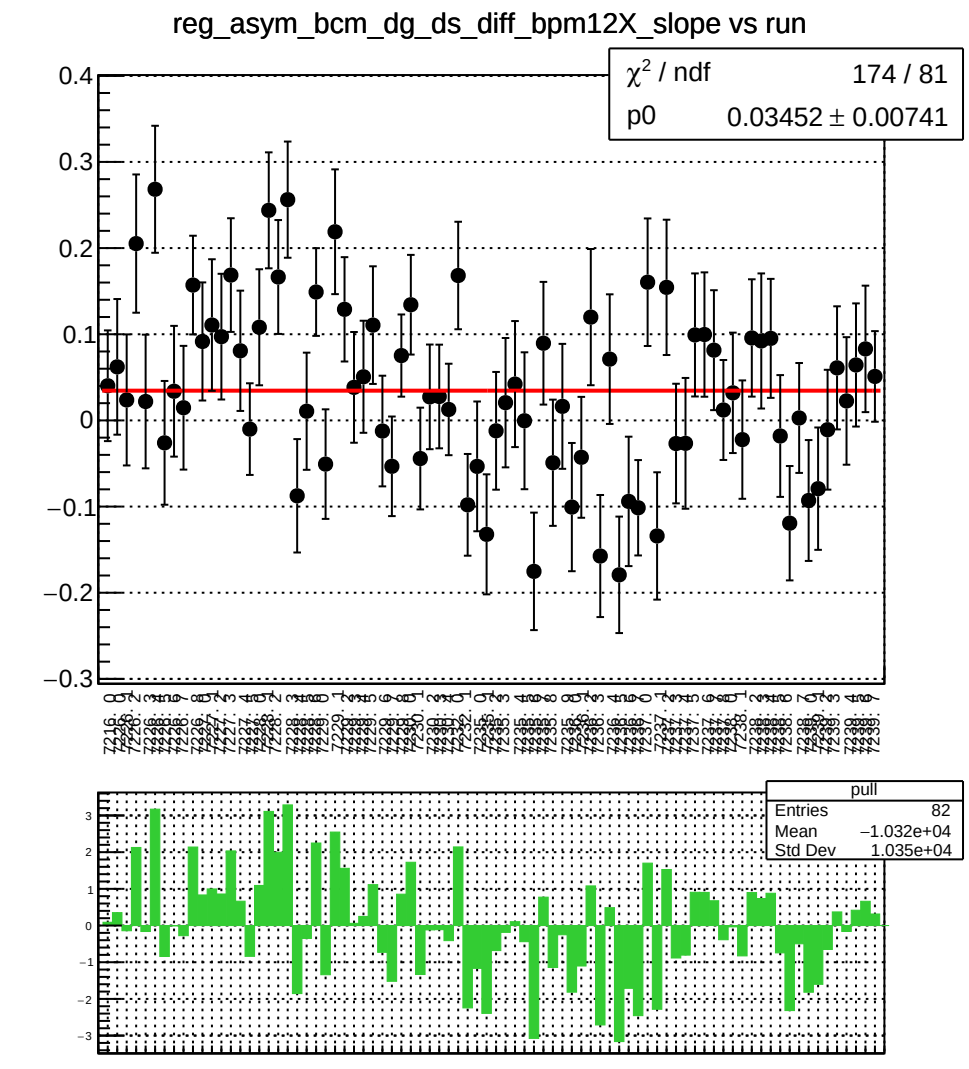

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 109.6 / 81
p0 2.194 ± 0.1585
pull
Entries 82
Mean −925.4
Std Dev 962.6
pull1D
Entries 82
Mean −0.01264
Std Dev 1.156

