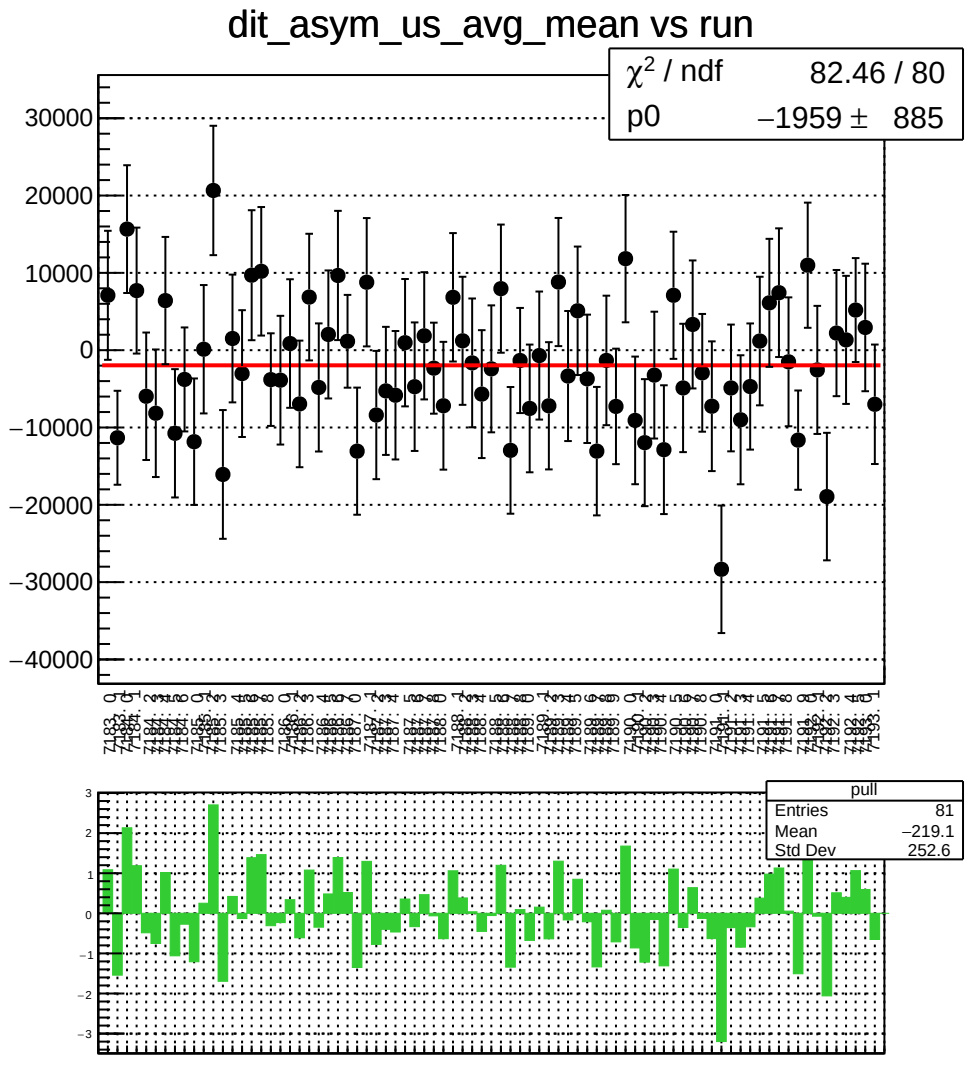
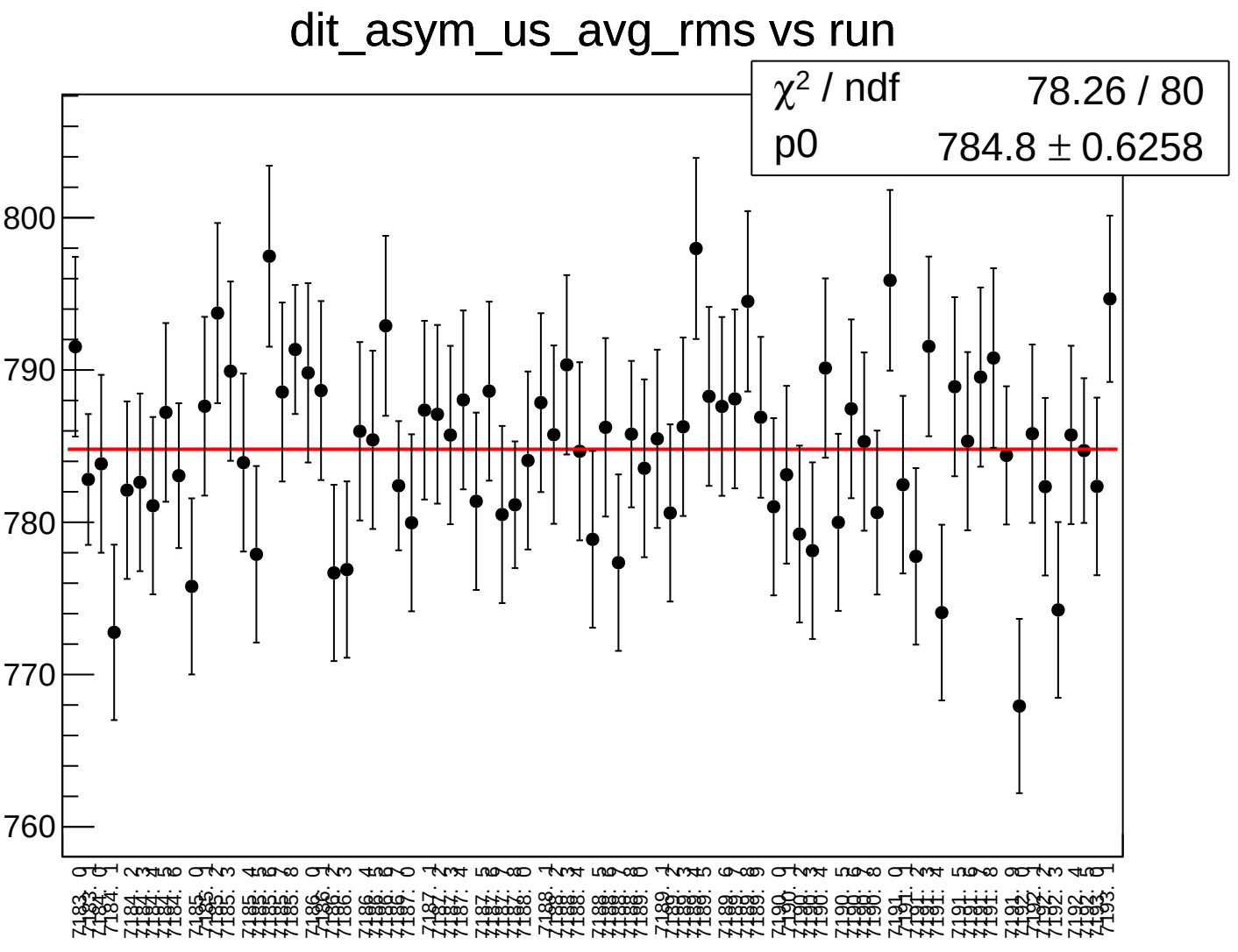
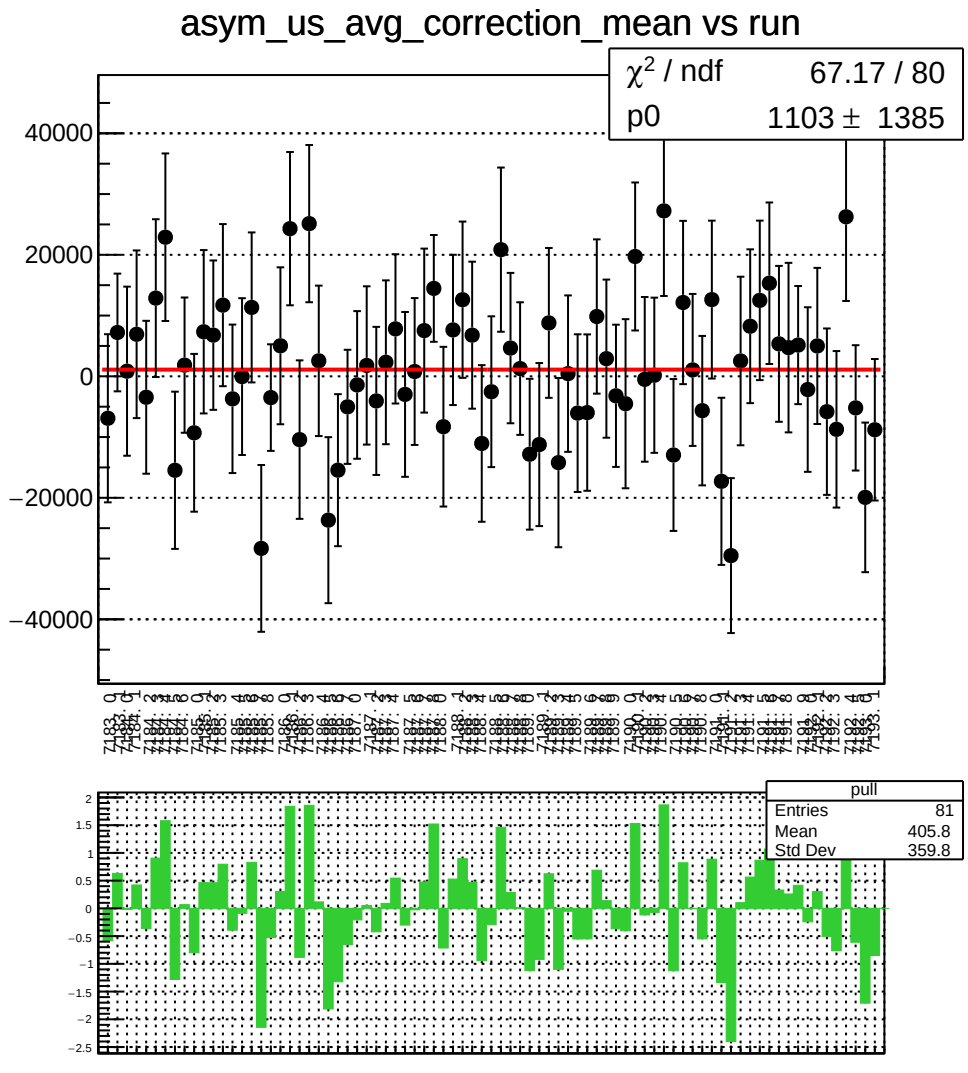
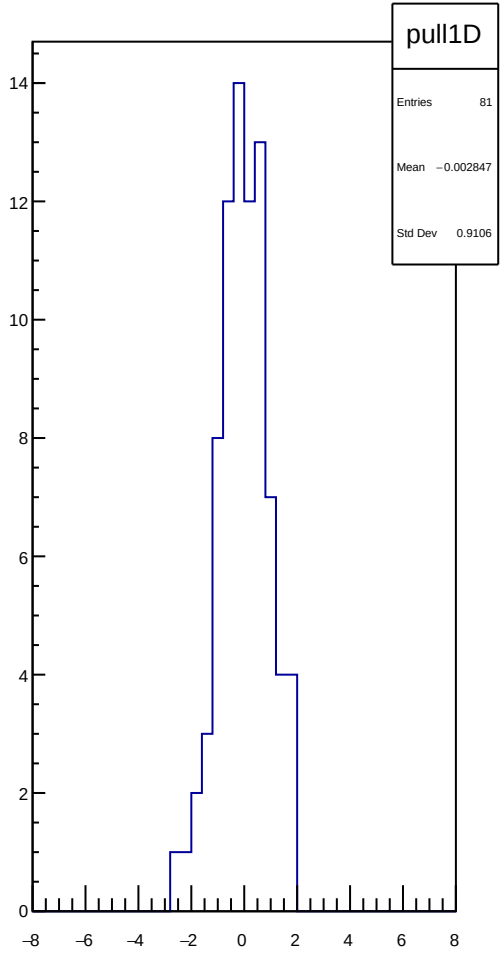
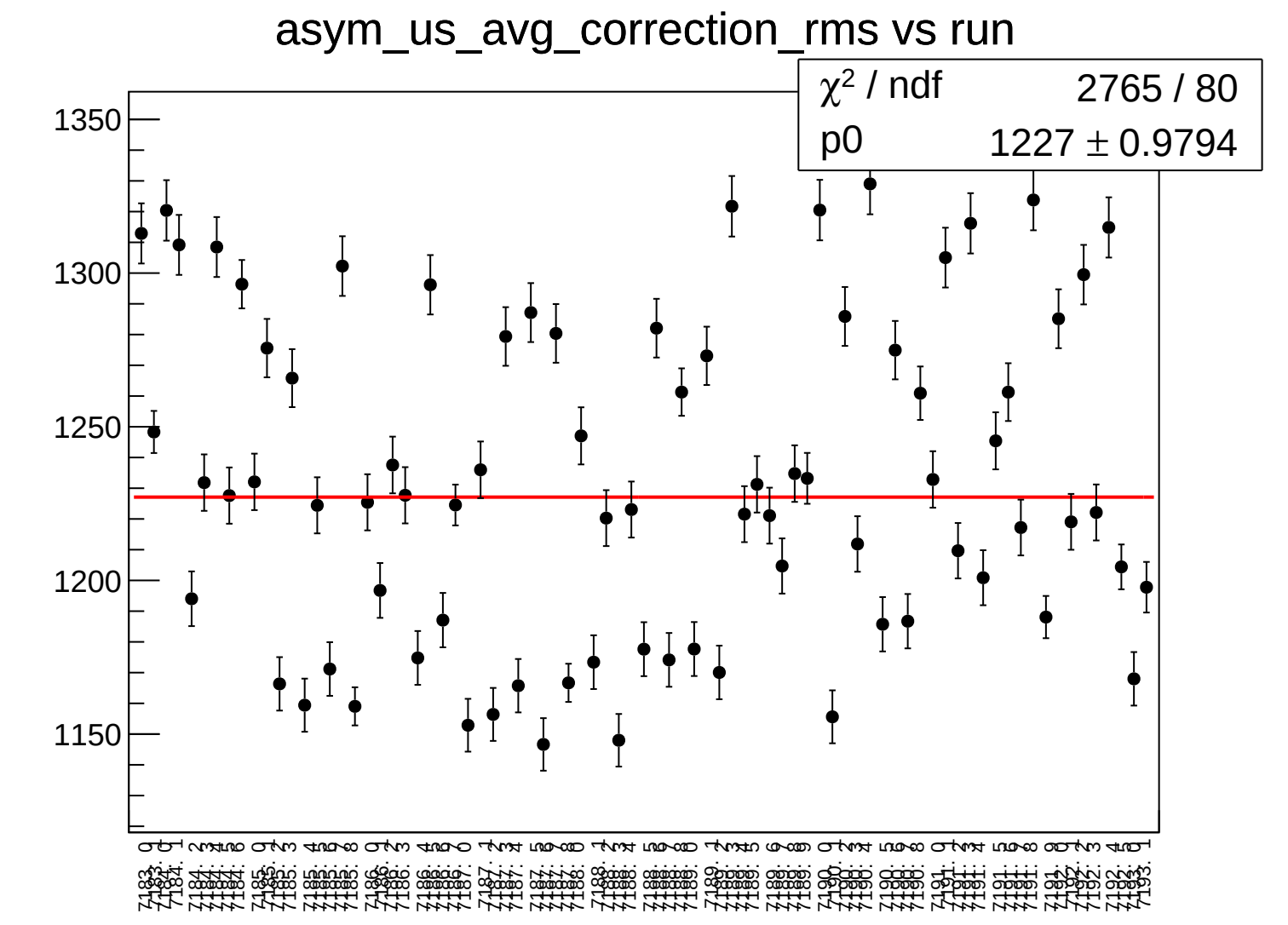
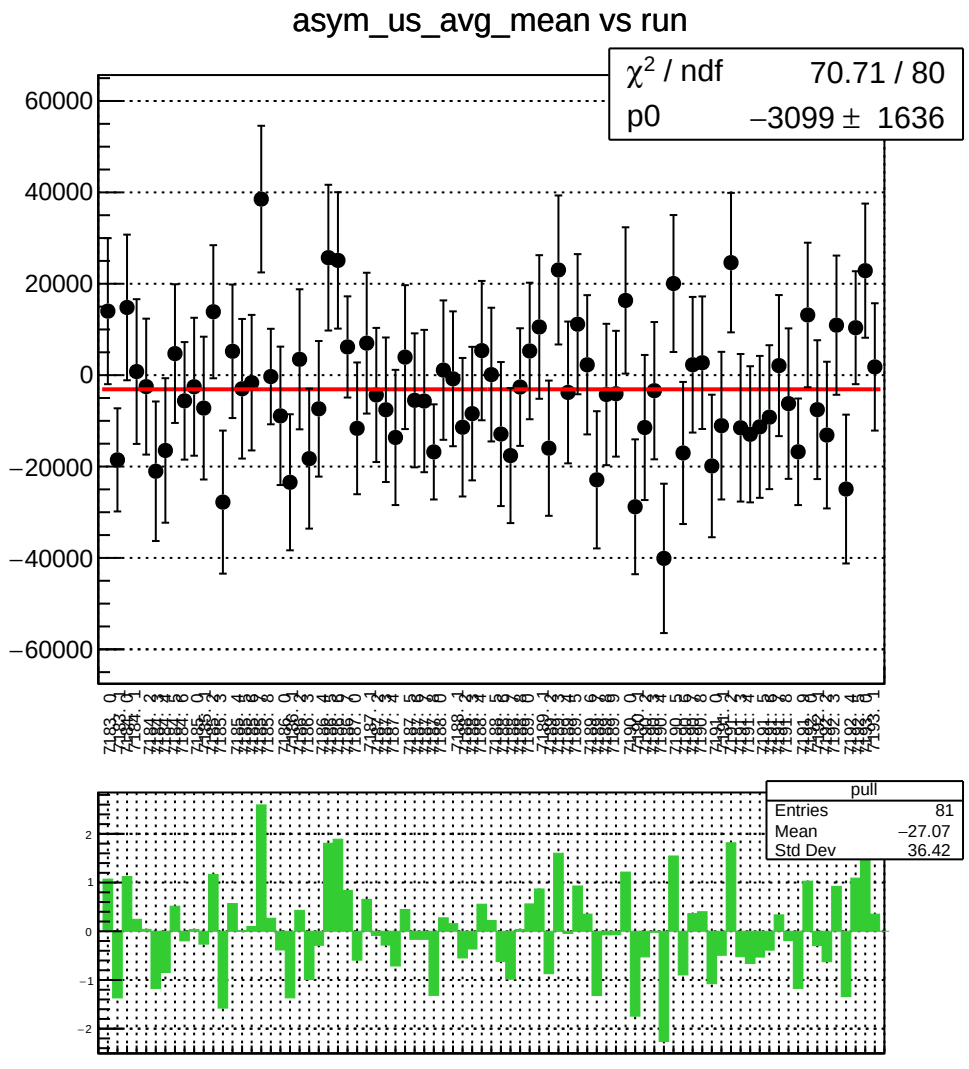

dit_asym_us_avg_mean vs run
χ² / ndf 82.46 / 80
p0 −1959 ± 885
pull
Entries 81
Mean −219.1
Std Dev 252.6
pull1D
Entries 81
Mean 0.0113
Std Dev 1.009

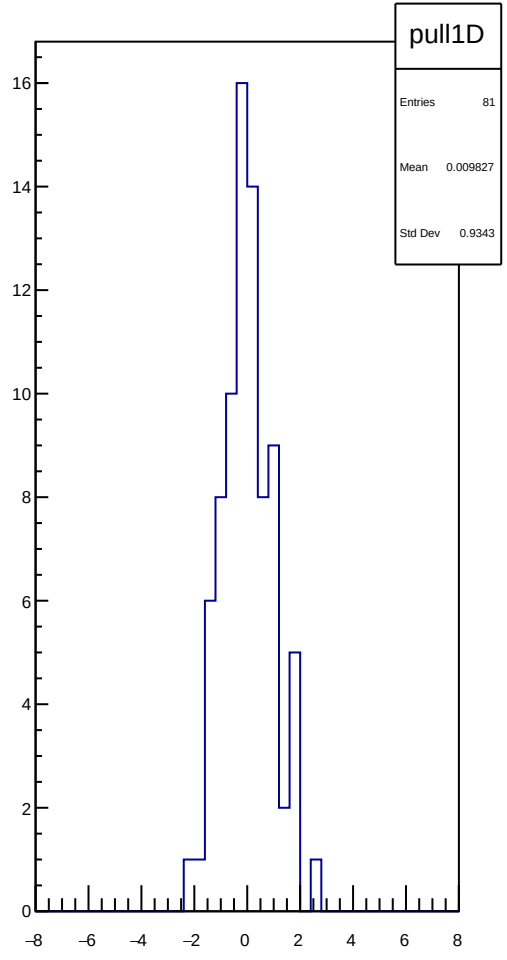

dit_asym_us_avg_rms vs run
χ² / ndf 78.26 / 80
p0 784.8 ± 0.6258
800
790
780
770
760

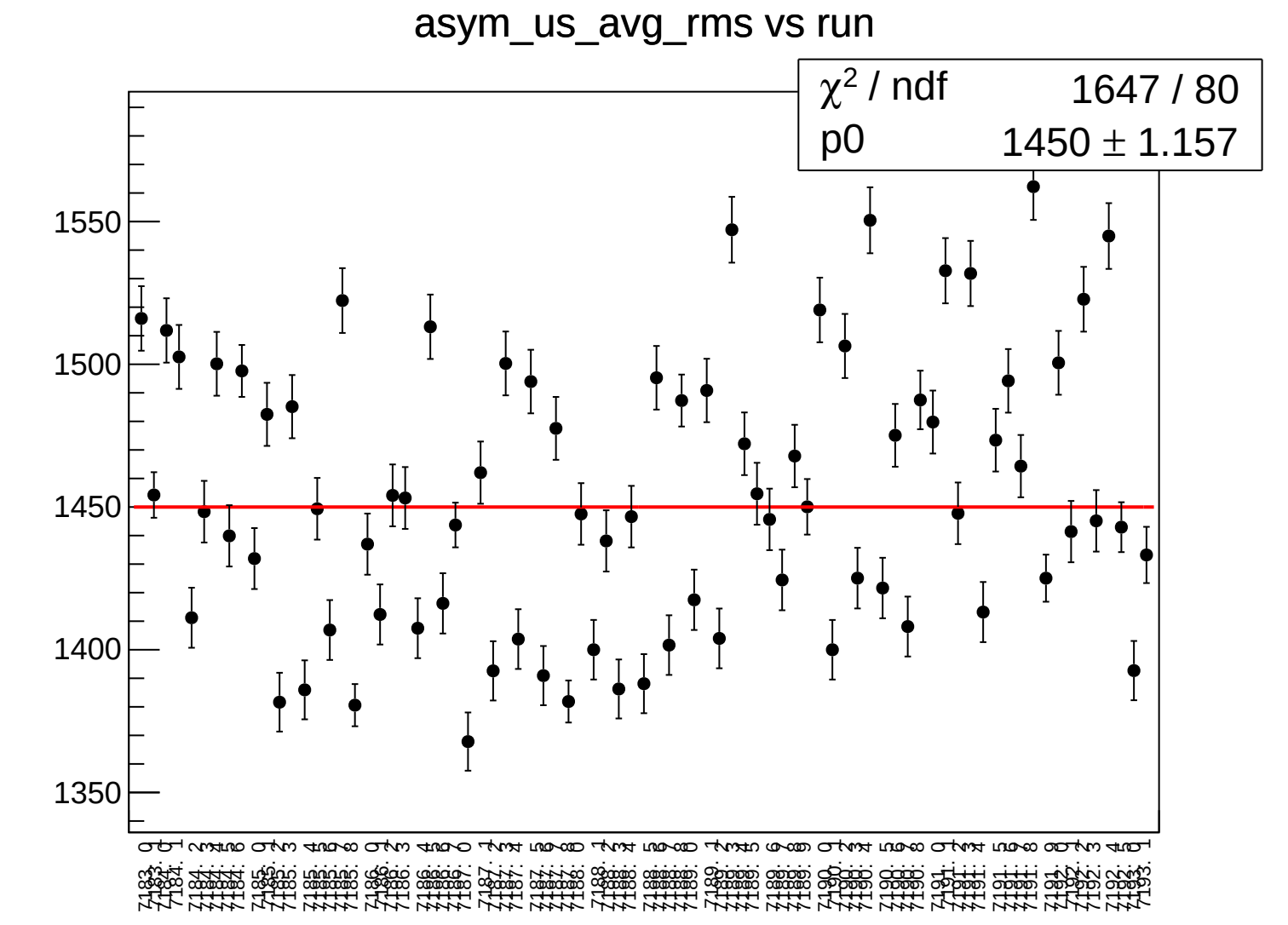

asym_us_avg_correction_mean vs run
χ² / ndf 67.17 / 80
p0 1103 ± 1385
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 405.8
Std Dev 359.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

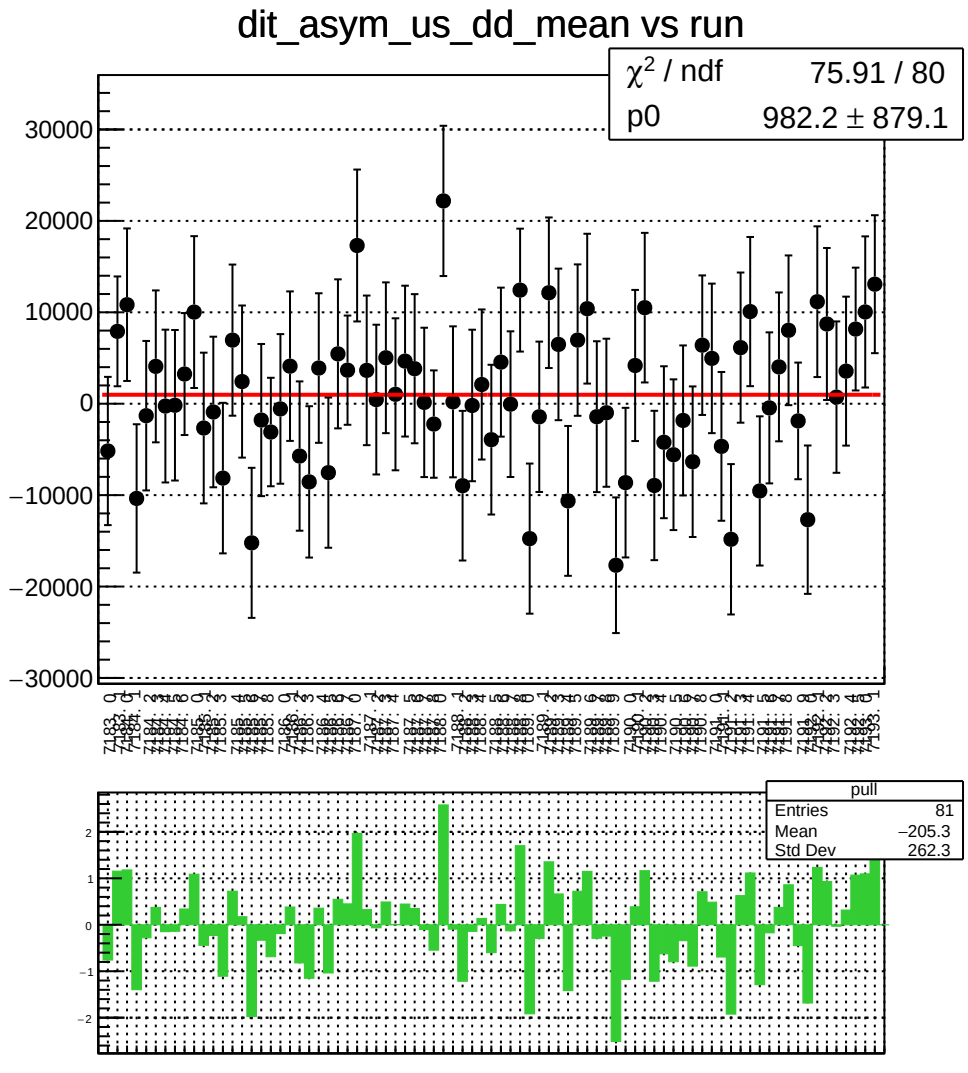

pull1D
Entries 81
Mean −0.002847
Std Dev 0.9106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

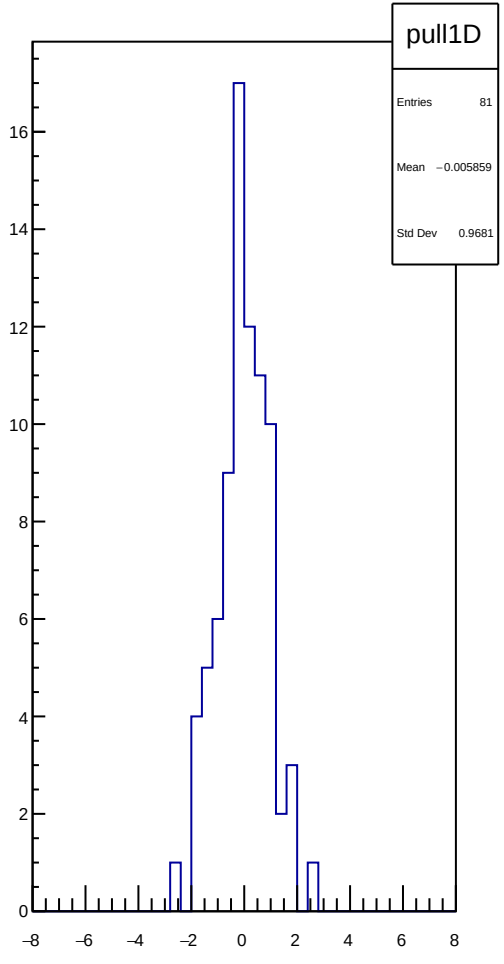

asym_us_avg_correction_rms vs run
χ² / ndf 2765 / 80
p0 1227 ± 0.9794
1350
1300
1250
1200
1150

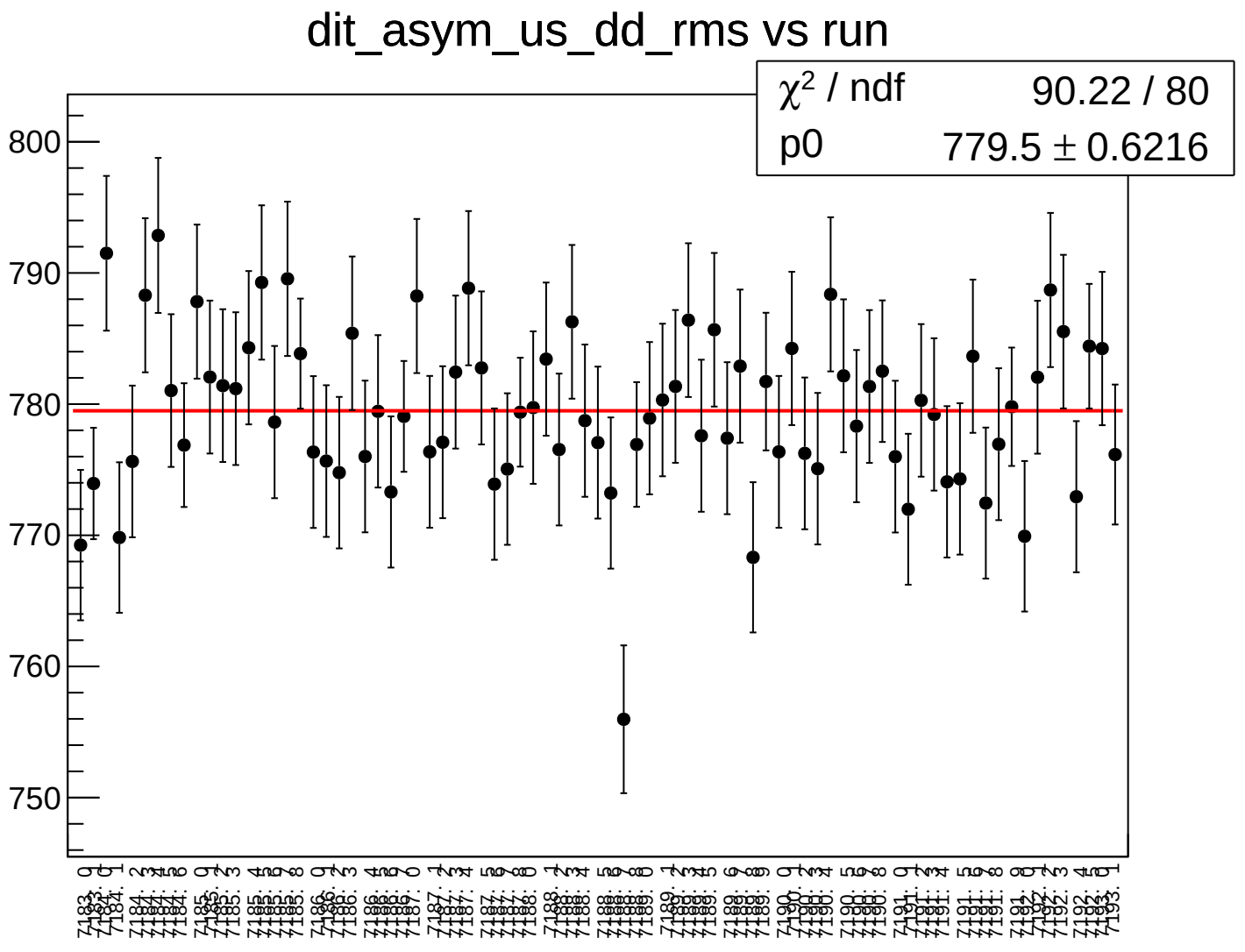

asym_us_avg_mean vs run
χ² / ndf 70.71 / 80
p0 −3099 ± 1636
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −27.07
Std Dev 36.42
2
1
0
−1
−2

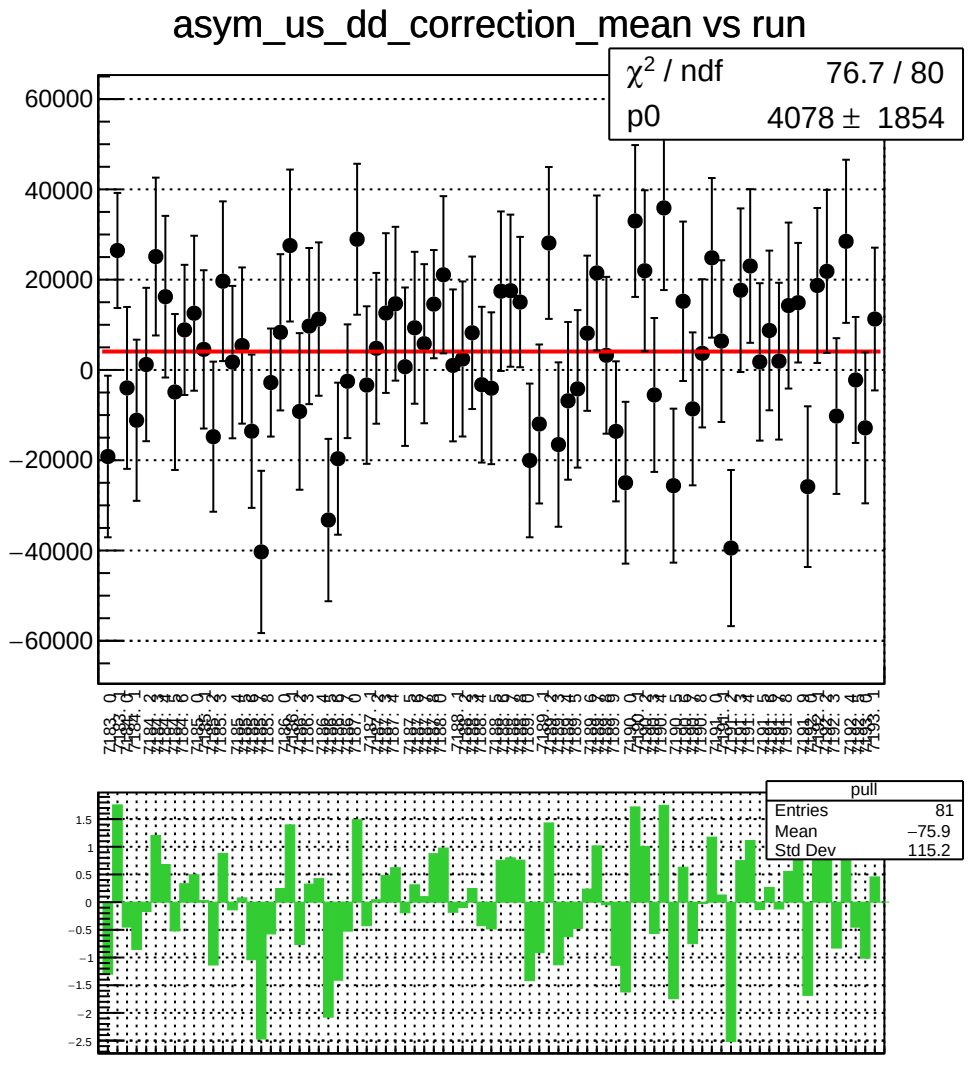

pull1D
Entries 81
Mean 0.009827
Std Dev 0.9343
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

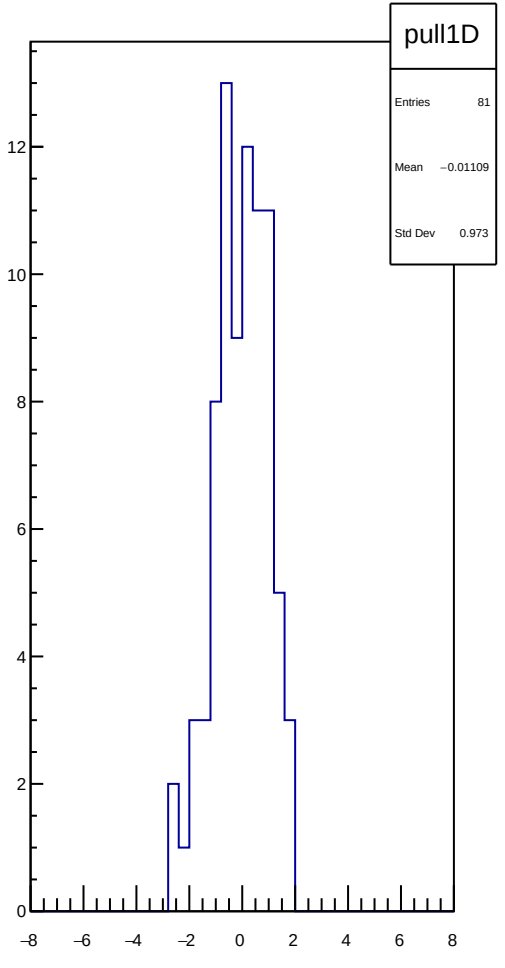

asym_us_avg_rms vs run
$\chi^2$ / ndf 1647 / 80
p0 1450 ± 1.157
1550
1500
1450
1400
1350

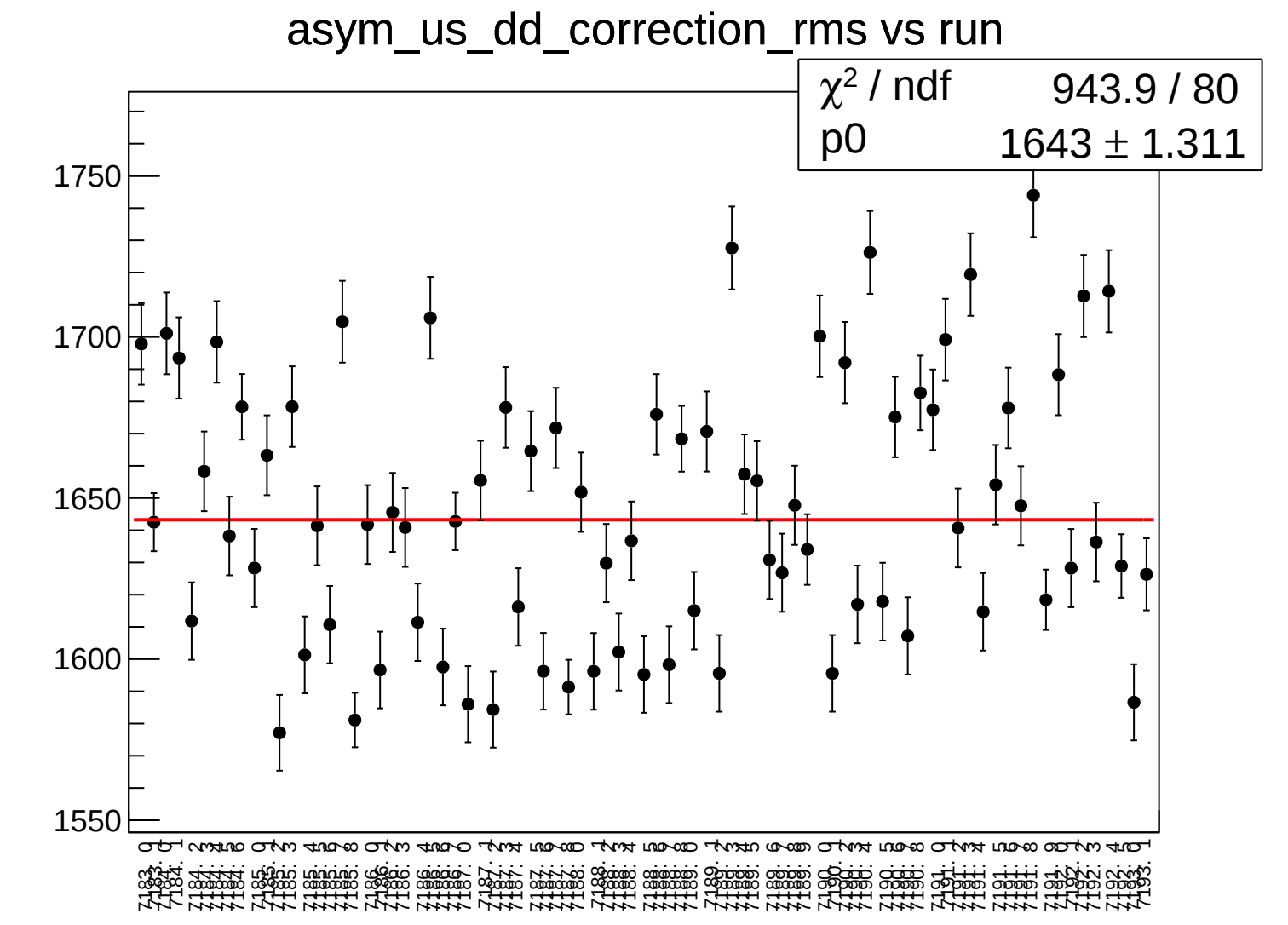

dit_asym_us_dd_mean vs run
χ² / ndf 75.91 / 80
p0 982.2 ± 879.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −205.3
Std Dev 262.3
2
1
0
−1
−2

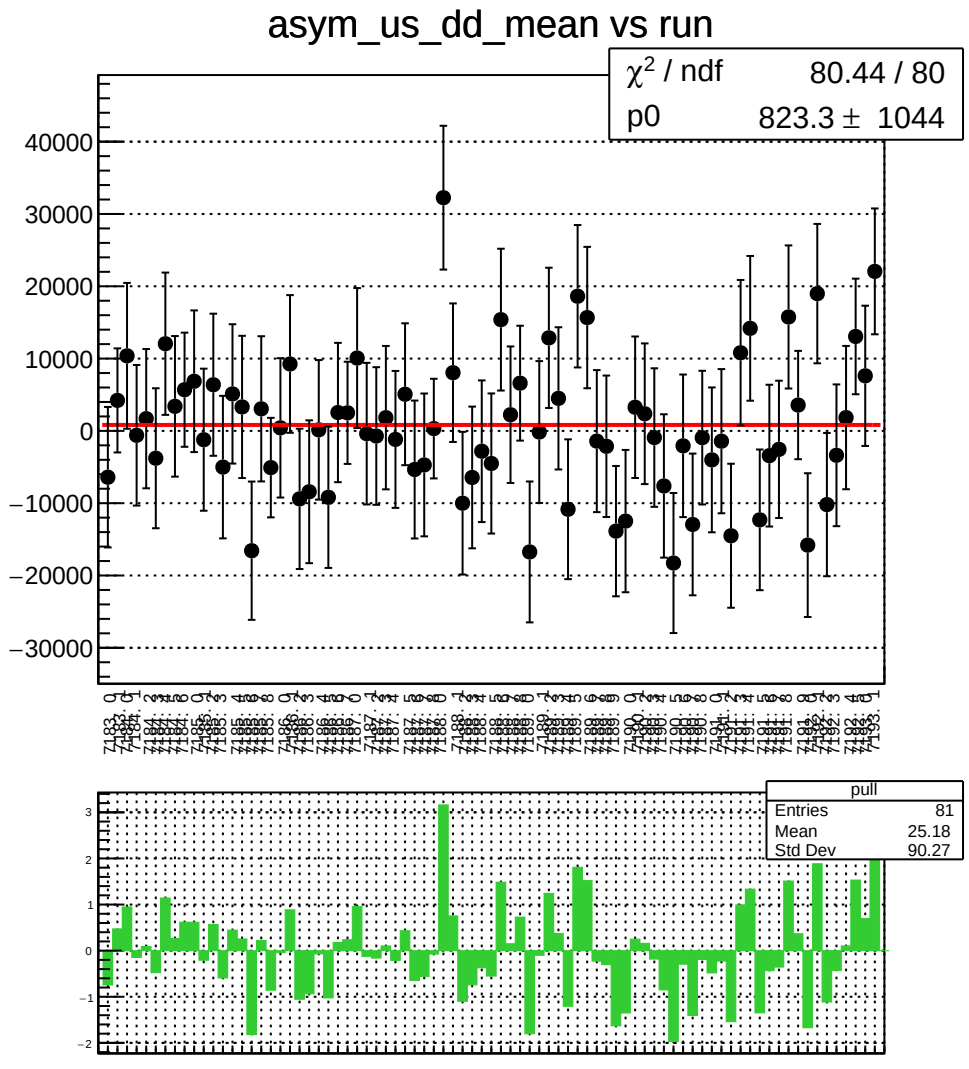

pull1D
Entries 81
Mean −0.005859
Std Dev 0.9681
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

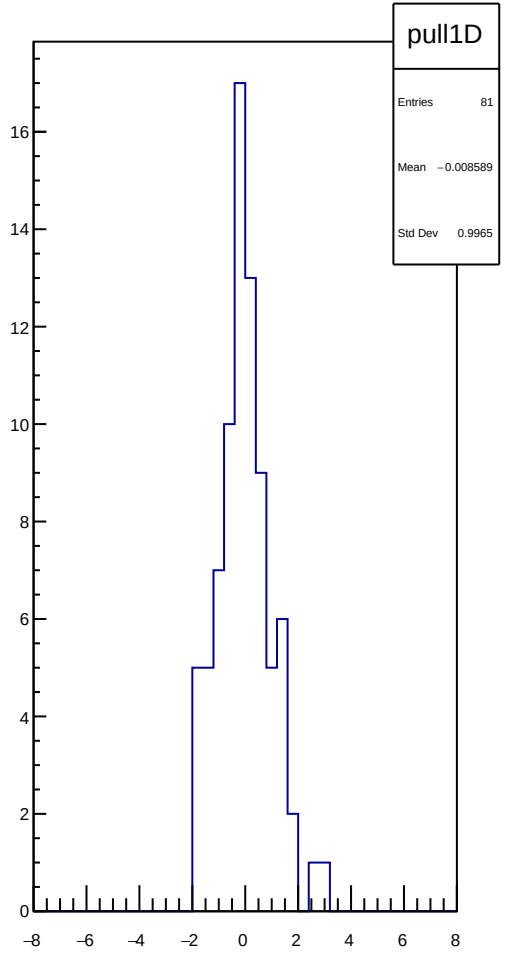

dit_asym_us_dd_rms vs run
$\chi^2$ / ndf 90.22 / 80
p0 779.5 ± 0.6216
800
790
780
770
760
750

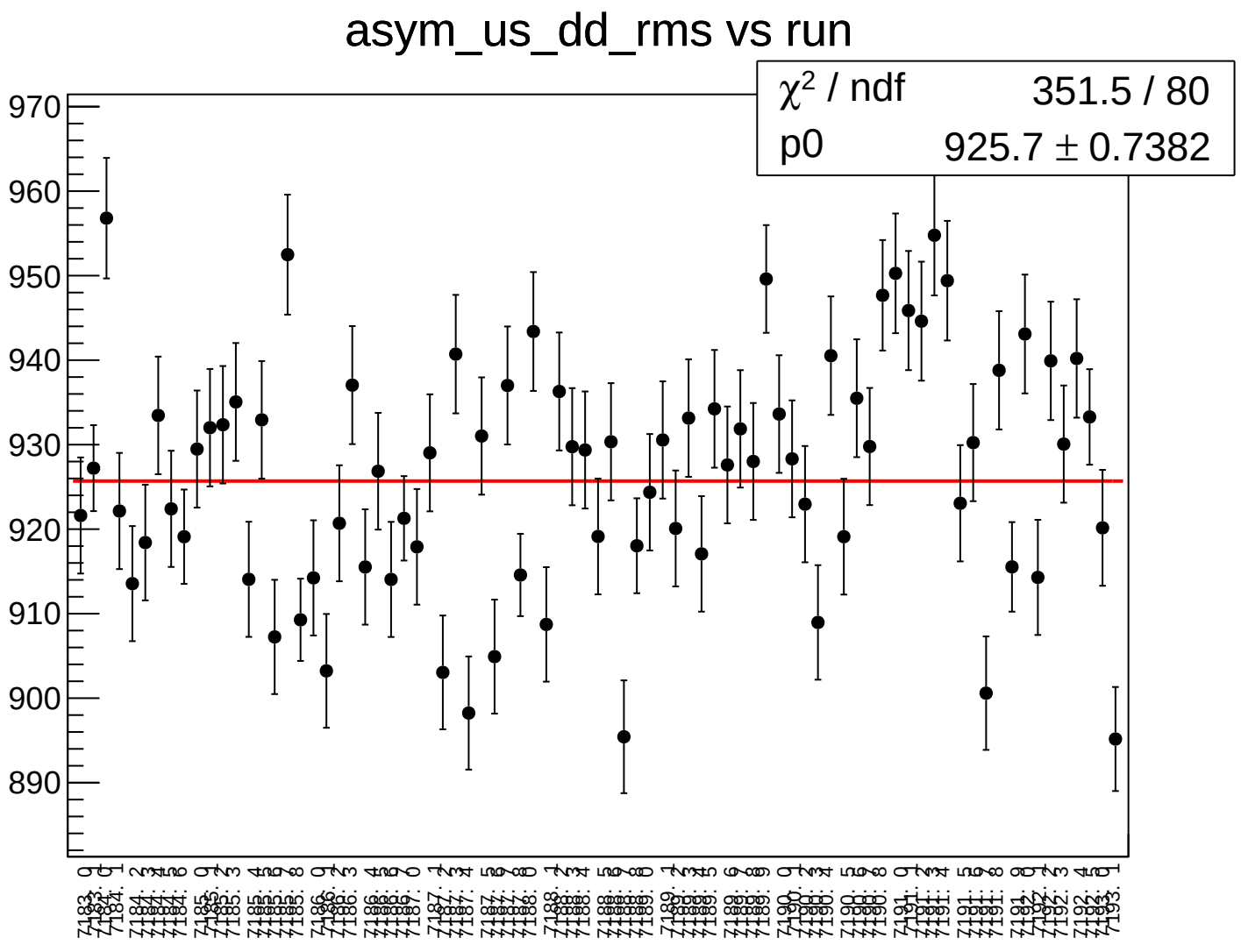

asym_us_dd_correction_mean vs run
χ² / ndf 76.7 / 80
p0 4078 ± 1854
pull
Entries 81
Mean −75.9
Std Dev 115.2

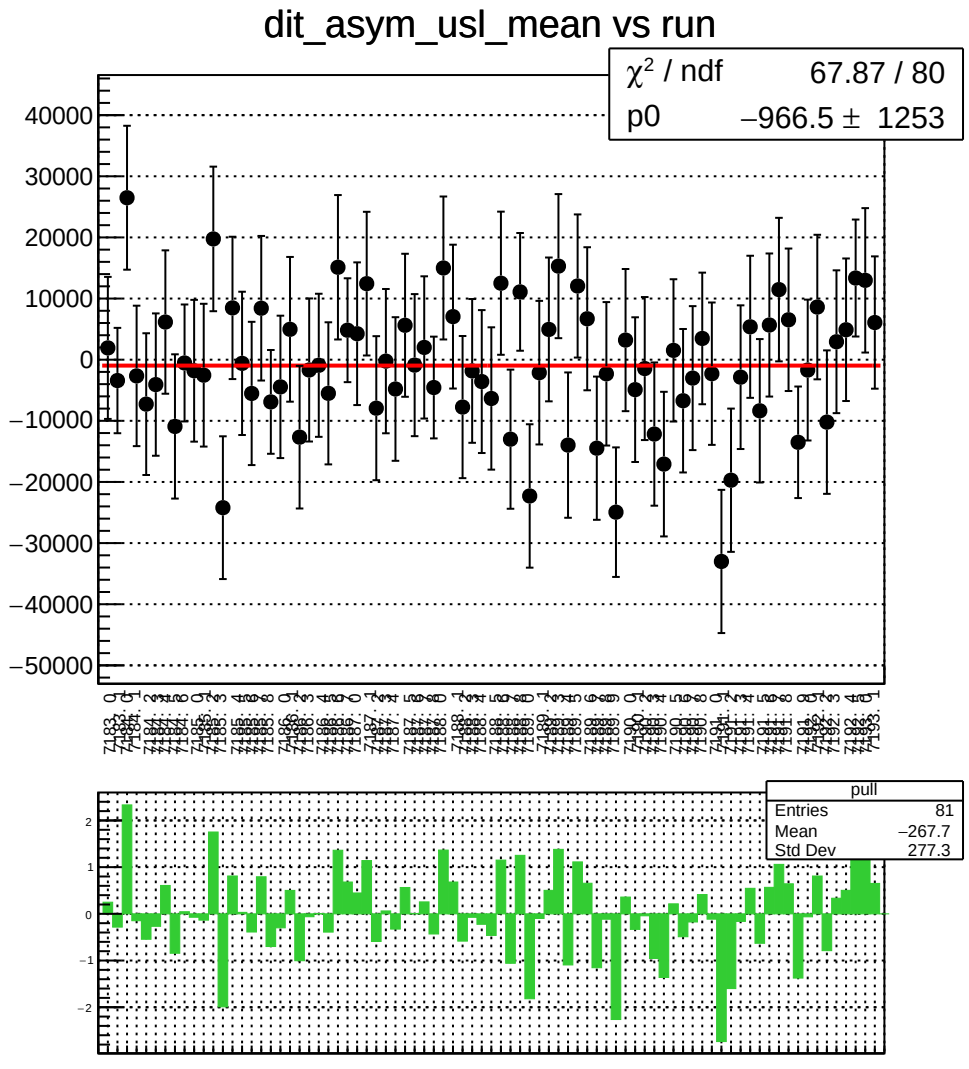

pull1D
Entries 81
Mean −0.01109
Std Dev 0.973

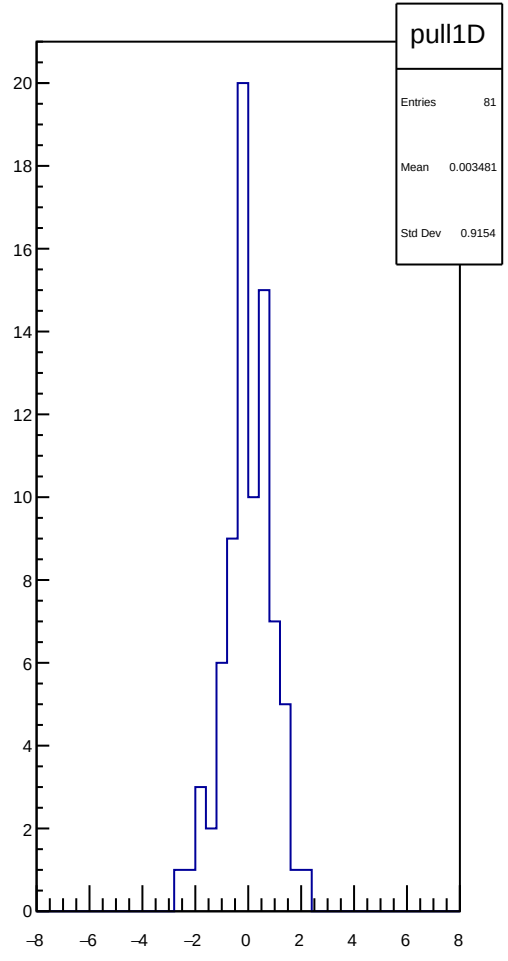

asym_us_dd_correction_rms vs run
χ² / ndf 943.9 / 80
p0 1643 ± 1.311
1750
1700
1650
1600
1550

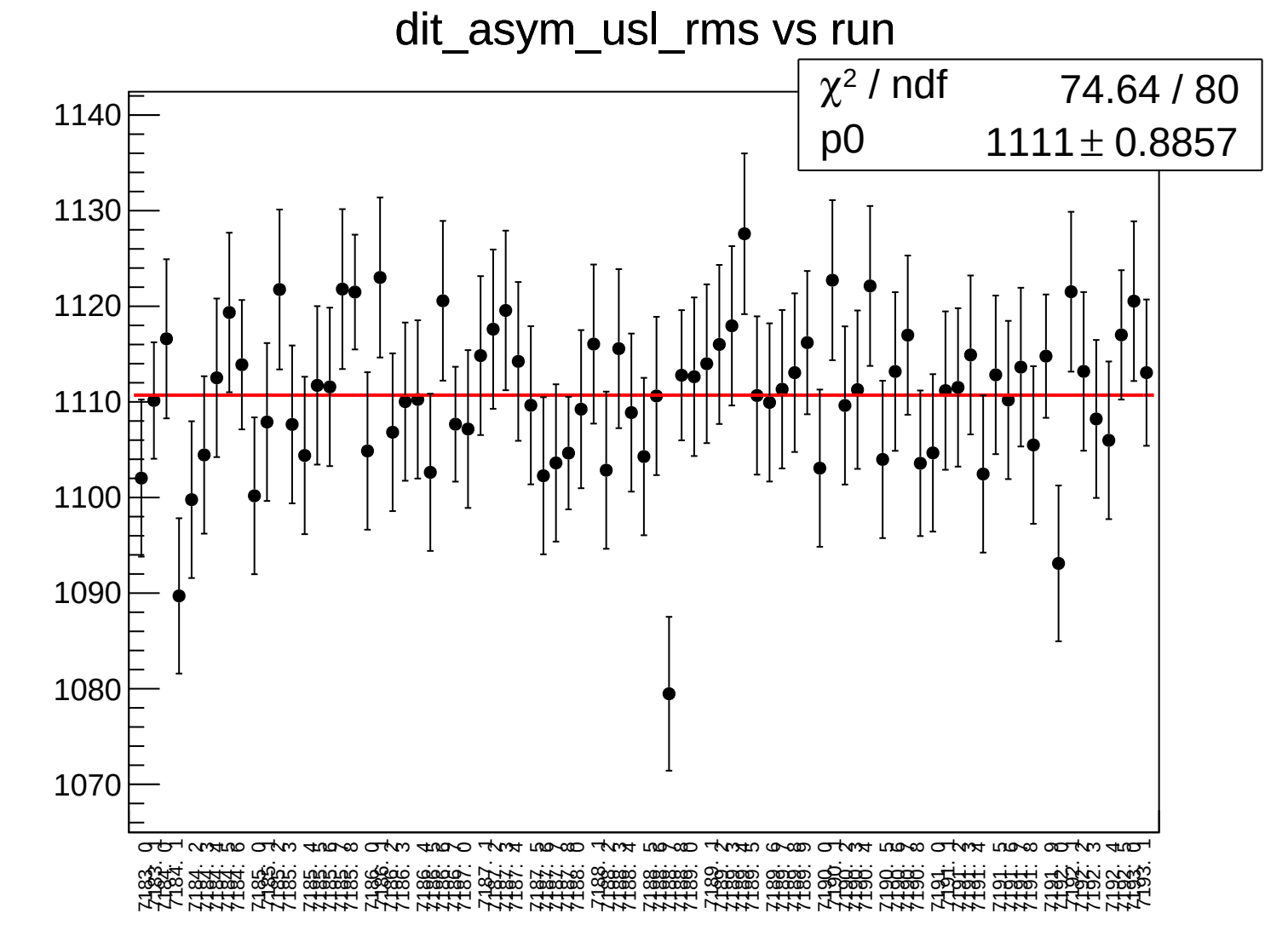

asym_us_dd_mean vs run
χ² / ndf 80.44 / 80
p0 823.3 ± 1044
pull
Entries 81
Mean 25.18
Std Dev 90.27

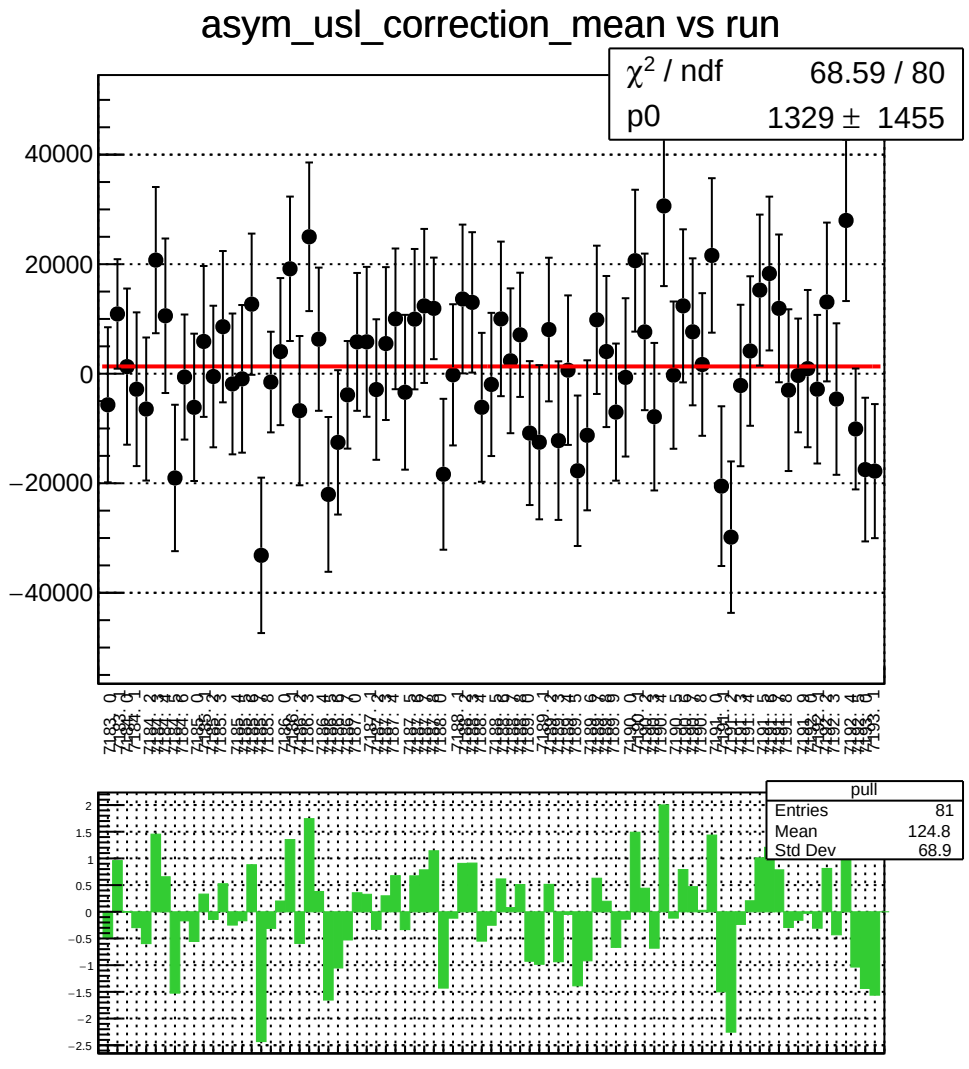

pull1D
Entries 81
Mean −0.008589
Std Dev 0.9965

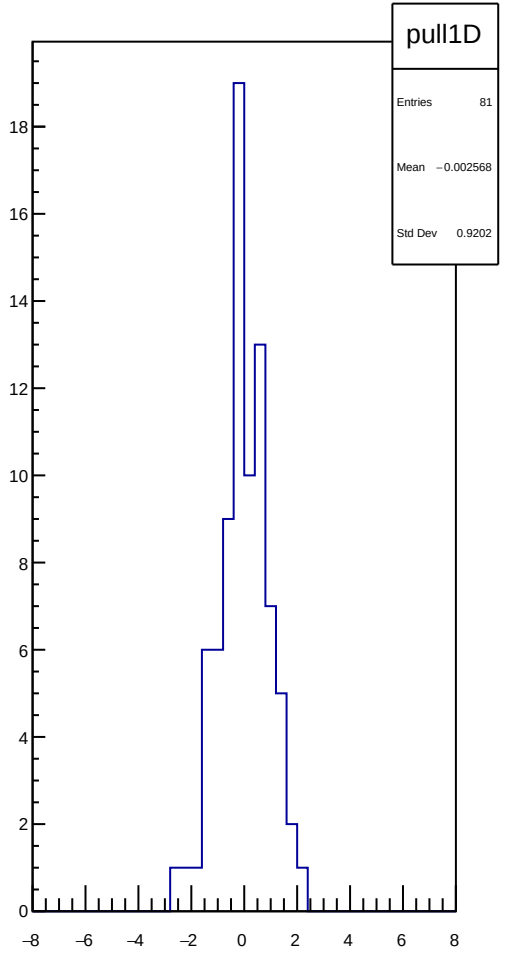

asym_us_dd_rms vs run
$\chi^2$ / ndf 351.5 / 80
p0 925.7 ± 0.7382
970
960
950
940
930
920
910
900
890

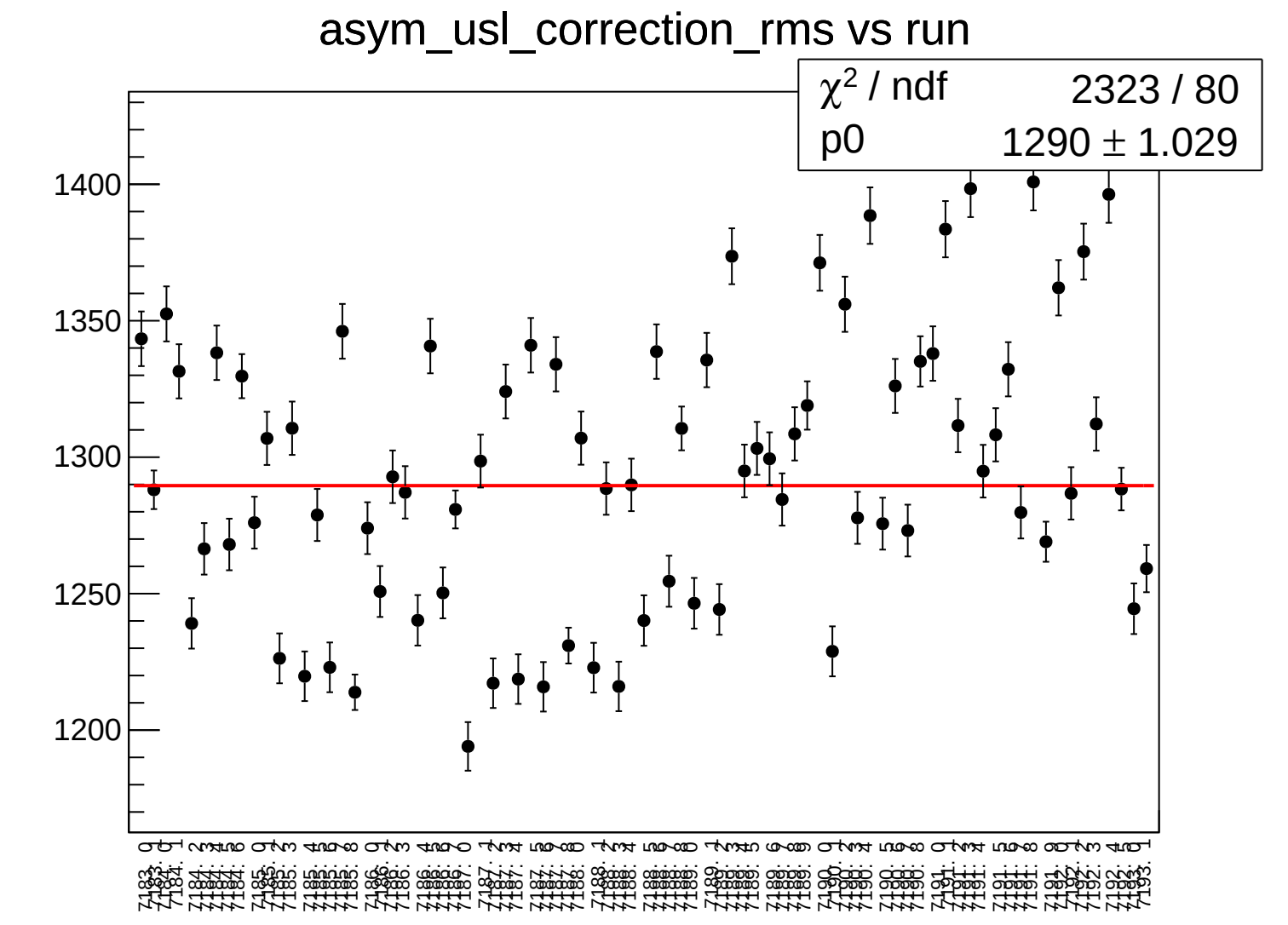

dit_asym_usl_mean vs run
χ² / ndf 67.87 / 80
p0 −966.5 ± 1253
pull
Entries 81
Mean −267.7
Std Dev 277.3

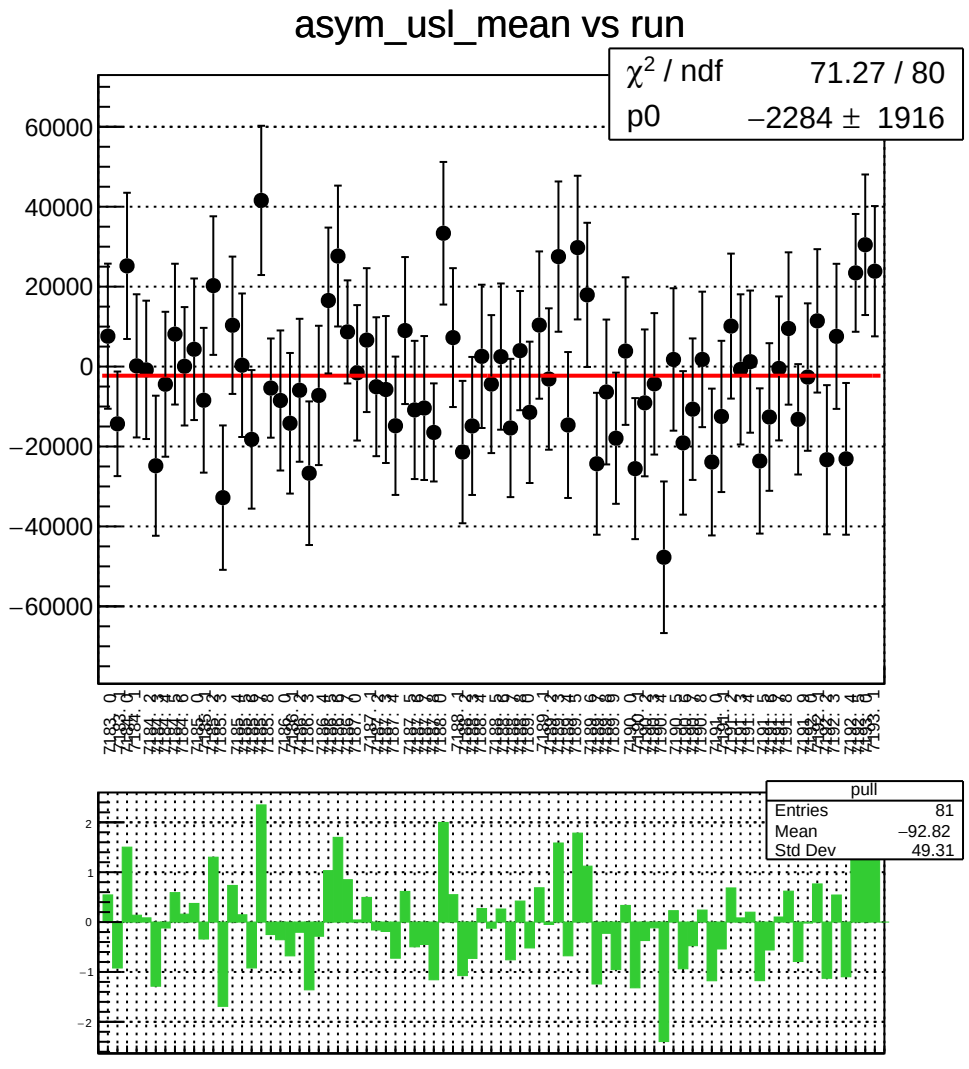

pull1D
Entries 81
Mean 0.003481
Std Dev 0.9154

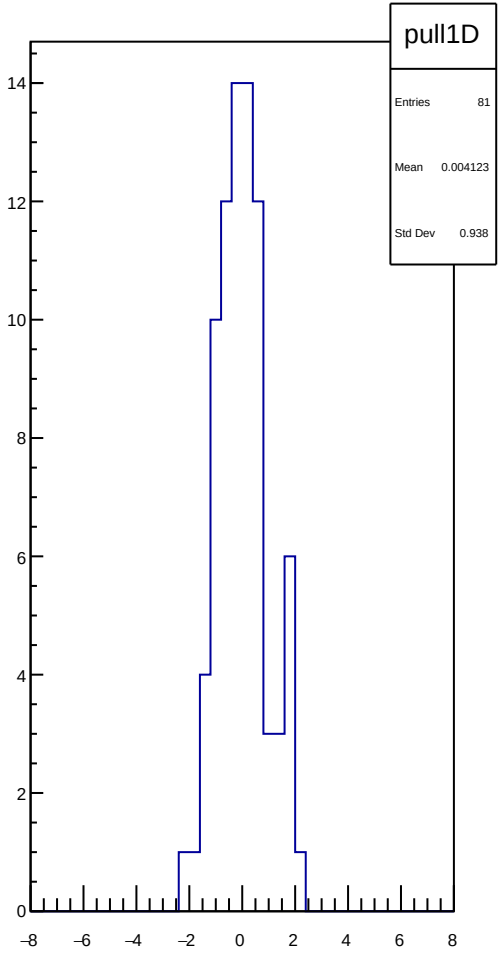

dit_asym_usl_rms vs run
χ² / ndf 74.64 / 80
p0 1111 ± 0.8857
1140
1130
1120
1110
1100
1090
1080
1070

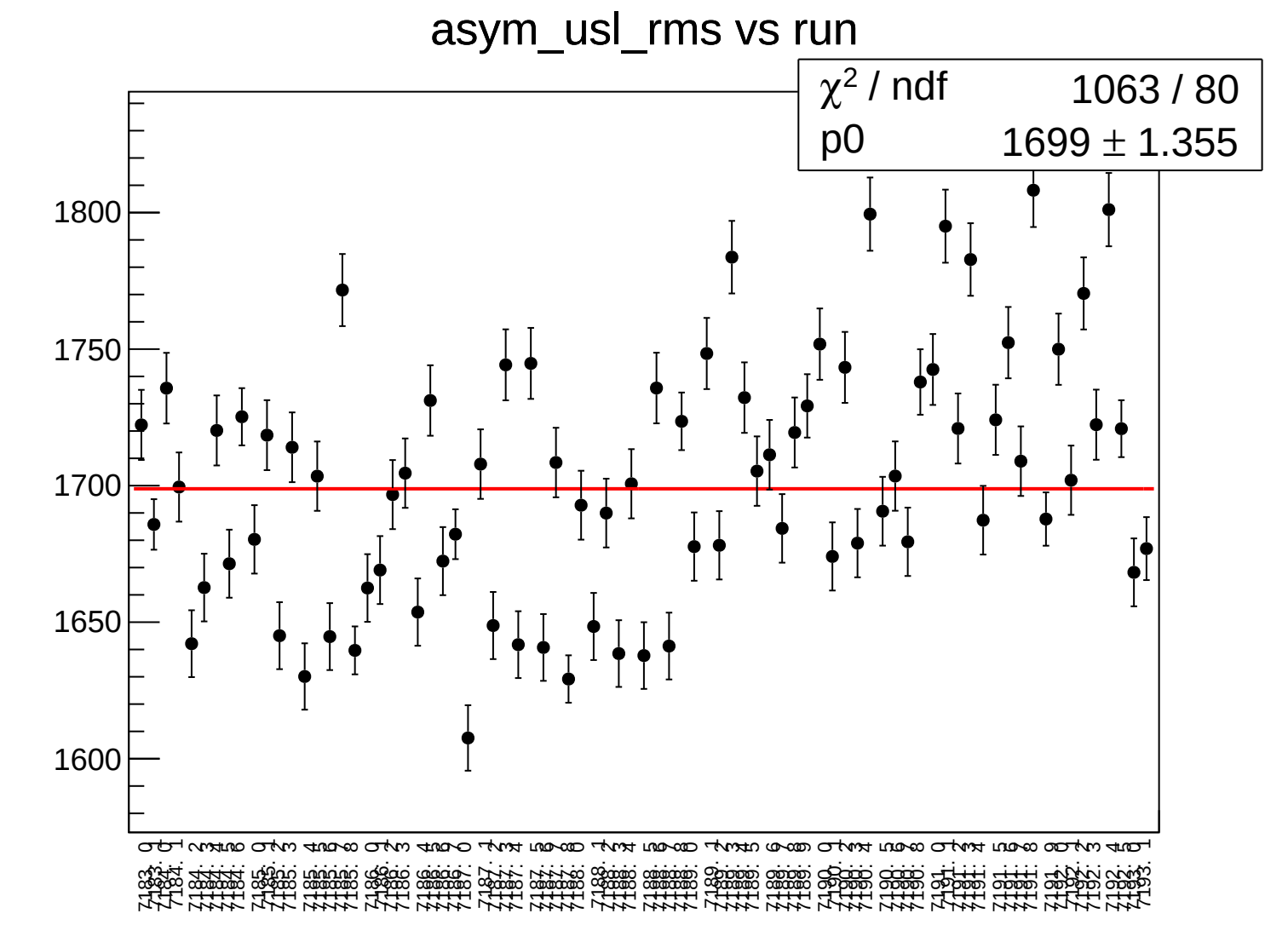

asym_usl_correction_mean vs run
χ² / ndf 68.59 / 80
p0 1329 ± 1455
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 124.8
Std Dev 68.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

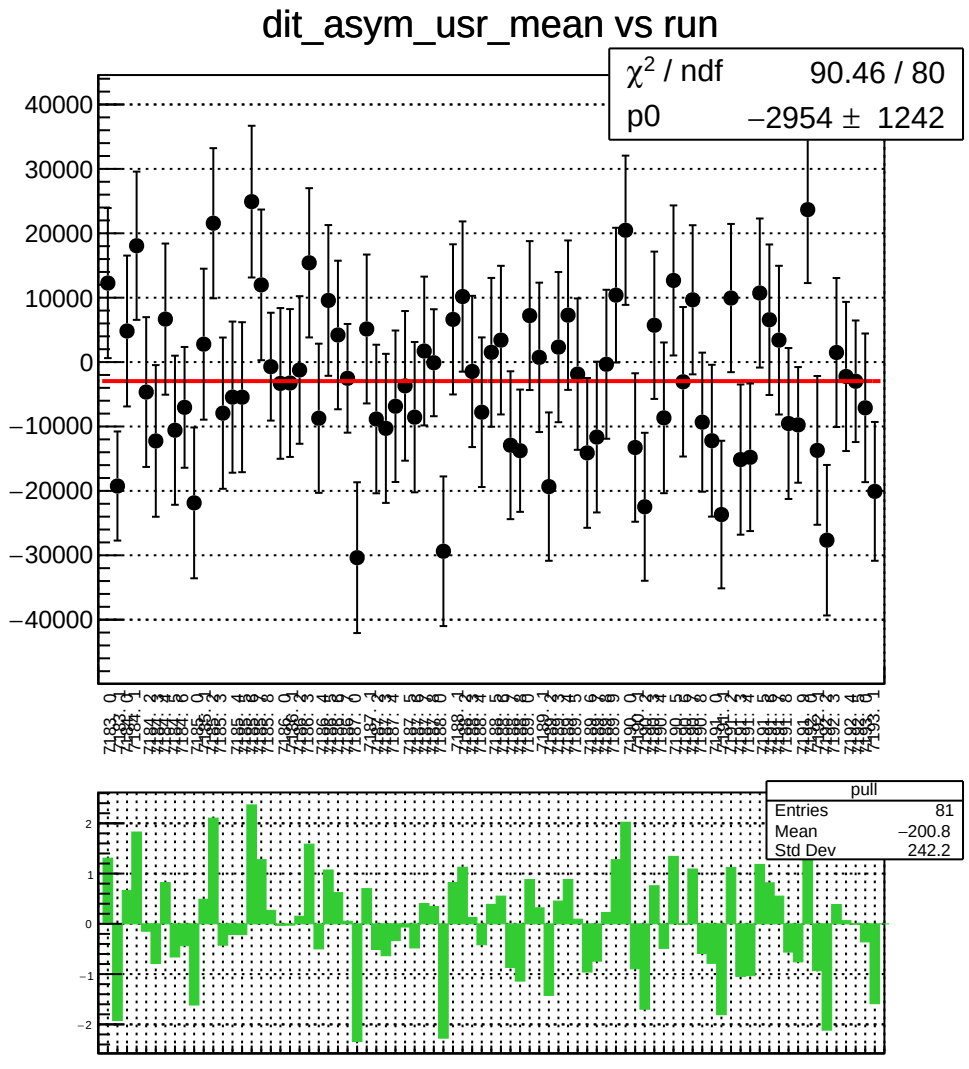

pull1D
Entries 81
Mean −0.002568
Std Dev 0.9202
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

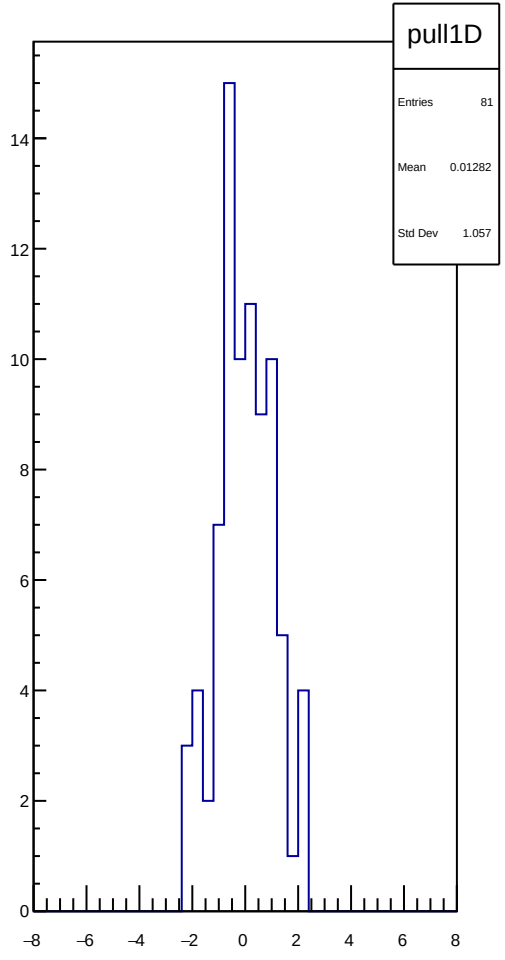

asym_usl_correction_rms vs run
χ² / ndf 2323 / 80
p0 1290 ± 1.029
1400
1350
1300
1250
1200

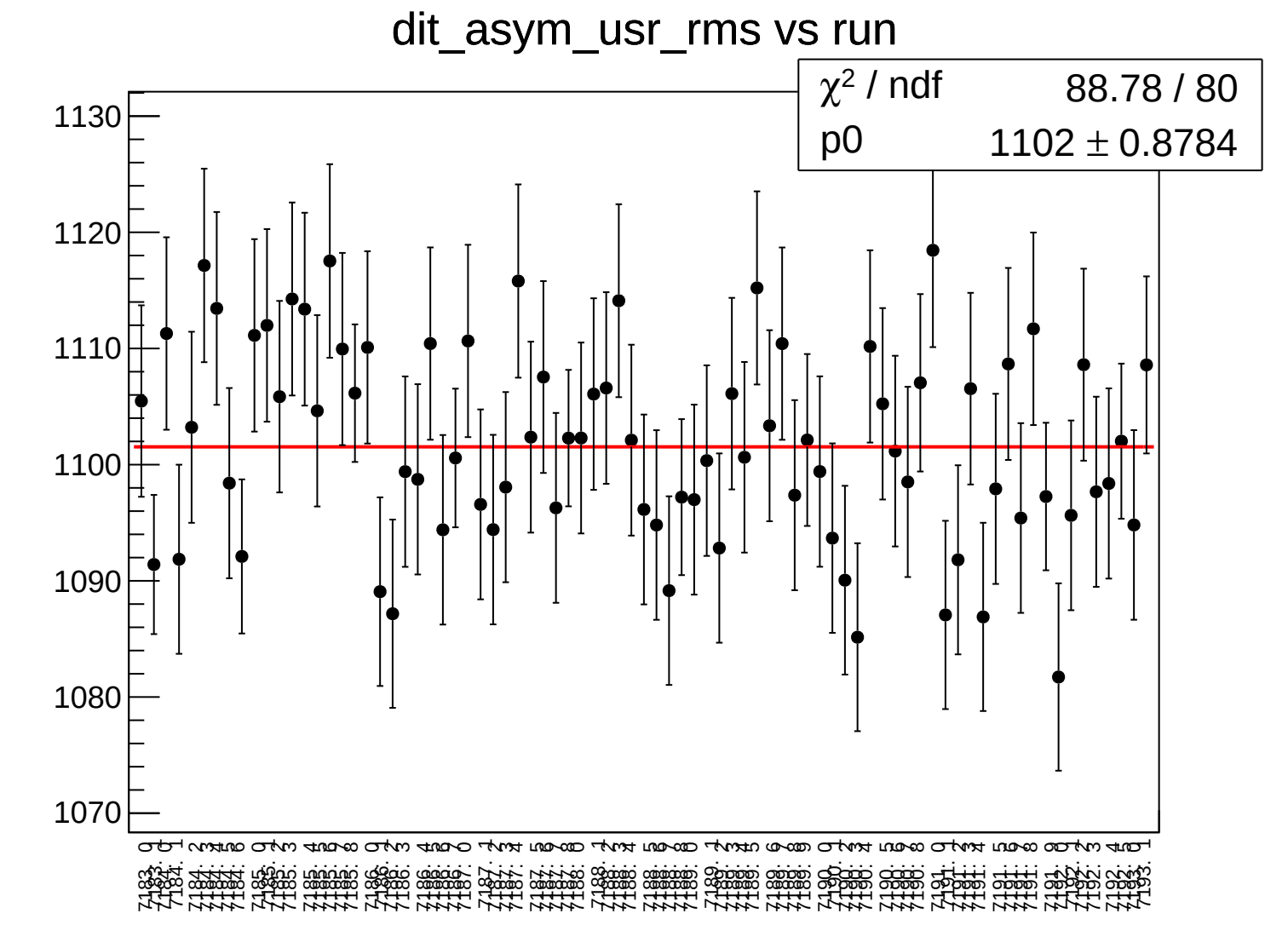

asym_usl_mean vs run
χ² / ndf 71.27 / 80
p0 −2284 ± 1916
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −92.82
Std Dev 49.31
2
1
0
−1
−2

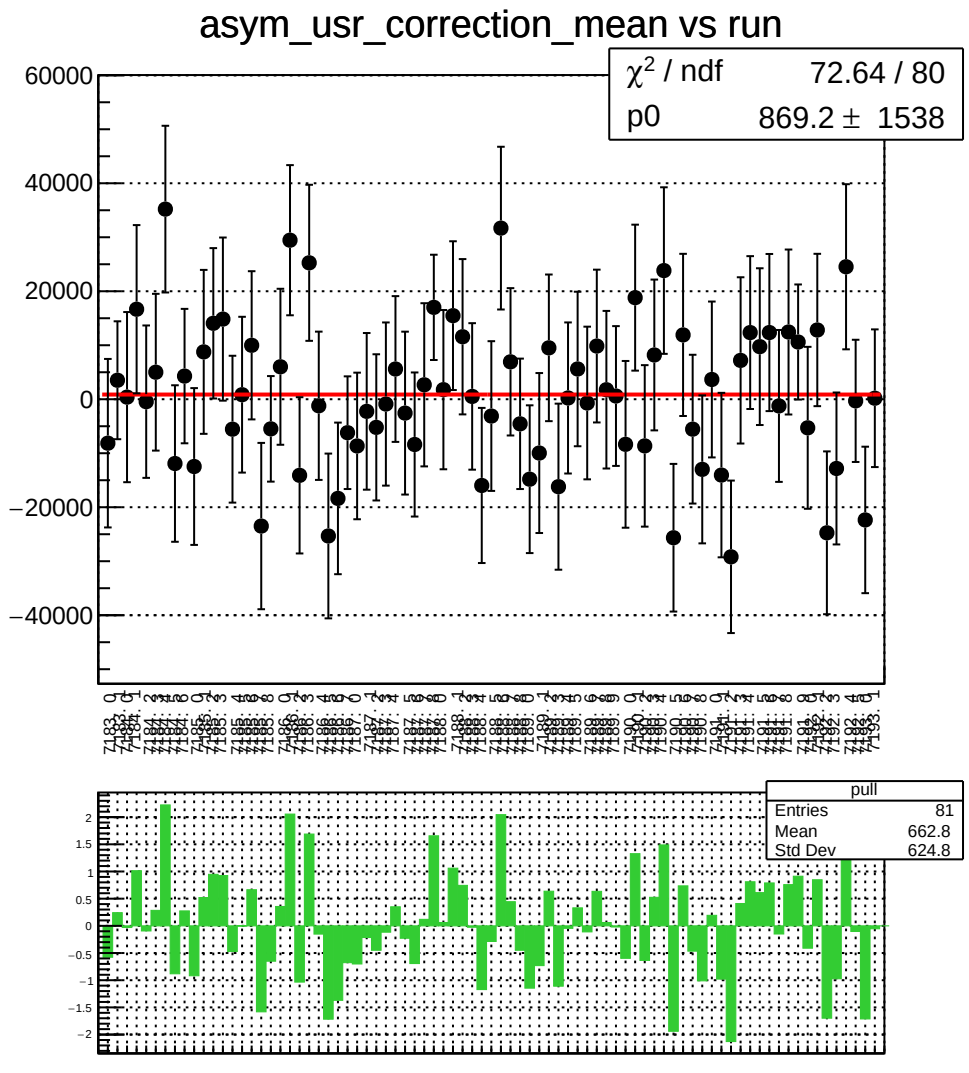

pull1D
Entries 81
Mean 0.004123
Std Dev 0.938
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

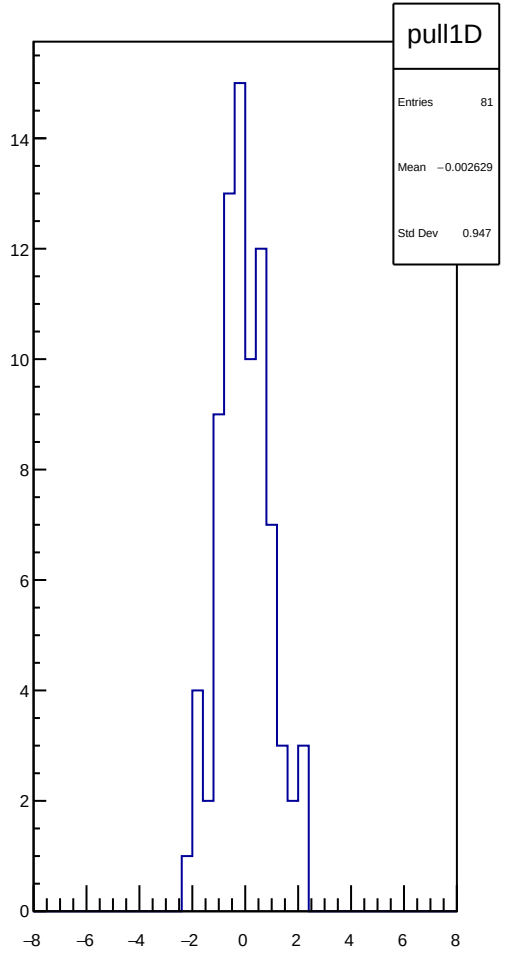

asym_usl_rms vs run
χ² / ndf 1063 / 80
p0 1699 ± 1.355
1800
1750
1700
1650
1600


dit_asym_usr_mean vs run
χ² / ndf 90.46 / 80
p0 −2954 ± 1242
pull
Entries 81
Mean −200.8
Std Dev 242.2

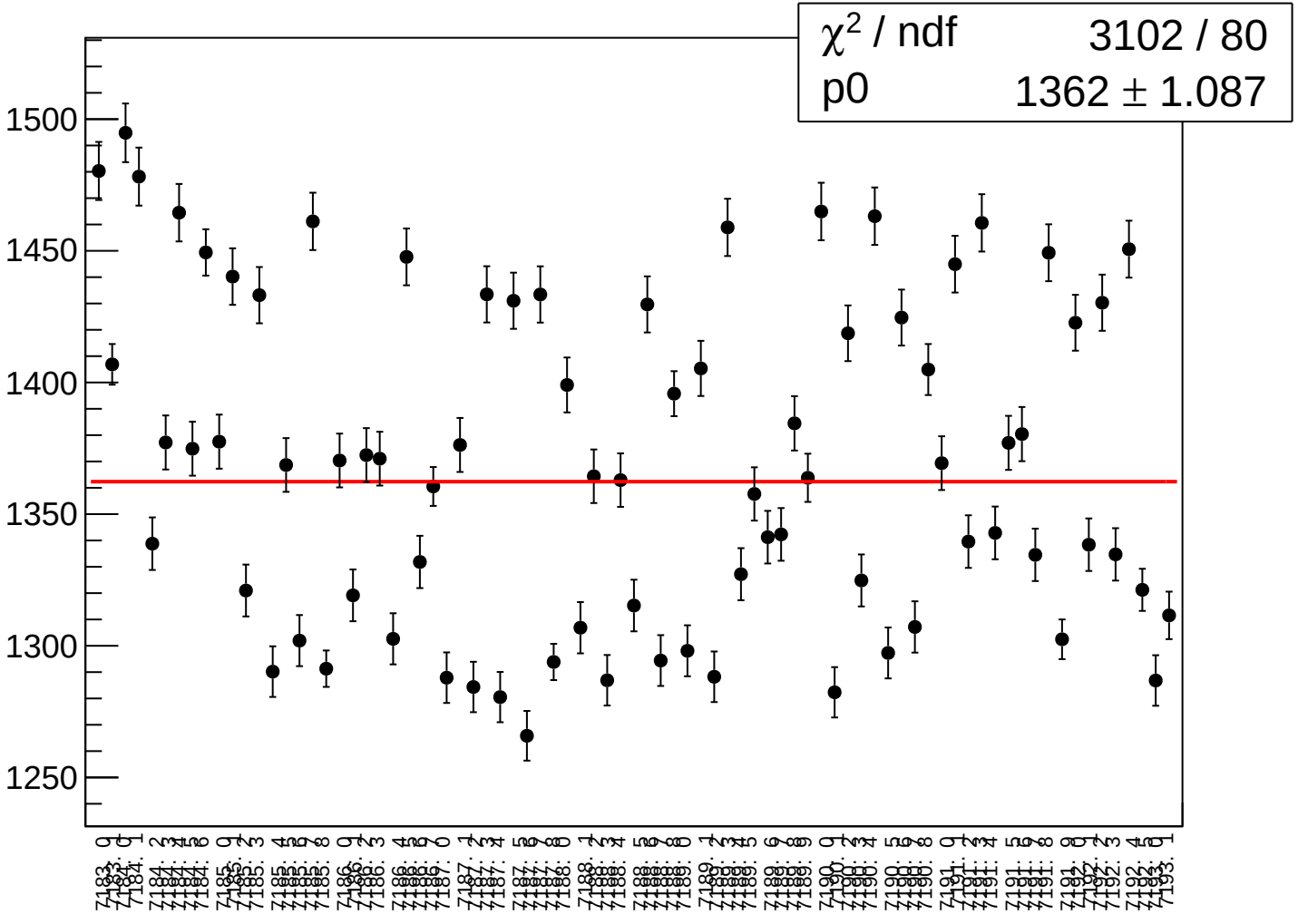

pull1D
Entries 81
Mean 0.01282
Std Dev 1.057

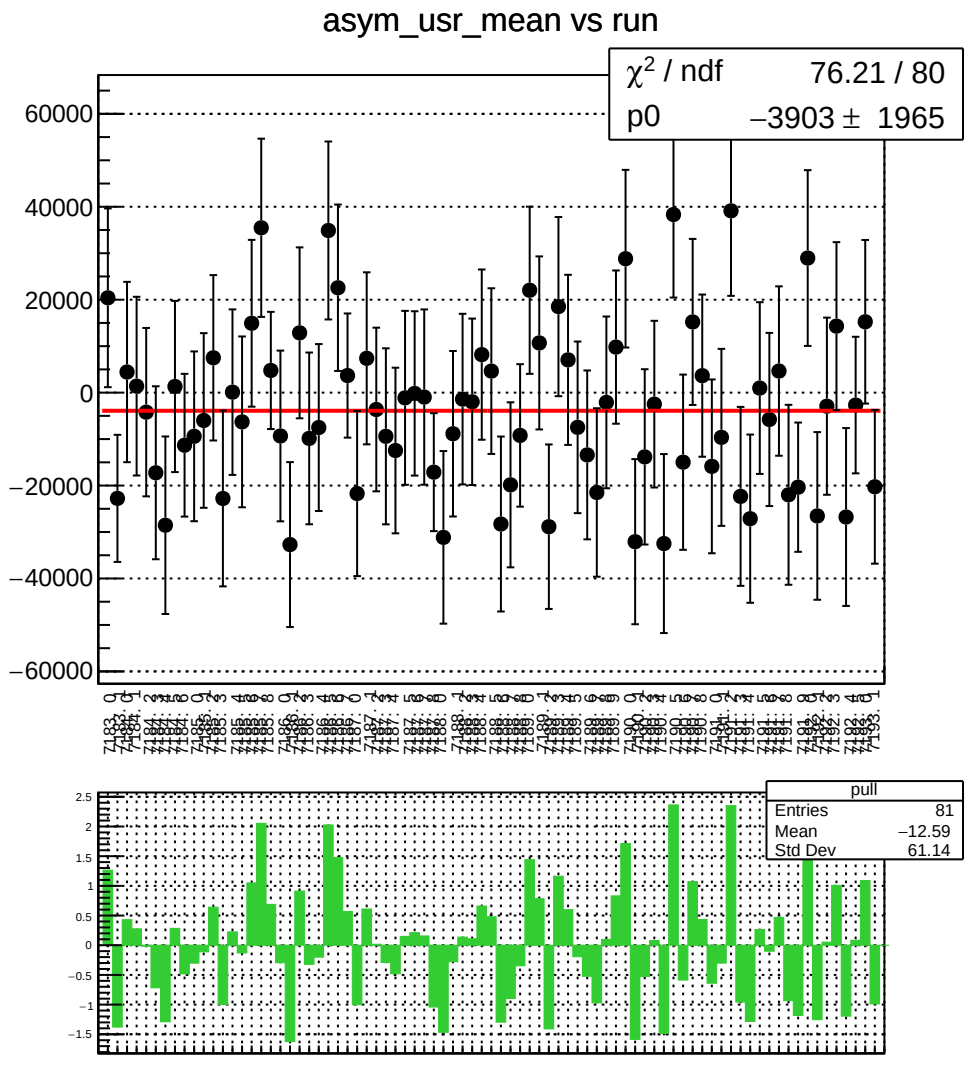

dit_asym_usr_rms vs run
χ² / ndf 88.78 / 80
p0 1102 ± 0.8784
1130
1120
1110
1100
1090
1080
1070

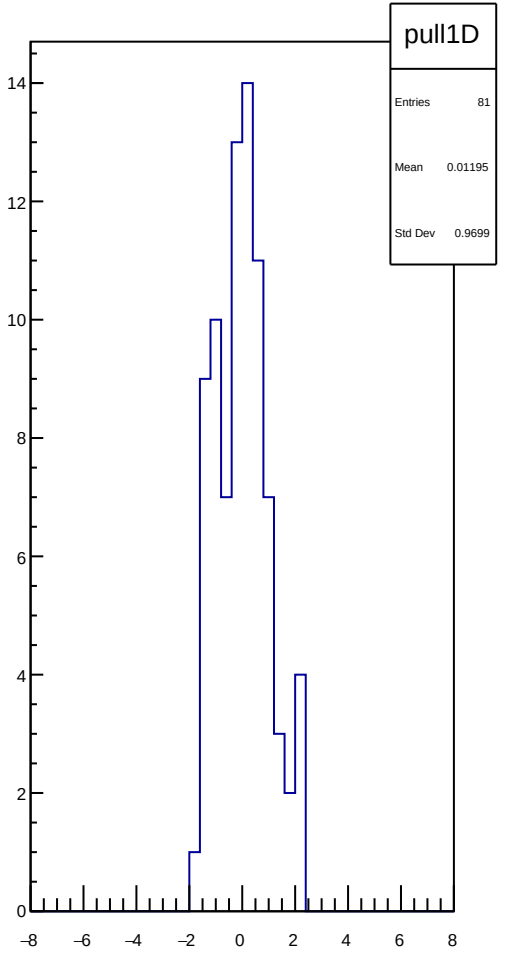

asym_usr_correction_mean vs run
χ² / ndf 72.64 / 80
p0 869.2 ± 1538
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 662.8
Std Dev 624.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

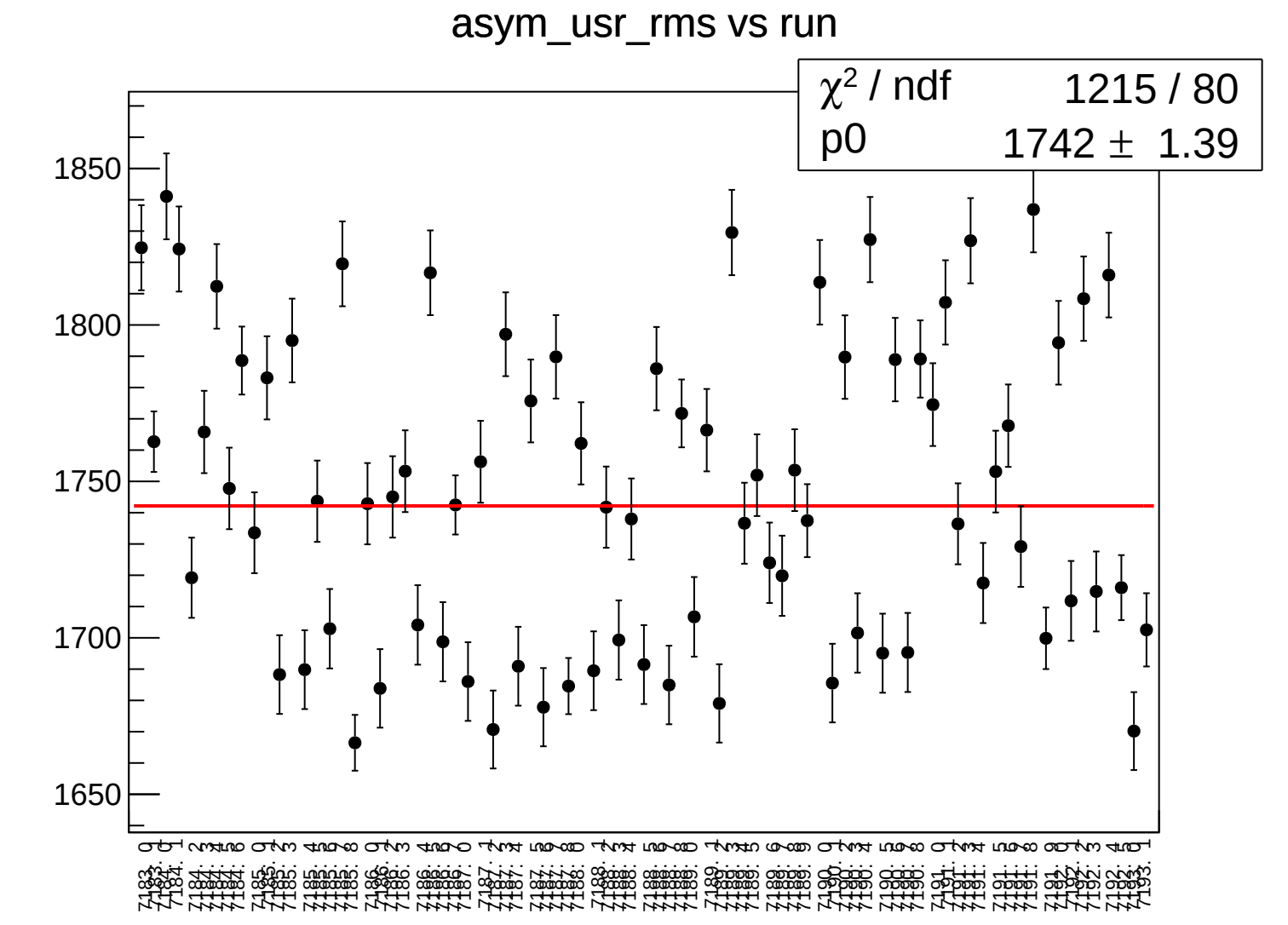

pull1D
Entries 81
Mean −0.002629
Std Dev 0.947
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

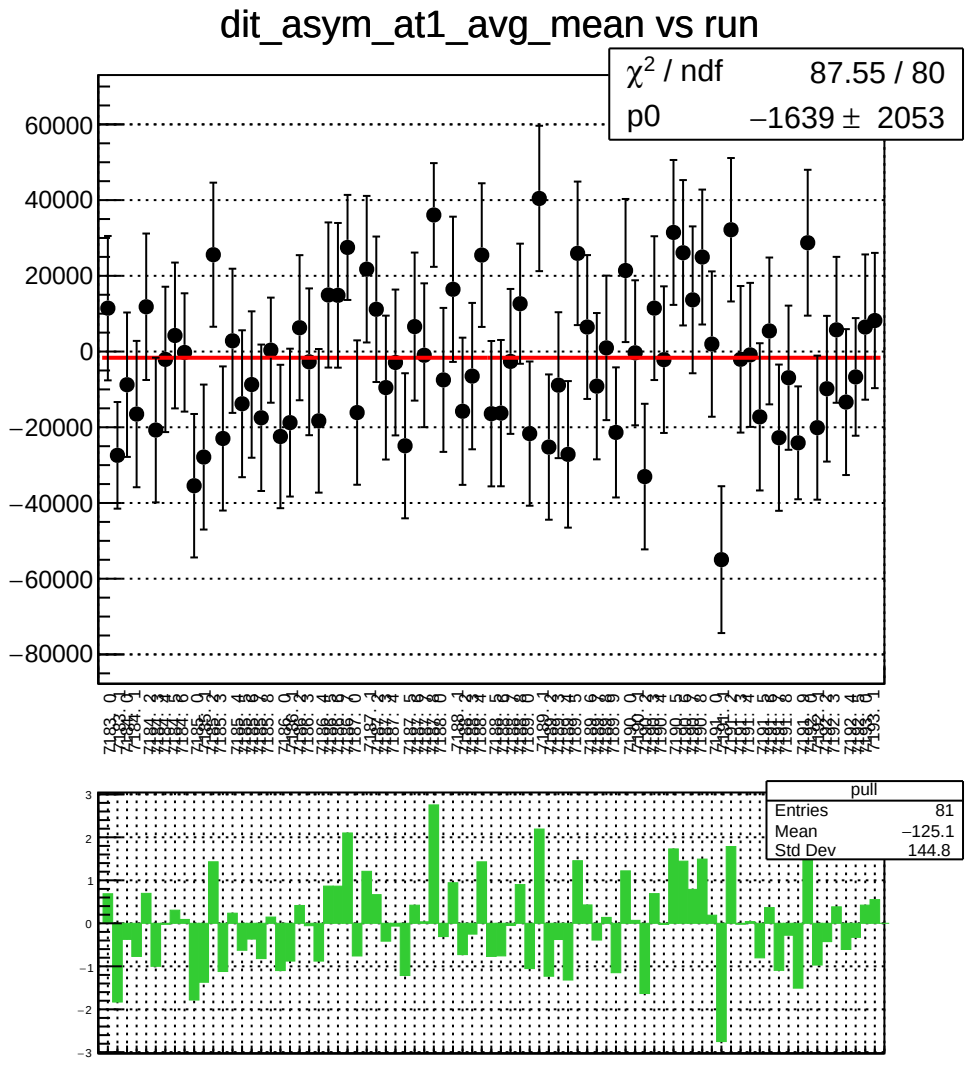
# asym_usr_correction_rms vs run

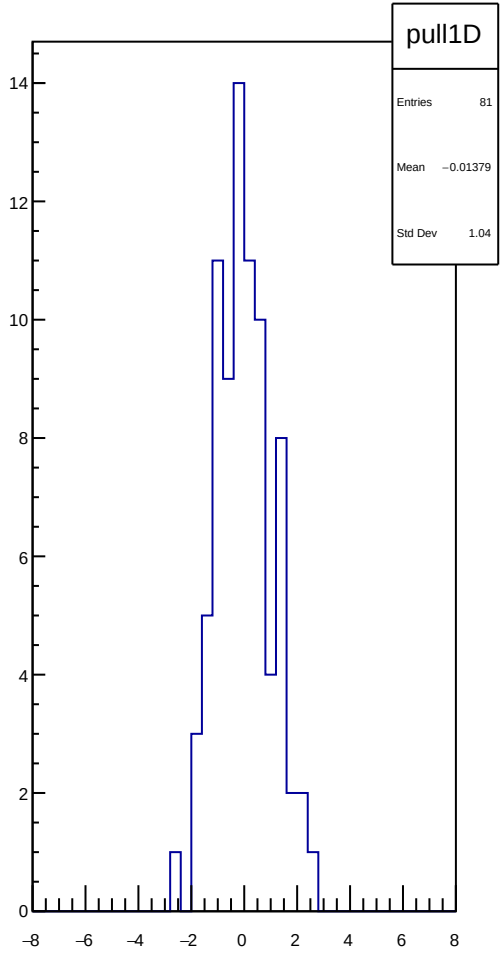


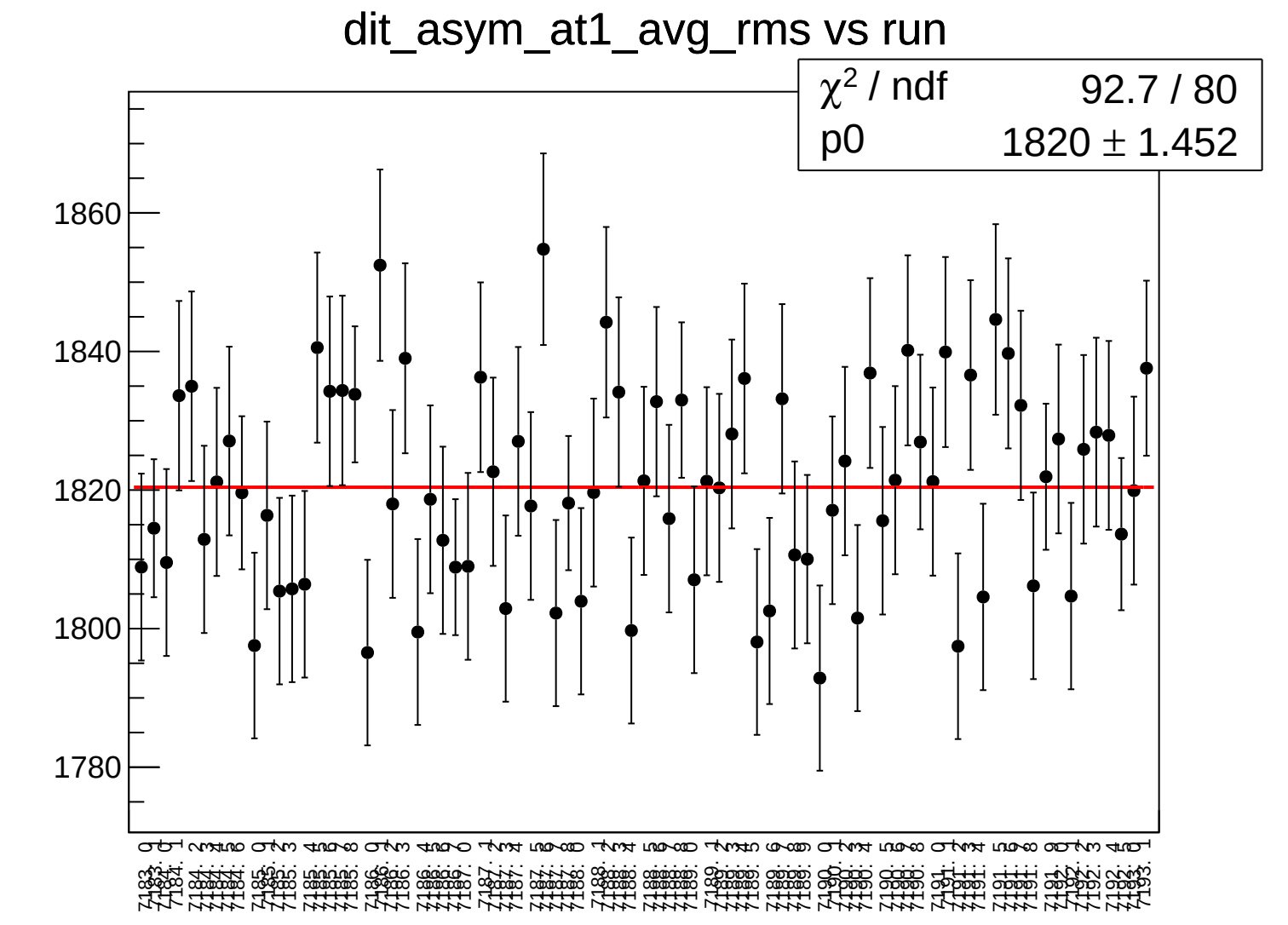

asym_usr_mean vs run
χ² / ndf 76.21 / 80
p0 −3903 ± 1965
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −12.59
Std Dev 61.14
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

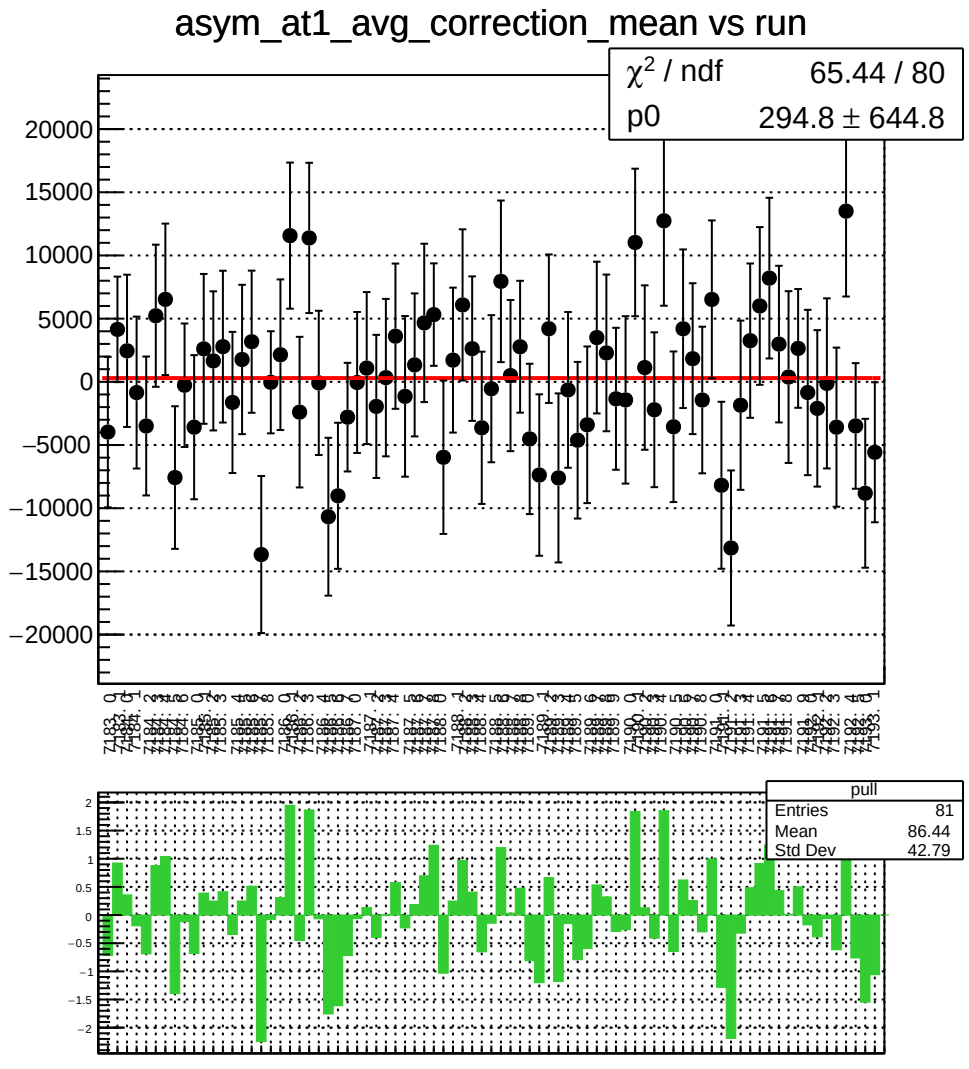

pull1D
Entries 81
Mean 0.01195
Std Dev 0.9699
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

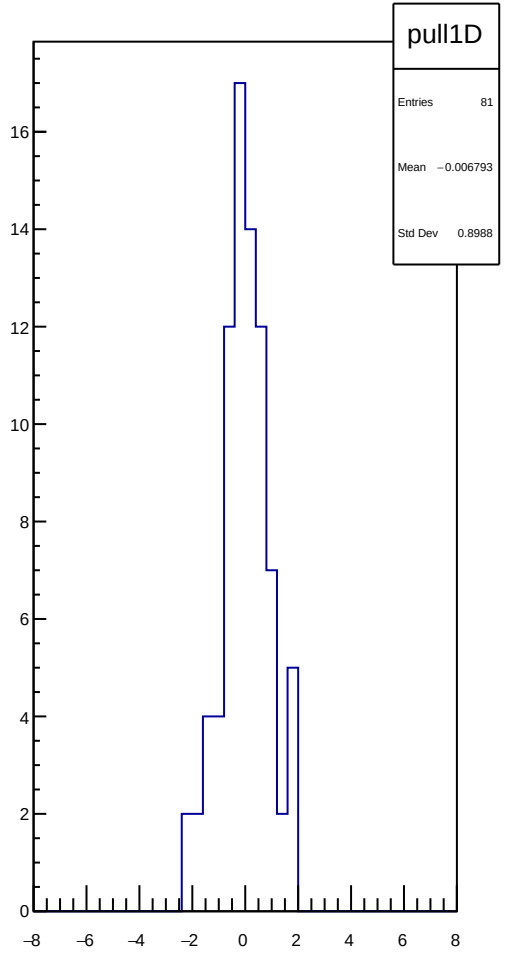

asym_usr_rms vs run
χ² / ndf 1215 / 80
p0 1742 ± 1.39
1850
1800
1750
1700
1650

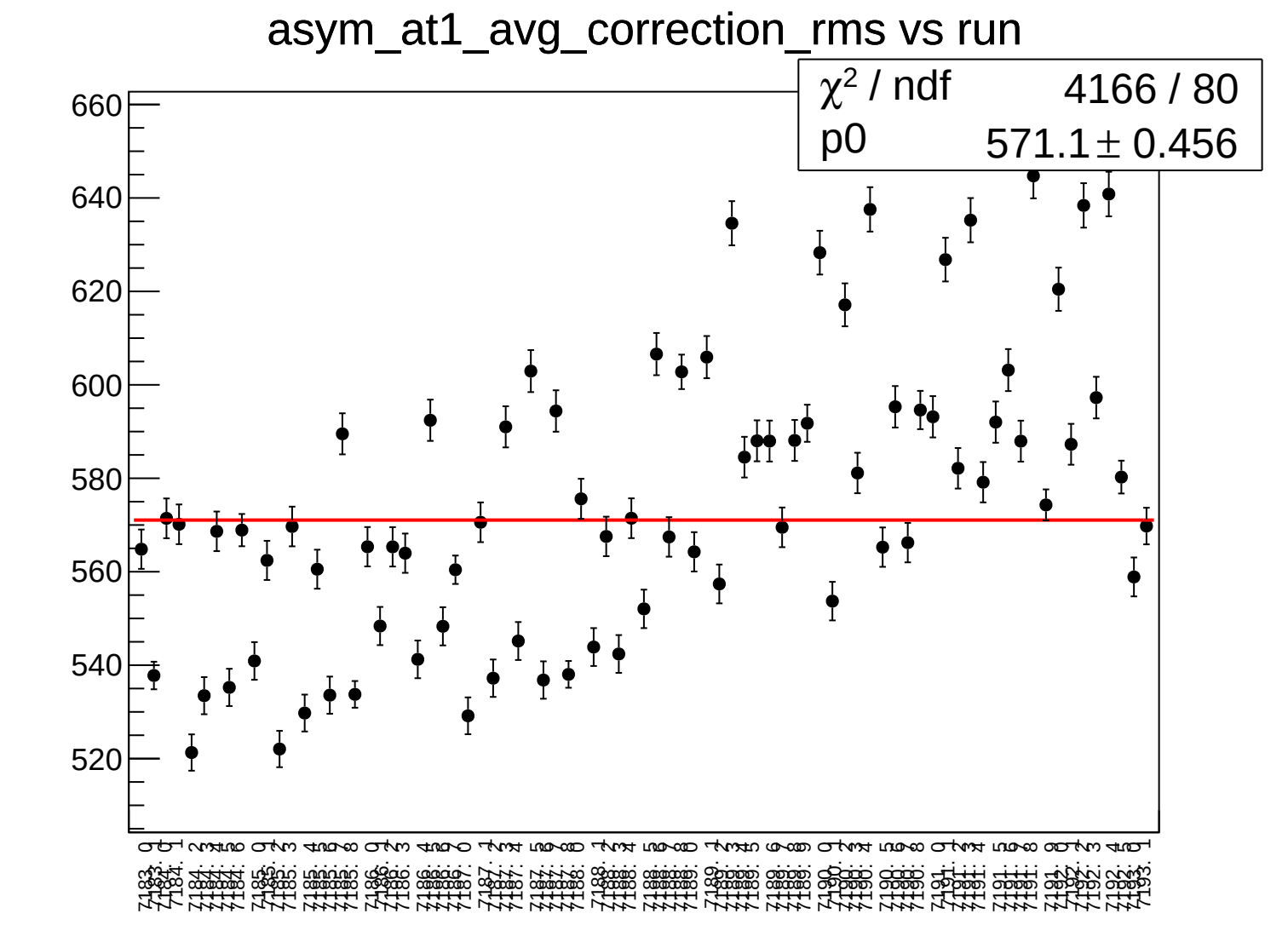

dit_asym_at1_avg_mean vs run
χ² / ndf 87.55 / 80
p0 −1639 ± 2053
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean −125.1
Std Dev 144.8
3
2
1
0
−1
−2
−3

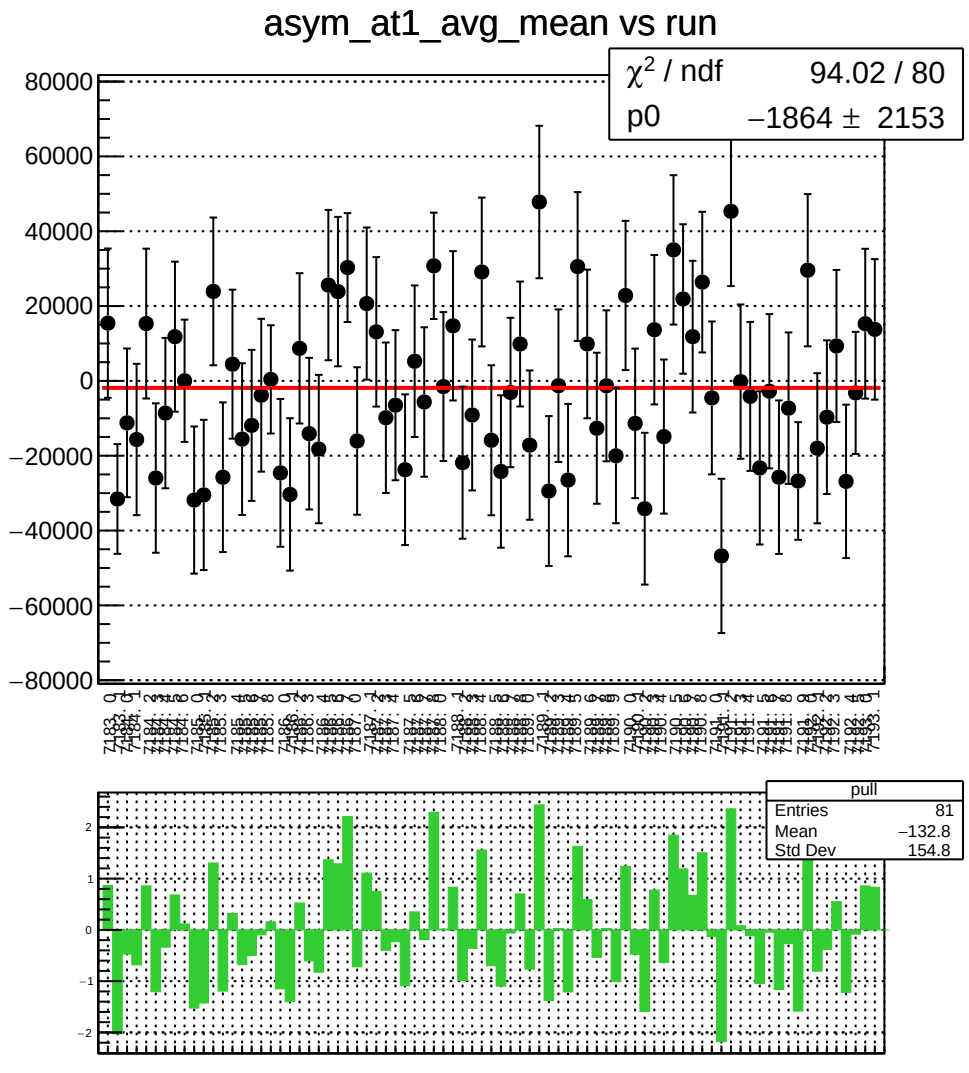

pull1D
Entries 81
Mean −0.01379
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

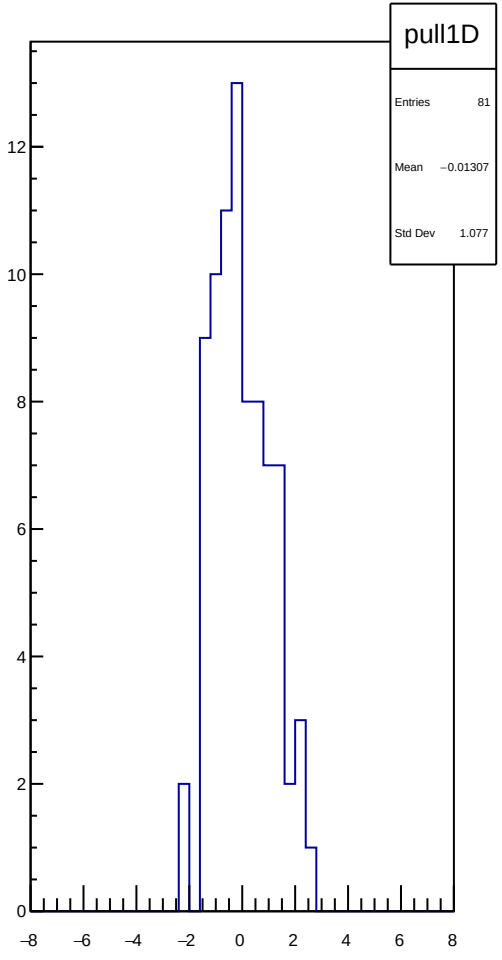

dit_asym_at1_avg_rms vs run
χ² / ndf 92.7 / 80
p0 1820 ± 1.452
1860
1840
1820
1800
1780

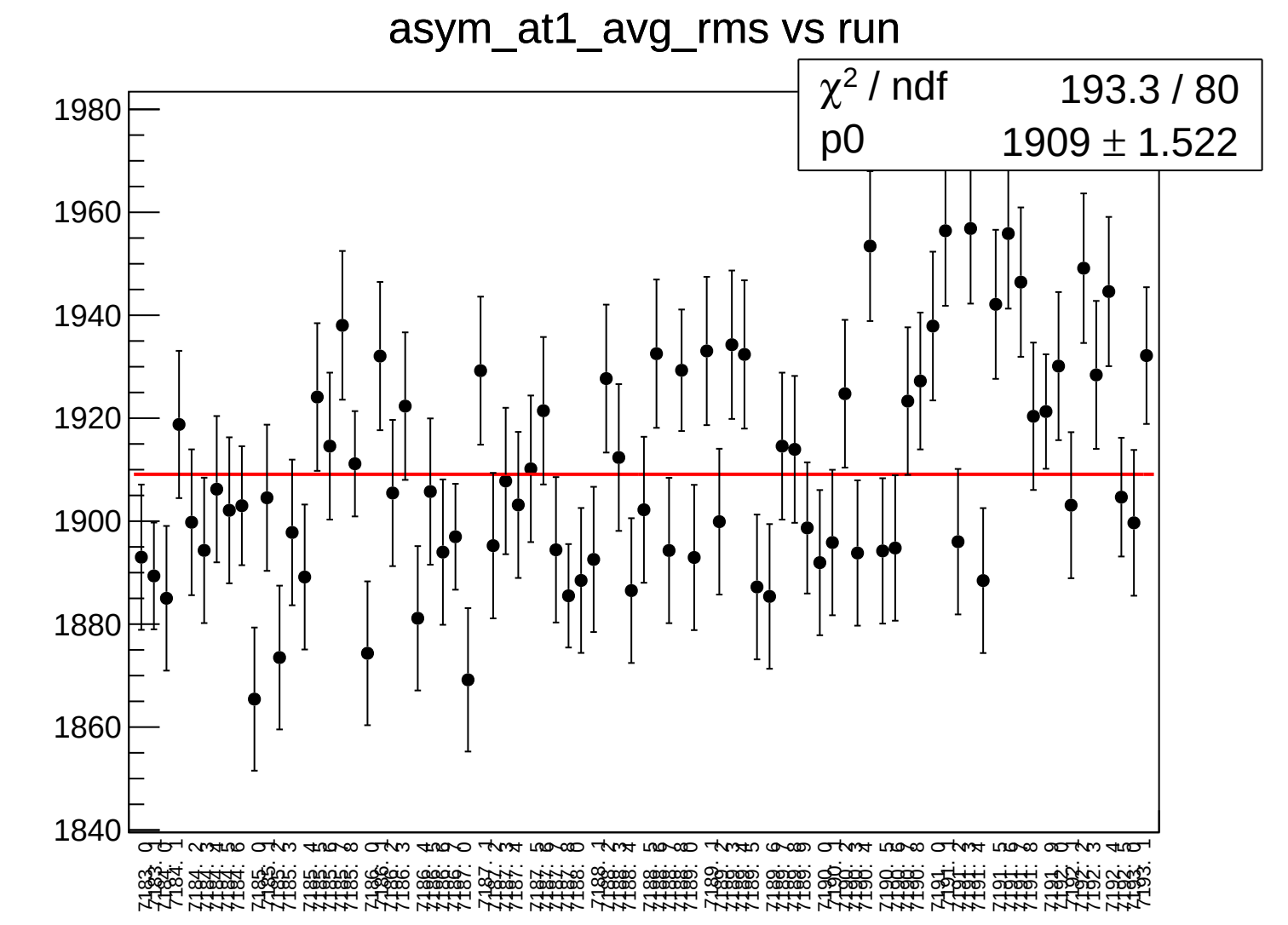

asym_at1_avg_correction_mean vs run
χ² / ndf 65.44 / 80
p0 294.8 ± 644.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 81
Mean 86.44
Std Dev 42.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

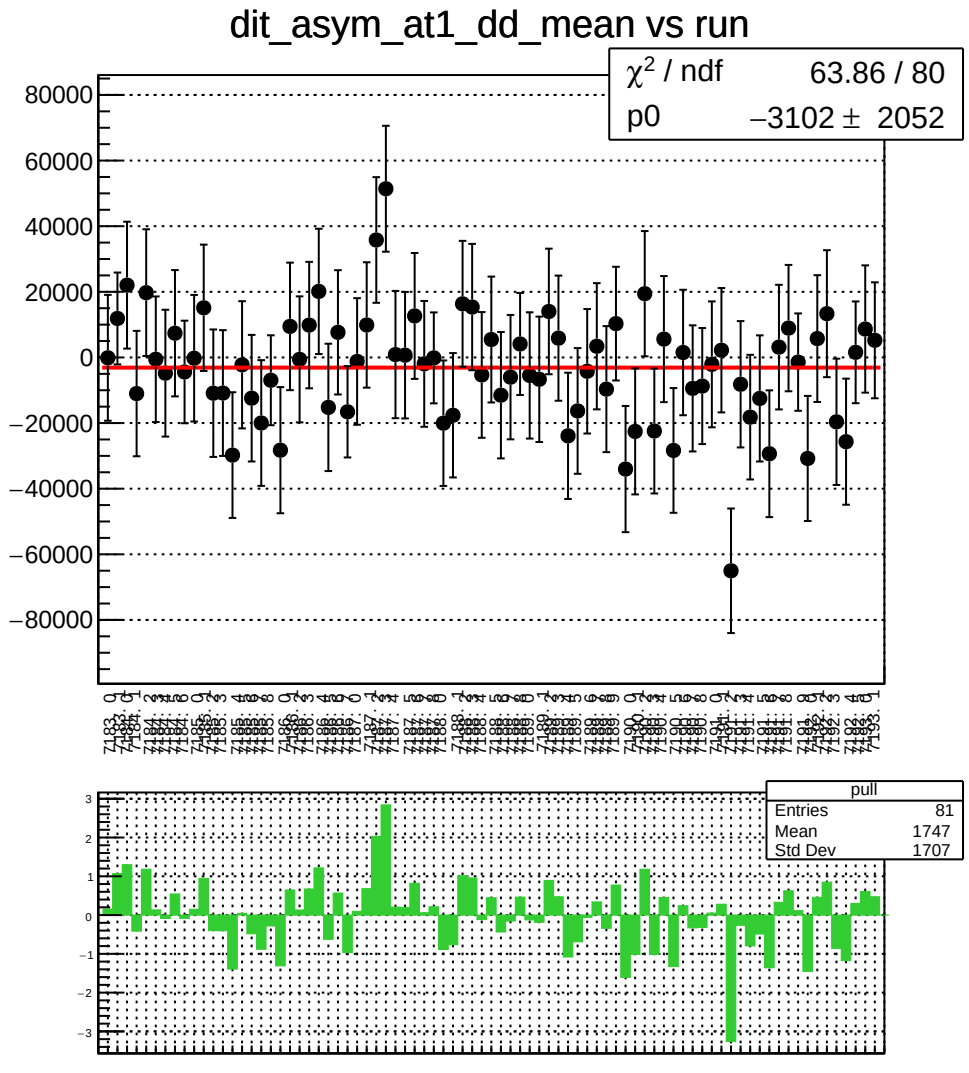

pull1D
Entries 81
Mean −0.006793
Std Dev 0.8988
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

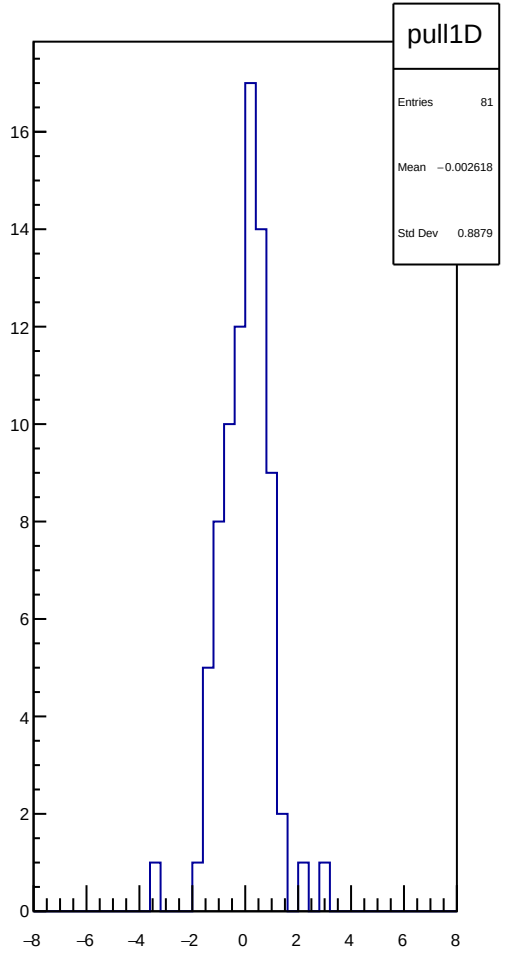

asym_at1_avg_correction_rms vs run
χ² / ndf 4166 / 80
p0 571.1 ± 0.456
660
640
620
600
580
560
540
520

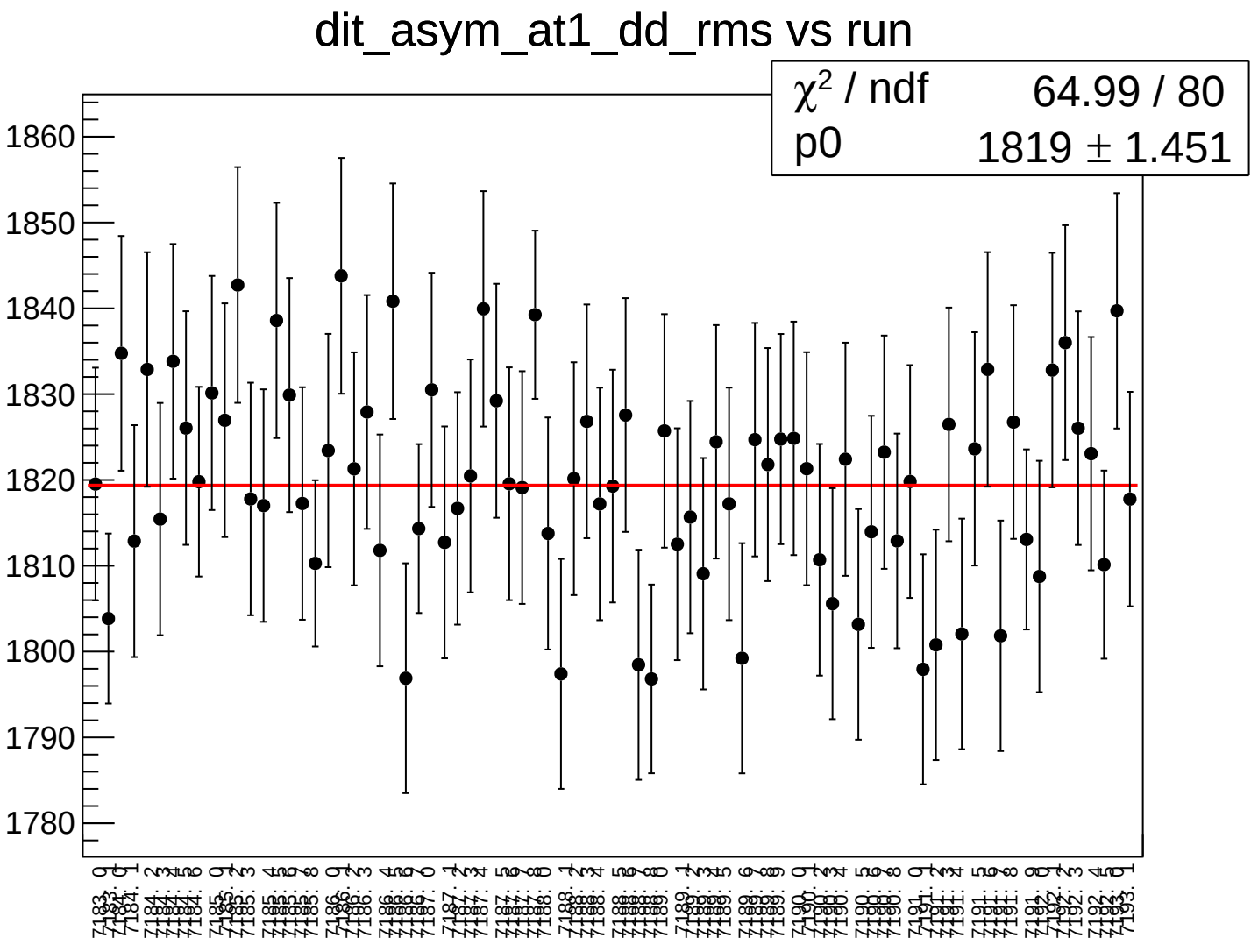

asym_at1_avg_mean vs run
χ² / ndf 94.02 / 80
p0 −1864 ± 2153
pull
Entries 81
Mean −132.8
Std Dev 154.8

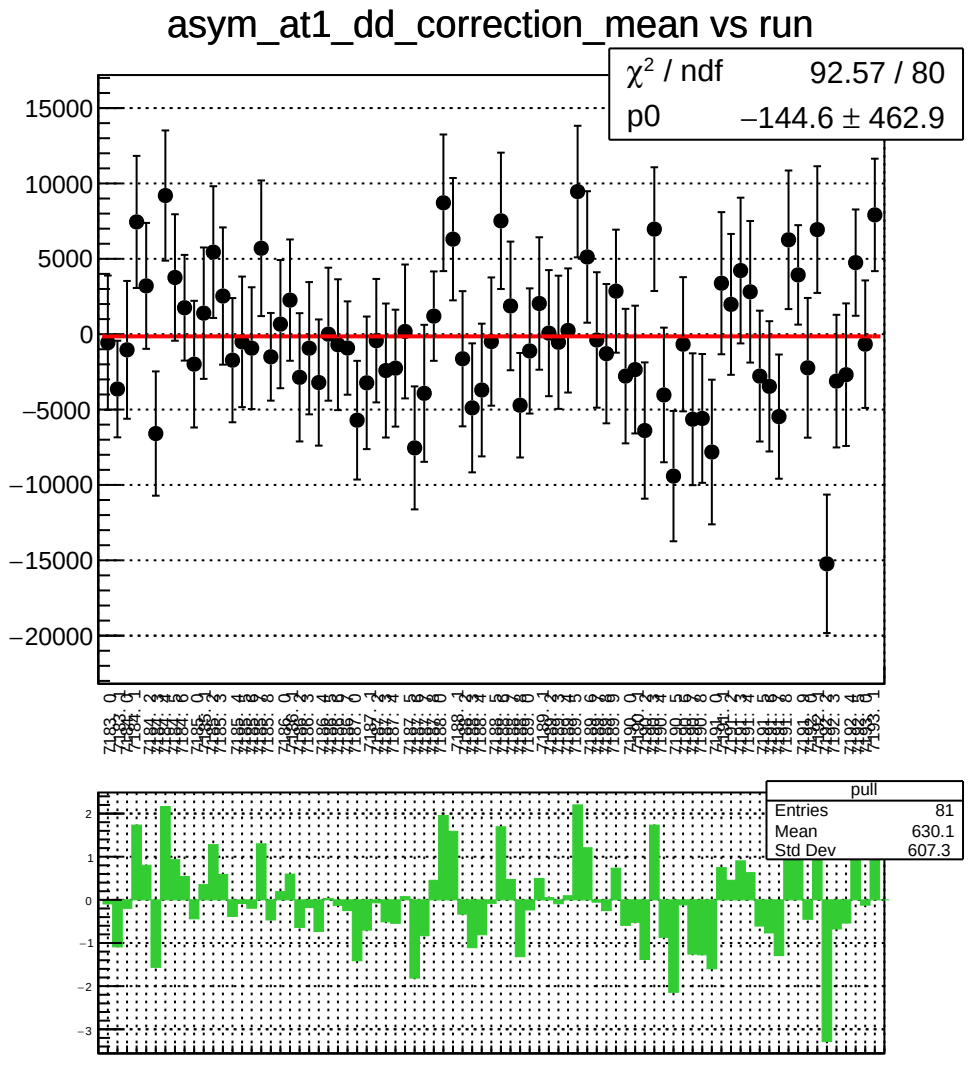

pull1D
Entries 81
Mean −0.01307
Std Dev 1.077

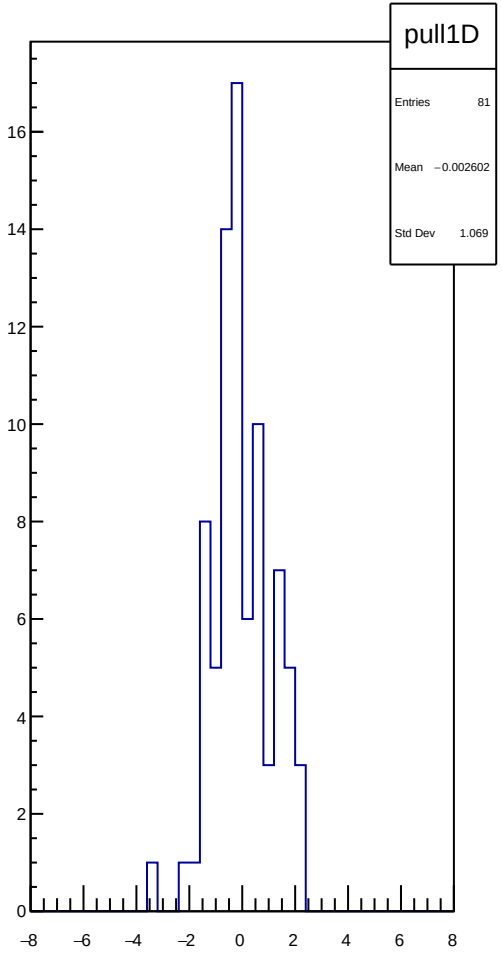

asym_at1_avg_rms vs run
χ² / ndf 193.3 / 80
p0 1909 ± 1.522
1980
1960
1940
1920
1900
1880
1860
1840

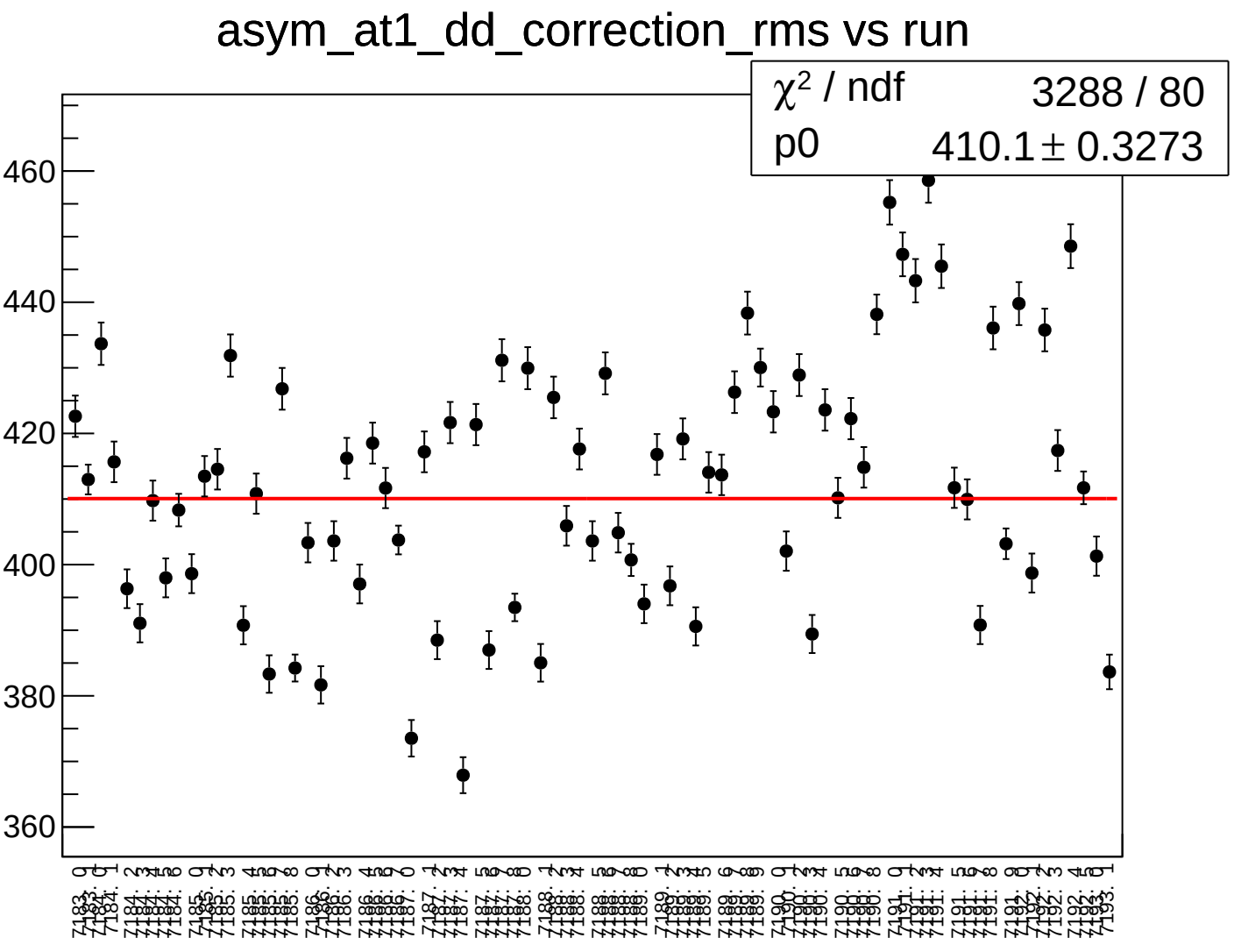

dit_asym_at1_dd_mean vs run
χ² / ndf 63.86 / 80
p0 −3102 ± 2052
pull
Entries 81
Mean 1747
Std Dev 1707

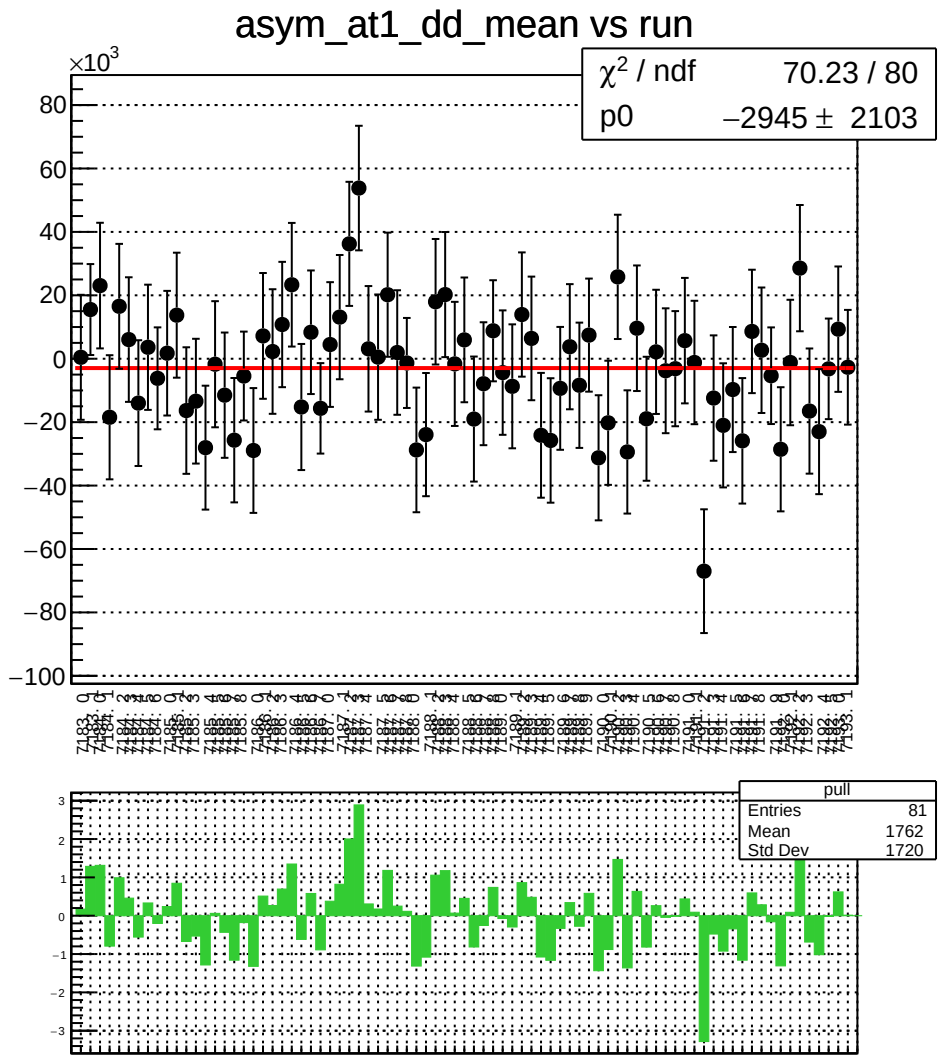

pull1D
Entries 81
Mean −0.002618
Std Dev 0.8879

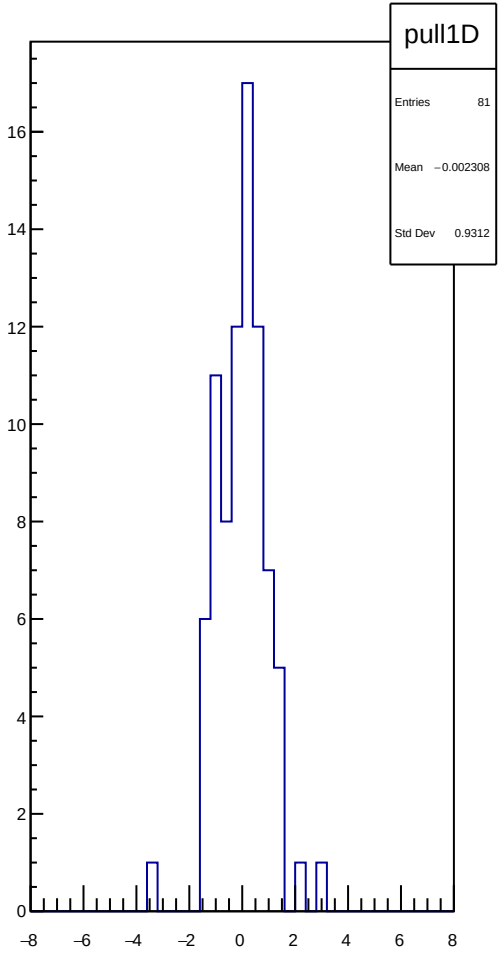

dit_asym_at1_dd_rms vs run
χ² / ndf 64.99 / 80
p0 1819 ± 1.451
1860
1850
1840
1830
1820
1810
1800
1790
1780

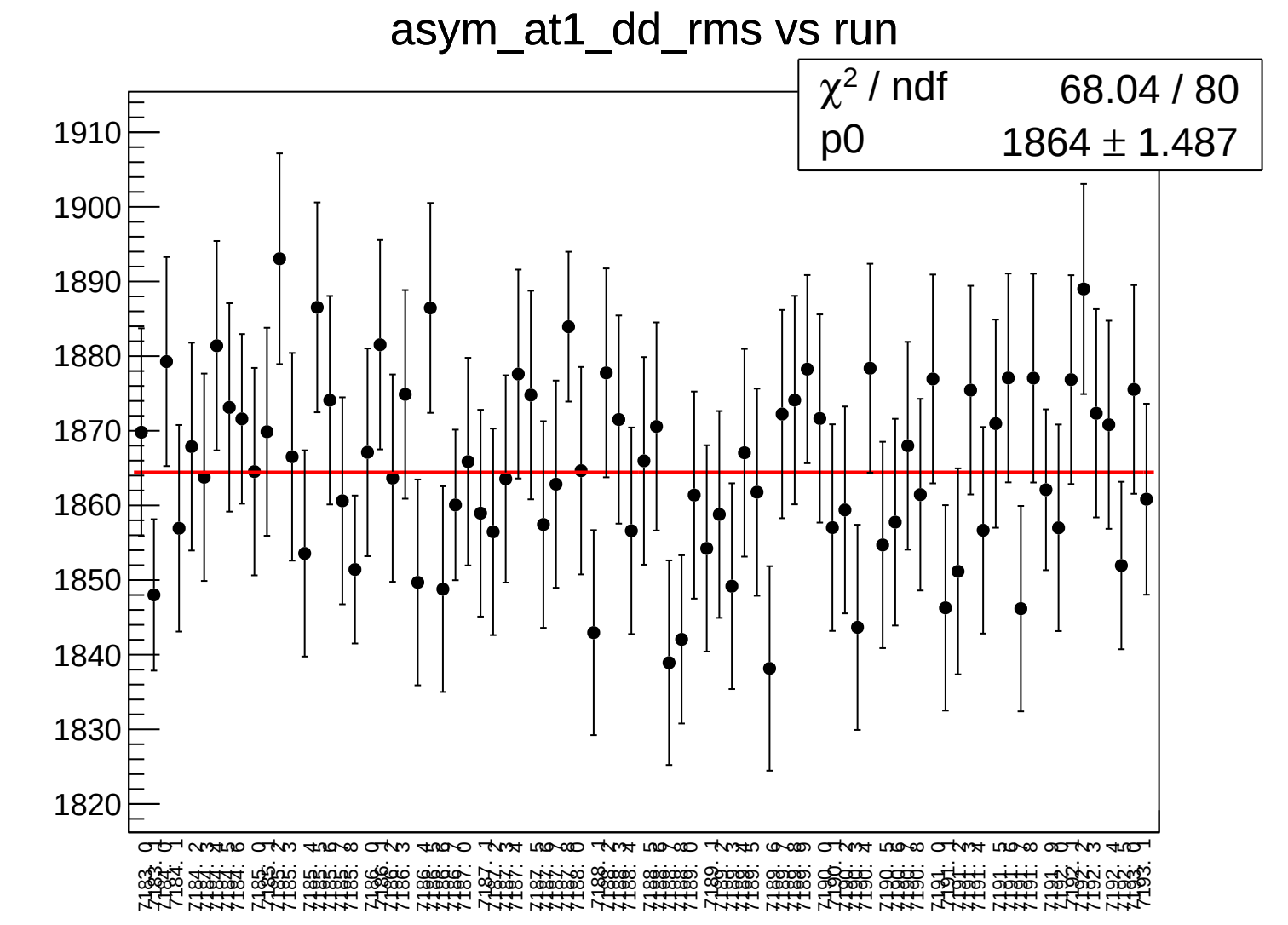

asym_at1_dd_correction_mean vs run
χ² / ndf 92.57 / 80
p0 −144.6 ± 462.9
pull
Entries 81
Mean 630.1
Std Dev 607.3

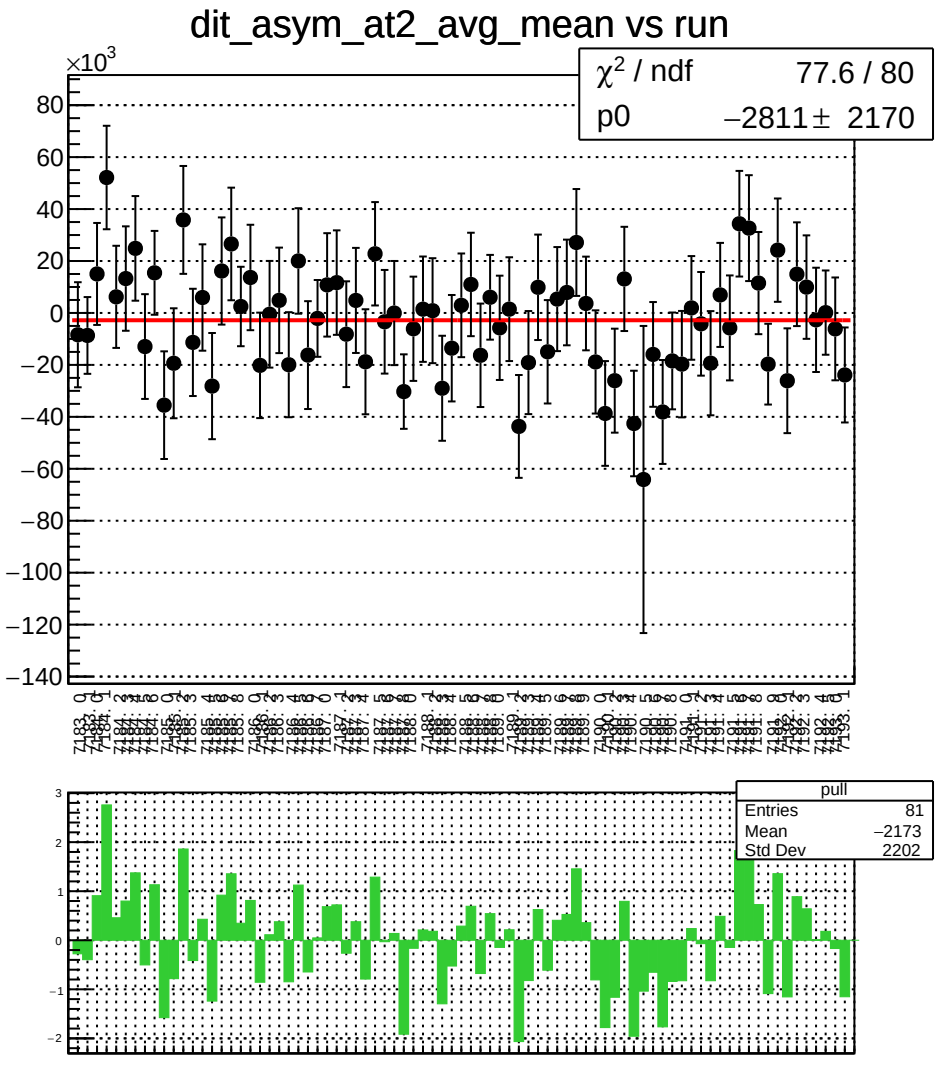

pull1D
Entries 81
Mean −0.002602
Std Dev 1.069

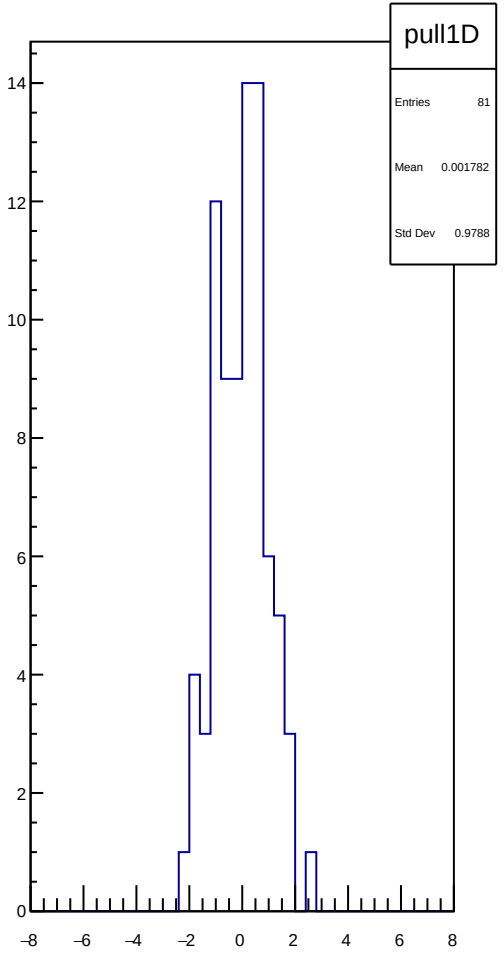

asym_at1_dd_correction_rms vs run
χ² / ndf 3288 / 80
p0 410.1 ± 0.3273
460
440
420
400
380
360

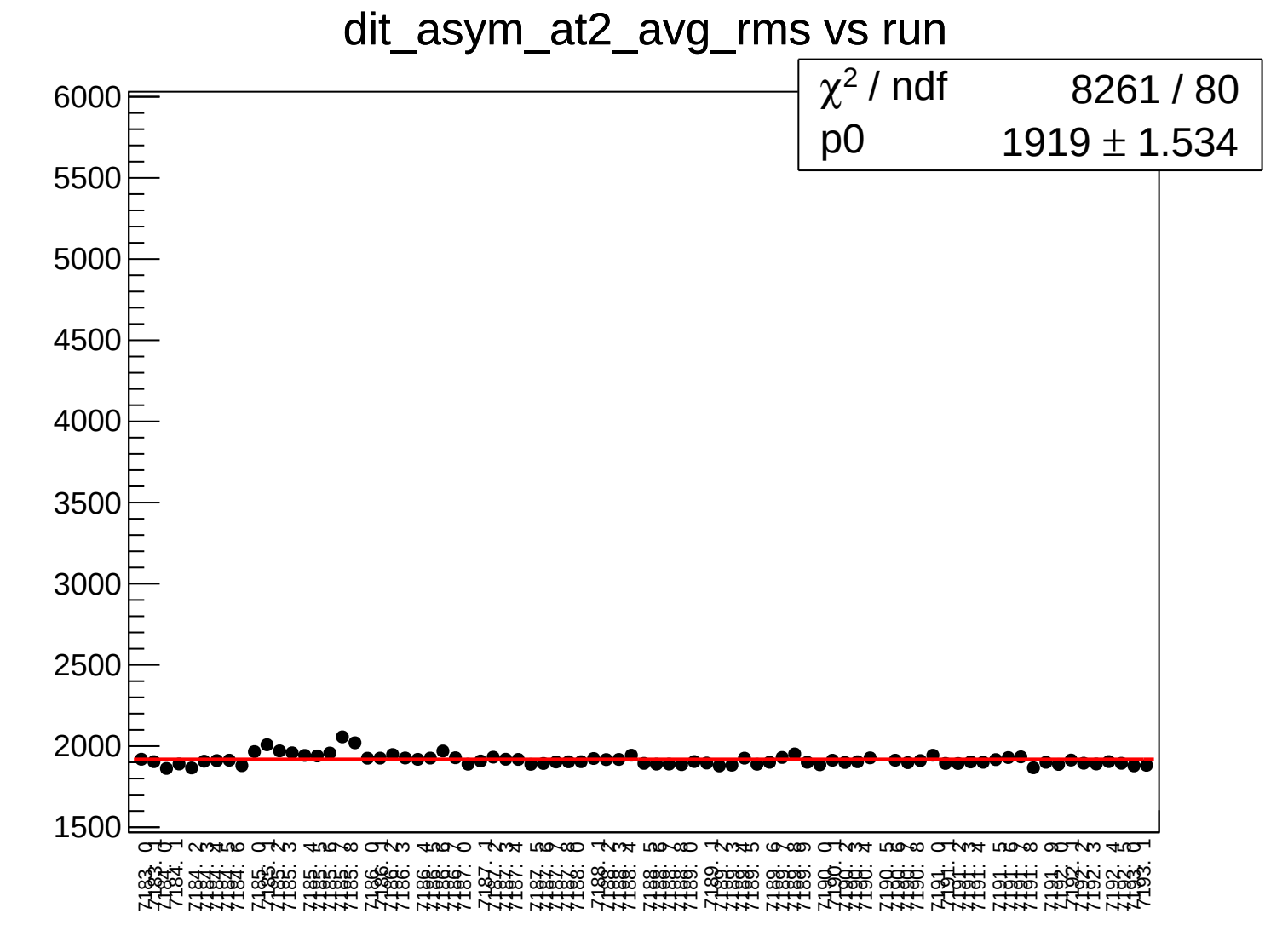

asym_at1_dd_mean vs run
×10^3
χ² / ndf 70.23 / 80
p0 −2945 ± 2103
pull
Entries 81
Mean 1762
Std Dev 1720

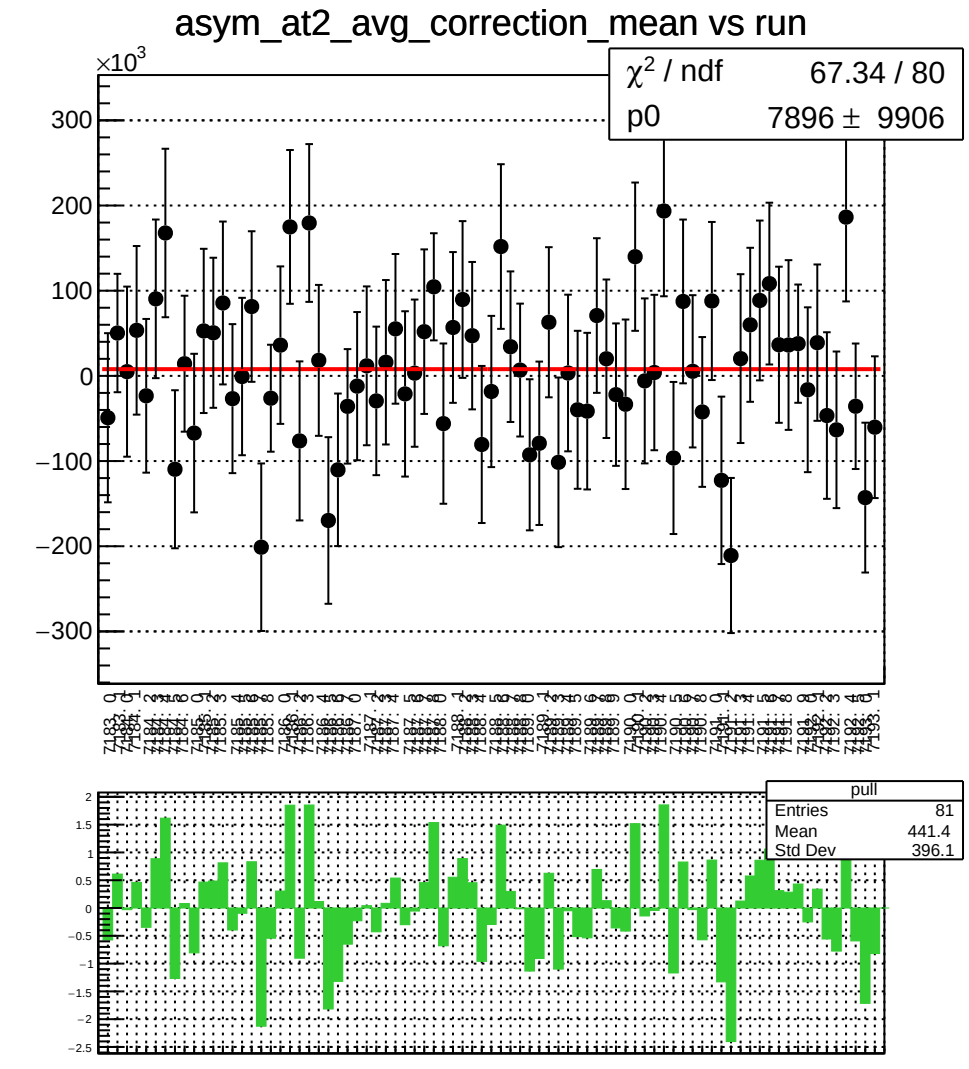

pull1D
Entries 81
Mean −0.002308
Std Dev 0.9312

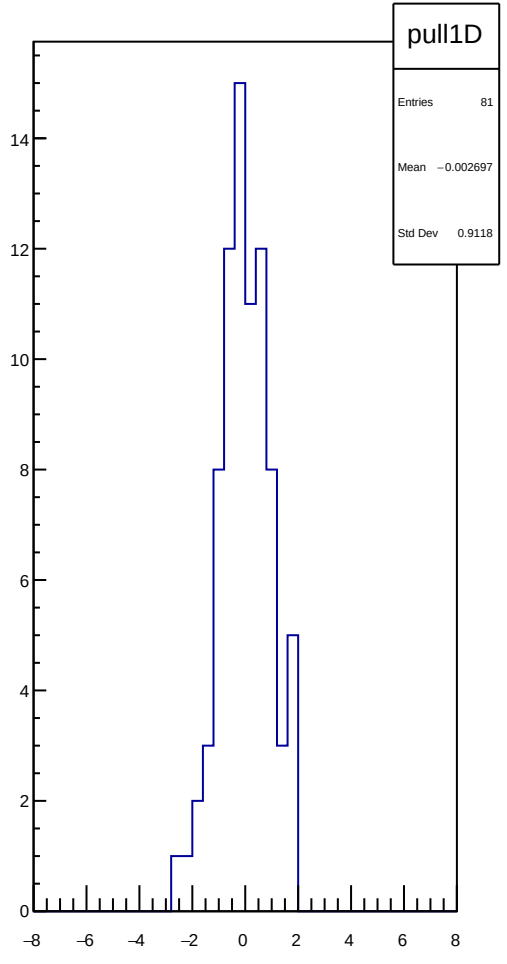

asym_at1_dd_rms vs run
$\chi^2$ / ndf 68.04 / 80
p0 1864 ± 1.487
1910
1900
1890
1880
1870
1860
1850
1840
1830
1820

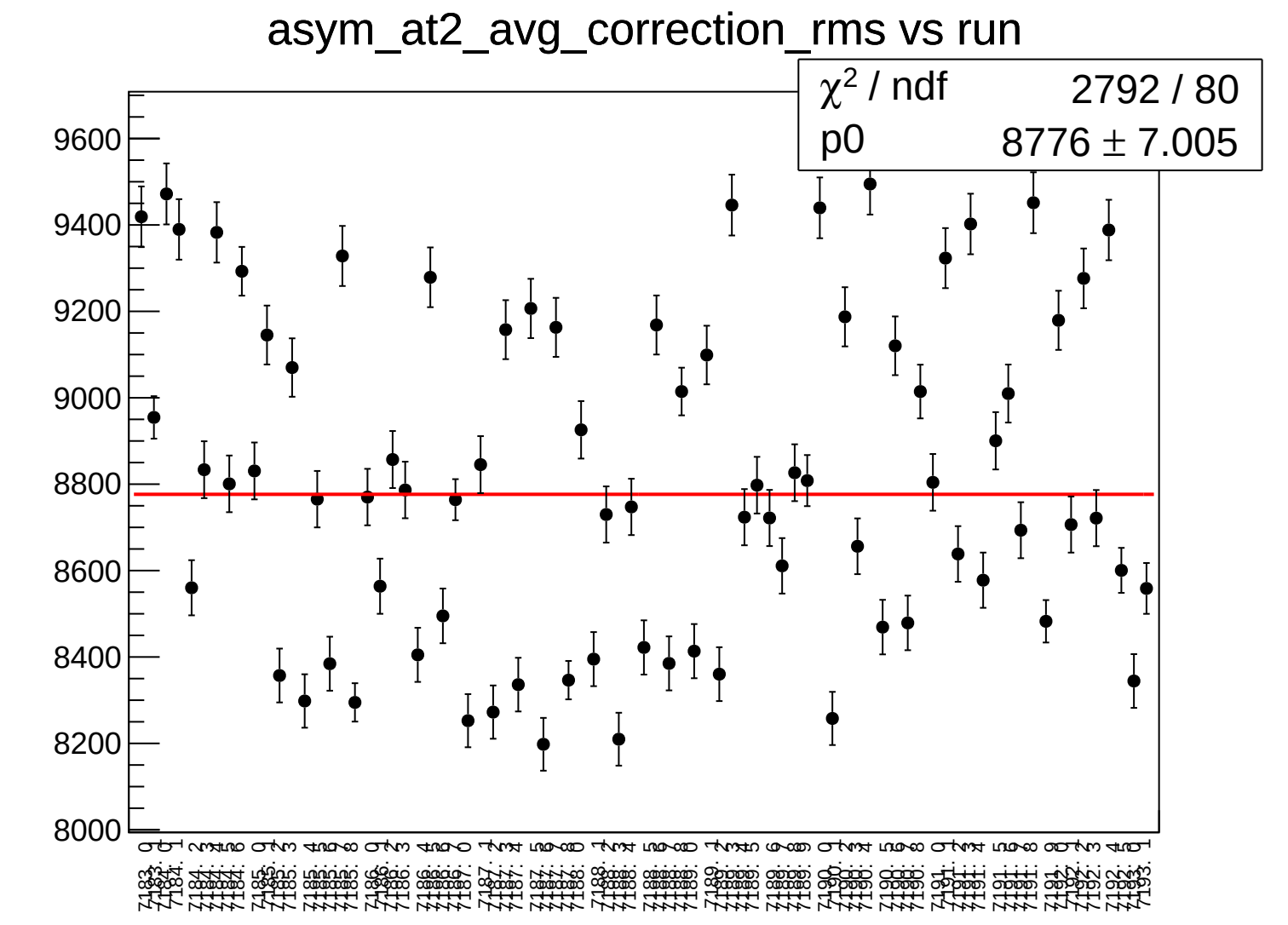

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 77.6 / 80
p0 −2811 ± 2170
pull
Entries 81
Mean −2173
Std Dev 2202

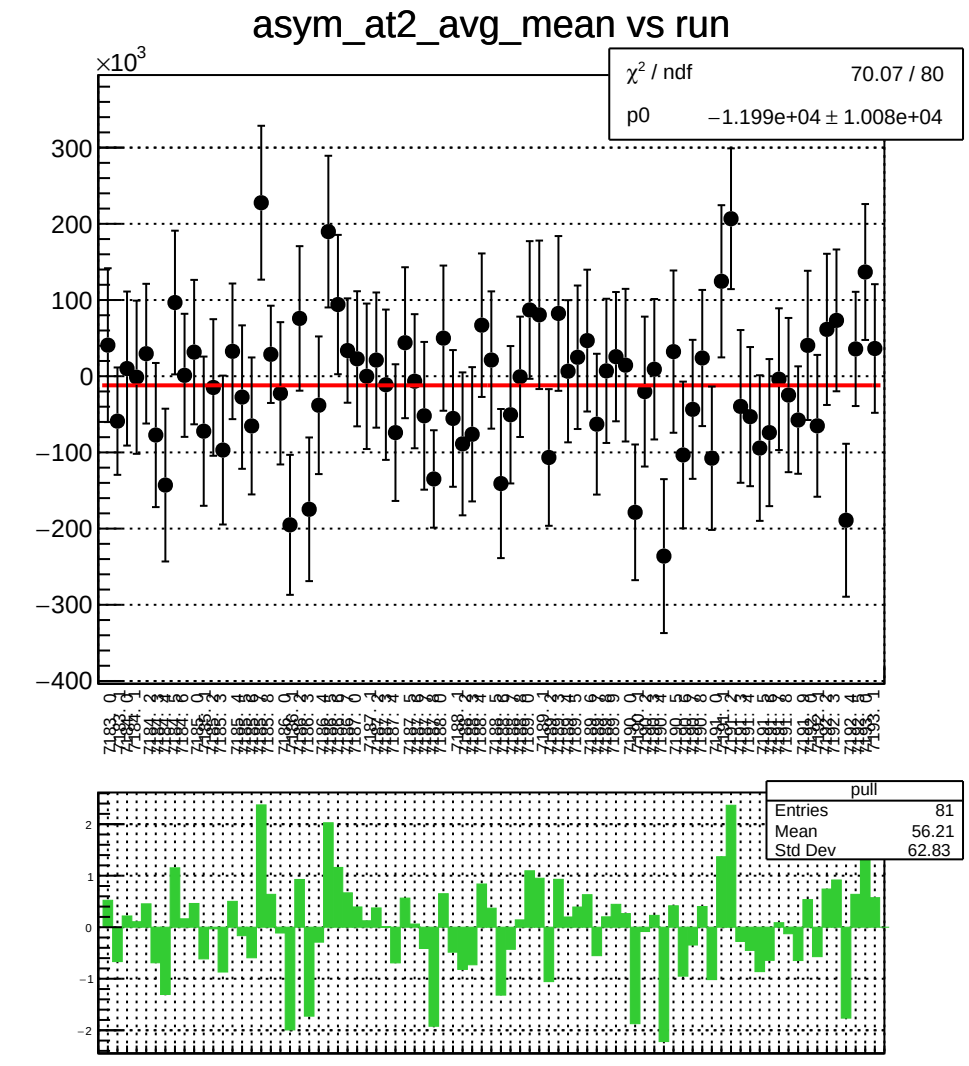

pull1D
Entries 81
Mean 0.001782
Std Dev 0.9788

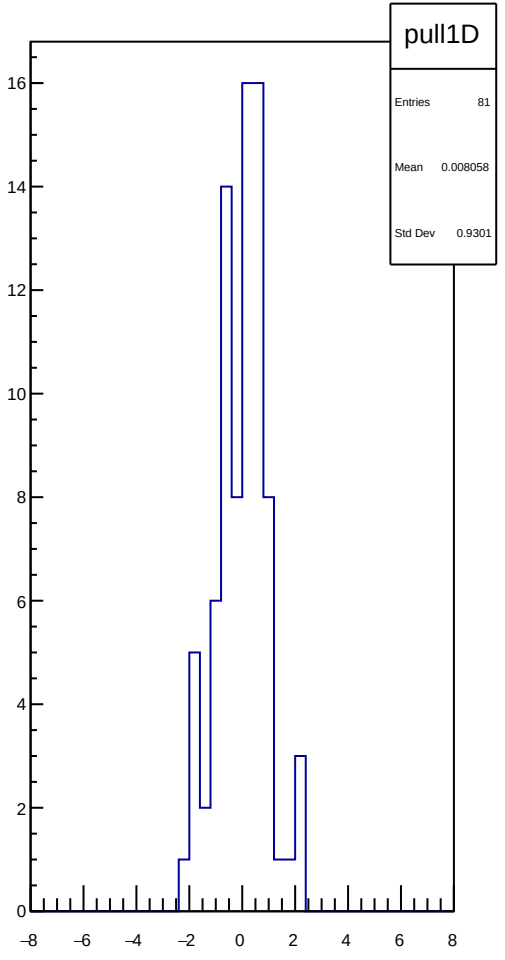

dit_asym_at2_avg_rms vs run
$\chi^2$ / ndf 8261 / 80
p0 1919 ± 1.534
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

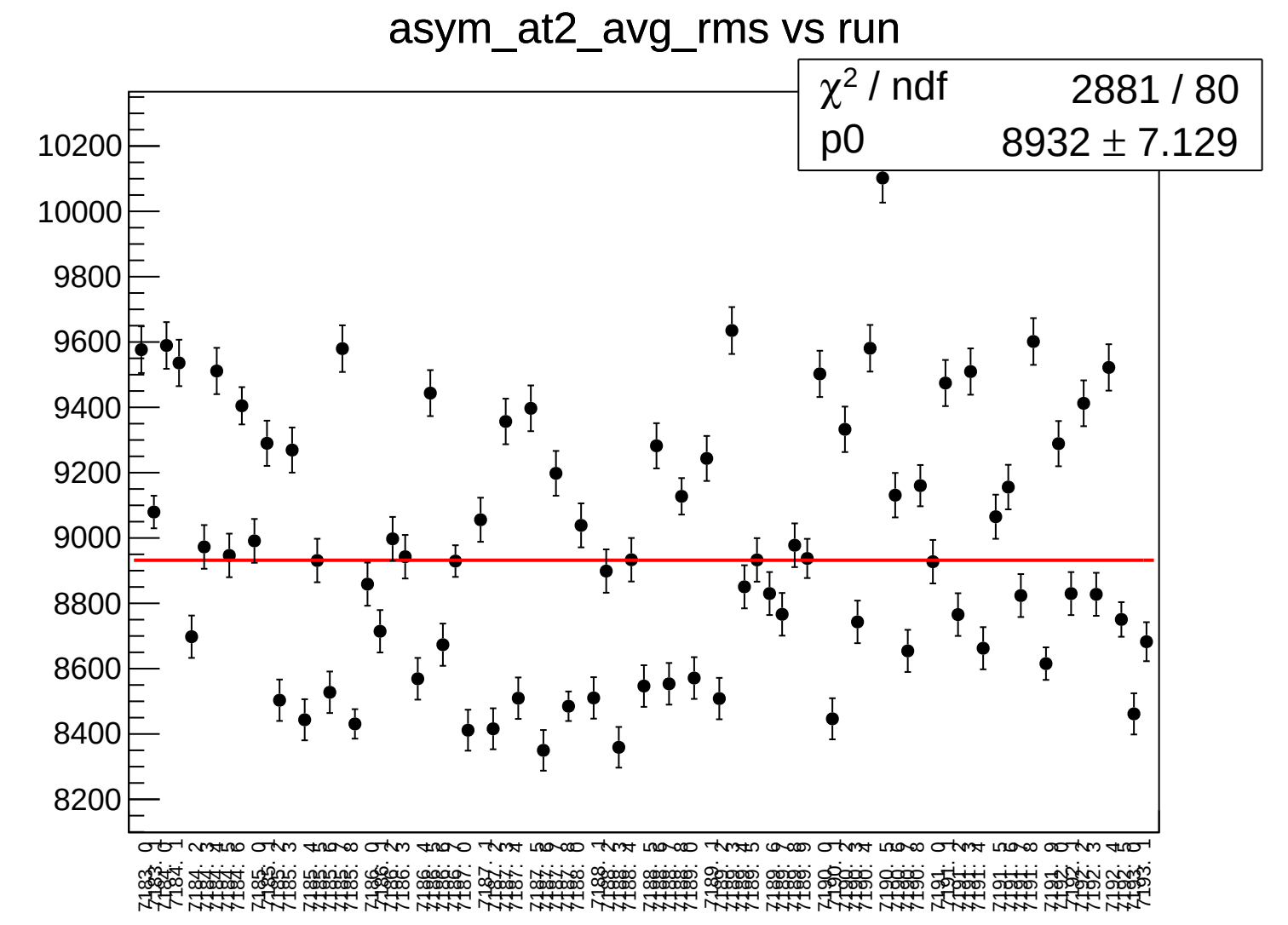

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 67.34 / 80
p0 7896 ± 9906
300
200
100
0
−100
−200
−300
pull
Entries 81
Mean 441.4
Std Dev 396.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

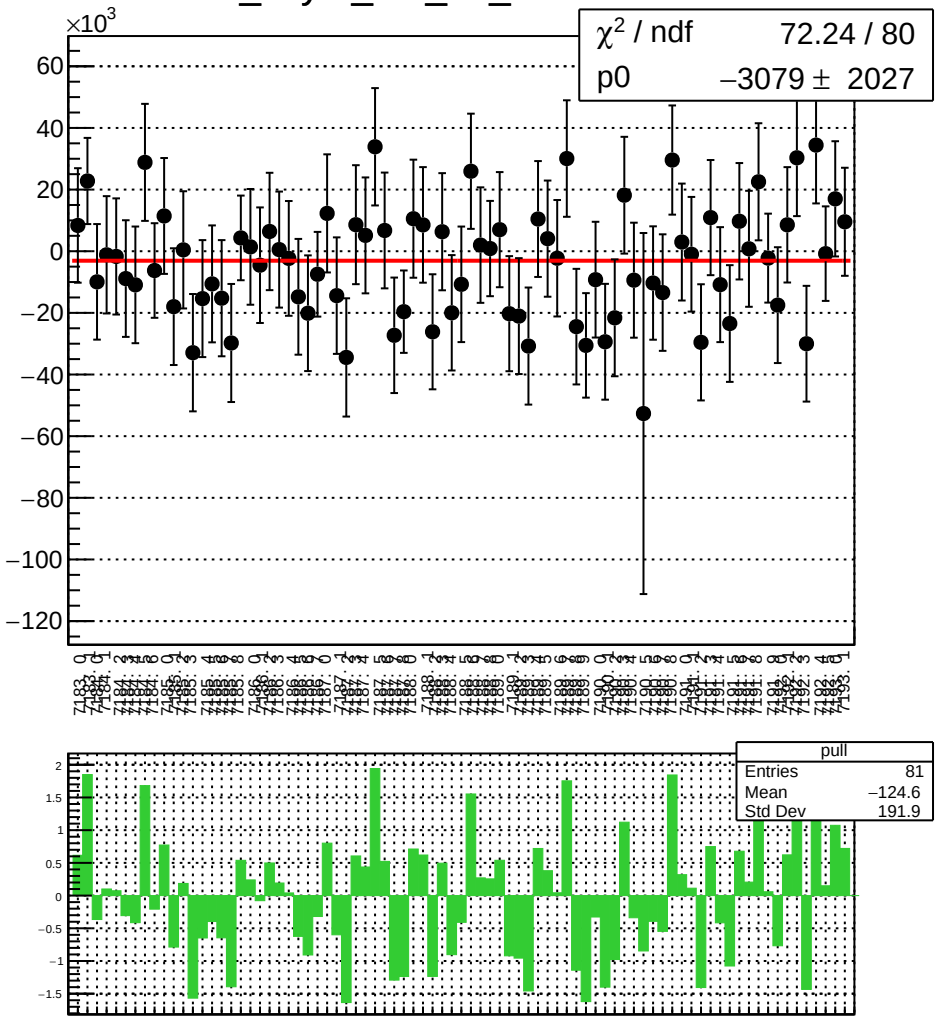

pull1D
Entries 81
Mean −0.002697
Std Dev 0.9118
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

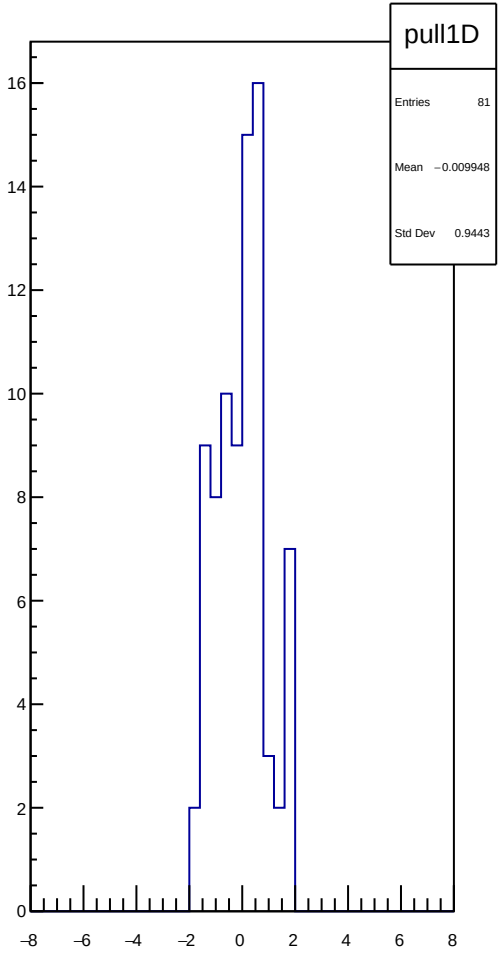

asym_at2_avg_correction_rms vs run
χ² / ndf 2792 / 80
p0 8776 ± 7.005
9600
9400
9200
9000
8800
8600
8400
8200
8000

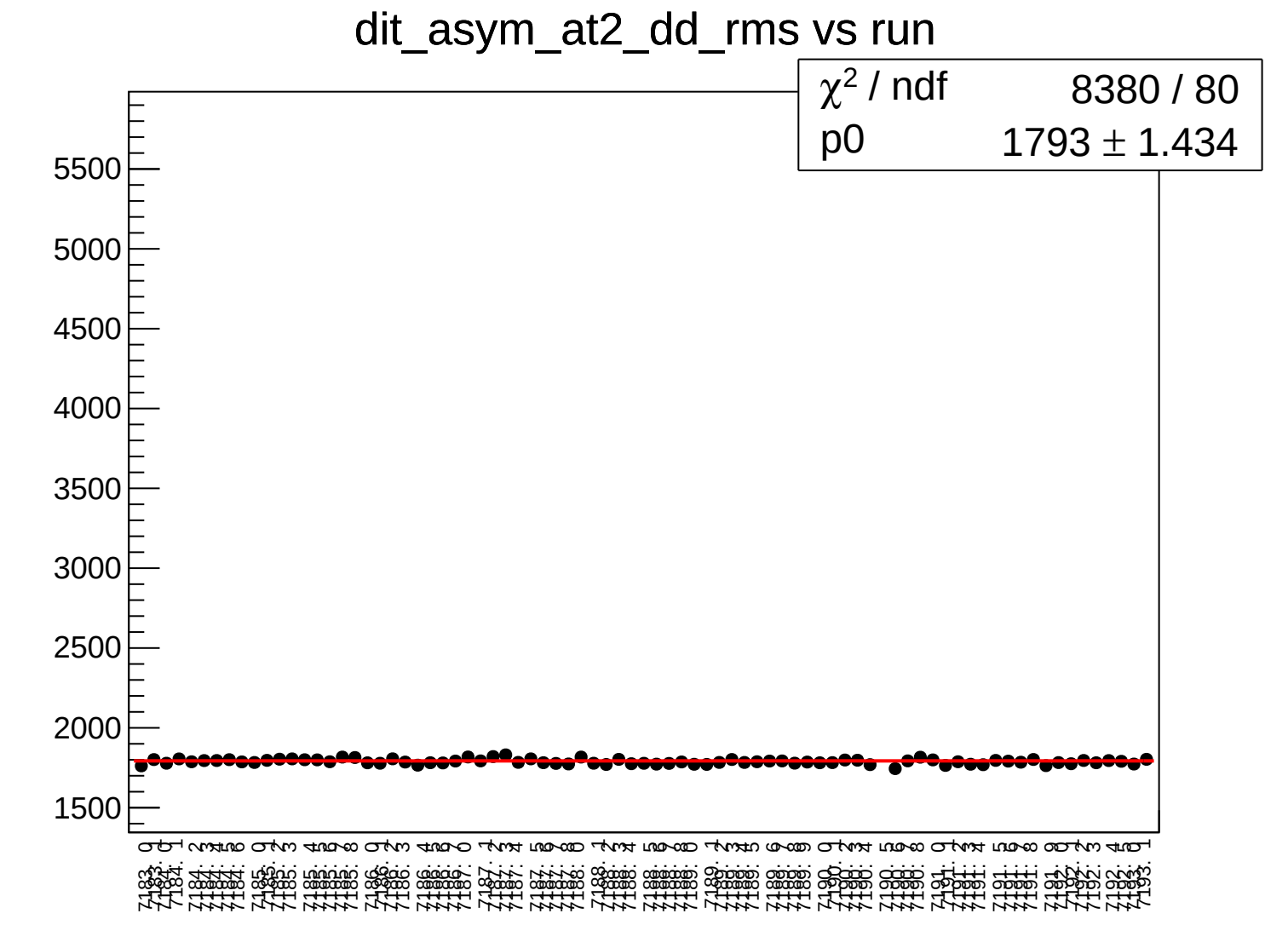

asym_at2_avg_mean vs run
×10^3
χ² / ndf 70.07 / 80
p0 −1.199e+04 ± 1.008e+04
pull
Entries 81
Mean 56.21
Std Dev 62.83

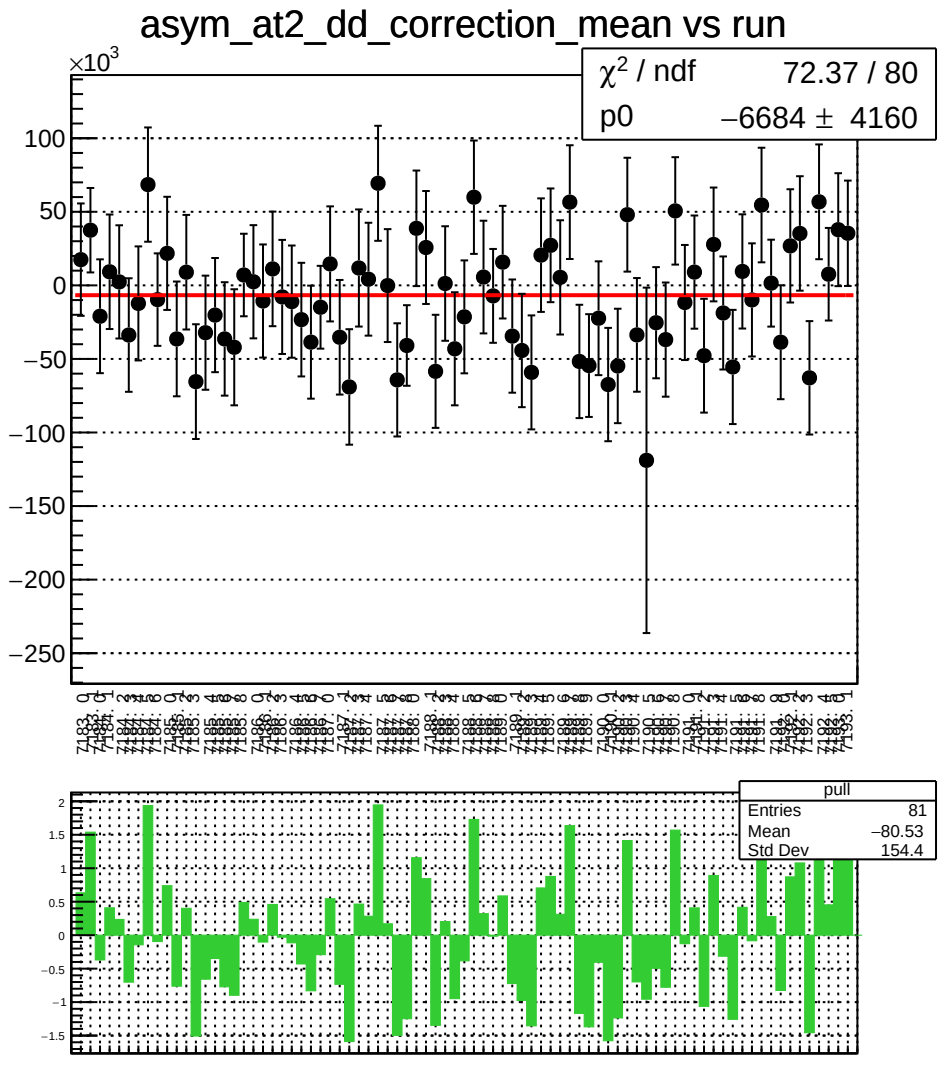

pull1D
Entries 81
Mean 0.008058
Std Dev 0.9301

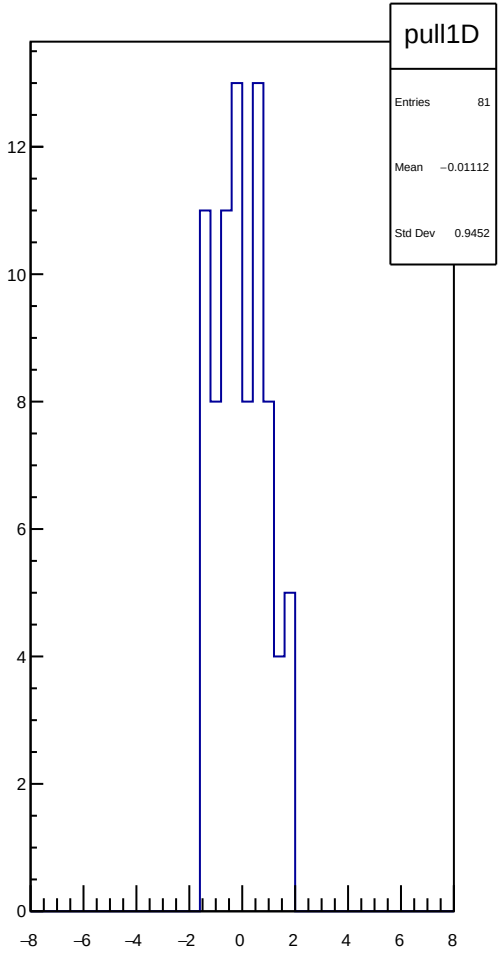

asym_at2_avg_rms vs run
$\chi^2$ / ndf 2881 / 80
p0 8932 ± 7.129
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200

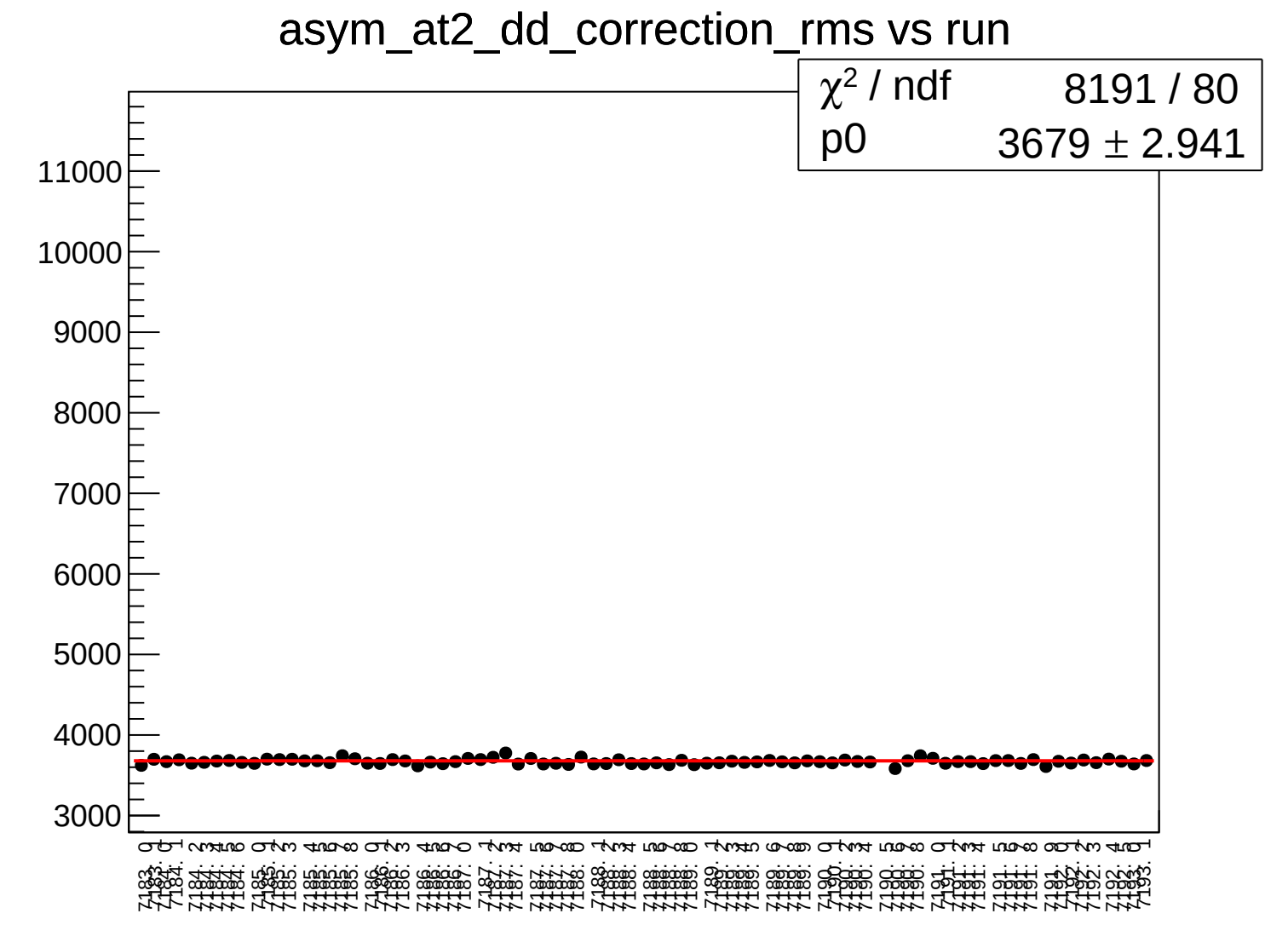

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 72.24 / 80
p0 −3079 ± 2027
pull
Entries 81
Mean −124.6
Std Dev 191.9

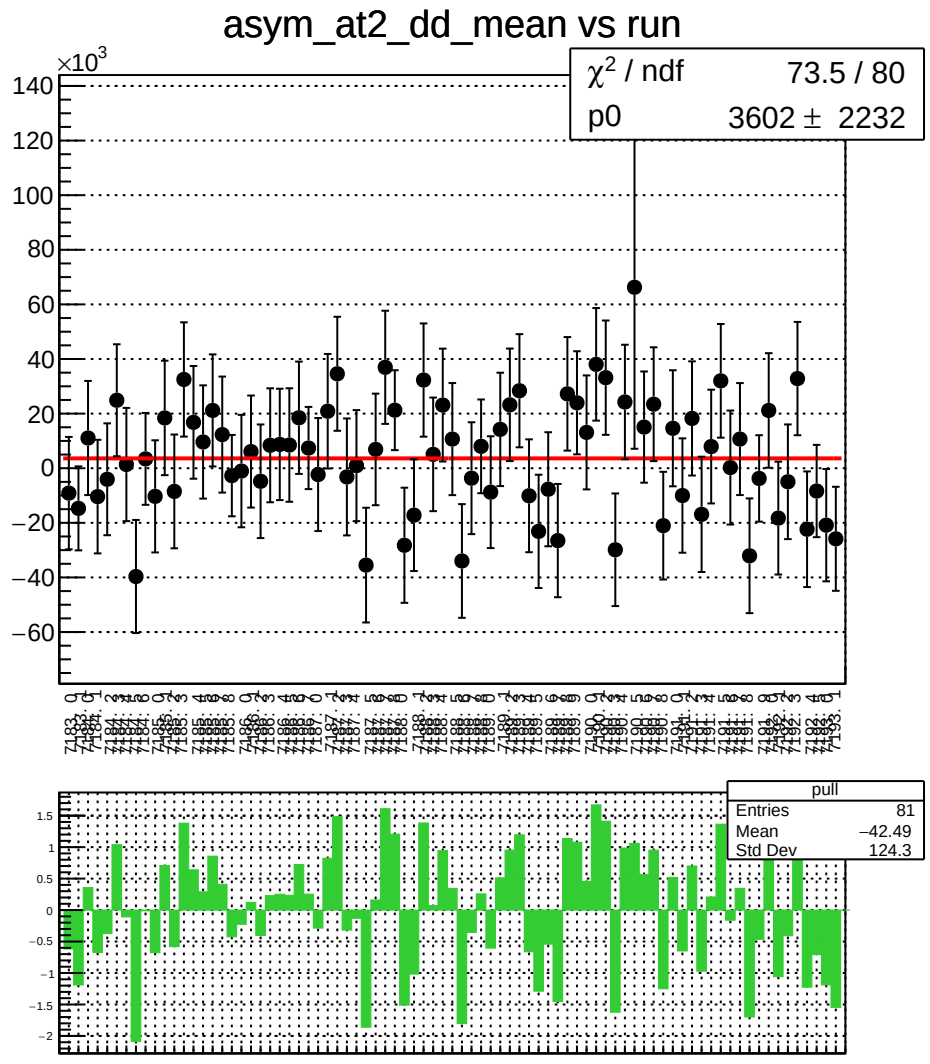

pull1D
Entries 81
Mean −0.009948
Std Dev 0.9443

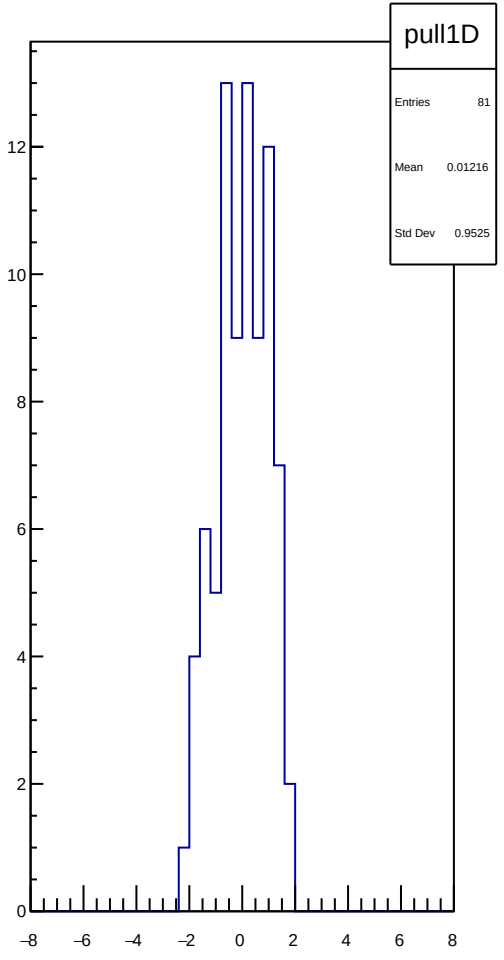

dit_asym_at2_dd_rms vs run
$\chi^2$ / ndf 8380 / 80
p0 1793 ± 1.434
5500
5000
4500
4000
3500
3000
2500
2000
1500

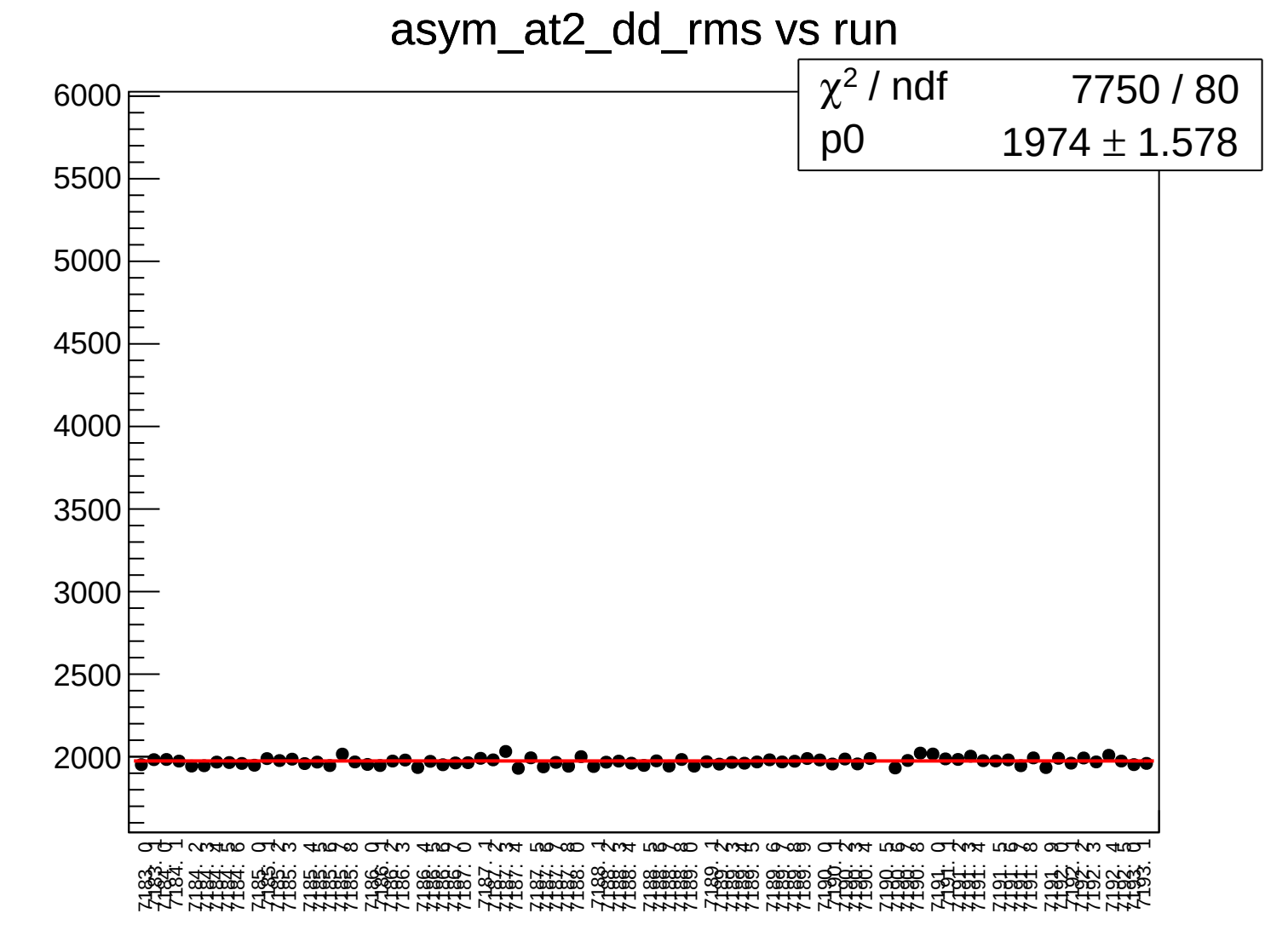

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 72.37 / 80
p0 −6684 ± 4160
100
50
0
−50
−100
−150
−200
−250
pull
Entries 81
Mean −80.53
Std Dev 154.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

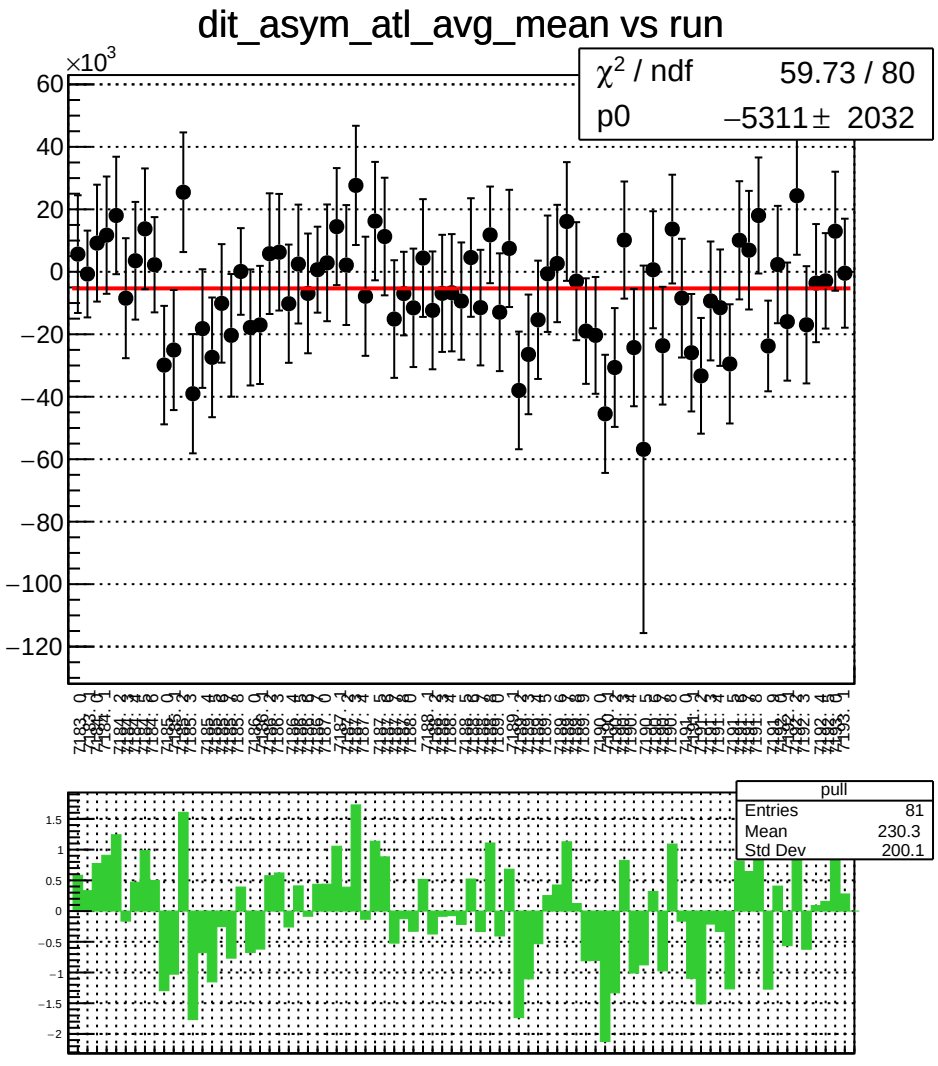

pull1D
Entries 81
Mean −0.01112
Std Dev 0.9452
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

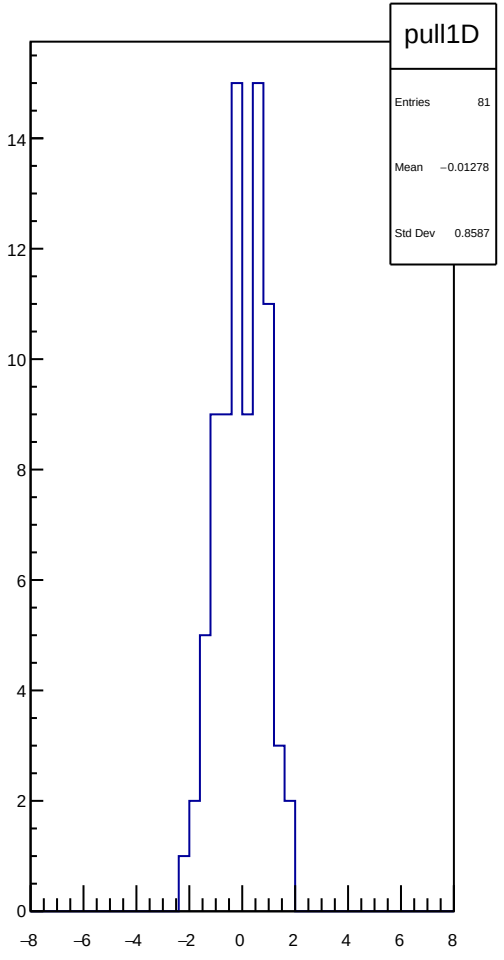

asym_at2_dd_correction_rms vs run
χ² / ndf 8191 / 80
p0 3679 ± 2.941
11000
10000
9000
8000
7000
6000
5000
4000
3000

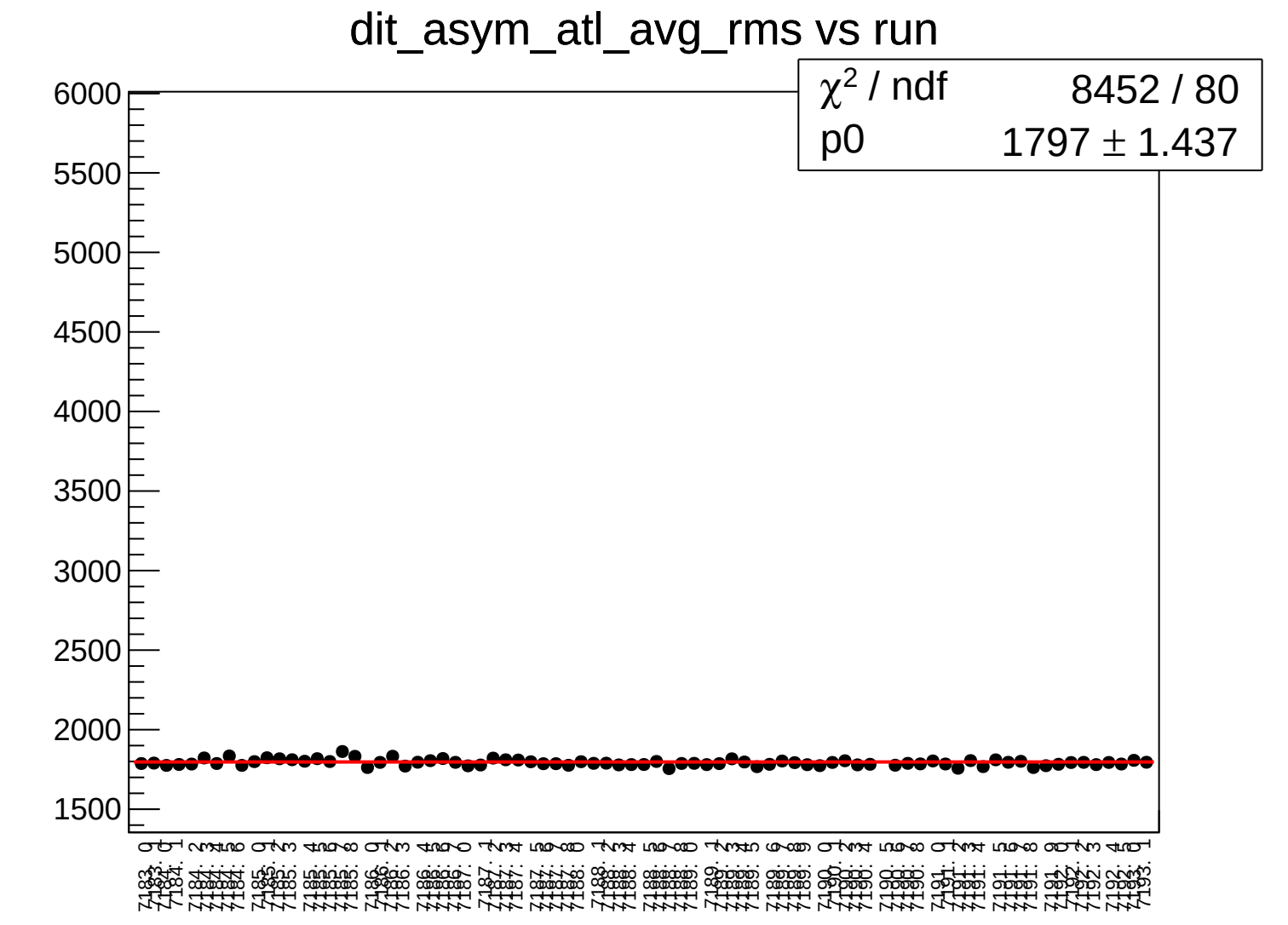

asym_at2_dd_mean vs run
×10^3
χ² / ndf 73.5 / 80
p0 3602 ± 2232
pull
Entries 81
Mean −42.49
Std Dev 124.3

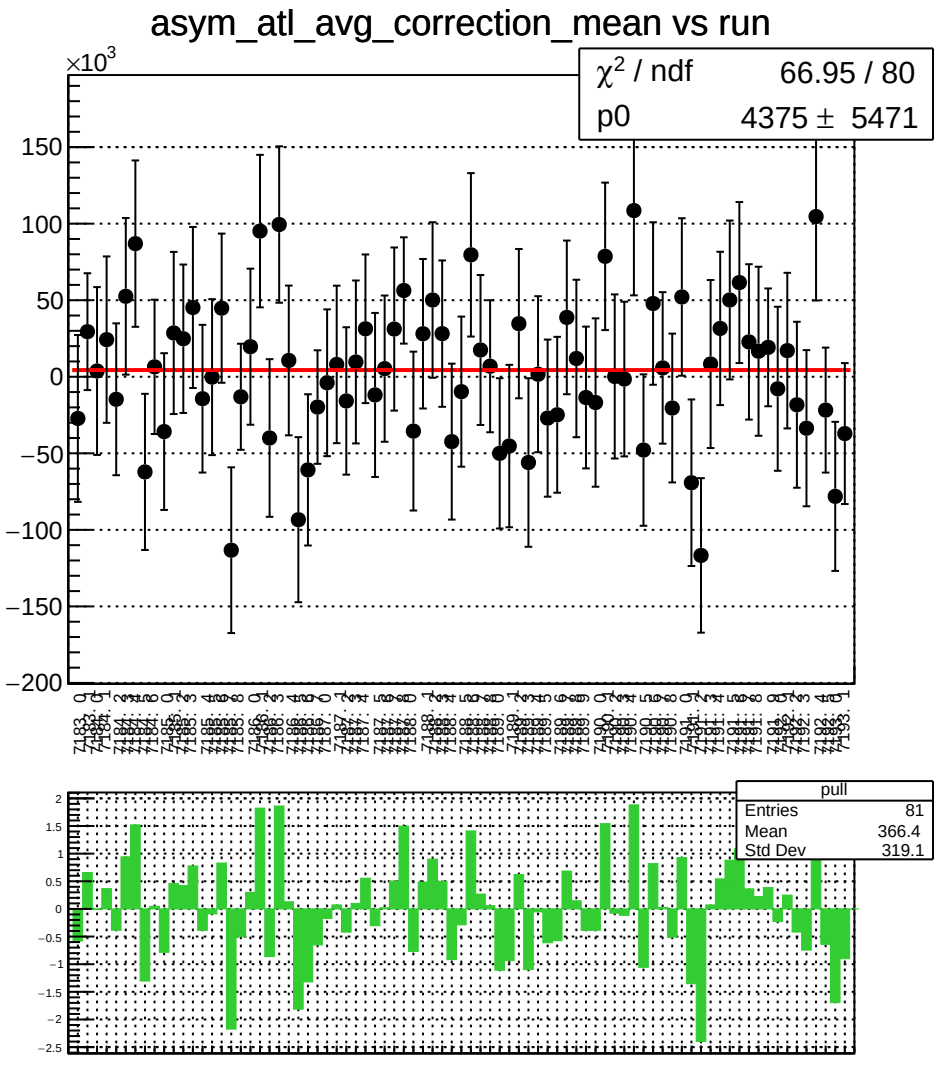

pull1D
Entries 81
Mean 0.01216
Std Dev 0.9525

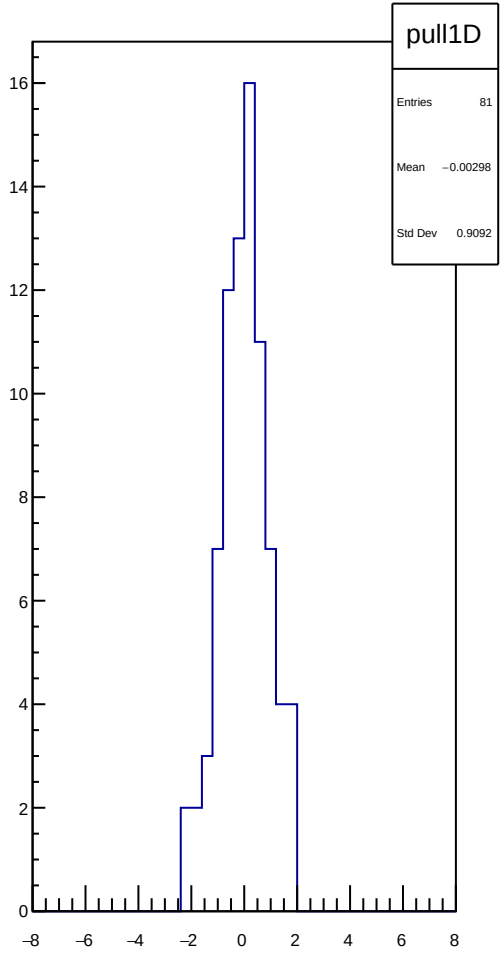

asym_at2_dd_rms vs run
$\chi^2$ / ndf 7750 / 80
p0 1974 ± 1.578
6000
5500
5000
4500
4000
3500
3000
2500
2000

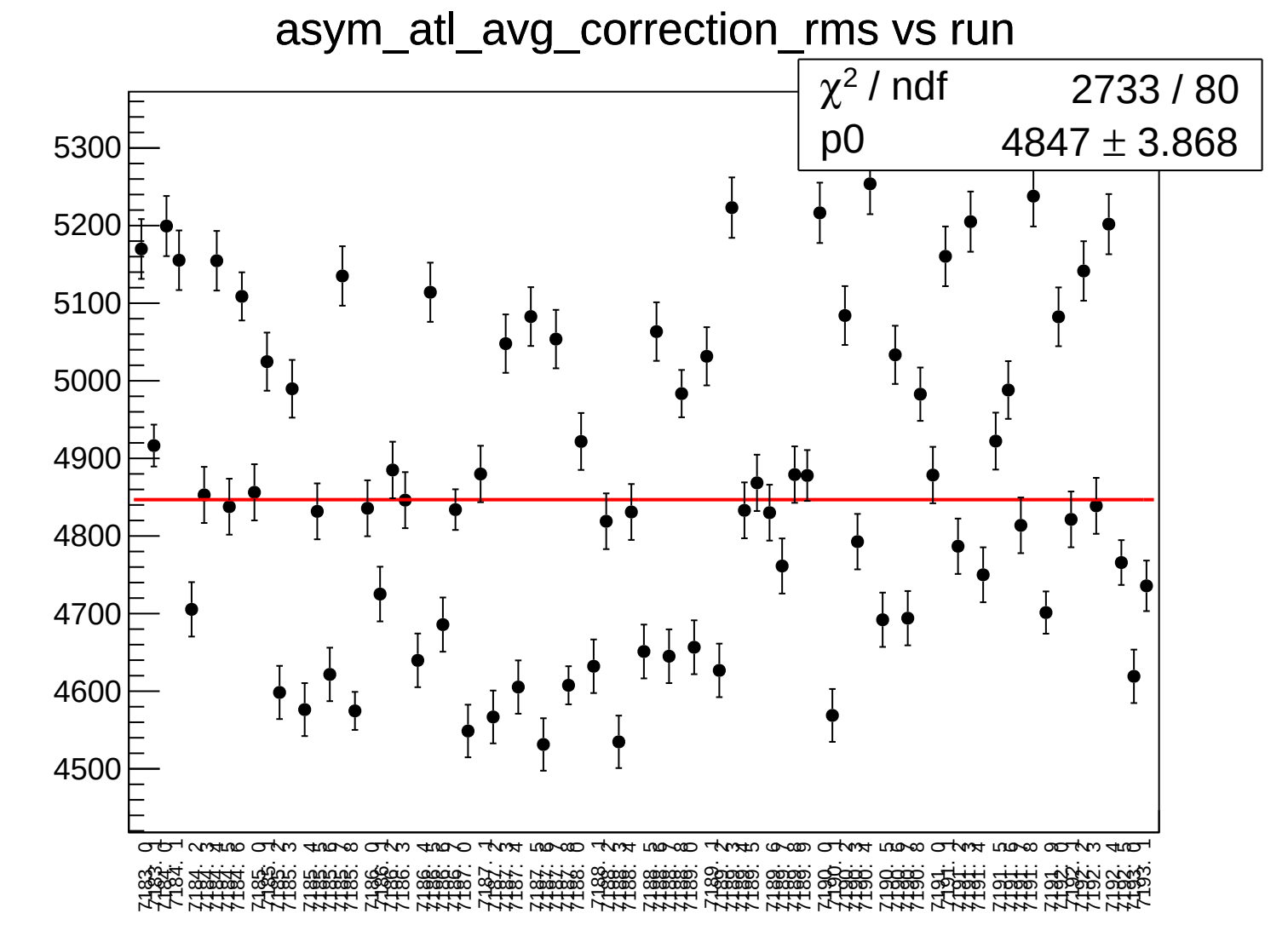

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 59.73 / 80
p0 −5311 ± 2032
pull
Entries 81
Mean 230.3
Std Dev 200.1

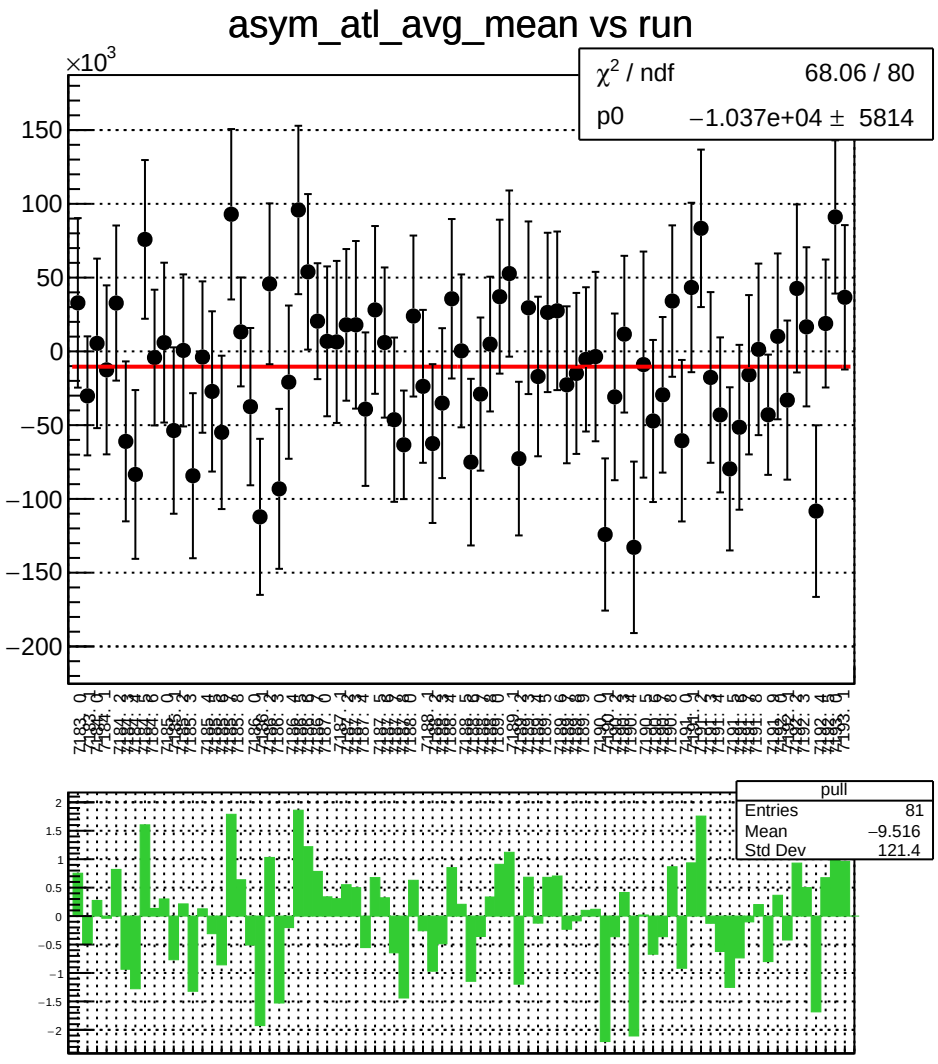

pull1D
Entries 81
Mean −0.01278
Std Dev 0.8587

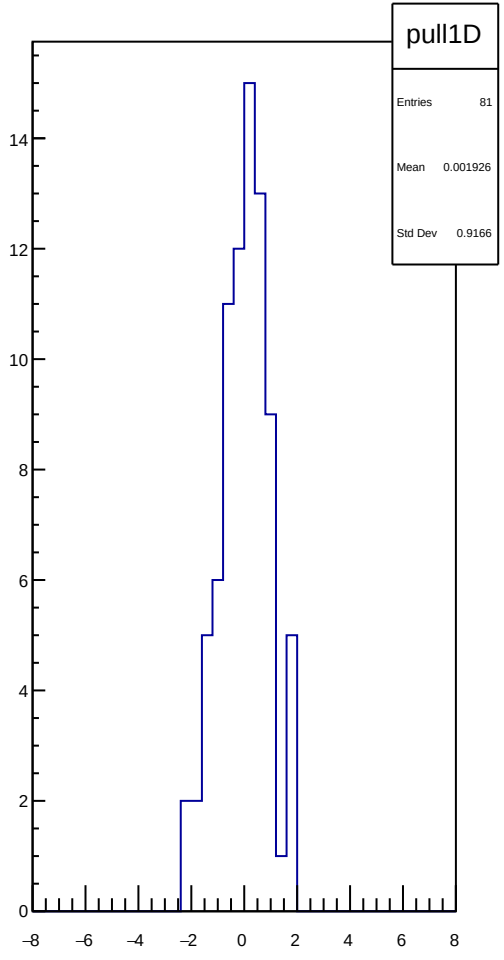

dit_asym_atl_avg_rms vs run
χ² / ndf 8452 / 80
p0 1797 ± 1.437
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

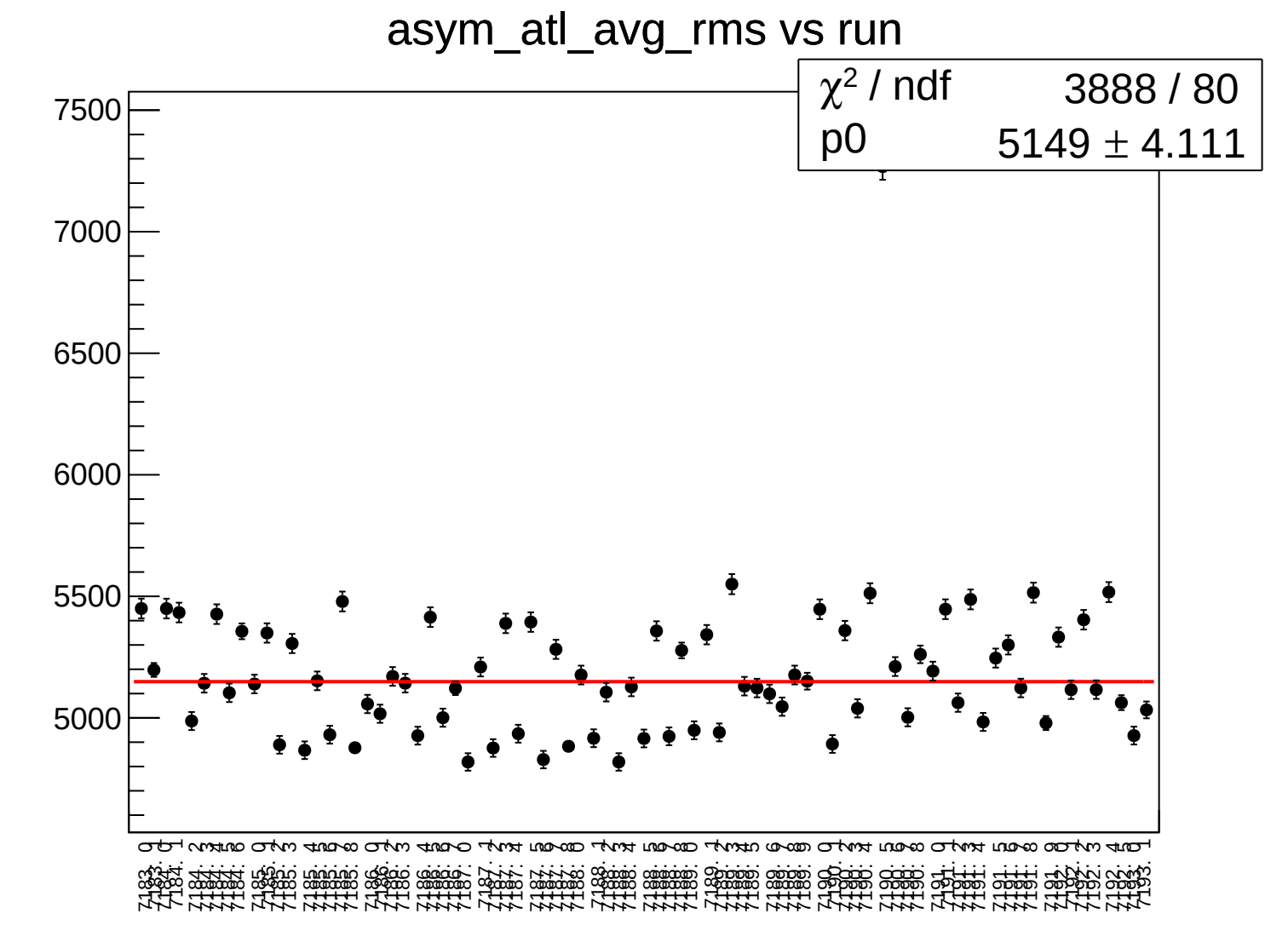

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 66.95 / 80
p0 4375 ± 5471
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean 366.4
Std Dev 319.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

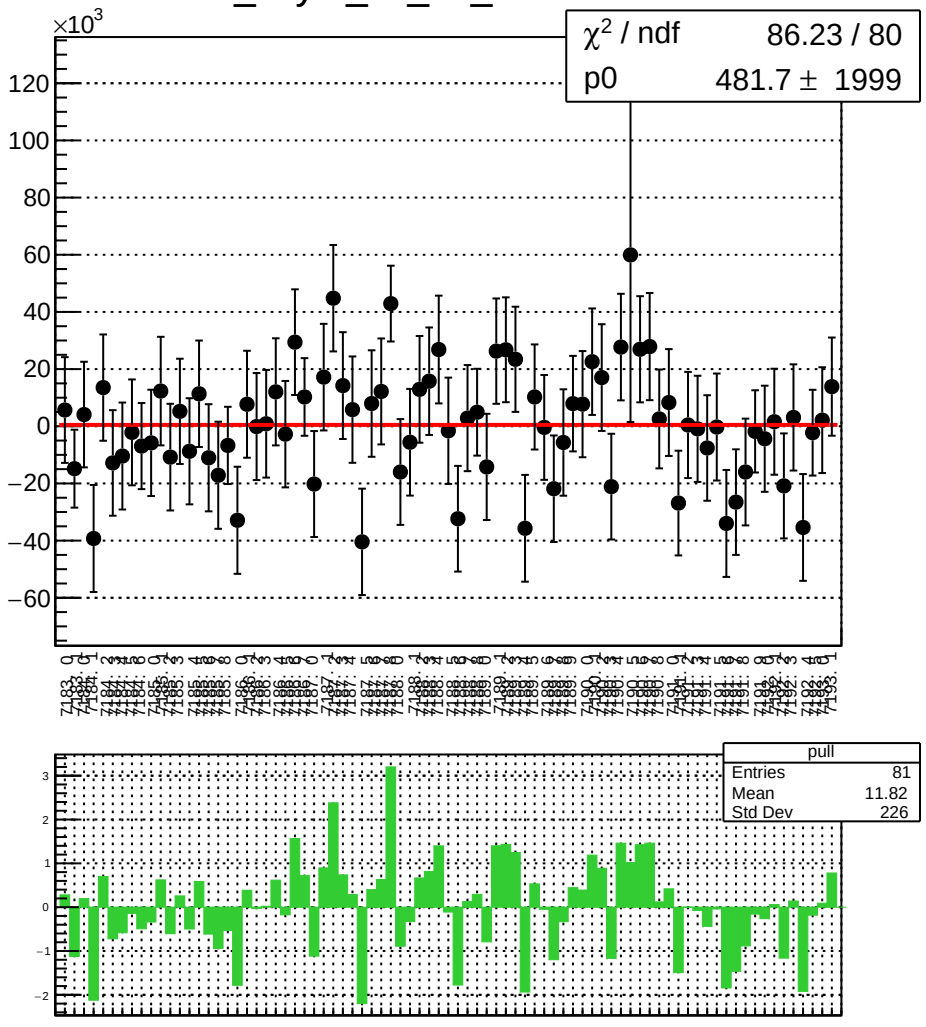

pull1D
Entries 81
Mean −0.00298
Std Dev 0.9092
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

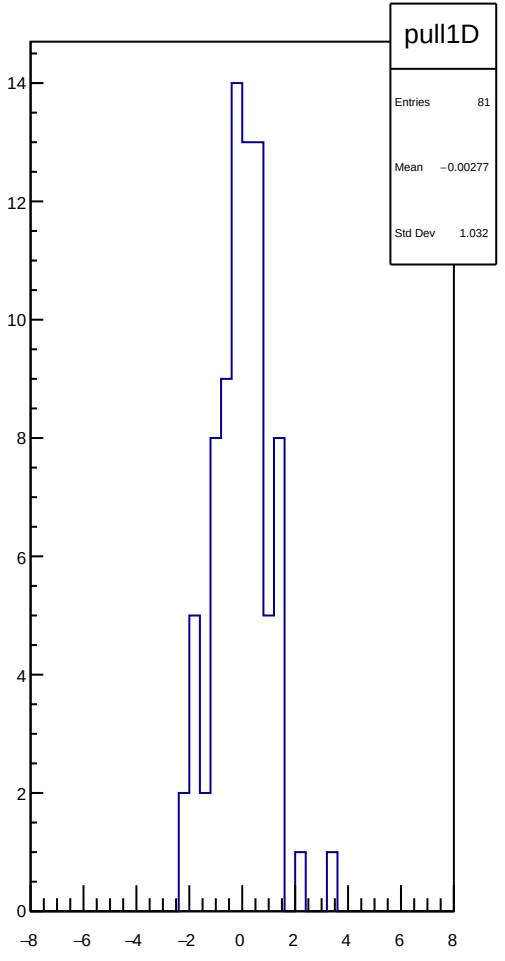

asym_atl_avg_correction_rms vs run
χ² / ndf 2733 / 80
p0 4847 ± 3.868
5300
5200
5100
5000
4900
4800
4700
4600
4500

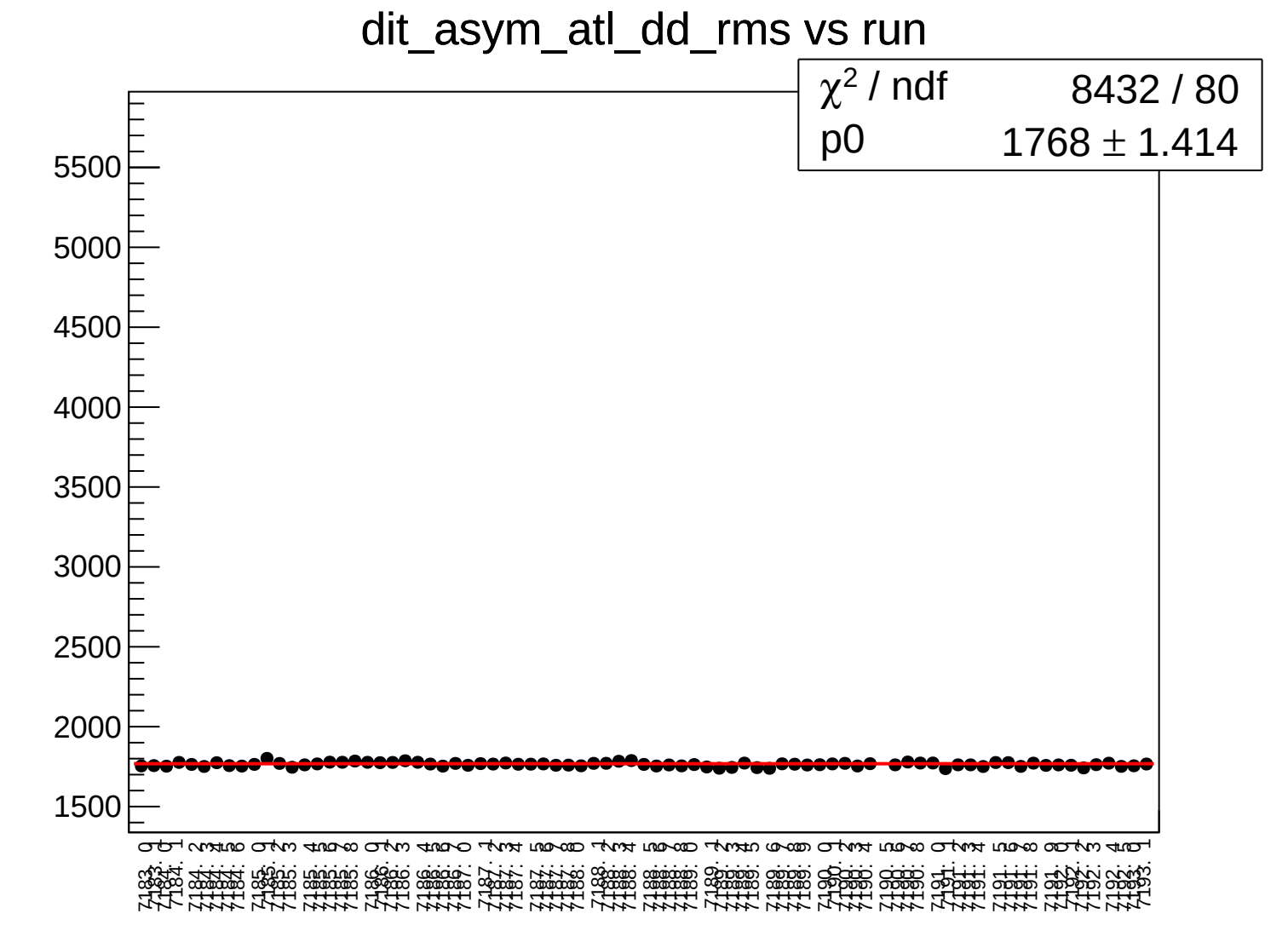

asym_atl_avg_mean vs run
×10^3
χ² / ndf 68.06 / 80
p0 −1.037e+04 ± 5814
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean −9.516
Std Dev 121.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

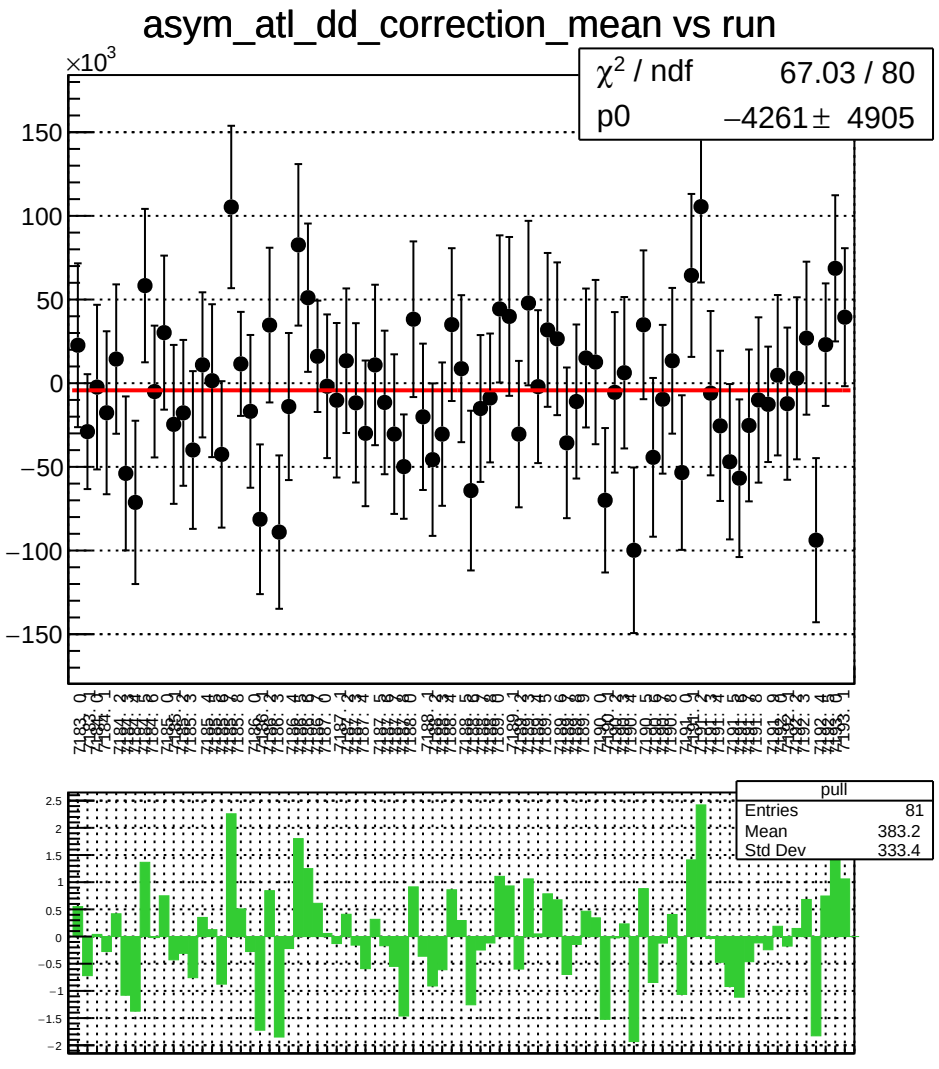

pull1D
Entries 81
Mean 0.001926
Std Dev 0.9166
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

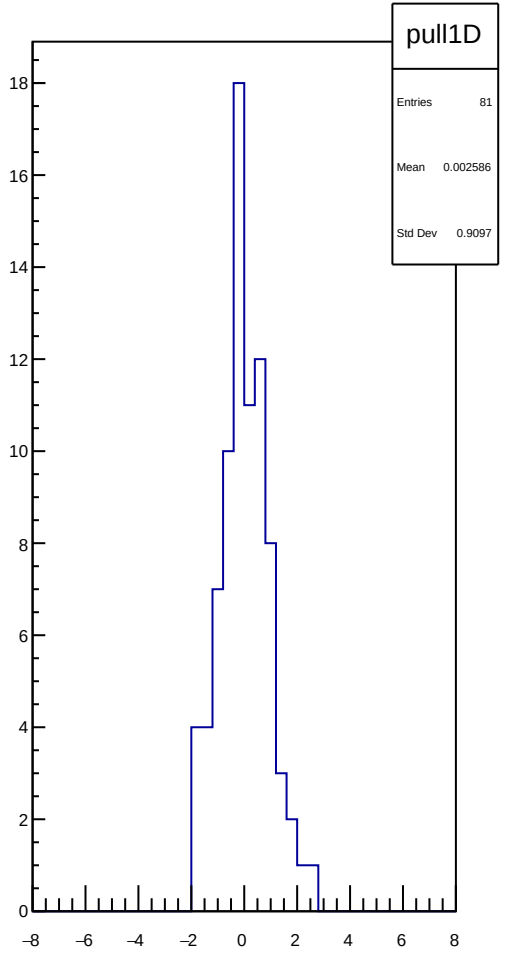

asym_atl_avg_rms vs run
$\chi^2$ / ndf 3888 / 80
p0 5149 ± 4.111
7500
7000
6500
6000
5500
5000

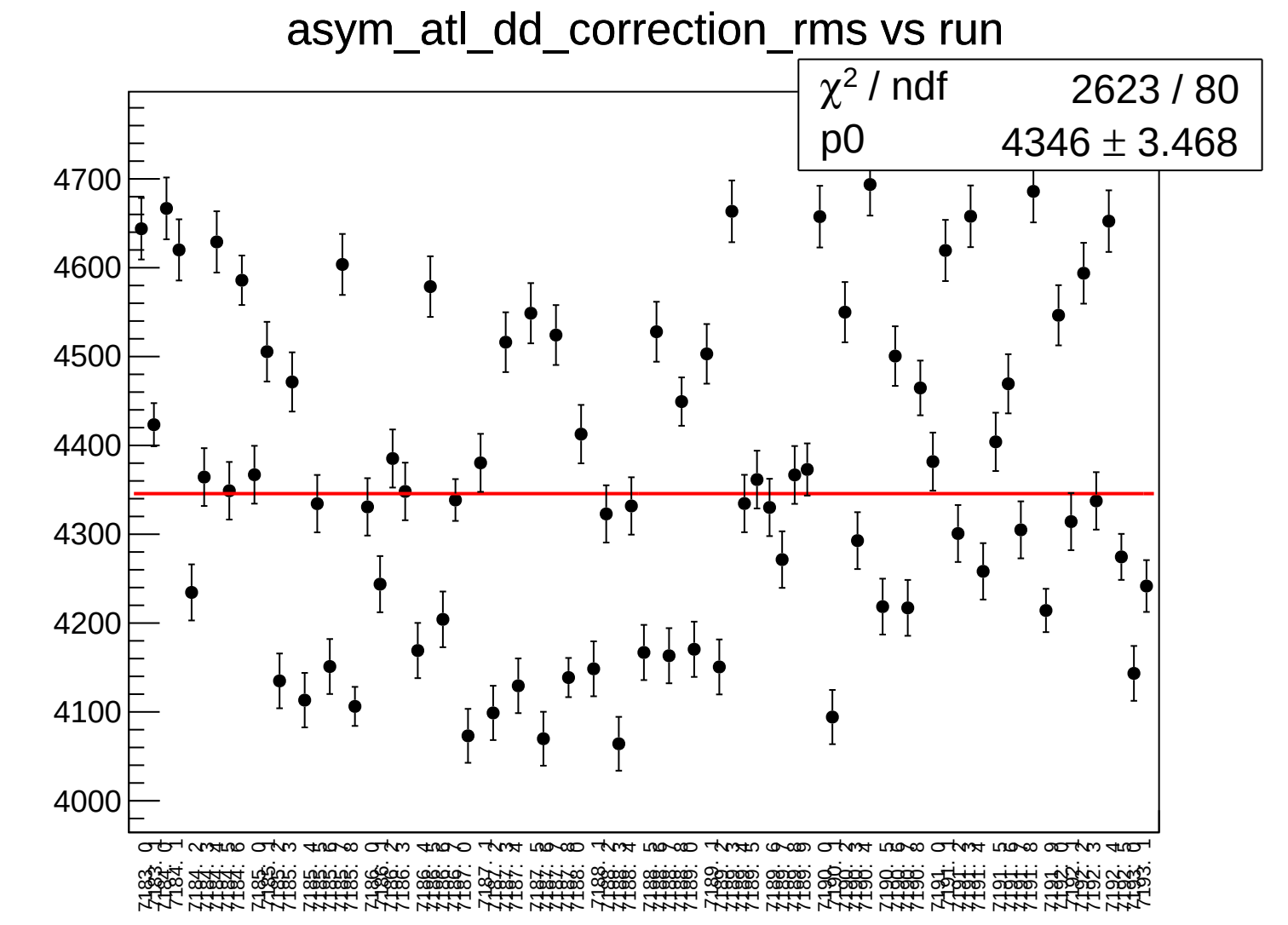

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 86.23 / 80
p0 481.7 ± 1999
pull
Entries 81
Mean 11.82
Std Dev 226

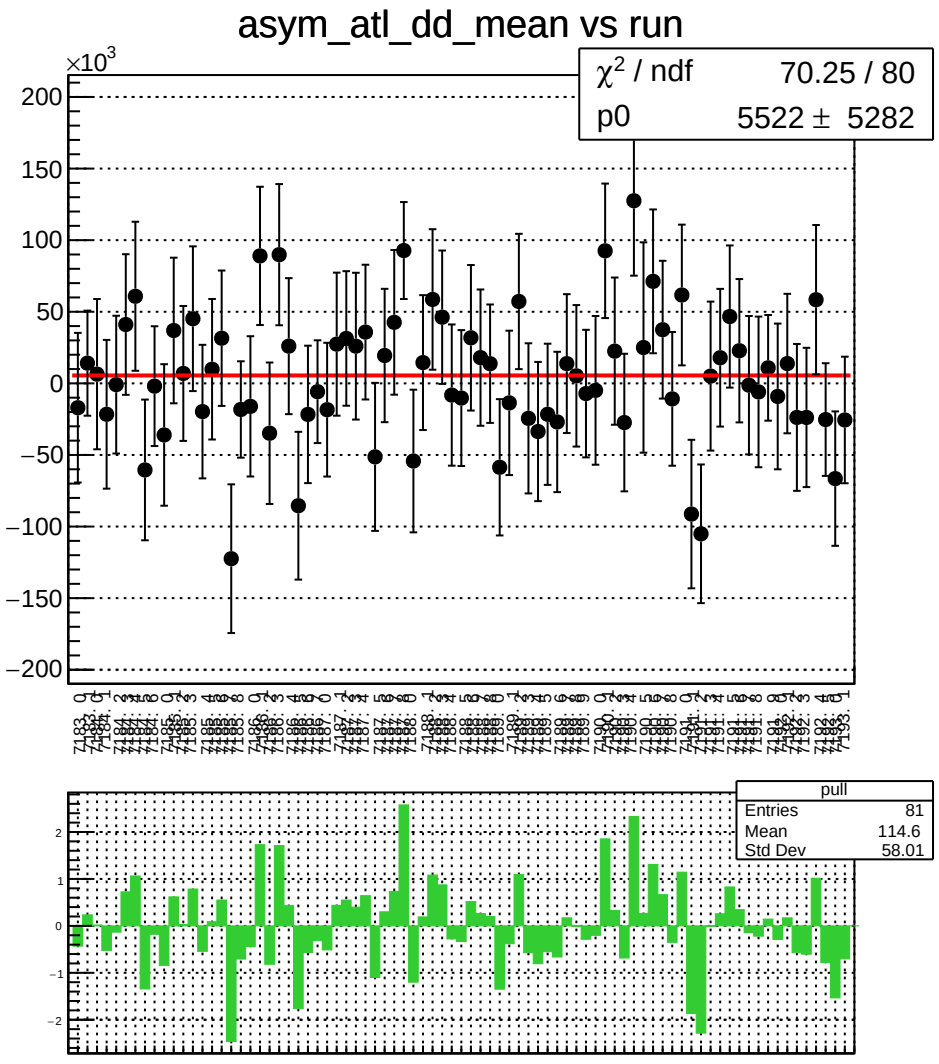

pull1D
Entries 81
Mean −0.00277
Std Dev 1.032

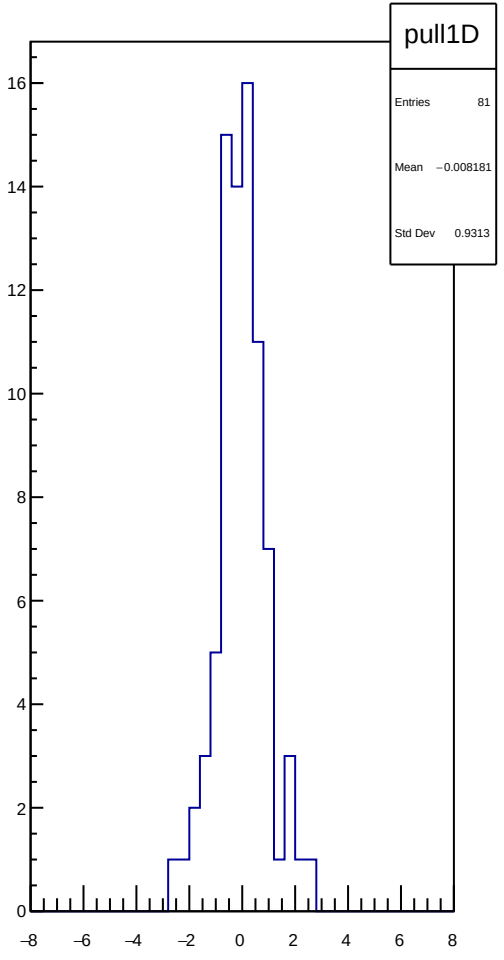

dit_asym_atl_dd_rms vs run
$\chi^2$ / ndf 8432 / 80
p0 1768 ± 1.414
5500
5000
4500
4000
3500
3000
2500
2000
1500

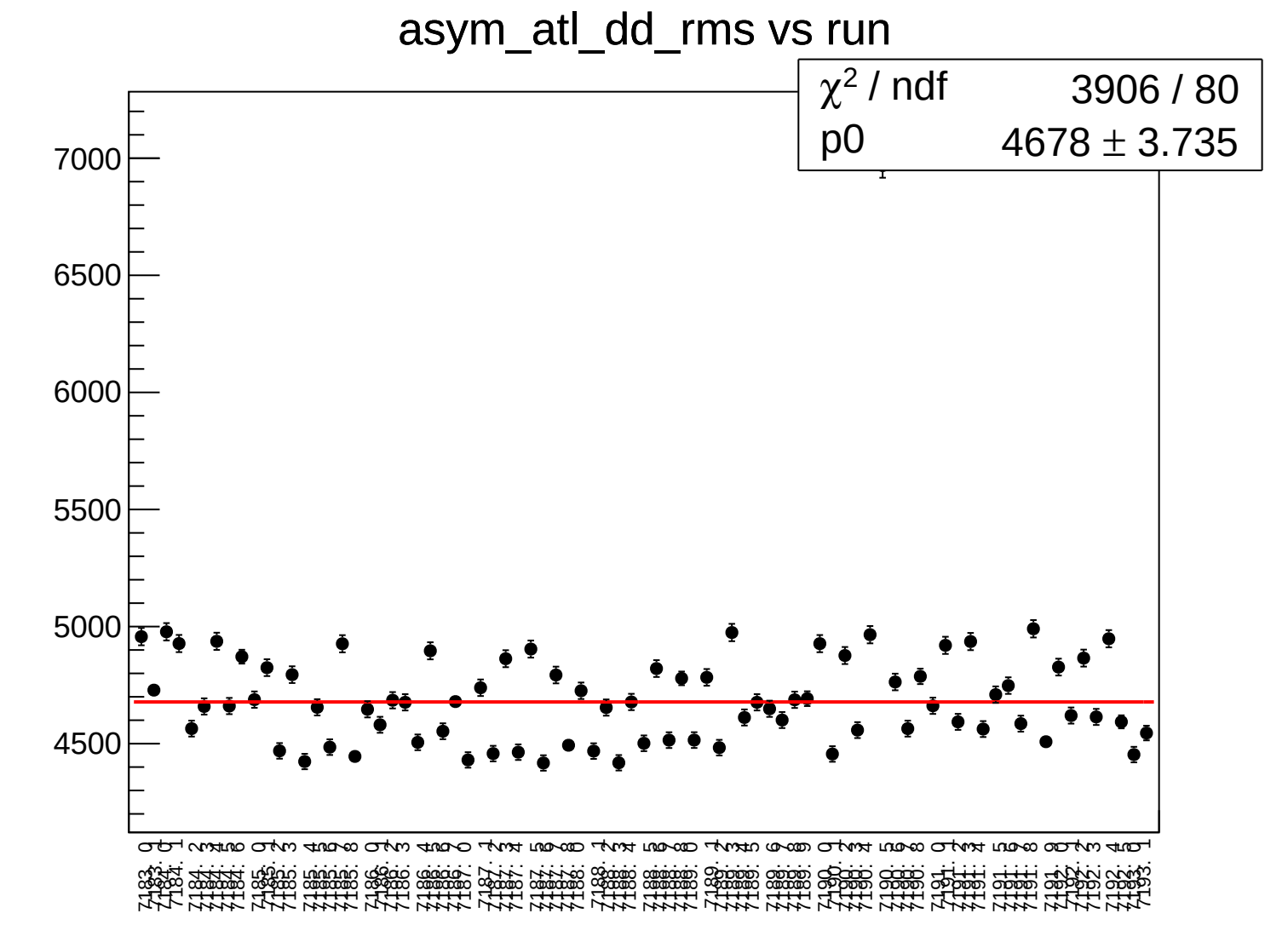

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 67.03 / 80
p0 −4261 ± 4905
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 383.2
Std Dev 333.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

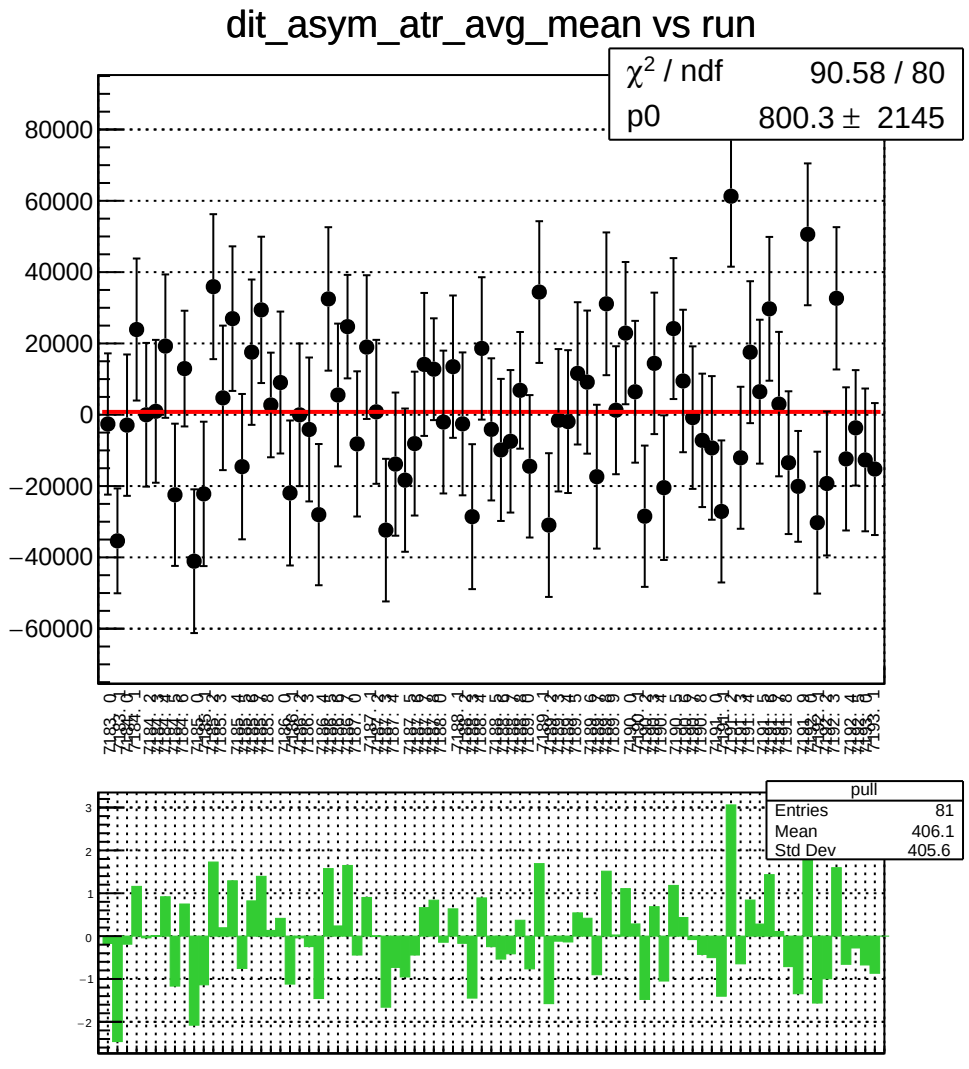

pull1D
Entries 81
Mean 0.002586
Std Dev 0.9097
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

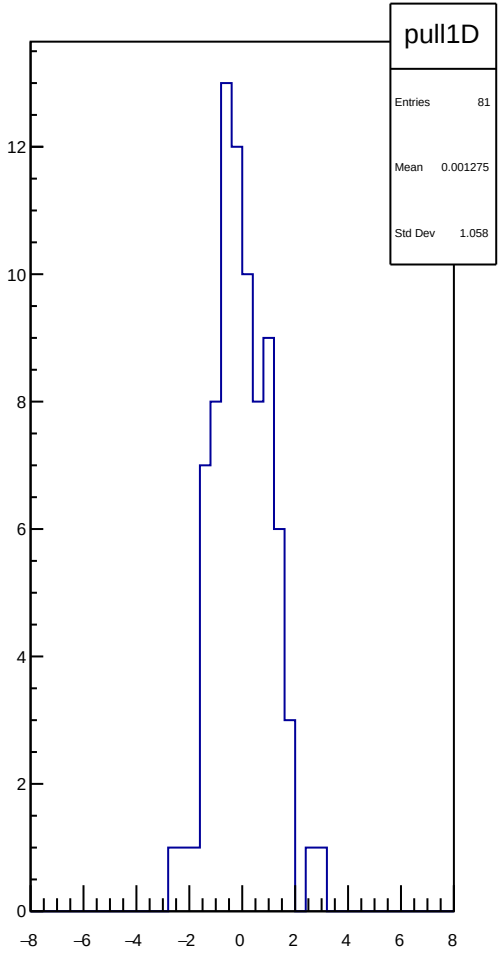

asym_atl_dd_correction_rms vs run
χ² / ndf 2623 / 80
p0 4346 ± 3.468
4700
4600
4500
4400
4300
4200
4100
4000

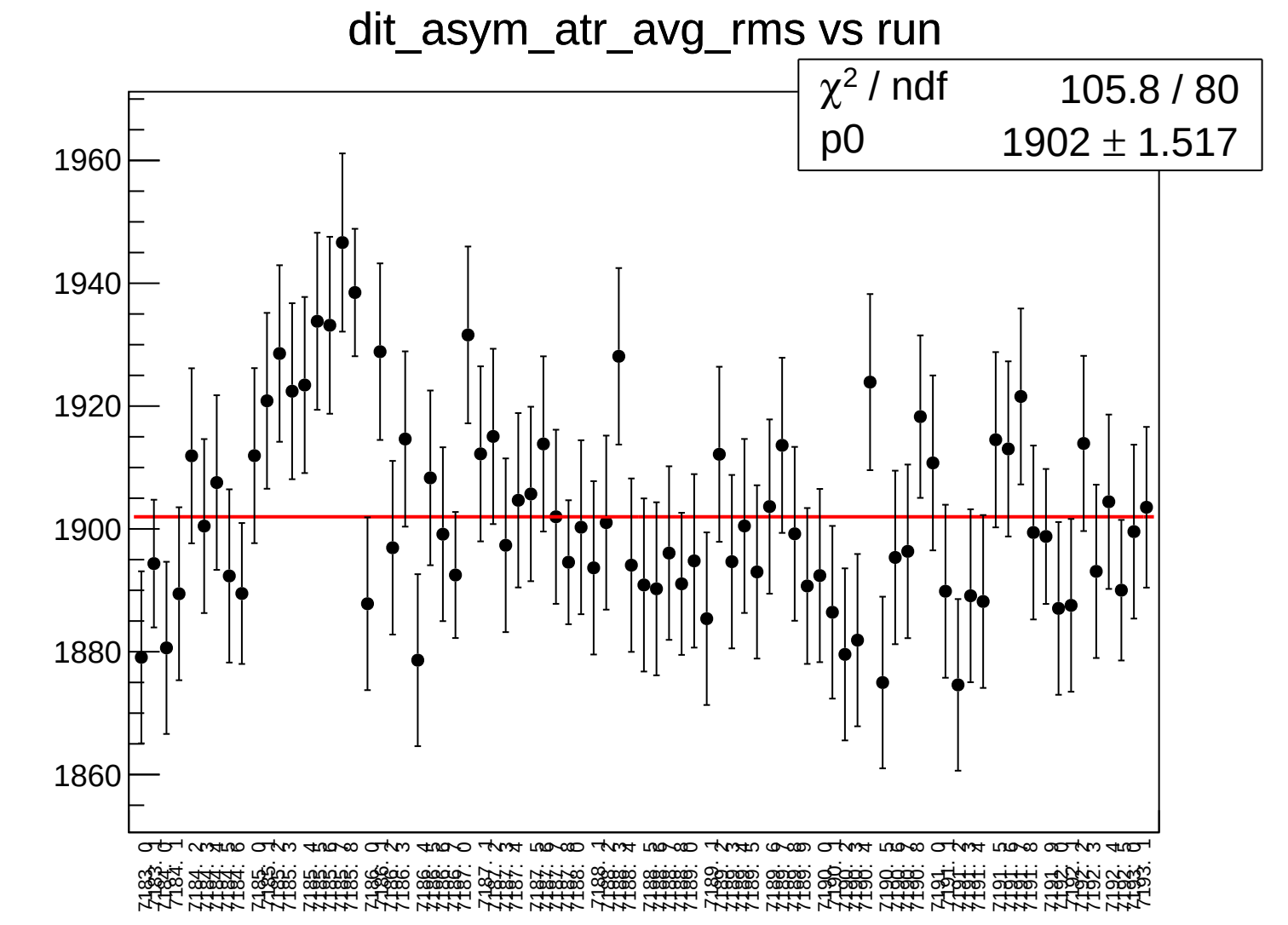

asym_atl_dd_mean vs run
×10^3
χ² / ndf 70.25 / 80
p0 5522 ± 5282
pull
Entries 81
Mean 114.6
Std Dev 58.01

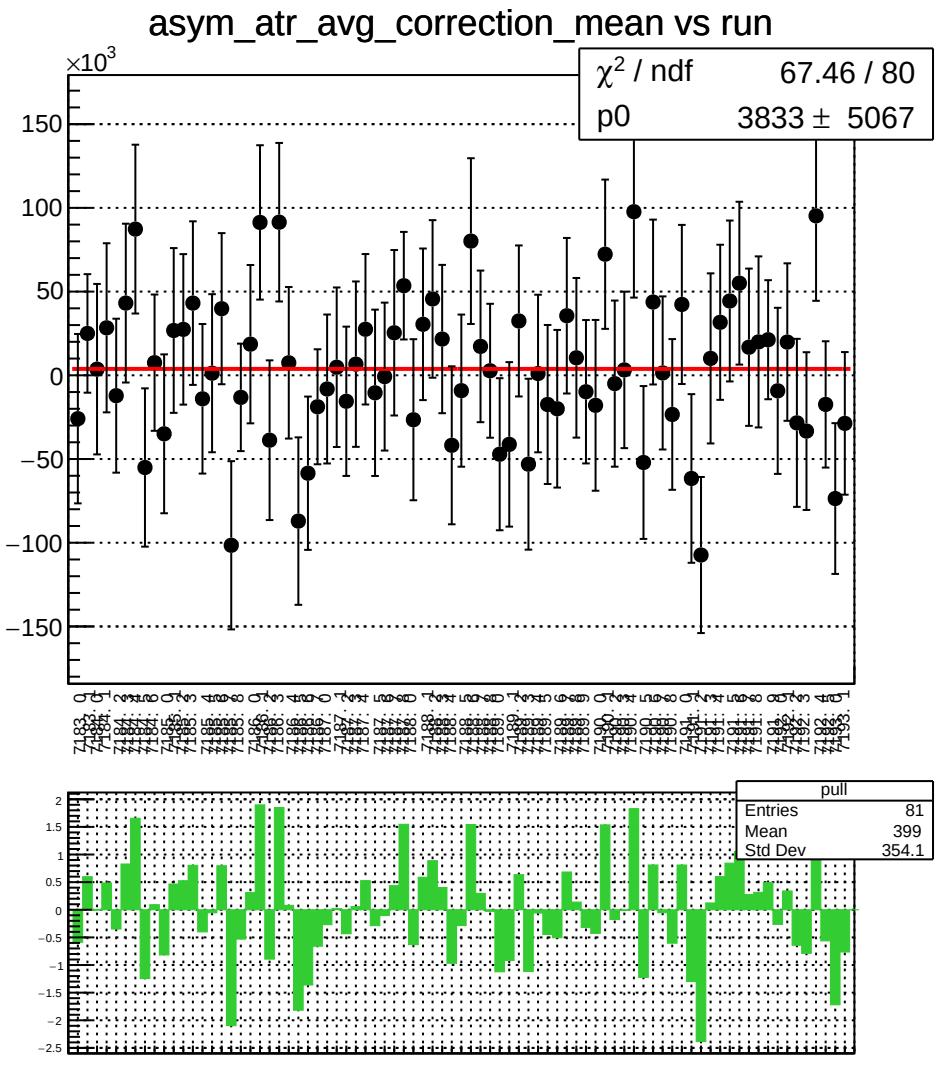

pull1D
Entries 81
Mean −0.008181
Std Dev 0.9313

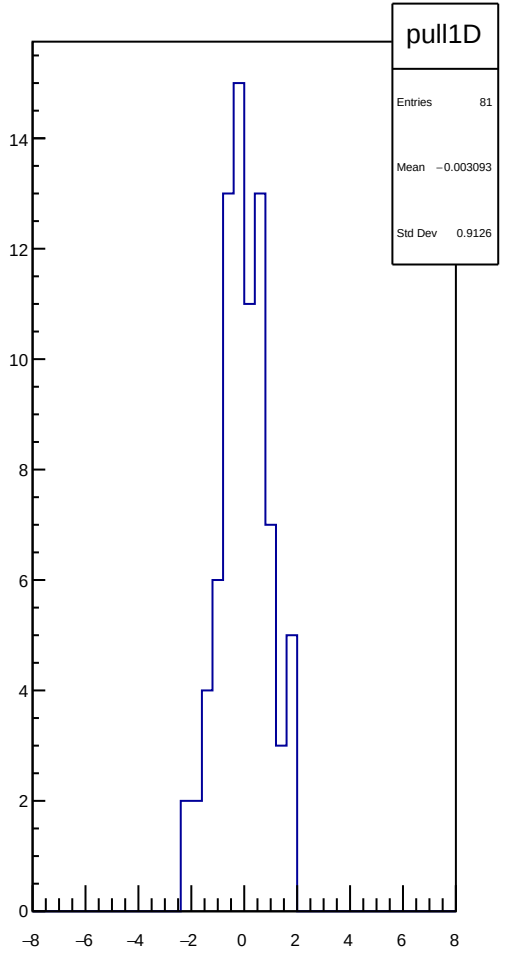

asym_atl_dd_rms vs run
χ² / ndf 3906 / 80
p0 4678 ± 3.735
7000
6500
6000
5500
5000
4500


dit_asym_atr_avg_mean vs run
χ² / ndf 90.58 / 80
p0 800.3 ± 2145
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 406.1
Std Dev 405.6
3
2
1
0
−1
−2

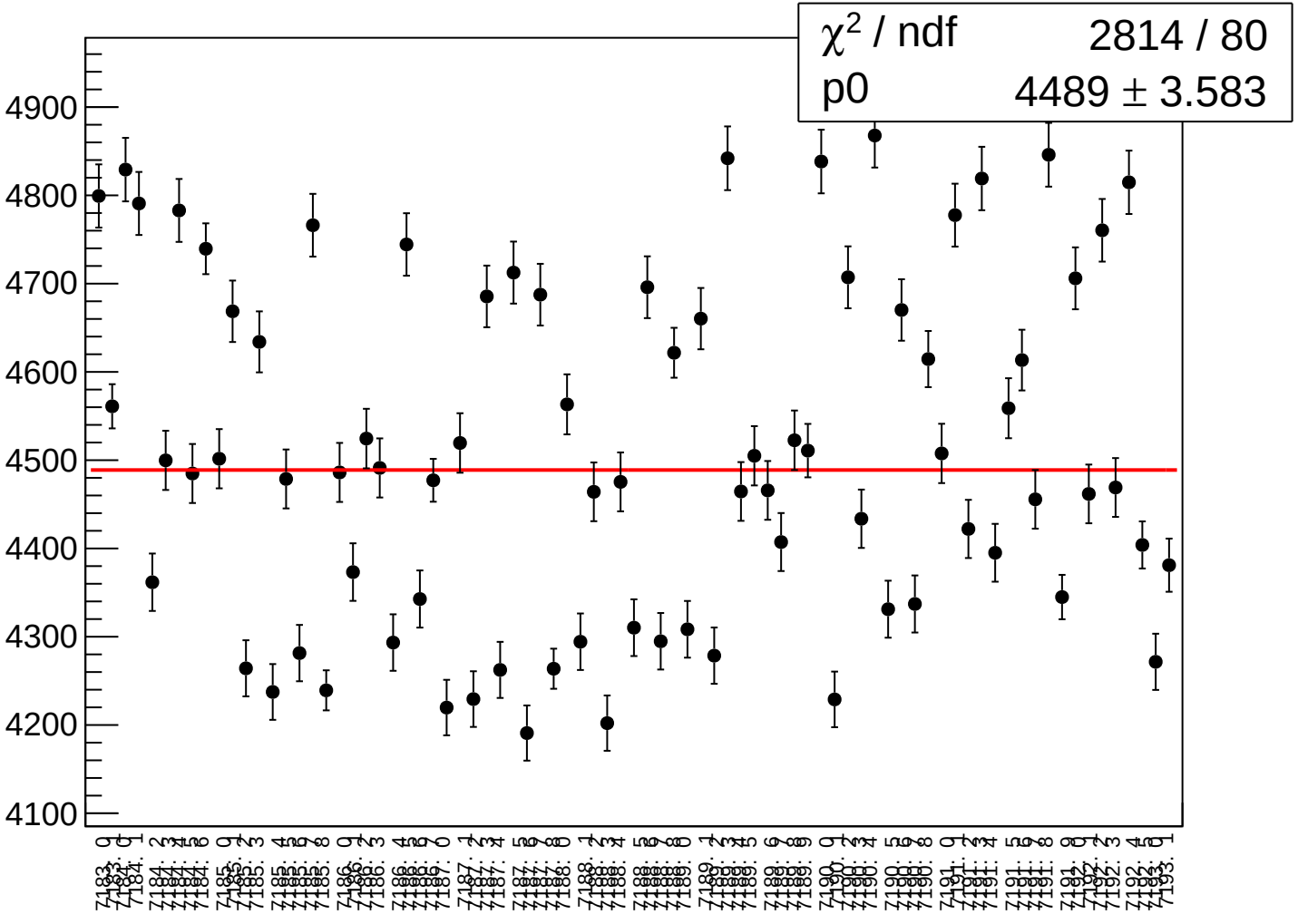

pull1D
Entries 81
Mean 0.001275
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

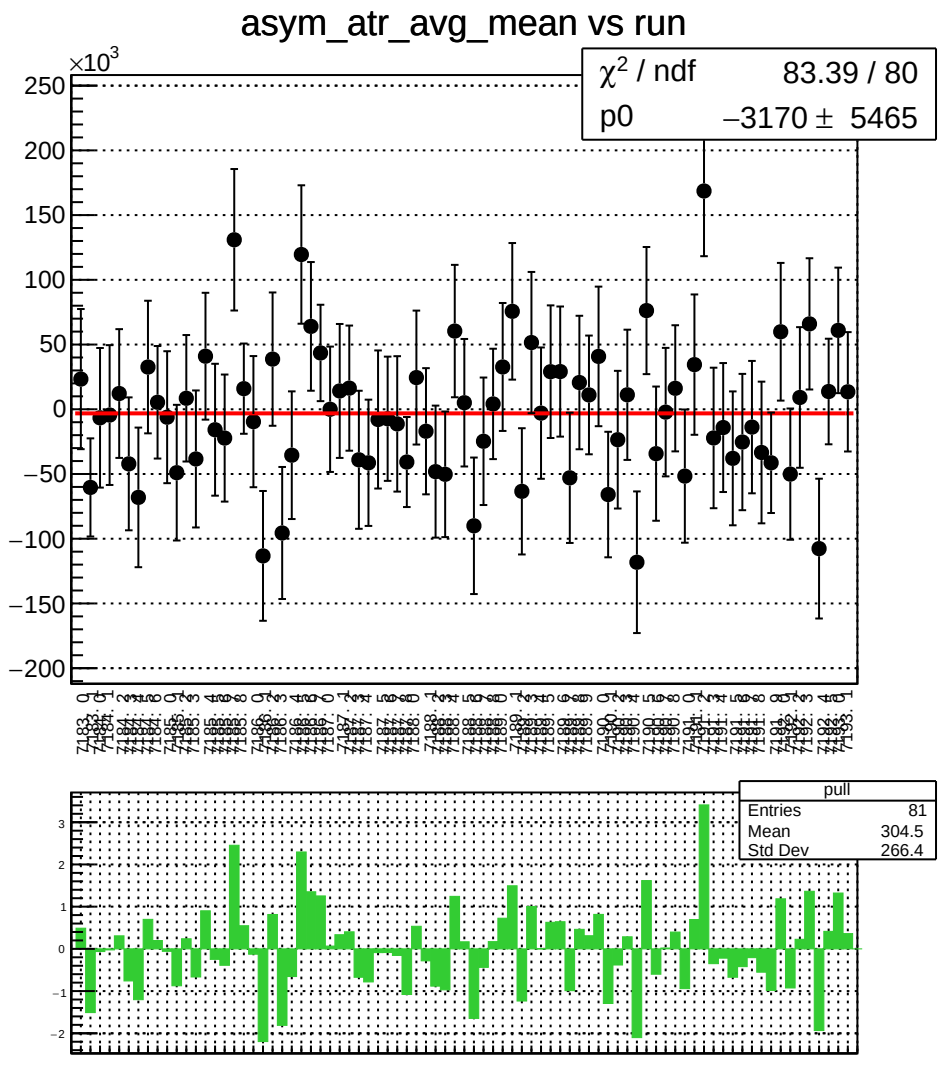

dit_asym_atr_avg_rms vs run
$\chi^2$ / ndf 105.8 / 80
p0 1902 ± 1.517
1960
1940
1920
1900
1880
1860

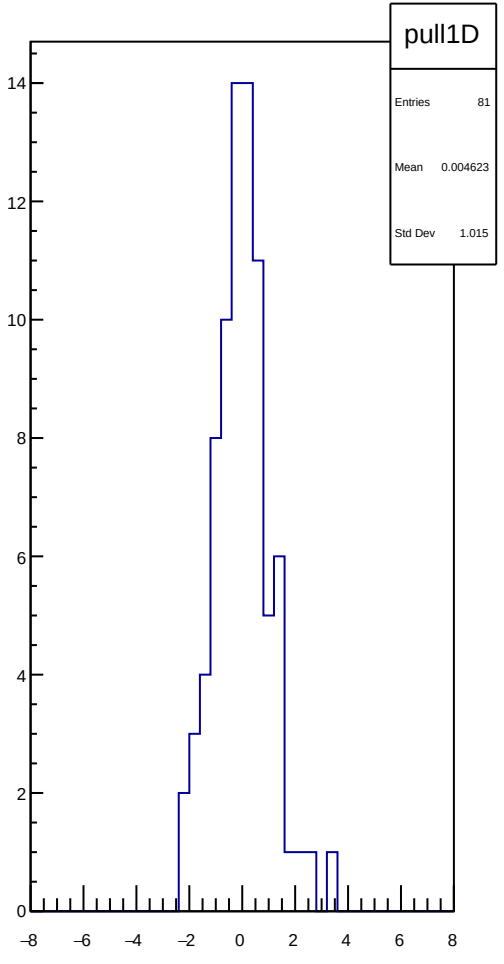

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 67.46 / 80
p0 3833 ± 5067
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 399
Std Dev 354.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

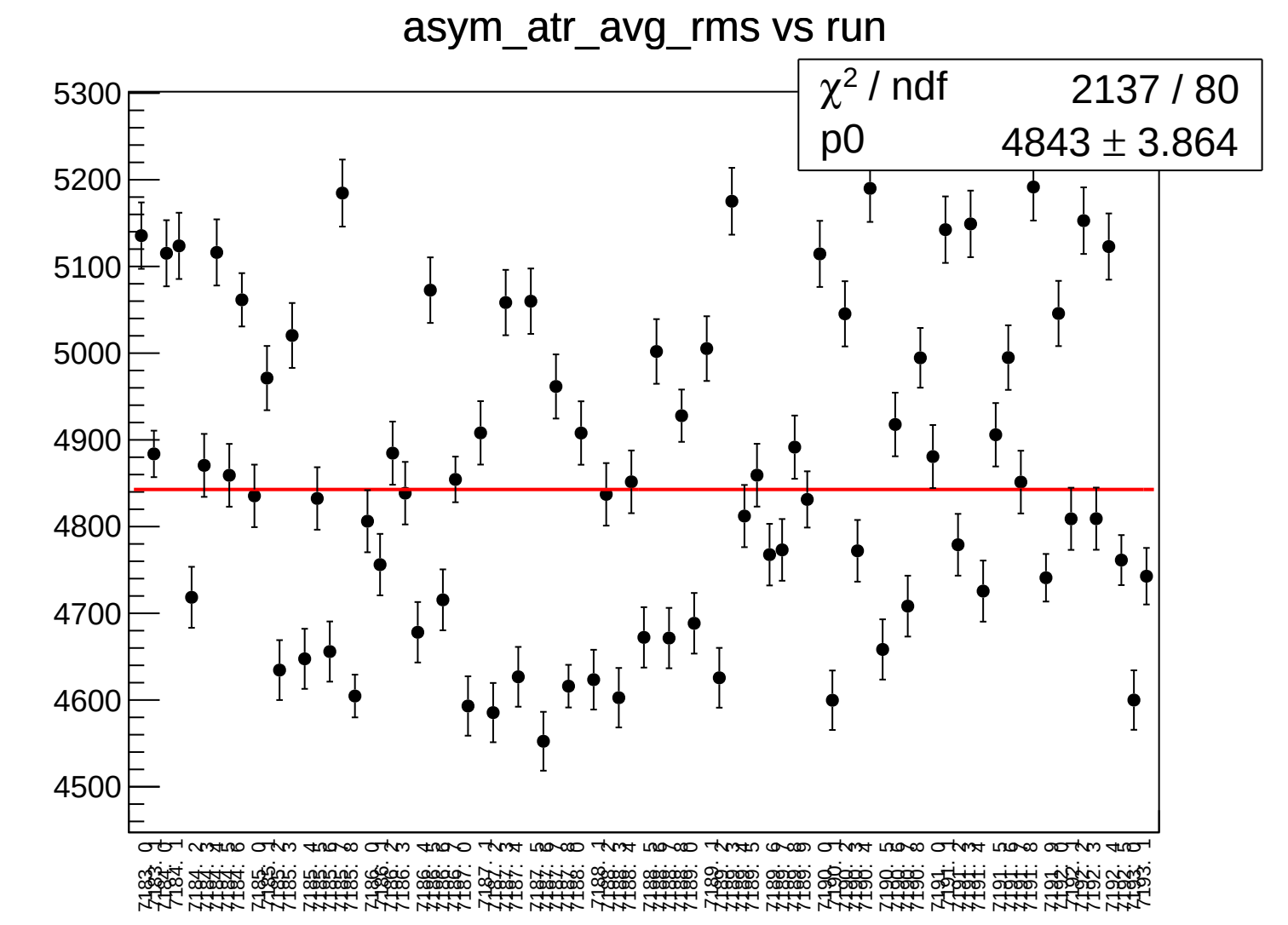

pull1D
Entries 81
Mean −0.003093
Std Dev 0.9126
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

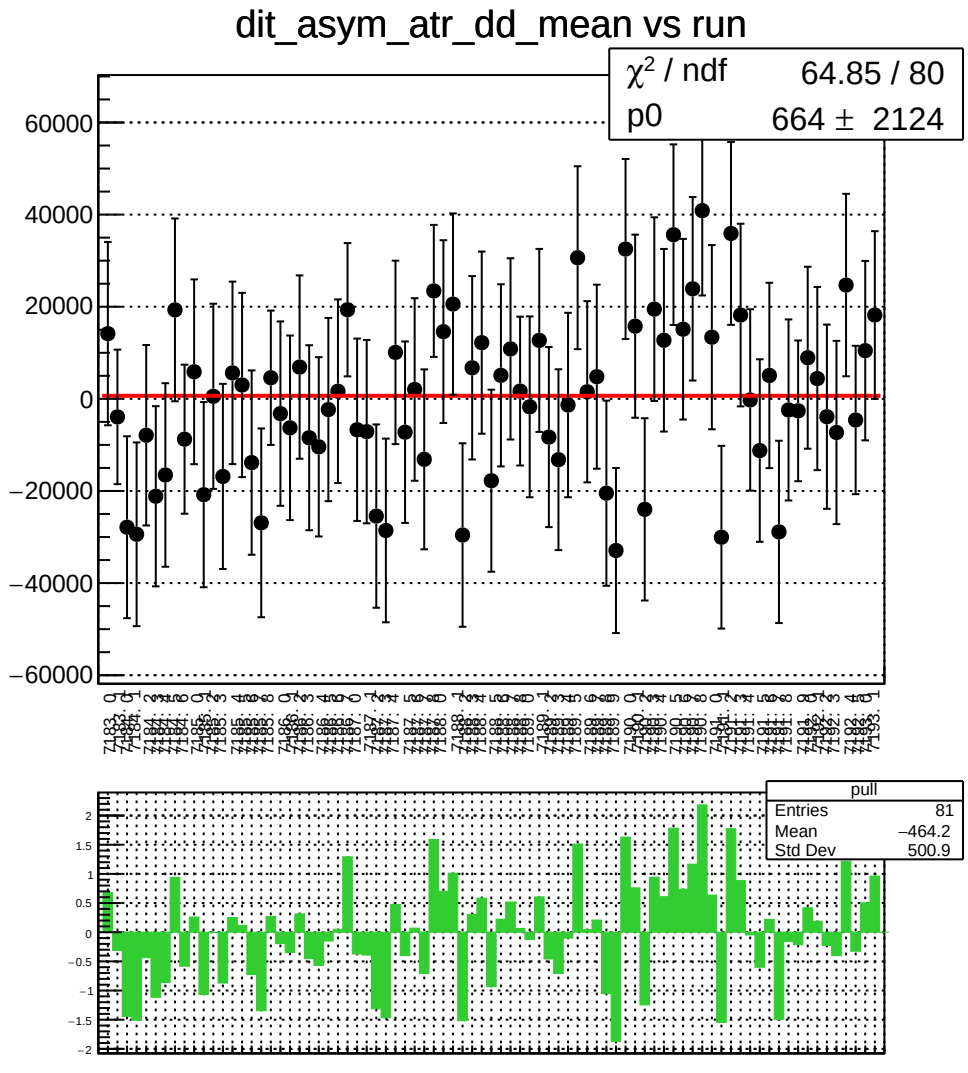
# asym_atr_avg_correction_rms vs run

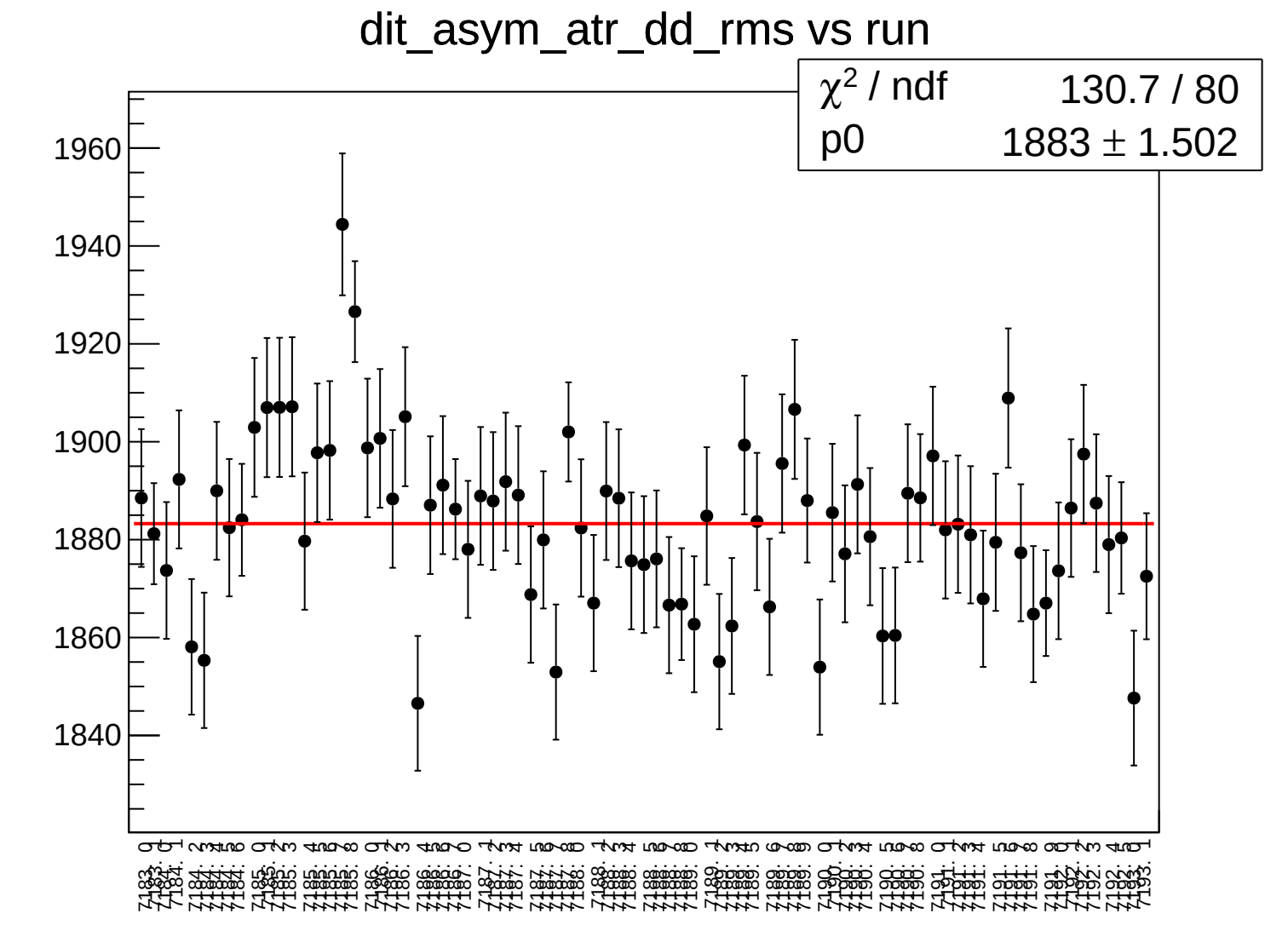


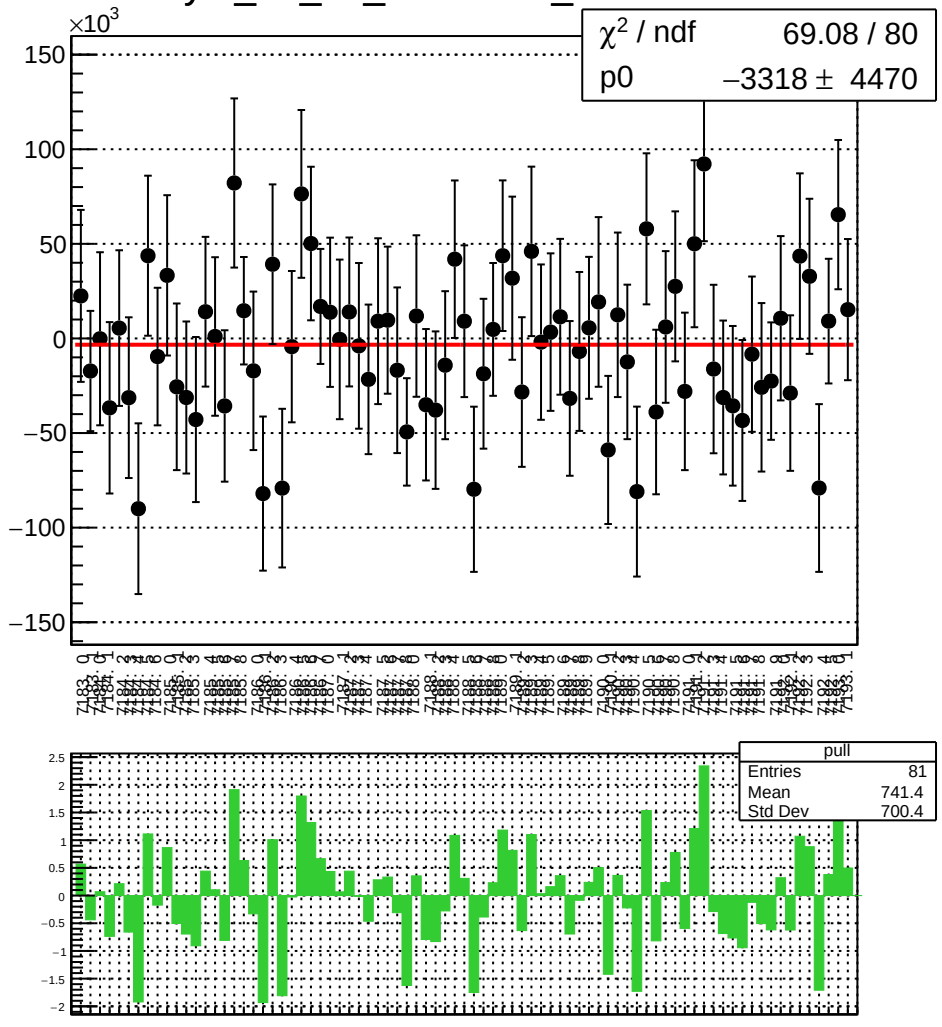

asym_atr_avg_mean vs run
×10^3
χ² / ndf 83.39 / 80
p0 −3170 ± 5465
pull
Entries 81
Mean 304.5
Std Dev 266.4

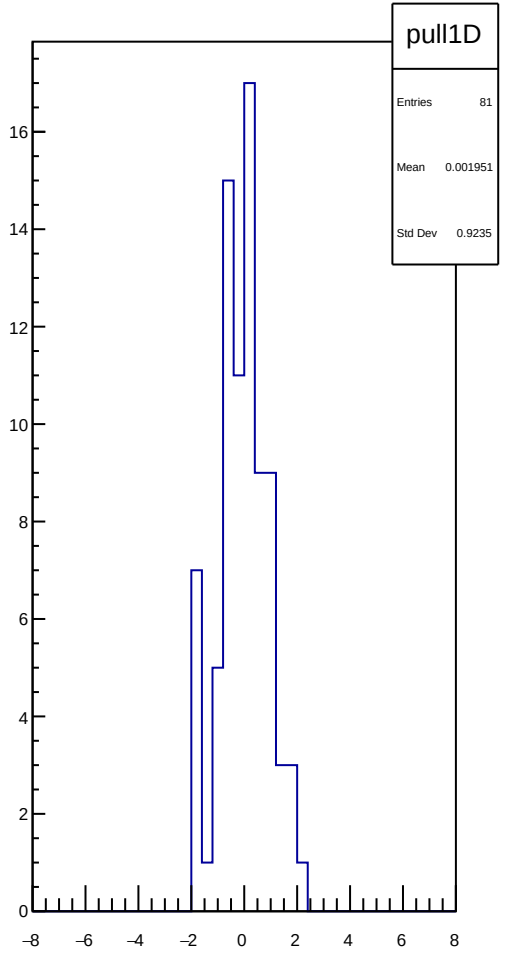

pull1D
Entries 81
Mean 0.004623
Std Dev 1.015

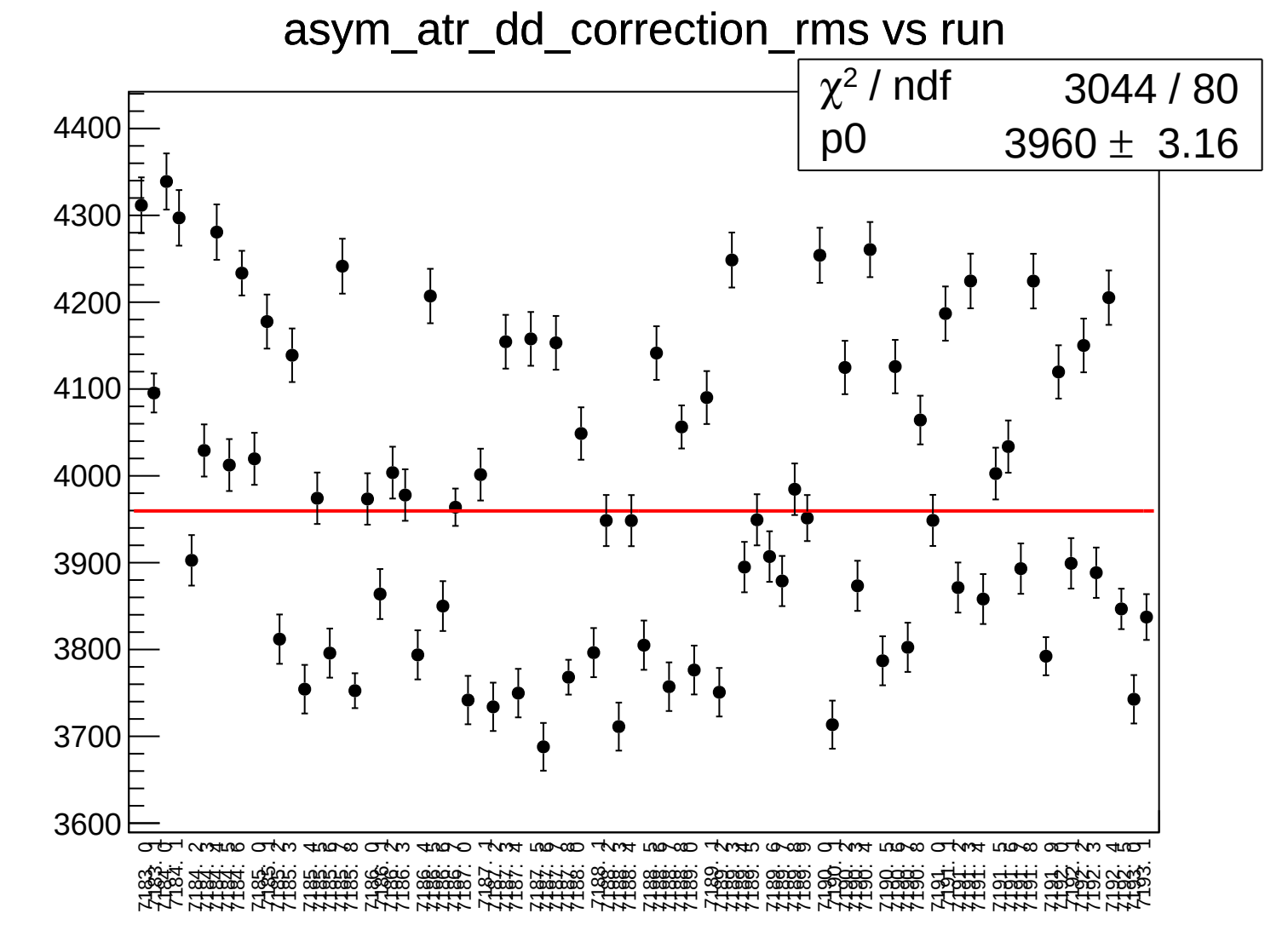

asym_atr_avg_rms vs run
$\chi^2$ / ndf 2137 / 80
p0 4843 ± 3.864
5300
5200
5100
5000
4900
4800
4700
4600
4500

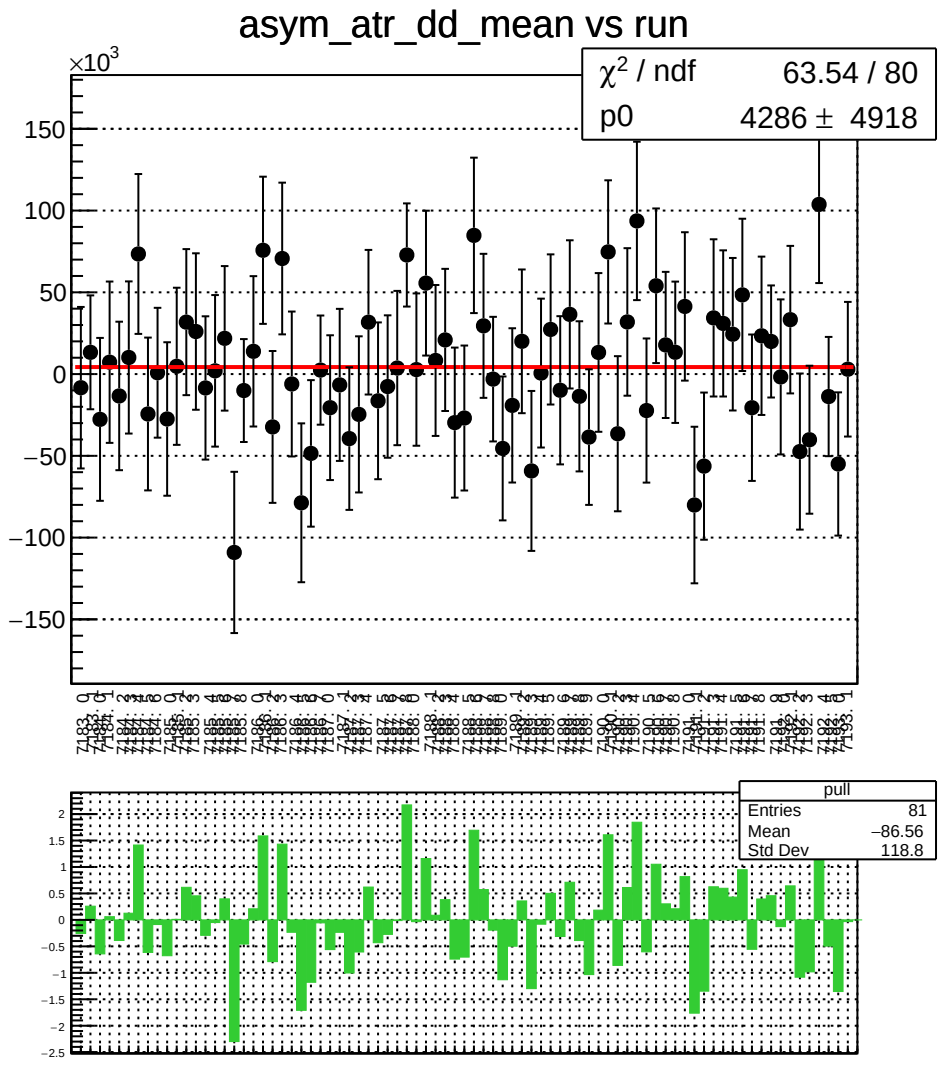

dit_asym_atr_dd_mean vs run
χ² / ndf 64.85 / 80
p0 664 ± 2124
pull
Entries 81
Mean −464.2
Std Dev 500.9
pull1D
Entries 81
Mean −0.01202
Std Dev 0.8947

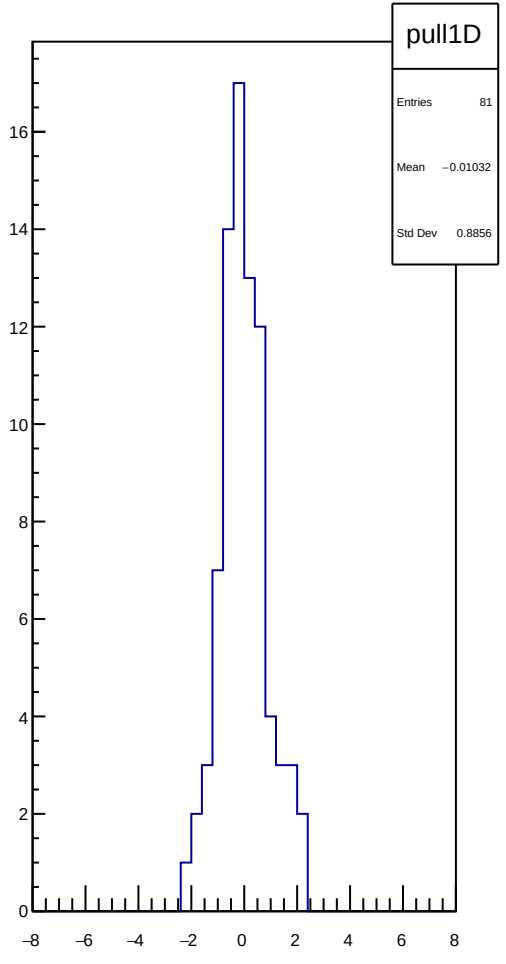

dit_asym_atr_dd_rms vs run
$\chi^2$ / ndf 130.7 / 80
p0 1883 ± 1.502
1960
1940
1920
1900
1880
1860
1840

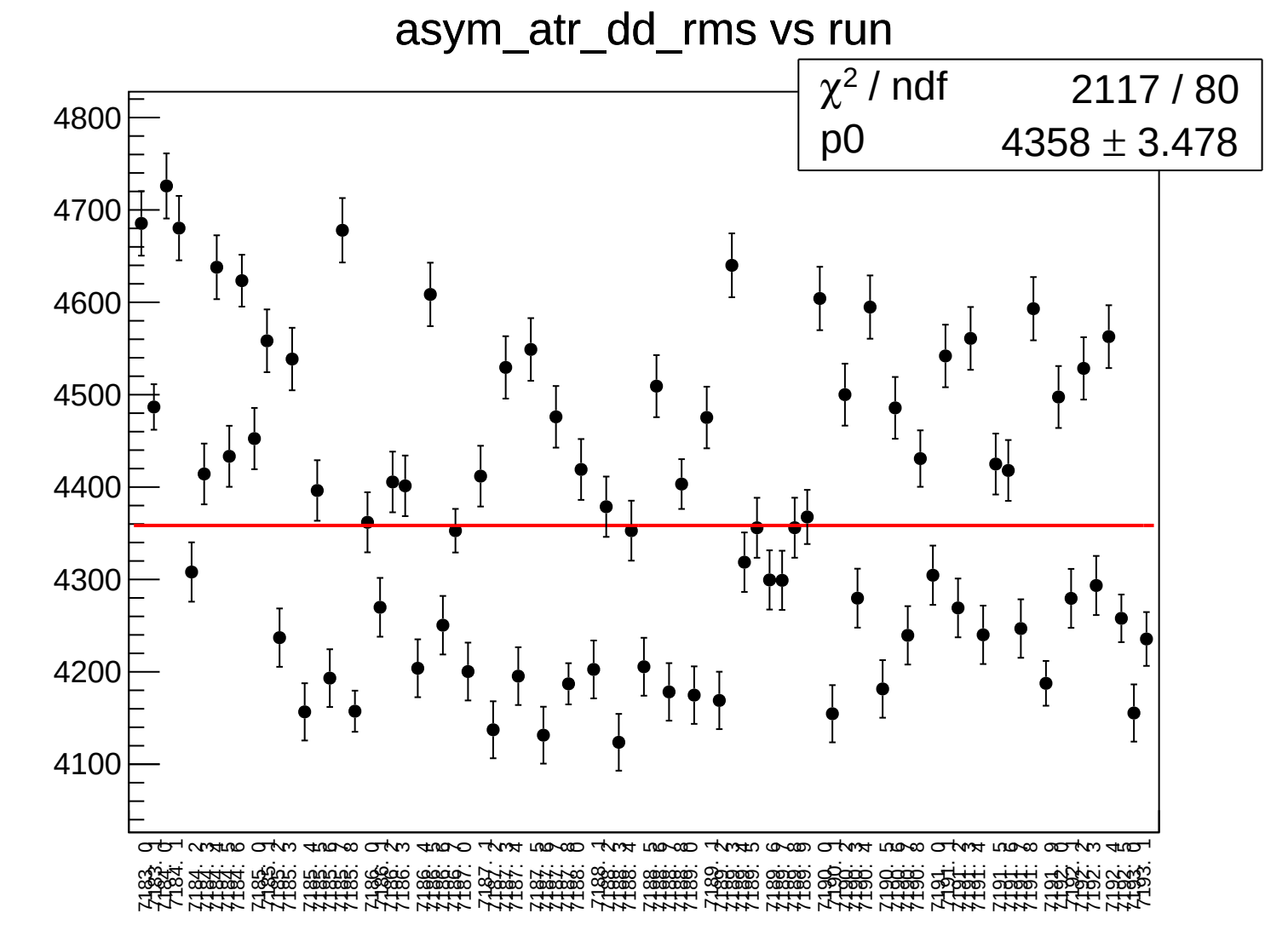

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 69.08 / 80
p0 −3318 ± 4470
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 741.4
Std Dev 700.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

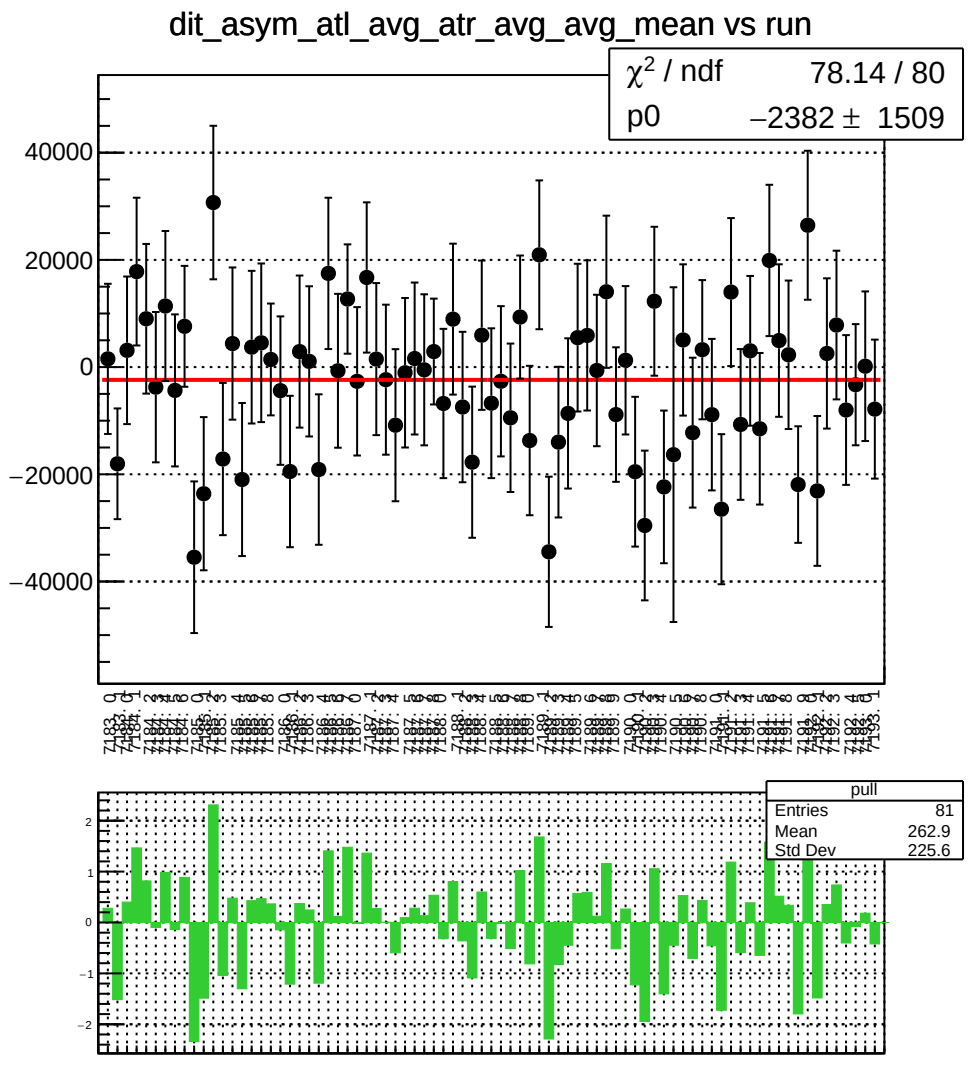

pull1D
Entries 81
Mean 0.001951
Std Dev 0.9235
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

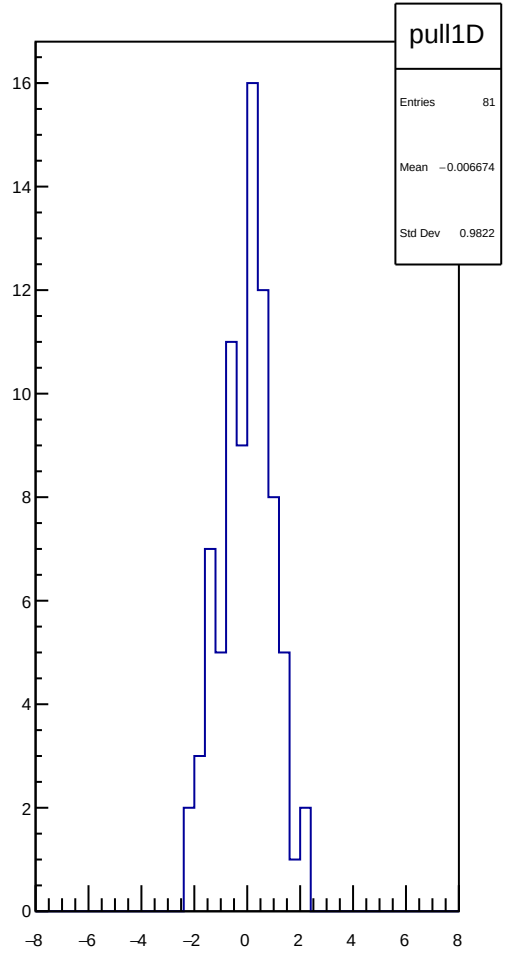

asym_atr_dd_correction_rms vs run
χ² / ndf 3044 / 80
p0 3960 ± 3.16
4400
4300
4200
4100
4000
3900
3800
3700
3600

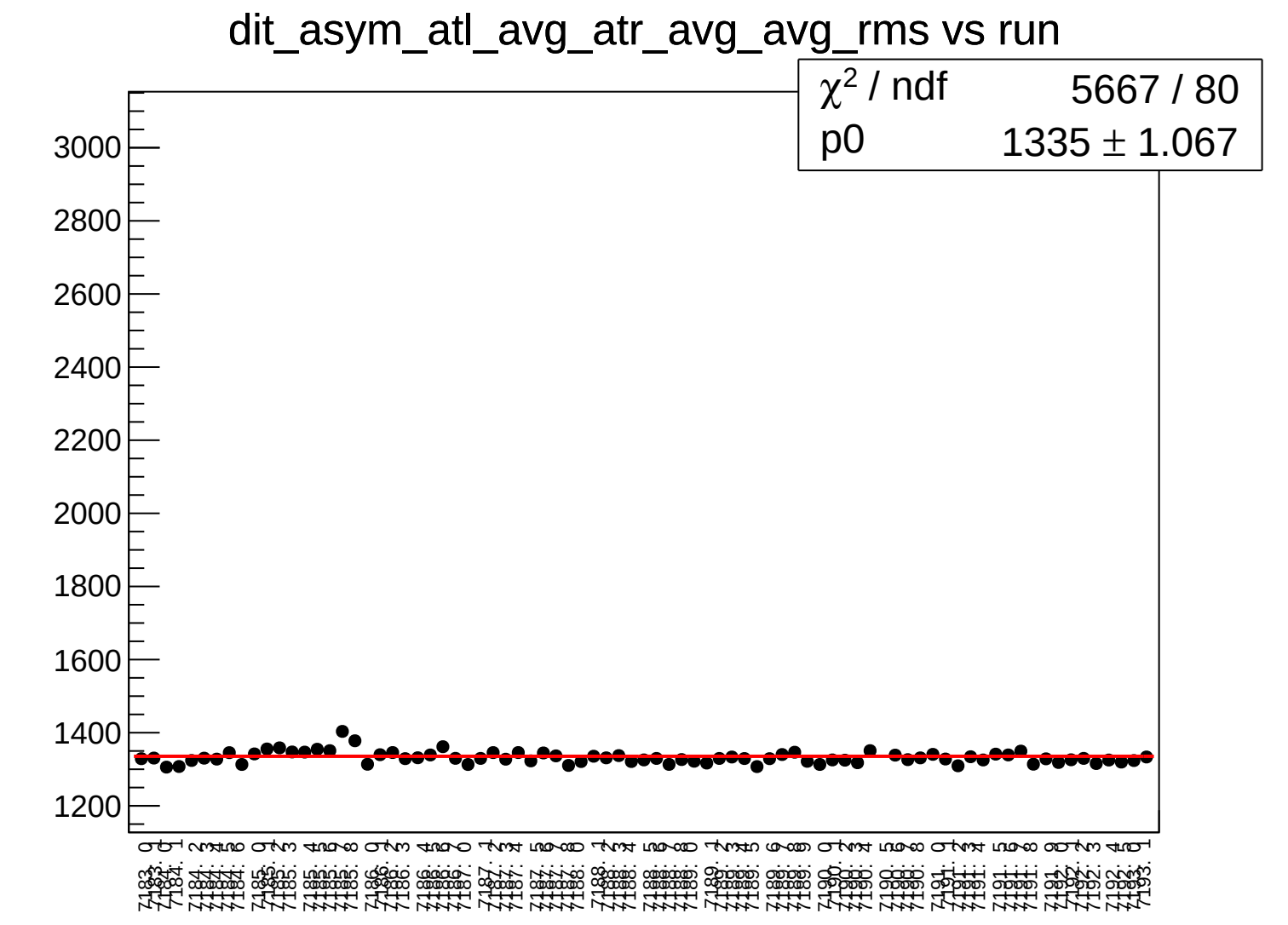

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 63.54 / 80
p0 4286 ± 4918
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean −86.56
Std Dev 118.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

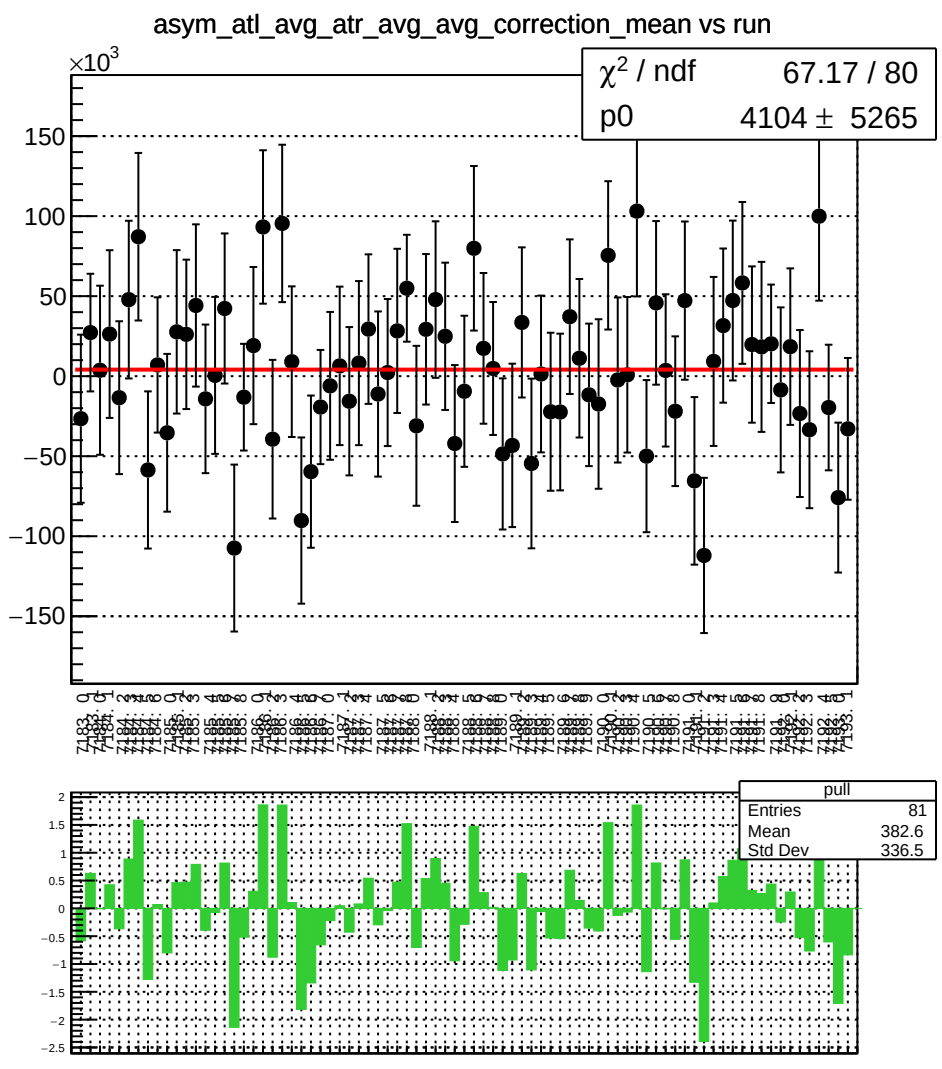

pull1D
Entries 81
Mean −0.01032
Std Dev 0.8856
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

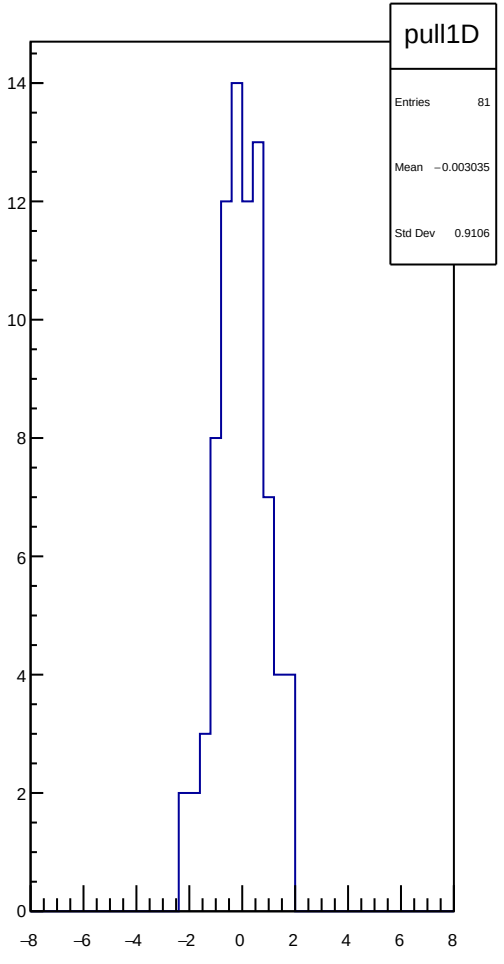

asym_atr_dd_rms vs run
$\chi^2$ / ndf 2117 / 80
p0 4358 ± 3.478
4800
4700
4600
4500
4400
4300
4200
4100

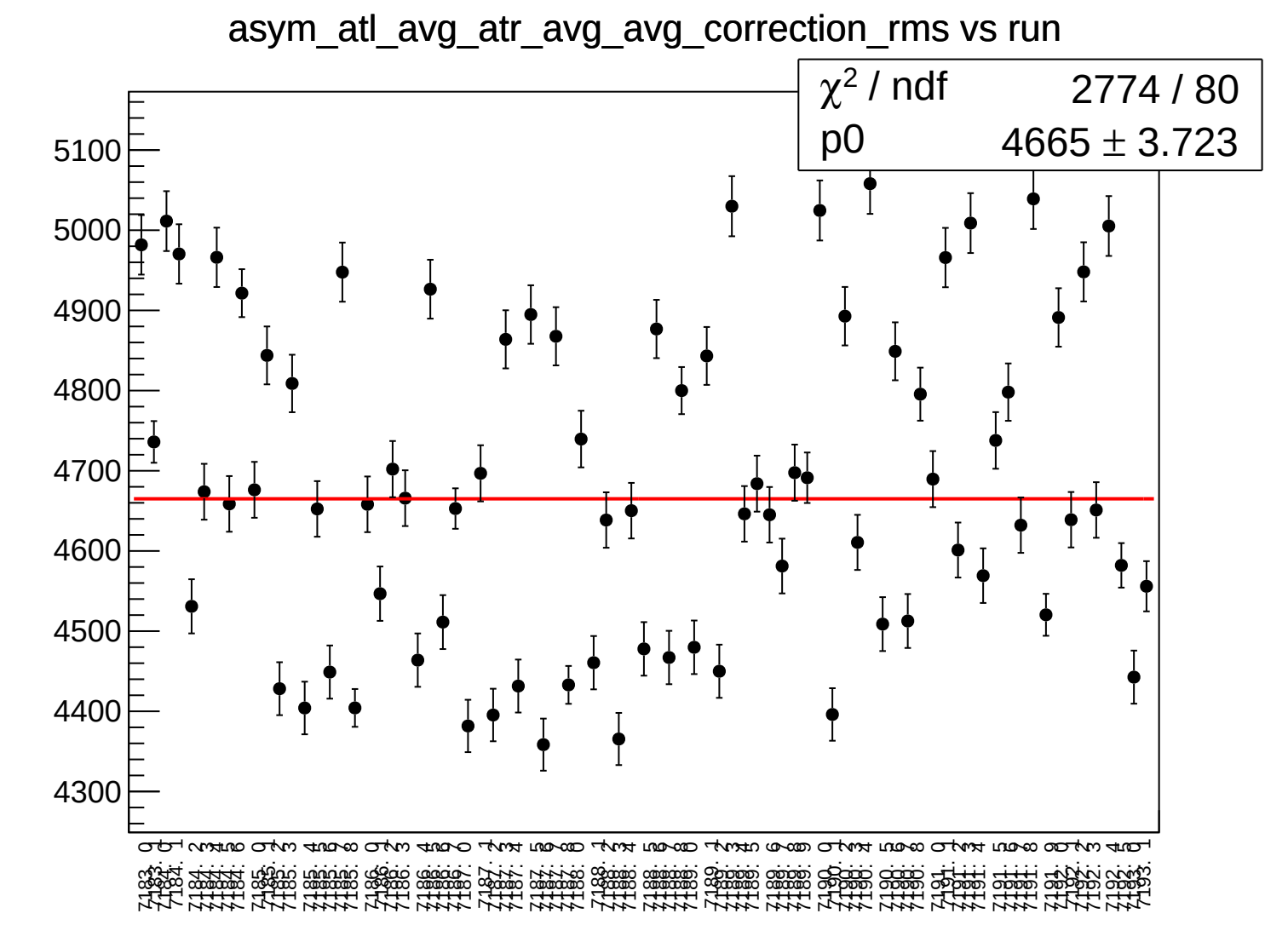

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 78.14 / 80
p0 −2382 ± 1509
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 262.9
Std Dev 225.6
2
1
0
−1
−2

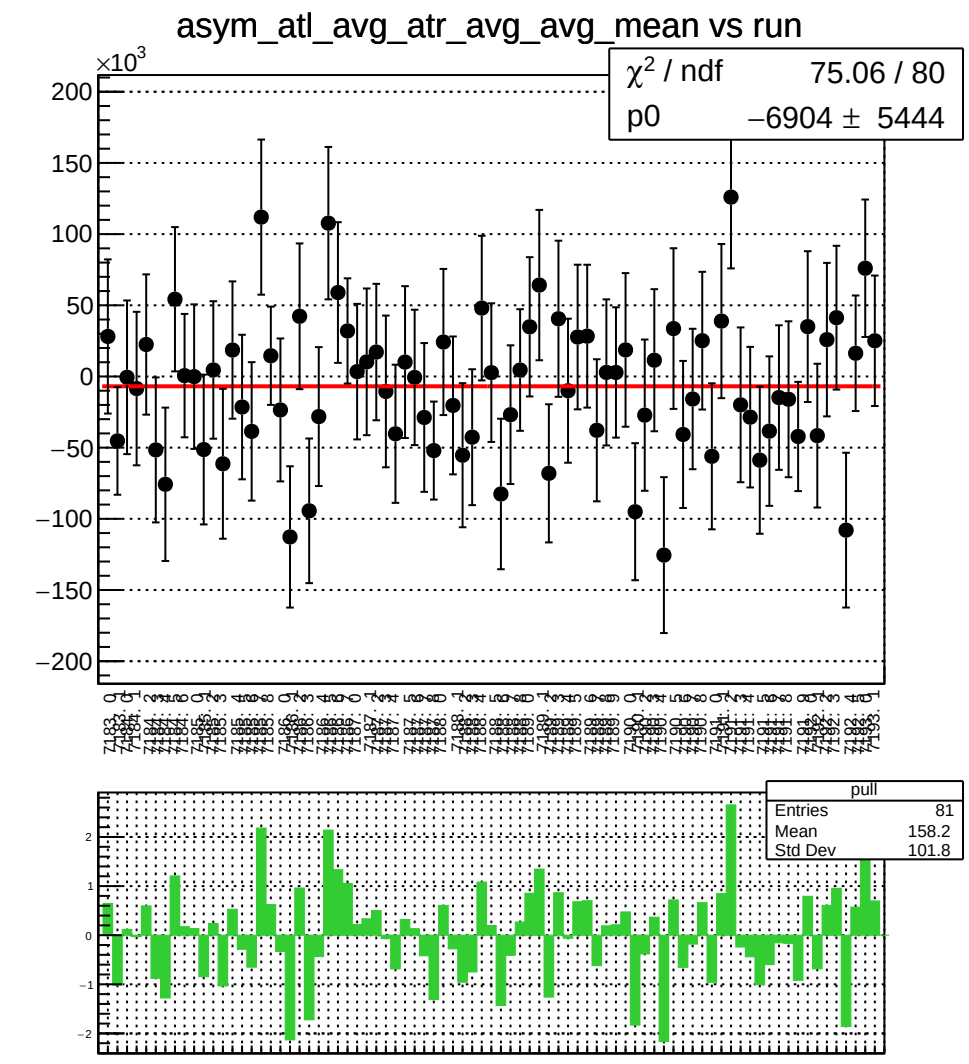

pull1D
Entries 81
Mean −0.006674
Std Dev 0.9822
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

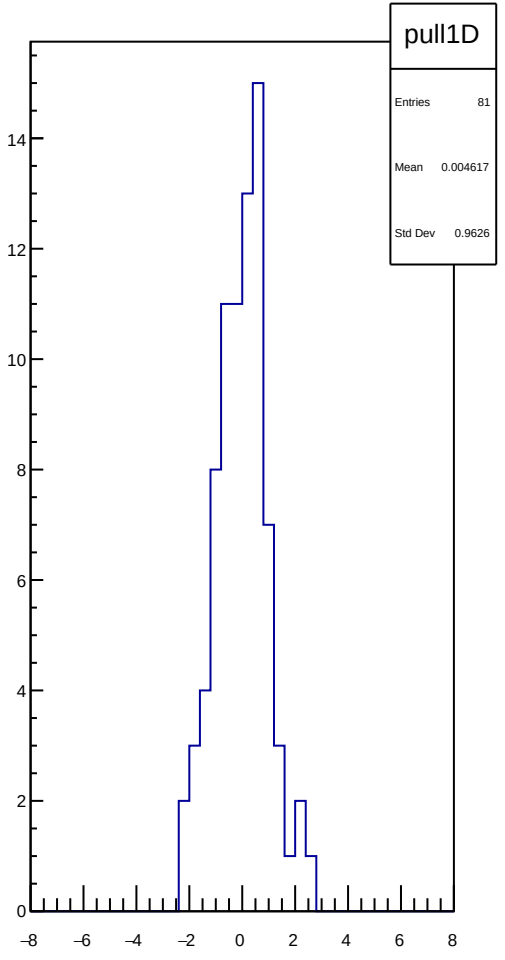

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5667 / 80
p0 1335 ± 1.067
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

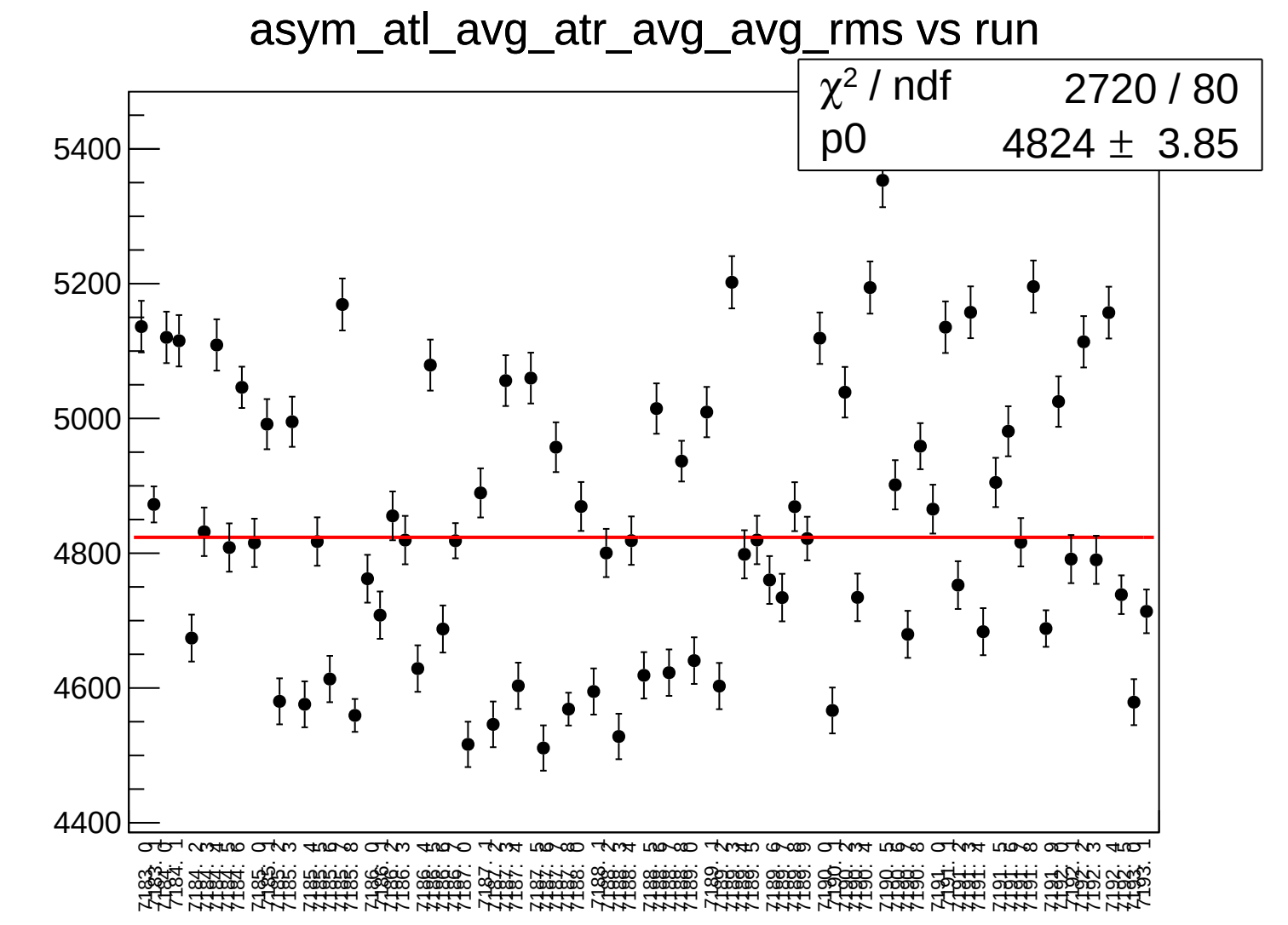

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 67.17 / 80
p0 4104 ± 5265
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 382.6
Std Dev 336.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

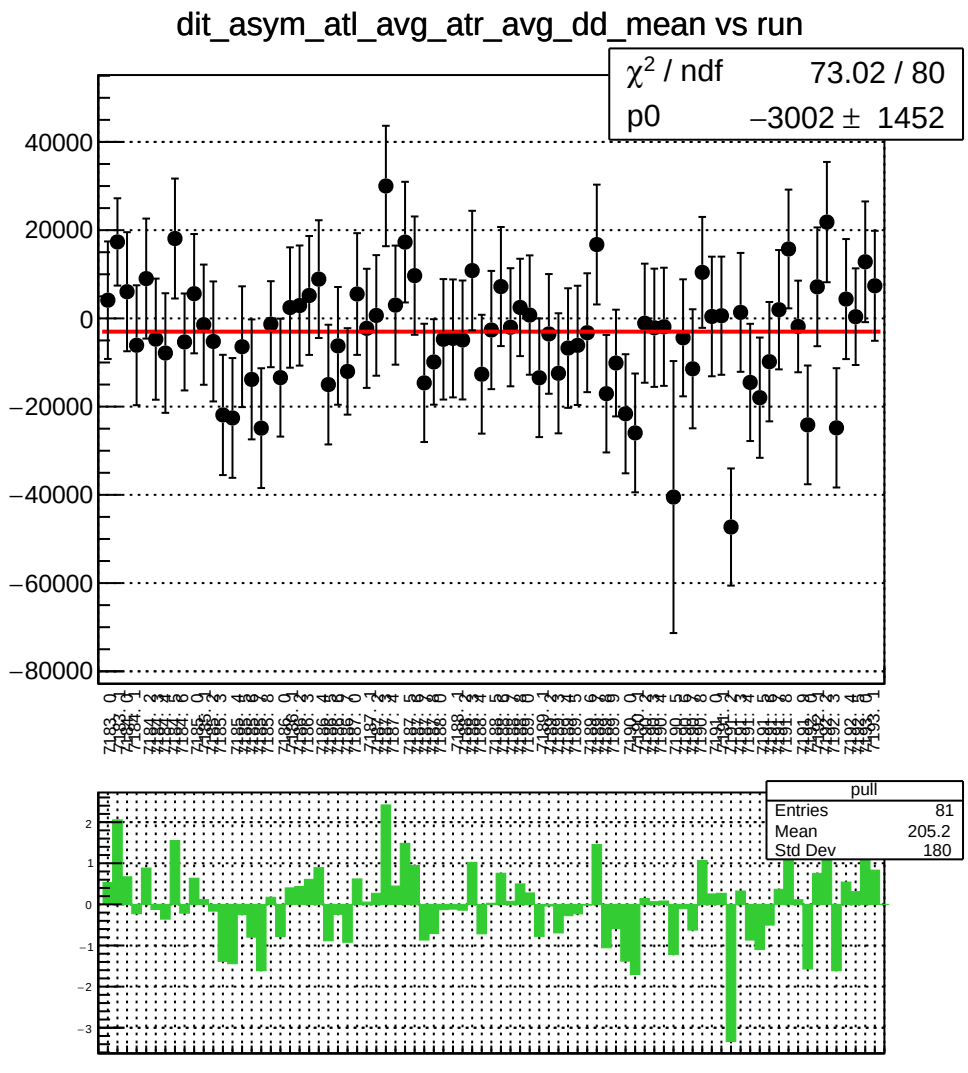

pull1D
Entries 81
Mean −0.003035
Std Dev 0.9106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

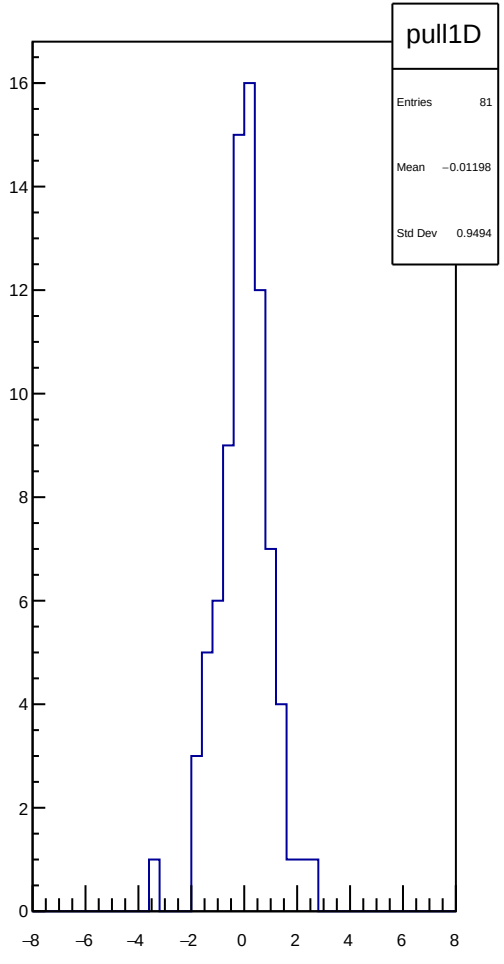

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2774 / 80
p0 4665 ± 3.723
5100
5000
4900
4800
4700
4600
4500
4400
4300

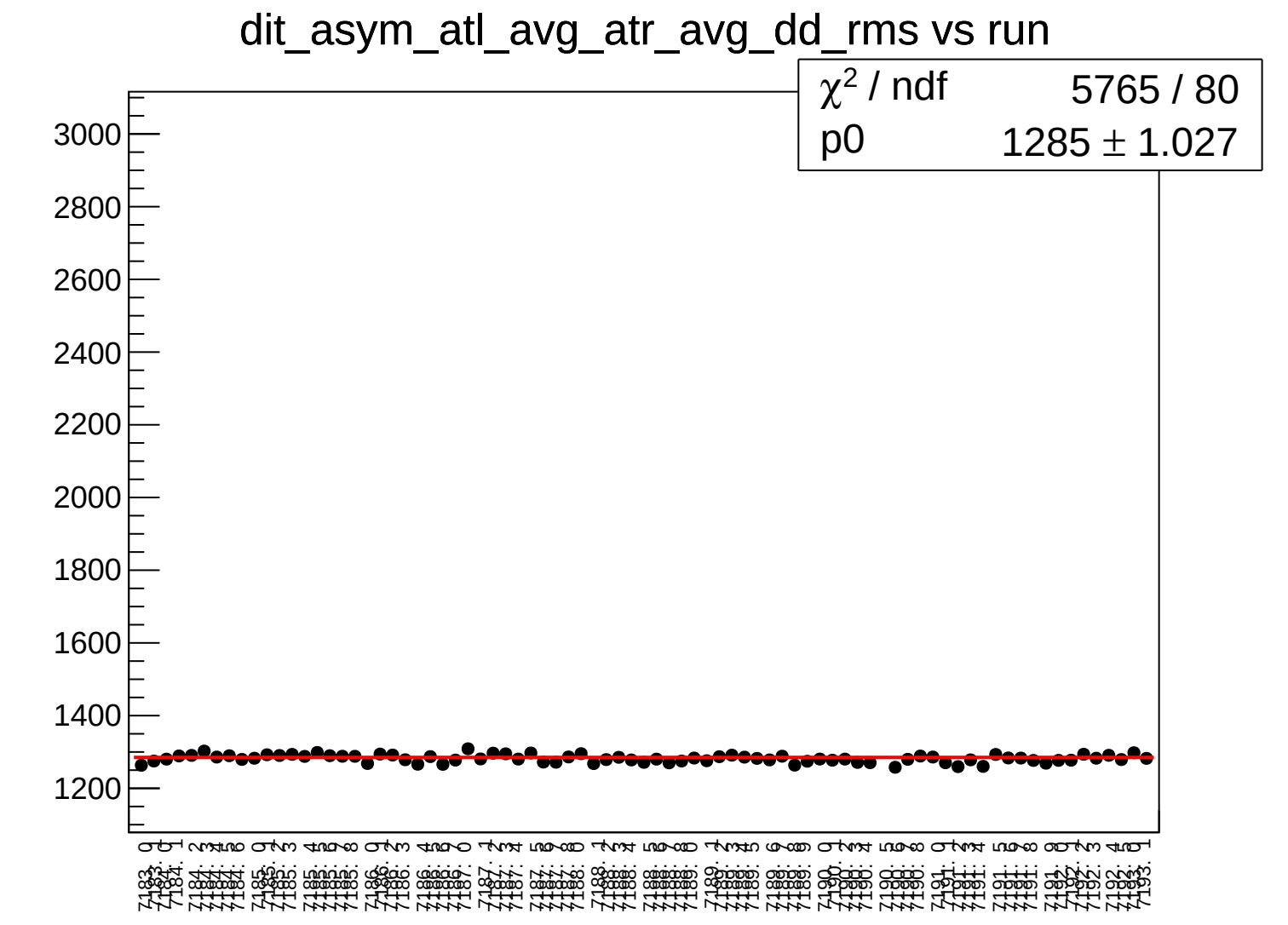

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 75.06 / 80
p0 −6904 ± 5444
pull
Entries 81
Mean 158.2
Std Dev 101.8

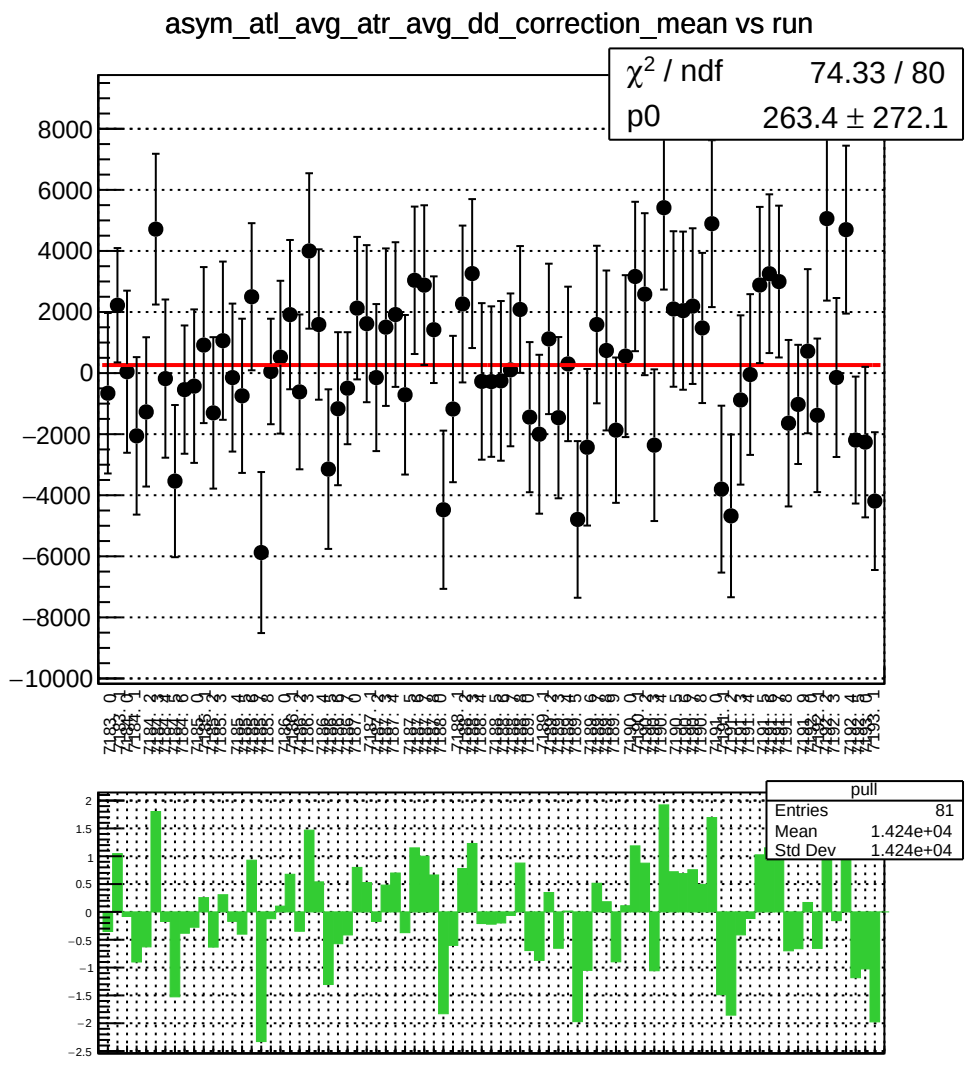

pull1D
Entries 81
Mean 0.004617
Std Dev 0.9626

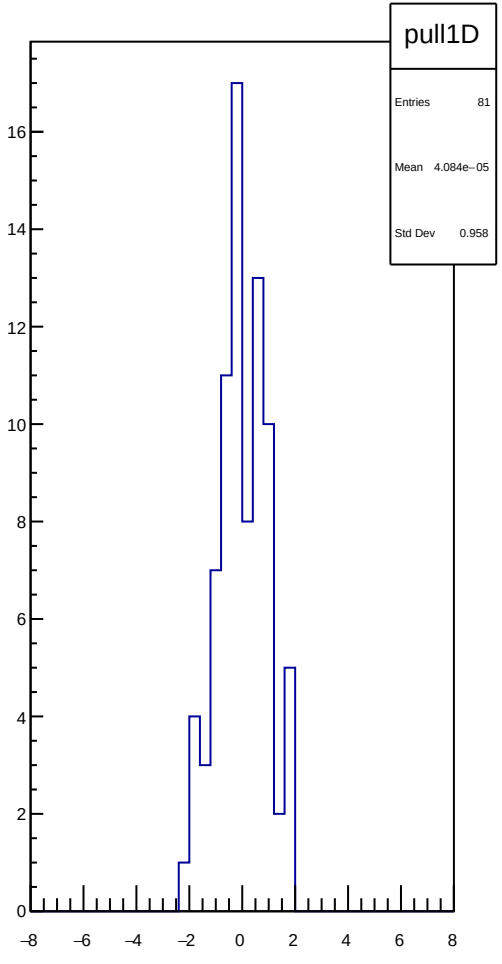

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2720 / 80
p0 4824 ± 3.85
5400
5200
5000
4800
4600
4400

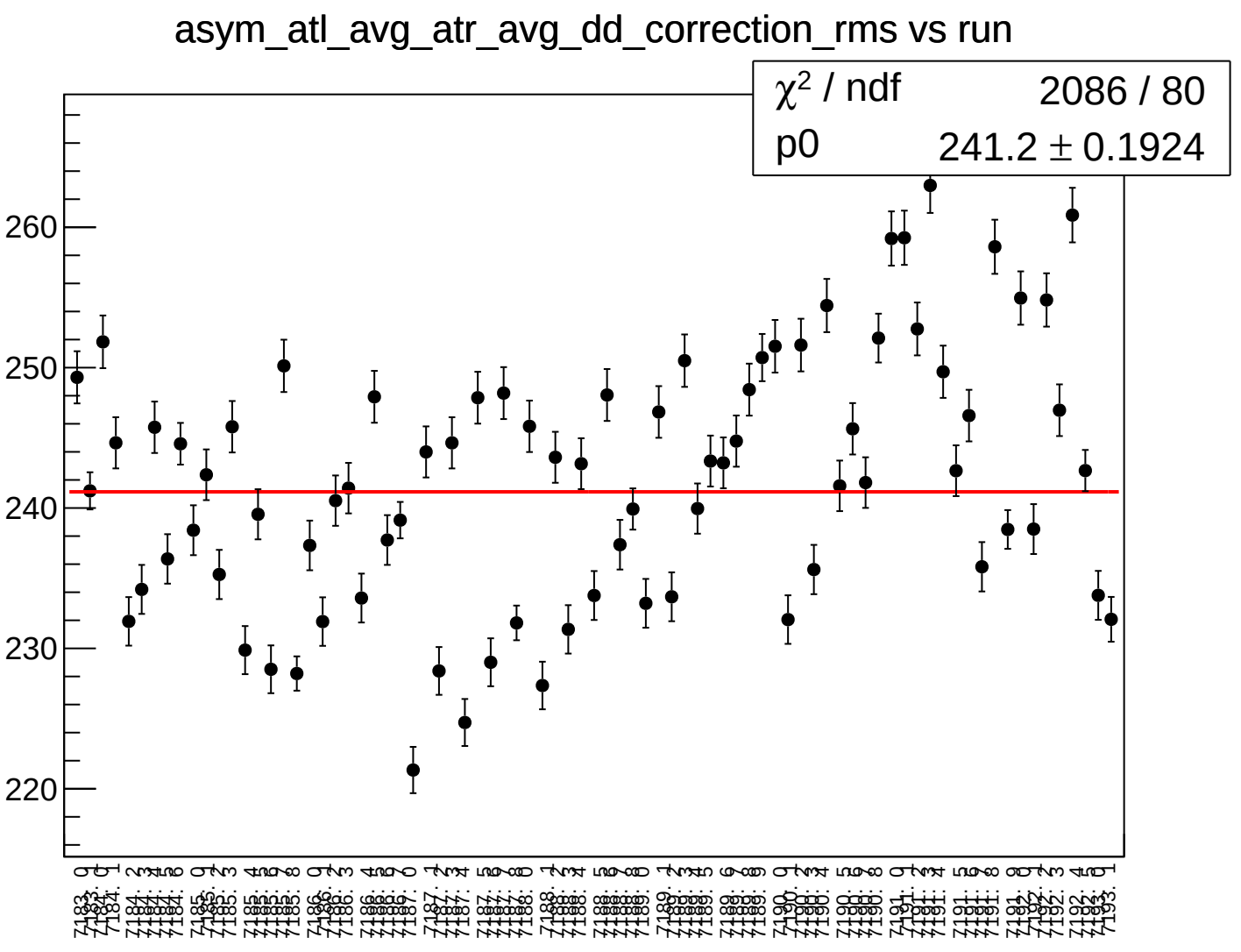

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 73.02 / 80
p0 −3002 ± 1452
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 205.2
Std Dev 180
2
1
0
−1
−2
−3

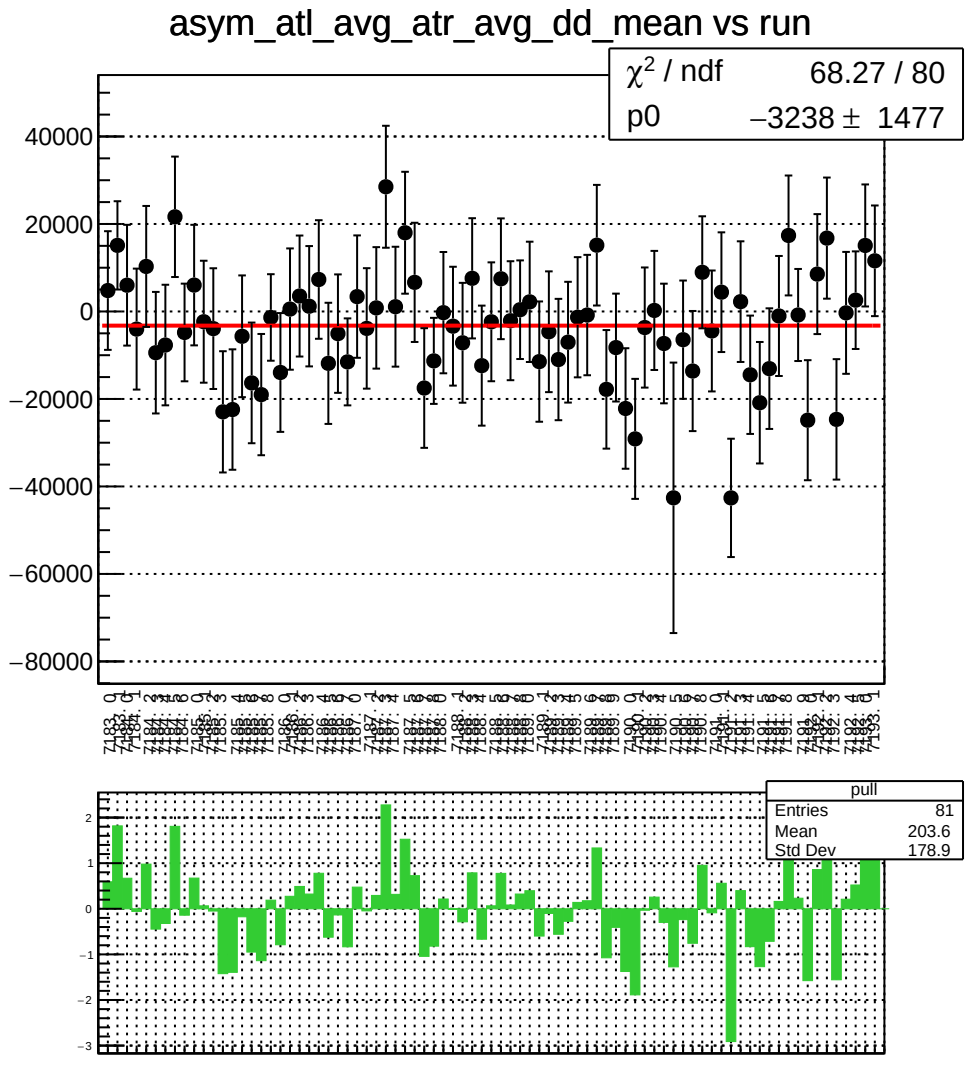

pull1D
Entries 81
Mean −0.01198
Std Dev 0.9494
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

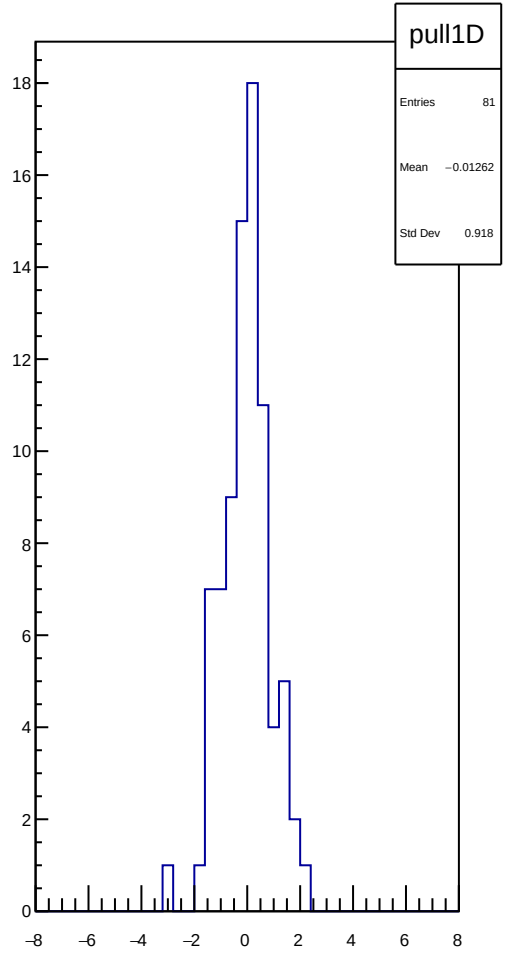

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5765 / 80
p0 1285 ± 1.027
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

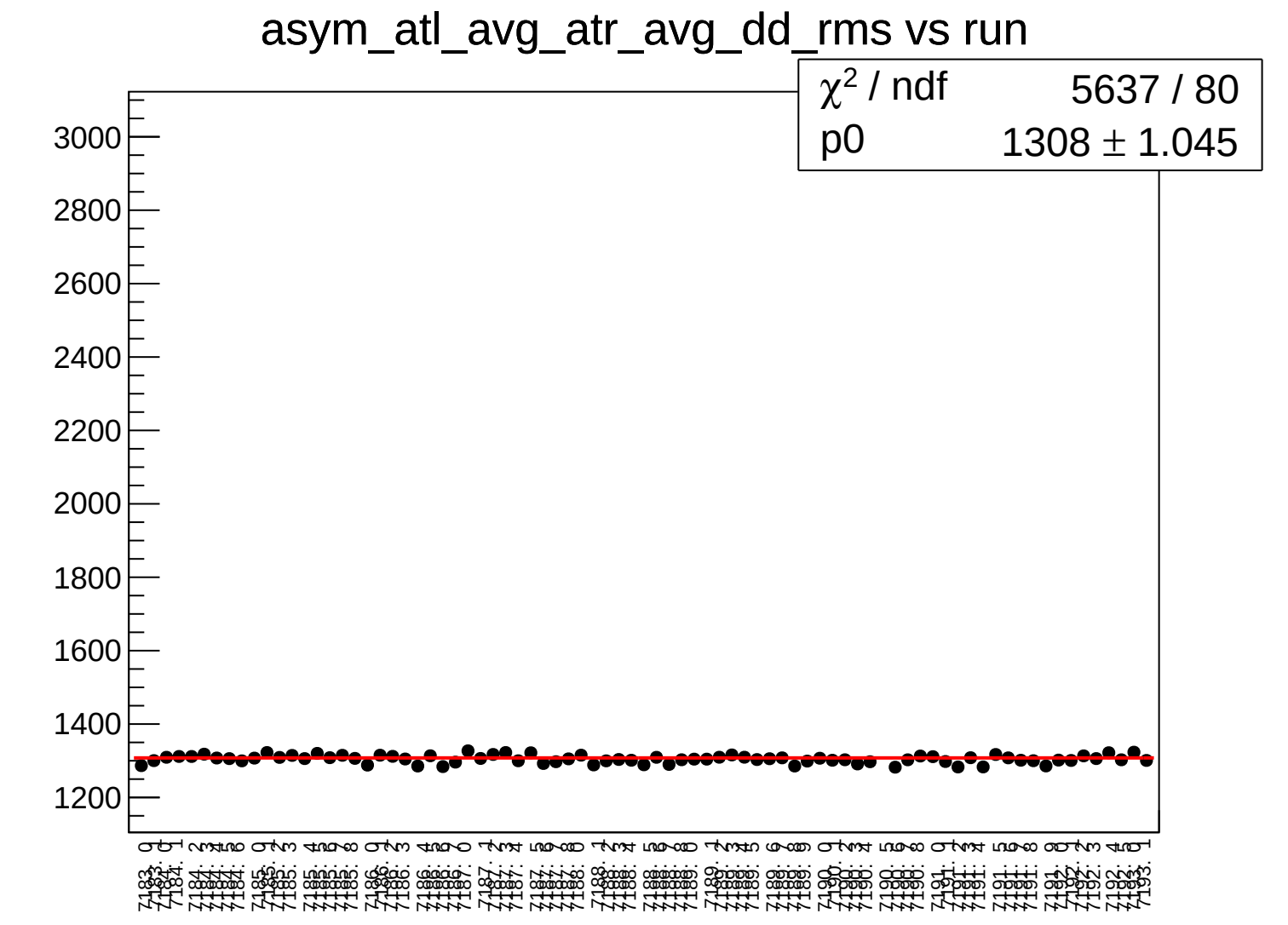

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 74.33 / 80
p0 263.4 ± 272.1
pull
Entries 81
Mean 1.424e+04
Std Dev 1.424e+04

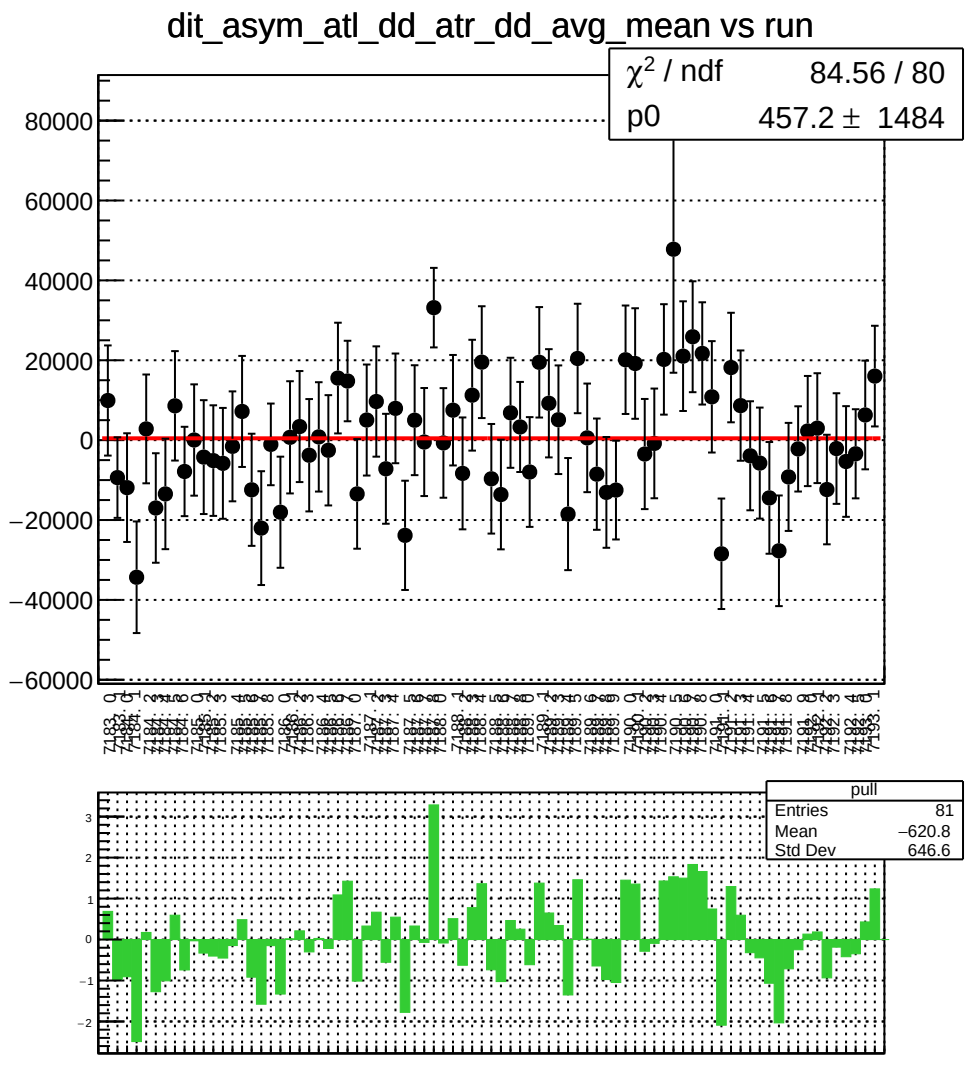

pull1D
Entries 81
Mean 4.084e−05
Std Dev 0.958

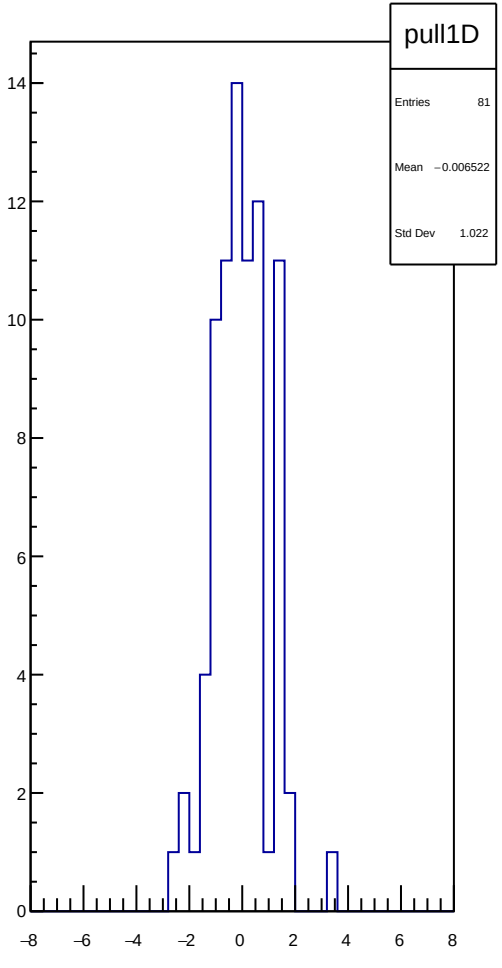

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2086 / 80
p0 241.2 ± 0.1924
260
250
240
230
220

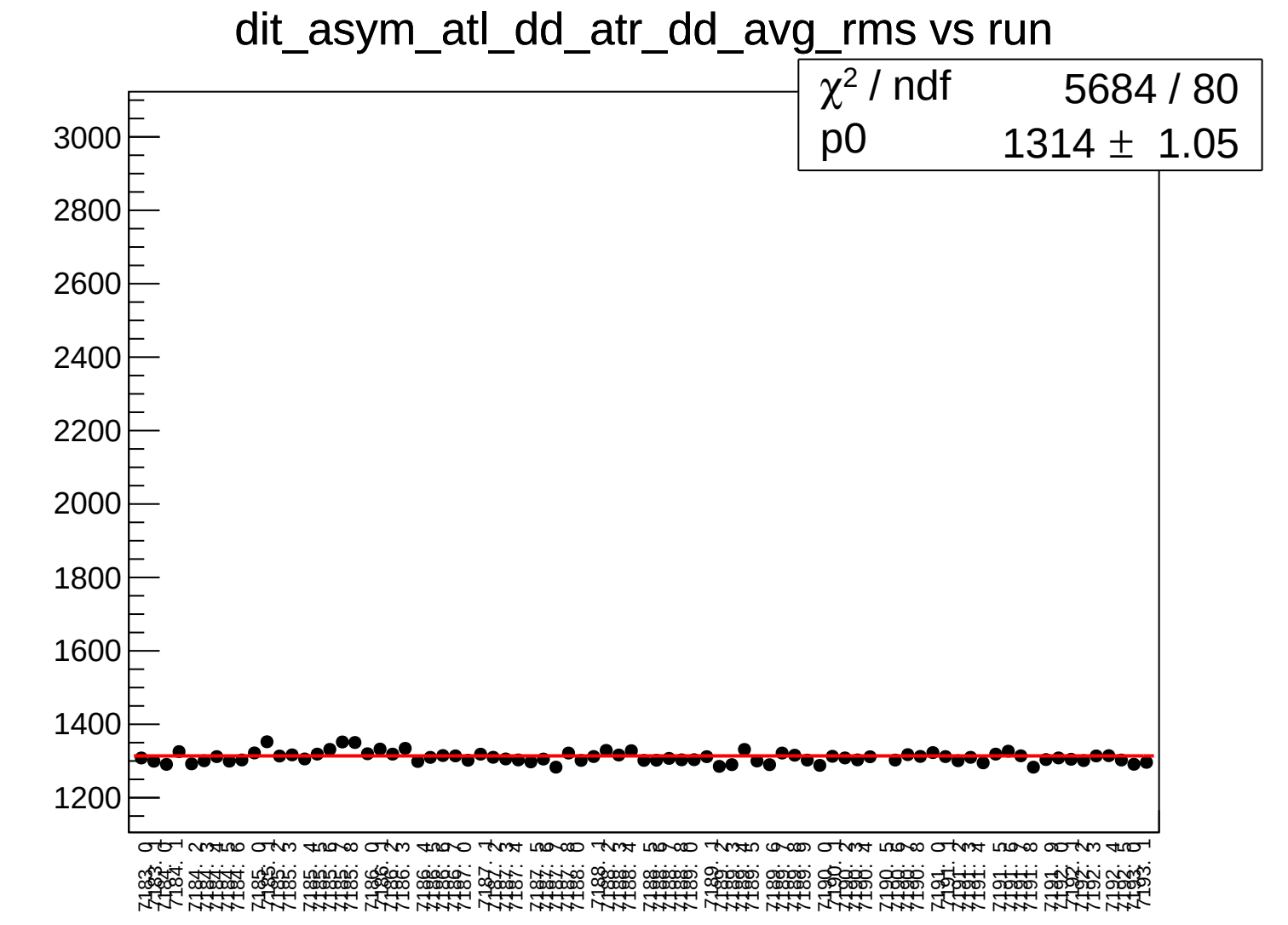

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 68.27 / 80
p0 −3238 ± 1477
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 203.6
Std Dev 178.9
2
1
0
−1
−2
−3

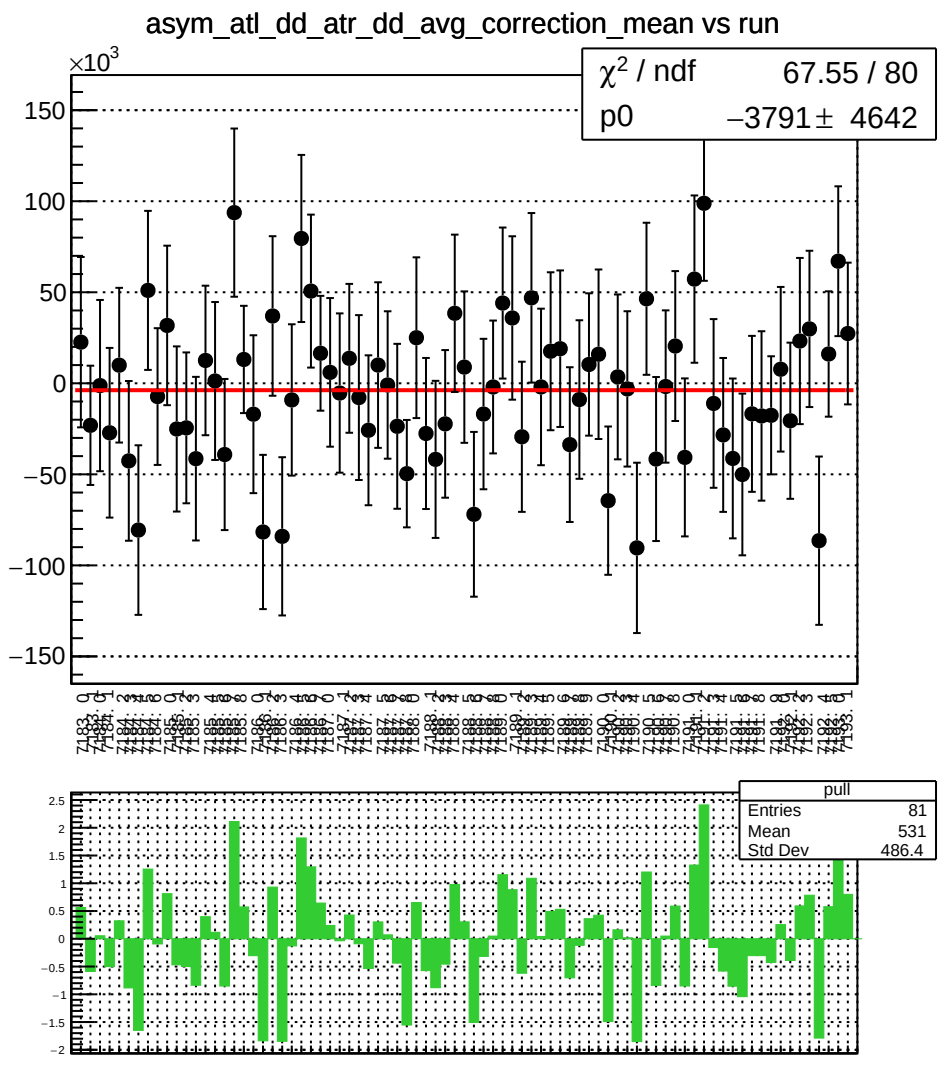

pull1D
Entries 81
Mean −0.01262
Std Dev 0.918
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

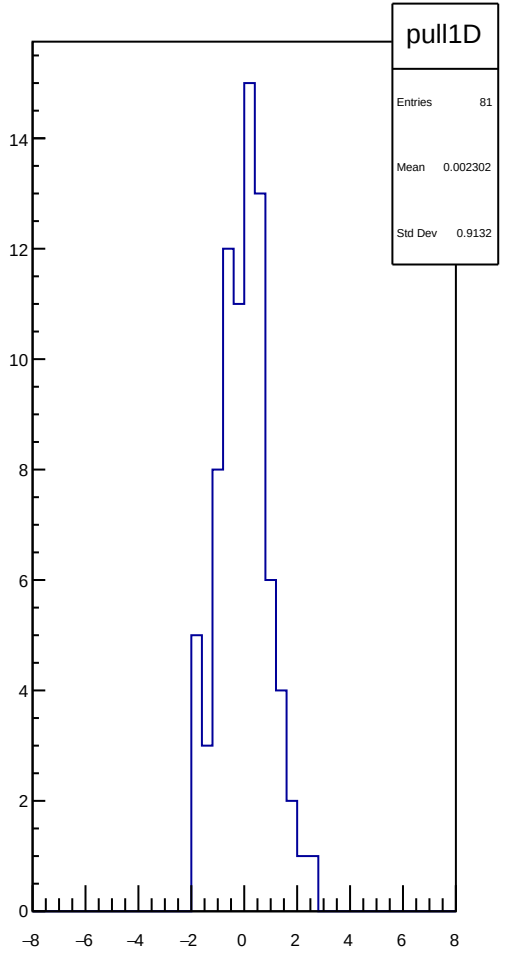

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5637 / 80
p0 1308 ± 1.045
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

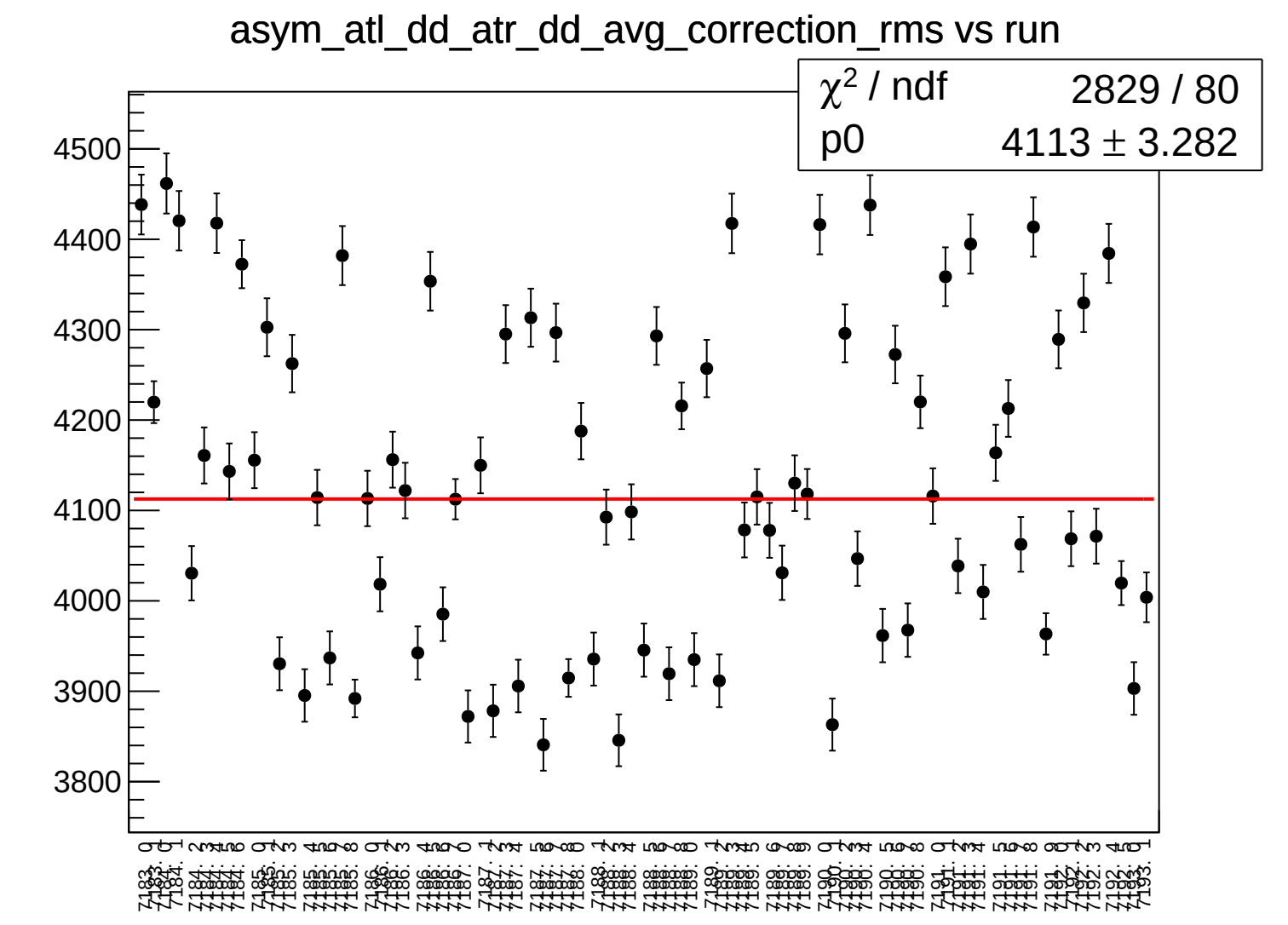

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 84.56 / 80
p0 457.2 ± 1484
pull
Entries 81
Mean −620.8
Std Dev 646.6

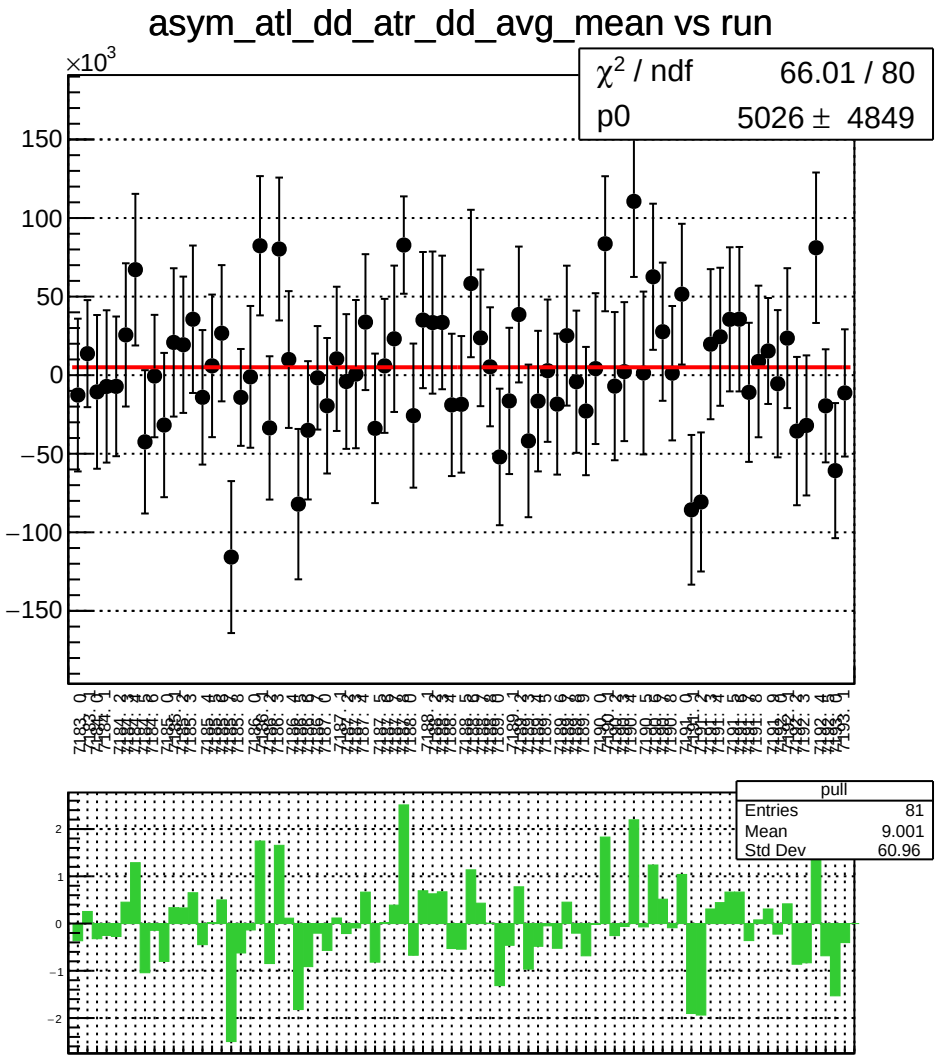

pull1D
Entries 81
Mean −0.006522
Std Dev 1.022

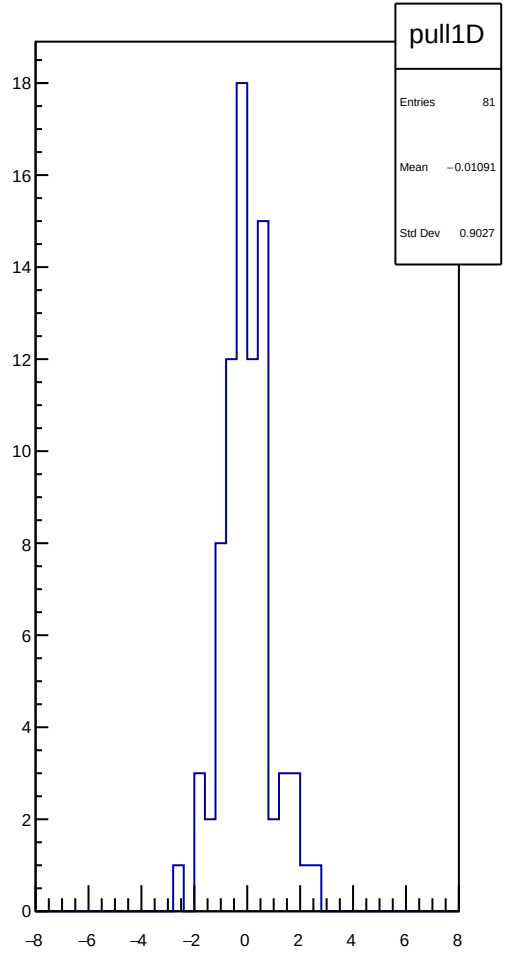

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 5684 / 80
p0 1314 ± 1.05
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

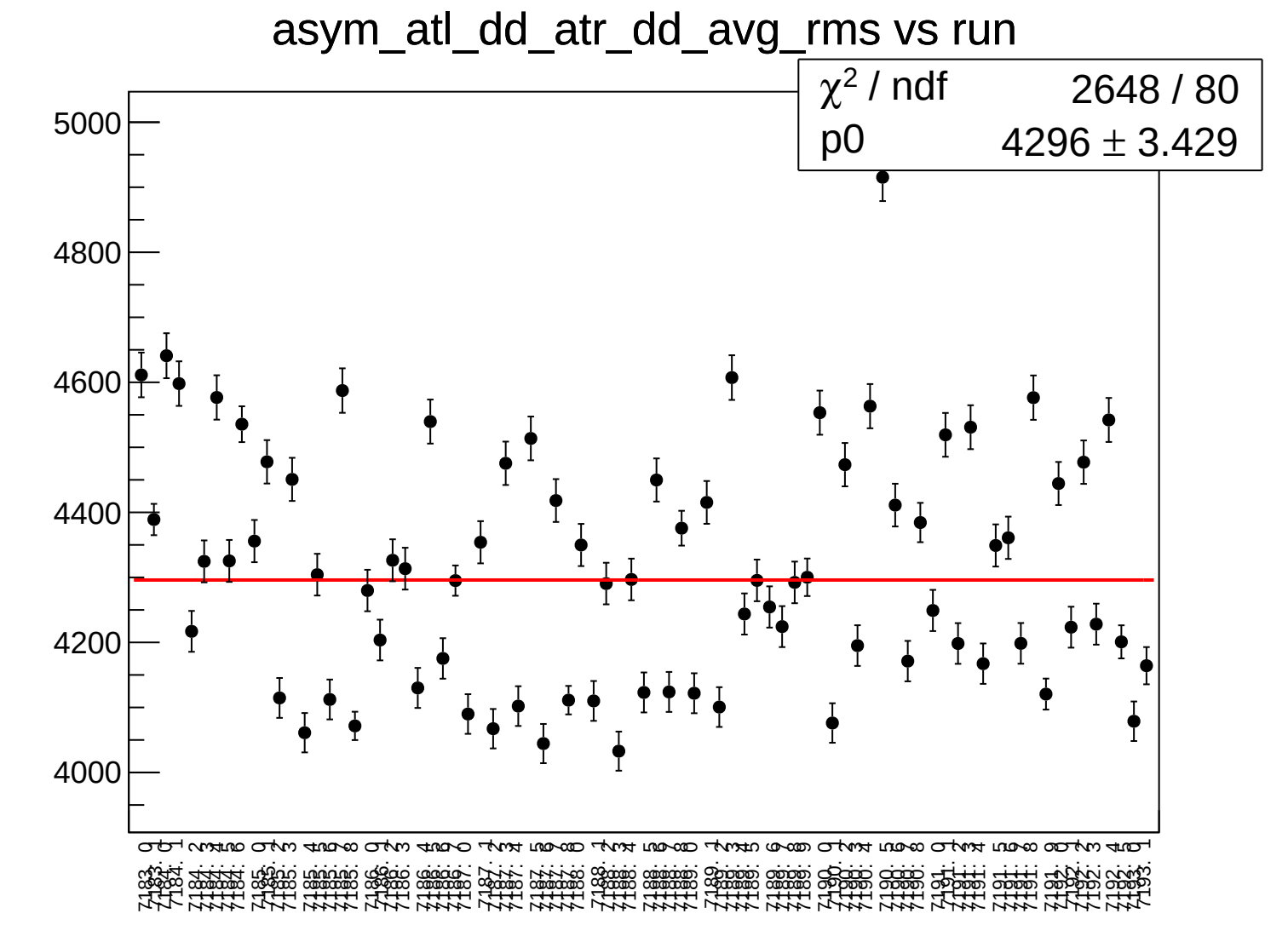

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 67.55 / 80
p0 −3791 ± 4642
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 531
Std Dev 486.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

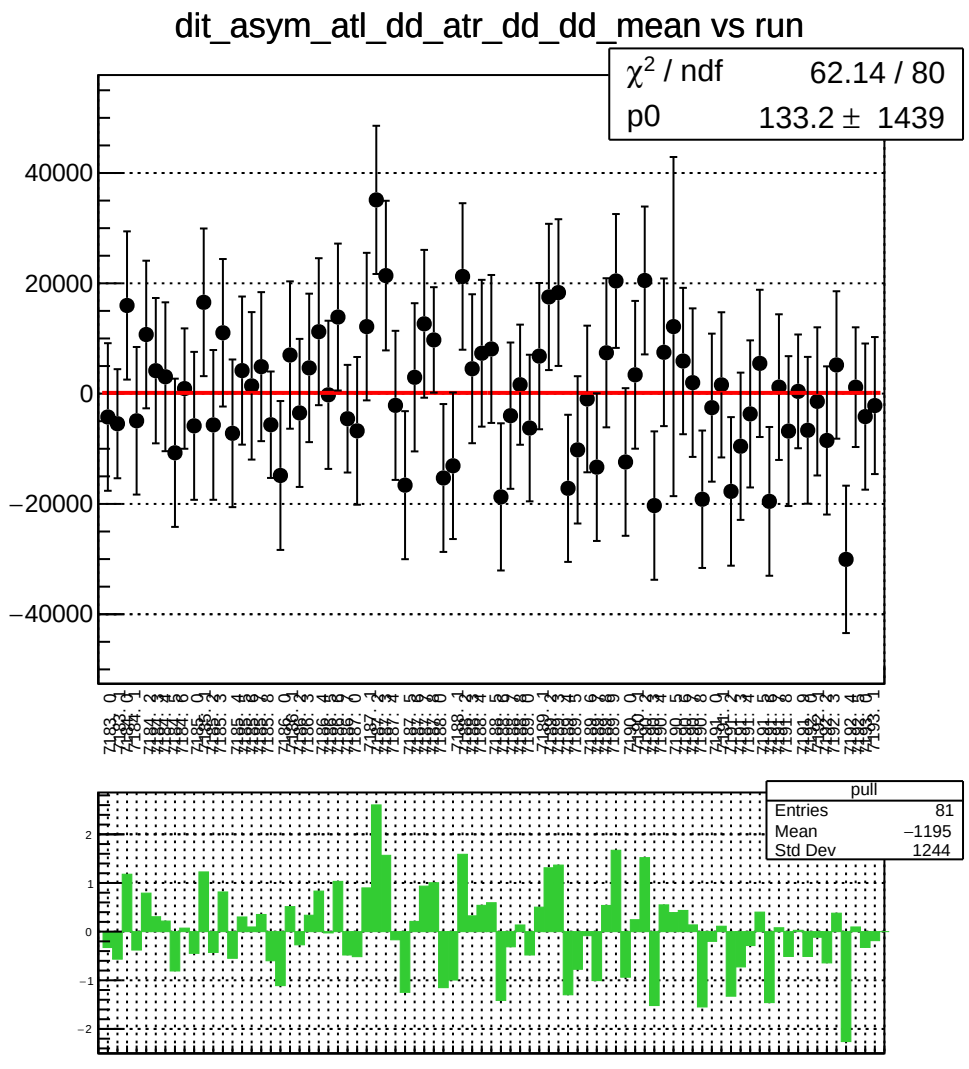

pull1D
Entries 81
Mean 0.002302
Std Dev 0.9132
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

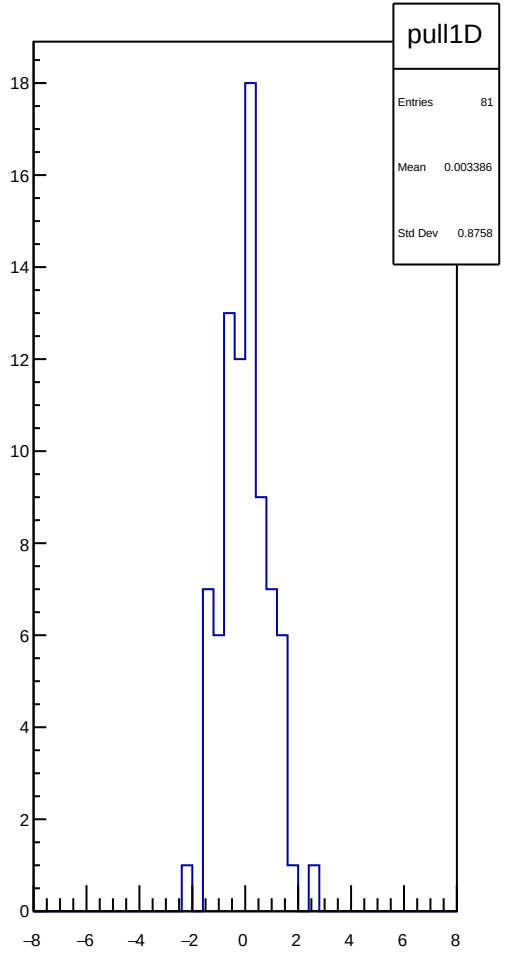

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2829 / 80
p0 4113 ± 3.282
4500
4400
4300
4200
4100
4000
3900
3800

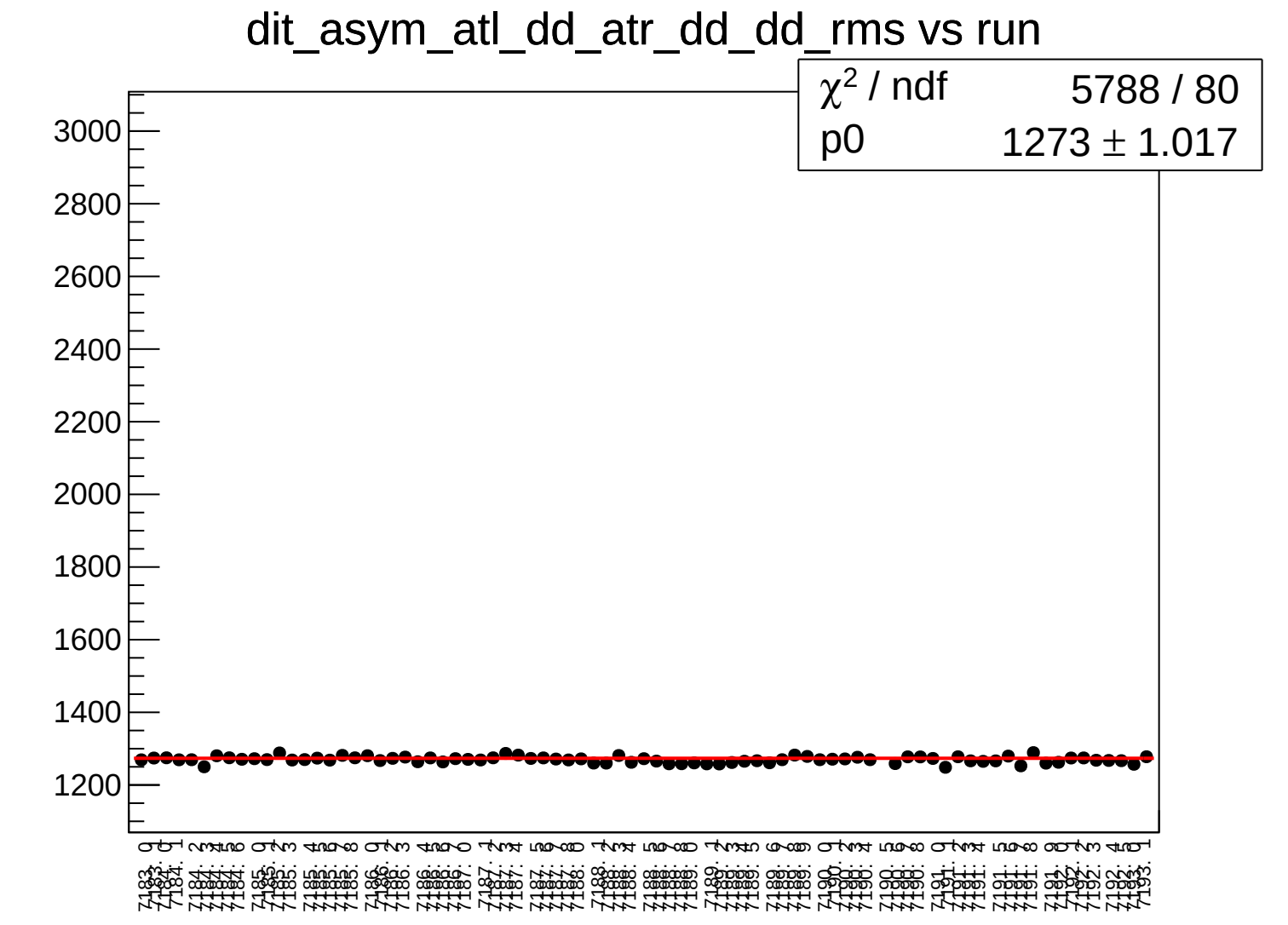

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 66.01 / 80
p0 5026 ± 4849
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 9.001
Std Dev 60.96
2
1
0
−1
−2

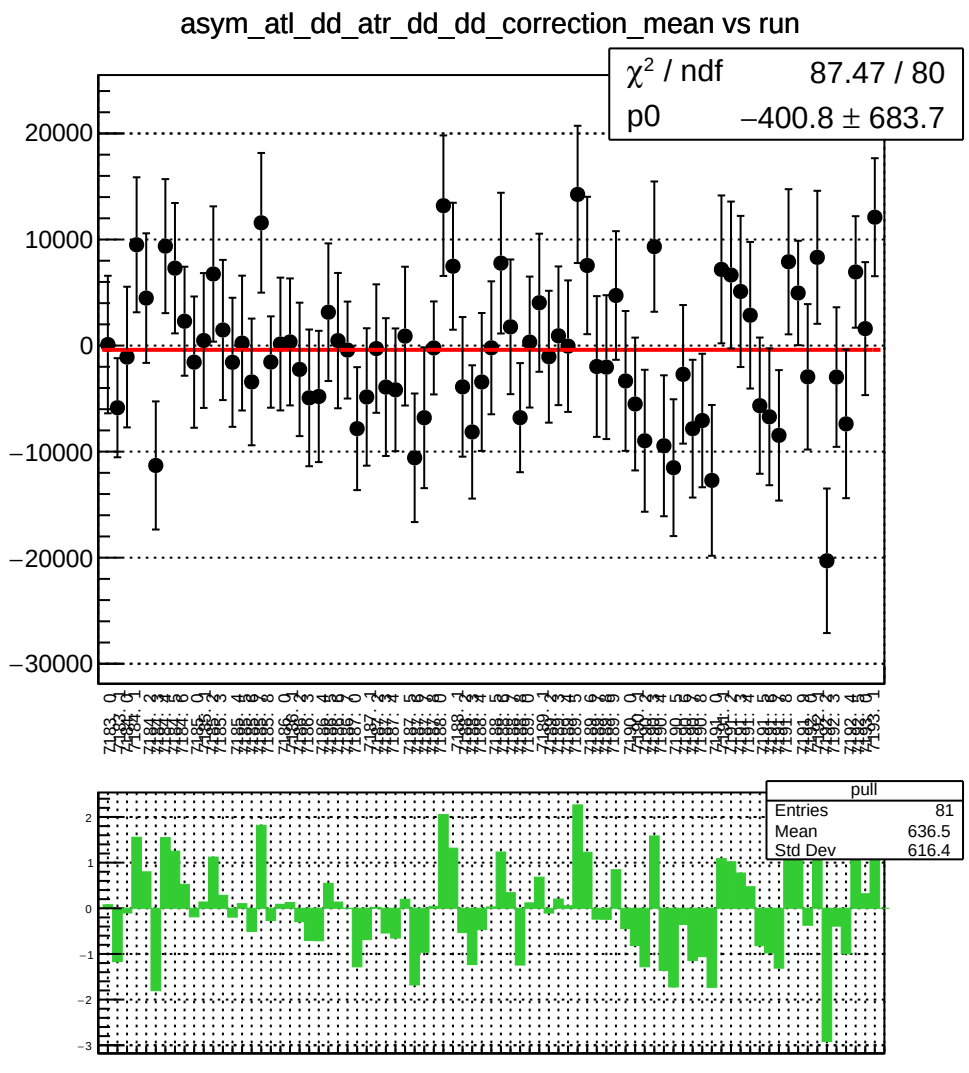

pull1D
Entries 81
Mean −0.01091
Std Dev 0.9027
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

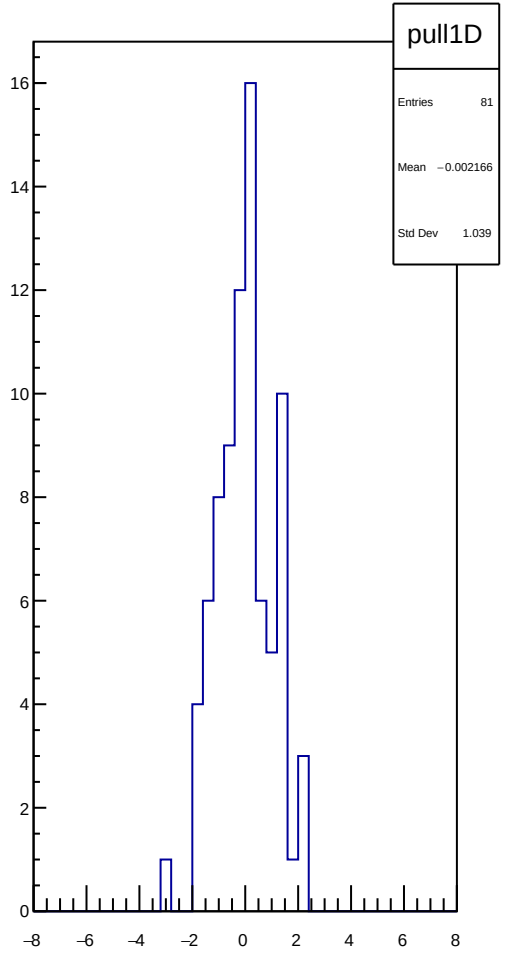

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2648 / 80
p0 4296 ± 3.429
5000
4800
4600
4400
4200
4000

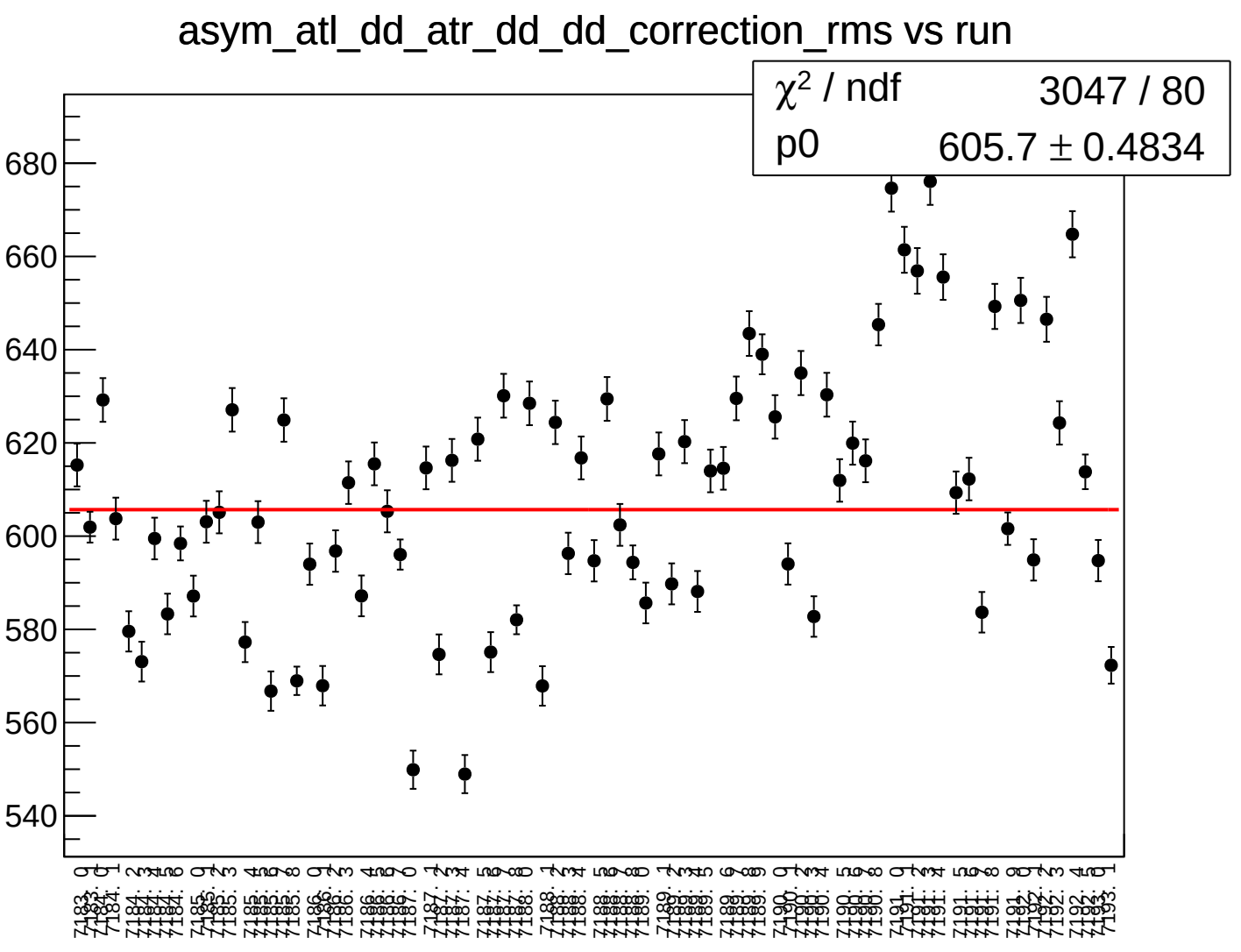

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 62.14 / 80
p0 133.2 ± 1439
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −1195
Std Dev 1244
2
1
0
−1
−2

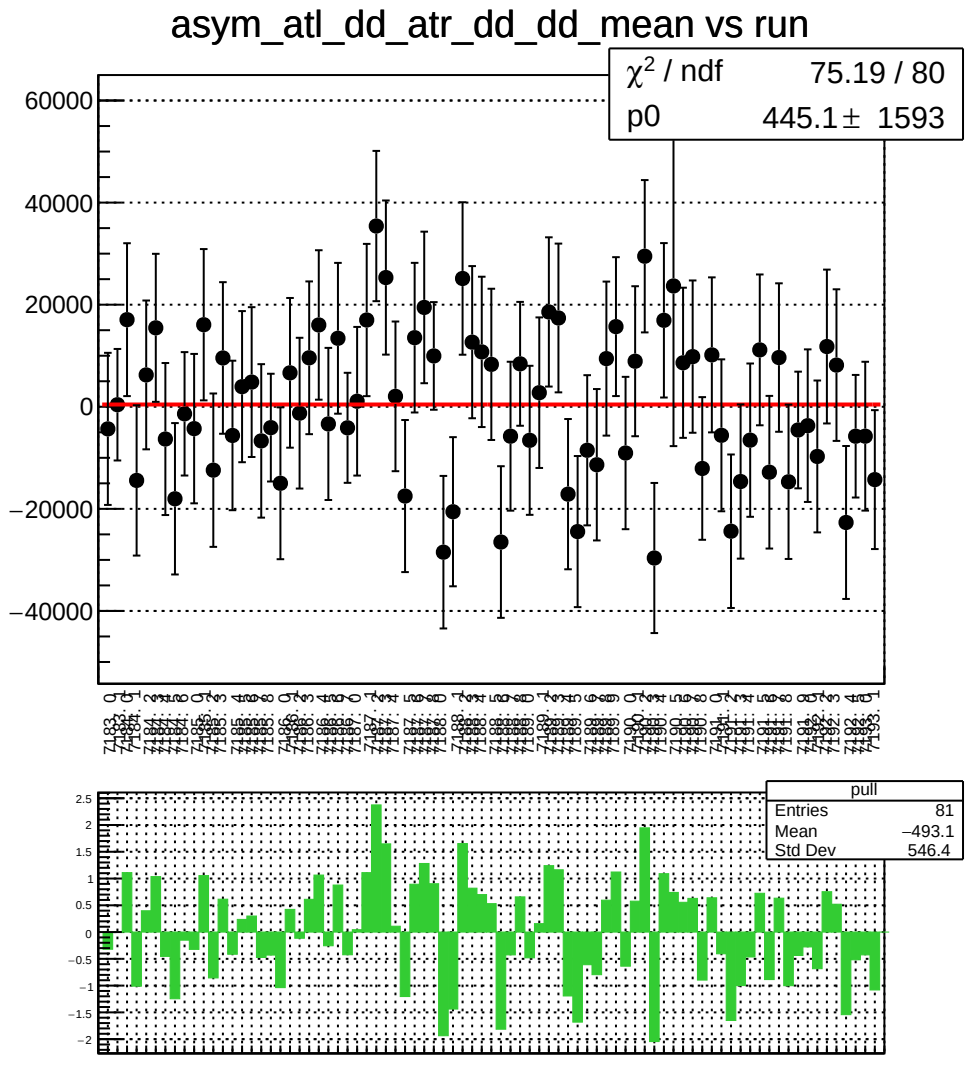

pull1D
Entries 81
Mean 0.003386
Std Dev 0.8758
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

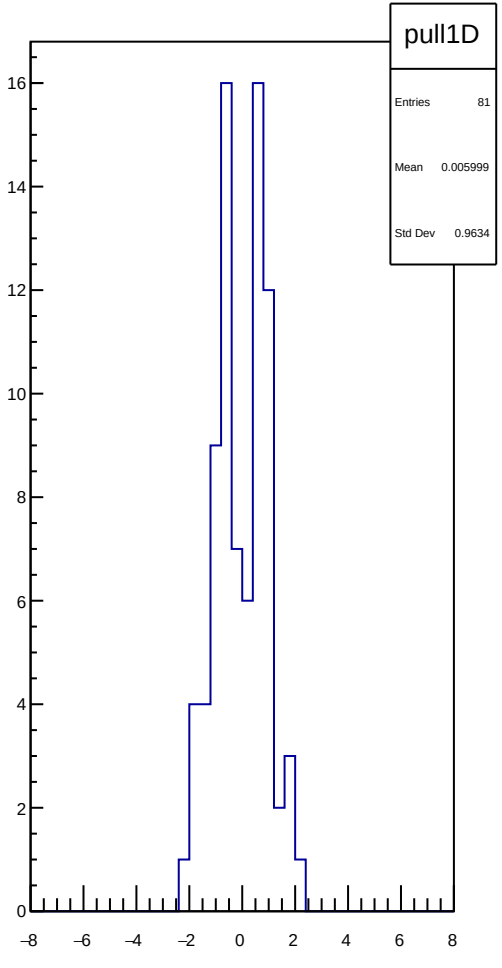

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5788 / 80
p0 1273 ± 1.017
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

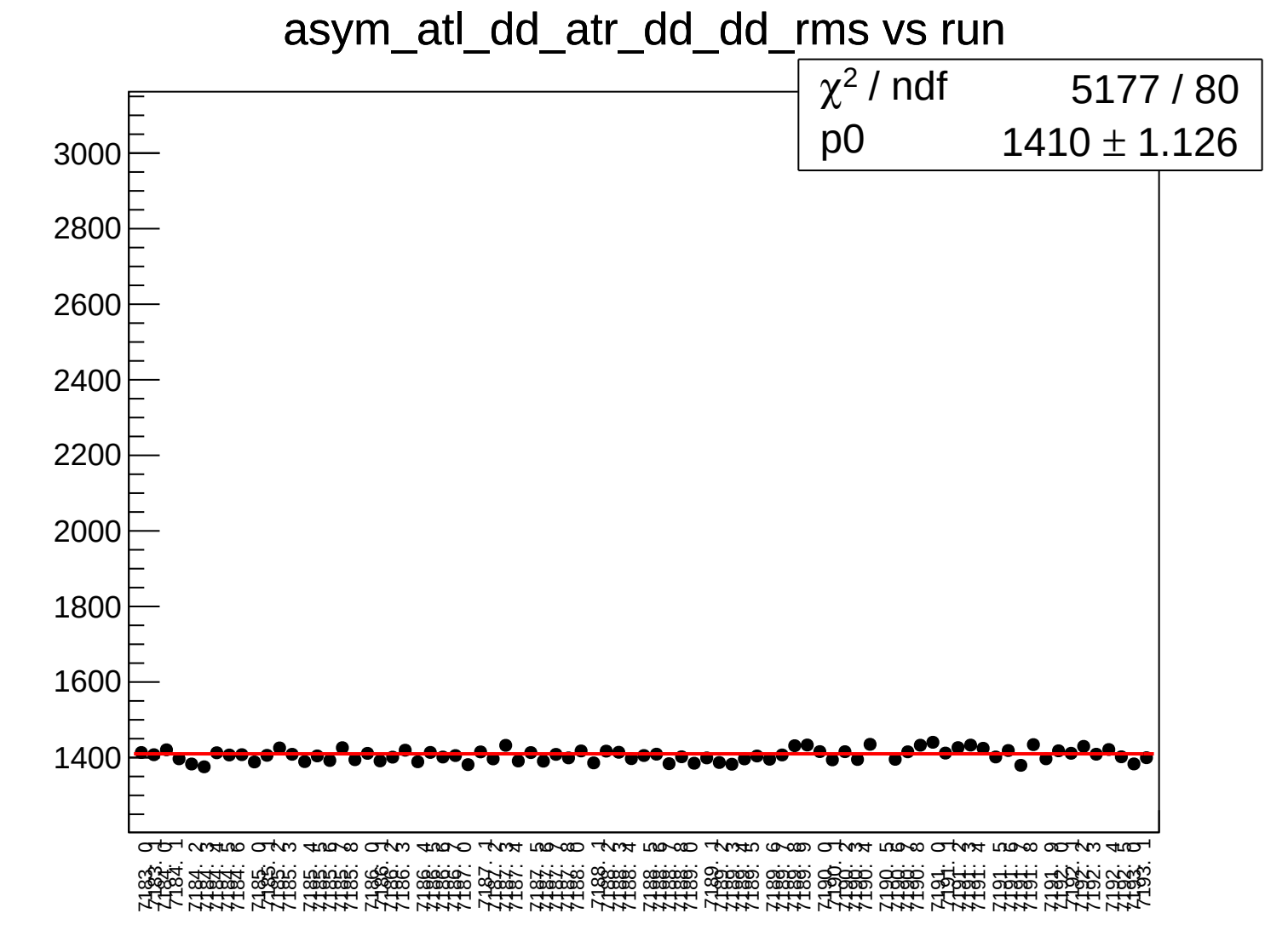

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 87.47 / 80
p0 −400.8 ± 683.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 636.5
Std Dev 616.4
2
1
0
−1
−2
−3

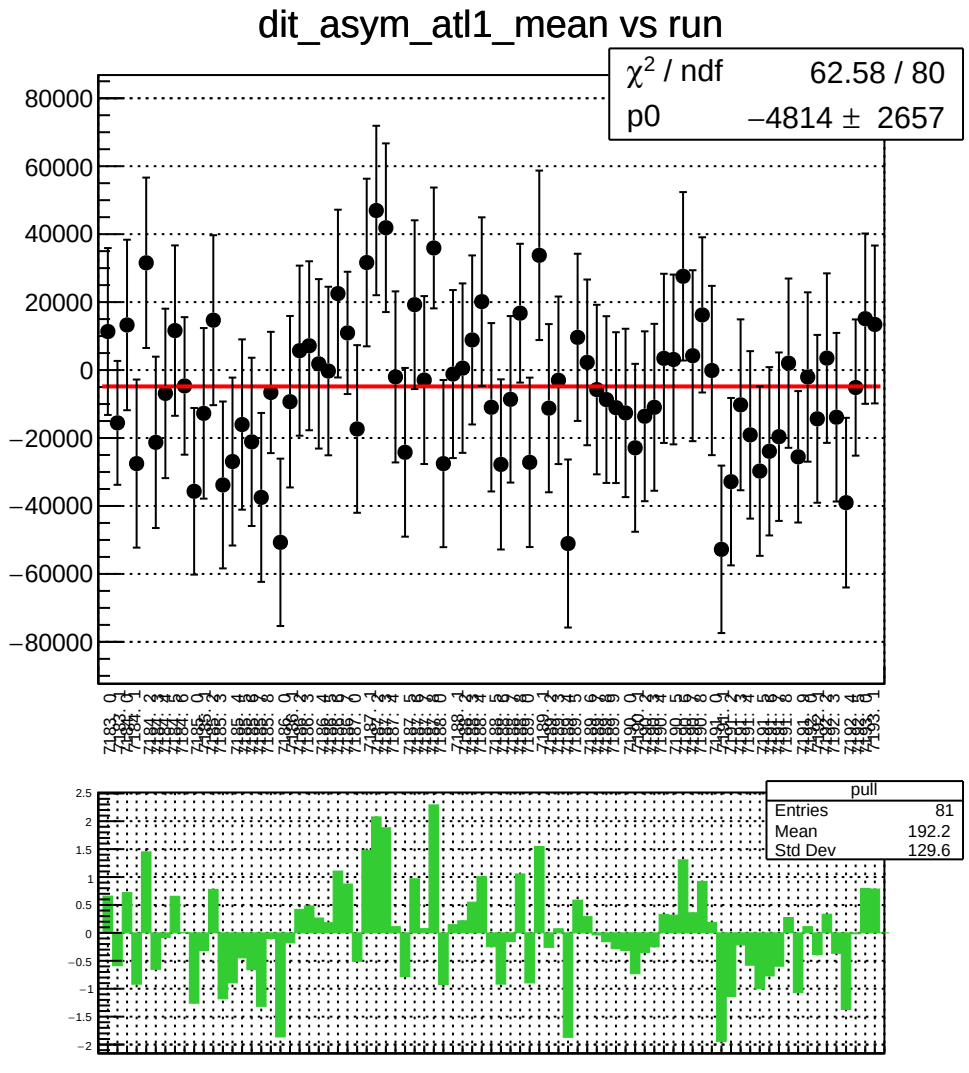

pull1D
Entries 81
Mean −0.002166
Std Dev 1.039
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

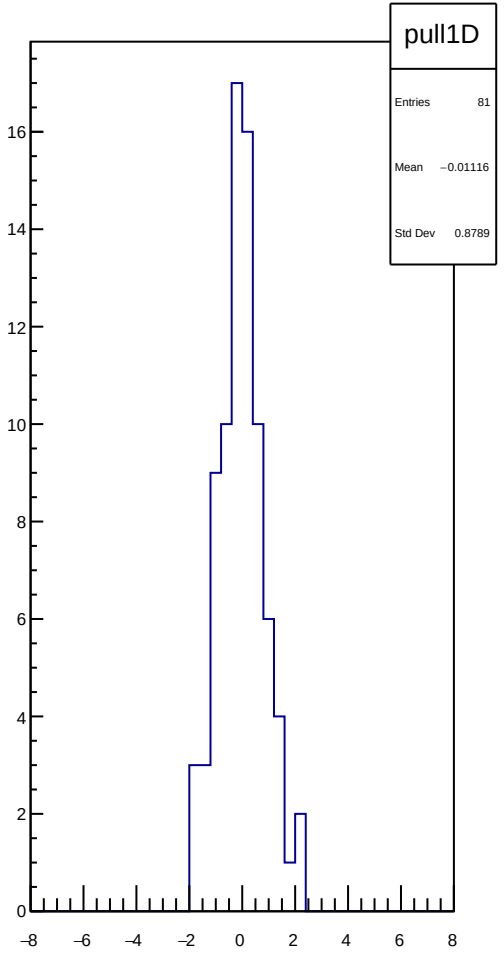

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3047 / 80
p0 605.7 ± 0.4834
680
660
640
620
600
580
560
540

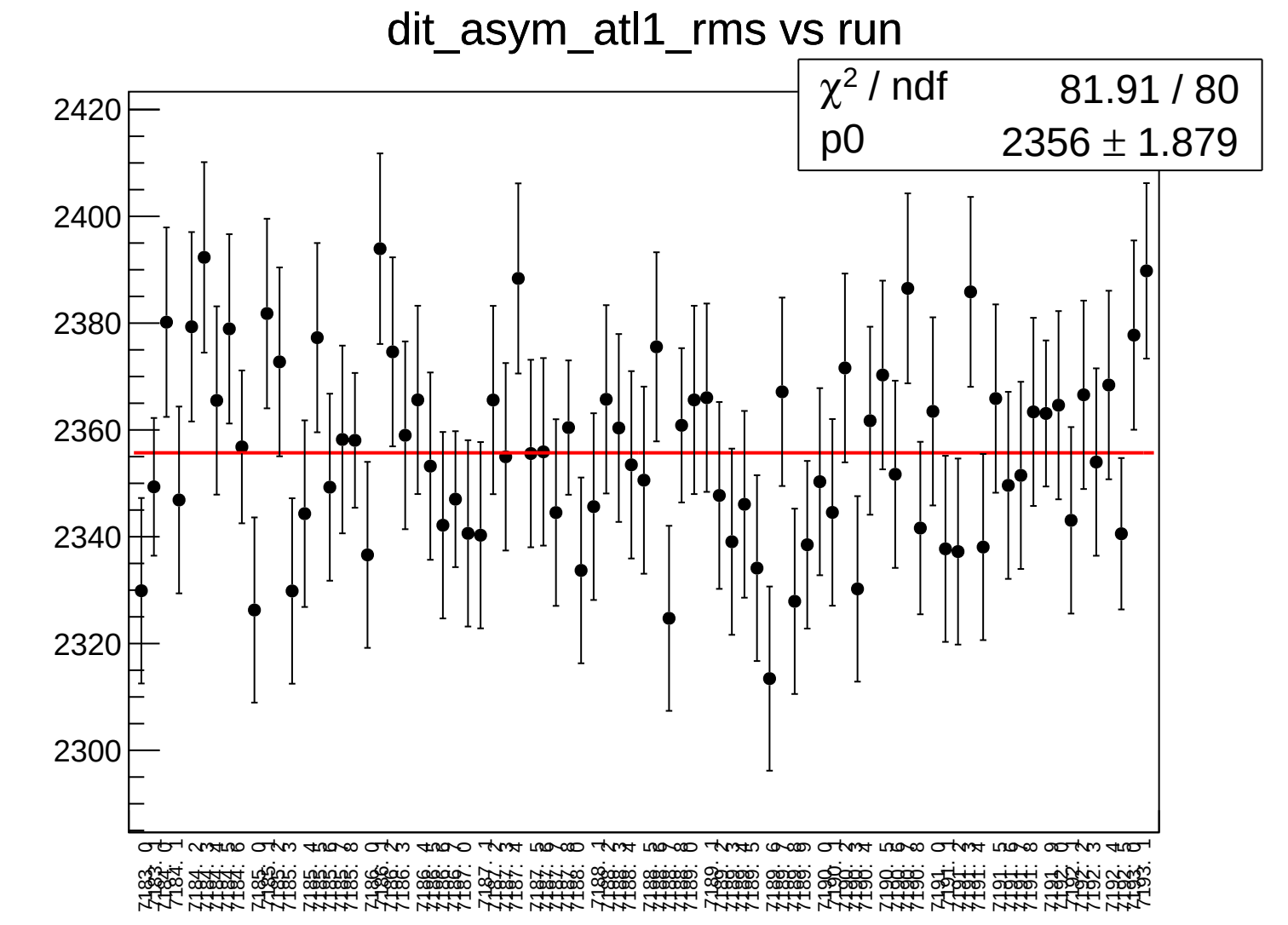

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 75.19 / 80
p0 445.1 ± 1593
pull
Entries 81
Mean −493.1
Std Dev 546.4