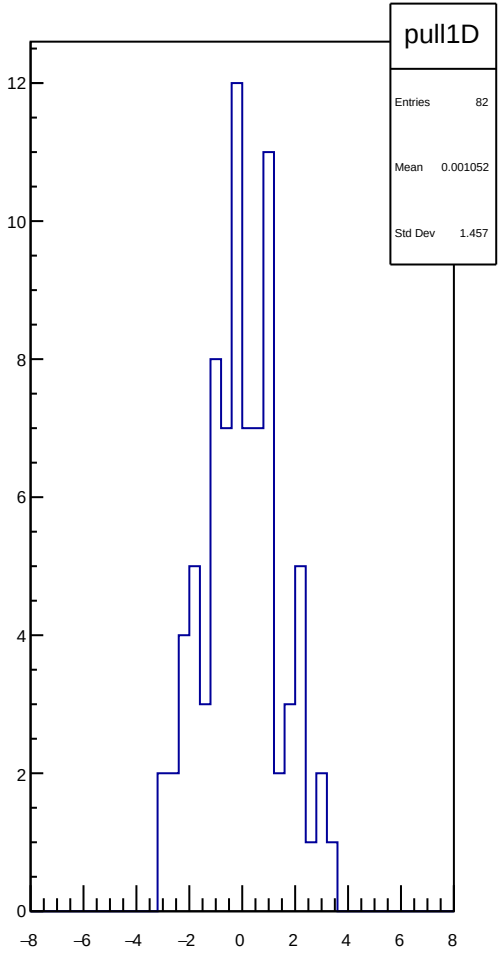

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 950.4 / 81
p0 16.85 ± 0.2091
pull
Entries 82
Mean −1899
Std Dev 1939

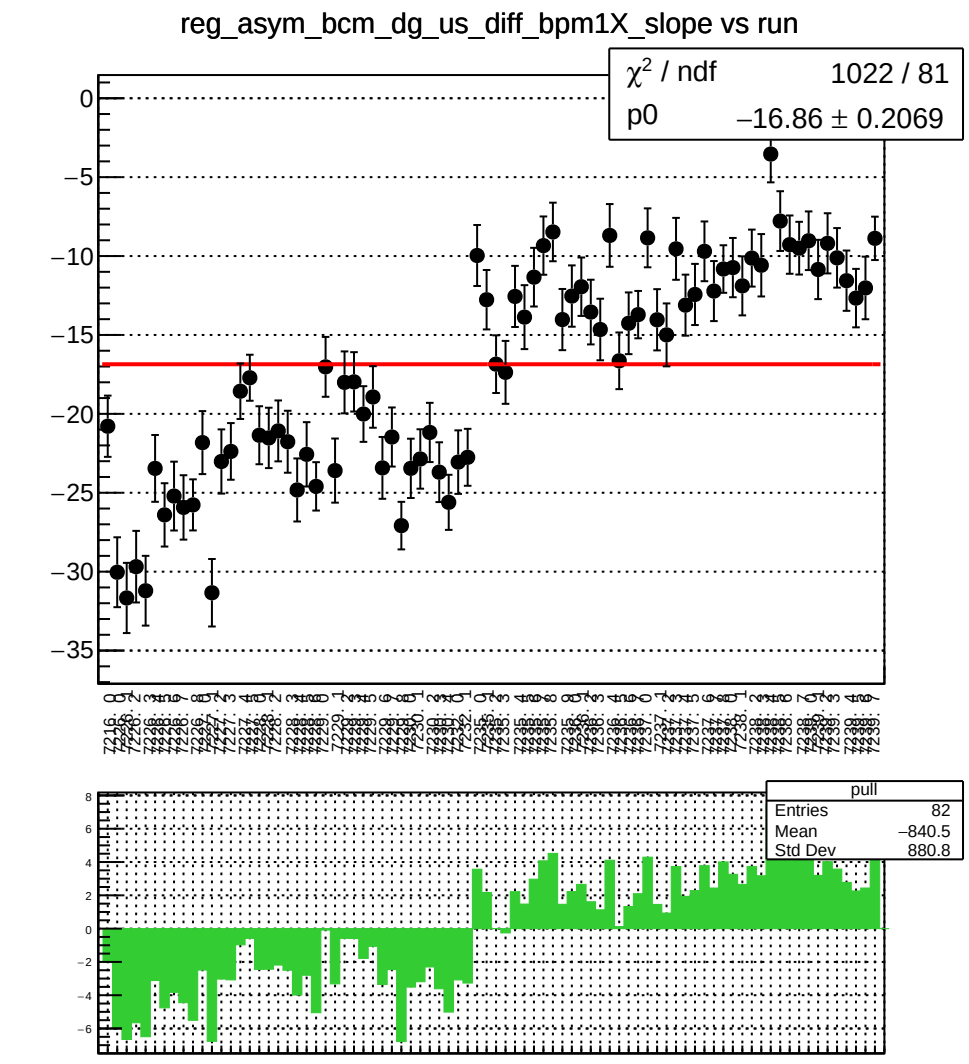

pull1D
Entries 82
Mean 0.03488
Std Dev 3.404

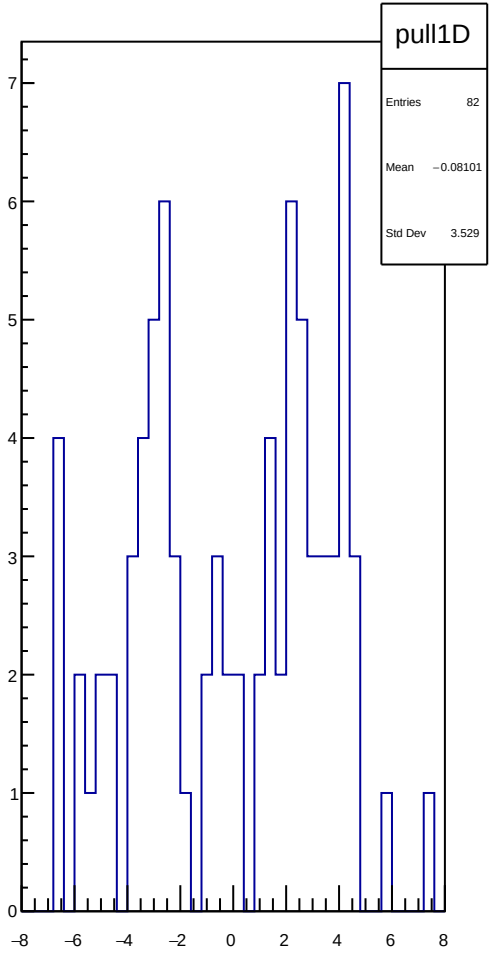

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 109.4 / 81
p0 −2.835 ± 0.1739
pull
Entries 82
Mean −1652
Std Dev 1688