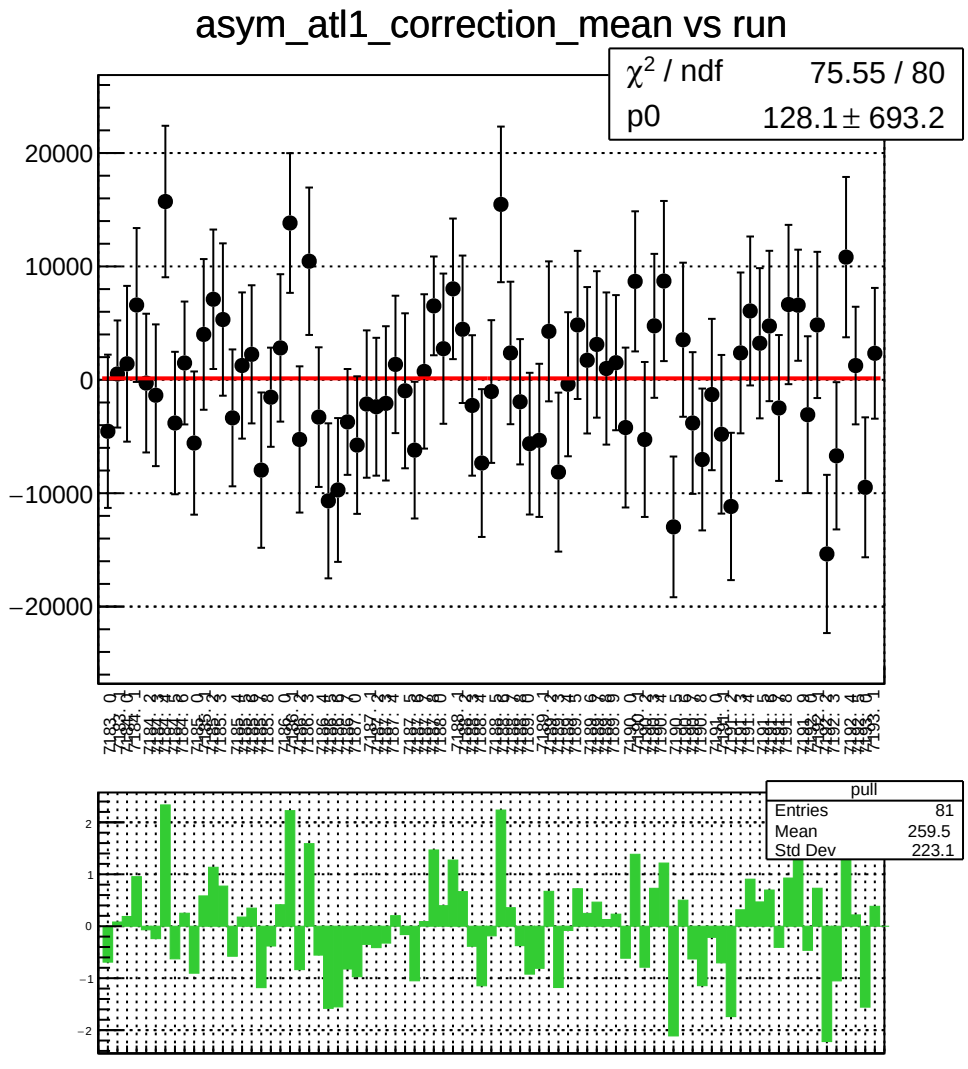

pull1D
Entries 81
Mean 0.005999
Std Dev 0.9634

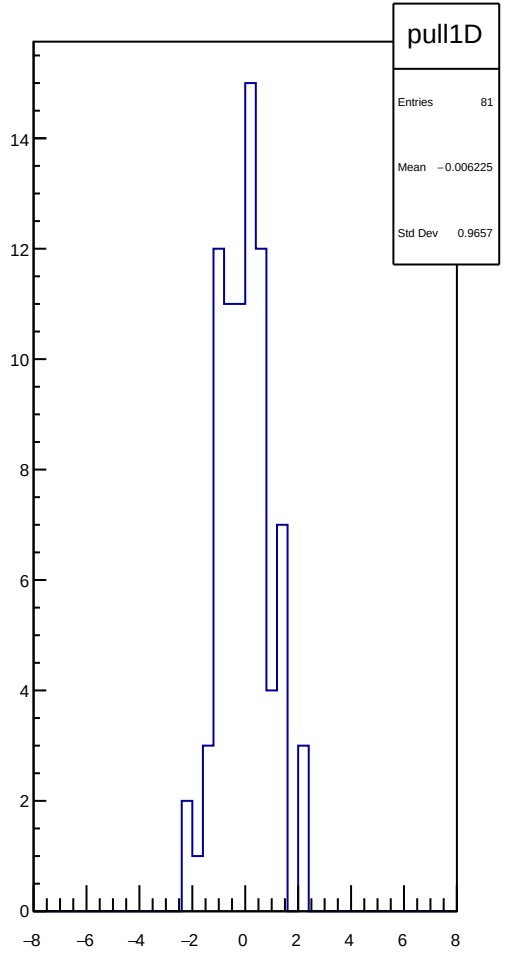

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5177 / 80
p0 1410 ± 1.126
3000
2800
2600
2400
2200
2000
1800
1600
1400

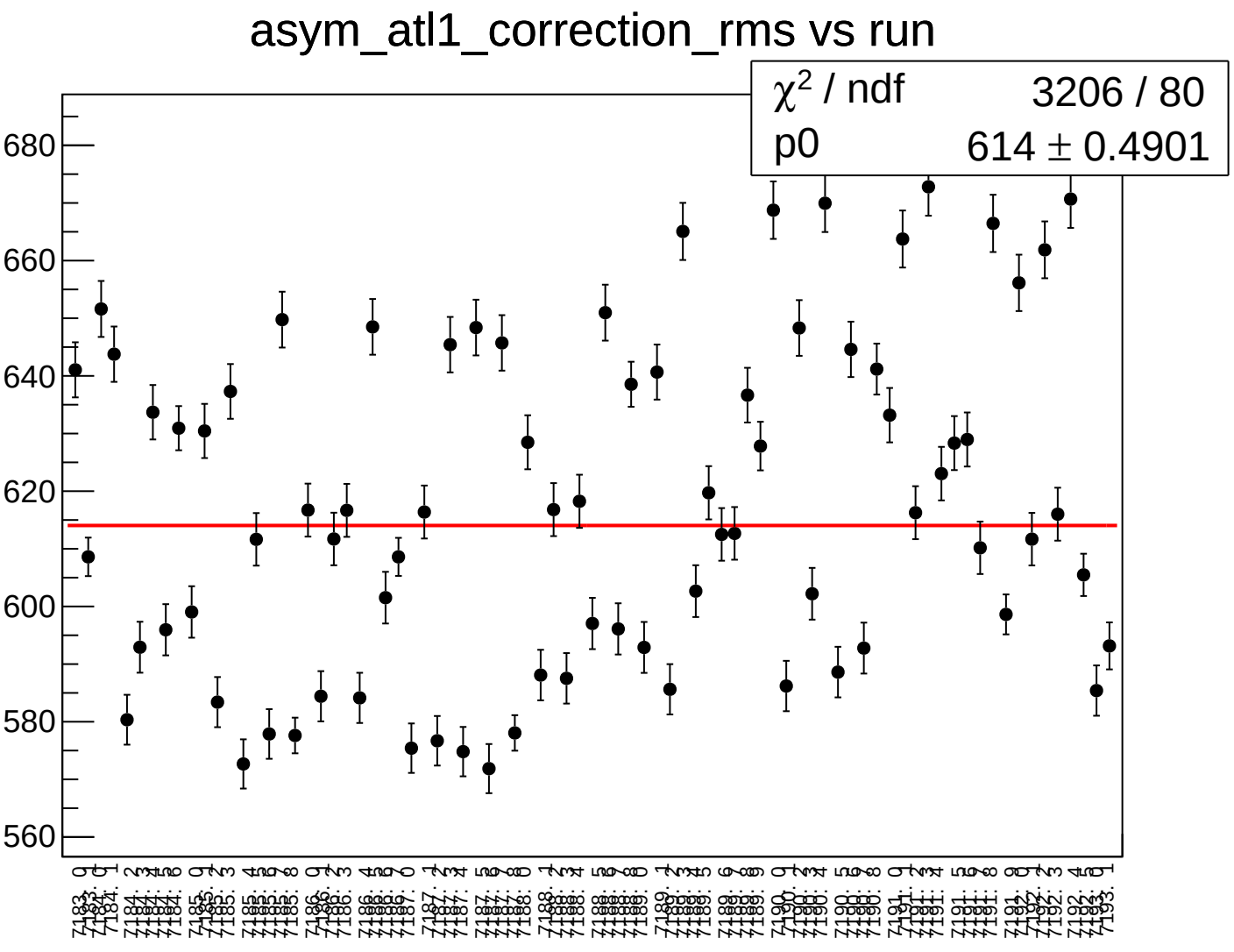

dit_asym_atl1_mean vs run
χ² / ndf 62.58 / 80
p0 −4814 ± 2657
pull
Entries 81
Mean 192.2
Std Dev 129.6

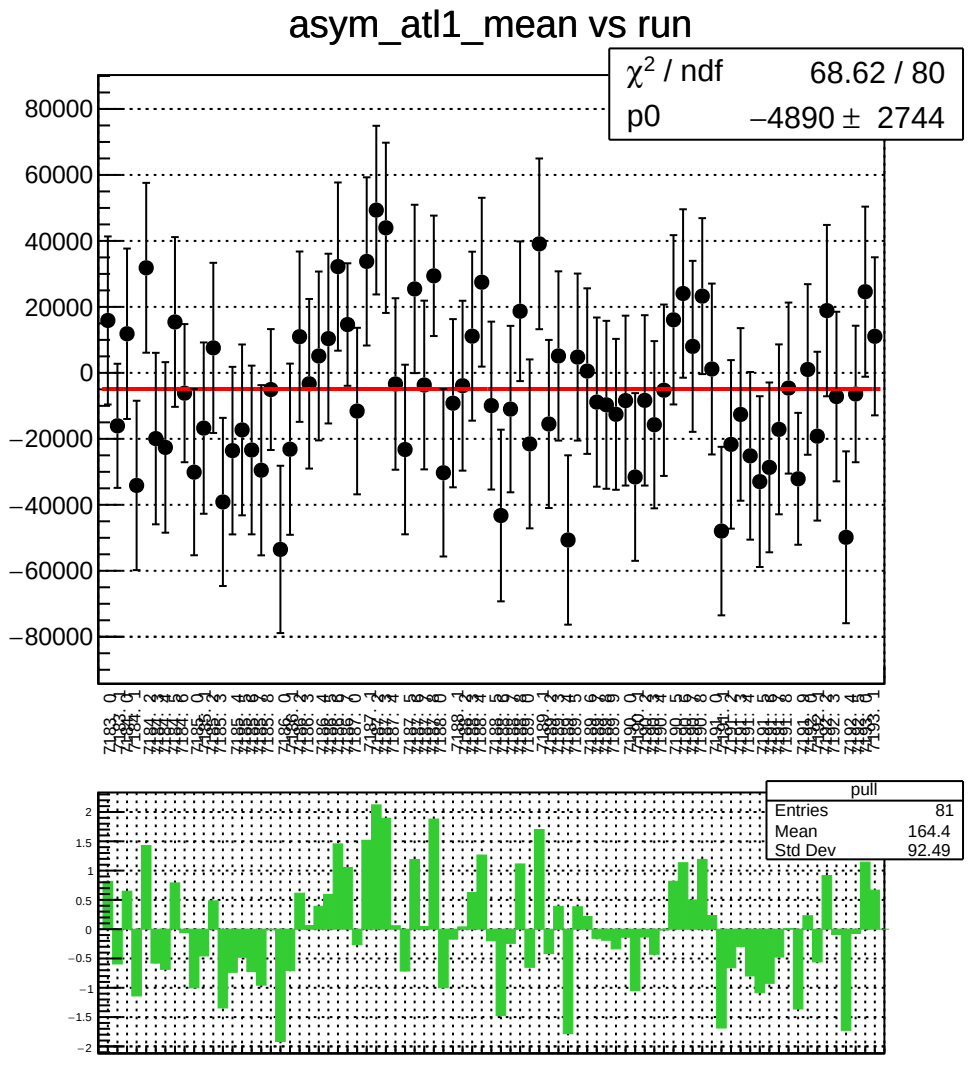

pull1D
Entries 81
Mean −0.01116
Std Dev 0.8789

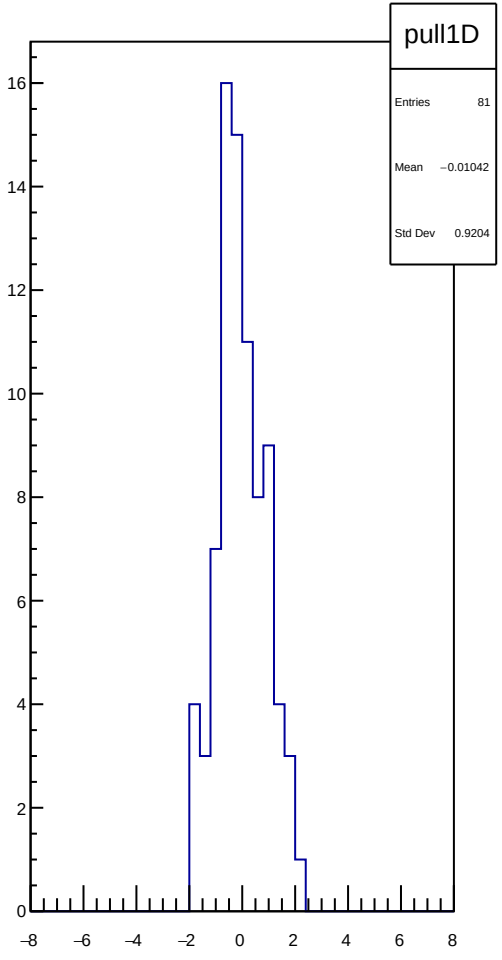

dit_asym_atl1_rms vs run
$\chi^2$ / ndf 81.91 / 80
p0 2356 ± 1.879
2420
2400
2380
2360
2340
2320
2300

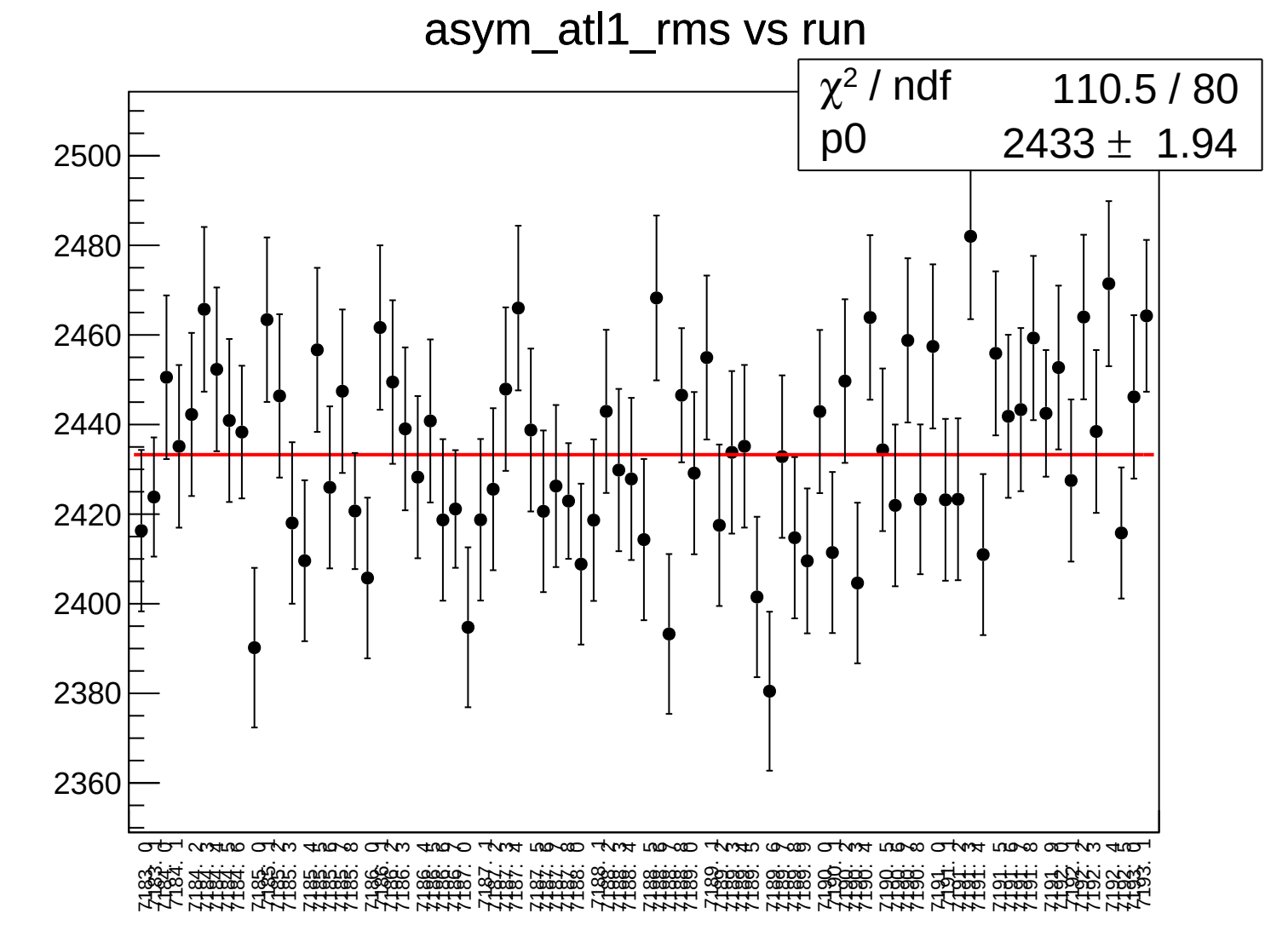

asym_atl1_correction_mean vs run
χ² / ndf 75.55 / 80
p0 128.1 ± 693.2
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 259.5
Std Dev 223.1
2
1
0
−1
−2

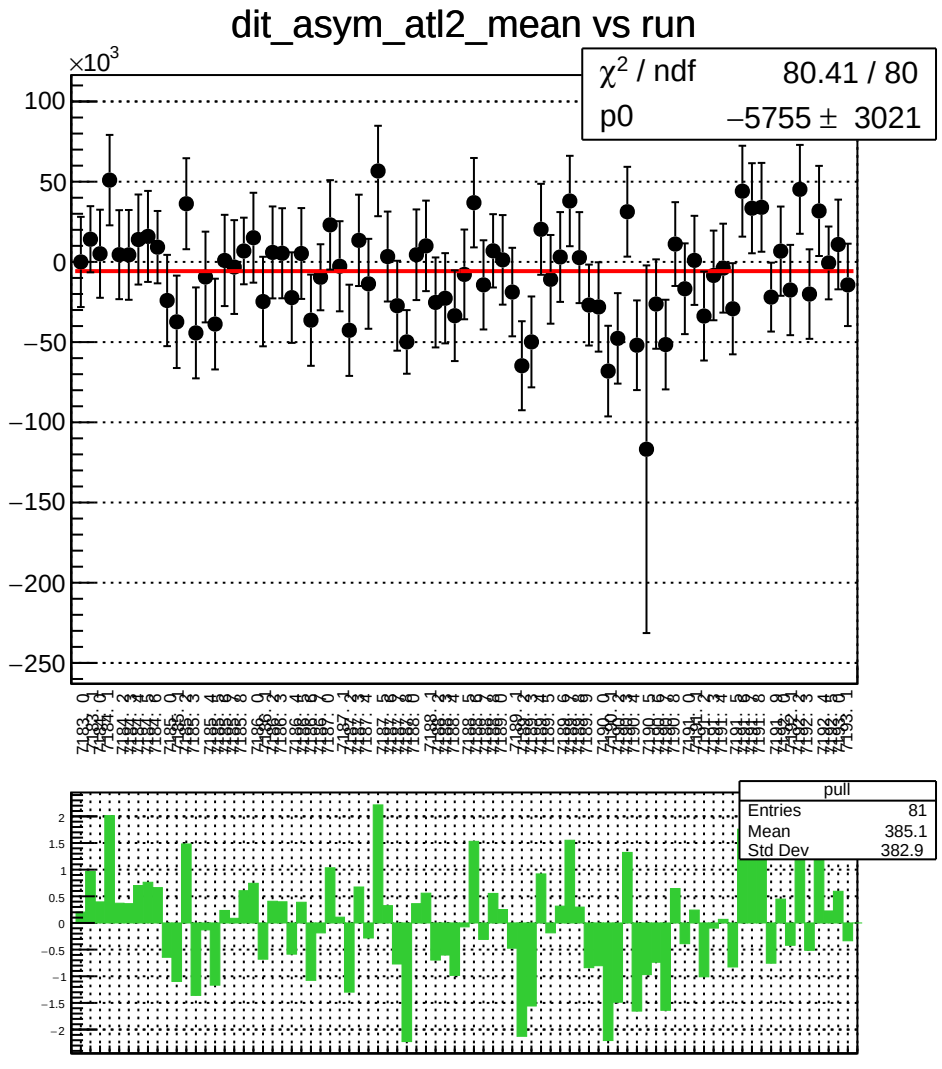

pull1D
Entries 81
Mean −0.006225
Std Dev 0.9657
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

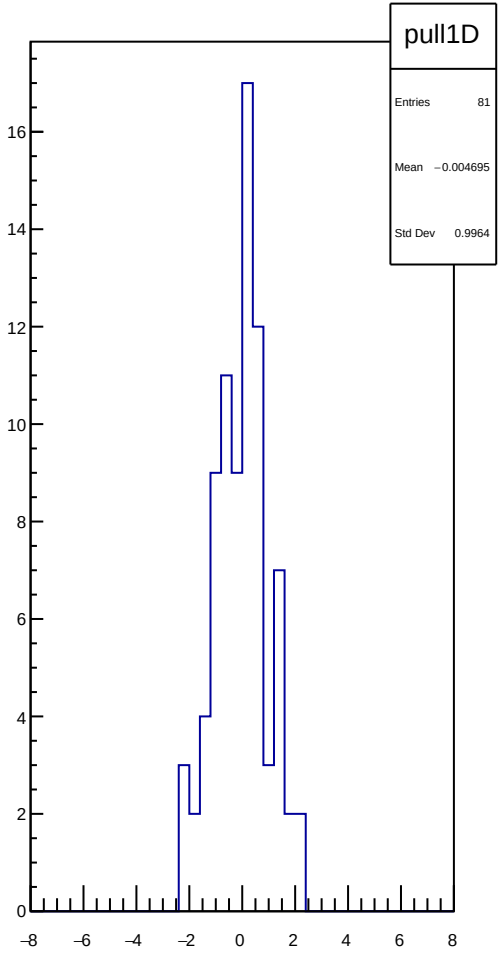

asym_atl1_correction_rms vs run
$\chi^2$ / ndf 3206 / 80
p0 614 ± 0.4901
680
660
640
620
600
580
560

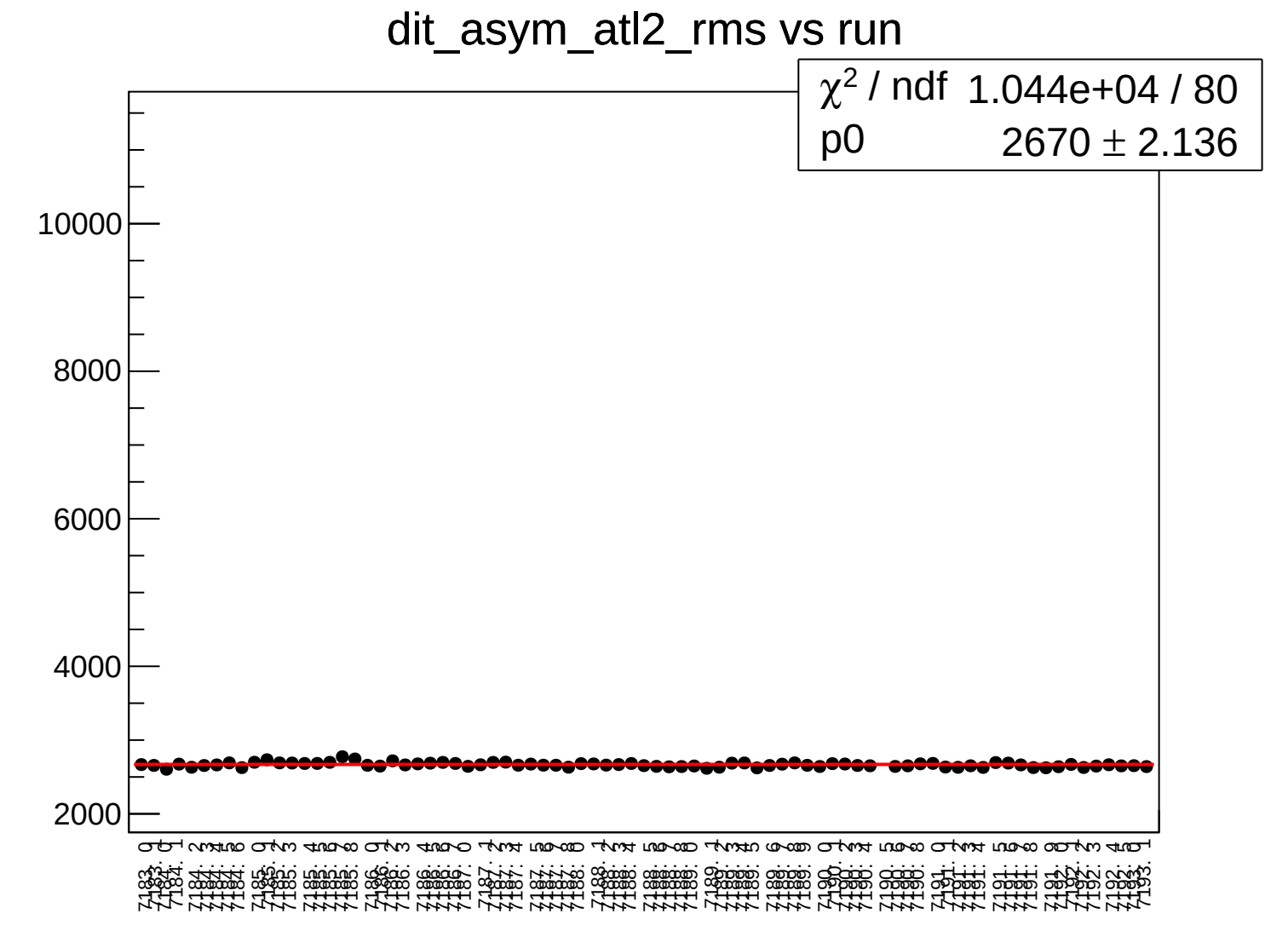

asym_atl1_mean vs run
χ² / ndf 68.62 / 80
p0 −4890 ± 2744
pull
Entries 81
Mean 164.4
Std Dev 92.49

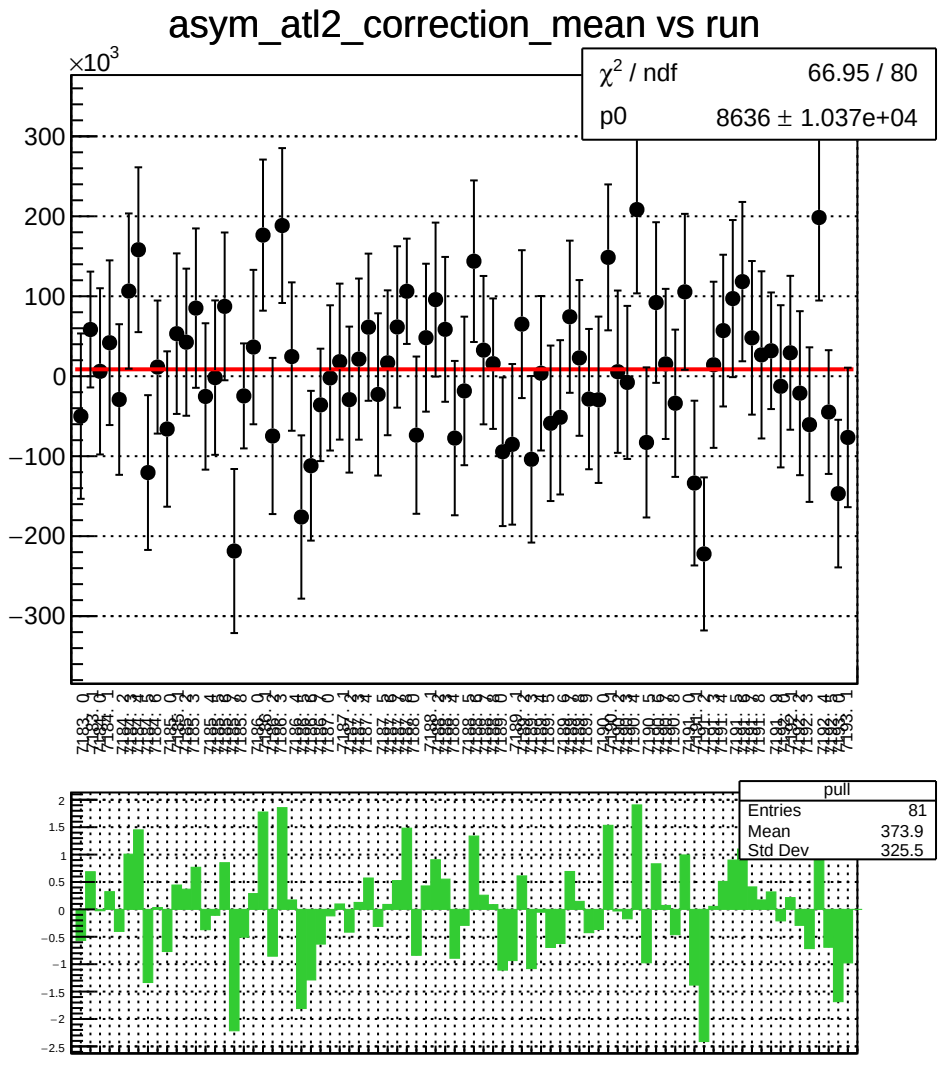

pull1D
Entries 81
Mean −0.01042
Std Dev 0.9204

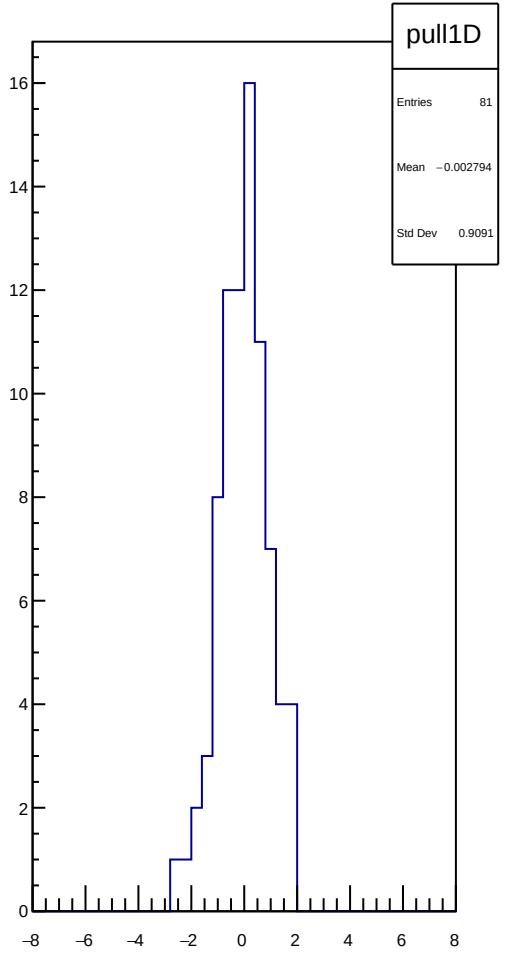

asym_atl1_rms vs run
$\chi^2$ / ndf 110.5 / 80
p0 2433 ± 1.94
2500
2480
2460
2440
2420
2400
2380
2360

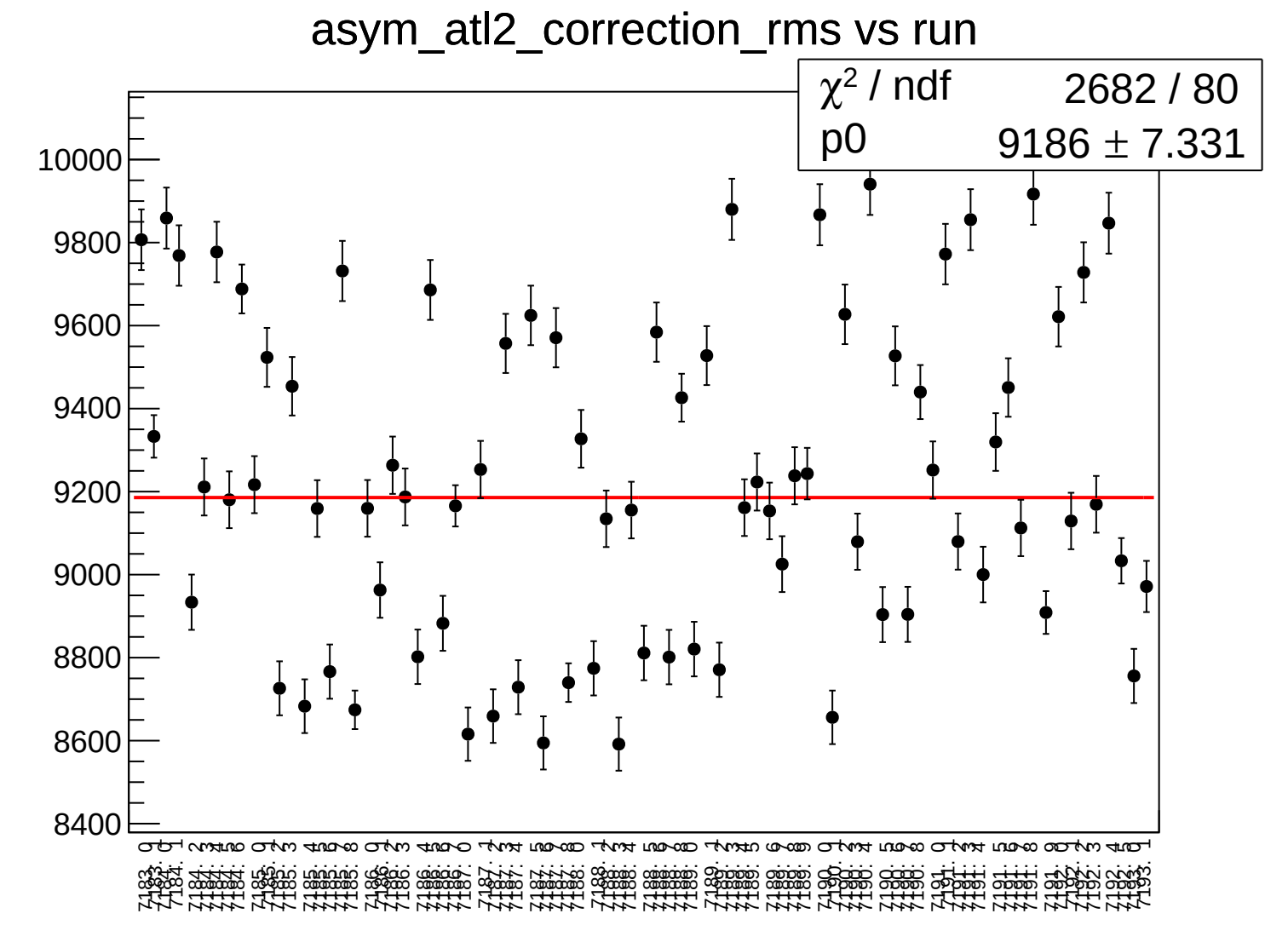

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 80.41 / 80
p0 −5755 ± 3021
pull
Entries 81
Mean 385.1
Std Dev 382.9

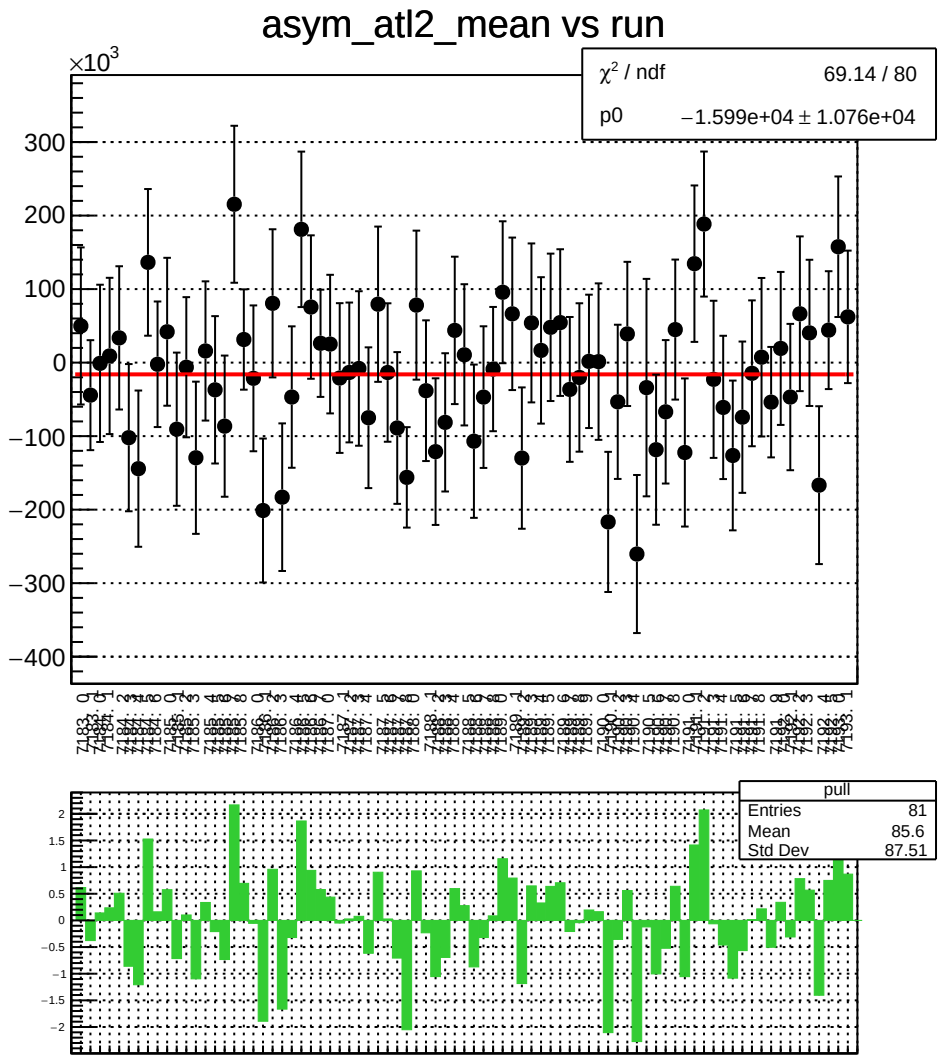

pull1D
Entries 81
Mean −0.004695
Std Dev 0.9964

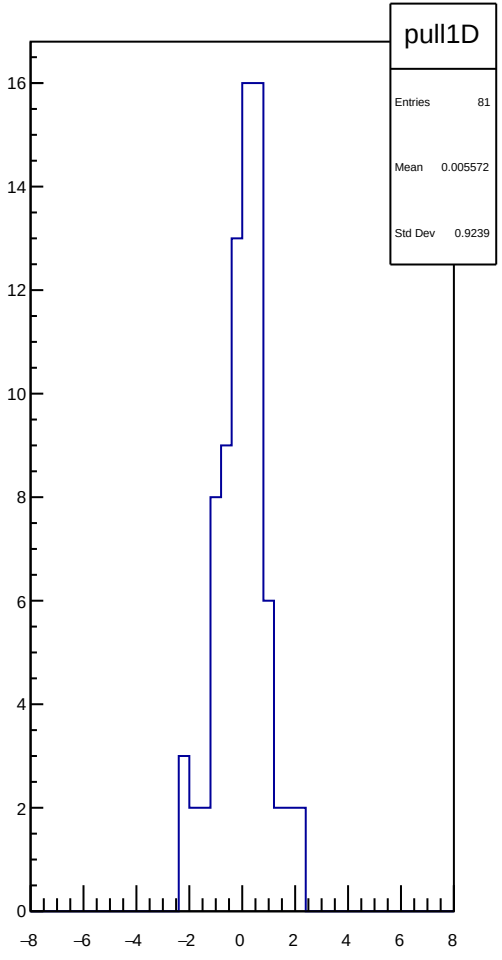

dit_asym_atl2_rms vs run
$\chi^2$ / ndf 1.044e+04 / 80
p0 2670 ± 2.136
10000
8000
6000
4000
2000

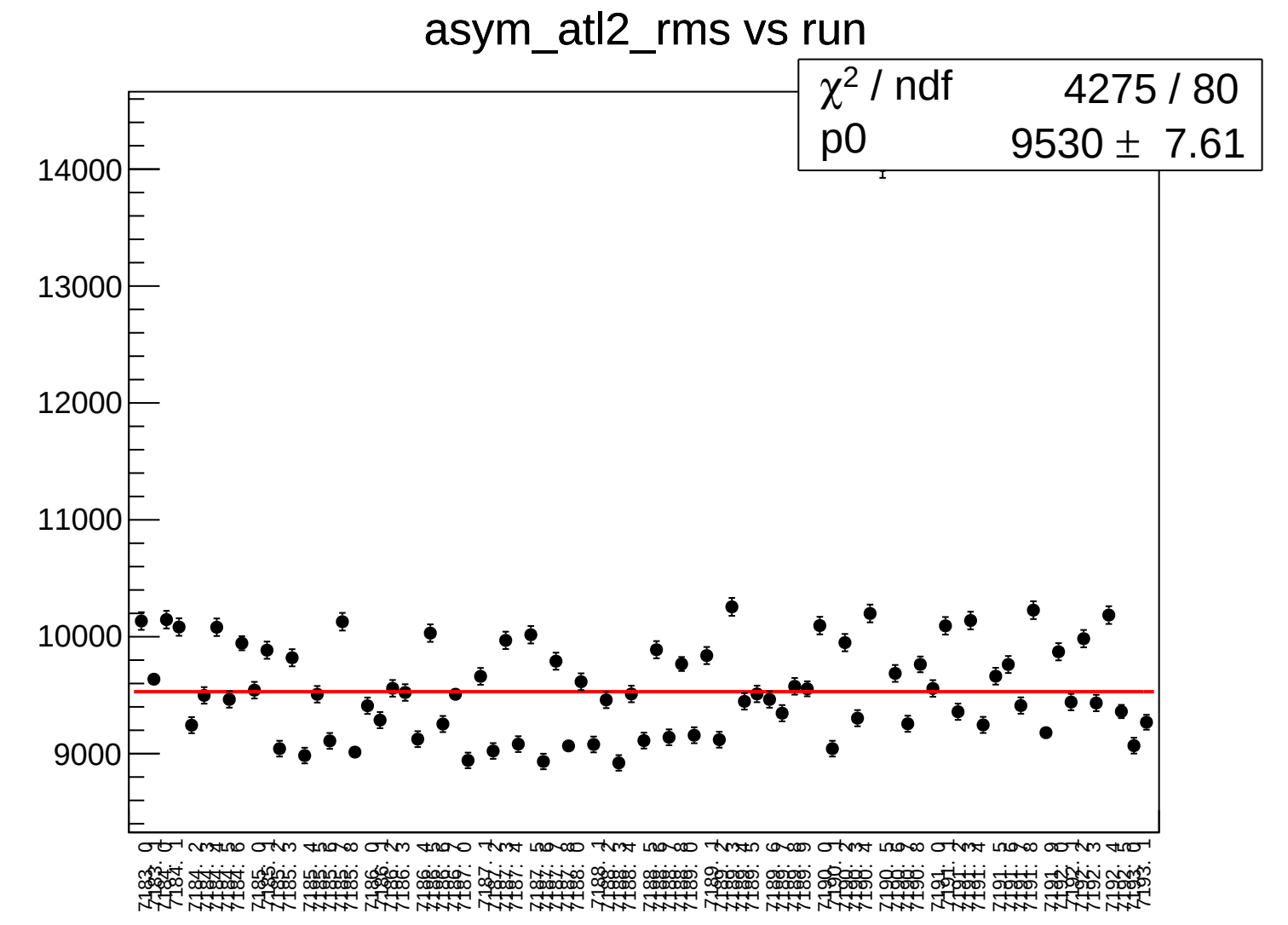

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 66.95 / 80
p0 8636 ± 1.037e+04
300
200
100
0
−100
−200
−300
pull
Entries 81
Mean 373.9
Std Dev 325.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

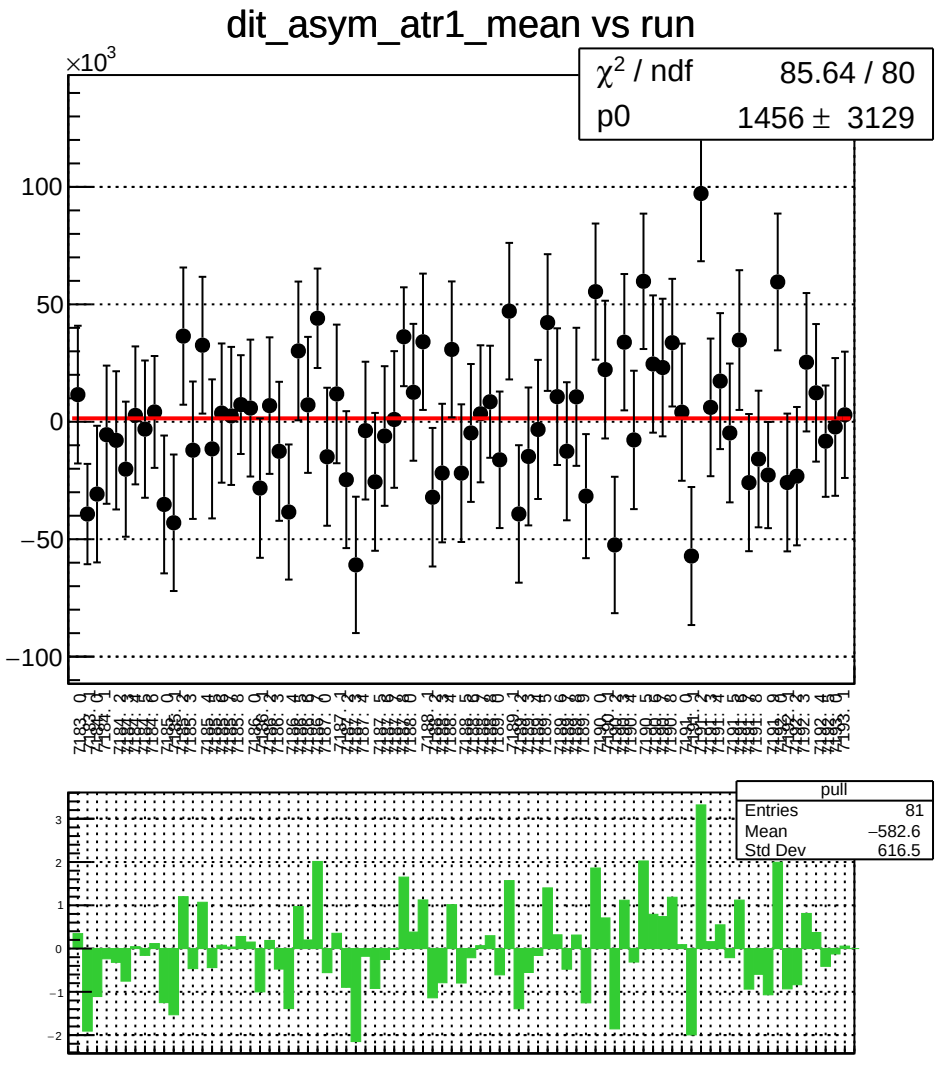

pull1D
Entries 81
Mean −0.002794
Std Dev 0.9091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

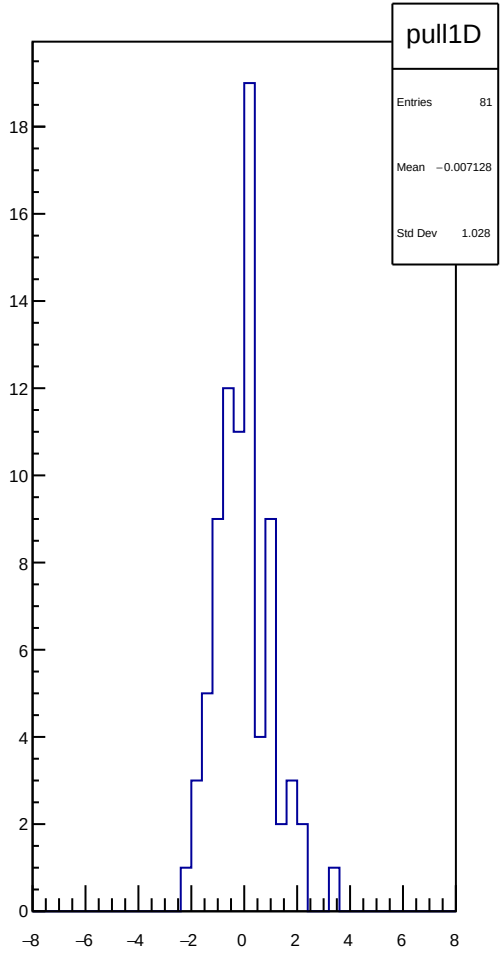

asym_atl2_correction_rms vs run
χ² / ndf 2682 / 80
p0 9186 ± 7.331
10000
9800
9600
9400
9200
9000
8800
8600
8400

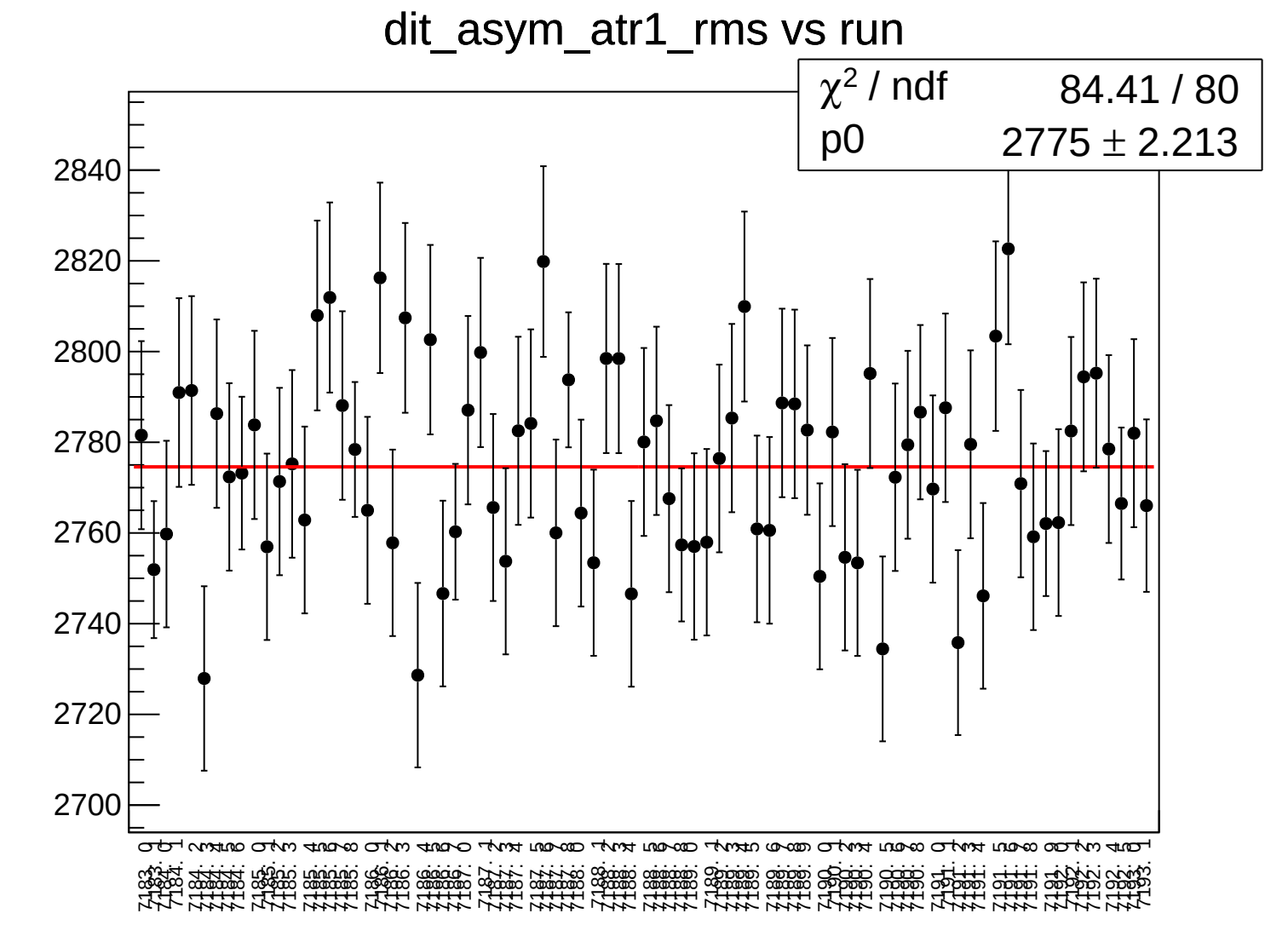

asym_atl2_mean vs run
×10^3
χ² / ndf 69.14 / 80
p0 −1.599e+04 ± 1.076e+04
pull
Entries 81
Mean 85.6
Std Dev 87.51

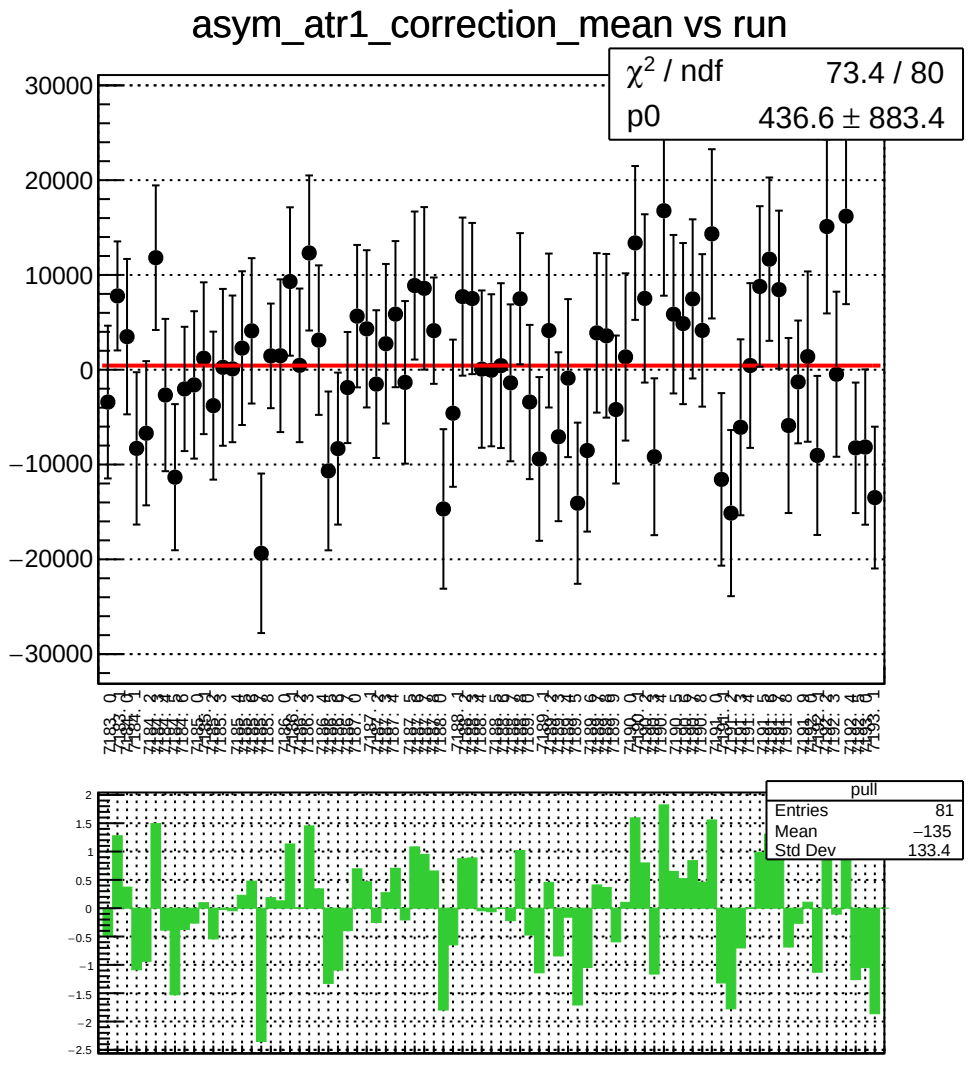

pull1D
Entries 81
Mean 0.005572
Std Dev 0.9239

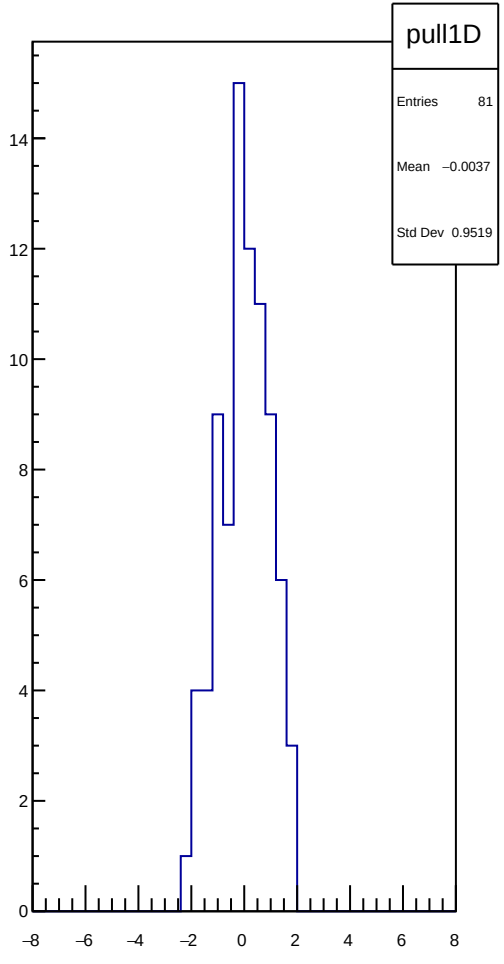

asym_atl2_rms vs run
χ² / ndf 4275 / 80
p0 9530 ± 7.61
14000
13000
12000
11000
10000
9000

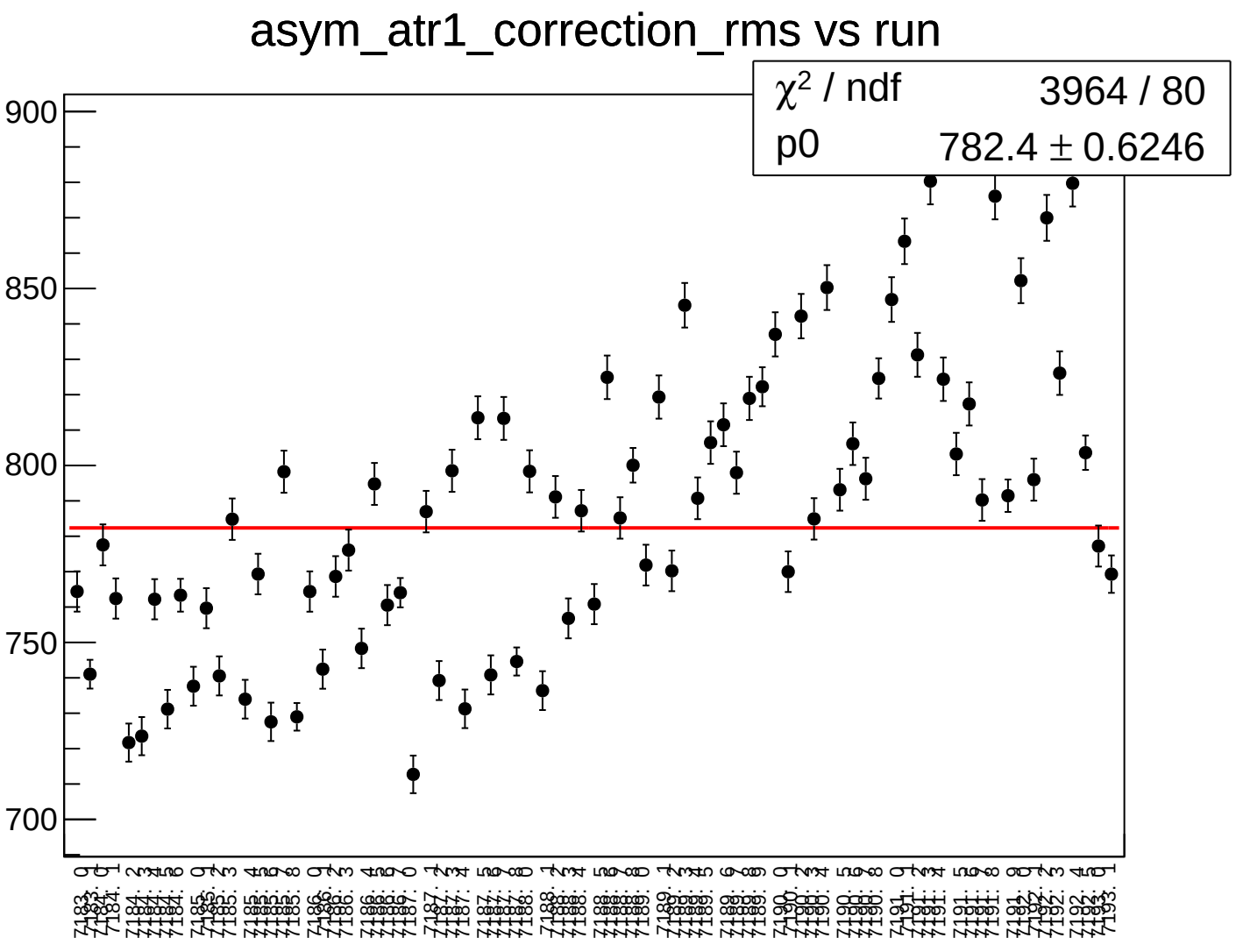

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 85.64 / 80
p0 1456 ± 3129
100
50
0
−50
−100
pull
Entries 81
Mean −582.6
Std Dev 616.5
3
2
1
0
−1
−2

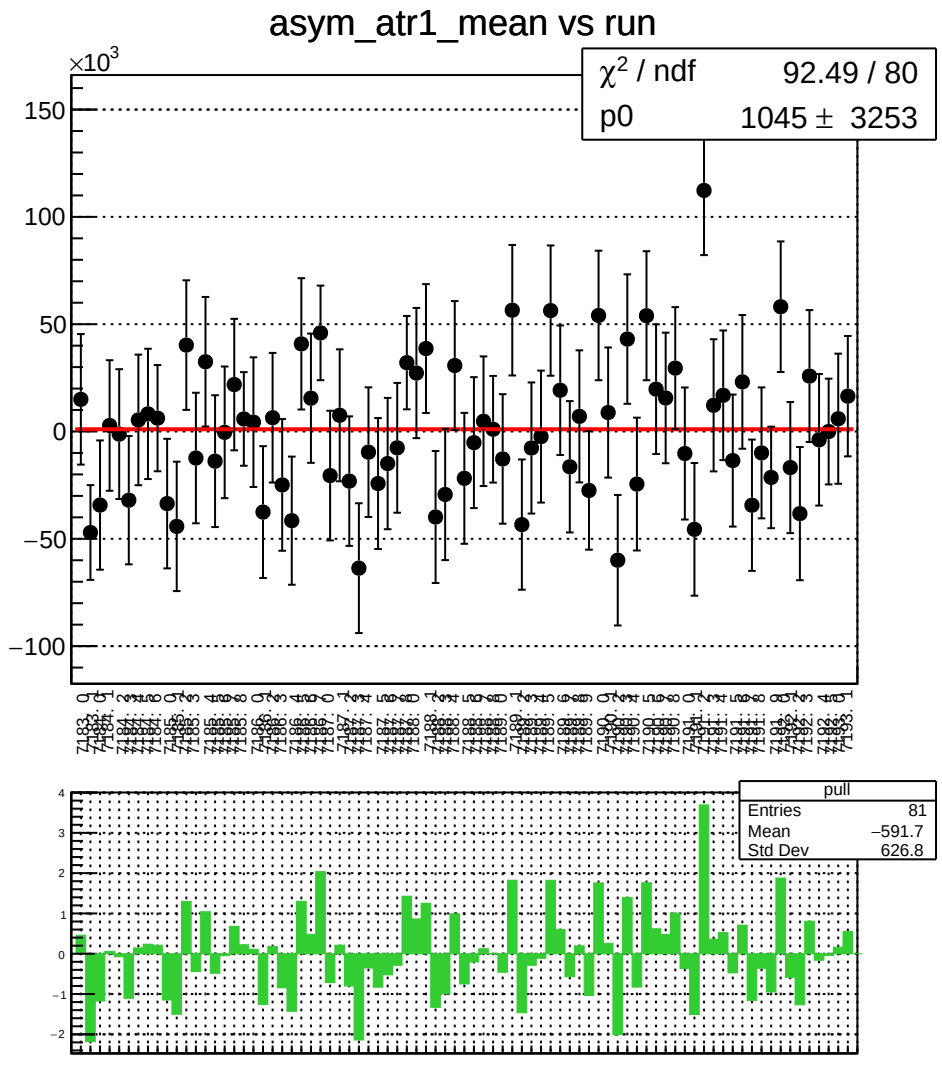

pull1D
Entries 81
Mean −0.007128
Std Dev 1.028
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

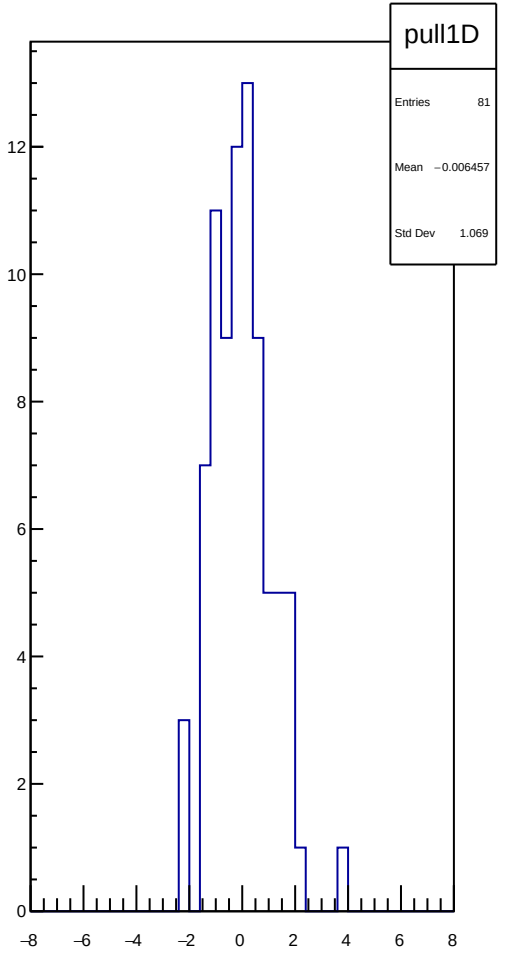

dit_asym_atr1_rms vs run
$\chi^2$ / ndf 84.41 / 80
p0 2775 ± 2.213
2840
2820
2800
2780
2760
2740
2720
2700

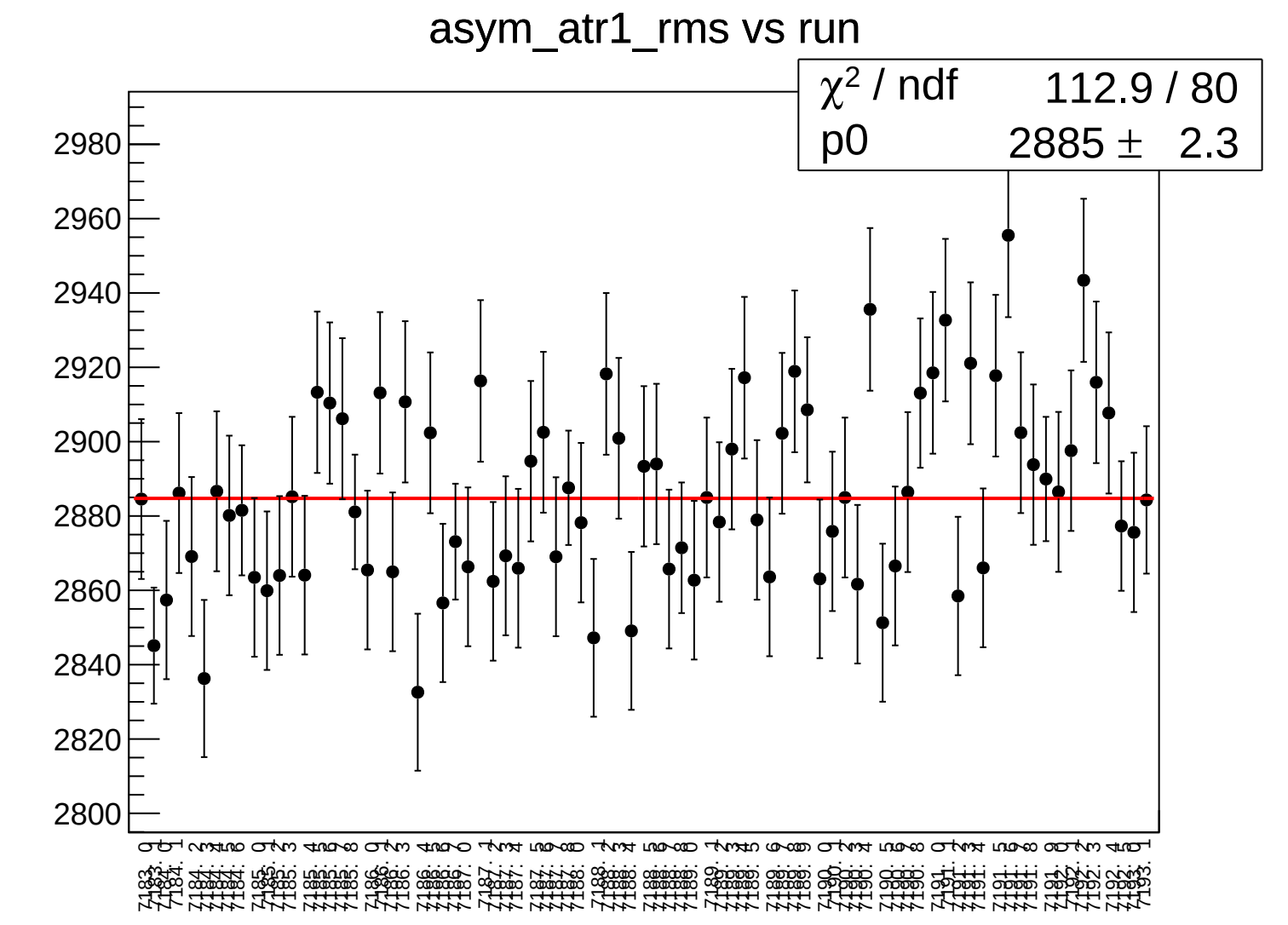

asym_atr1_correction_mean vs run
χ² / ndf 73.4 / 80
p0 436.6 ± 883.4
pull
Entries 81
Mean −135
Std Dev 133.4

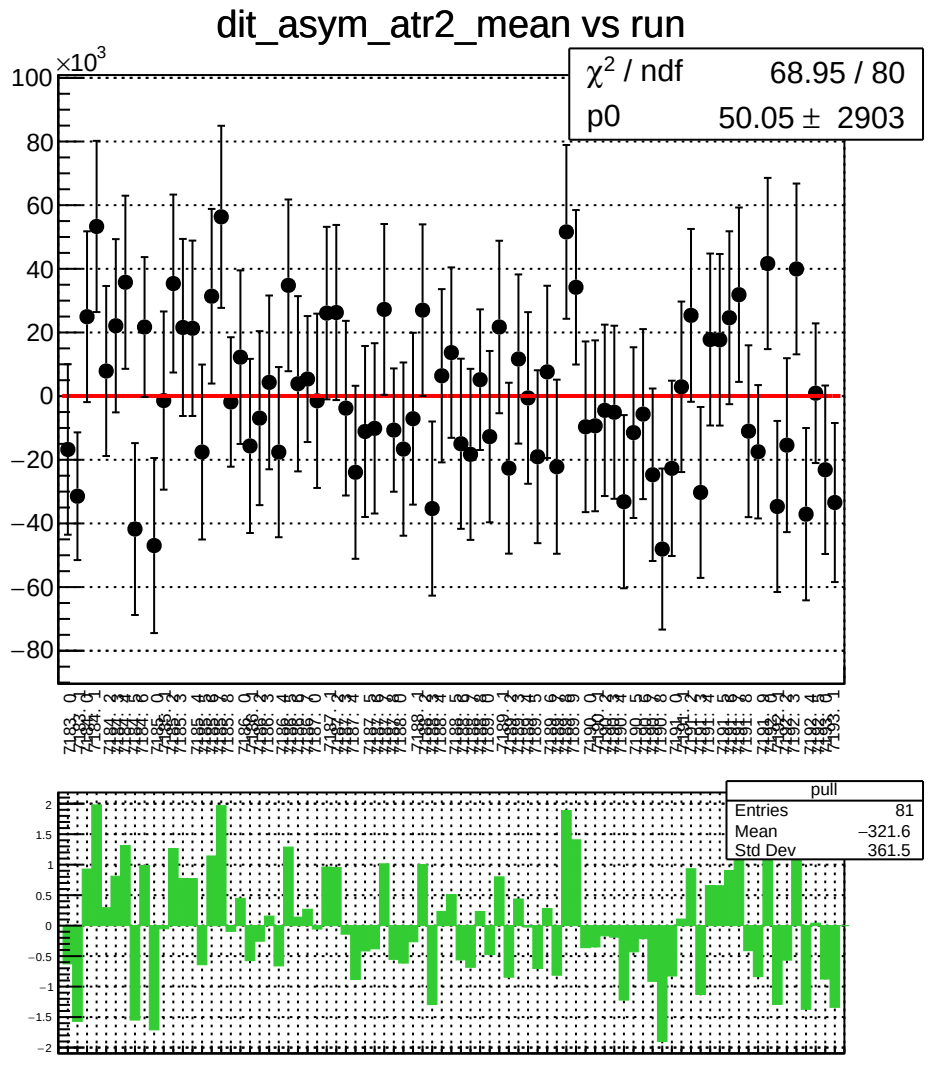

pull1D
Entries 81
Mean −0.0037
Std Dev 0.9519

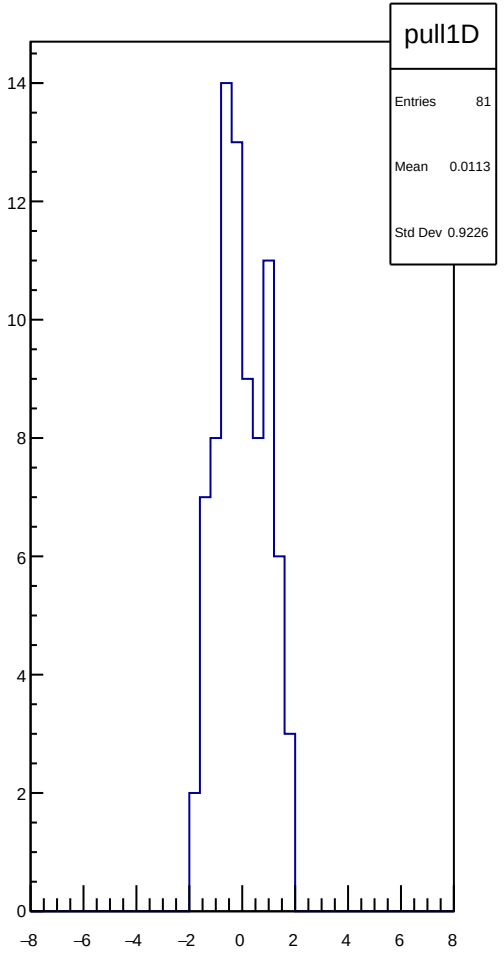

asym_atr1_correction_rms vs run
χ² / ndf 3964 / 80
p0 782.4 ± 0.6246
900
850
800
750
700

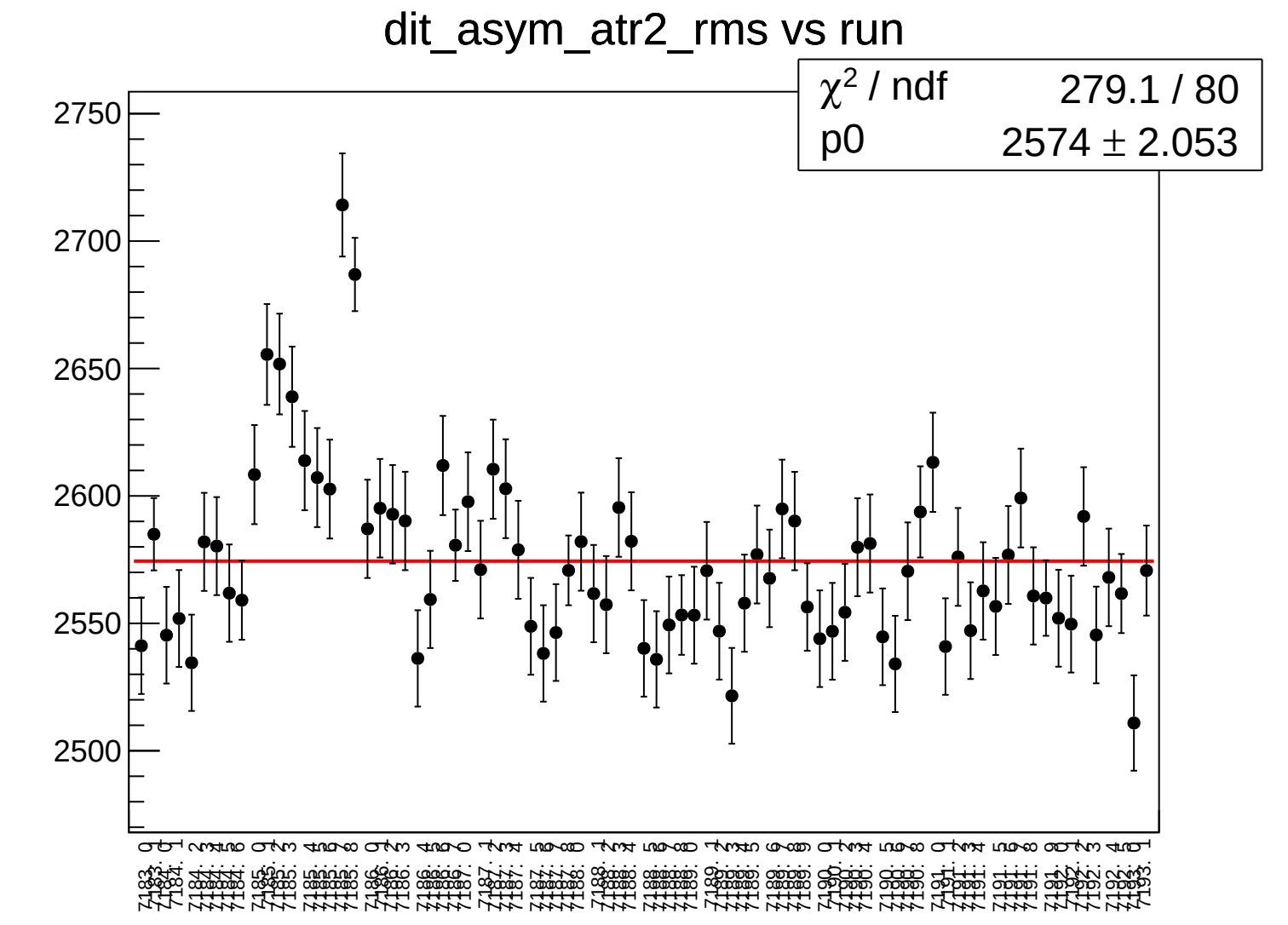

asym_atr1_mean vs run
×10^3
χ² / ndf 92.49 / 80
p0 1045 ± 3253
150
100
50
0
−50
−100
pull
Entries 81
Mean −591.7
Std Dev 626.8
4
3
2
1
0
−1
−2

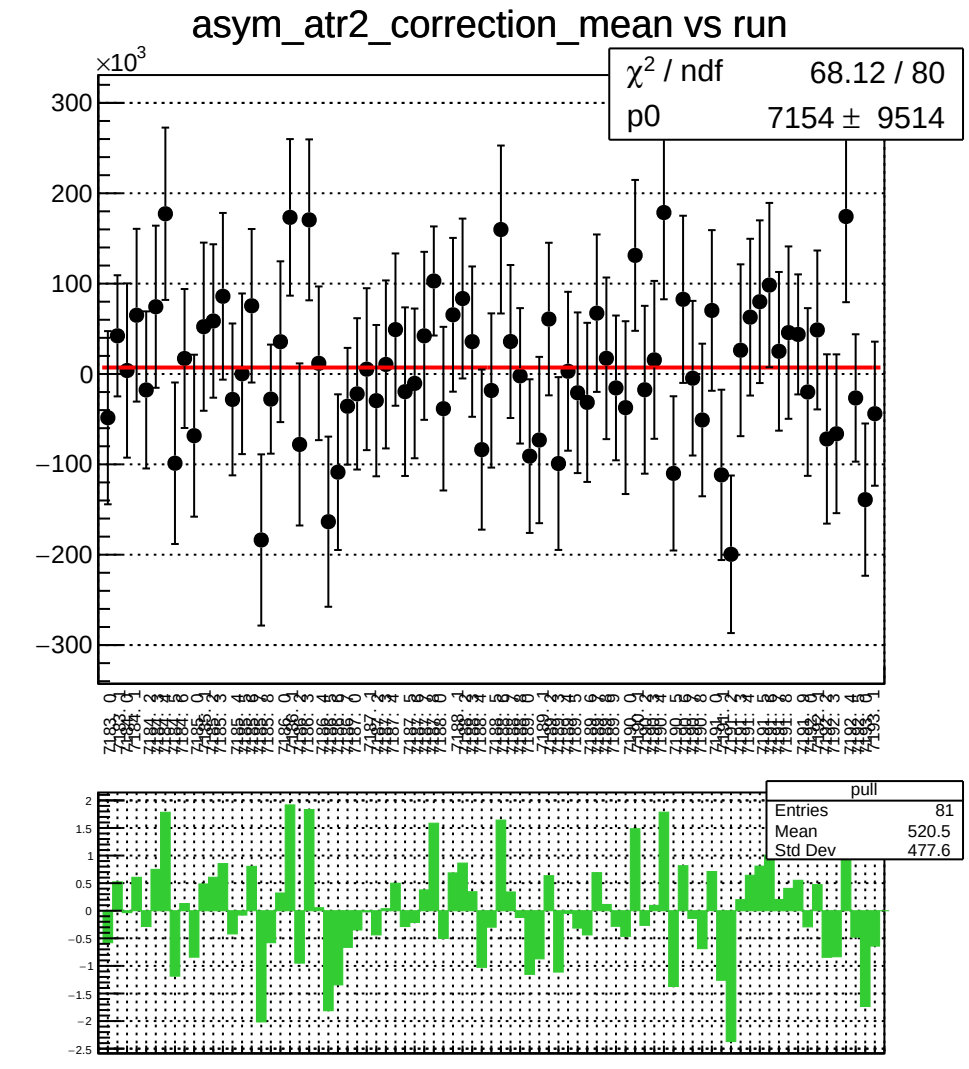

pull1D
Entries 81
Mean −0.006457
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

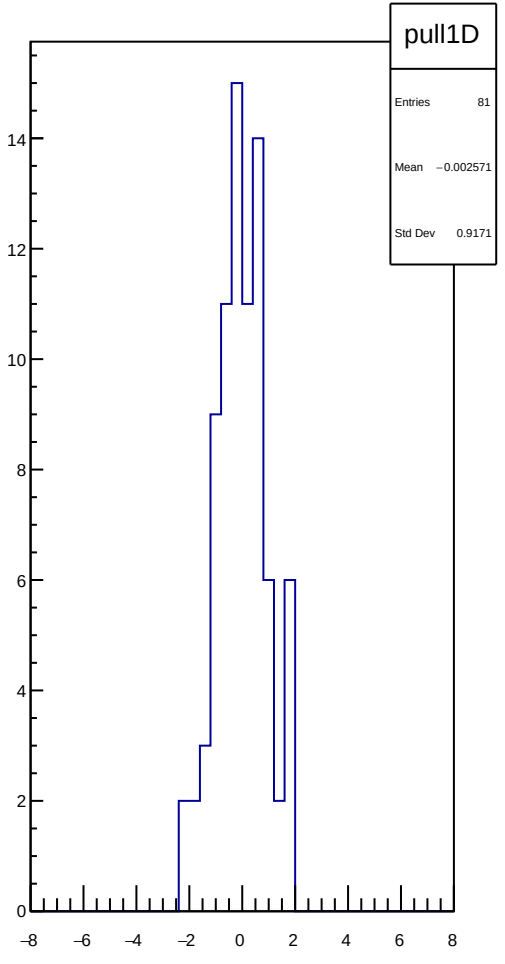

asym_atr1_rms vs run
χ² / ndf 112.9 / 80
p0 2885 ± 2.3
2980
2960
2940
2920
2900
2880
2860
2840
2820
2800

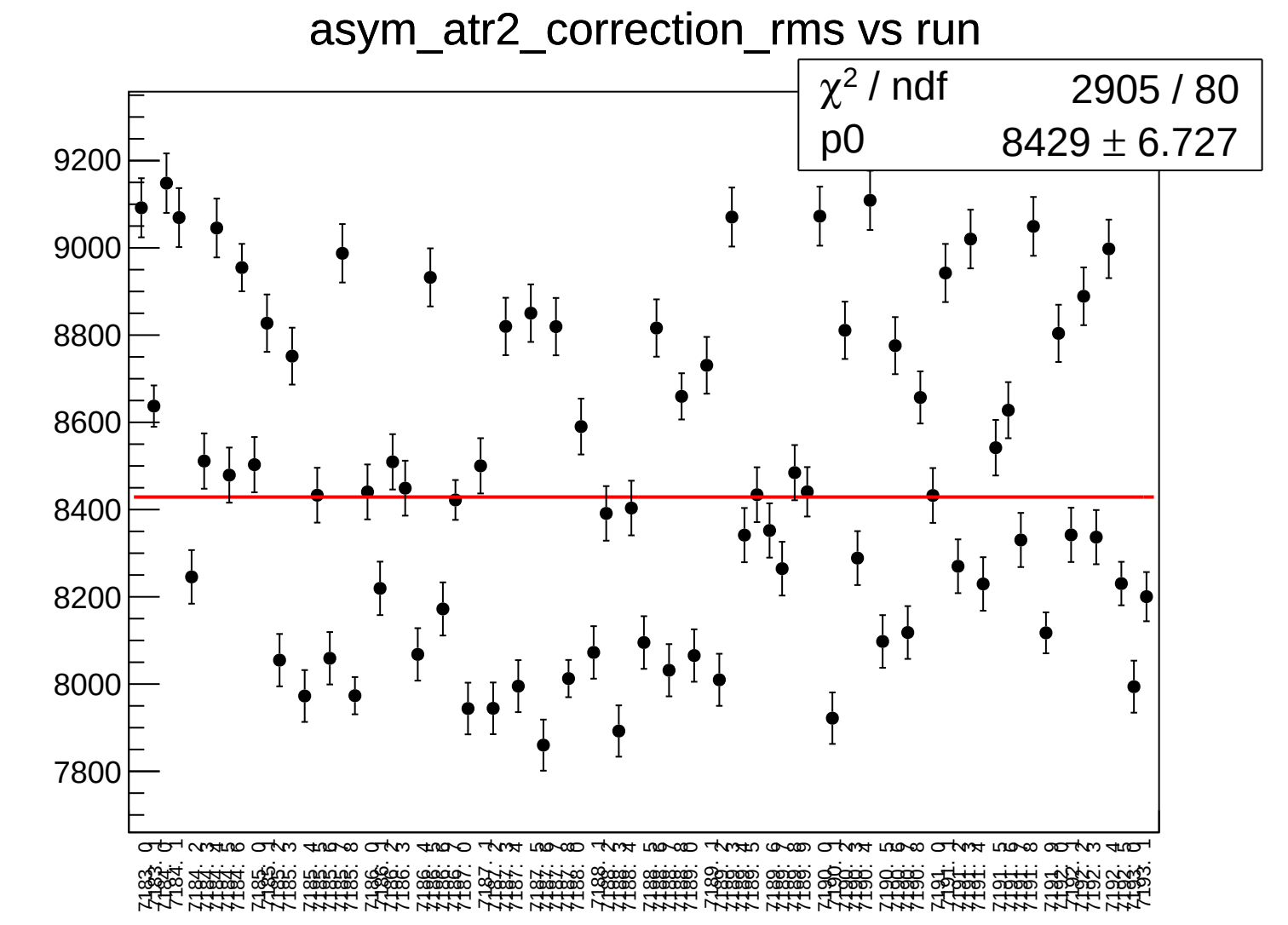

dit_asym_atr2_mean vs run
χ² / ndf 68.95 / 80
p0 50.05 ± 2903
×10³
pull
Entries 81
Mean −321.6
Std Dev 361.5

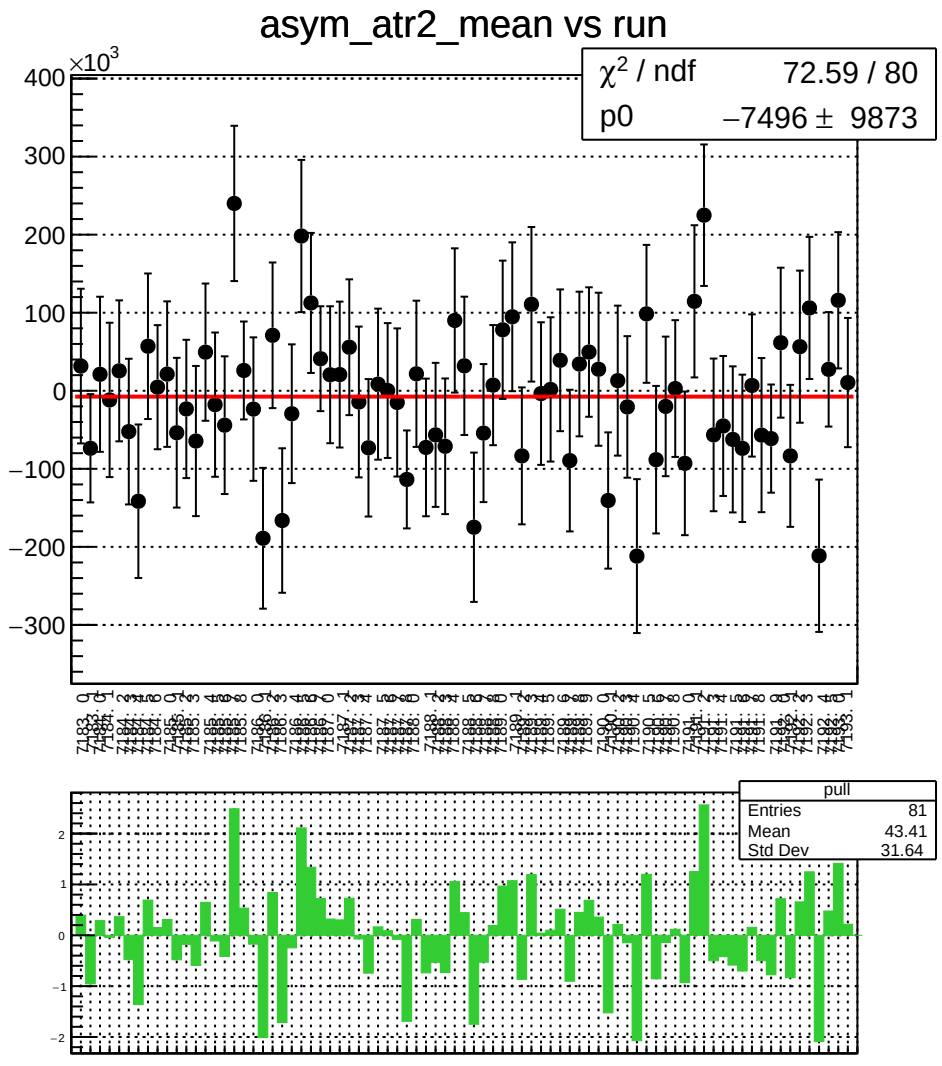

pull1D
Entries 81
Mean 0.0113
Std Dev 0.9226

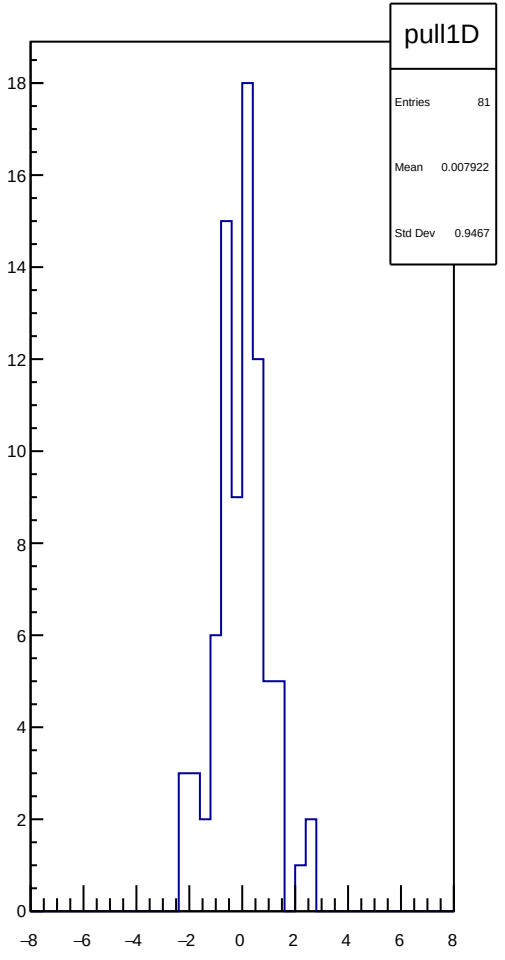

dit_asym_atr2_rms vs run
$\chi^2$ / ndf 279.1 / 80
p0 2574 ± 2.053
2750
2700
2650
2600
2550
2500

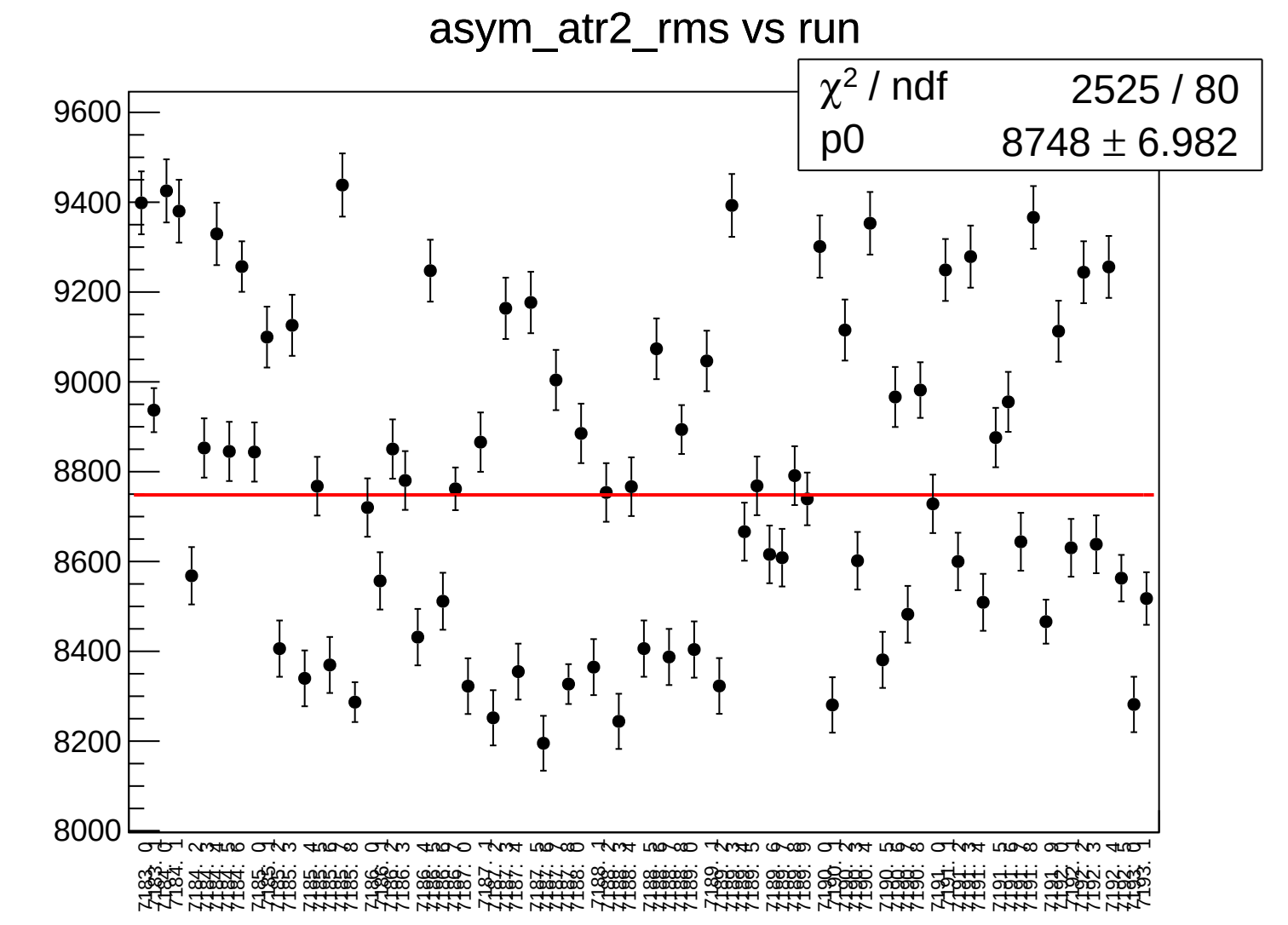

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 68.12 / 80
p0 7154 ± 9514
pull
Entries 81
Mean 520.5
Std Dev 477.6

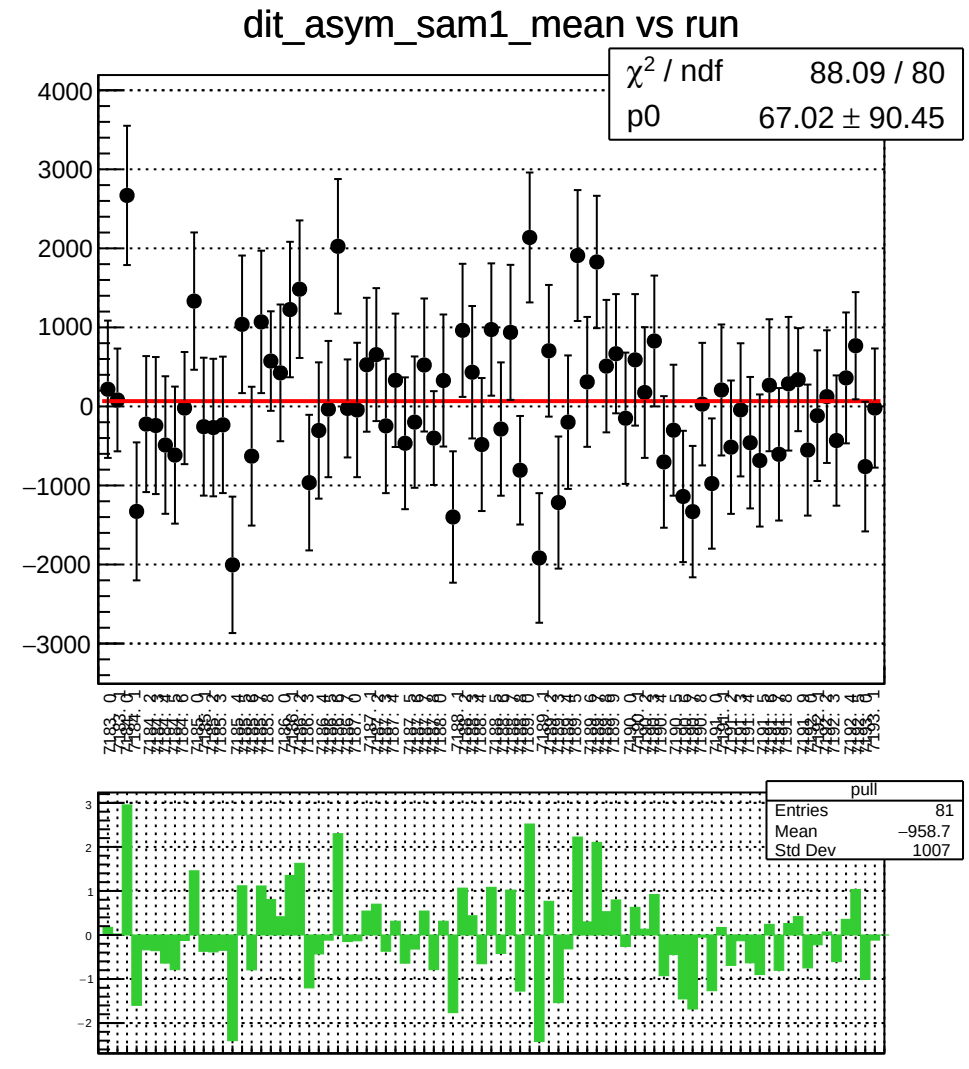

pull1D
Entries 81
Mean −0.002571
Std Dev 0.9171

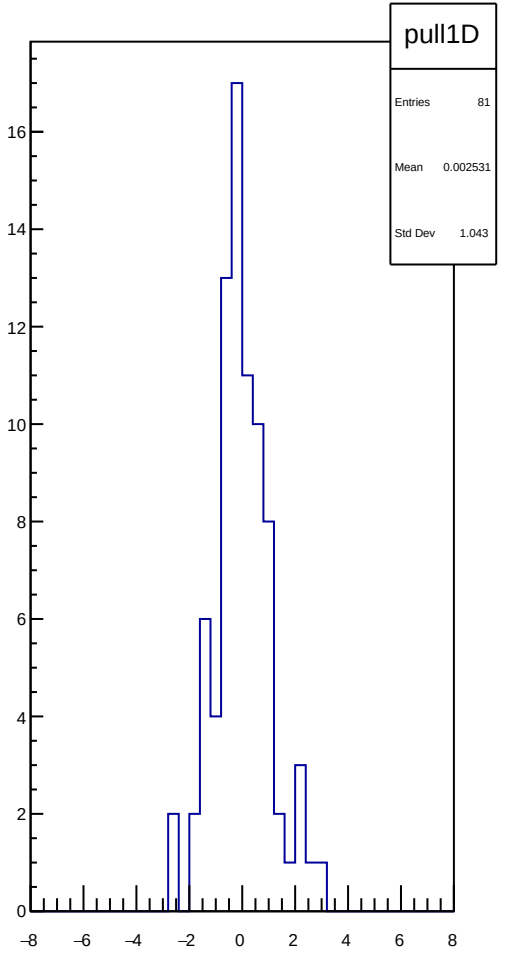

asym_atr2_correction_rms vs run
χ² / ndf 2905 / 80
p0 8429 ± 6.727
9200
9000
8800
8600
8400
8200
8000
7800

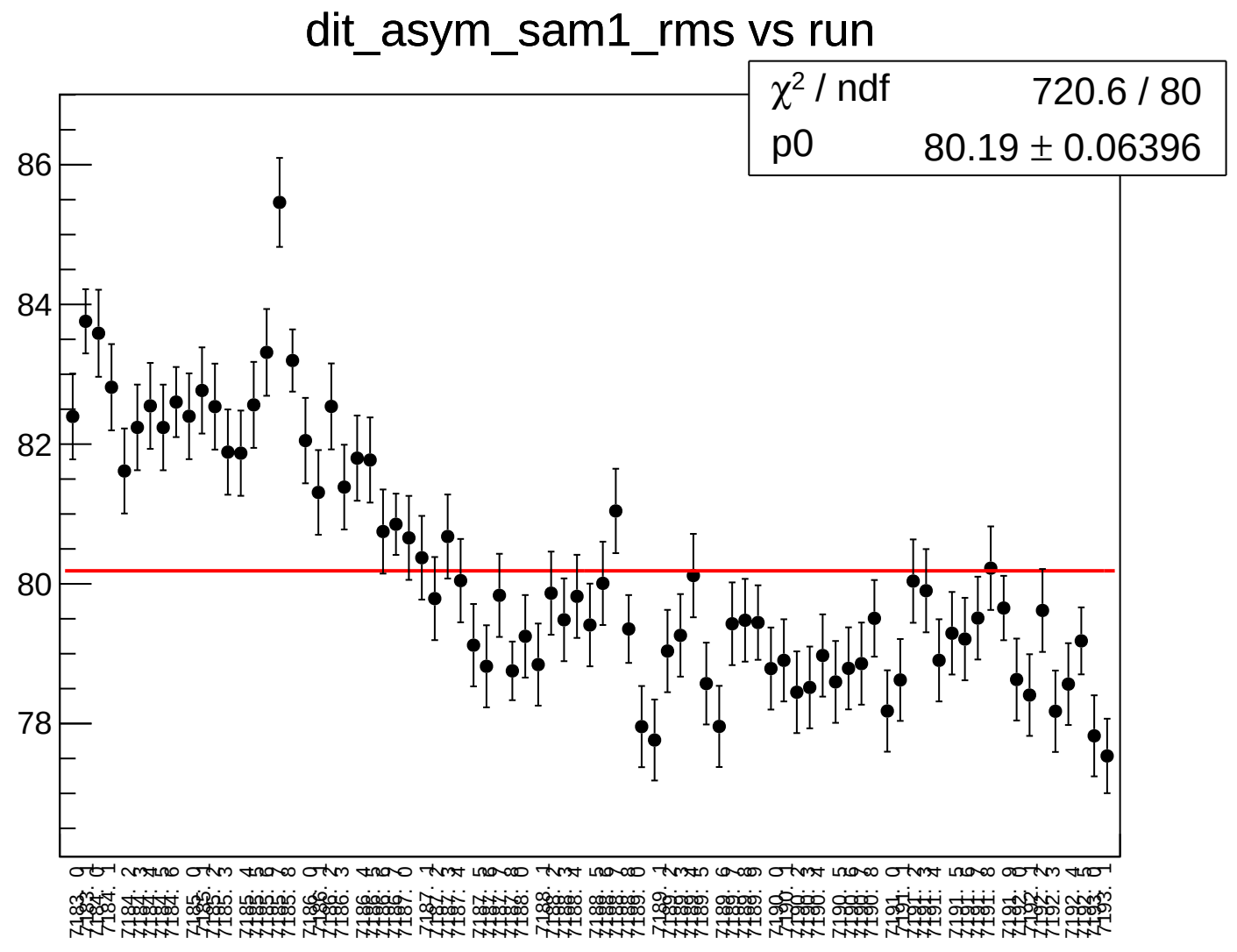

asym_atr2_mean vs run
$\chi^2$ / ndf 72.59 / 80
p0 −7496 ± 9873
×10^3
pull
Entries 81
Mean 43.41
Std Dev 31.64

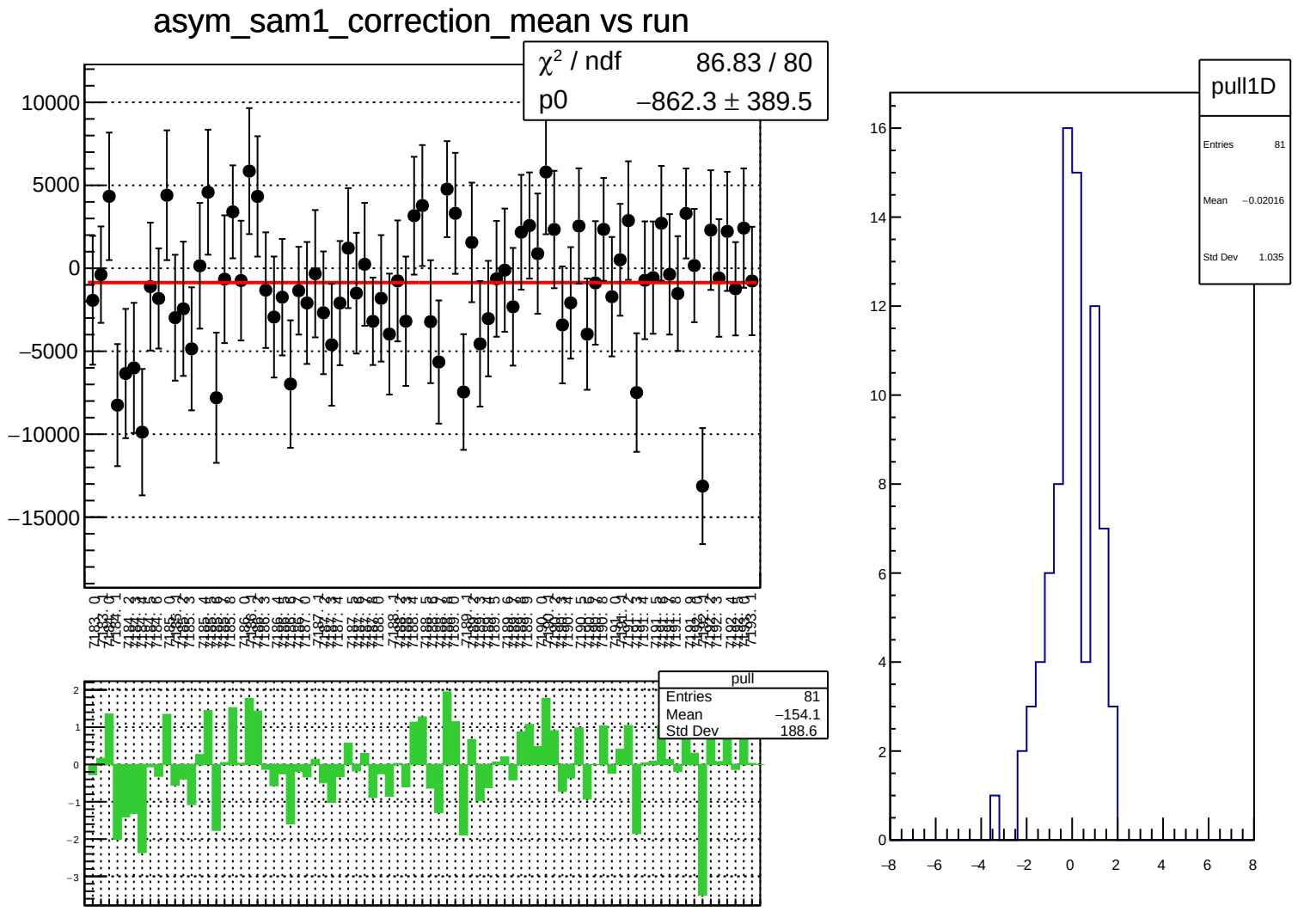

pull1D
Entries 81
Mean 0.007922
Std Dev 0.9467

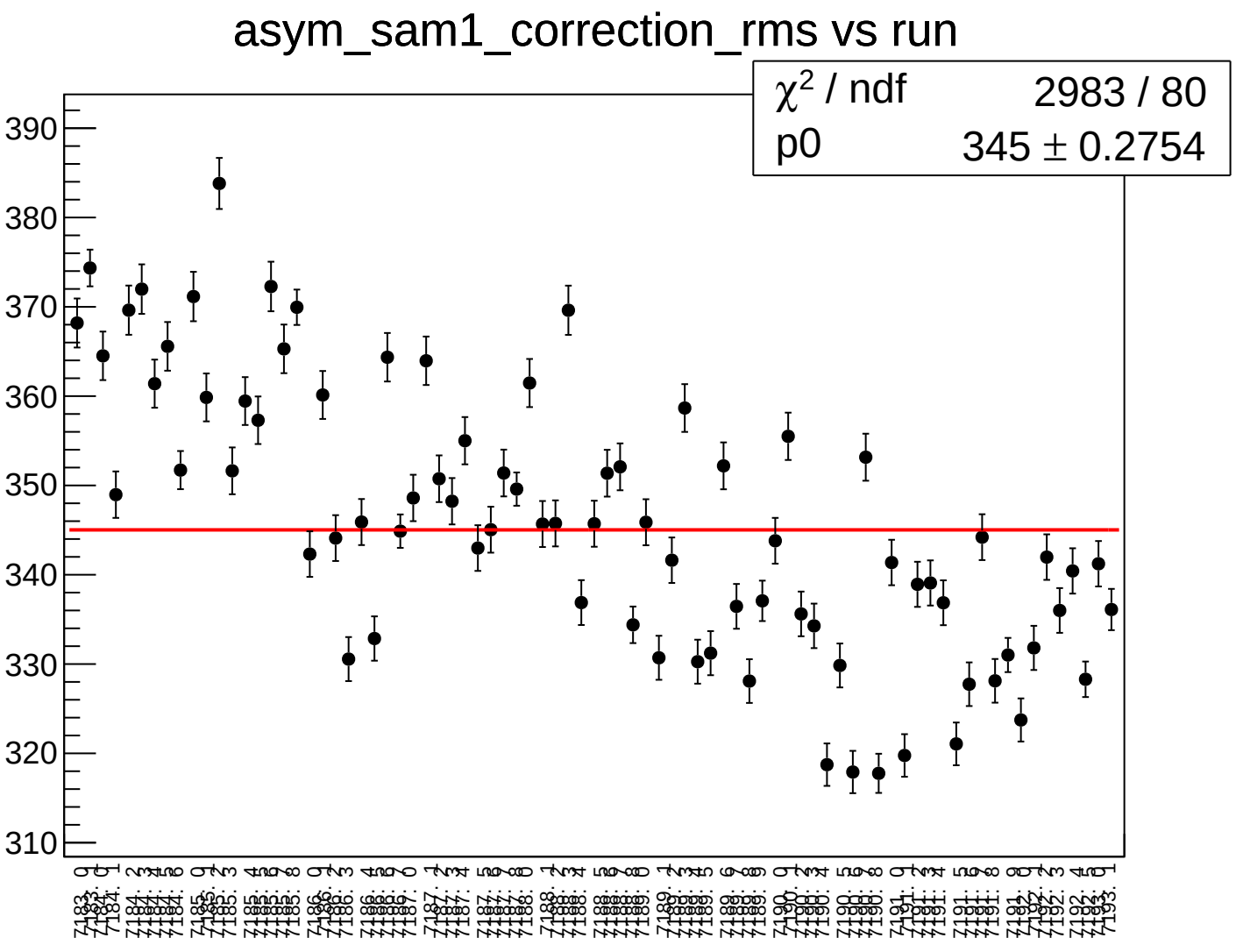

asym_atr2_rms vs run
χ² / ndf 2525 / 80
p0 8748 ± 6.982
9600
9400
9200
9000
8800
8600
8400
8200
8000

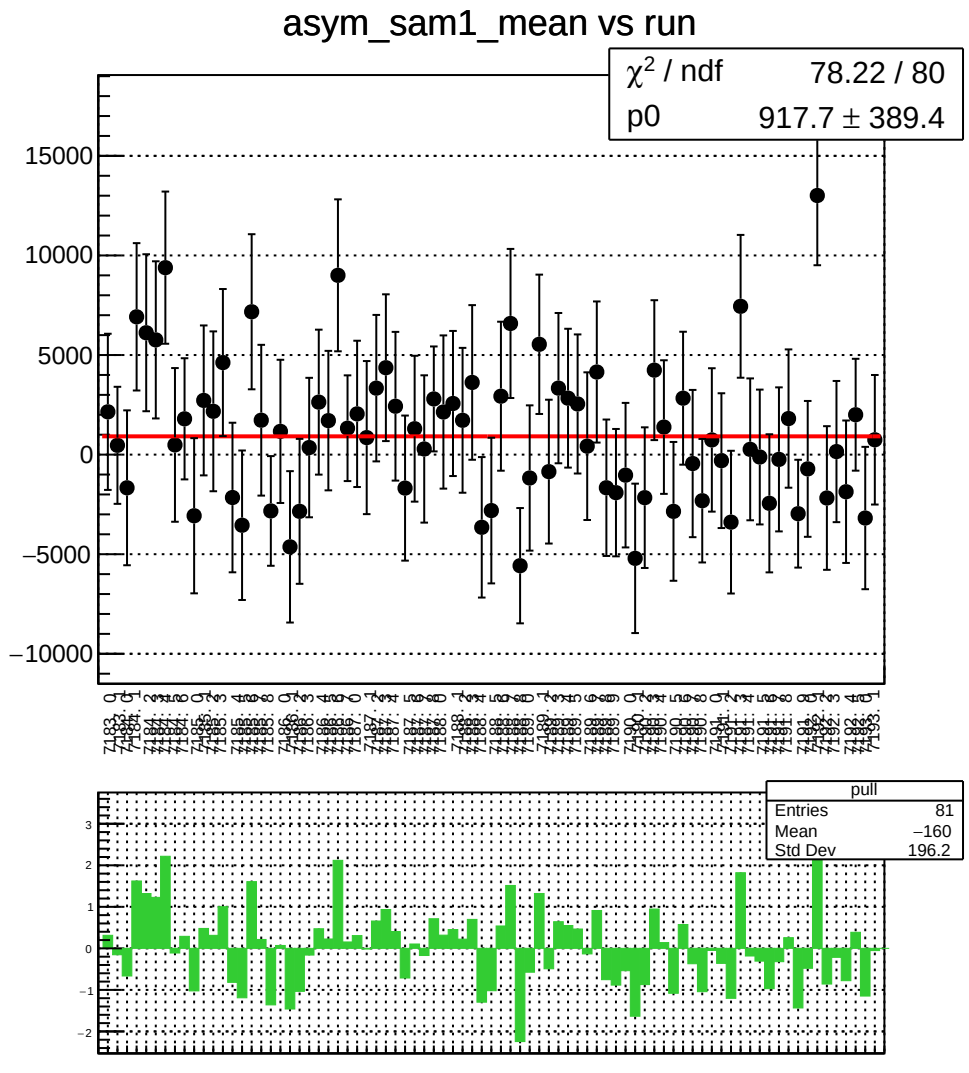

dit_asym_sam1_mean vs run
χ² / ndf 88.09 / 80
p0 67.02 ± 90.45
pull
Entries 81
Mean −958.7
Std Dev 1007

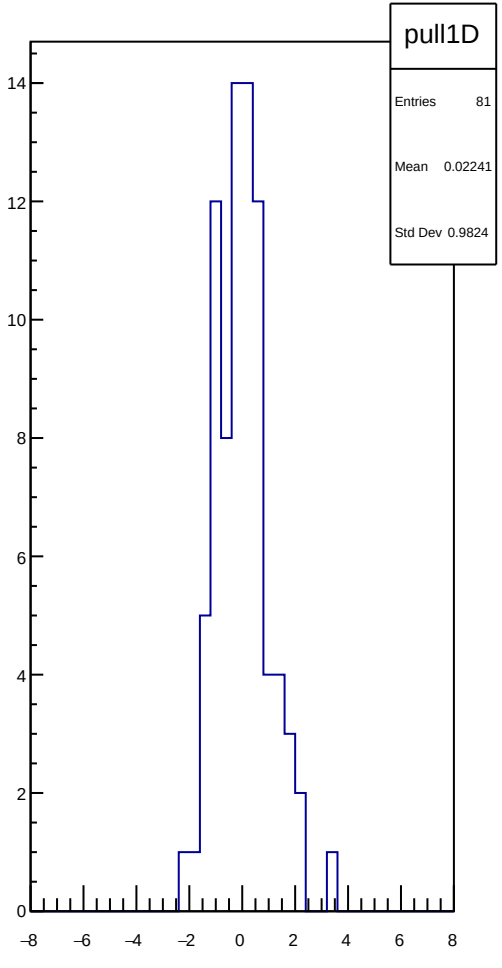

pull1D
Entries 81
Mean 0.002531
Std Dev 1.043

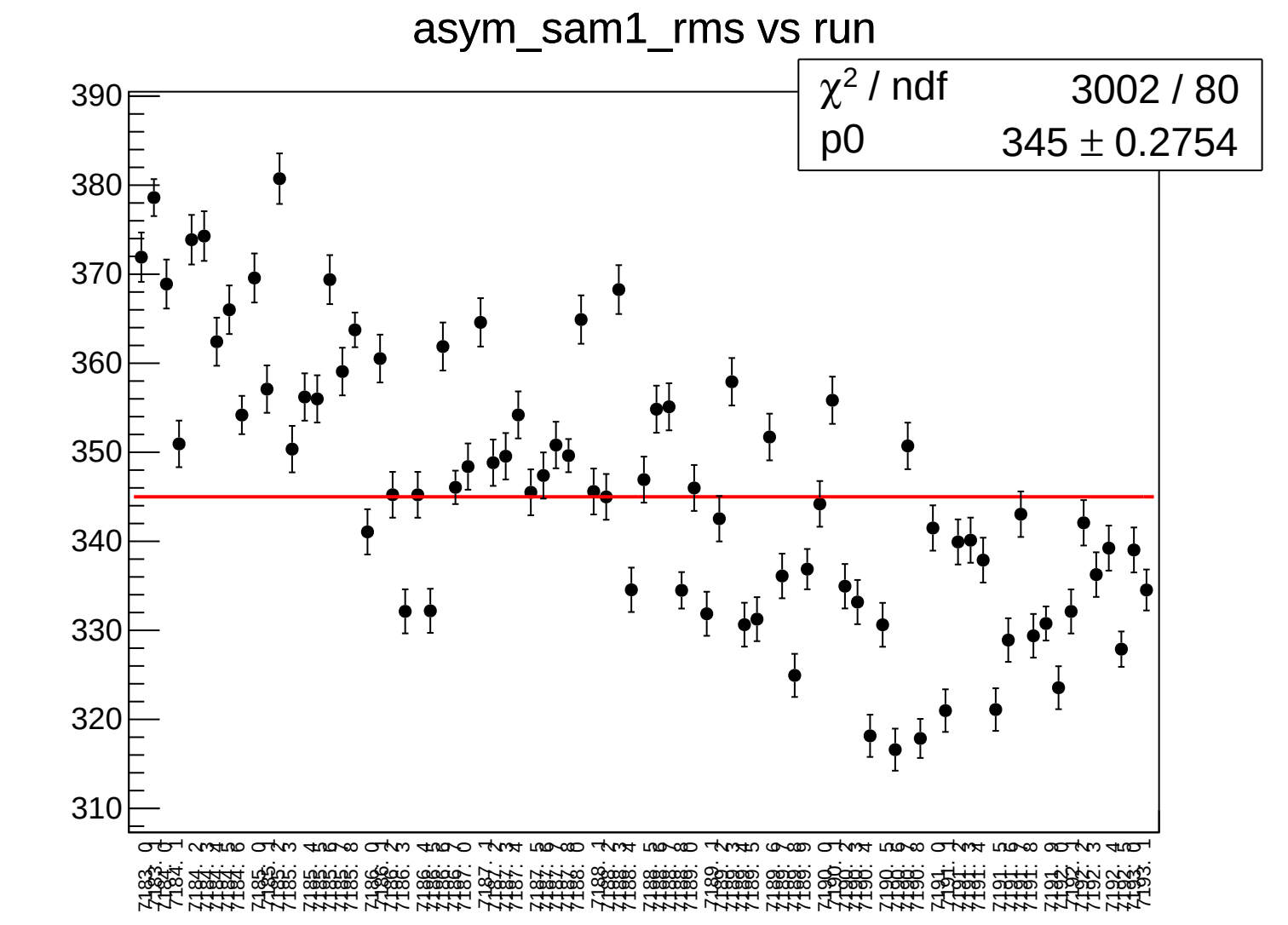

dit_asym_sam1_rms vs run
χ² / ndf 720.6 / 80
p0 80.19 ± 0.06396
86
84
82
80
78

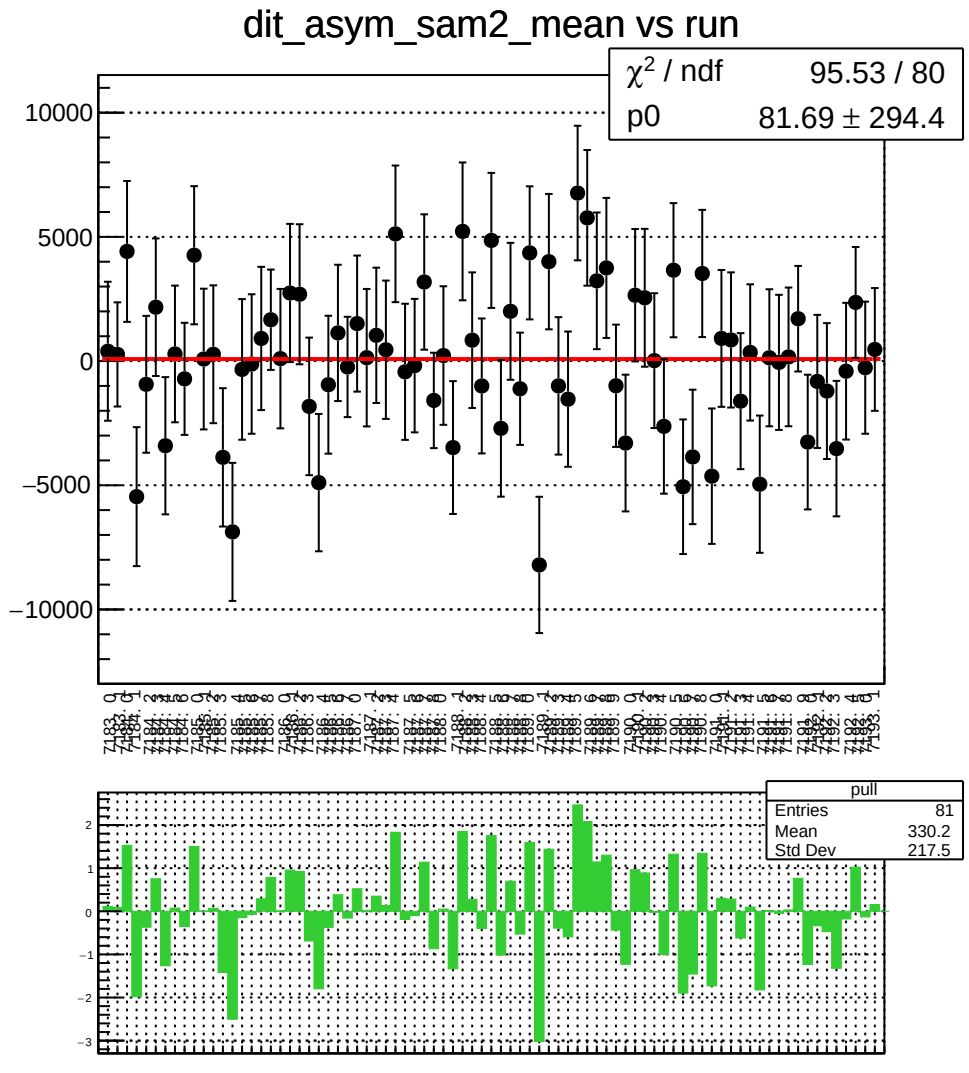

asym_sam1_correction_mean vs run
χ² / ndf 86.83 / 80
p0 −862.3 ± 389.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −154.1
Std Dev 188.6
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.02016
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

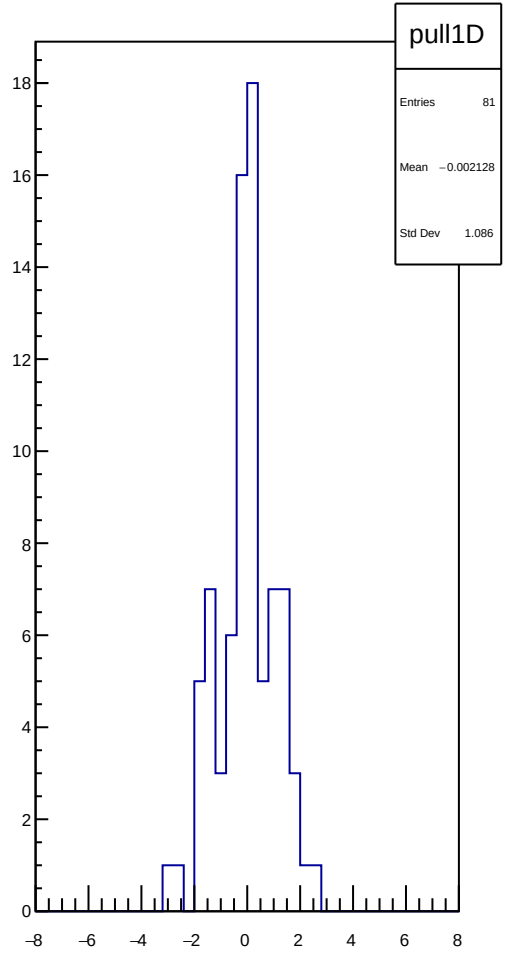

asym_sam1_correction_rms vs run
χ² / ndf 2983 / 80
p0 345 ± 0.2754
390
380
370
360
350
340
330
320
310

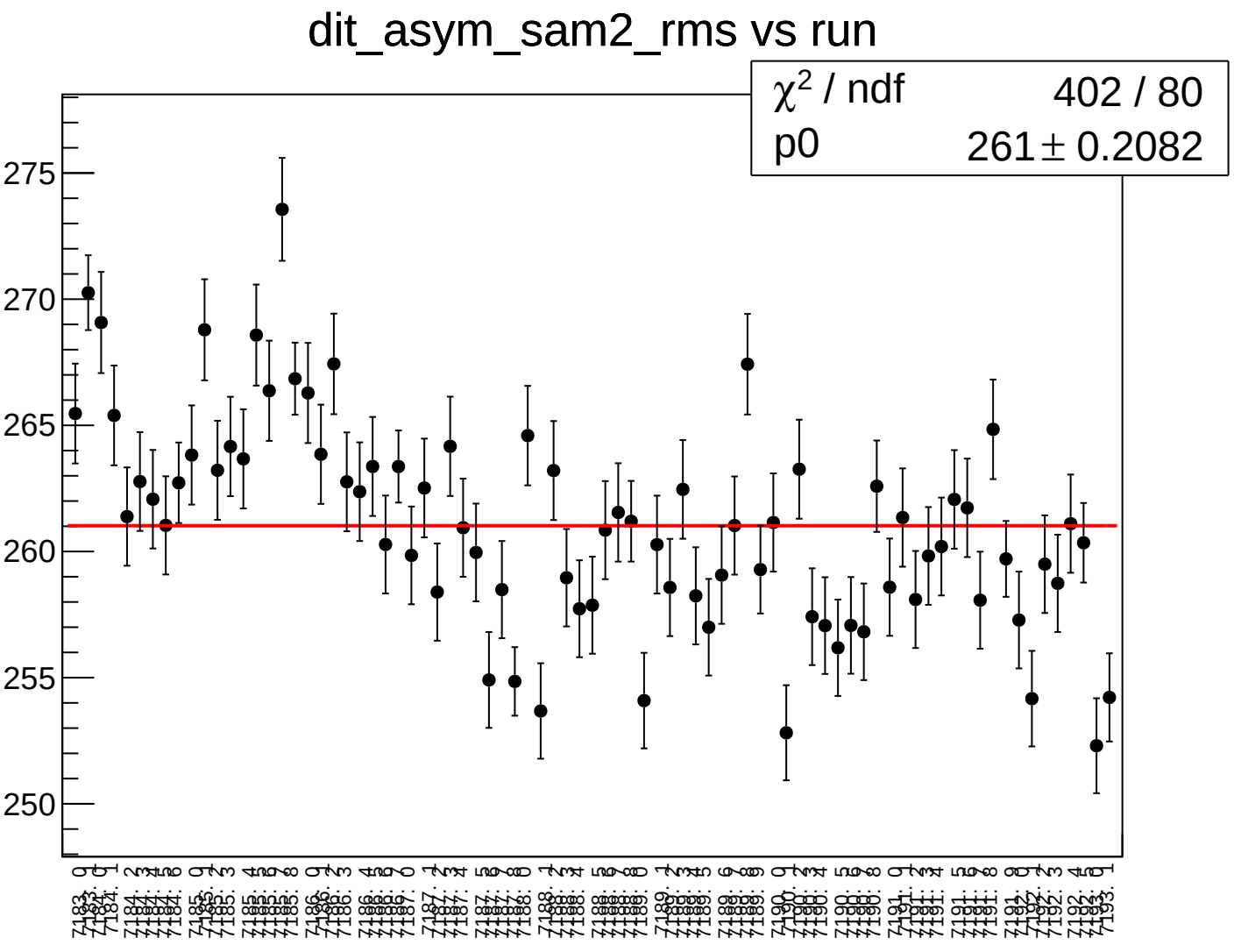

asym_sam1_mean vs run
χ² / ndf 78.22 / 80
p0 917.7 ± 389.4
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −160
Std Dev 196.2
3
2
1
0
−1
−2

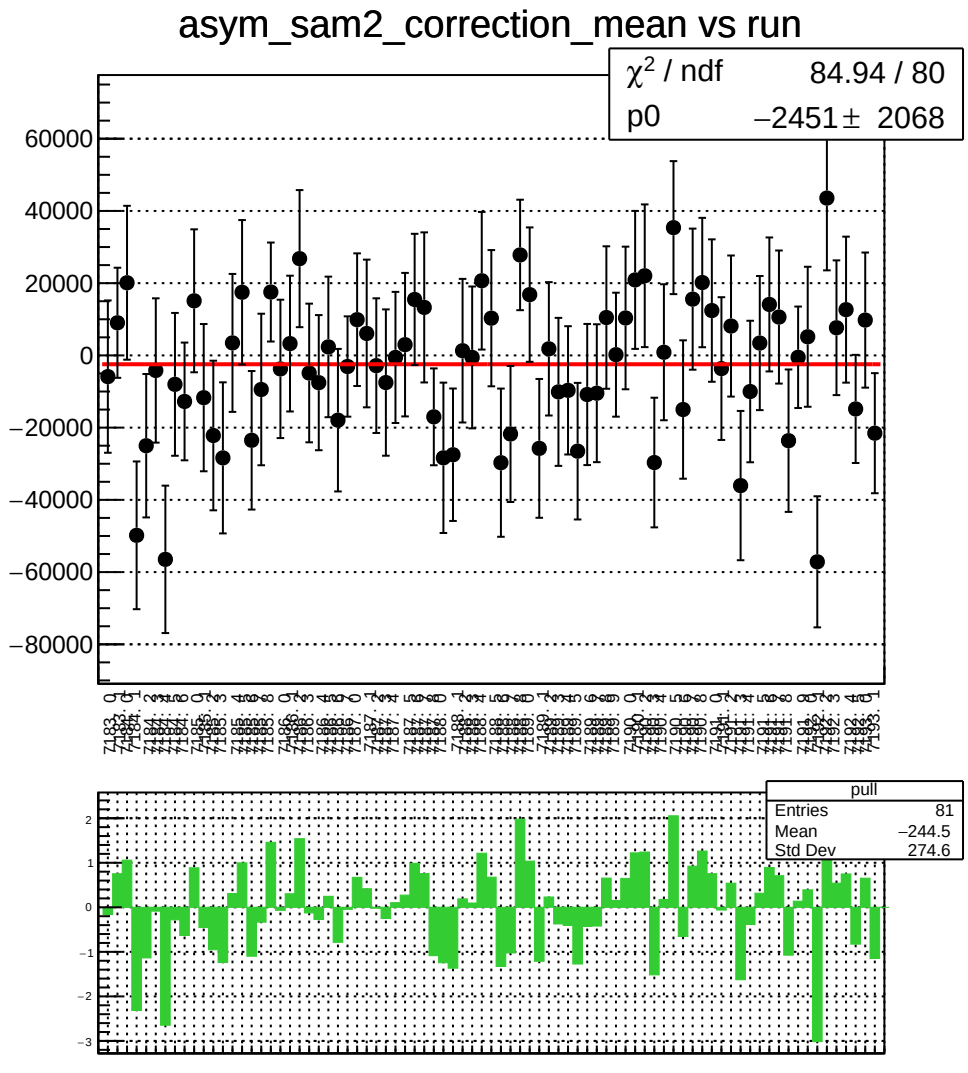

pull1D
Entries 81
Mean 0.02241
Std Dev 0.9824
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

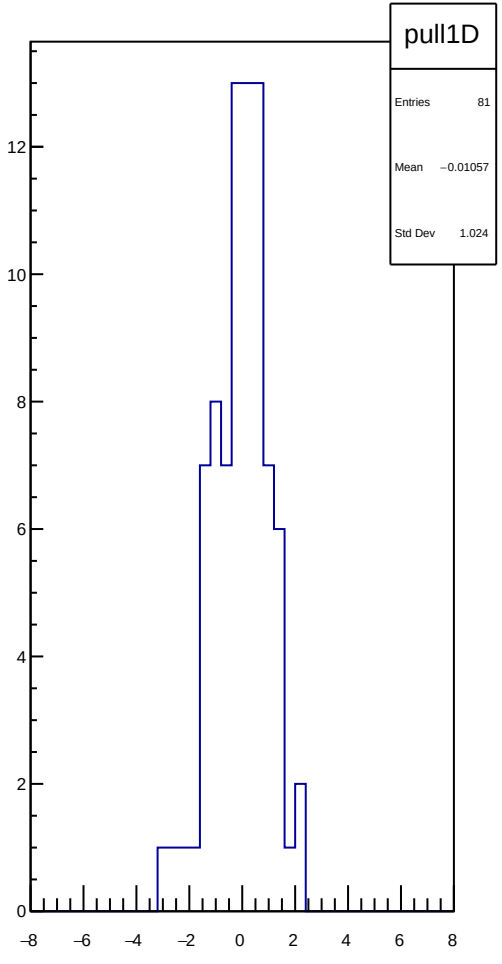

asym_sam1_rms vs run
$\chi^2$ / ndf 3002 / 80
p0 345 ± 0.2754
390
380
370
360
350
340
330
320
310


dit_asym_sam2_mean vs run
$\chi^2$ / ndf 95.53 / 80
p0 81.69 ± 294.4
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 330.2
Std Dev 217.5
2
1
0
−1
−2
−3

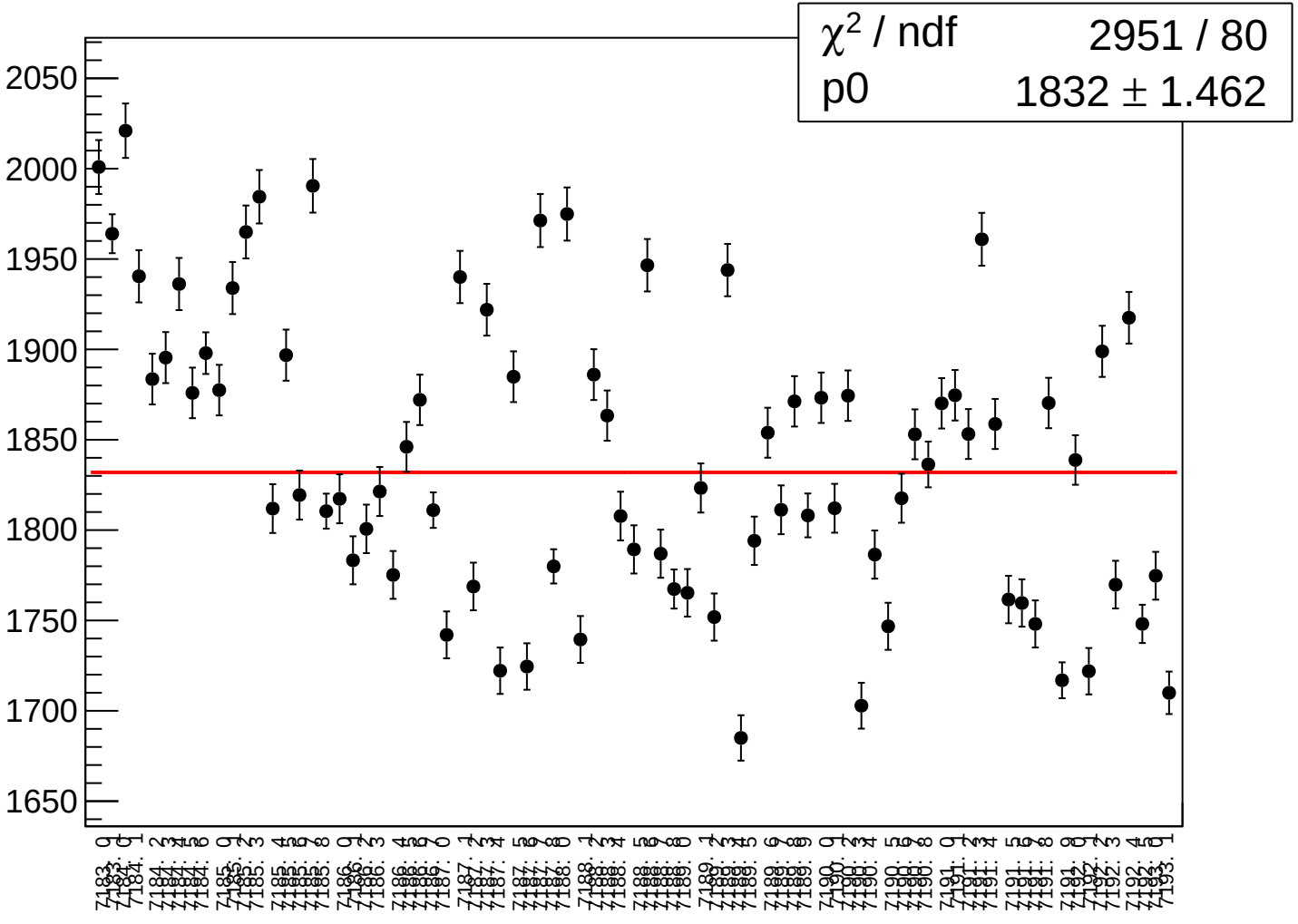

pull1D
Entries 81
Mean −0.002128
Std Dev 1.086
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

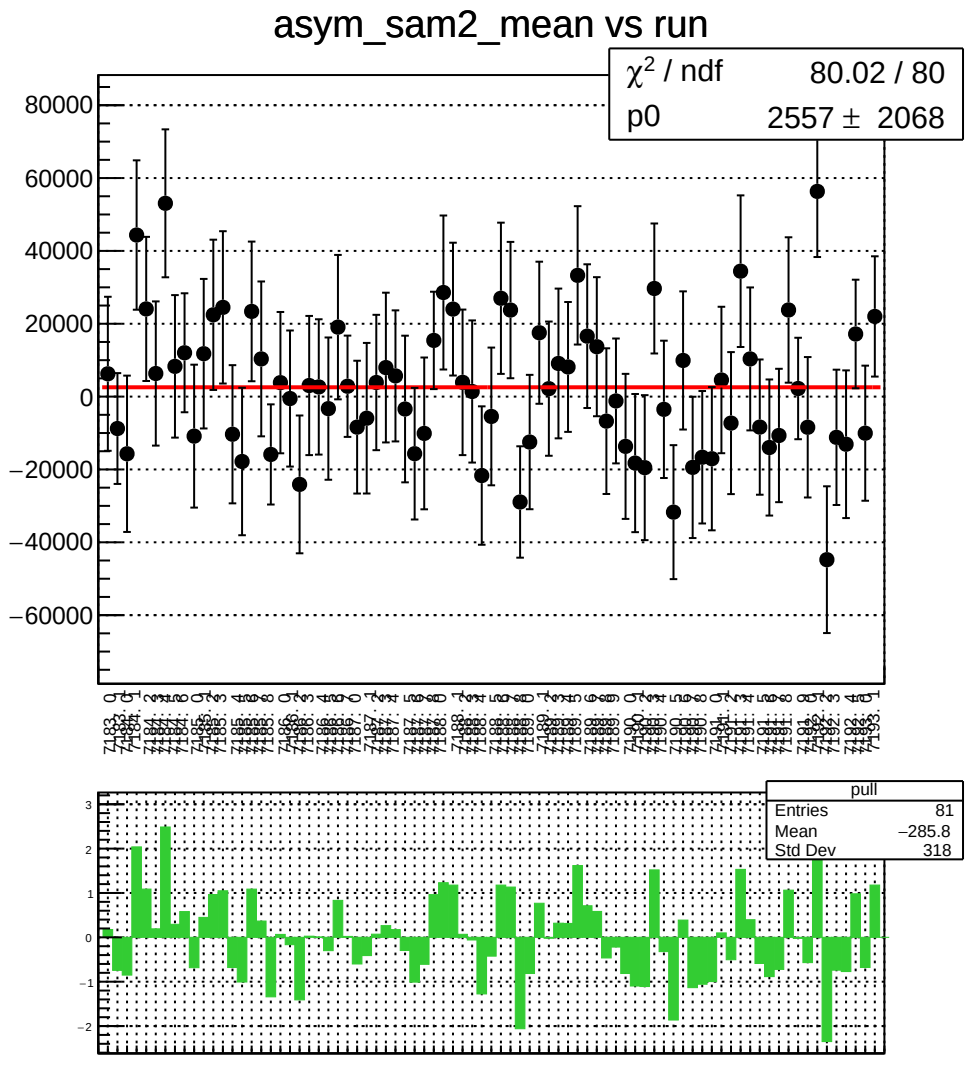

dit_asym_sam2_rms vs run
χ² / ndf 402 / 80
p0 261 ± 0.2082
275
270
265
260
255
250

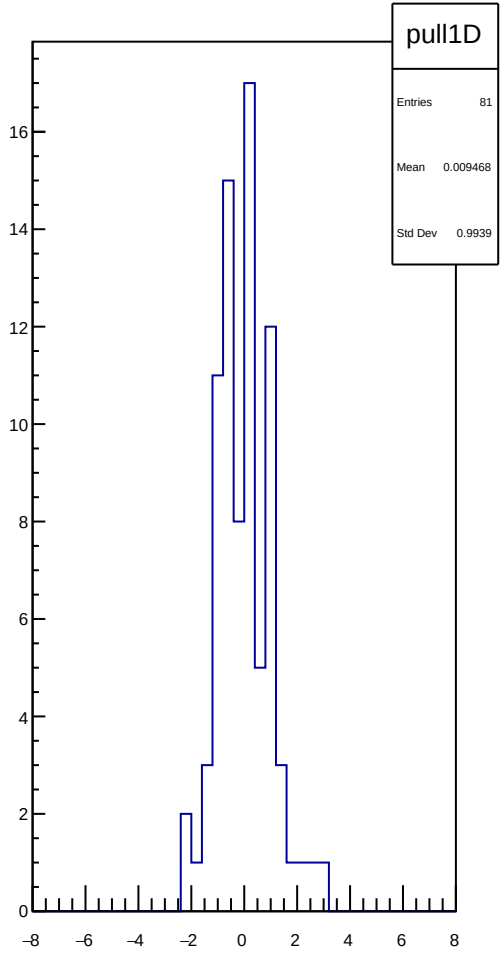

asym_sam2_correction_mean vs run
χ² / ndf 84.94 / 80
p0 −2451 ± 2068
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean −244.5
Std Dev 274.6
2
1
0
−1
−2
−3

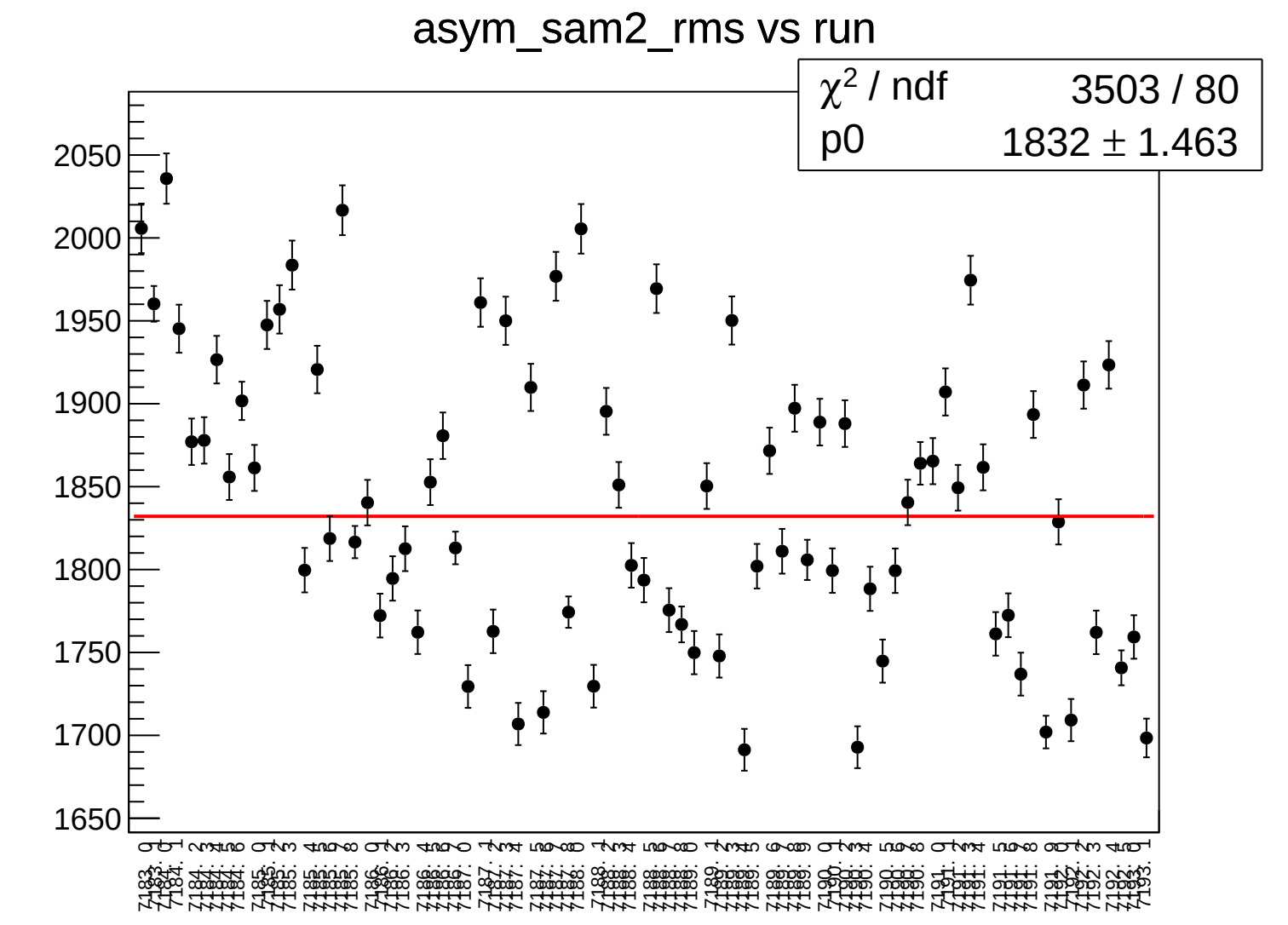

pull1D
Entries 81
Mean −0.01057
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

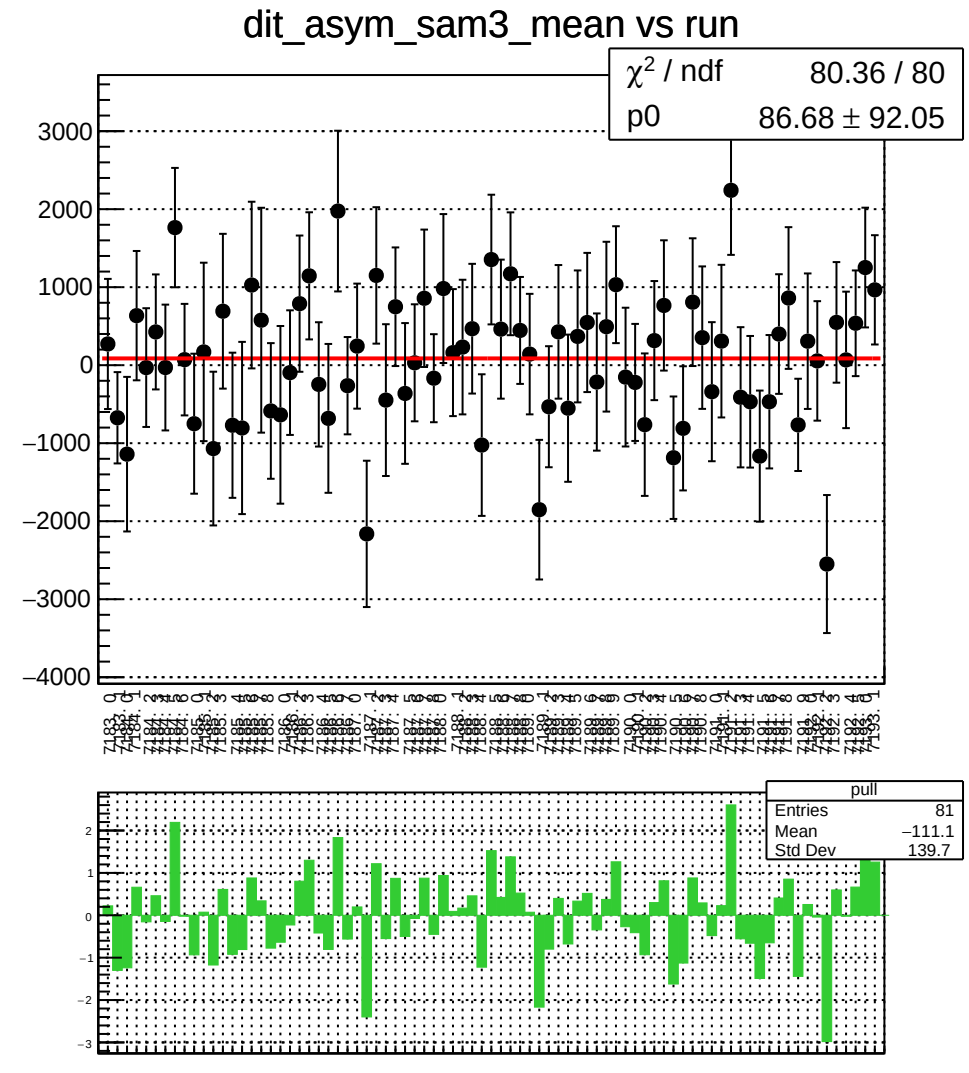
# asym_sam2_correction_rms vs run

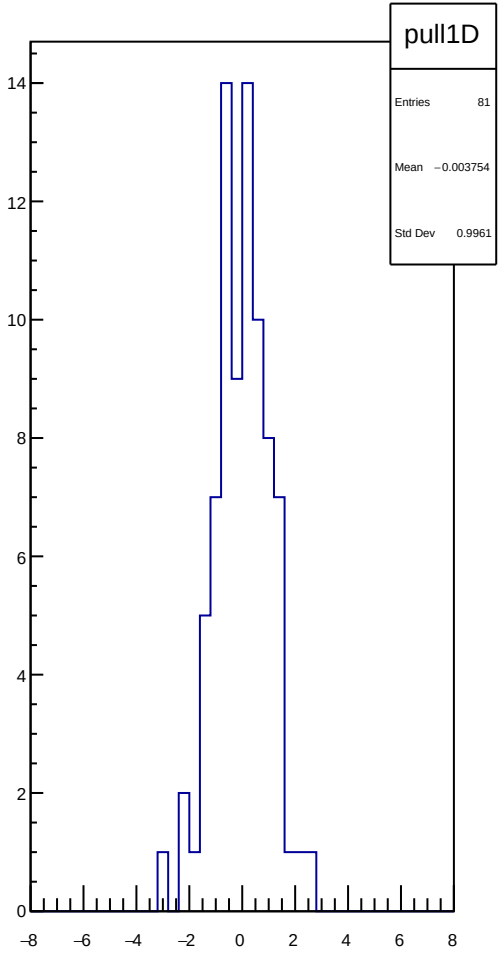


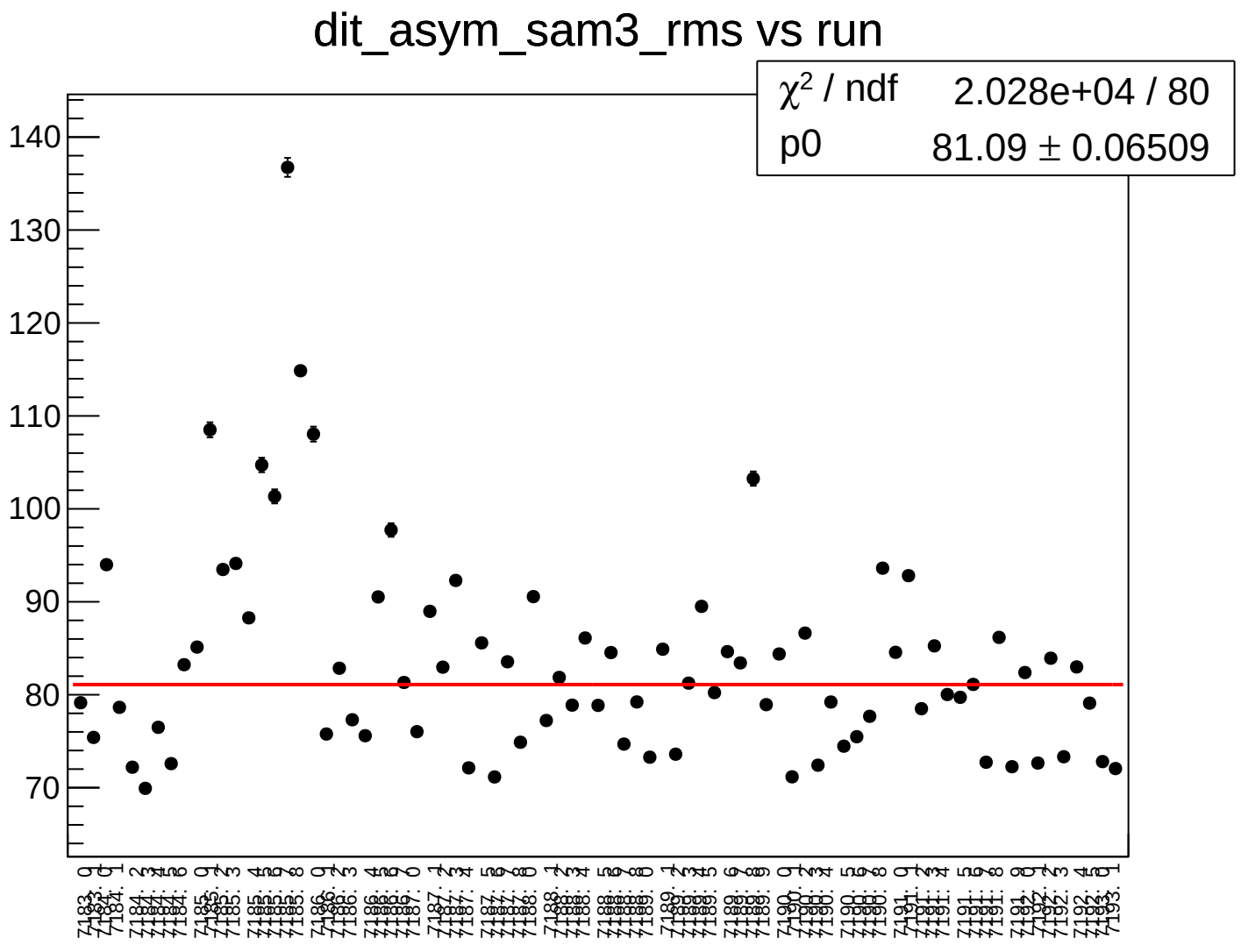

asym_sam2_mean vs run
χ² / ndf 80.02 / 80
p0 2557 ± 2068
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −285.8
Std Dev 318
3
2
1
0
−1
−2

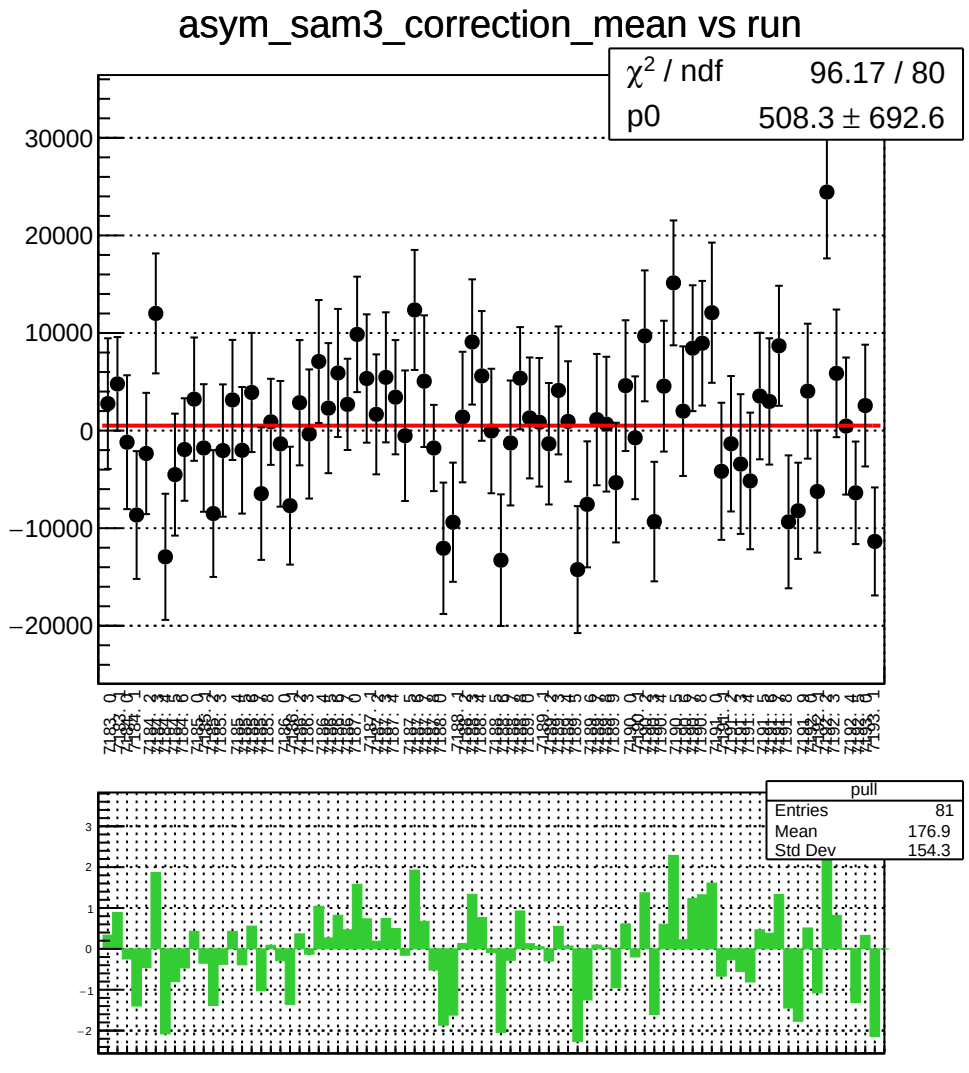

pull1D
Entries 81
Mean 0.009468
Std Dev 0.9939
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

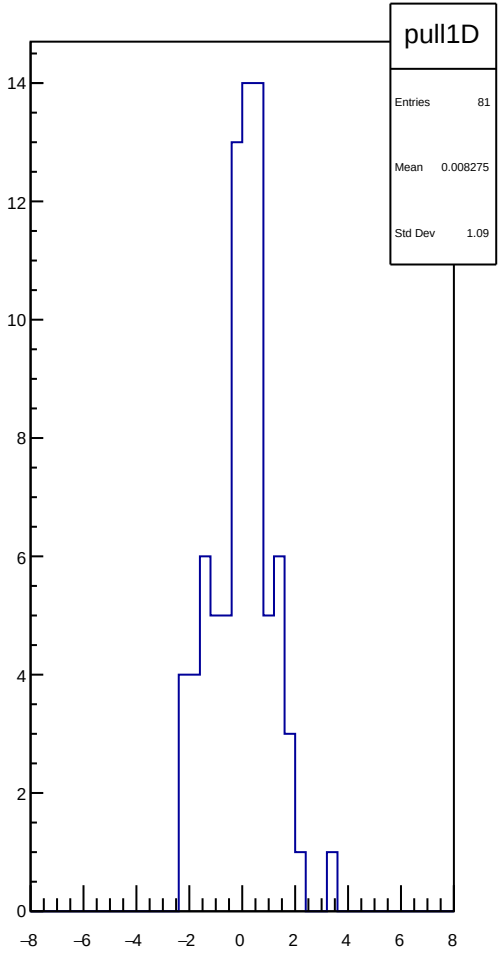

asym_sam2_rms vs run
χ² / ndf 3503 / 80
p0 1832 ± 1.463
2050
2000
1950
1900
1850
1800
1750
1700
1650

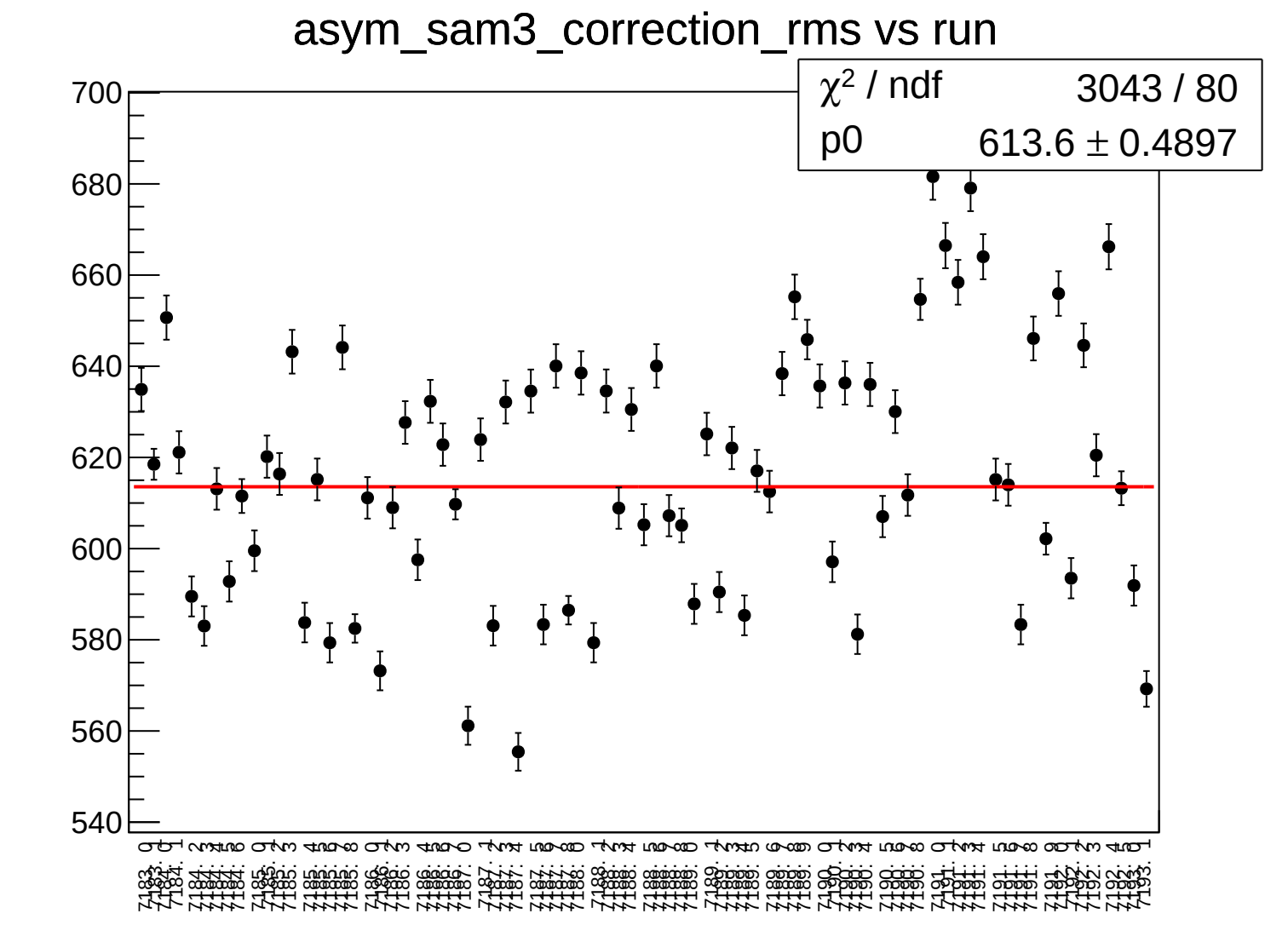

dit_asym_sam3_mean vs run
χ² / ndf 80.36 / 80
p0 86.68 ± 92.05
pull
Entries 81
Mean −111.1
Std Dev 139.7

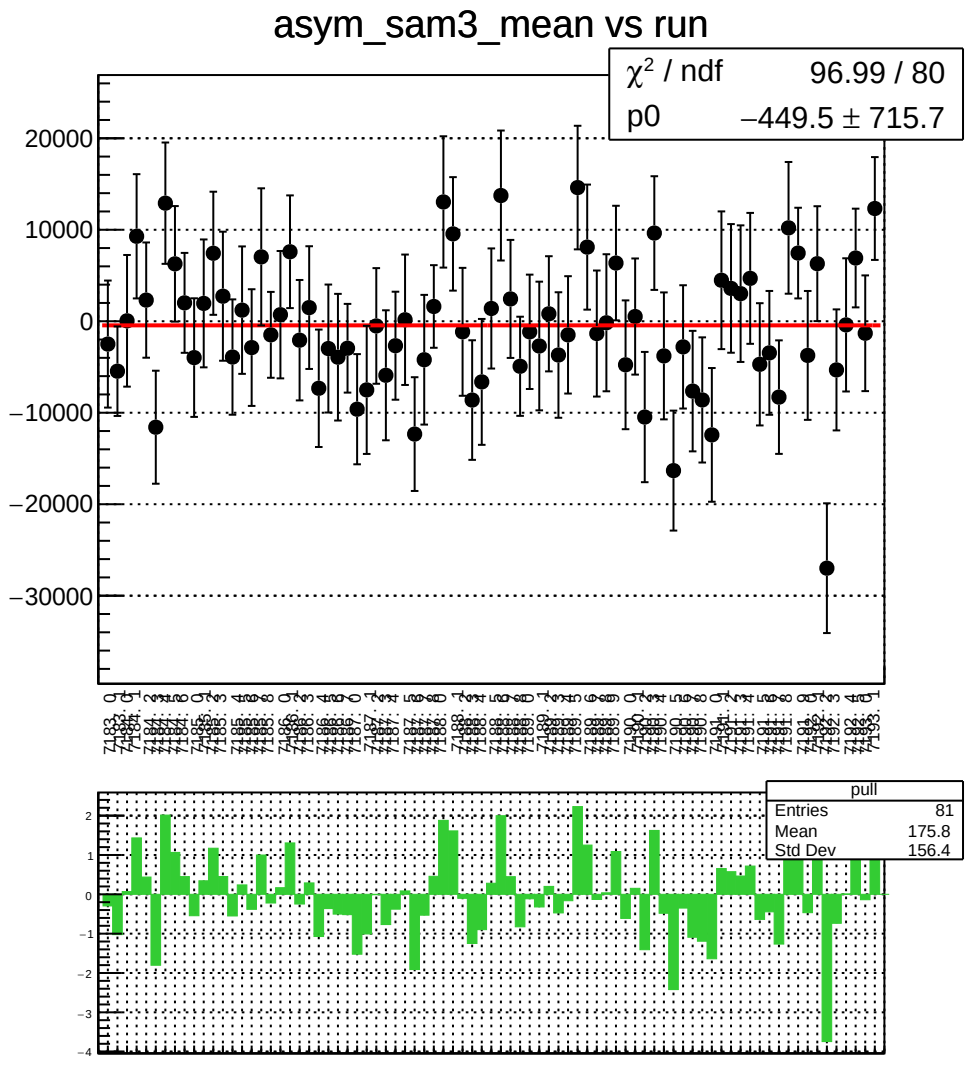

pull1D
Entries 81
Mean −0.003754
Std Dev 0.9961

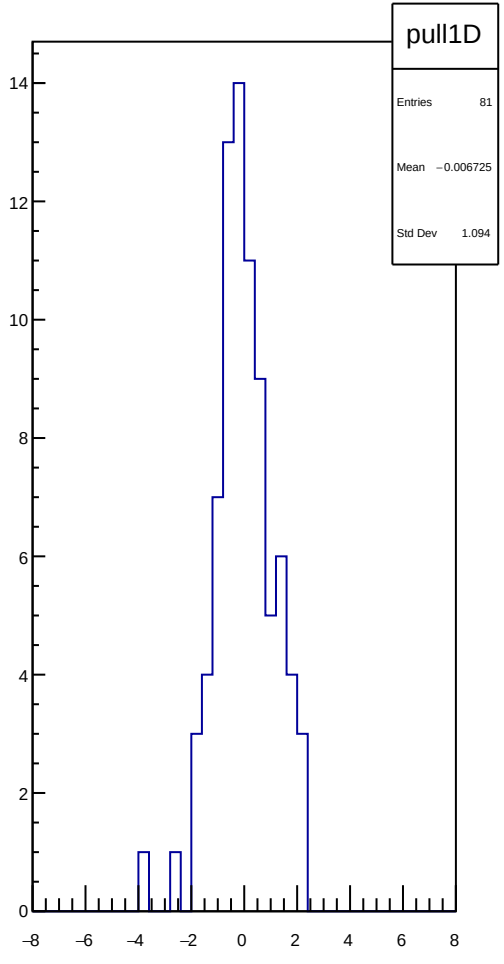

dit_asym_sam3_rms vs run
χ² / ndf 2.028e+04 / 80
p0 81.09 ± 0.06509
140
130
120
110
100
90
80
70

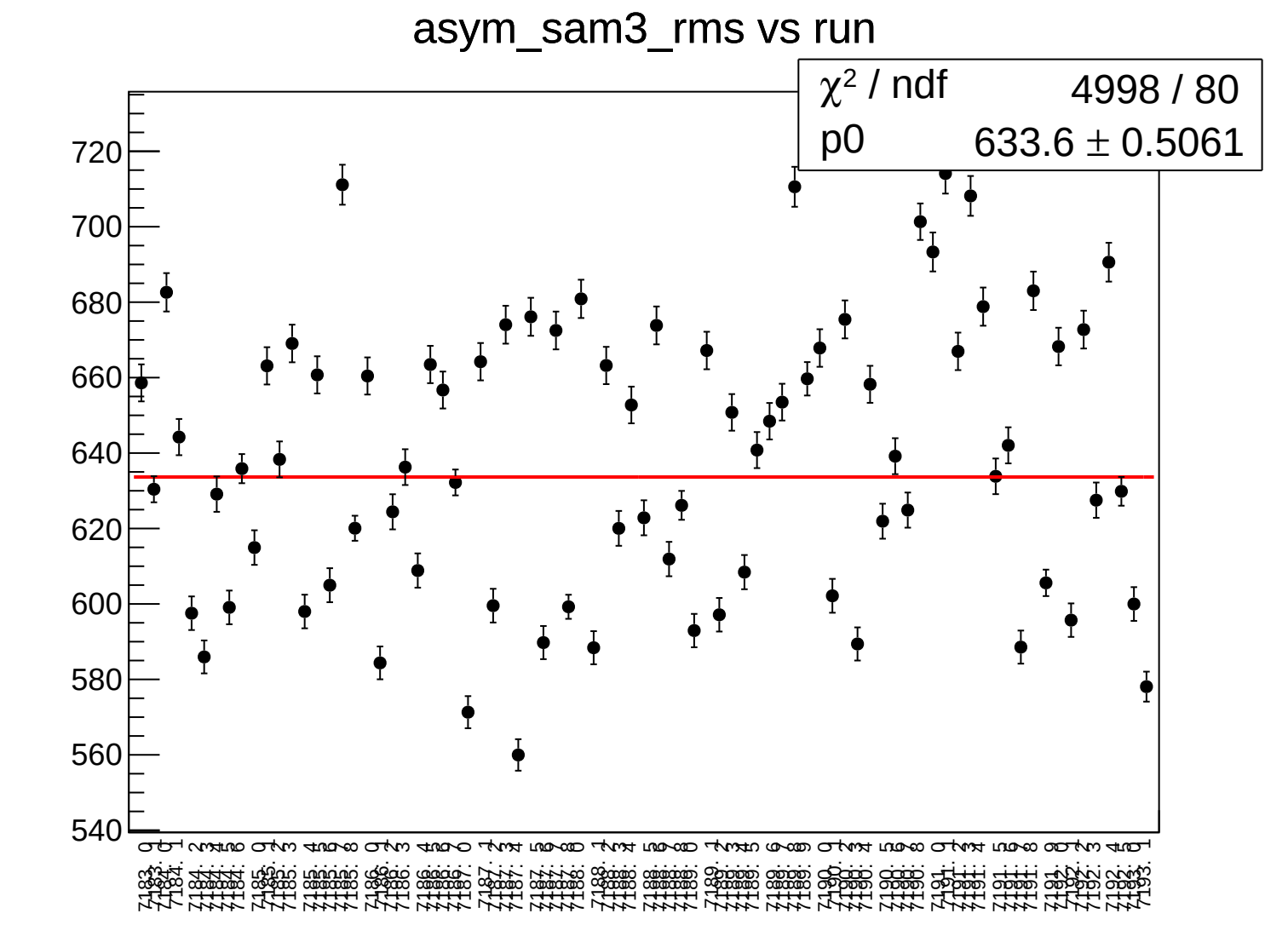

asym_sam3_correction_mean vs run
χ² / ndf 96.17 / 80
p0 508.3 ± 692.6
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 176.9
Std Dev 154.3
3
2
1
0
−1
−2

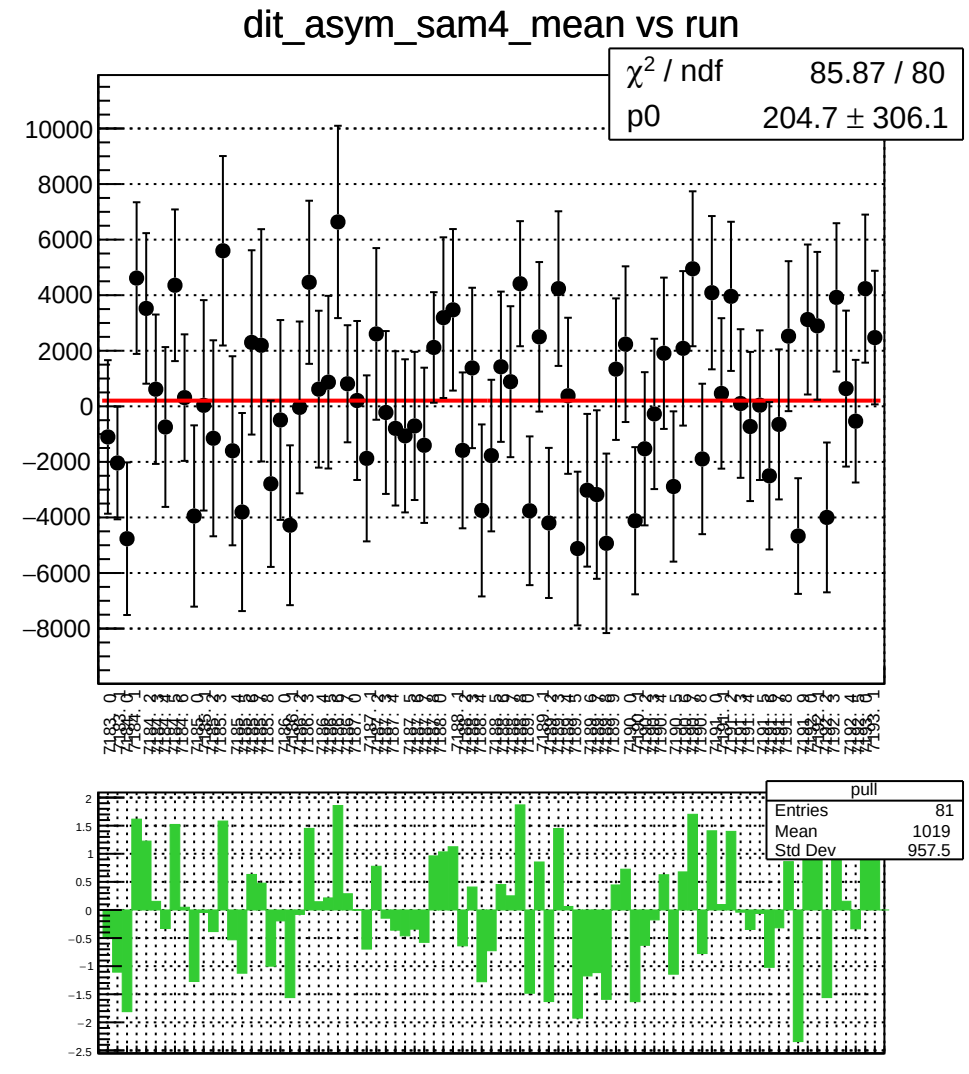

pull1D
Entries 81
Mean 0.008275
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

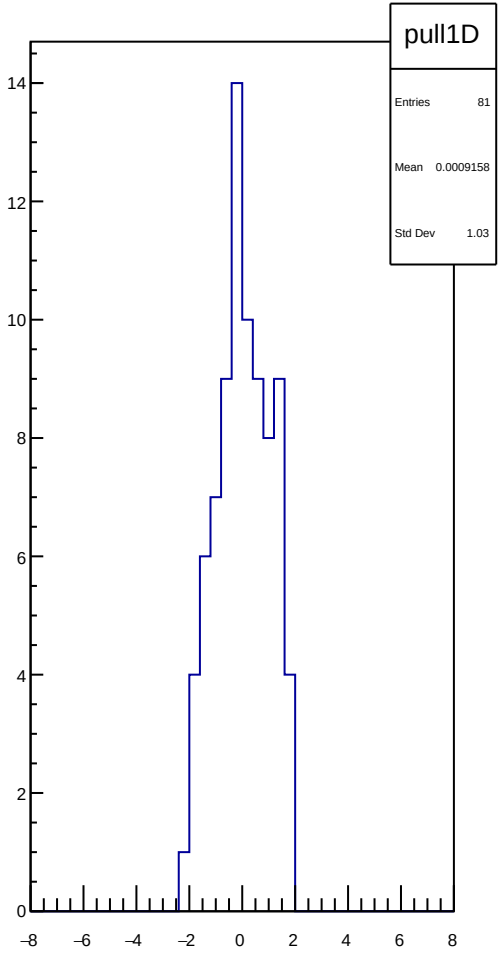

asym_sam3_correction_rms vs run
χ² / ndf 3043 / 80
p0 613.6 ± 0.4897
700
680
660
640
620
600
580
560
540

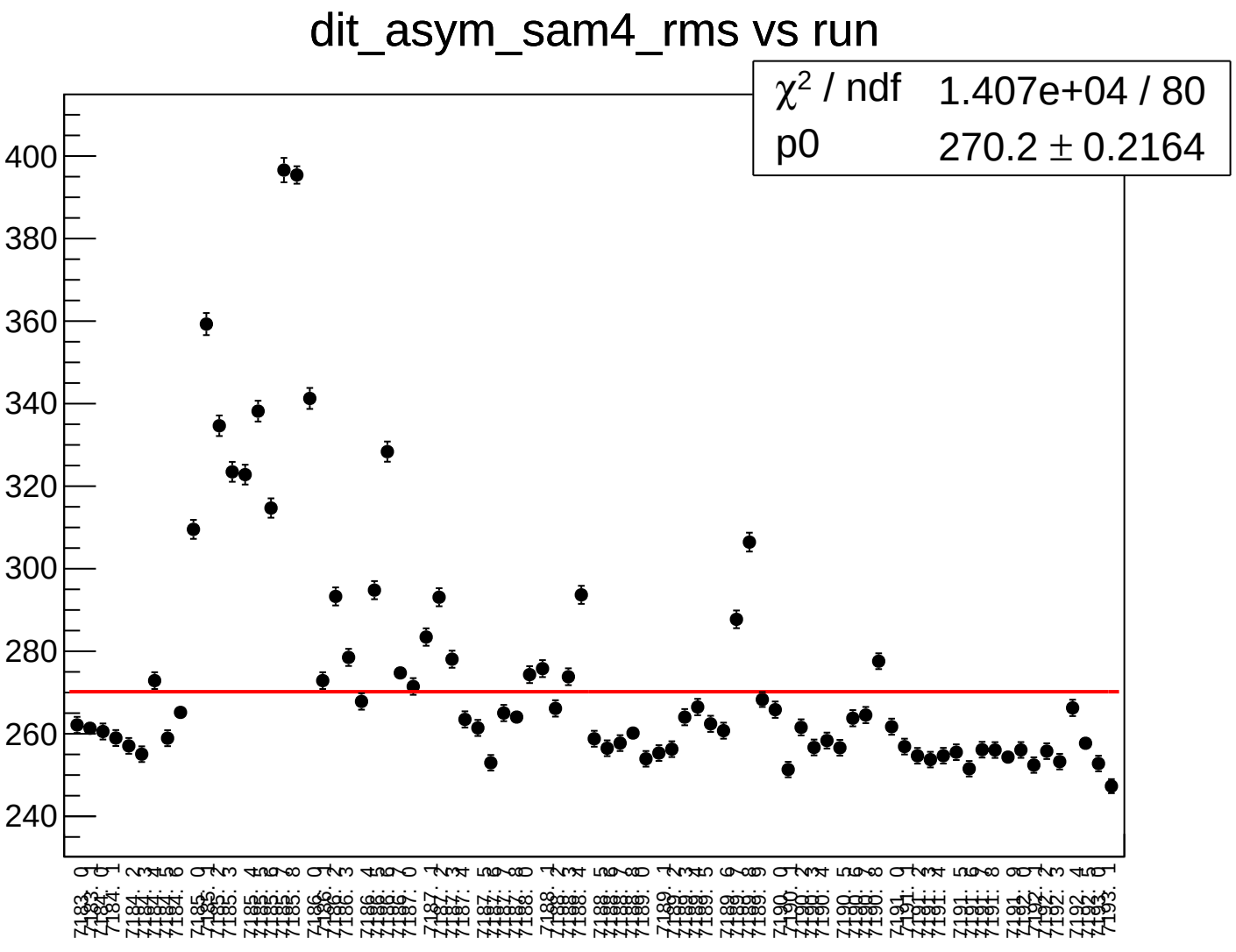

asym_sam3_mean vs run
χ² / ndf 96.99 / 80
p0 −449.5 ± 715.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 175.8
Std Dev 156.4
2
1
0
−1
−2
−3
−4

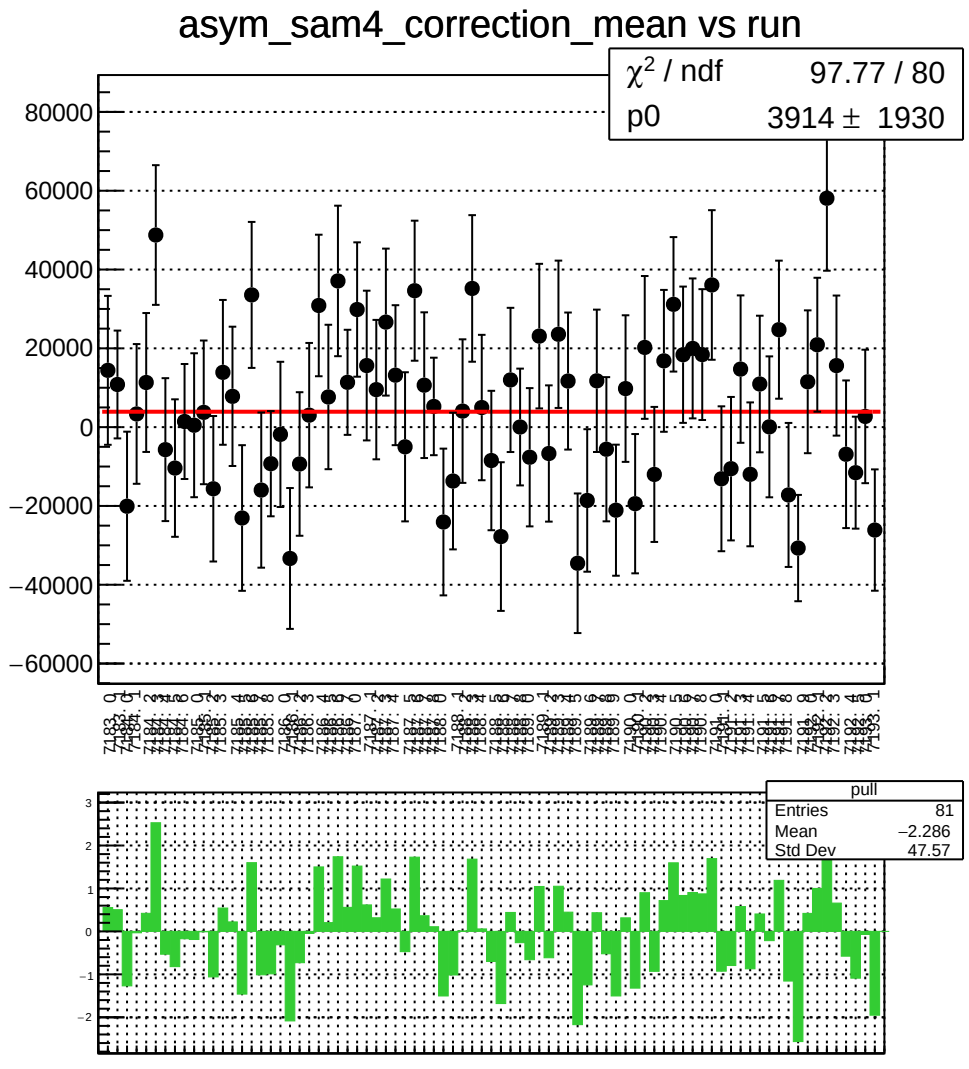

pull1D
Entries 81
Mean −0.006725
Std Dev 1.094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

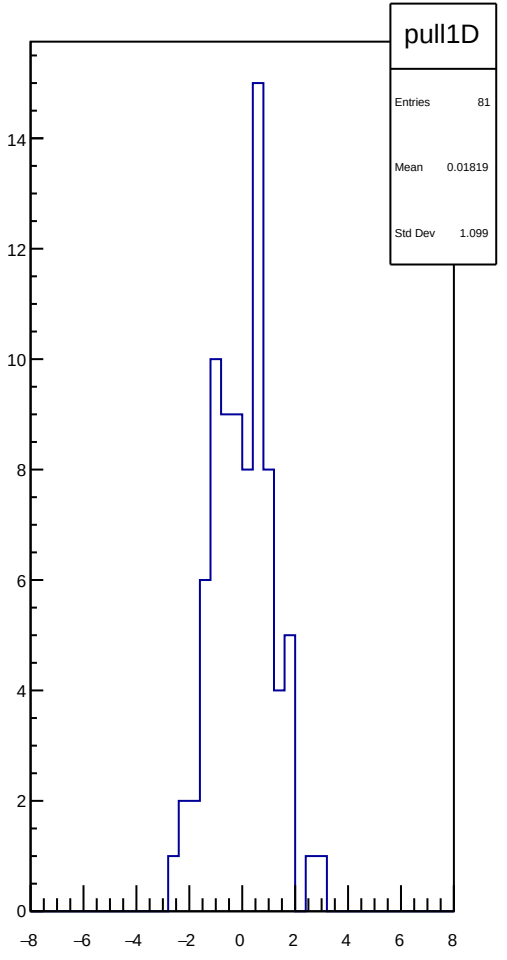

asym_sam3_rms vs run
χ² / ndf 4998 / 80
p0 633.6 ± 0.5061
720
700
680
660
640
620
600
580
560
540

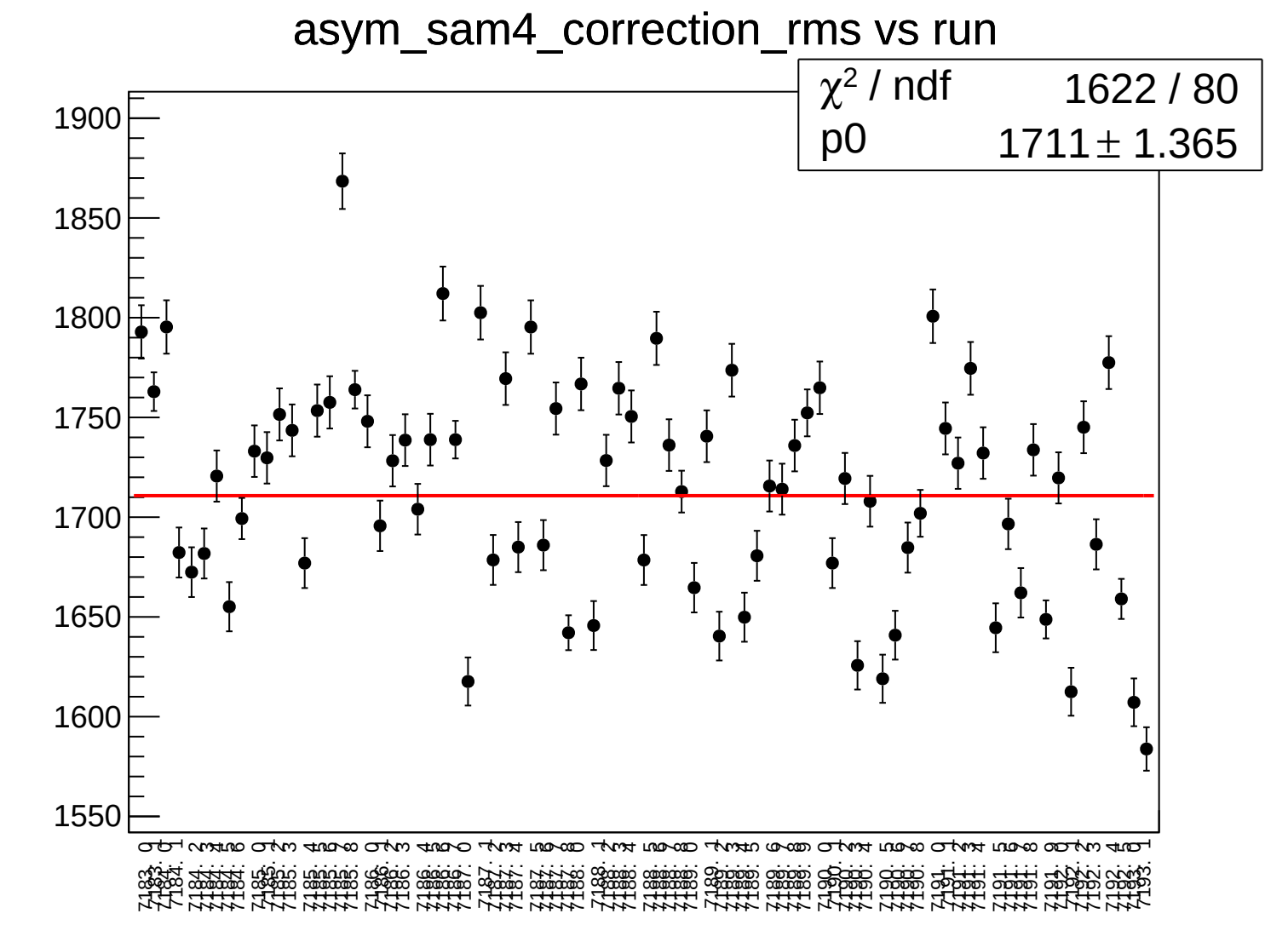

dit_asym_sam4_mean vs run
$\chi^2$ / ndf 85.87 / 80
p0 204.7 ± 306.1
pull
Entries 81
Mean 1019
Std Dev 957.5

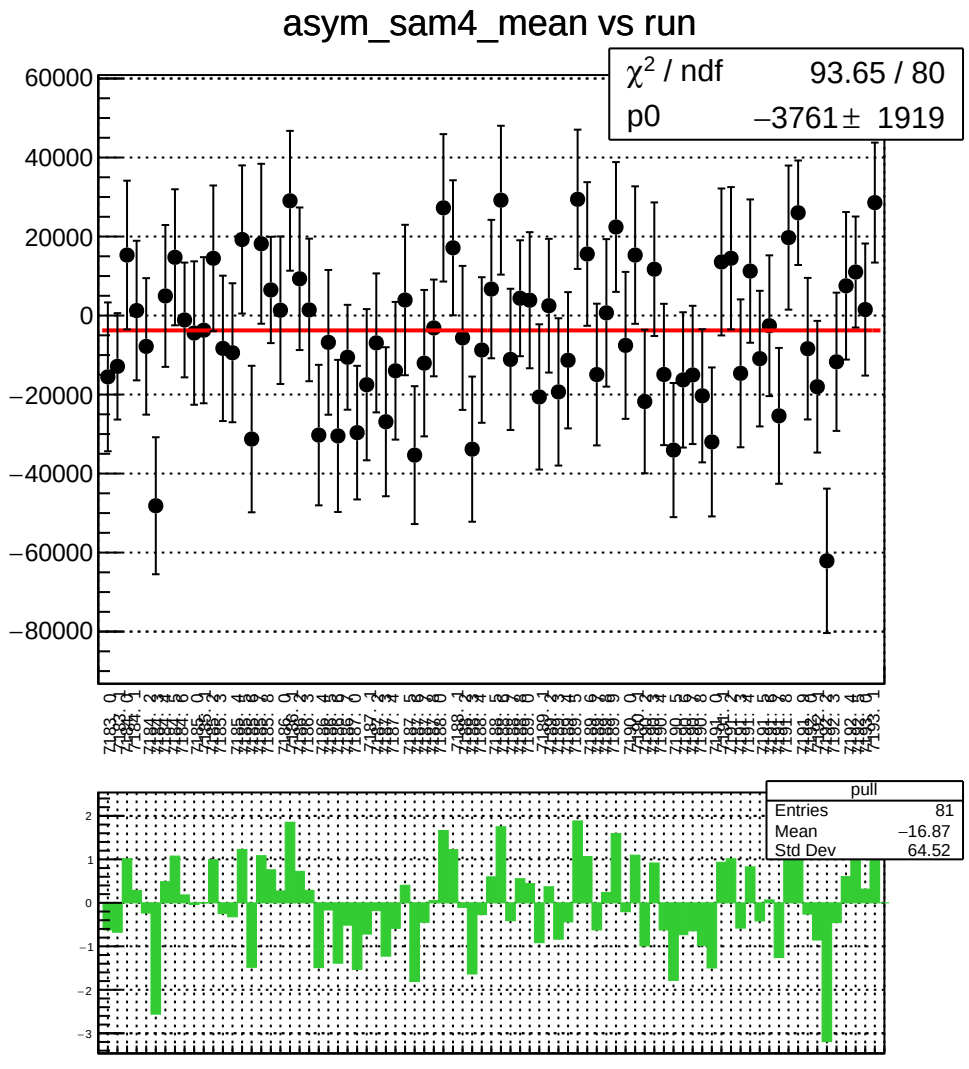

pull1D
Entries 81
Mean 0.0009158
Std Dev 1.03

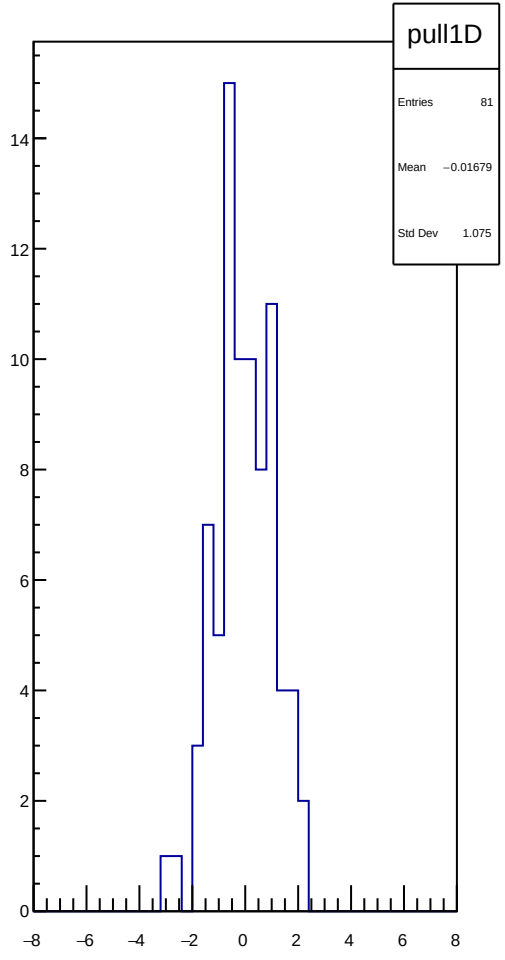

dit_asym_sam4_rms vs run
χ² / ndf 1.407e+04 / 80
p0 270.2 ± 0.2164
400
380
360
340
320
300
280
260
240

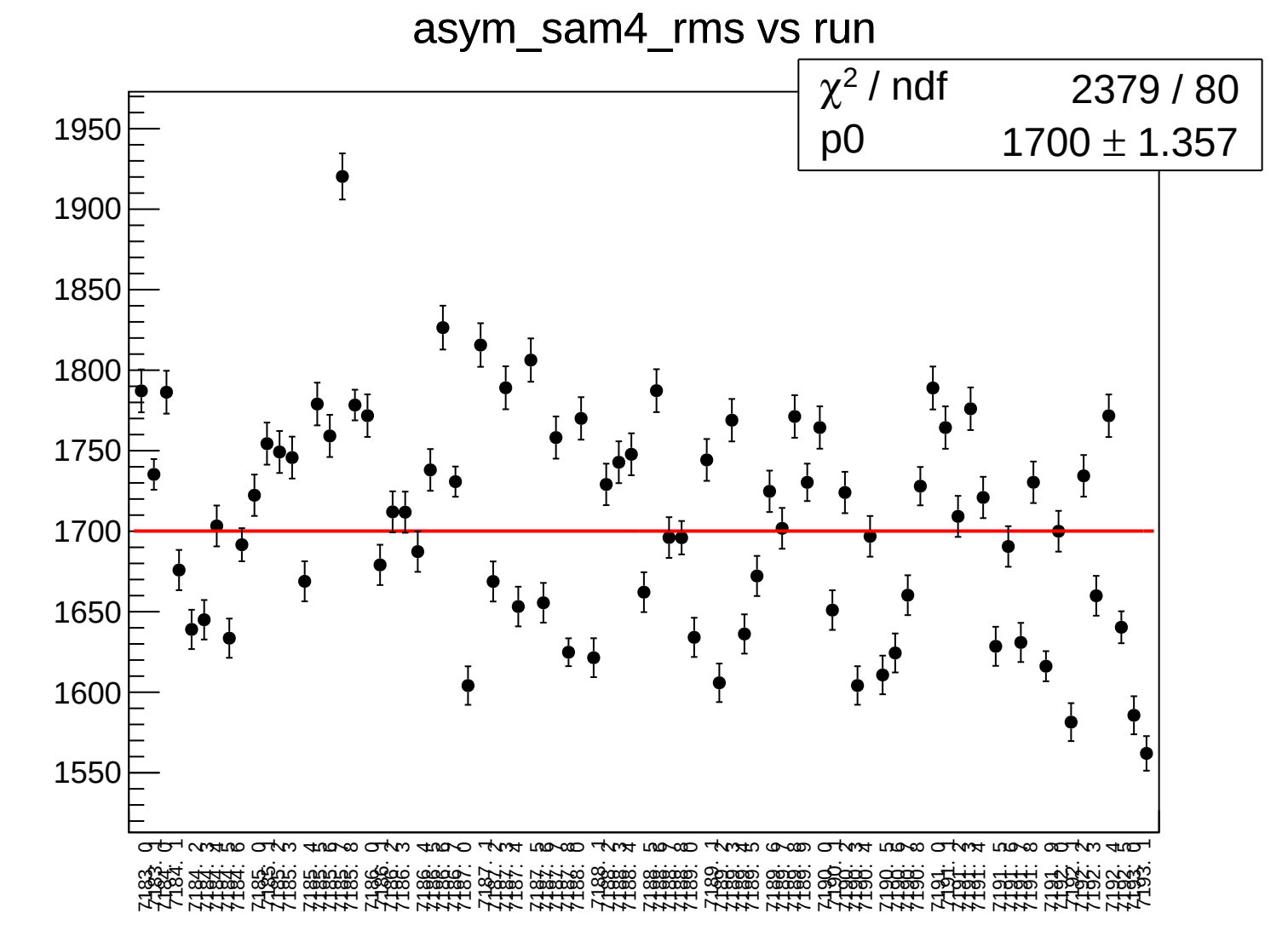

asym_sam4_correction_mean vs run
χ² / ndf 97.77 / 80
p0 3914 ± 1930
pull
Entries 81
Mean −2.286
Std Dev 47.57

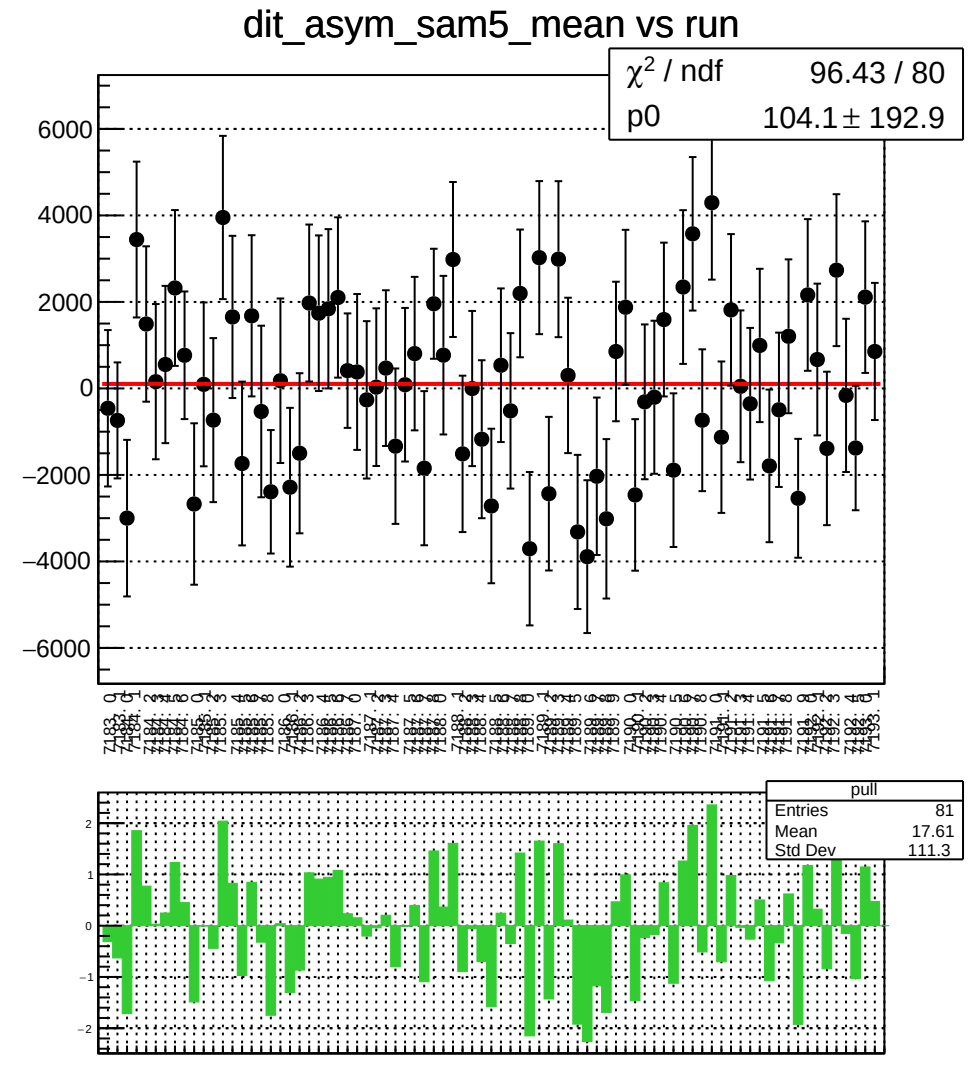

pull1D
Entries 81
Mean 0.01819
Std Dev 1.099

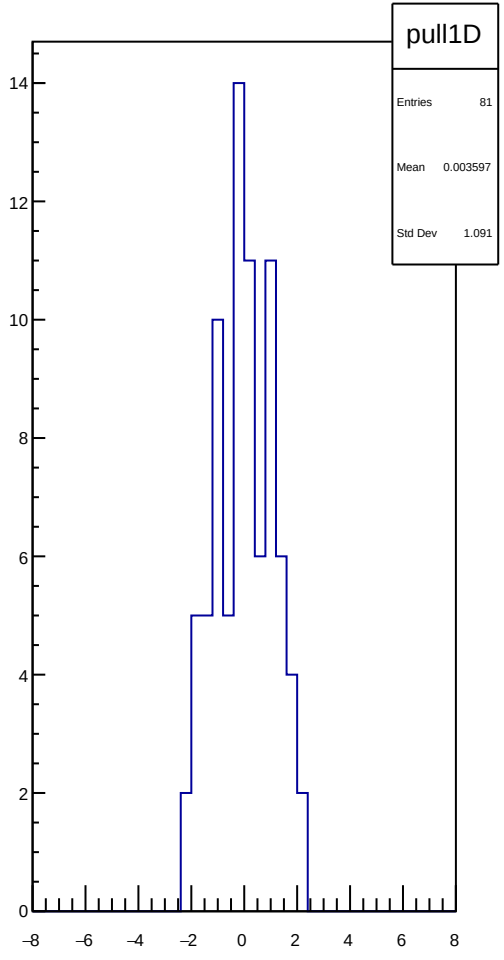

asym_sam4_correction_rms vs run
$\chi^2$ / ndf 1622 / 80
p0 1711 ± 1.365
1900
1850
1800
1750
1700
1650
1600
1550

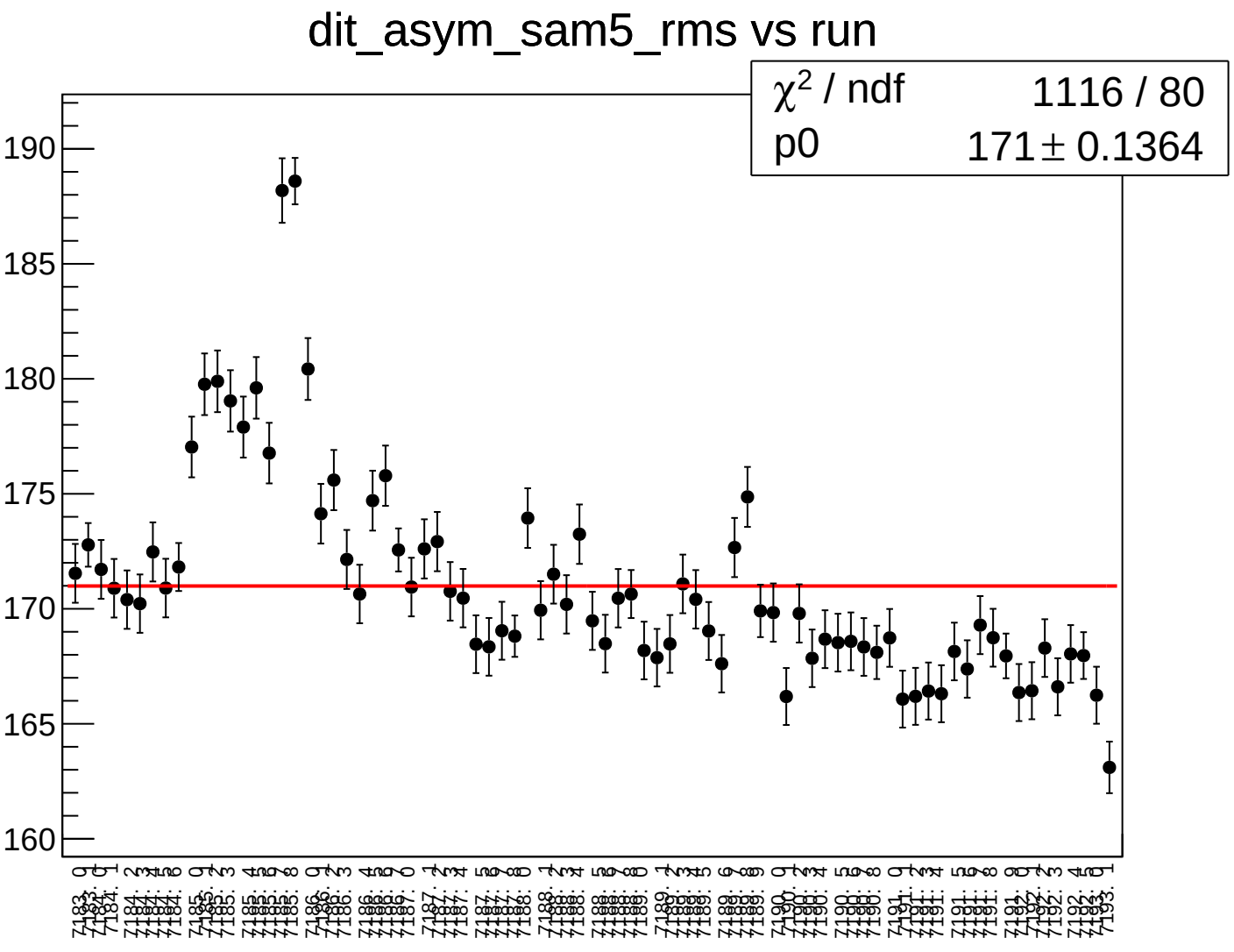

asym_sam4_mean vs run
χ² / ndf 93.65 / 80
p0 −3761 ± 1919
pull
Entries 81
Mean −16.87
Std Dev 64.52

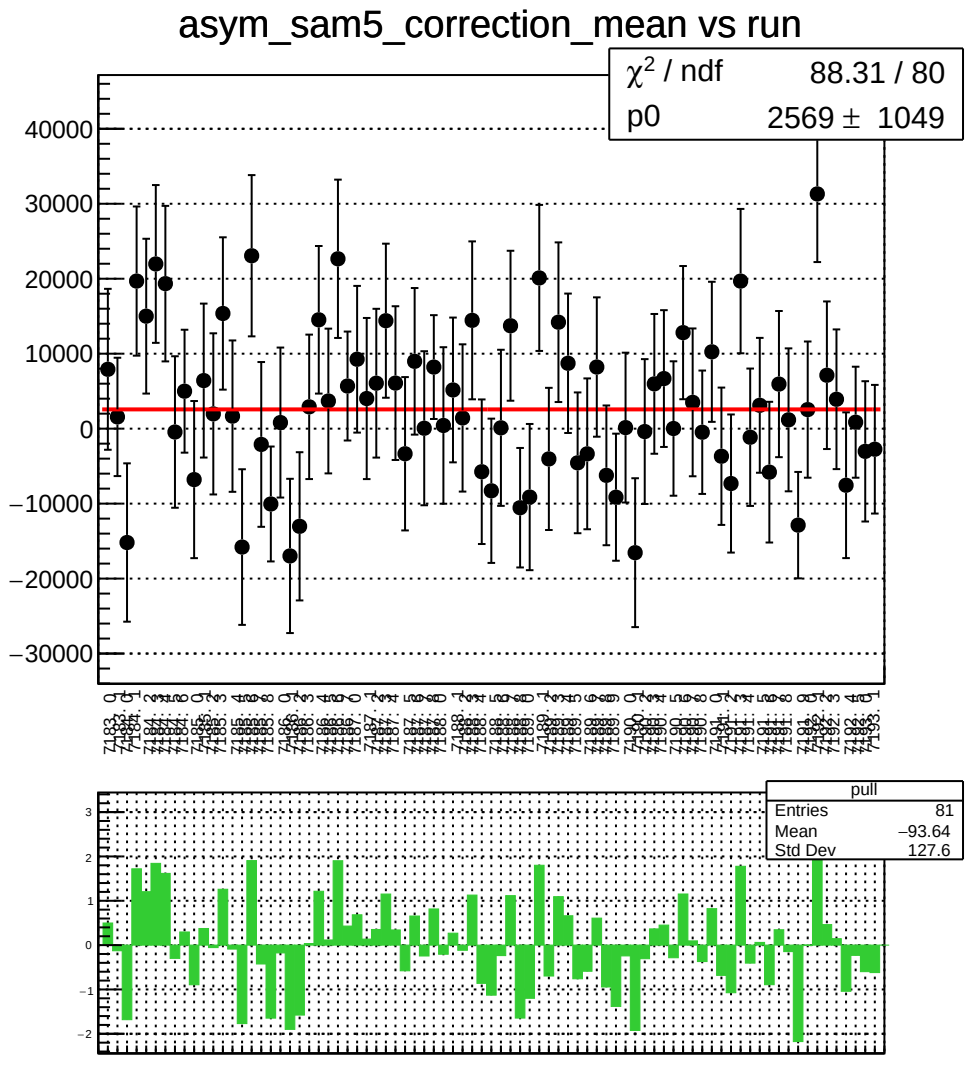

pull1D
Entries 81
Mean −0.01679
Std Dev 1.075

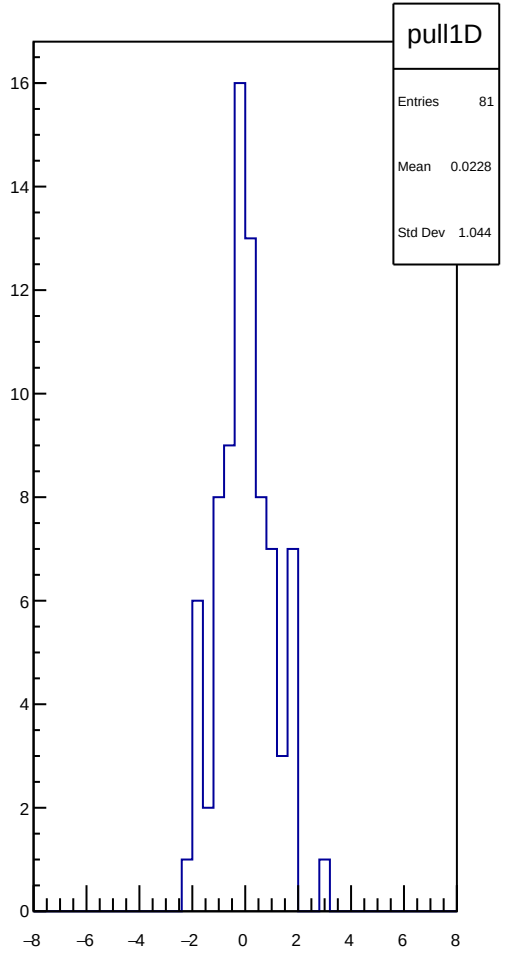

asym_sam4_rms vs run
χ² / ndf 2379 / 80
p0 1700 ± 1.357
1950
1900
1850
1800
1750
1700
1650
1600
1550

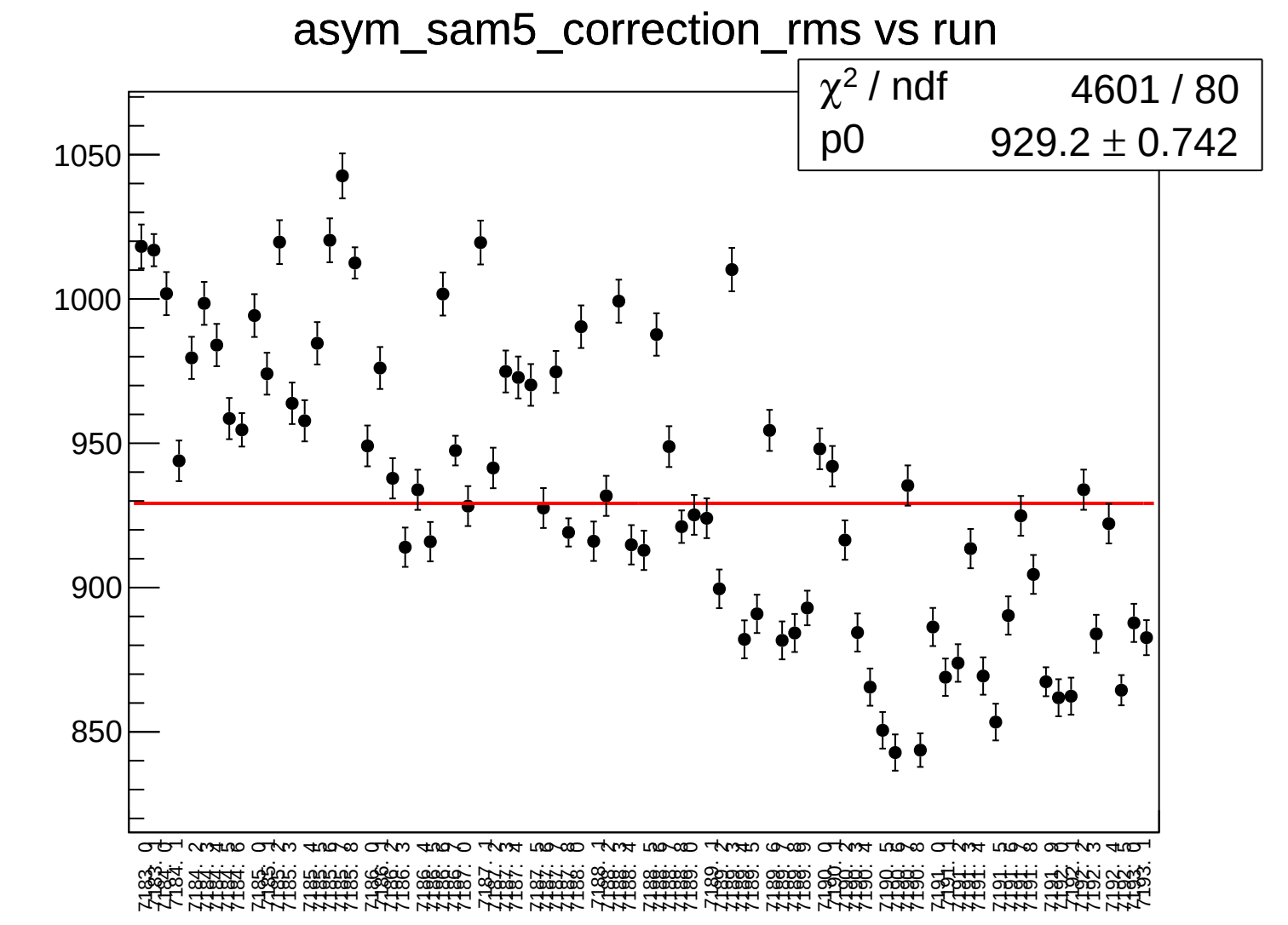

dit_asym_sam5_mean vs run
$\chi^2$ / ndf 96.43 / 80
p0 104.1 ± 192.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean 17.61
Std Dev 111.3
2
1
0
−1
−2

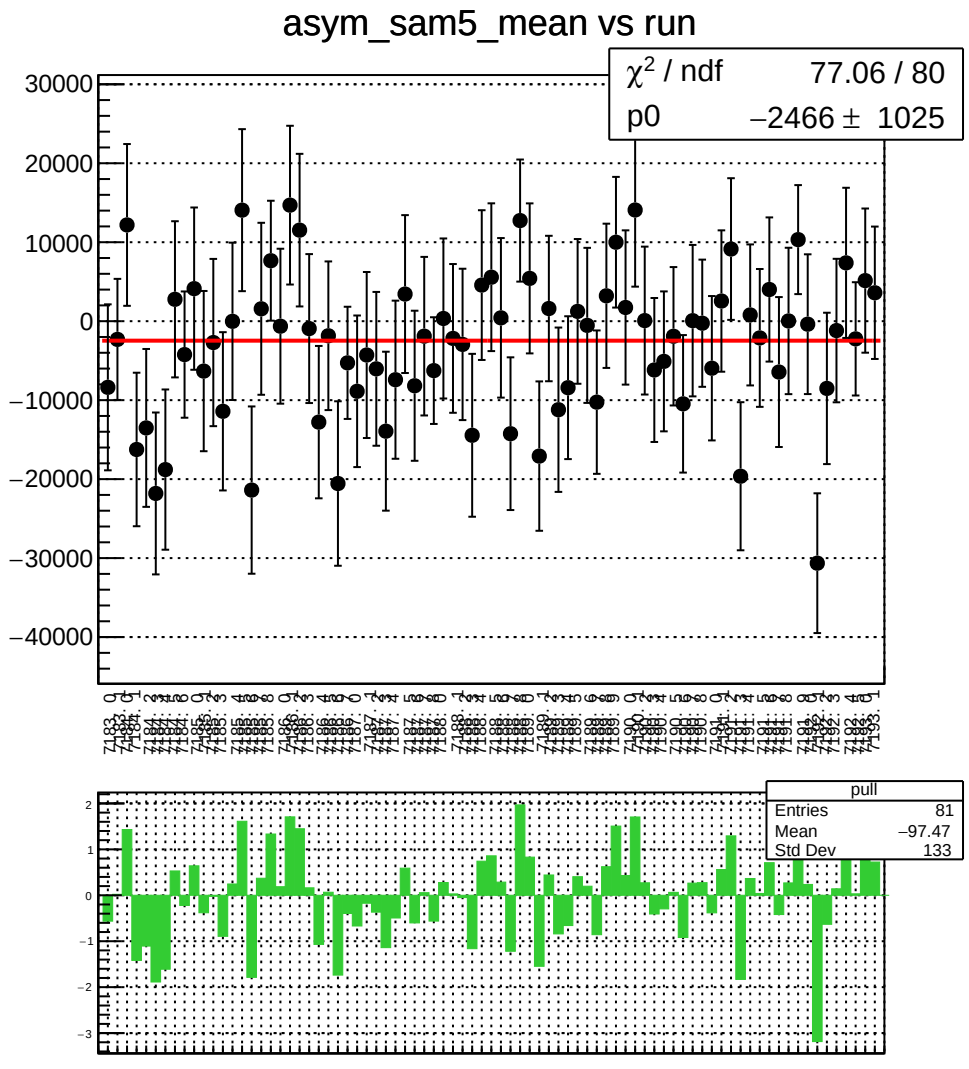

pull1D
Entries 81
Mean 0.003597
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

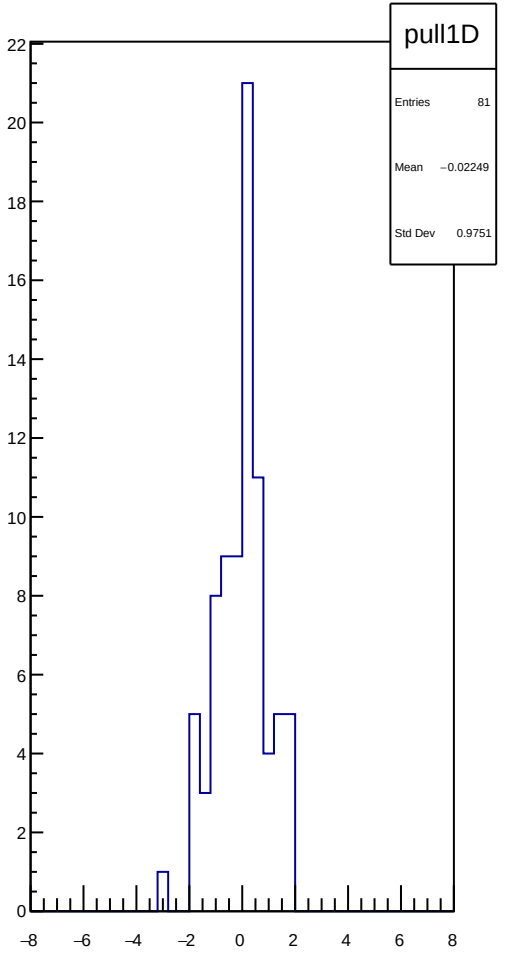

dit_asym_sam5_rms vs run
χ² / ndf 1116 / 80
p0 171 ± 0.1364
190
185
180
175
170
165
160

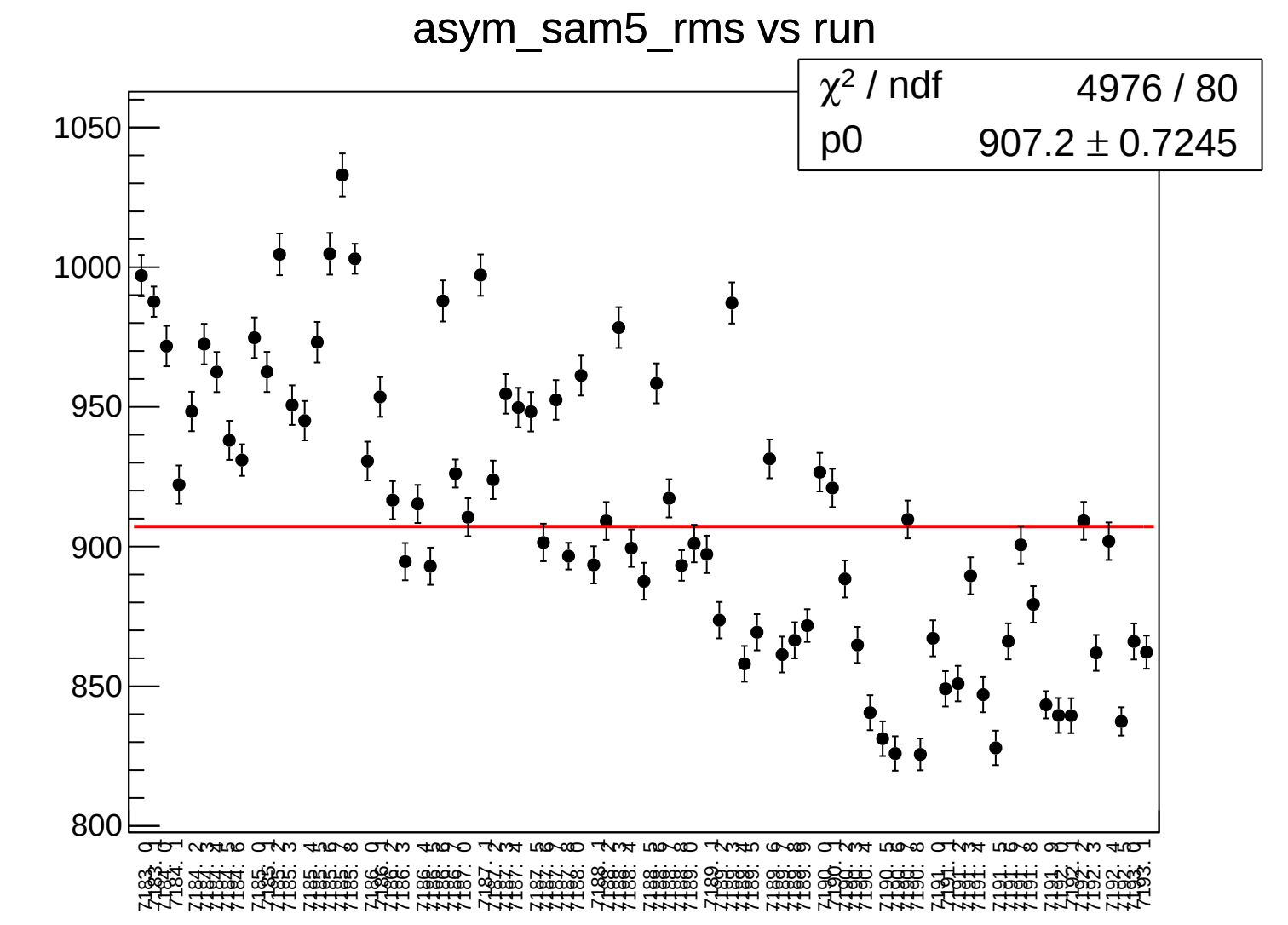

asym_sam5_correction_mean vs run
χ² / ndf 88.31 / 80
p0 2569 ± 1049
pull
Entries 81
Mean −93.64
Std Dev 127.6

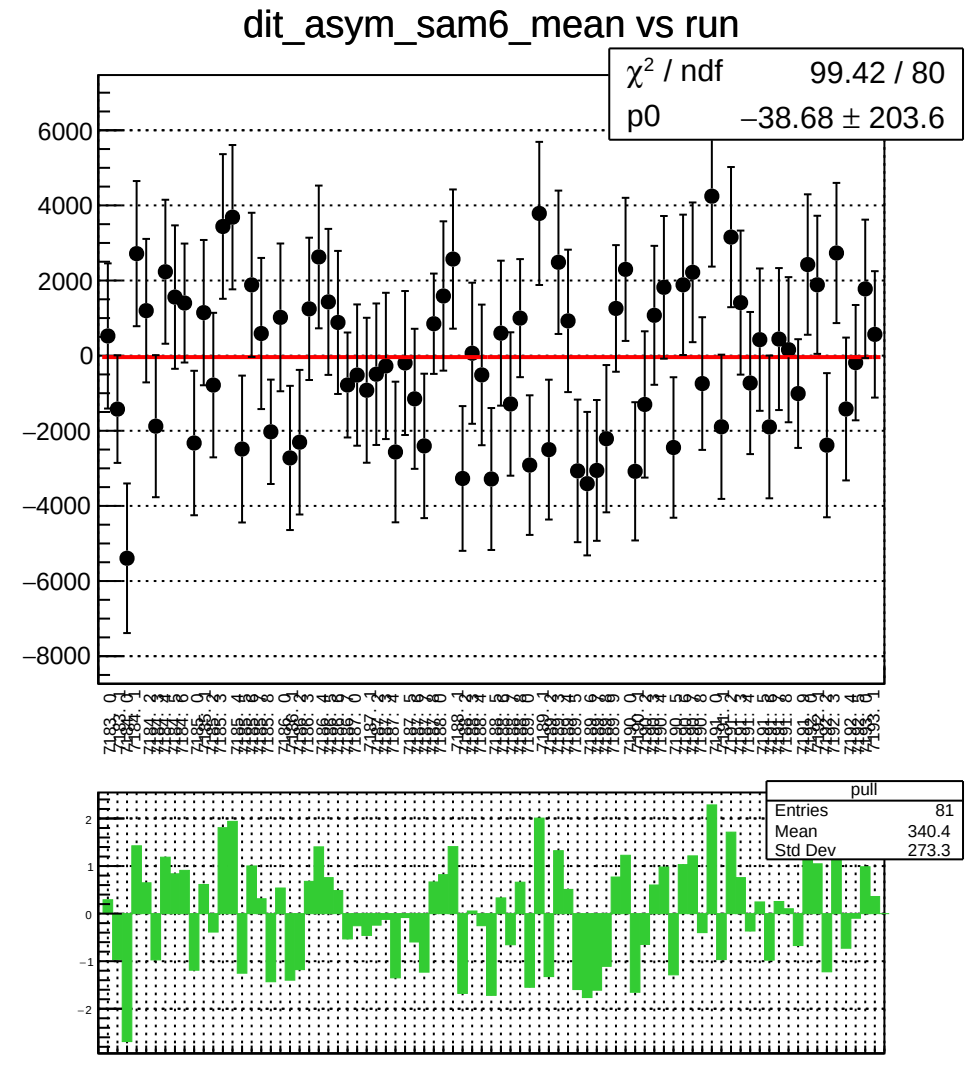

pull1D
Entries 81
Mean 0.0228
Std Dev 1.044

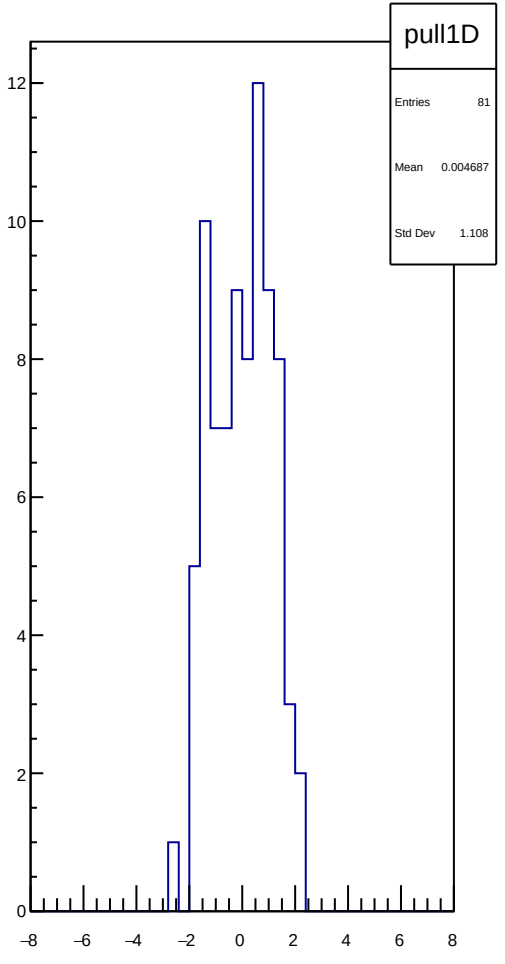

asym_sam5_correction_rms vs run
$\chi^2$ / ndf 4601 / 80
p0 929.2 ± 0.742
1050
1000
950
900
850

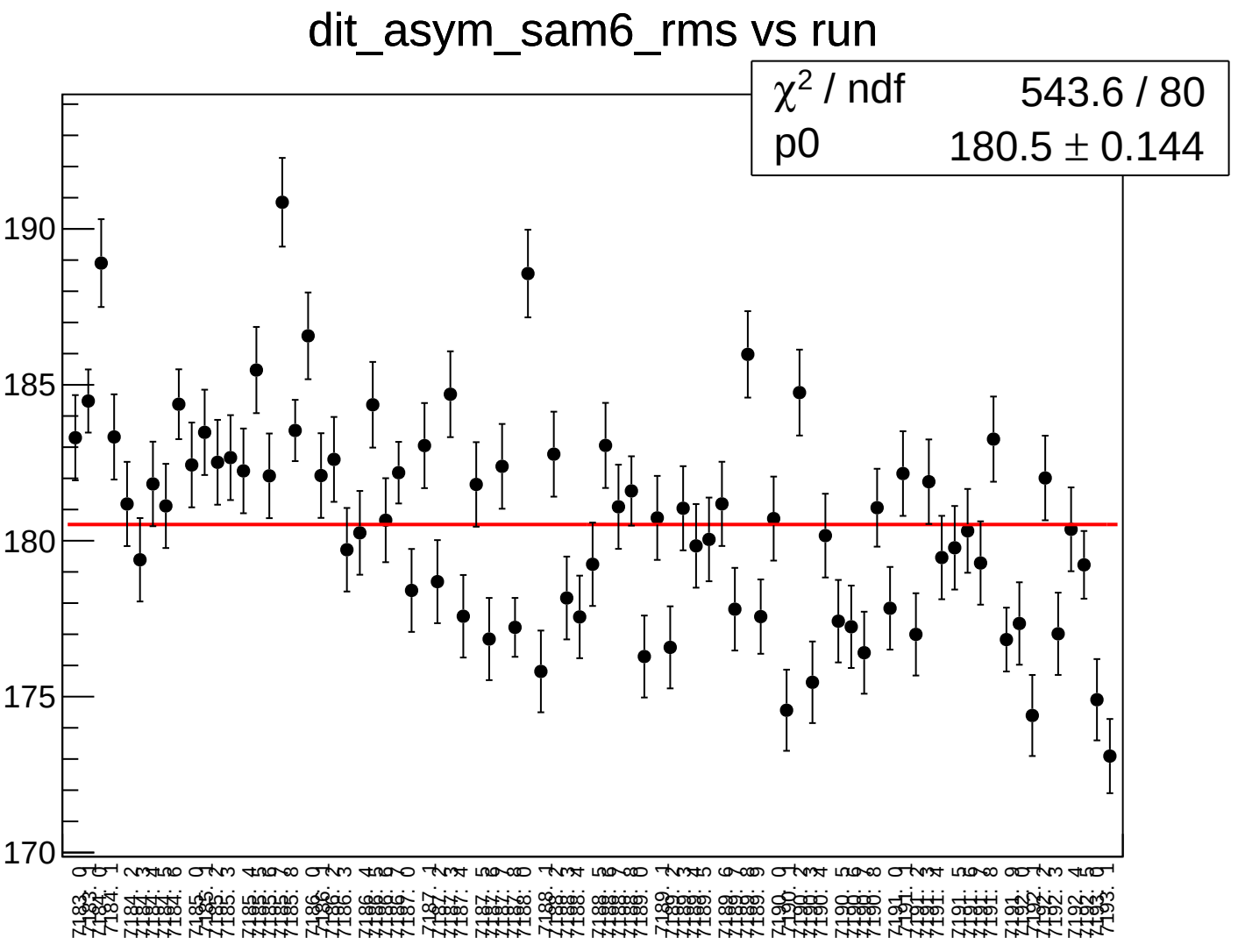

asym_sam5_mean vs run
χ² / ndf 77.06 / 80
p0 −2466 ± 1025
pull
Entries 81
Mean −97.47
Std Dev 133

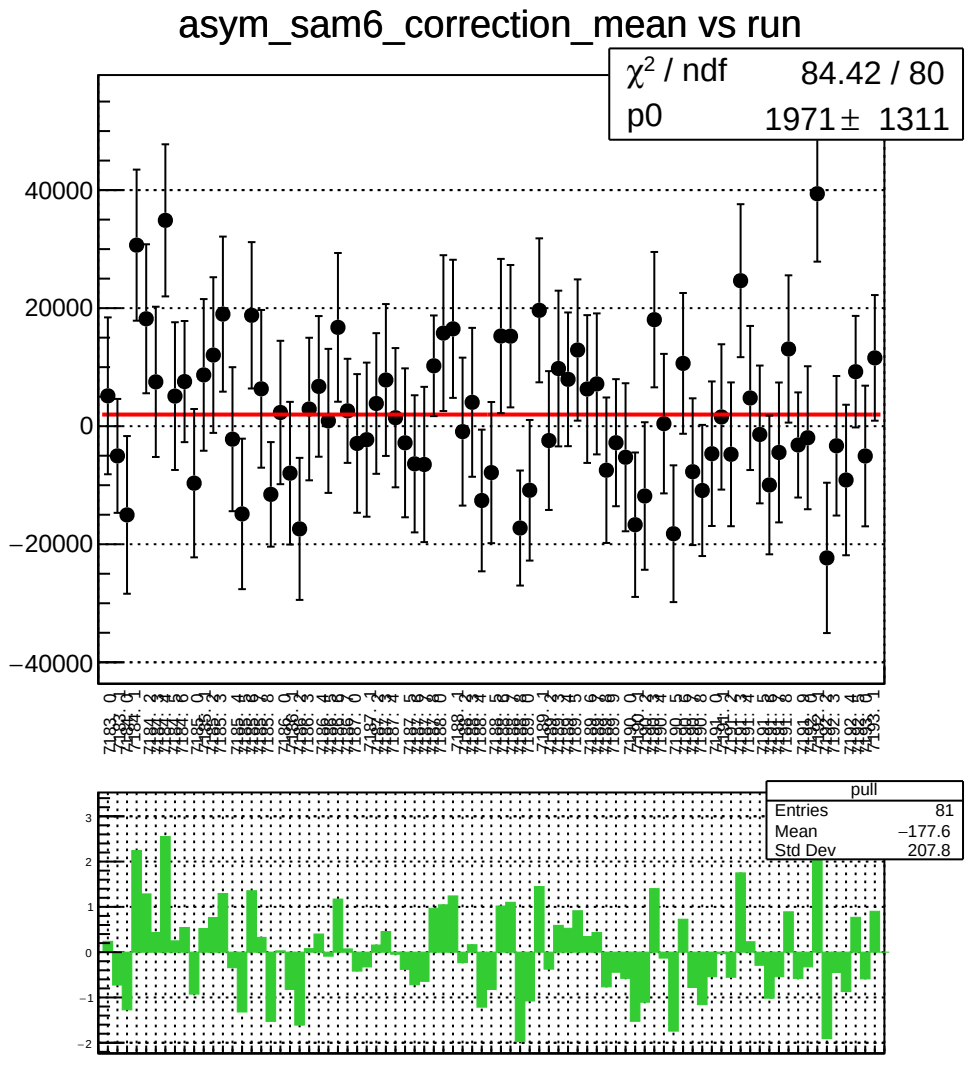

pull1D
Entries 81
Mean −0.02249
Std Dev 0.9751

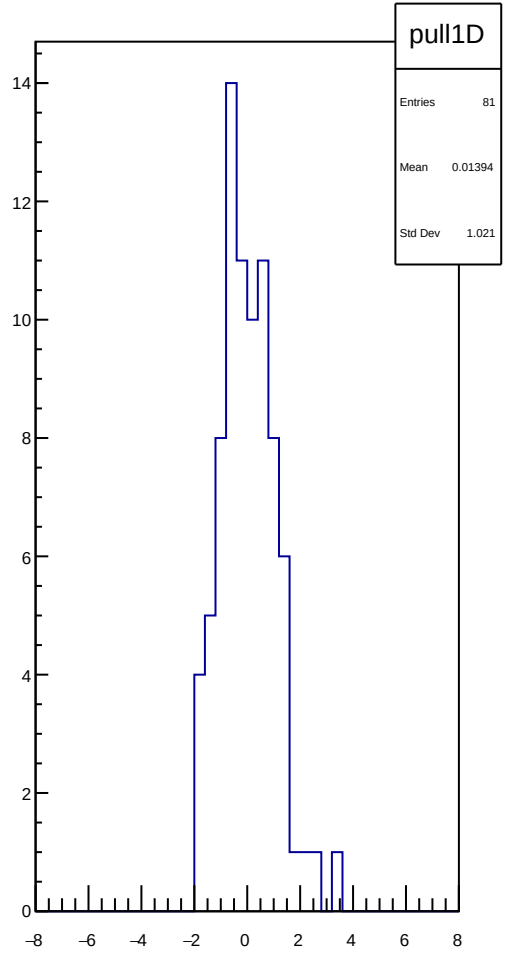

asym_sam5_rms vs run
χ² / ndf 4976 / 80
p0 907.2 ± 0.7245
1050
1000
950
900
850
800


dit_asym_sam6_mean vs run
χ² / ndf 99.42 / 80
p0 −38.68 ± 203.6
pull
Entries 81
Mean 340.4
Std Dev 273.3

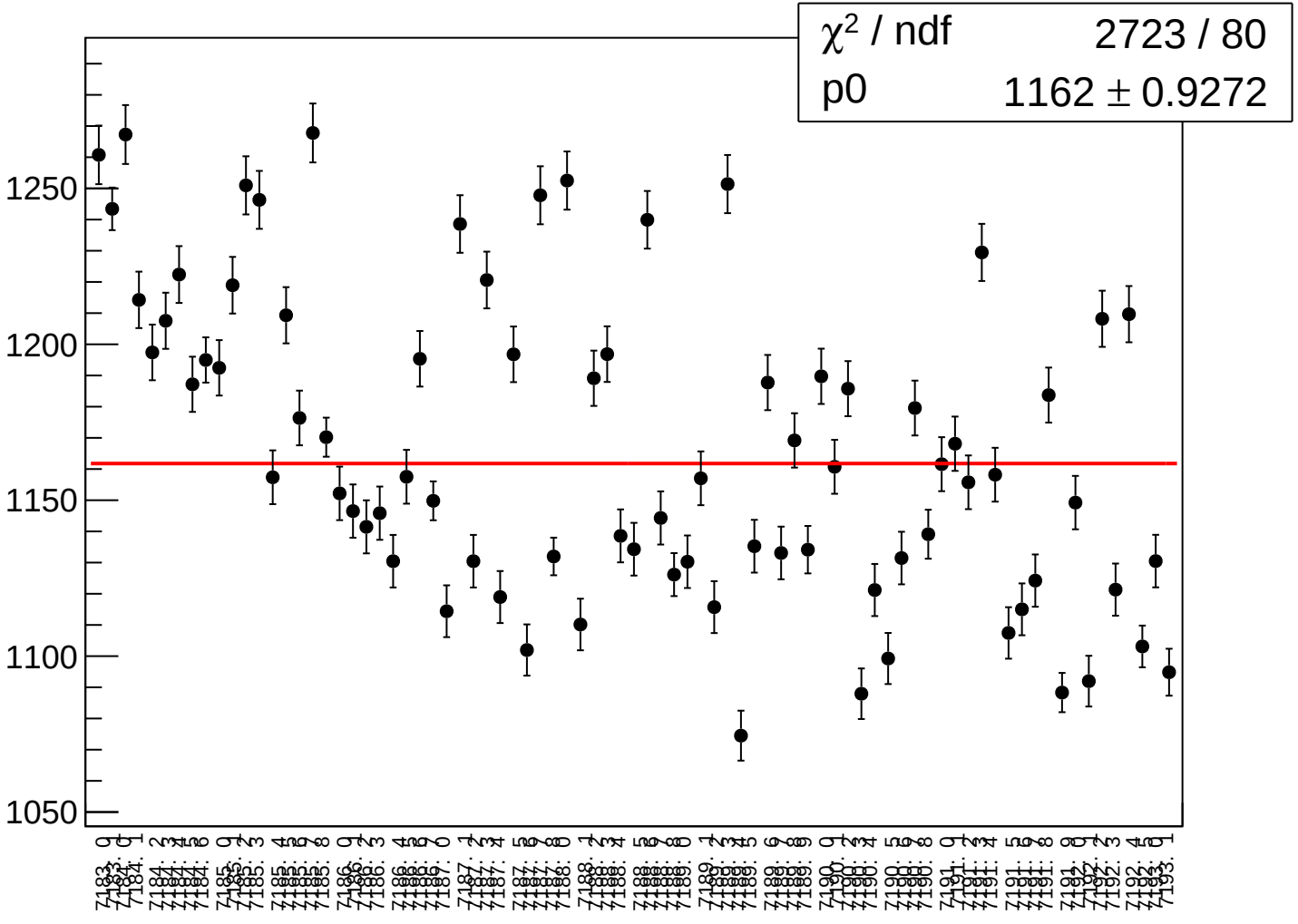

pull1D
Entries 81
Mean 0.004687
Std Dev 1.108

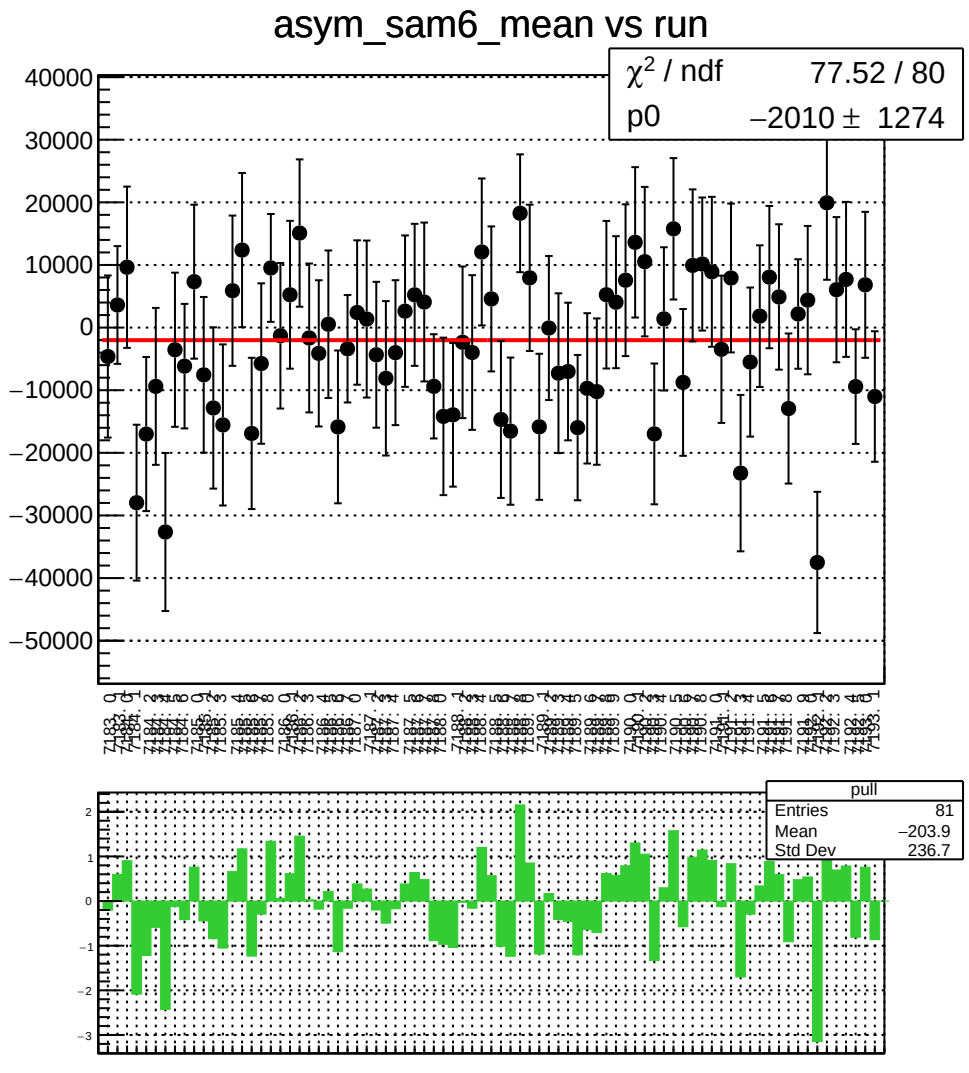

dit_asym_sam6_rms vs run
$\chi^2$ / ndf 543.6 / 80
p0 180.5 ± 0.144
190
185
180
175
170

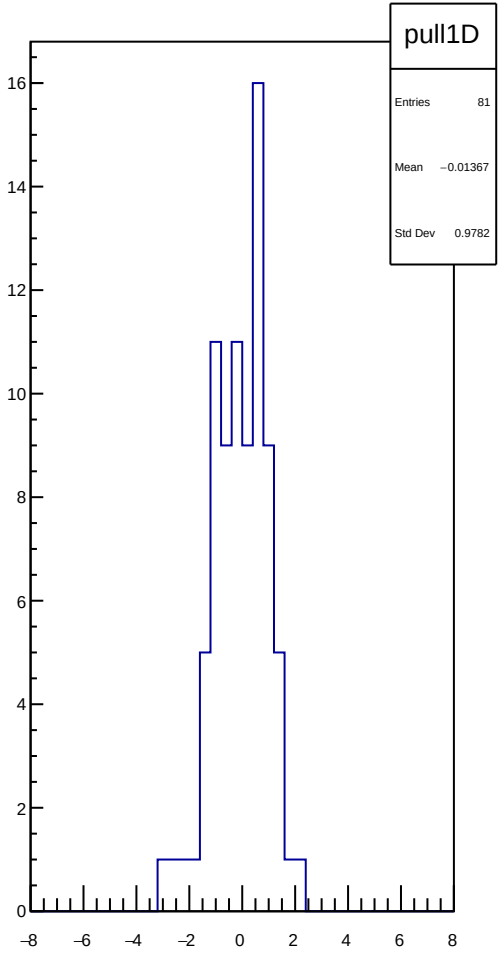

asym_sam6_correction_mean vs run
χ² / ndf 84.42 / 80
p0 1971 ± 1311
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −177.6
Std Dev 207.8
3
2
1
0
−1
−2

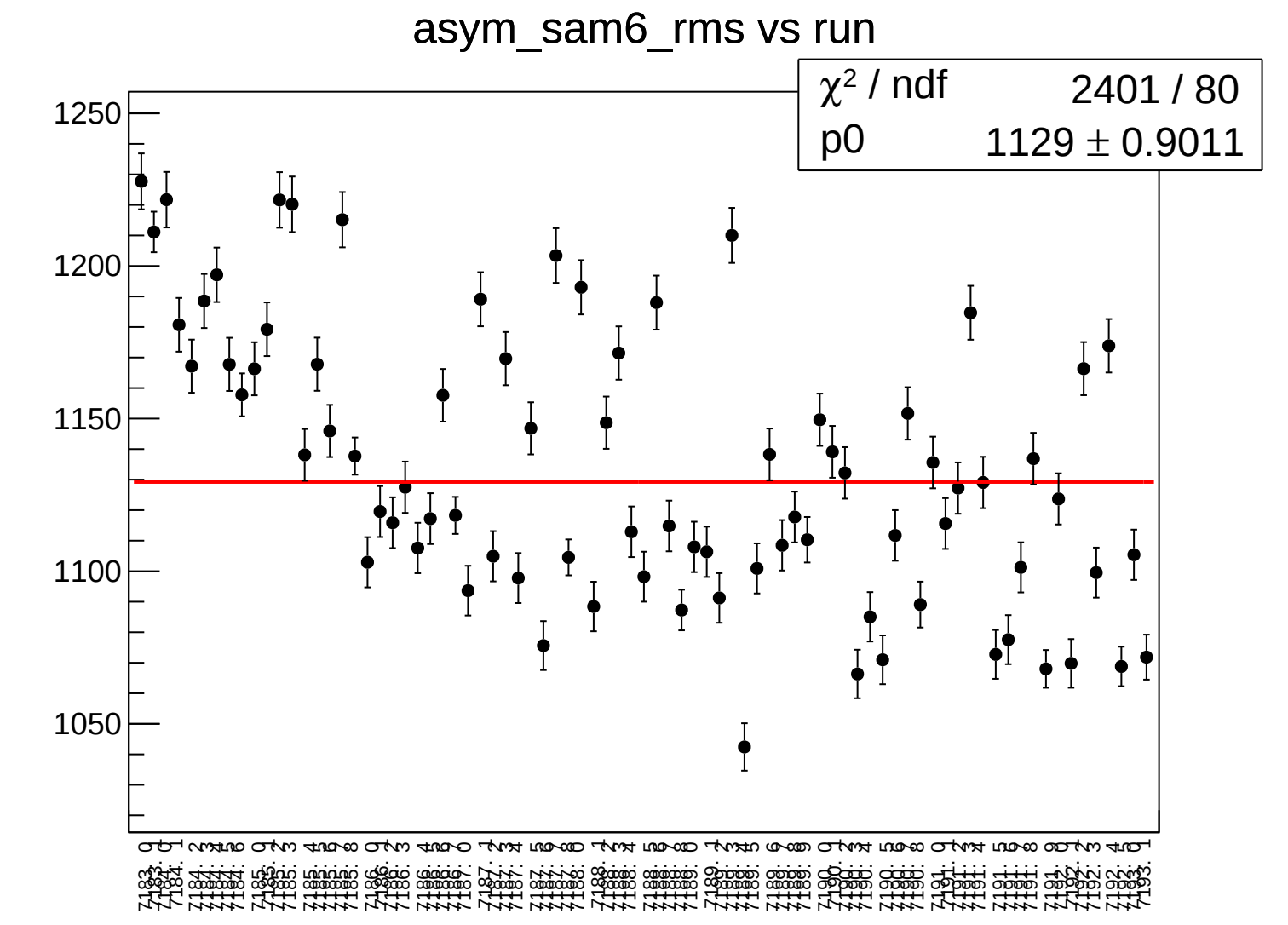

pull1D
Entries 81
Mean 0.01394
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

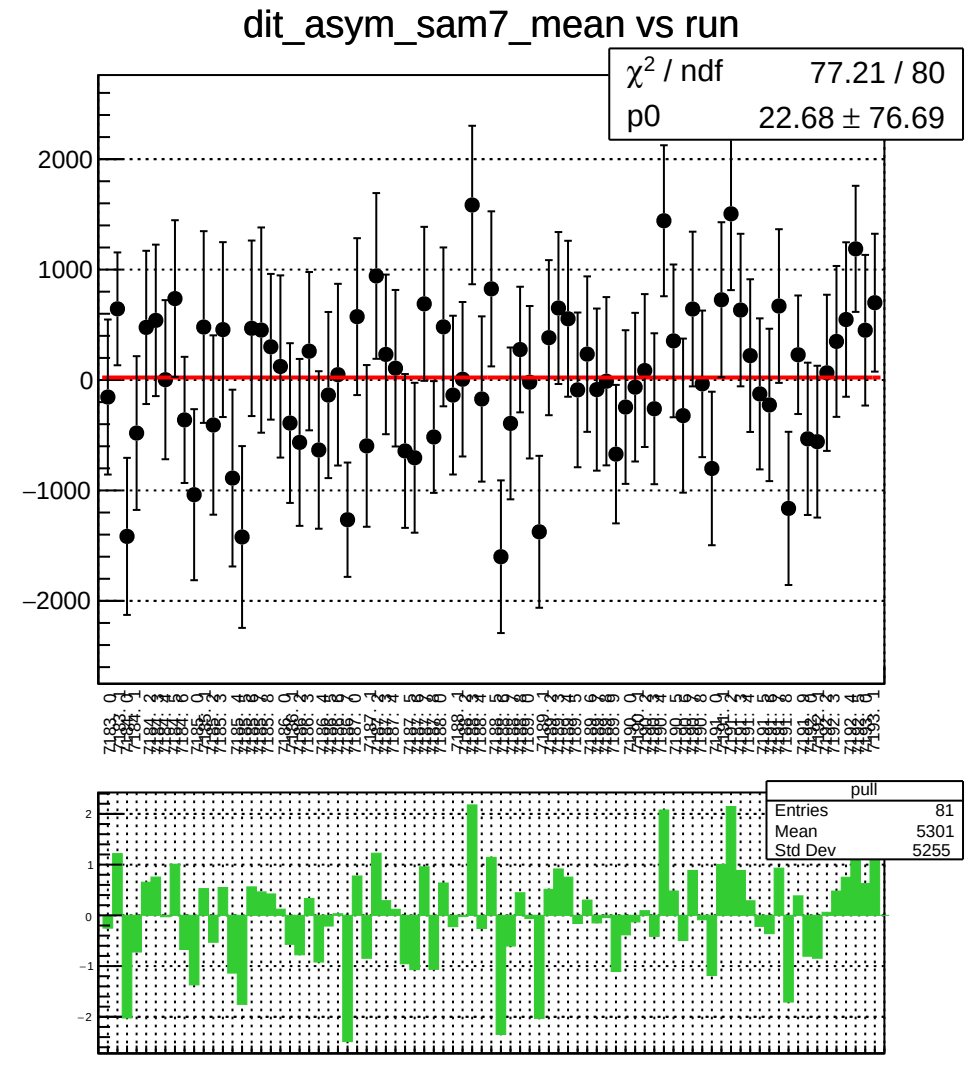
# asym_sam6_correction_rms vs run

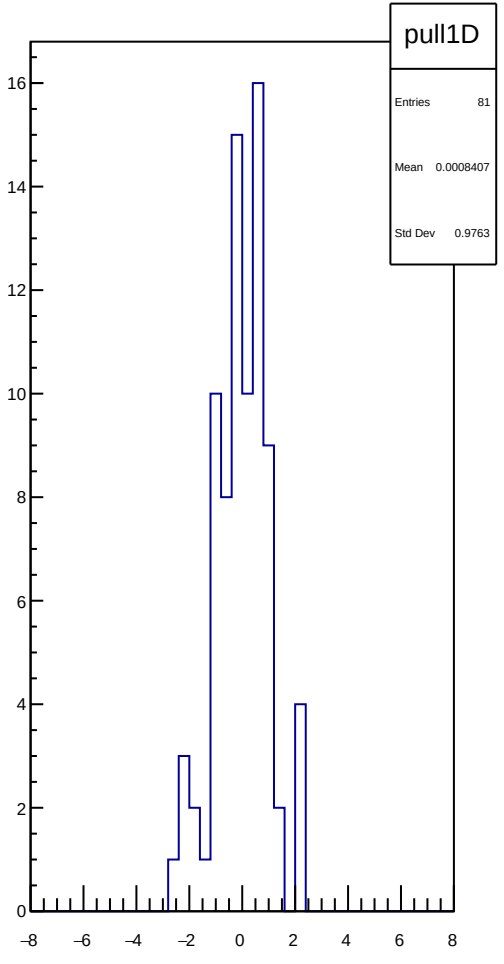


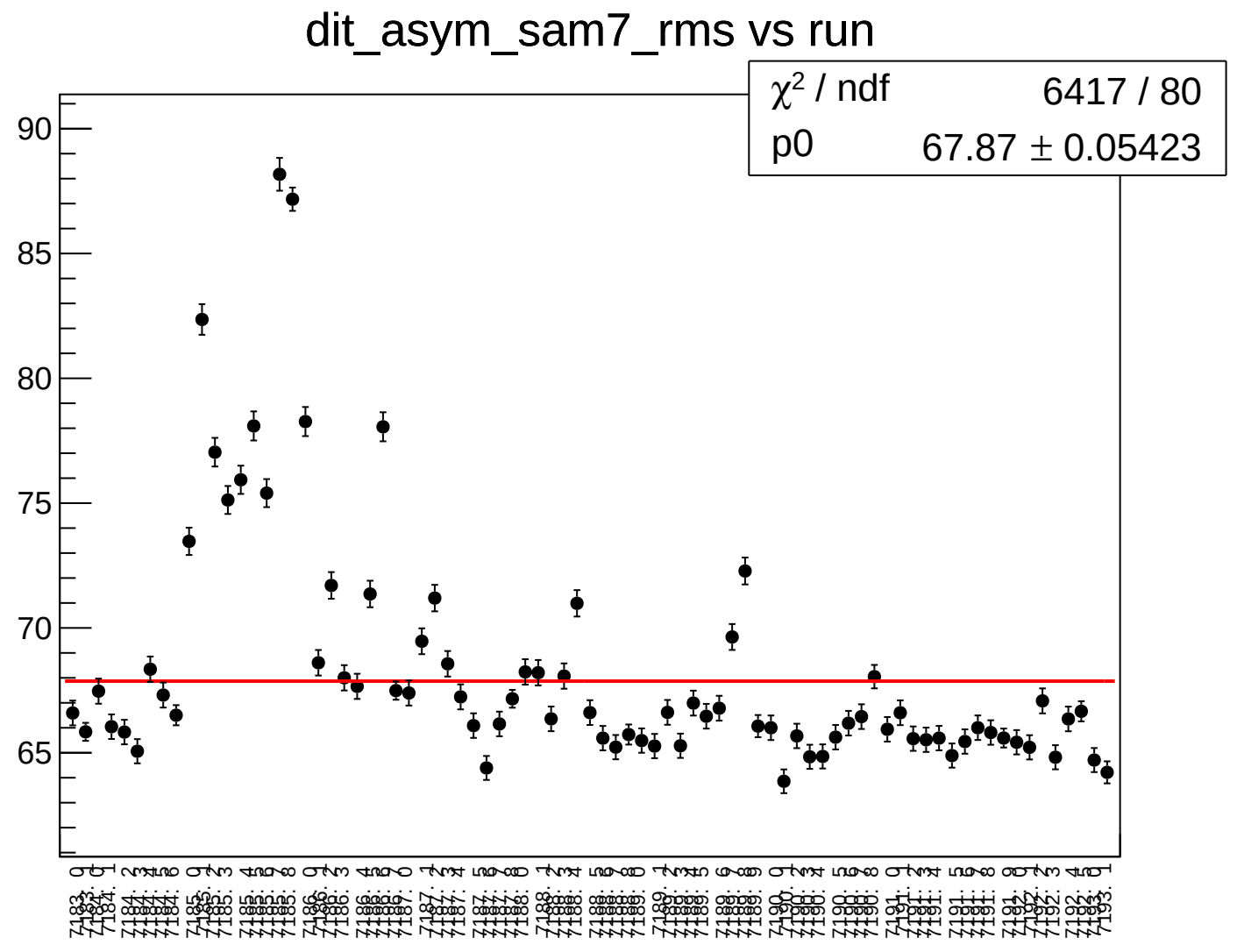

asym_sam6_mean vs run
χ² / ndf 77.52 / 80
p0 −2010 ± 1274
pull
Entries 81
Mean −203.9
Std Dev 236.7

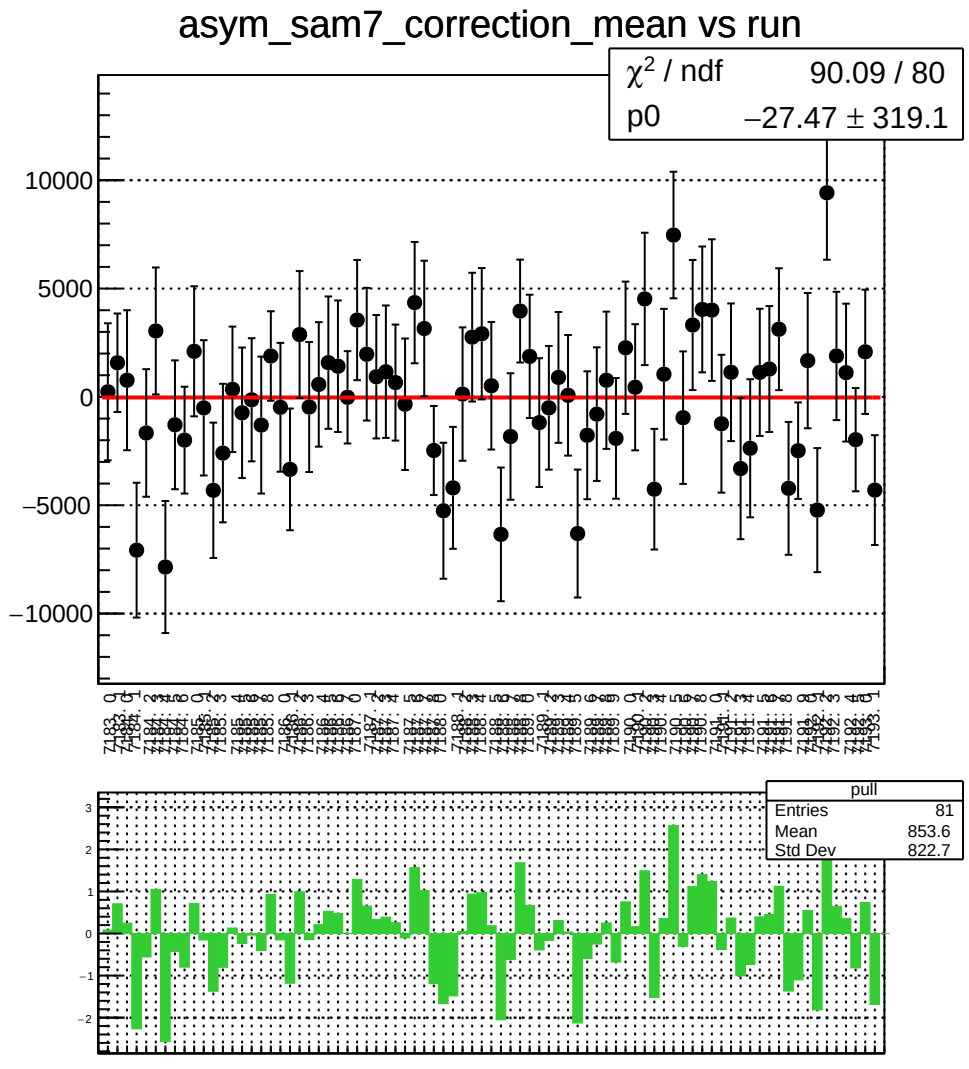

pull1D
Entries 81
Mean −0.01367
Std Dev 0.9782

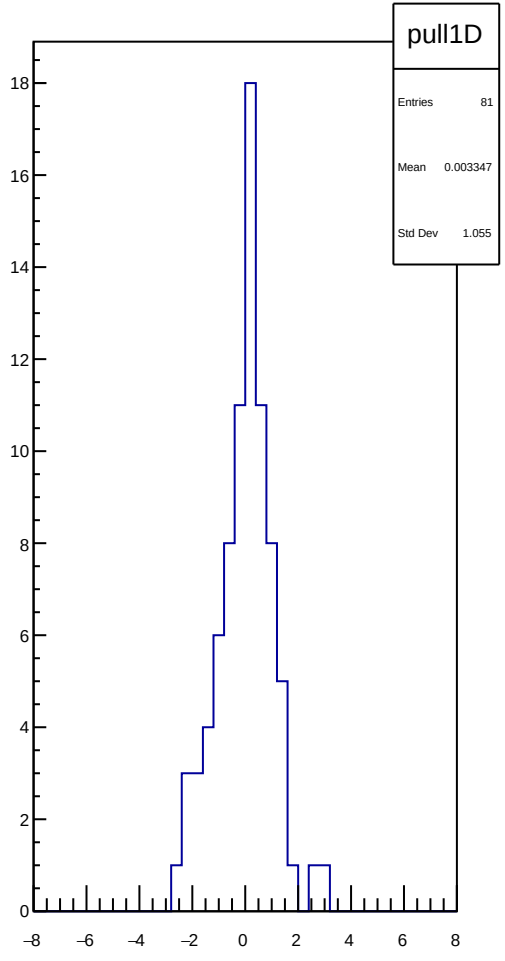

asym_sam6_rms vs run
χ² / ndf 2401 / 80
p0 1129 ± 0.9011
1250
1200
1150
1100
1050

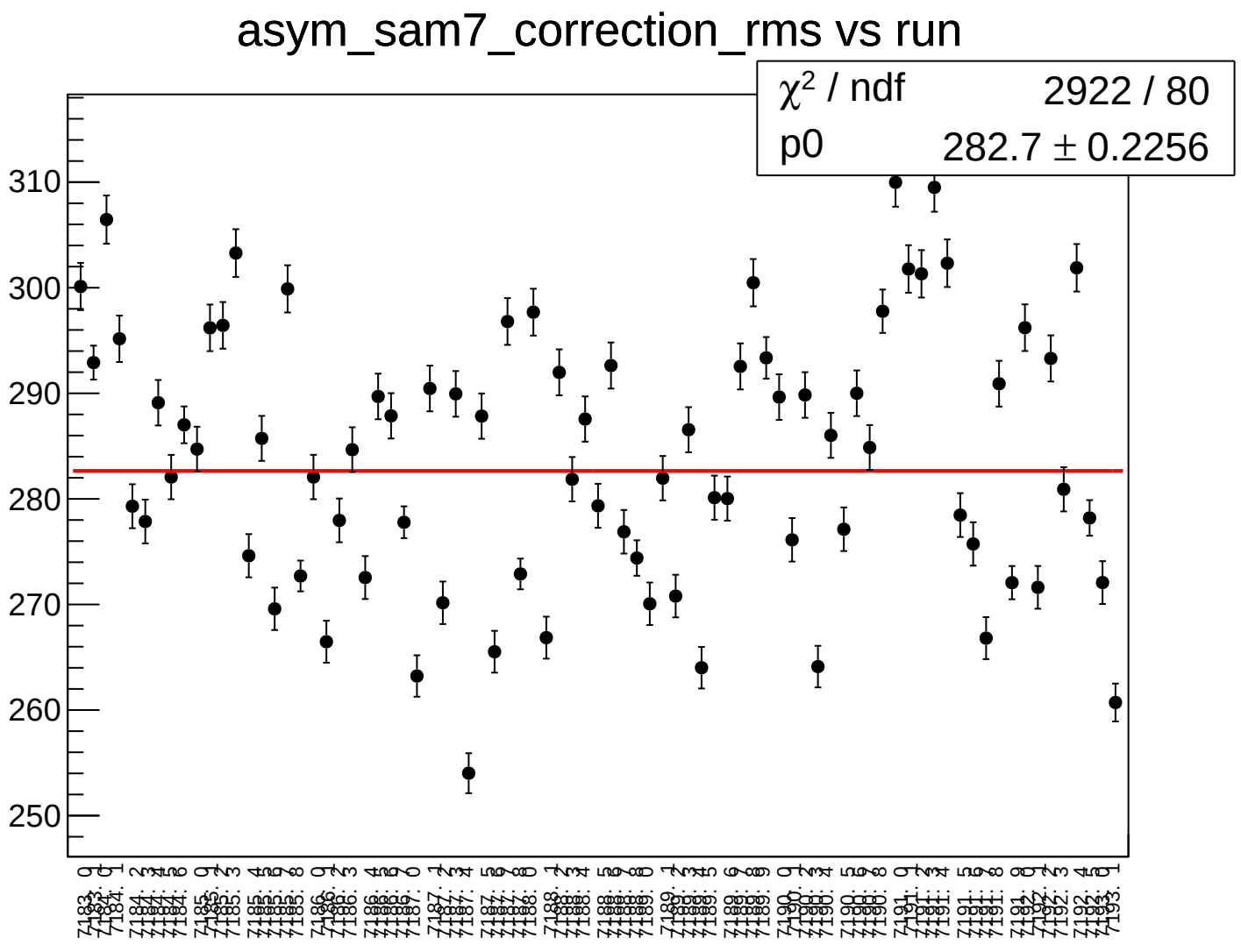

dit_asym_sam7_mean vs run
χ² / ndf 77.21 / 80
p0 22.68 ± 76.69
2000
1000
0
−1000
−2000
pull
Entries 81
Mean 5301
Std Dev 5255
2
1
0
−1
−2

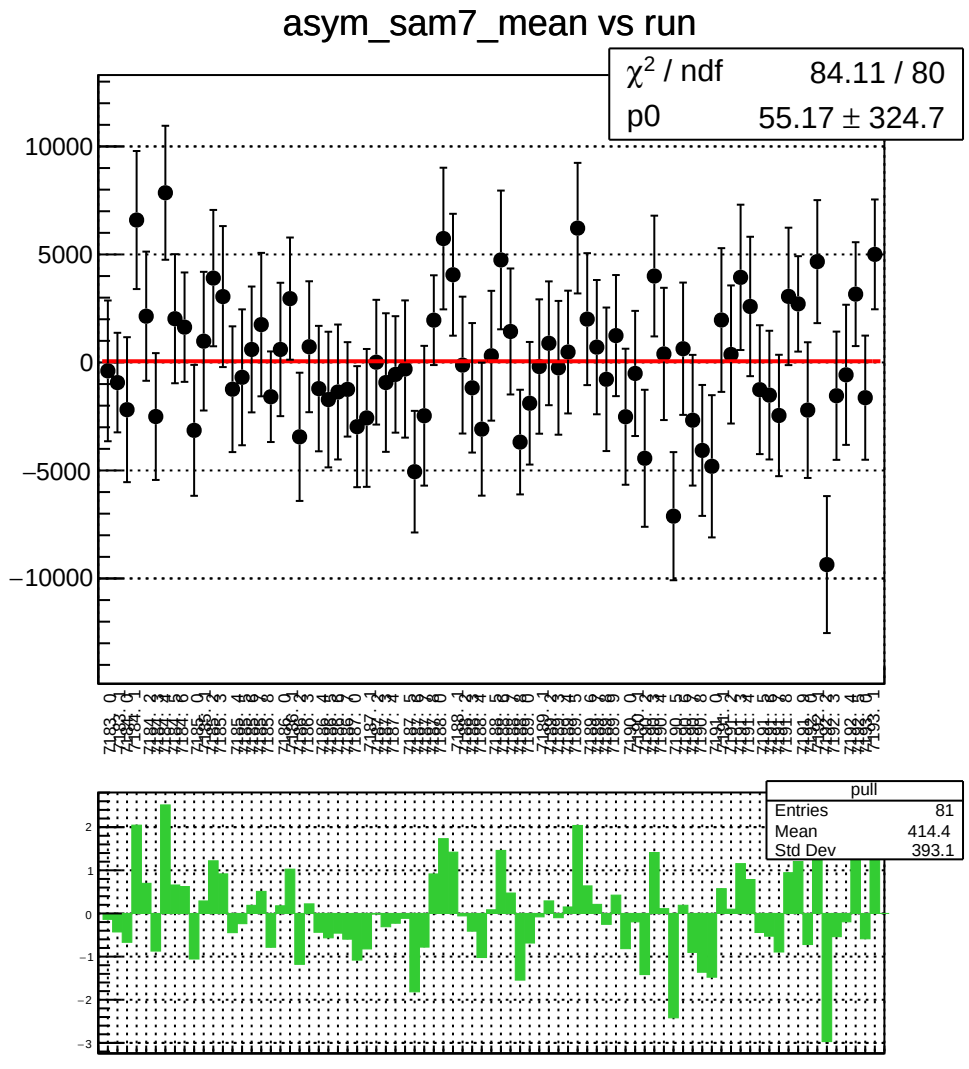

pull1D
Entries 81
Mean 0.0008407
Std Dev 0.9763
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

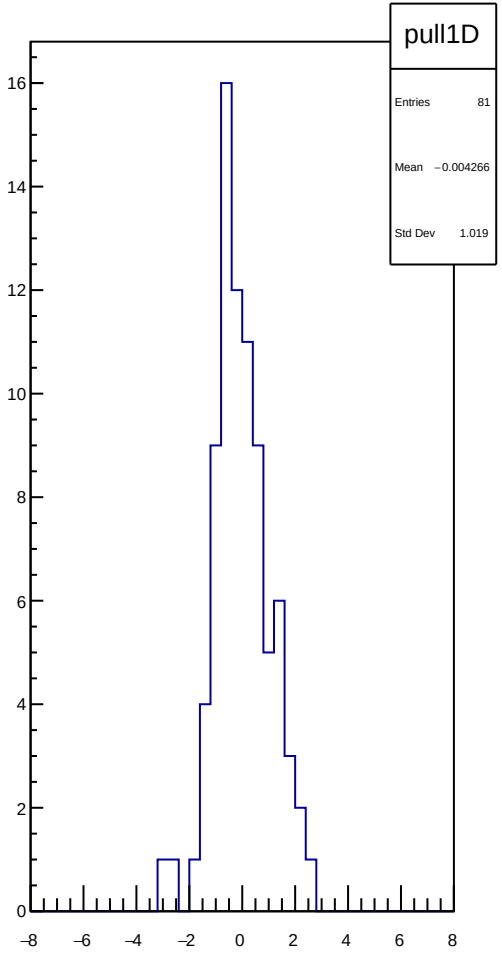

dit_asym_sam7_rms vs run
$\chi^2$ / ndf 6417 / 80
p0 67.87 ± 0.05423
90
85
80
75
70
65

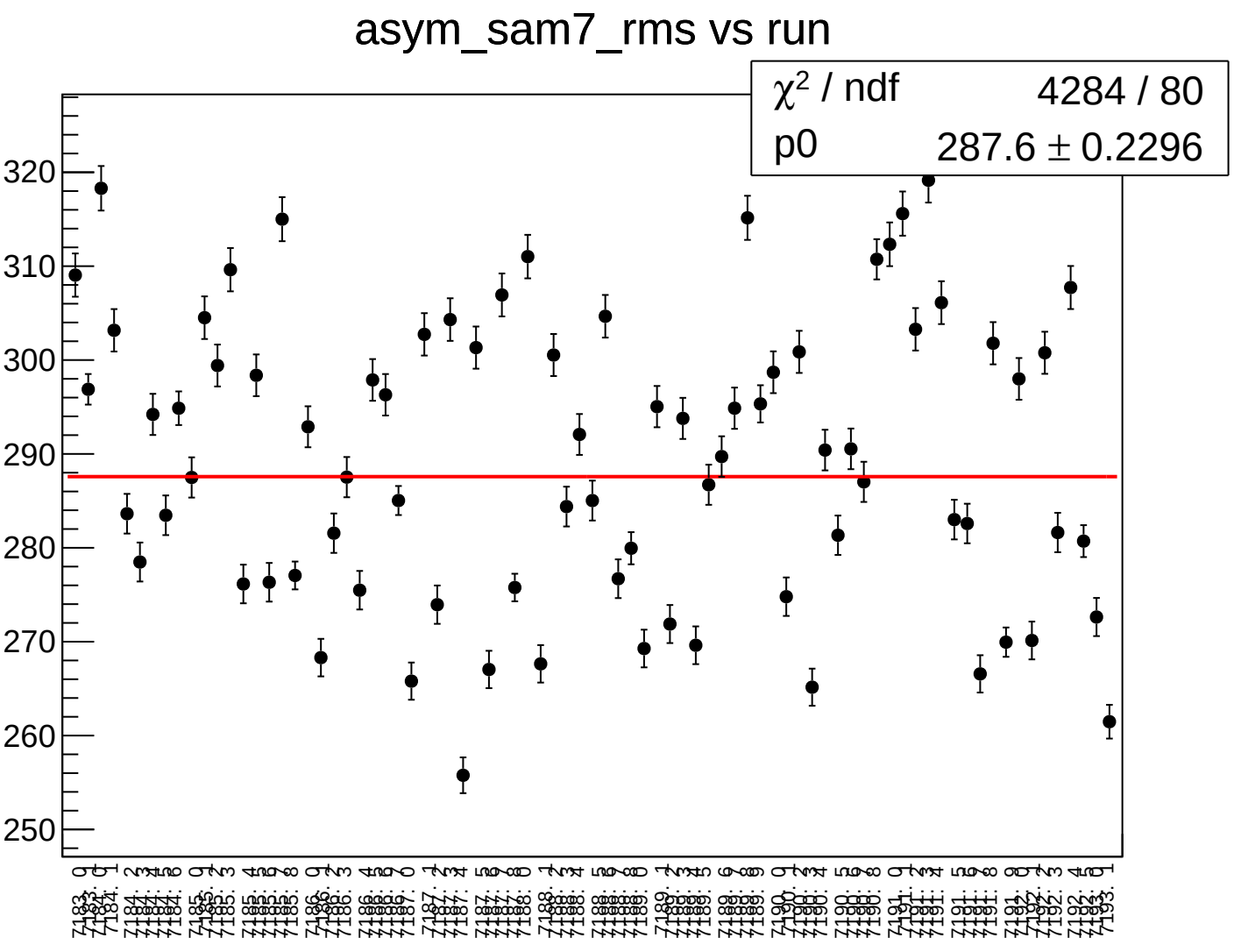

asym_sam7_correction_mean vs run
χ² / ndf 90.09 / 80
p0 −27.47 ± 319.1
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 853.6
Std Dev 822.7
3
2
1
0
−1
−2

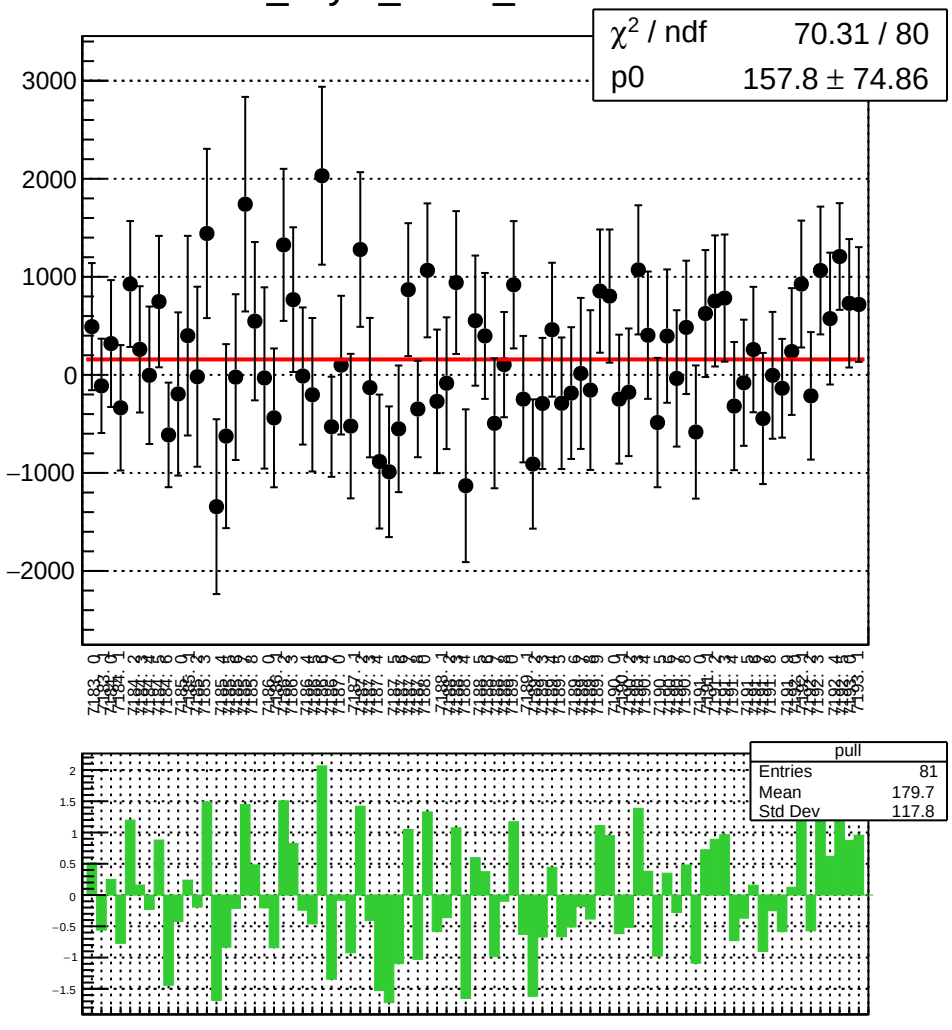

pull1D
Entries 81
Mean 0.003347
Std Dev 1.055
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

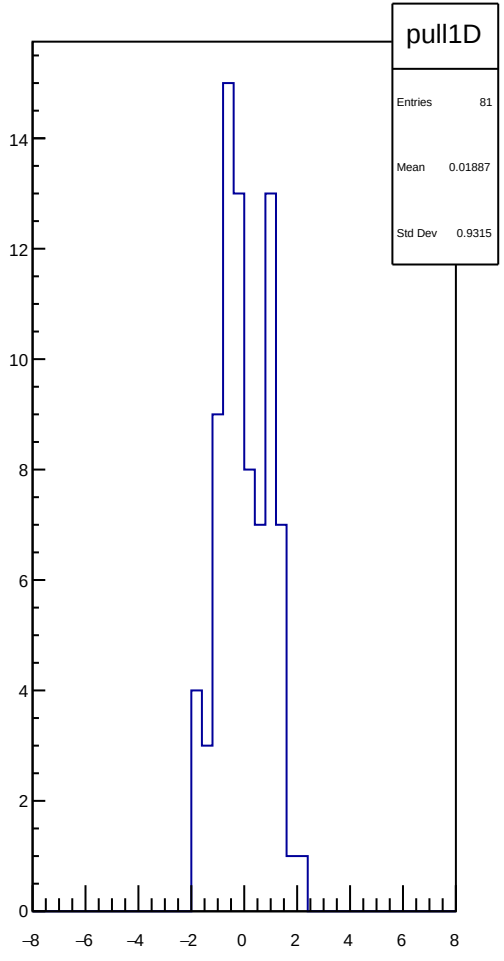

asym_sam7_correction_rms vs run
χ² / ndf 2922 / 80
p0 282.7 ± 0.2256
310
300
290
280
270
260
250

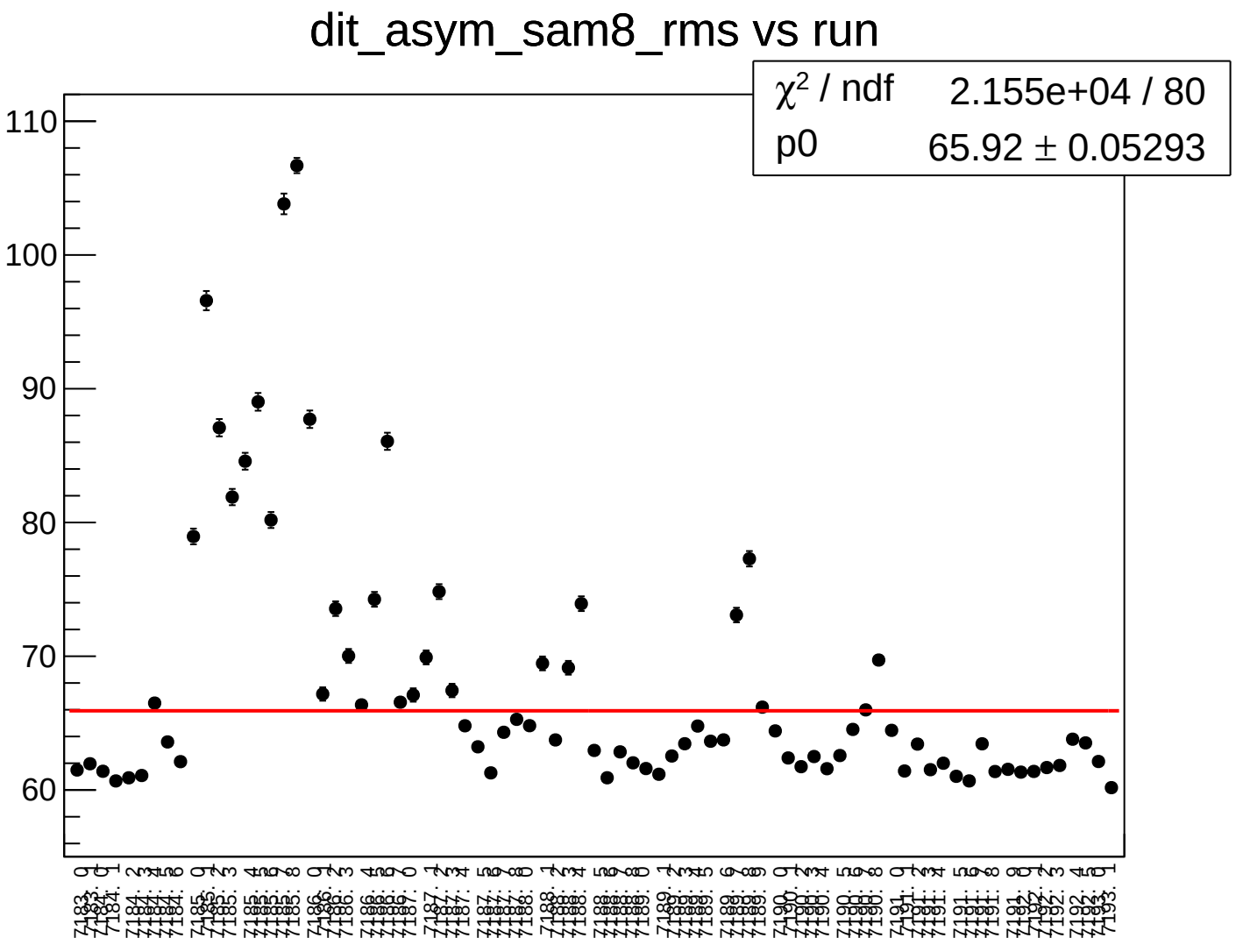

asym_sam7_mean vs run
$\chi^2$ / ndf 84.11 / 80
p0 55.17 ± 324.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 414.4
Std Dev 393.1
2
1
0
−1
−2
−3

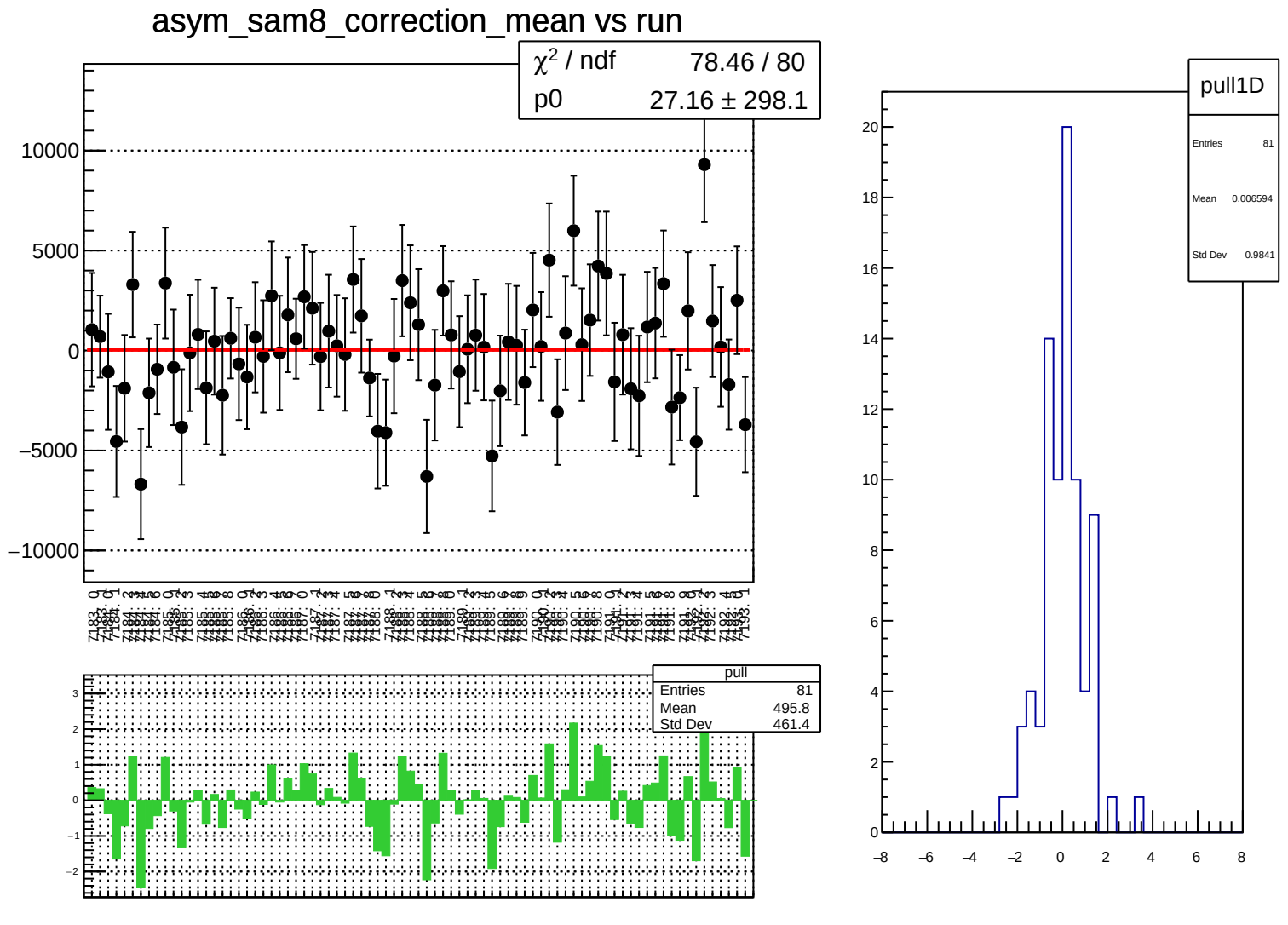

pull1D
Entries 81
Mean −0.004266
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_rms vs run
χ² / ndf 4284 / 80
p0 287.6 ± 0.2296
320
310
300
290
280
270
260
250

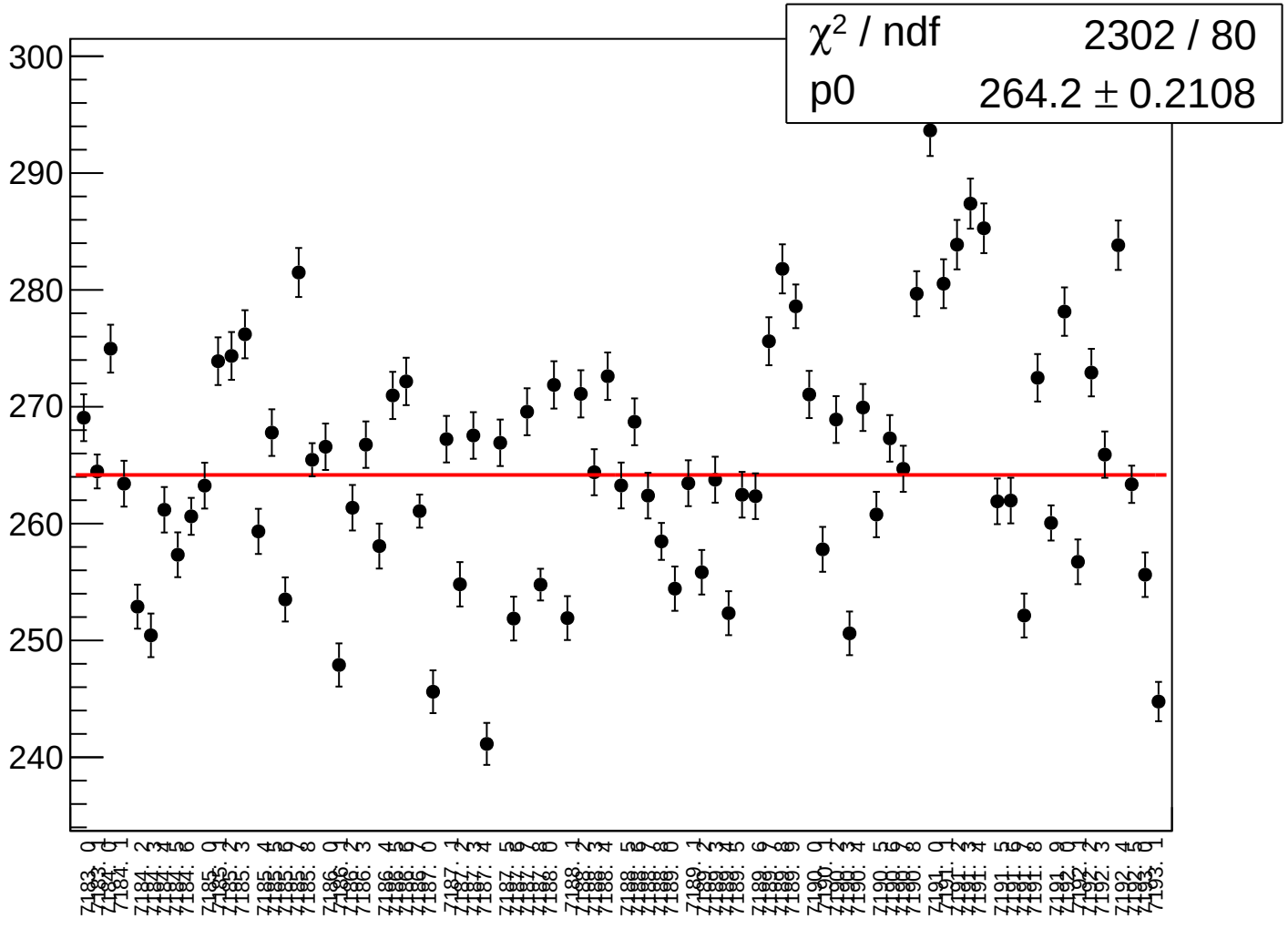

dit_asym_sam8_mean vs run
$\chi^2$ / ndf 70.31 / 80
p0 157.8 ± 74.86
3000
2000
1000
0
−1000
−2000
pull
Entries 81
Mean 179.7
Std Dev 117.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

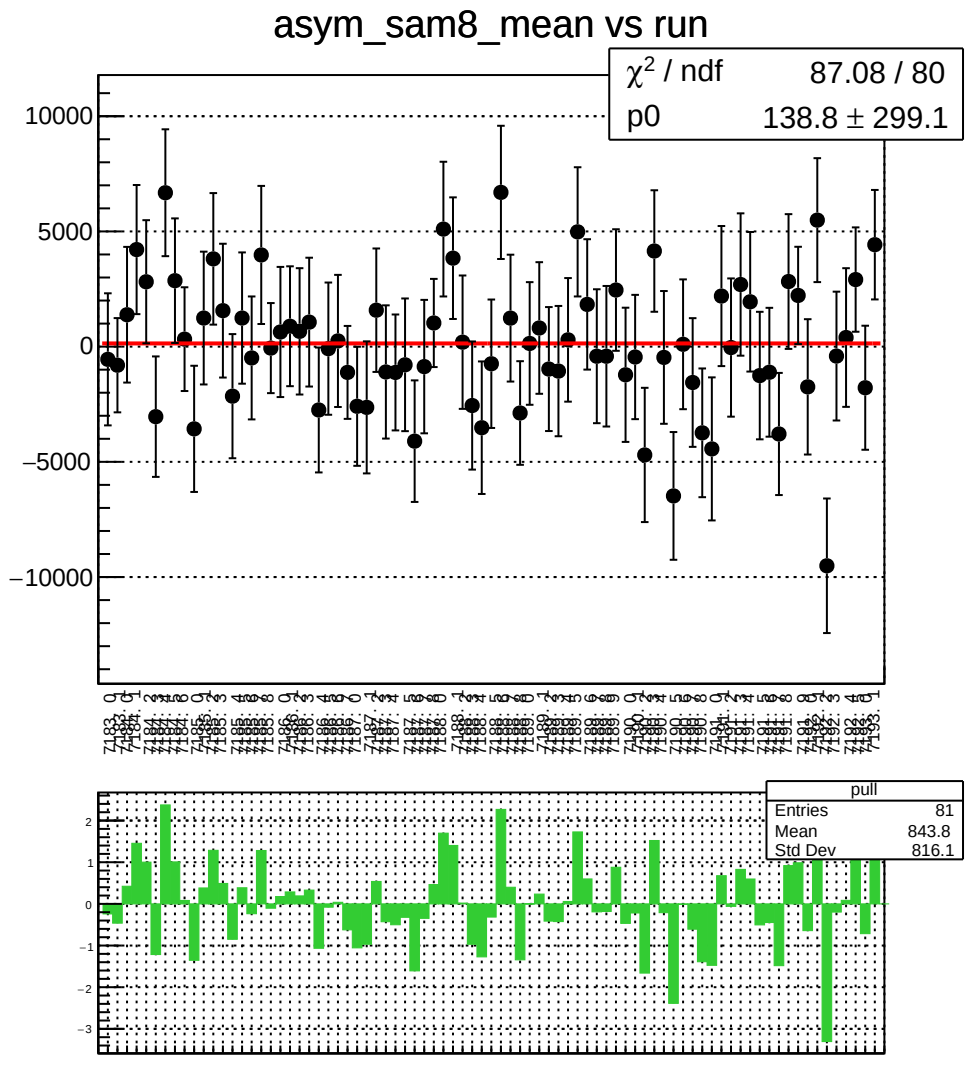

pull1D
Entries 81
Mean 0.01887
Std Dev 0.9315
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

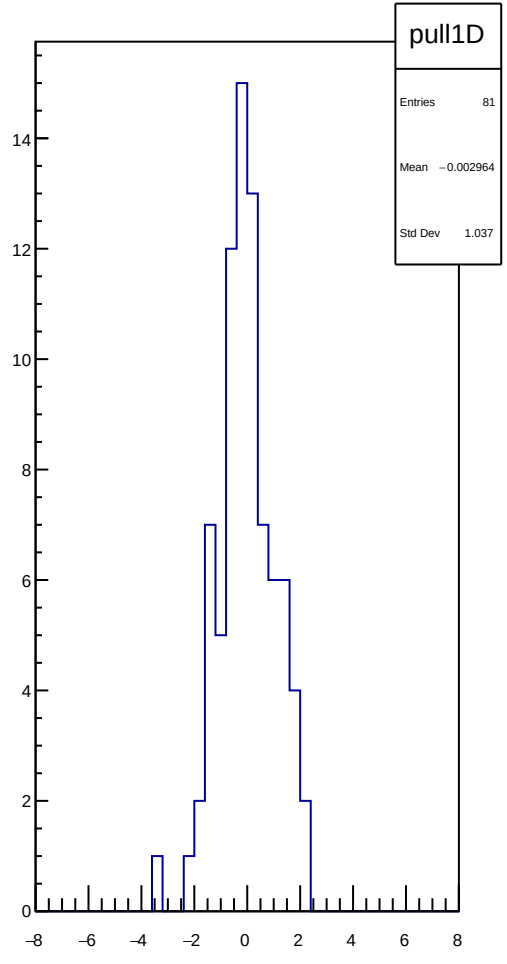

dit_asym_sam8_rms vs run
$\chi^2$ / ndf 2.155e+04 / 80
p0 65.92 ± 0.05293
110
100
90
80
70
60

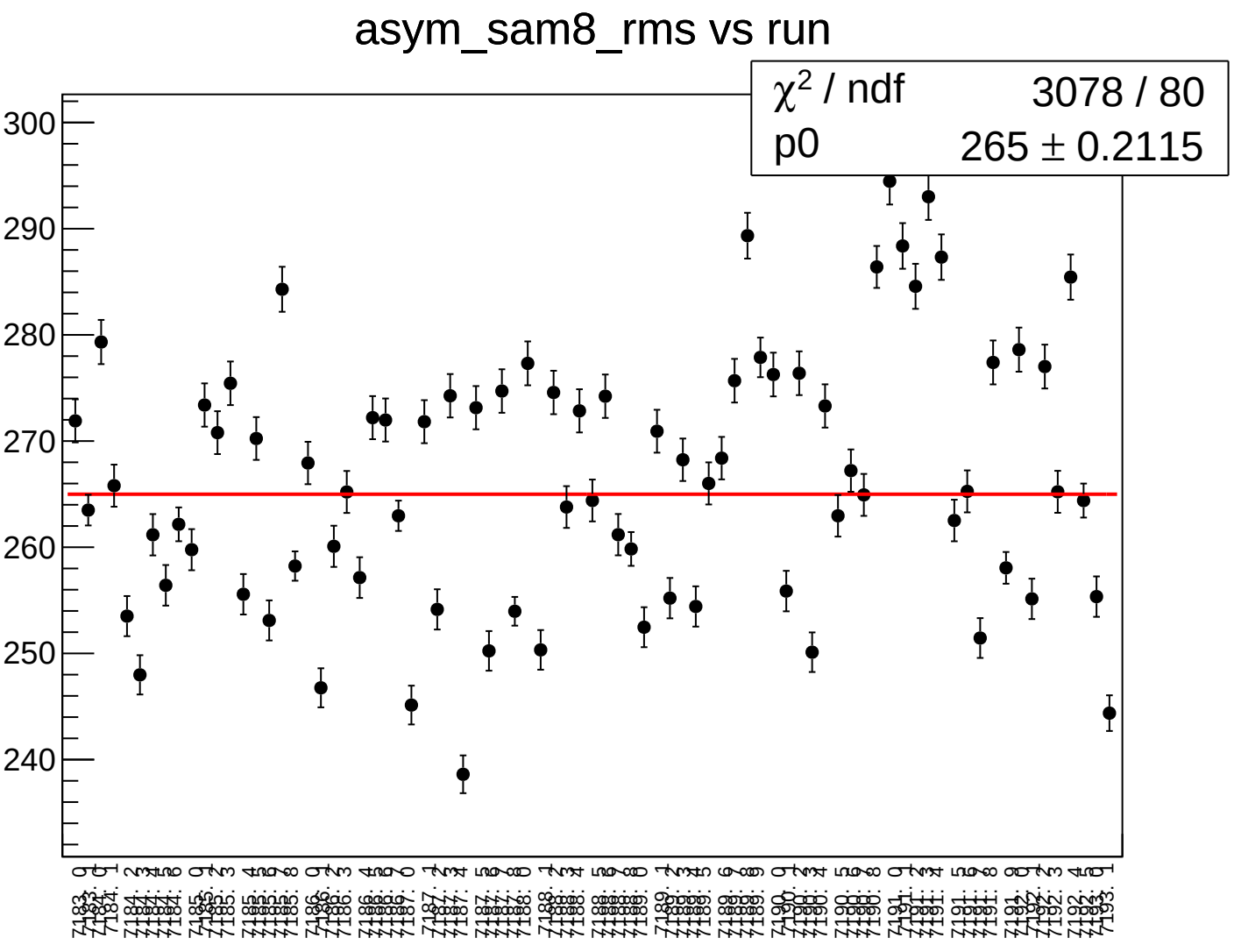

asym_sam8_correction_mean vs run
χ² / ndf 78.46 / 80
p0 27.16 ± 298.1
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 495.8
Std Dev 461.4
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.006594
Std Dev 0.9841
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

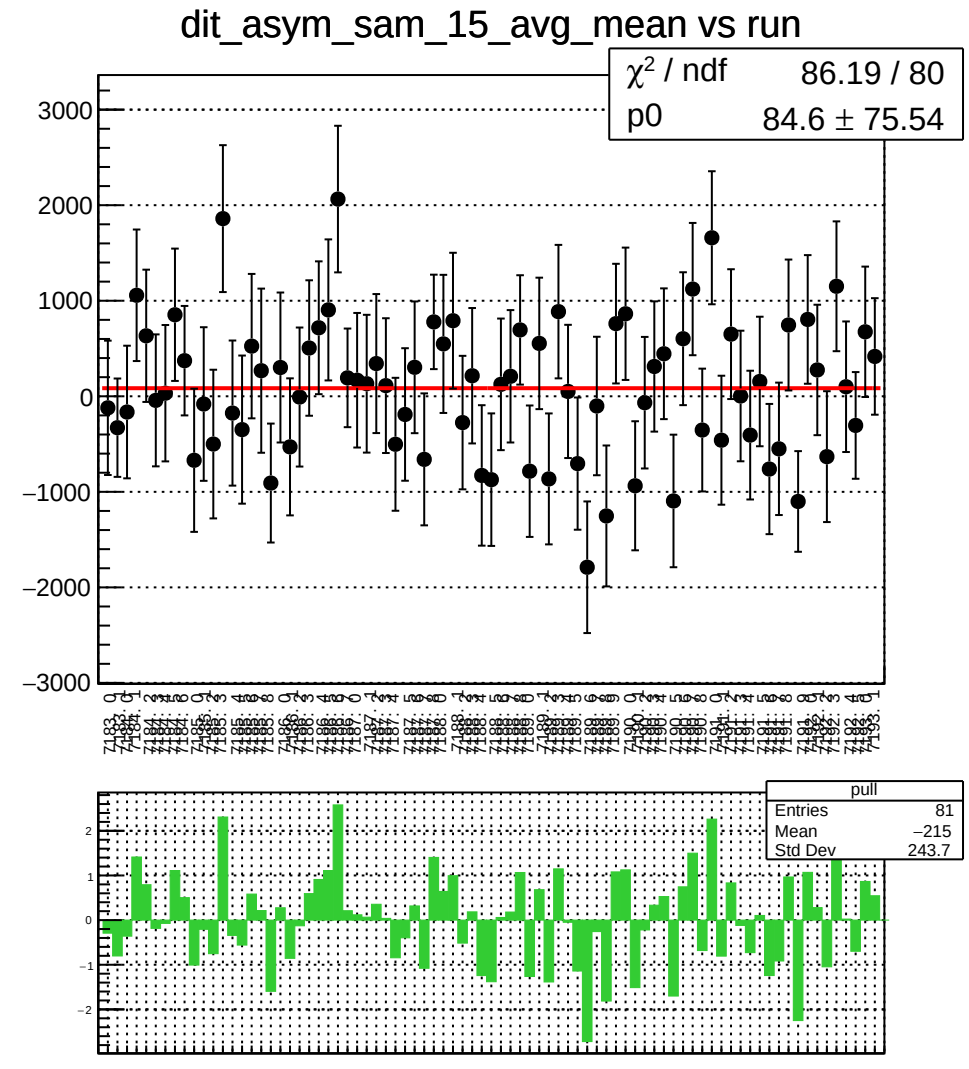
# asym_sam8_correction_rms vs run

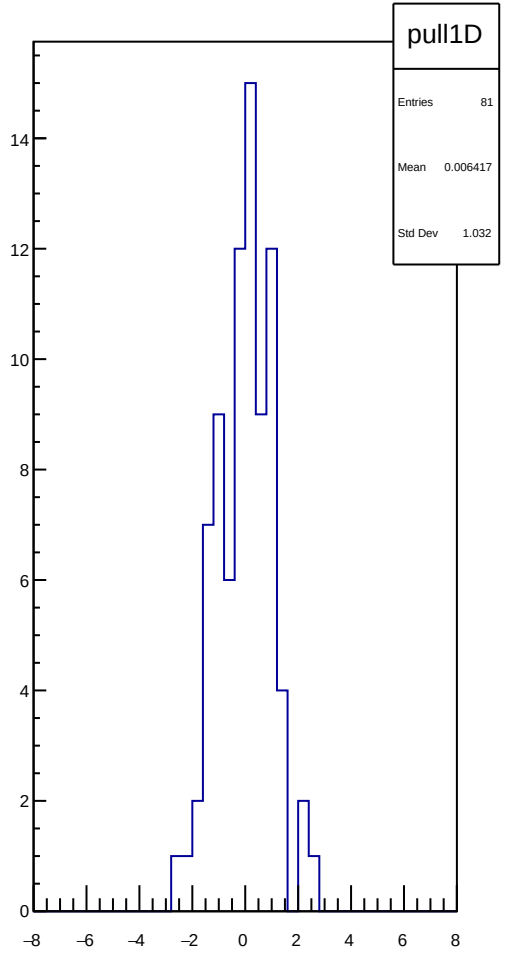


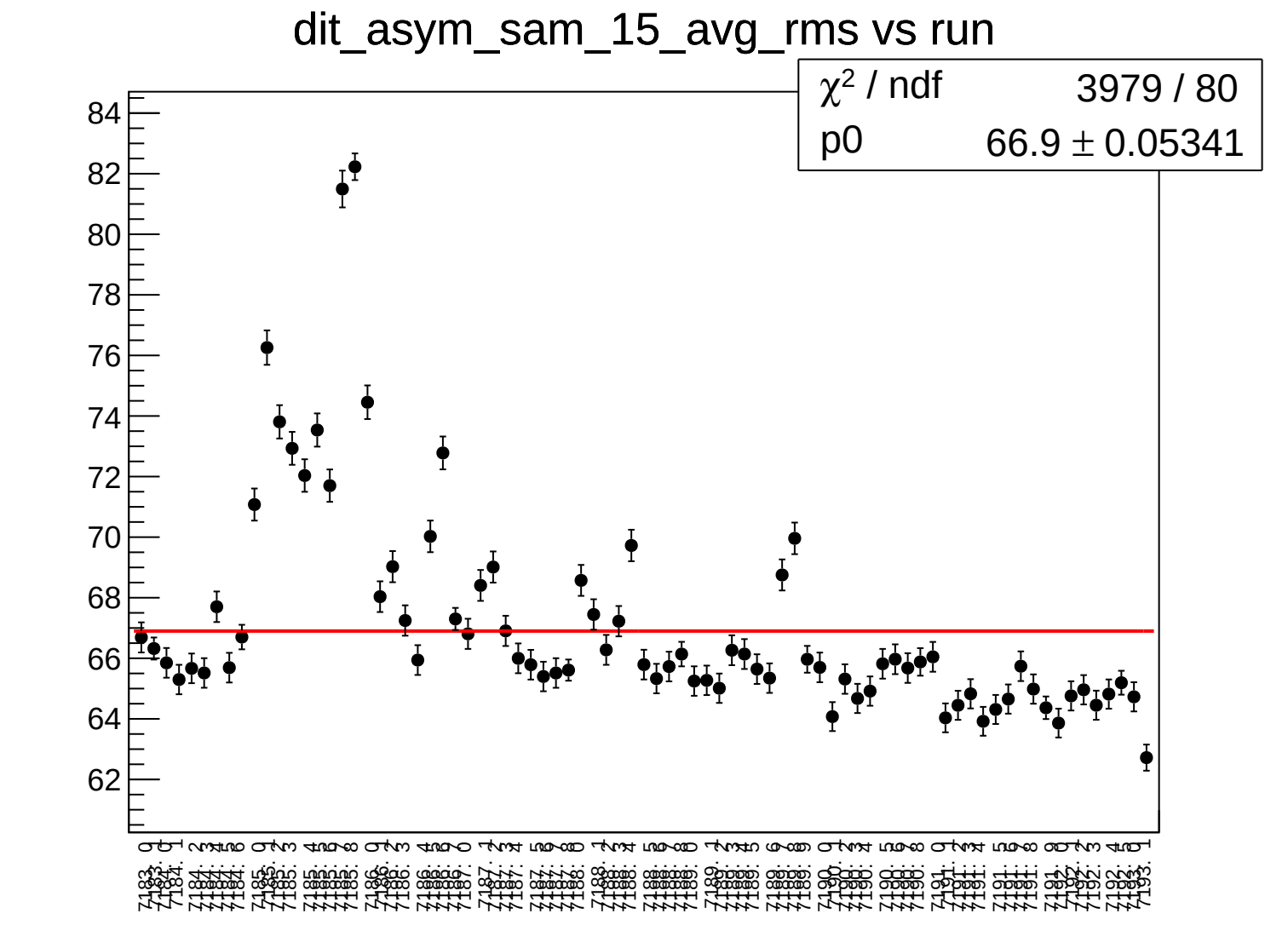

asym_sam8_mean vs run
χ² / ndf 87.08 / 80
p0 138.8 ± 299.1
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 843.8
Std Dev 816.1
2
1
0
−1
−2
−3

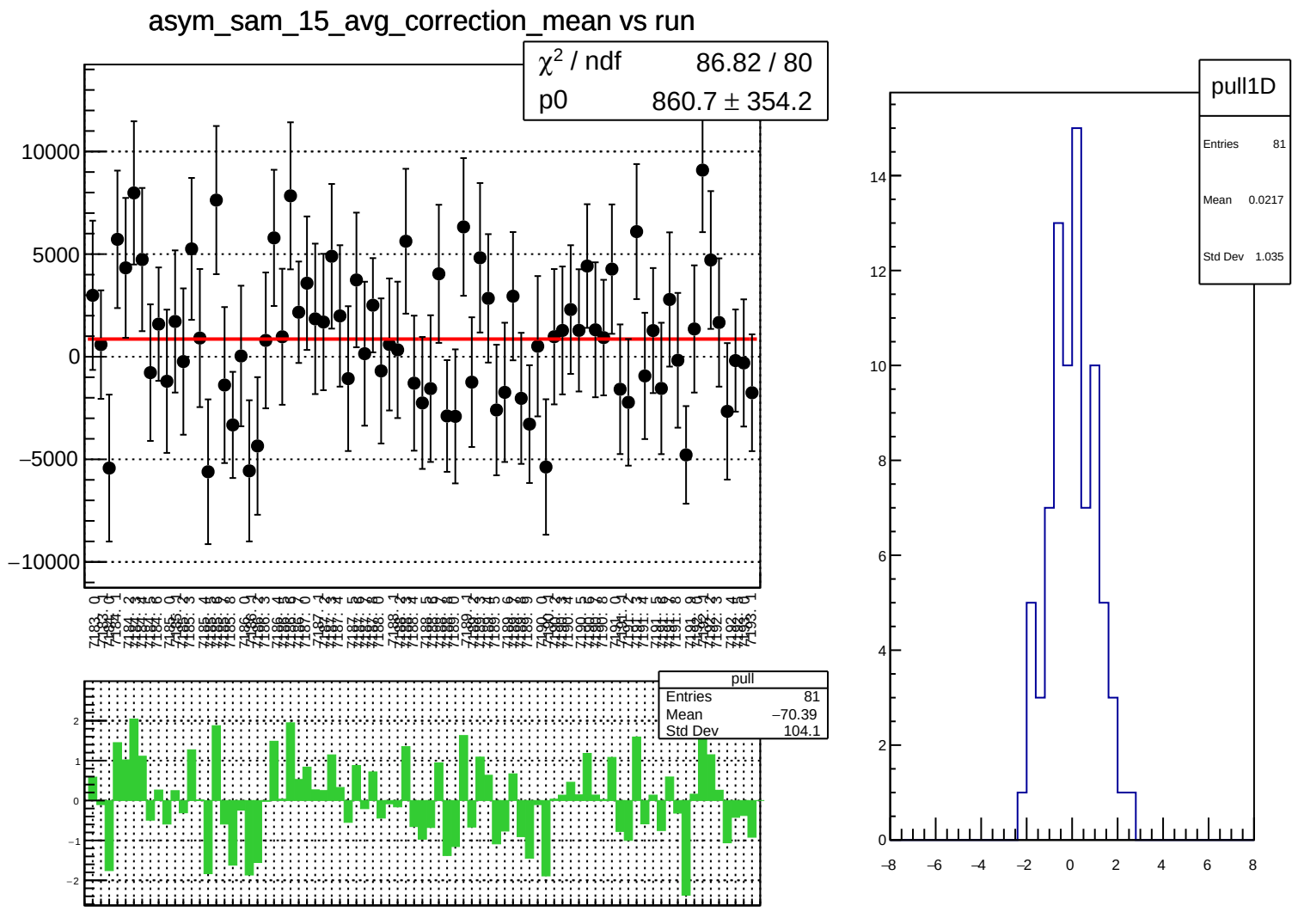

pull1D
Entries 81
Mean −0.002964
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

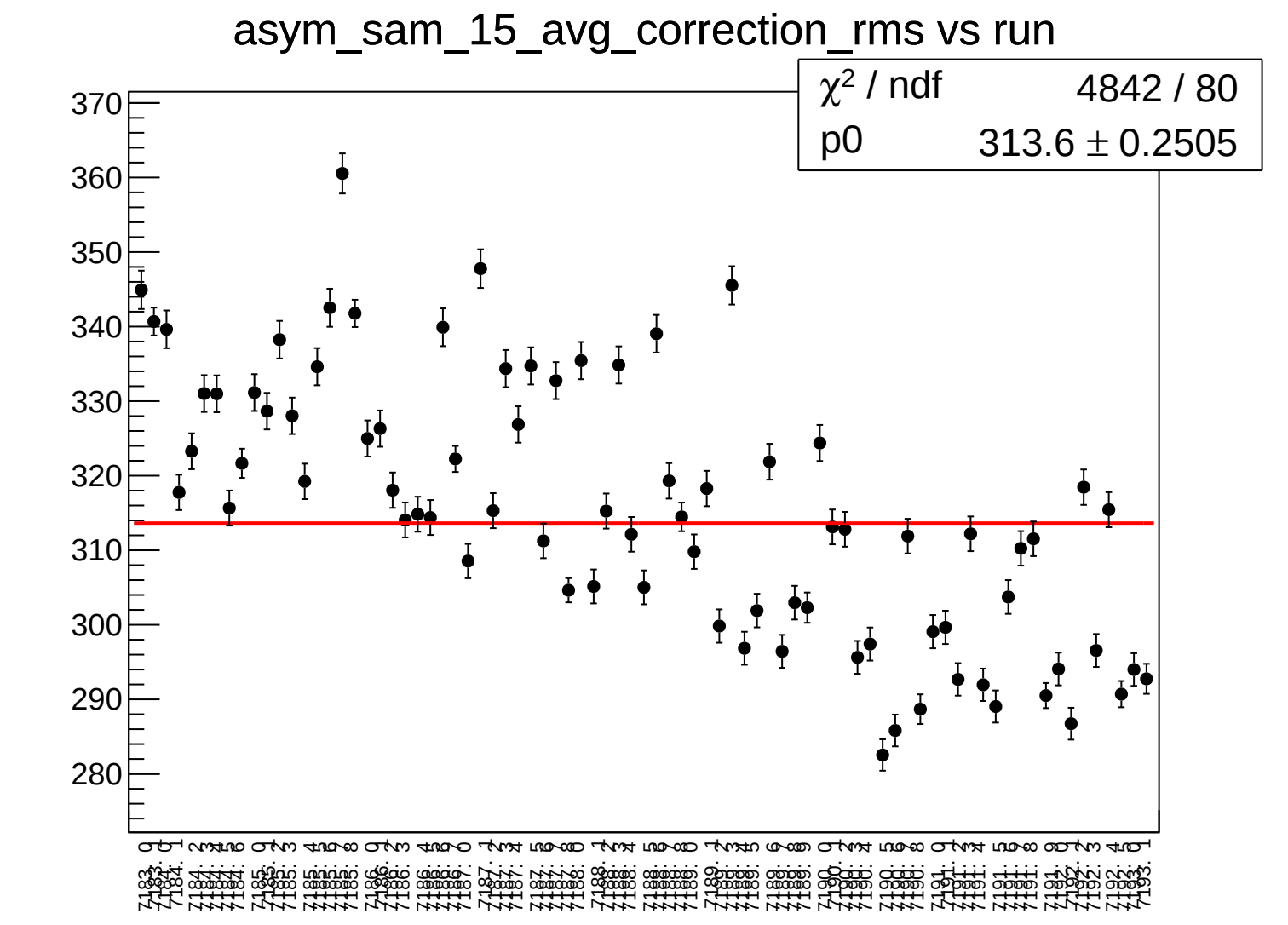

asym_sam8_rms vs run
$\chi^2$ / ndf 3078 / 80
p0 265 ± 0.2115
300
290
280
270
260
250
240

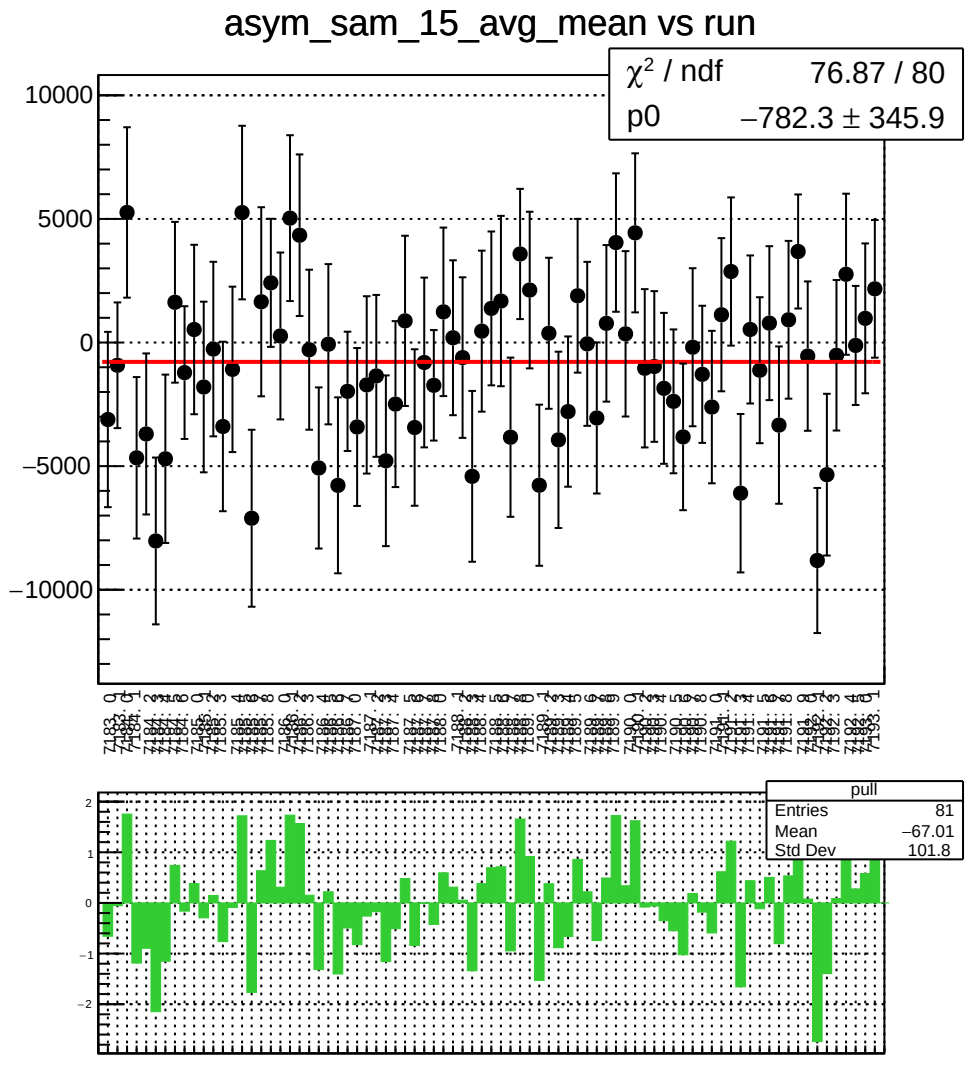

dit_asym_sam_15_avg_mean vs run
$\chi^2$ / ndf 86.19 / 80
p0 84.6 ± 75.54
pull
Entries 81
Mean −215
Std Dev 243.7

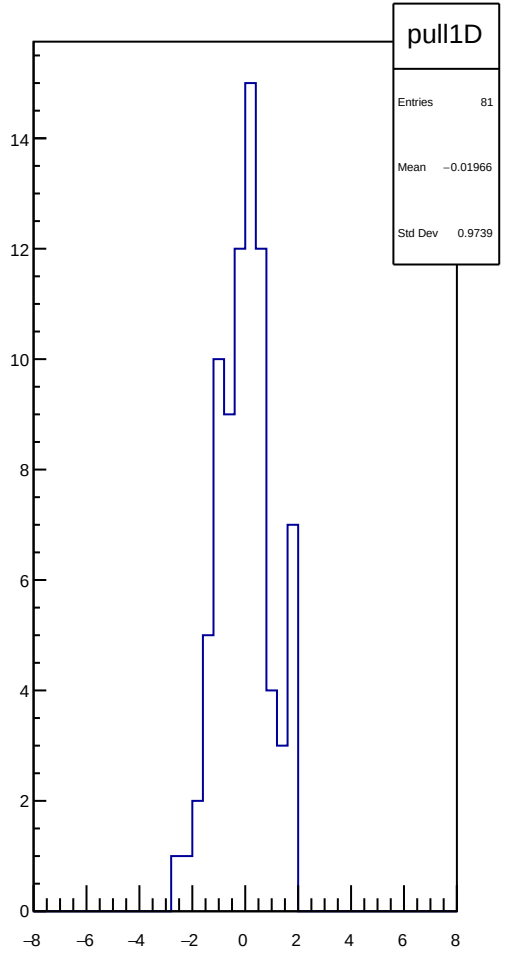

pull1D
Entries 81
Mean 0.006417
Std Dev 1.032

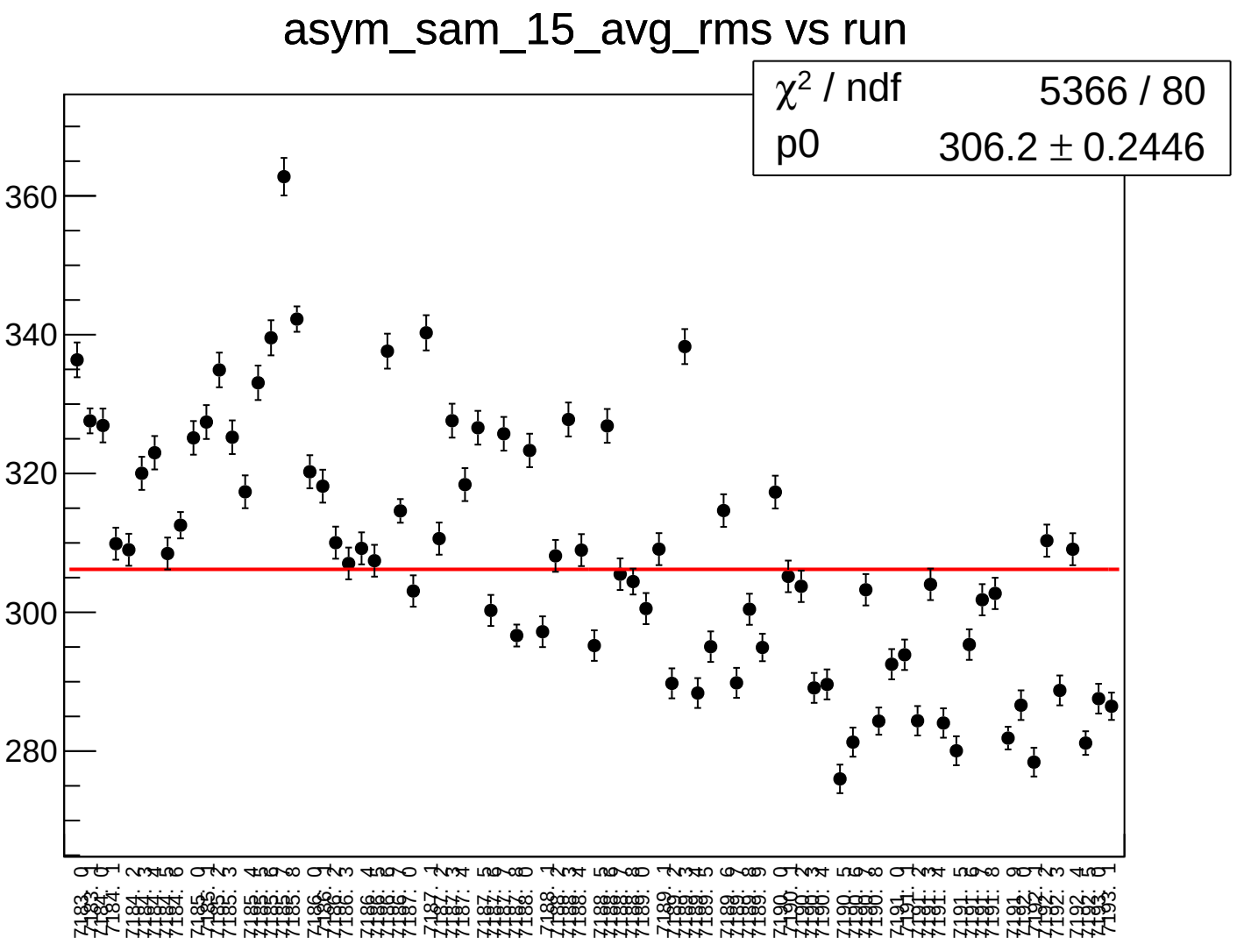

dit_asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 3979 / 80
p0 66.9 ± 0.05341
84
82
80
78
76
74
72
70
68
66
64
62

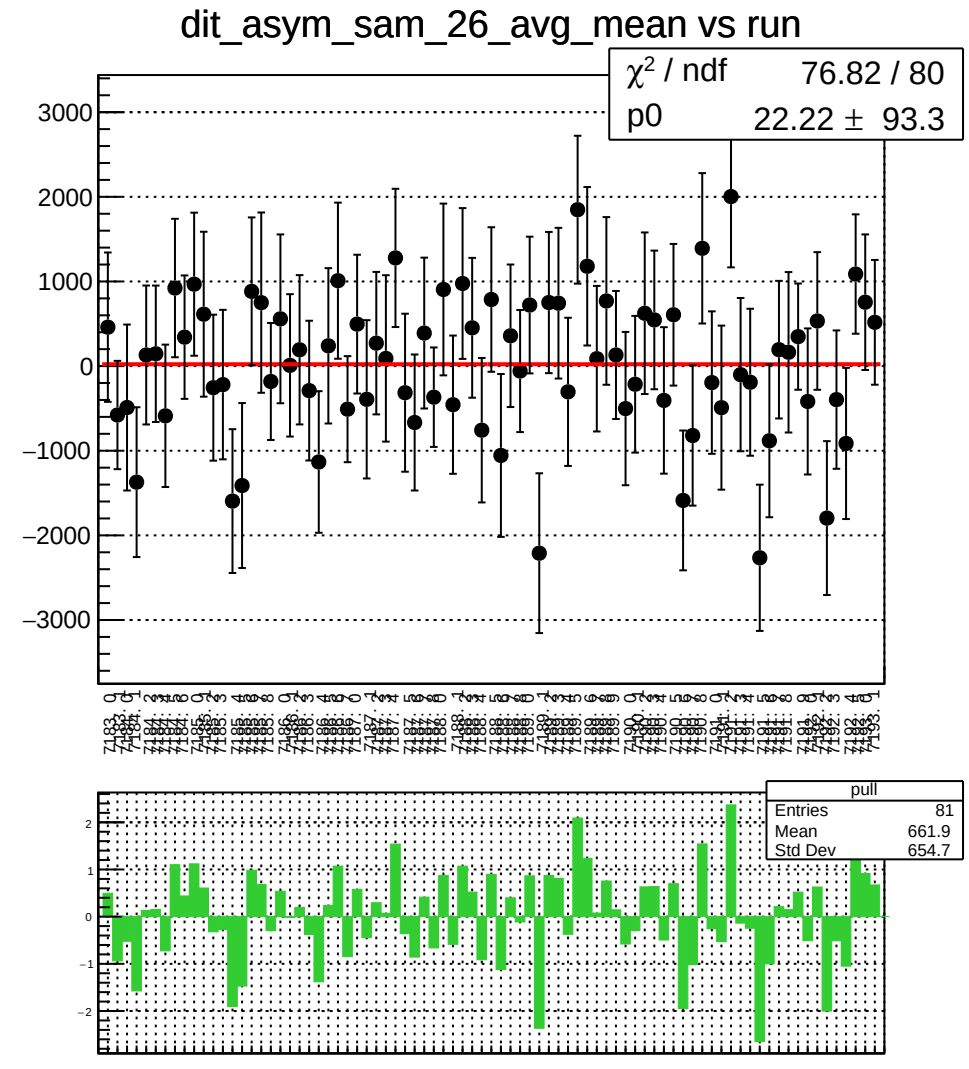

asym_sam_15_avg_correction_mean vs run
χ² / ndf 86.82 / 80
p0 860.7 ± 354.2
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −70.39
Std Dev 104.1
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.0217
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

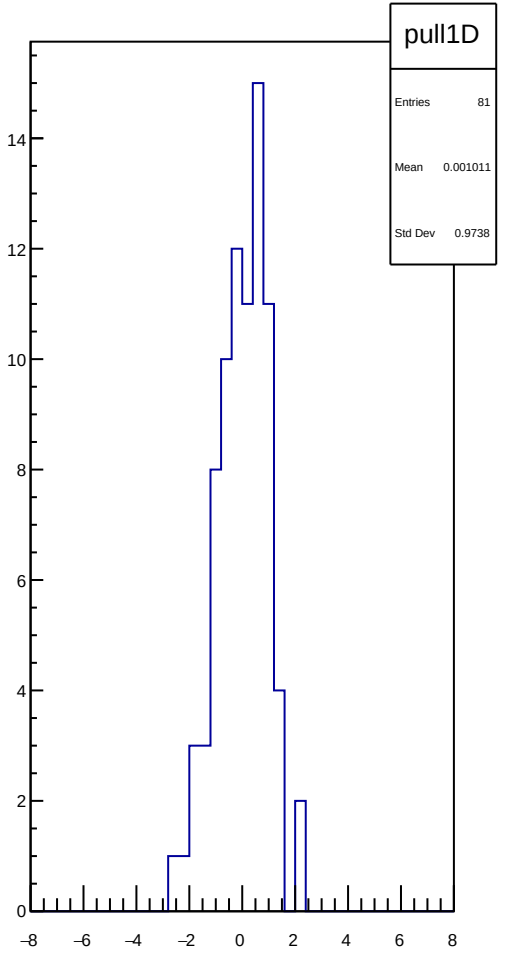

asym_sam_15_avg_correction_rms vs run
χ² / ndf 4842 / 80
p0 313.6 ± 0.2505
370
360
350
340
330
320
310
300
290
280

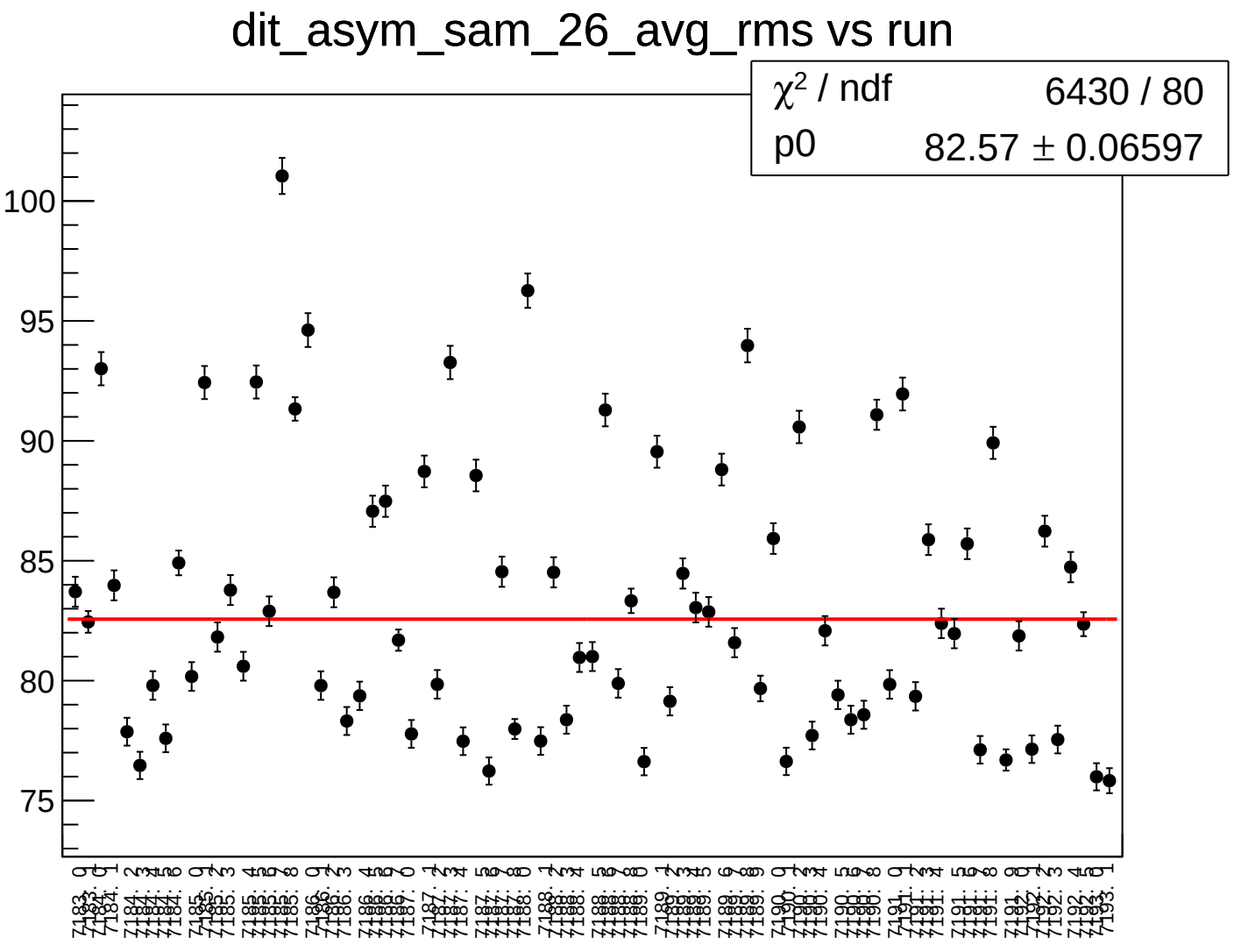

asym_sam_15_avg_mean vs run
χ² / ndf 76.87 / 80
p0 −782.3 ± 345.9
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −67.01
Std Dev 101.8
2
1
0
−1
−2

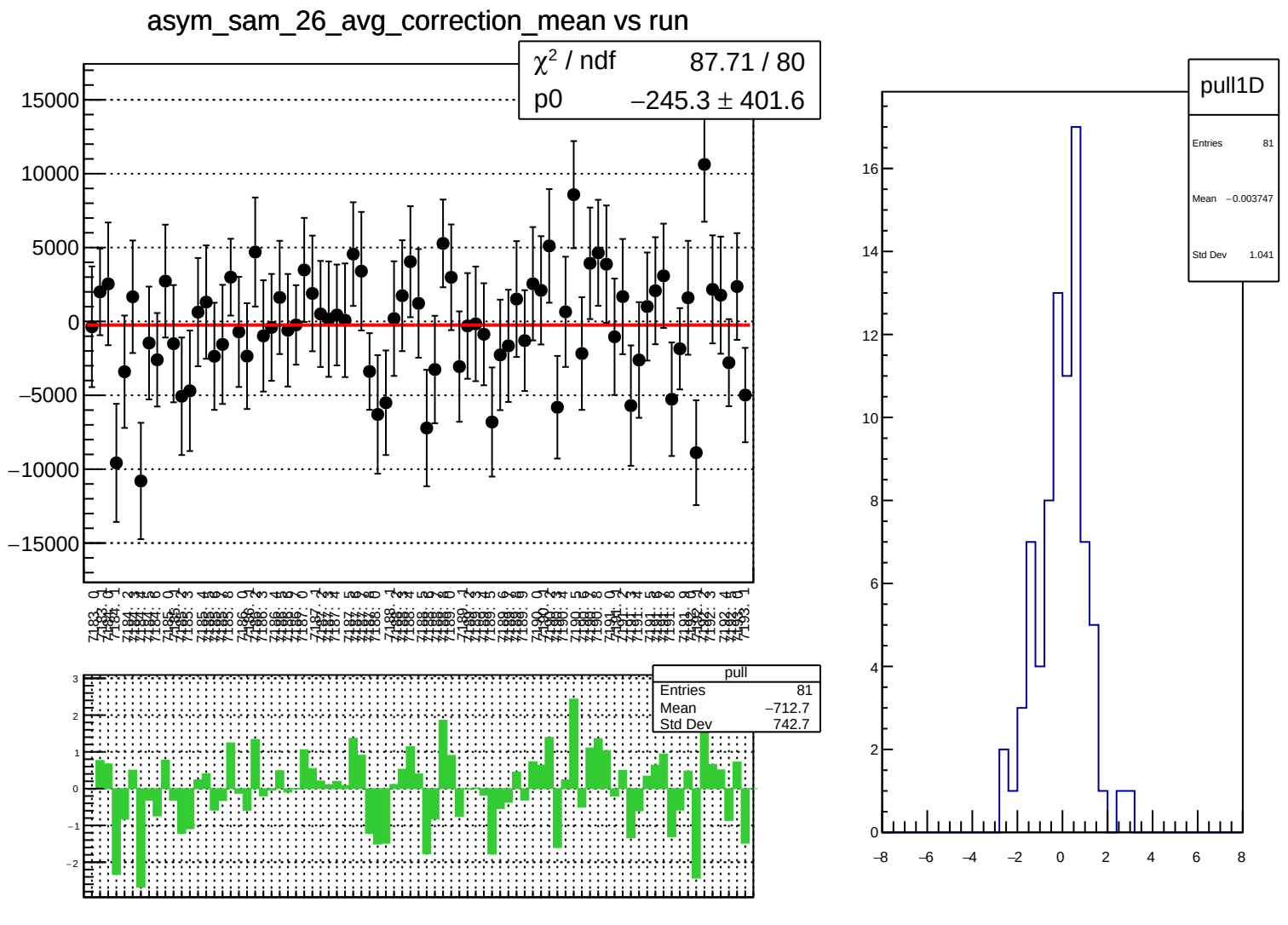

pull1D
Entries 81
Mean −0.01966
Std Dev 0.9739
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

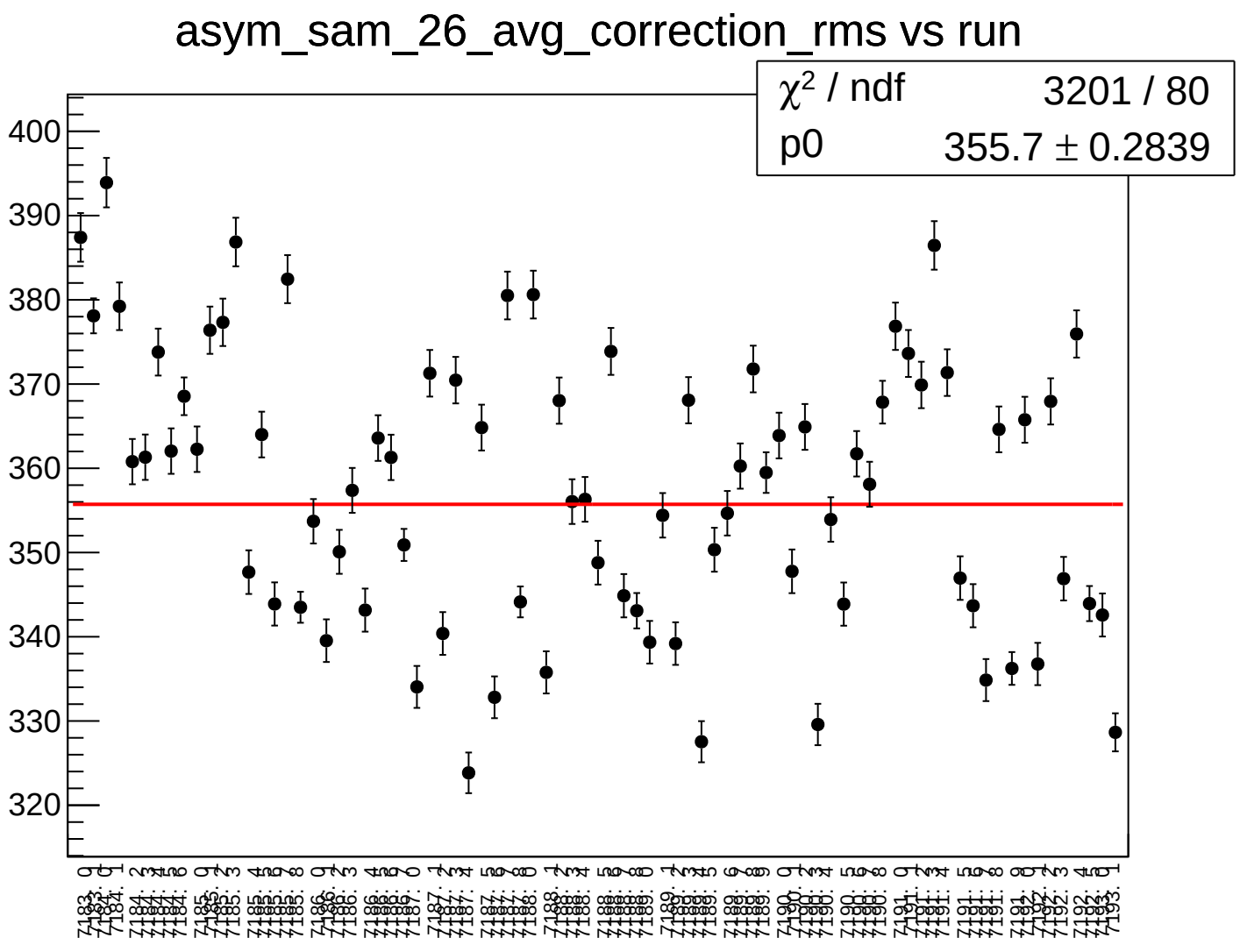

asym_sam_15_avg_rms vs run
χ² / ndf 5366 / 80
p0 306.2 ± 0.2446
360
340
320
300
280

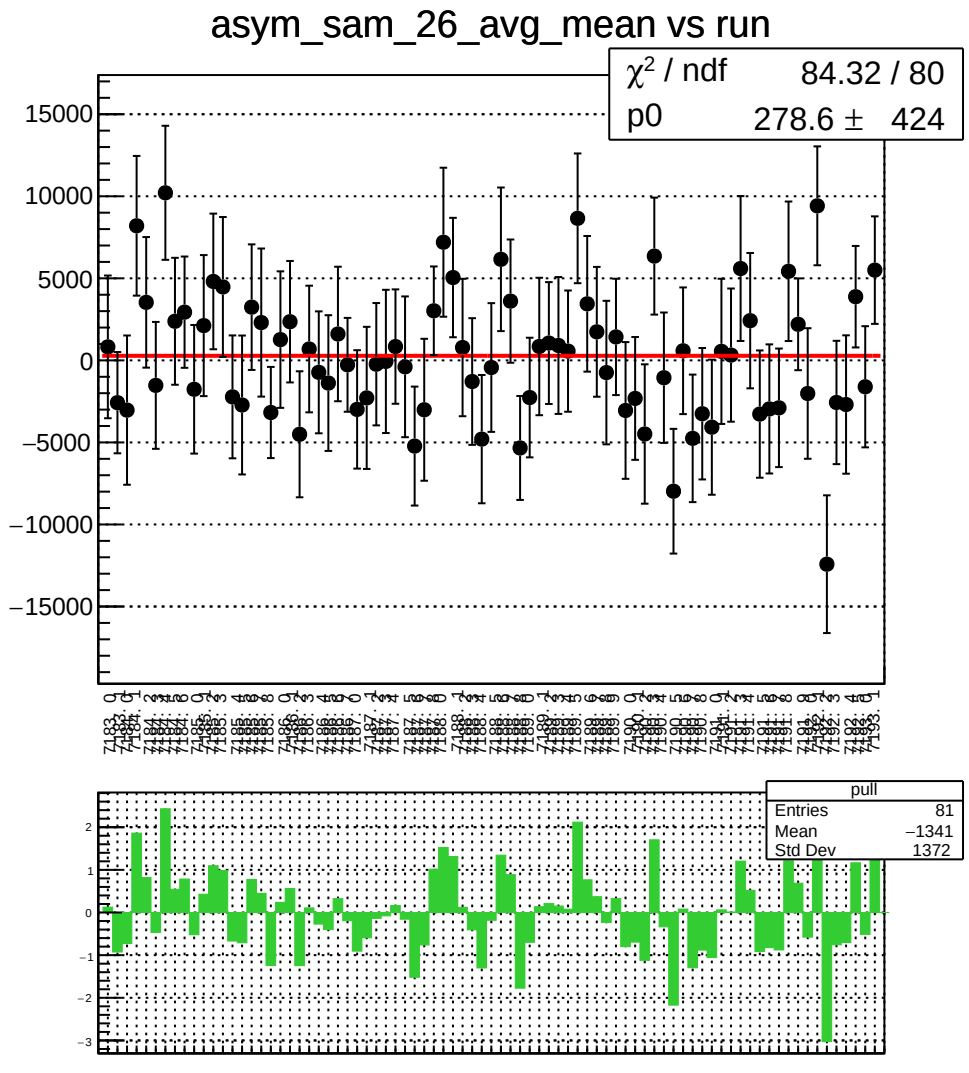

dit_asym_sam_26_avg_mean vs run
χ² / ndf 76.82 / 80
p0 22.22 ± 93.3
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 81
Mean 661.9
Std Dev 654.7
2
1
0
−1
−2

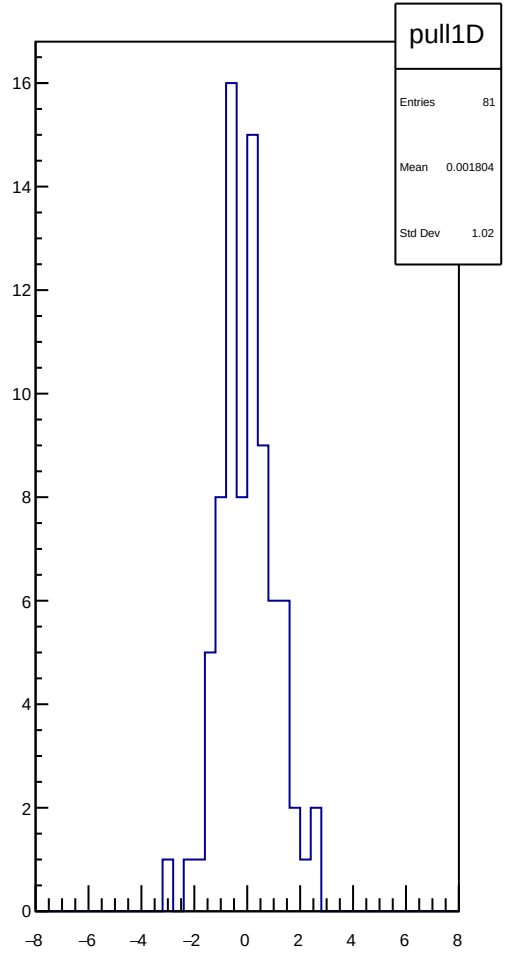

pull1D
Entries 81
Mean 0.001011
Std Dev 0.9738
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

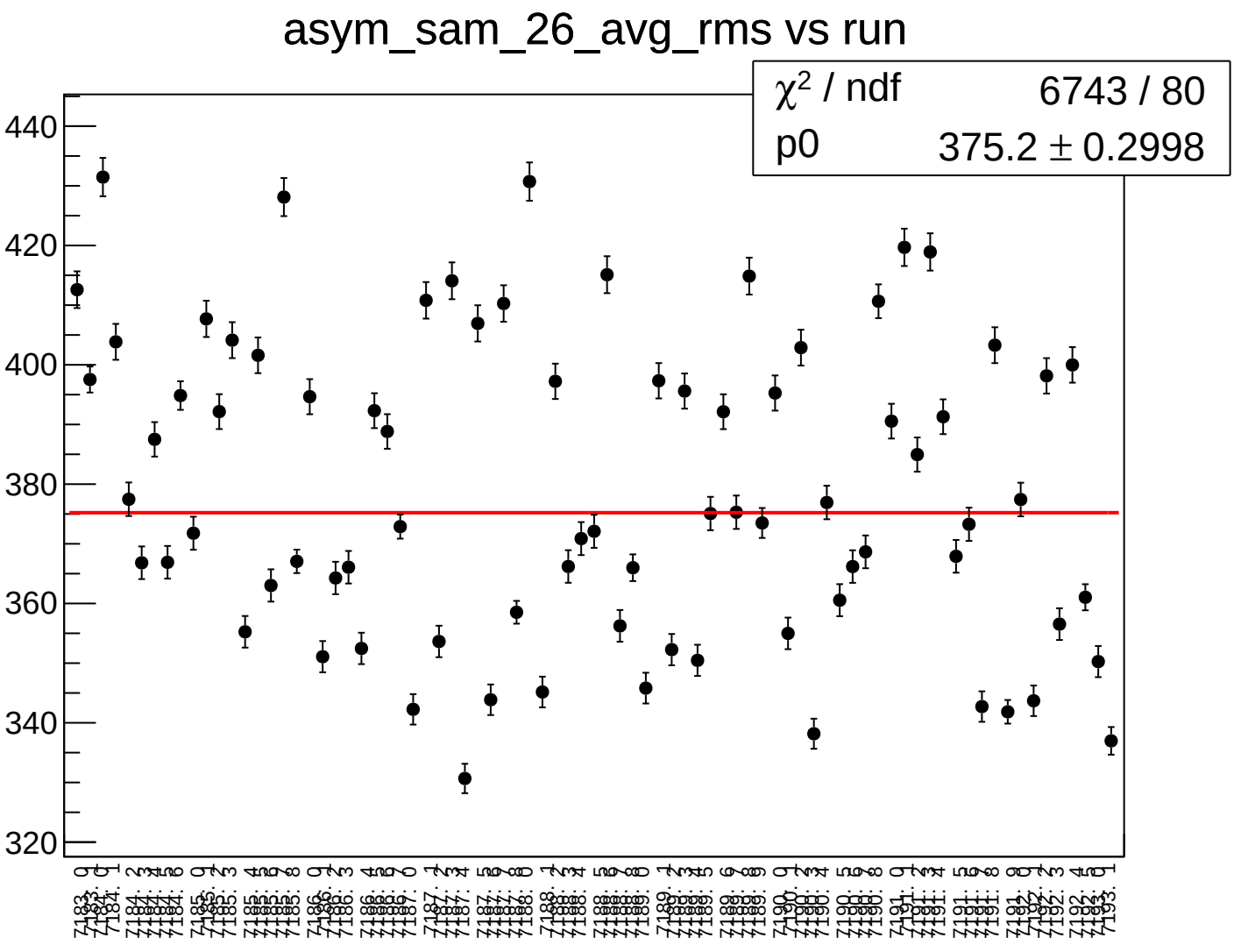

dit_asym_sam_26_avg_rms vs run
$\chi^2$ / ndf 6430 / 80
p0 82.57 ± 0.06597
100
95
90
85
80
75

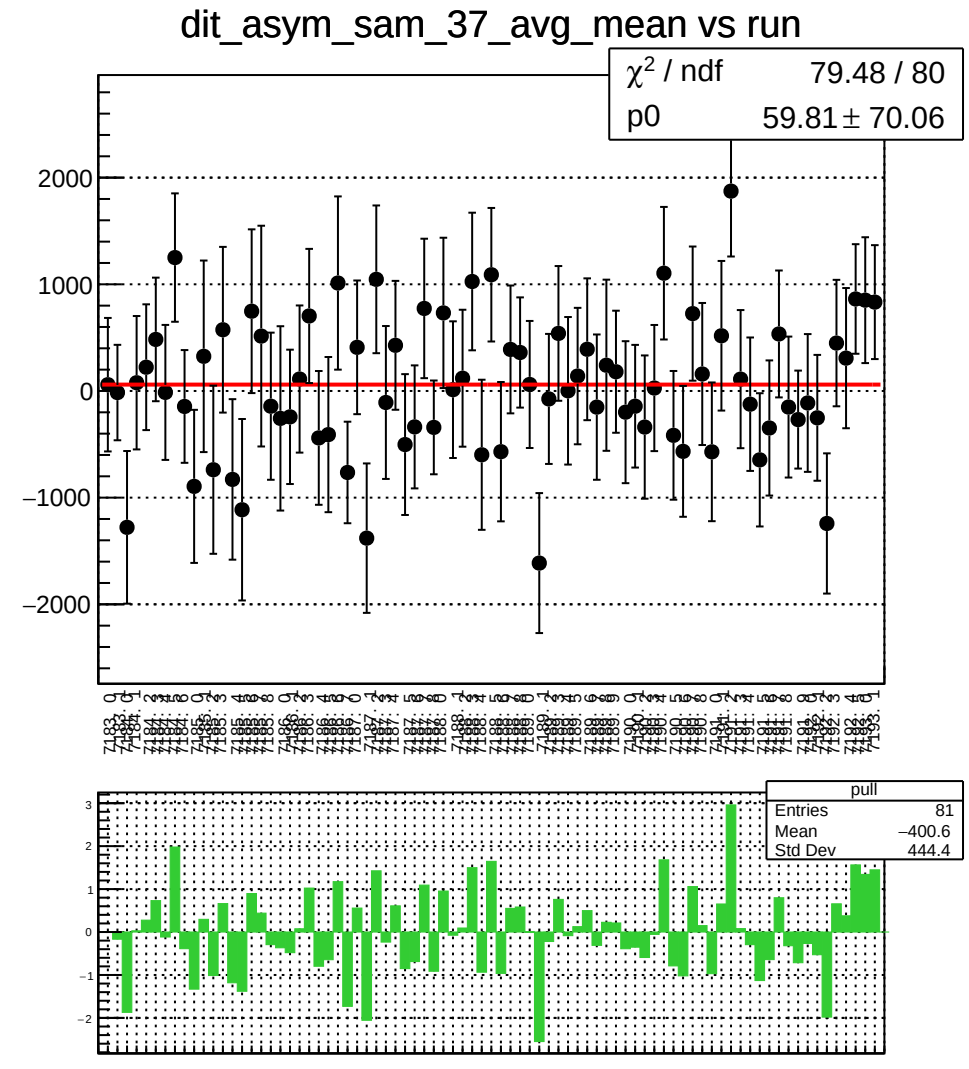

asym_sam_26_avg_correction_mean vs run
χ² / ndf 87.71 / 80
p0 −245.3 ± 401.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −712.7
Std Dev 742.7
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.003747
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

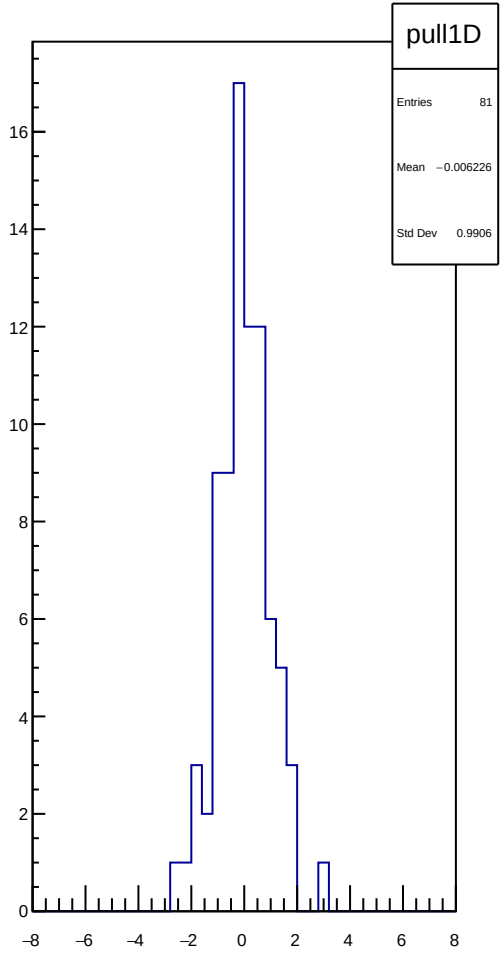

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3201 / 80
p0 355.7 ± 0.2839
400
390
380
370
360
350
340
330
320

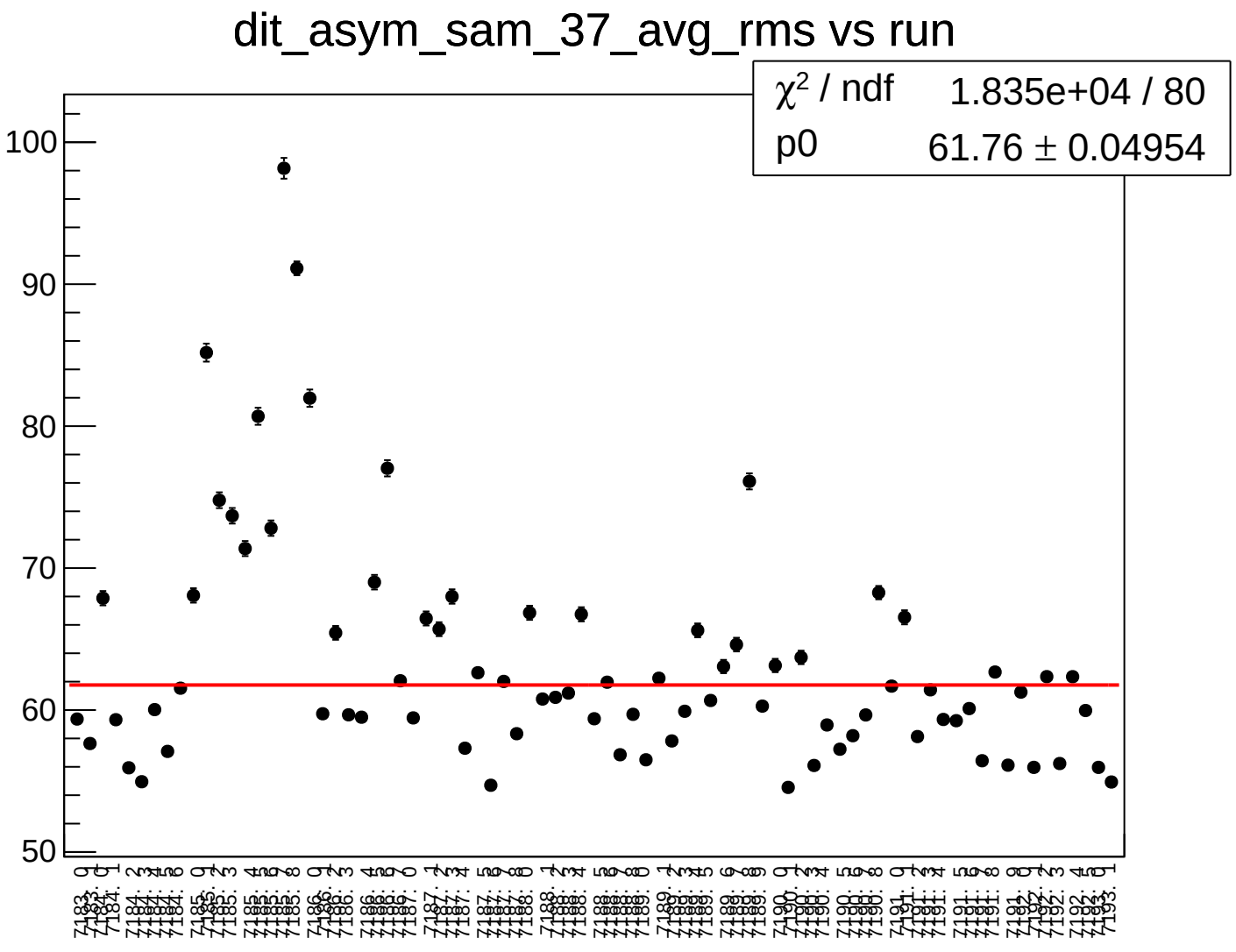

asym_sam_26_avg_mean vs run
χ² / ndf 84.32 / 80
p0 278.6 ± 424
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −1341
Std Dev 1372
2
1
0
−1
−2
−3

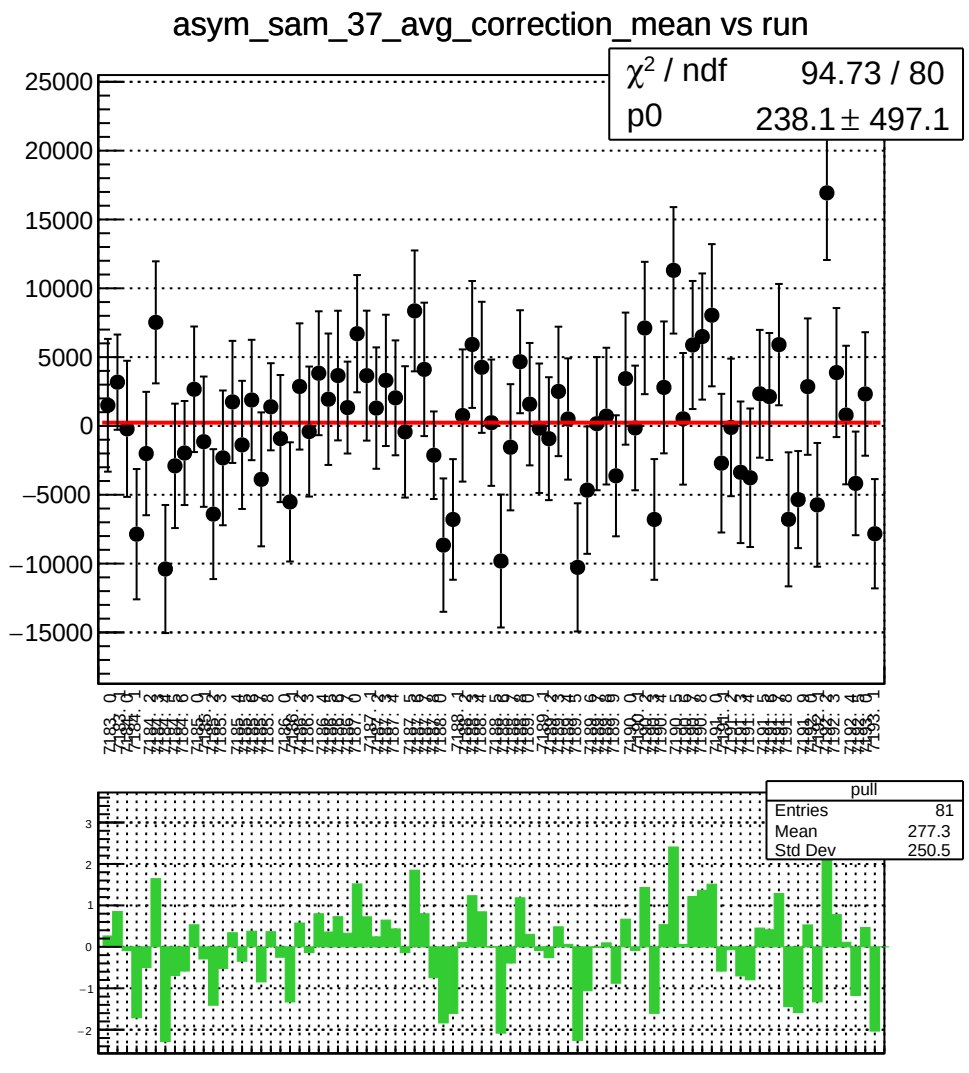

pull1D
Entries 81
Mean 0.001804
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

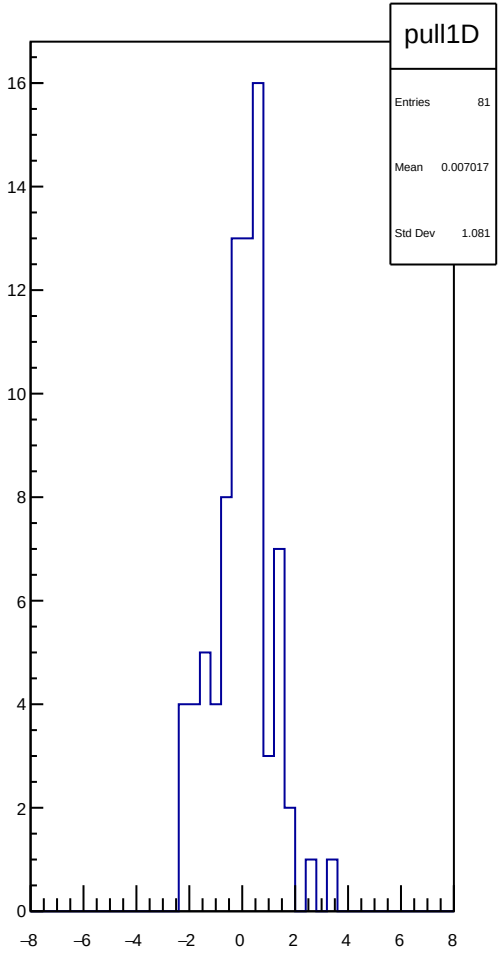

asym_sam_26_avg_rms vs run
$\chi^2$ / ndf 6743 / 80
p0 375.2 ± 0.2998
440
420
400
380
360
340
320

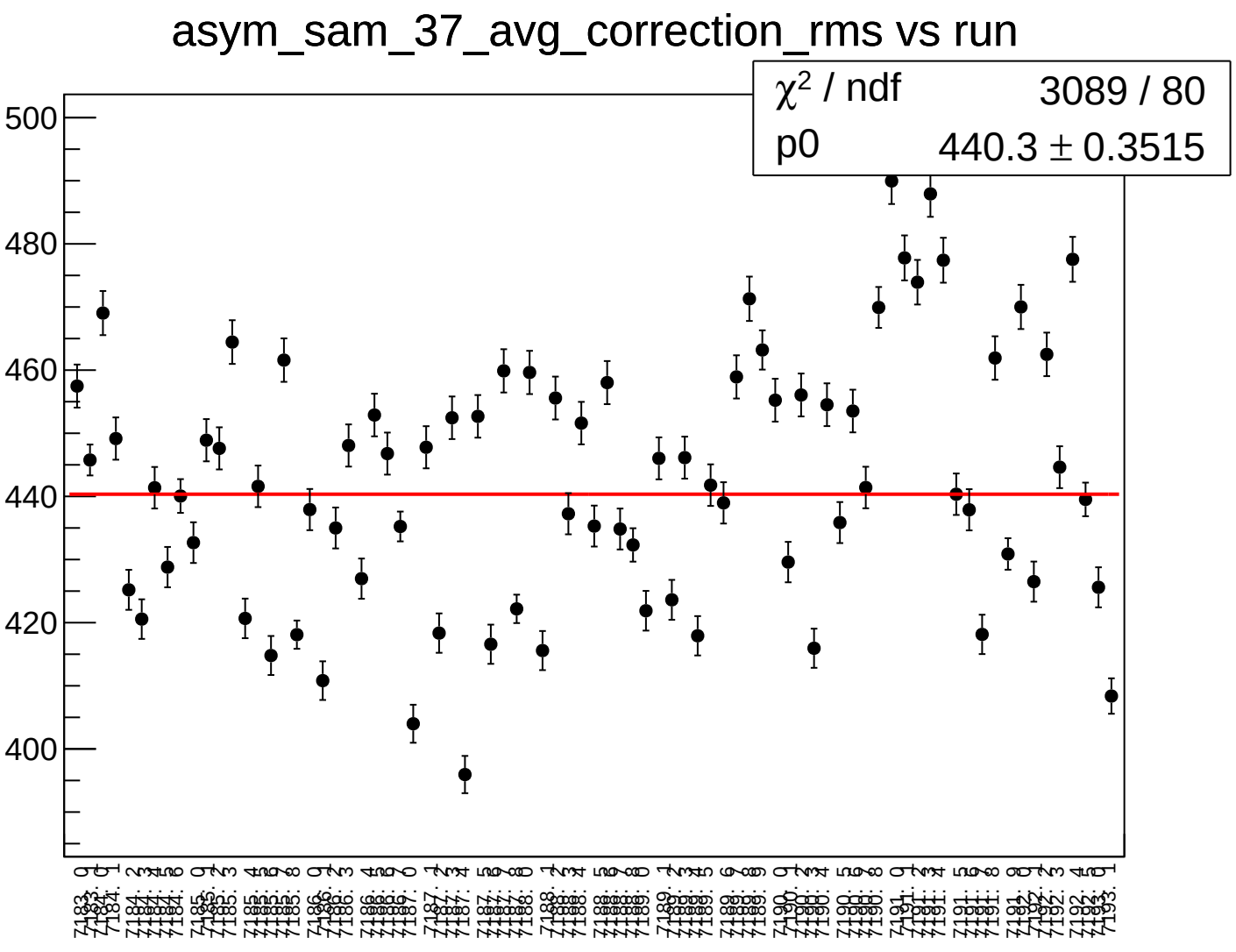

dit_asym_sam_37_avg_mean vs run
χ² / ndf 79.48 / 80
p0 59.81 ± 70.06
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −400.6
Std Dev 444.4
3
2
1
0
−1
−2

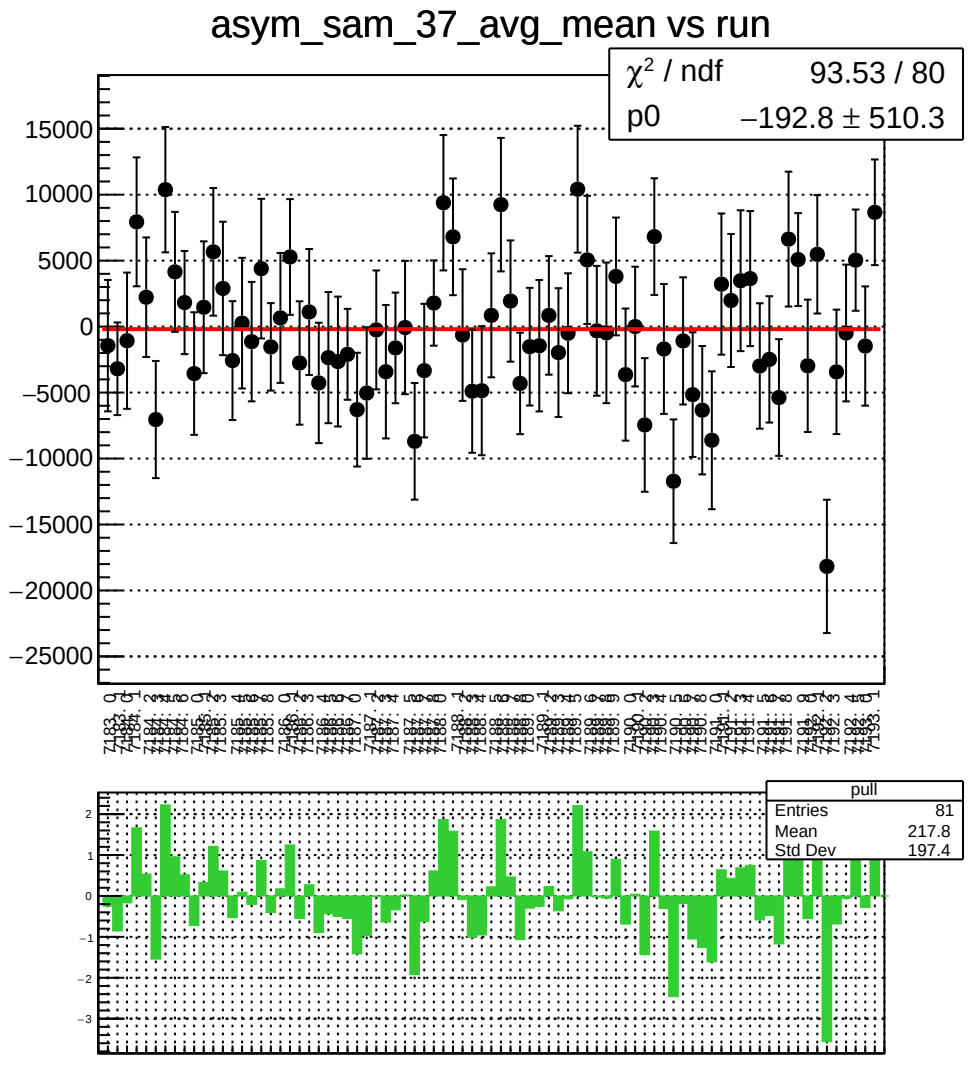

pull1D
Entries 81
Mean −0.006226
Std Dev 0.9906
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

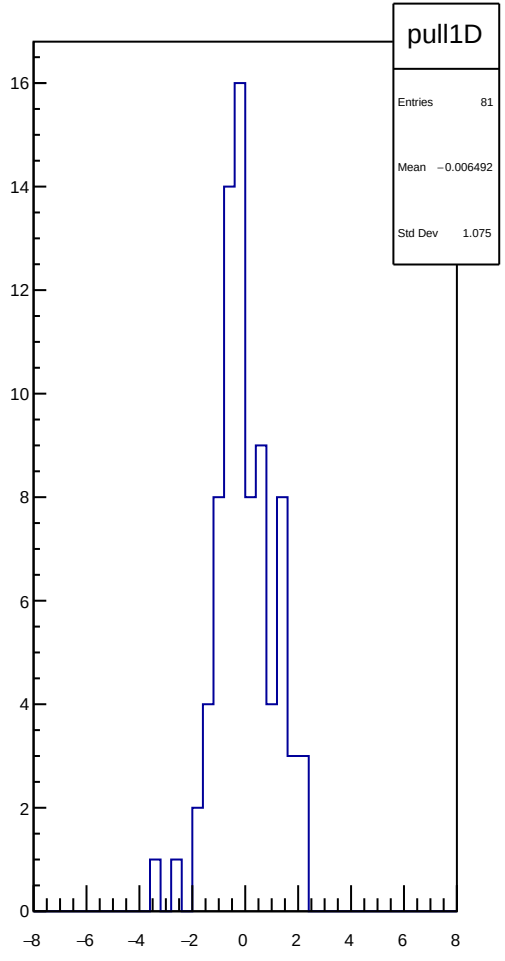

dit_asym_sam_37_avg_rms vs run
$\chi^2$ / ndf 1.835e+04 / 80
p0 61.76 ± 0.04954
100
90
80
70
60
50

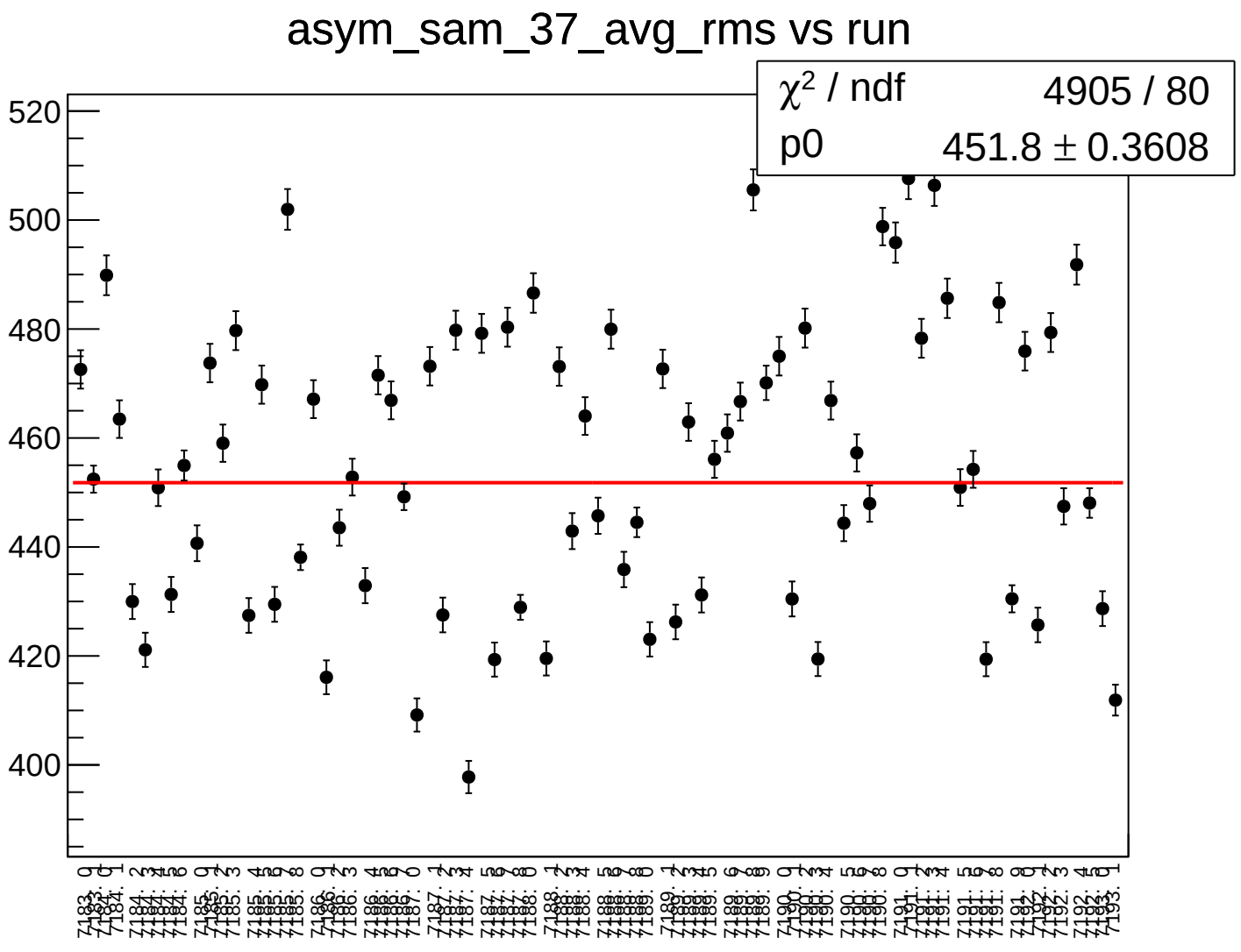

asym_sam_37_avg_correction_mean vs run
χ² / ndf 94.73 / 80
p0 238.1 ± 497.1
pull
Entries 81
Mean 277.3
Std Dev 250.5

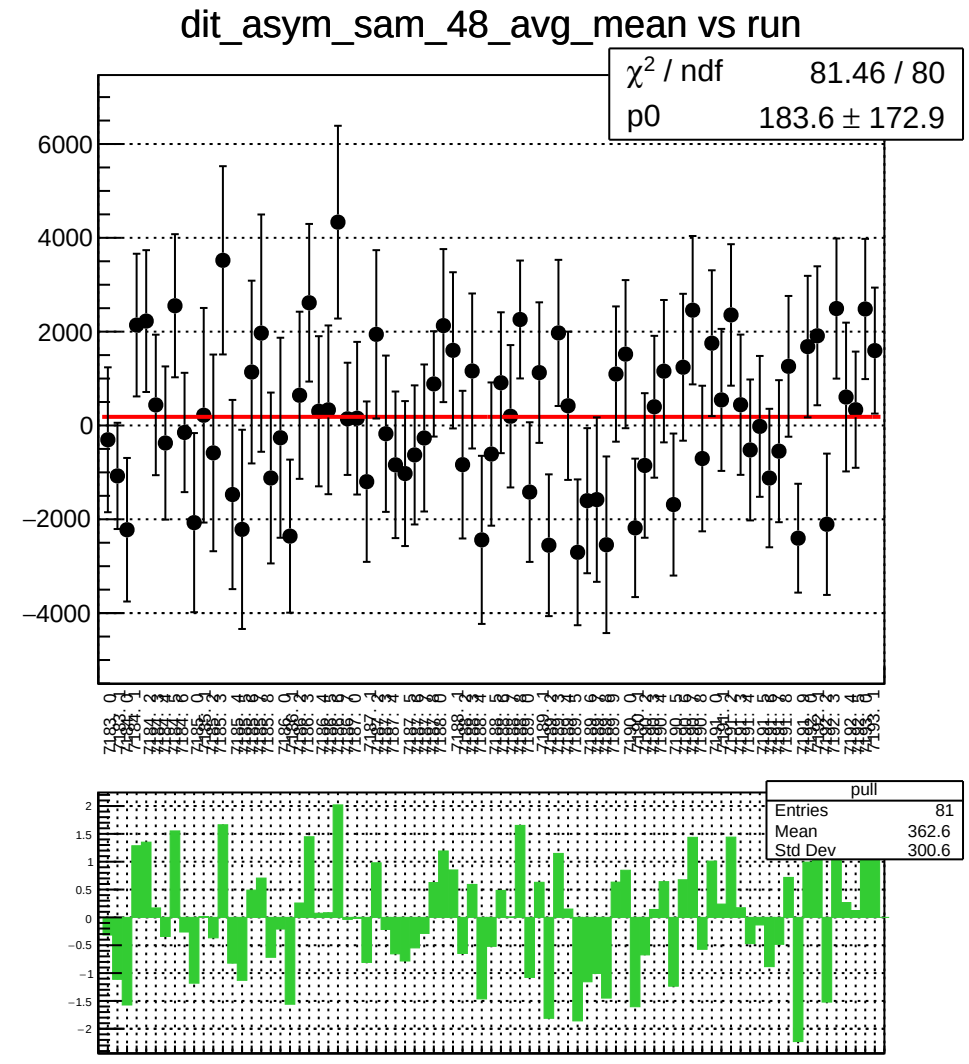

pull1D
Entries 81
Mean 0.007017
Std Dev 1.081

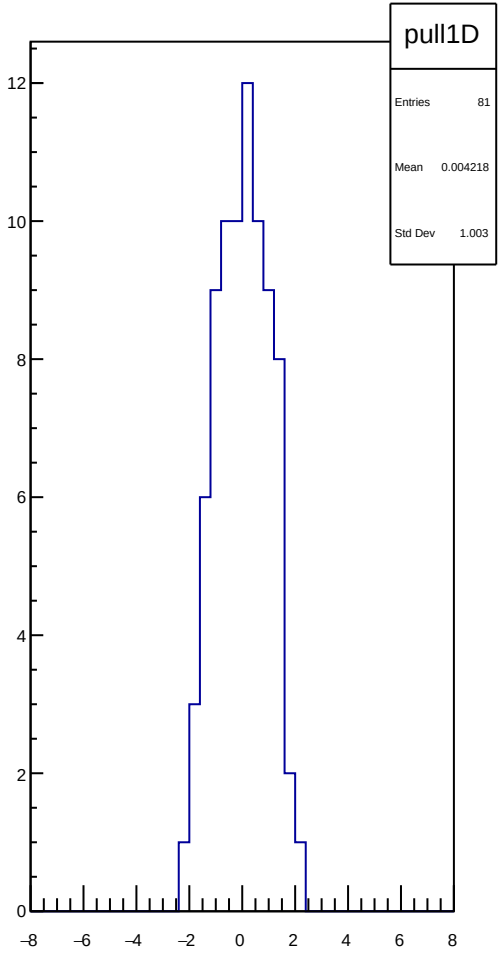

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3089 / 80
p0 440.3 ± 0.3515
500
480
460
440
420
400

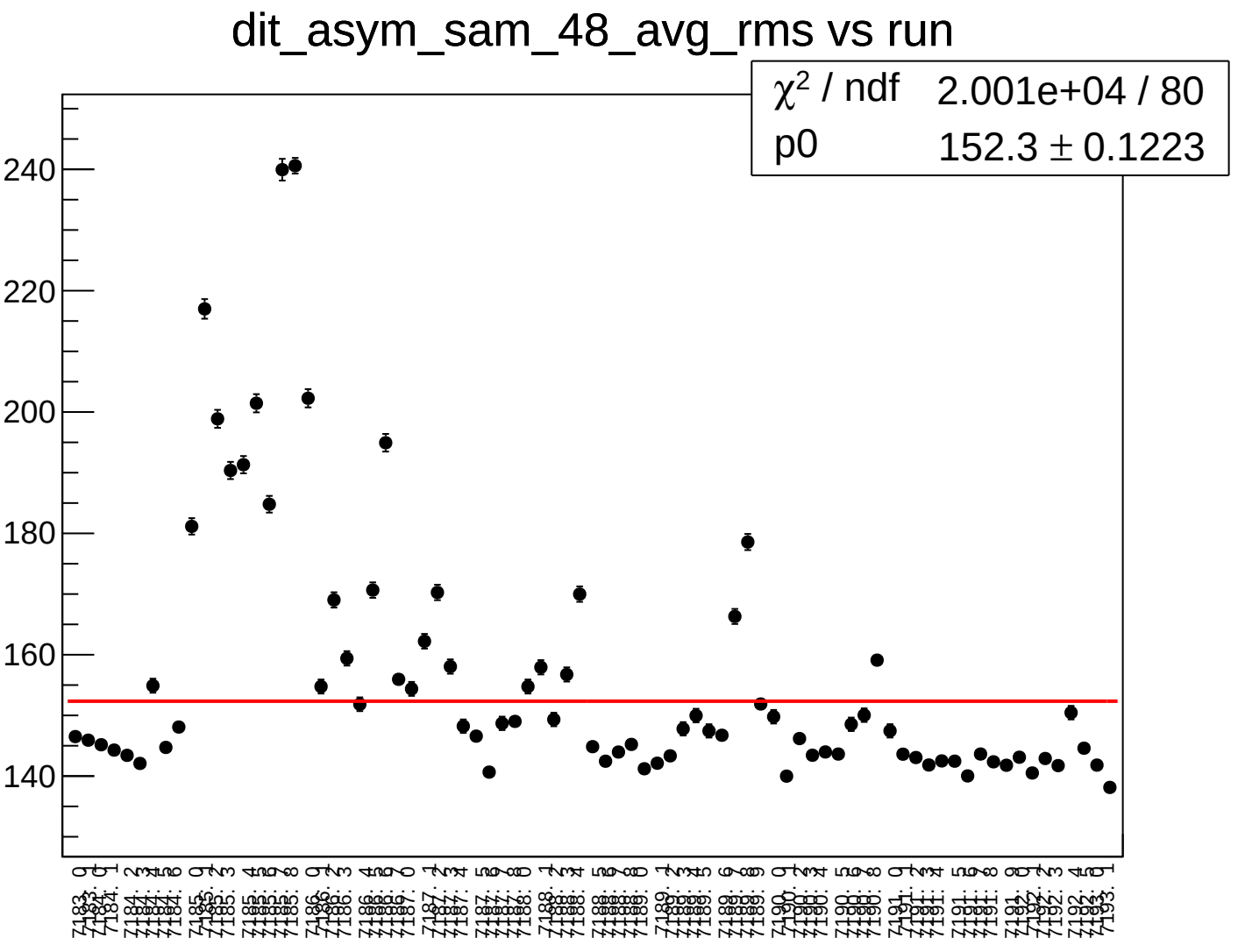

asym_sam_37_avg_mean vs run
χ² / ndf 93.53 / 80
p0 −192.8 ± 510.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 81
Mean 217.8
Std Dev 197.4
2
1
0
−1
−2
−3

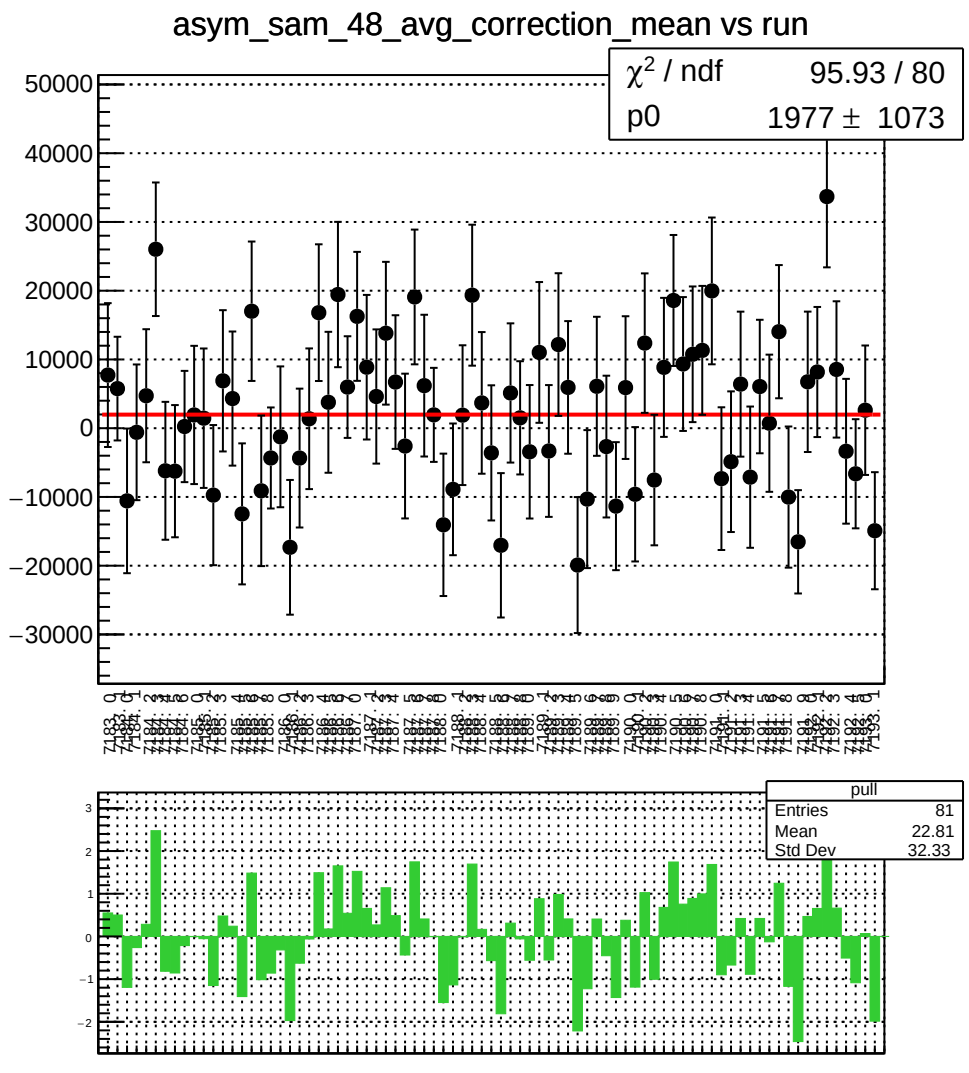

pull1D
Entries 81
Mean −0.006492
Std Dev 1.075
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

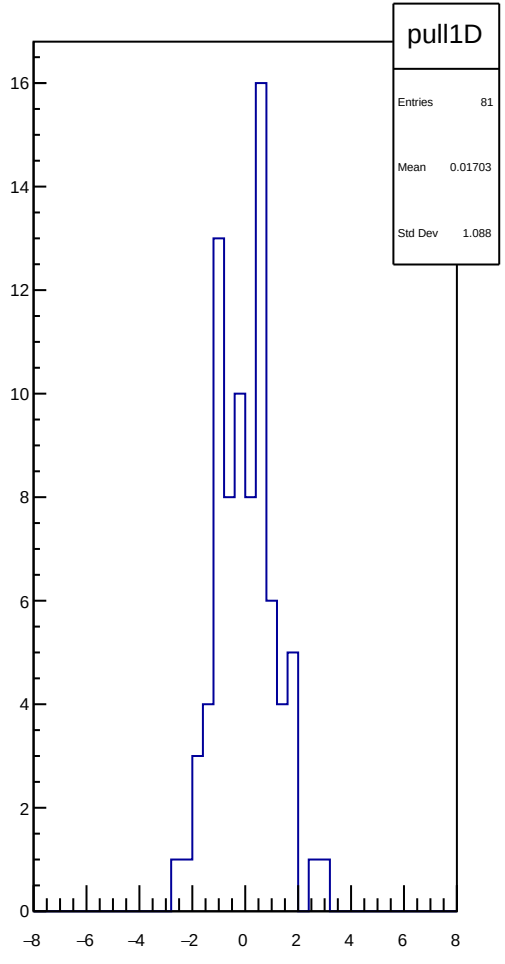

asym_sam_37_avg_rms vs run
χ² / ndf 4905 / 80
p0 451.8 ± 0.3608
520
500
480
460
440
420
400

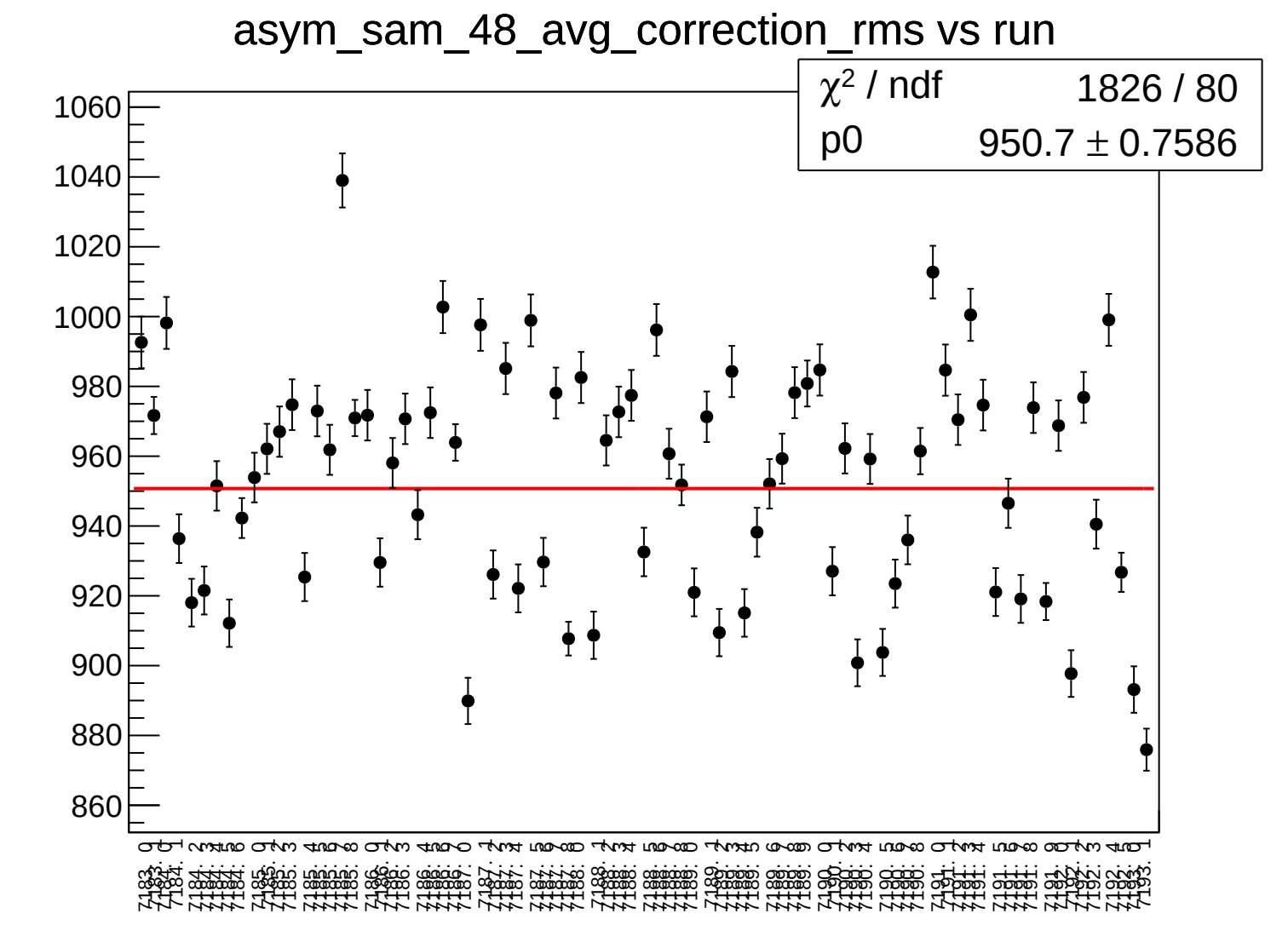

dit_asym_sam_48_avg_mean vs run
χ² / ndf 81.46 / 80
p0 183.6 ± 172.9
pull
Entries 81
Mean 362.6
Std Dev 300.6

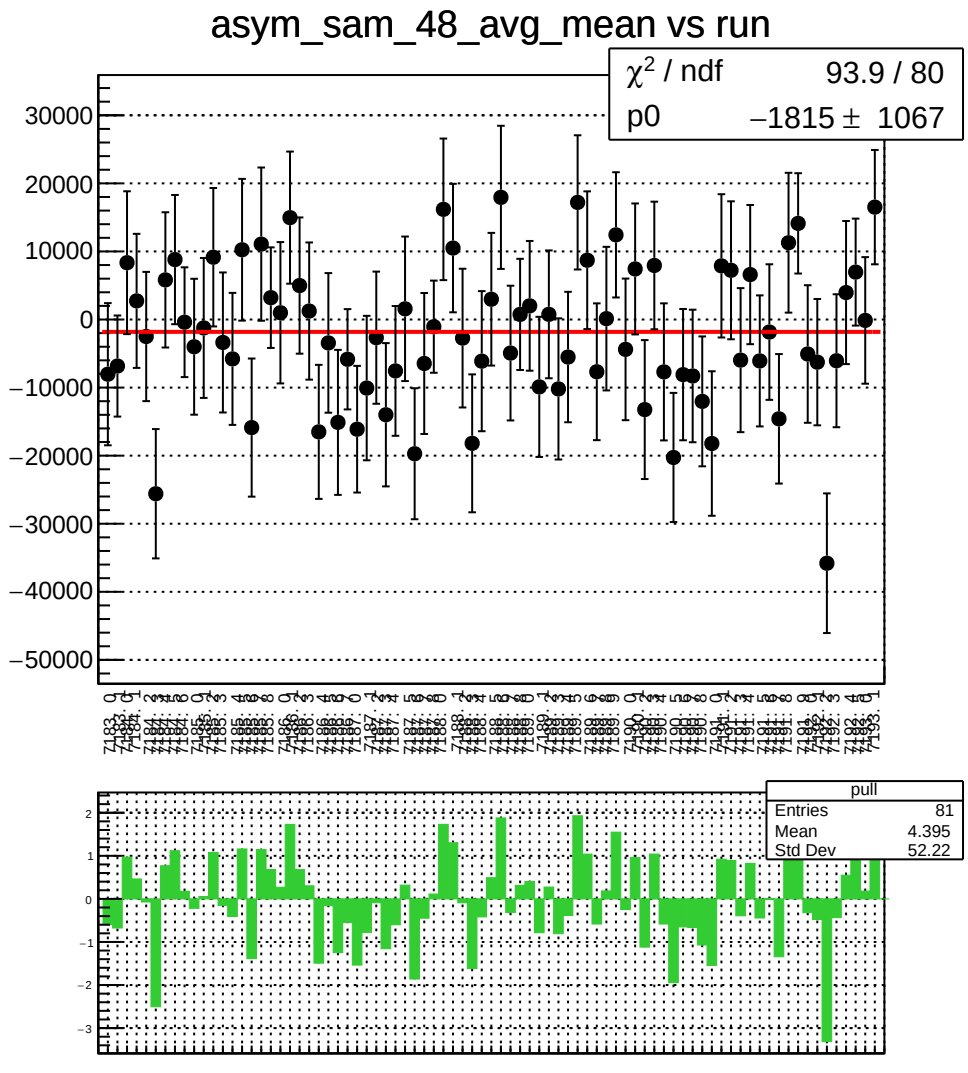

pull1D
Entries 81
Mean 0.004218
Std Dev 1.003

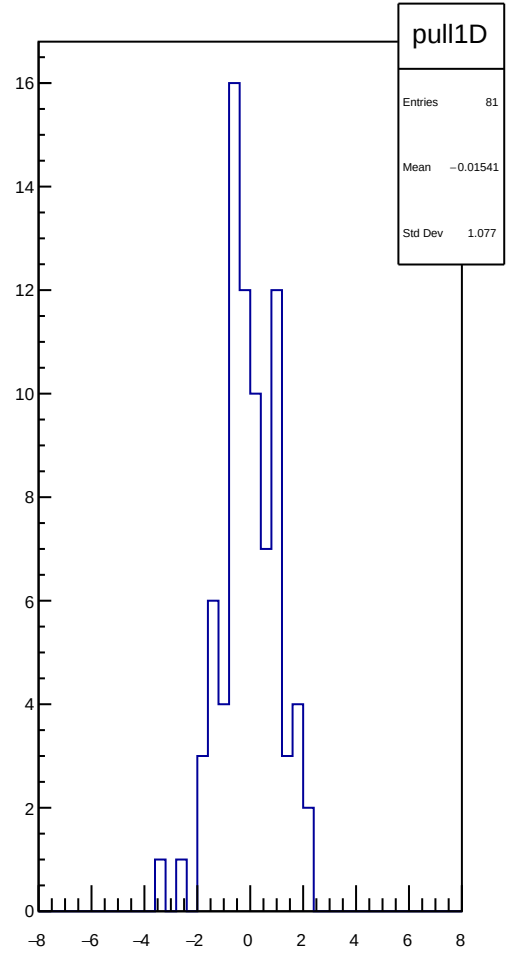

dit_asym_sam_48_avg_rms vs run
$\chi^2$ / ndf 2.001e+04 / 80
p0 152.3 ± 0.1223
240
220
200
180
160
140

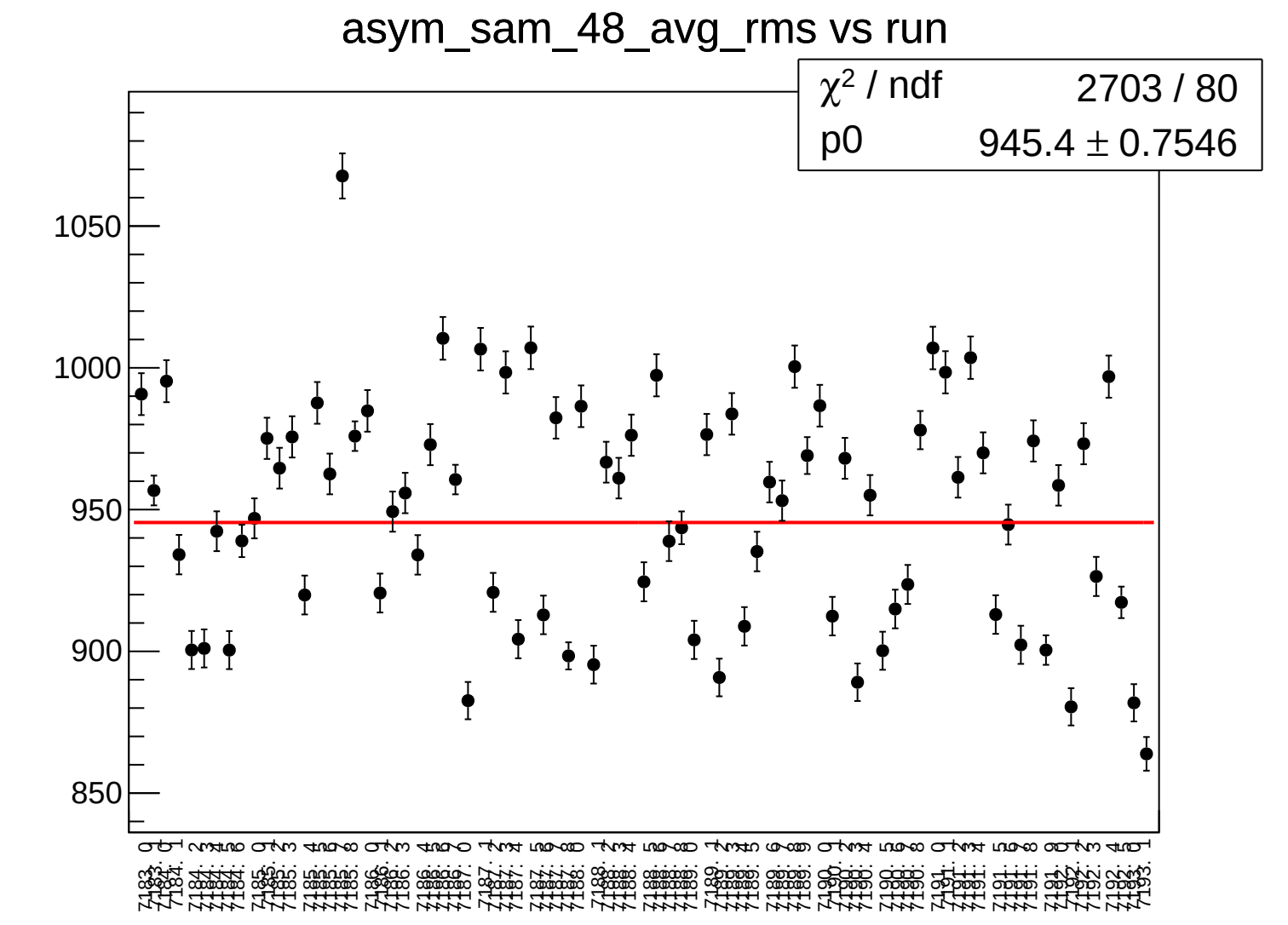

asym_sam_48_avg_correction_mean vs run
χ² / ndf 95.93 / 80
p0 1977 ± 1073
pull
Entries 81
Mean 22.81
Std Dev 32.33

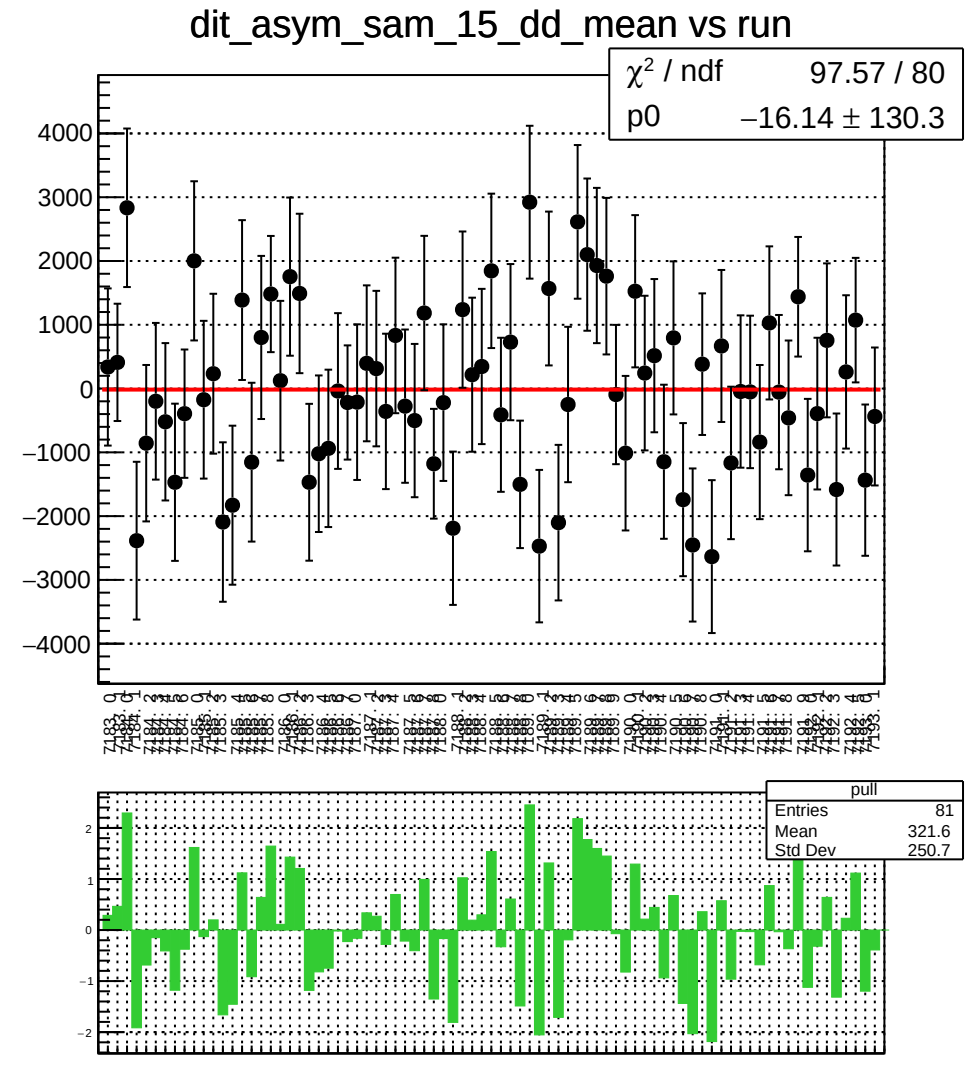

pull1D
Entries 81
Mean 0.01703
Std Dev 1.088

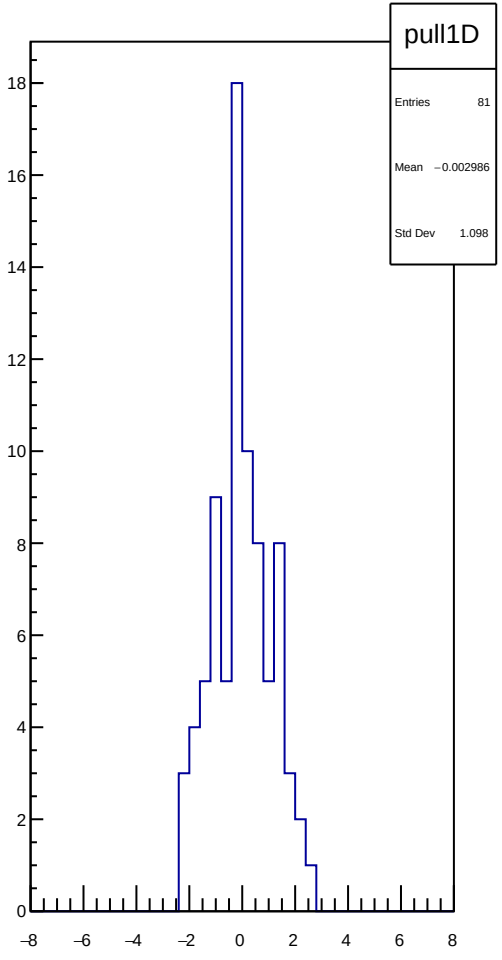

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1826 / 80
p0 950.7 ± 0.7586
1060
1040
1020
1000
980
960
940
920
900
880
860

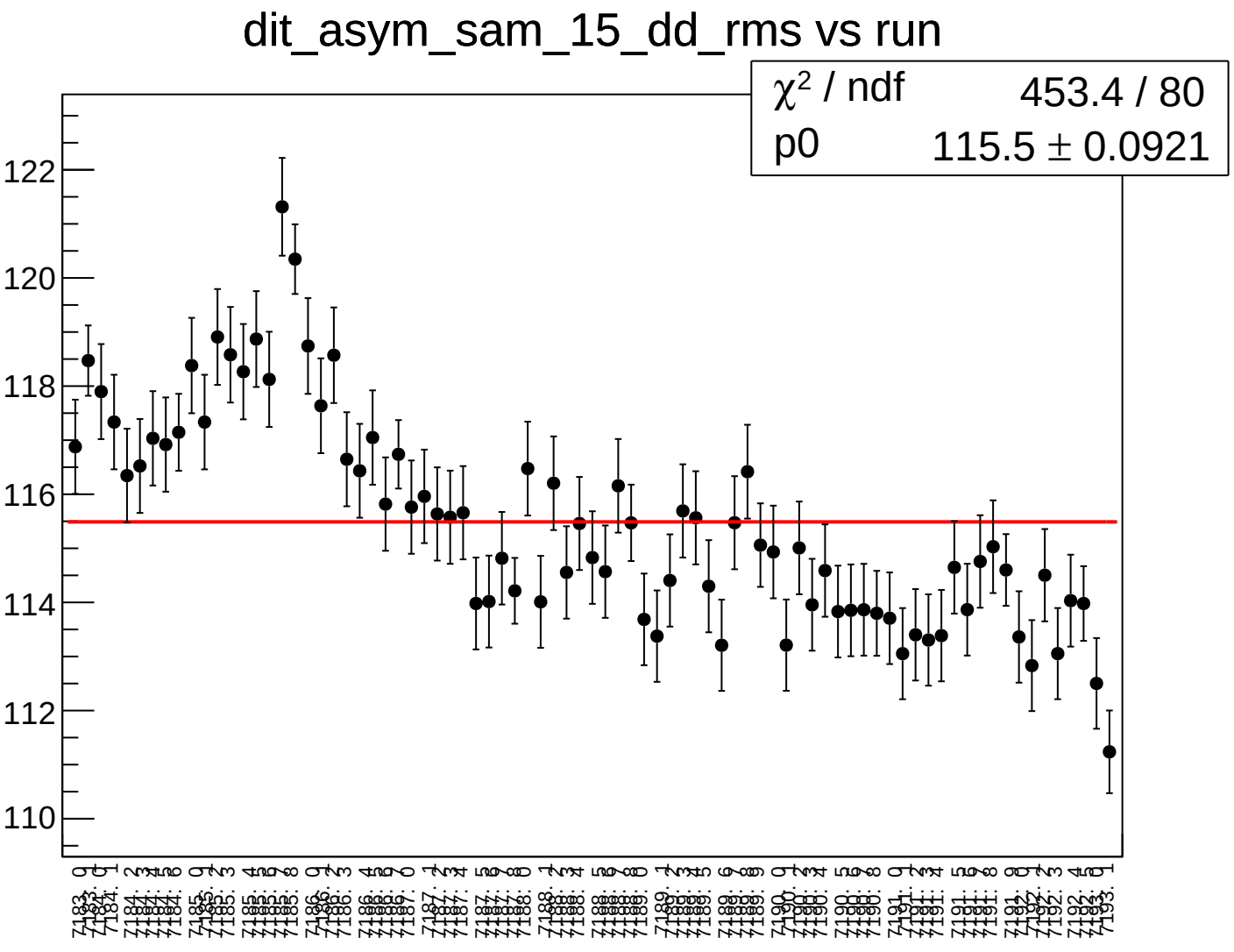

asym_sam_48_avg_mean vs run
χ² / ndf 93.9 / 80
p0 −1815 ± 1067
pull
Entries 81
Mean 4.395
Std Dev 52.22

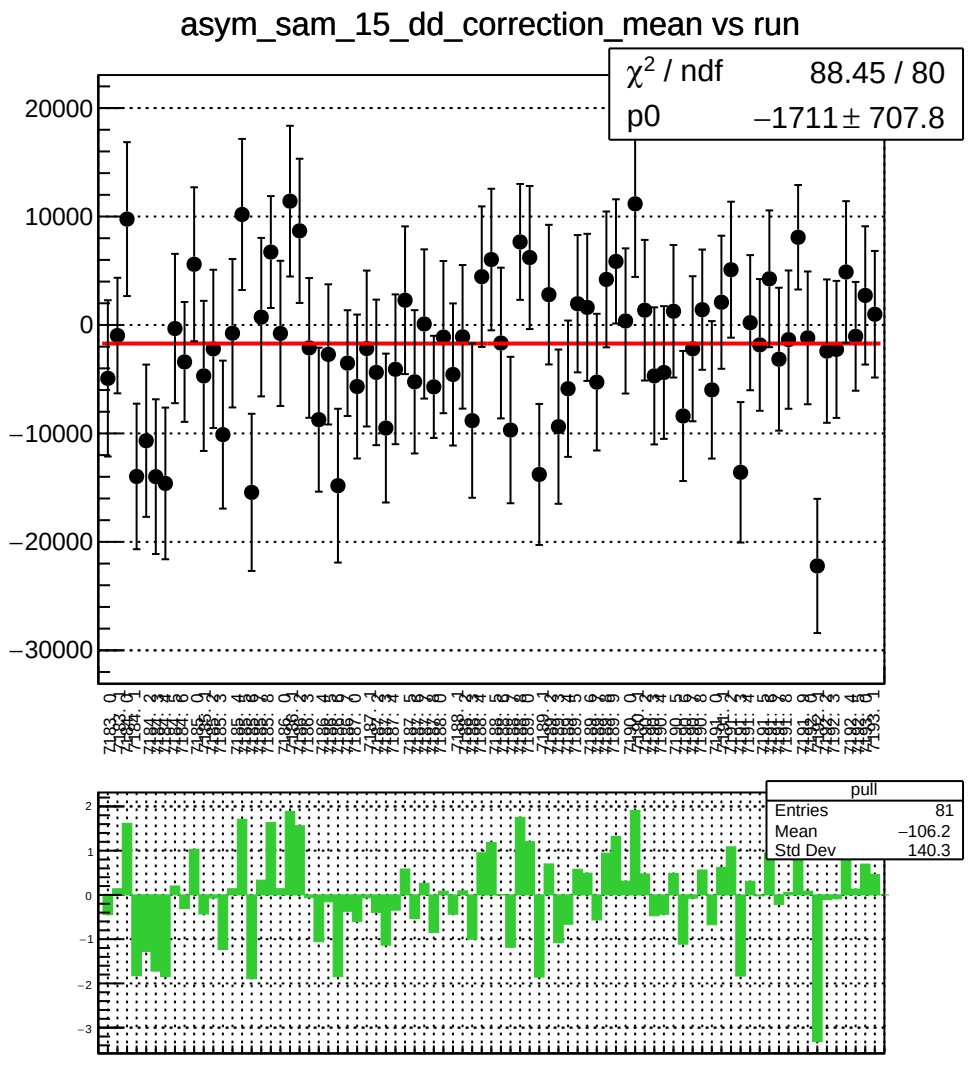

pull1D
Entries 81
Mean −0.01541
Std Dev 1.077

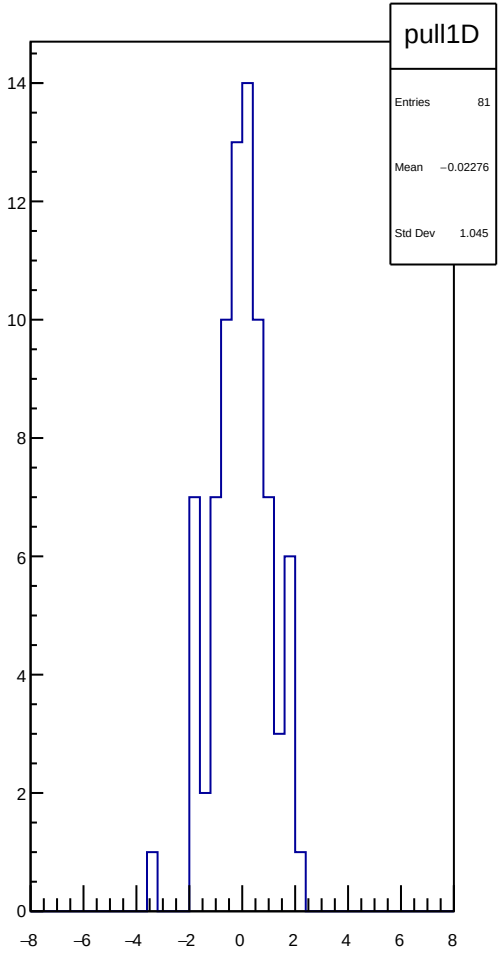

asym_sam_48_avg_rms vs run
χ² / ndf 2703 / 80
p0 945.4 ± 0.7546
1050
1000
950
900
850