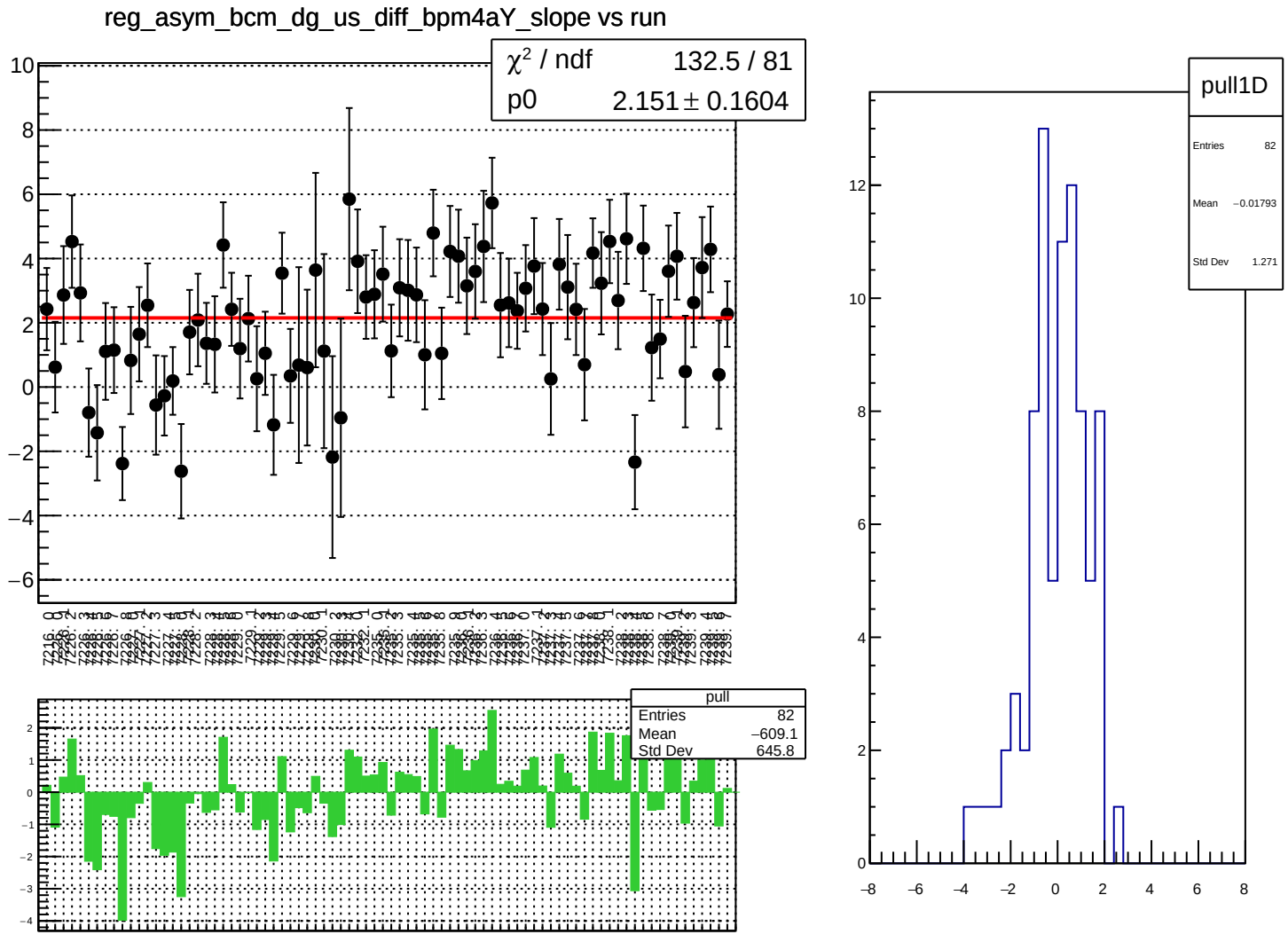

pull1D
Entries 82
Mean 0.005929
Std Dev 1.155

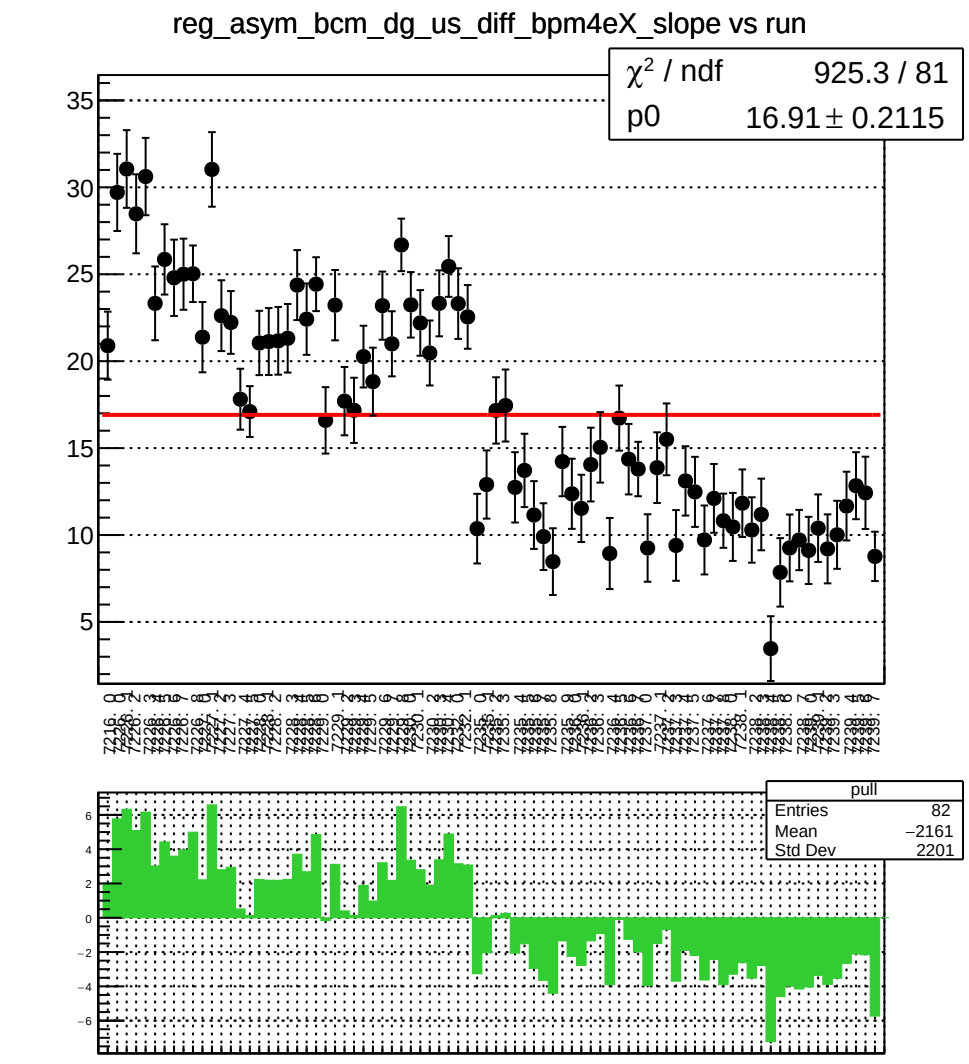

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 174 / 81
p0 0.03452 ± 0.00741
pull
Entries 82
Mean −1.032e+04
Std Dev 1.035e+04

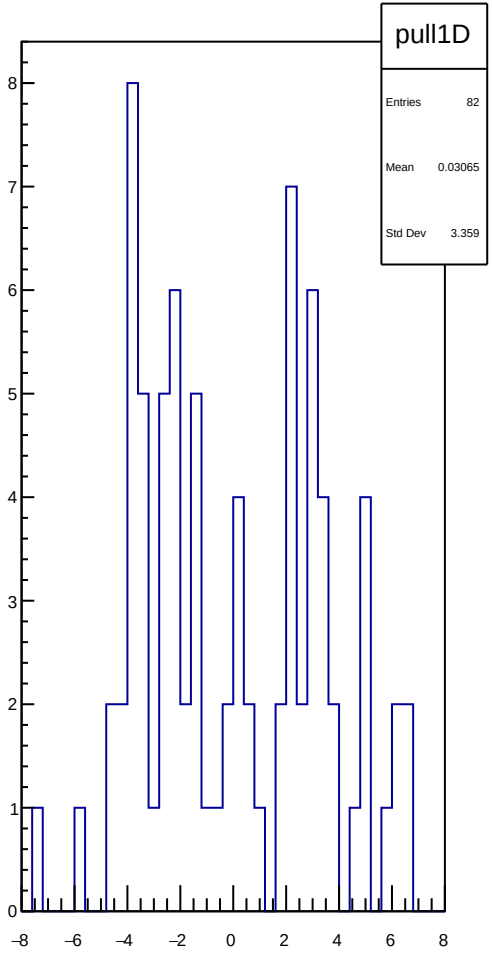

pull1D
Entries 82
Mean 0.001052
Std Dev 1.457

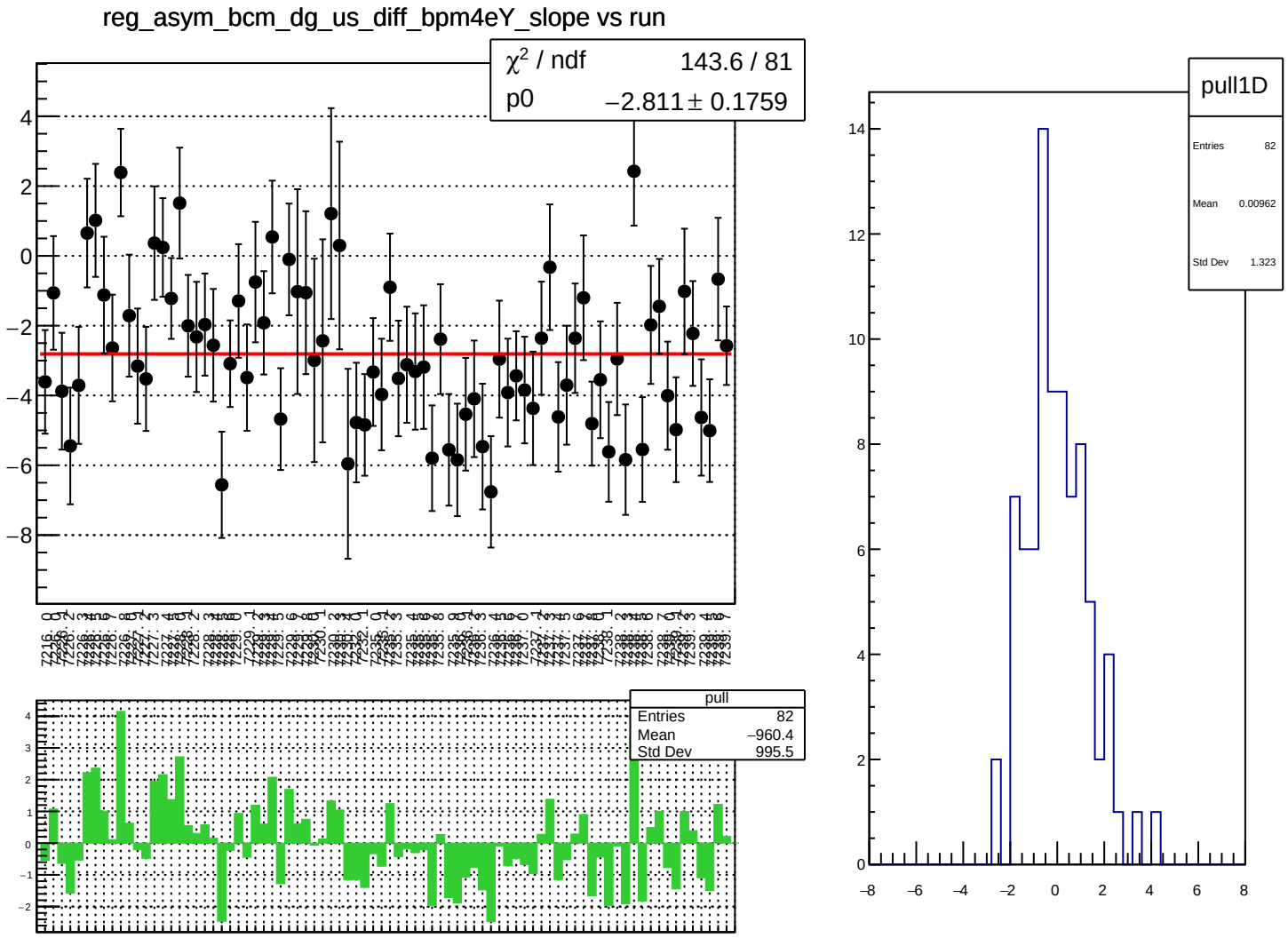

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1022 / 81
p0 −16.86 ± 0.2069
pull
Entries 82
Mean −840.5
Std Dev 880.8