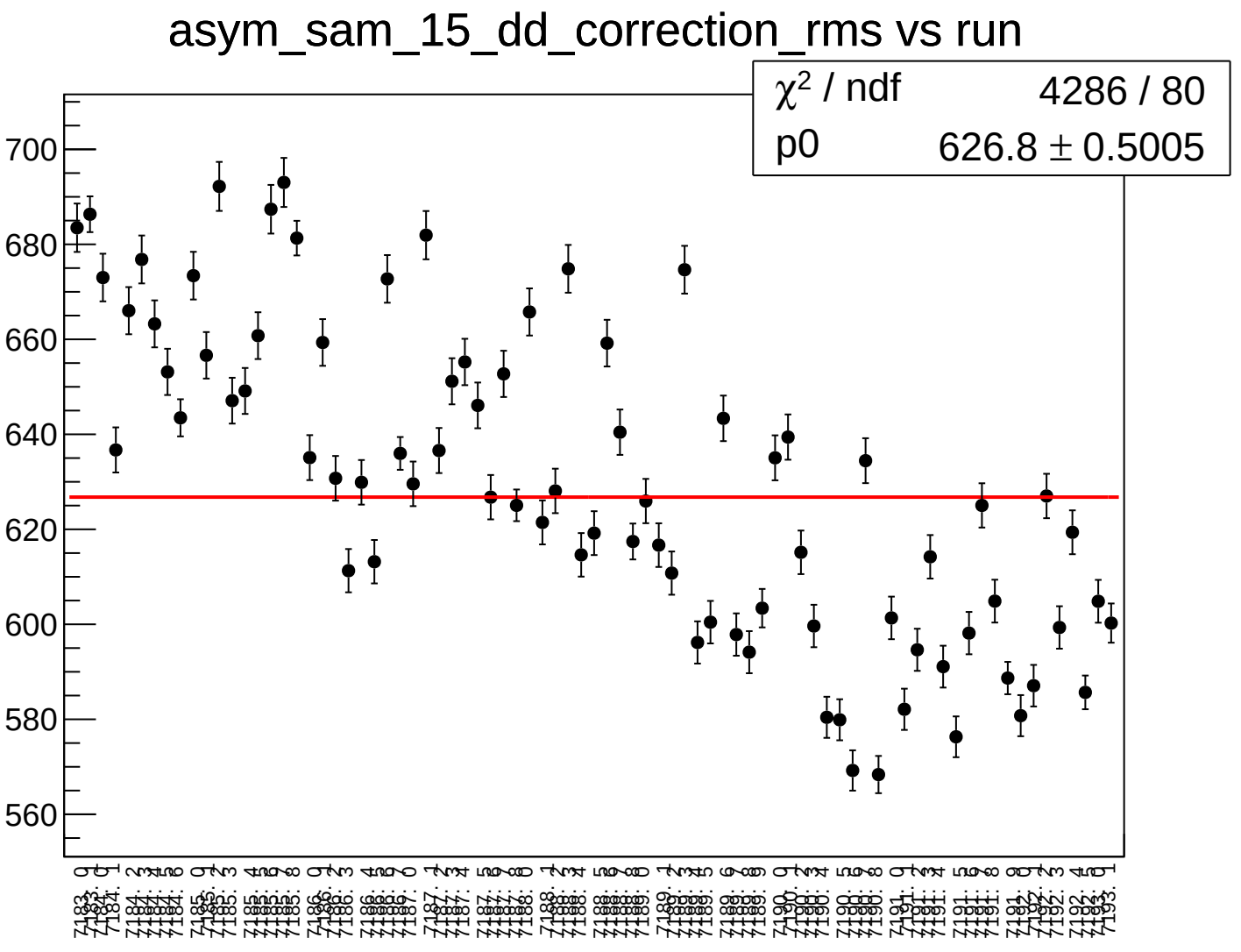

dit_asym_sam_15_dd_mean vs run
χ² / ndf 97.57 / 80
p0 −16.14 ± 130.3
pull
Entries 81
Mean 321.6
Std Dev 250.7

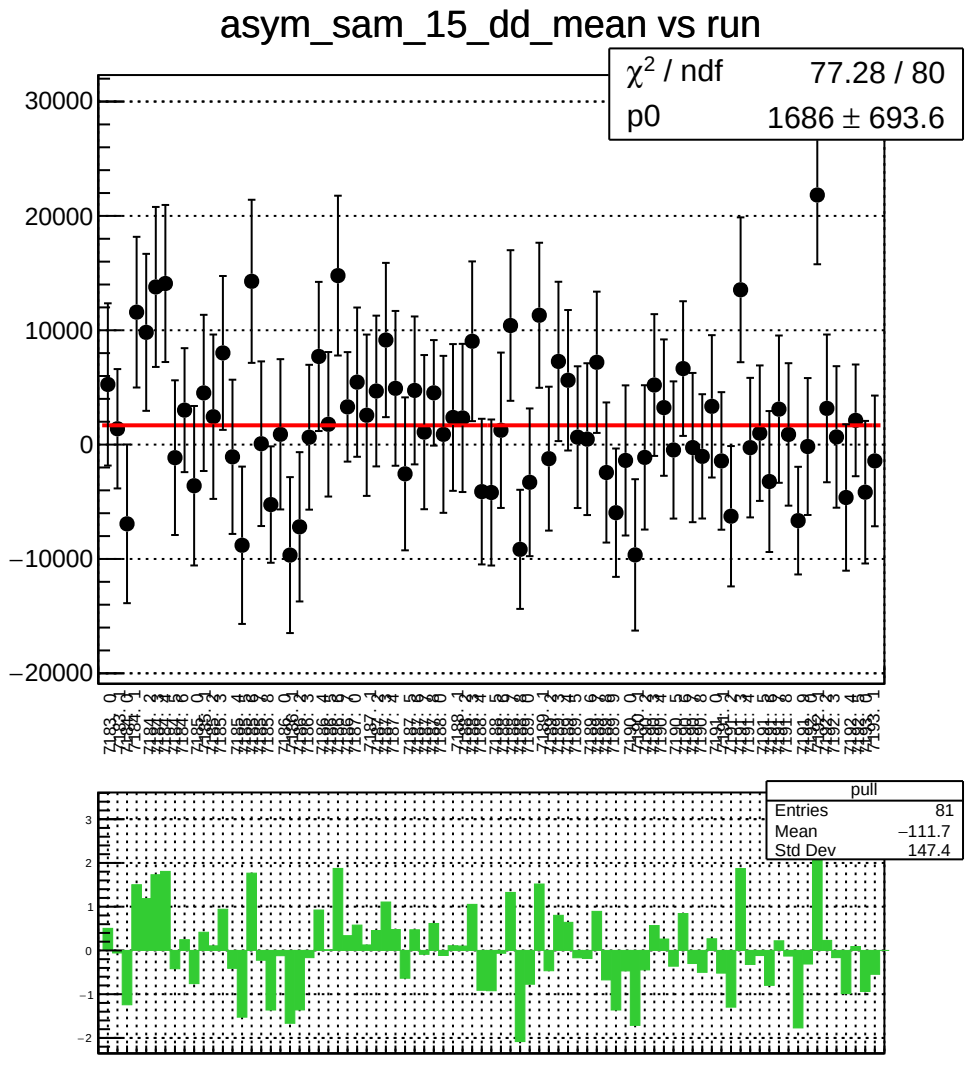

pull1D
Entries 81
Mean −0.002986
Std Dev 1.098

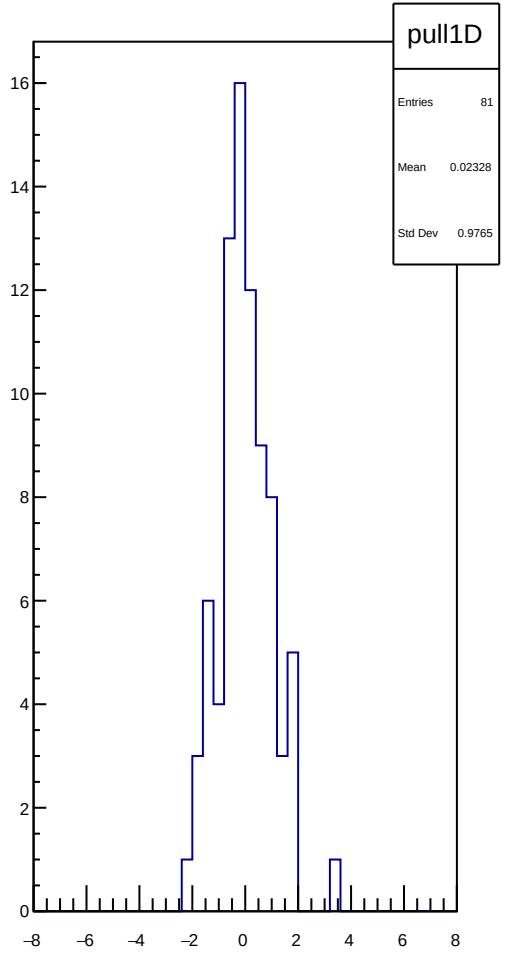

dit_asym_sam_15_dd_rms vs run
χ² / ndf 453.4 / 80
p0 115.5 ± 0.0921
122
120
118
116
114
112
110

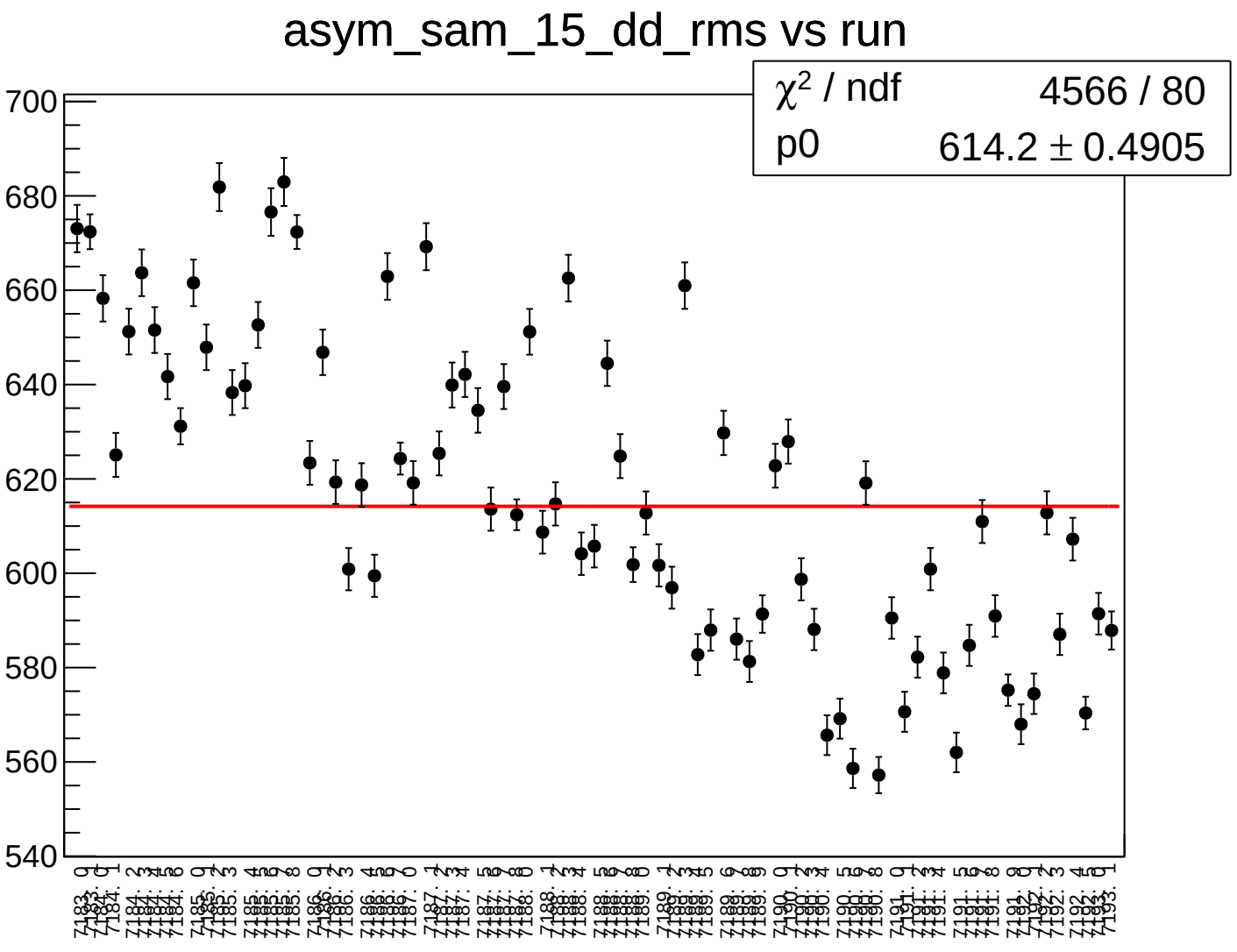

asym_sam_15_dd_correction_mean vs run
χ² / ndf 88.45 / 80
p0 −1711 ± 707.8
pull
Entries 81
Mean −106.2
Std Dev 140.3

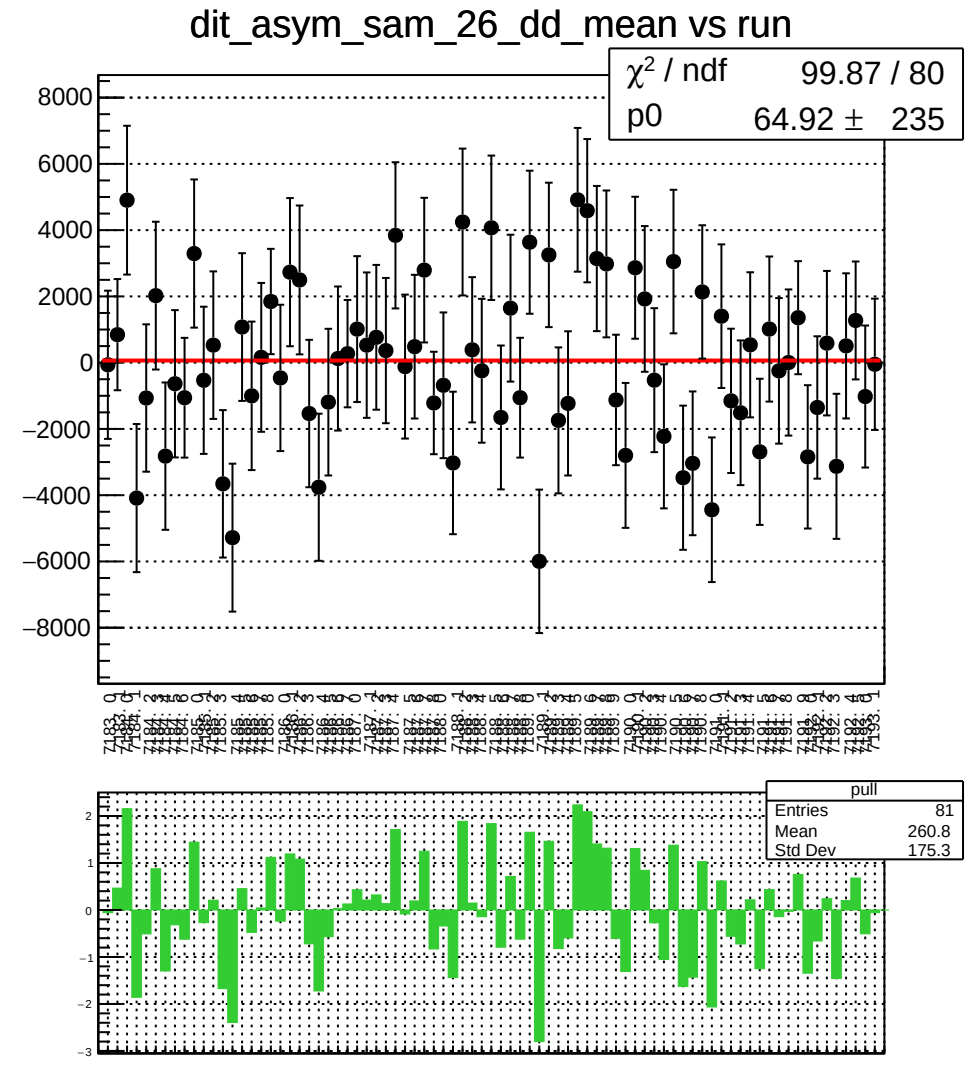

pull1D
Entries 81
Mean −0.02276
Std Dev 1.045

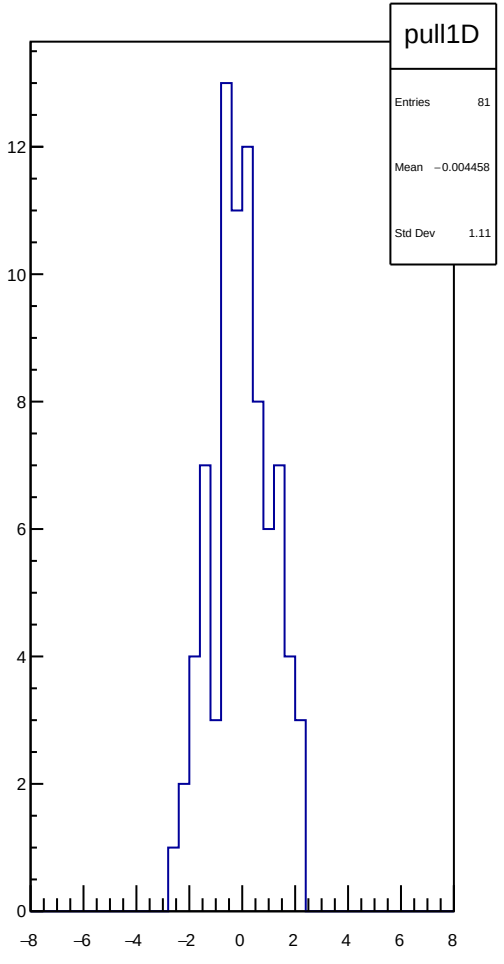

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4286 / 80
p0 626.8 ± 0.5005
700
680
660
640
620
600
580
560

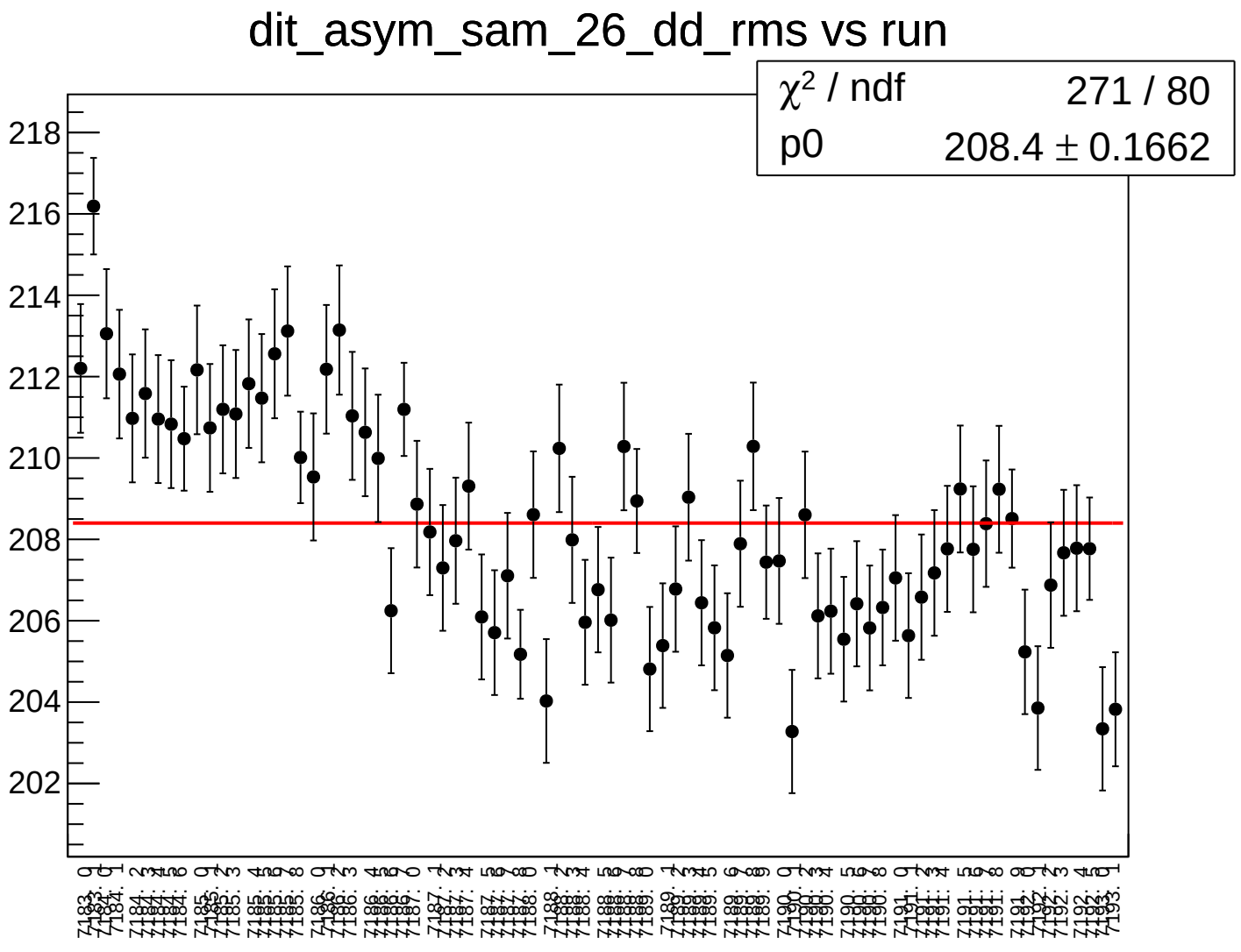

asym_sam_15_dd_mean vs run
χ² / ndf 77.28 / 80
p0 1686 ± 693.6
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −111.7
Std Dev 147.4
3
2
1
0
−1
−2

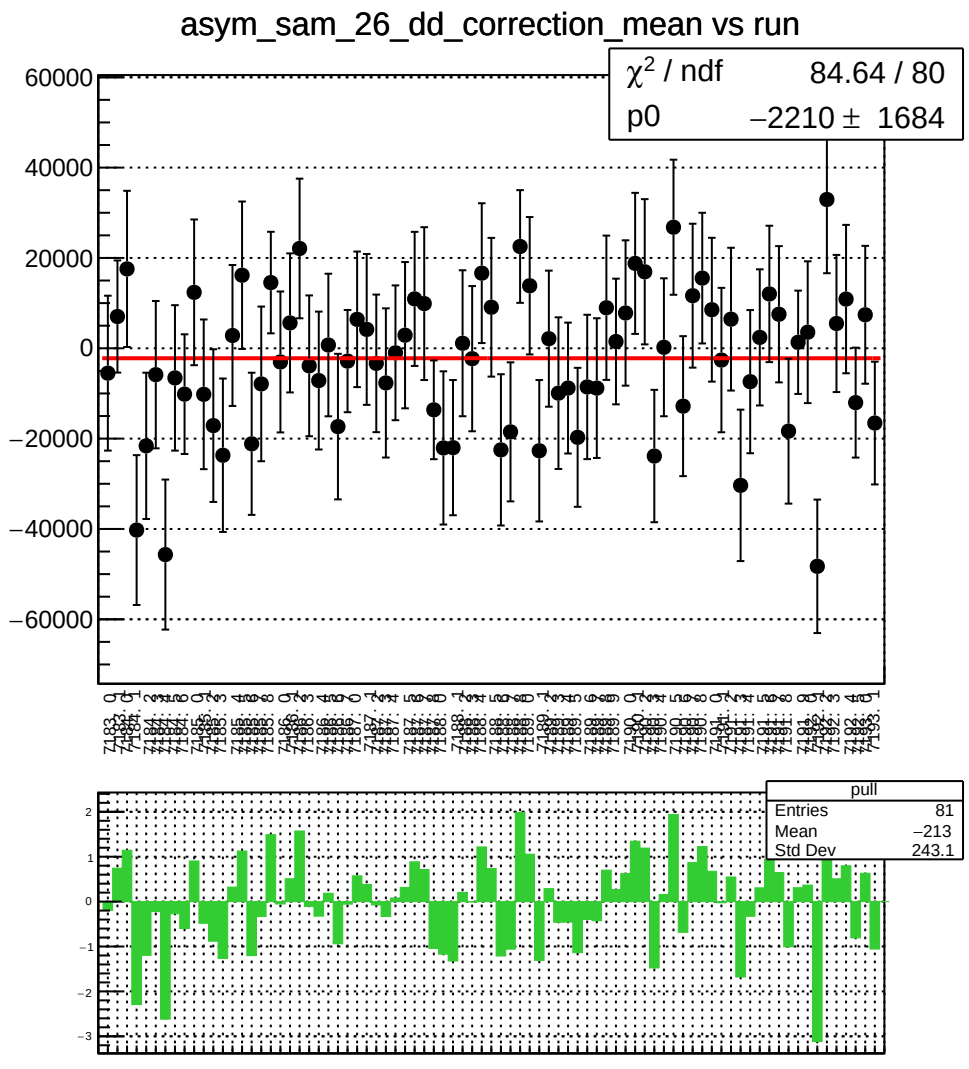

pull1D
Entries 81
Mean 0.02328
Std Dev 0.9765
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

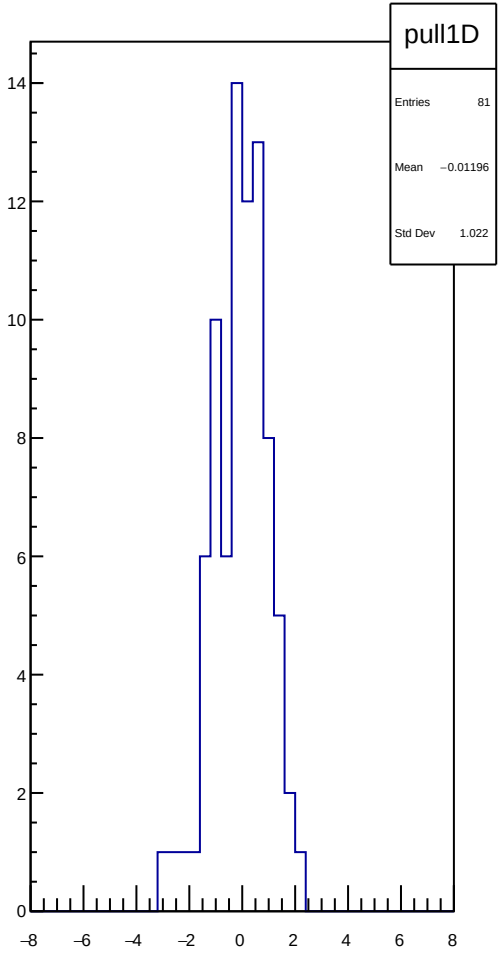

asym_sam_15_dd_rms vs run
χ² / ndf 4566 / 80
p0 614.2 ± 0.4905
700
680
660
640
620
600
580
560
540

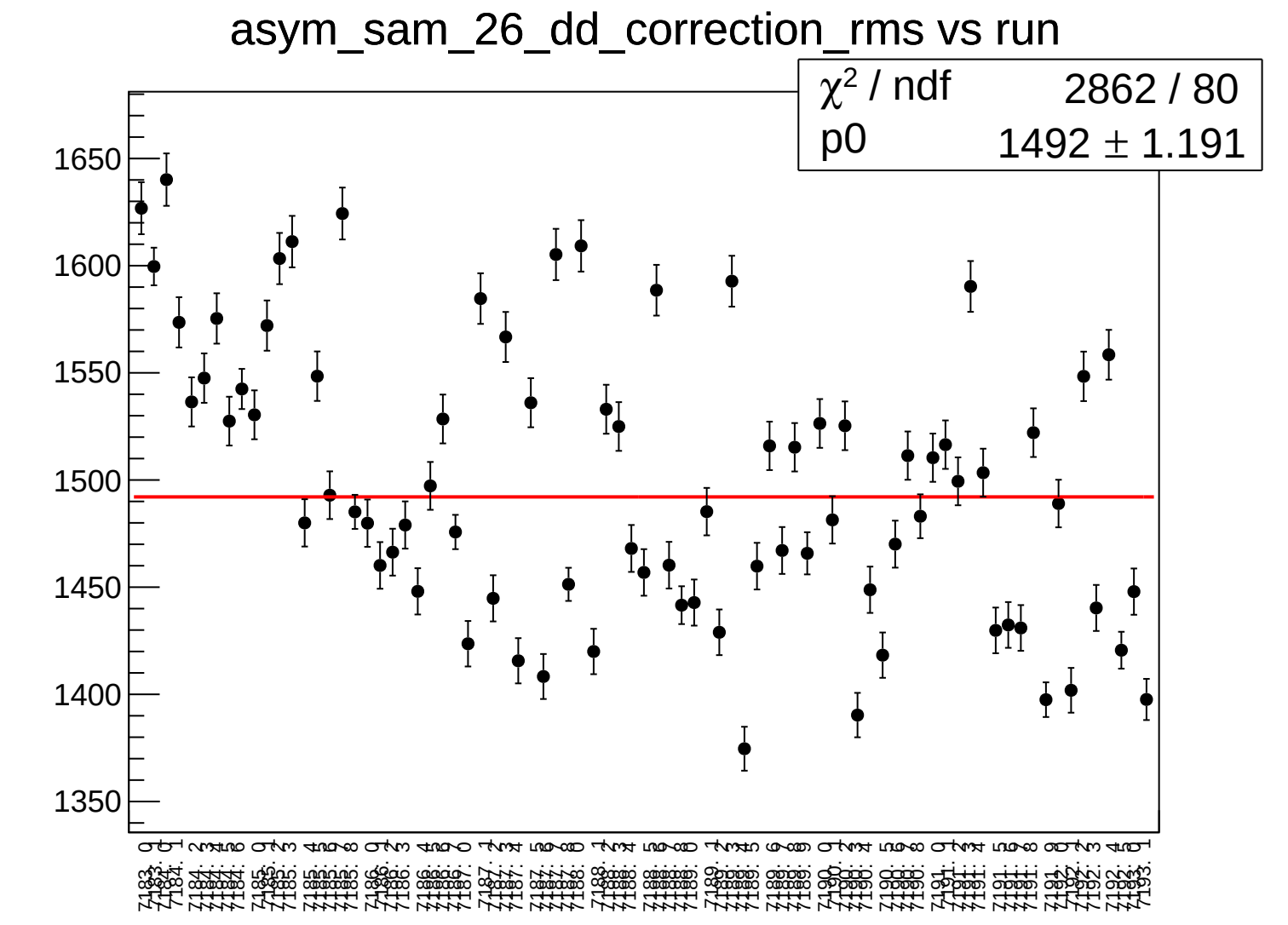

dit_asym_sam_26_dd_mean vs run
χ² / ndf 99.87 / 80
p0 64.92 ± 235
pull
Entries 81
Mean 260.8
Std Dev 175.3

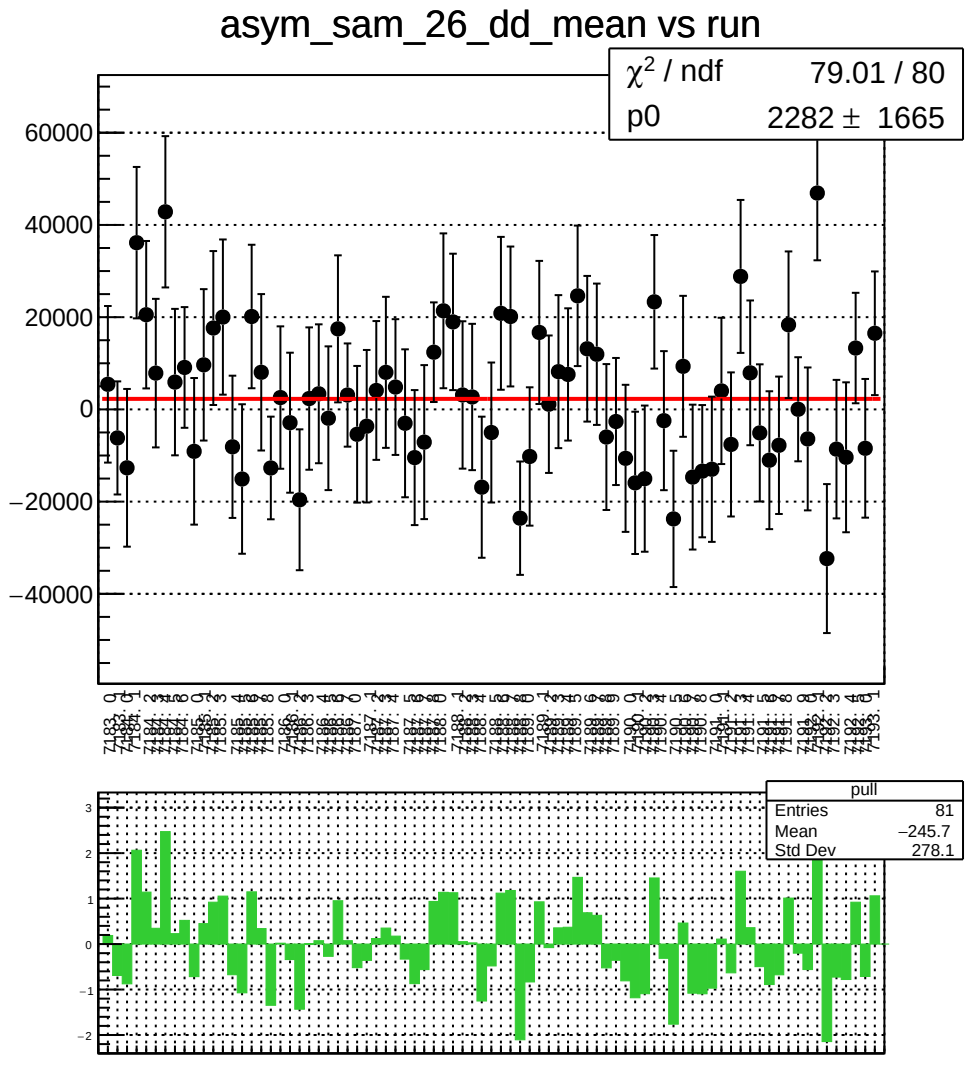

pull1D
Entries 81
Mean −0.004458
Std Dev 1.11

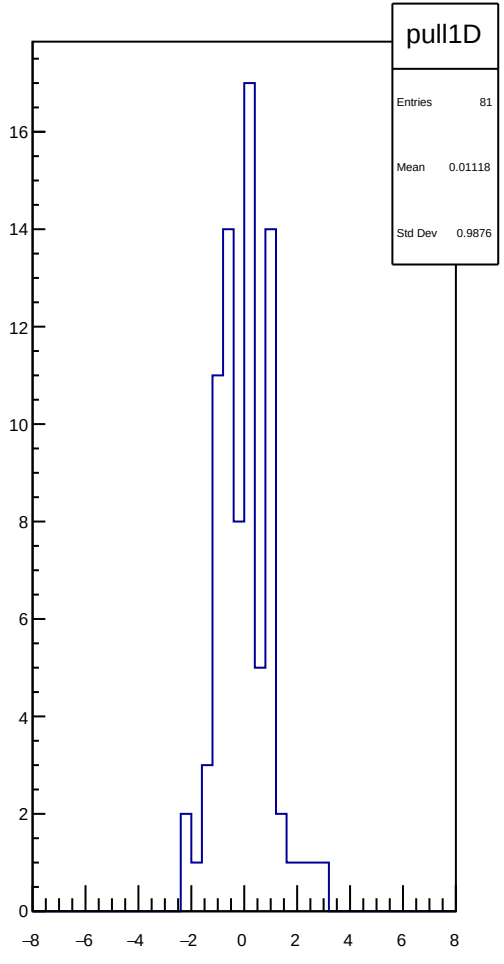

dit_asym_sam_26_dd_rms vs run
χ² / ndf 271 / 80
p0 208.4 ± 0.1662
218
216
214
212
210
208
206
204
202

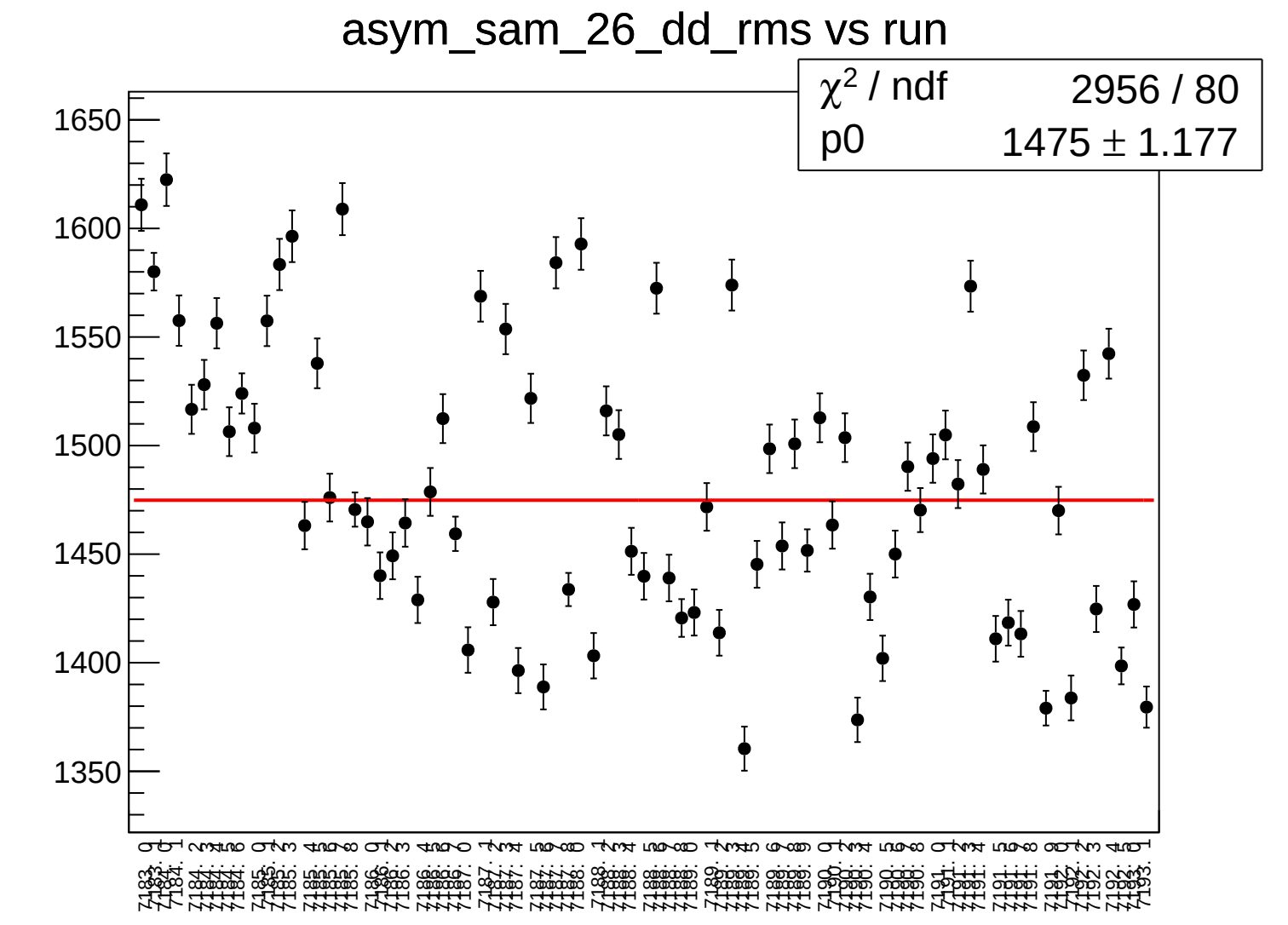

asym_sam_26_dd_correction_mean vs run
χ² / ndf 84.64 / 80
p0 −2210 ± 1684
pull
Entries 81
Mean −213
Std Dev 243.1

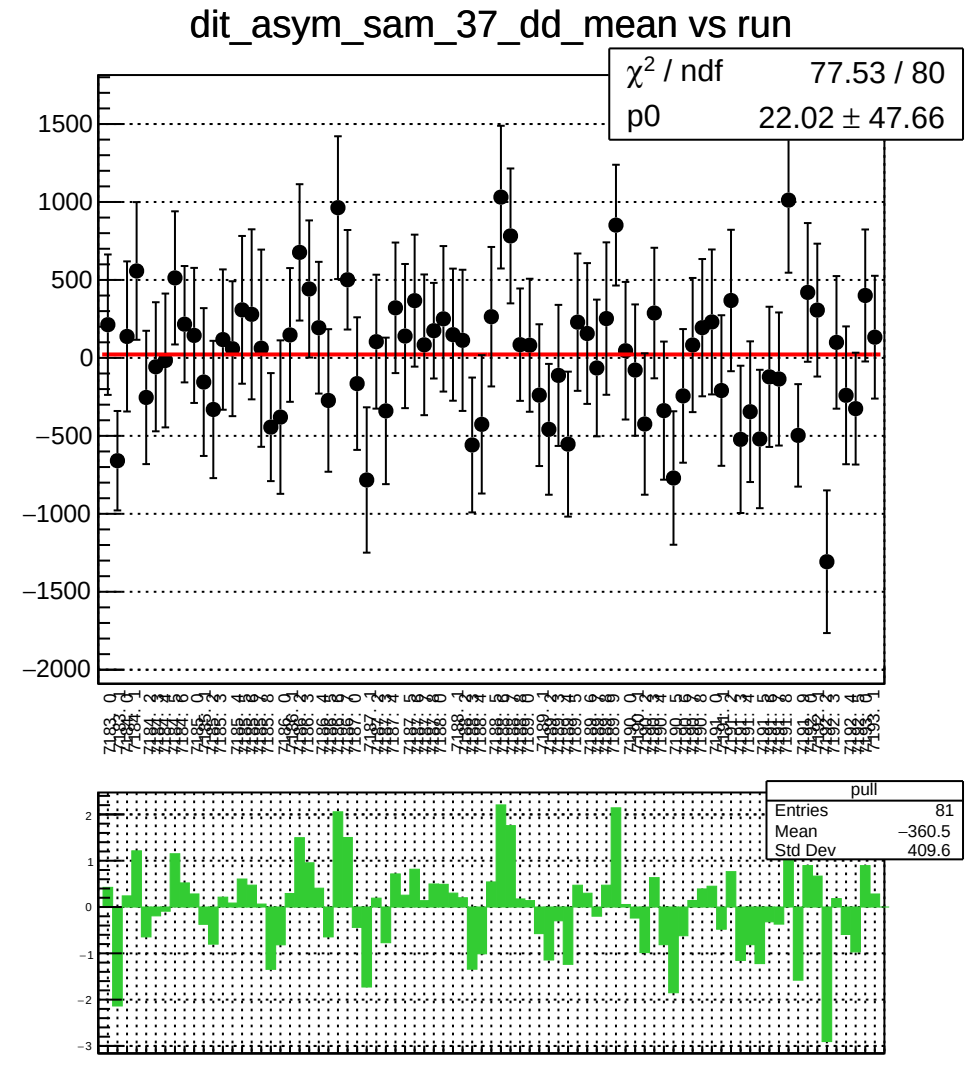

pull1D
Entries 81
Mean −0.01196
Std Dev 1.022

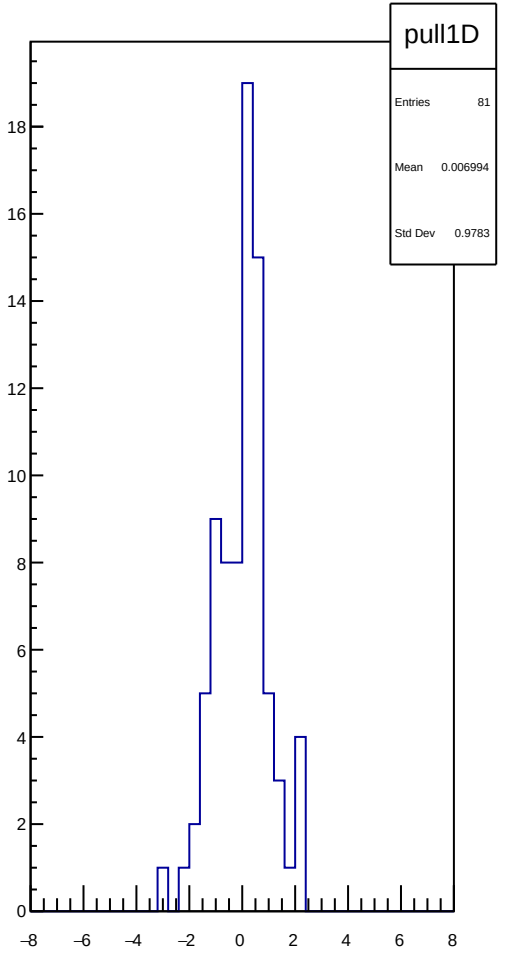

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2862 / 80
p0 1492 ± 1.191
1650
1600
1550
1500
1450
1400
1350

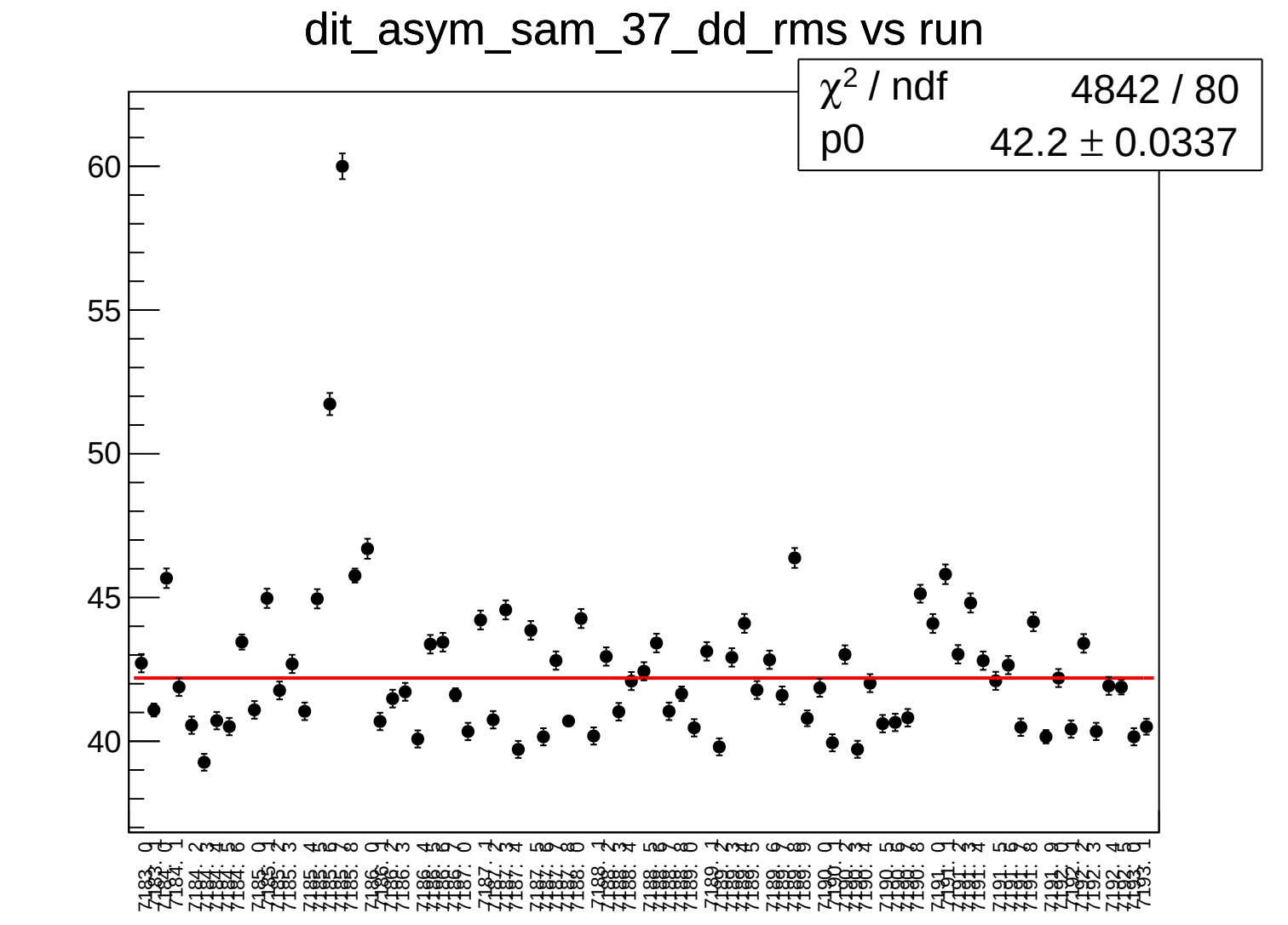

asym_sam_26_dd_mean vs run
χ² / ndf 79.01 / 80
p0 2282 ± 1665
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −245.7
Std Dev 278.1
3
2
1
0
−1
−2

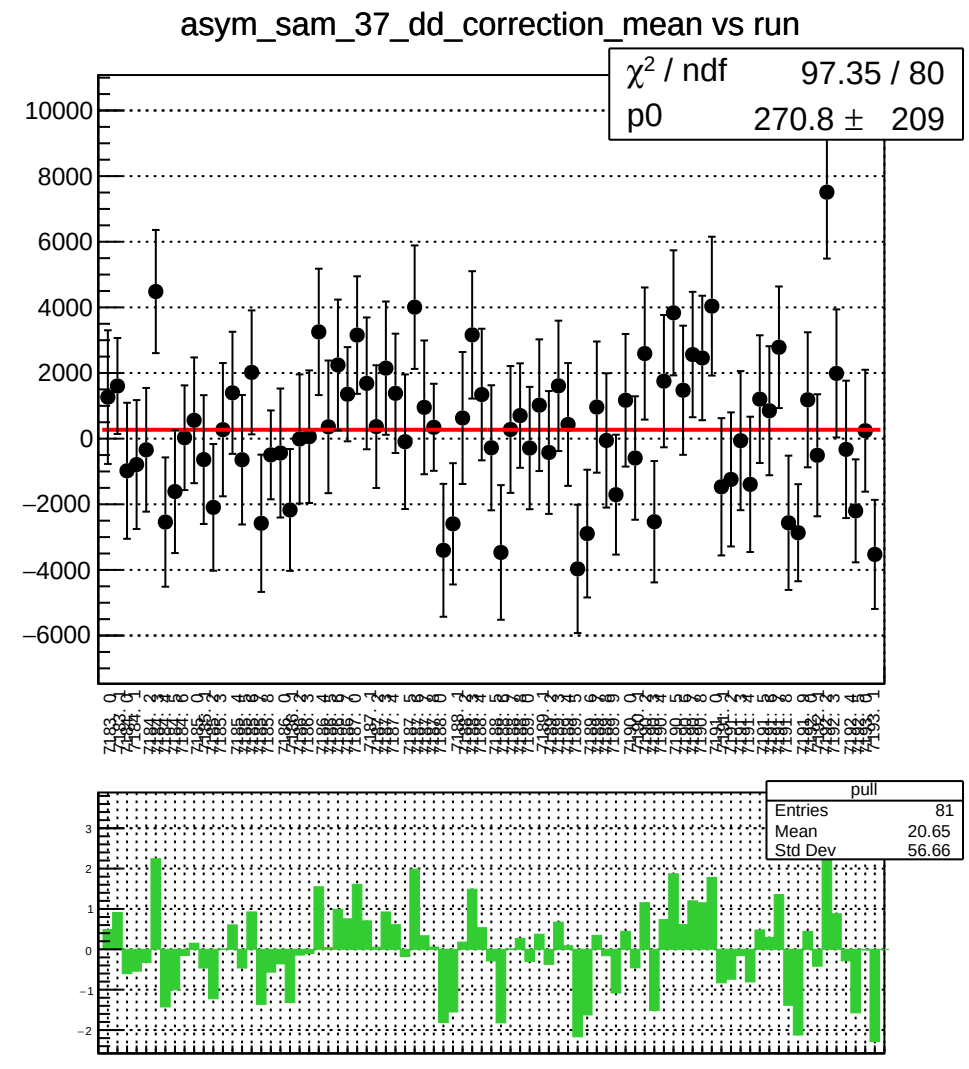

pull1D
Entries 81
Mean 0.01118
Std Dev 0.9876
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

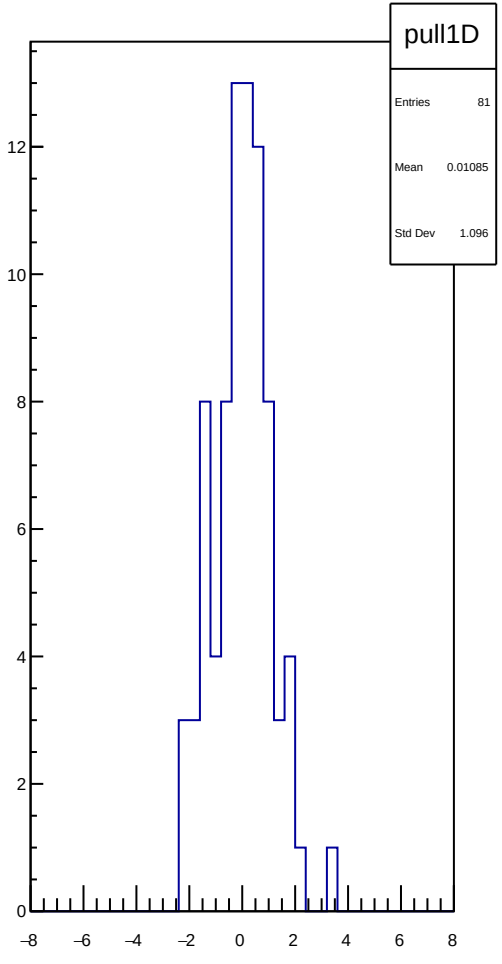

asym_sam_26_dd_rms vs run
χ² / ndf 2956 / 80
p0 1475 ± 1.177
1650
1600
1550
1500
1450
1400
1350

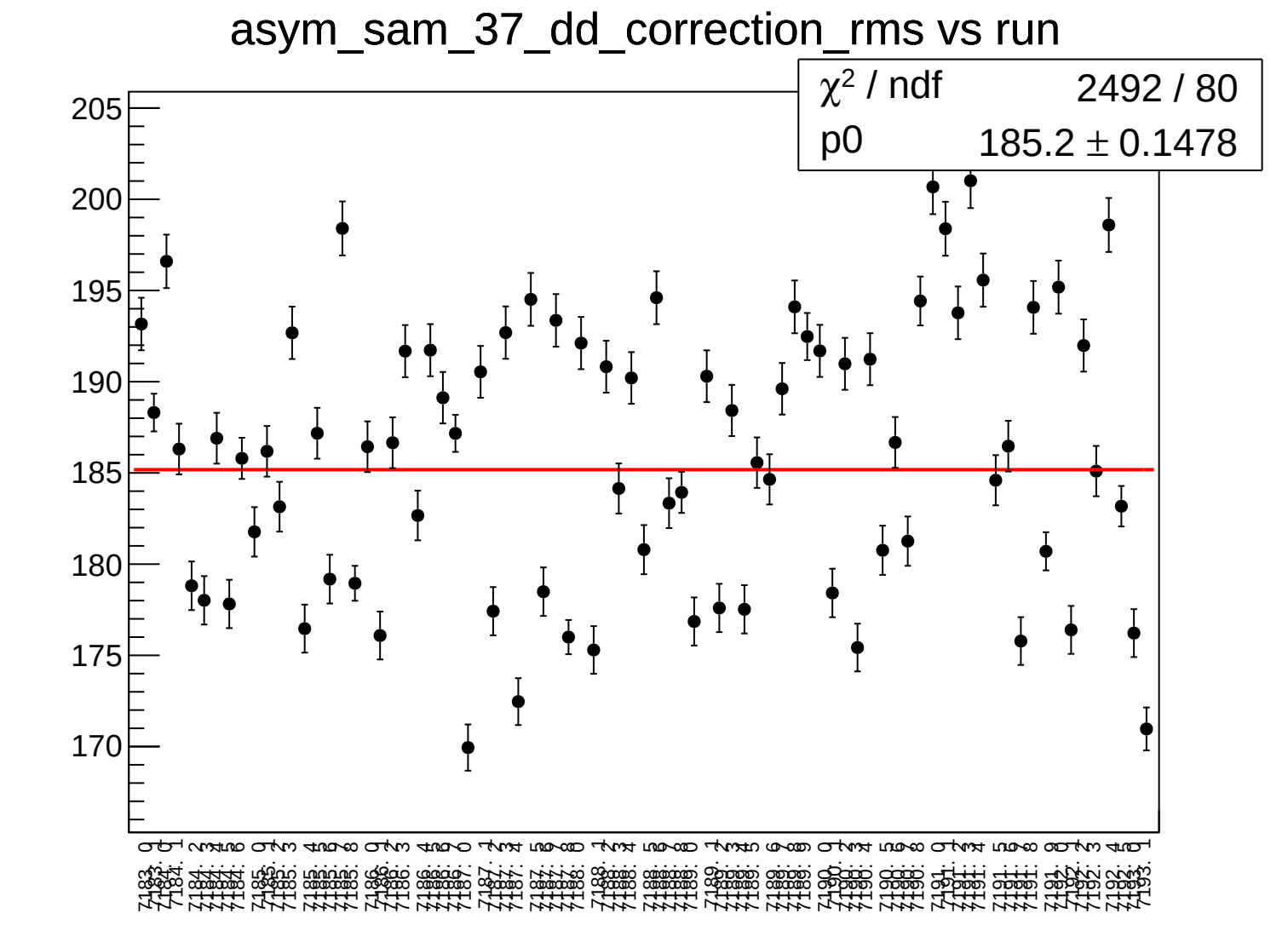

dit_asym_sam_37_dd_mean vs run
χ² / ndf 77.53 / 80
p0 22.02 ± 47.66
pull
Entries 81
Mean −360.5
Std Dev 409.6

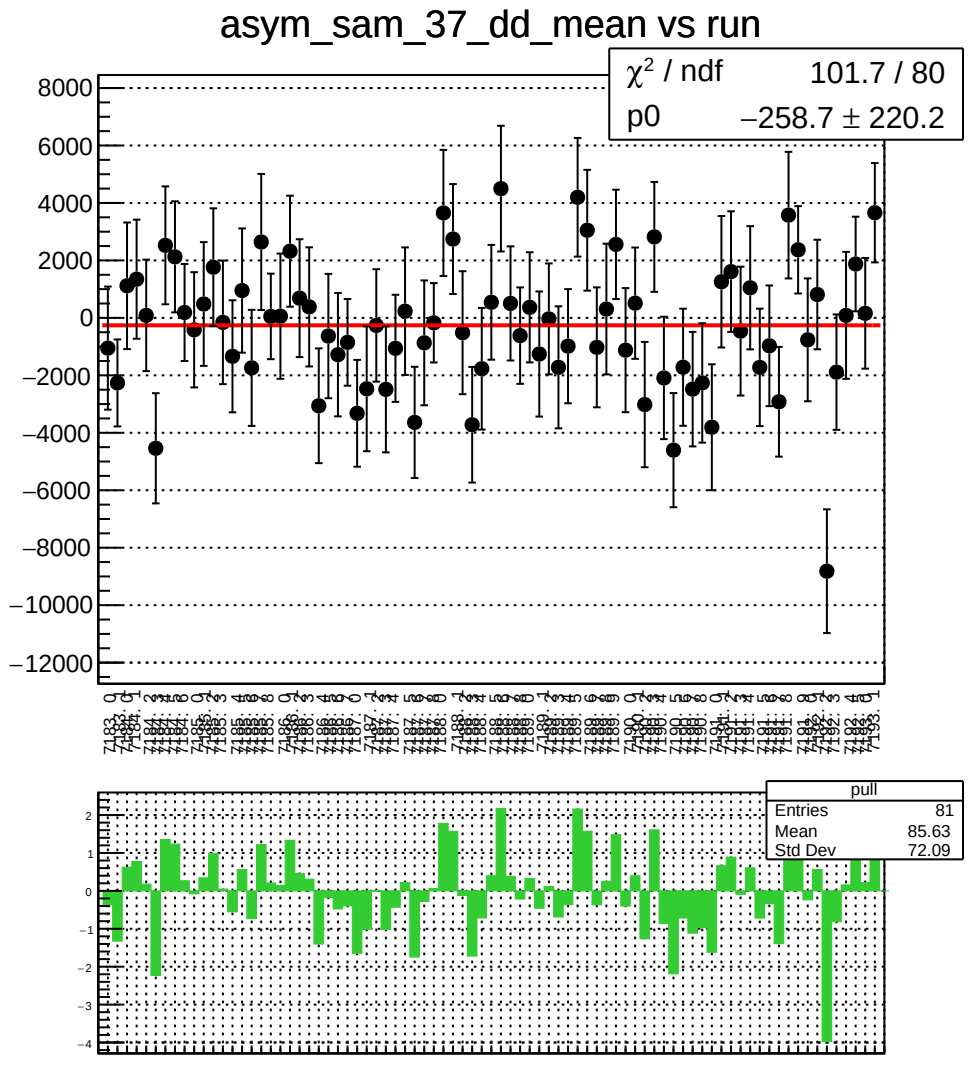

pull1D
Entries 81
Mean 0.006994
Std Dev 0.9783

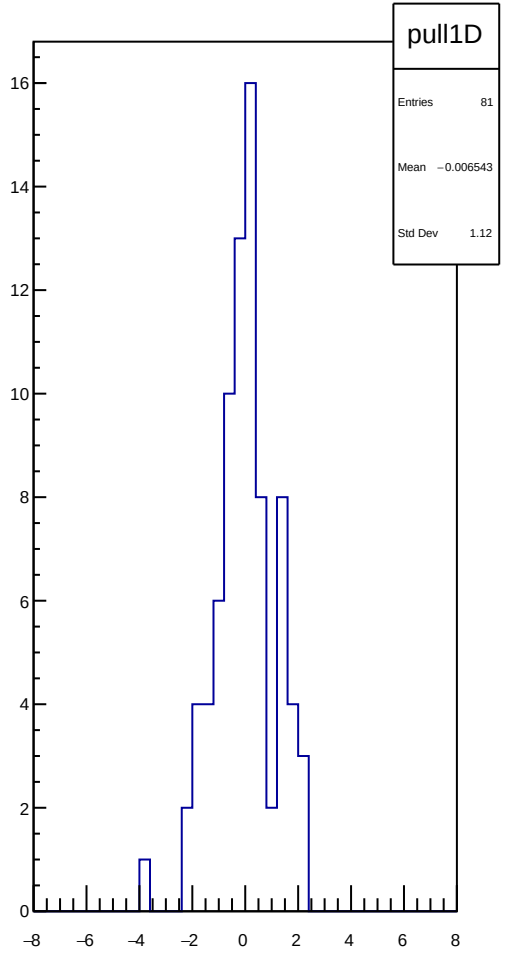

dit_asym_sam_37_dd_rms vs run
χ² / ndf 4842 / 80
p0 42.2 ± 0.0337
60
55
50
45
40

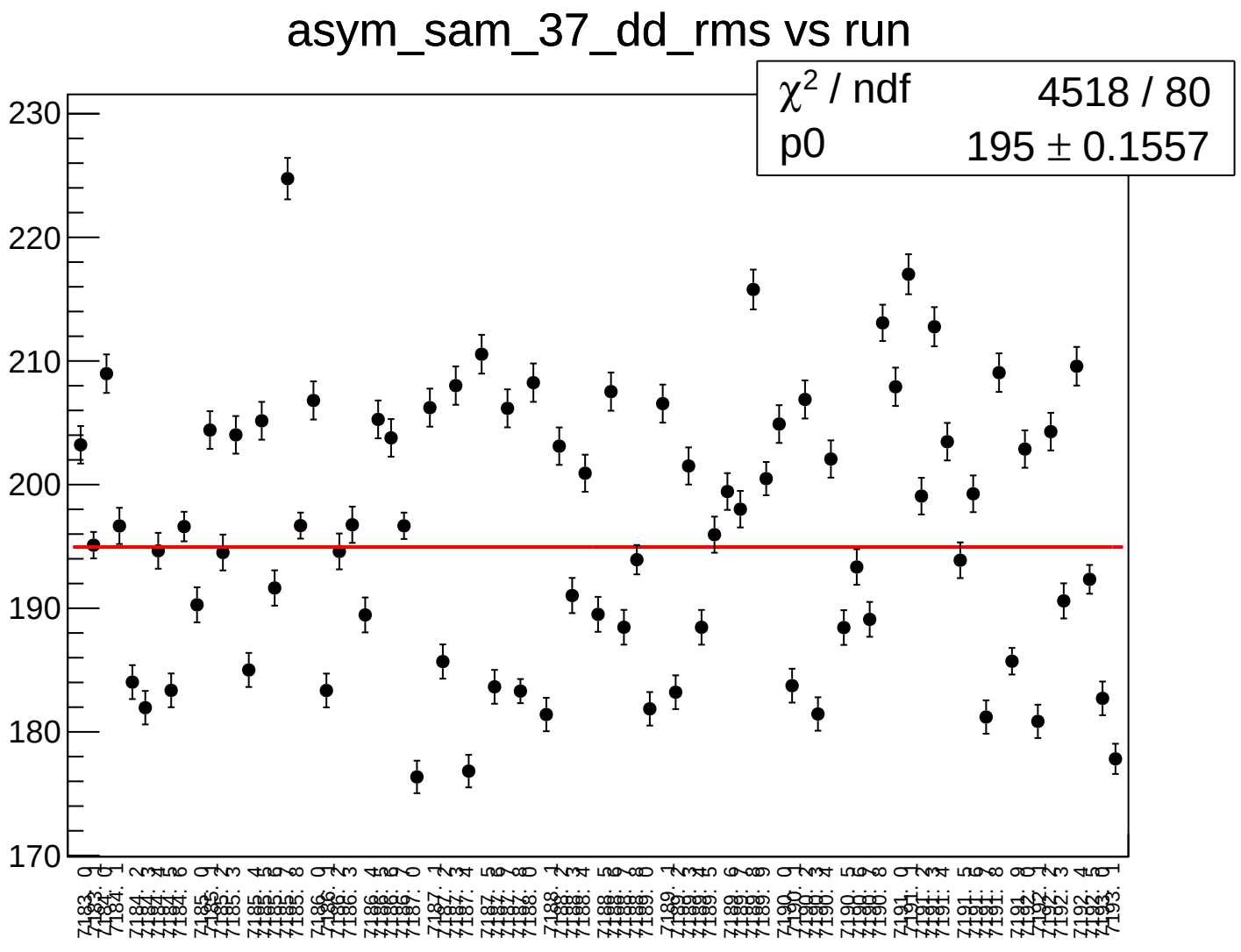

asym_sam_37_dd_correction_mean vs run
χ² / ndf 97.35 / 80
p0 270.8 ± 209
pull
Entries 81
Mean 20.65
Std Dev 56.66

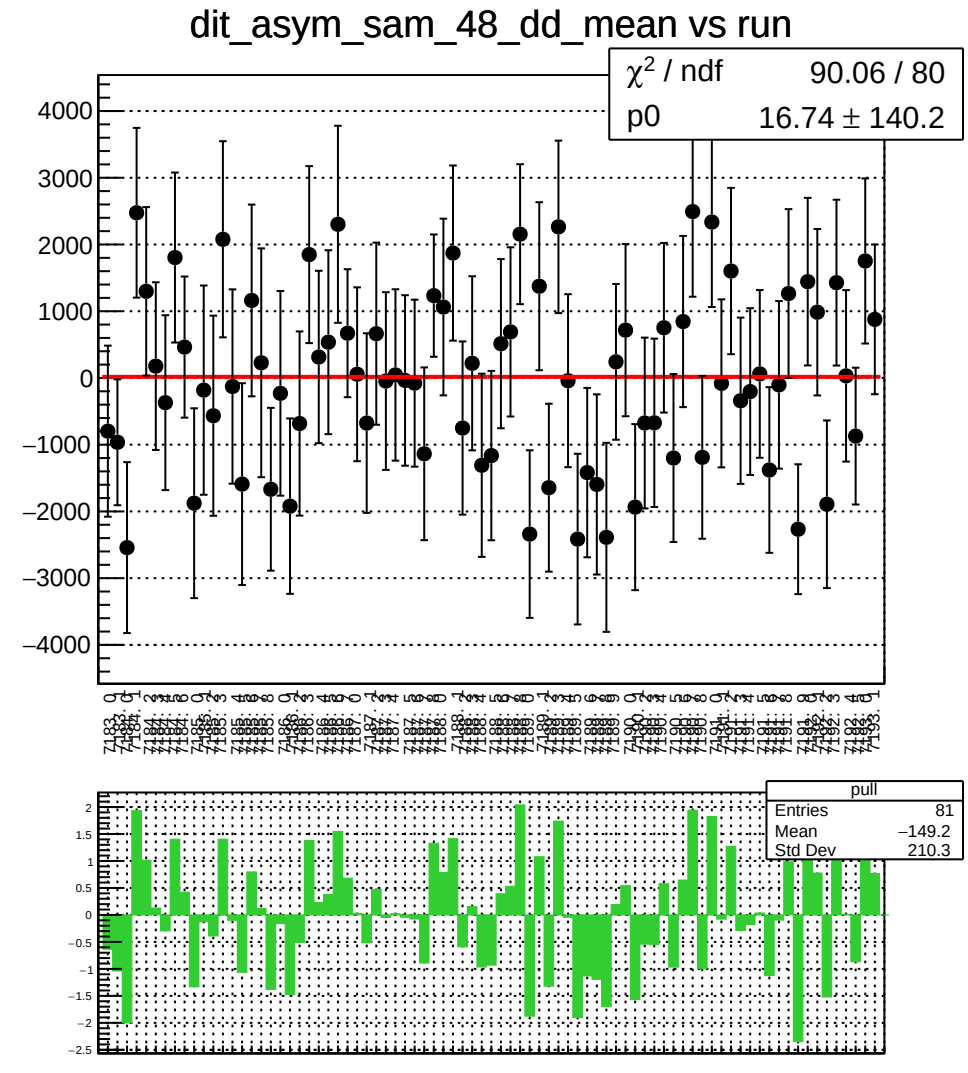

pull1D
Entries 81
Mean 0.01085
Std Dev 1.096

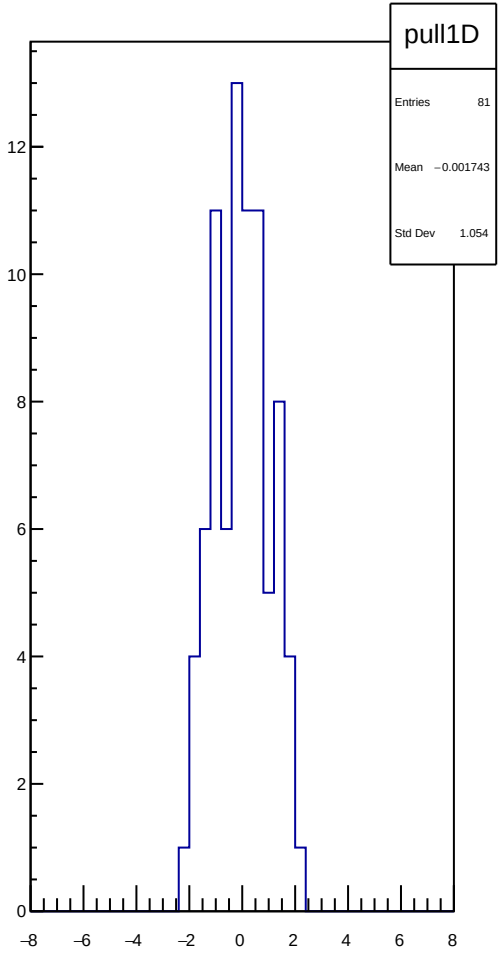

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2492 / 80
p0 185.2 ± 0.1478
205
200
195
190
185
180
175
170

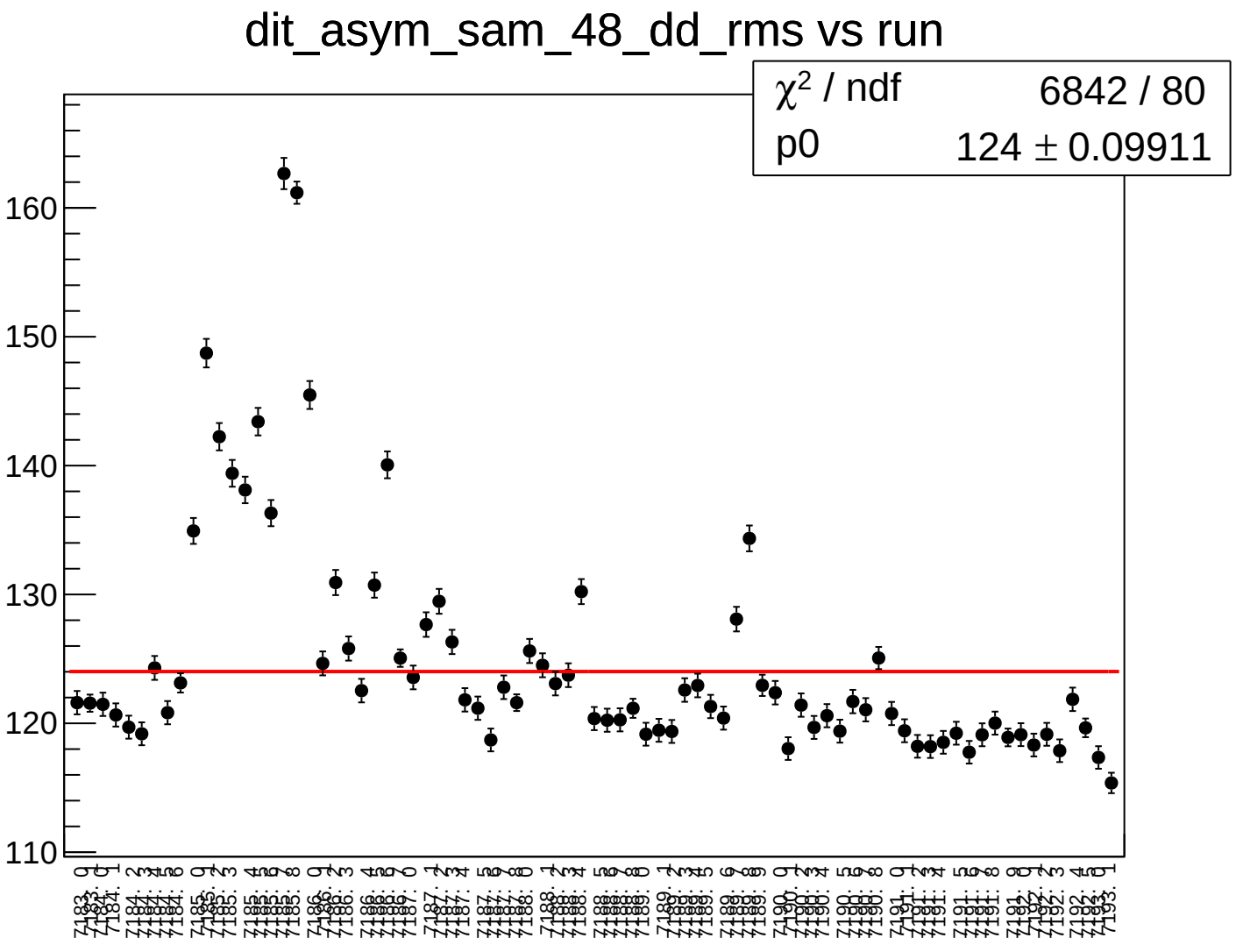

asym_sam_37_dd_mean vs run
χ² / ndf 101.7 / 80
p0 −258.7 ± 220.2
pull
Entries 81
Mean 85.63
Std Dev 72.09

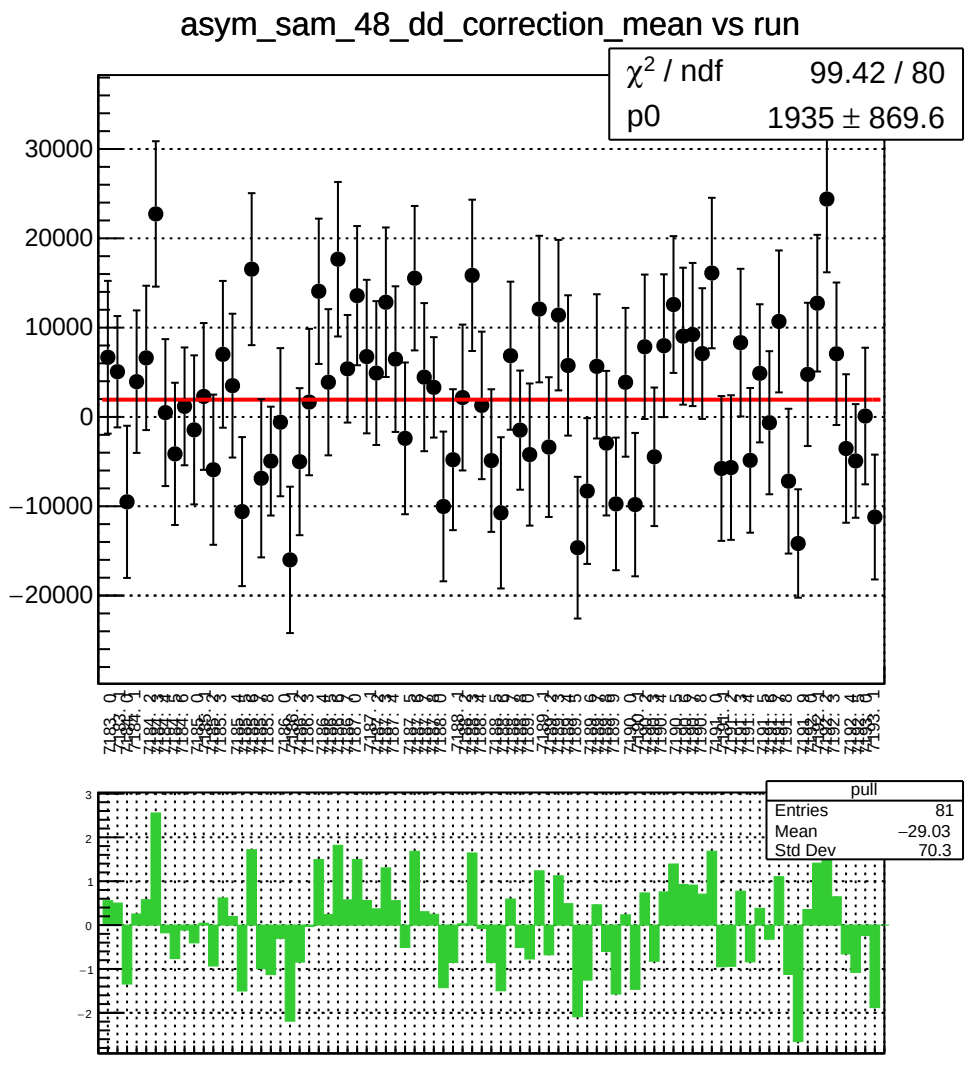

pull1D
Entries 81
Mean −0.006543
Std Dev 1.12

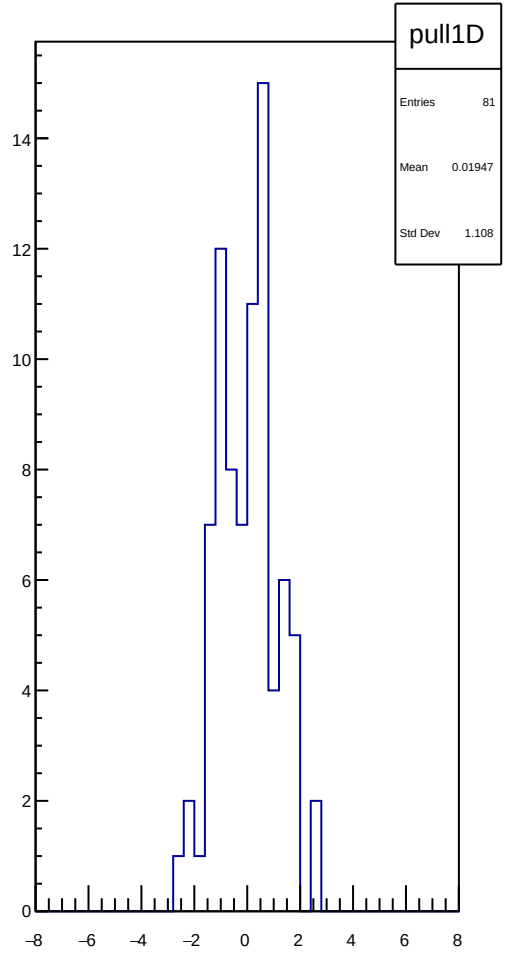

asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 4518 / 80
p0 195 ± 0.1557
230
220
210
200
190
180
170

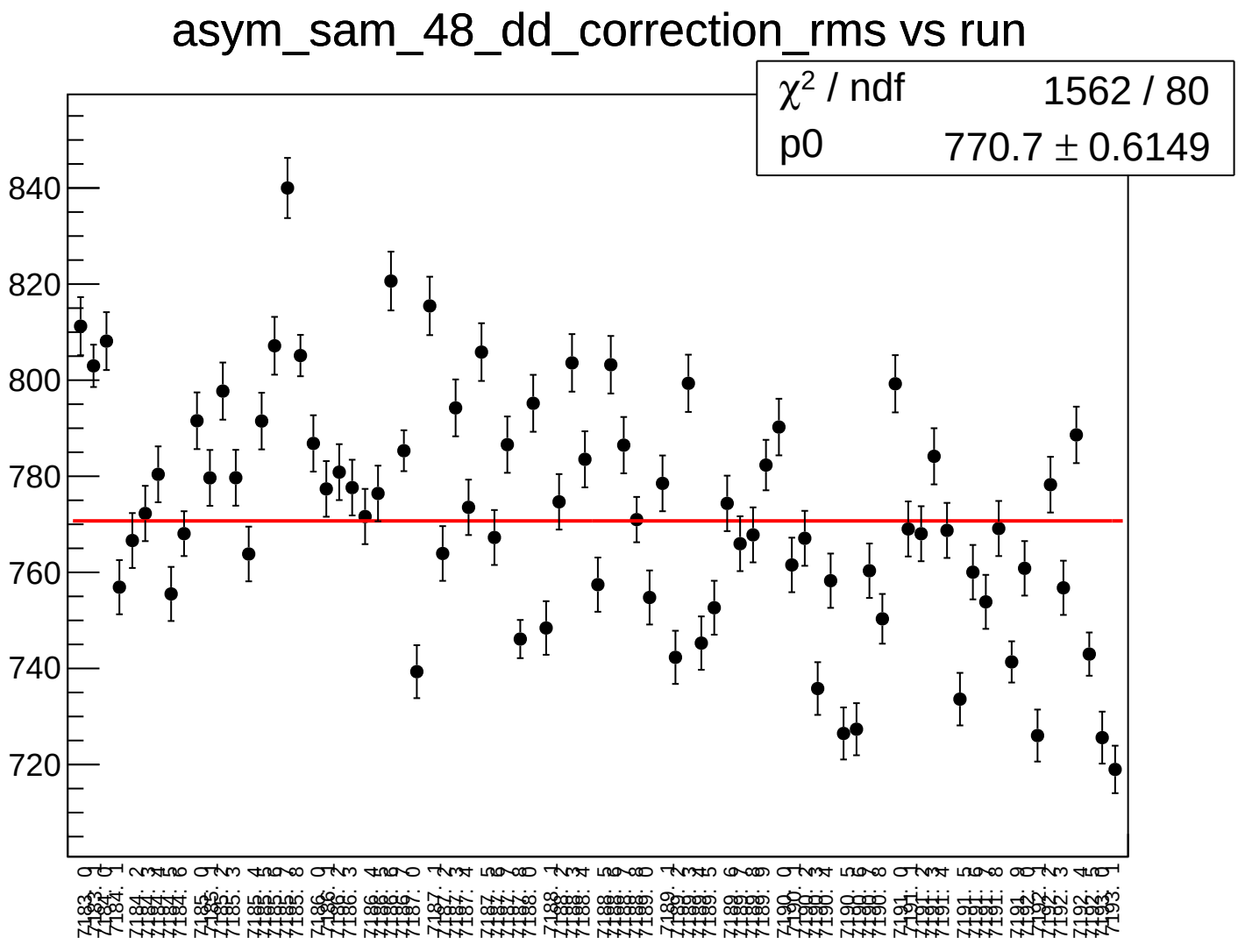

dit_asym_sam_48_dd_mean vs run
χ² / ndf 90.06 / 80
p0 16.74 ± 140.2
pull
Entries 81
Mean −149.2
Std Dev 210.3

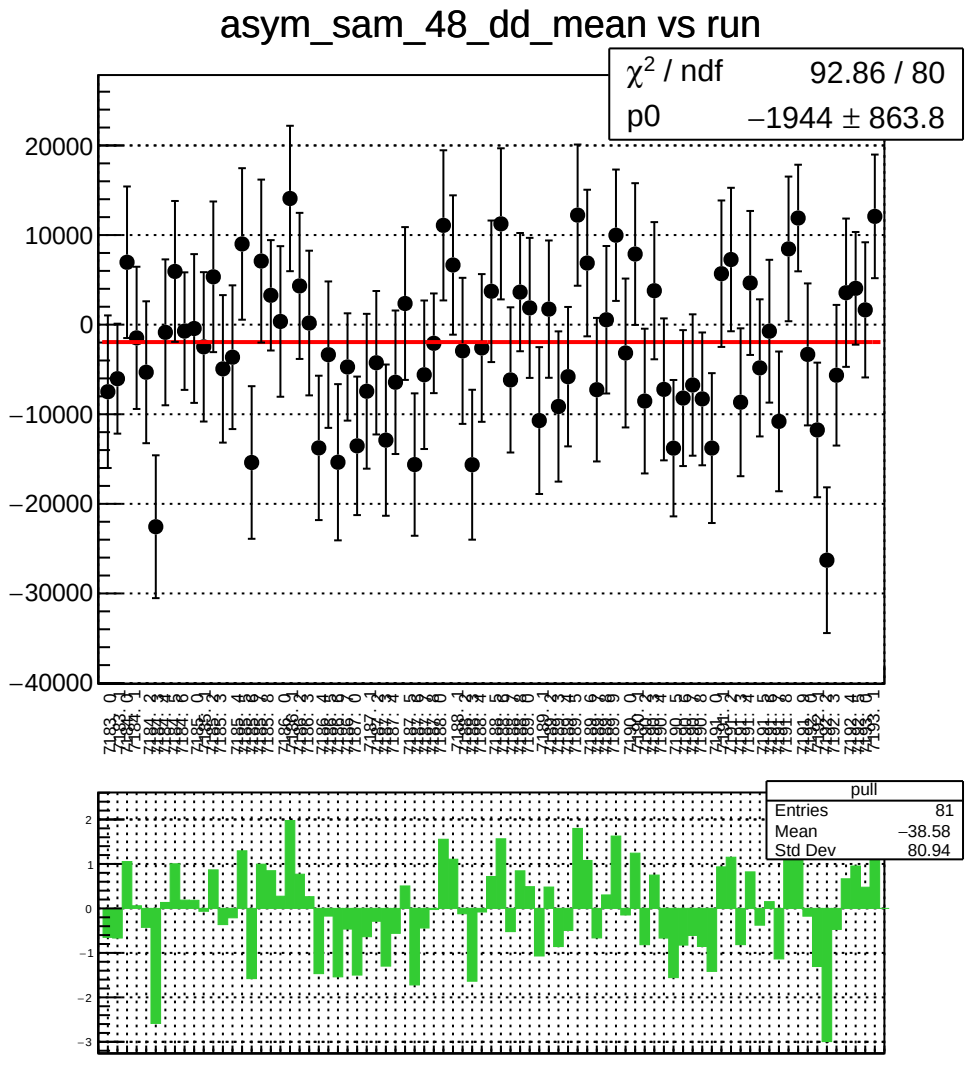

pull1D
Entries 81
Mean −0.001743
Std Dev 1.054

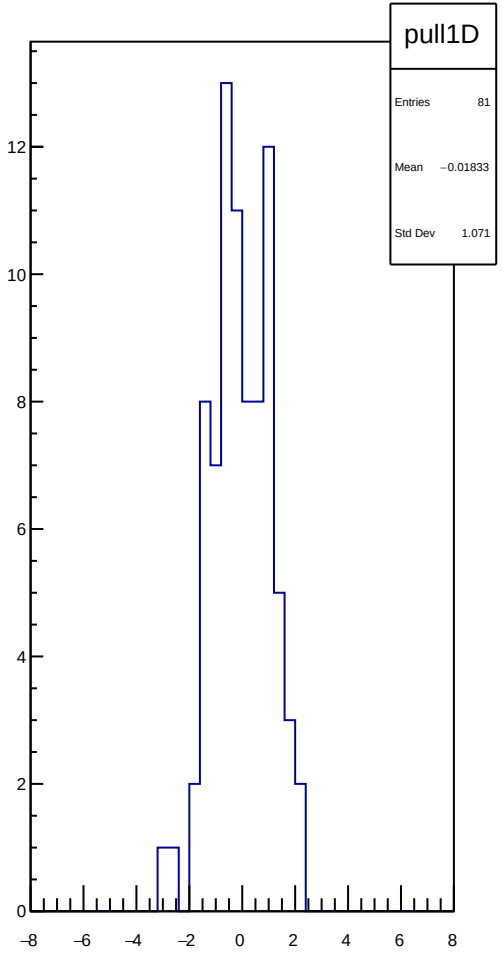

dit_asym_sam_48_dd_rms vs run
χ² / ndf 6842 / 80
p0 124 ± 0.09911
160
150
140
130
120
110

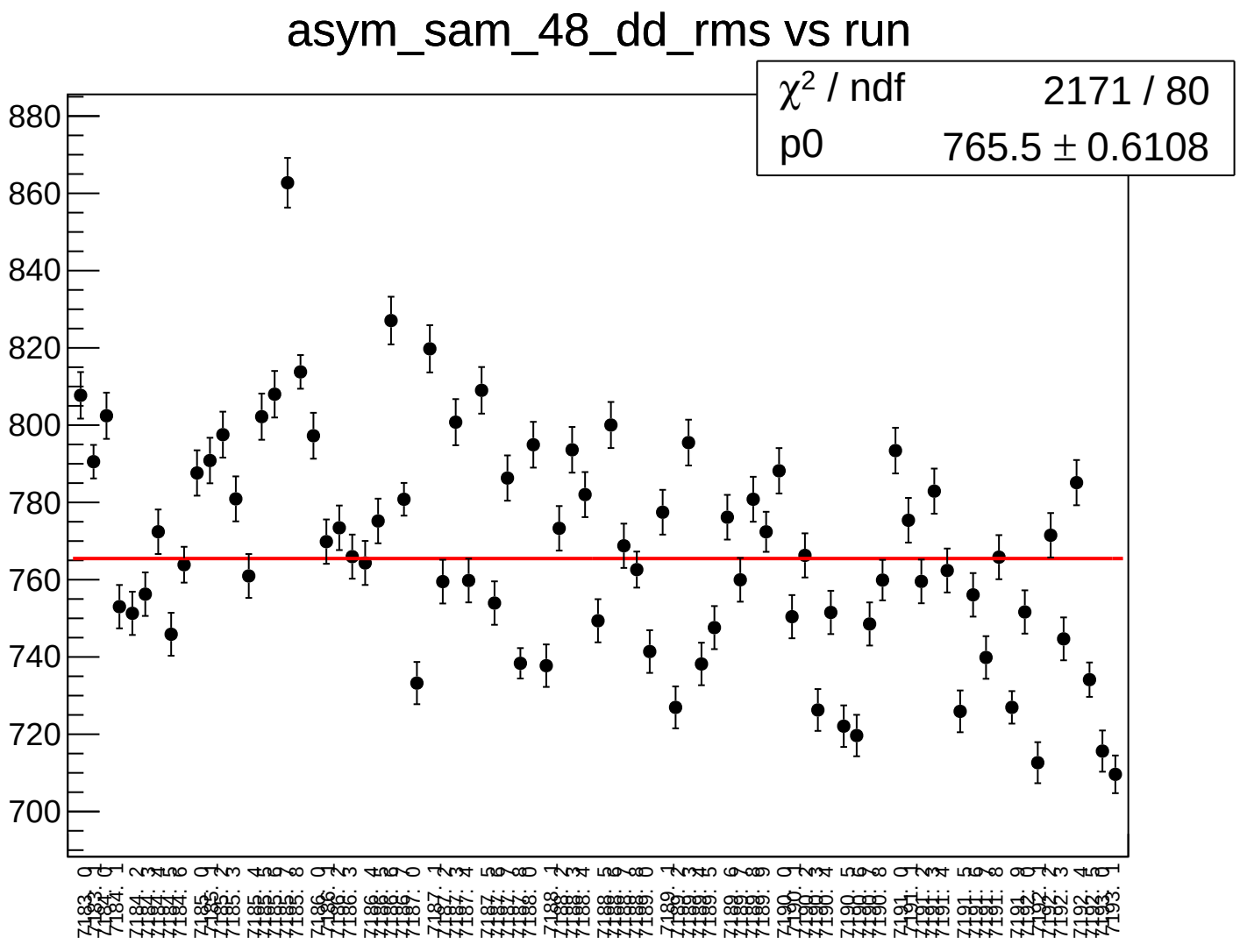

asym_sam_48_dd_correction_mean vs run
χ² / ndf 99.42 / 80
p0 1935 ± 869.6
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −29.03
Std Dev 70.3
3
2
1
0
−1
−2

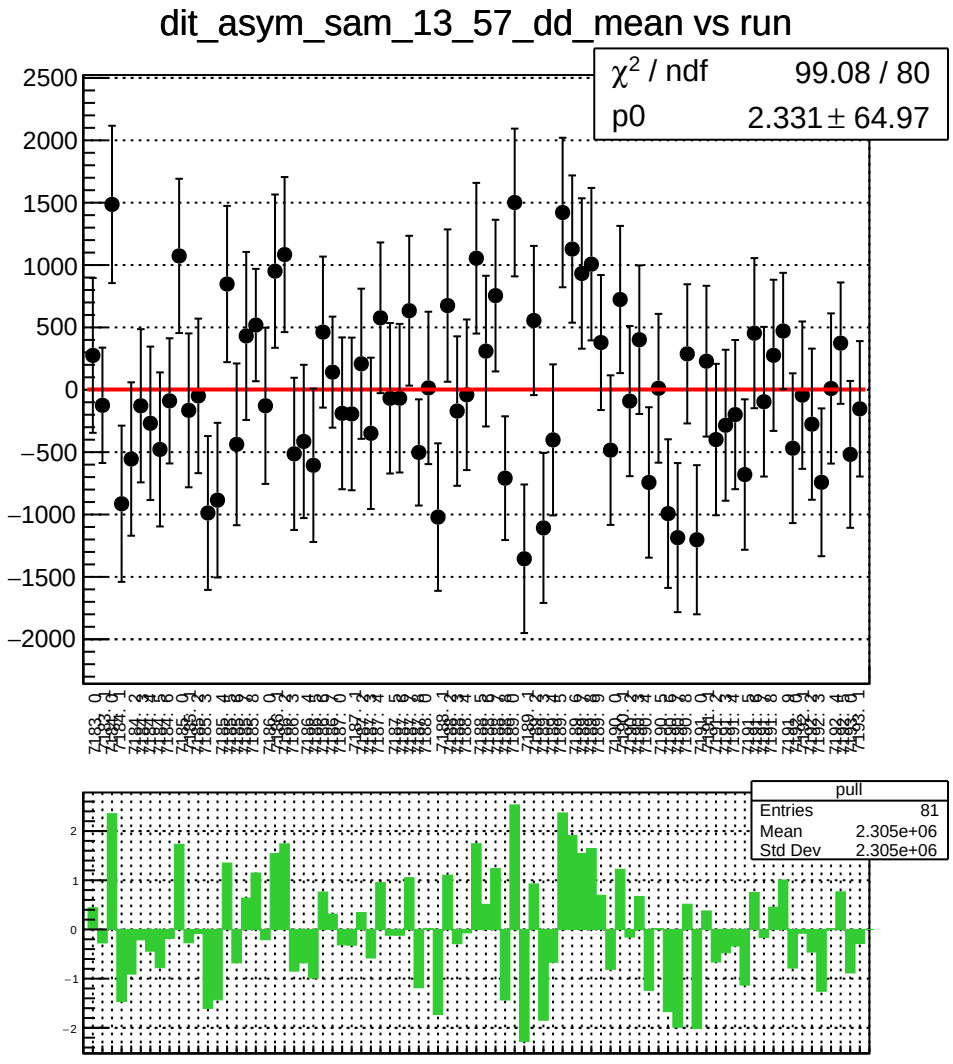

pull1D
Entries 81
Mean 0.01947
Std Dev 1.108
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

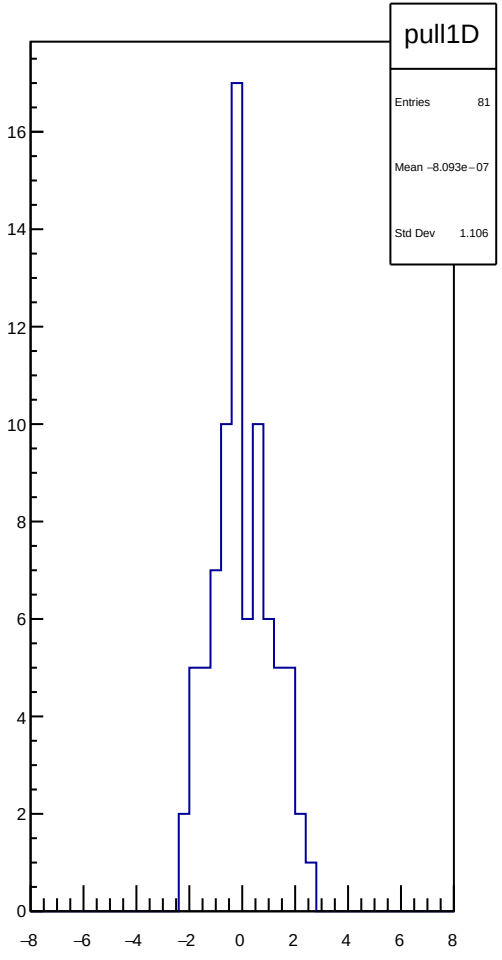

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1562 / 80
p0 770.7 ± 0.6149
840
820
800
780
760
740
720

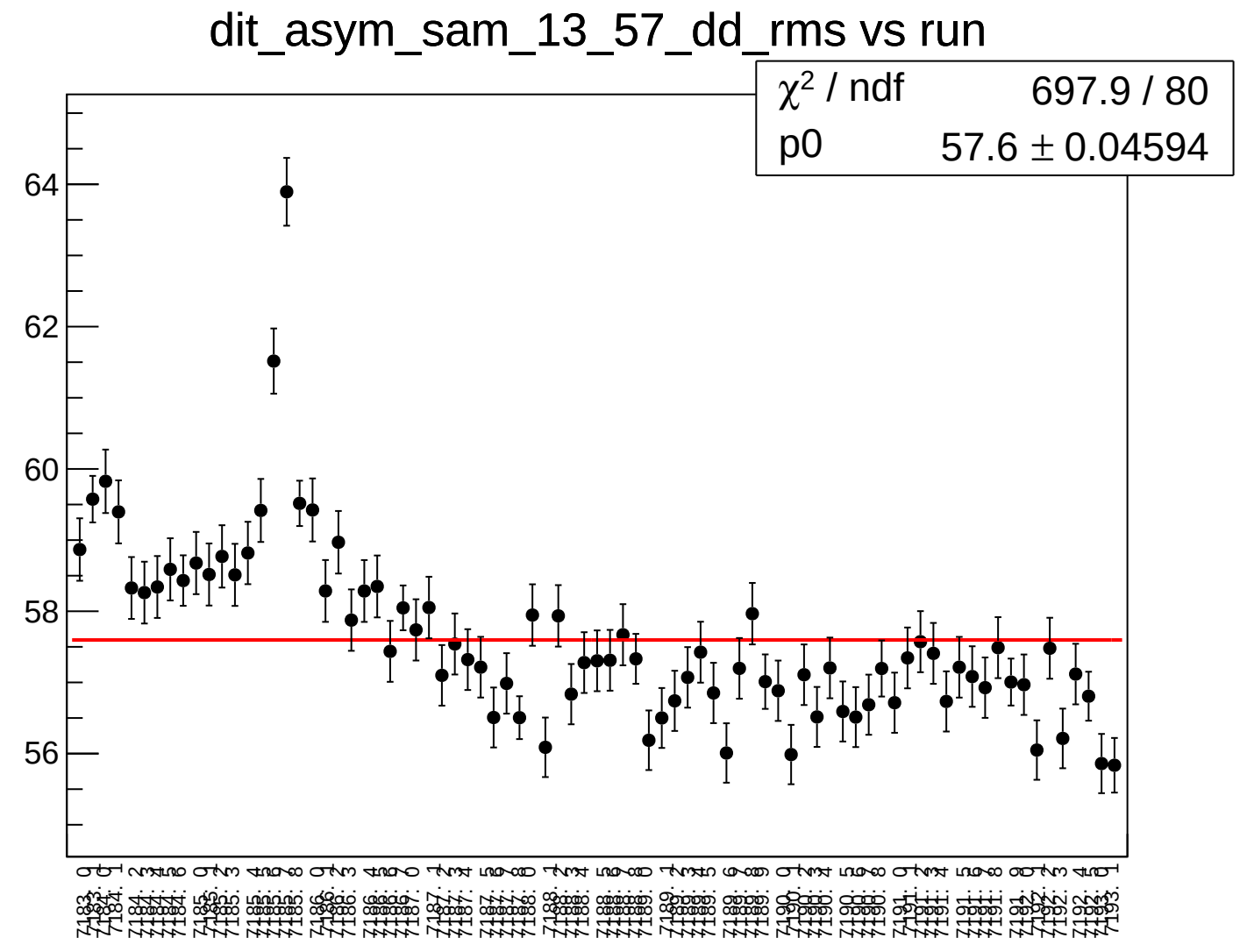

asym_sam_48_dd_mean vs run
χ² / ndf 92.86 / 80
p0 −1944 ± 863.8
pull
Entries 81
Mean −38.58
Std Dev 80.94

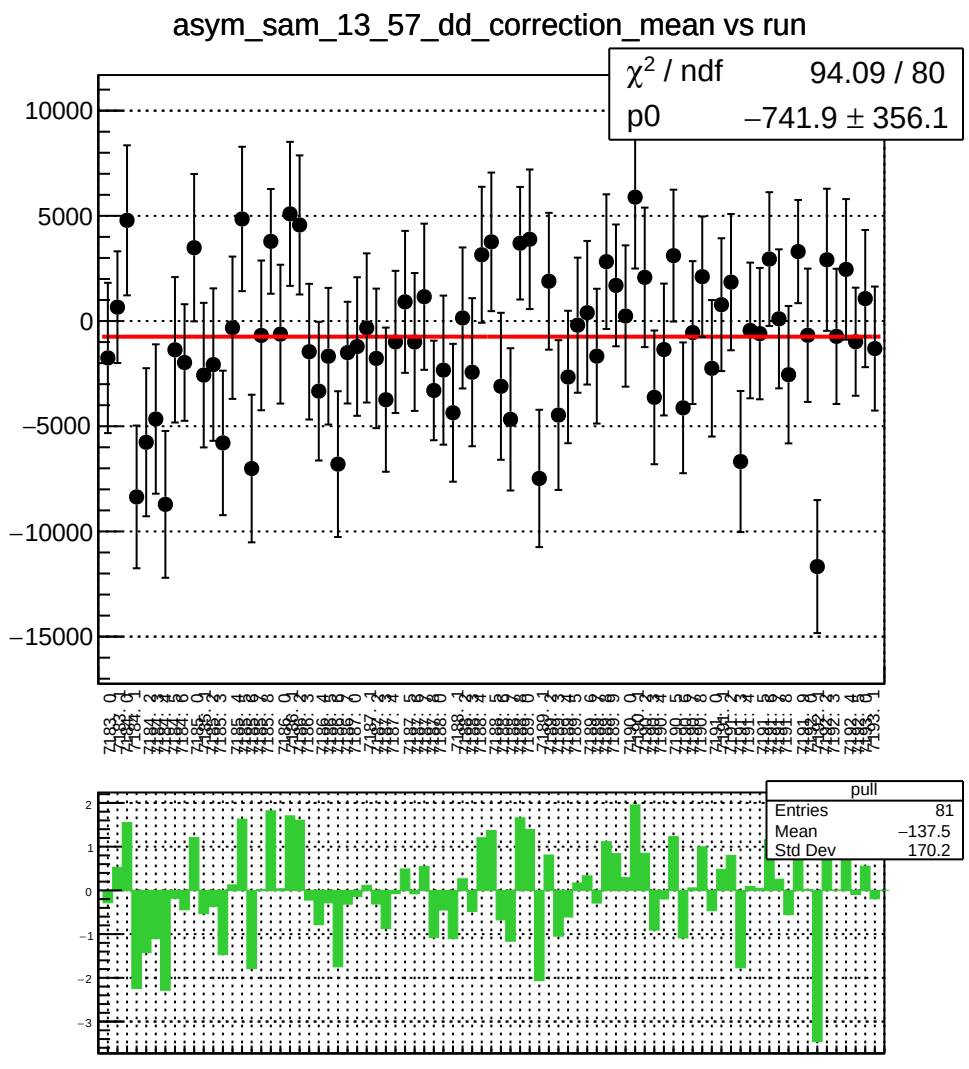

pull1D
Entries 81
Mean −0.01833
Std Dev 1.071

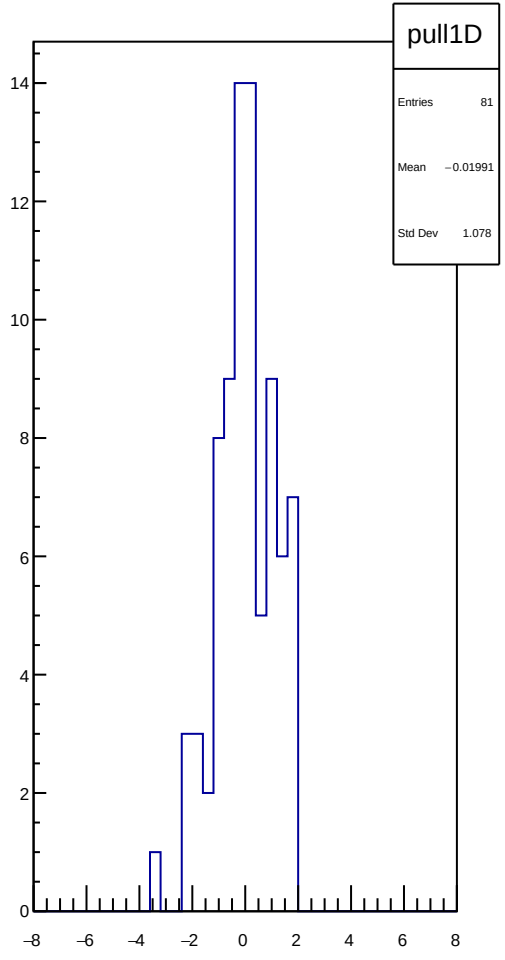

asym_sam_48_dd_rms vs run
χ² / ndf 2171 / 80
p0 765.5 ± 0.6108
880
860
840
820
800
780
760
740
720
700

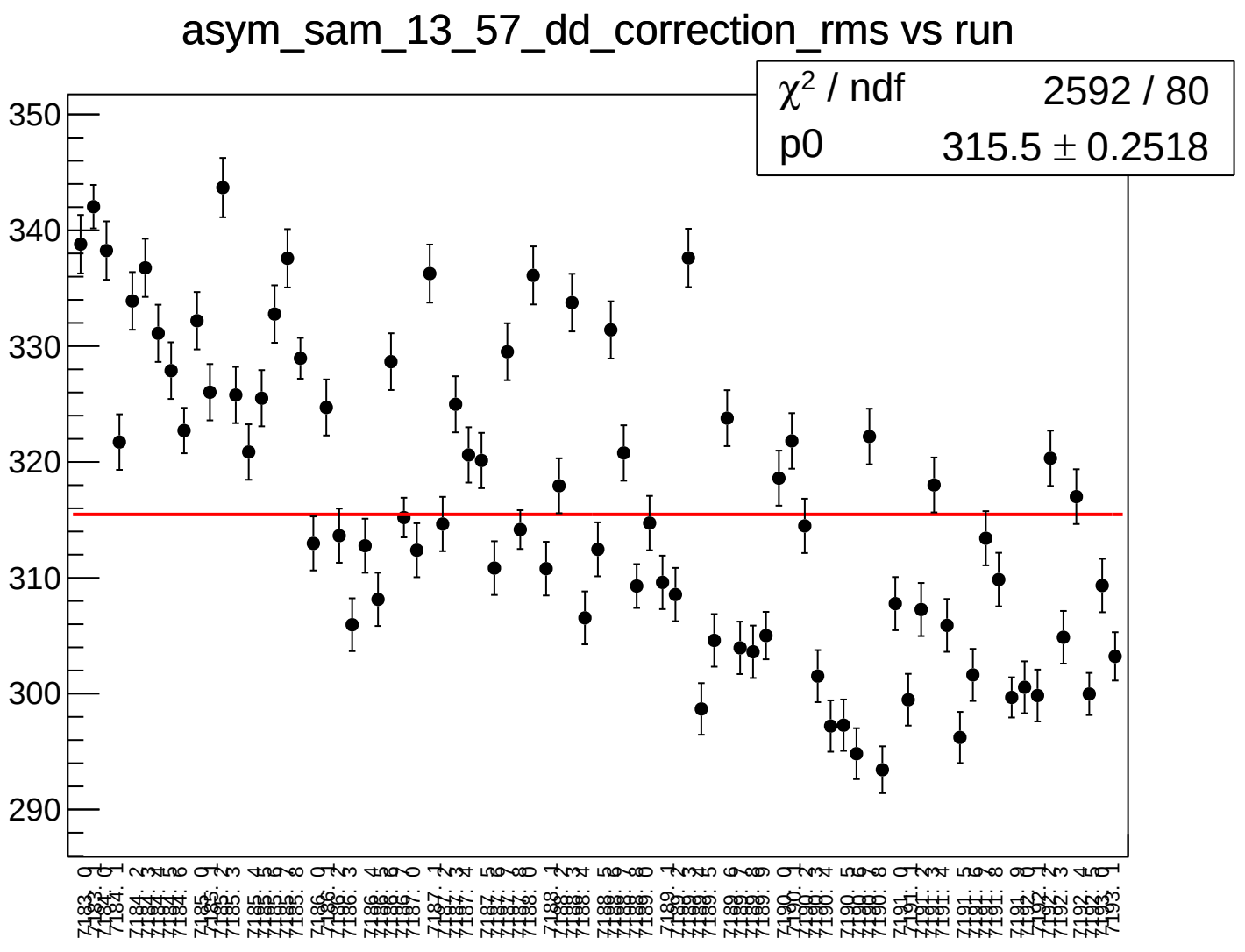

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 99.08 / 80
p0 2.331 ± 64.97
pull
Entries 81
Mean 2.305e+06
Std Dev 2.305e+06

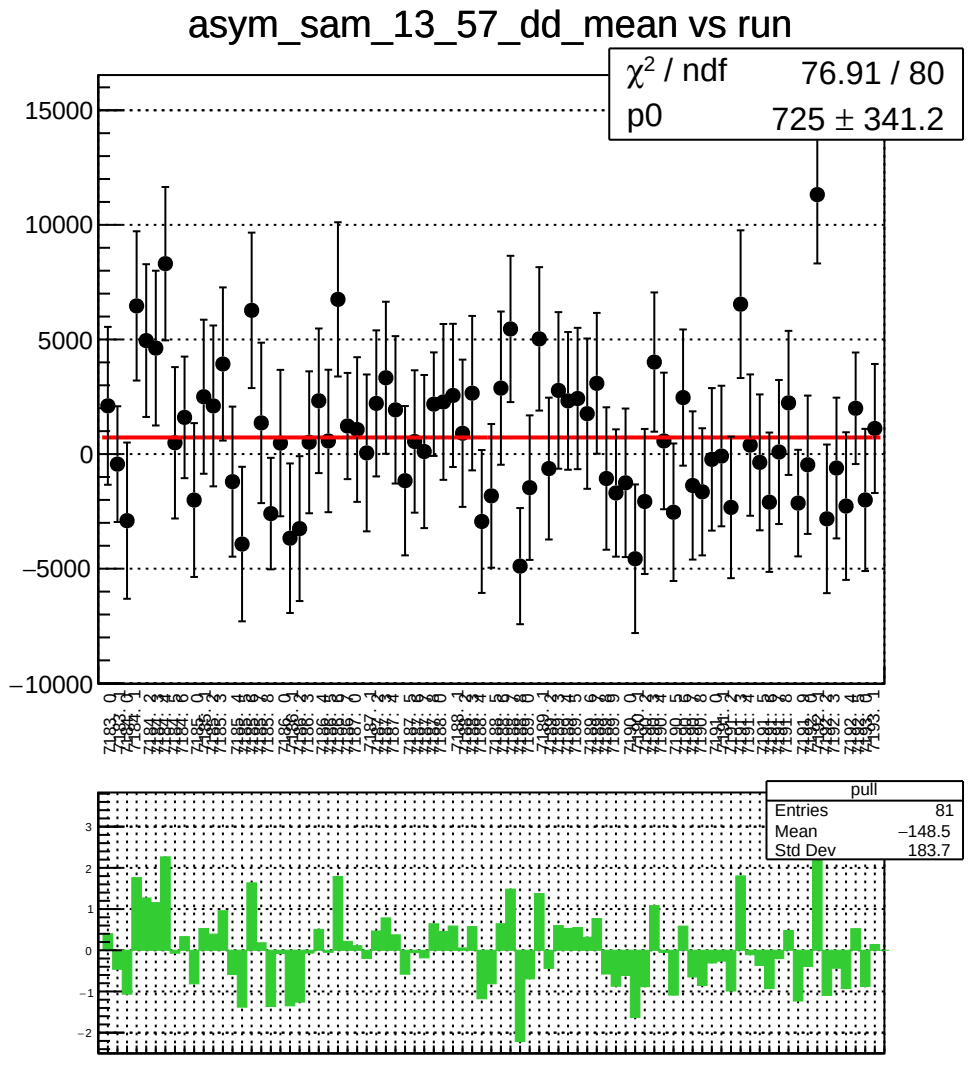

pull1D
Entries 81
Mean −8.093e−07
Std Dev 1.106

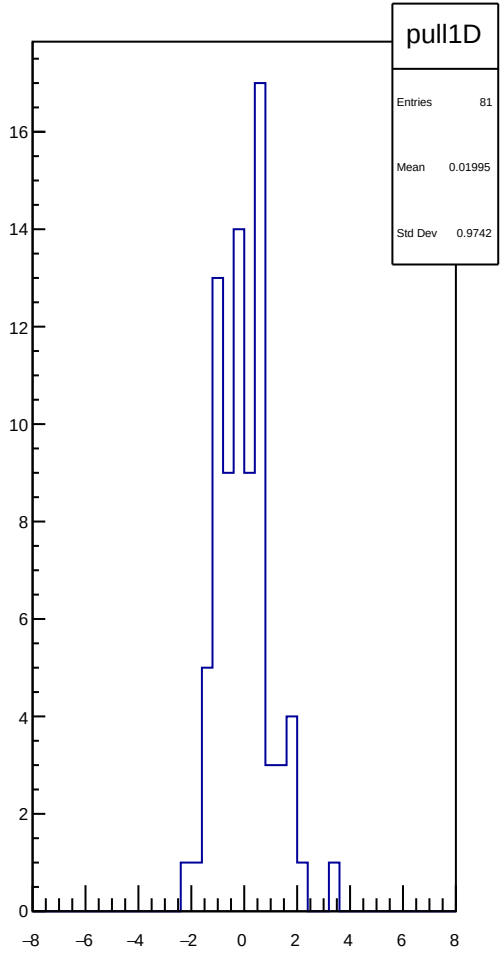

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 697.9 / 80
p0 57.6 ± 0.04594
64
62
60
58
56

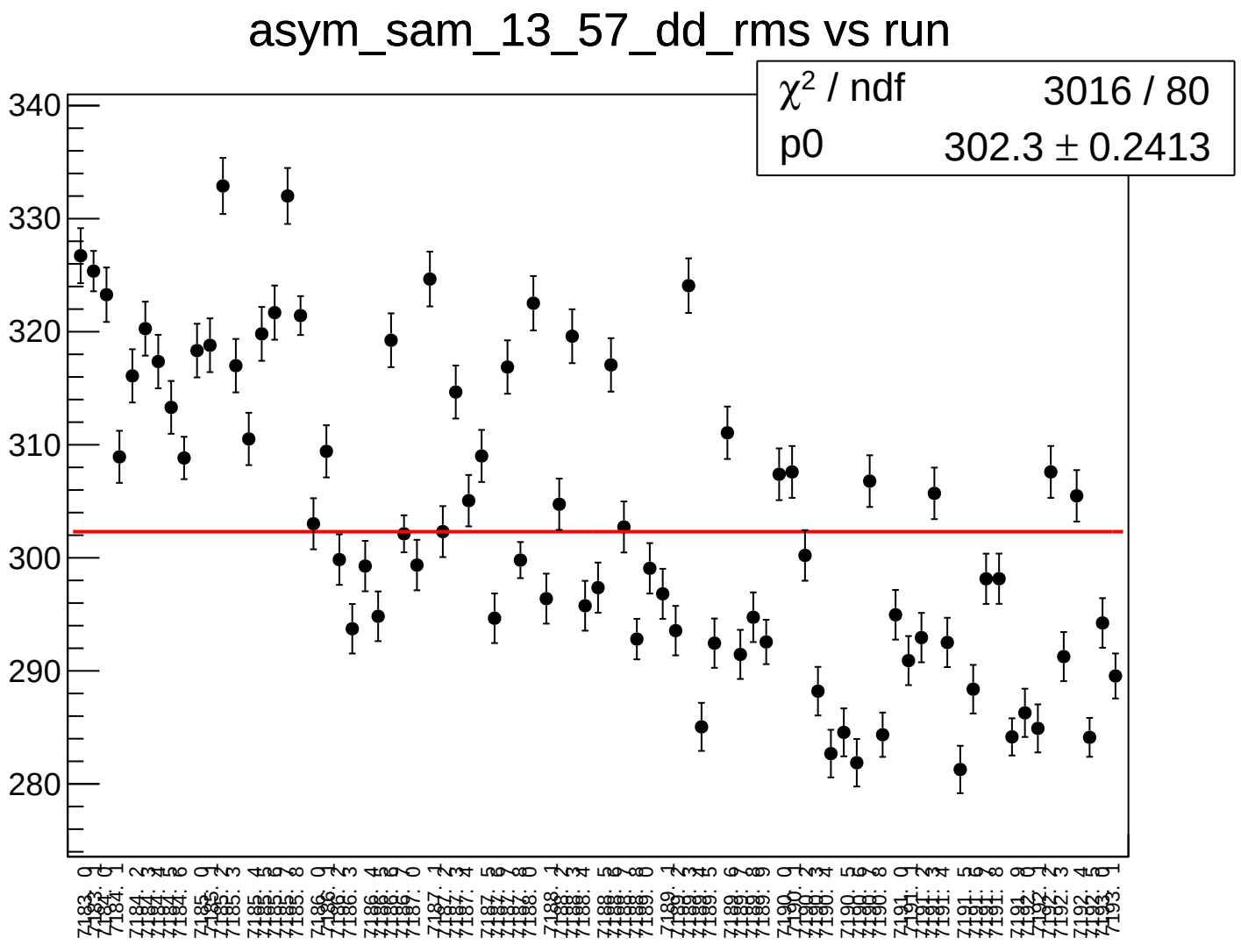

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 94.09 / 80
p0 −741.9 ± 356.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −137.5
Std Dev 170.2
2
1
0
−1
−2
−3

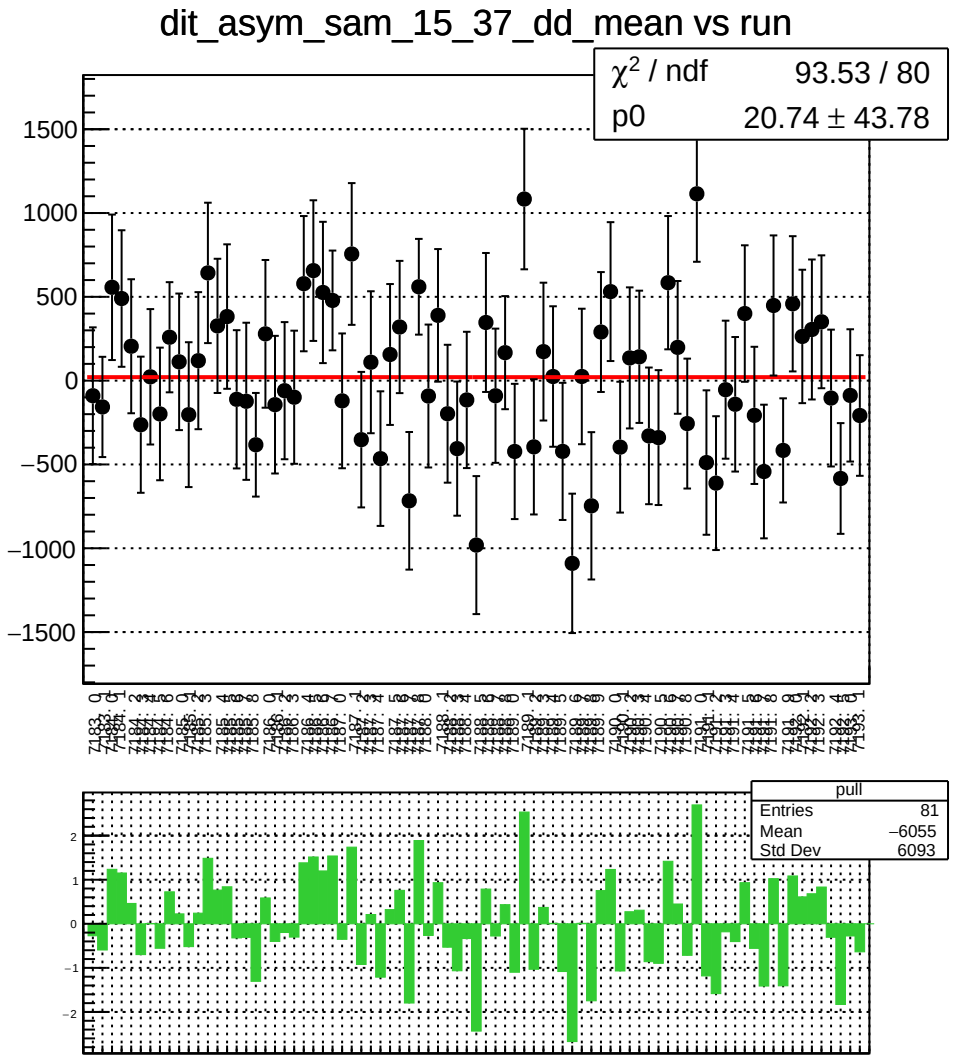

pull1D
Entries 81
Mean −0.01991
Std Dev 1.078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

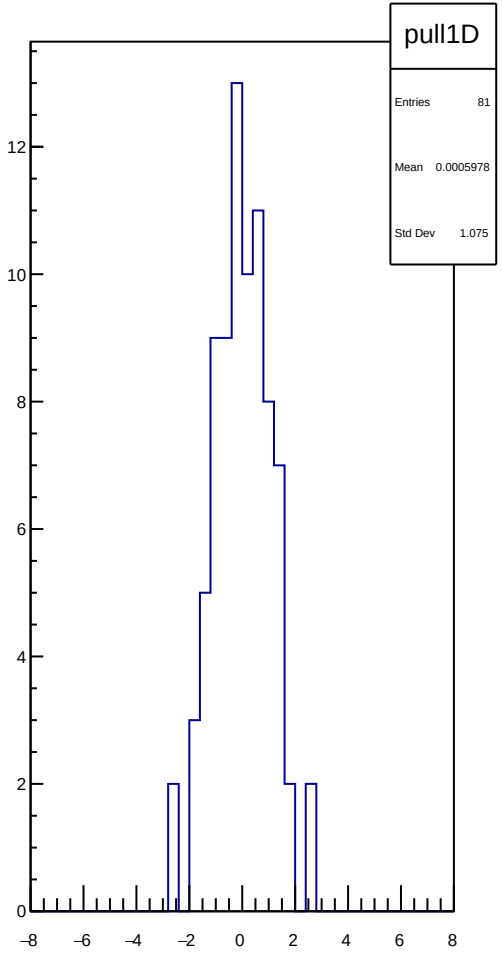

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2592 / 80
p0 315.5 ± 0.2518
350
340
330
320
310
300
290

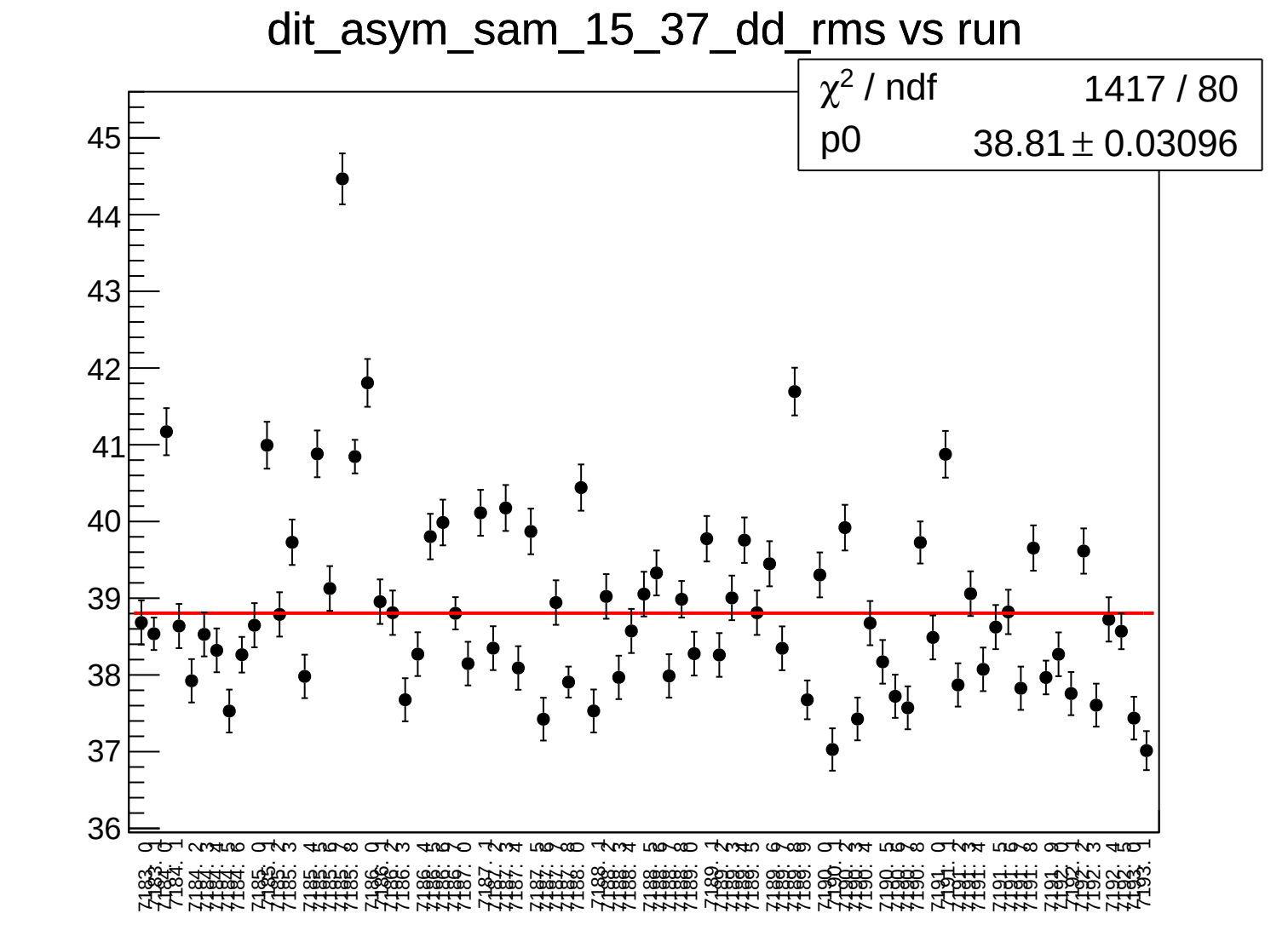

asym_sam_13_57_dd_mean vs run
χ² / ndf 76.91 / 80
p0 725 ± 341.2
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −148.5
Std Dev 183.7
3
2
1
0
−1
−2

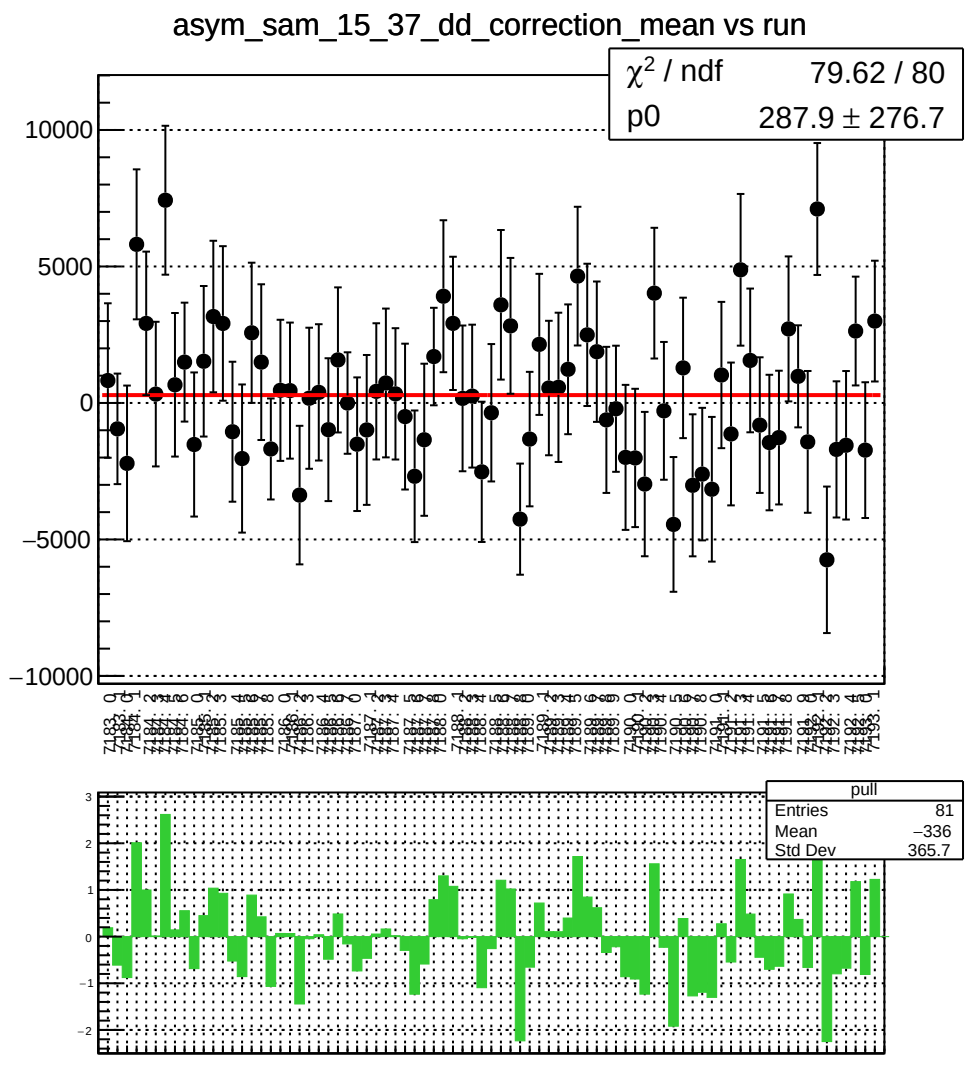

pull1D
Entries 81
Mean 0.01995
Std Dev 0.9742
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

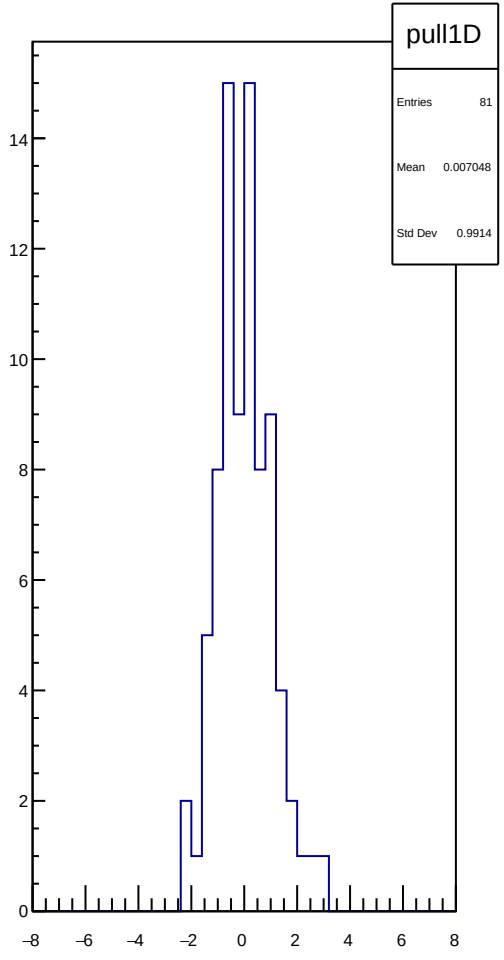

asym_sam_13_57_dd_rms vs run
χ² / ndf 3016 / 80
p0 302.3 ± 0.2413
340
330
320
310
300
290
280

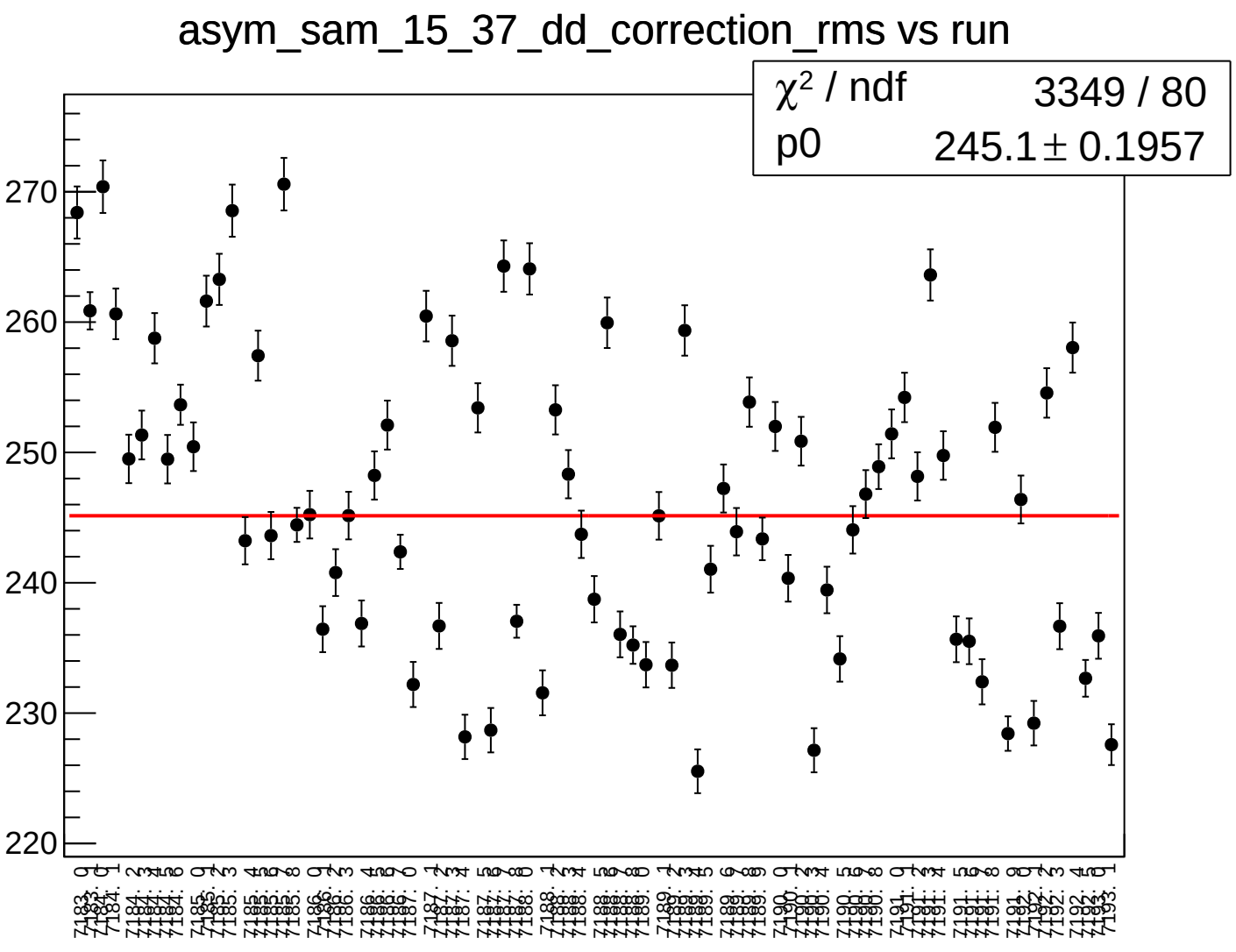

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 93.53 / 80
p0 20.74 ± 43.78
1500
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean −6055
Std Dev 6093
2
1
0
−1
−2

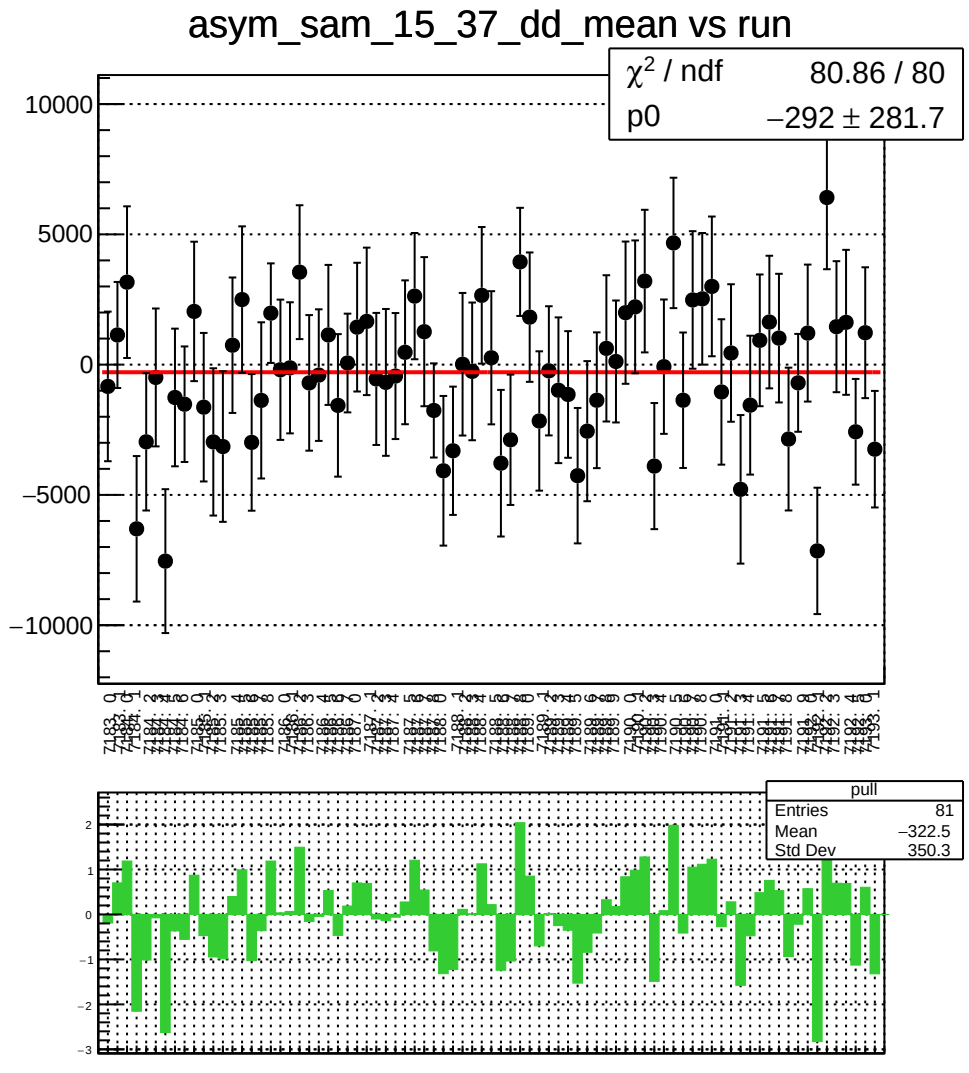

pull1D
Entries 81
Mean 0.0005978
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

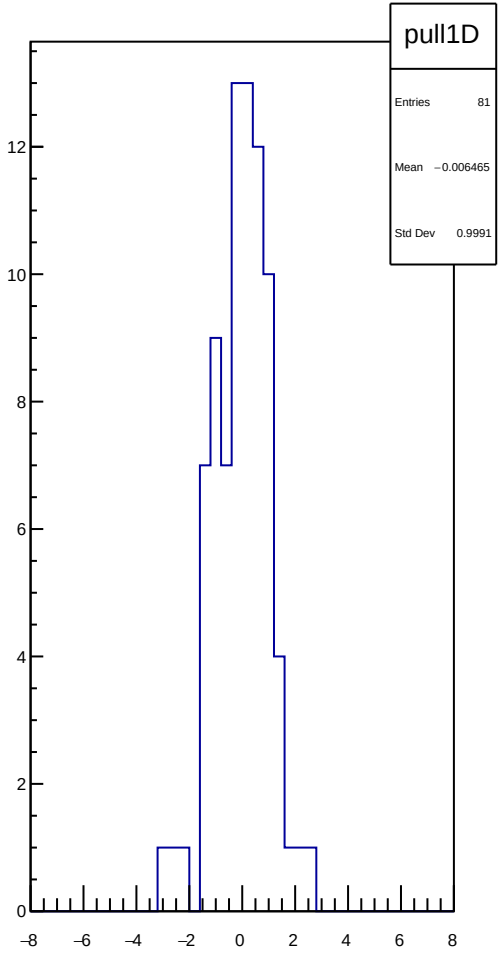

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1417 / 80
p0 38.81 ± 0.03096
45
44
43
42
41
40
39
38
37
36


asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 79.62 / 80
p0 287.9 ± 276.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −336
Std Dev 365.7
3
2
1
0
−1
−2

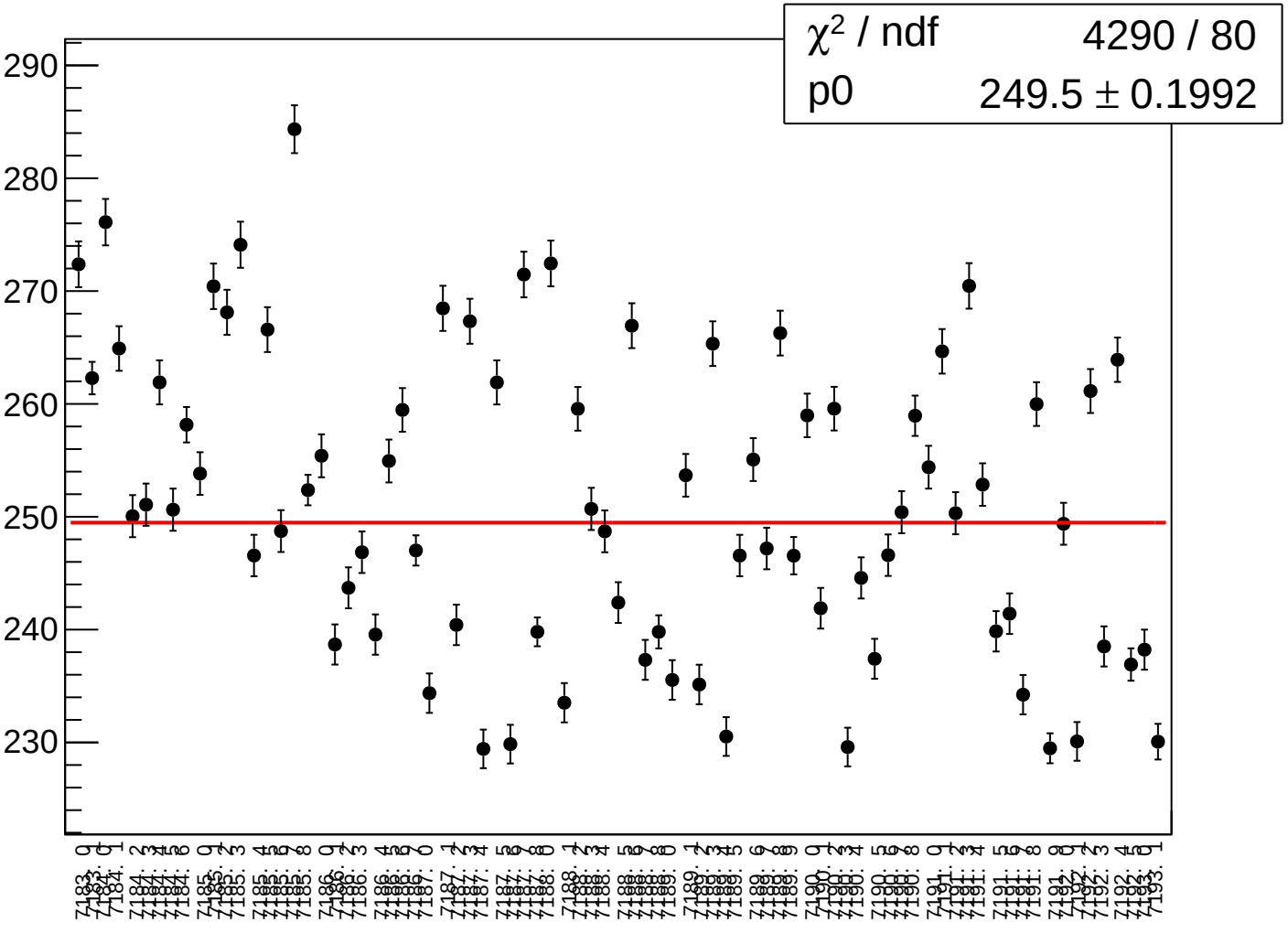

pull1D
Entries 81
Mean 0.007048
Std Dev 0.9914
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

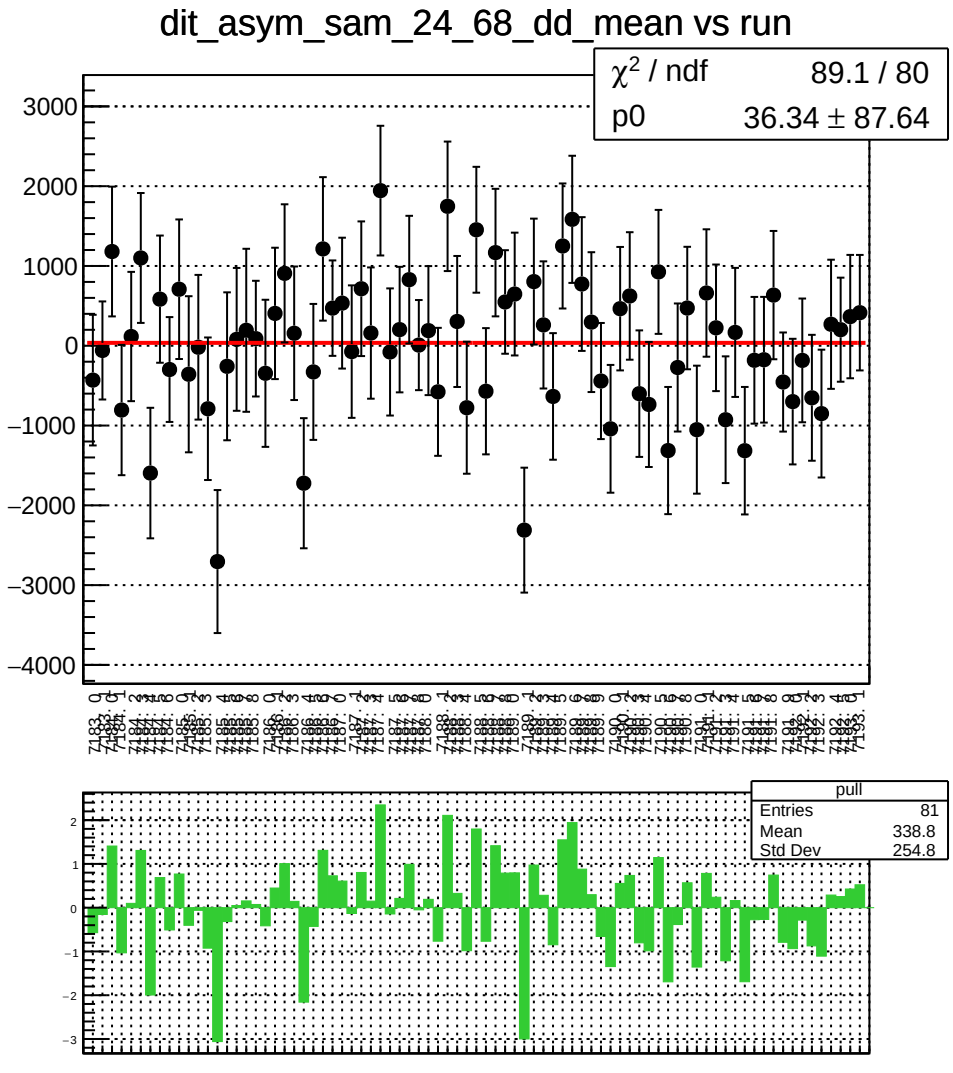

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3349 / 80
p0 245.1 ± 0.1957
270
260
250
240
230
220

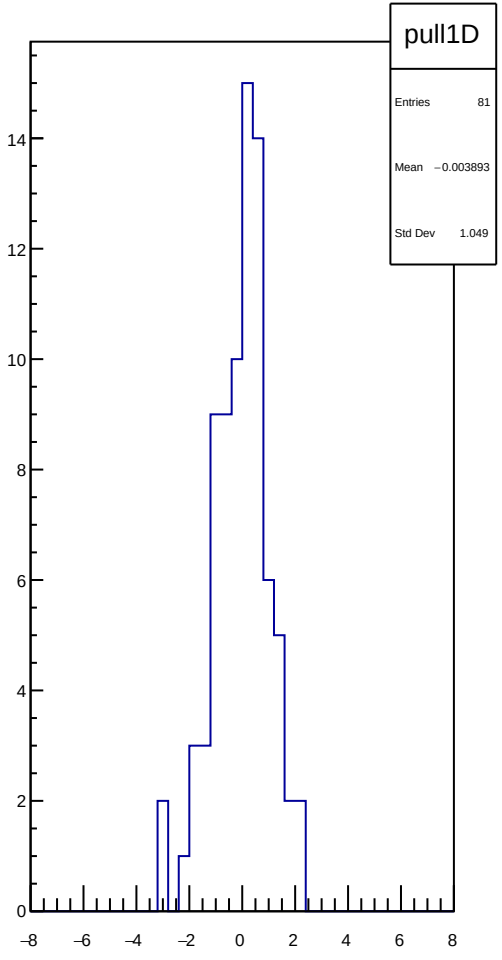

asym_sam_15_37_dd_mean vs run
χ² / ndf 80.86 / 80
p0 −292 ± 281.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −322.5
Std Dev 350.3
2
1
0
−1
−2
−3

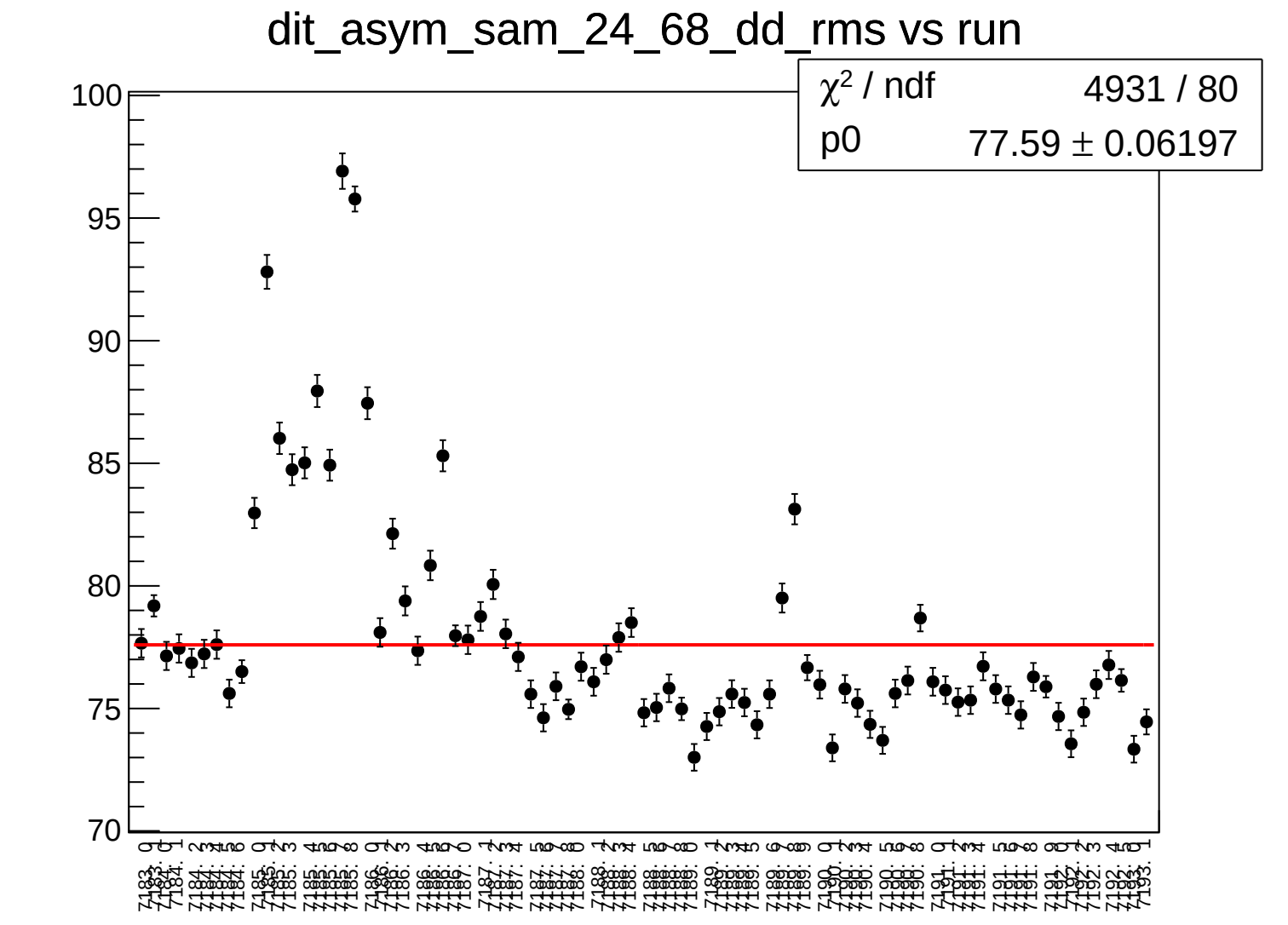

pull1D
Entries 81
Mean −0.006465
Std Dev 0.9991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

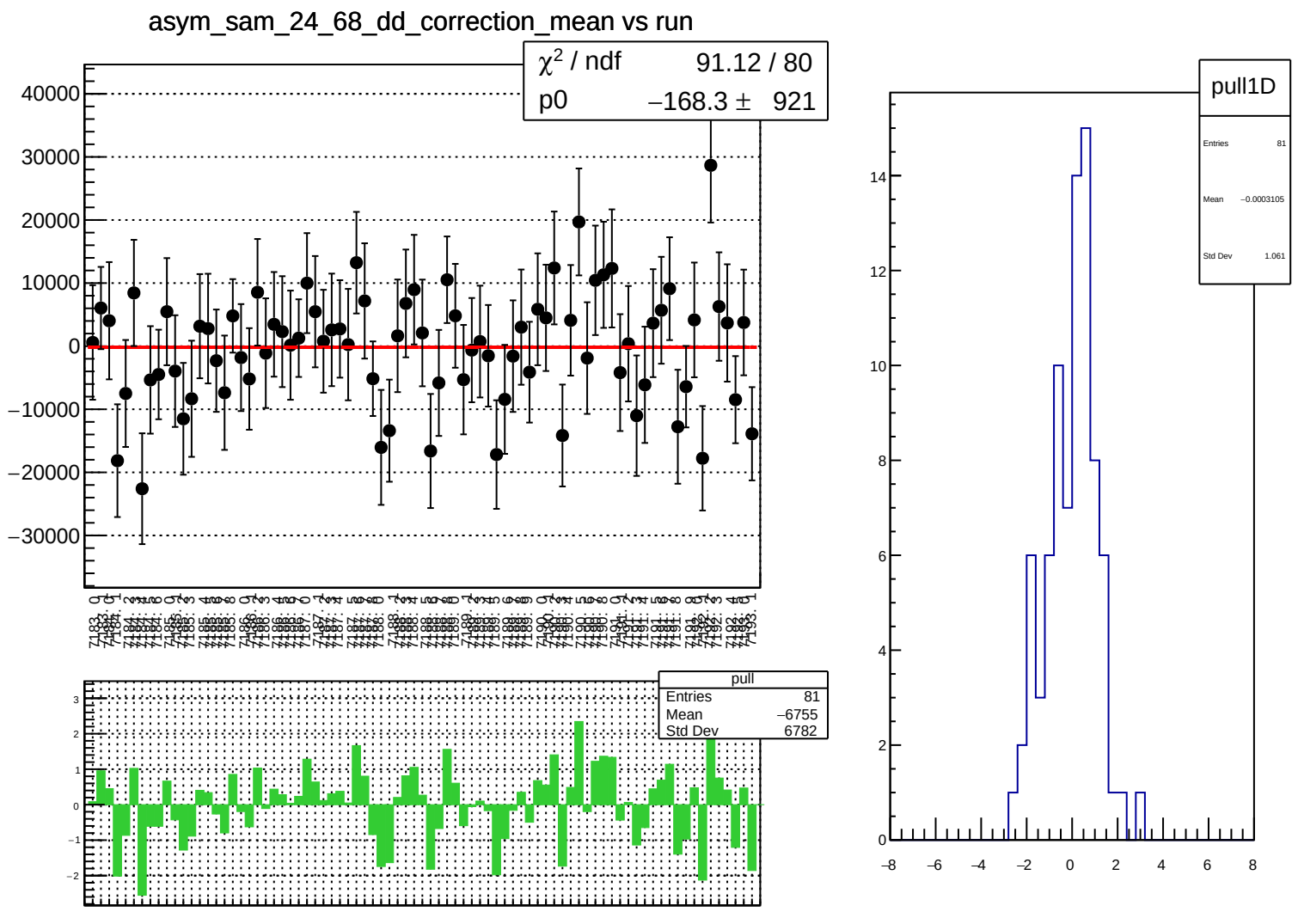
# asym_sam_15_37_dd_rms vs run

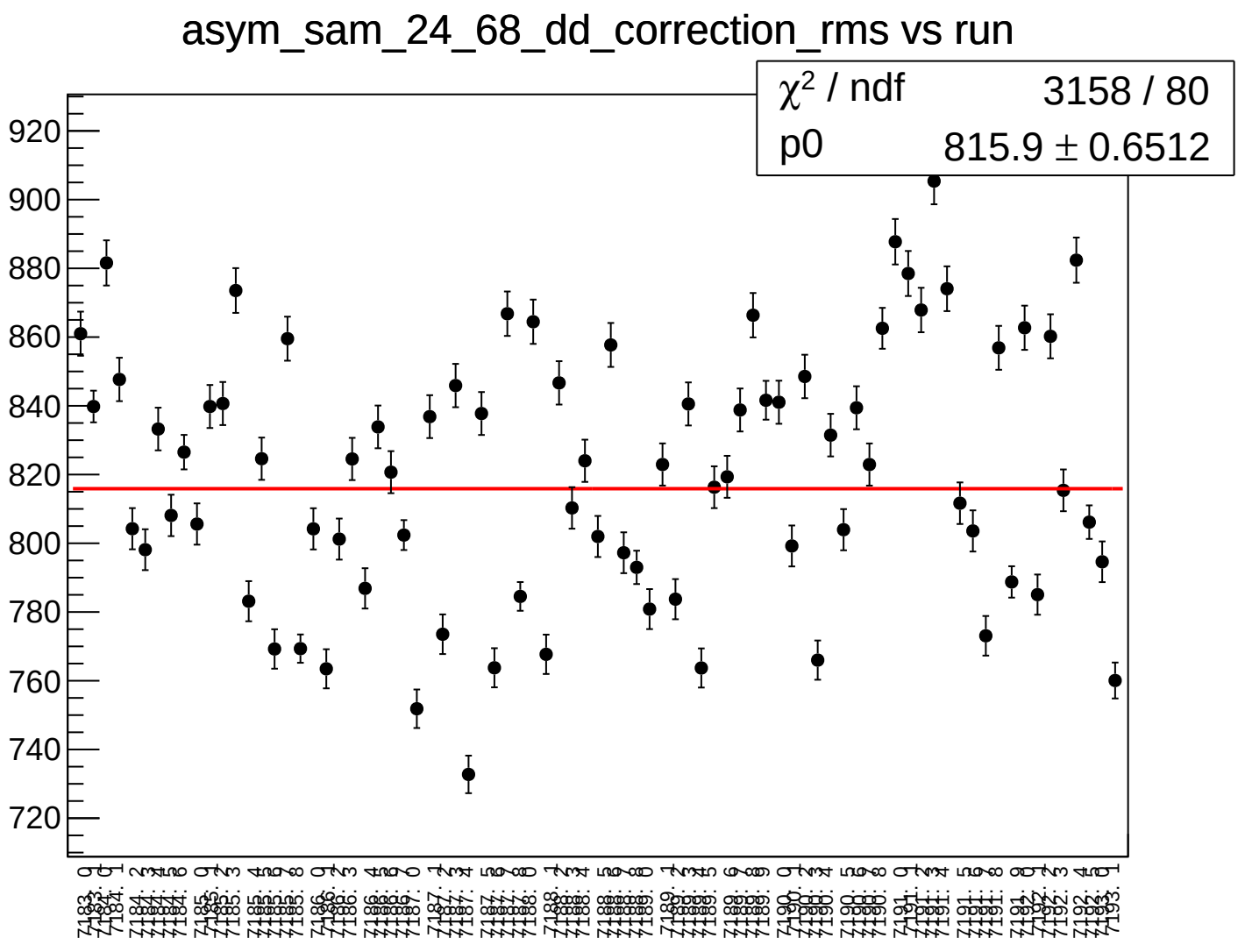


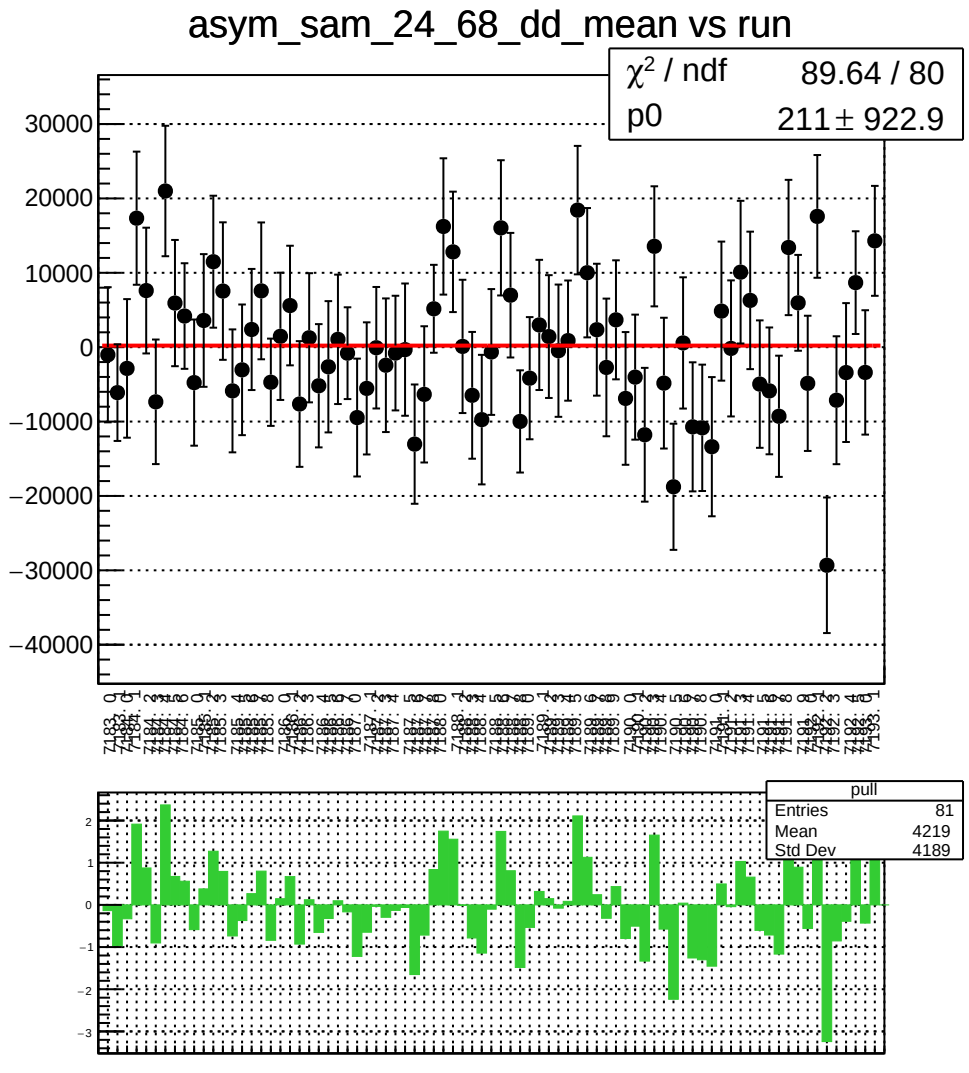

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 89.1 / 80
p0 36.34 ± 87.64
pull
Entries 81
Mean 338.8
Std Dev 254.8

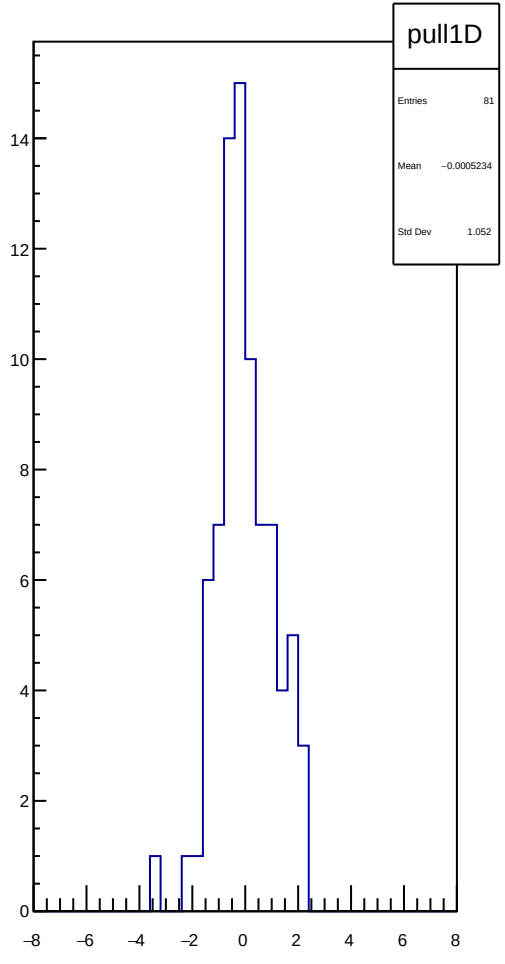

pull1D
Entries 81
Mean −0.003893
Std Dev 1.049

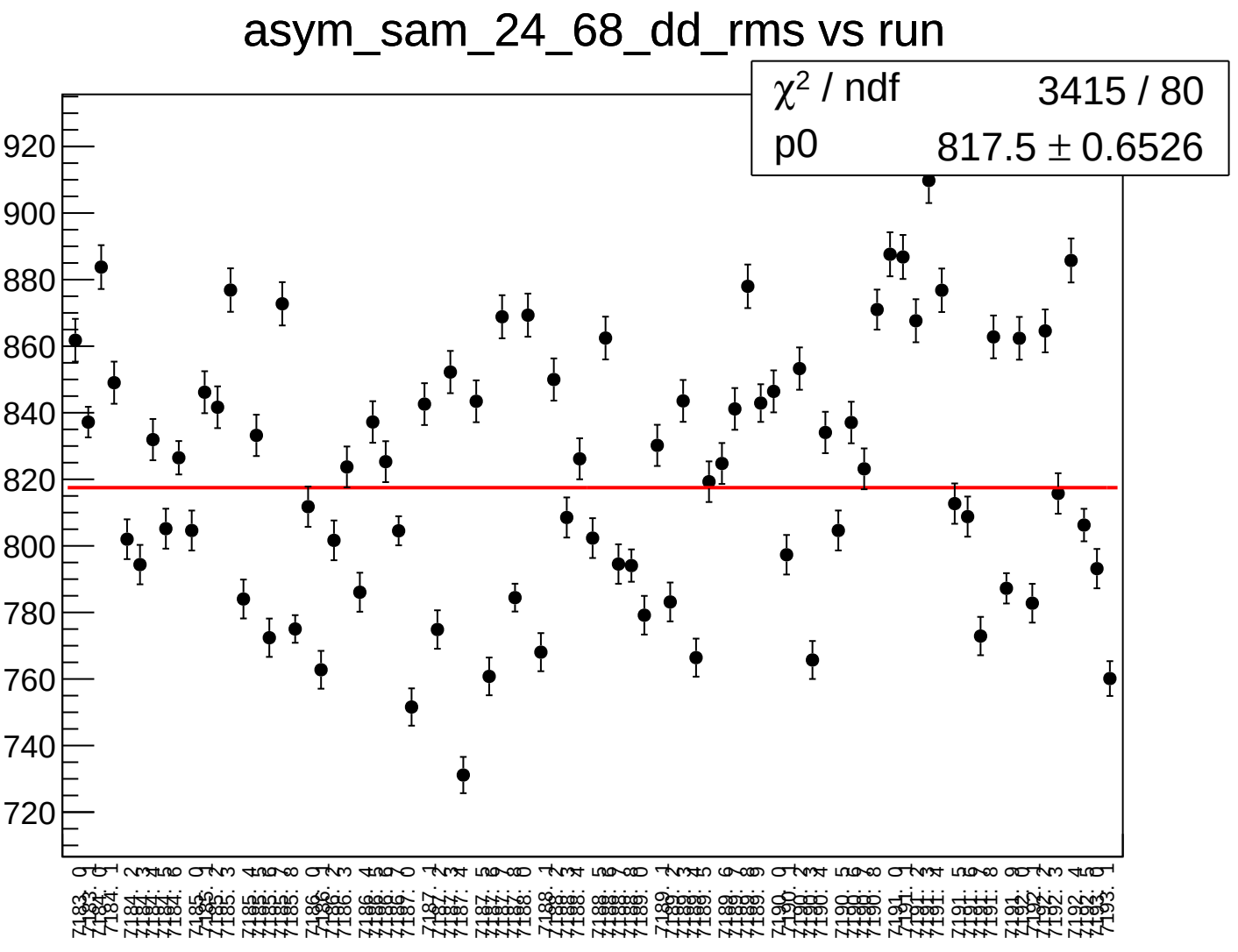

dit_asym_sam_24_68_dd_rms vs run
$\chi^2$ / ndf 4931 / 80
p0 77.59 ± 0.06197
100
95
90
85
80
75
70

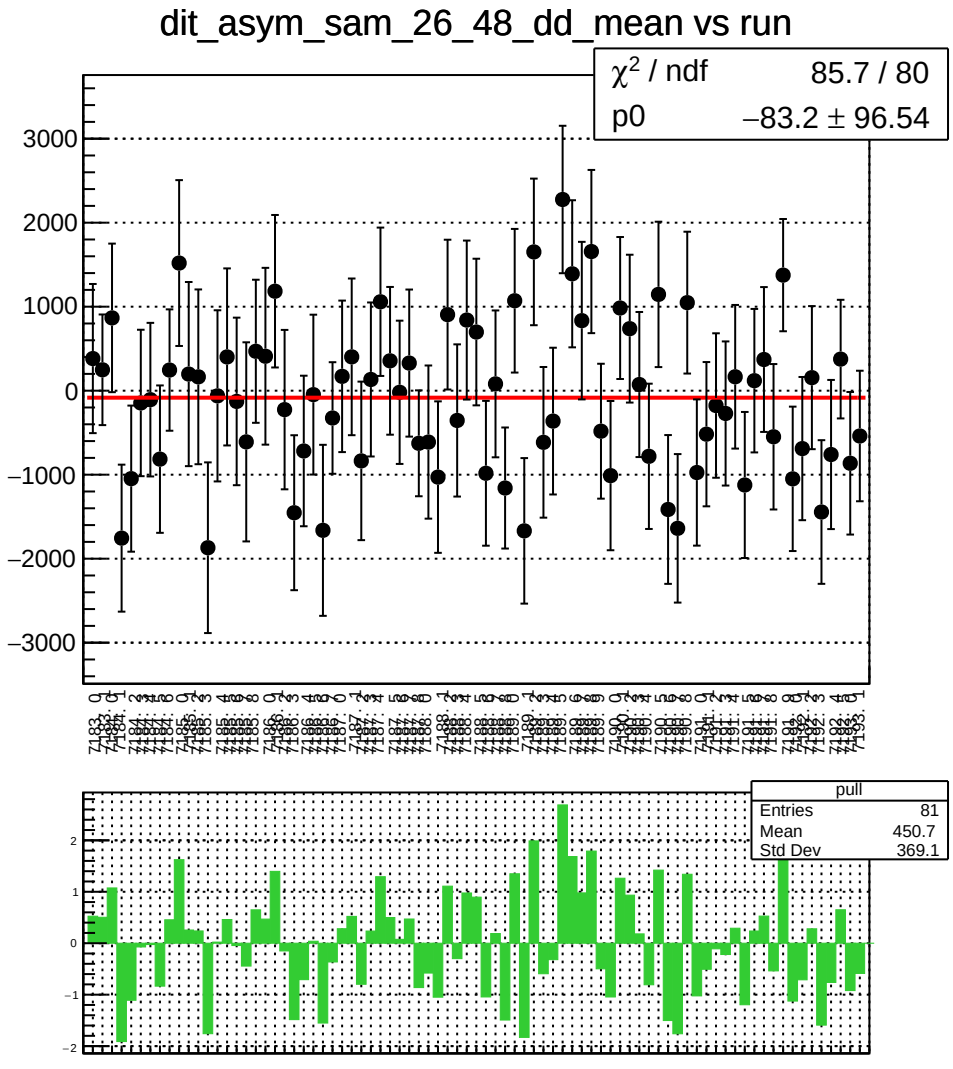

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 91.12 / 80
p0 −168.3 ± 921
pull
Entries 81
Mean −6755
Std Dev 6782
pull1D
Entries 81
Mean −0.0003105
Std Dev 1.061

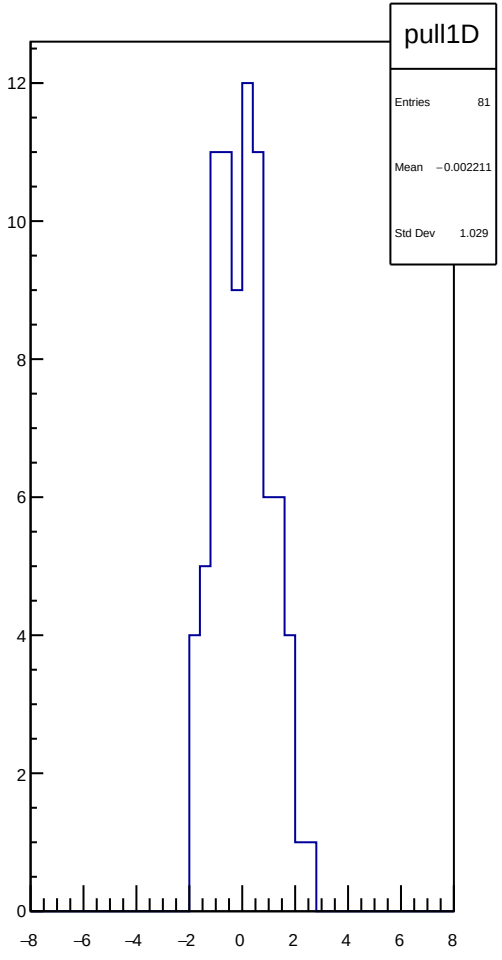

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3158 / 80
p0 815.9 ± 0.6512
920
900
880
860
840
820
800
780
760
740
720

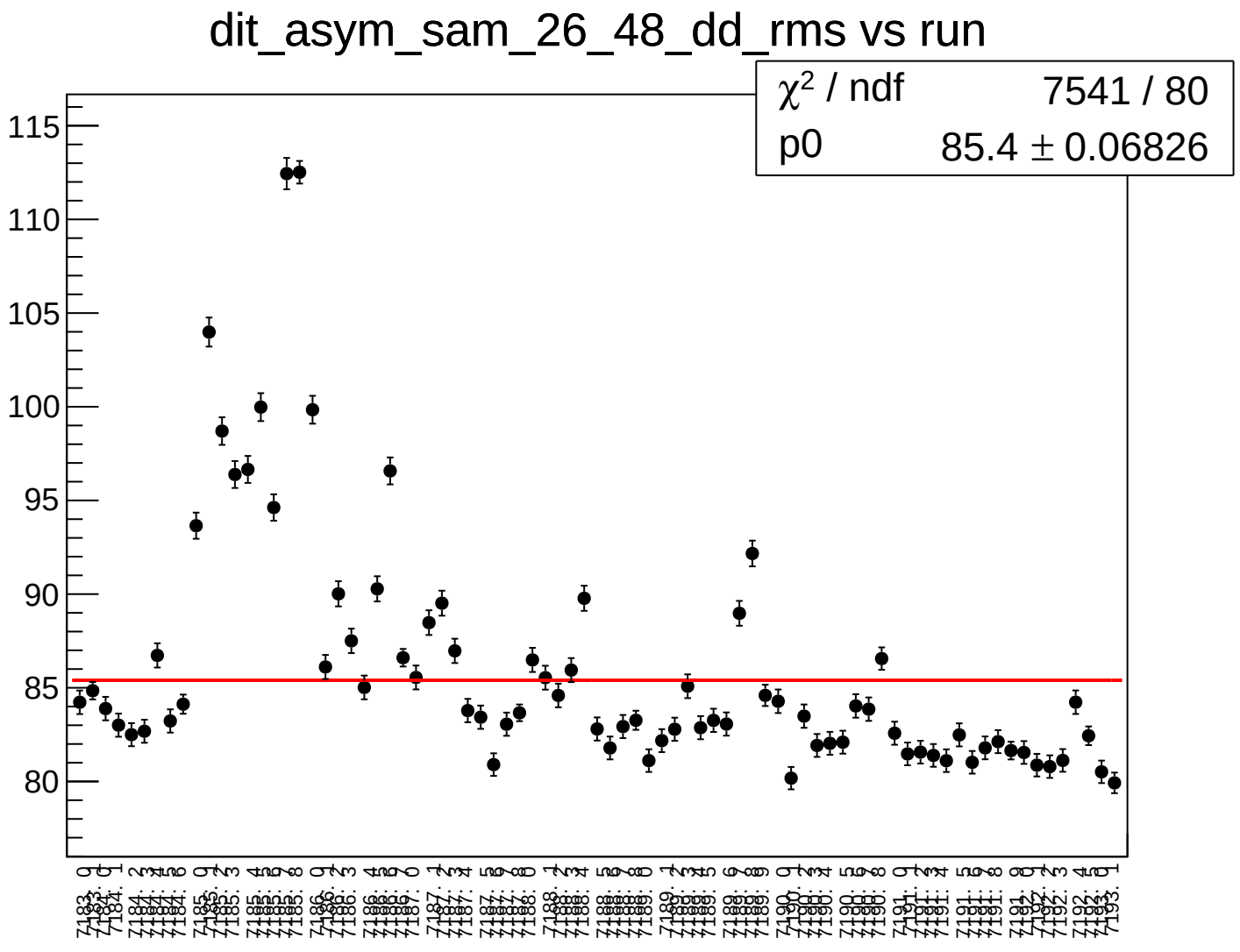

asym_sam_24_68_dd_mean vs run
χ² / ndf 89.64 / 80
p0 211 ± 922.9
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 81
Mean 4219
Std Dev 4189
2
1
0
−1
−2
−3

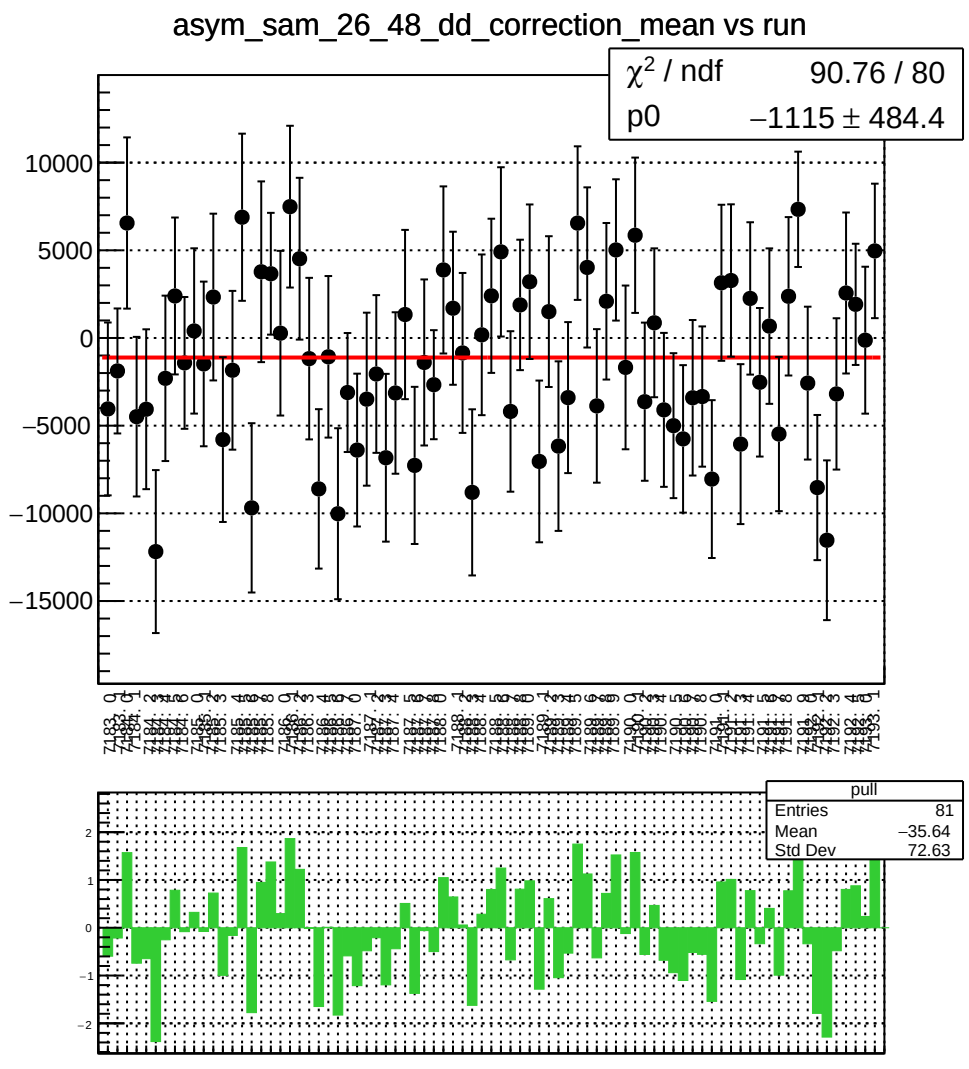

pull1D
Entries 81
Mean −0.0005234
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

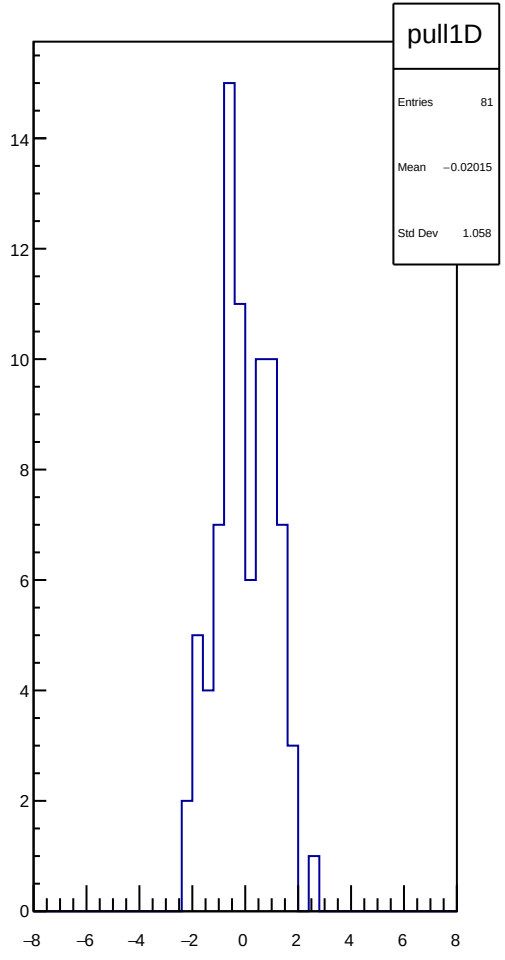

asym_sam_24_68_dd_rms vs run
$\chi^2$ / ndf 3415 / 80
p0 817.5 ± 0.6526
920
900
880
860
840
820
800
780
760
740
720

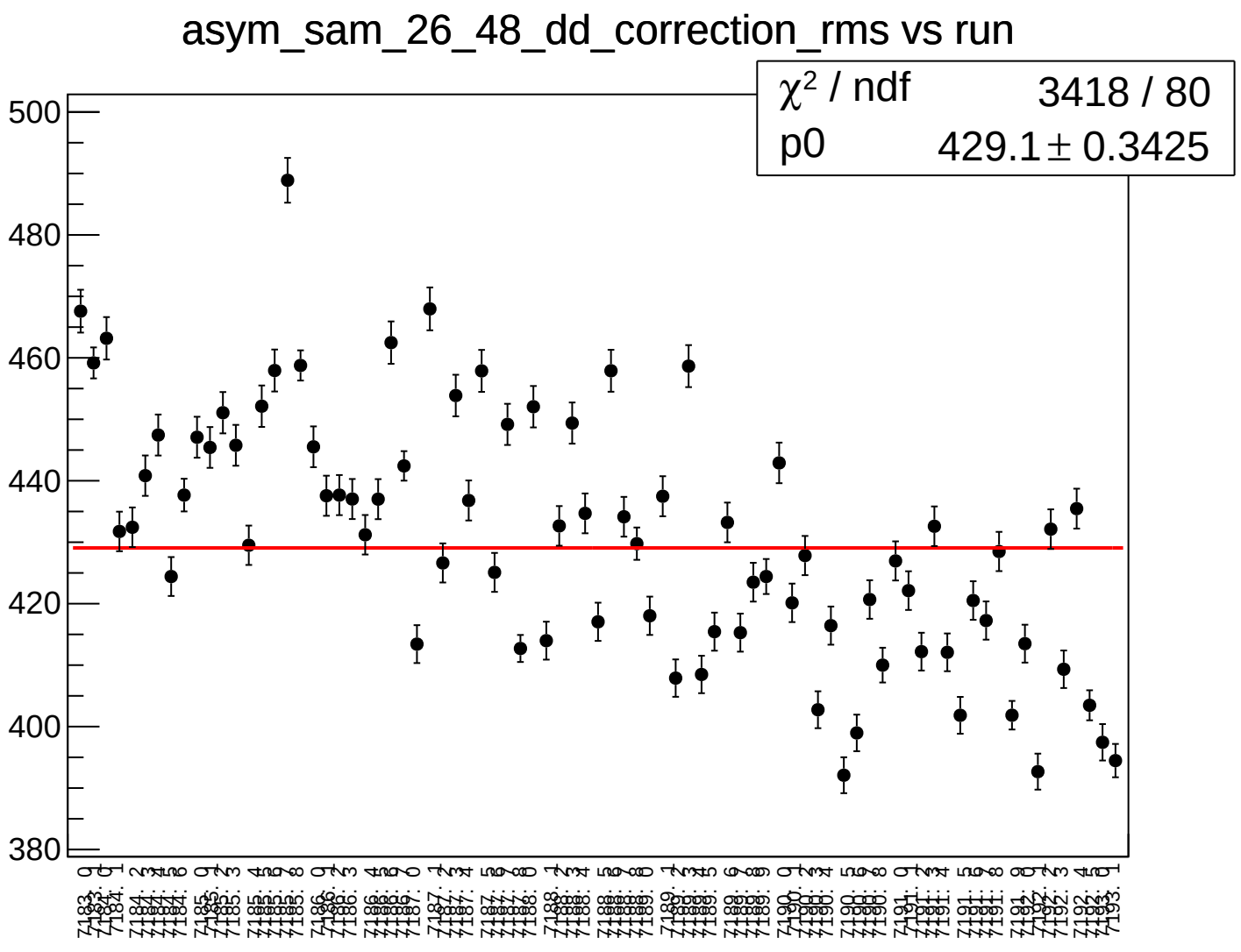

dit_asym_sam_26_48_dd_mean vs run
$\chi^2$ / ndf 85.7 / 80
p0 −83.2 ± 96.54
pull
Entries 81
Mean 450.7
Std Dev 369.1

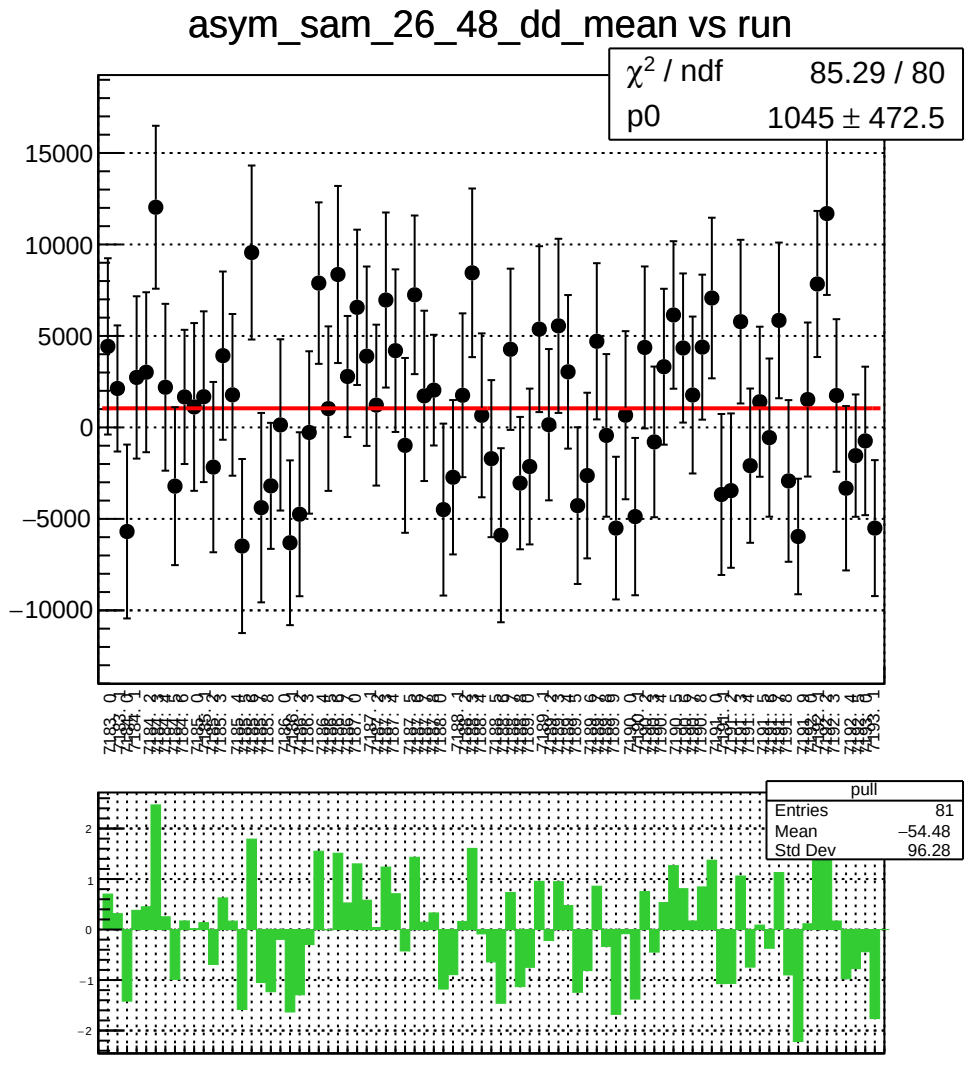

pull1D
Entries 81
Mean −0.002211
Std Dev 1.029

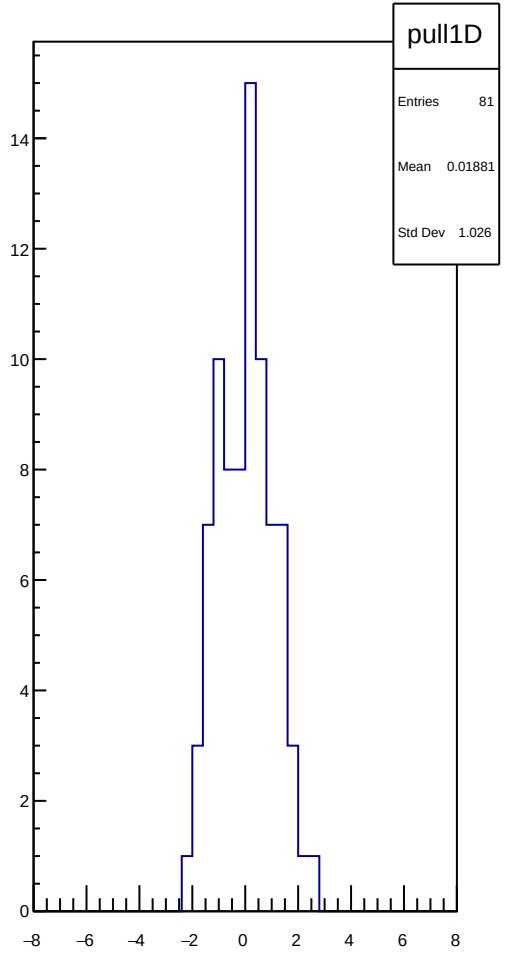

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 7541 / 80
p0 85.4 ± 0.06826
115
110
105
100
95
90
85
80

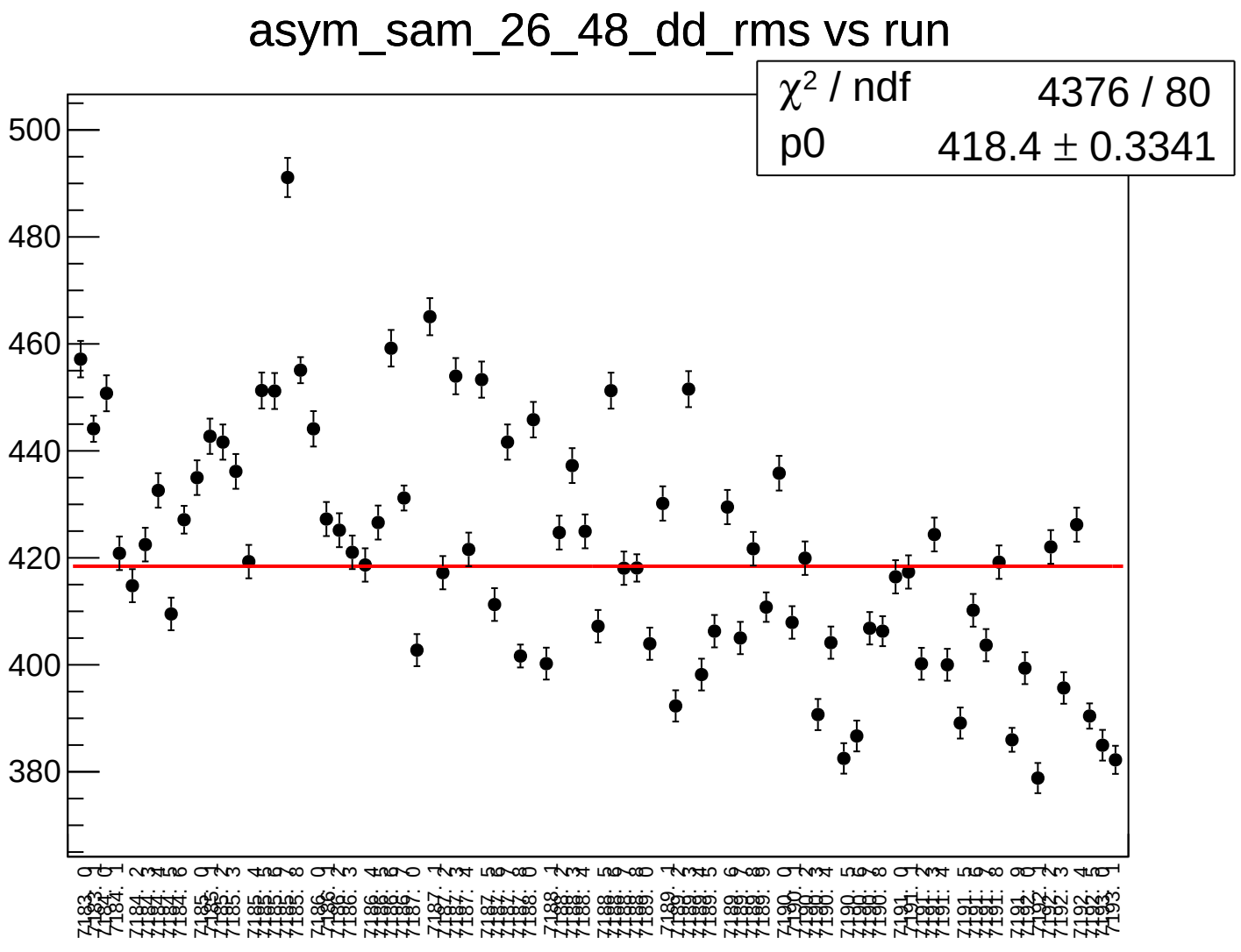

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 90.76 / 80
p0 −1115 ± 484.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −35.64
Std Dev 72.63
2
1
0
−1
−2

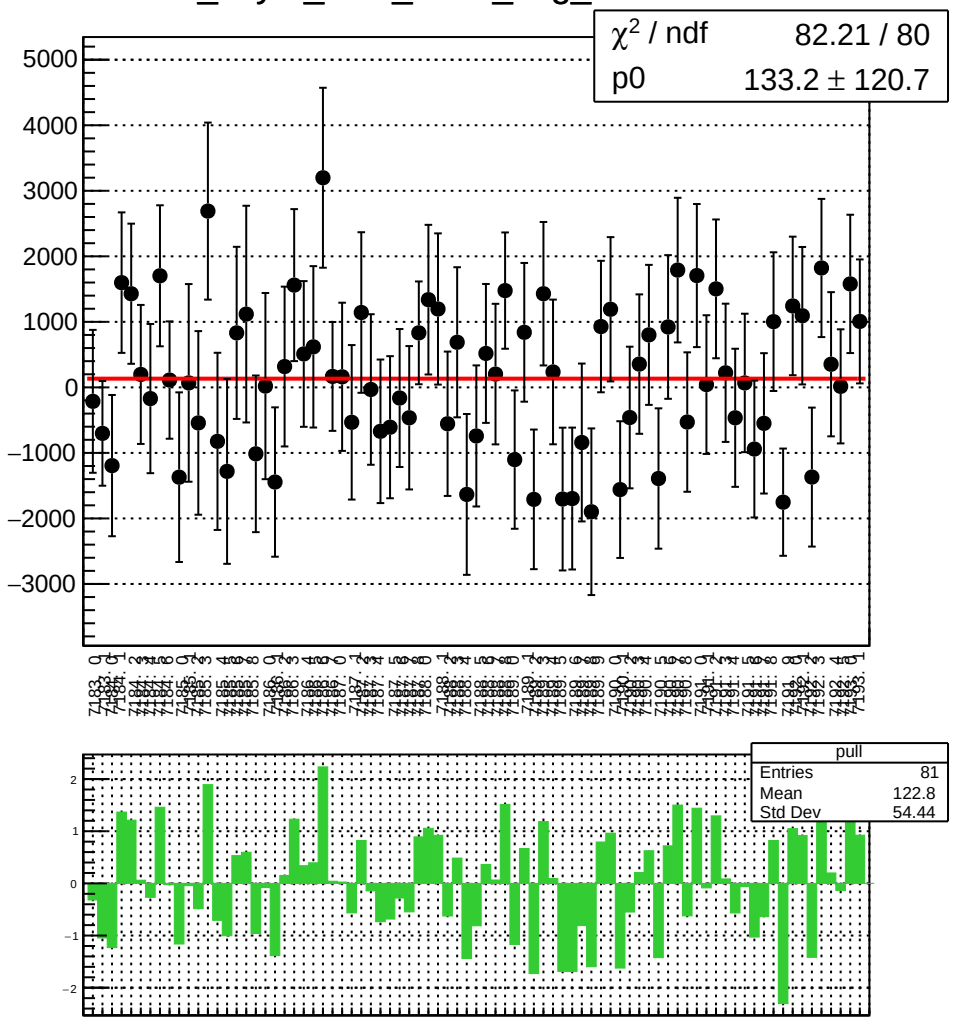

pull1D
Entries 81
Mean −0.02015
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

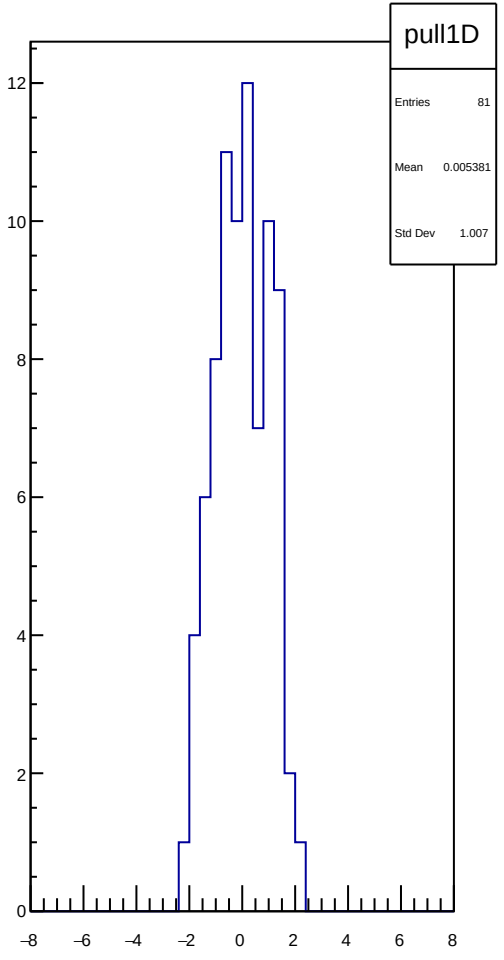

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3418 / 80
p0 429.1 ± 0.3425
500
480
460
440
420
400
380

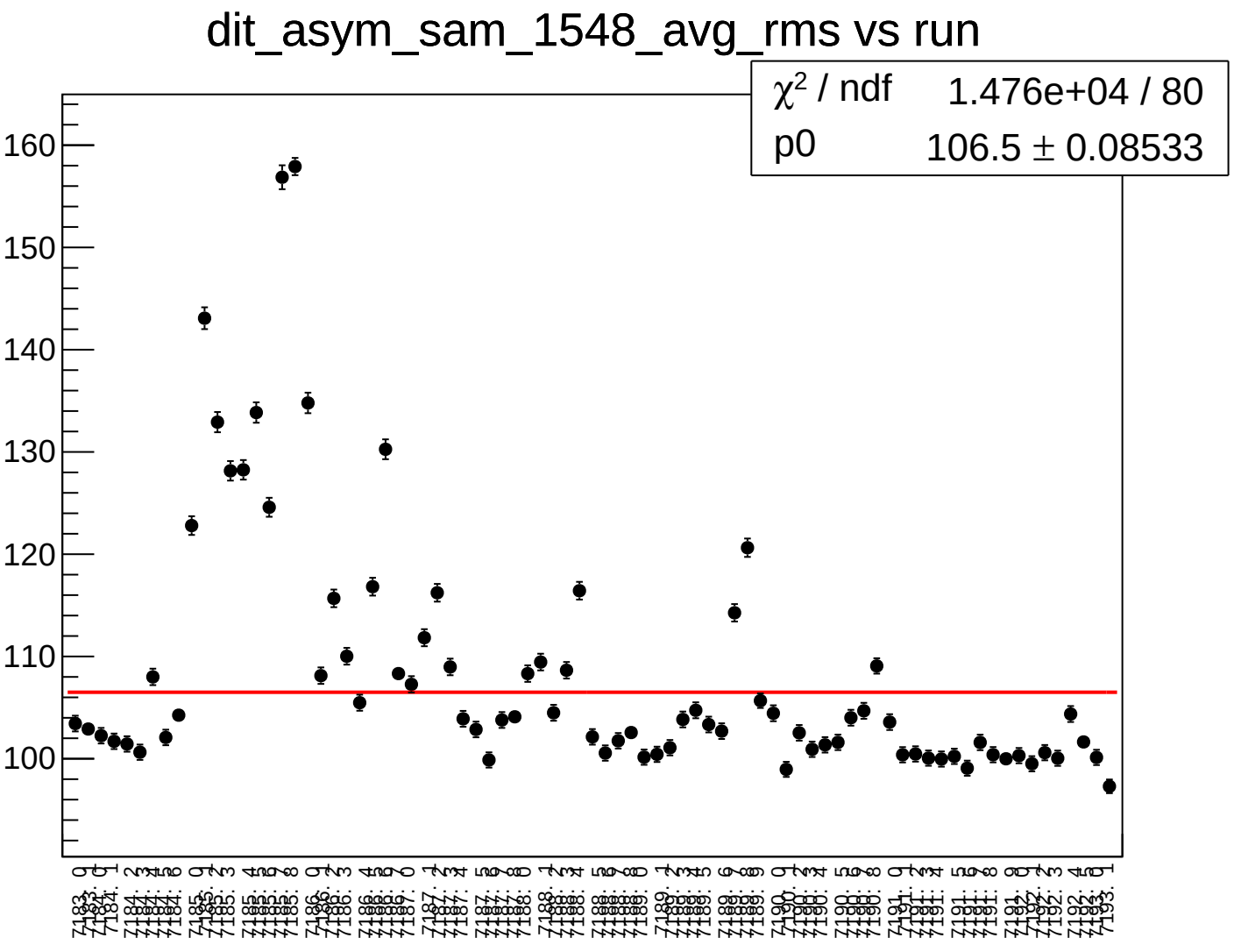

asym_sam_26_48_dd_mean vs run
χ² / ndf 85.29 / 80
p0 1045 ± 472.5
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −54.48
Std Dev 96.28
2
1
0
−1
−2

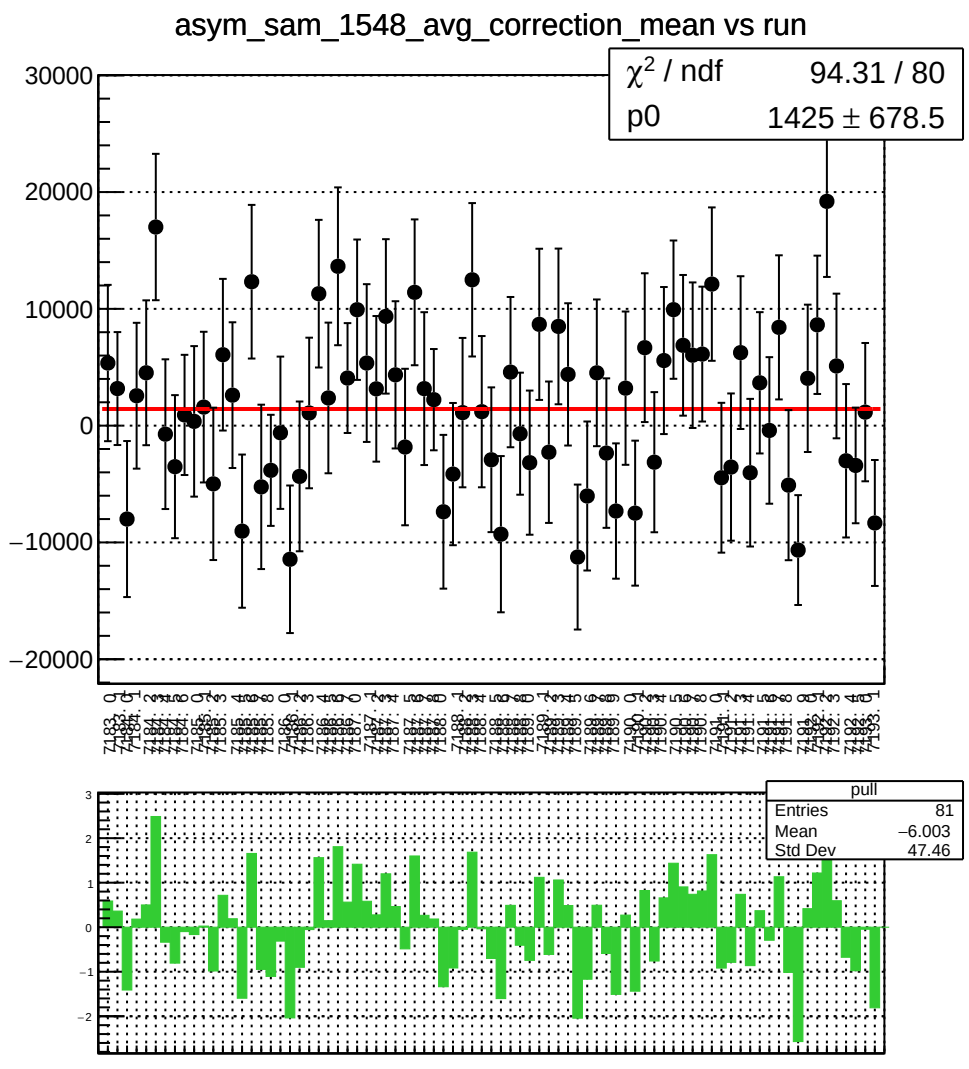

pull1D
Entries 81
Mean 0.01881
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

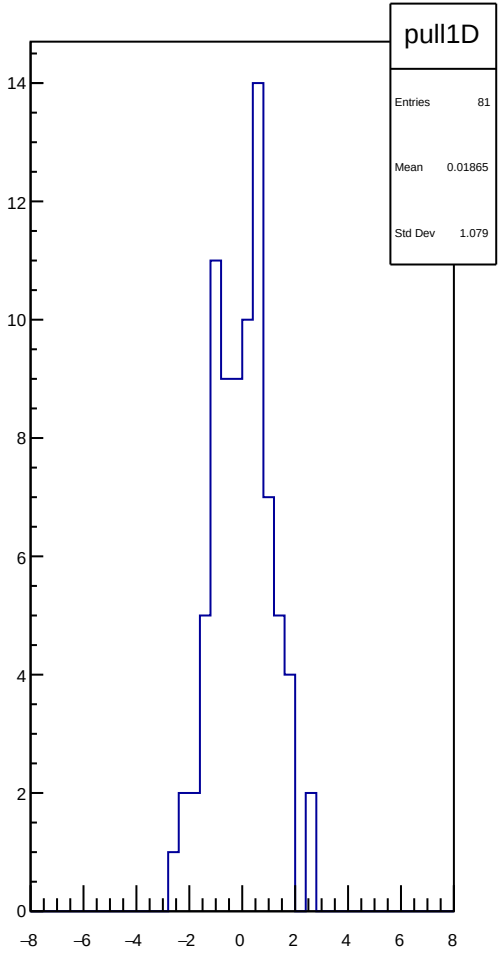

asym_sam_26_48_dd_rms vs run
χ² / ndf 4376 / 80
p0 418.4 ± 0.3341
500
480
460
440
420
400
380

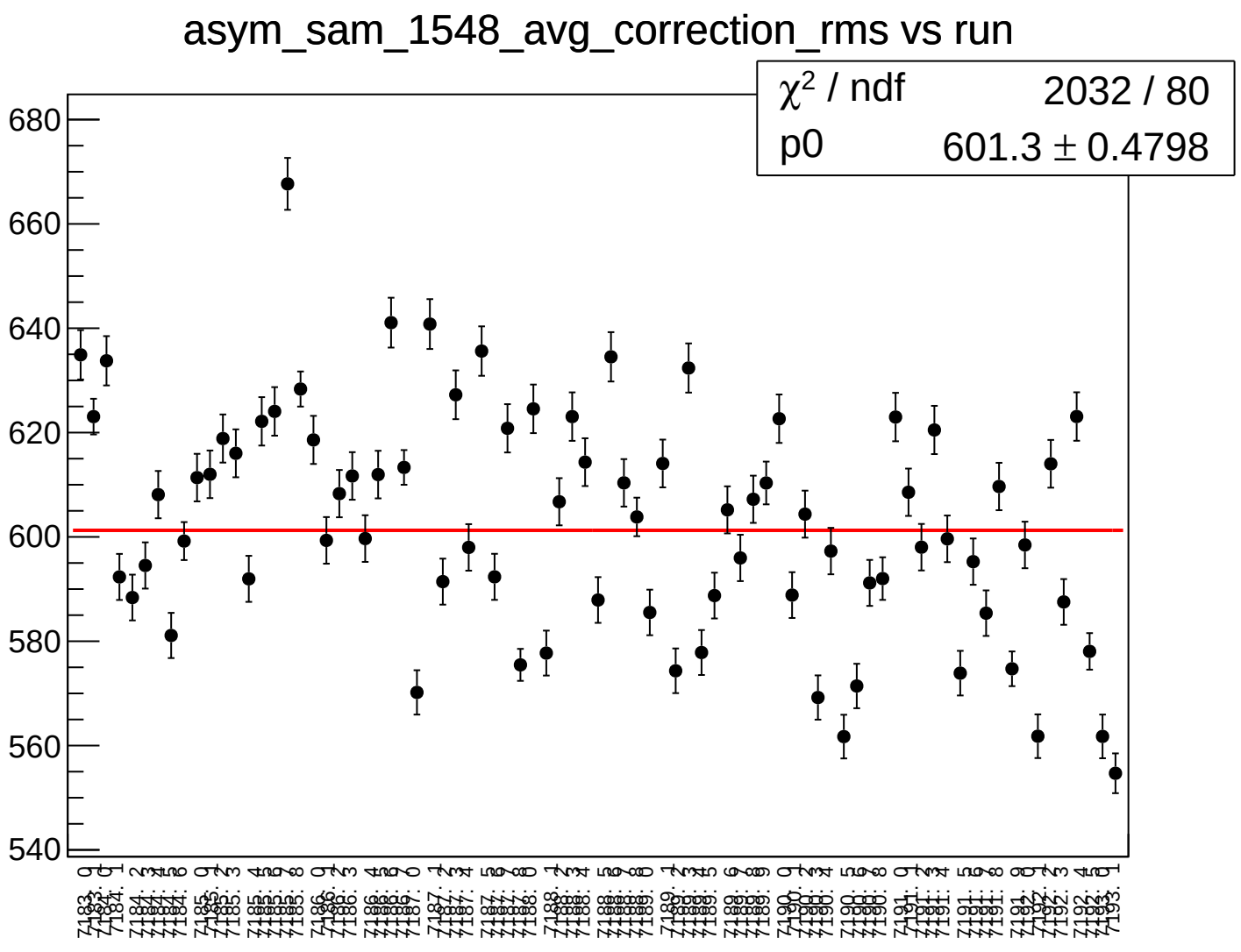

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 82.21 / 80
p0 133.2 ± 120.7
pull
Entries 81
Mean 122.8
Std Dev 54.44

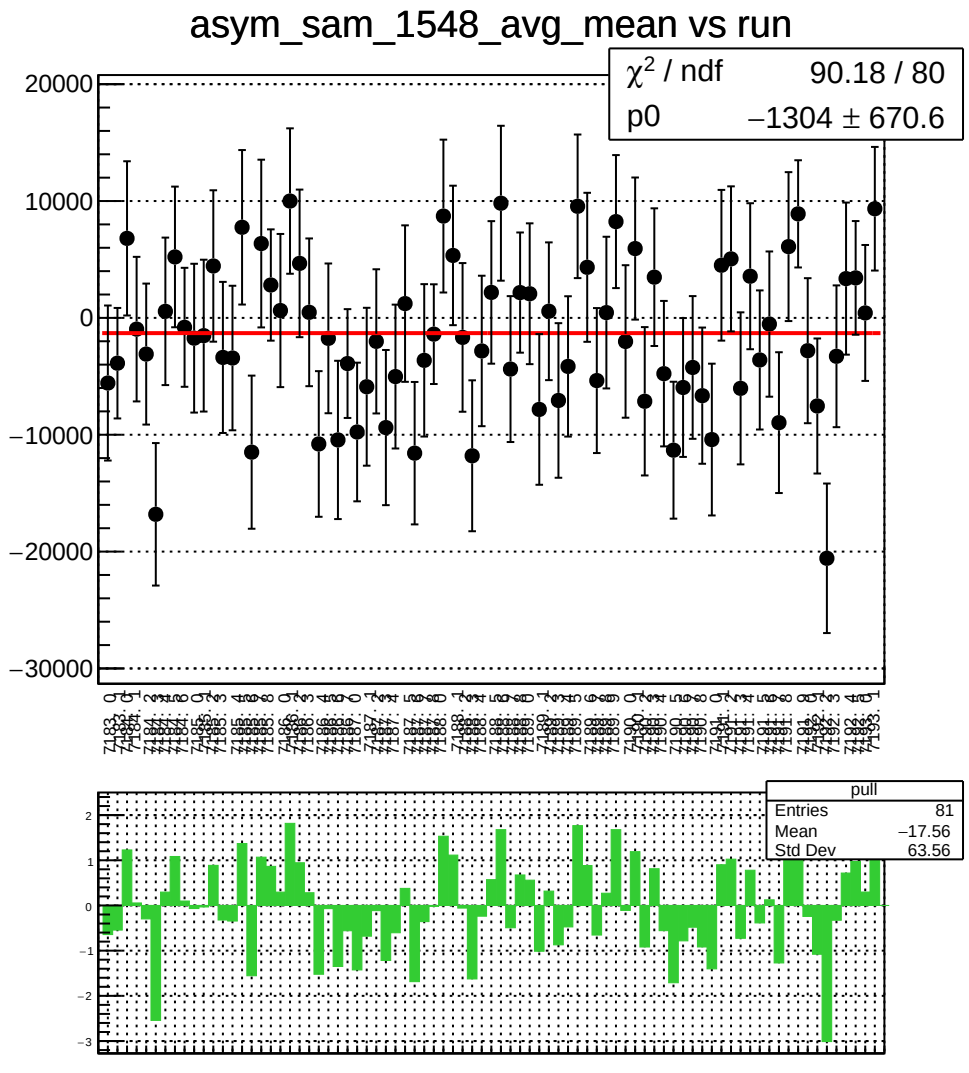

pull1D
Entries 81
Mean 0.005381
Std Dev 1.007

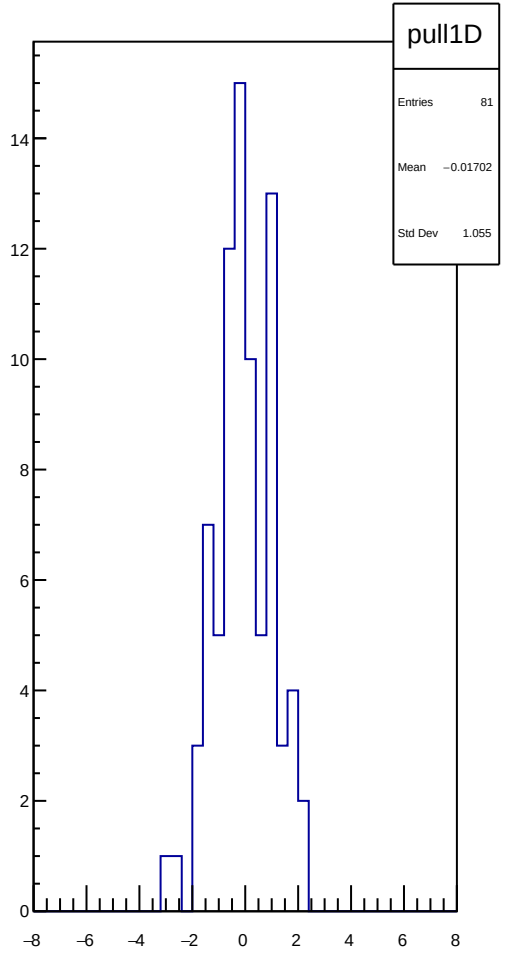

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.476e+04 / 80
p0 106.5 ± 0.08533
160
150
140
130
120
110
100

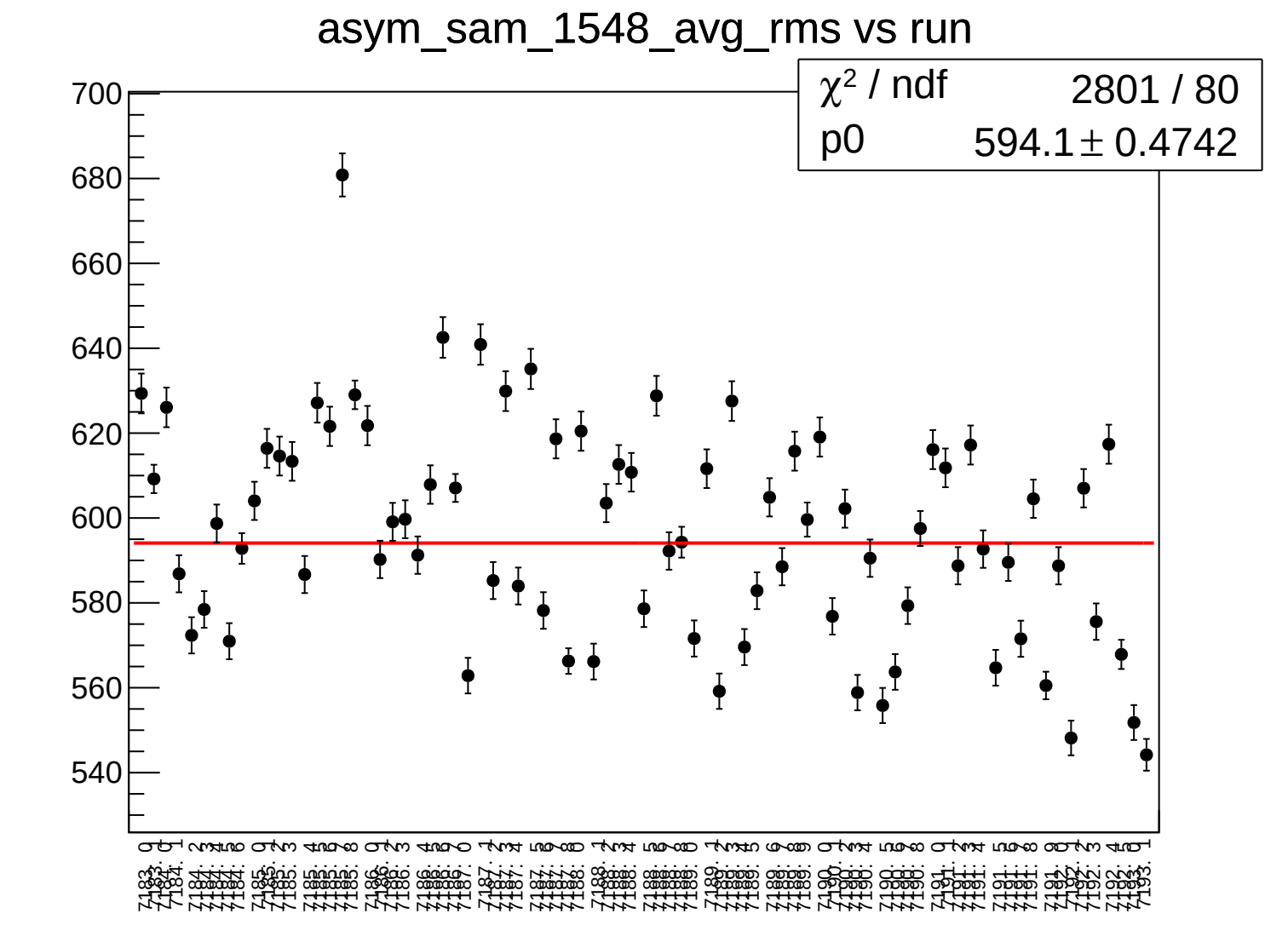

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 94.31 / 80
p0 1425 ± 678.5
pull
Entries 81
Mean −6.003
Std Dev 47.46

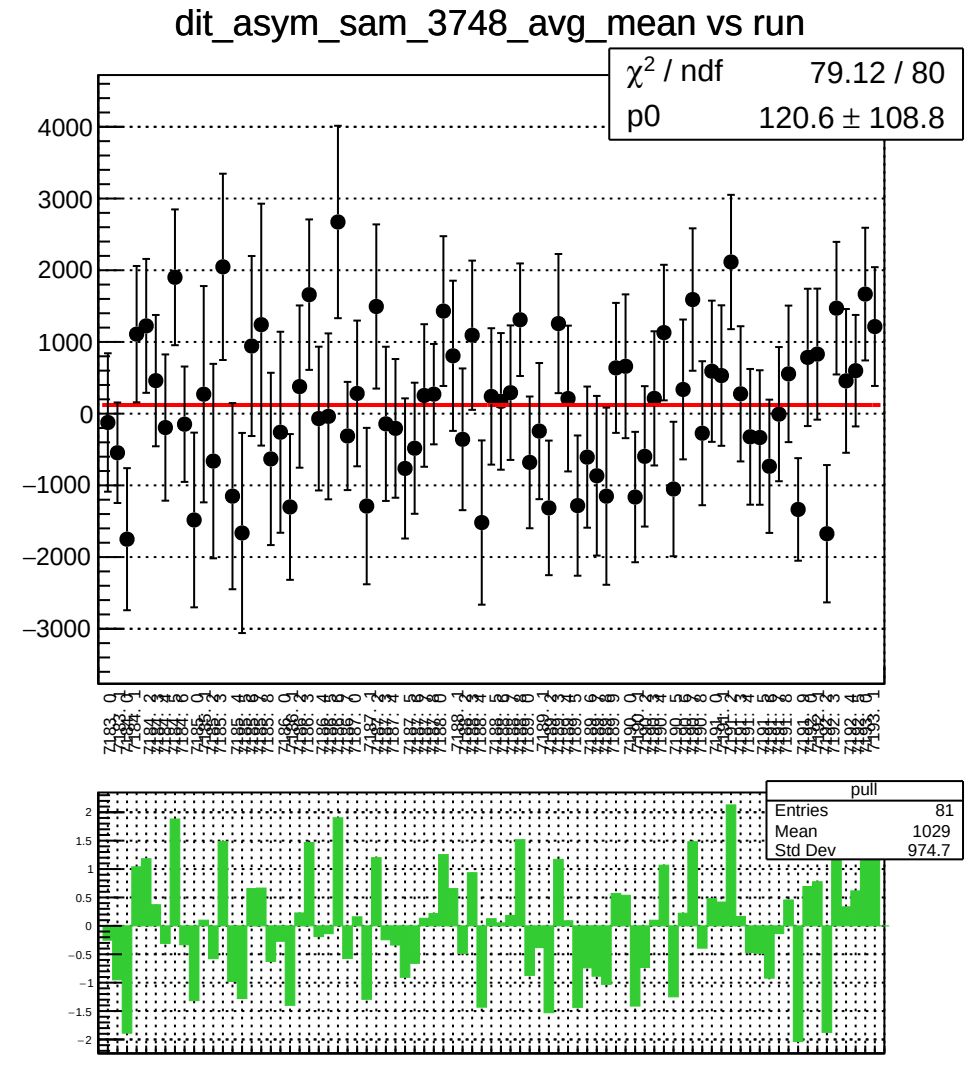

pull1D
Entries 81
Mean 0.01865
Std Dev 1.079

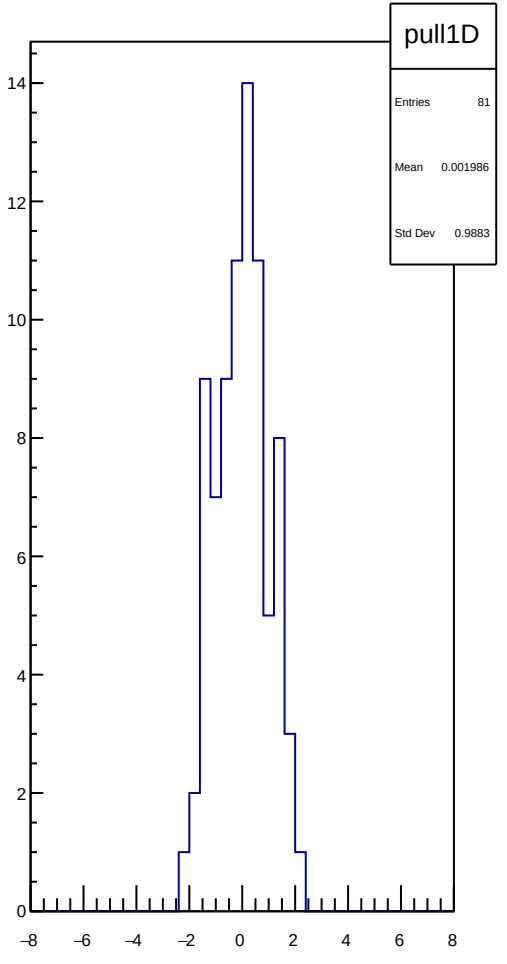

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2032 / 80
p0 601.3 ± 0.4798
680
660
640
620
600
580
560
540

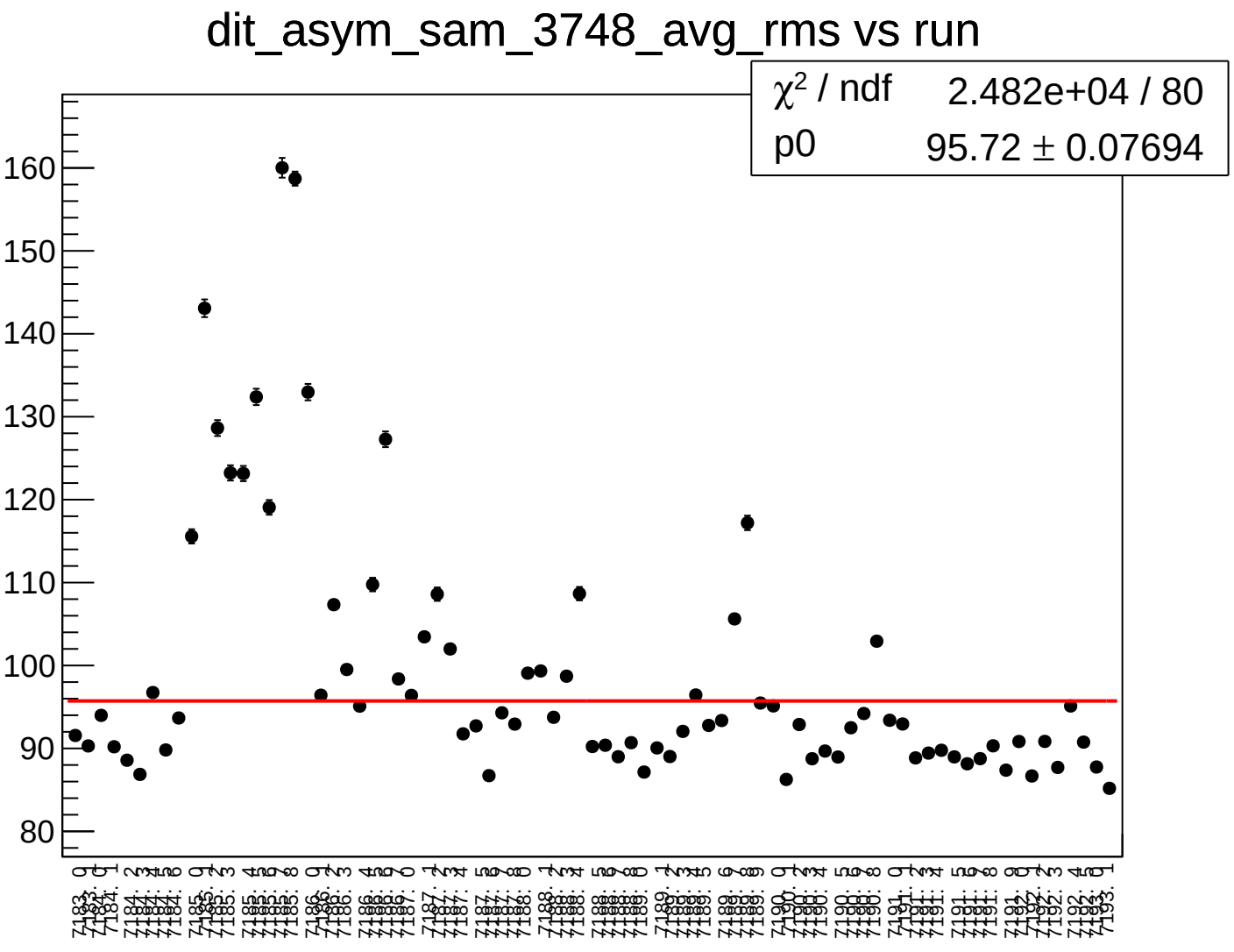

asym_sam_1548_avg_mean vs run
χ² / ndf 90.18 / 80
p0 −1304 ± 670.6
pull
Entries 81
Mean −17.56
Std Dev 63.56

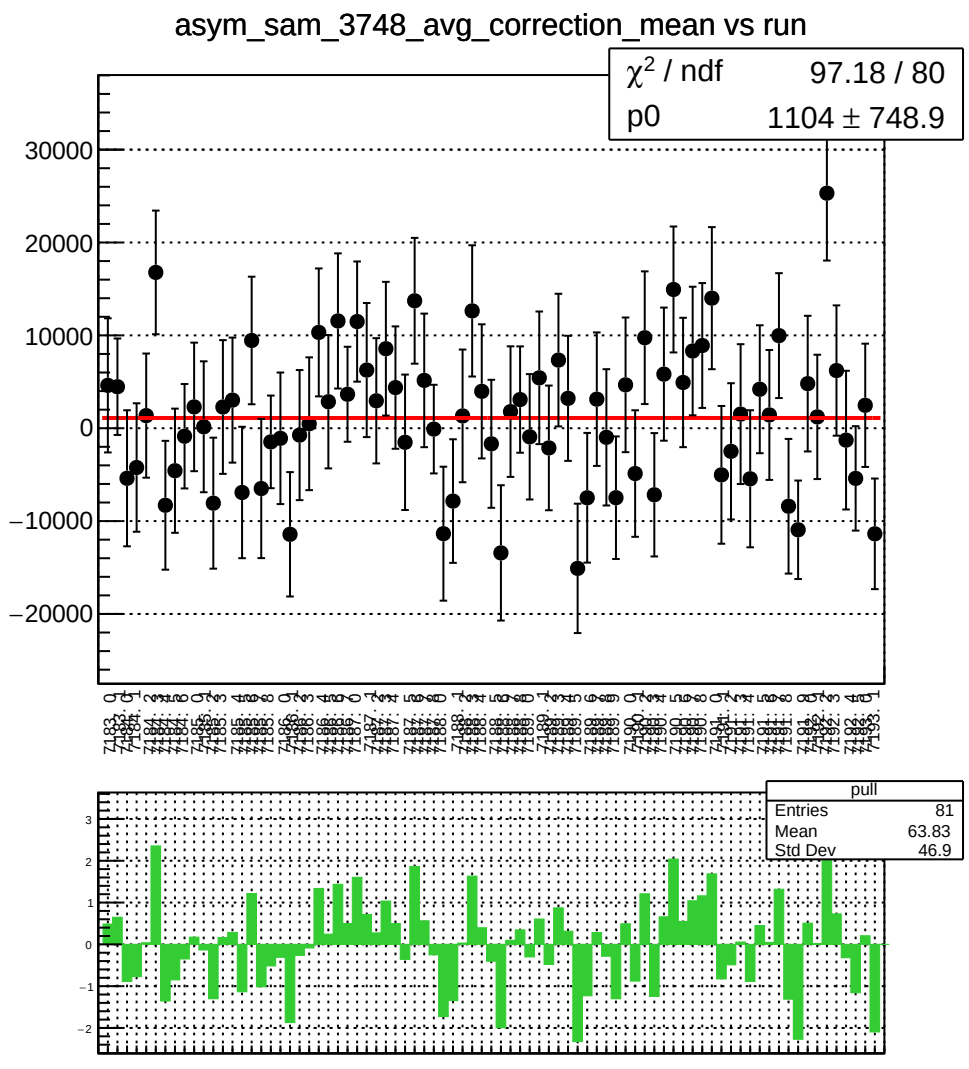

pull1D
Entries 81
Mean −0.01702
Std Dev 1.055

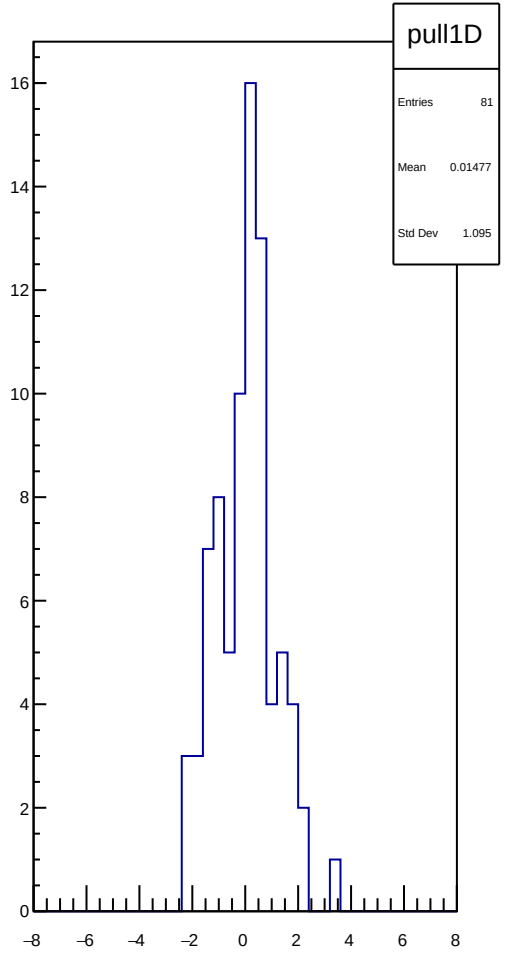

asym_sam_1548_avg_rms vs run
χ² / ndf 2801 / 80
p0 594.1 ± 0.4742
700
680
660
640
620
600
580
560
540

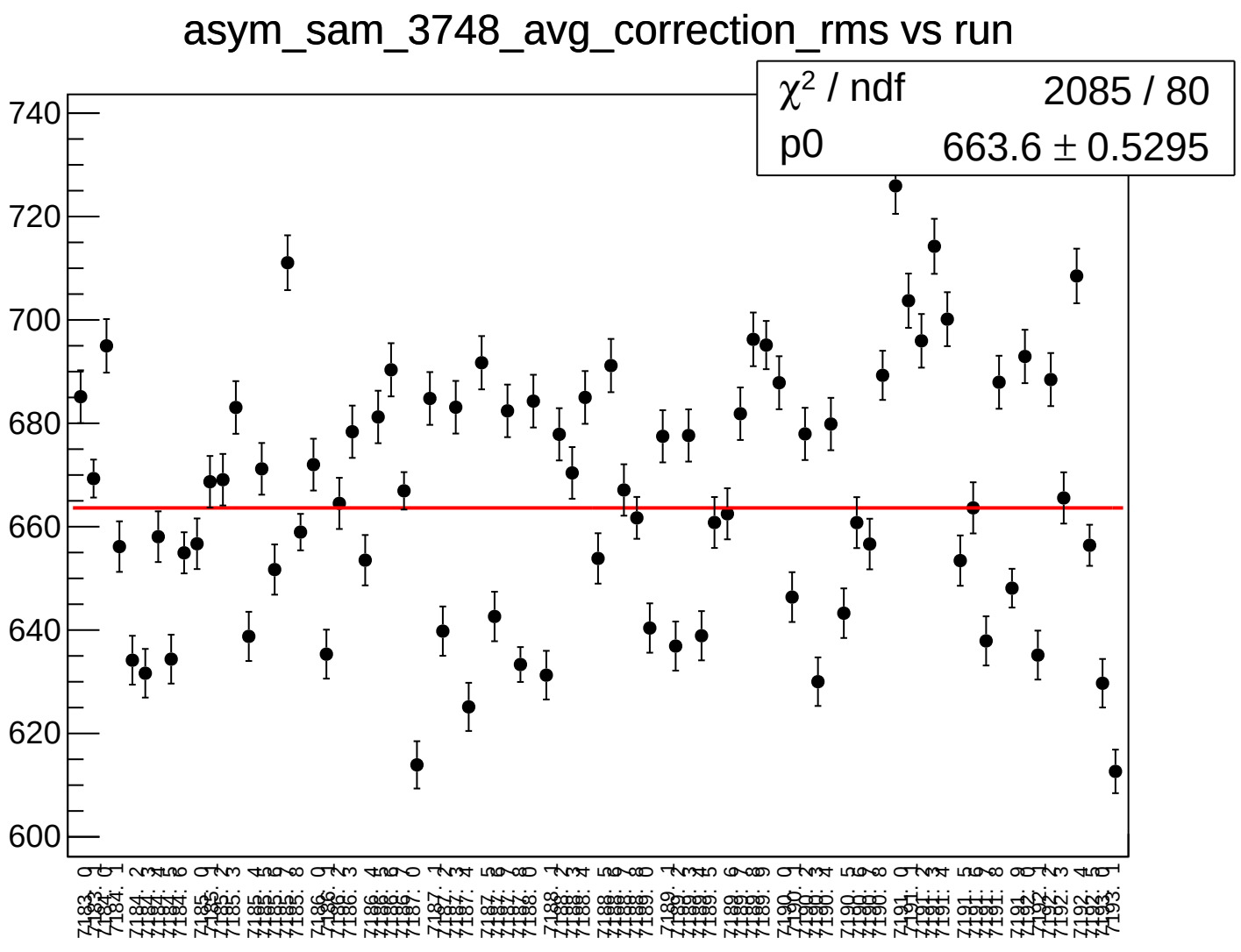

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 79.12 / 80
p0 120.6 ± 108.8
pull
Entries 81
Mean 1029
Std Dev 974.7

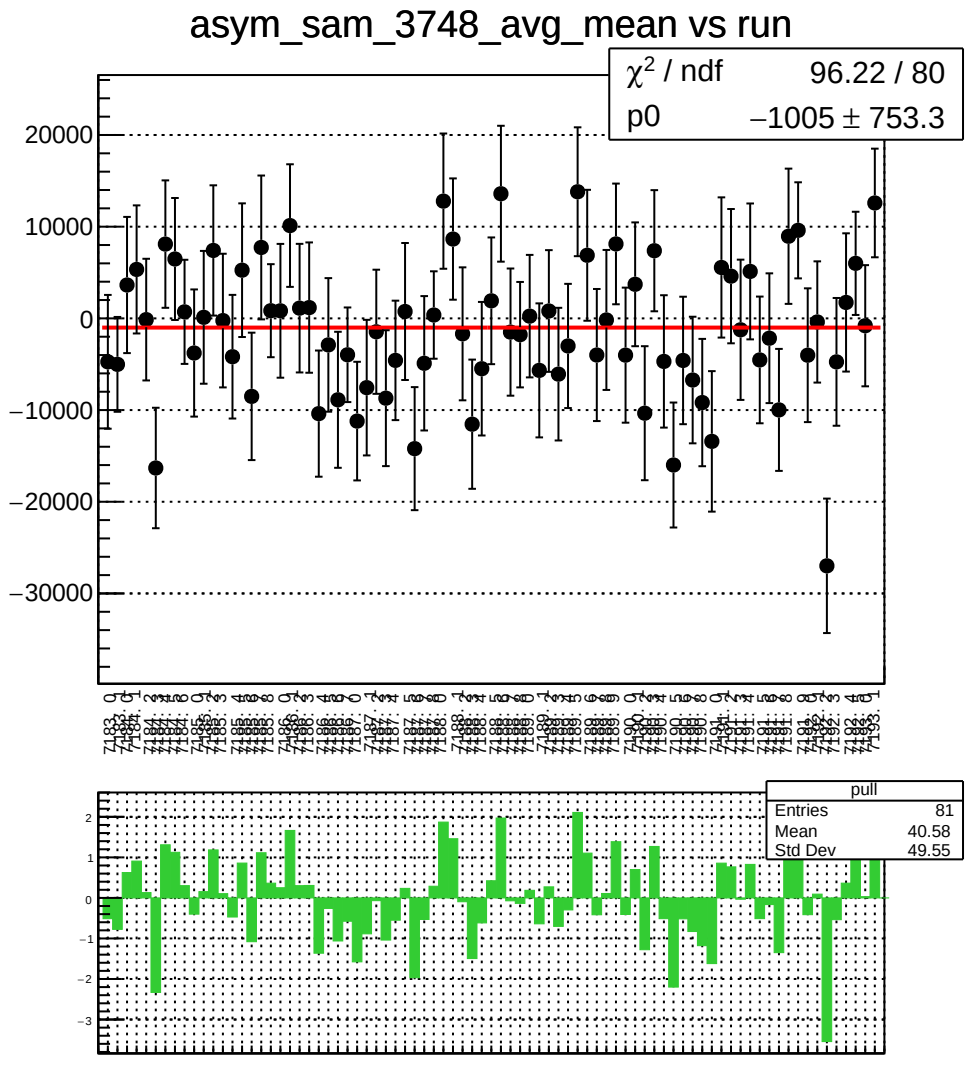

pull1D
Entries 81
Mean 0.001986
Std Dev 0.9883

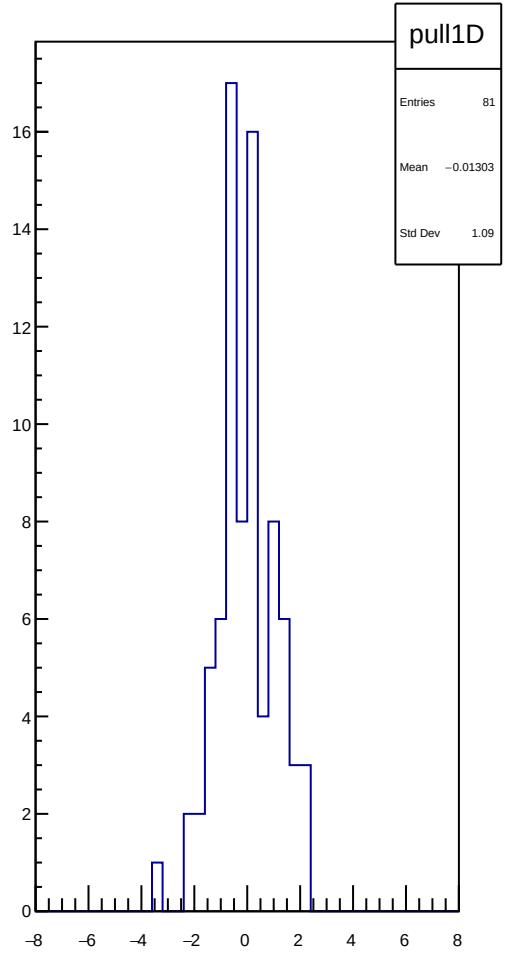

dit_asym_sam_3748_avg_rms vs run
$\chi^2$ / ndf 2.482e+04 / 80
p0 95.72 ± 0.07694
160
150
140
130
120
110
100
90
80

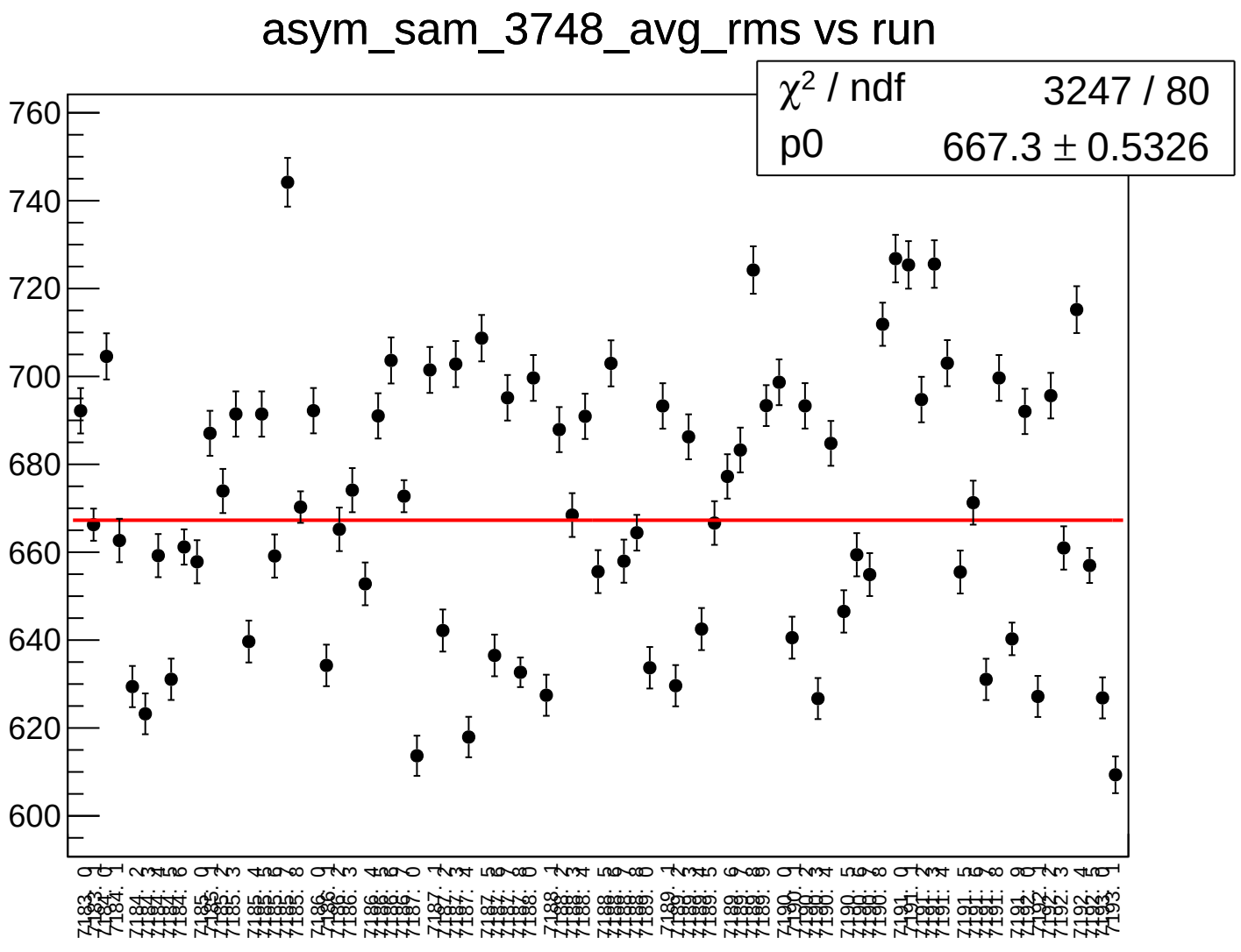

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 97.18 / 80
p0 1104 ± 748.9
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 63.83
Std Dev 46.9
3
2
1
0
−1
−2

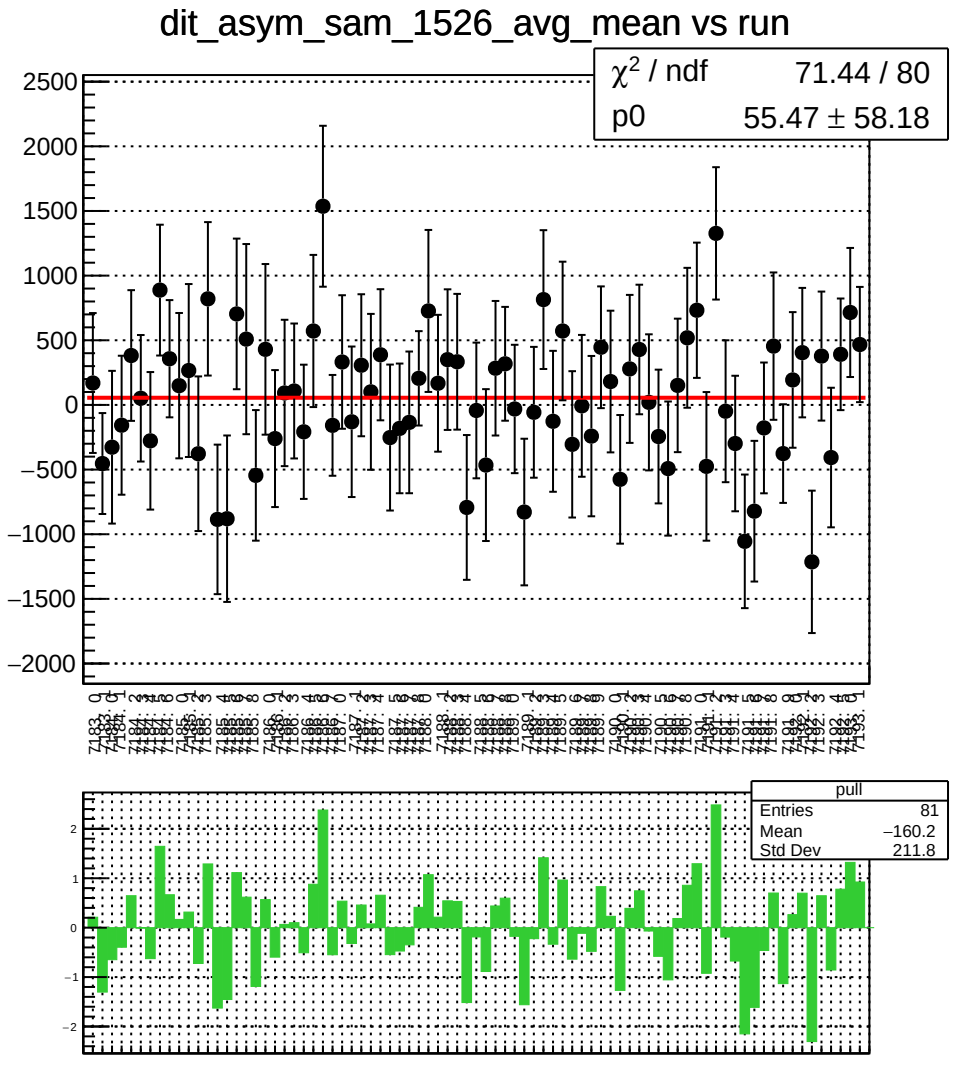

pull1D
Entries 81
Mean 0.01477
Std Dev 1.095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

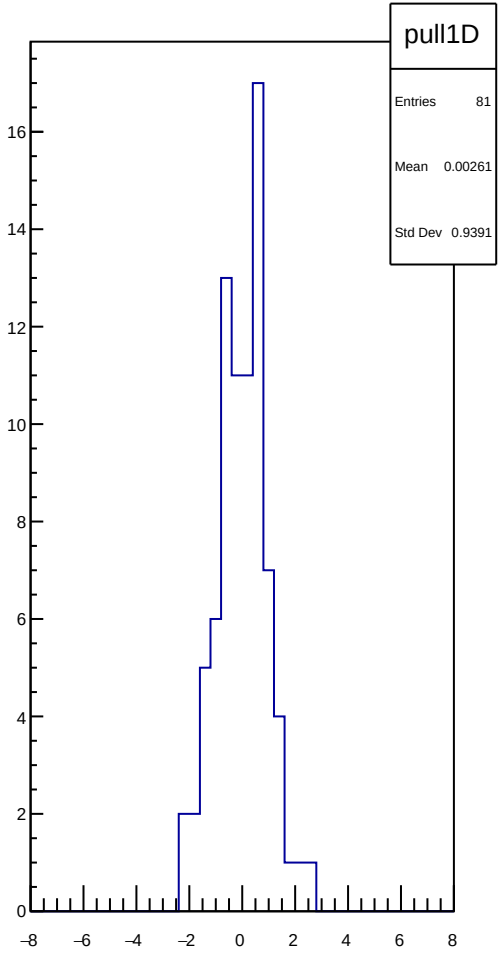

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2085 / 80
p0 663.6 ± 0.5295
740
720
700
680
660
640
620
600

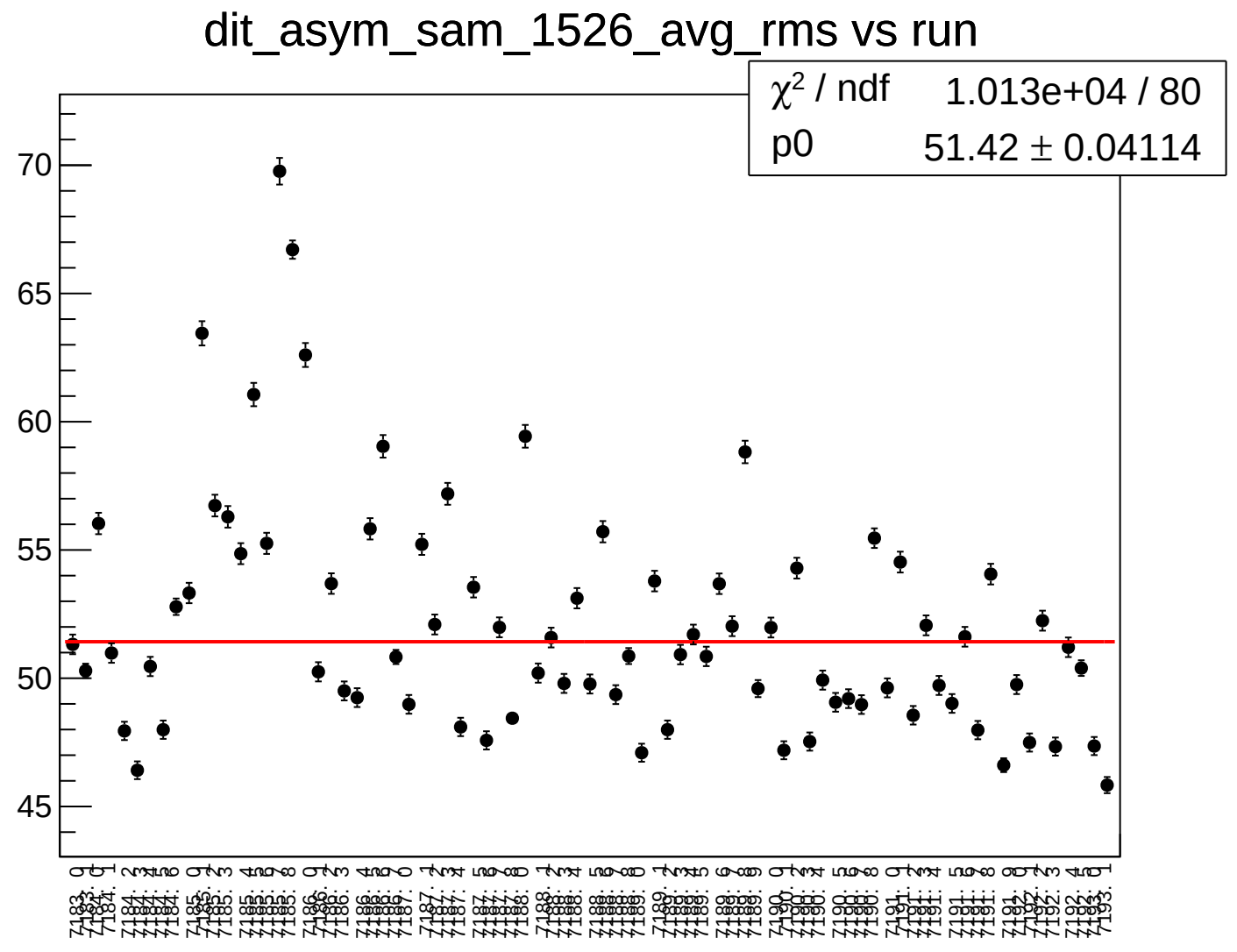

asym_sam_3748_avg_mean vs run
χ² / ndf 96.22 / 80
p0 −1005 ± 753.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 40.58
Std Dev 49.55
2
1
0
−1
−2
−3

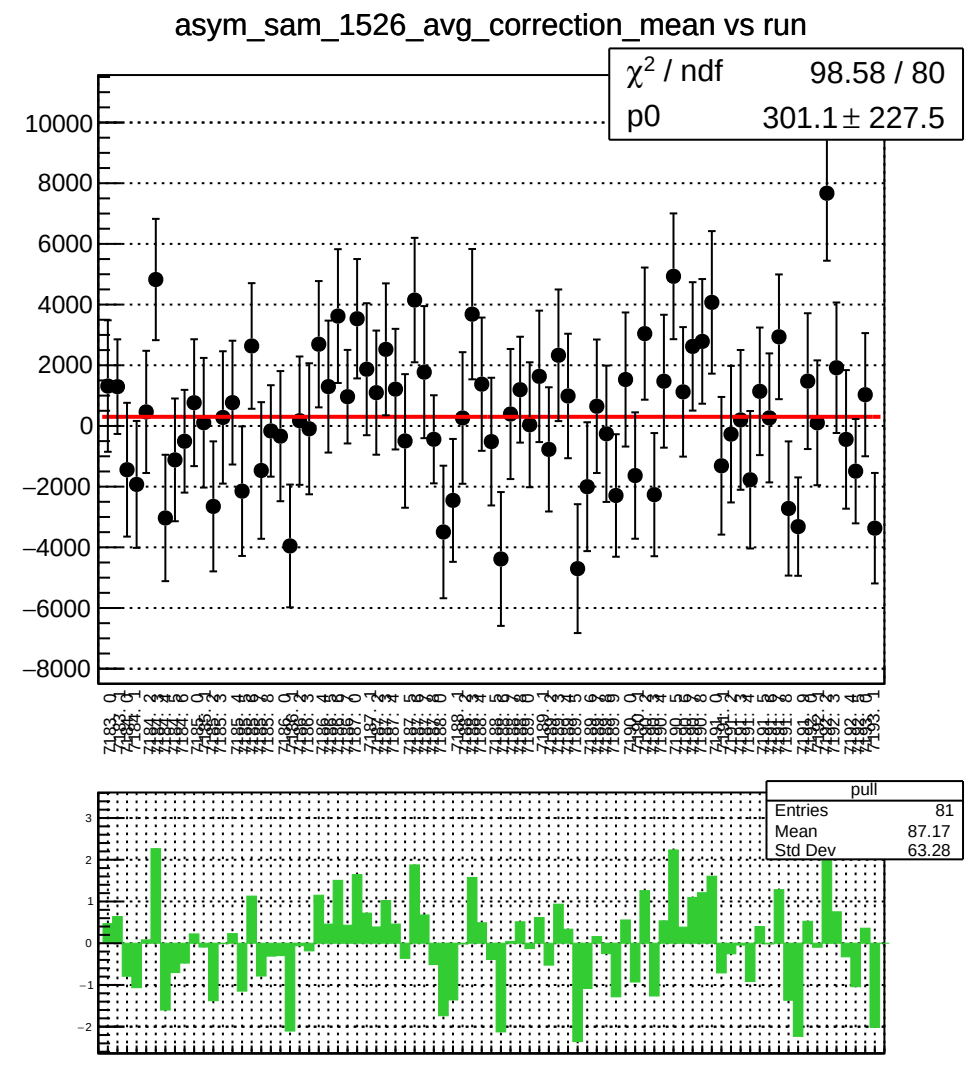

pull1D
Entries 81
Mean −0.01303
Std Dev 1.09
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

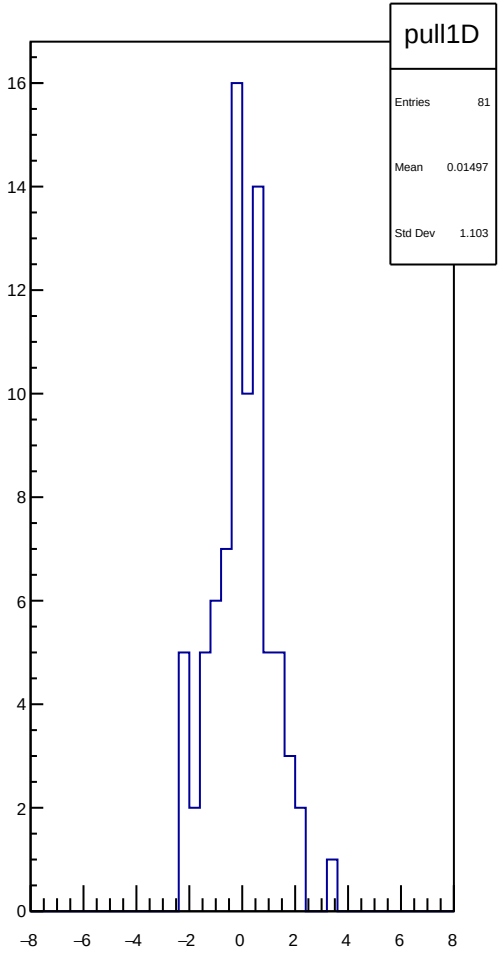

asym_sam_3748_avg_rms vs run
χ² / ndf 3247 / 80
p0 667.3 ± 0.5326
760
740
720
700
680
660
640
620
600

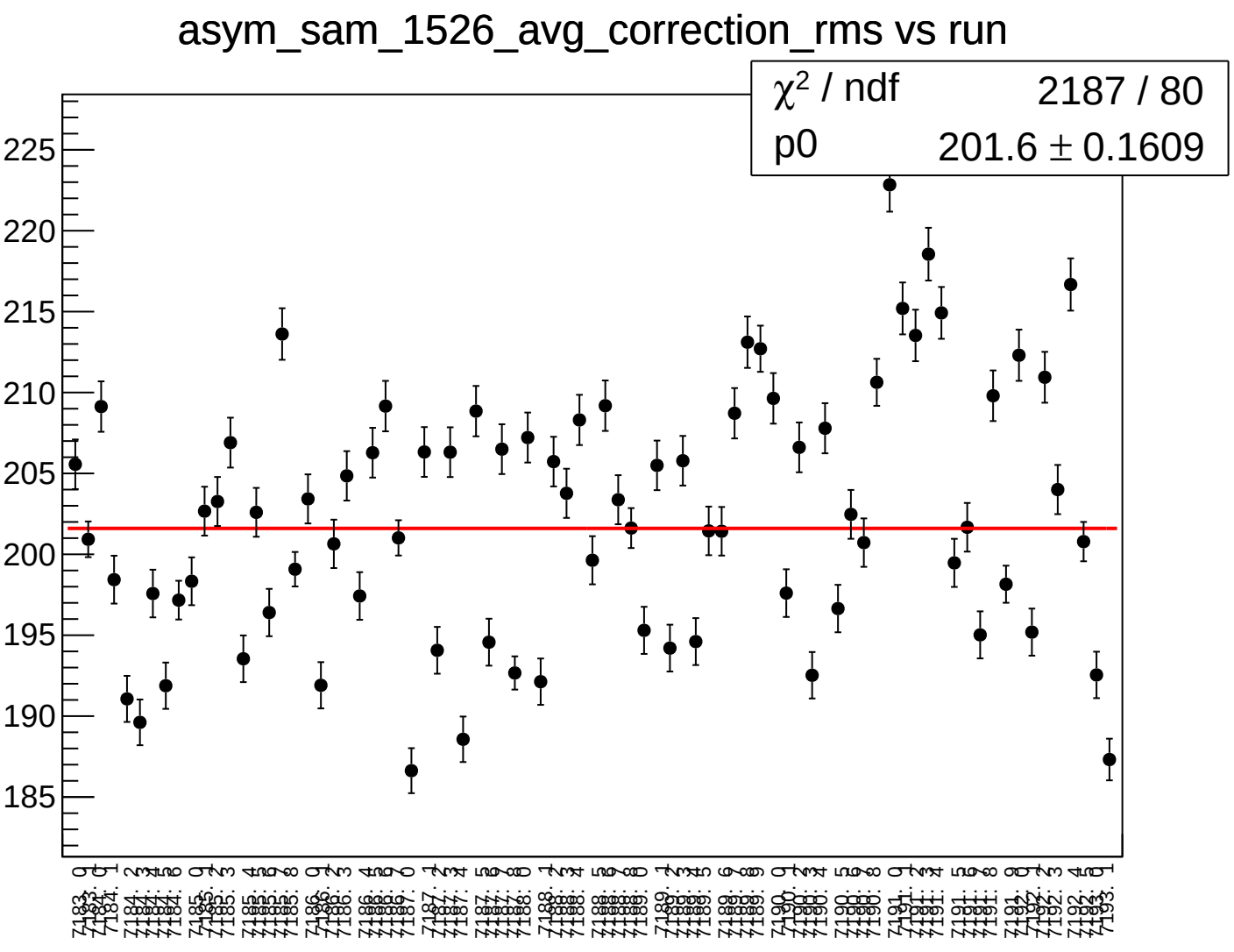

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 71.44 / 80
p0 55.47 ± 58.18
pull
Entries 81
Mean −160.2
Std Dev 211.8

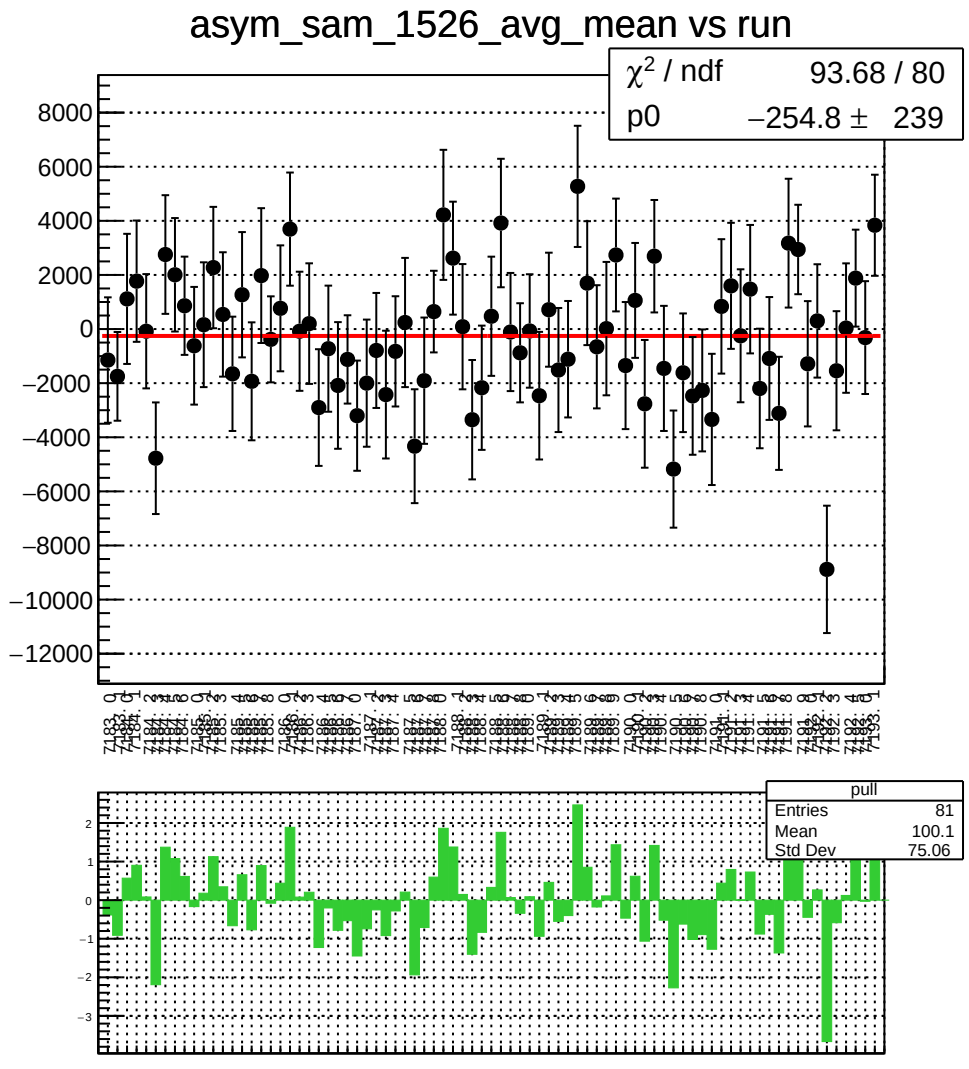

pull1D
Entries 81
Mean 0.00261
Std Dev 0.9391

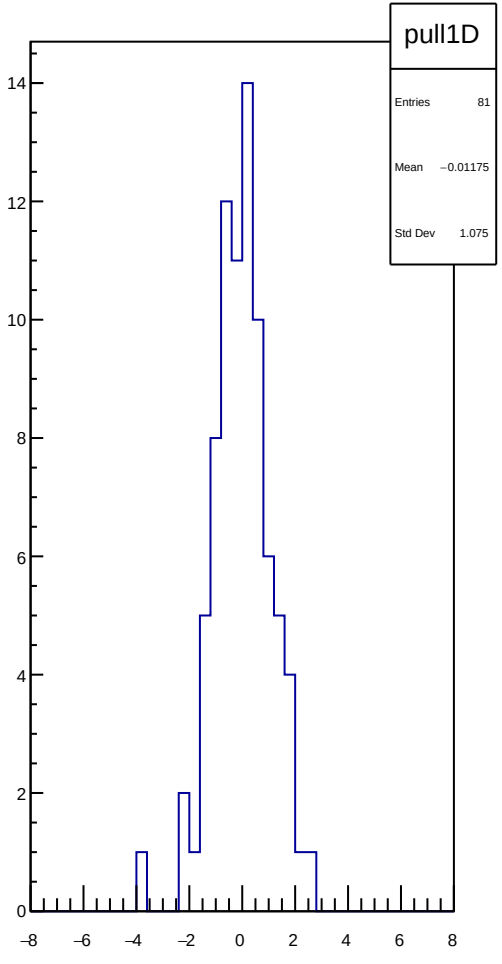

dit_asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 1.013e+04 / 80
p0 51.42 ± 0.04114
70
65
60
55
50
45

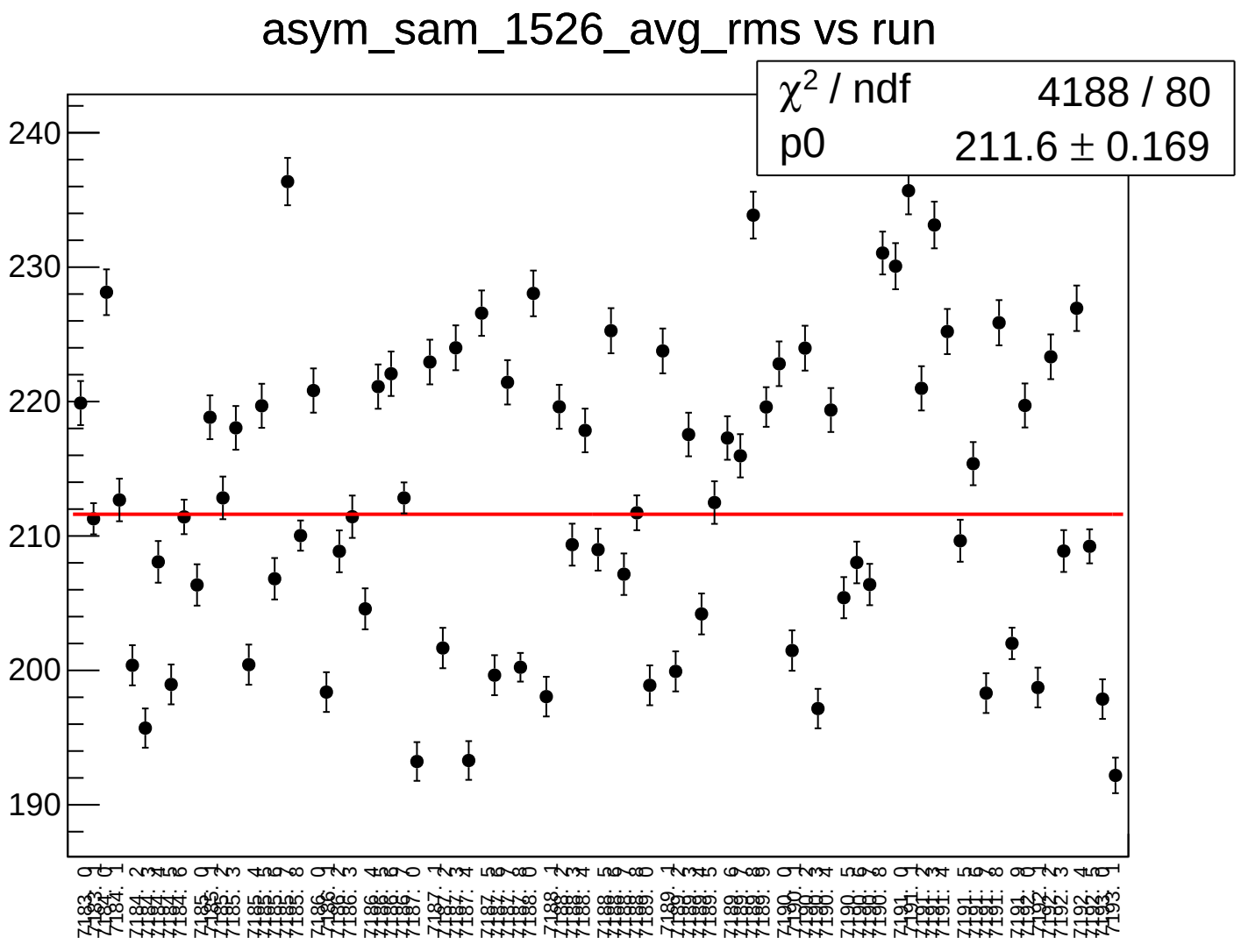

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 98.58 / 80
p0 301.1 ± 227.5
pull
Entries 81
Mean 87.17
Std Dev 63.28

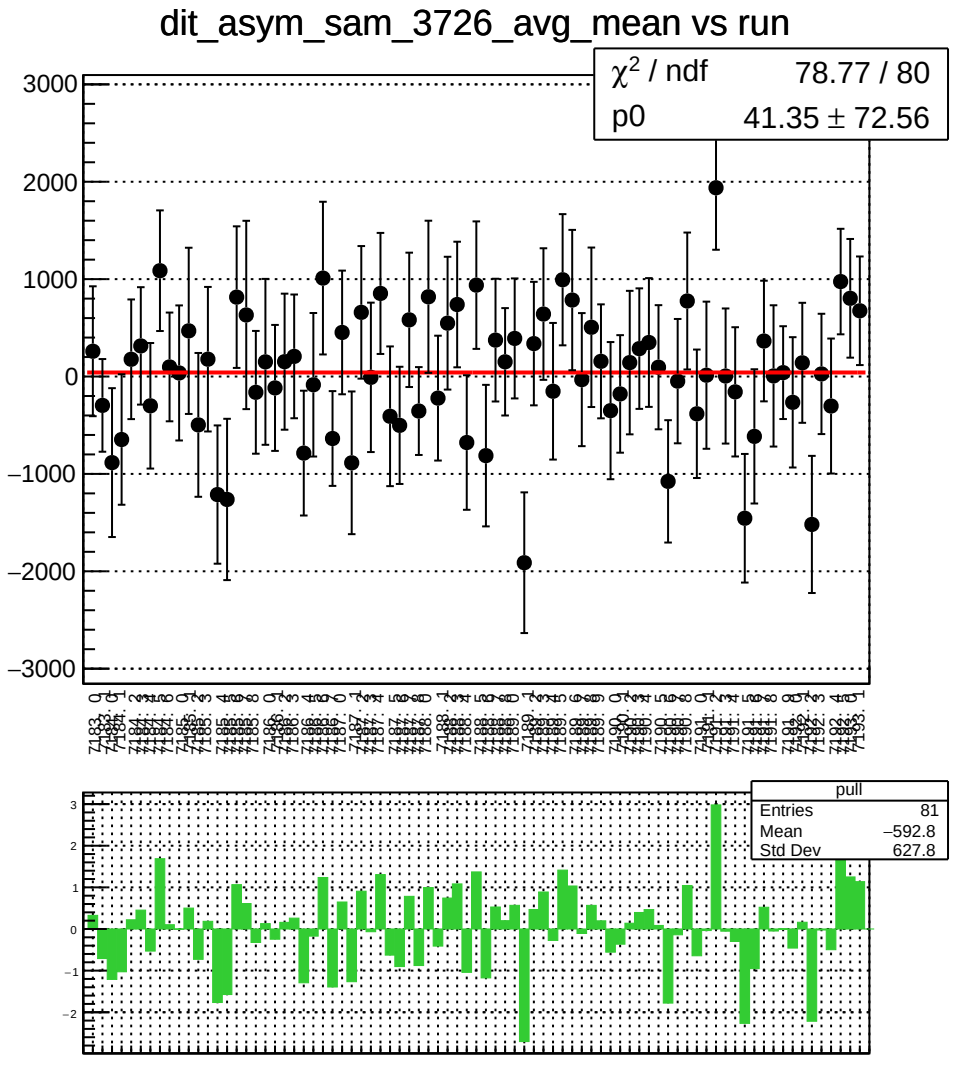

pull1D
Entries 81
Mean 0.01497
Std Dev 1.103

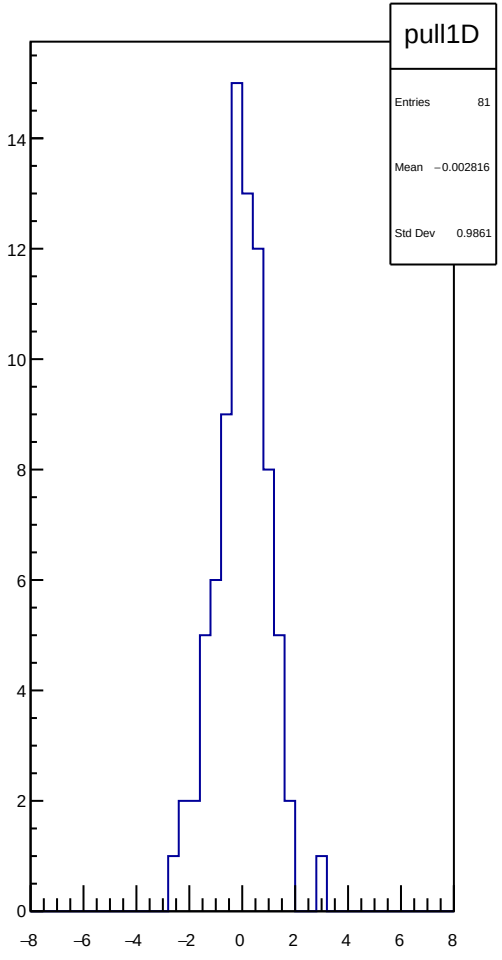

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2187 / 80
p0 201.6 ± 0.1609
225
220
215
210
205
200
195
190
185

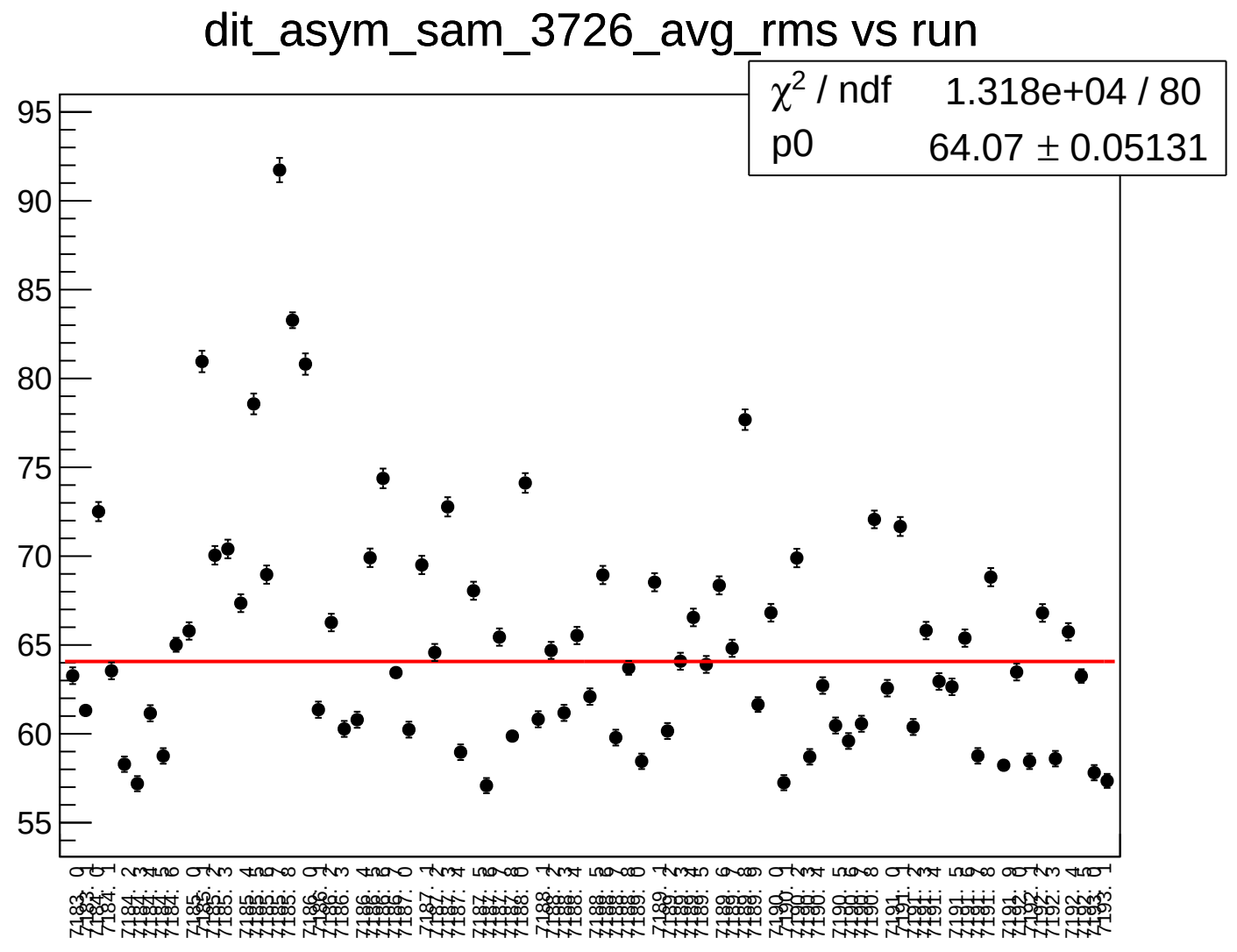

asym_sam_1526_avg_mean vs run
χ² / ndf 93.68 / 80
p0 −254.8 ± 239
pull
Entries 81
Mean 100.1
Std Dev 75.06

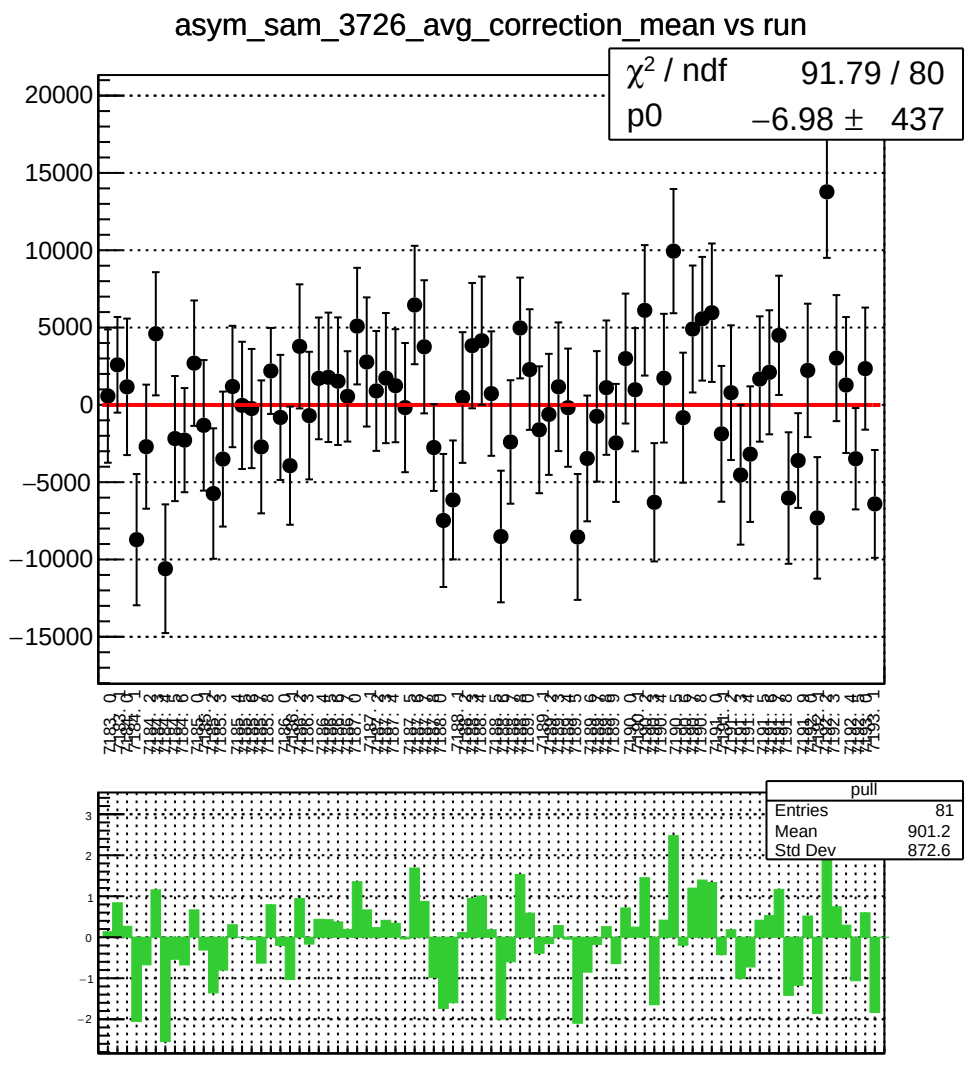

pull1D
Entries 81
Mean −0.01175
Std Dev 1.075

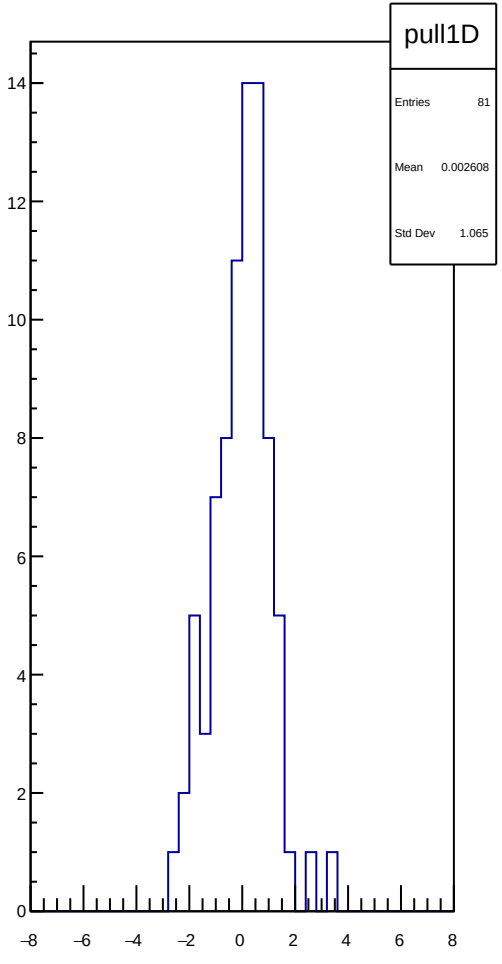

asym_sam_1526_avg_rms vs run
χ² / ndf 4188 / 80
p0 211.6 ± 0.169
240
230
220
210
200
190

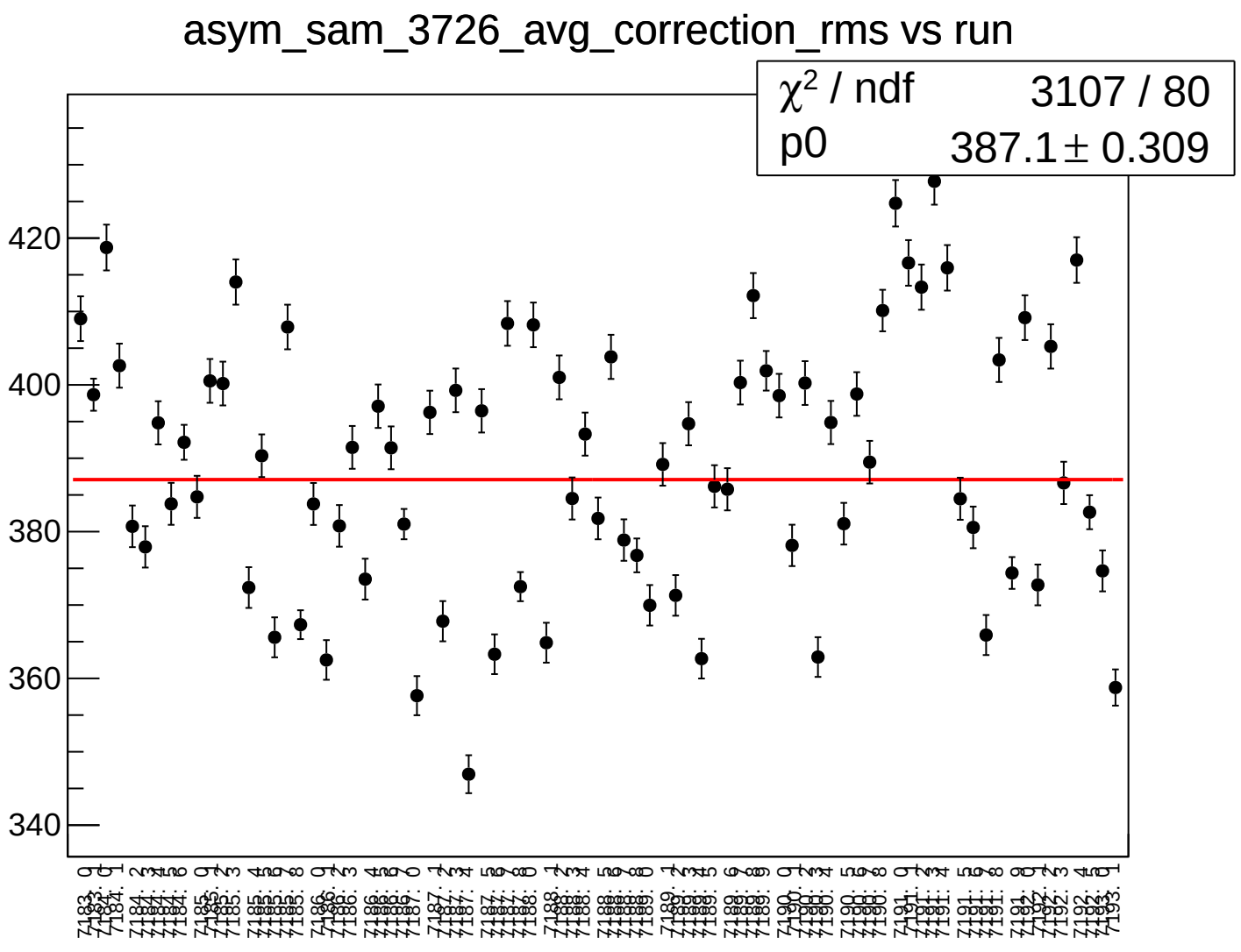

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 78.77 / 80
p0 41.35 ± 72.56
pull
Entries 81
Mean −592.8
Std Dev 627.8

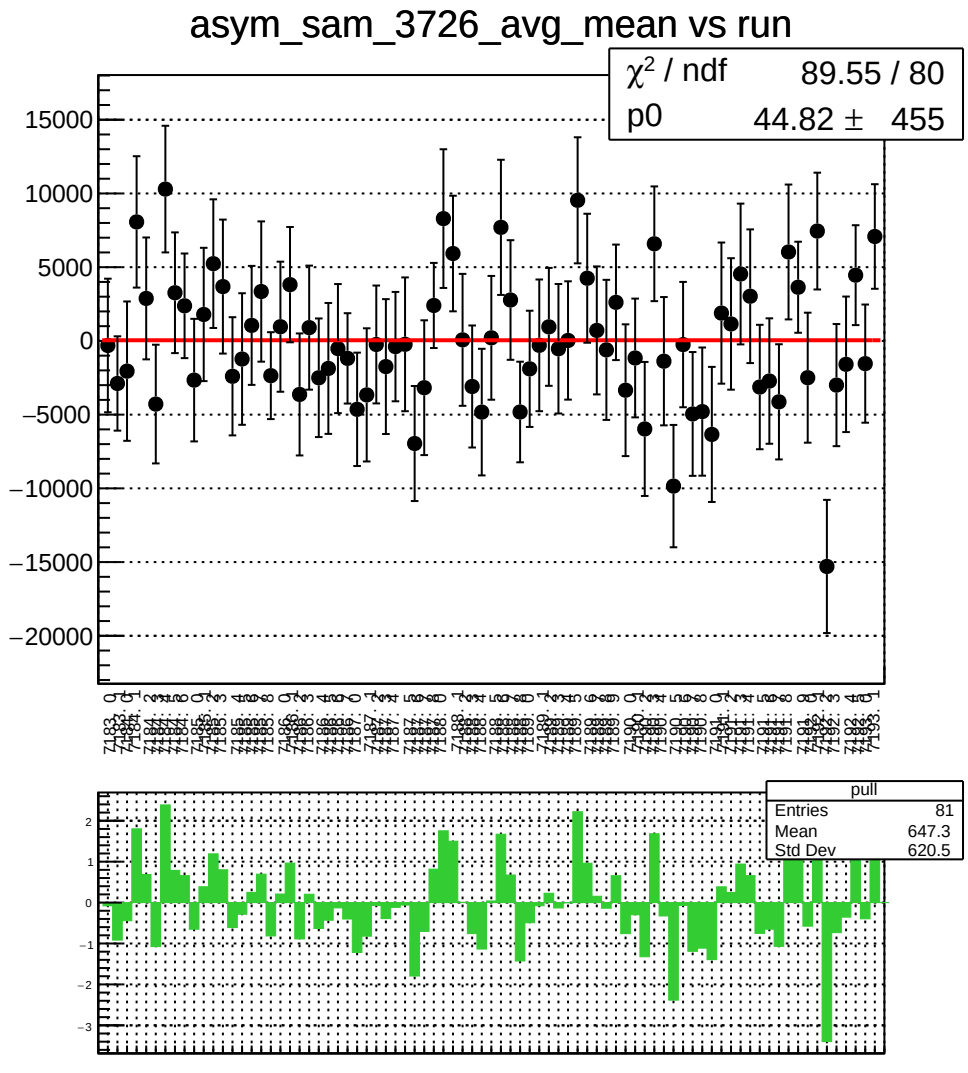

pull1D
Entries 81
Mean −0.002816
Std Dev 0.9861

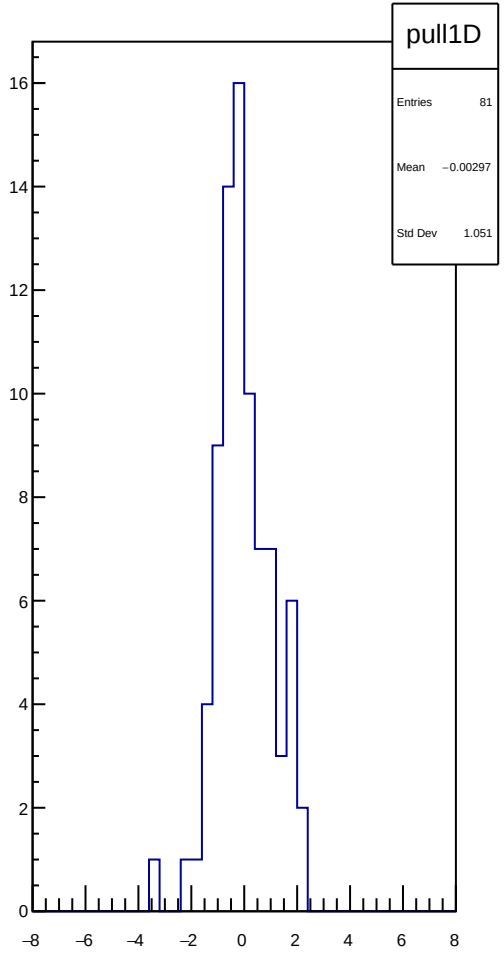

dit_asym_sam_3726_avg_rms vs run
$\chi^2$ / ndf 1.318e+04 / 80
p0 64.07 ± 0.05131
95
90
85
80
75
70
65
60
55

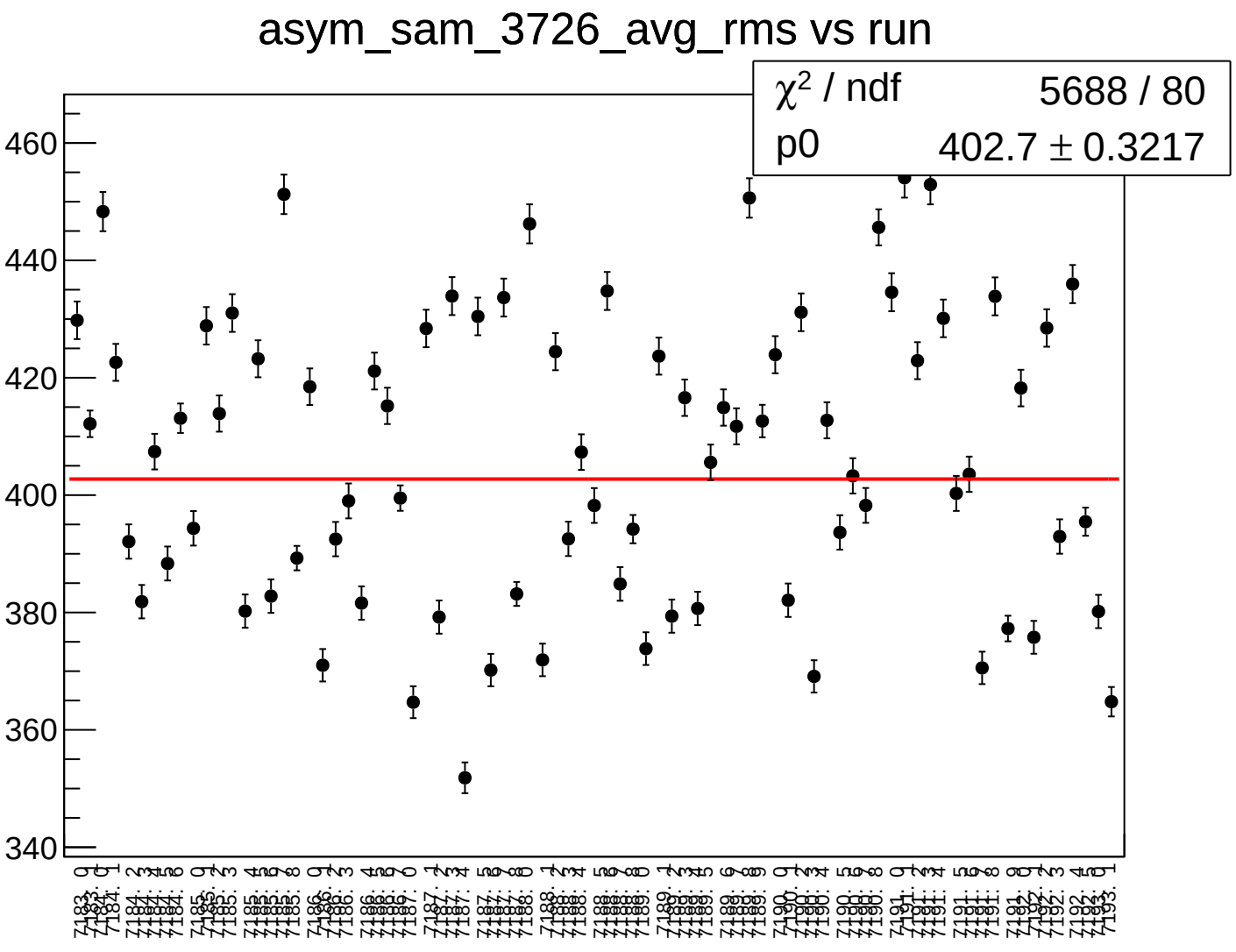

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 91.79 / 80
p0 −6.98 ± 437
pull
Entries 81
Mean 901.2
Std Dev 872.6

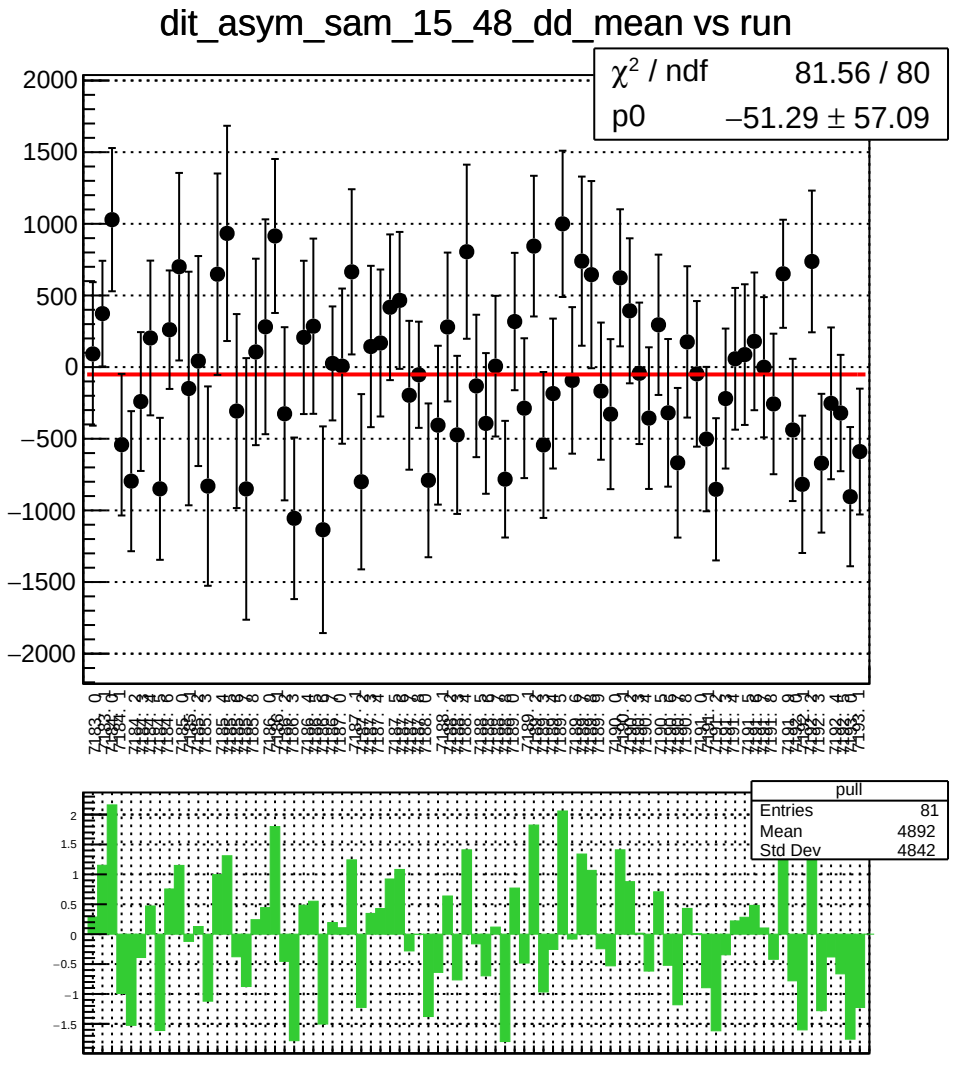

pull1D
Entries 81
Mean 0.002608
Std Dev 1.065

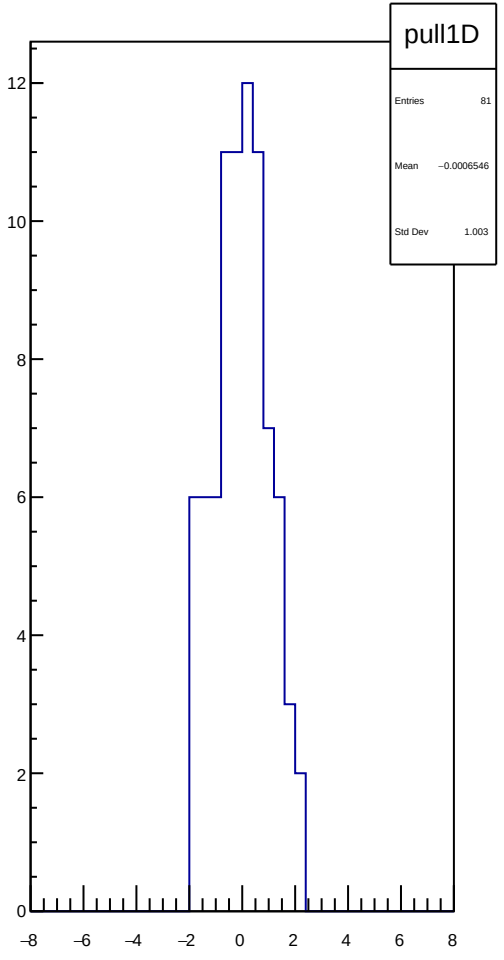

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3107 / 80
p0 387.1 ± 0.309
420
400
380
360
340

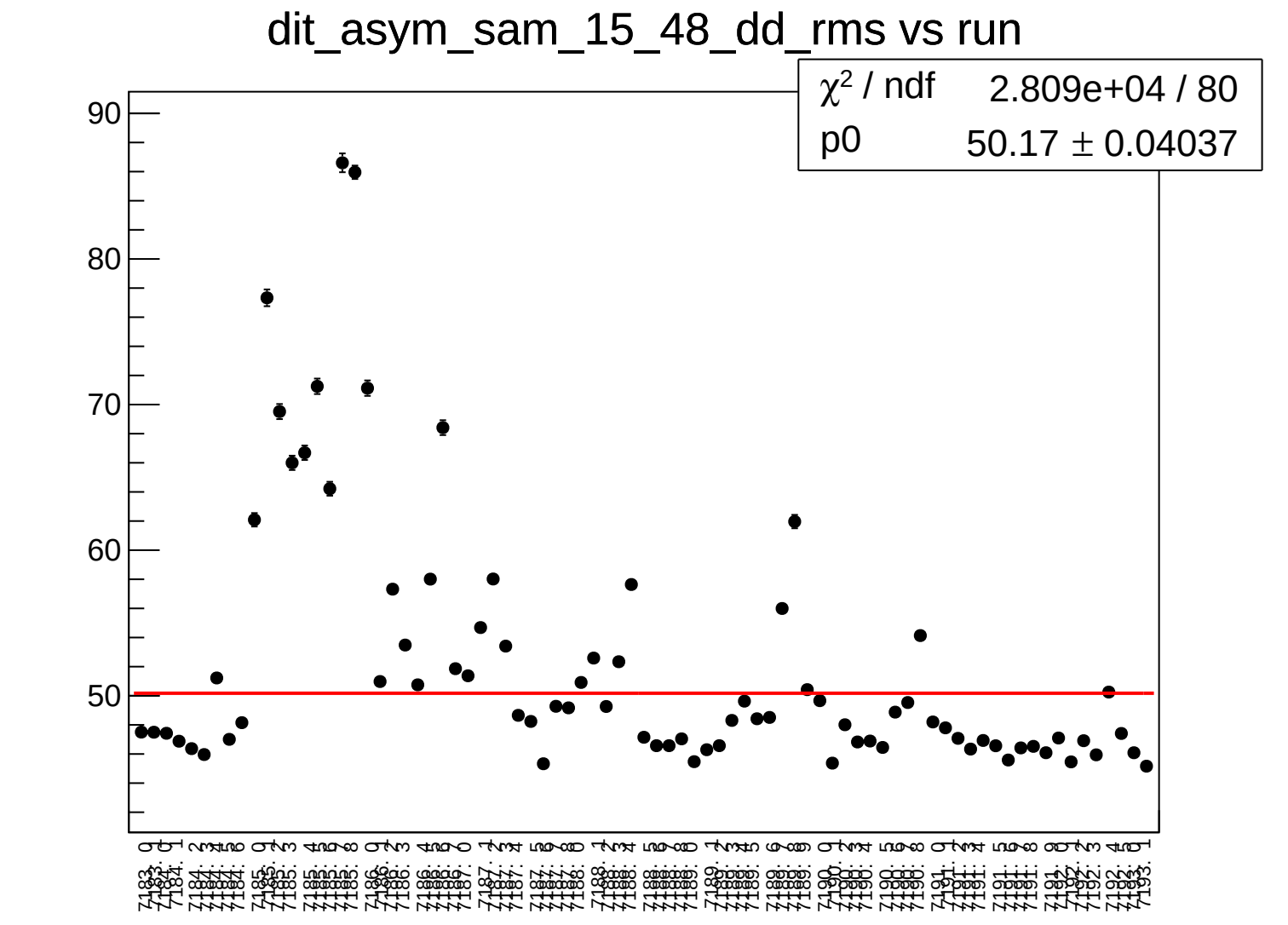

asym_sam_3726_avg_mean vs run
χ² / ndf 89.55 / 80
p0 44.82 ± 455
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 81
Mean 647.3
Std Dev 620.5
2
1
0
−1
−2
−3

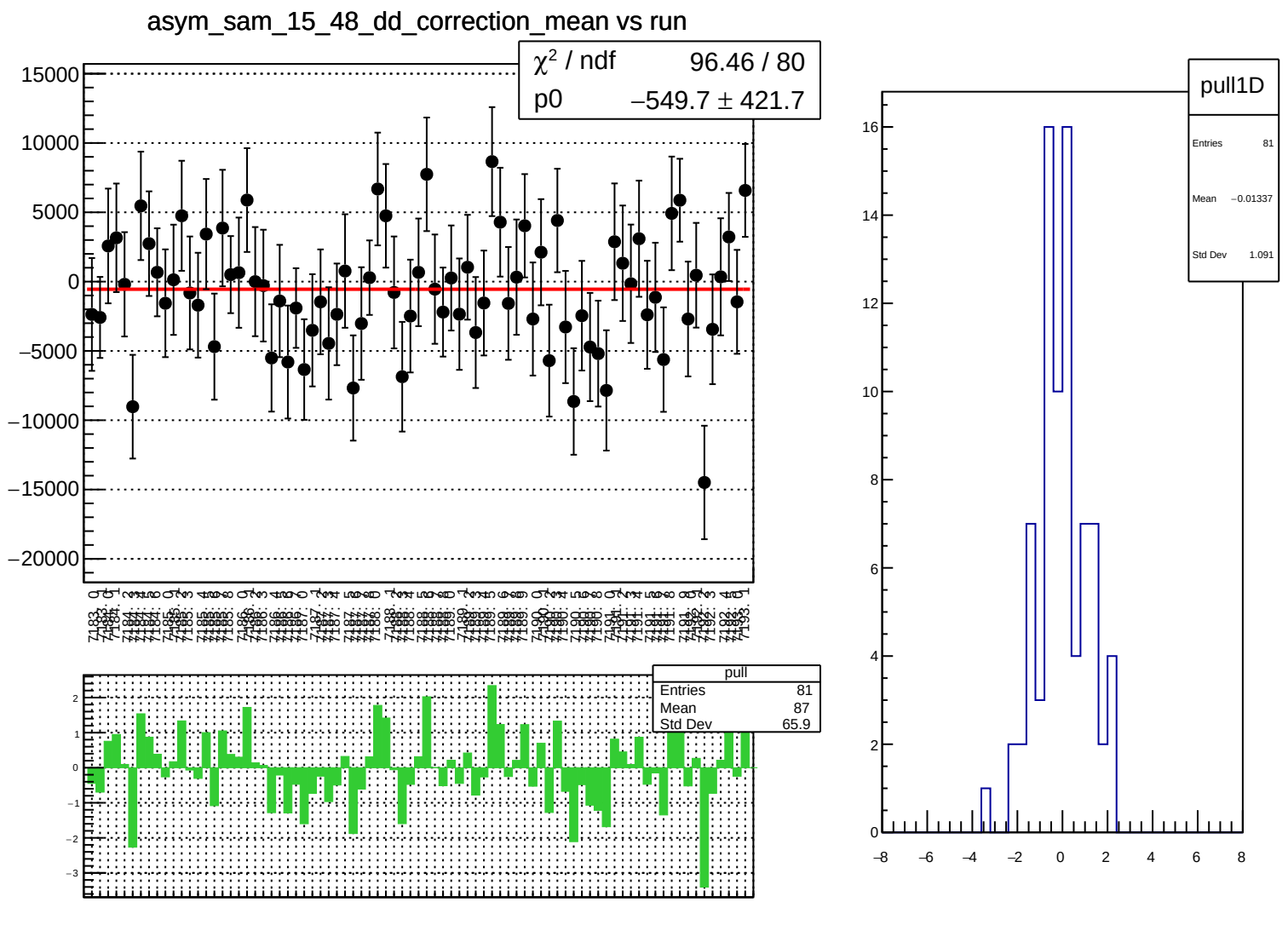

pull1D
Entries 81
Mean −0.00297
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

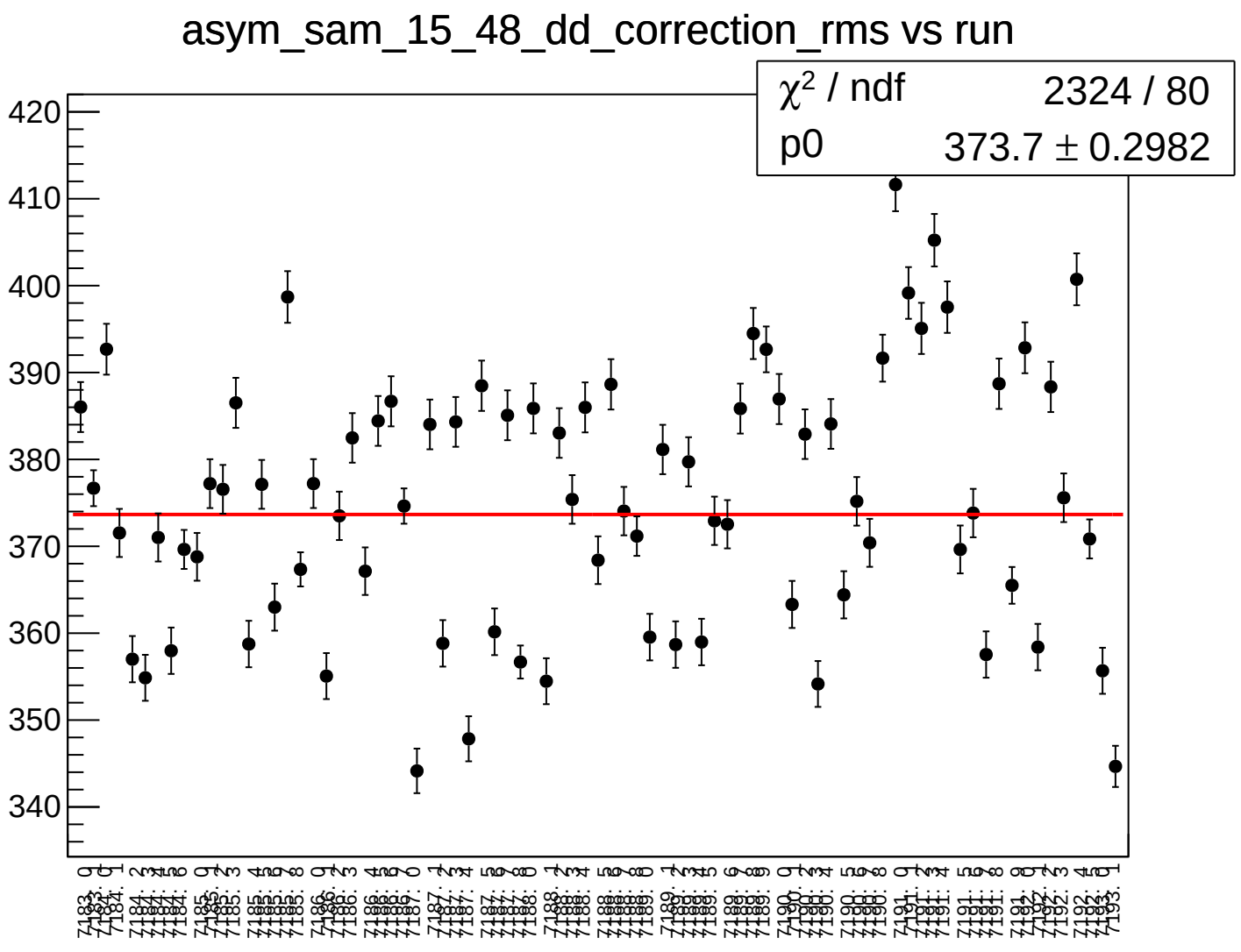

asym_sam_3726_avg_rms vs run
$\chi^2$ / ndf 5688 / 80
p0 402.7 ± 0.3217
460
440
420
400
380
360
340

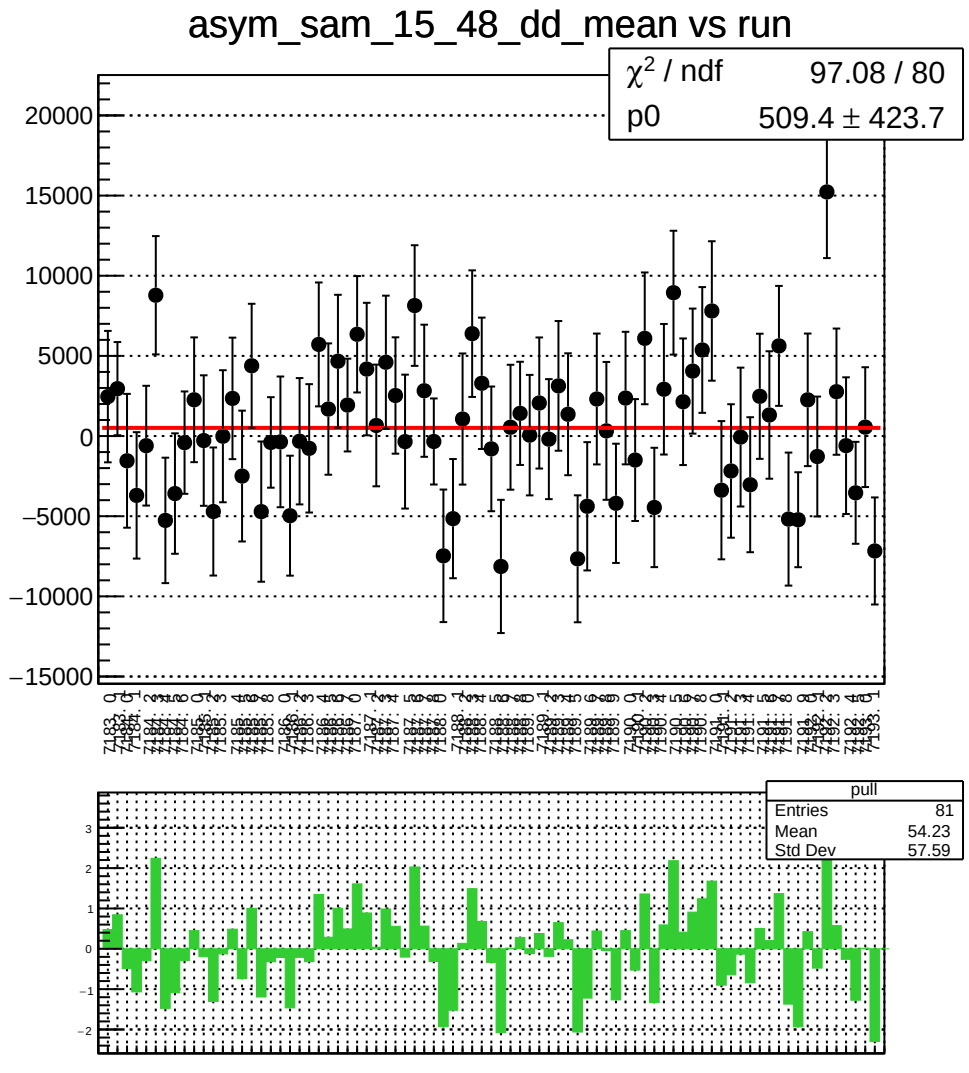

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 81.56 / 80
p0 −51.29 ± 57.09
pull
Entries 81
Mean 4892
Std Dev 4842

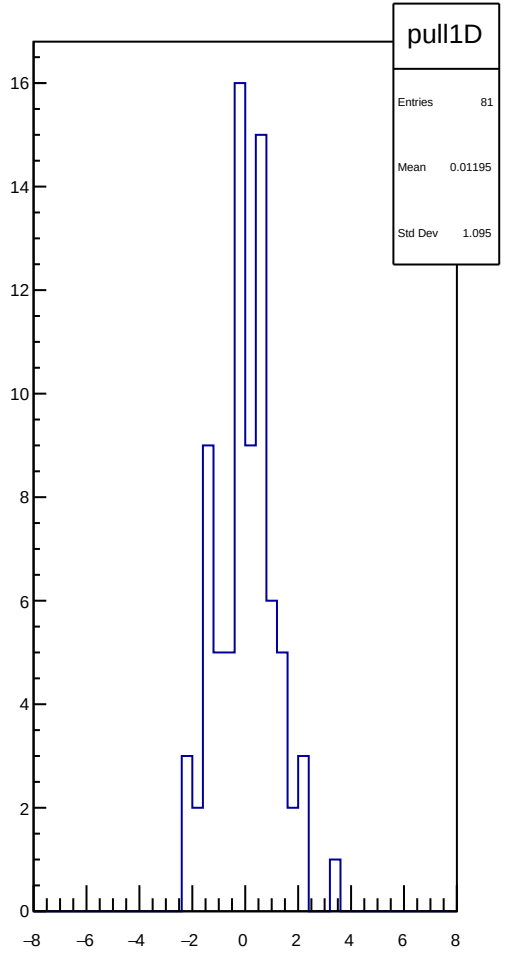

pull1D
Entries 81
Mean −0.0006546
Std Dev 1.003

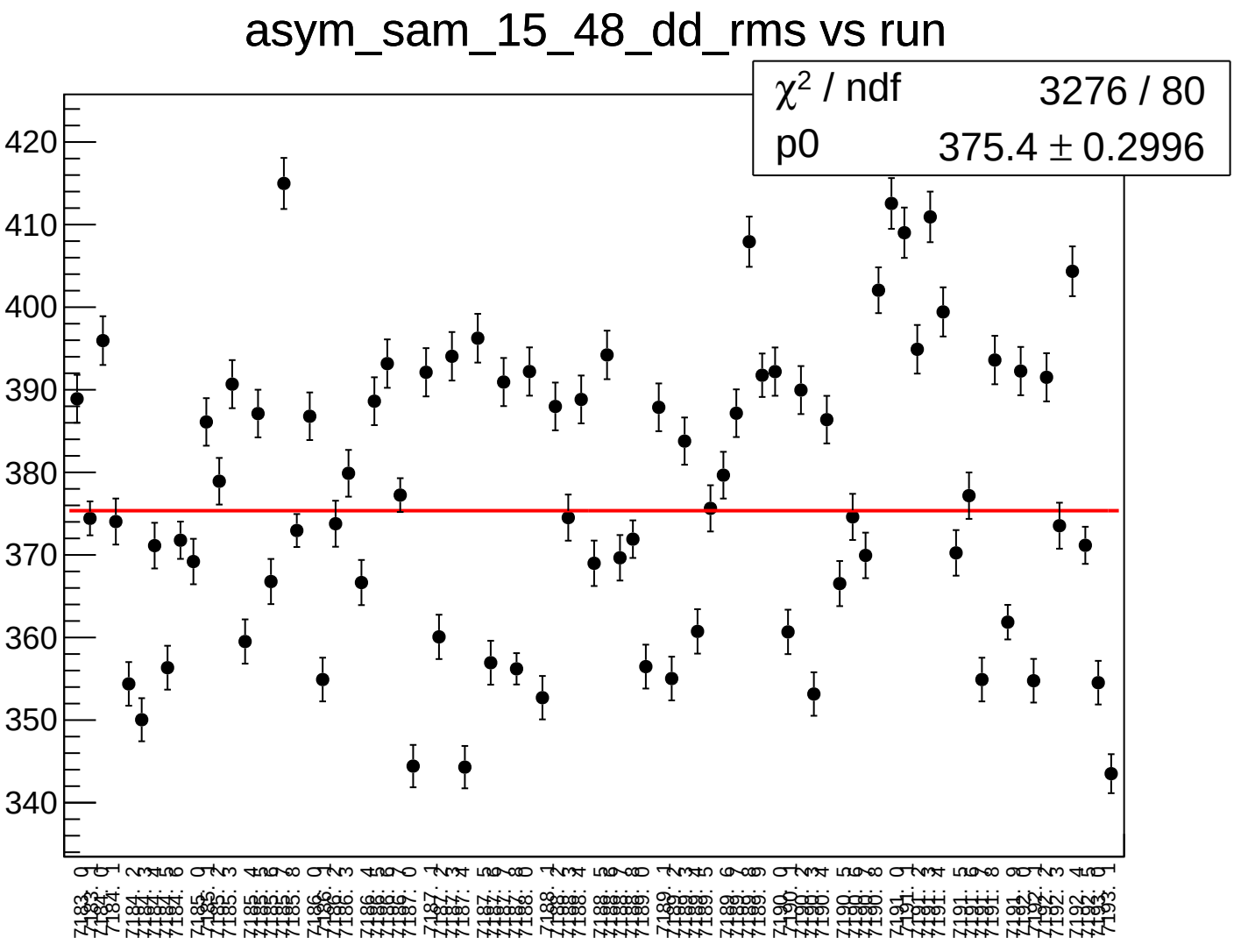

dit_asym_sam_15_48_dd_rms vs run
$\chi^2$ / ndf 2.809e+04 / 80
p0 50.17 ± 0.04037
90
80
70
60
50

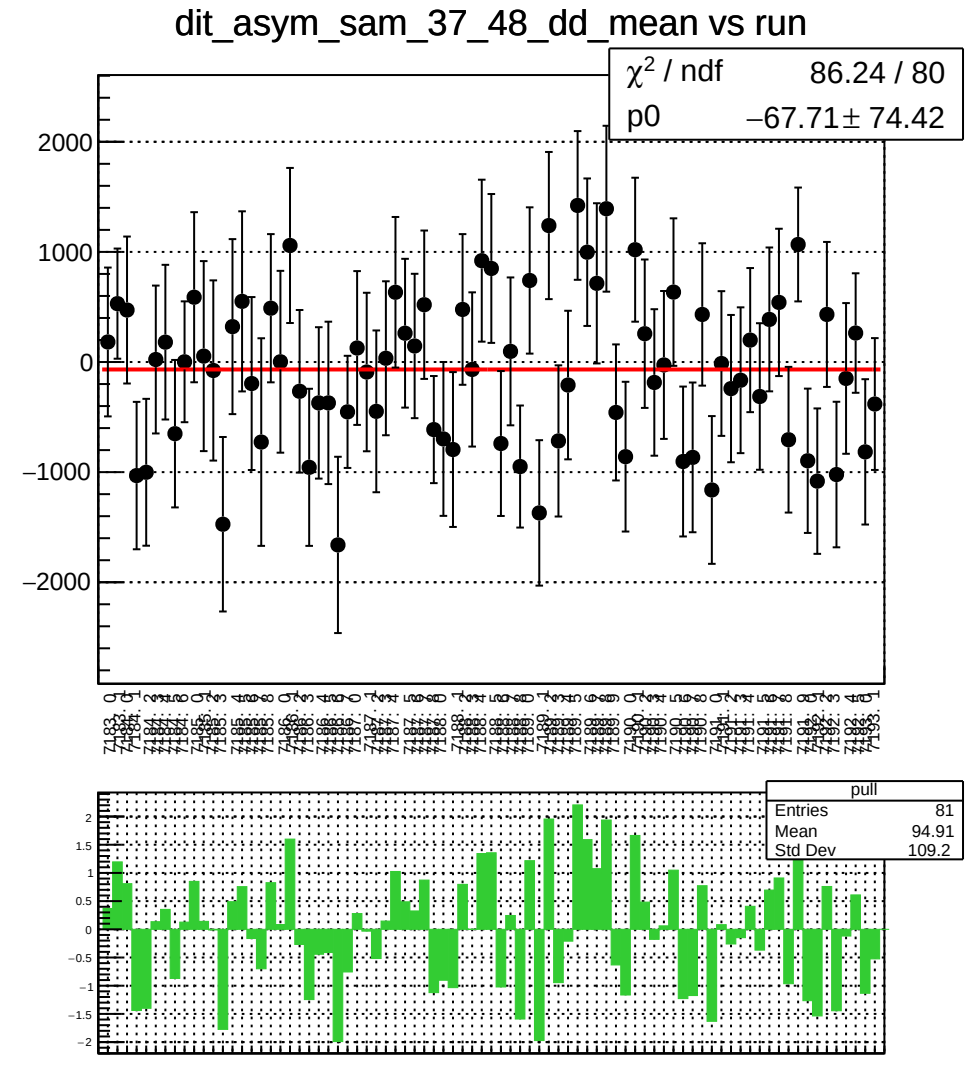

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 96.46 / 80
p0 −549.7 ± 421.7
pull
Entries 81
Mean 87
Std Dev 65.9
pull1D
Entries 81
Mean −0.01337
Std Dev 1.091

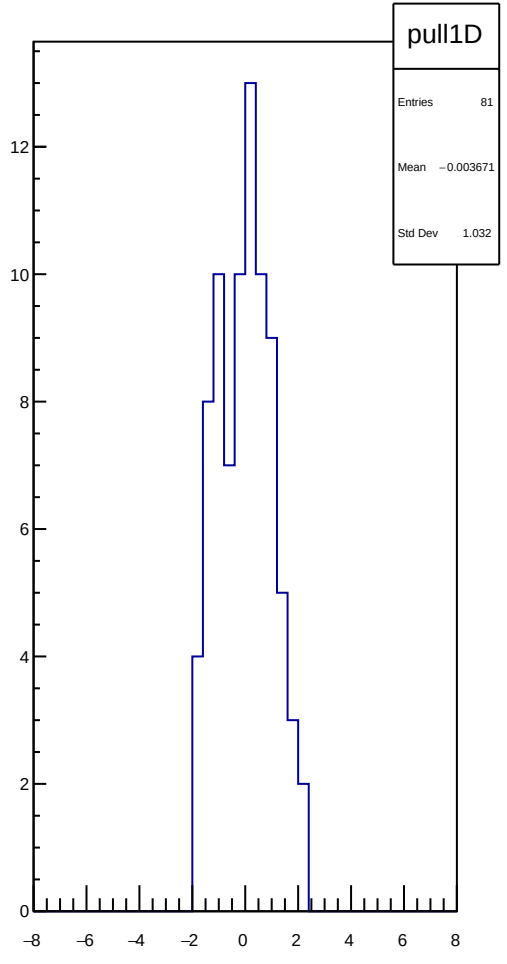

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2324 / 80
p0 373.7 ± 0.2982
420
410
400
390
380
370
360
350
340

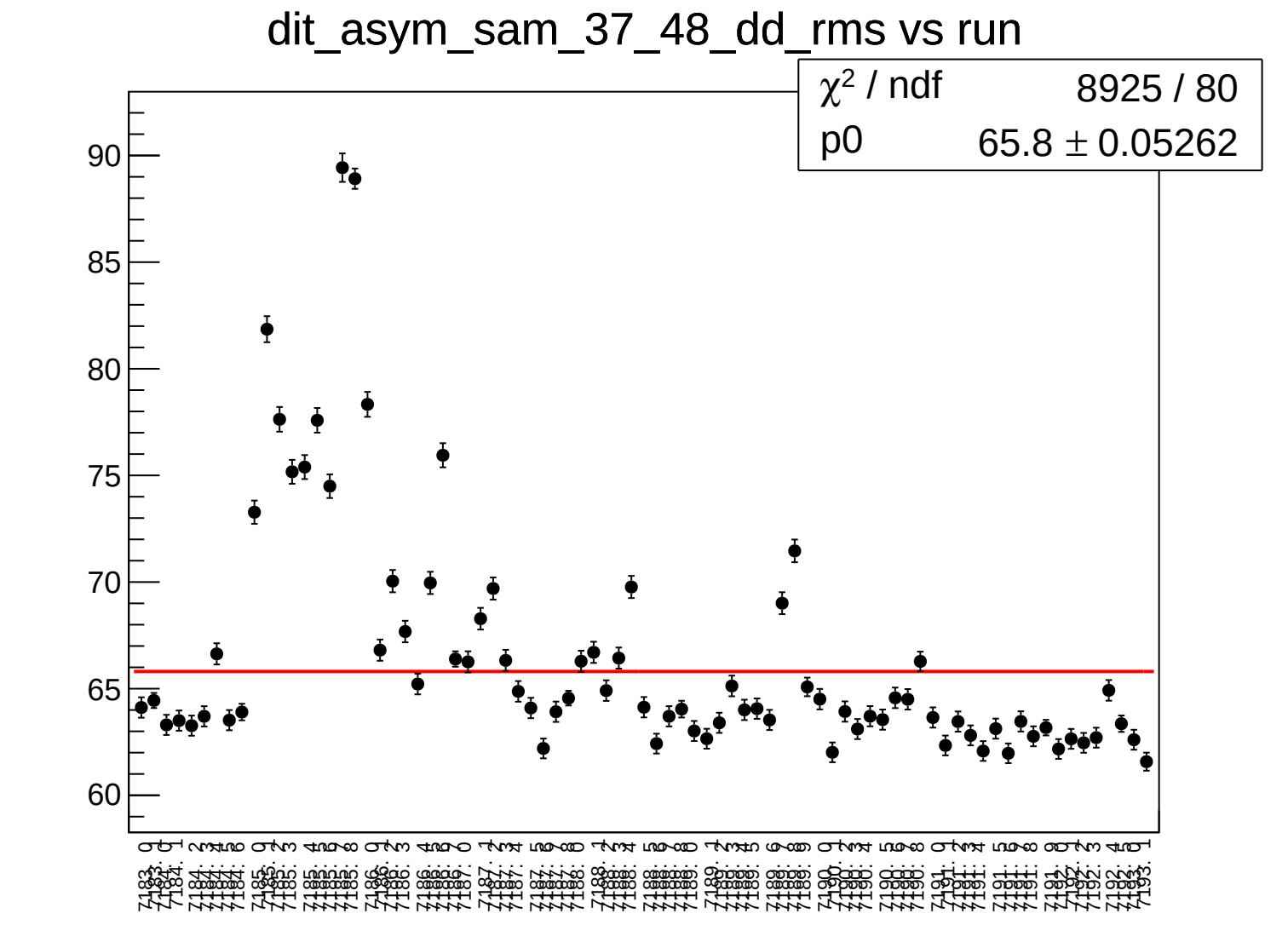

asym_sam_15_48_dd_mean vs run
χ² / ndf 97.08 / 80
p0 509.4 ± 423.7
pull
Entries 81
Mean 54.23
Std Dev 57.59

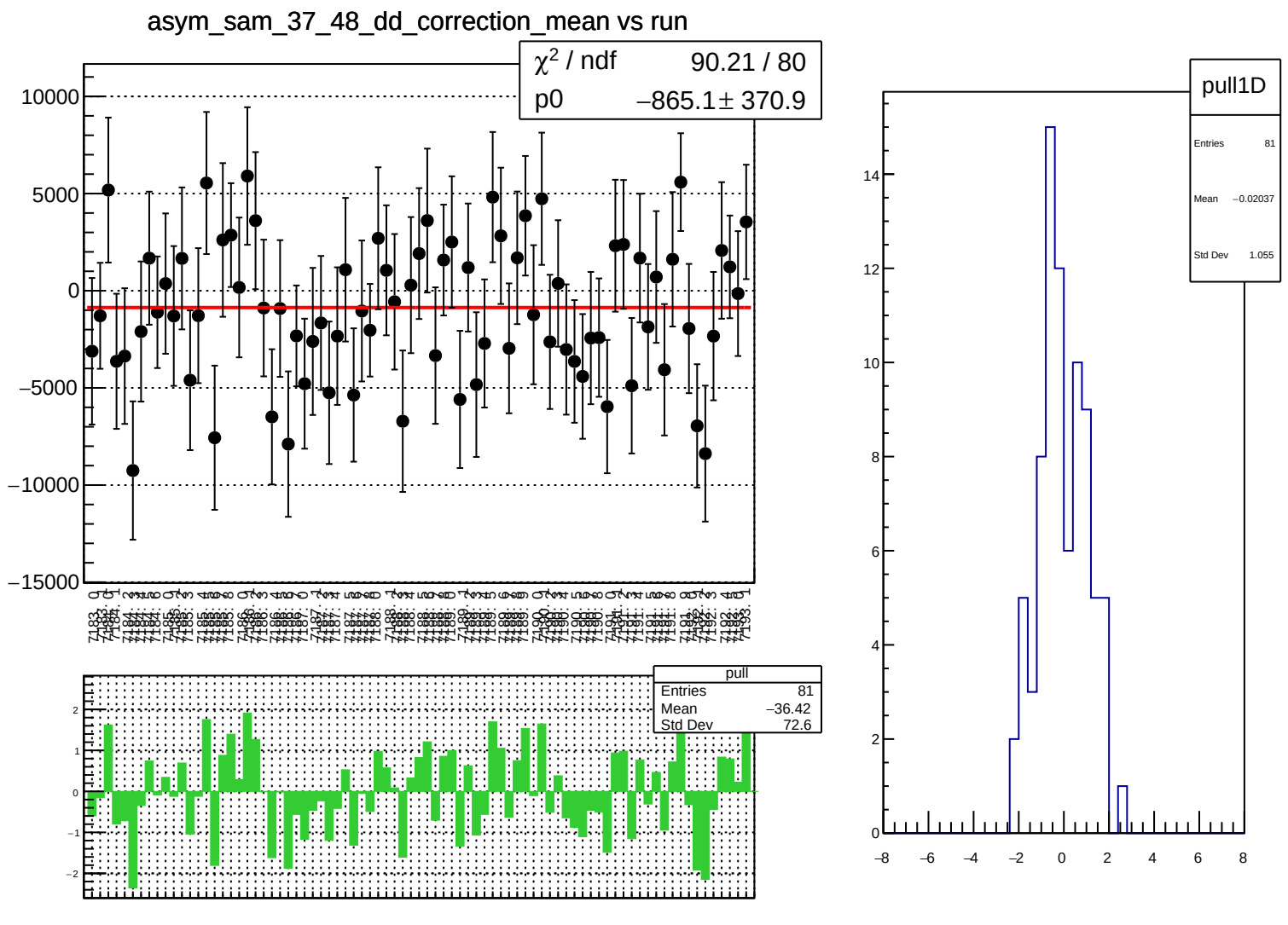

pull1D
Entries 81
Mean 0.01195
Std Dev 1.095

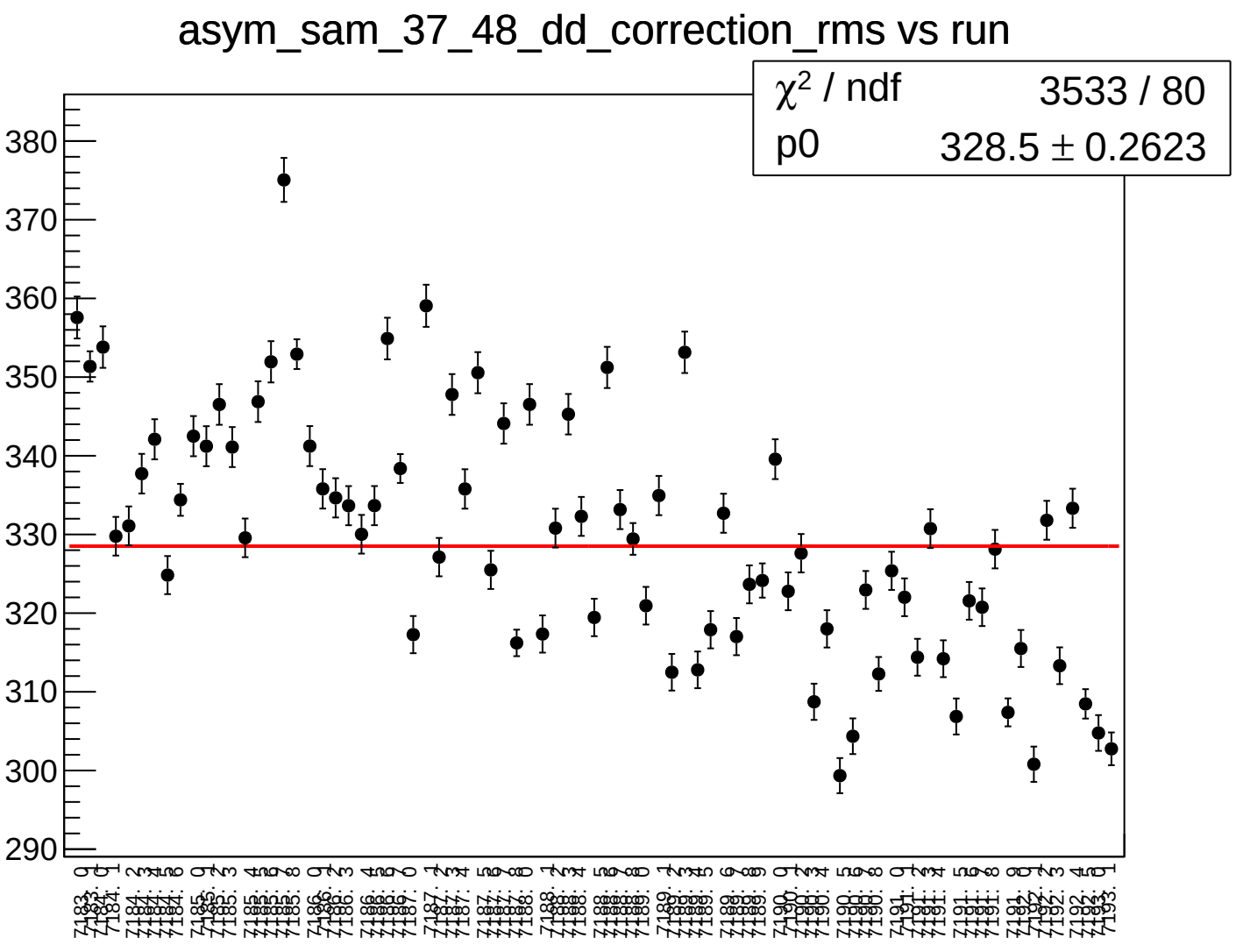

asym_sam_15_48_dd_rms vs run
χ² / ndf 3276 / 80
p0 375.4 ± 0.2996
420
410
400
390
380
370
360
350
340

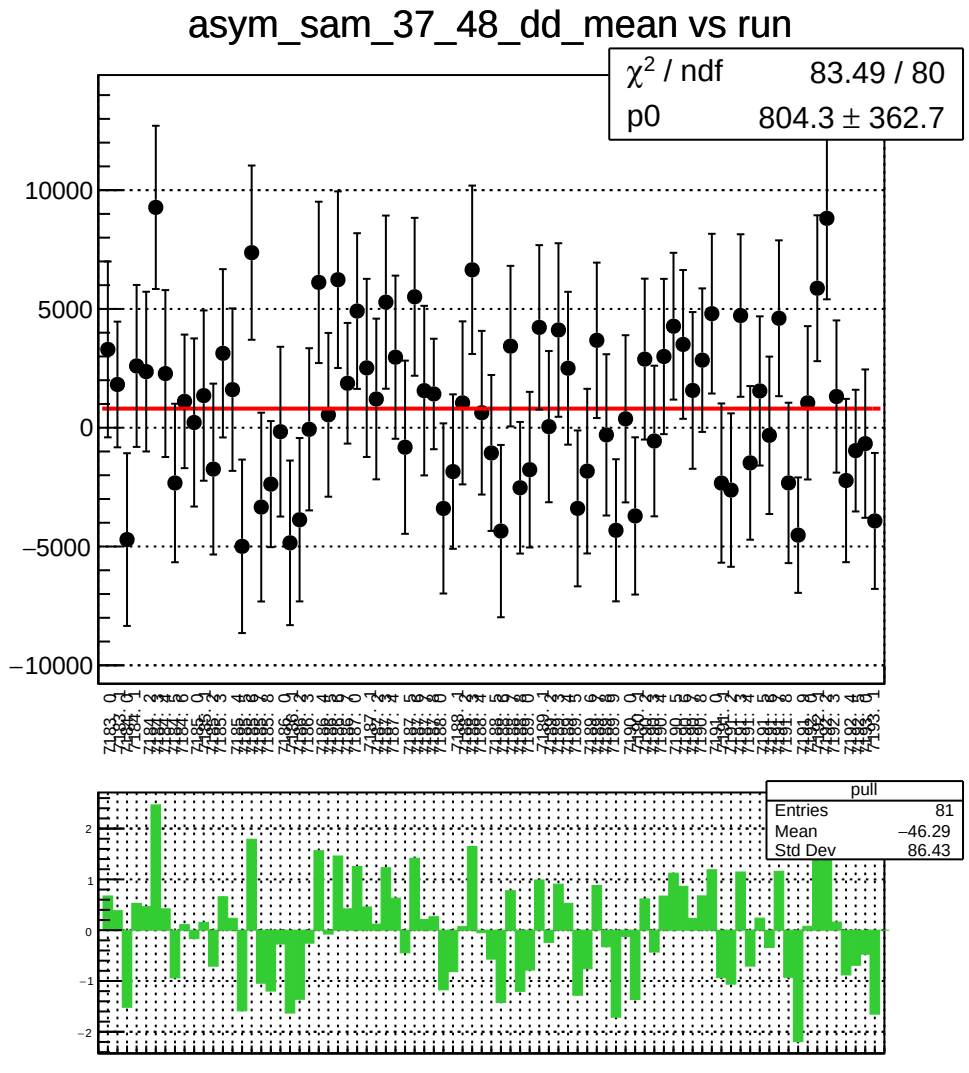

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 86.24 / 80
p0 −67.71± 74.42
2000
1000
0
−1000
−2000
pull
Entries 81
Mean 94.91
Std Dev 109.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

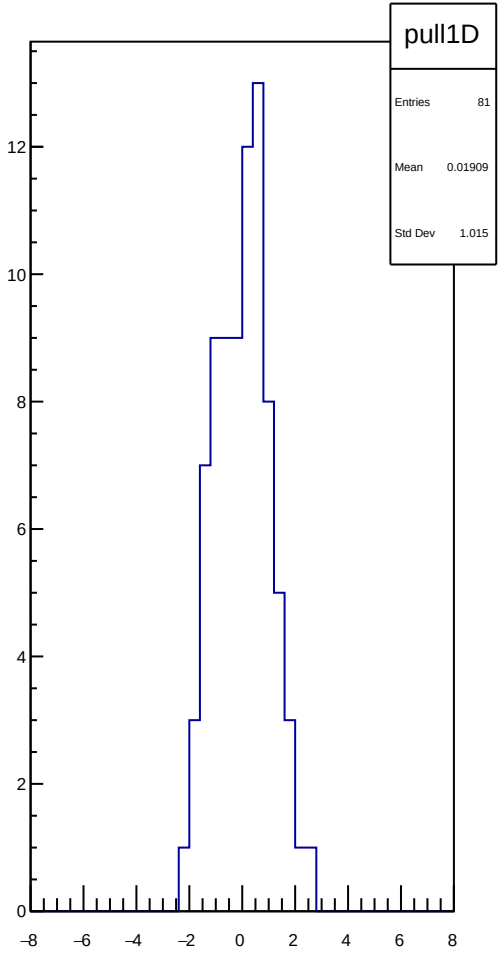

pull1D
Entries 81
Mean −0.003671
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

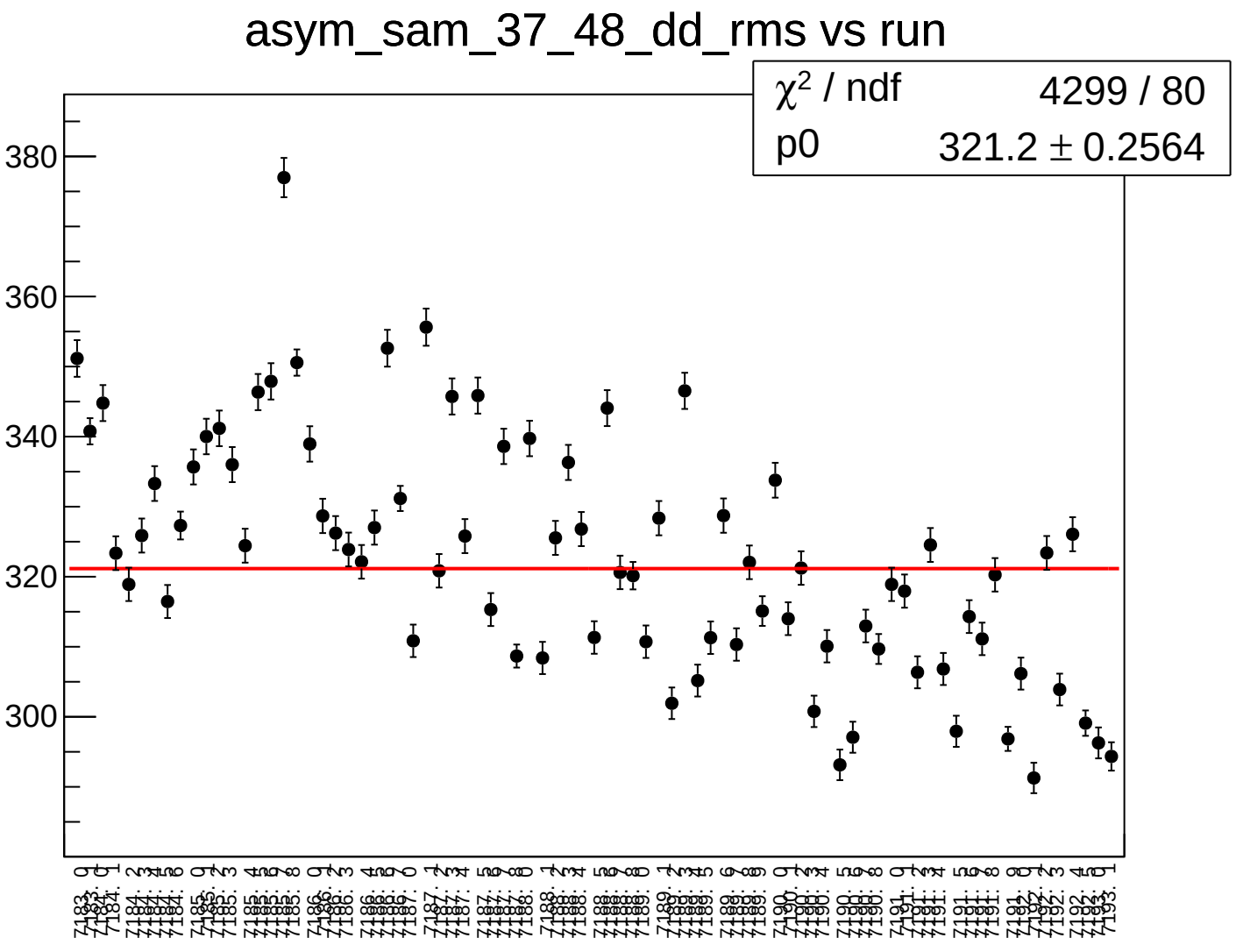

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 8925 / 80
p0 65.8 ± 0.05262
90
85
80
75
70
65
60

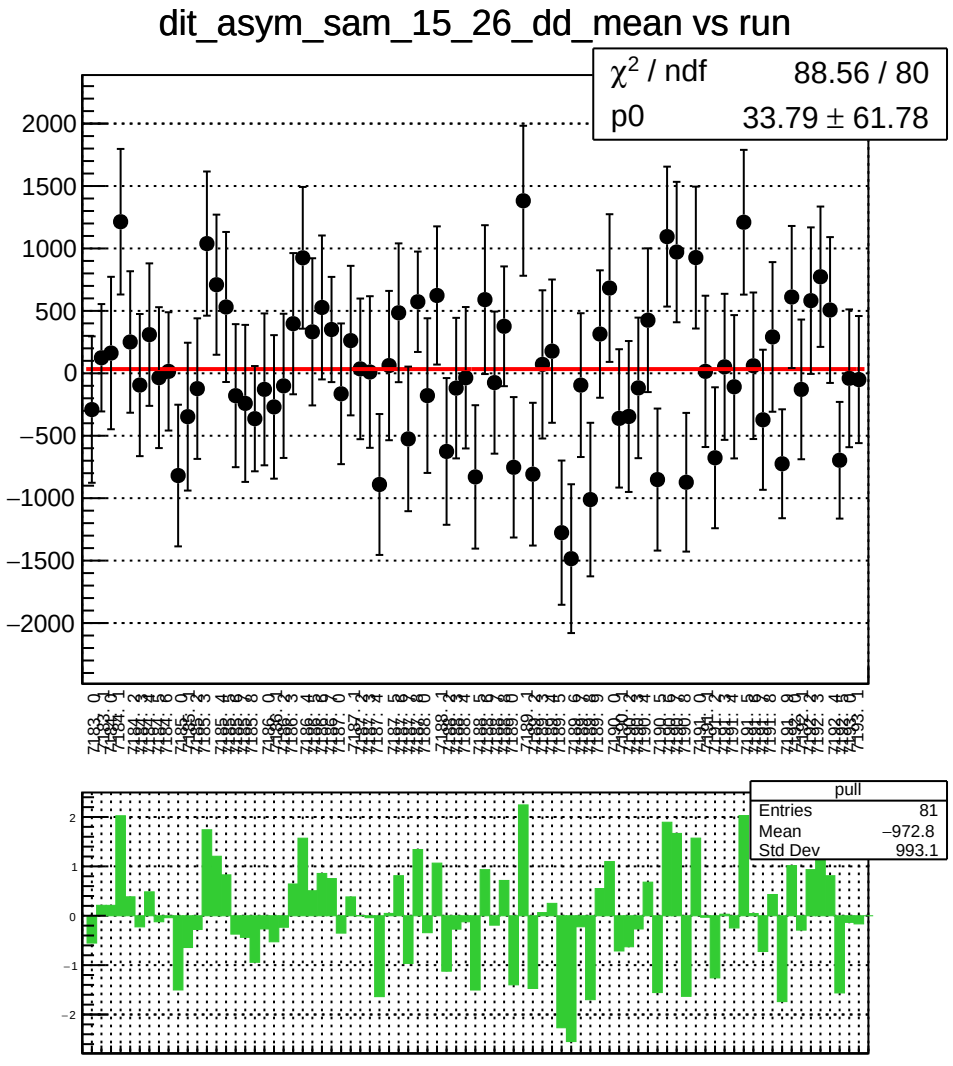

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 90.21 / 80
p0 −865.1 ± 370.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −36.42
Std Dev 72.6
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.02037
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

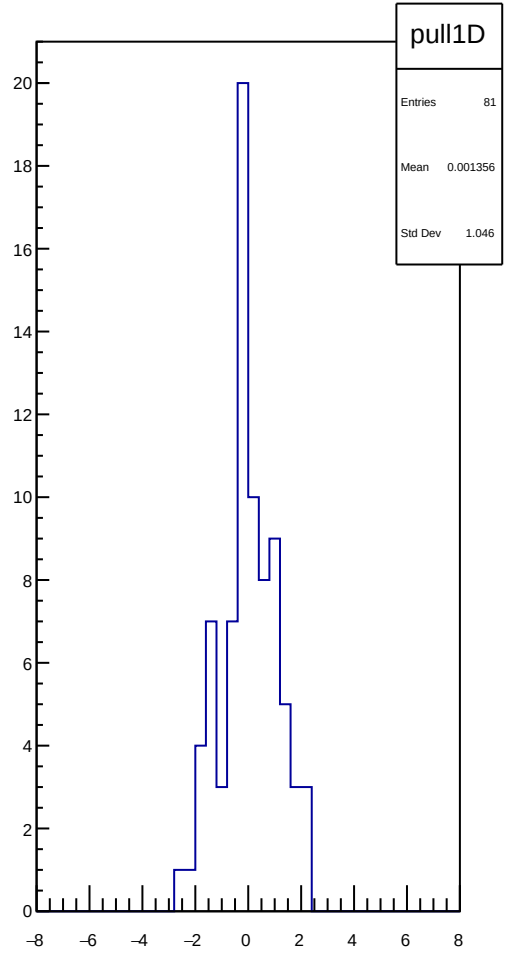

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3533 / 80
p0 328.5 ± 0.2623
380
370
360
350
340
330
320
310
300
290

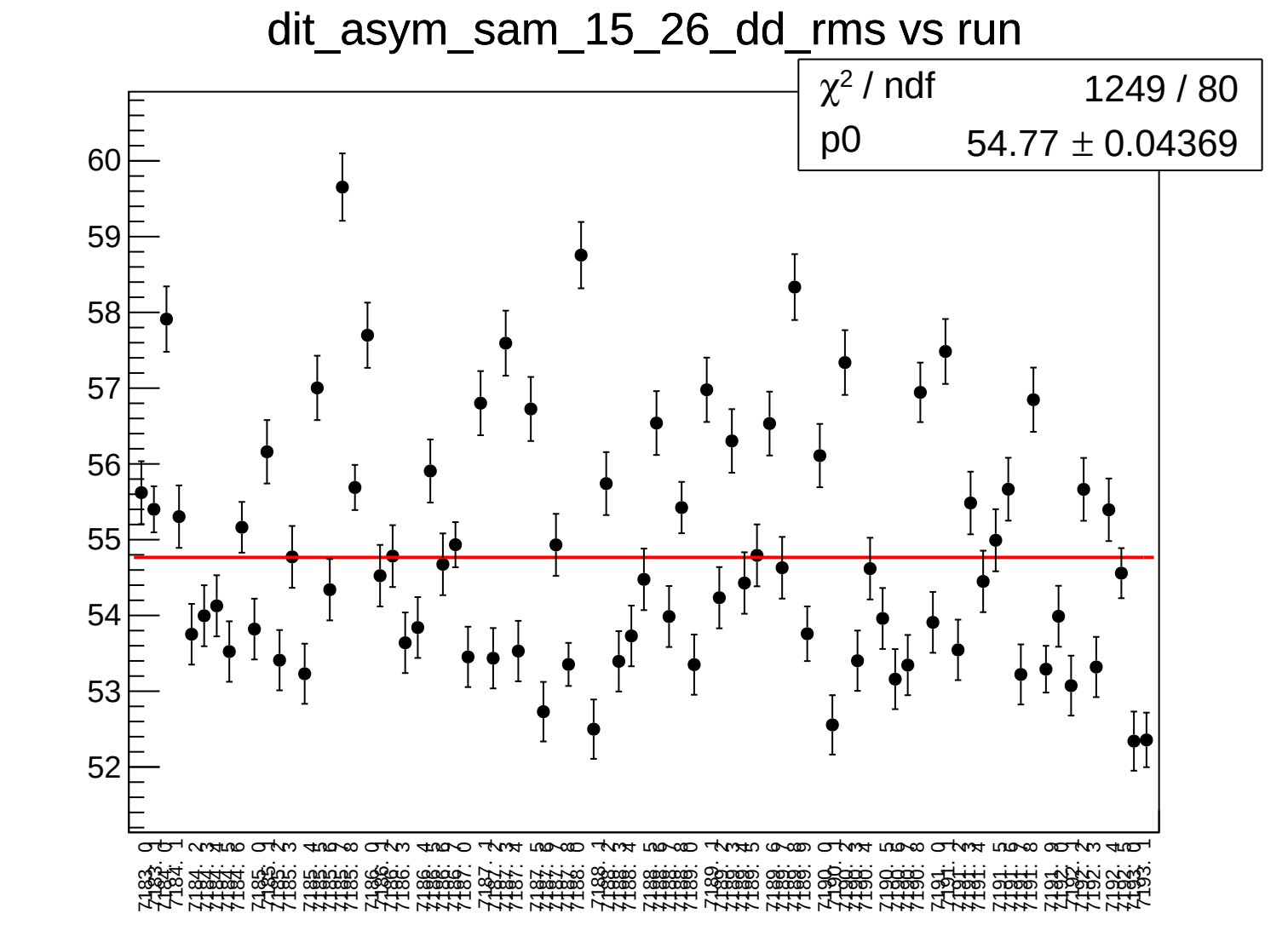

asym_sam_37_48_dd_mean vs run
χ² / ndf 83.49 / 80
p0 804.3 ± 362.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −46.29
Std Dev 86.43
2
1
0
−1
−2

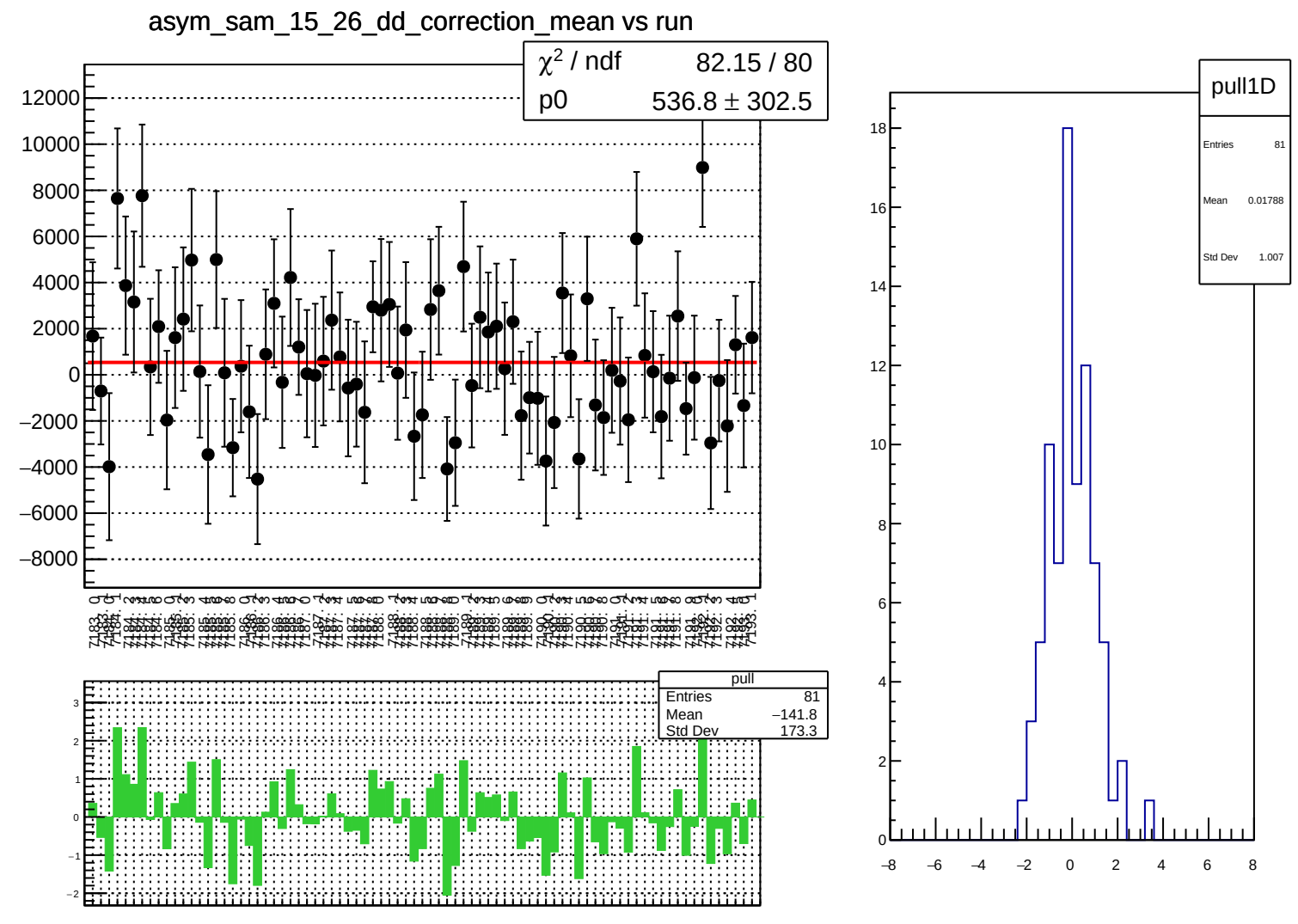

pull1D
Entries 81
Mean 0.01909
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

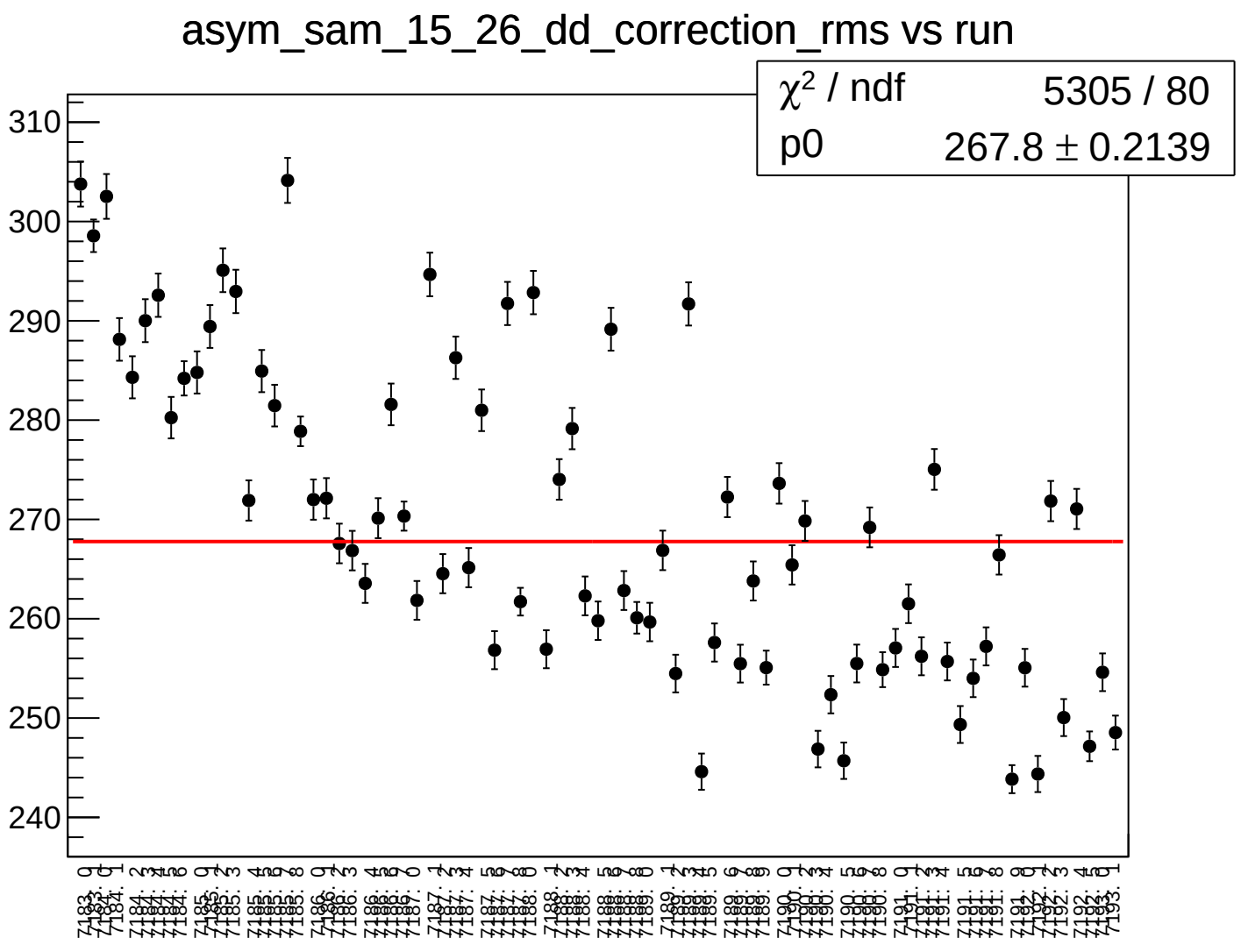

asym_sam_37_48_dd_rms vs run
χ² / ndf 4299 / 80
p0 321.2 ± 0.2564
380
360
340
320
300

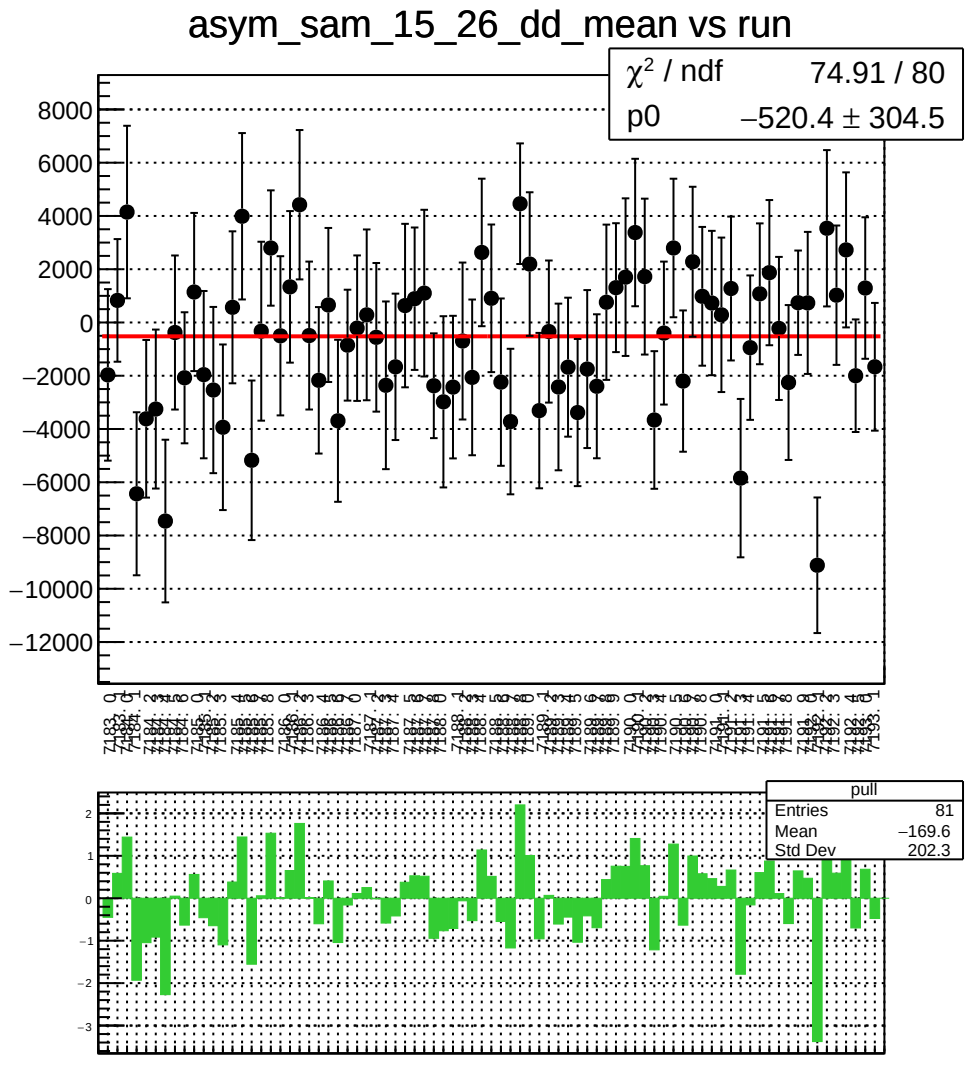

dit_asym_sam_15_26_dd_mean vs run
$\chi^2$ / ndf 88.56 / 80
p0 33.79 ± 61.78
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 81
Mean −972.8
Std Dev 993.1
2
1
0
−1
−2

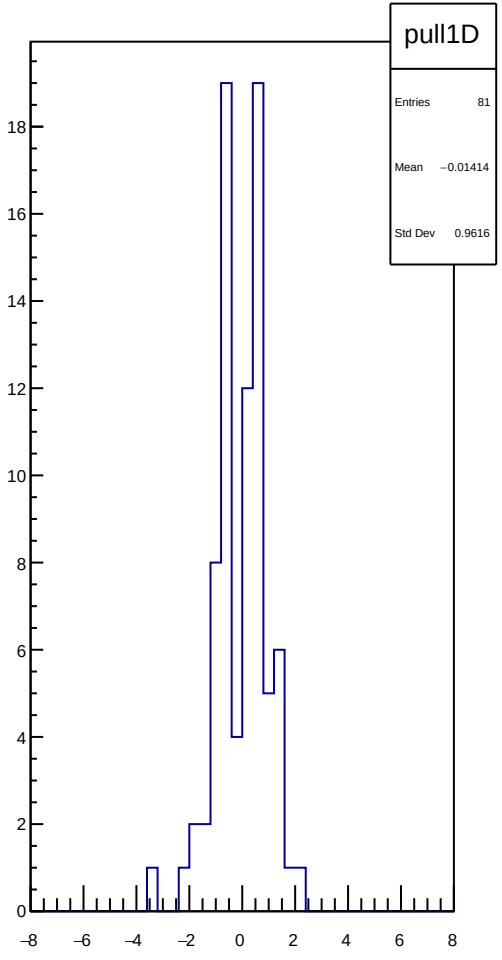

pull1D
Entries 81
Mean 0.001356
Std Dev 1.046
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

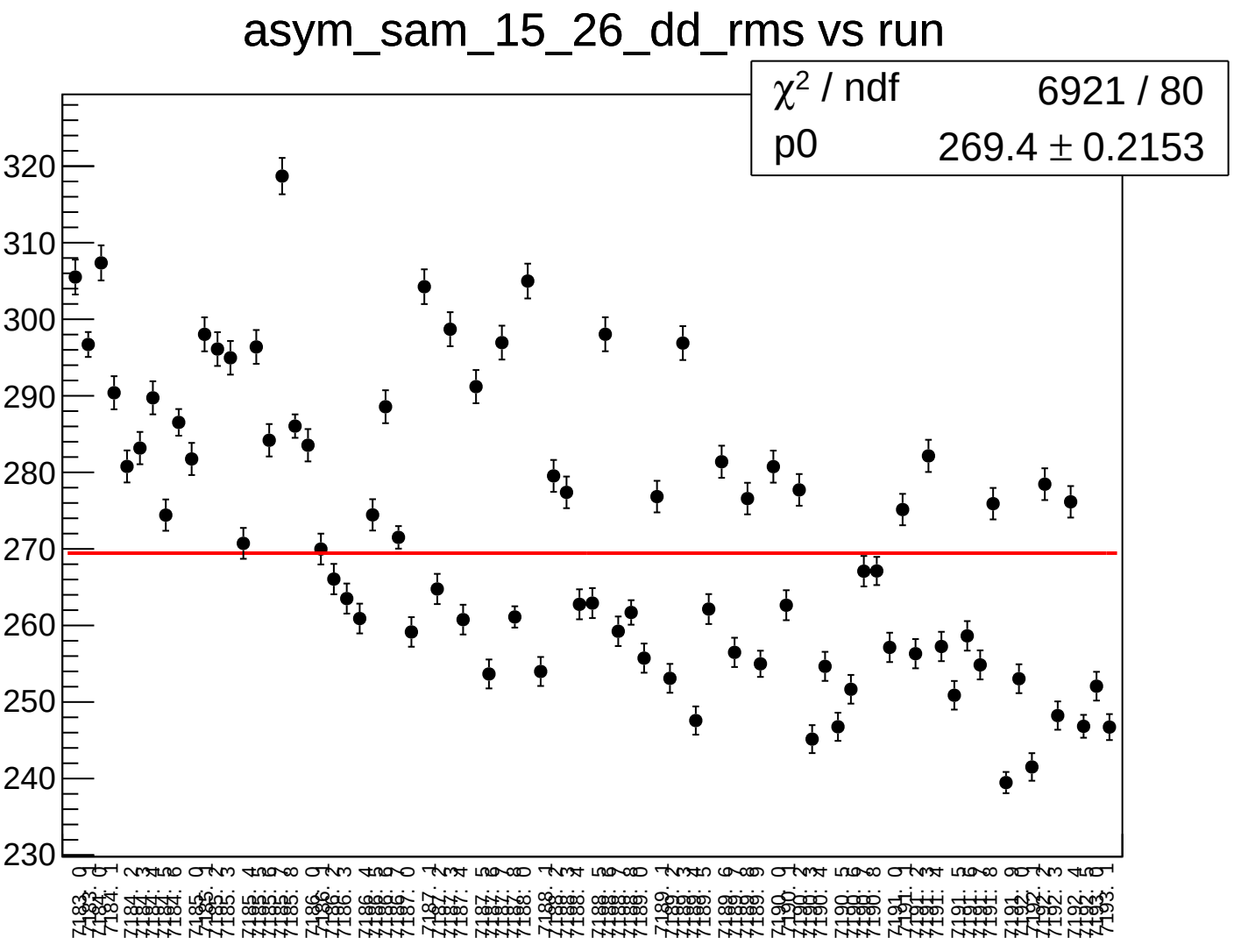

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1249 / 80
p0 54.77 ± 0.04369
60
59
58
57
56
55
54
53
52

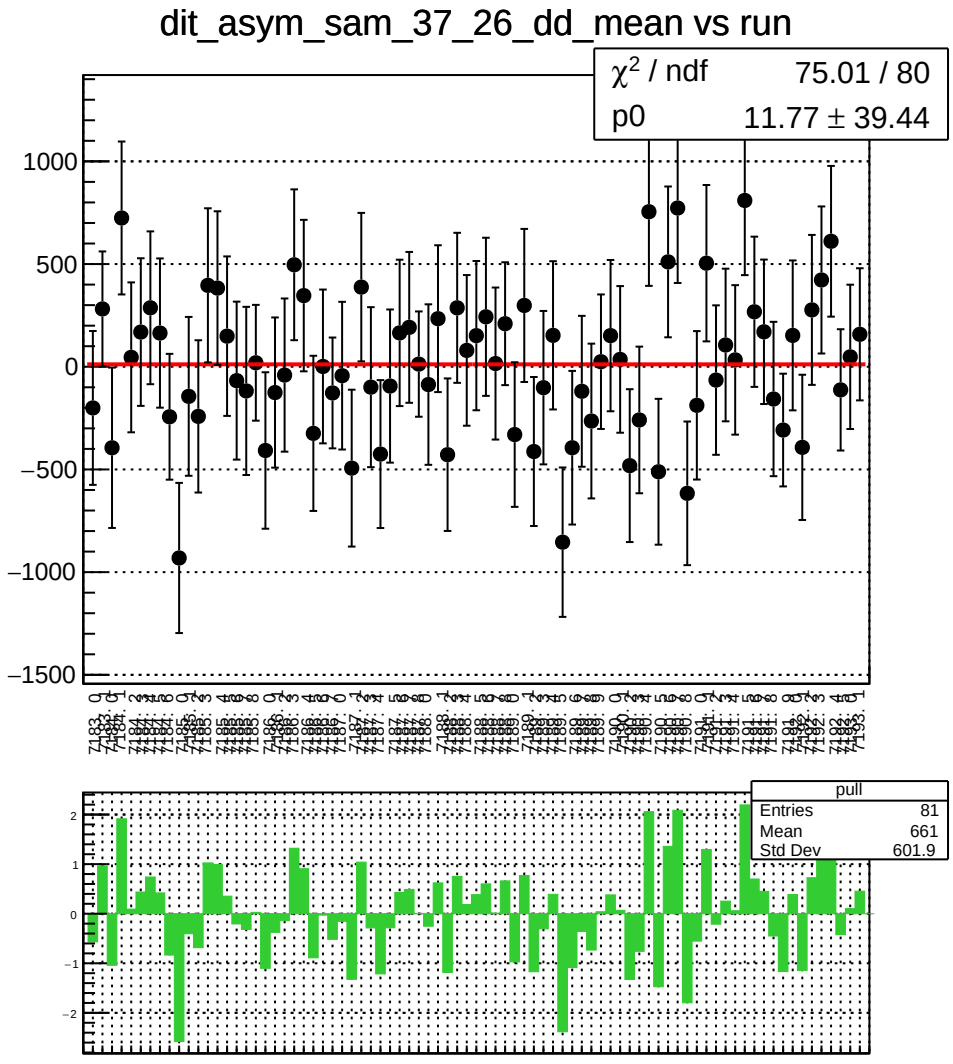

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 82.15 / 80
p0 536.8 ± 302.5
pull
Entries 81
Mean −141.8
Std Dev 173.3
pull1D
Entries 81
Mean 0.01788
Std Dev 1.007

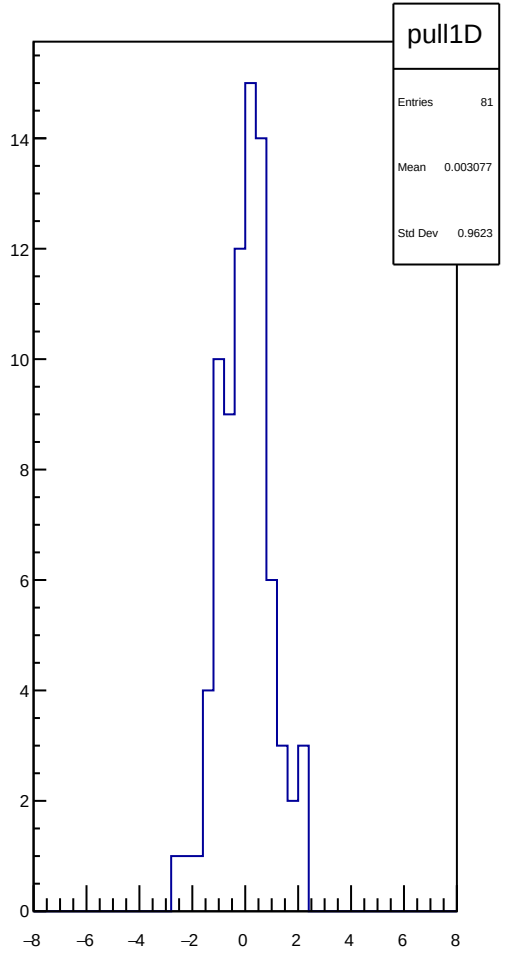

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 5305 / 80
p0 267.8 ± 0.2139
310
300
290
280
270
260
250
240

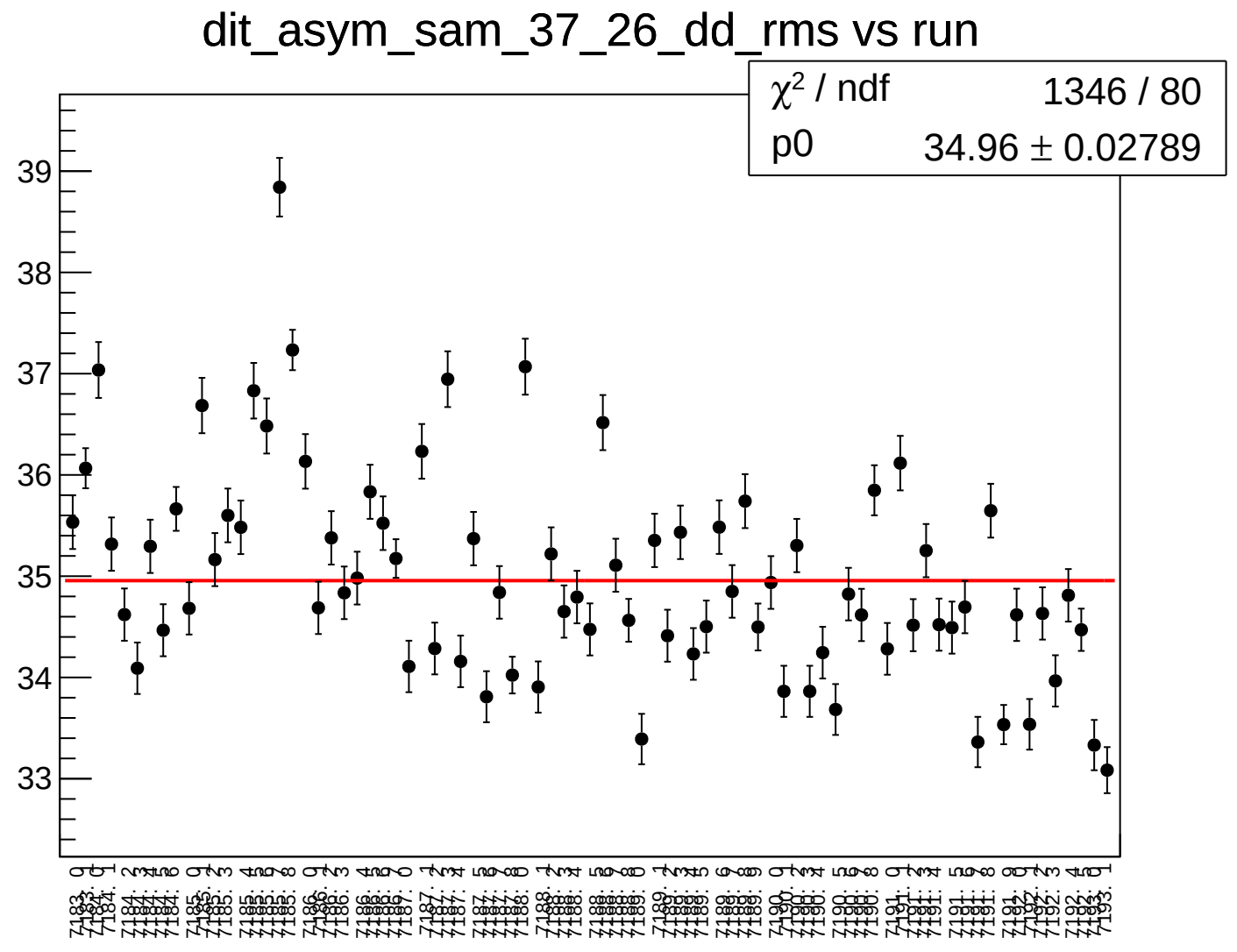

asym_sam_15_26_dd_mean vs run
χ² / ndf 74.91 / 80
p0 −520.4 ± 304.5
pull
Entries 81
Mean −169.6
Std Dev 202.3

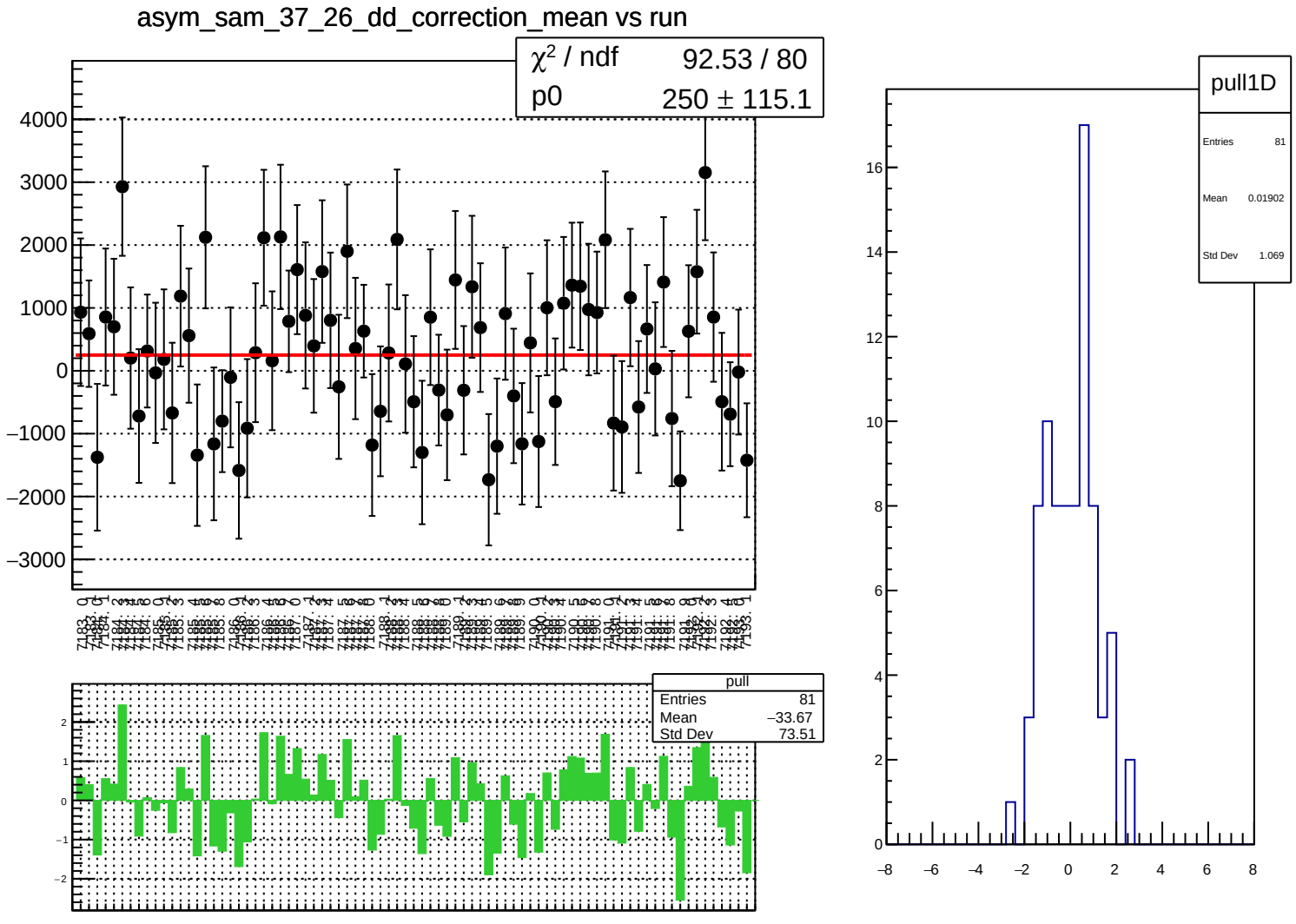

pull1D
Entries 81
Mean −0.01414
Std Dev 0.9616

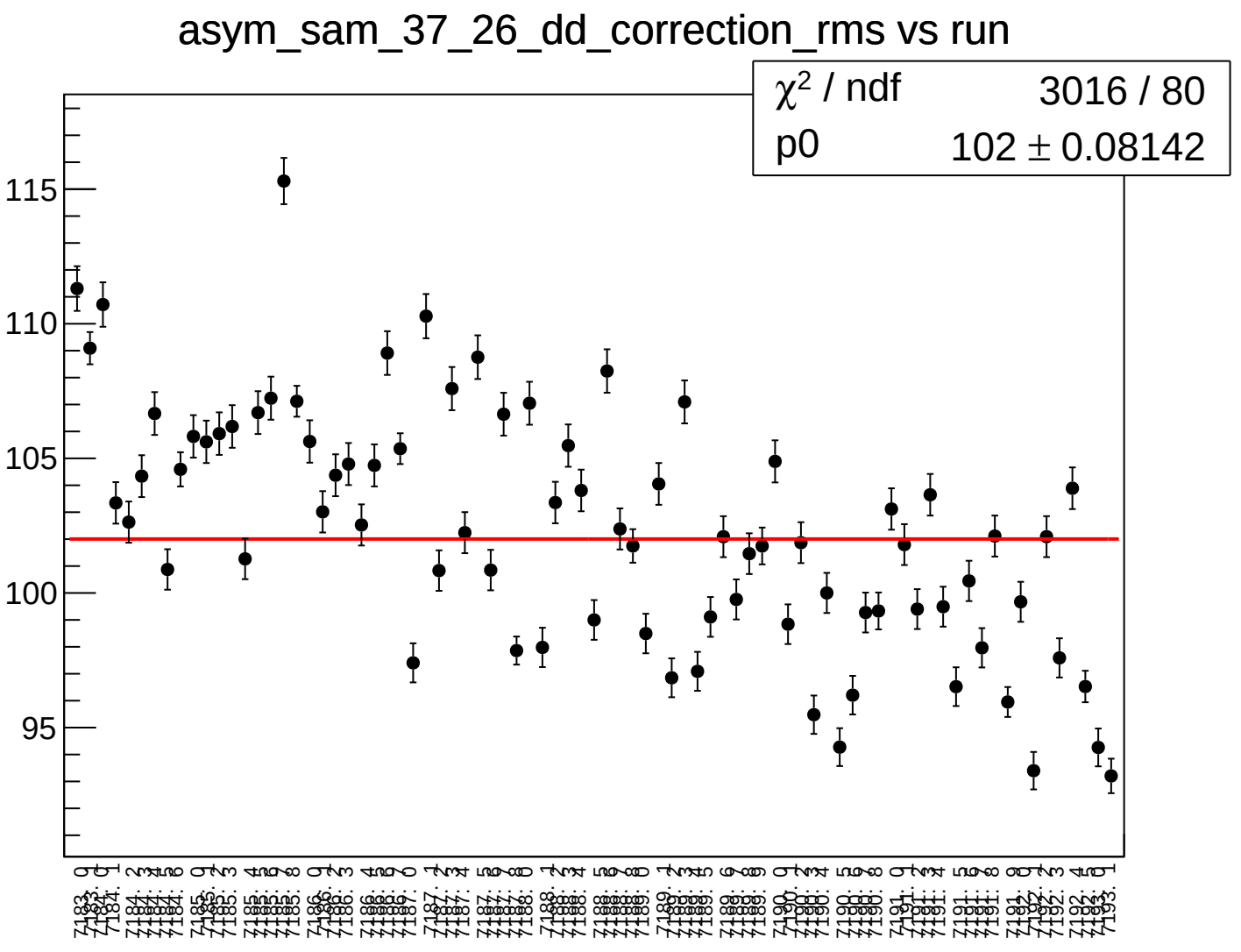

asym_sam_15_26_dd_rms vs run
χ² / ndf 6921 / 80
p0 269.4 ± 0.2153
320
310
300
290
280
270
260
250
240
230

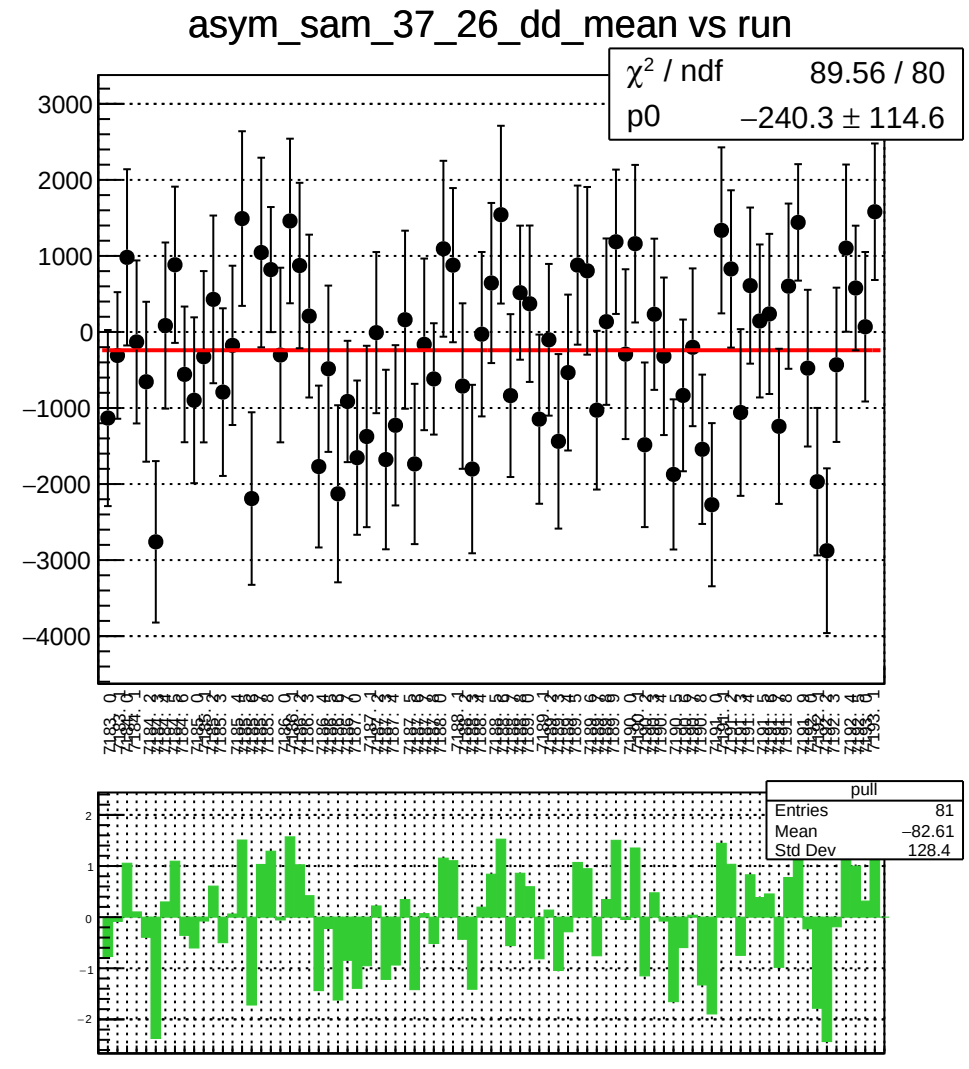

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.01 / 80
p0 11.77 ± 39.44
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean 661
Std Dev 601.9
2
1
0
−1
−2

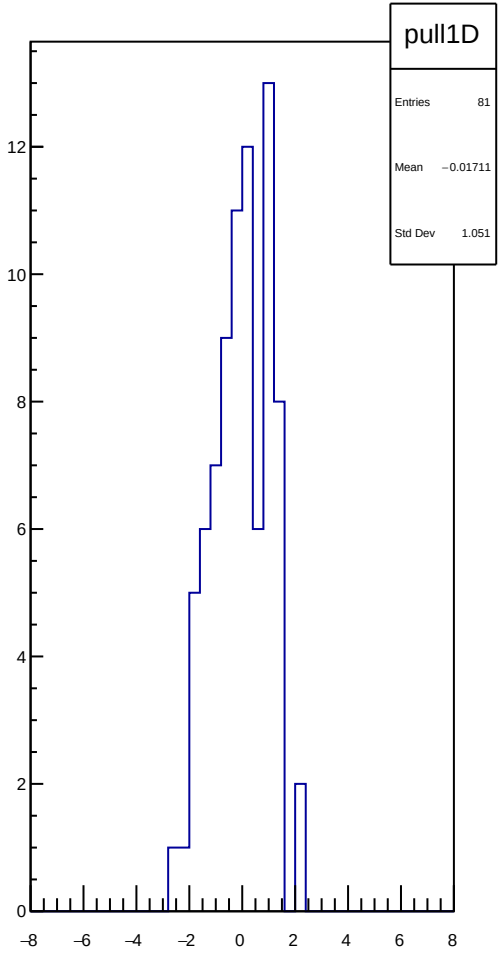

pull1D
Entries 81
Mean 0.003077
Std Dev 0.9623
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

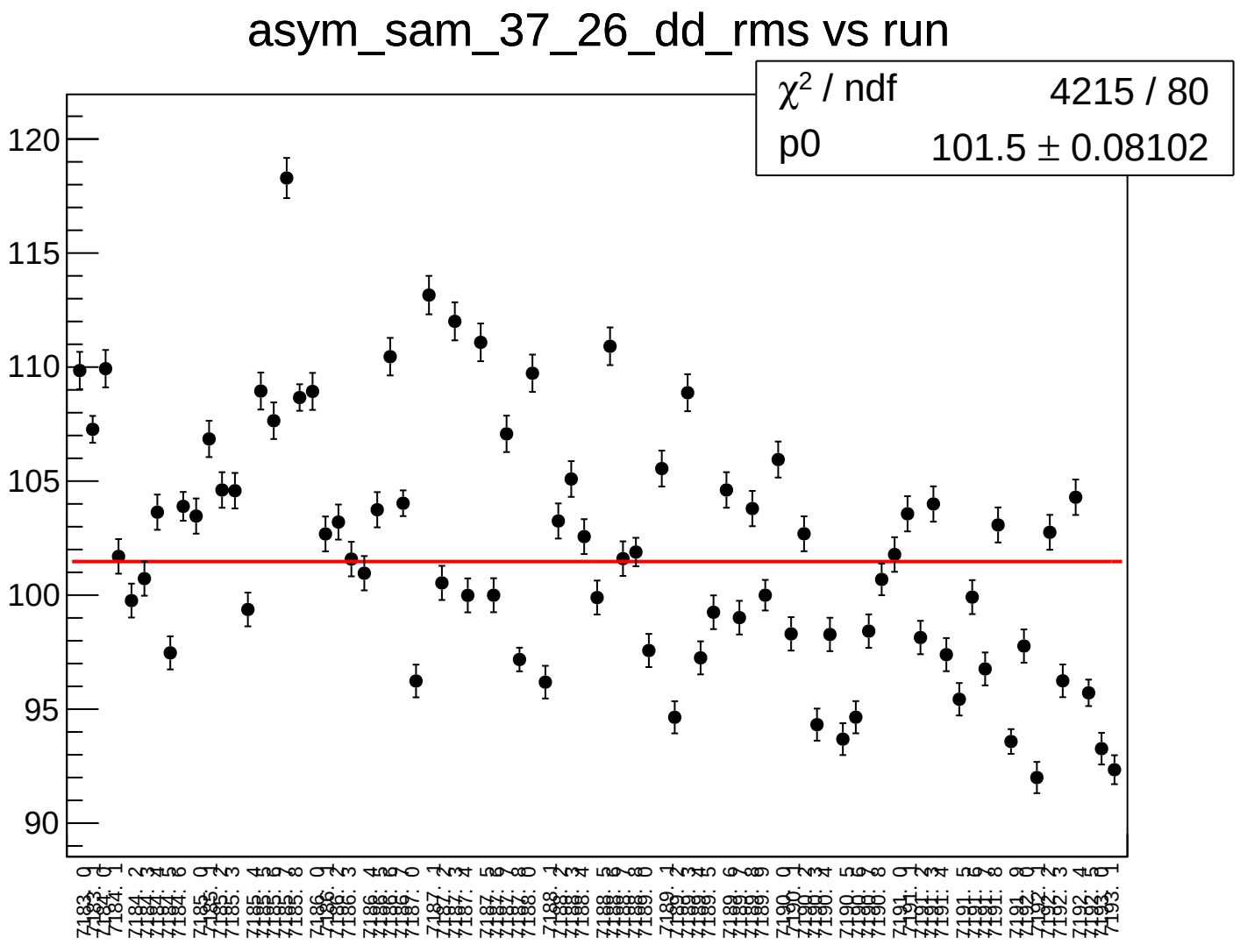

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1346 / 80
p0 34.96 ± 0.02789
39
38
37
36
35
34
33

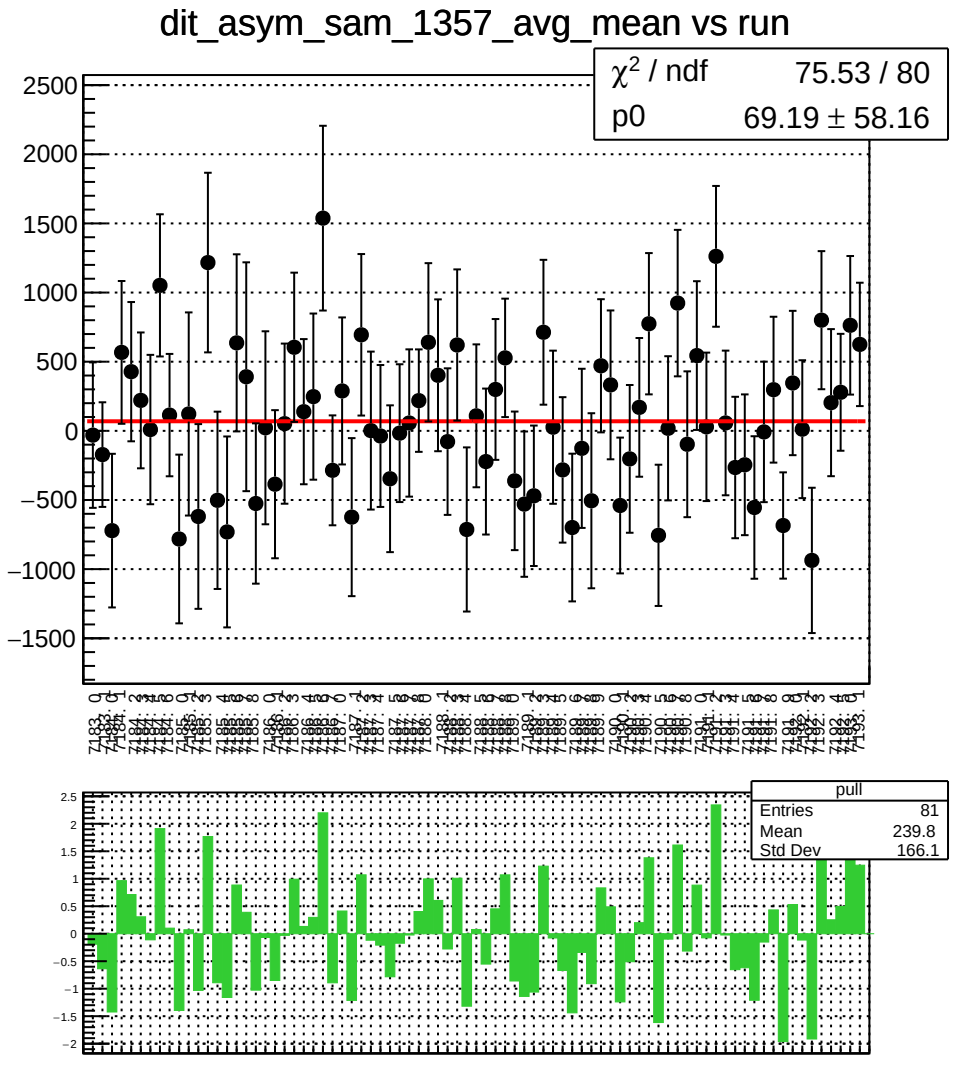

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 92.53 / 80
p0 250 ± 115.1
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 81
Mean −33.67
Std Dev 73.51
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01902
Std Dev 1.069
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

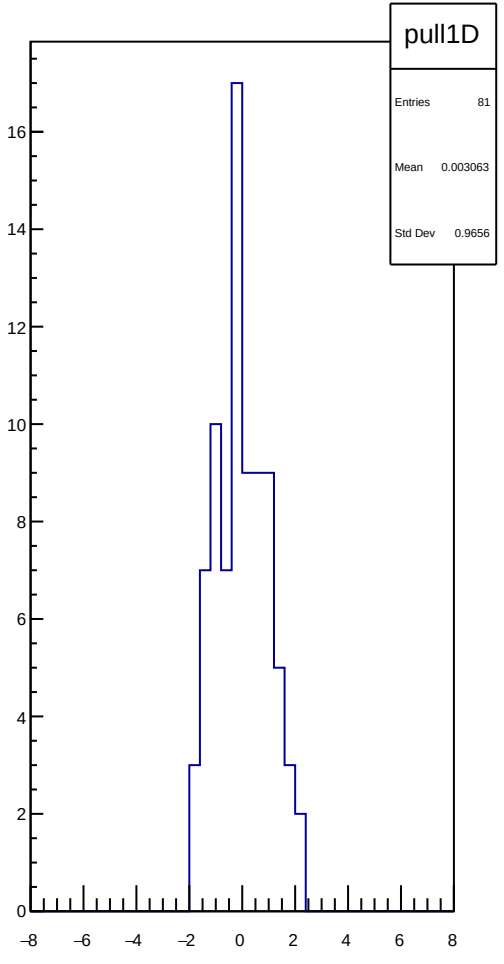

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3016 / 80
p0 102 ± 0.08142
115
110
105
100
95

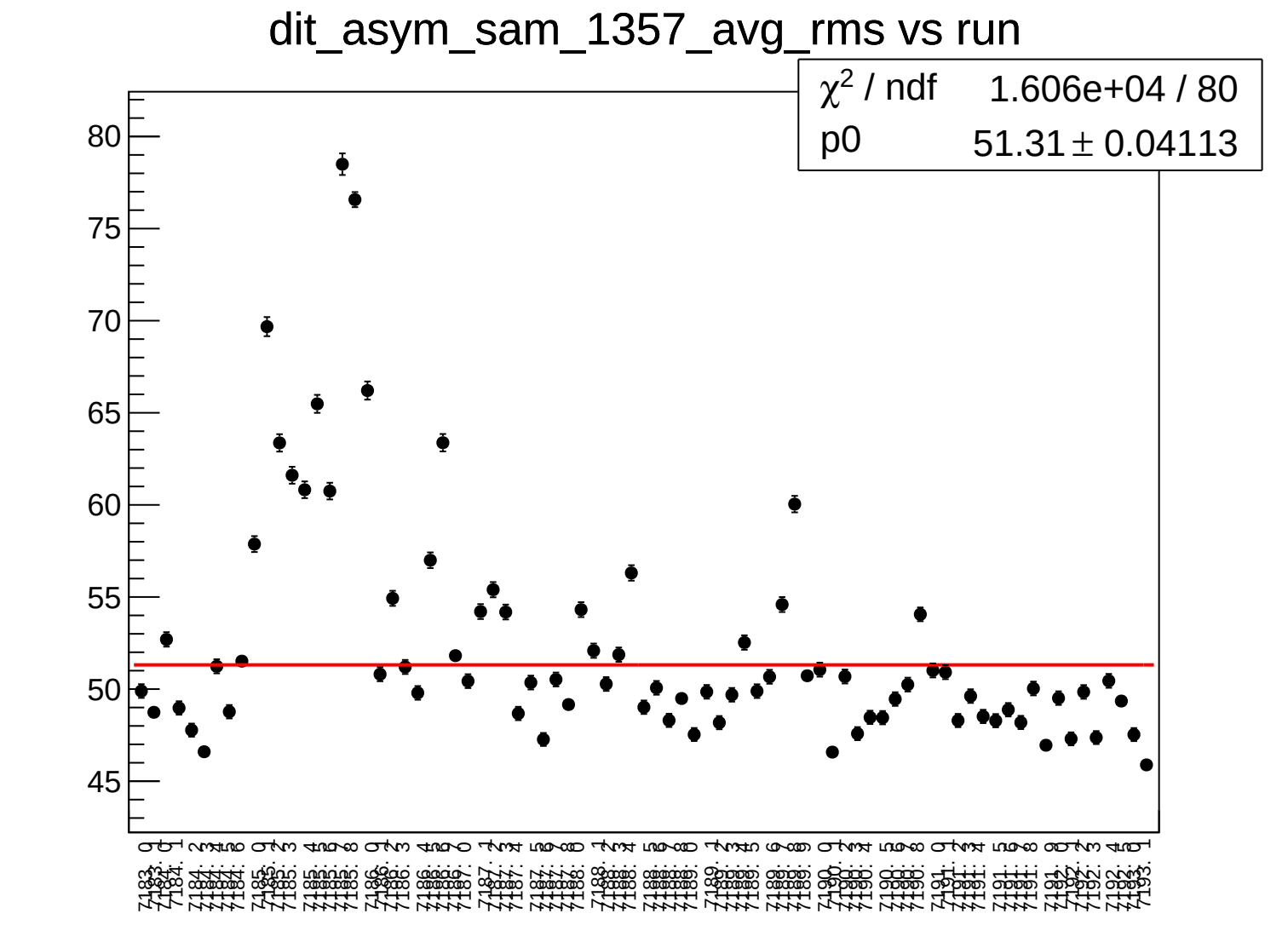

asym_sam_37_26_dd_mean vs run
χ² / ndf 89.56 / 80
p0 −240.3 ± 114.6
pull
Entries 81
Mean −82.61
Std Dev 128.4

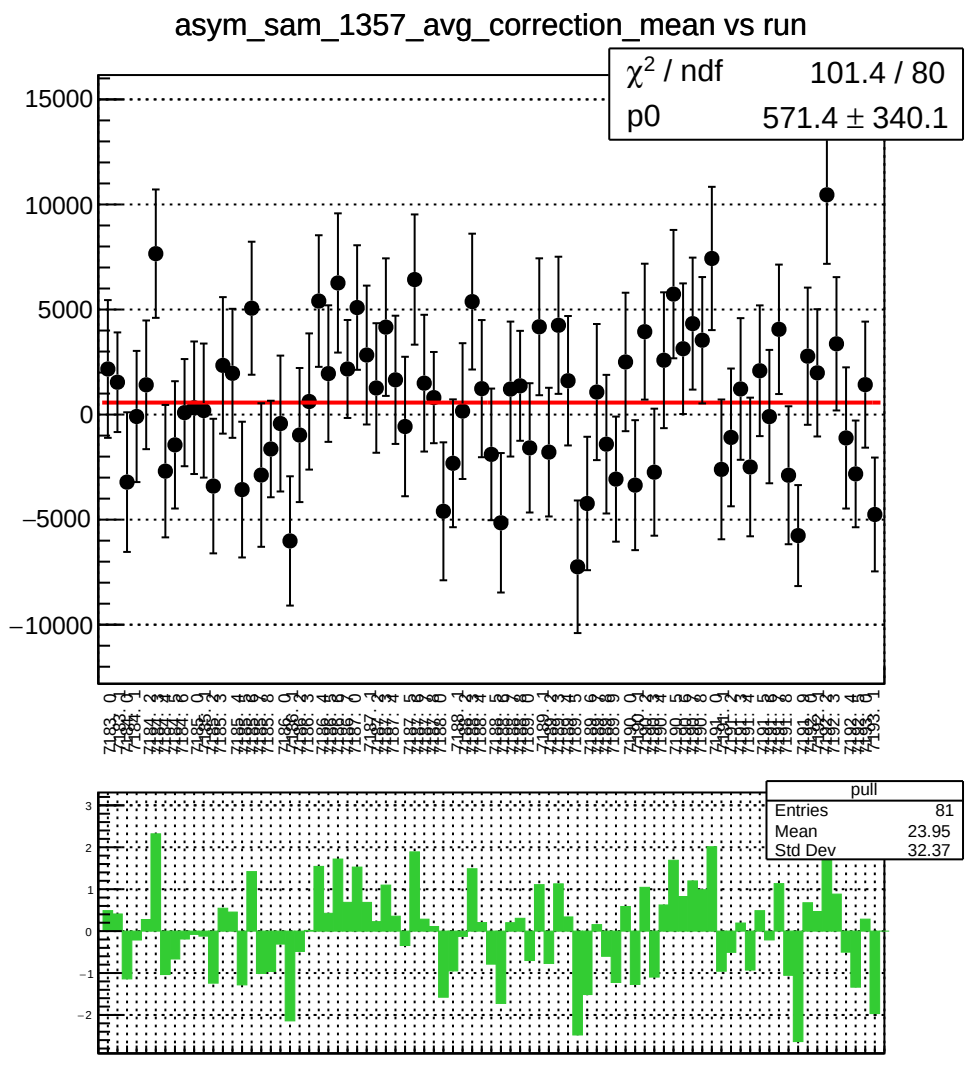

pull1D
Entries 81
Mean −0.01711
Std Dev 1.051

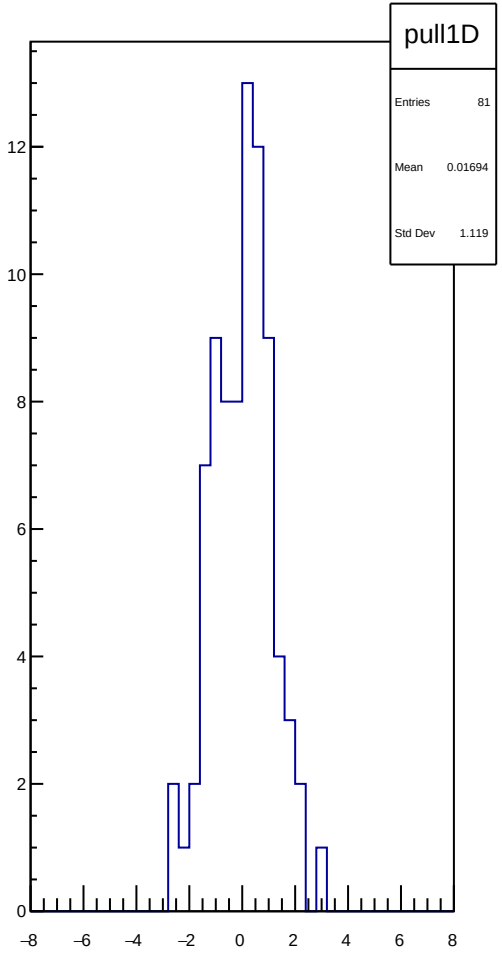

asym_sam_37_26_dd_rms vs run
$\chi^2$ / ndf 4215 / 80
p0 101.5 ± 0.08102
120
115
110
105
100
95
90

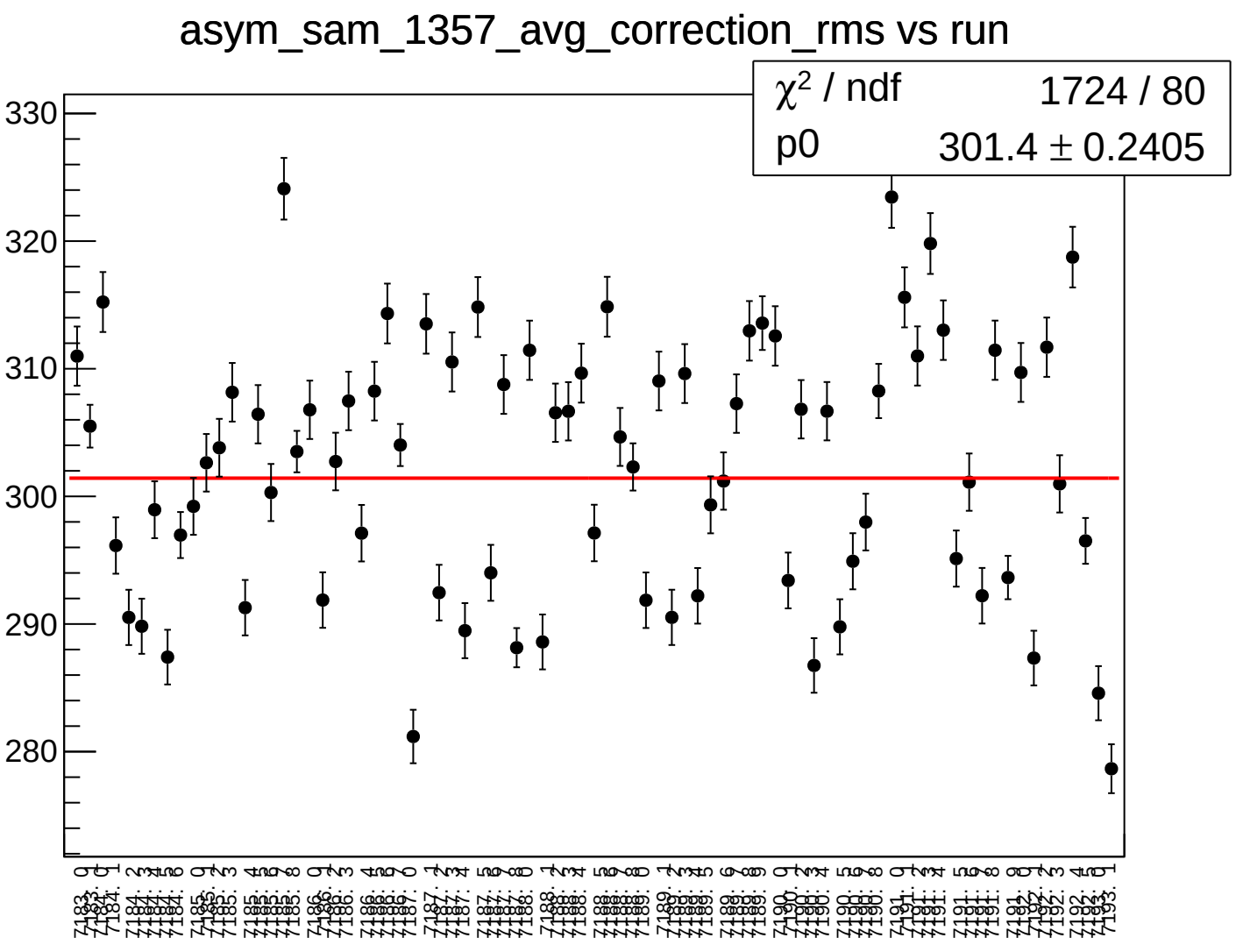

dit_asym_sam_1357_avg_mean vs run
$\chi^2$ / ndf 75.53 / 80
p0 69.19 ± 58.16
pull
Entries 81
Mean 239.8
Std Dev 166.1

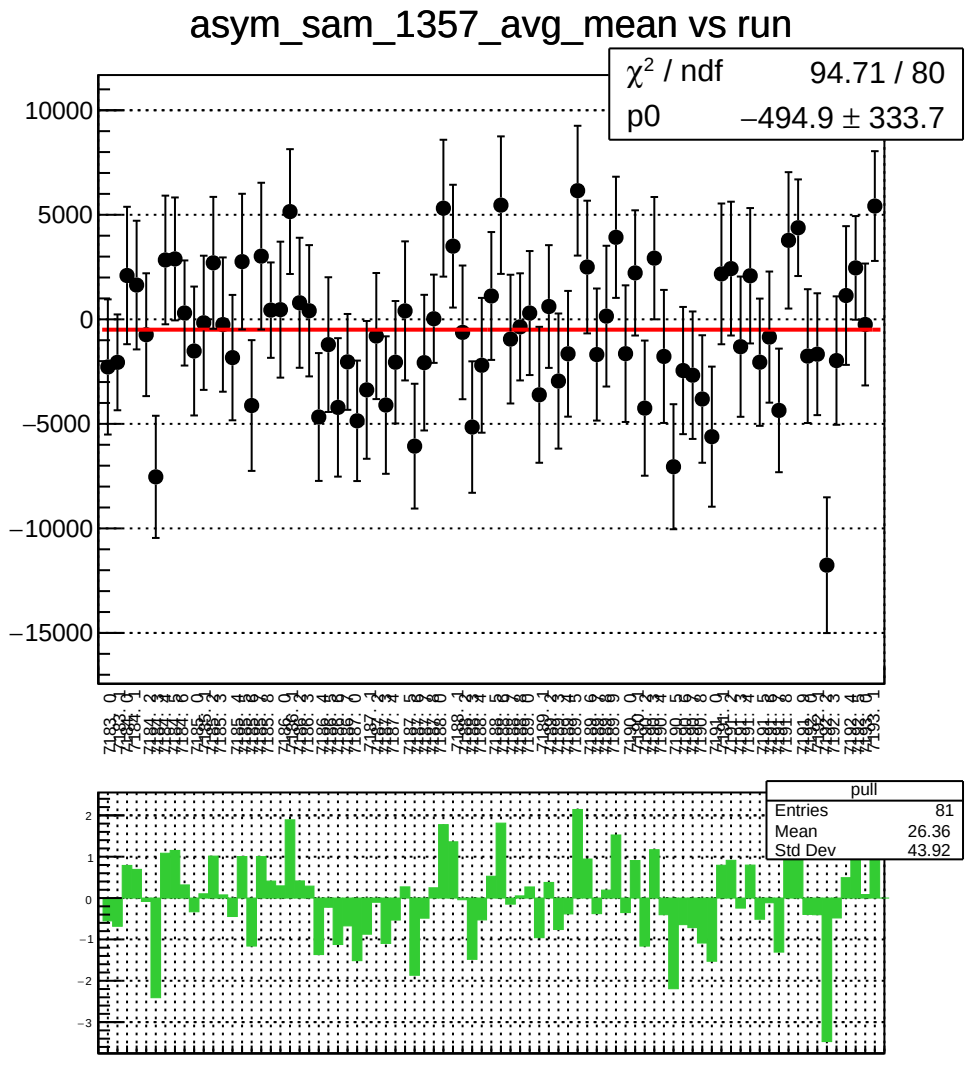

pull1D
Entries 81
Mean 0.003063
Std Dev 0.9656

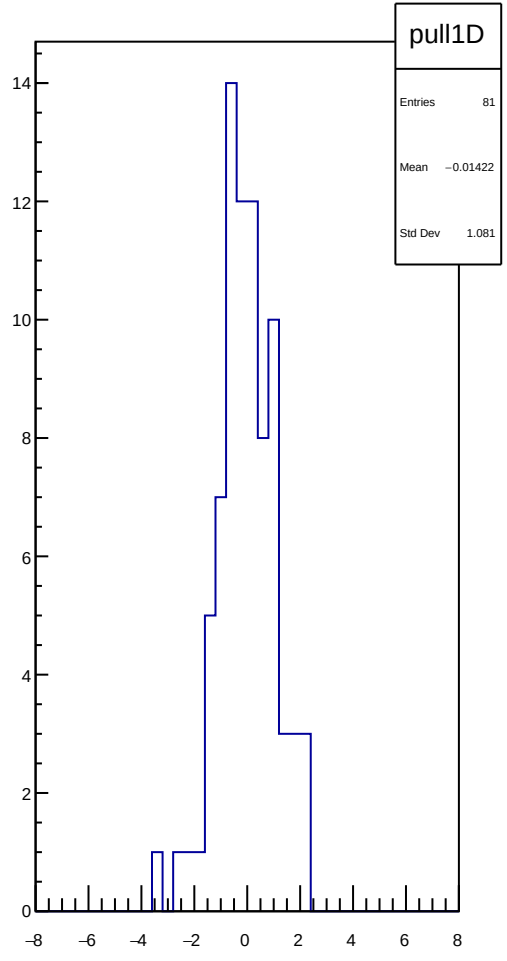

dit_asym_sam_1357_avg_rms vs run
$\chi^2$ / ndf 1.606e+04 / 80
p0 51.31 ± 0.04113
80
75
70
65
60
55
50
45

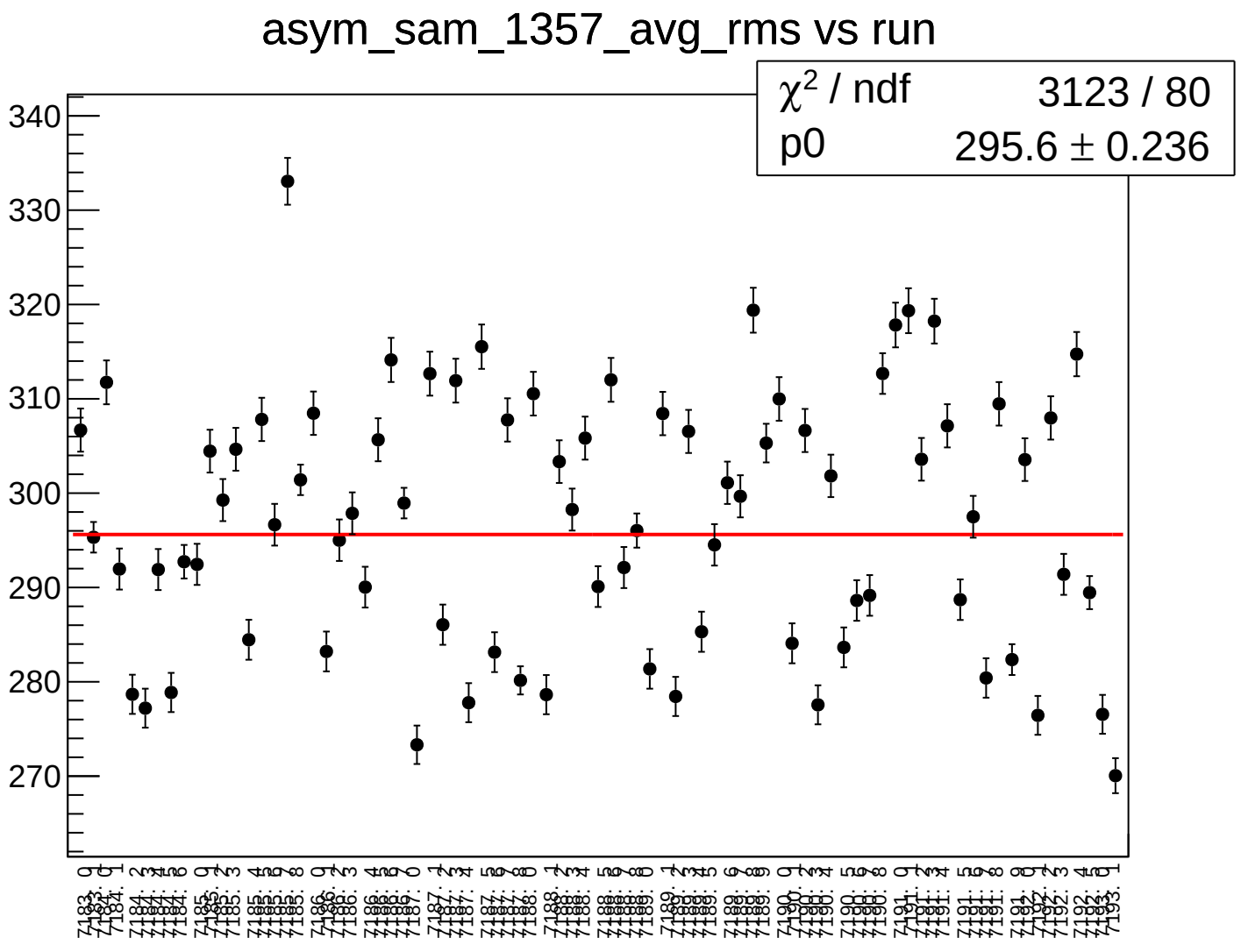

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 101.4 / 80
p0 571.4 ± 340.1
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 23.95
Std Dev 32.37
3
2
1
0
−1
−2

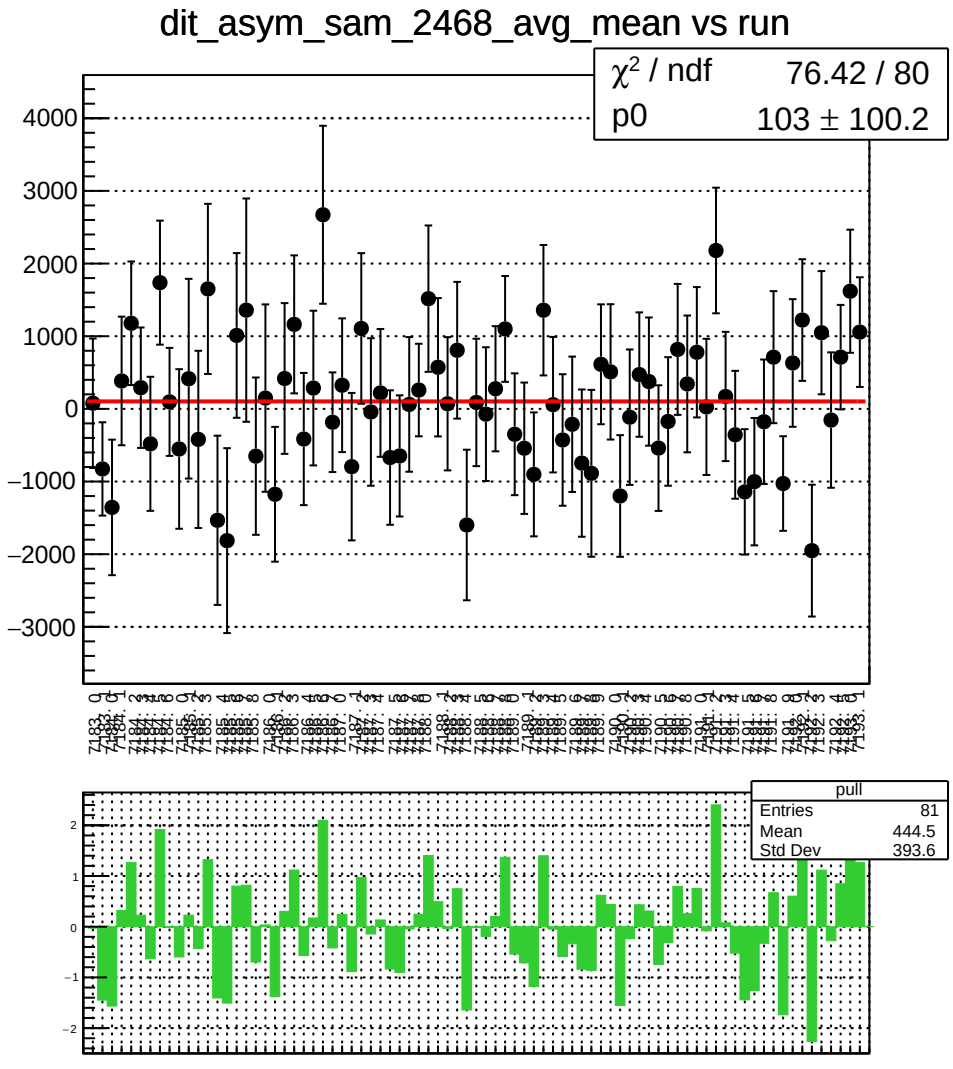

pull1D
Entries 81
Mean 0.01694
Std Dev 1.119
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

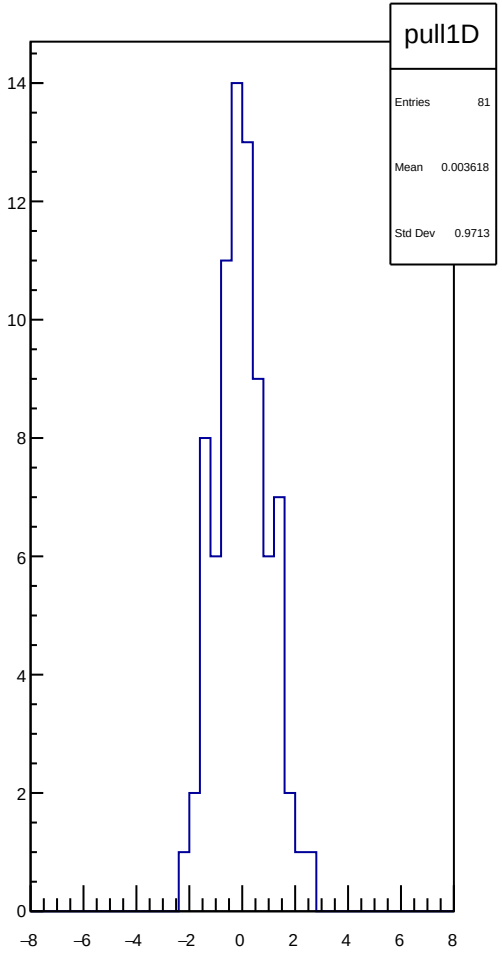

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1724 / 80
p0 301.4 ± 0.2405
330
320
310
300
290
280

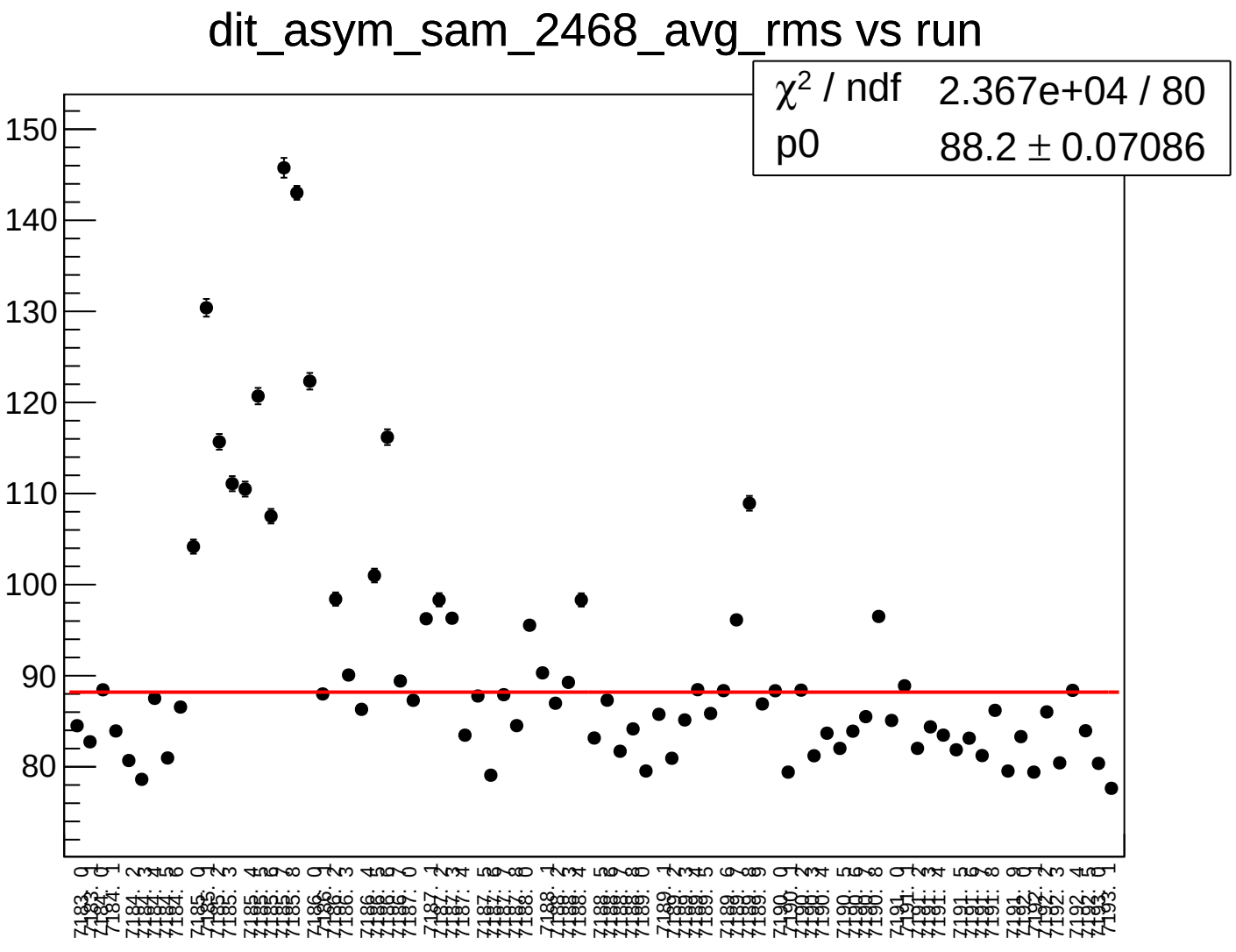

asym_sam_1357_avg_mean vs run
χ² / ndf 94.71 / 80
p0 −494.9 ± 333.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 26.36
Std Dev 43.92
2
1
0
−1
−2
−3

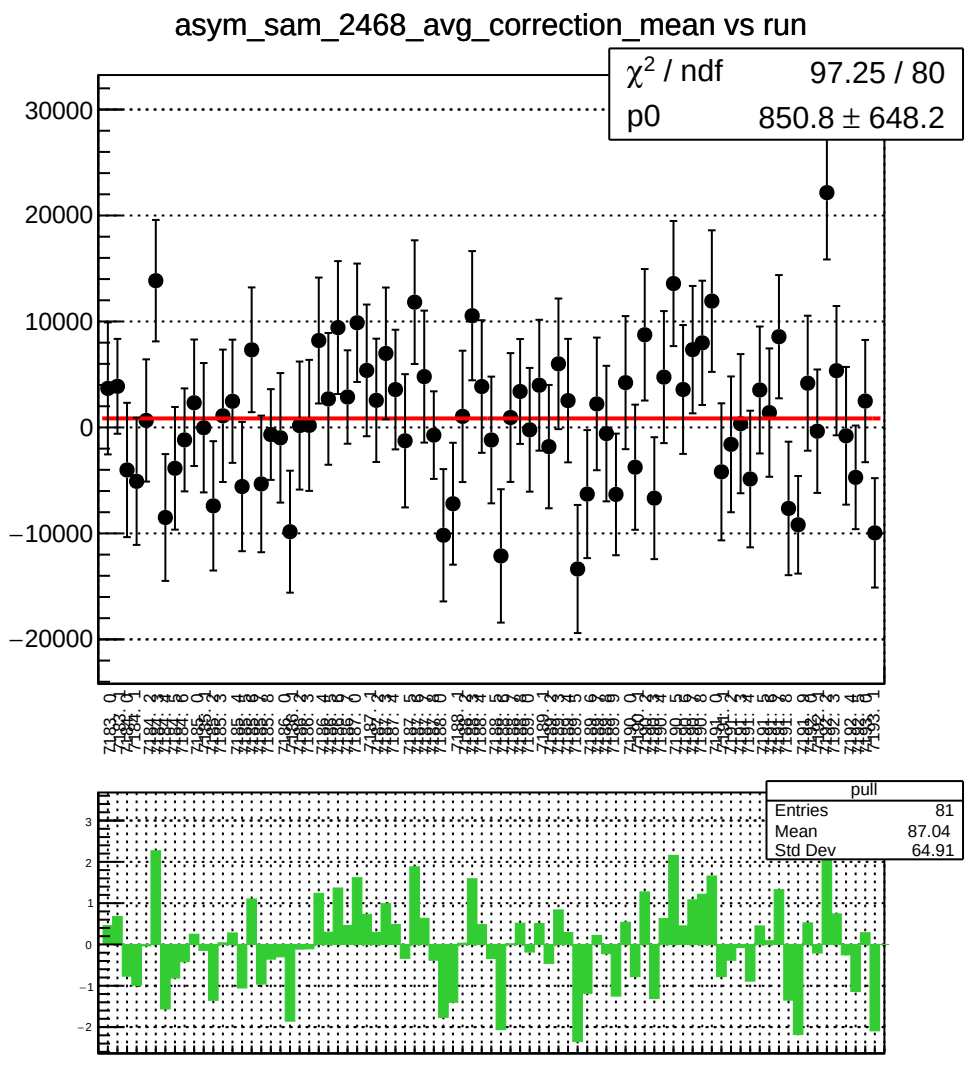

pull1D
Entries 81
Mean −0.01422
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

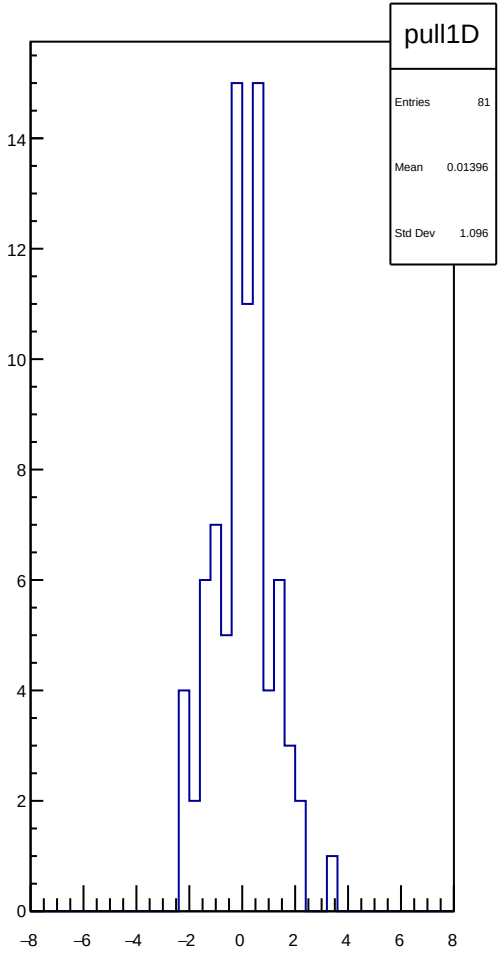

asym_sam_1357_avg_rms vs run
χ² / ndf 3123 / 80
p0 295.6 ± 0.236
340
330
320
310
300
290
280
270

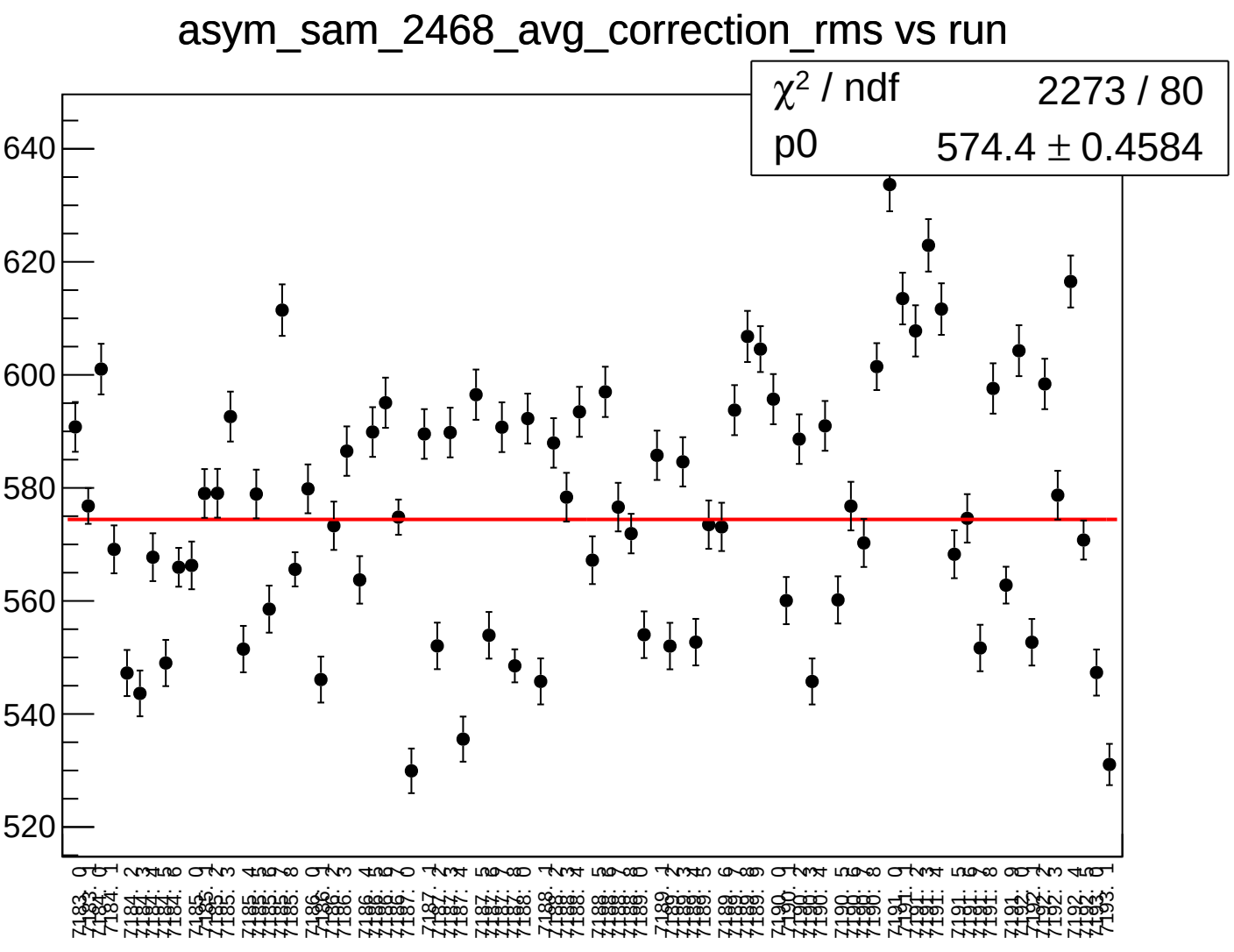

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 76.42 / 80
p0 103 ± 100.2
pull
Entries 81
Mean 444.5
Std Dev 393.6

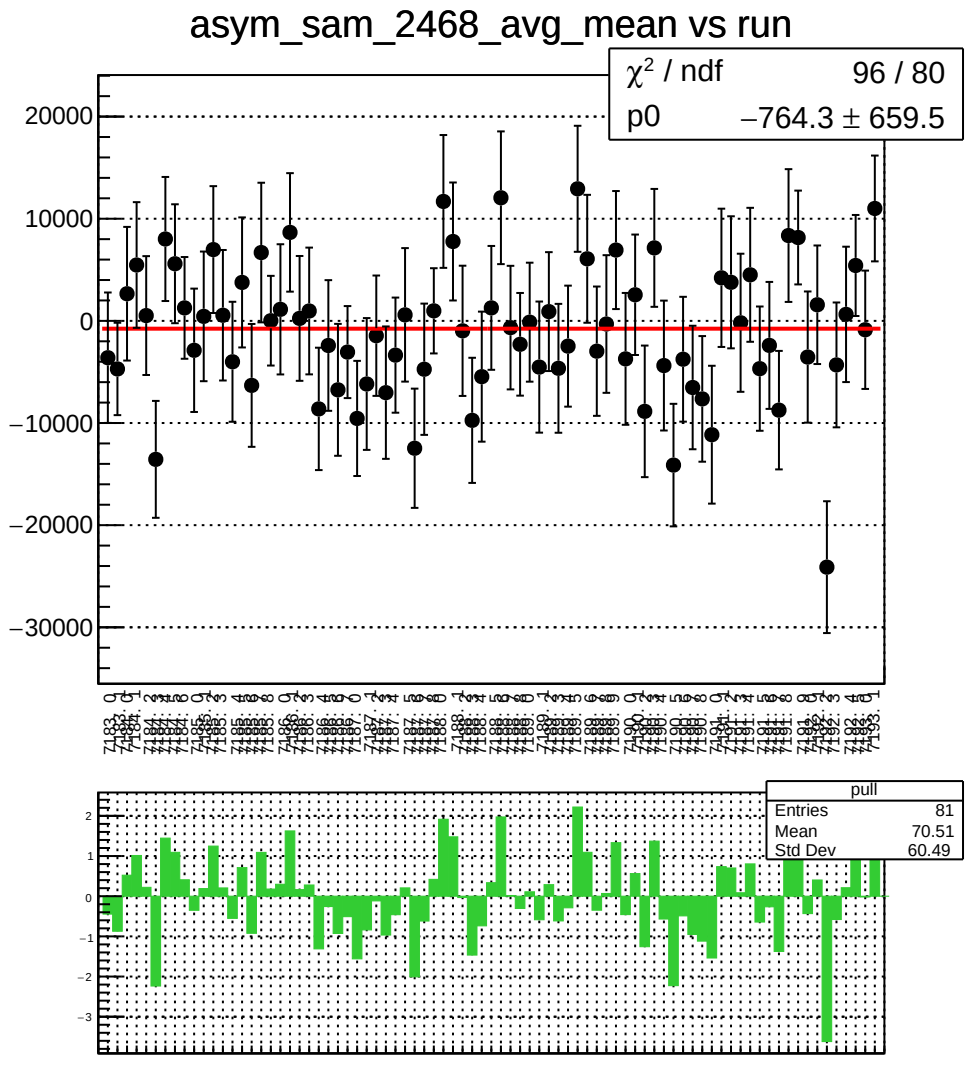

pull1D
Entries 81
Mean 0.003618
Std Dev 0.9713

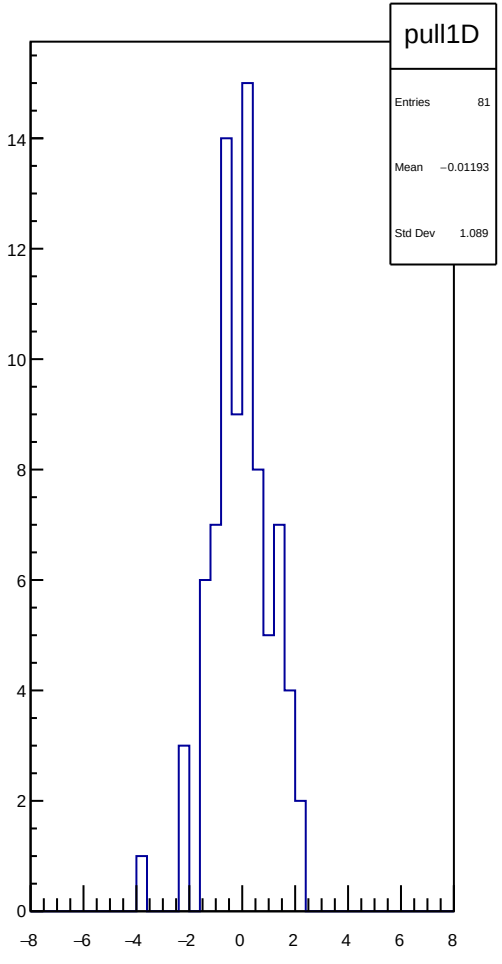

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.367e+04 / 80
p0 88.2 ± 0.07086
150
140
130
120
110
100
90
80

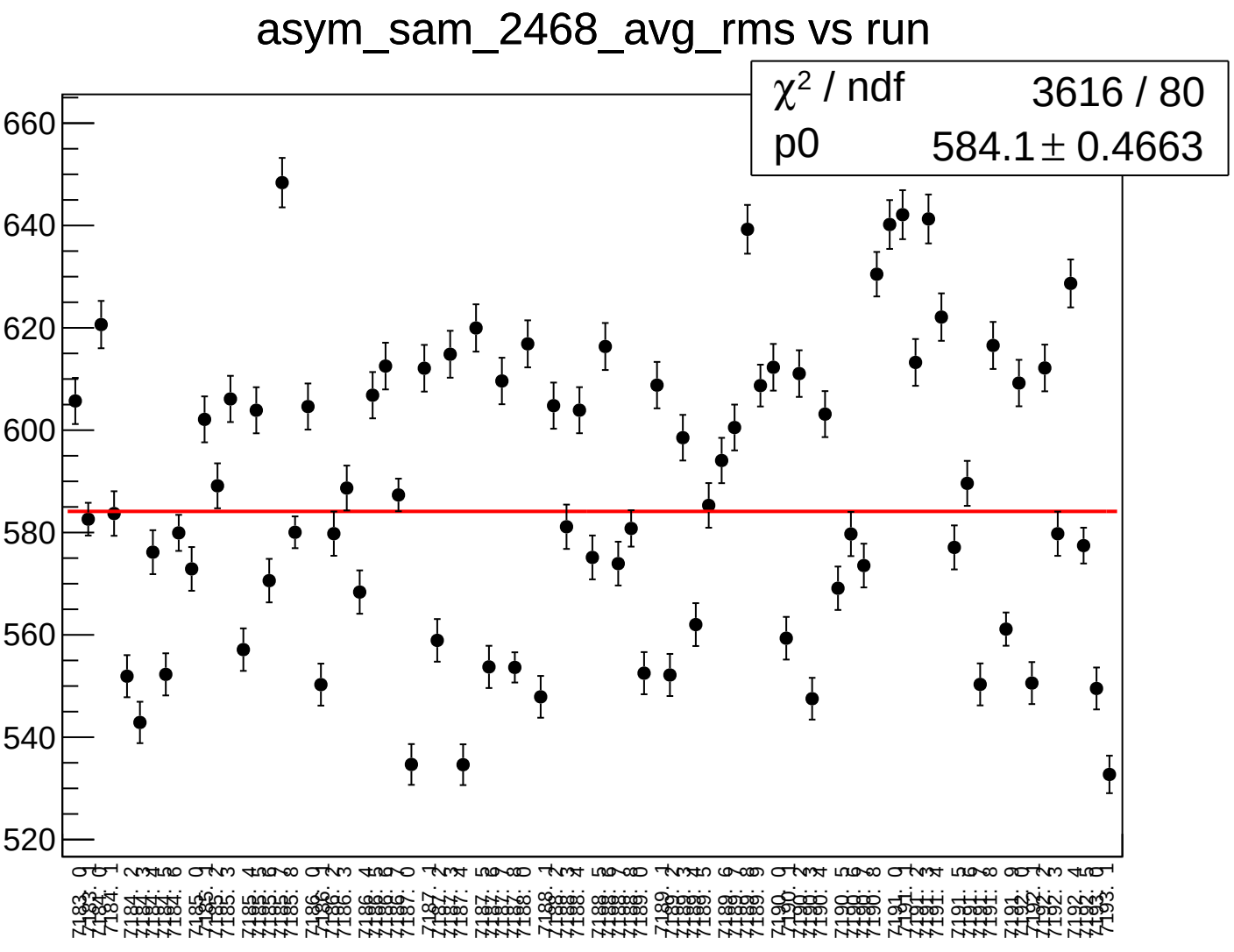

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 97.25 / 80
p0 850.8 ± 648.2
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 87.04
Std Dev 64.91
3
2
1
0
−1
−2

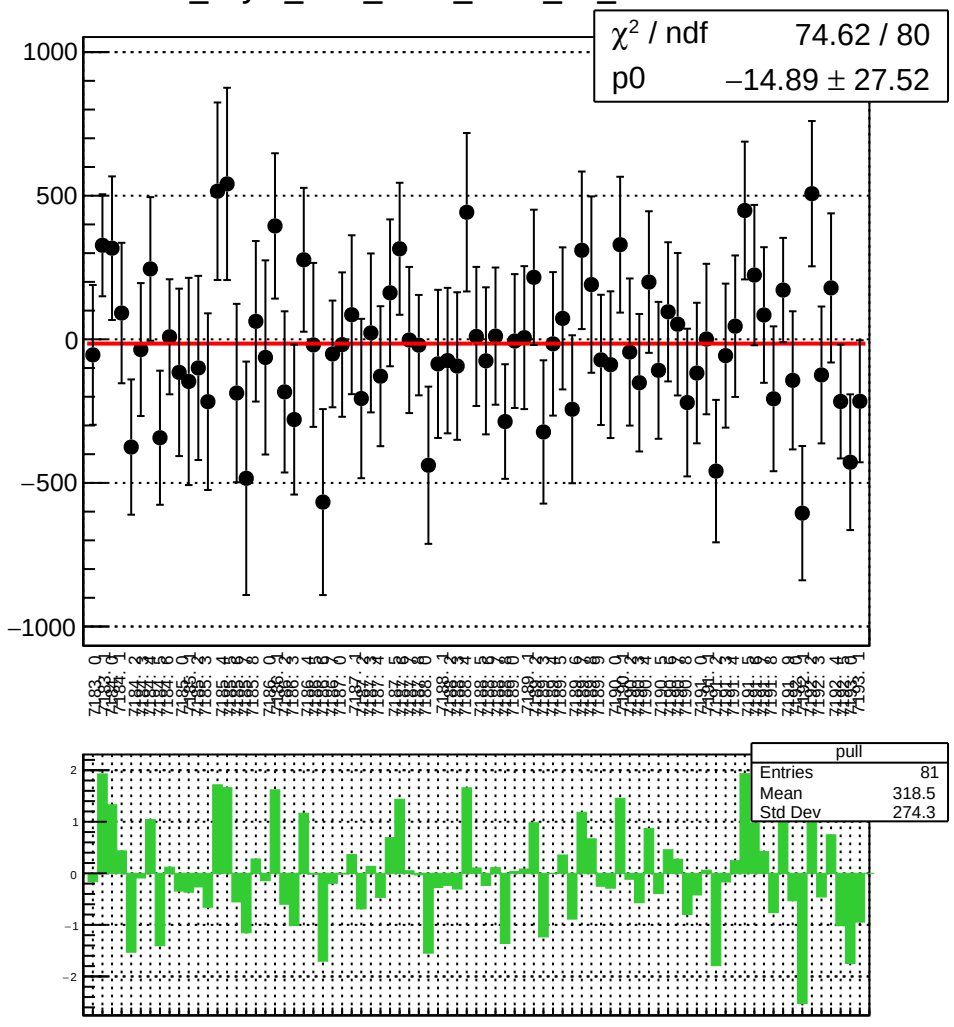

pull1D
Entries 81
Mean 0.01396
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

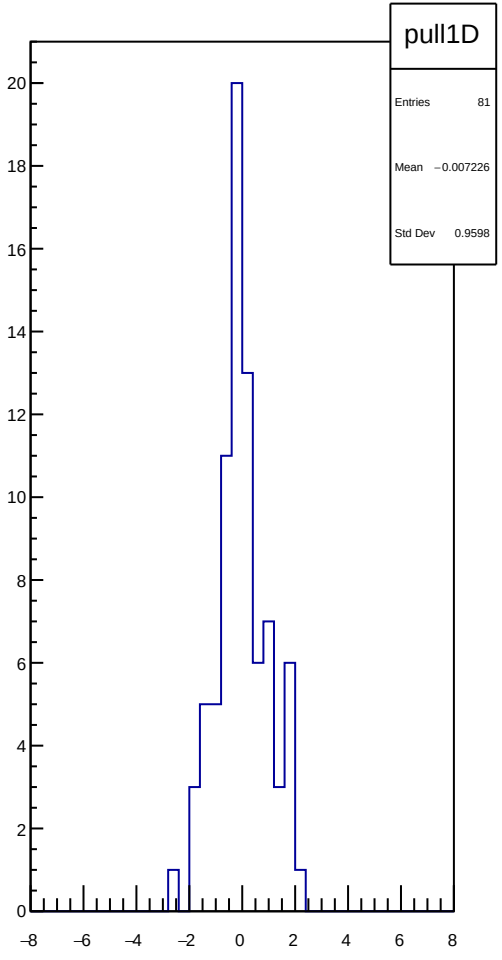

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2273 / 80
p0 574.4 ± 0.4584
640
620
600
580
560
540
520

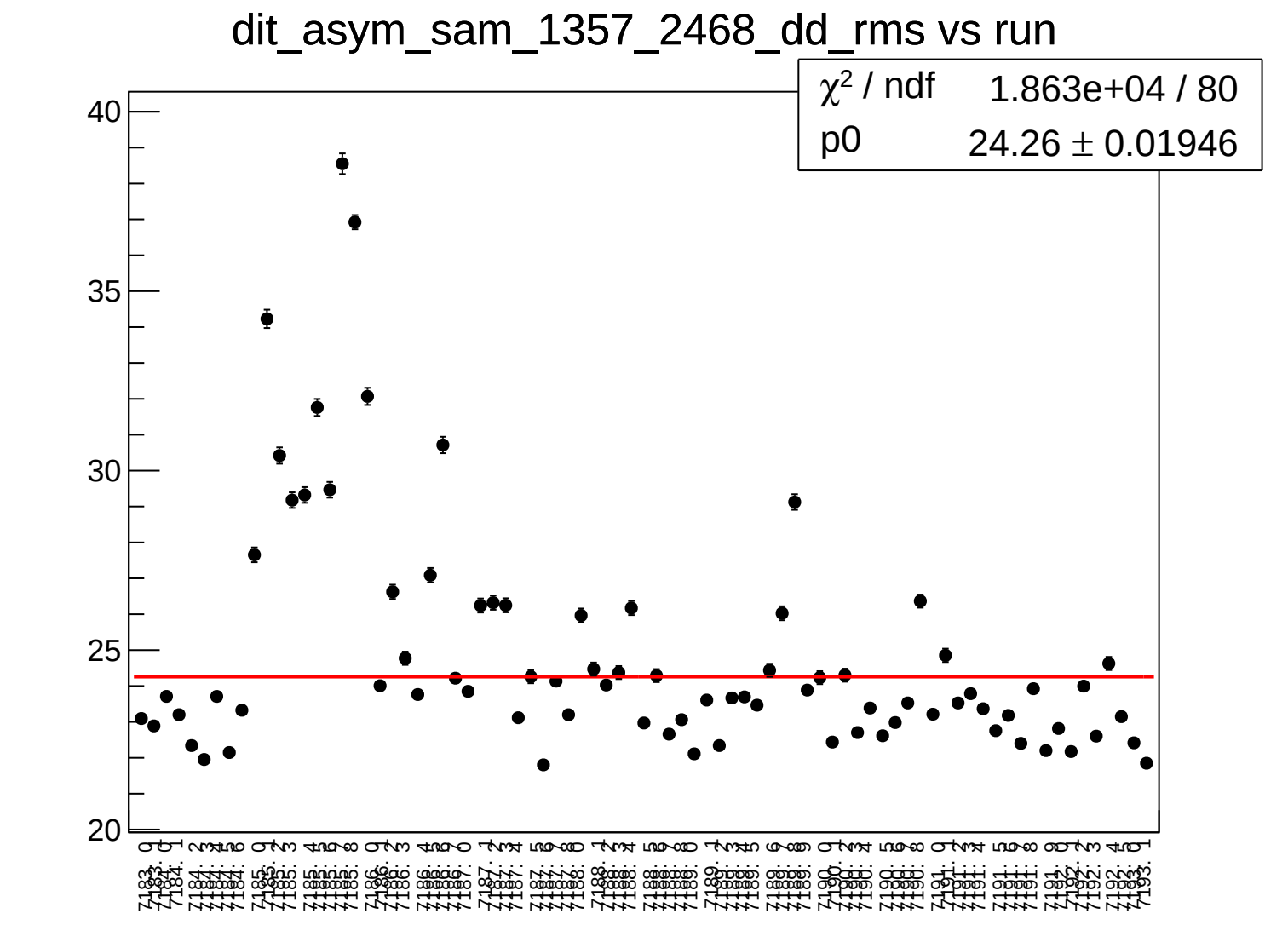

asym_sam_2468_avg_mean vs run
χ² / ndf 96 / 80
p0 −764.3 ± 659.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 70.51
Std Dev 60.49
2
1
0
−1
−2
−3

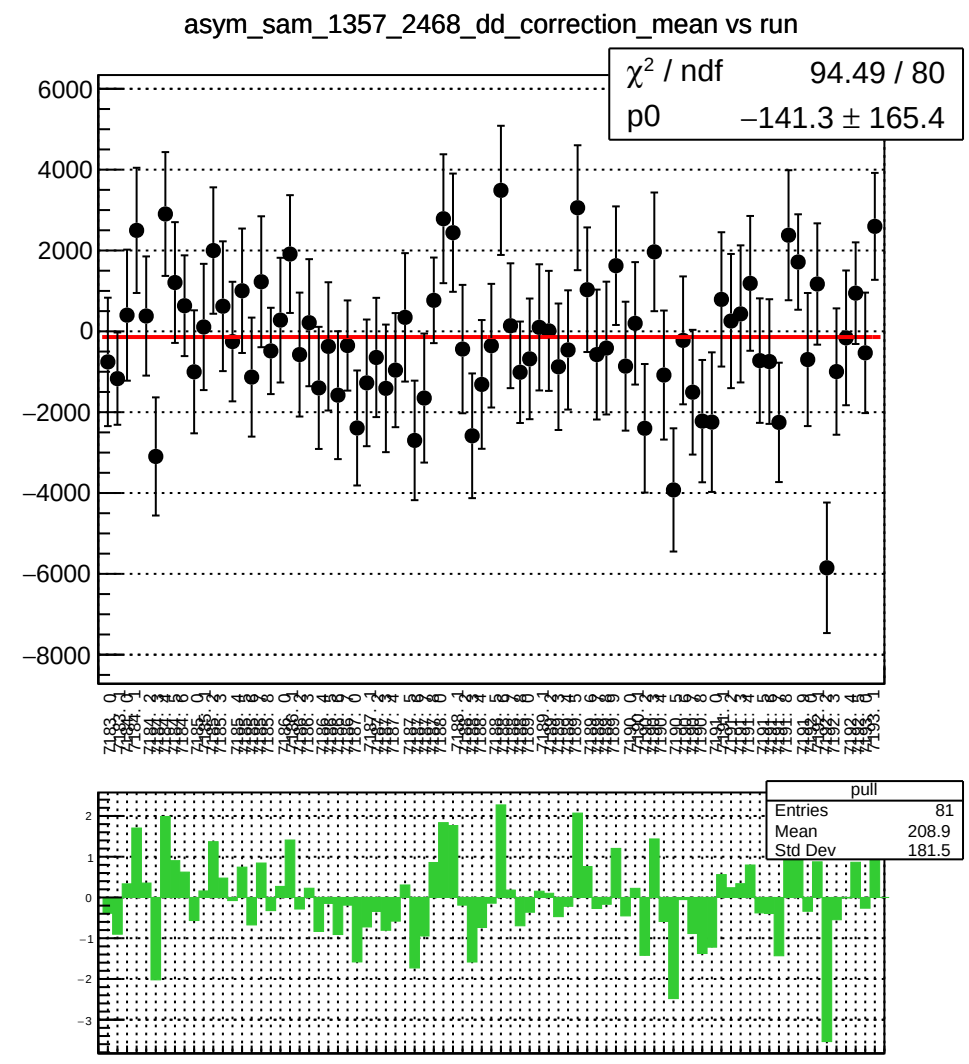

pull1D
Entries 81
Mean −0.01193
Std Dev 1.089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

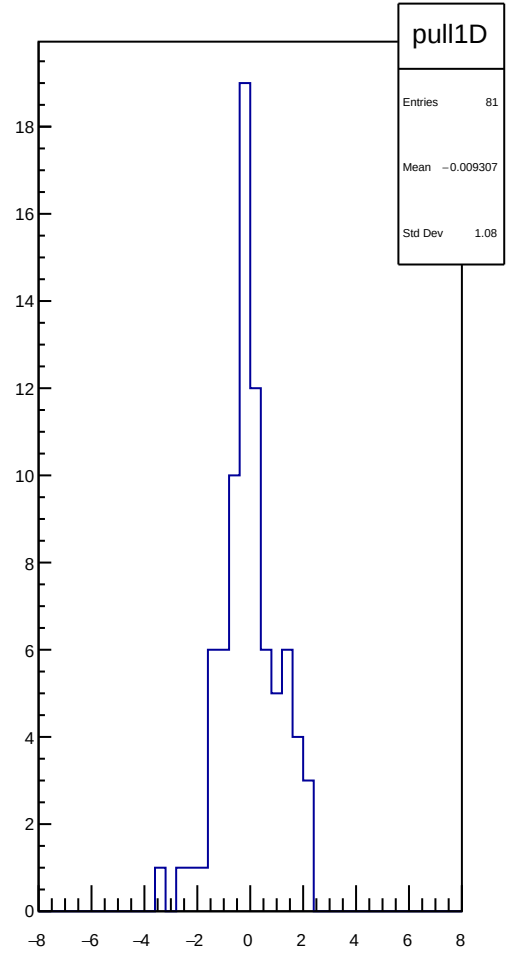

asym_sam_2468_avg_rms vs run
χ² / ndf 3616 / 80
p0 584.1 ± 0.4663
660
640
620
600
580
560
540
520

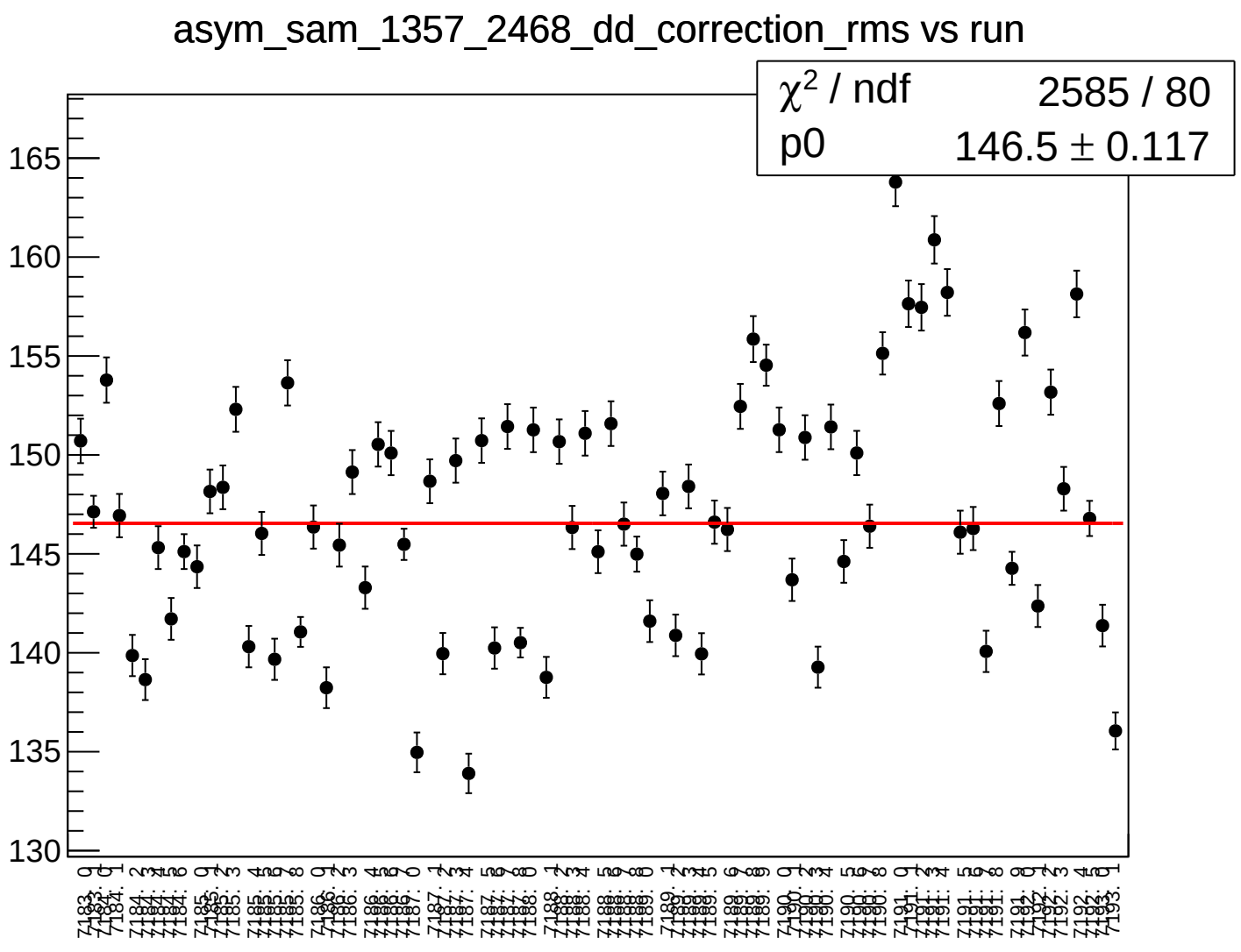

dit_asym_sam_1357_2468_dd_mean vs run
$\chi^2$ / ndf 74.62 / 80
p0 −14.89 ± 27.52
1000
500
0
−500
−1000
pull
Entries 81
Mean 318.5
Std Dev 274.3
2
1
0
−1
−2

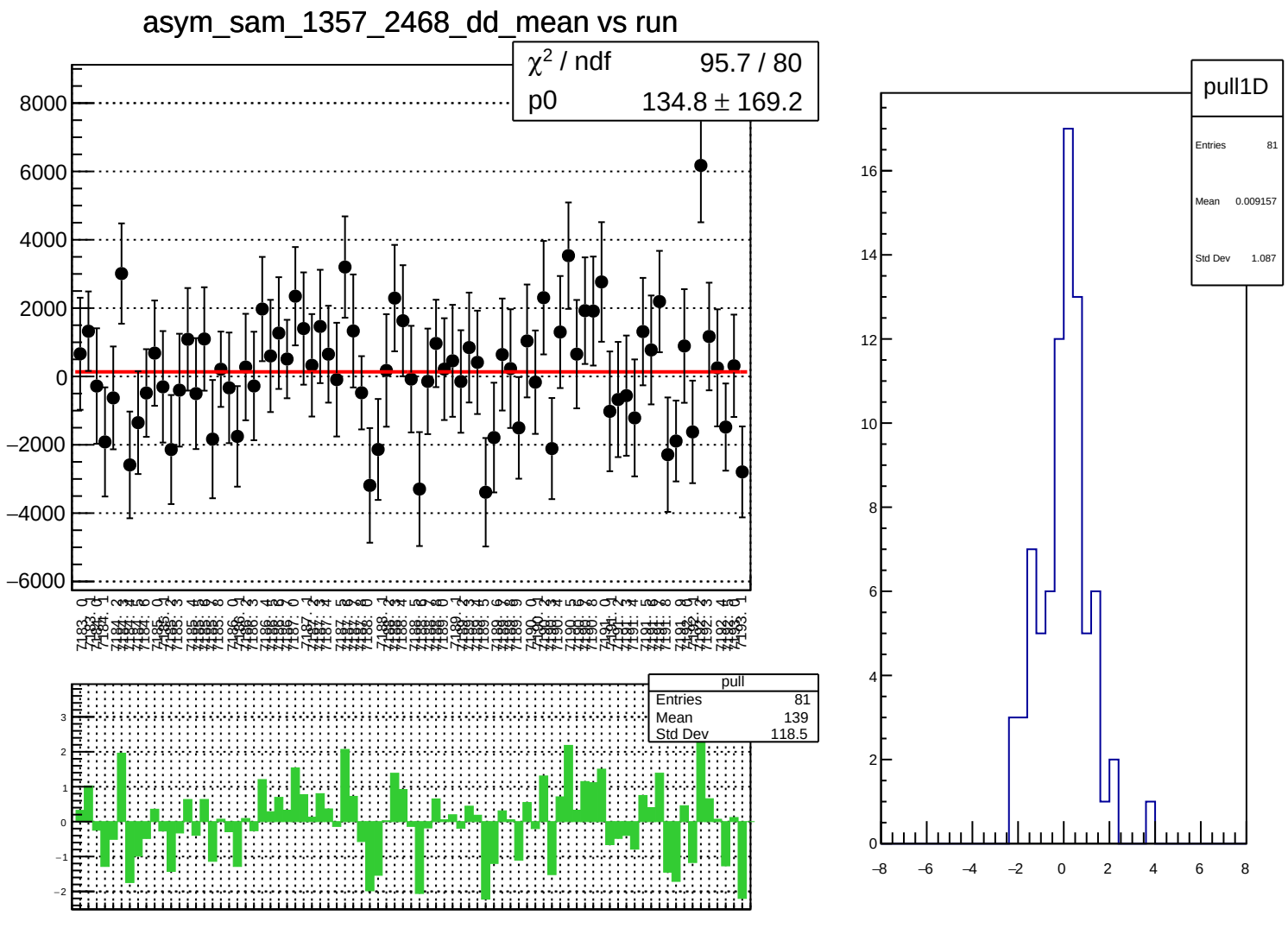

pull1D
Entries 81
Mean −0.007226
Std Dev 0.9598
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

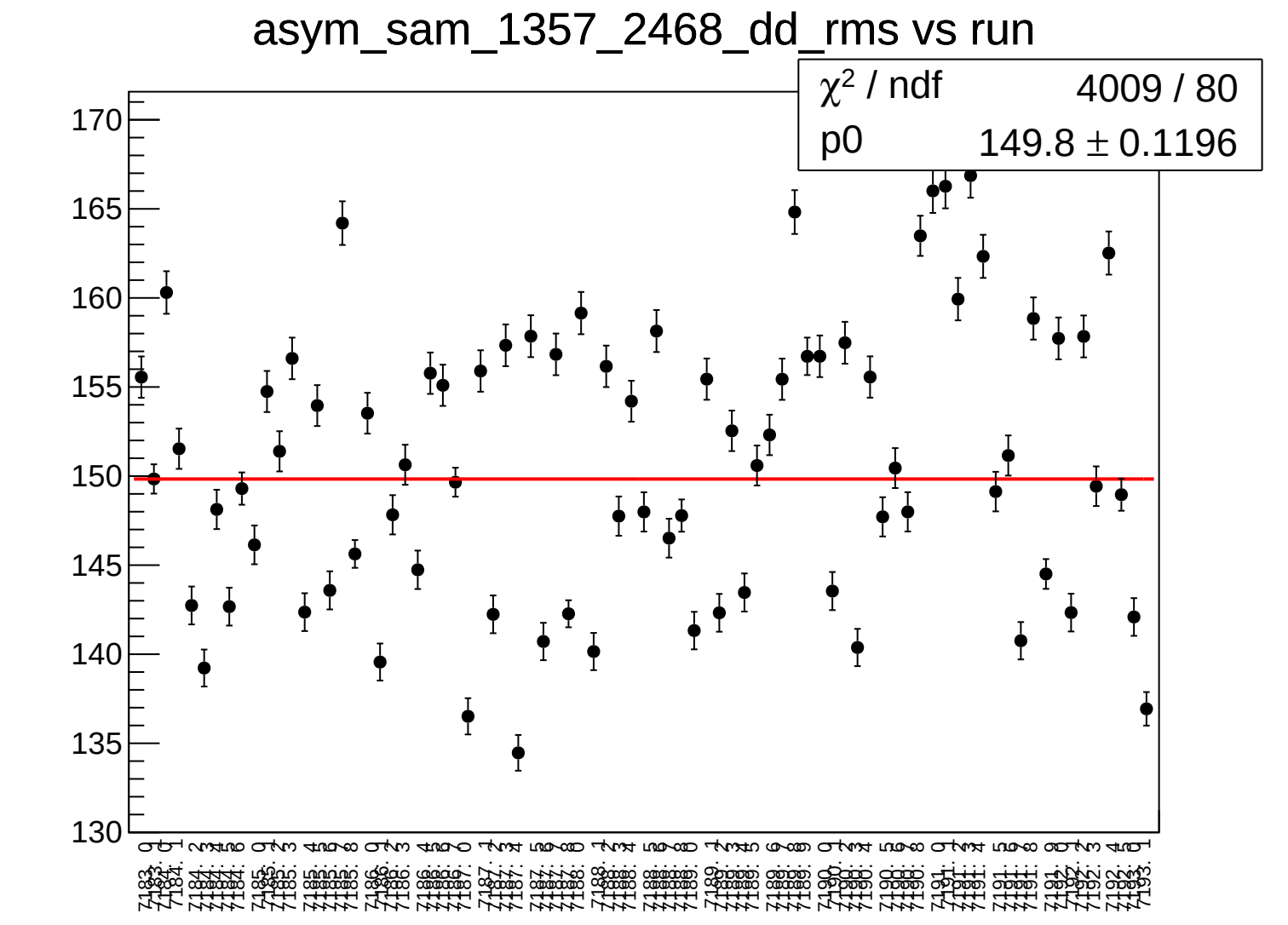

dit_asym_sam_1357_2468_dd_rms vs run
$\chi^2$ / ndf 1.863e+04 / 80
p0 24.26 ± 0.01946
40
35
30
25
20

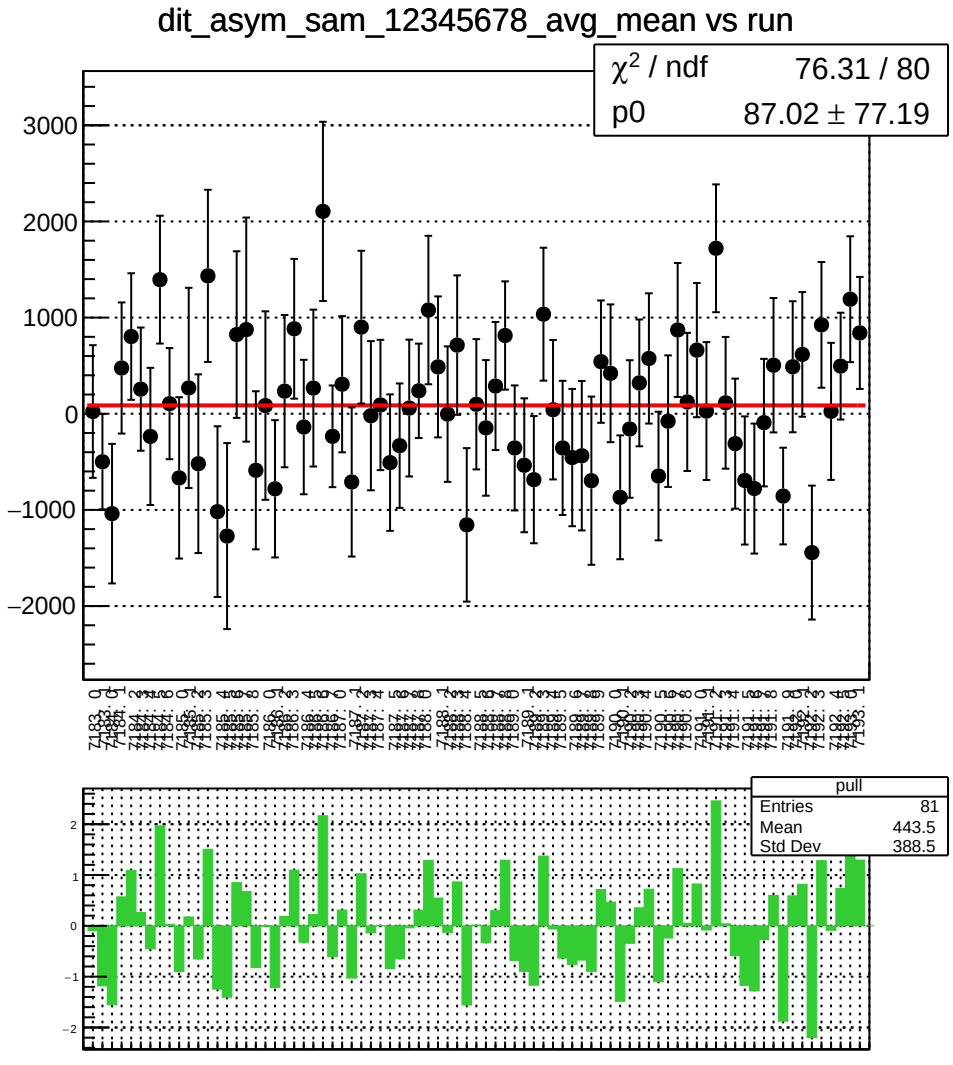

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 94.49 / 80
p0 −141.3 ± 165.4
pull
Entries 81
Mean 208.9
Std Dev 181.5

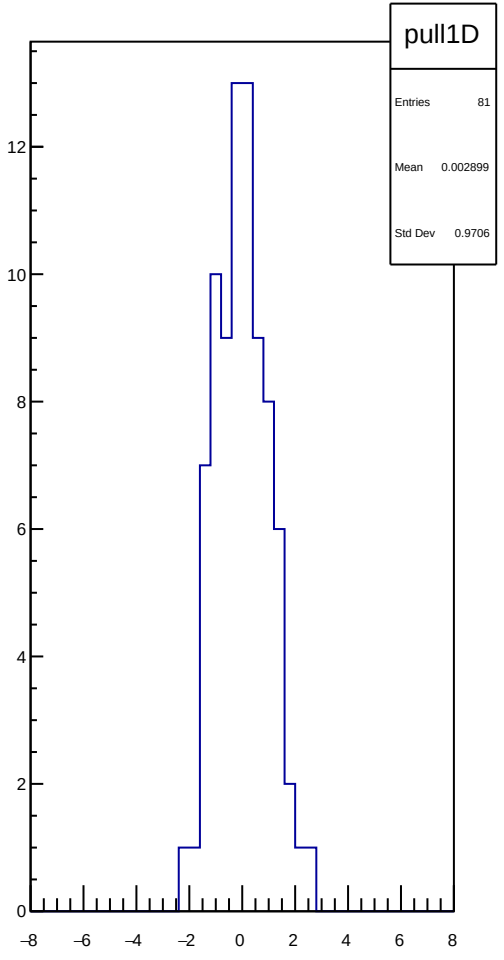

pull1D
Entries 81
Mean −0.009307
Std Dev 1.08

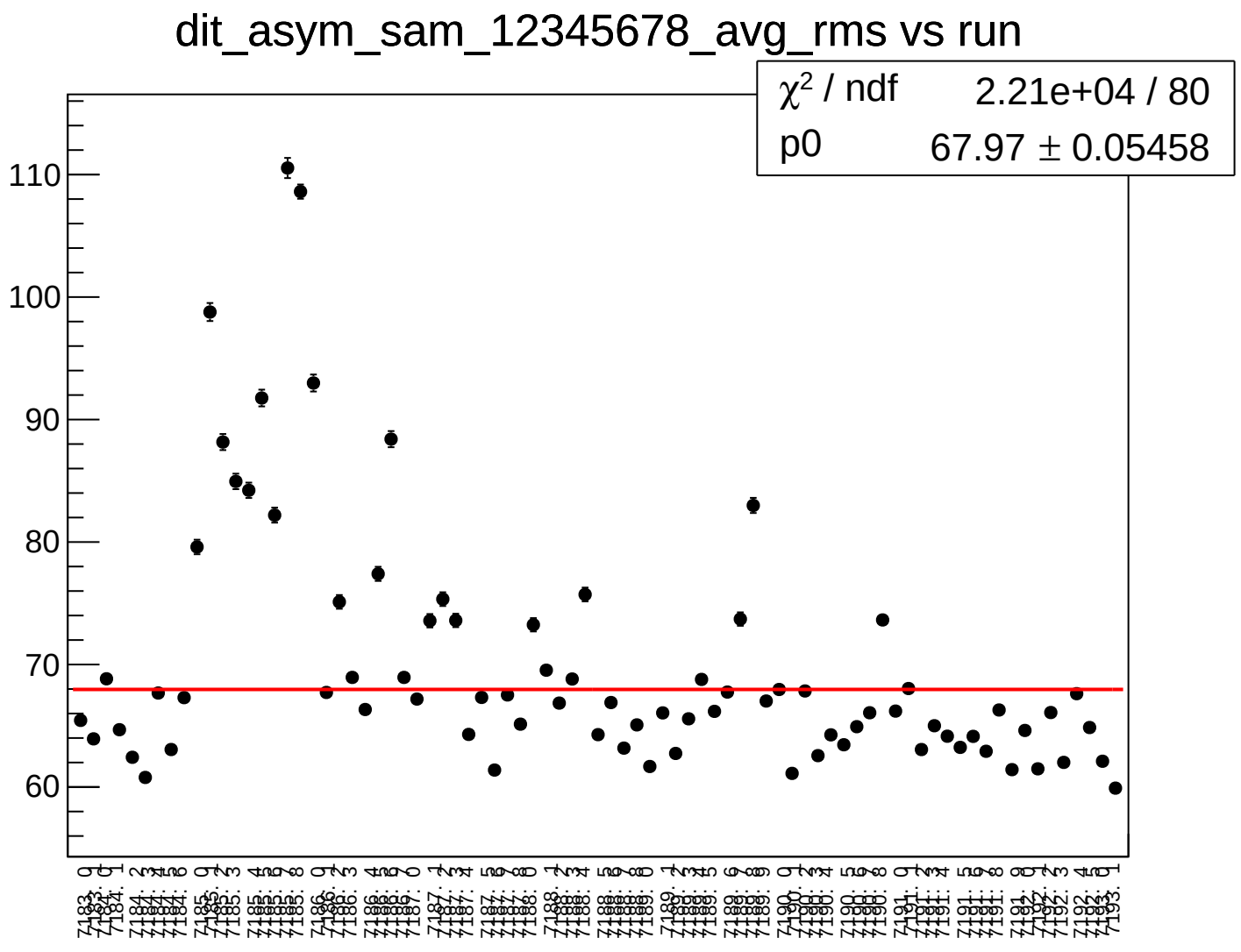

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2585 / 80
p0 146.5 ± 0.117
165
160
155
150
145
140
135
130

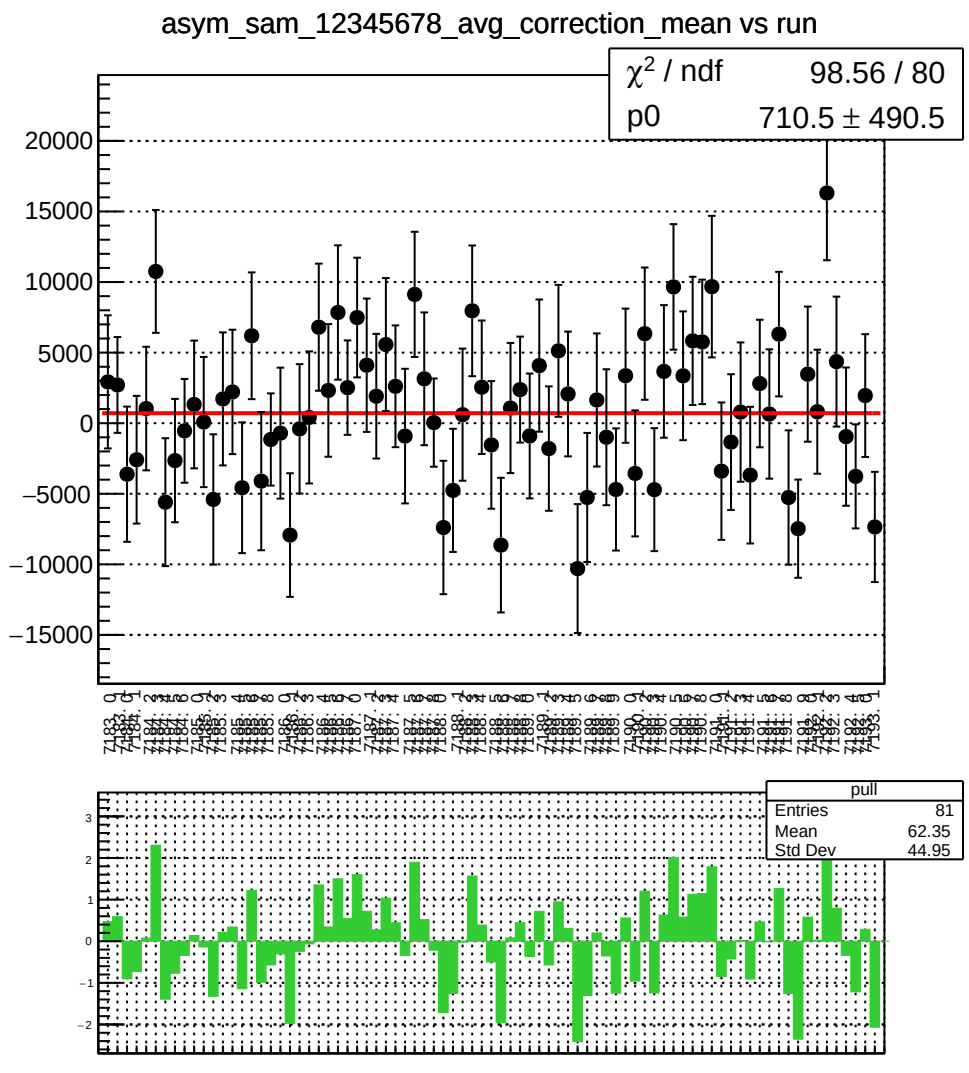

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 95.7 / 80
p0 134.8 ± 169.2
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean 139
Std Dev 118.5
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.009157
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

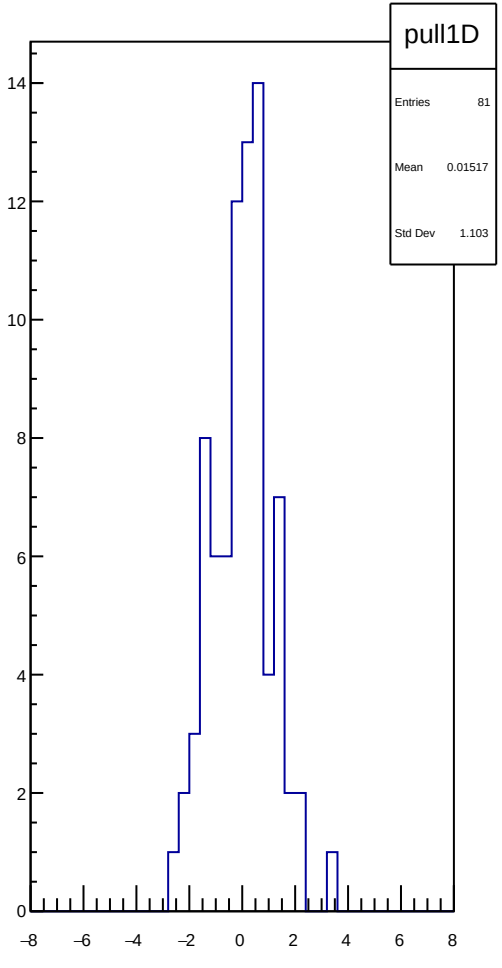

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4009 / 80
p0 149.8 ± 0.1196
170
165
160
155
150
145
140
135
130

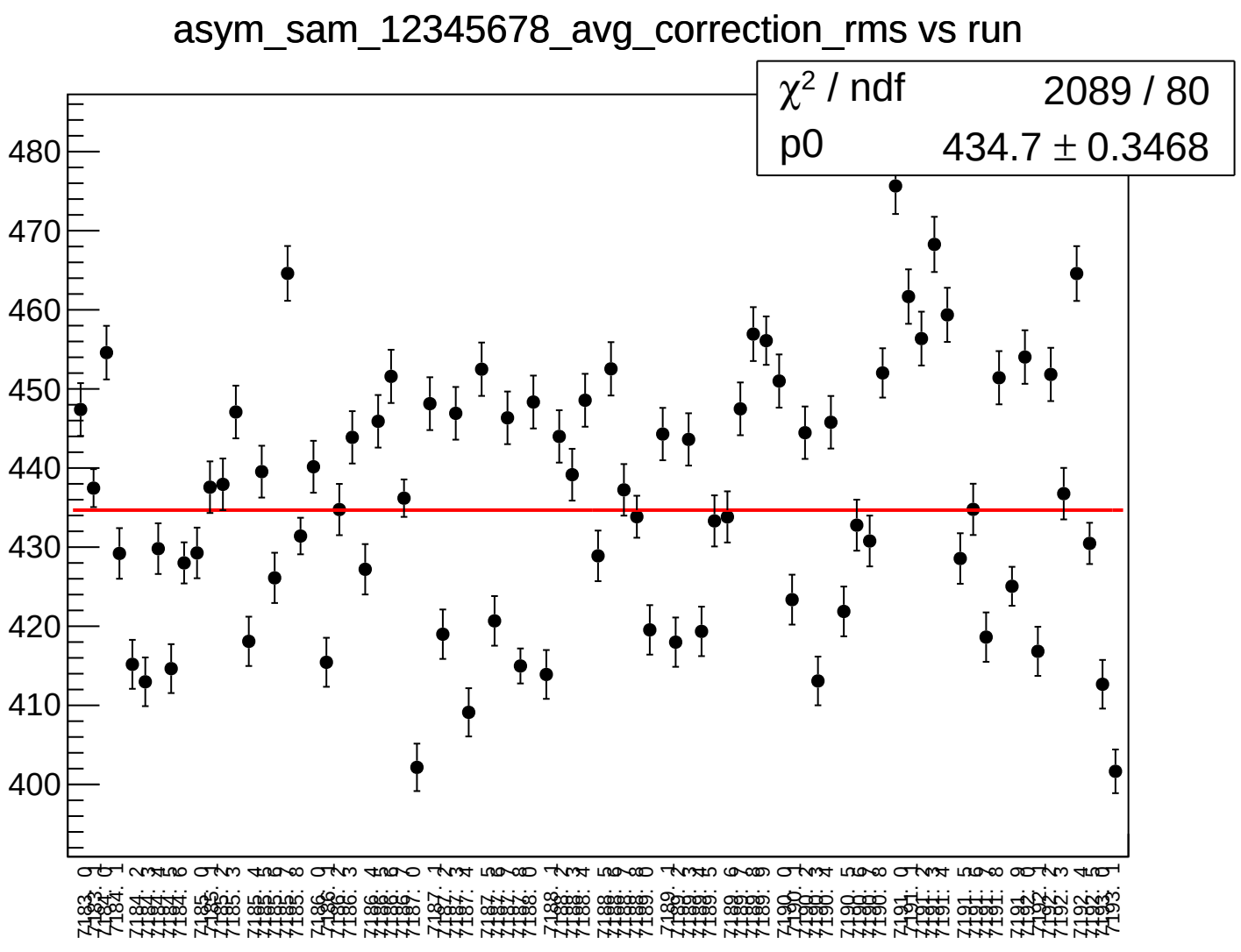

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 76.31 / 80
p0 87.02 ± 77.19
pull
Entries 81
Mean 443.5
Std Dev 388.5

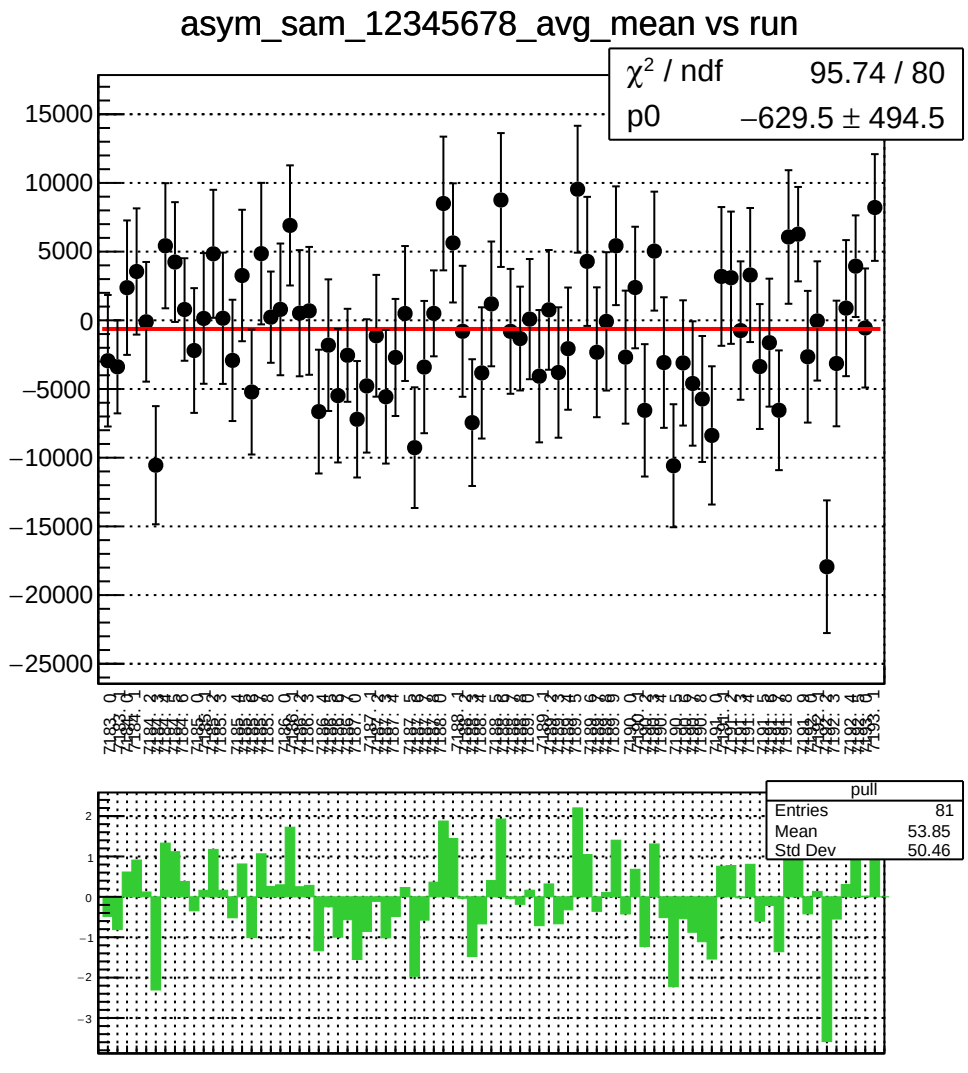

pull1D
Entries 81
Mean 0.002899
Std Dev 0.9706

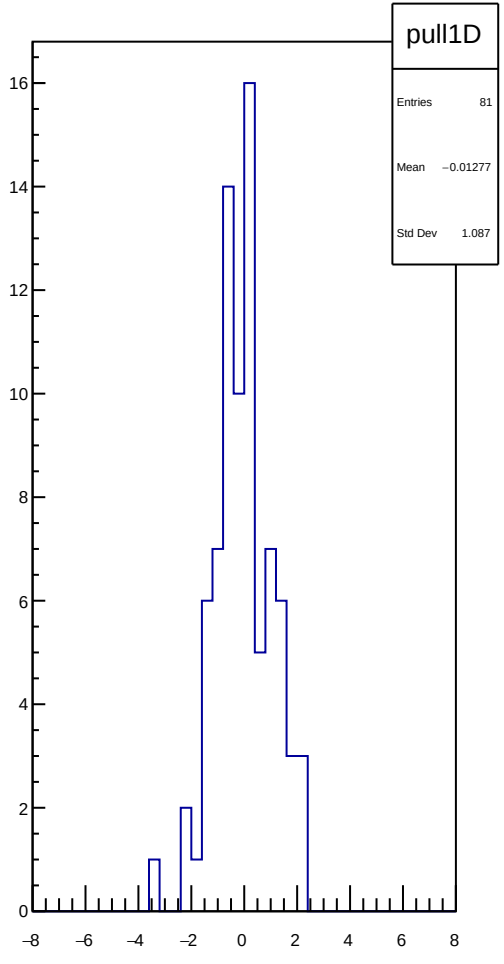

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.21e+04 / 80
p0 67.97 ± 0.05458
110
100
90
80
70
60

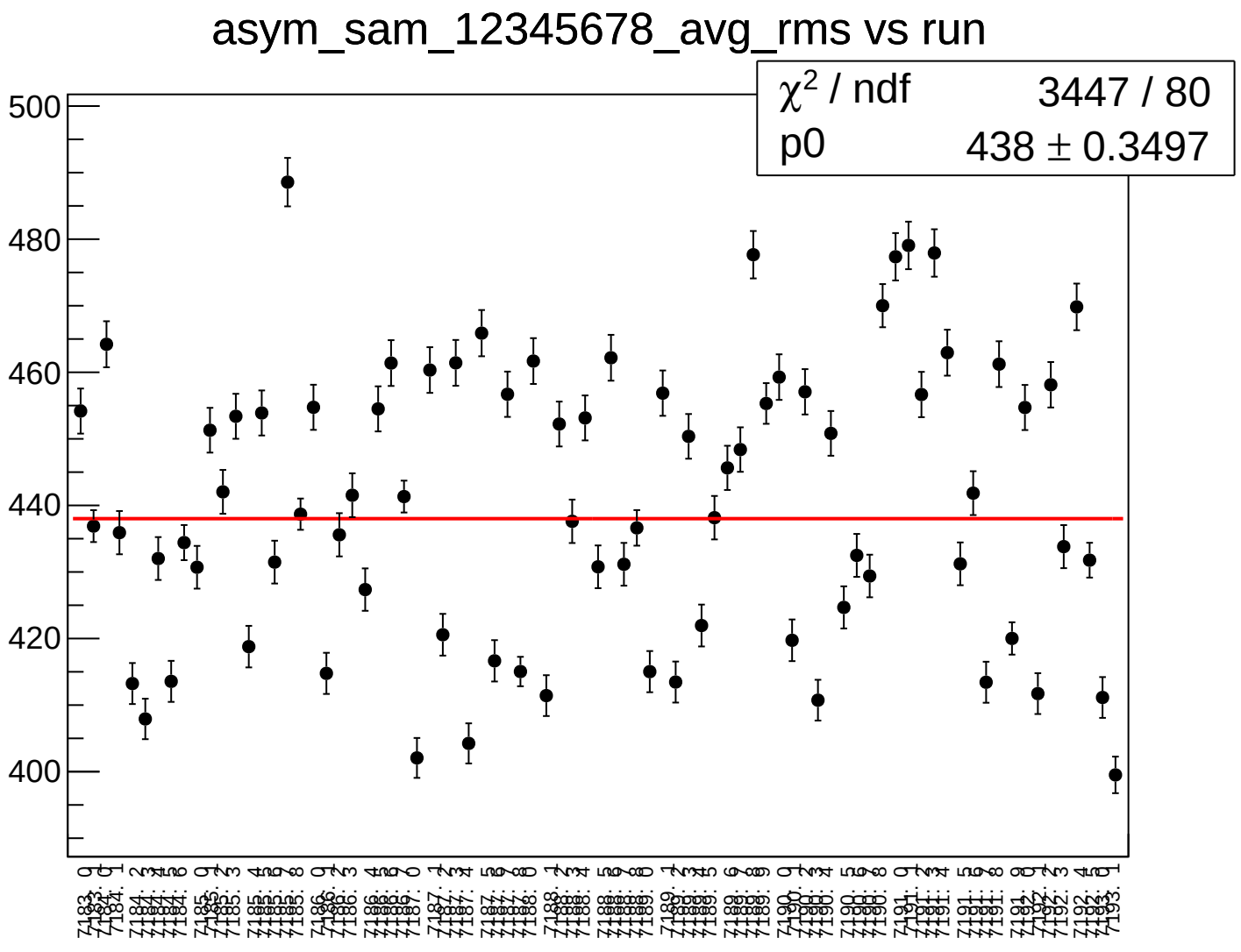

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 98.56 / 80
p0 710.5 ± 490.5
pull
Entries 81
Mean 62.35
Std Dev 44.95

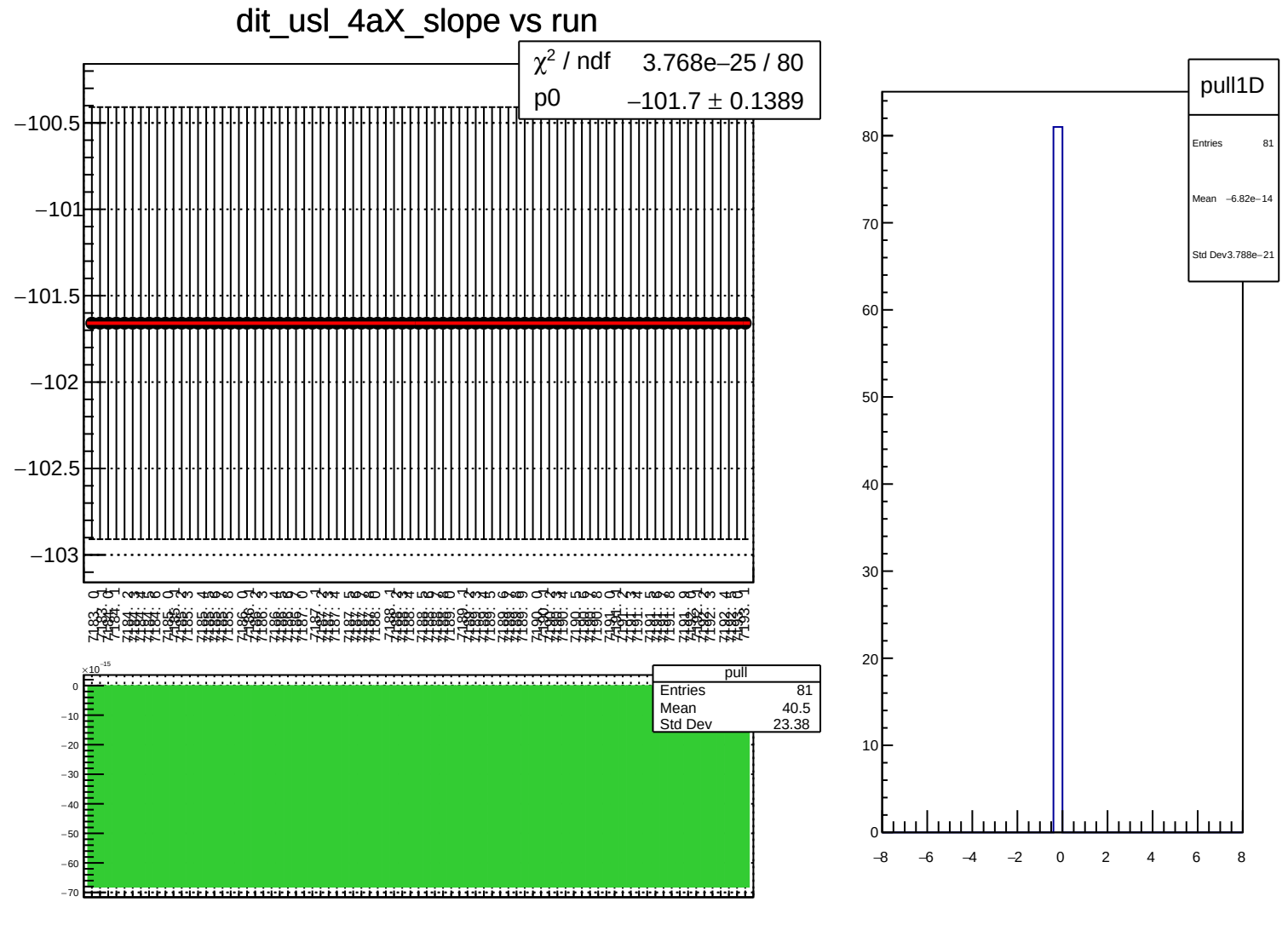

pull1D
Entries 81
Mean 0.01517
Std Dev 1.103

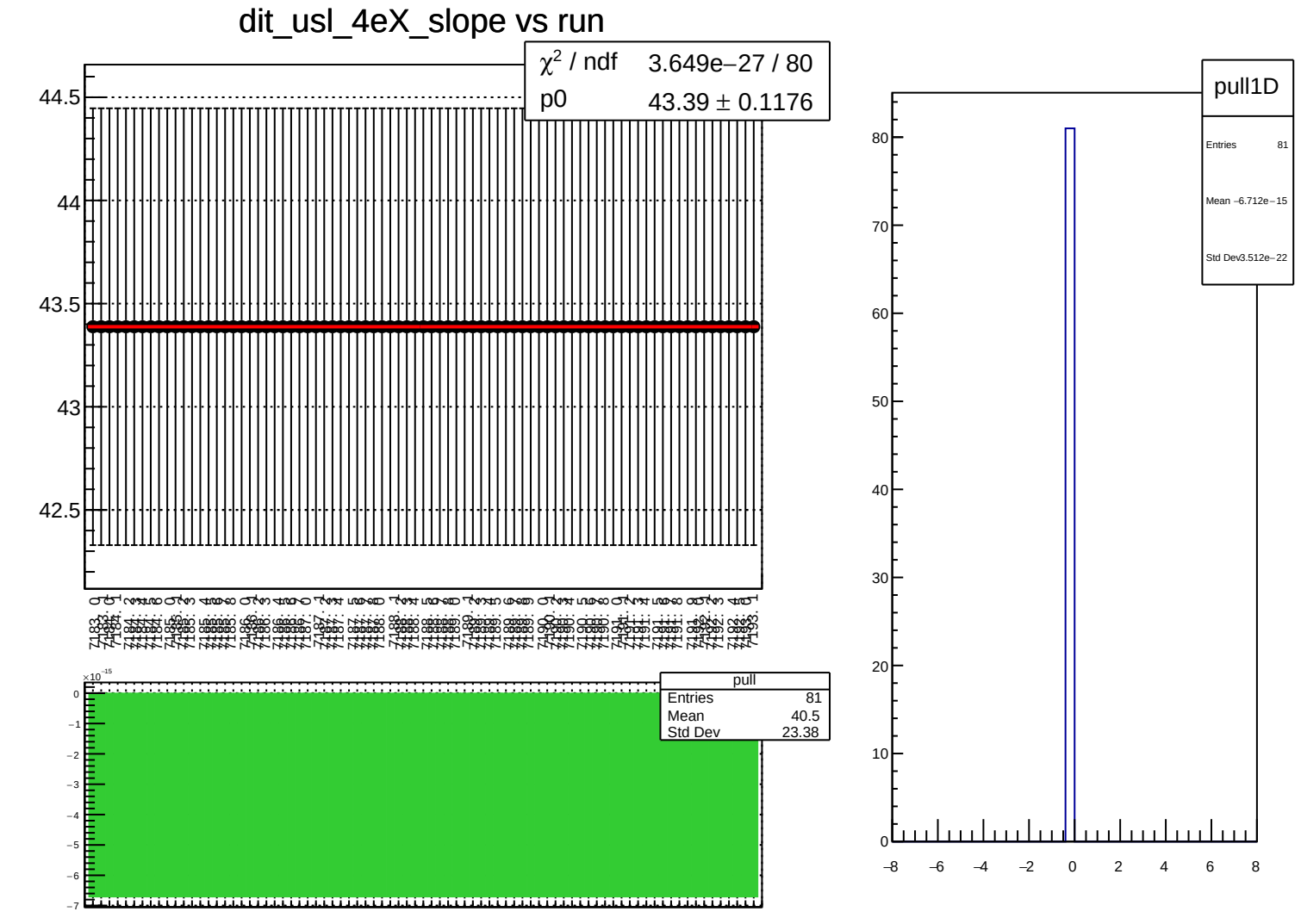

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2089 / 80
p0 434.7 ± 0.3468
480
470
460
450
440
430
420
410
400

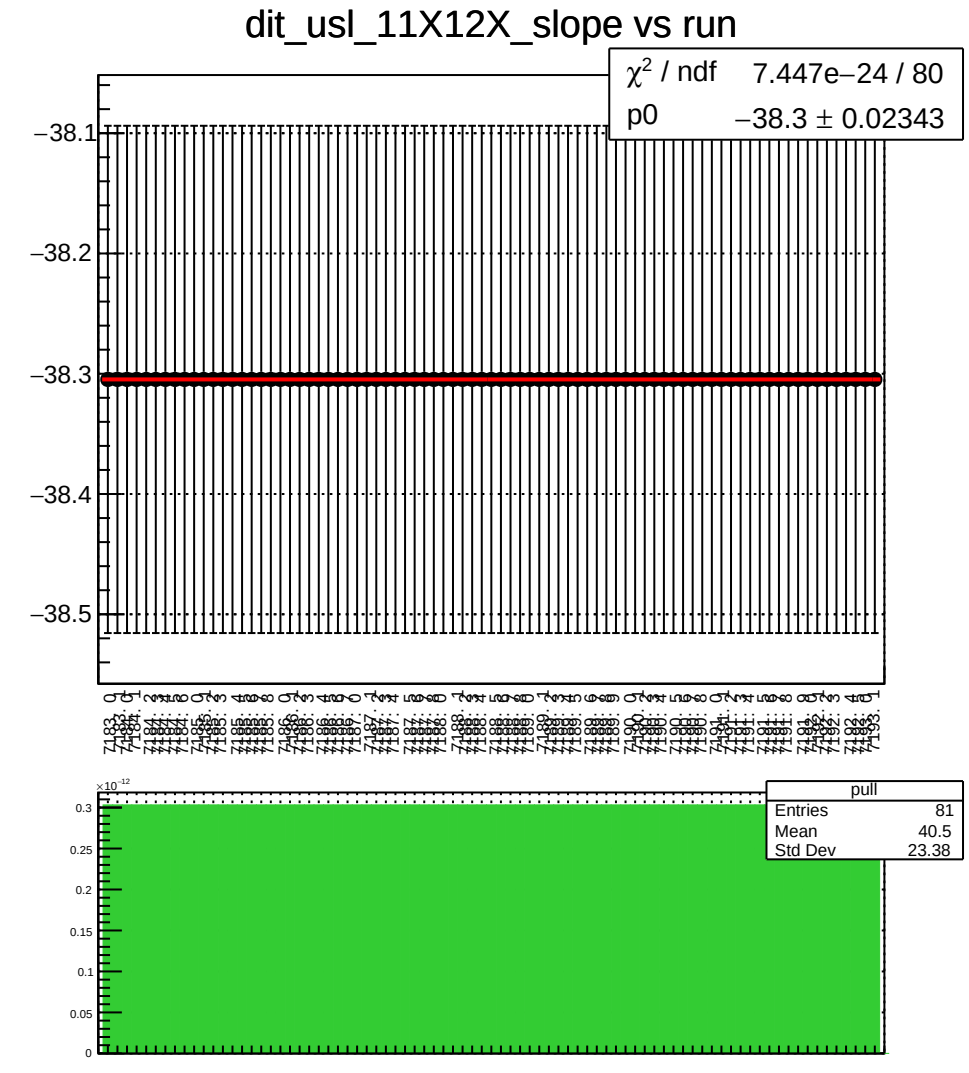

asym_sam_12345678_avg_mean vs run
χ² / ndf 95.74 / 80
p0 −629.5 ± 494.5
pull
Entries 81
Mean 53.85
Std Dev 50.46

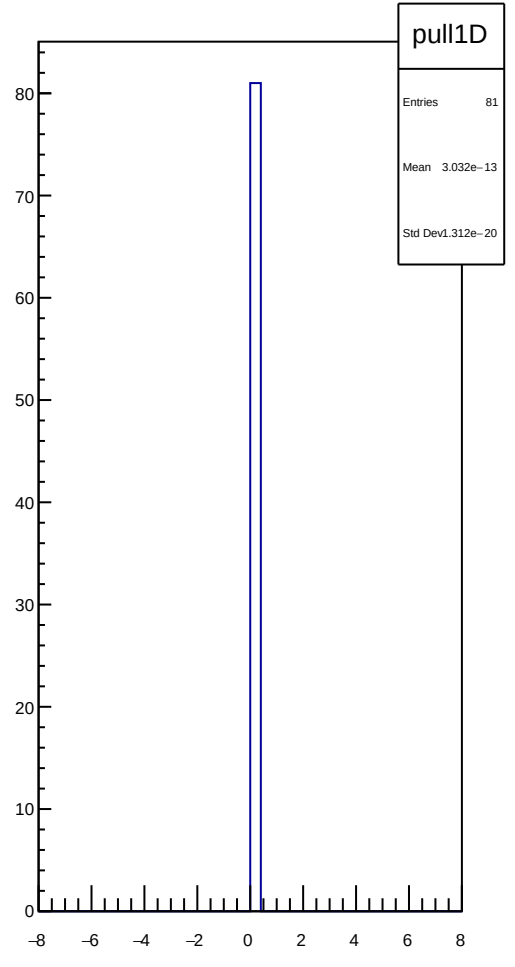

pull1D
Entries 81
Mean −0.01277
Std Dev 1.087

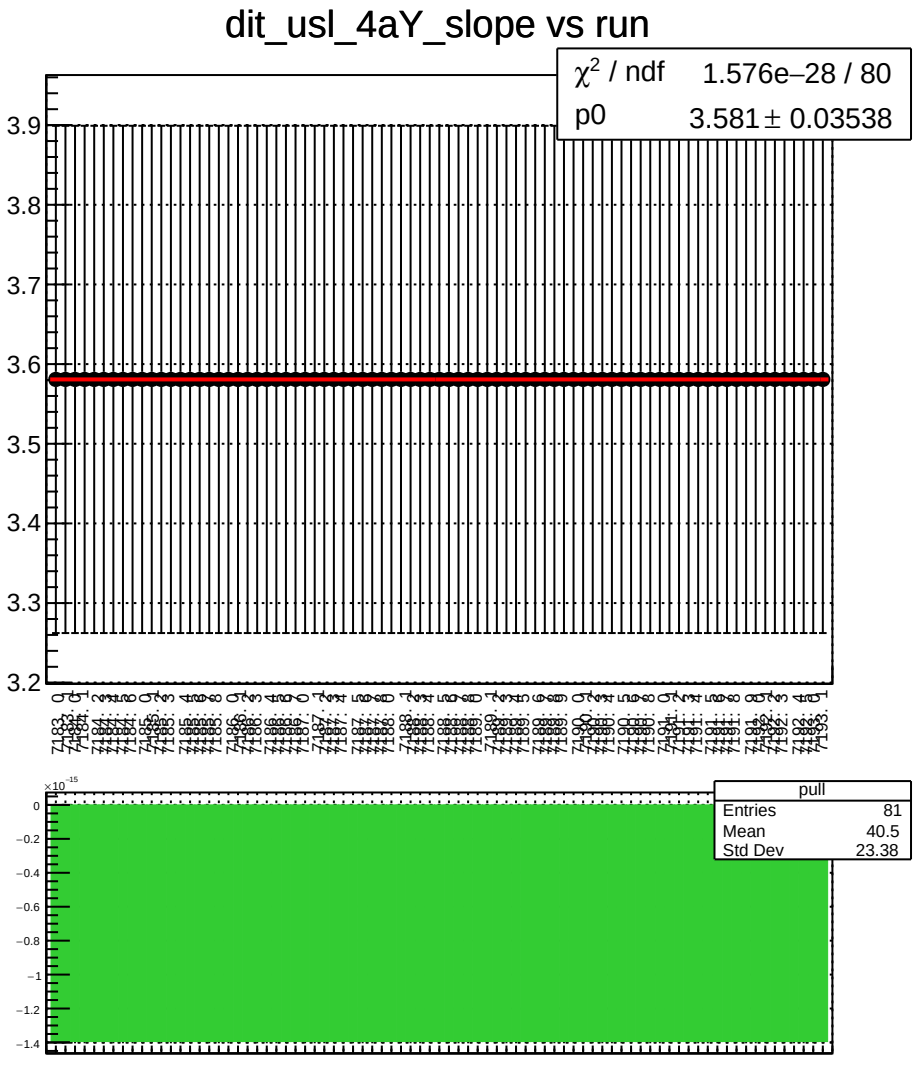

asym_sam_12345678_avg_rms vs run
χ² / ndf 3447 / 80
p0 438 ± 0.3497
500
480
460
440
420
400

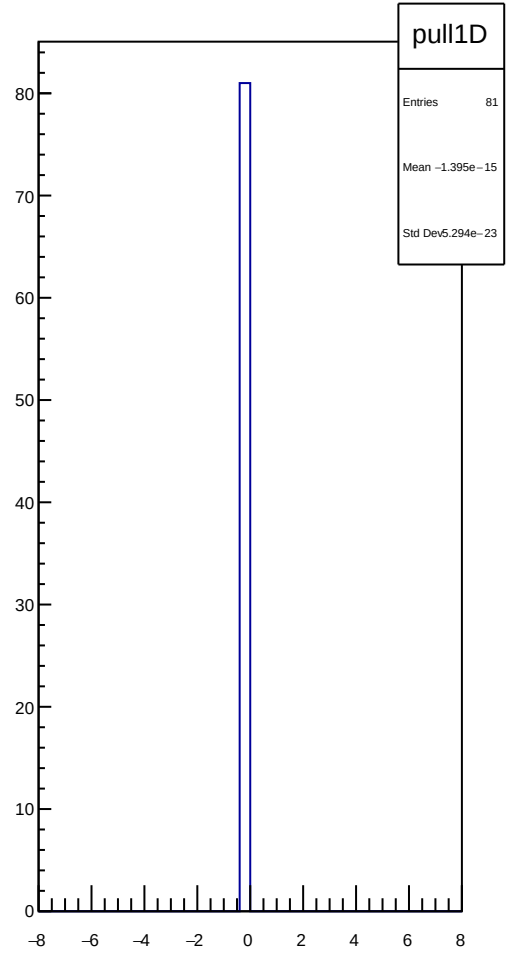

dit_usl_4aX_slope vs run
χ² / ndf 3.768e−25 / 80
p0 −101.7 ± 0.1389
−100.5
−101
−101.5
−102
−102.5
−103
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 81
Mean −6.82e−14
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

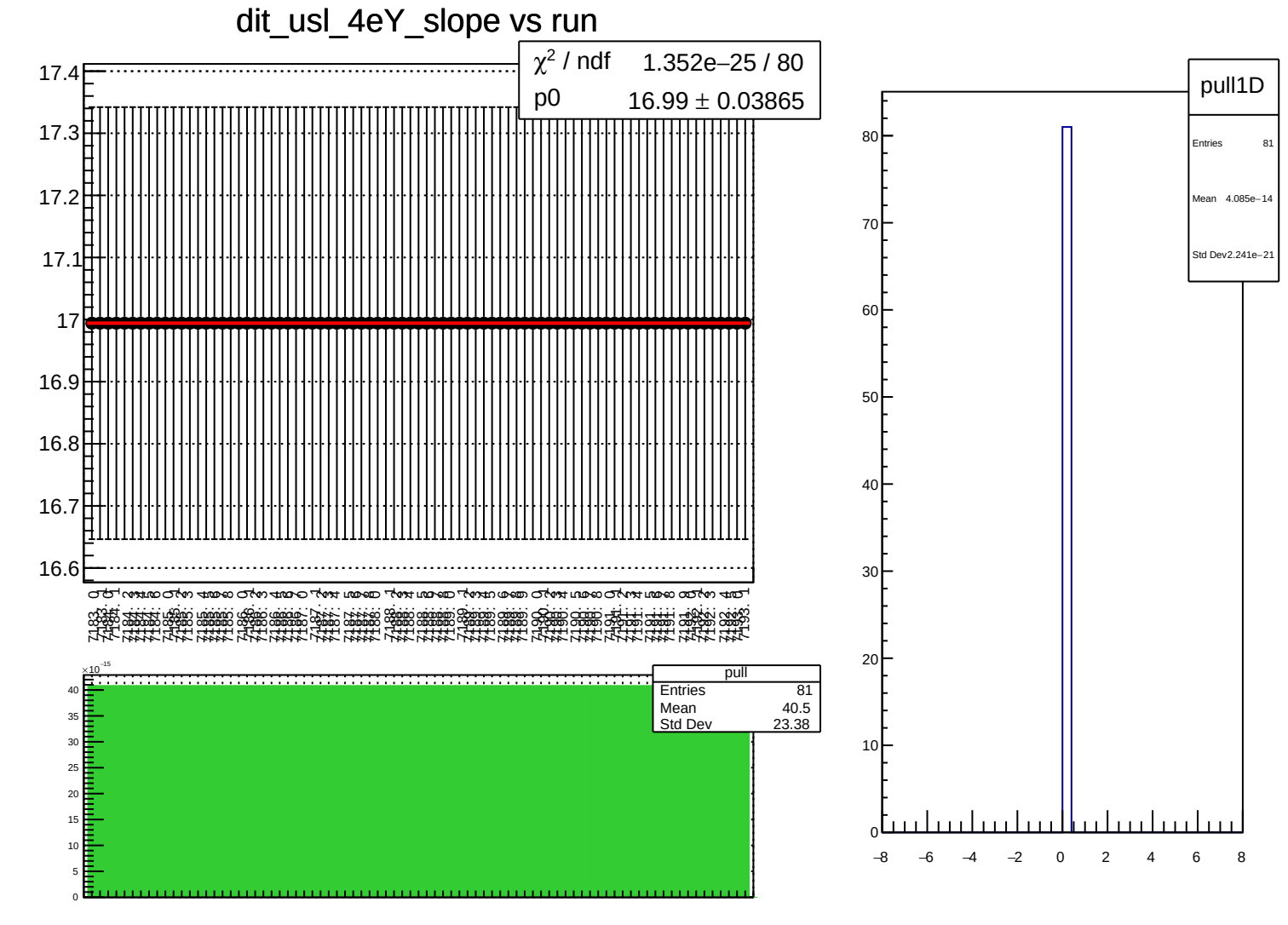

dit_usl_4eX_slope vs run
χ² / ndf 3.649e−27 / 80
p0 43.39 ± 0.1176
44.5
44
43.5
43
42.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 81
Mean −6.712e−15
Std Dev3.512e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

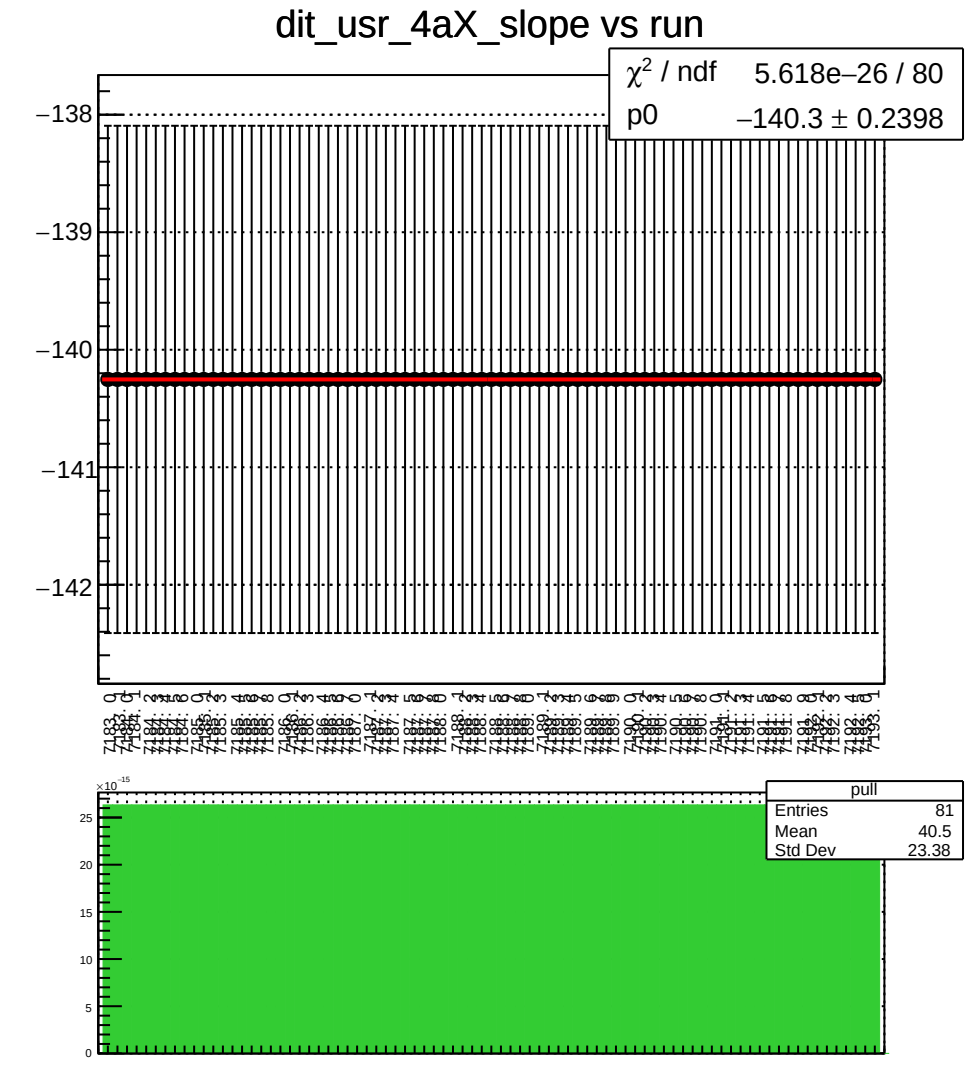

dit_usl_11X12X_slope vs run
χ² / ndf 7.447e−24 / 80
p0 −38.3 ± 0.02343
−38.1
−38.2
−38.3
−38.4
−38.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

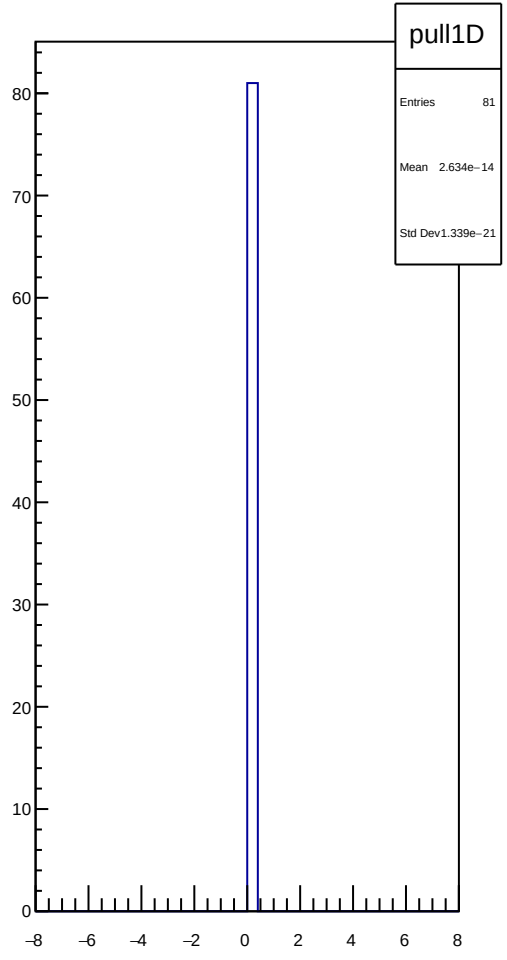

pull1D
Entries 81
Mean 3.032e−13
Std Dev 1.312e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

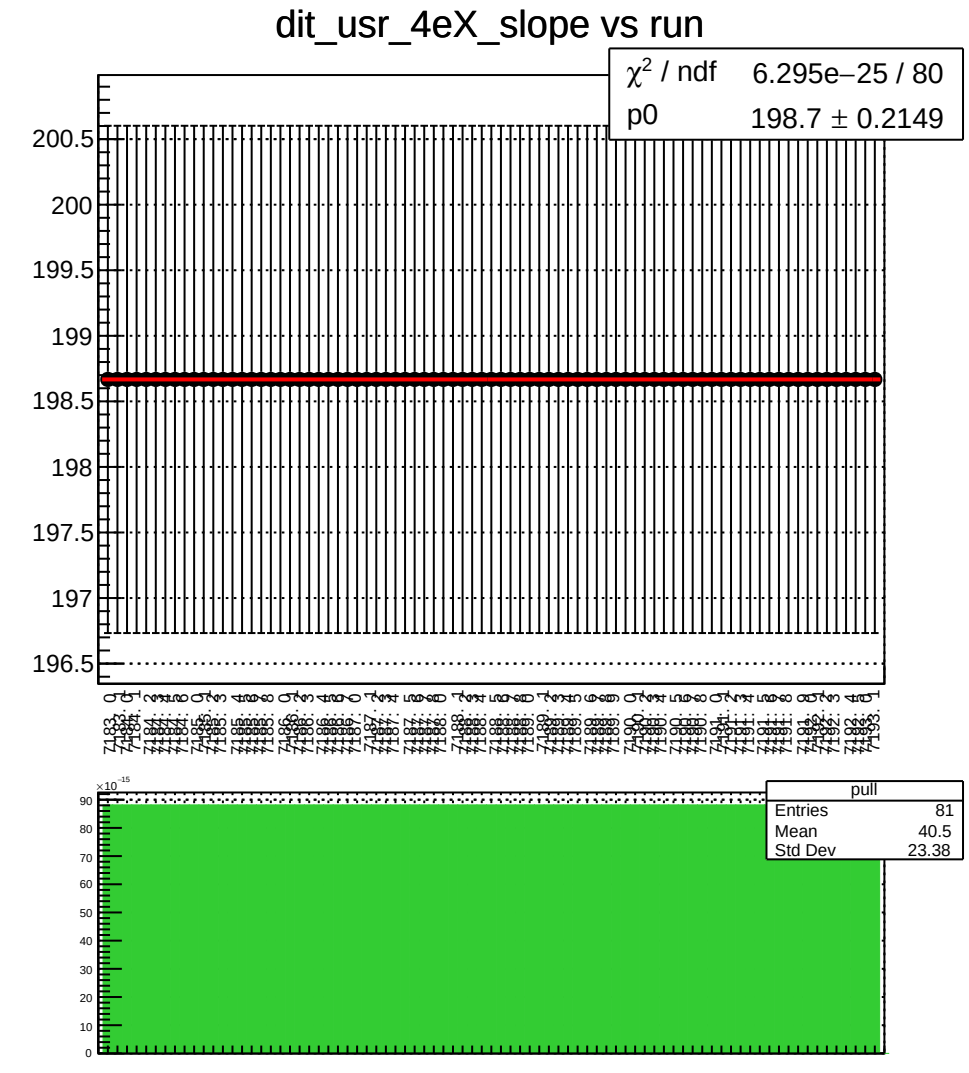

dit_usl_4aY_slope vs run
χ² / ndf 1.576e−28 / 80
p0 3.581 ± 0.03538
3.9
3.8
3.7
3.6
3.5
3.4
3.3
3.2
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull
Entries 81
Mean 40.5
Std Dev 23.38

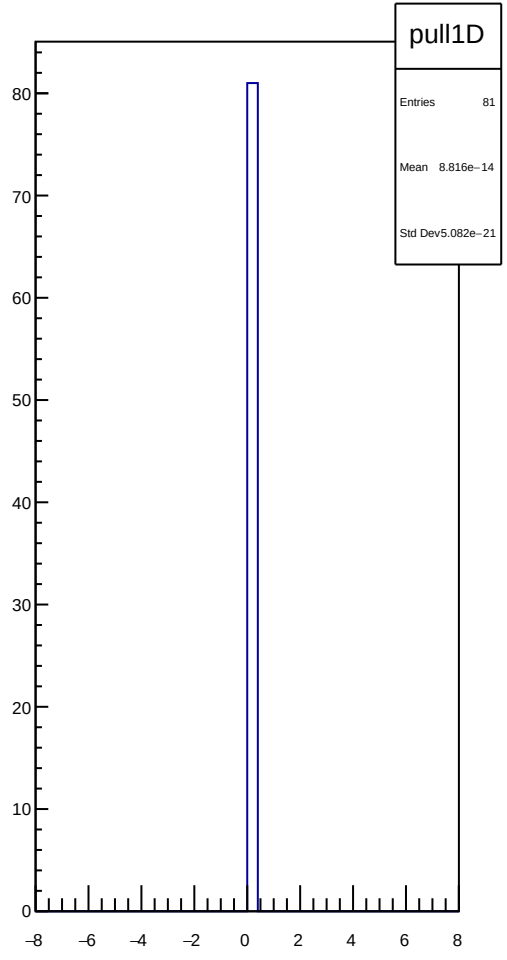

pull1D
Entries 81
Mean −1.395e−15
Std Dev 5.294e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

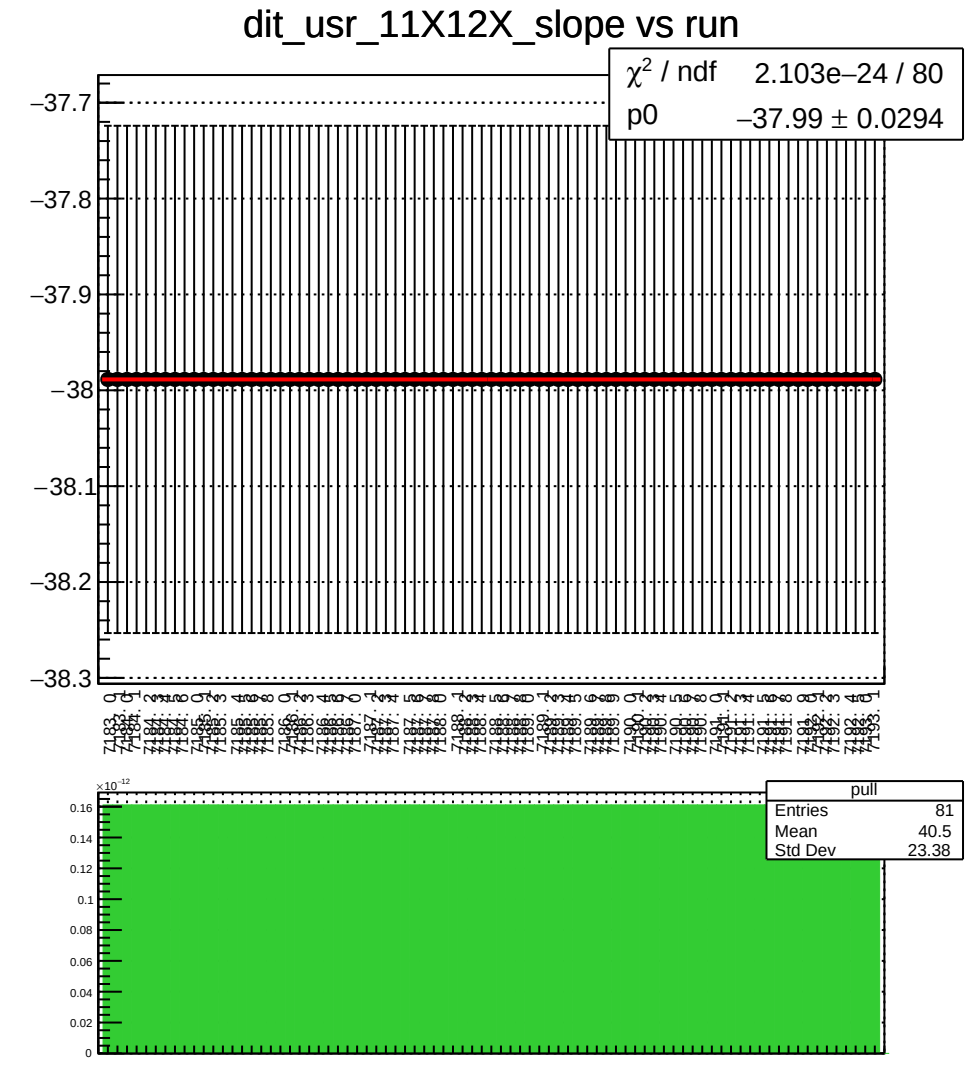

dit_usl_4eY_slope vs run
χ² / ndf 1.352e−25 / 80
p0 16.99 ± 0.03865
17.4
17.3
17.2
17.1
17
16.9
16.8
16.7
16.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 81
Mean 4.085e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

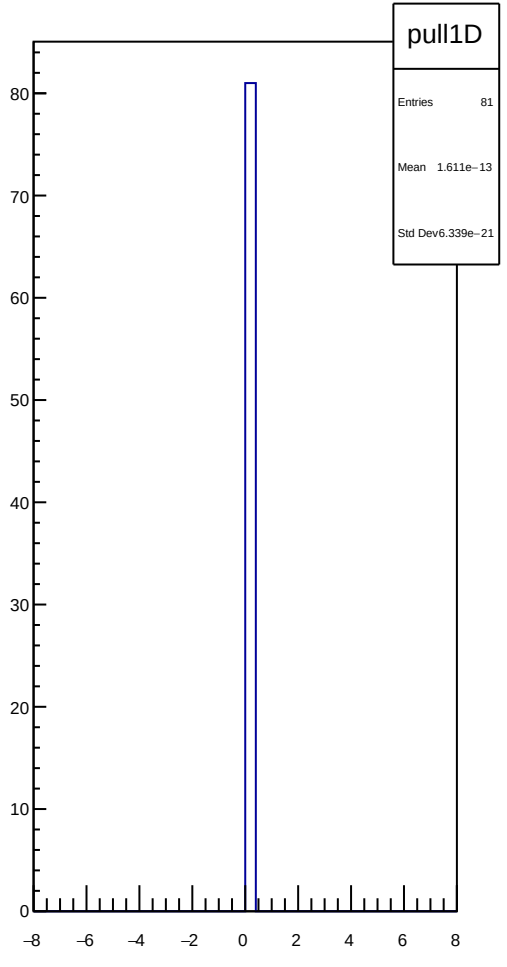

dit_usr_4aX_slope vs run
χ² / ndf 5.618e−26 / 80
p0 −140.3 ± 0.2398
−138
−139
−140
−141
−142
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
25
20
15
10
5
0

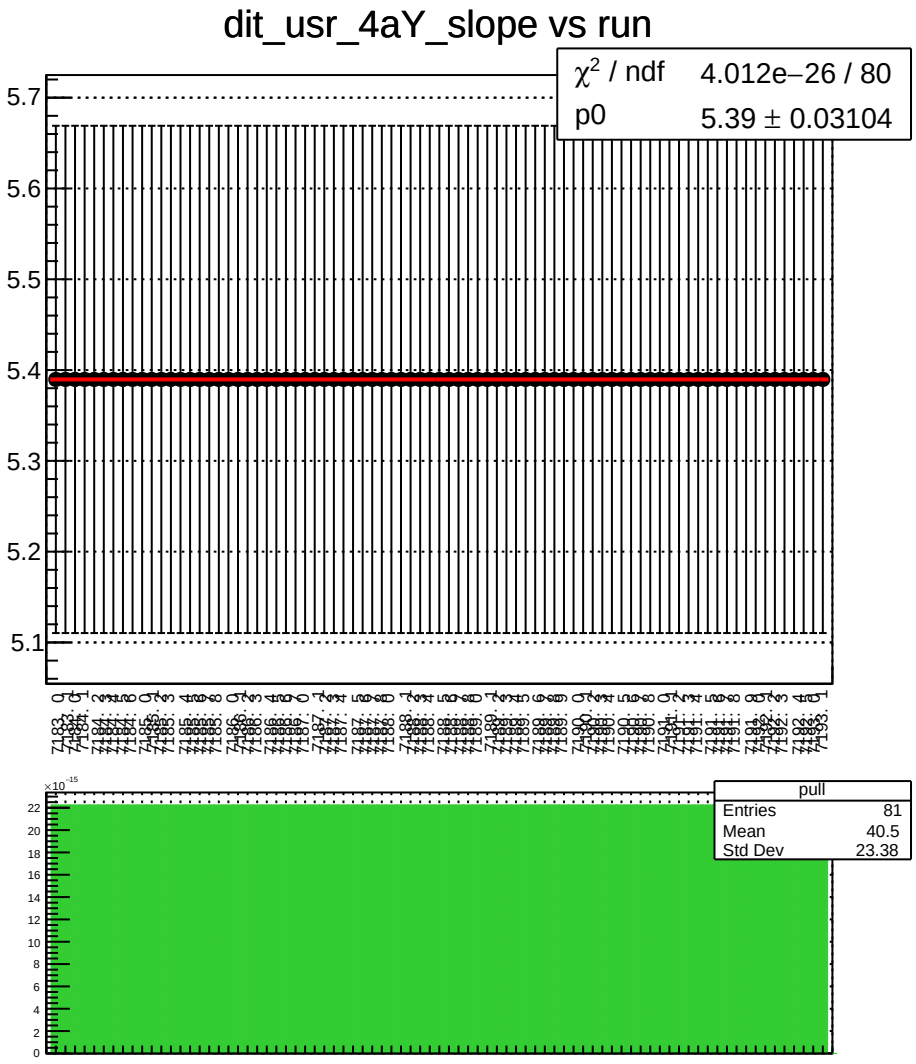

pull1D
Entries 81
Mean 2.634e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

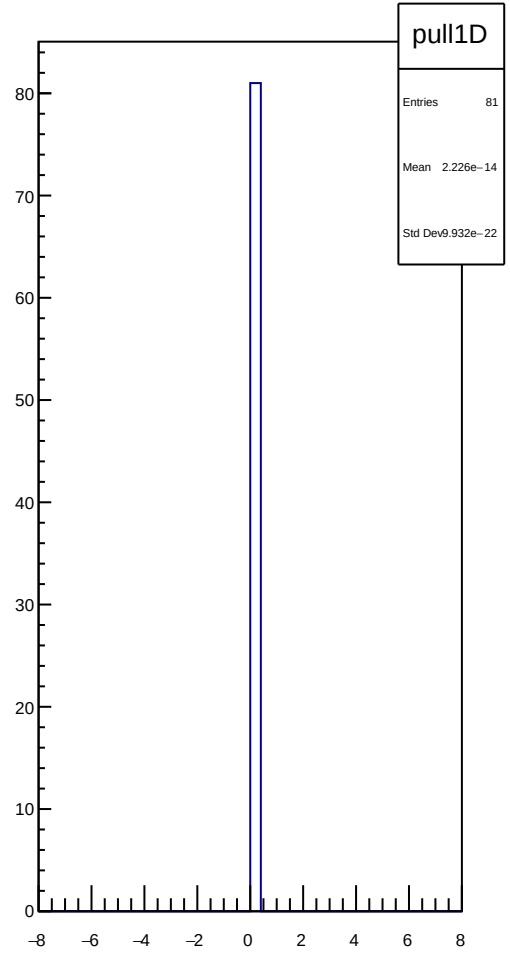

dit_usr_4eX_slope vs run
χ² / ndf 6.295e−25 / 80
p0 198.7 ± 0.2149
200.5
200
199.5
199
198.5
198
197.5
197
196.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

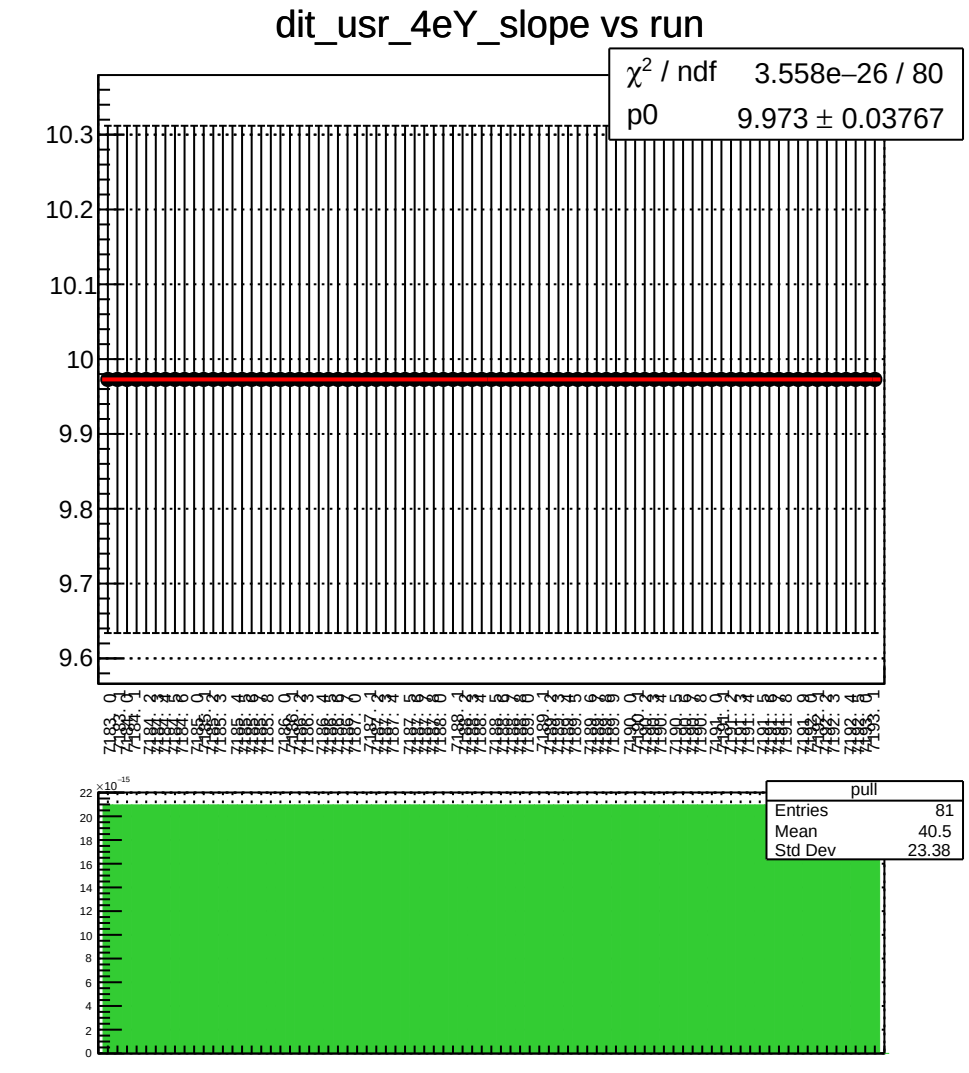

pull1D
Entries 81
Mean 8.816e−14
Std Dev5.082e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

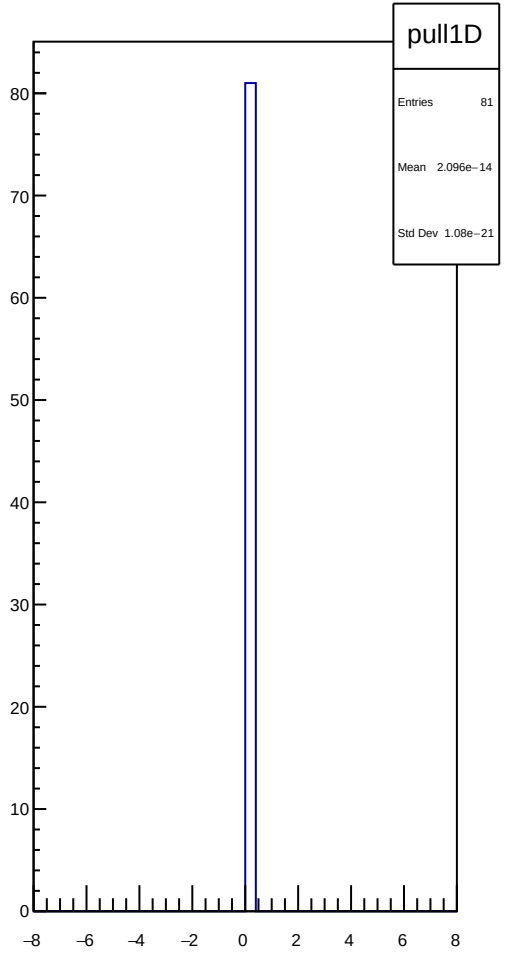

dit_usr_11X12X_slope vs run
χ² / ndf 2.103e−24 / 80
p0 −37.99 ± 0.0294
−37.7
−37.8
−37.9
−38
−38.1
−38.2
−38.3
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

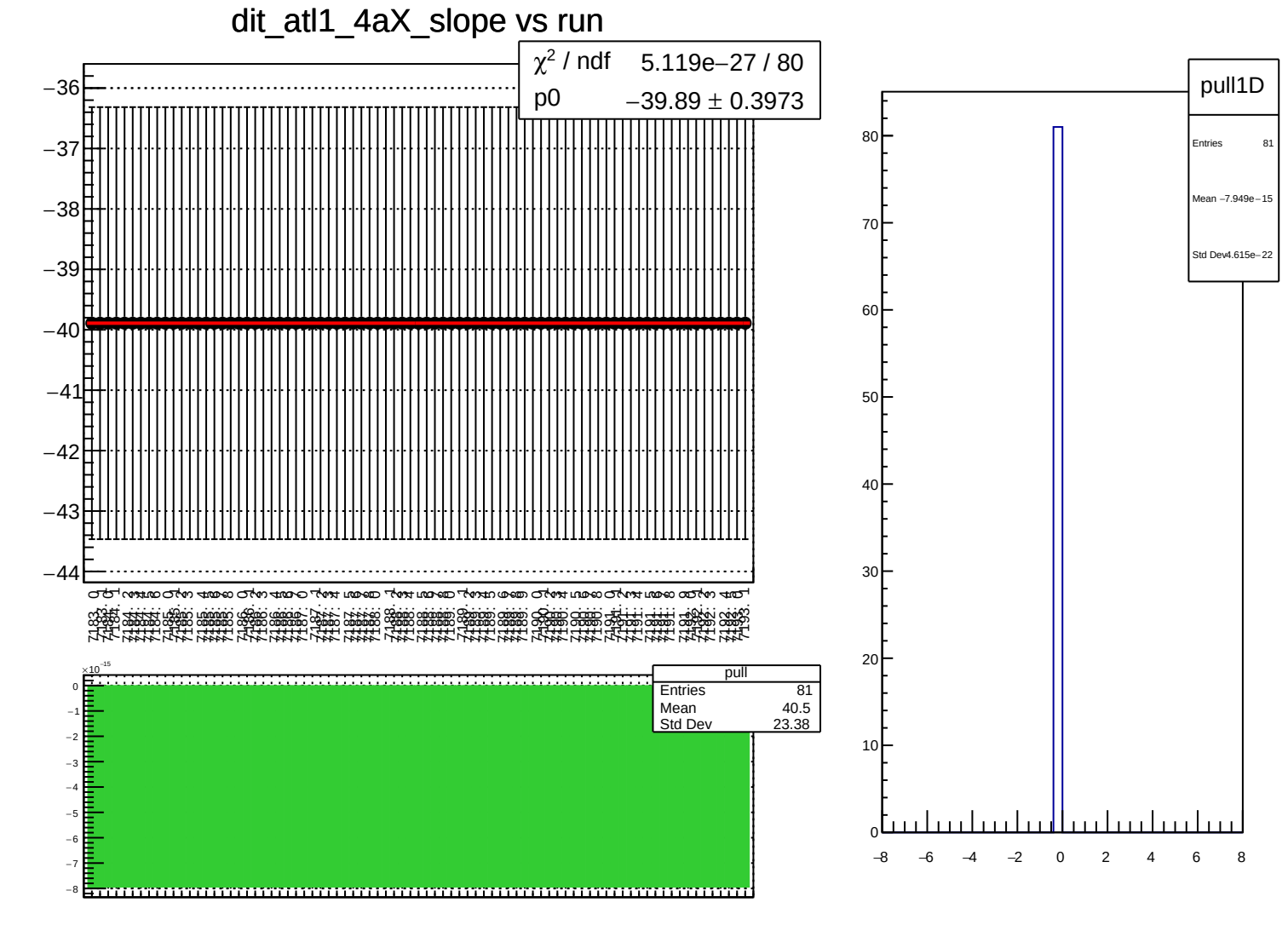

pull1D
Entries 81
Mean 1.611e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

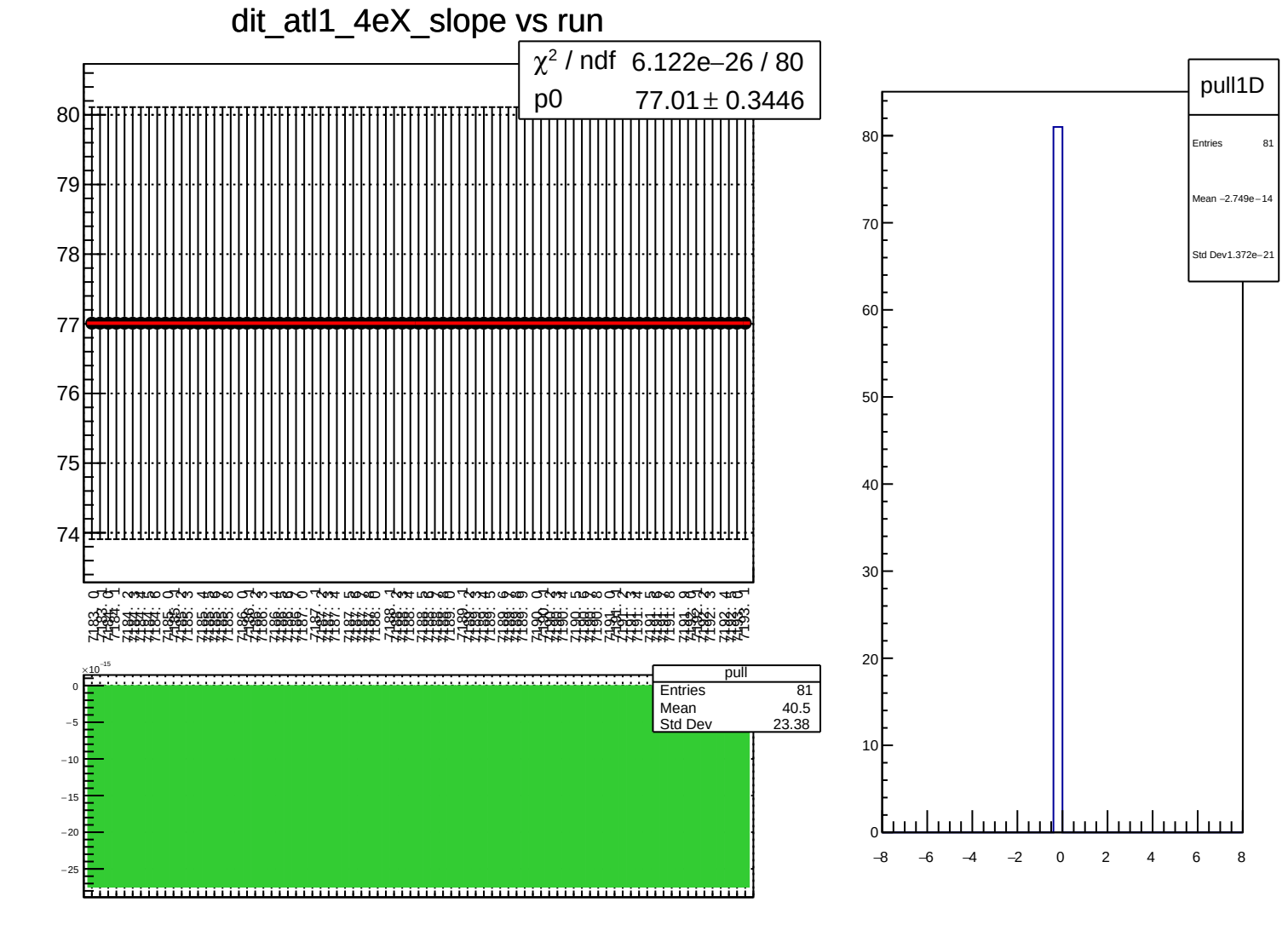

dit_usr_4aY_slope vs run
$\chi^2$ / ndf 4.012e−26 / 80
p0 5.39 ± 0.03104
pull
Entries 81
Mean 40.5
Std Dev 23.38

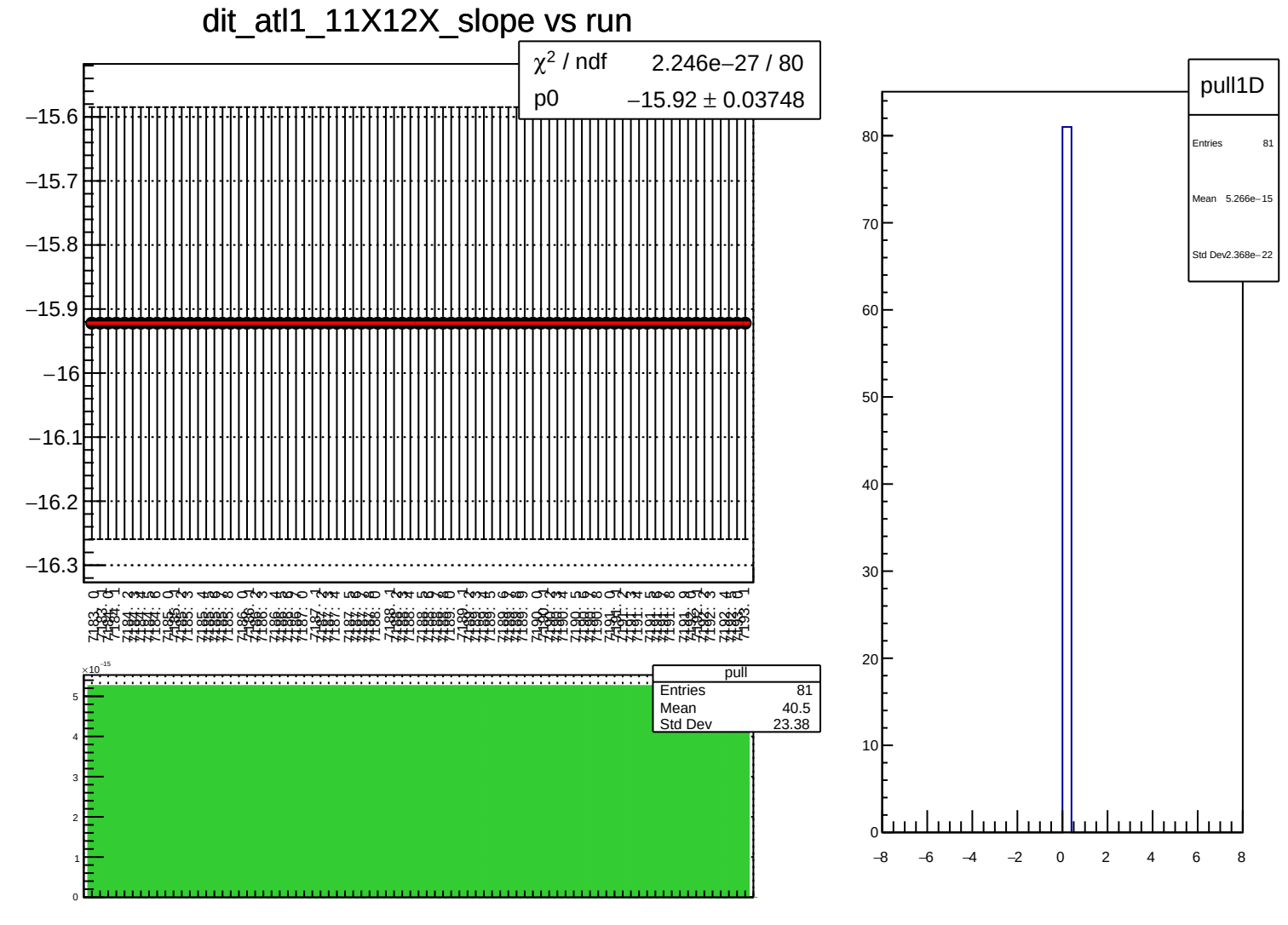

pull1D
Entries 81
Mean 2.226e−14
Std Dev 9.932e−22

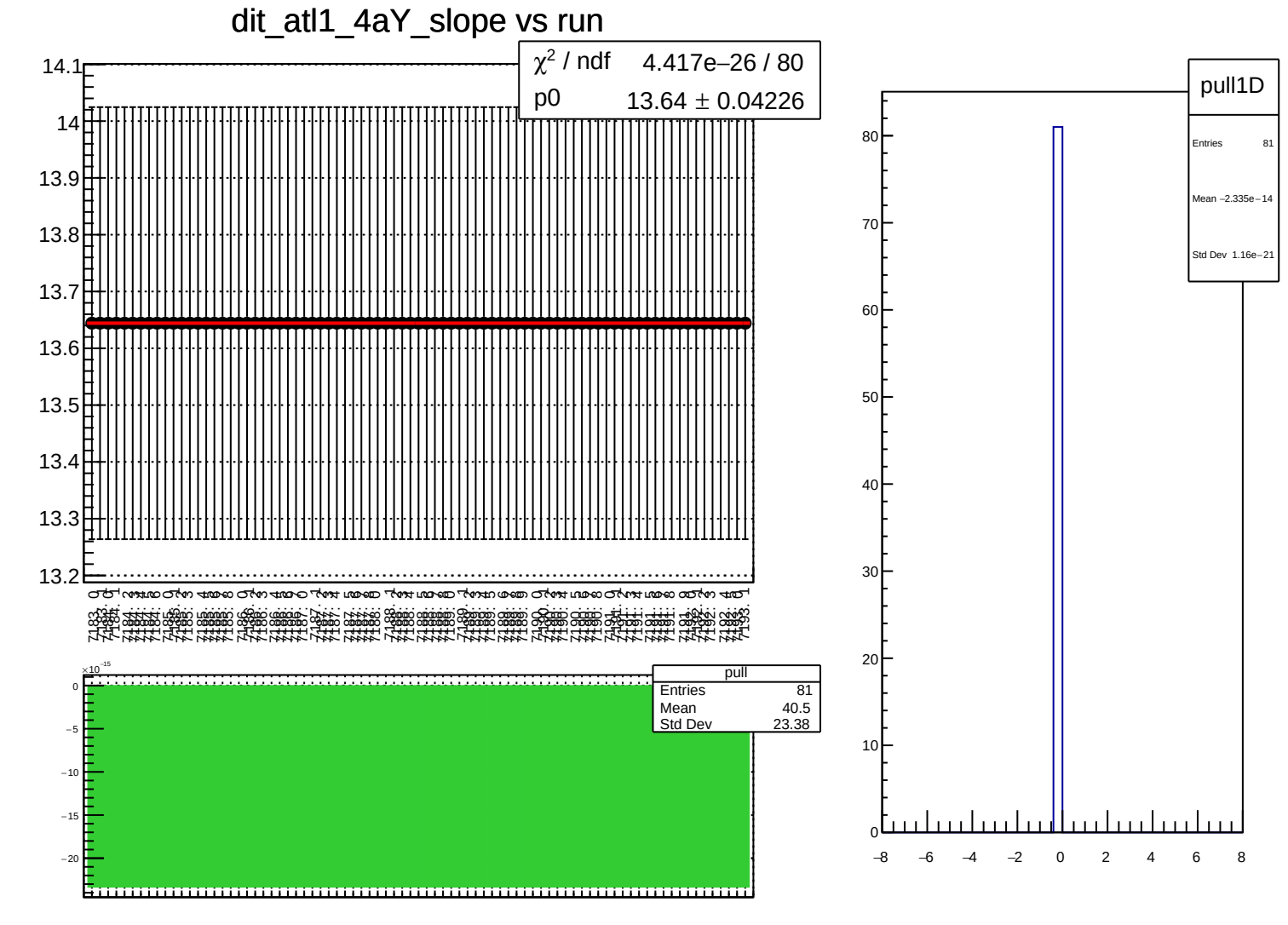

dit_usr_4eY_slope vs run
χ² / ndf 3.558e−26 / 80
p0 9.973 ± 0.03767
10.3
10.2
10.1
10
9.9
9.8
9.7
9.6
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 81
Mean 40.5
Std Dev 23.38

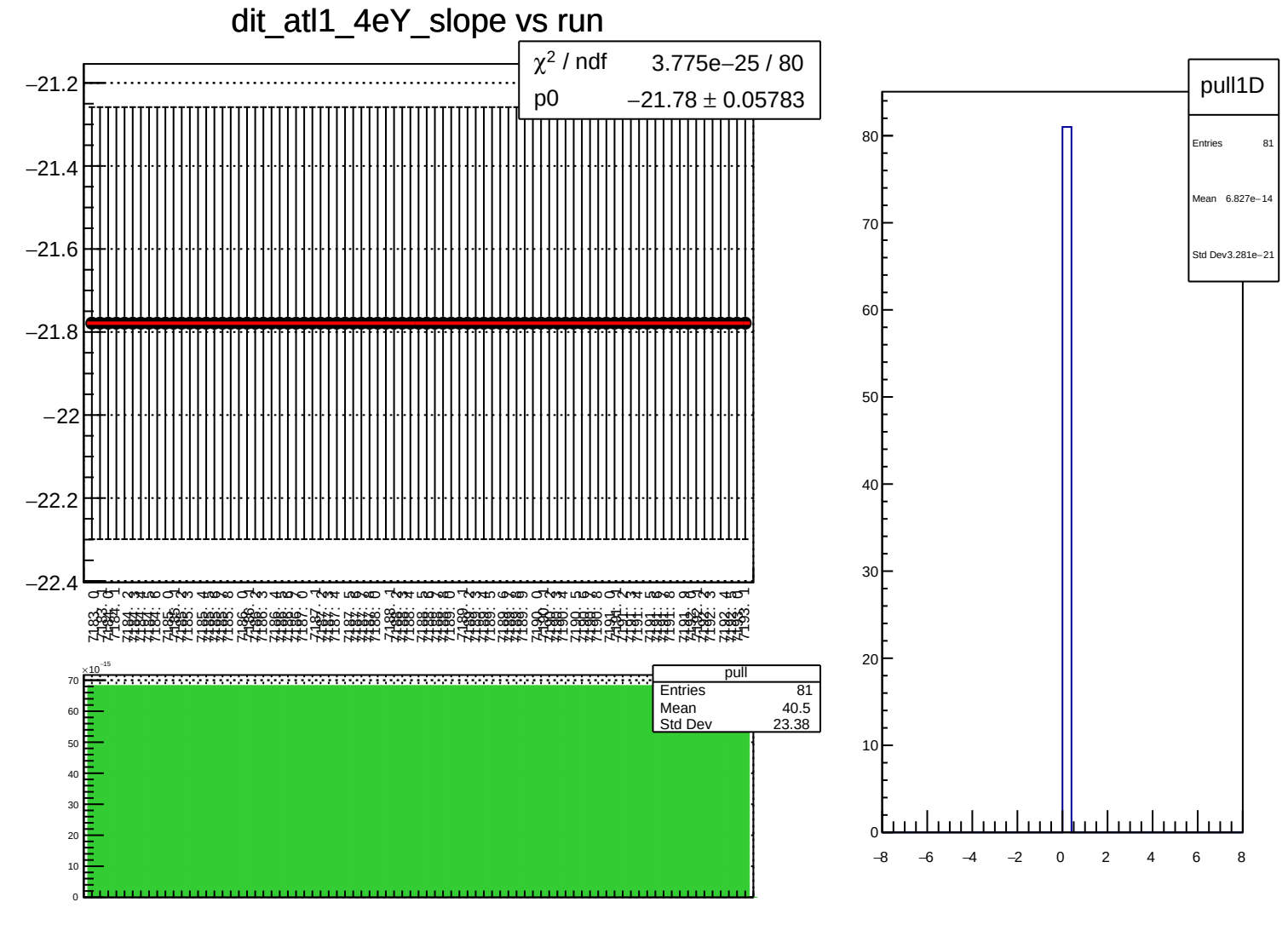

pull1D
Entries 81
Mean 2.096e−14
Std Dev 1.08e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

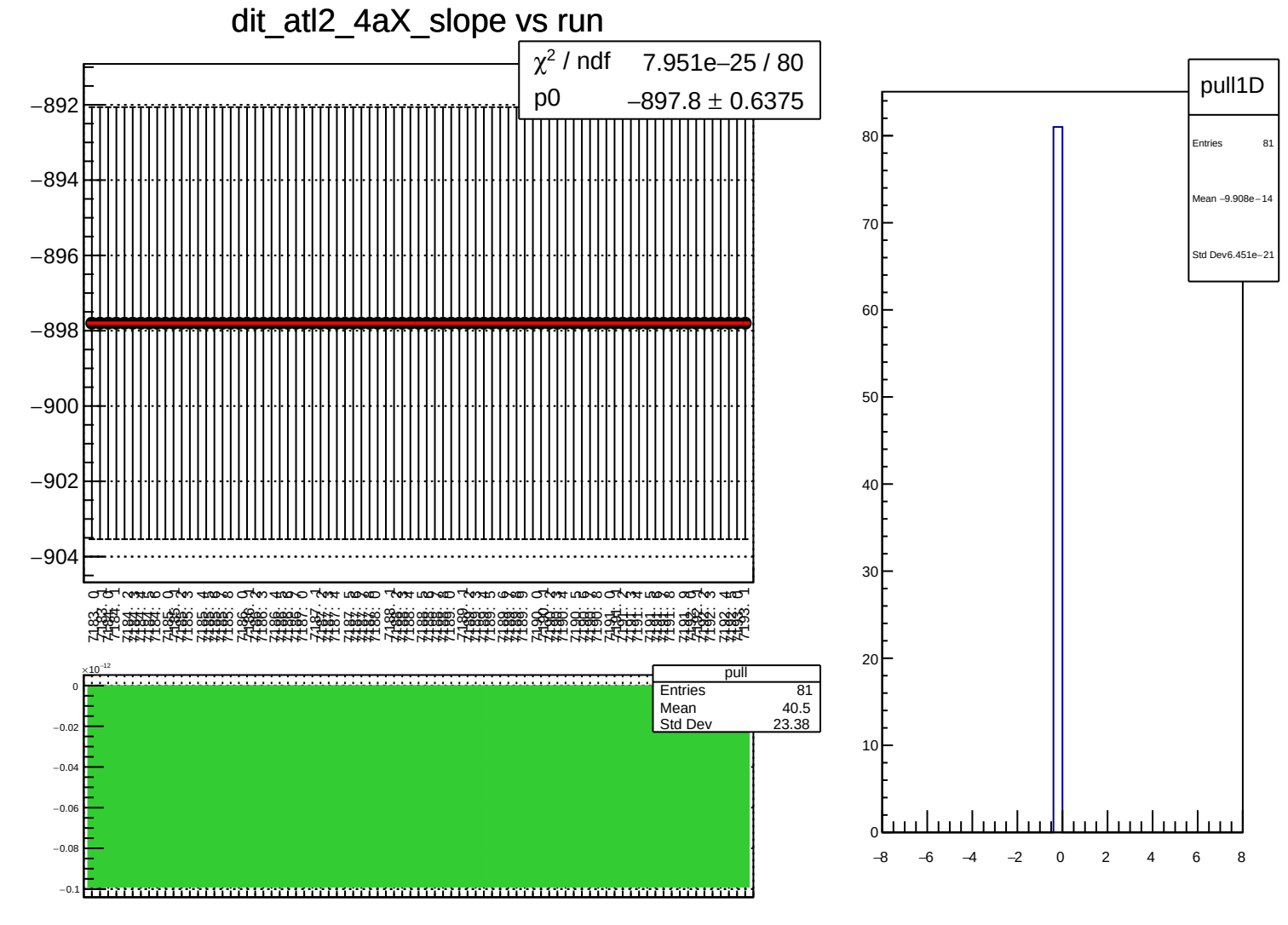

dit_atl1_4aX_slope vs run
χ² / ndf 5.119e−27 / 80
p0 −39.89 ± 0.3973
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −7.949e−15
Std Dev4.615e−22

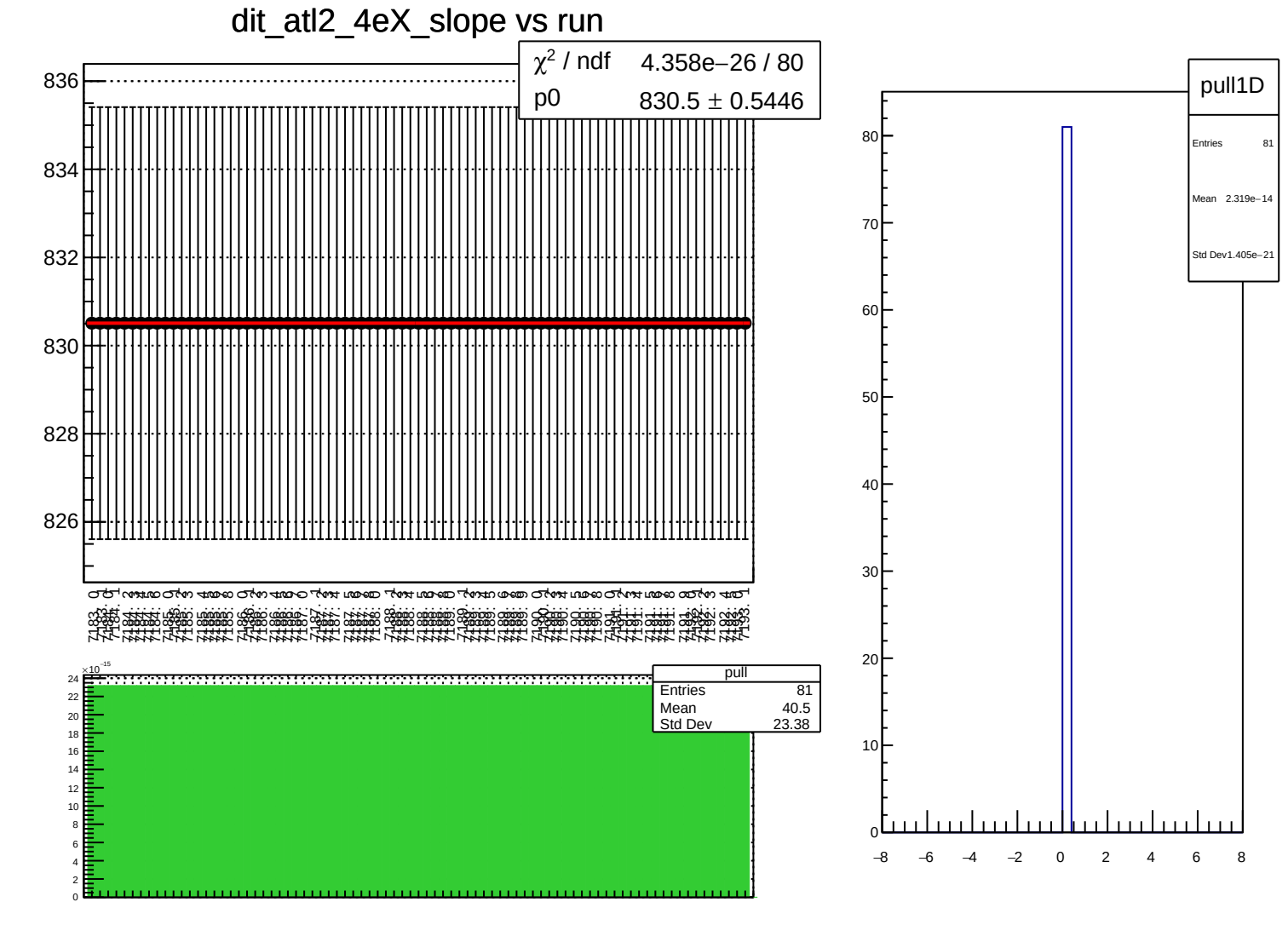

dit_atl1_4eX_slope vs run
χ² / ndf 6.122e−26 / 80
p0 77.01 ± 0.3446
80
79
78
77
76
75
74
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 81
Mean −2.749e−14
Std Dev1.372e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

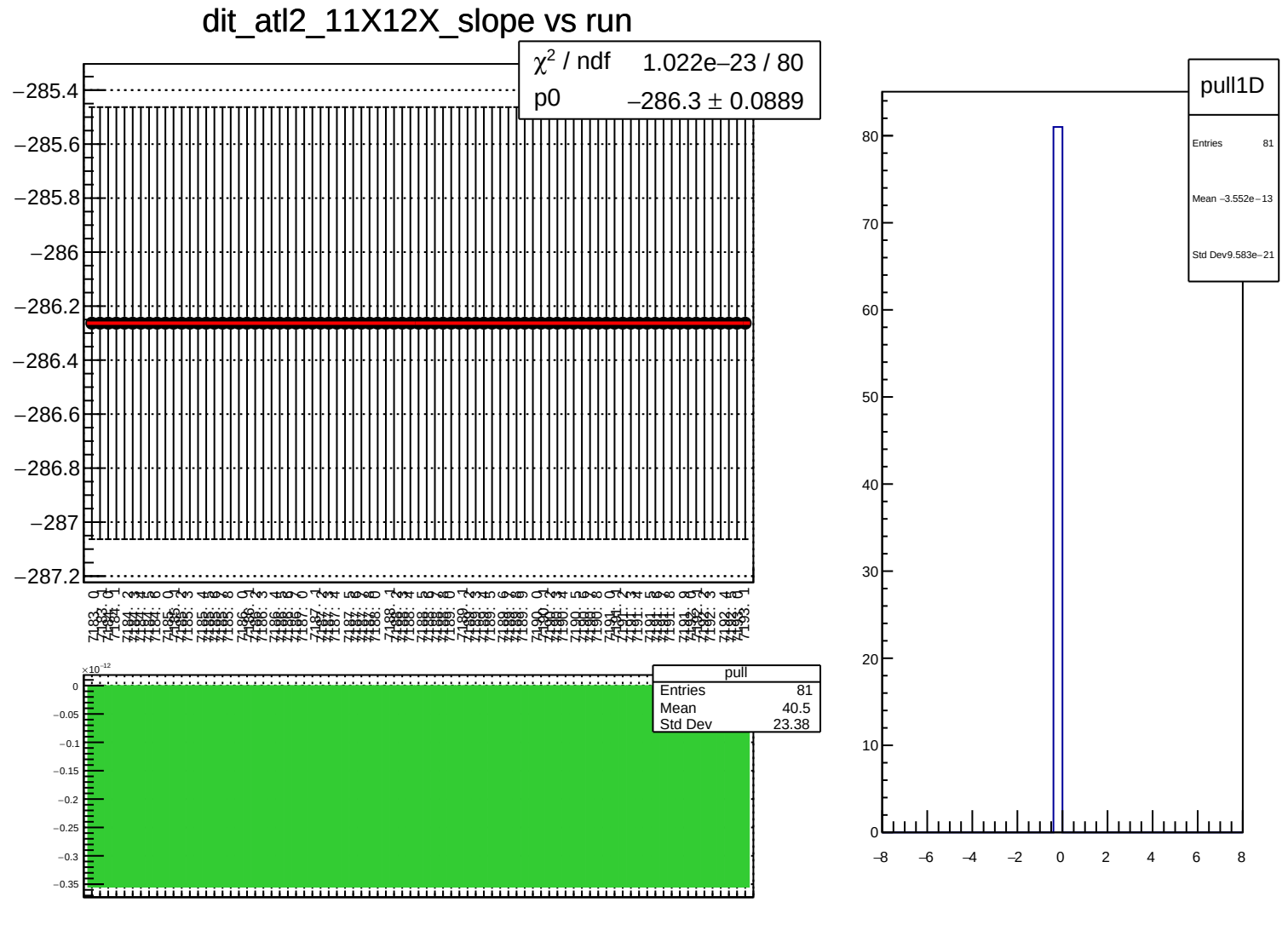

dit_atl1_11X12X_slope vs run
χ² / ndf 2.246e−27 / 80
p0 −15.92 ± 0.03748
−15.6
−15.7
−15.8
−15.9
−16
−16.1
−16.2
−16.3
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 5.266e−15
Std Dev 2.368e−22

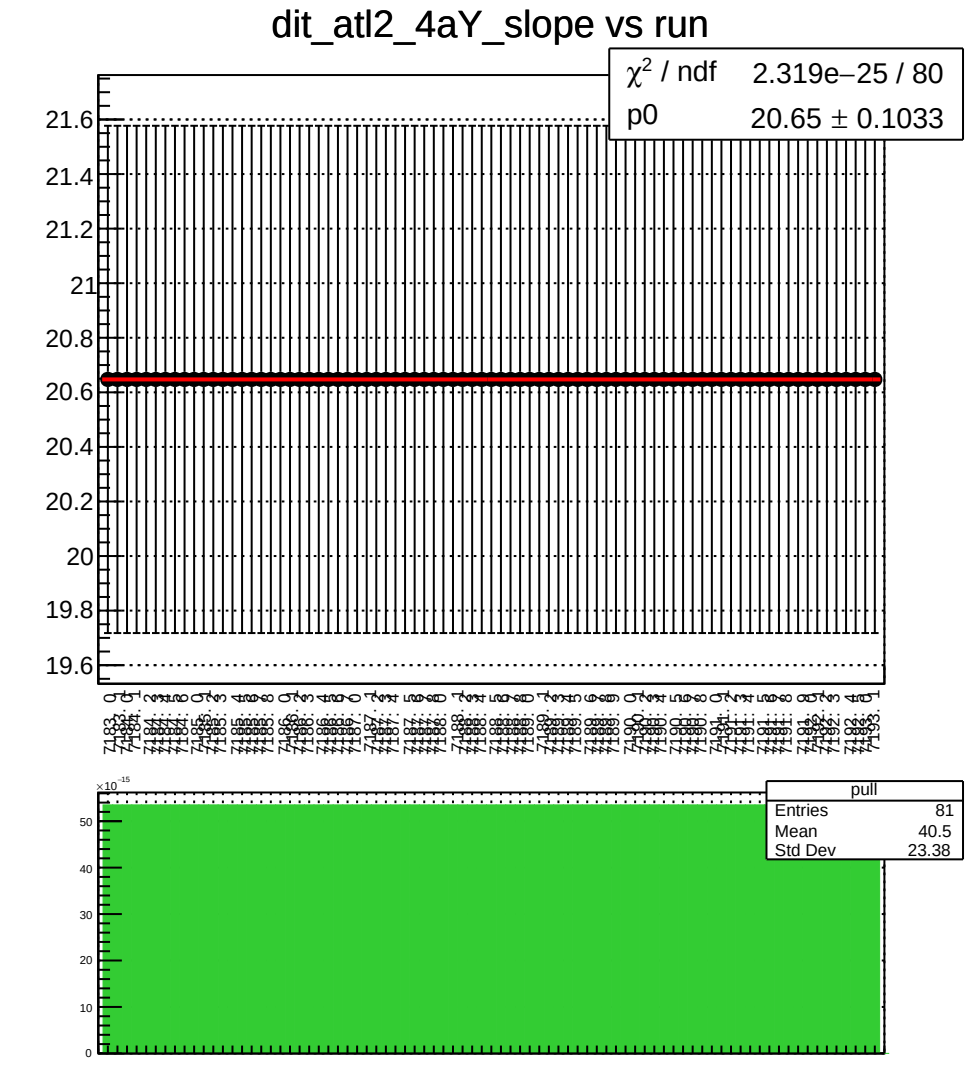

dit_atl1_4aY_slope vs run
χ² / ndf 4.417e−26 / 80
p0 13.64 ± 0.04226
14.1
14
13.9
13.8
13.7
13.6
13.5
13.4
13.3
13.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 81
Mean −2.335e−14
Std Dev 1.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

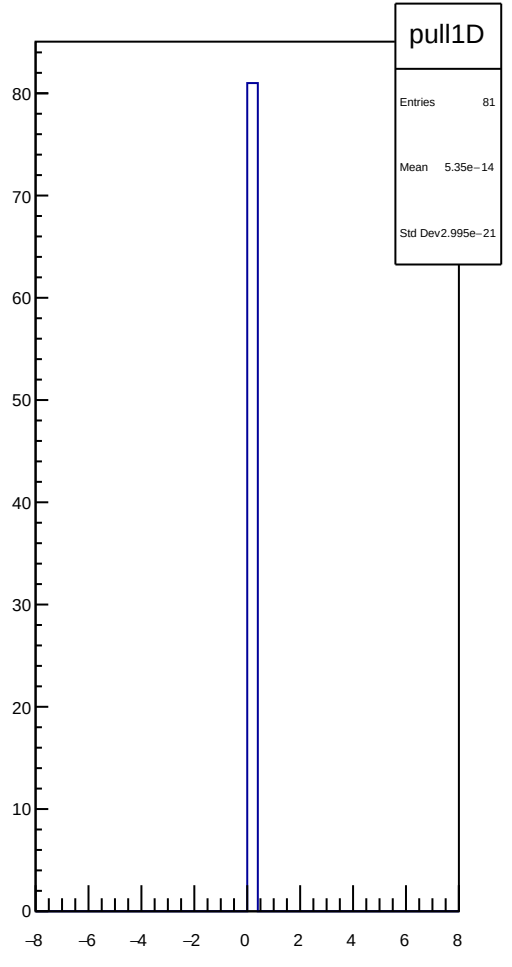

dit_atl1_4eY_slope vs run
χ² / ndf 3.775e−25 / 80
p0 −21.78 ± 0.05783
−21.2
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 6.827e−14
Std Dev3.281e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

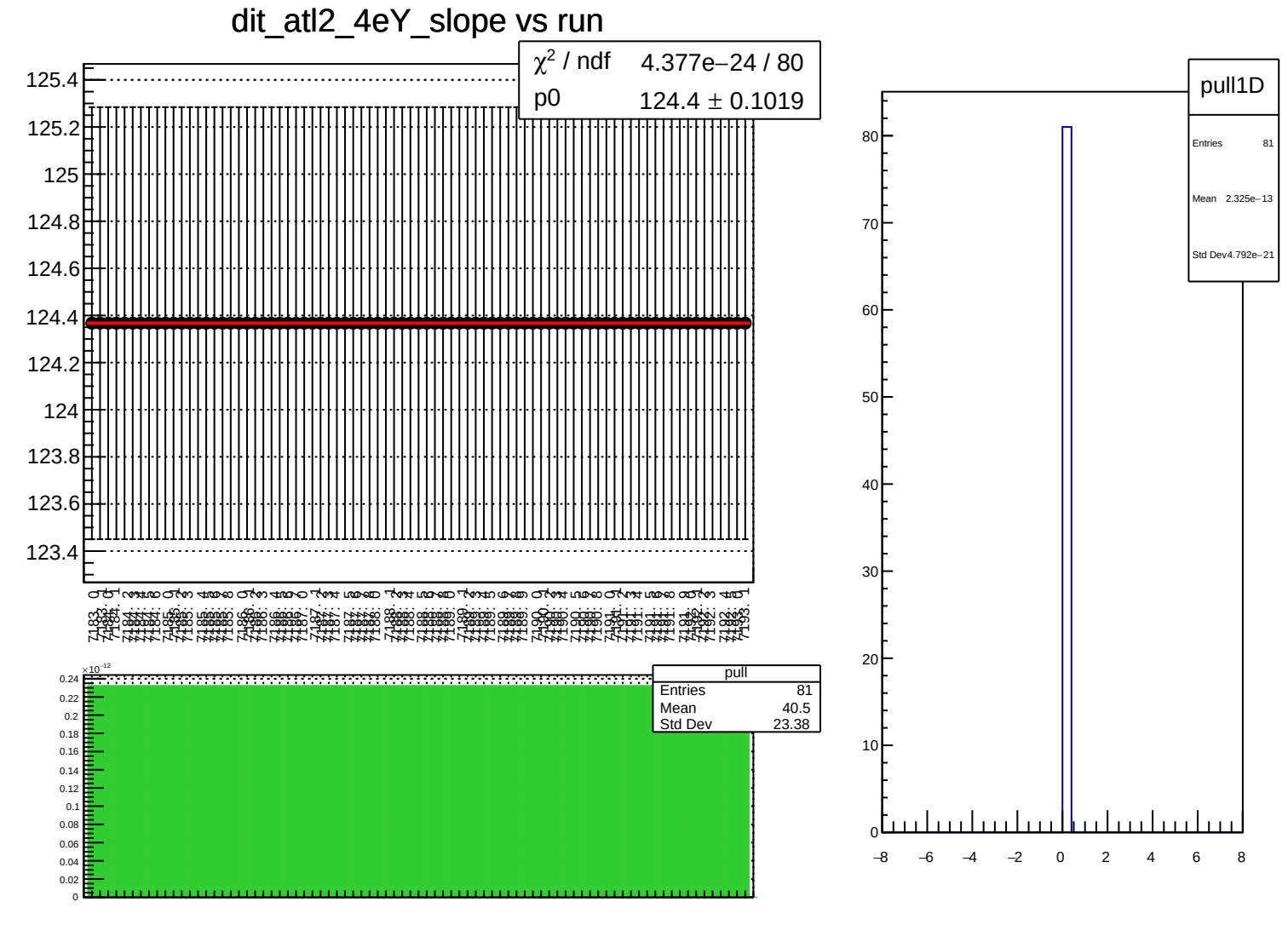

dit_atl2_4aX_slope vs run
$\chi^2$ / ndf 7.951e−25 / 80
p0 −897.8 ± 0.6375
−892
−894
−896
−898
−900
−902
−904
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 81
Mean −9.908e−14
Std Dev6.451e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

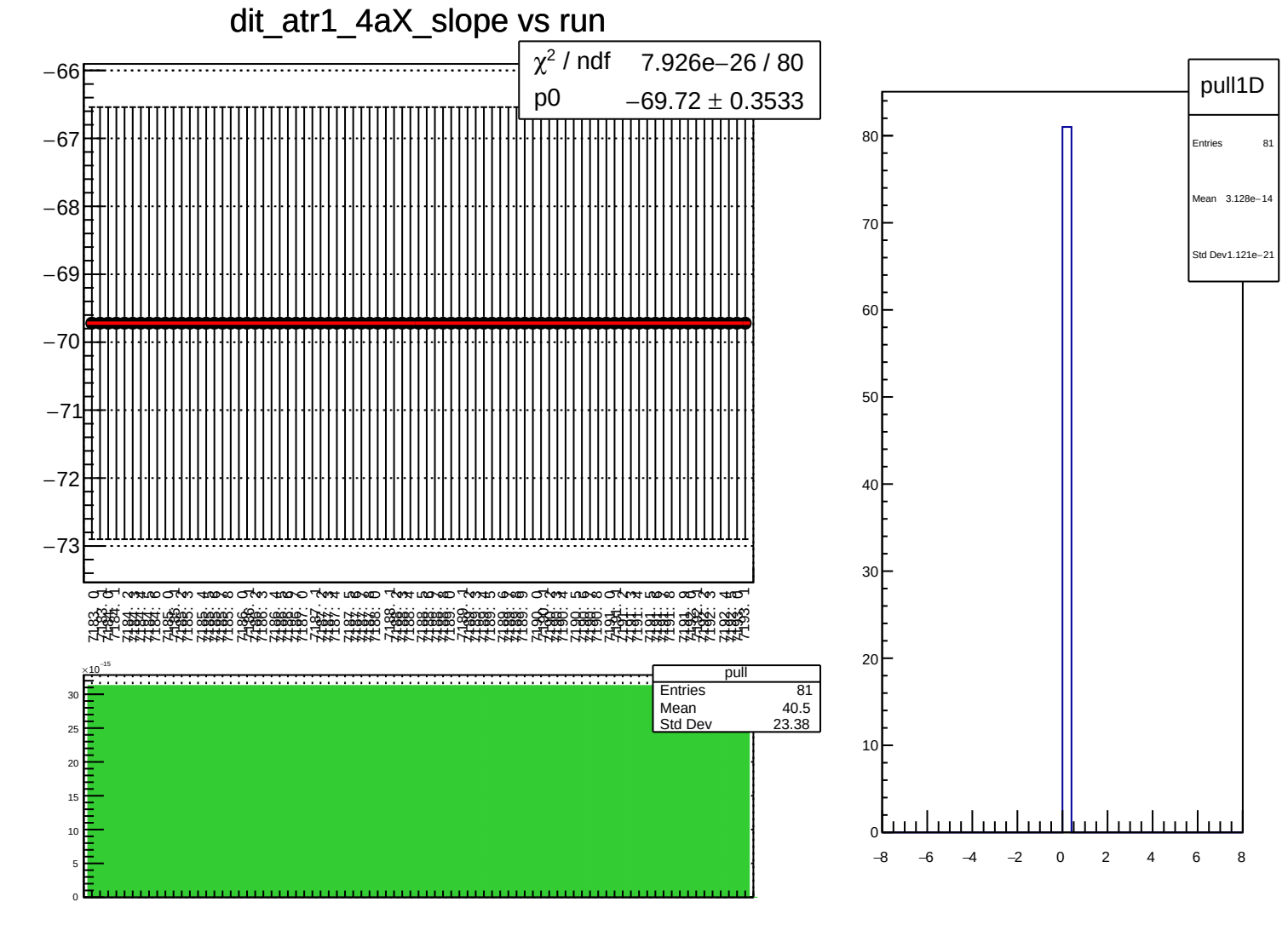

dit_atl2_4eX_slope vs run
χ² / ndf 4.358e−26 / 80
p0 830.5 ± 0.5446
836
834
832
830
828
826
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 81
Mean 2.319e−14
Std Dev1.405e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

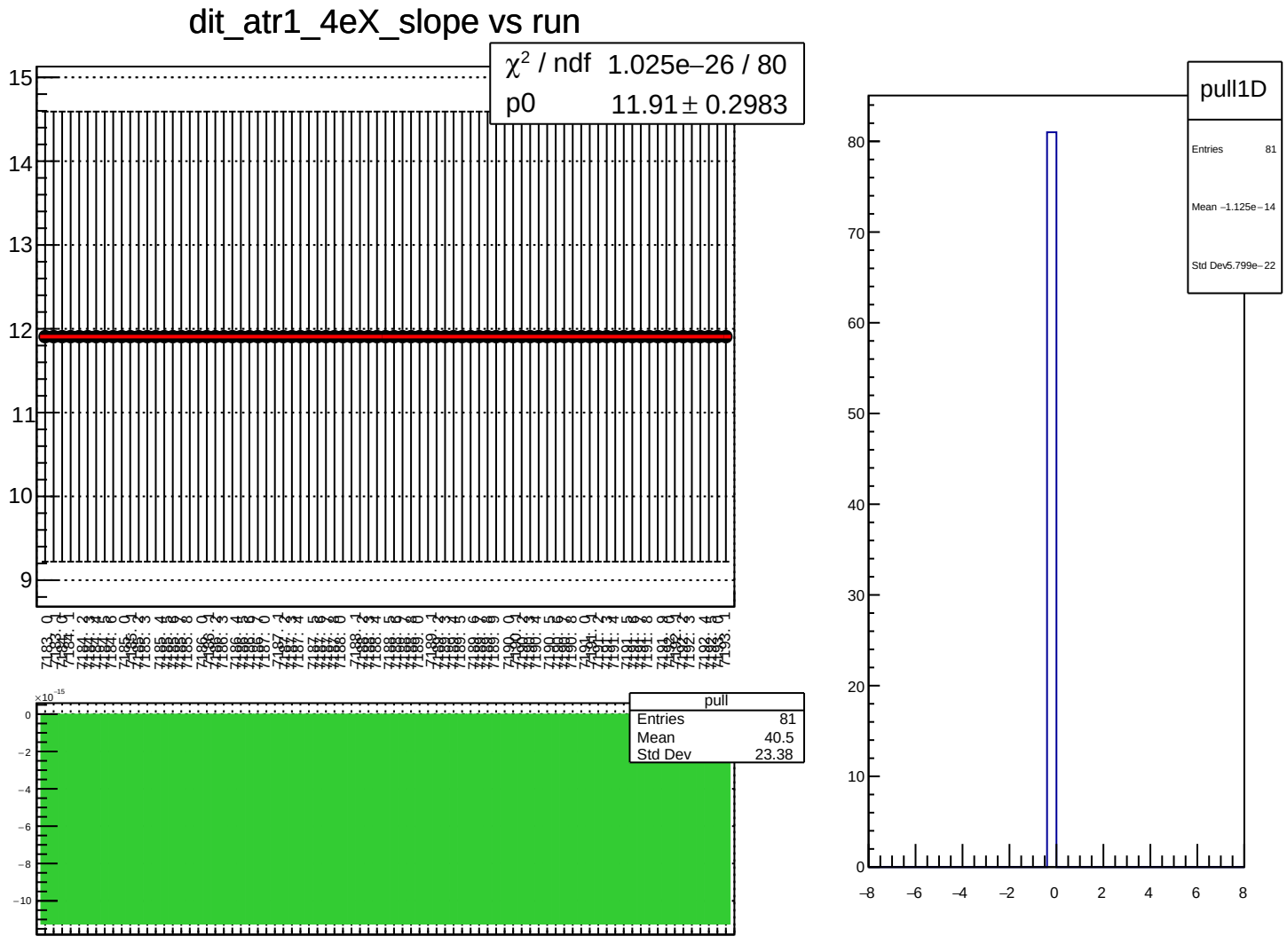

dit_atl2_11X12X_slope vs run
$\chi^2$ / ndf 1.022e−23 / 80
p0 −286.3 ± 0.0889
−285.4
−285.6
−285.8
−286
−286.2
−286.4
−286.6
−286.8
−287
−287.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 81
Mean −3.552e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

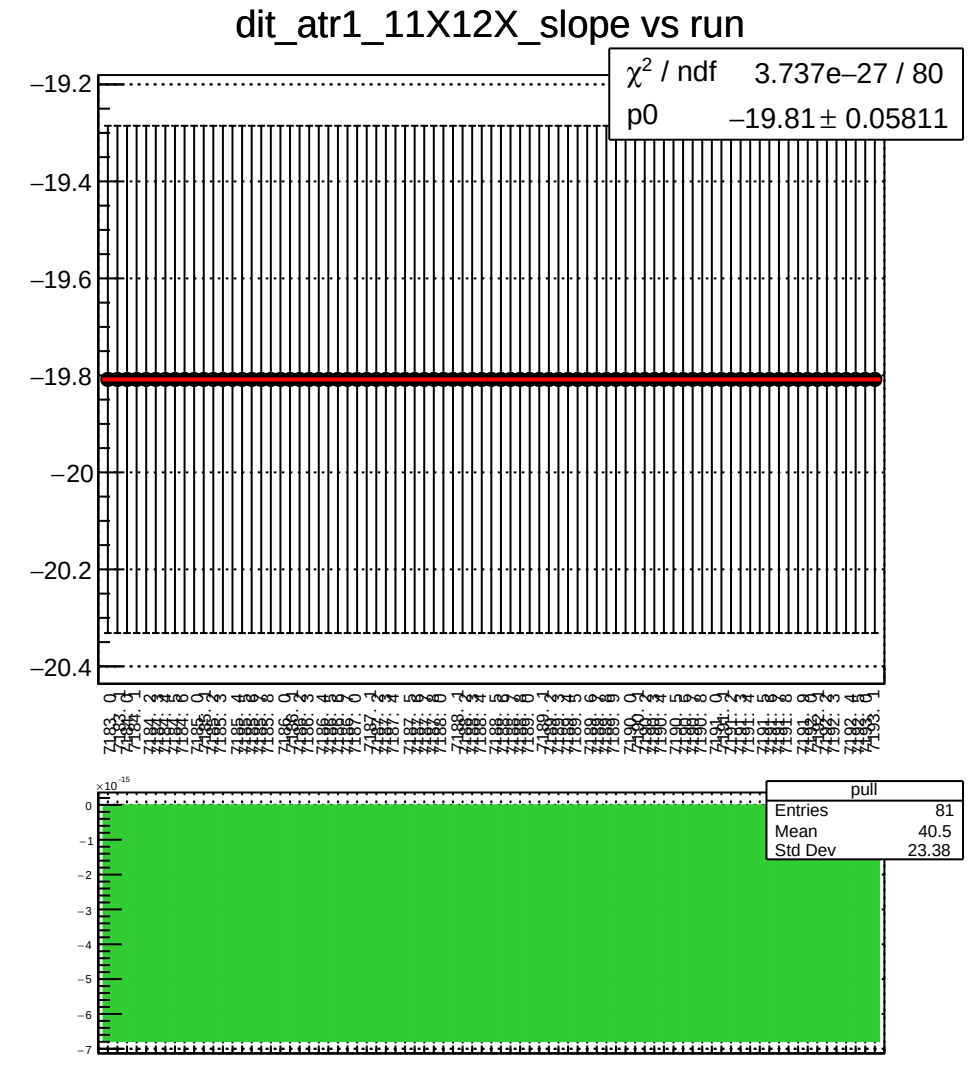

dit_atl2_4aY_slope vs run
χ² / ndf 2.319e−25 / 80
p0 20.65 ± 0.1033
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2
20
19.8
19.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
50
40
30
20
10
0

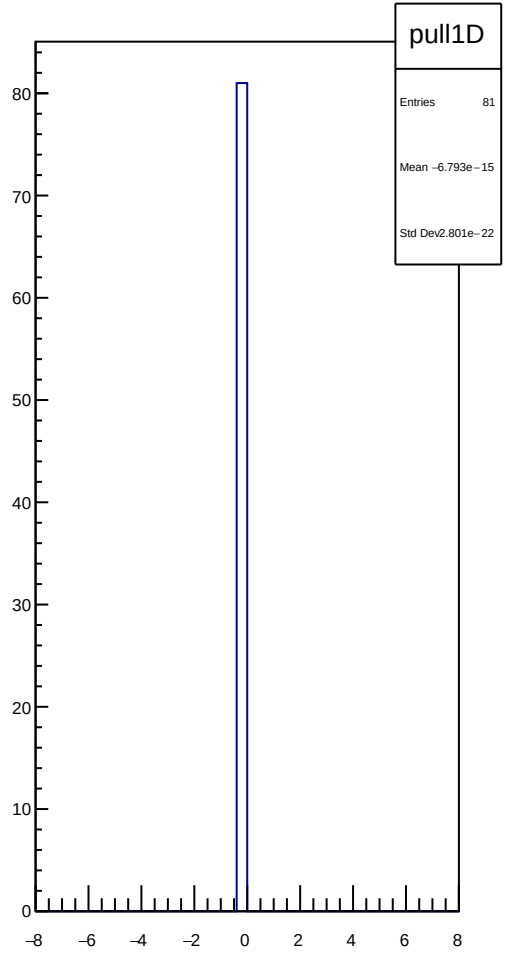

pull1D
Entries 81
Mean 5.35e−14
Std Dev 2.995e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

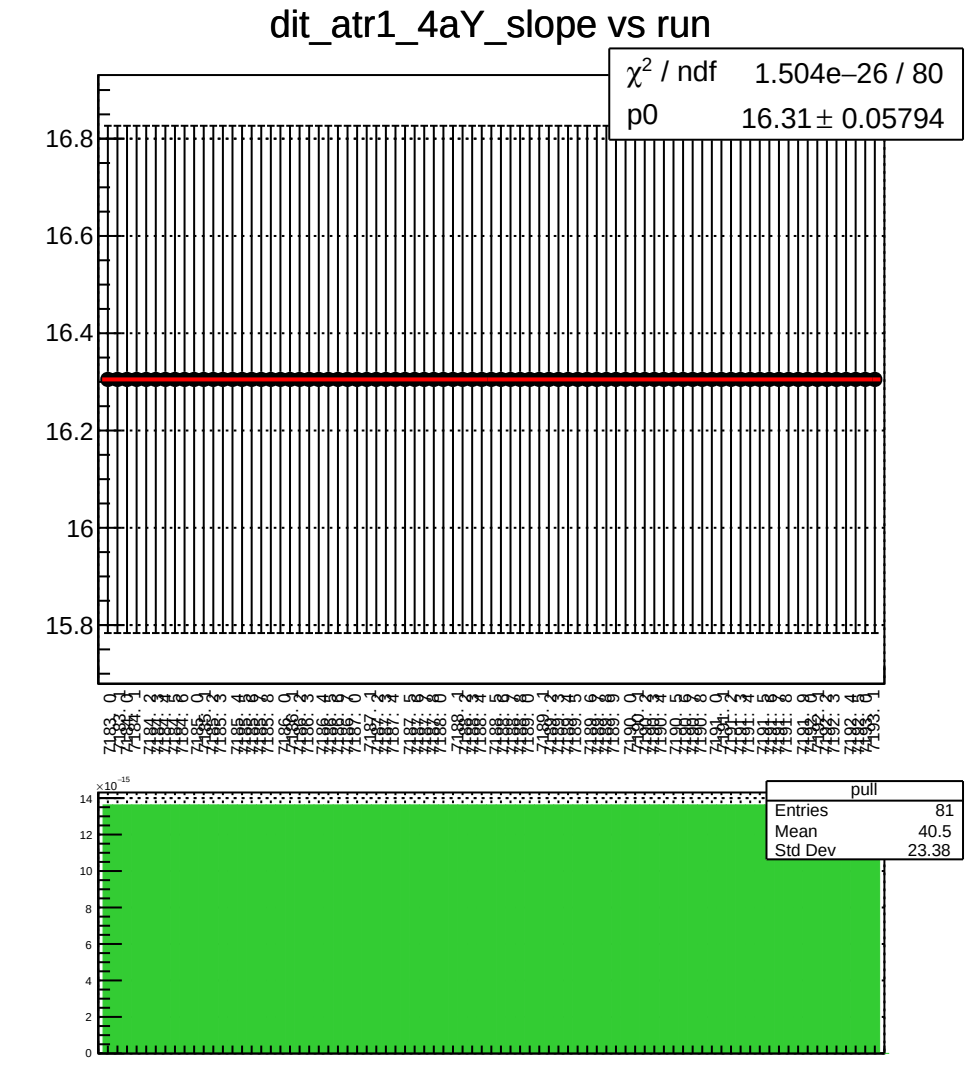

dit_atl2_4eY_slope vs run
χ² / ndf 4.377e−24 / 80
p0 124.4 ± 0.1019
125.4
125.2
125
124.8
124.6
124.4
124.2
124
123.8
123.6
123.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 2.325e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

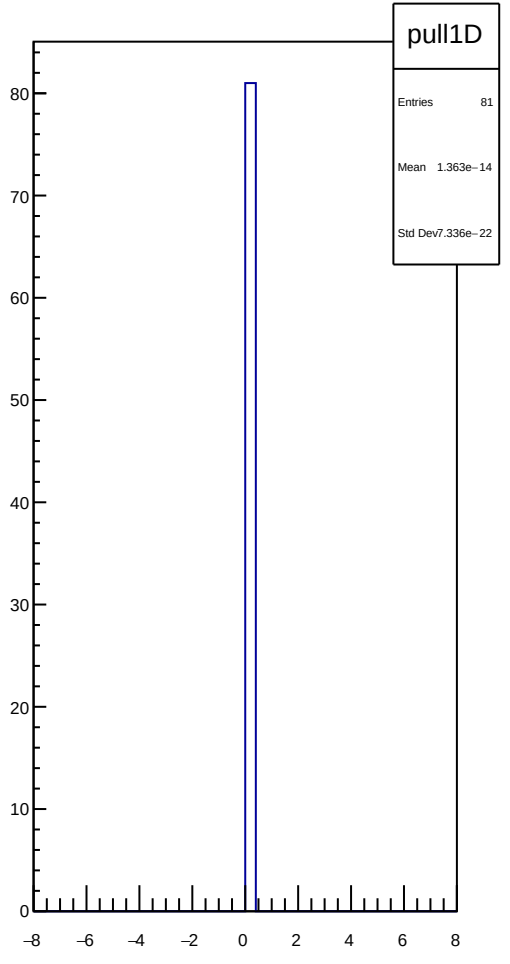

dit_atr1_4aX_slope vs run
χ² / ndf 7.926e−26 / 80
p0 −69.72 ± 0.3533
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 3.128e−14
Std Dev1.121e−21

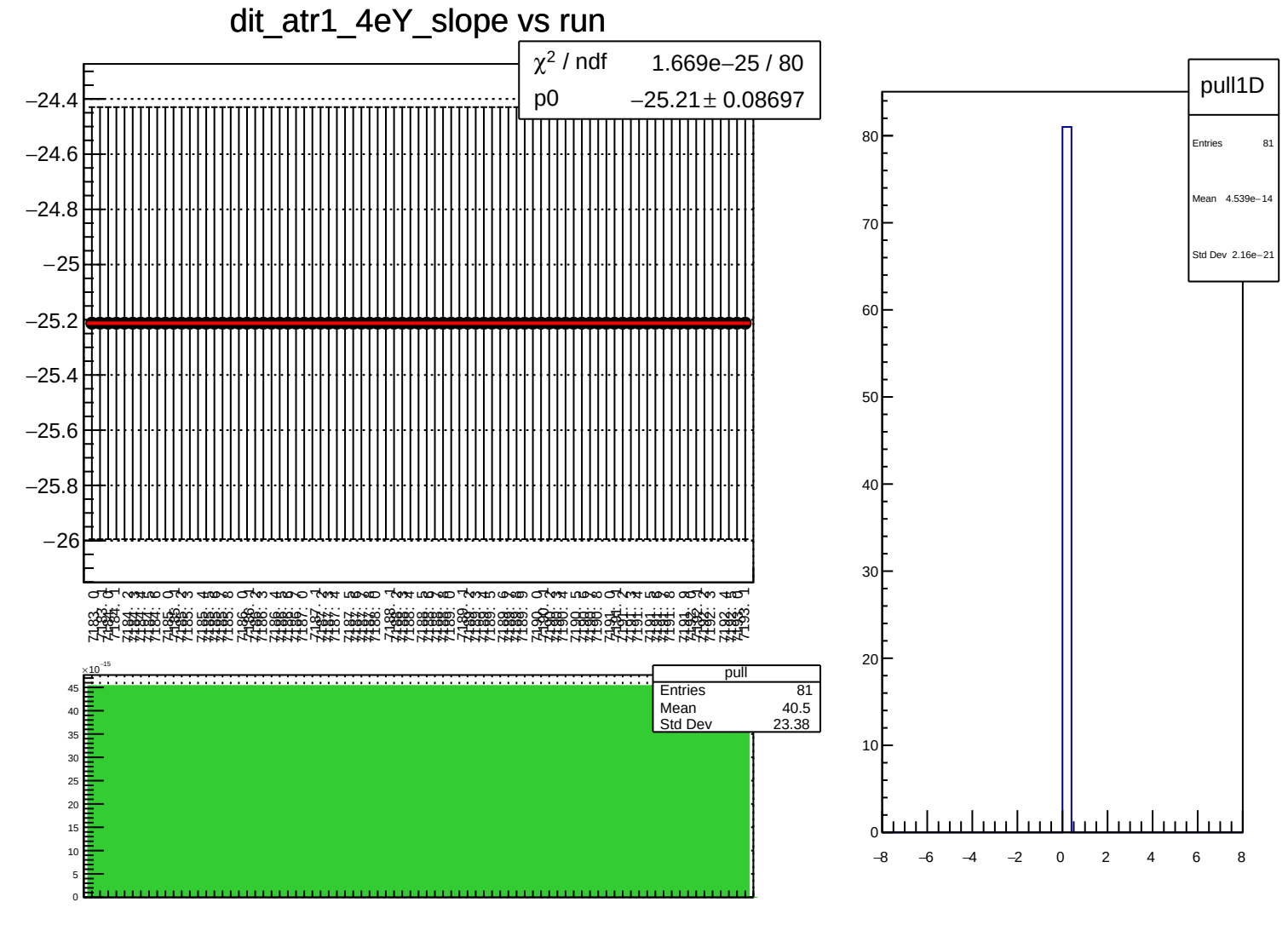

dit_atr1_4eX_slope vs run
χ² / ndf 1.025e−26 / 80
p0 11.91 ± 0.2983
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.125e−14
Std Dev 5.799e−22

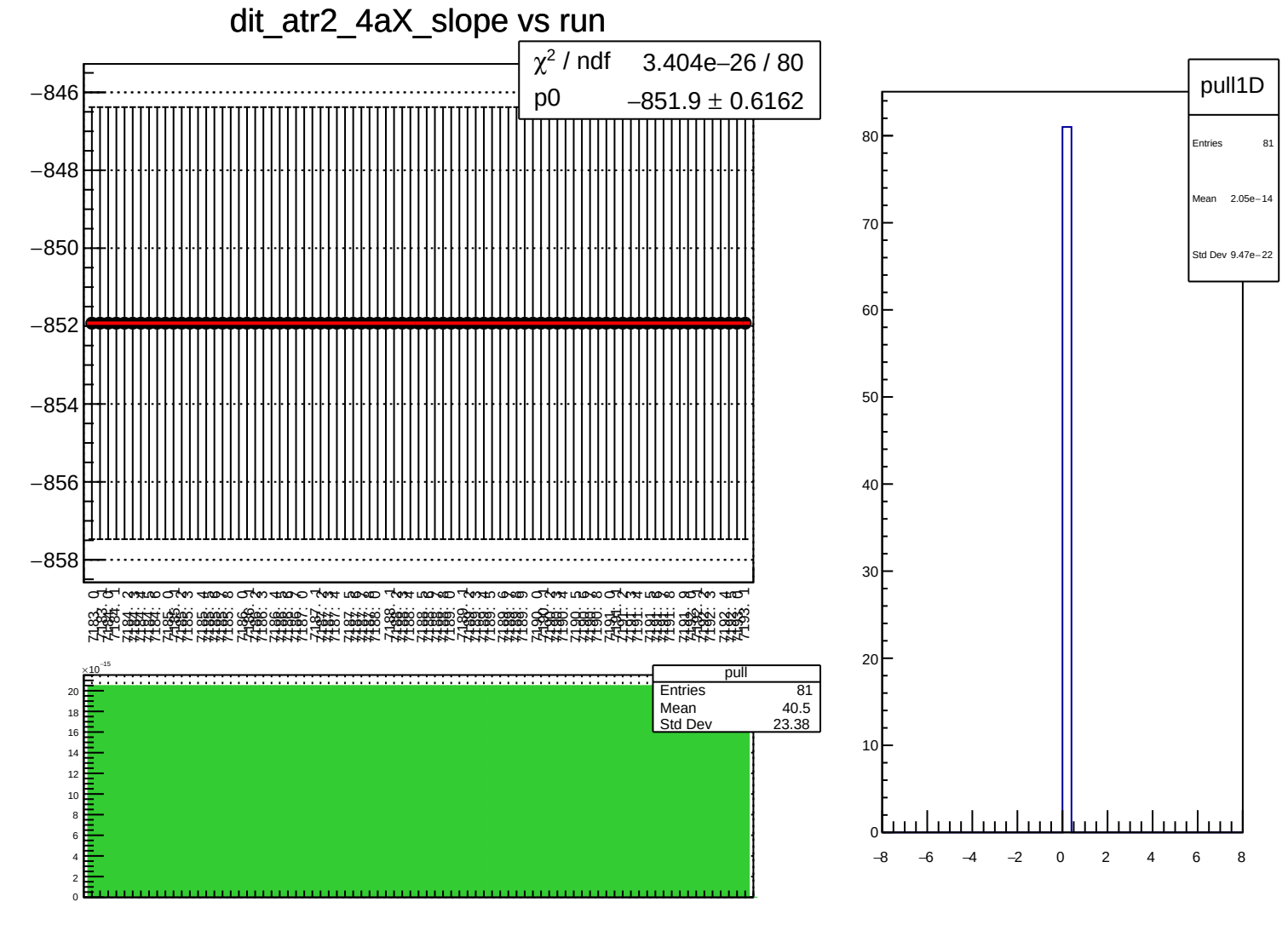

dit_atr1_11X12X_slope vs run
χ² / ndf 3.737e–27 / 80
p0 –19.81 ± 0.05811
–19.2
–19.4
–19.6
–19.8
–20
–20.2
–20.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
–1
–2
–3
–4
–5
–6
–7

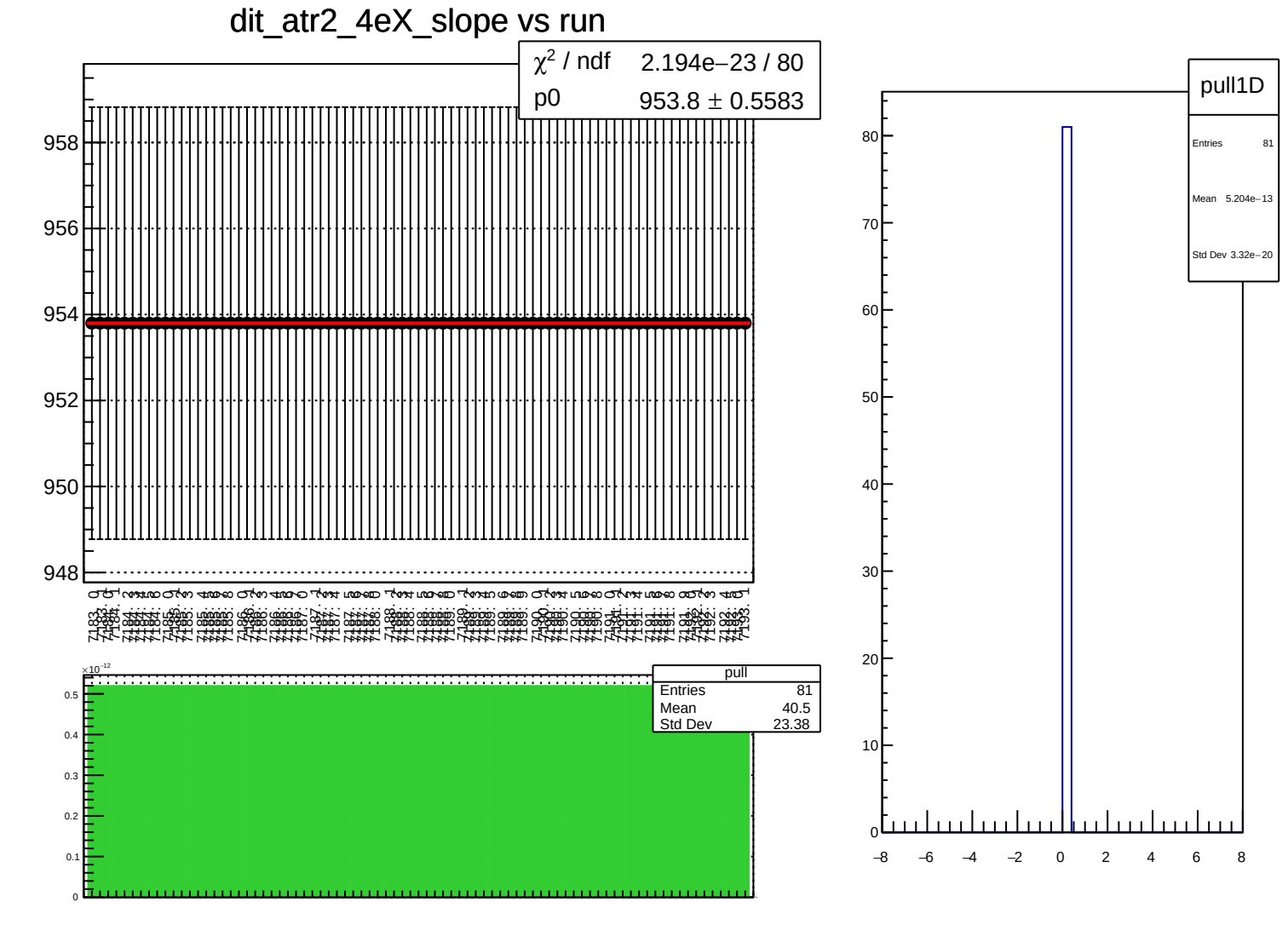

pull1D
Entries 81
Mean –6.793e–15
Std Dev 2.801e–22
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

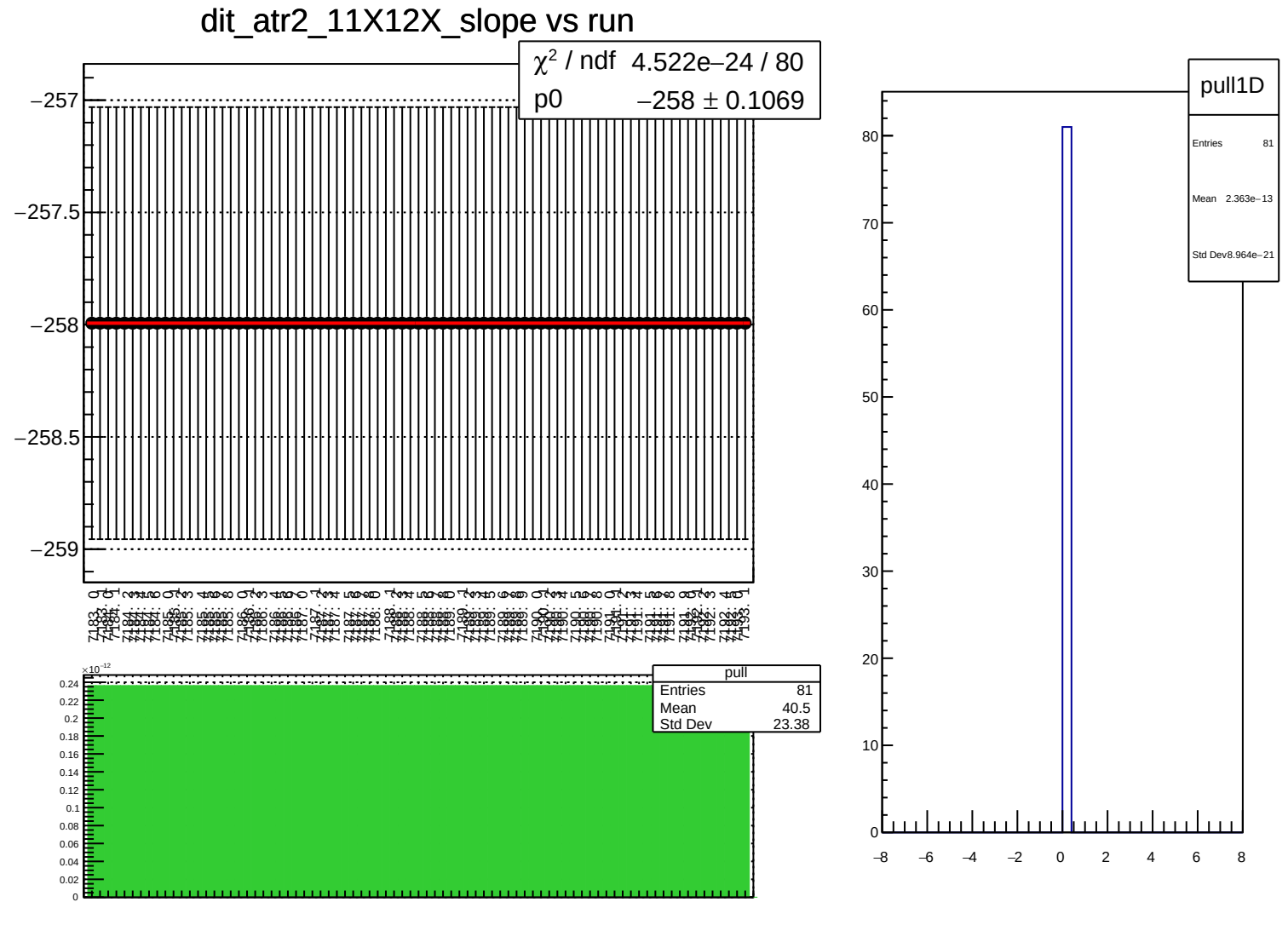

dit_atr1_4aY_slope vs run
χ² / ndf 1.504e−26 / 80
p0 16.31 ± 0.05794
16.8
16.6
16.4
16.2
16
15.8
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 81
Mean 40.5
Std Dev 23.38

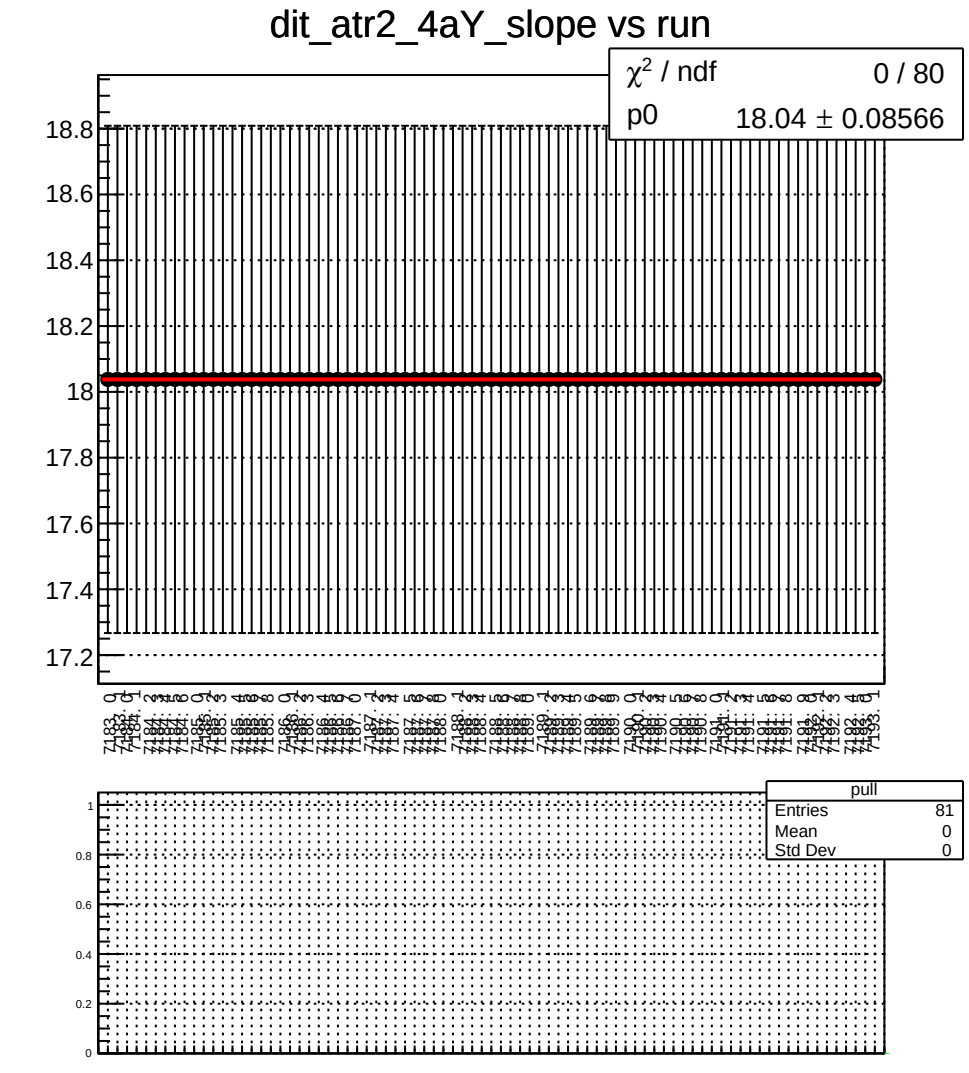

pull1D
Entries 81
Mean 1.363e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

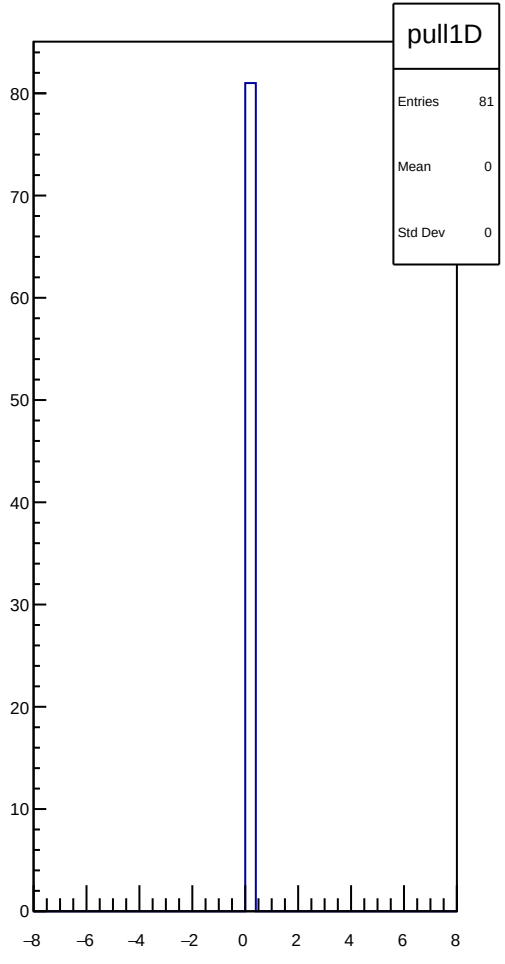

dit_atr1_4eY_slope vs run
χ² / ndf 1.669e−25 / 80
p0 −25.21 ± 0.08697
−24.4
−24.6
−24.8
−25
−25.2
−25.4
−25.6
−25.8
−26
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 4.539e−14
Std Dev 2.16e−21

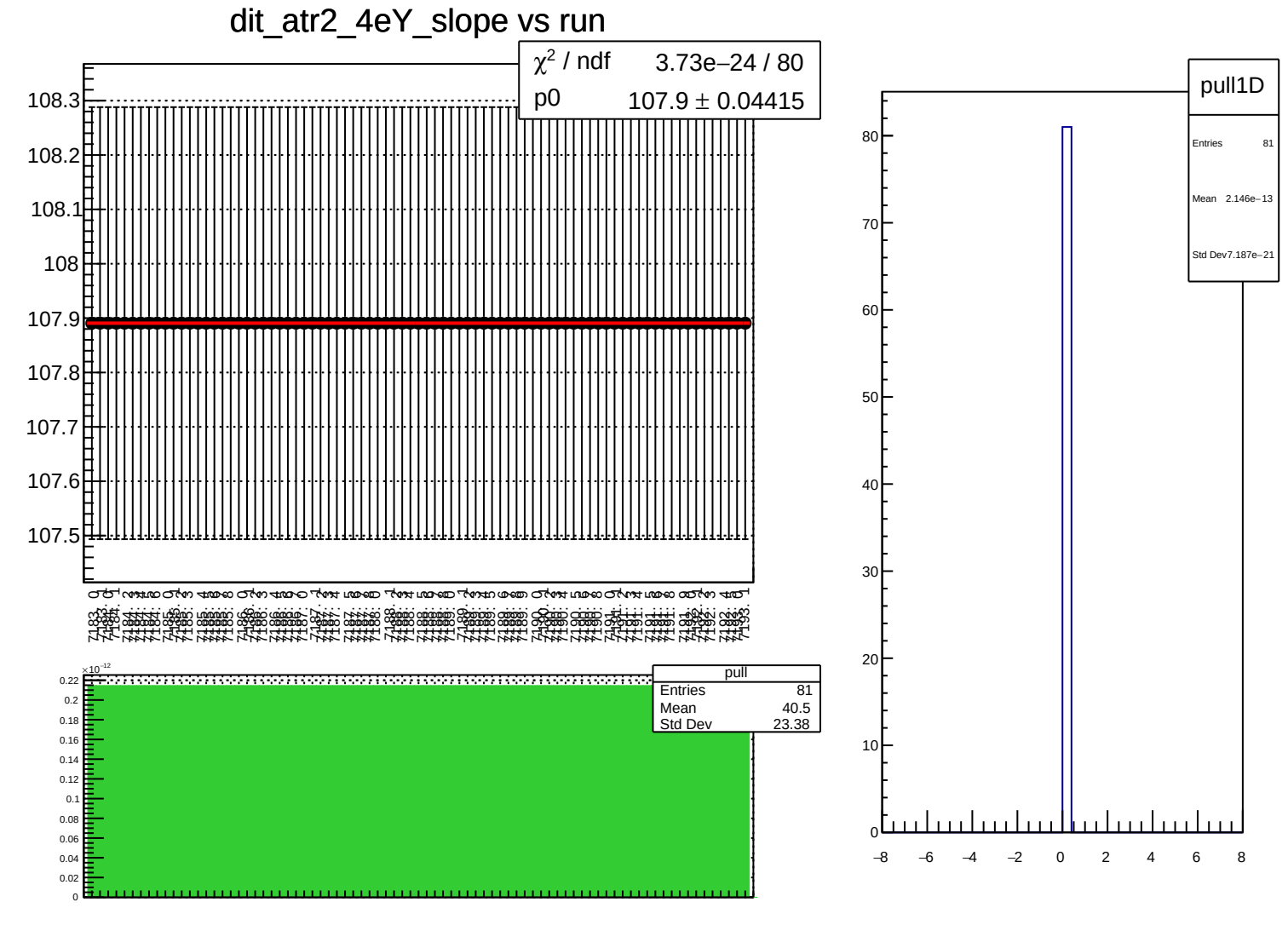

dit_atr2_4aX_slope vs run
χ² / ndf 3.404e−26 / 80
p0 −851.9 ± 0.6162
−846
−848
−850
−852
−854
−856
−858
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 81
Mean 2.05e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

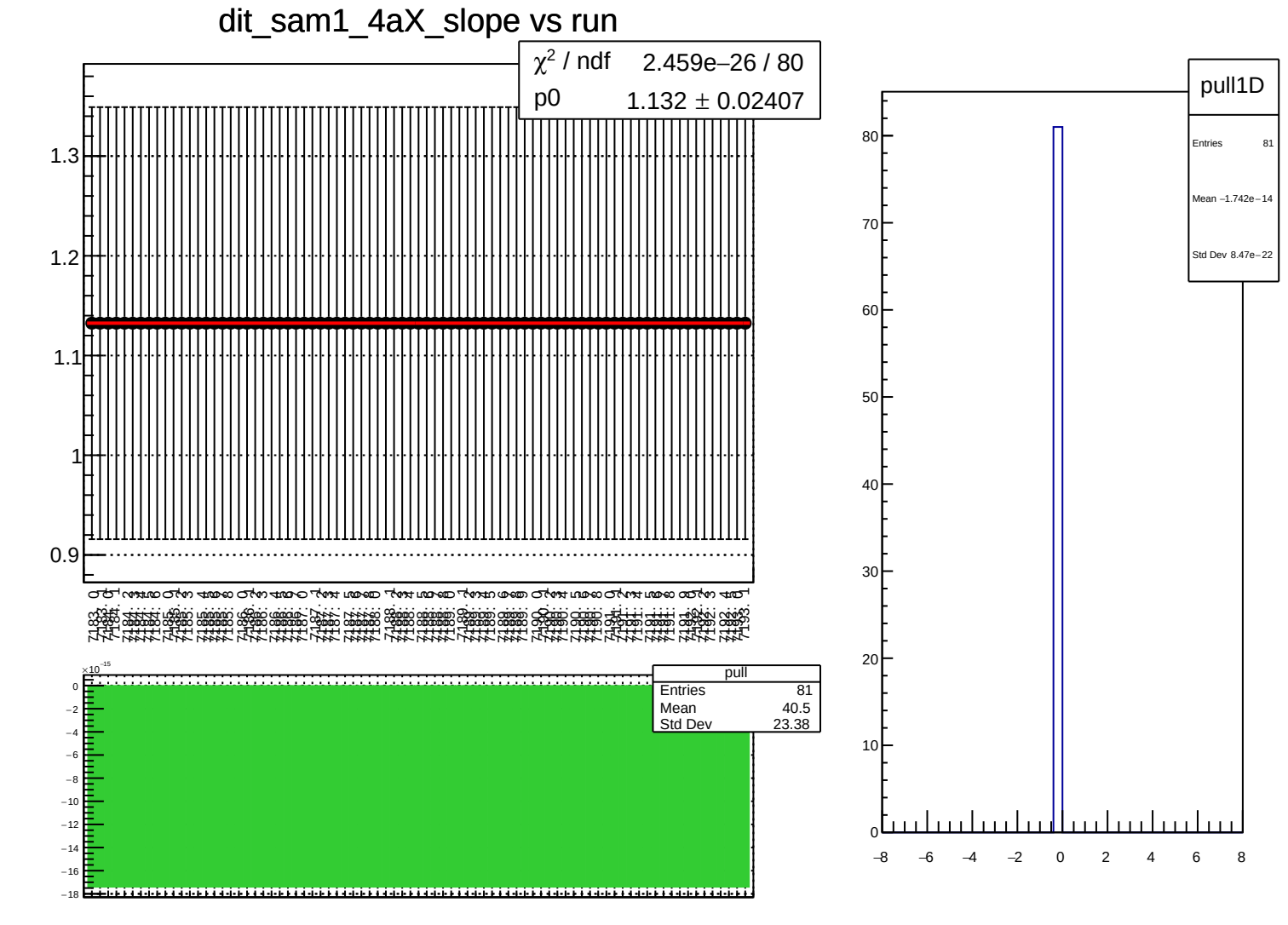

dit_atr2_4eX_slope vs run
χ² / ndf 2.194e−23 / 80
p0 953.8 ± 0.5583
958
956
954
952
950
948
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 81
Mean 5.204e−13
Std Dev 3.32e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

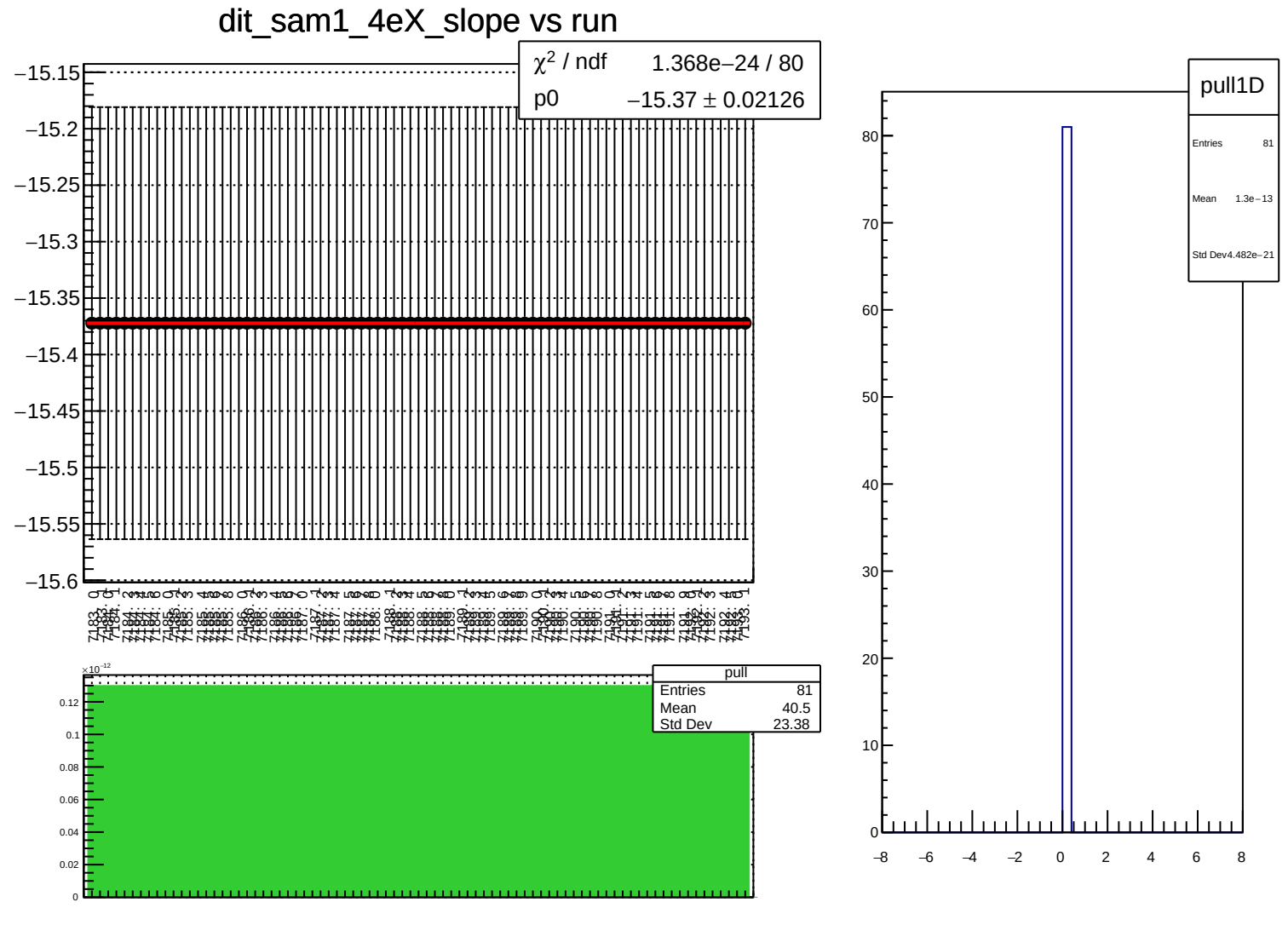

dit_atr2_11X12X_slope vs run
χ² / ndf 4.522e−24 / 80
p0 −258 ± 0.1069
−257
−257.5
−258
−258.5
−259
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.363e−13
Std Dev8.964e−21

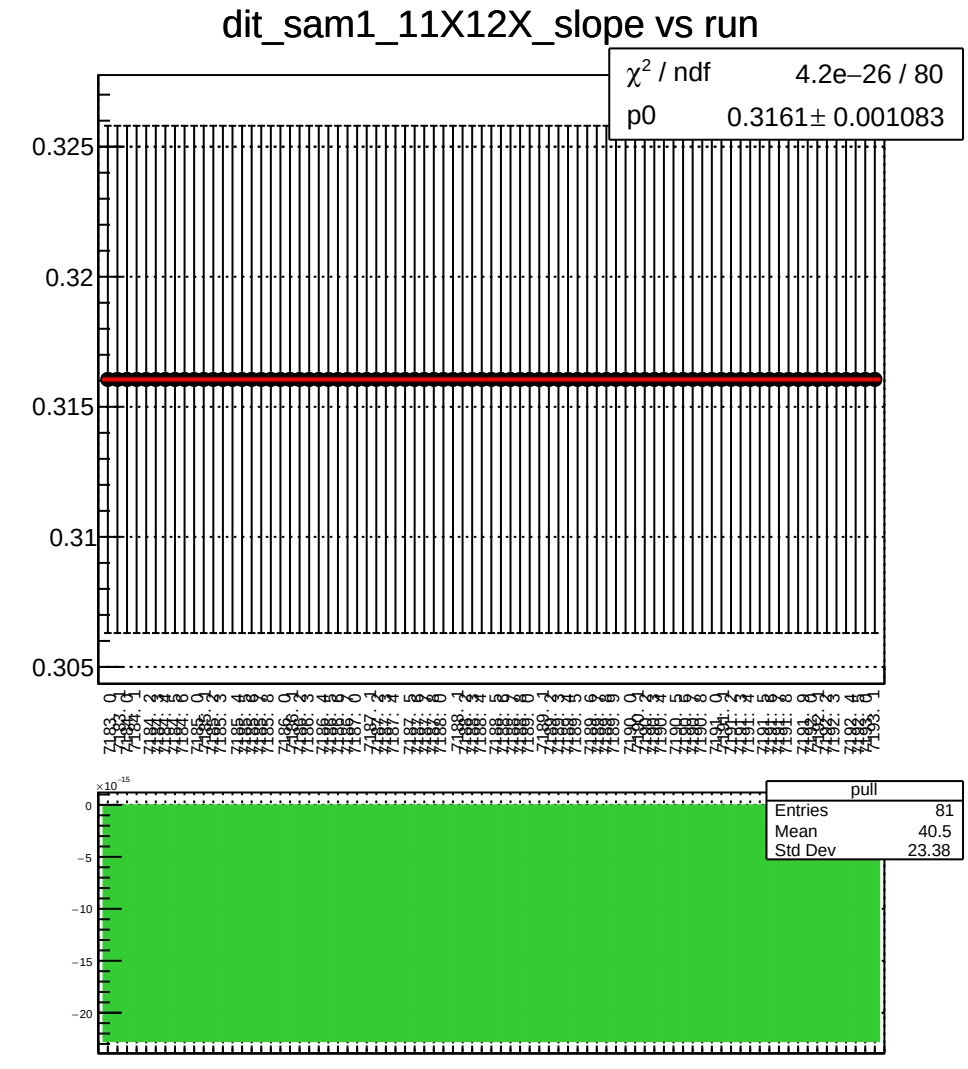

dit_atr2_4aY_slope vs run
χ² / ndf 0 / 80
p0 18.04 ± 0.08566
18.8
18.6
18.4
18.2
18
17.8
17.6
17.4
17.2
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

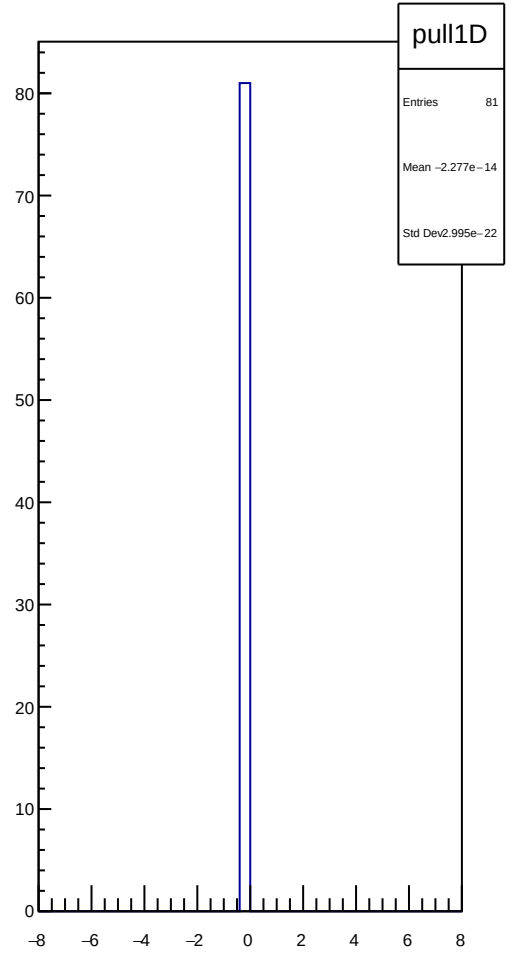

pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

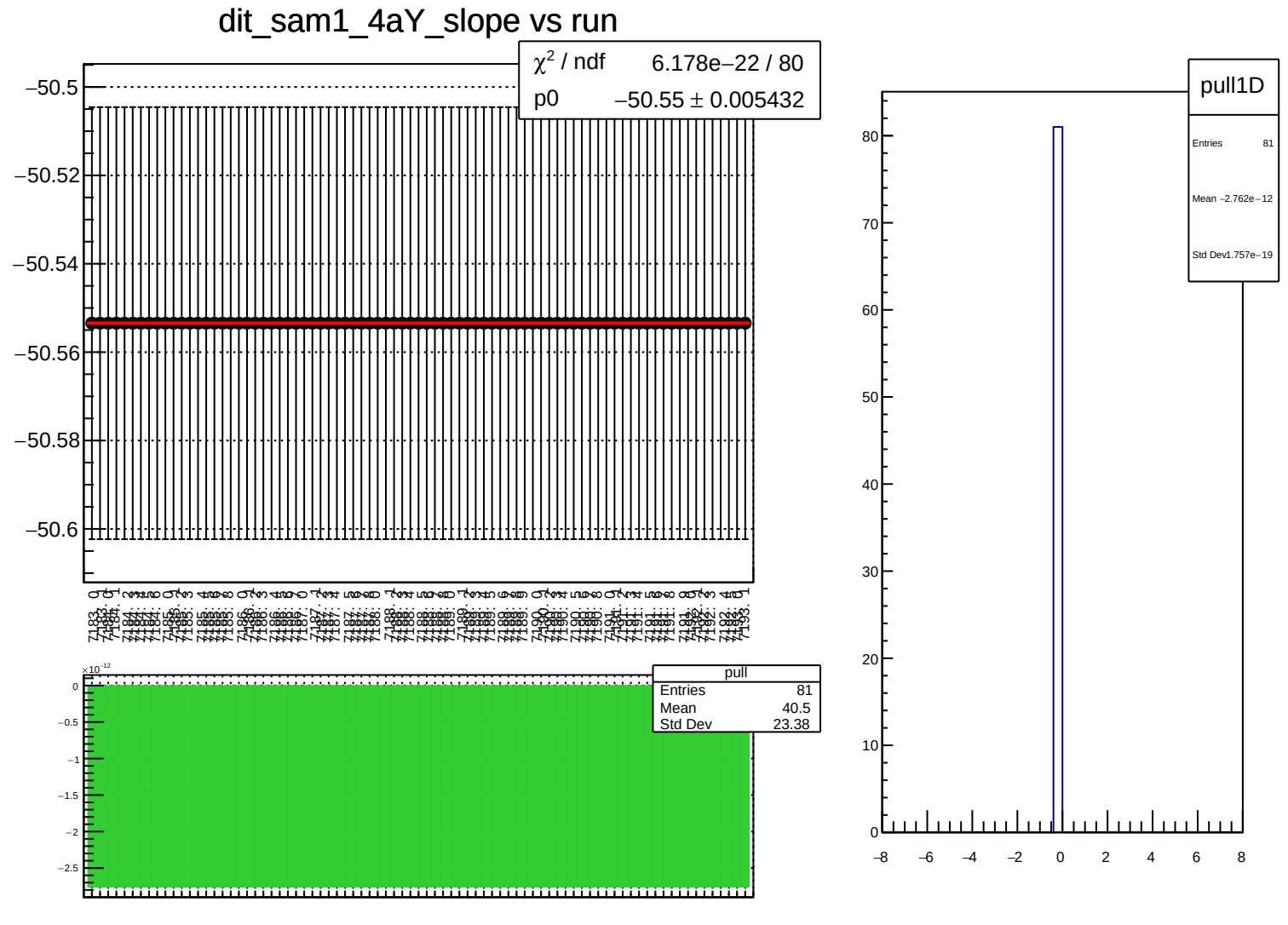

dit_atr2_4eY_slope vs run
χ² / ndf 3.73e−24 / 80
p0 107.9 ± 0.04415
108.3
108.2
108.1
108
107.9
107.8
107.7
107.6
107.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 2.146e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

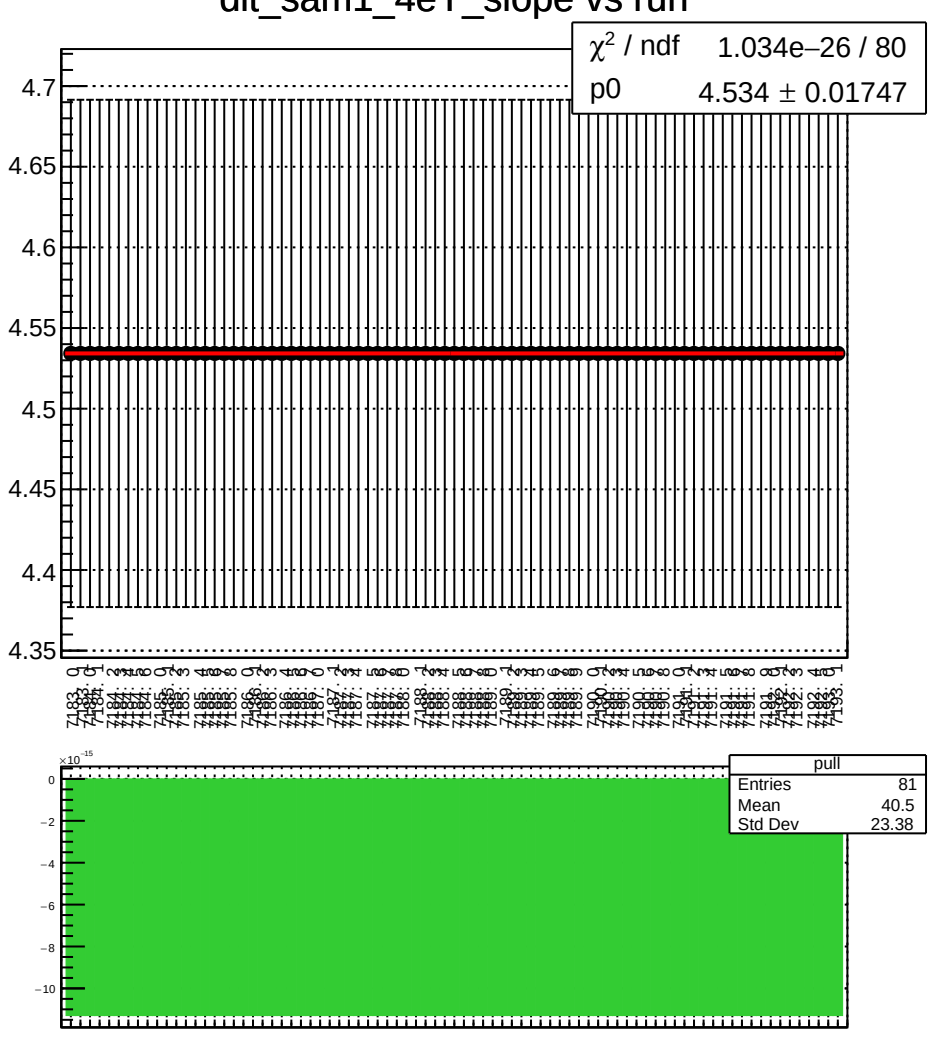

dit_sam1_4aX_slope vs run
χ² / ndf 2.459e−26 / 80
p0 1.132 ± 0.02407
1.3
1.2
1.1
1
0.9
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 81
Mean −1.742e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

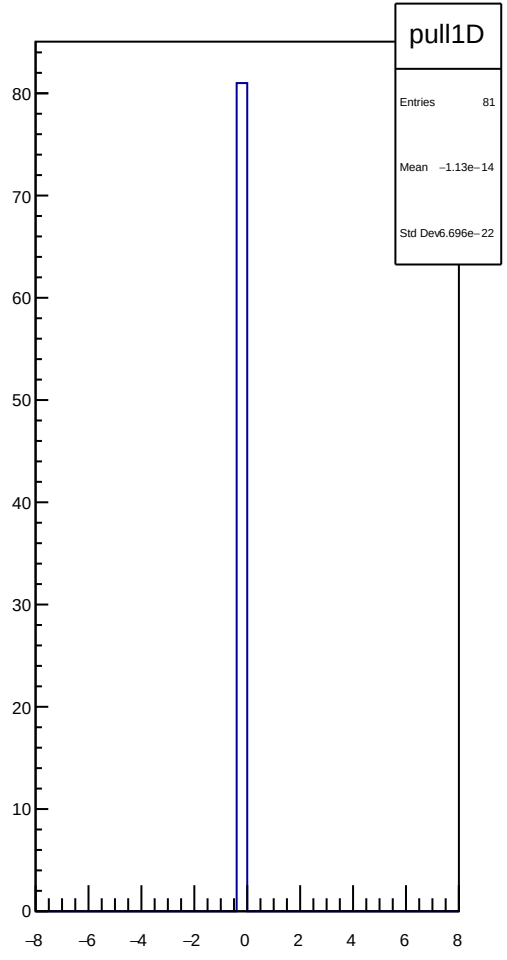

dit_sam1_4eX_slope vs run
χ² / ndf 1.368e−24 / 80
p0 −15.37 ± 0.02126
−15.15
−15.2
−15.25
−15.3
−15.35
−15.4
−15.45
−15.5
−15.55
−15.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.3e−13
Std Dev 4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

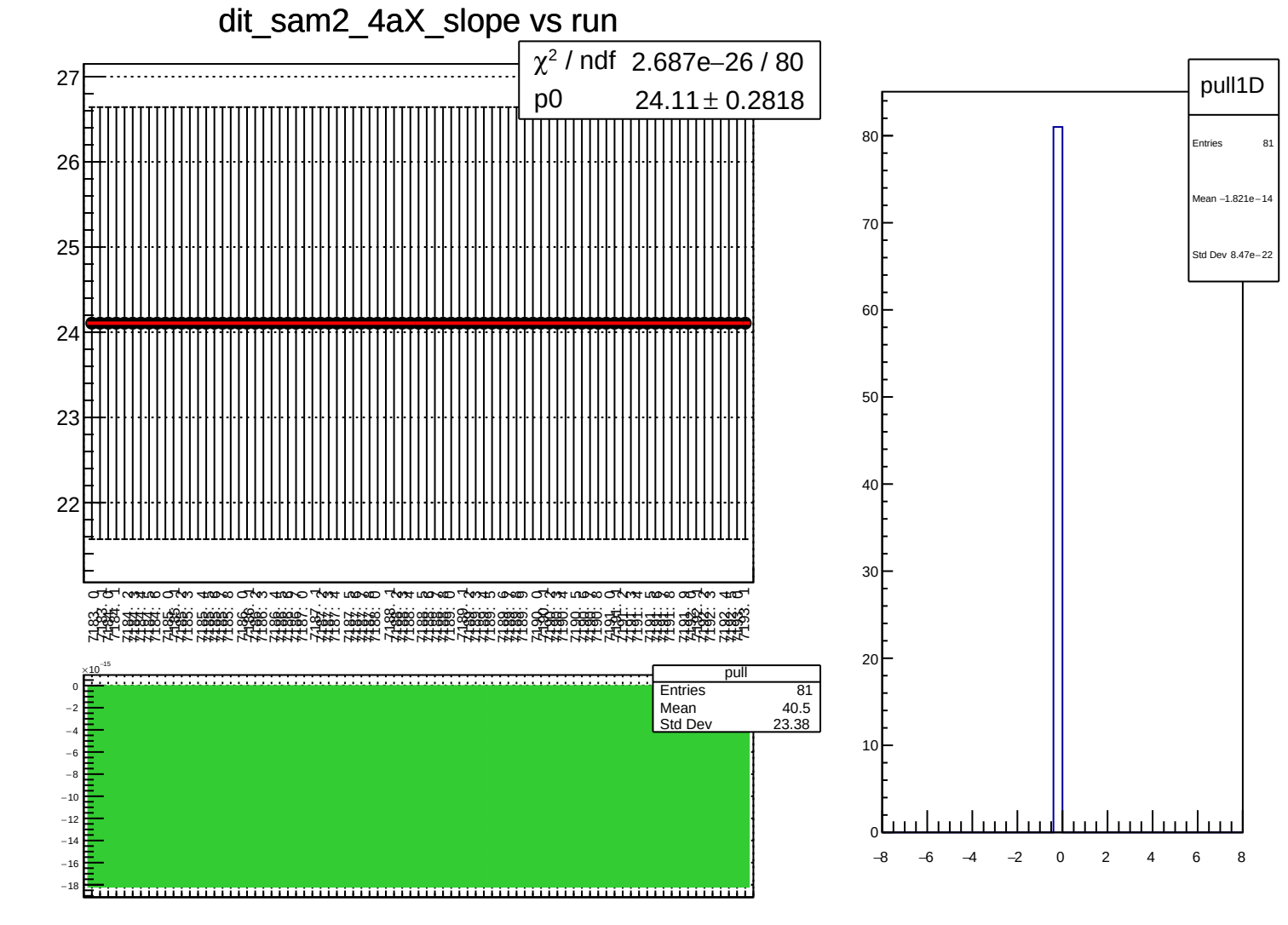

dit_sam1_11X12X_slope vs run
χ² / ndf 4.2e−26 / 80
p0 0.3161± 0.001083
0.325
0.32
0.315
0.31
0.305
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20

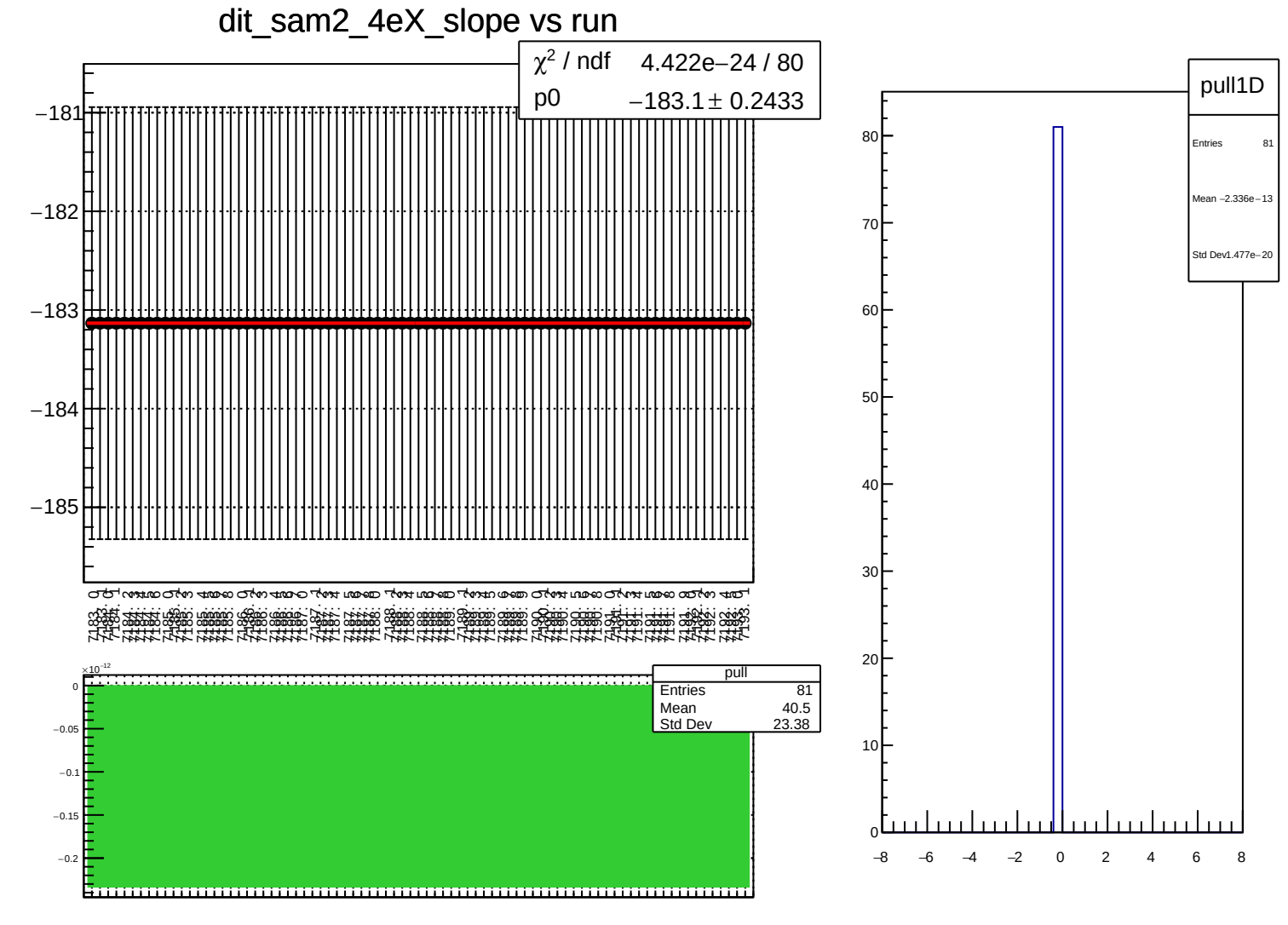

pull1D
Entries 81
Mean −2.277e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

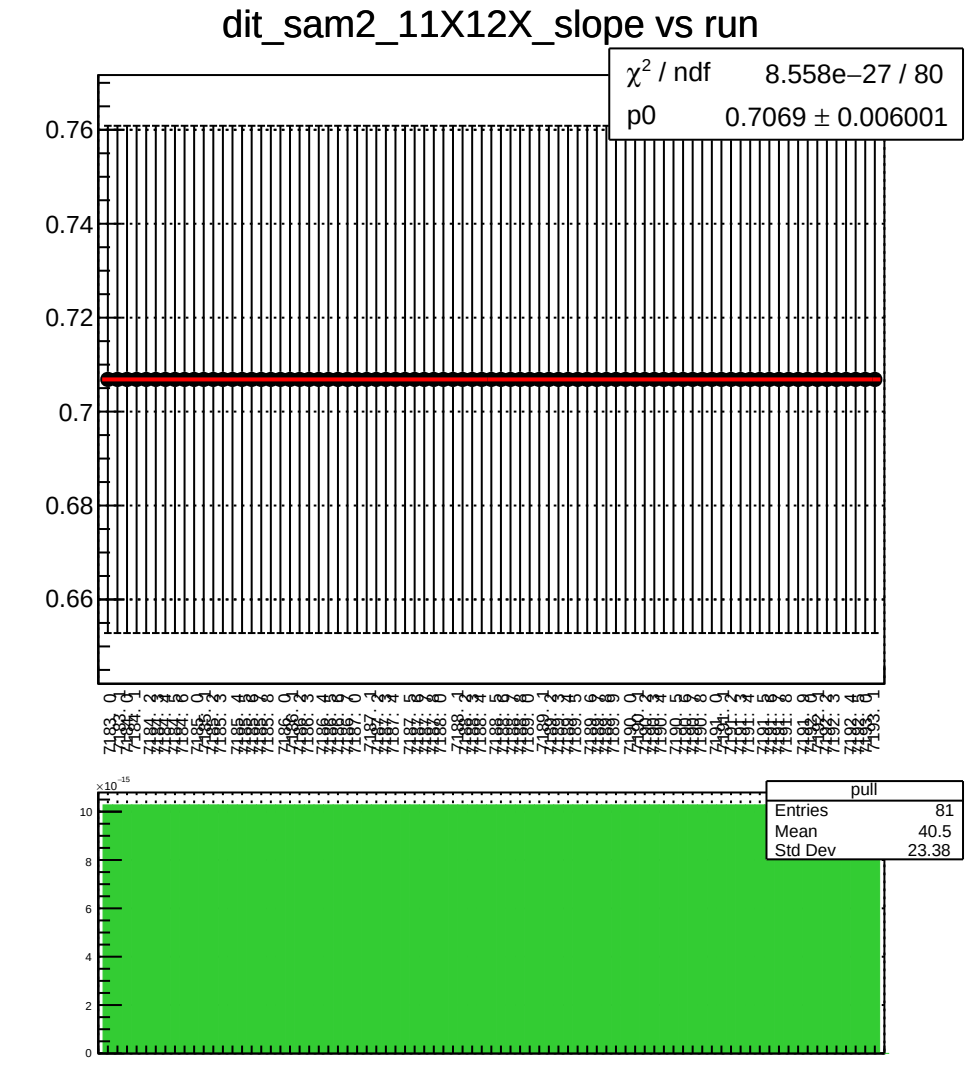

dit_sam1_4aY_slope vs run
χ² / ndf 6.178e−22 / 80
p0 −50.55 ± 0.005432
−50.5
−50.52
−50.54
−50.56
−50.58
−50.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean −2.762e−12
Std Dev1.757e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

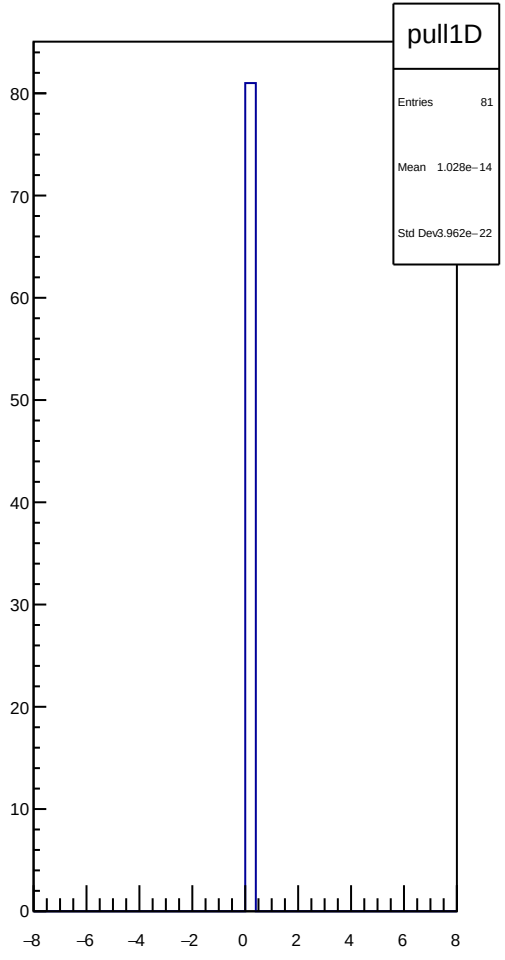

dit_sam1_4eY_slope vs run
χ² / ndf 1.034e−26 / 80
p0 4.534 ± 0.01747
4.7
4.65
4.6
4.55
4.5
4.45
4.4
4.35
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull
Entries 81
Mean 40.5
Std Dev 23.38

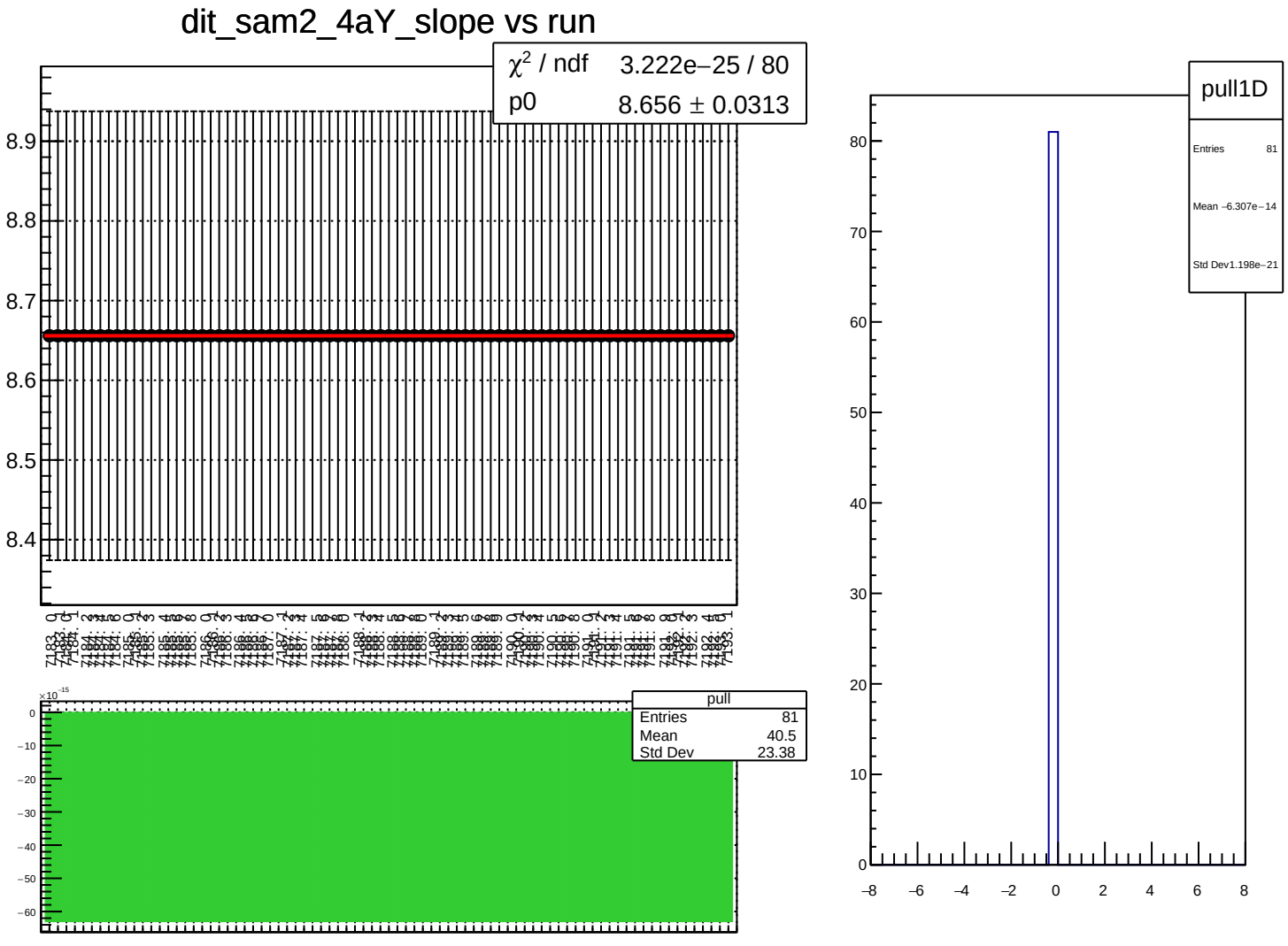

pull1D
Entries 81
Mean −1.13e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

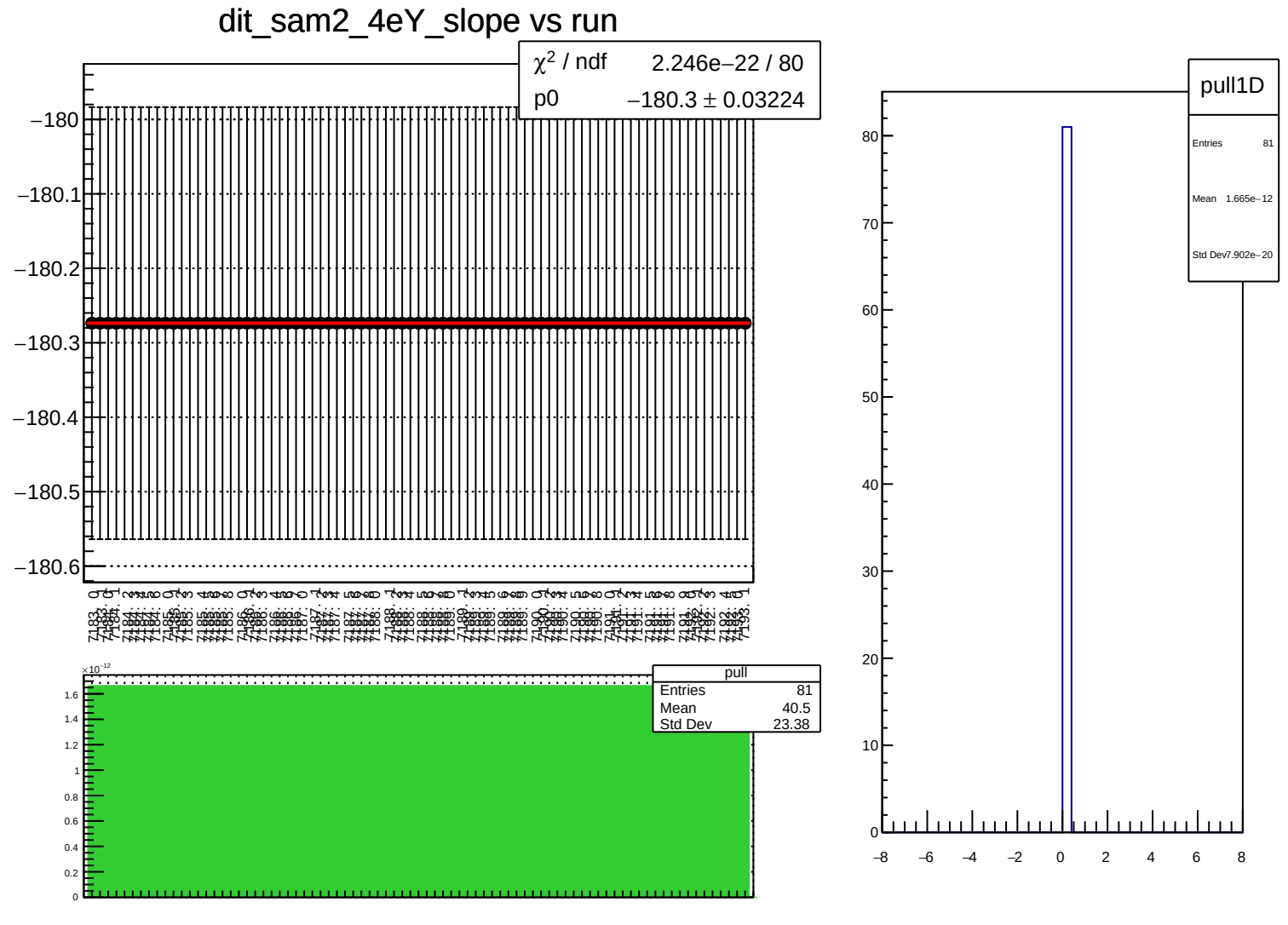

dit_sam2_4aX_slope vs run
χ² / ndf 2.687e−26 / 80
p0 24.11 ± 0.2818
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.821e−14
Std Dev 8.47e−22

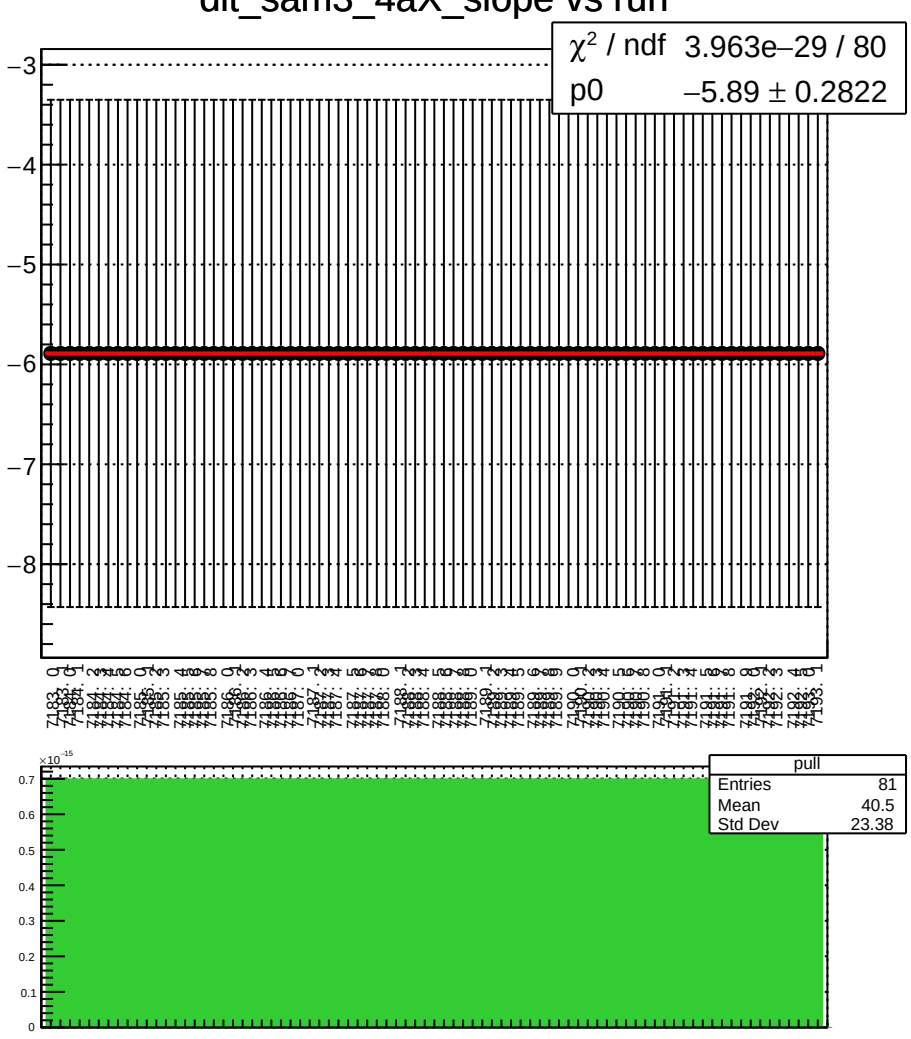

dit_sam2_4eX_slope vs run
χ² / ndf 4.422e−24 / 80
p0 −183.1 ± 0.2433
−181
−182
−183
−184
−185
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 81
Mean −2.336e−13
Std Dev1.477e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

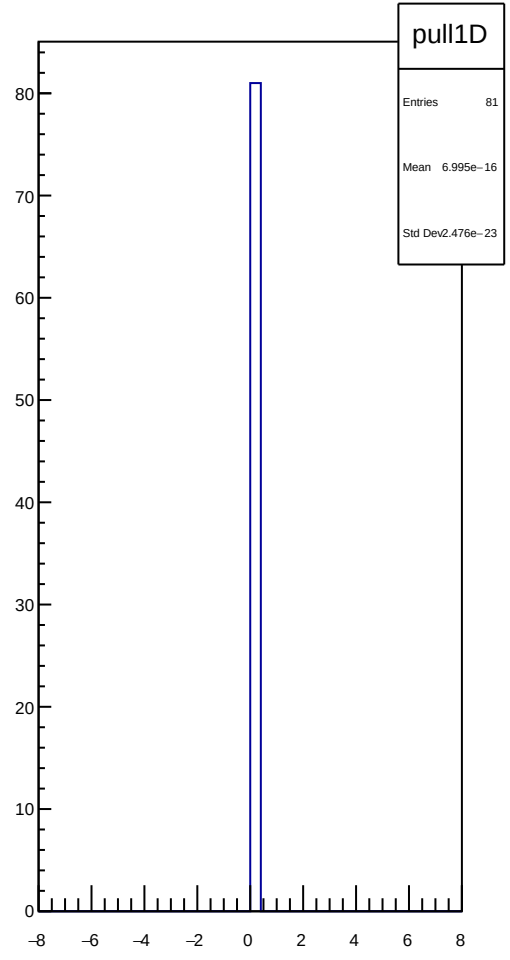

dit_sam2_11X12X_slope vs run
χ² / ndf 8.558e−27 / 80
p0 0.7069 ± 0.006001
0.76
0.74
0.72
0.7
0.68
0.66
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
10
8
6
4
2
0

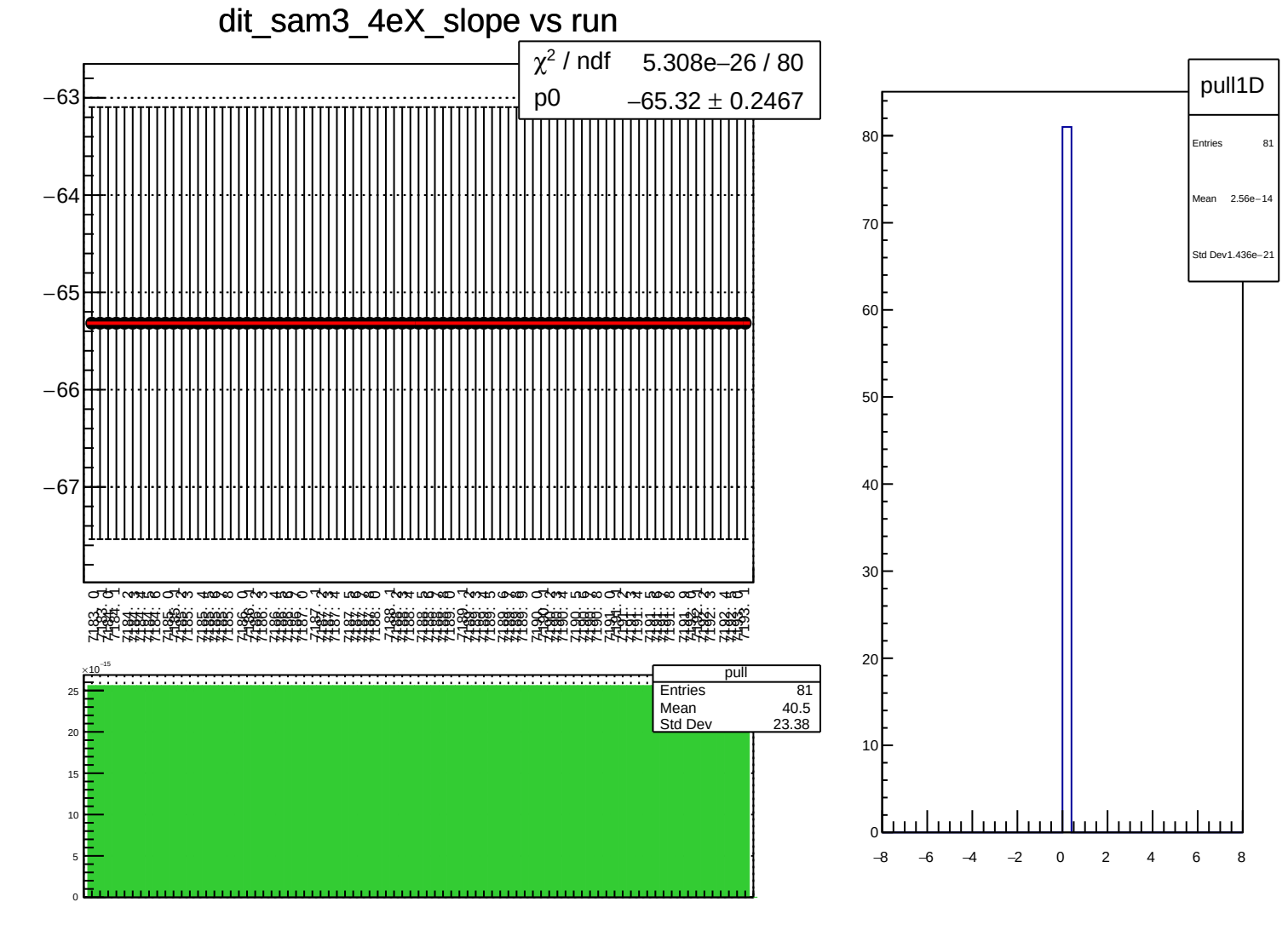

pull1D
Entries 81
Mean 1.028e−14
Std Dev 3.962e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

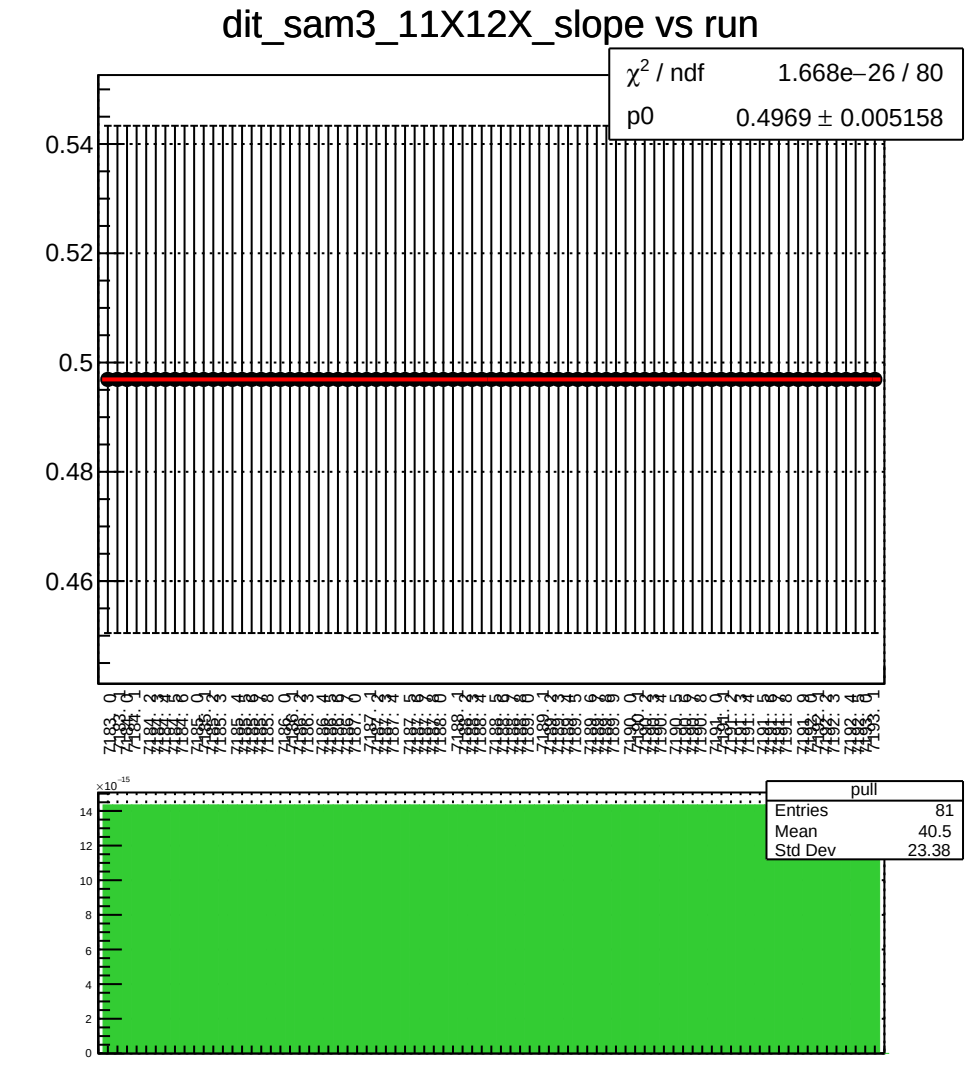

dit_sam2_4aY_slope vs run
χ² / ndf 3.222e−25 / 80
p0 8.656 ± 0.0313
8.9
8.8
8.7
8.6
8.5
8.4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −6.307e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

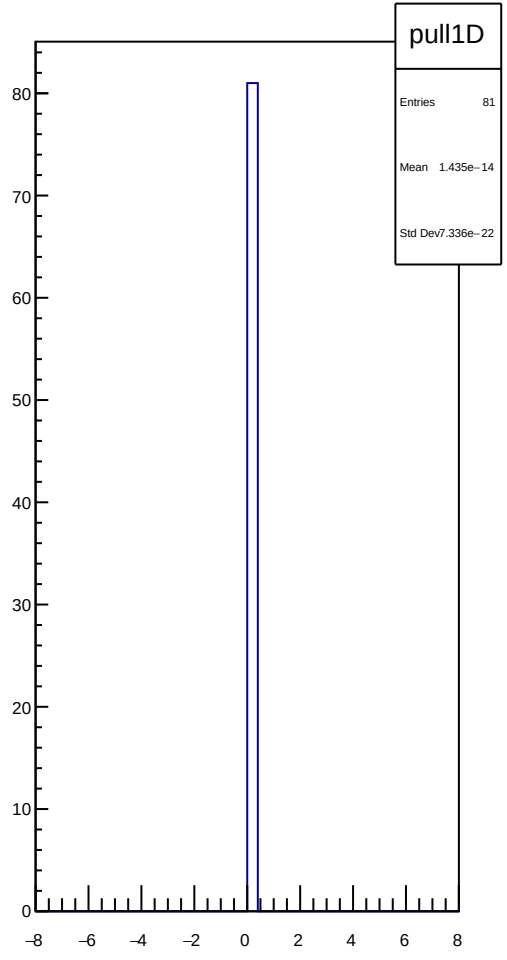

dit_sam2_4eY_slope vs run
χ² / ndf 2.246e−22 / 80
p0 −180.3 ± 0.03224
−180
−180.1
−180.2
−180.3
−180.4
−180.5
−180.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 81
Mean 1.665e−12
Std Dev7.902e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

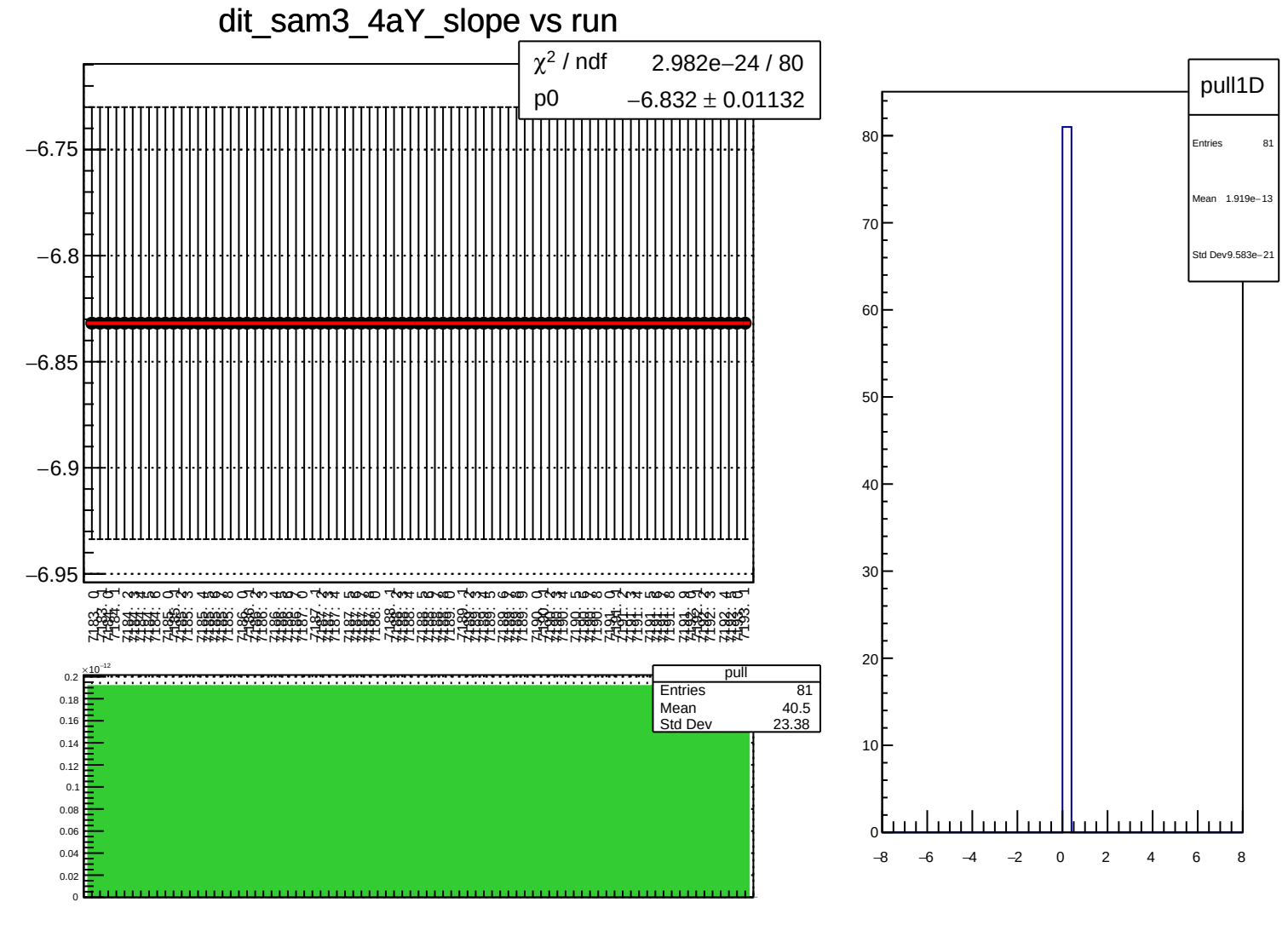

dit_sam3_4aX_slope vs run
χ² / ndf 3.963e−29 / 80
p0 −5.89 ± 0.2822
pull
Entries 81
Mean 40.5
Std Dev 23.38

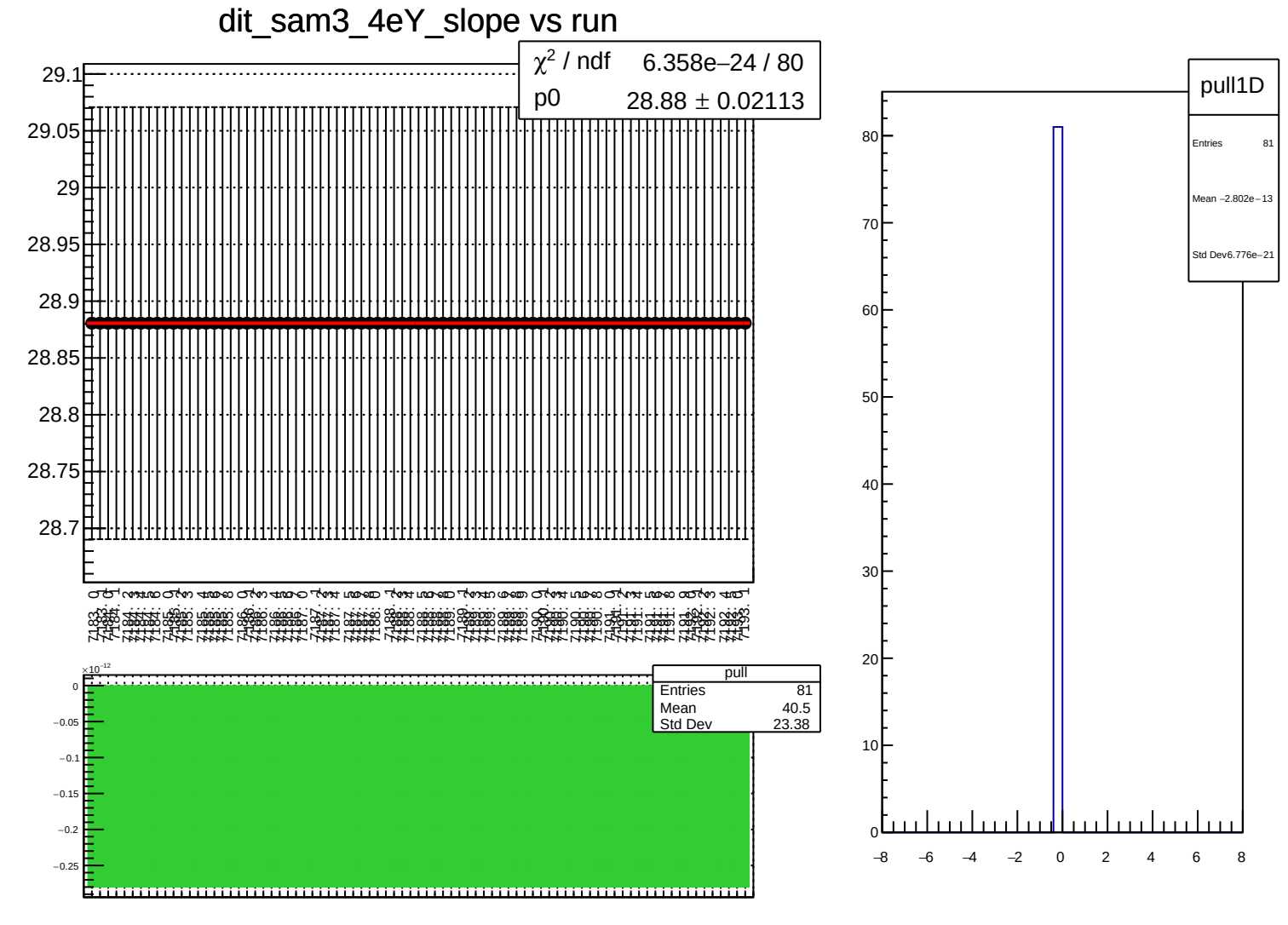

pull1D
Entries 81
Mean 6.995e−16
Std Dev 2.476e−23

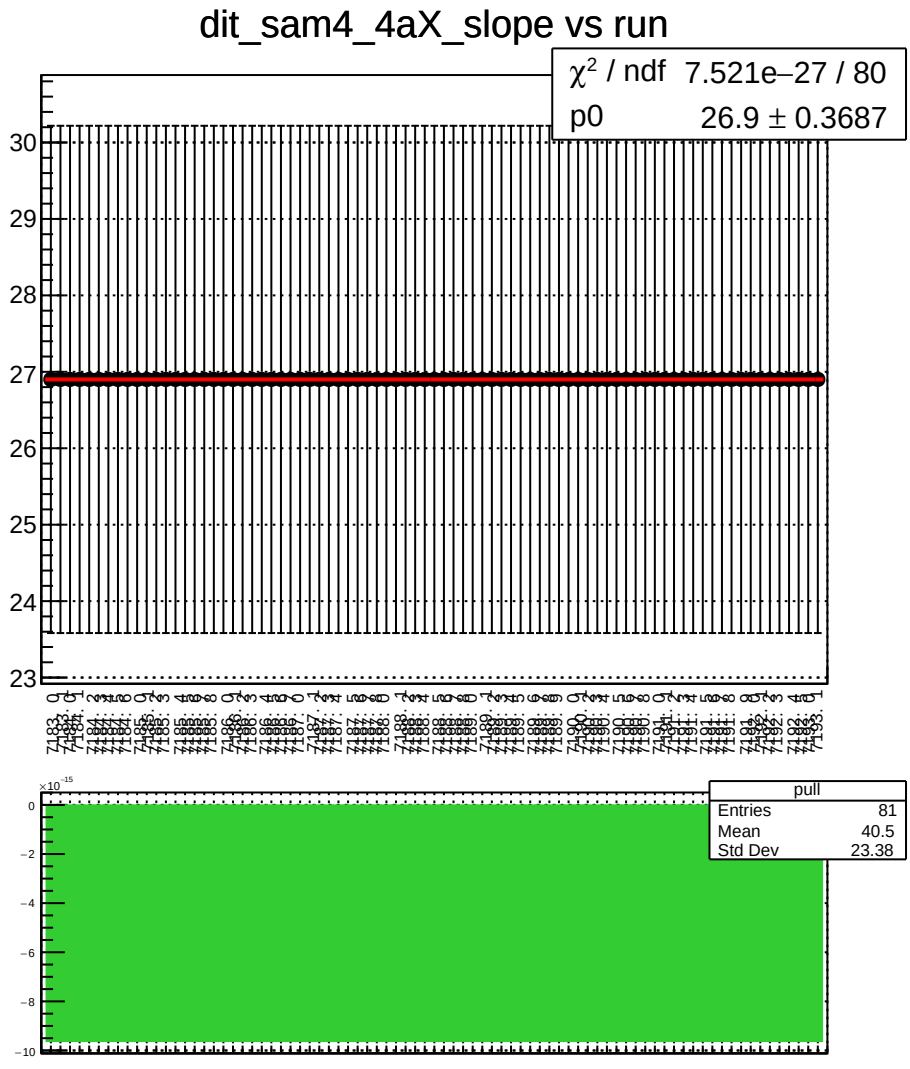

dit_sam3_4eX_slope vs run
χ² / ndf 5.308e−26 / 80
p0 −65.32 ± 0.2467
−63
−64
−65
−66
−67
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 81
Mean 2.56e−14
Std Dev 1.436e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

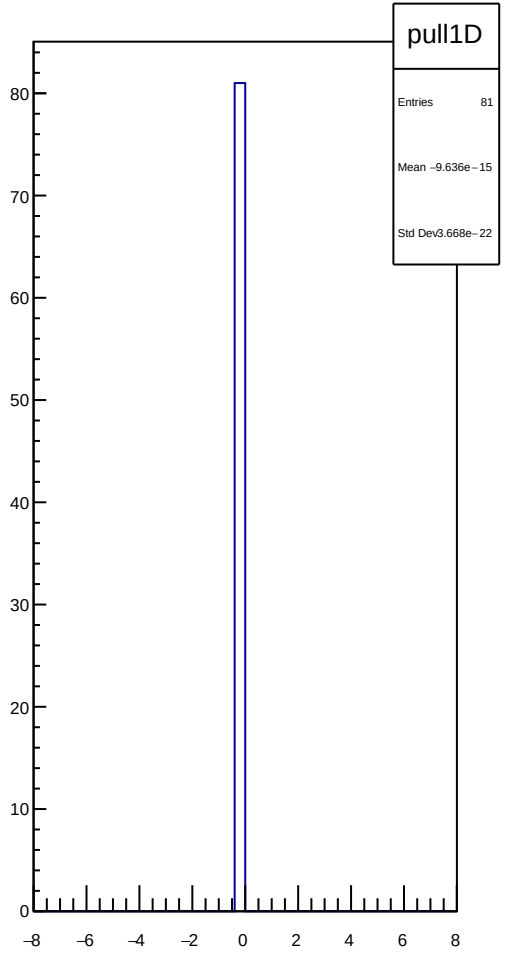

dit_sam3_11X12X_slope vs run
χ² / ndf 1.668e−26 / 80
p0 0.4969 ± 0.005158
0.54
0.52
0.5
0.48
0.46
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
14
12
10
8
6
4
2
0

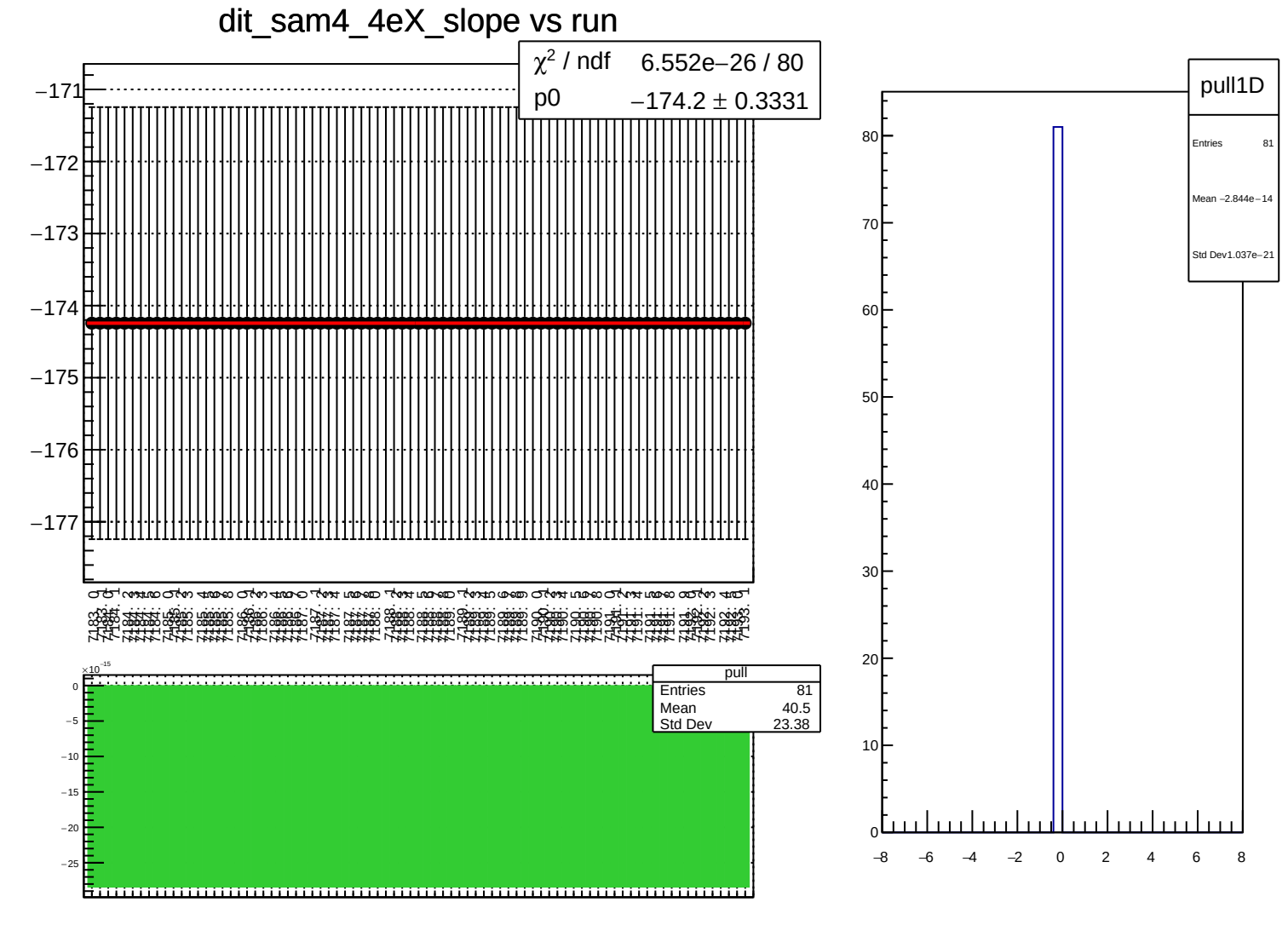

pull1D
Entries 81
Mean 1.435e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

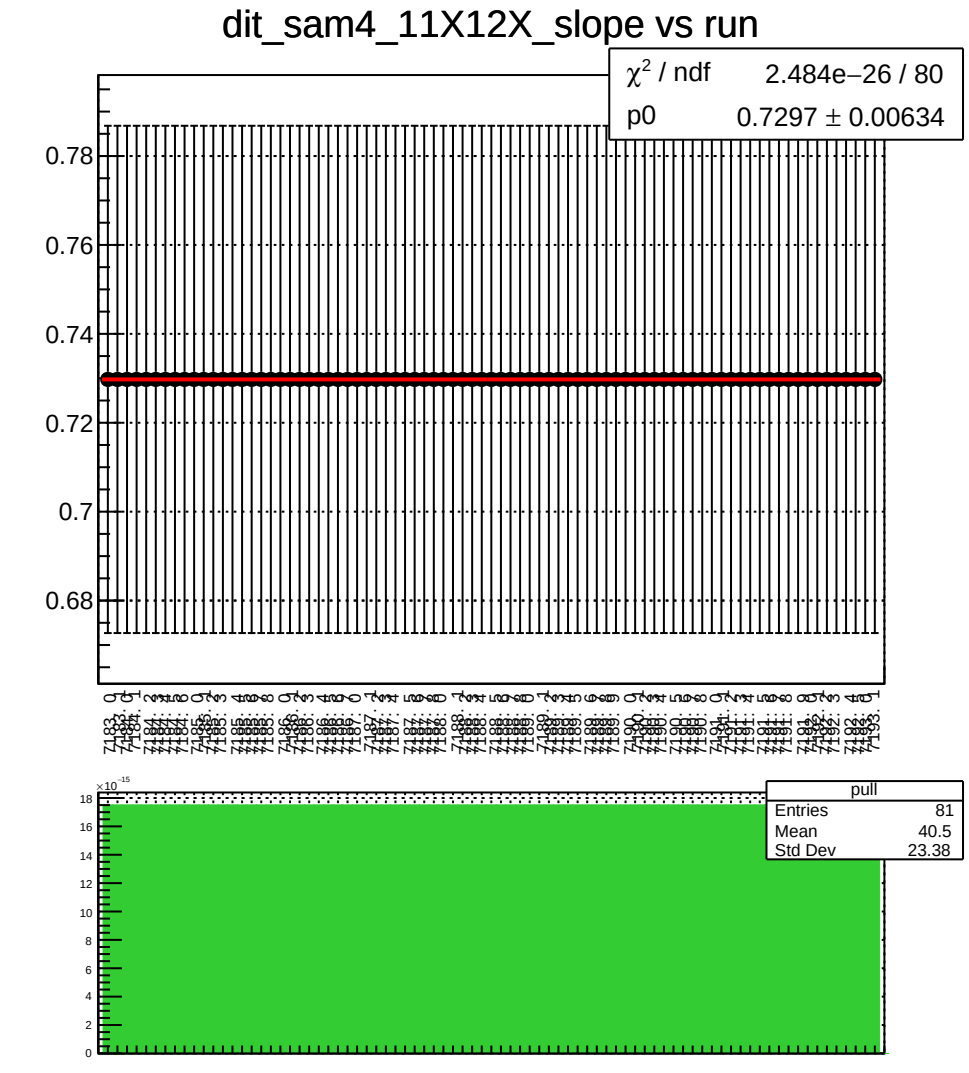

dit_sam3_4aY_slope vs run
χ² / ndf 2.982e−24 / 80
p0 −6.832 ± 0.01132
−6.75
−6.8
−6.85
−6.9
−6.95
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.919e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

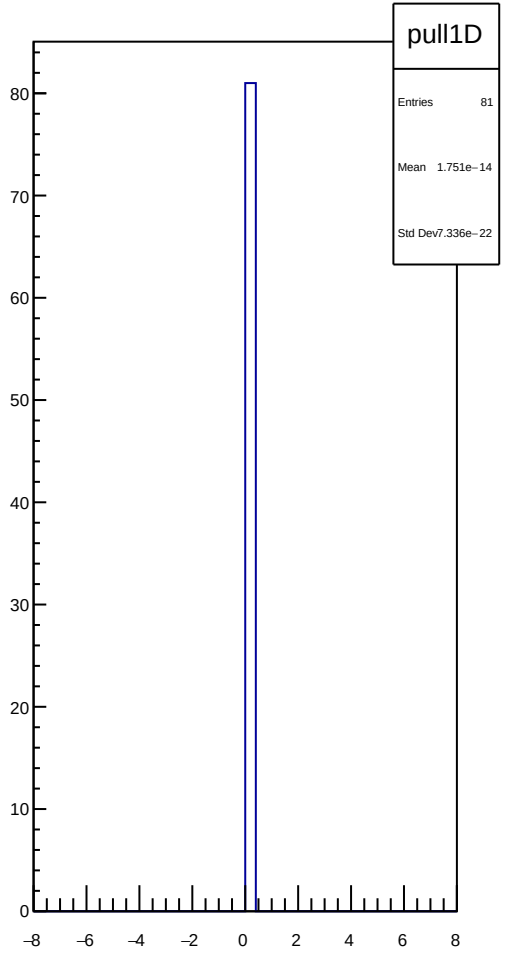

dit_sam3_4eY_slope vs run
χ² / ndf 6.358e−24 / 80
p0 28.88 ± 0.02113
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −2.802e−13
Std Dev6.776e−21

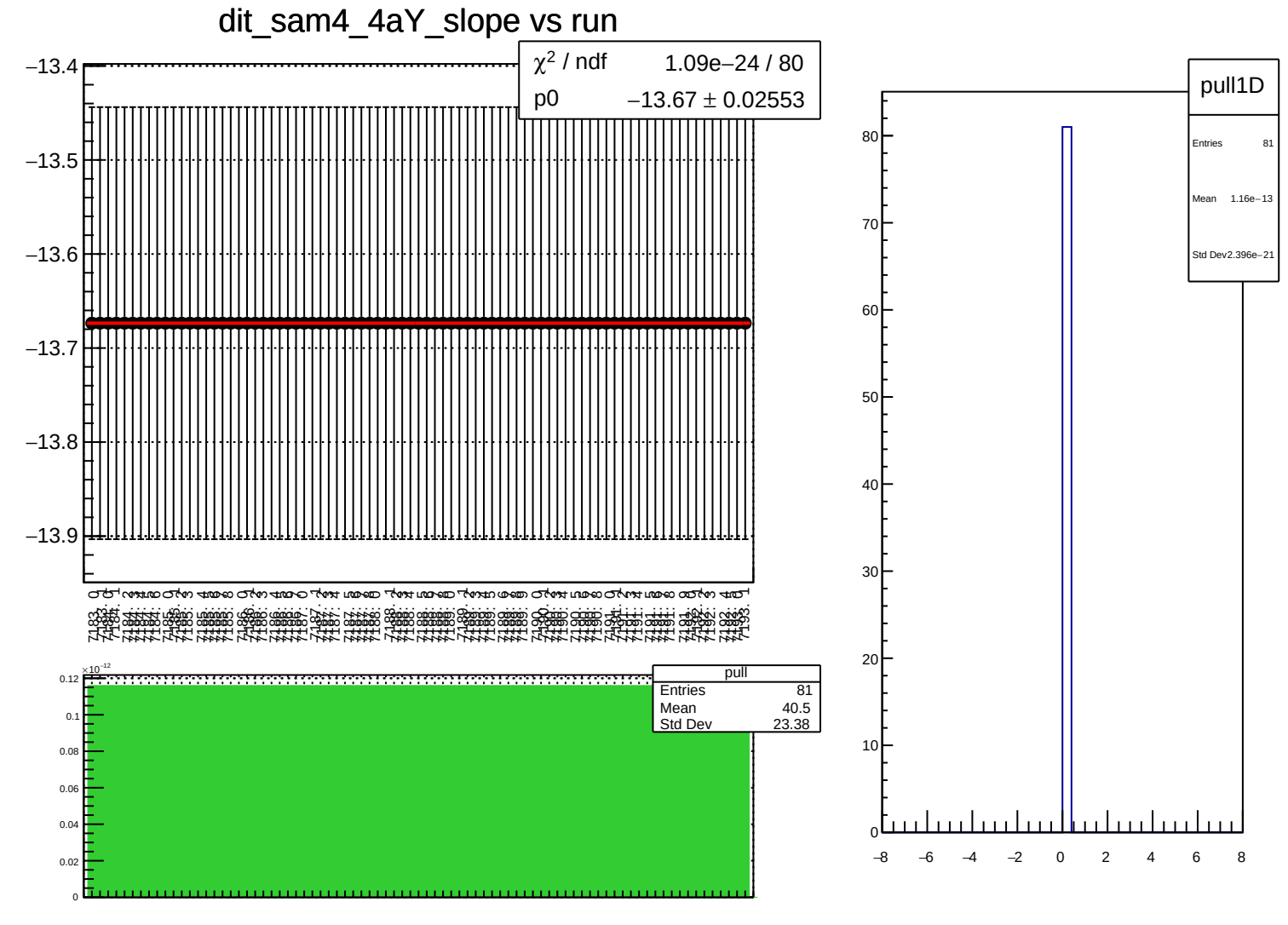

dit_sam4_4aX_slope vs run
χ² / ndf 7.521e−27 / 80
p0 26.9 ± 0.3687
pull
Entries 81
Mean 40.5
Std Dev 23.38

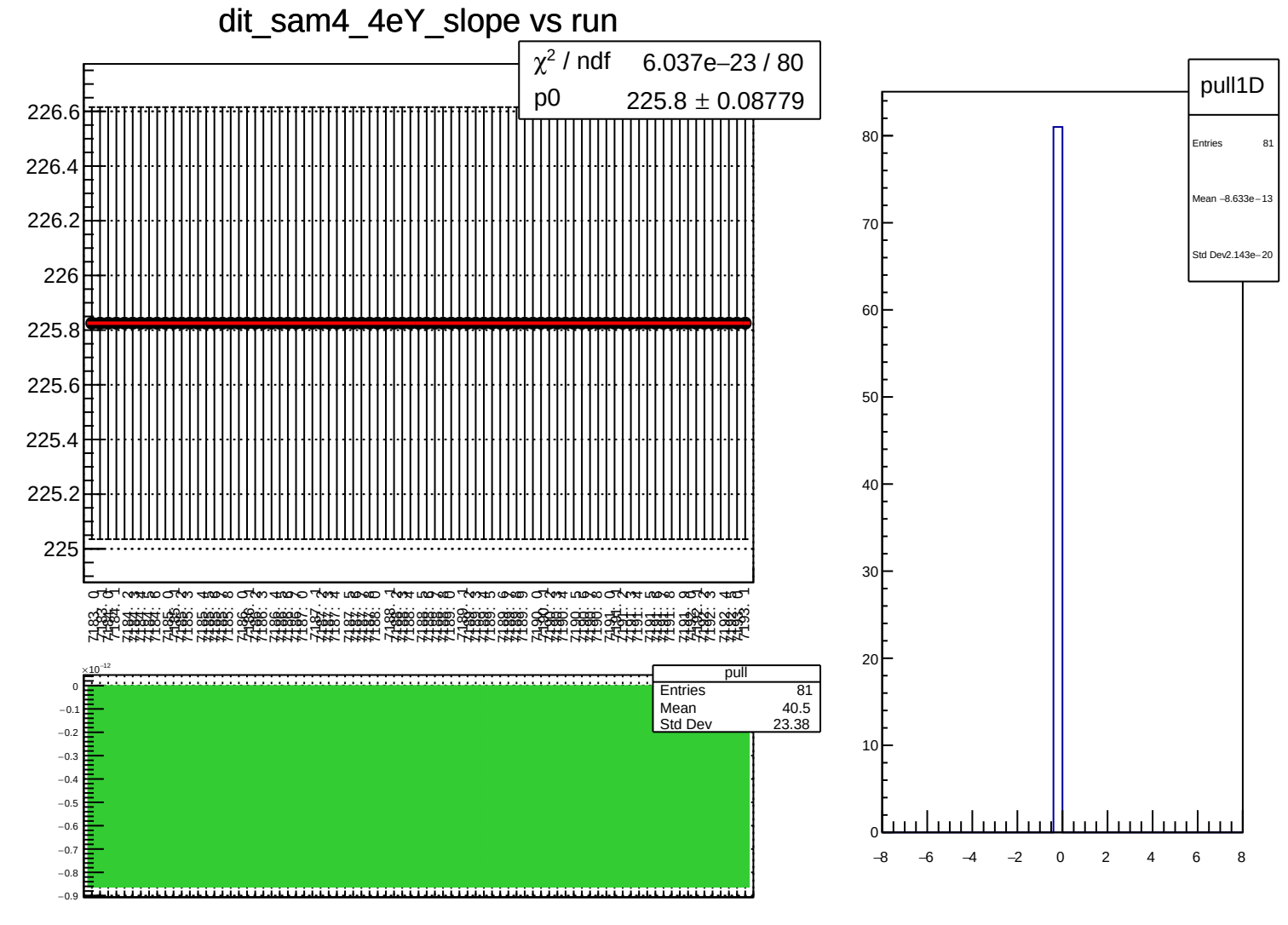

pull1D
Entries 81
Mean −9.636e−15
Std Dev3.668e−22

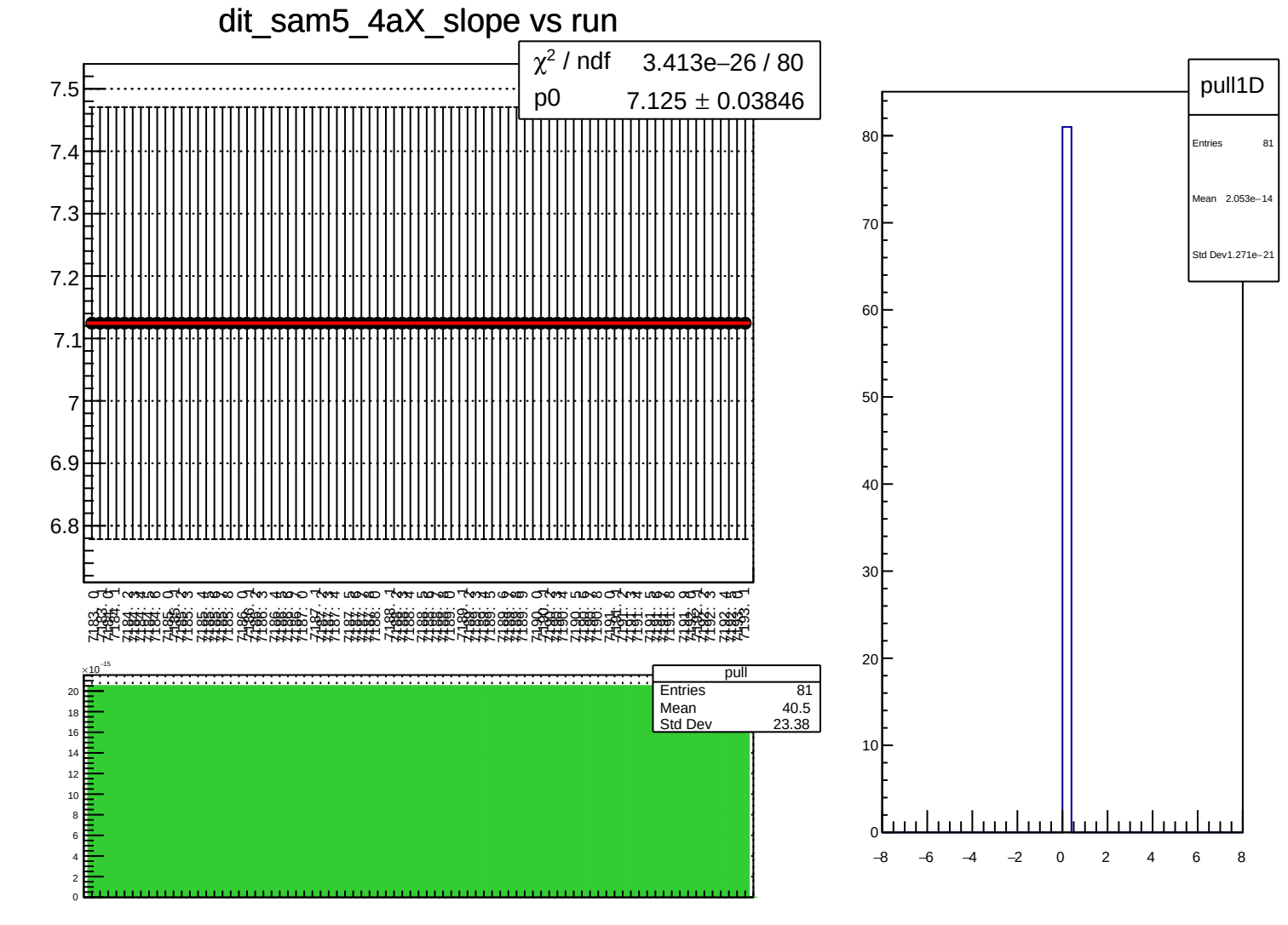

dit_sam4_4eX_slope vs run
χ² / ndf 6.552e−26 / 80
p0 −174.2 ± 0.3331
−171
−172
−173
−174
−175
−176
−177
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 81
Mean −2.844e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

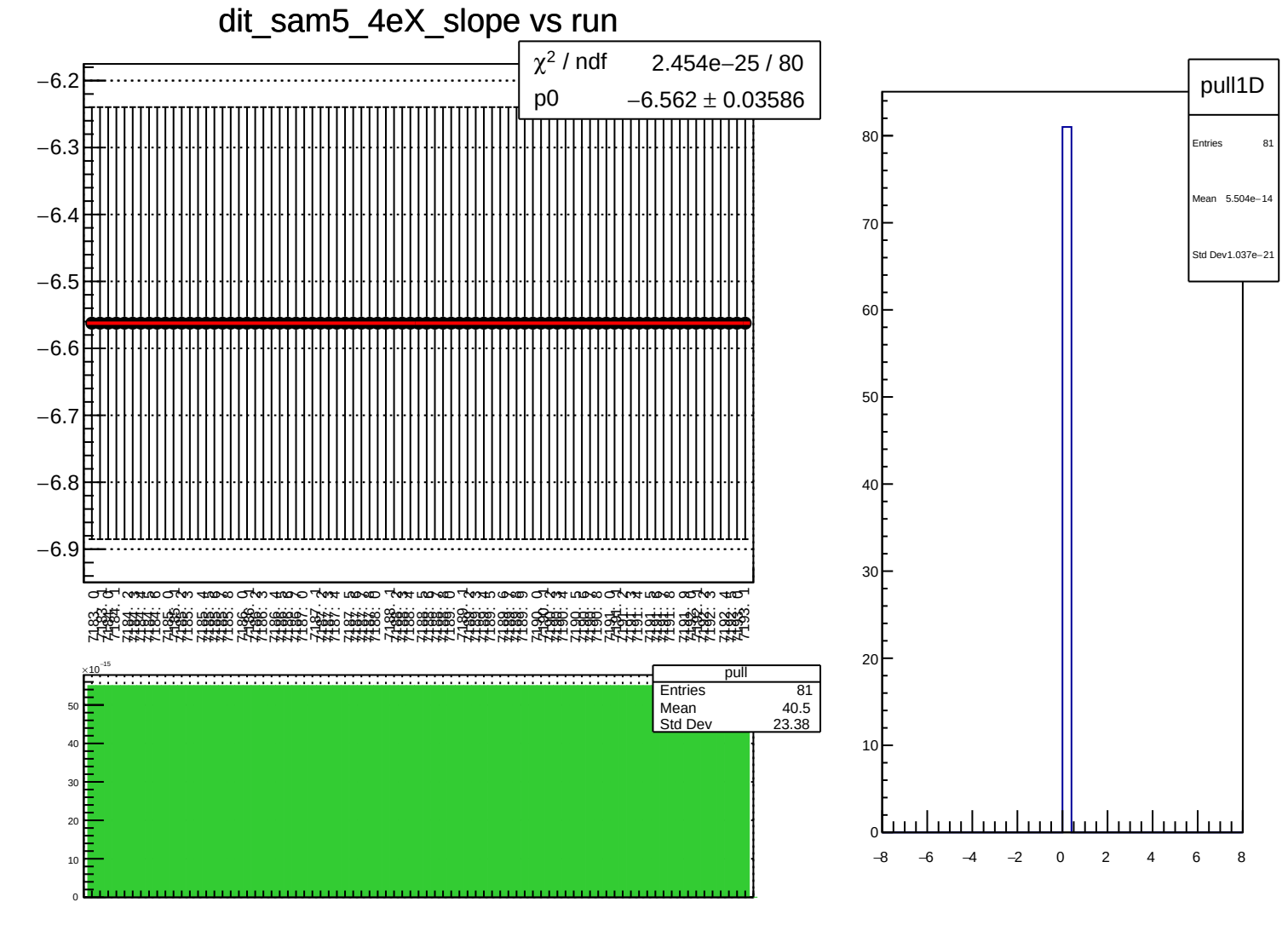

dit_sam4_11X12X_slope vs run
χ² / ndf 2.484e−26 / 80
p0 0.7297 ± 0.00634
0.78
0.76
0.74
0.72
0.7
0.68
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

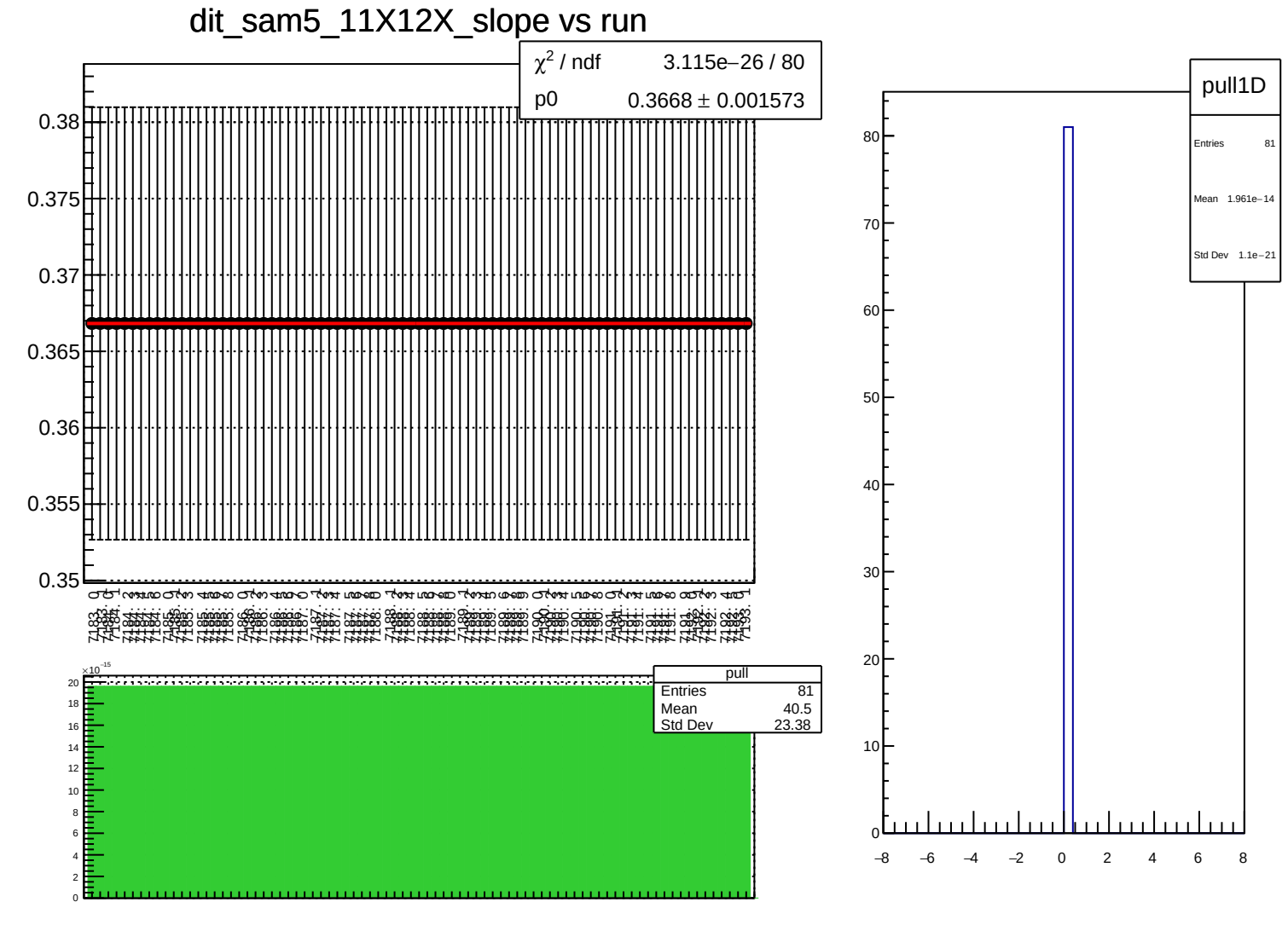

pull1D
Entries 81
Mean 1.751e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

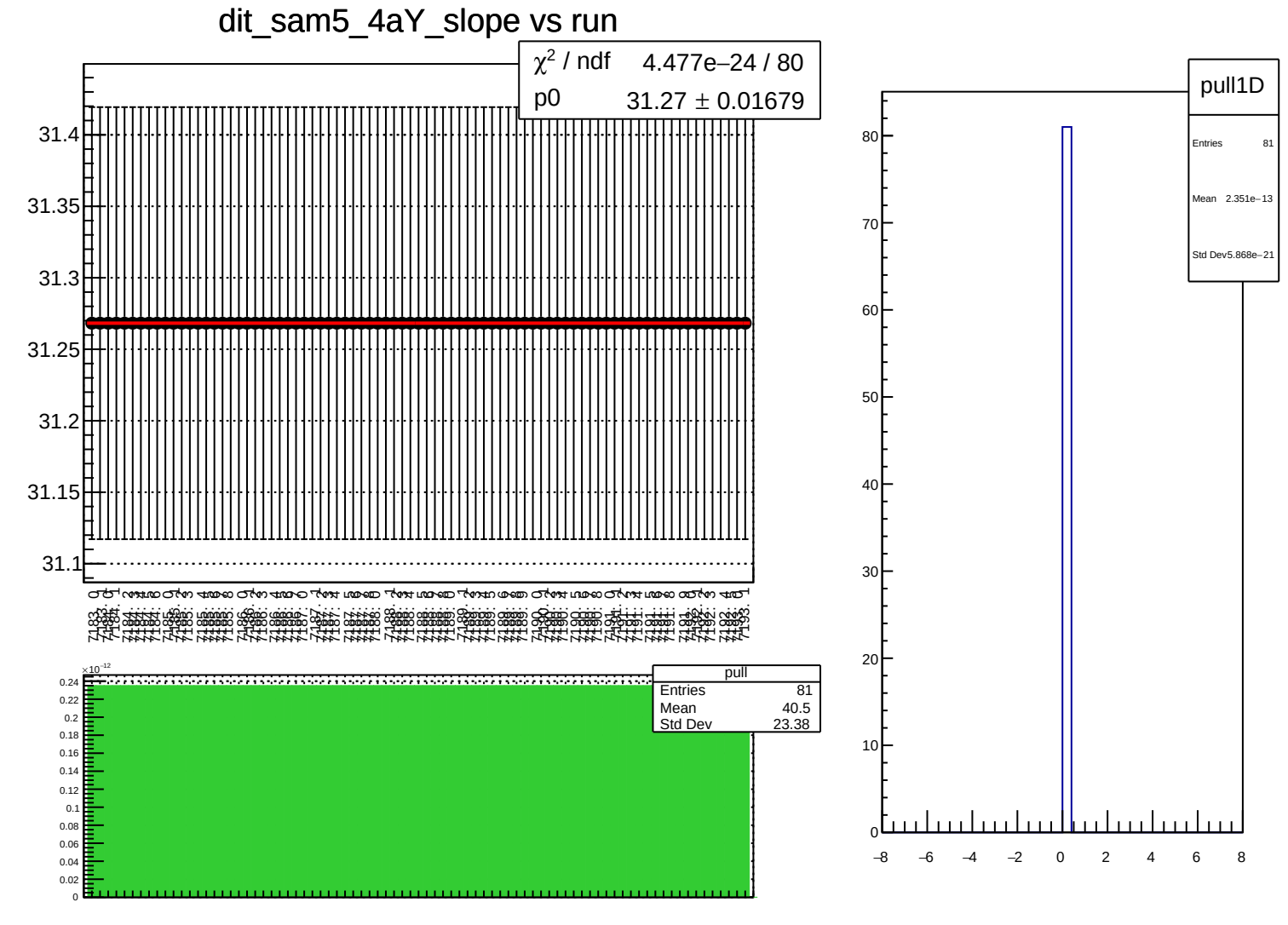

dit_sam4_4aY_slope vs run
χ² / ndf 1.09e−24 / 80
p0 −13.67 ± 0.02553
−13.4
−13.5
−13.6
−13.7
−13.8
−13.9
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.16e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

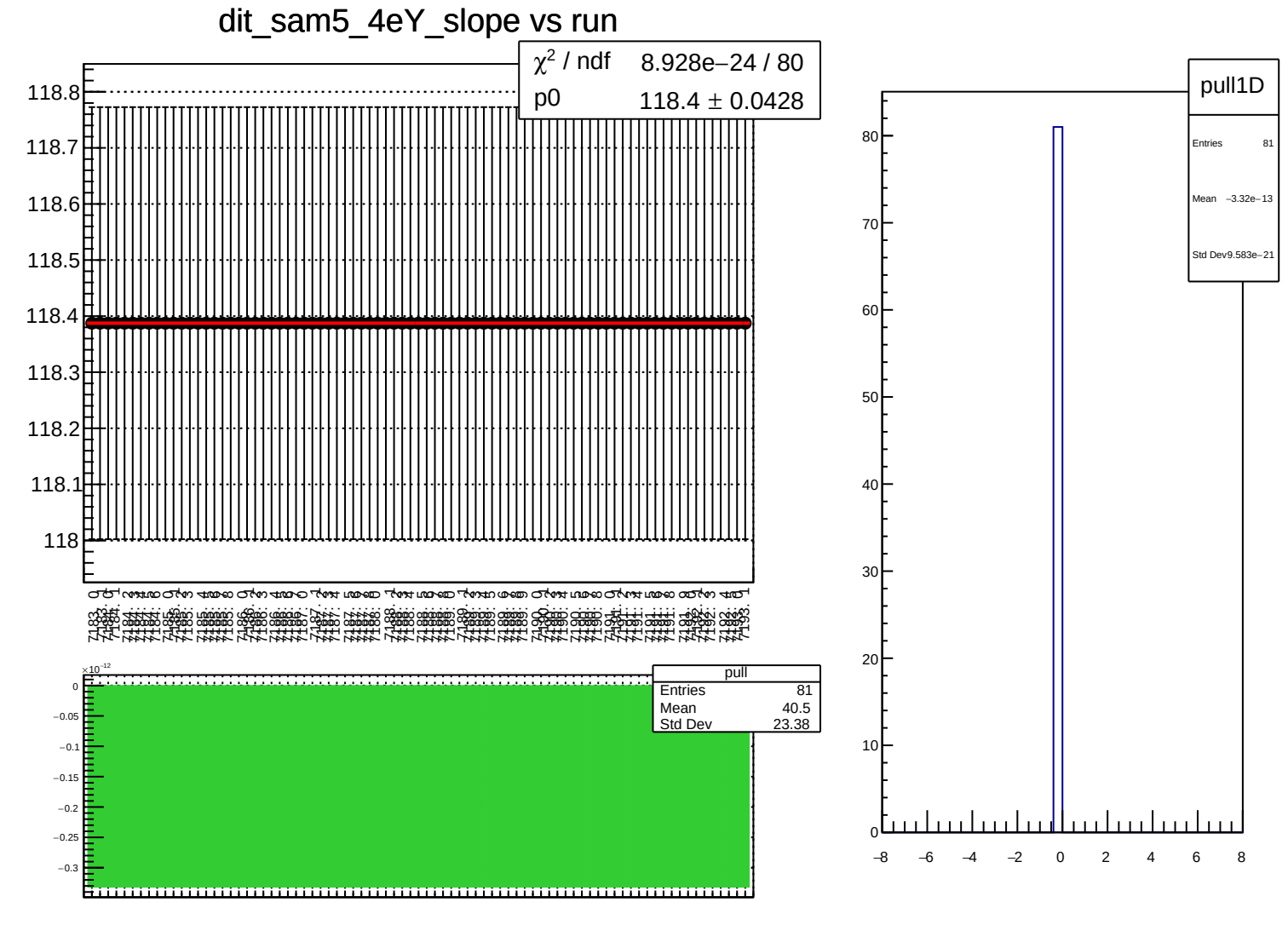

dit_sam4_4eY_slope vs run
χ² / ndf 6.037e−23 / 80
p0 225.8 ± 0.08779
226.6
226.4
226.2
226
225.8
225.6
225.4
225.2
225
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
pull1D
Entries 81
Mean −8.633e−13
Std Dev2.143e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

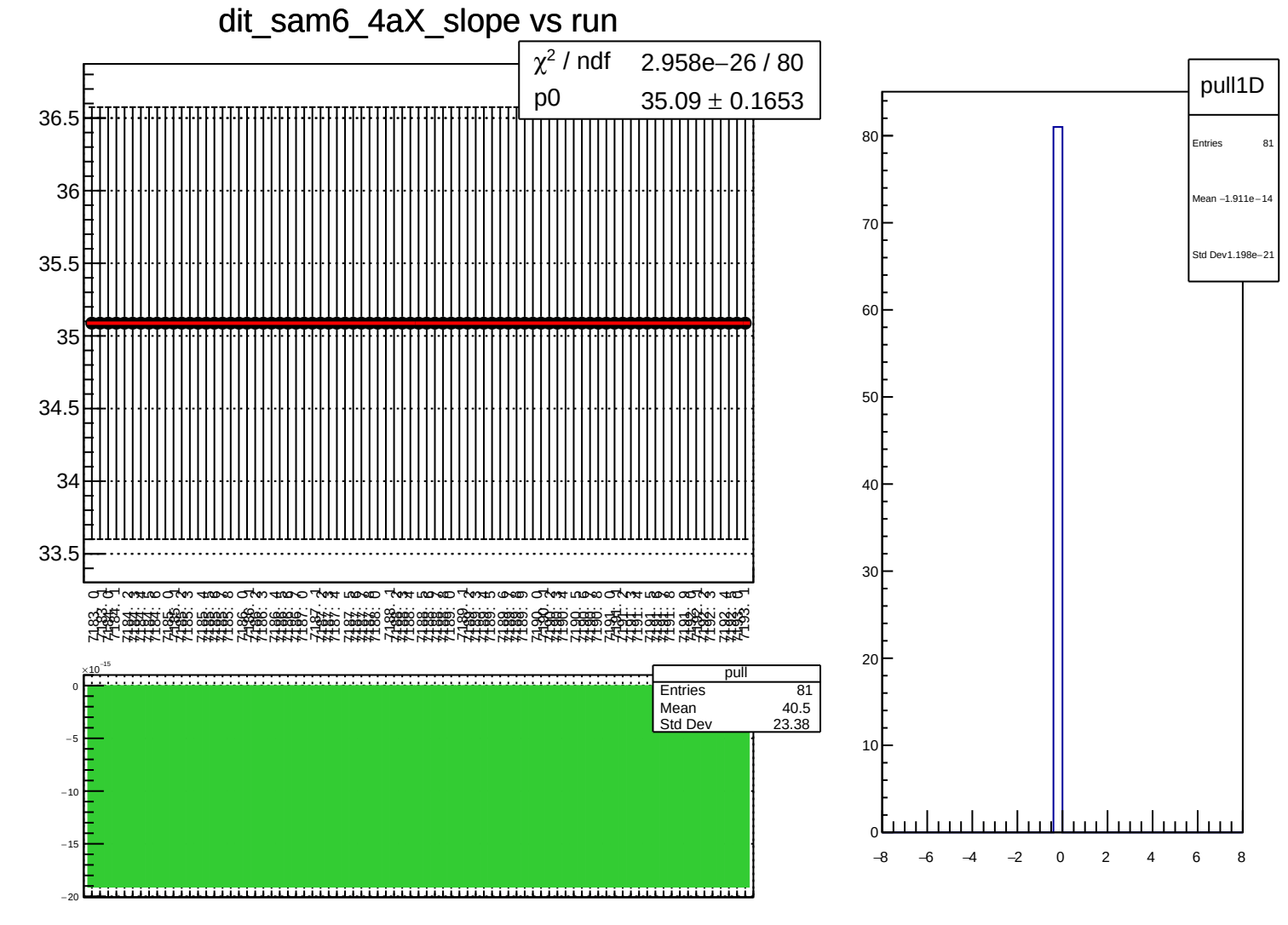

dit_sam5_4aX_slope vs run
χ² / ndf 3.413e−26 / 80
p0 7.125 ± 0.03846
7.5
7.4
7.3
7.2
7.1
7
6.9
6.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 81
Mean 2.053e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

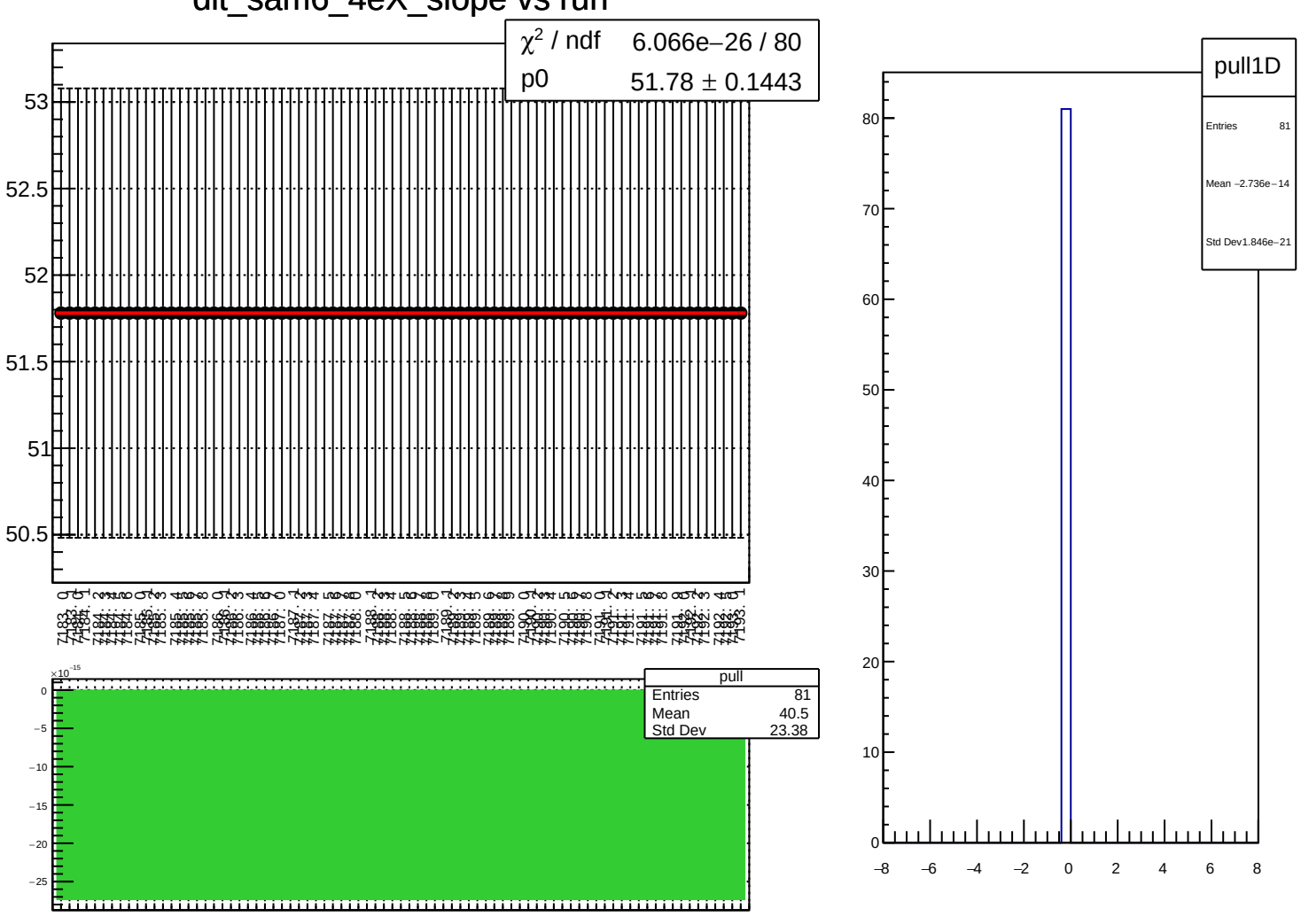

dit_sam5_4eX_slope vs run
χ² / ndf 2.454e−25 / 80
p0 −6.562 ± 0.03586
−6.2
−6.3
−6.4
−6.5
−6.6
−6.7
−6.8
−6.9
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 81
Mean 5.504e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

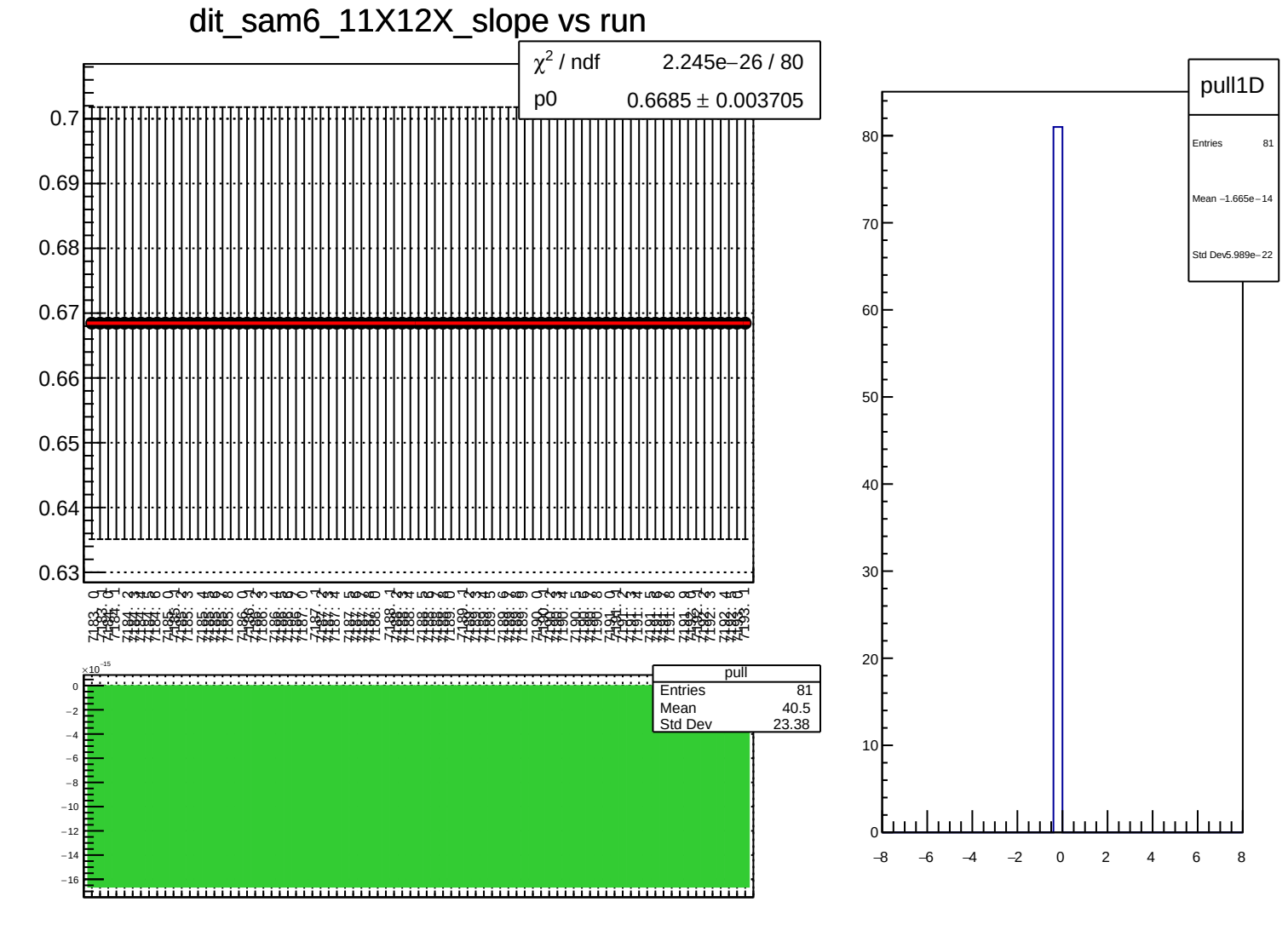

dit_sam5_11X12X_slope vs run
χ² / ndf 3.115e−26 / 80
p0 0.3668 ± 0.001573
0.38
0.375
0.37
0.365
0.36
0.355
0.35
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 1.961e−14
Std Dev 1.1e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

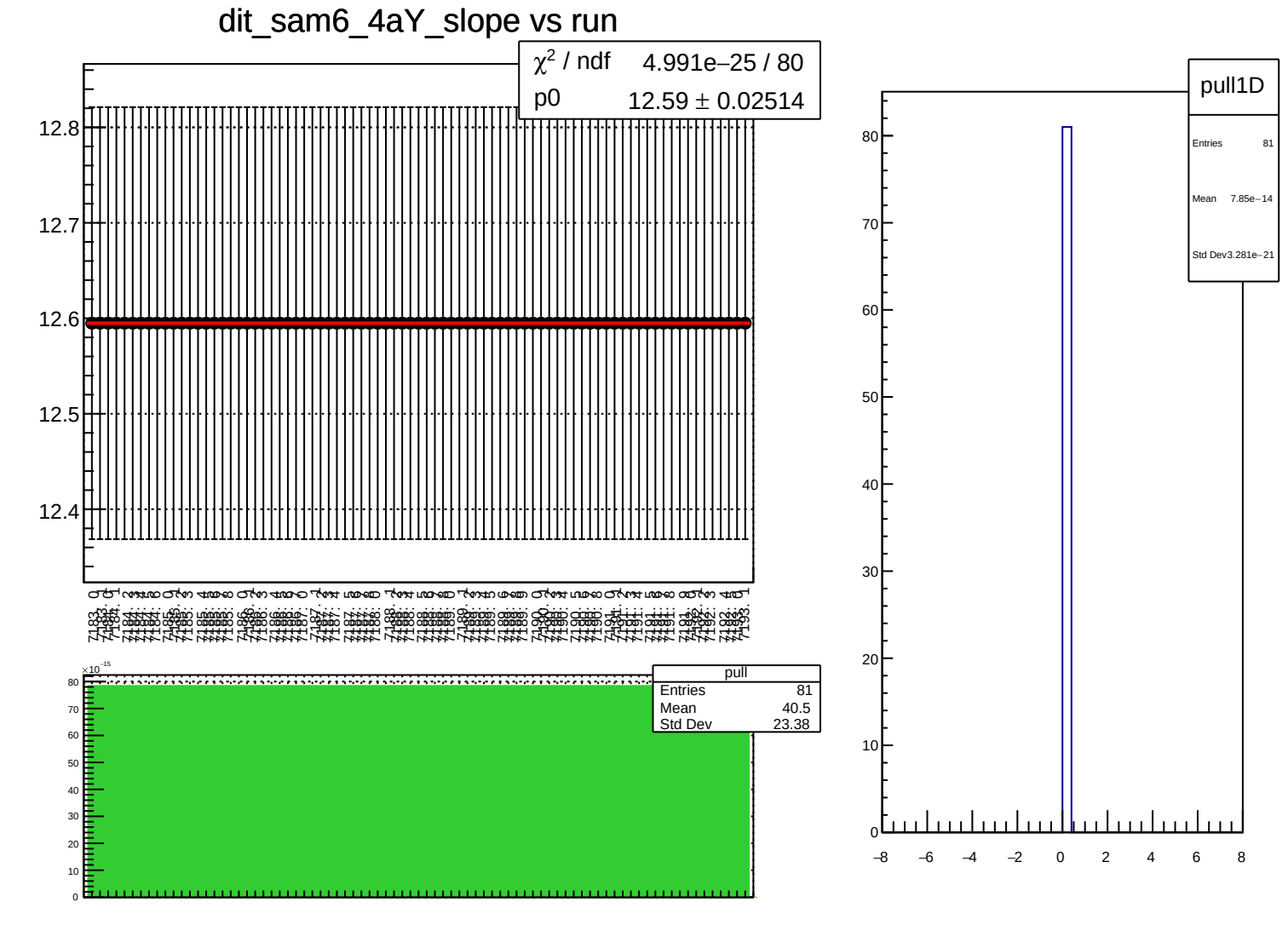

dit_sam5_4aY_slope vs run
χ² / ndf 4.477e−24 / 80
p0 31.27 ± 0.01679
31.4
31.35
31.3
31.25
31.2
31.15
31.1
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
pull1D
Entries 81
Mean 2.351e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

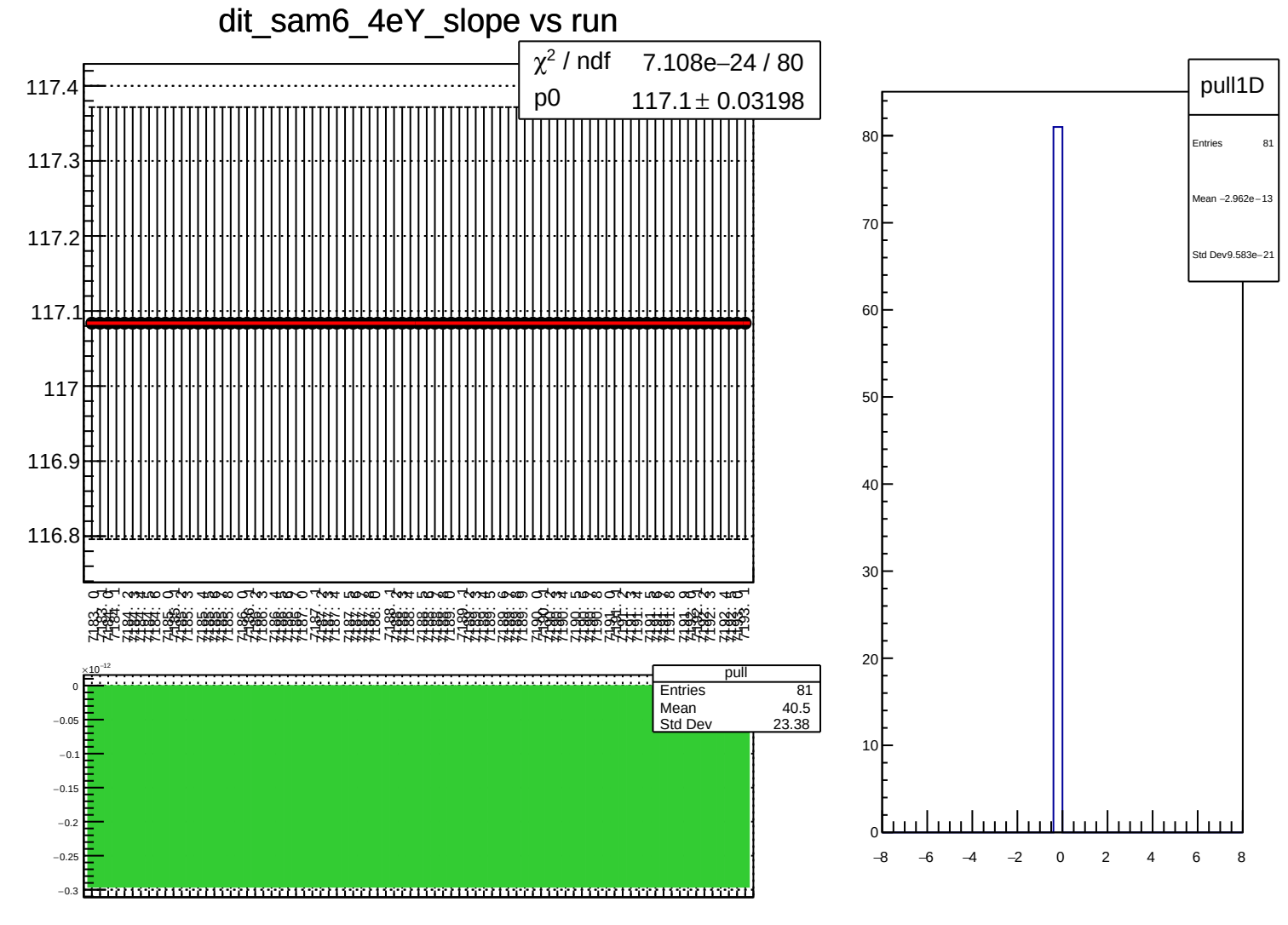

dit_sam5_4eY_slope vs run
χ² / ndf 8.928e−24 / 80
p0 118.4 ± 0.0428
118.8
118.7
118.6
118.5
118.4
118.3
118.2
118.1
118
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 81
Mean −3.32e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

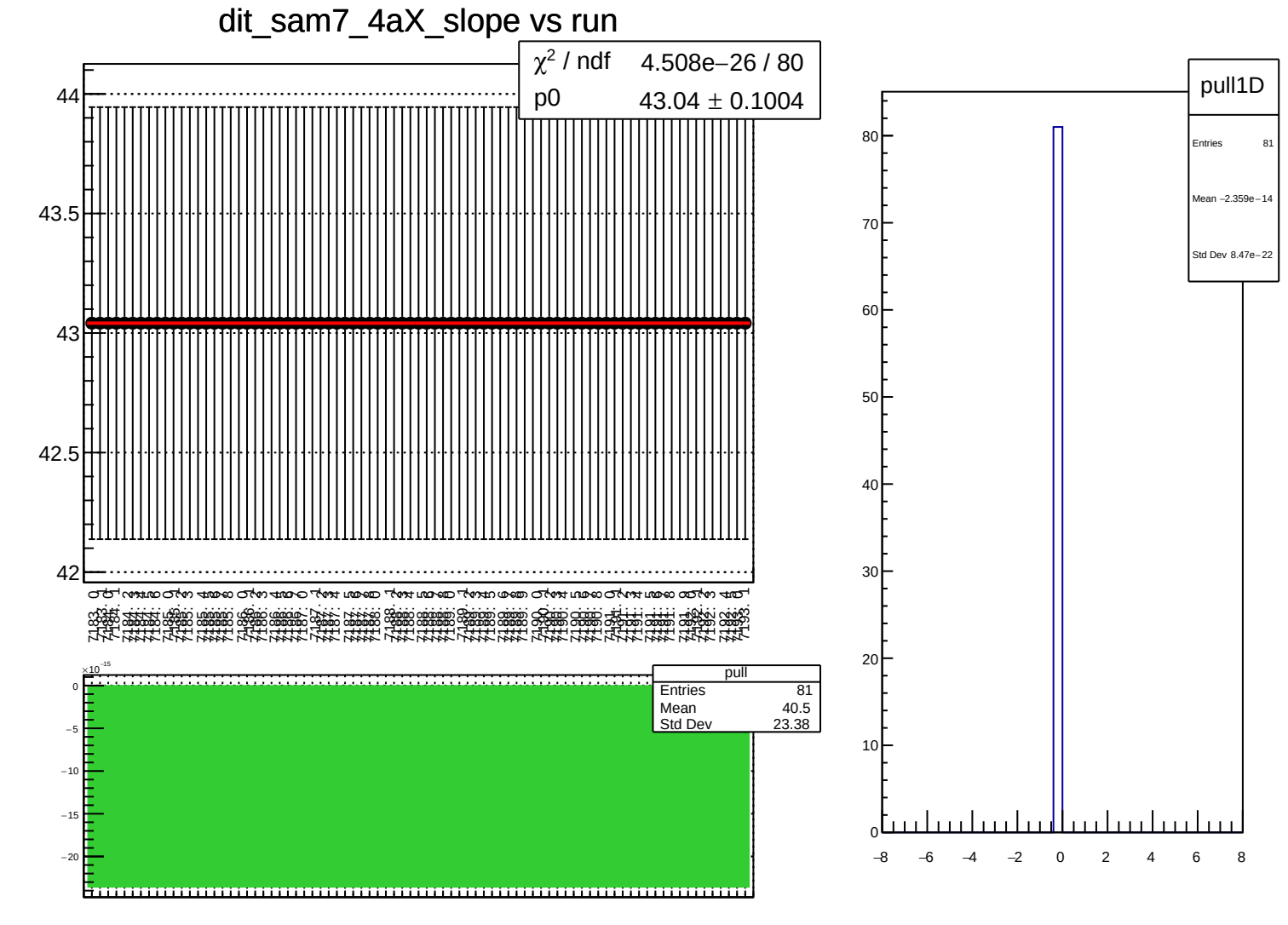

dit_sam6_4aX_slope vs run
χ² / ndf 2.958e−26 / 80
p0 35.09 ± 0.1653
36.5
36
35.5
35
34.5
34
33.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 81
Mean −1.911e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

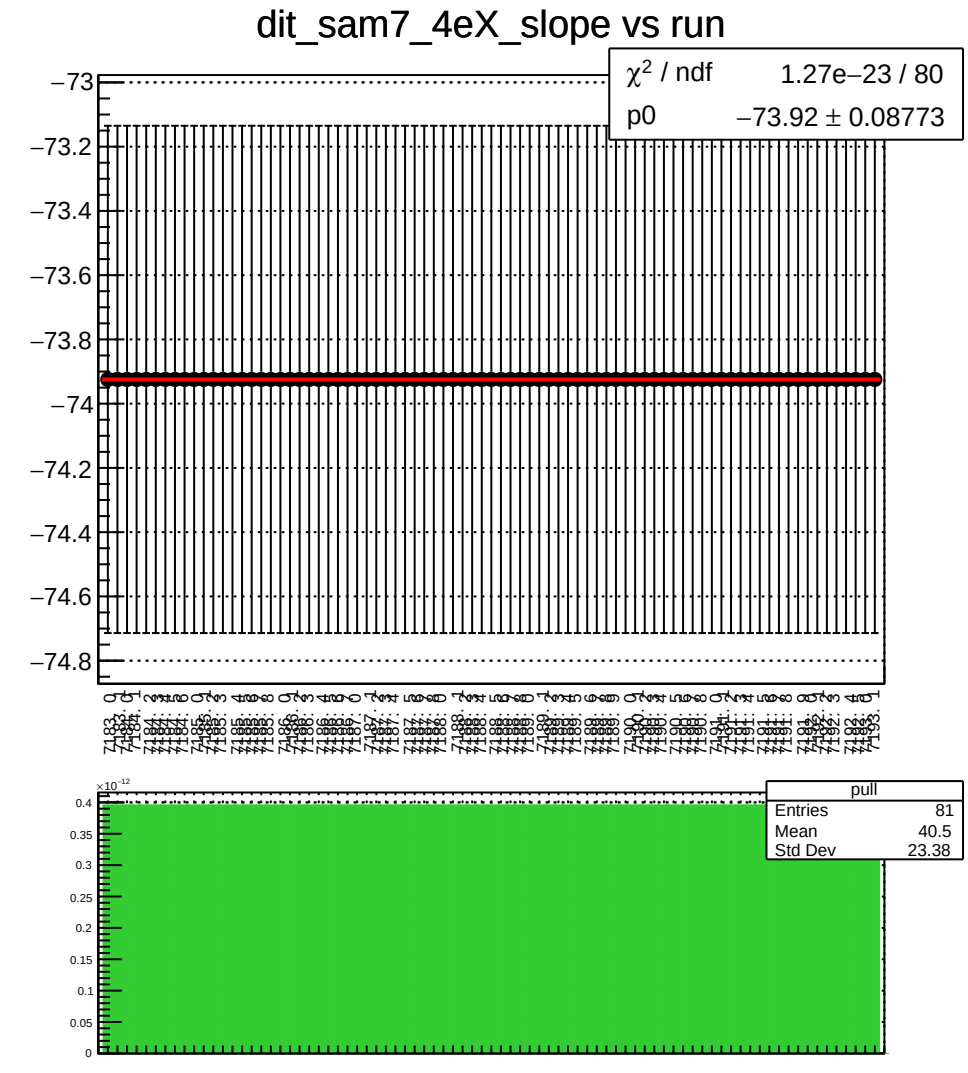

dit_sam6_4eX_slope vs run
χ² / ndf 6.066e−26 / 80
p0 51.78 ± 0.1443
53
52.5
52
51.5
51
50.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 81
Mean −2.736e−14
Std Dev1.846e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

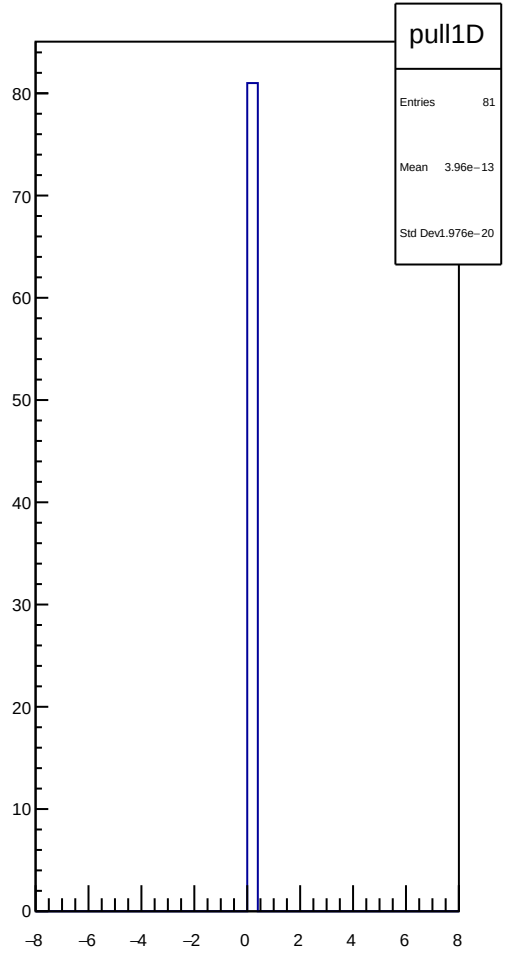

dit_sam6_11X12X_slope vs run
χ² / ndf 2.245e−26 / 80
p0 0.6685 ± 0.003705
0.7
0.69
0.68
0.67
0.66
0.65
0.64
0.63
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 81
Mean −1.665e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

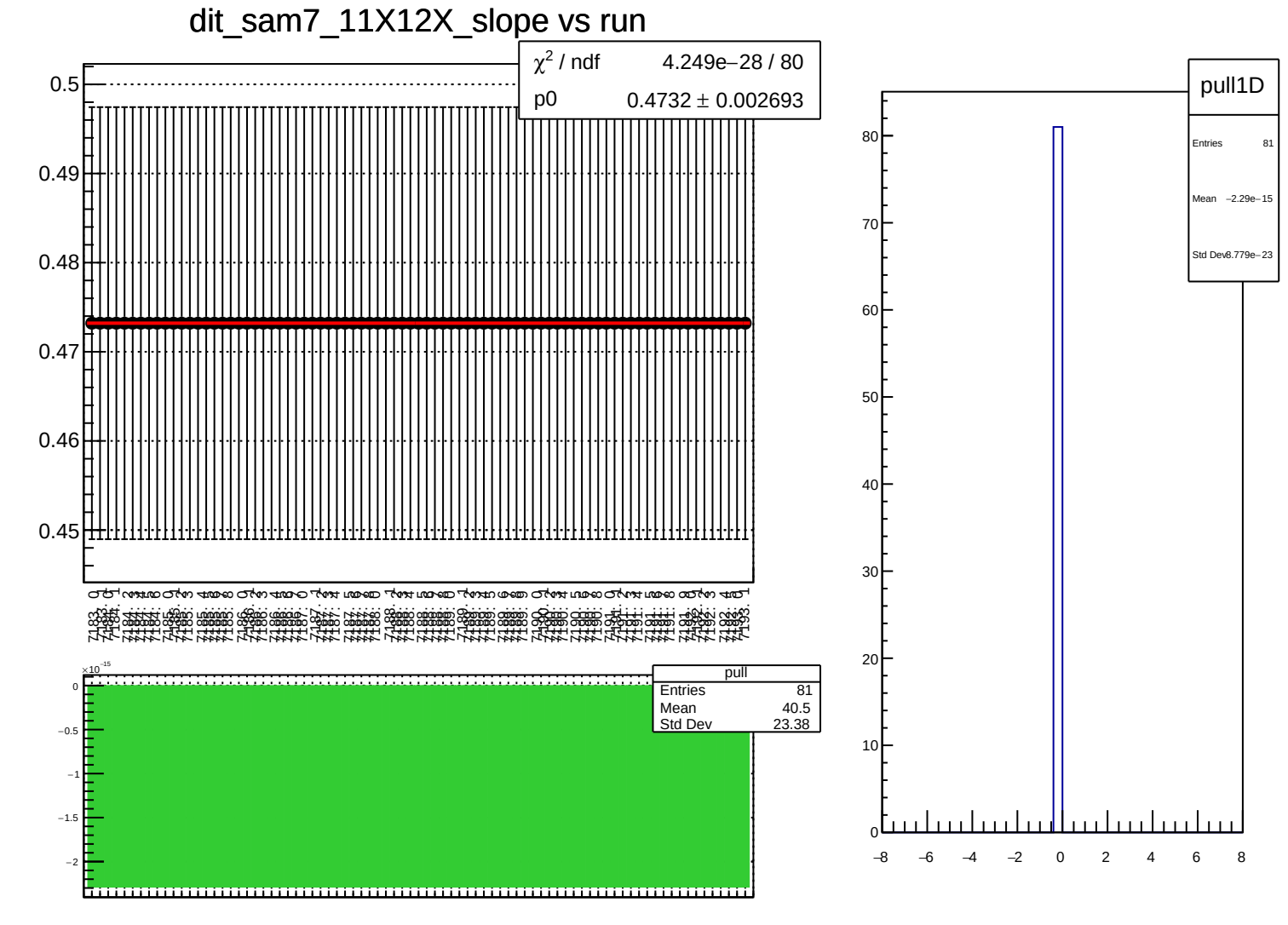

dit_sam6_4aY_slope vs run
χ² / ndf 4.991e−25 / 80
p0 12.59 ± 0.02514
12.8
12.7
12.6
12.5
12.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 7.85e−14
Std Dev3.281e−21

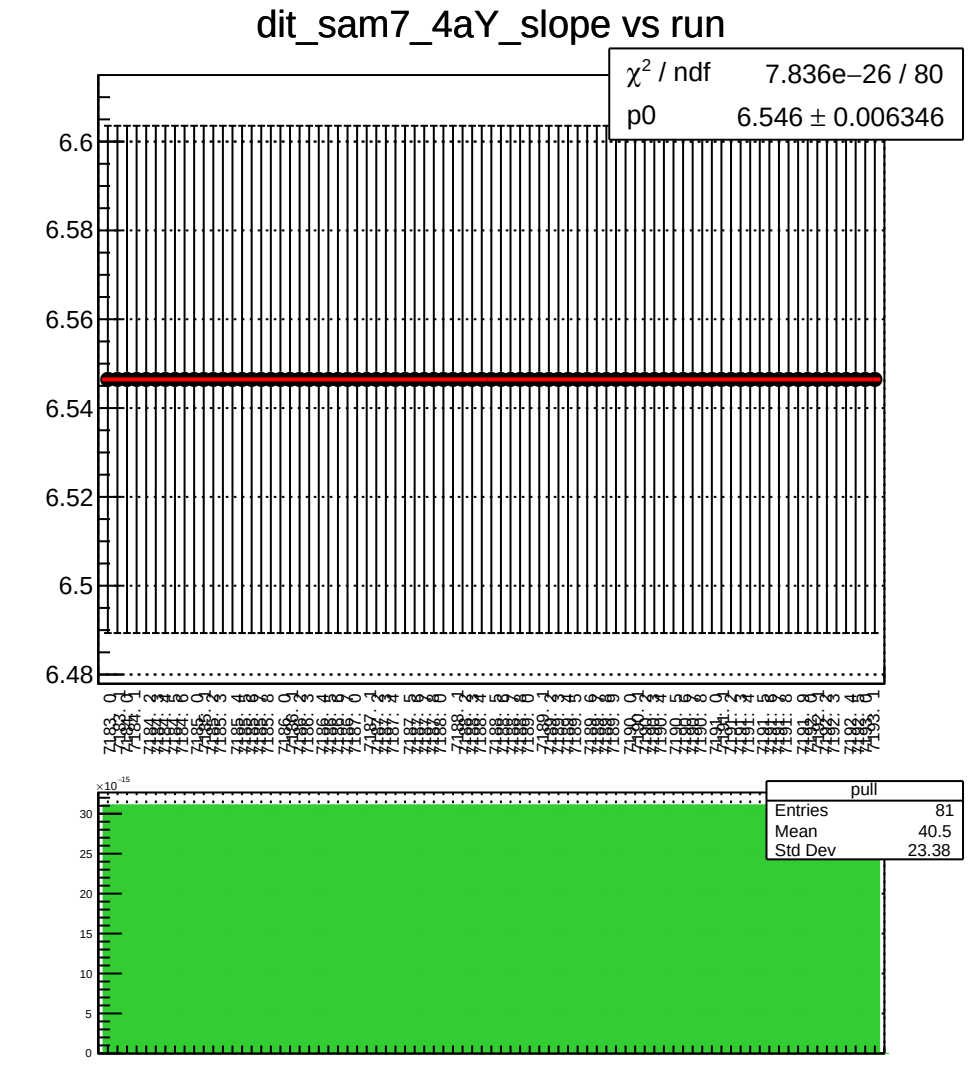

dit_sam6_4eY_slope vs run
$\chi^2$ / ndf 7.108e−24 / 80
p0 117.1 ± 0.03198
117.4
117.3
117.2
117.1
117
116.9
116.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 81
Mean −2.962e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

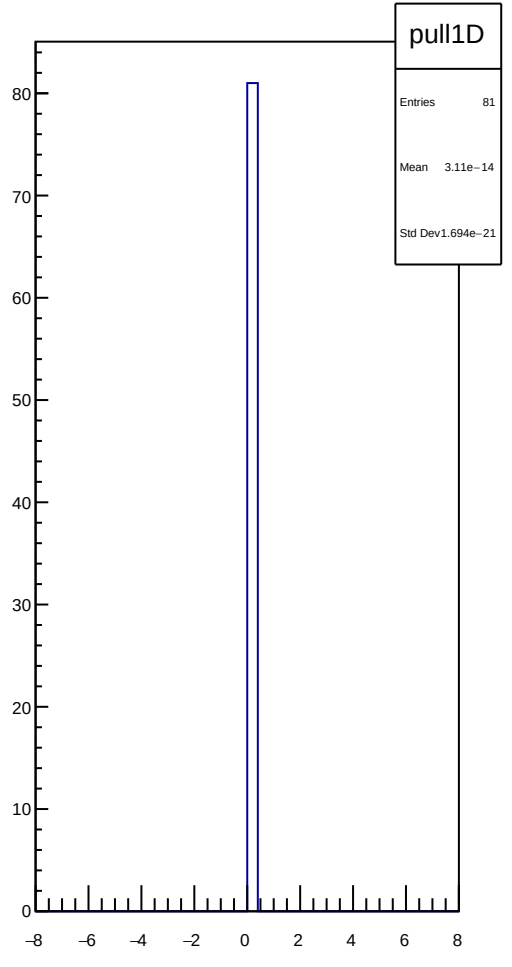

dit_sam7_4aX_slope vs run
χ² / ndf 4.508e−26 / 80
p0 43.04 ± 0.1004
44
43.5
43
42.5
42
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −2.359e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

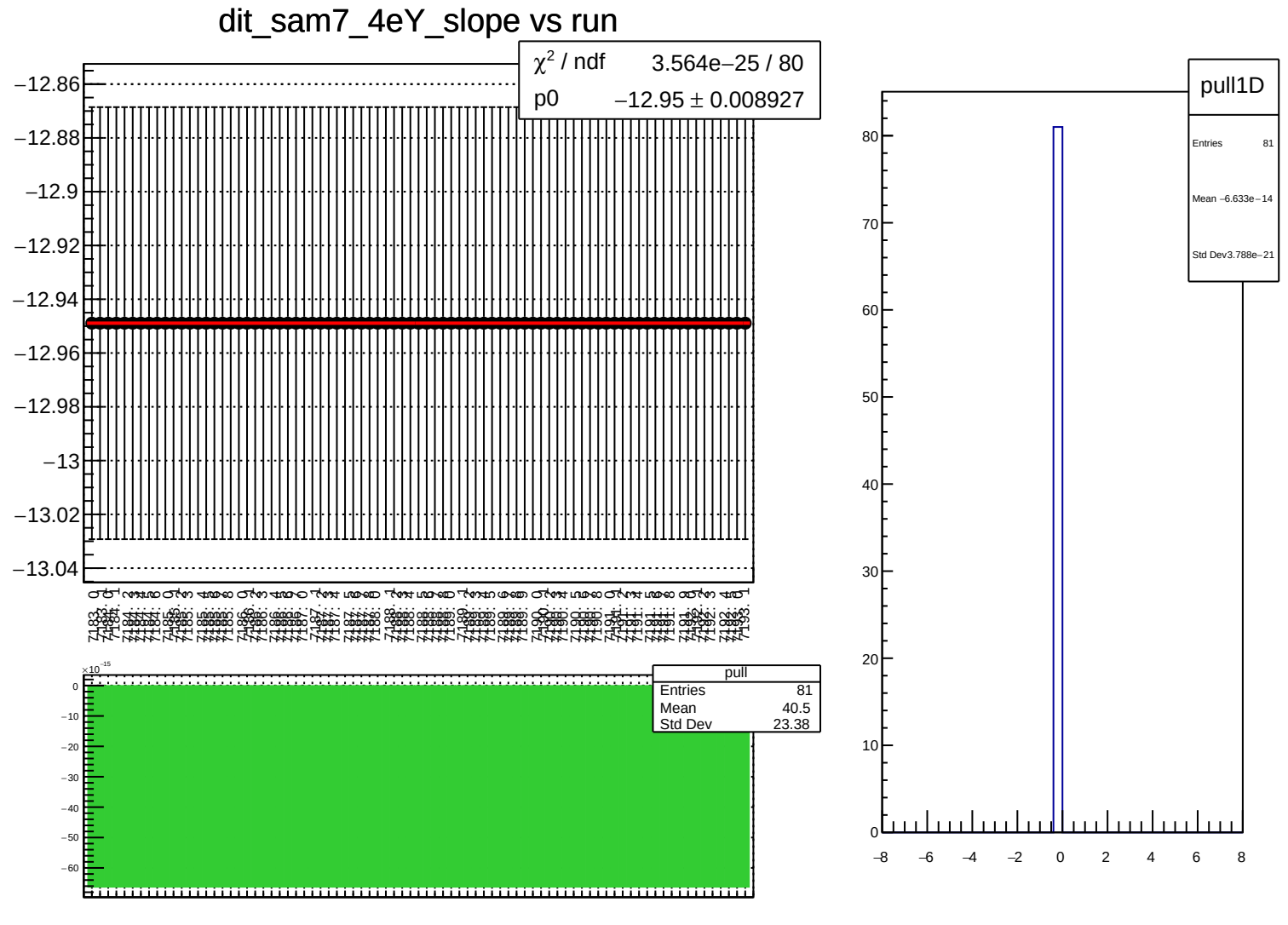

dit_sam7_4eX_slope vs run
χ² / ndf 1.27e−23 / 80
p0 −73.92 ± 0.08773
−73
−73.2
−73.4
−73.6
−73.8
−74
−74.2
−74.4
−74.6
−74.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

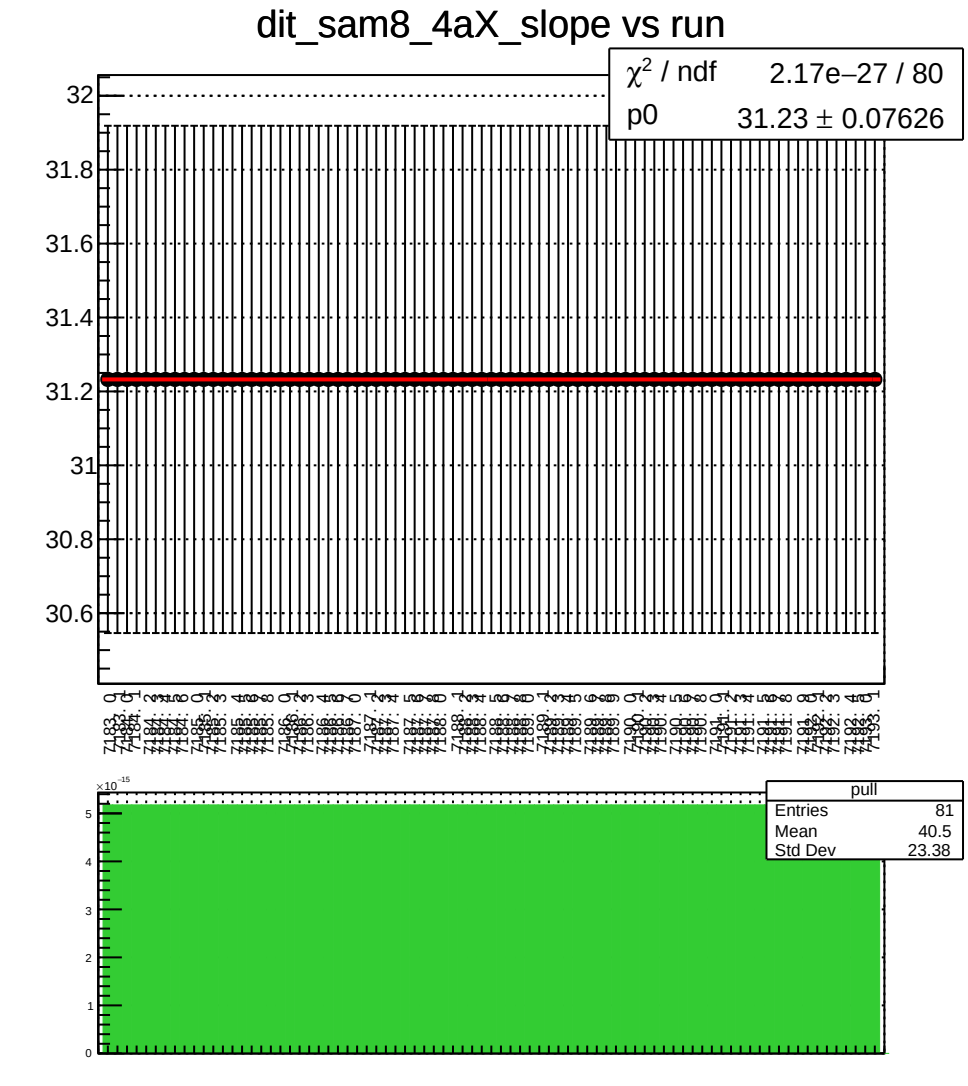

pull1D
Entries 81
Mean 3.96e−13
Std Dev 1.976e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

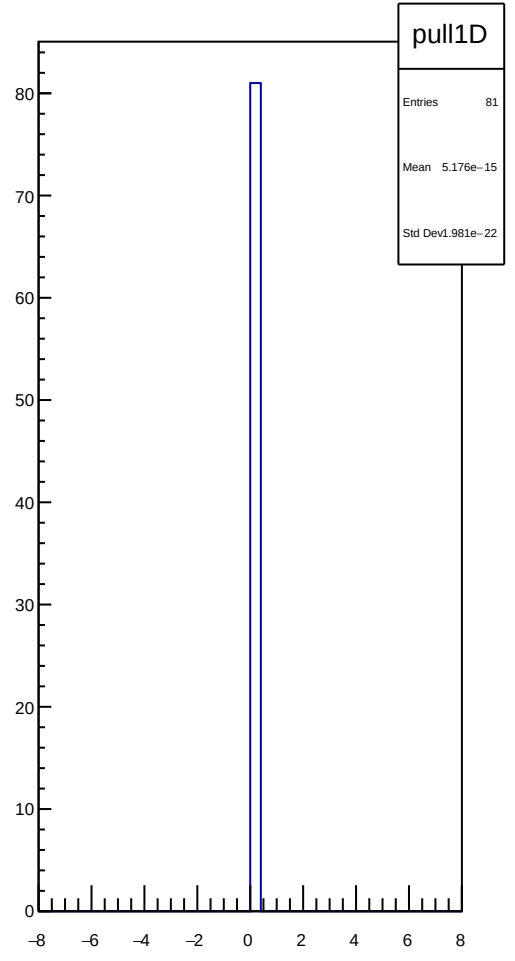

dit_sam7_11X12X_slope vs run
χ² / ndf 4.249e−28 / 80
p0 0.4732 ± 0.002693
0.5
0.49
0.48
0.47
0.46
0.45
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −2.29e−15
Std Dev 8.779e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

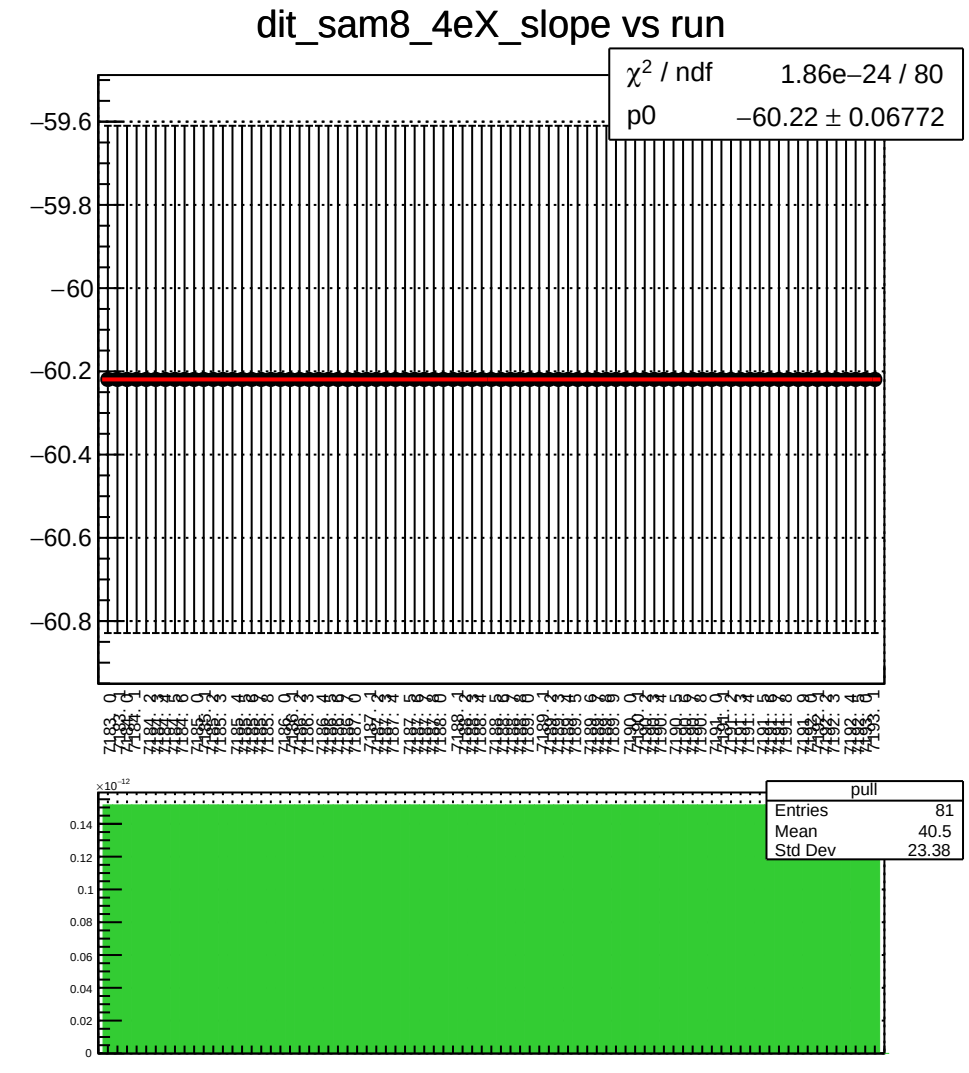

dit_sam7_4aY_slope vs run
χ² / ndf 7.836e−26 / 80
p0 6.546 ± 0.006346
6.6
6.58
6.56
6.54
6.52
6.5
6.48
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
30
25
20
15
10
5
0

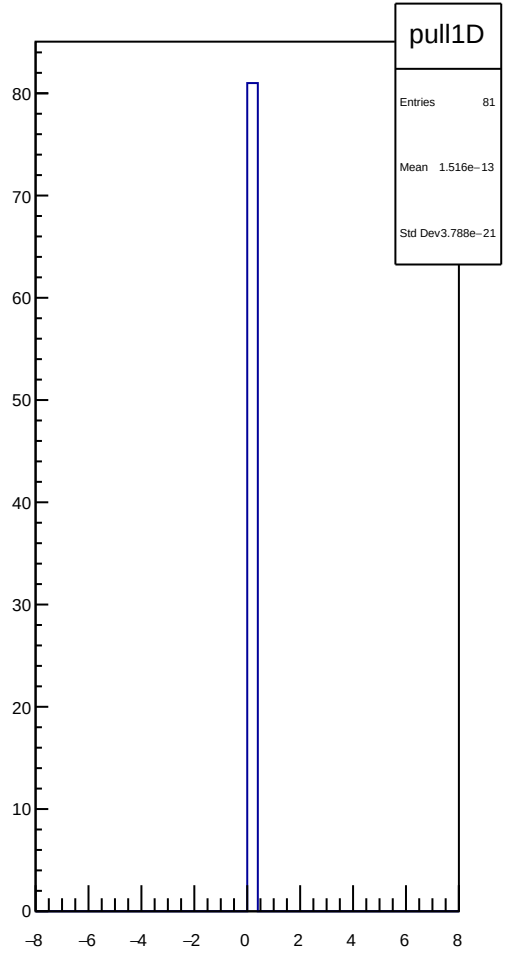

pull1D
Entries 81
Mean 3.11e−14
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

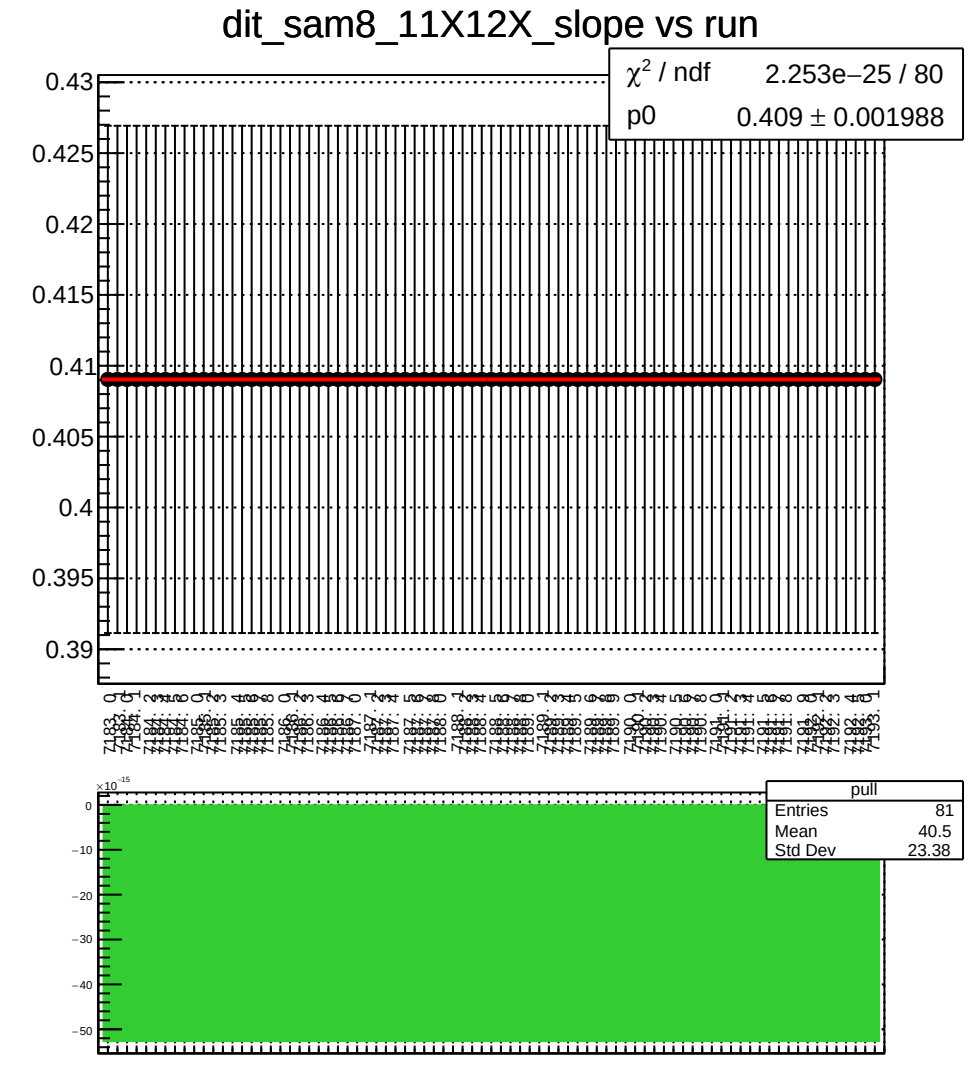

dit_sam7_4eY_slope vs run
χ² / ndf 3.564e−25 / 80
p0 −12.95 ± 0.008927
−12.86
−12.88
−12.9
−12.92
−12.94
−12.96
−12.98
−13
−13.02
−13.04
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 81
Mean −6.633e−14
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

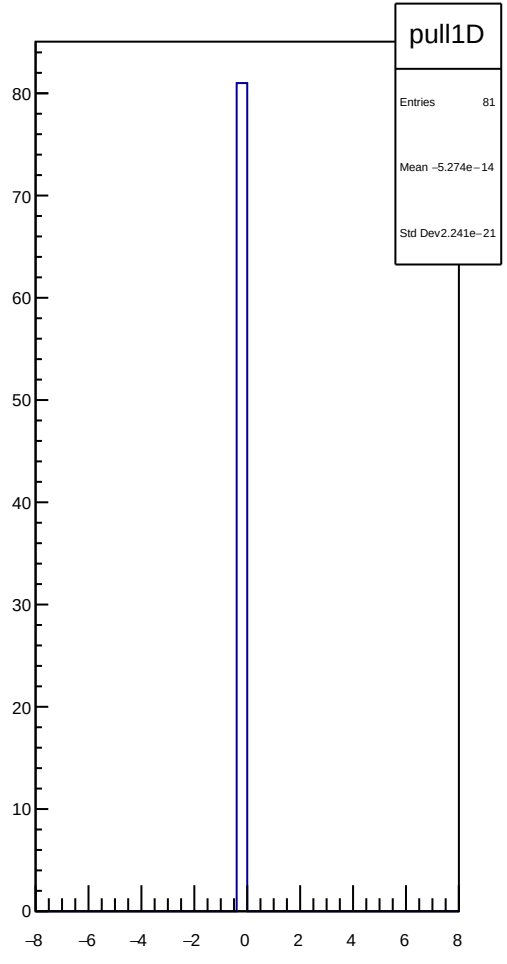

dit_sam8_4aX_slope vs run
χ² / ndf 2.17e−27 / 80
p0 31.23 ± 0.07626
32
31.8
31.6
31.4
31.2
31
30.8
30.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
5
4
3
2
1
0

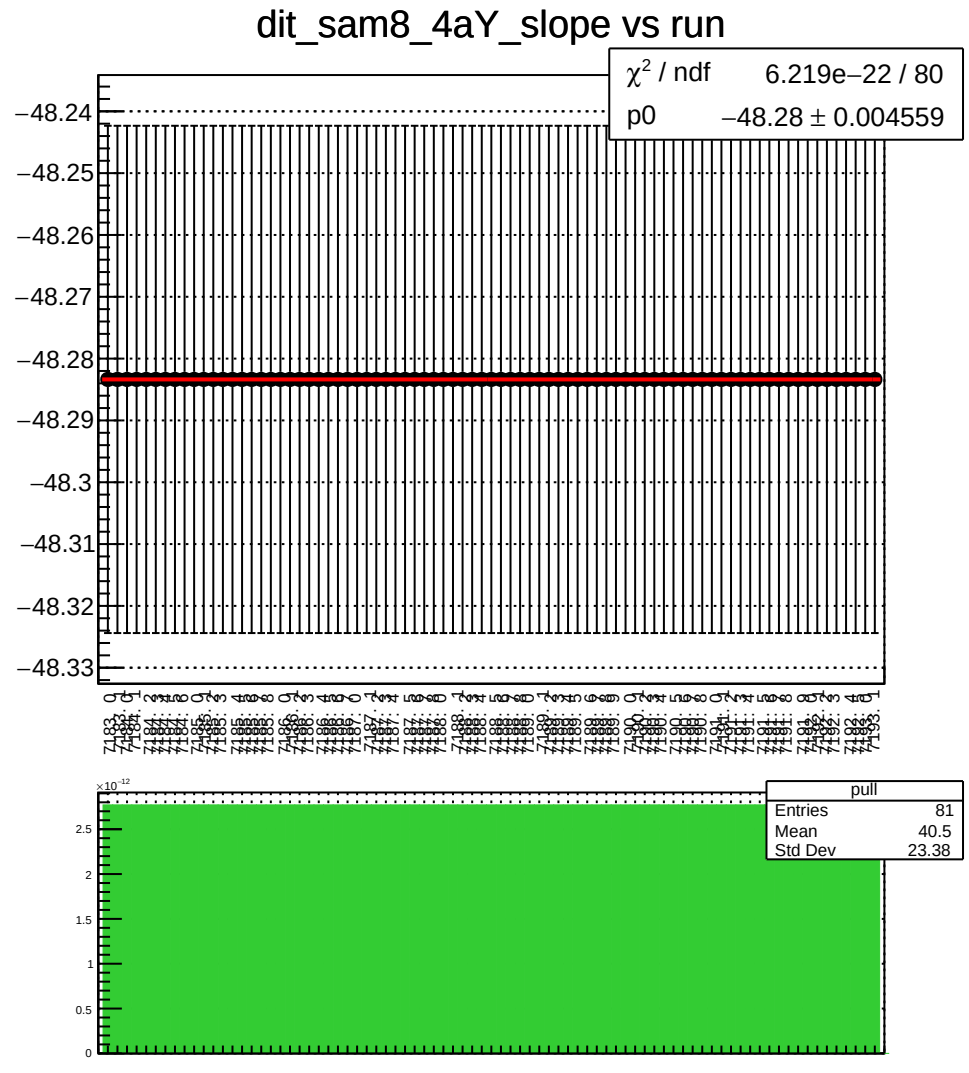

pull1D
Entries 81
Mean 5.176e−15
Std Dev1.981e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

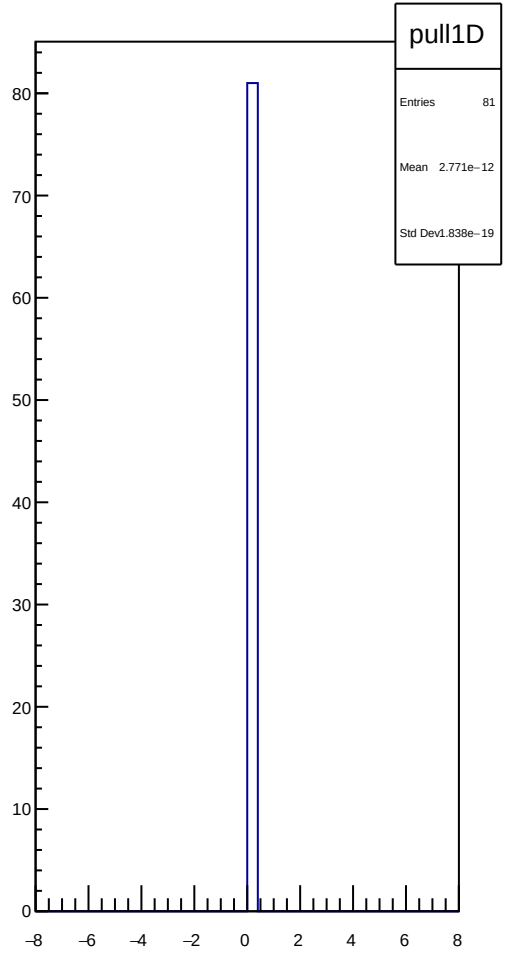

dit_sam8_4eX_slope vs run
χ² / ndf 1.86e−24 / 80
p0 −60.22 ± 0.06772
−59.6
−59.8
−60
−60.2
−60.4
−60.6
−60.8
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 81
Mean 40.5
Std Dev 23.38

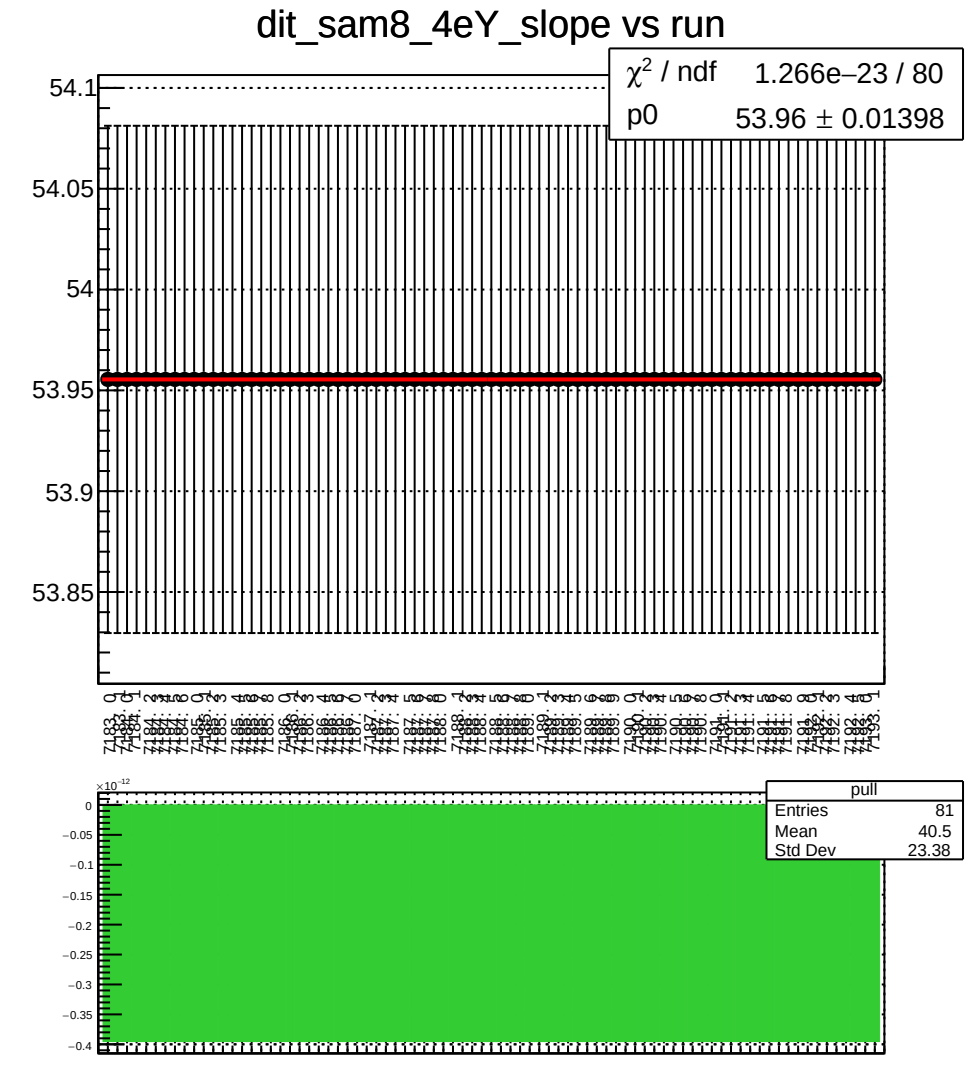

pull1D
Entries 81
Mean 1.516e−13
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

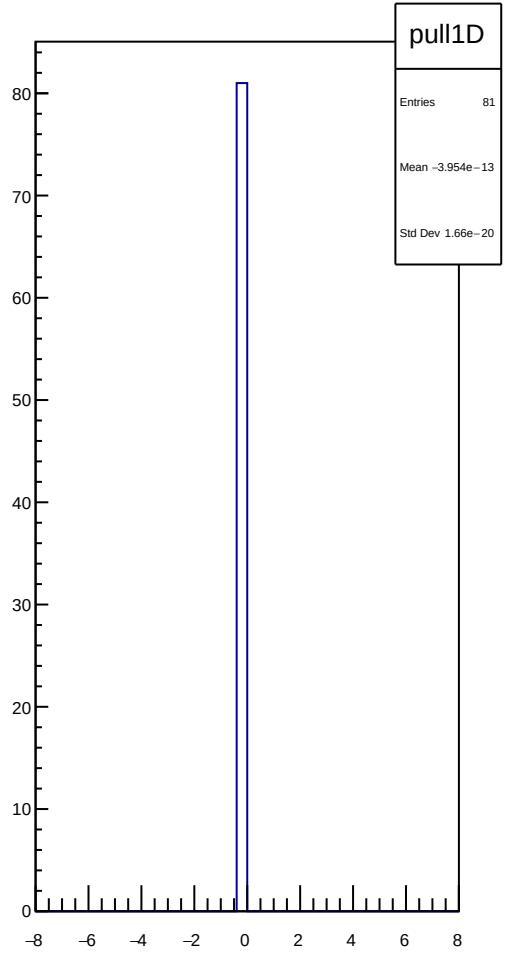

dit_sam8_11X12X_slope vs run
χ² / ndf 2.253e−25 / 80
p0 0.409 ± 0.001988
pull
Entries 81
Mean 40.5
Std Dev 23.38

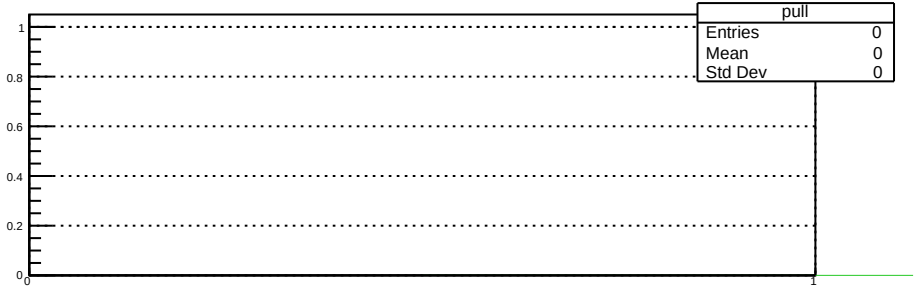

pull1D
Entries 81
Mean −5.274e−14
Std Dev2.241e−21

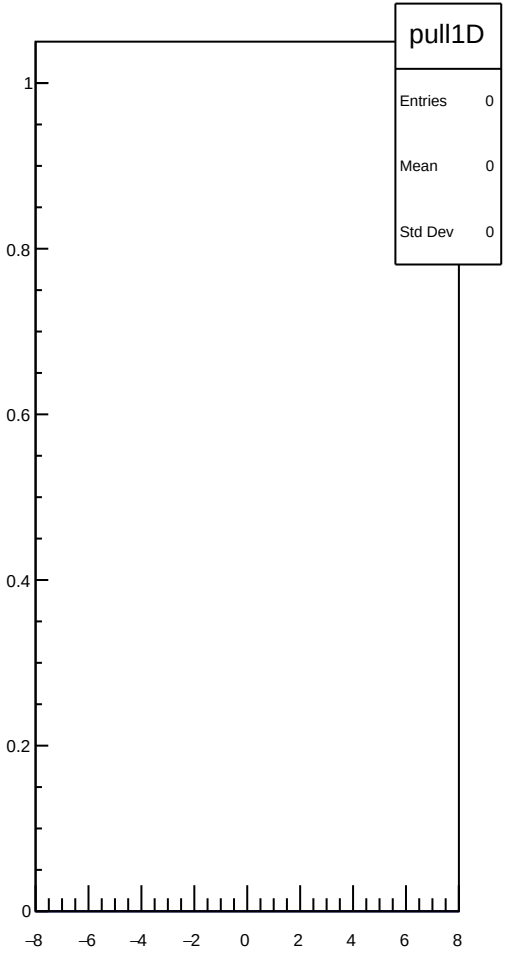

dit_sam8_4aY_slope vs run
χ² / ndf 6.219e−22 / 80
p0 −48.28 ± 0.004559
−48.24
−48.25
−48.26
−48.27
−48.28
−48.29
−48.3
−48.31
−48.32
−48.33
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
2.5
2
1.5
1
0.5
0

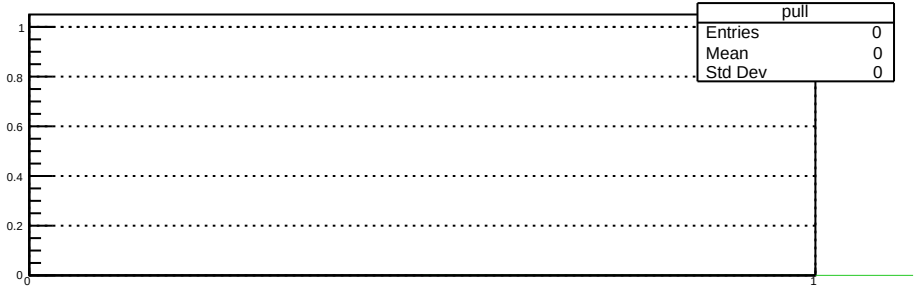

pull1D
Entries 81
Mean 2.771e−12
Std Dev1.838e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

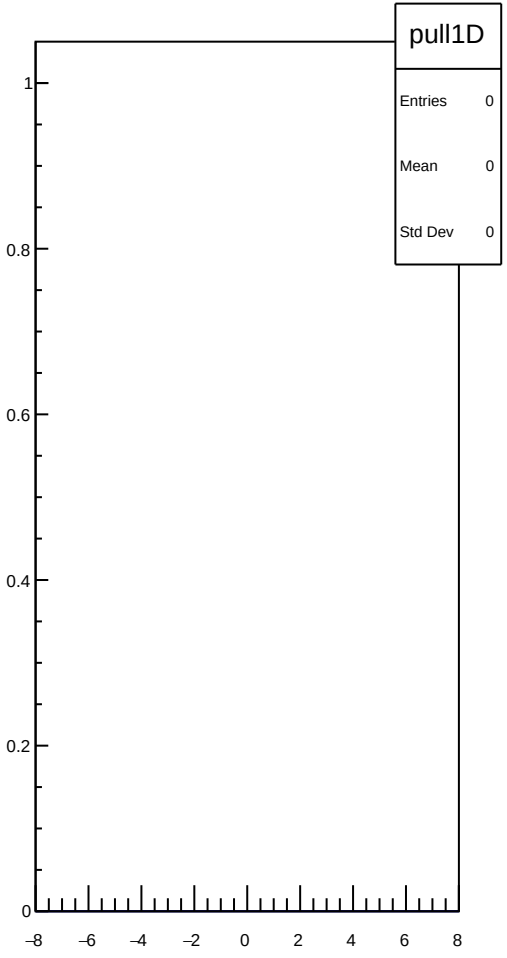

dit_sam8_4eY_slope vs run
χ² / ndf 1.266e−23 / 80
p0 53.96 ± 0.01398
54.1
54.05
54
53.95
53.9
53.85
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

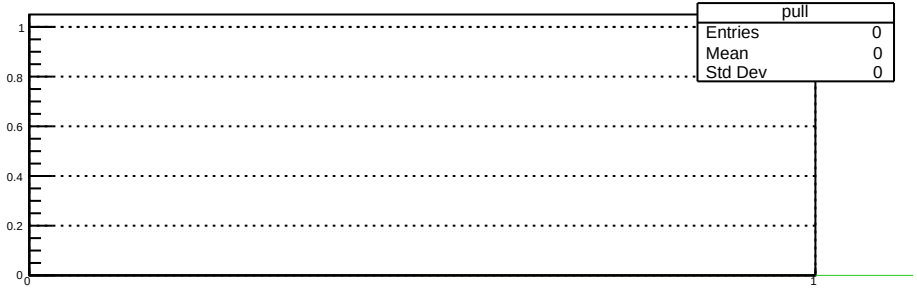

pull1D
Entries 81
Mean −3.954e−13
Std Dev 1.66e−20
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70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

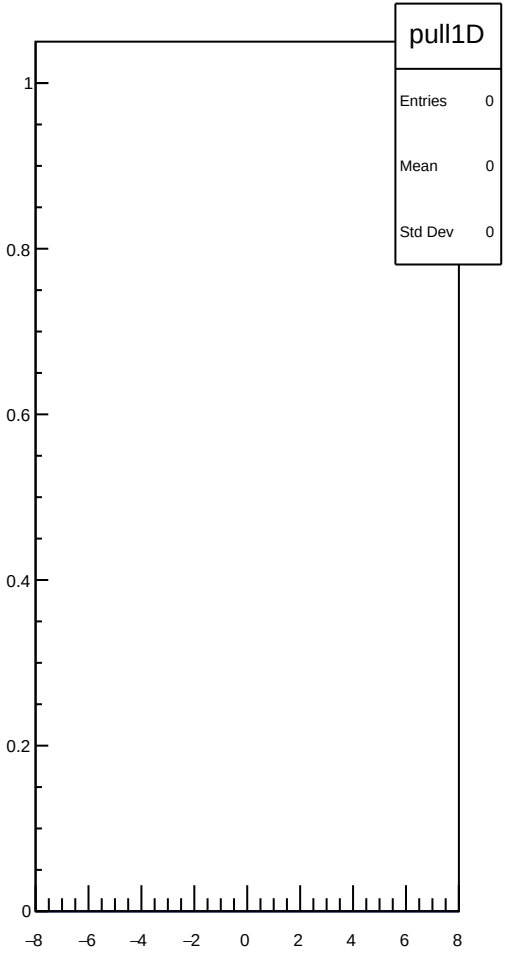

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
1

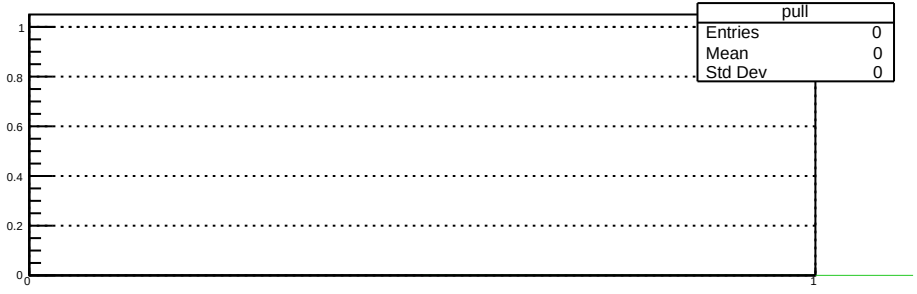

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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–6
–4
–2
0
2
4
6
8

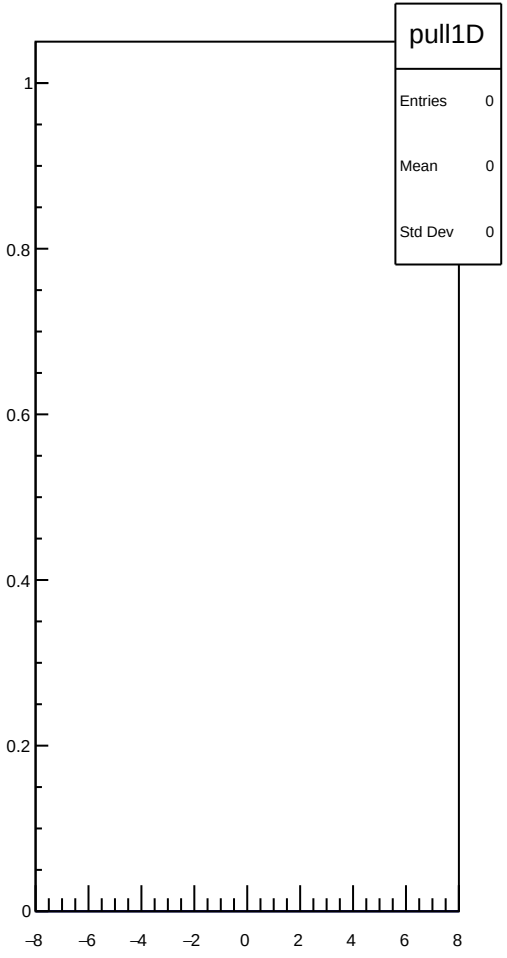

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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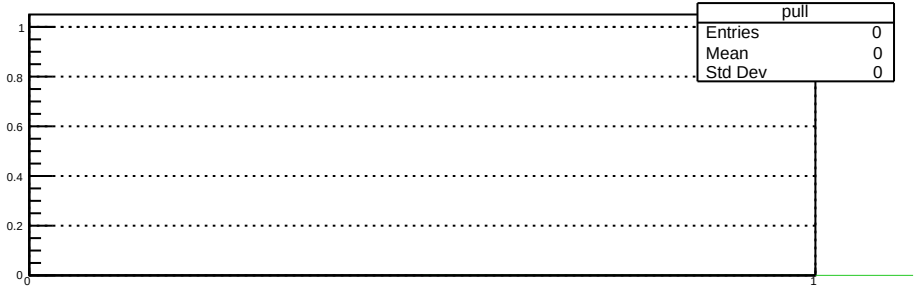

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

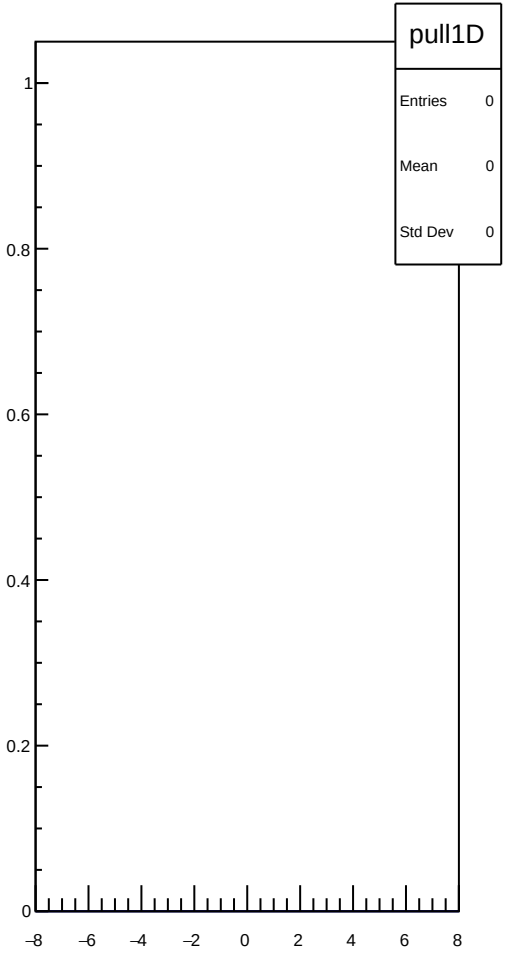

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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0
1

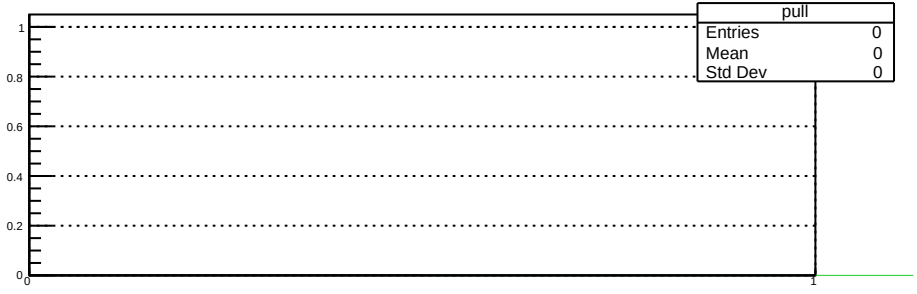

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

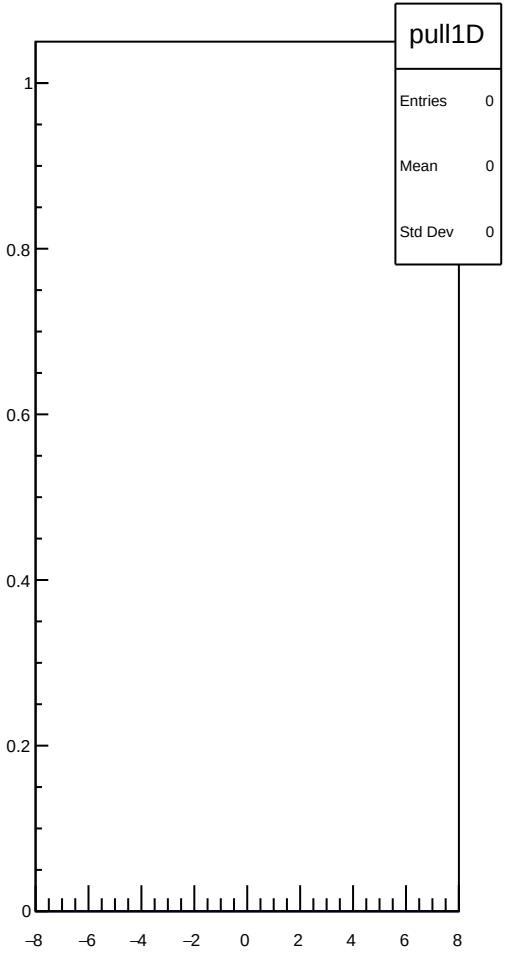

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
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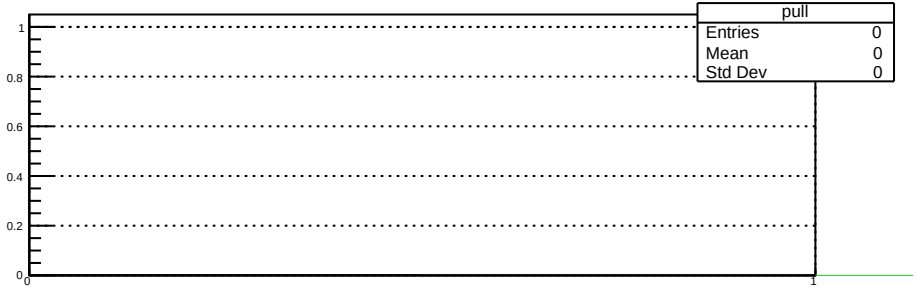

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
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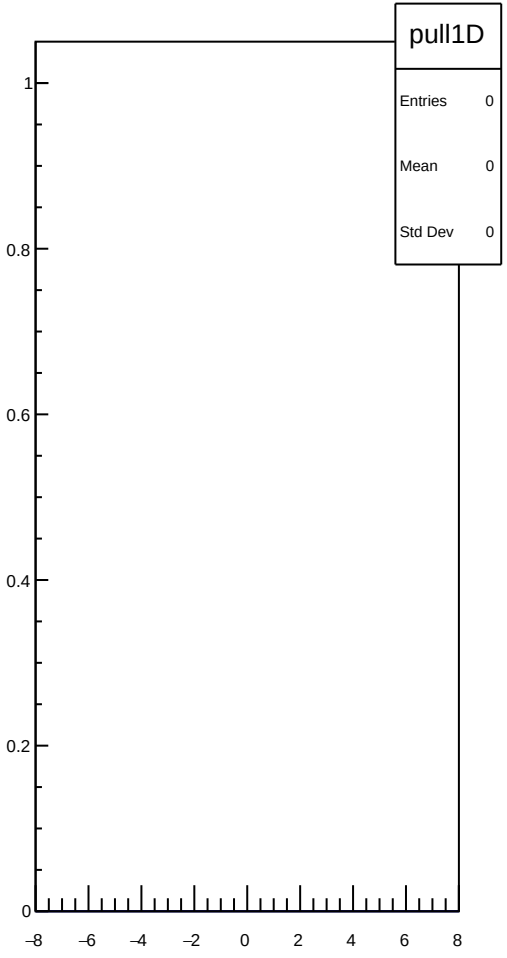

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
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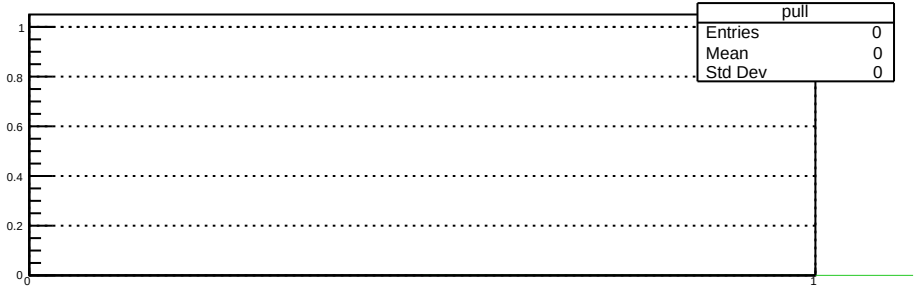

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

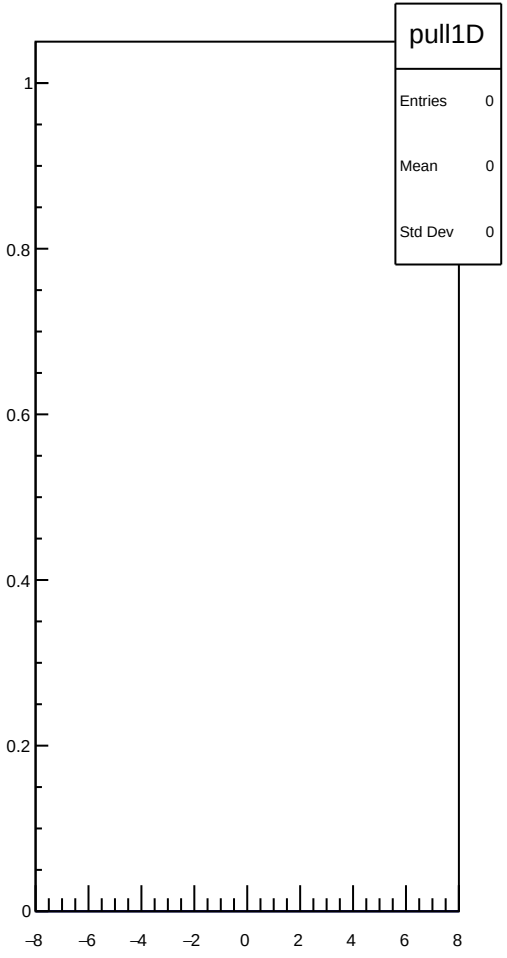

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

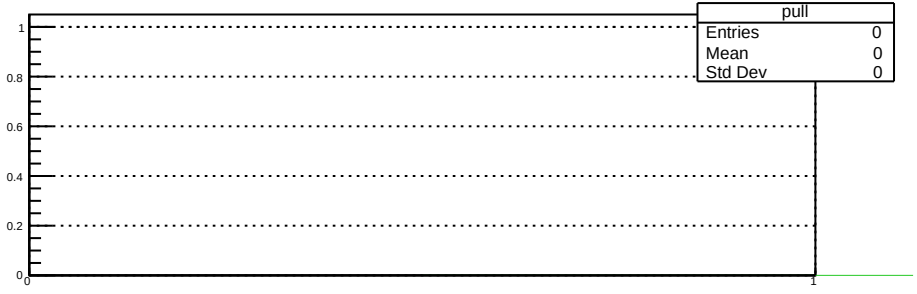

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

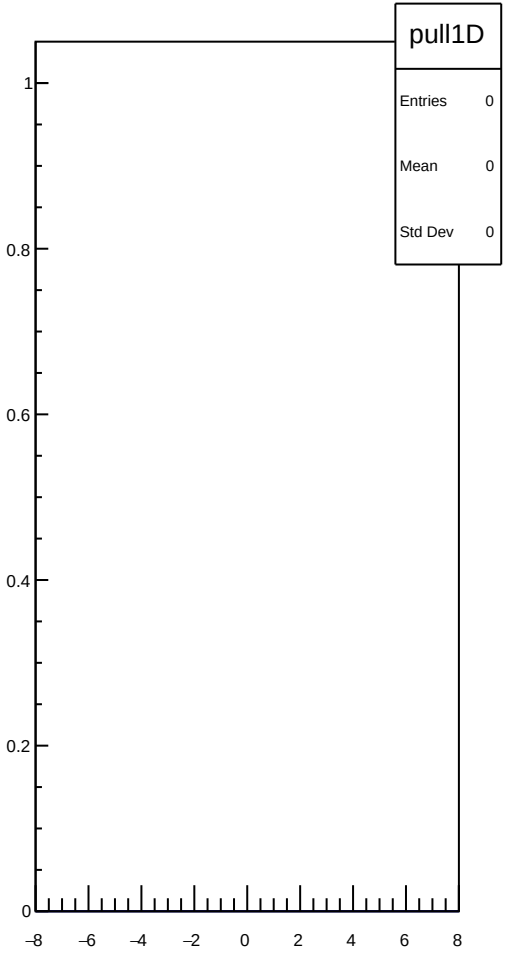

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

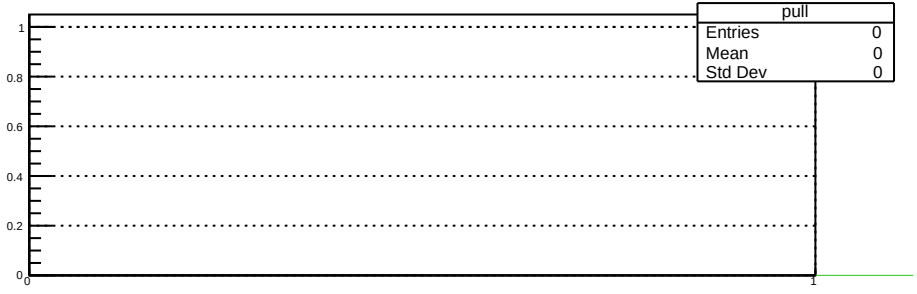

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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–6
–4
–2
0
2
4
6
8

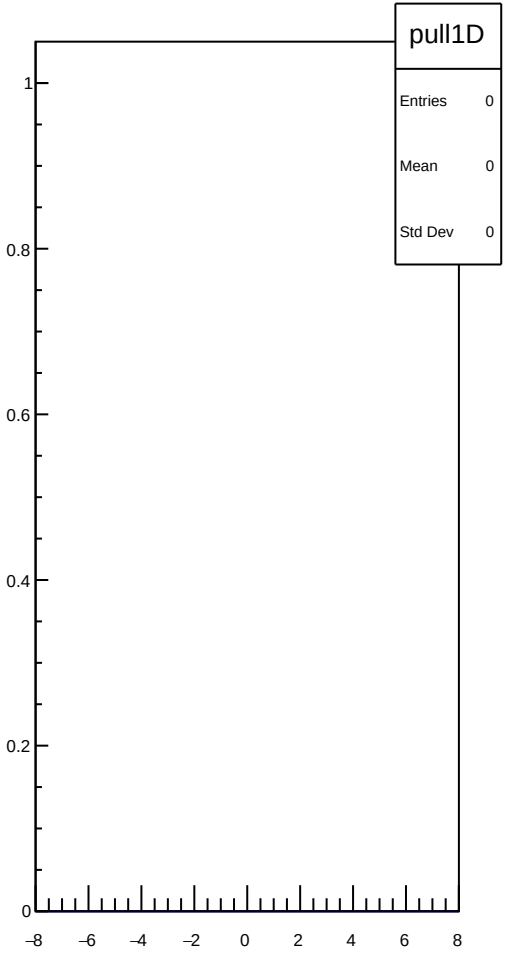

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

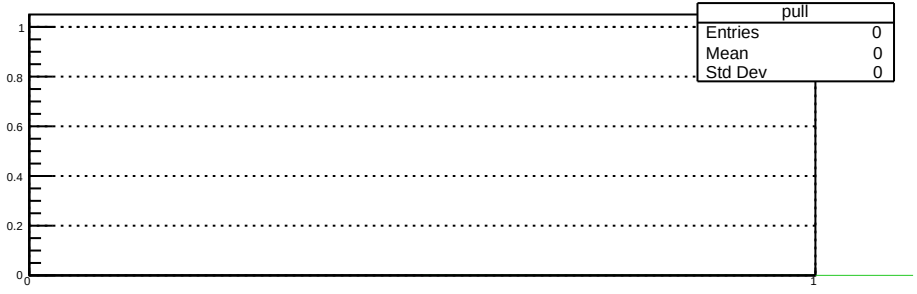

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

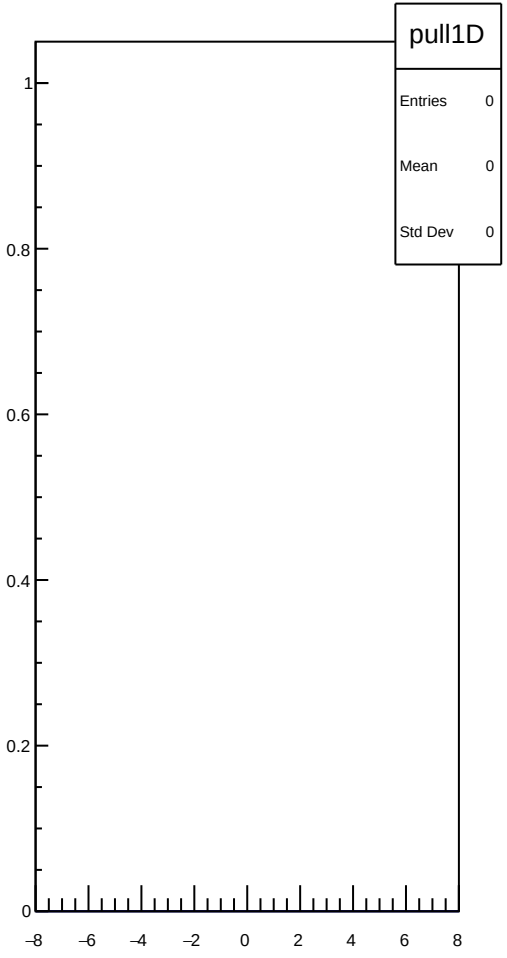

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

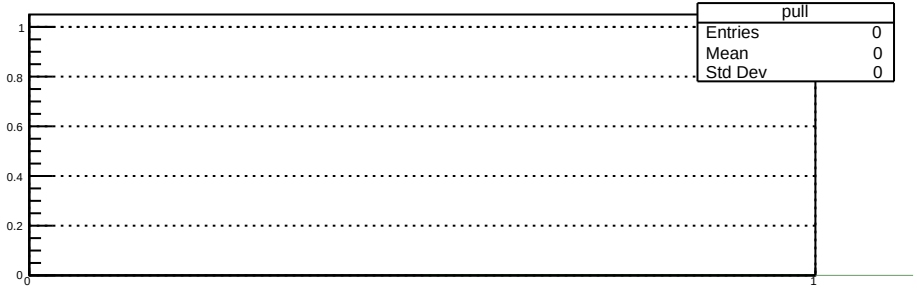

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

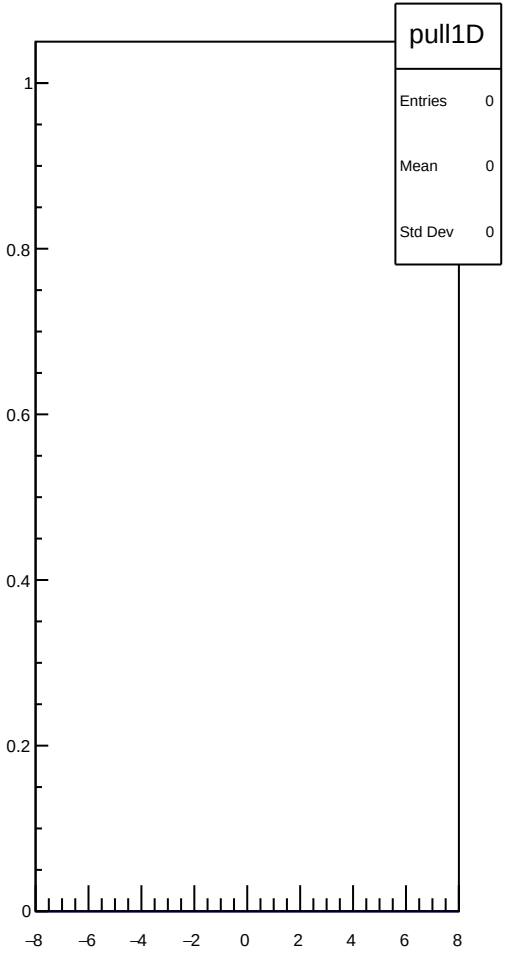

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

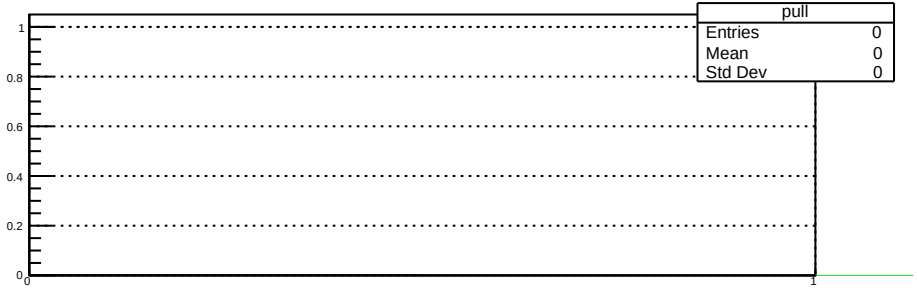

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

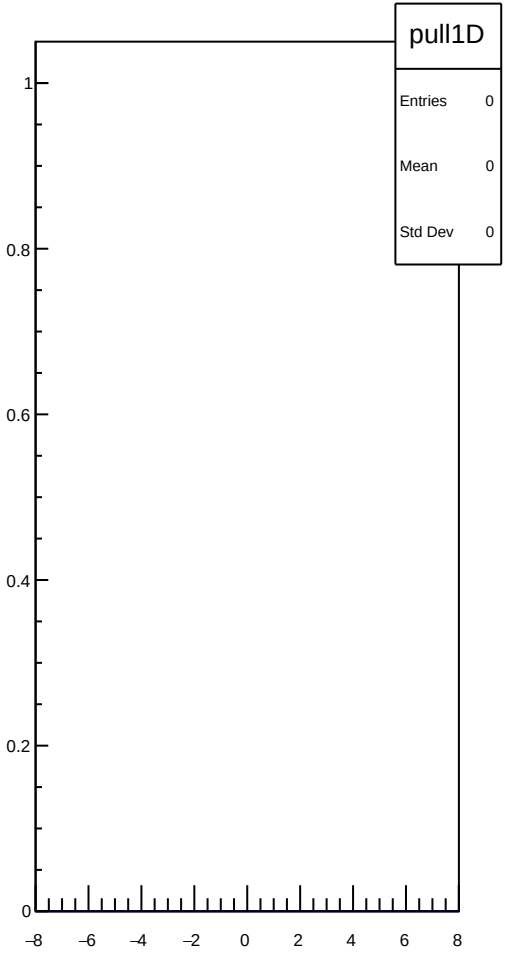

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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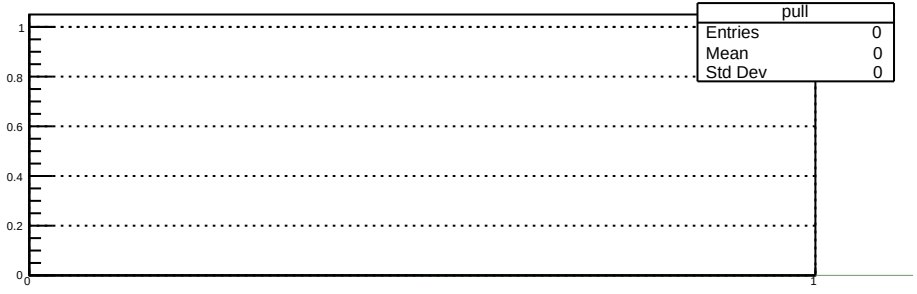

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

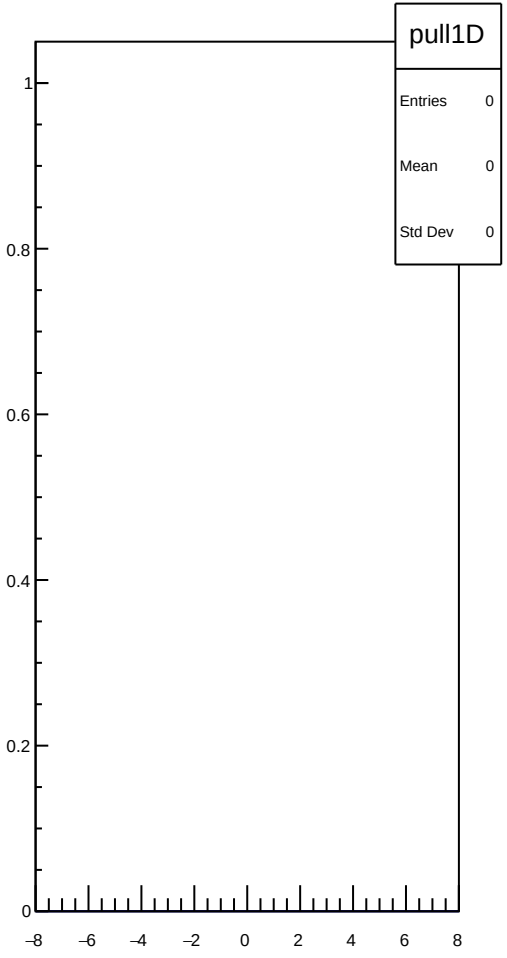

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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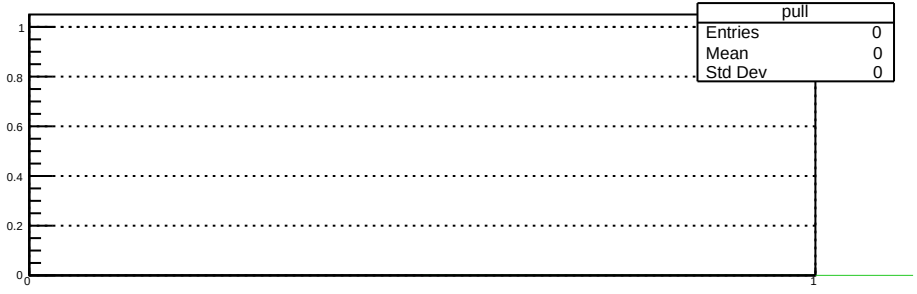

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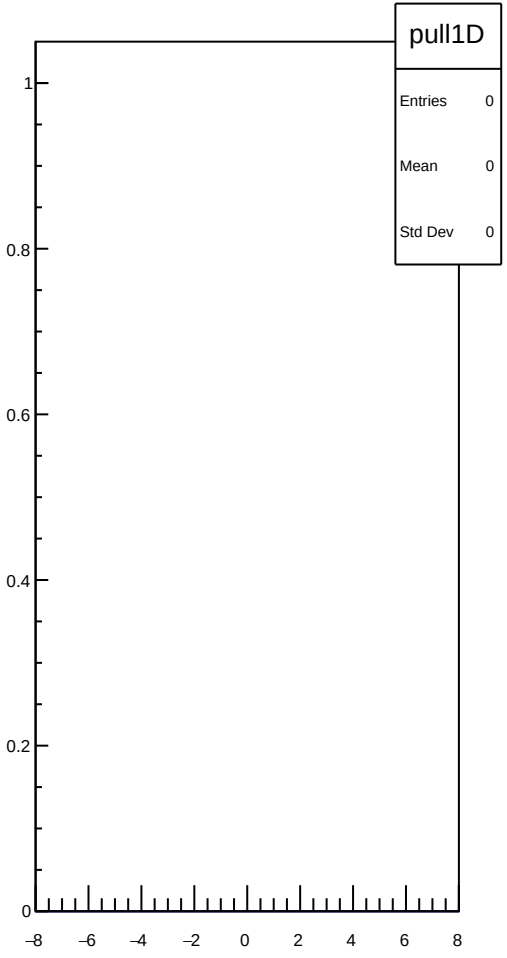

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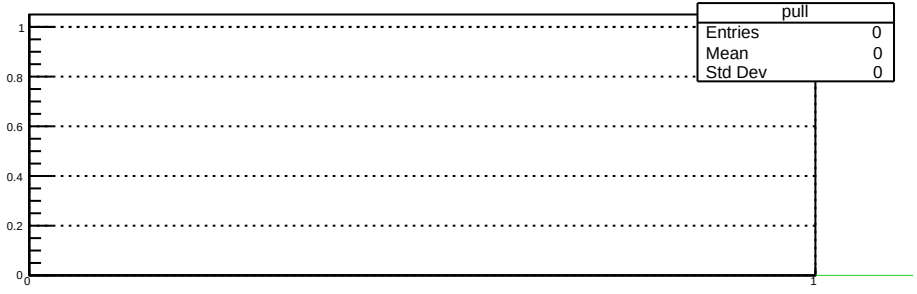

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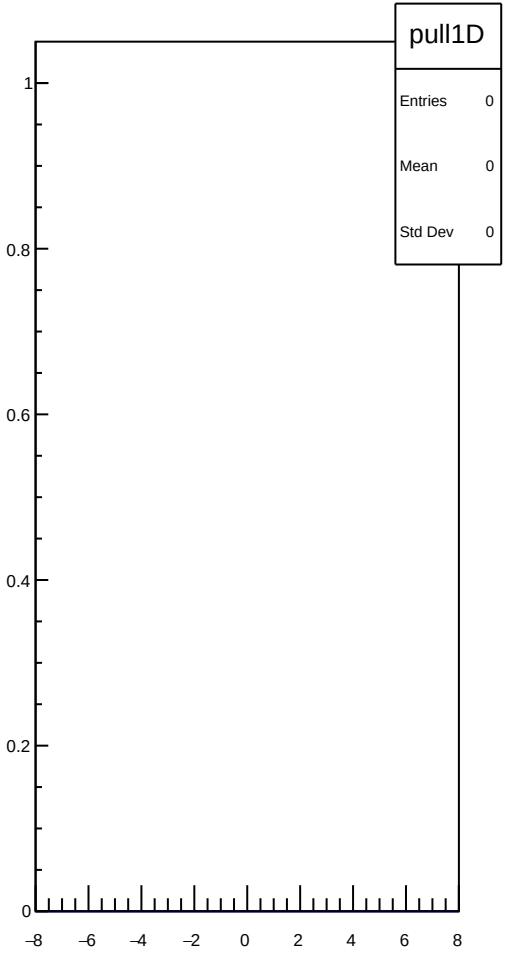