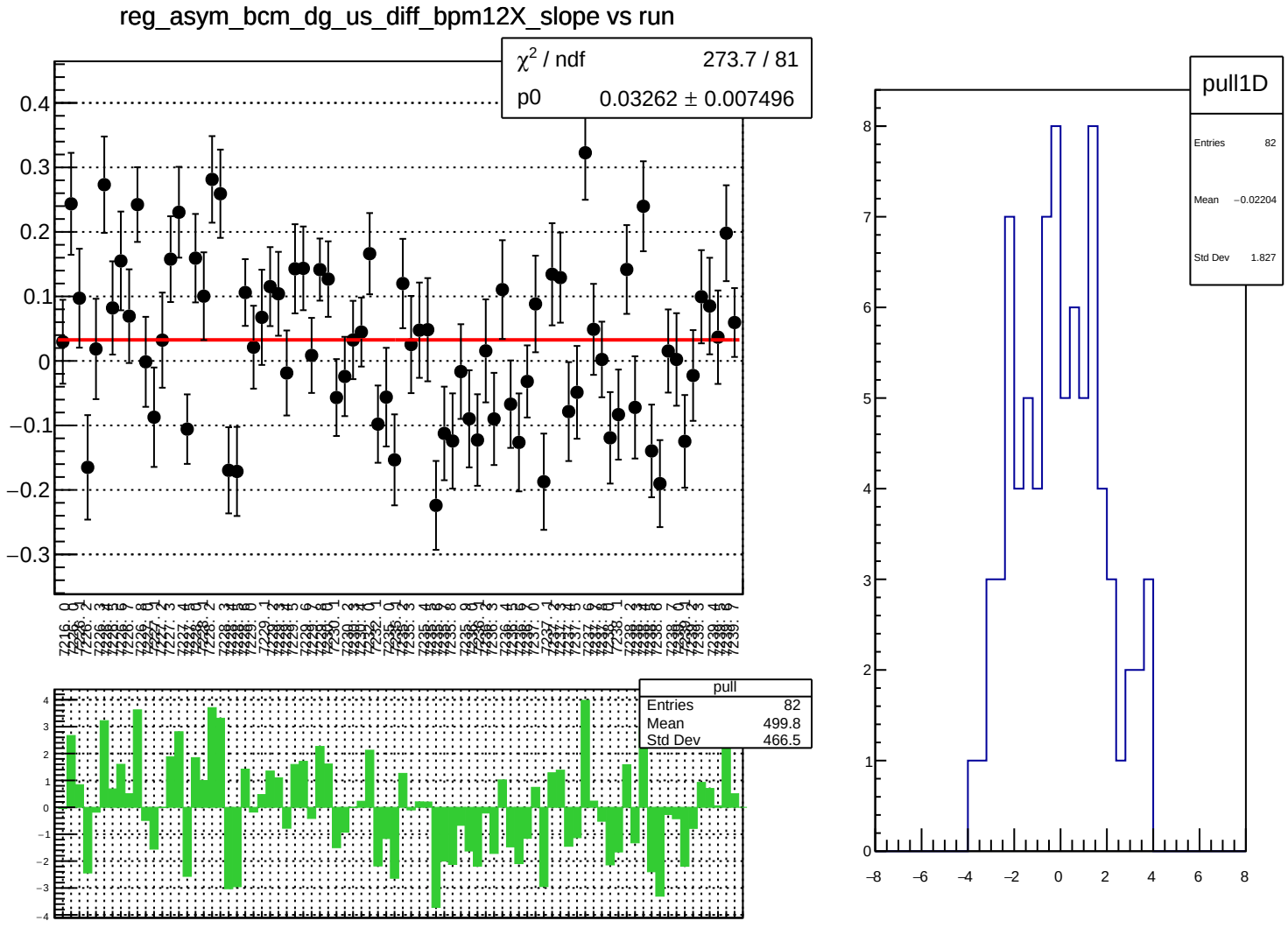

pull1D
Entries 82
Mean −0.08101
Std Dev 3.529


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 132.5 / 81
p0 2.151 ± 0.1604
pull
Entries 82
Mean −609.1
Std Dev 645.8
pull1D
Entries 82
Mean −0.01793
Std Dev 1.271


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 925.3 / 81
p0 16.91 ± 0.2115
pull
Entries 82
Mean −2161
Std Dev 2201


pull1D
Entries 82
Mean 0.03065
Std Dev 3.359


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 143.6 / 81
p0 −2.811 ± 0.1759
pull
Entries 82
Mean −960.4
Std Dev 995.5
pull1D
Entries 82
Mean 0.00962
Std Dev 1.323


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 273.7 / 81
p0 0.03262 ± 0.007496
pull
Entries 82
Mean 499.8
Std Dev 466.5
pull1D
Entries 82
Mean −0.02204
Std Dev 1.827