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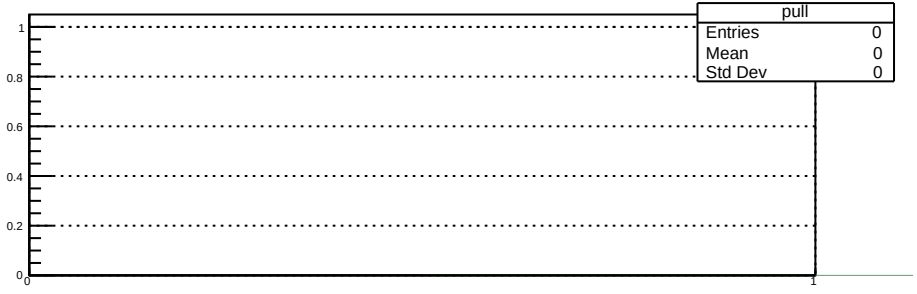

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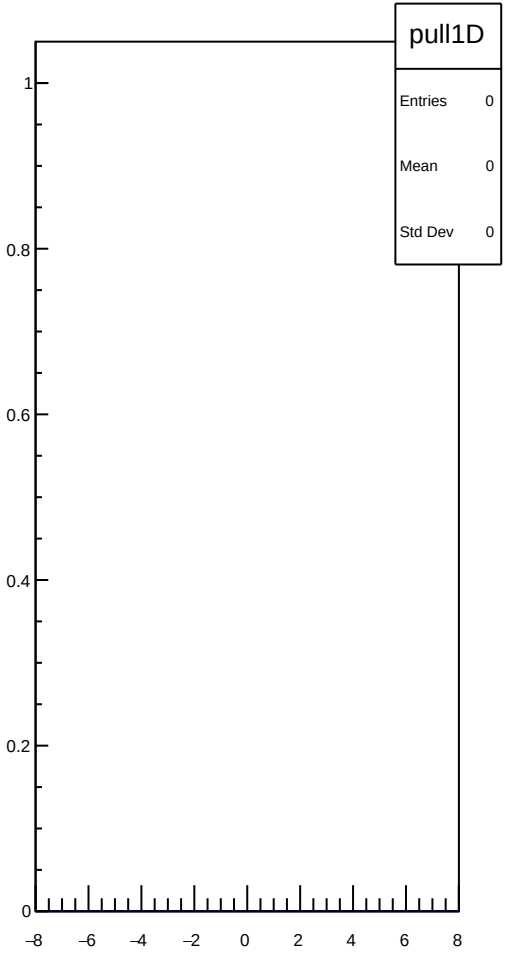

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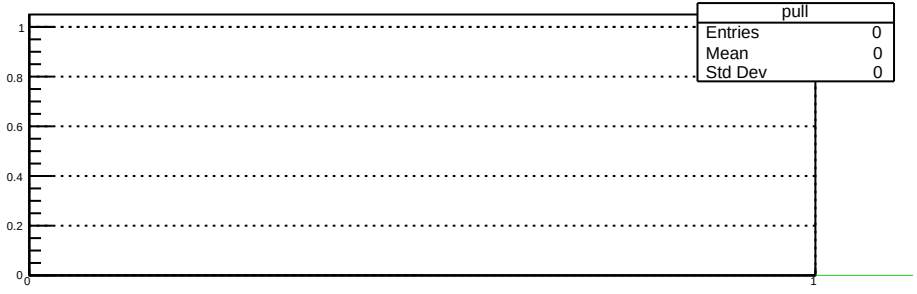

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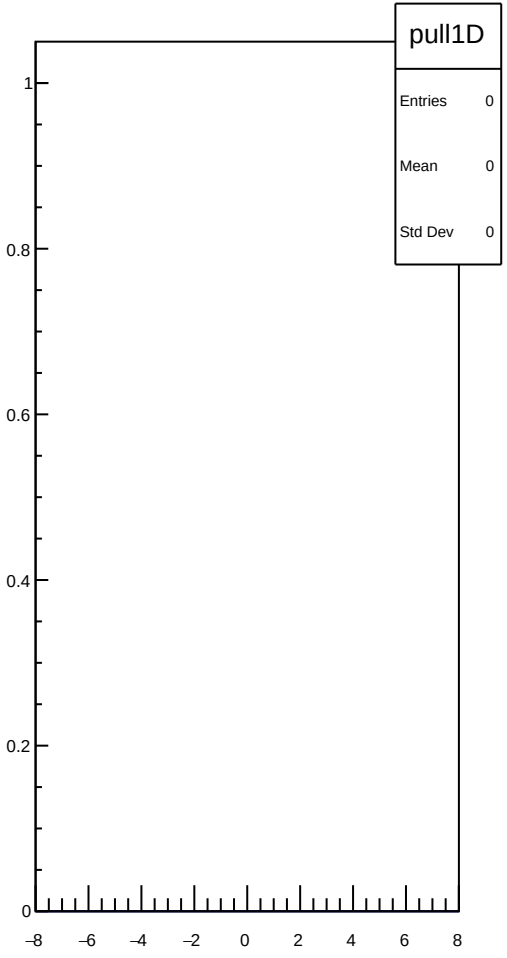

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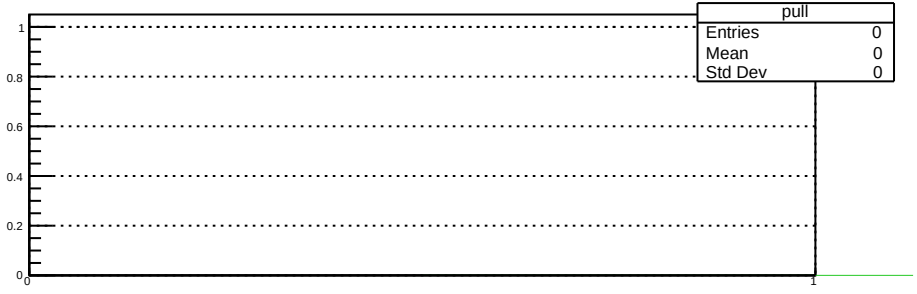

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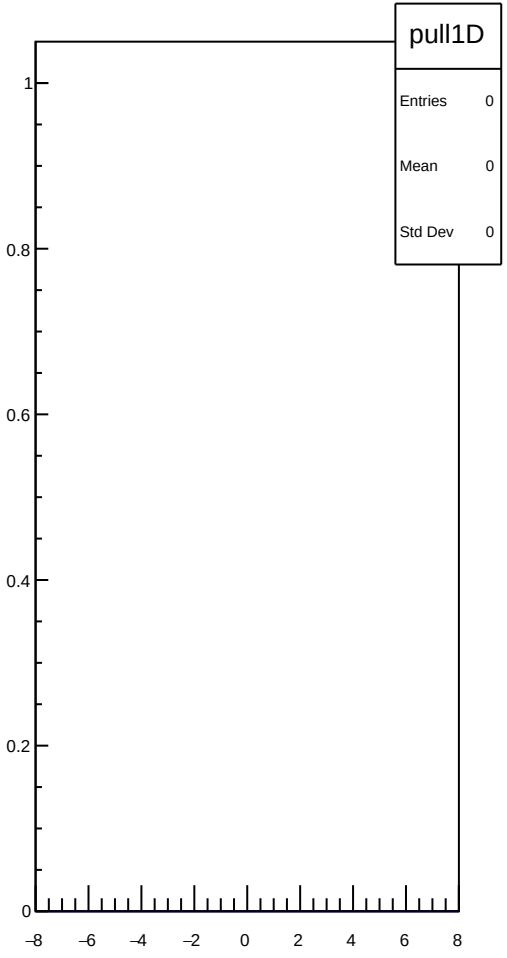

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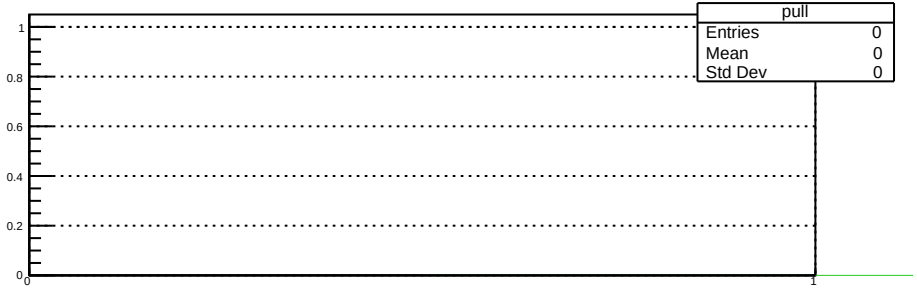

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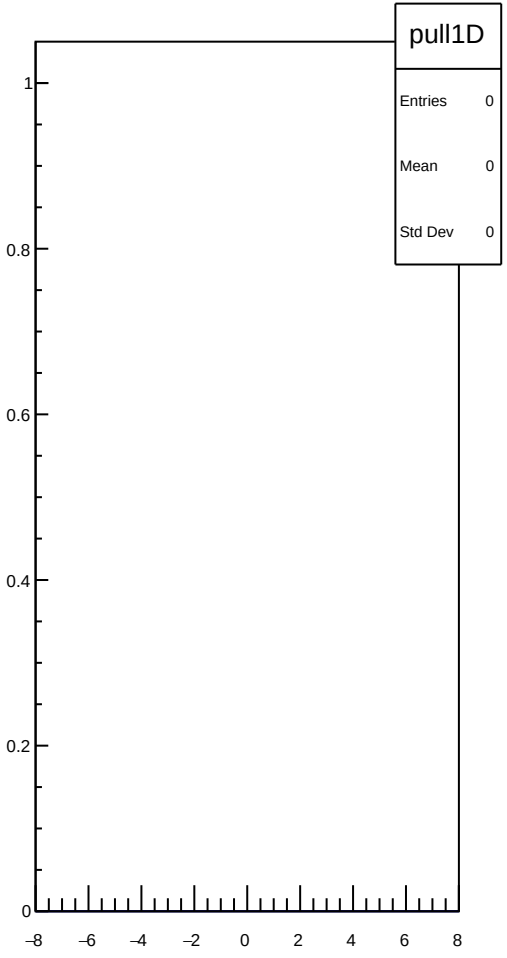

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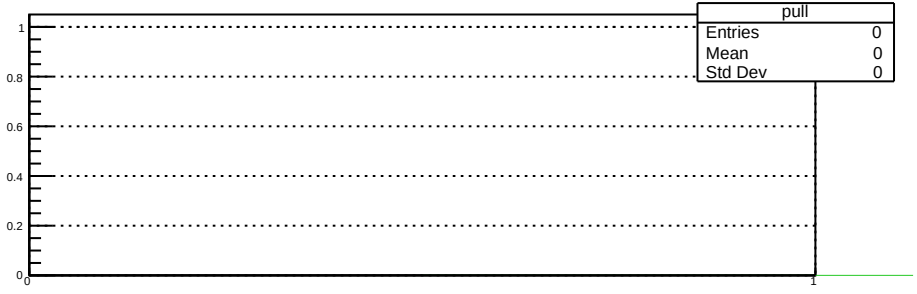

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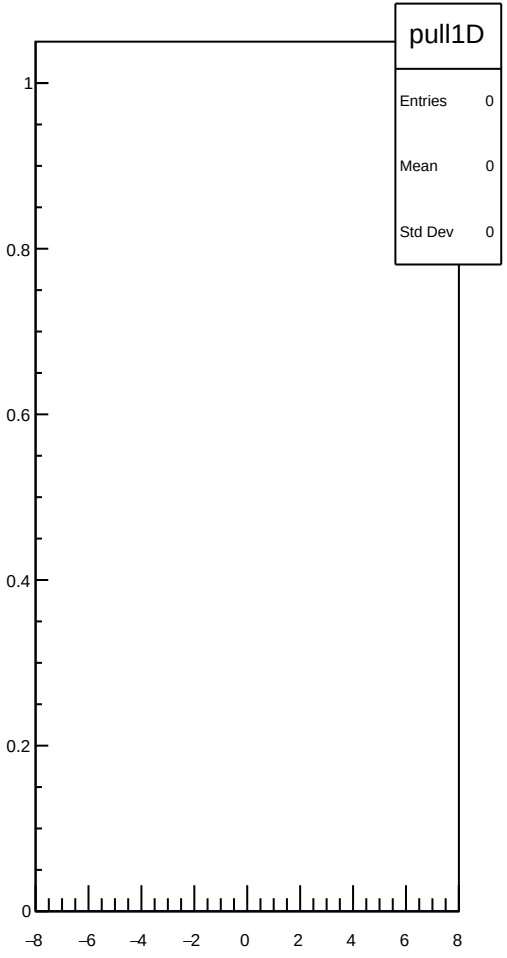

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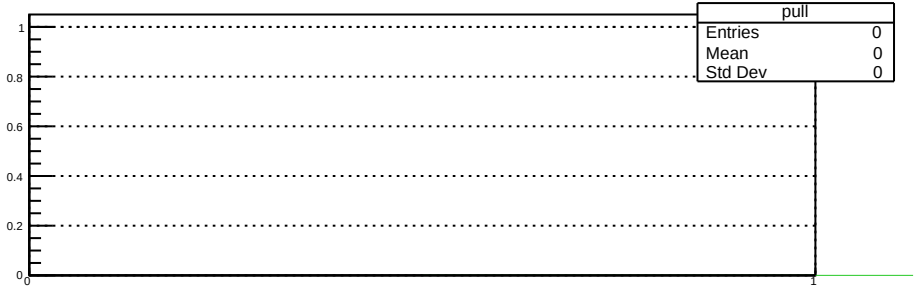

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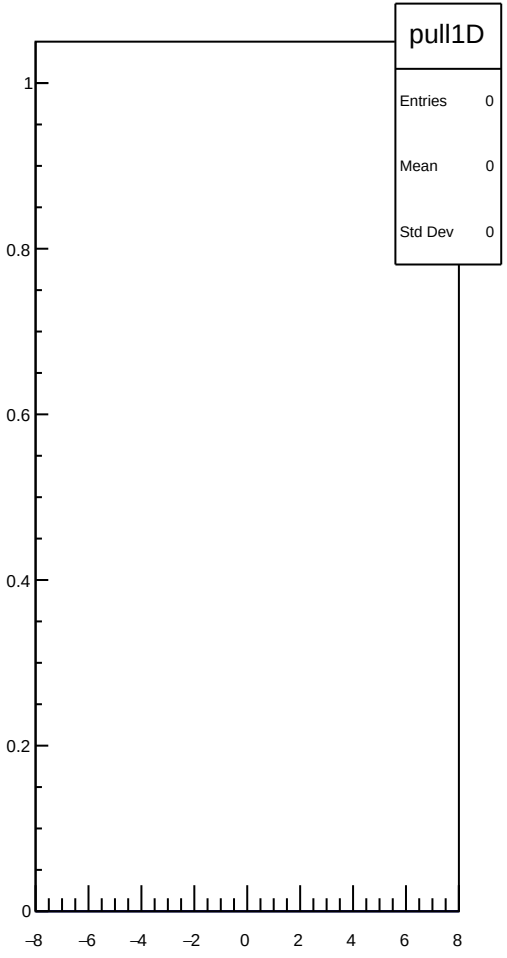

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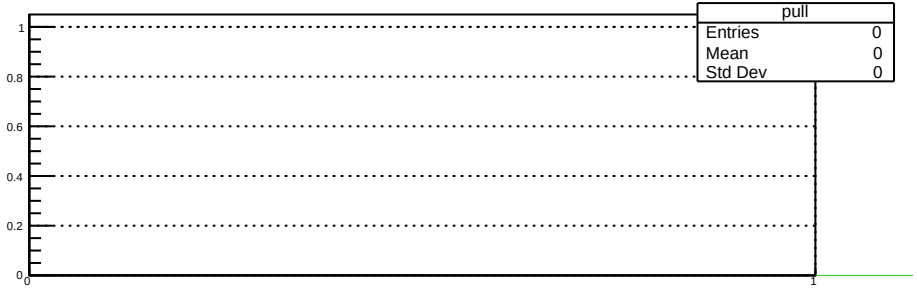

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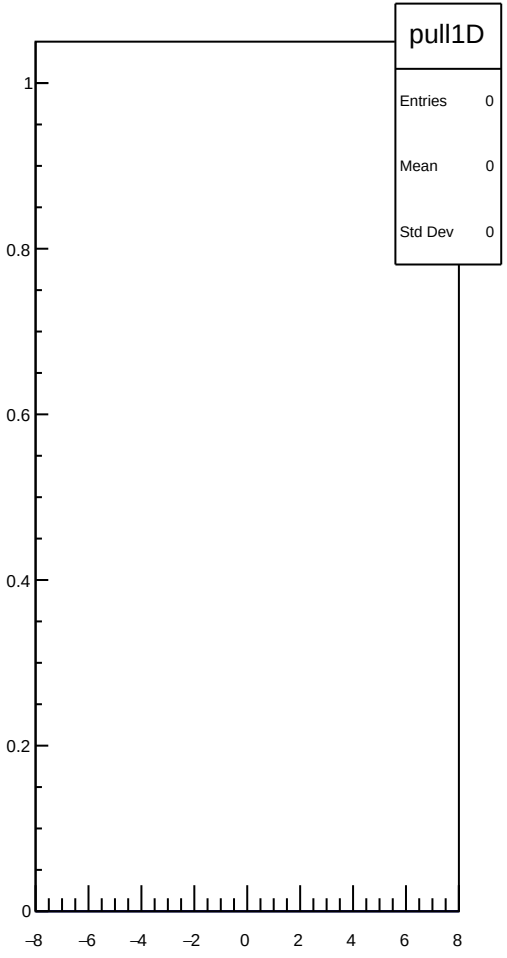

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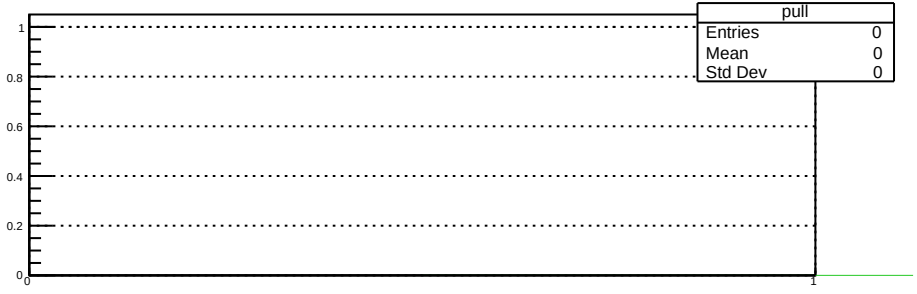

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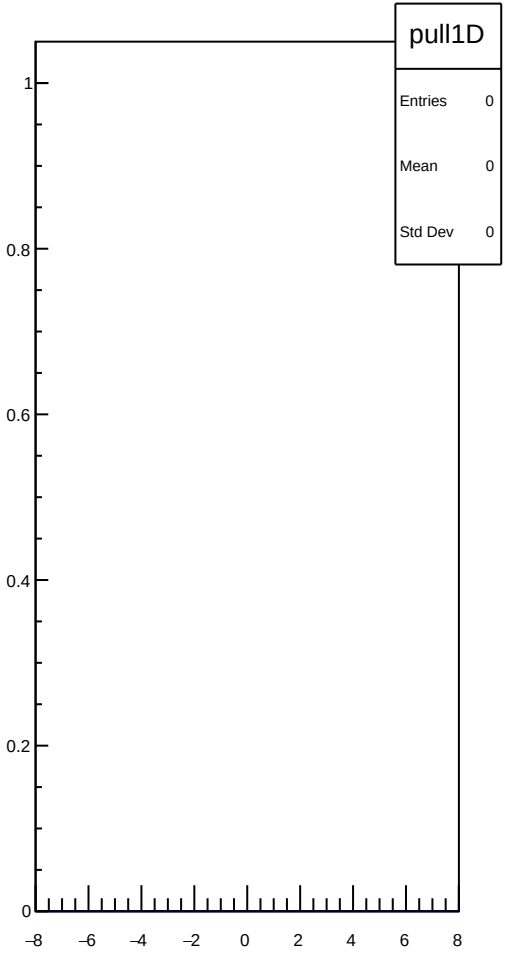

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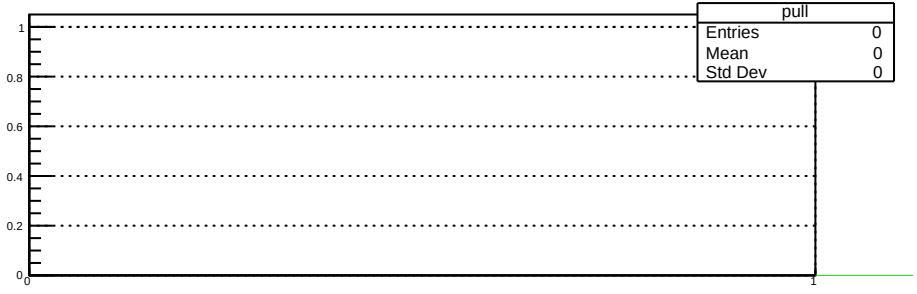

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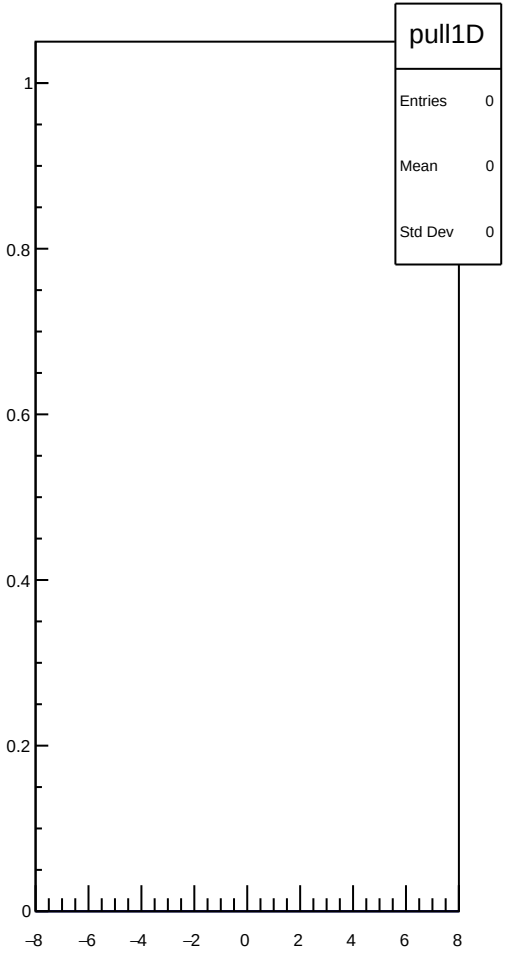

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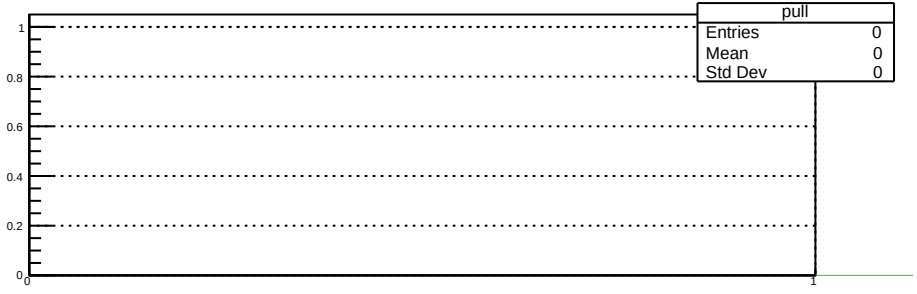

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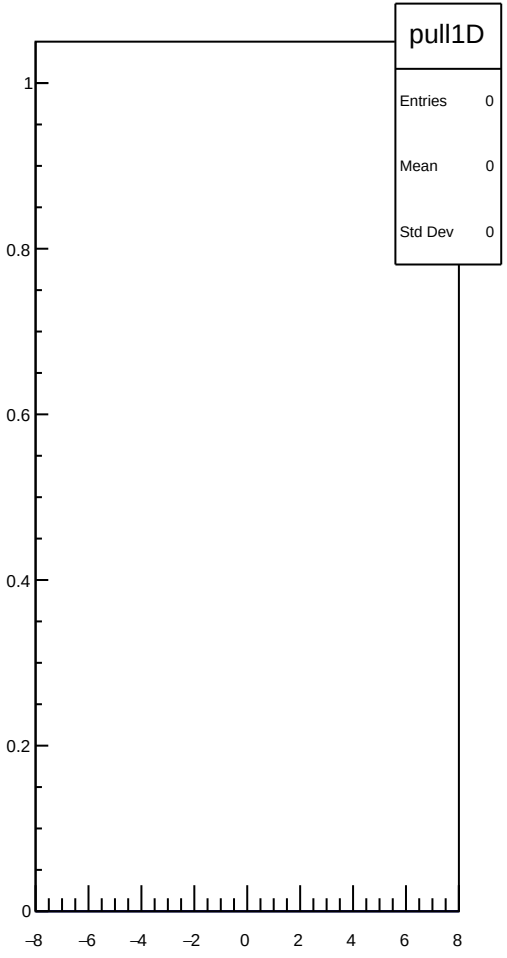

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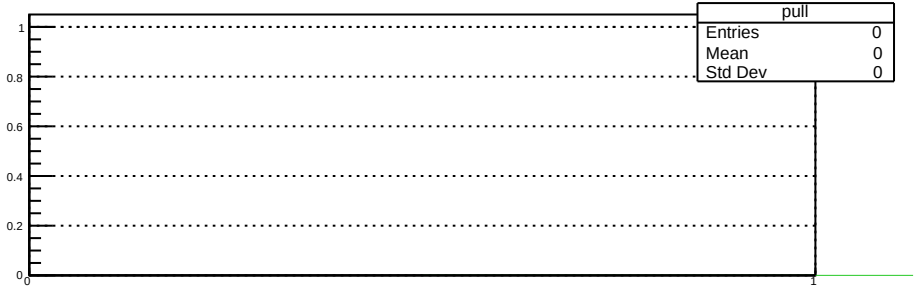

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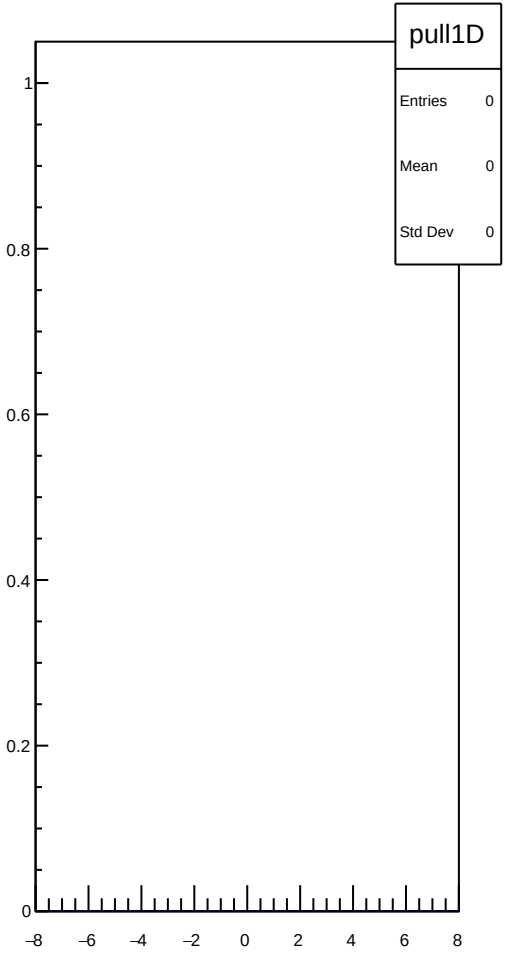

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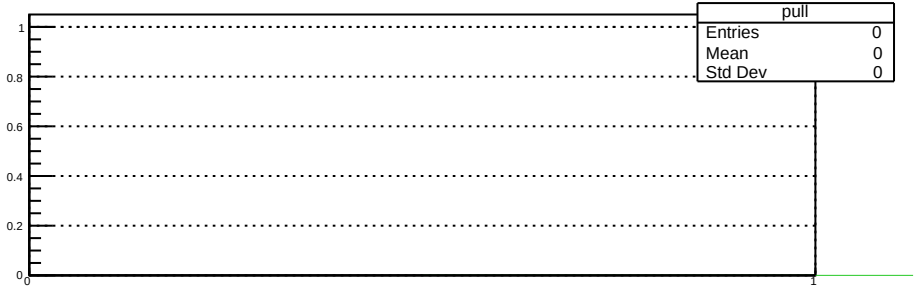

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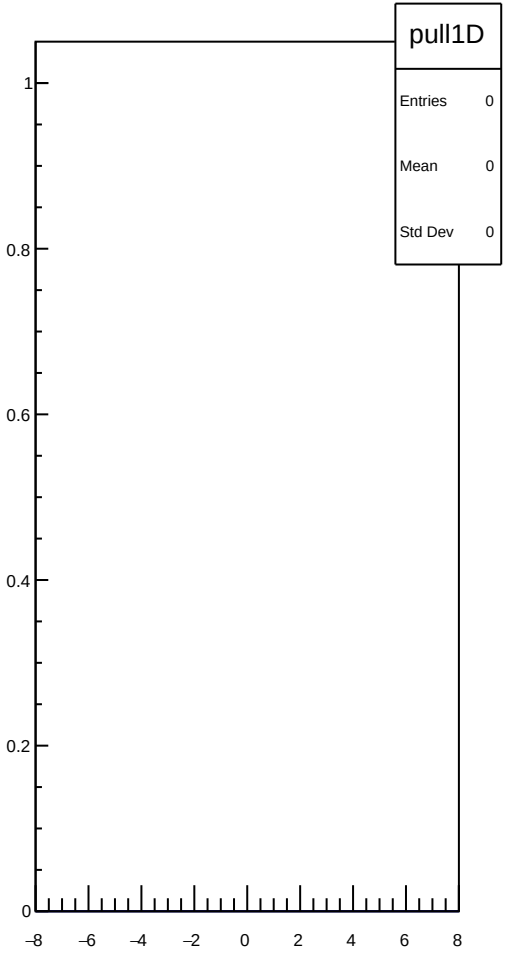

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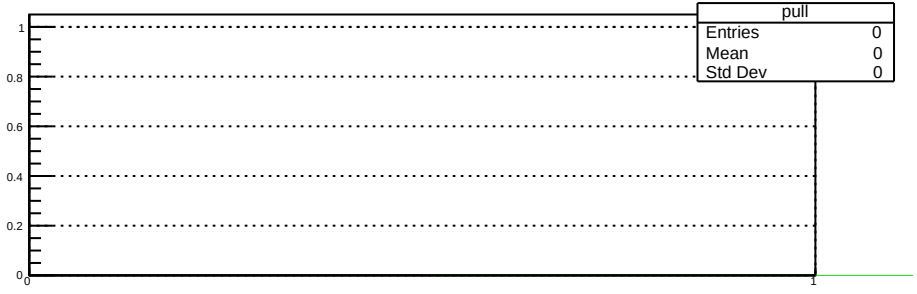

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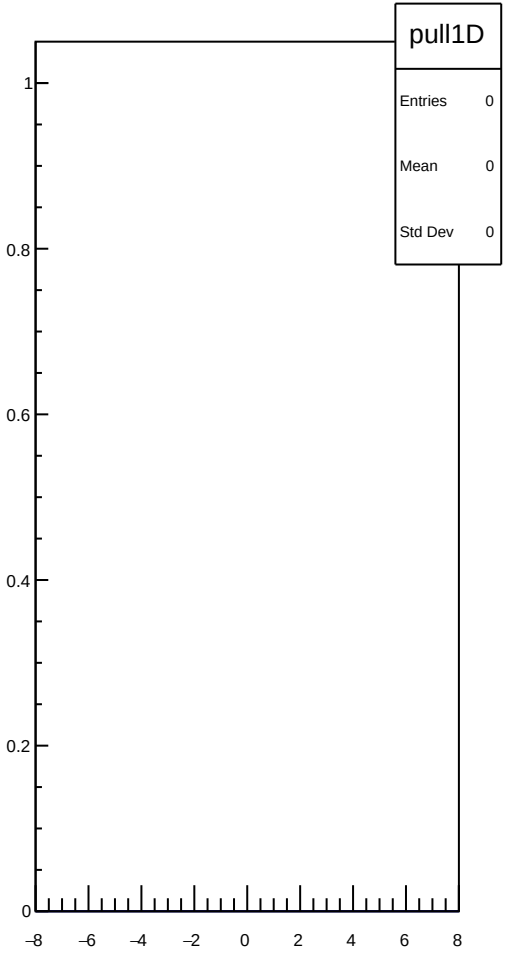

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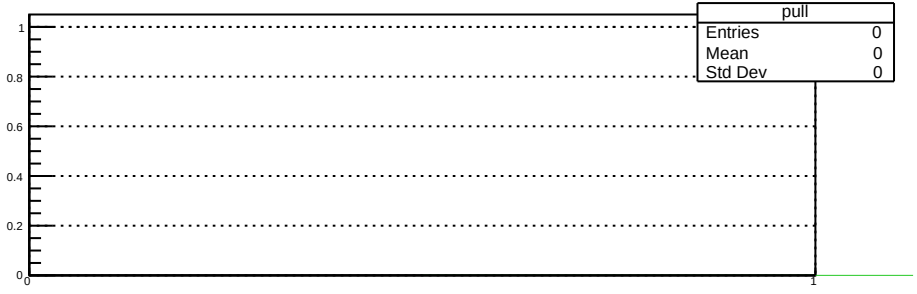

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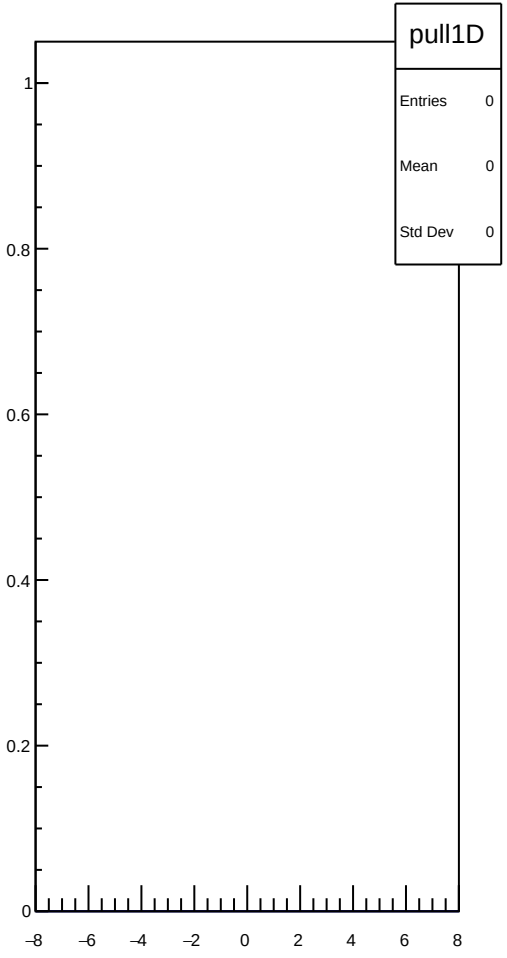

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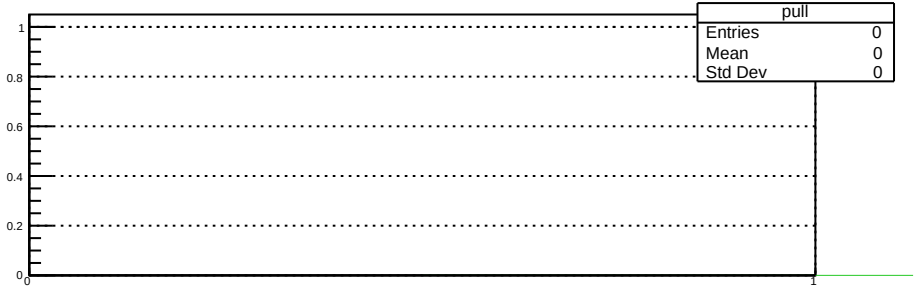

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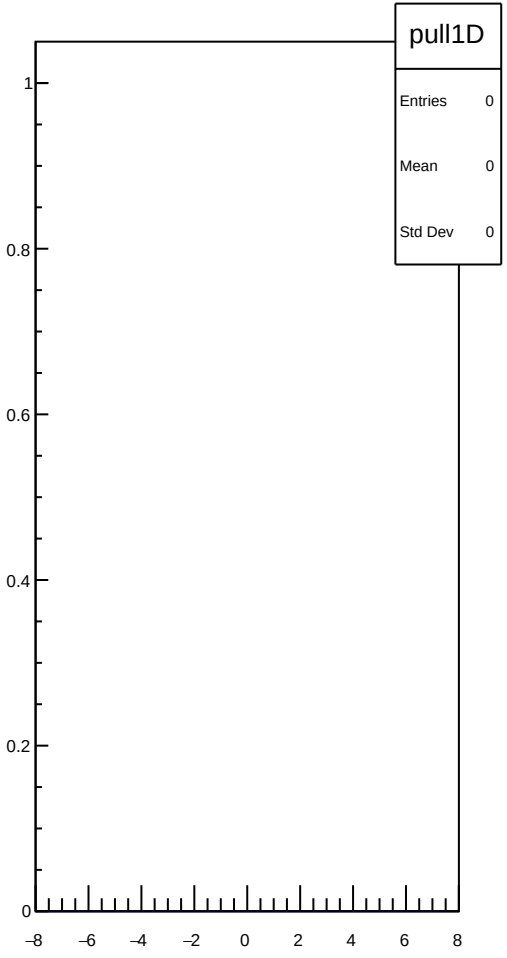

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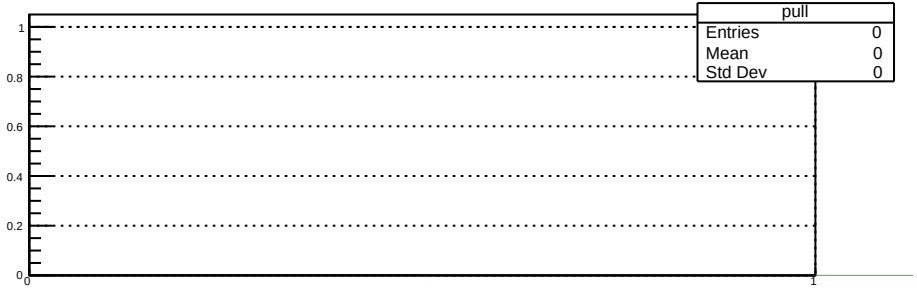

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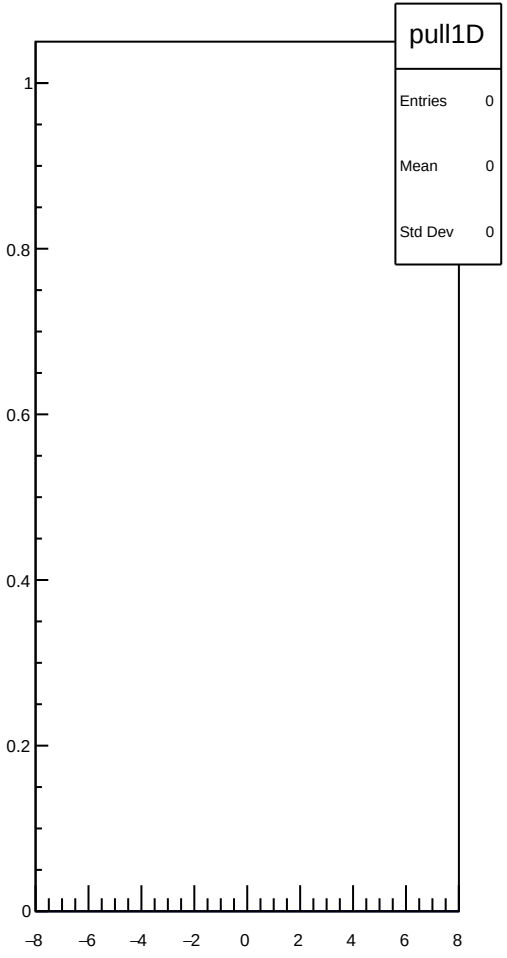

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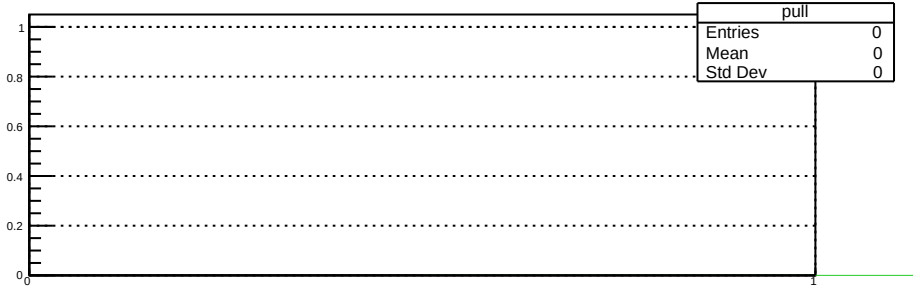

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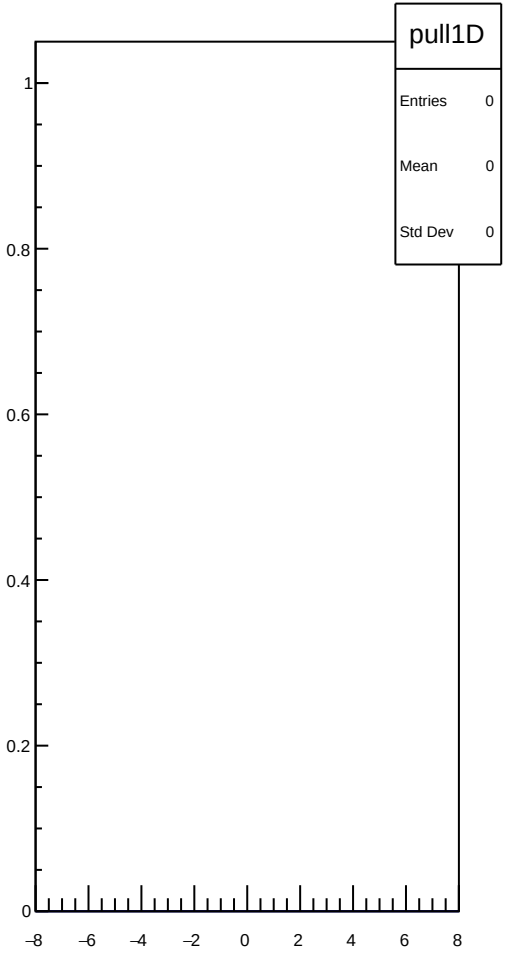

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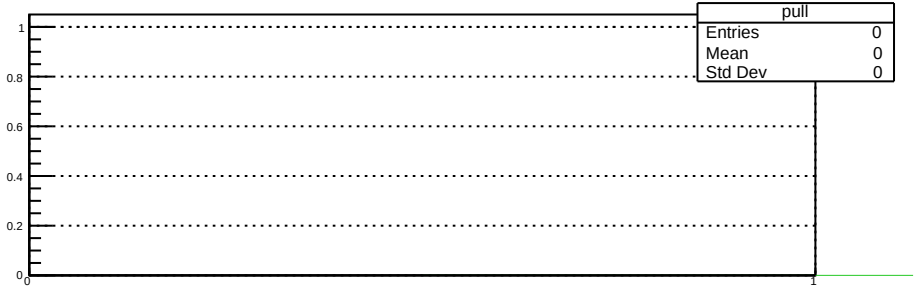

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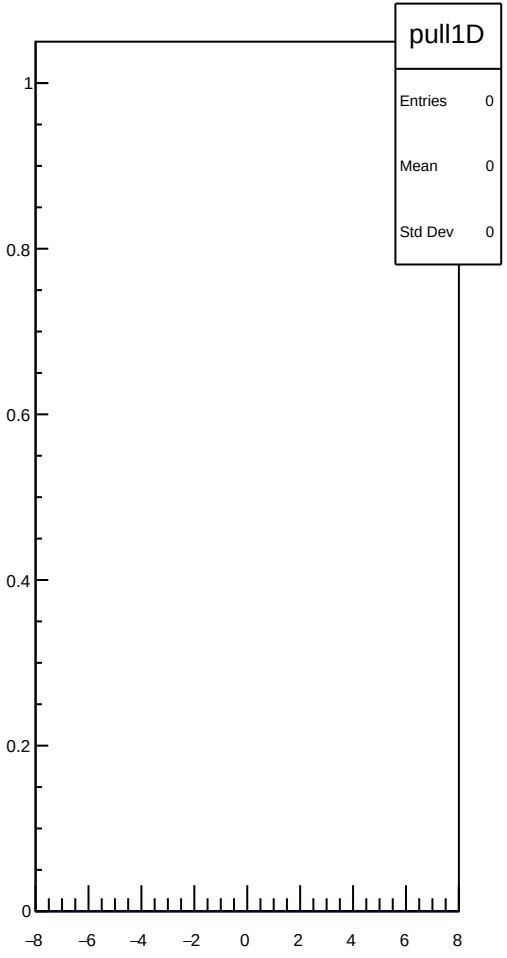

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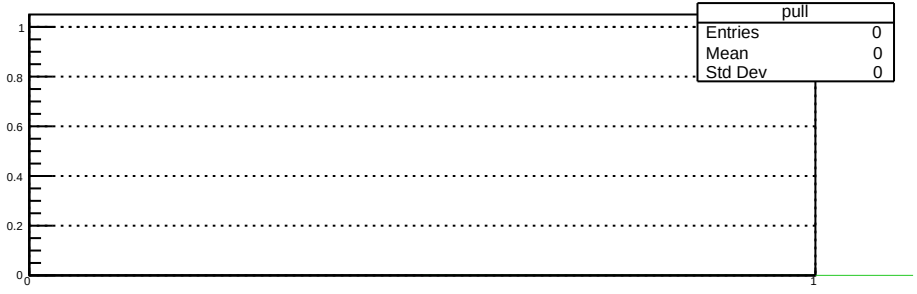

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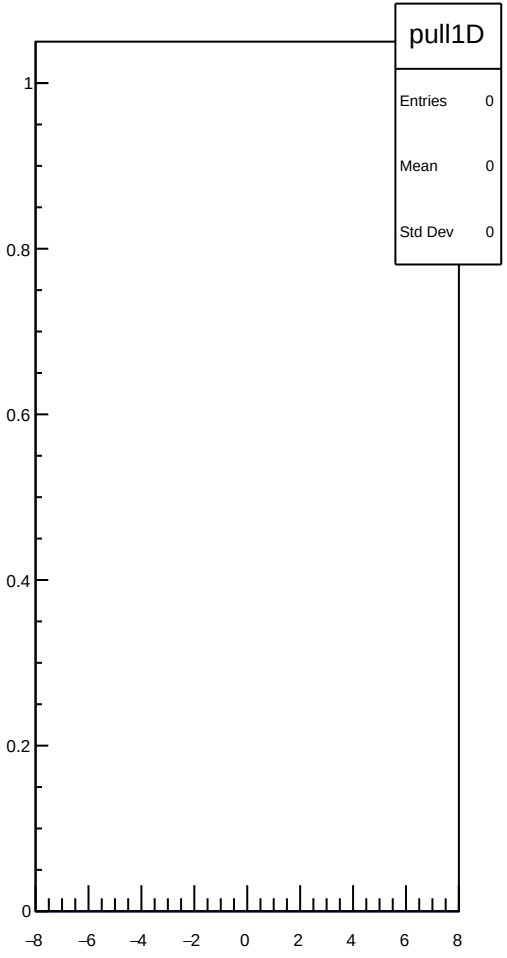

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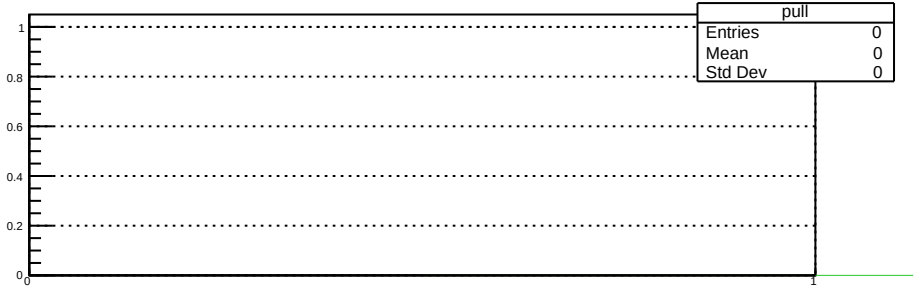

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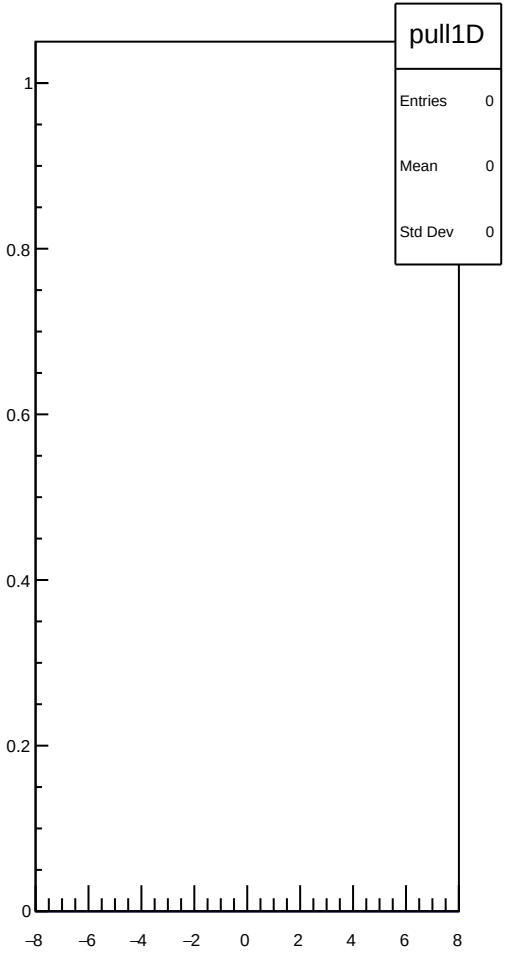

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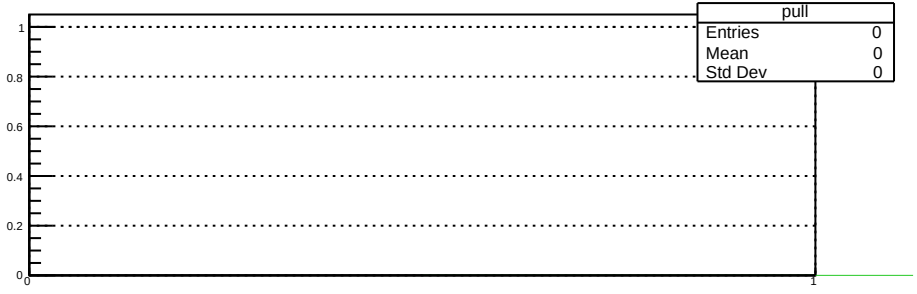

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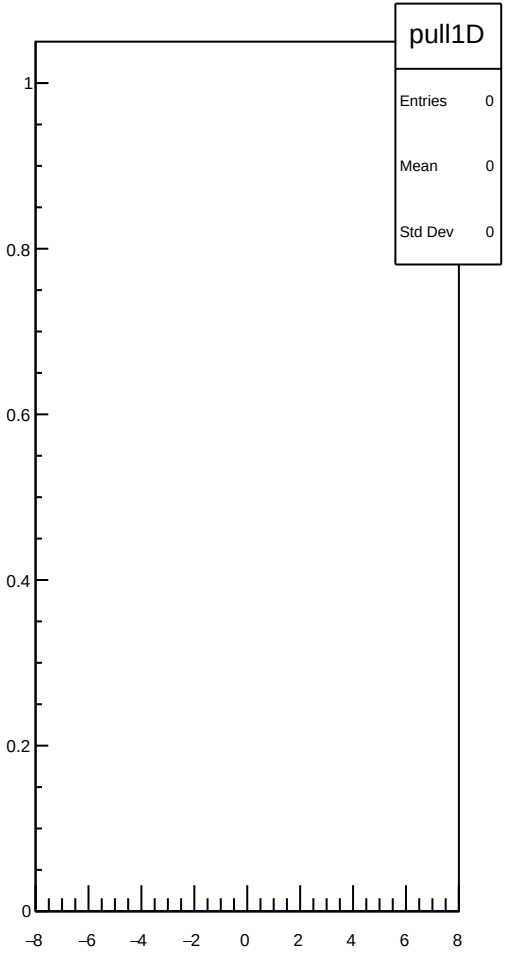

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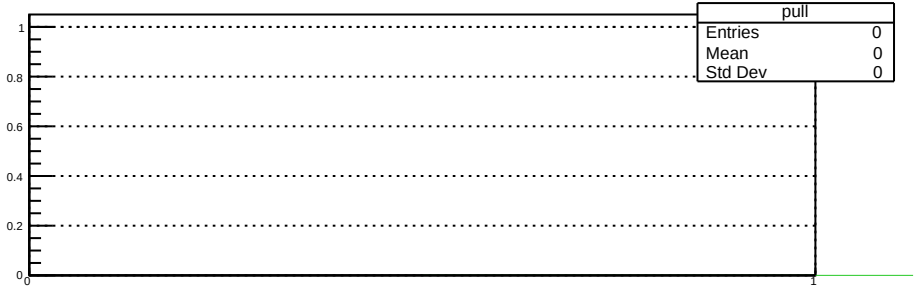

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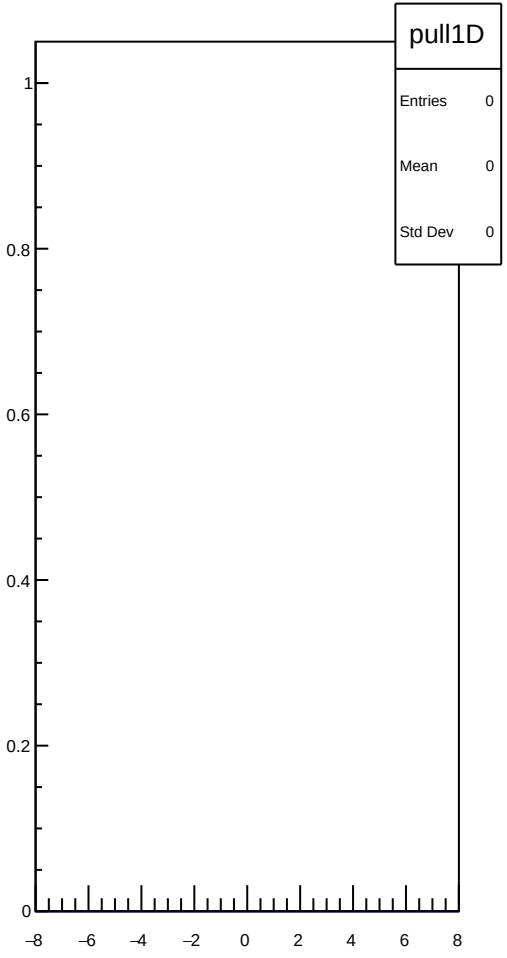

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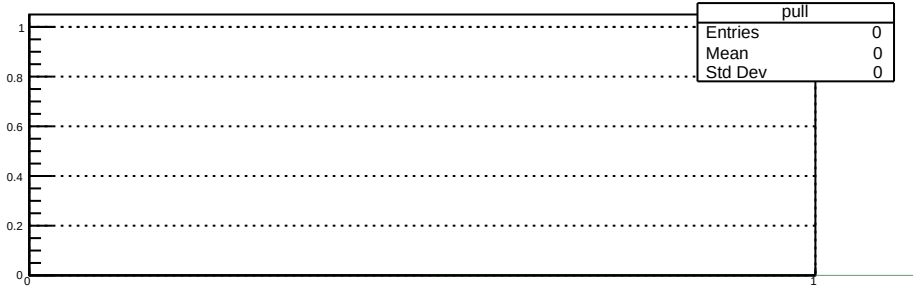

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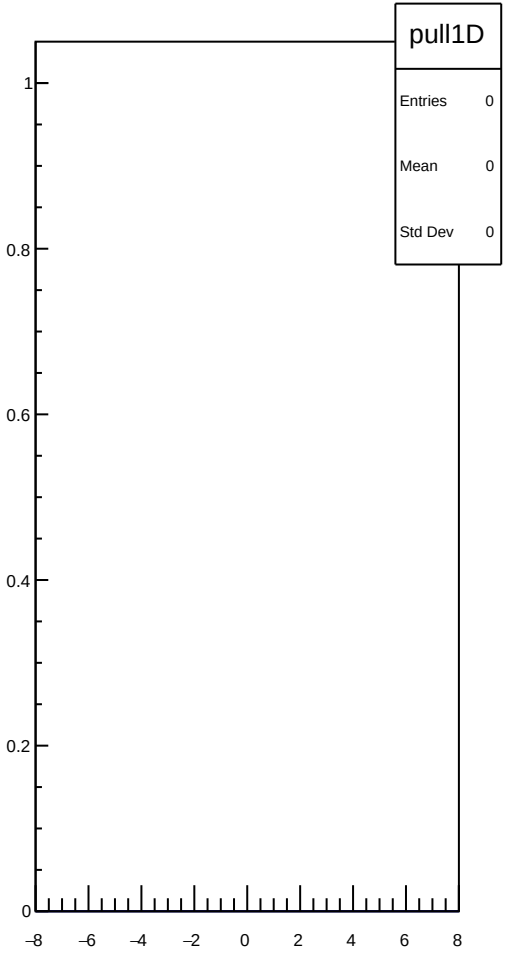

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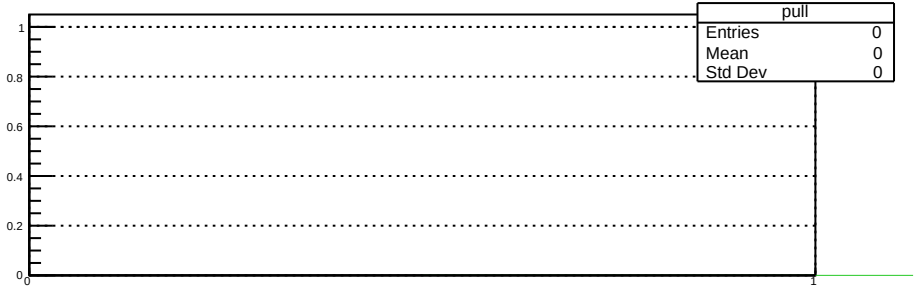

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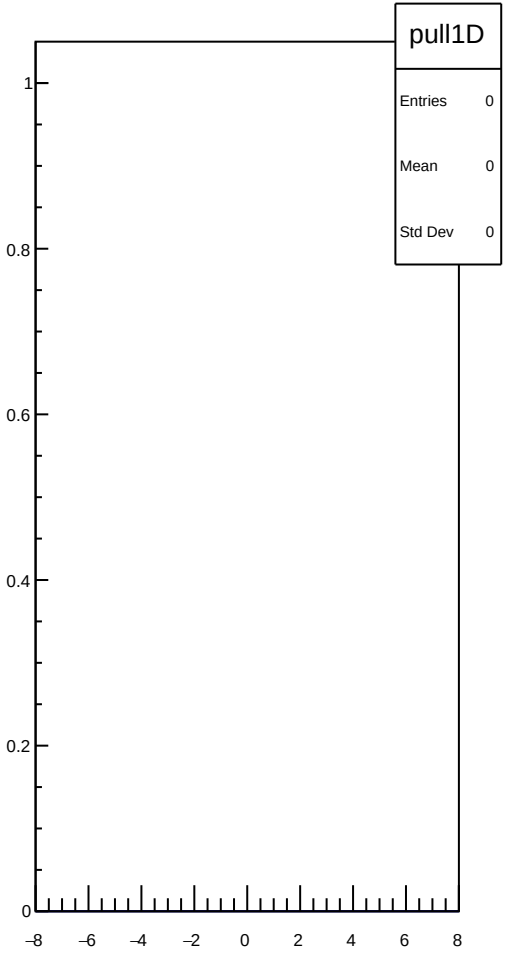

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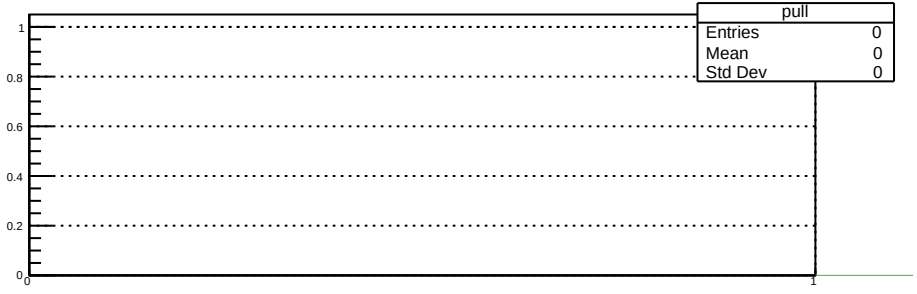

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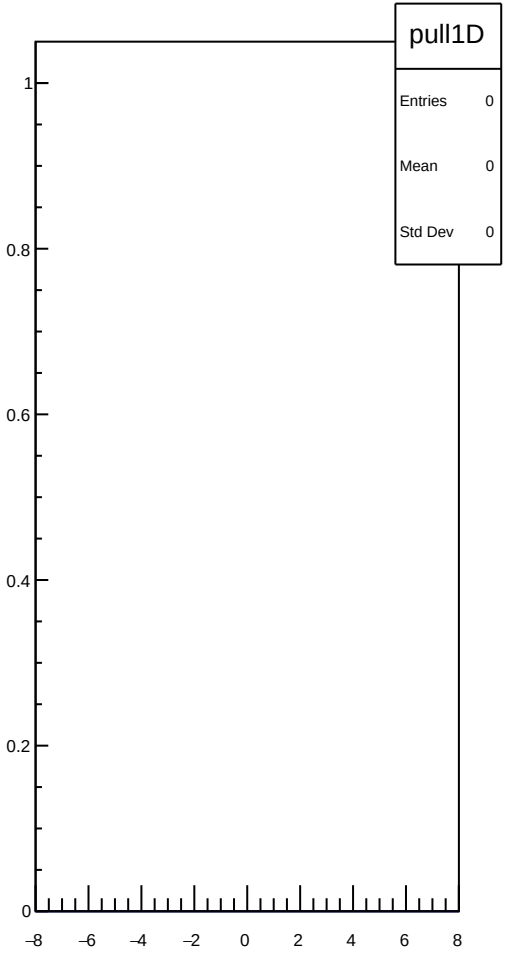

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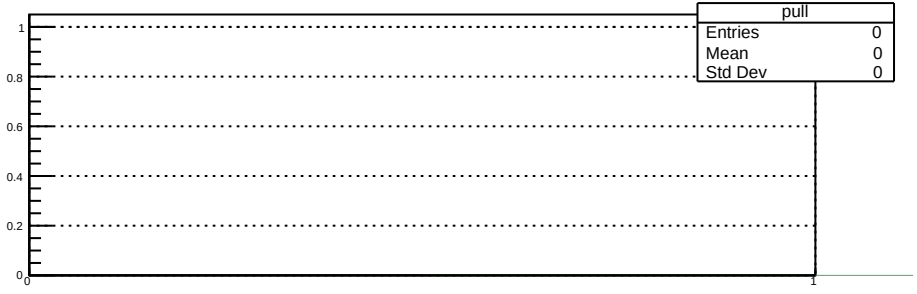

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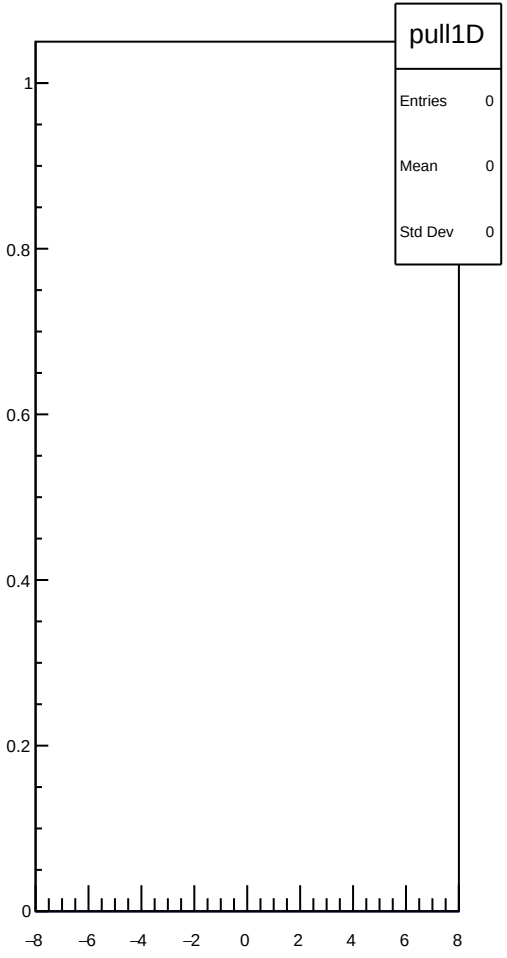

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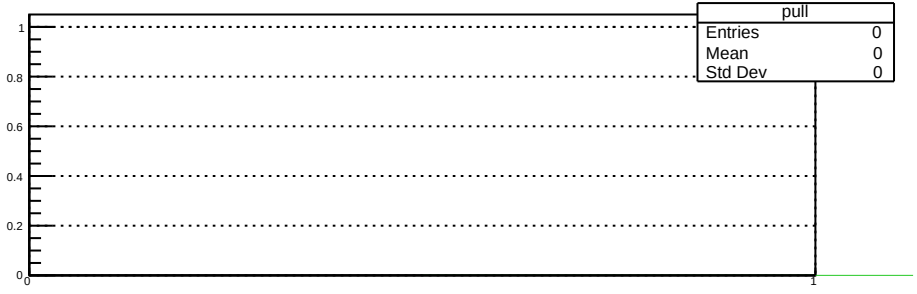

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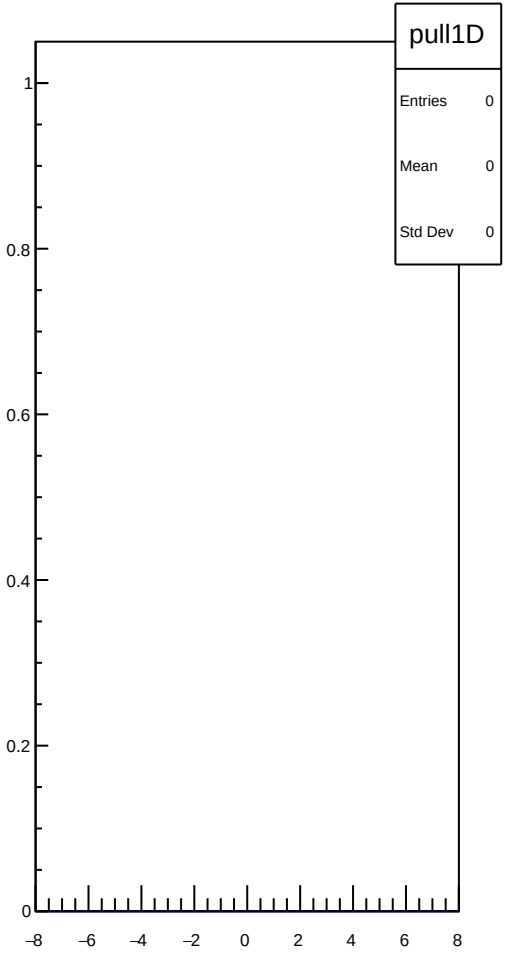

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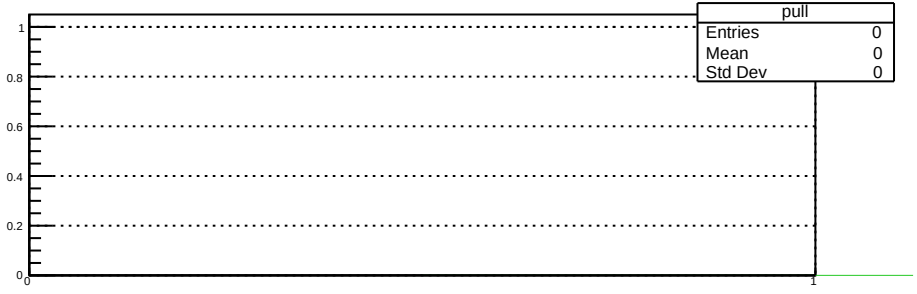

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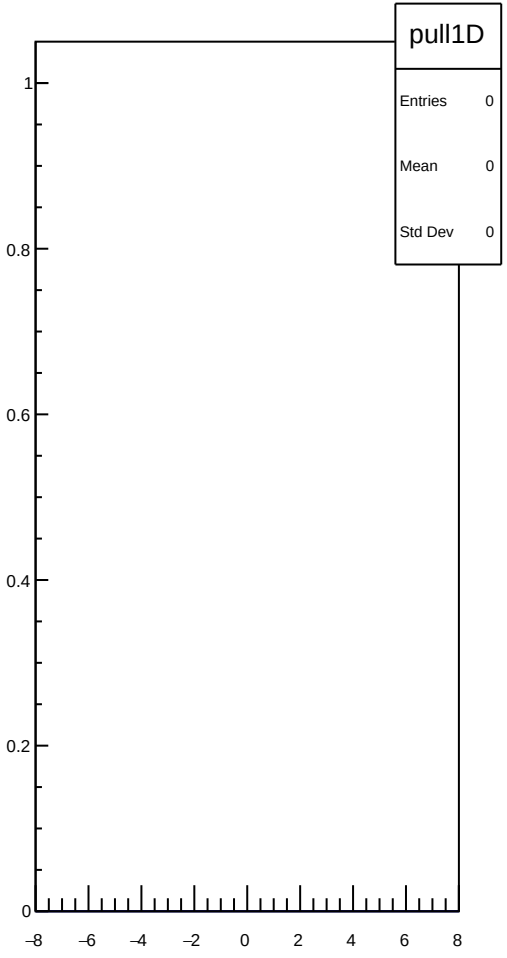

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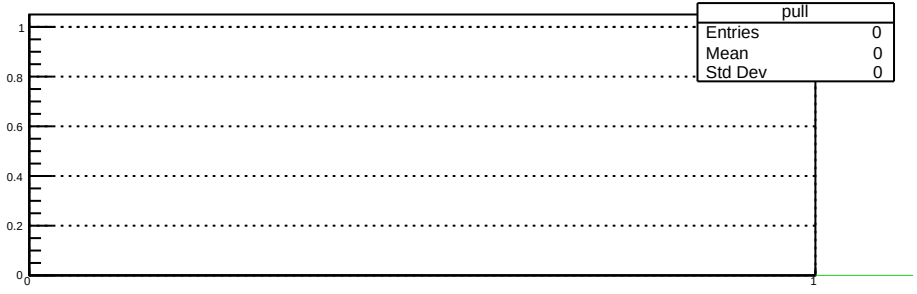

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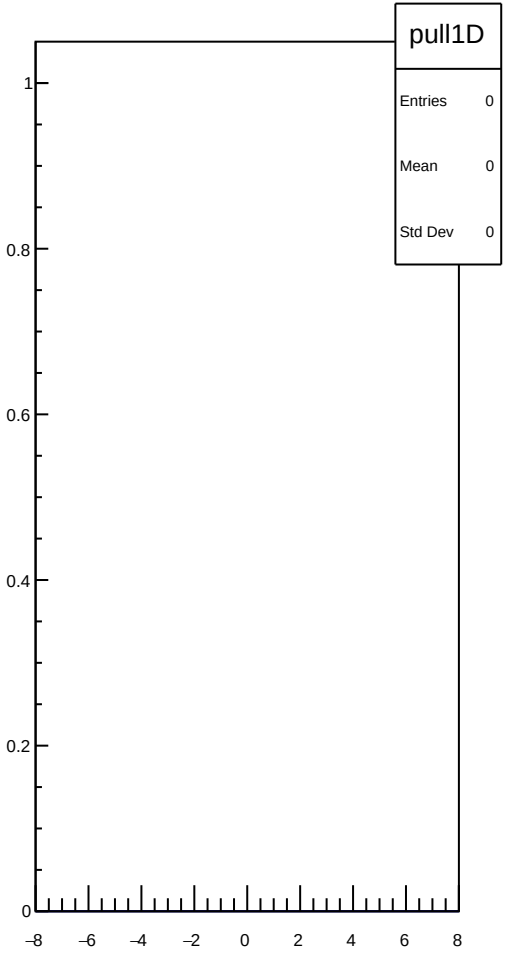

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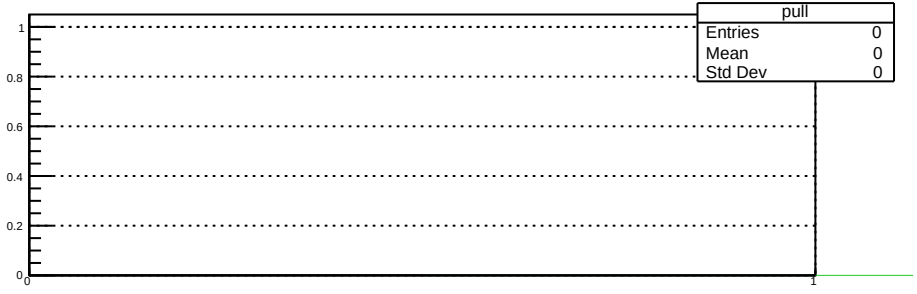

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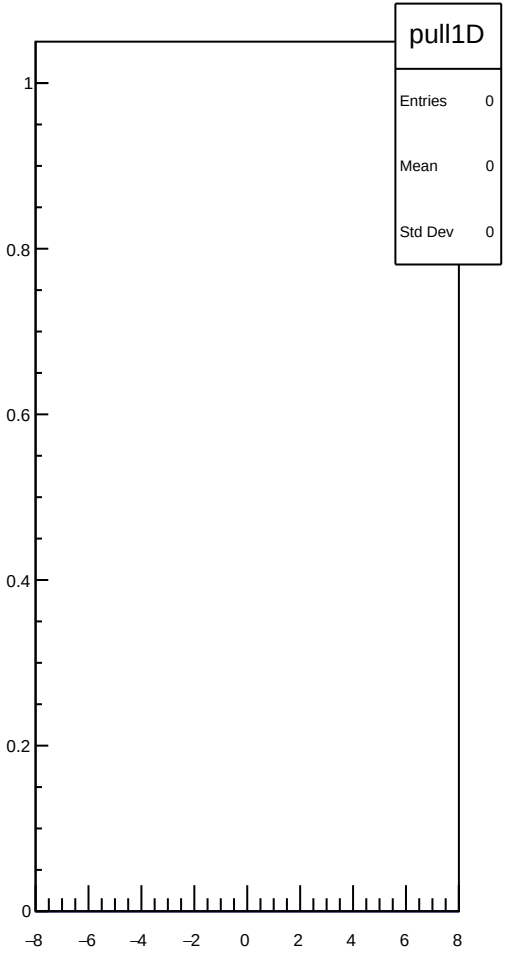

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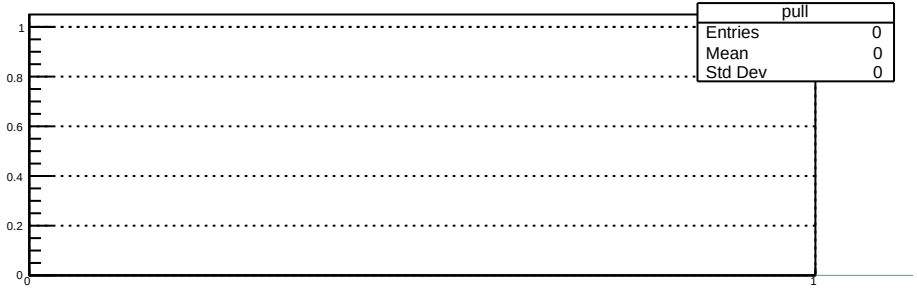

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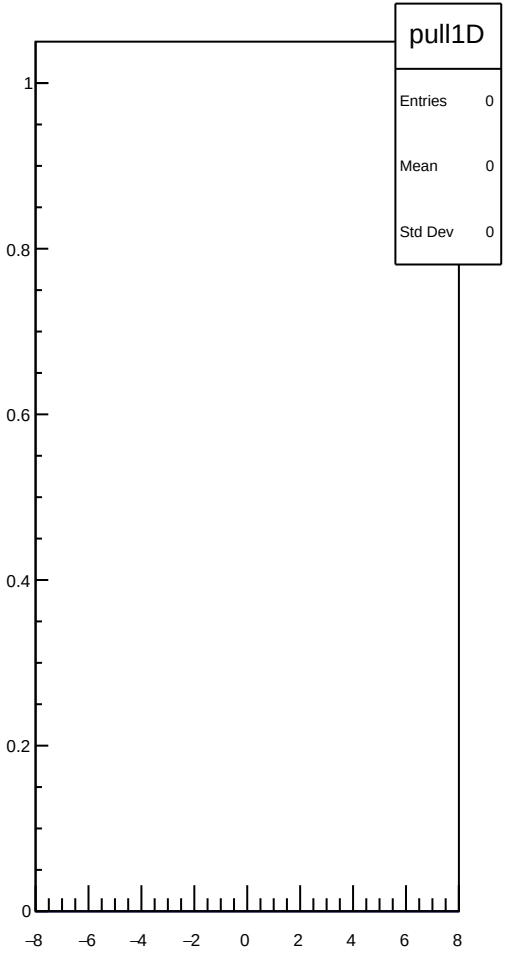

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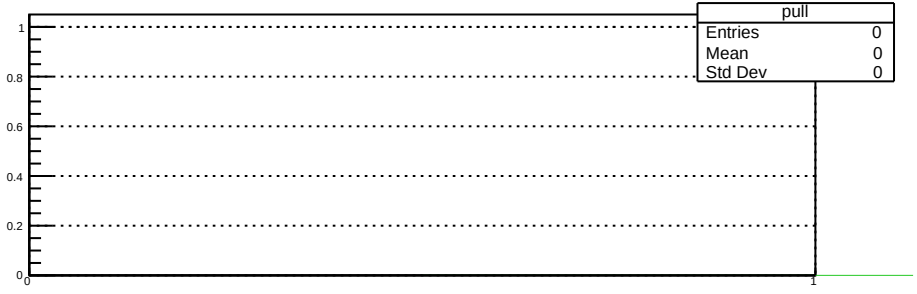

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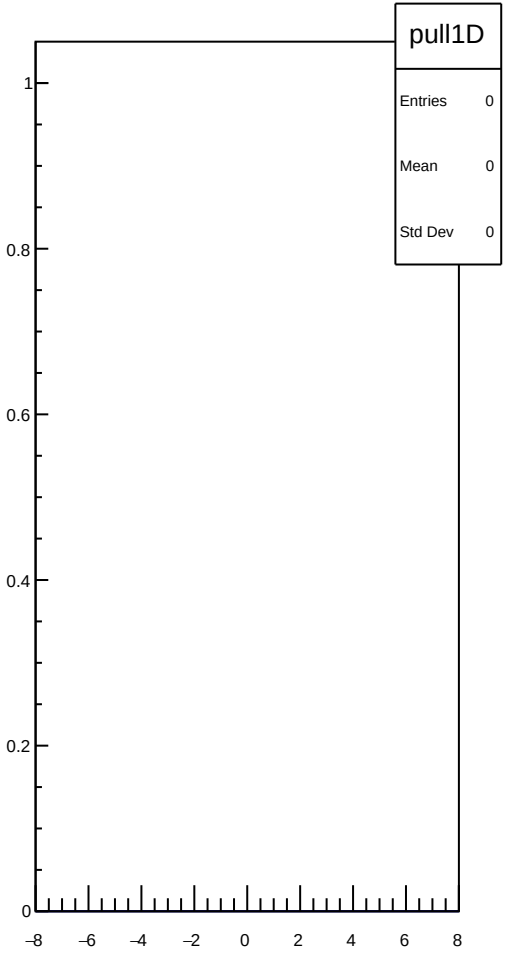

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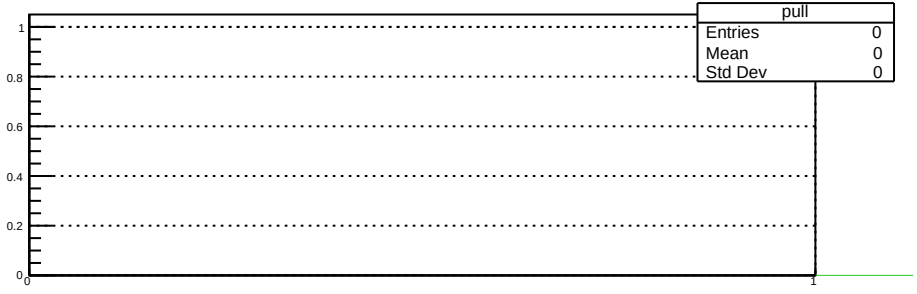

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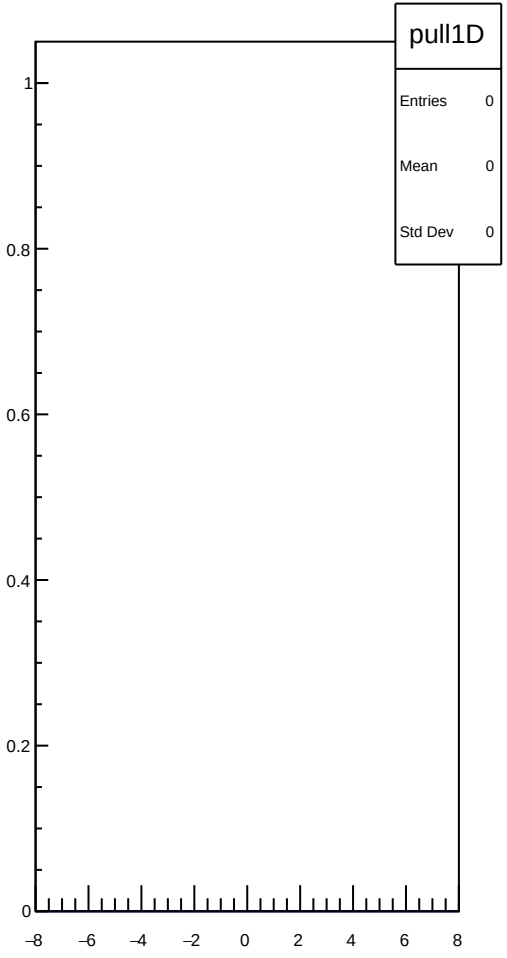

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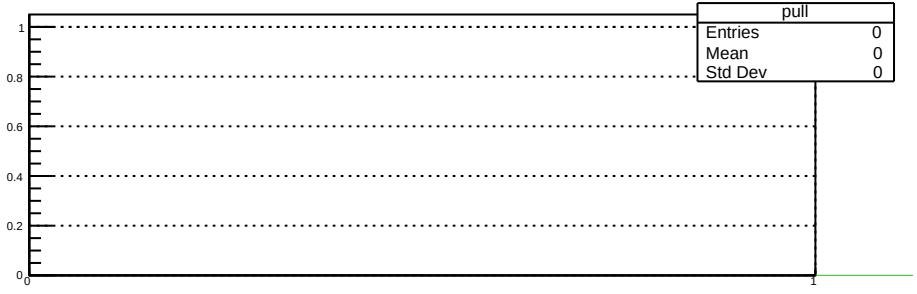

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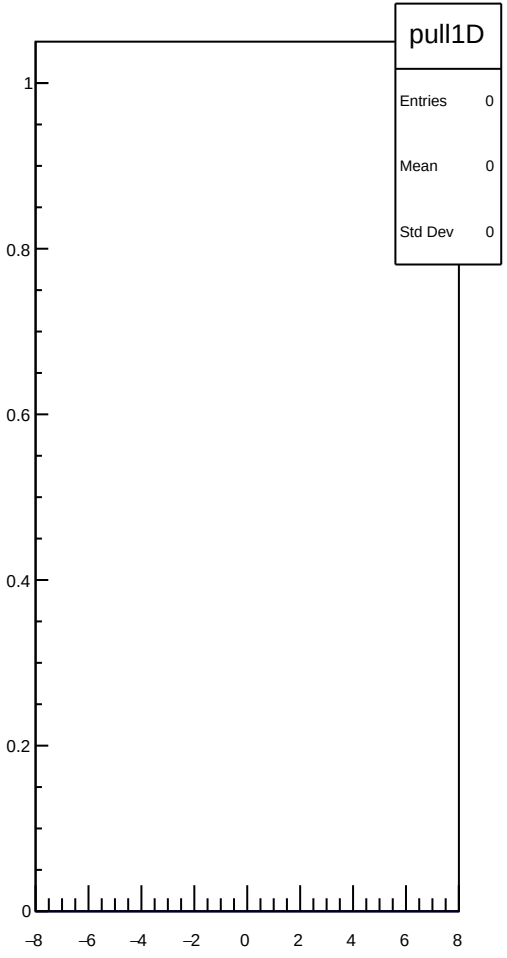

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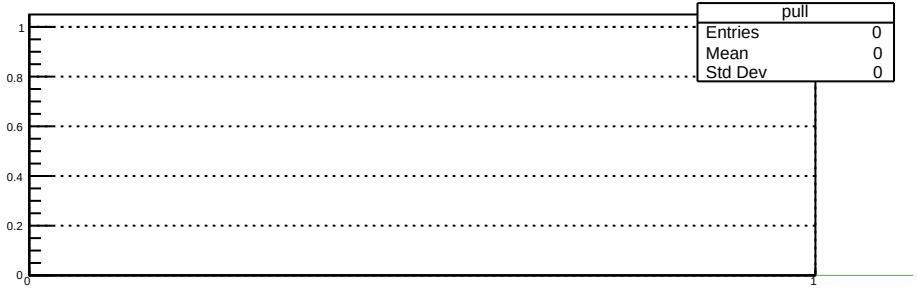

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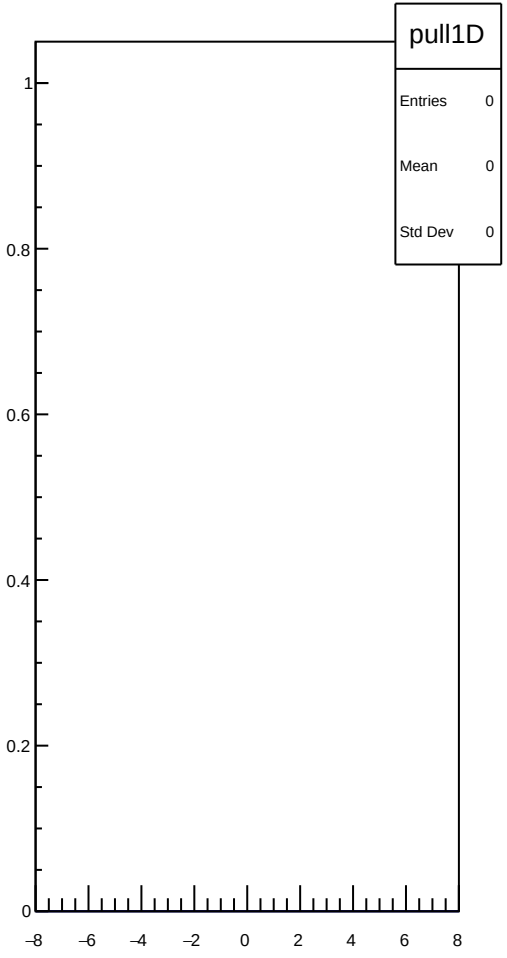

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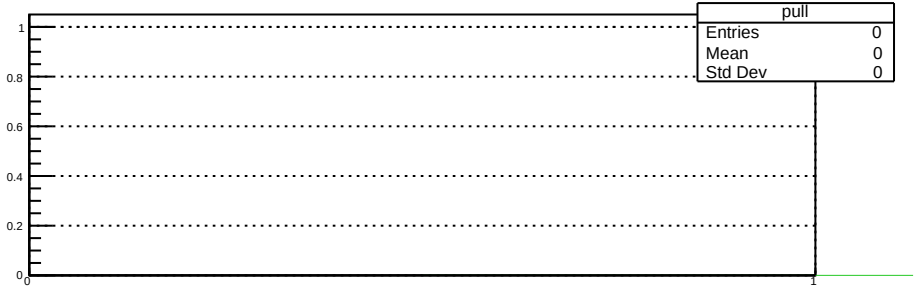

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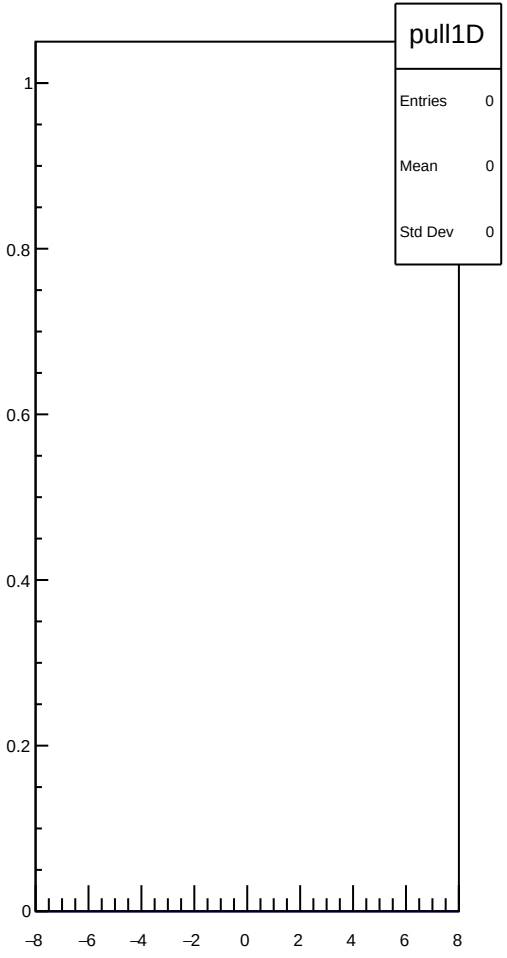

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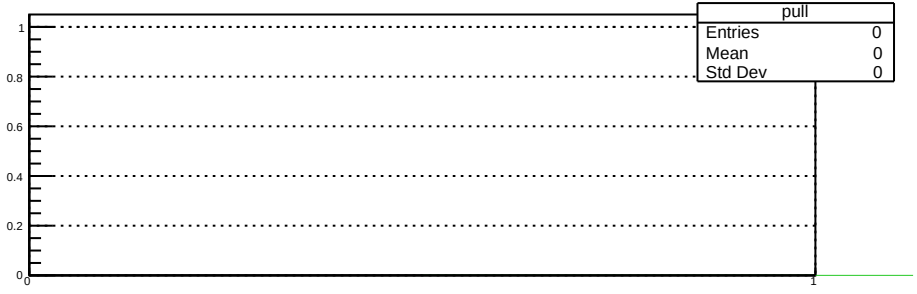

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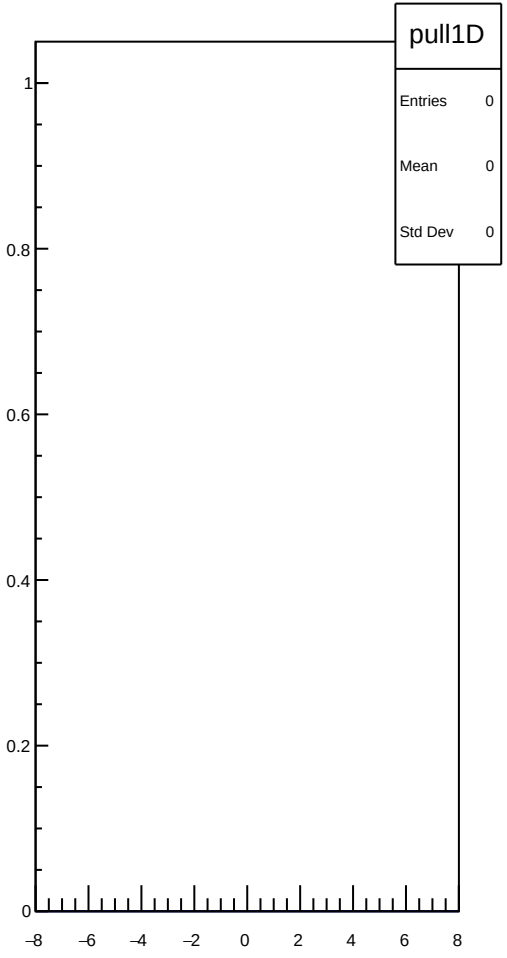

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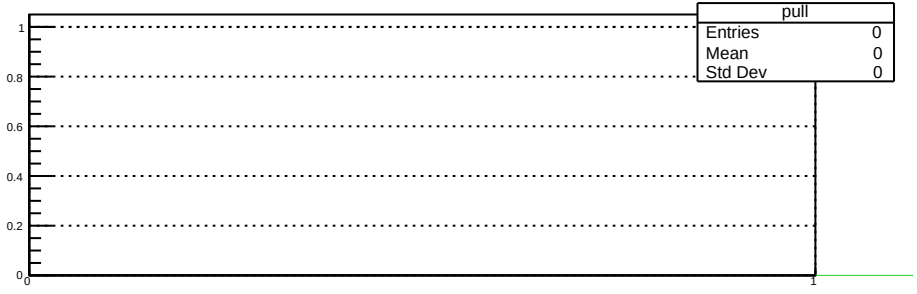

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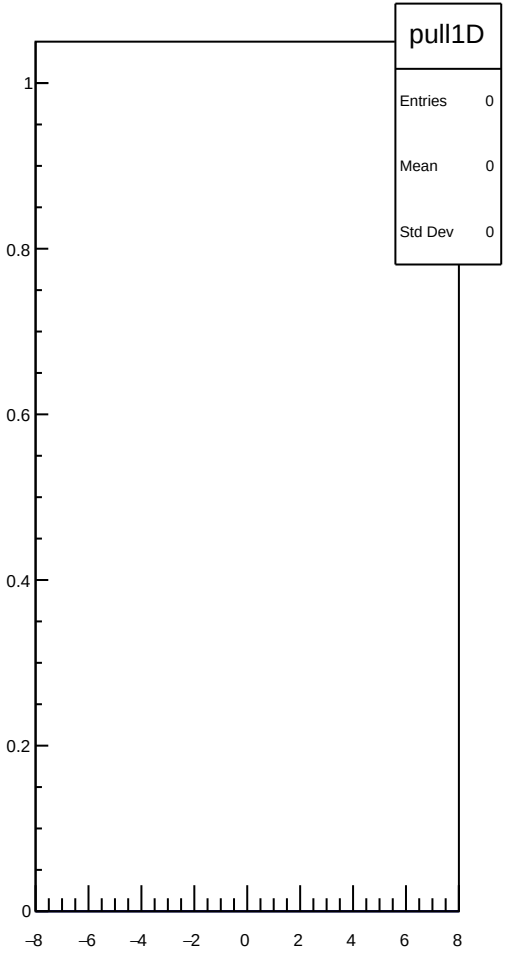

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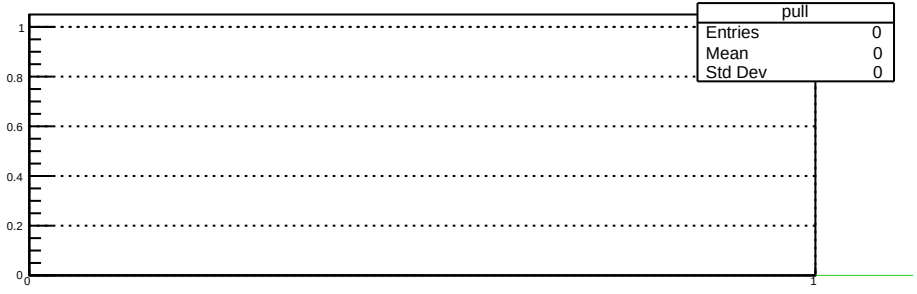

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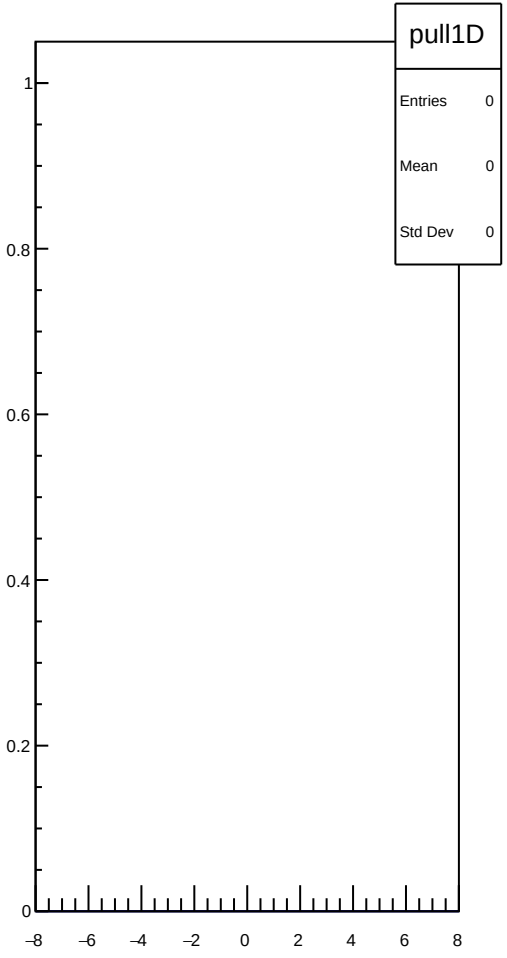

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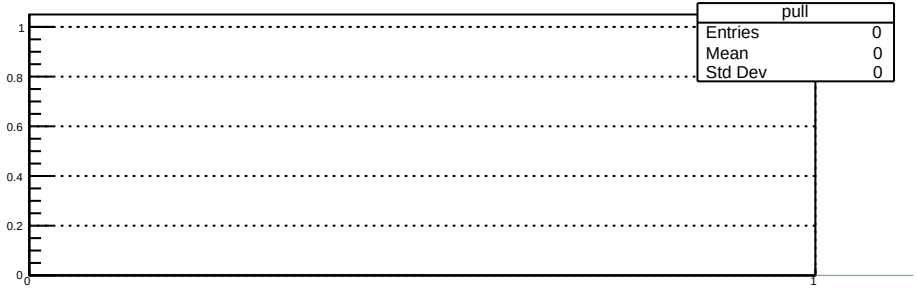

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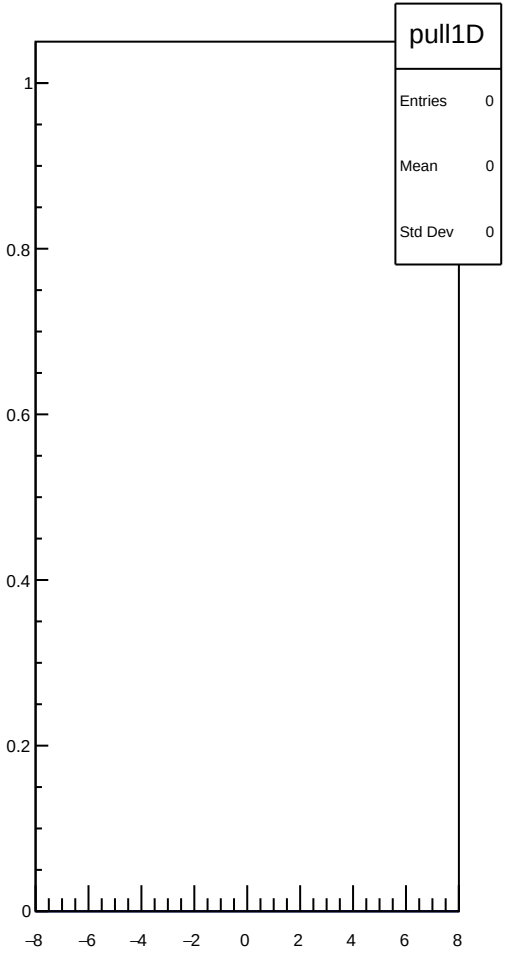

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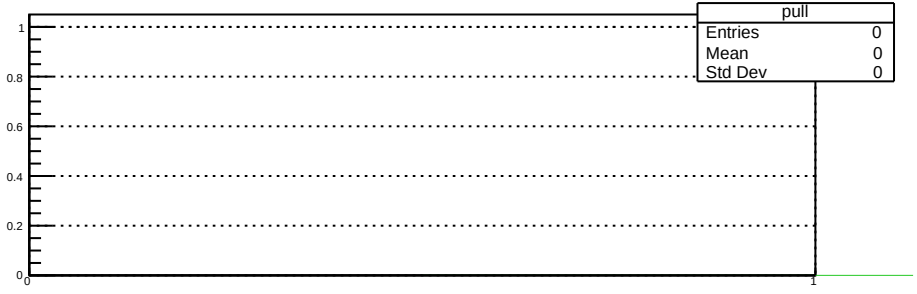

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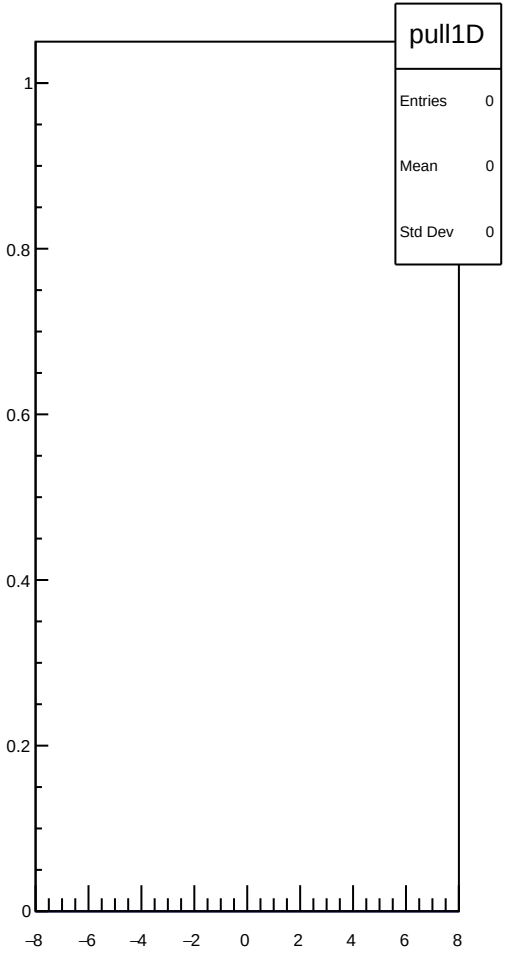

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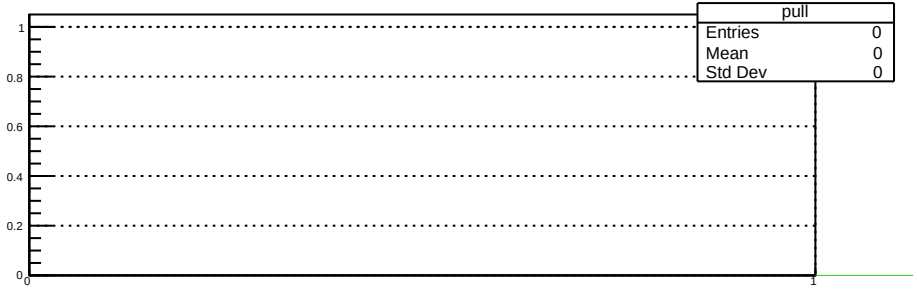

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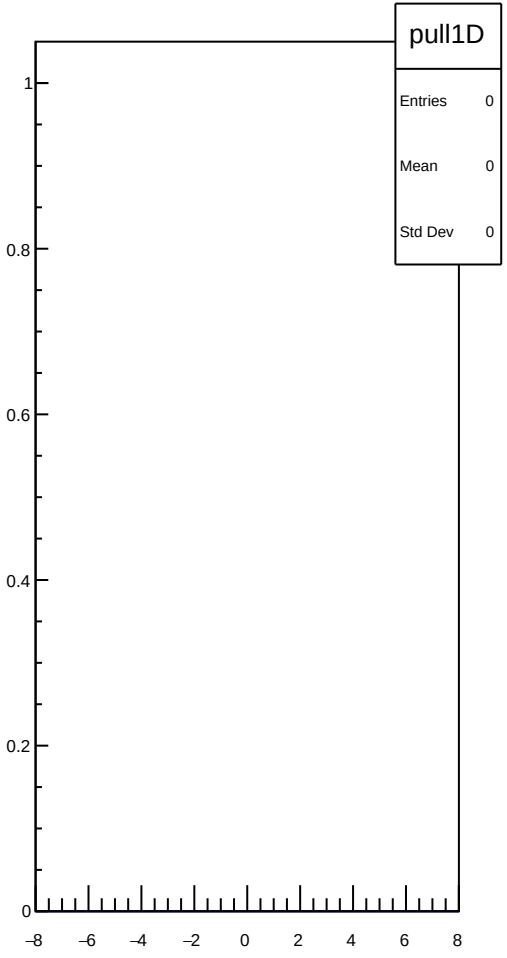

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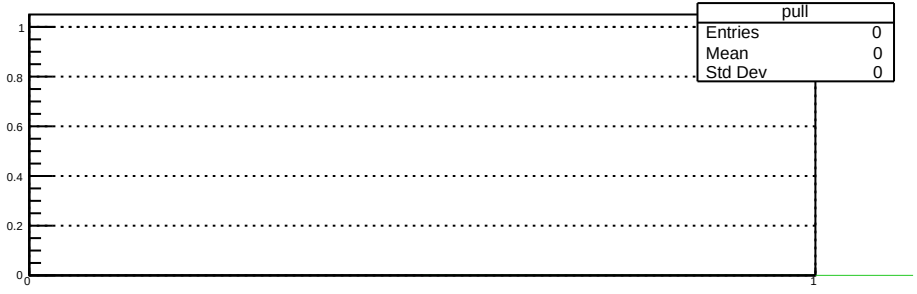

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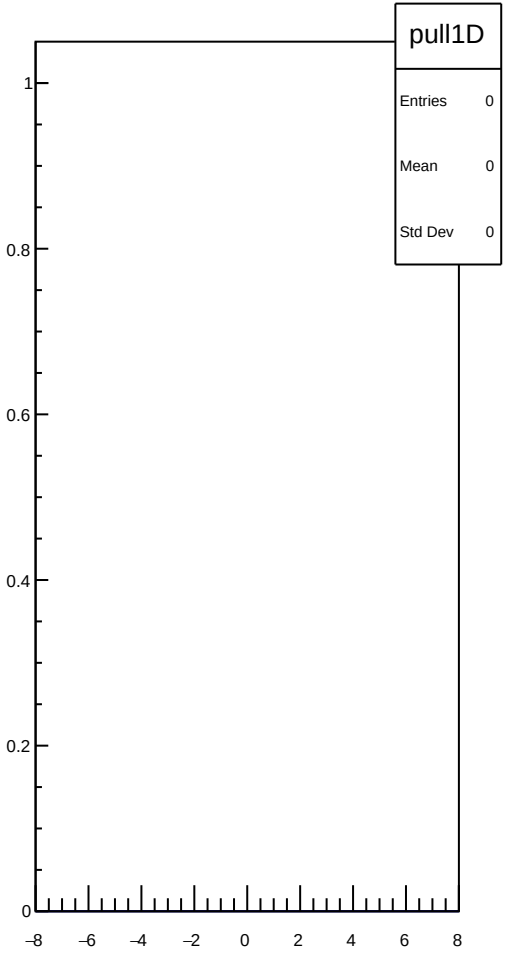

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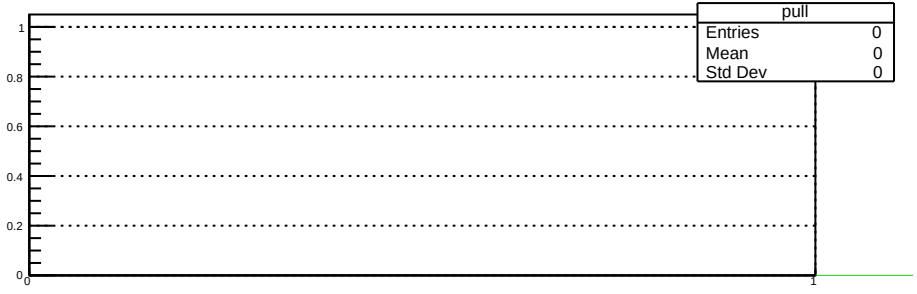

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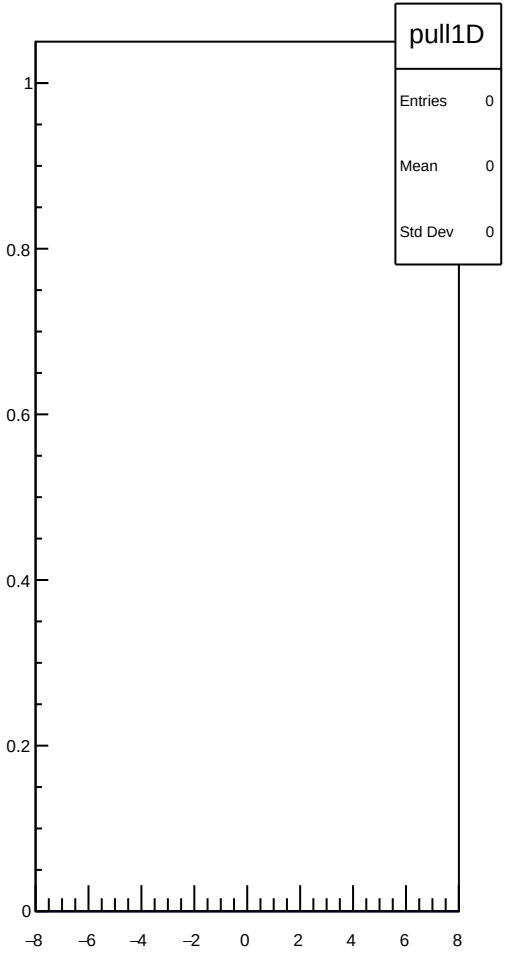

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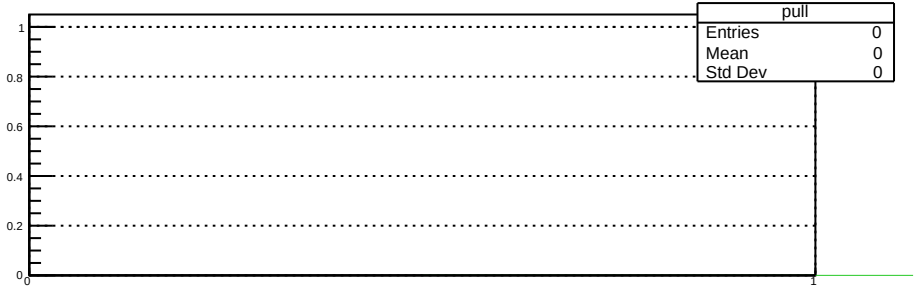

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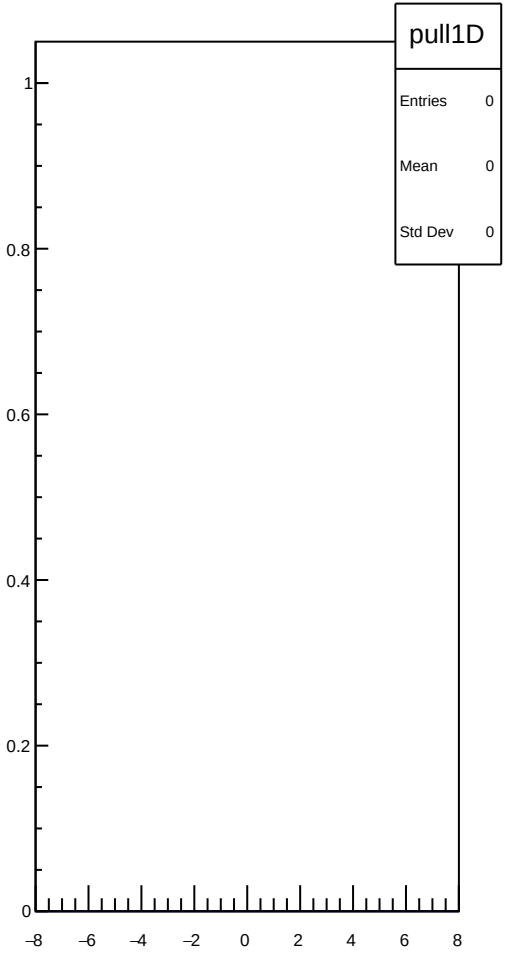

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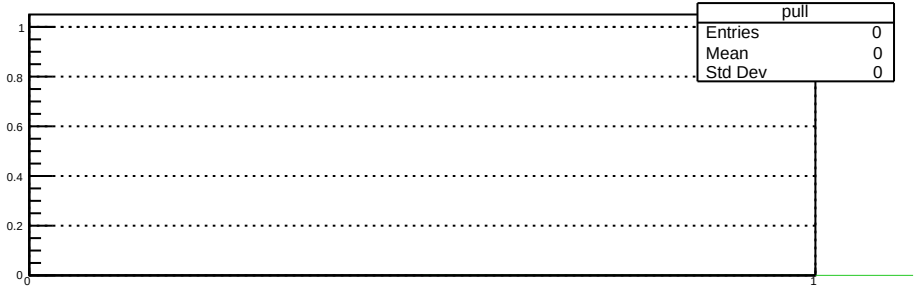

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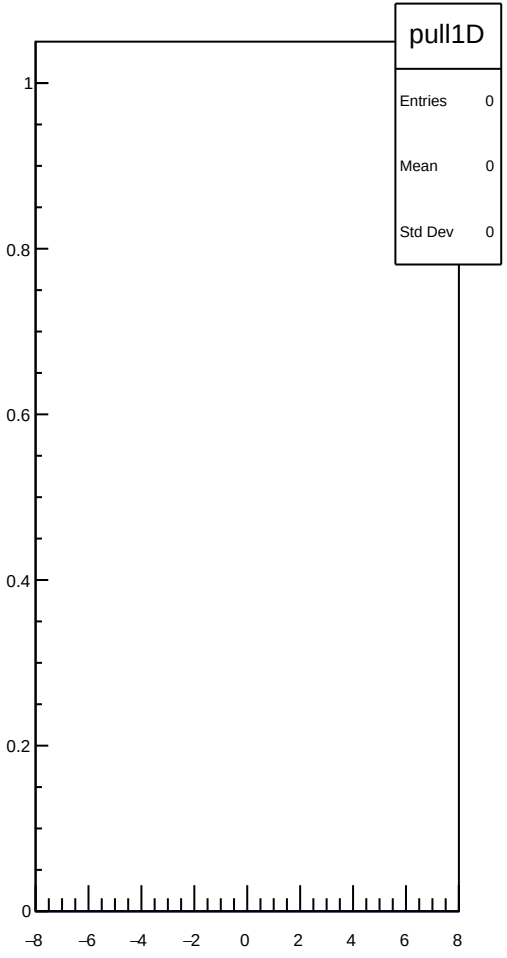

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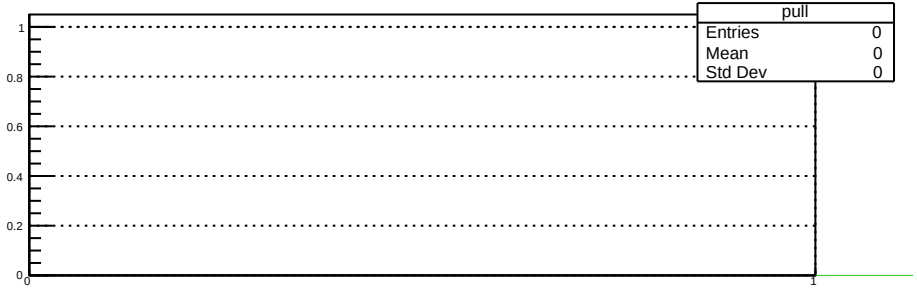

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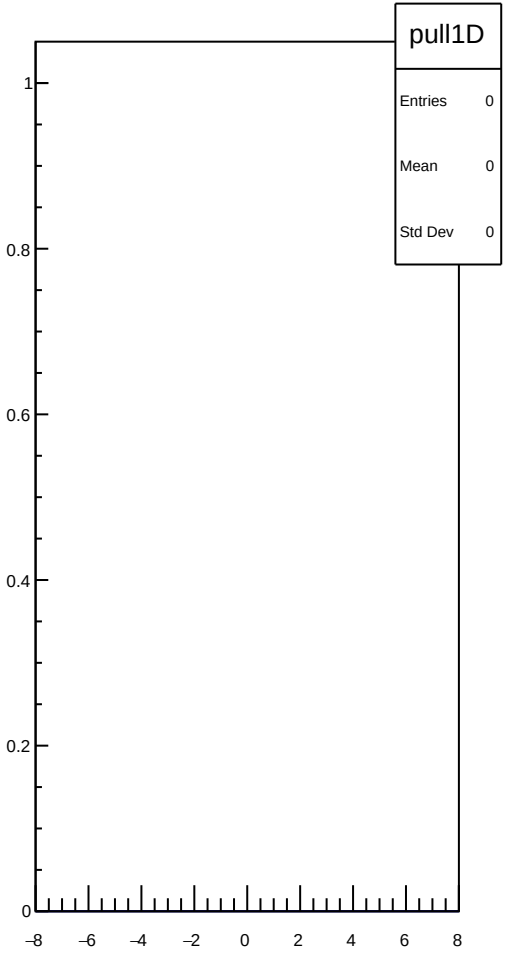

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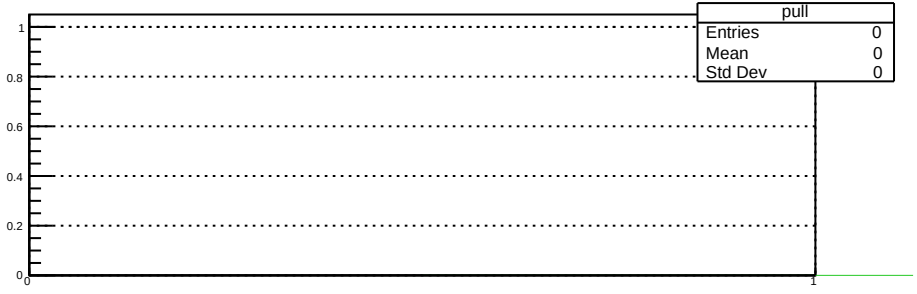

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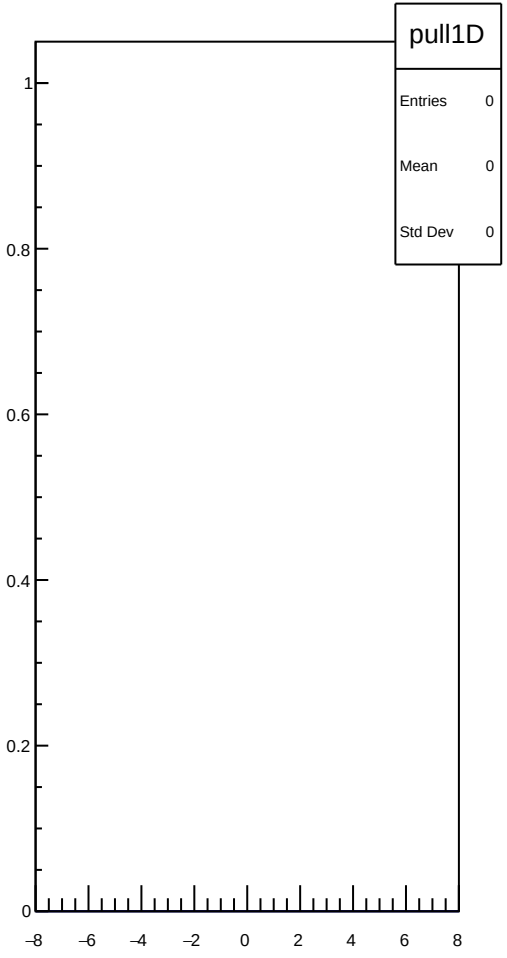

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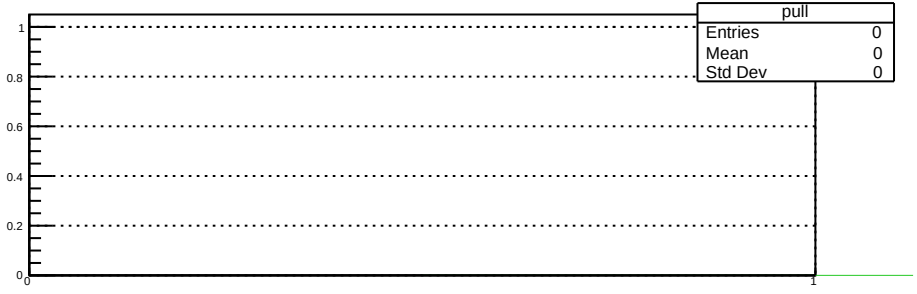

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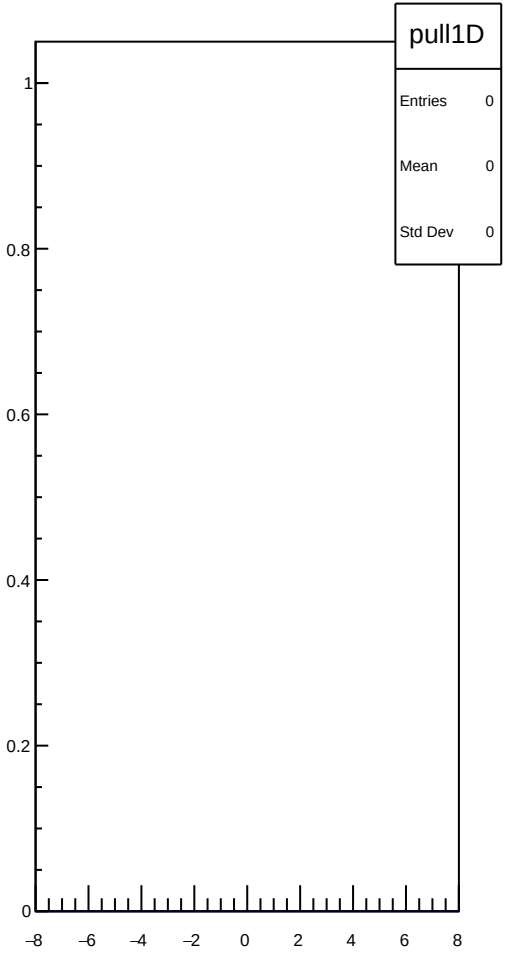

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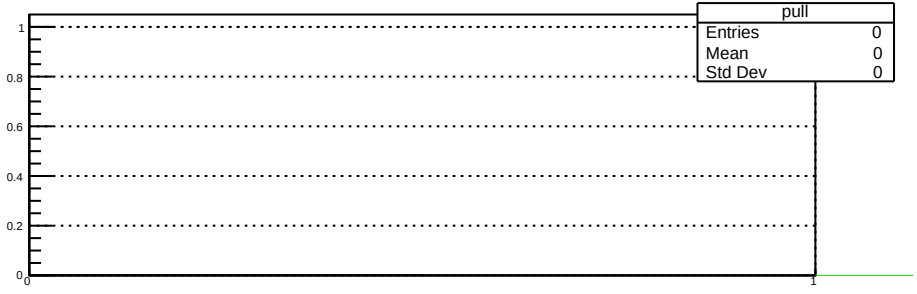

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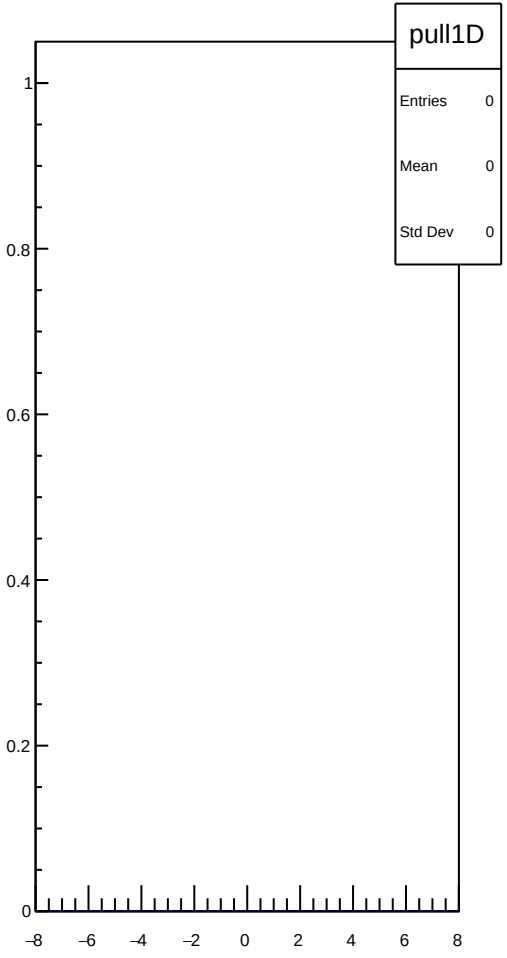

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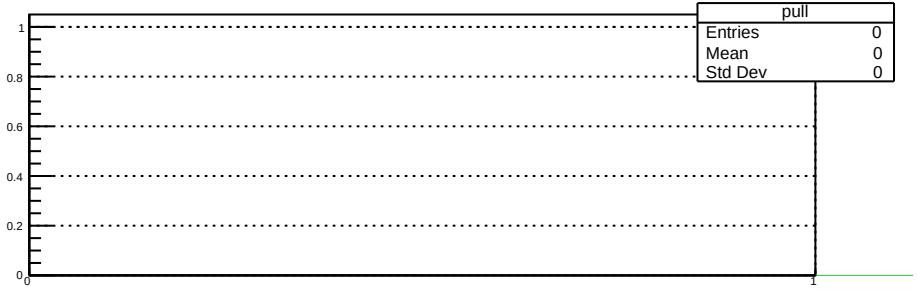

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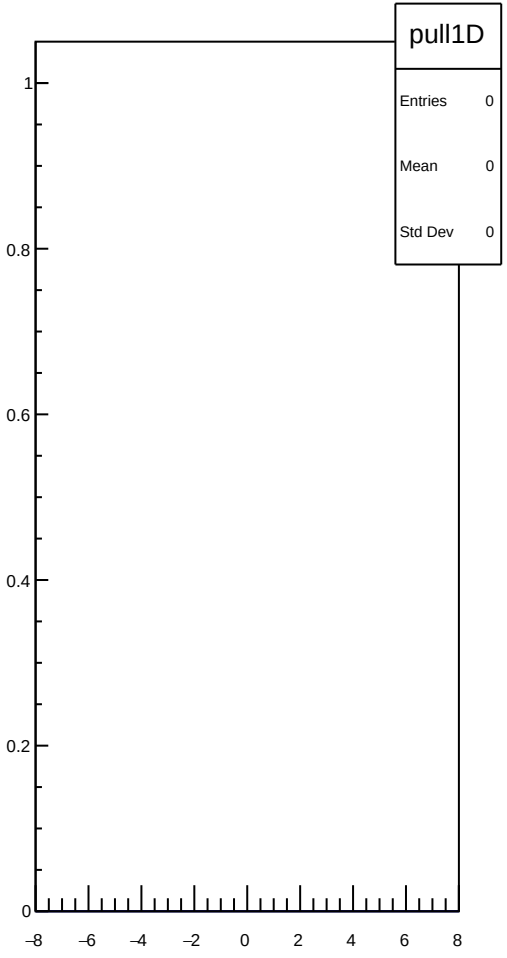

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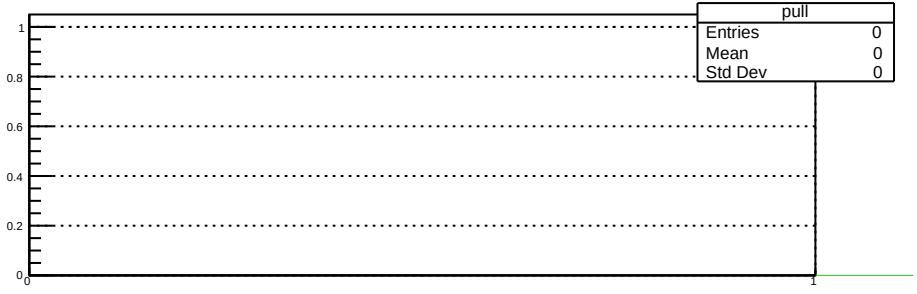

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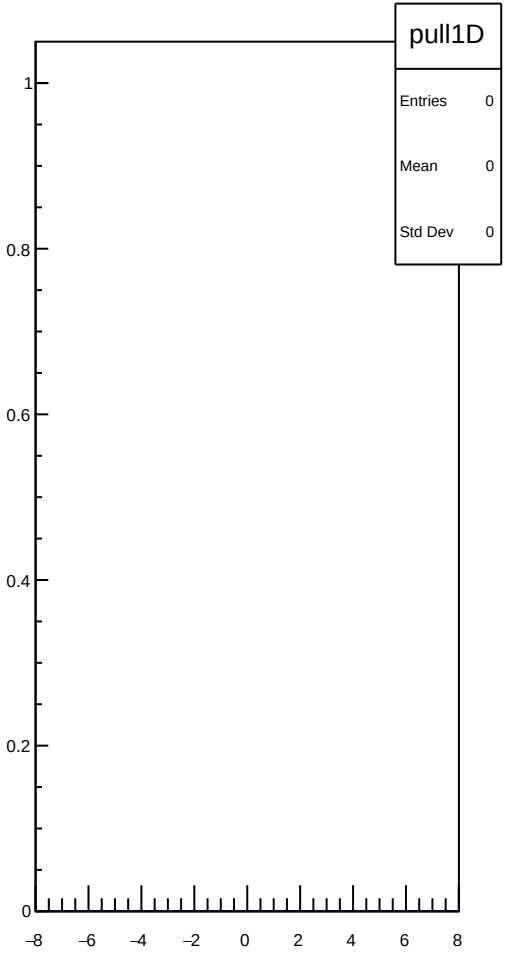

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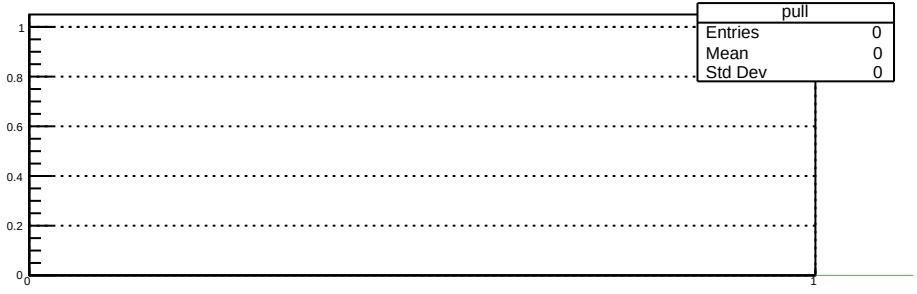

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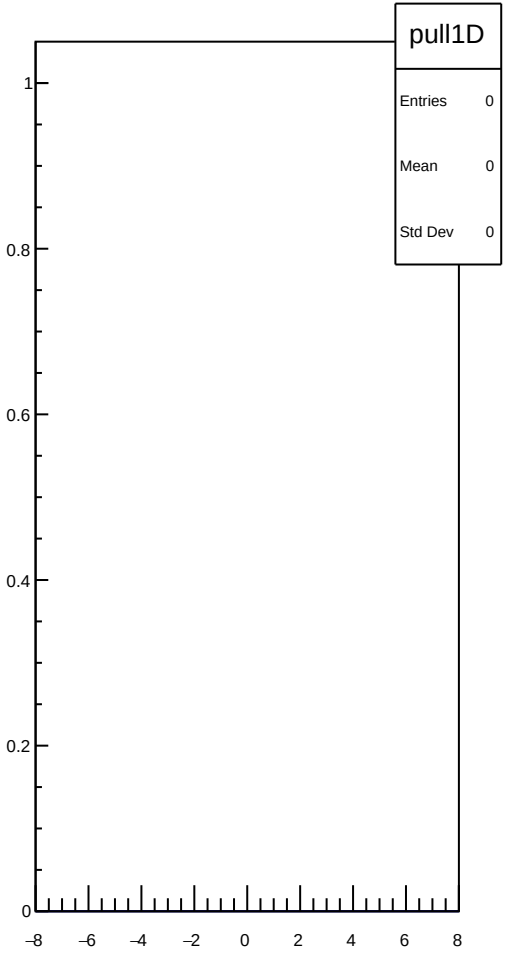

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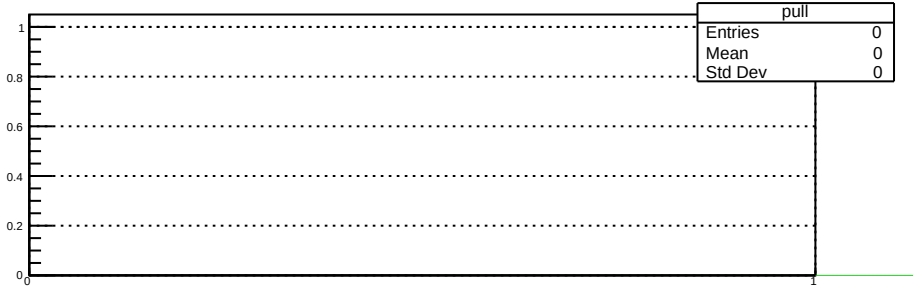

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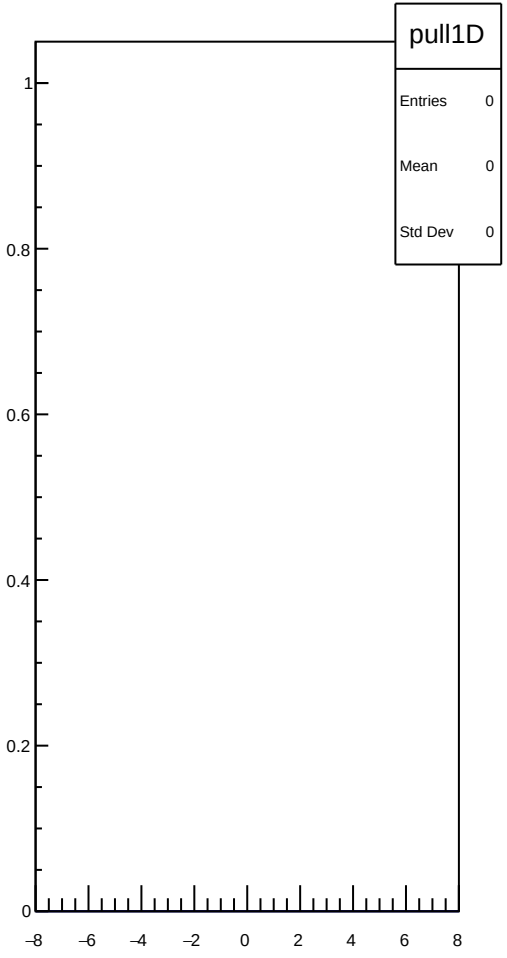

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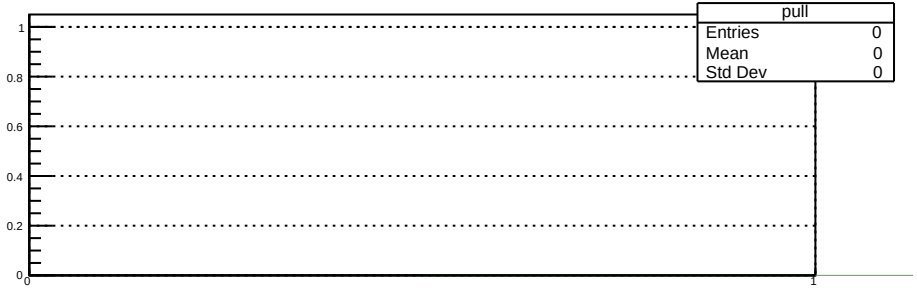

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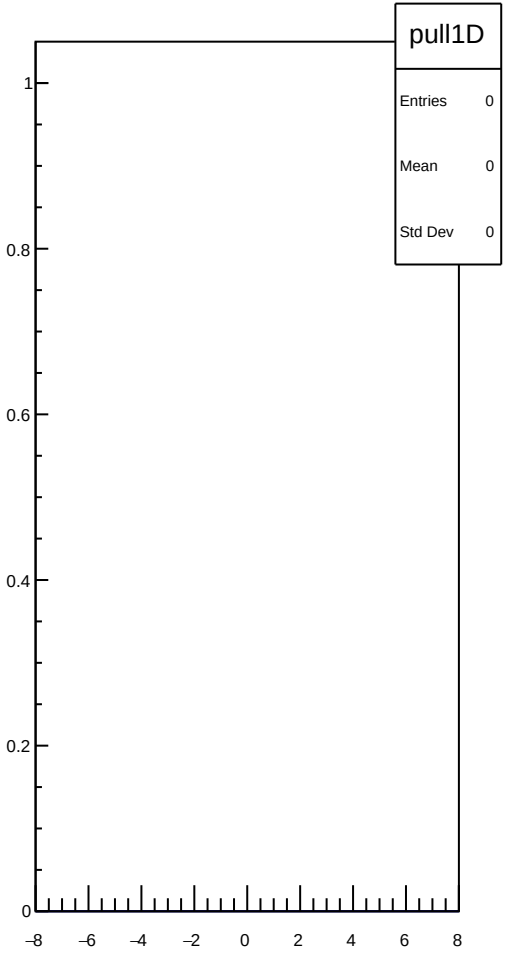

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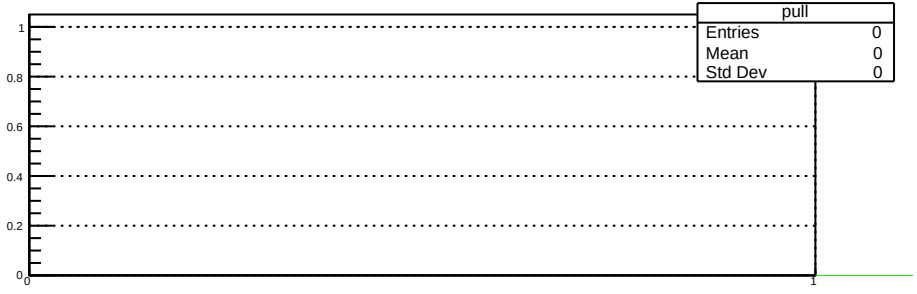

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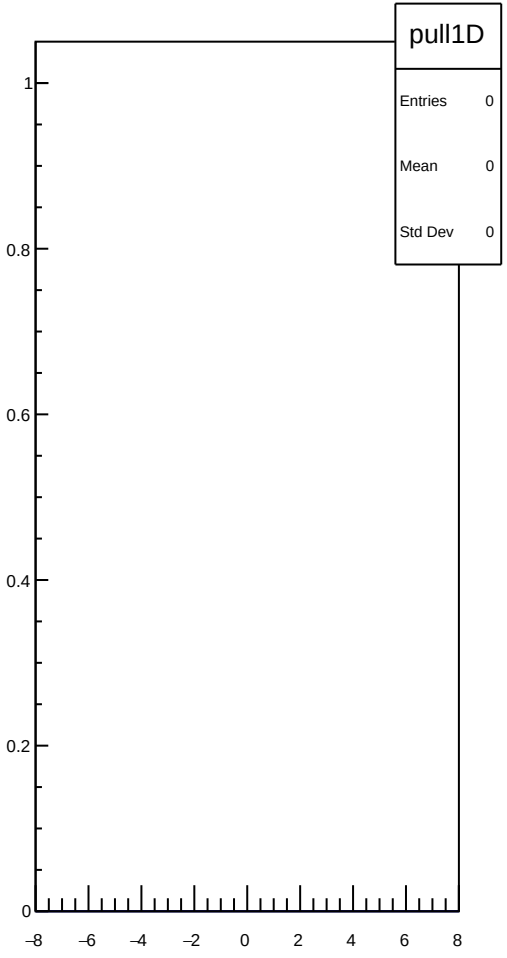

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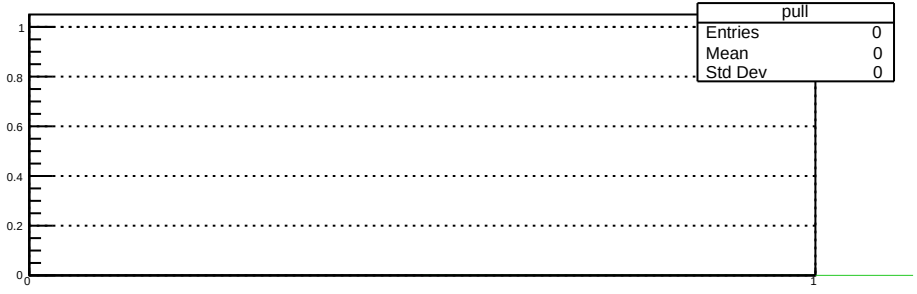

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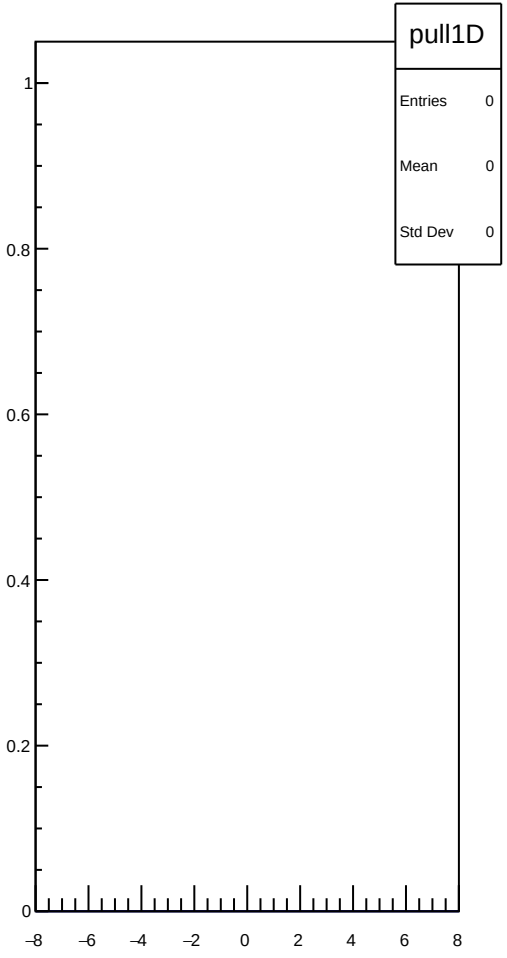

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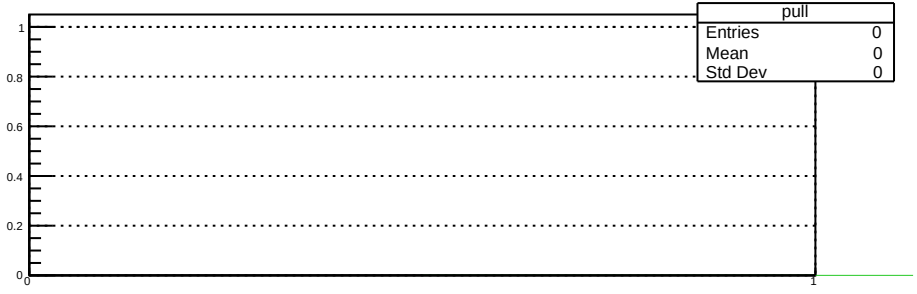

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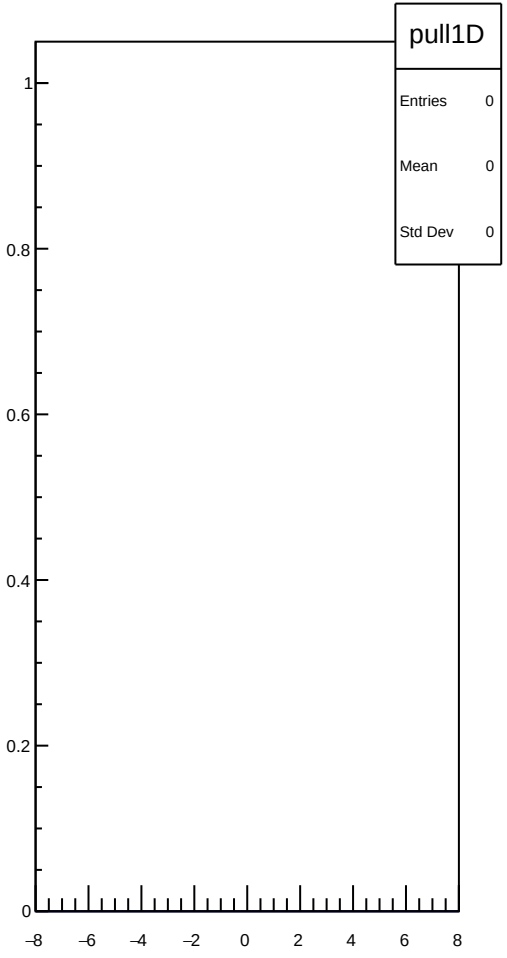

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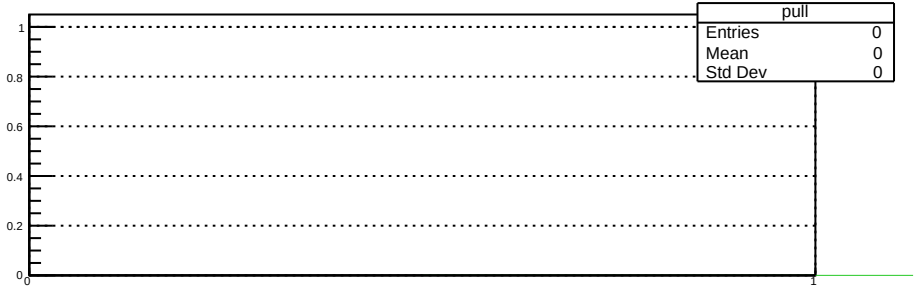

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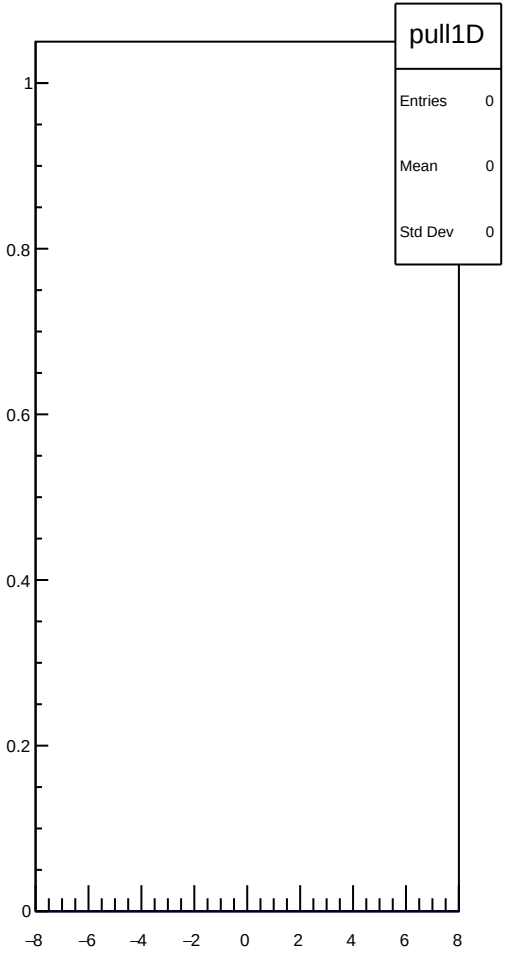

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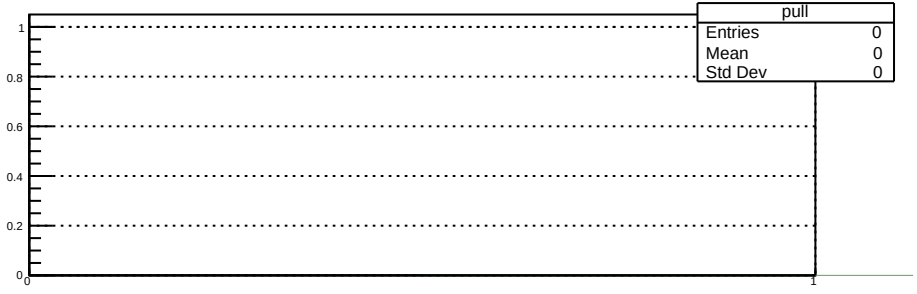

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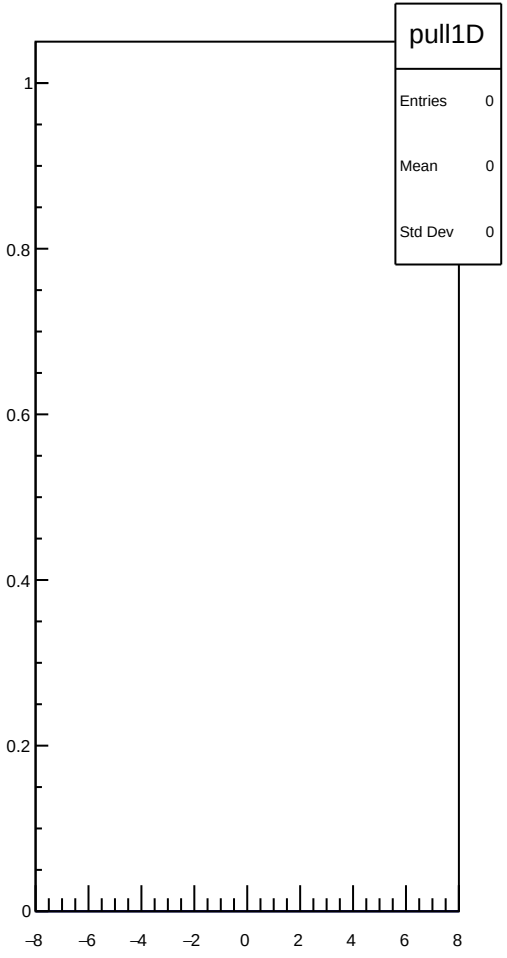

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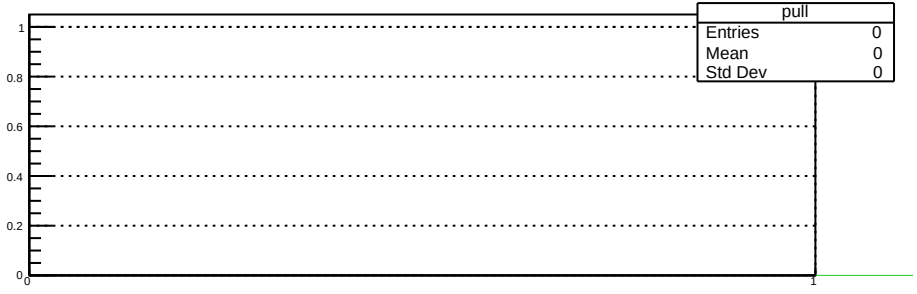

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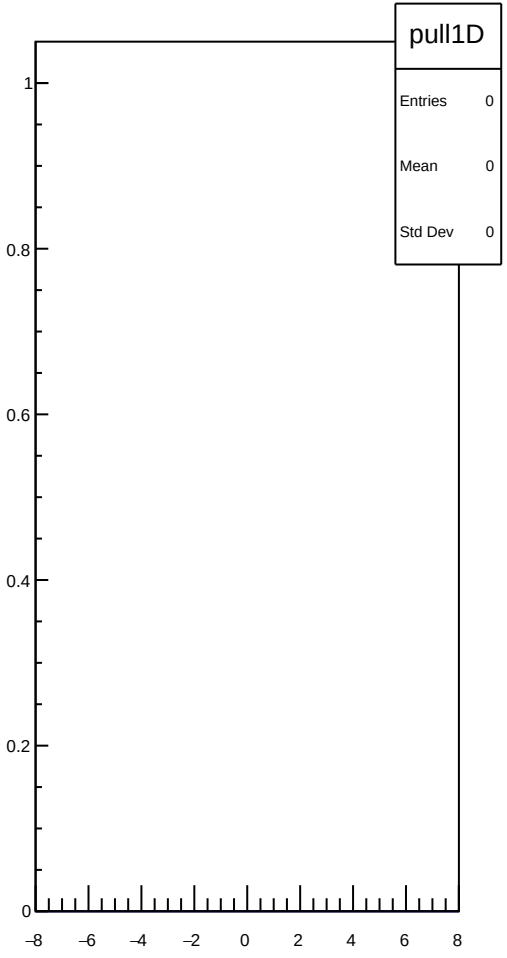

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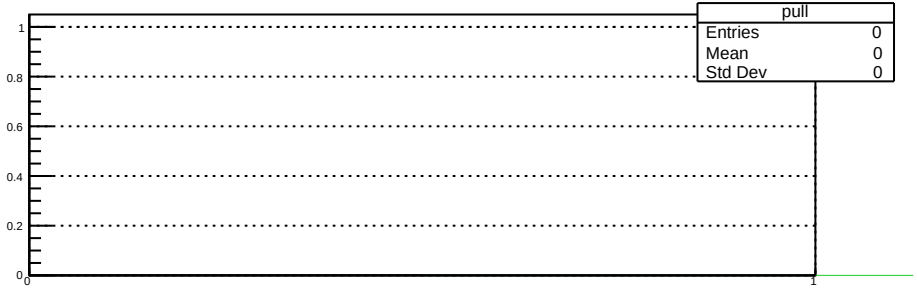

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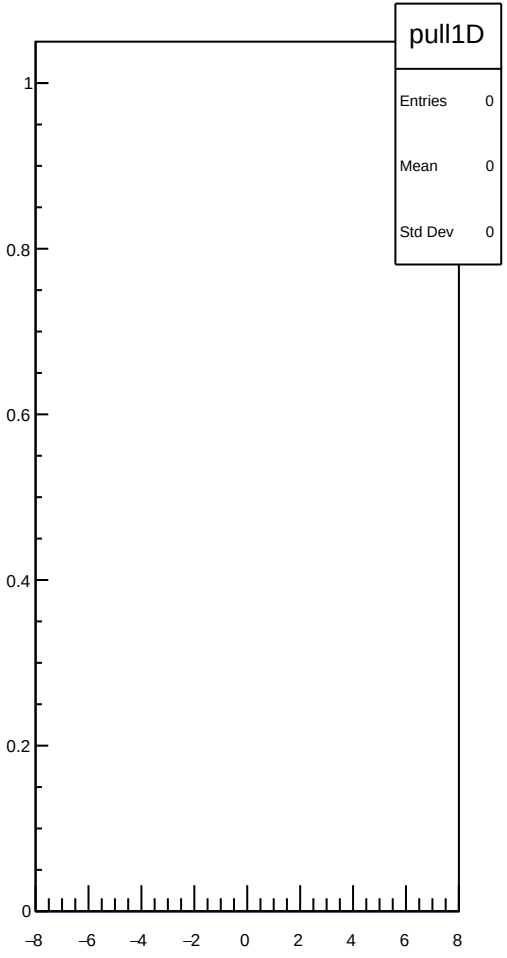

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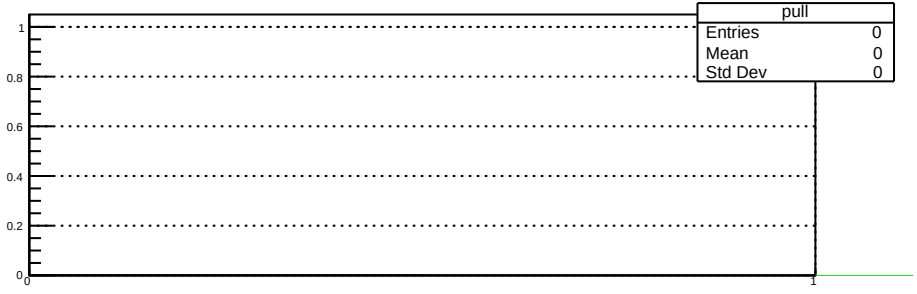

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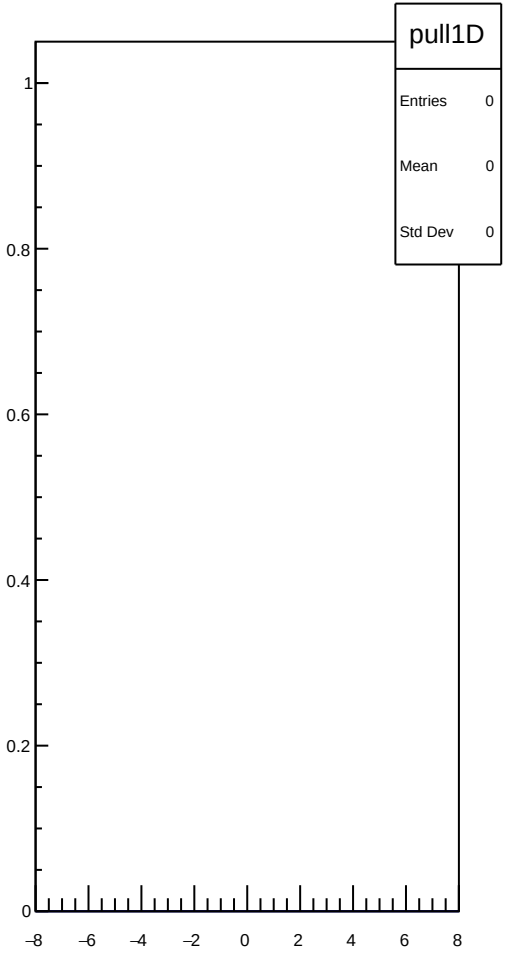

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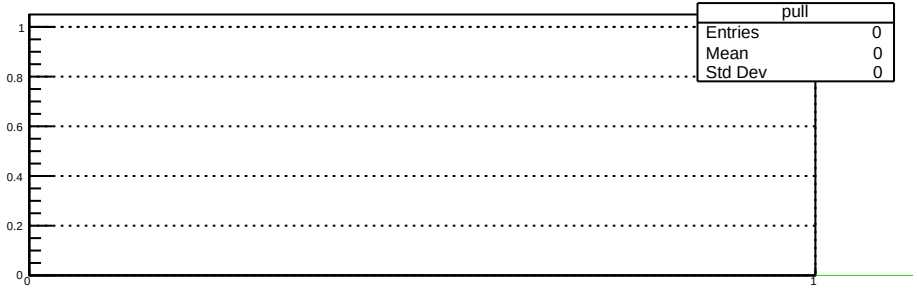

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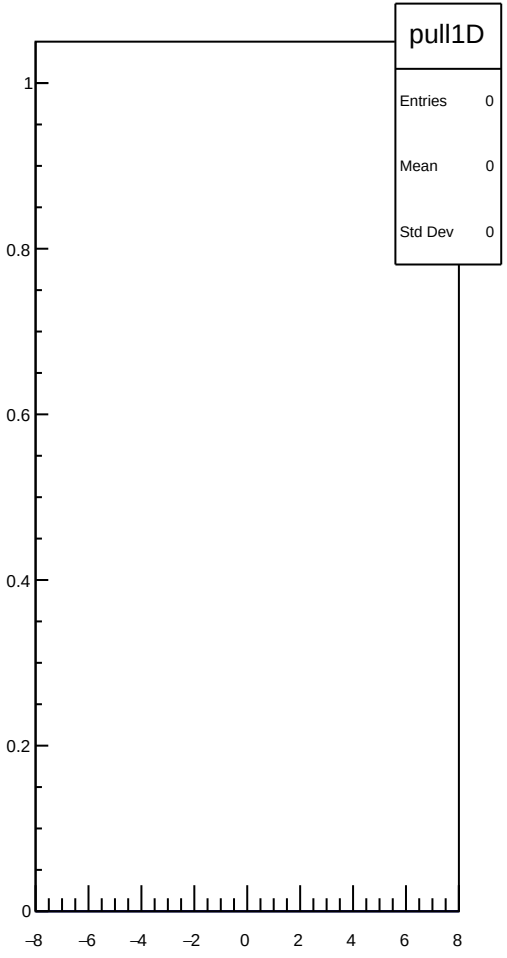

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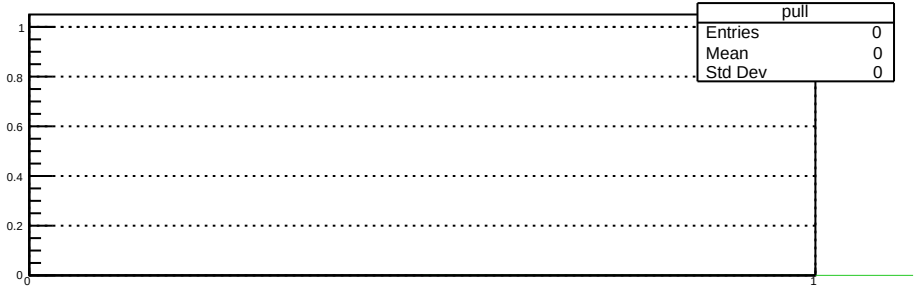

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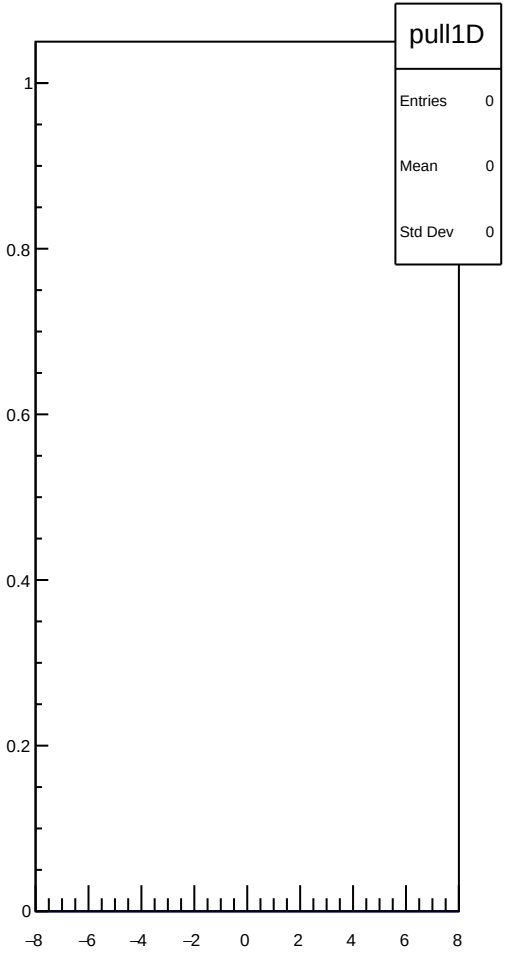

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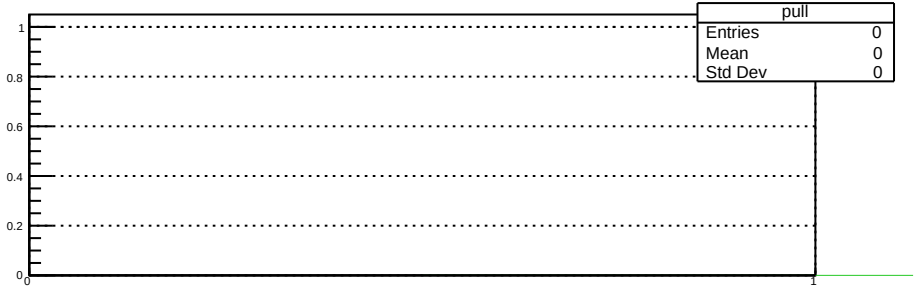

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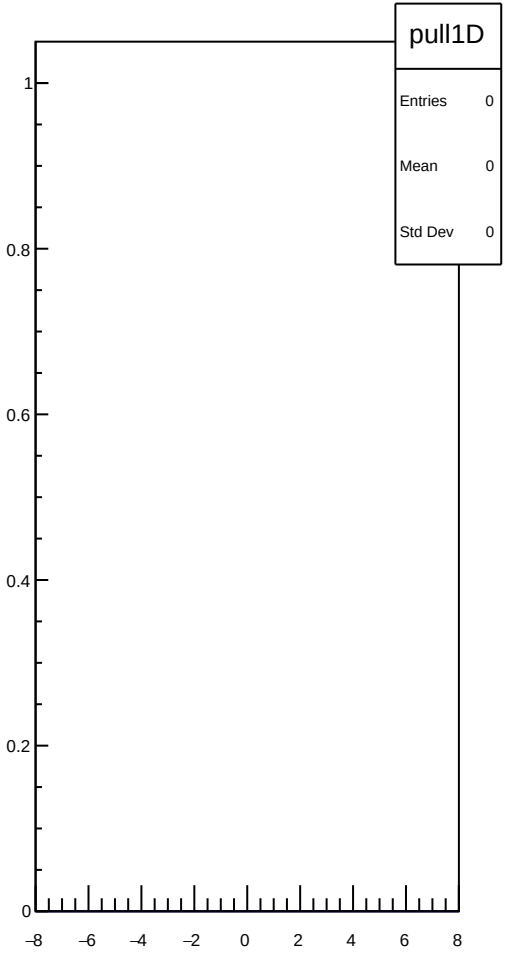

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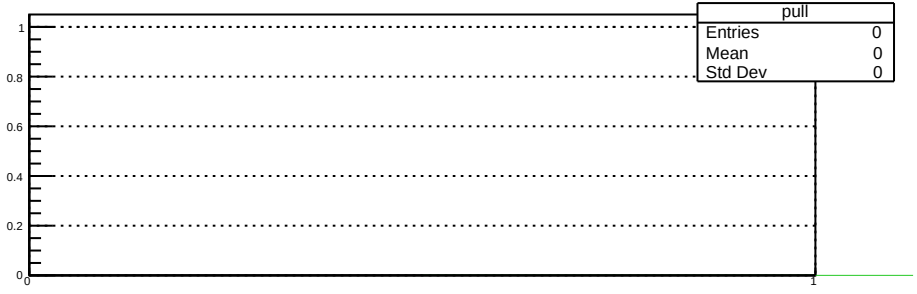

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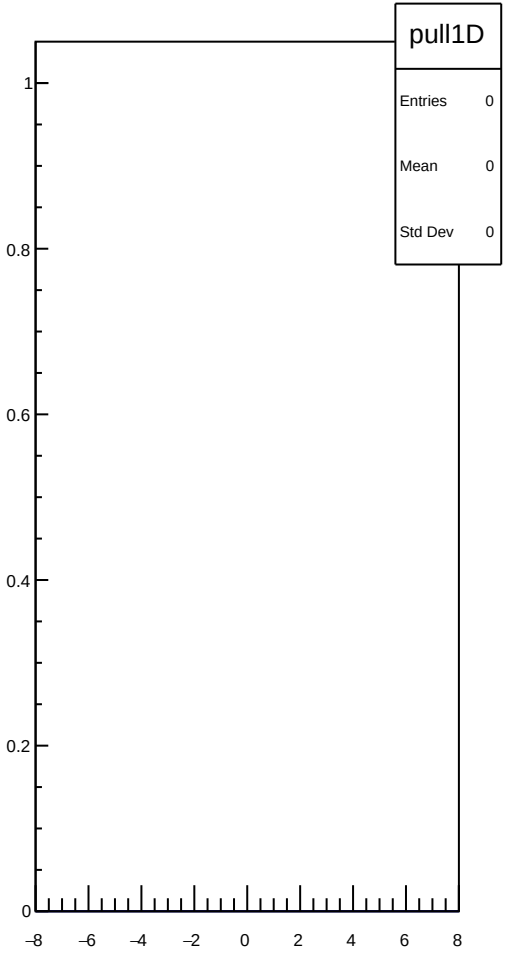

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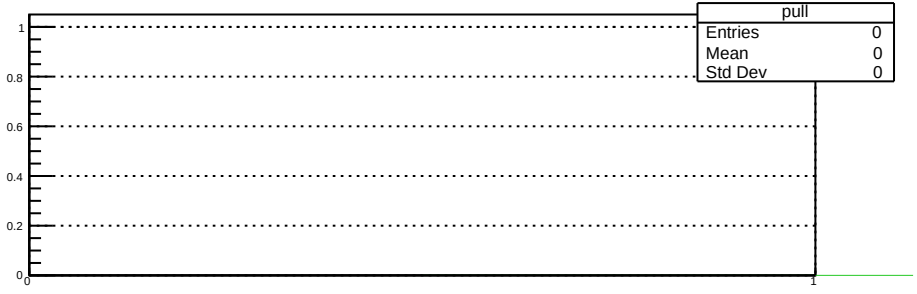

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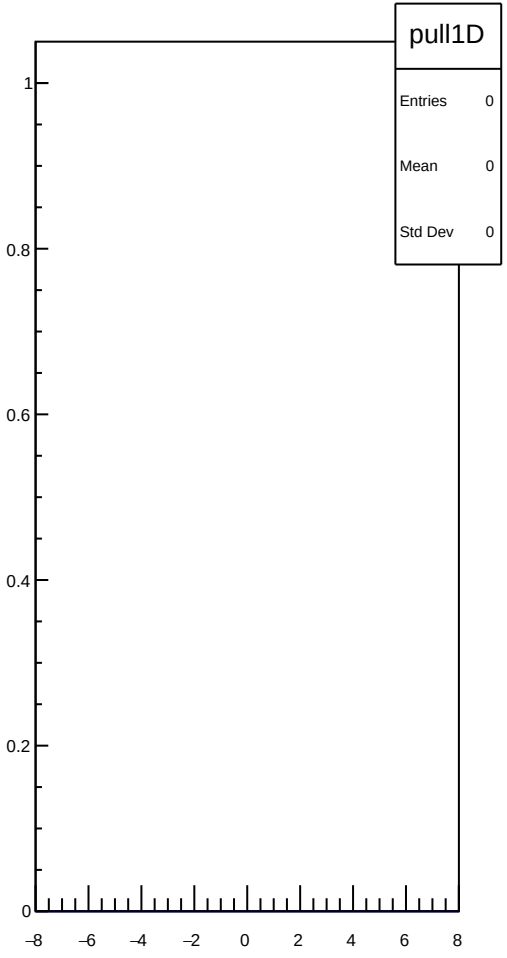

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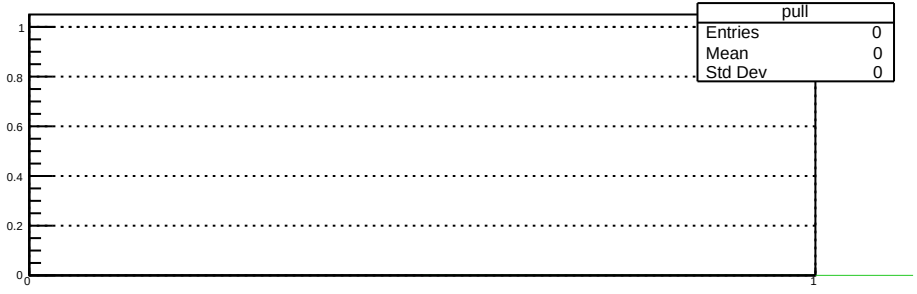

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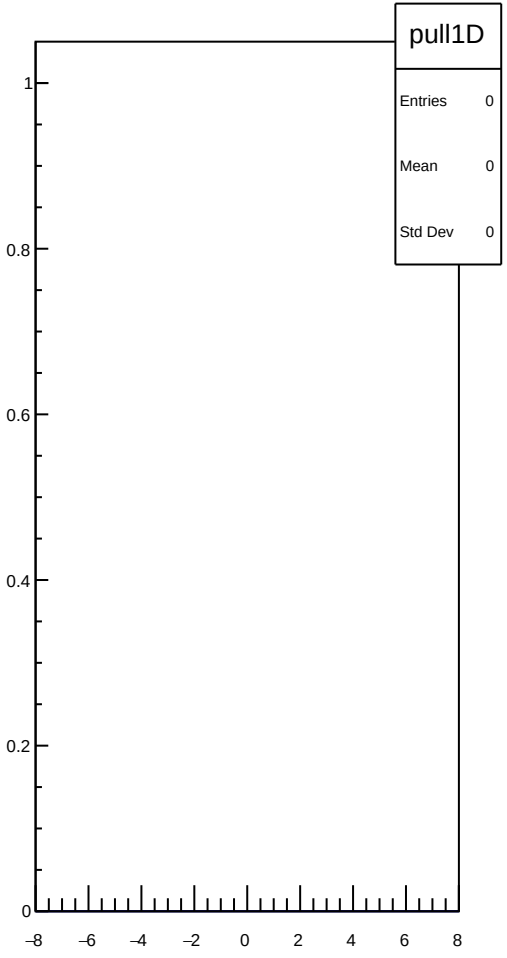

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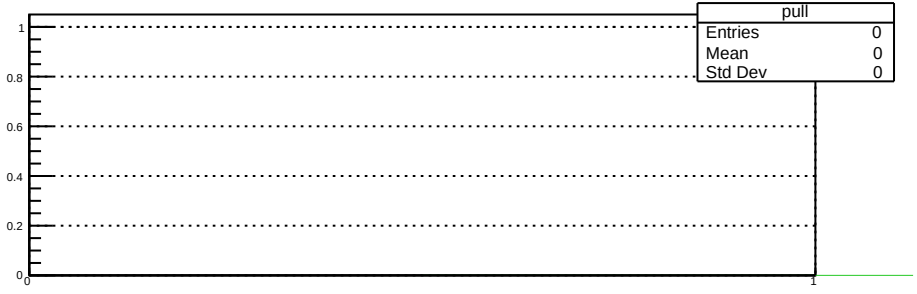

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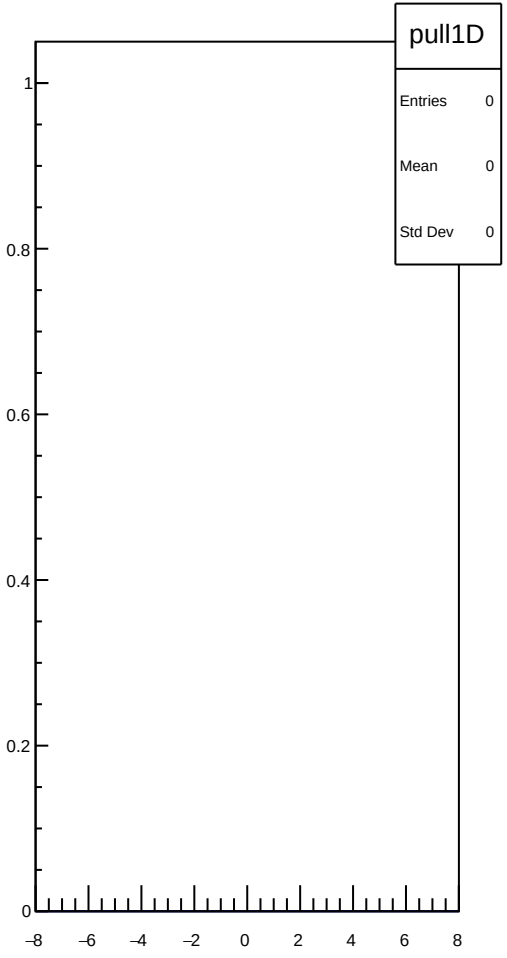

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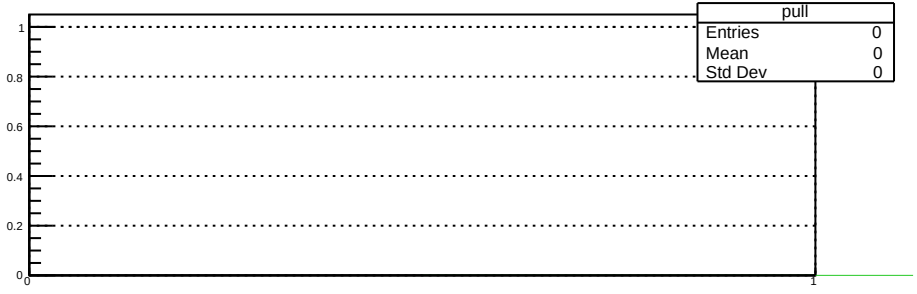

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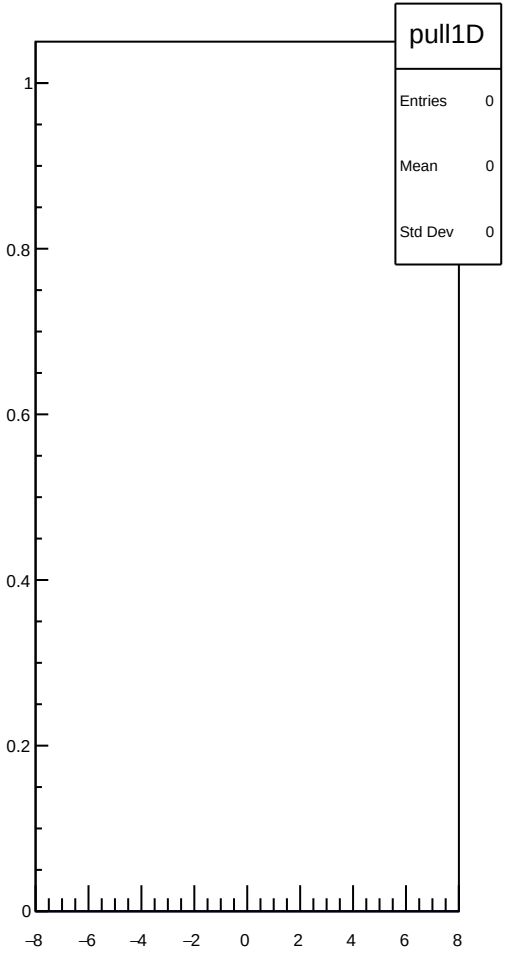

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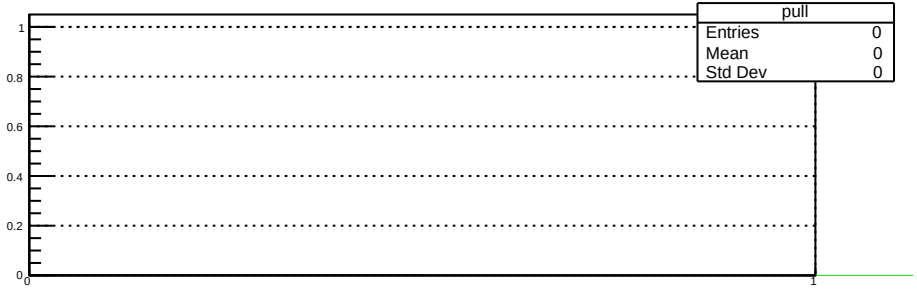

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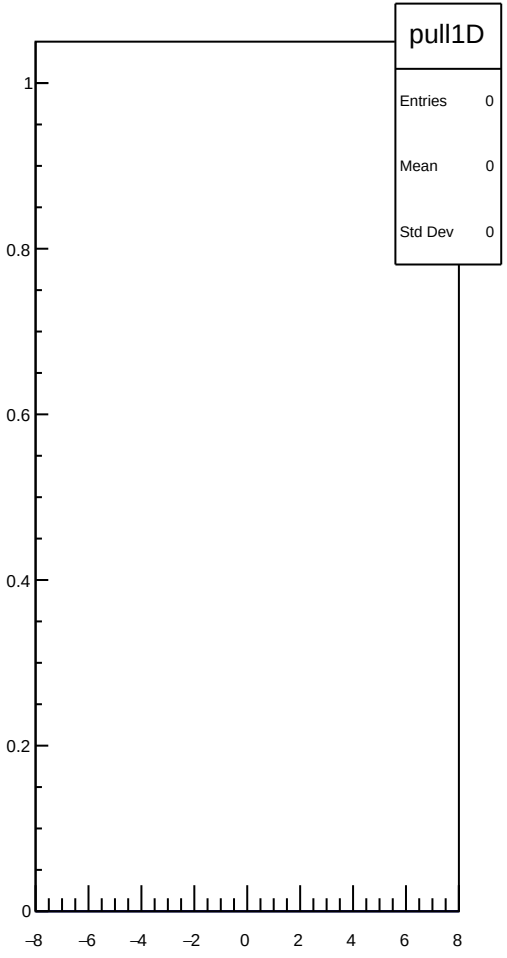

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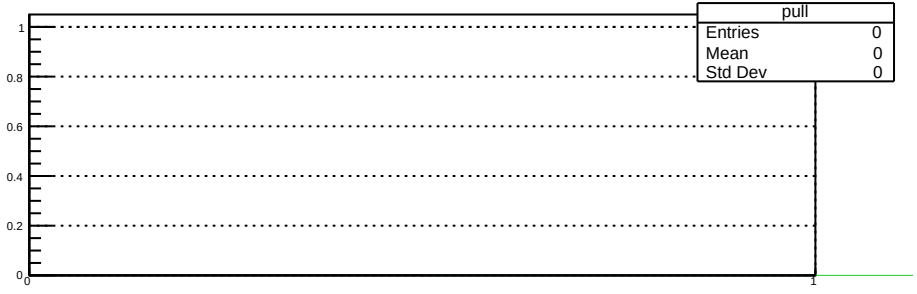

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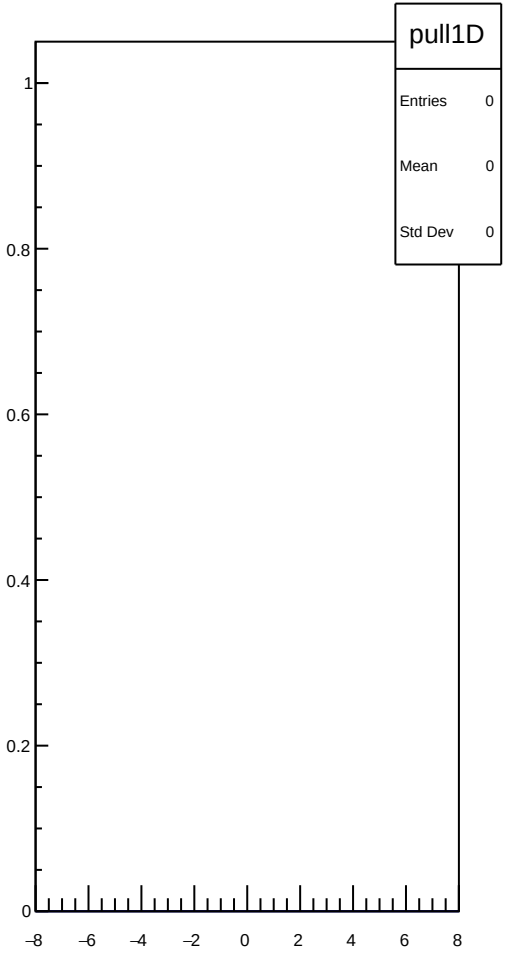

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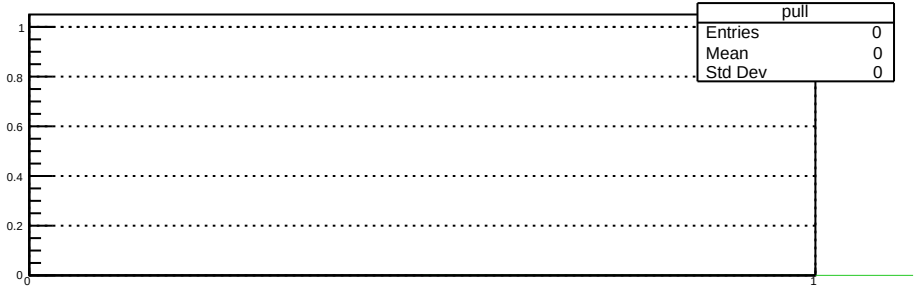

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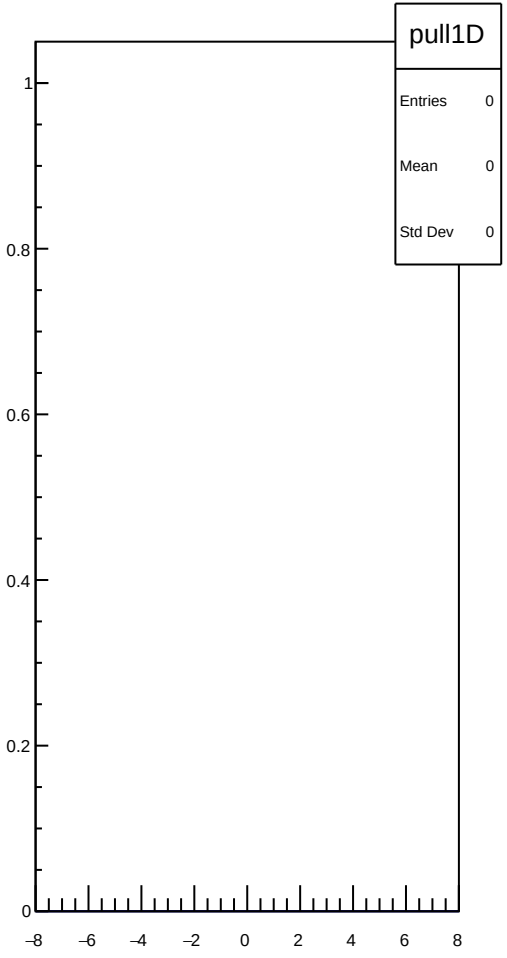

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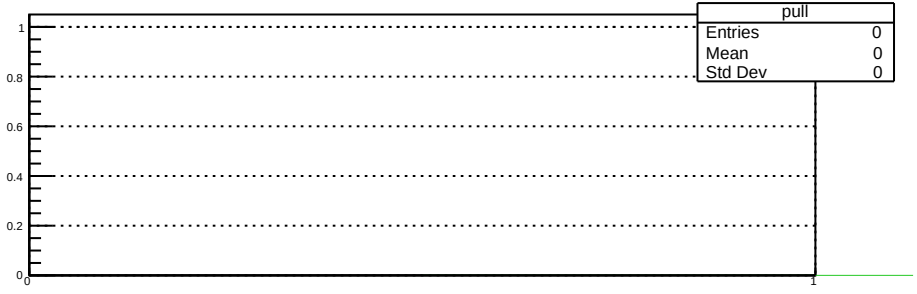

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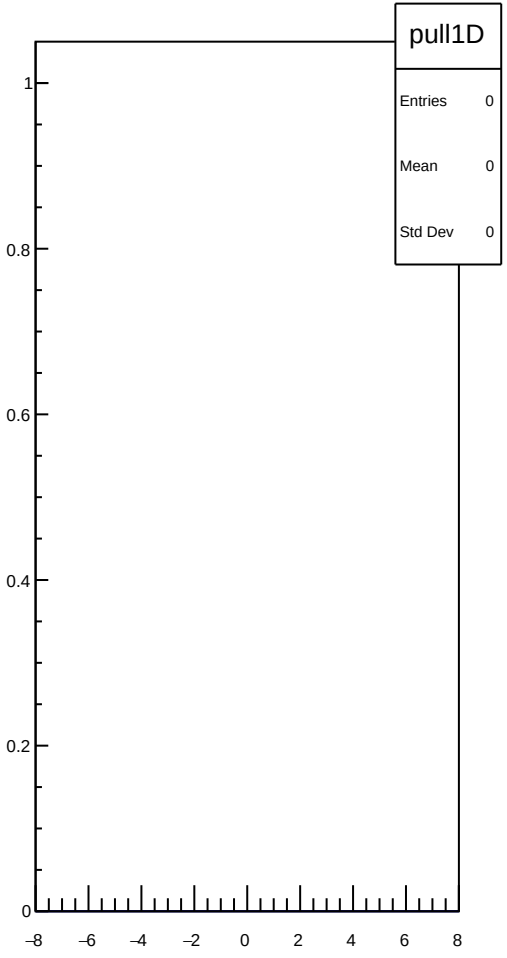

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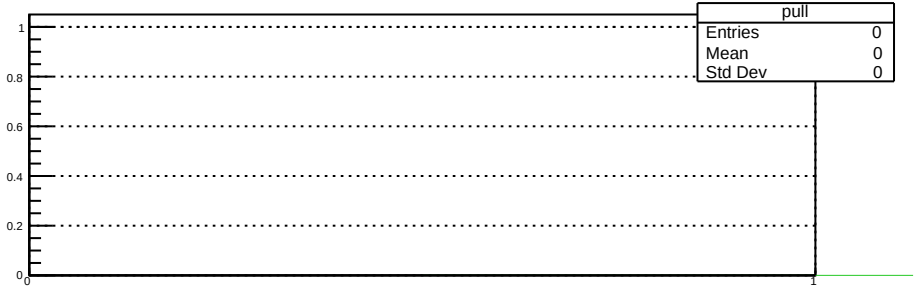

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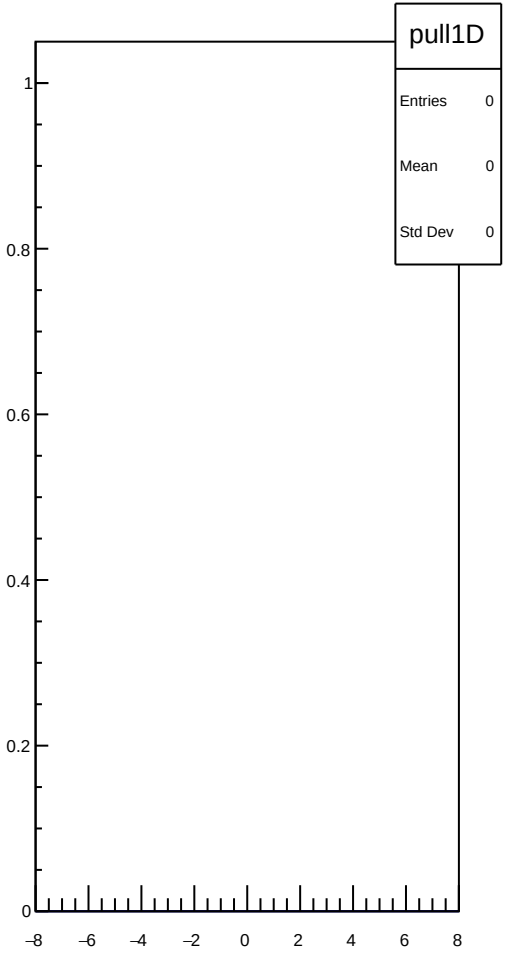

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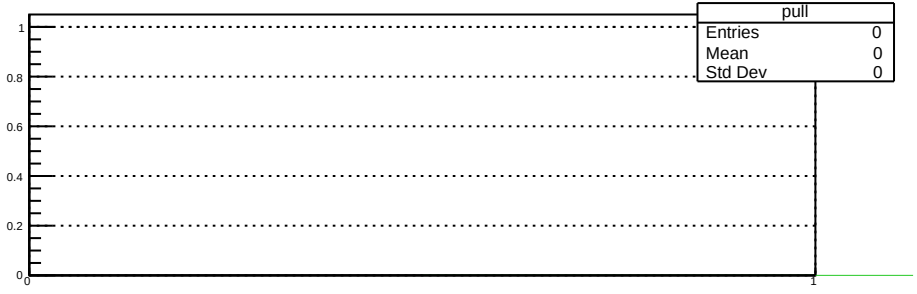

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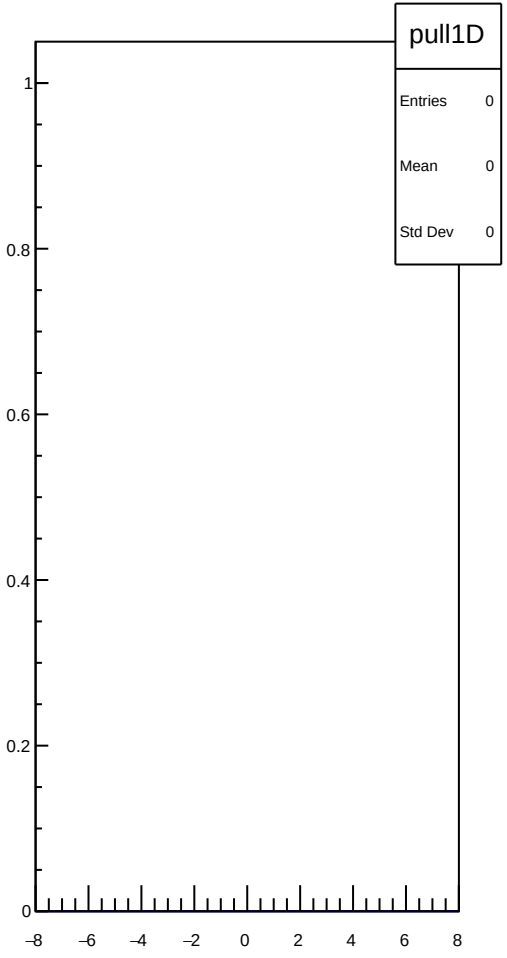

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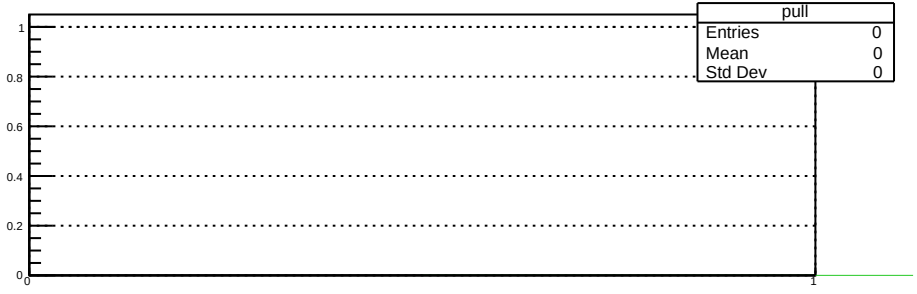

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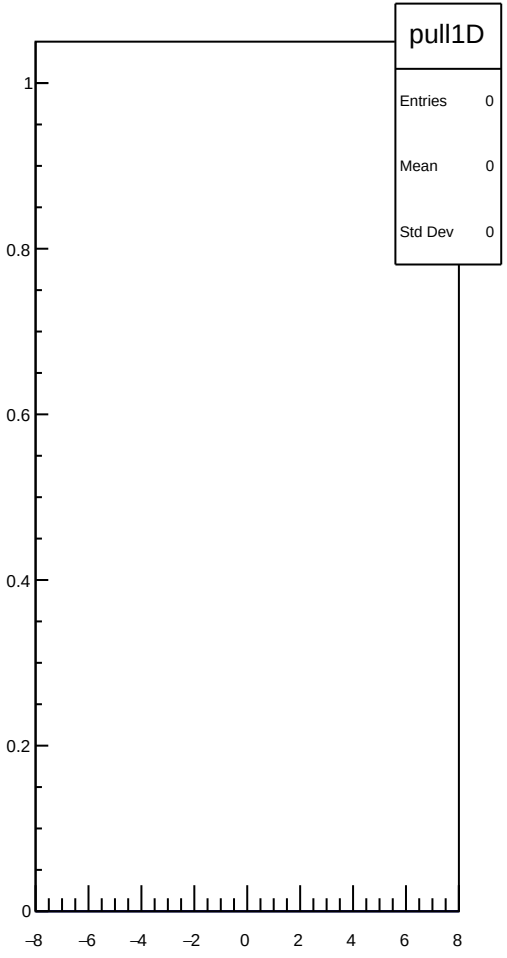

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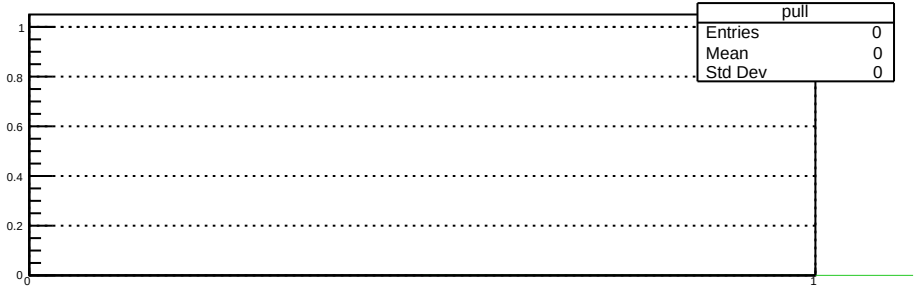

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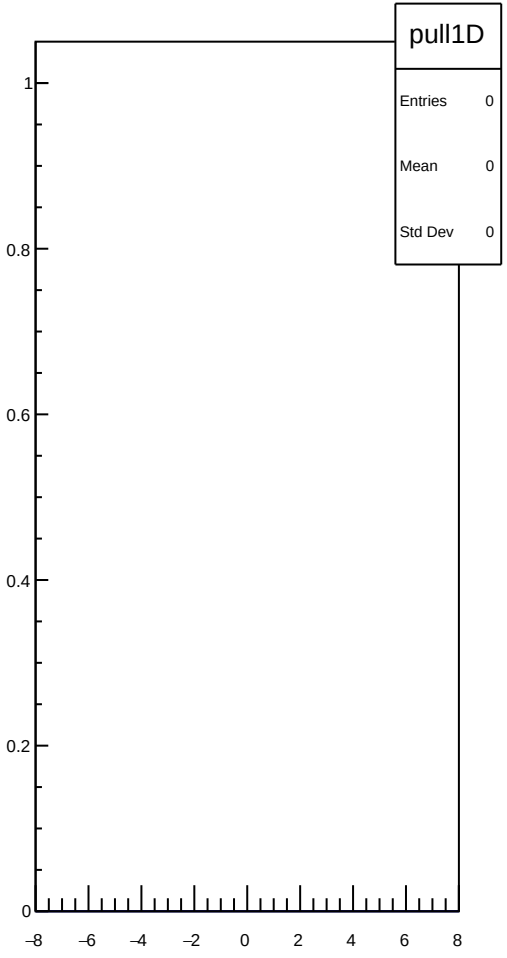

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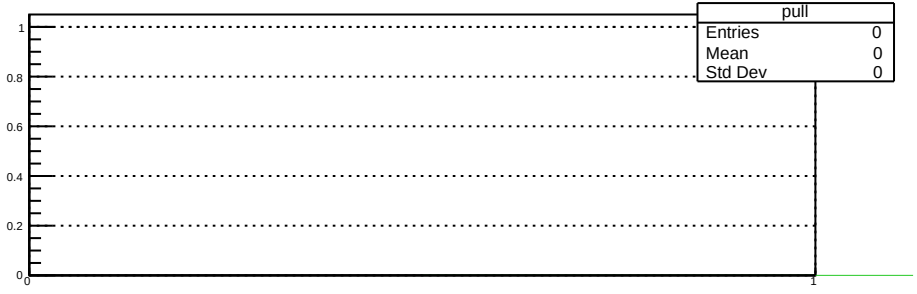

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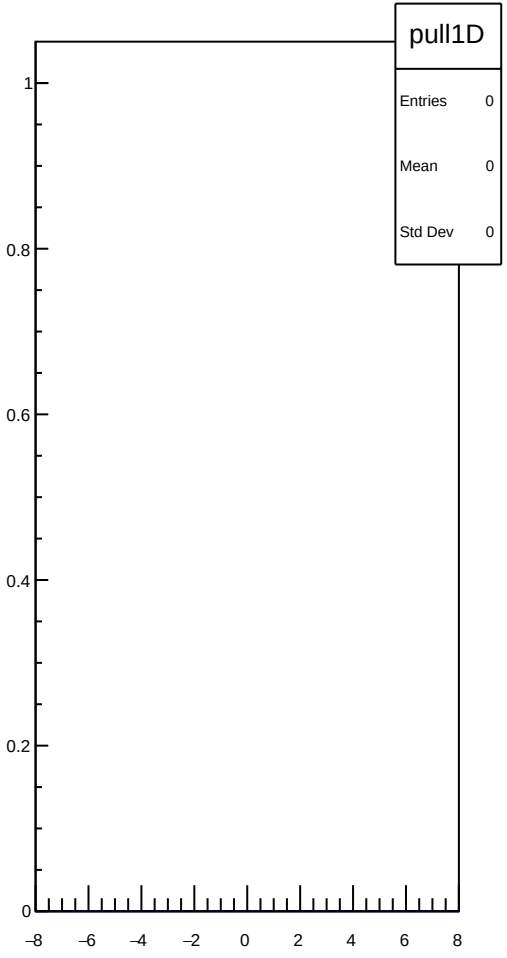

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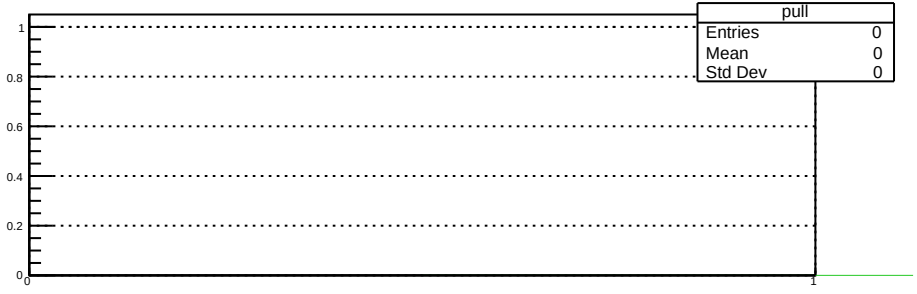

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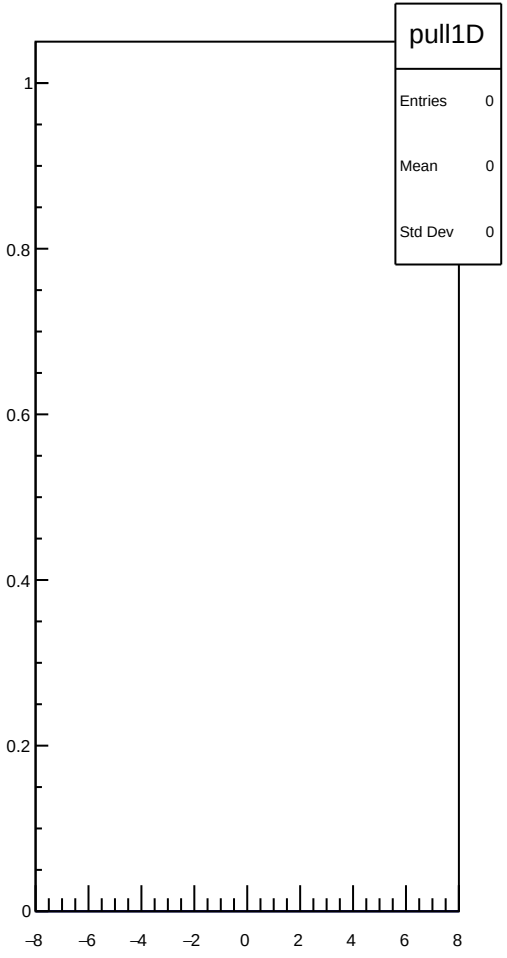

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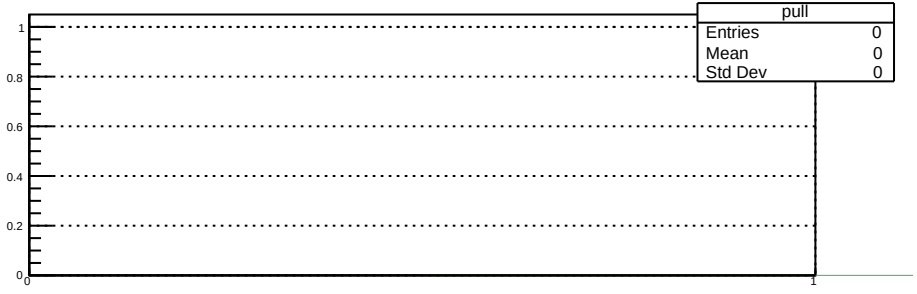

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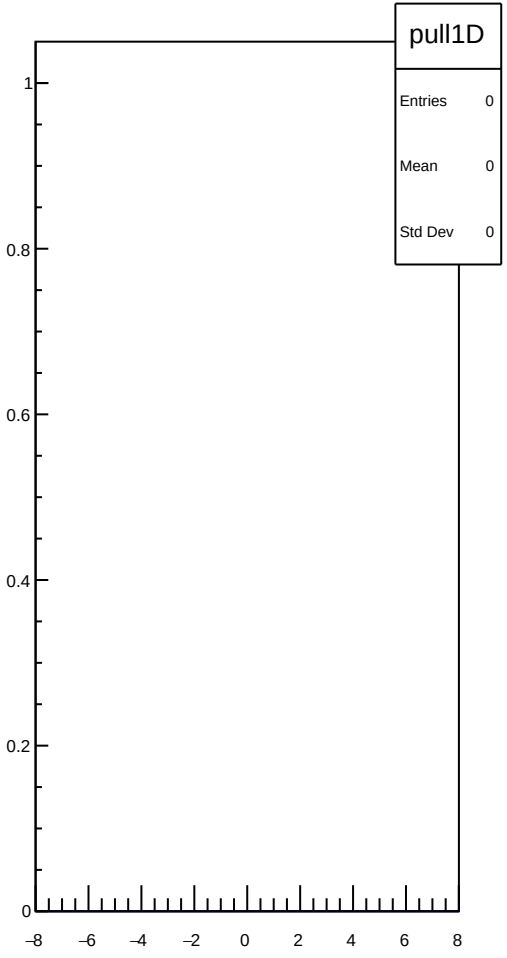

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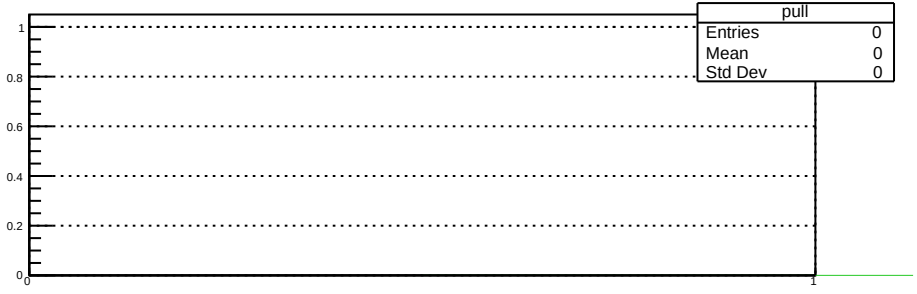

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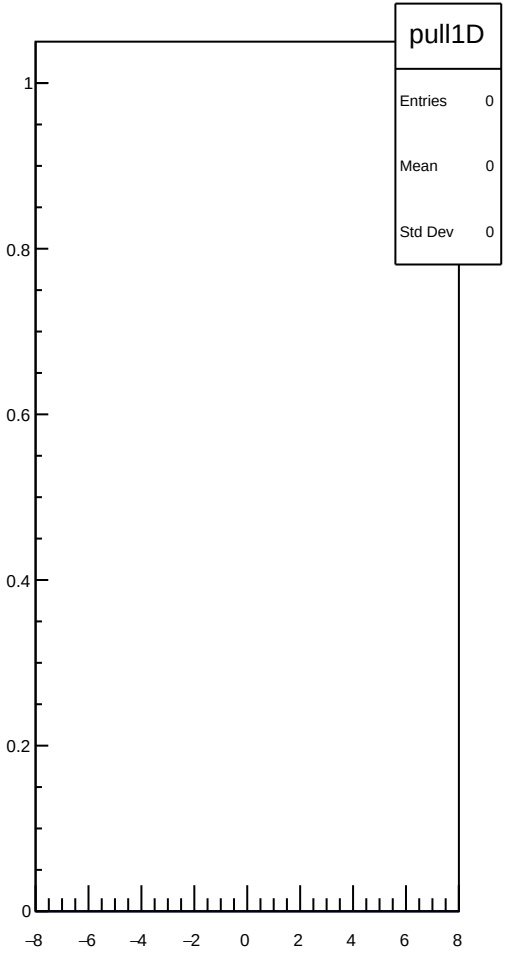

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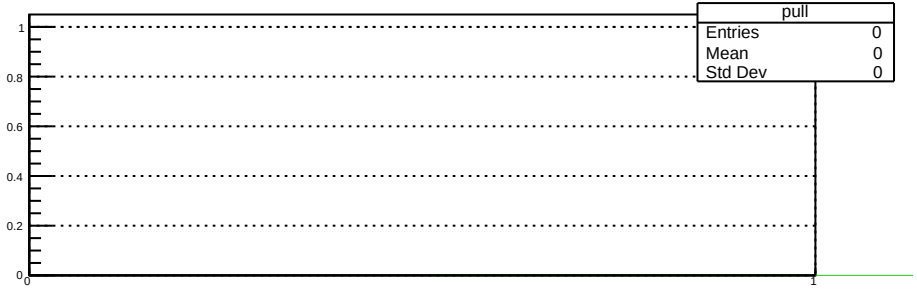

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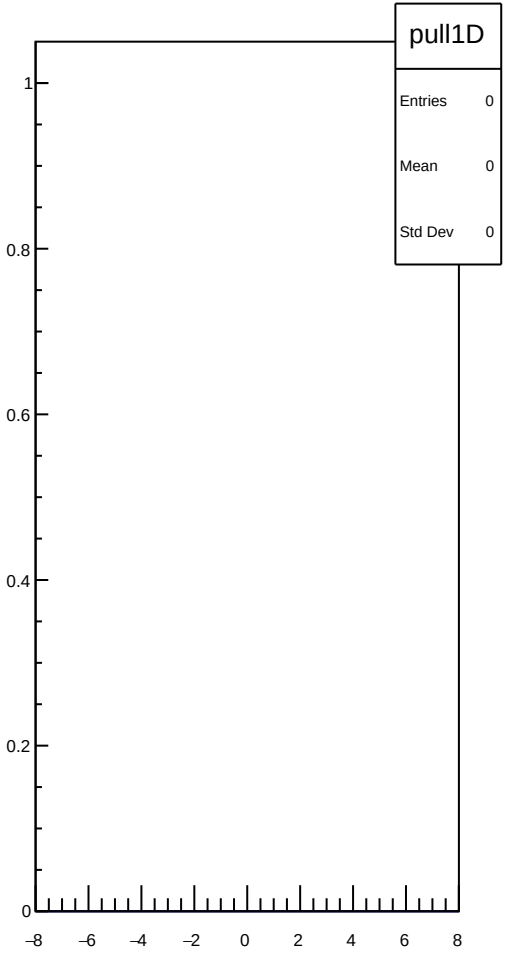

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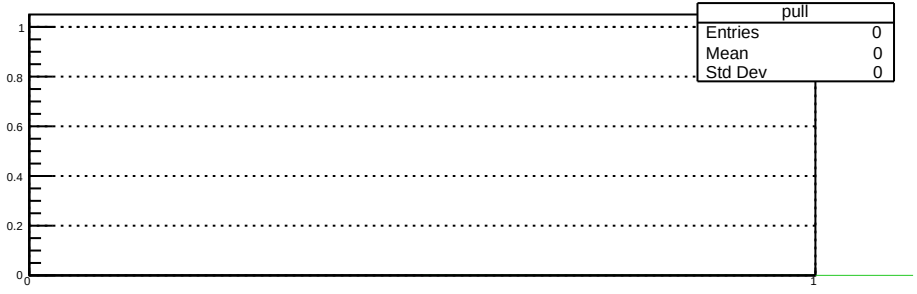

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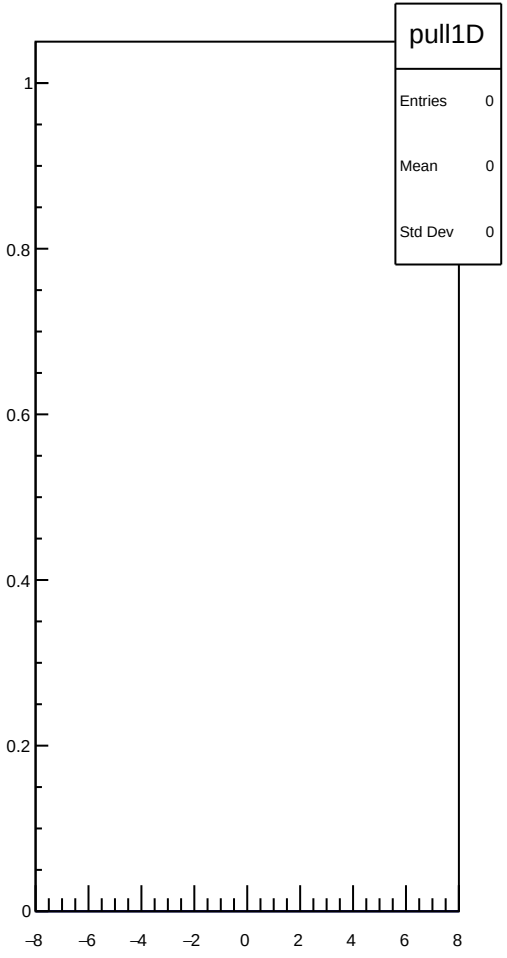

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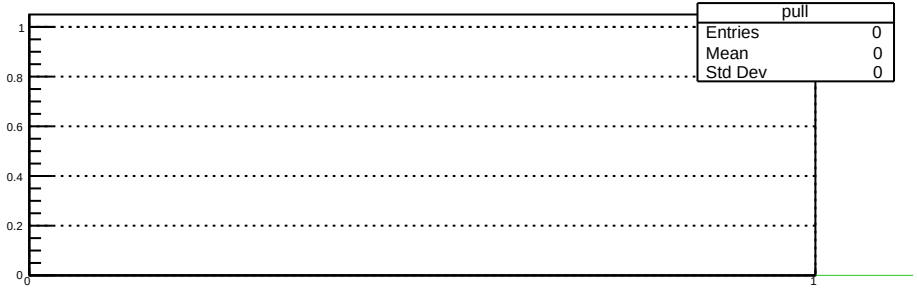

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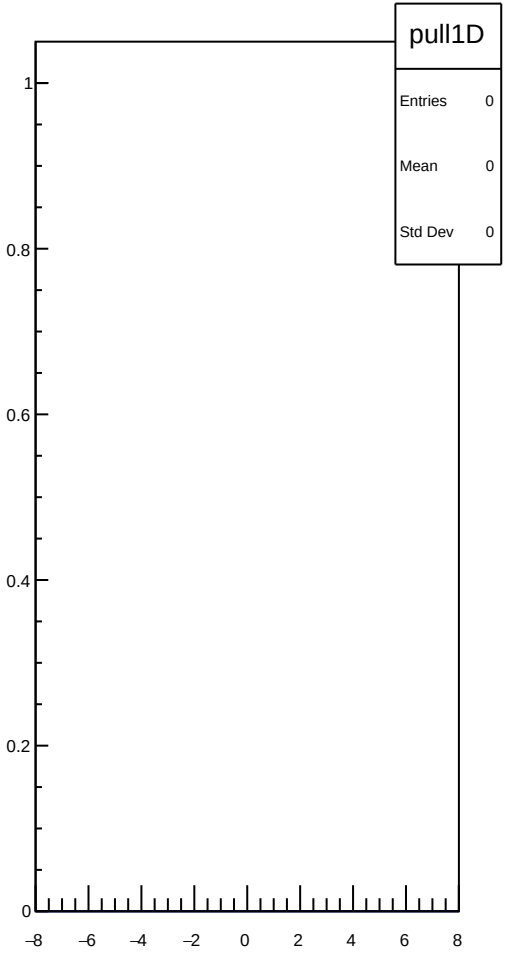

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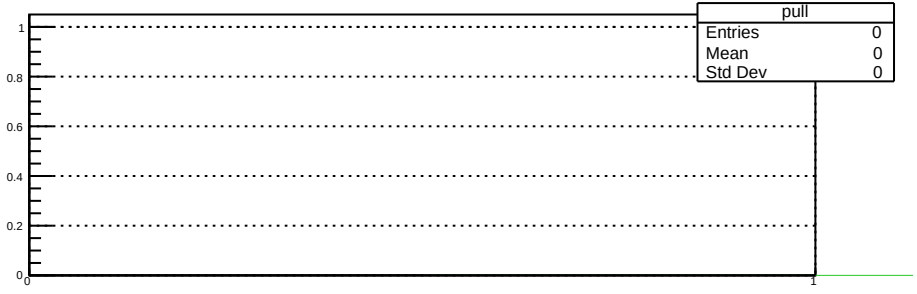

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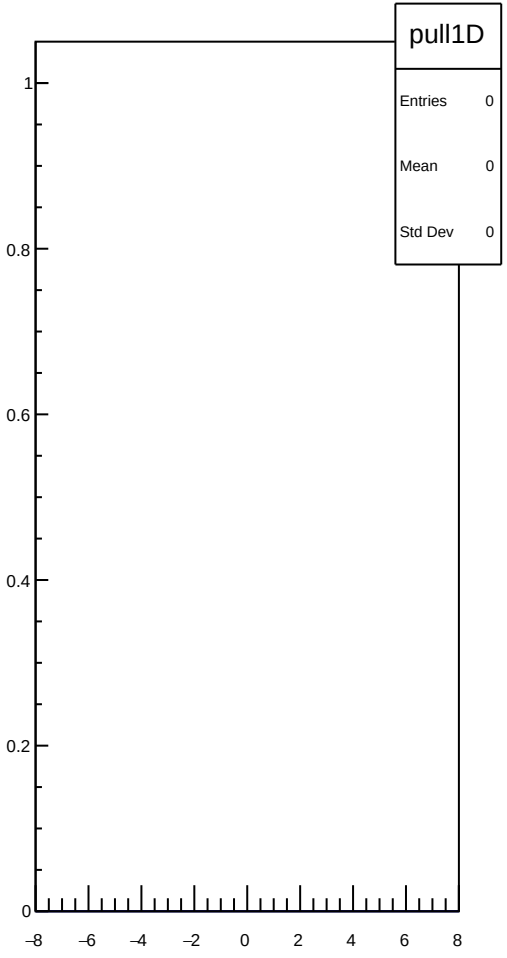

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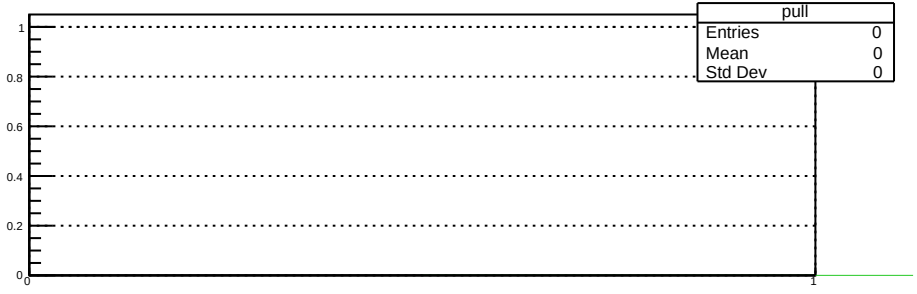

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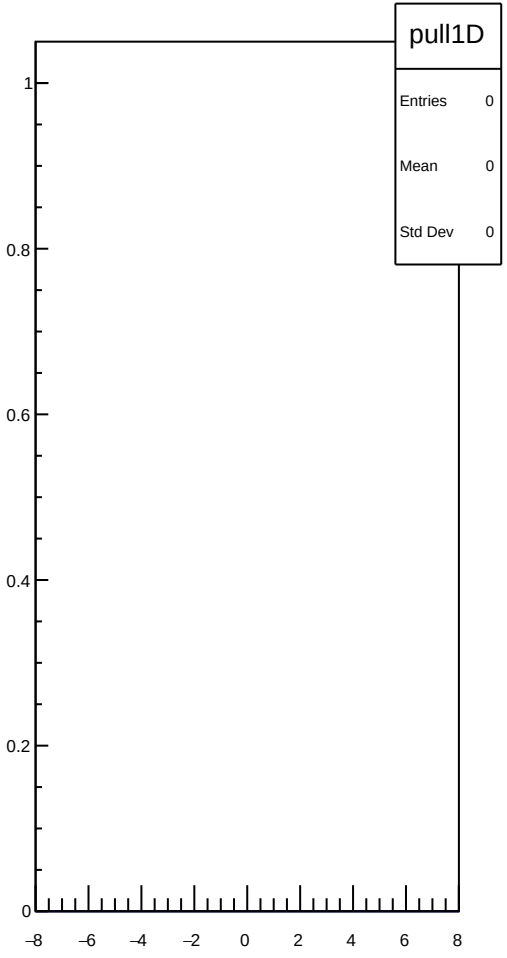

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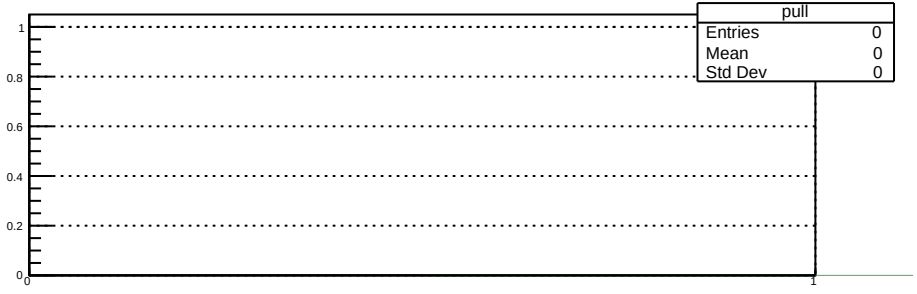

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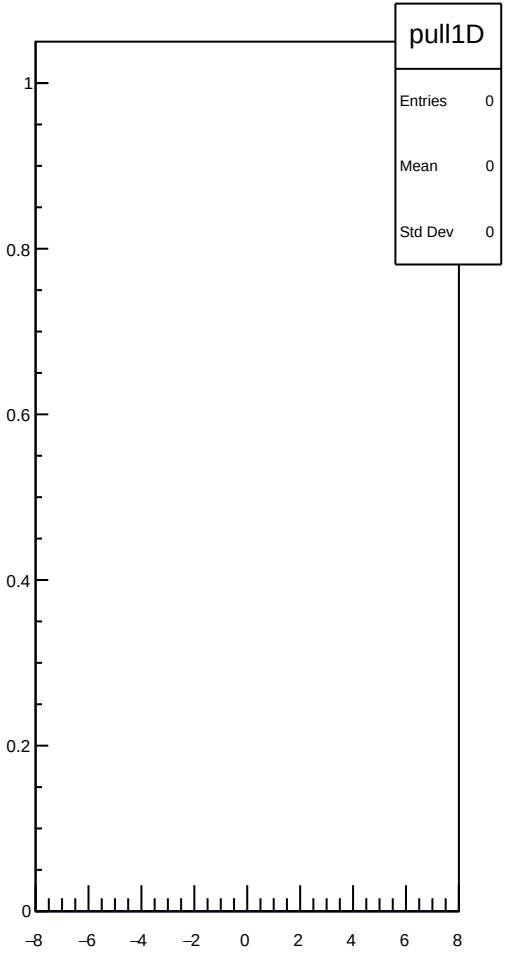

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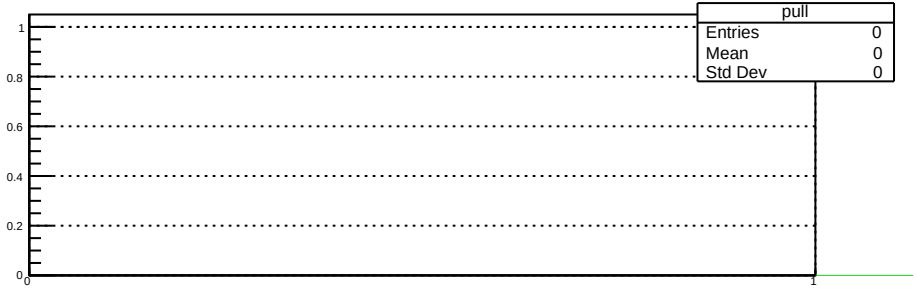

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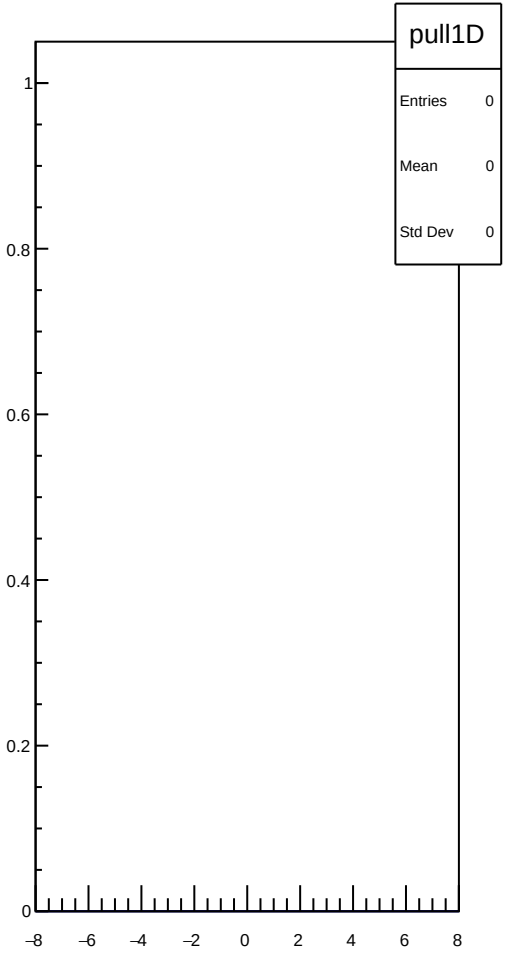

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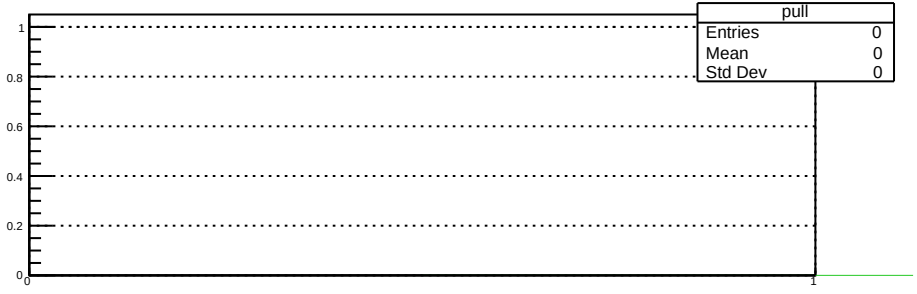

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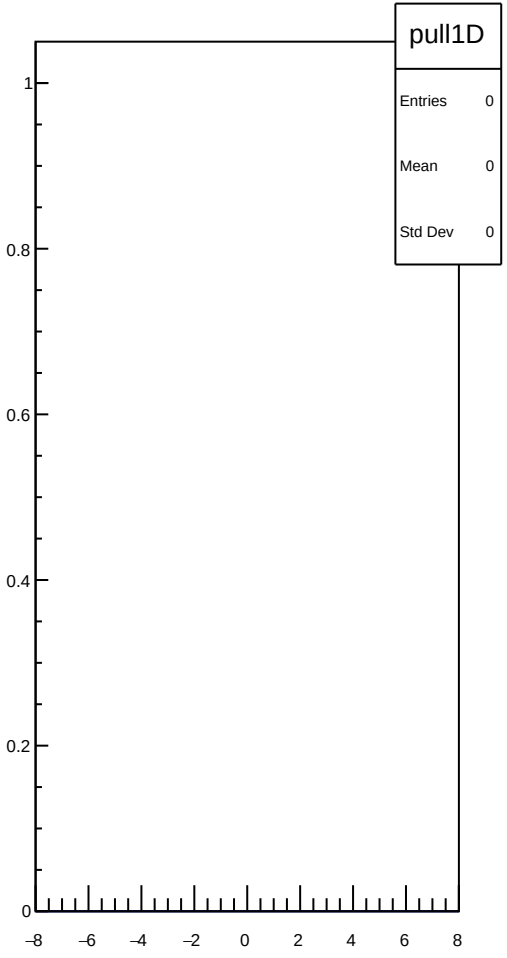

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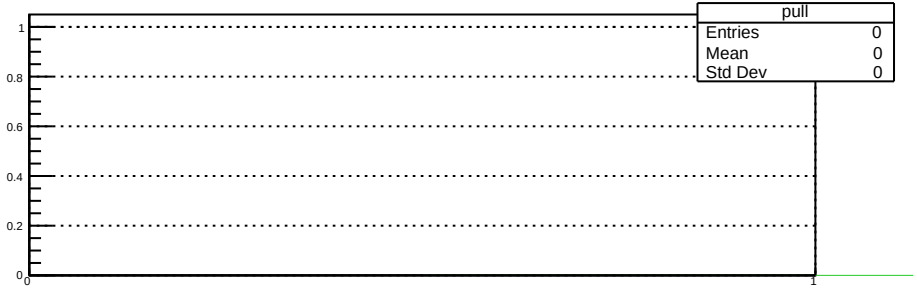

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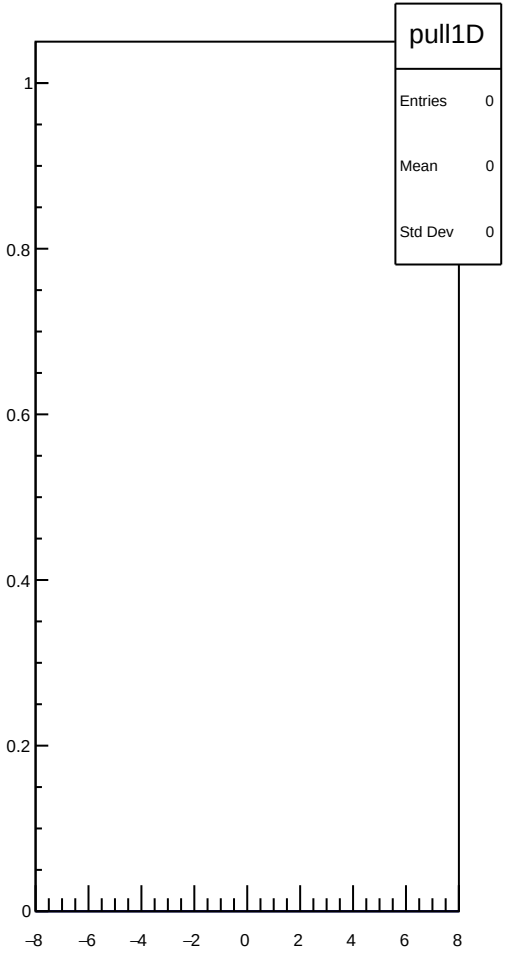

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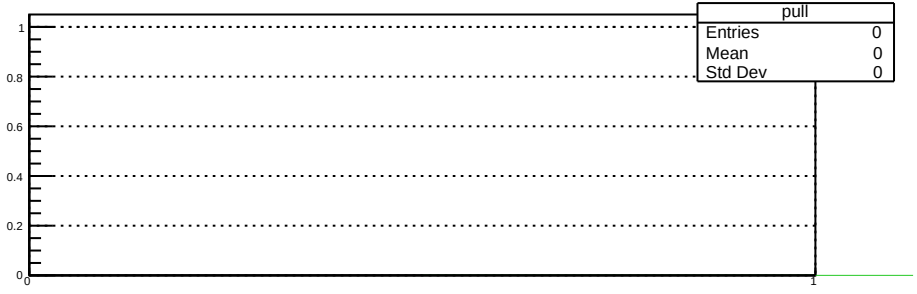

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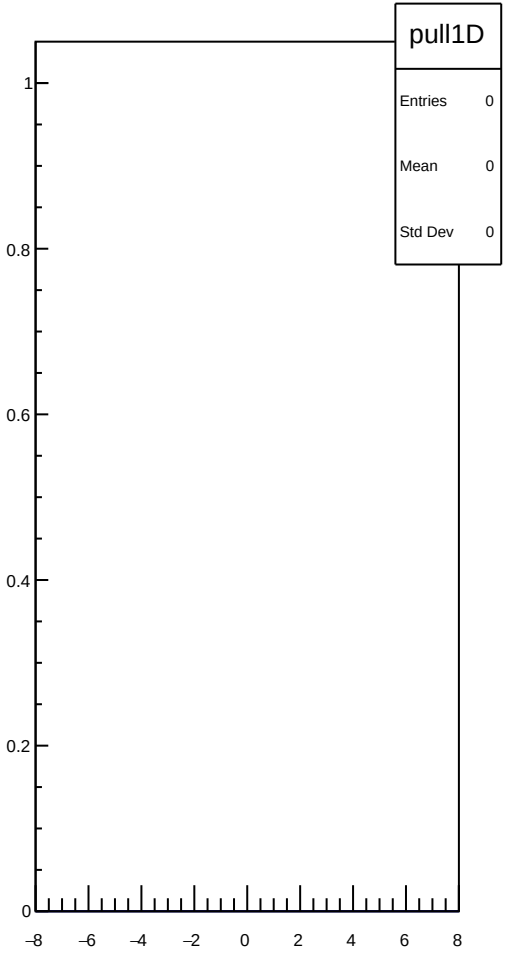

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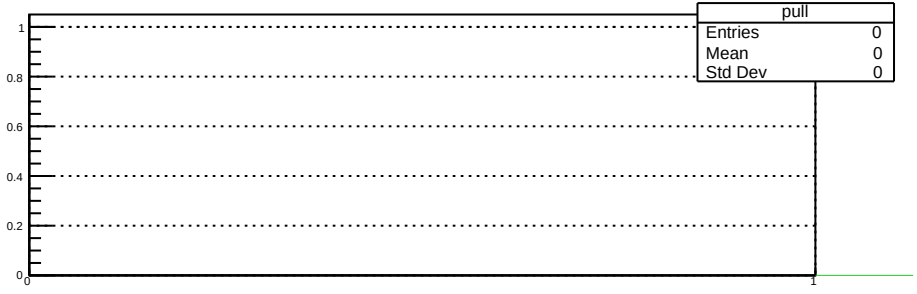

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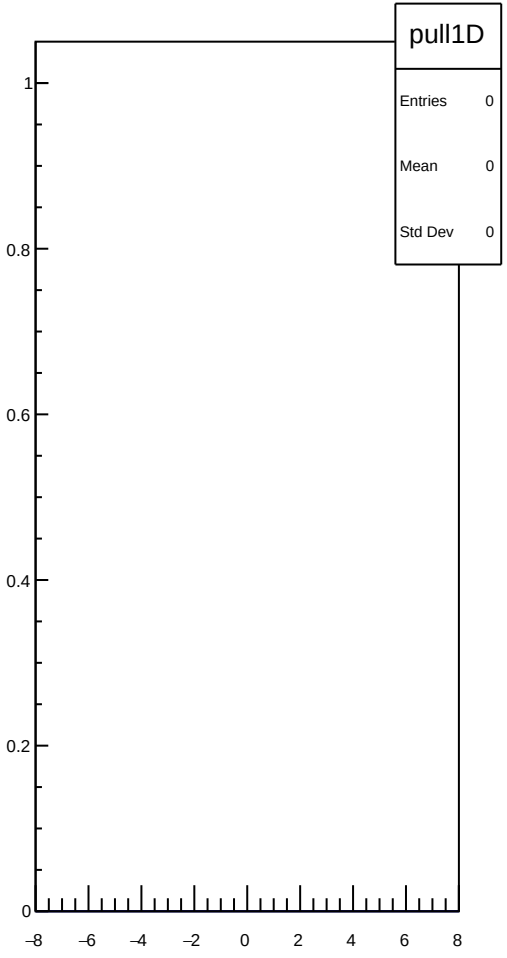

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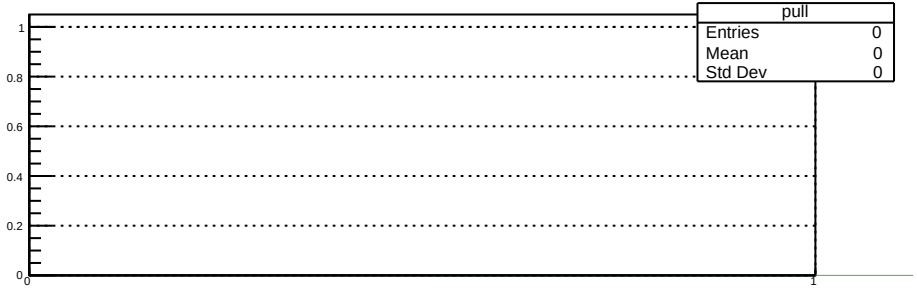

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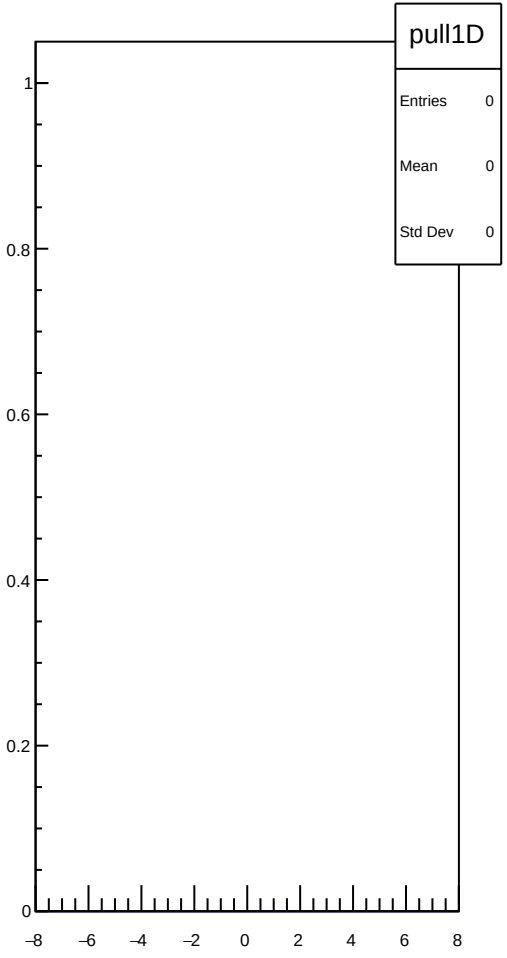

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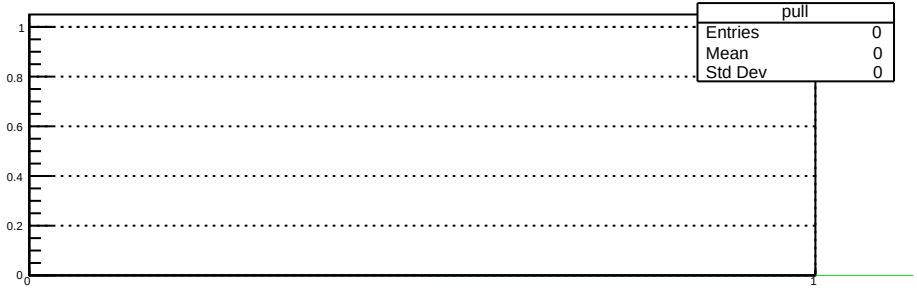

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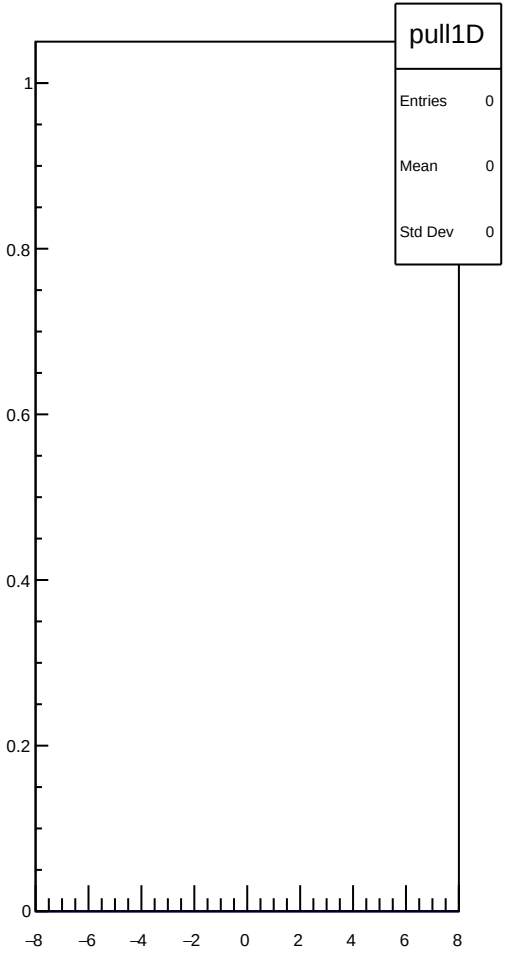

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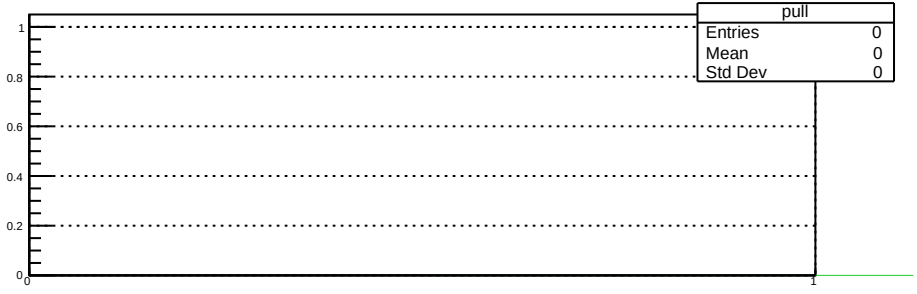

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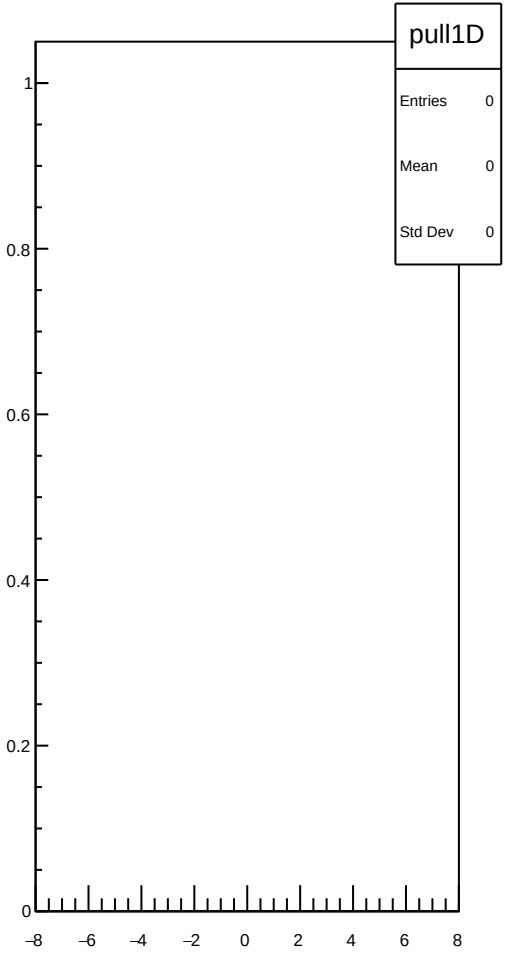

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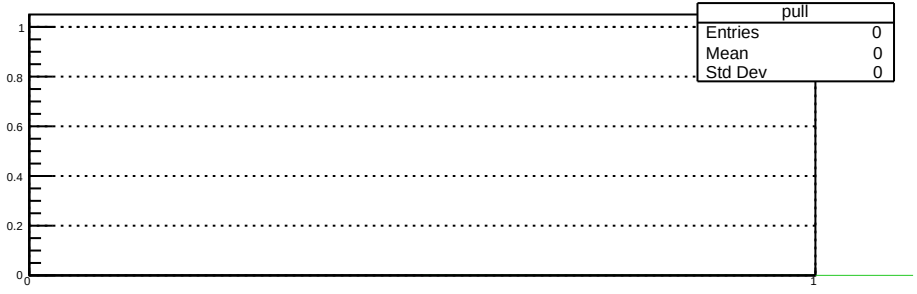

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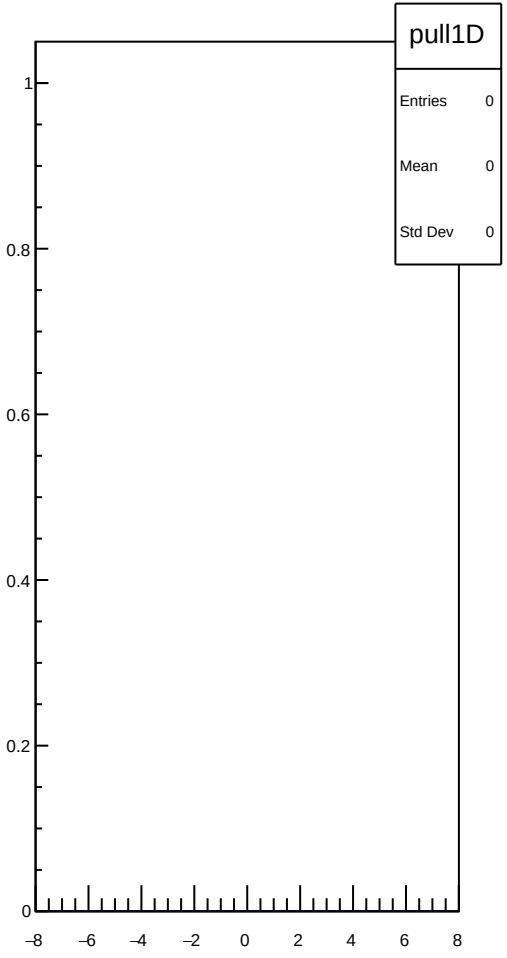

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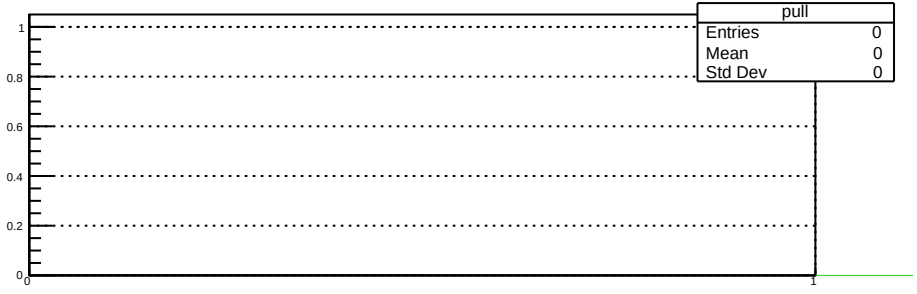

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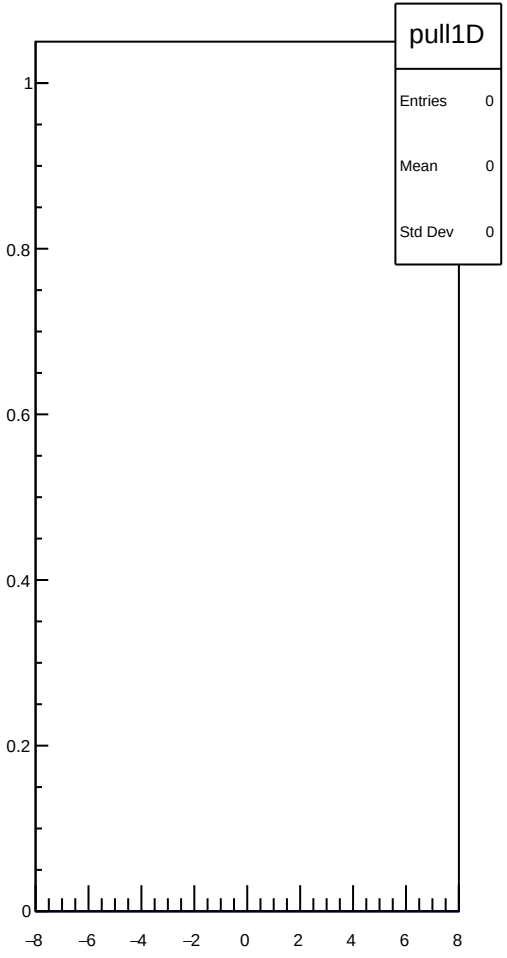

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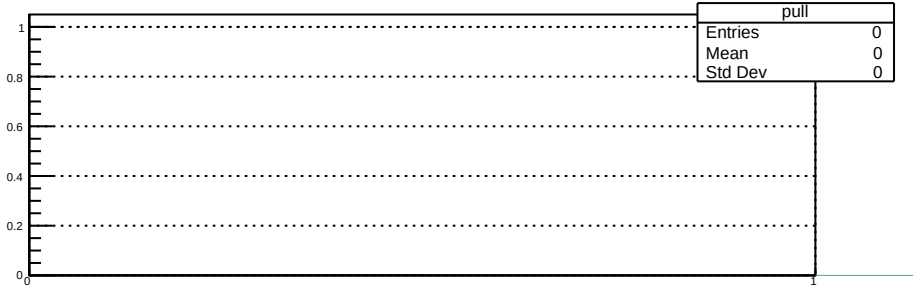

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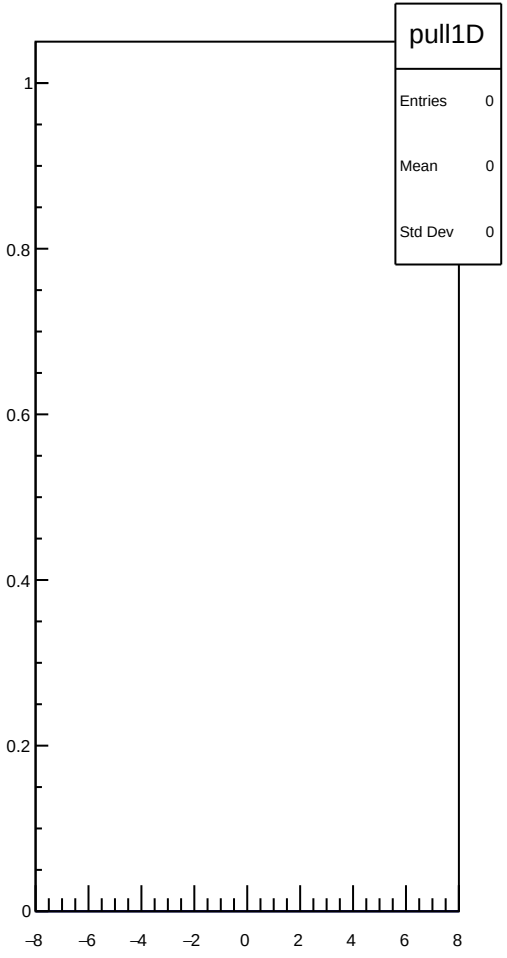

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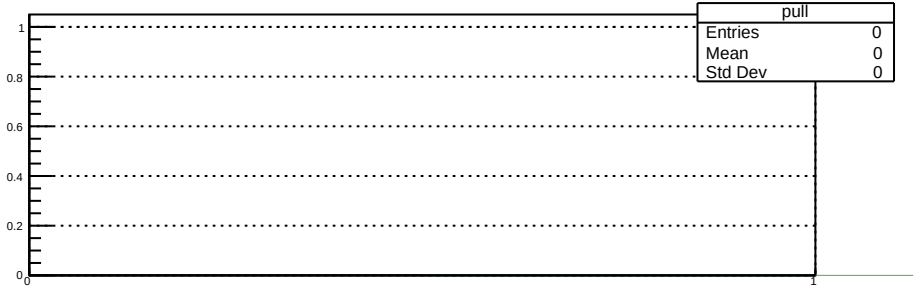

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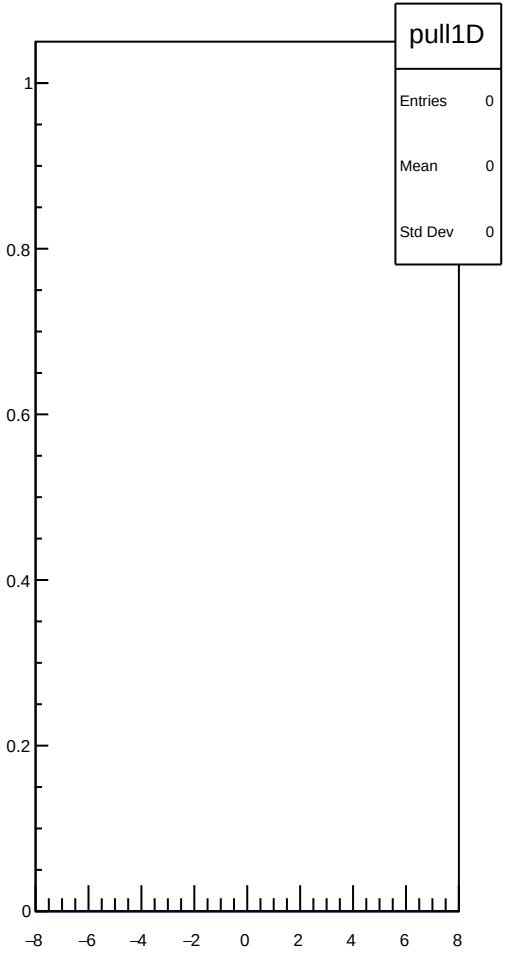

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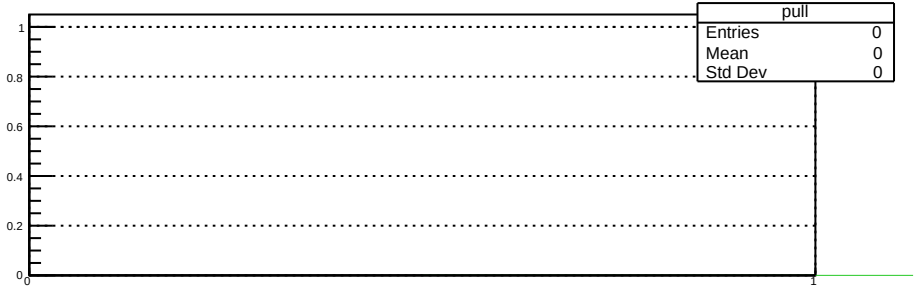

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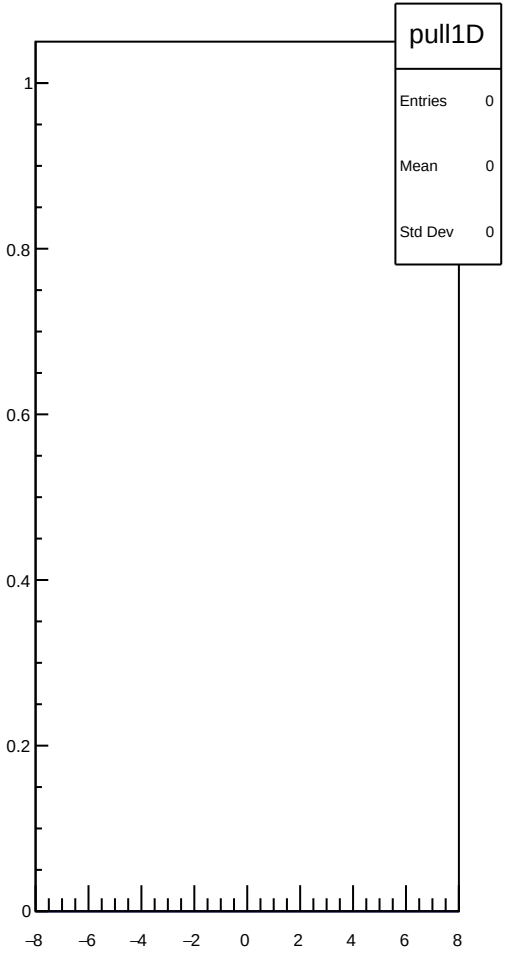

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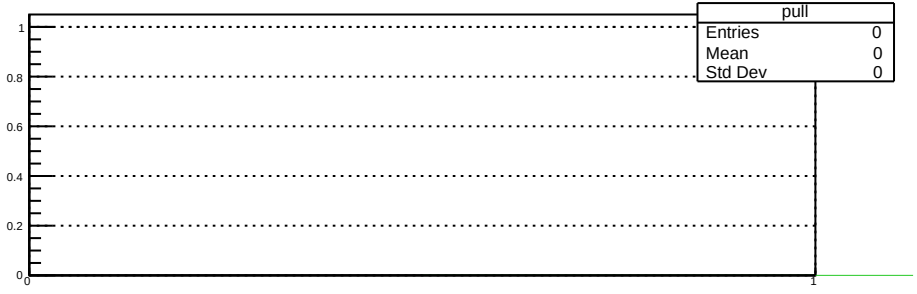

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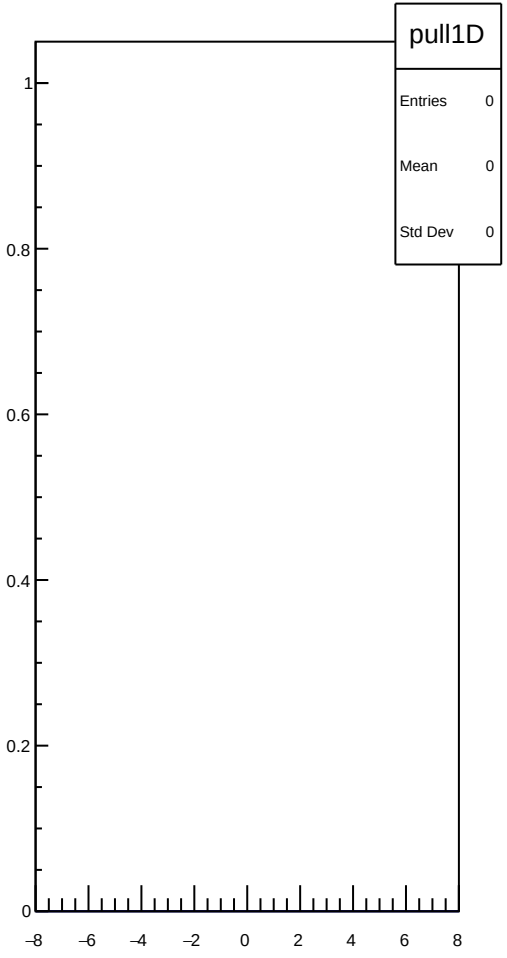

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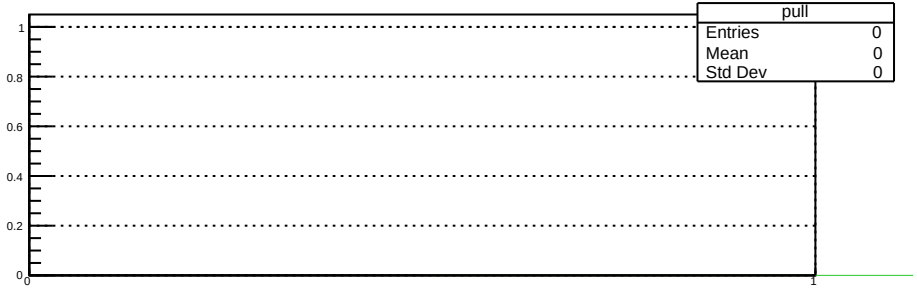

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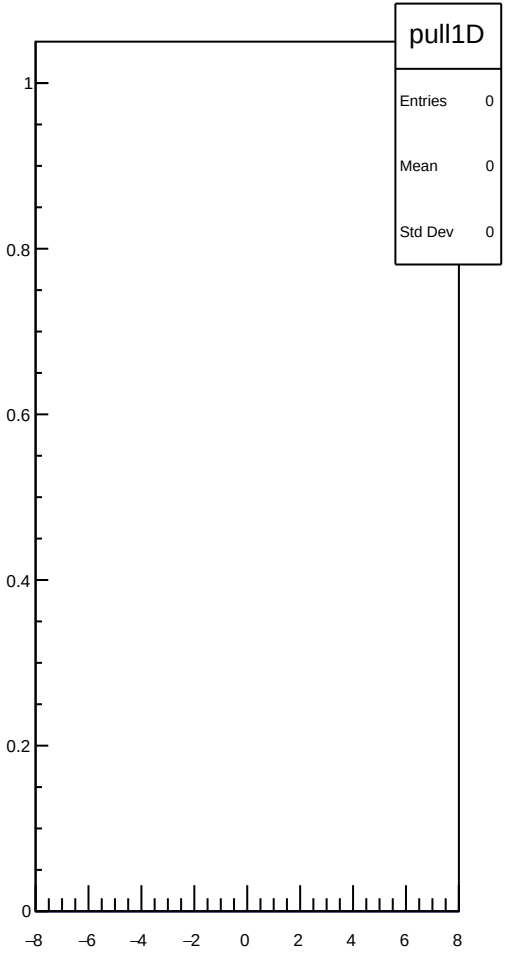

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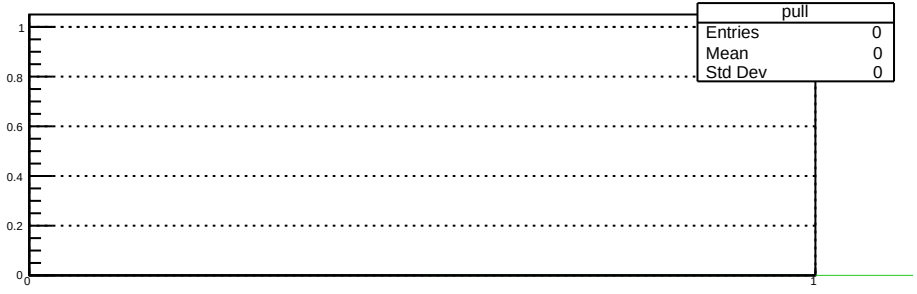

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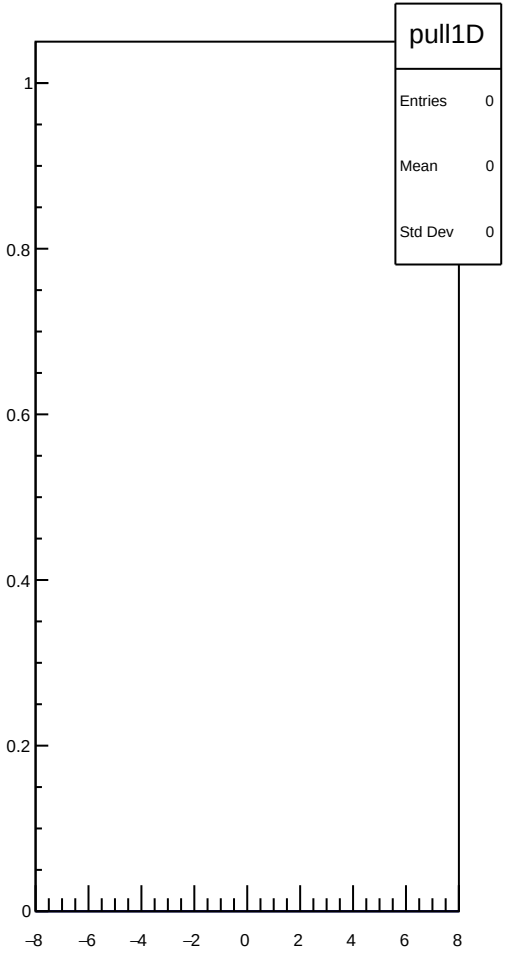

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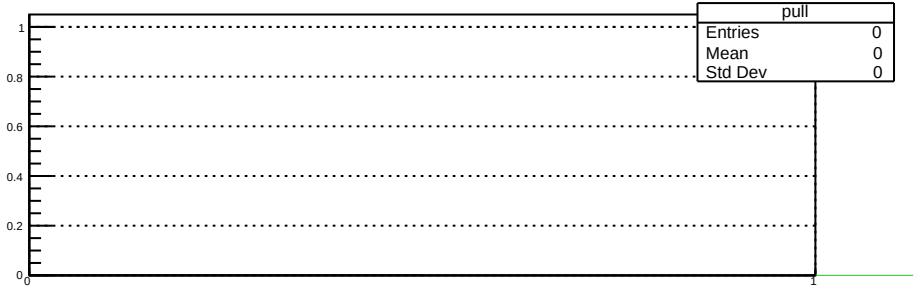

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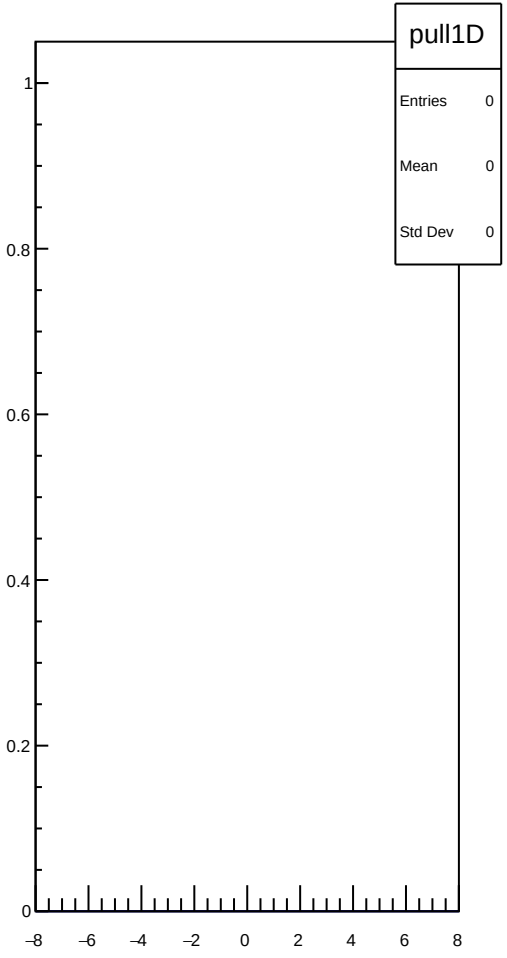

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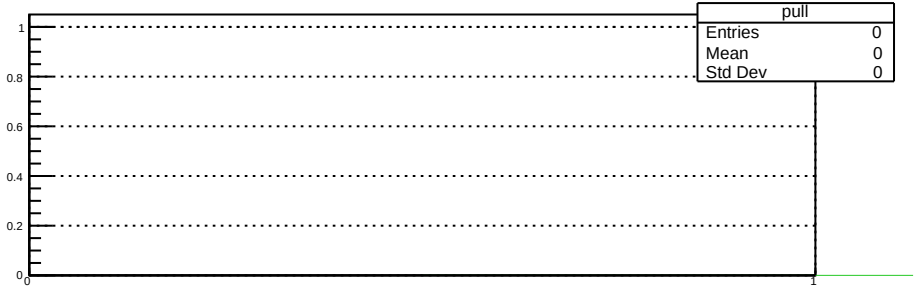

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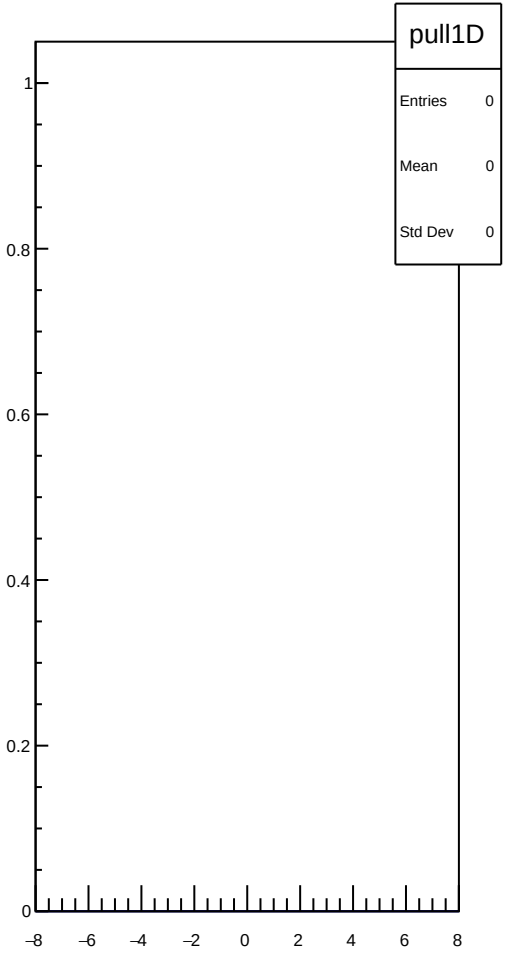

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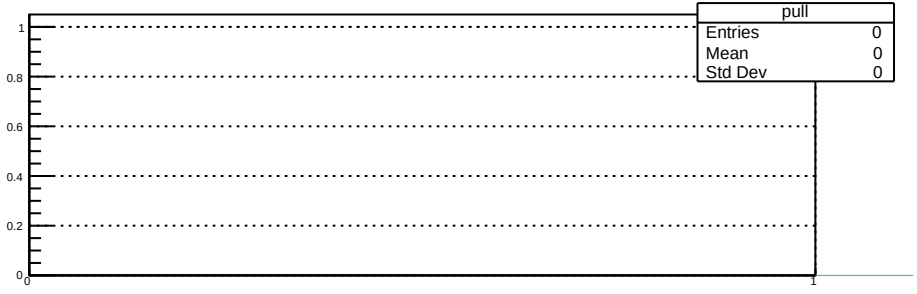

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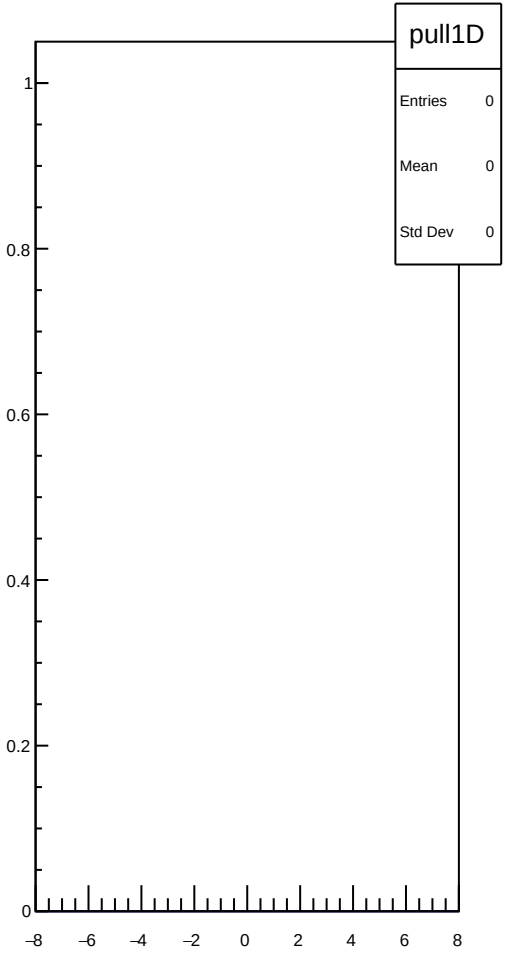

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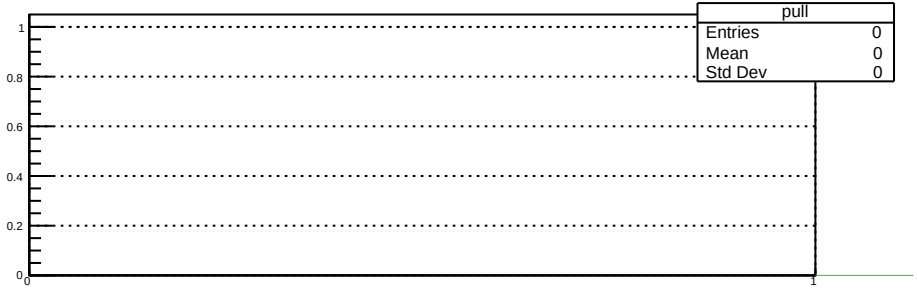

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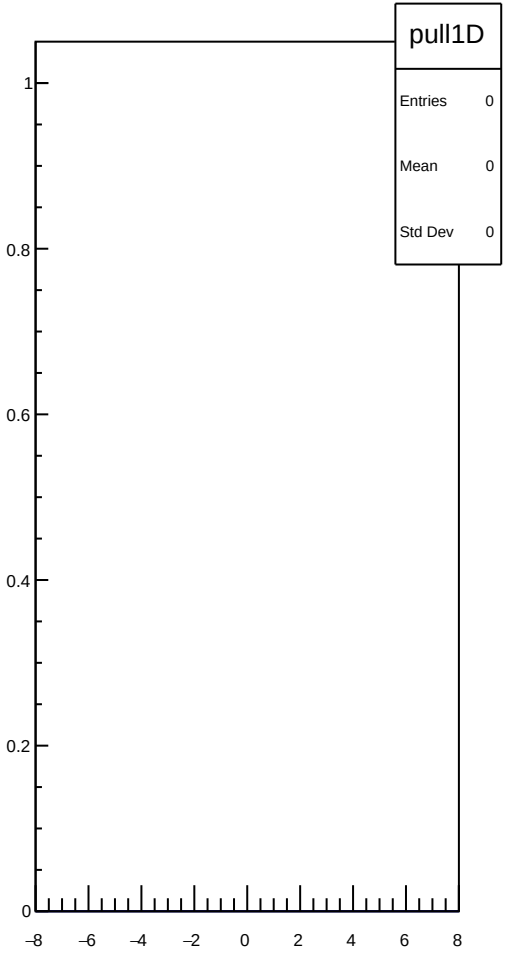

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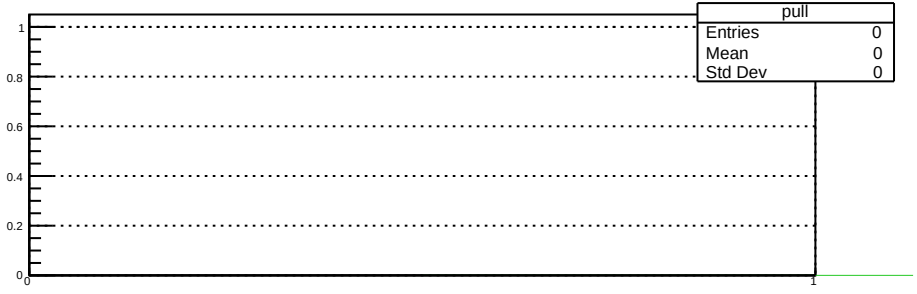

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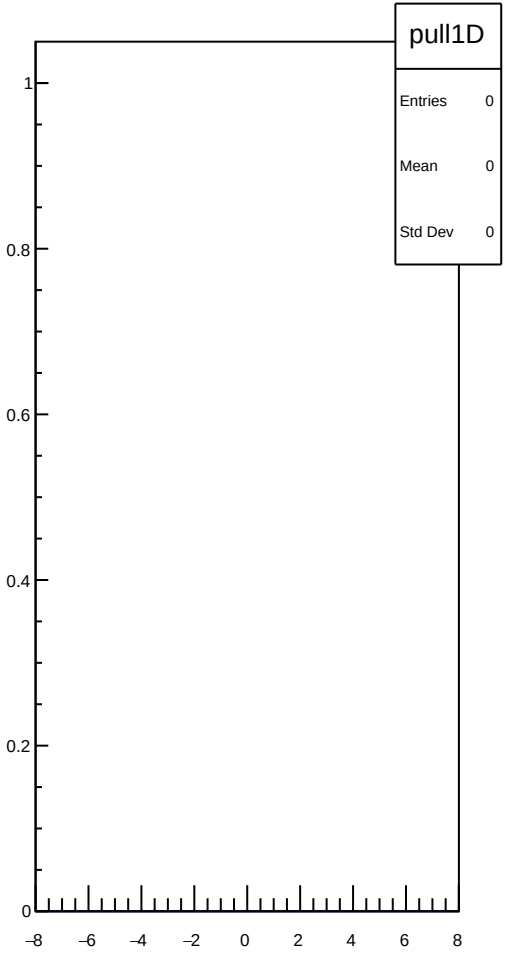

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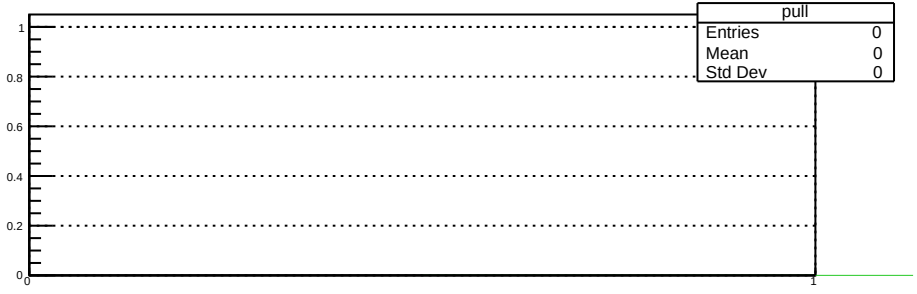

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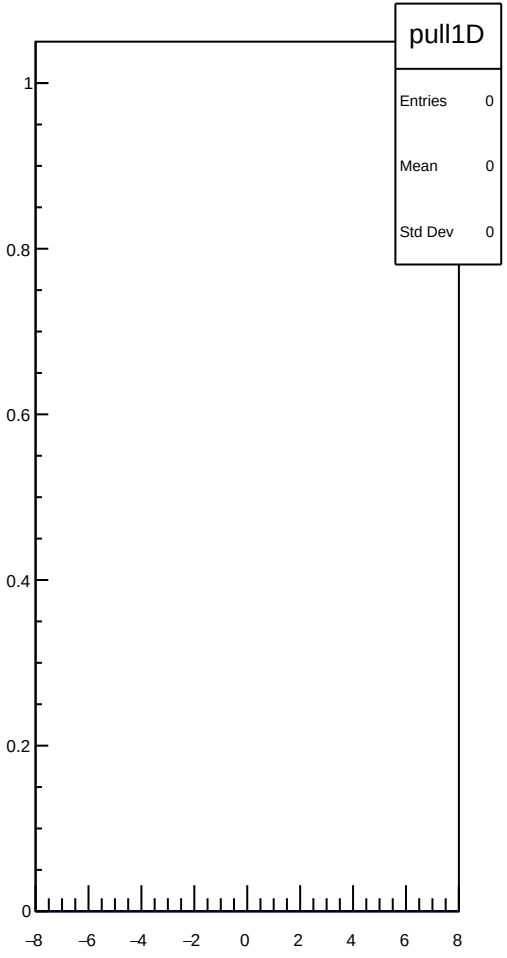

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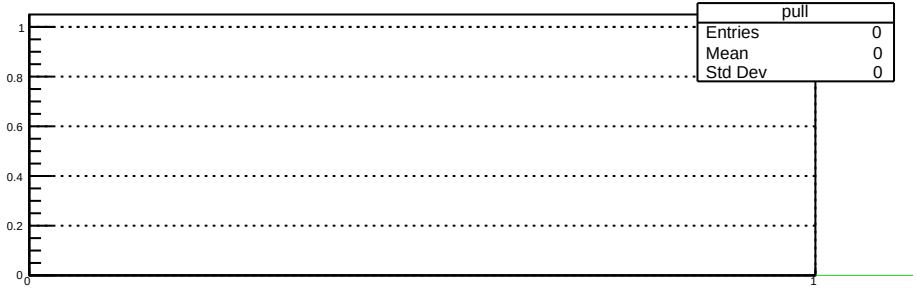

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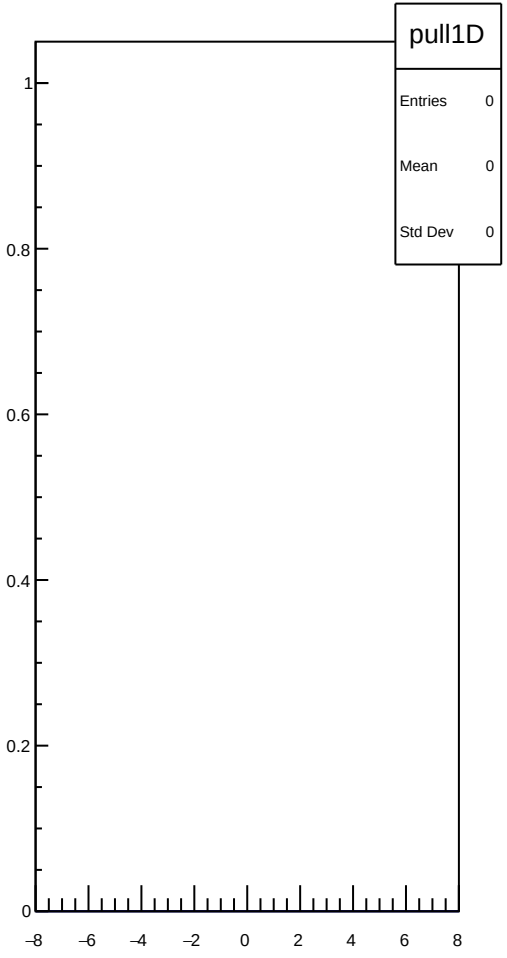

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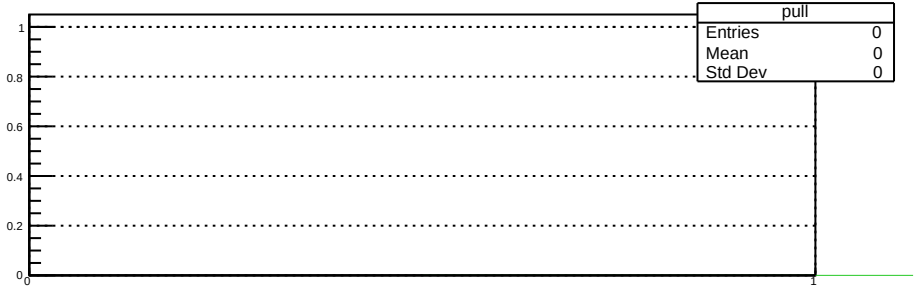

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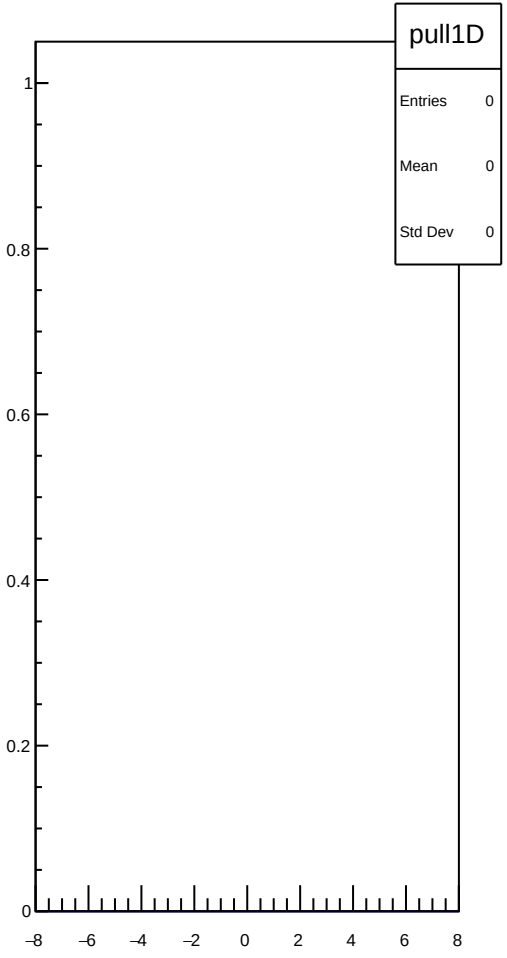

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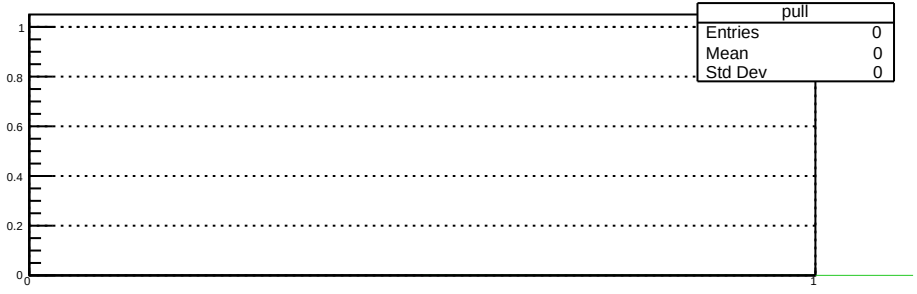

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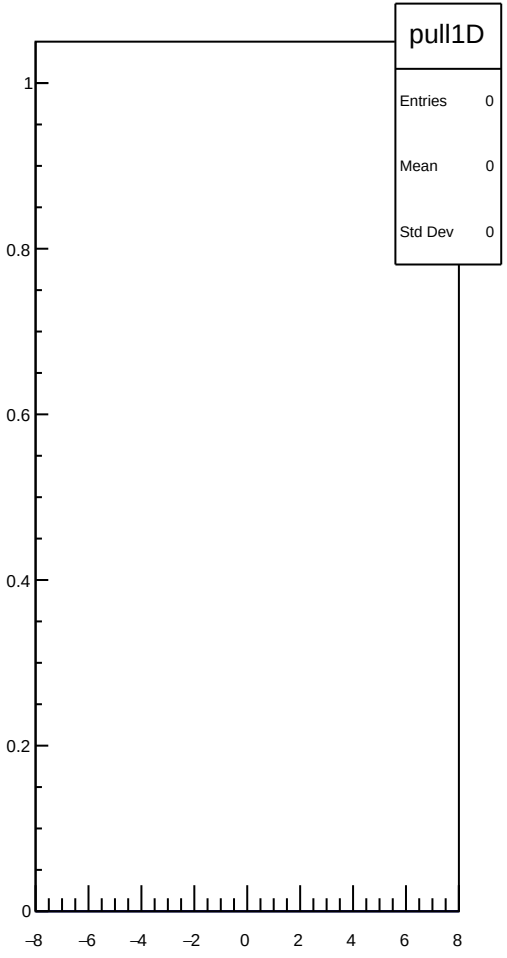

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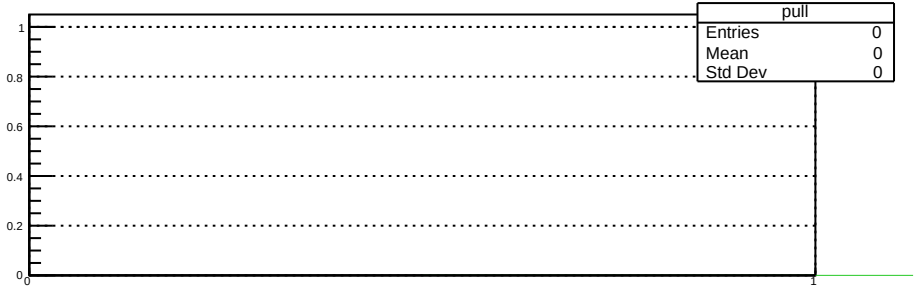

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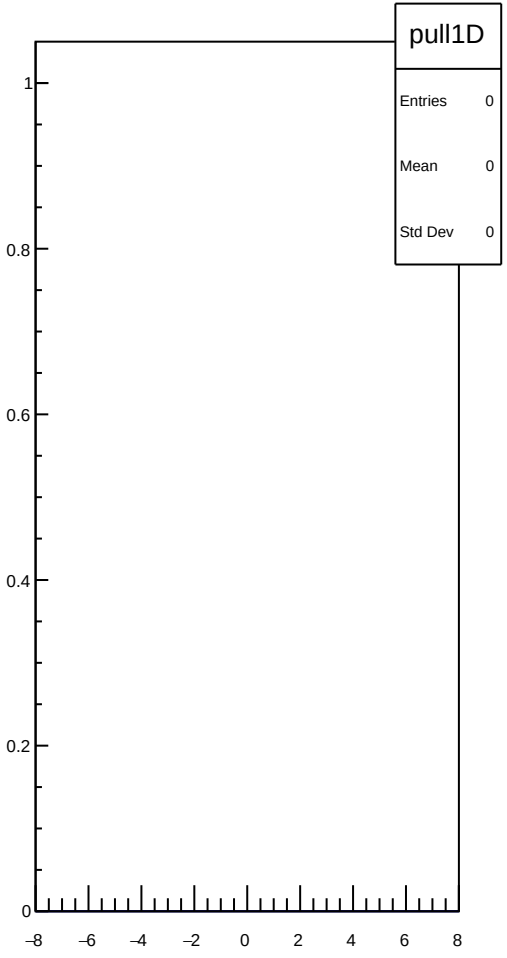

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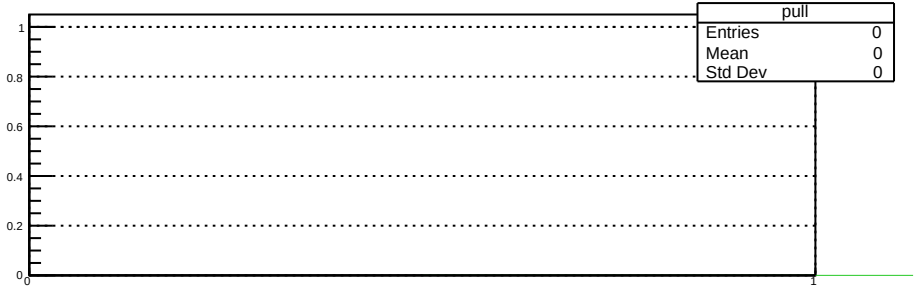

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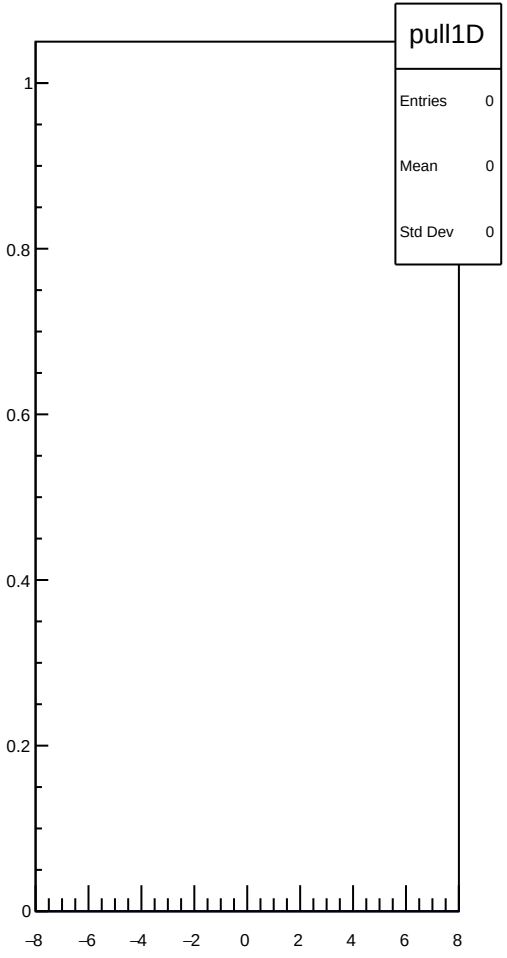

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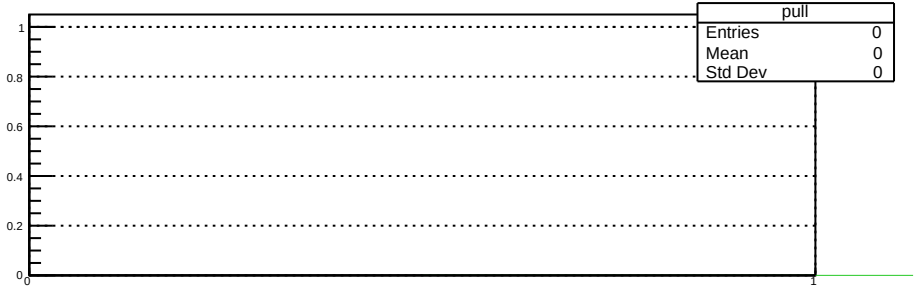

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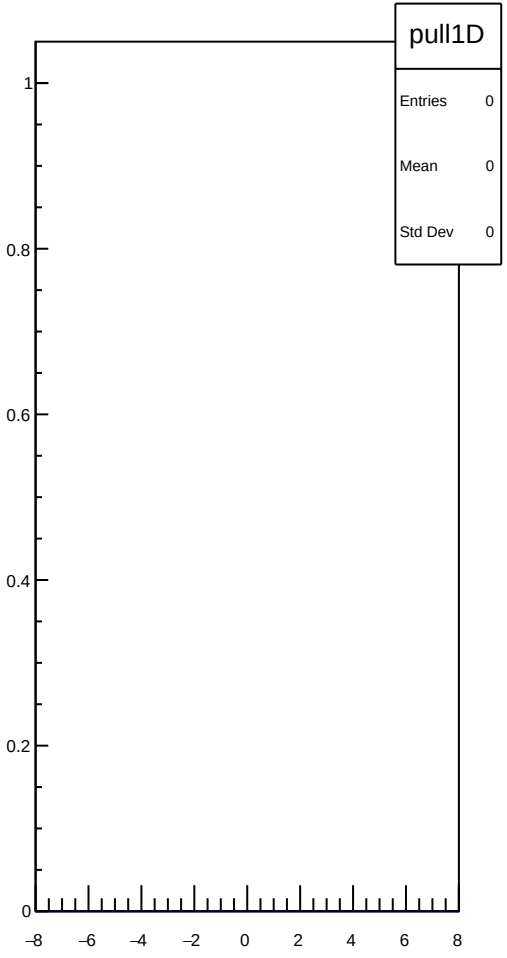

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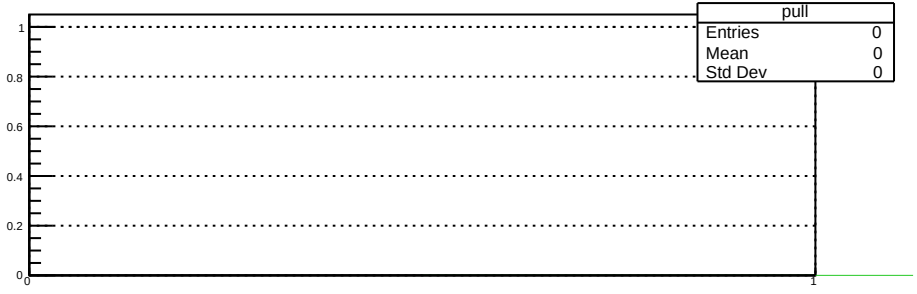

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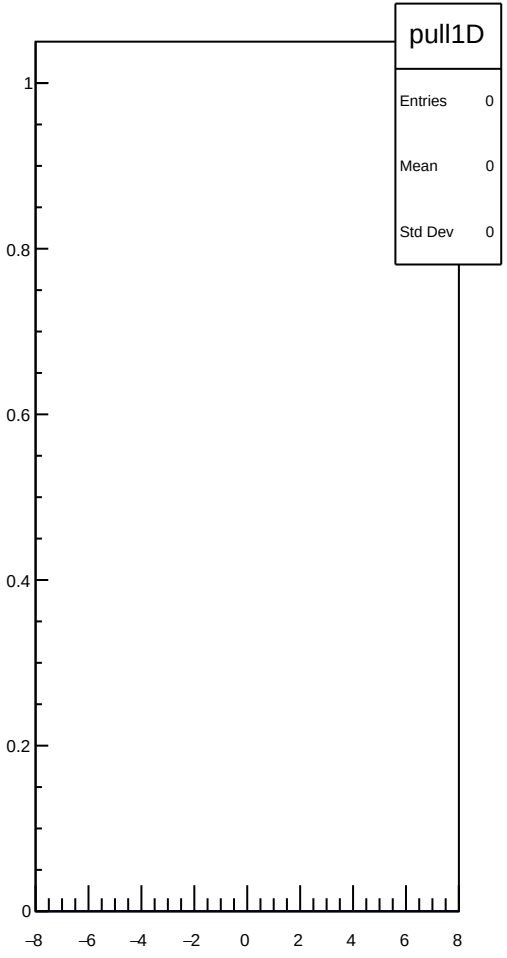

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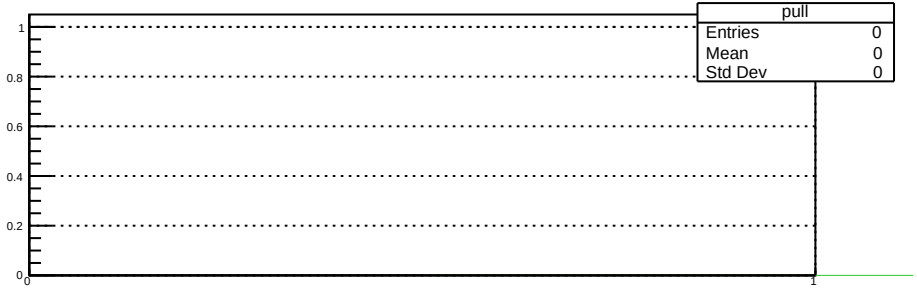

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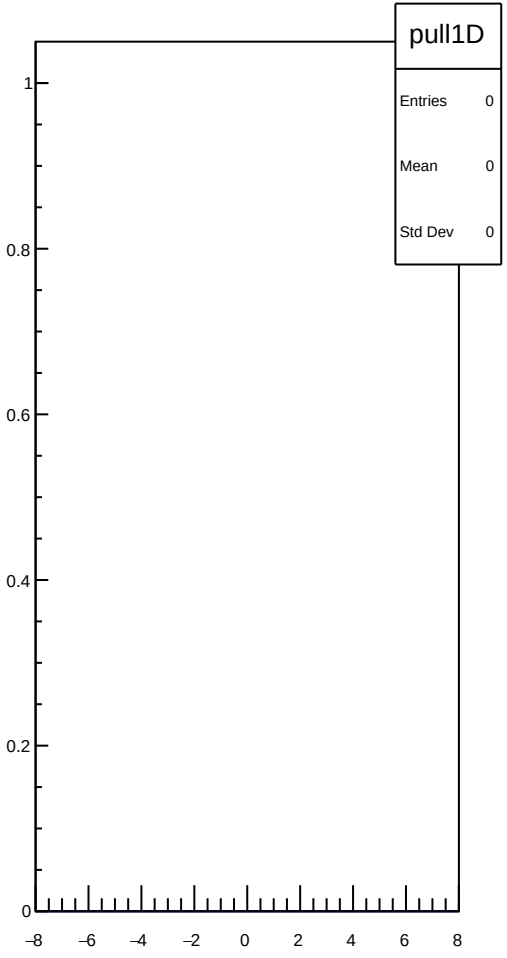

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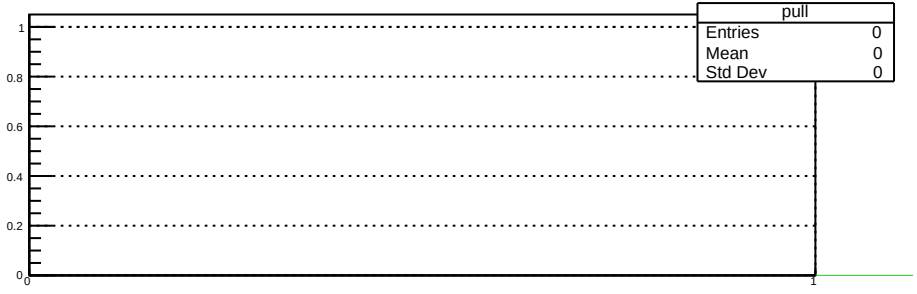

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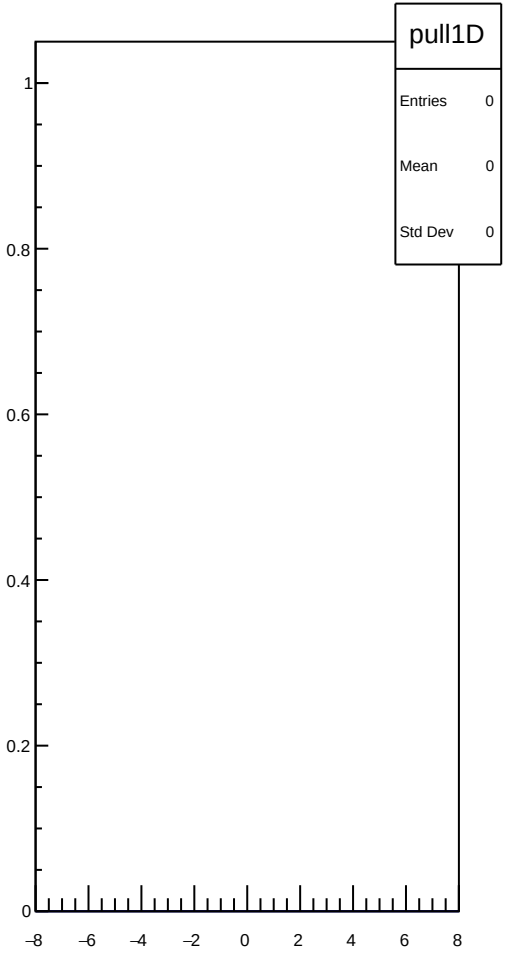

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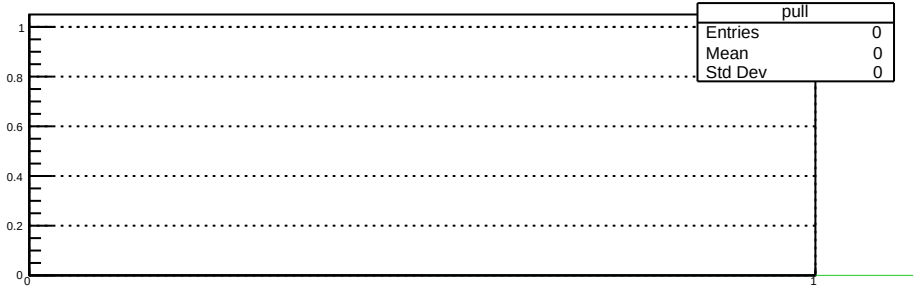

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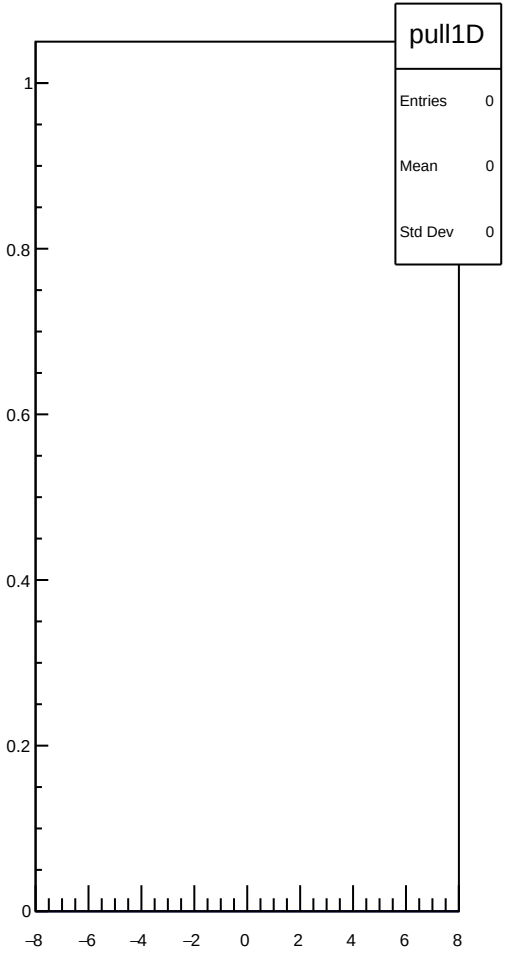

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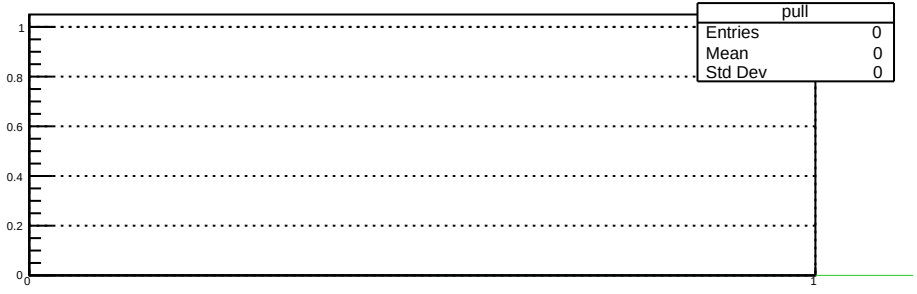

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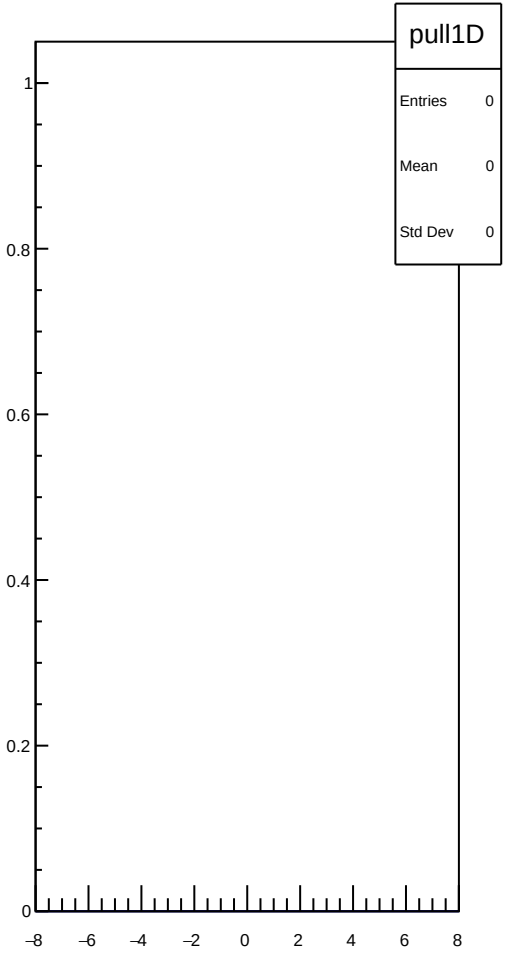

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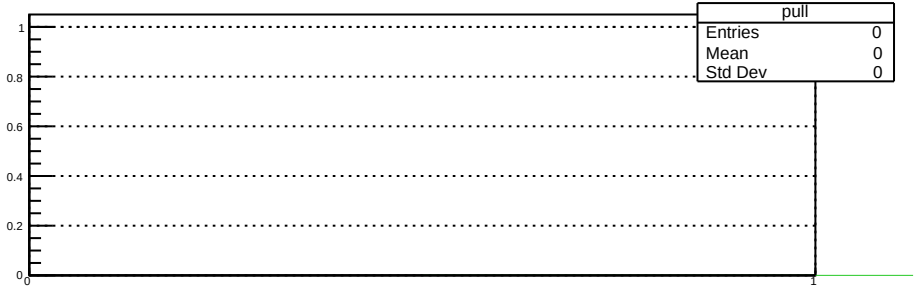

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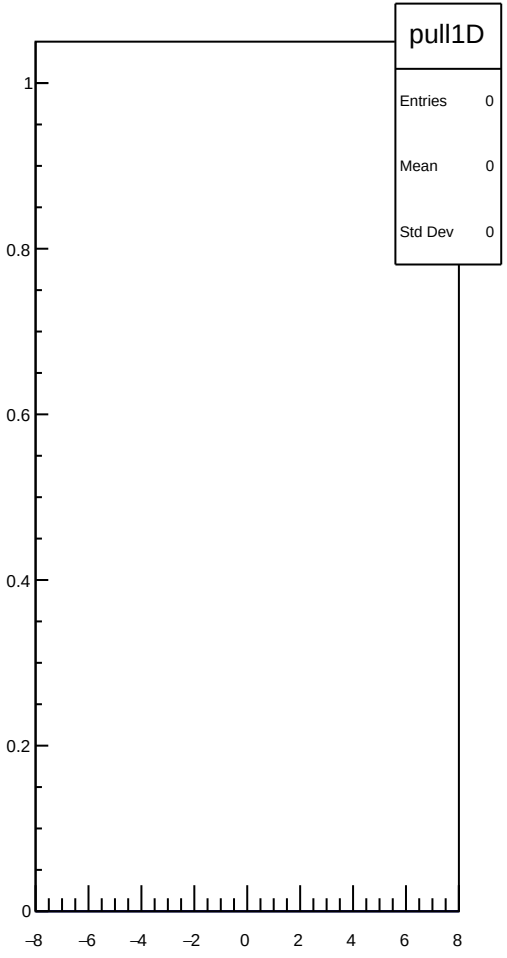

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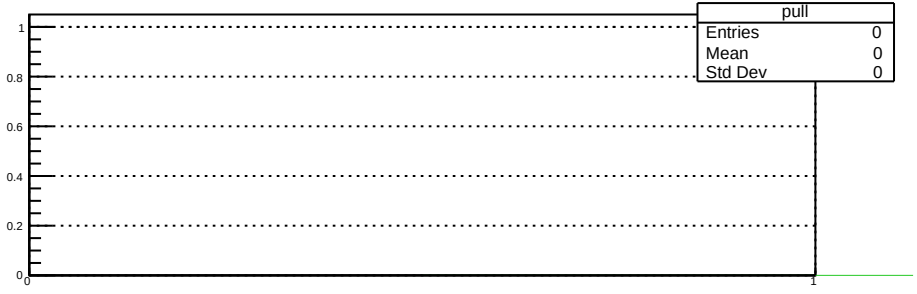

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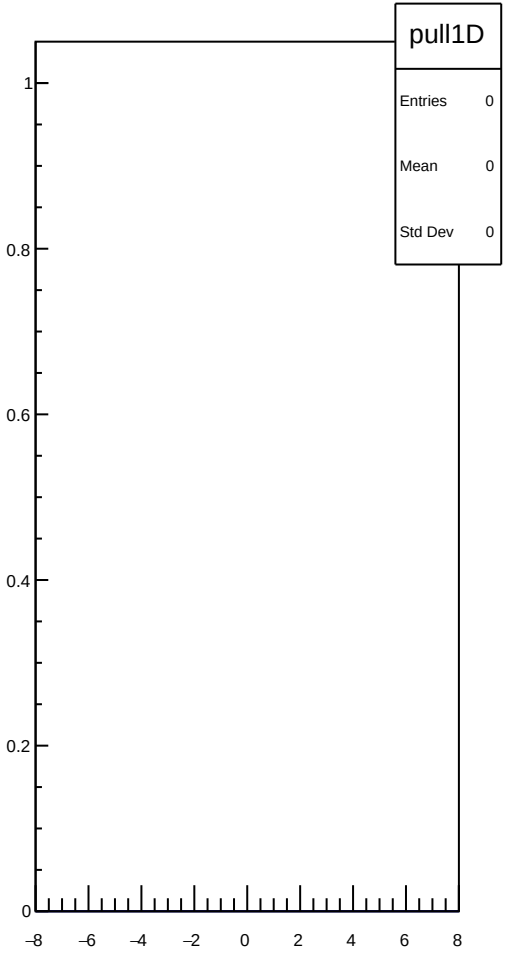

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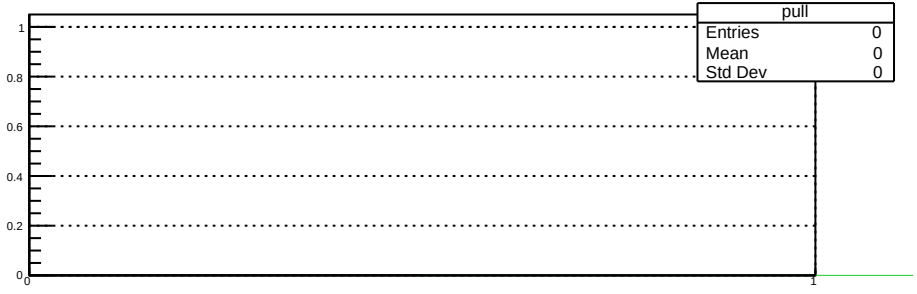

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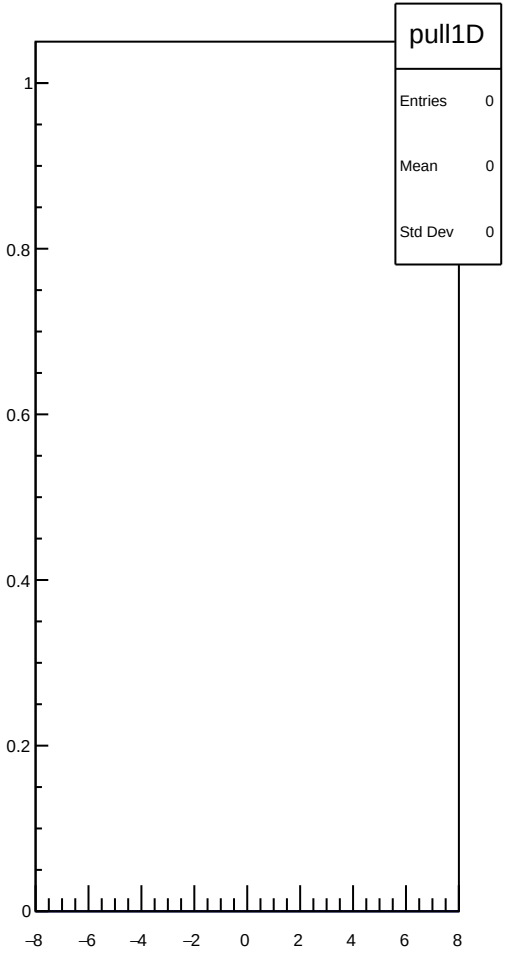

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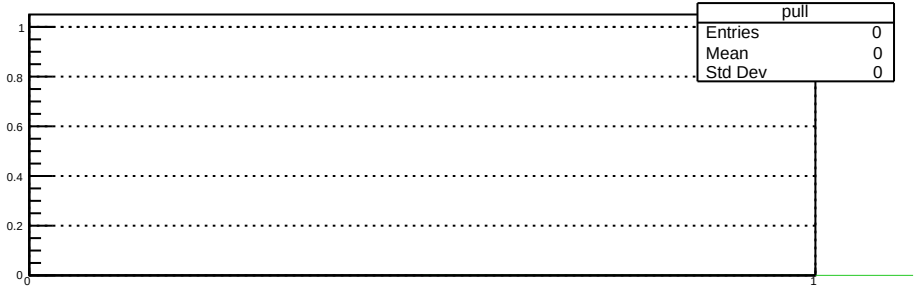

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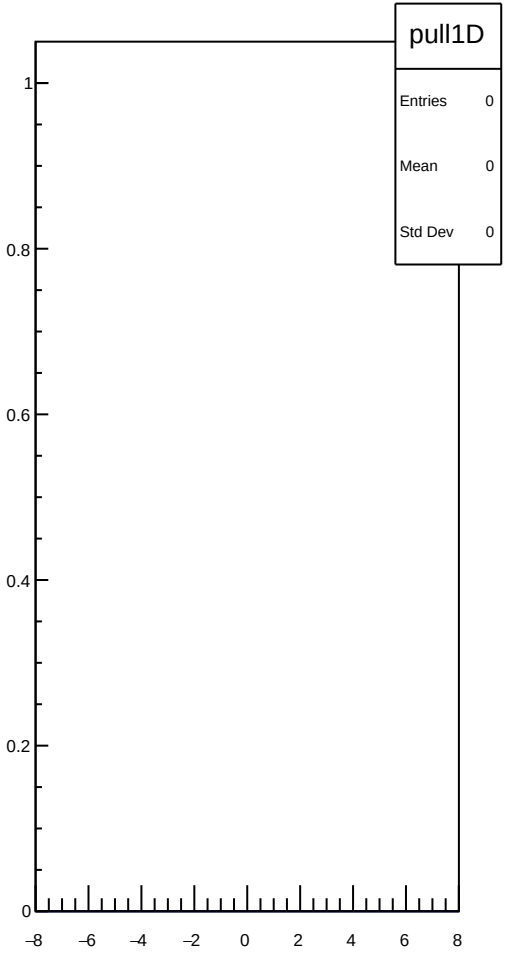

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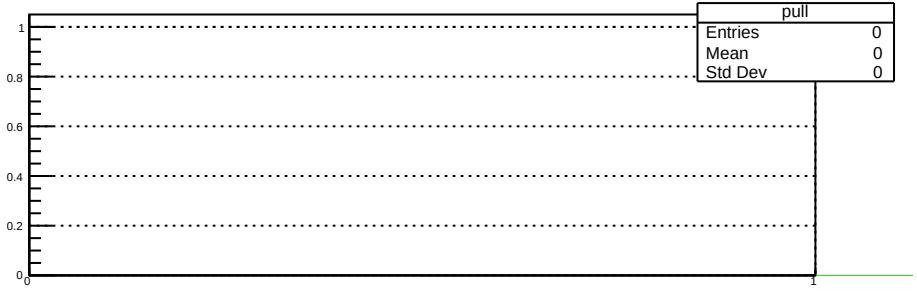

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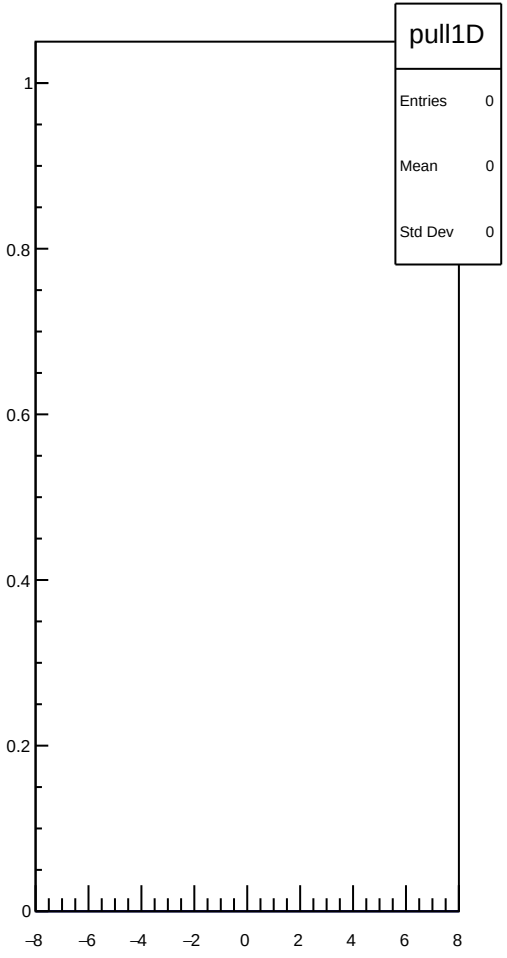

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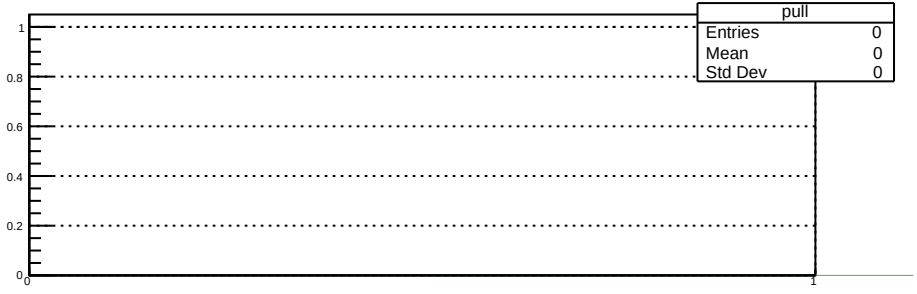

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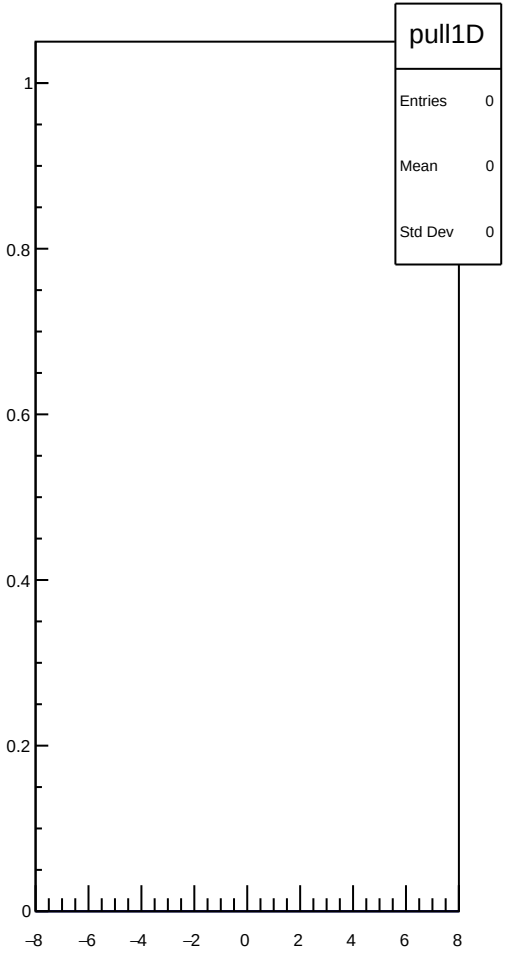

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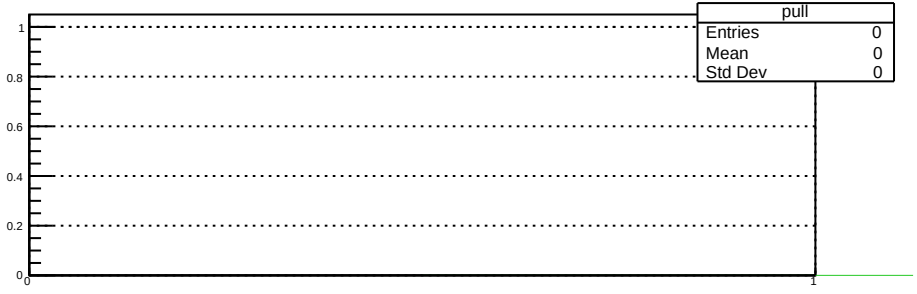

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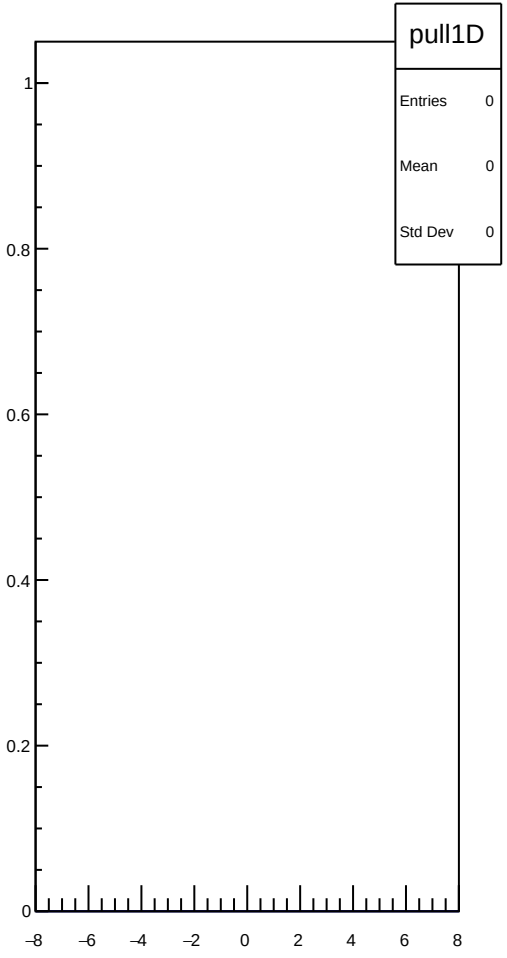

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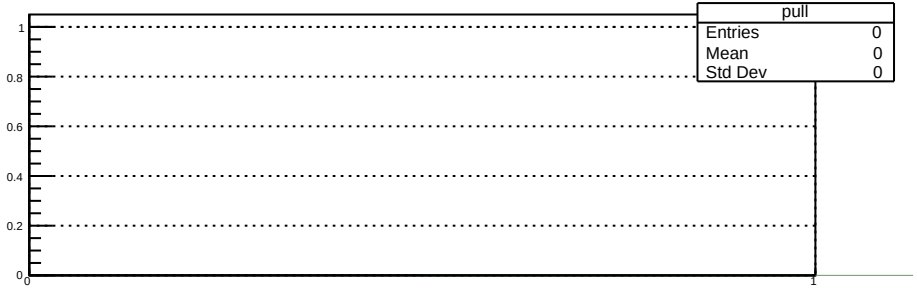

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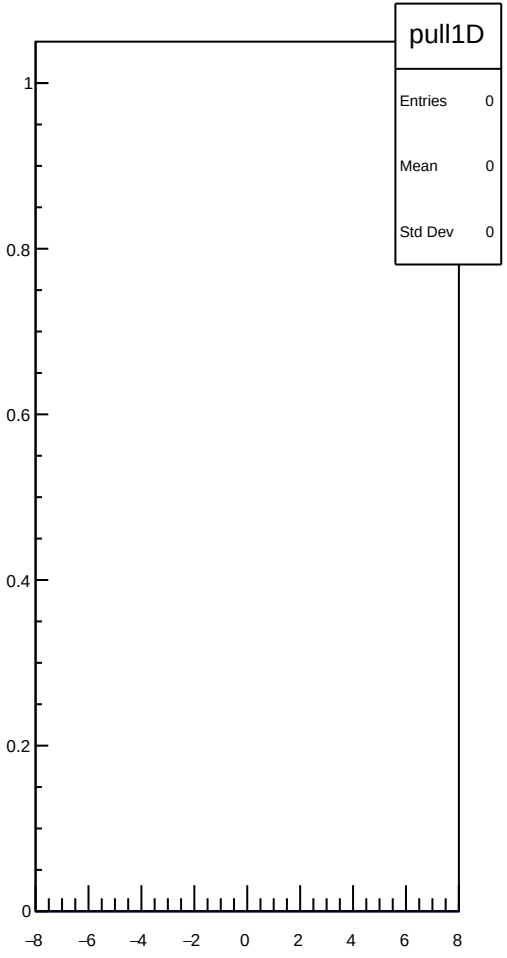

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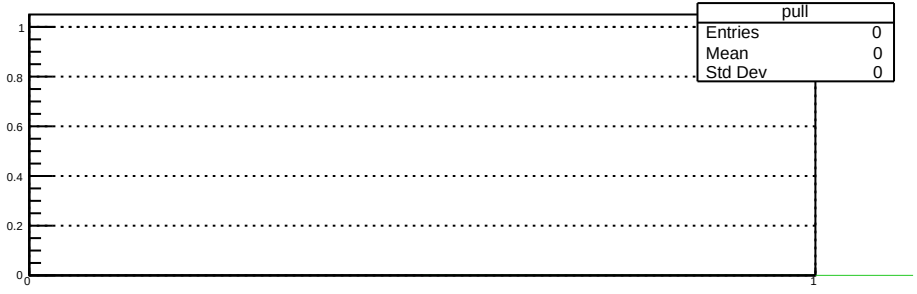

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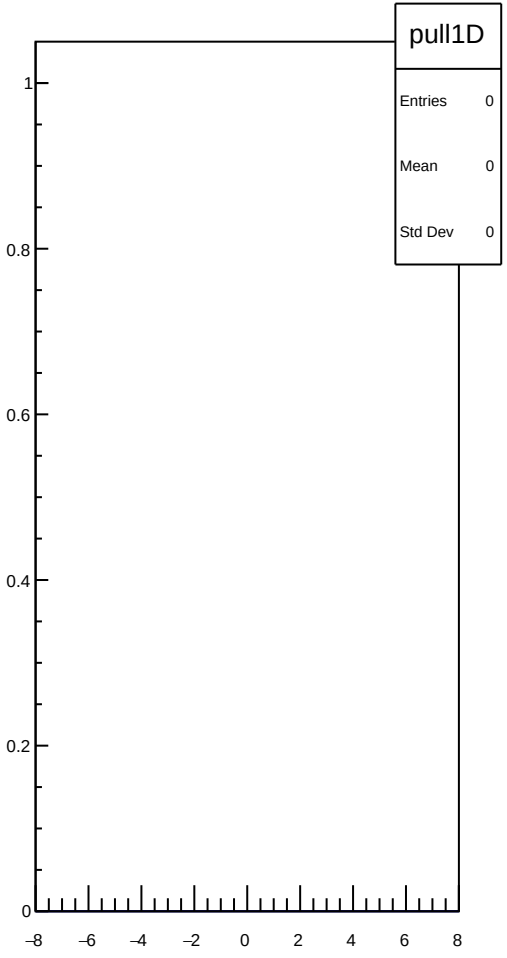

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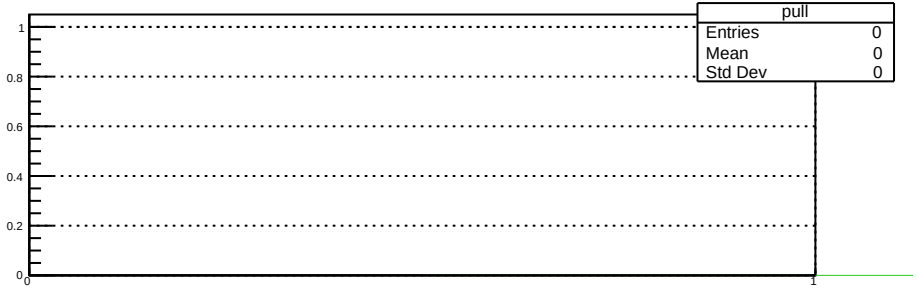

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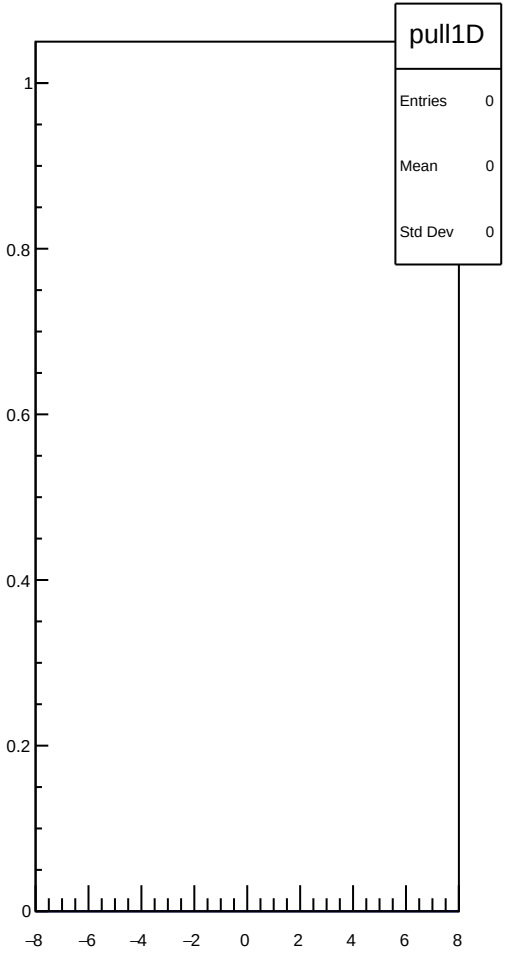

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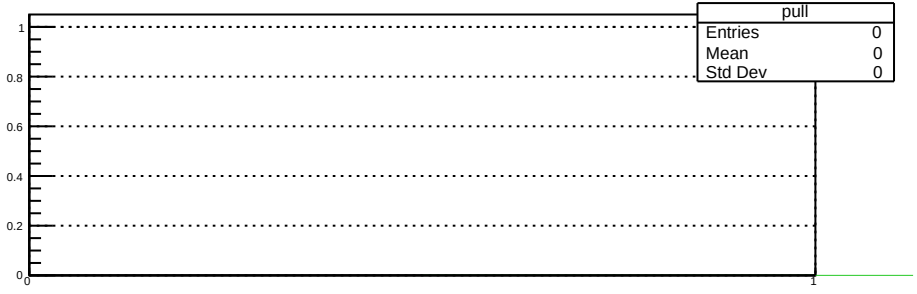

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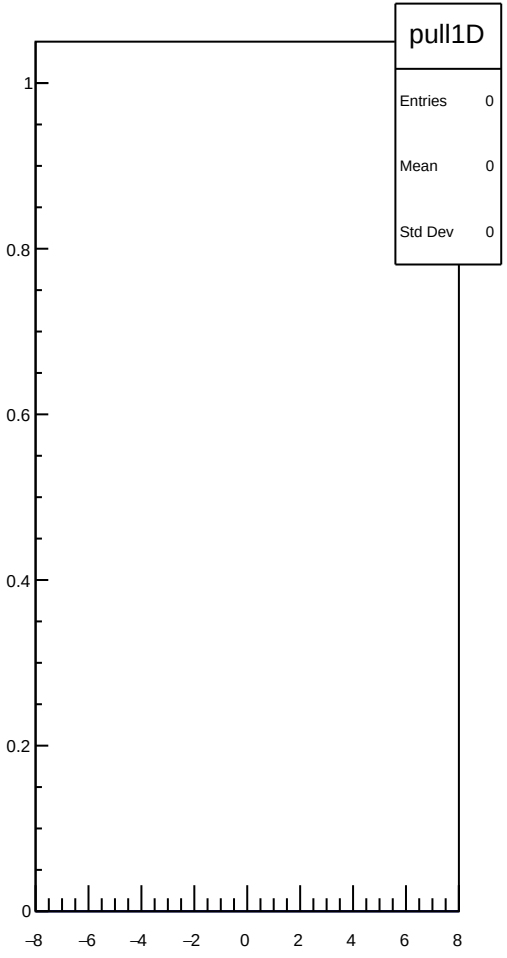

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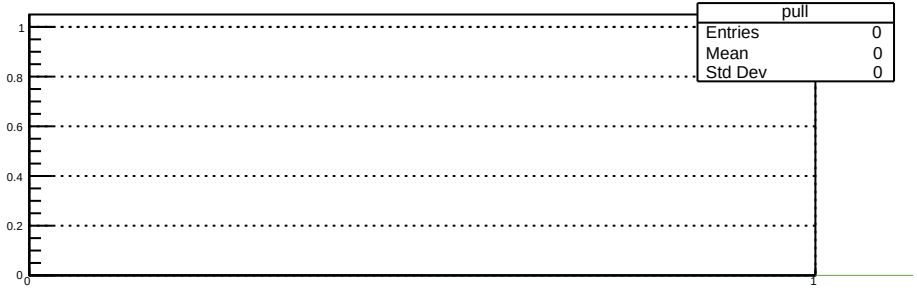

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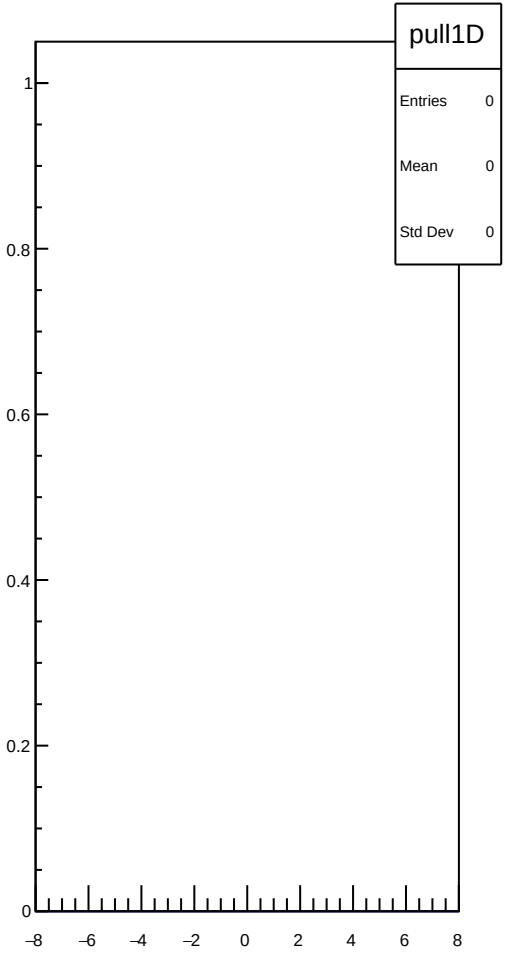

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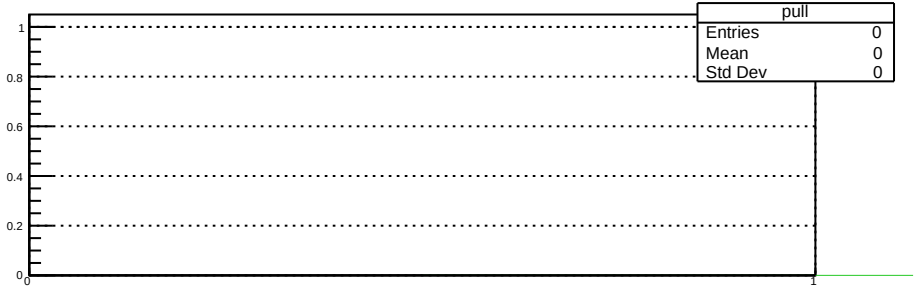

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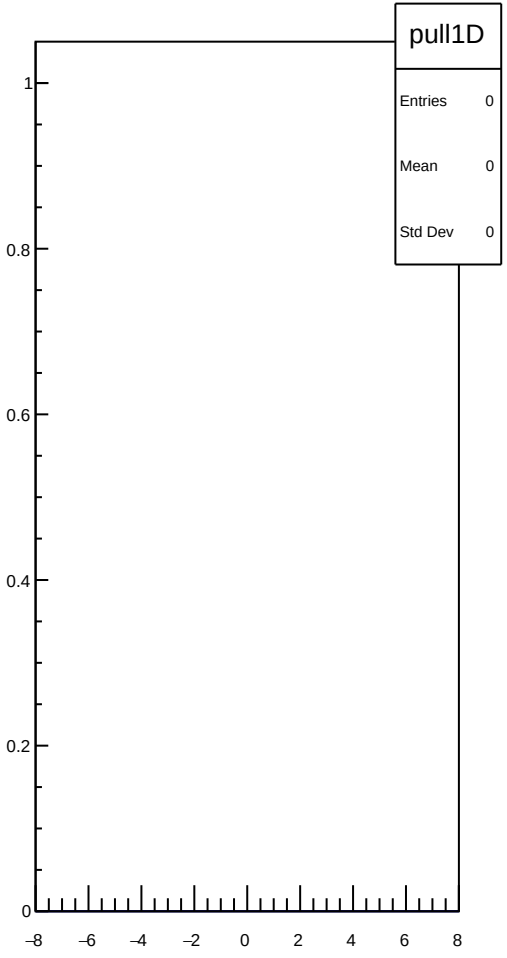

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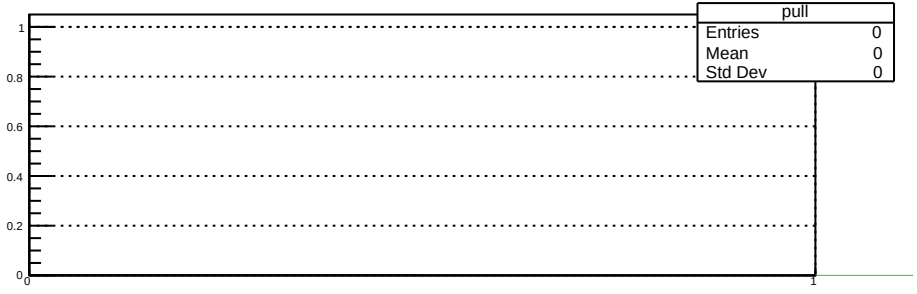

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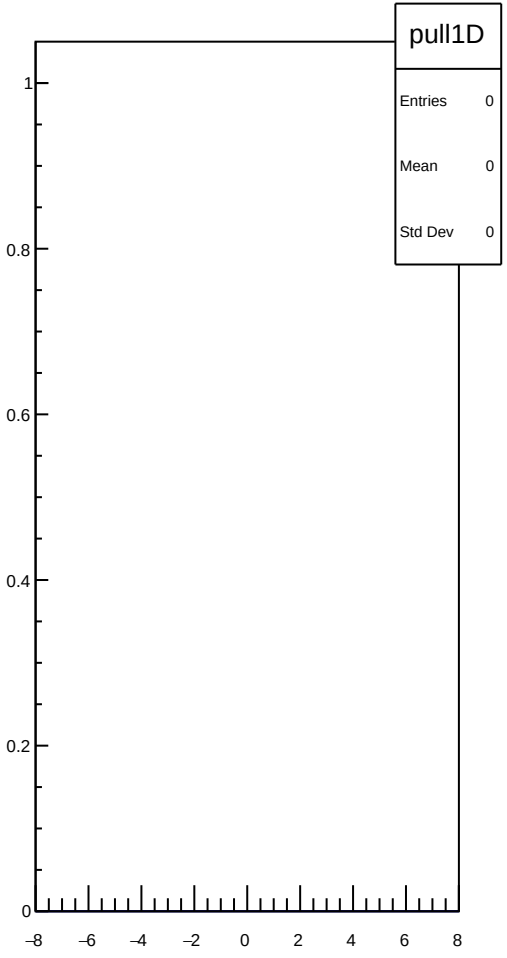

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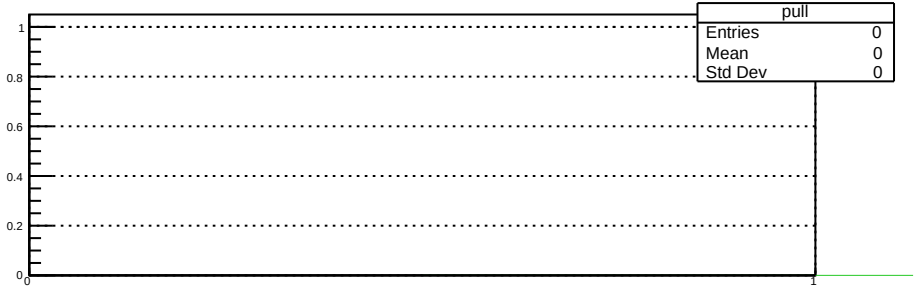

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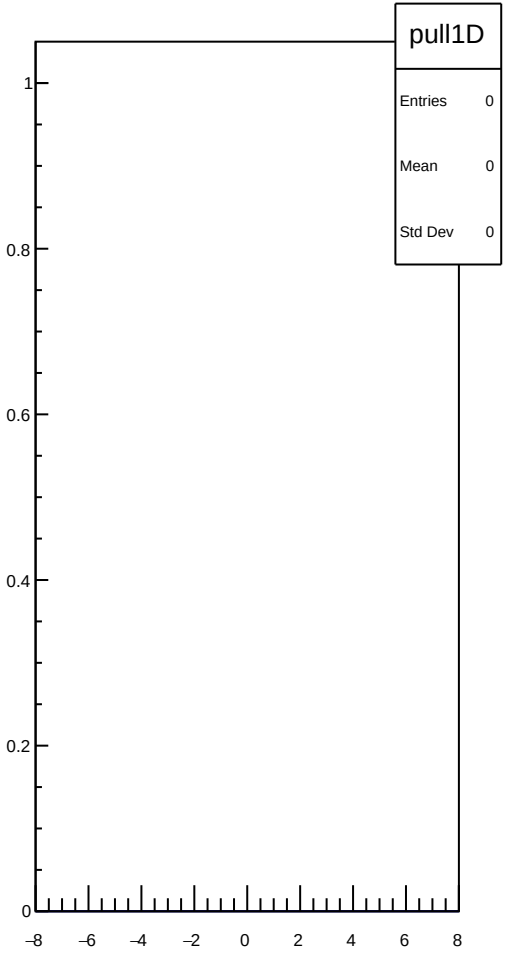

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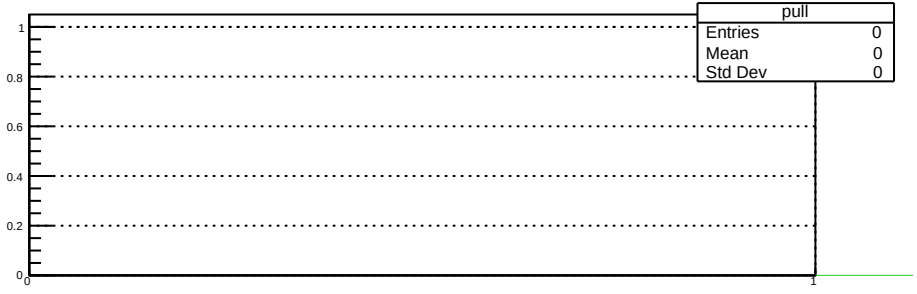

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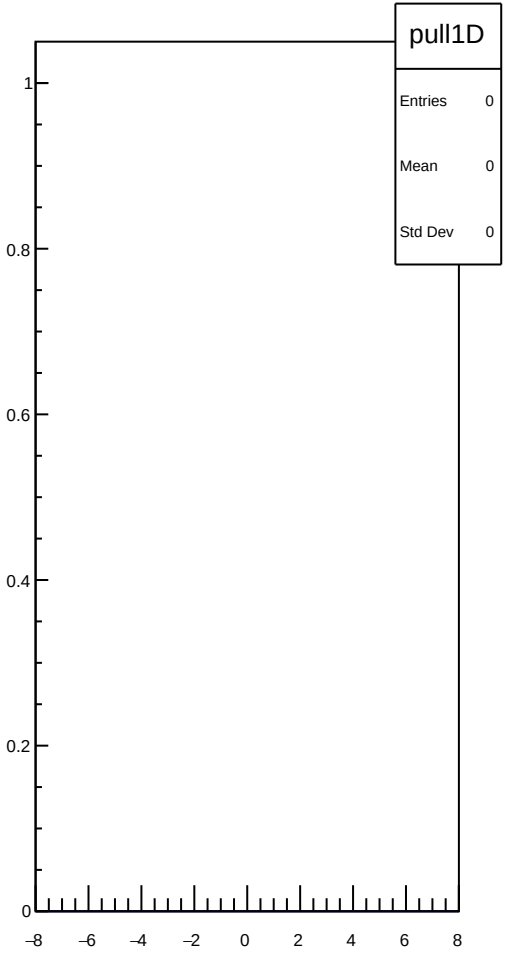

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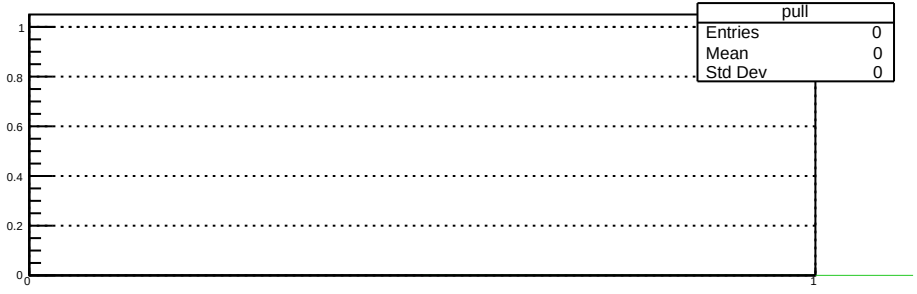

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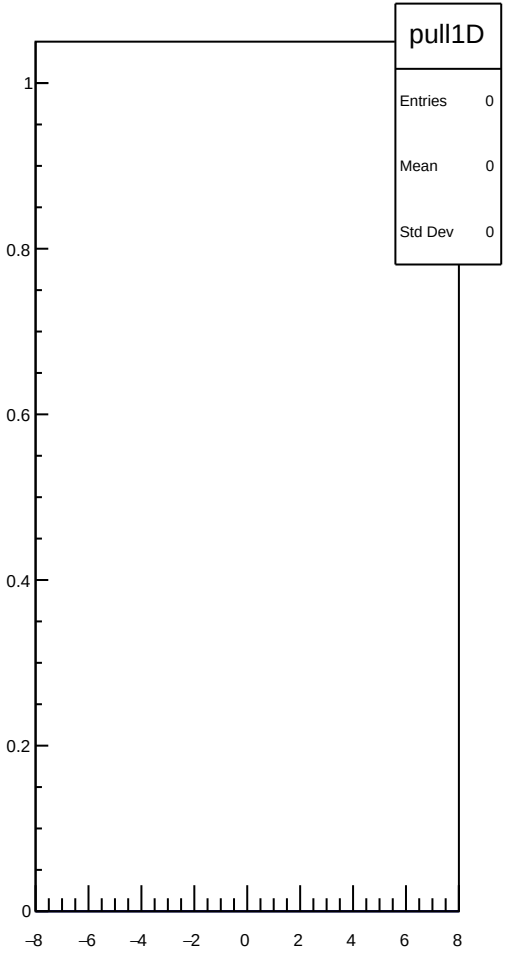

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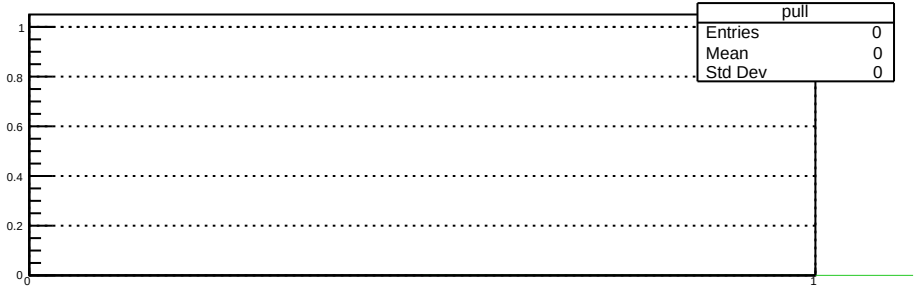

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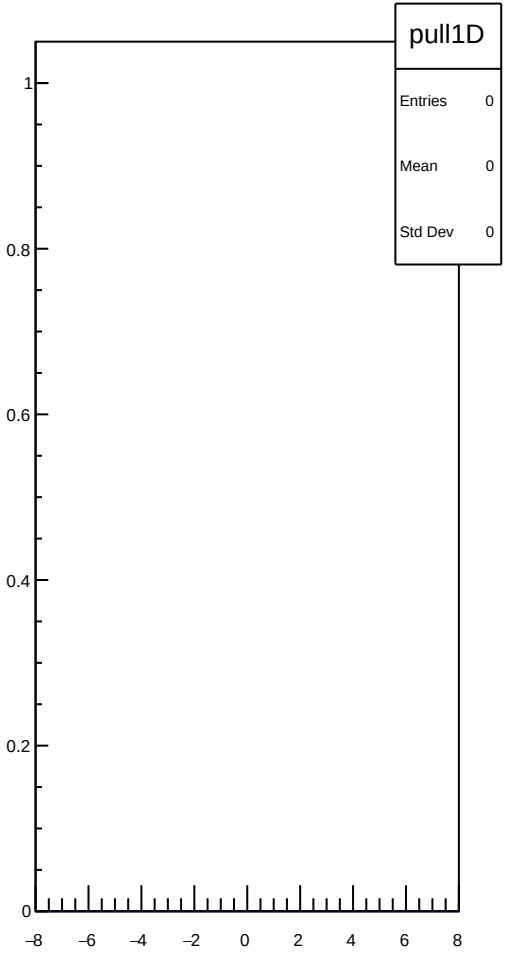

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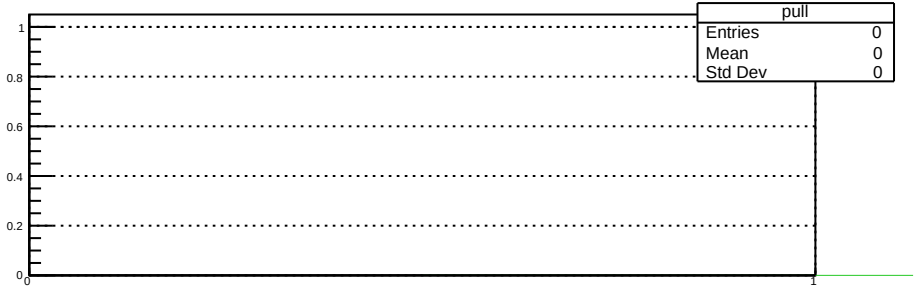

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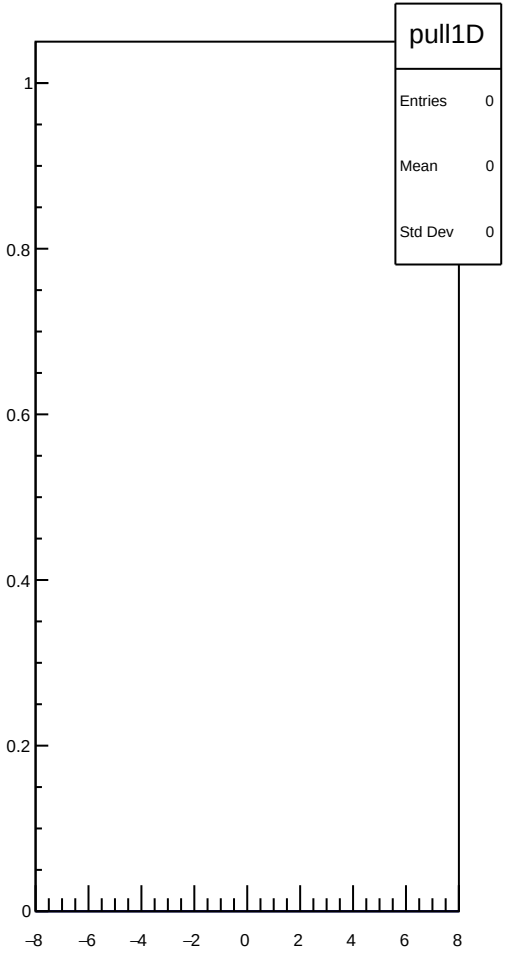

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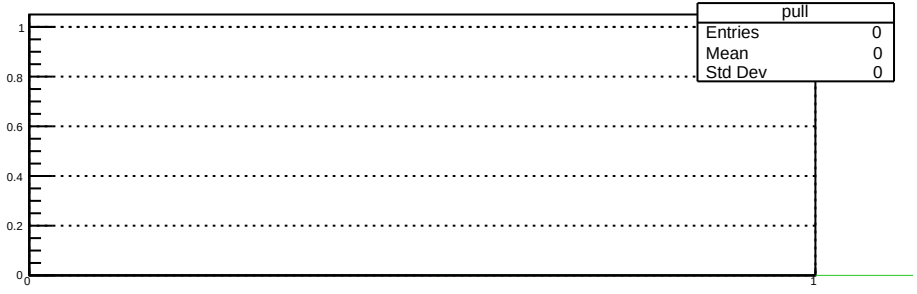

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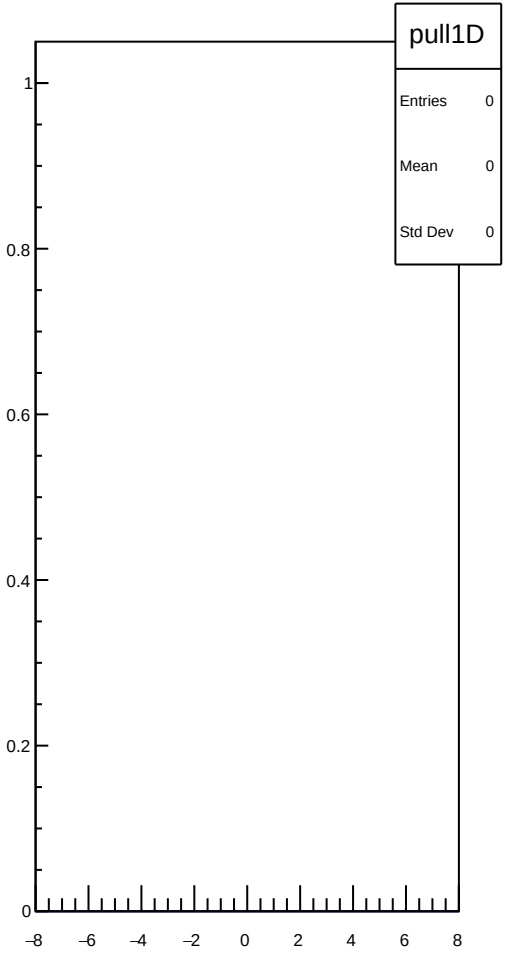

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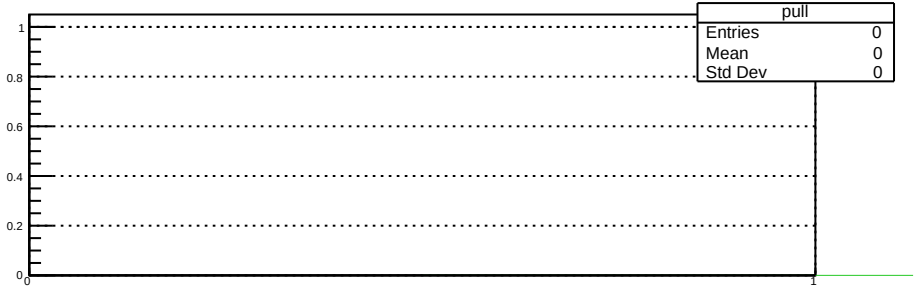

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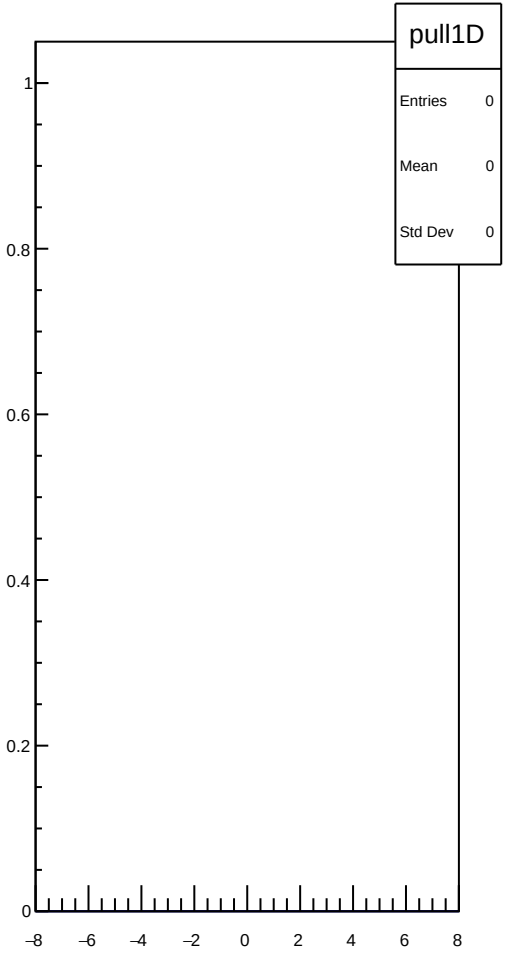

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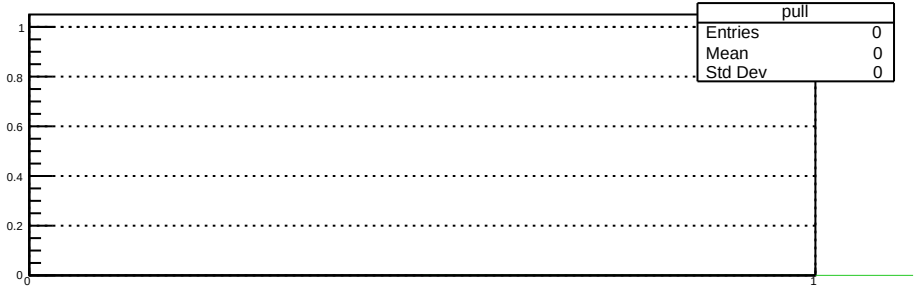

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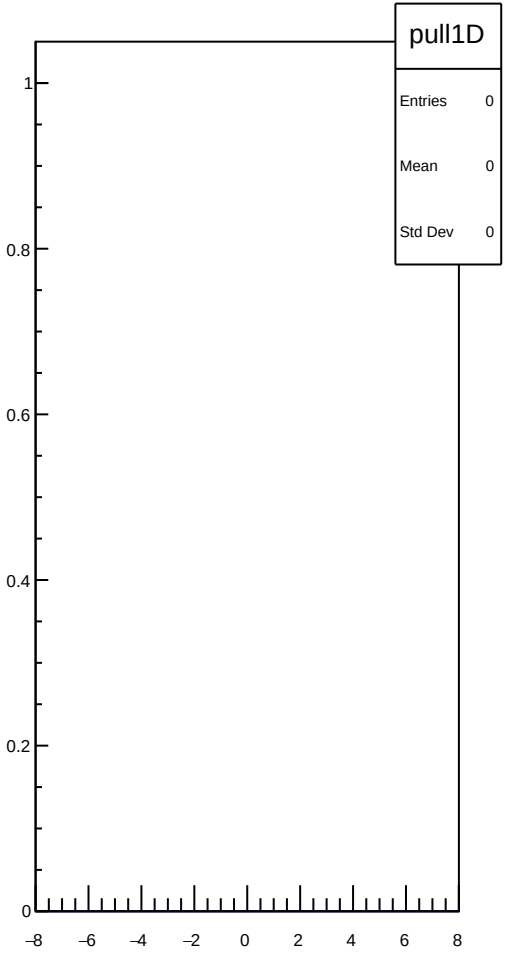

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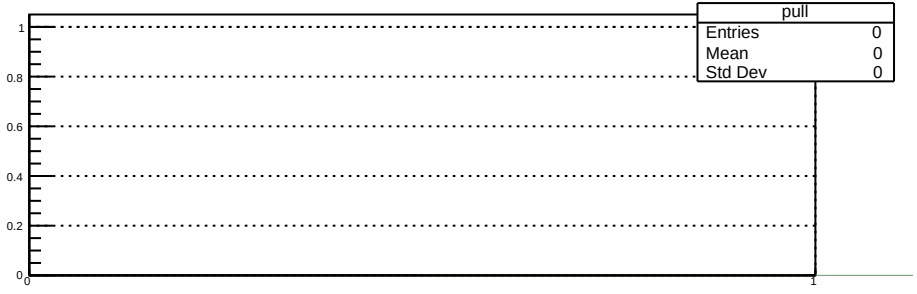

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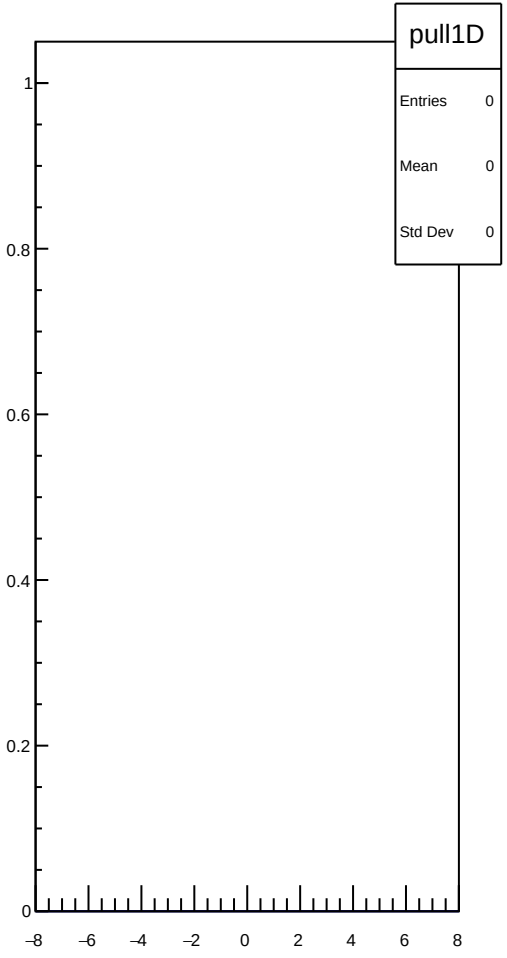

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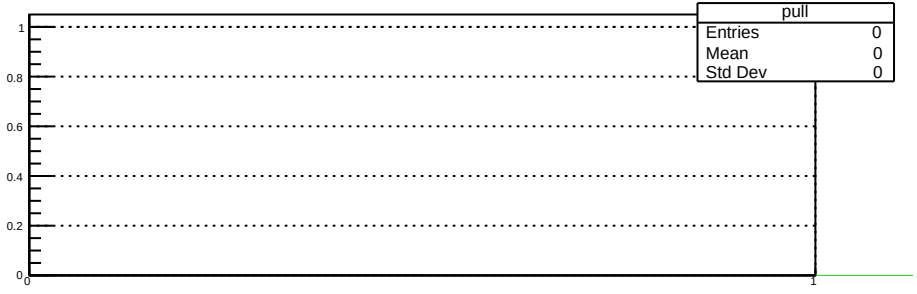

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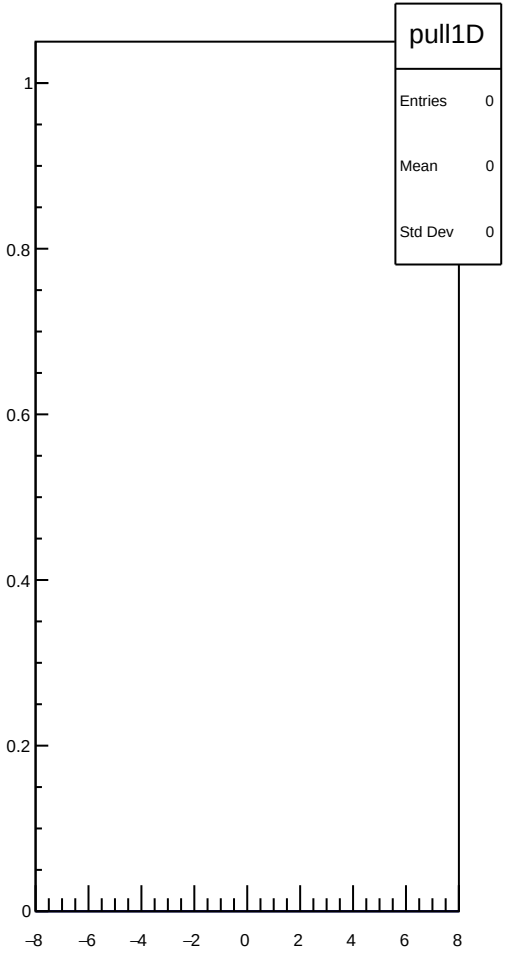

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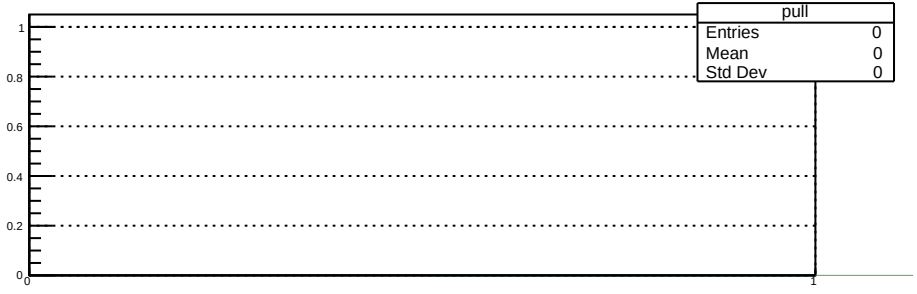

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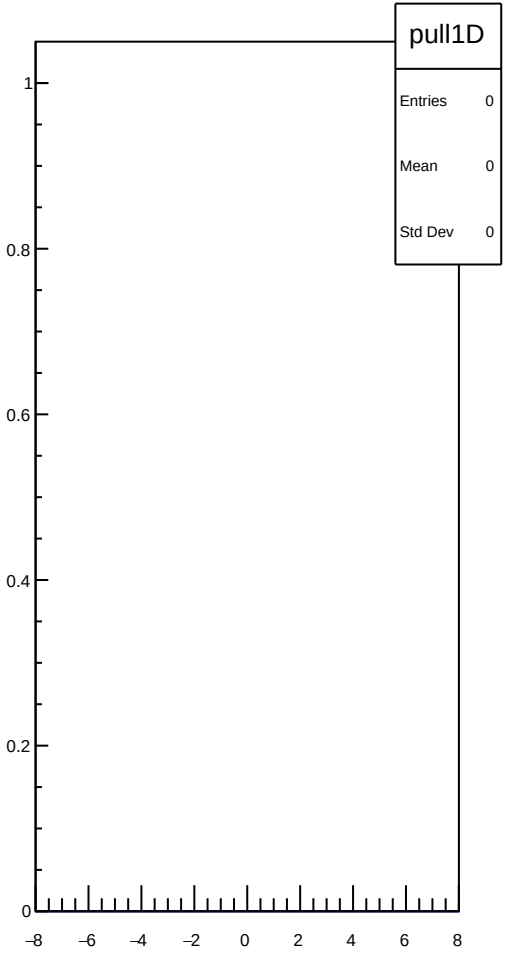

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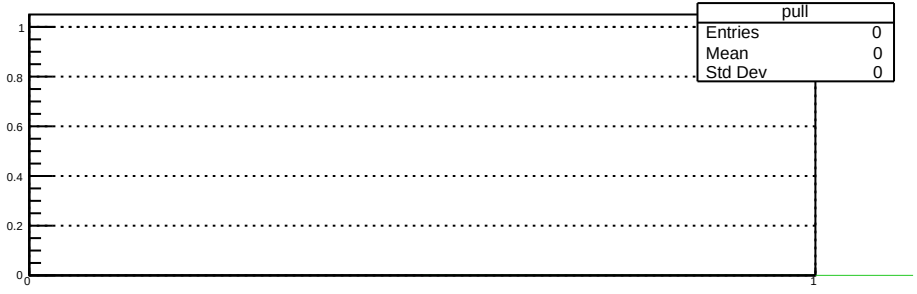

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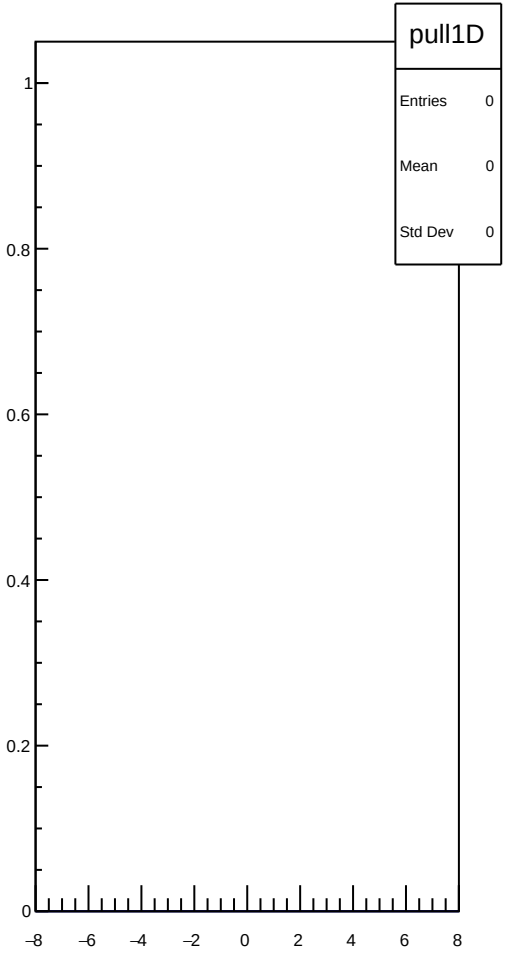

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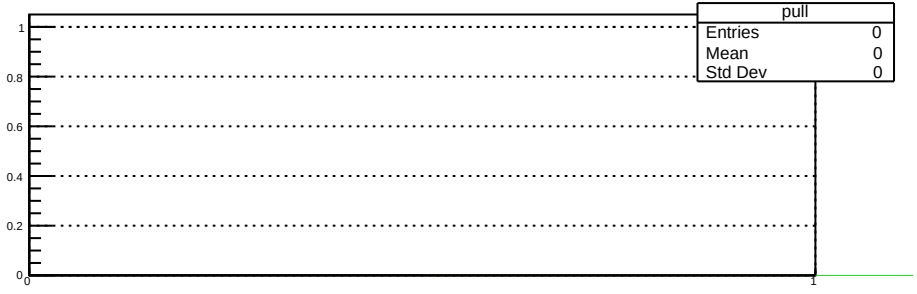

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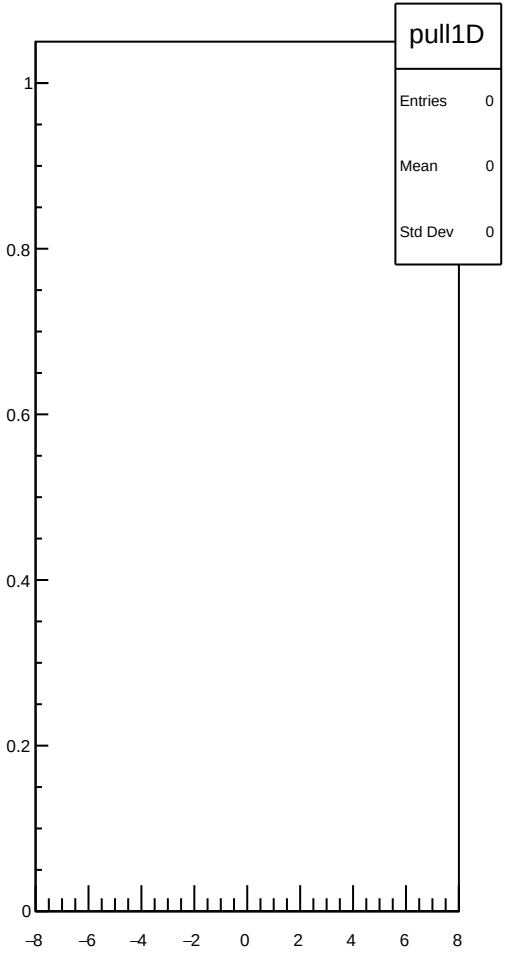

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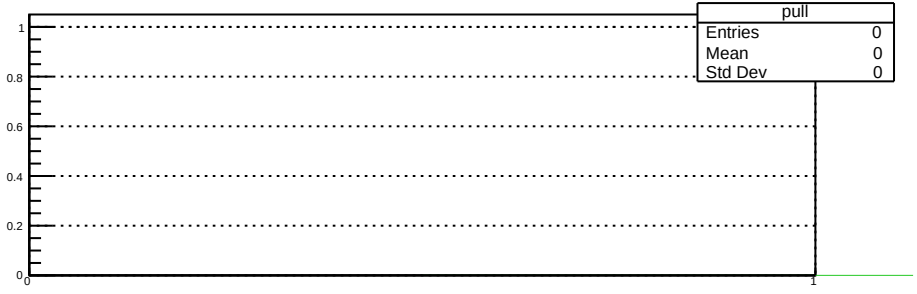

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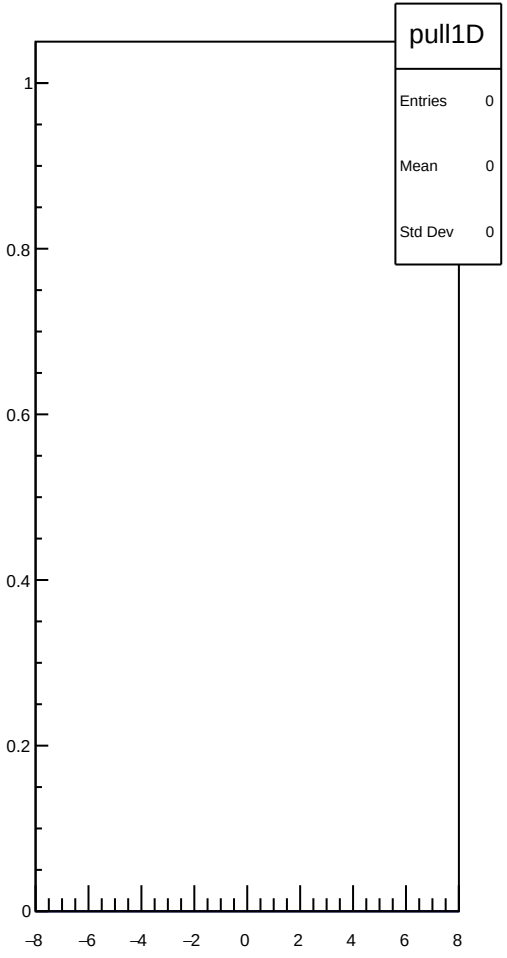

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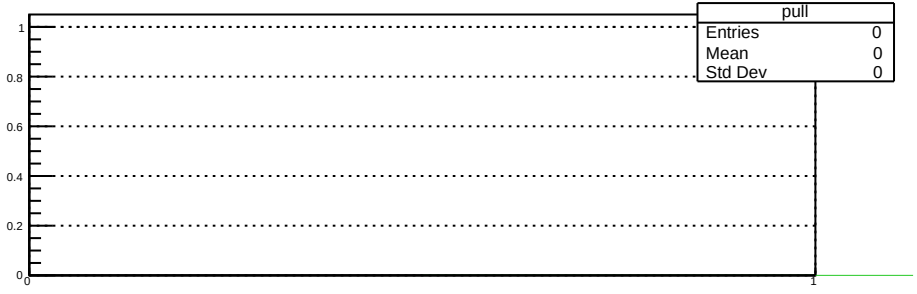

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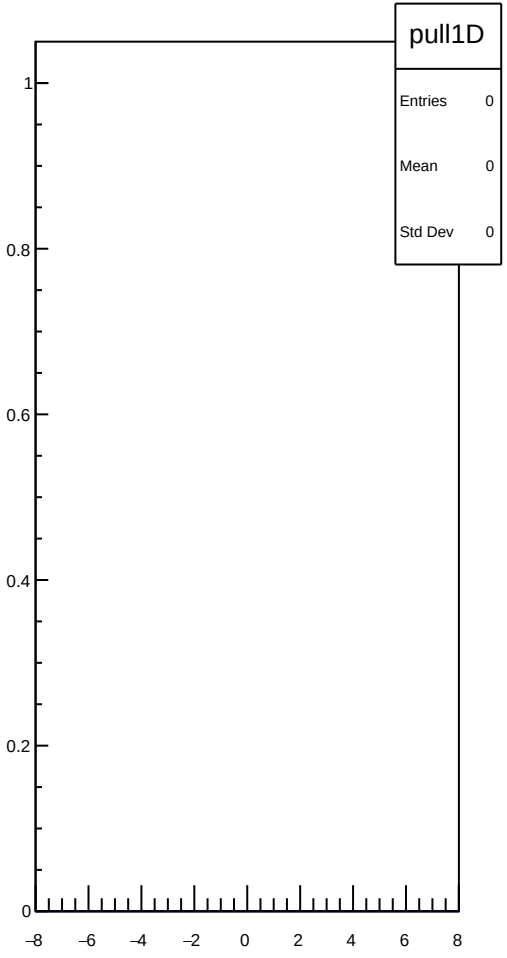

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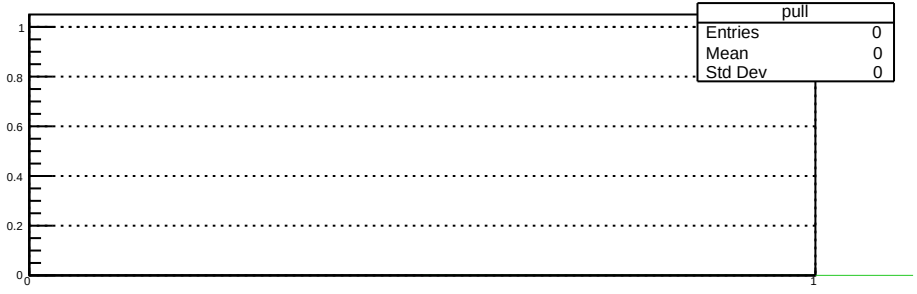

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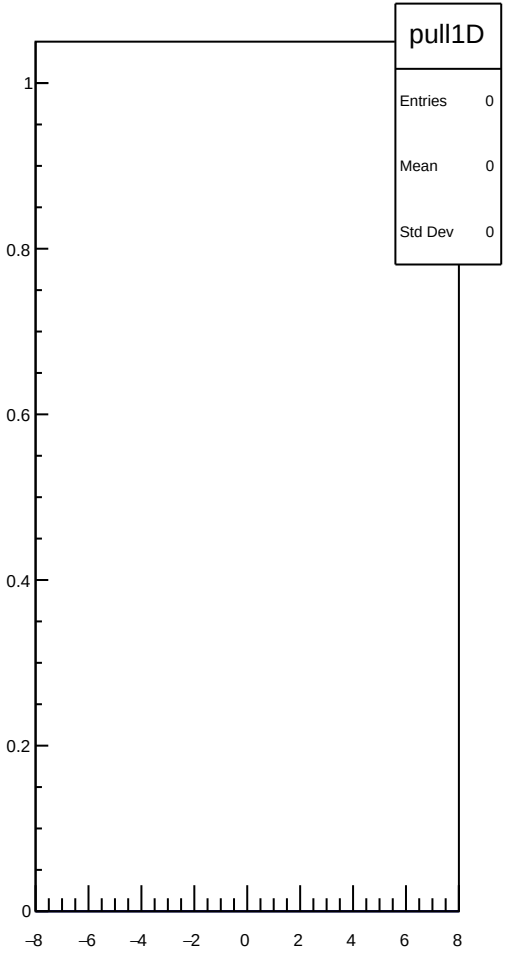

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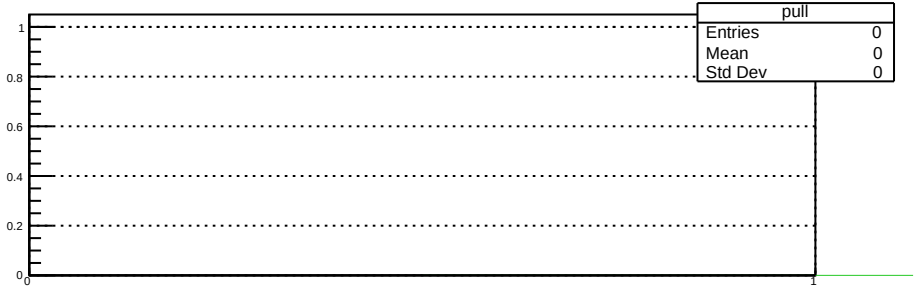

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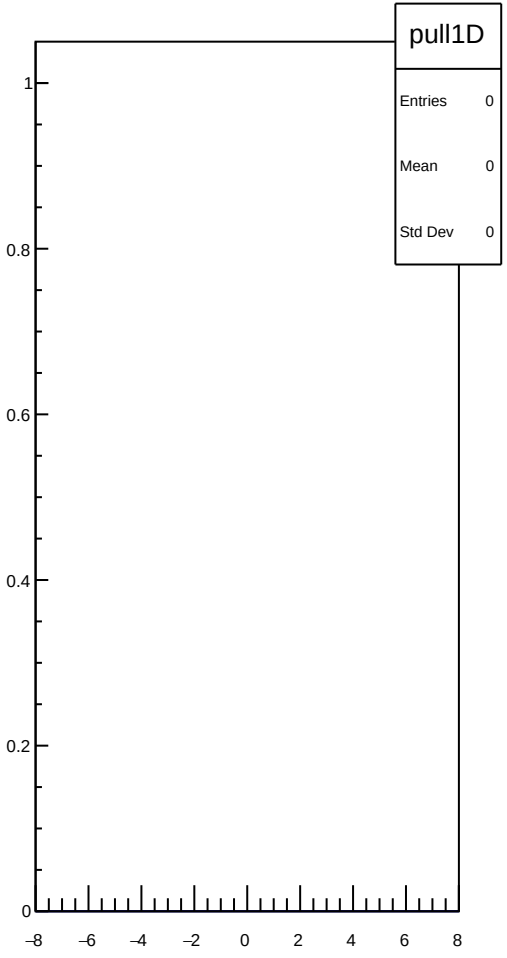

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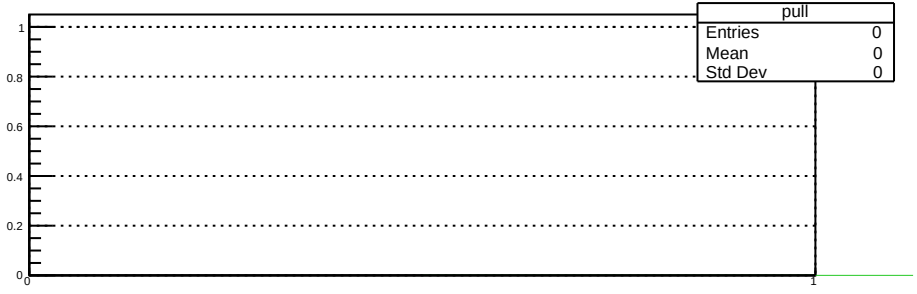

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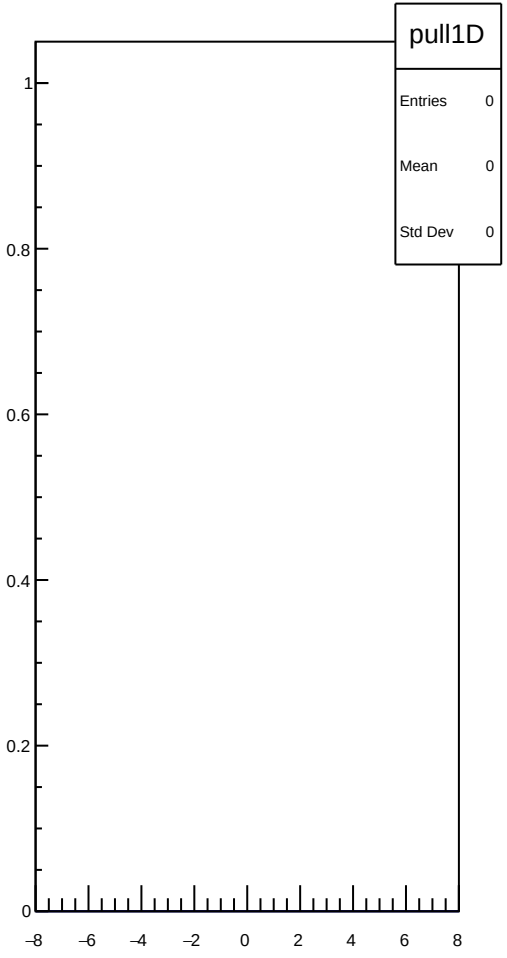

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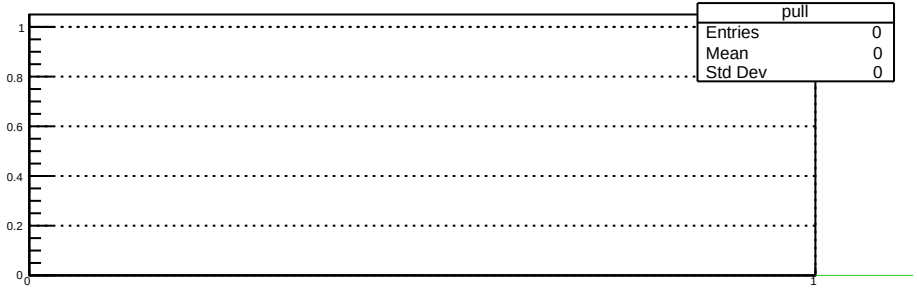

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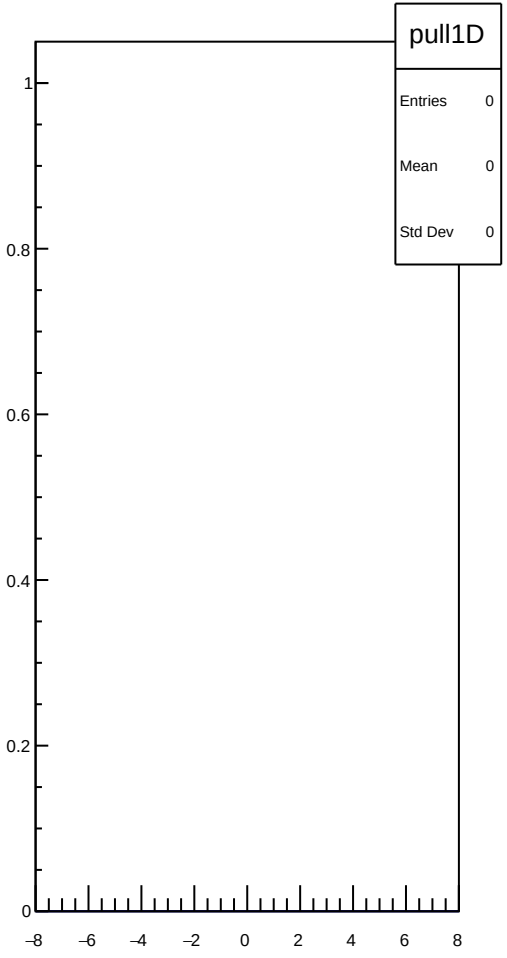

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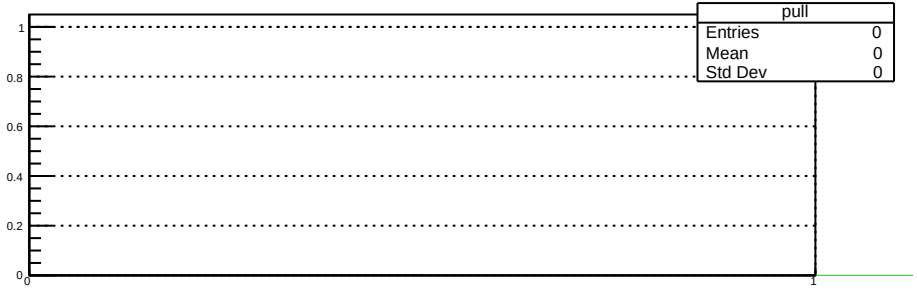

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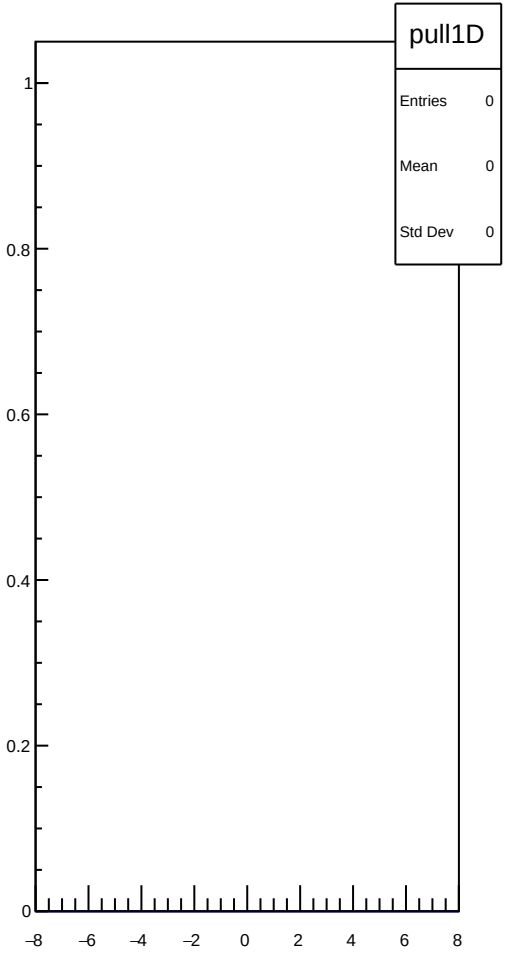

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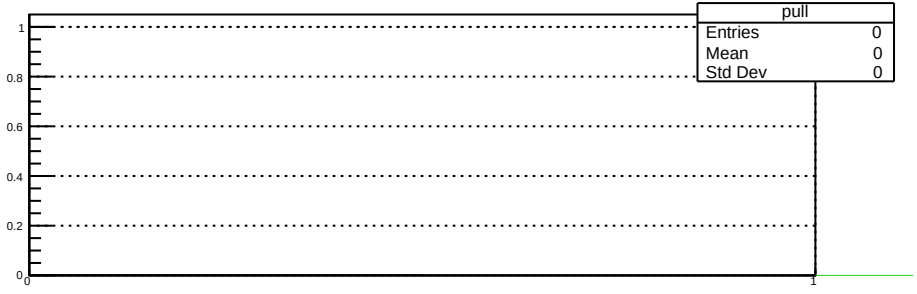

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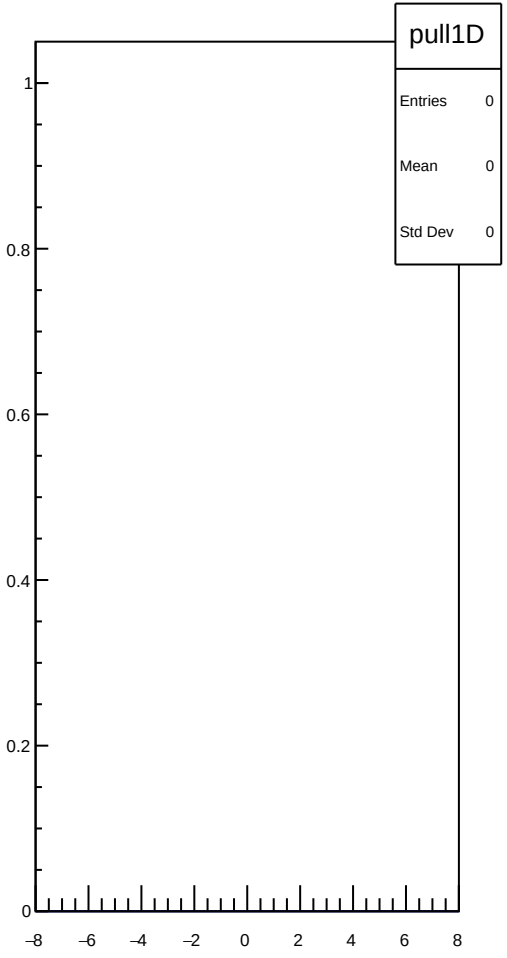

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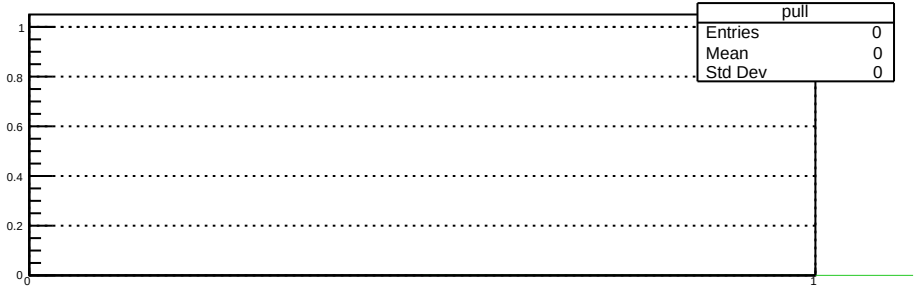

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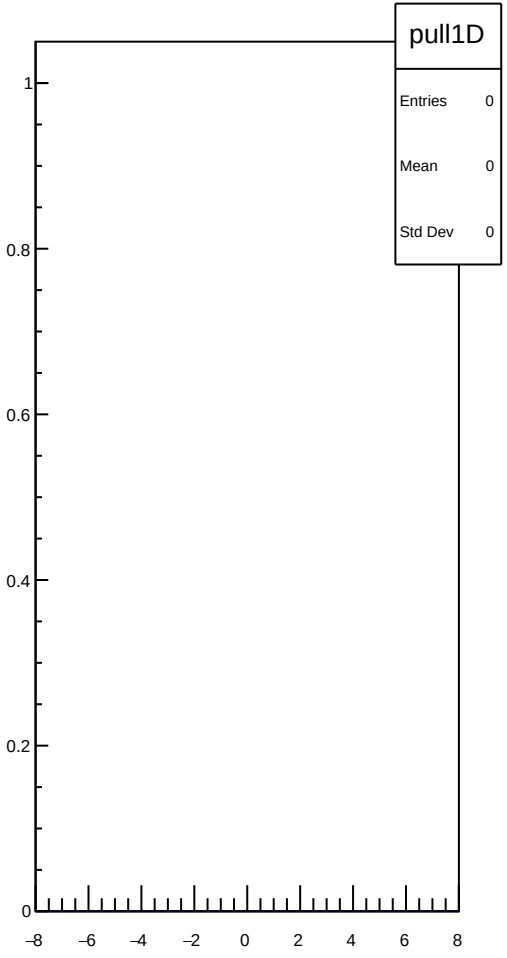

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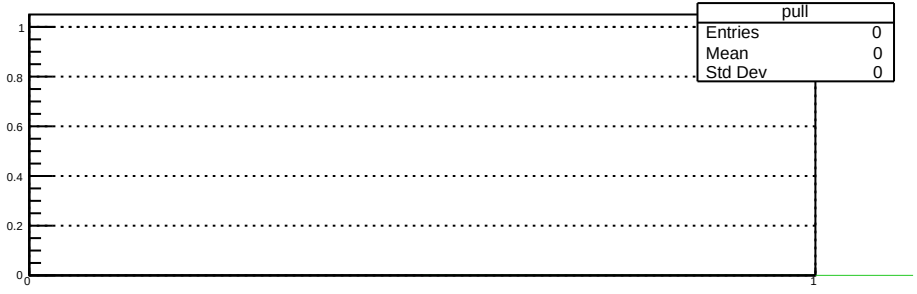

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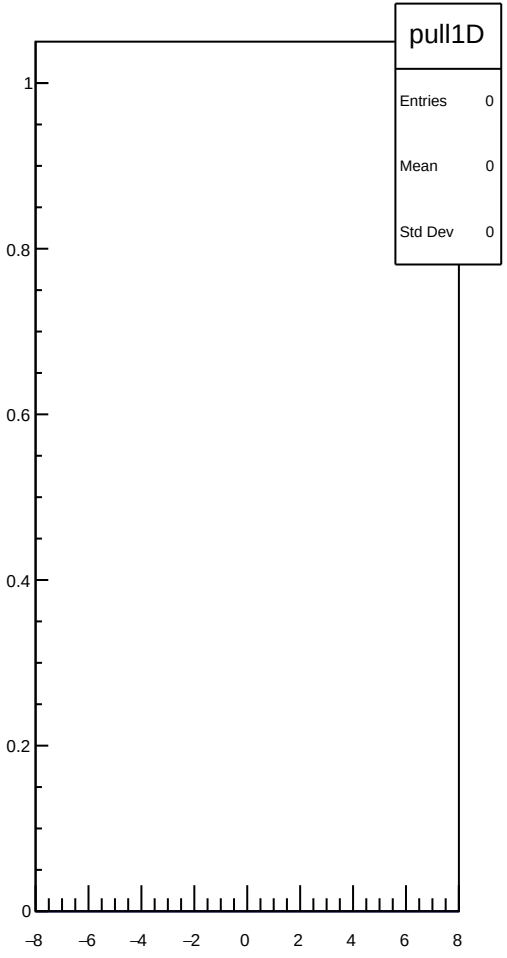

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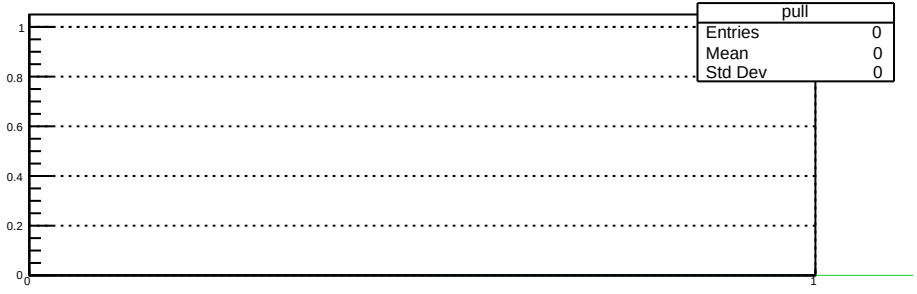

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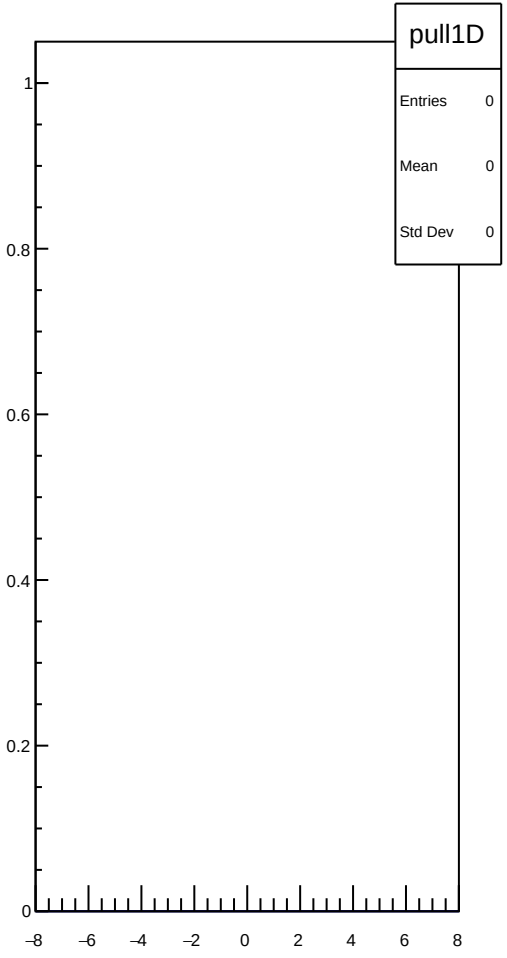

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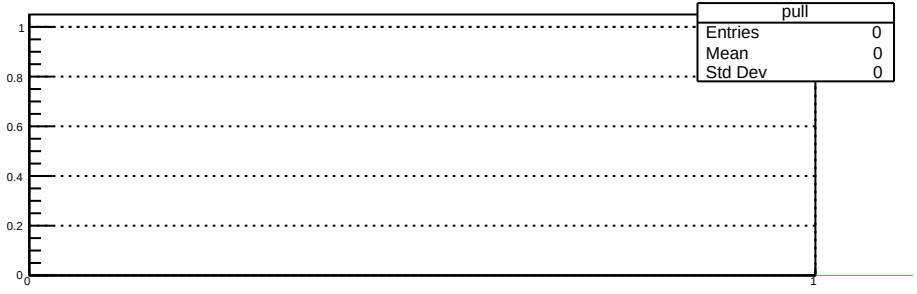

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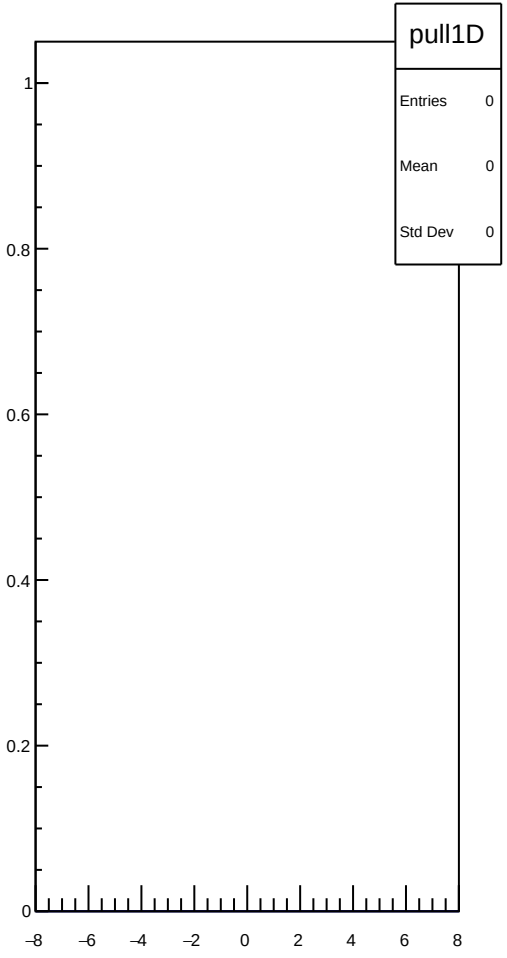

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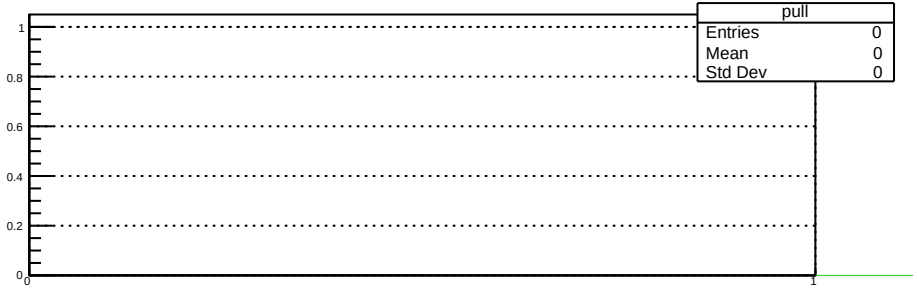

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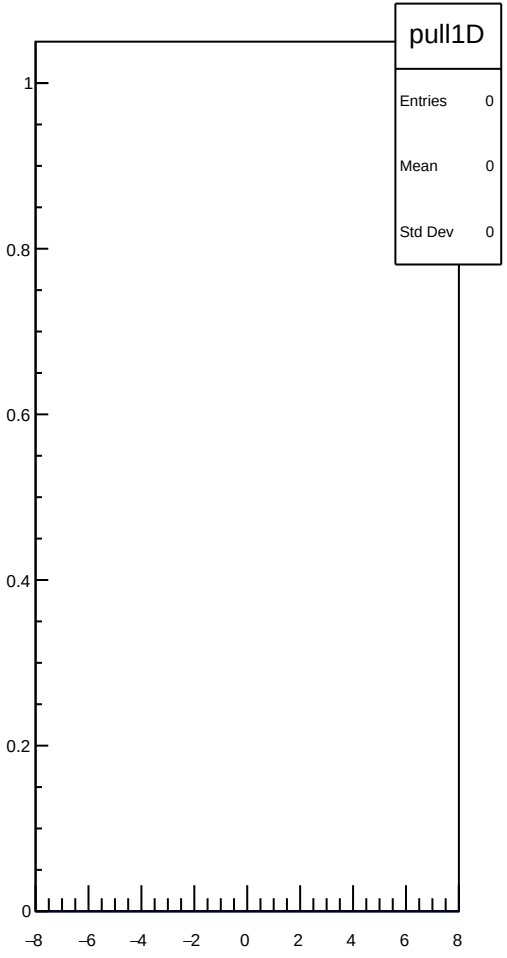

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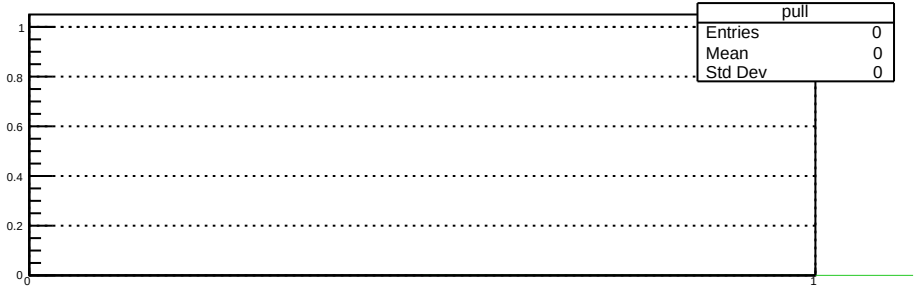

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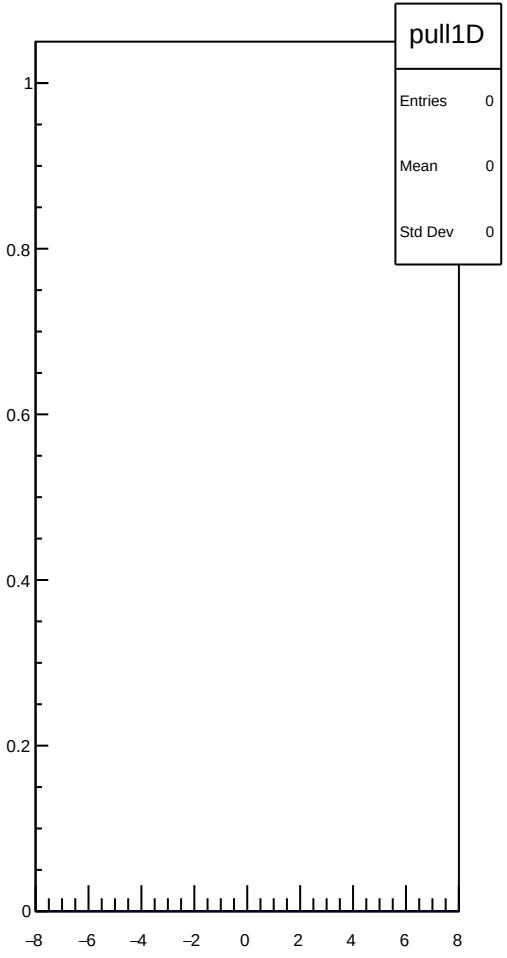

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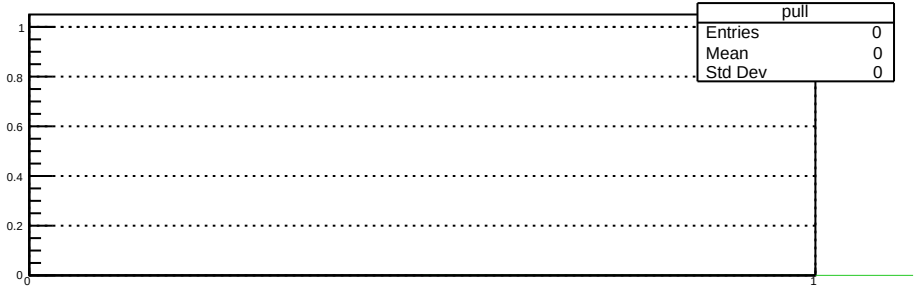

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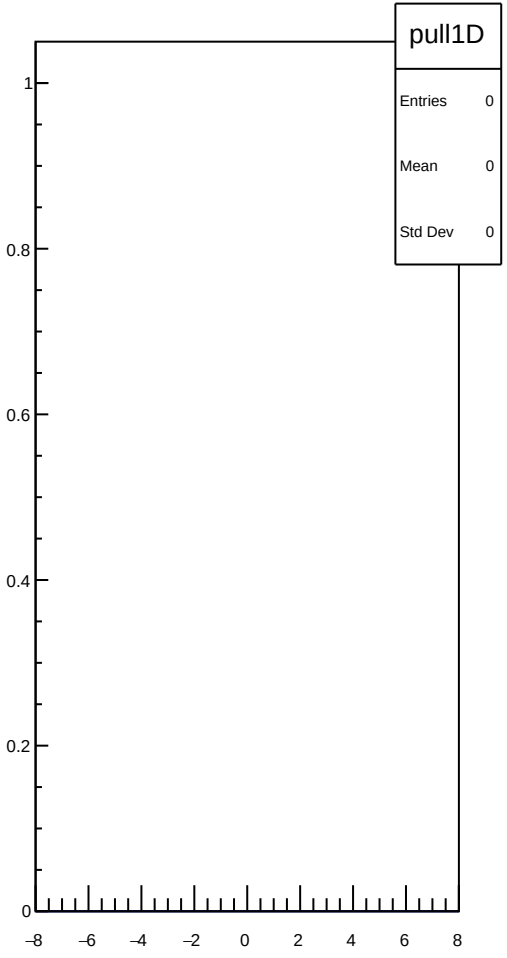

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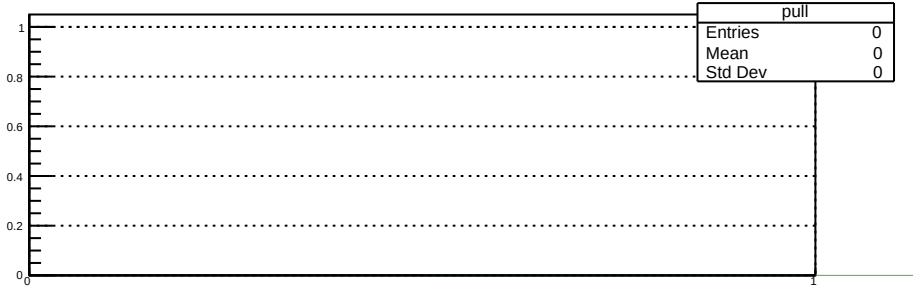

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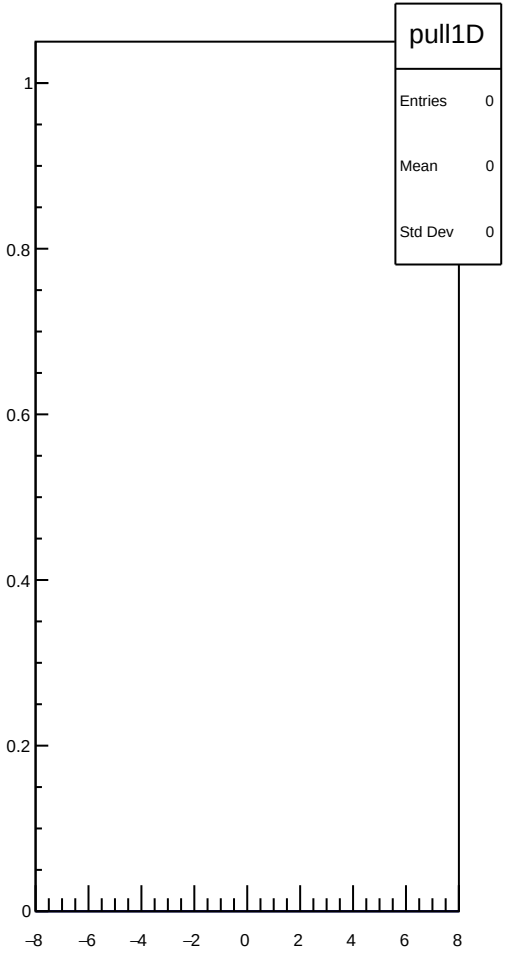

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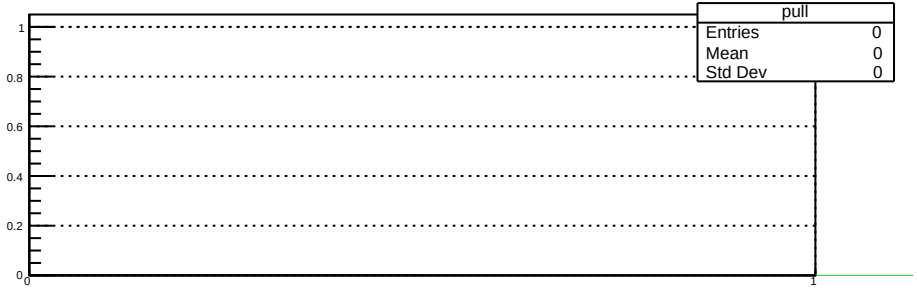

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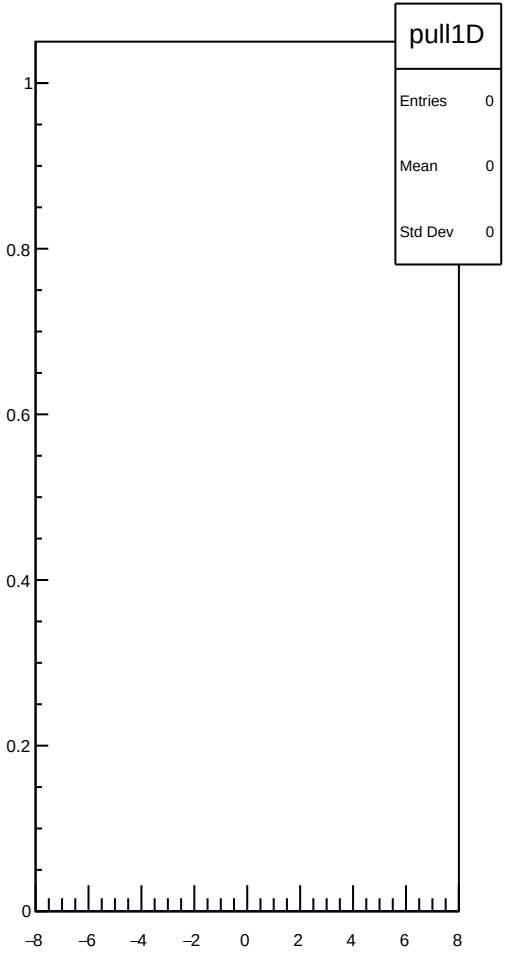

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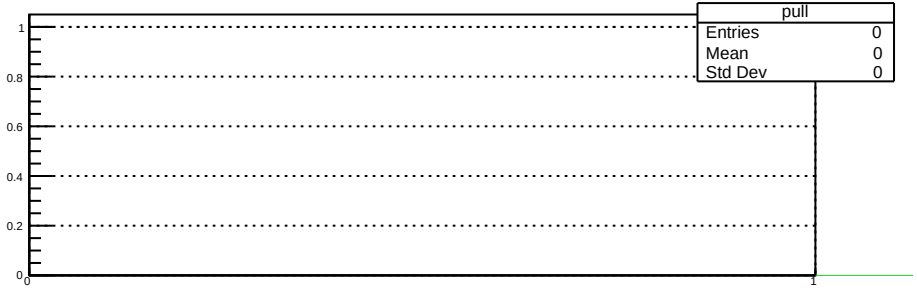

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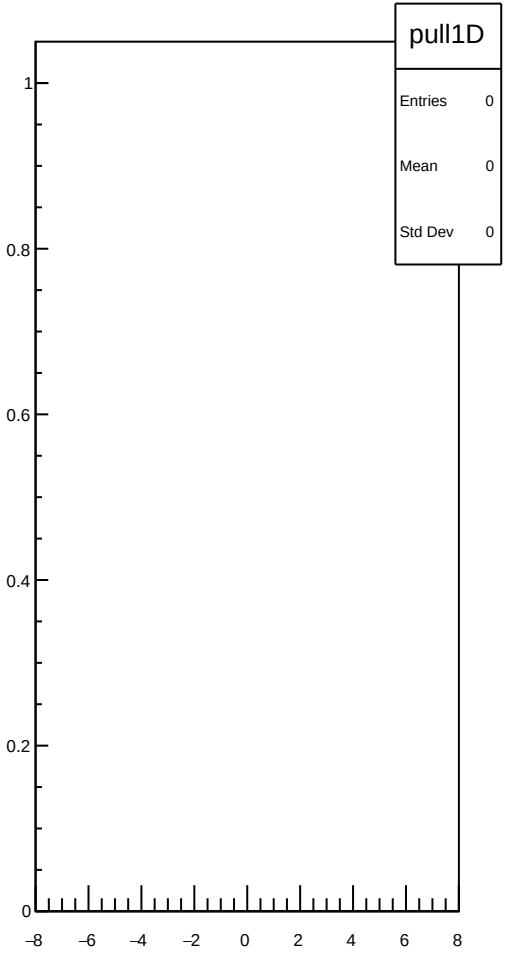

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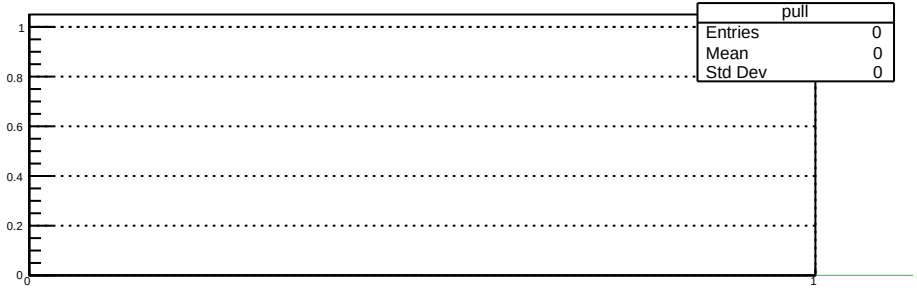

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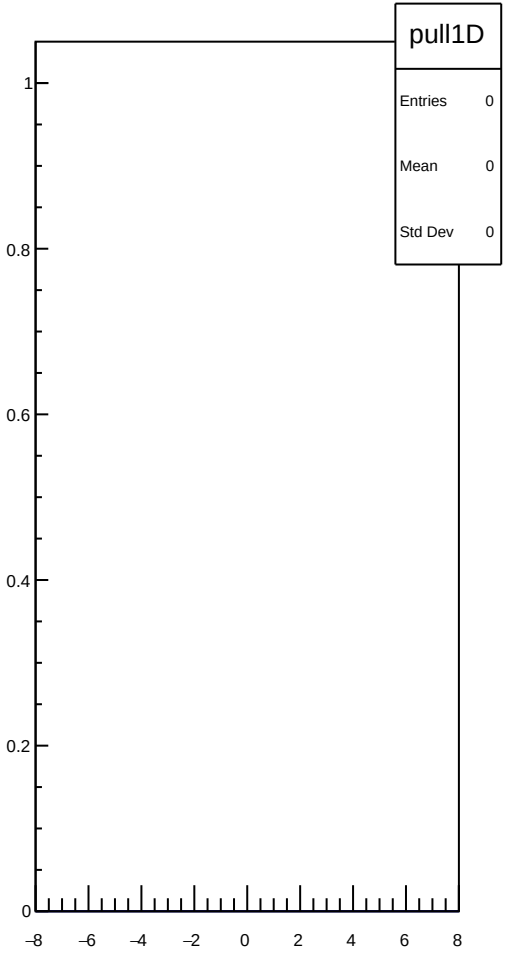

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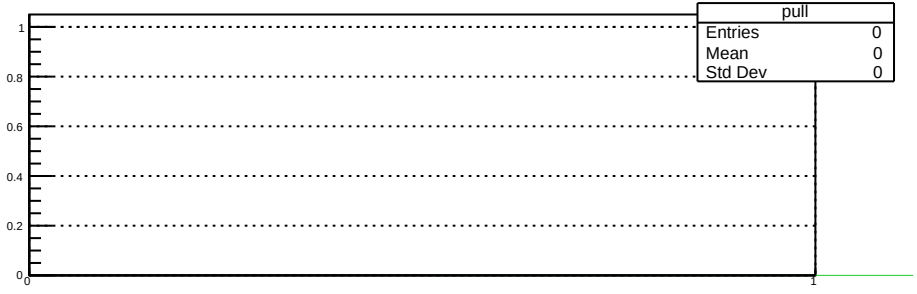

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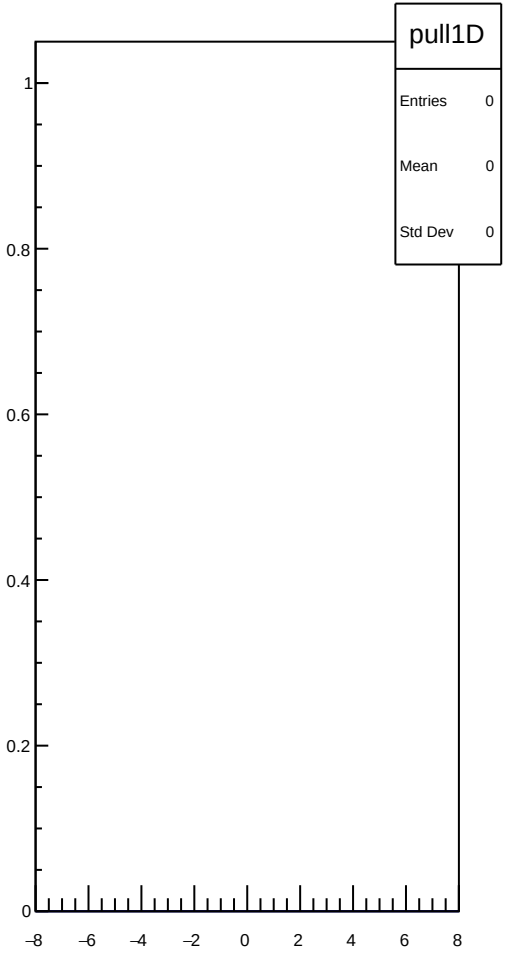

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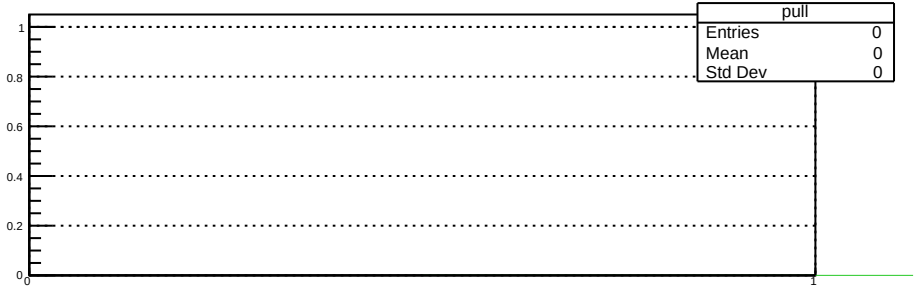

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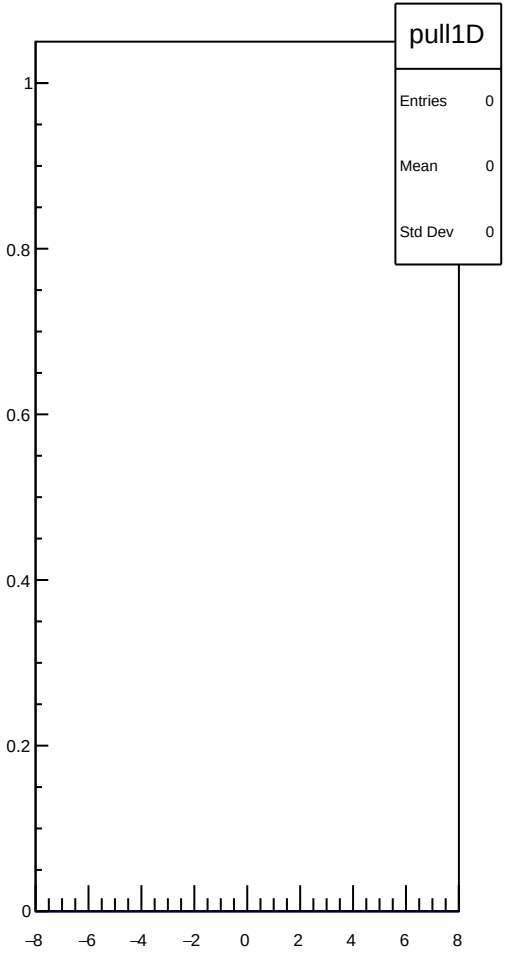

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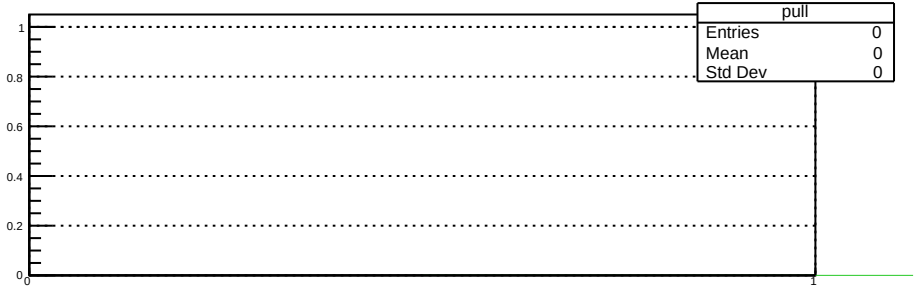

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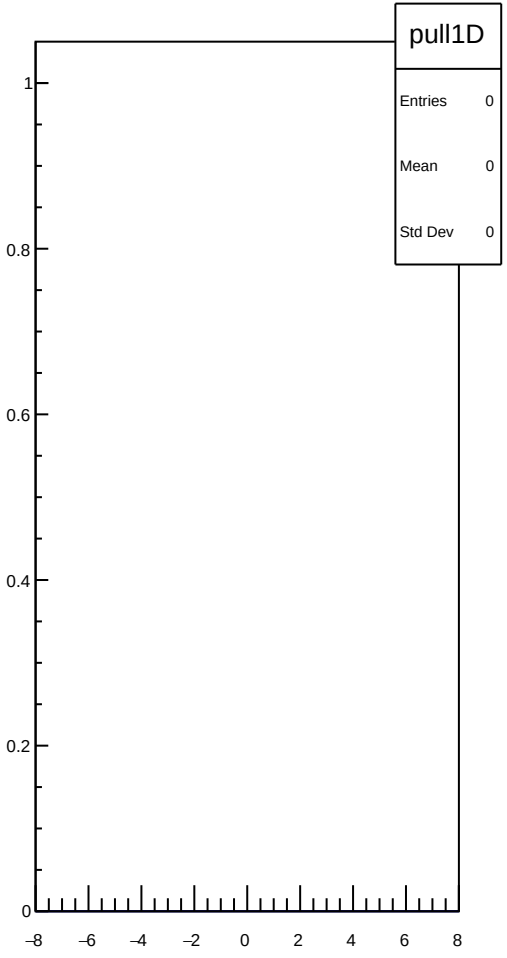

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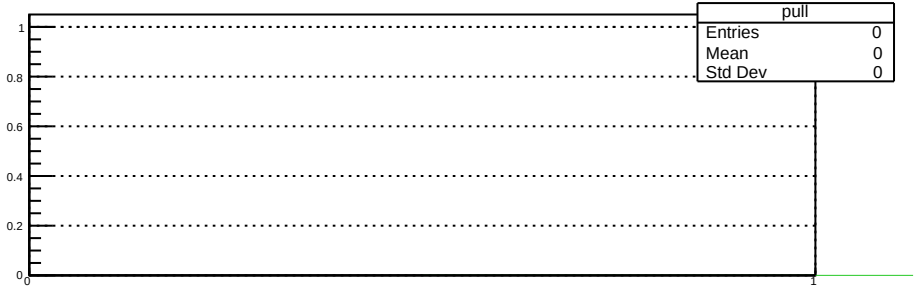

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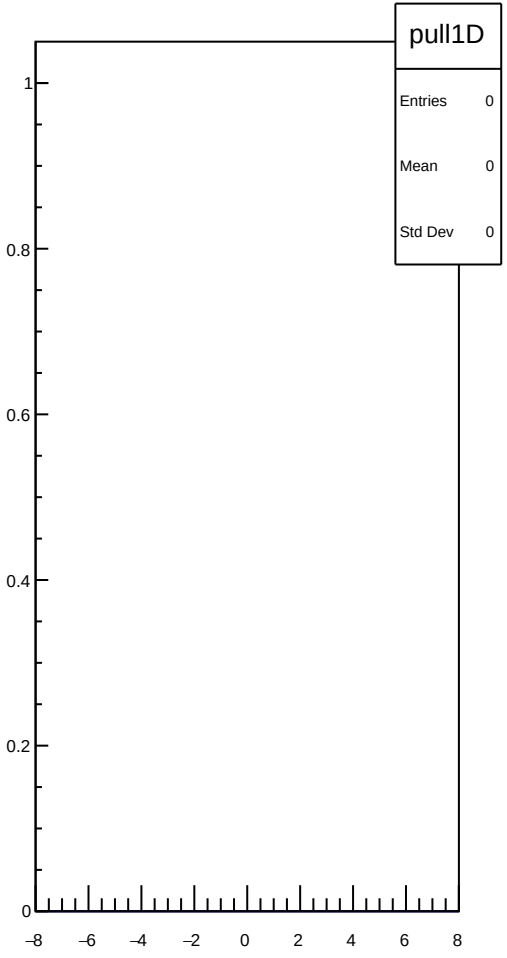

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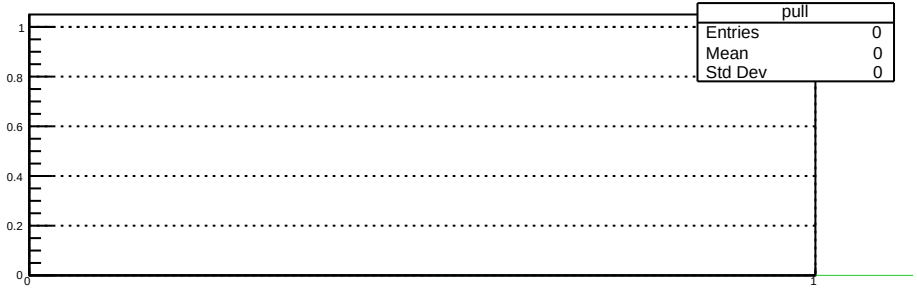

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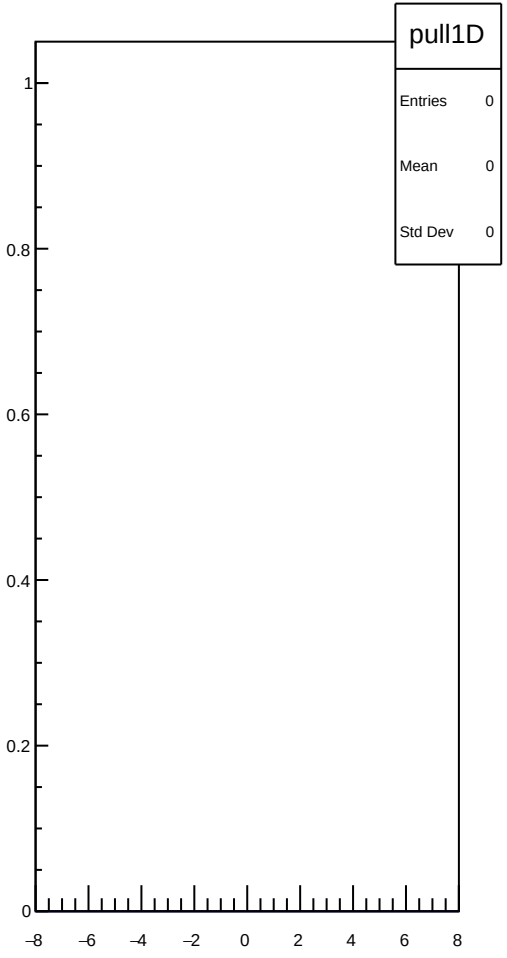

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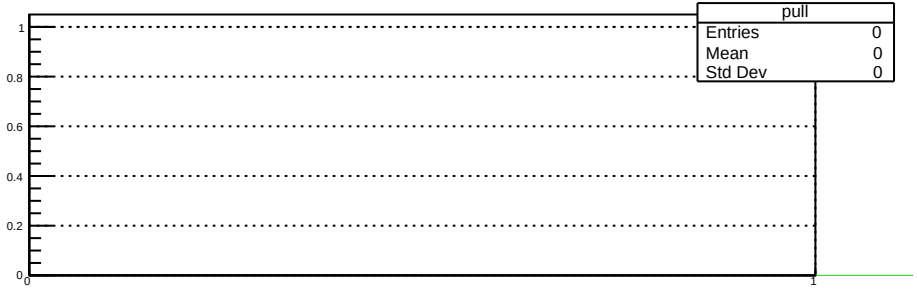

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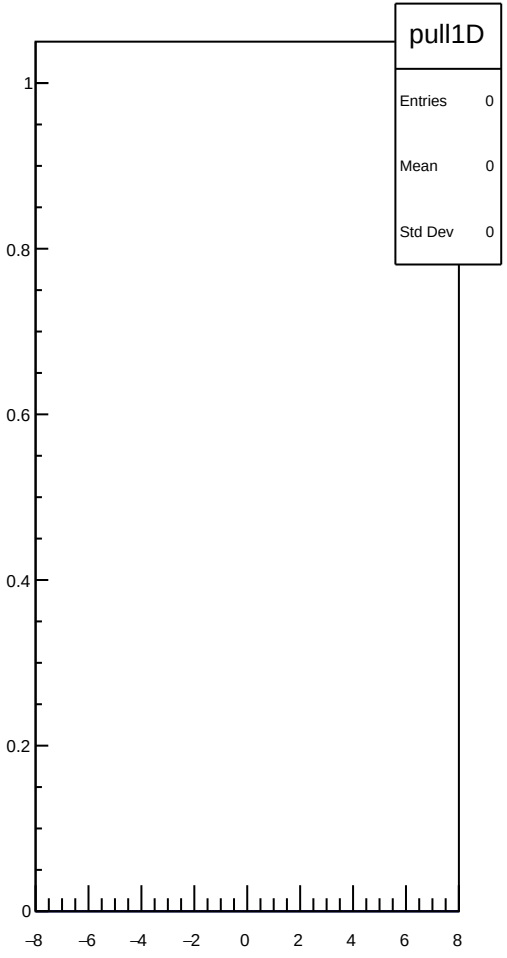

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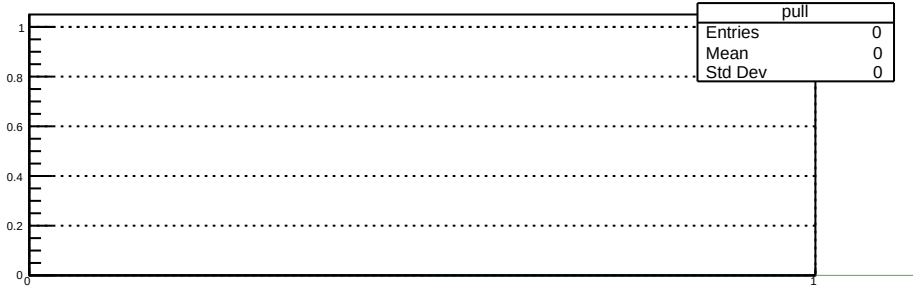

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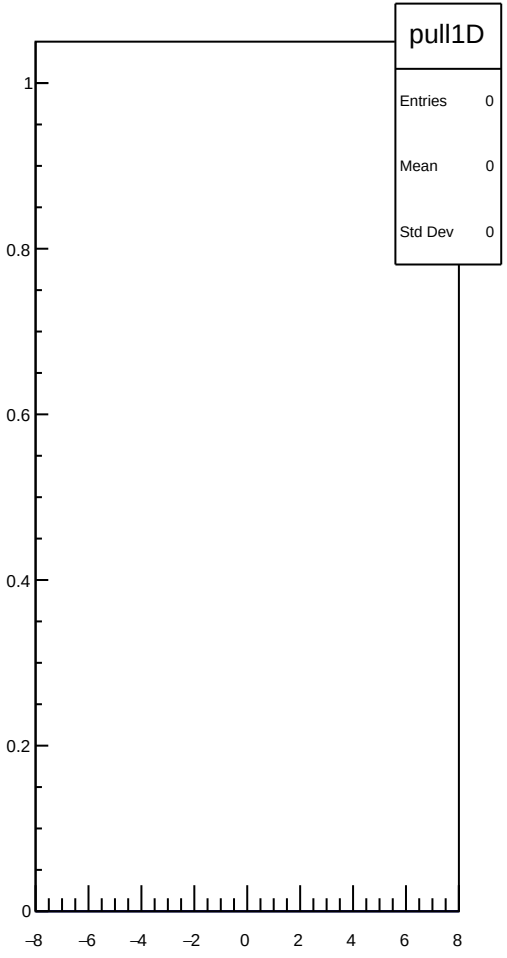

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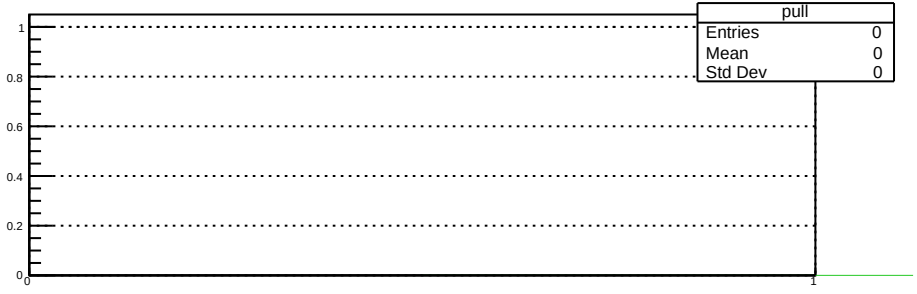

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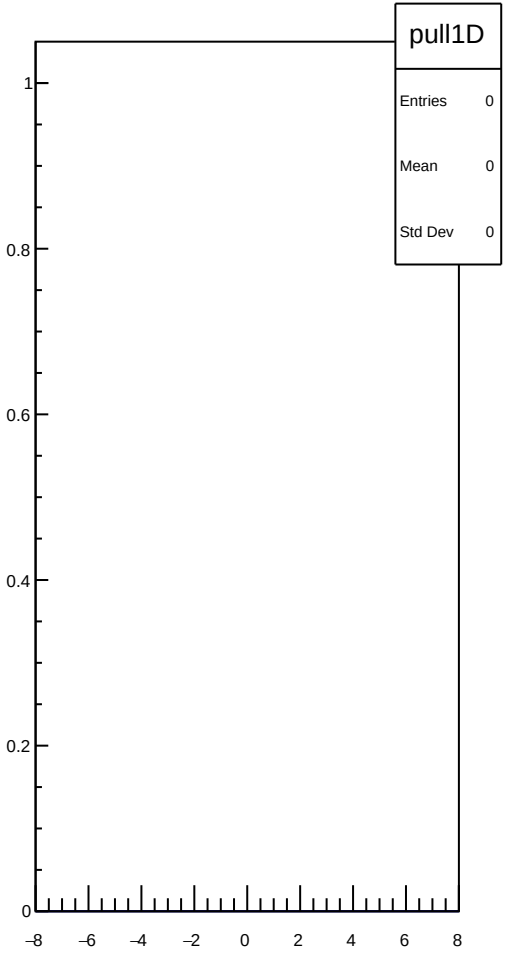

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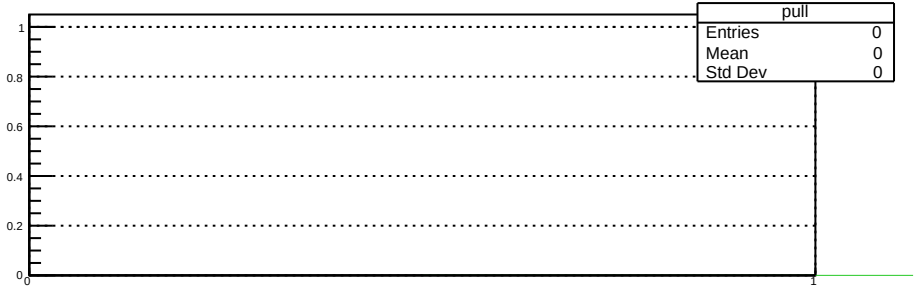

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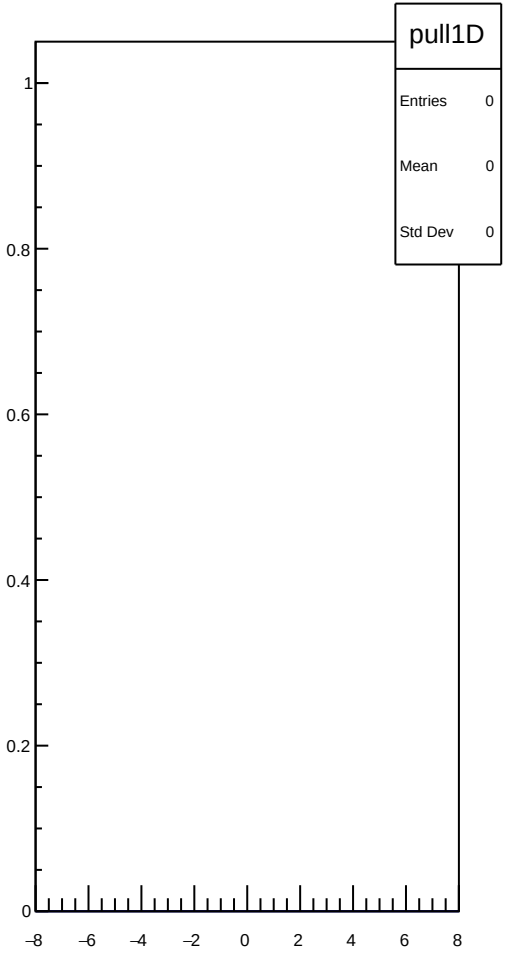

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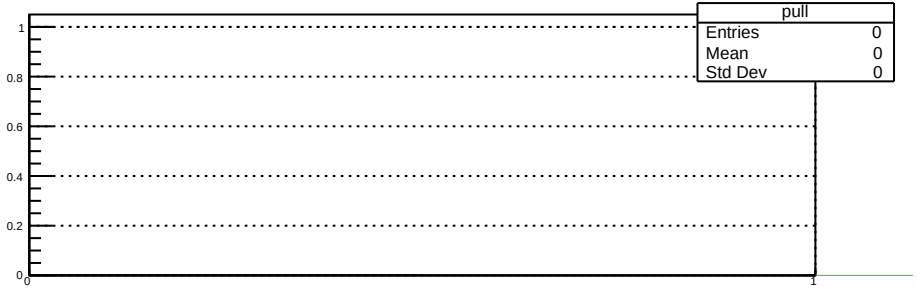

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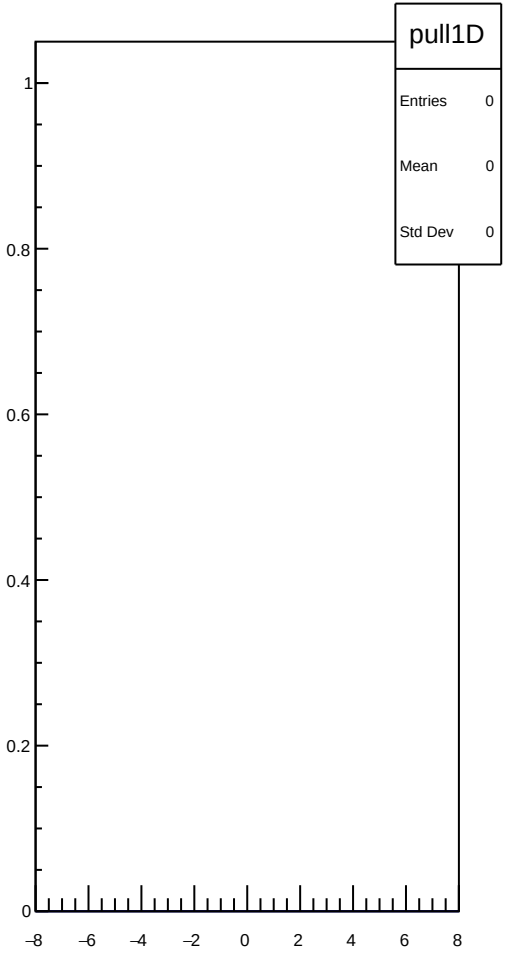

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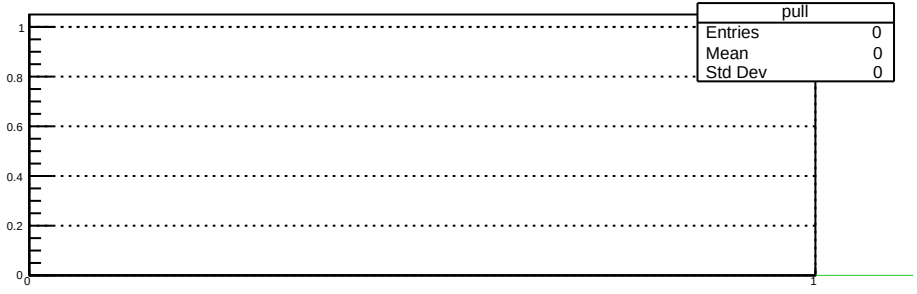

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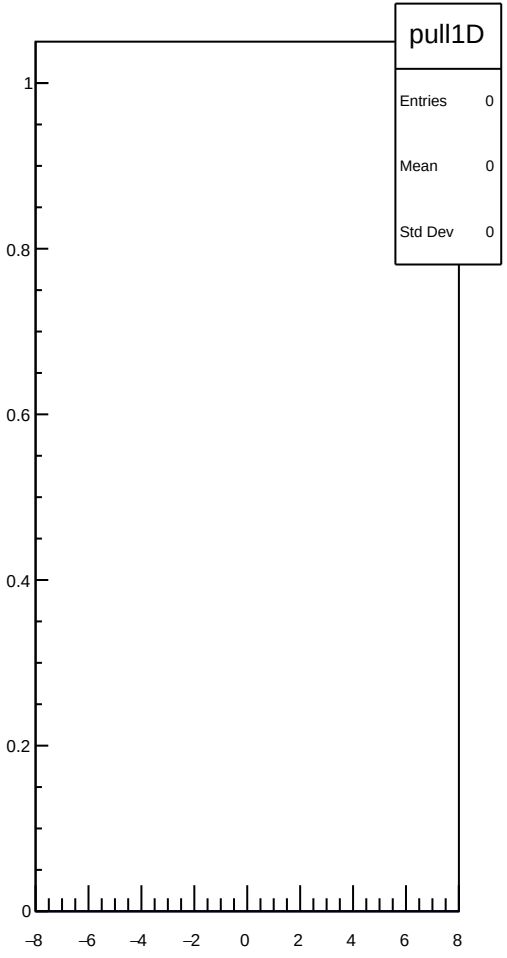

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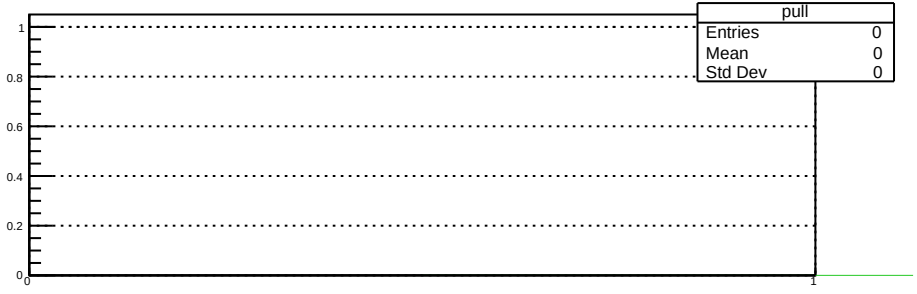

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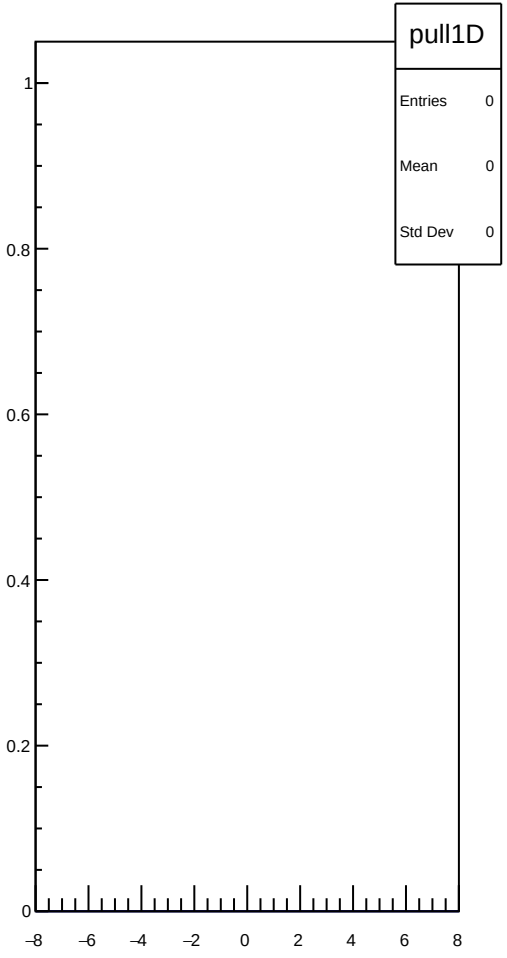

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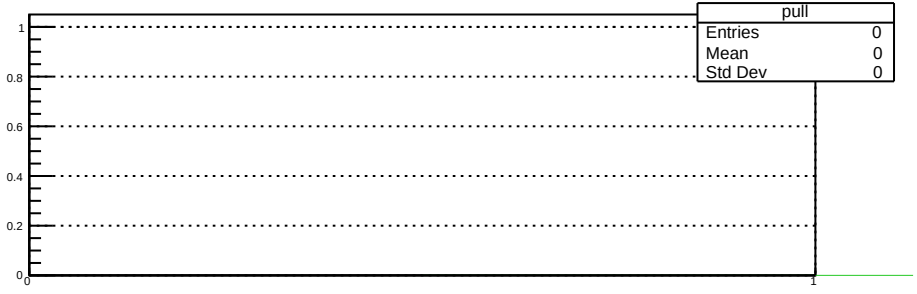

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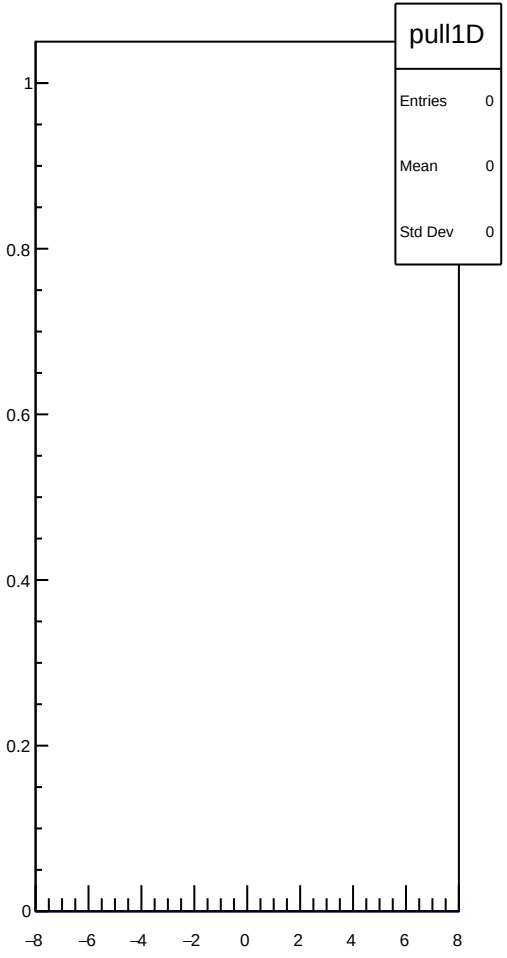

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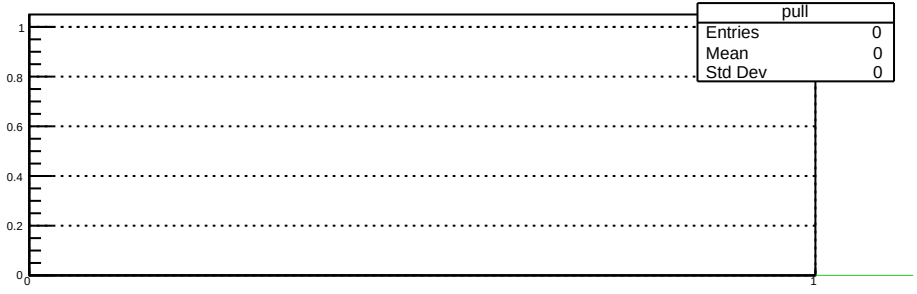

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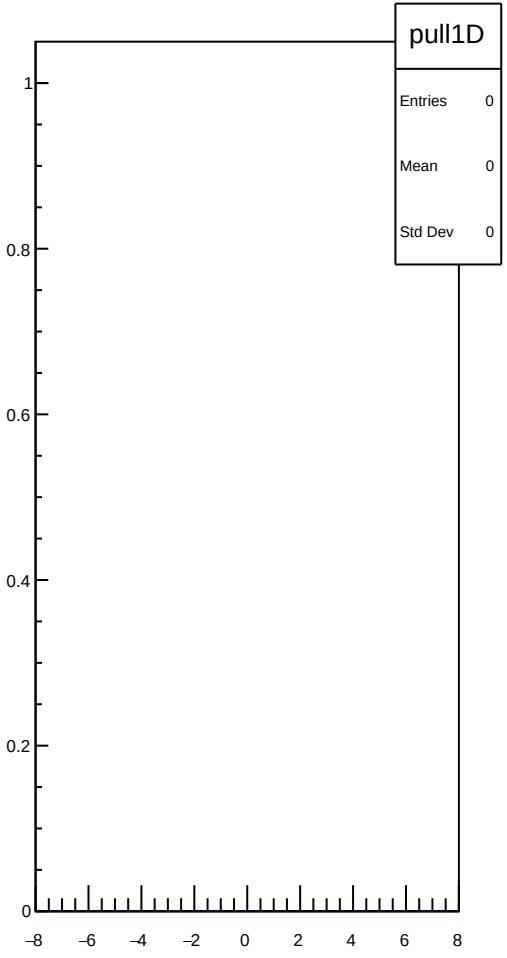

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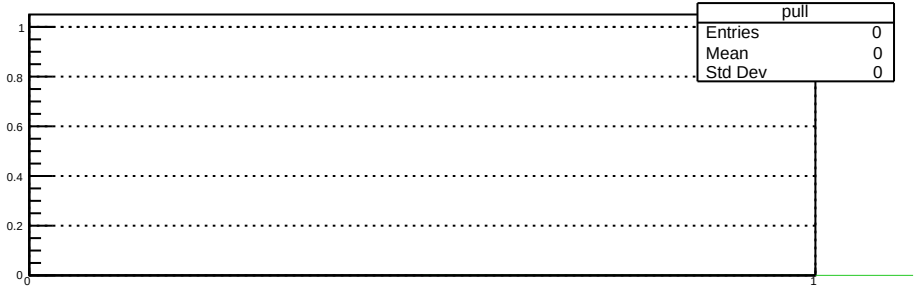

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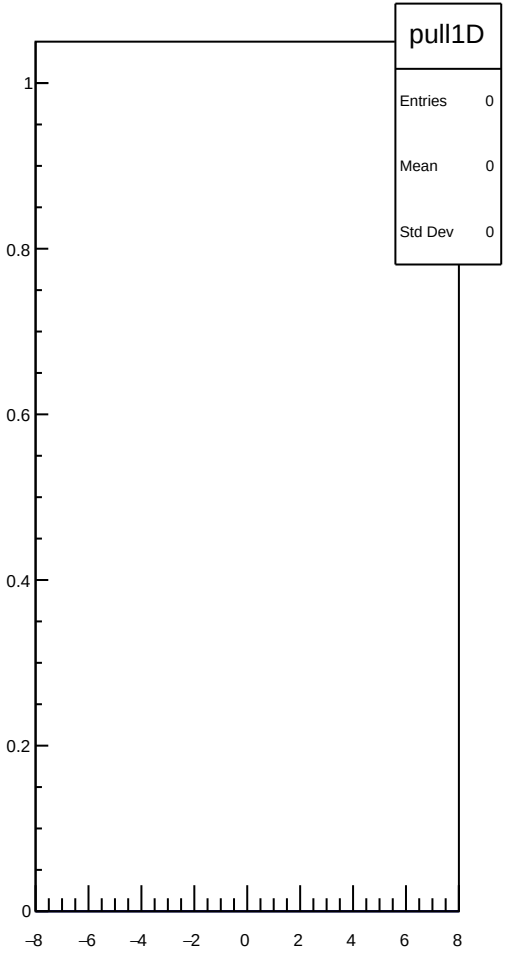

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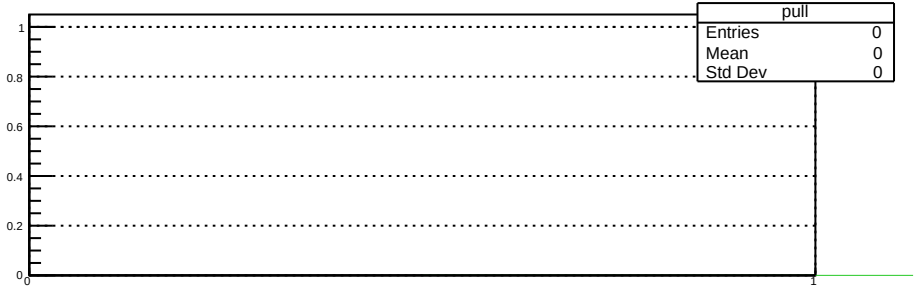

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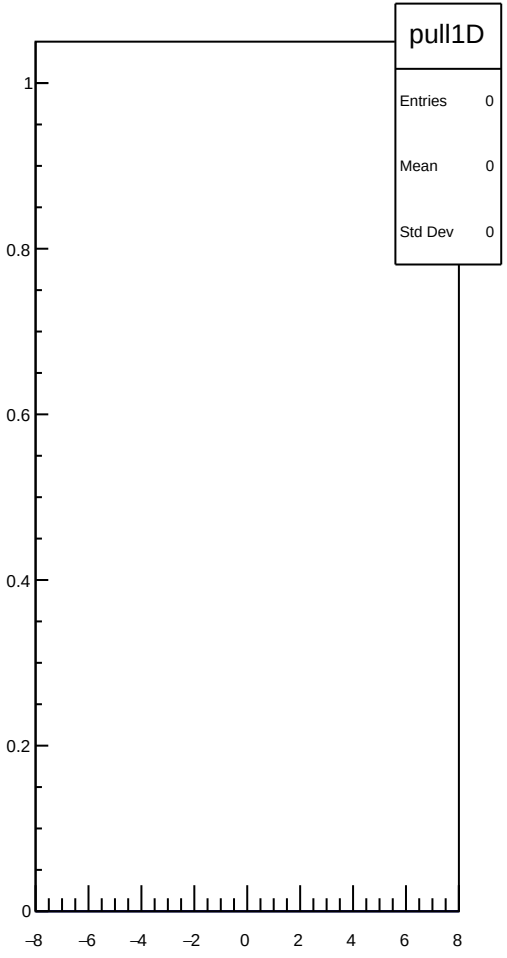

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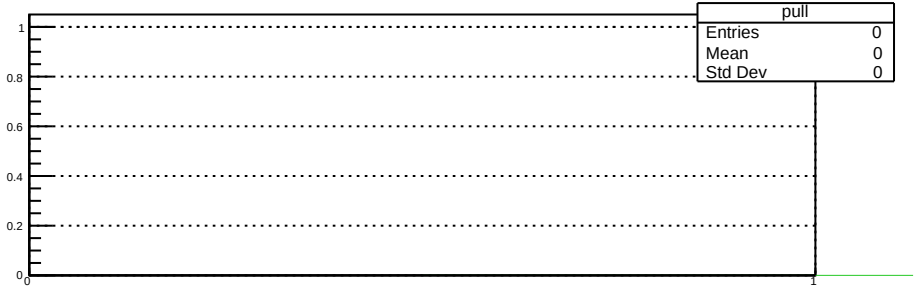

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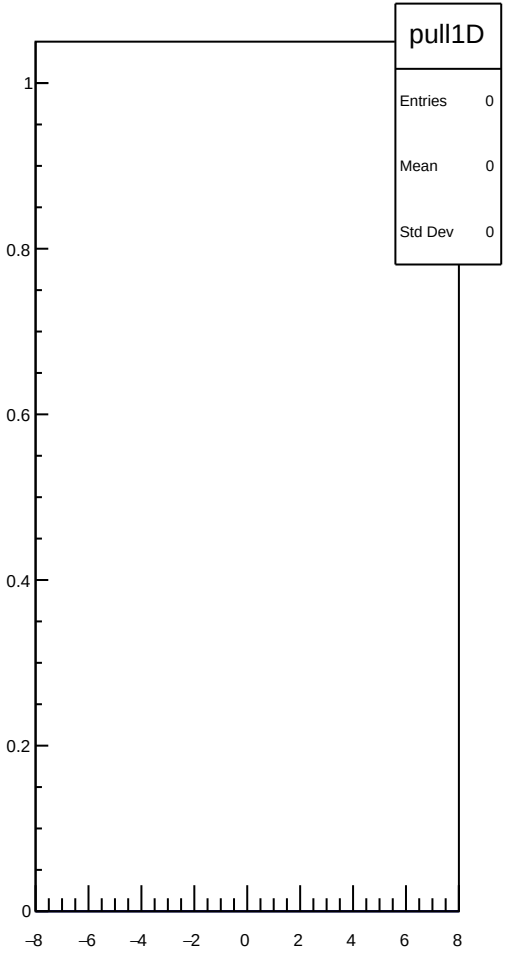

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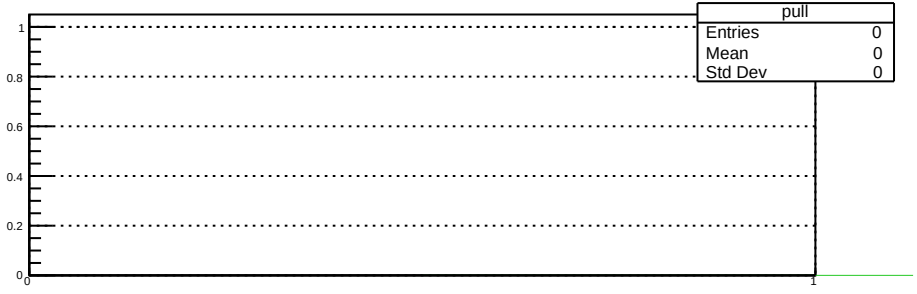

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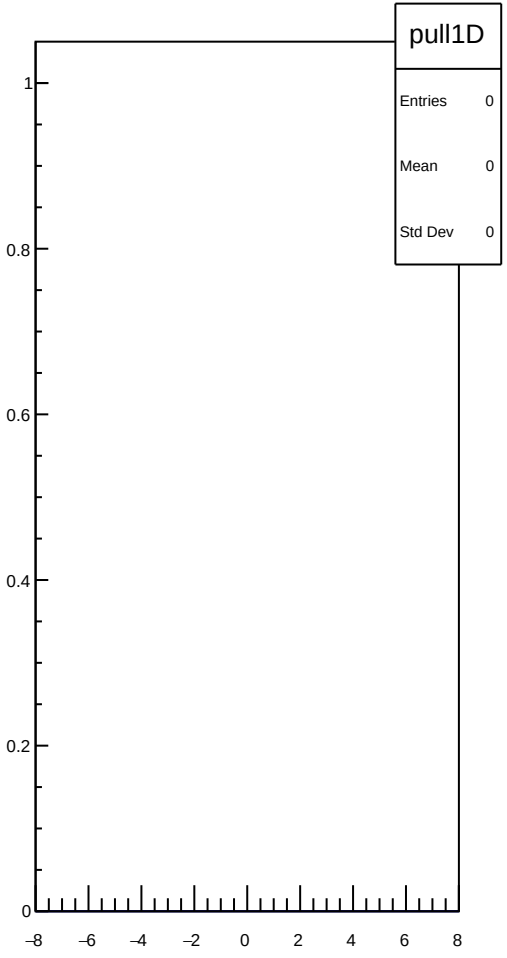

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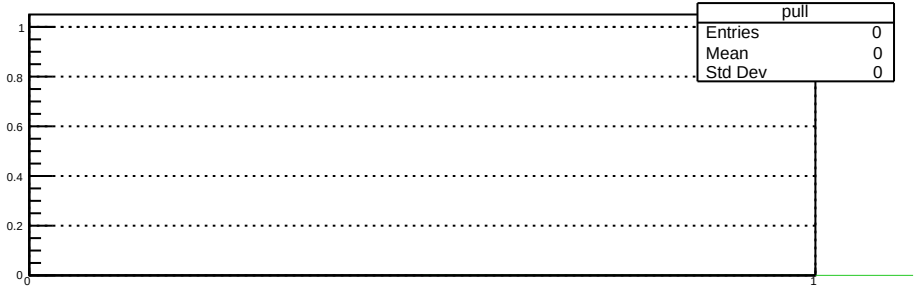

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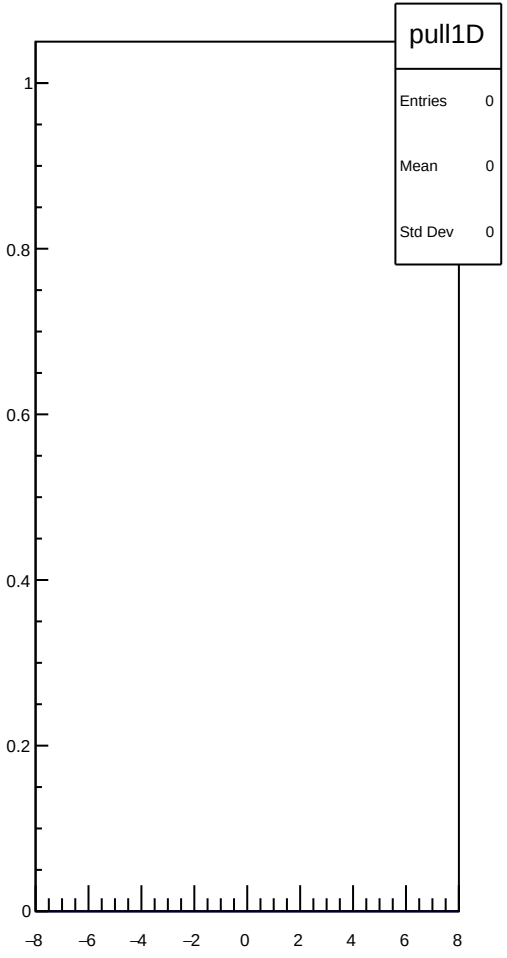

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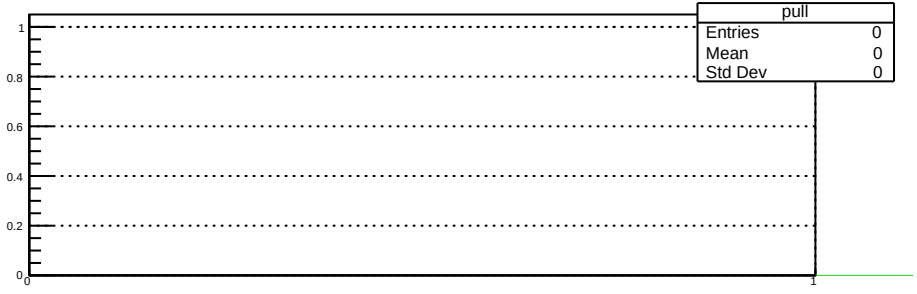

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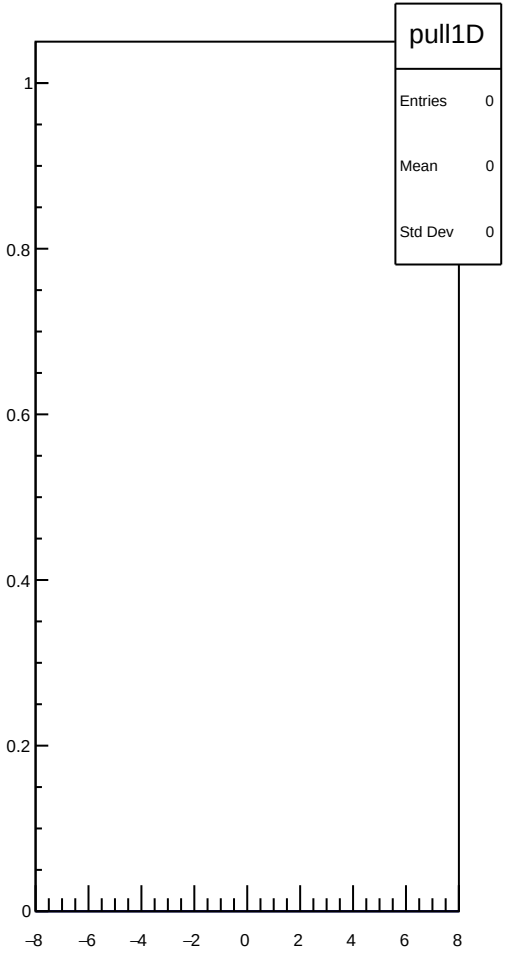

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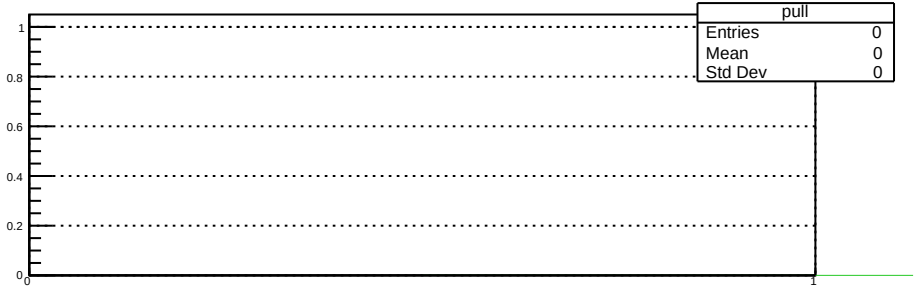

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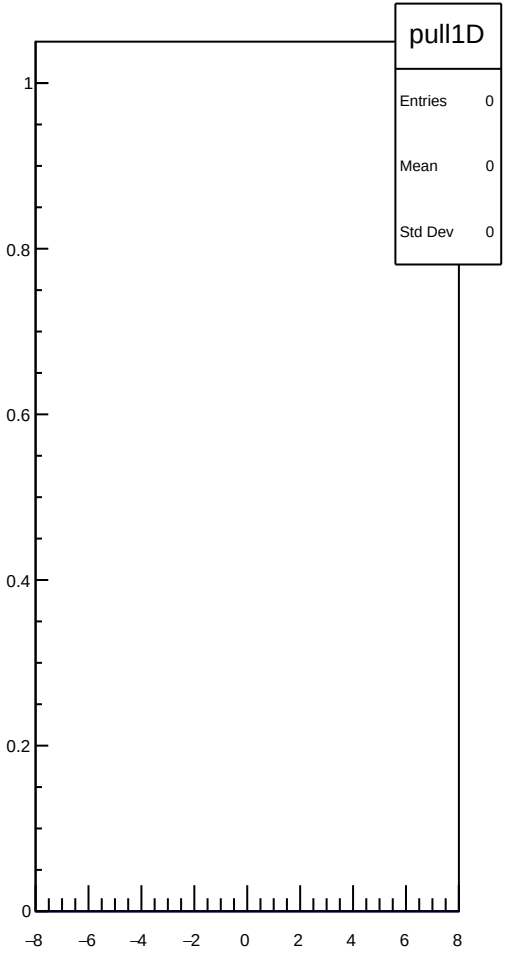

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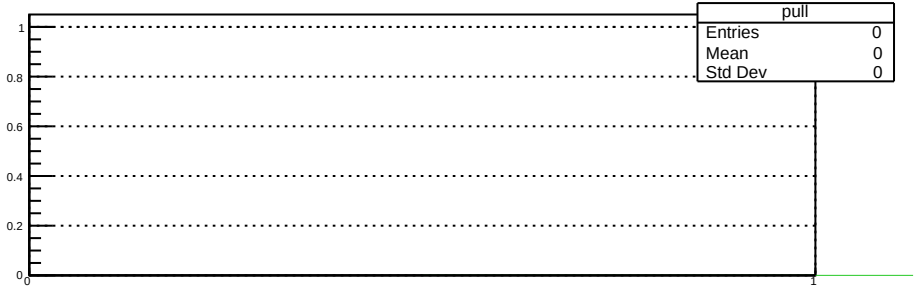

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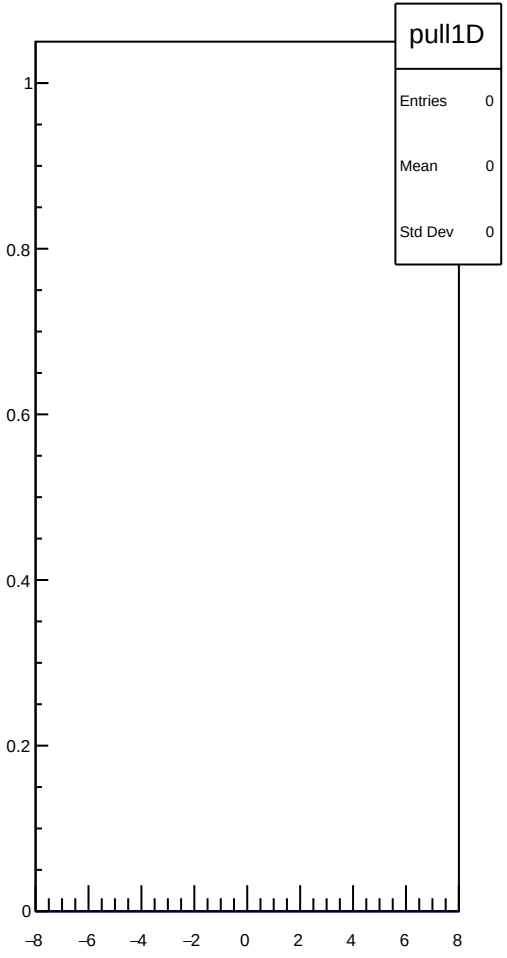

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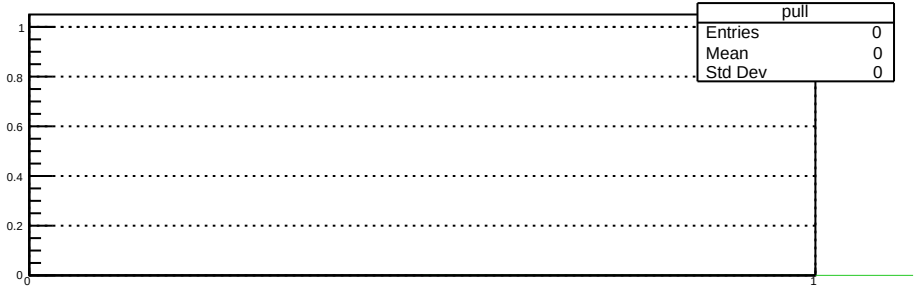

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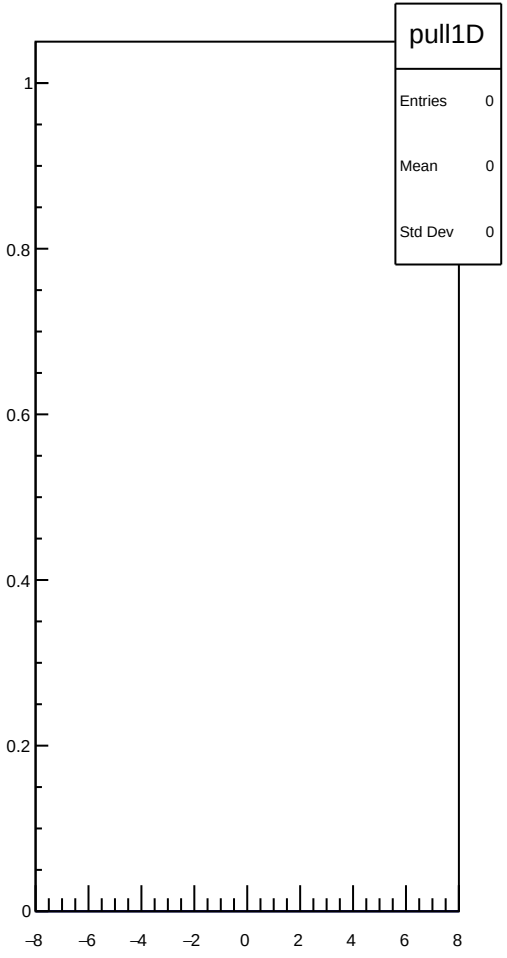

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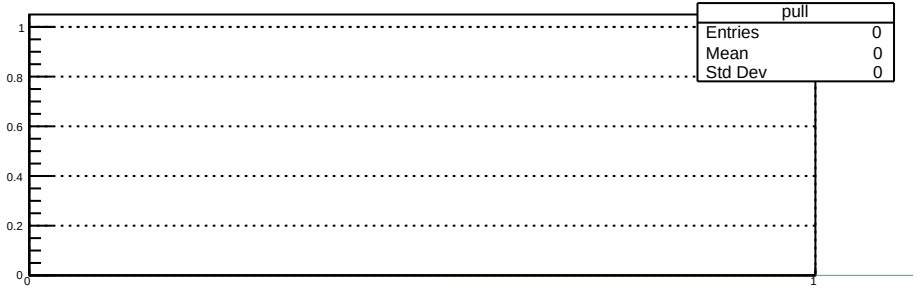

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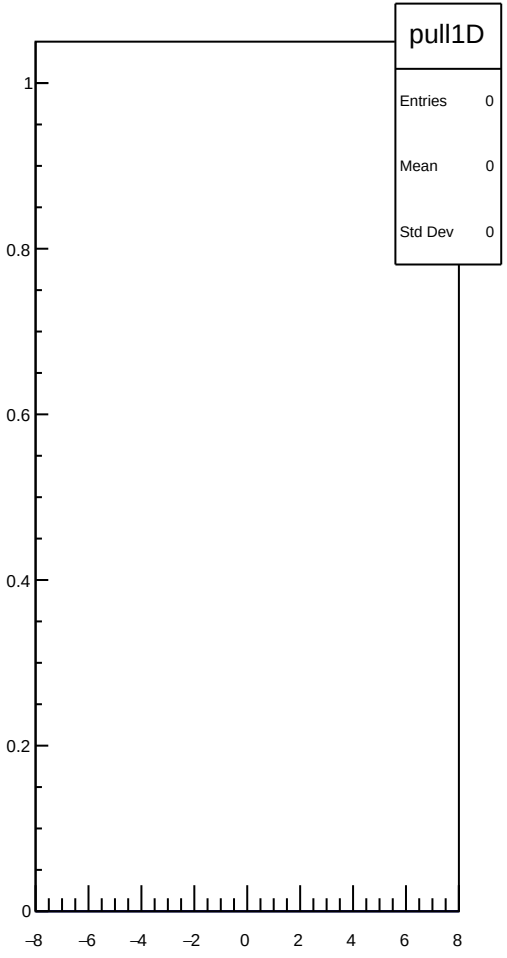

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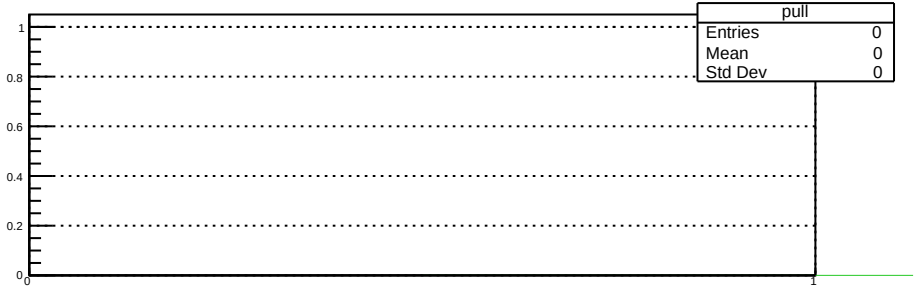

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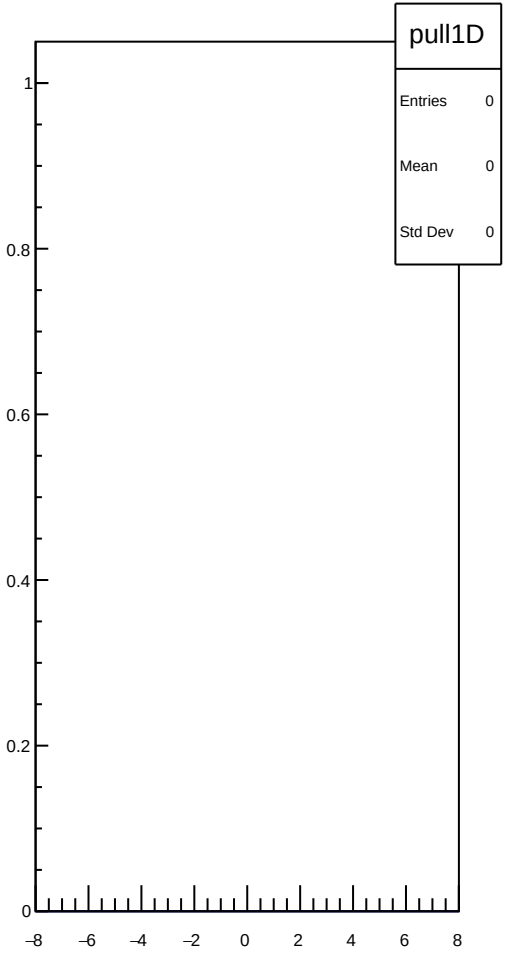

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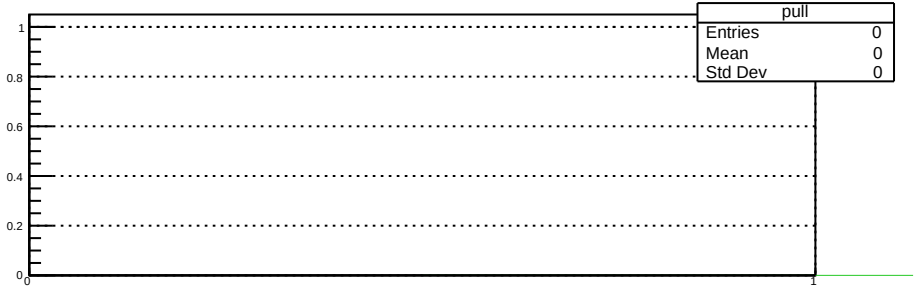

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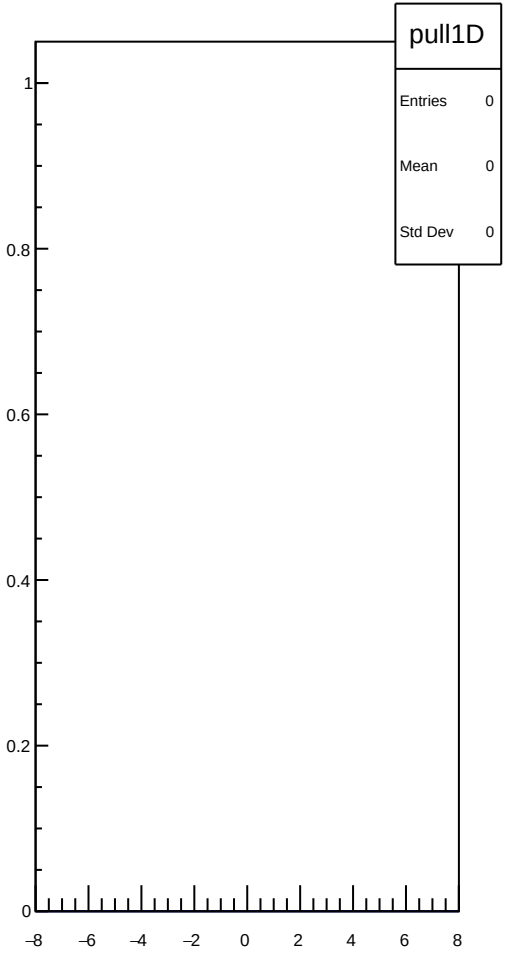

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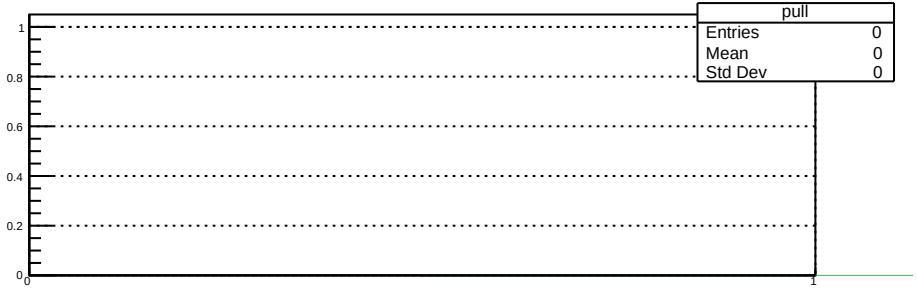

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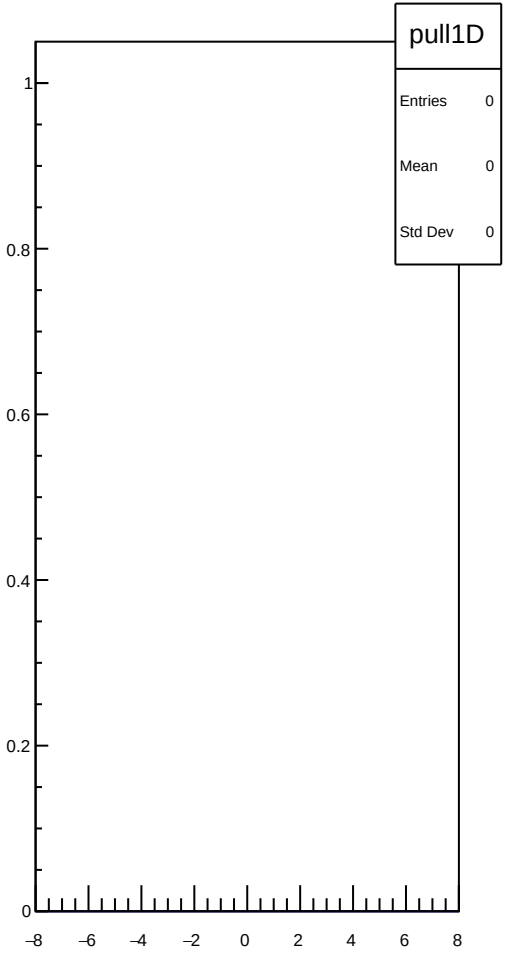

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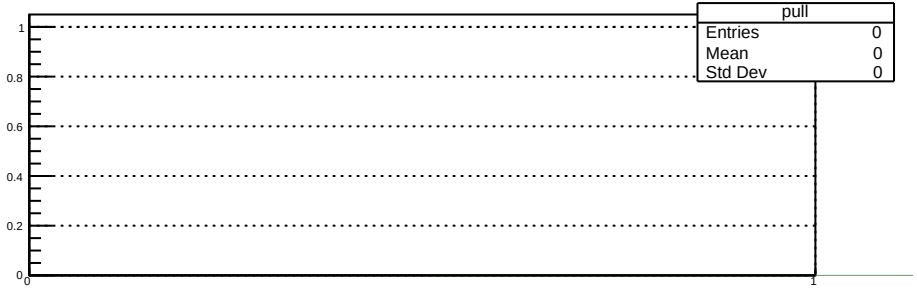

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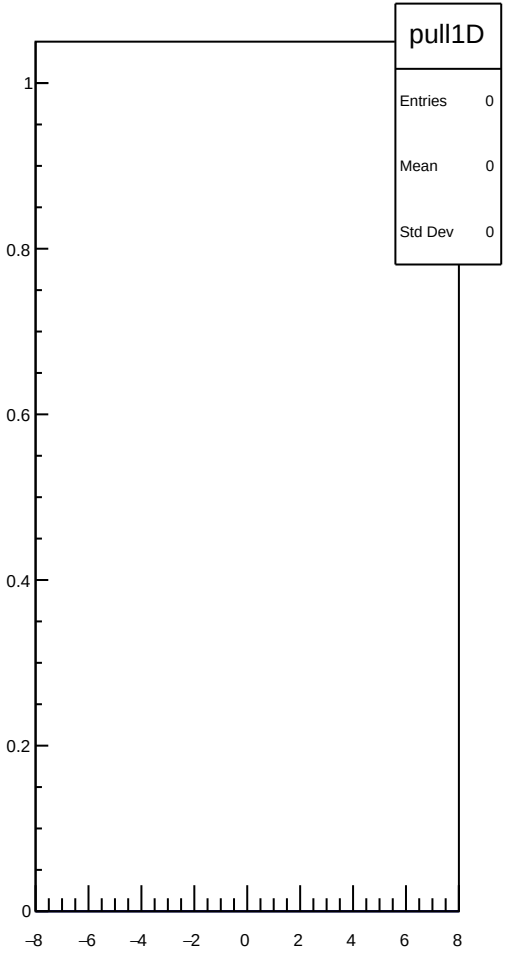

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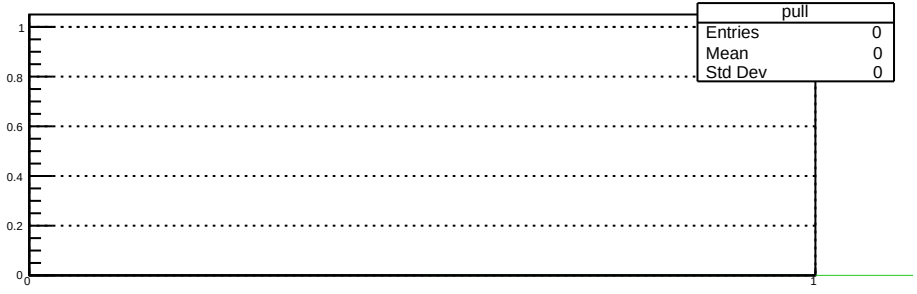

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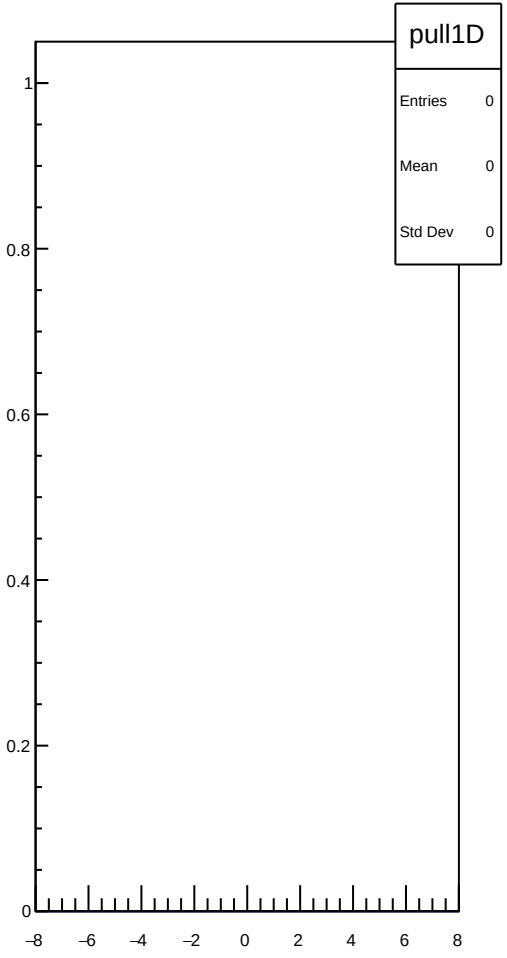

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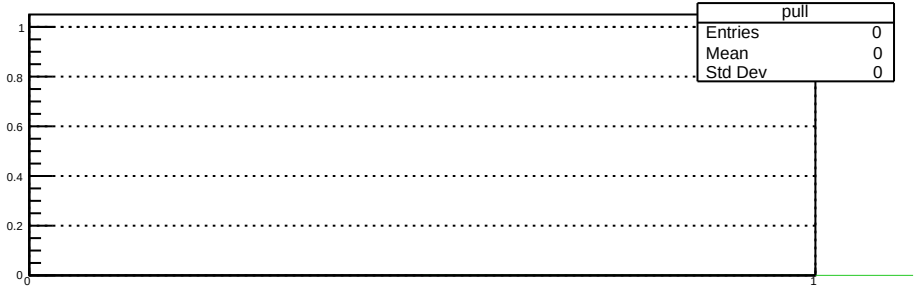

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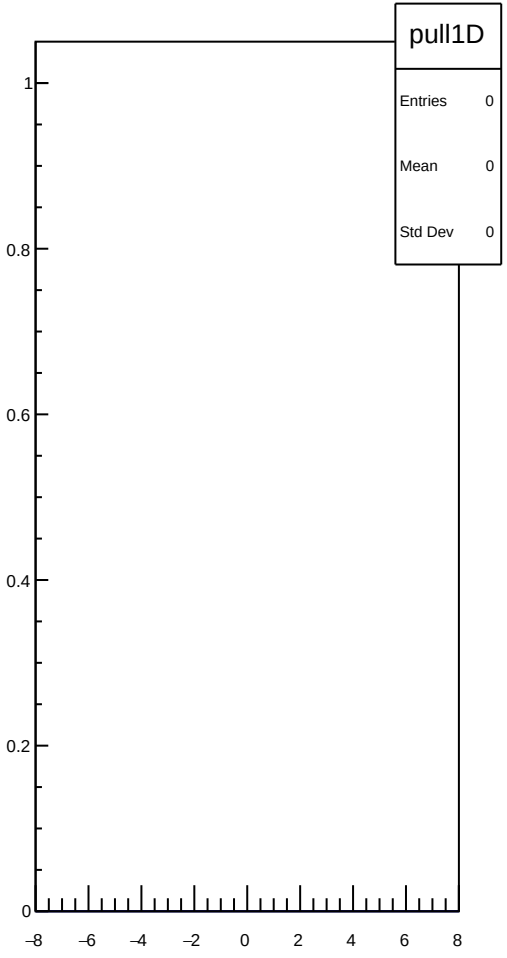

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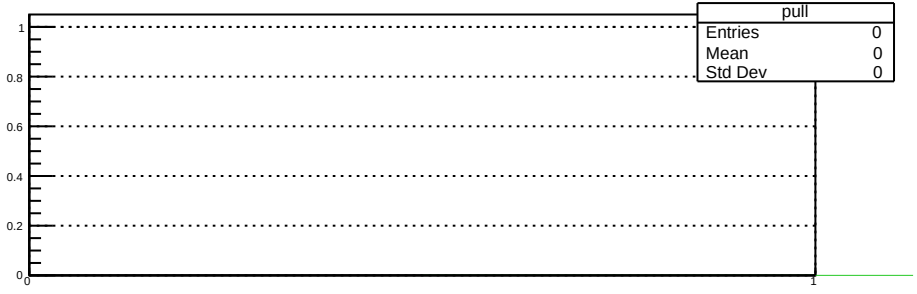

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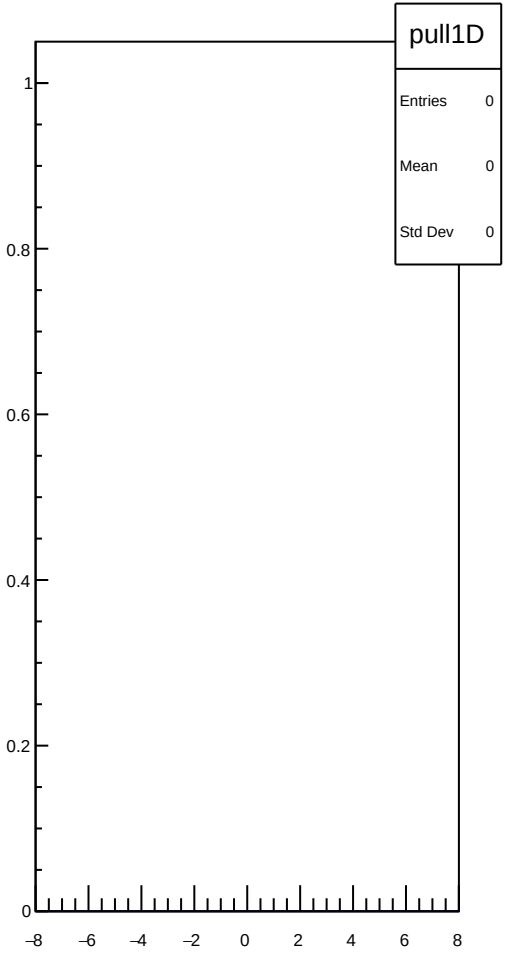

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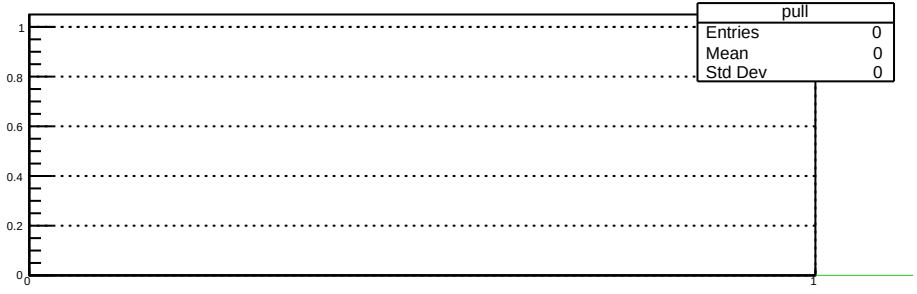

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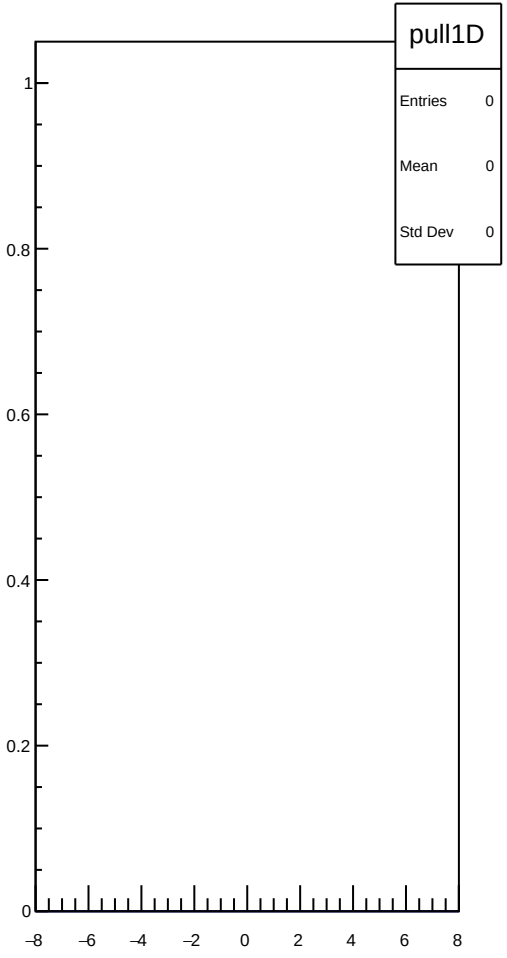

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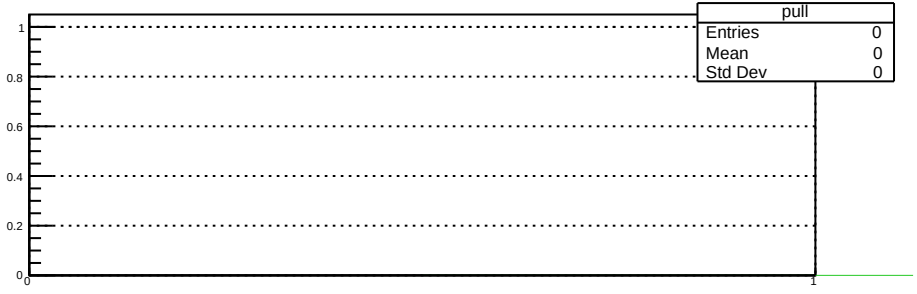

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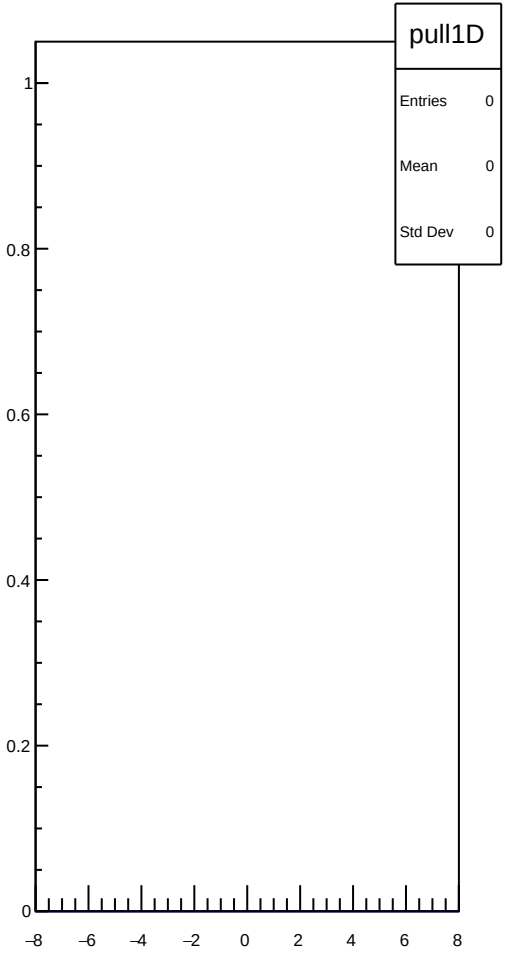

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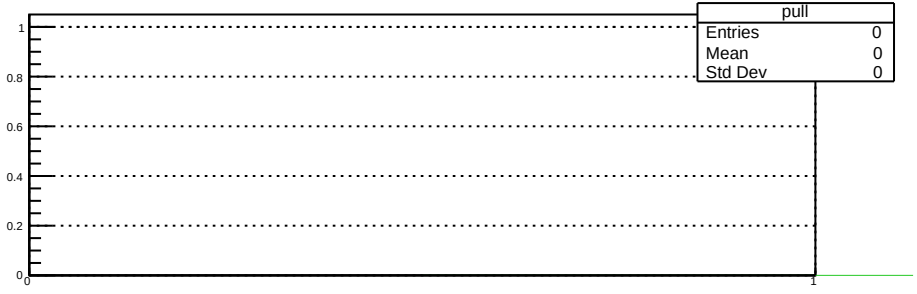

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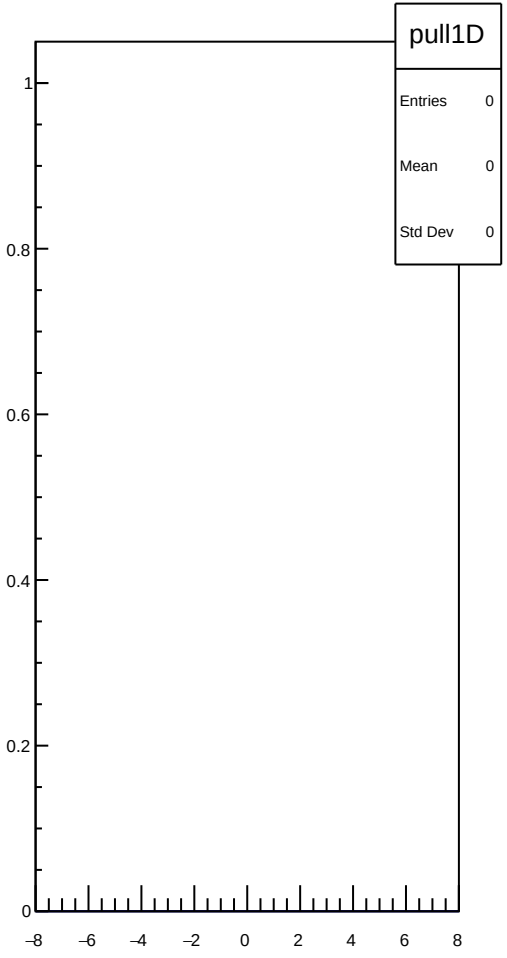

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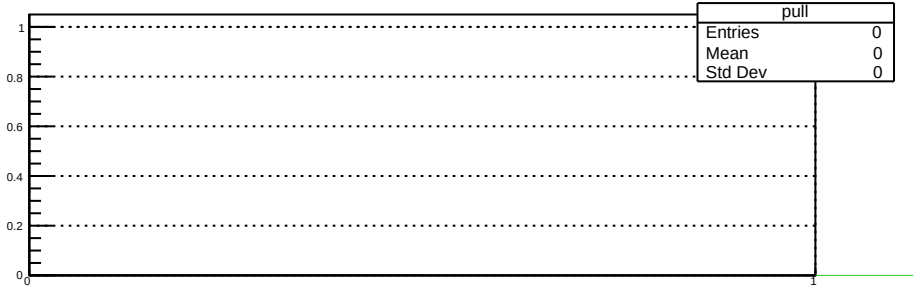

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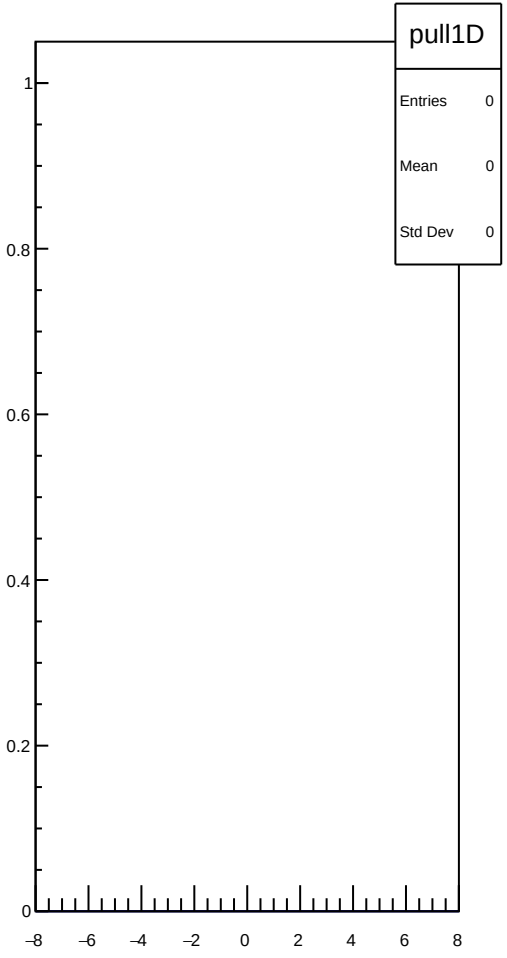

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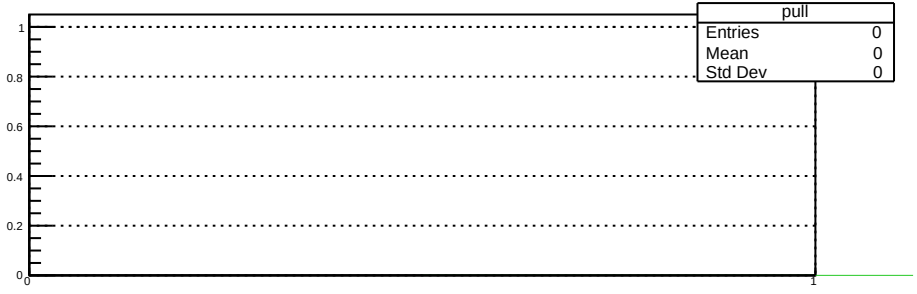

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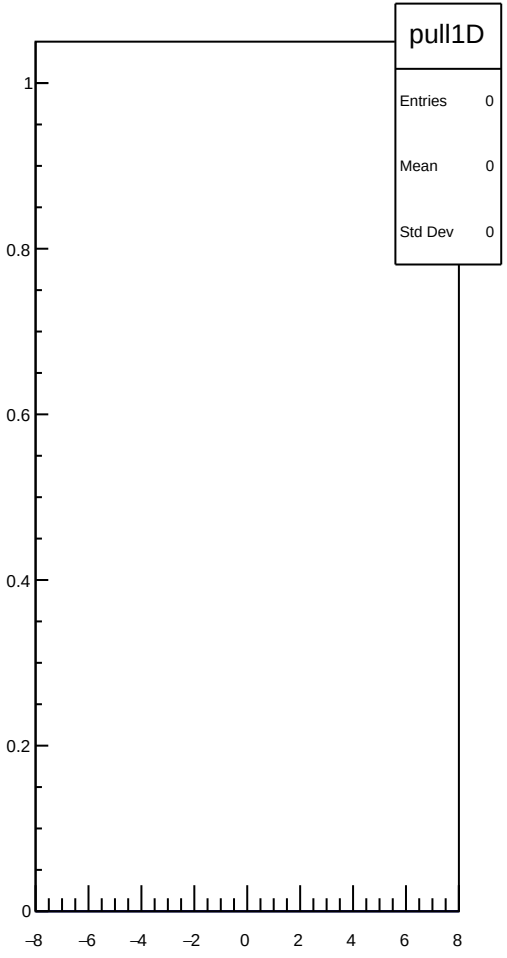

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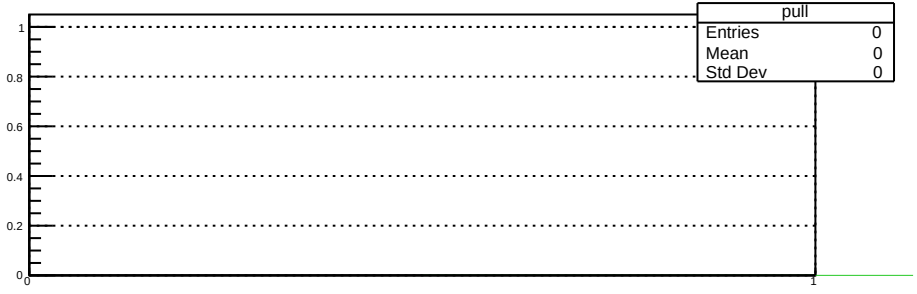

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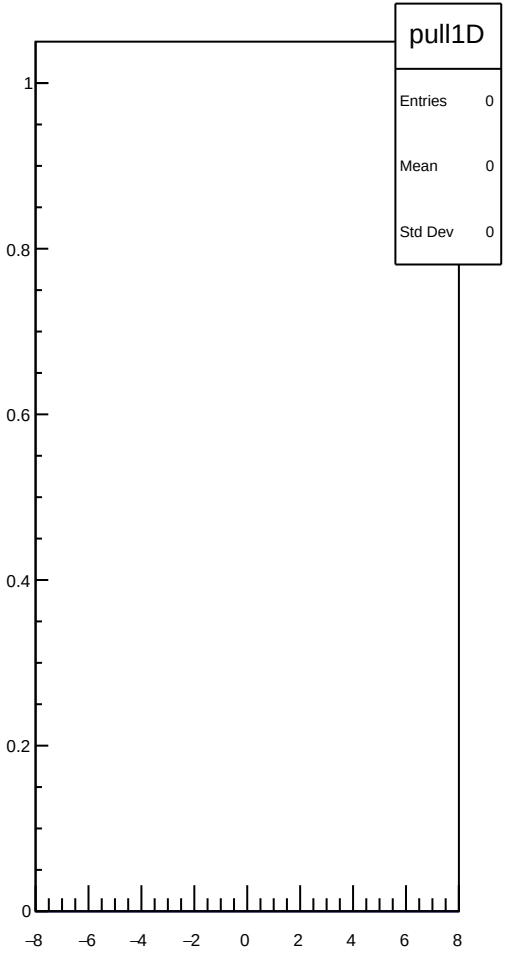

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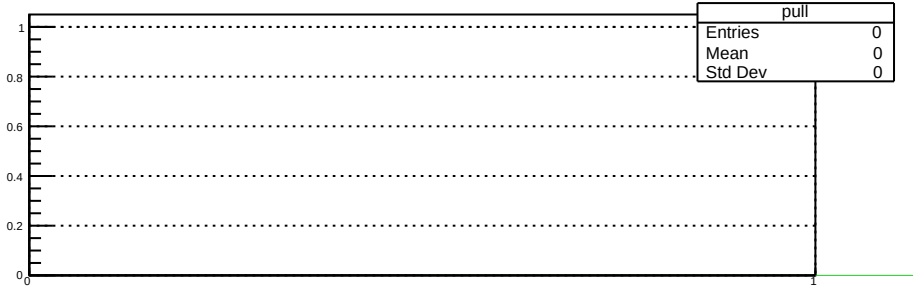

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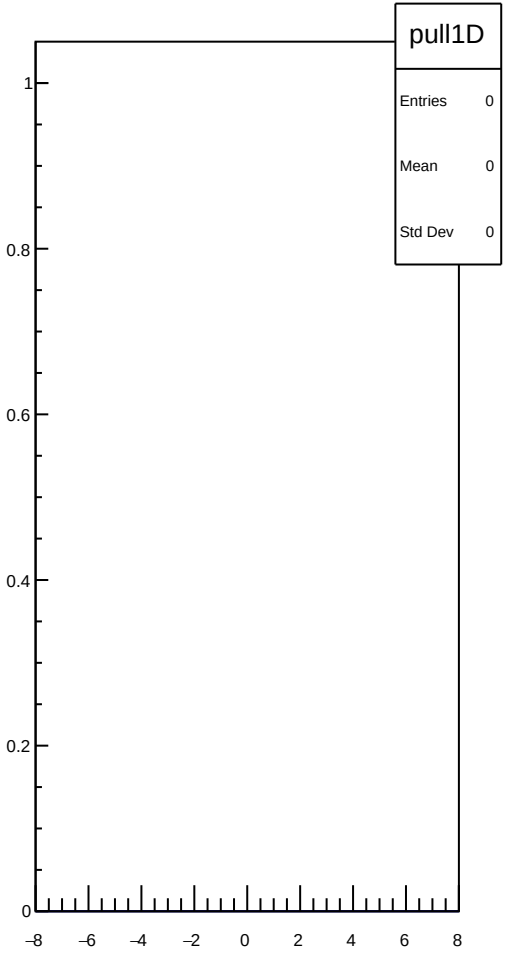

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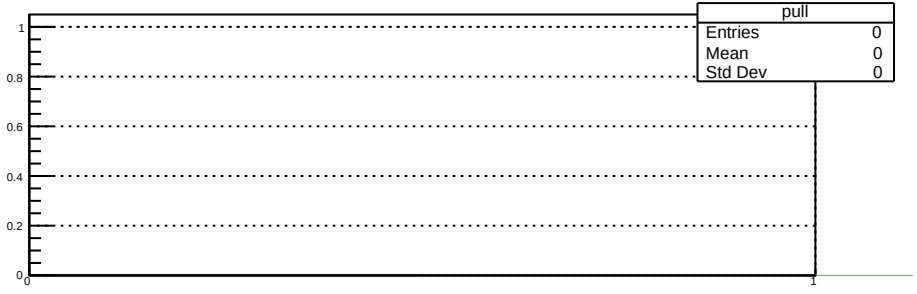

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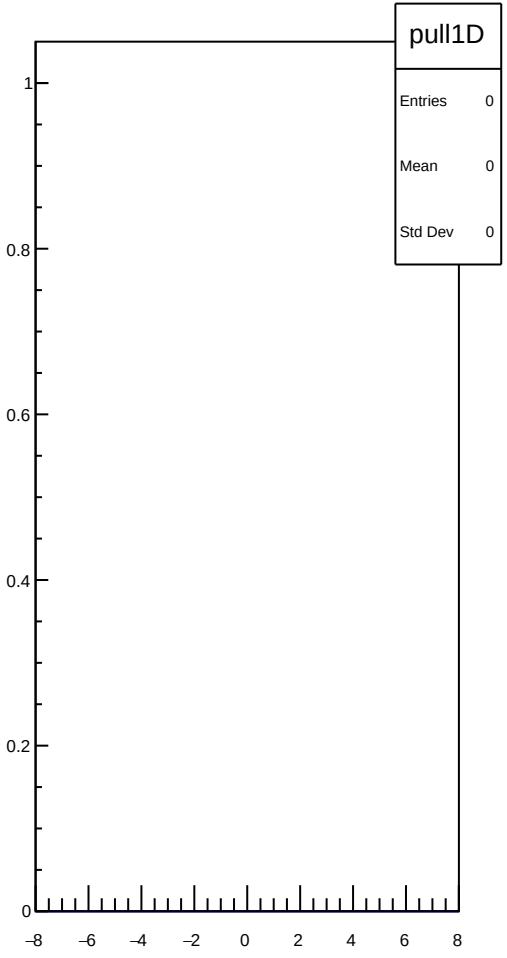

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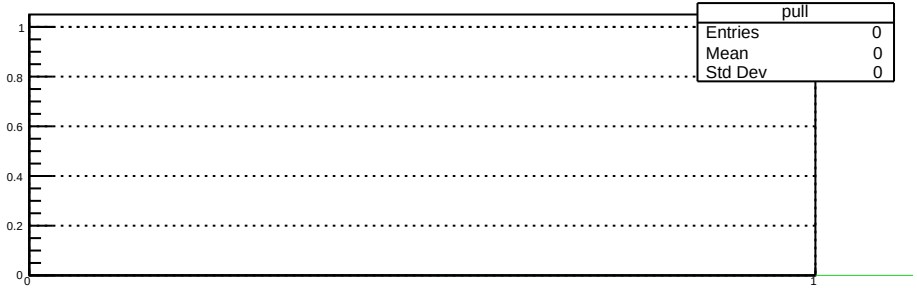

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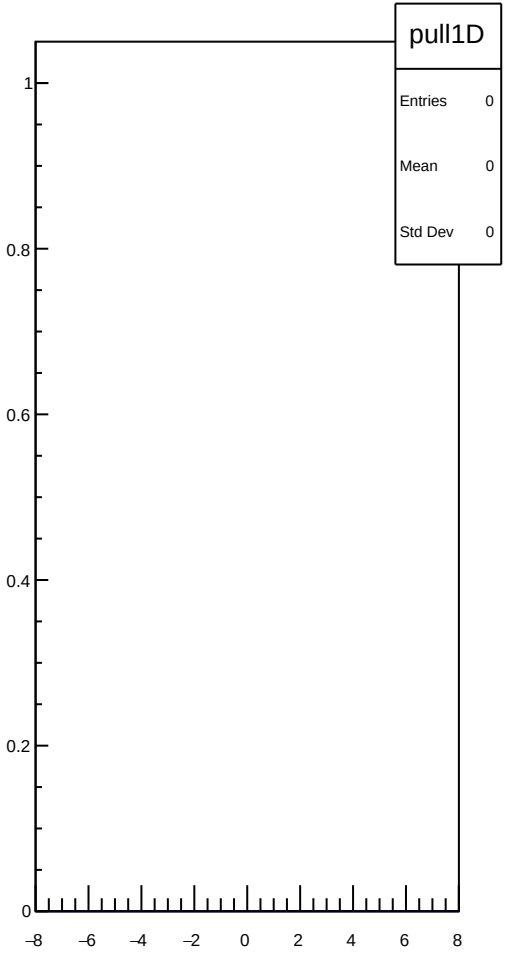

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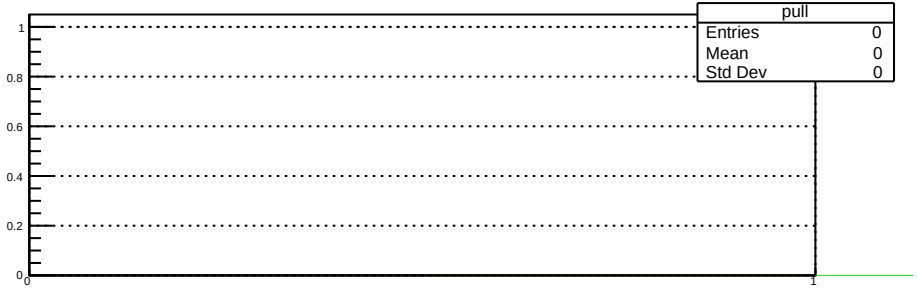

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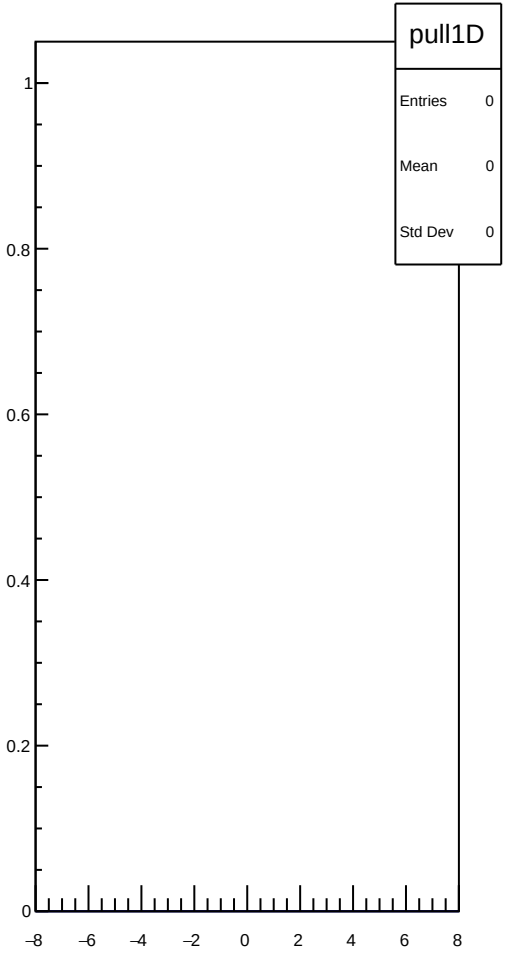

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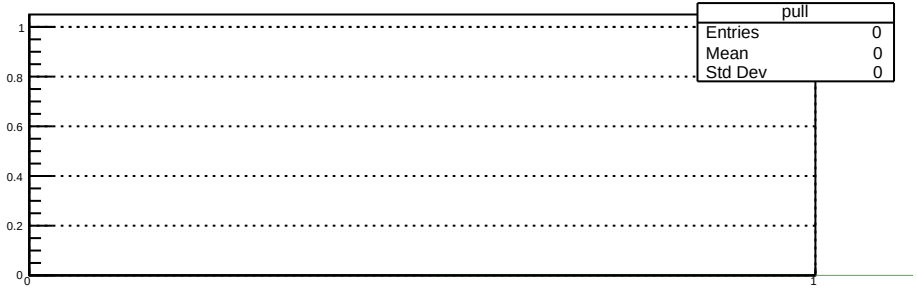

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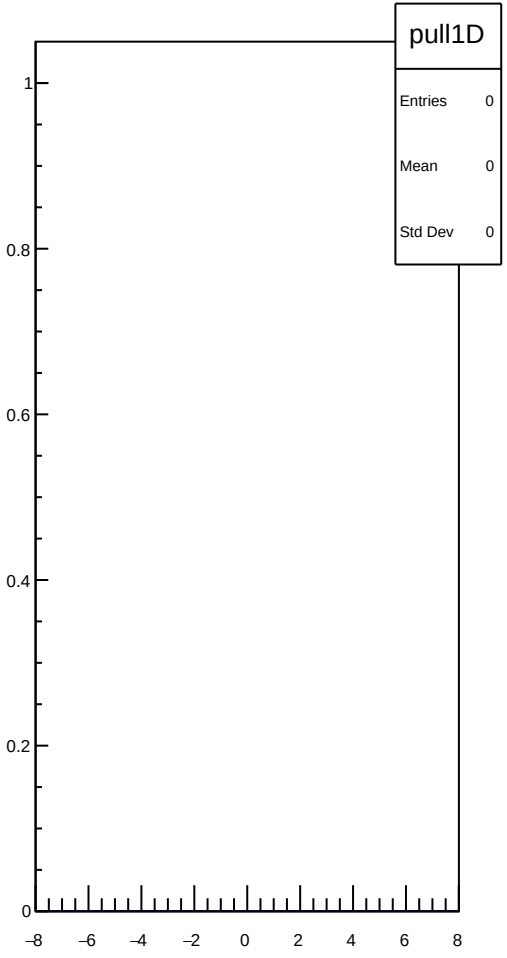

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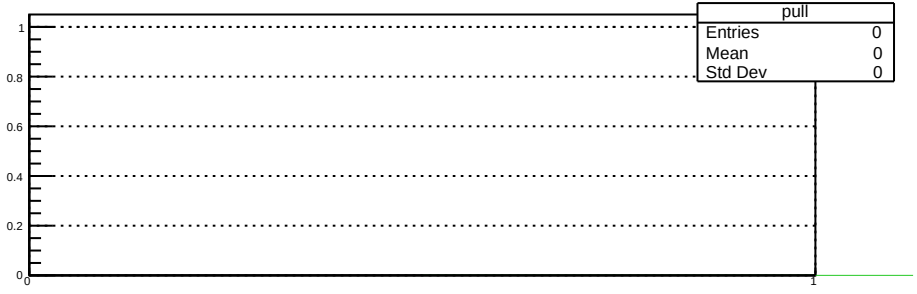

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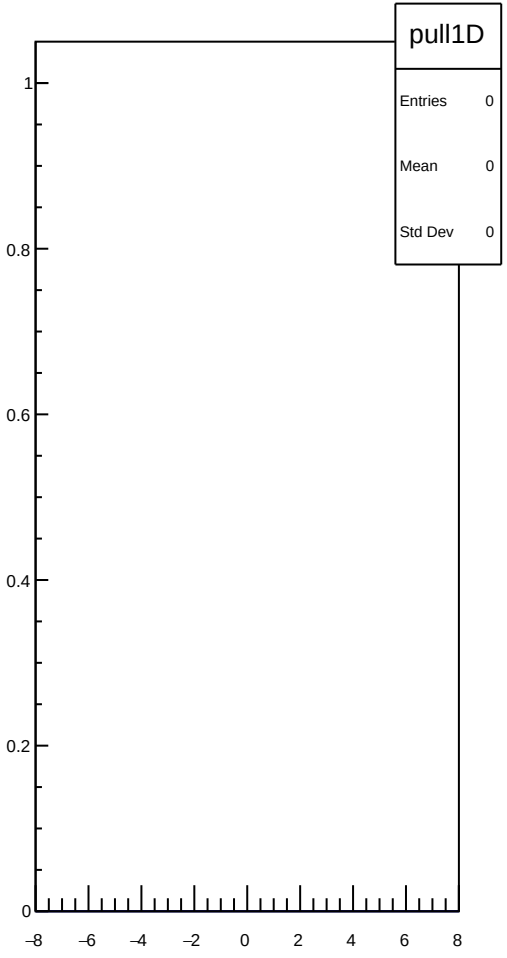

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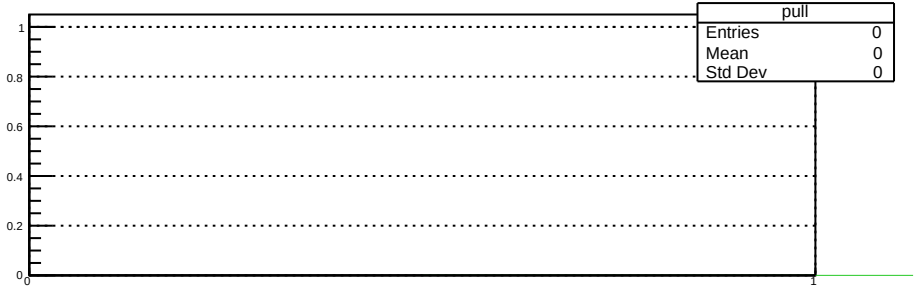

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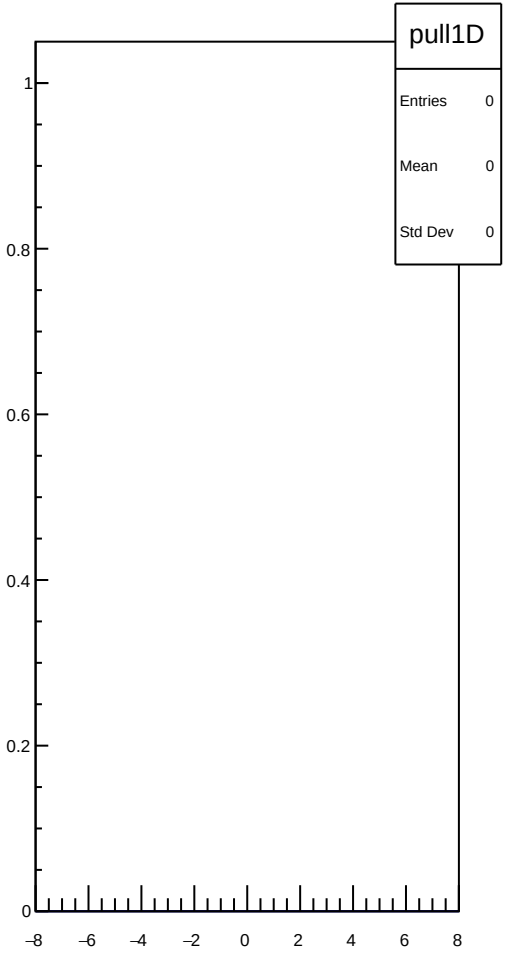

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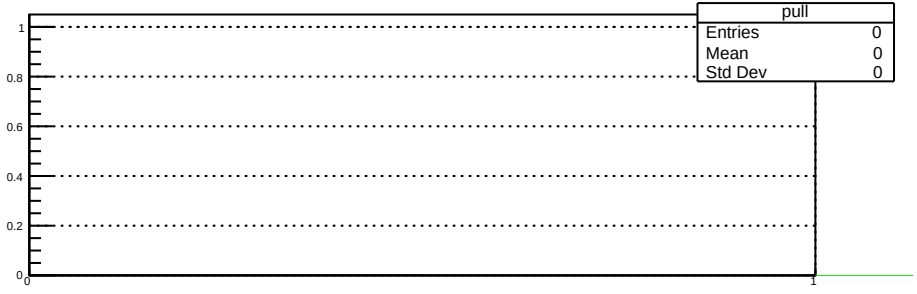

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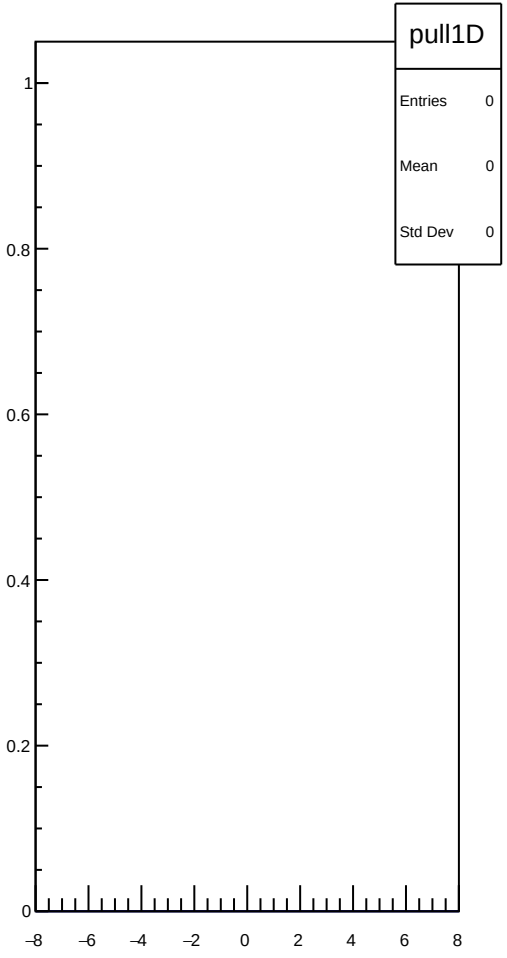

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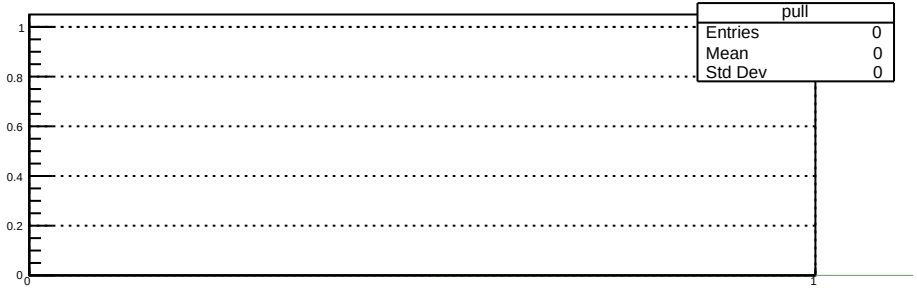

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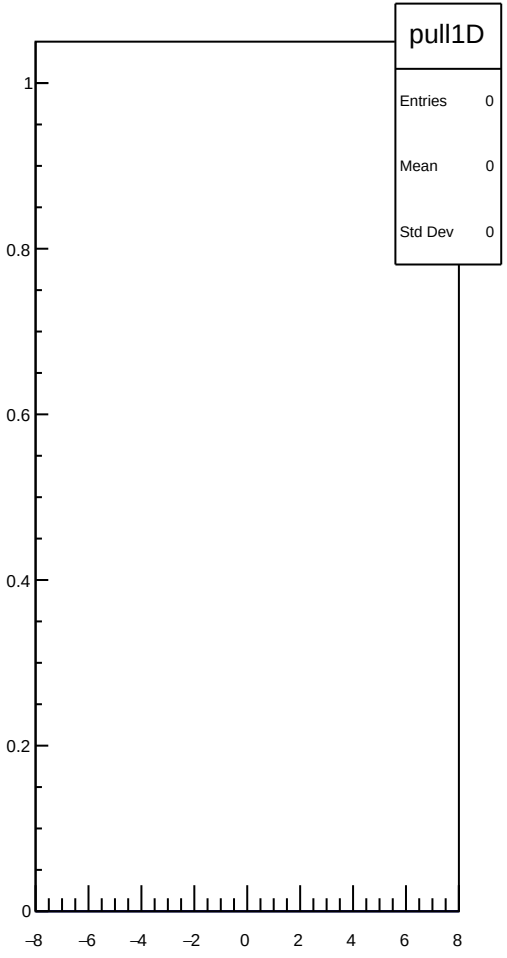

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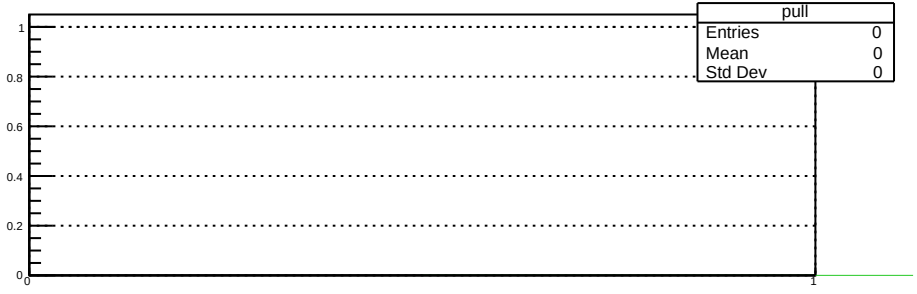

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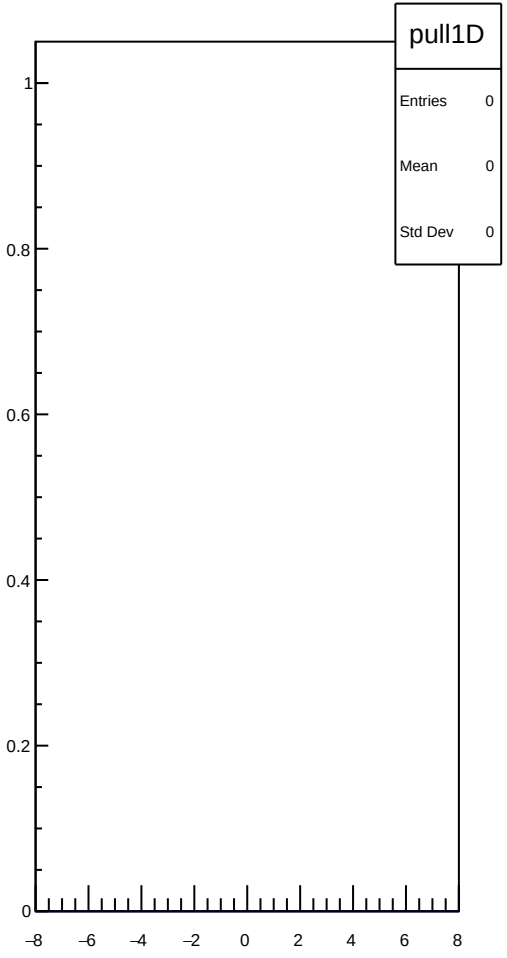

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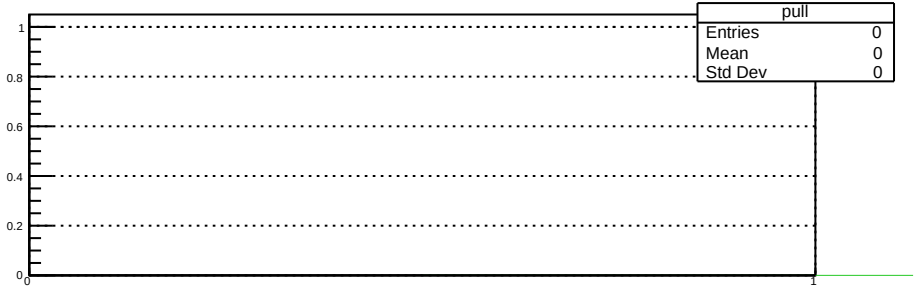

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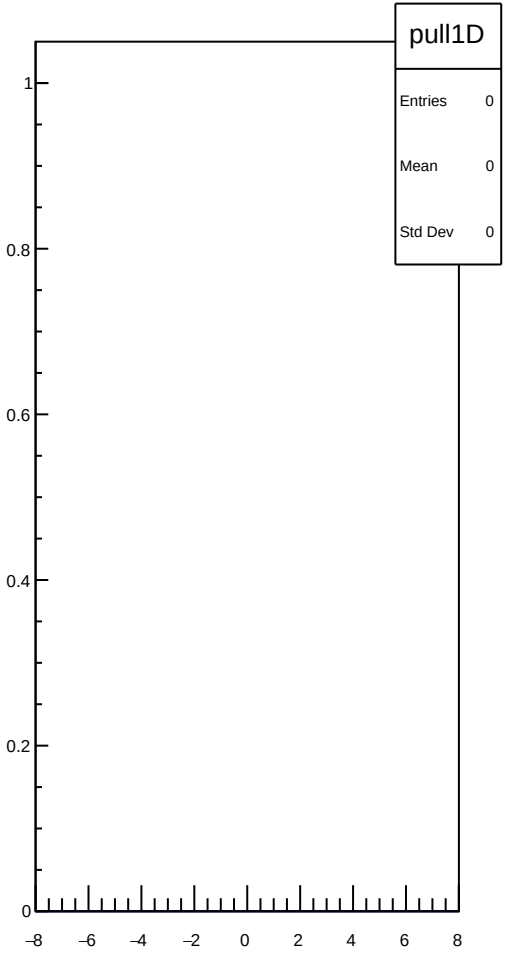

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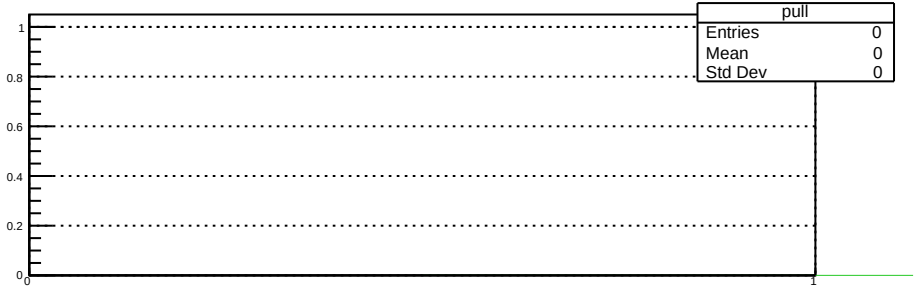

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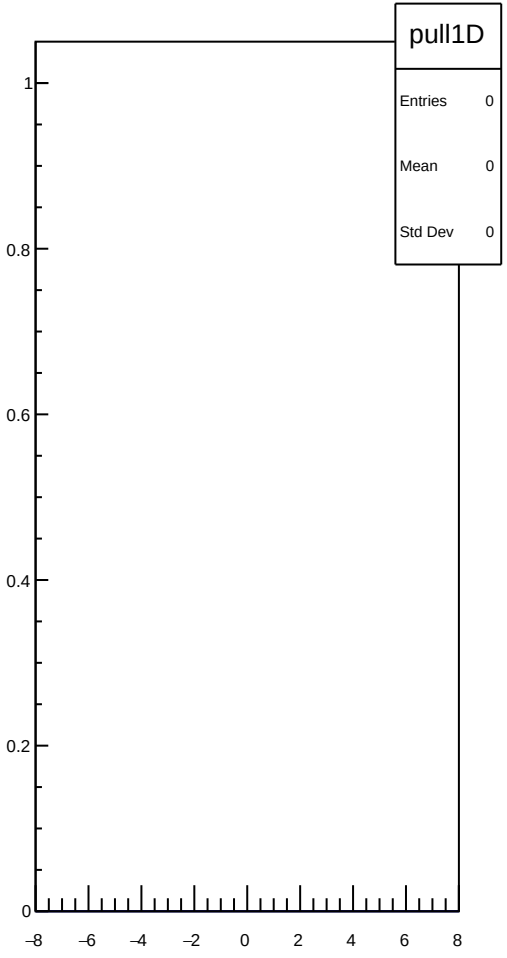

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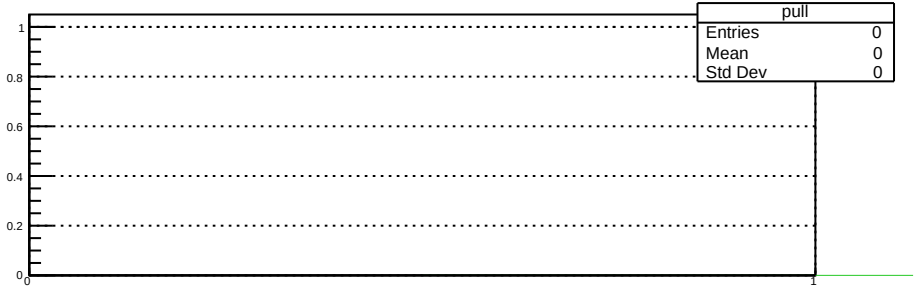

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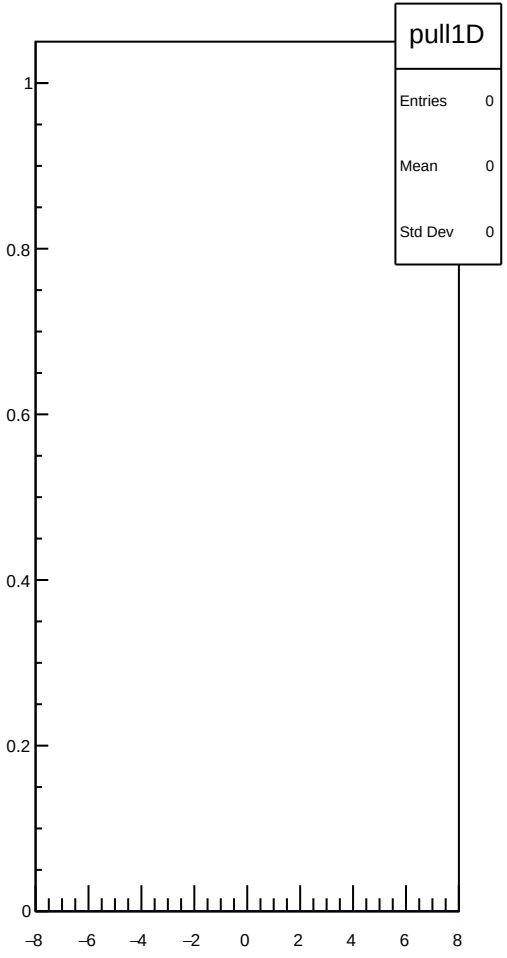

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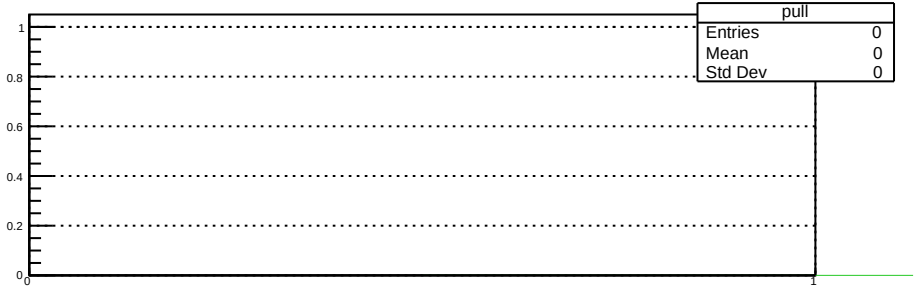

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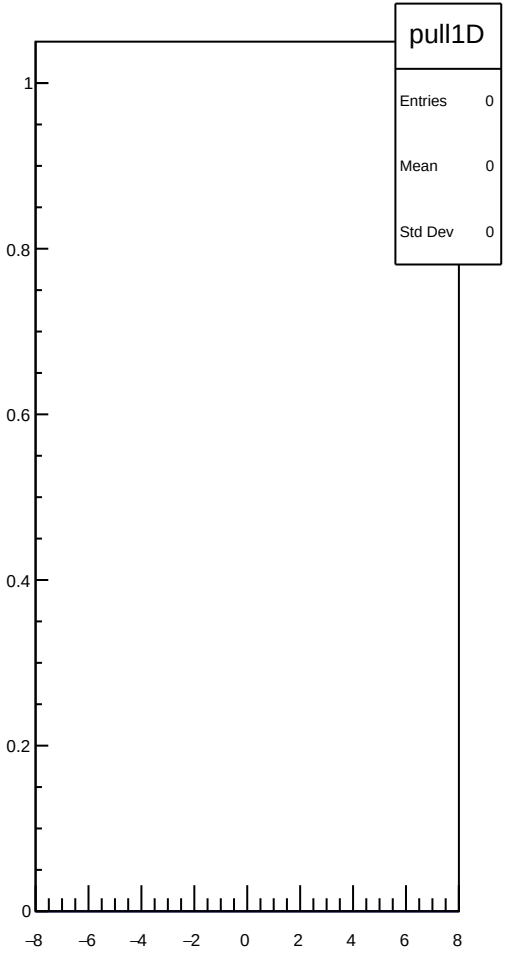

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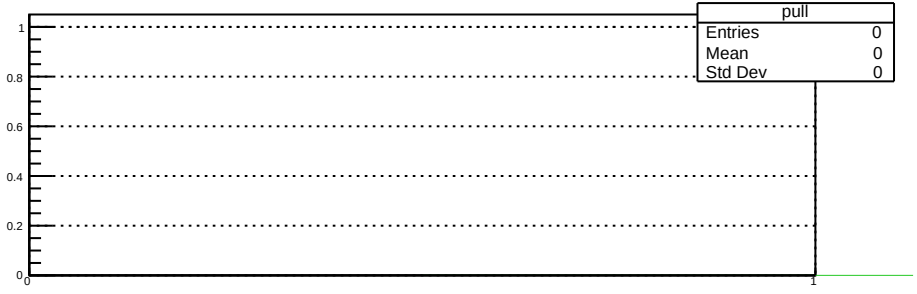

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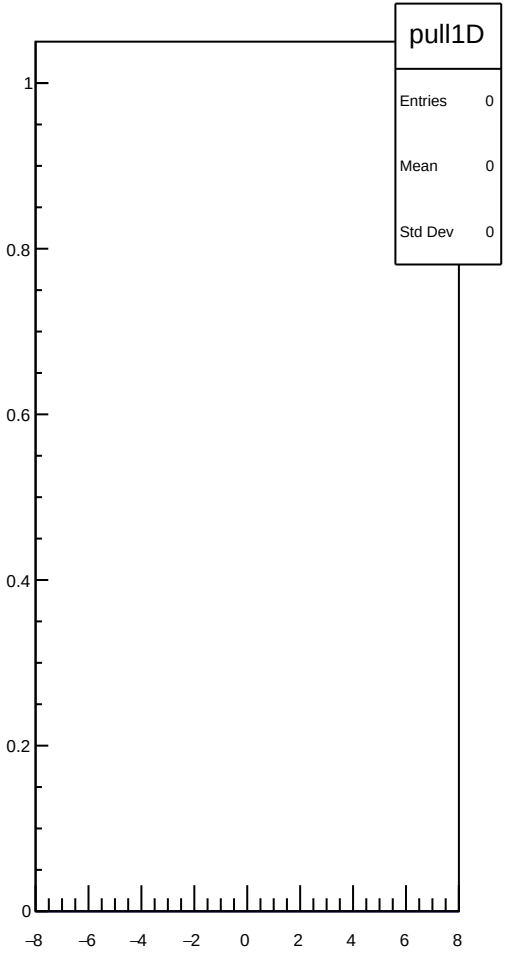

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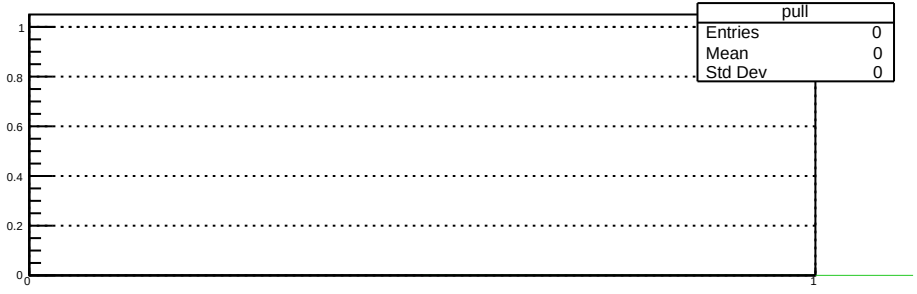

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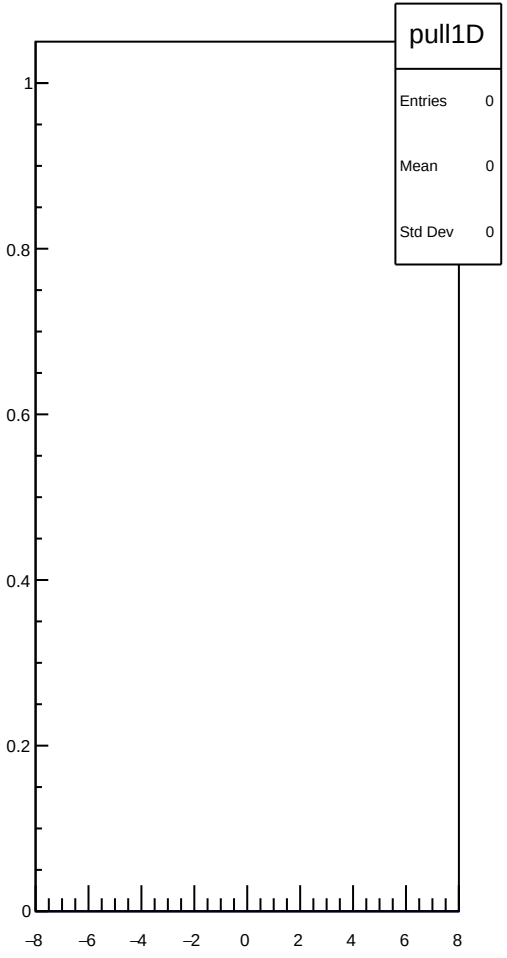

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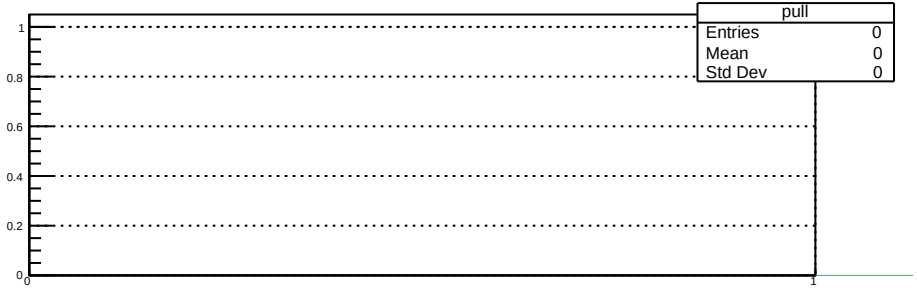

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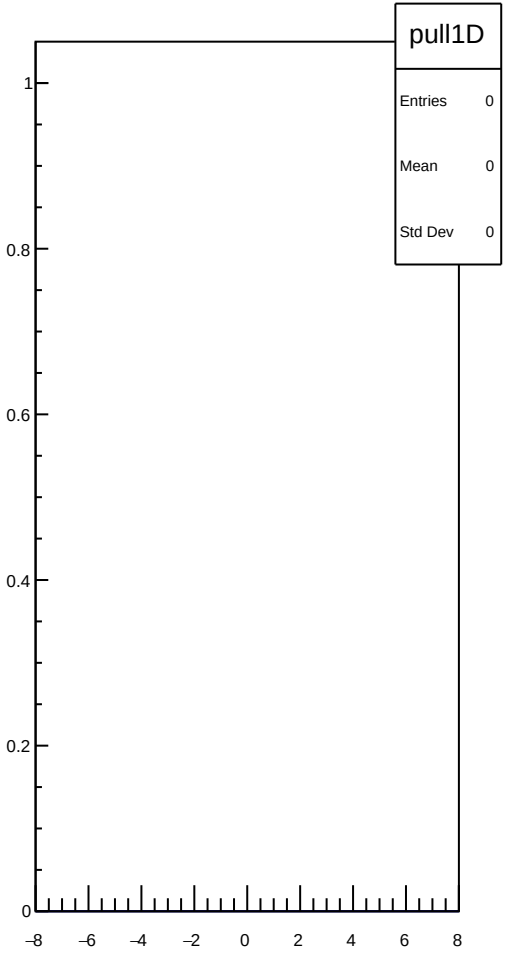

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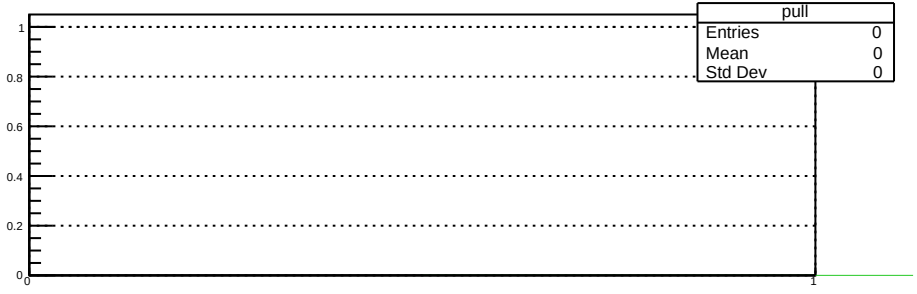

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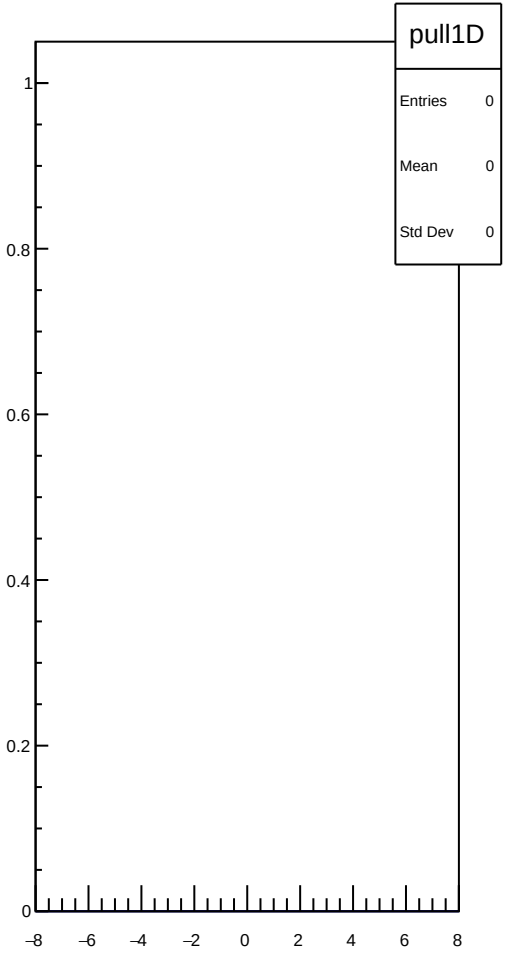

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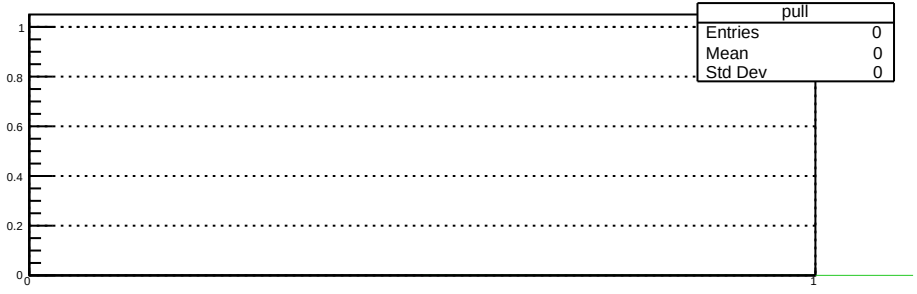

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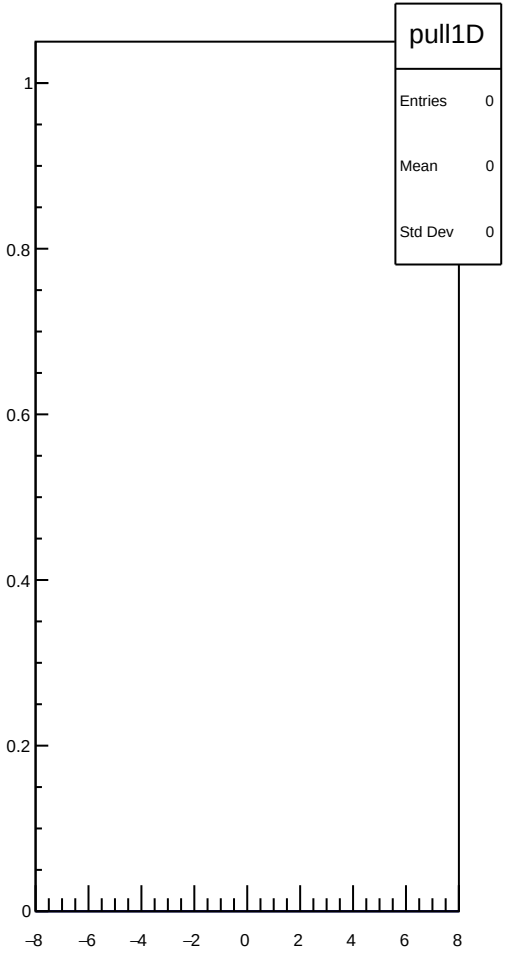

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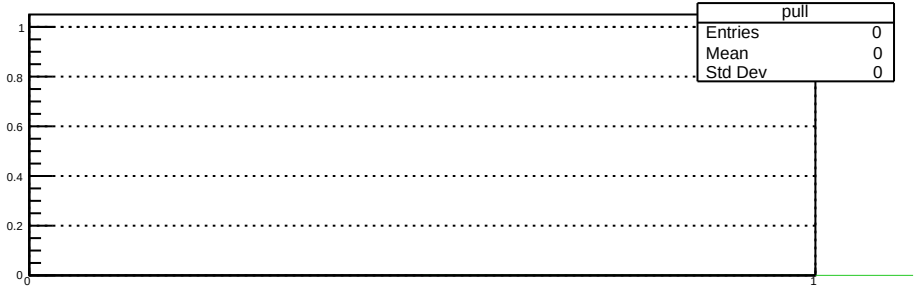

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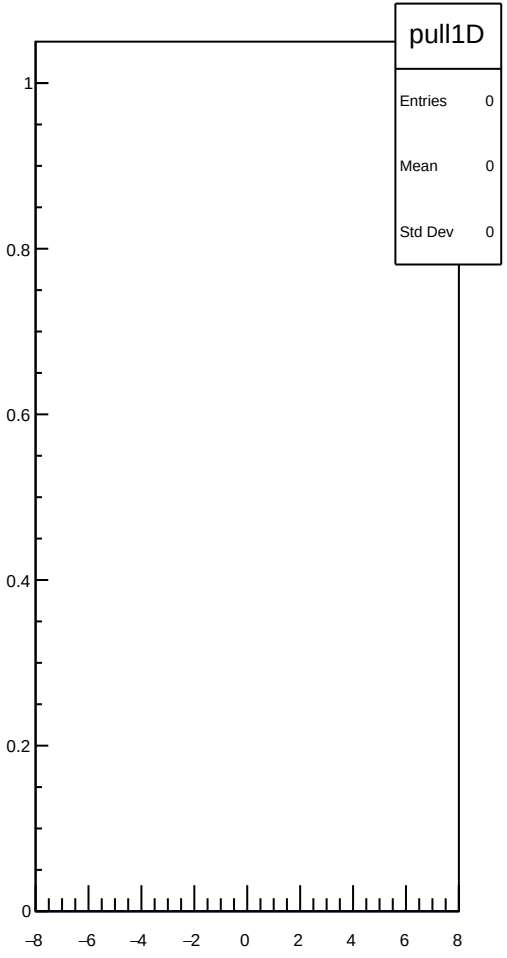

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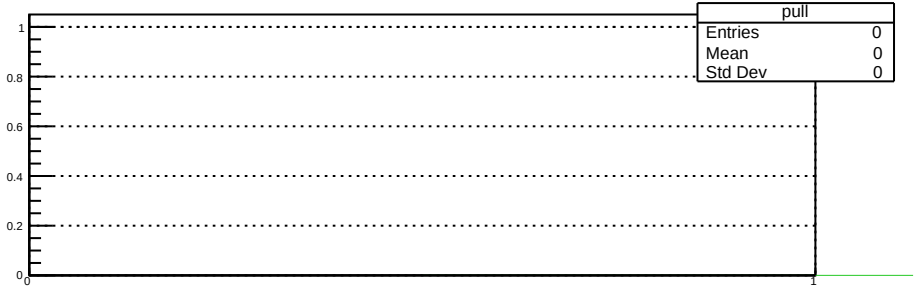

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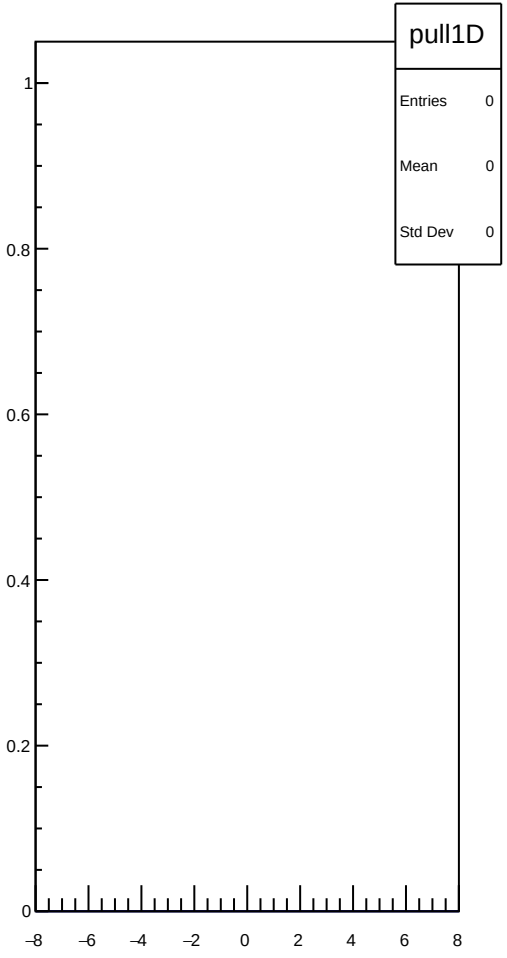

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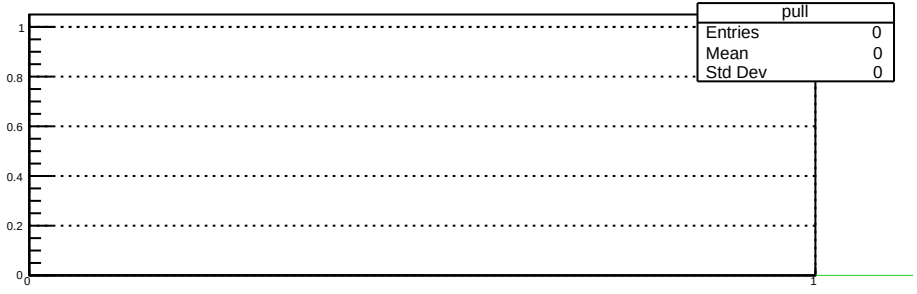

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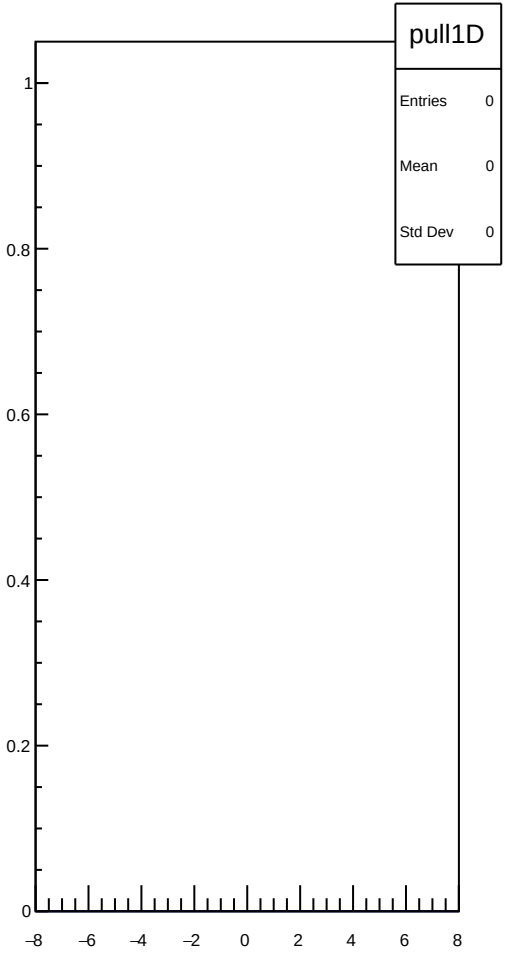

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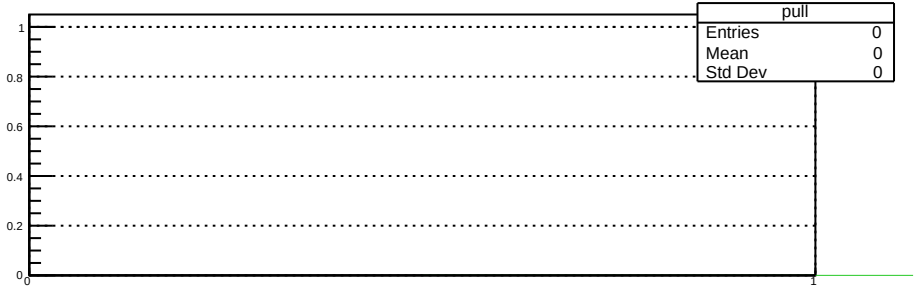

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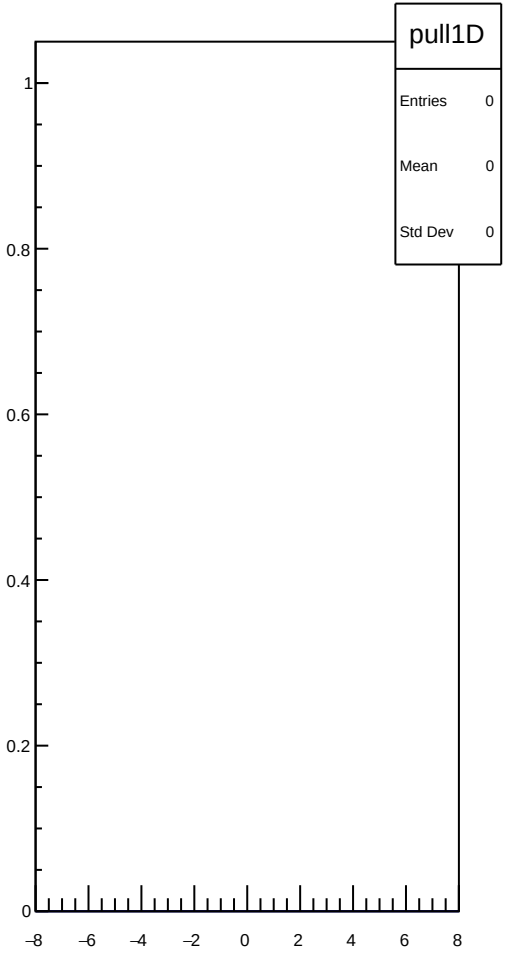

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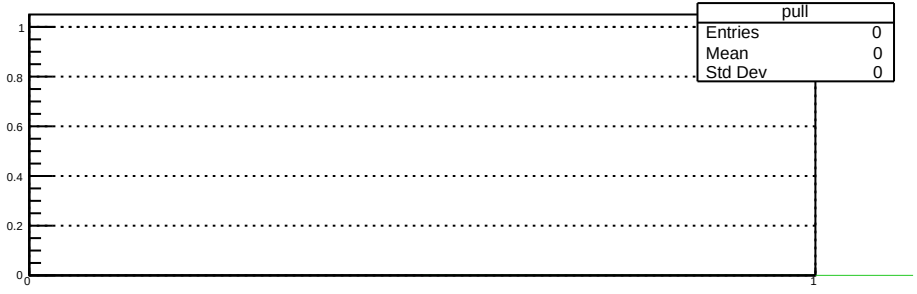

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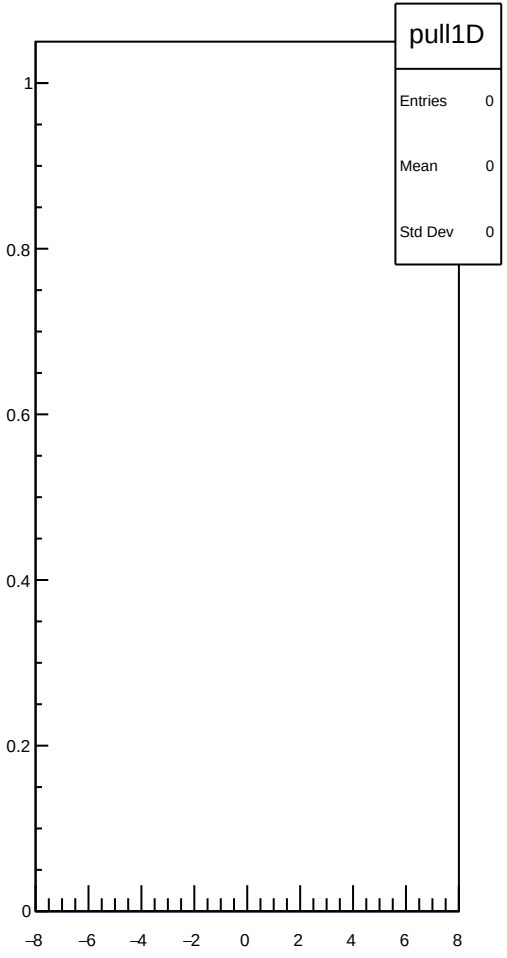

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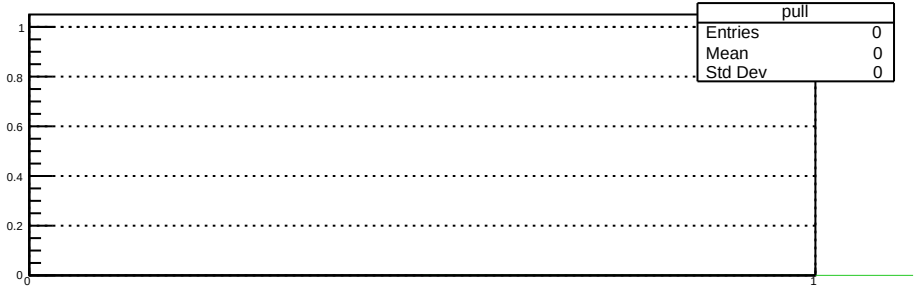

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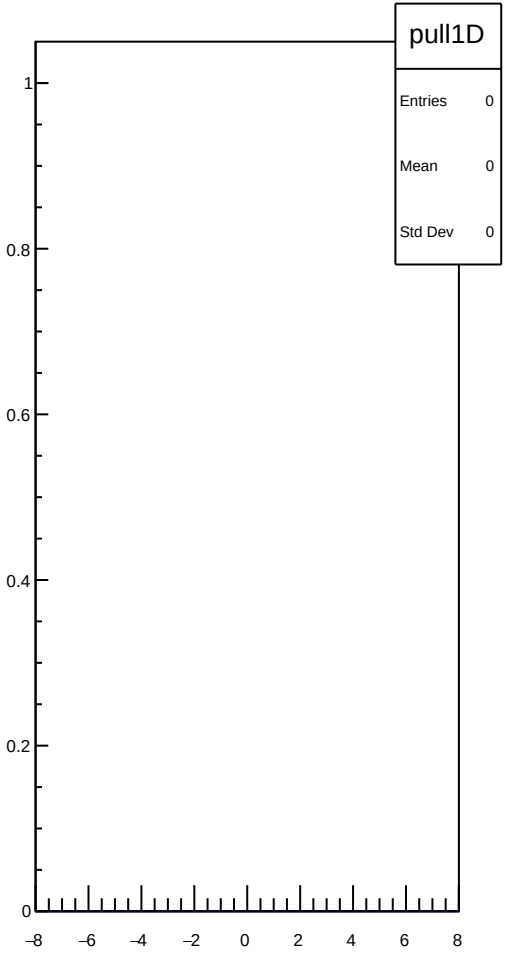

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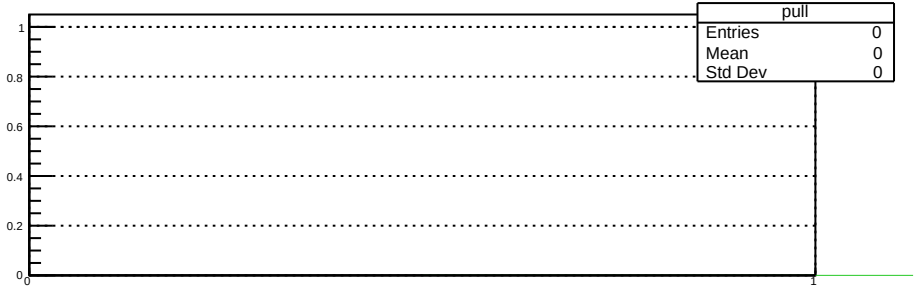

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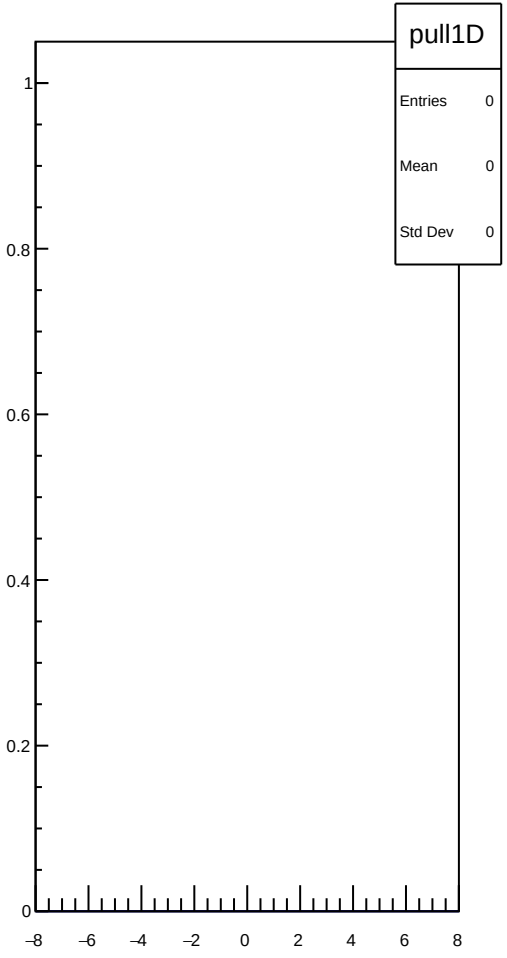

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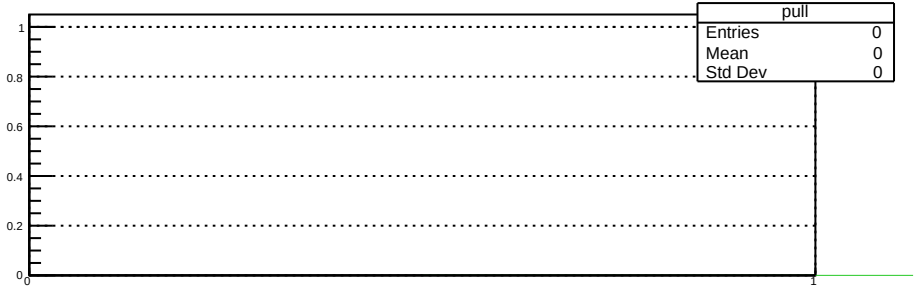

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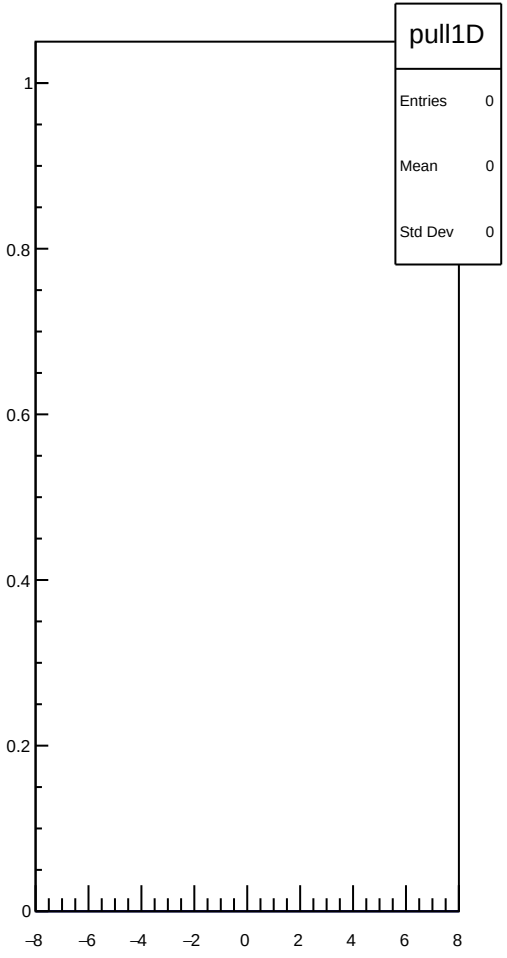

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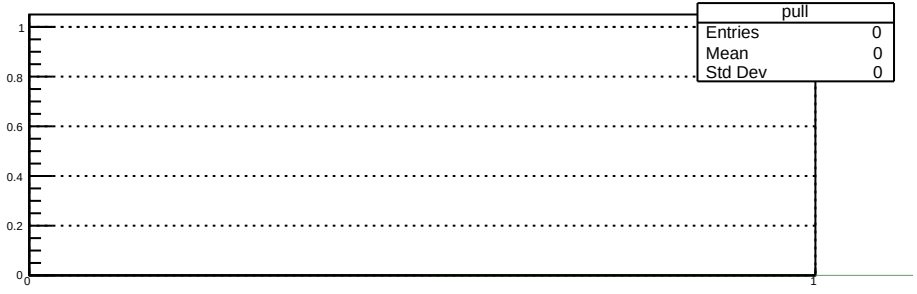

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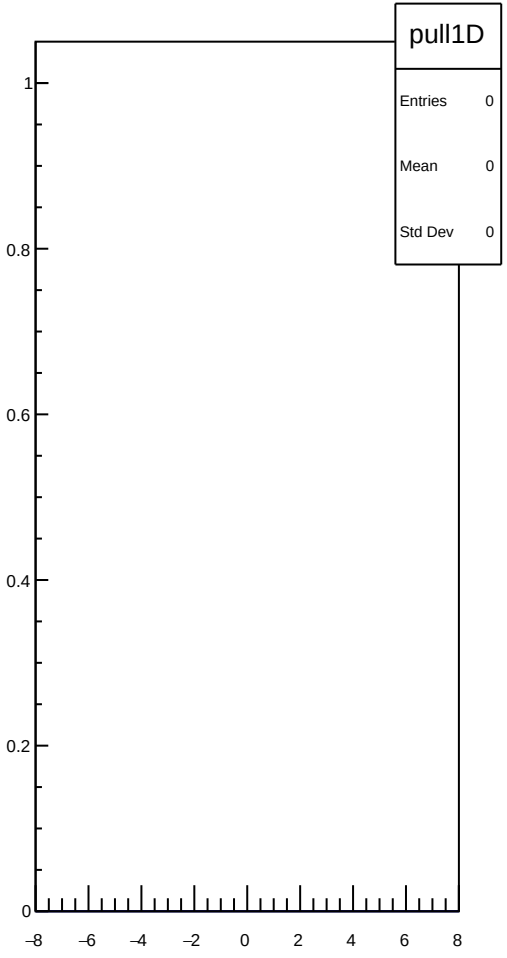

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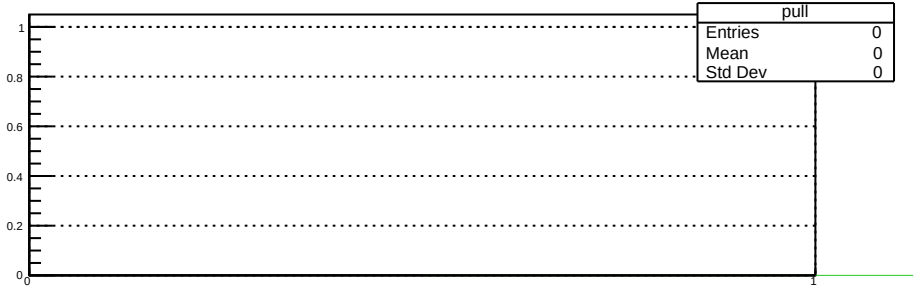

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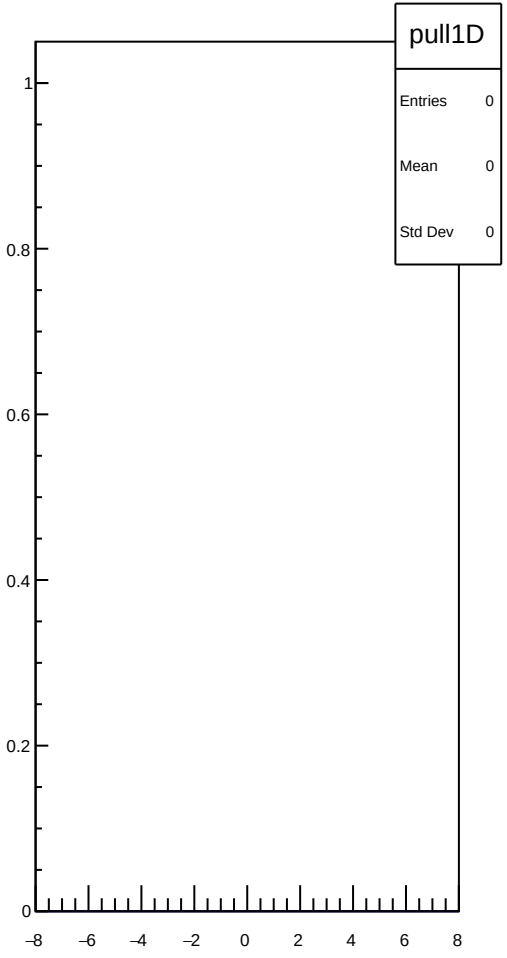

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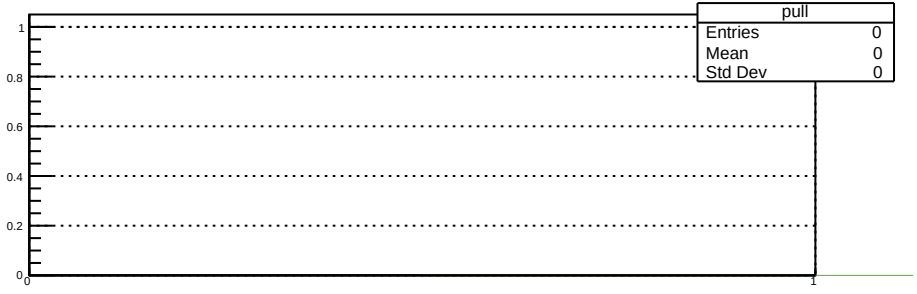

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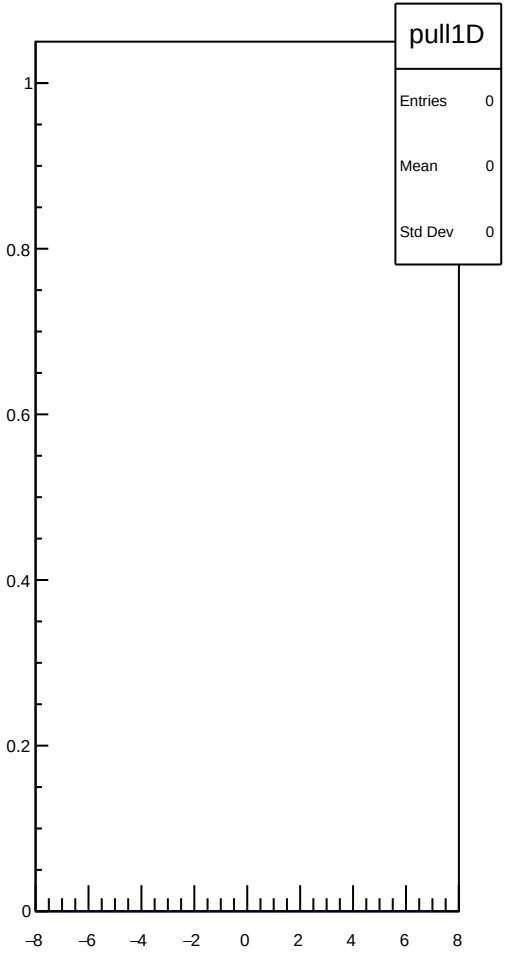

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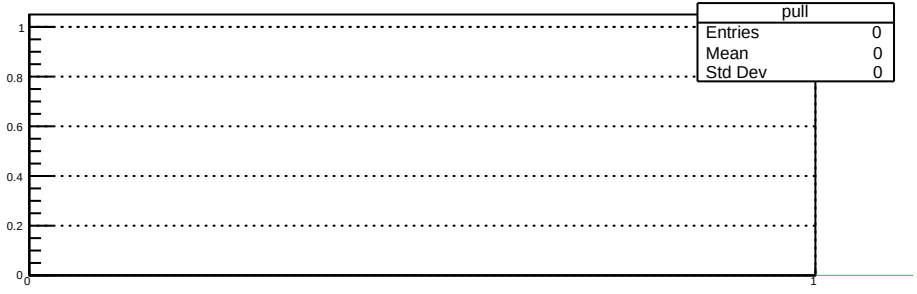

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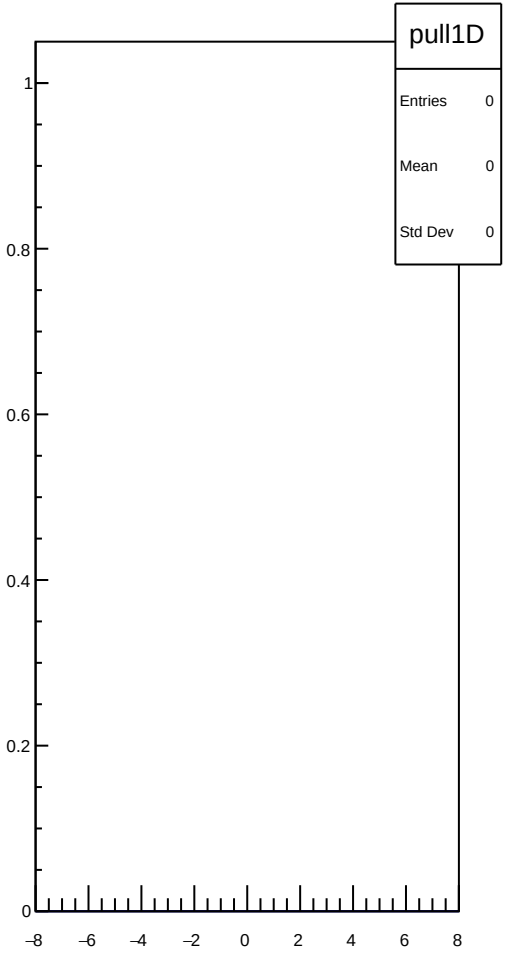

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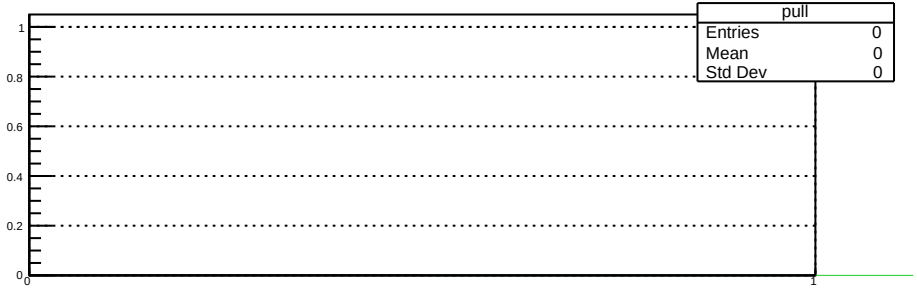

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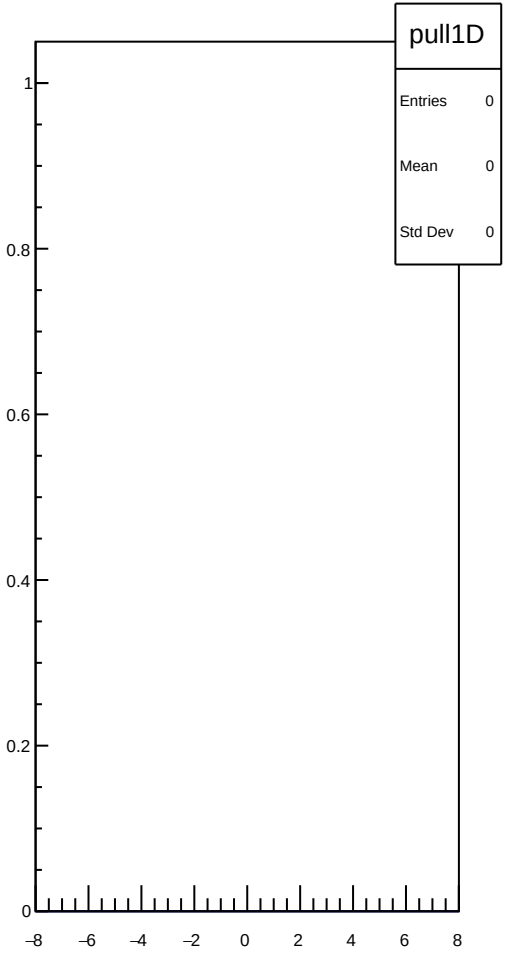

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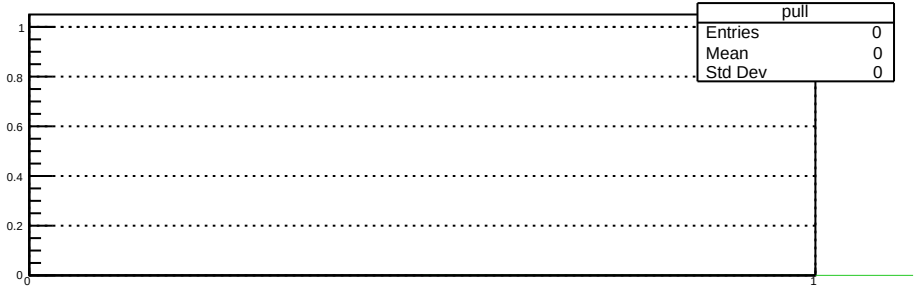

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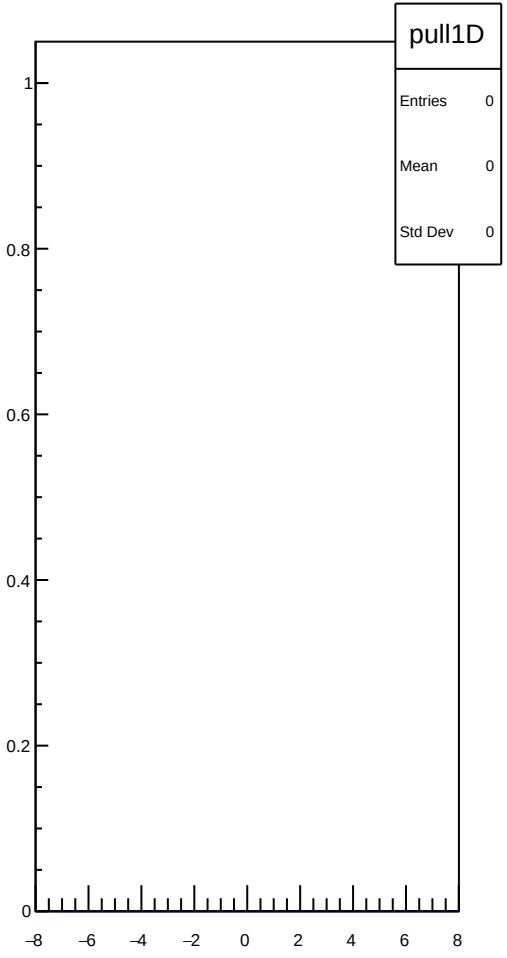

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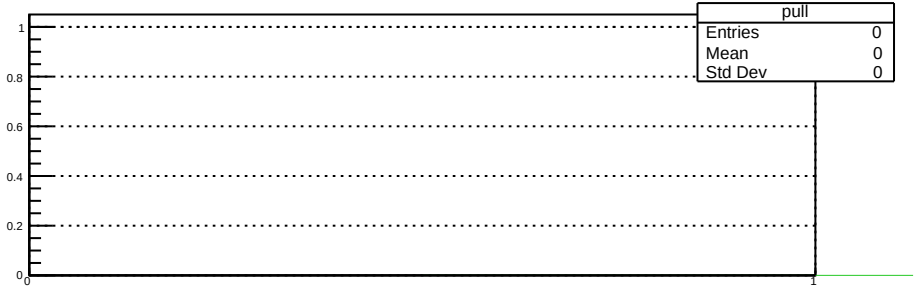

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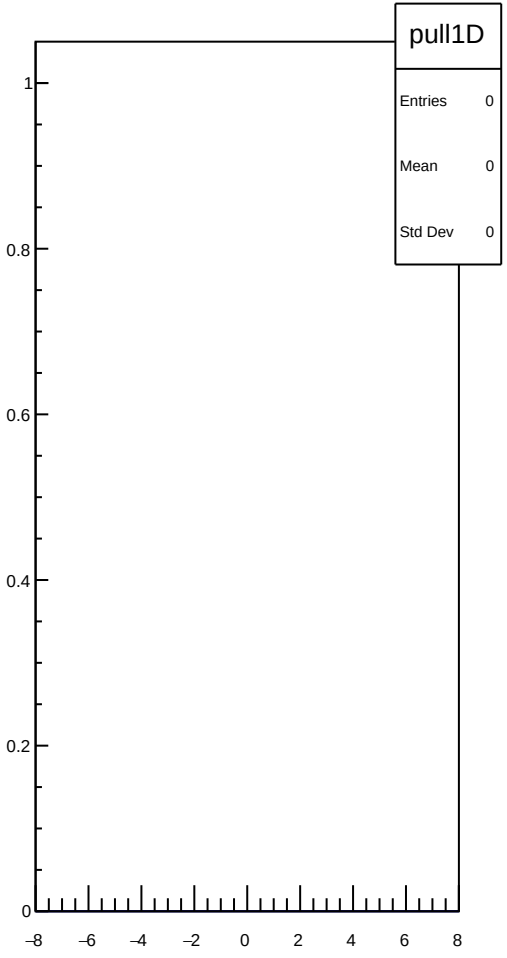

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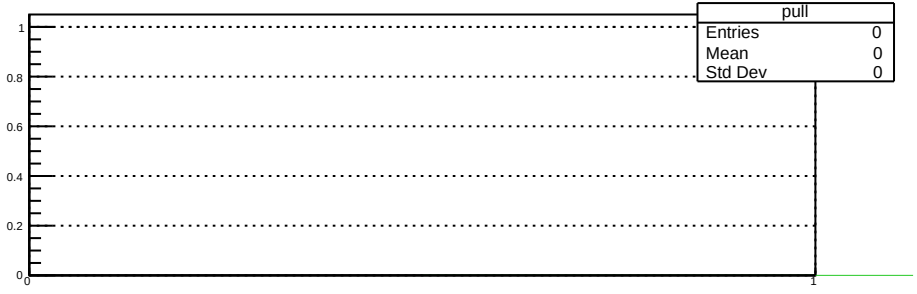

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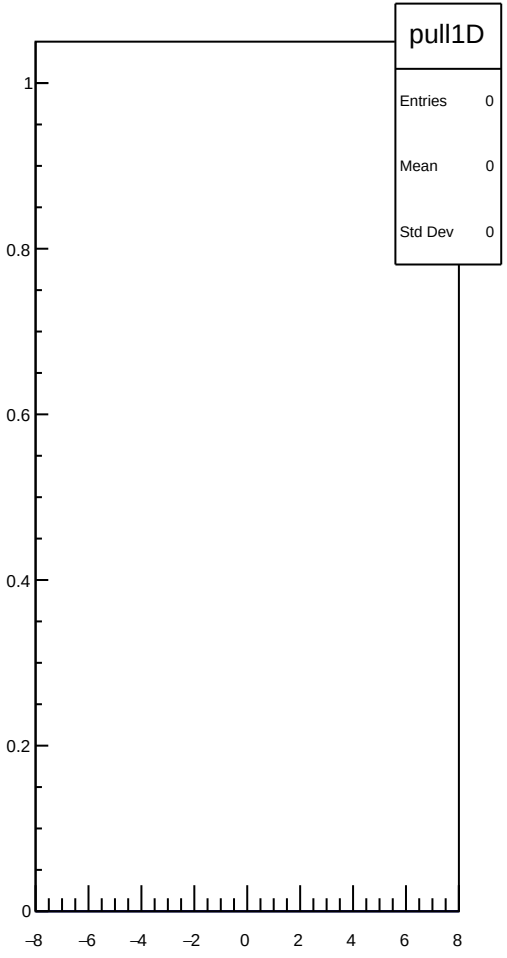

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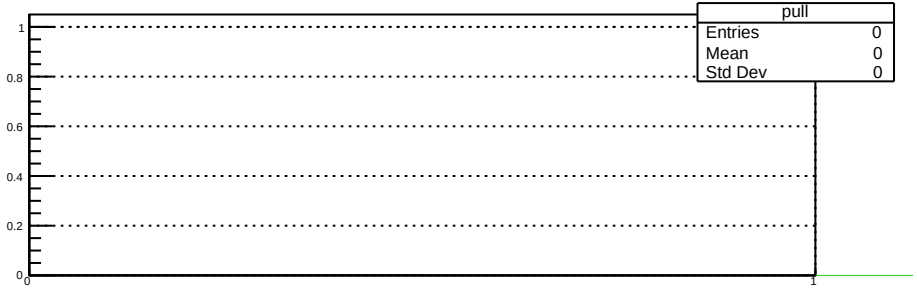

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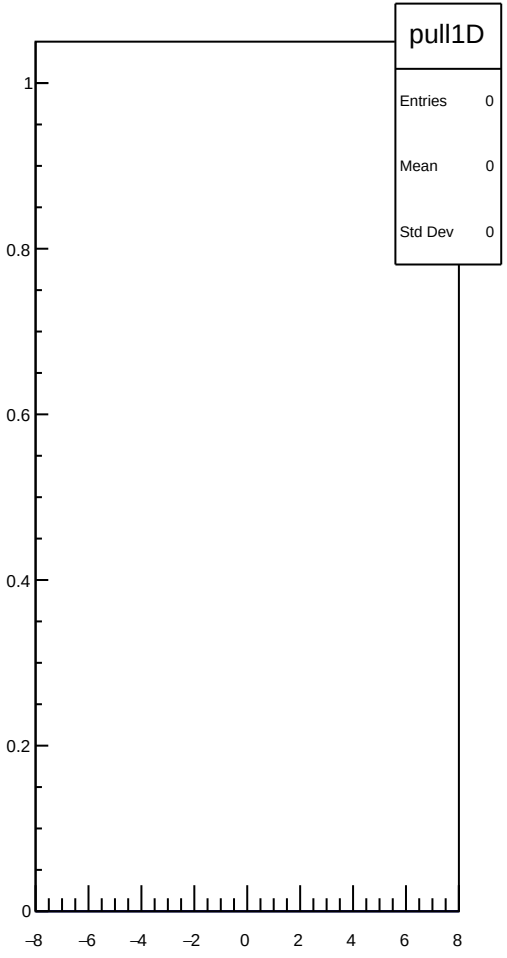

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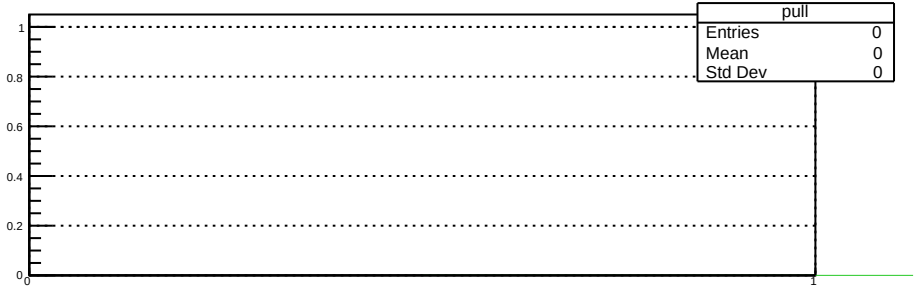

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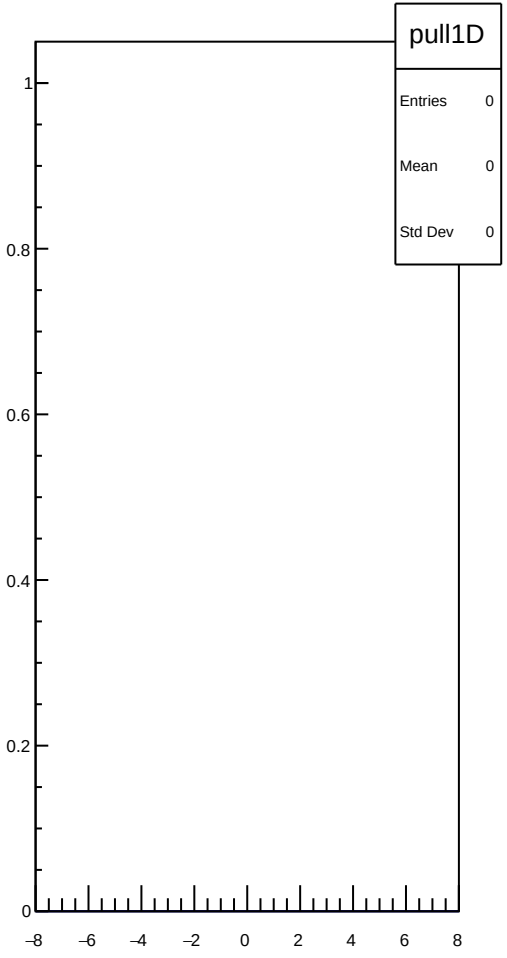

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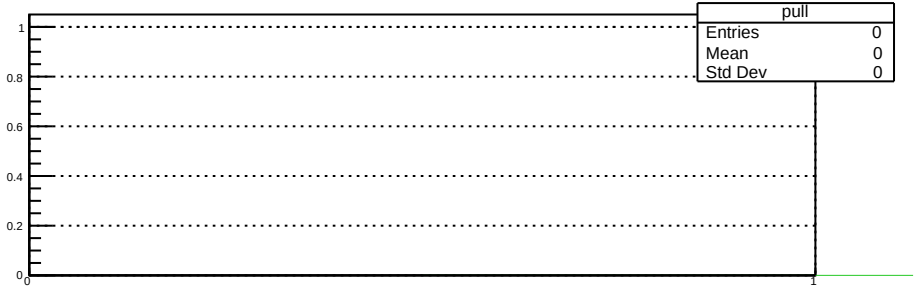

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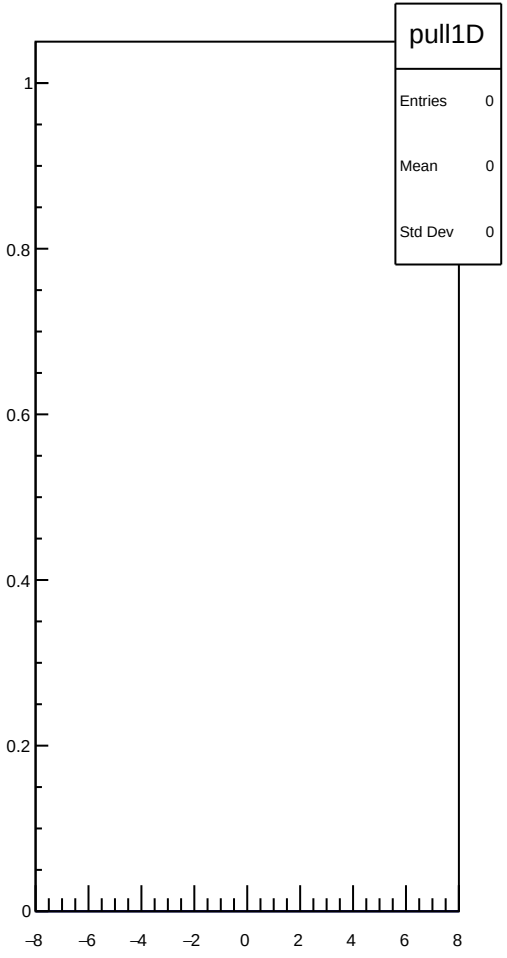

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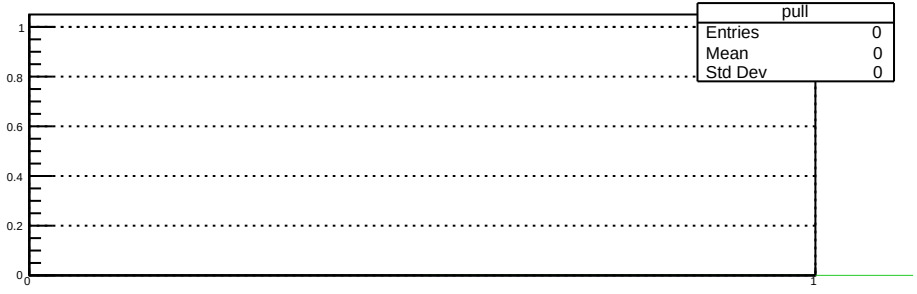

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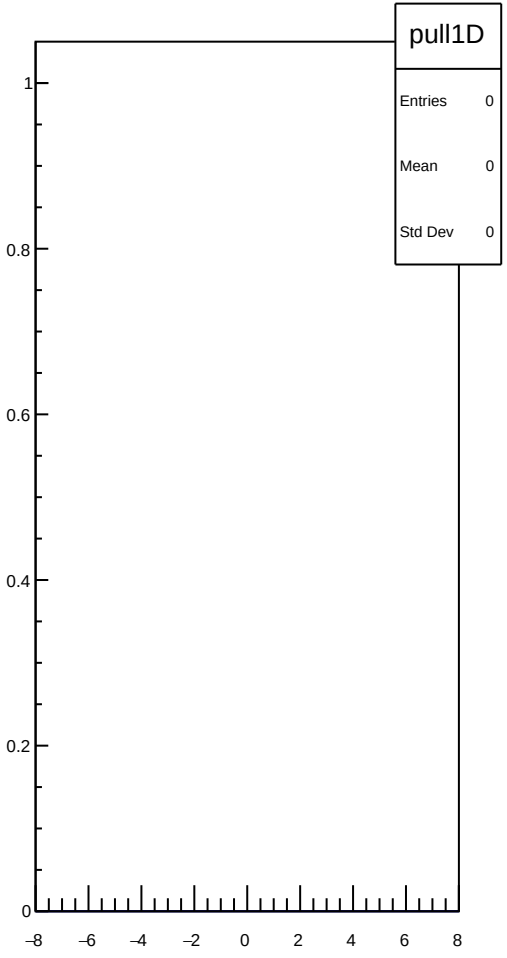

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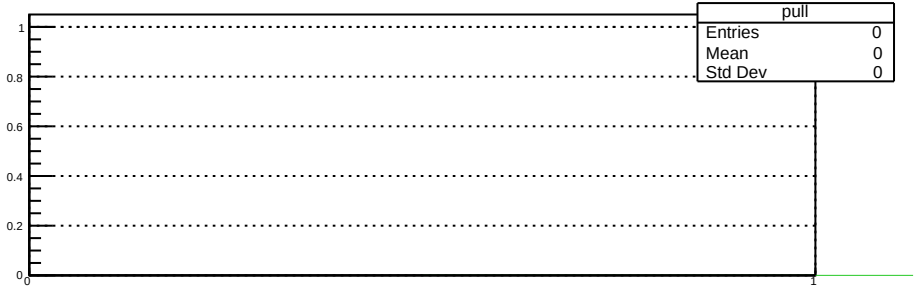

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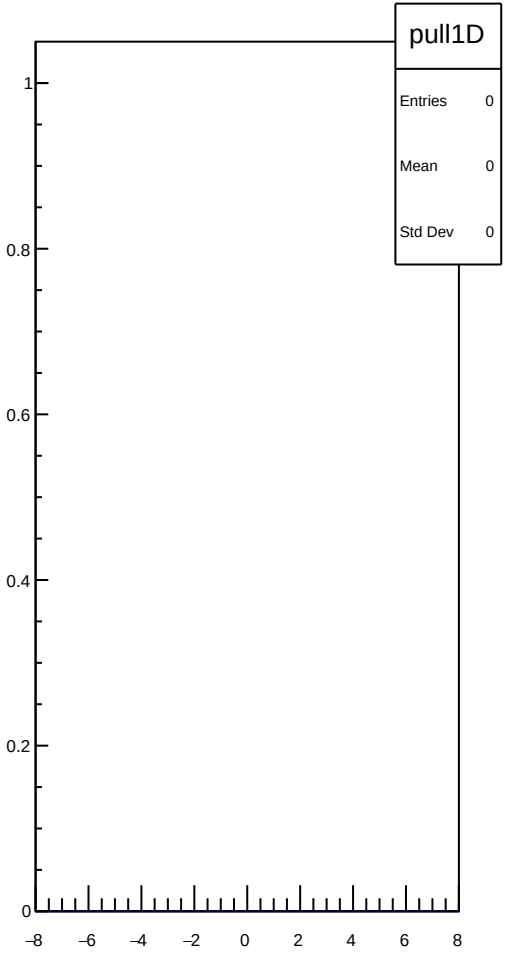

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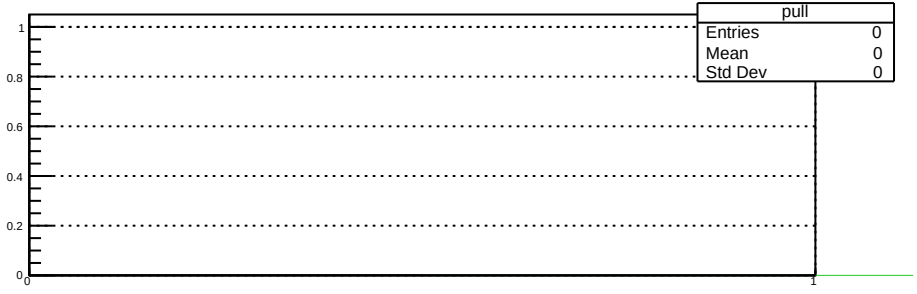

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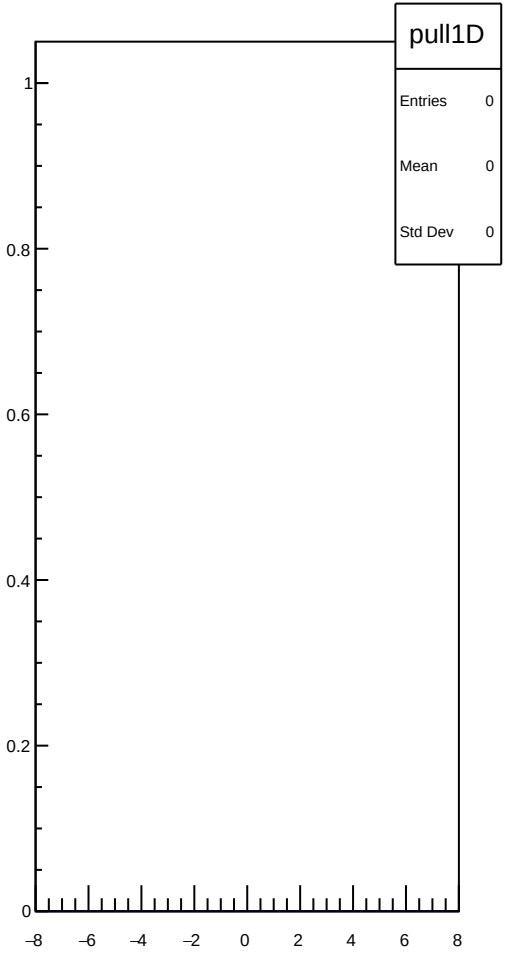

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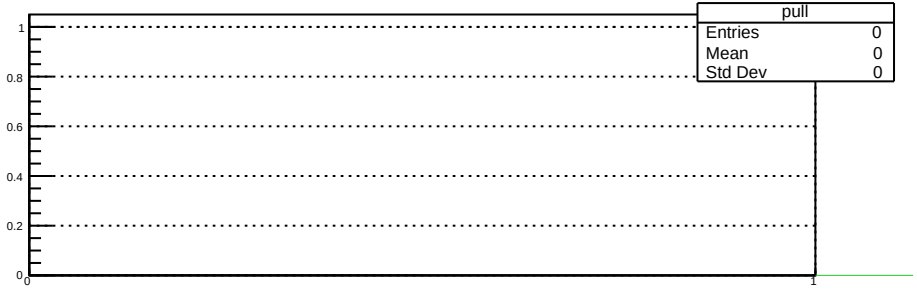

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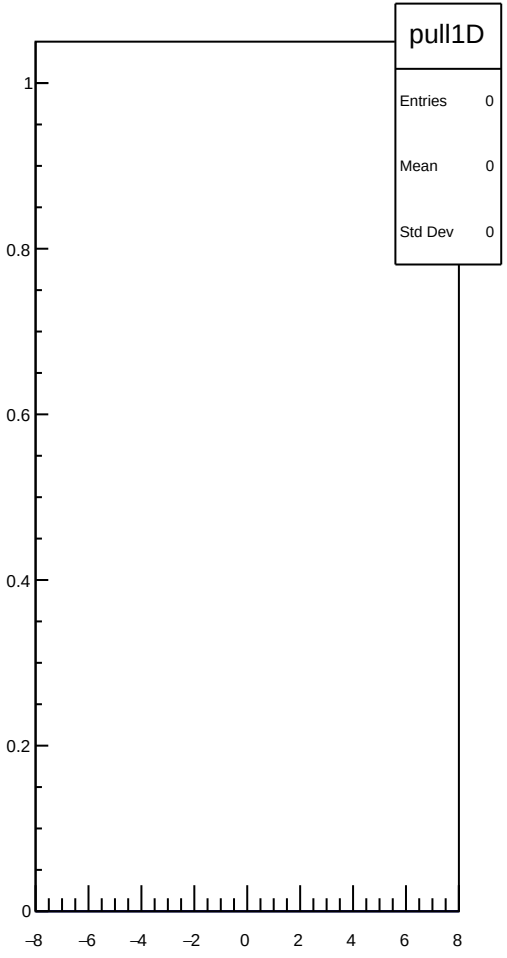

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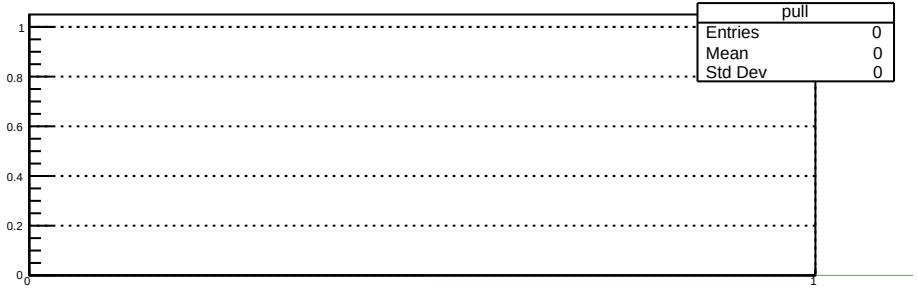

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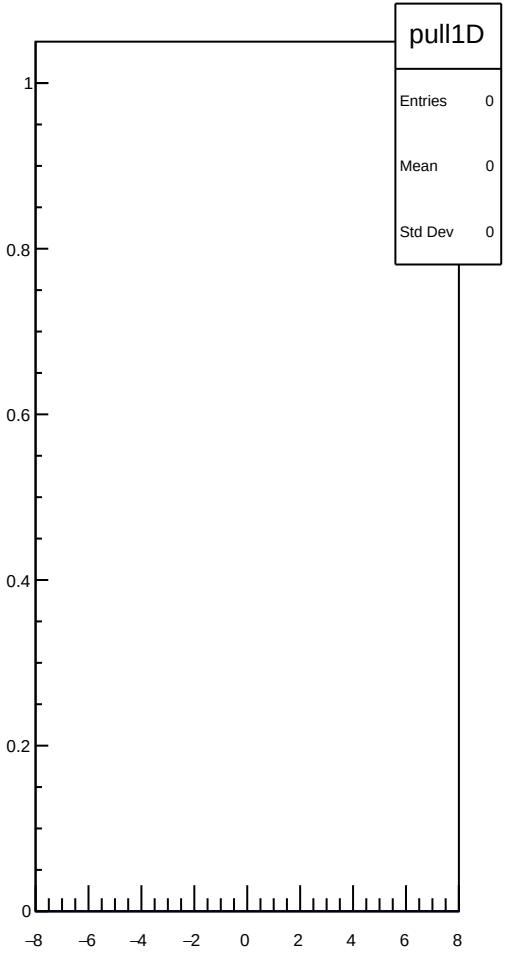

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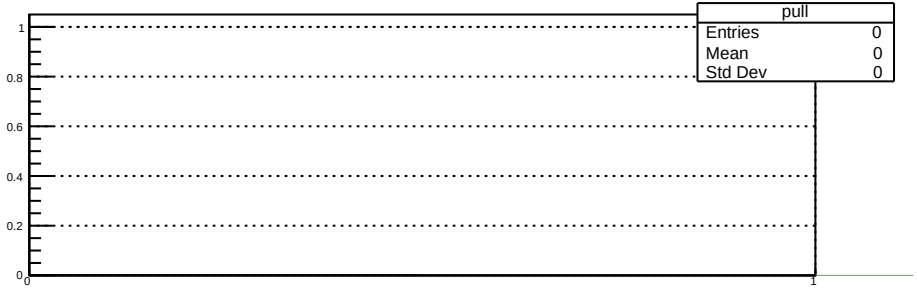

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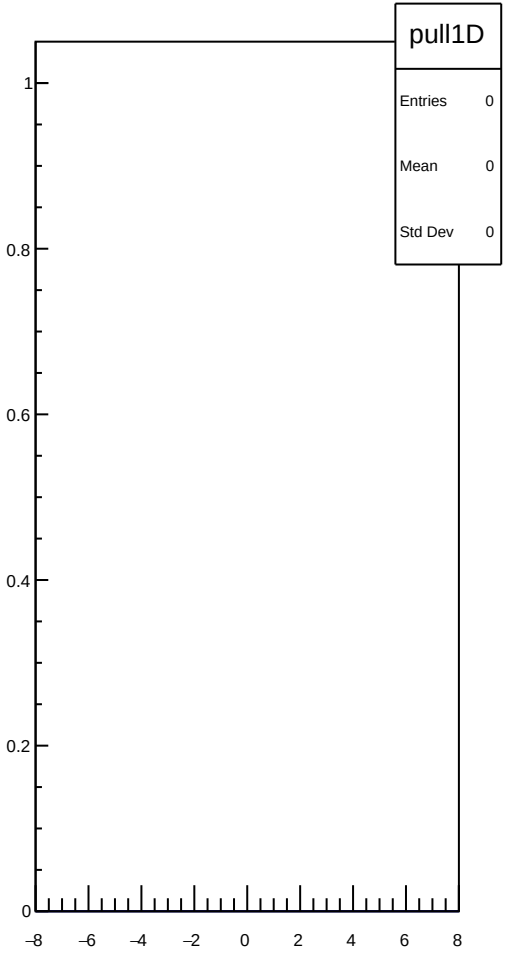

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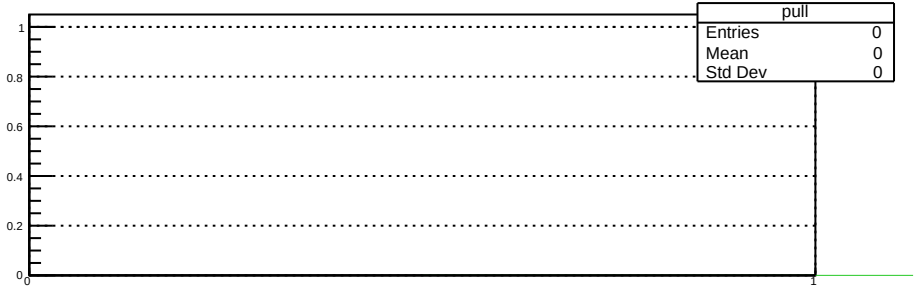

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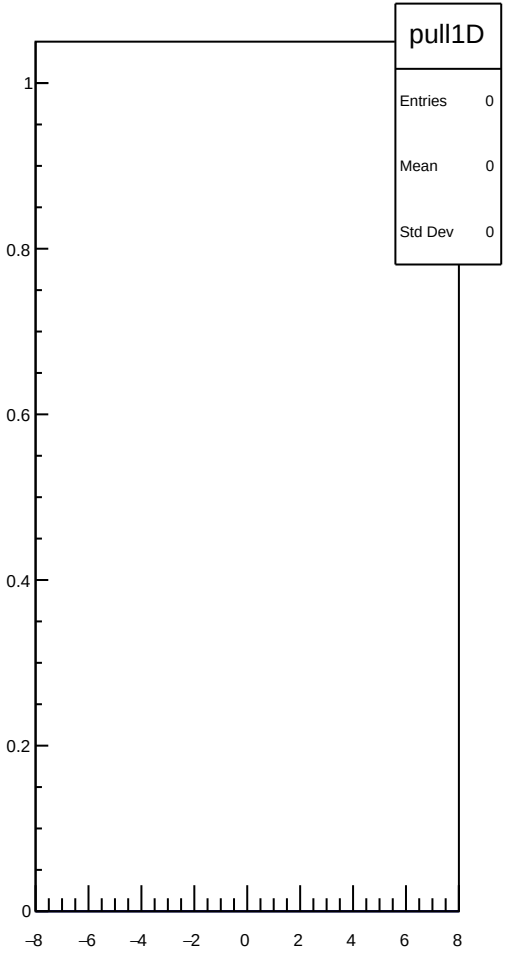

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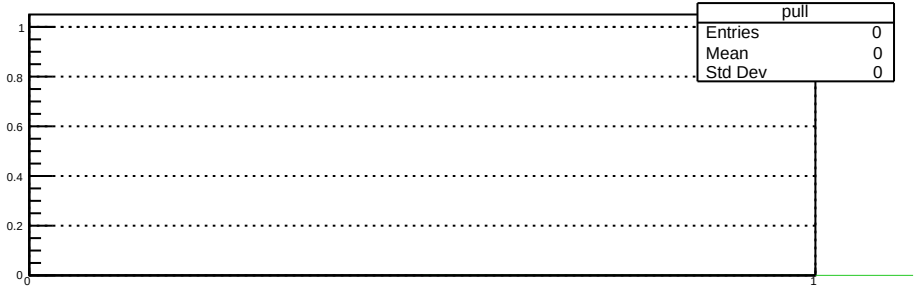

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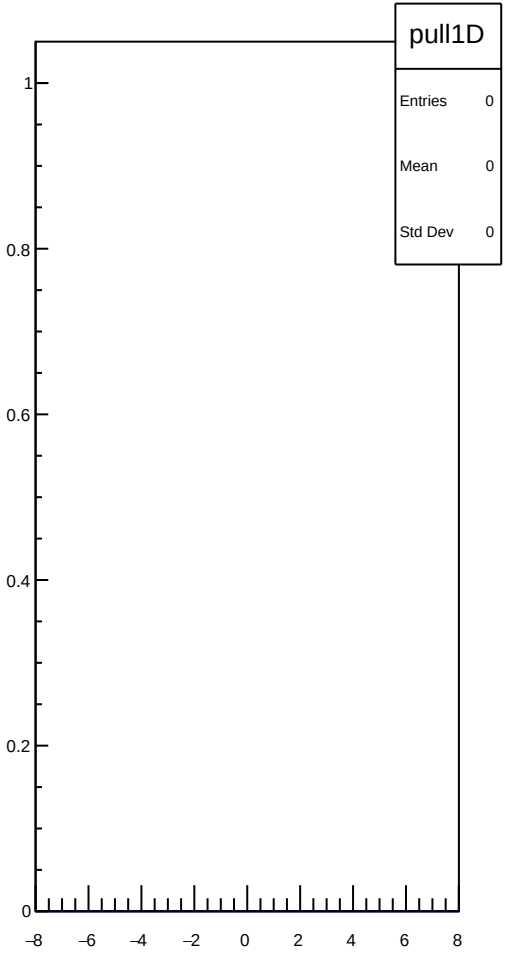

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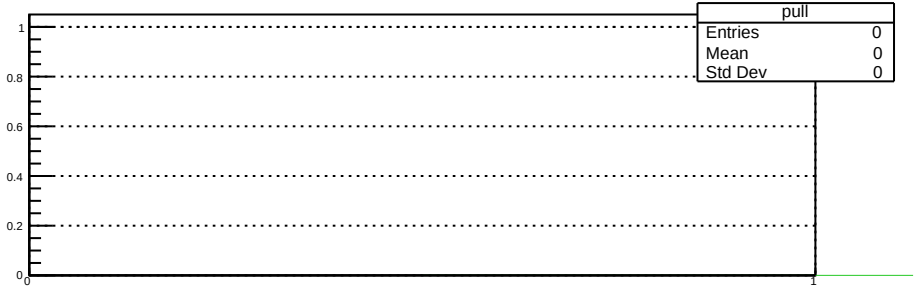

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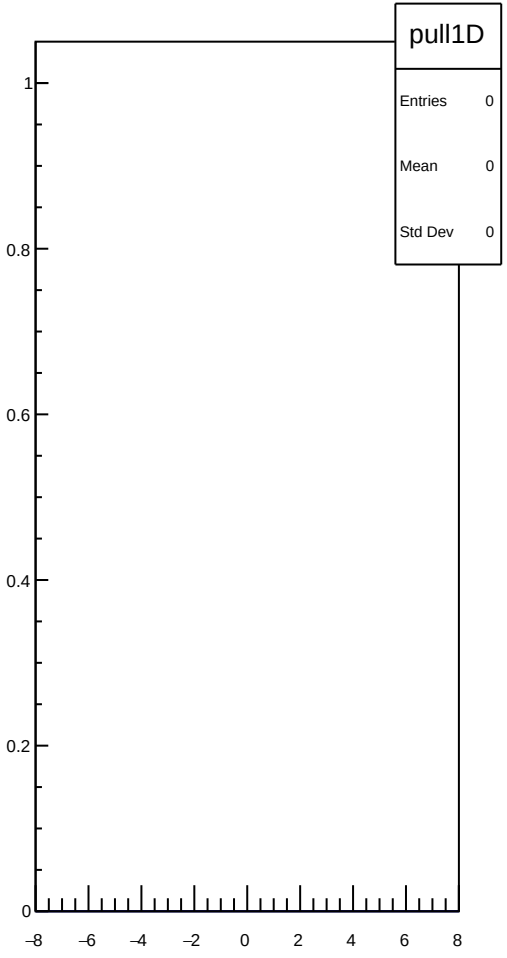

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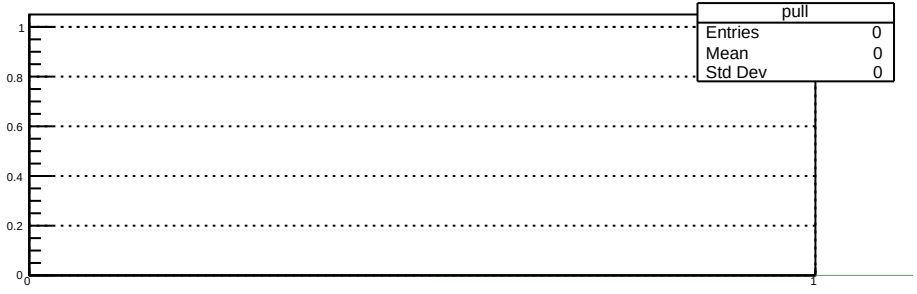

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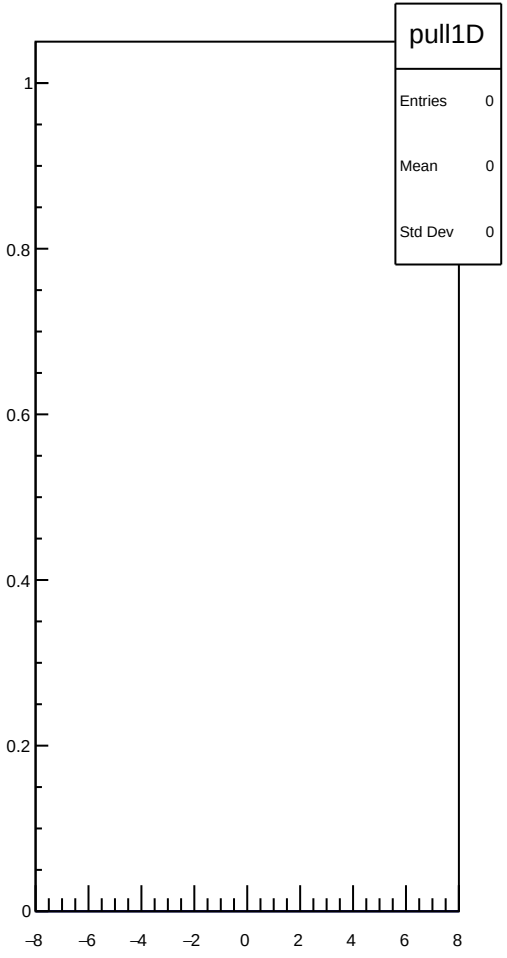

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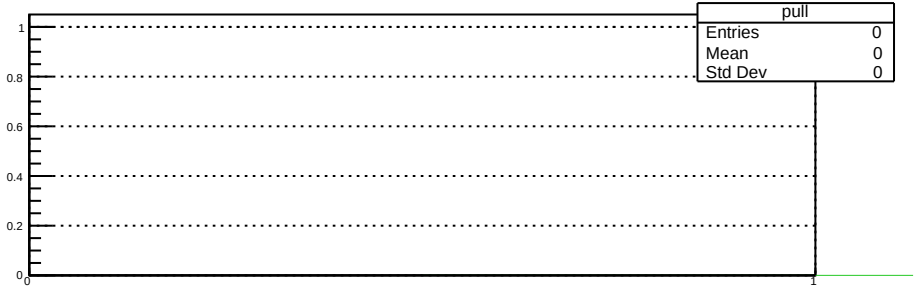

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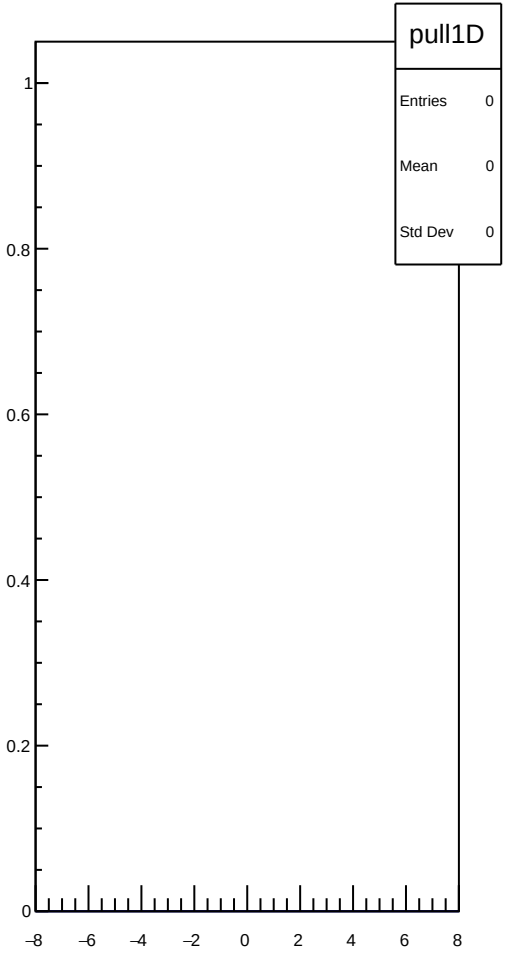

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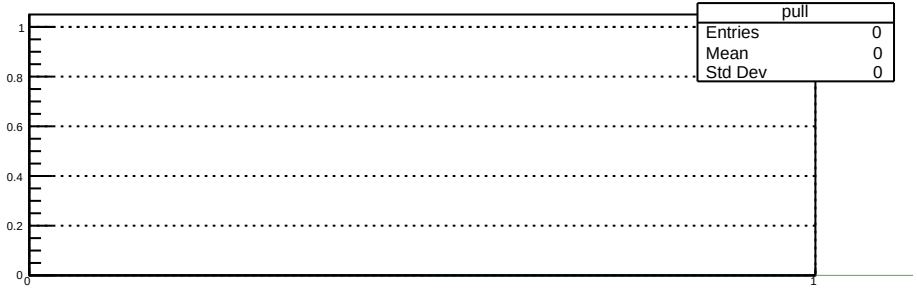

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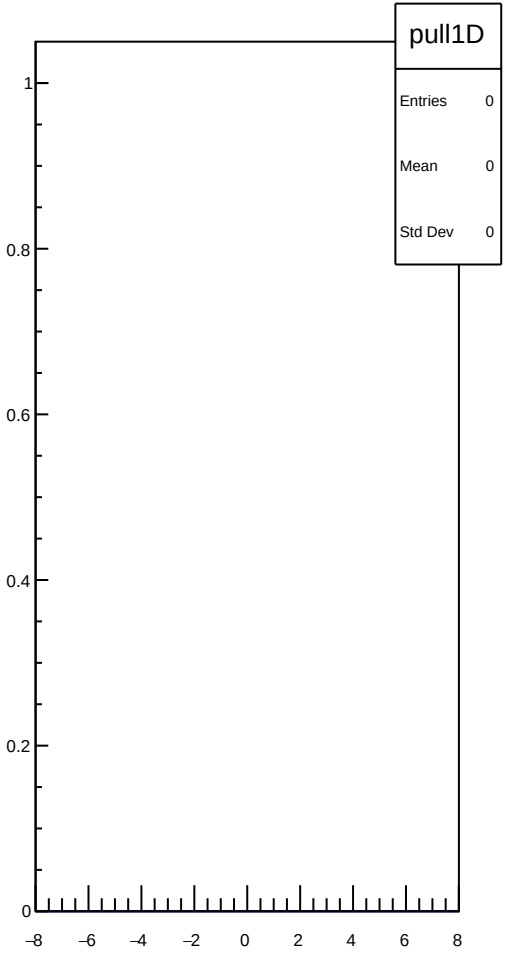

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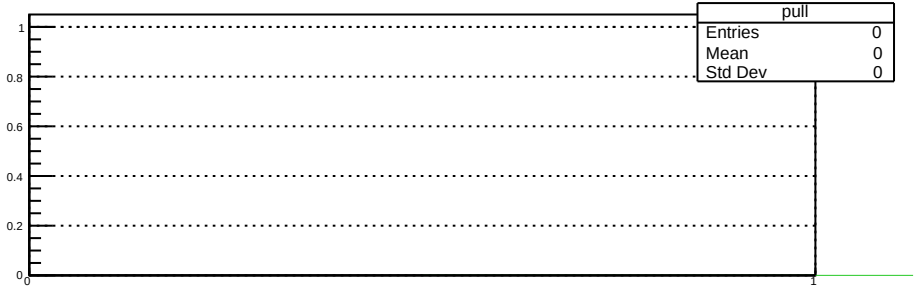

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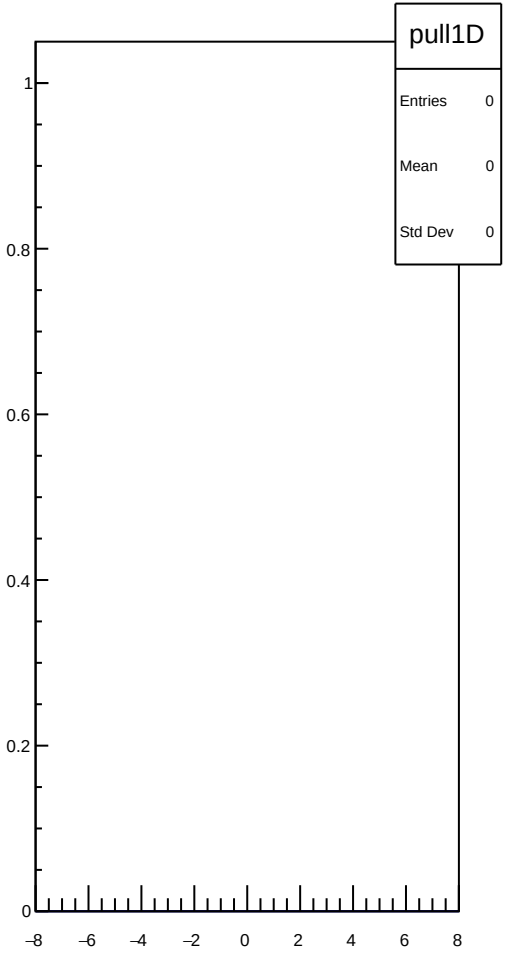

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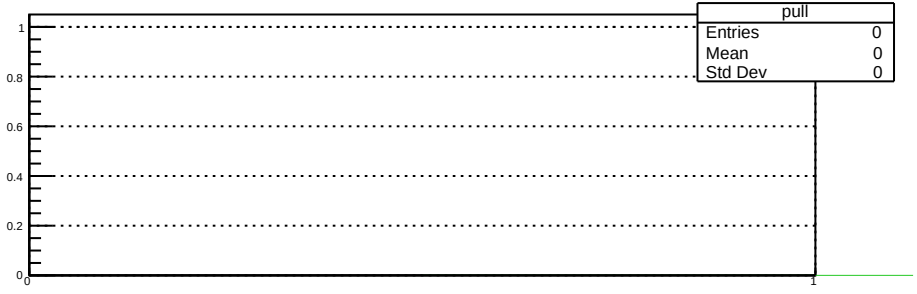

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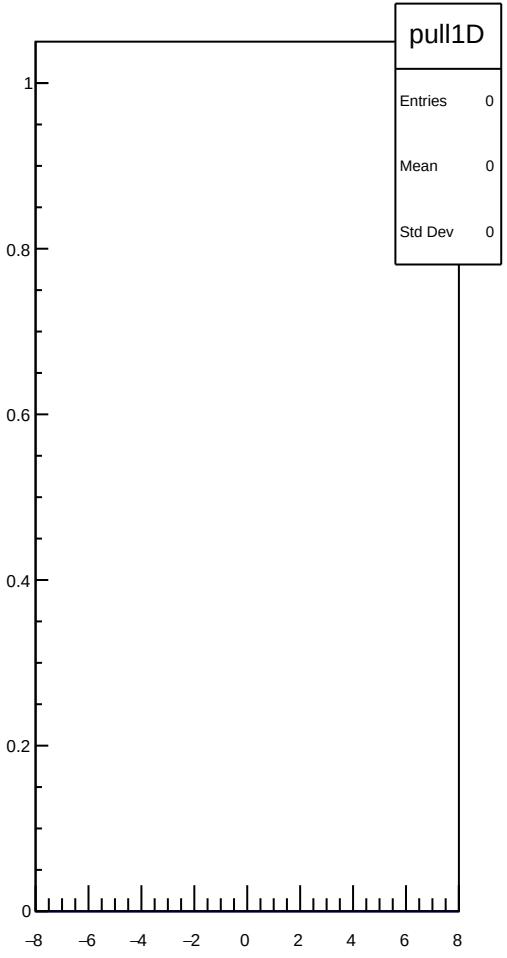

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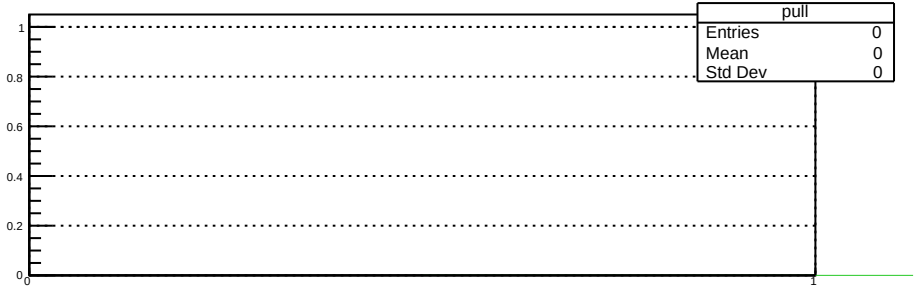

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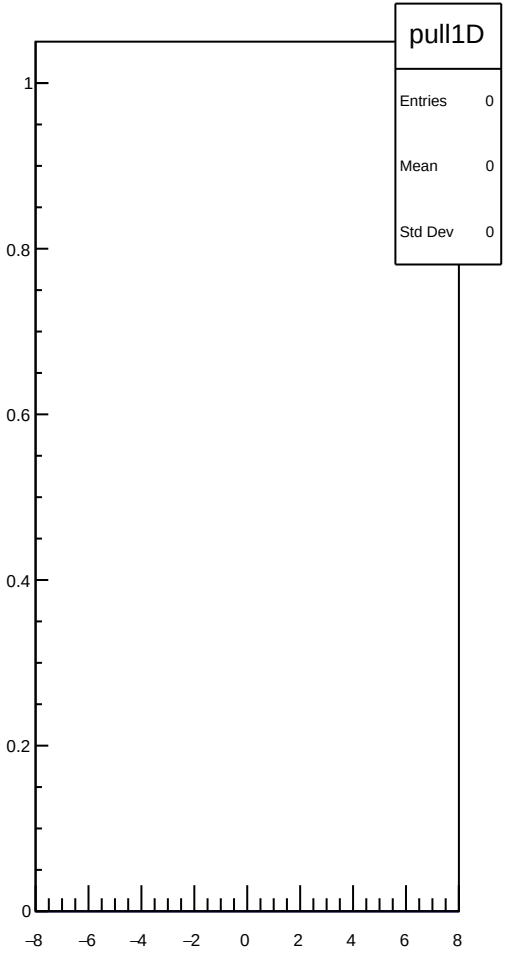

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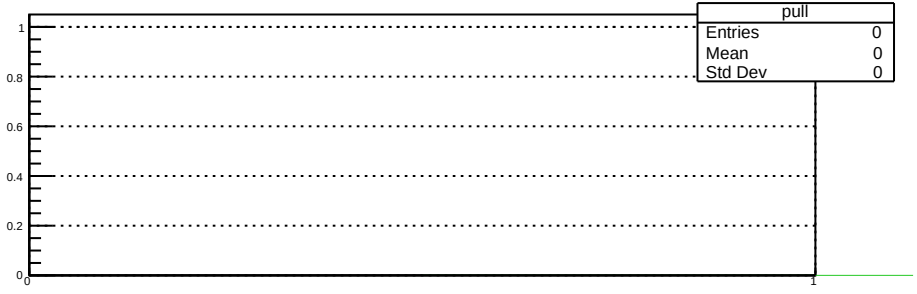

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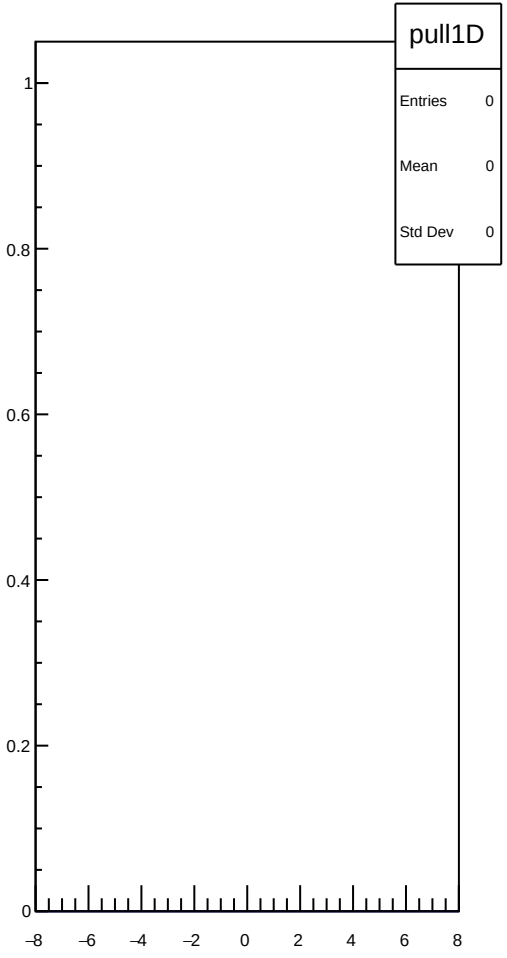

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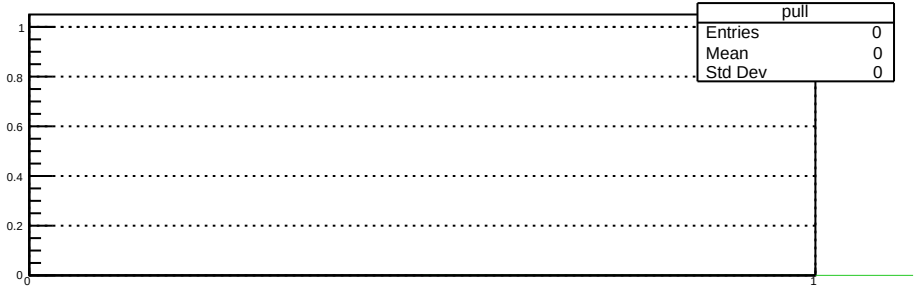

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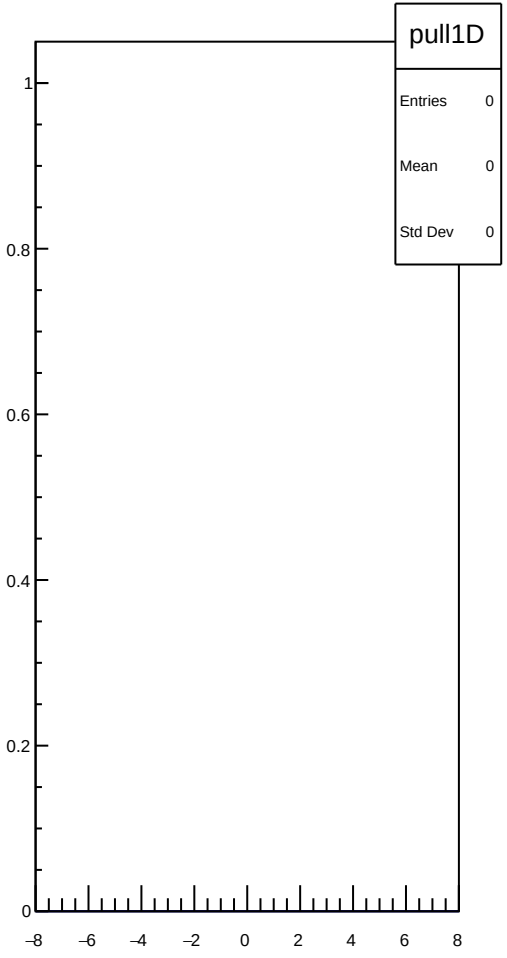

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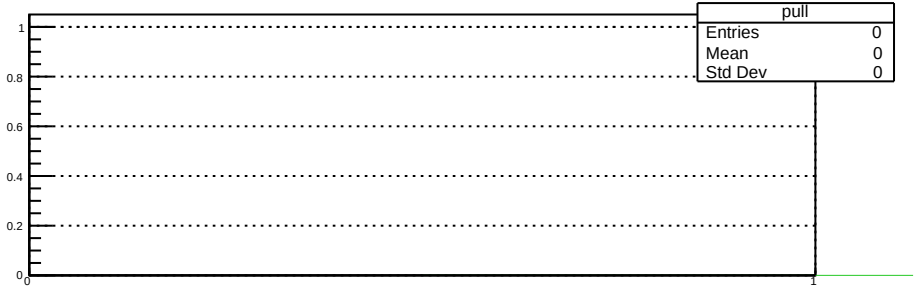

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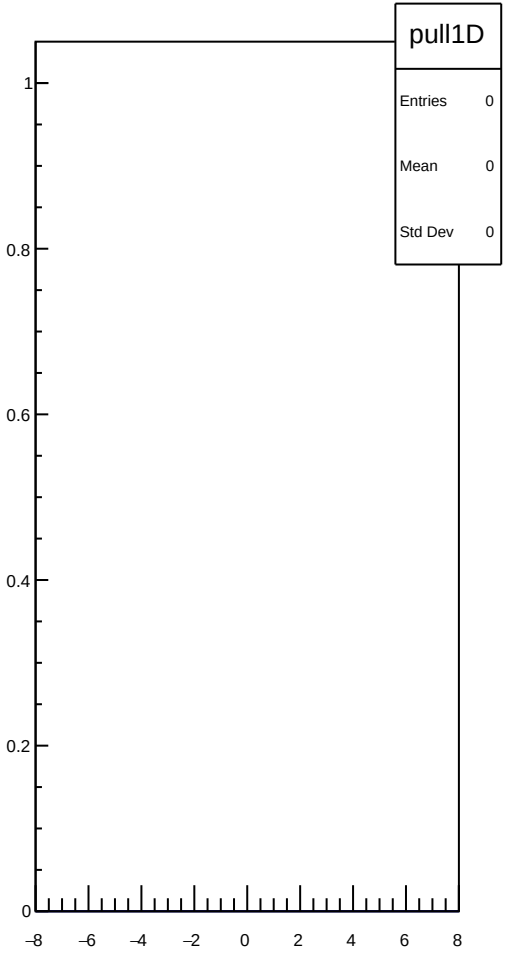

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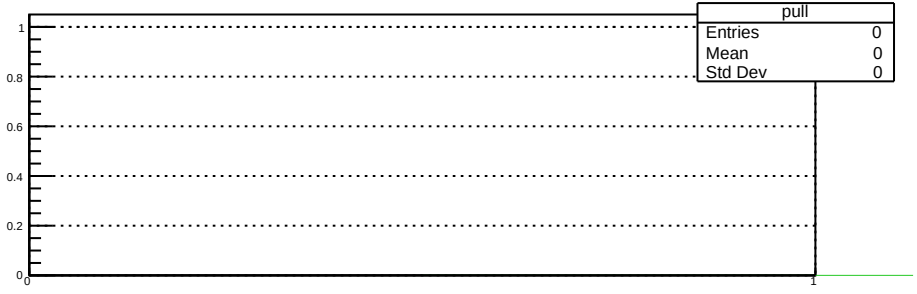

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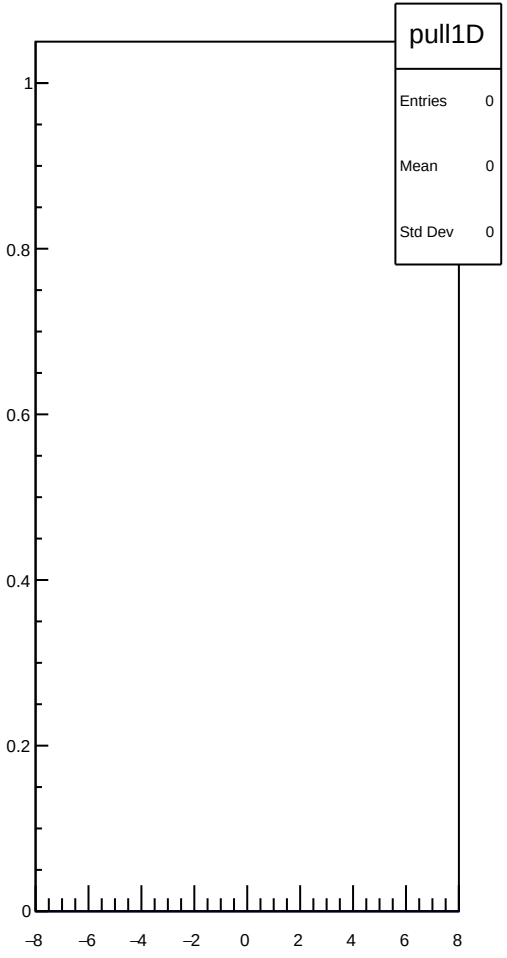

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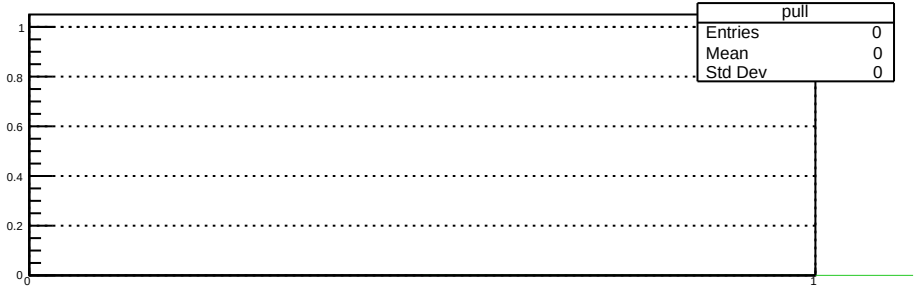

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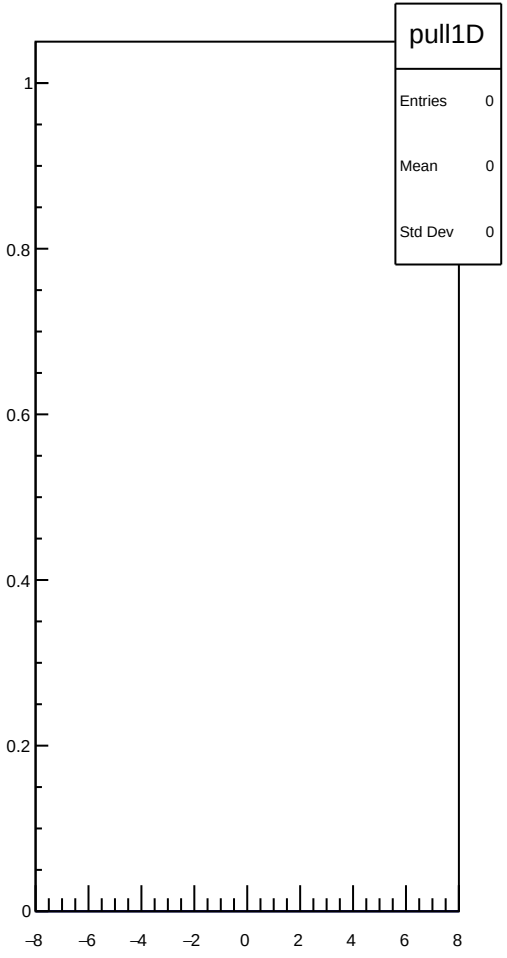

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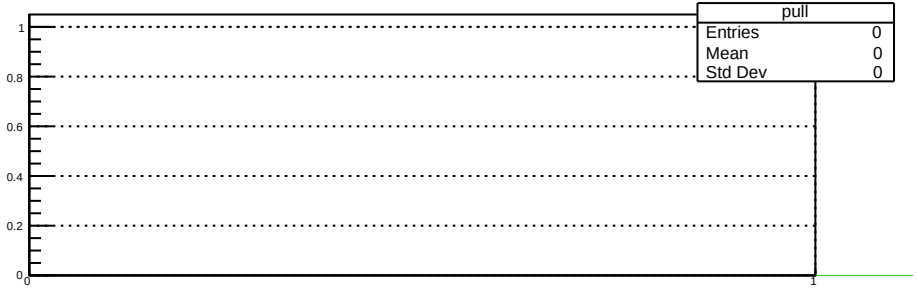

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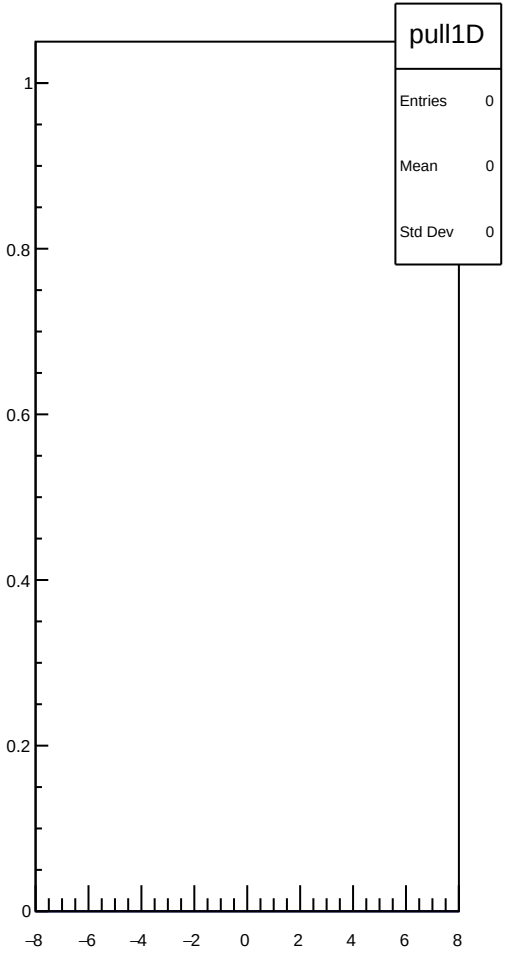

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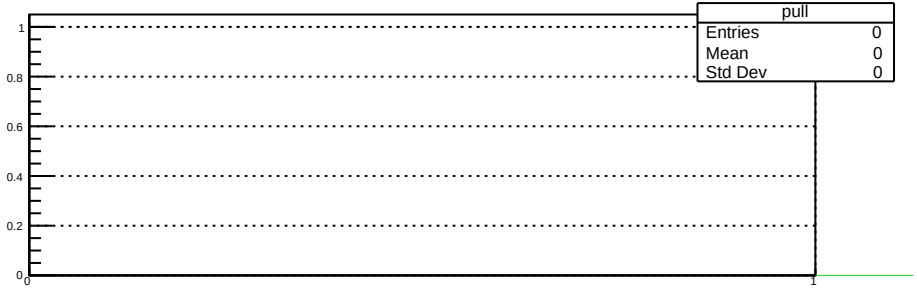

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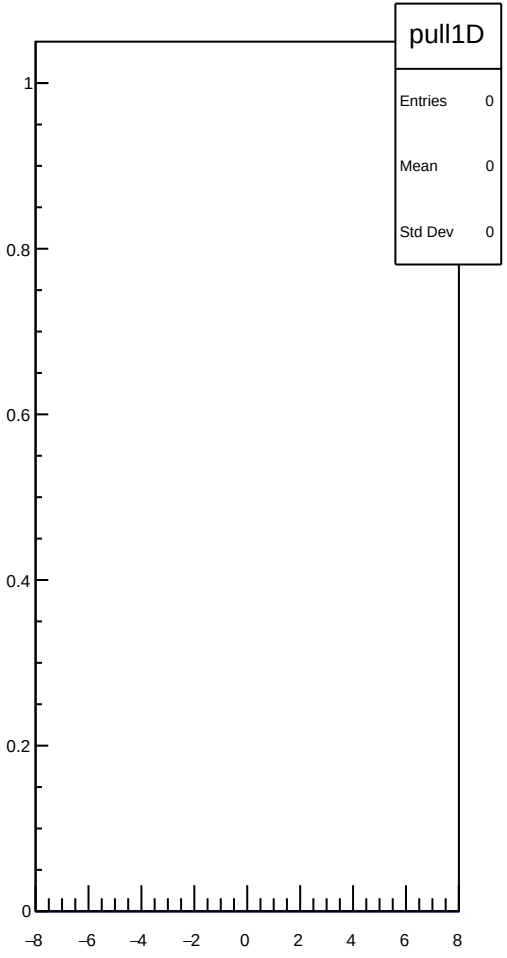

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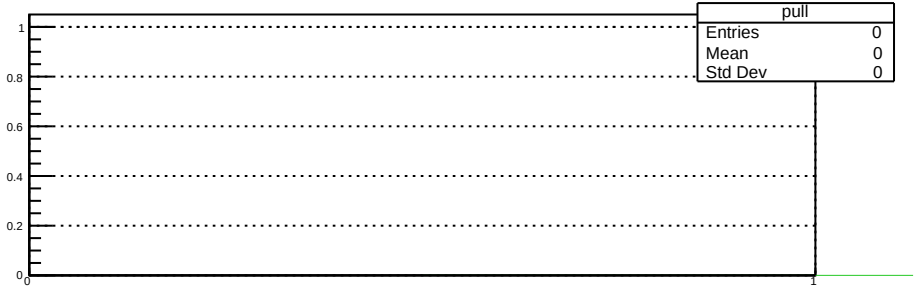

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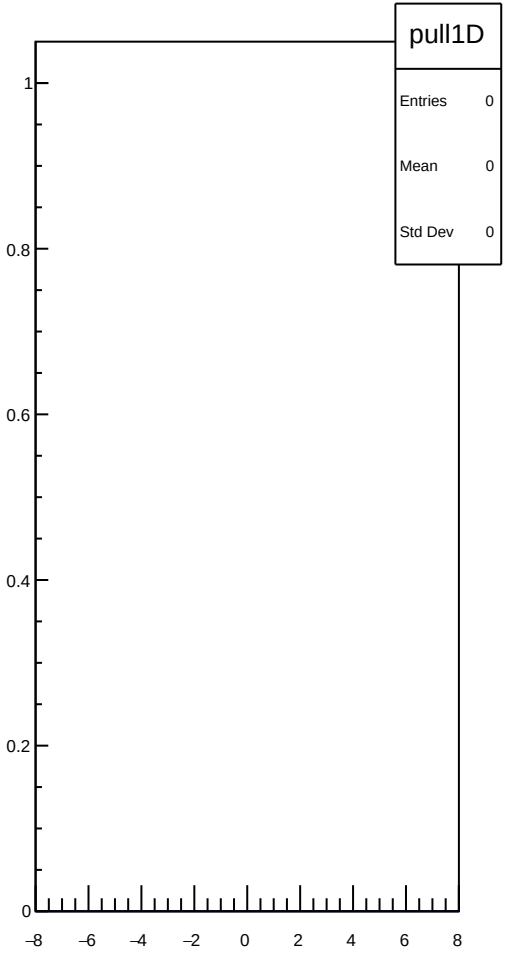

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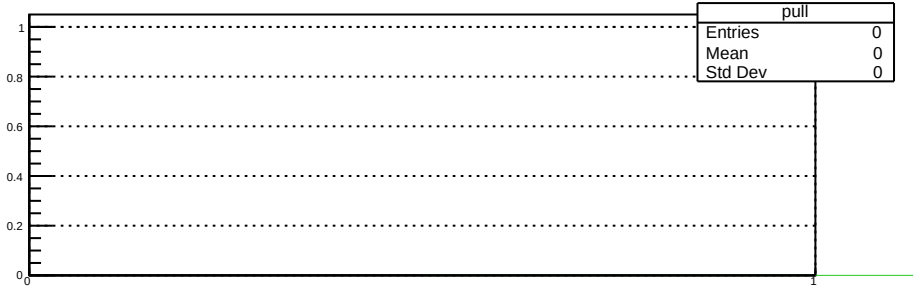

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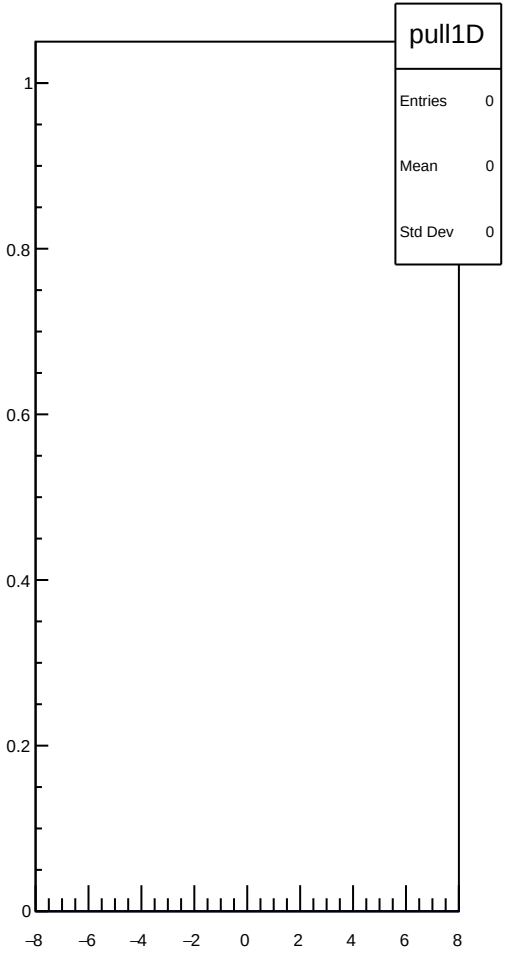

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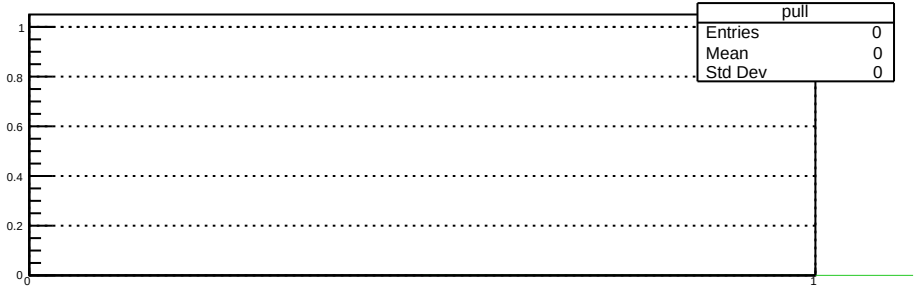

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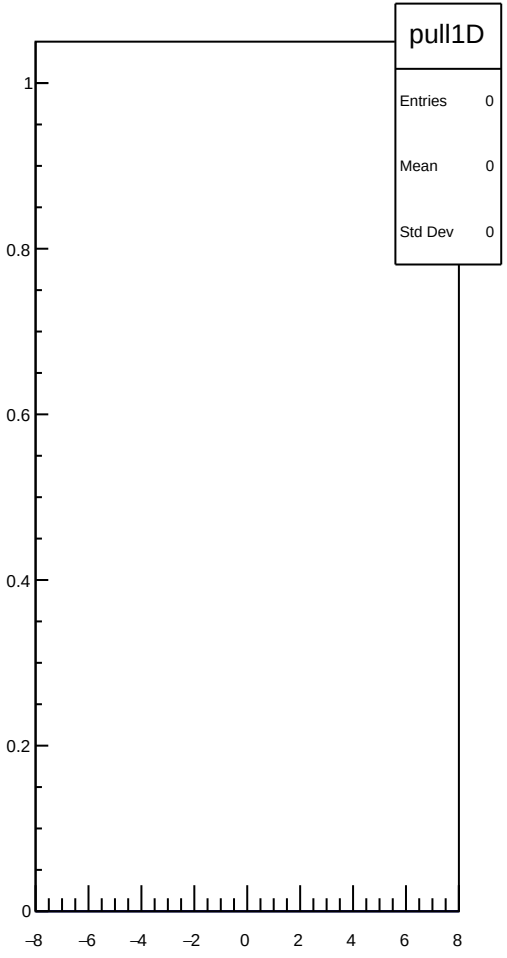

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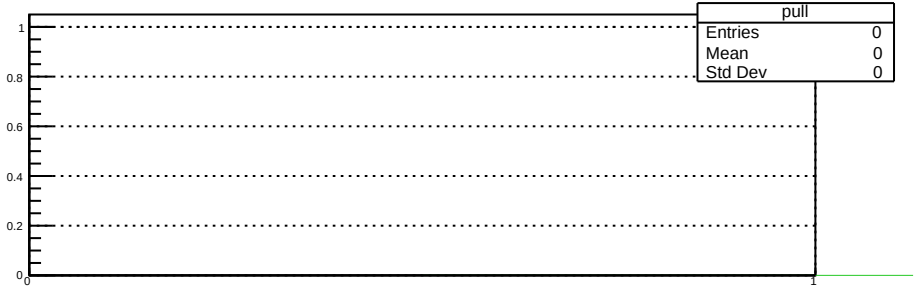

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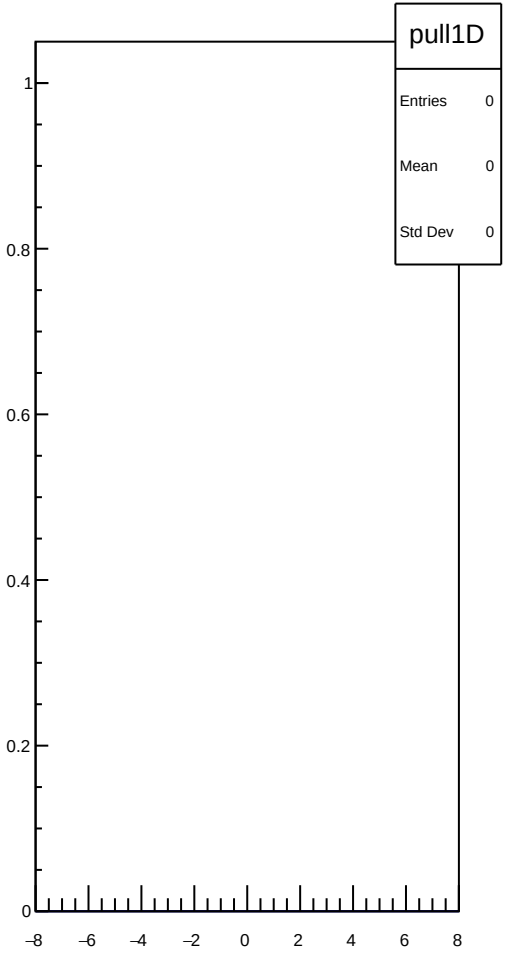

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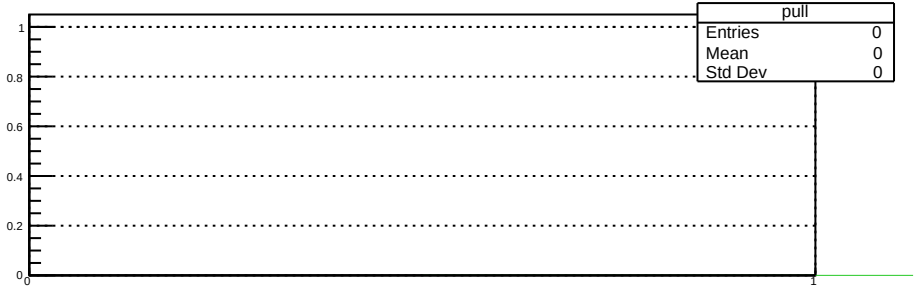

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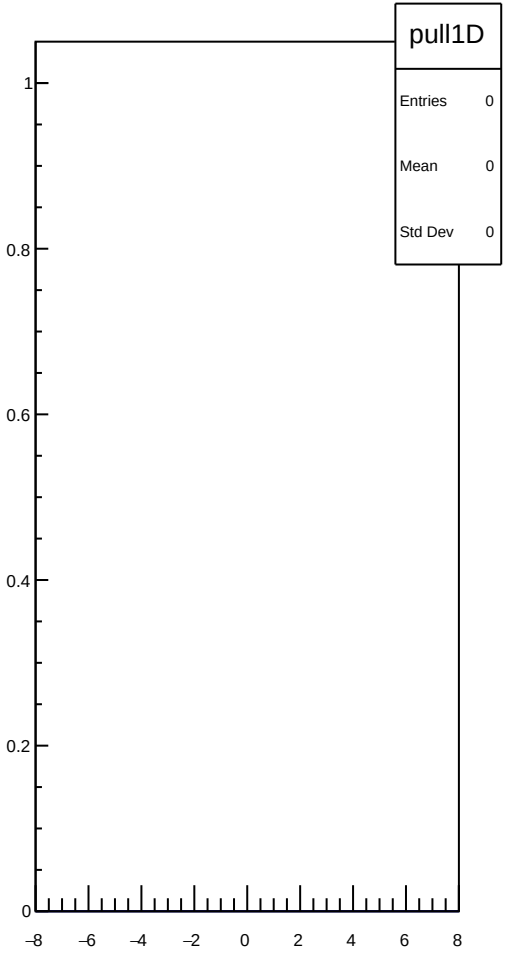

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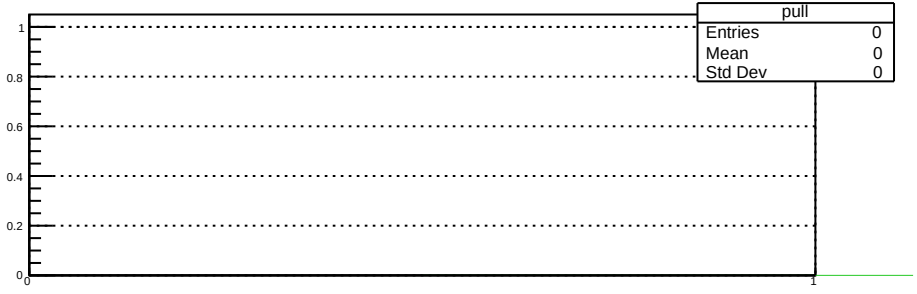

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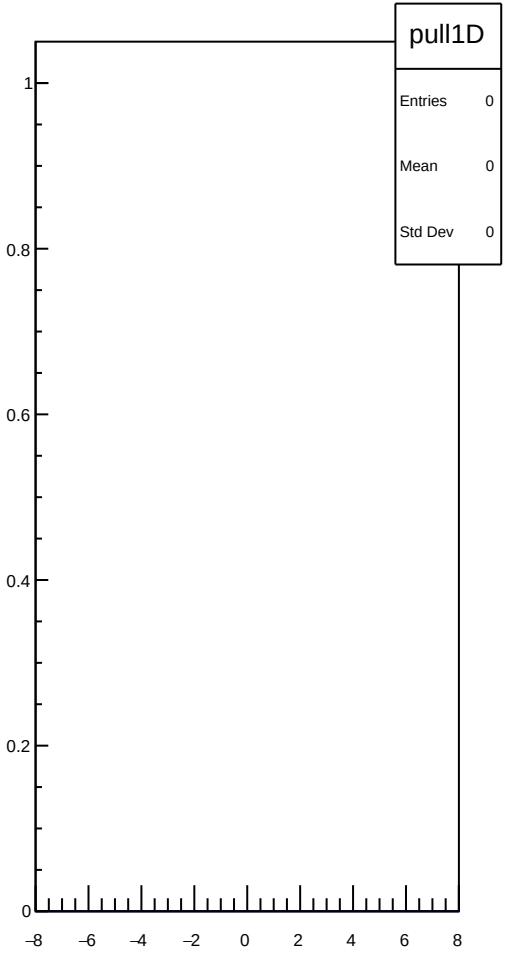

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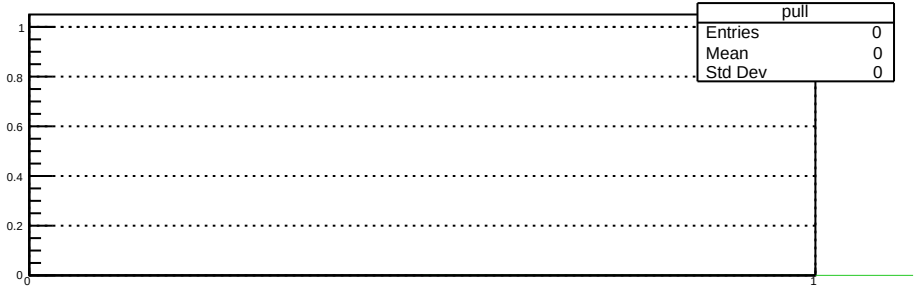

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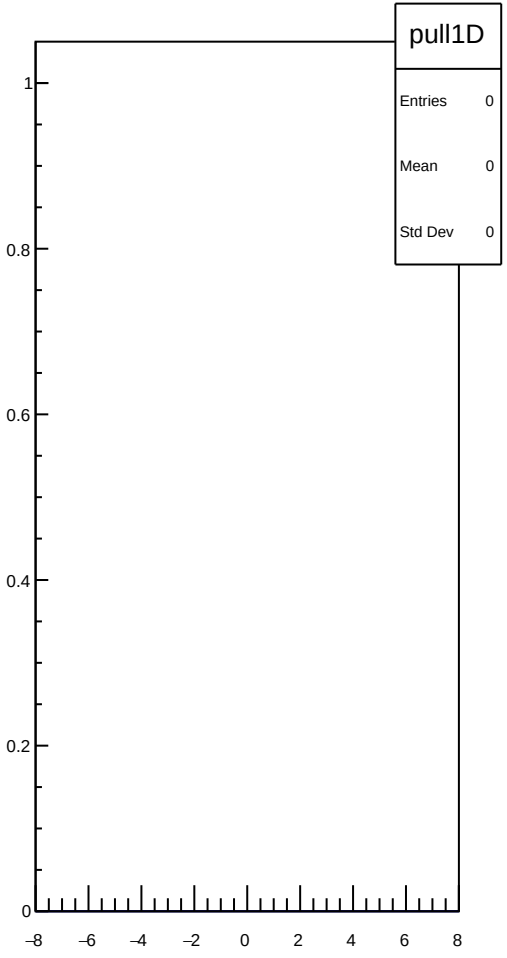

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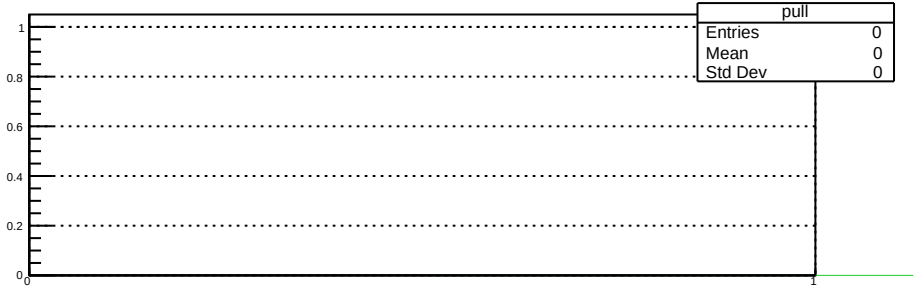

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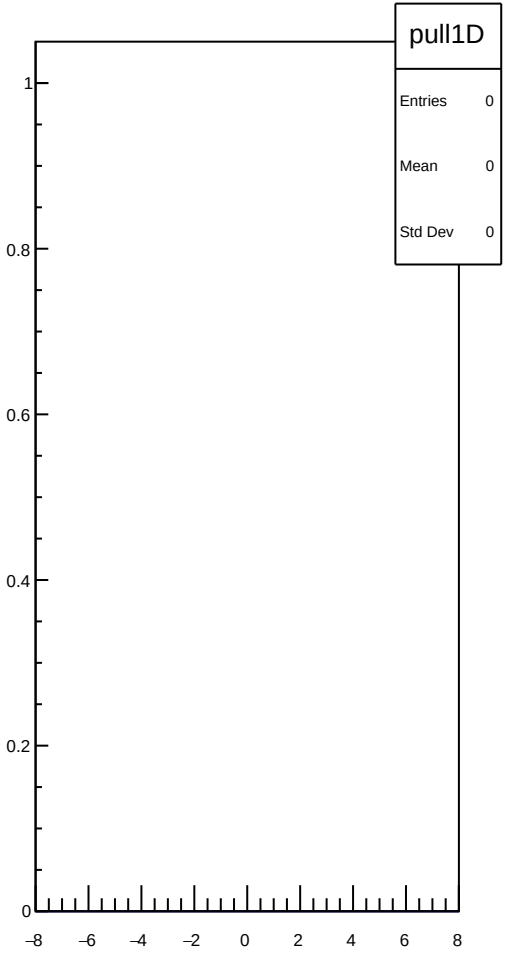

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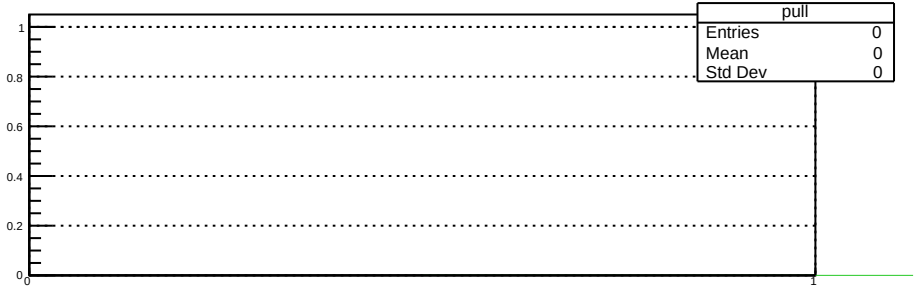

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Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–4
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8

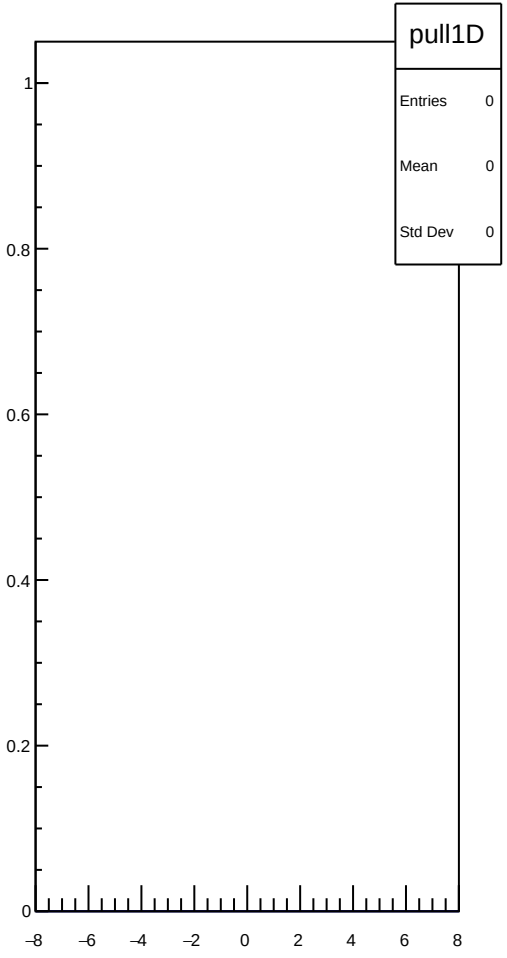

pull
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Std Dev 0
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0.6
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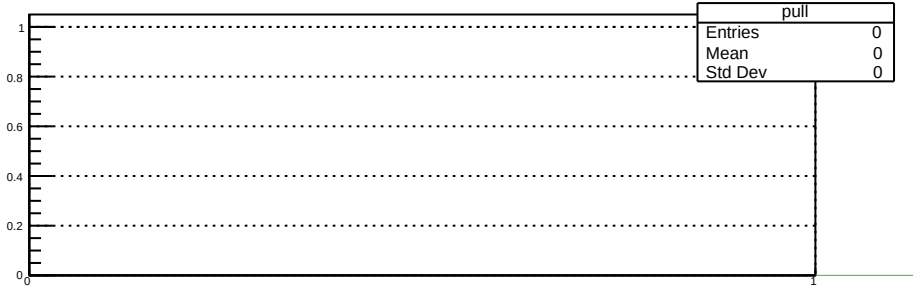

pull1D
Entries 0
Mean 0
Std Dev 0
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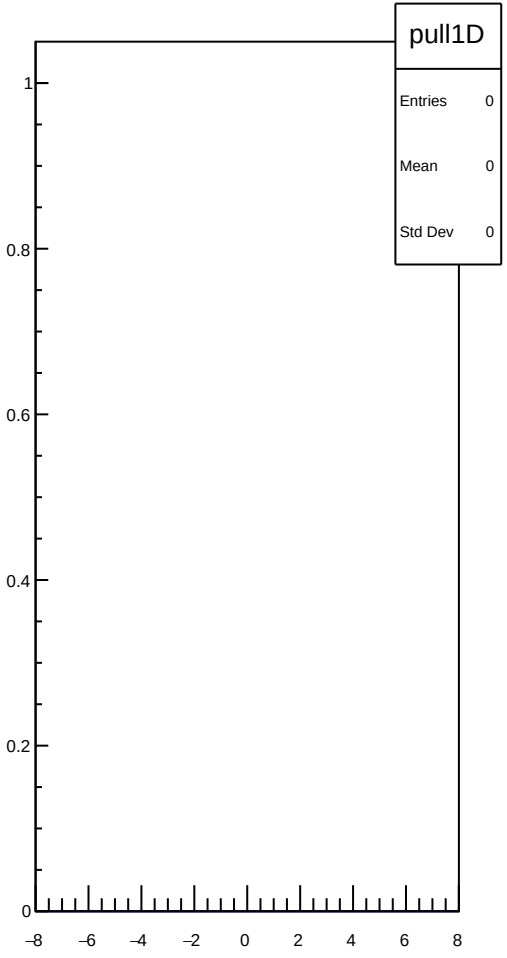

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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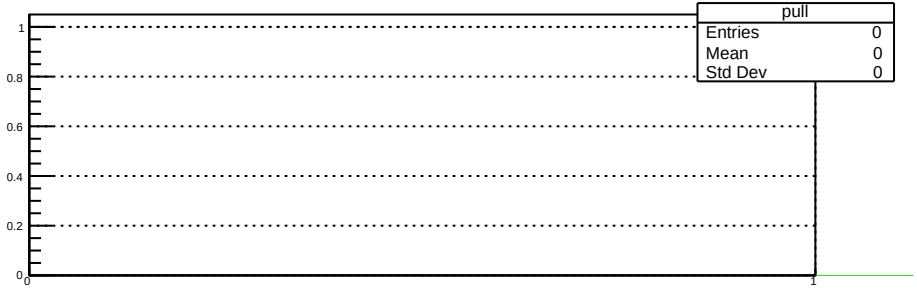

pull1D
Entries 0
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Std Dev 0
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6
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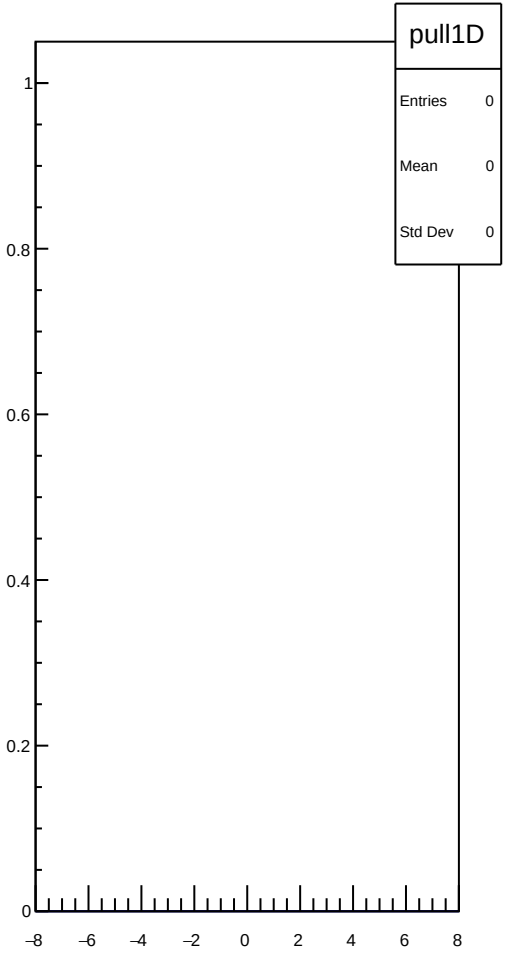

pull
Entries 0
Mean 0
Std Dev 0
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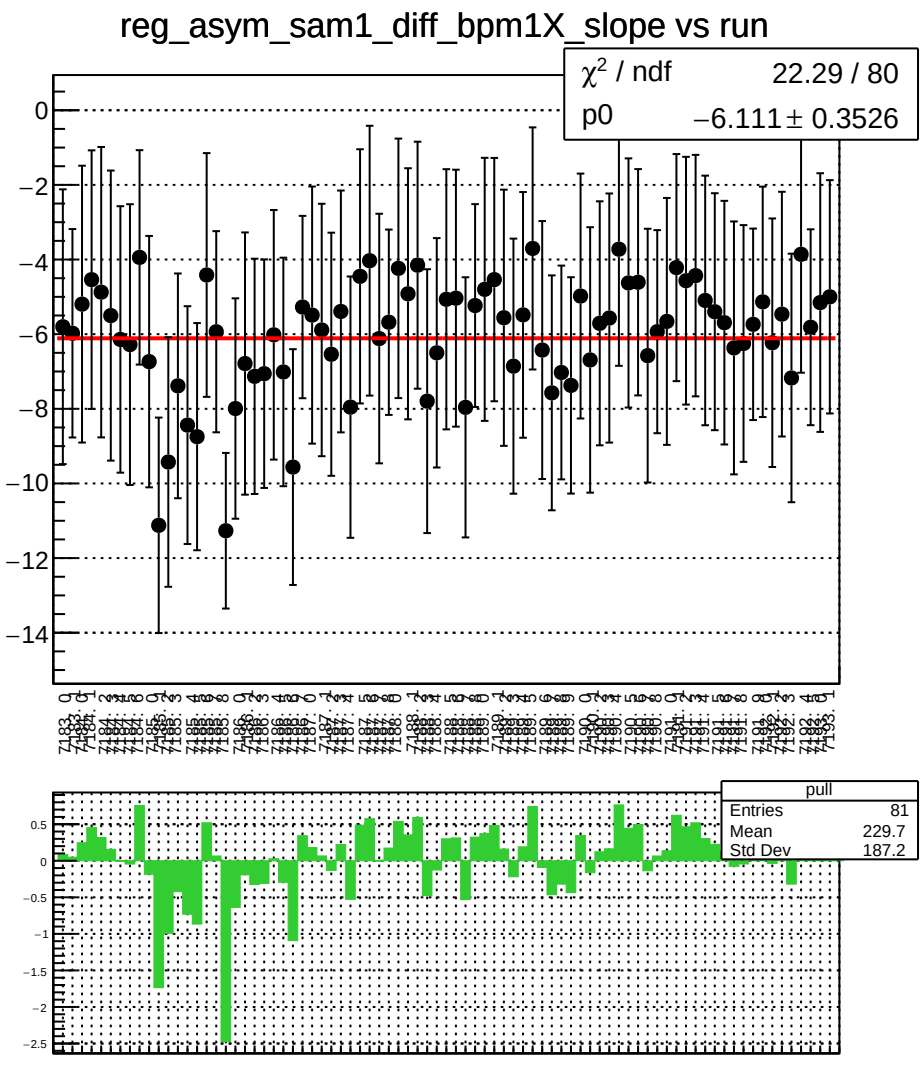

pull1D
Entries 0
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Std Dev 0
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6
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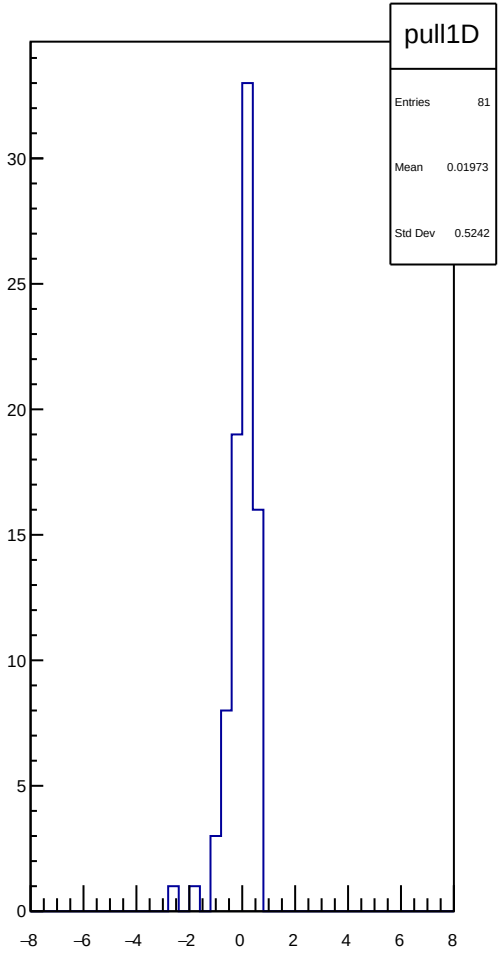

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
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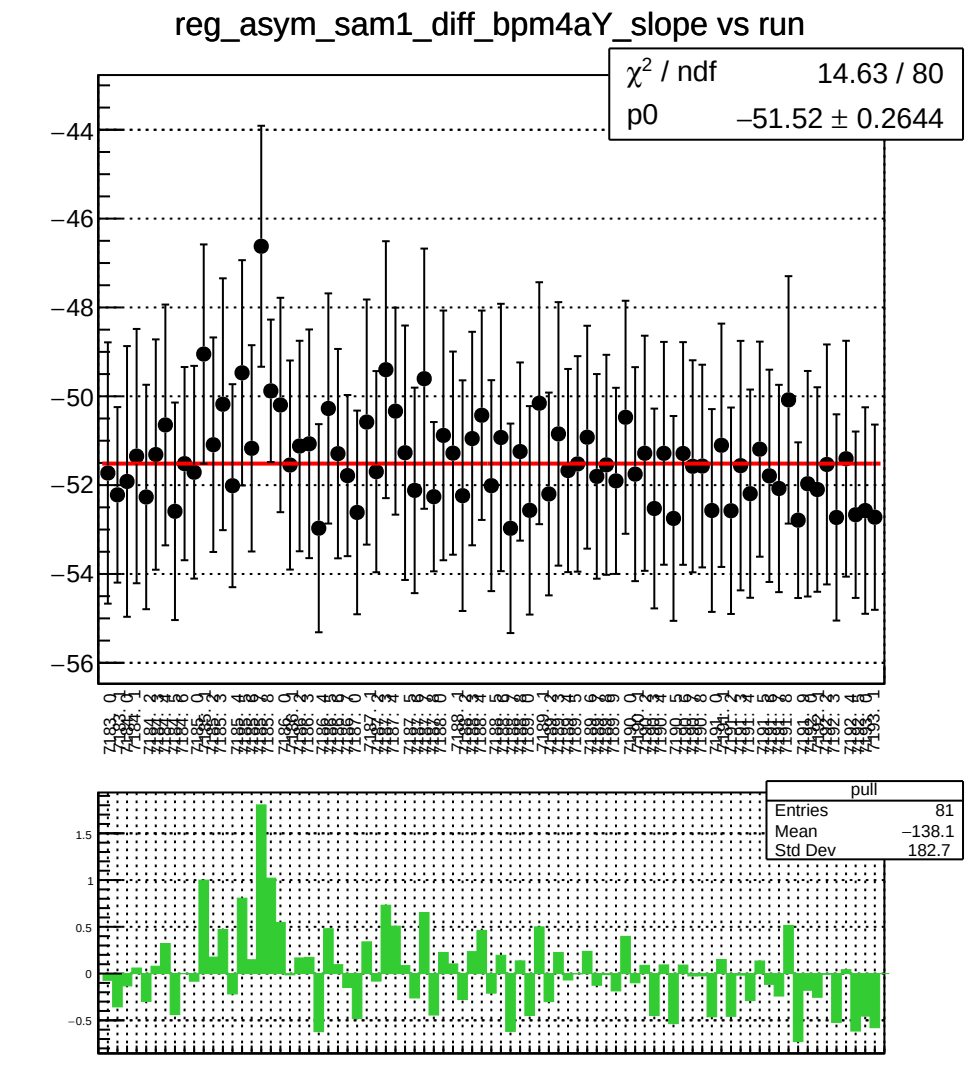

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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2
4
6
8

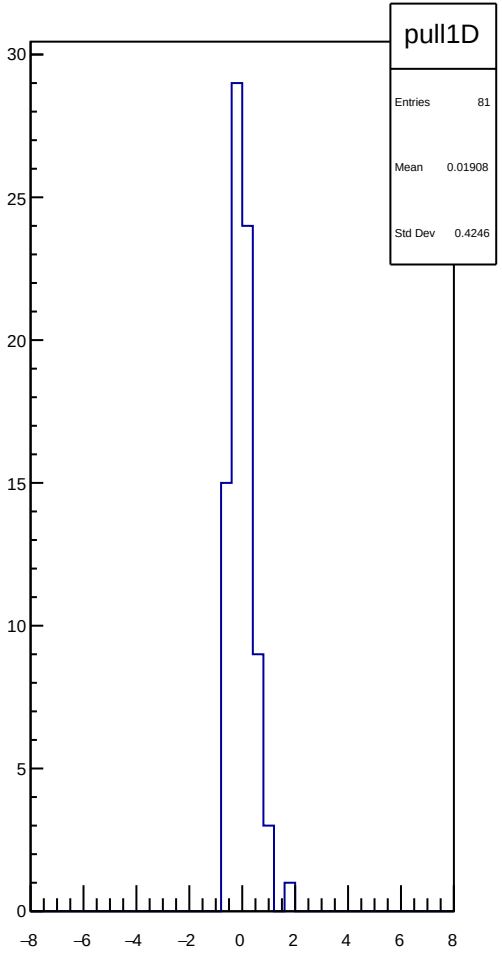

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

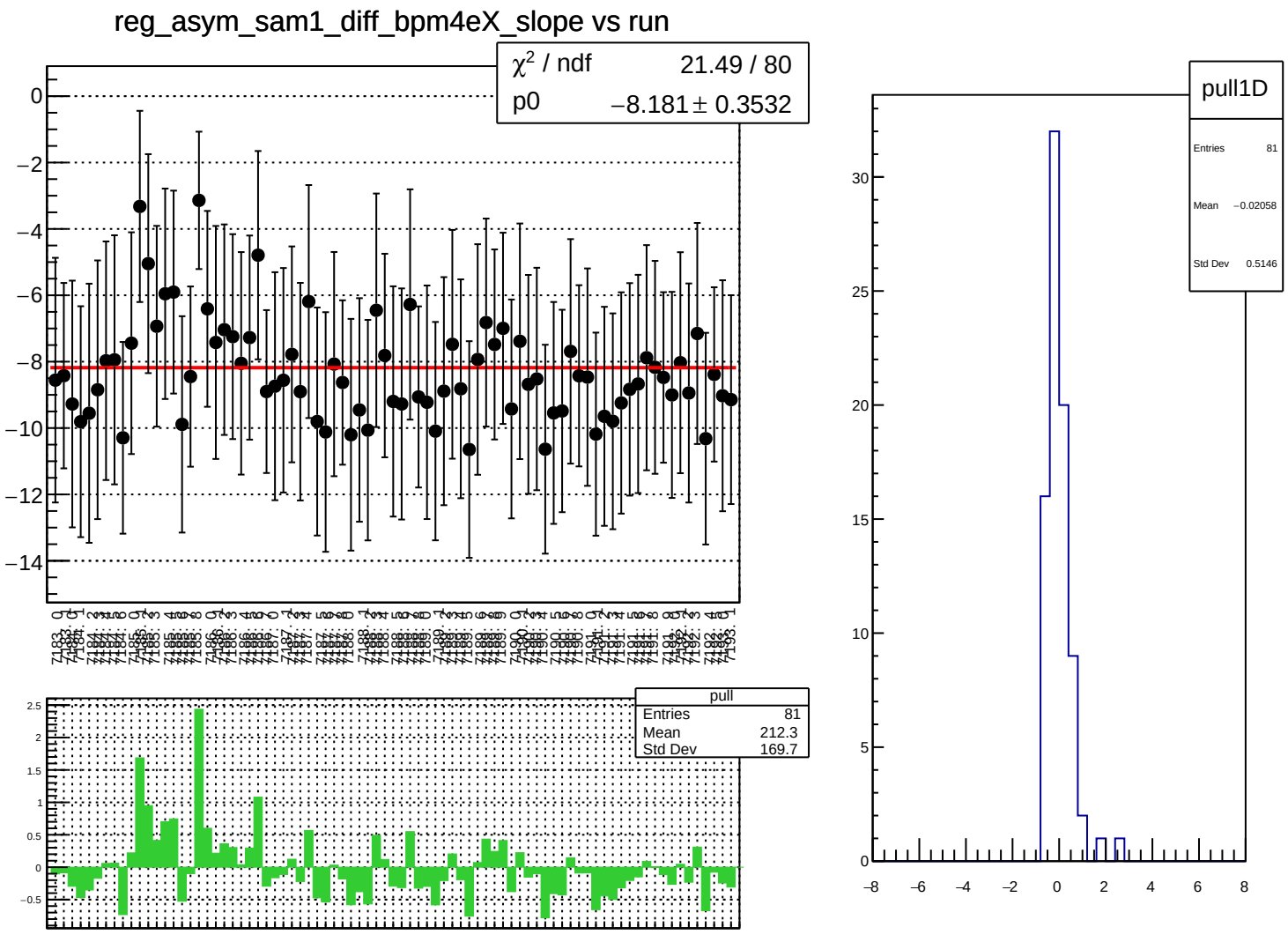

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–2
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2
4
6
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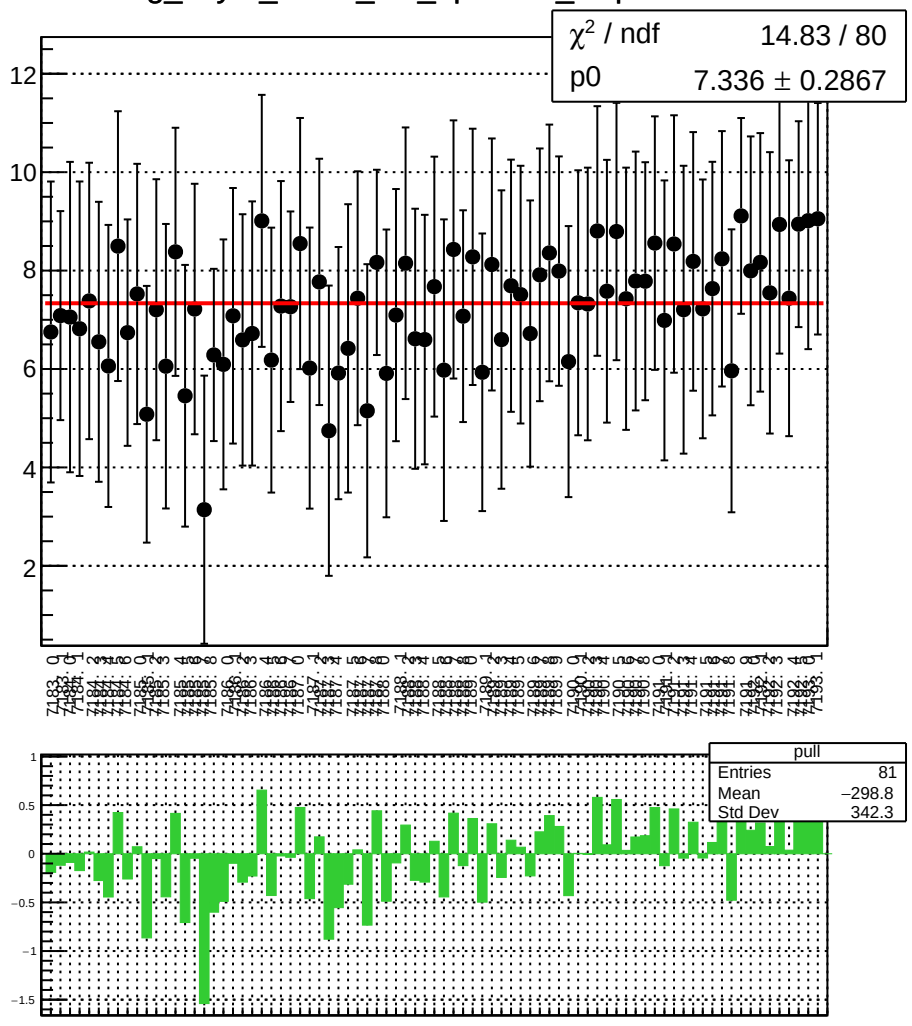

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 22.29 / 80
p0 −6.111 ± 0.3526
pull
Entries 81
Mean 229.7
Std Dev 187.2

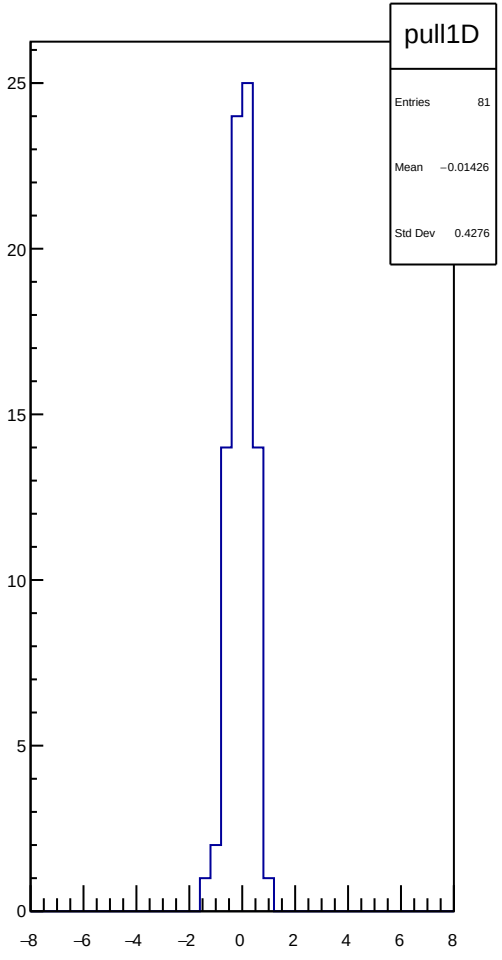

pull1D
Entries 81
Mean 0.01973
Std Dev 0.5242

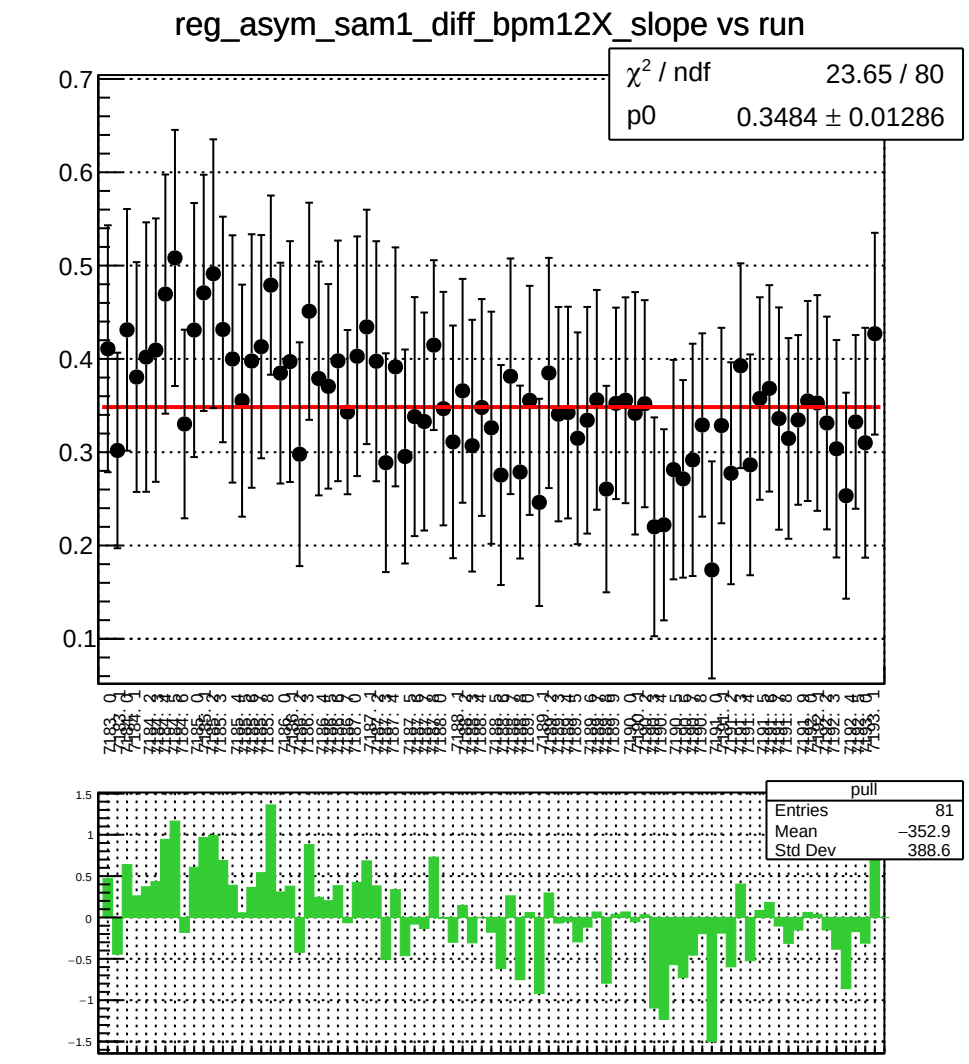

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 14.63 / 80
p0 −51.52 ± 0.2644
pull
Entries 81
Mean −138.1
Std Dev 182.7

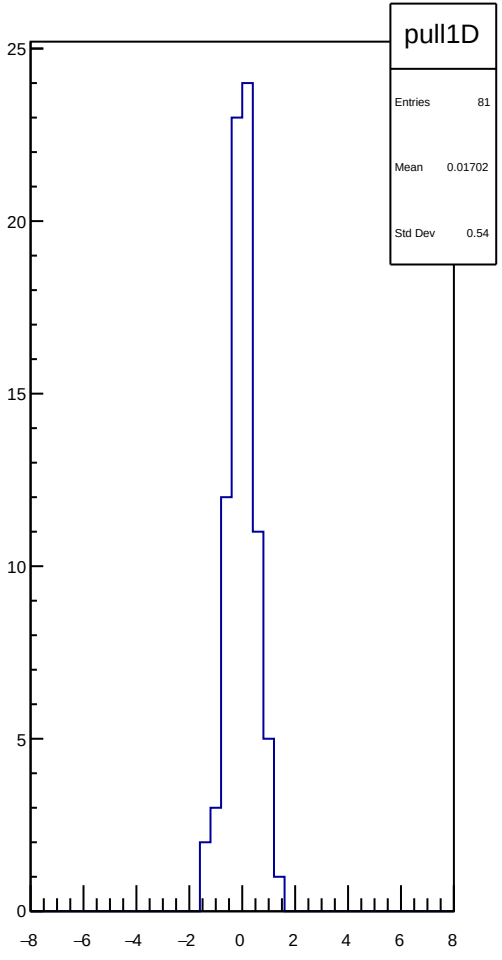

pull1D
Entries 81
Mean 0.01908
Std Dev 0.4246

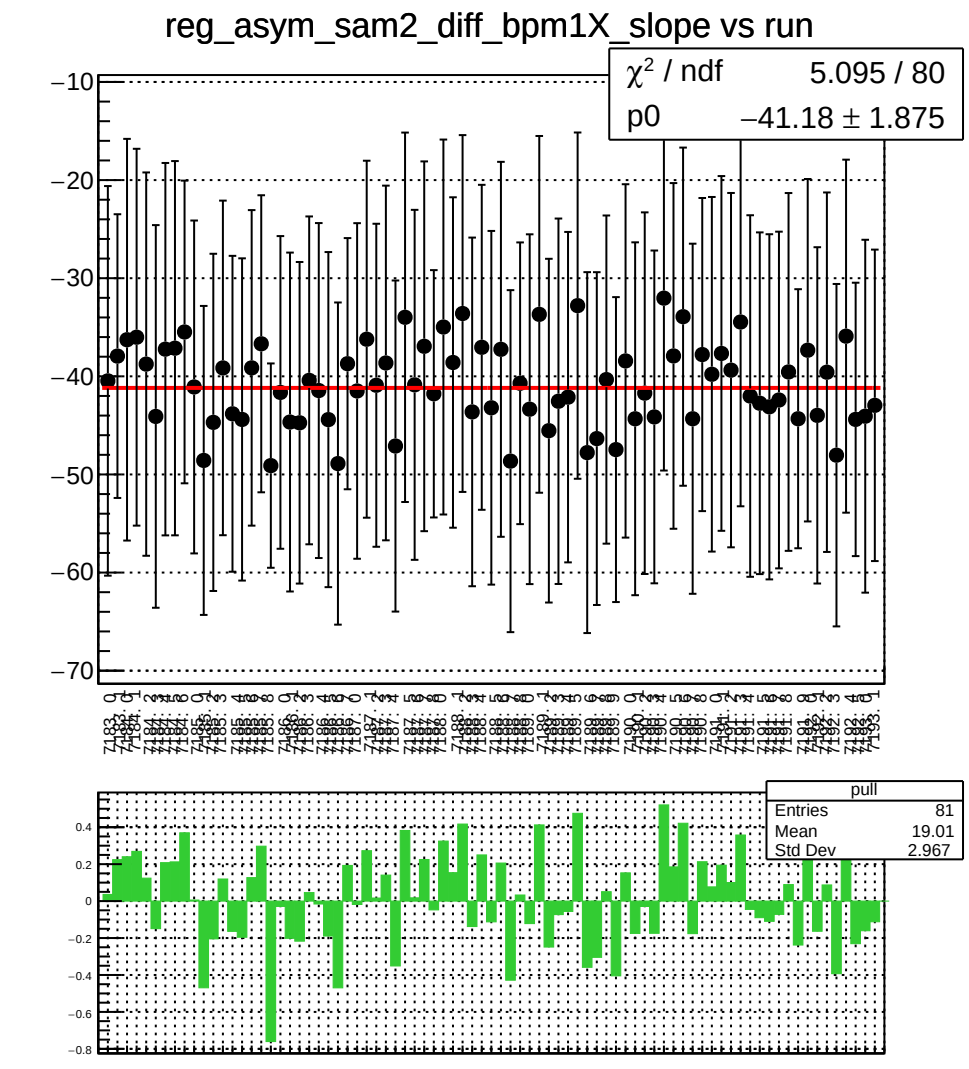

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 21.49 / 80
p0 −8.181 ± 0.3532
pull
Entries 81
Mean 212.3
Std Dev 169.7
pull1D
Entries 81
Mean −0.02058
Std Dev 0.5146

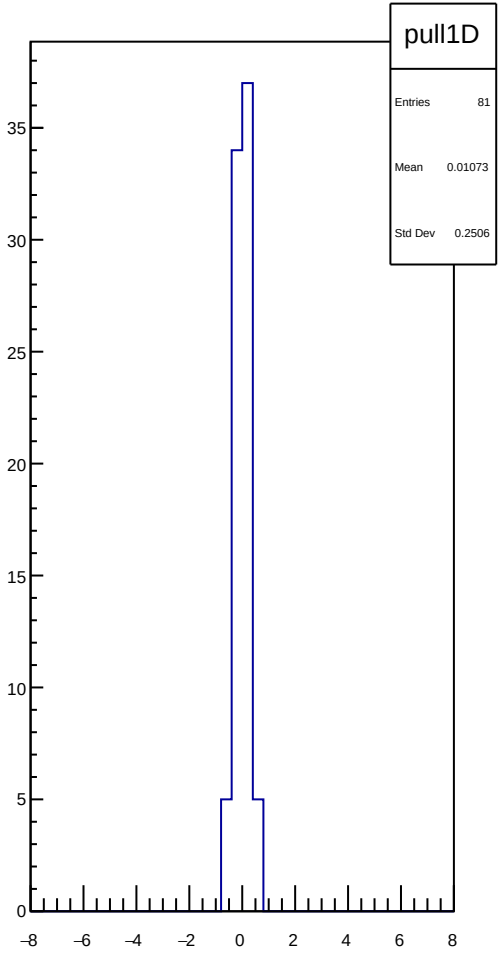

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 14.83 / 80
p0 7.336 ± 0.2867
pull
Entries 81
Mean −298.8
Std Dev 342.3

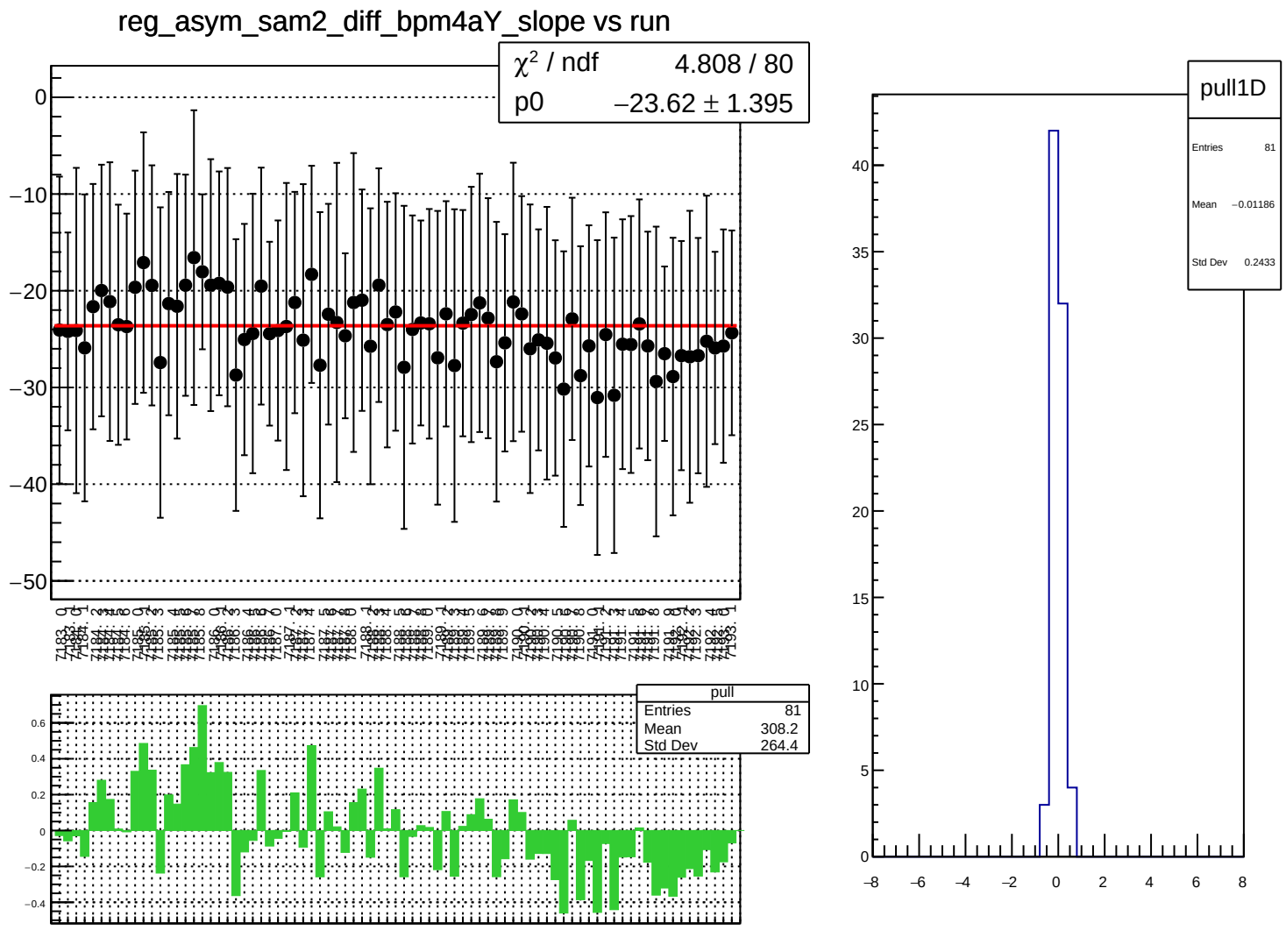

pull1D
Entries 81
Mean −0.01426
Std Dev 0.4276

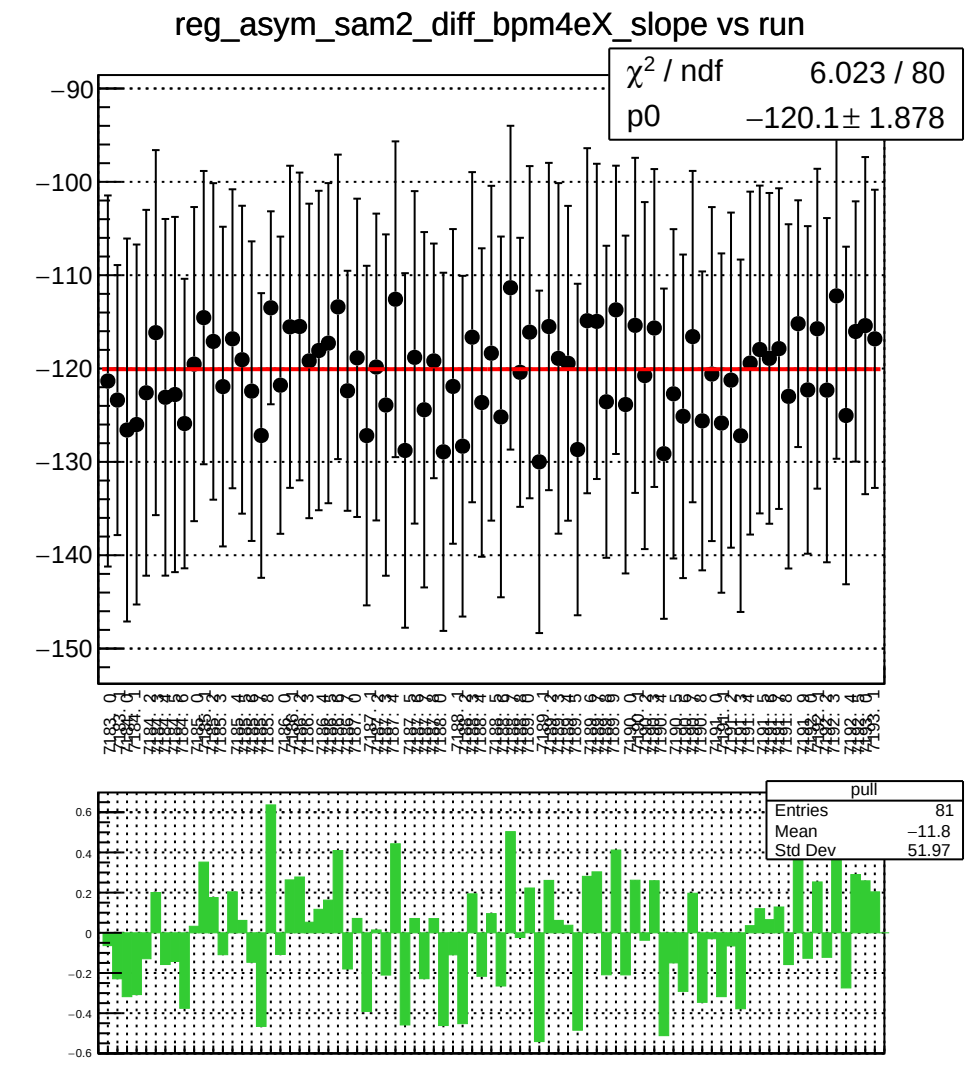

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 23.65 / 80
p0 0.3484 ± 0.01286
pull
Entries 81
Mean −352.9
Std Dev 388.6

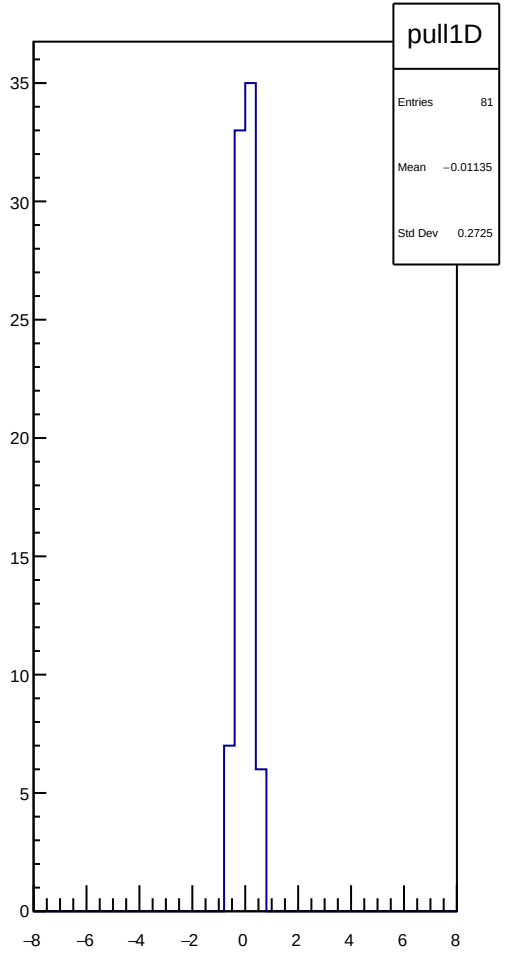

pull1D
Entries 81
Mean 0.01702
Std Dev 0.54

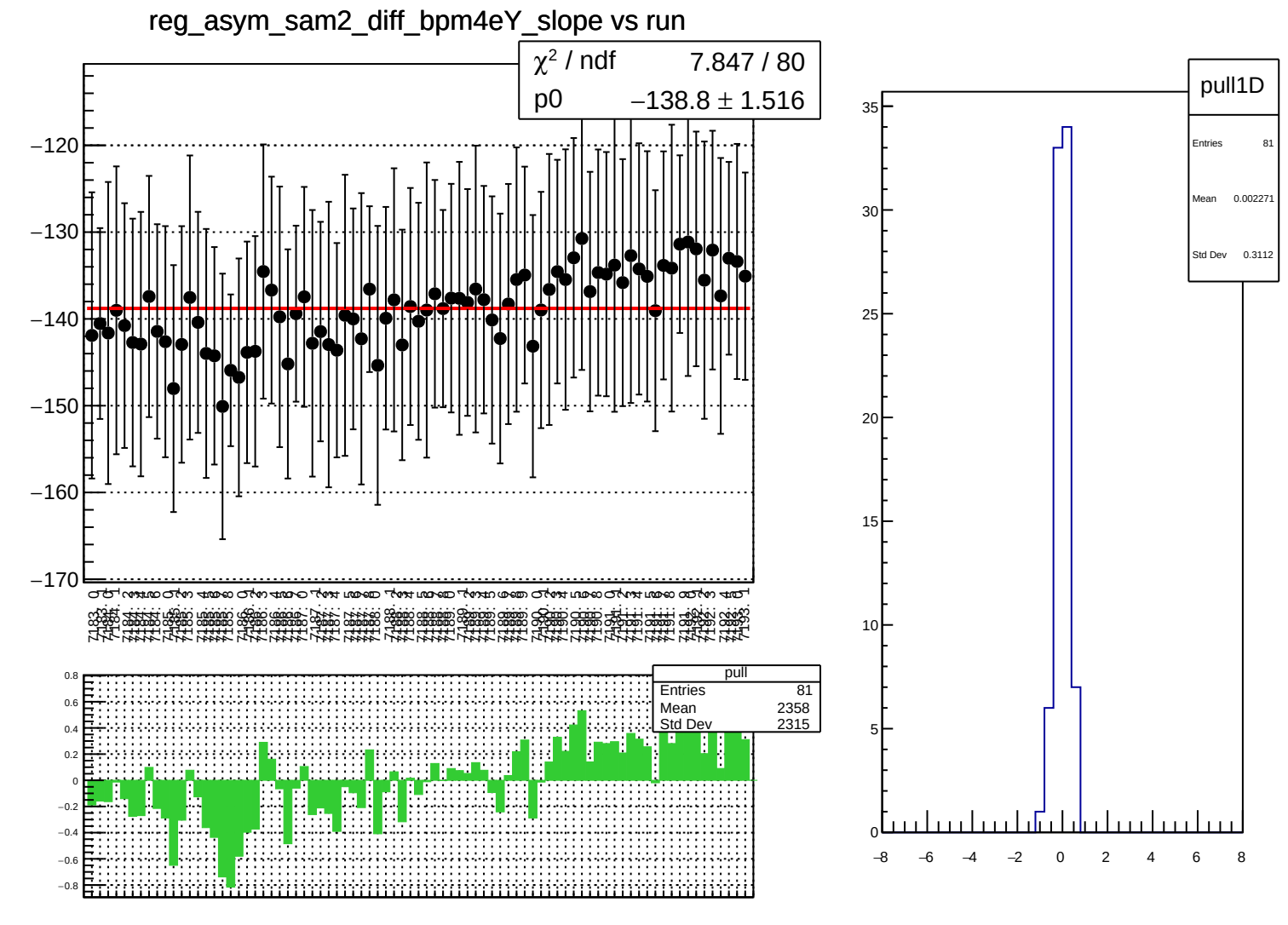

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 5.095 / 80
p0 −41.18 ± 1.875
pull
Entries 81
Mean 19.01
Std Dev 2.967

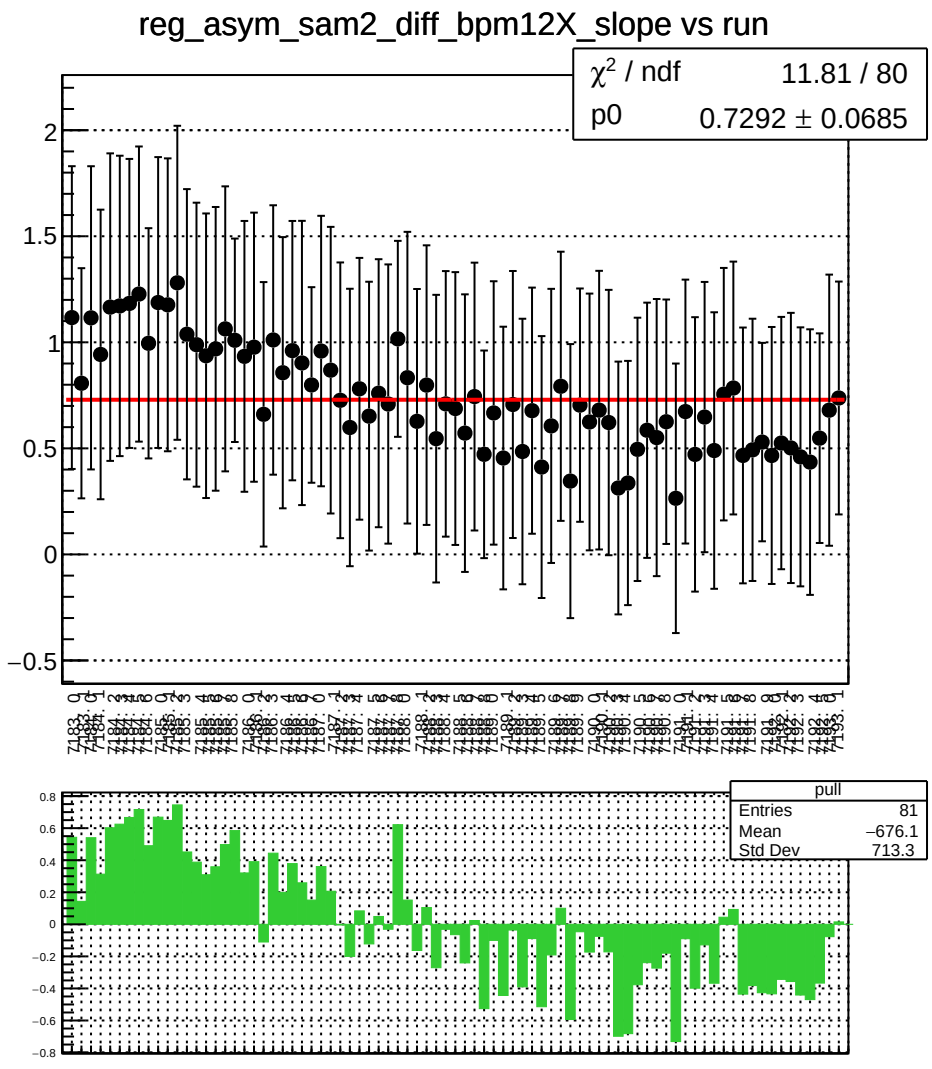

pull1D
Entries 81
Mean 0.01073
Std Dev 0.2506

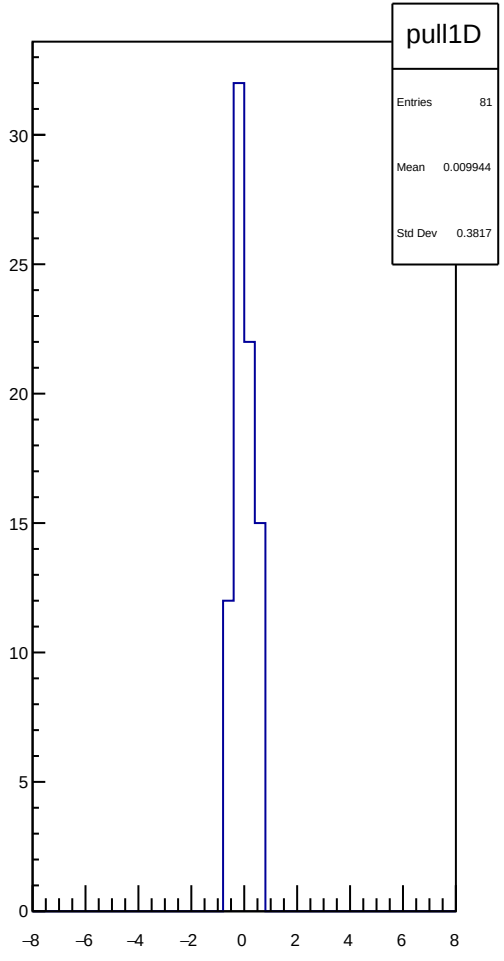

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 4.808 / 80
p0 −23.62 ± 1.395
pull
Entries 81
Mean 308.2
Std Dev 264.4
pull1D
Entries 81
Mean −0.01186
Std Dev 0.2433

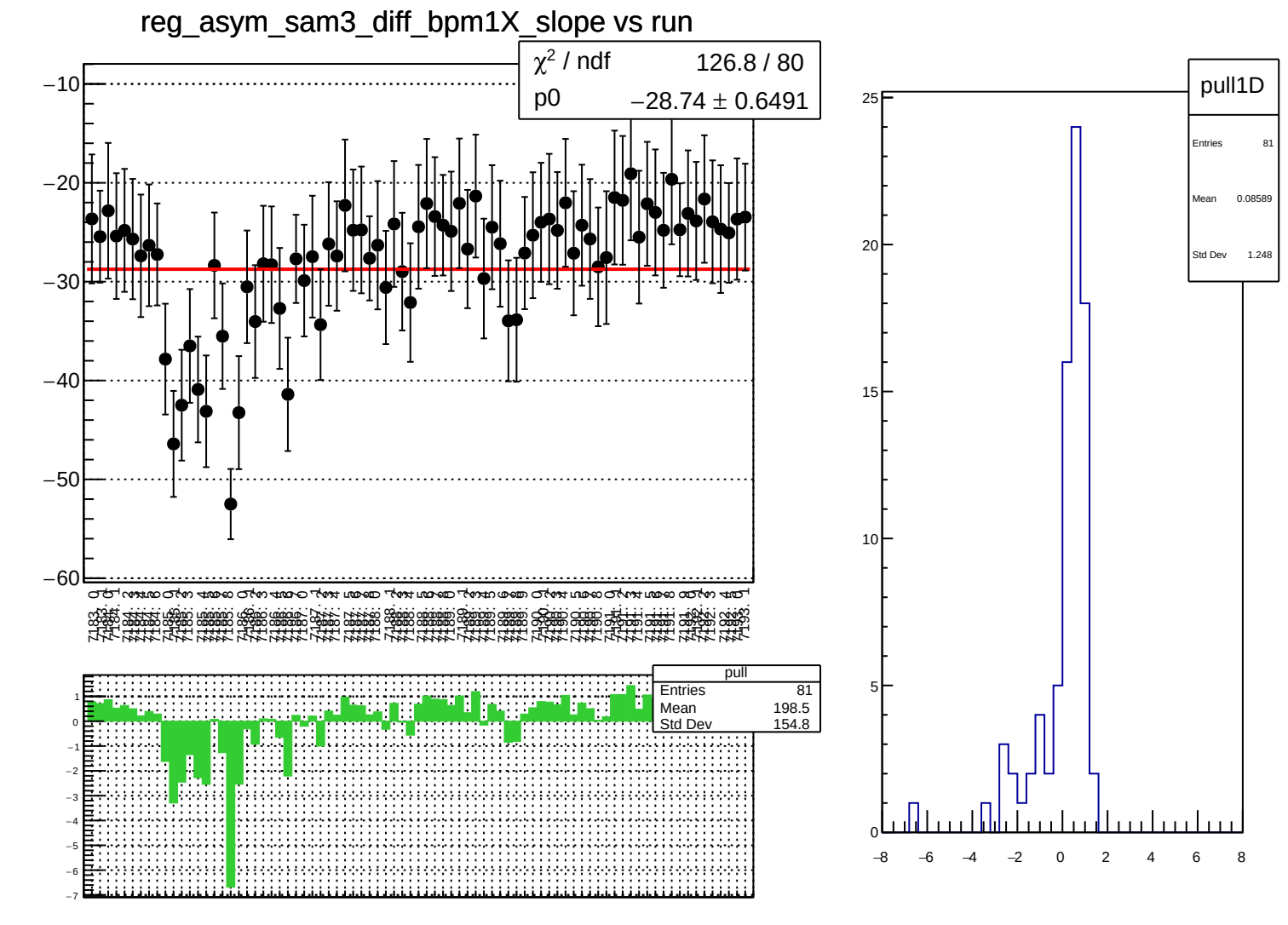

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 6.023 / 80
p0 −120.1± 1.878
−90
−100
−110
−120
−130
−140
−150
pull
Entries 81
Mean −11.8
Std Dev 51.97
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

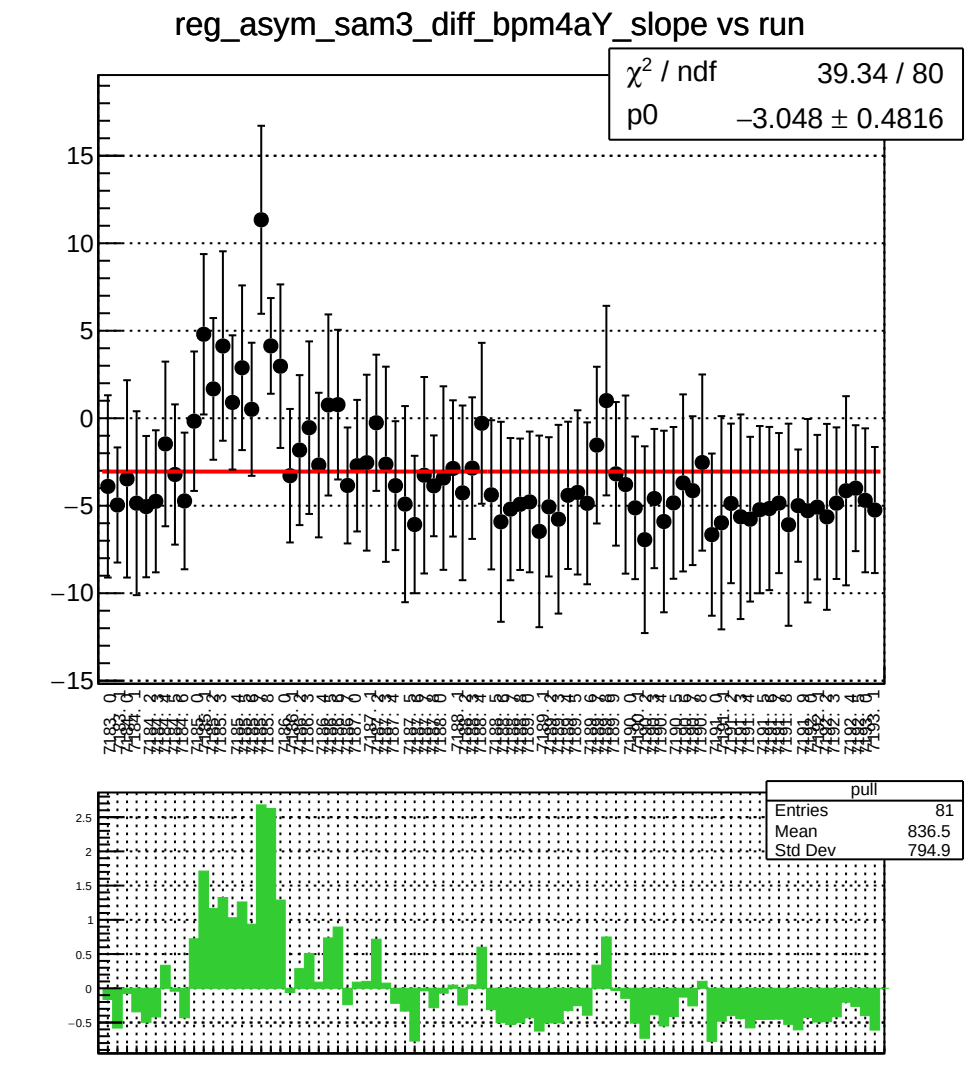

pull1D
Entries 81
Mean −0.01135
Std Dev 0.2725
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

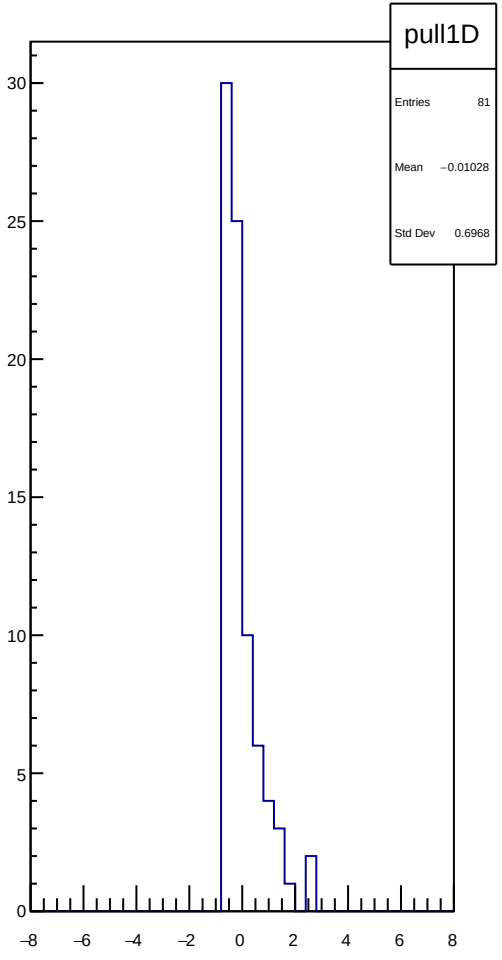

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 7.847 / 80
p0 −138.8 ± 1.516
−120
−130
−140
−150
−160
−170
pull
Entries 81
Mean 2358
Std Dev 2315
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 81
Mean 0.002271
Std Dev 0.3112
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30
25
20
15
10
5
0
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−6
−4
−2
0
2
4
6
8

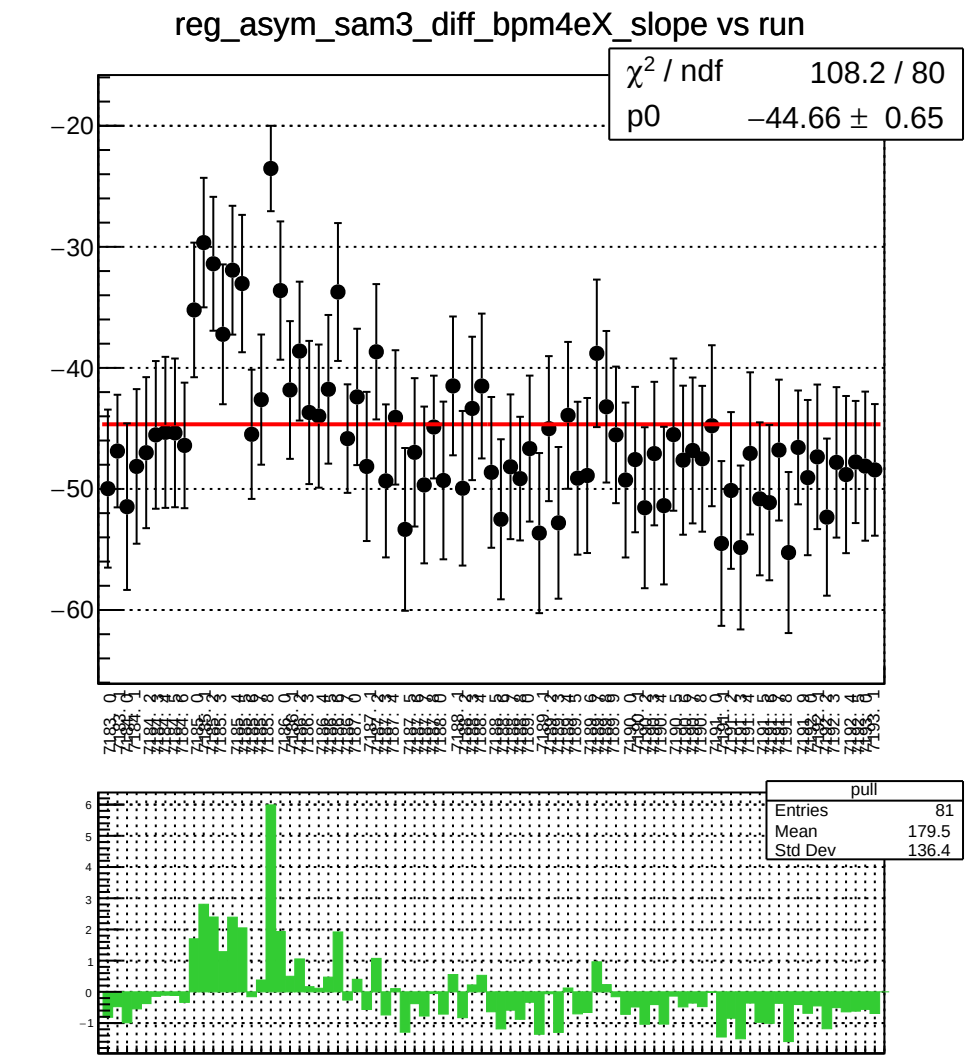

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 11.81 / 80
p0 0.7292 ± 0.0685
pull
Entries 81
Mean −676.1
Std Dev 713.3

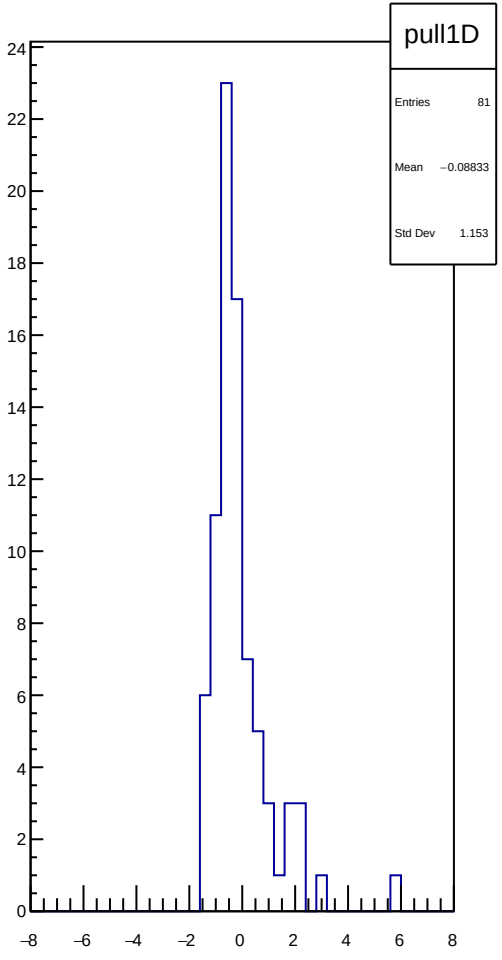

pull1D
Entries 81
Mean 0.009944
Std Dev 0.3817

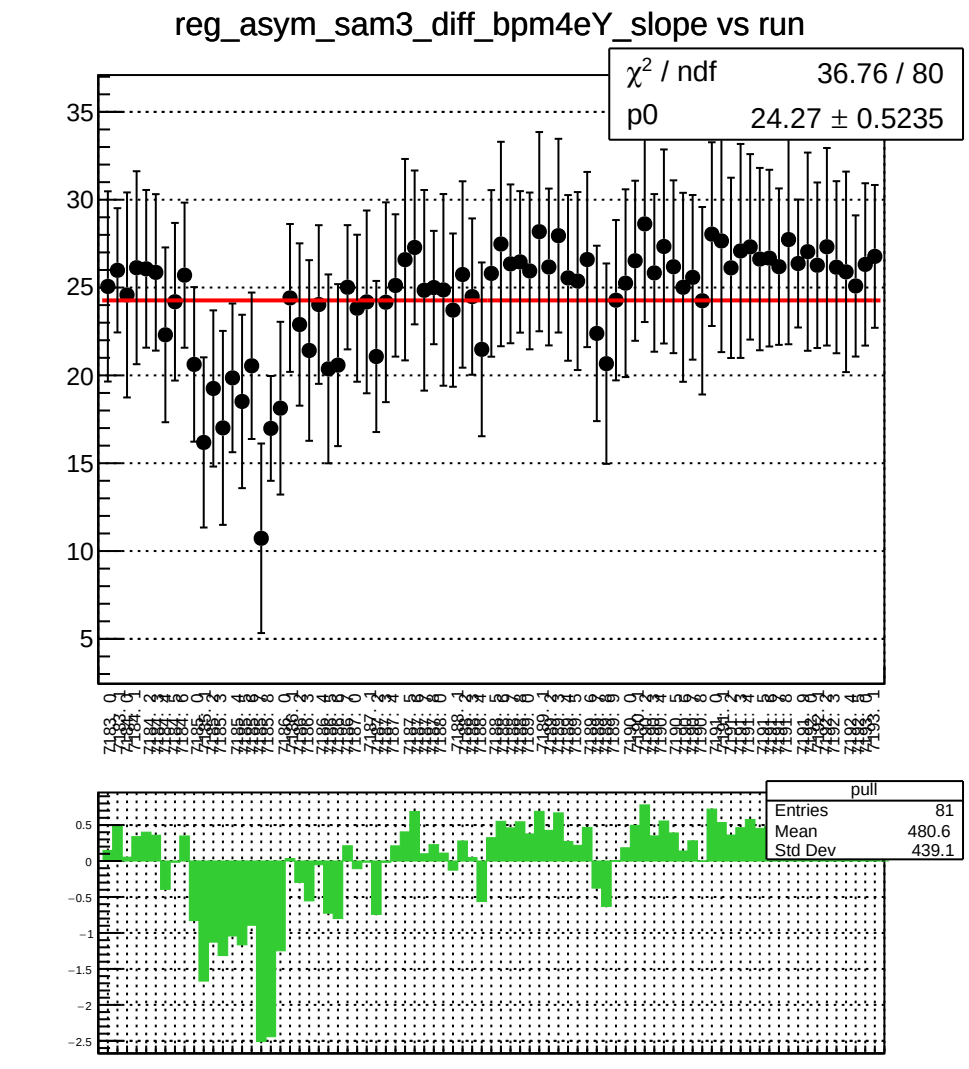

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 126.8 / 80
p0 −28.74 ± 0.6491
pull
Entries 81
Mean 198.5
Std Dev 154.8
pull1D
Entries 81
Mean 0.08589
Std Dev 1.248

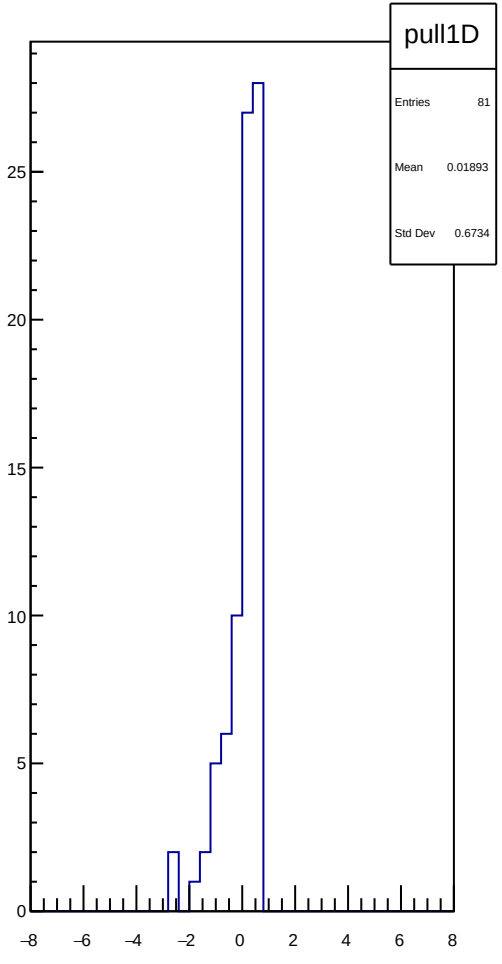

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 39.34 / 80
p0 −3.048 ± 0.4816
pull
Entries 81
Mean 836.5
Std Dev 794.9

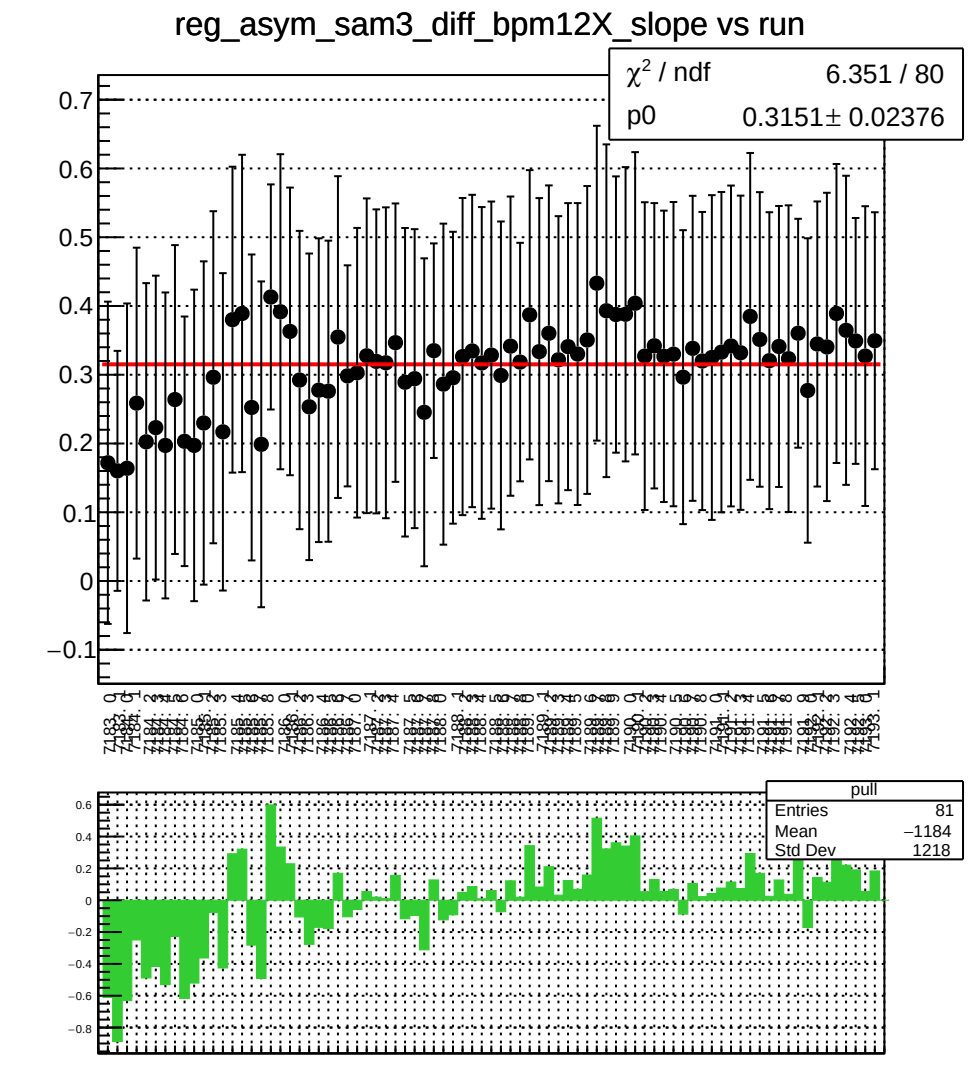

pull1D
Entries 81
Mean −0.01028
Std Dev 0.6968

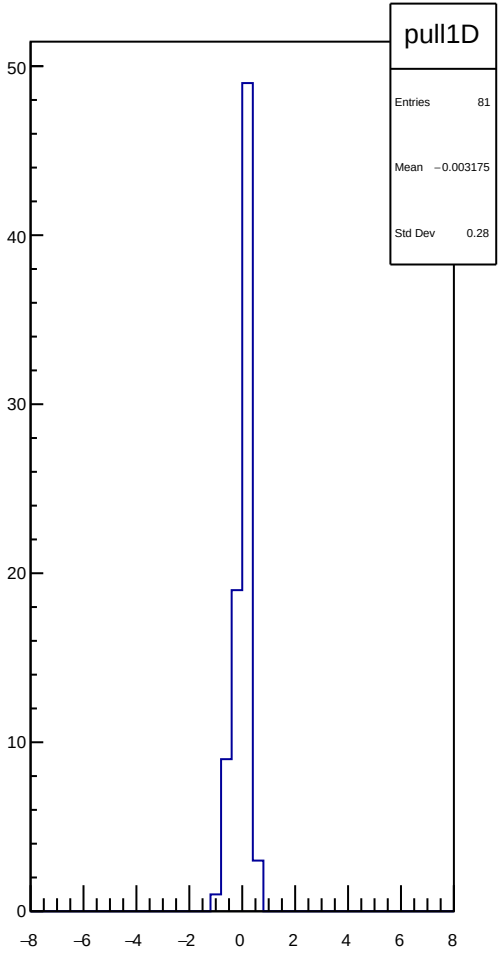

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 108.2 / 80
p0 −44.66 ± 0.65
pull
Entries 81
Mean 179.5
Std Dev 136.4

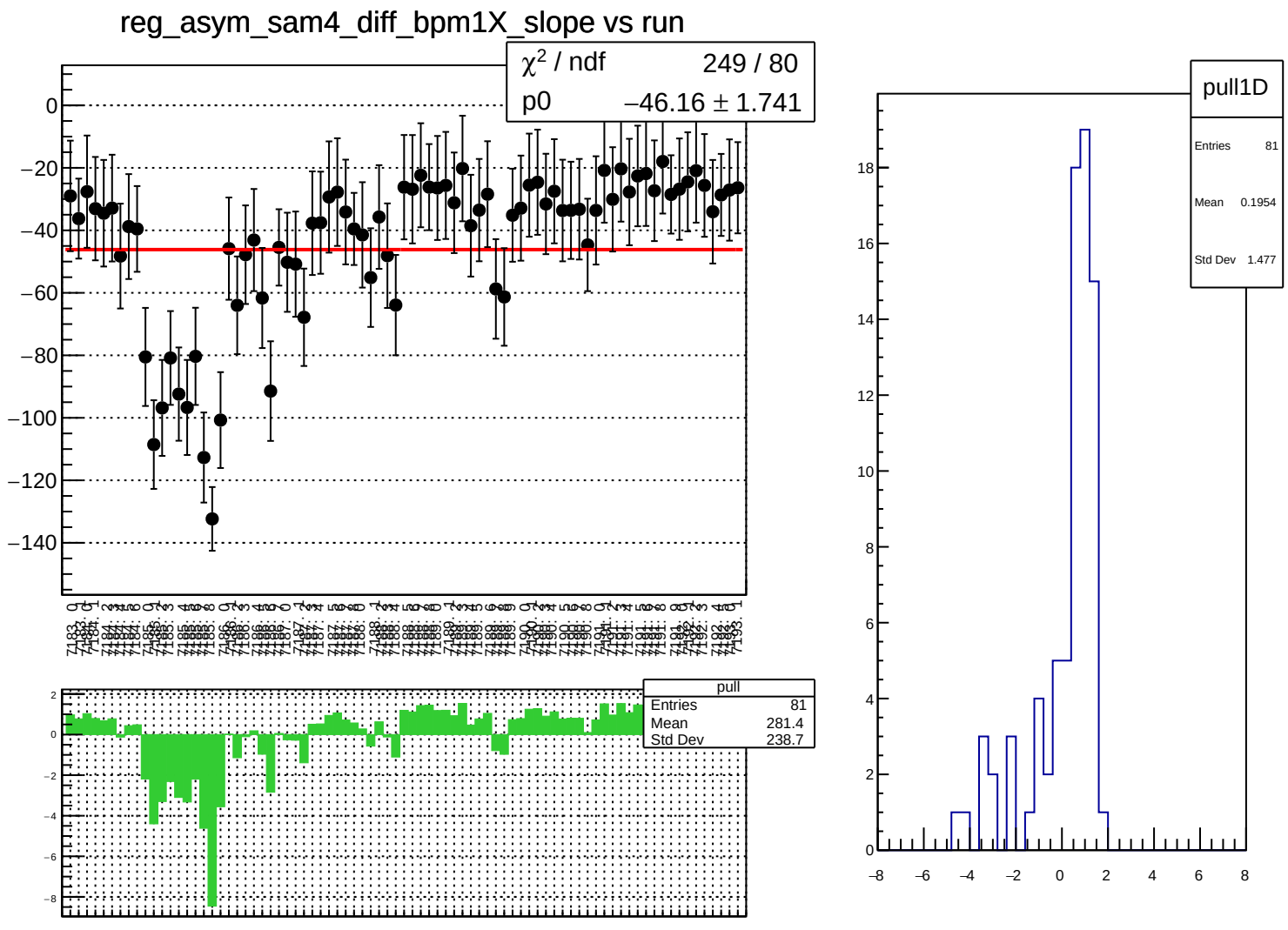

pull1D
Entries 81
Mean −0.08833
Std Dev 1.153

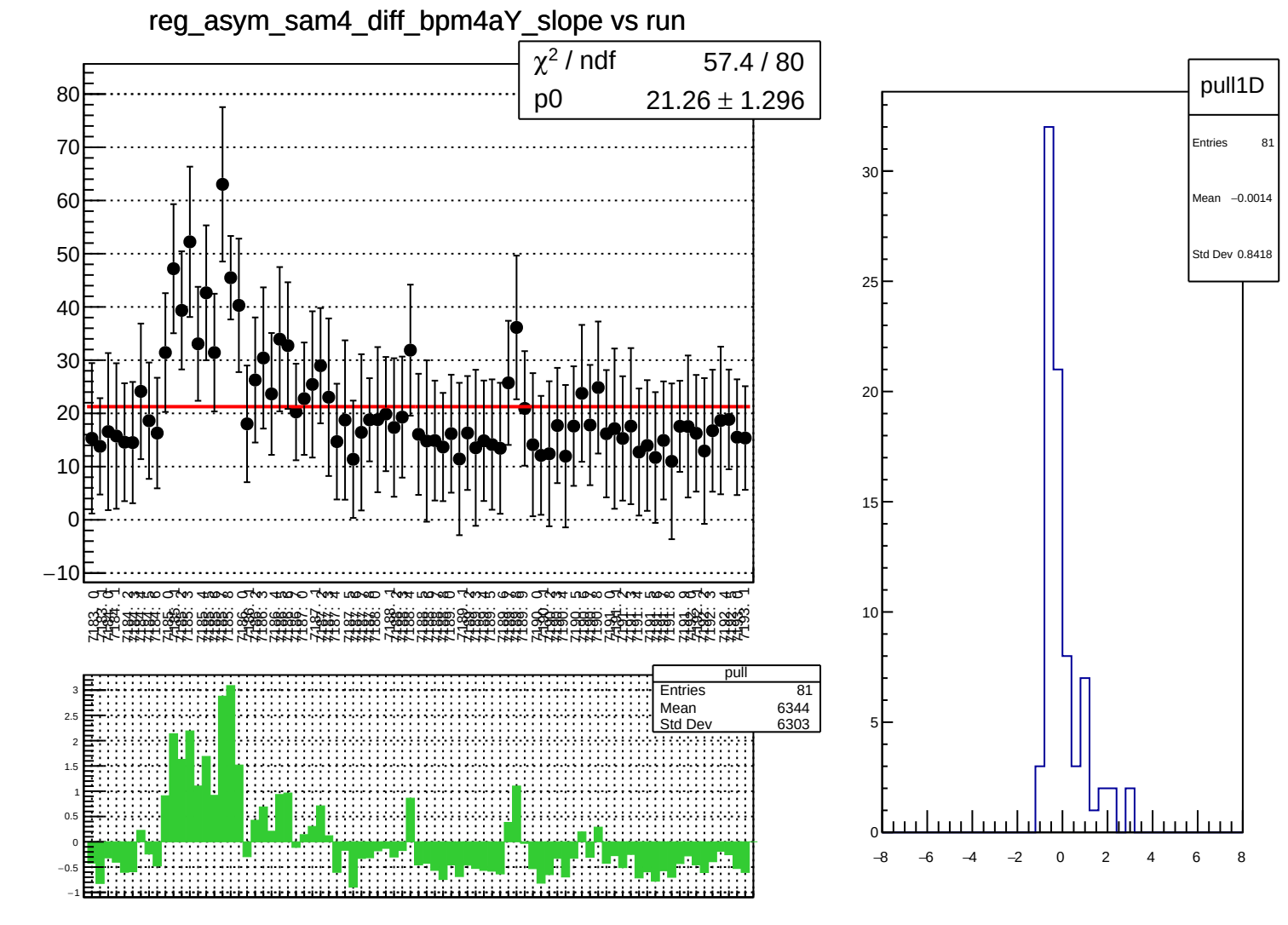

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 36.76 / 80
p0 24.27 ± 0.5235
pull
Entries 81
Mean 480.6
Std Dev 439.1

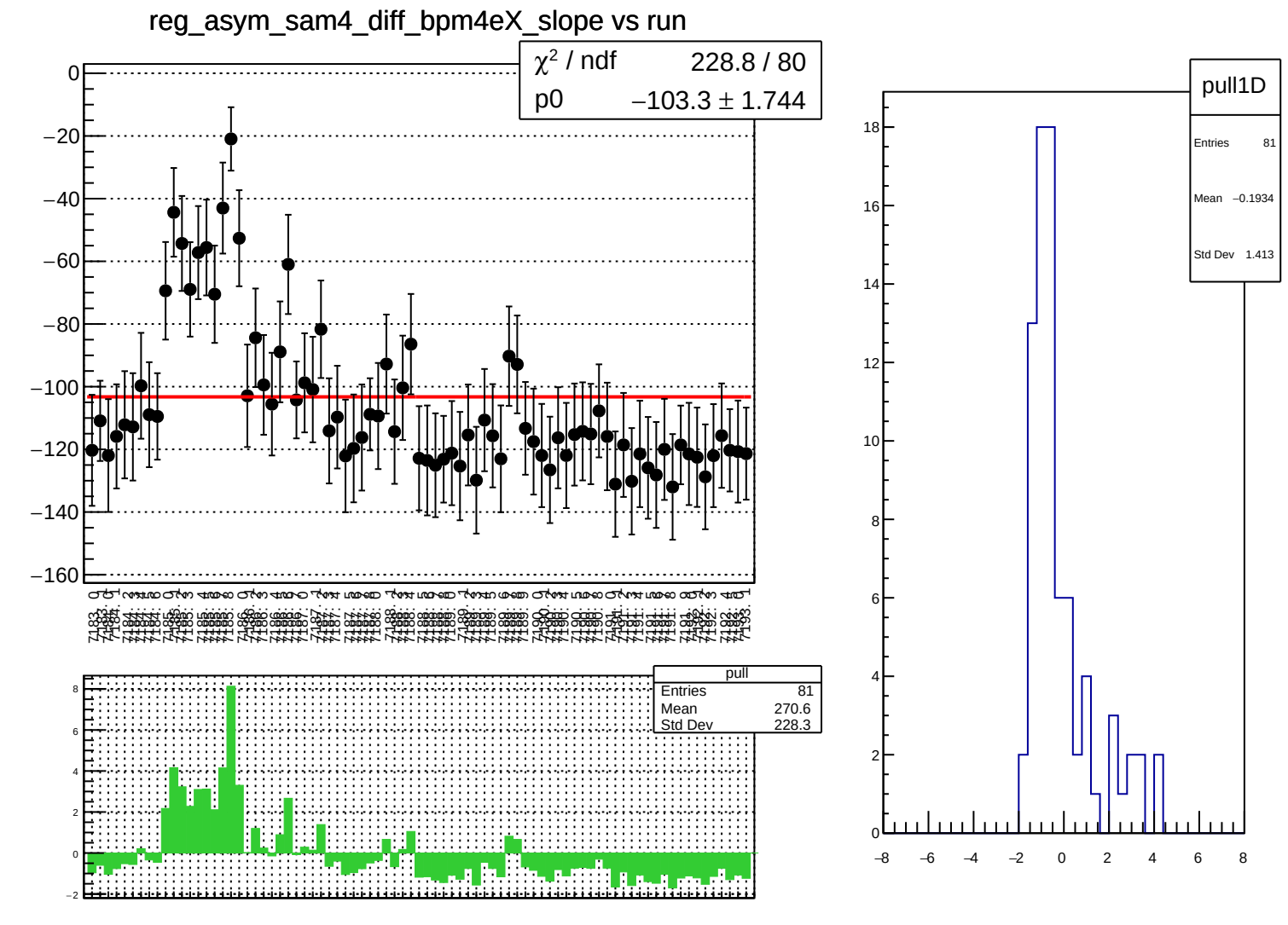

pull1D
Entries 81
Mean 0.01893
Std Dev 0.6734

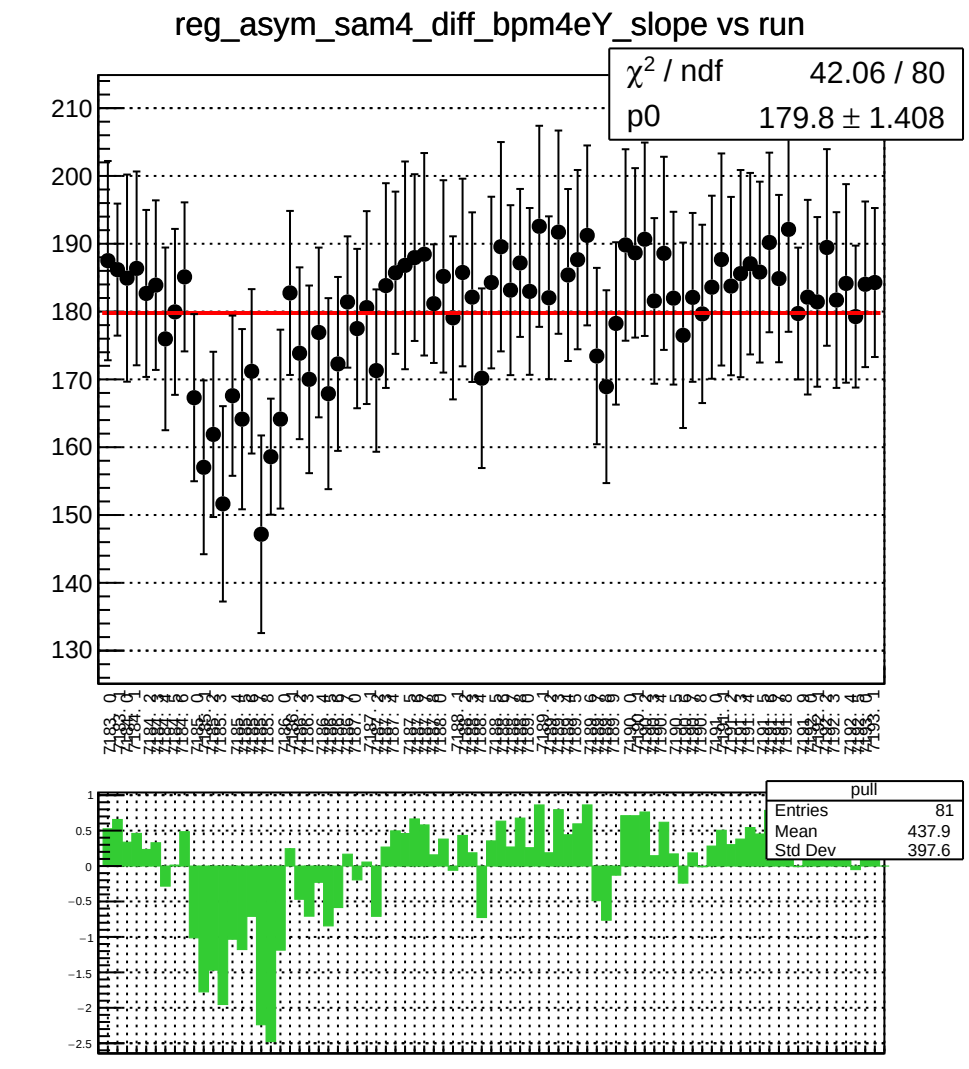

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 6.351 / 80
p0 0.3151± 0.02376
pull
Entries 81
Mean −1184
Std Dev 1218

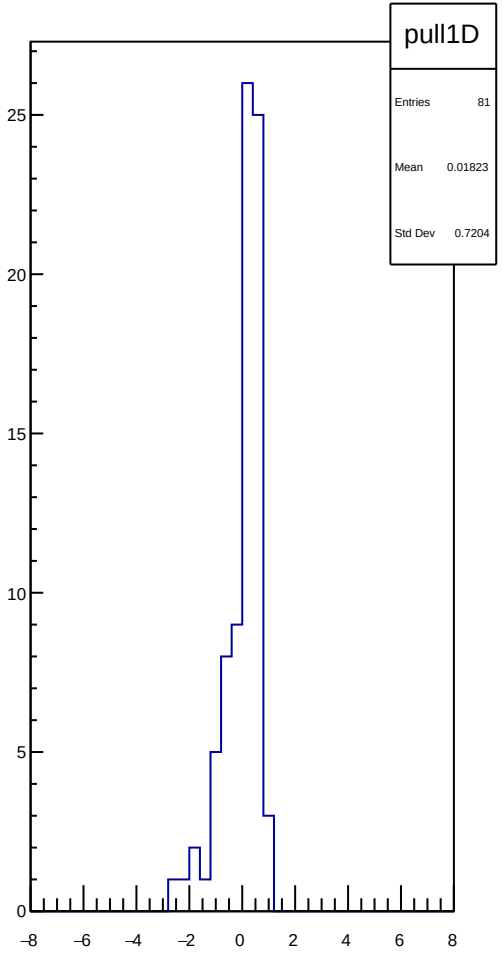

pull1D
Entries 81
Mean −0.003175
Std Dev 0.28

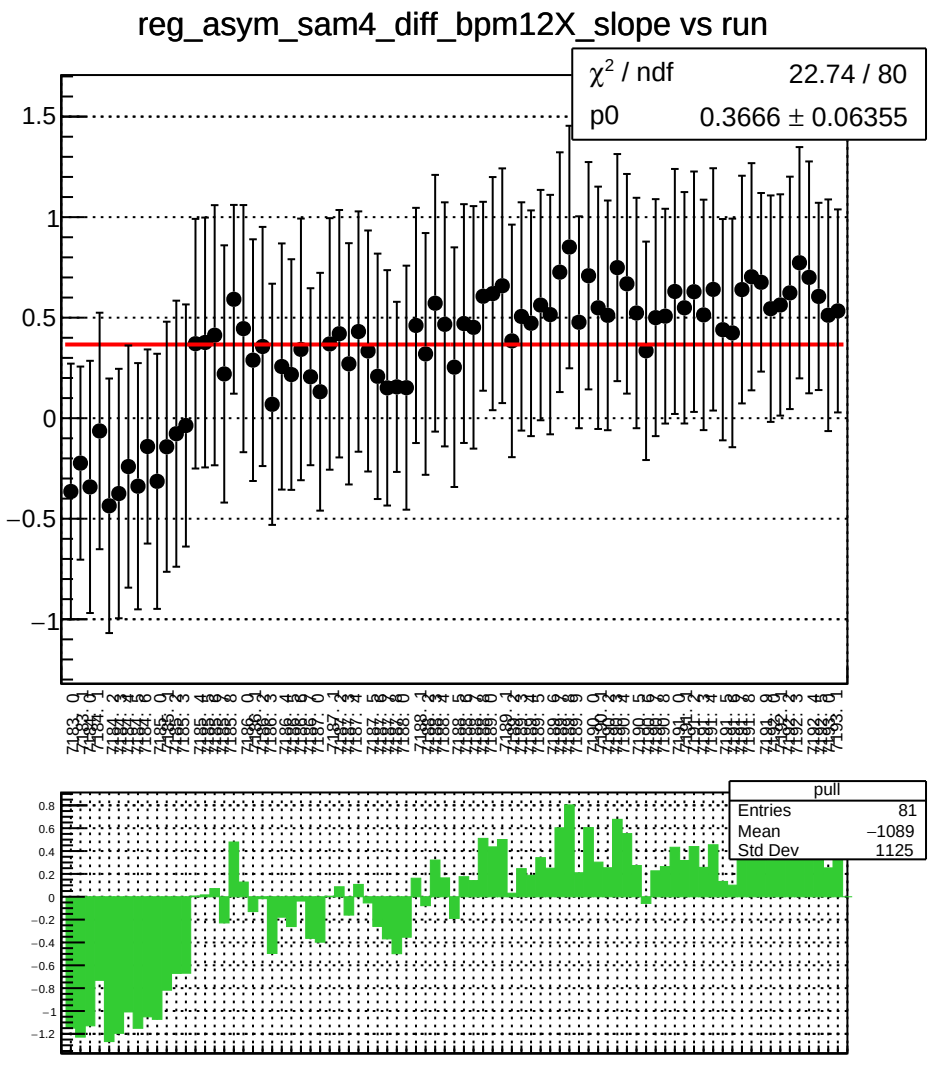

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 249 / 80
p0 −46.16 ± 1.741
pull
Entries 81
Mean 281.4
Std Dev 238.7
pull1D
Entries 81
Mean 0.1954
Std Dev 1.477

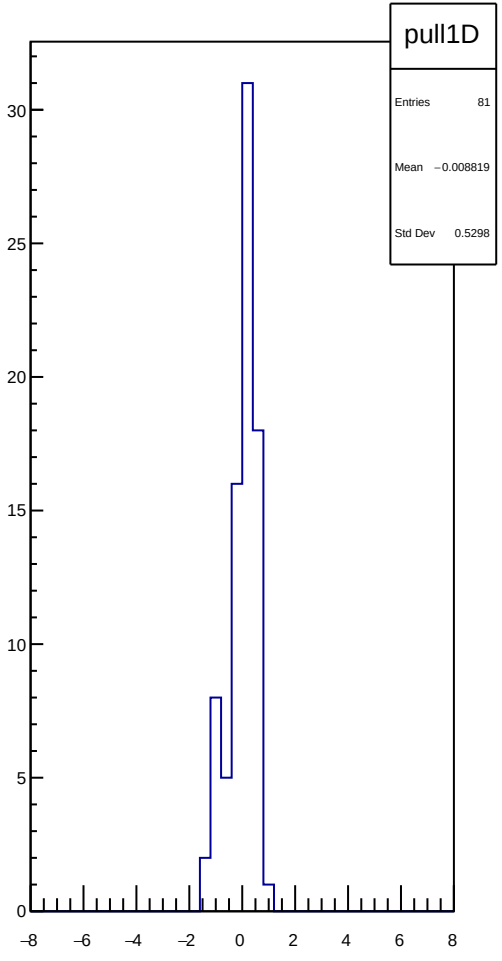

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 57.4 / 80
p0 21.26 ± 1.296
pull
Entries 81
Mean 6344
Std Dev 6303
pull1D
Entries 81
Mean −0.0014
Std Dev 0.8418

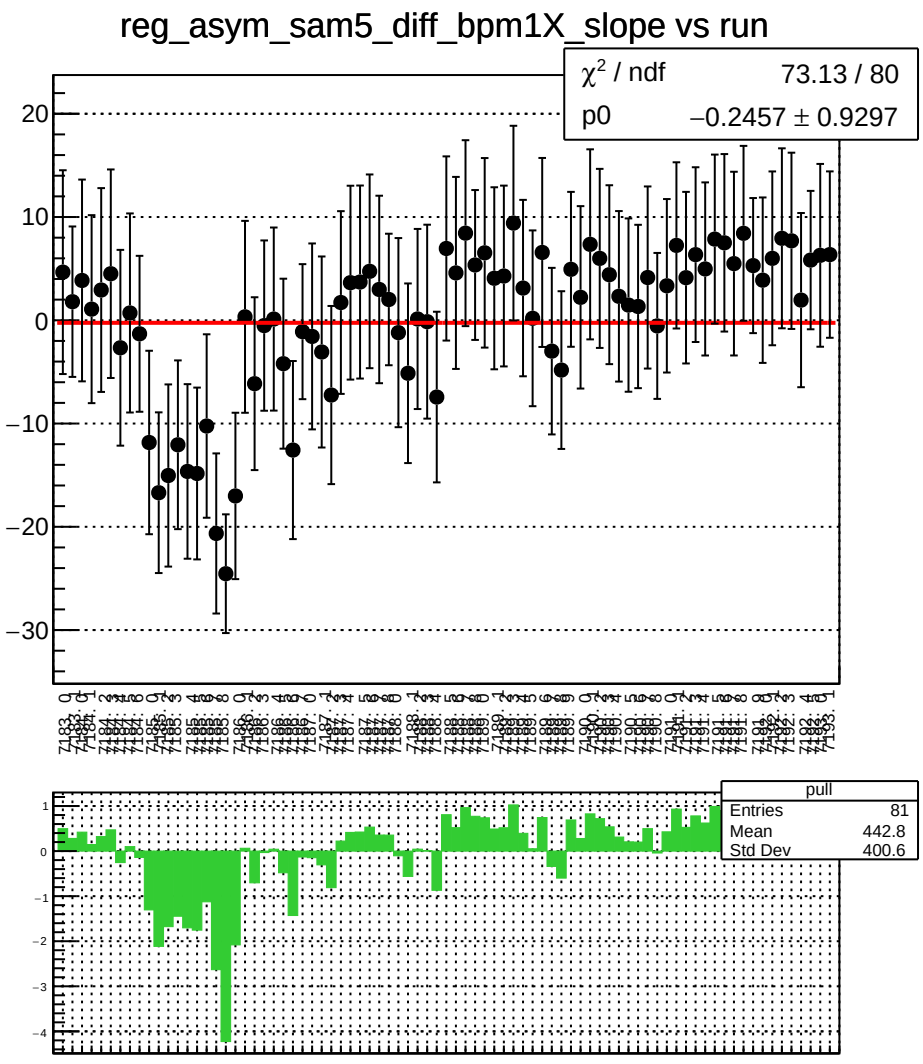

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 228.8 / 80
p0 −103.3 ± 1.744
pull
Entries 81
Mean 270.6
Std Dev 228.3
pull1D
Entries 81
Mean −0.1934
Std Dev 1.413

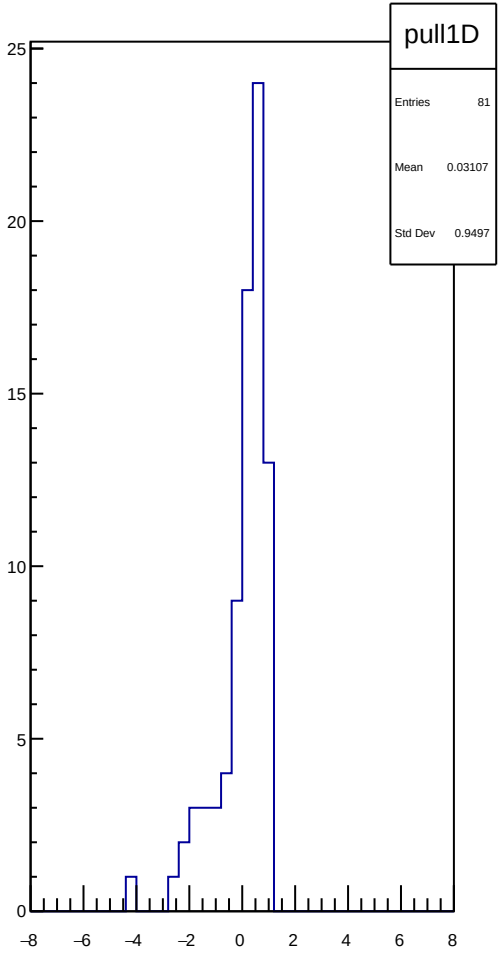

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 42.06 / 80
p0 179.8 ± 1.408
pull
Entries 81
Mean 437.9
Std Dev 397.6

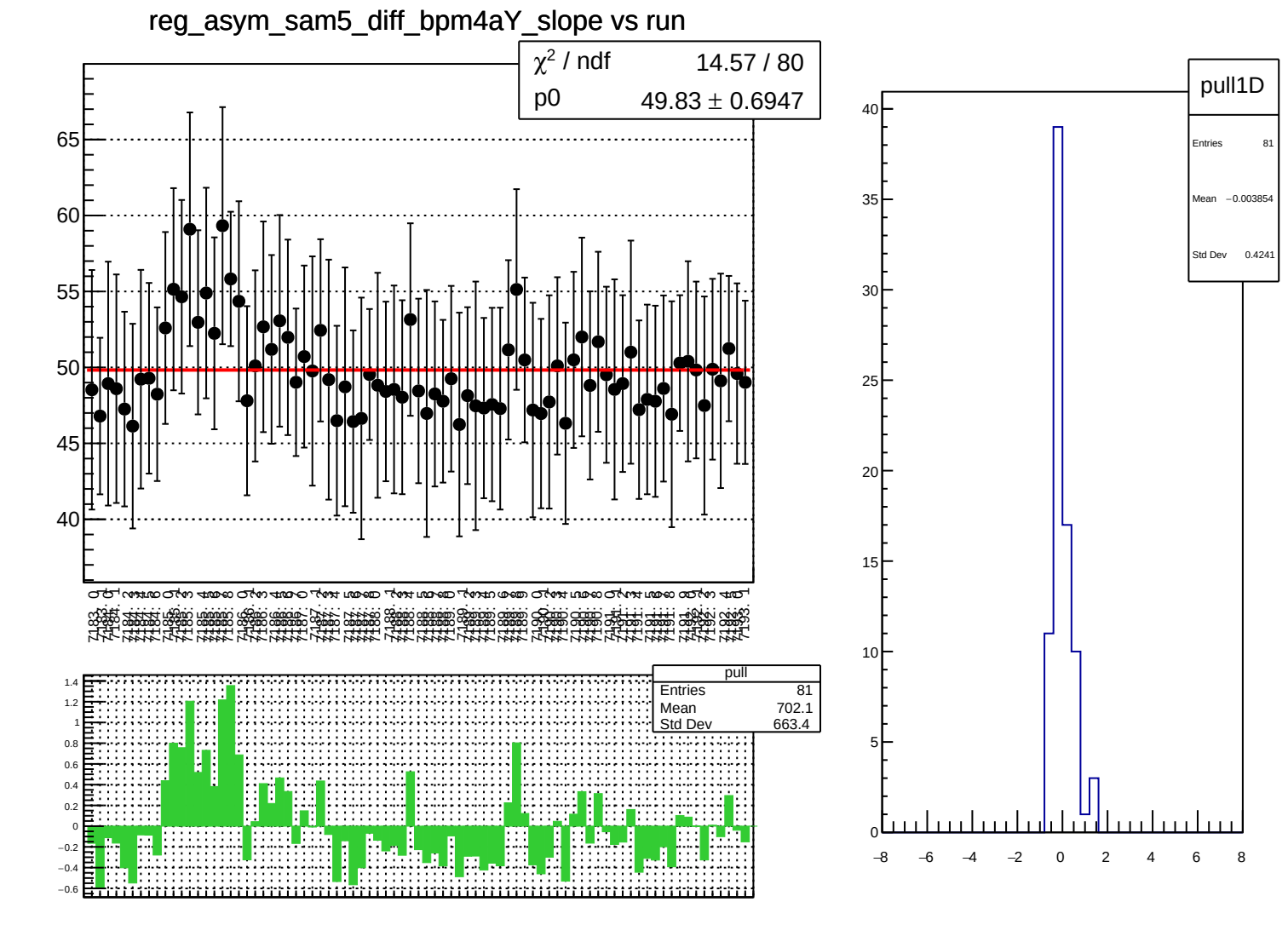

pull1D
Entries 81
Mean 0.01823
Std Dev 0.7204

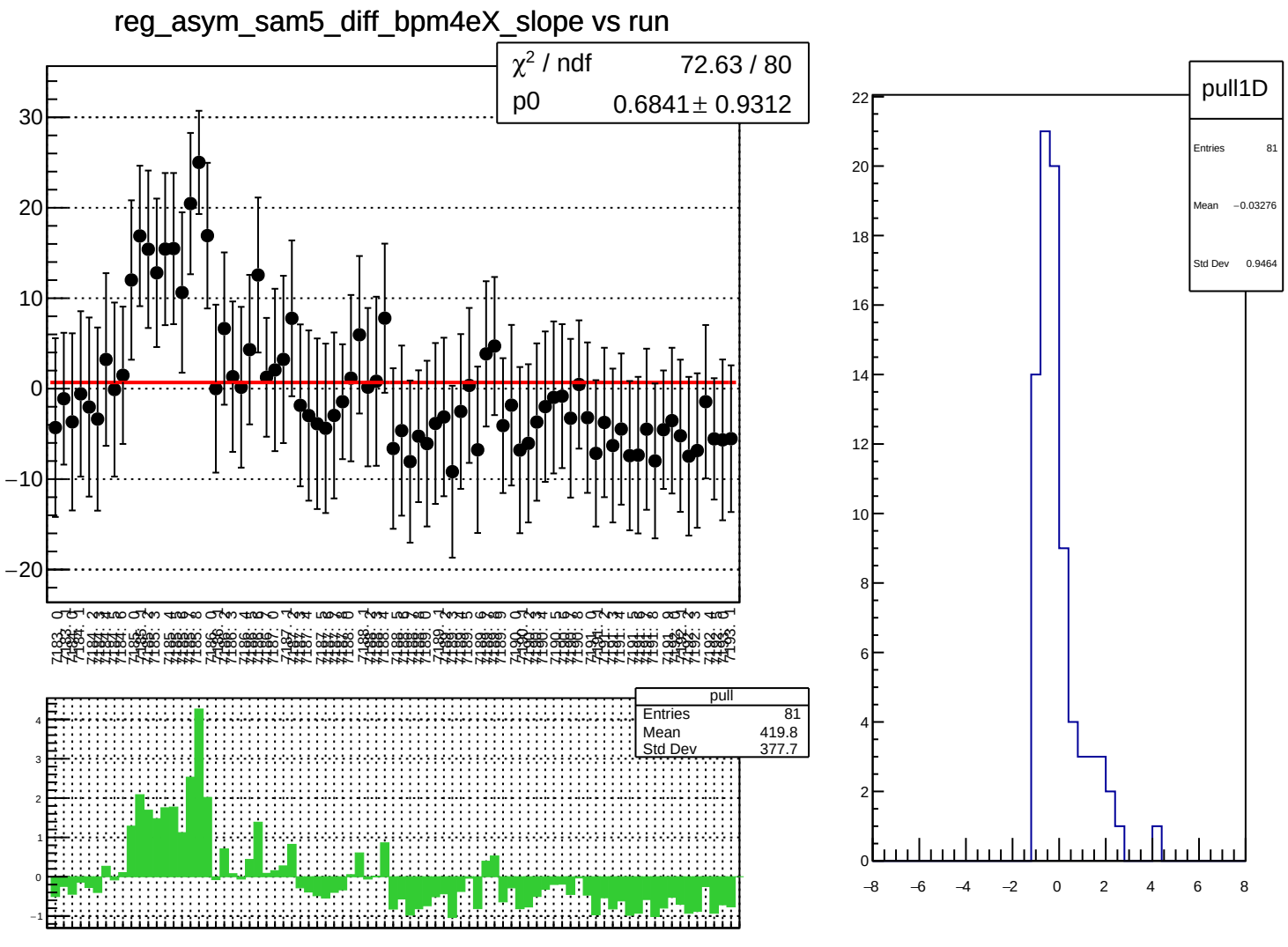

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 22.74 / 80
p0 0.3666 ± 0.06355
pull
Entries 81
Mean −1089
Std Dev 1125

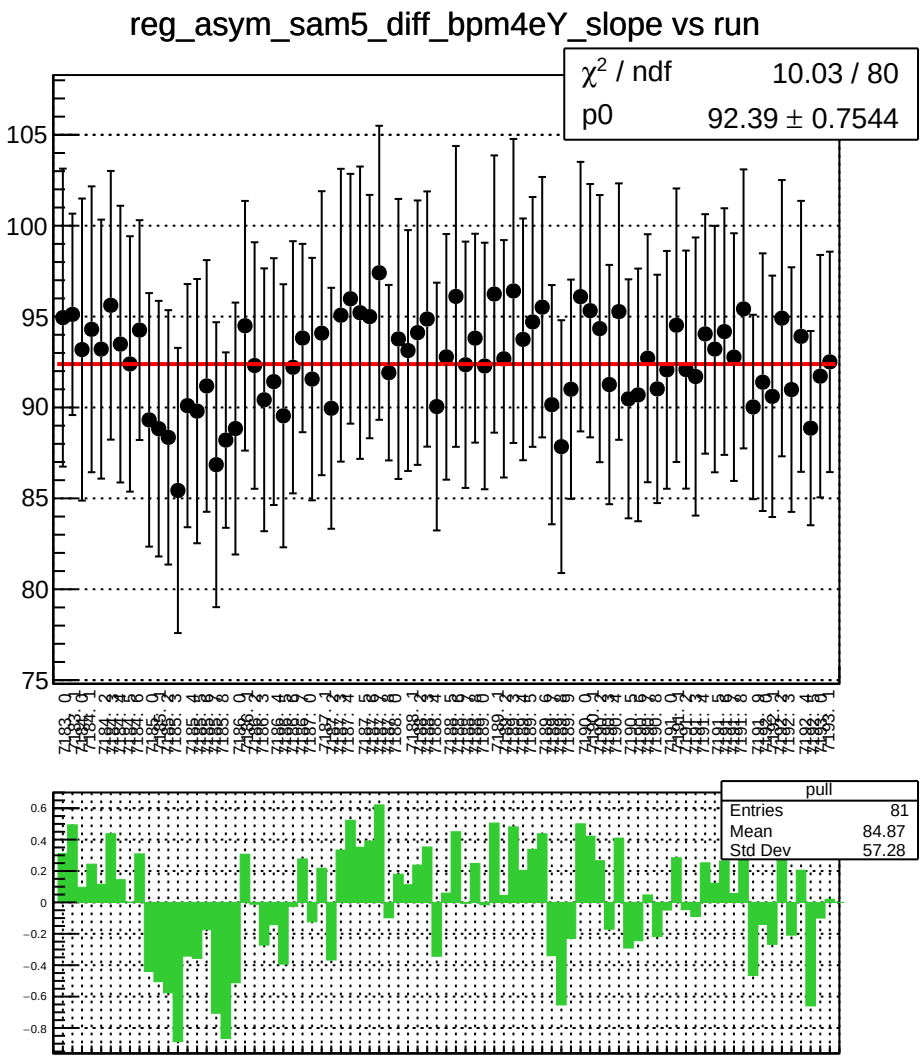

pull1D
Entries 81
Mean −0.008819
Std Dev 0.5298

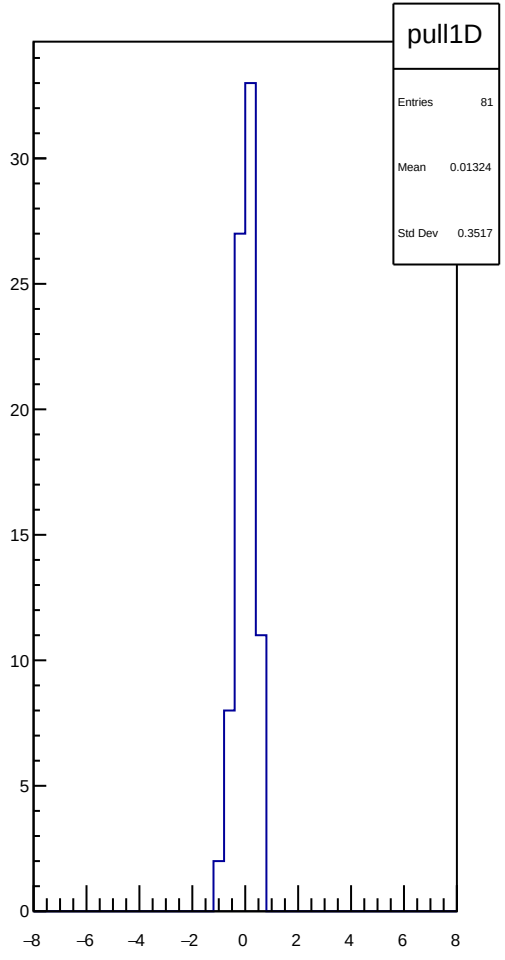

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 73.13 / 80
p0 −0.2457 ± 0.9297
pull
Entries 81
Mean 442.8
Std Dev 400.6

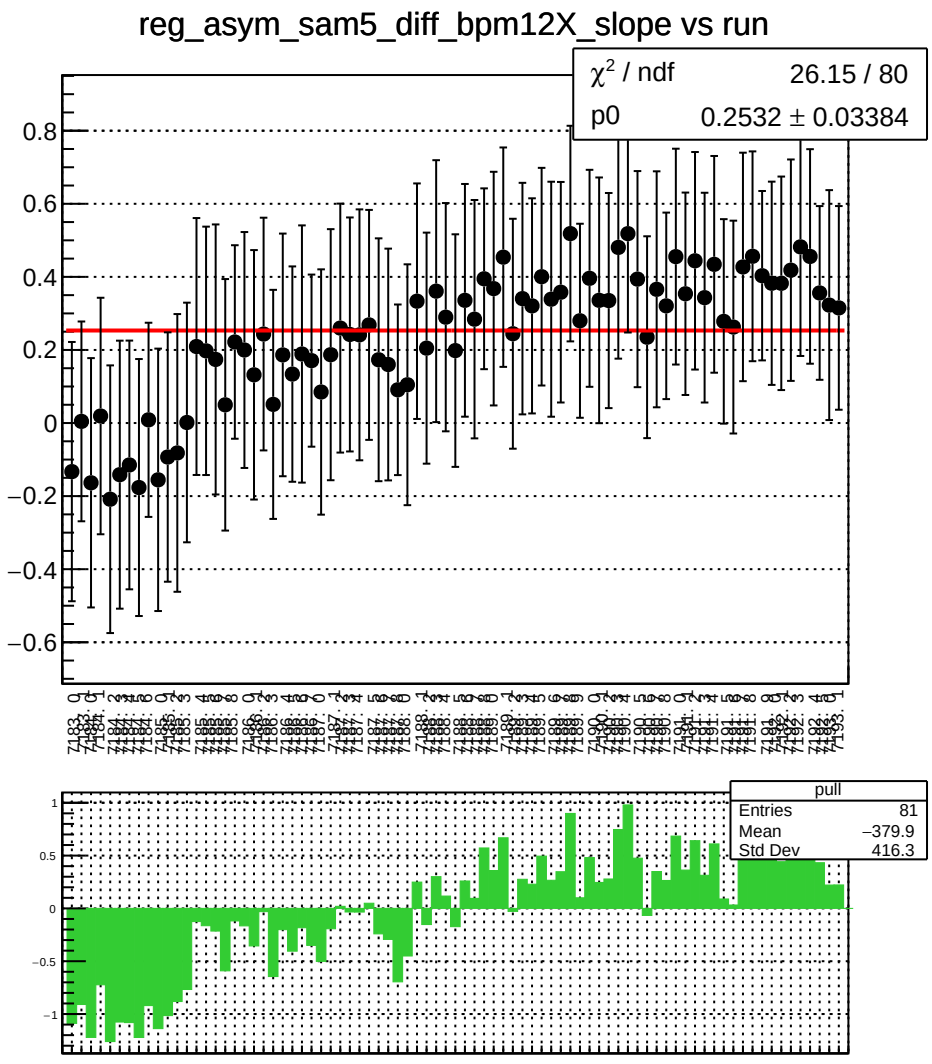

pull1D
Entries 81
Mean 0.03107
Std Dev 0.9497

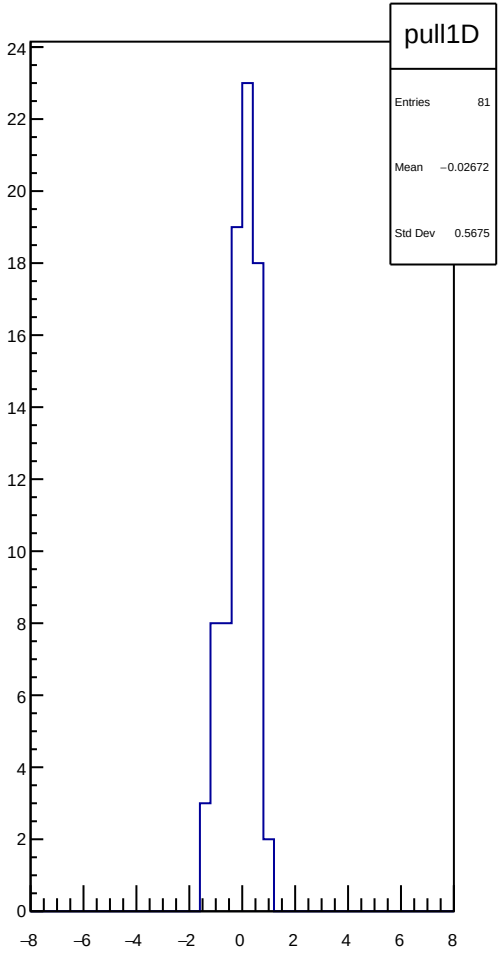

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 14.57 / 80
p0 49.83 ± 0.6947
pull
Entries 81
Mean 702.1
Std Dev 663.4
pull1D
Entries 81
Mean −0.003854
Std Dev 0.4241

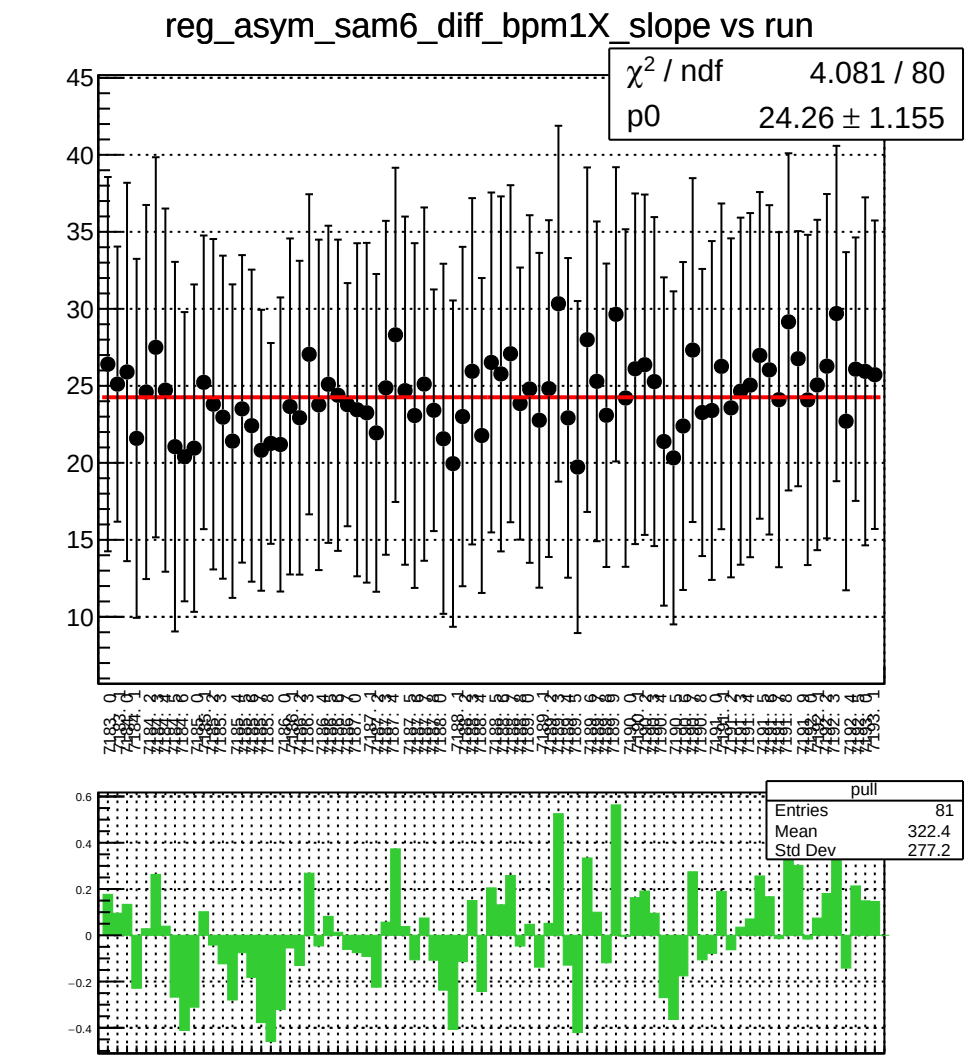

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 72.63 / 80
p0 0.6841 ± 0.9312
pull
Entries 81
Mean 419.8
Std Dev 377.7
pull1D
Entries 81
Mean −0.03276
Std Dev 0.9464

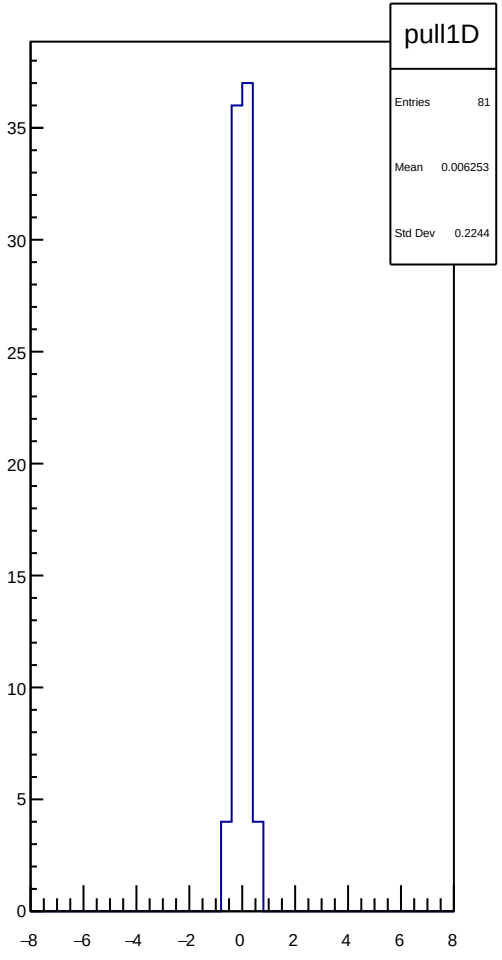

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 10.03 / 80
p0 92.39 ± 0.7544
105
100
95
90
85
80
75
pull
Entries 81
Mean 84.87
Std Dev 57.28
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

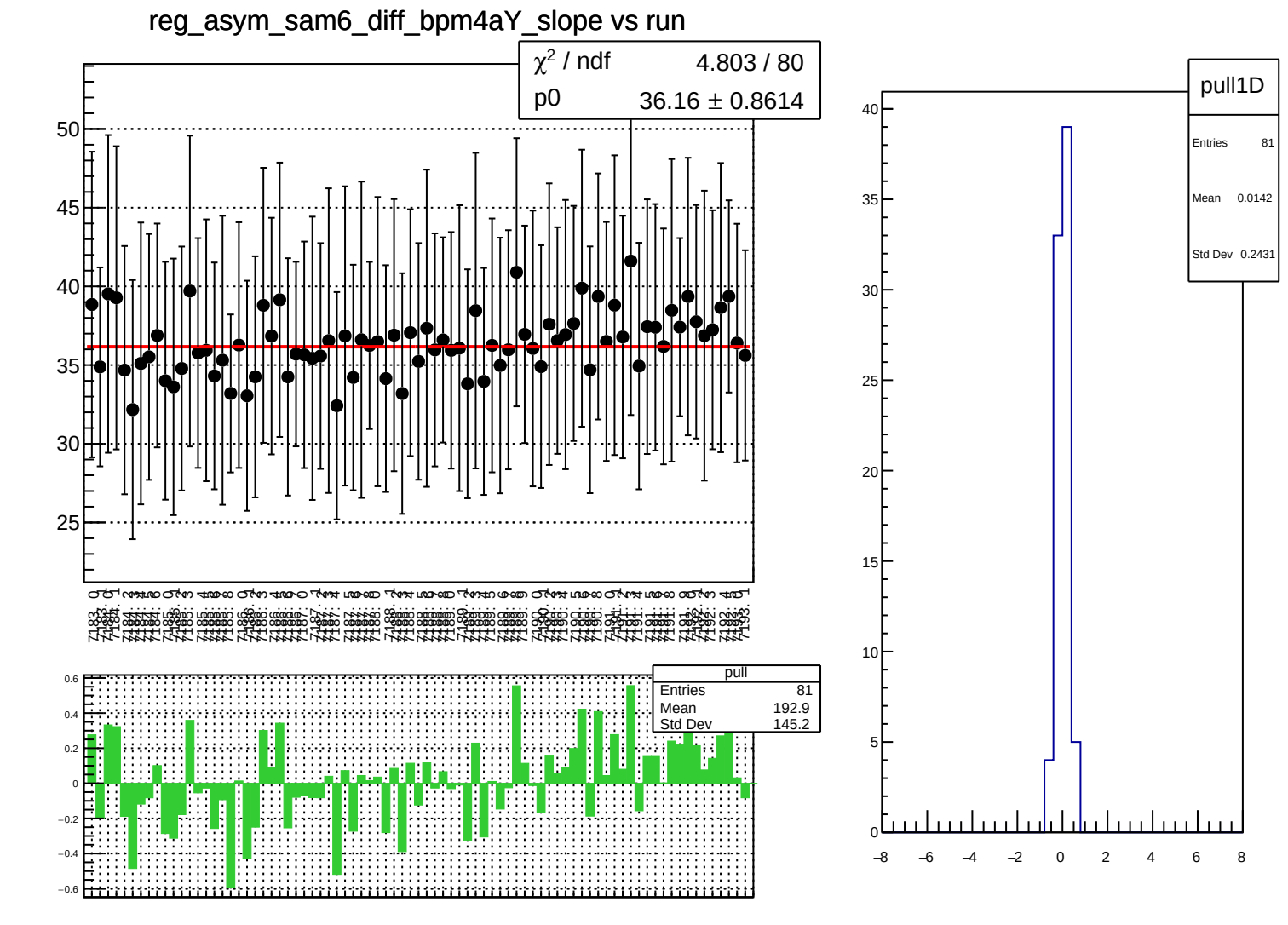

pull1D
Entries 81
Mean 0.01324
Std Dev 0.3517
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

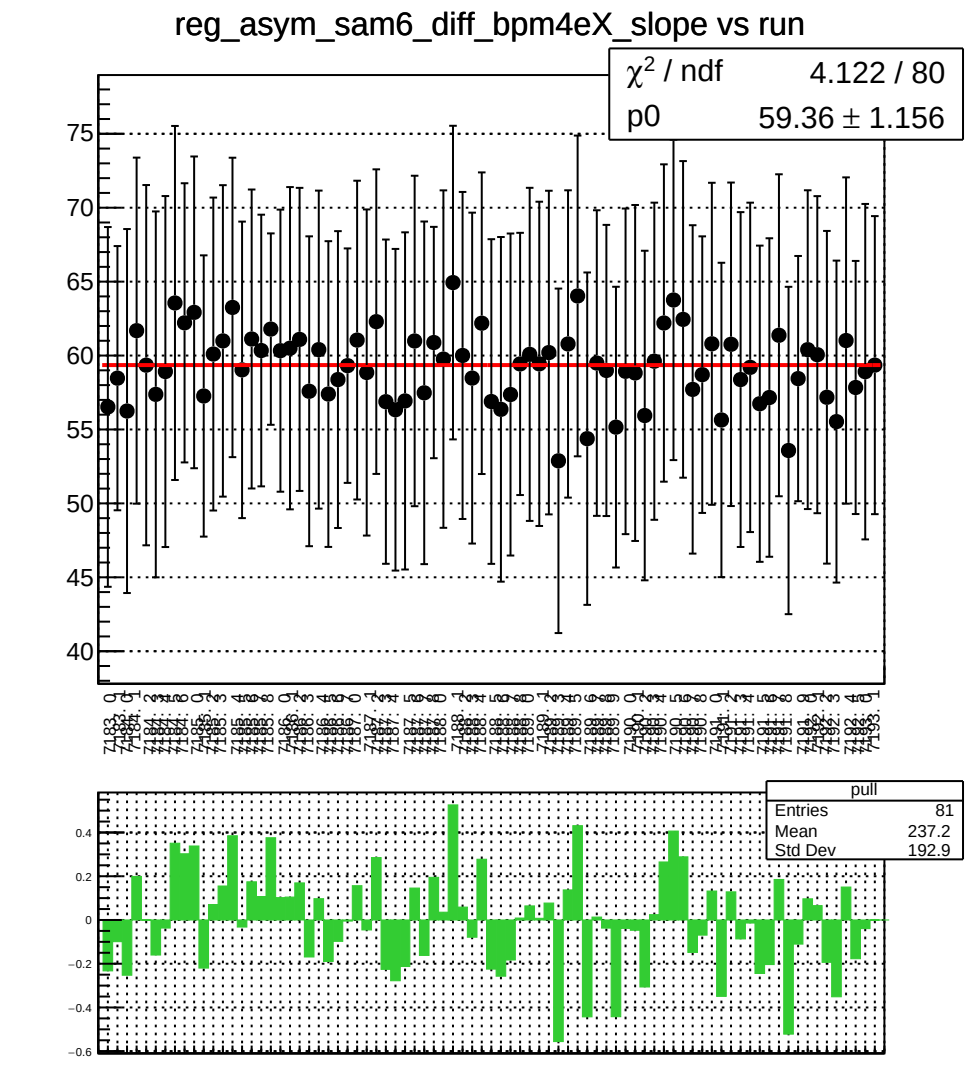

reg_asym_sam5_diff_bpm12X_slope vs run
$\chi^2$ / ndf 26.15 / 80
p0 0.2532 ± 0.03384
pull
Entries 81
Mean −379.9
Std Dev 416.3

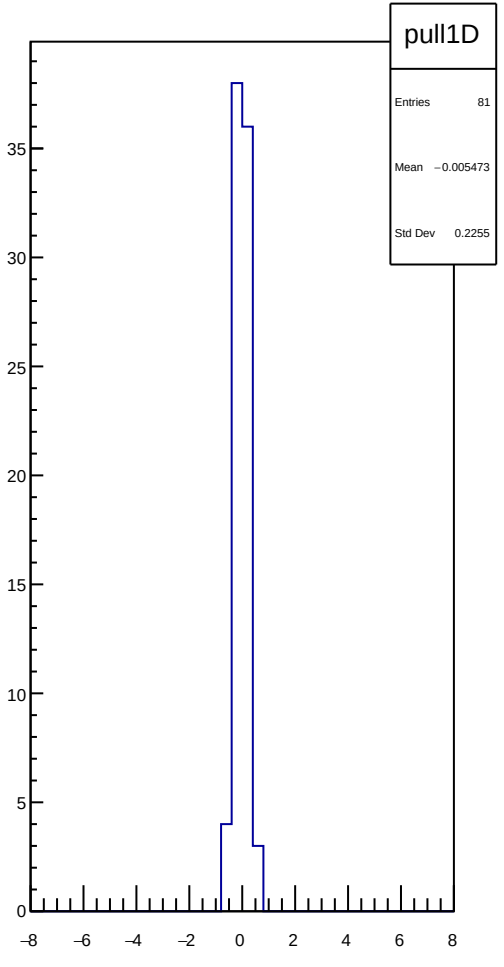

pull1D
Entries 81
Mean −0.02672
Std Dev 0.5675

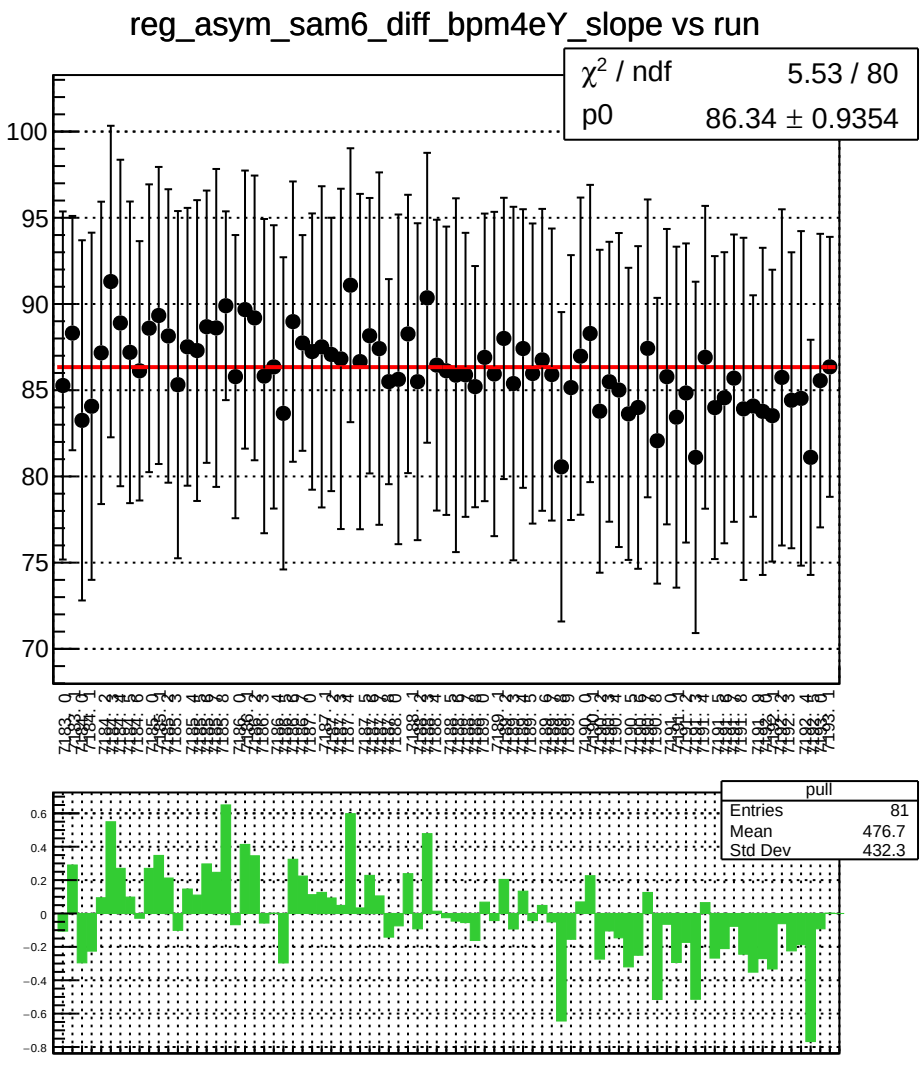

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 4.081 / 80
p0 24.26 ± 1.155
pull
Entries 81
Mean 322.4
Std Dev 277.2

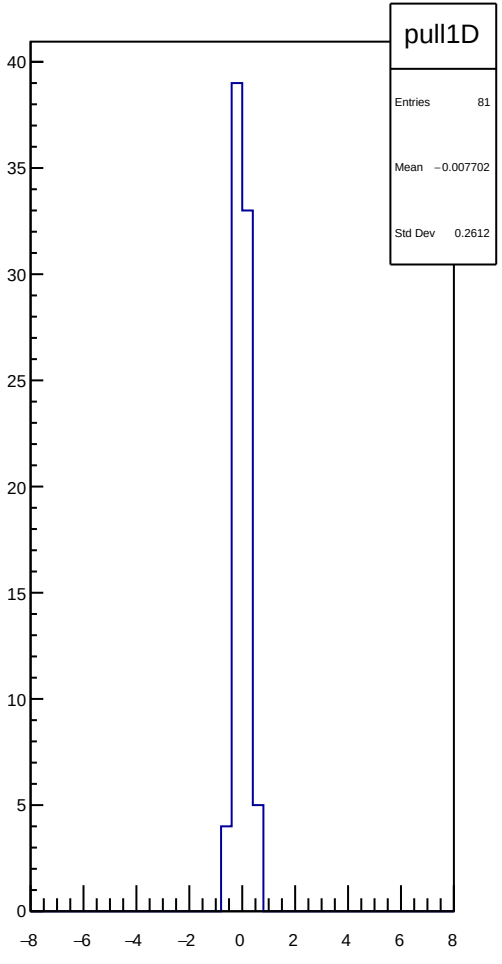

pull1D
Entries 81
Mean 0.006253
Std Dev 0.2244

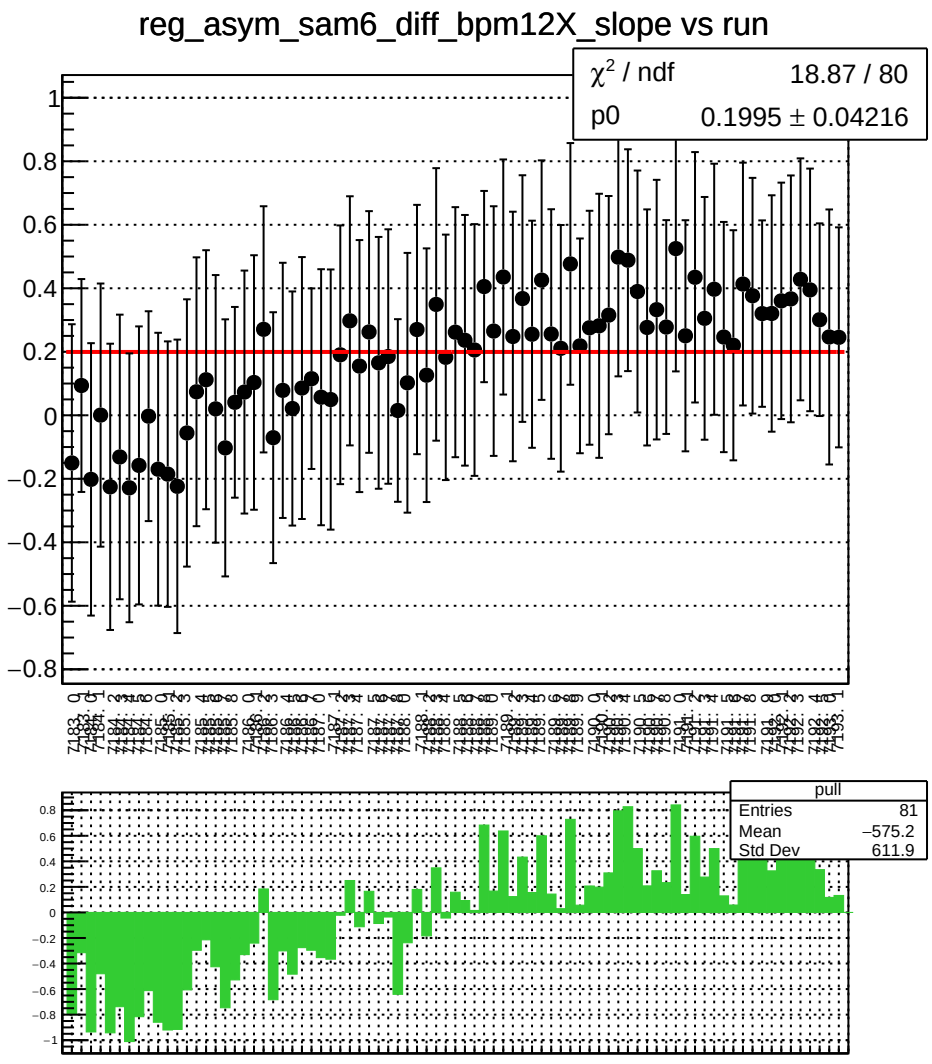

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 4.803 / 80
p0 36.16 ± 0.8614
pull
Entries 81
Mean 192.9
Std Dev 145.2
pull1D
Entries 81
Mean 0.0142
Std Dev 0.2431

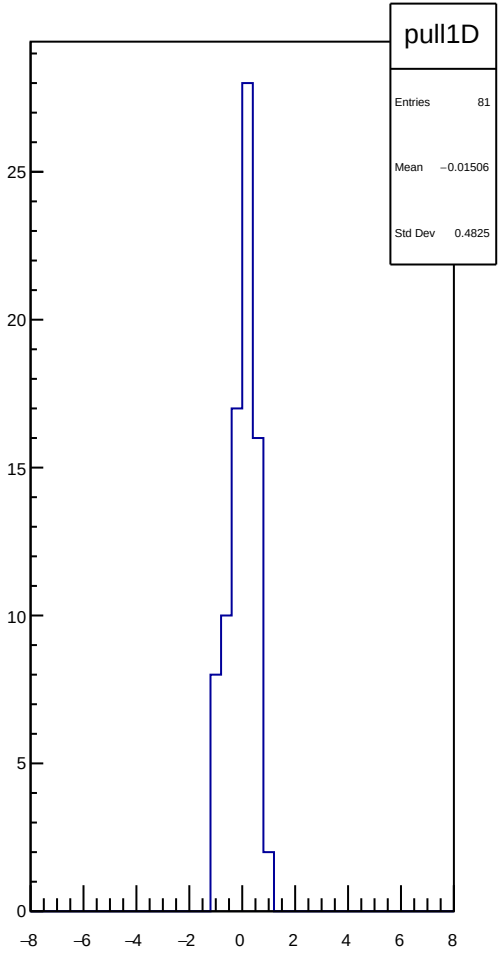

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.122 / 80
p0 59.36 ± 1.156
pull
Entries 81
Mean 237.2
Std Dev 192.9

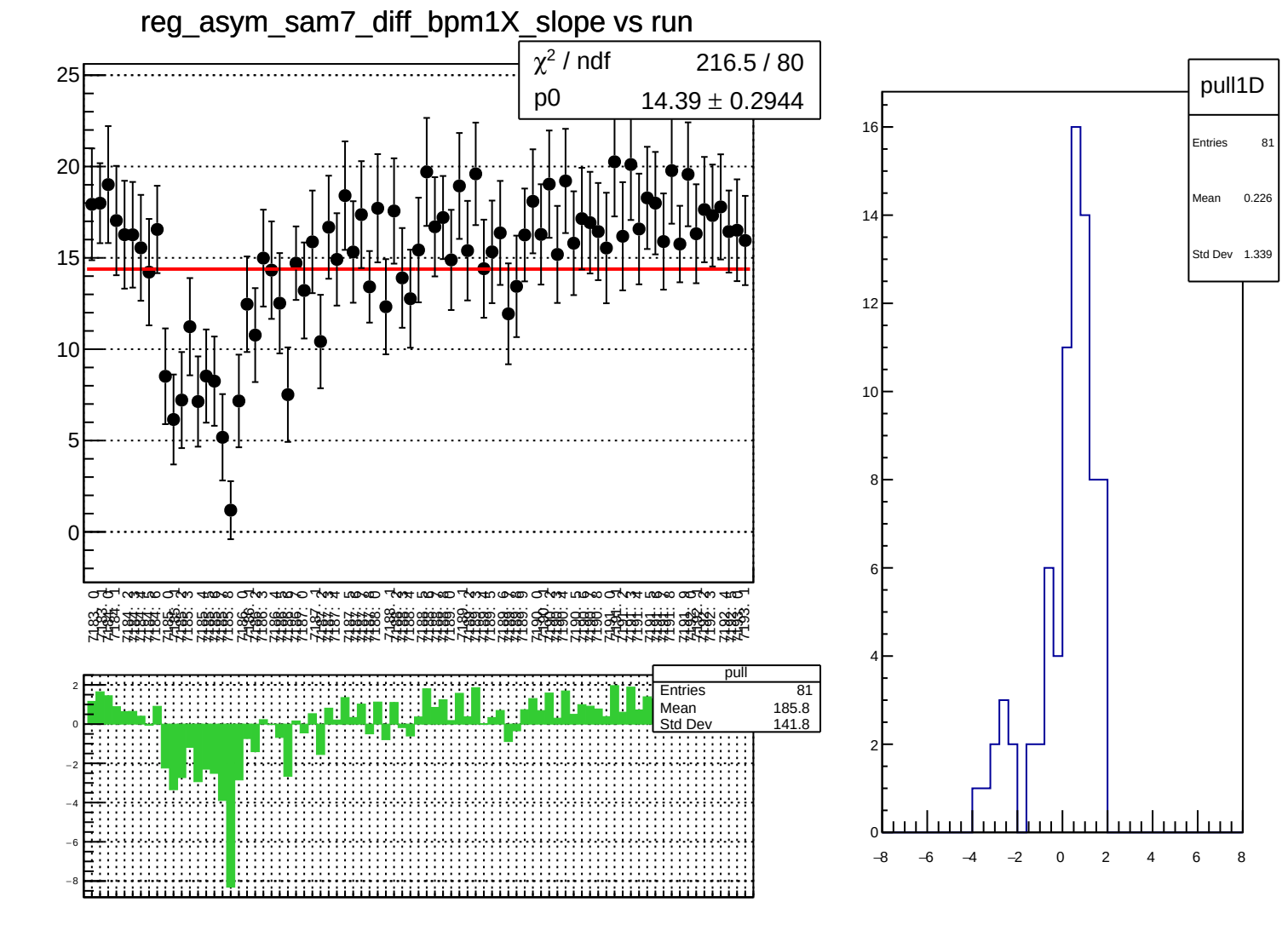

pull1D
Entries 81
Mean −0.005473
Std Dev 0.2255

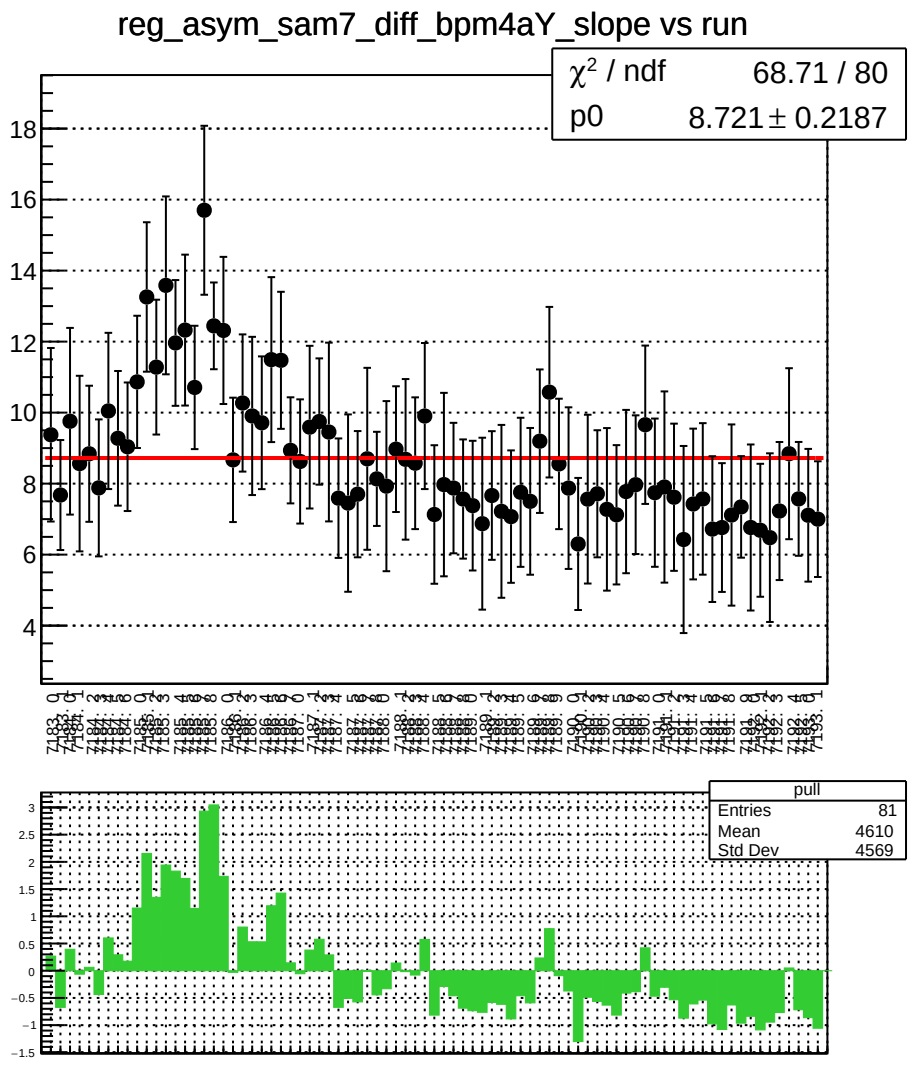

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 5.53 / 80
p0 86.34 ± 0.9354
pull
Entries 81
Mean 476.7
Std Dev 432.3

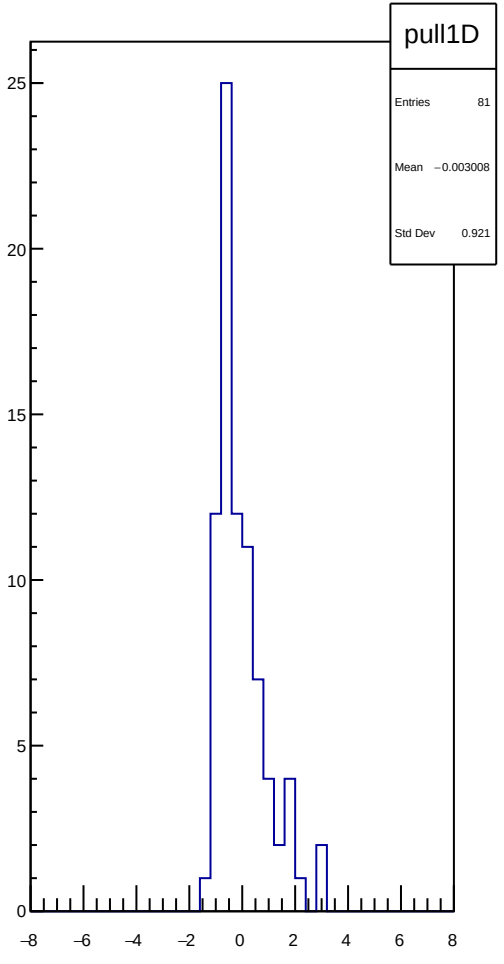

pull1D
Entries 81
Mean −0.007702
Std Dev 0.2612

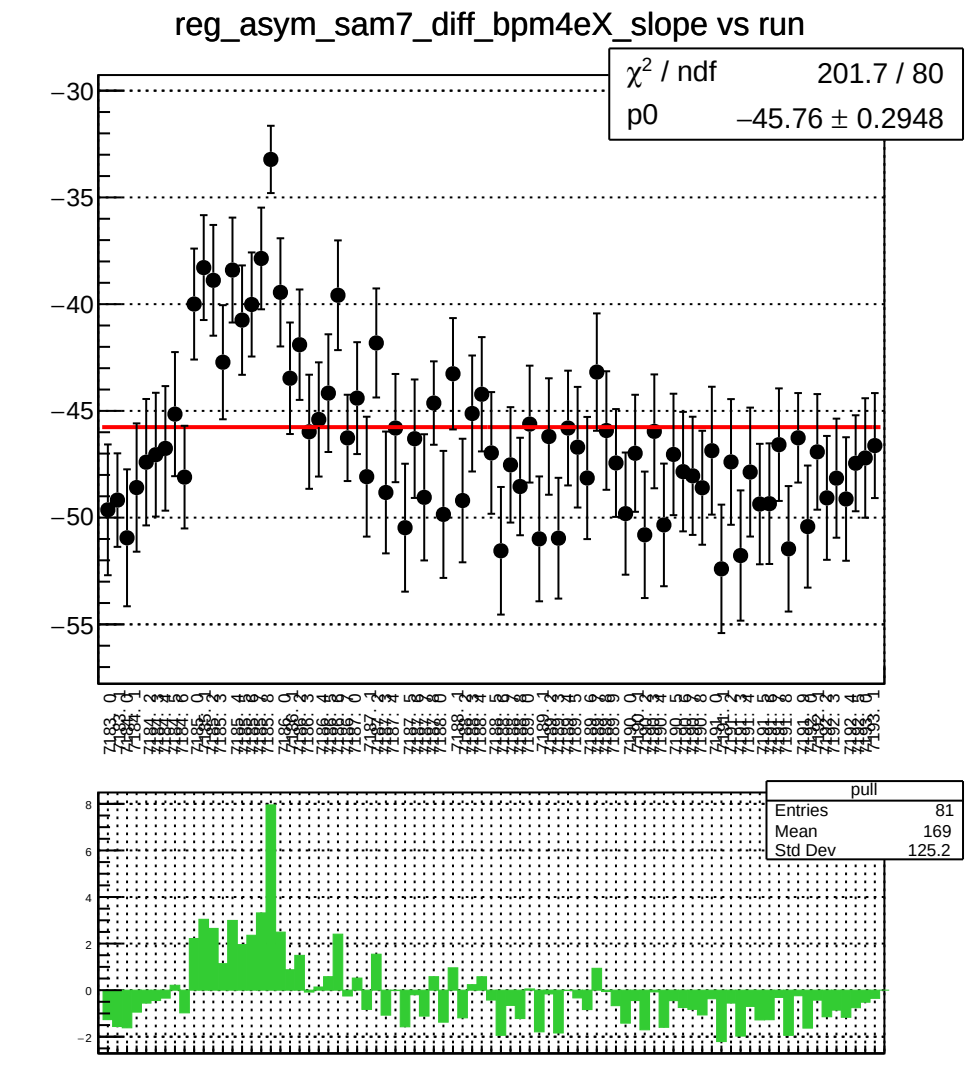

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 18.87 / 80
p0 0.1995 ± 0.04216
pull
Entries 81
Mean −575.2
Std Dev 611.9

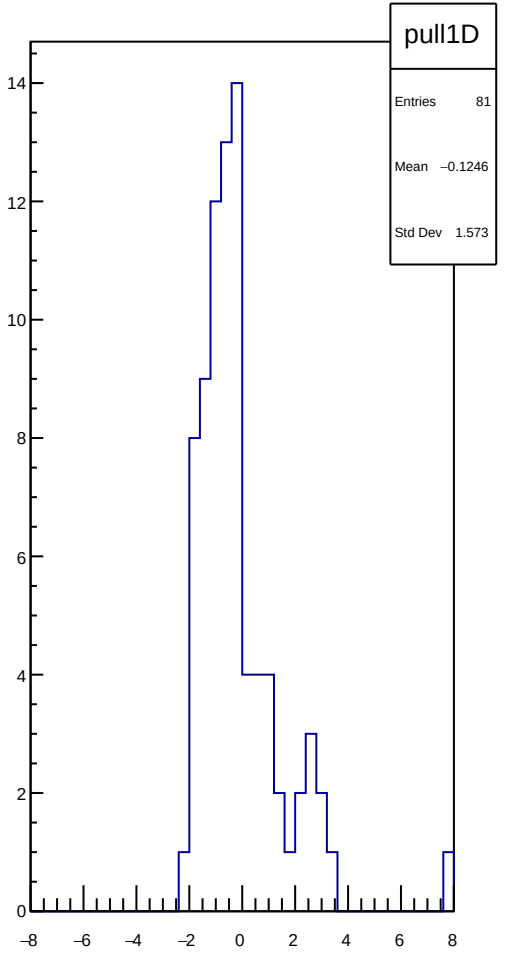

pull1D
Entries 81
Mean −0.01506
Std Dev 0.4825

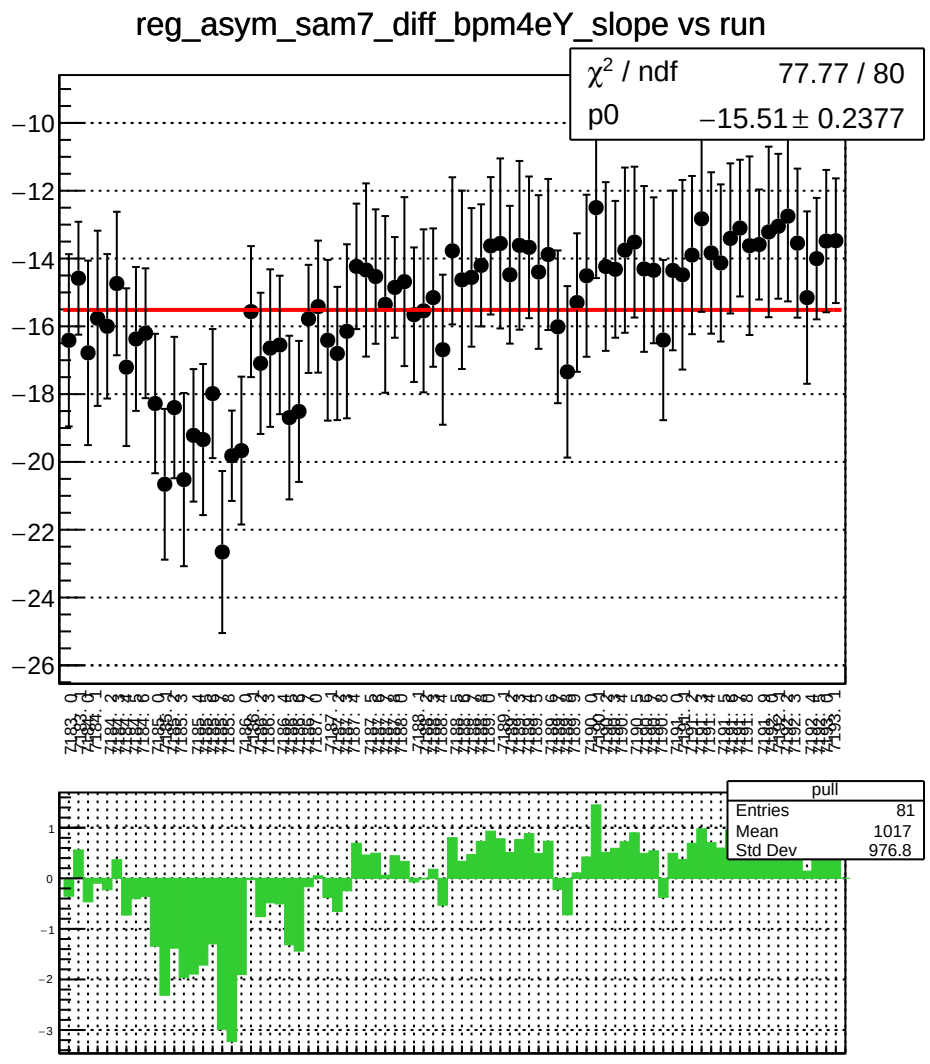

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 216.5 / 80
p0 14.39 ± 0.2944
pull
Entries 81
Mean 185.8
Std Dev 141.8
pull1D
Entries 81
Mean 0.226
Std Dev 1.339

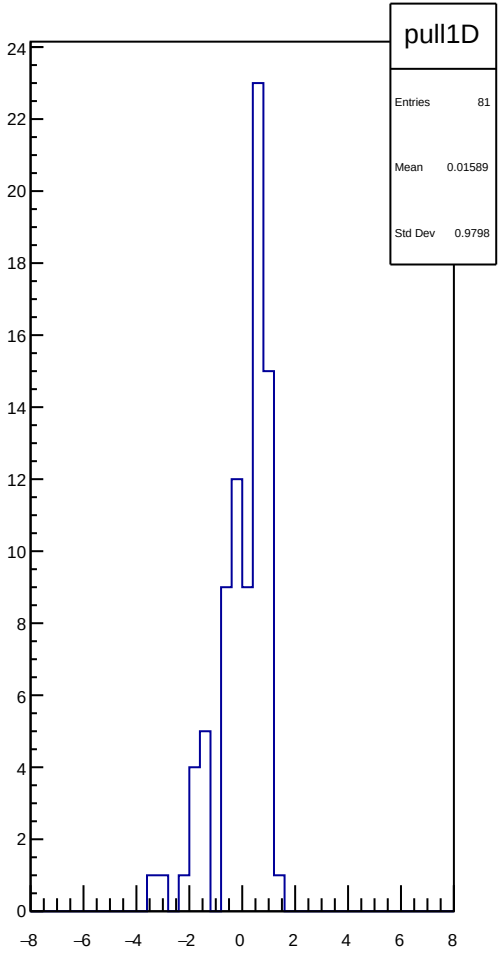

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 68.71 / 80
p0 8.721 ± 0.2187
pull
Entries 81
Mean 4610
Std Dev 4569

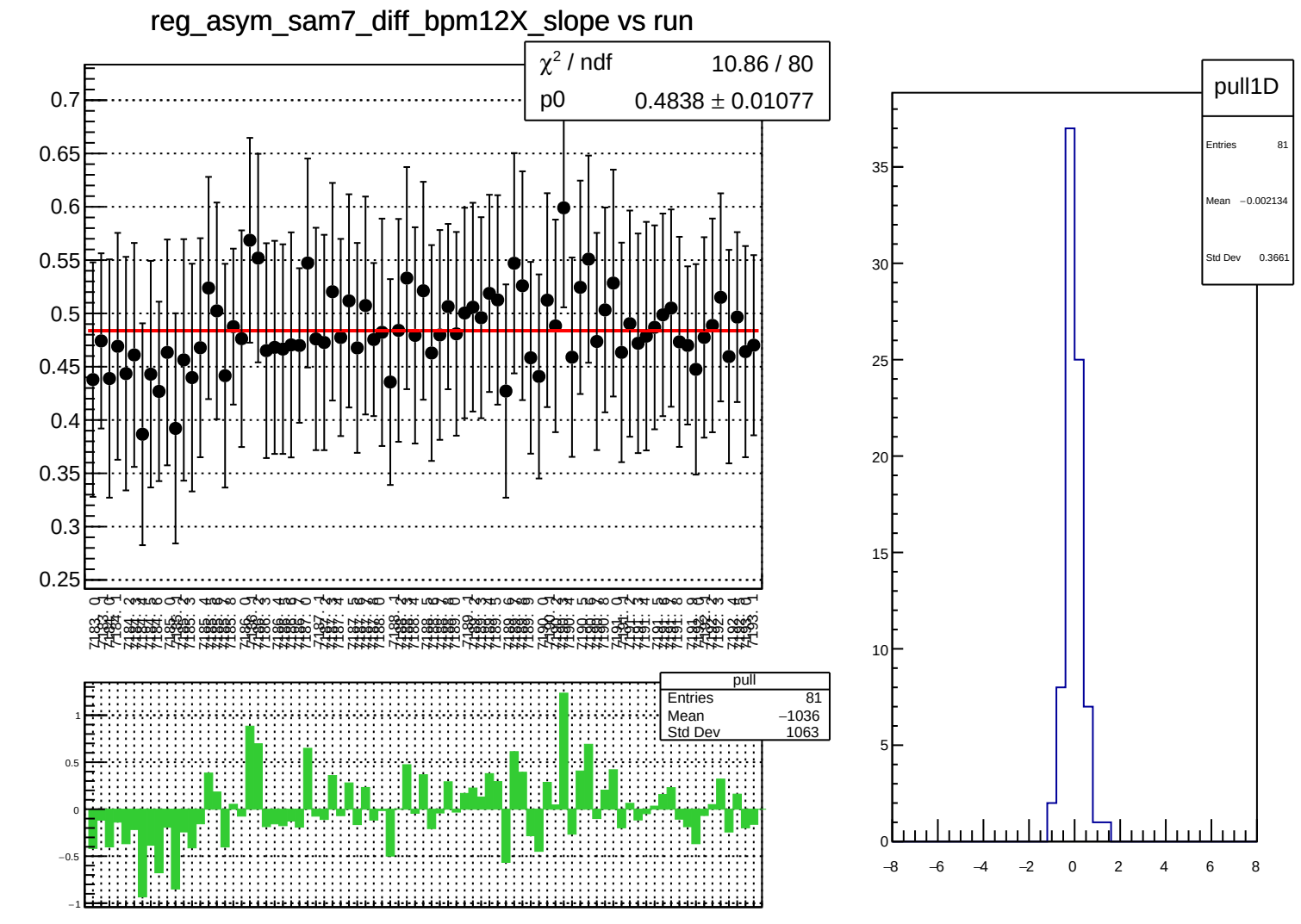

pull1D
Entries 81
Mean −0.003008
Std Dev 0.921

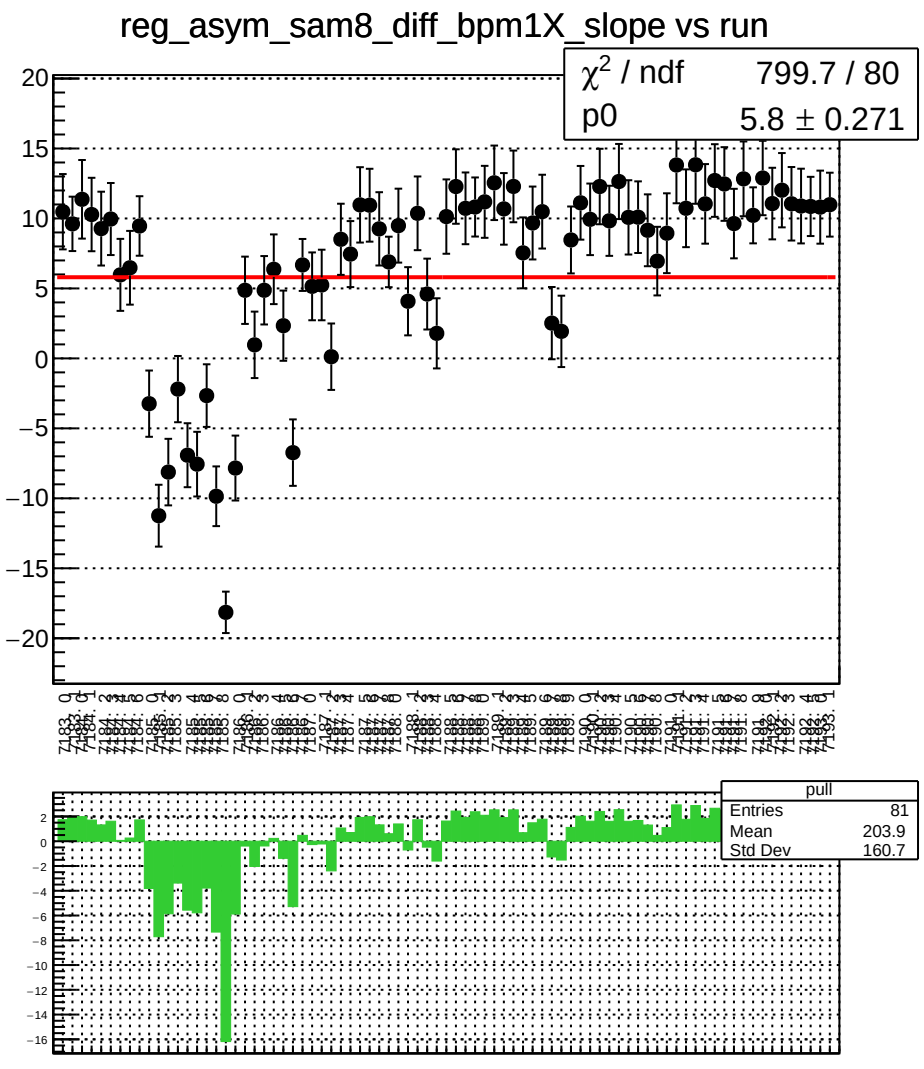

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 201.7 / 80
p0 −45.76 ± 0.2948
pull
Entries 81
Mean 169
Std Dev 125.2

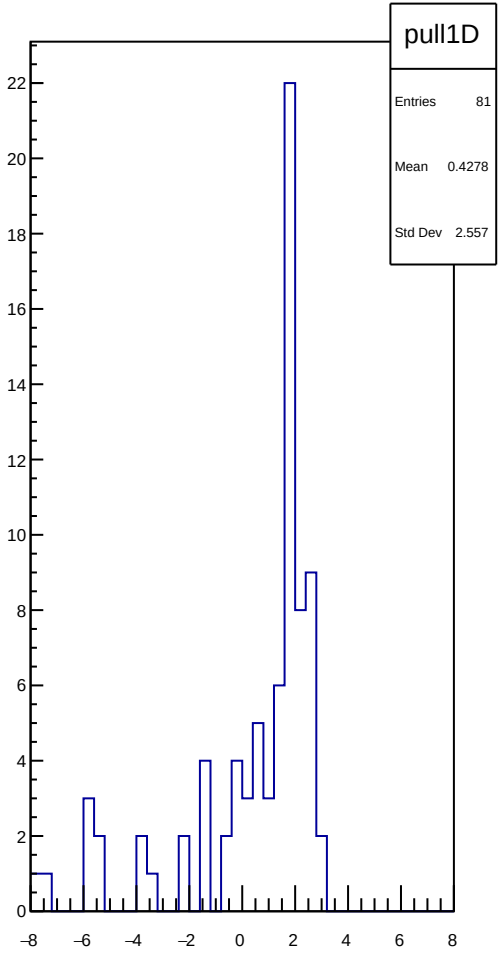

pull1D
Entries 81
Mean −0.1246
Std Dev 1.573

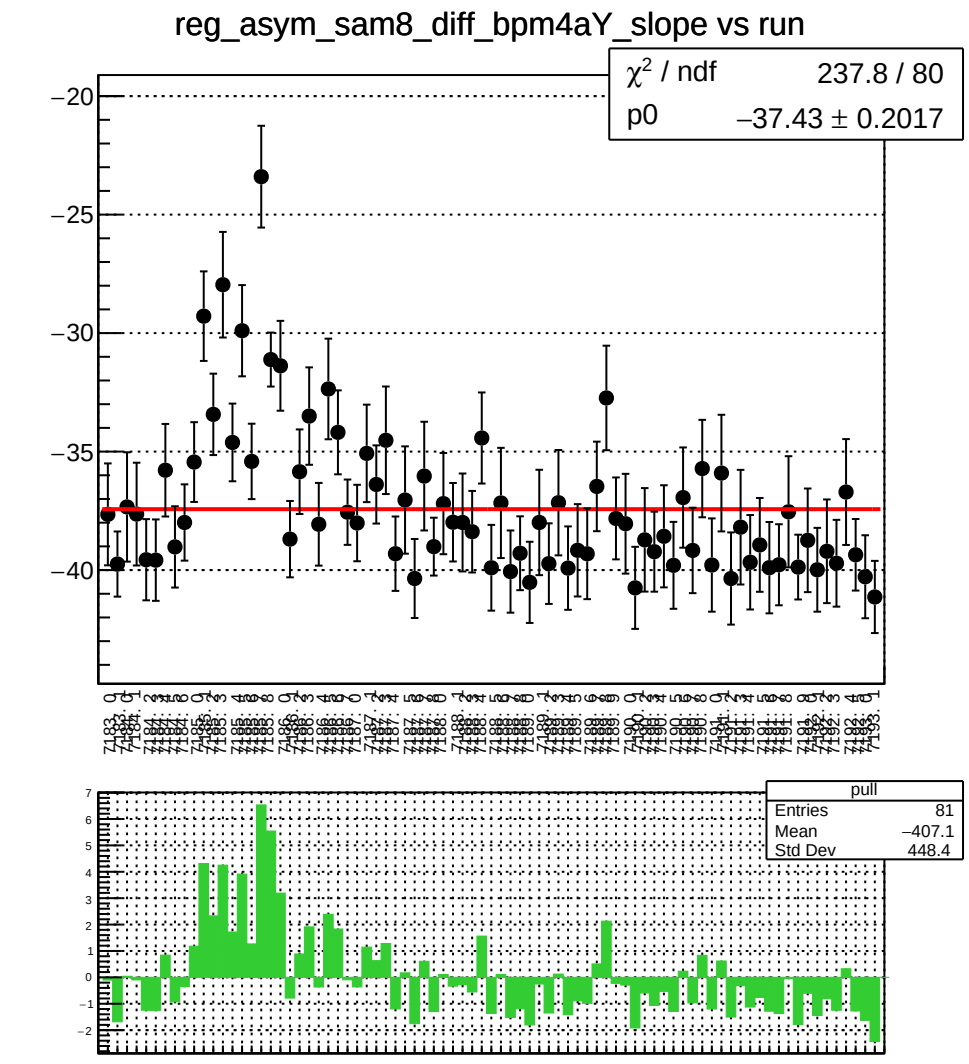

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 77.77 / 80
p0 −15.51 ± 0.2377
pull
Entries 81
Mean 1017
Std Dev 976.8

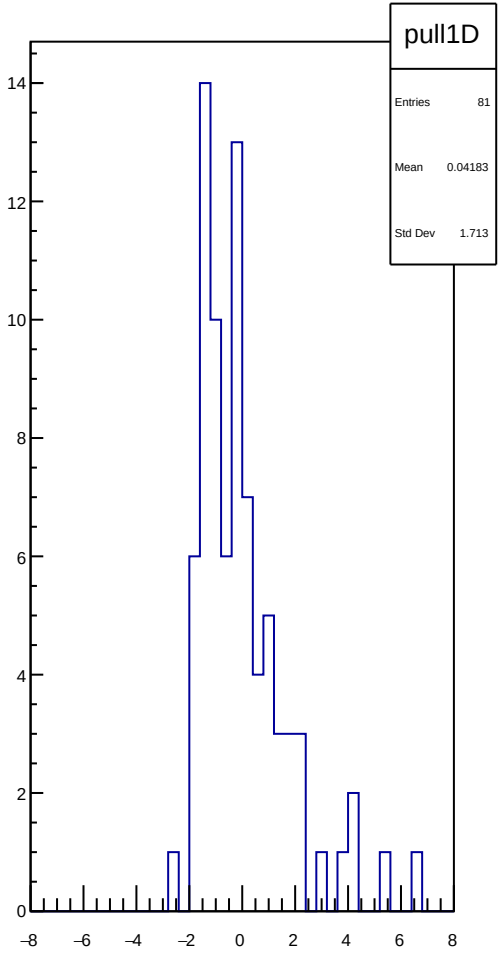

pull1D
Entries 81
Mean 0.01589
Std Dev 0.9798

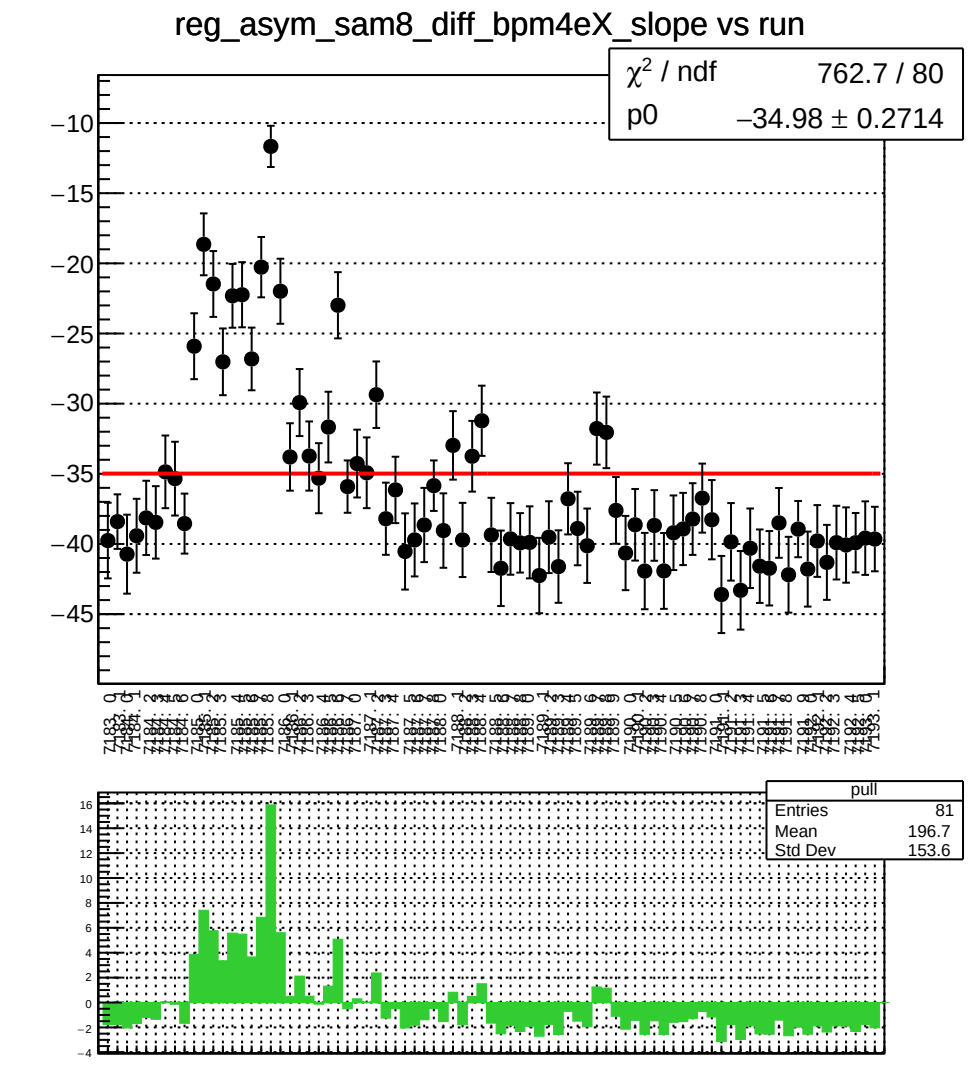

reg_asym_sam7_diff_bpm12X_slope vs run
$\chi^2$ / ndf 10.86 / 80
p0 0.4838 ± 0.01077
pull
Entries 81
Mean −1036
Std Dev 1063
pull1D
Entries 81
Mean −0.002134
Std Dev 0.3661

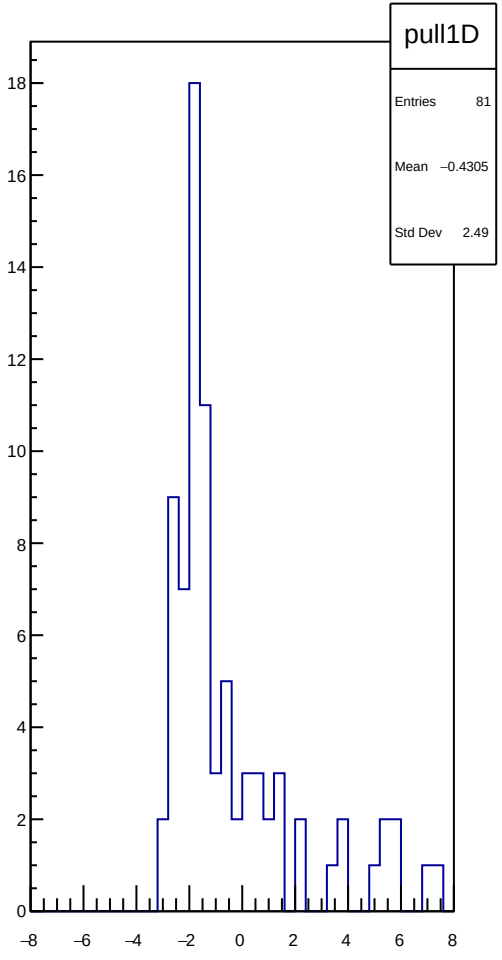

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 799.7 / 80
p0 5.8 ± 0.271
pull
Entries 81
Mean 203.9
Std Dev 160.7

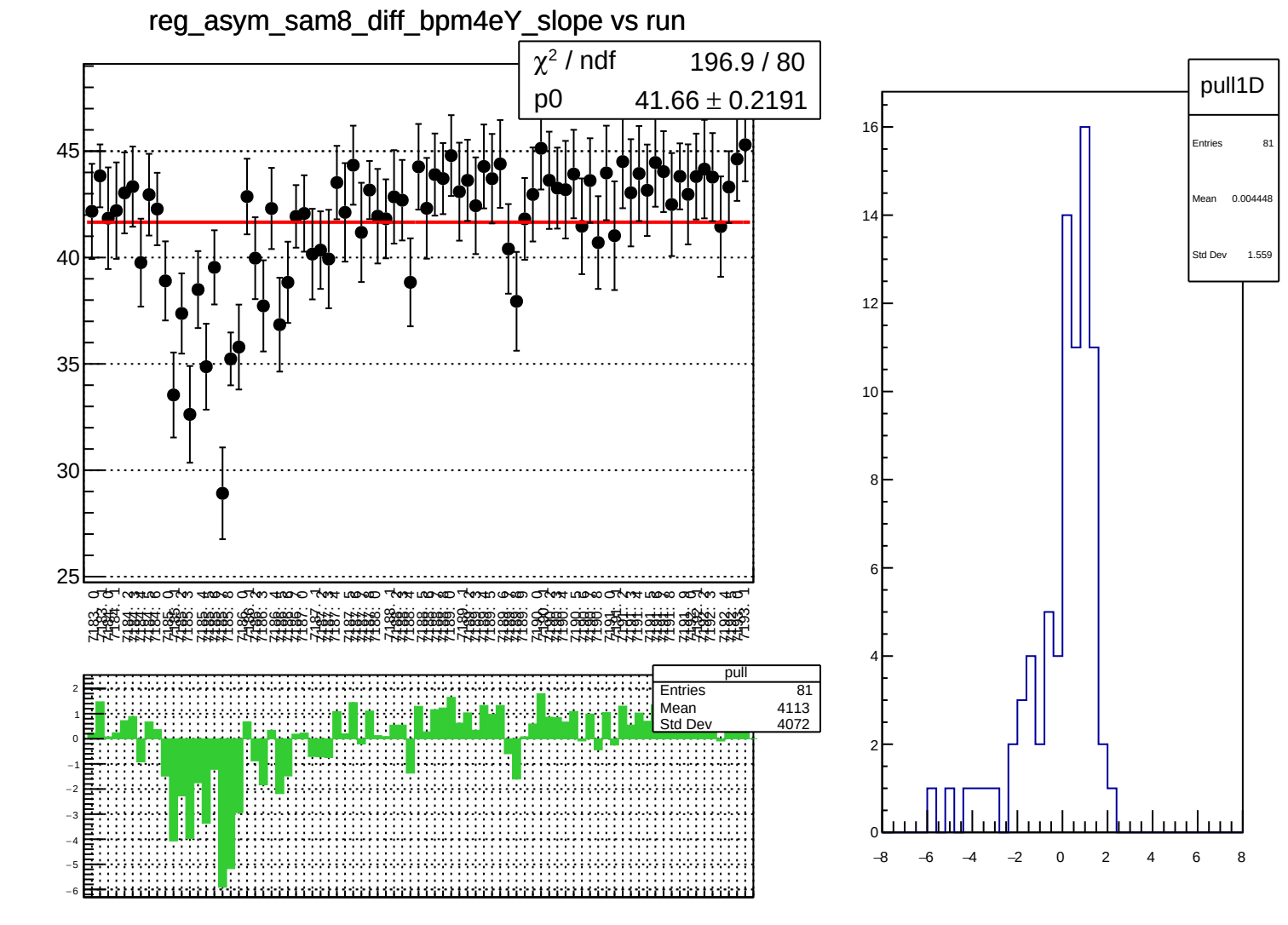

pull1D
Entries 81
Mean 0.4278
Std Dev 2.557

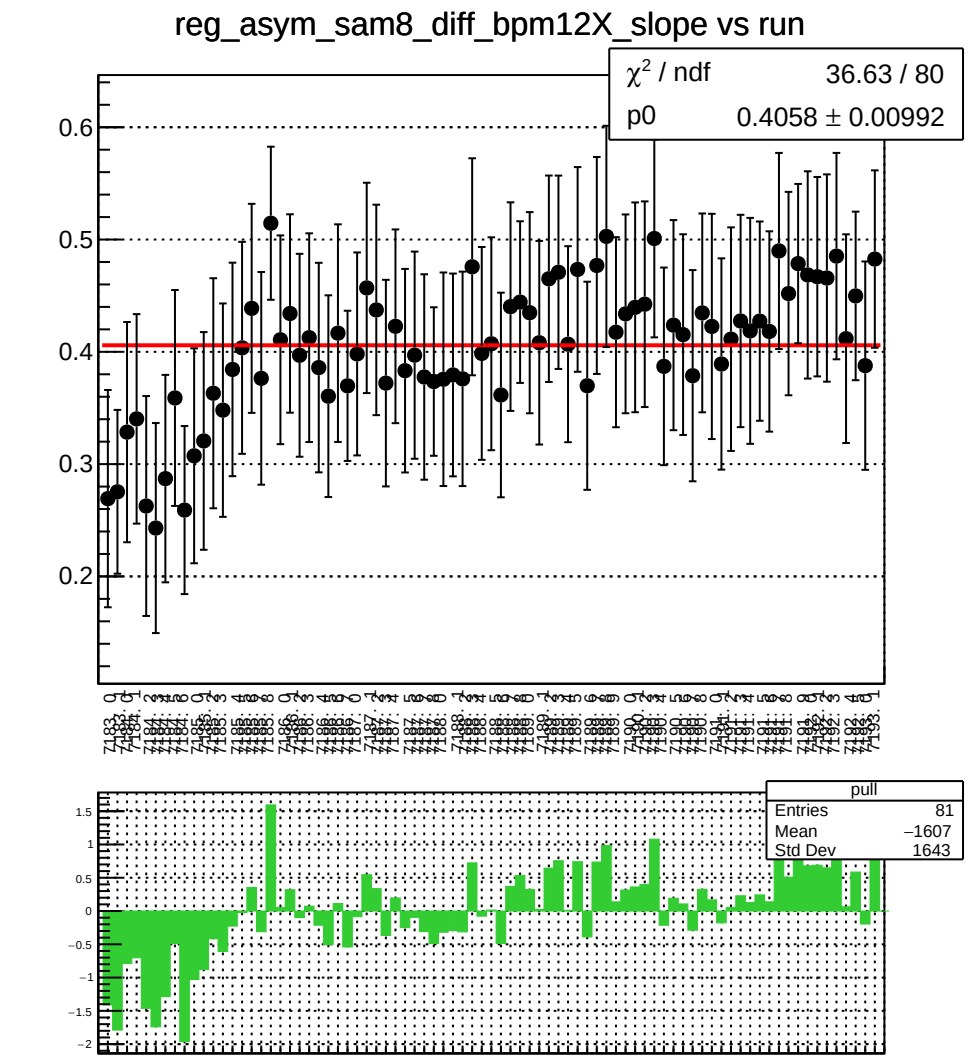

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 237.8 / 80
p0 −37.43 ± 0.2017
pull
Entries 81
Mean −407.1
Std Dev 448.4

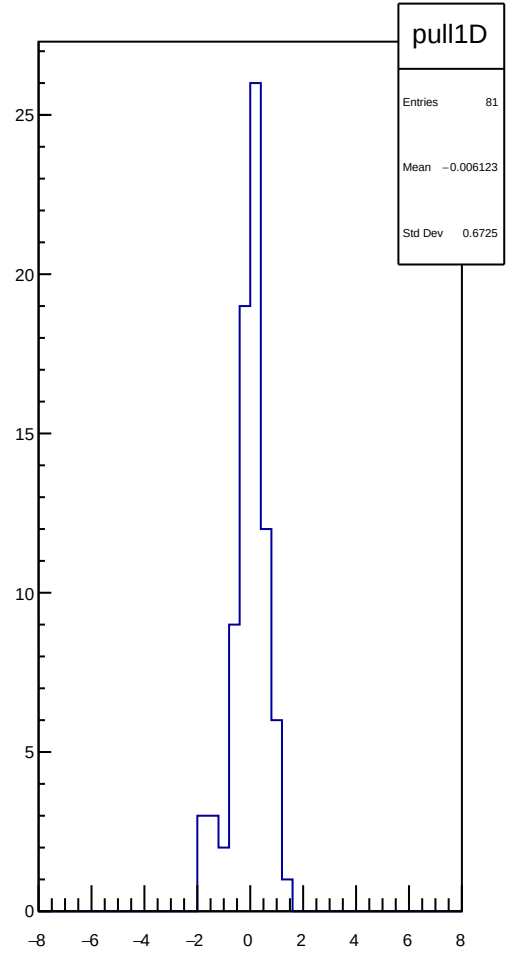

pull1D
Entries 81
Mean 0.04183
Std Dev 1.713

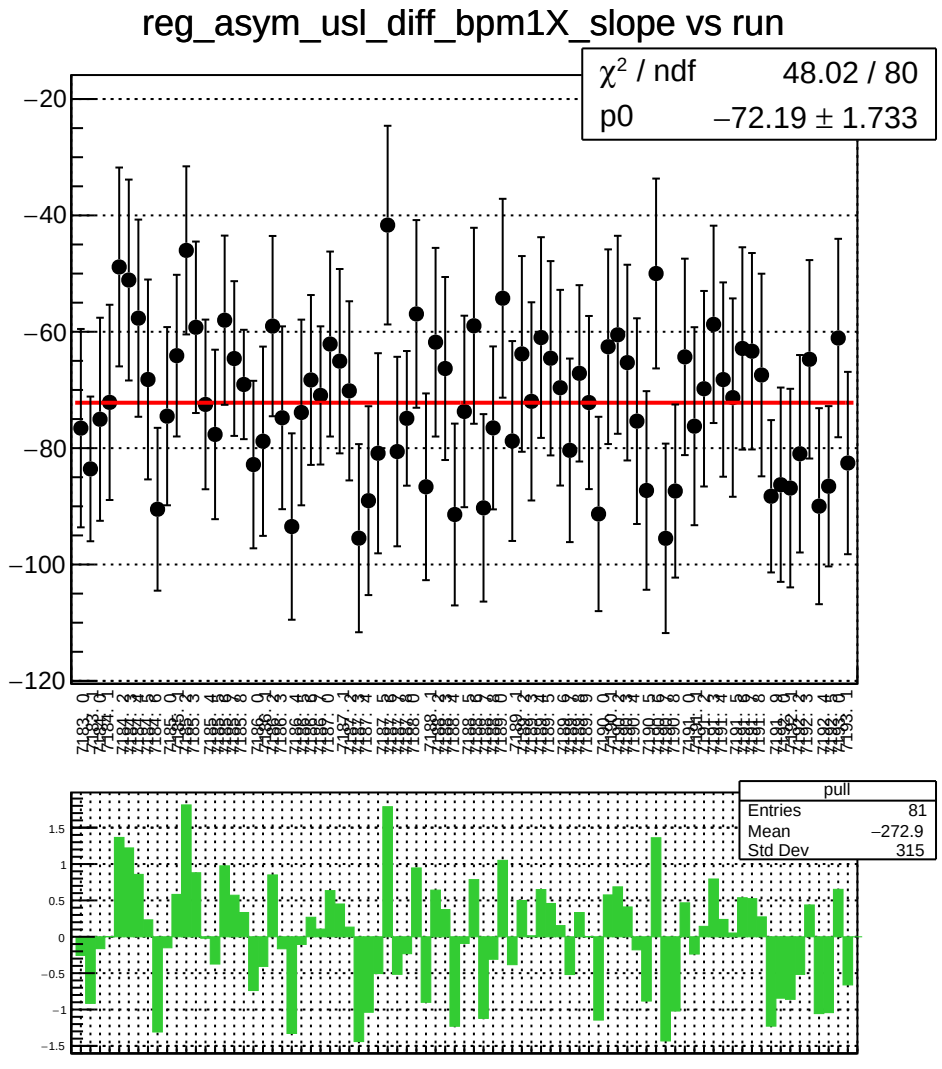

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 762.7 / 80
p0 −34.98 ± 0.2714
pull
Entries 81
Mean 196.7
Std Dev 153.6

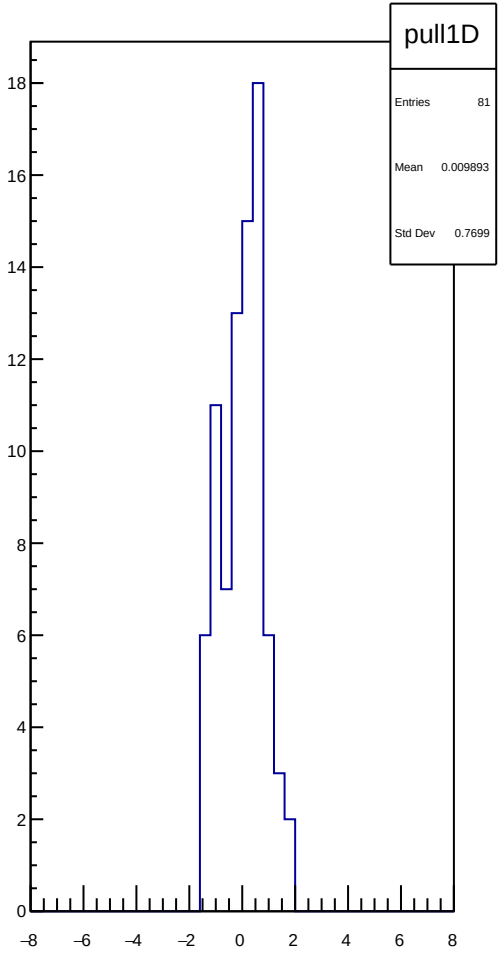

pull1D
Entries 81
Mean −0.4305
Std Dev 2.49

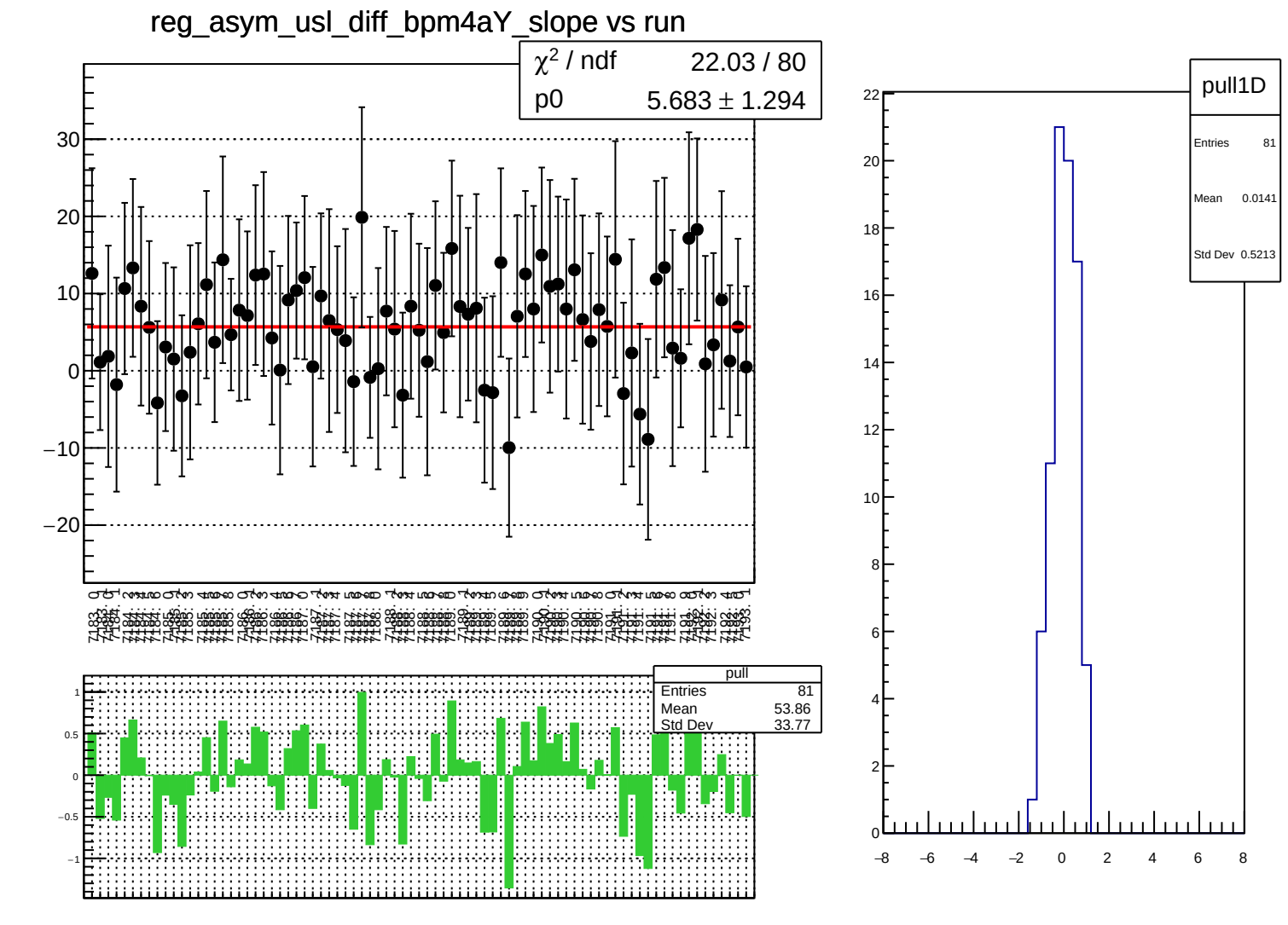

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 196.9 / 80
p0 41.66 ± 0.2191
pull
Entries 81
Mean 4113
Std Dev 4072
pull1D
Entries 81
Mean 0.004448
Std Dev 1.559

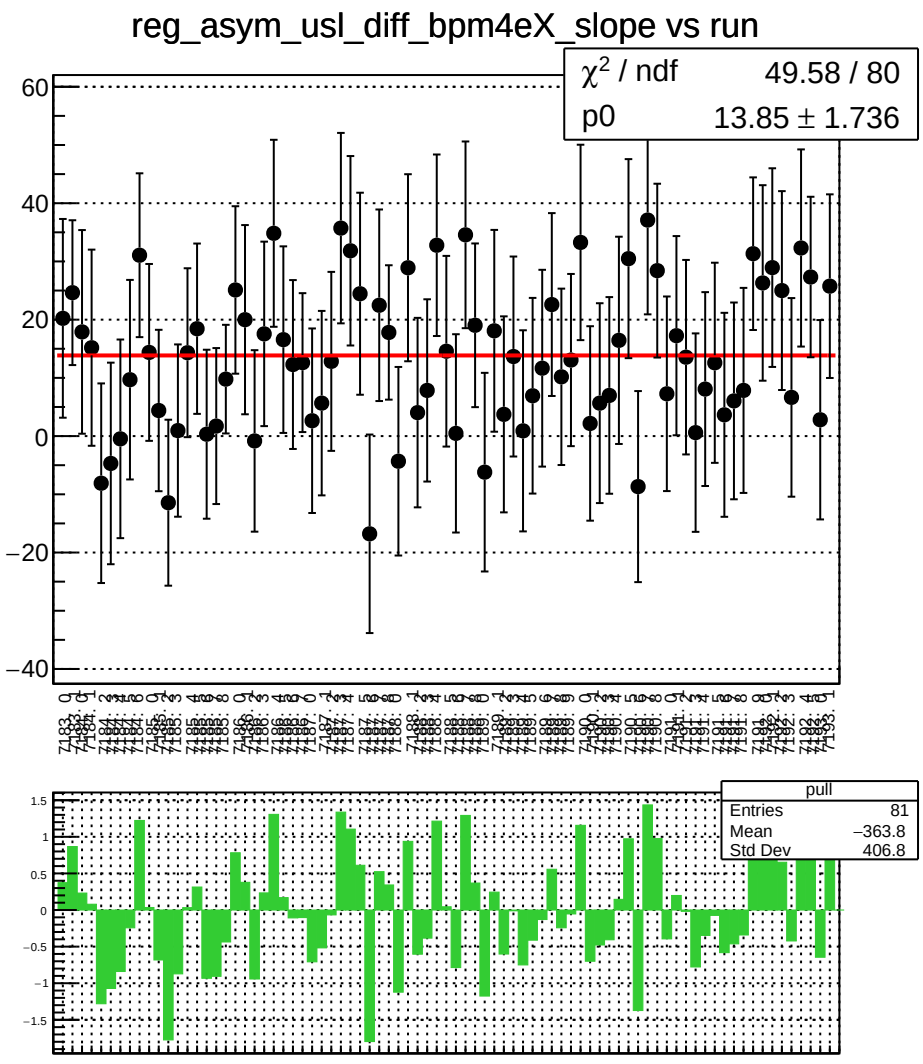

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 36.63 / 80
p0 0.4058 ± 0.00992
pull
Entries 81
Mean −1607
Std Dev 1643

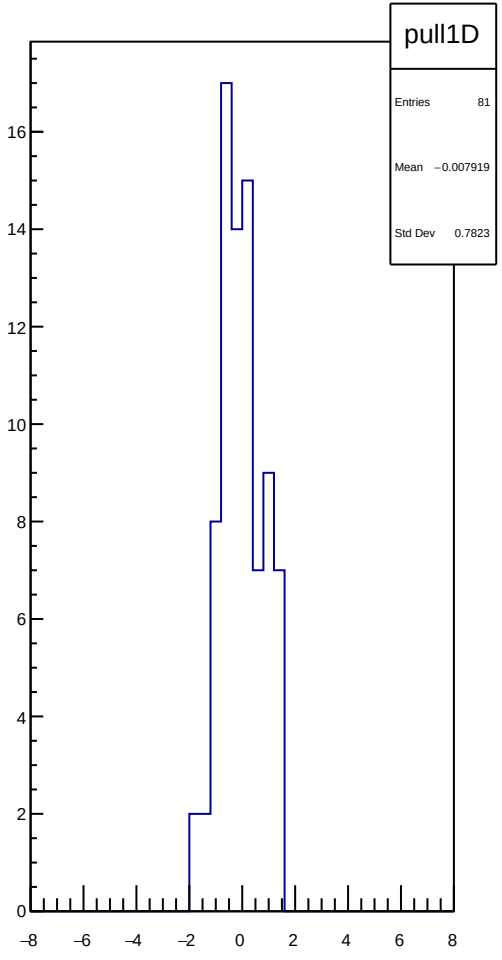

pull1D
Entries 81
Mean −0.006123
Std Dev 0.6725

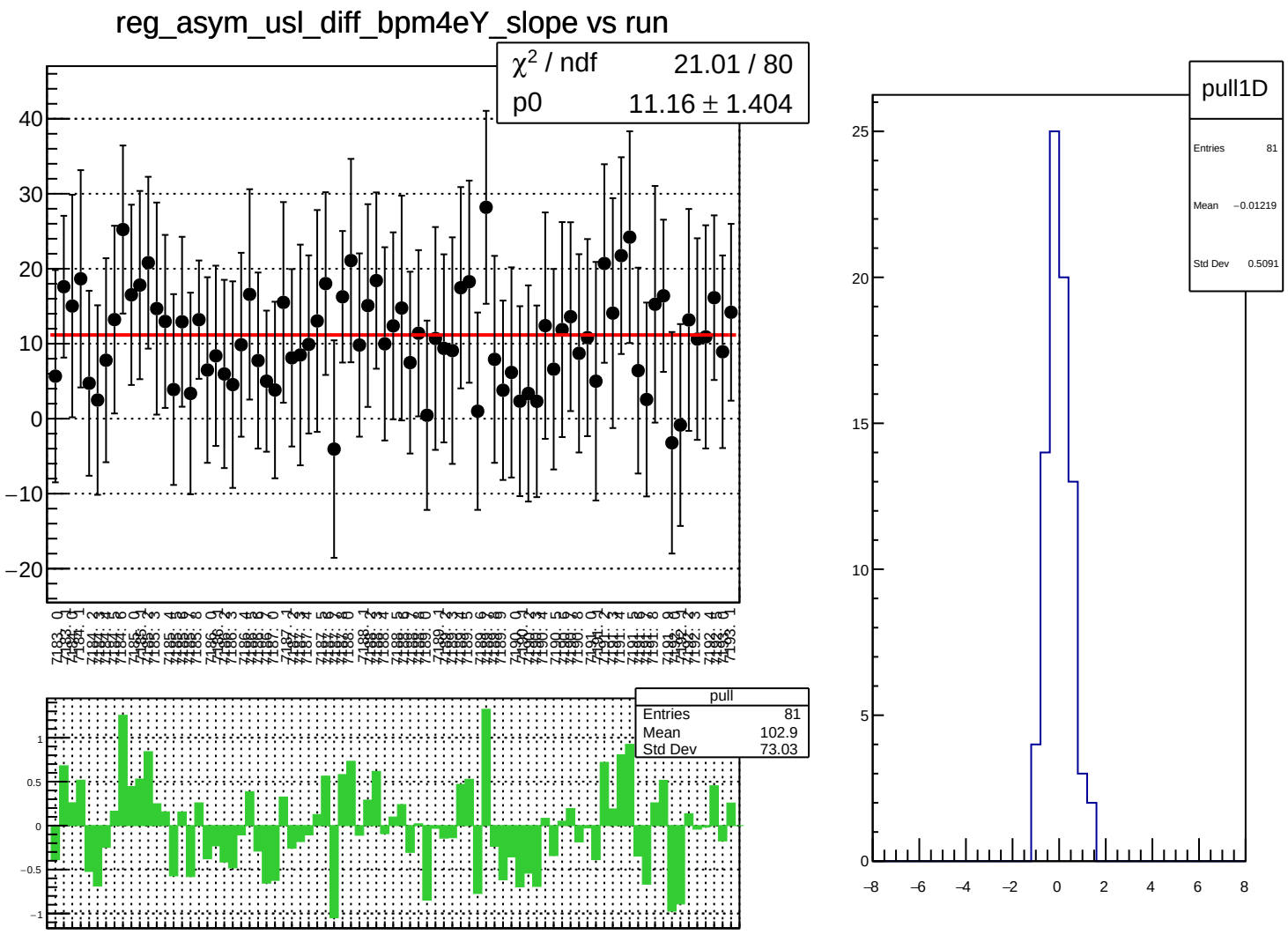

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 48.02 / 80
p0 −72.19 ± 1.733
pull
Entries 81
Mean −272.9
Std Dev 315

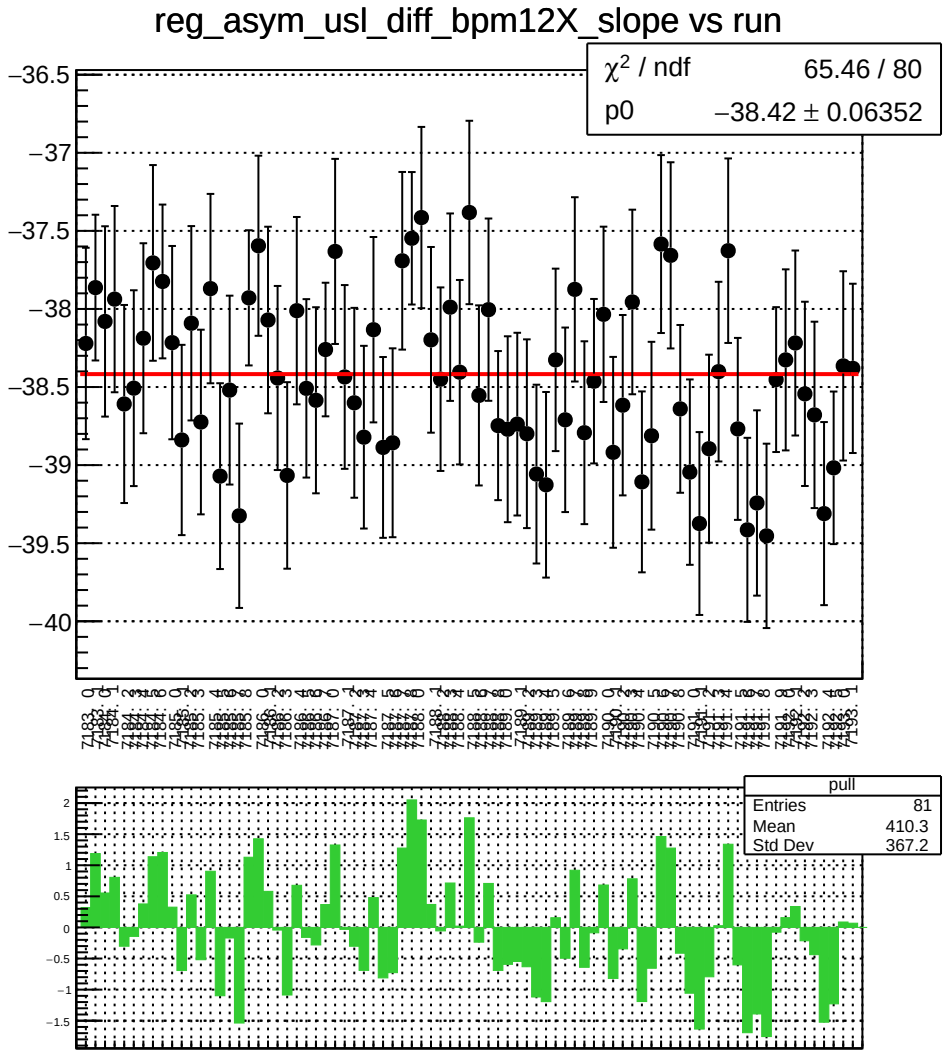

pull1D
Entries 81
Mean 0.009893
Std Dev 0.7699

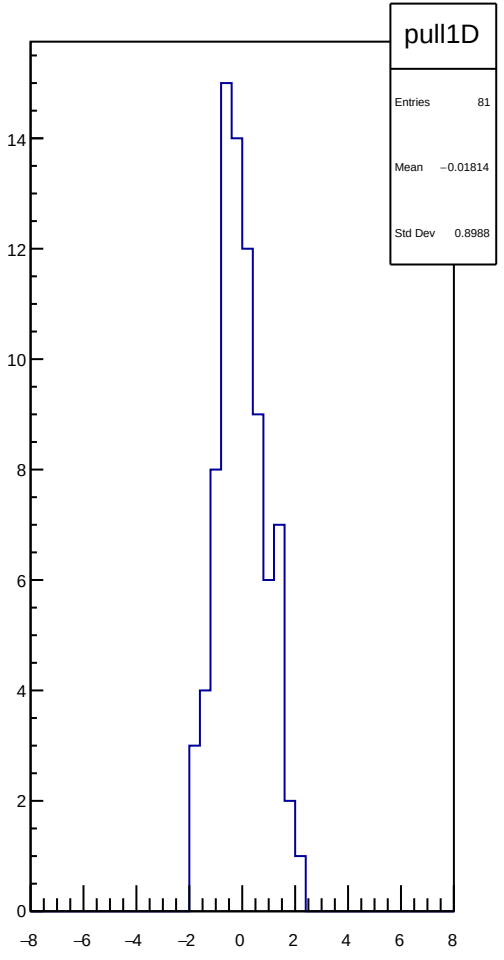

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 22.03 / 80
p0 5.683 ± 1.294
pull
Entries 81
Mean 53.86
Std Dev 33.77
pull1D
Entries 81
Mean 0.0141
Std Dev 0.5213

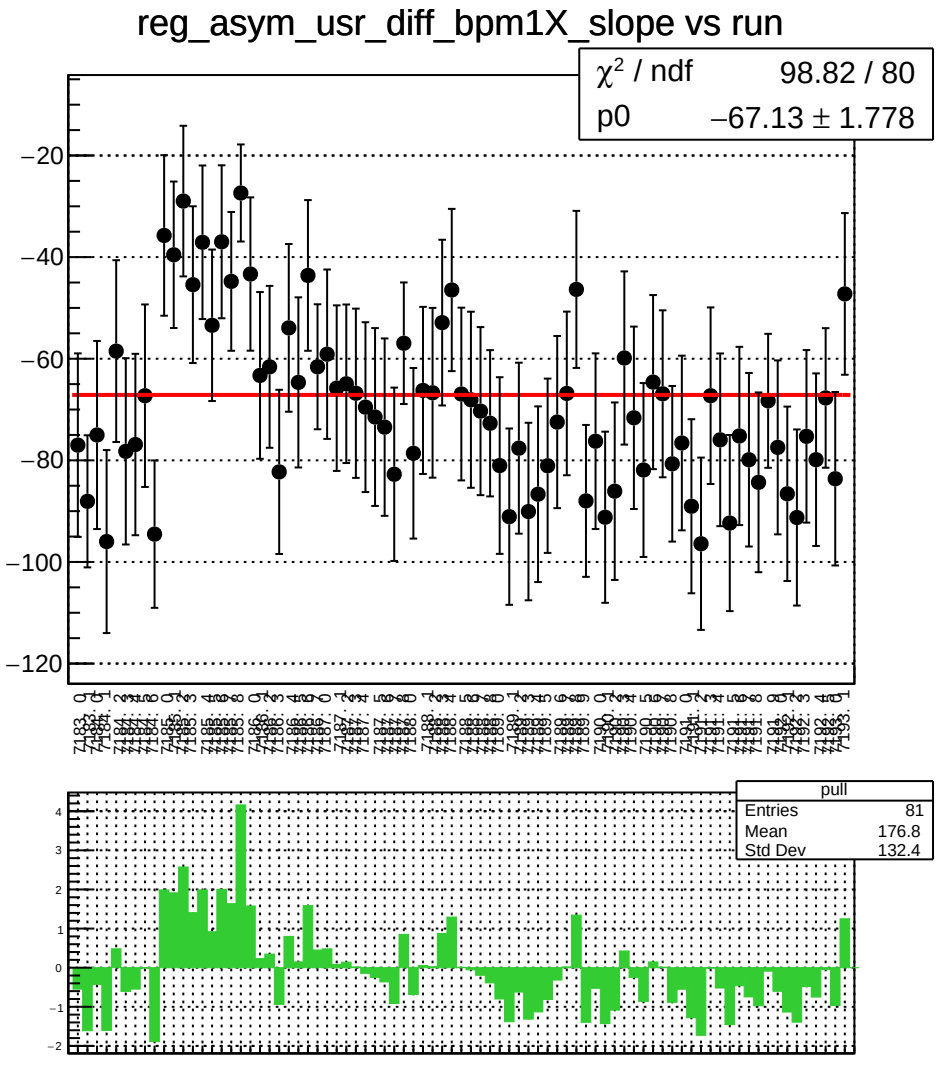

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 49.58 / 80
p0 13.85 ± 1.736
pull
Entries 81
Mean −363.8
Std Dev 406.8

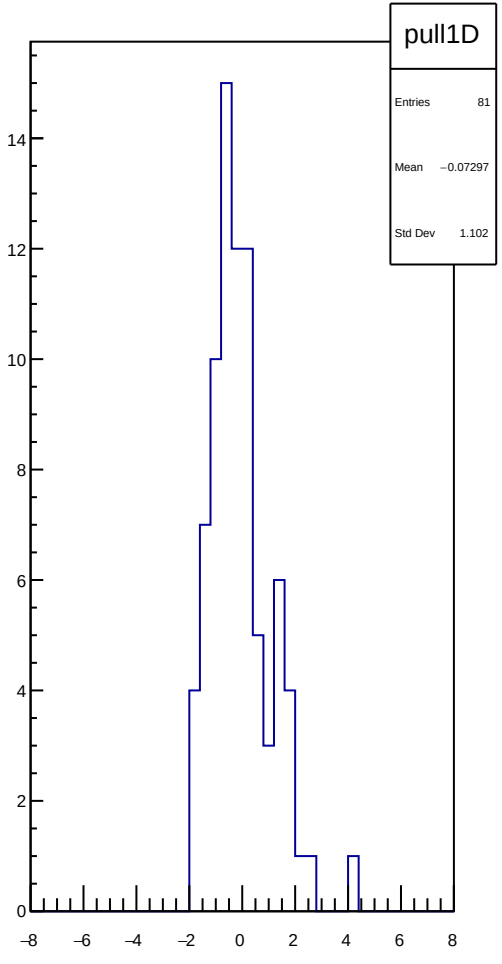

pull1D
Entries 81
Mean −0.007919
Std Dev 0.7823

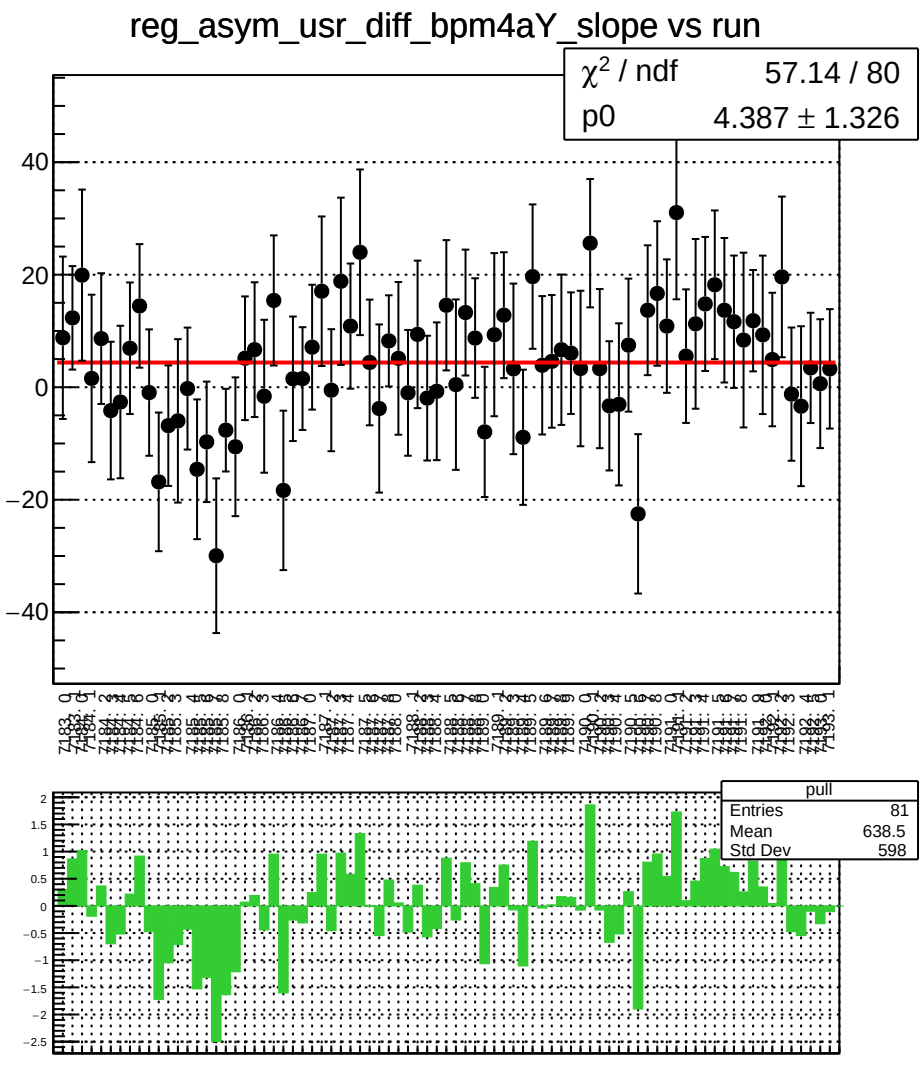

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 21.01 / 80
p0 11.16 ± 1.404
pull
Entries 81
Mean 102.9
Std Dev 73.03
pull1D
Entries 81
Mean −0.01219
Std Dev 0.5091

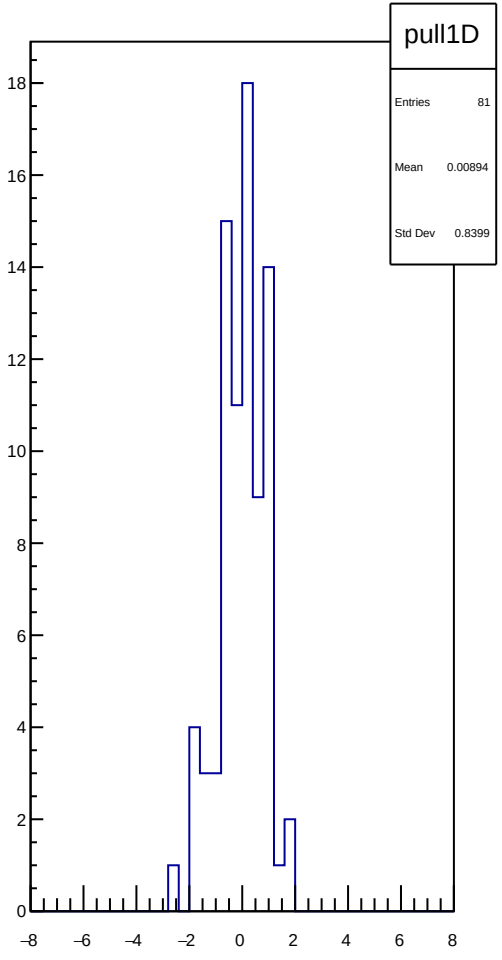

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 65.46 / 80
p0 −38.42 ± 0.06352
pull
Entries 81
Mean 410.3
Std Dev 367.2

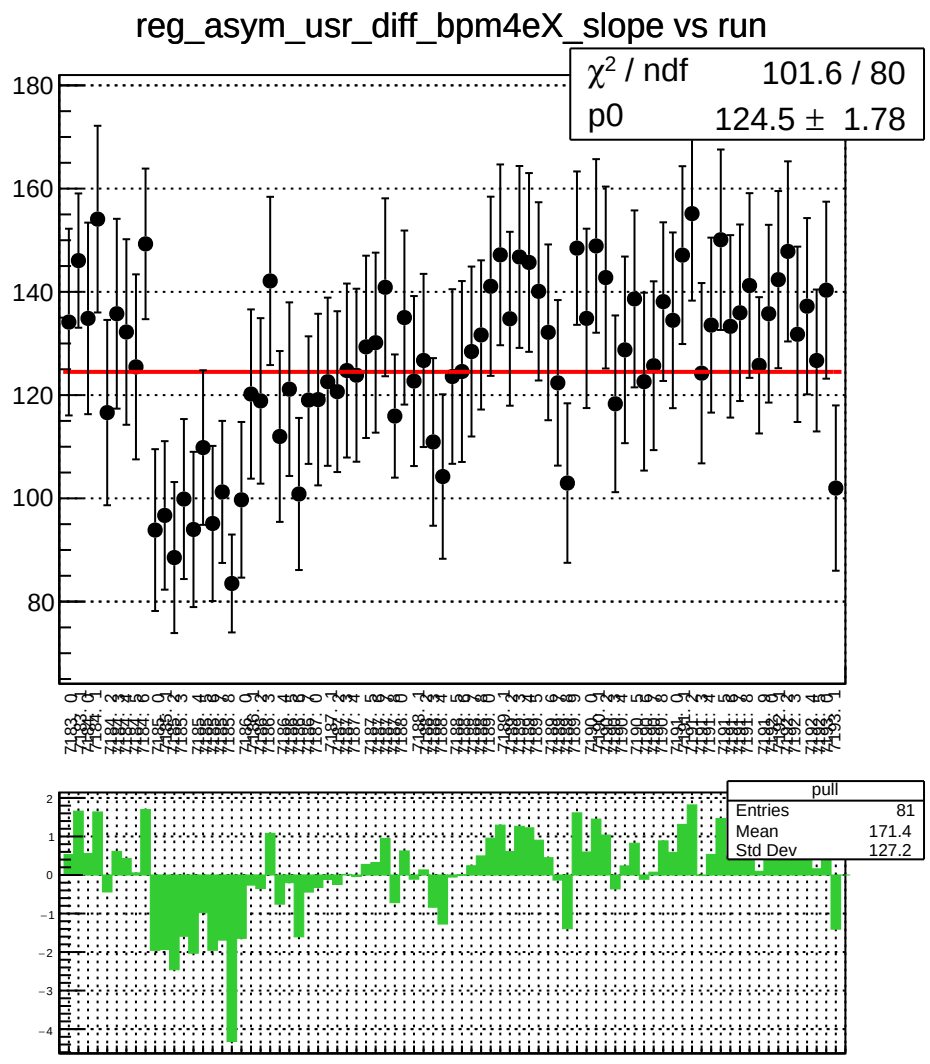

pull1D
Entries 81
Mean −0.01814
Std Dev 0.8988

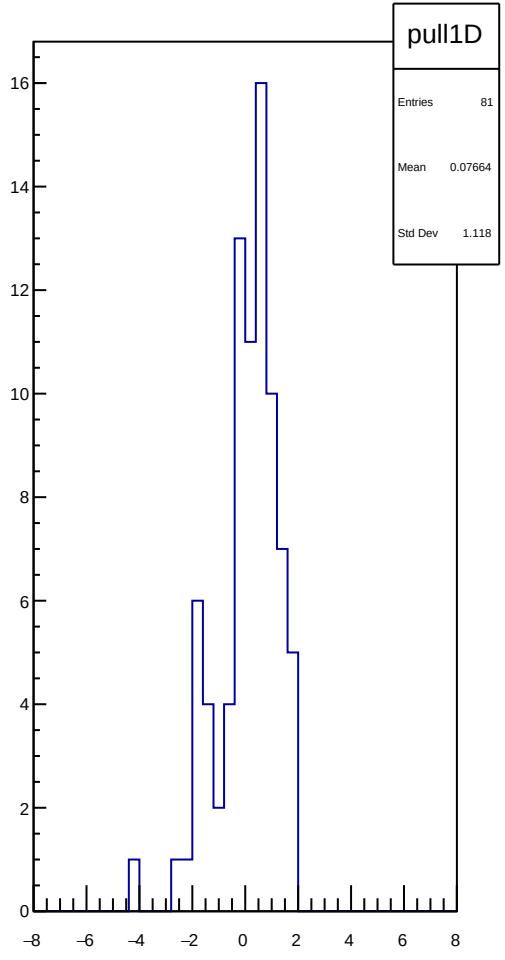

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 98.82 / 80
p0 −67.13 ± 1.778
pull
Entries 81
Mean 176.8
Std Dev 132.4

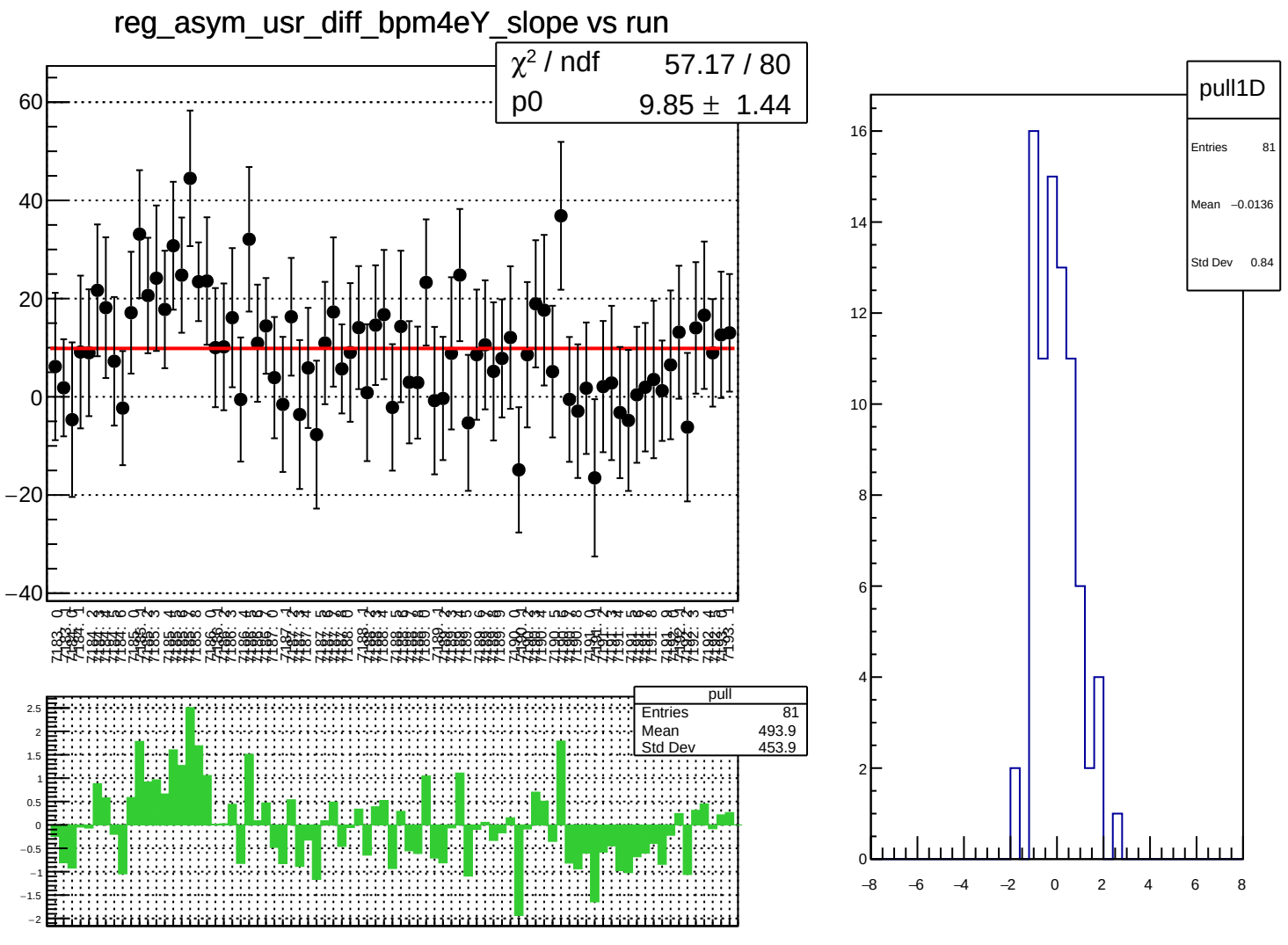

pull1D
Entries 81
Mean −0.07297
Std Dev 1.102

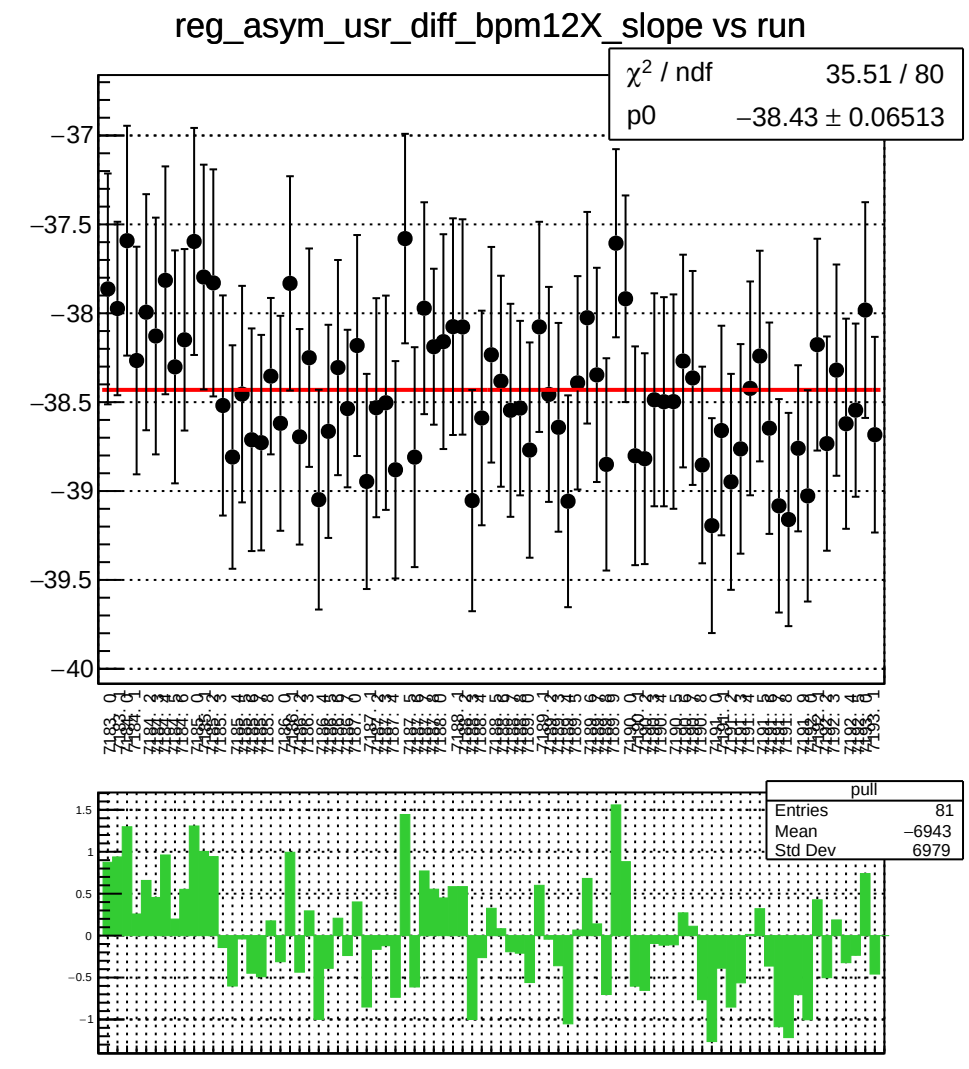

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 57.14 / 80
p0 4.387 ± 1.326
pull
Entries 81
Mean 638.5
Std Dev 598

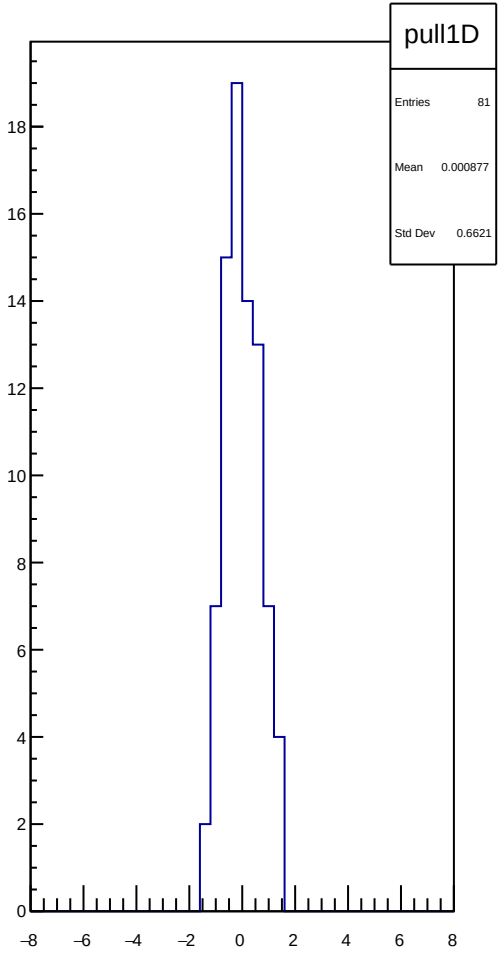

pull1D
Entries 81
Mean 0.00894
Std Dev 0.8399

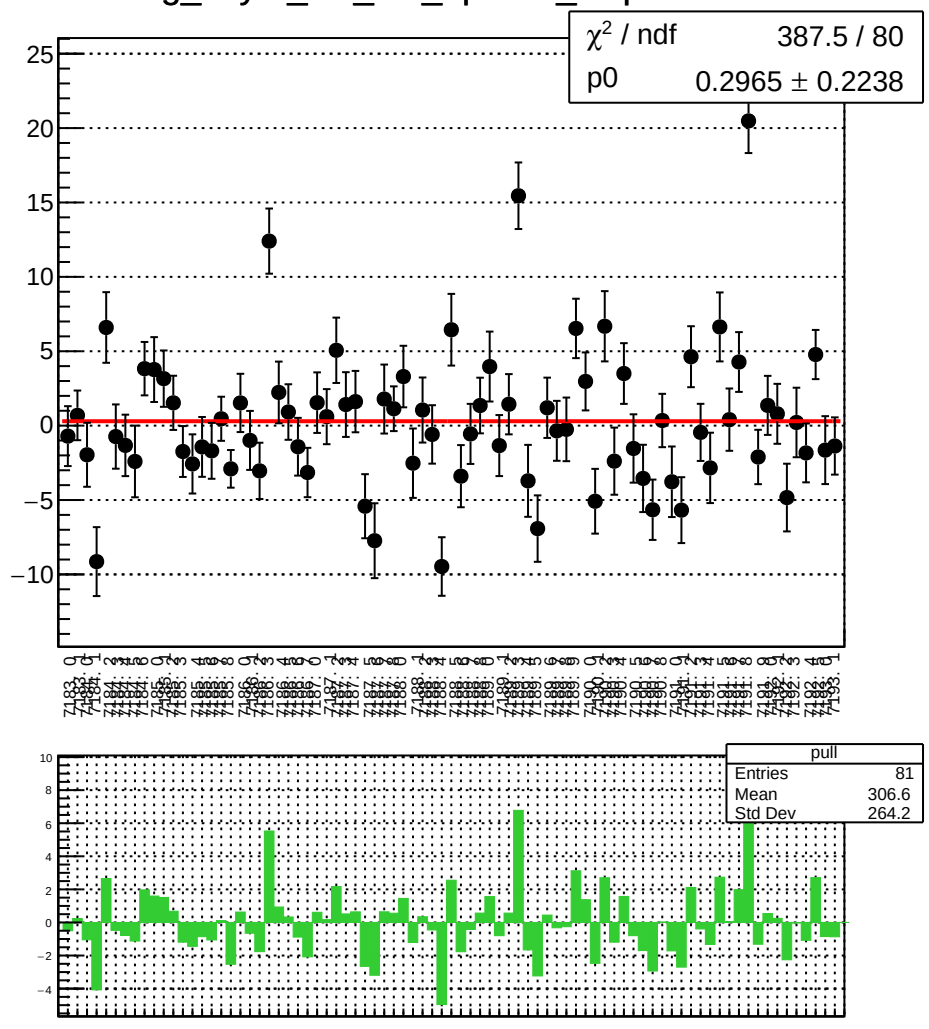

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 101.6 / 80
p0 124.5 ± 1.78
180
160
140
120
100
80
pull
Entries 81
Mean 171.4
Std Dev 127.2
2
1
0
−1
−2
−3
−4

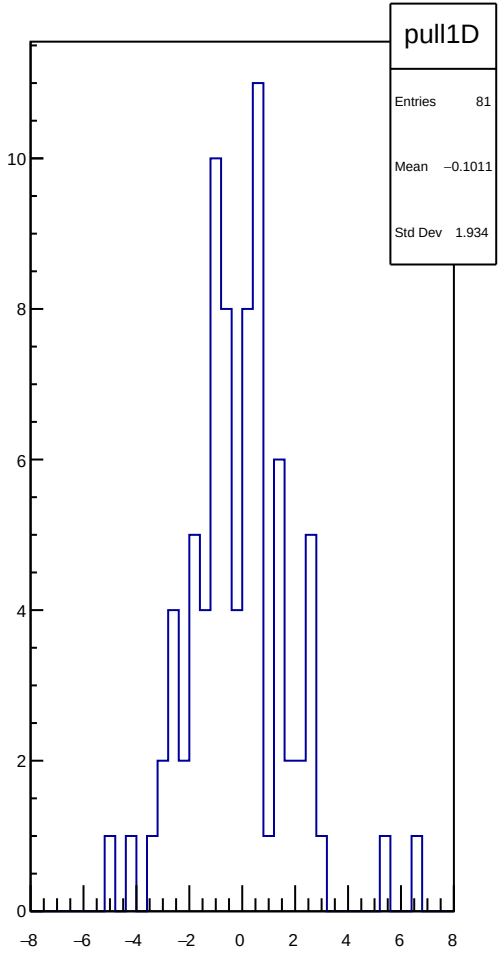

pull1D
Entries 81
Mean 0.07664
Std Dev 1.118
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

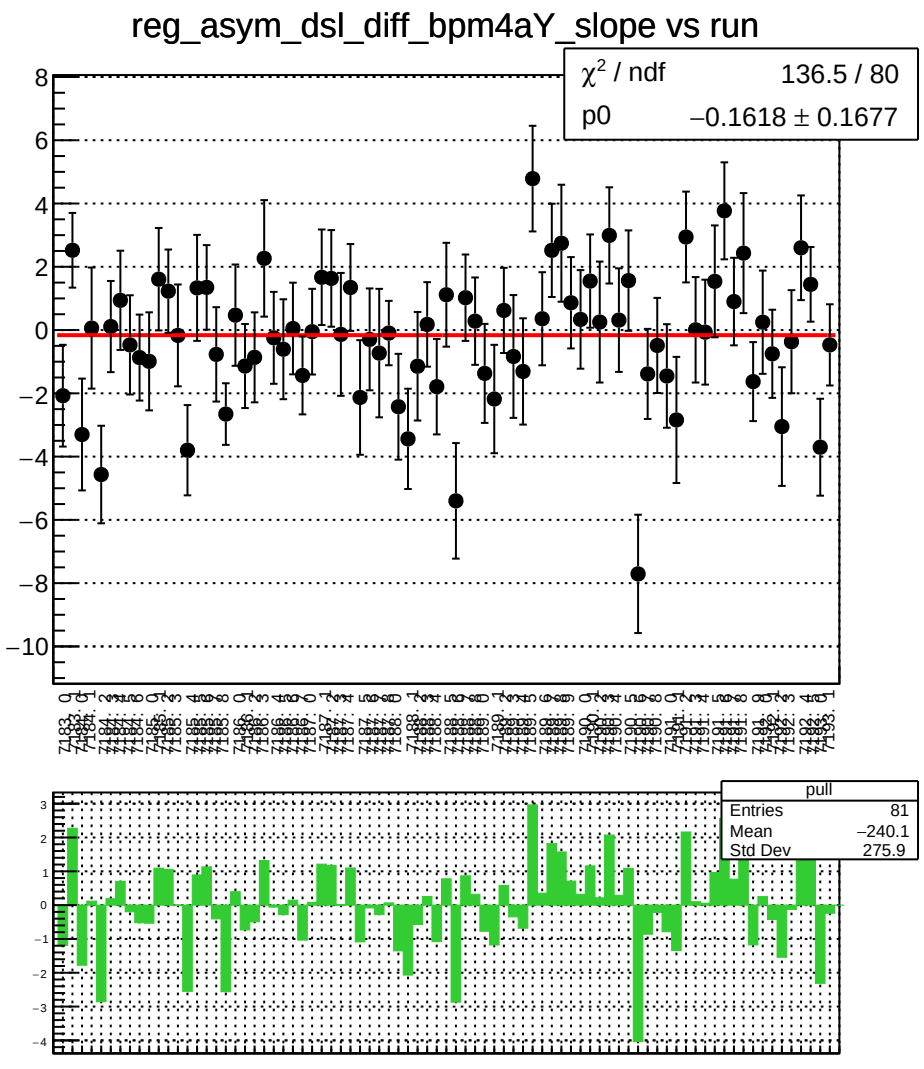

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 57.17 / 80
p0 9.85 ± 1.44
pull
Entries 81
Mean 493.9
Std Dev 453.9
pull1D
Entries 81
Mean −0.0136
Std Dev 0.84

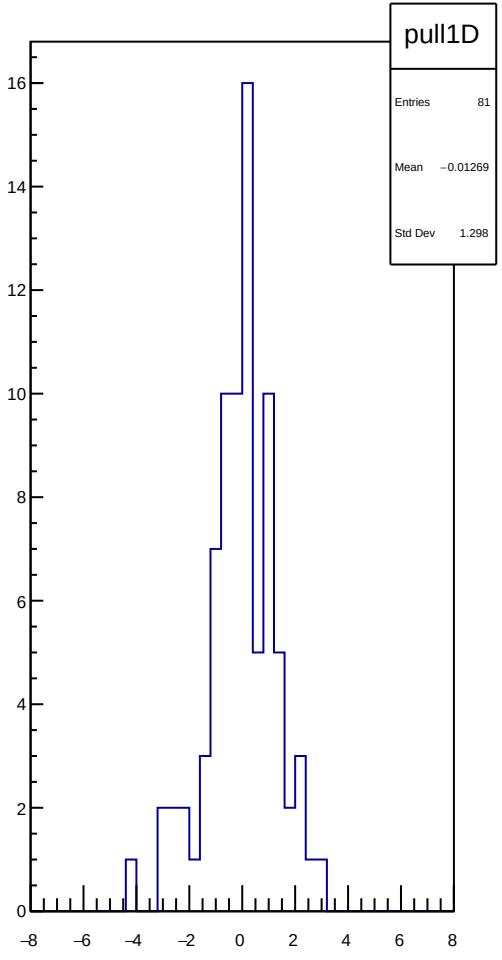

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 35.51 / 80
p0 −38.43 ± 0.06513
pull
Entries 81
Mean −6943
Std Dev 6979

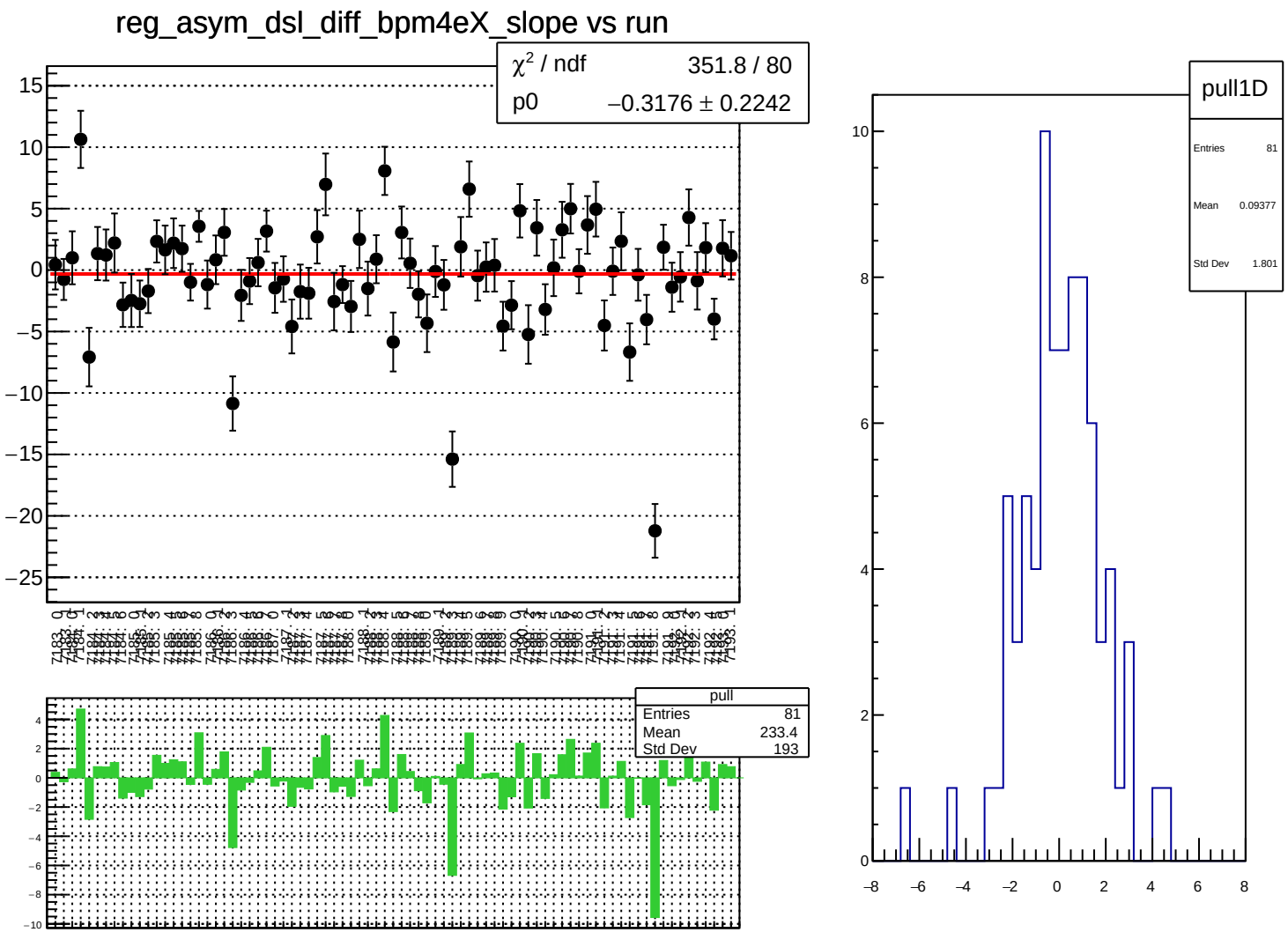

pull1D
Entries 81
Mean 0.000877
Std Dev 0.6621

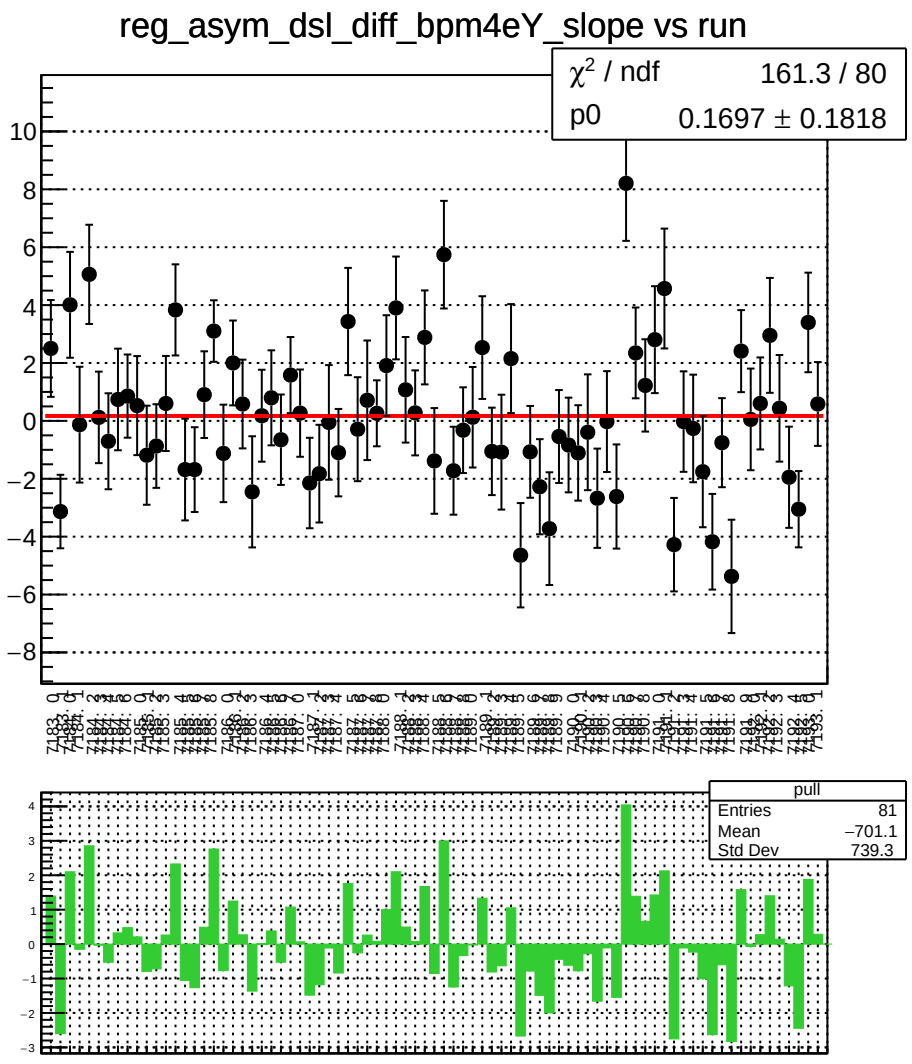

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 387.5 / 80
p0 0.2965 ± 0.2238
pull
Entries 81
Mean 306.6
Std Dev 264.2

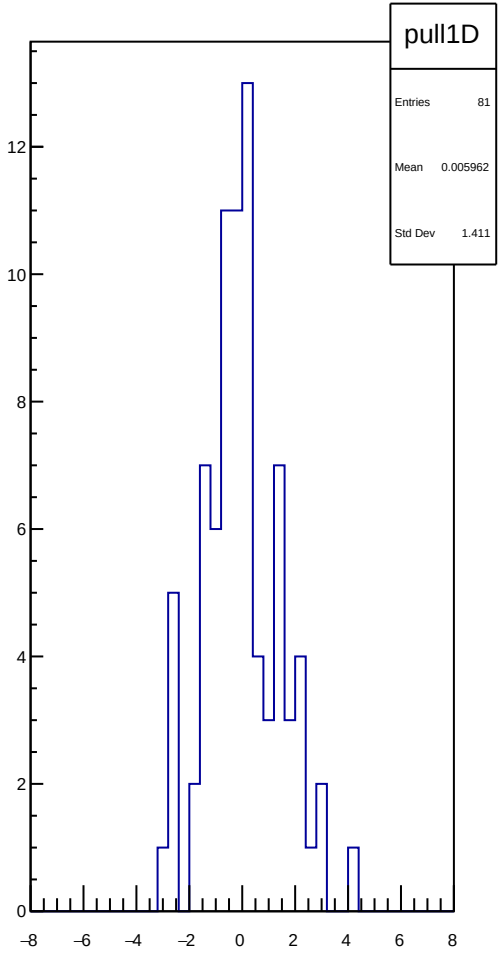

pull1D
Entries 81
Mean −0.1011
Std Dev 1.934

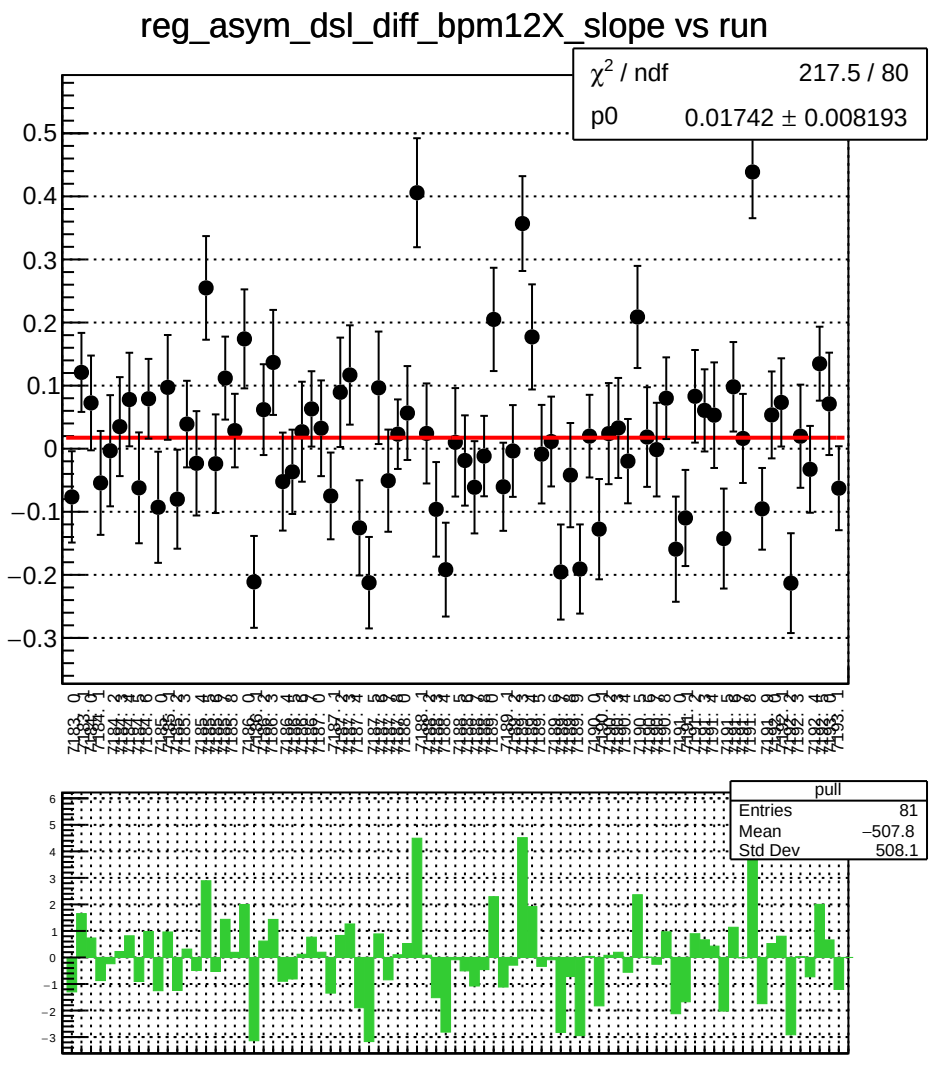

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 136.5 / 80
p0 −0.1618 ± 0.1677
pull
Entries 81
Mean −240.1
Std Dev 275.9

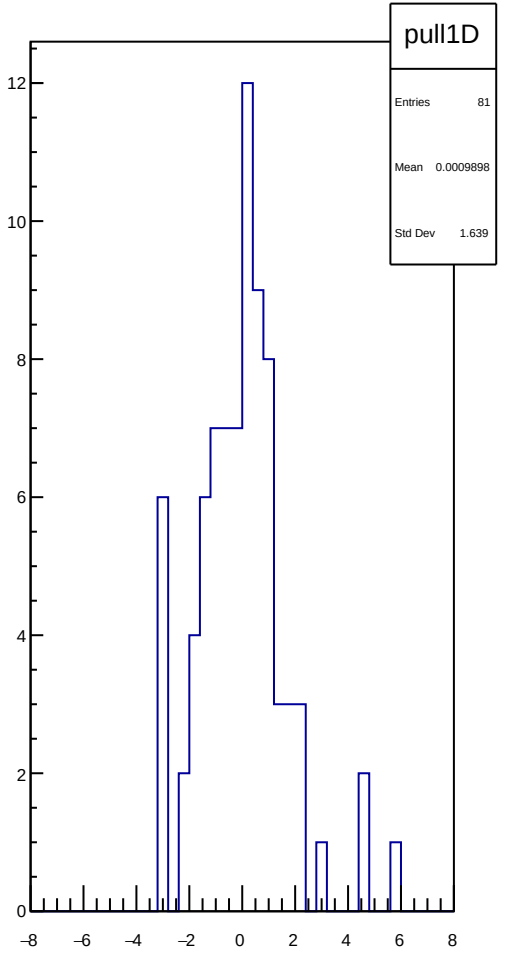

pull1D
Entries 81
Mean −0.01269
Std Dev 1.298

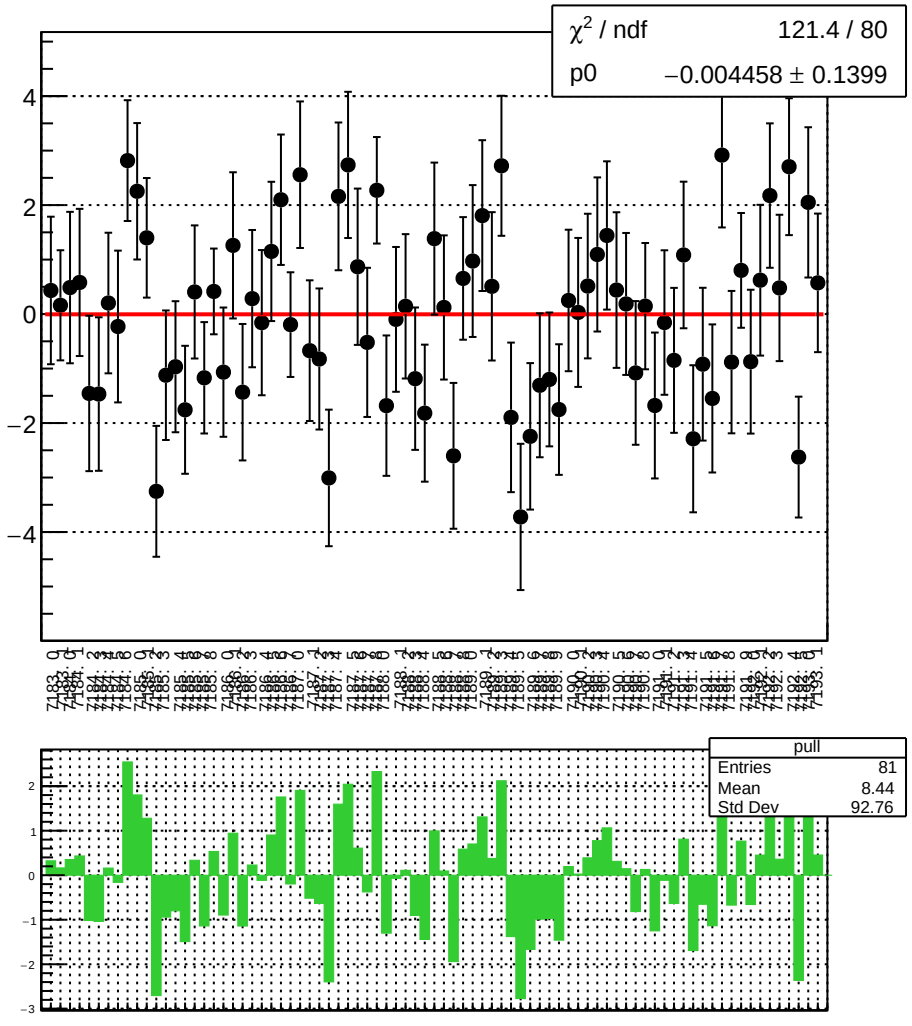

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 351.8 / 80
p0 −0.3176 ± 0.2242
pull
Entries 81
Mean 233.4
Std Dev 193
pull1D
Entries 81
Mean 0.09377
Std Dev 1.801

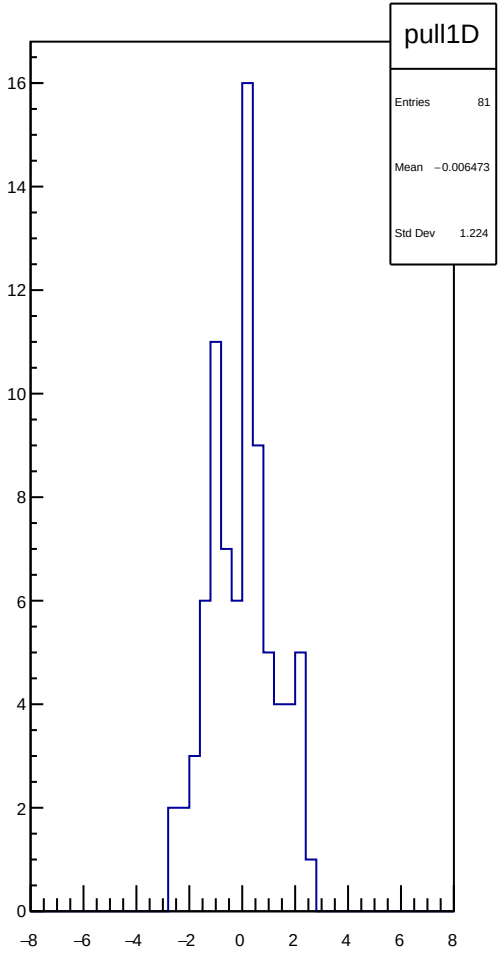

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 161.3 / 80
p0 0.1697 ± 0.1818
pull
Entries 81
Mean −701.1
Std Dev 739.3

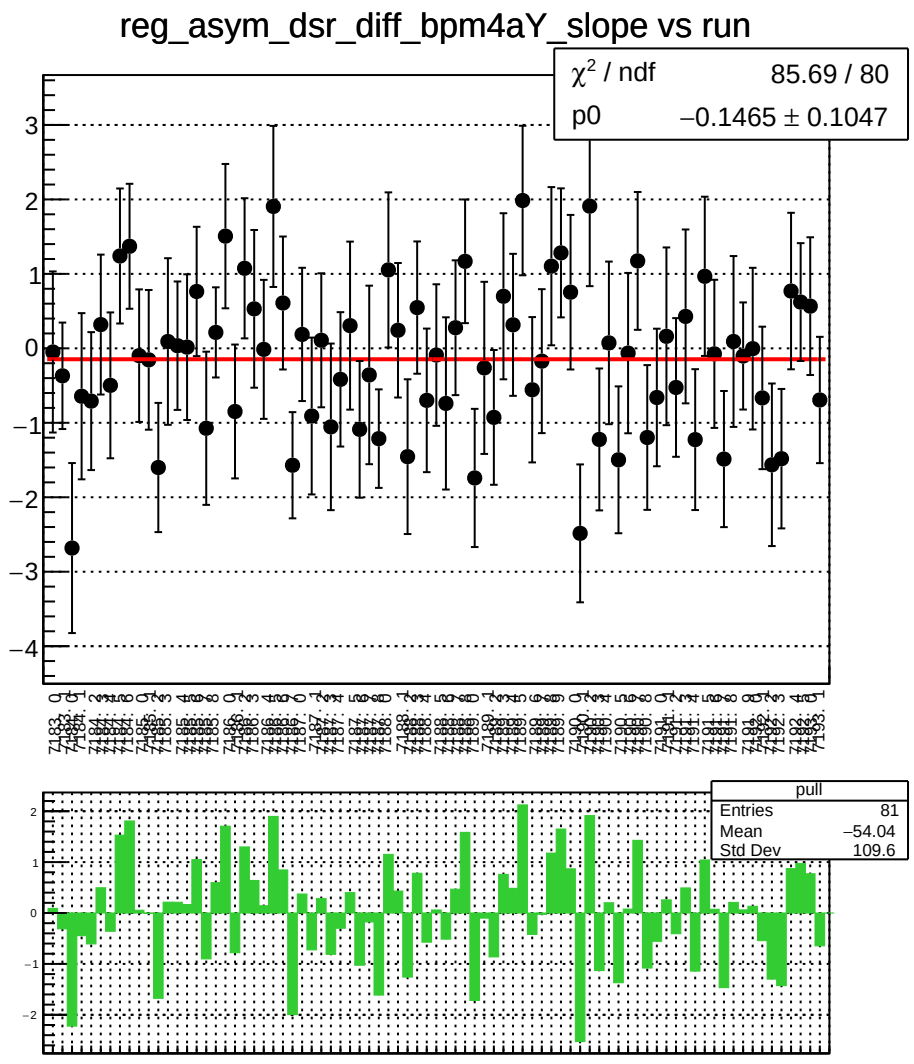

pull1D
Entries 81
Mean 0.005962
Std Dev 1.411

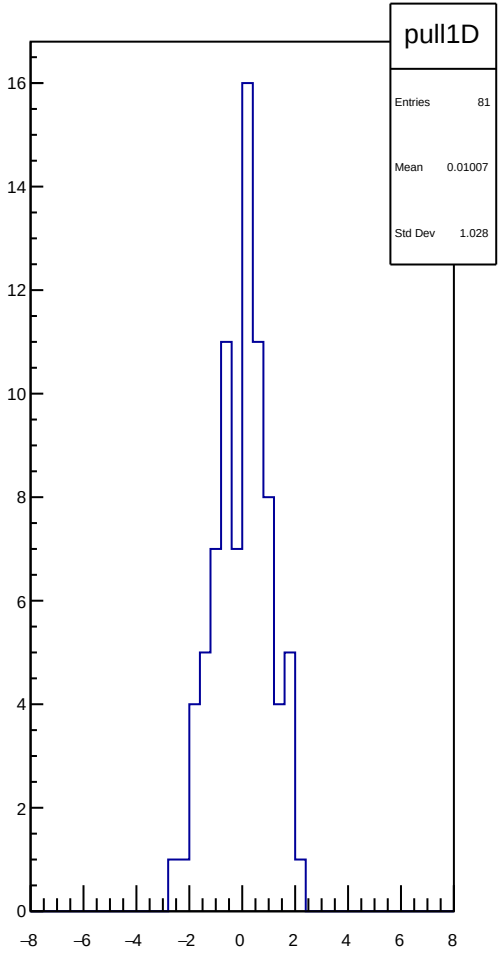

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 217.5 / 80
p0 0.01742 ± 0.008193
pull
Entries 81
Mean −507.8
Std Dev 508.1

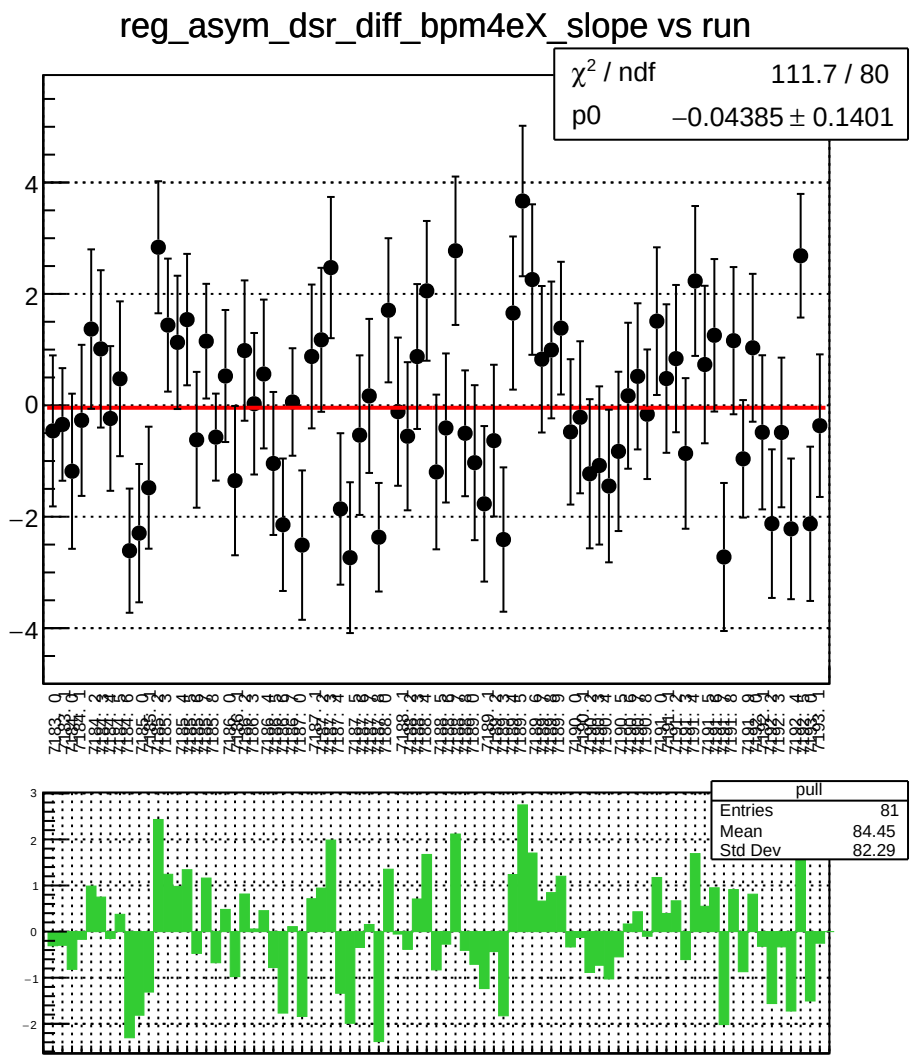

pull1D
Entries 81
Mean 0.0009898
Std Dev 1.639

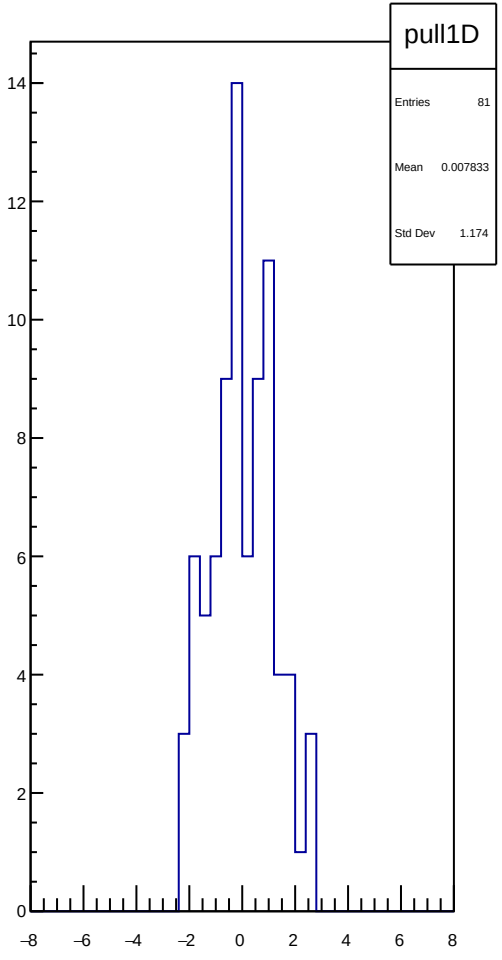

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 121.4 / 80
p0 −0.004458 ± 0.1399
pull
Entries 81
Mean 8.44
Std Dev 92.76

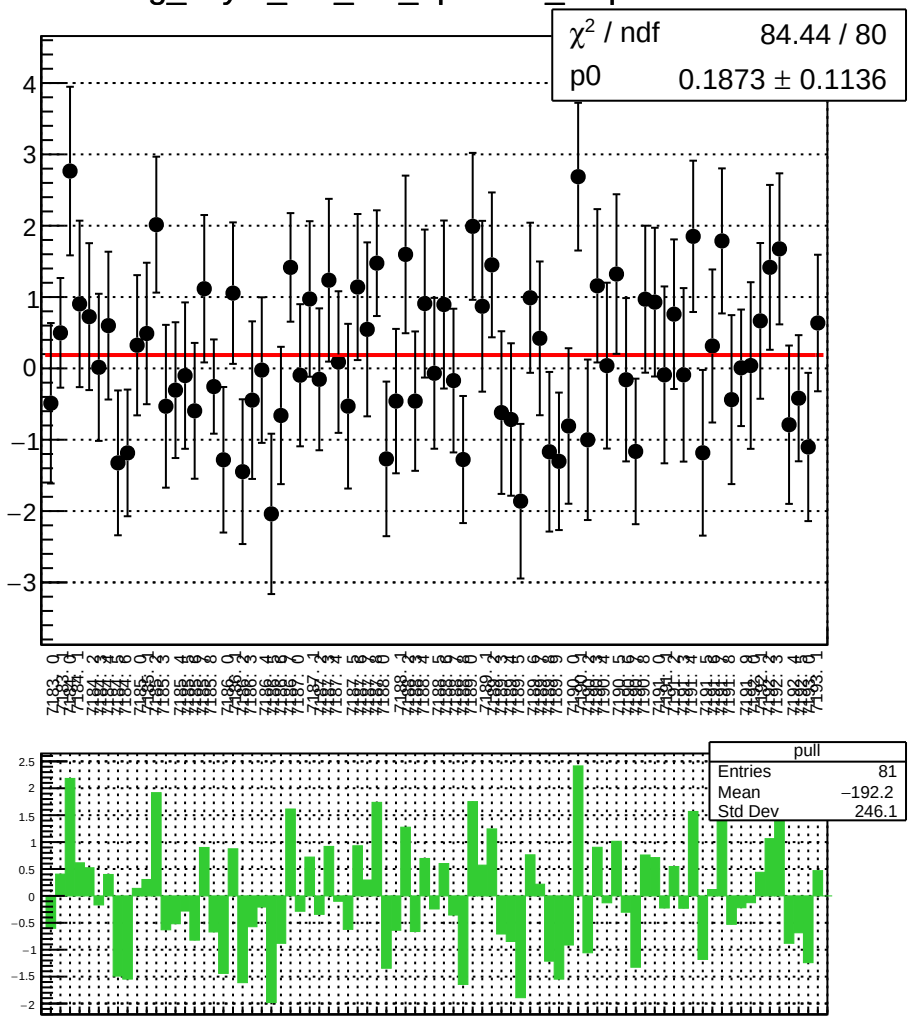

pull1D
Entries 81
Mean −0.006473
Std Dev 1.224

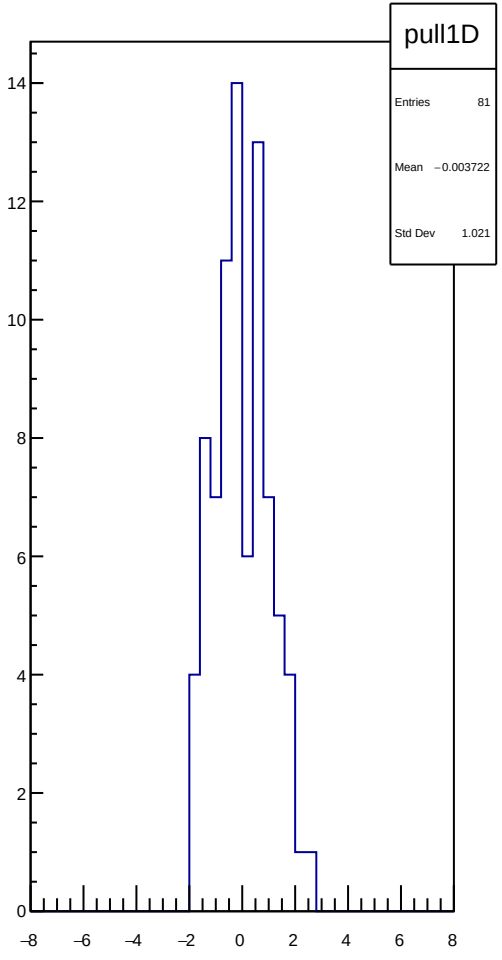

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 85.69 / 80
p0 −0.1465 ± 0.1047
pull
Entries 81
Mean −54.04
Std Dev 109.6

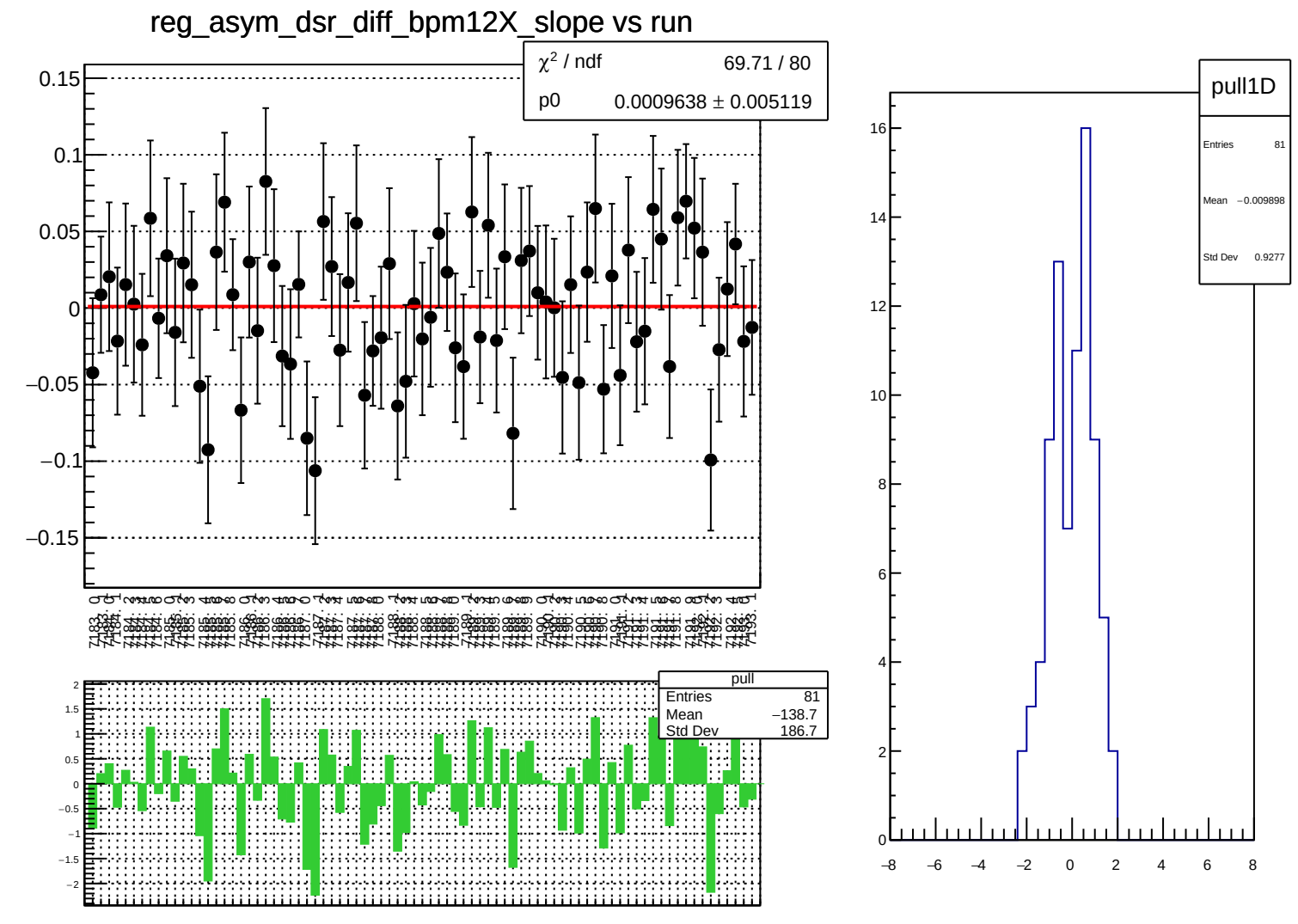

pull1D
Entries 81
Mean 0.01007
Std Dev 1.028

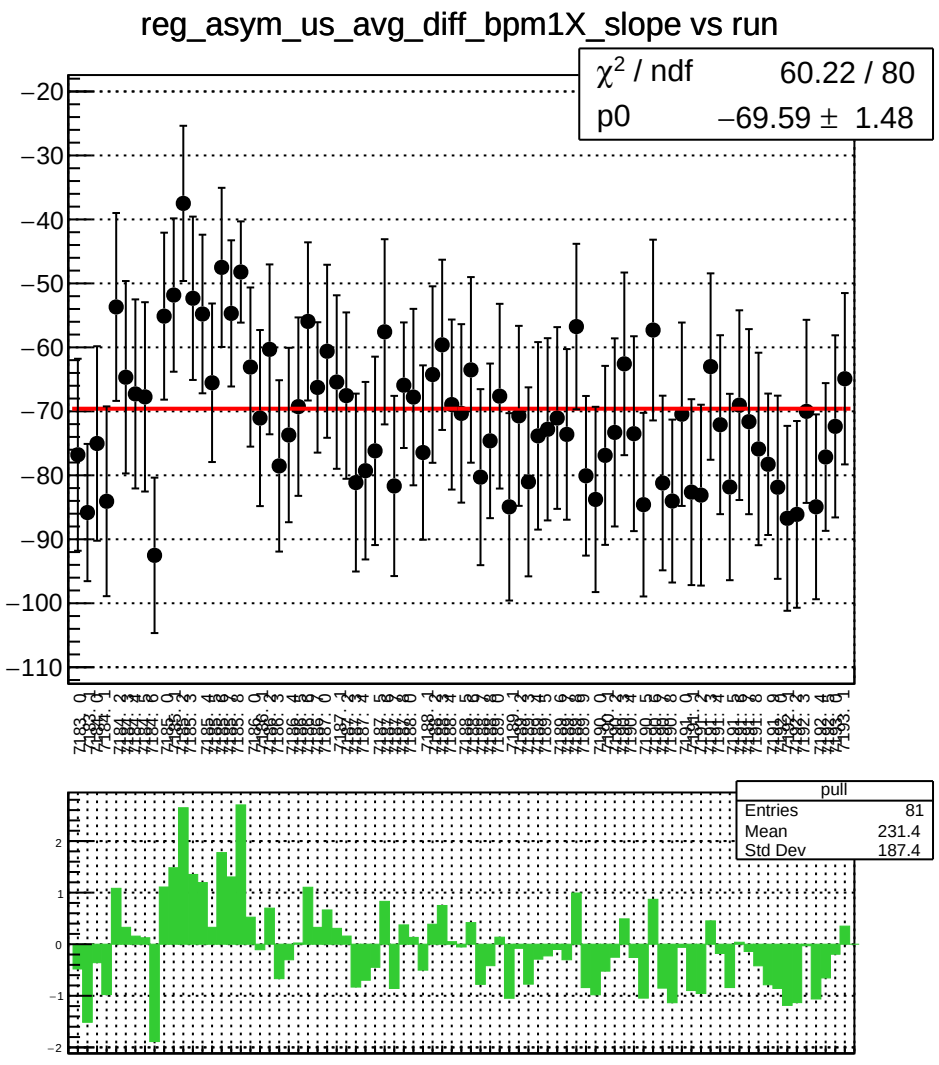

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 111.7 / 80
p0 −0.04385 ± 0.1401
pull
Entries 81
Mean 84.45
Std Dev 82.29

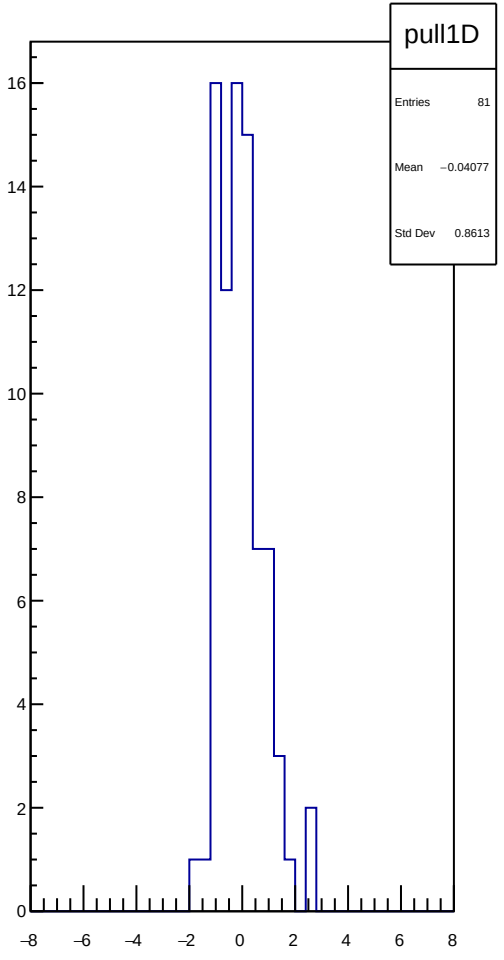

pull1D
Entries 81
Mean 0.007833
Std Dev 1.174

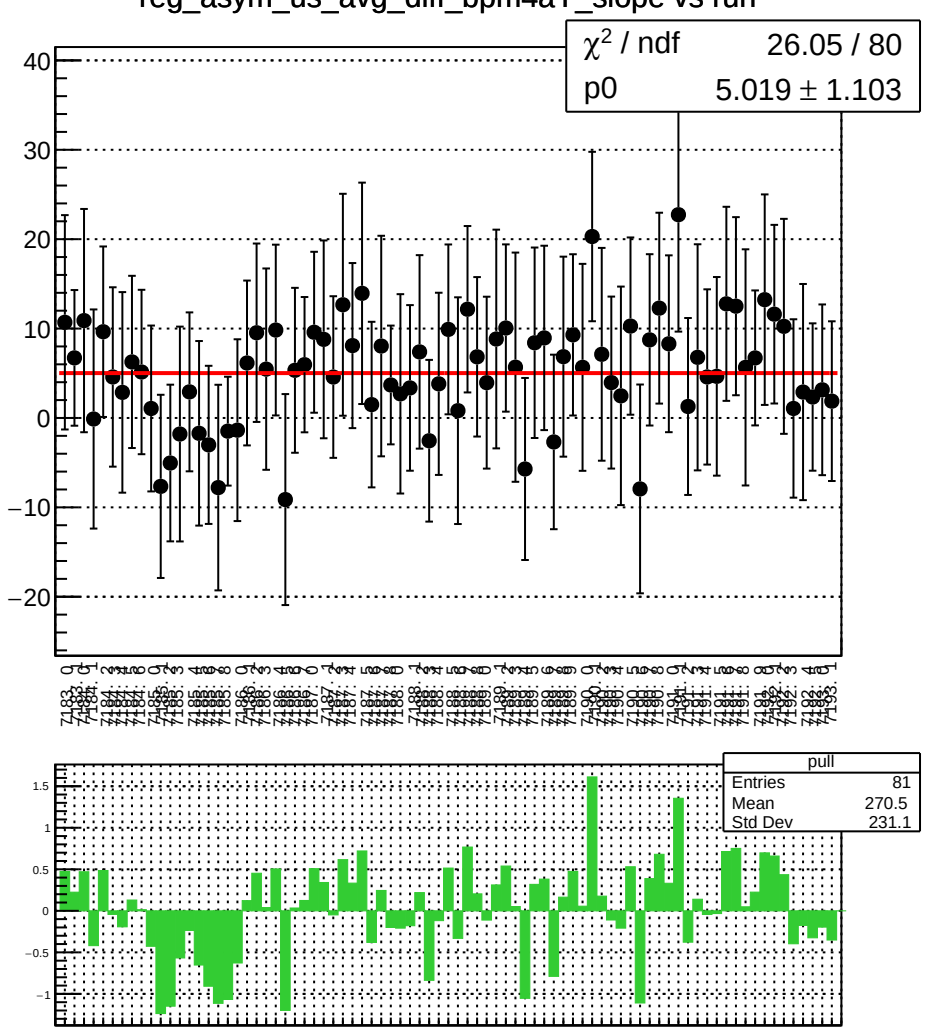

reg_asym_dsr_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 84.44 / 80
p0 0.1873 ± 0.1136
pull
Entries 81
Mean −192.2
Std Dev 246.1

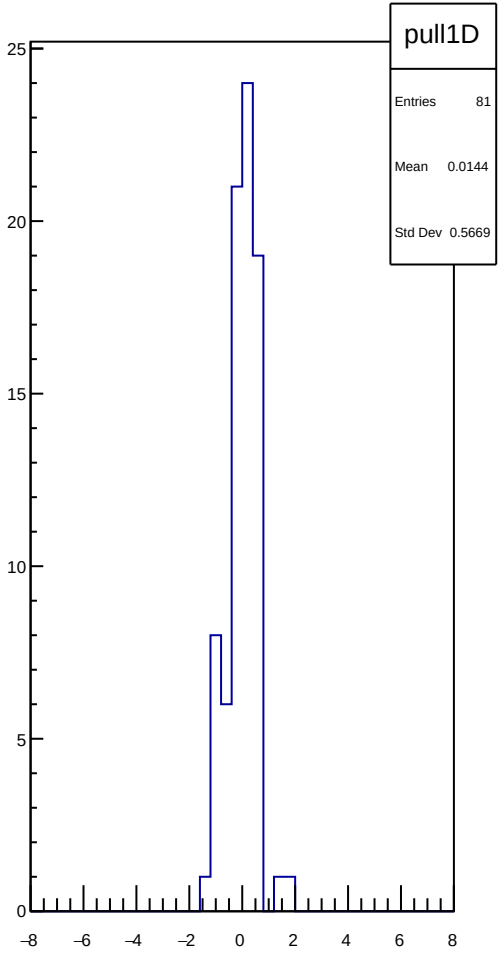

pull1D
Entries 81
Mean −0.003722
Std Dev 1.021

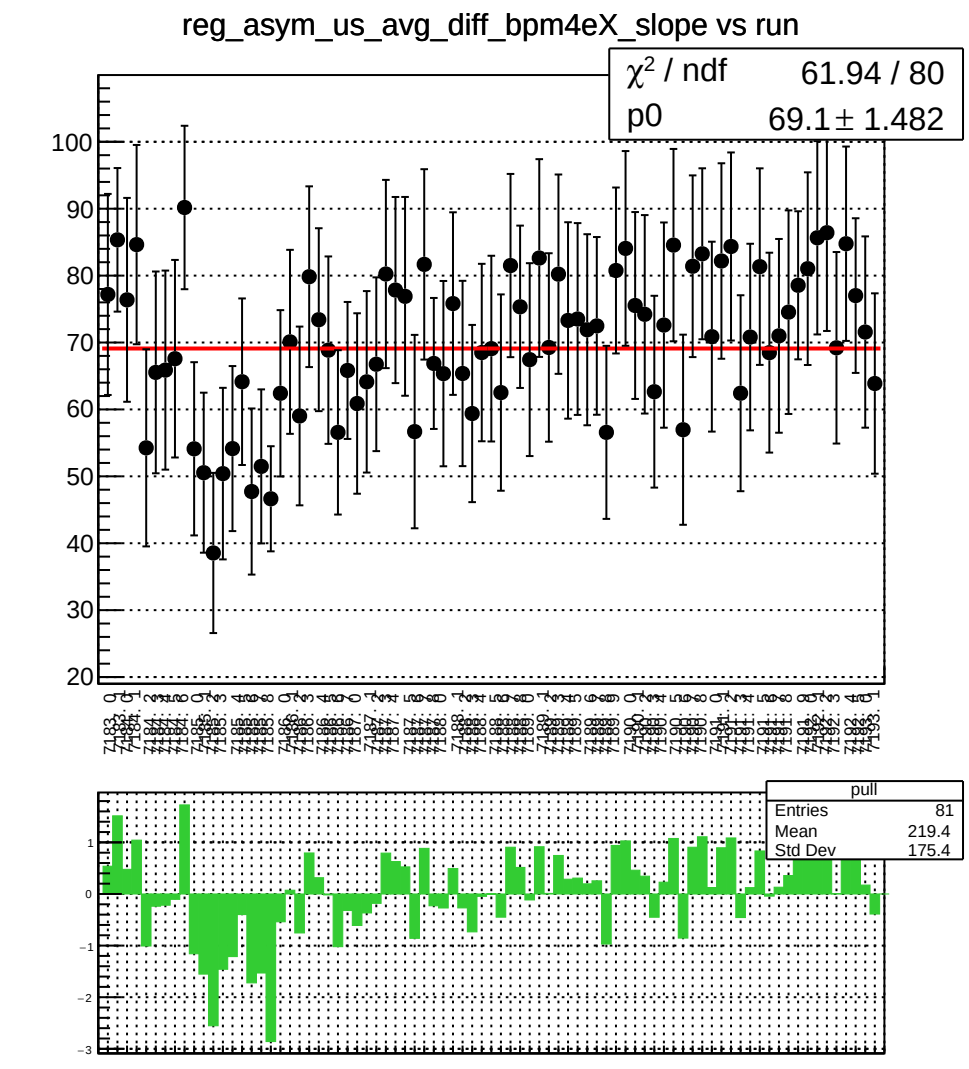

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 69.71 / 80
p0 0.0009638 ± 0.005119
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 81
Mean −138.7
Std Dev 186.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.009898
Std Dev 0.9277
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

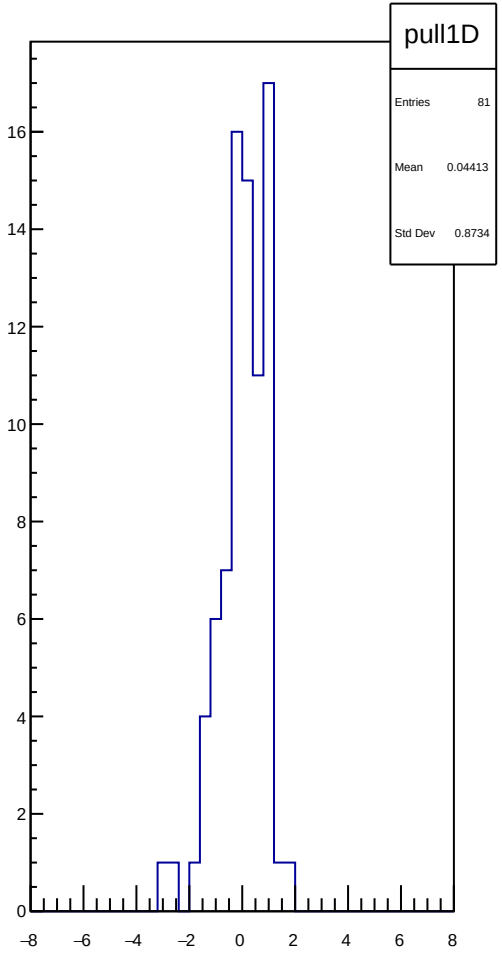

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 60.22 / 80
p0 −69.59 ± 1.48
pull
Entries 81
Mean 231.4
Std Dev 187.4

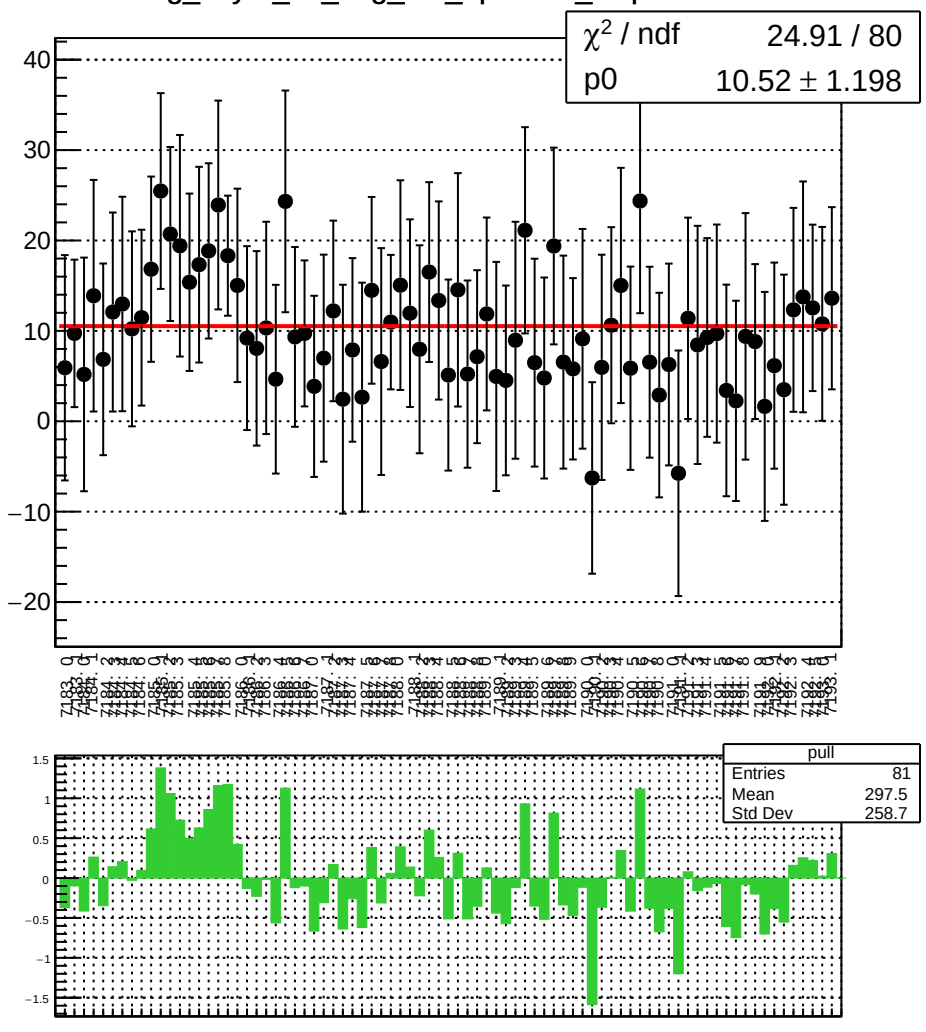

pull1D
Entries 81
Mean −0.04077
Std Dev 0.8613

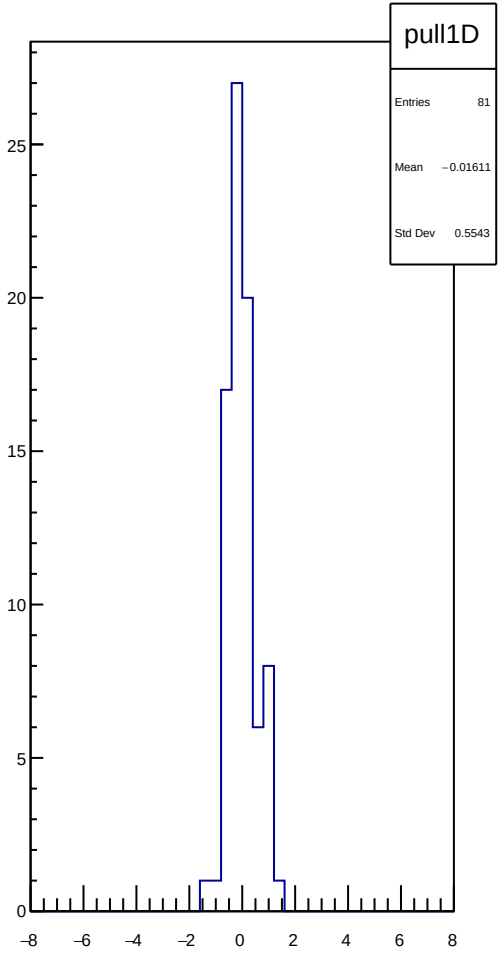

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.05 / 80
p0 5.019 ± 1.103
pull
Entries 81
Mean 270.5
Std Dev 231.1

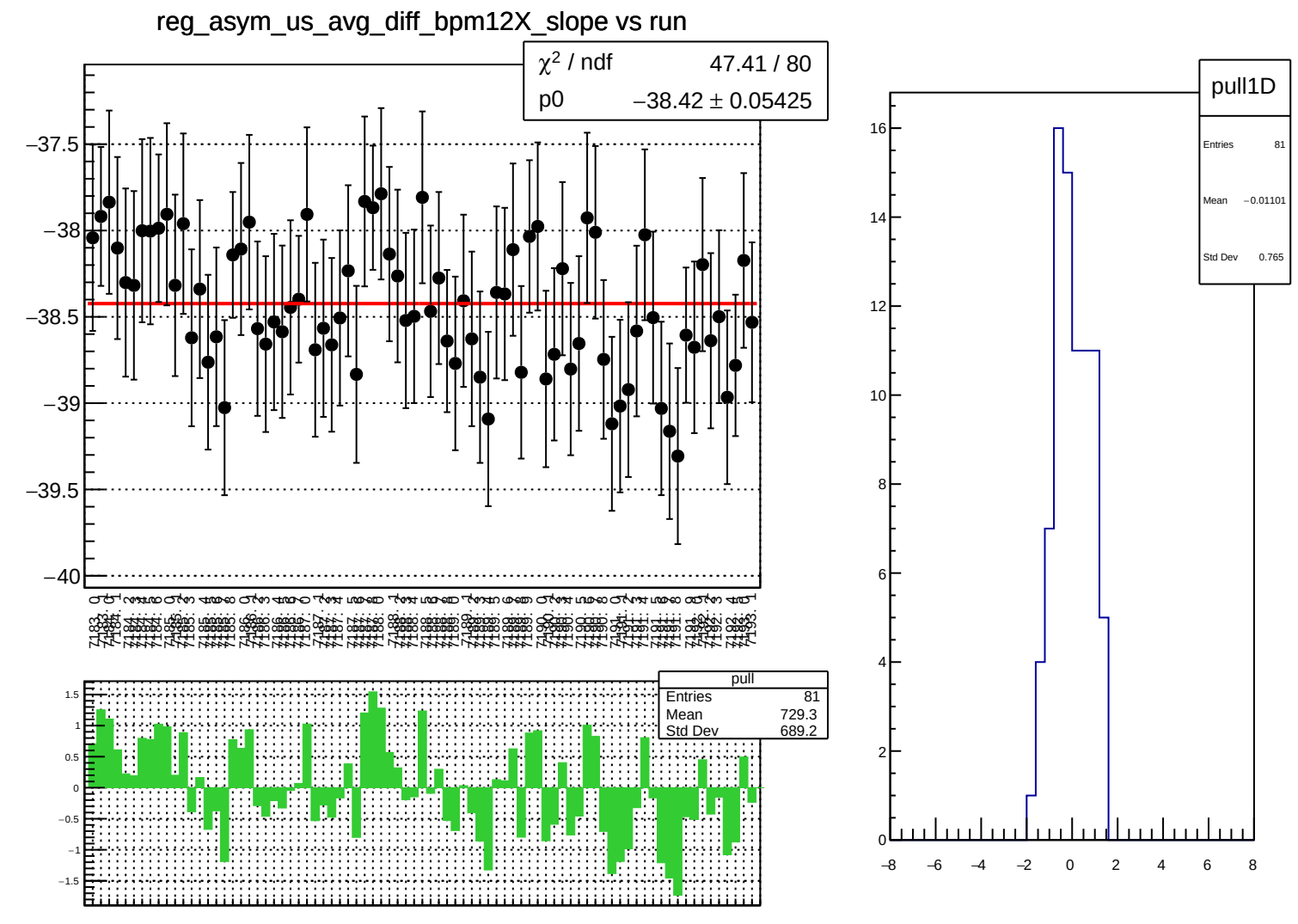

pull1D
Entries 81
Mean 0.0144
Std Dev 0.5669

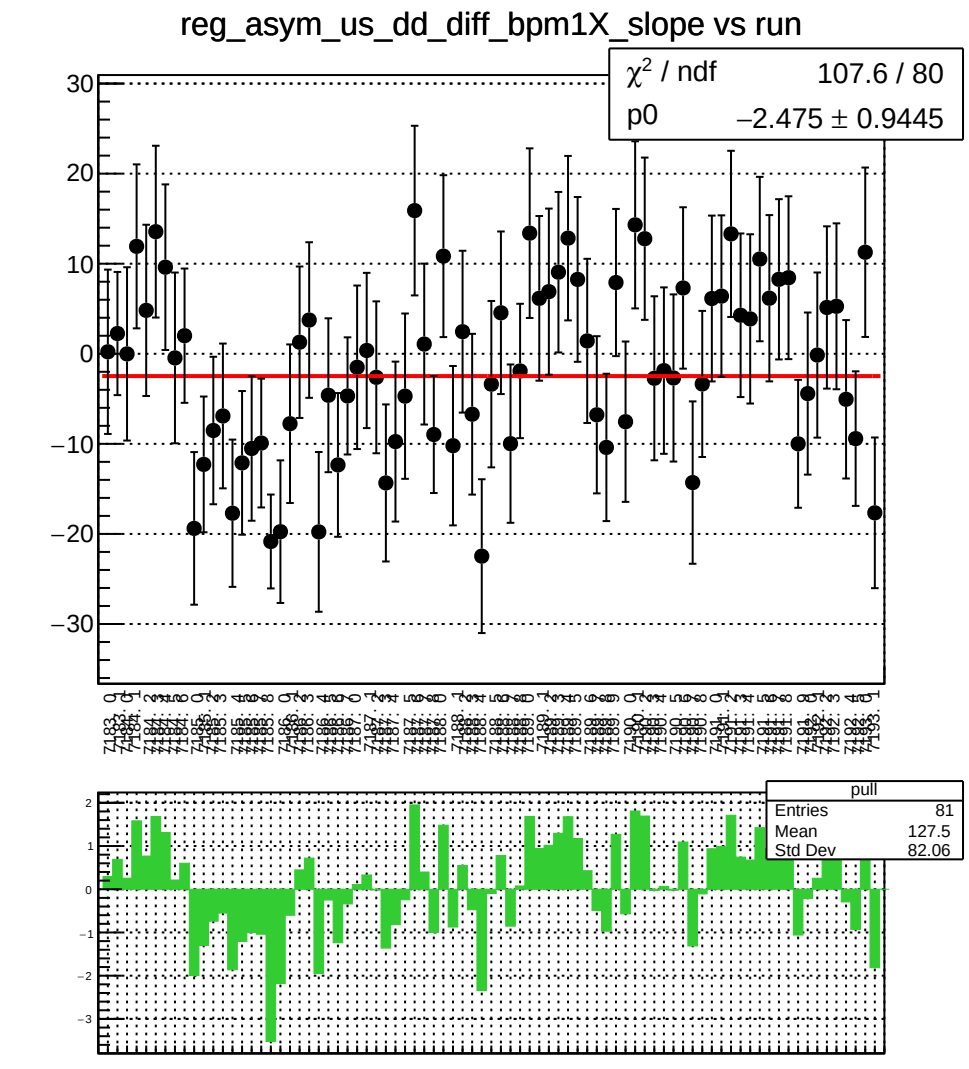

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.94 / 80
p0 69.1 ± 1.482
pull
Entries 81
Mean 219.4
Std Dev 175.4

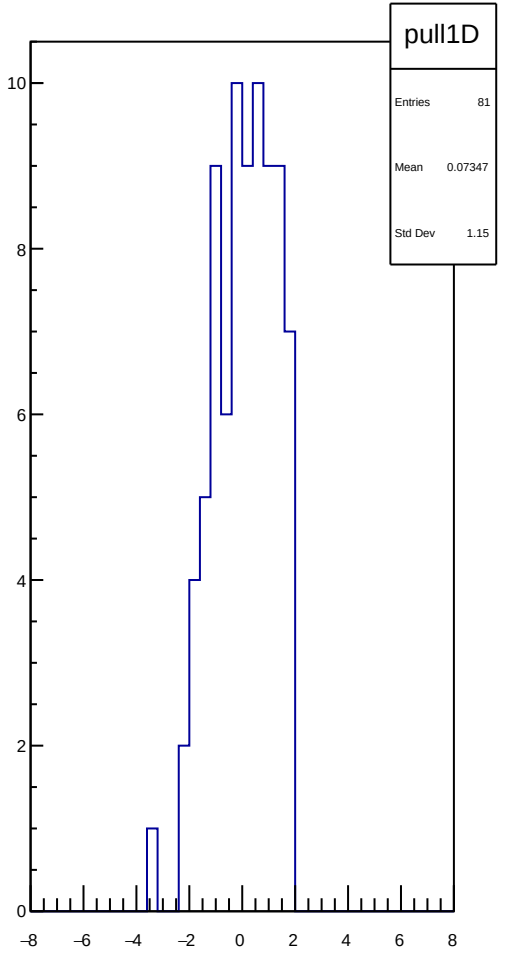

pull1D
Entries 81
Mean 0.04413
Std Dev 0.8734

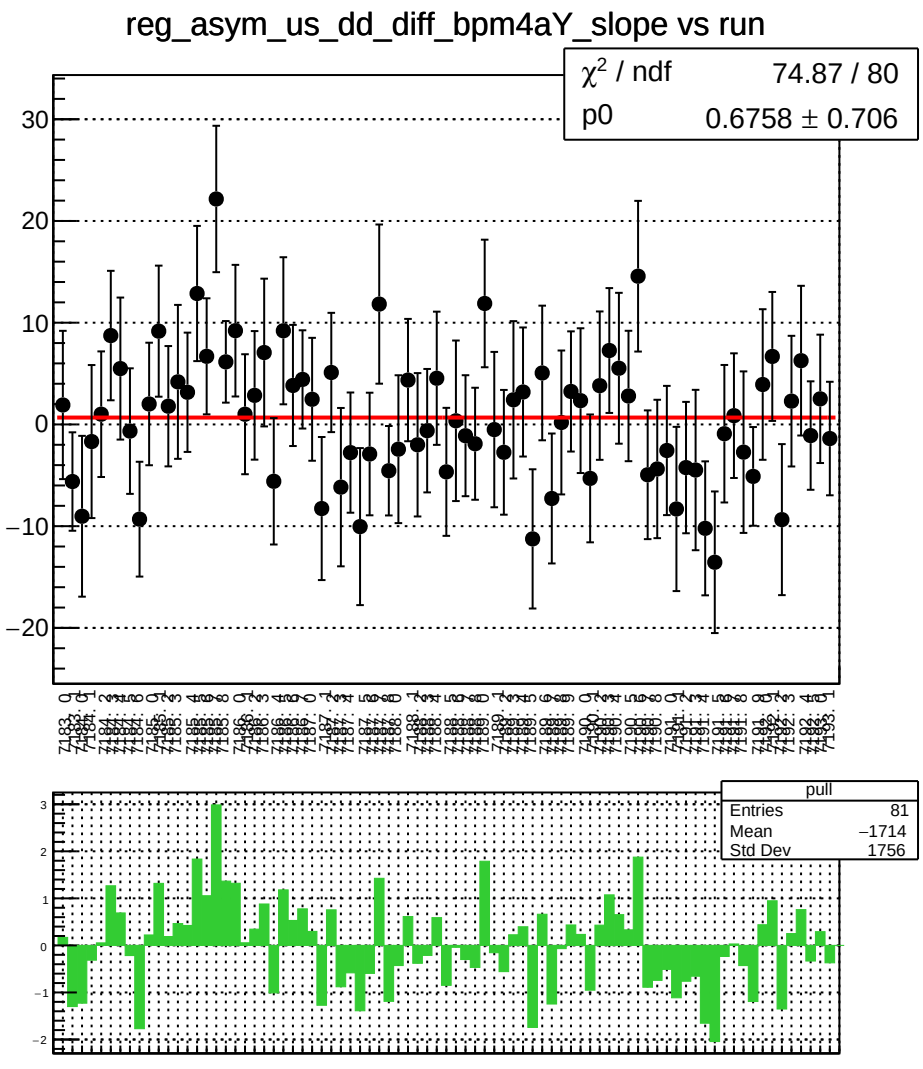

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.91 / 80
p0 10.52 ± 1.198
pull
Entries 81
Mean 297.5
Std Dev 258.7

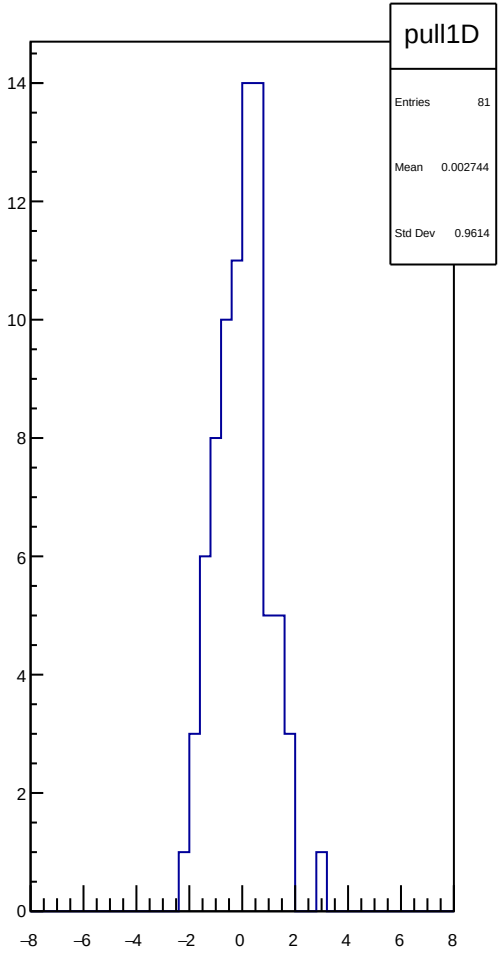

pull1D
Entries 81
Mean −0.01611
Std Dev 0.5543

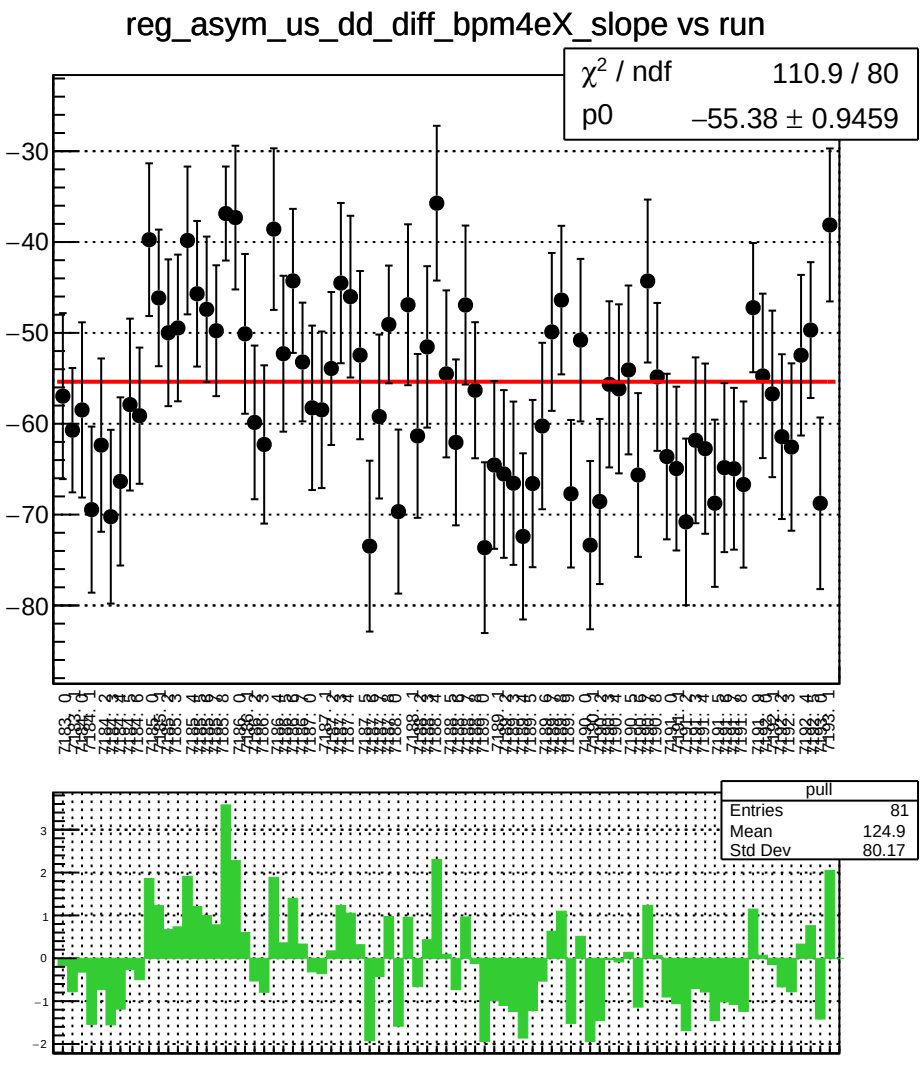

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 47.41 / 80
p0 −38.42 ± 0.05425
−37.5
−38
−38.5
−39
−39.5
−40
pull
Entries 81
Mean 729.3
Std Dev 689.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.01101
Std Dev 0.765
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

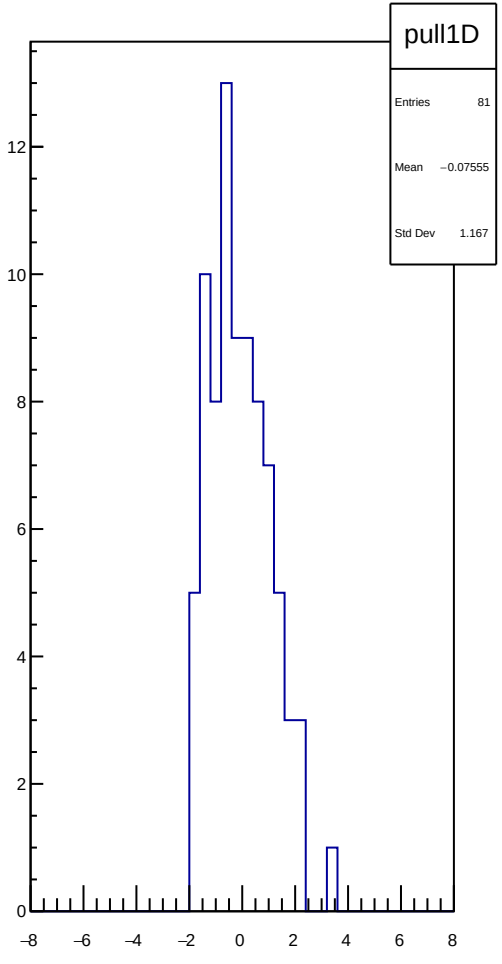

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 107.6 / 80
p0 −2.475 ± 0.9445
pull
Entries 81
Mean 127.5
Std Dev 82.06

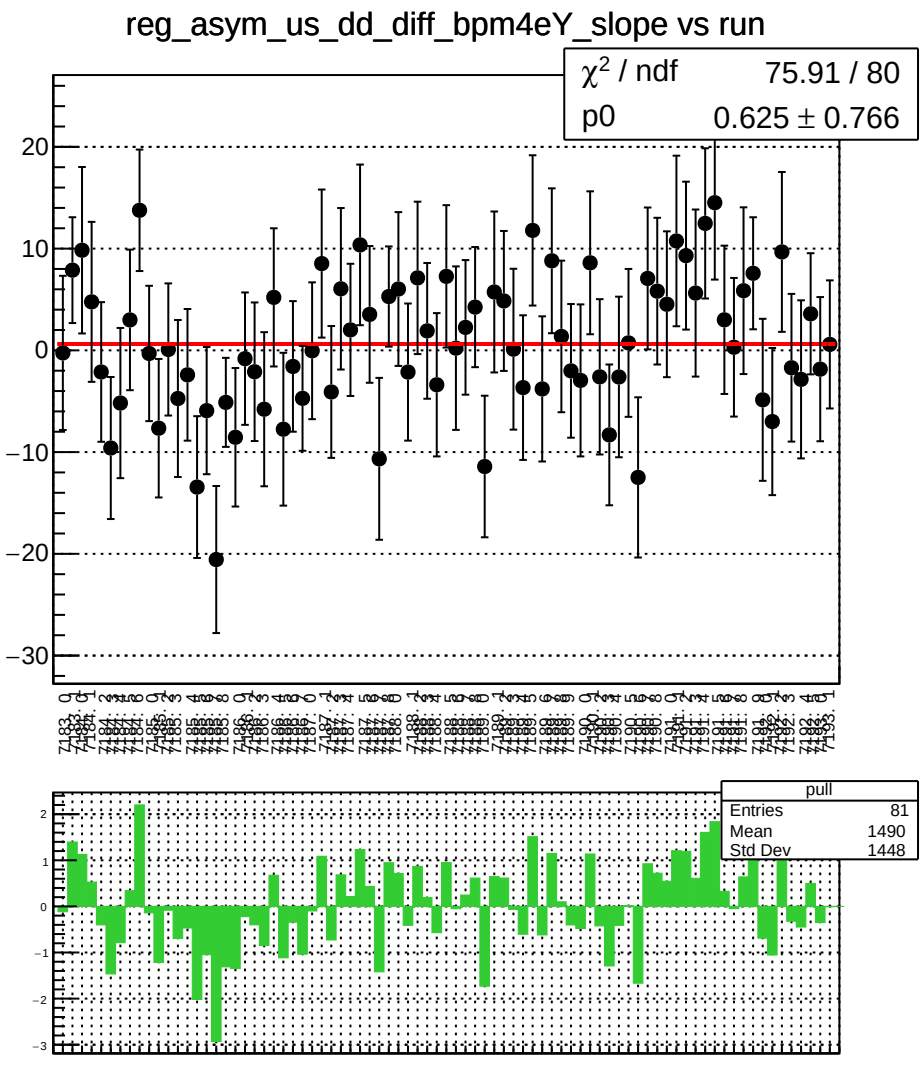

pull1D
Entries 81
Mean 0.07347
Std Dev 1.15

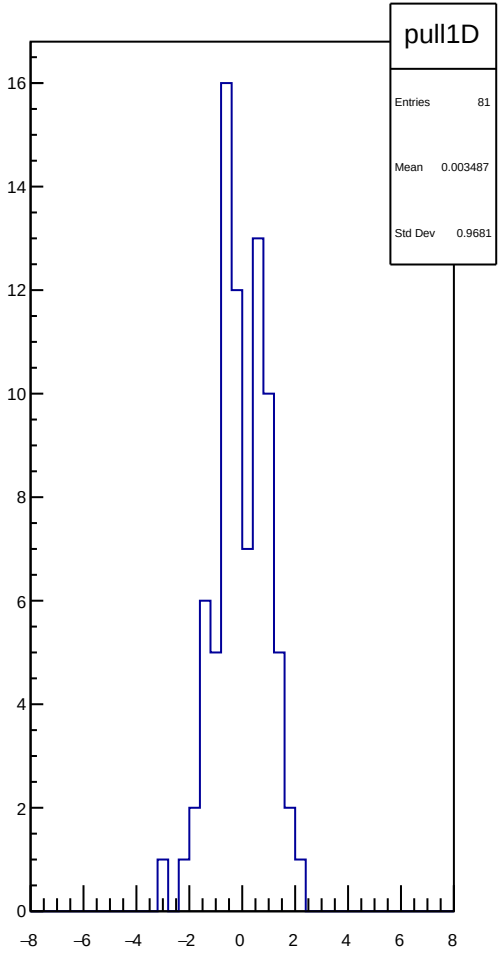

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.87 / 80
p0 0.6758 ± 0.706
pull
Entries 81
Mean −1714
Std Dev 1756

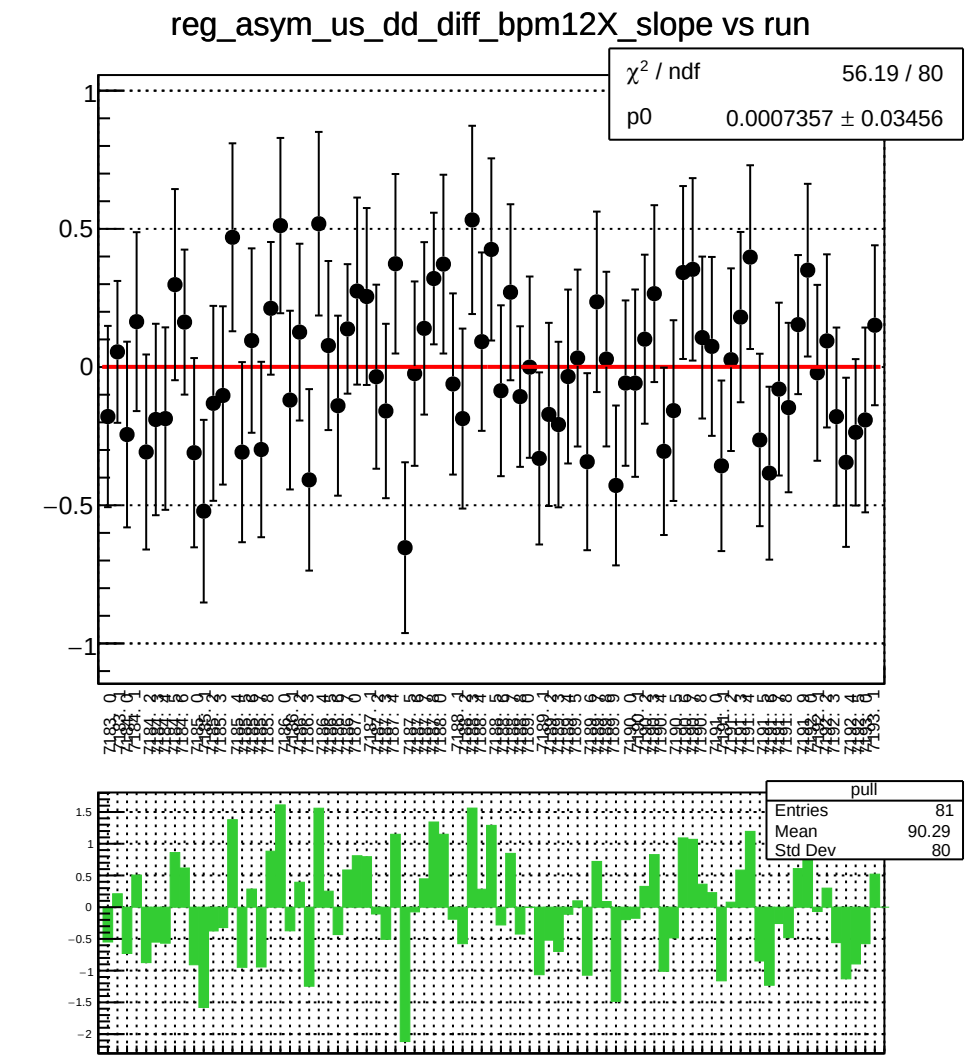

pull1D
Entries 81
Mean 0.002744
Std Dev 0.9614

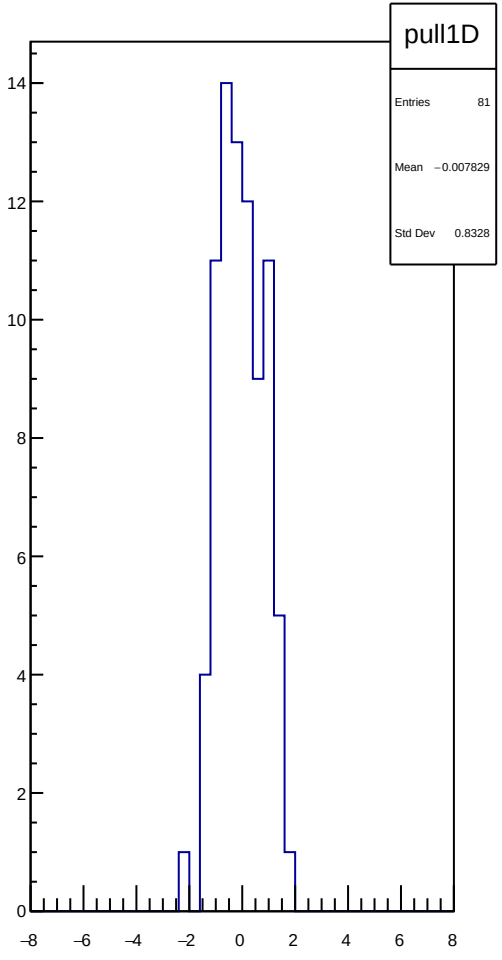

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 110.9 / 80
p0 −55.38 ± 0.9459
pull
Entries 81
Mean 124.9
Std Dev 80.17

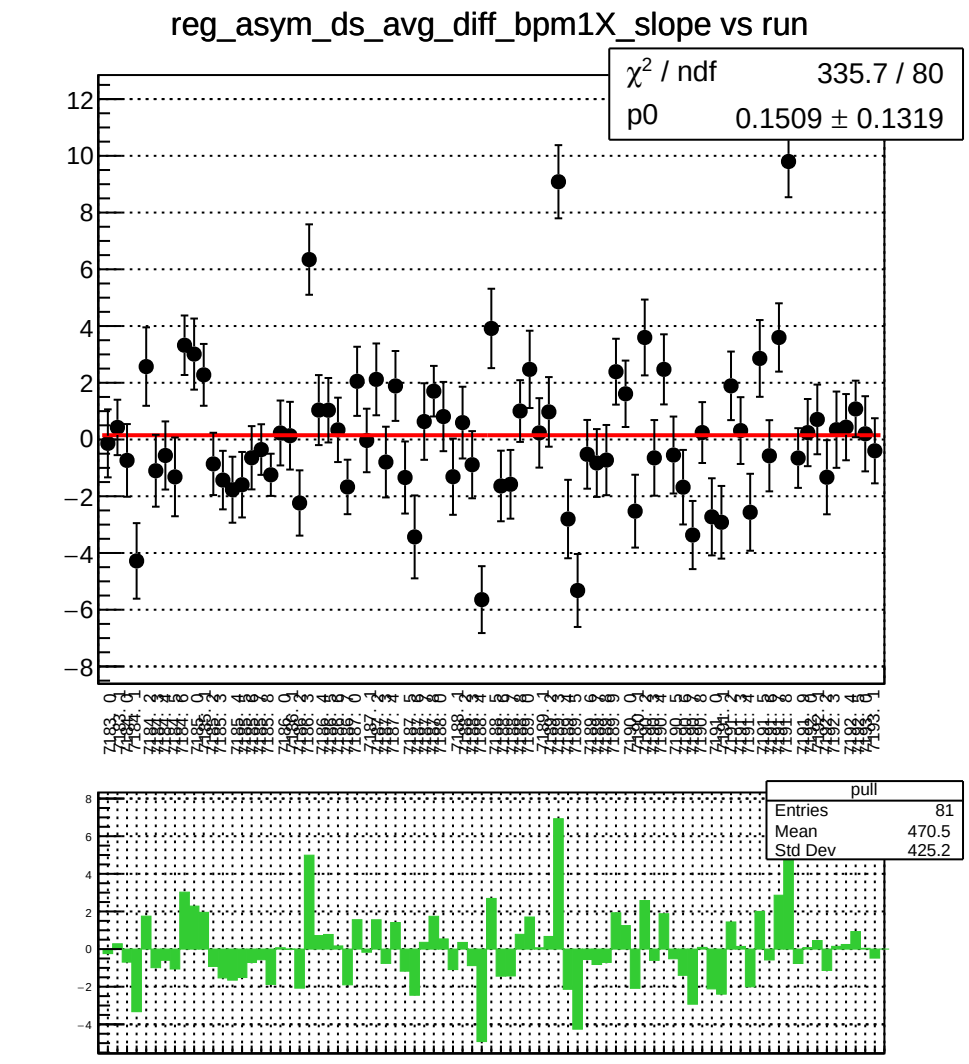

pull1D
Entries 81
Mean −0.07555
Std Dev 1.167

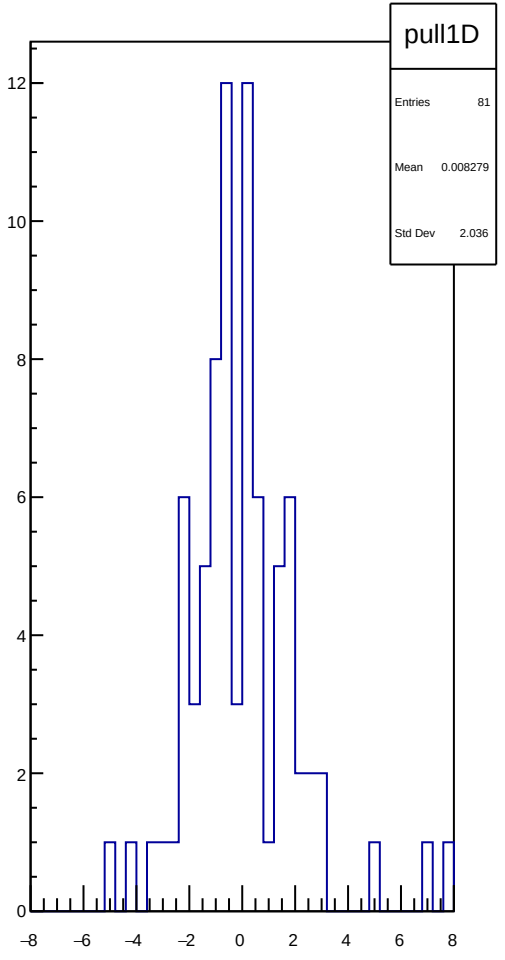

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.91 / 80
p0 0.625 ± 0.766
pull
Entries 81
Mean 1490
Std Dev 1448

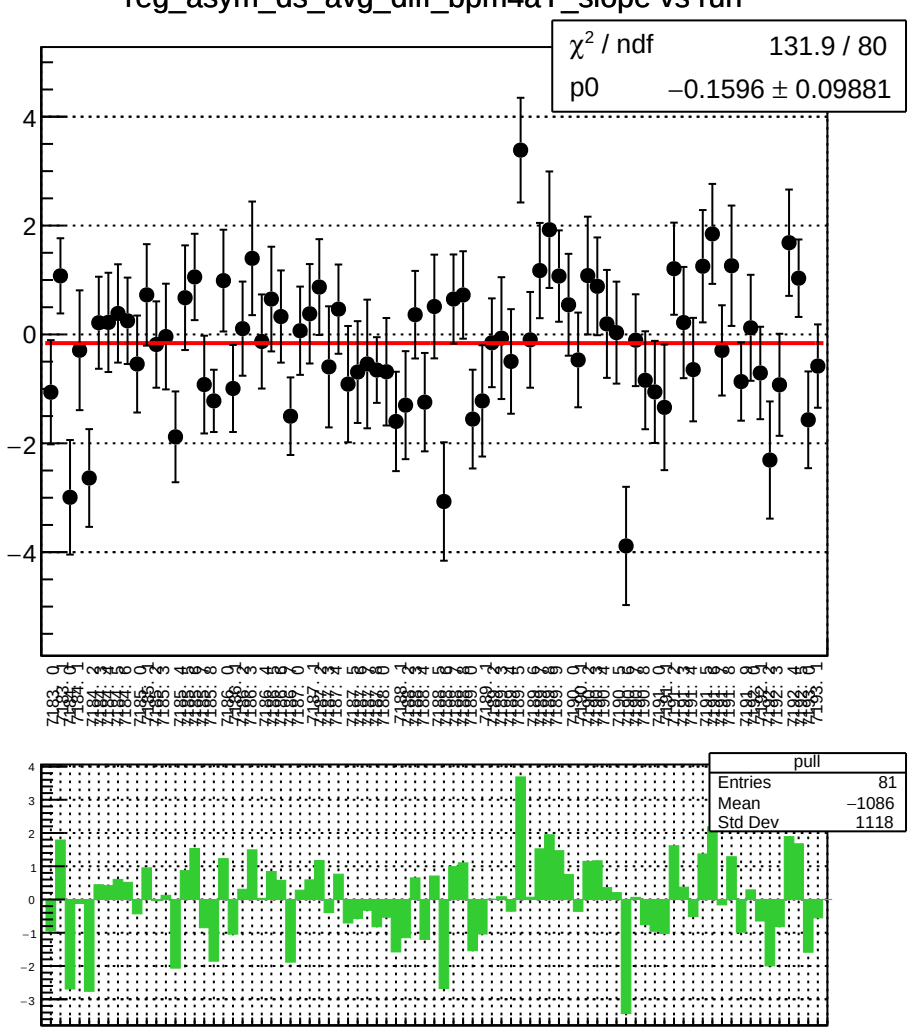

pull1D
Entries 81
Mean 0.003487
Std Dev 0.9681

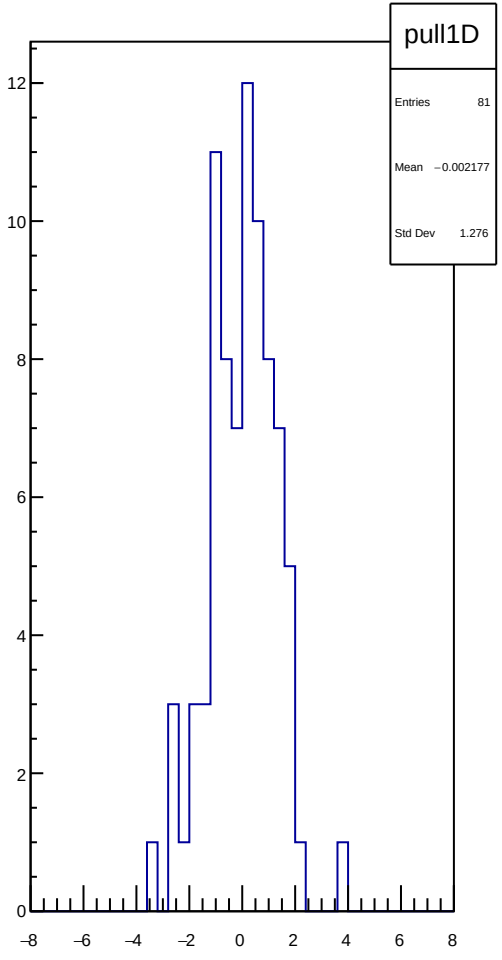

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 56.19 / 80
p0 0.0007357 ± 0.03456
pull
Entries 81
Mean 90.29
Std Dev 80

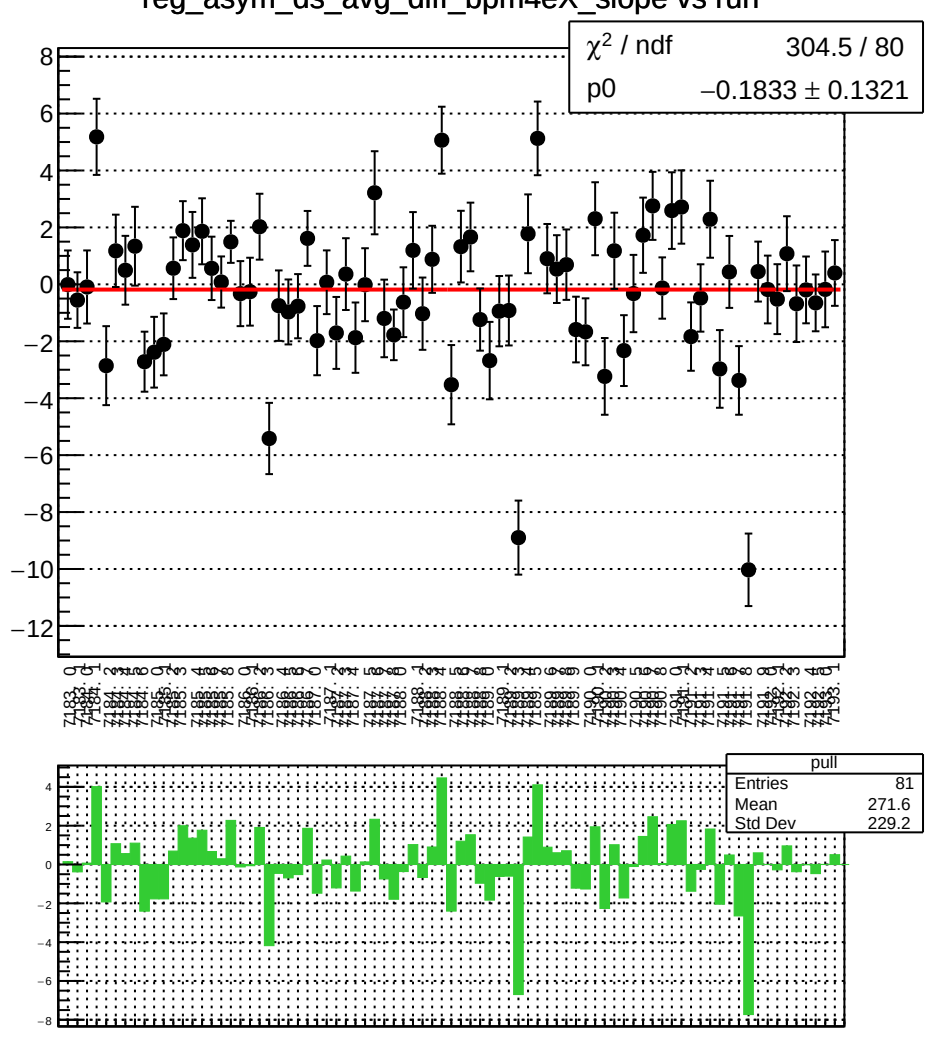

pull1D
Entries 81
Mean −0.007829
Std Dev 0.8328

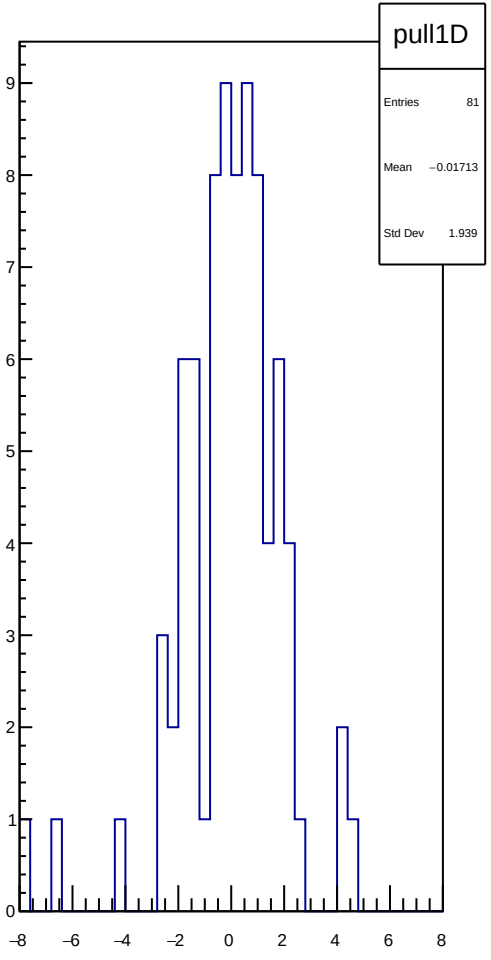

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 335.7 / 80
p0 0.1509 ± 0.1319
pull
Entries 81
Mean 470.5
Std Dev 425.2

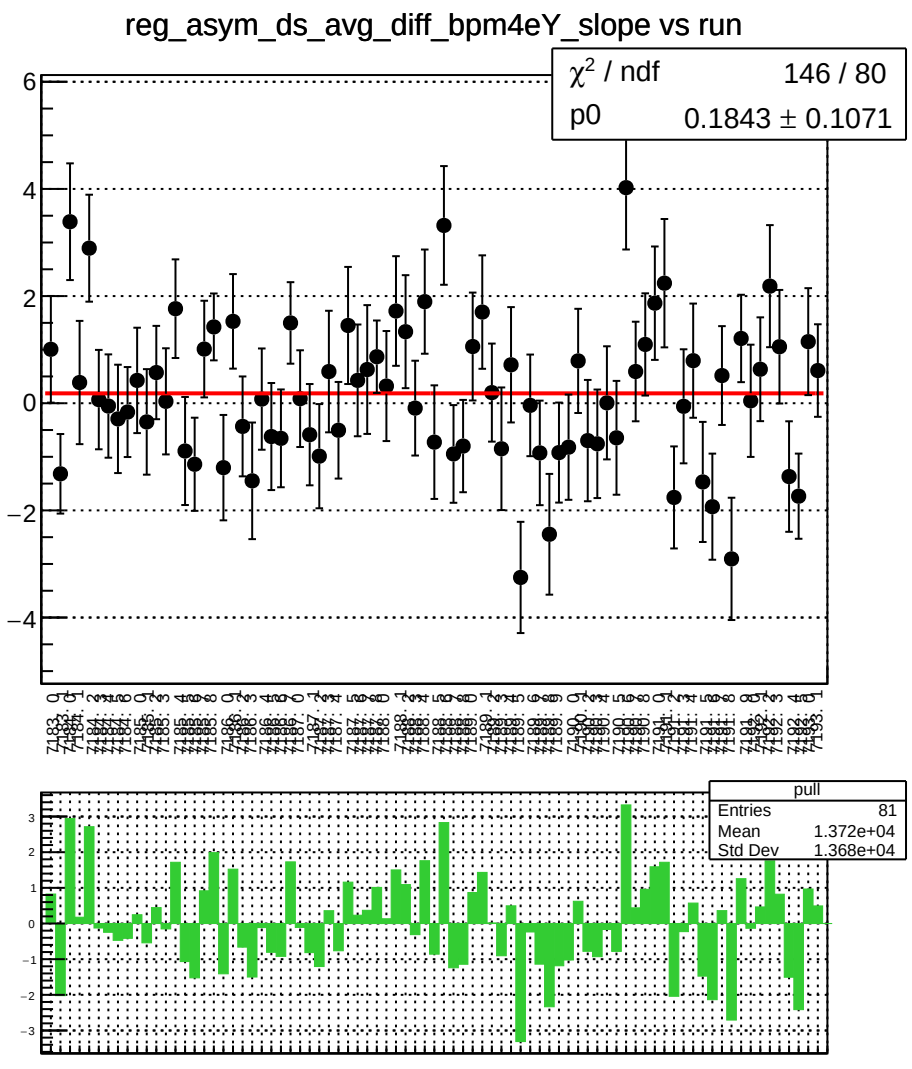

pull1D
Entries 81
Mean 0.008279
Std Dev 2.036

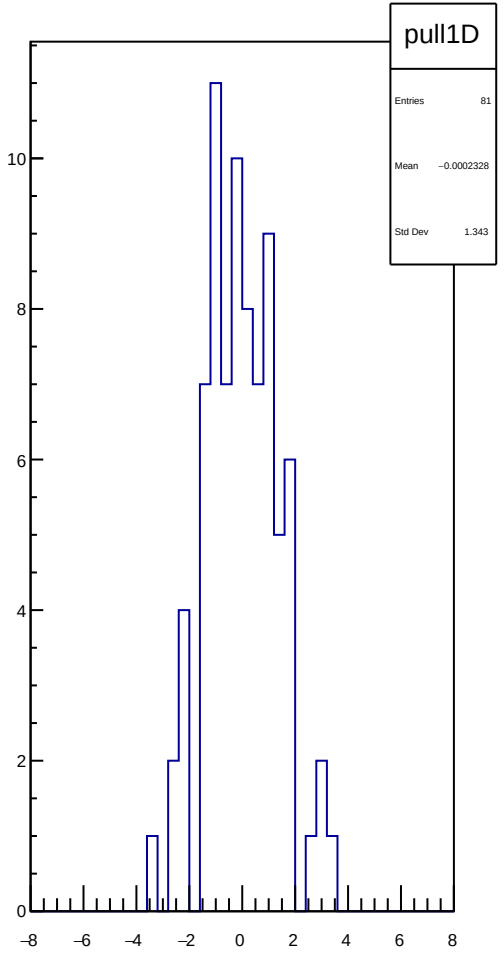

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 131.9 / 80
p0 −0.1596 ± 0.09881
pull
Entries 81
Mean −1086
Std Dev 1118

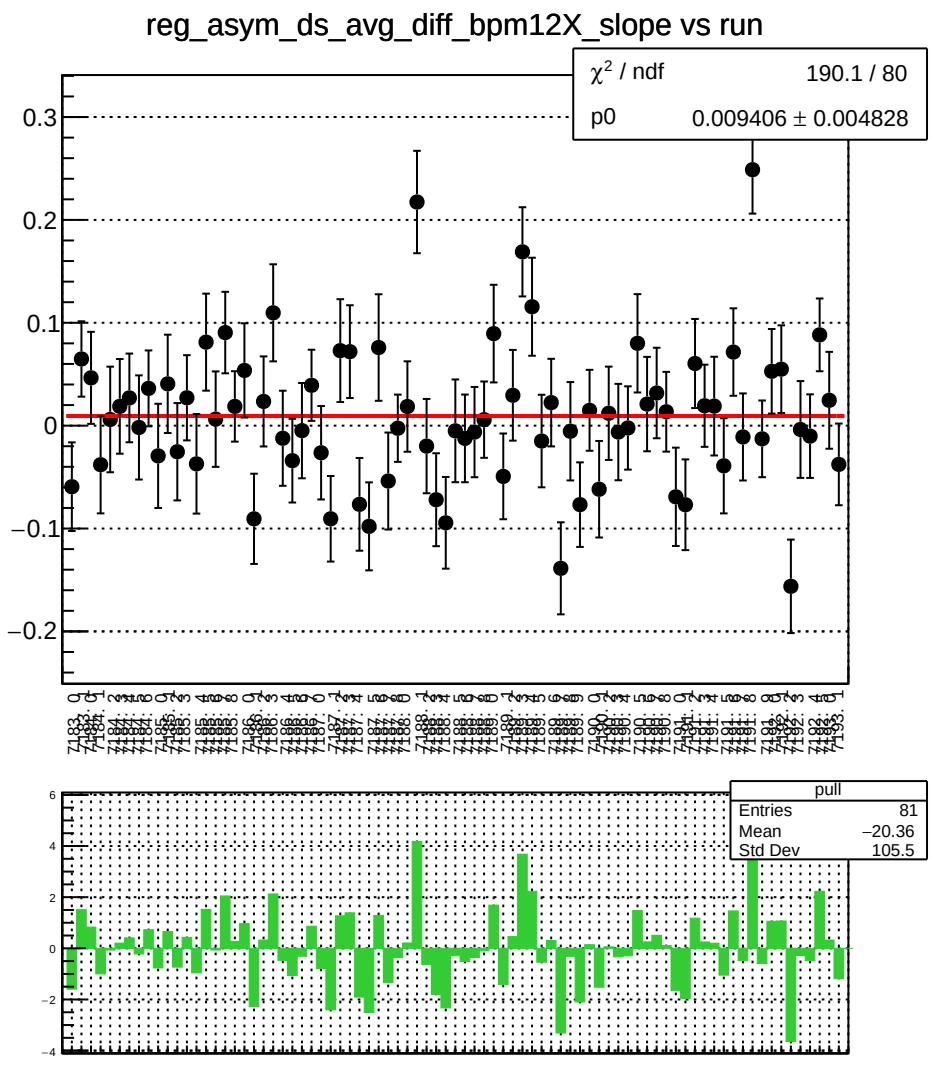

pull1D
Entries 81
Mean −0.002177
Std Dev 1.276

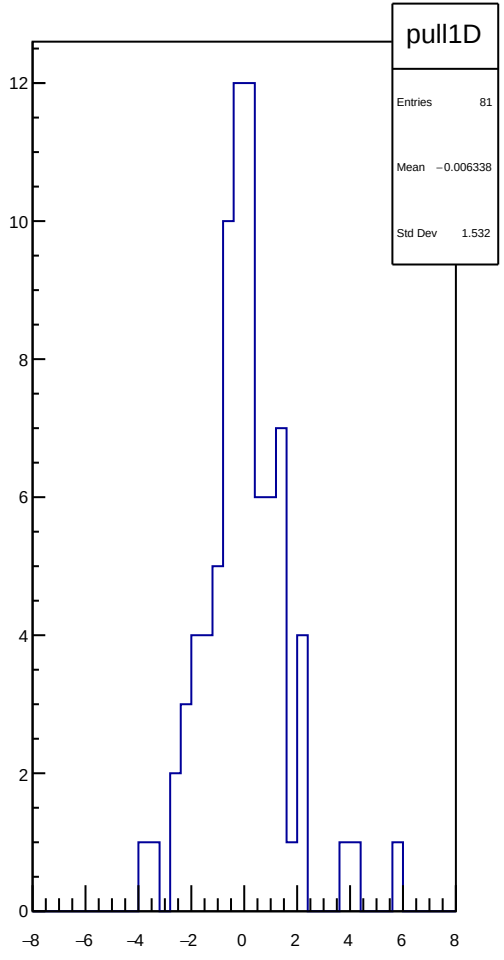

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 304.5 / 80
p0 −0.1833 ± 0.1321
pull
Entries 81
Mean 271.6
Std Dev 229.2

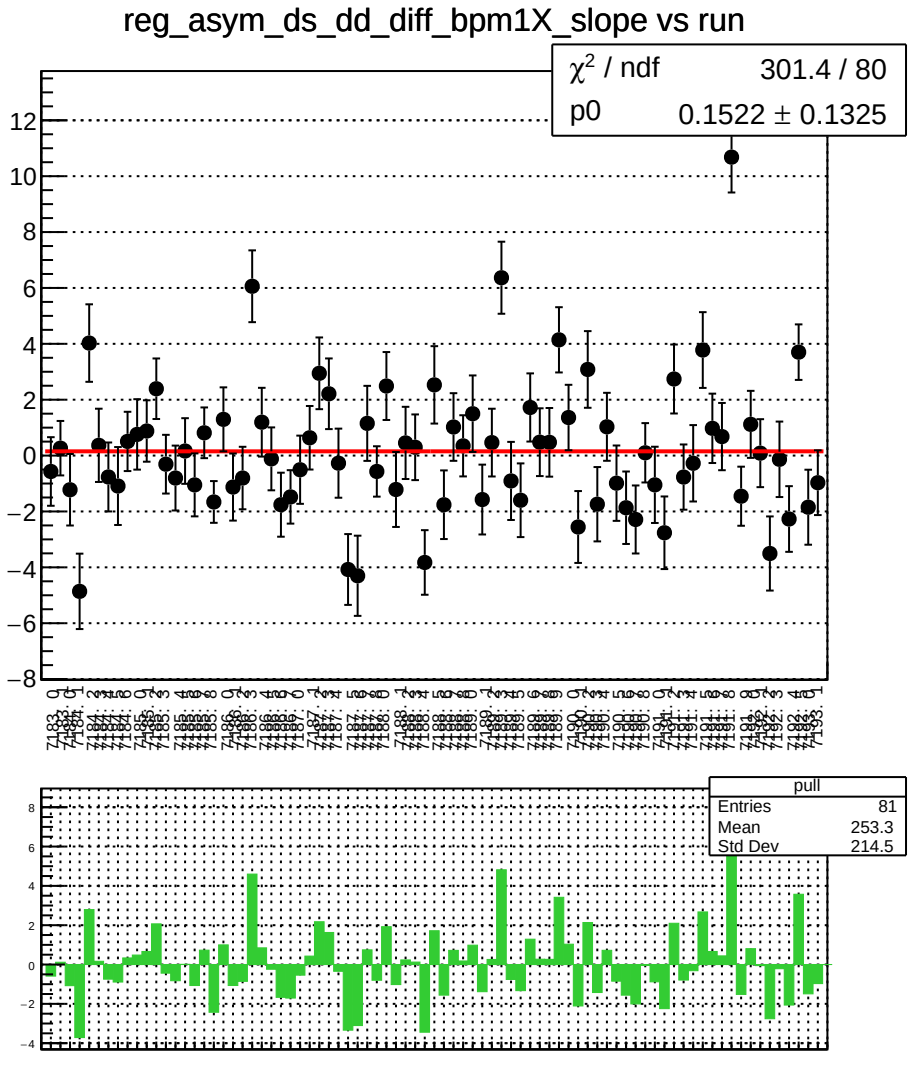

pull1D
Entries 81
Mean −0.01713
Std Dev 1.939

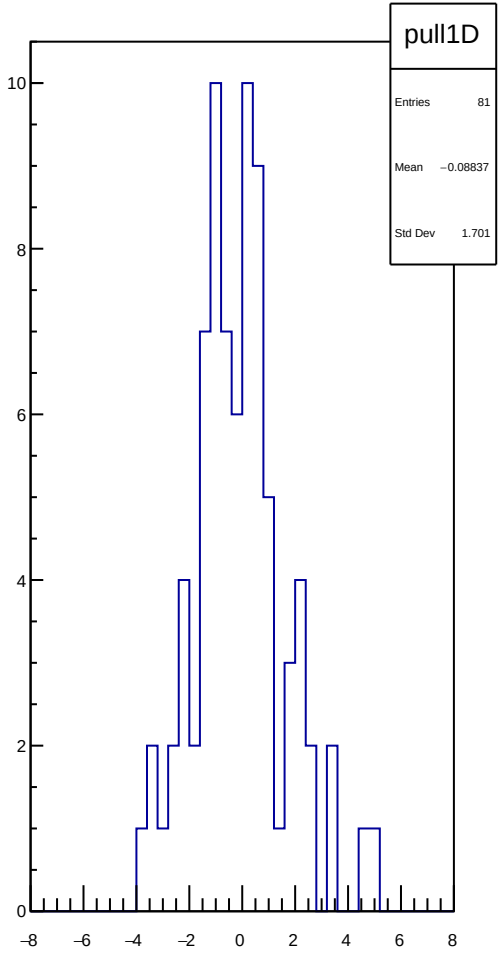

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 146 / 80
p0 0.1843 ± 0.1071
pull
Entries 81
Mean 1.372e+04
Std Dev 1.368e+04

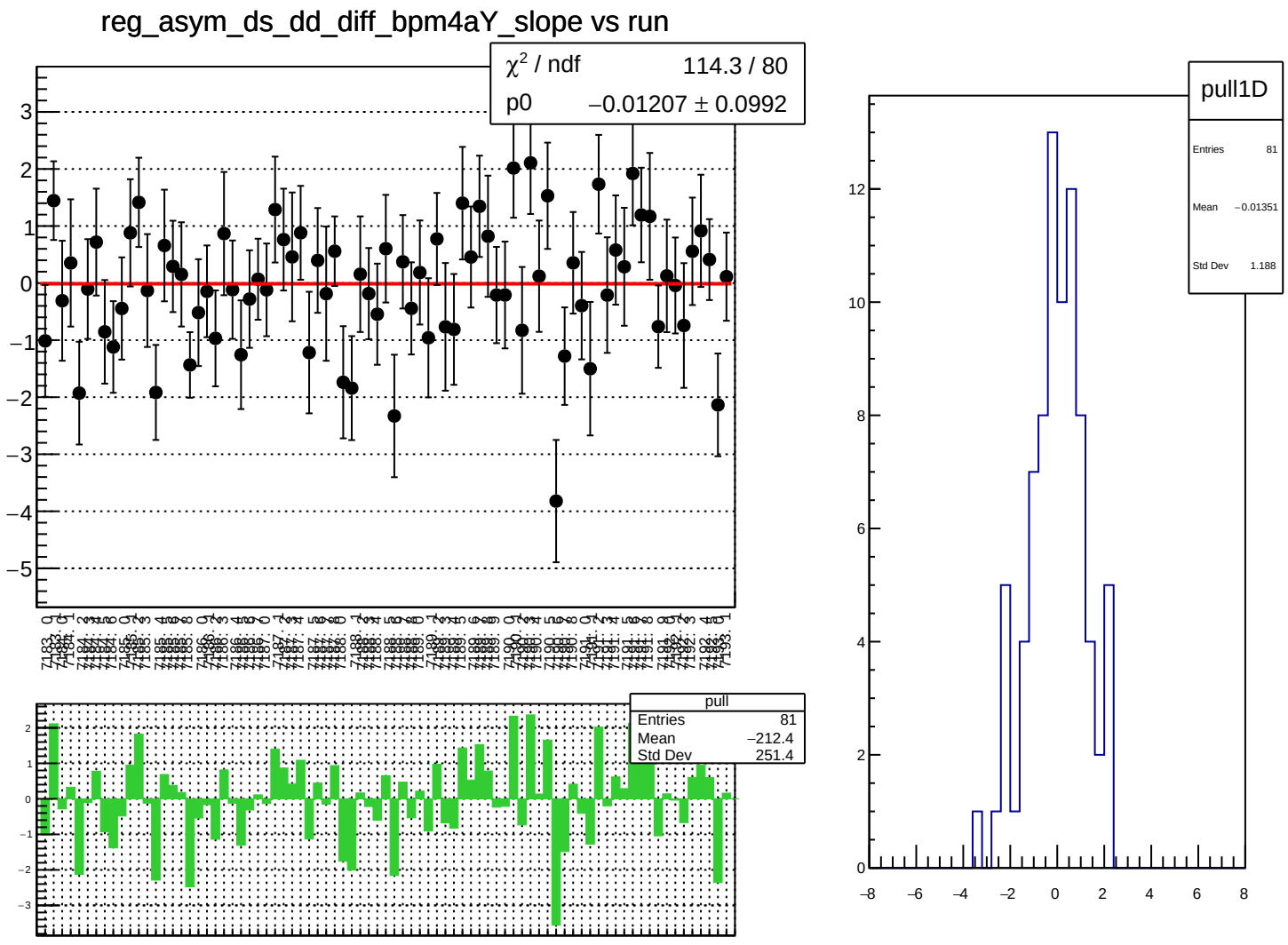

pull1D
Entries 81
Mean −0.0002328
Std Dev 1.343

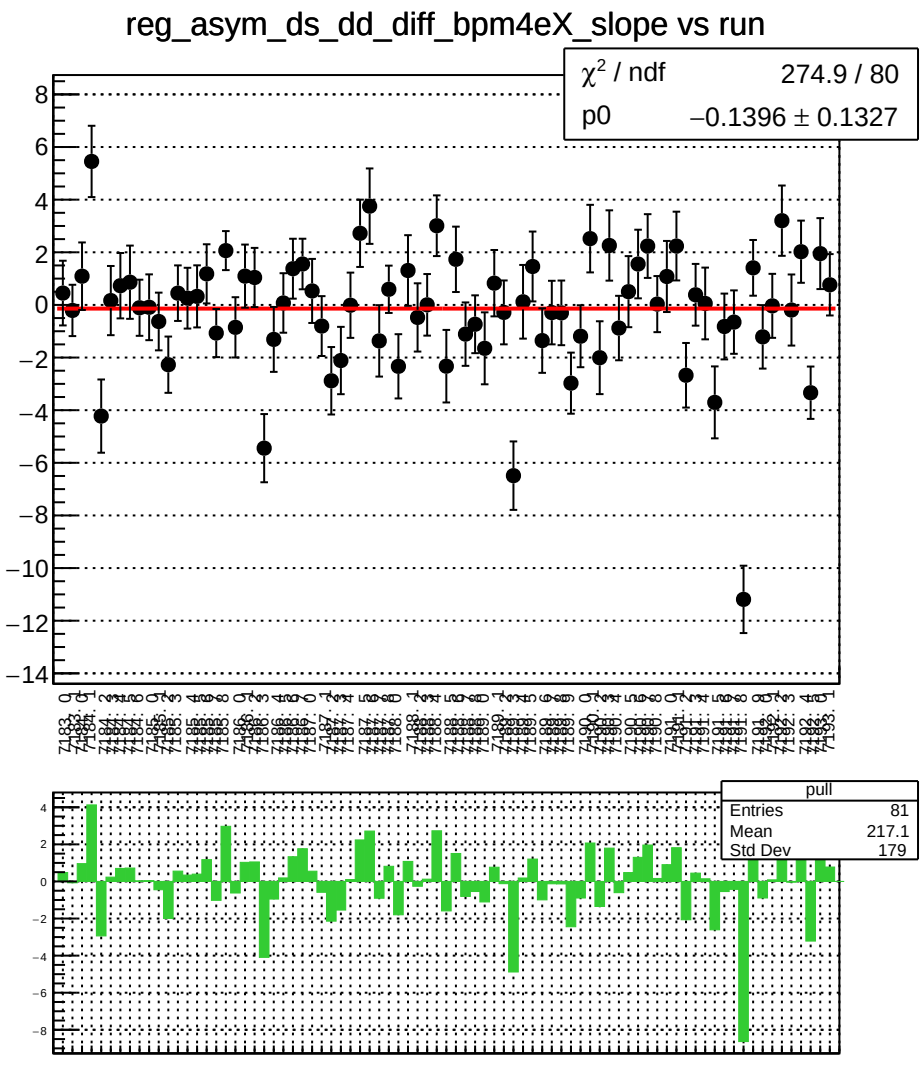

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 190.1 / 80
p0 0.009406 ± 0.004828
pull
Entries 81
Mean −20.36
Std Dev 105.5

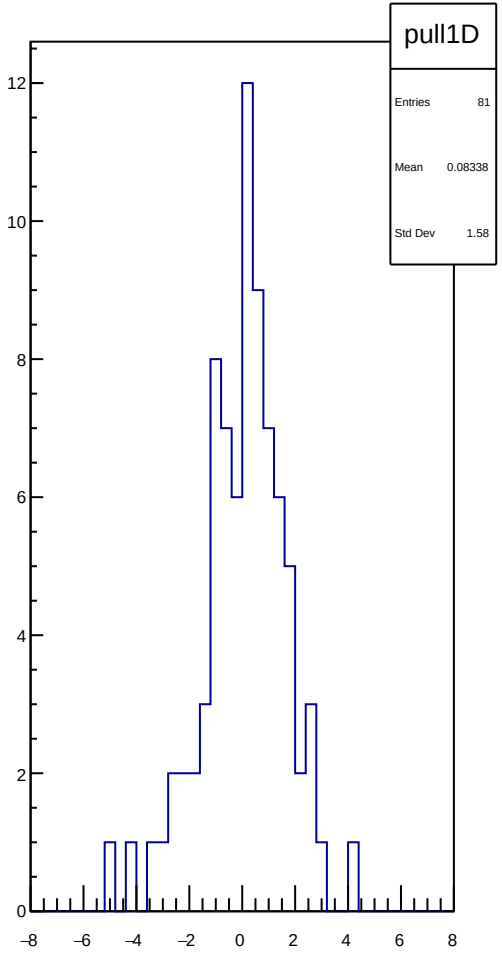

pull1D
Entries 81
Mean −0.006338
Std Dev 1.532

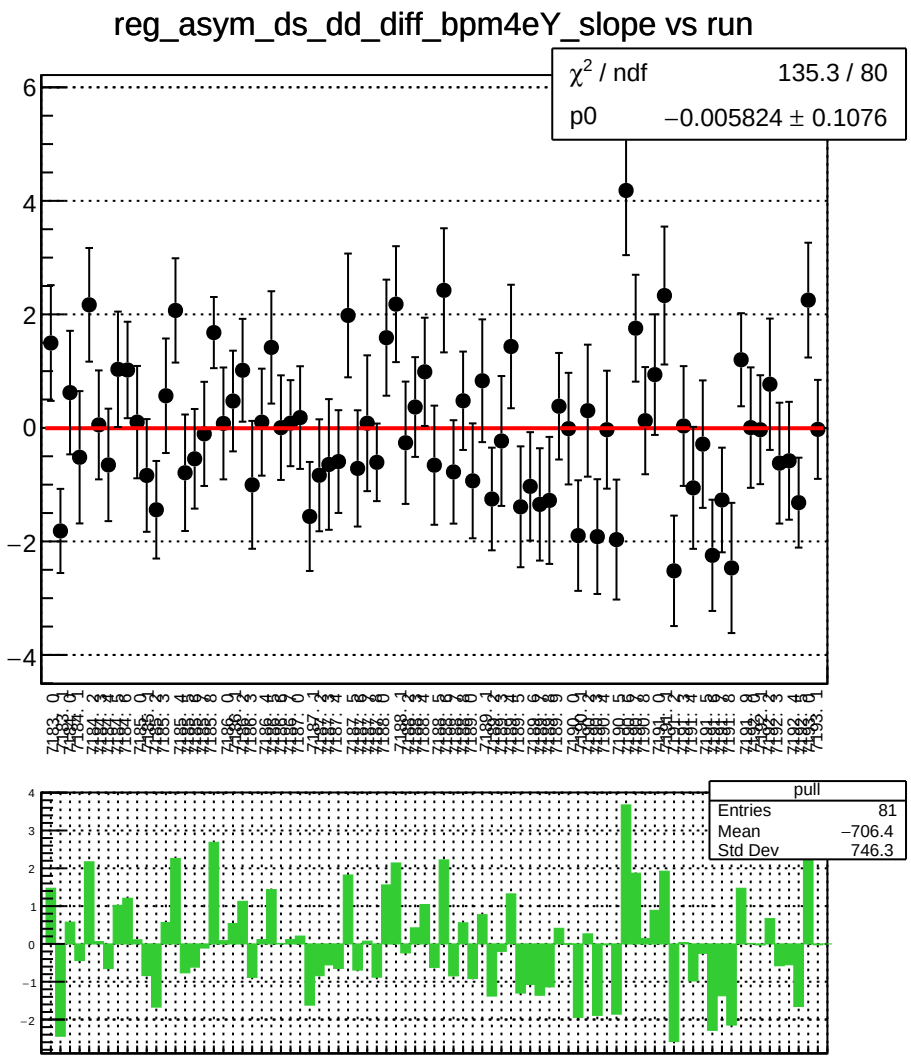

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 301.4 / 80
p0 0.1522 ± 0.1325
pull
Entries 81
Mean 253.3
Std Dev 214.5

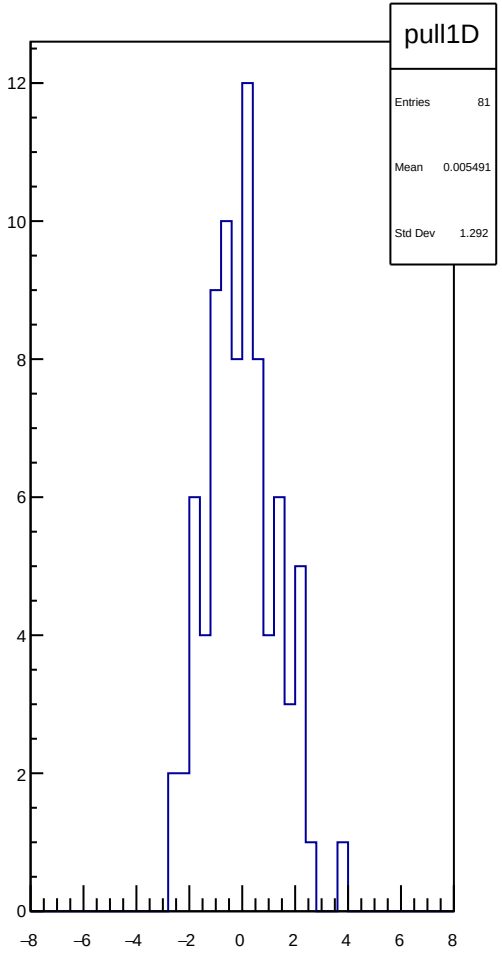

pull1D
Entries 81
Mean −0.08837
Std Dev 1.701

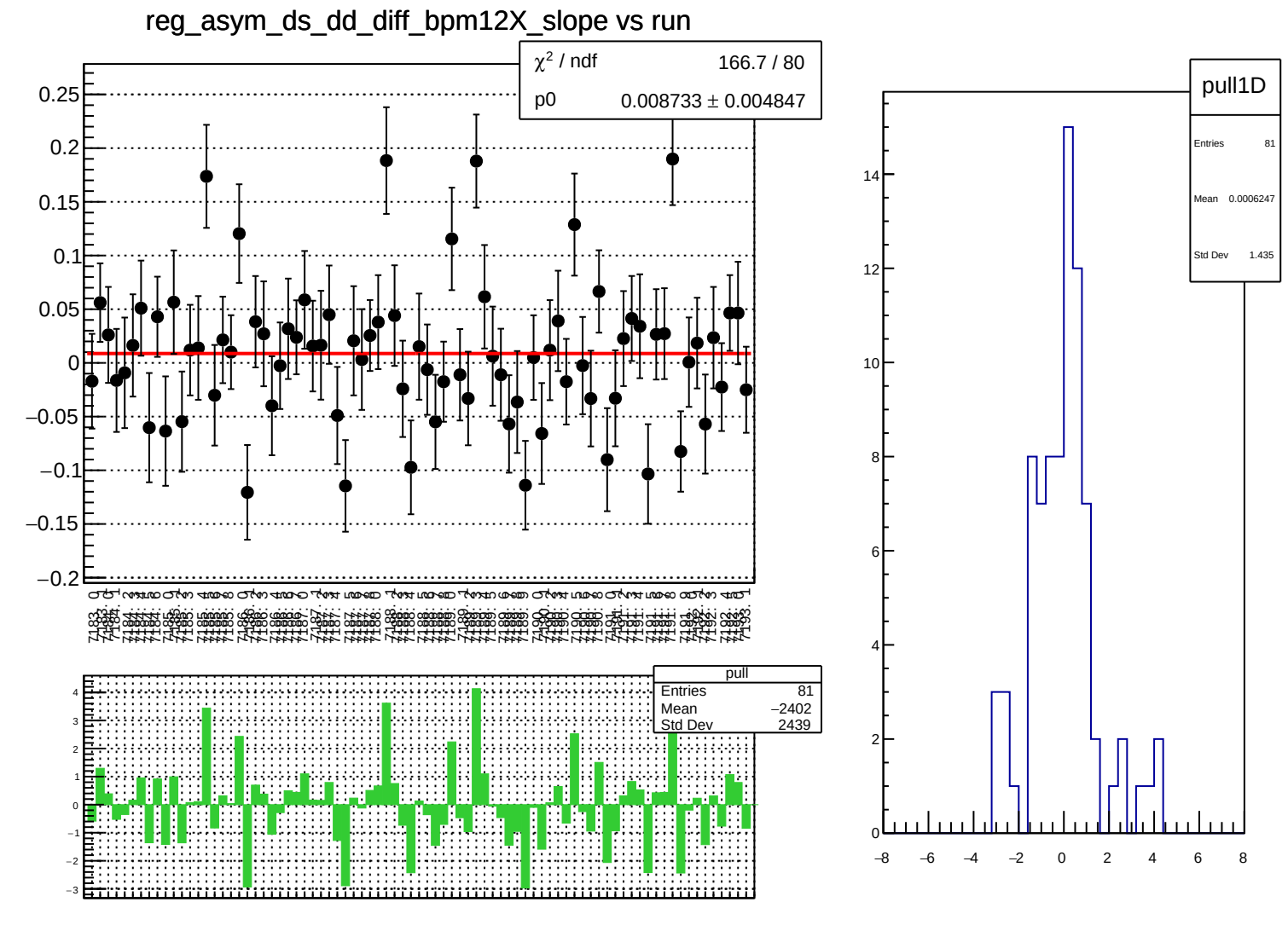

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 114.3 / 80
p0 −0.01207 ± 0.0992
pull
Entries 81
Mean −212.4
Std Dev 251.4
pull1D
Entries 81
Mean −0.01351
Std Dev 1.188

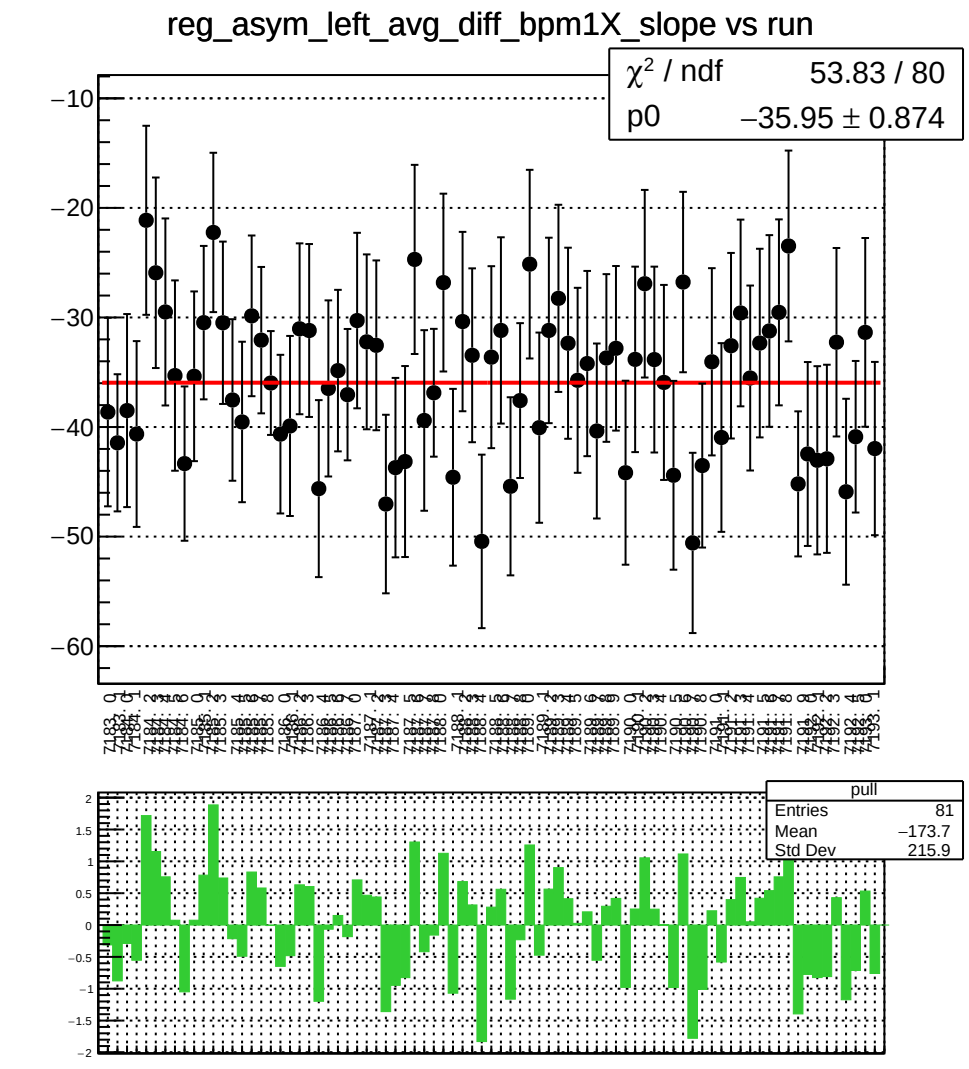

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 274.9 / 80
p0 −0.1396 ± 0.1327
pull
Entries 81
Mean 217.1
Std Dev 179

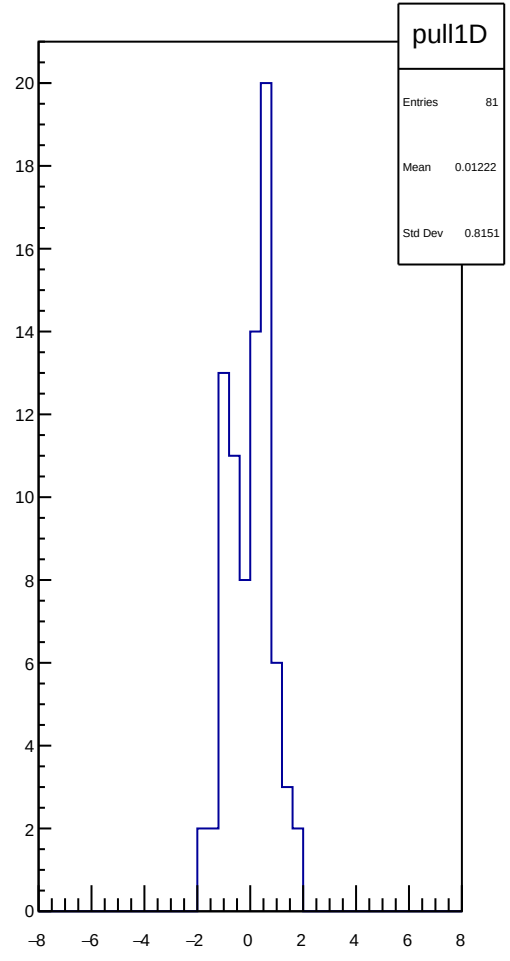

pull1D
Entries 81
Mean 0.08338
Std Dev 1.58

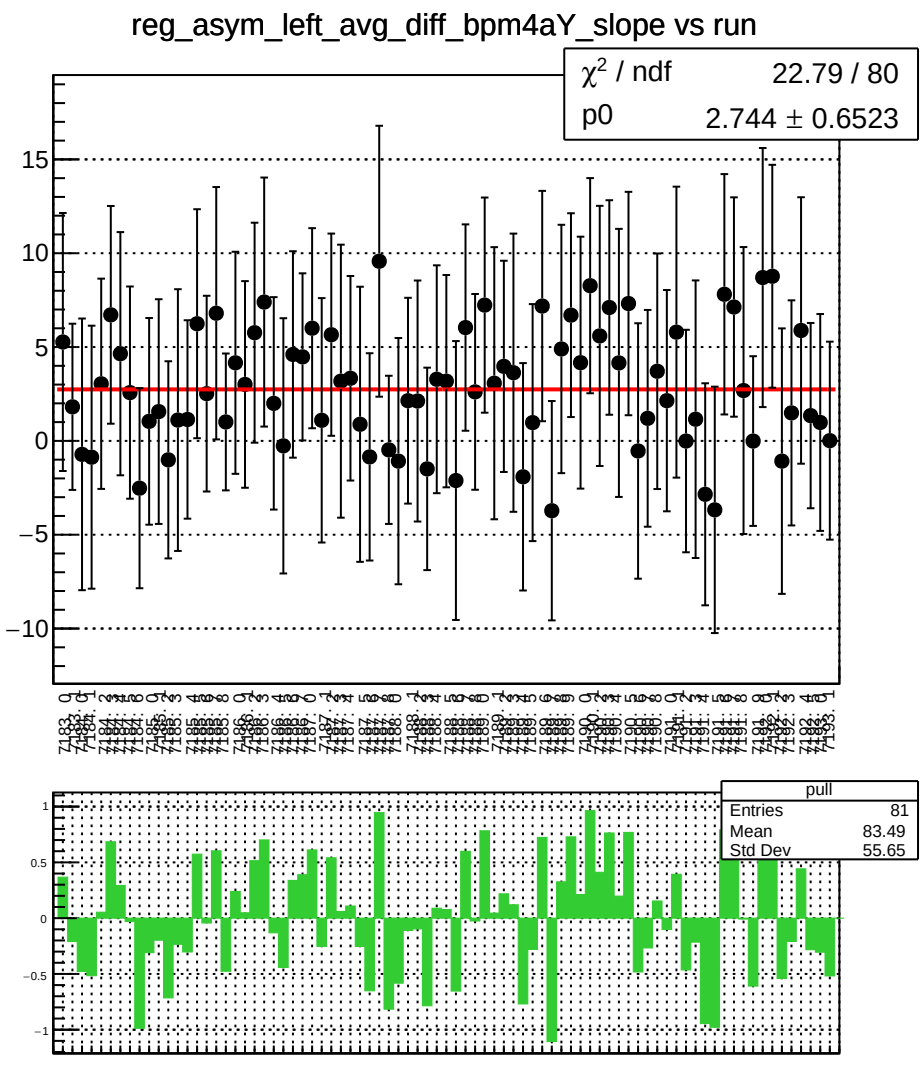

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 135.3 / 80
p0 −0.005824 ± 0.1076
pull
Entries 81
Mean −706.4
Std Dev 746.3

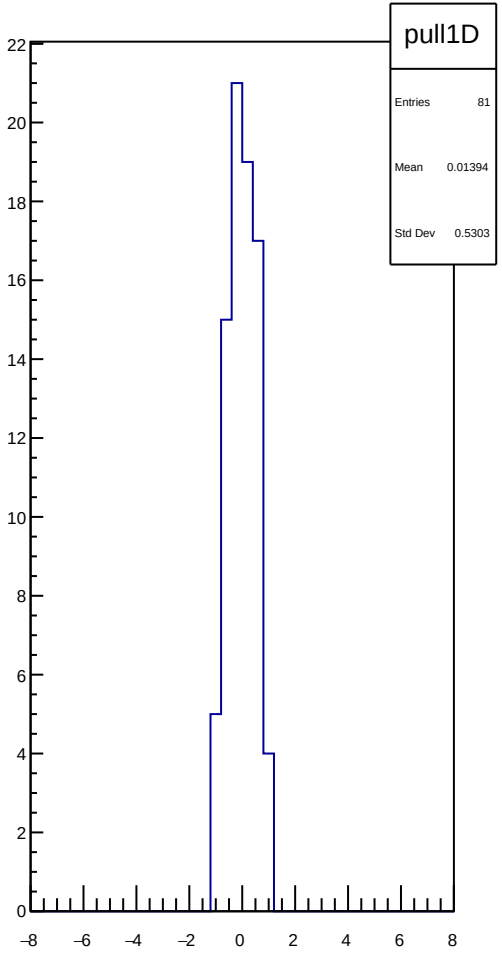

pull1D
Entries 81
Mean 0.005491
Std Dev 1.292

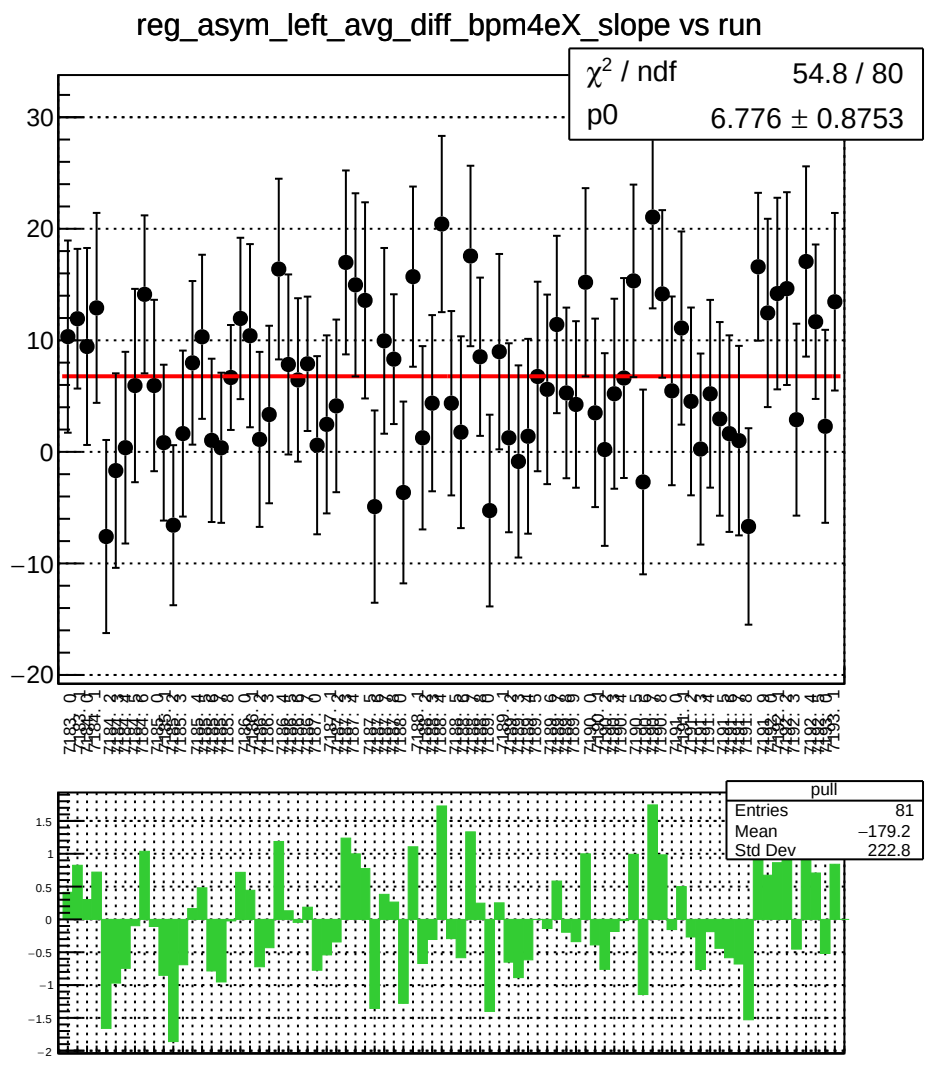

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 166.7 / 80
p0 0.008733 ± 0.004847
pull
Entries 81
Mean −2402
Std Dev 2439
pull1D
Entries 81
Mean 0.0006247
Std Dev 1.435

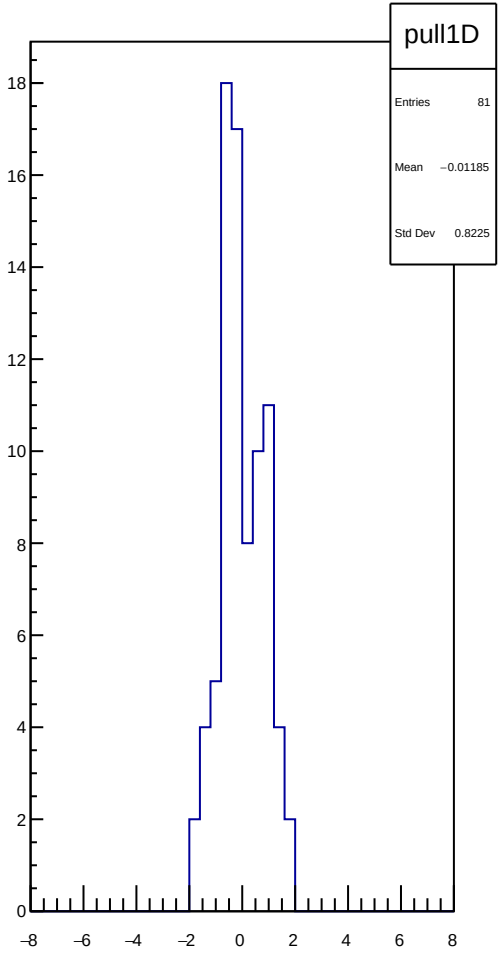

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 53.83 / 80
p0 −35.95 ± 0.874
pull
Entries 81
Mean −173.7
Std Dev 215.9

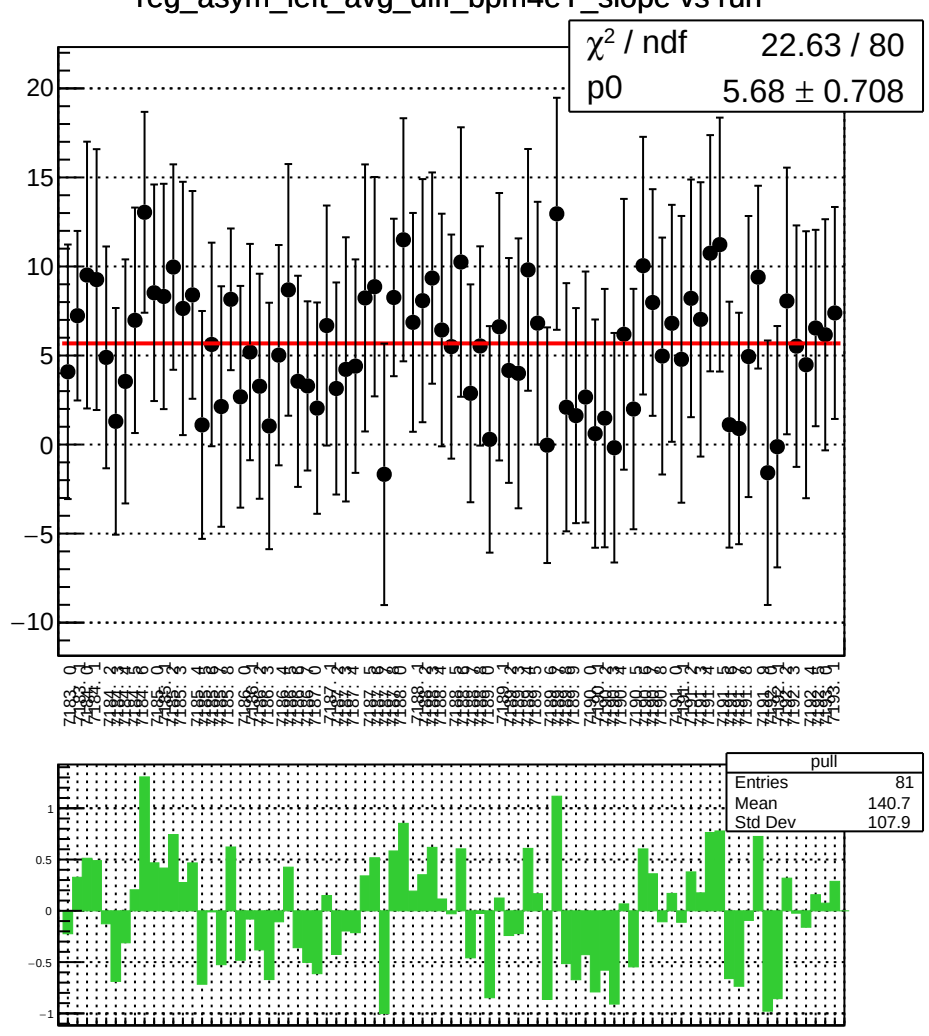

pull1D
Entries 81
Mean 0.01222
Std Dev 0.8151

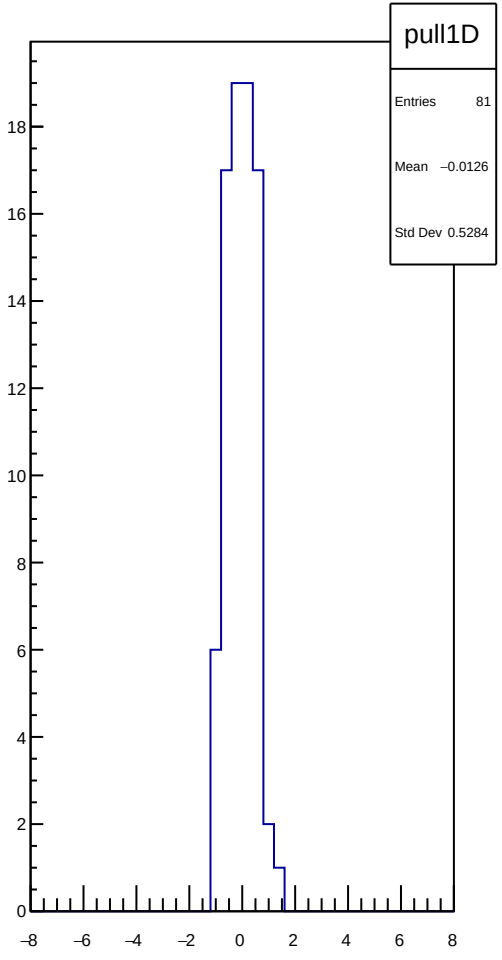

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.79 / 80
p0 2.744 ± 0.6523
pull
Entries 81
Mean 83.49
Std Dev 55.65

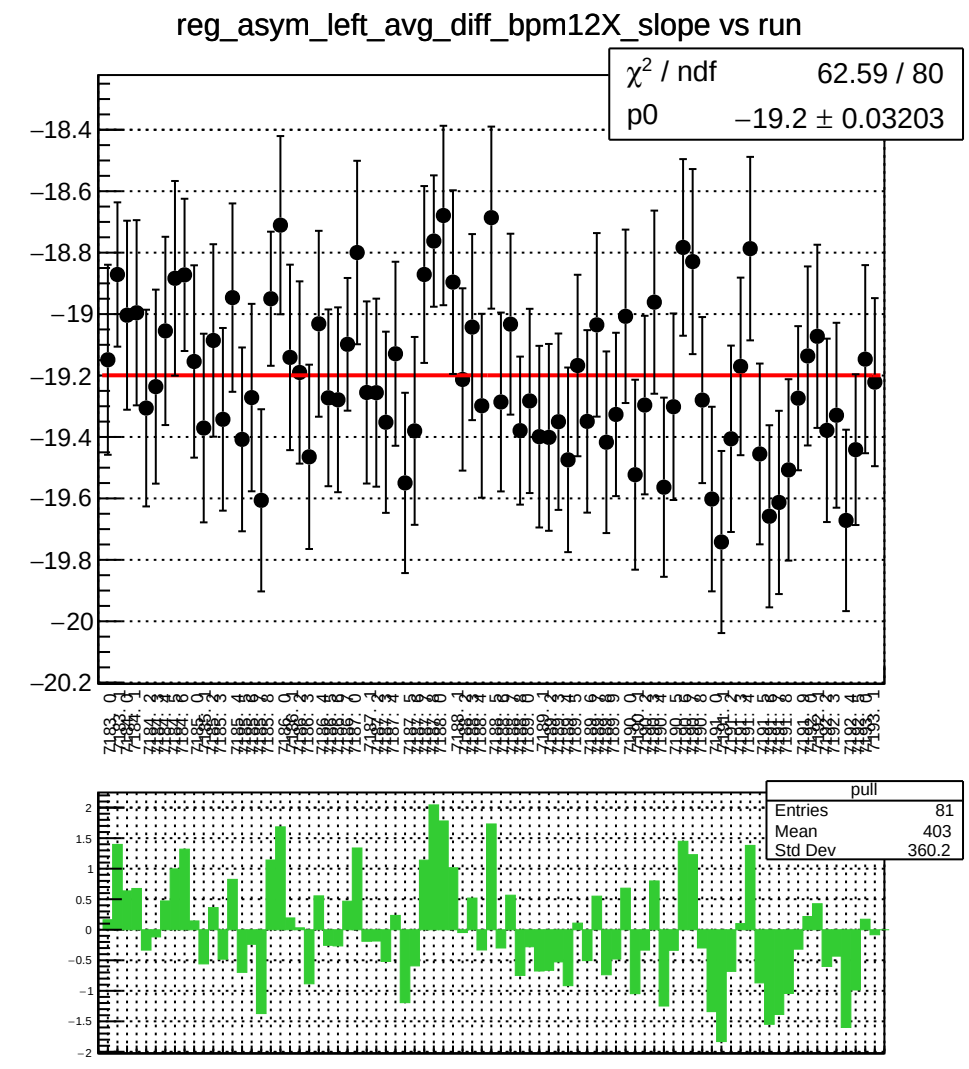

pull1D
Entries 81
Mean 0.01394
Std Dev 0.5303

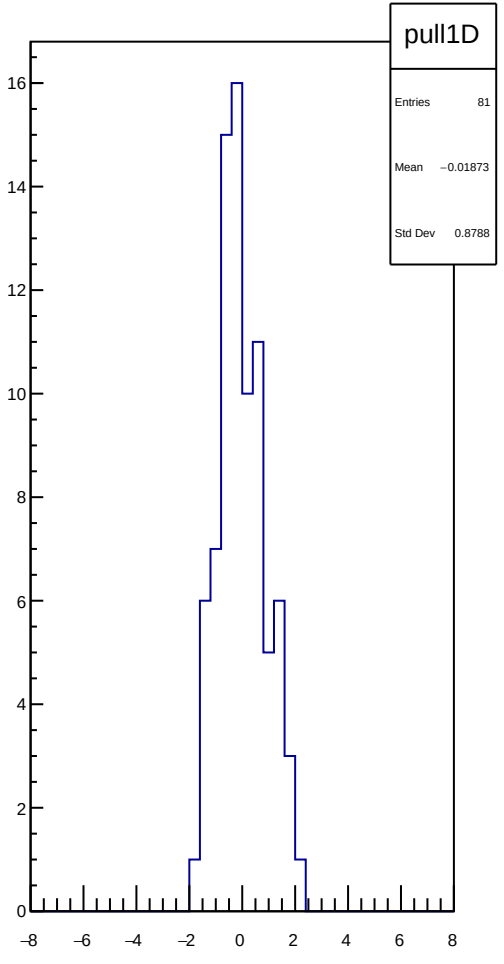

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.8 / 80
p0 6.776 ± 0.8753
pull
Entries 81
Mean −179.2
Std Dev 222.8

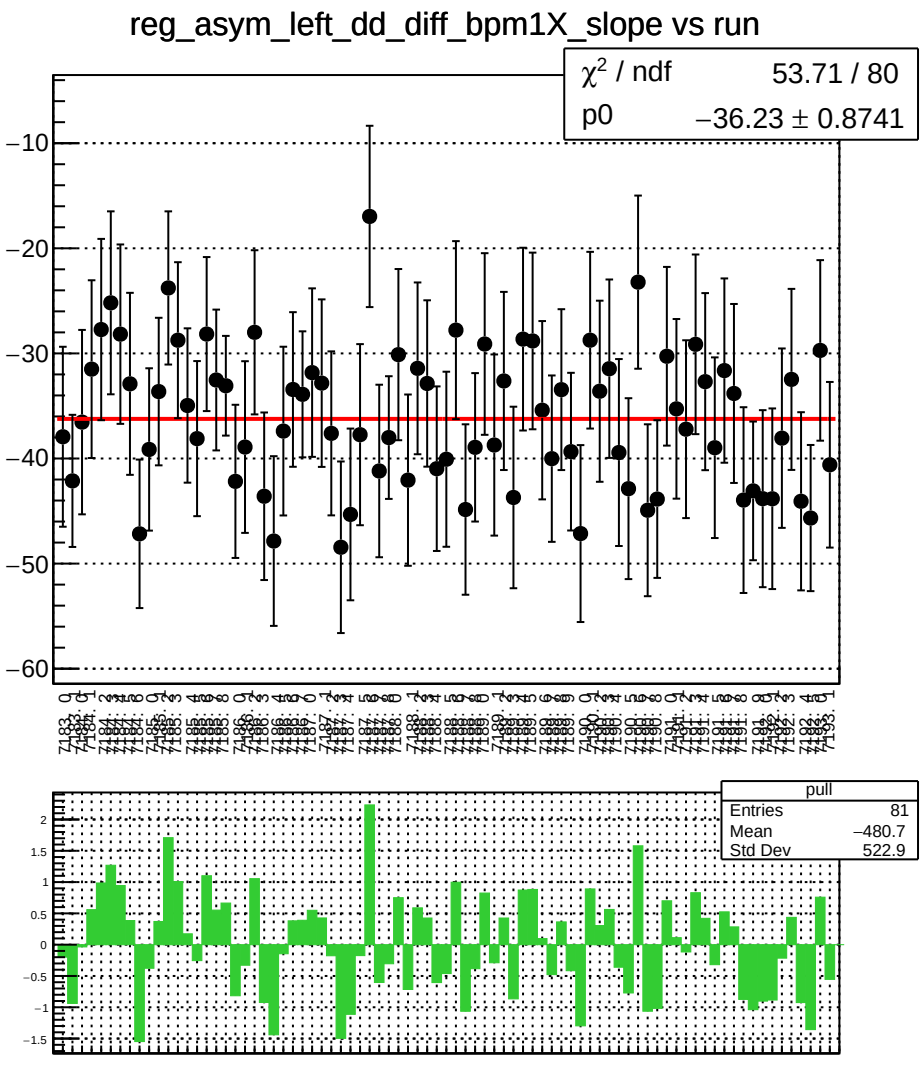

pull1D
Entries 81
Mean −0.01185
Std Dev 0.8225

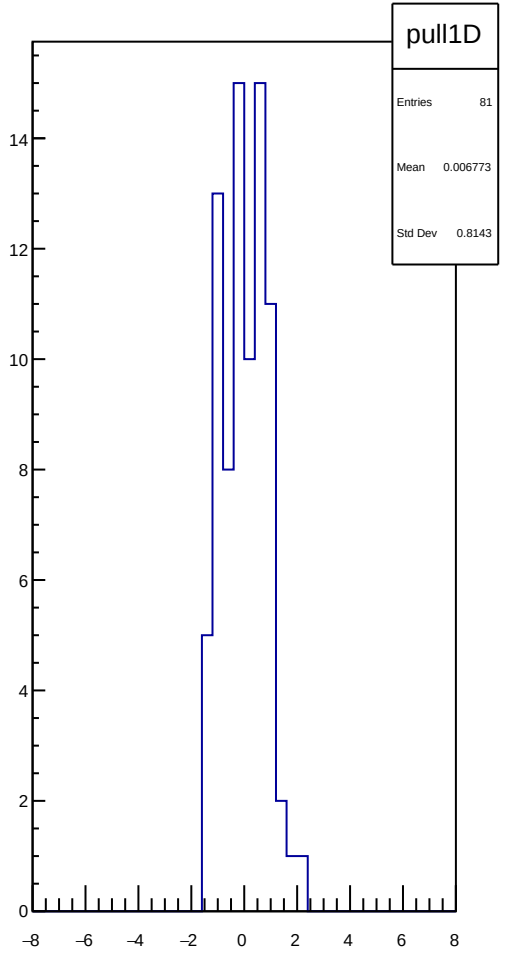

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.63 / 80
p0 5.68 ± 0.708
pull
Entries 81
Mean 140.7
Std Dev 107.9

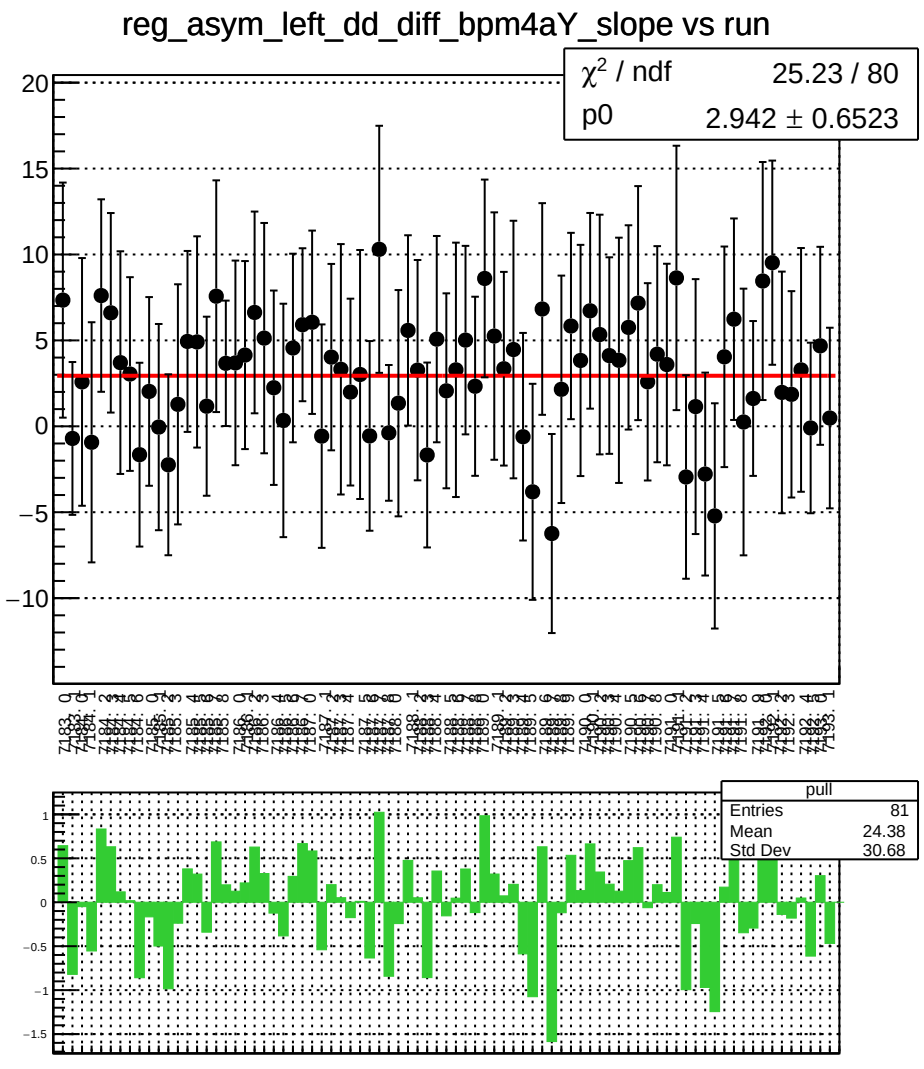

pull1D
Entries 81
Mean −0.0126
Std Dev 0.5284

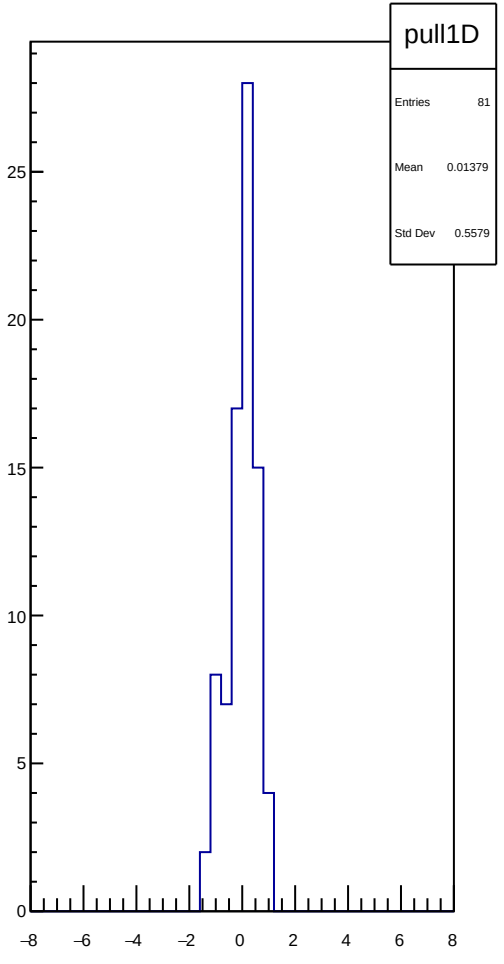

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 62.59 / 80
p0 −19.2 ± 0.03203
pull
Entries 81
Mean 403
Std Dev 360.2

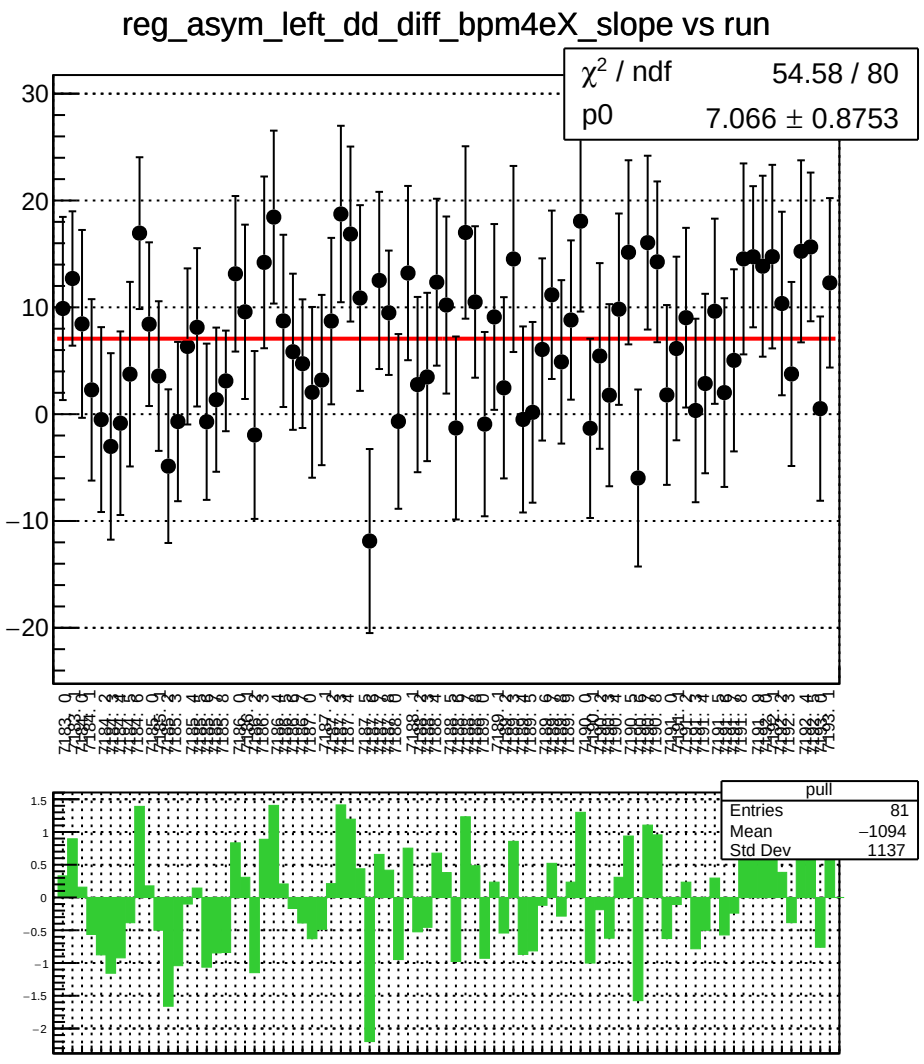

pull1D
Entries 81
Mean −0.01873
Std Dev 0.8788

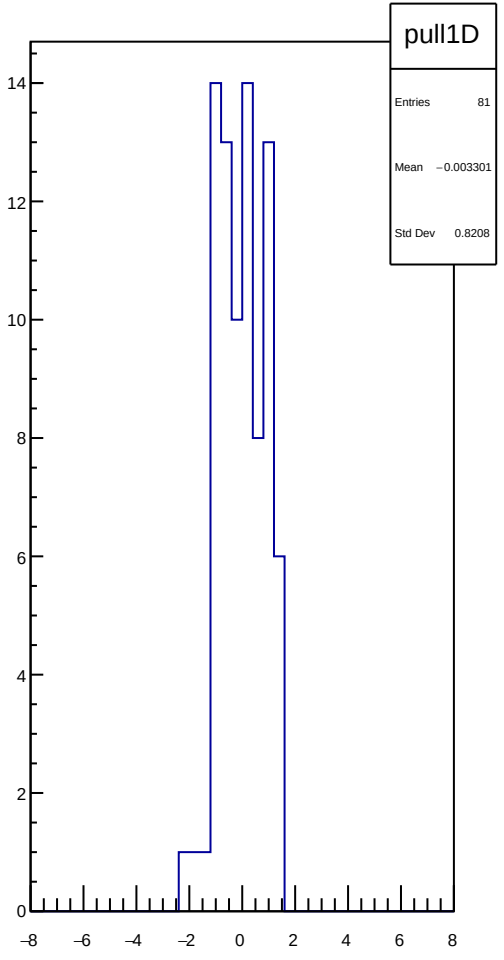

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 53.71 / 80
p0 −36.23 ± 0.8741
pull
Entries 81
Mean −480.7
Std Dev 522.9

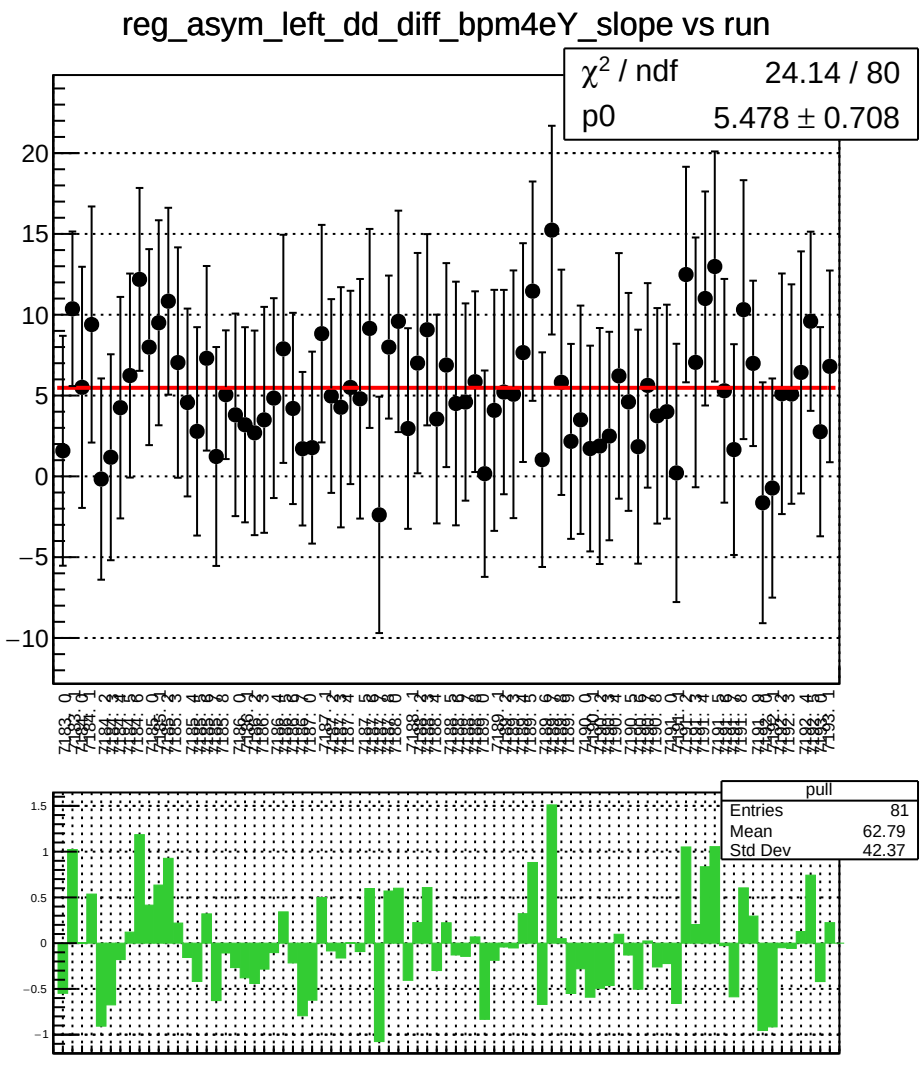

pull1D
Entries 81
Mean 0.006773
Std Dev 0.8143

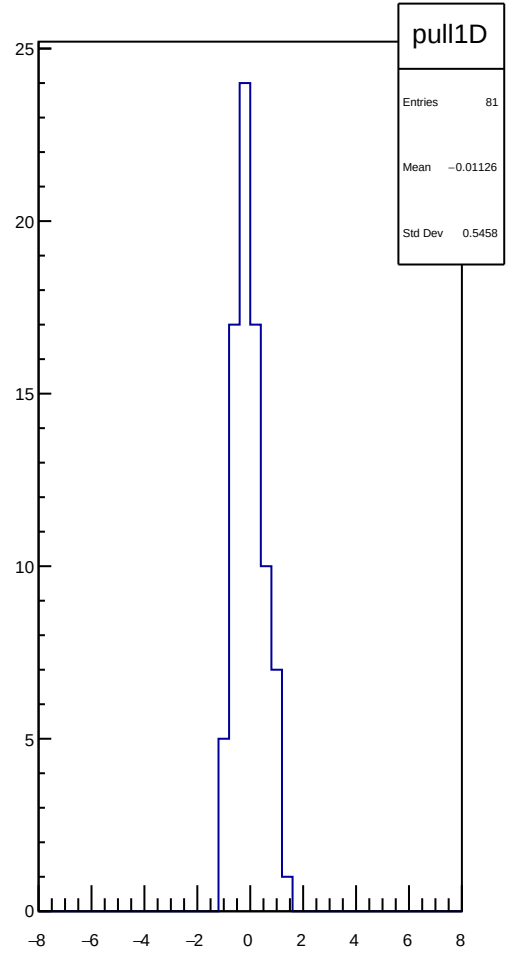

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.23 / 80
p0 2.942 ± 0.6523
pull
Entries 81
Mean 24.38
Std Dev 30.68

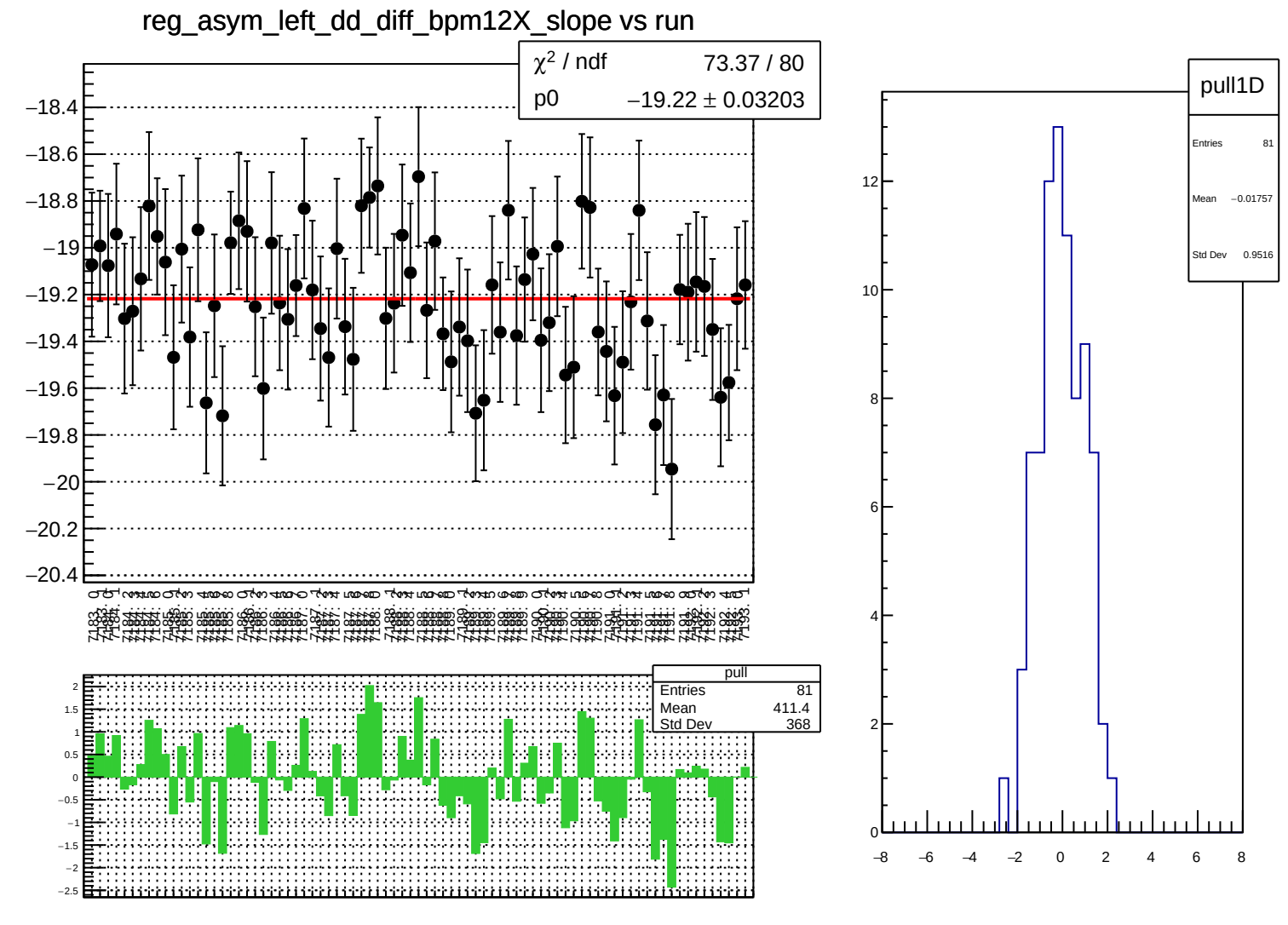

pull1D
Entries 81
Mean 0.01379
Std Dev 0.5579

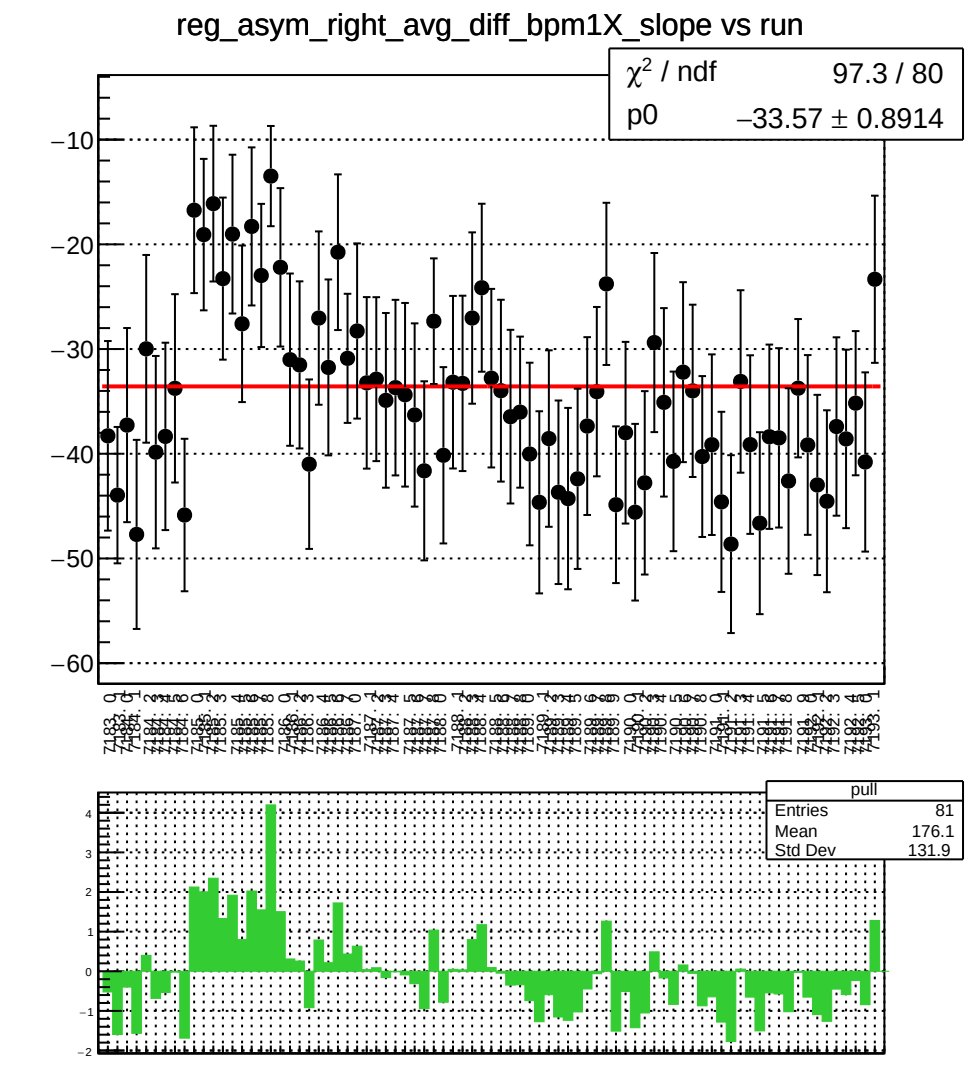

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.58 / 80
p0 7.066 ± 0.8753
pull
Entries 81
Mean −1094
Std Dev 1137

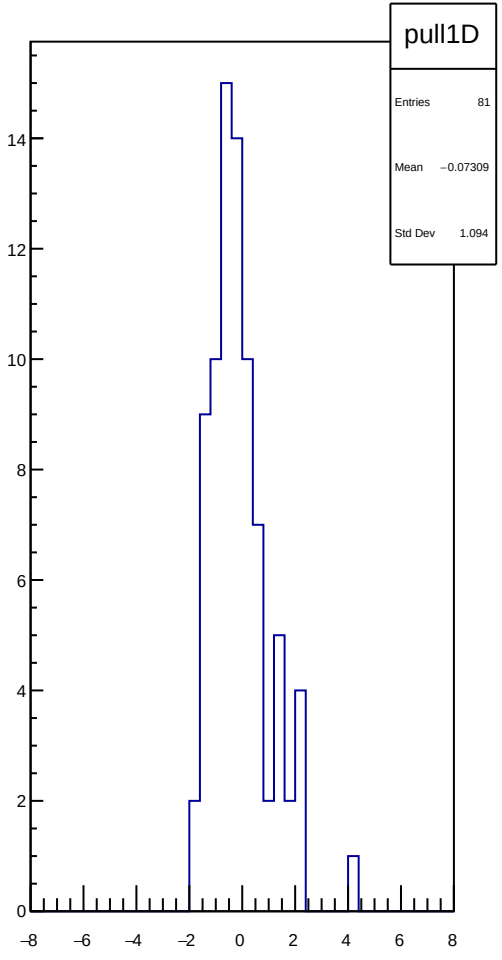

pull1D
Entries 81
Mean −0.003301
Std Dev 0.8208

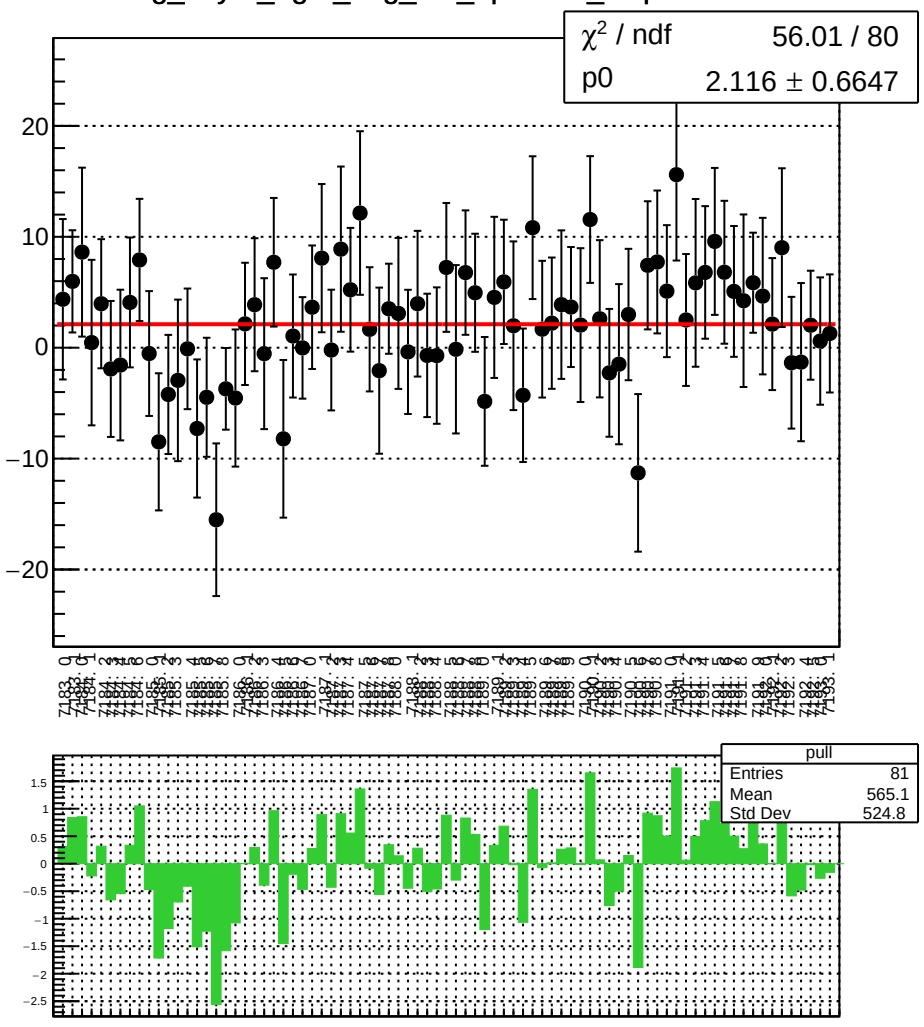

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.14 / 80
p0 5.478 ± 0.708
pull
Entries 81
Mean 62.79
Std Dev 42.37

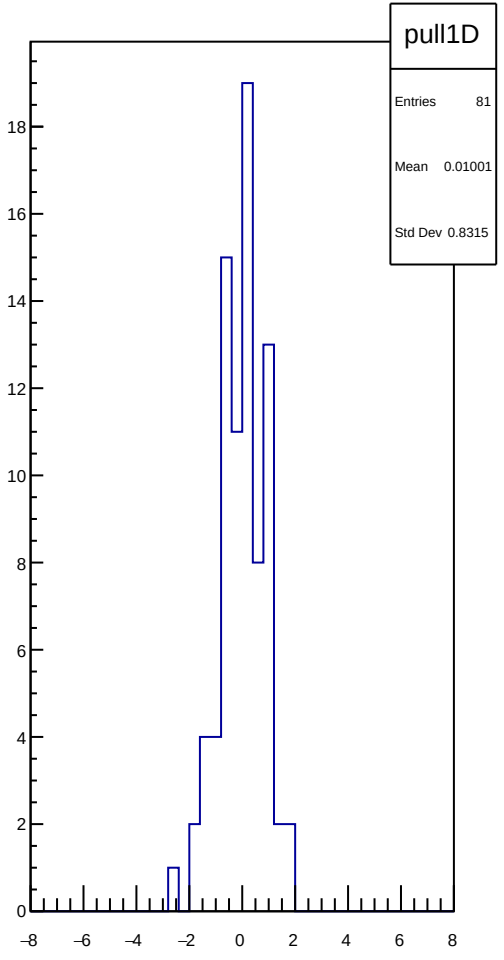

pull1D
Entries 81
Mean −0.01126
Std Dev 0.5458

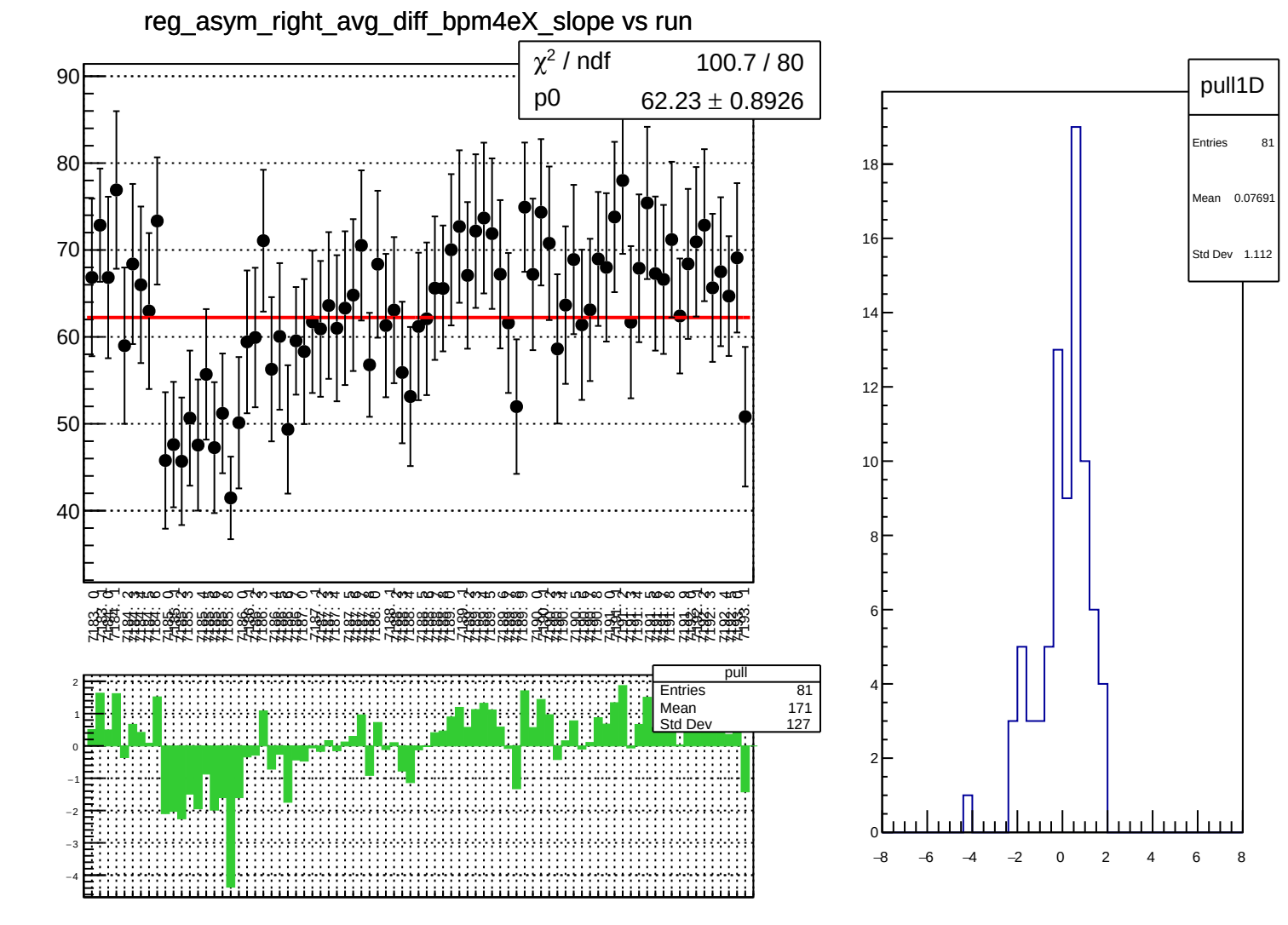

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 73.37 / 80
p0 −19.22 ± 0.03203
pull
Entries 81
Mean 411.4
Std Dev 368
pull1D
Entries 81
Mean −0.01757
Std Dev 0.9516

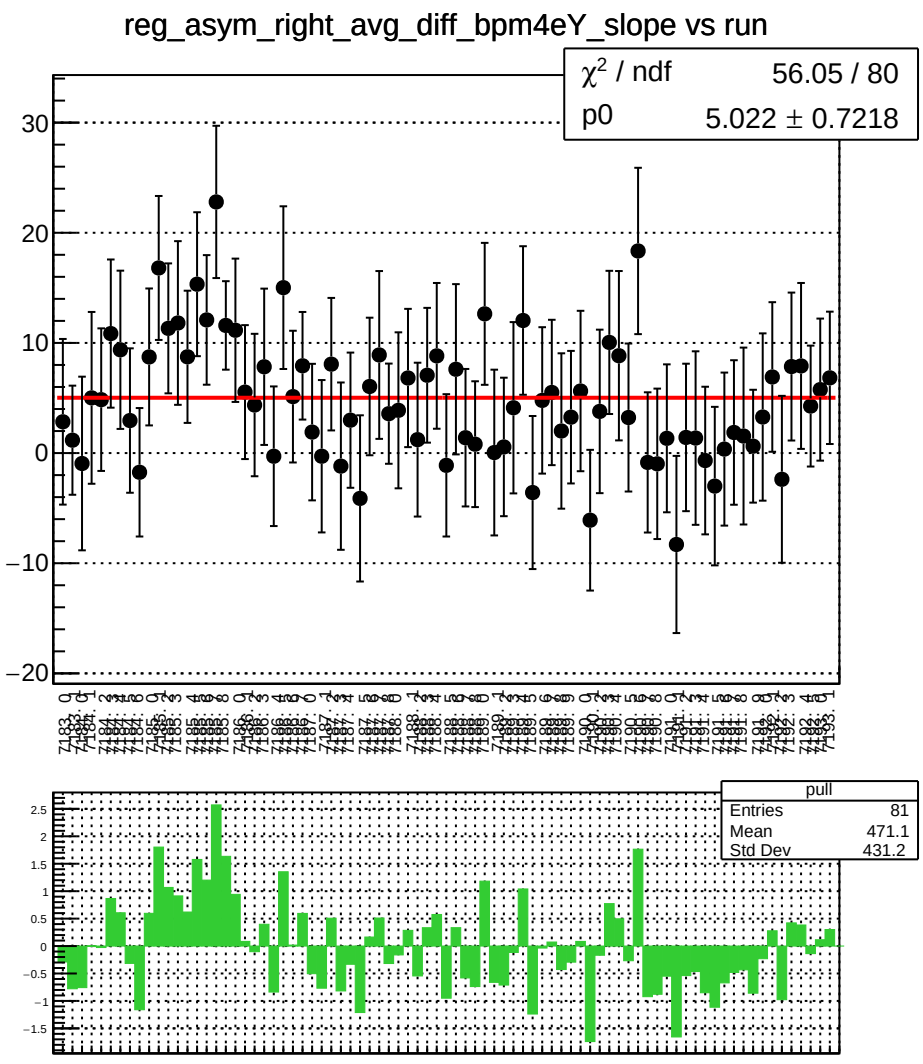

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 97.3 / 80
p0 −33.57 ± 0.8914
pull
Entries 81
Mean 176.1
Std Dev 131.9

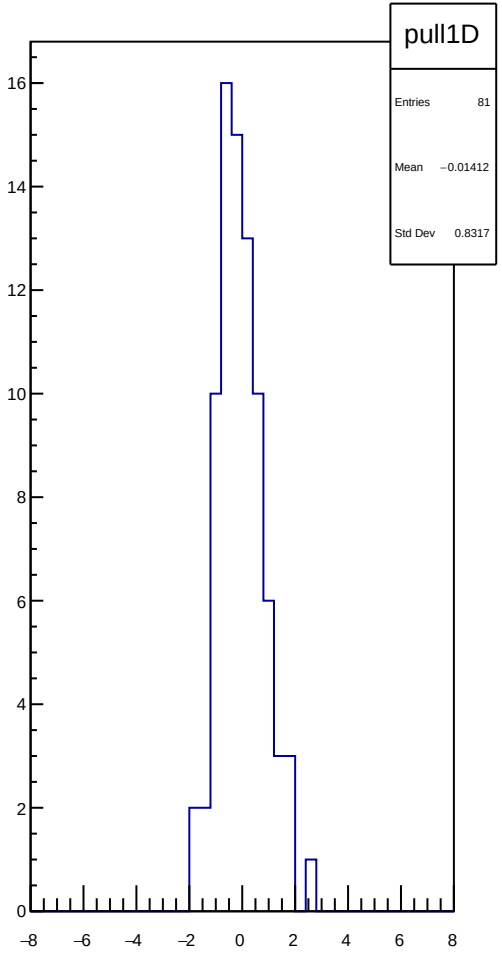

pull1D
Entries 81
Mean −0.07309
Std Dev 1.094

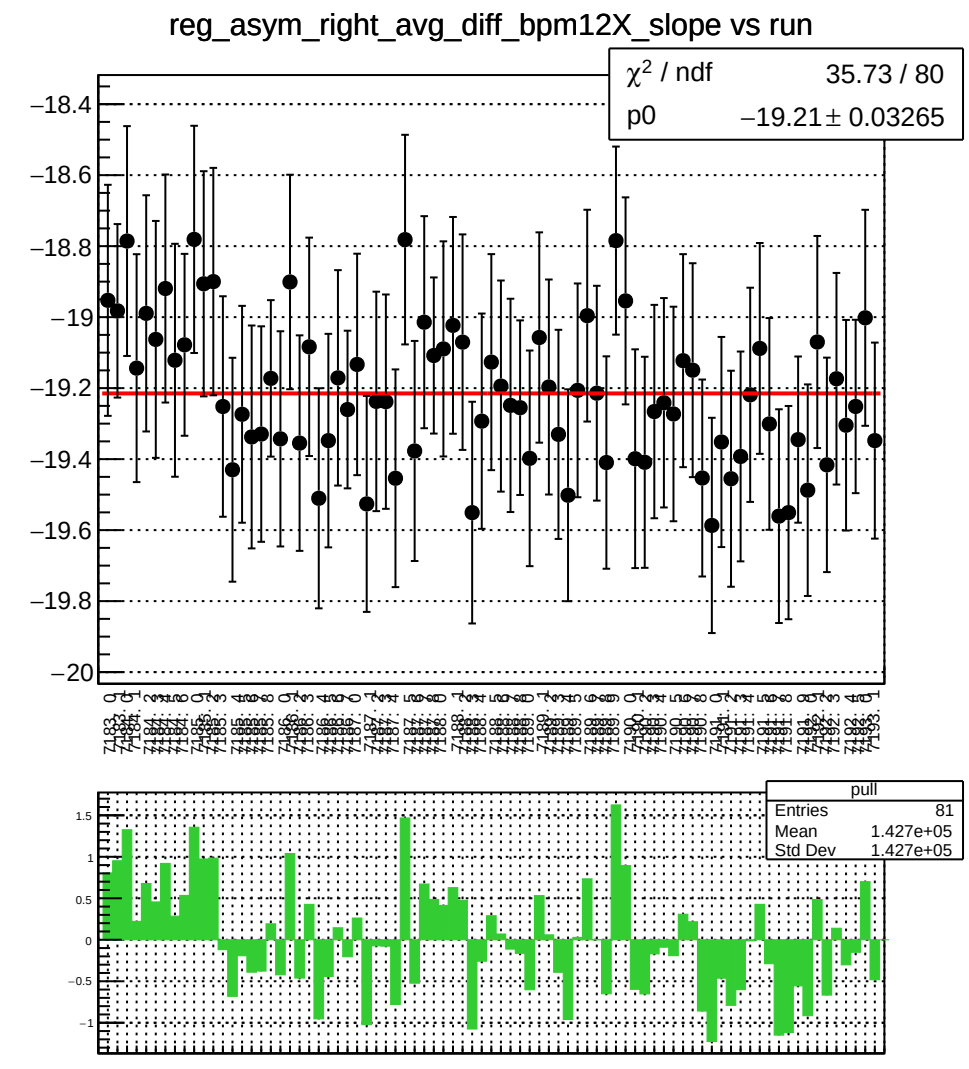

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.01 / 80
p0 2.116 ± 0.6647
pull
Entries 81
Mean 565.1
Std Dev 524.8

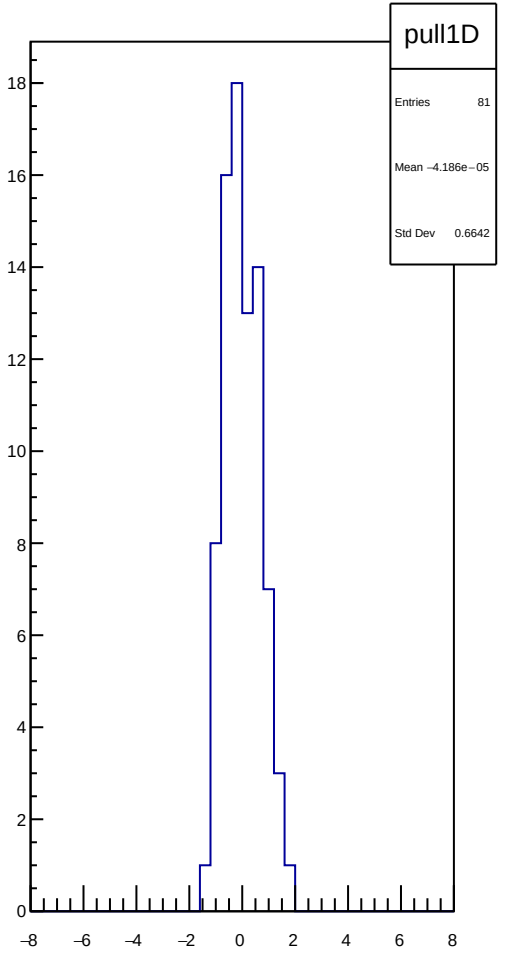

pull1D
Entries 81
Mean 0.01001
Std Dev 0.8315

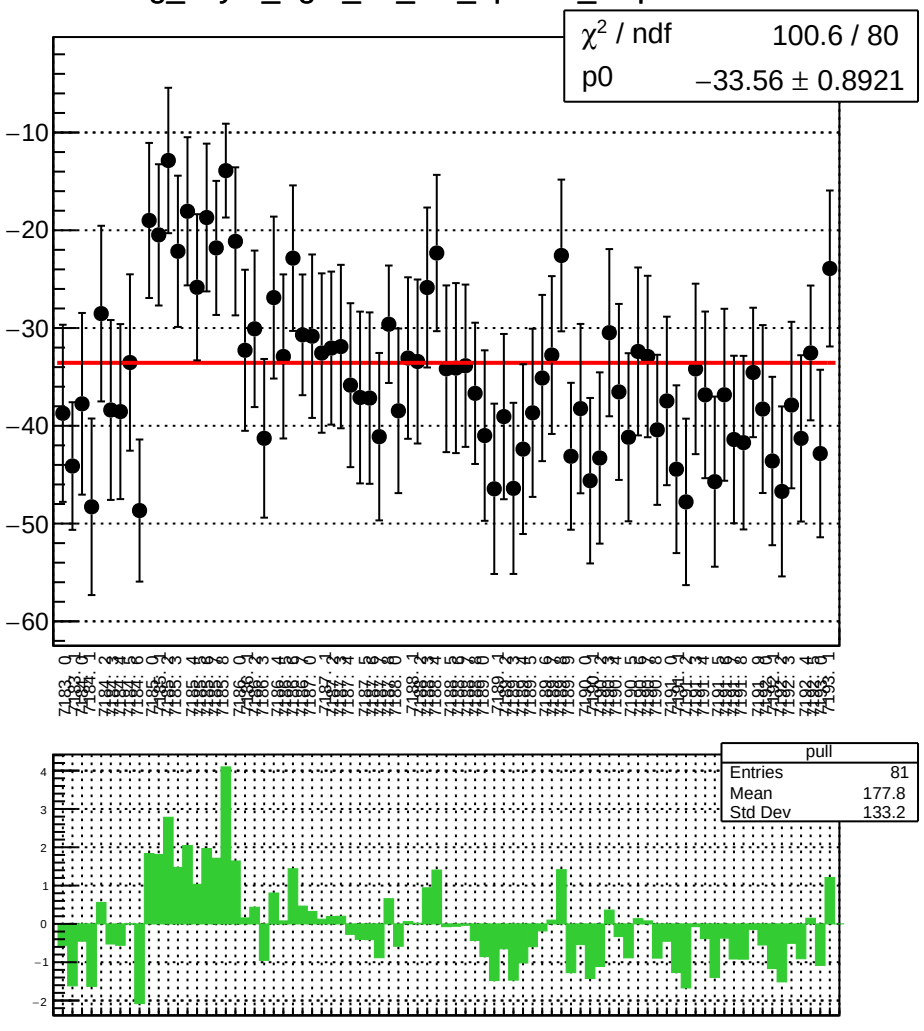

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 100.7 / 80
p0 62.23 ± 0.8926
pull
Entries 81
Mean 171
Std Dev 127
pull1D
Entries 81
Mean 0.07691
Std Dev 1.112

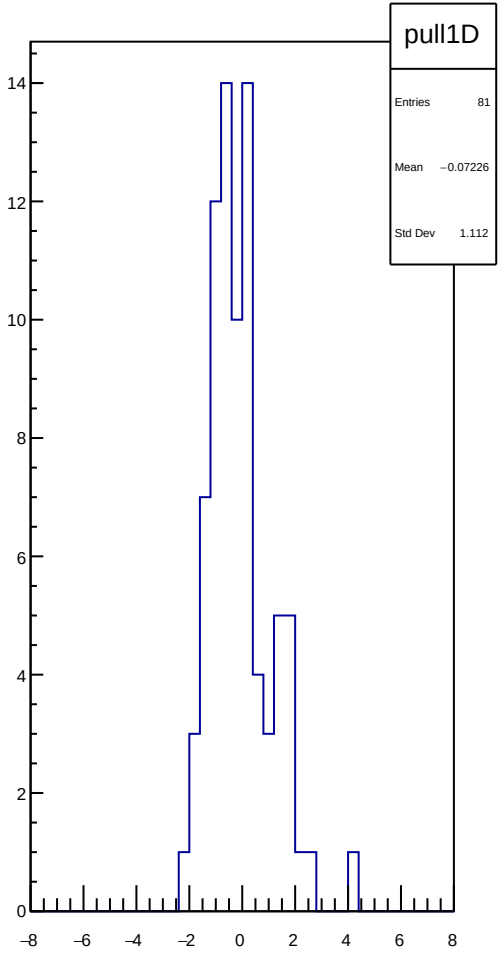

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.05 / 80
p0 5.022 ± 0.7218
pull
Entries 81
Mean 471.1
Std Dev 431.2

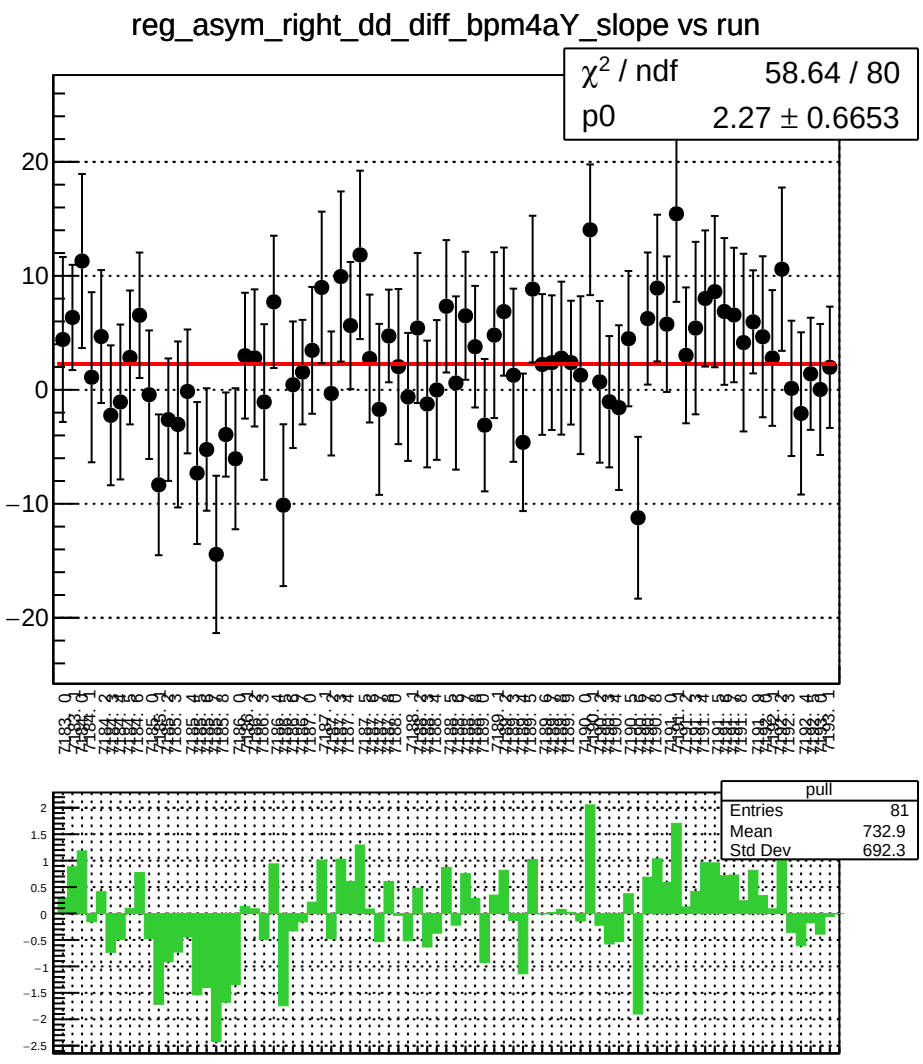

pull1D
Entries 81
Mean −0.01412
Std Dev 0.8317

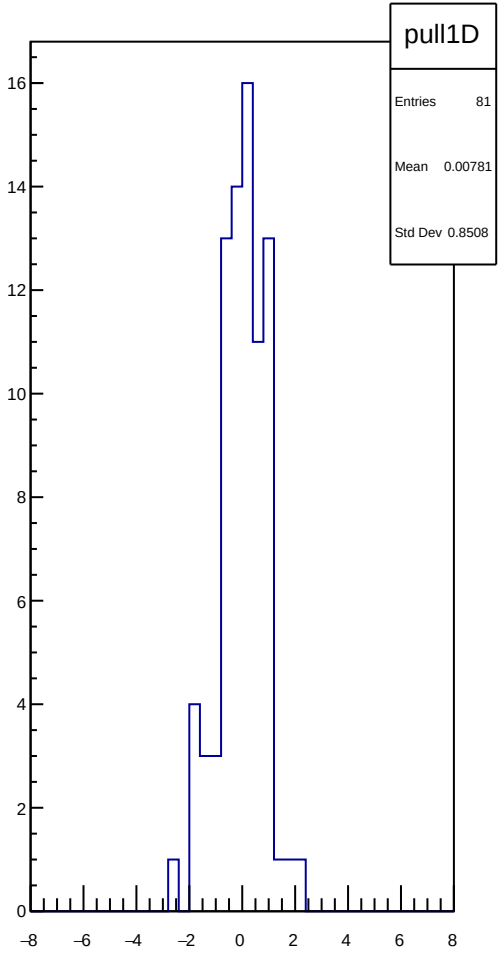

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 35.73 / 80
p0 −19.21 ± 0.03265
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
pull
Entries 81
Mean 1.427e+05
Std Dev 1.427e+05
1.5
1
0.5
0
−0.5
−1

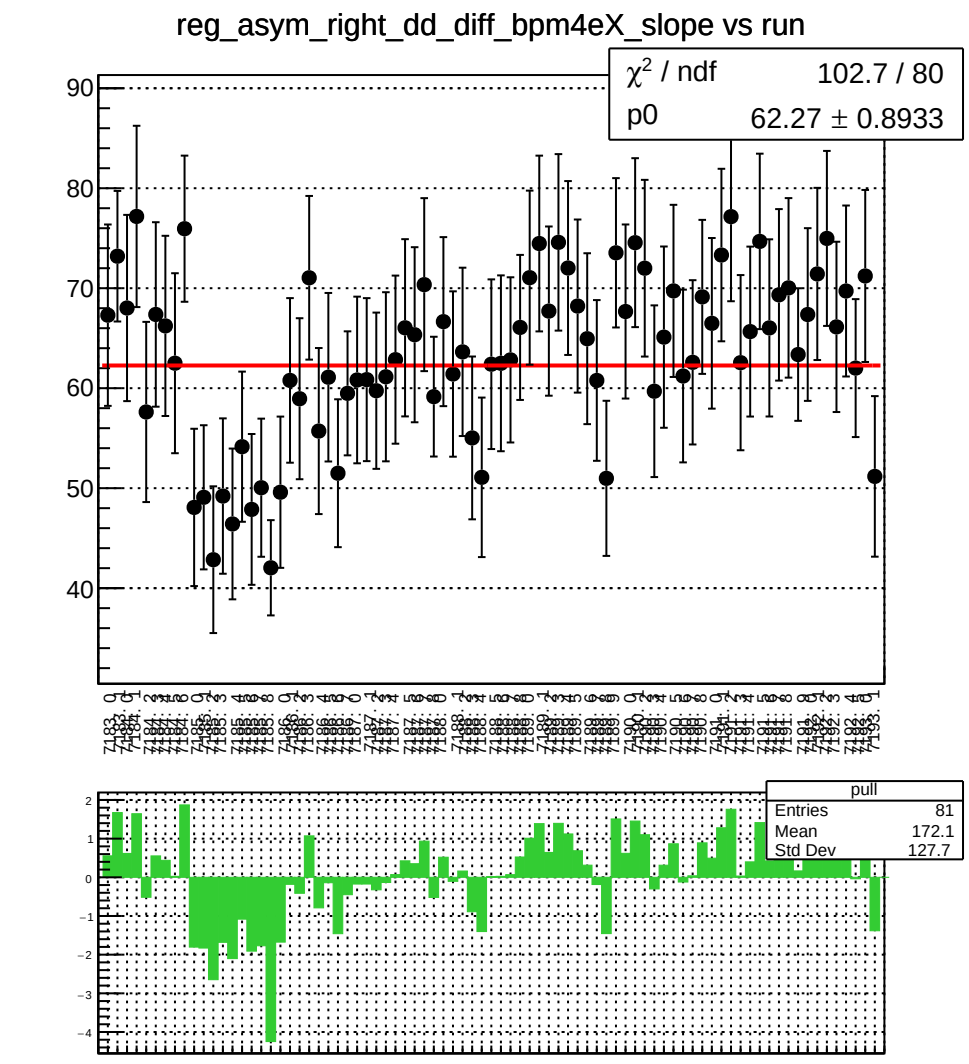

pull1D
Entries 81
Mean −4.186e−05
Std Dev 0.6642
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

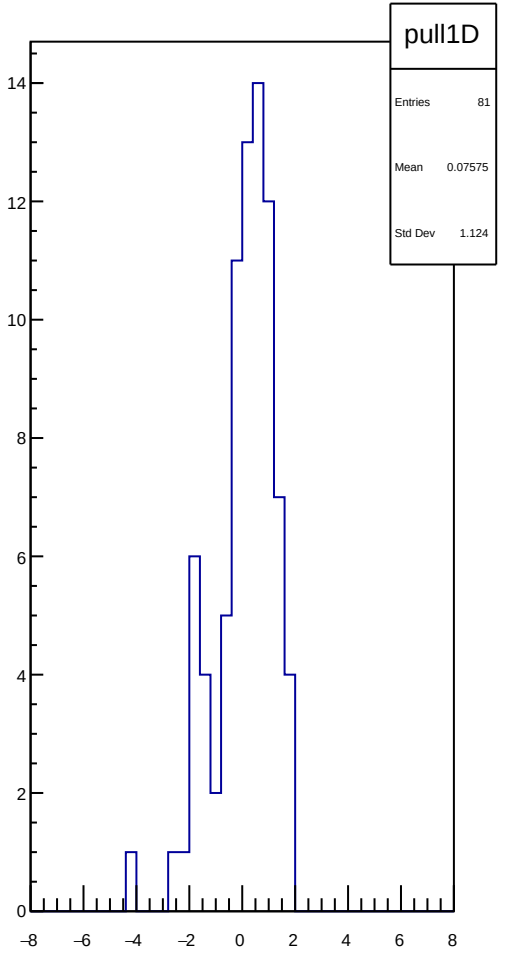

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 100.6 / 80
p0 −33.56 ± 0.8921
pull
Entries 81
Mean 177.8
Std Dev 133.2

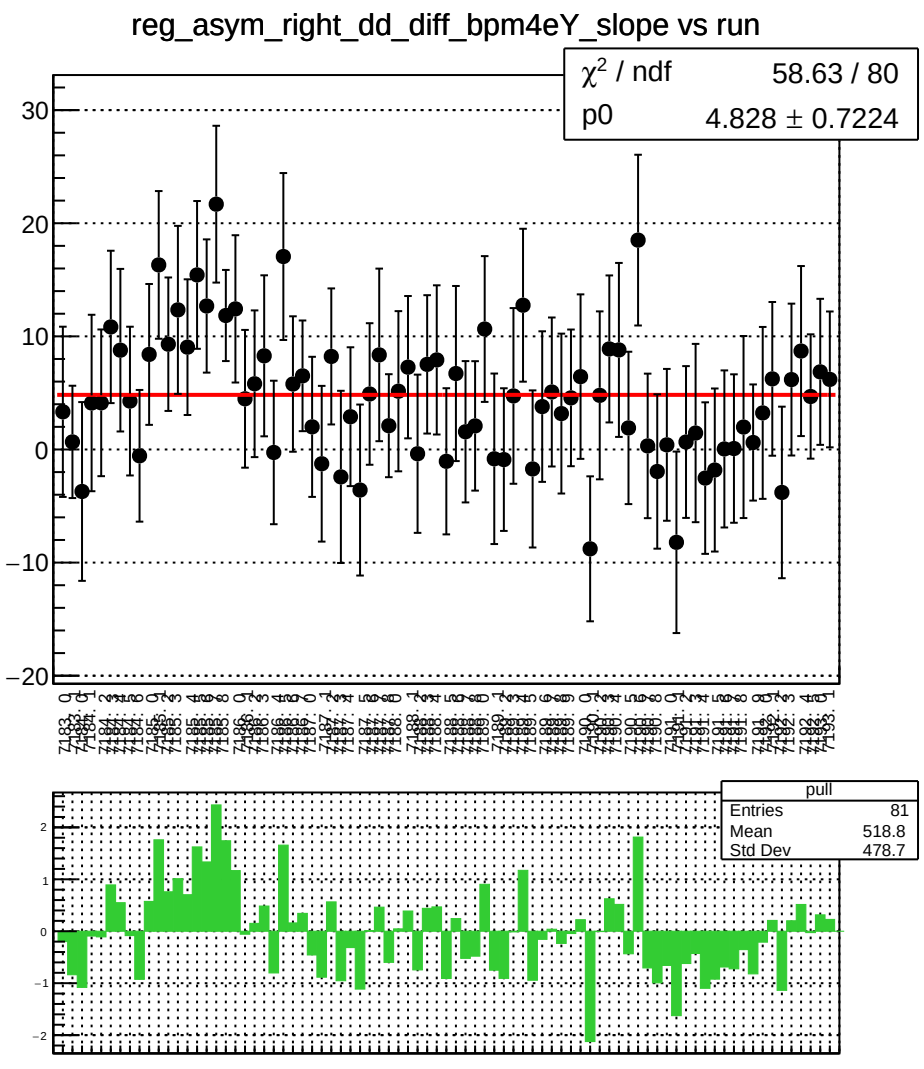

pull1D
Entries 81
Mean −0.07226
Std Dev 1.112

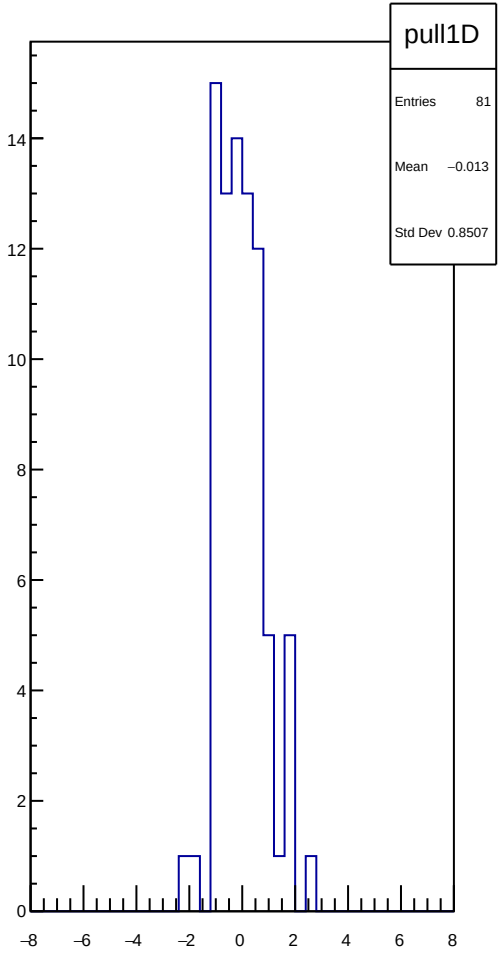

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.64 / 80
p0 2.27 ± 0.6653
pull
Entries 81
Mean 732.9
Std Dev 692.3

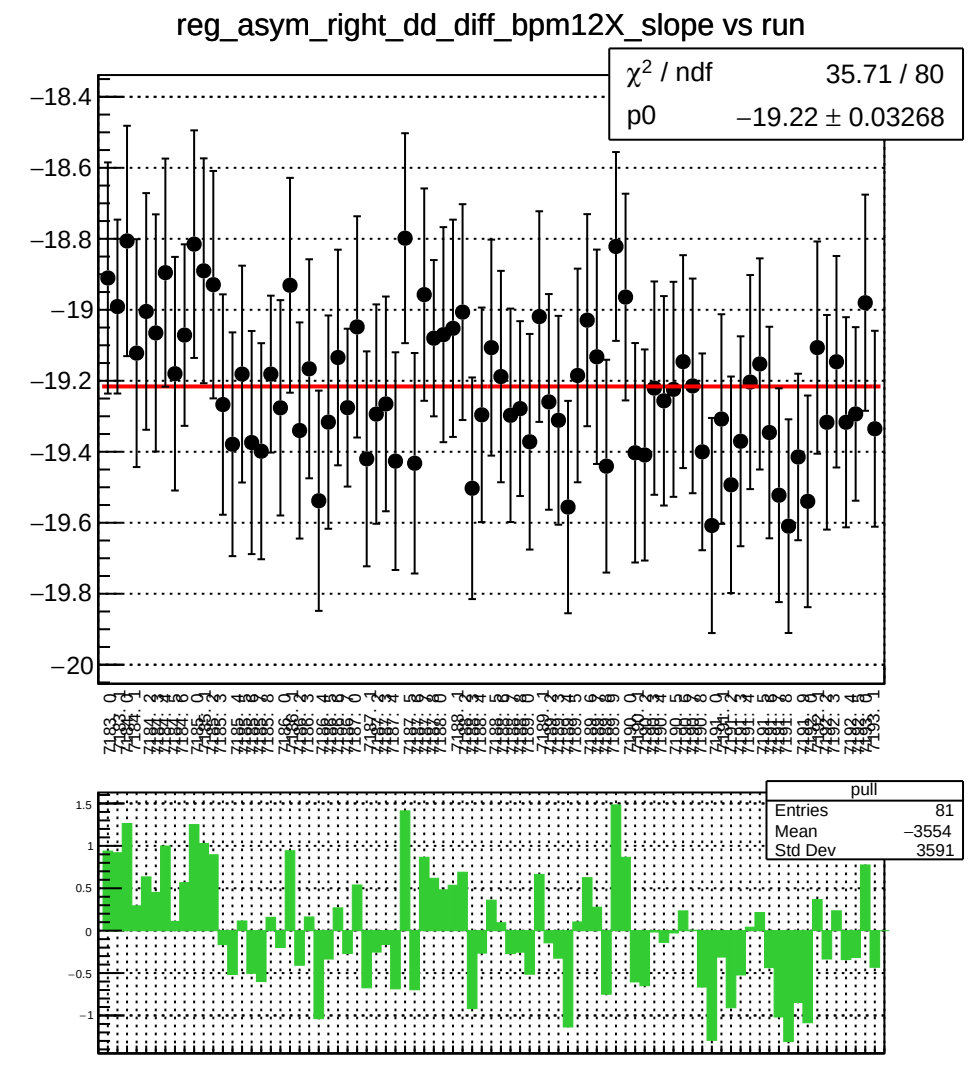

pull1D
Entries 81
Mean 0.00781
Std Dev 0.8508

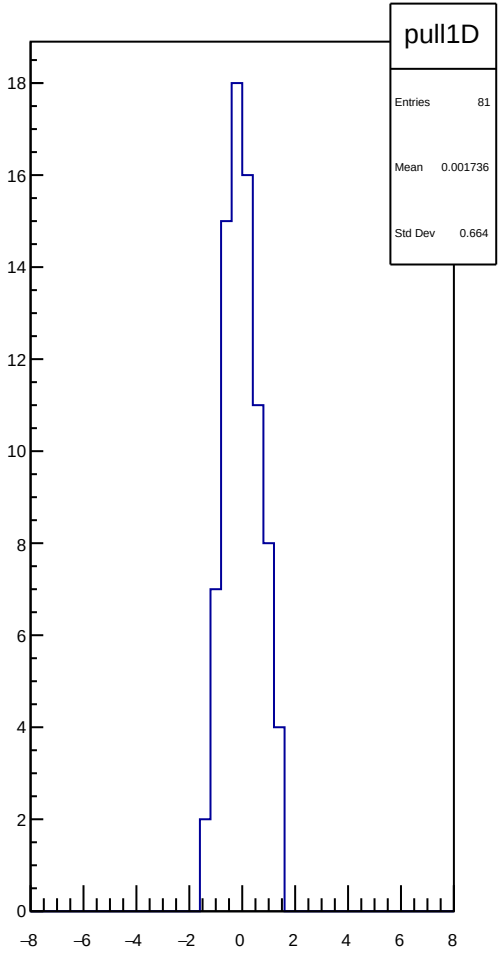

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.7 / 80
p0 62.27 ± 0.8933
pull
Entries 81
Mean 172.1
Std Dev 127.7

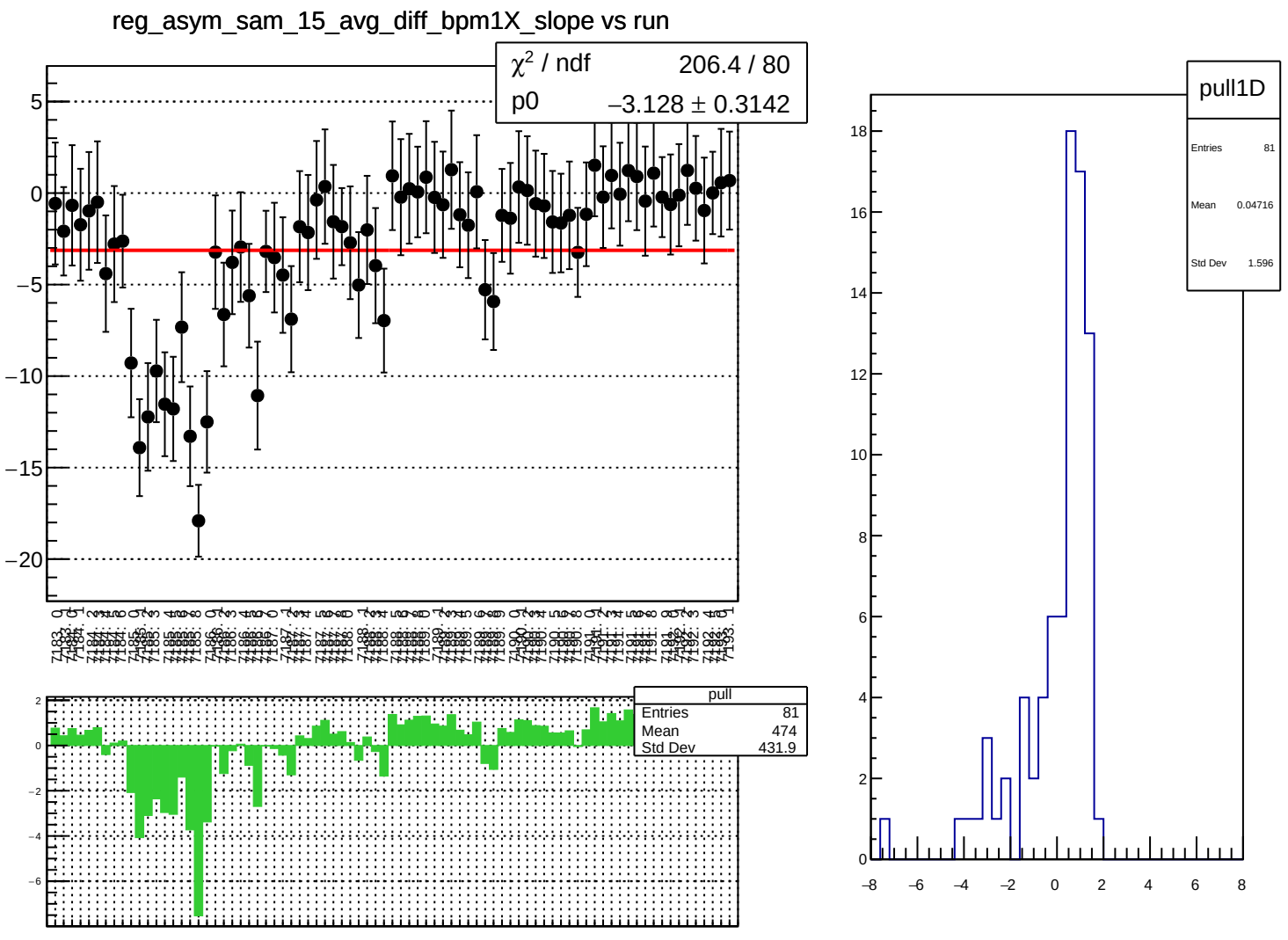

pull1D
Entries 81
Mean 0.07575
Std Dev 1.124

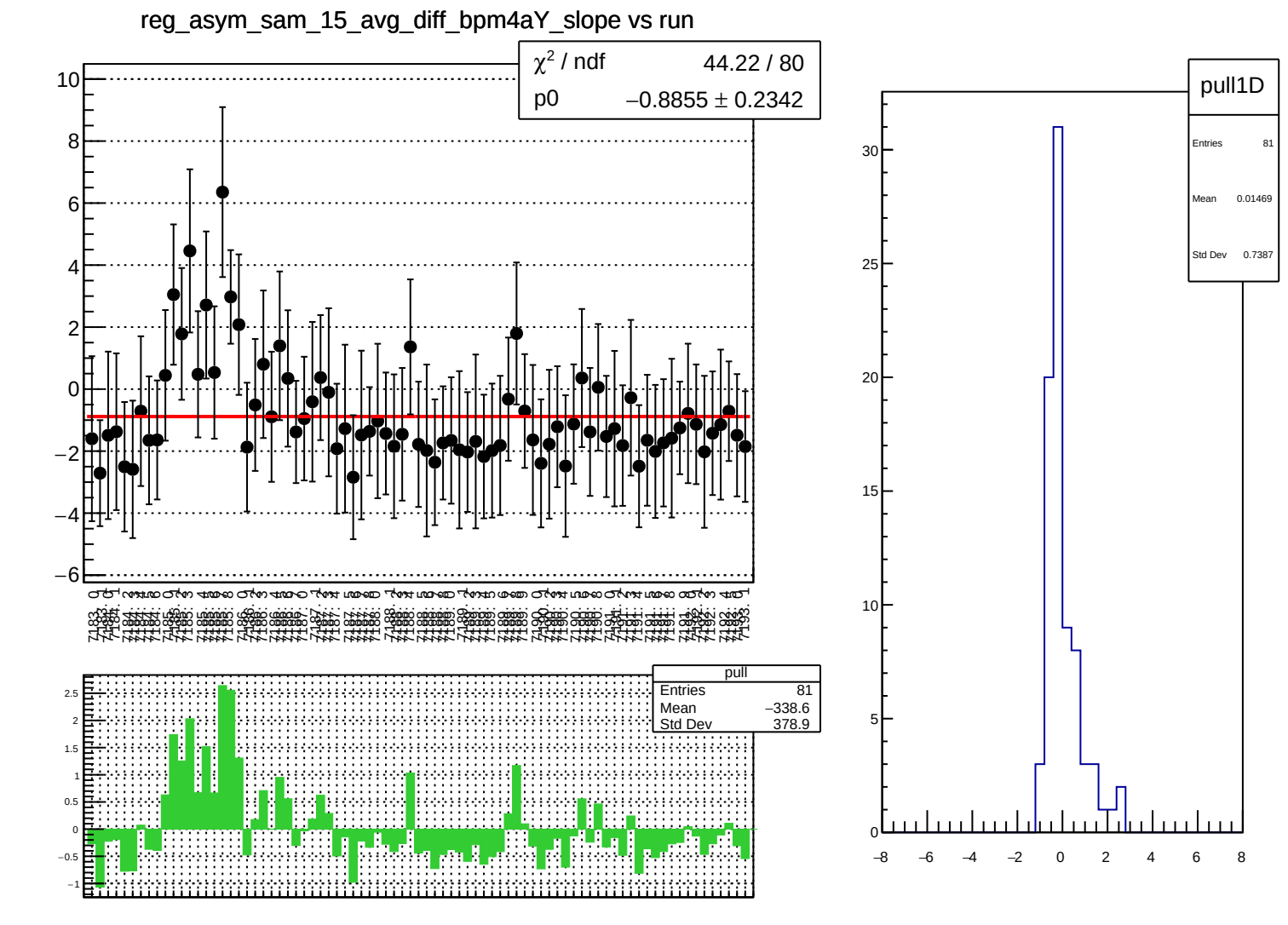

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.63 / 80
p0 4.828 ± 0.7224
pull
Entries 81
Mean 518.8
Std Dev 478.7

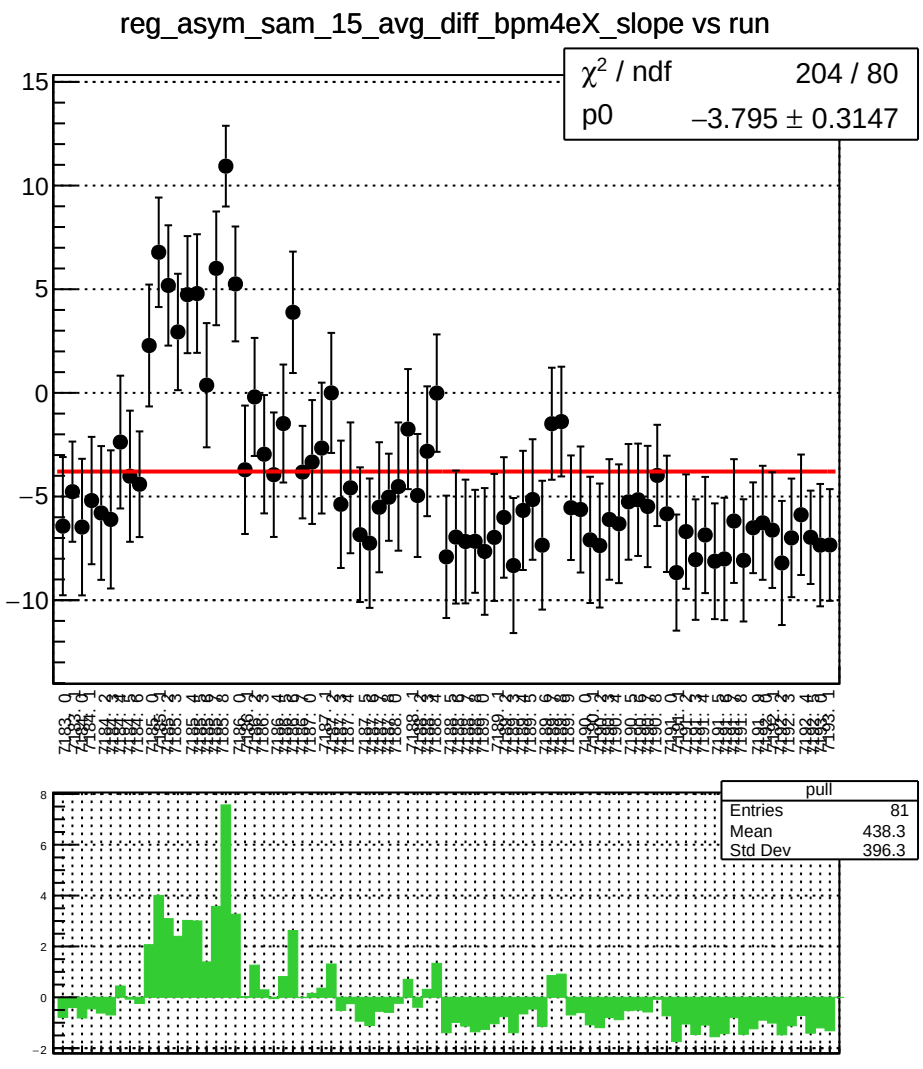

pull1D
Entries 81
Mean −0.013
Std Dev 0.8507

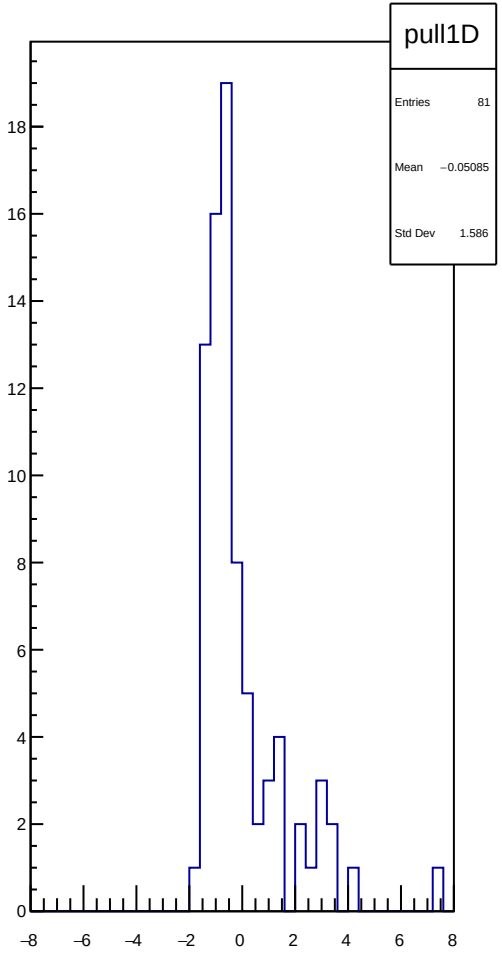

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 35.71 / 80
p0 −19.22 ± 0.03268
pull
Entries 81
Mean −3554
Std Dev 3591

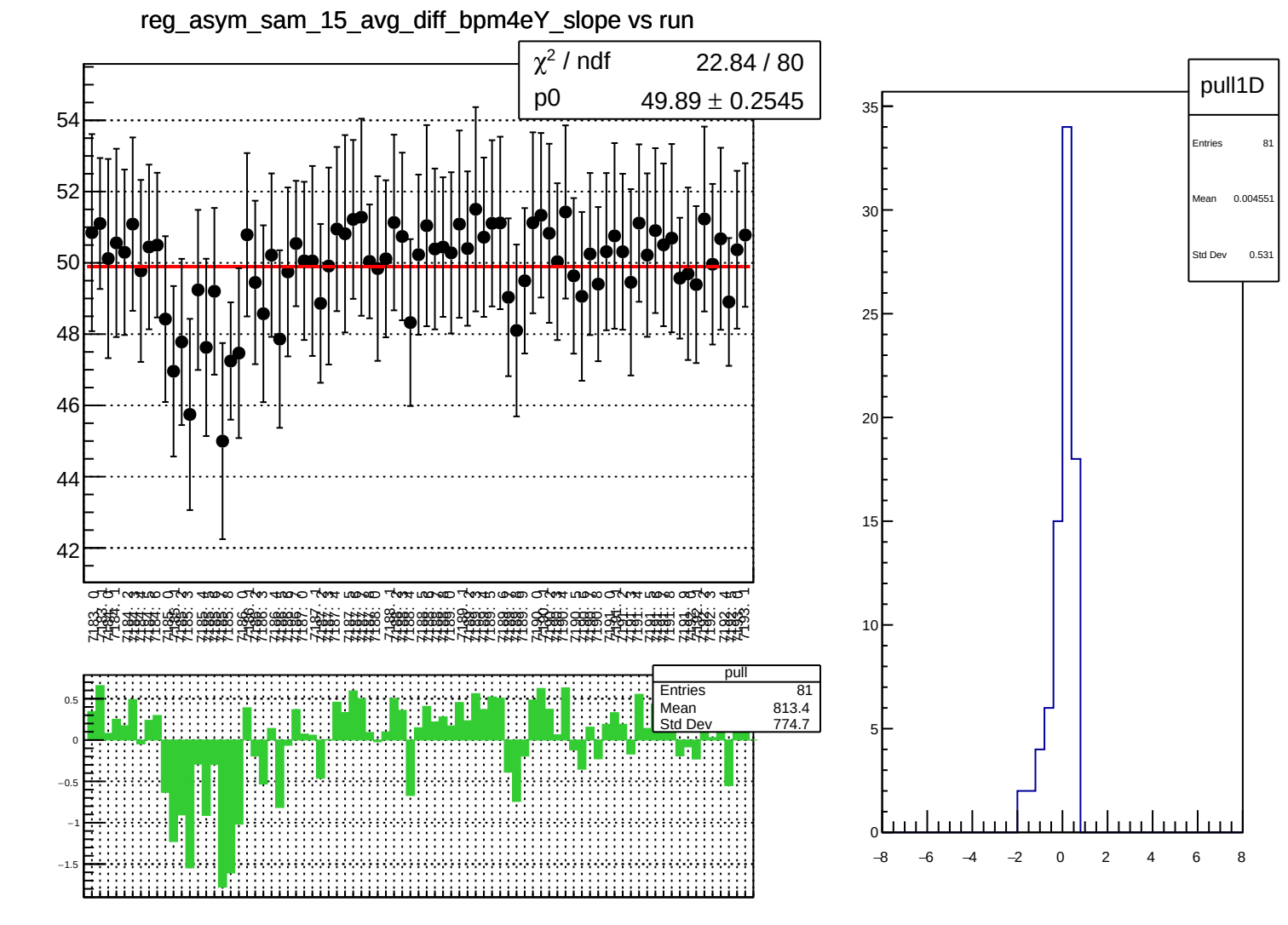

pull1D
Entries 81
Mean 0.001736
Std Dev 0.664

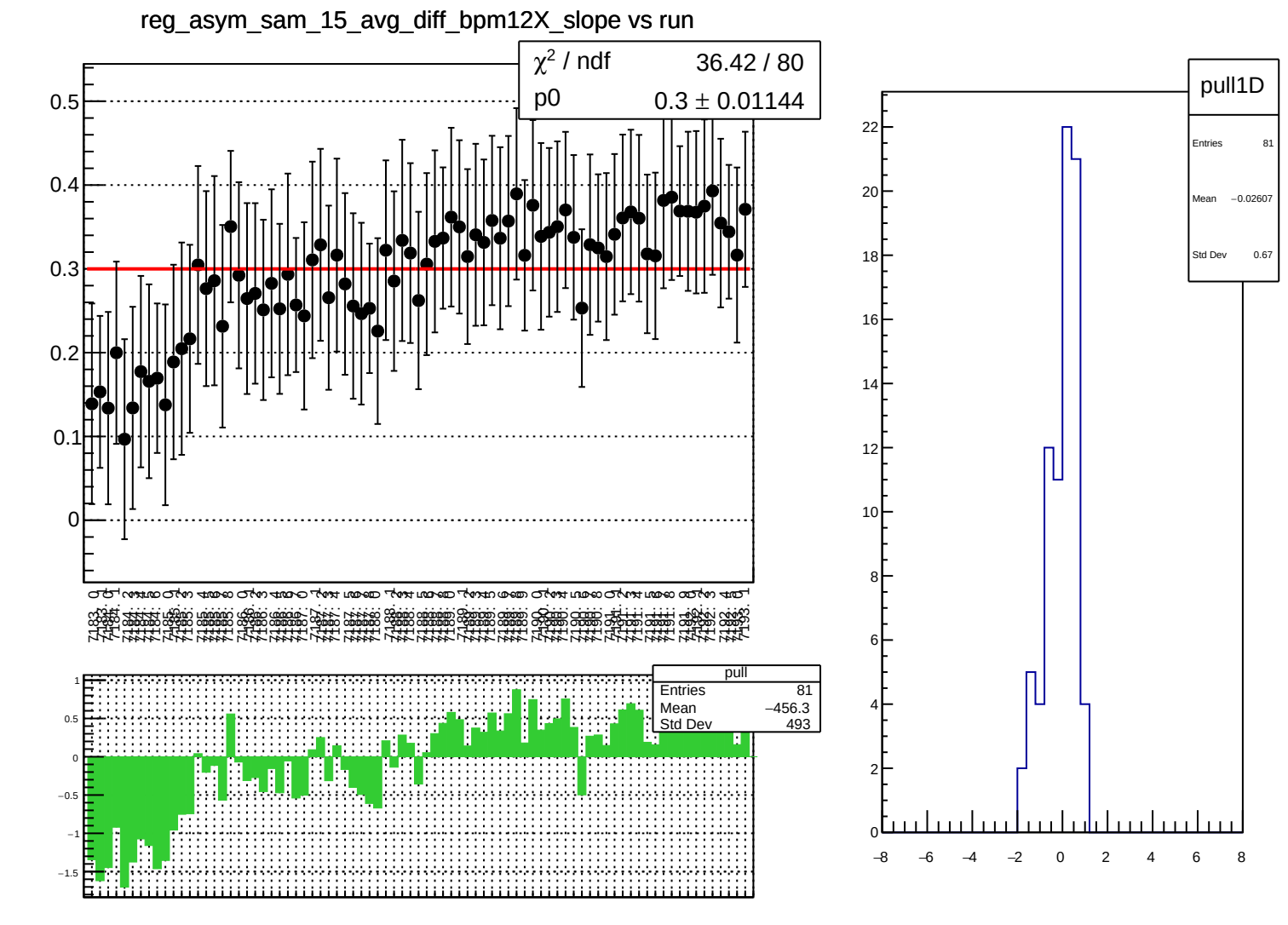

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 206.4 / 80
p0 −3.128 ± 0.3142
pull
Entries 81
Mean 474
Std Dev 431.9
pull1D
Entries 81
Mean 0.04716
Std Dev 1.596

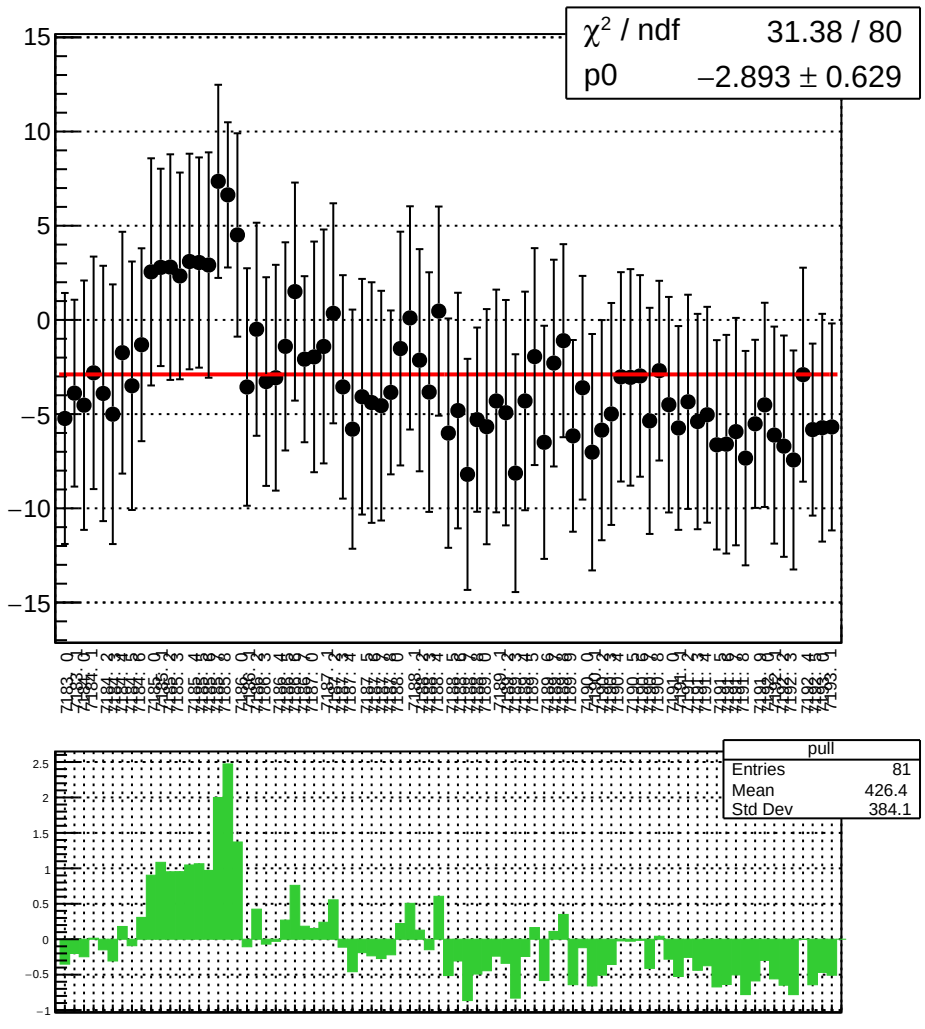

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.22 / 80
p0 −0.8855 ± 0.2342
pull
Entries 81
Mean −338.6
Std Dev 378.9
pull1D
Entries 81
Mean 0.01469
Std Dev 0.7387

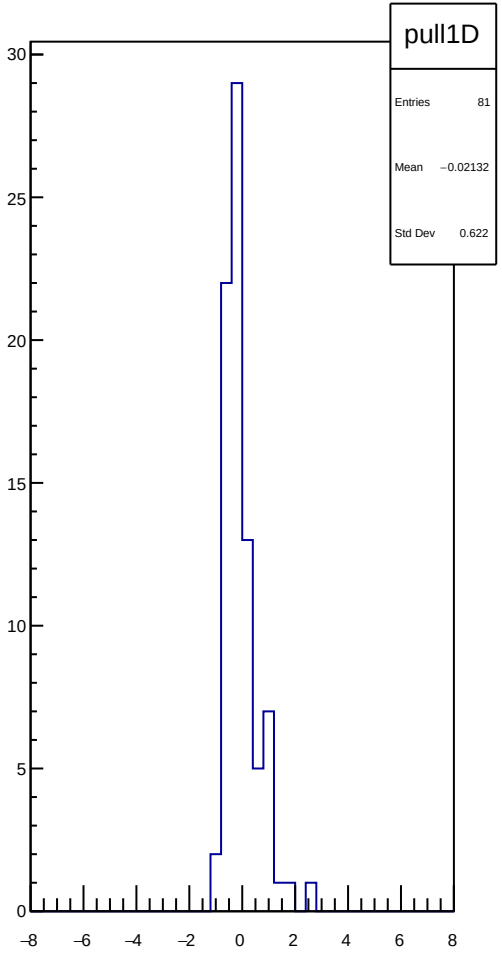

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 204 / 80
p0 −3.795 ± 0.3147
pull
Entries 81
Mean 438.3
Std Dev 396.3

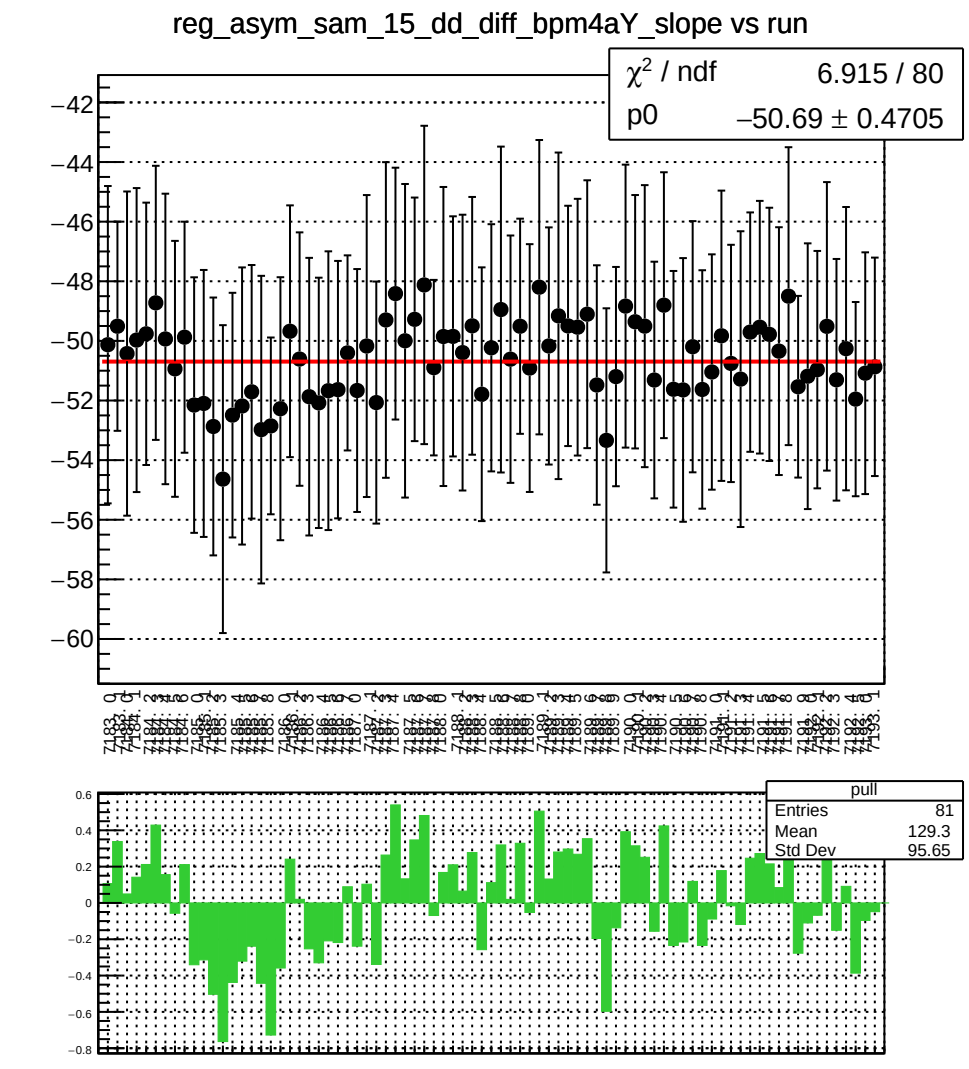

pull1D
Entries 81
Mean −0.05085
Std Dev 1.586

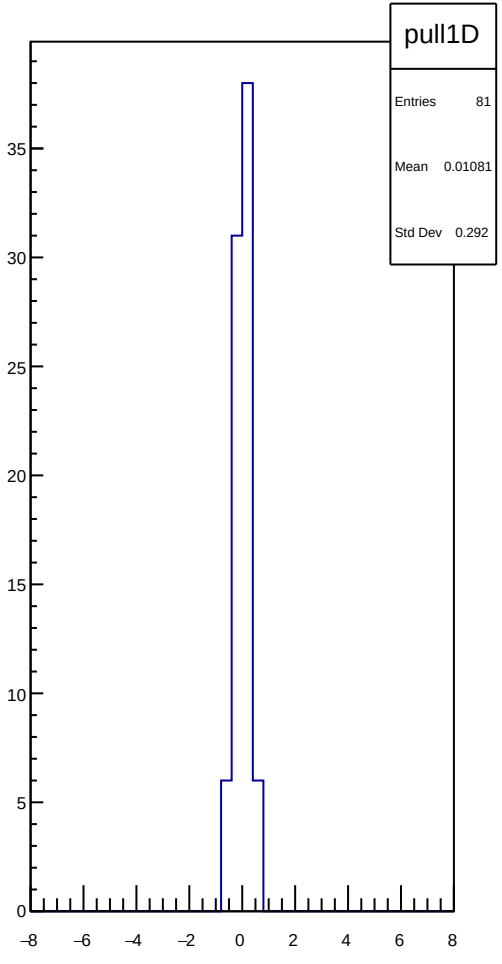

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.84 / 80
p0 49.89 ± 0.2545
pull
Entries 81
Mean 813.4
Std Dev 774.7
pull1D
Entries 81
Mean 0.004551
Std Dev 0.531

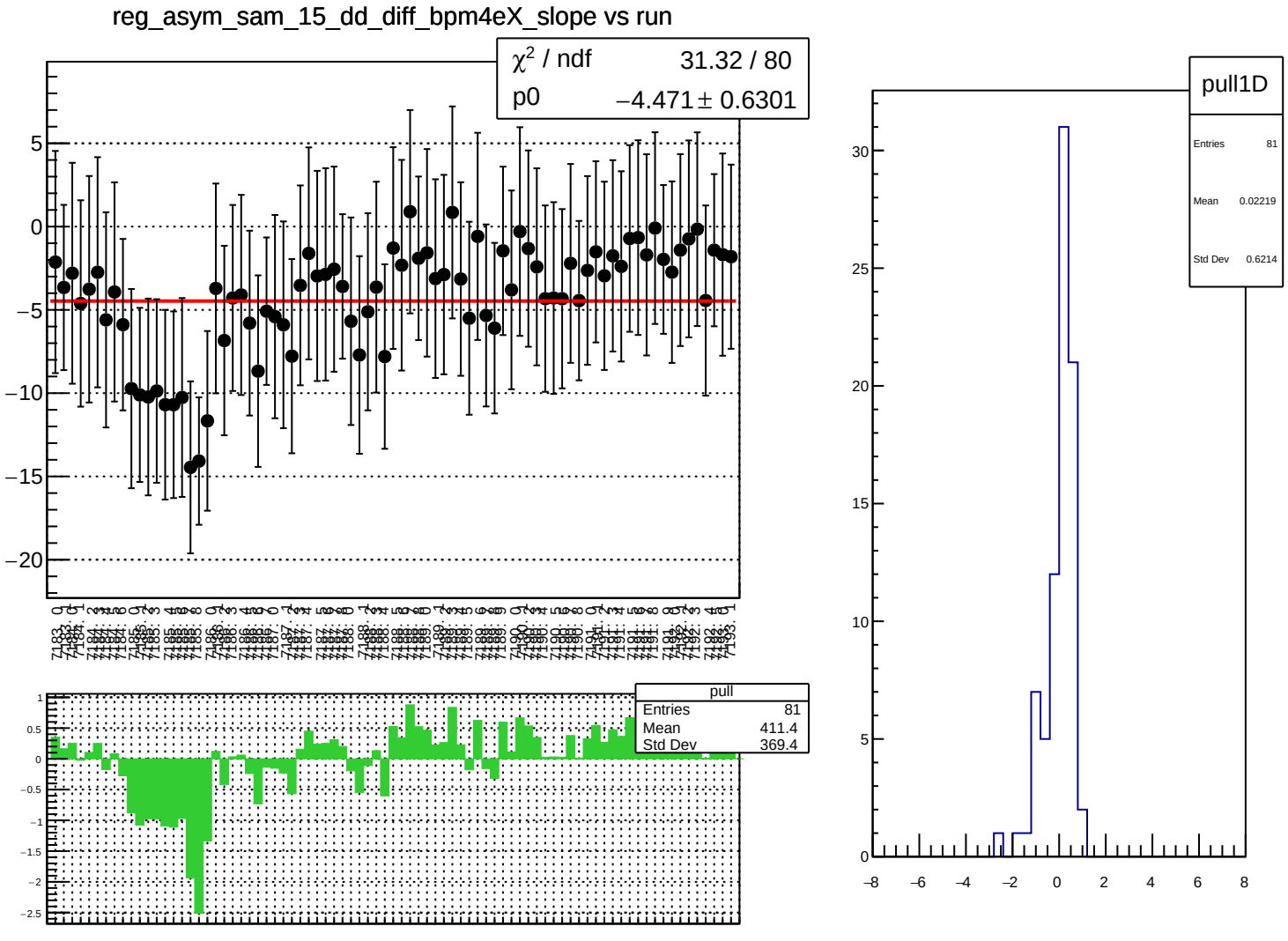

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 36.42 / 80
p0 0.3 ± 0.01144
pull
Entries 81
Mean −456.3
Std Dev 493
pull1D
Entries 81
Mean −0.02607
Std Dev 0.67

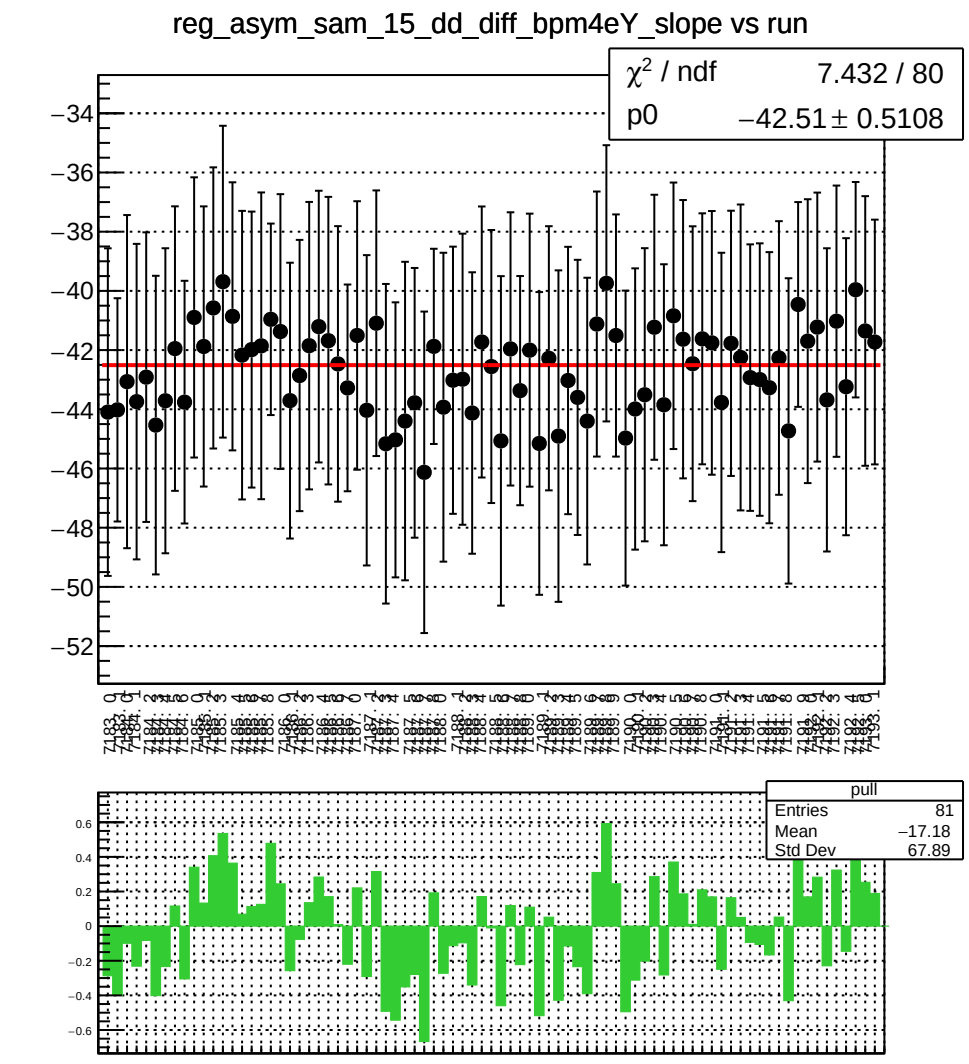

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 31.38 / 80
p0 −2.893 ± 0.629
pull
Entries 81
Mean 426.4
Std Dev 384.1

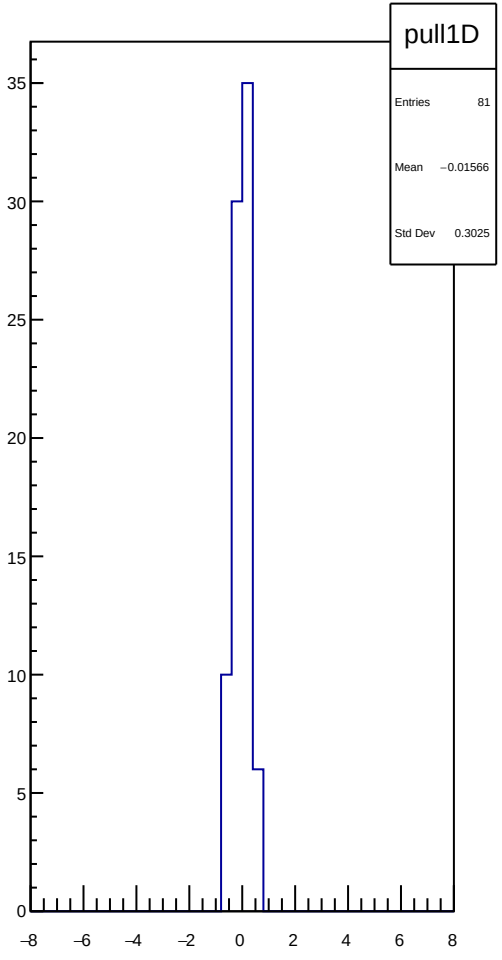

pull1D
Entries 81
Mean −0.02132
Std Dev 0.622

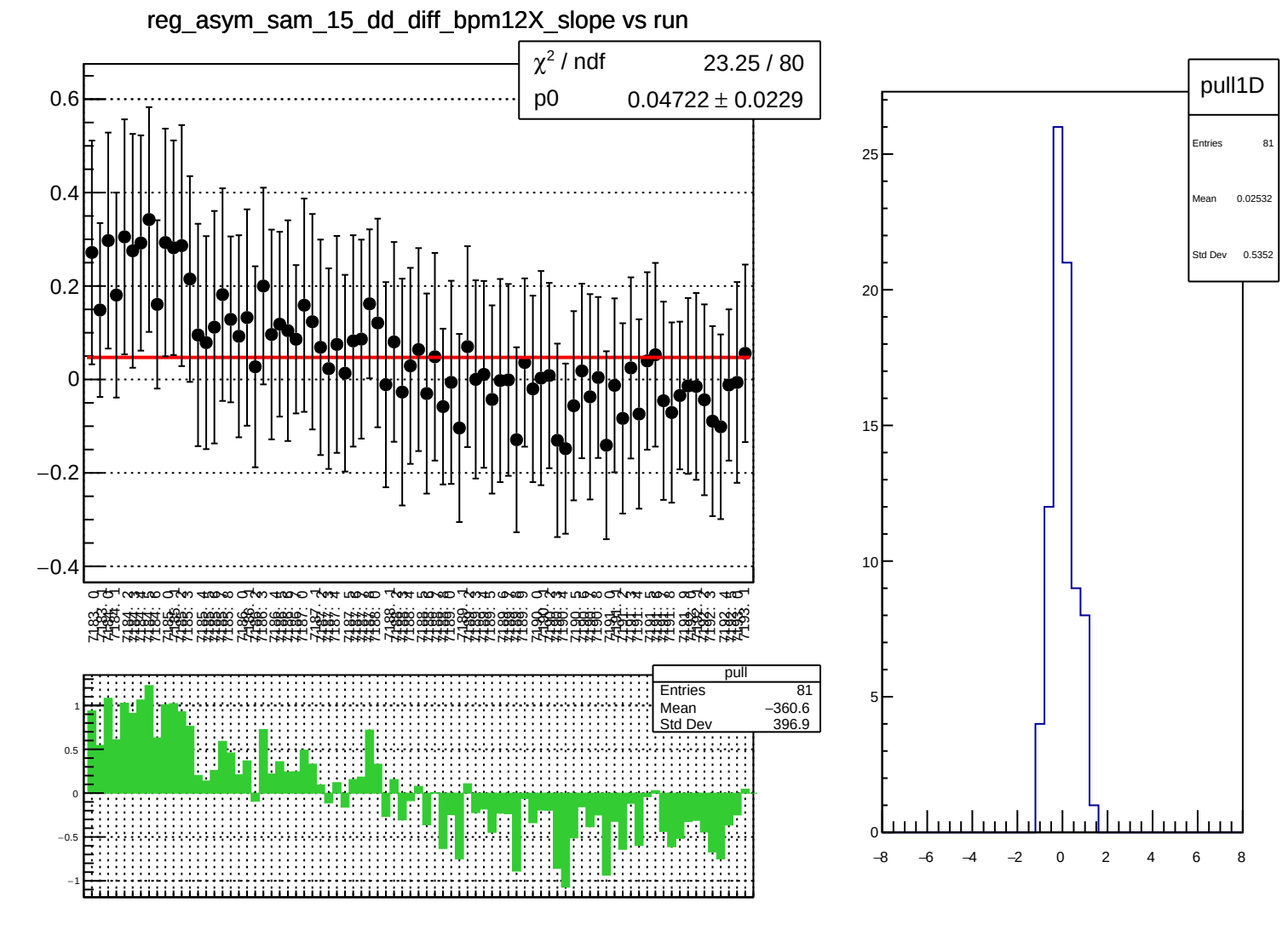

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.915 / 80
p0 −50.69 ± 0.4705
pull
Entries 81
Mean 129.3
Std Dev 95.65

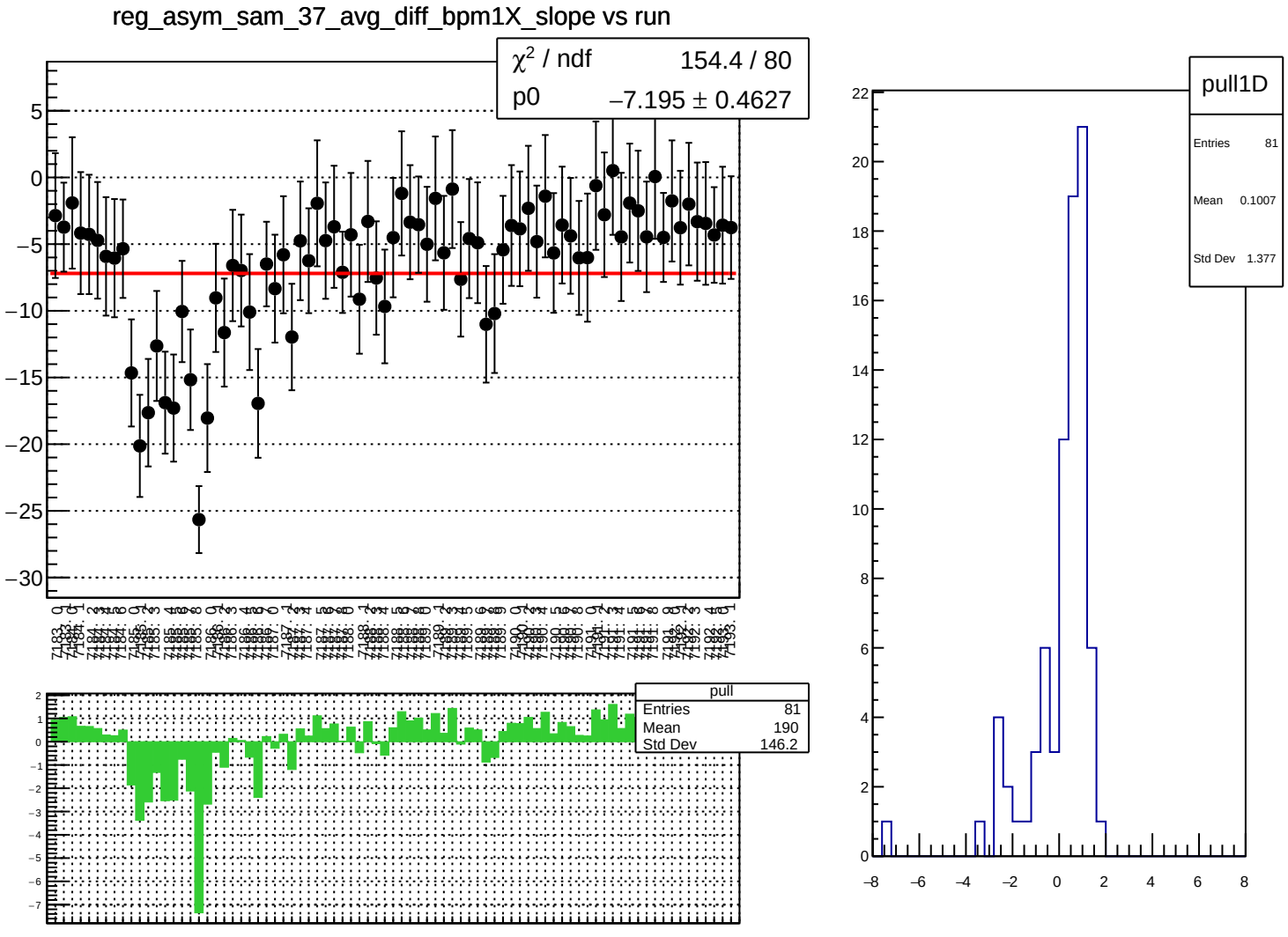

pull1D
Entries 81
Mean 0.01081
Std Dev 0.292

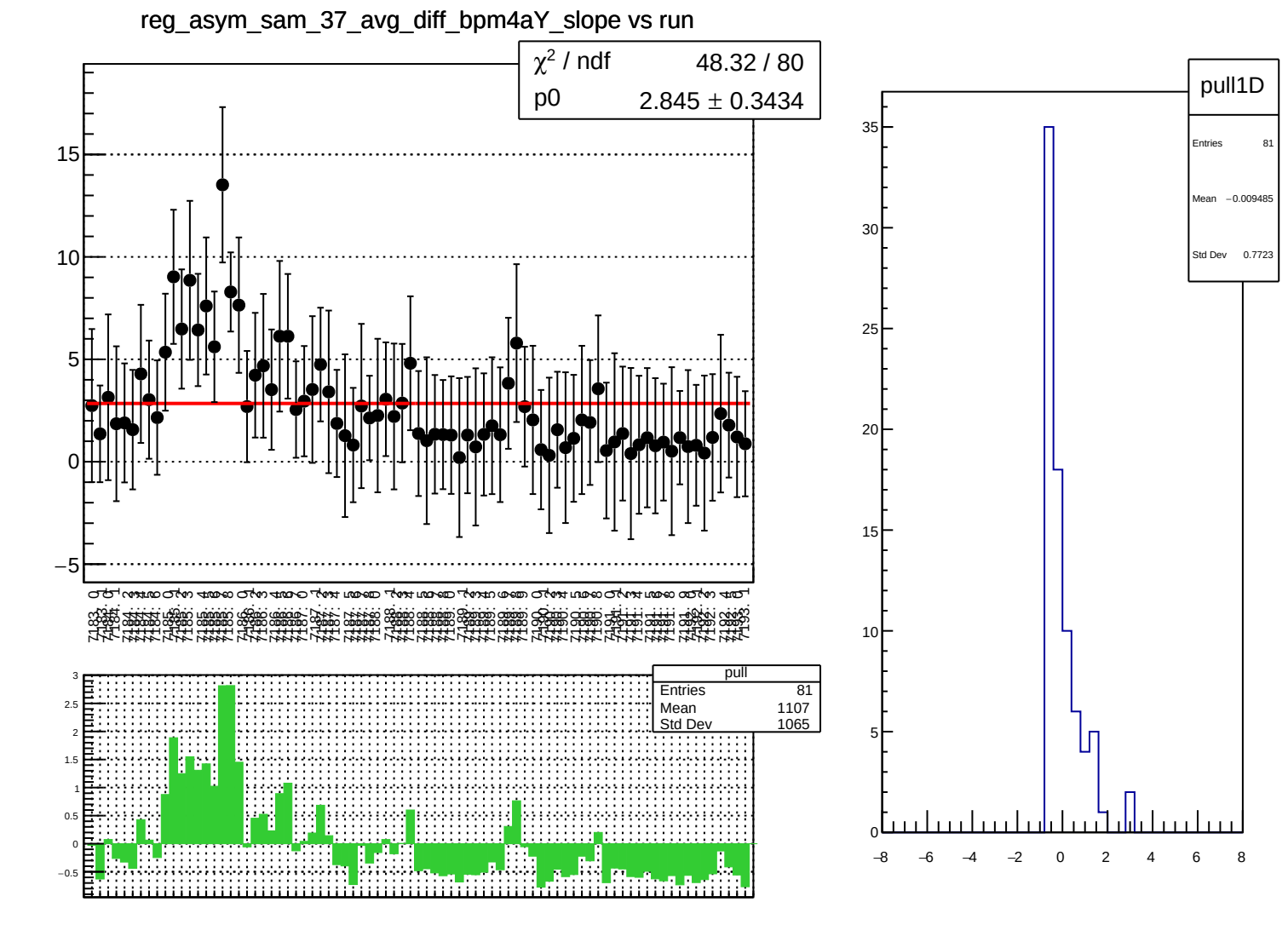

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.32 / 80
p0 −4.471 ± 0.6301
pull
Entries 81
Mean 411.4
Std Dev 369.4
pull1D
Entries 81
Mean 0.02219
Std Dev 0.6214

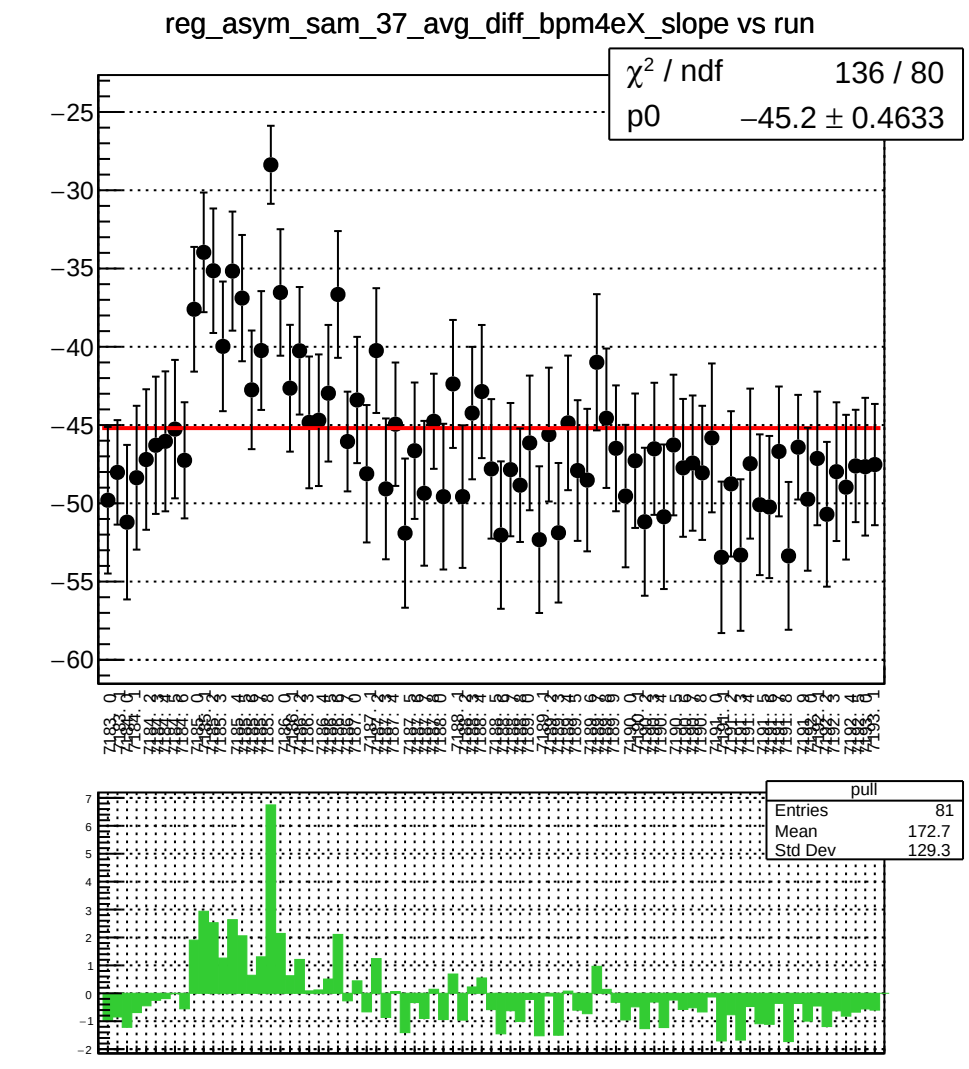

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.432 / 80
p0 −42.51 ± 0.5108
pull
Entries 81
Mean −17.18
Std Dev 67.89

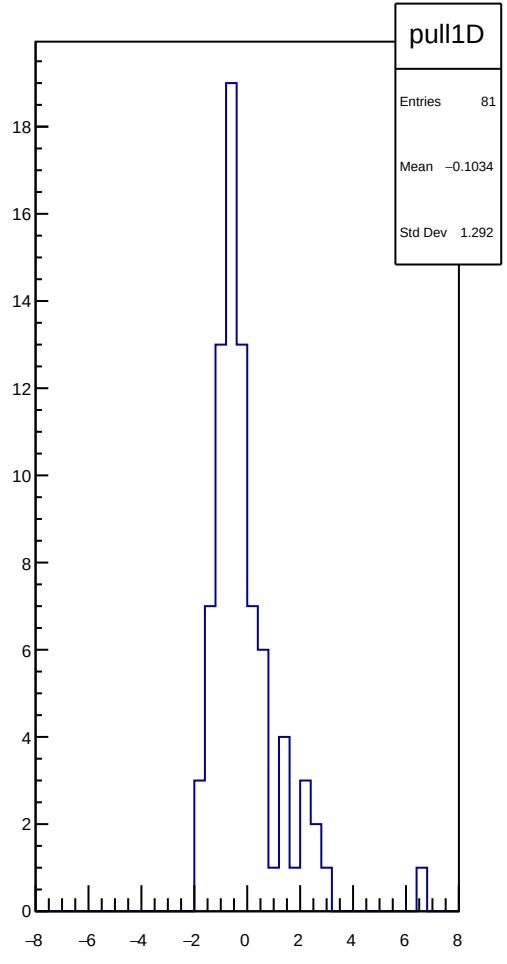

pull1D
Entries 81
Mean −0.01566
Std Dev 0.3025

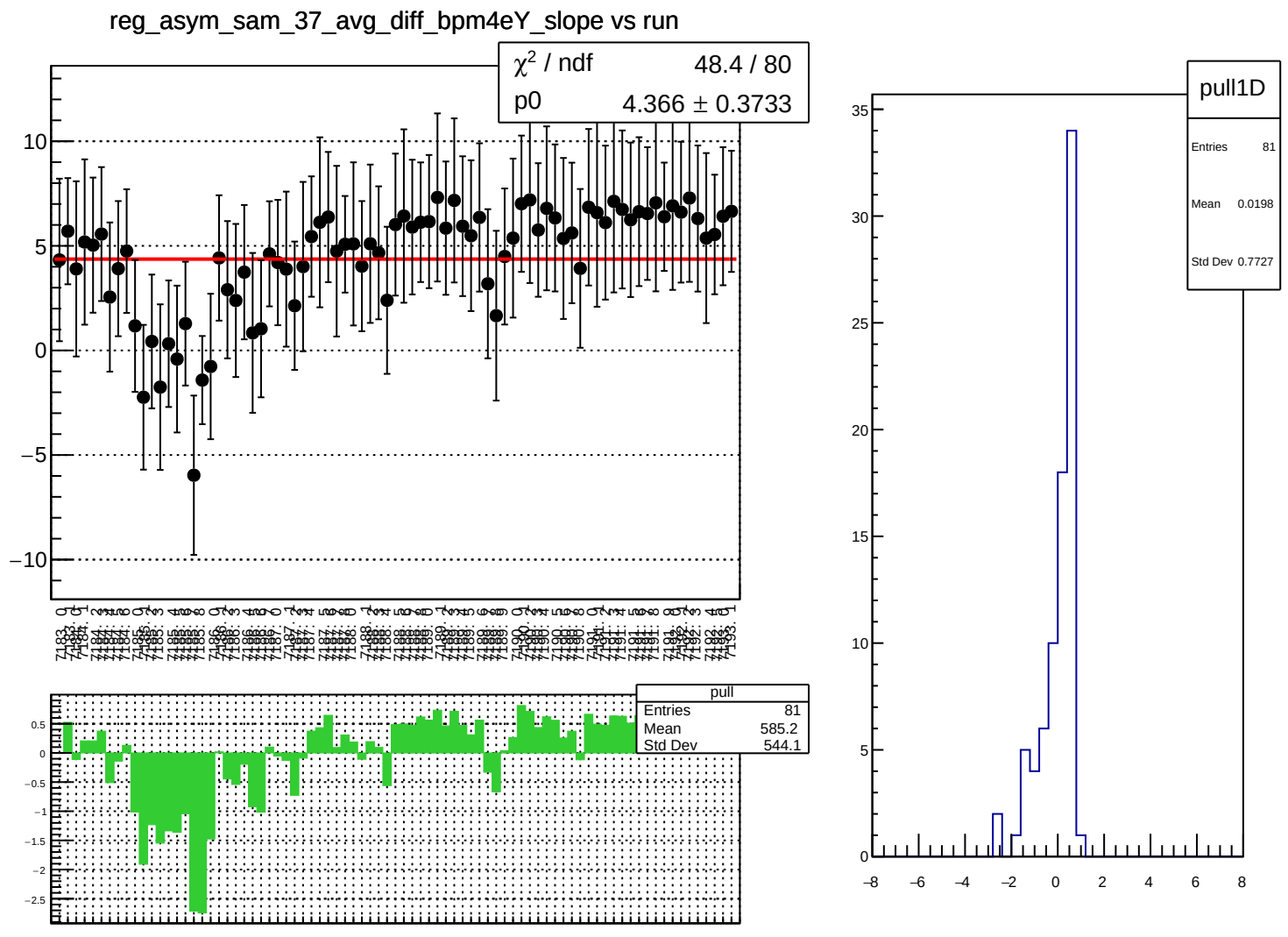

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 23.25 / 80
p0 0.04722 ± 0.0229
pull
Entries 81
Mean −360.6
Std Dev 396.9
pull1D
Entries 81
Mean 0.02532
Std Dev 0.5352

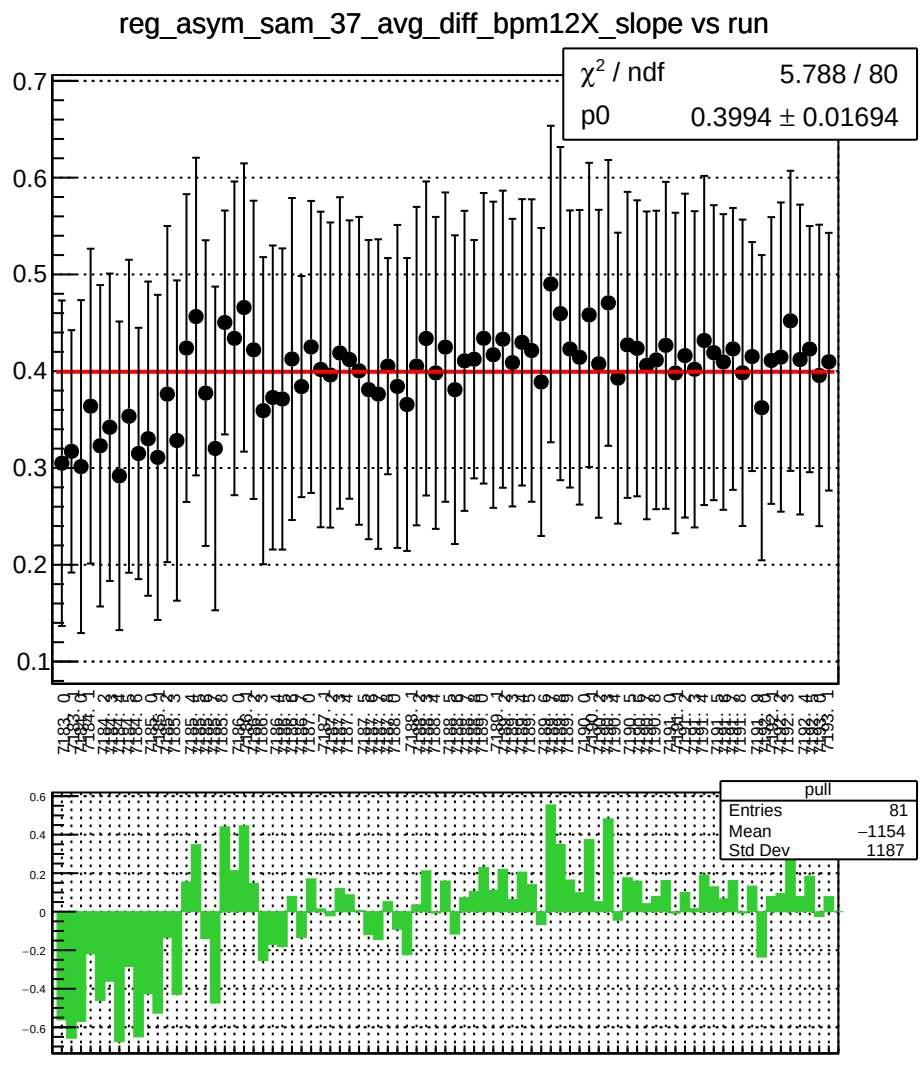

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 154.4 / 80
p0 −7.195 ± 0.4627
pull
Entries 81
Mean 190
Std Dev 146.2
pull1D
Entries 81
Mean 0.1007
Std Dev 1.377

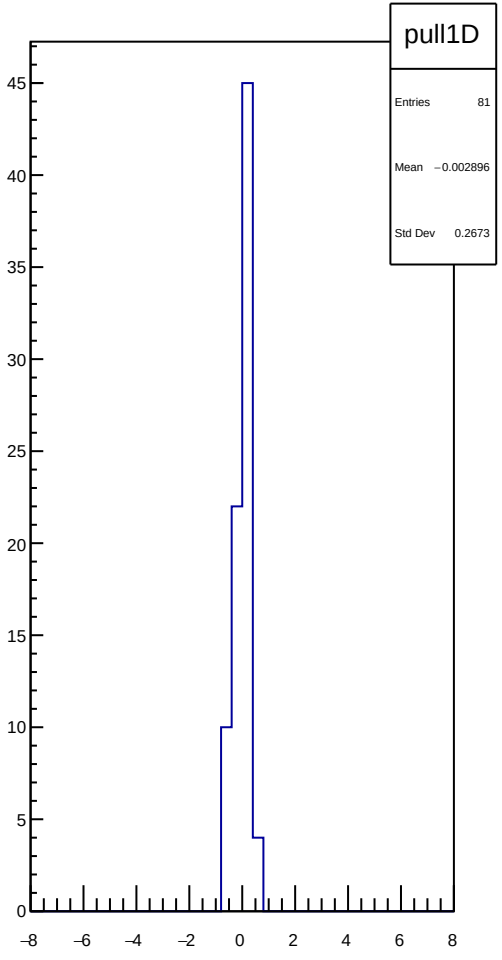

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.32 / 80
p0 2.845 ± 0.3434
pull
Entries 81
Mean 1107
Std Dev 1065
pull1D
Entries 81
Mean −0.009485
Std Dev 0.7723

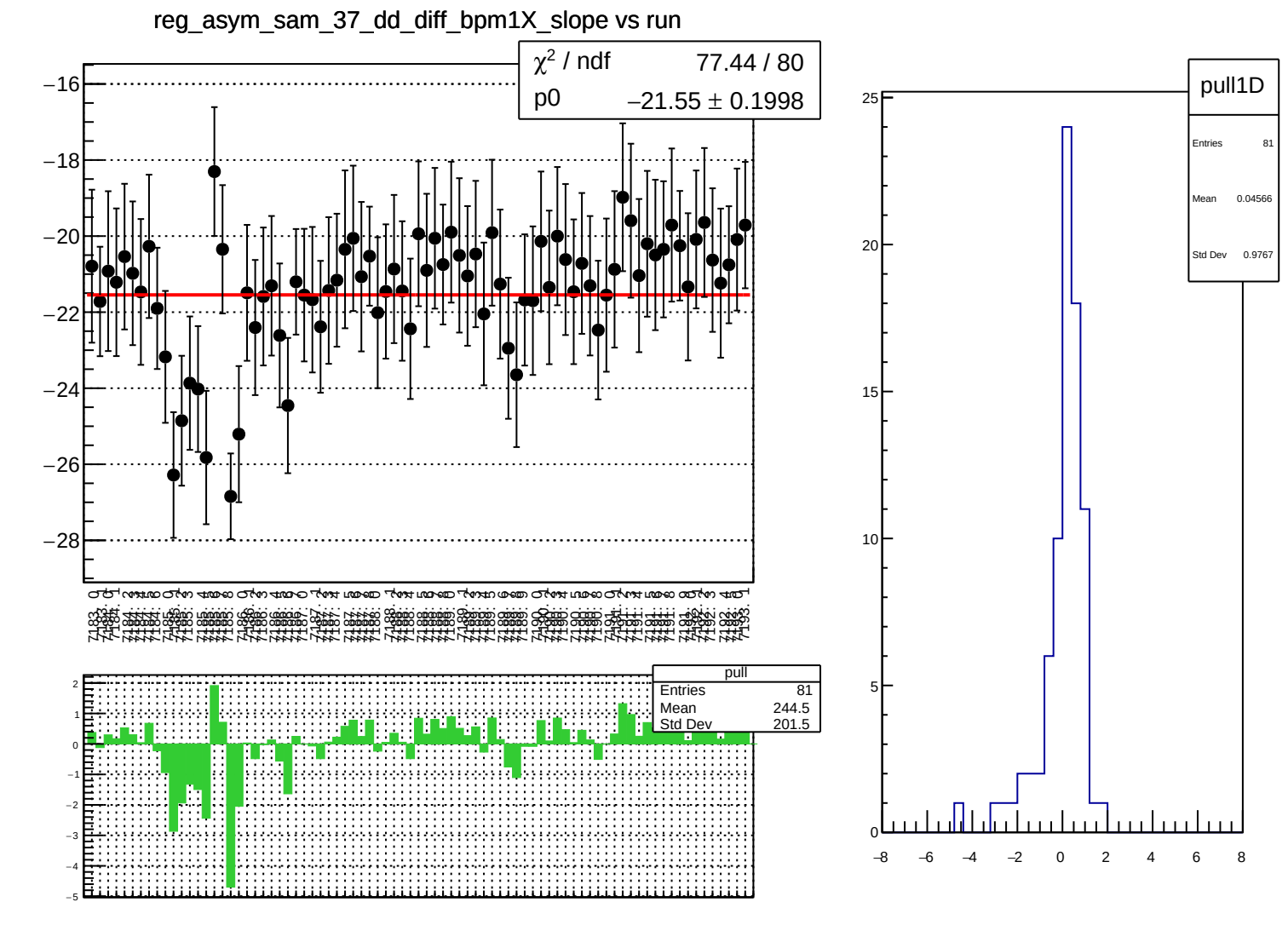

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 136 / 80
p0 −45.2 ± 0.4633
pull
Entries 81
Mean 172.7
Std Dev 129.3

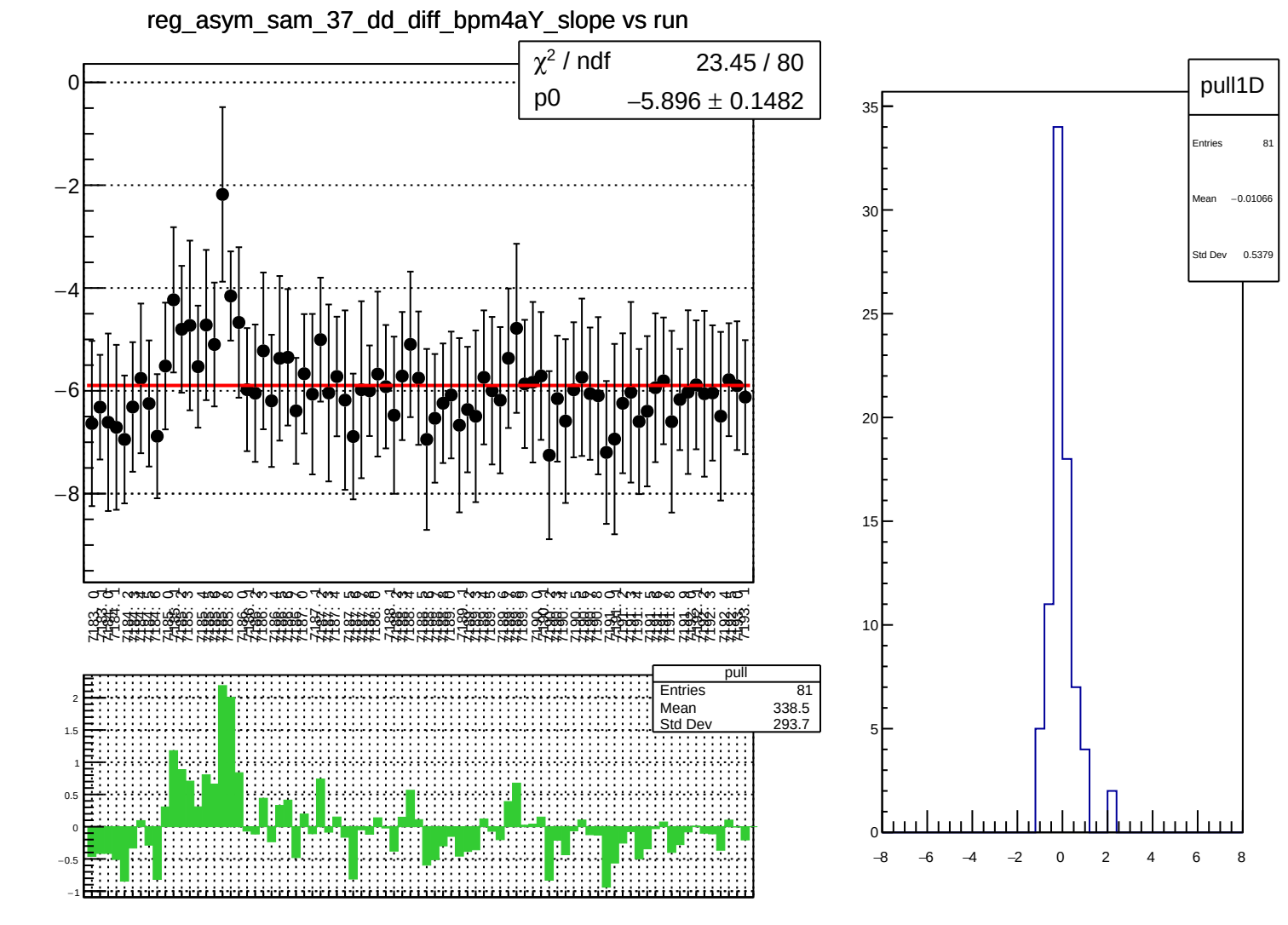

pull1D
Entries 81
Mean −0.1034
Std Dev 1.292

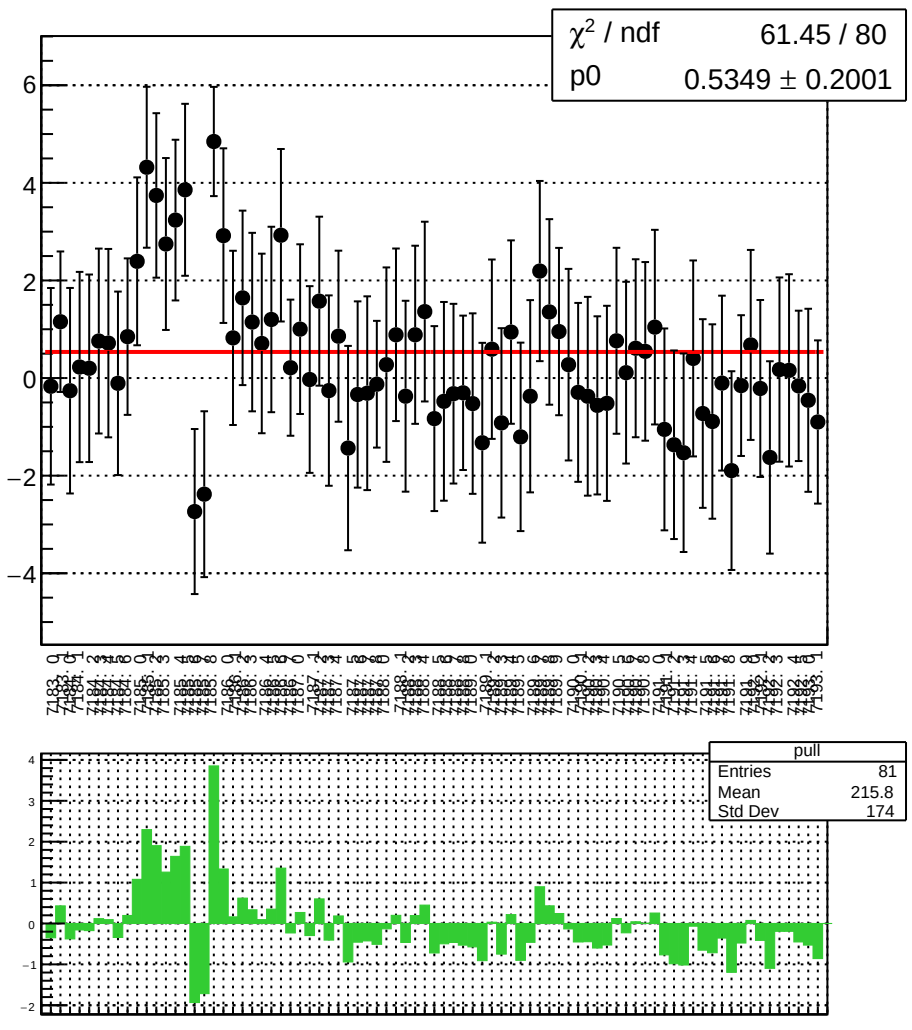

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.4 / 80
p0 4.366 ± 0.3733
pull
Entries 81
Mean 585.2
Std Dev 544.1
pull1D
Entries 81
Mean 0.0198
Std Dev 0.7727

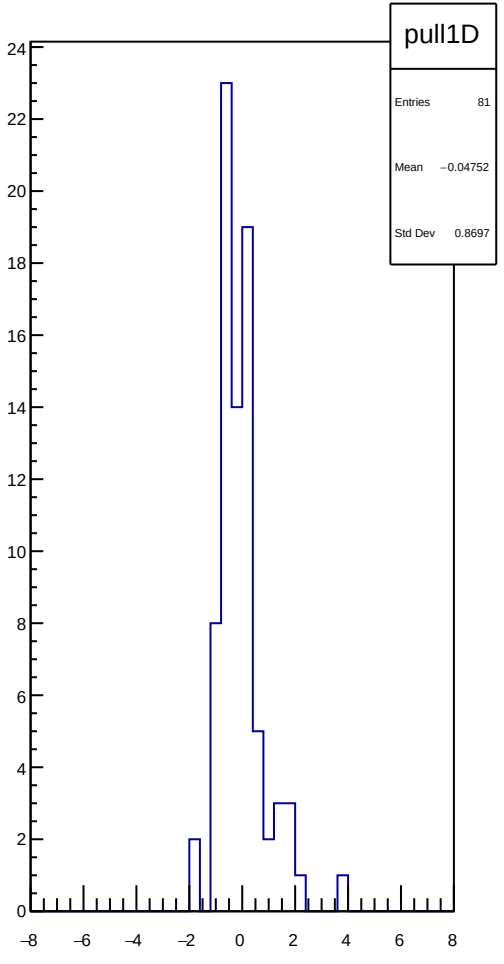

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 5.788 / 80
p0 0.3994 ± 0.01694
pull
Entries 81
Mean −1154
Std Dev 1187

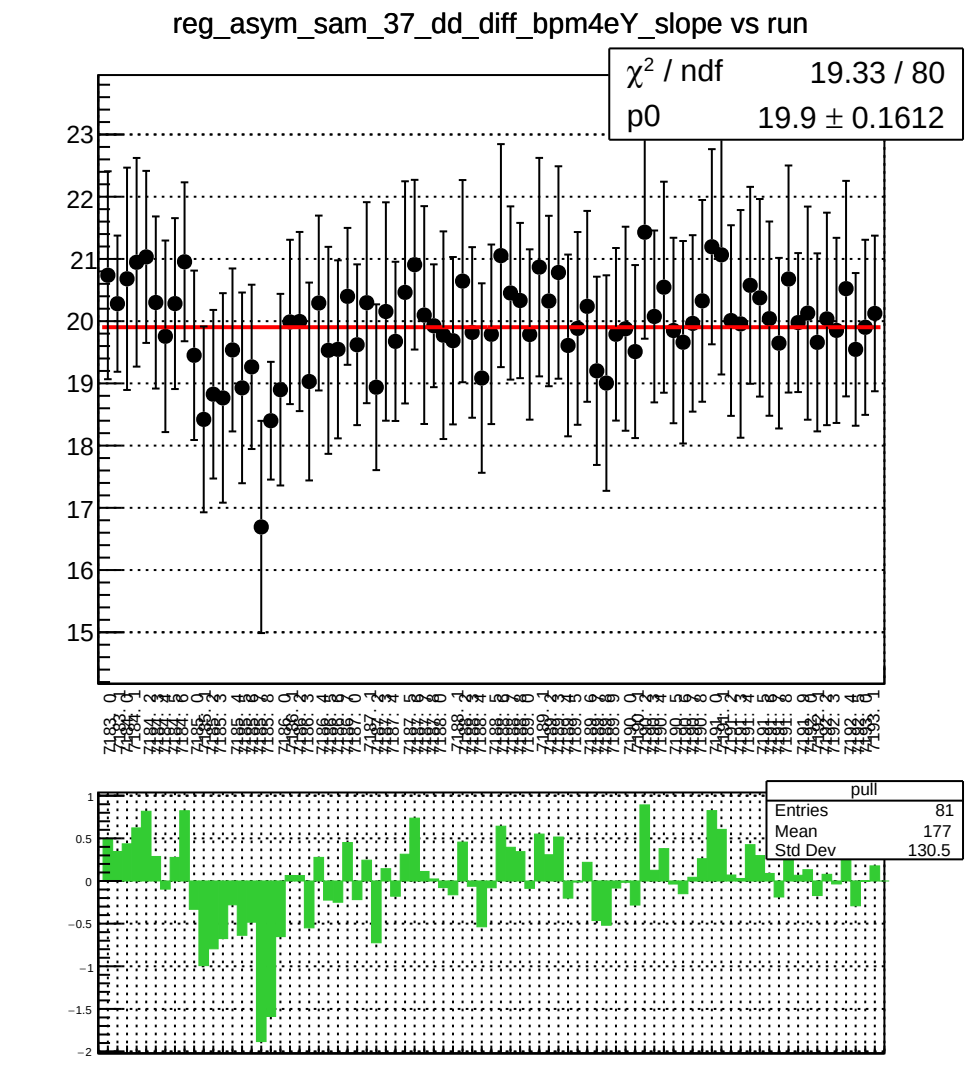

pull1D
Entries 81
Mean −0.002896
Std Dev 0.2673

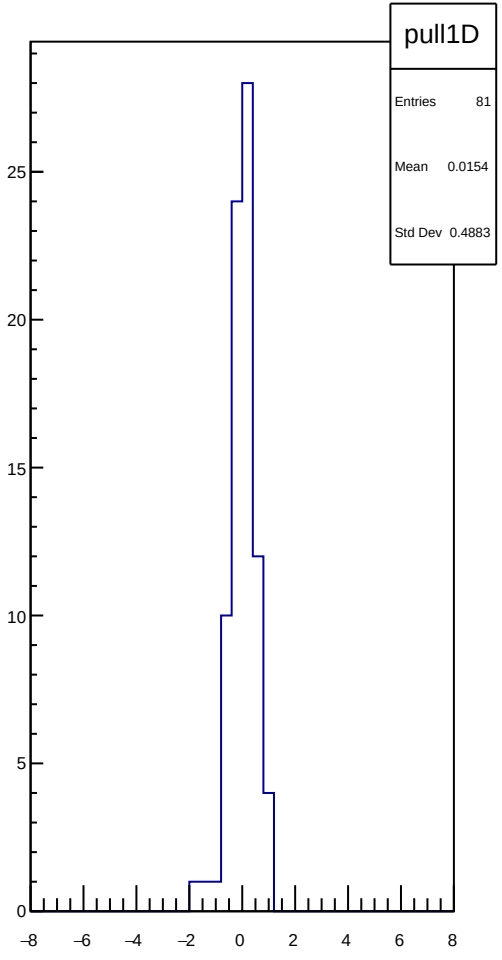

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 77.44 / 80
p0 −21.55 ± 0.1998
pull
Entries 81
Mean 244.5
Std Dev 201.5
pull1D
Entries 81
Mean 0.04566
Std Dev 0.9767

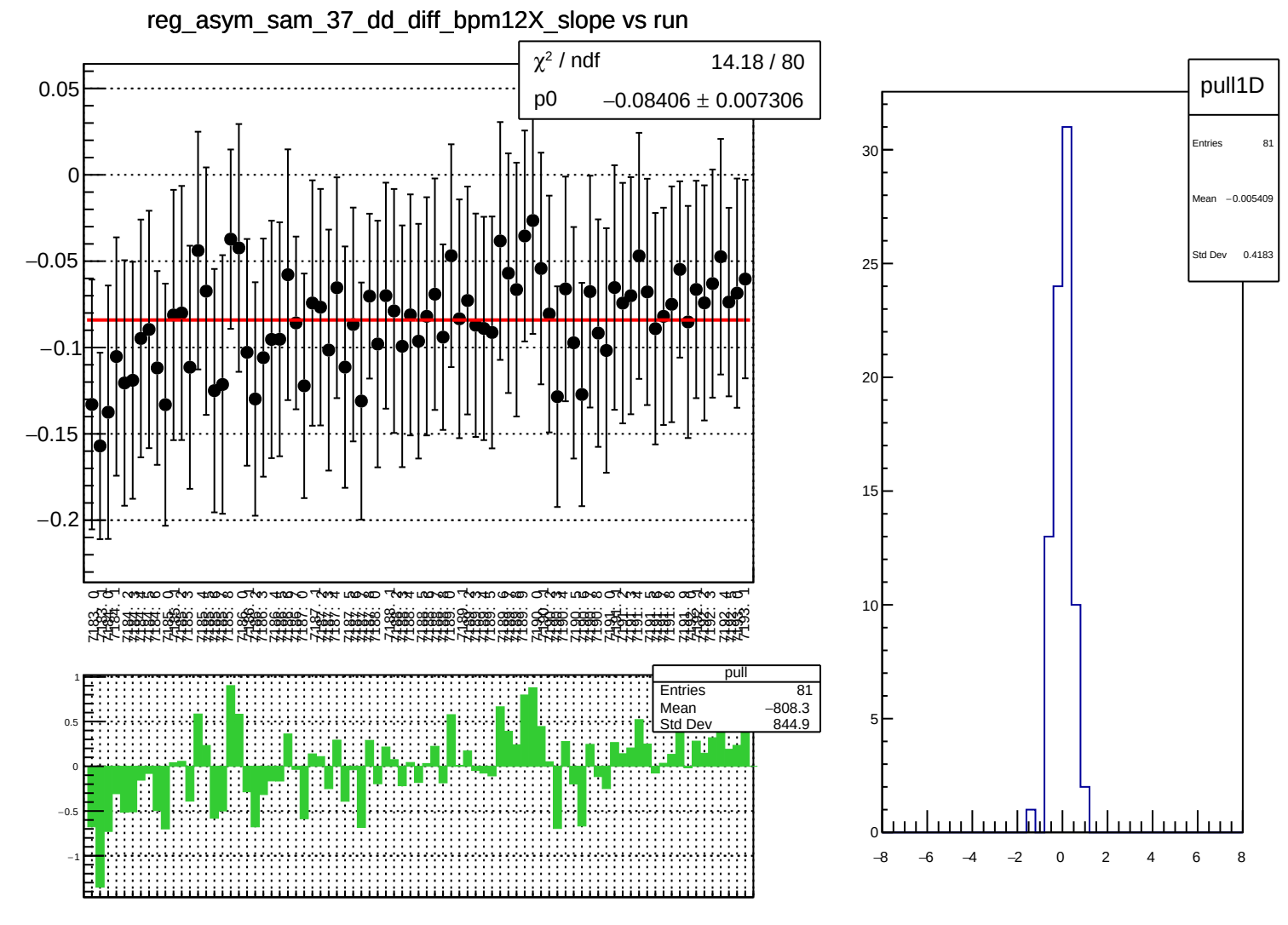

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.45 / 80
p0 −5.896 ± 0.1482
pull
Entries 81
Mean 338.5
Std Dev 293.7
pull1D
Entries 81
Mean −0.01066
Std Dev 0.5379

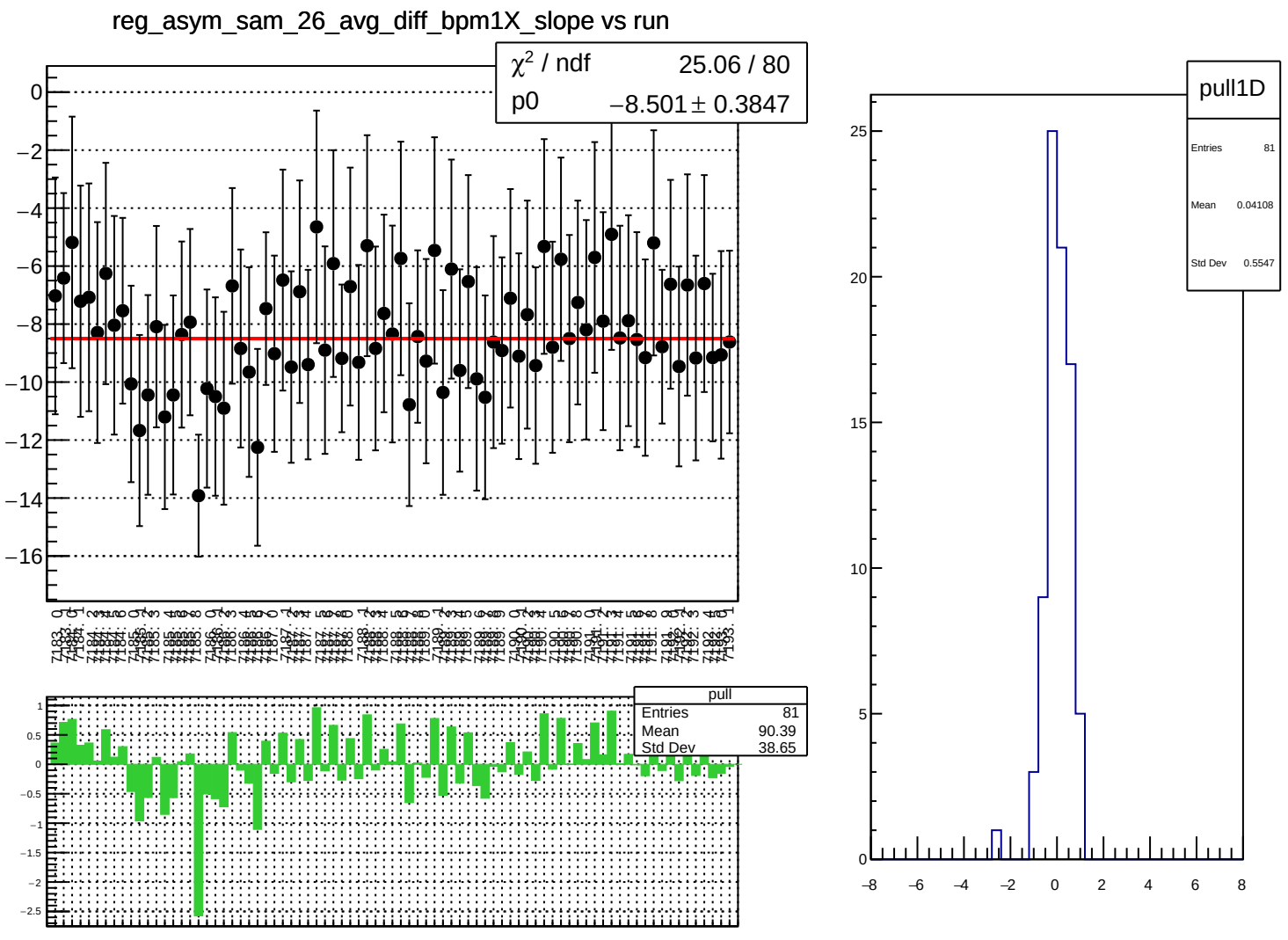

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.45 / 80
p0 0.5349 ± 0.2001
pull
Entries 81
Mean 215.8
Std Dev 174

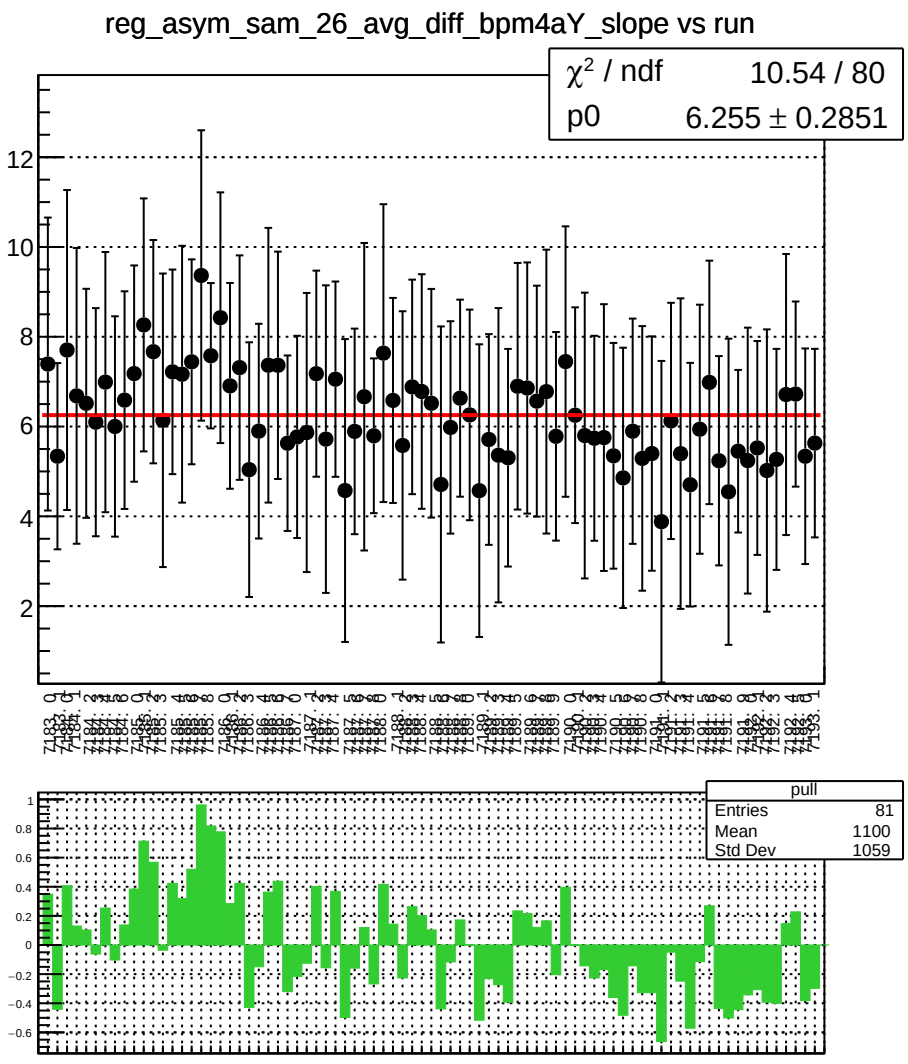

pull1D
Entries 81
Mean −0.04752
Std Dev 0.8697

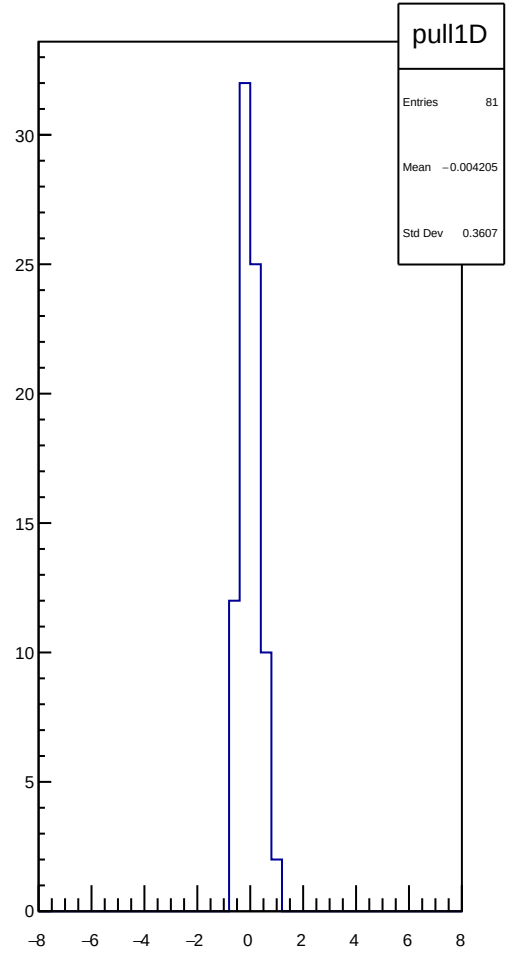

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.33 / 80
p0 19.9 ± 0.1612
pull
Entries 81
Mean 177
Std Dev 130.5

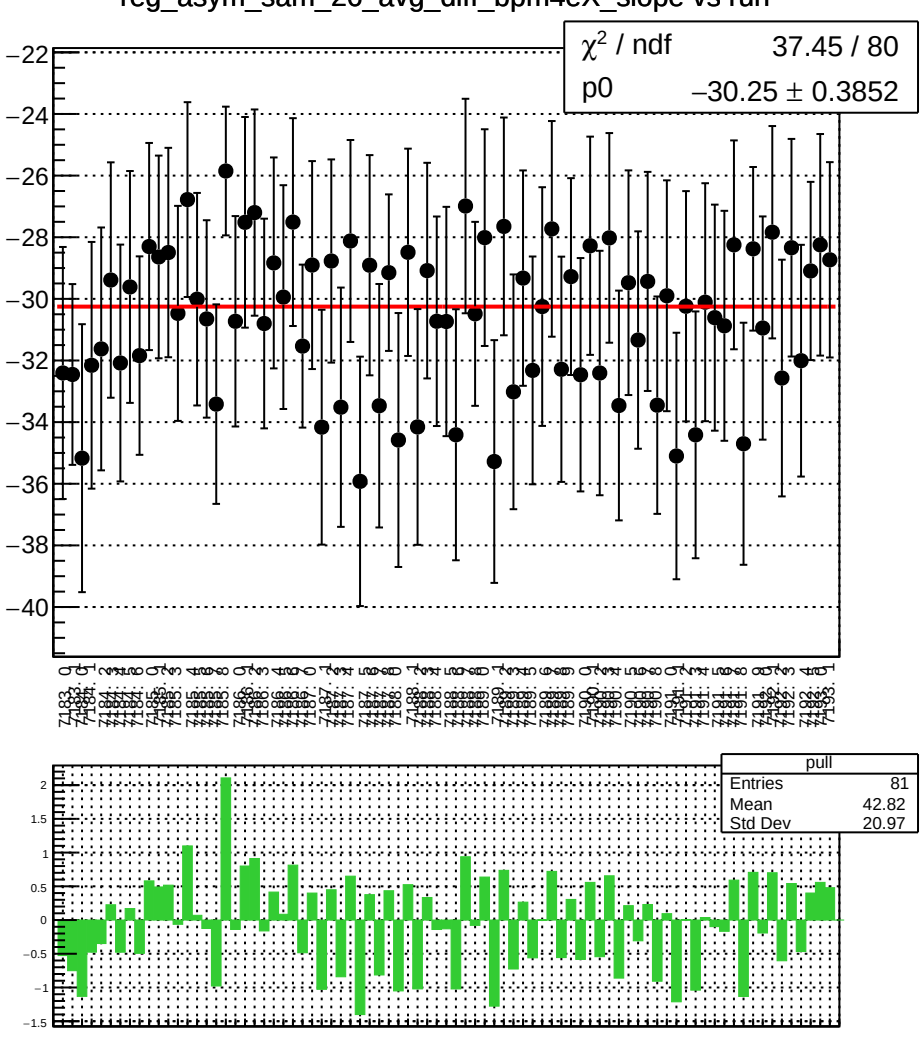

pull1D
Entries 81
Mean 0.0154
Std Dev 0.4883

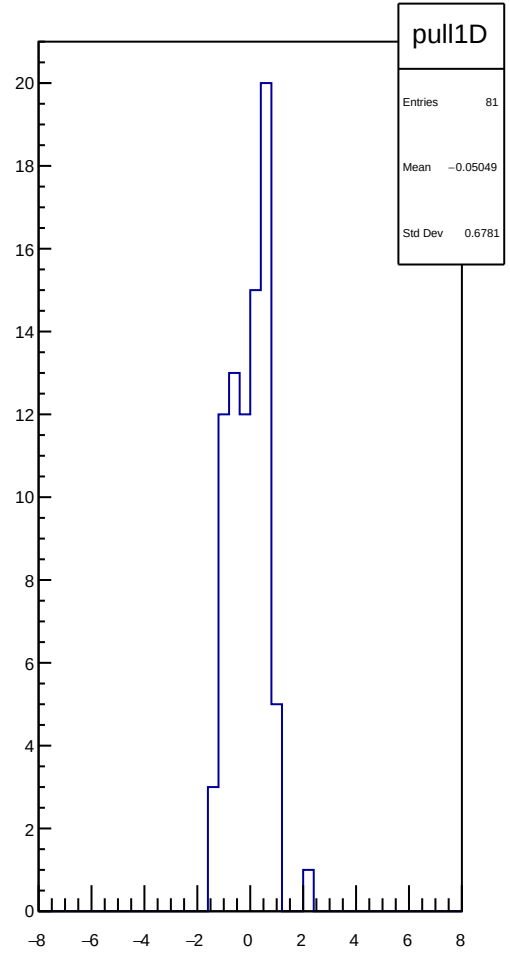

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 14.18 / 80
p0 −0.08406 ± 0.007306
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 81
Mean −808.3
Std Dev 844.9
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean −0.005409
Std Dev 0.4183
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

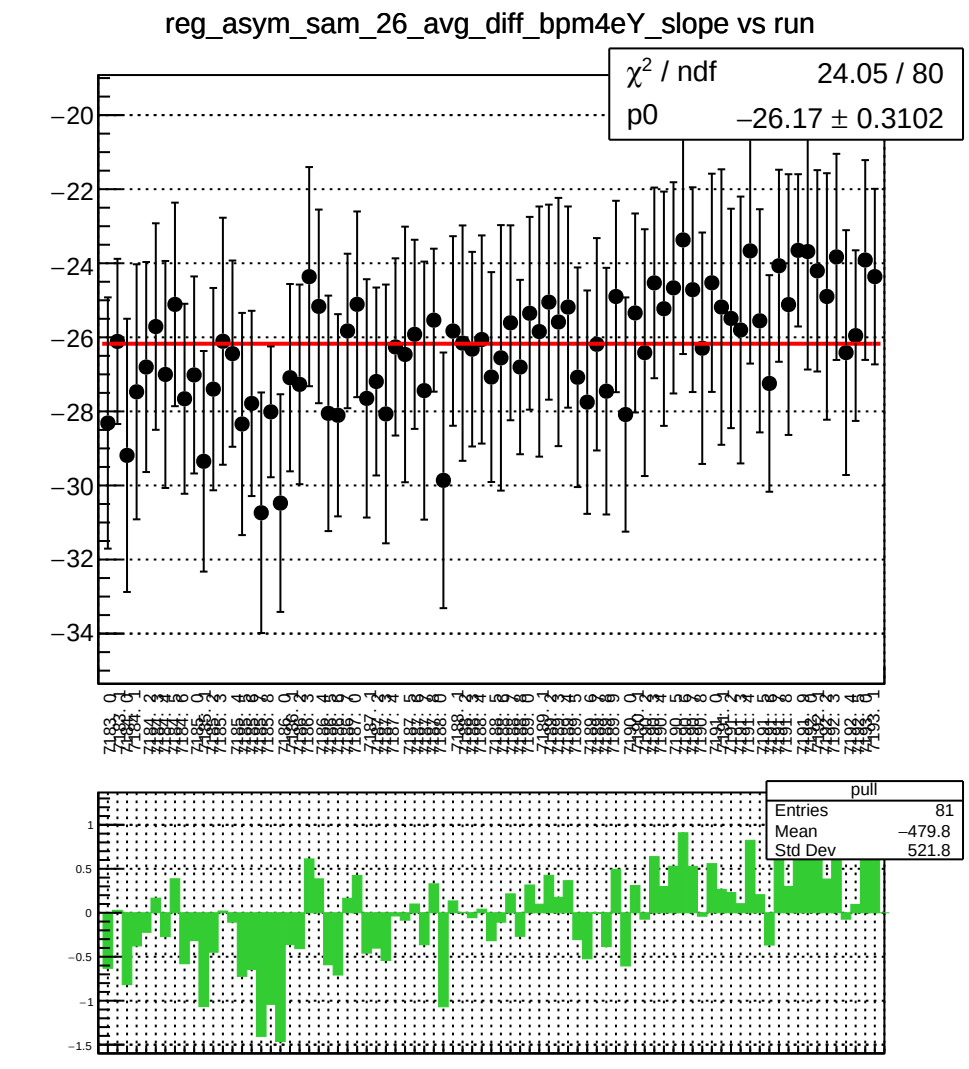

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 25.06 / 80
p0 −8.501 ± 0.3847
pull
Entries 81
Mean 90.39
Std Dev 38.65
pull1D
Entries 81
Mean 0.04108
Std Dev 0.5547

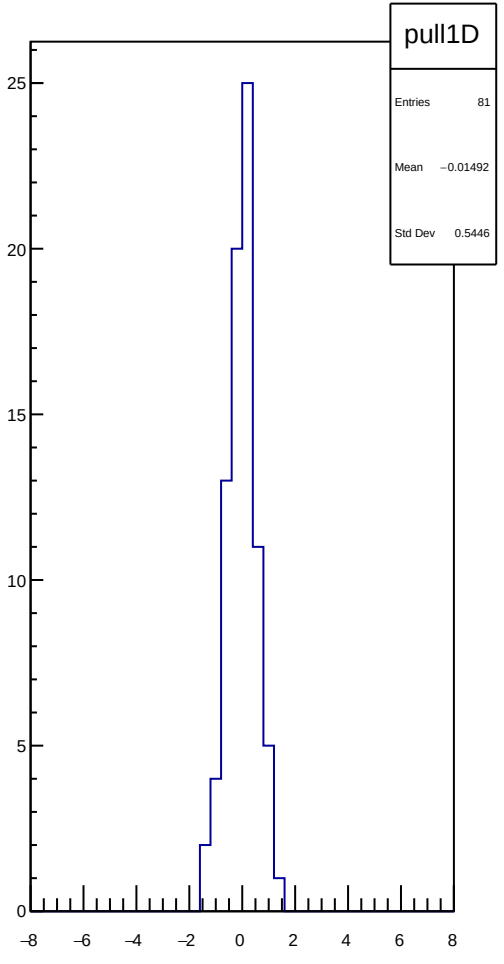

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.54 / 80
p0 6.255 ± 0.2851
pull
Entries 81
Mean 1100
Std Dev 1059

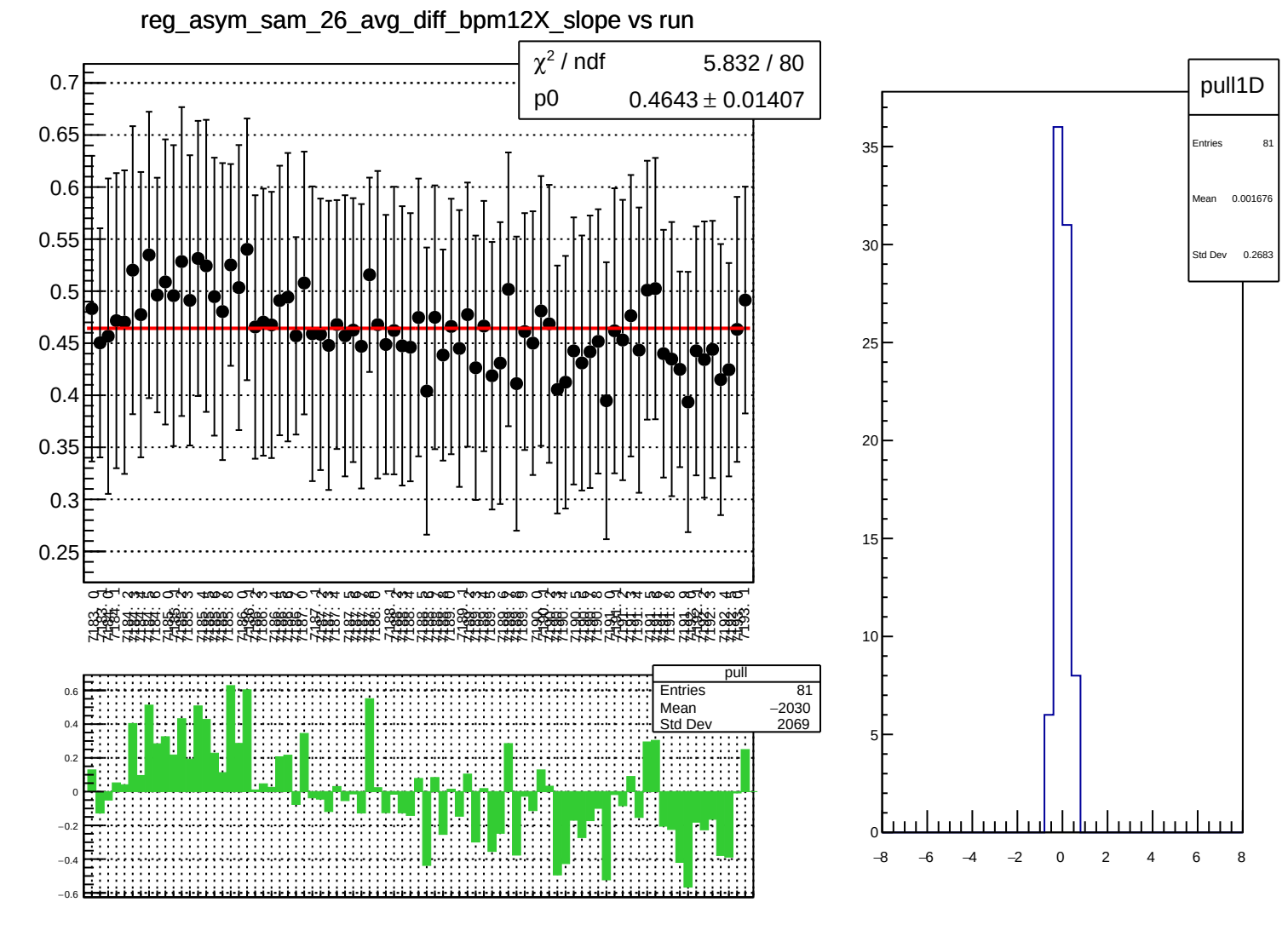

pull1D
Entries 81
Mean −0.004205
Std Dev 0.3607

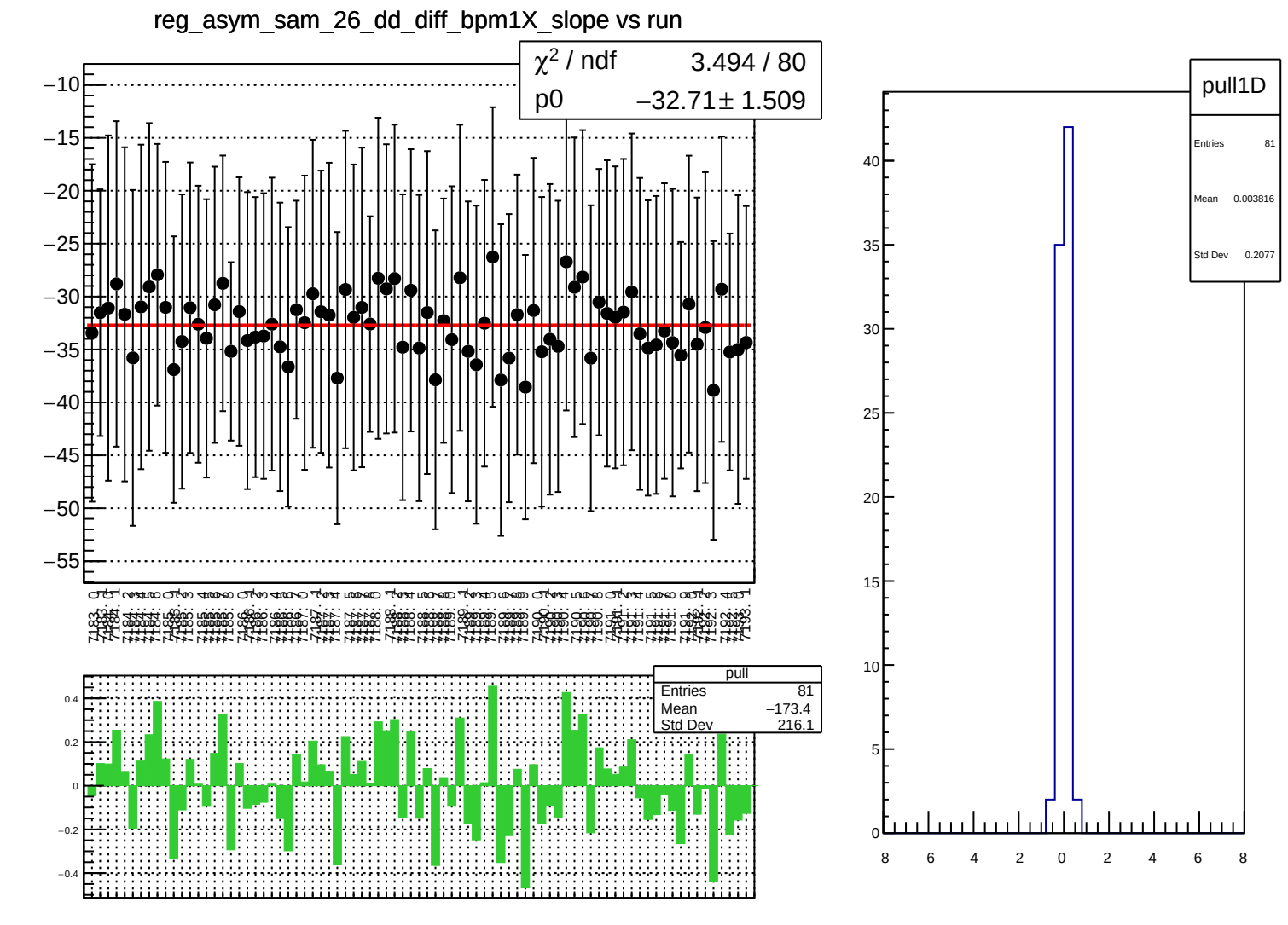

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.45 / 80
p0 −30.25 ± 0.3852
pull
Entries 81
Mean 42.82
Std Dev 20.97

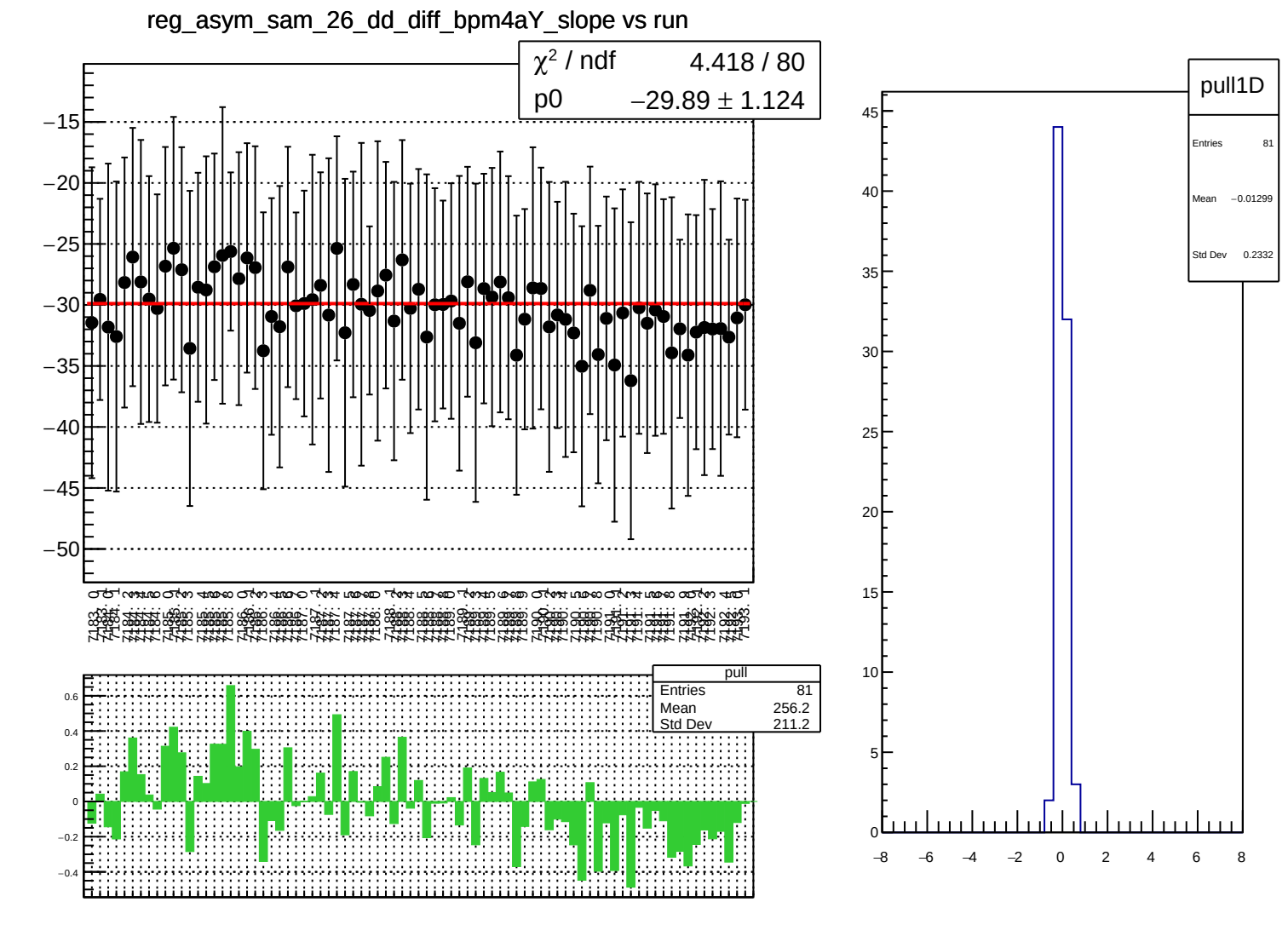

pull1D
Entries 81
Mean −0.05049
Std Dev 0.6781

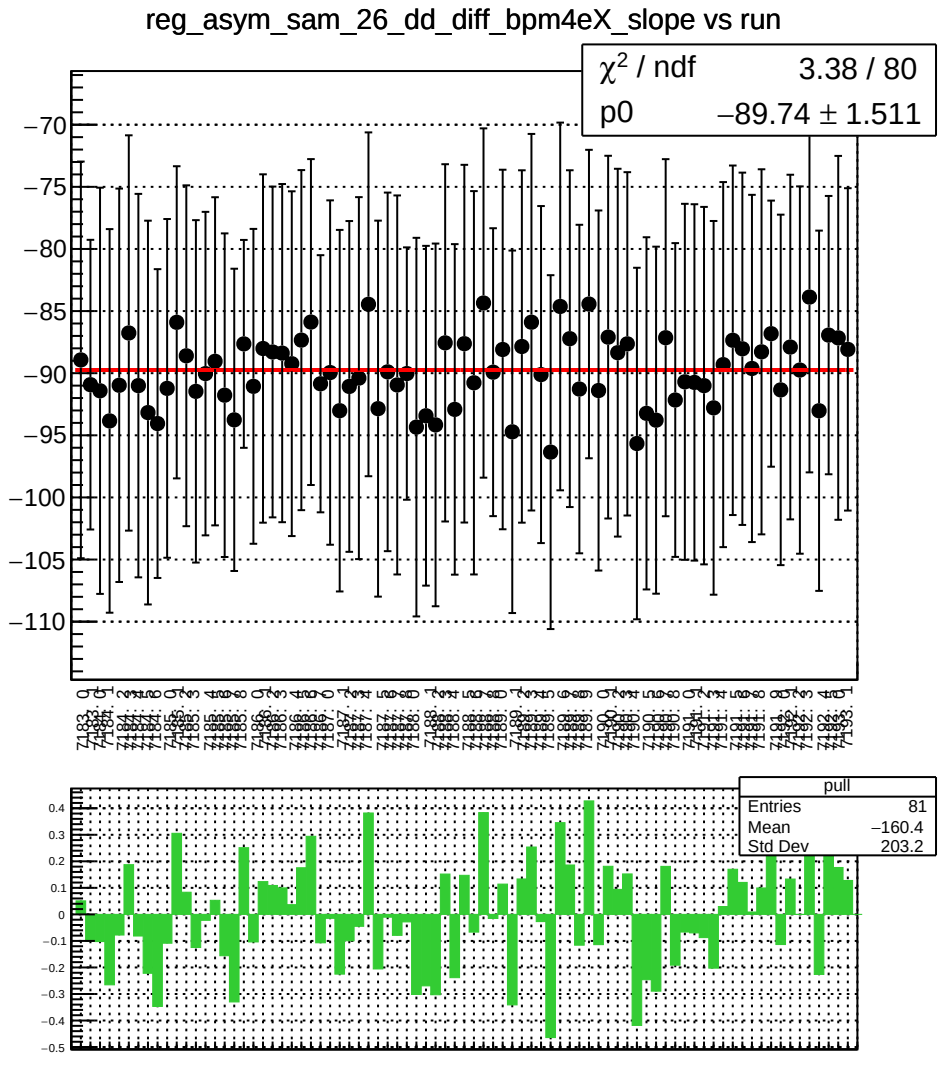

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.05 / 80
p0 −26.17 ± 0.3102
pull
Entries 81
Mean −479.8
Std Dev 521.8

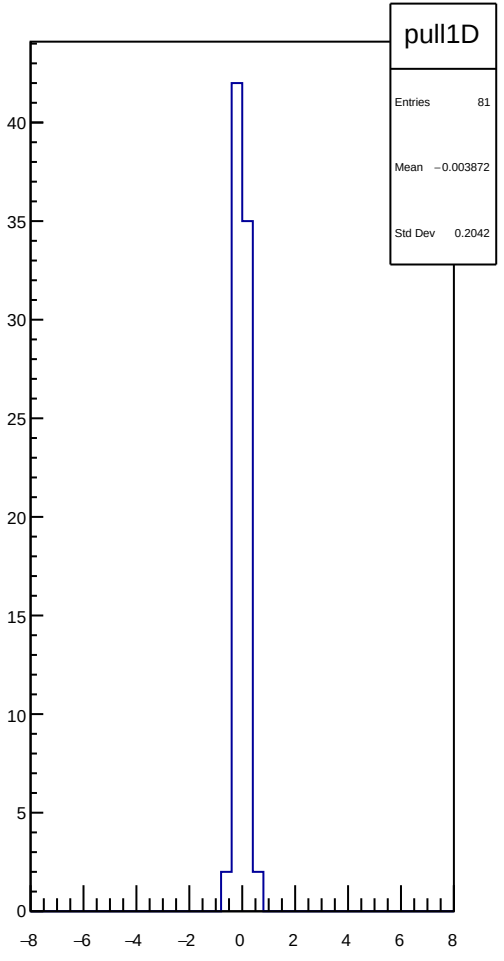

pull1D
Entries 81
Mean −0.01492
Std Dev 0.5446

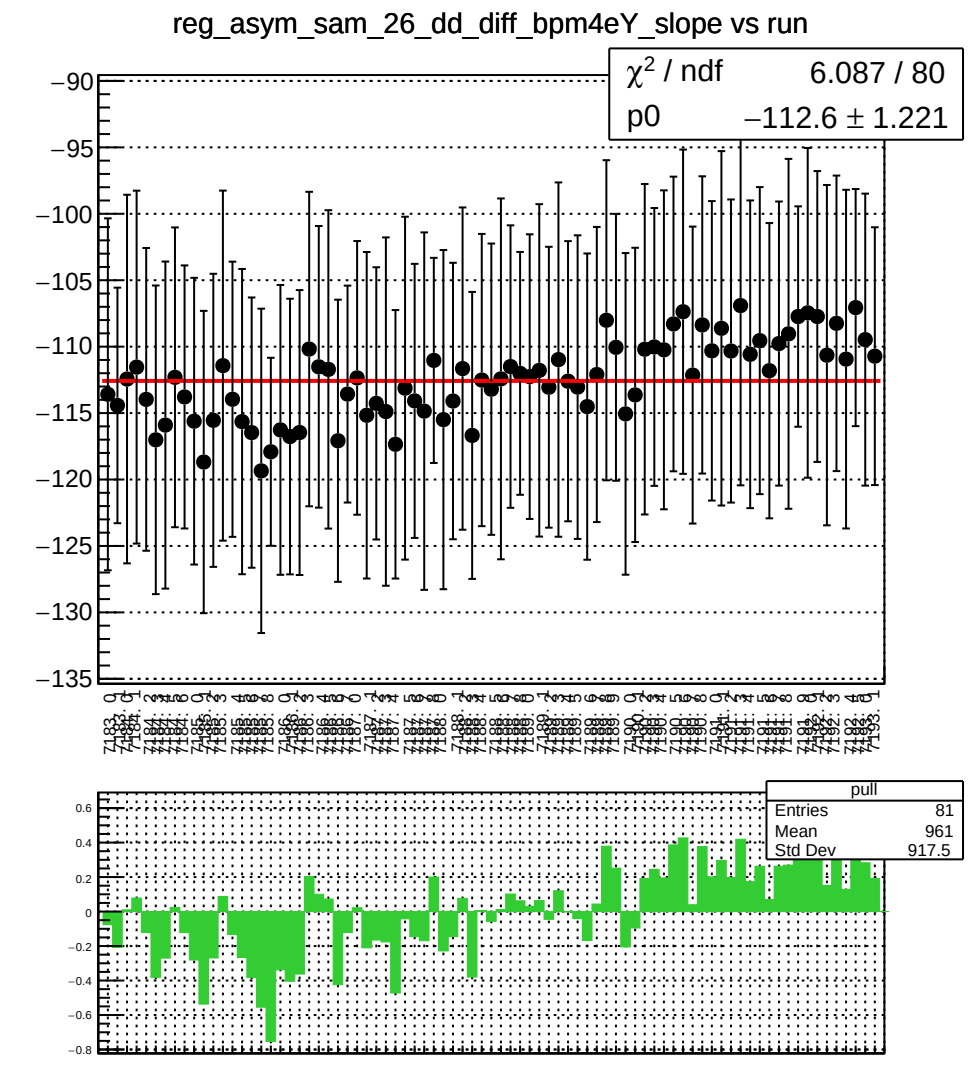

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 5.832 / 80
p0 0.4643 ± 0.01407
pull
Entries 81
Mean −2030
Std Dev 2069
pull1D
Entries 81
Mean 0.001676
Std Dev 0.2683

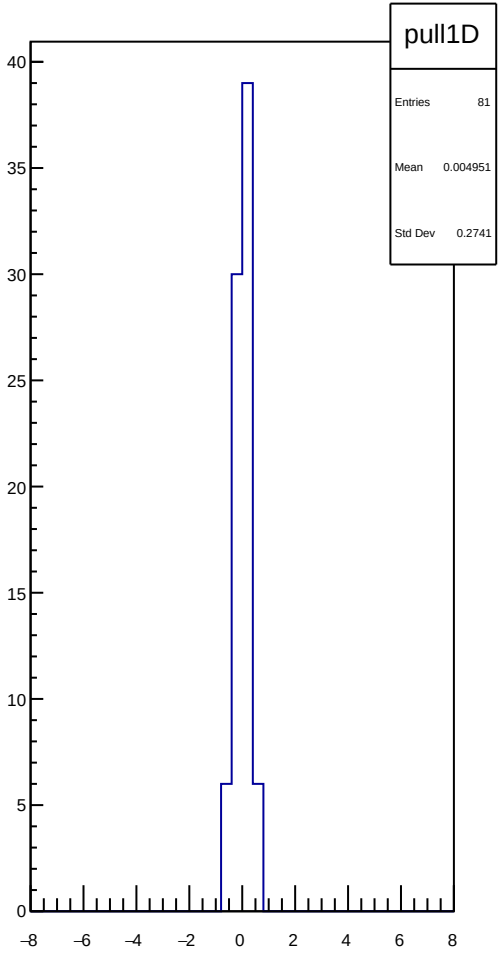

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.494 / 80
p0 −32.71 ± 1.509
pull
Entries 81
Mean −173.4
Std Dev 216.1
pull1D
Entries 81
Mean 0.003816
Std Dev 0.2077

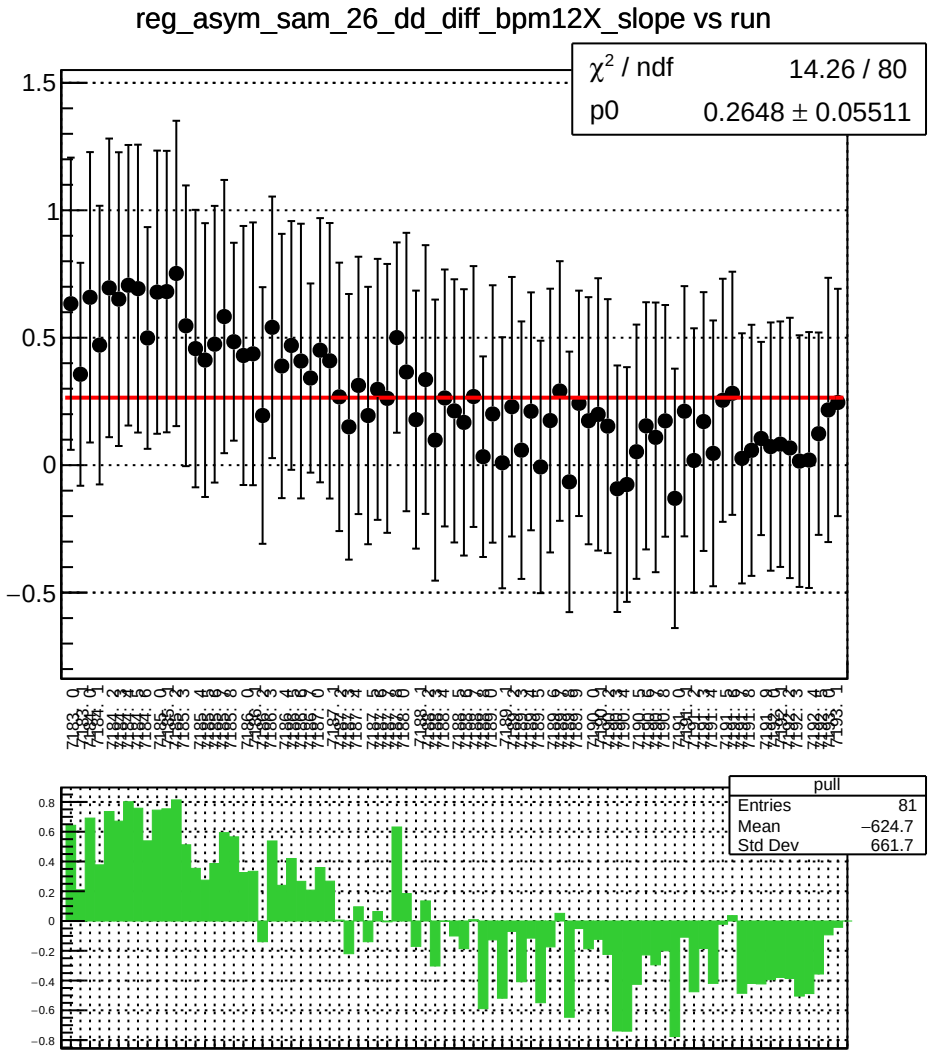

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.418 / 80
p0 −29.89 ± 1.124
pull
Entries 81
Mean 256.2
Std Dev 211.2
pull1D
Entries 81
Mean −0.01299
Std Dev 0.2332

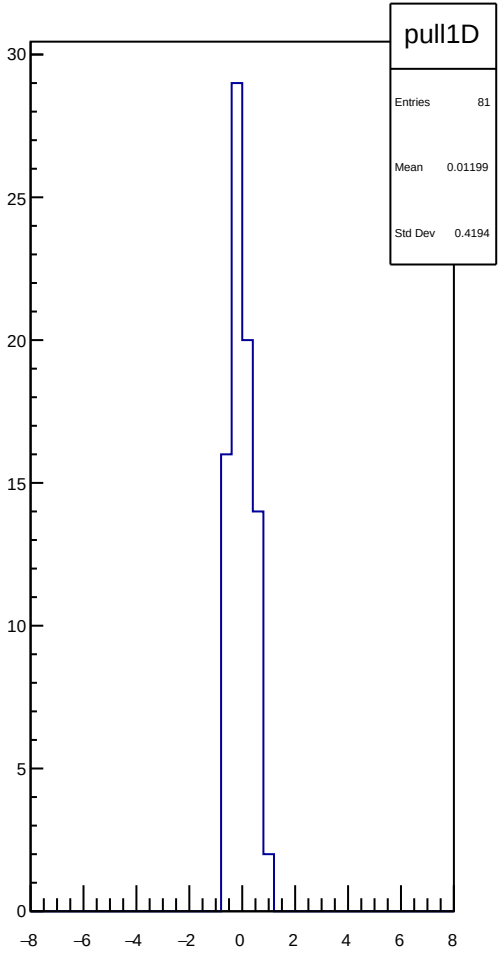

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.38 / 80
p0 −89.74 ± 1.511
pull
Entries 81
Mean −160.4
Std Dev 203.2

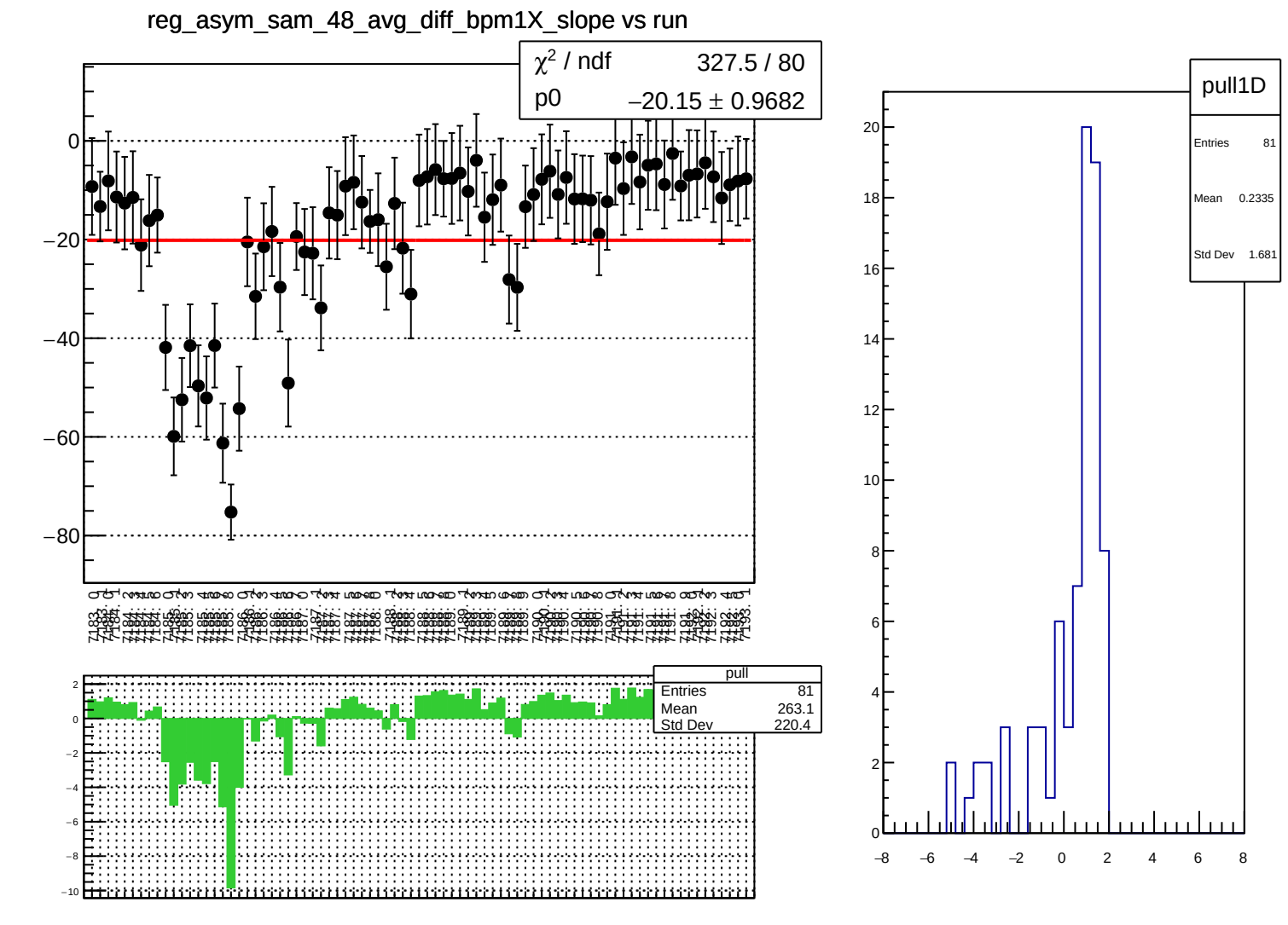

pull1D
Entries 81
Mean −0.003872
Std Dev 0.2042

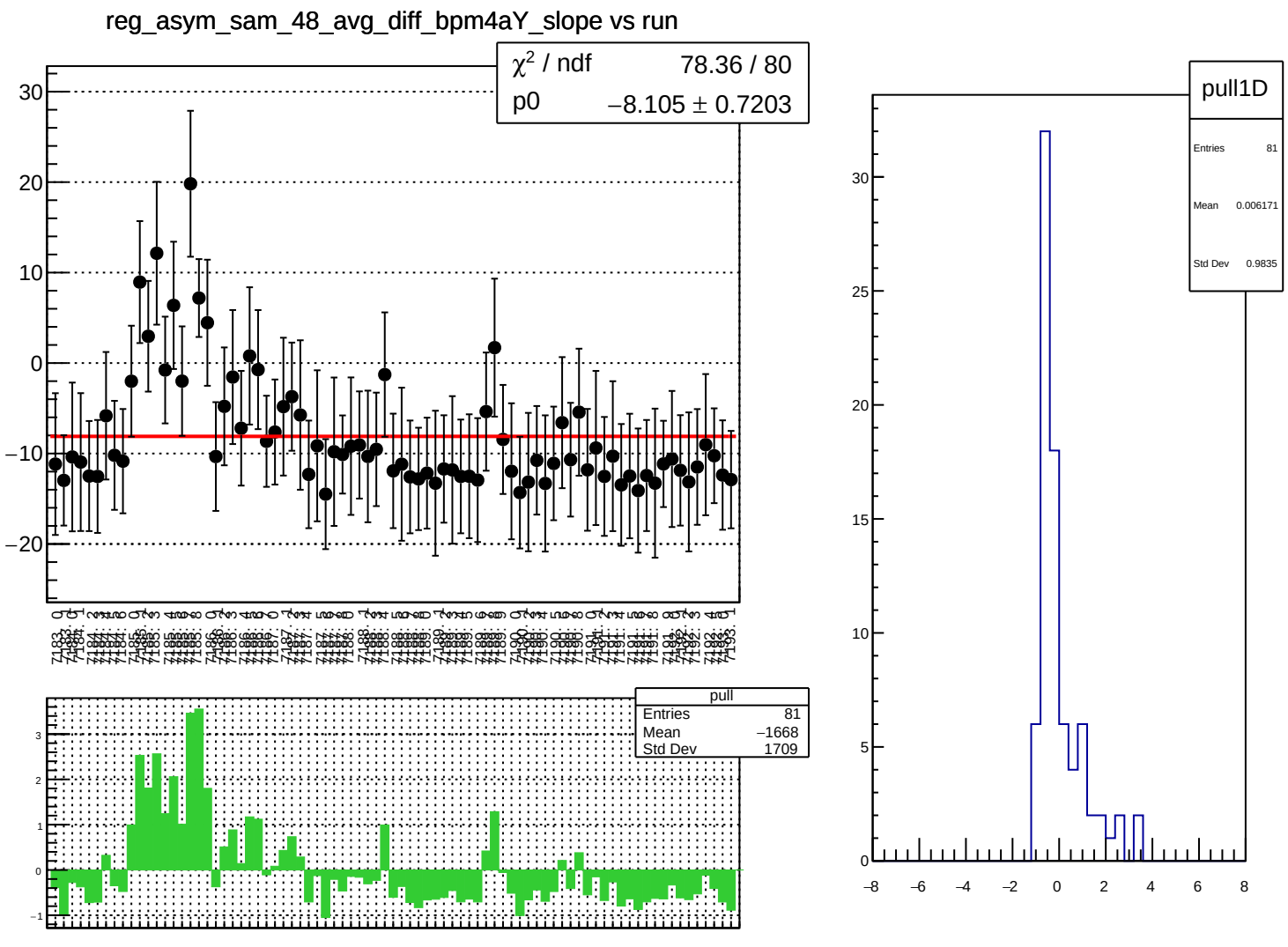

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.087 / 80
p0 −112.6 ± 1.221
pull
Entries 81
Mean 961
Std Dev 917.5

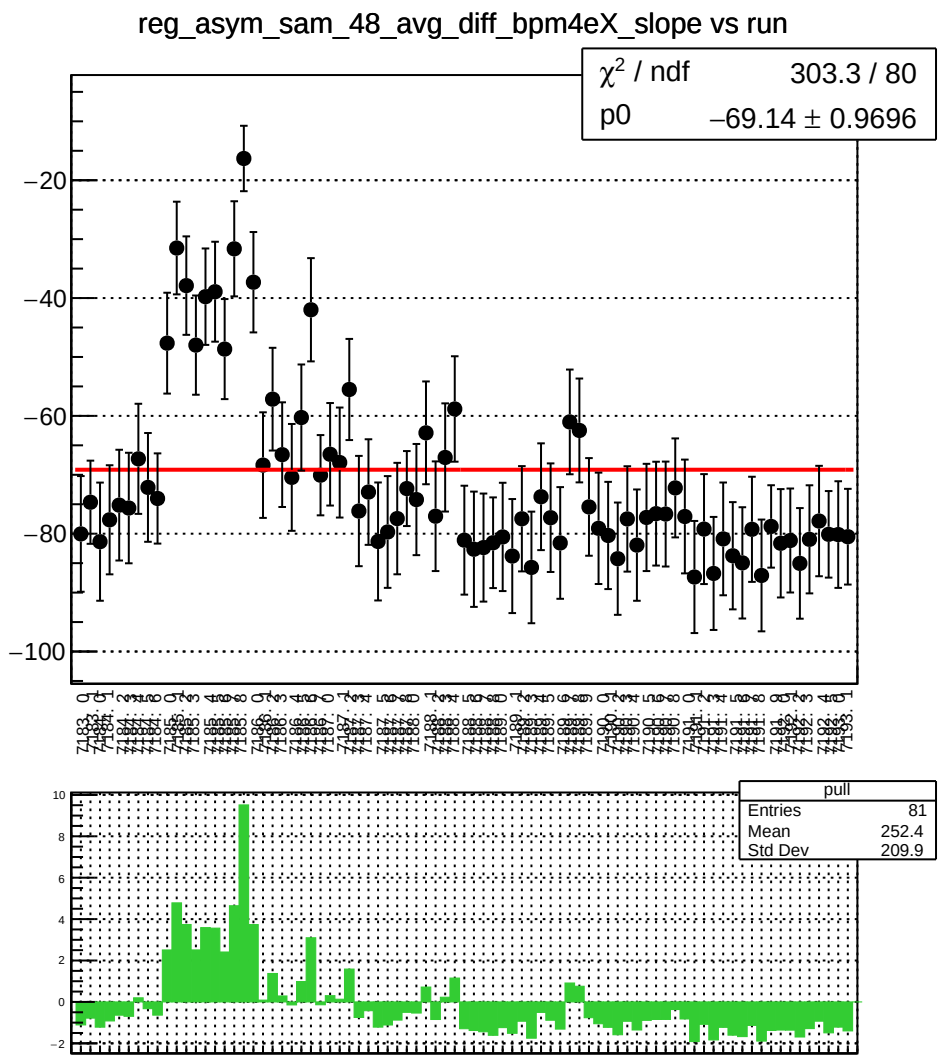

pull1D
Entries 81
Mean 0.004951
Std Dev 0.2741

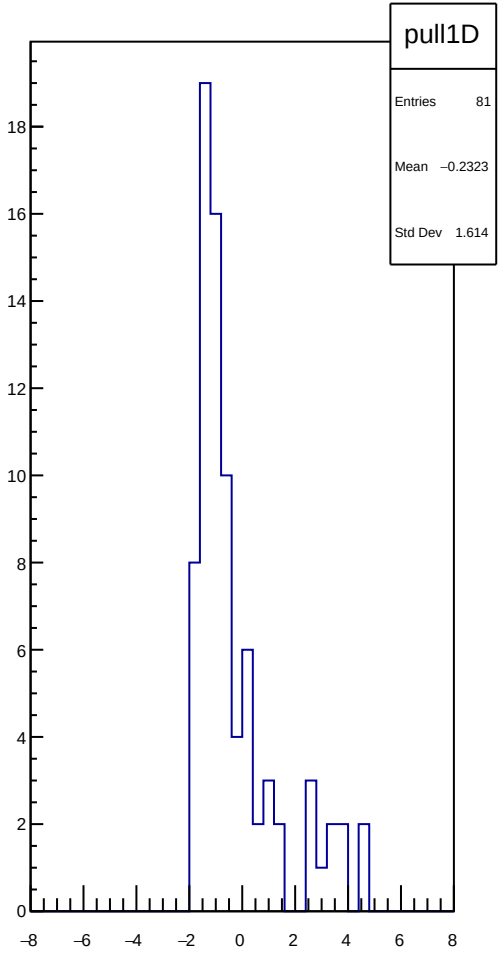

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 14.26 / 80
p0 0.2648 ± 0.05511
pull
Entries 81
Mean −624.7
Std Dev 661.7

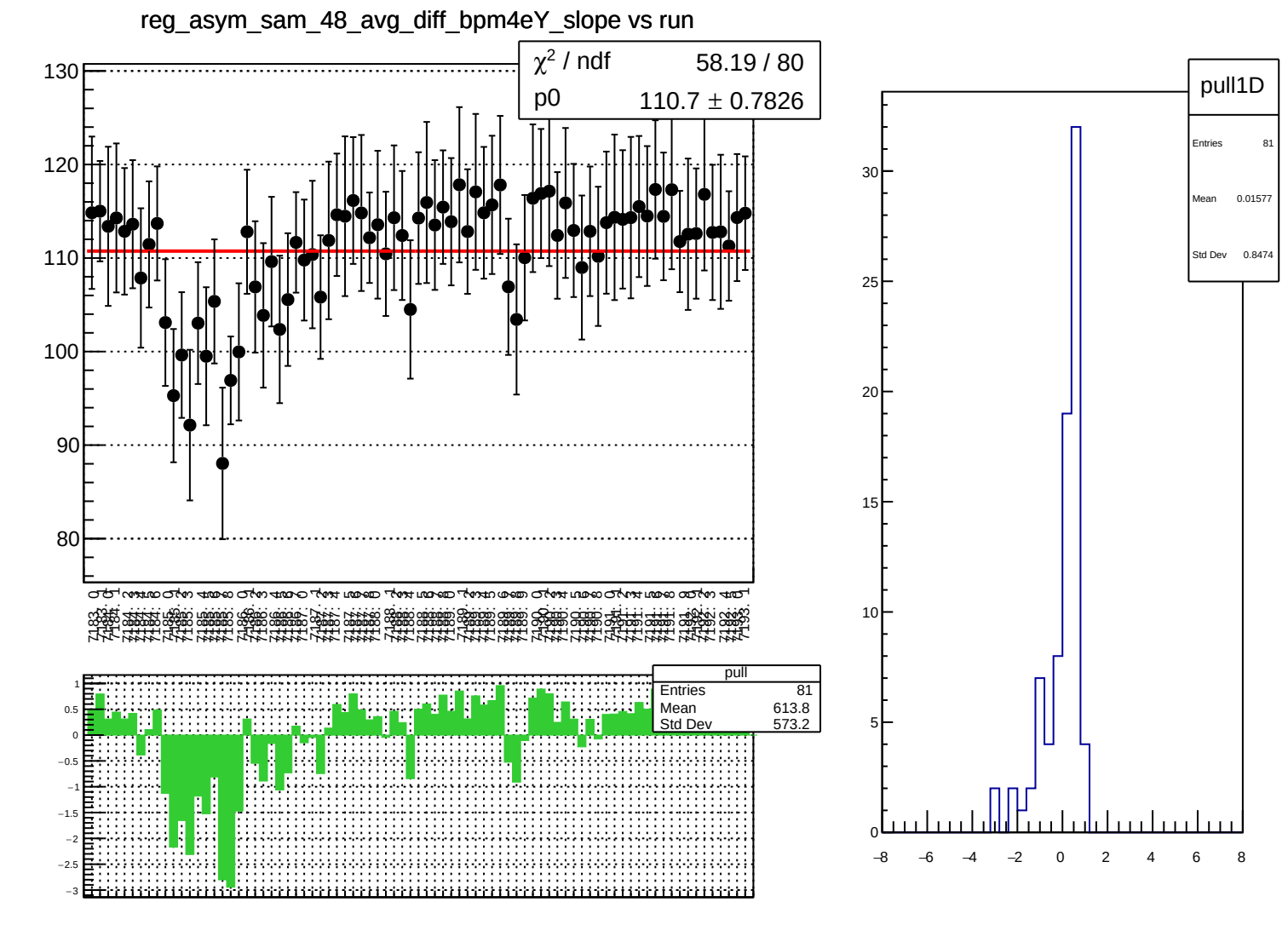

pull1D
Entries 81
Mean 0.01199
Std Dev 0.4194

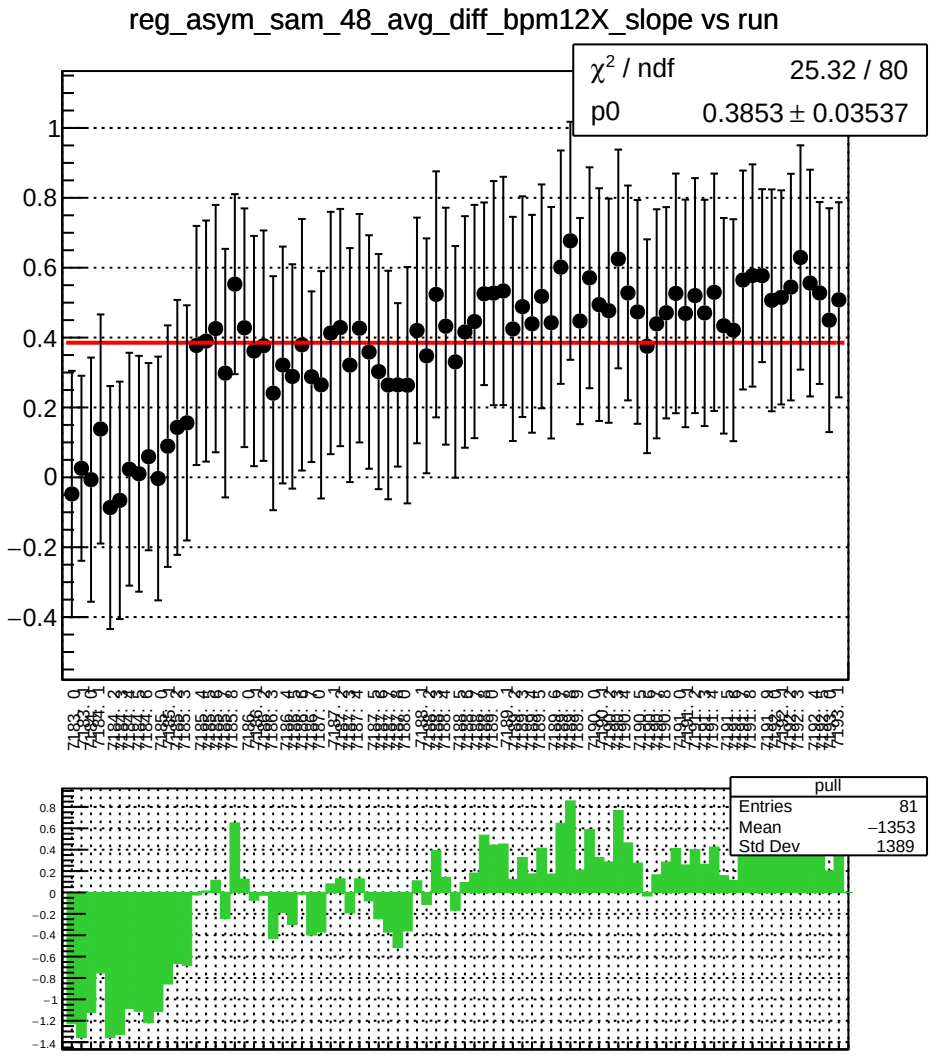

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 327.5 / 80
p0 −20.15 ± 0.9682
0
−20
−40
−60
−80
pull
Entries 81
Mean 263.1
Std Dev 220.4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 81
Mean 0.2335
Std Dev 1.681
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

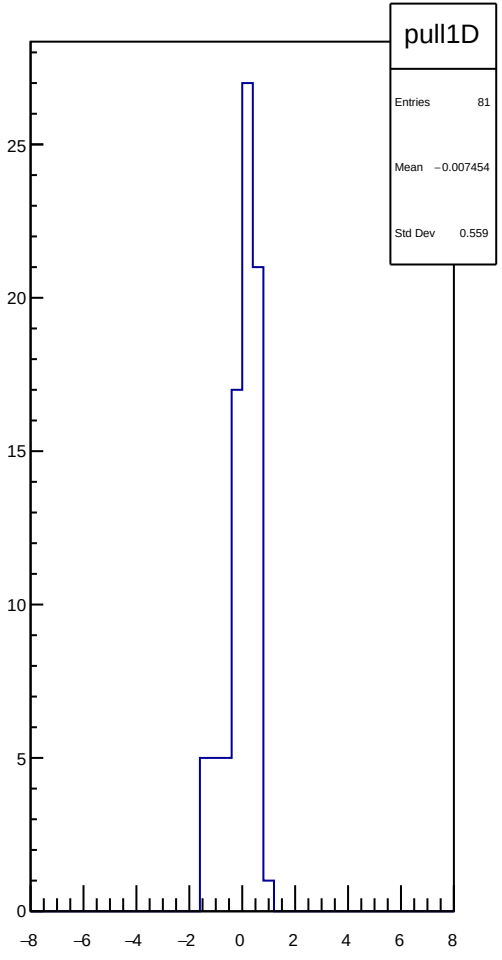

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.36 / 80
p0 −8.105 ± 0.7203
pull
Entries 81
Mean −1668
Std Dev 1709
pull1D
Entries 81
Mean 0.006171
Std Dev 0.9835

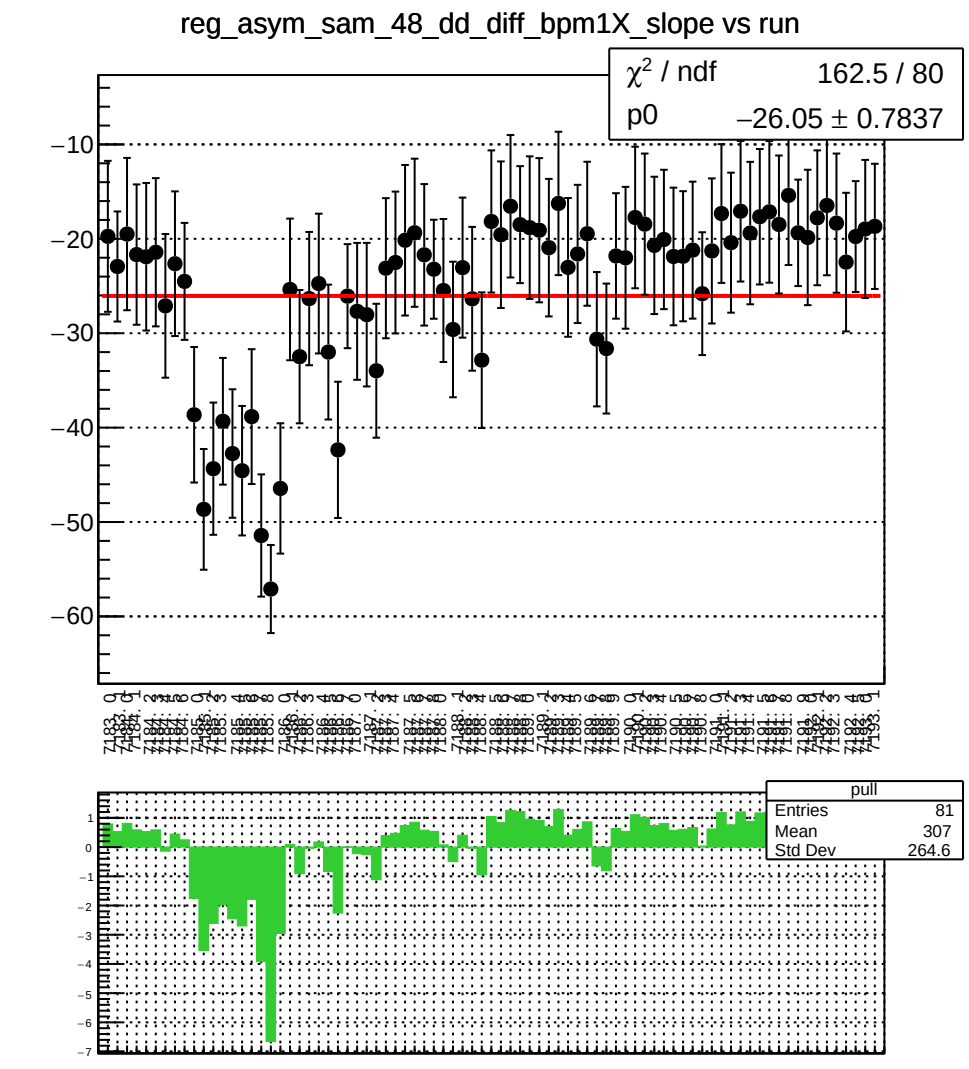

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 303.3 / 80
p0 −69.14 ± 0.9696
pull
Entries 81
Mean 252.4
Std Dev 209.9

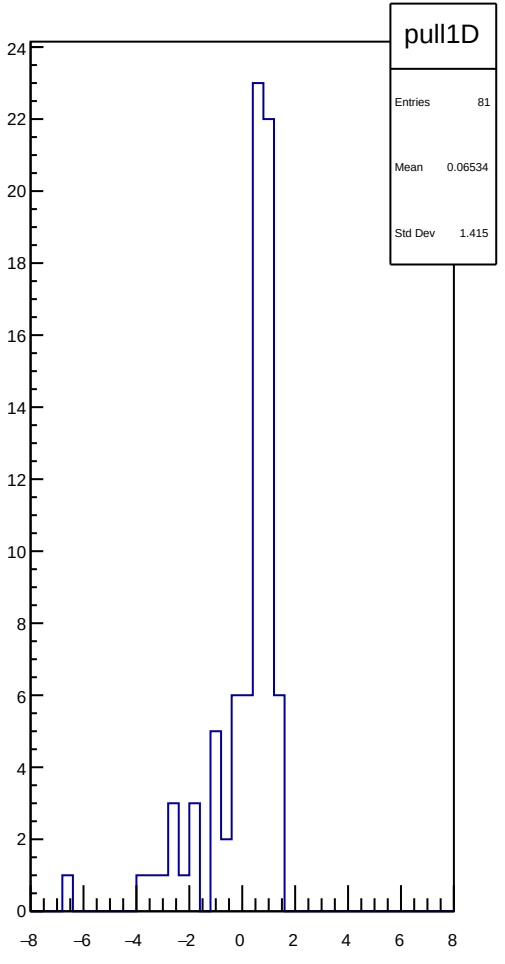

pull1D
Entries 81
Mean −0.2323
Std Dev 1.614

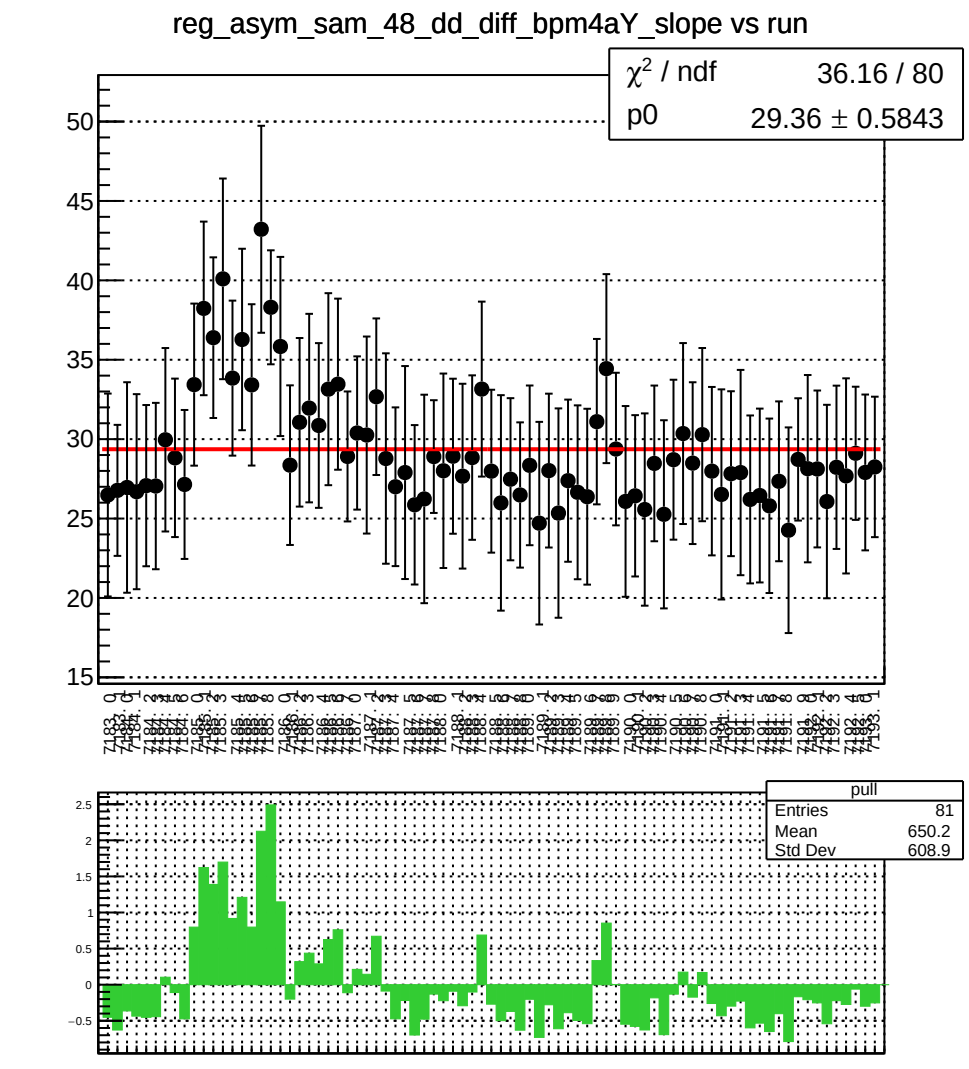

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.19 / 80
p0 110.7 ± 0.7826
pull
Entries 81
Mean 613.8
Std Dev 573.2
pull1D
Entries 81
Mean 0.01577
Std Dev 0.8474

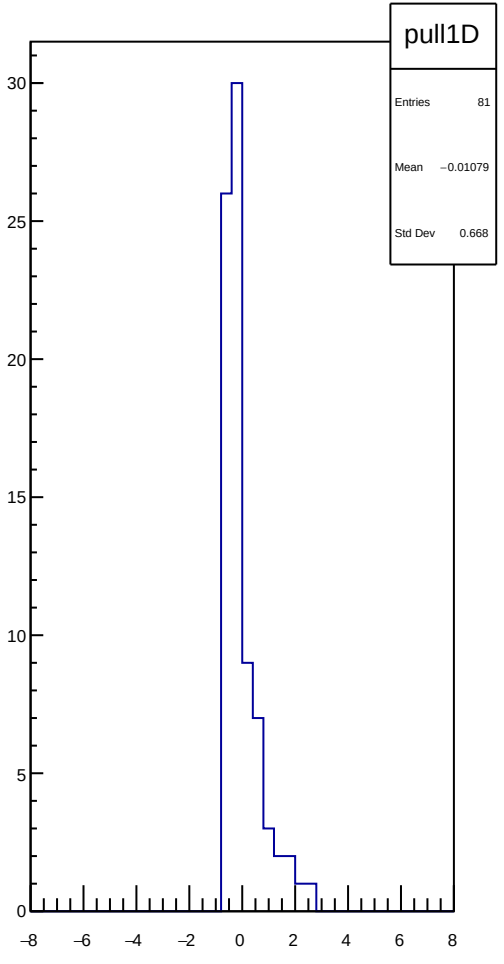

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 25.32 / 80
p0 0.3853 ± 0.03537
pull
Entries 81
Mean −1353
Std Dev 1389

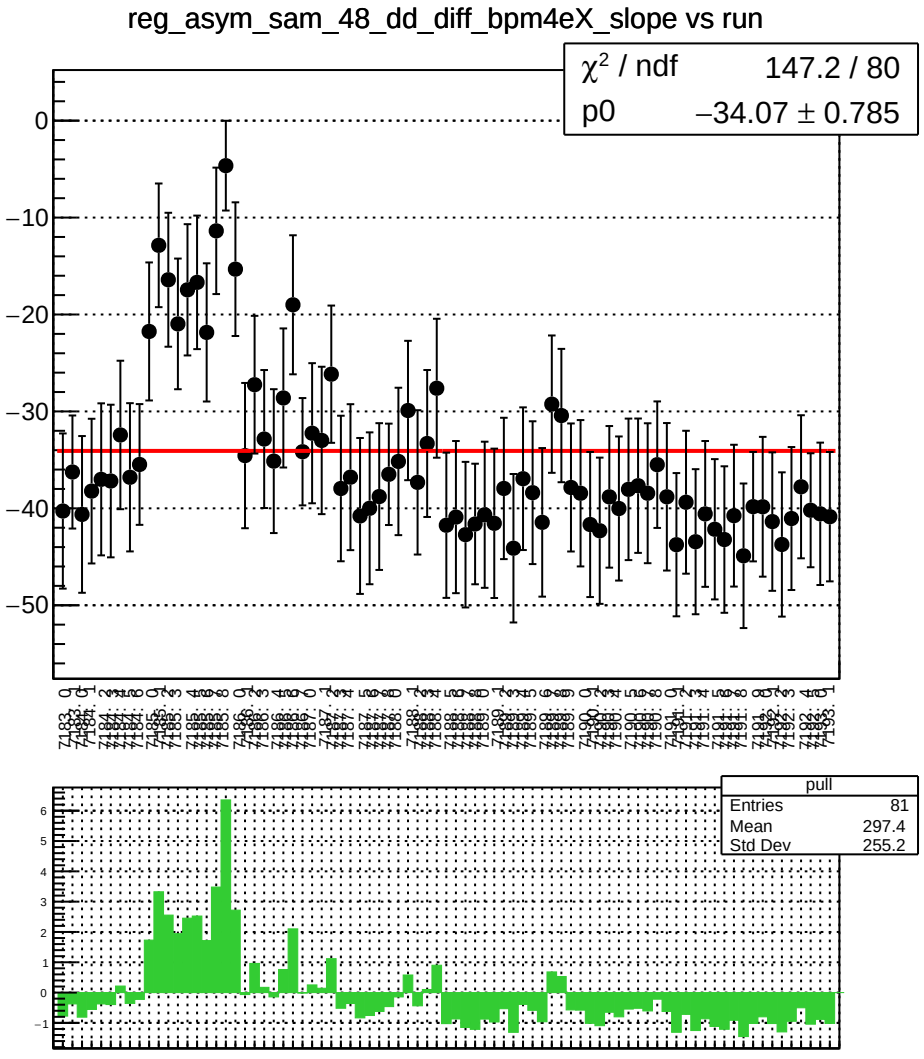

pull1D
Entries 81
Mean −0.007454
Std Dev 0.559

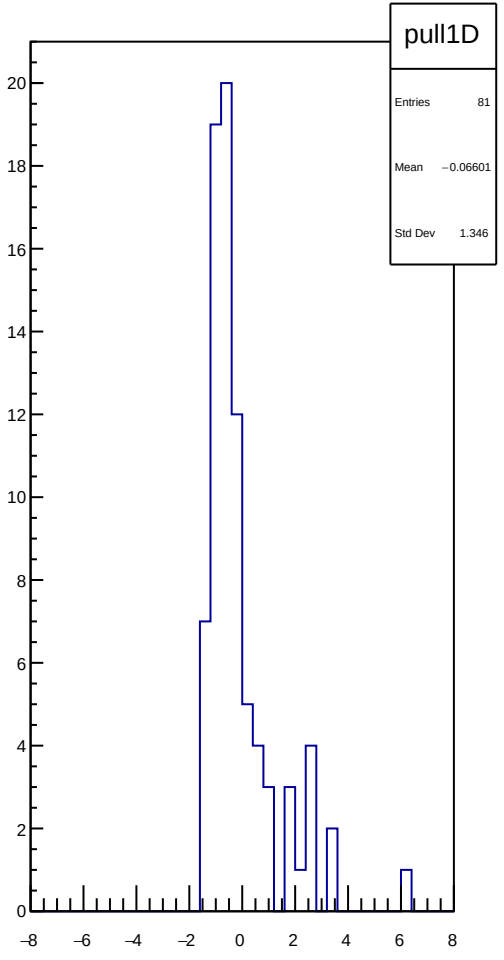

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 162.5 / 80
p0 −26.05 ± 0.7837
pull
Entries 81
Mean 307
Std Dev 264.6

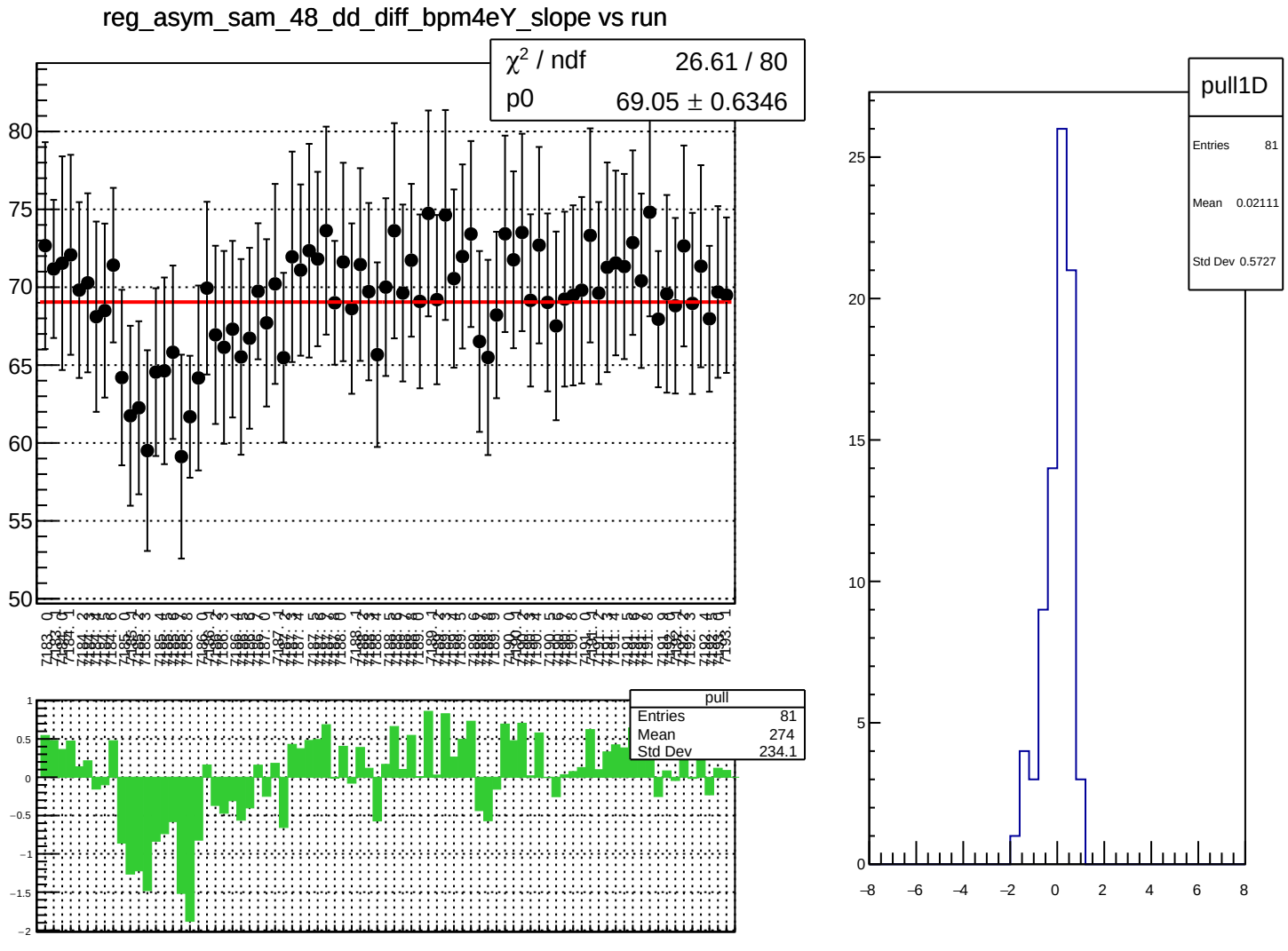

pull1D
Entries 81
Mean 0.06534
Std Dev 1.415

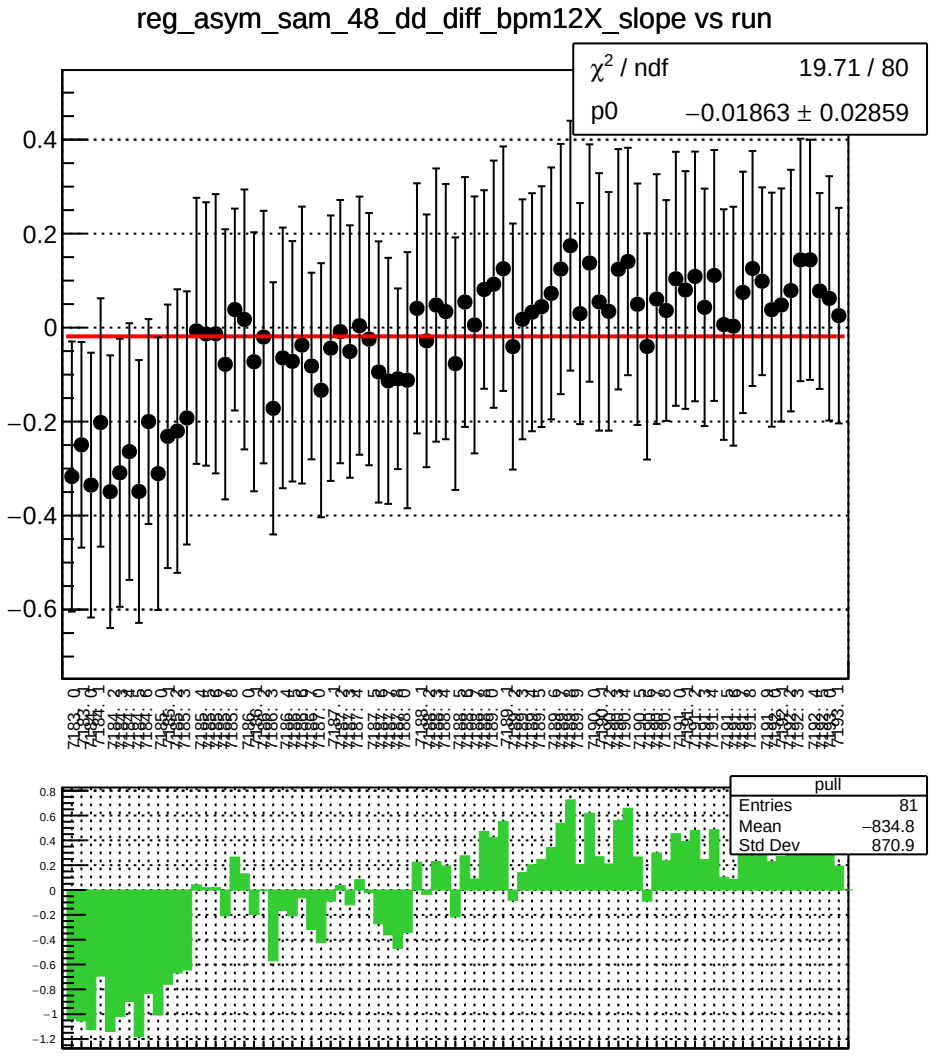

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.16 / 80
p0 29.36 ± 0.5843
pull
Entries 81
Mean 650.2
Std Dev 608.9

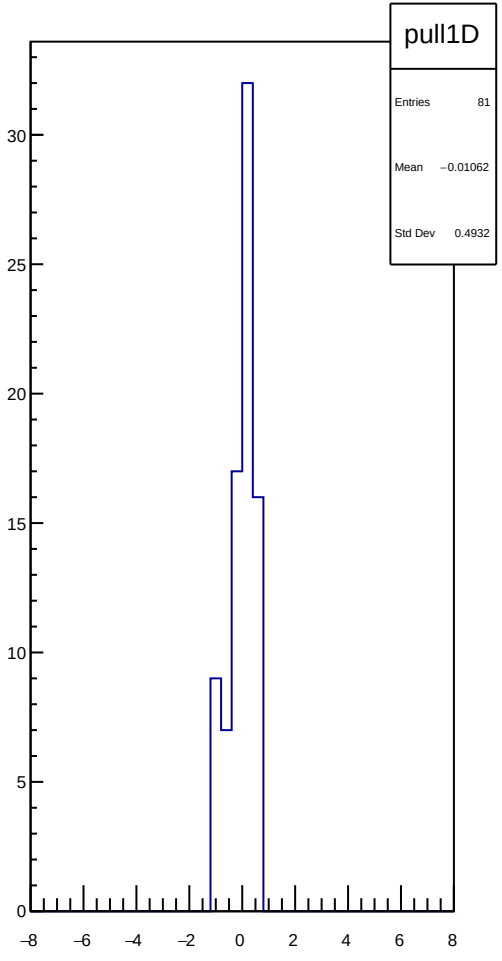

pull1D
Entries 81
Mean −0.01079
Std Dev 0.668

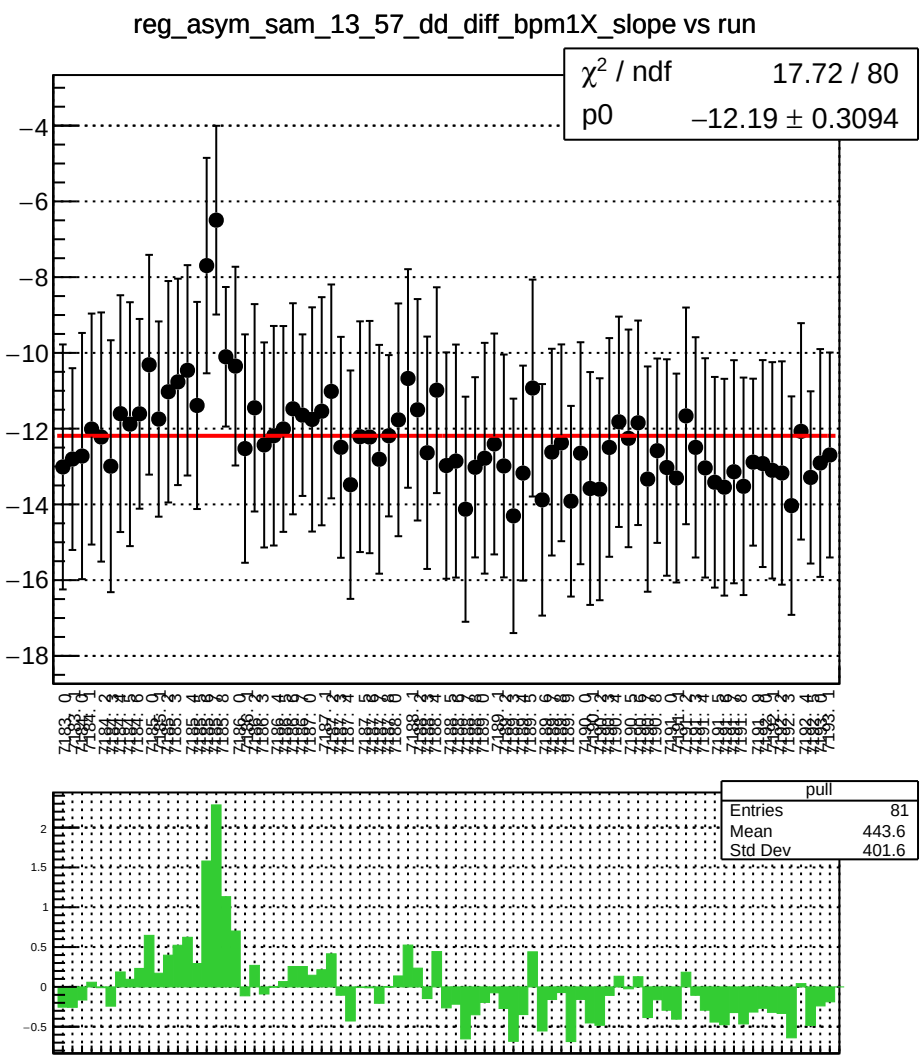

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 147.2 / 80
p0 −34.07 ± 0.785
pull
Entries 81
Mean 297.4
Std Dev 255.2

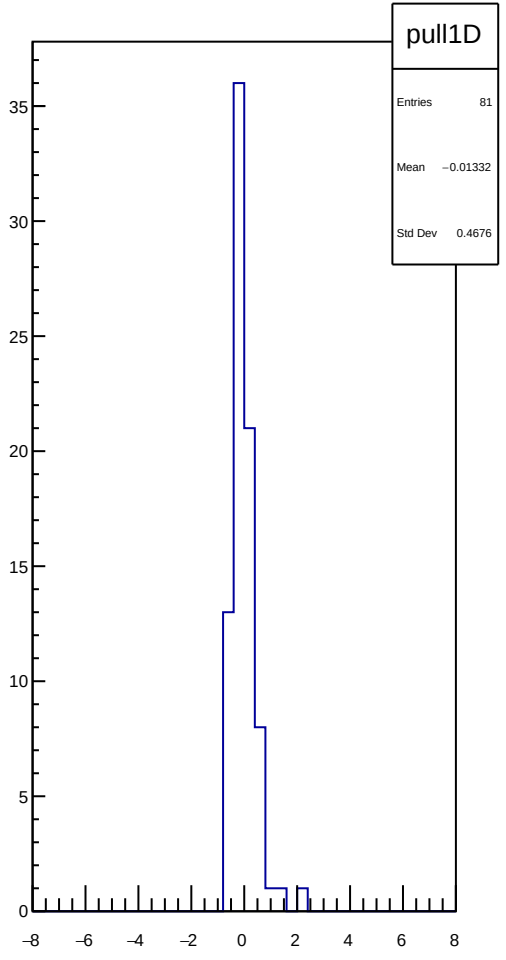

pull1D
Entries 81
Mean −0.06601
Std Dev 1.346

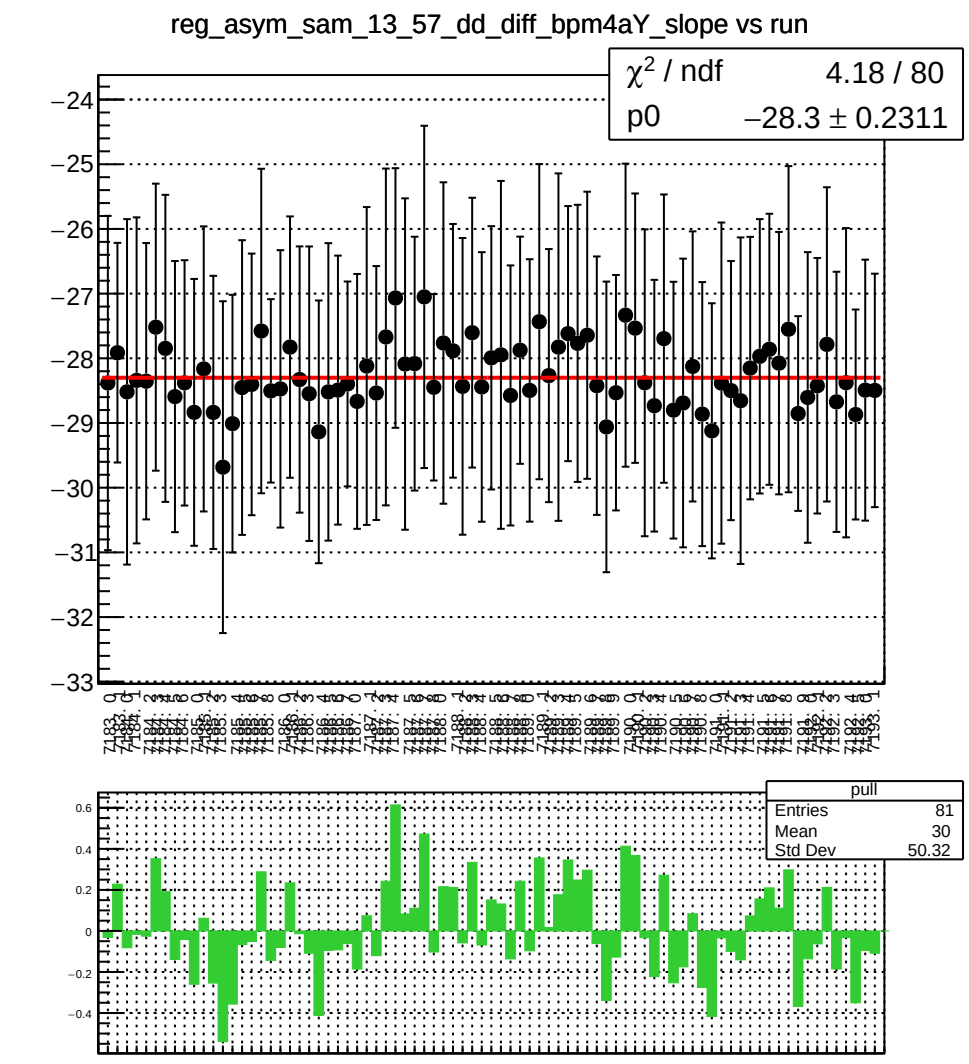

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.61 / 80
p0 69.05 ± 0.6346
pull
Entries 81
Mean 274
Std Dev 234.1
pull1D
Entries 81
Mean 0.02111
Std Dev 0.5727

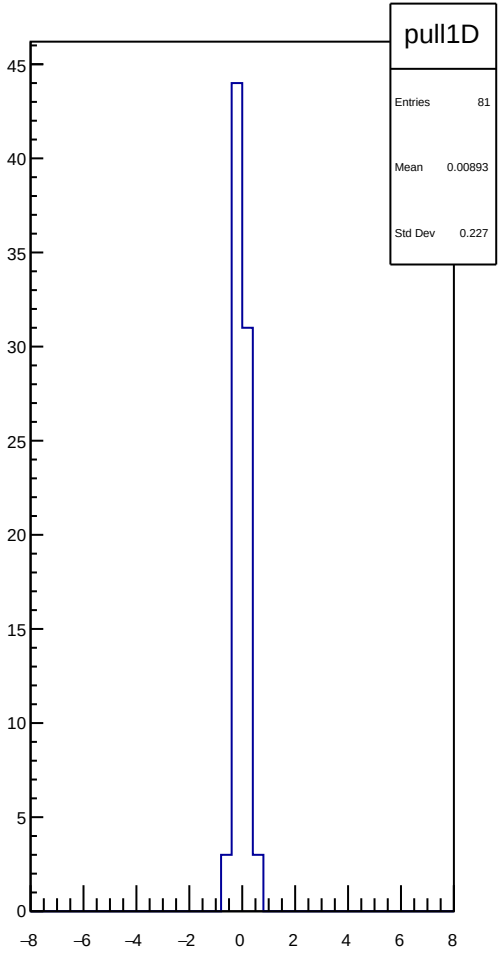

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.71 / 80
p0 −0.01863 ± 0.02859
pull
Entries 81
Mean −834.8
Std Dev 870.9

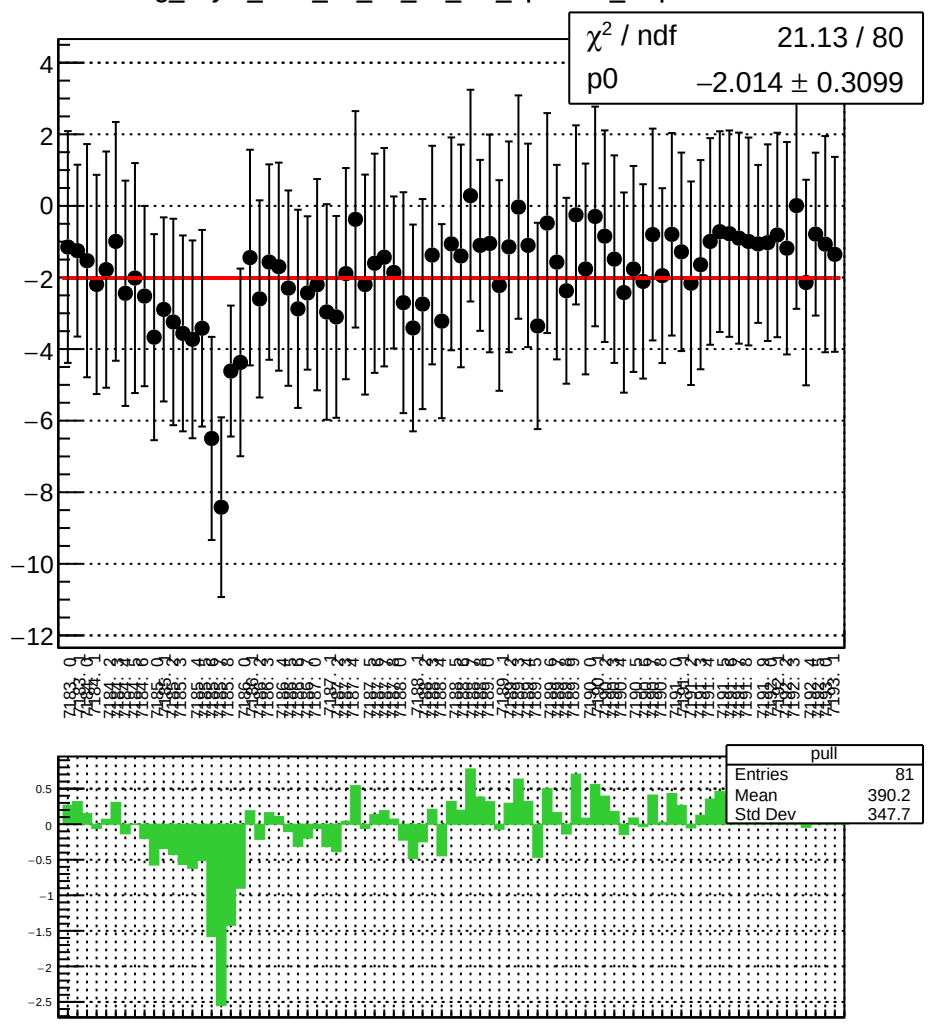

pull1D
Entries 81
Mean −0.01062
Std Dev 0.4932

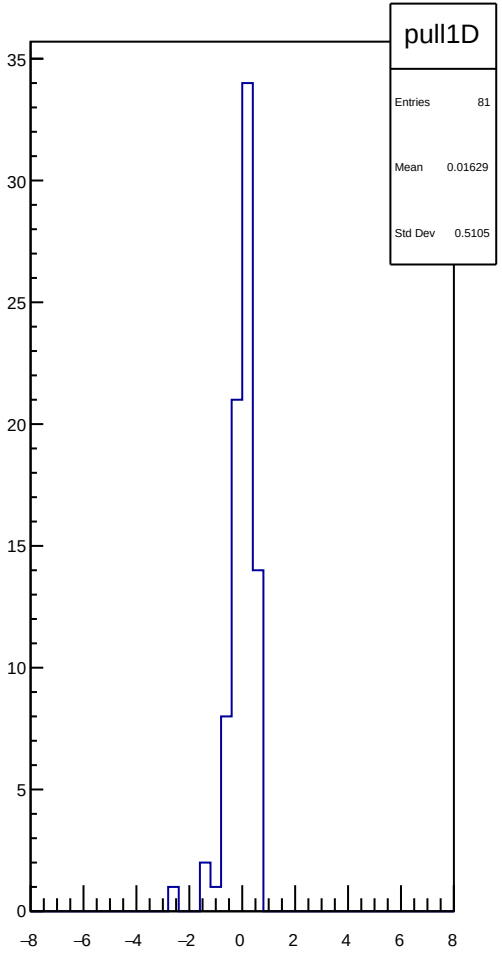

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 17.72 / 80
p0 −12.19 ± 0.3094
pull
Entries 81
Mean 443.6
Std Dev 401.6

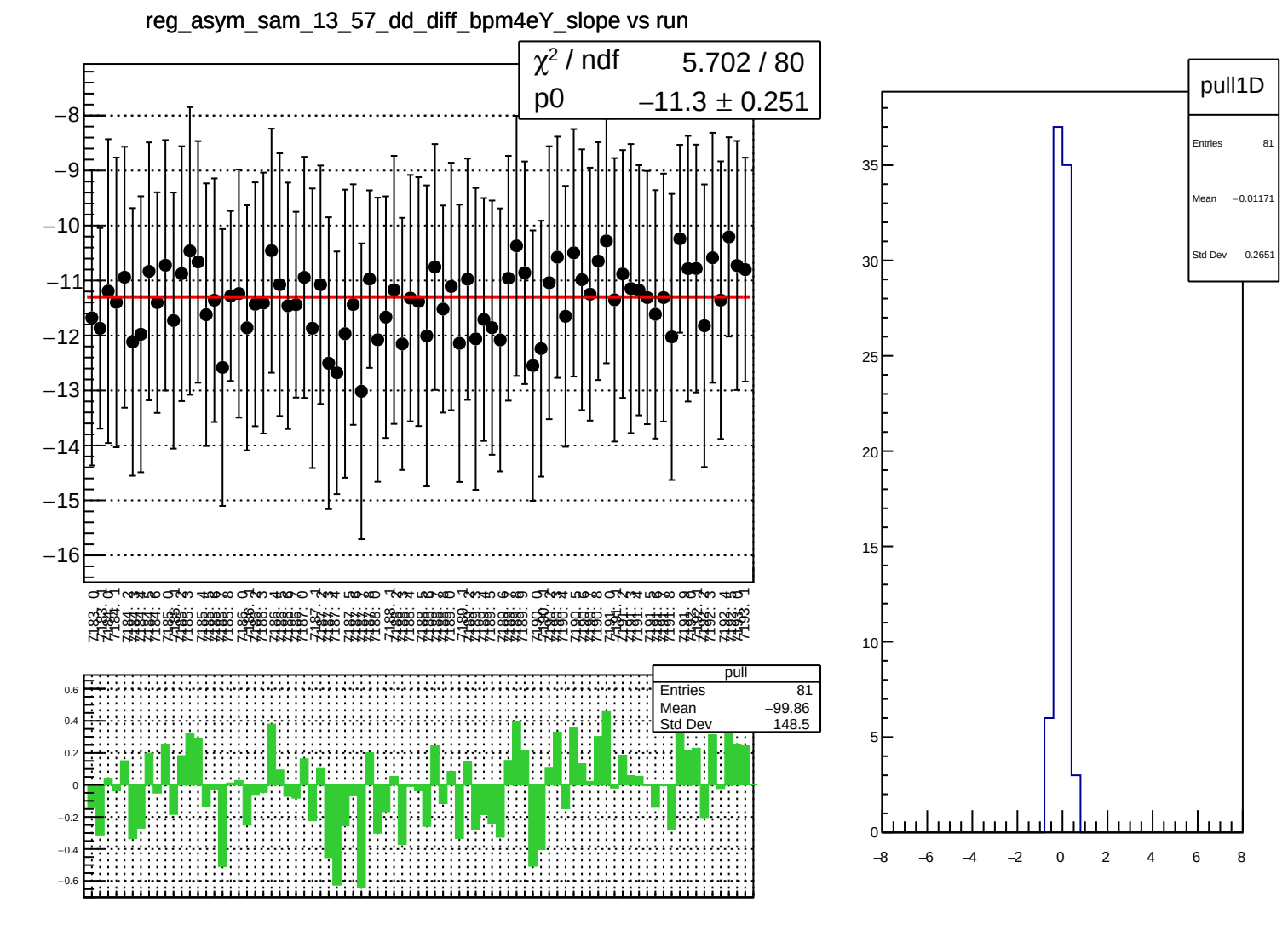

pull1D
Entries 81
Mean −0.01332
Std Dev 0.4676

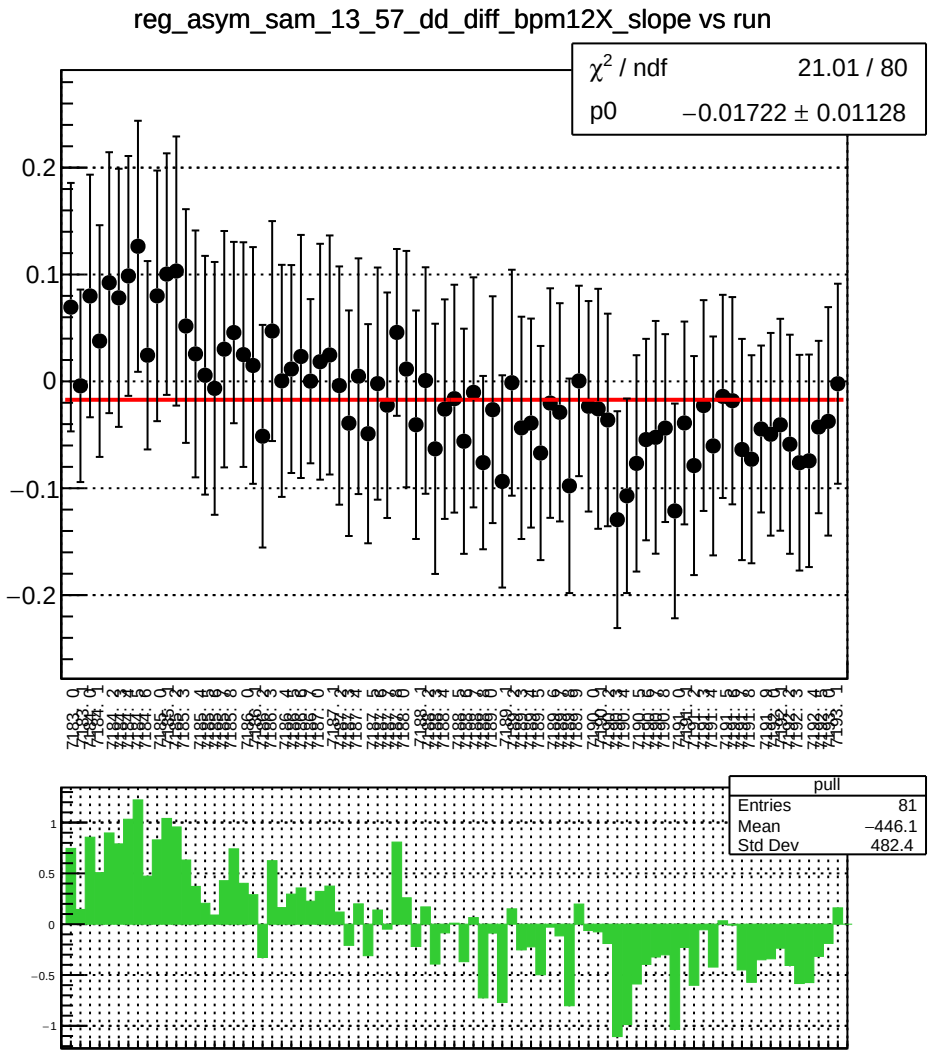

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.18 / 80
p0 −28.3 ± 0.2311
pull
Entries 81
Mean 30
Std Dev 50.32

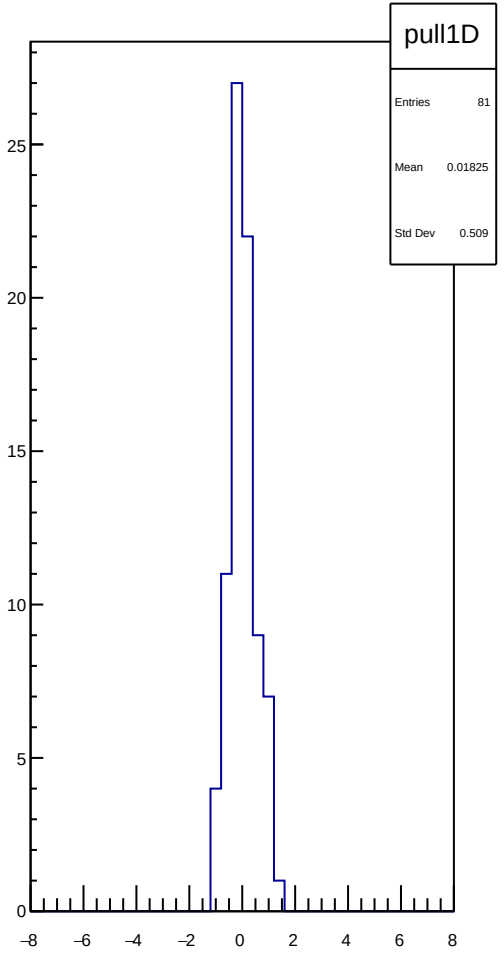

pull1D
Entries 81
Mean 0.00893
Std Dev 0.227

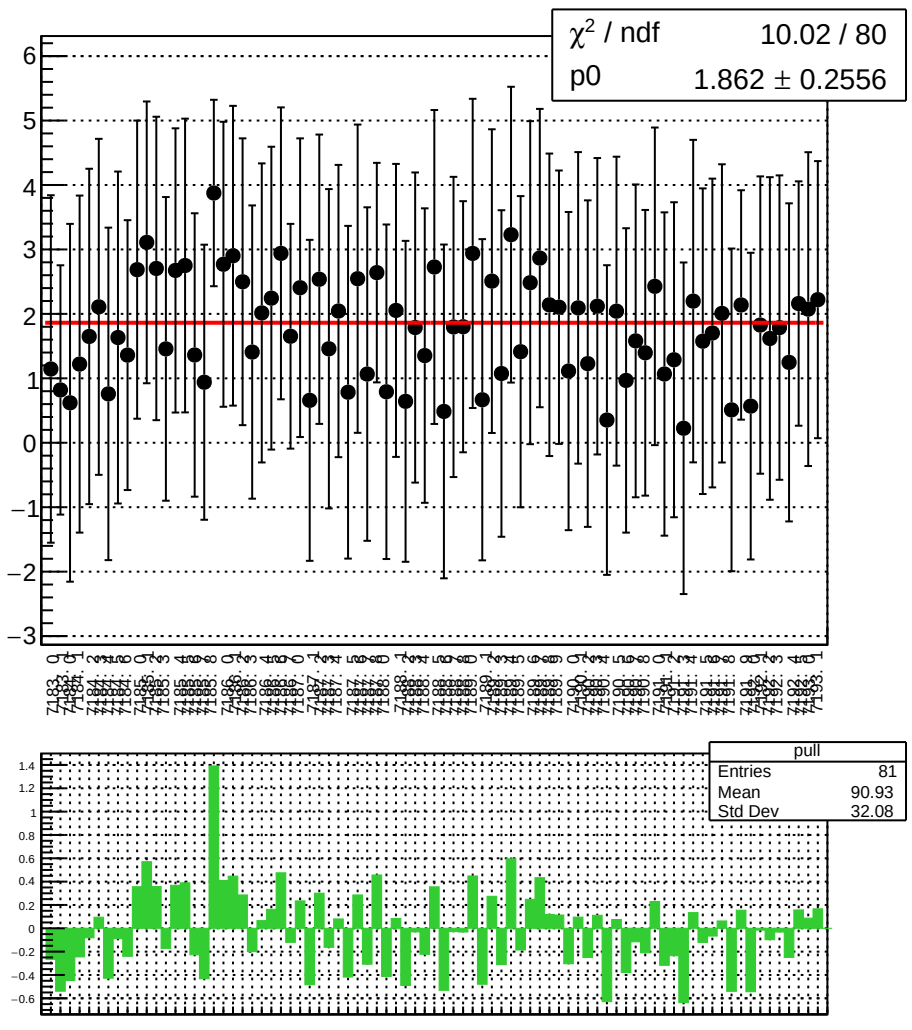

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.13 / 80
p0 −2.014 ± 0.3099
pull
Entries 81
Mean 390.2
Std Dev 347.7

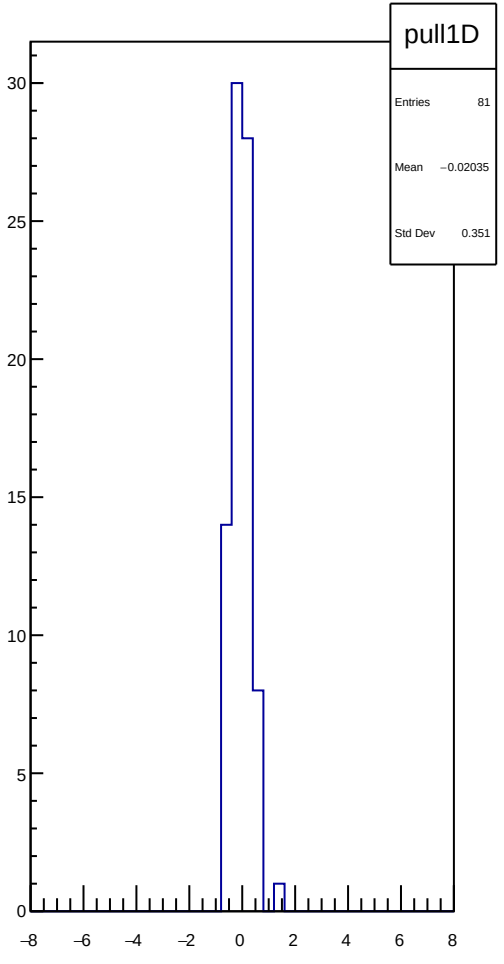

pull1D
Entries 81
Mean 0.01629
Std Dev 0.5105

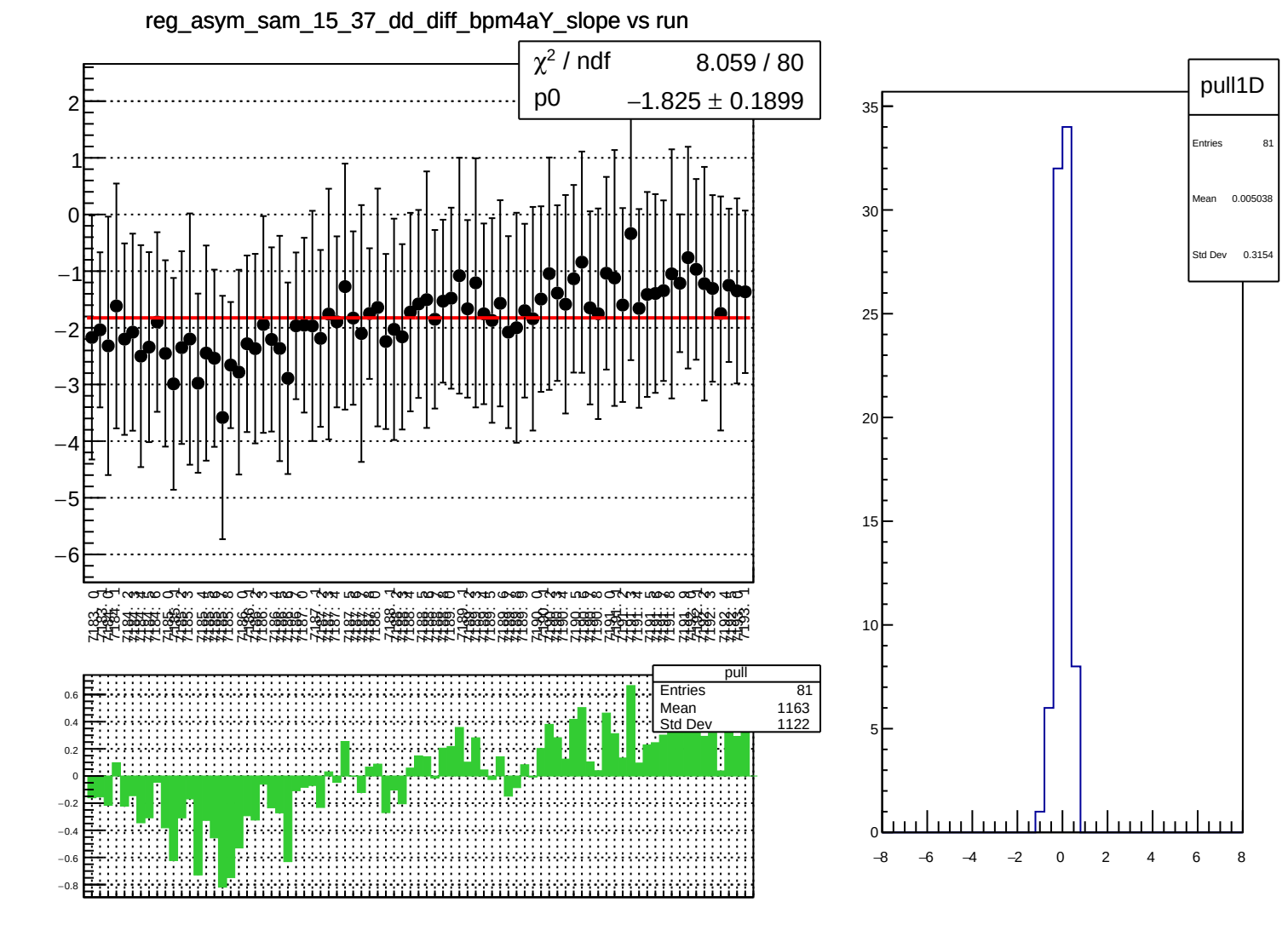

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.702 / 80
p0 −11.3 ± 0.251
pull
Entries 81
Mean −99.86
Std Dev 148.5
pull1D
Entries 81
Mean −0.01171
Std Dev 0.2651

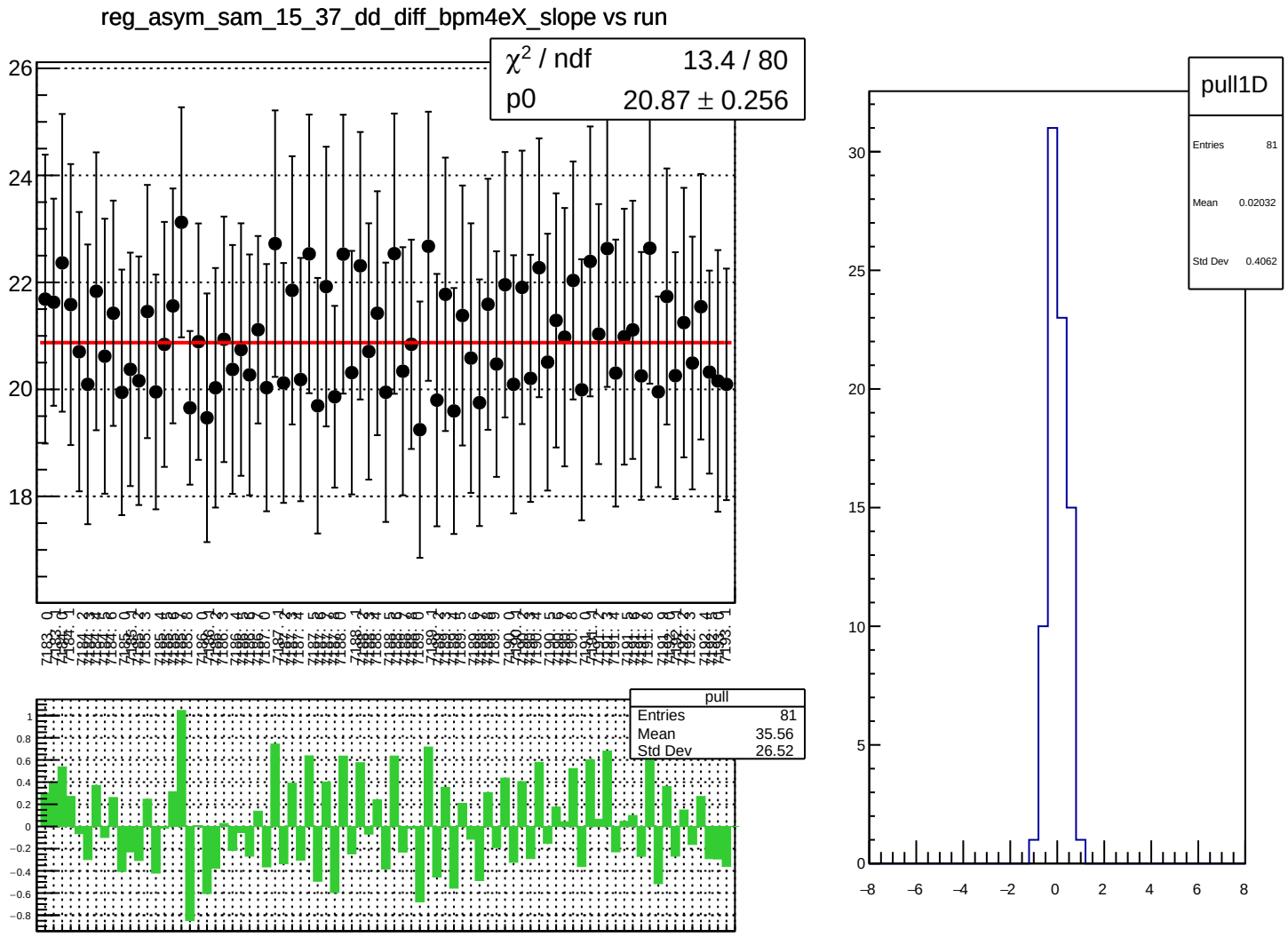

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 21.01 / 80
p0 −0.01722 ± 0.01128
pull
Entries 81
Mean −446.1
Std Dev 482.4

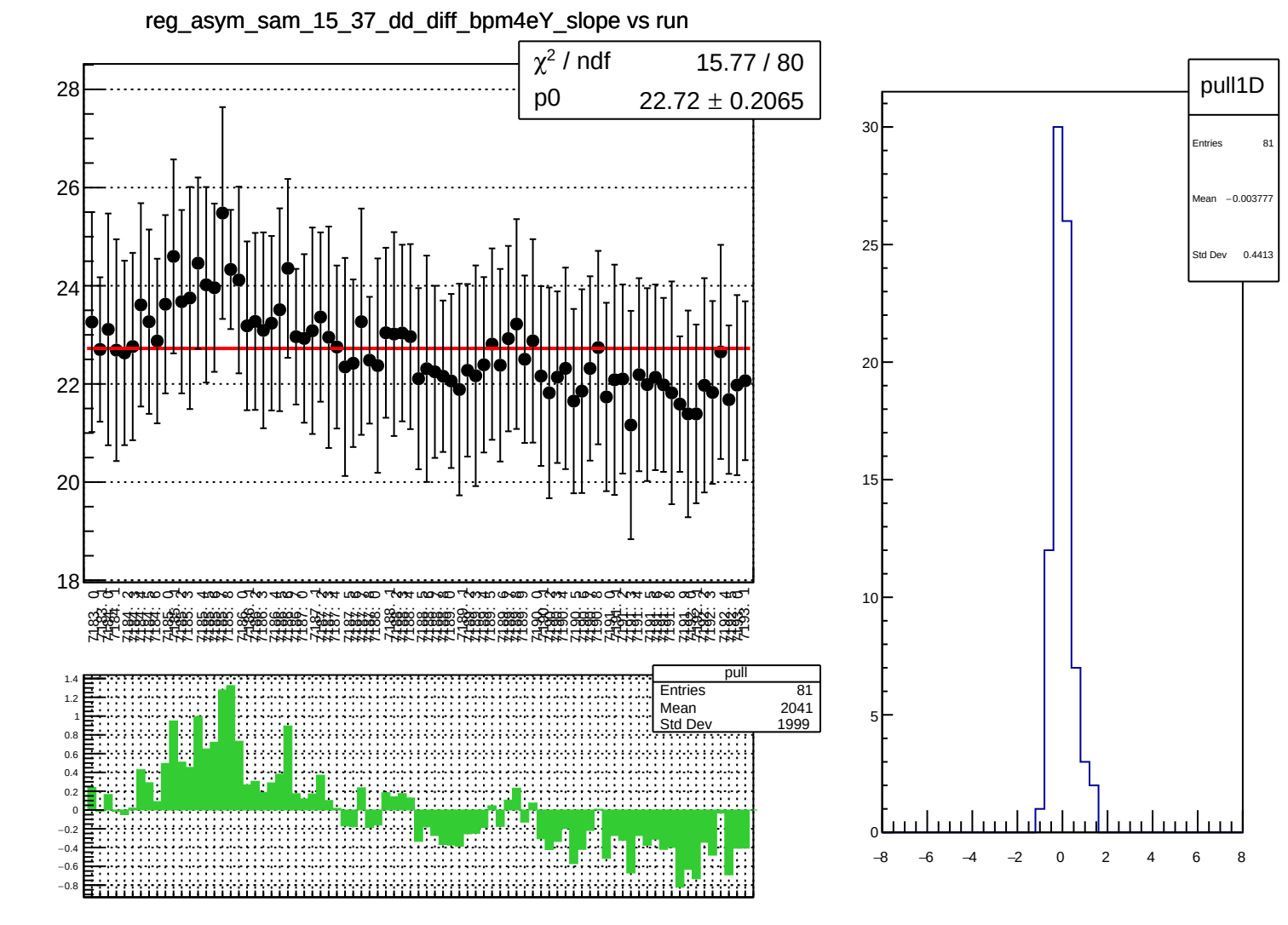

pull1D
Entries 81
Mean 0.01825
Std Dev 0.509

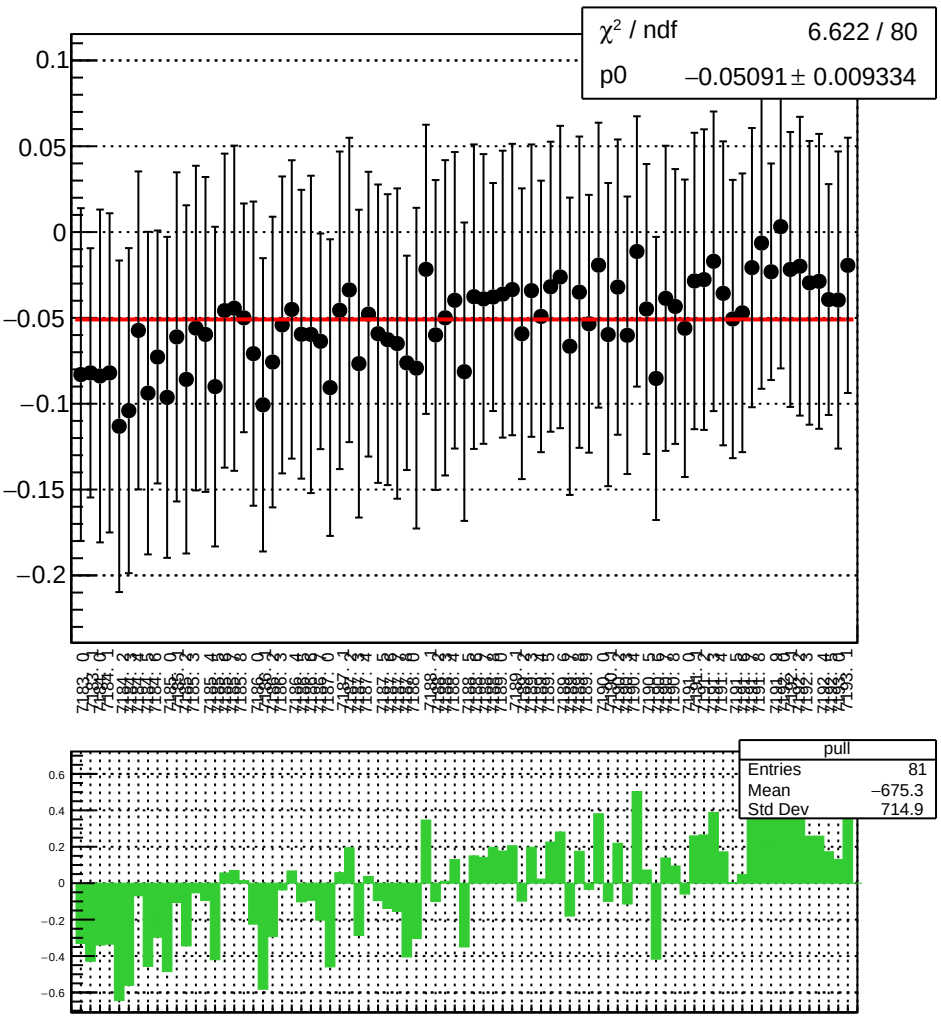

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 10.02 / 80
p0 1.862 ± 0.2556
pull
Entries 81
Mean 90.93
Std Dev 32.08

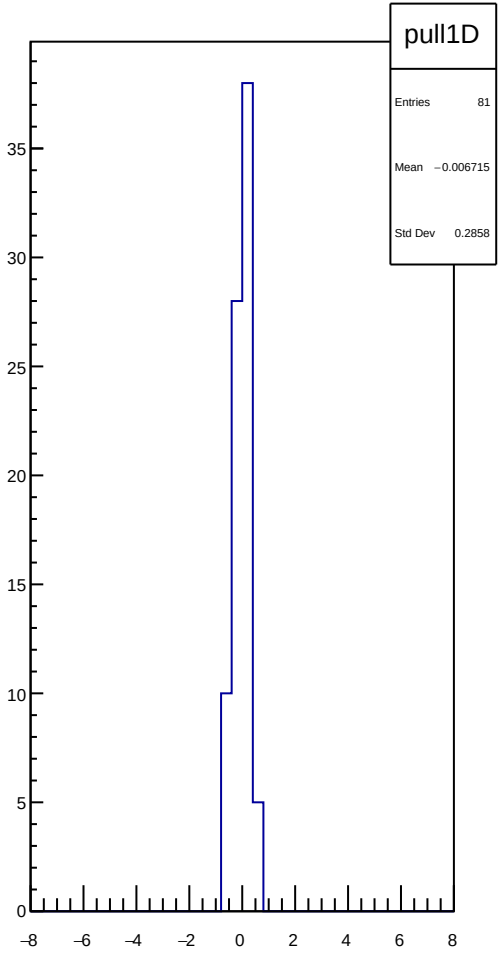

pull1D
Entries 81
Mean −0.02035
Std Dev 0.351

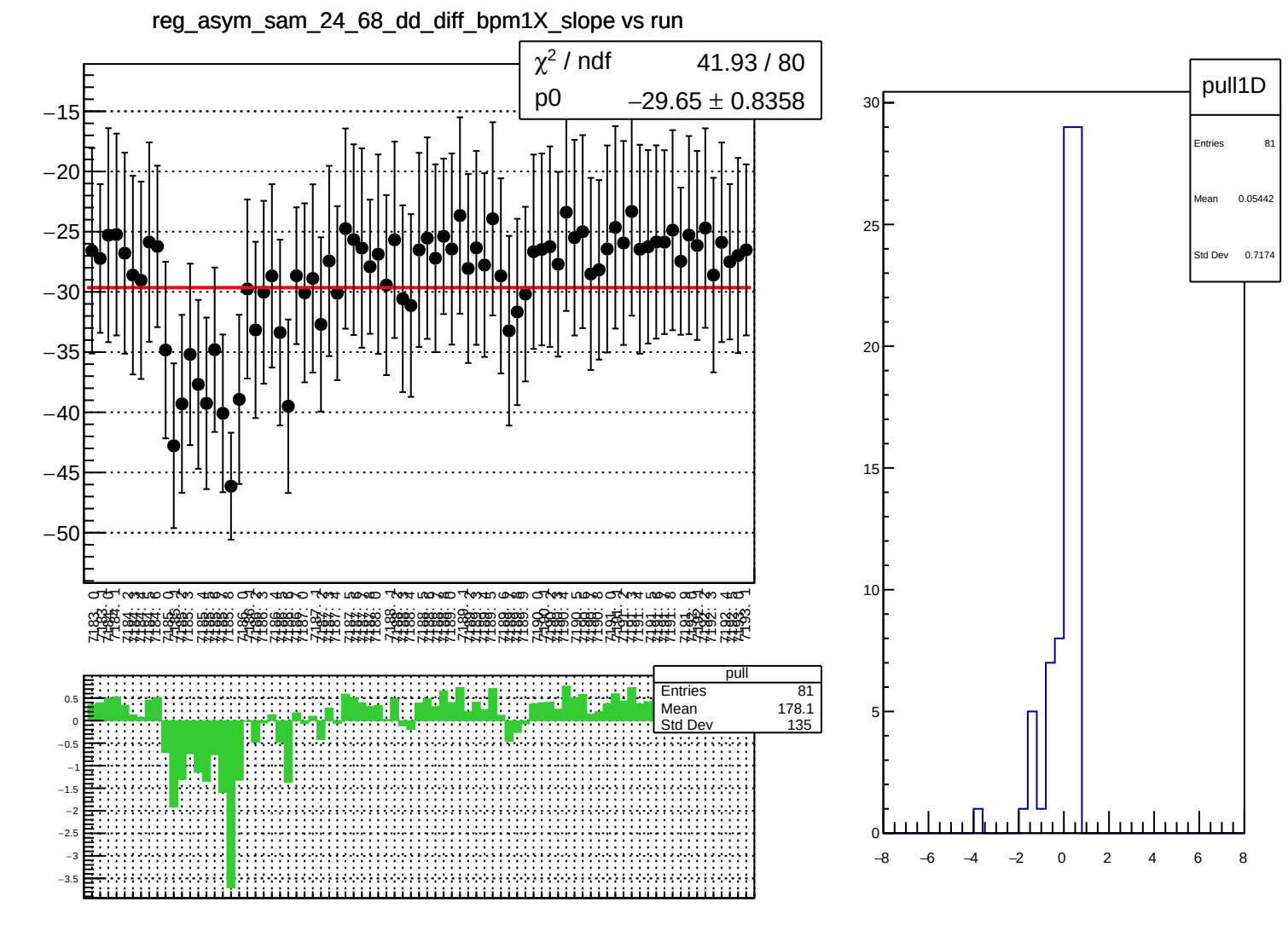

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.059 / 80
p0 −1.825 ± 0.1899
pull
Entries 81
Mean 1163
Std Dev 1122
pull1D
Entries 81
Mean 0.005038
Std Dev 0.3154

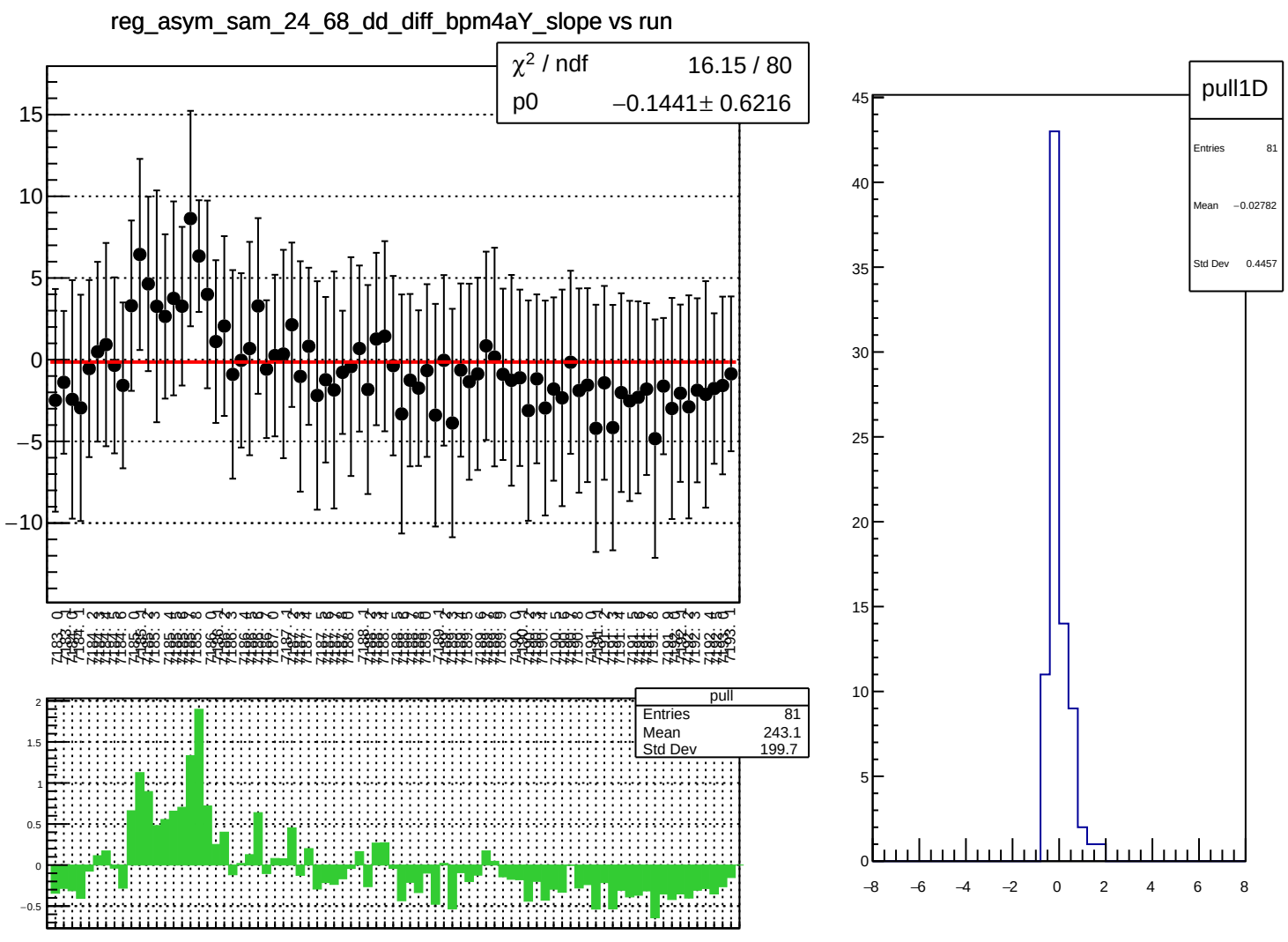

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.4 / 80
p0 20.87 ± 0.256
pull
Entries 81
Mean 35.56
Std Dev 26.52
pull1D
Entries 81
Mean 0.02032
Std Dev 0.4062

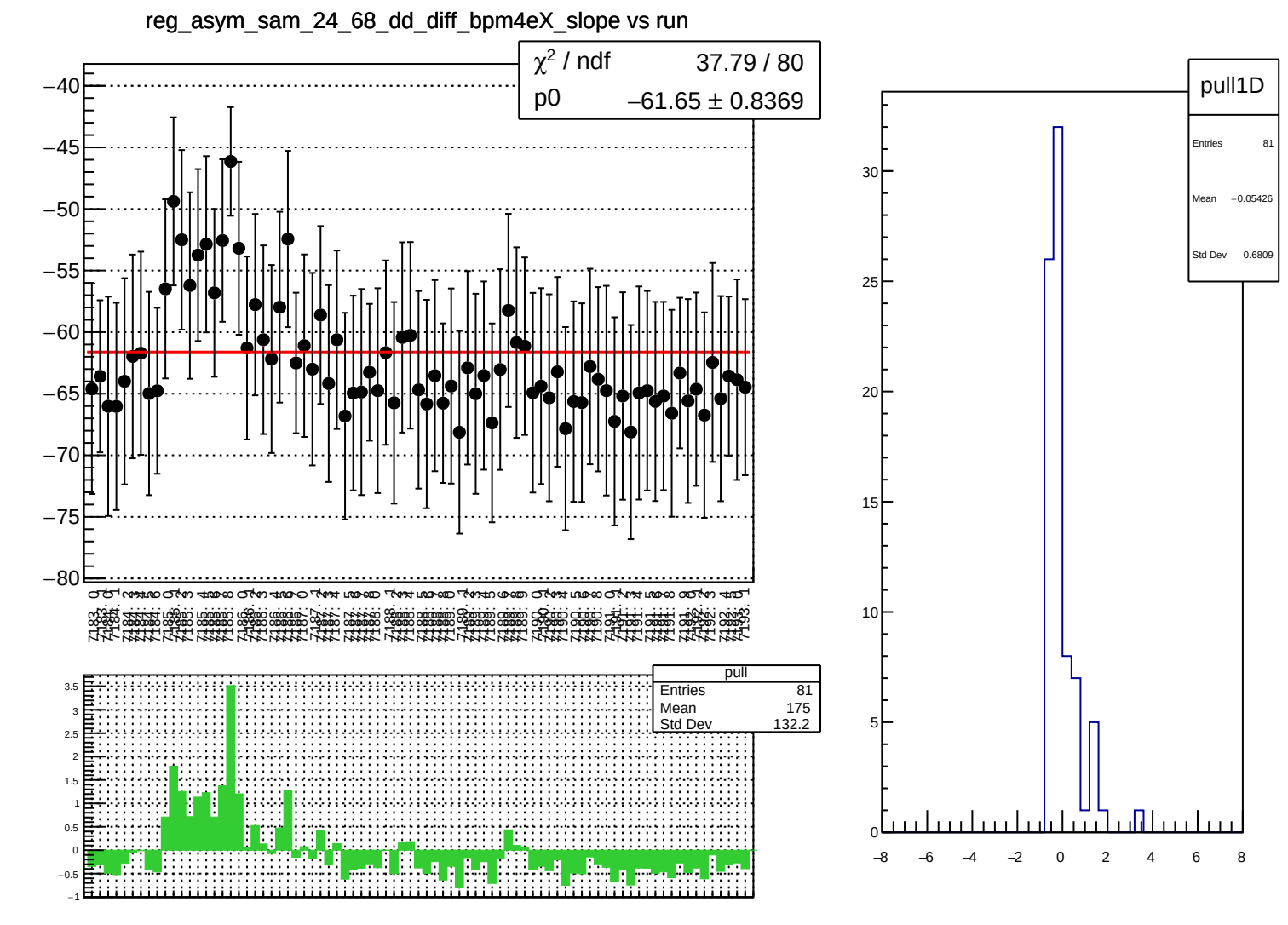

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.77 / 80
p0 22.72 ± 0.2065
pull
Entries 81
Mean 2041
Std Dev 1999
pull1D
Entries 81
Mean −0.003777
Std Dev 0.4413

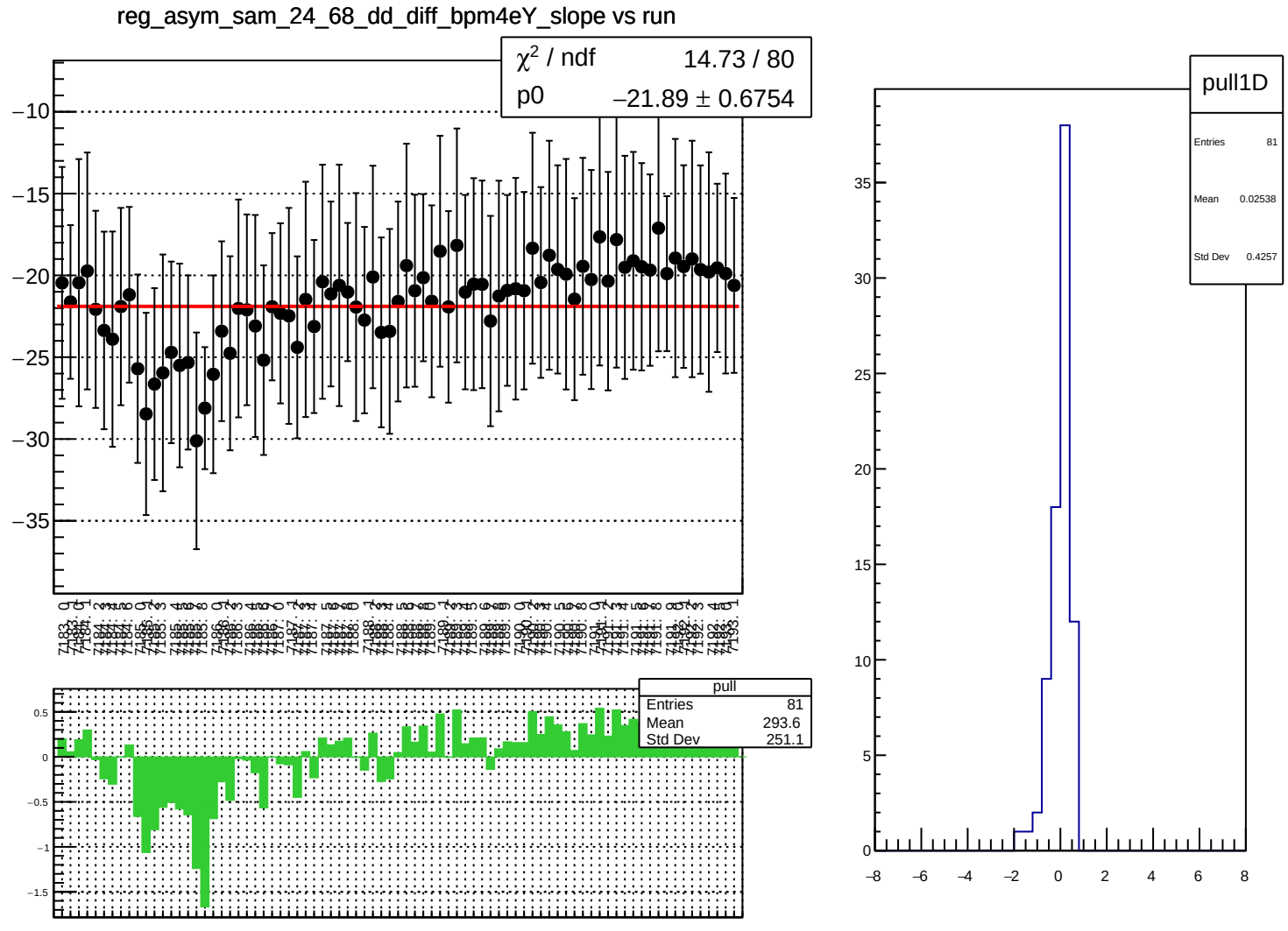

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.622 / 80
p0 −0.05091 ± 0.009334
pull
Entries 81
Mean −675.3
Std Dev 714.9

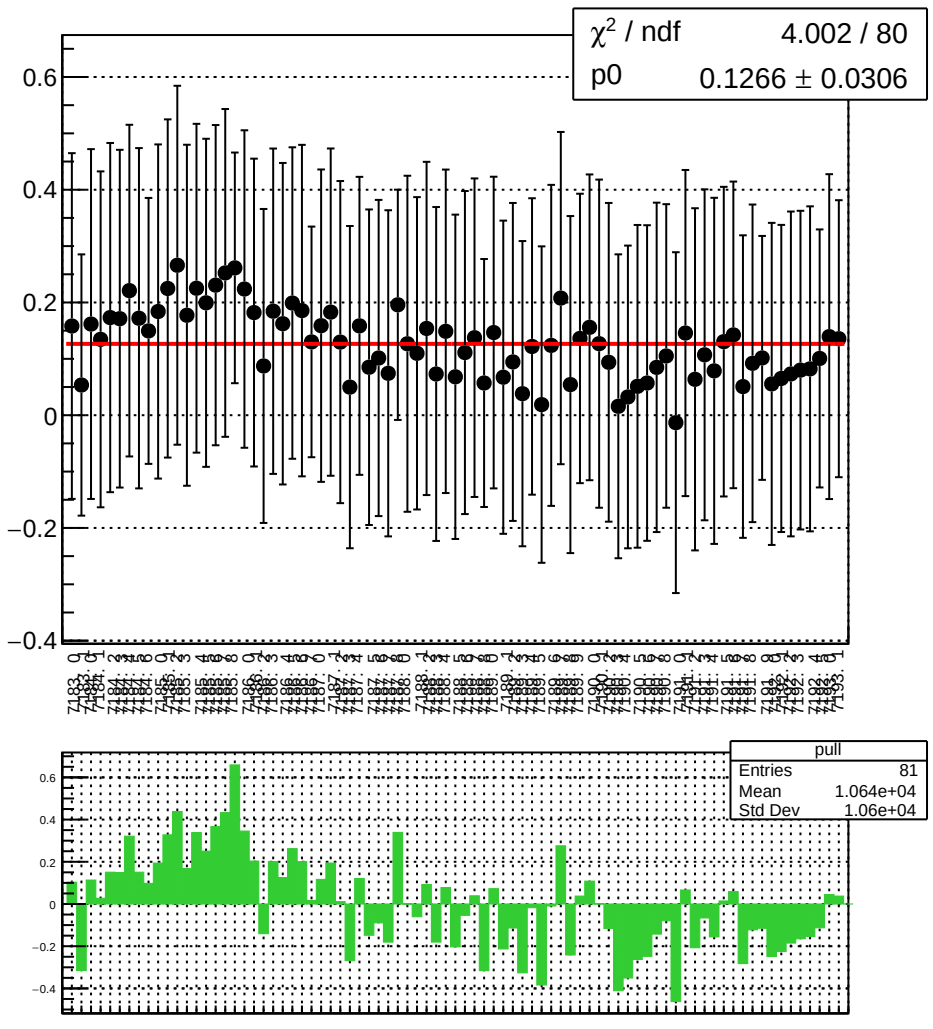

pull1D
Entries 81
Mean −0.006715
Std Dev 0.2858

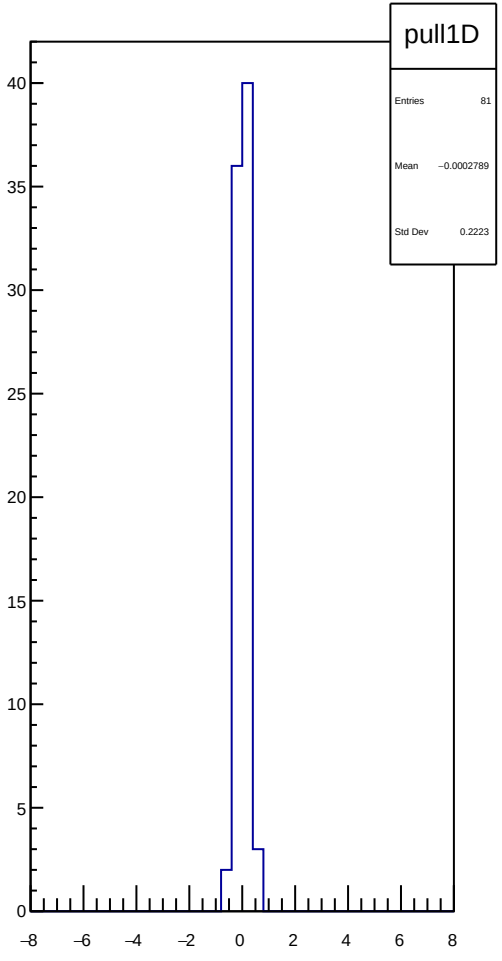

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 41.93 / 80
p0 −29.65 ± 0.8358
pull
Entries 81
Mean 178.1
Std Dev 135
pull1D
Entries 81
Mean 0.05442
Std Dev 0.7174

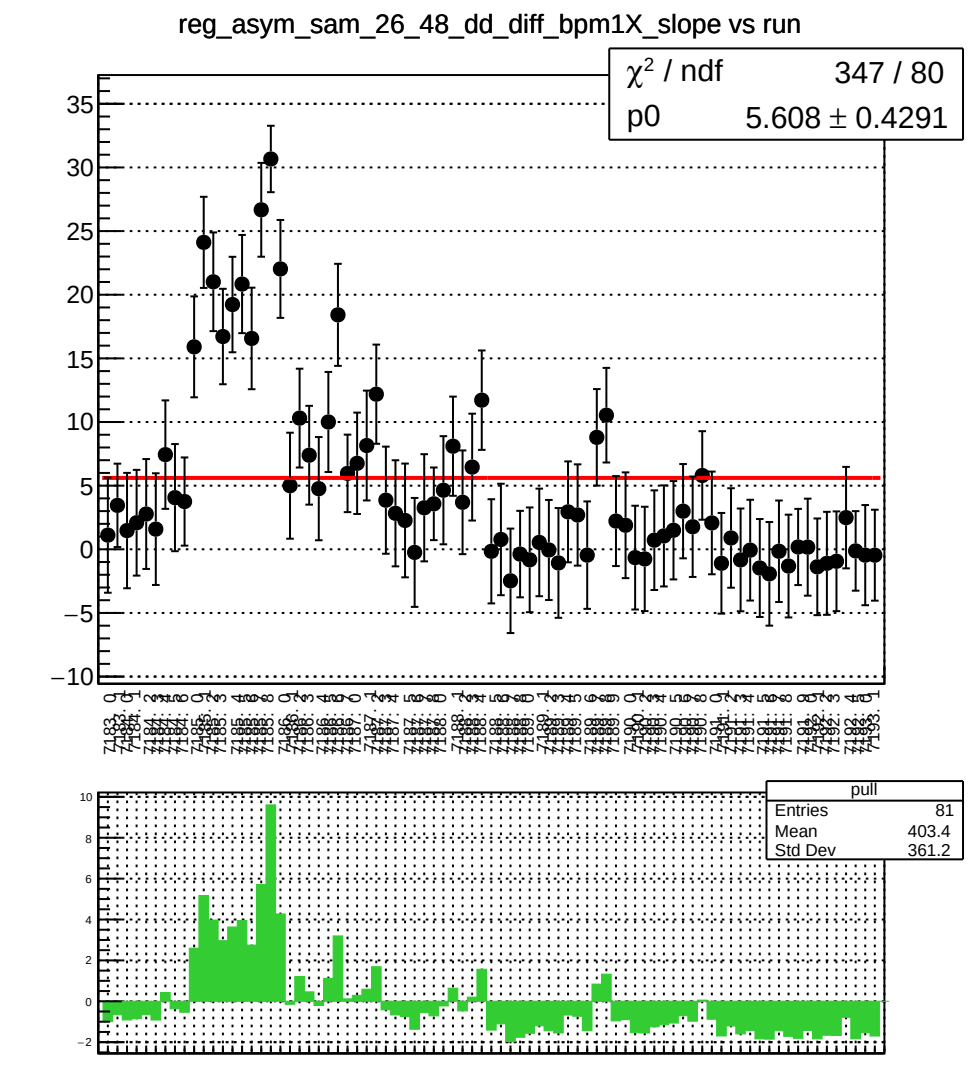

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.15 / 80
p0 −0.1441± 0.6216
pull
Entries 81
Mean 243.1
Std Dev 199.7
pull1D
Entries 81
Mean −0.02782
Std Dev 0.4457

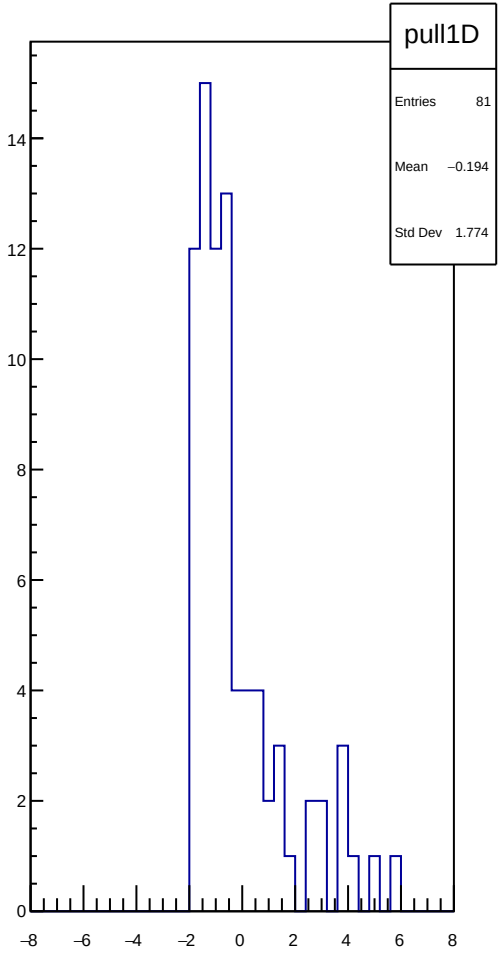

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.79 / 80
p0 −61.65 ± 0.8369
pull
Entries 81
Mean 175
Std Dev 132.2
pull1D
Entries 81
Mean −0.05426
Std Dev 0.6809

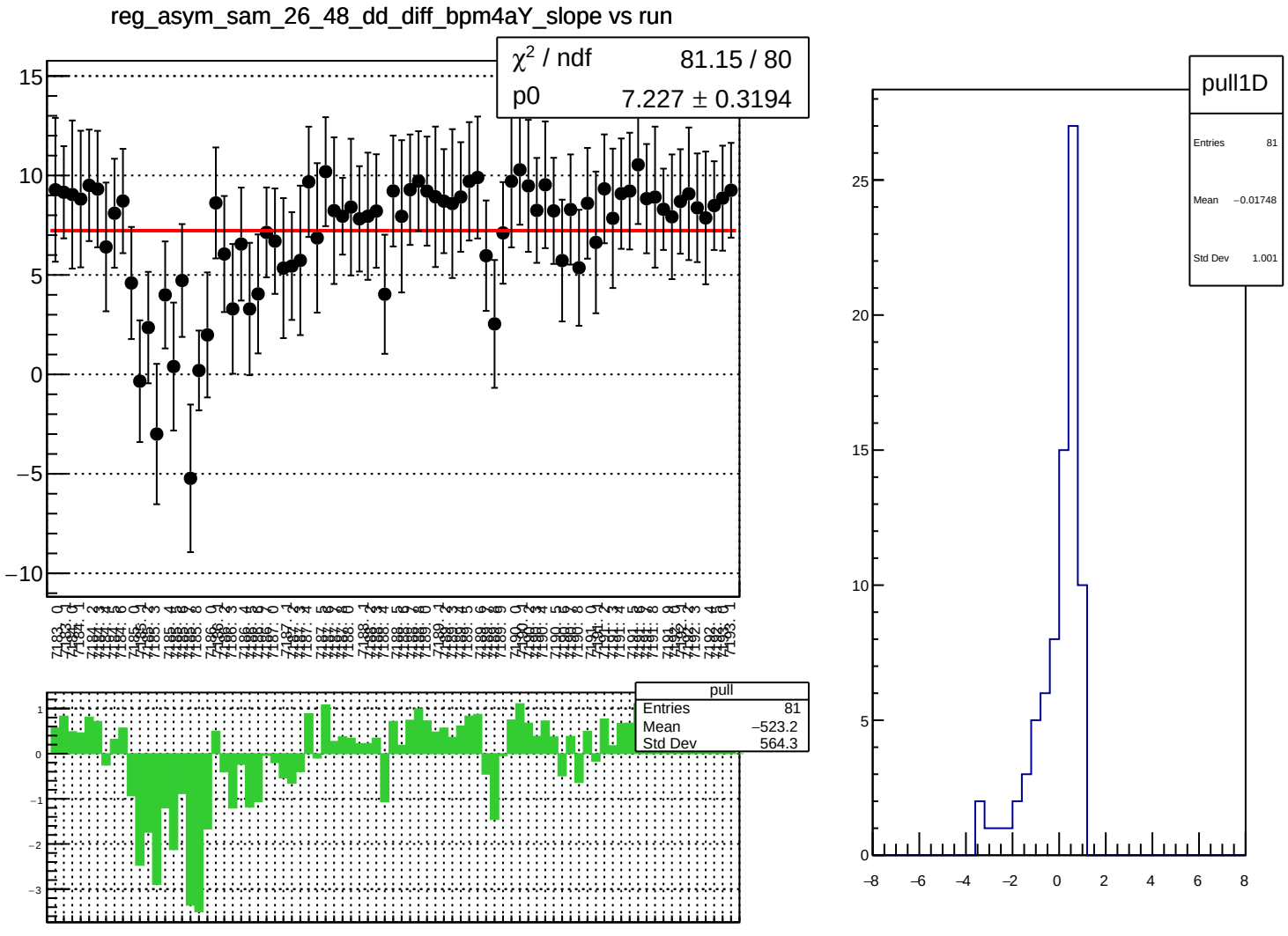

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.73 / 80
p0 −21.89 ± 0.6754
pull
Entries 81
Mean 293.6
Std Dev 251.1
pull1D
Entries 81
Mean 0.02538
Std Dev 0.4257

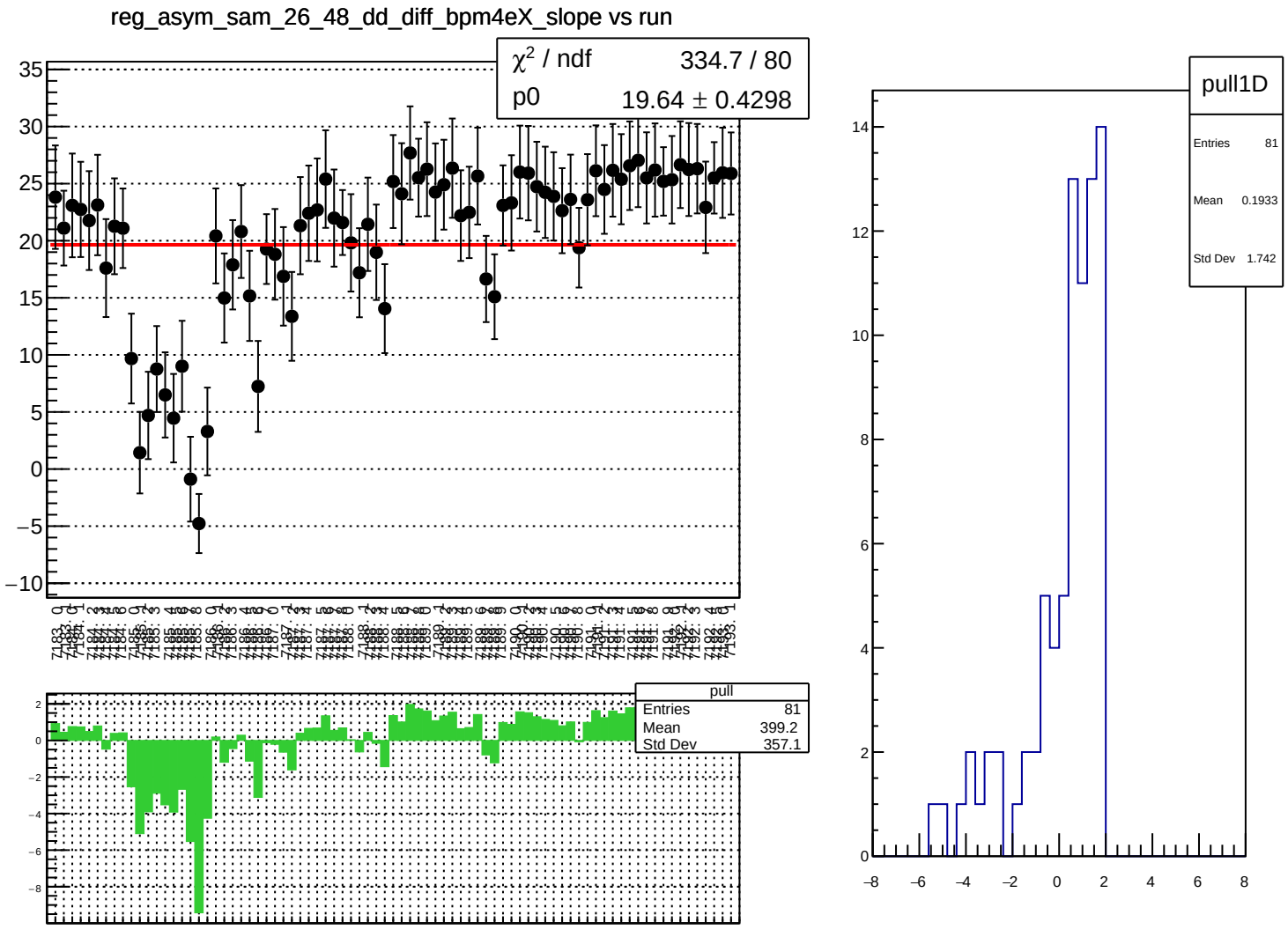

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 4.002 / 80
p0 0.1266 ± 0.0306
pull
Entries 81
Mean 1.064e+04
Std Dev 1.06e+04

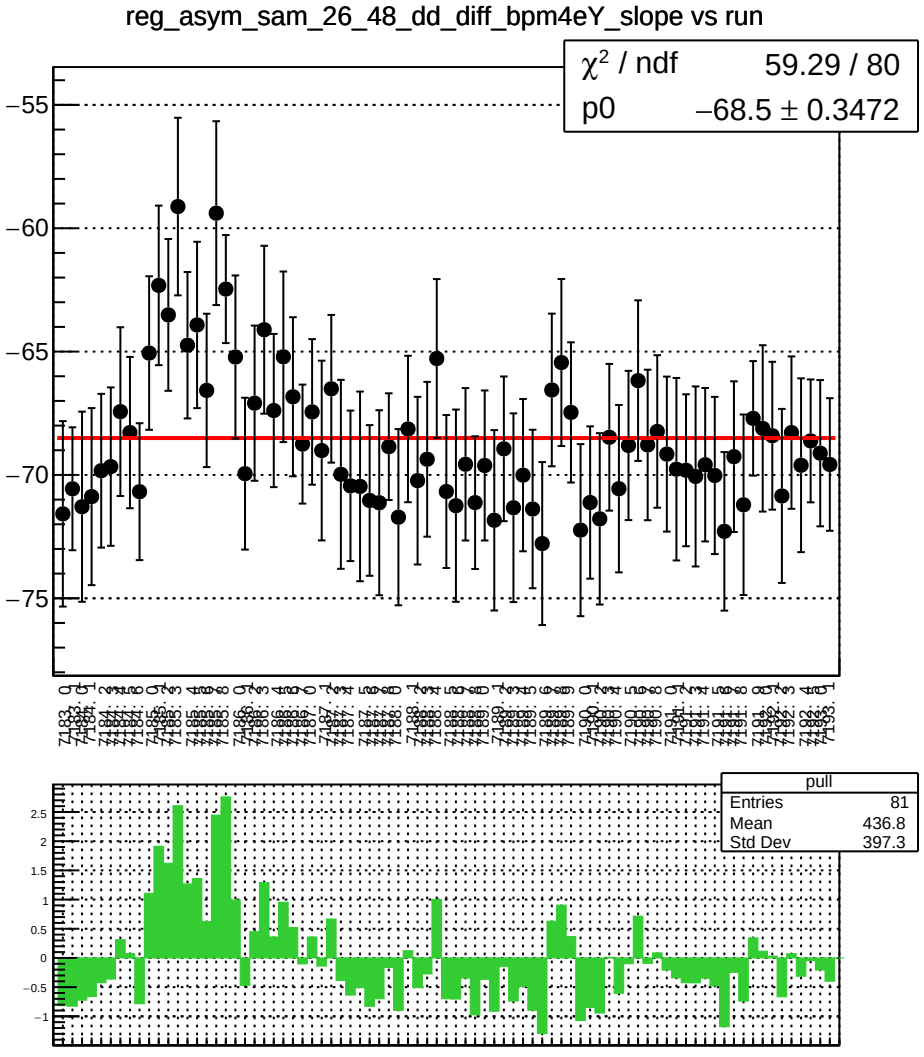

pull1D
Entries 81
Mean −0.0002789
Std Dev 0.2223

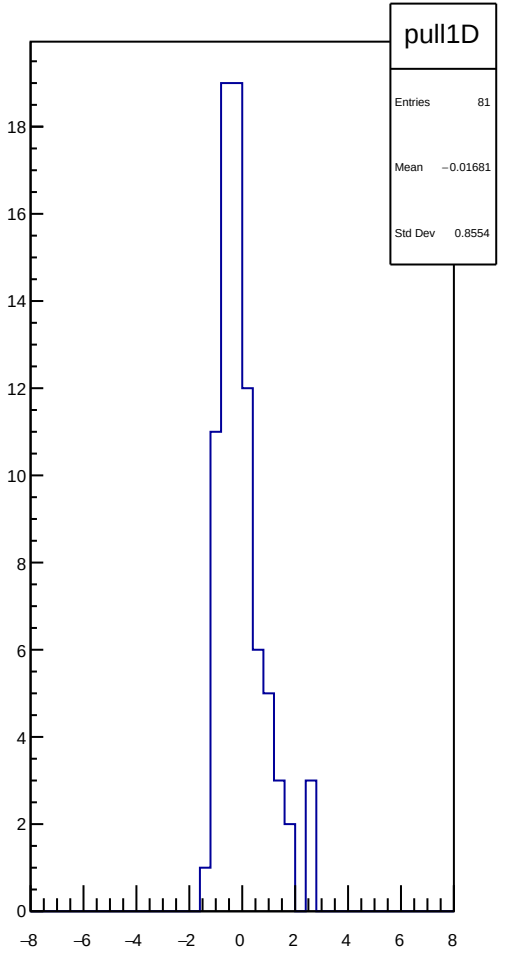

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 347 / 80
p0 5.608 ± 0.4291
pull
Entries 81
Mean 403.4
Std Dev 361.2

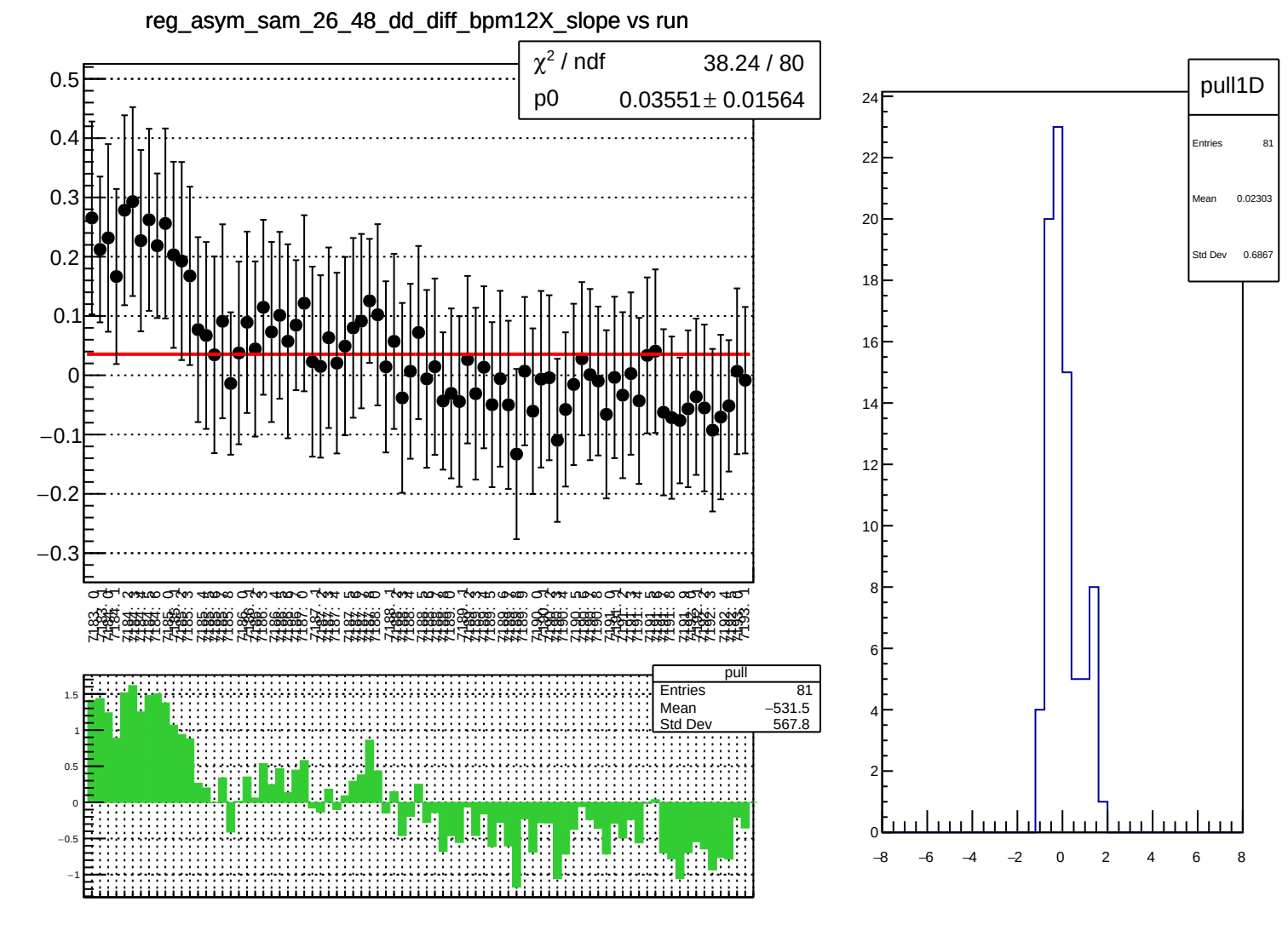

pull1D
Entries 81
Mean −0.194
Std Dev 1.774

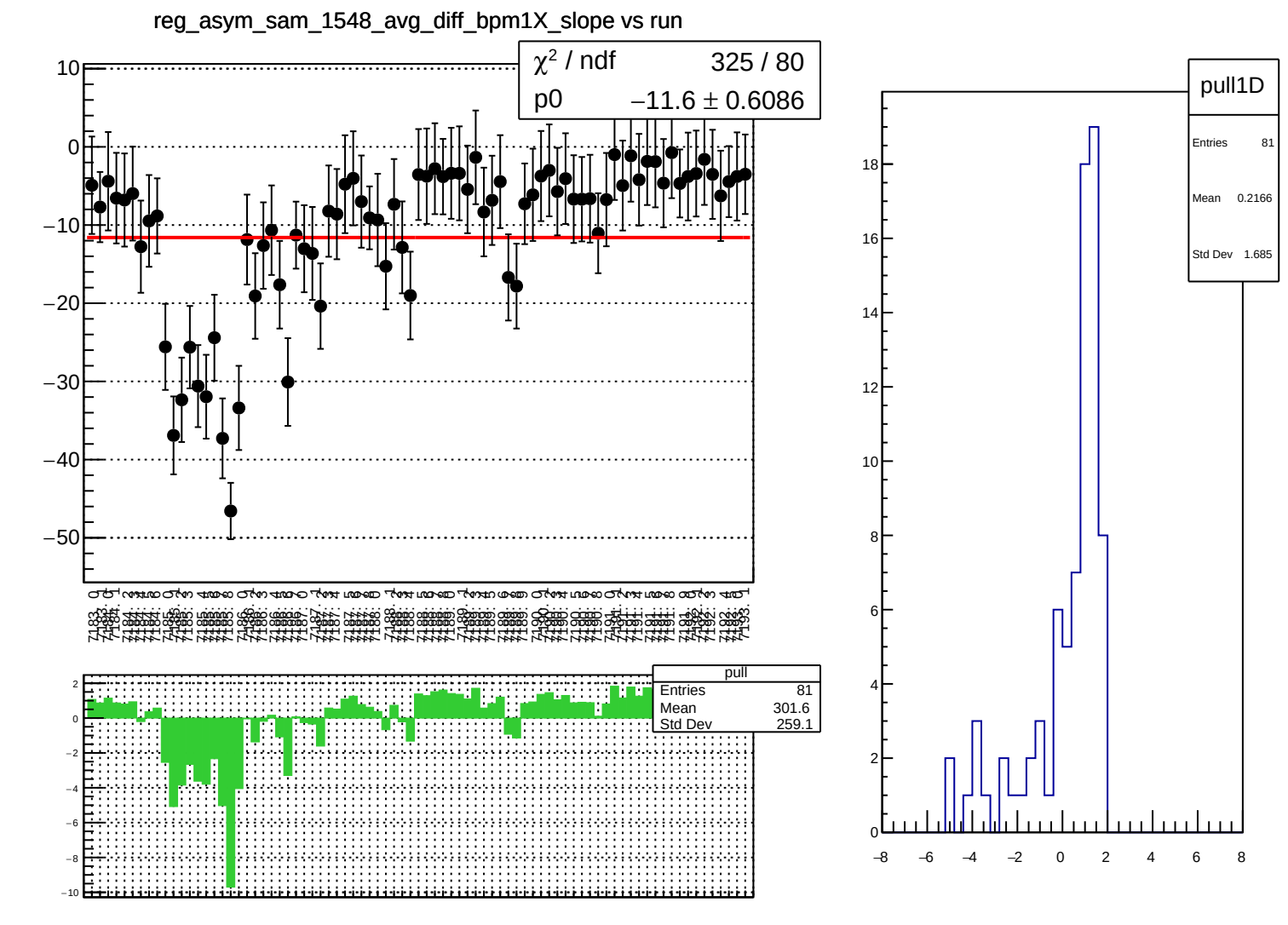

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.15 / 80
p0 7.227 ± 0.3194
pull
Entries 81
Mean −523.2
Std Dev 564.3
pull1D
Entries 81
Mean −0.01748
Std Dev 1.001

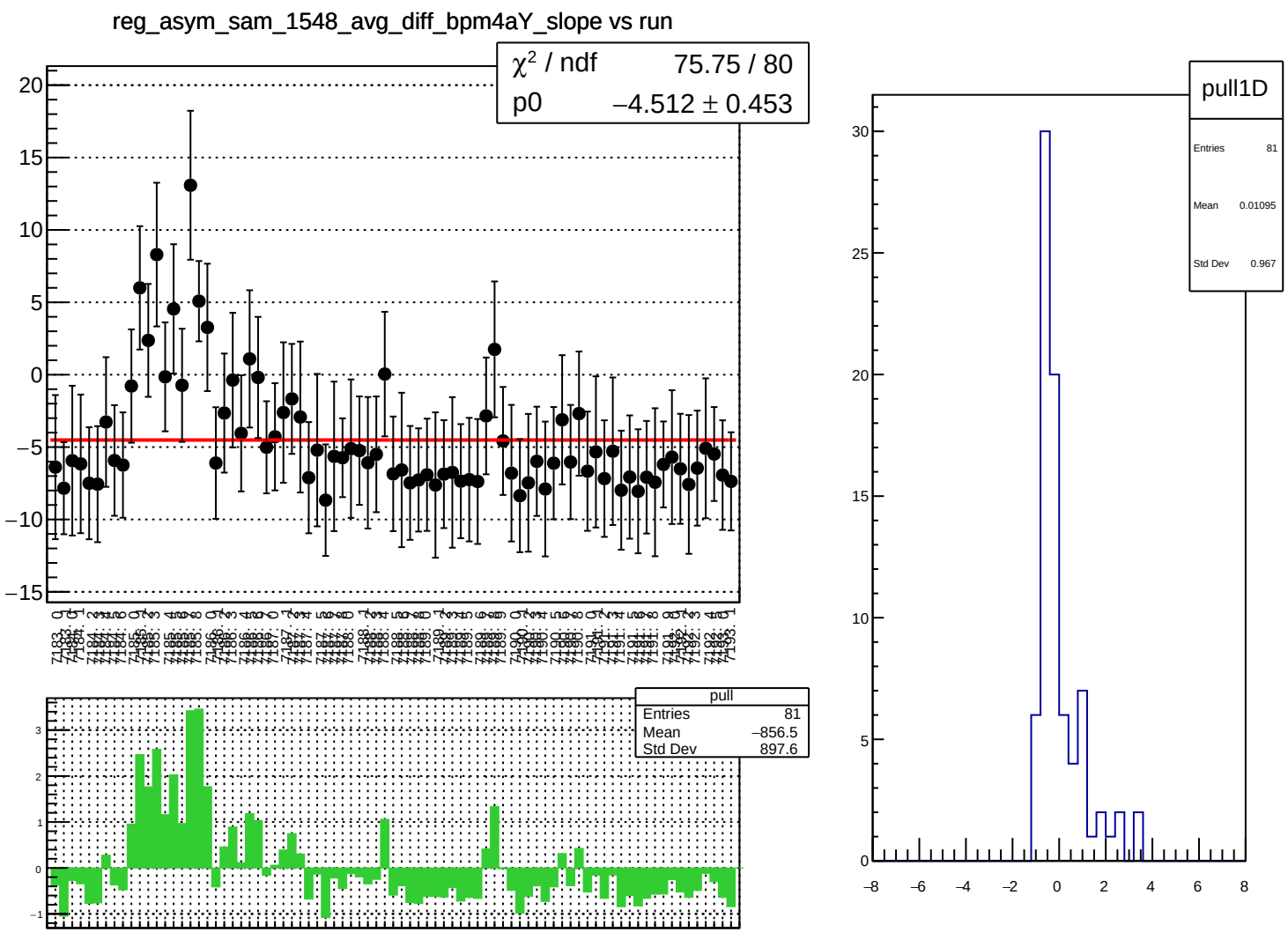

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 334.7 / 80
p0 19.64 ± 0.4298
pull
Entries 81
Mean 399.2
Std Dev 357.1
pull1D
Entries 81
Mean 0.1933
Std Dev 1.742

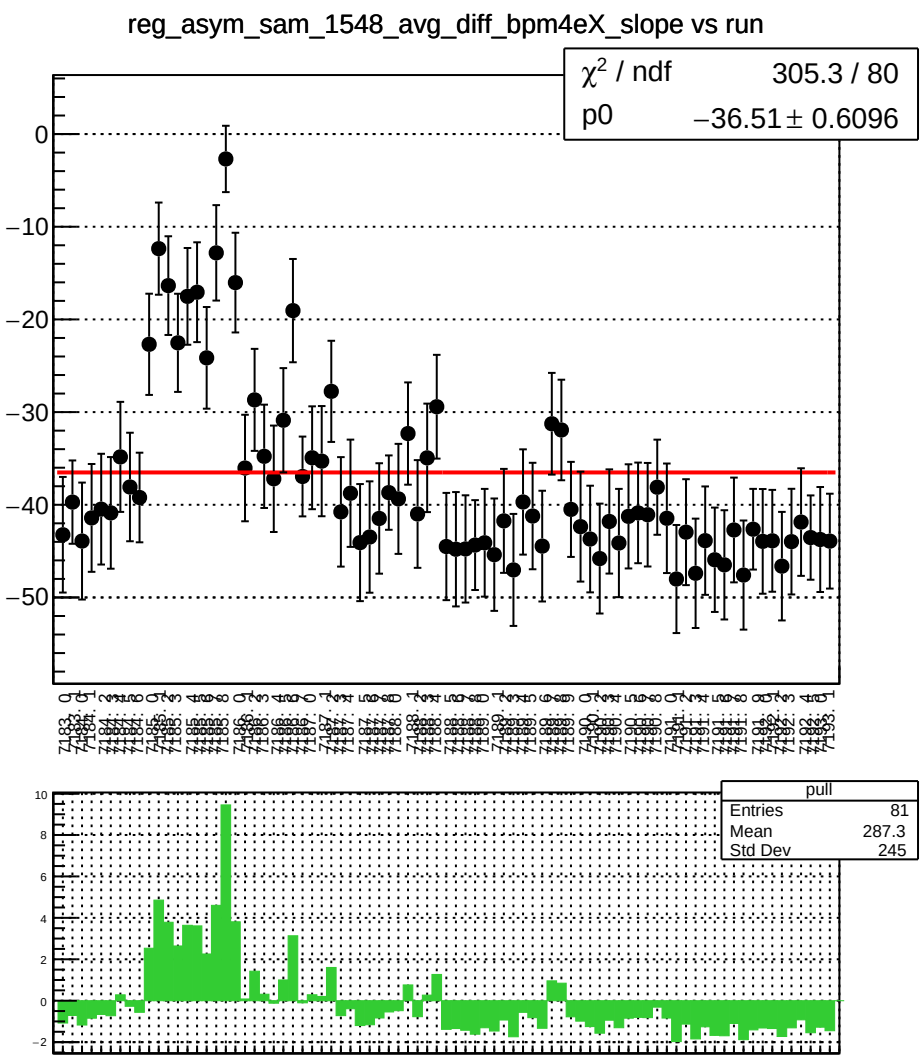

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.29 / 80
p0 −68.5 ± 0.3472
pull
Entries 81
Mean 436.8
Std Dev 397.3

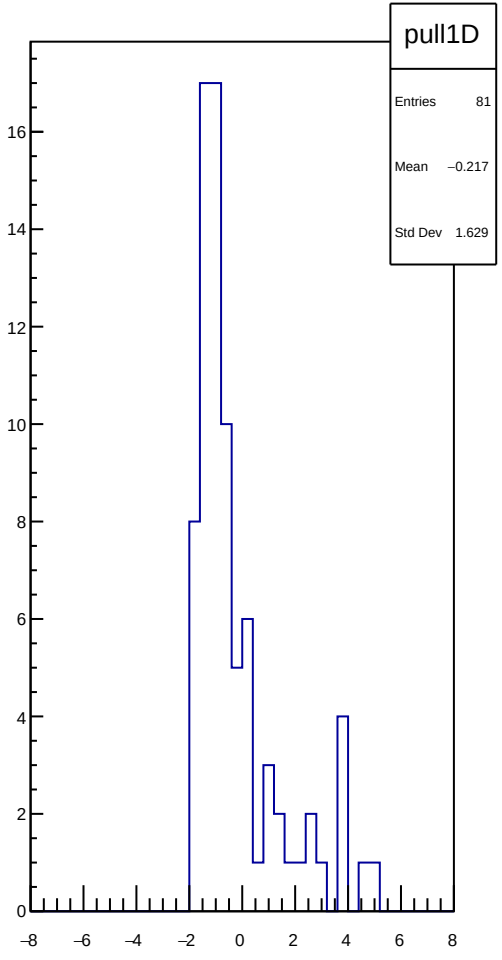

pull1D
Entries 81
Mean −0.01681
Std Dev 0.8554

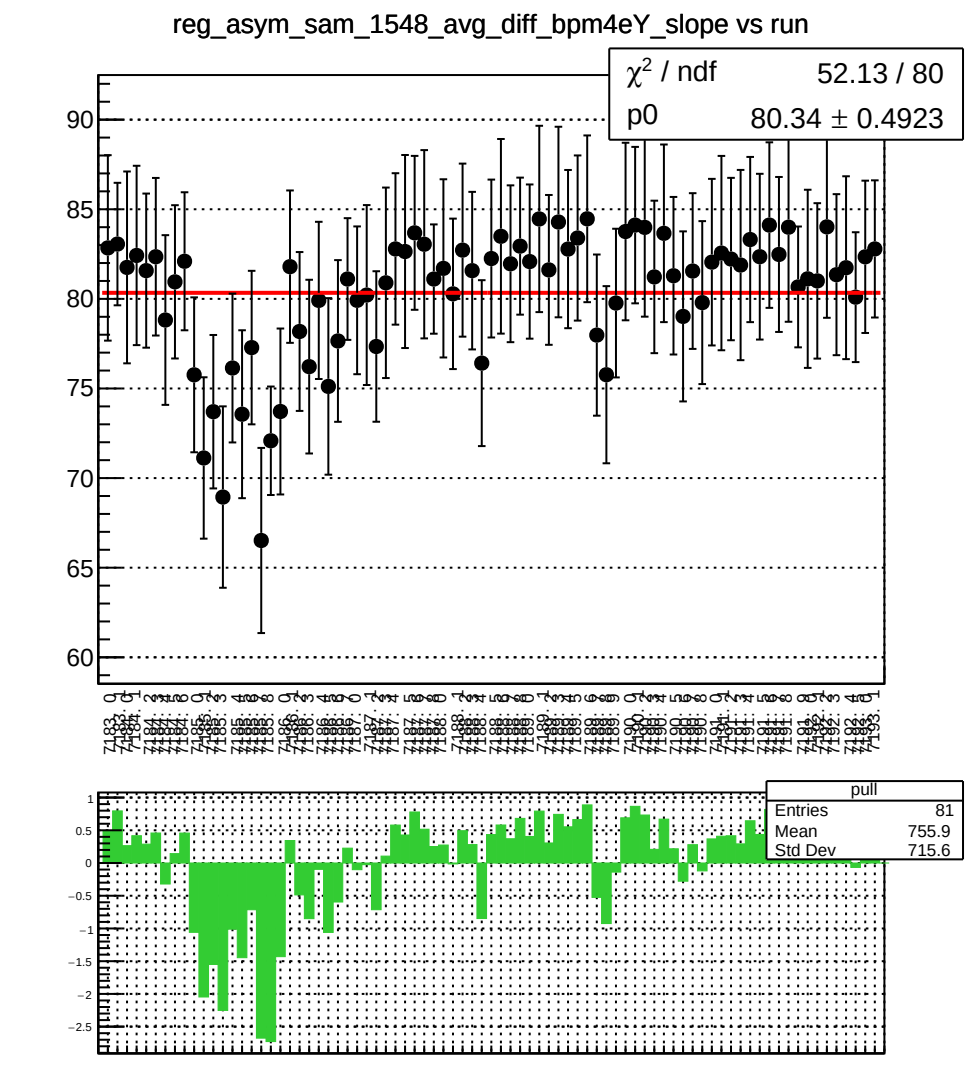

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 38.24 / 80
p0 0.03551 ± 0.01564
pull
Entries 81
Mean −531.5
Std Dev 567.8
pull1D
Entries 81
Mean 0.02303
Std Dev 0.6867

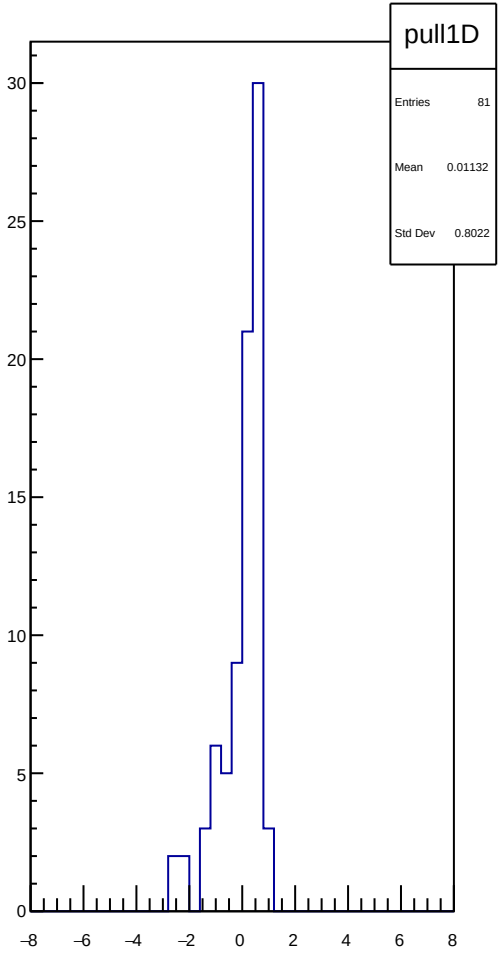

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 325 / 80
p0 −11.6 ± 0.6086
pull
Entries 81
Mean 301.6
Std Dev 259.1
pull1D
Entries 81
Mean 0.2166
Std Dev 1.685

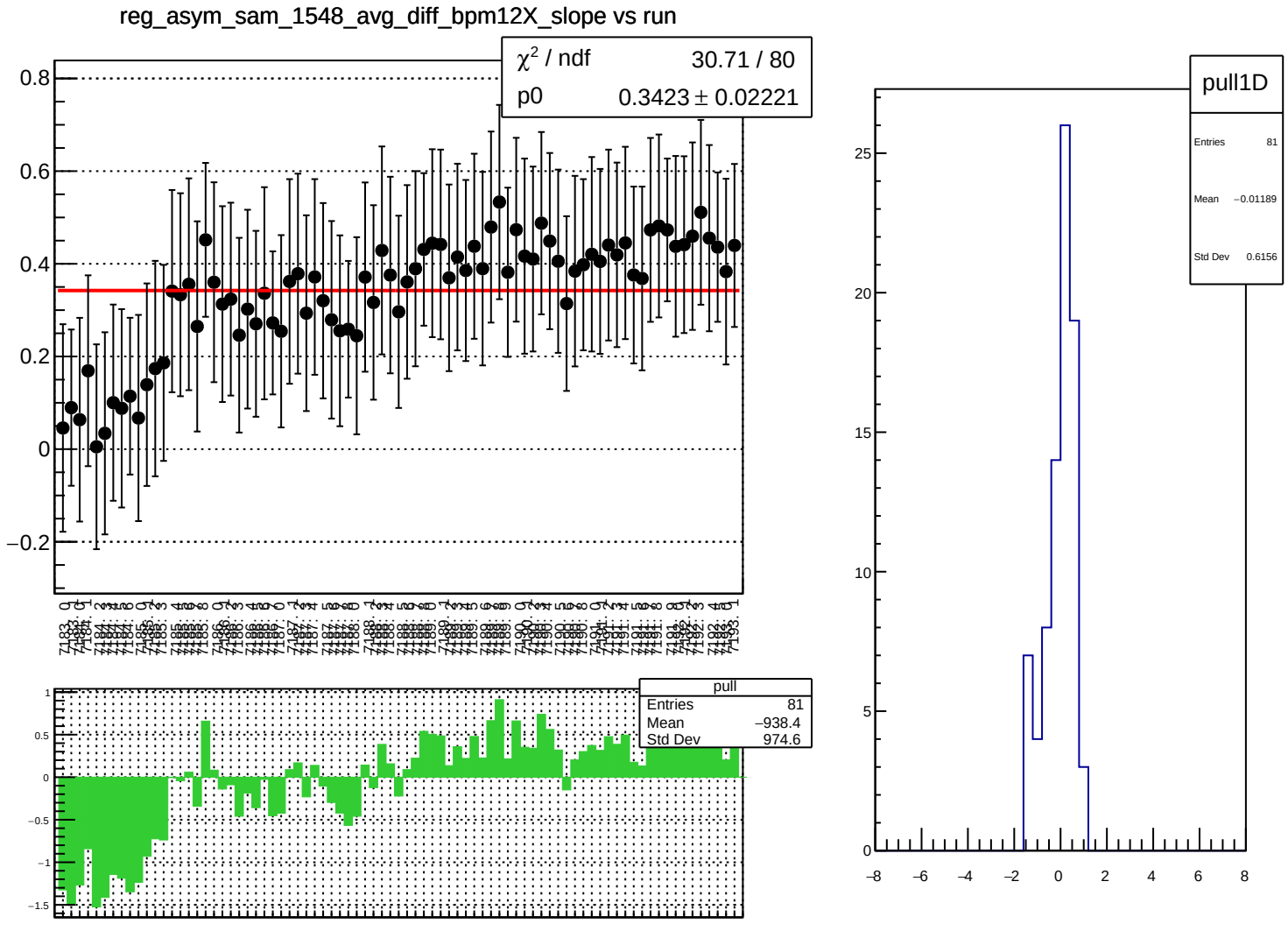

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 75.75 / 80
p0 −4.512 ± 0.453
pull
Entries 81
Mean −856.5
Std Dev 897.6
pull1D
Entries 81
Mean 0.01095
Std Dev 0.967

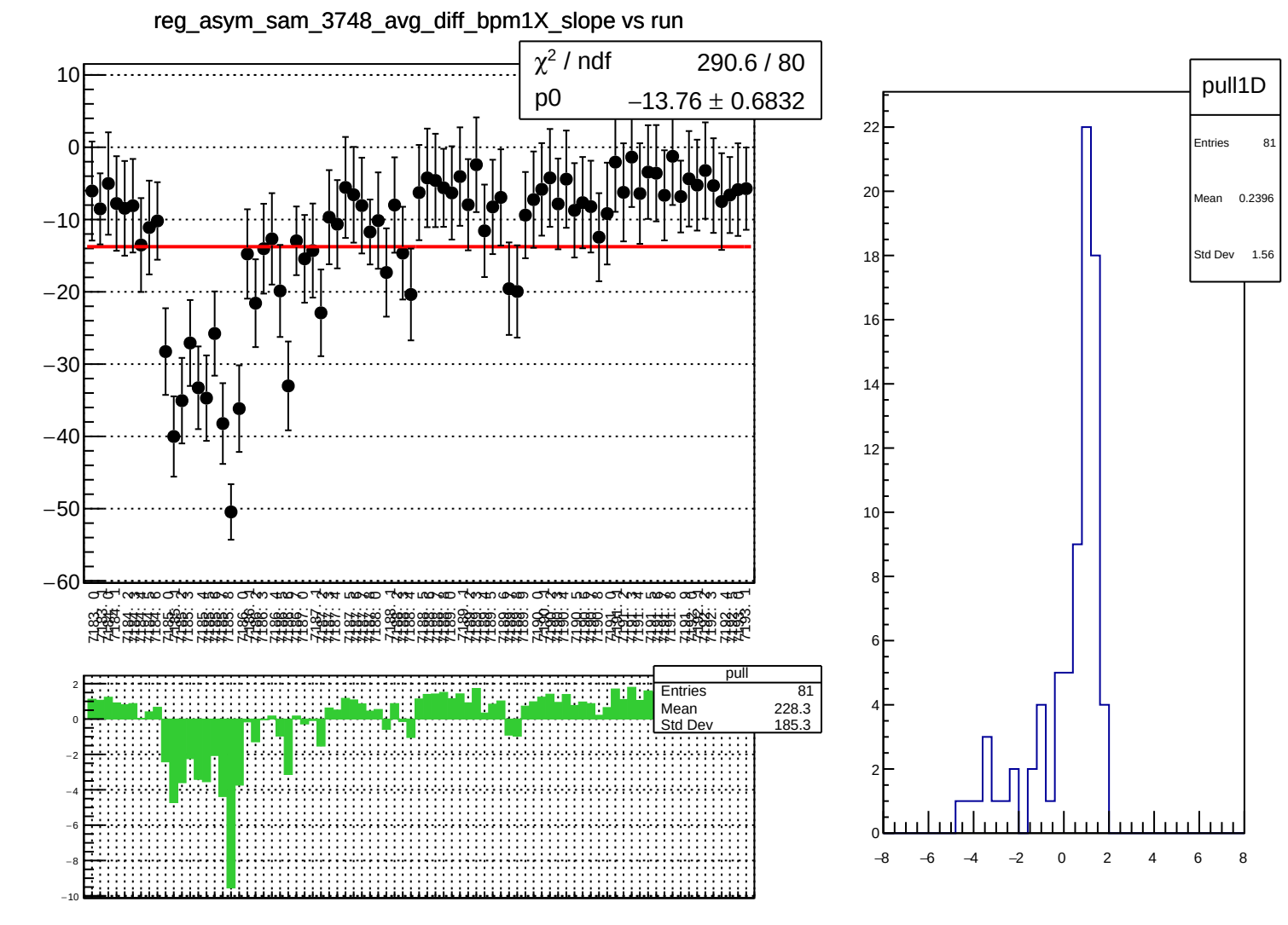

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 305.3 / 80
p0 −36.51 ± 0.6096
pull
Entries 81
Mean 287.3
Std Dev 245

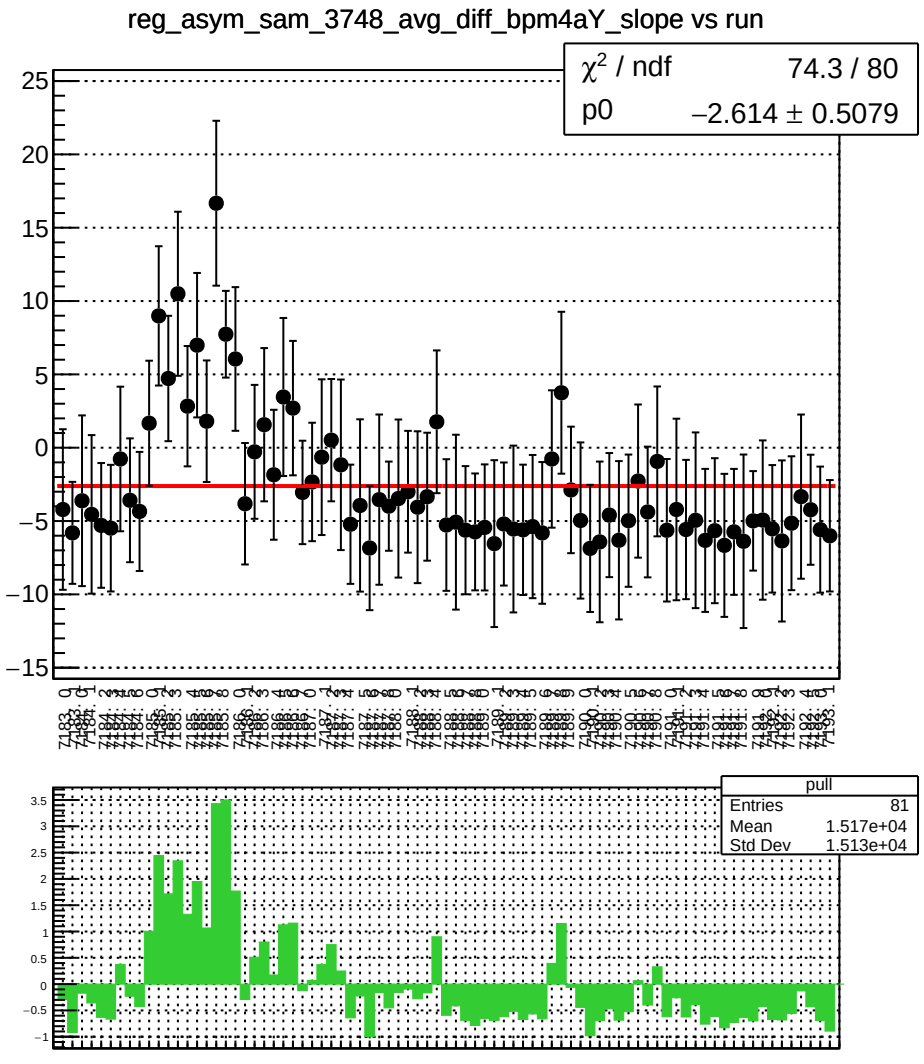

pull1D
Entries 81
Mean −0.217
Std Dev 1.629

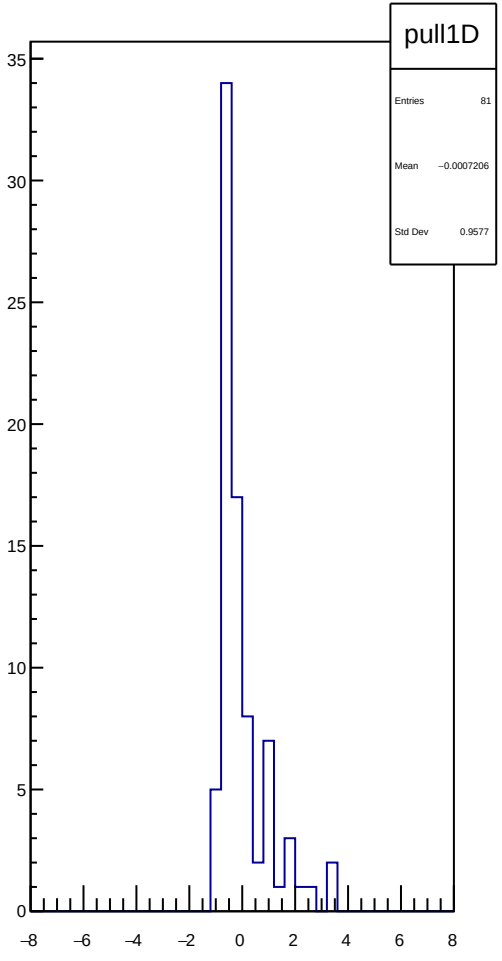

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.13 / 80
p0 80.34 ± 0.4923
pull
Entries 81
Mean 755.9
Std Dev 715.6

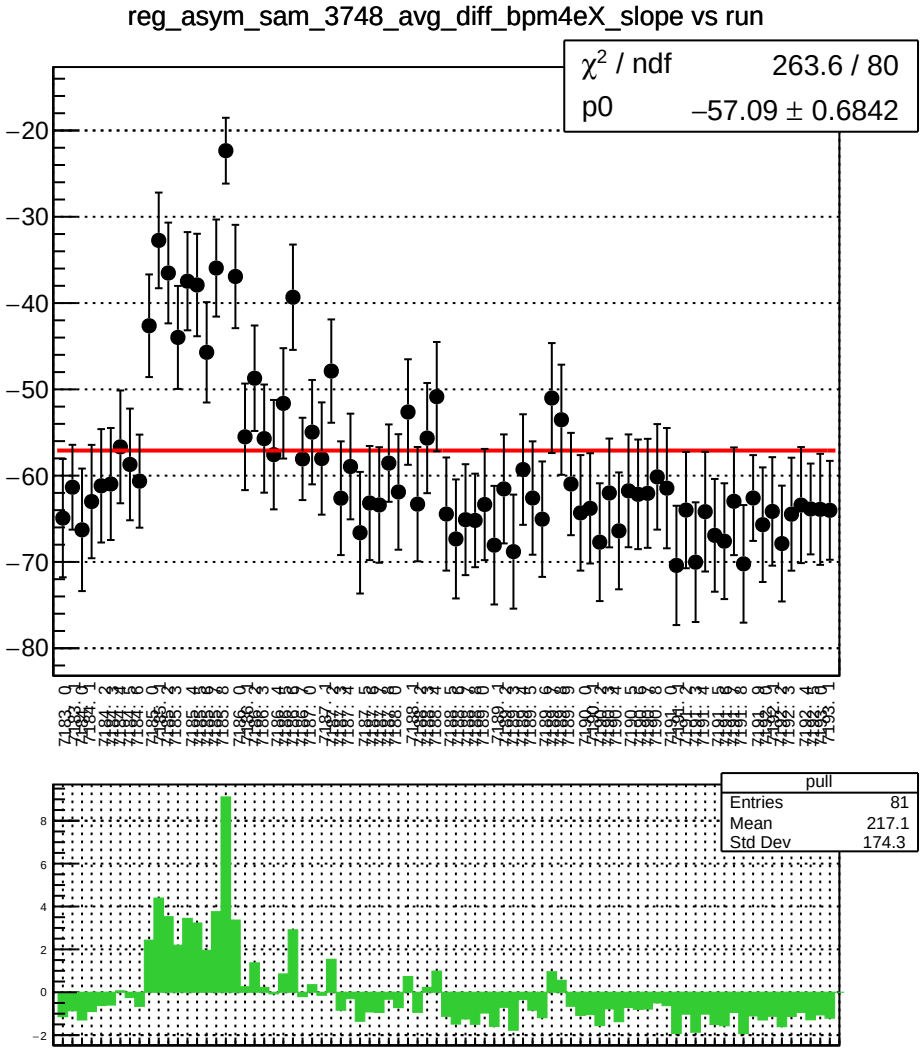

pull1D
Entries 81
Mean 0.01132
Std Dev 0.8022

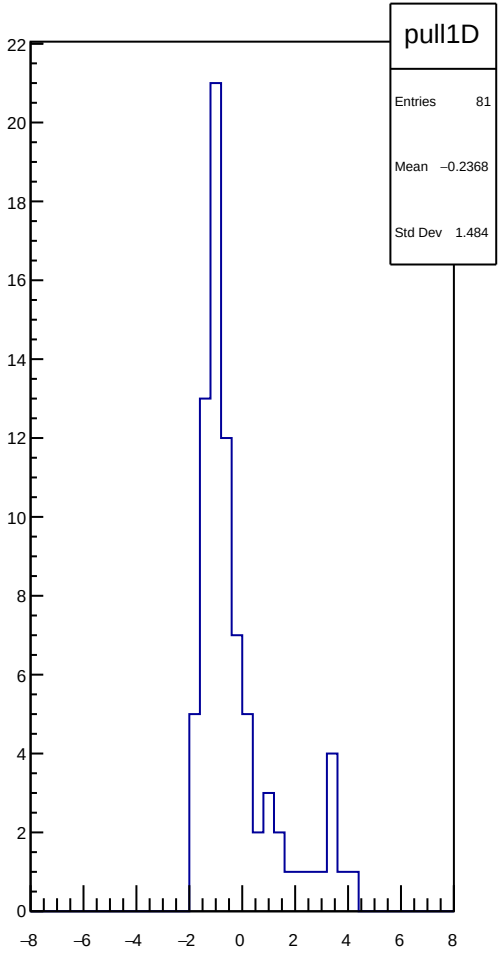

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 30.71 / 80
p0 0.3423 ± 0.02221
pull
Entries 81
Mean −938.4
Std Dev 974.6
pull1D
Entries 81
Mean −0.01189
Std Dev 0.6156

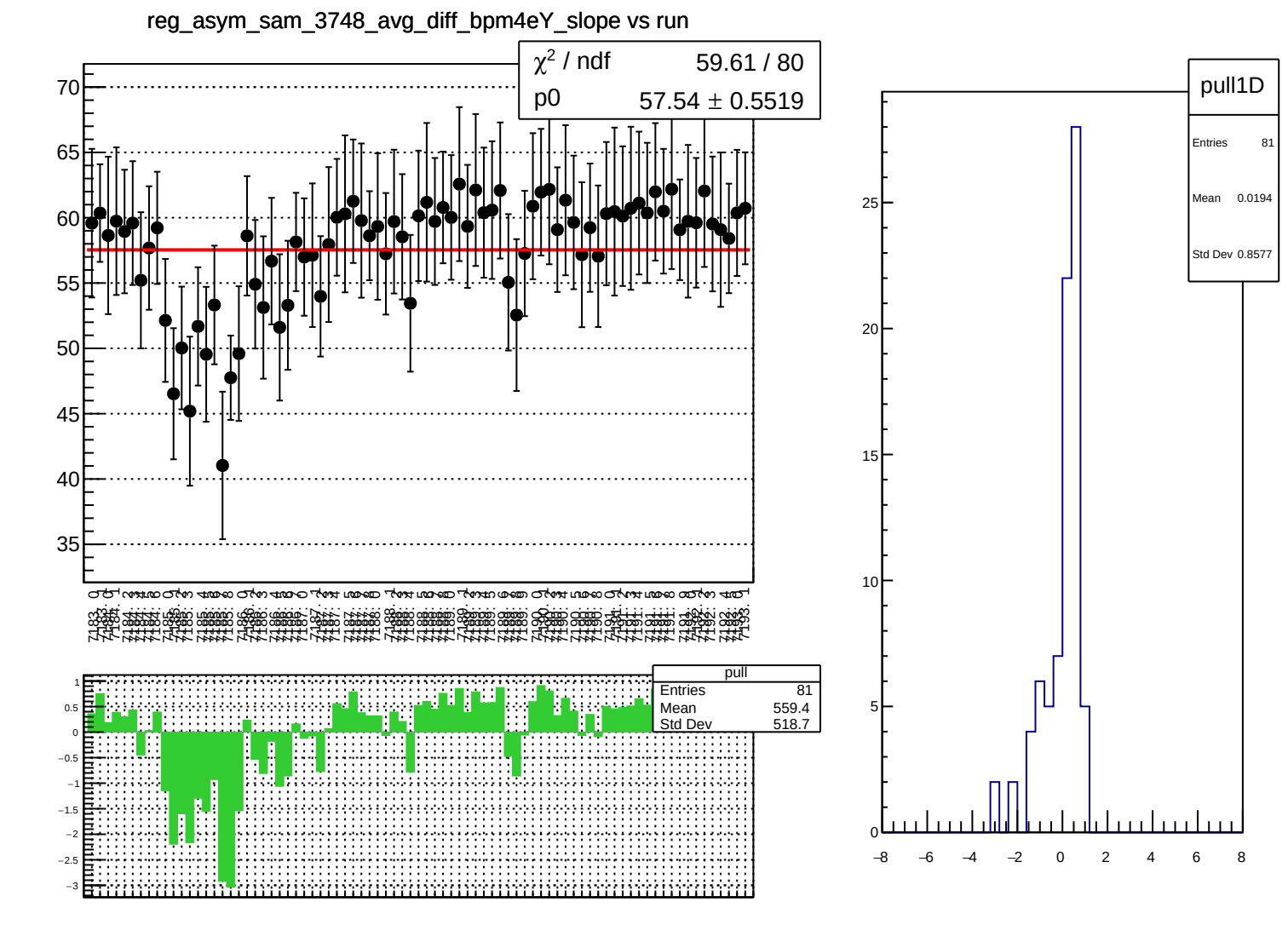

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 290.6 / 80
p0 −13.76 ± 0.6832
pull
Entries 81
Mean 228.3
Std Dev 185.3
pull1D
Entries 81
Mean 0.2396
Std Dev 1.56

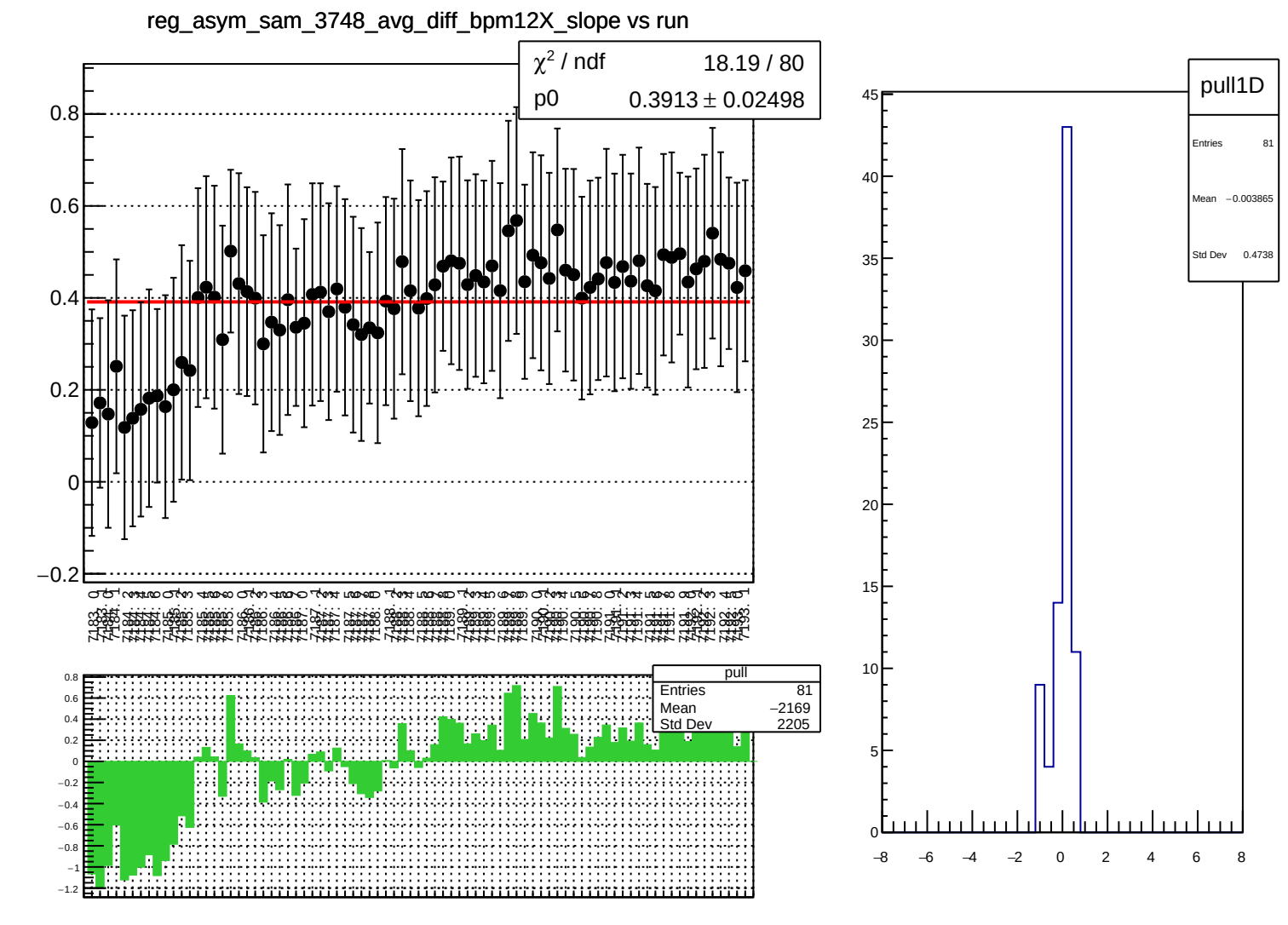

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.3 / 80
p0 −2.614 ± 0.5079
pull
Entries 81
Mean 1.517e+04
Std Dev 1.513e+04

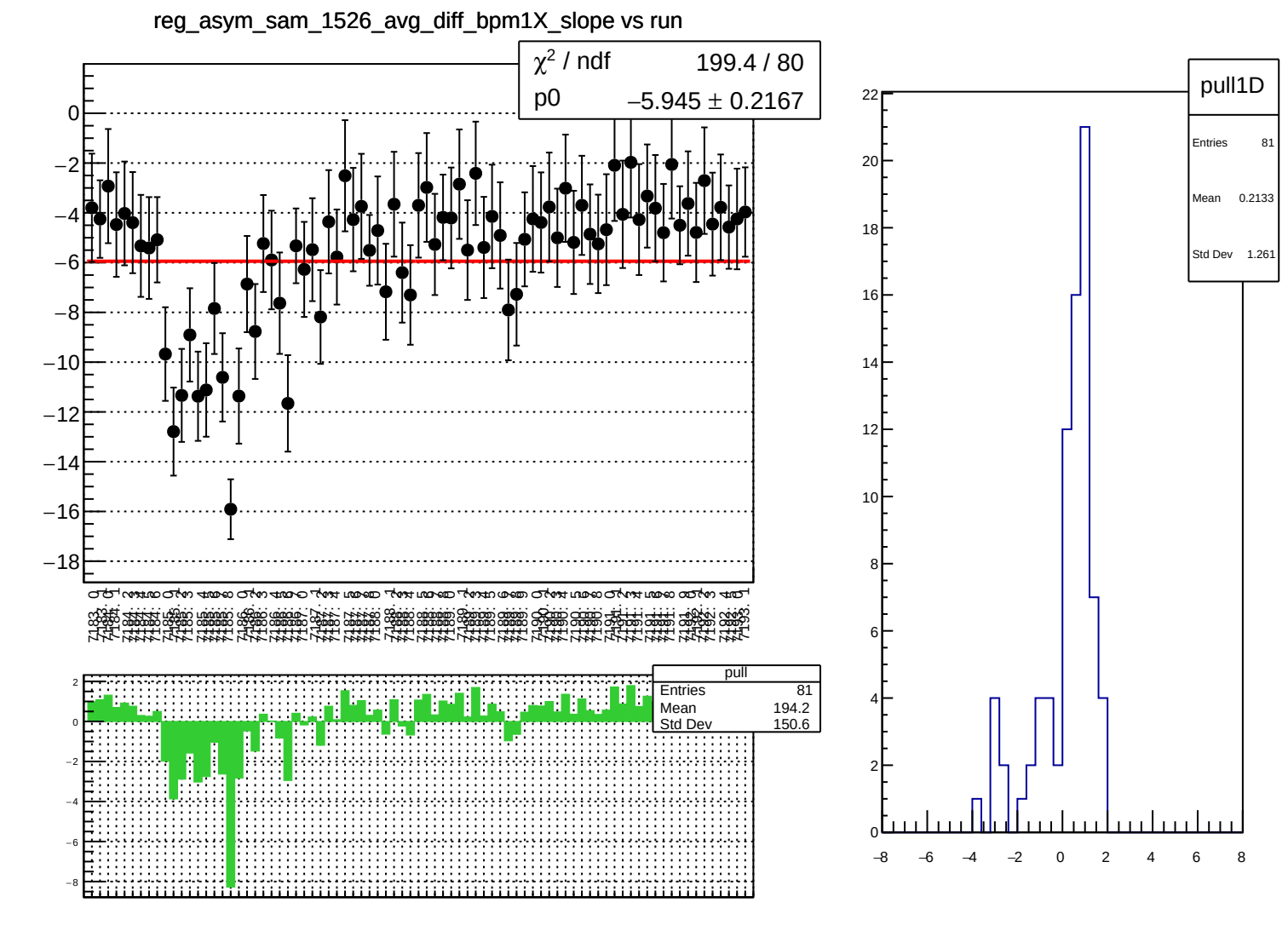

pull1D
Entries 81
Mean −0.0007206
Std Dev 0.9577

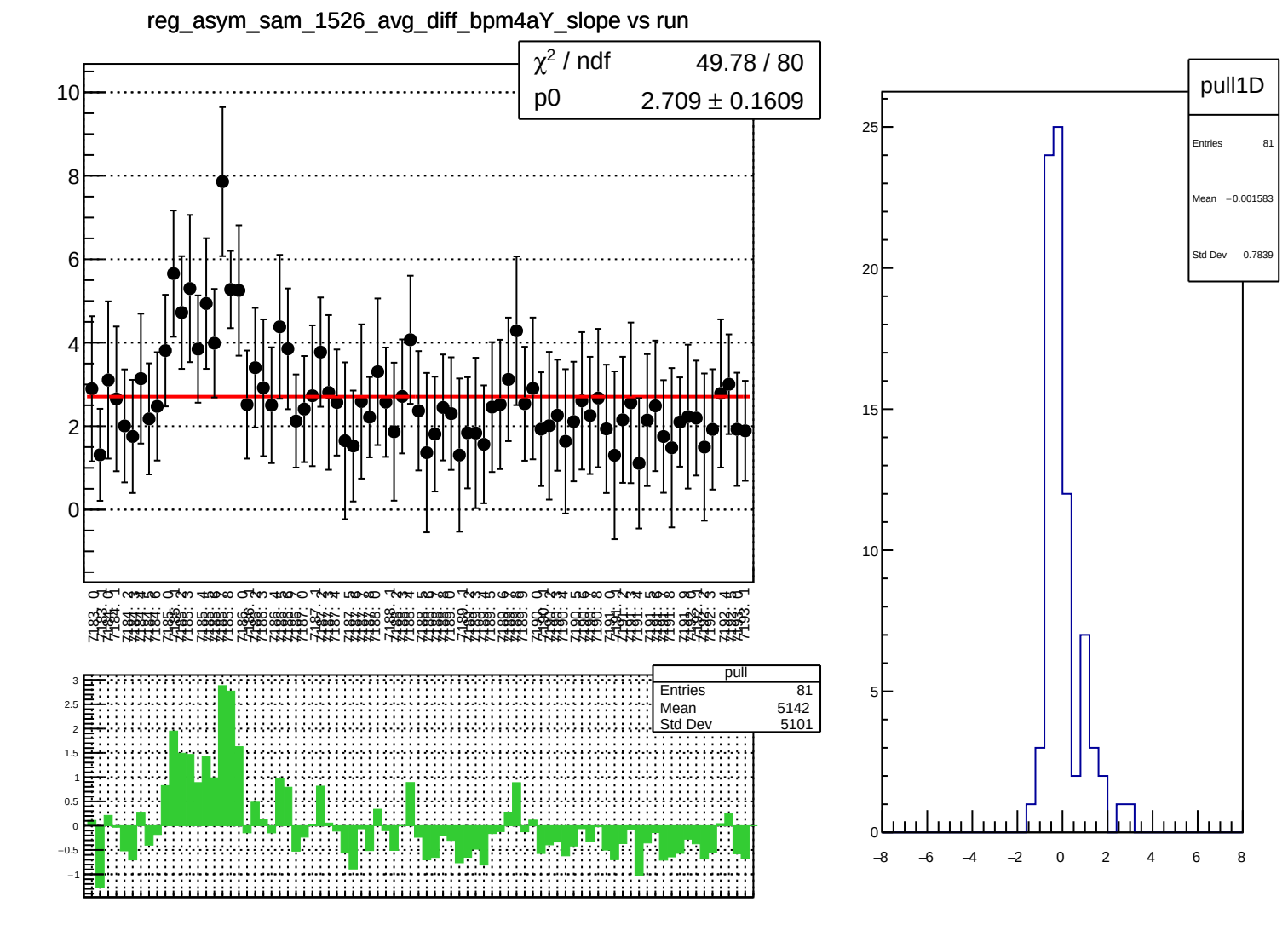

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 263.6 / 80
p0 −57.09 ± 0.6842
pull
Entries 81
Mean 217.1
Std Dev 174.3

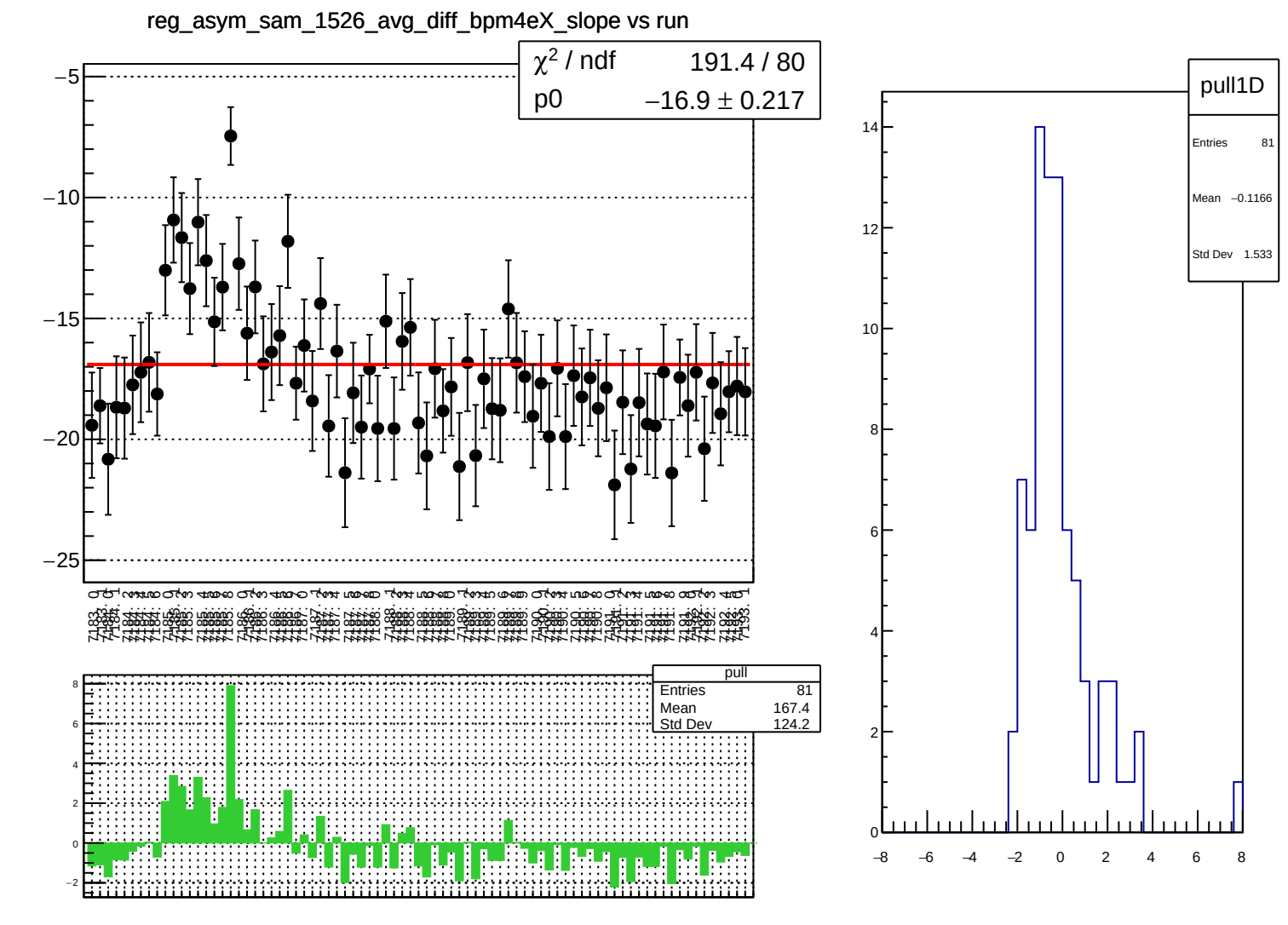

pull1D
Entries 81
Mean −0.2368
Std Dev 1.484

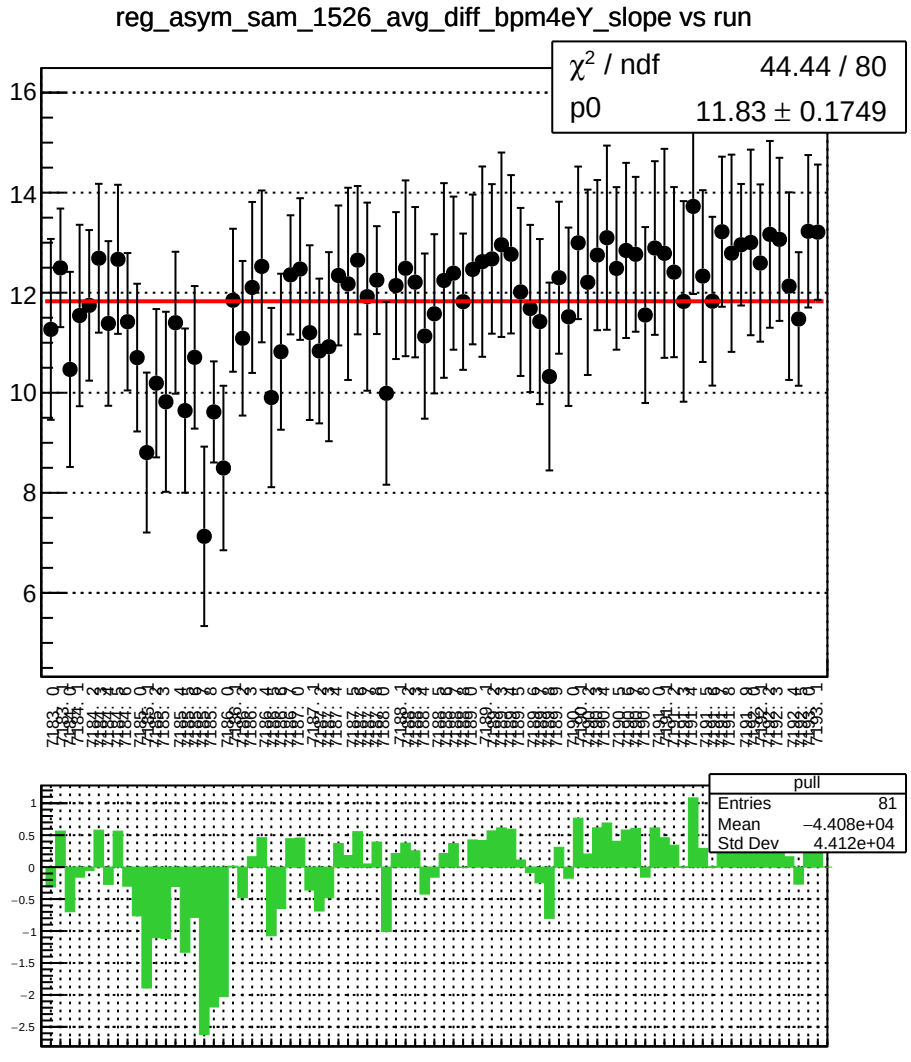

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.61 / 80
p0 57.54 ± 0.5519
pull
Entries 81
Mean 559.4
Std Dev 518.7
pull1D
Entries 81
Mean 0.0194
Std Dev 0.8577

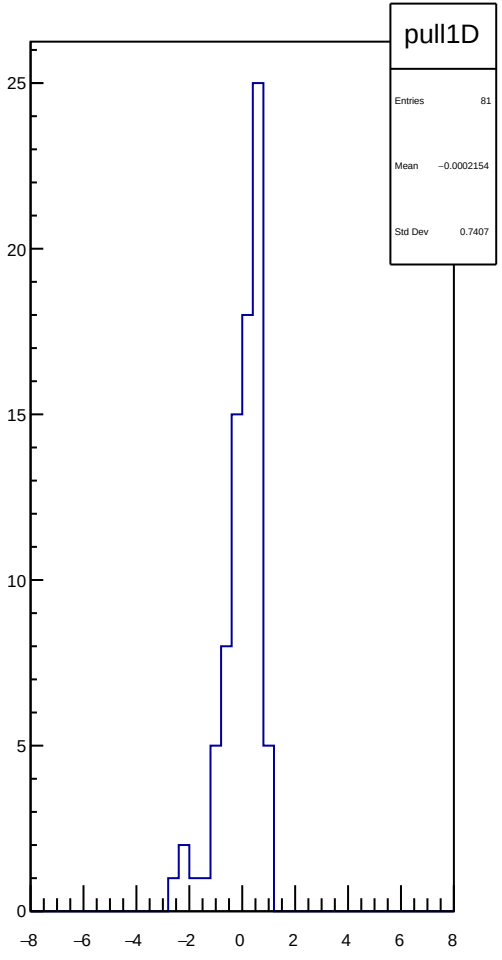

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 18.19 / 80
p0 0.3913 ± 0.02498
pull
Entries 81
Mean −2169
Std Dev 2205
pull1D
Entries 81
Mean −0.003865
Std Dev 0.4738

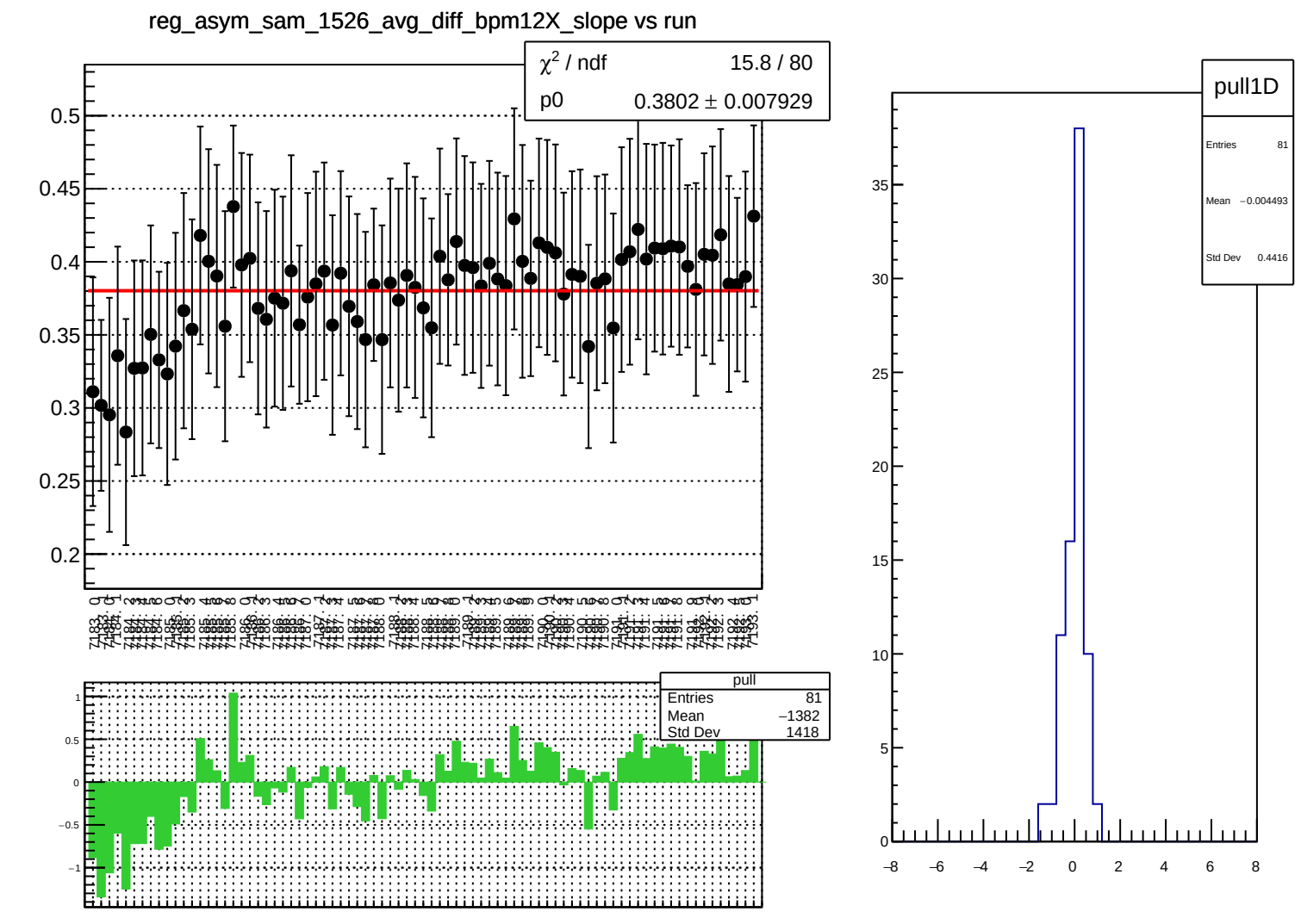

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 199.4 / 80
p0 −5.945 ± 0.2167
pull
Entries 81
Mean 194.2
Std Dev 150.6
pull1D
Entries 81
Mean 0.2133
Std Dev 1.261

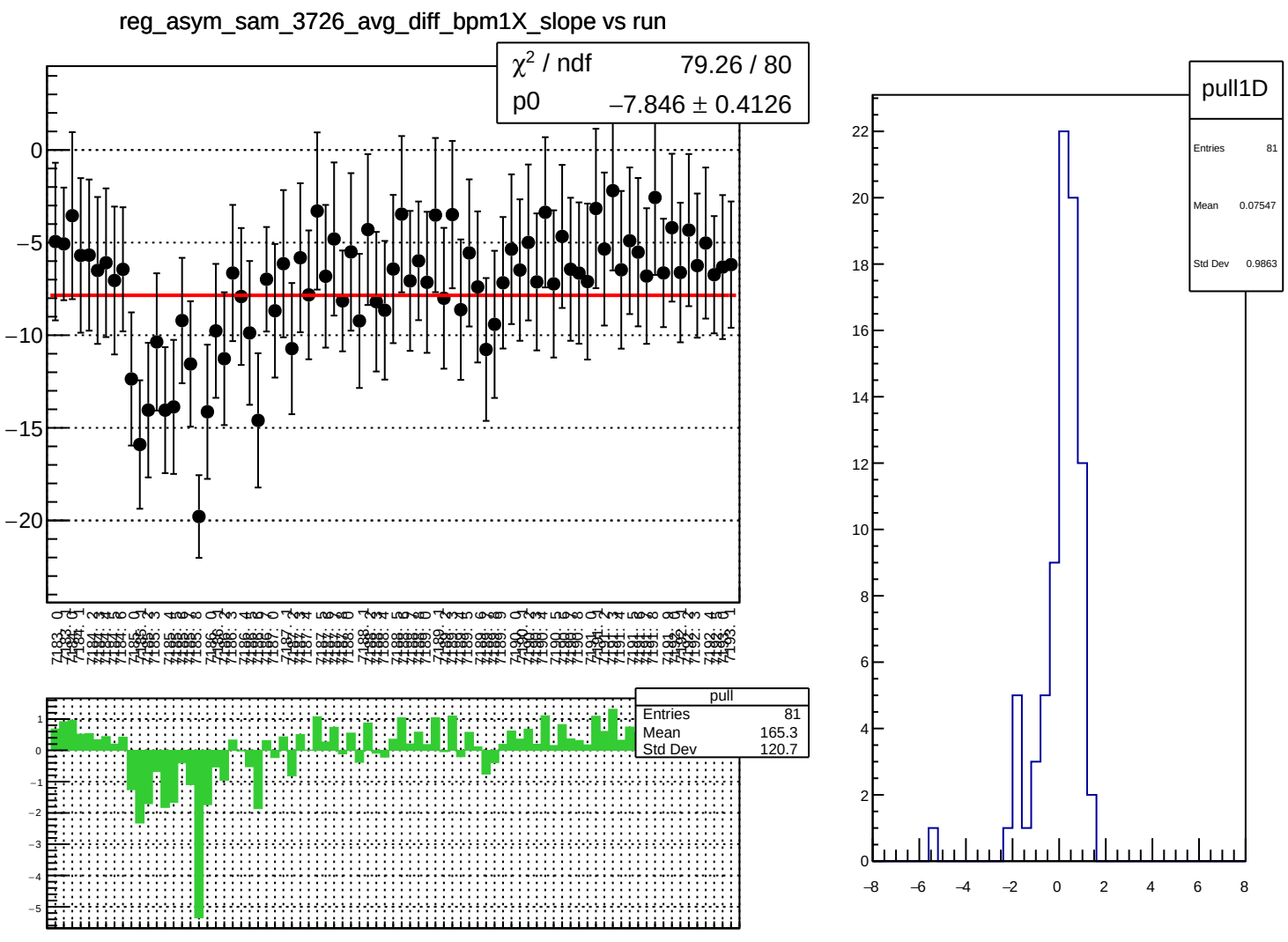

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.78 / 80
p0 2.709 ± 0.1609
pull
Entries 81
Mean 5142
Std Dev 5101
pull1D
Entries 81
Mean −0.001583
Std Dev 0.7839

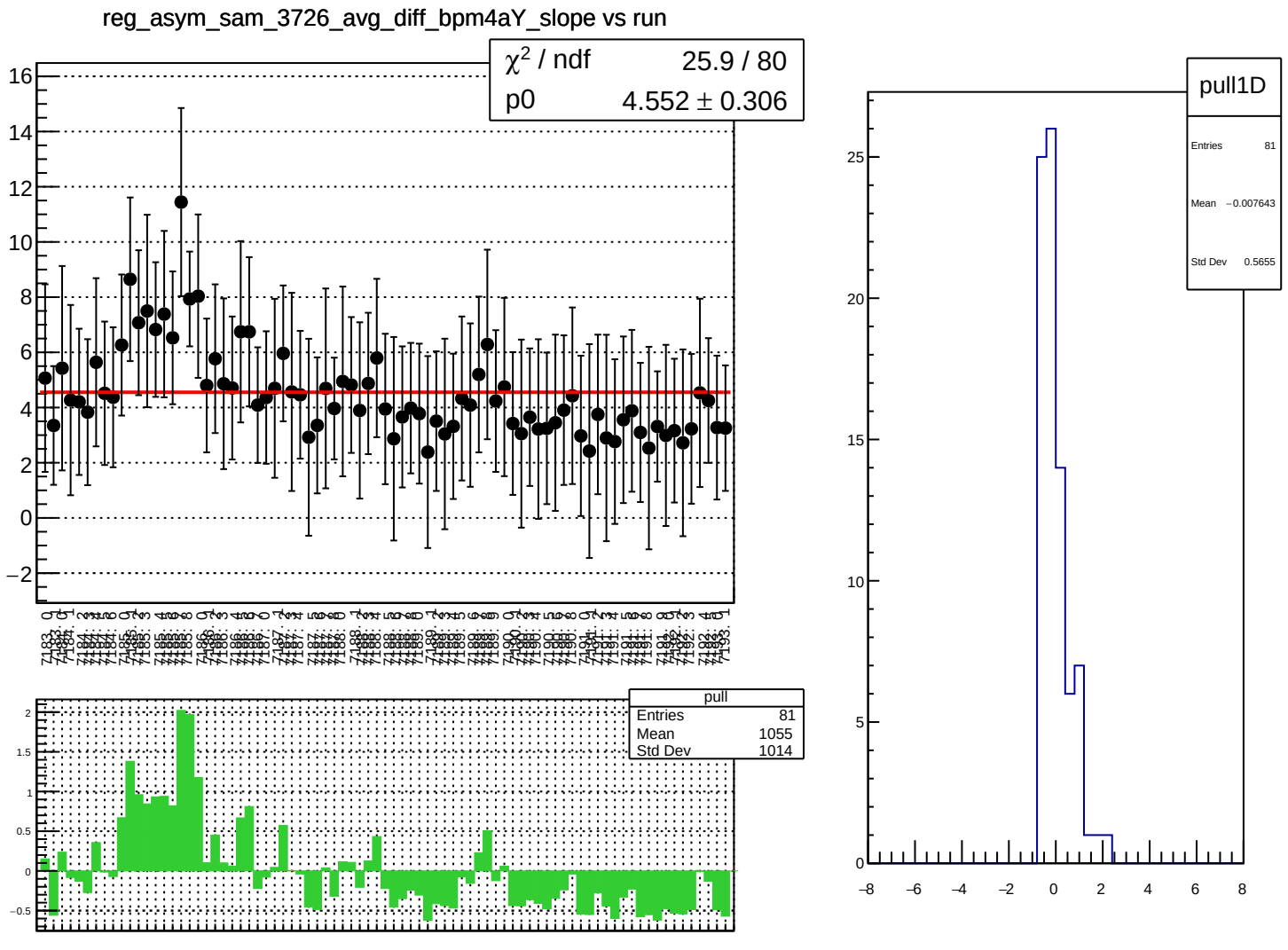

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 191.4 / 80
p0 −16.9 ± 0.217
pull
Entries 81
Mean 167.4
Std Dev 124.2
pull1D
Entries 81
Mean −0.1166
Std Dev 1.533

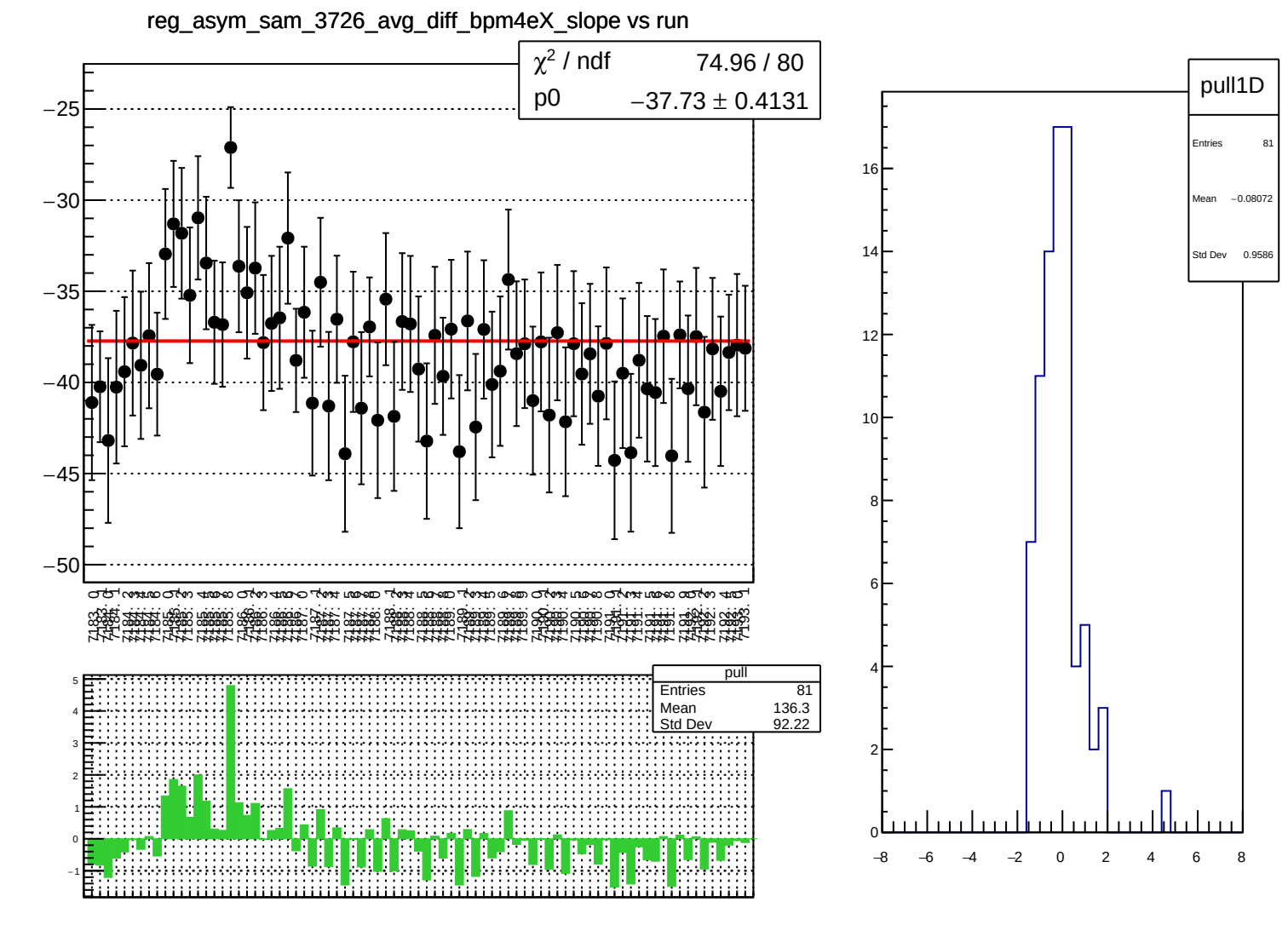

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.44 / 80
p0 11.83 ± 0.1749
pull
Entries 81
Mean −4.408e+04
Std Dev 4.412e+04

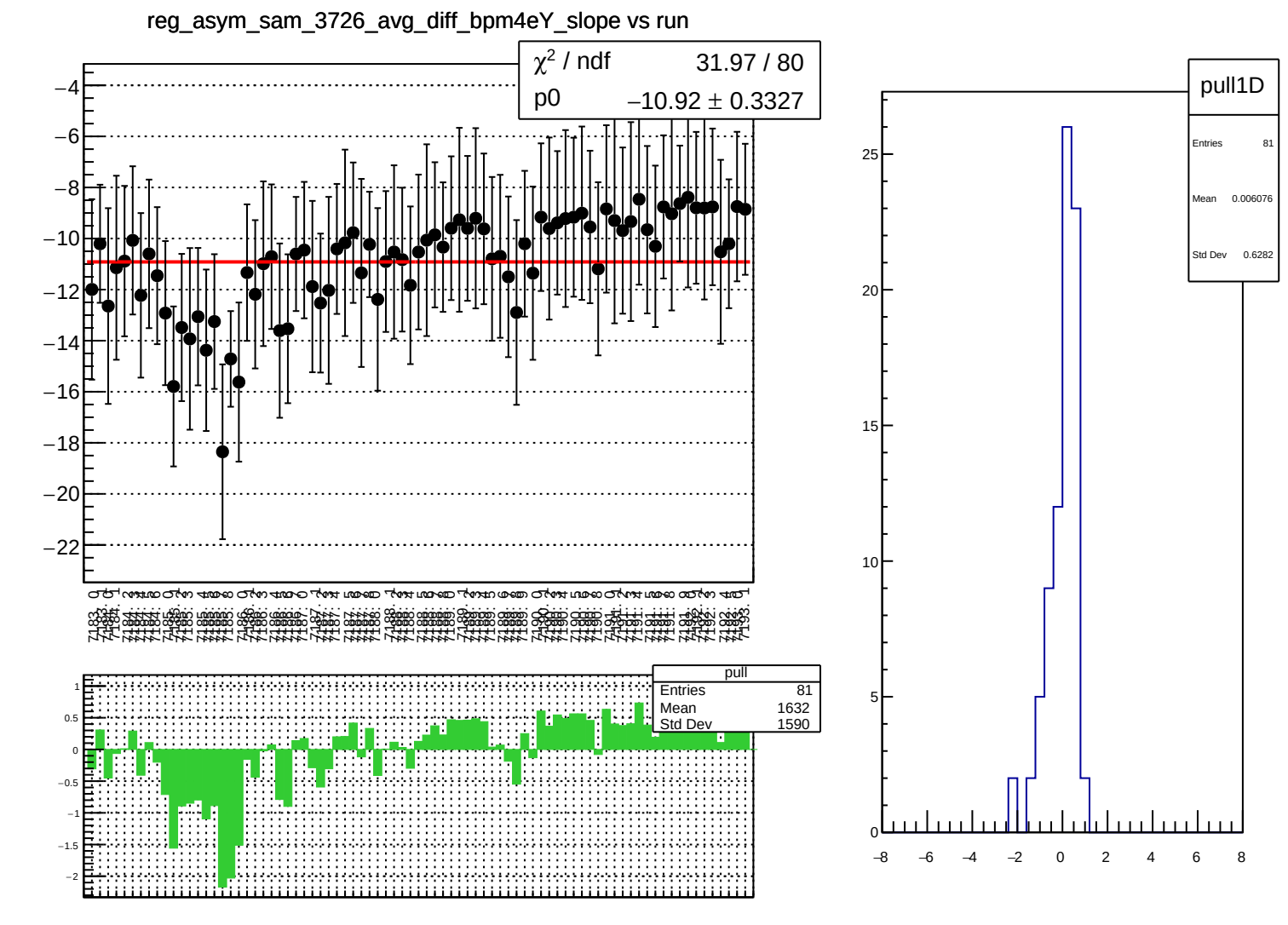

pull1D
Entries 81
Mean −0.0002154
Std Dev 0.7407

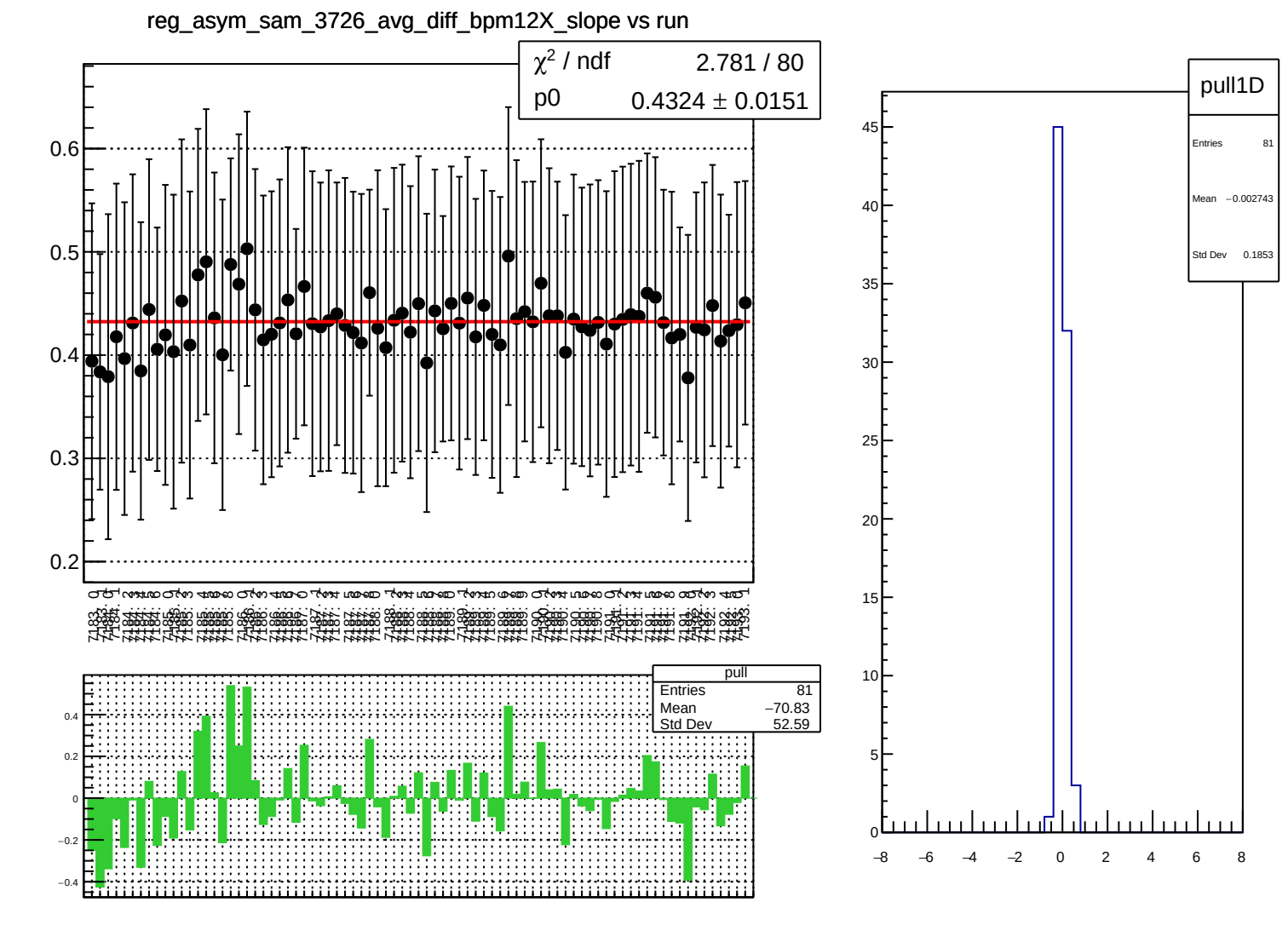

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 15.8 / 80
p0 0.3802 ± 0.007929
pull
Entries 81
Mean −1382
Std Dev 1418
pull1D
Entries 81
Mean −0.004493
Std Dev 0.4416

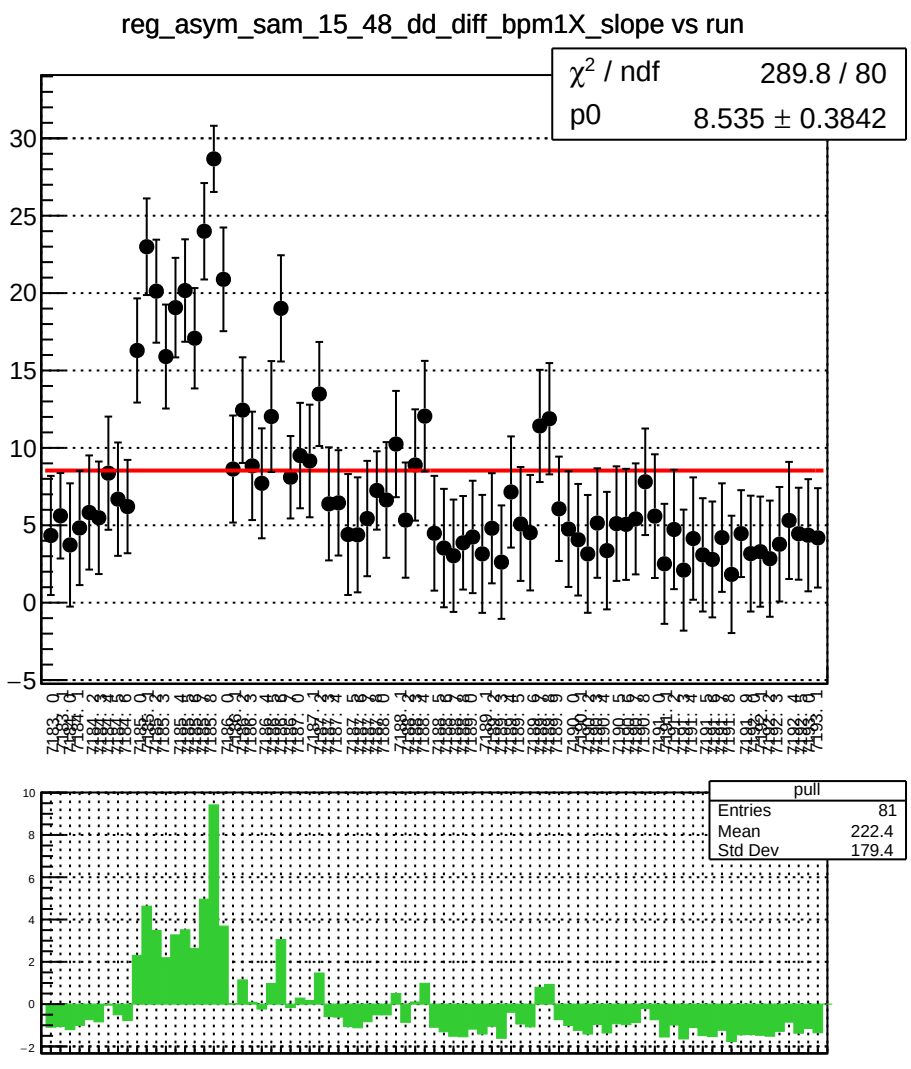

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 79.26 / 80
p0 −7.846 ± 0.4126
pull
Entries 81
Mean 165.3
Std Dev 120.7
pull1D
Entries 81
Mean 0.07547
Std Dev 0.9863

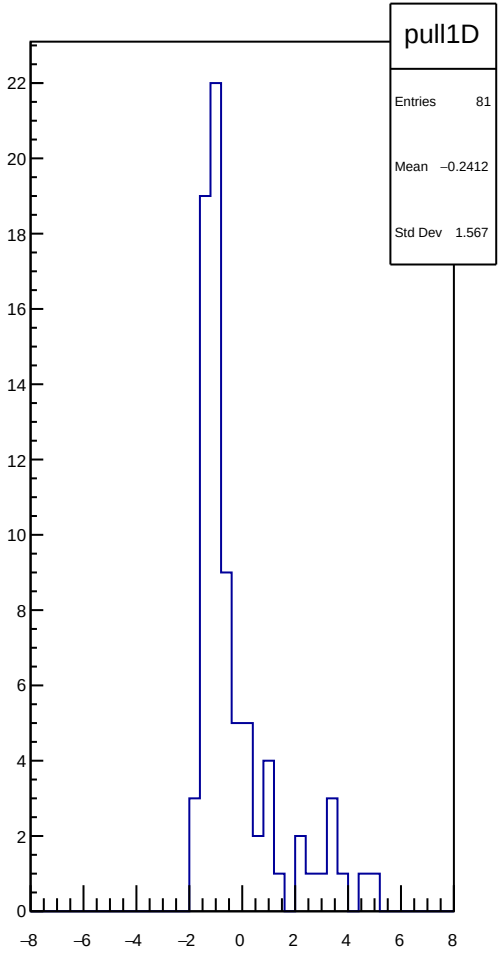

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.9 / 80
p0 4.552 ± 0.306
pull
Entries 81
Mean 1055
Std Dev 1014
pull1D
Entries 81
Mean −0.007643
Std Dev 0.5655

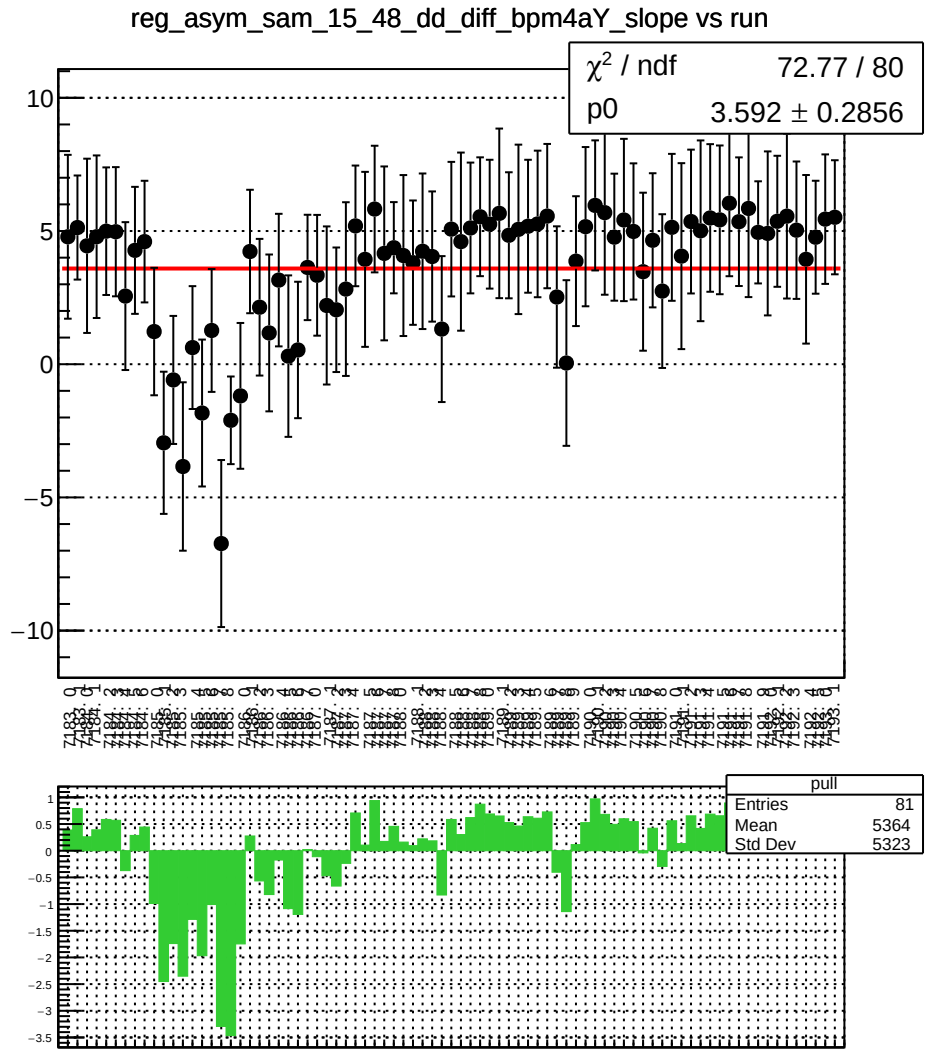

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 74.96 / 80
p0 −37.73 ± 0.4131
pull
Entries 81
Mean 136.3
Std Dev 92.22
pull1D
Entries 81
Mean −0.08072
Std Dev 0.9586

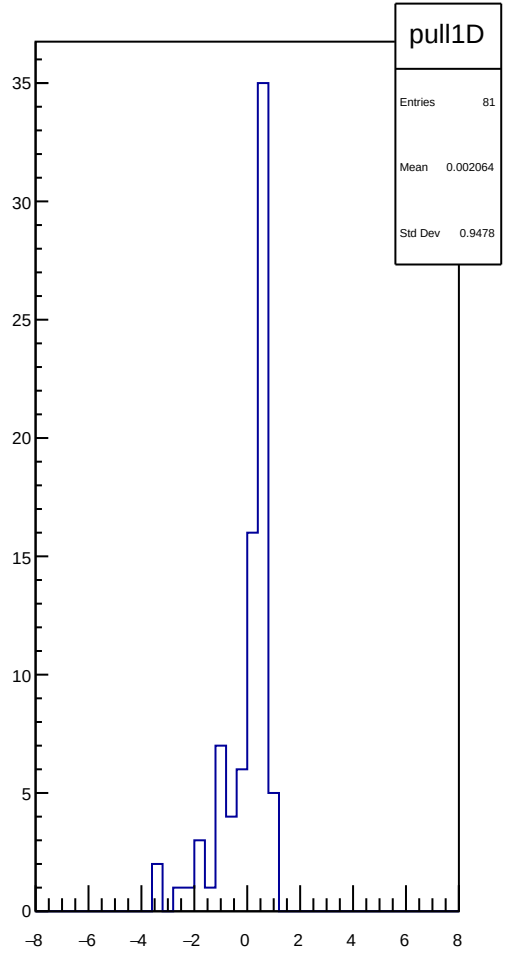

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.97 / 80
p0 −10.92 ± 0.3327
pull
Entries 81
Mean 1632
Std Dev 1590
pull1D
Entries 81
Mean 0.006076
Std Dev 0.6282

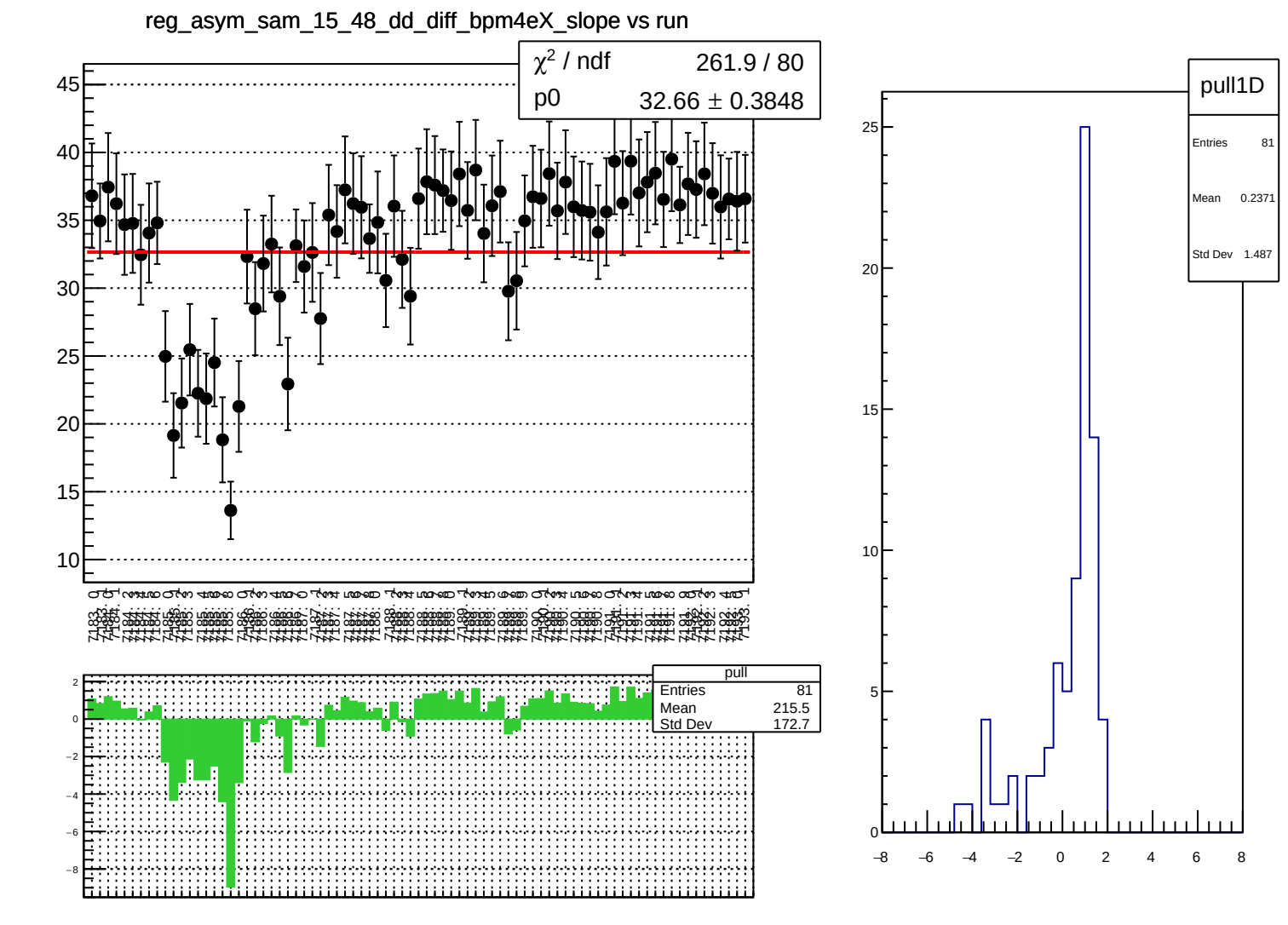

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.781 / 80
p0 0.4324 ± 0.0151
pull
Entries 81
Mean −70.83
Std Dev 52.59
pull1D
Entries 81
Mean −0.002743
Std Dev 0.1853

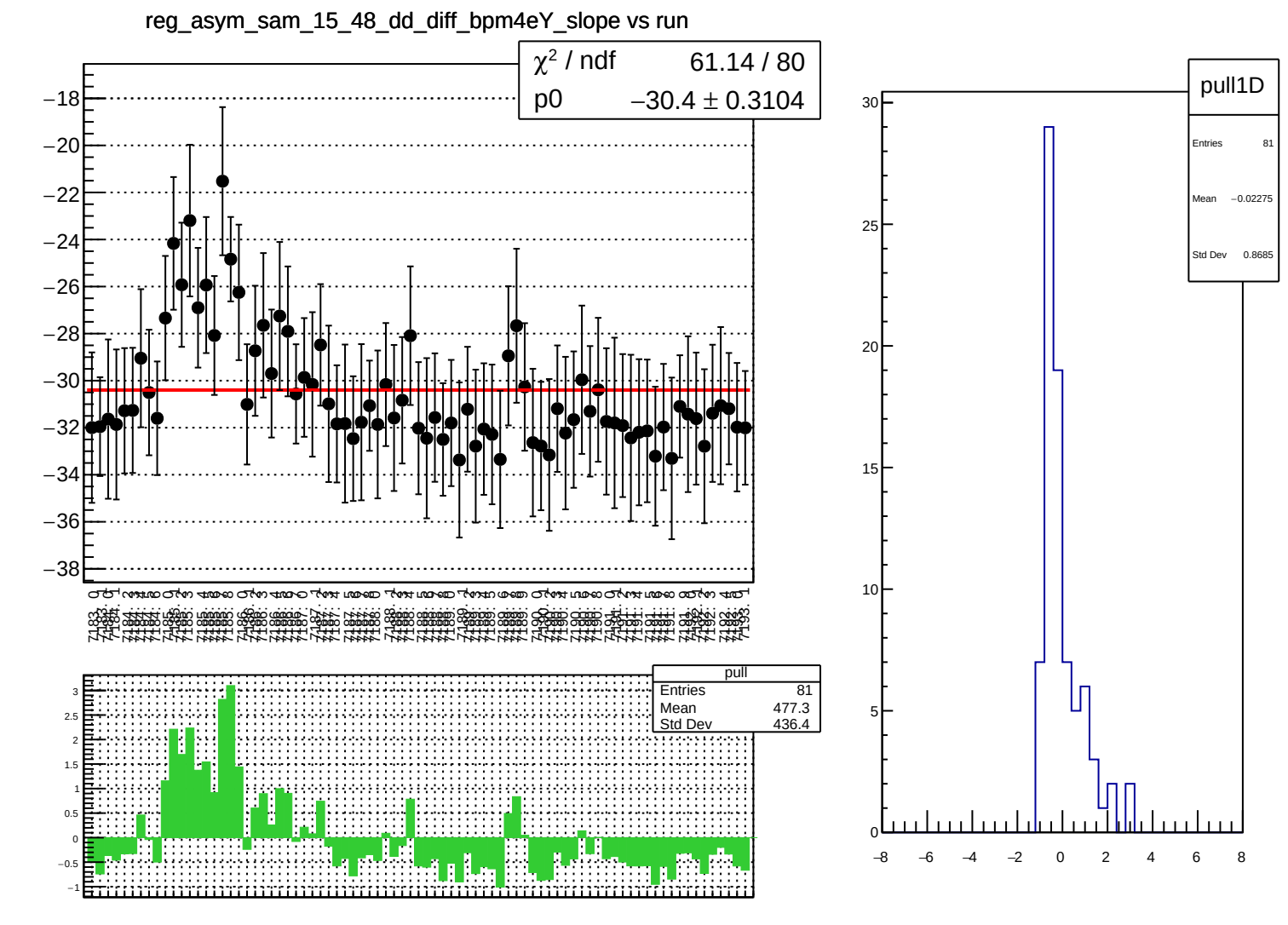

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 289.8 / 80
p0 8.535 ± 0.3842
pull
Entries 81
Mean 222.4
Std Dev 179.4

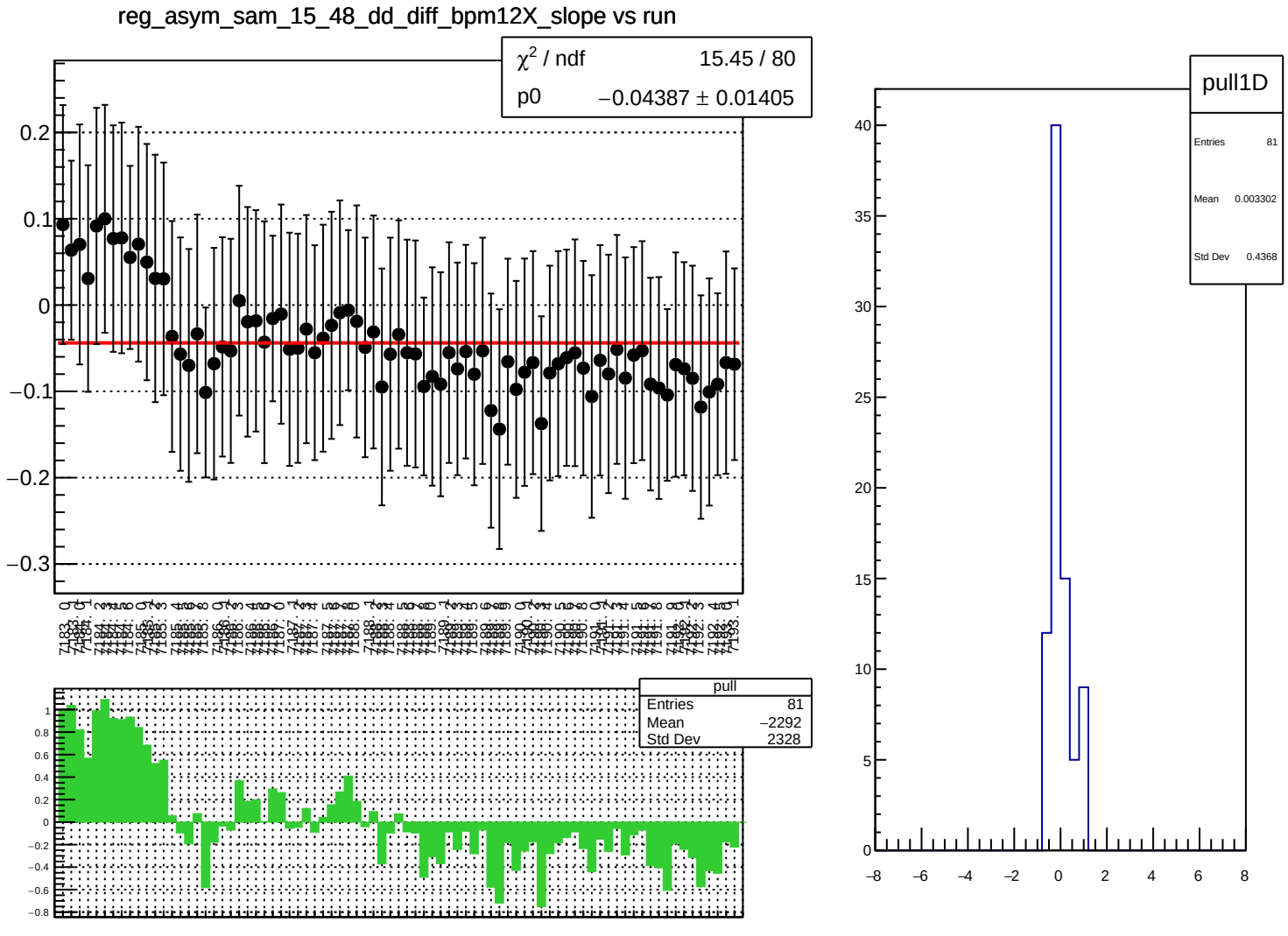

pull1D
Entries 81
Mean −0.2412
Std Dev 1.567

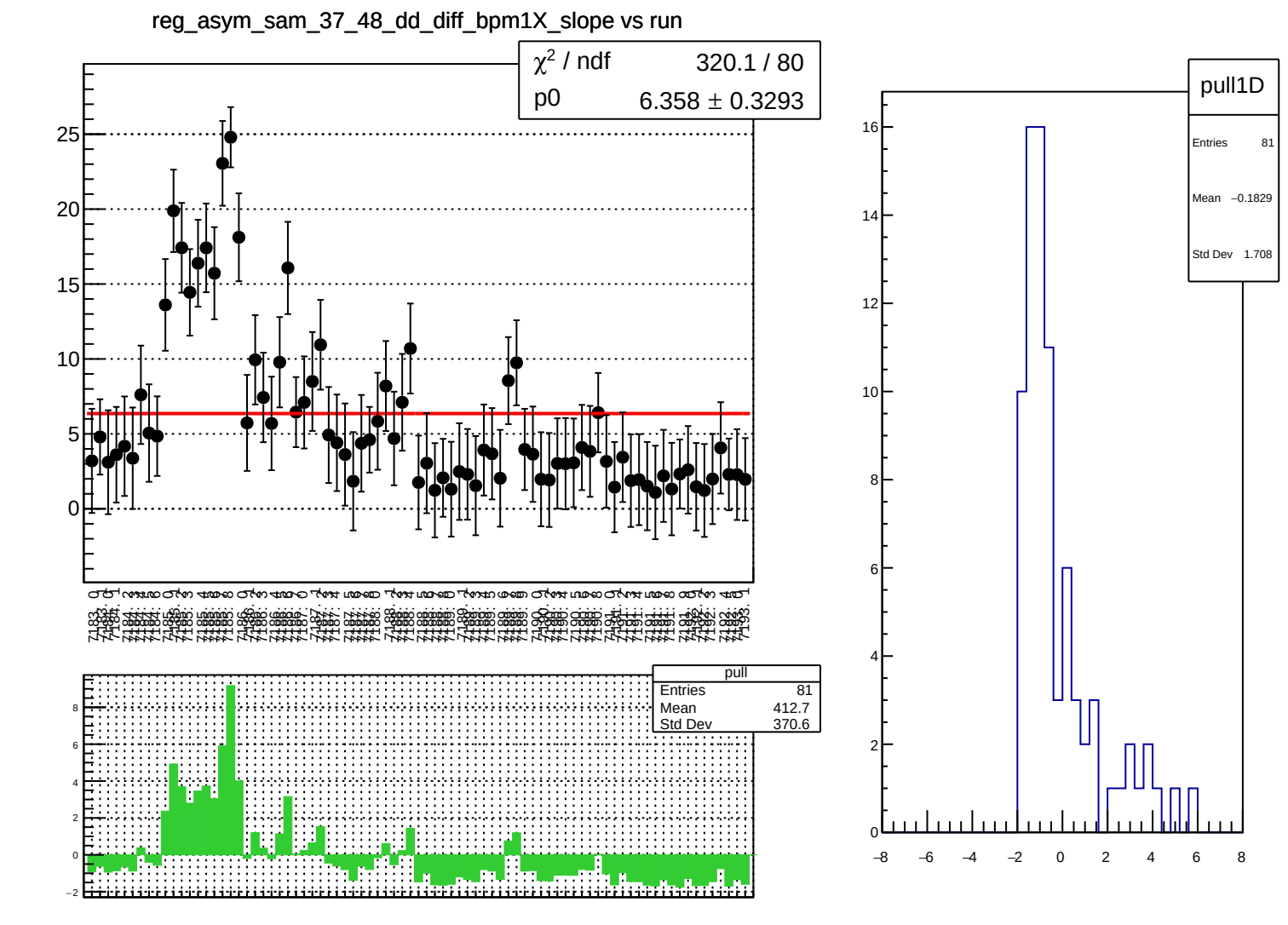

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.77 / 80
p0 3.592 ± 0.2856
pull
Entries 81
Mean 5364
Std Dev 5323

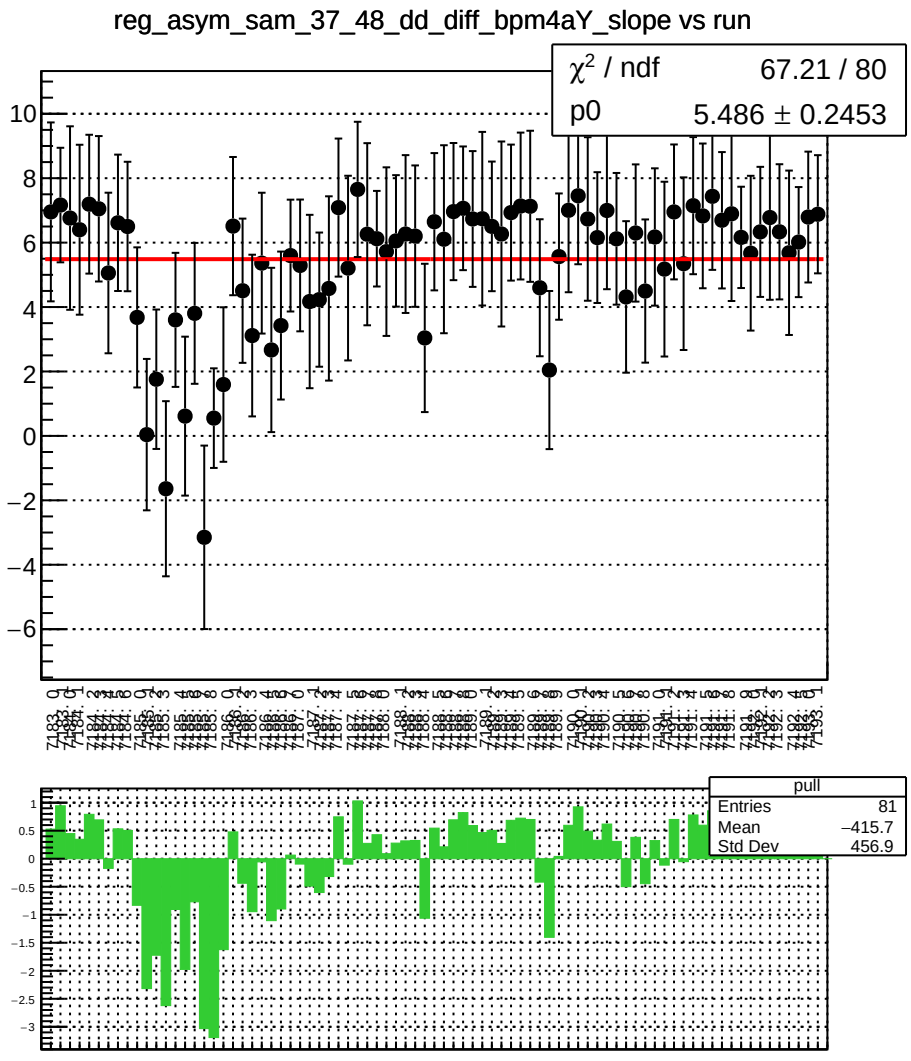

pull1D
Entries 81
Mean 0.002064
Std Dev 0.9478

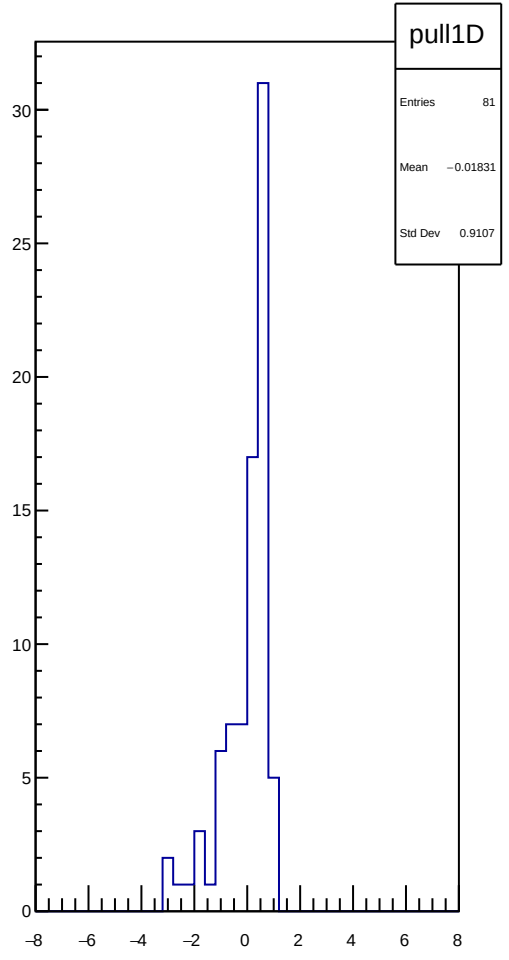

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 261.9 / 80
p0 32.66 ± 0.3848
pull
Entries 81
Mean 215.5
Std Dev 172.7
pull1D
Entries 81
Mean 0.2371
Std Dev 1.487

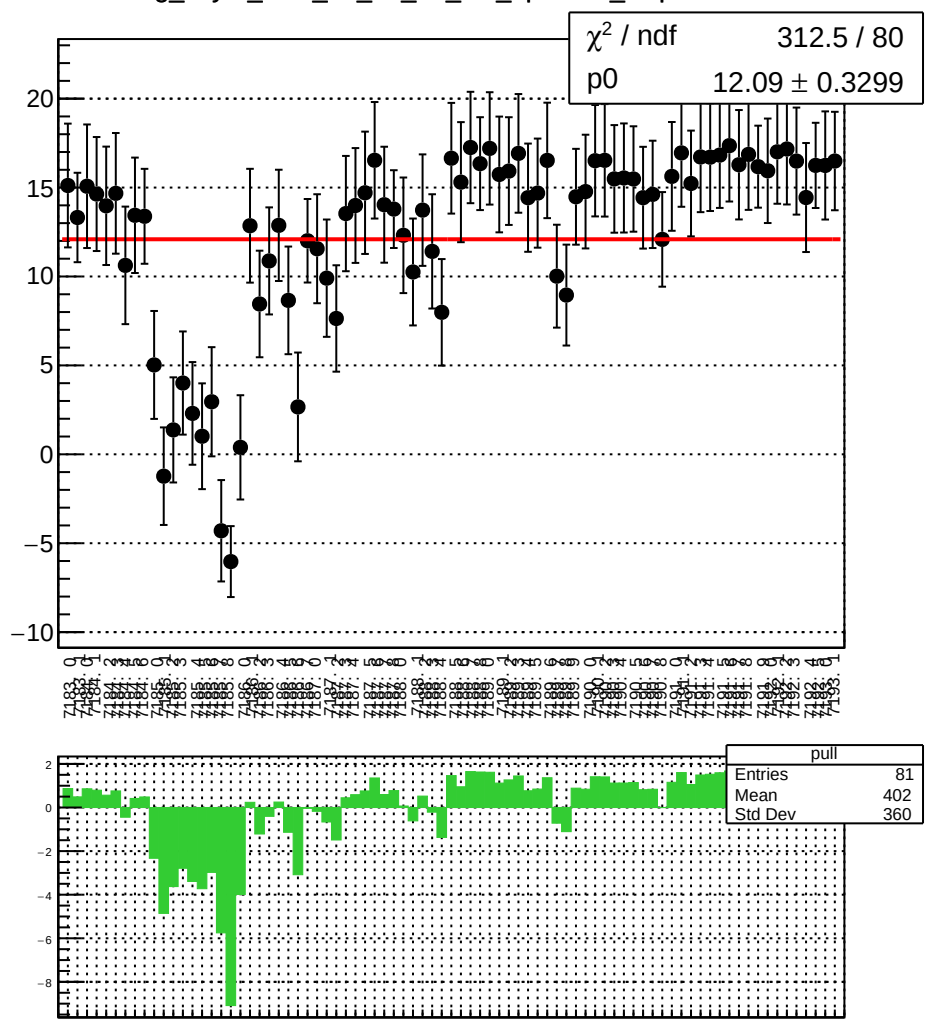

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.14 / 80
p0 −30.4 ± 0.3104
pull
Entries 81
Mean 477.3
Std Dev 436.4
pull1D
Entries 81
Mean −0.02275
Std Dev 0.8685

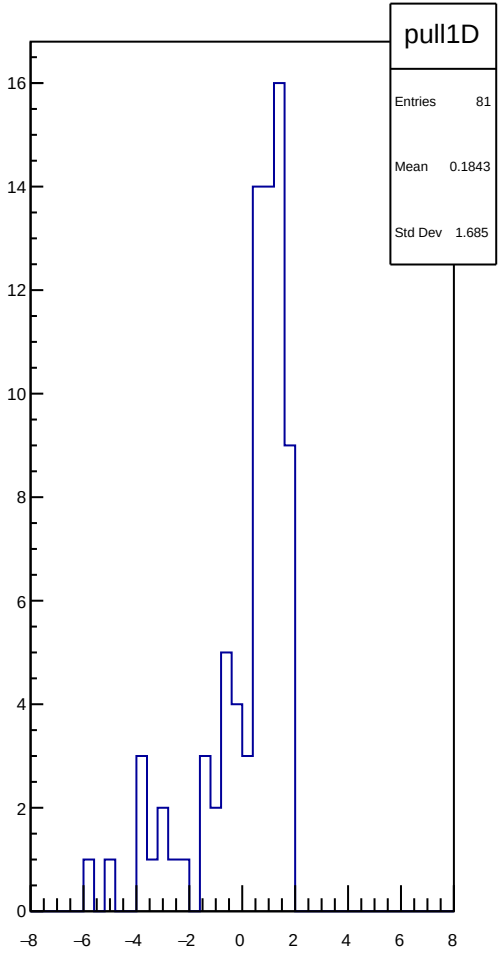

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.45 / 80
p0 −0.04387 ± 0.01405
pull
Entries 81
Mean −2292
Std Dev 2328
pull1D
Entries 81
Mean 0.003302
Std Dev 0.4368

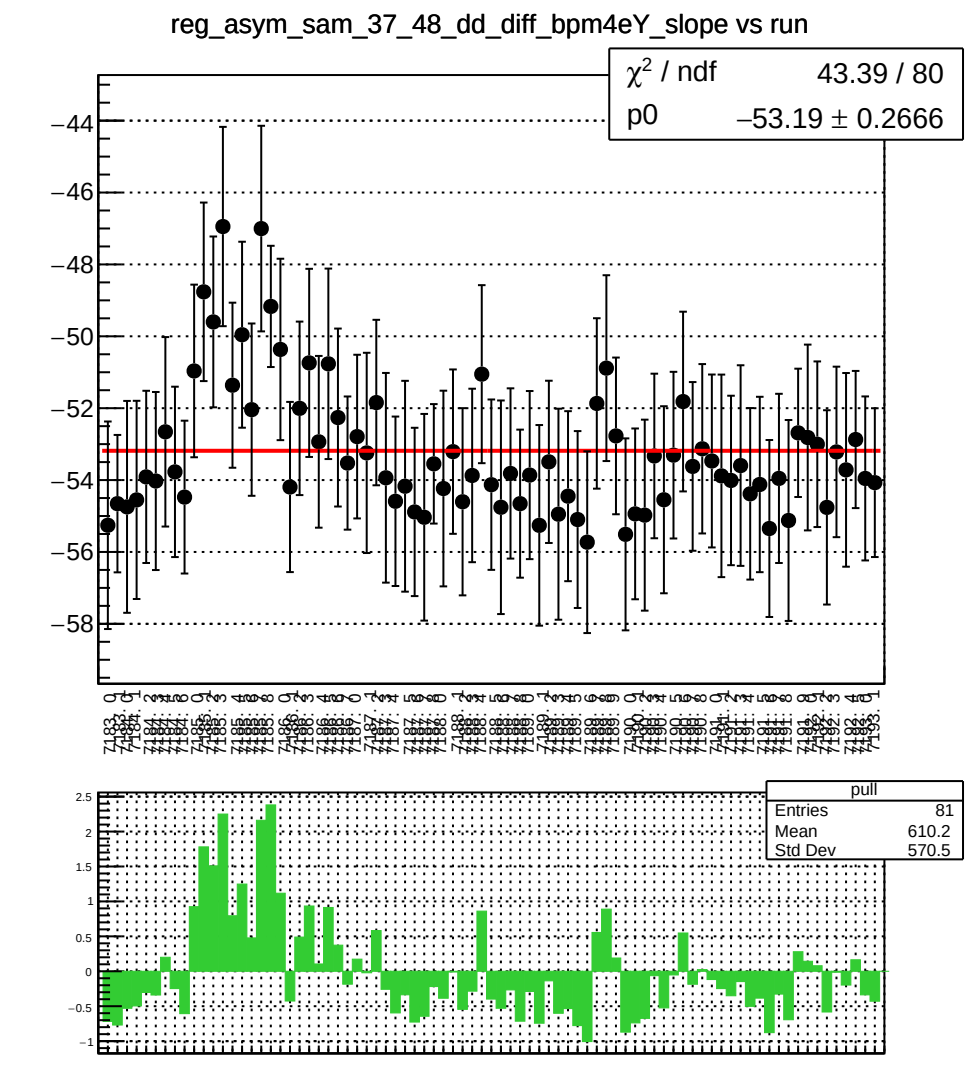

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 320.1 / 80
p0 6.358 ± 0.3293
pull
Entries 81
Mean 412.7
Std Dev 370.6
pull1D
Entries 81
Mean −0.1829
Std Dev 1.708

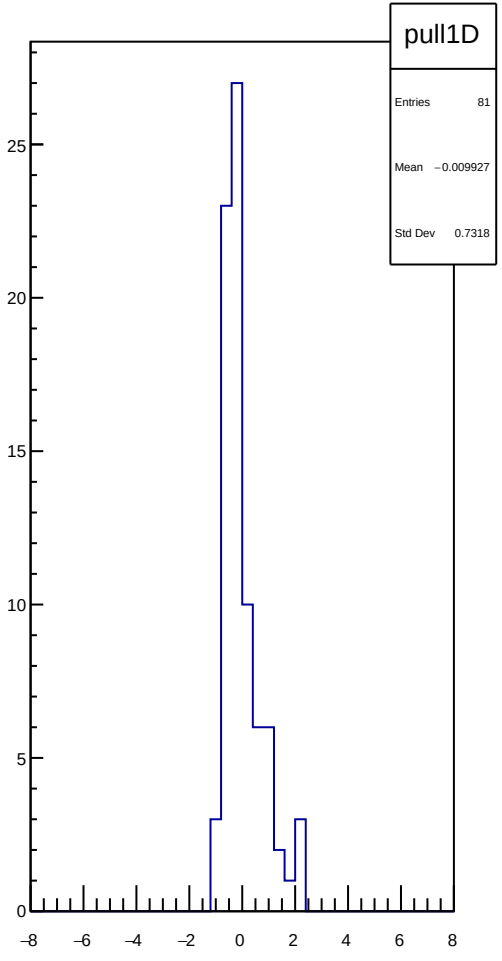

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.21 / 80
p0 5.486 ± 0.2453
pull
Entries 81
Mean −415.7
Std Dev 456.9

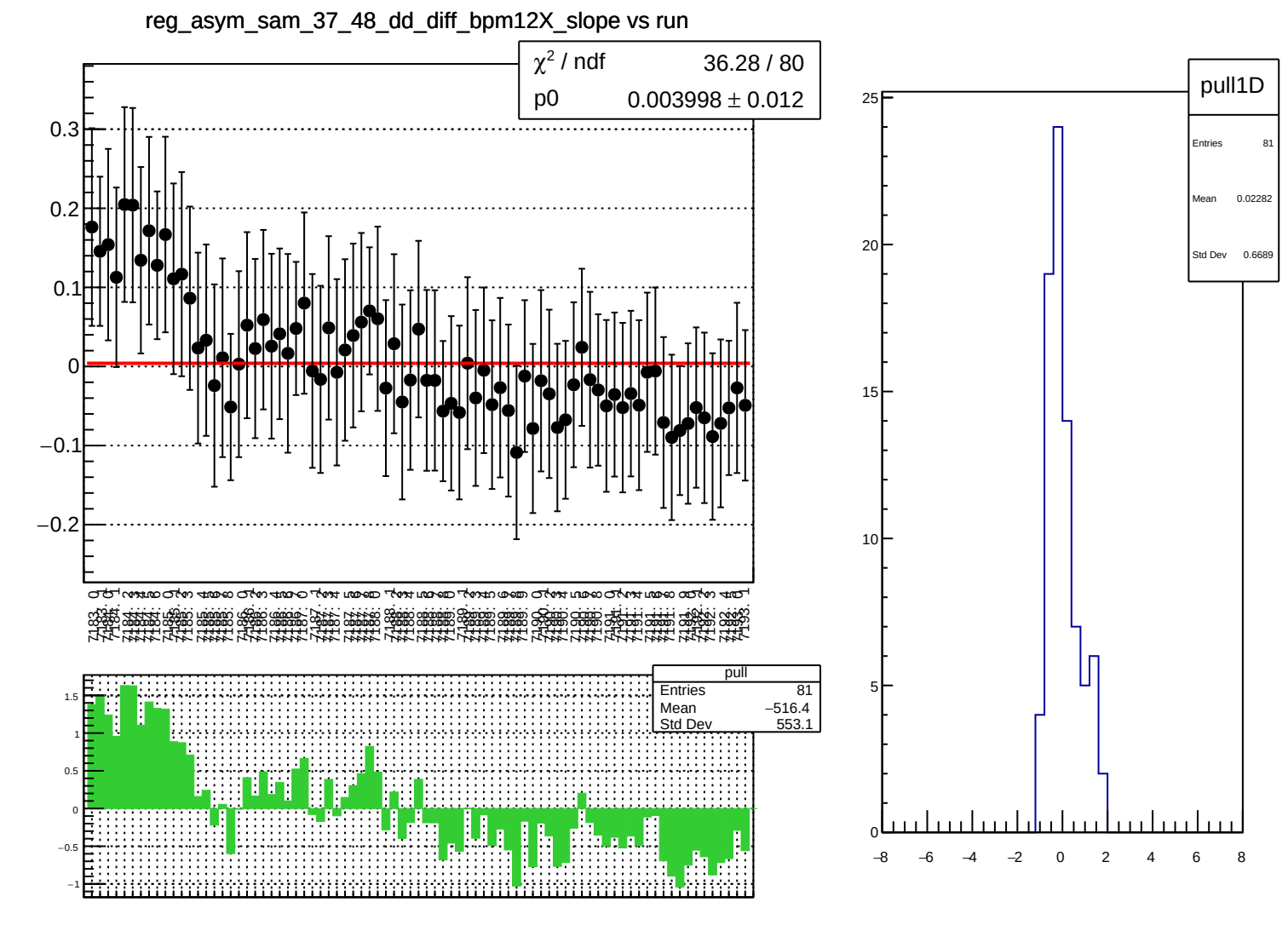

pull1D
Entries 81
Mean −0.01831
Std Dev 0.9107

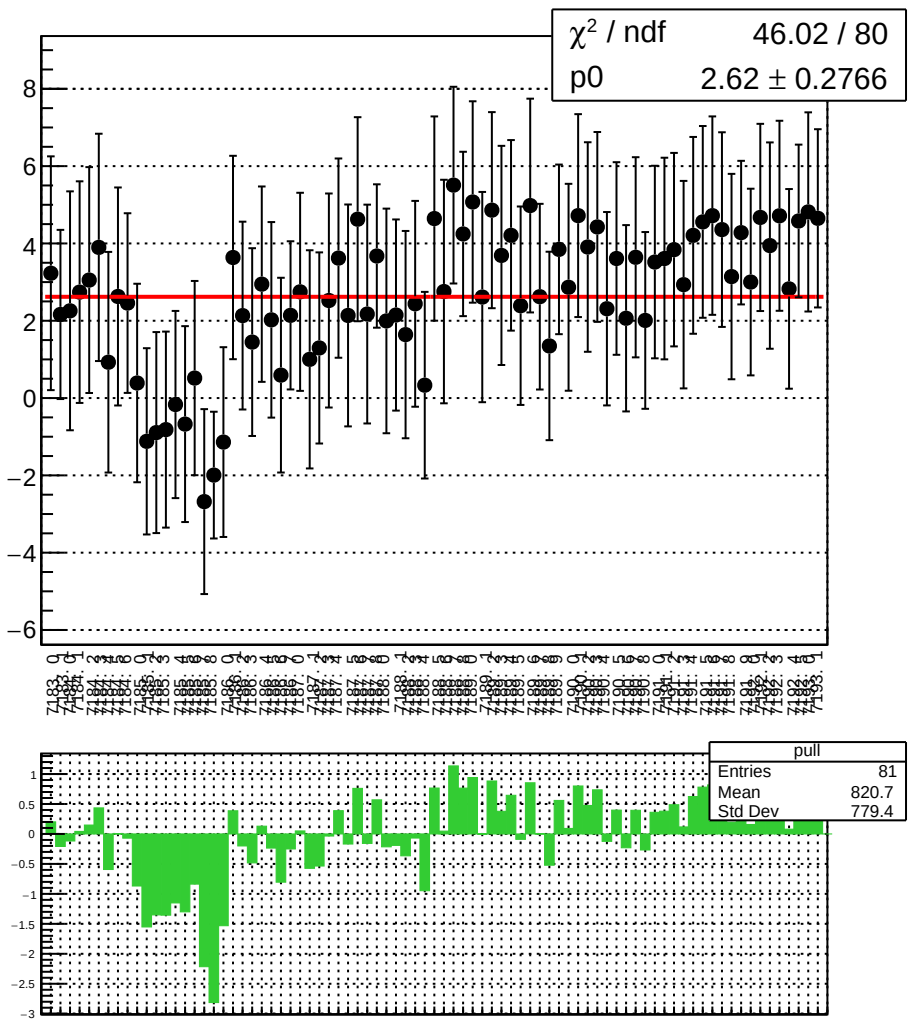

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 312.5 / 80
p0 12.09 ± 0.3299
pull
Entries 81
Mean 402
Std Dev 360

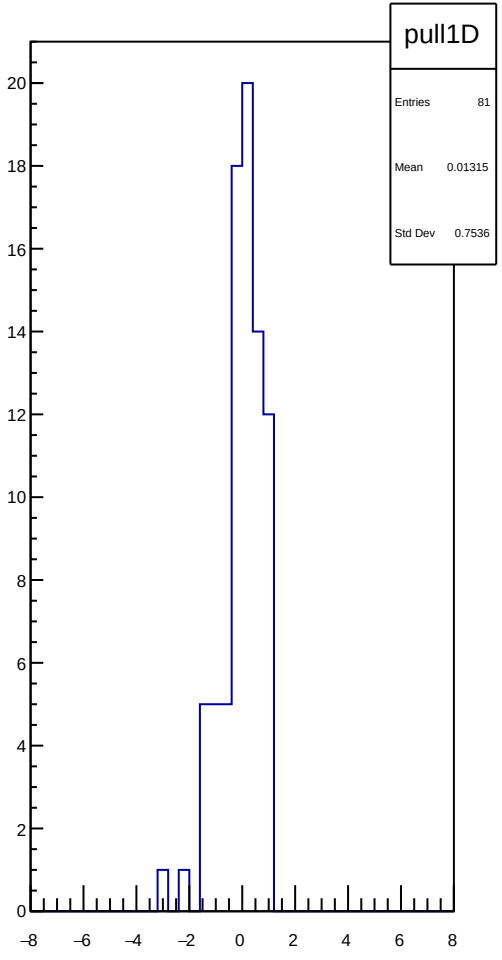

pull1D
Entries 81
Mean 0.1843
Std Dev 1.685

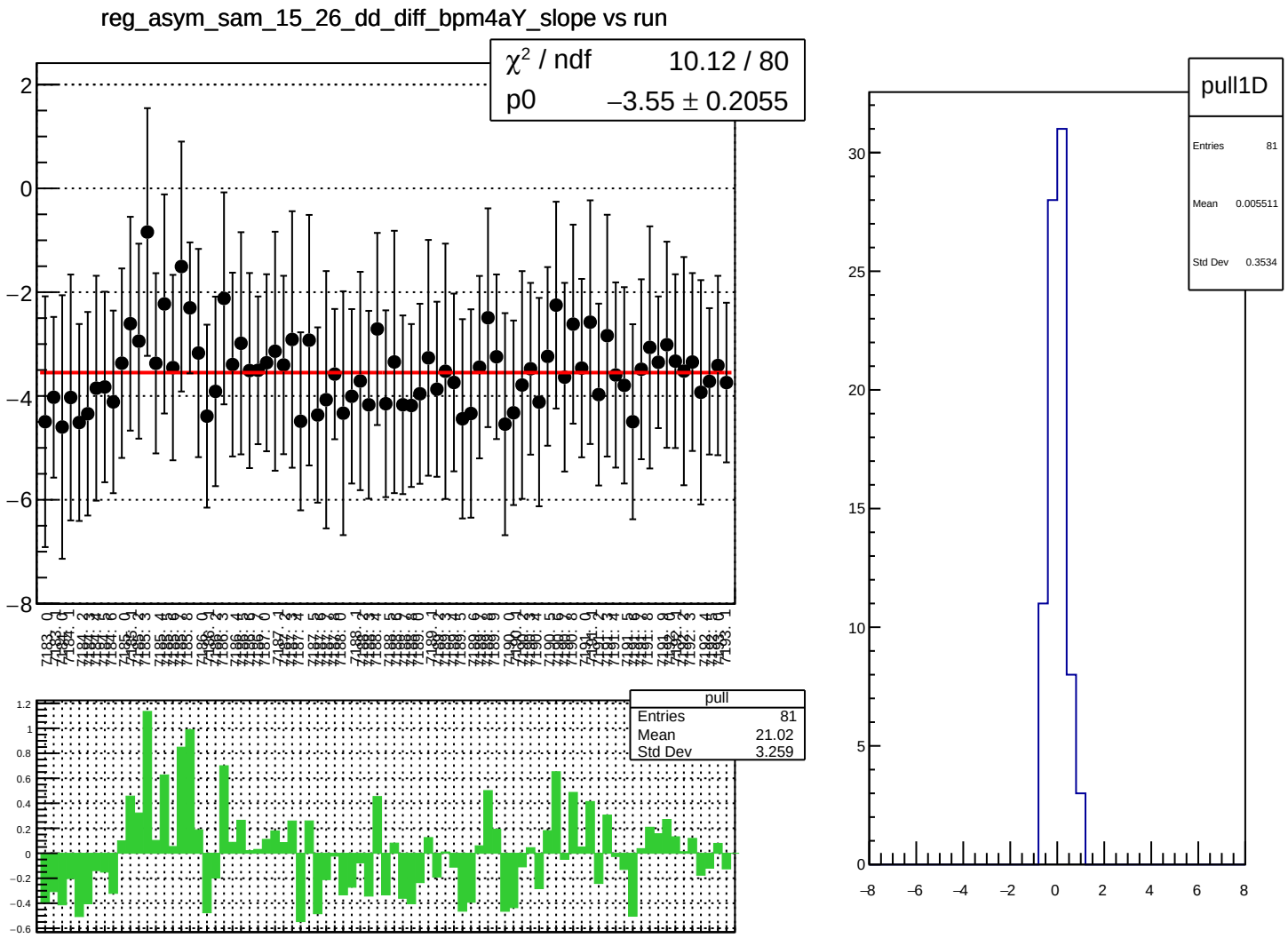

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.39 / 80
p0 −53.19 ± 0.2666
pull
Entries 81
Mean 610.2
Std Dev 570.5

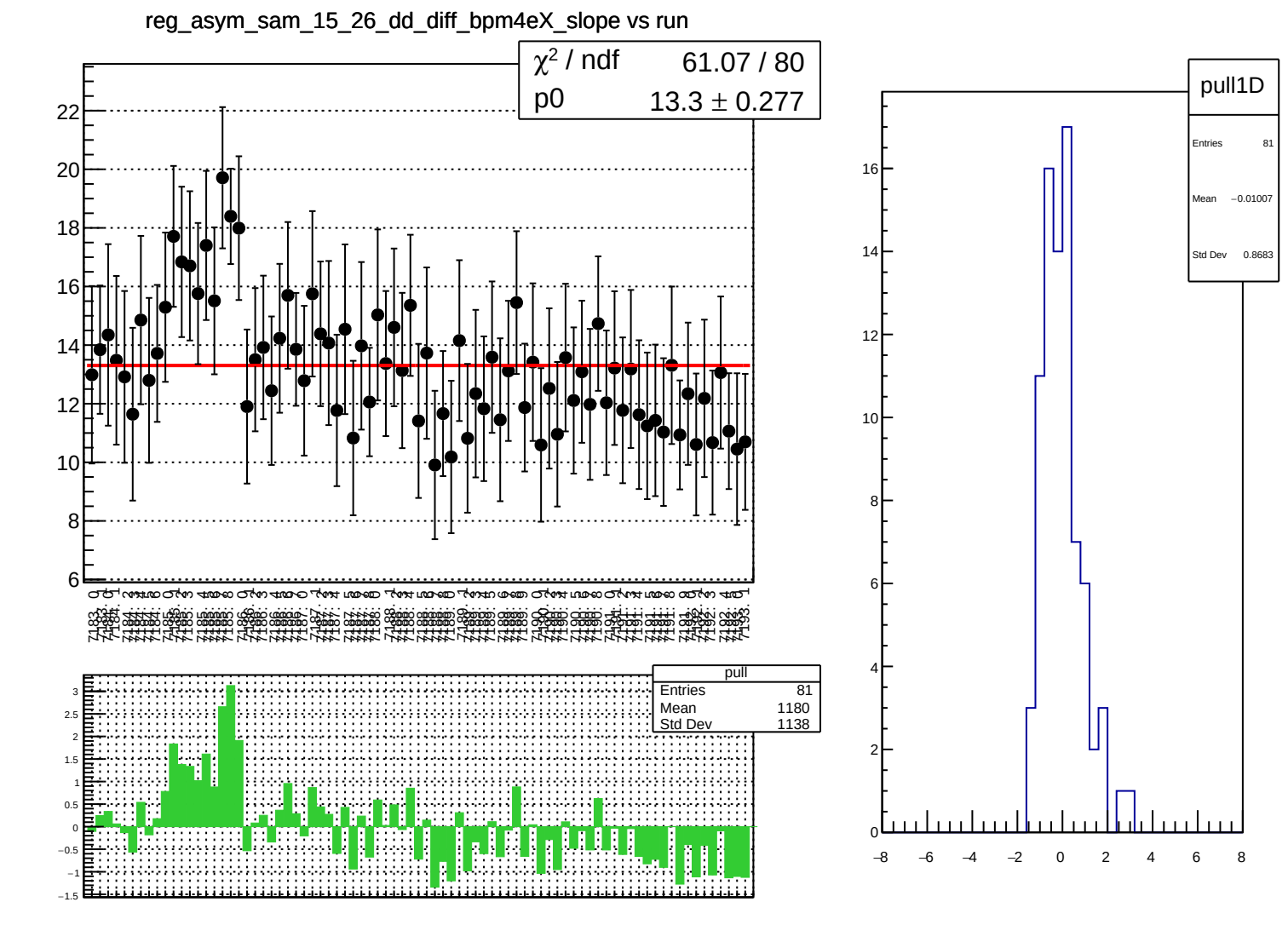

pull1D
Entries 81
Mean −0.009927
Std Dev 0.7318

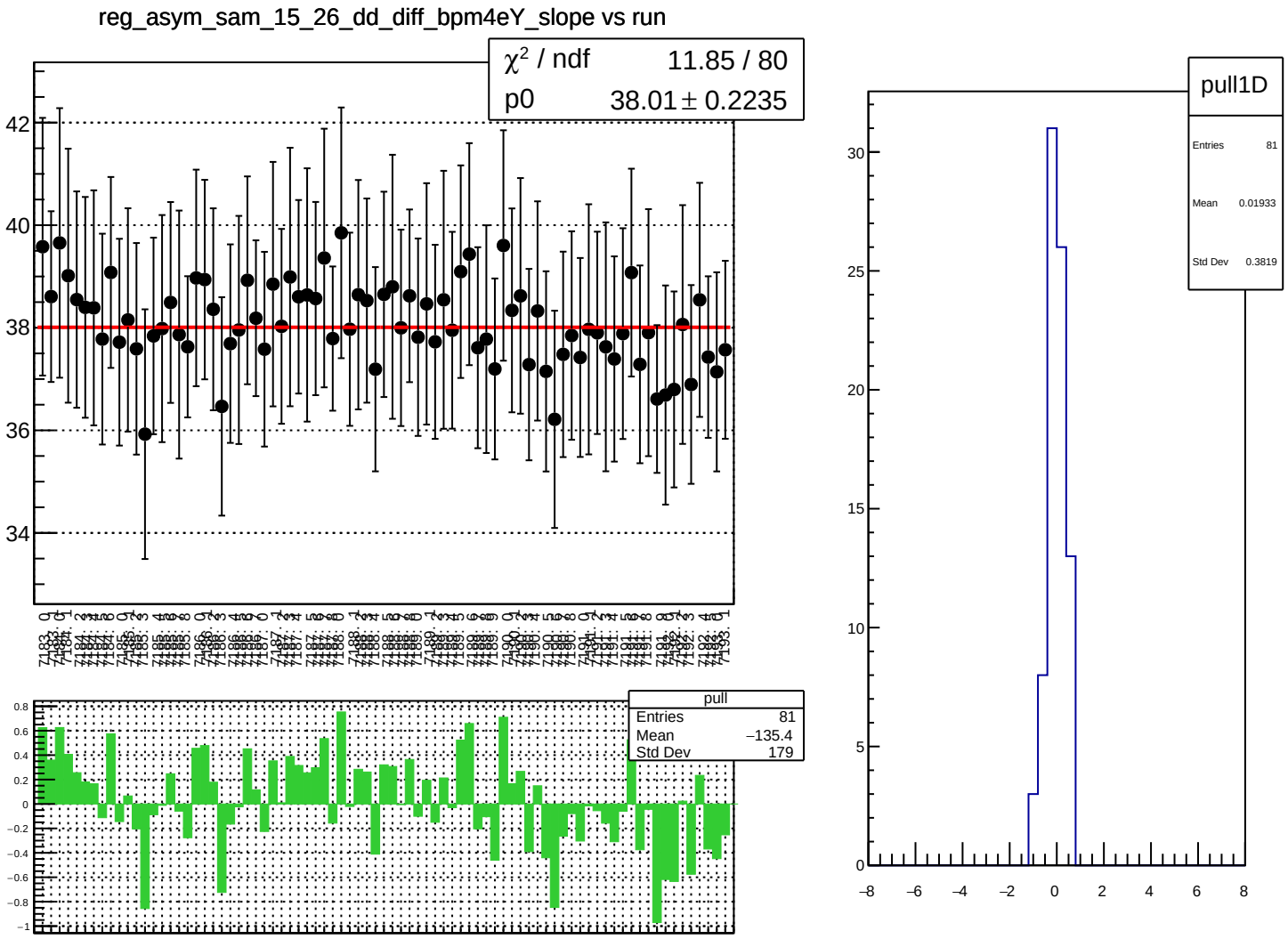

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 36.28 / 80
p0 0.003998 ± 0.012
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 81
Mean −516.4
Std Dev 553.1
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.02282
Std Dev 0.6689
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

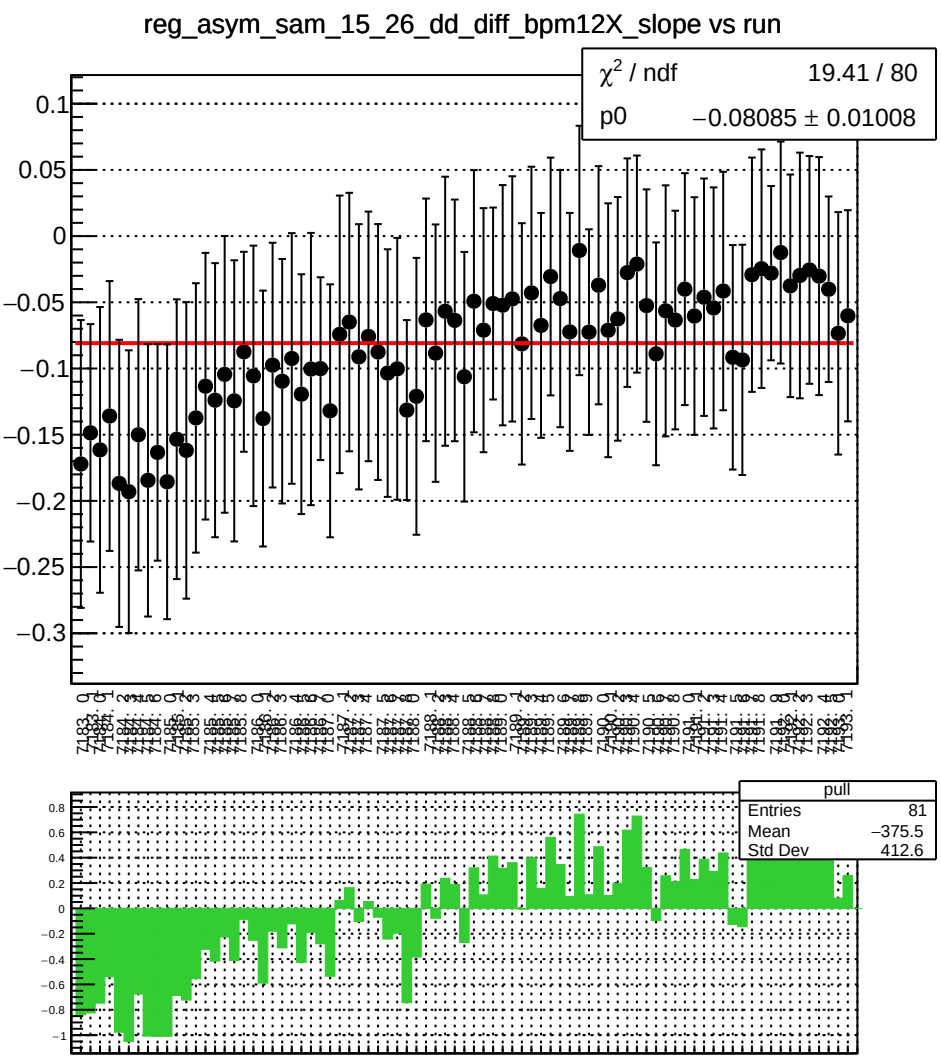

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 46.02 / 80
p0 2.62 ± 0.2766
pull
Entries 81
Mean 820.7
Std Dev 779.4

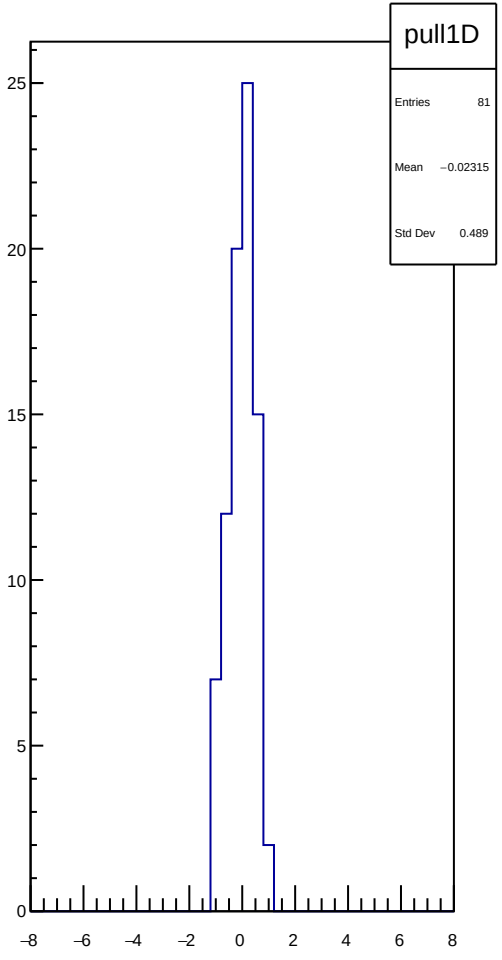

pull1D
Entries 81
Mean 0.01315
Std Dev 0.7536

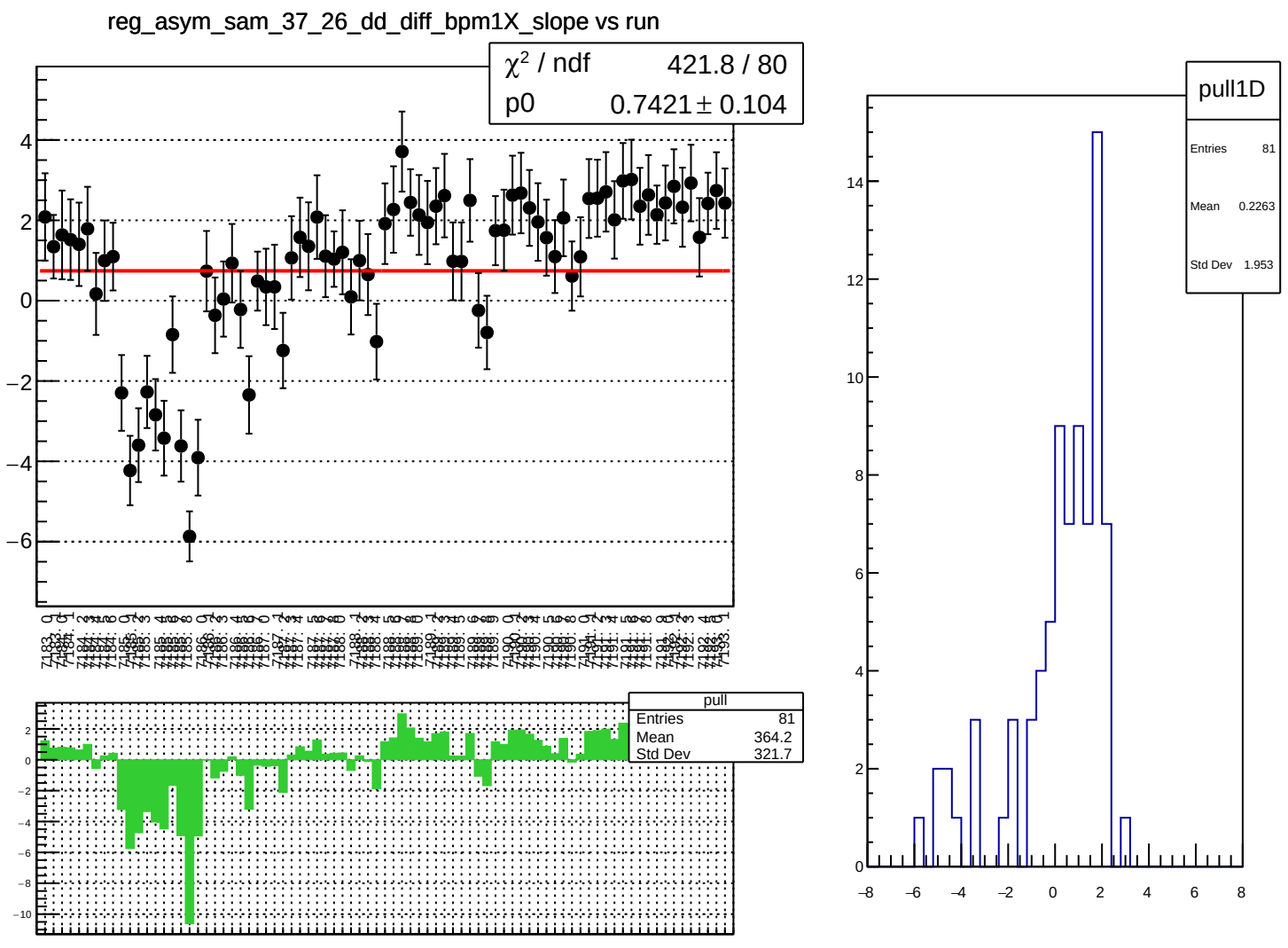

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.12 / 80
p0 −3.55 ± 0.2055
pull
Entries 81
Mean 21.02
Std Dev 3.259
pull1D
Entries 81
Mean 0.005511
Std Dev 0.3534

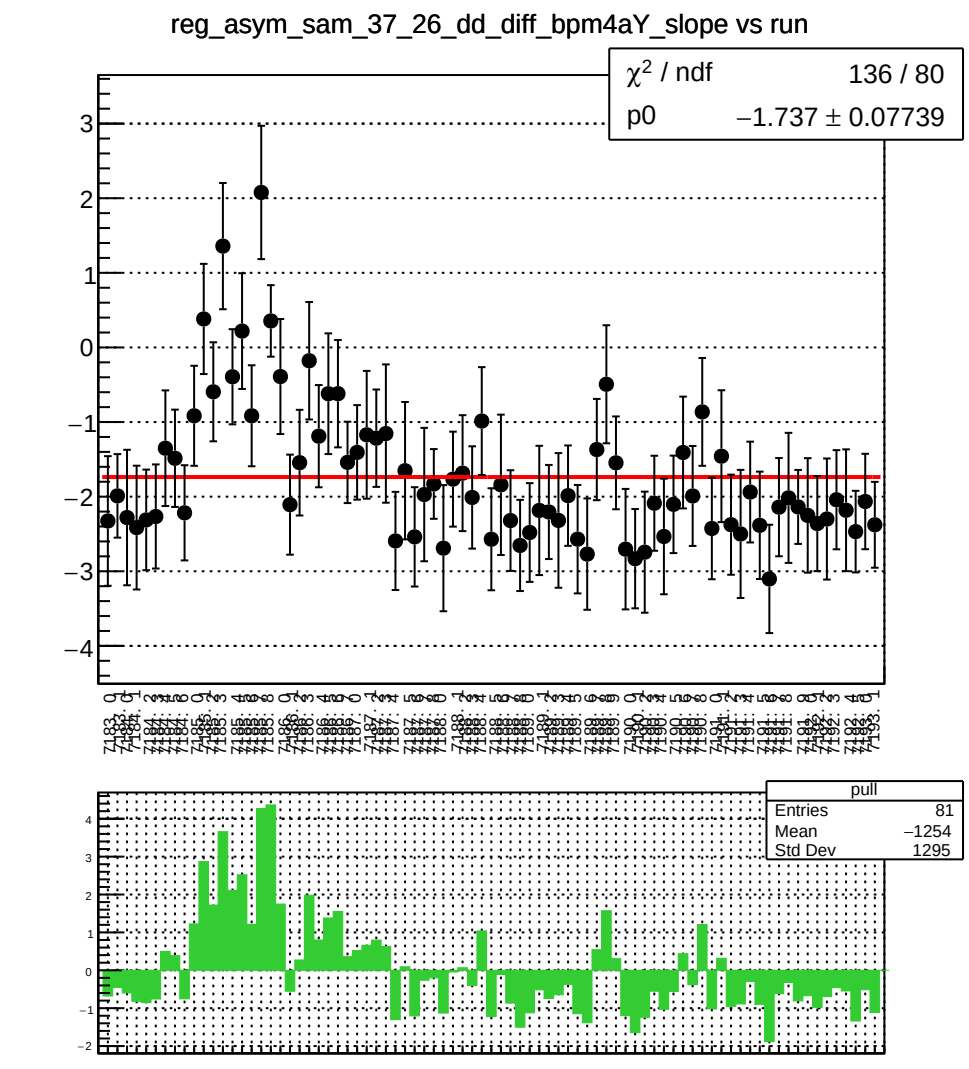

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.07 / 80
p0 13.3 ± 0.277
pull
Entries 81
Mean 1180
Std Dev 1138
pull1D
Entries 81
Mean −0.01007
Std Dev 0.8683

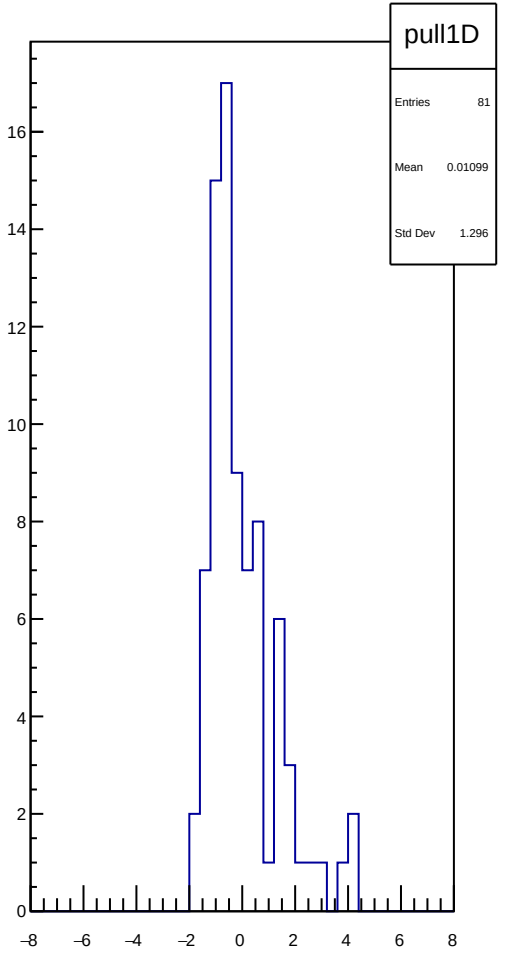

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.85 / 80
p0 38.01 ± 0.2235
pull
Entries 81
Mean −135.4
Std Dev 179
pull1D
Entries 81
Mean 0.01933
Std Dev 0.3819

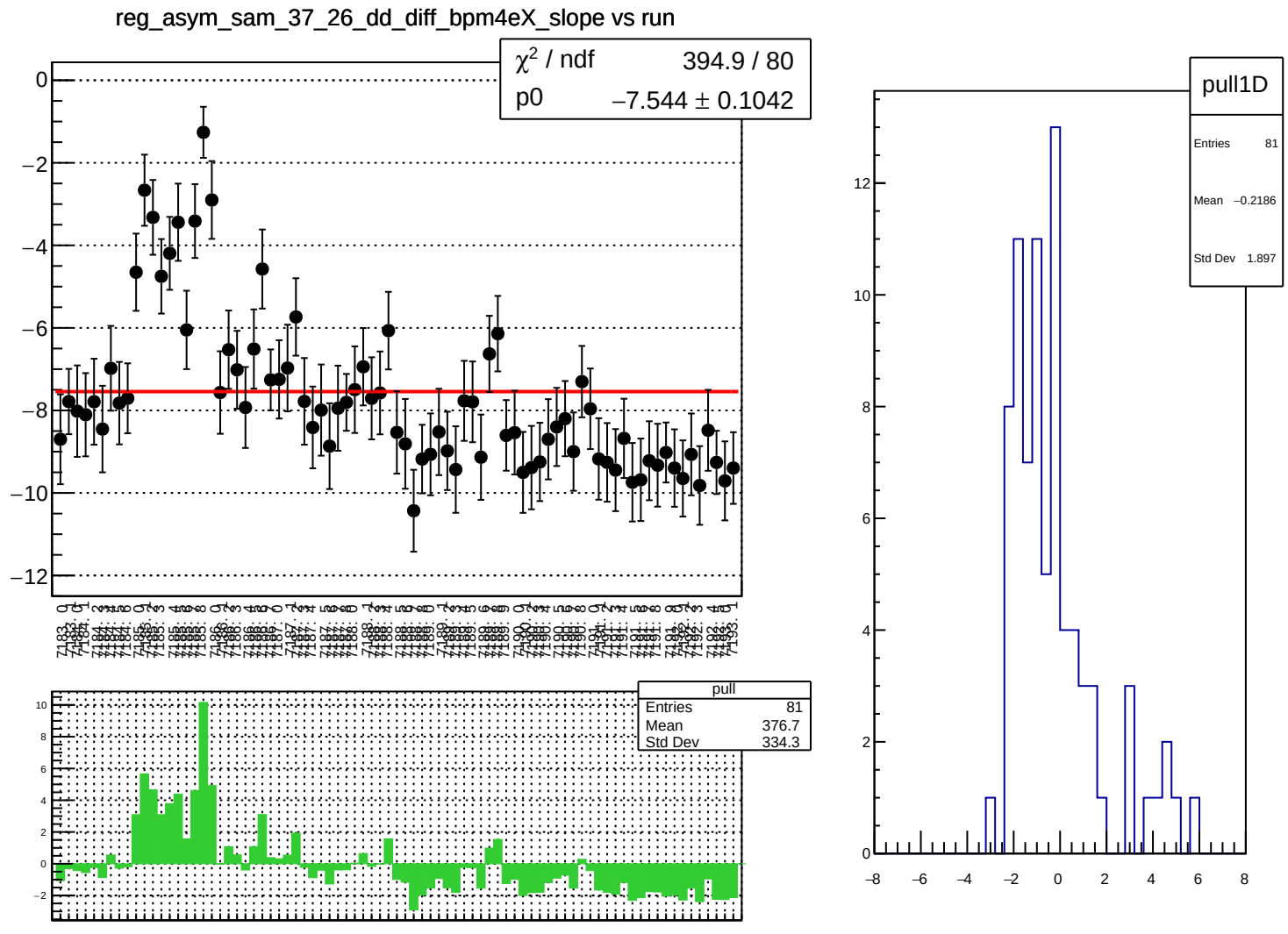

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 19.41 / 80
p0 −0.08085 ± 0.01008
pull
Entries 81
Mean −375.5
Std Dev 412.6

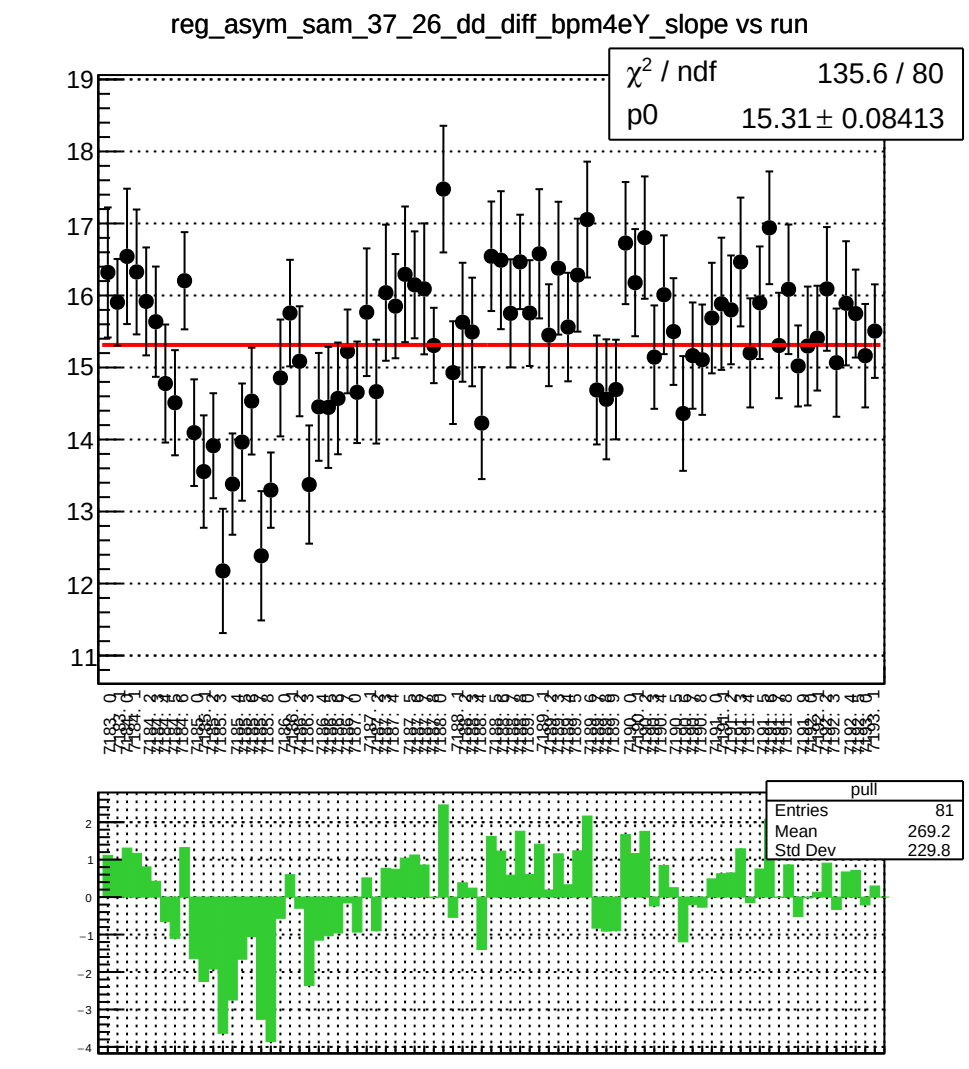

pull1D
Entries 81
Mean −0.02315
Std Dev 0.489

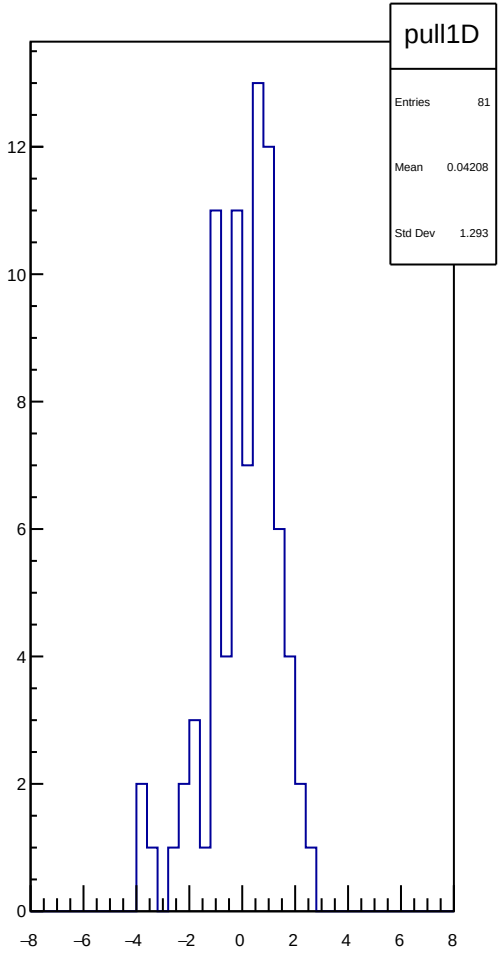

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 421.8 / 80
p0 0.7421 ± 0.104
pull
Entries 81
Mean 364.2
Std Dev 321.7
pull1D
Entries 81
Mean 0.2263
Std Dev 1.953

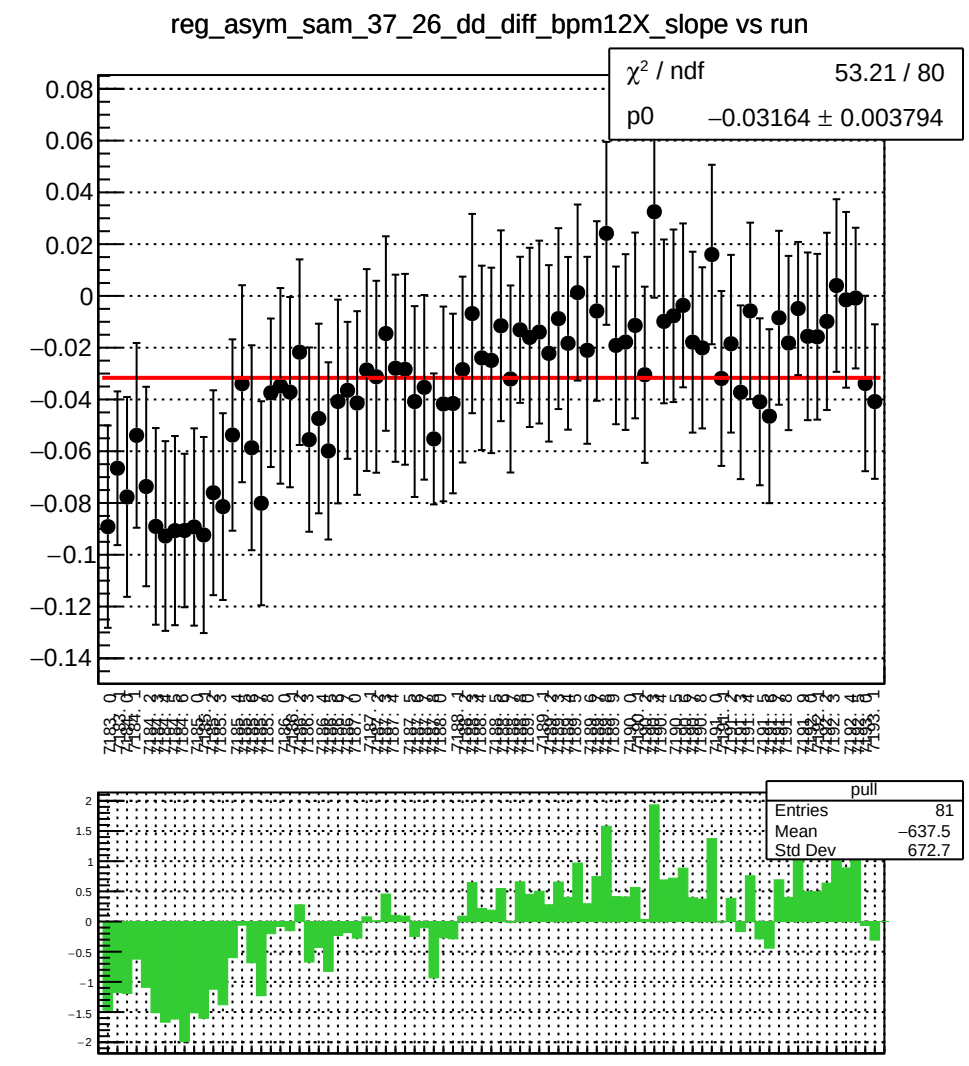

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 136 / 80
p0 −1.737 ± 0.07739
pull
Entries 81
Mean −1254
Std Dev 1295

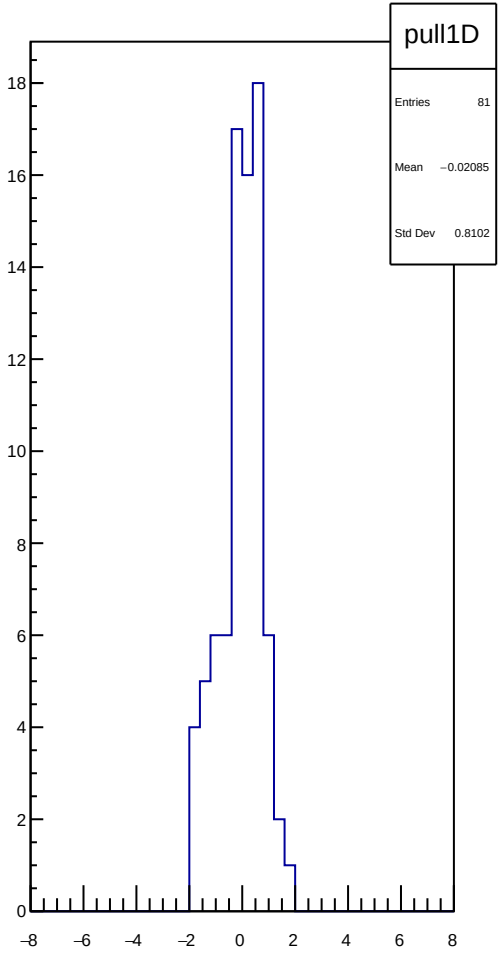

pull1D
Entries 81
Mean 0.01099
Std Dev 1.296

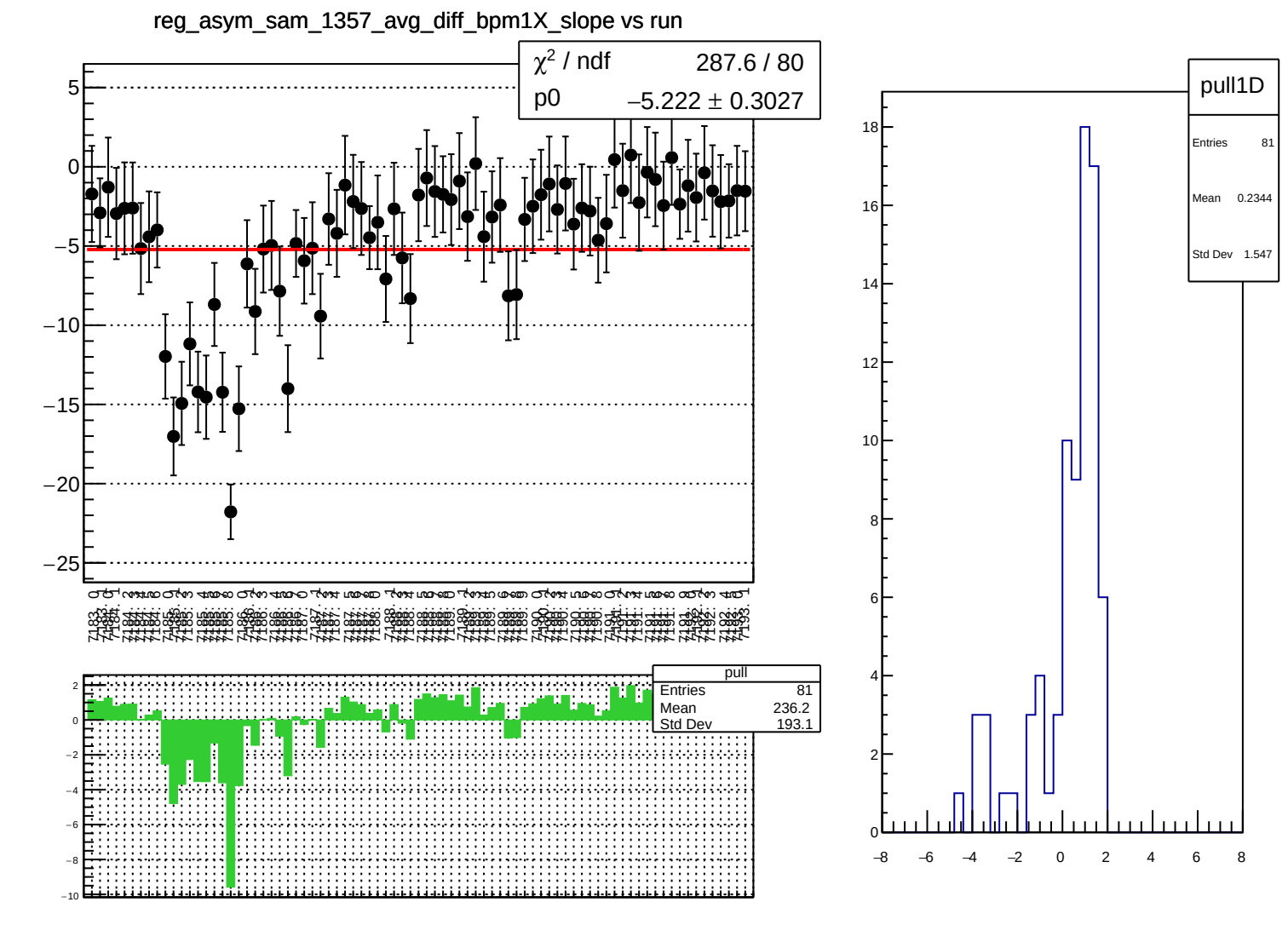

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 394.9 / 80
p0 −7.544 ± 0.1042
pull
Entries 81
Mean 376.7
Std Dev 334.3
pull1D
Entries 81
Mean −0.2186
Std Dev 1.897

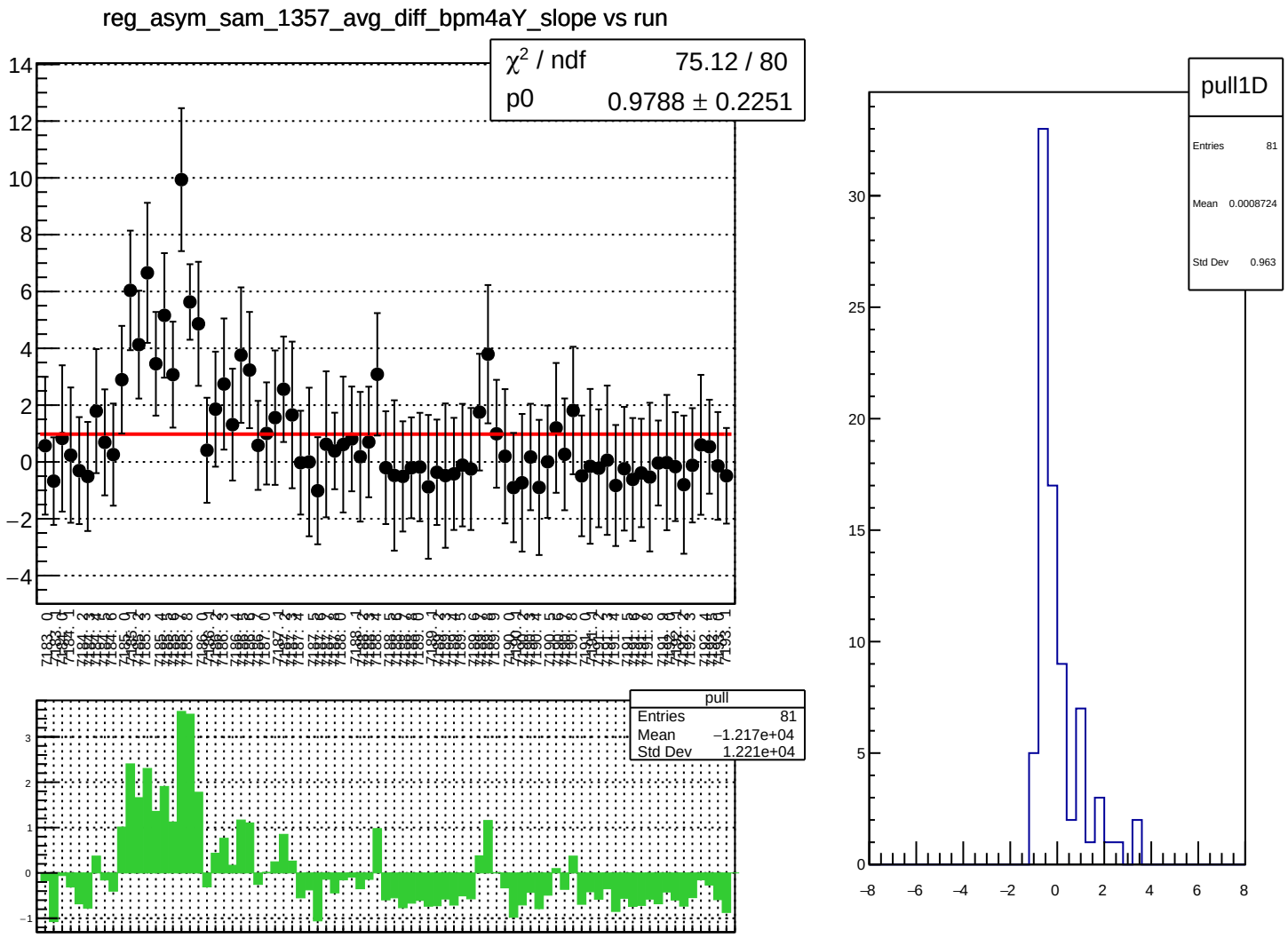

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 135.6 / 80
p0 15.31 ± 0.08413
pull
Entries 81
Mean 269.2
Std Dev 229.8

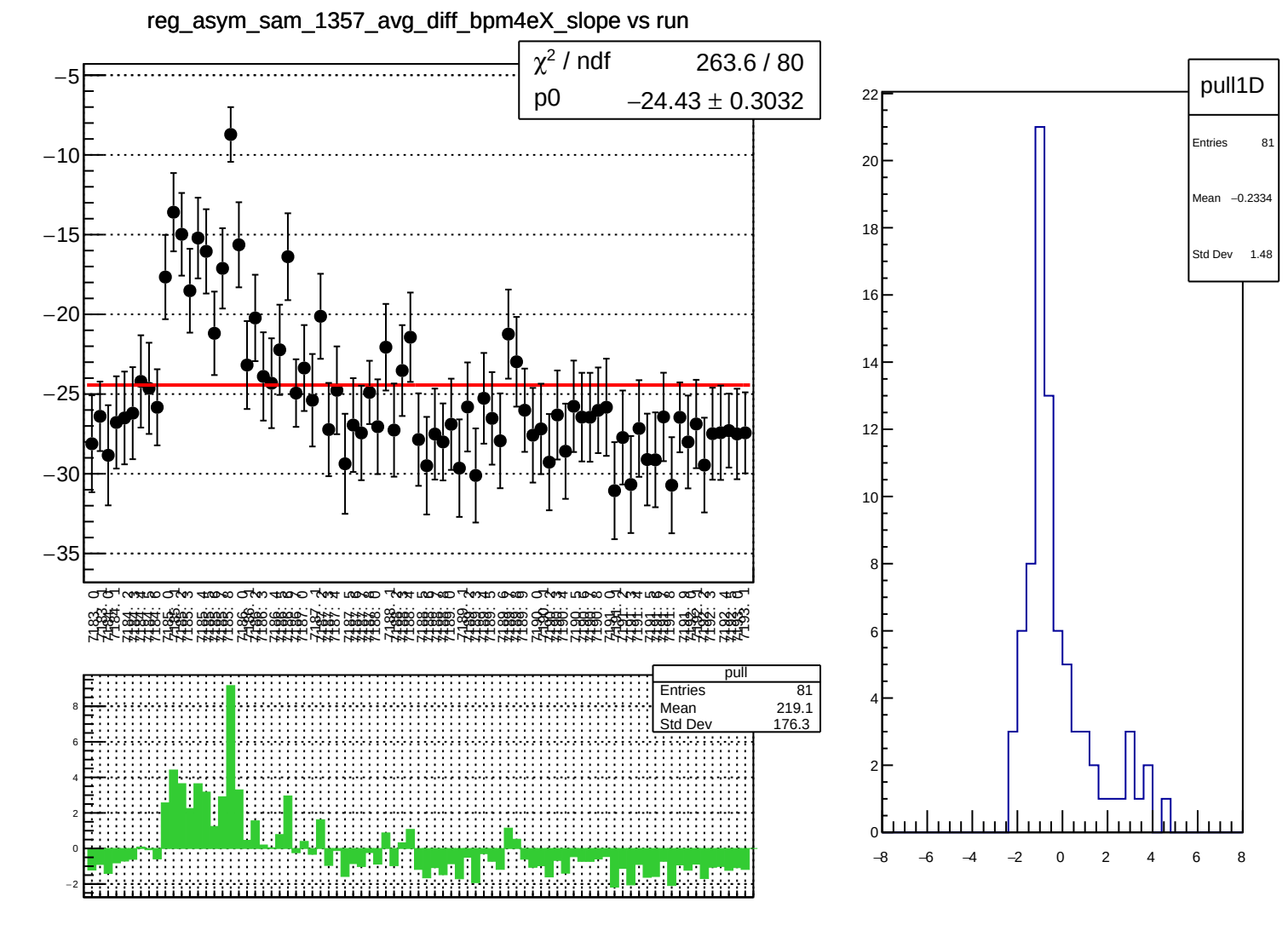

pull1D
Entries 81
Mean 0.04208
Std Dev 1.293

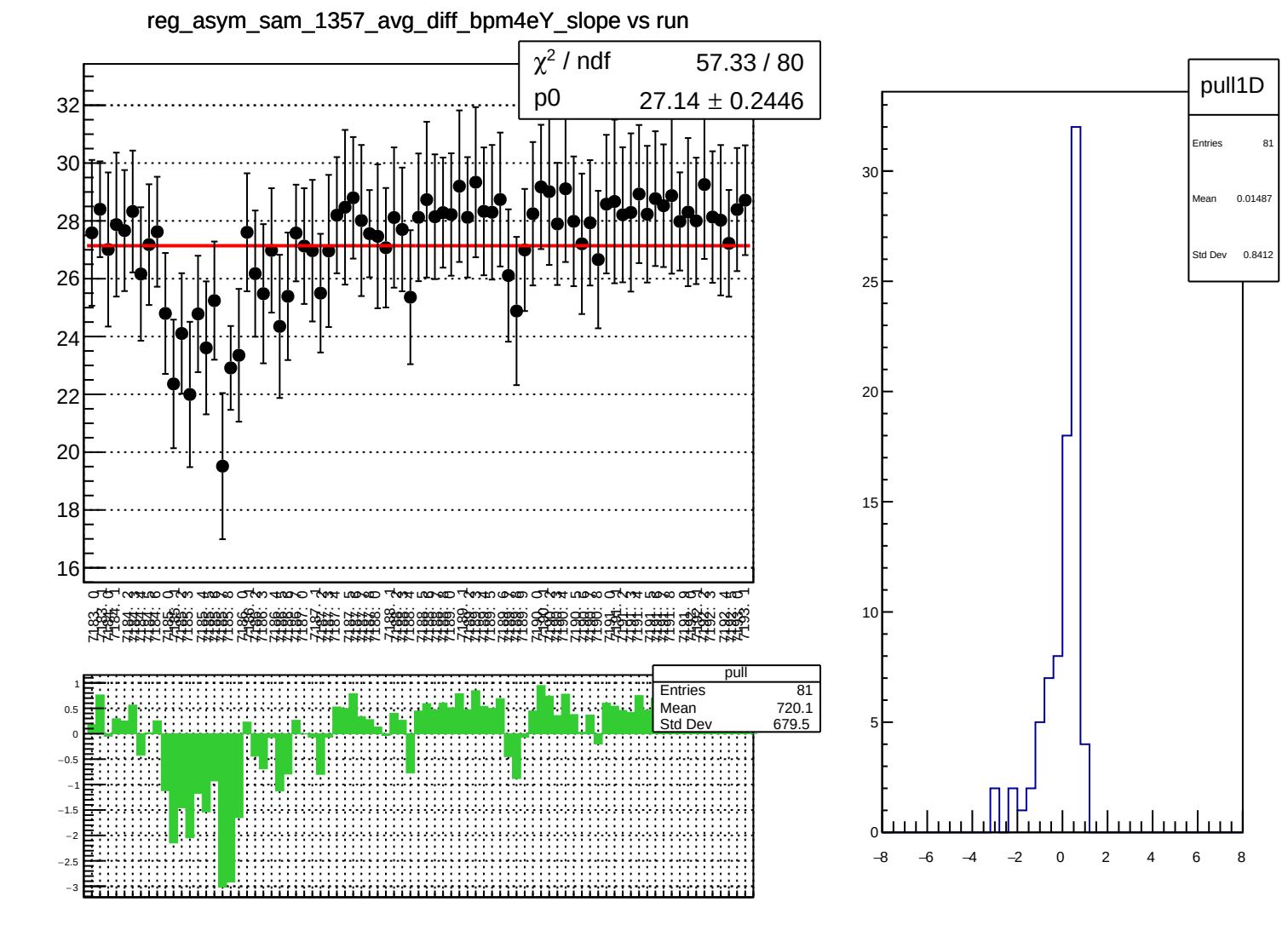

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 53.21 / 80
p0 −0.03164 ± 0.003794
pull
Entries 81
Mean −637.5
Std Dev 672.7

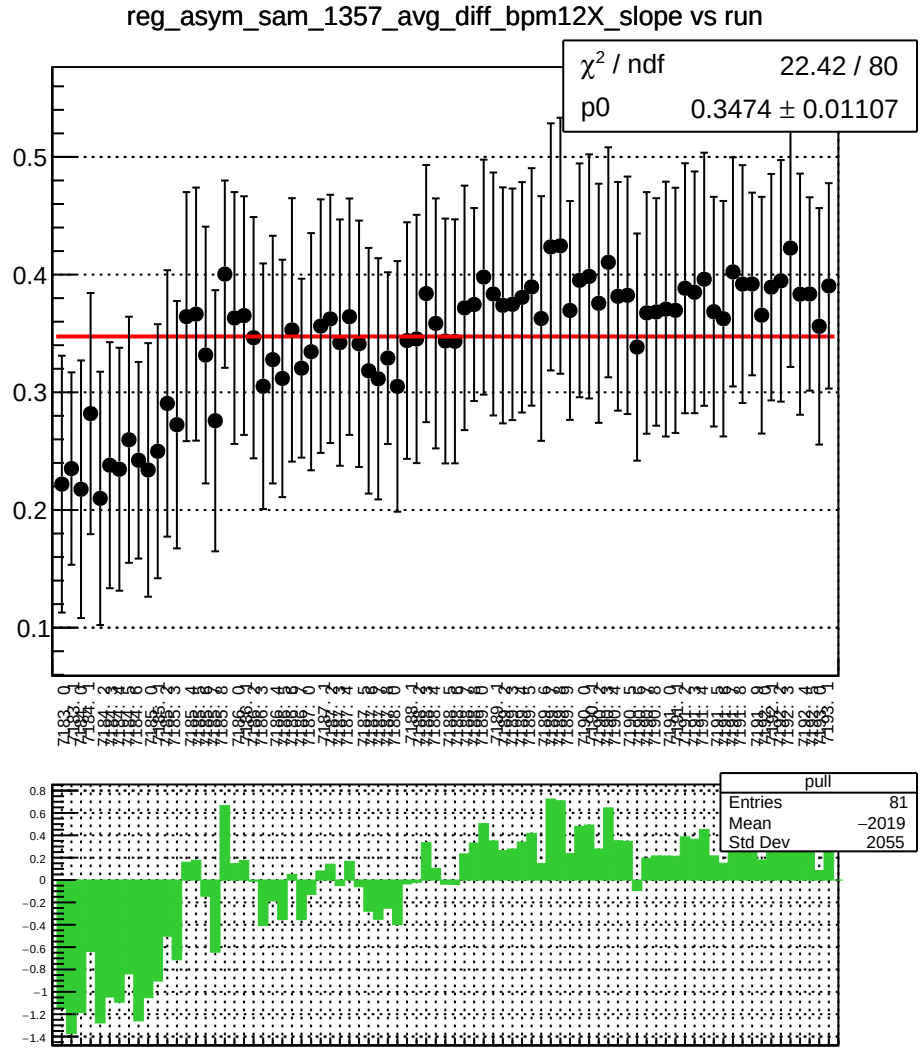

pull1D
Entries 81
Mean −0.02085
Std Dev 0.8102

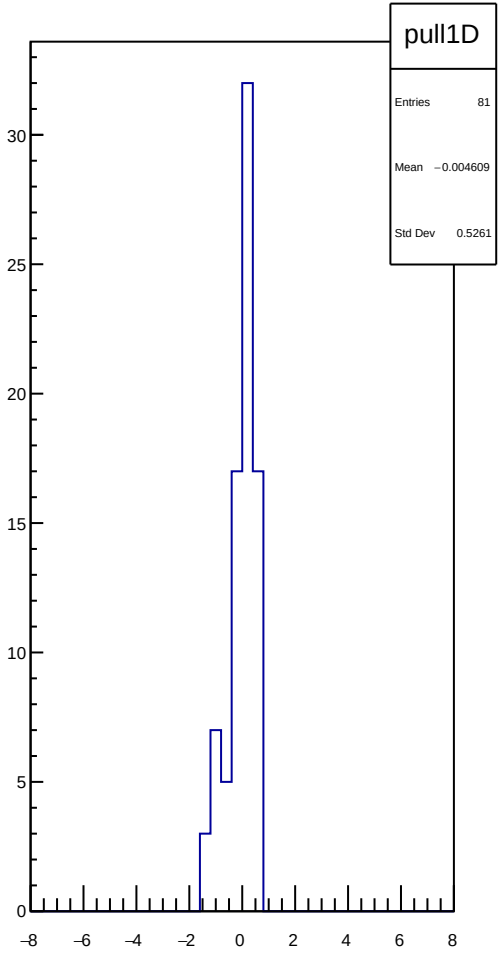

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 287.6 / 80
p0 −5.222 ± 0.3027
pull
Entries 81
Mean 236.2
Std Dev 193.1
pull1D
Entries 81
Mean 0.2344
Std Dev 1.547

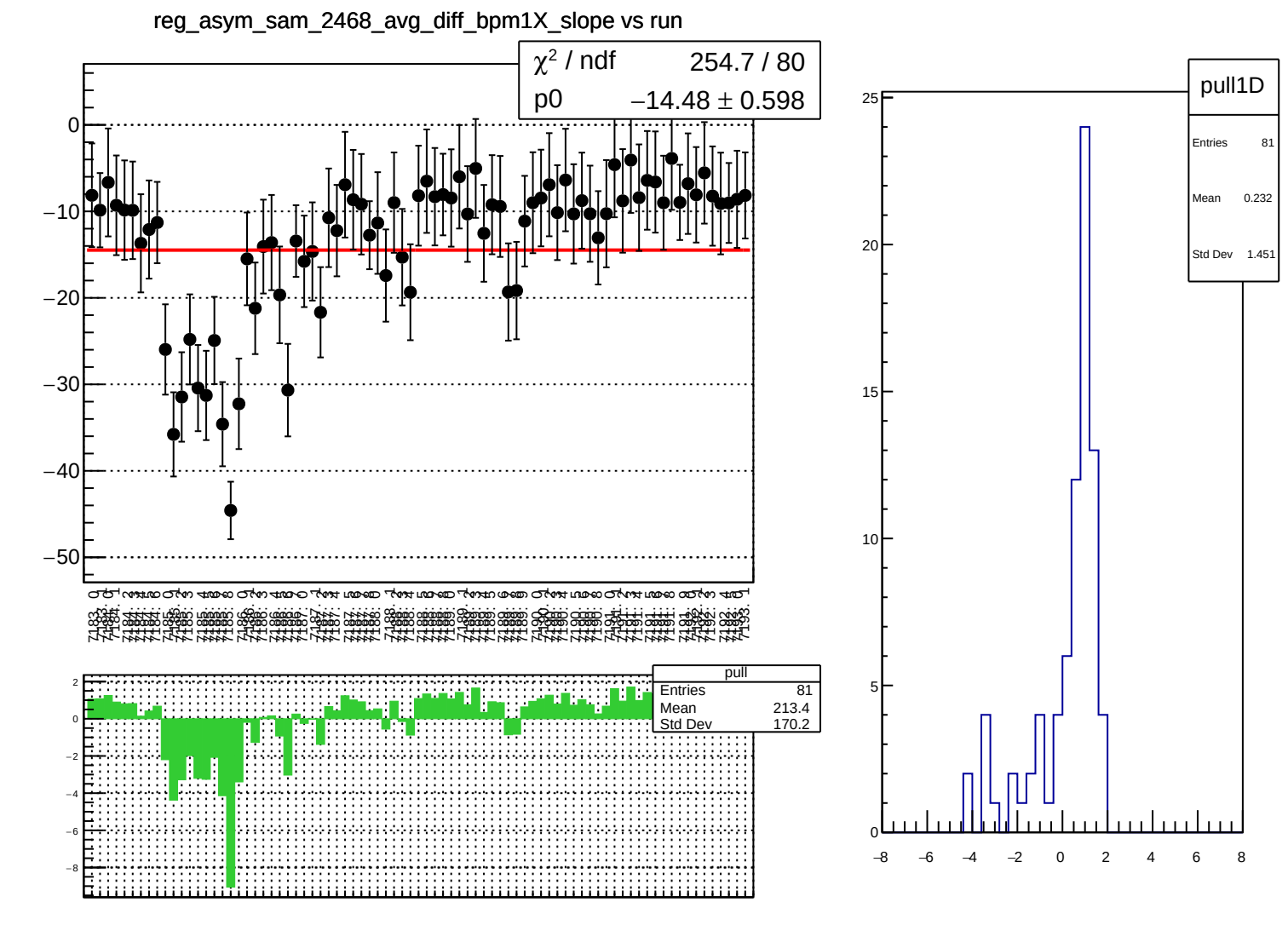

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 75.12 / 80
p0 0.9788 ± 0.2251
pull
Entries 81
Mean −1.217e+04
Std Dev 1.221e+04
pull1D
Entries 81
Mean 0.0008724
Std Dev 0.963

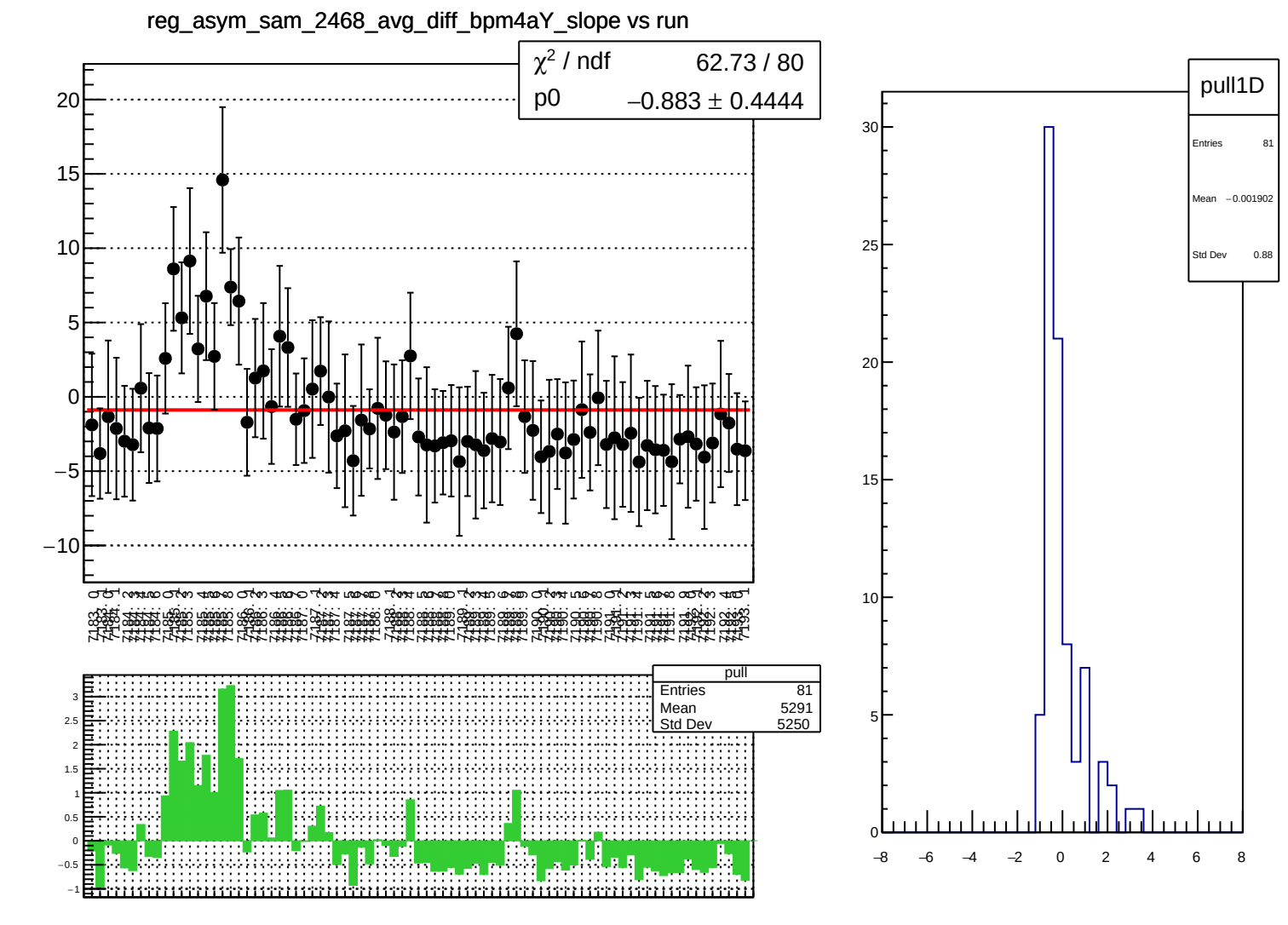

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 263.6 / 80
p0 −24.43 ± 0.3032
pull
Entries 81
Mean 219.1
Std Dev 176.3
pull1D
Entries 81
Mean −0.2334
Std Dev 1.48

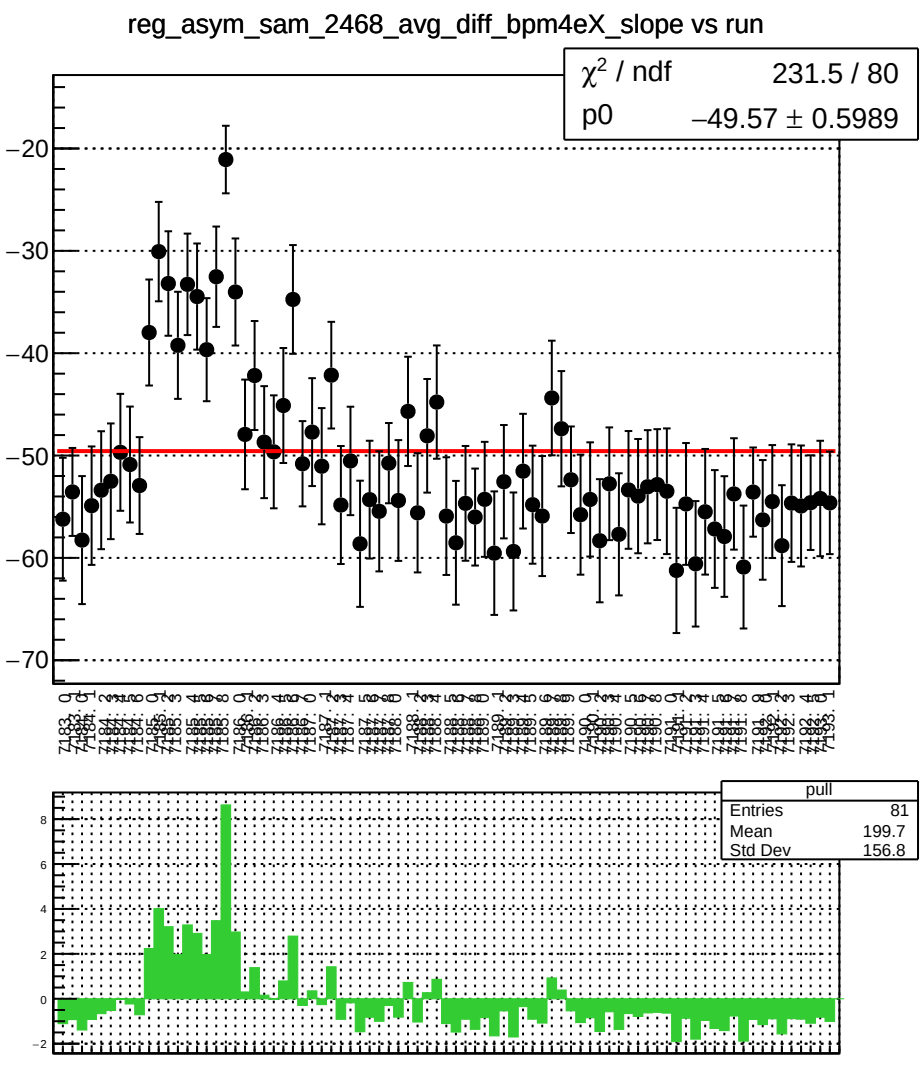

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.33 / 80
p0 27.14 ± 0.2446
pull
Entries 81
Mean 720.1
Std Dev 679.5
pull1D
Entries 81
Mean 0.01487
Std Dev 0.8412

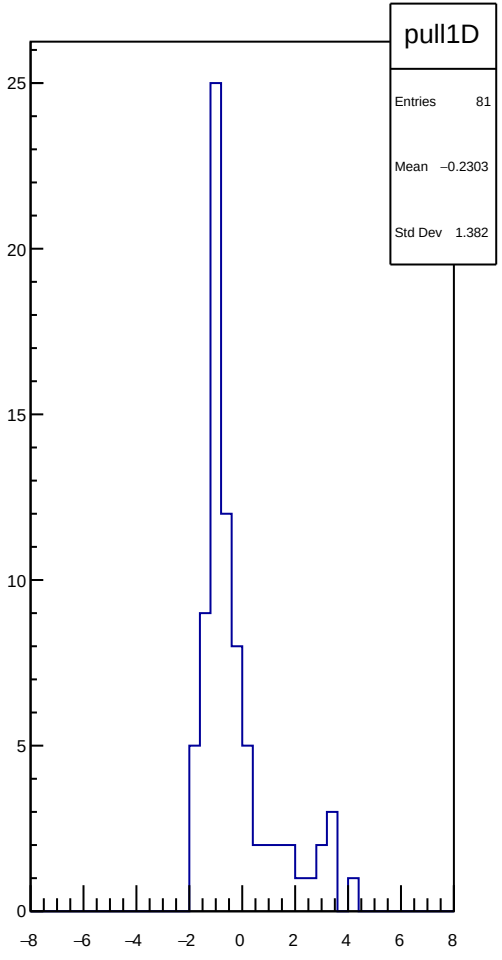

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 22.42 / 80
p0 0.3474 ± 0.01107
pull
Entries 81
Mean −2019
Std Dev 2055

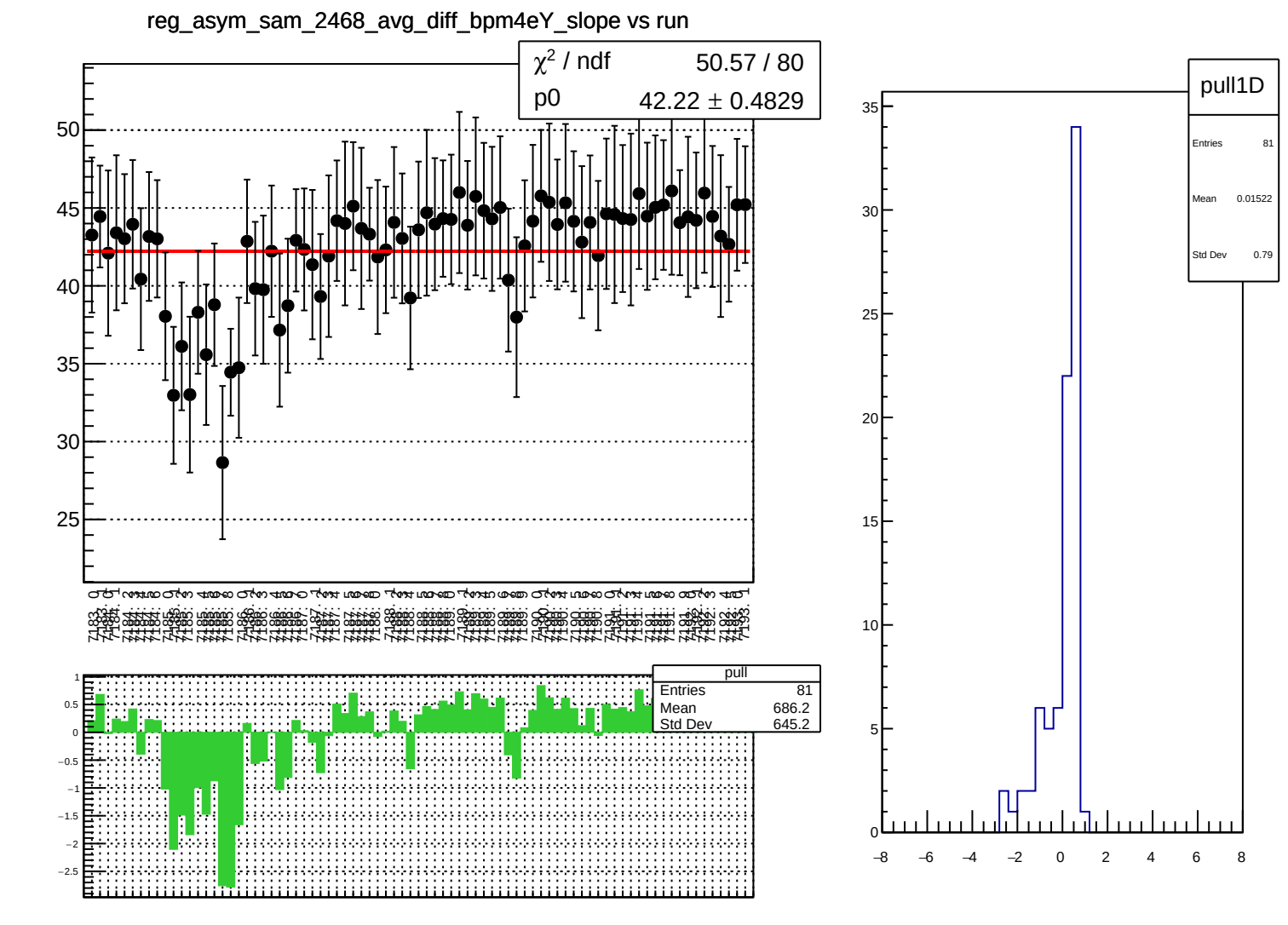

pull1D
Entries 81
Mean −0.004609
Std Dev 0.5261

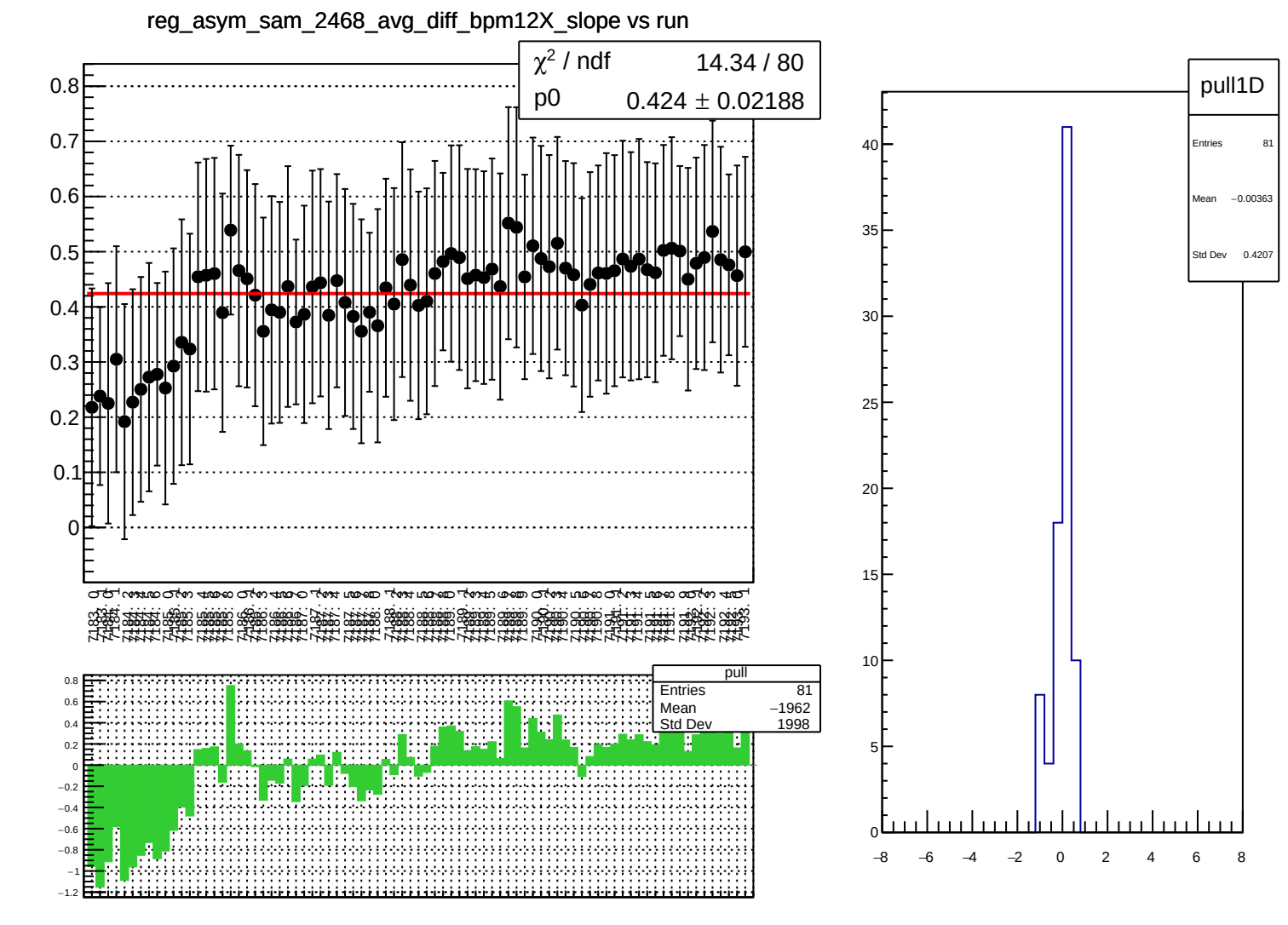

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 254.7 / 80
p0 −14.48 ± 0.598
pull
Entries 81
Mean 213.4
Std Dev 170.2
pull1D
Entries 81
Mean 0.232
Std Dev 1.451

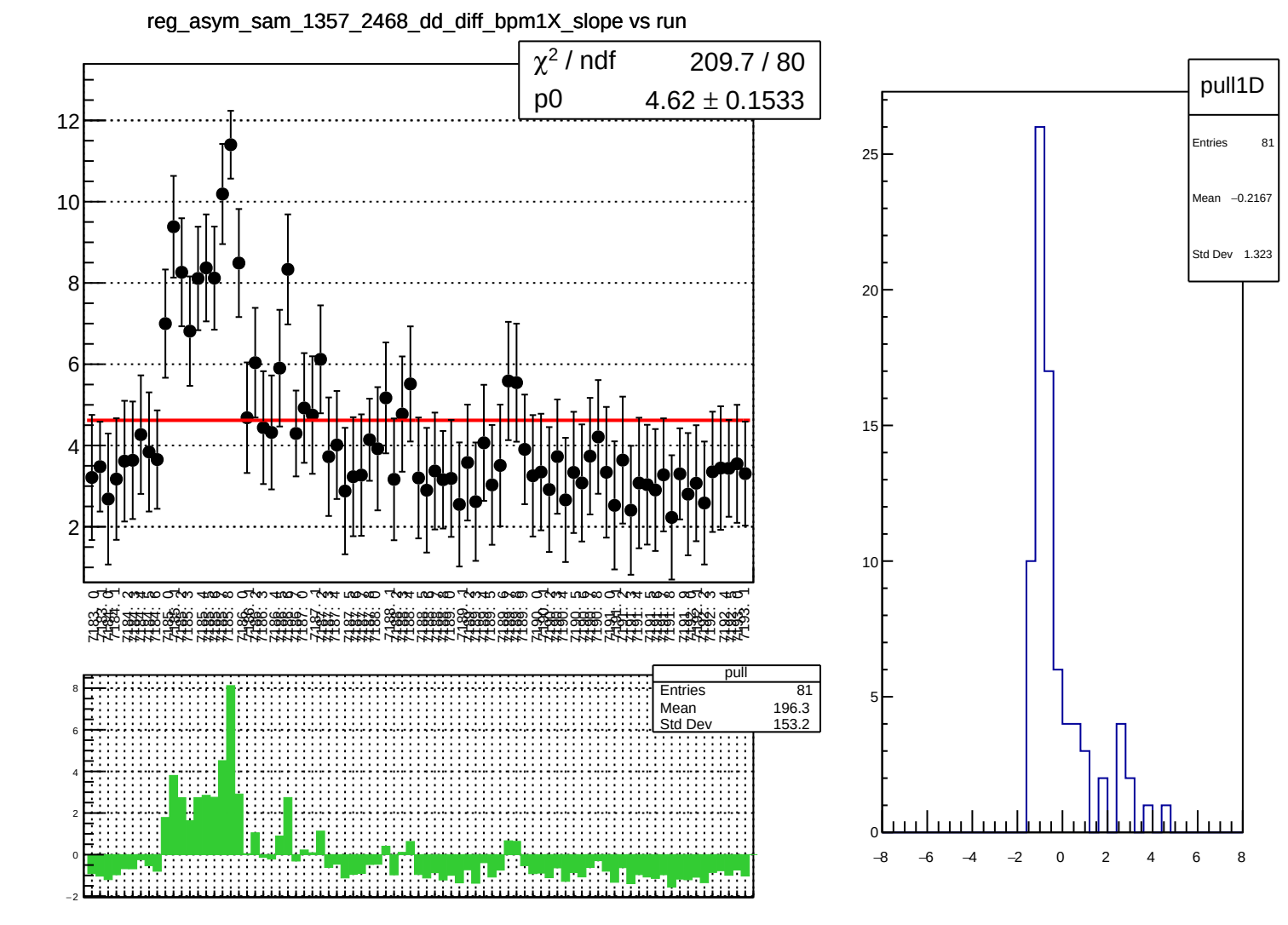

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.73 / 80
p0 −0.883 ± 0.4444
pull
Entries 81
Mean 5291
Std Dev 5250
pull1D
Entries 81
Mean −0.001902
Std Dev 0.88

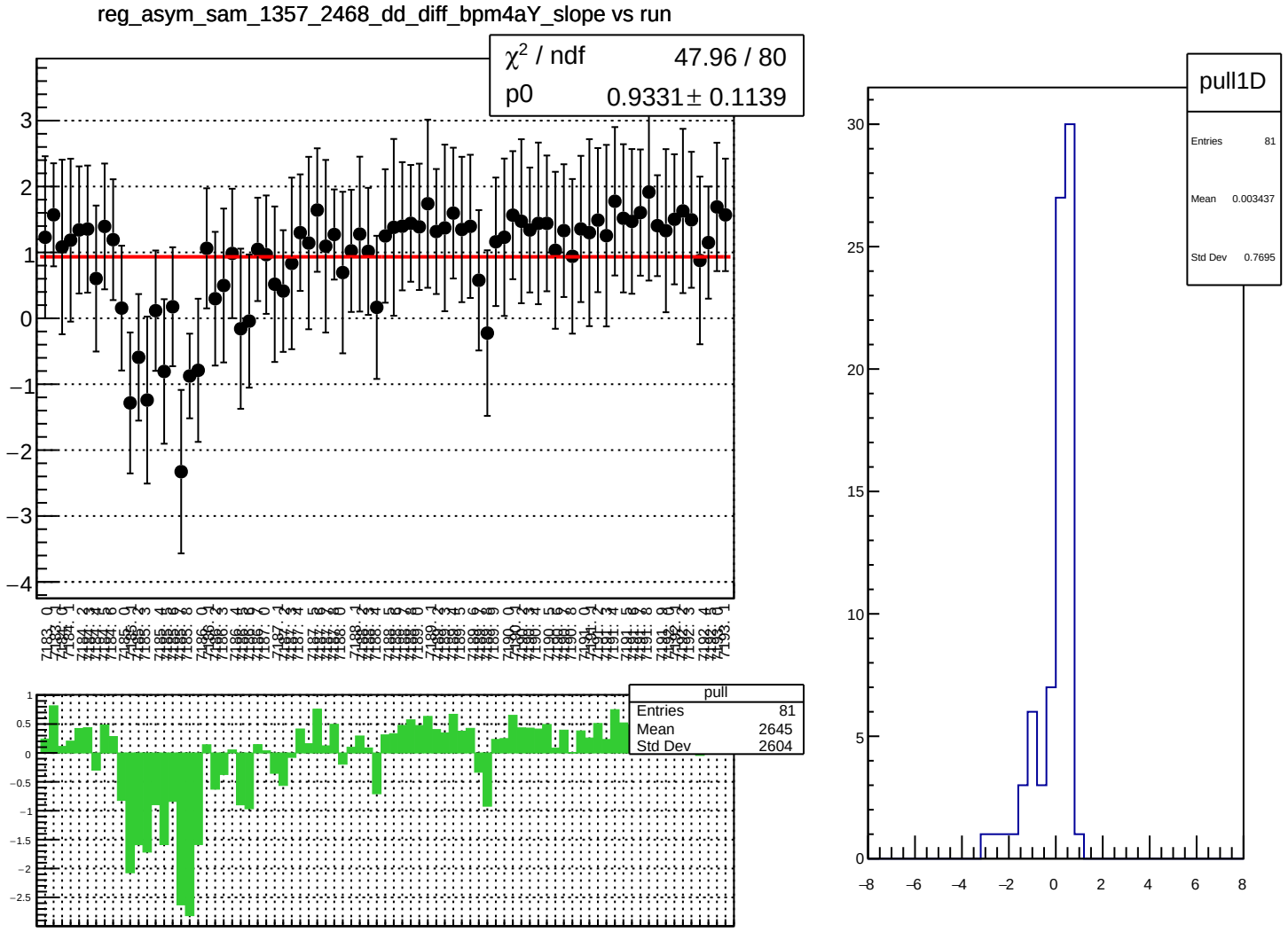

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 231.5 / 80
p0 −49.57 ± 0.5989
pull
Entries 81
Mean 199.7
Std Dev 156.8

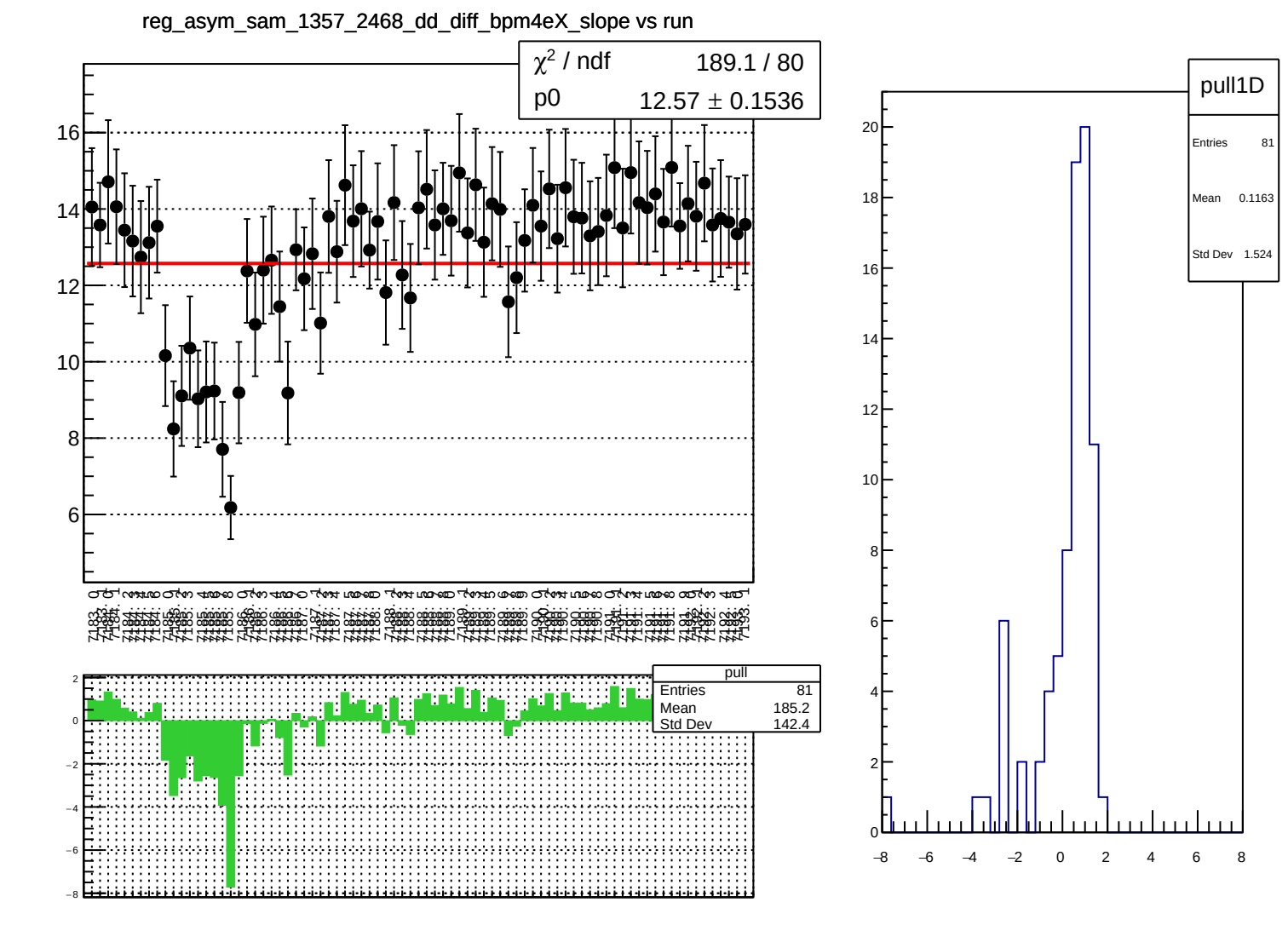

pull1D
Entries 81
Mean −0.2303
Std Dev 1.382

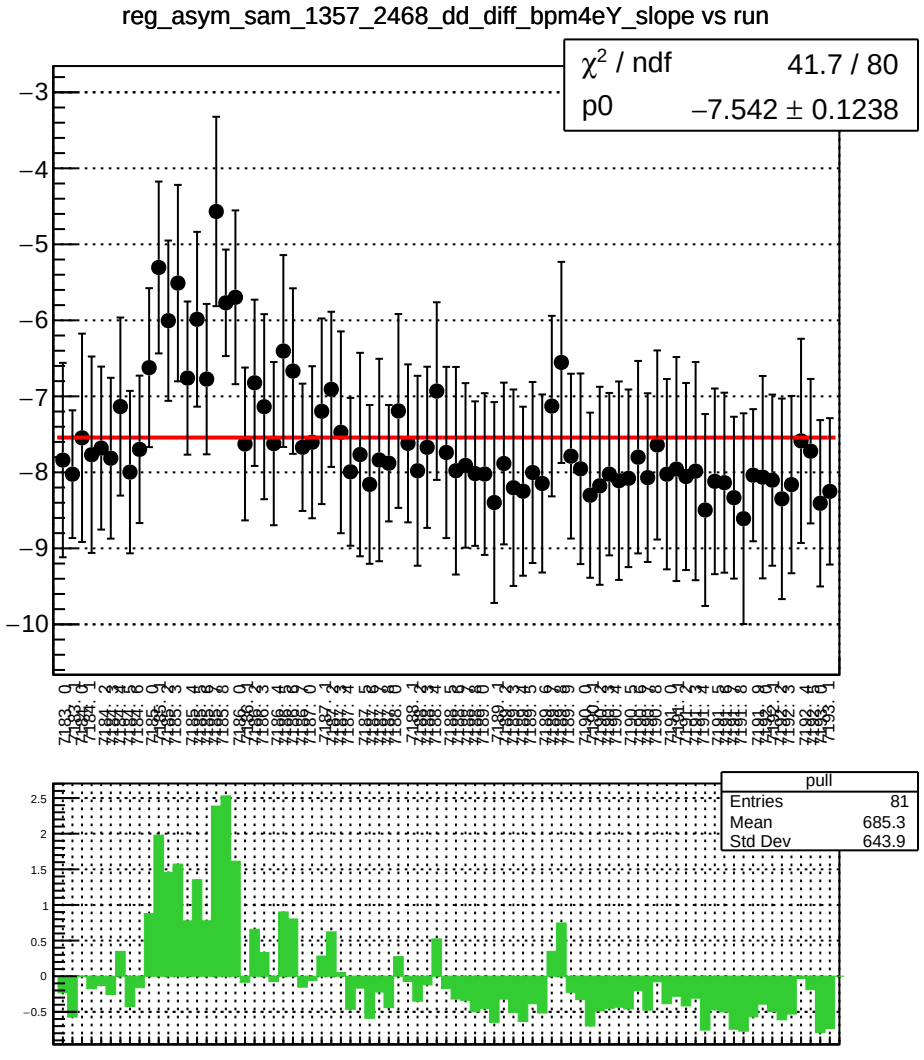

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.57 / 80
p0 42.22 ± 0.4829
pull
Entries 81
Mean 686.2
Std Dev 645.2
pull1D
Entries 81
Mean 0.01522
Std Dev 0.79

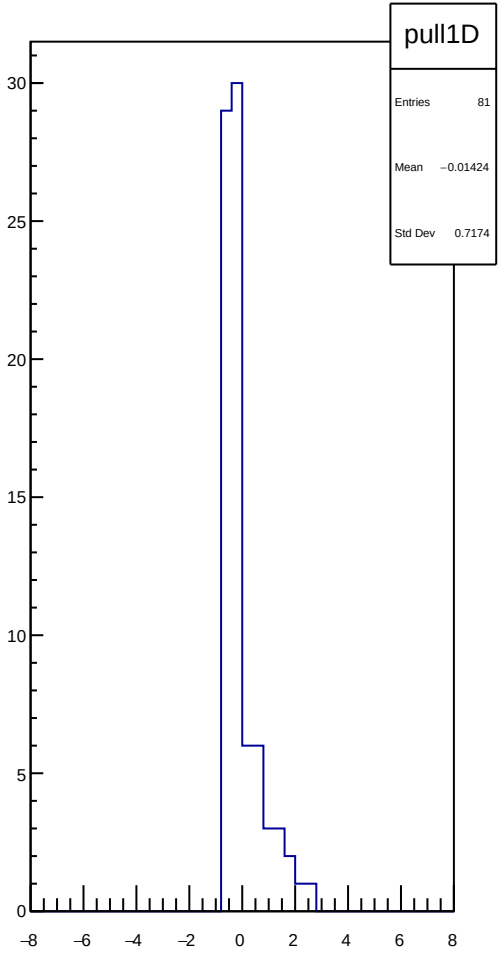

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 14.34 / 80
p0 0.424 ± 0.02188
pull
Entries 81
Mean −1962
Std Dev 1998
pull1D
Entries 81
Mean −0.00363
Std Dev 0.4207

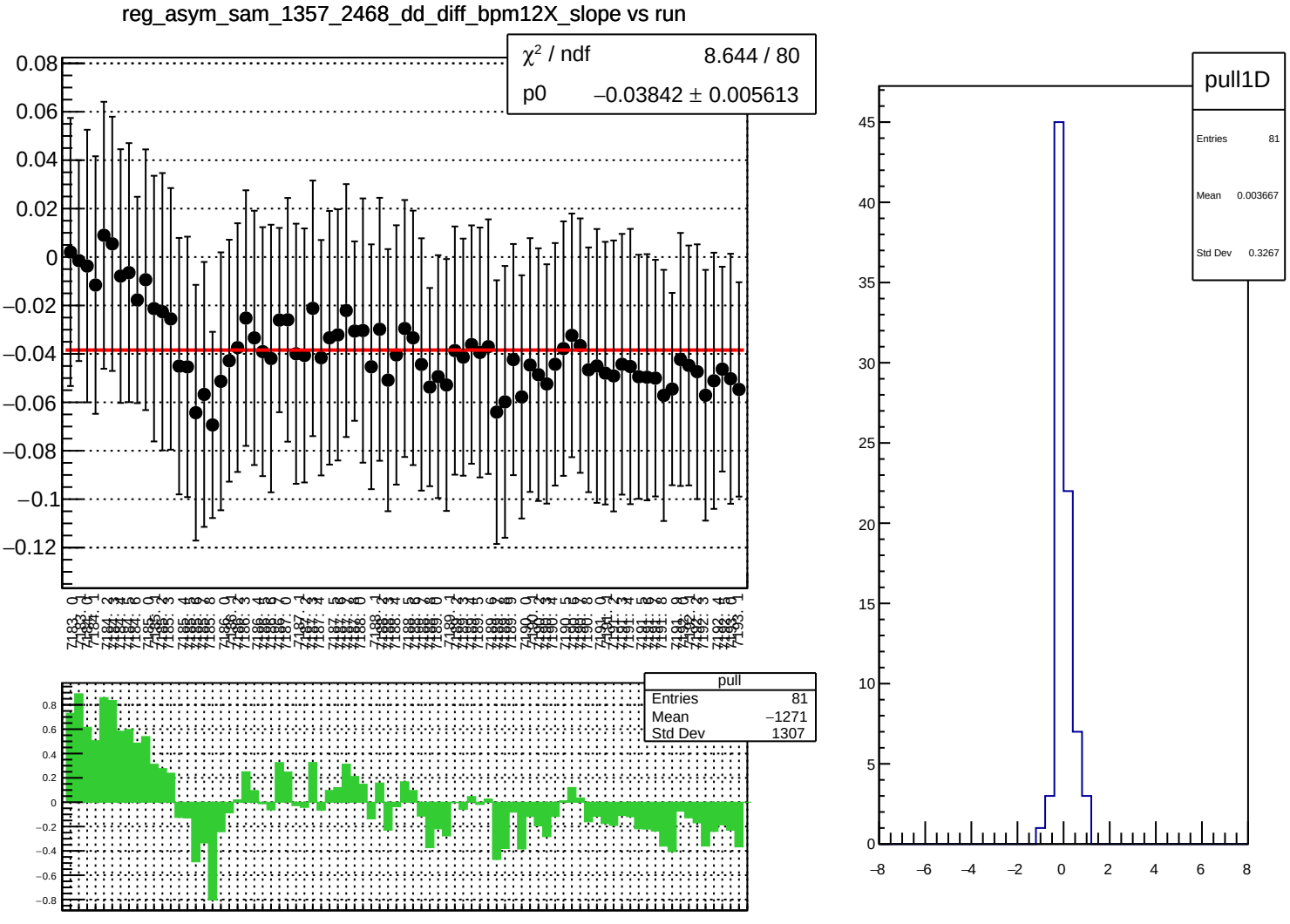

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 209.7 / 80
p0 4.62 ± 0.1533
pull
Entries 81
Mean 196.3
Std Dev 153.2
pull1D
Entries 81
Mean −0.2167
Std Dev 1.323

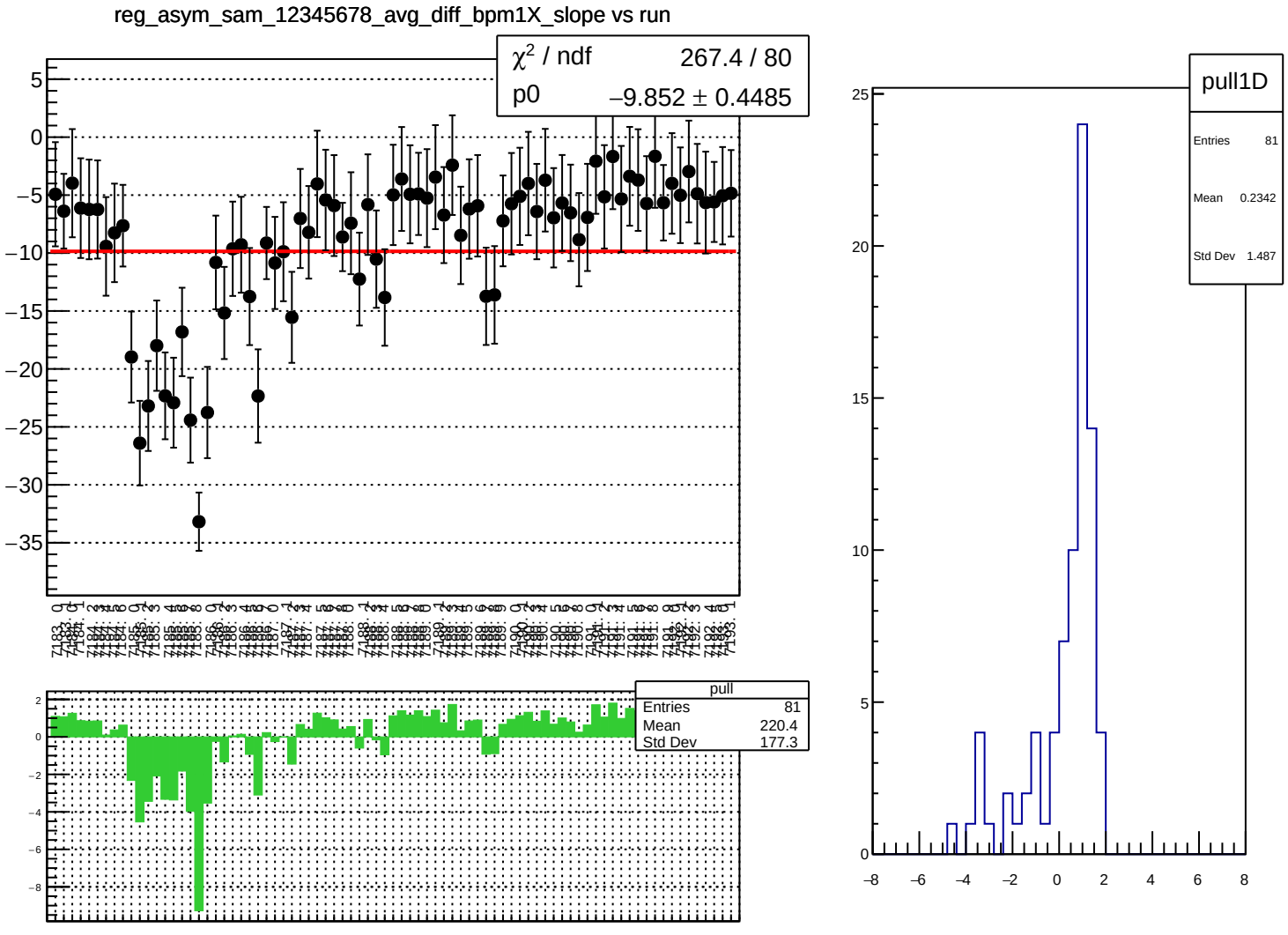

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.96 / 80
p0 0.9331 ± 0.1139
pull
Entries 81
Mean 2645
Std Dev 2604
pull1D
Entries 81
Mean 0.003437
Std Dev 0.7695

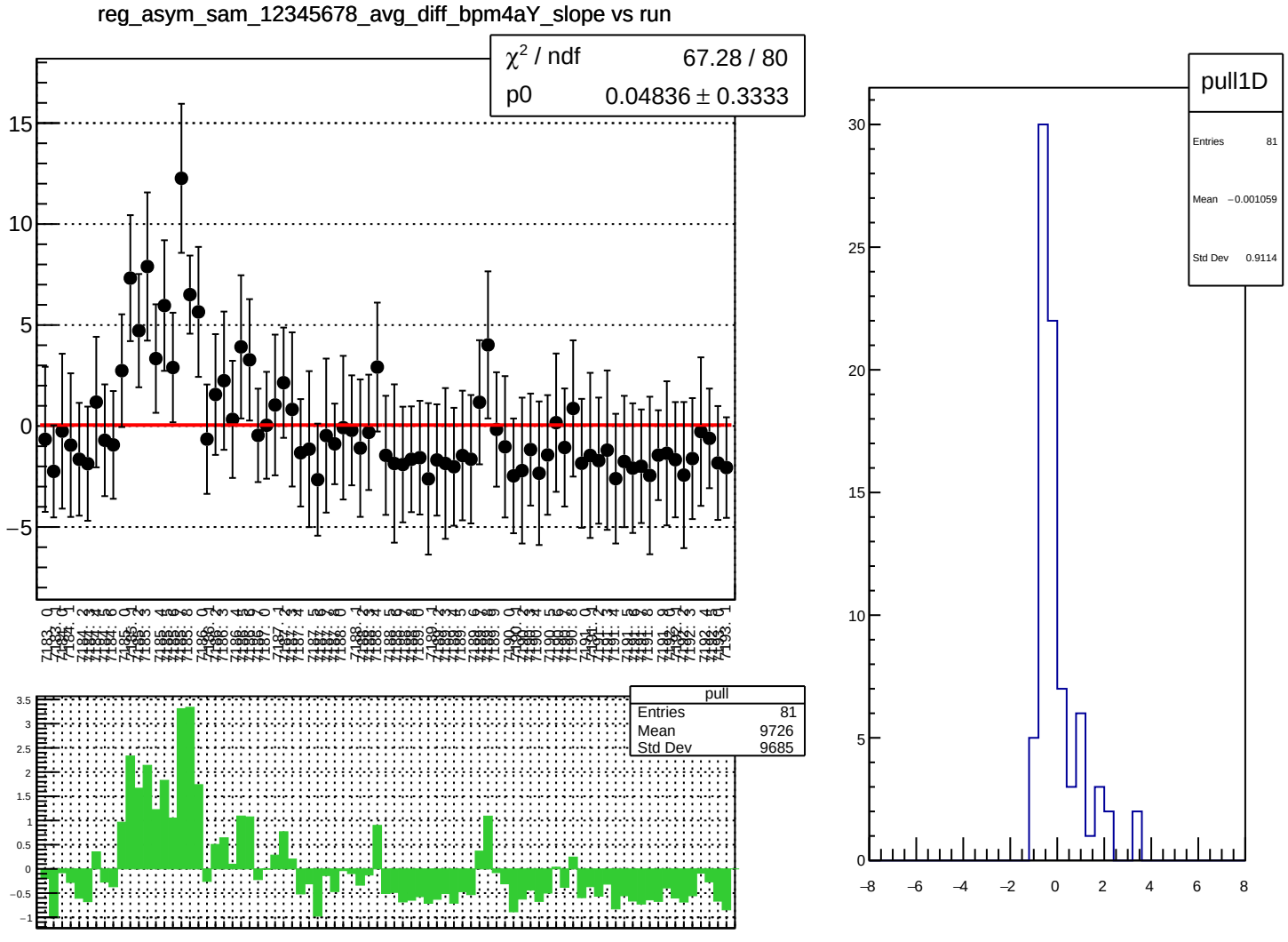

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 189.1 / 80
p0 12.57 ± 0.1536
pull
Entries 81
Mean 185.2
Std Dev 142.4
pull1D
Entries 81
Mean 0.1163
Std Dev 1.524

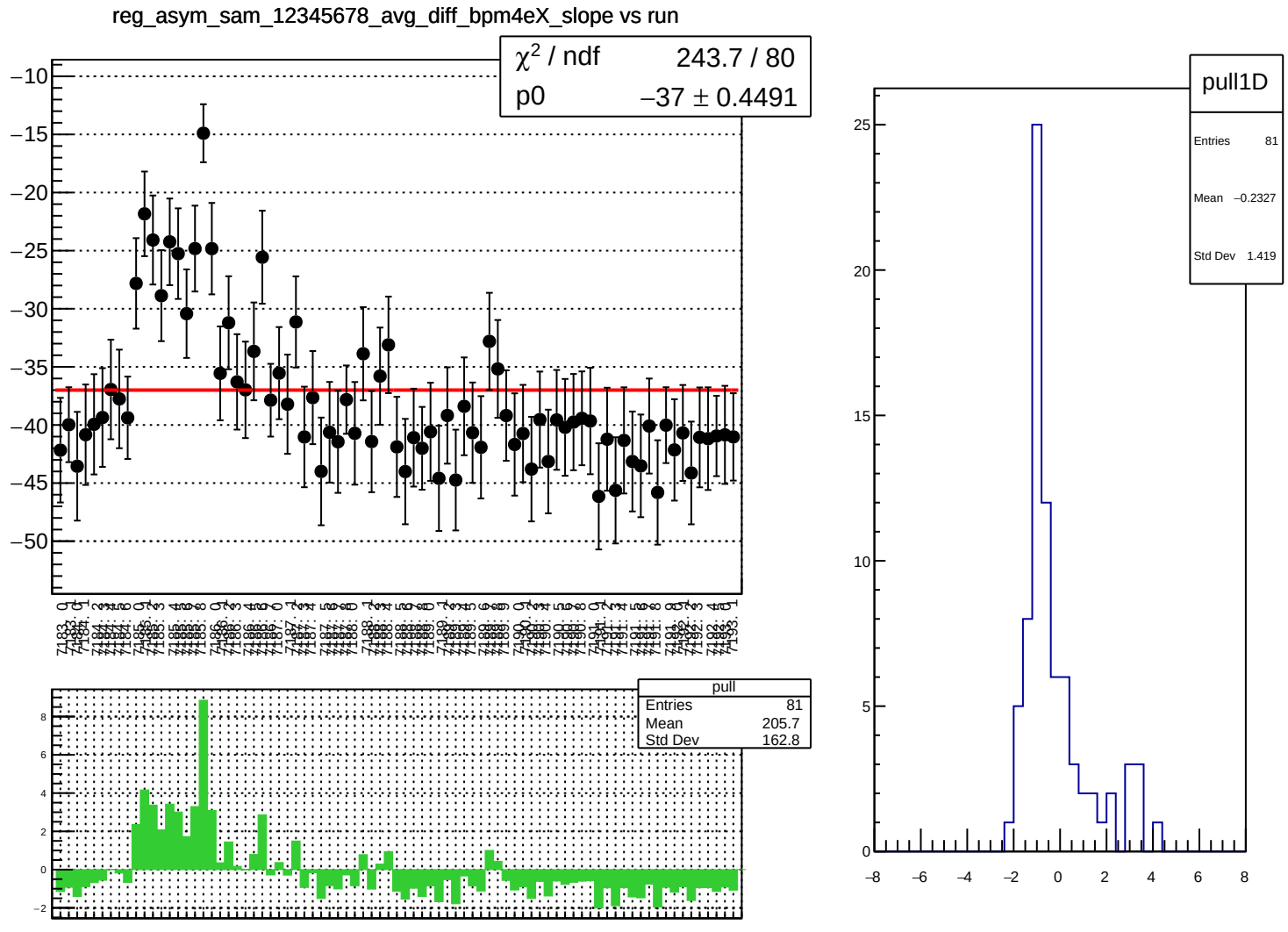

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 41.7 / 80
p0 −7.542 ± 0.1238
pull
Entries 81
Mean 685.3
Std Dev 643.9

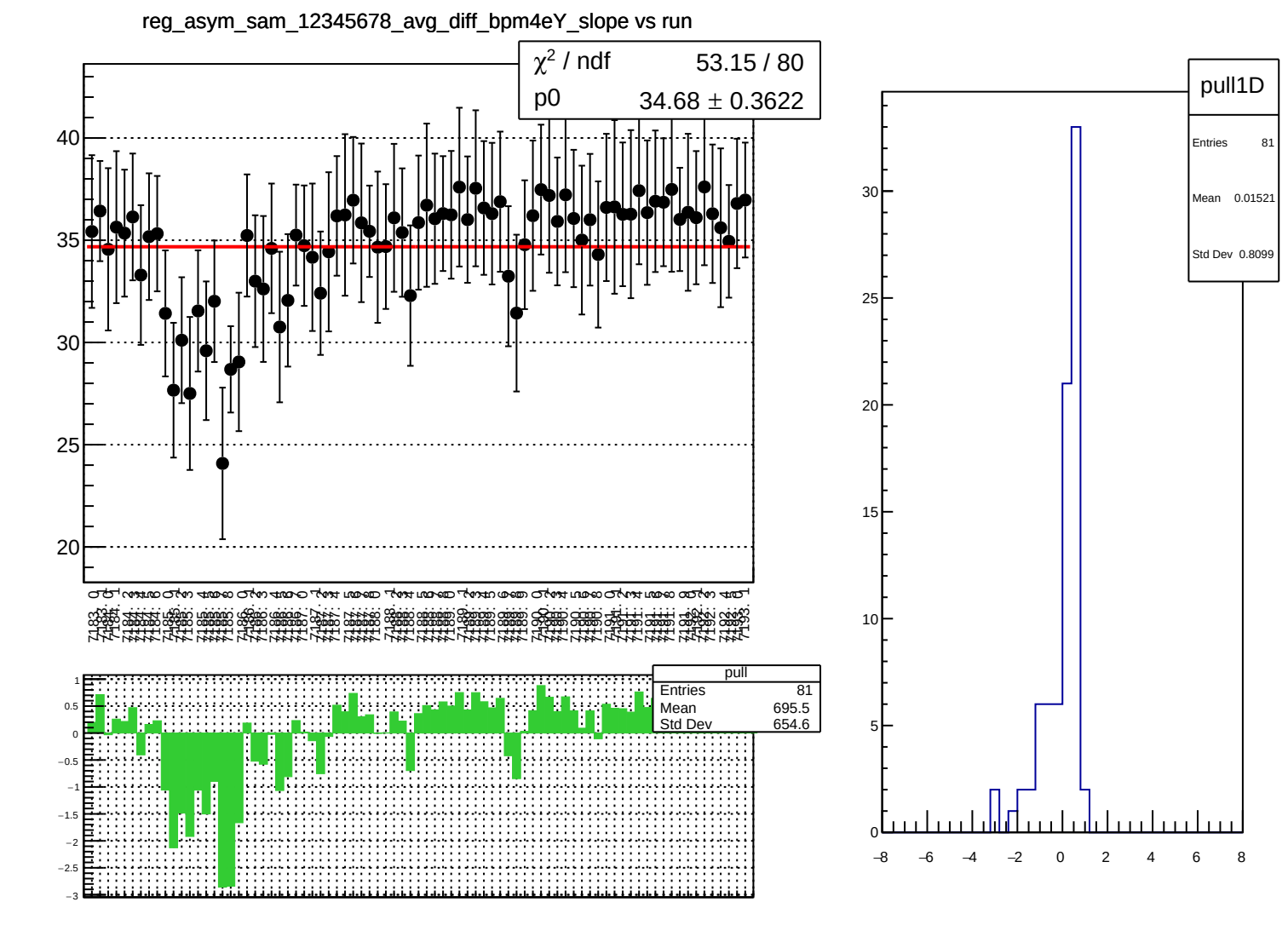

pull1D
Entries 81
Mean −0.01424
Std Dev 0.7174

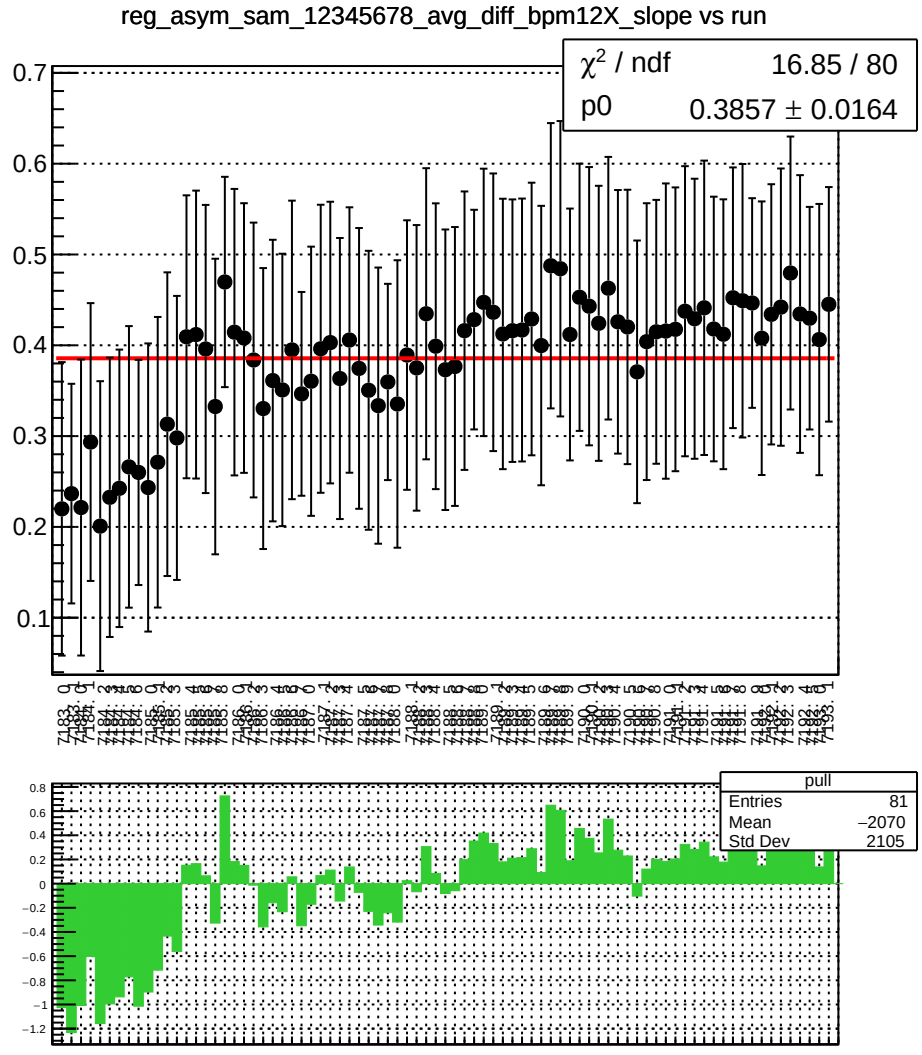

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 8.644 / 80
p0 −0.03842 ± 0.005613
pull
Entries 81
Mean −1271
Std Dev 1307
pull1D
Entries 81
Mean 0.003667
Std Dev 0.3267

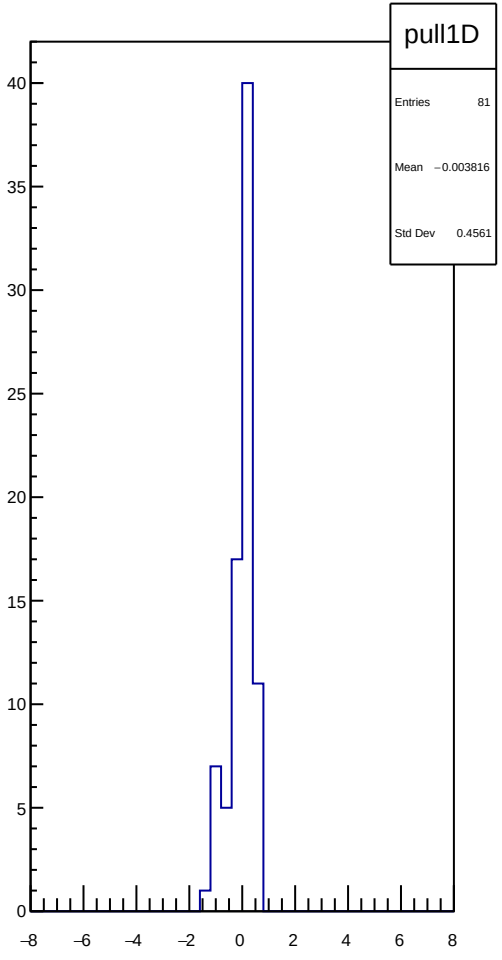

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 267.4 / 80
p0 −9.852 ± 0.4485
pull
Entries 81
Mean 220.4
Std Dev 177.3
pull1D
Entries 81
Mean 0.2342
Std Dev 1.487

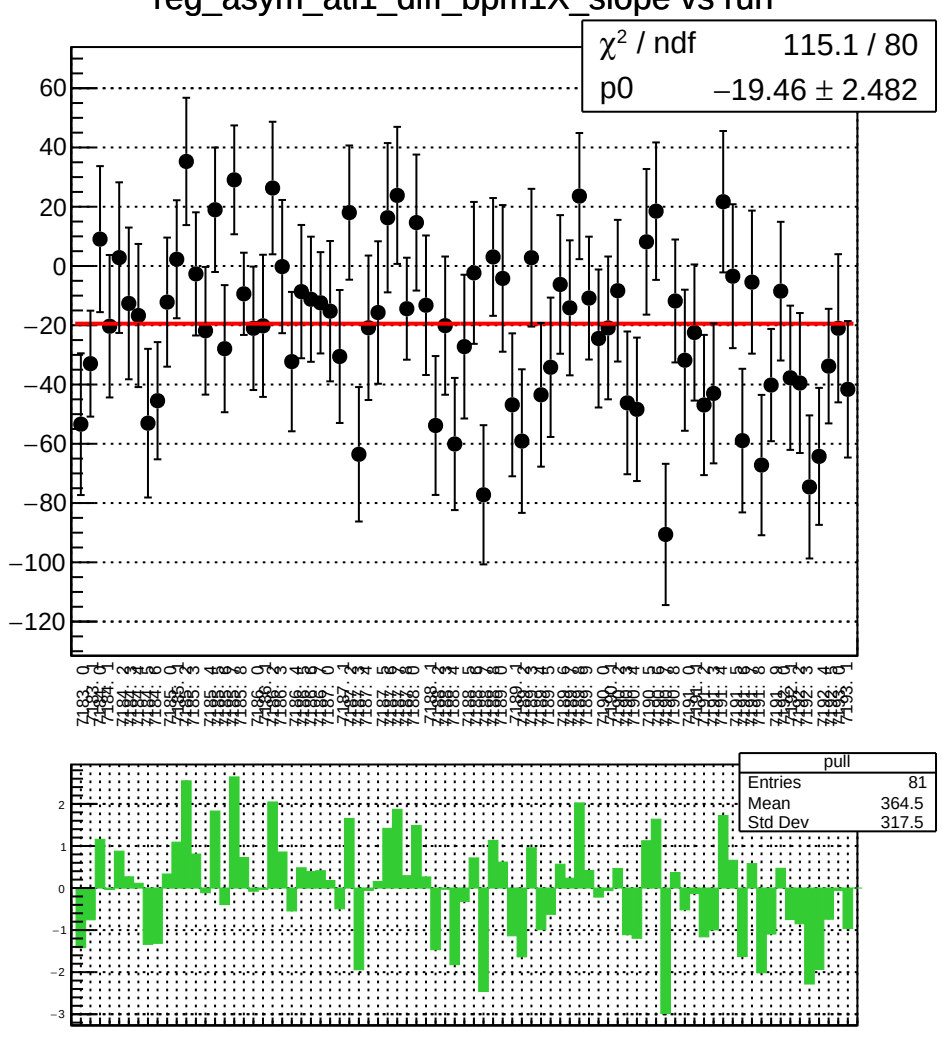

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.28 / 80
p0 0.04836 ± 0.3333
pull
Entries 81
Mean 9726
Std Dev 9685
pull1D
Entries 81
Mean −0.001059
Std Dev 0.9114

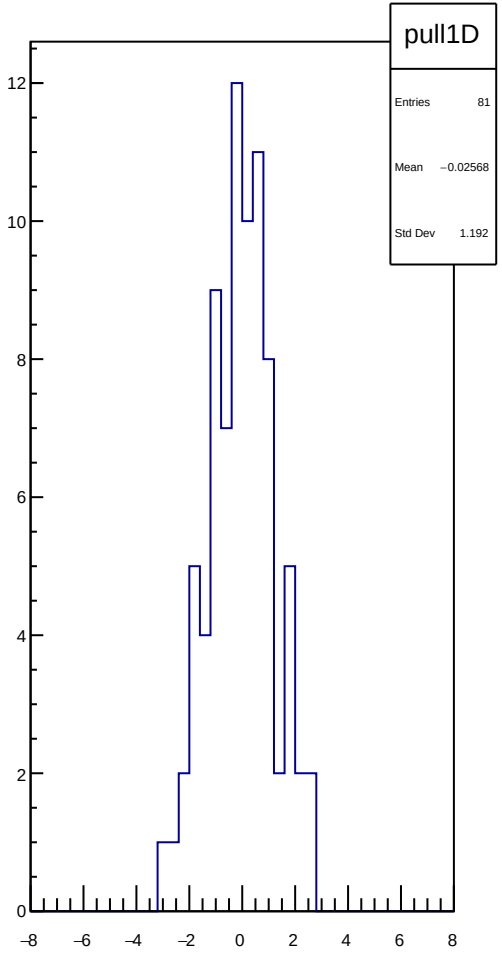

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 243.7 / 80
p0 −37 ± 0.4491
pull
Entries 81
Mean 205.7
Std Dev 162.8
pull1D
Entries 81
Mean −0.2327
Std Dev 1.419

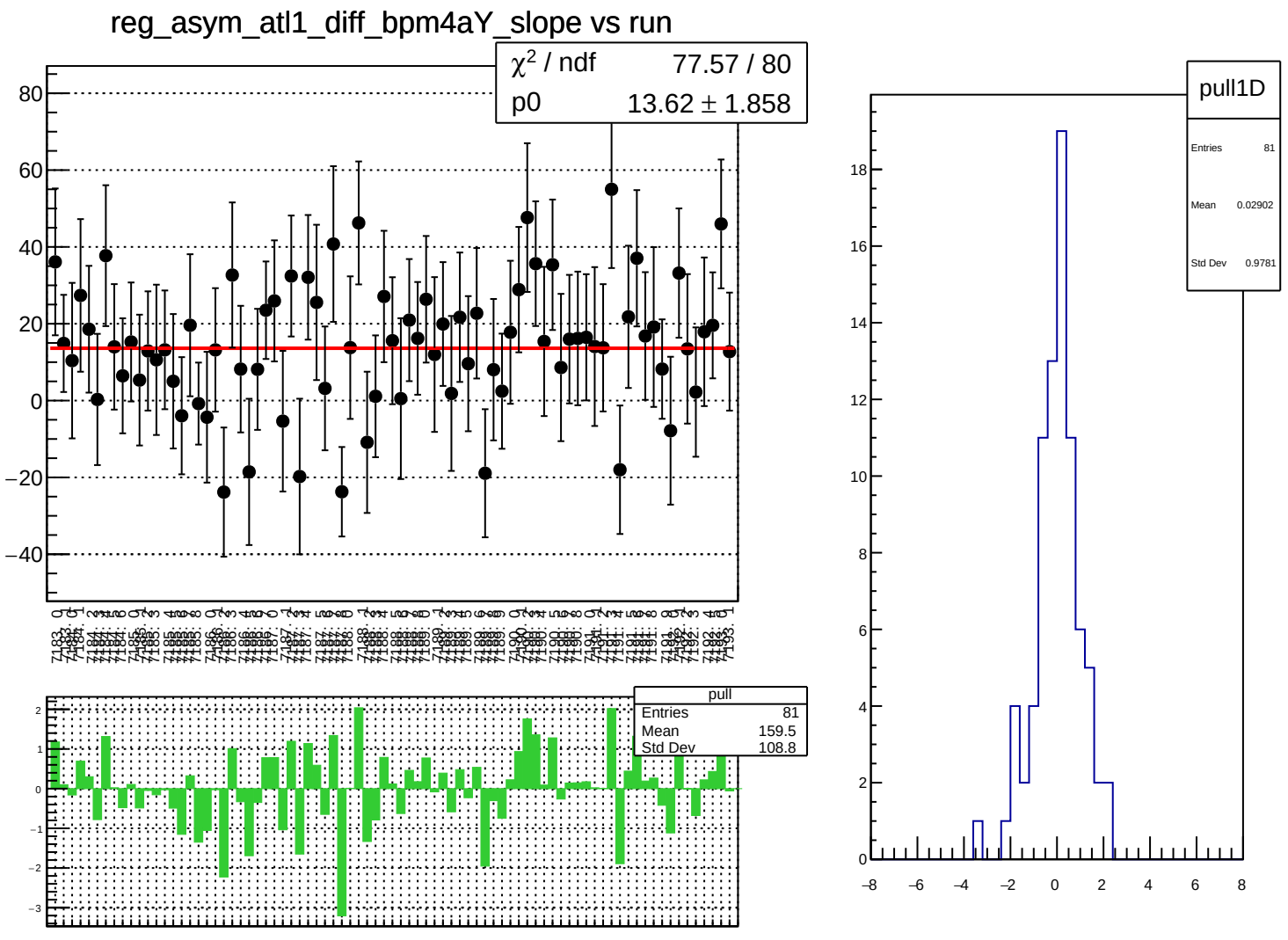

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.15 / 80
p0 34.68 ± 0.3622
pull
Entries 81
Mean 695.5
Std Dev 654.6
pull1D
Entries 81
Mean 0.01521
Std Dev 0.8099

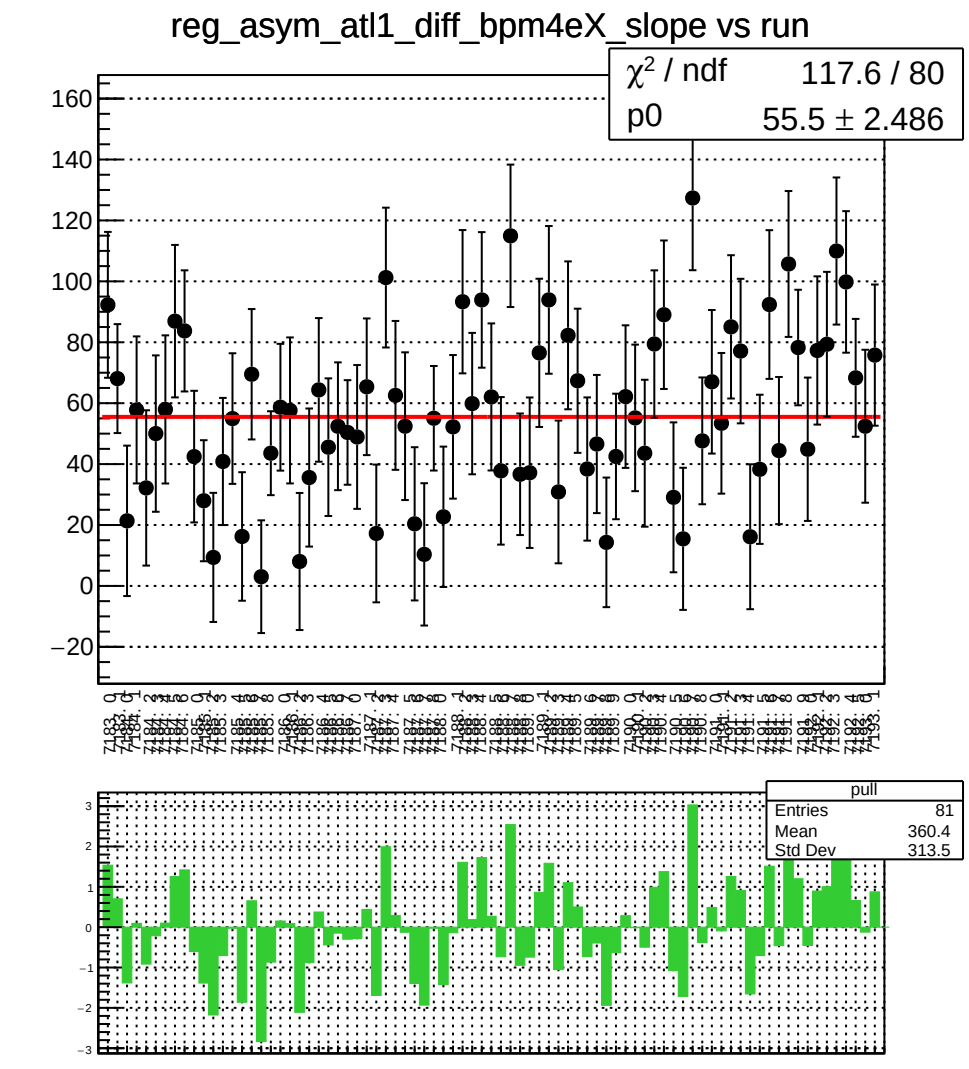

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 16.85 / 80
p0 0.3857 ± 0.0164
pull
Entries 81
Mean −2070
Std Dev 2105

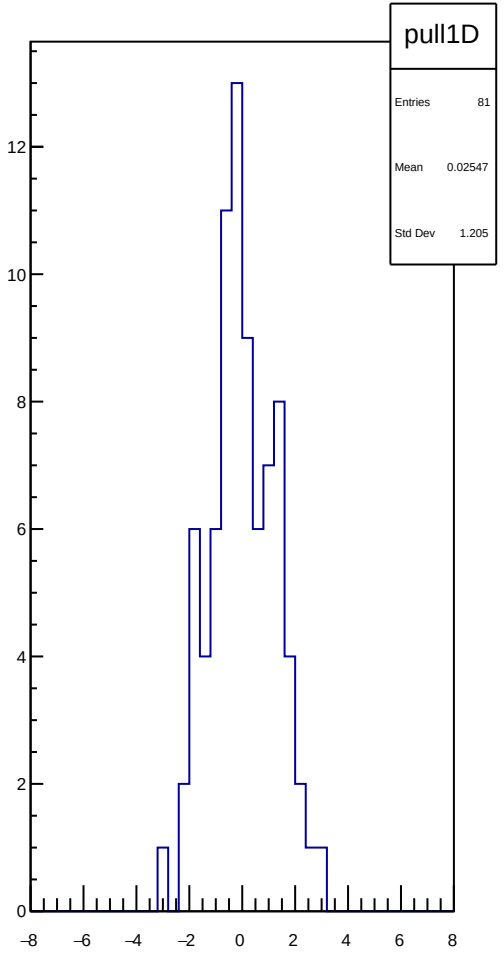

pull1D
Entries 81
Mean −0.003816
Std Dev 0.4561

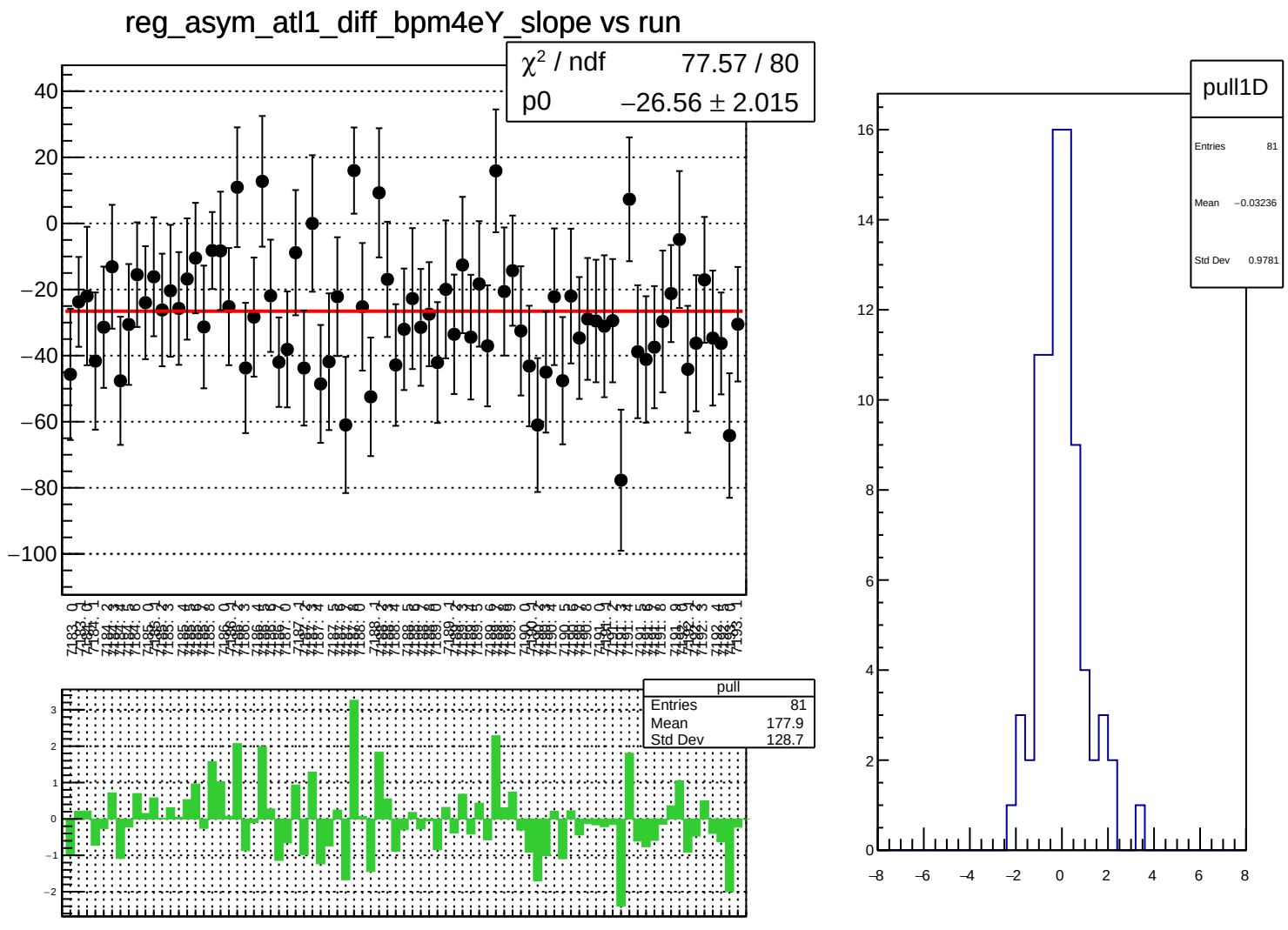

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 115.1 / 80
p0 −19.46 ± 2.482
pull
Entries 81
Mean 364.5
Std Dev 317.5

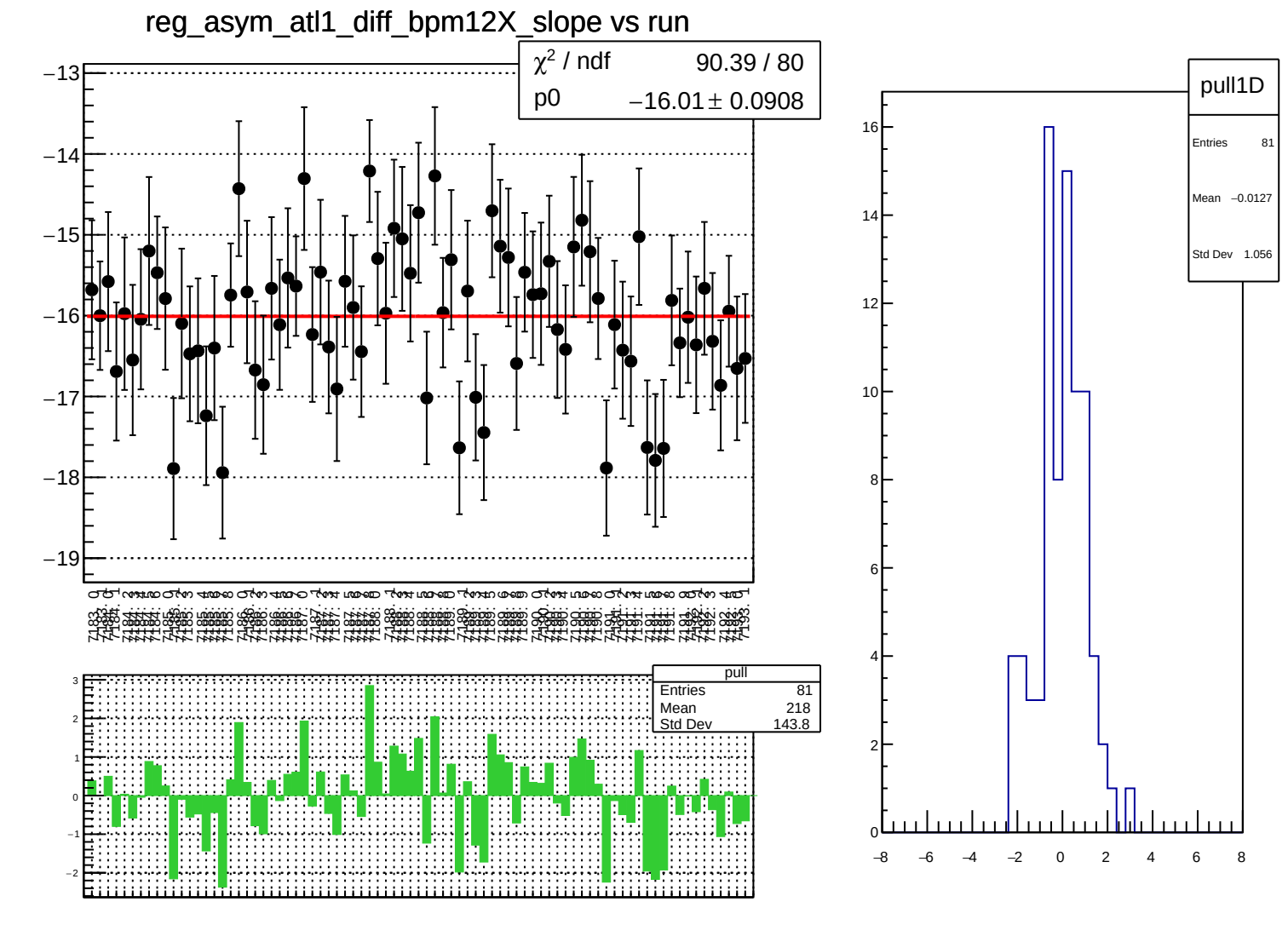

pull1D
Entries 81
Mean −0.02568
Std Dev 1.192

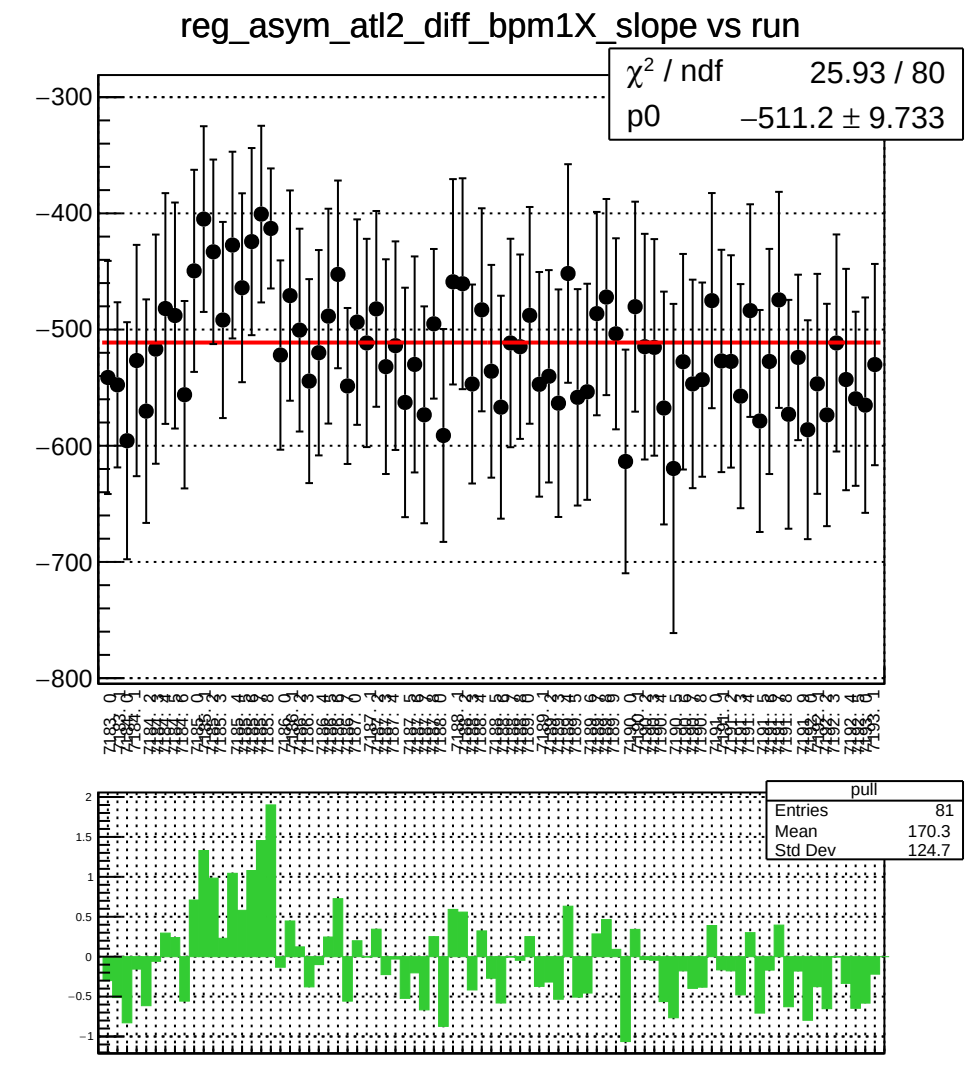

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 77.57 / 80
p0 13.62 ± 1.858
pull
Entries 81
Mean 159.5
Std Dev 108.8
pull1D
Entries 81
Mean 0.02902
Std Dev 0.9781

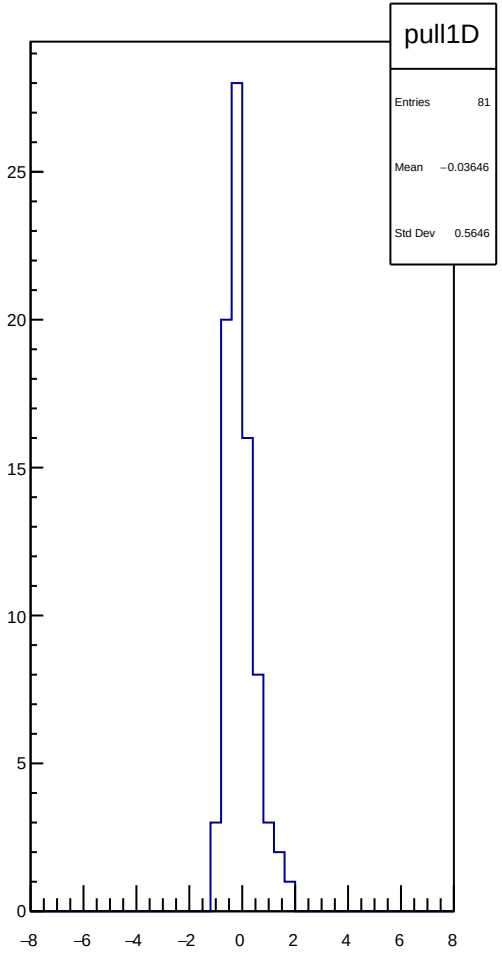

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 117.6 / 80
p0 55.5 ± 2.486
160
140
120
100
80
60
40
20
0
−20
pull
Entries 81
Mean 360.4
Std Dev 313.5
3
2
1
0
−1
−2
−3

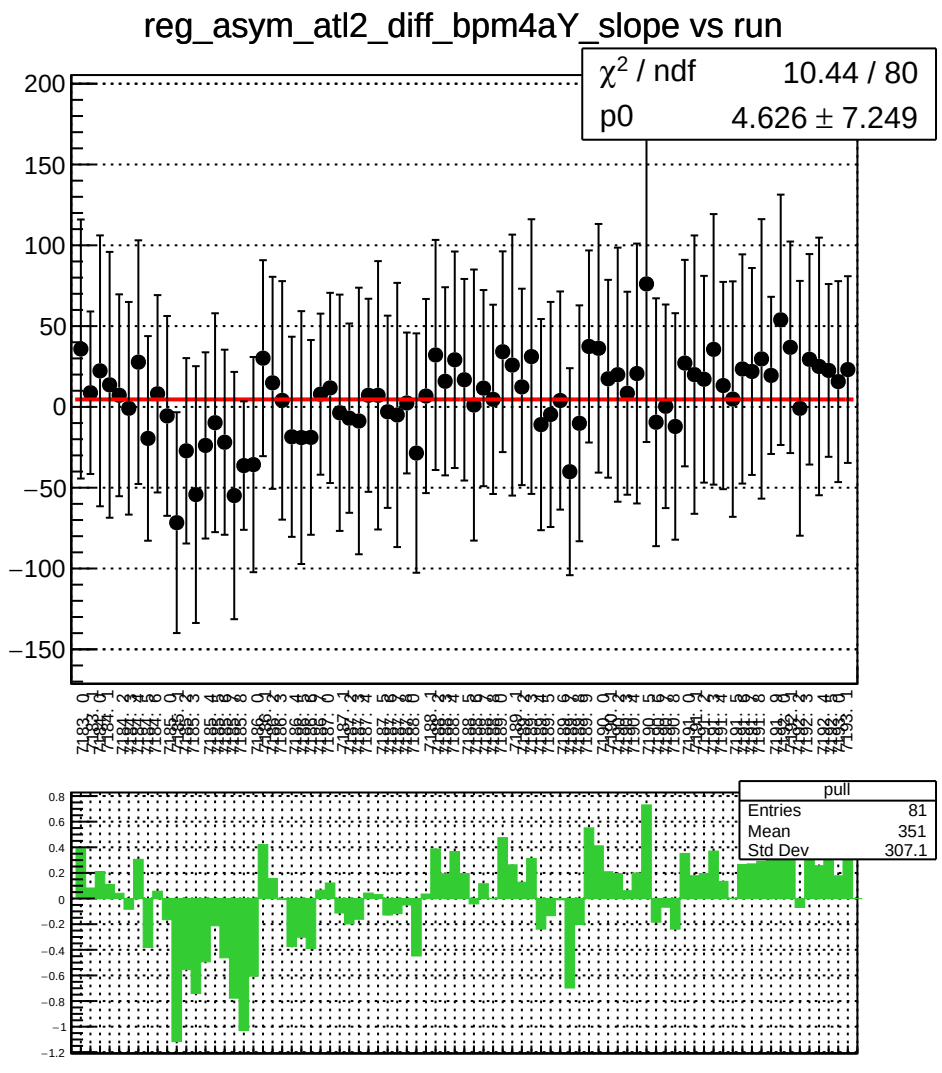

pull1D
Entries 81
Mean 0.02547
Std Dev 1.205
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

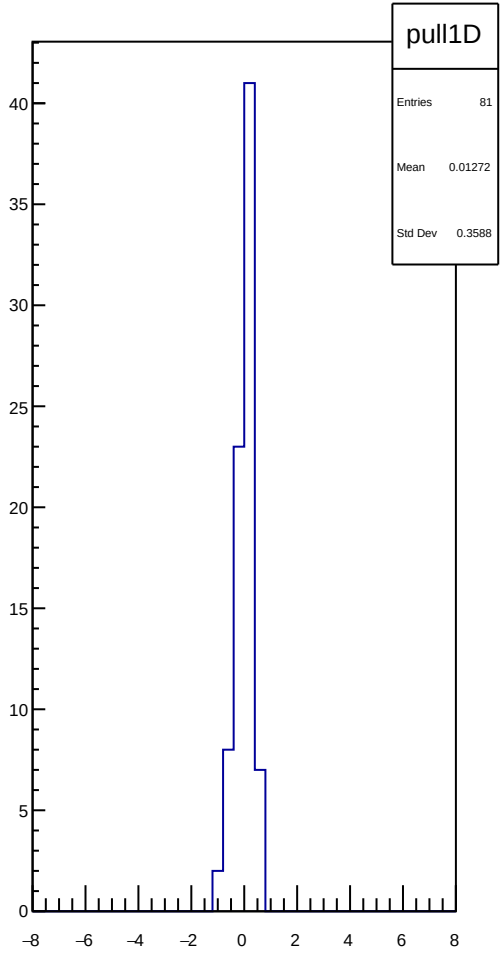

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 77.57 / 80
p0 −26.56 ± 2.015
pull
Entries 81
Mean 177.9
Std Dev 128.7
pull1D
Entries 81
Mean −0.03236
Std Dev 0.9781

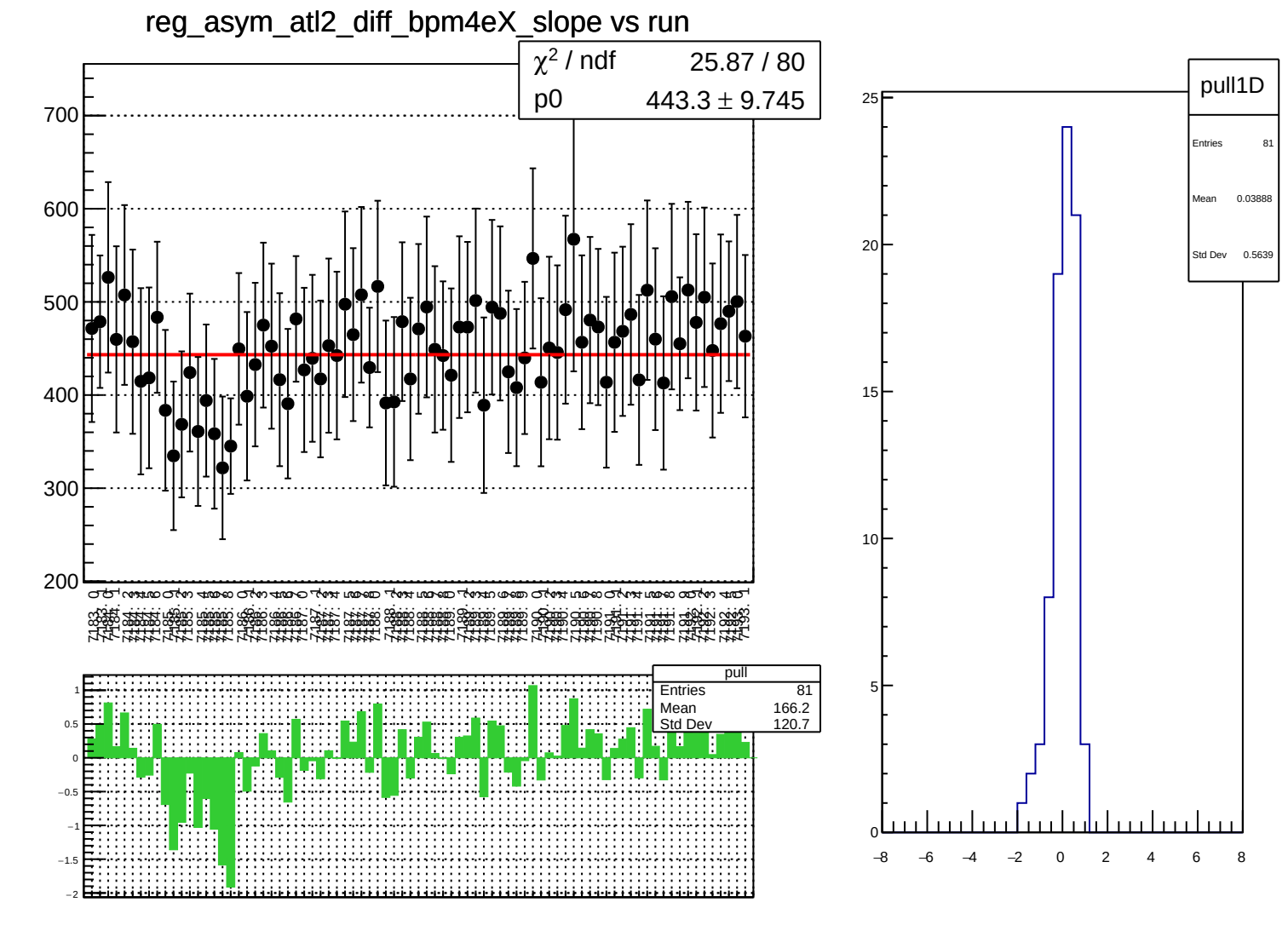

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 90.39 / 80
p0 −16.01 ± 0.0908
pull
Entries 81
Mean 218
Std Dev 143.8
pull1D
Entries 81
Mean −0.0127
Std Dev 1.056

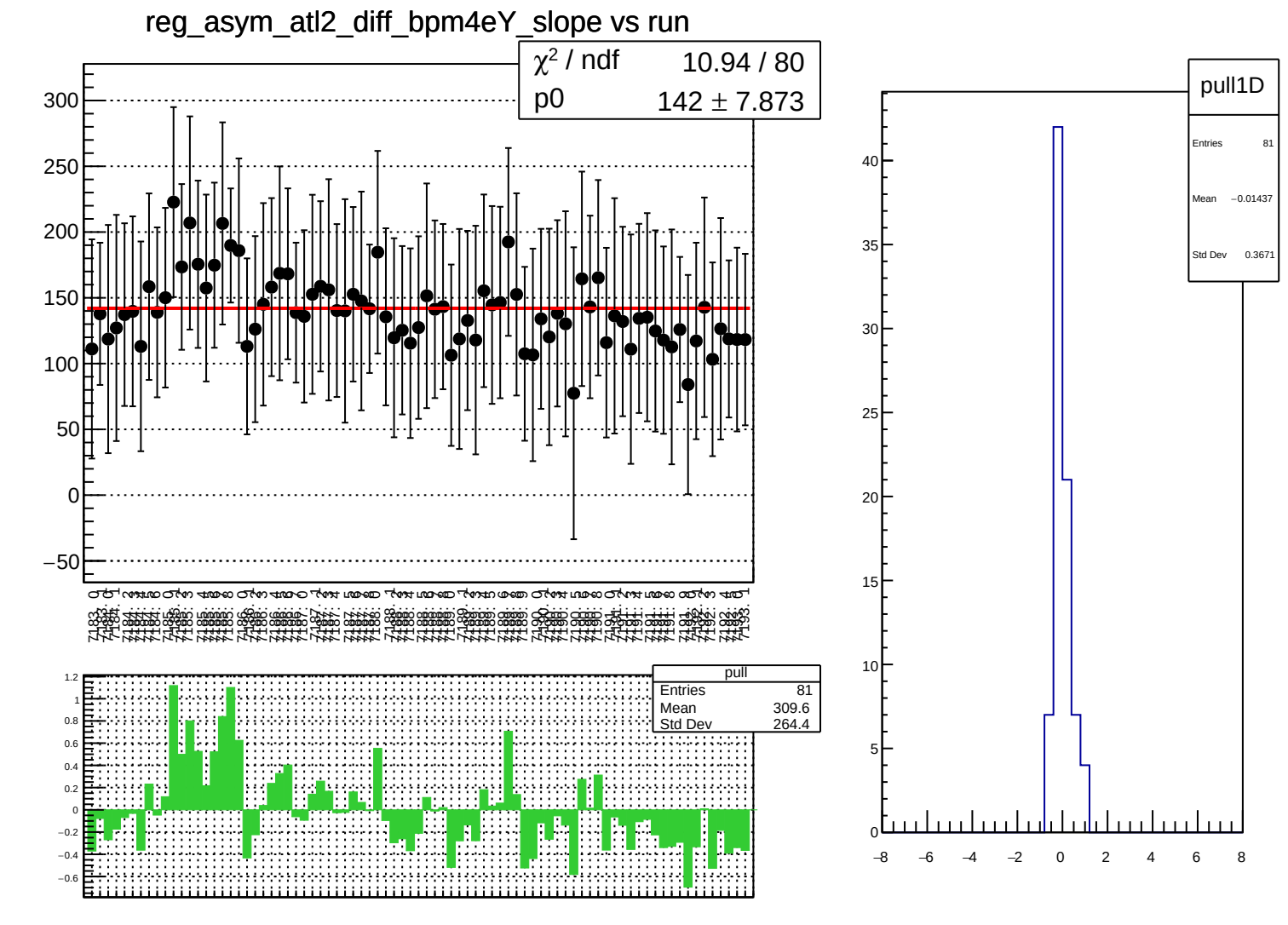

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 25.93 / 80
p0 −511.2 ± 9.733
pull
Entries 81
Mean 170.3
Std Dev 124.7

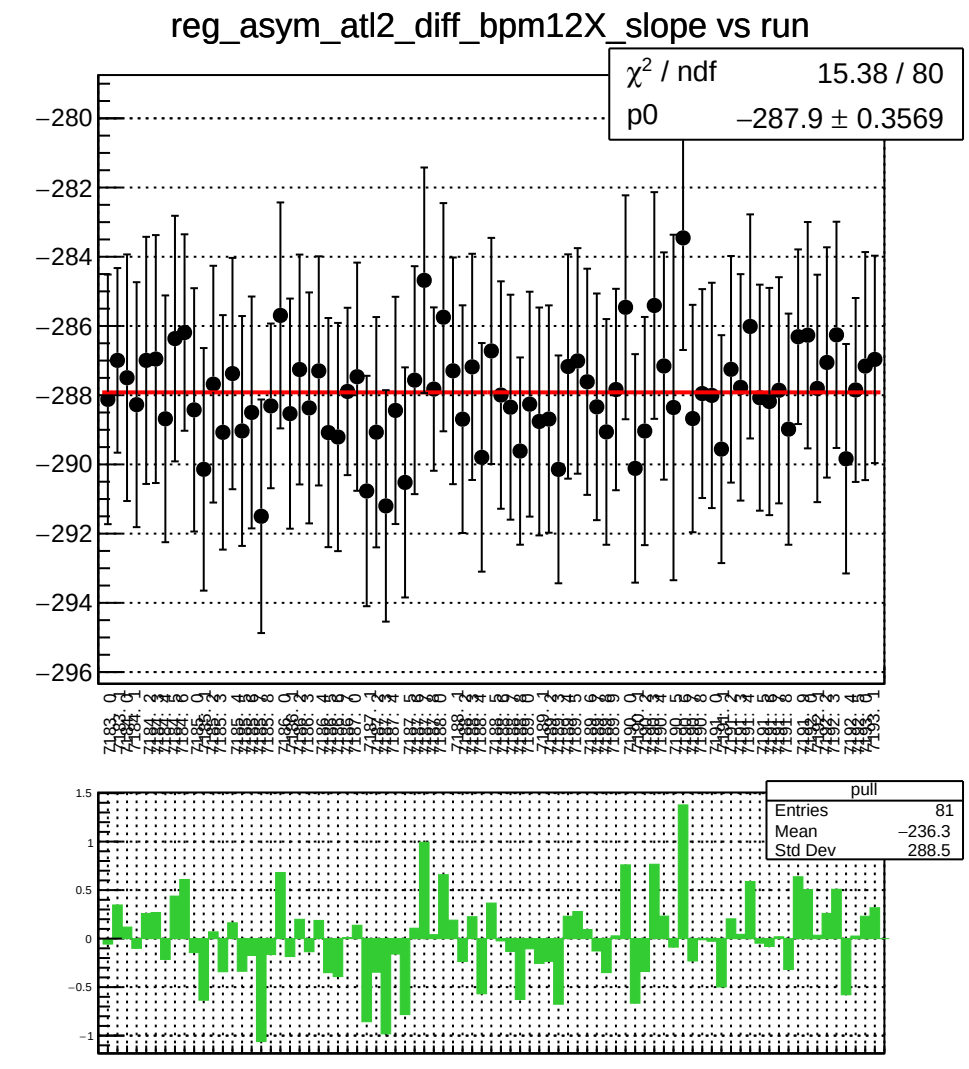

pull1D
Entries 81
Mean −0.03646
Std Dev 0.5646

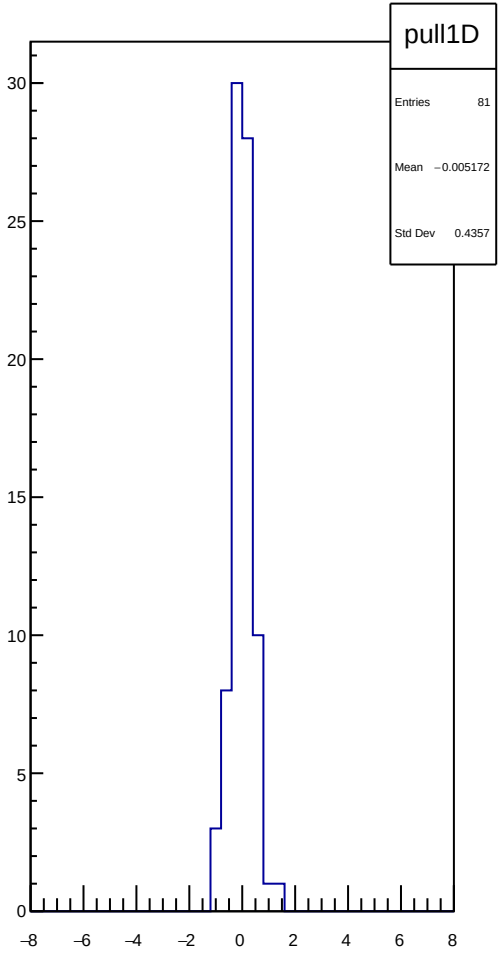

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 10.44 / 80
p0 4.626 ± 7.249
pull
Entries 81
Mean 351
Std Dev 307.1

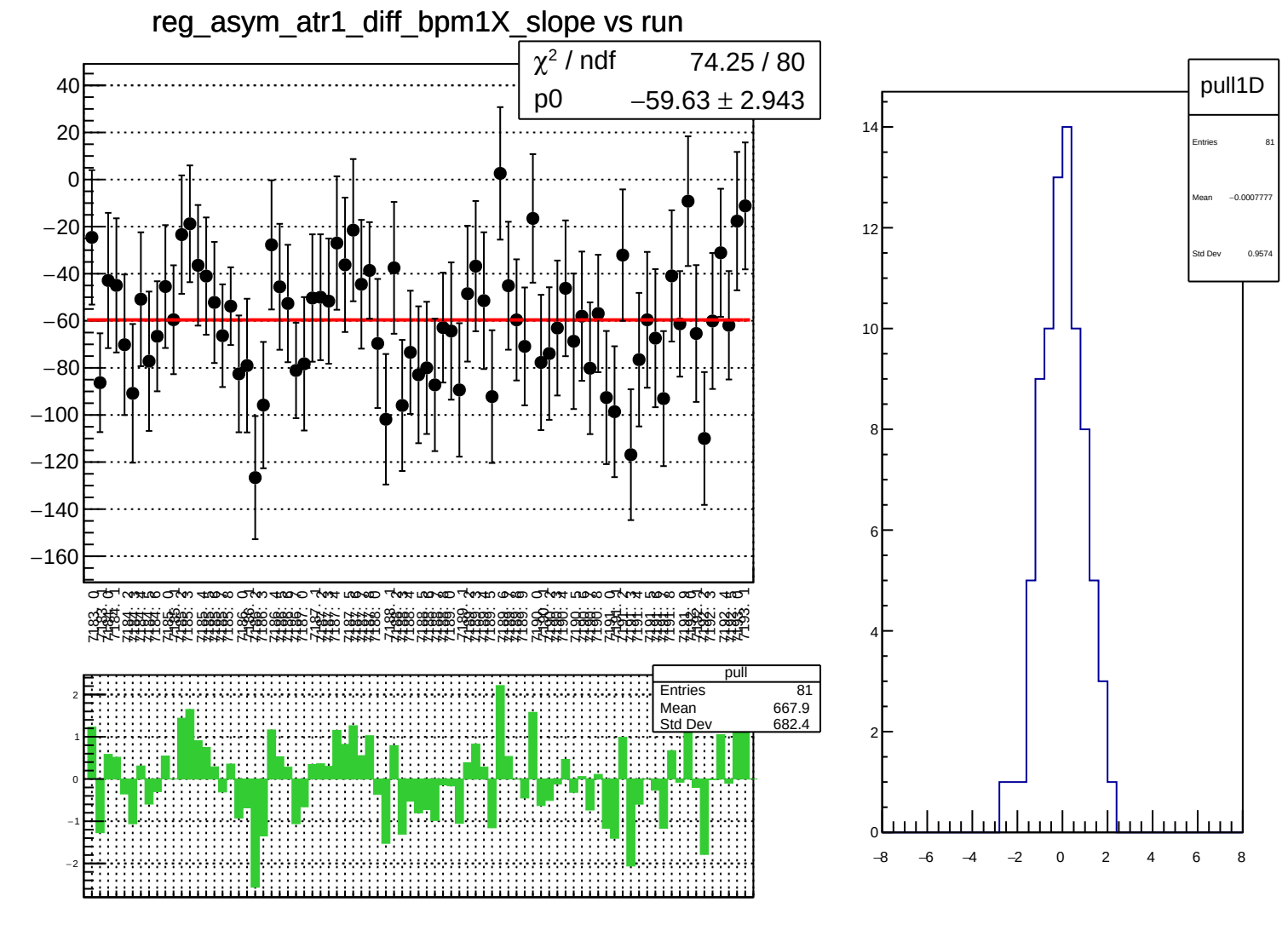

pull1D
Entries 81
Mean 0.01272
Std Dev 0.3588

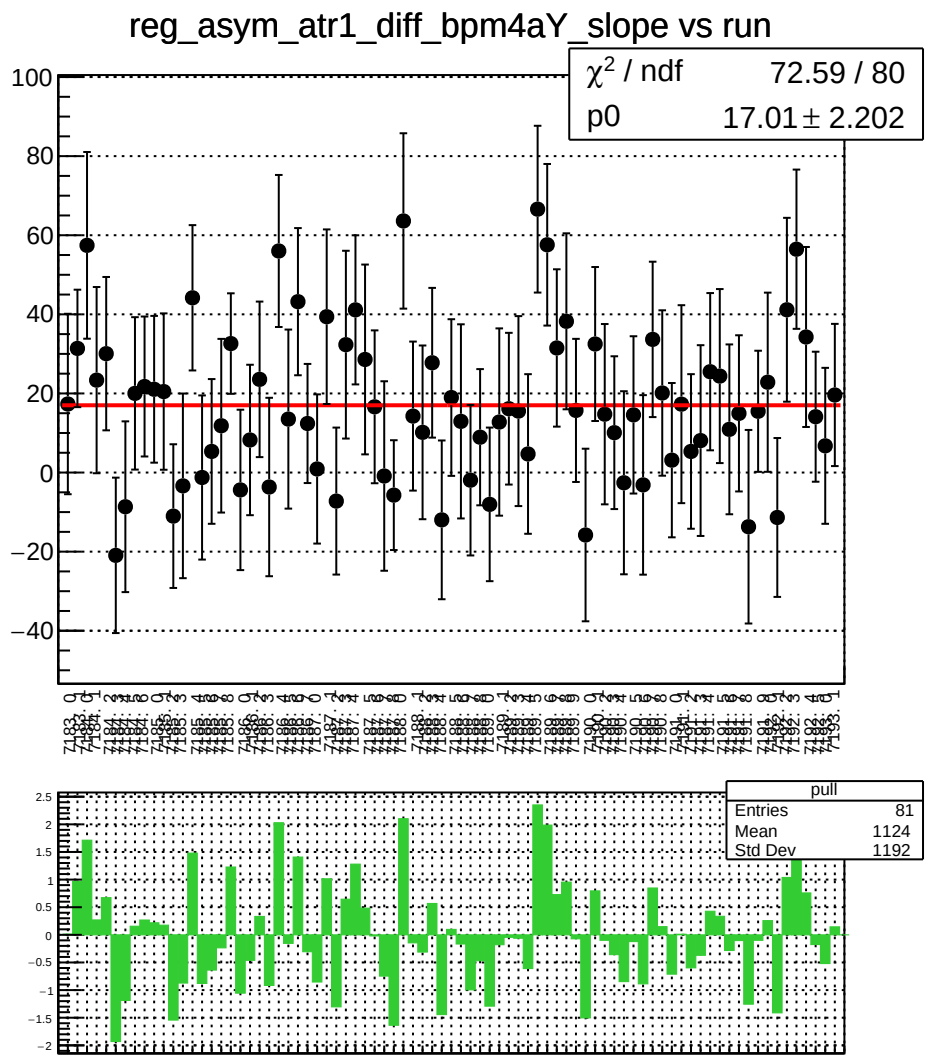

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 25.87 / 80
p0 443.3 ± 9.745
700
600
500
400
300
200
pull
Entries 81
Mean 166.2
Std Dev 120.7
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.03888
Std Dev 0.5639
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

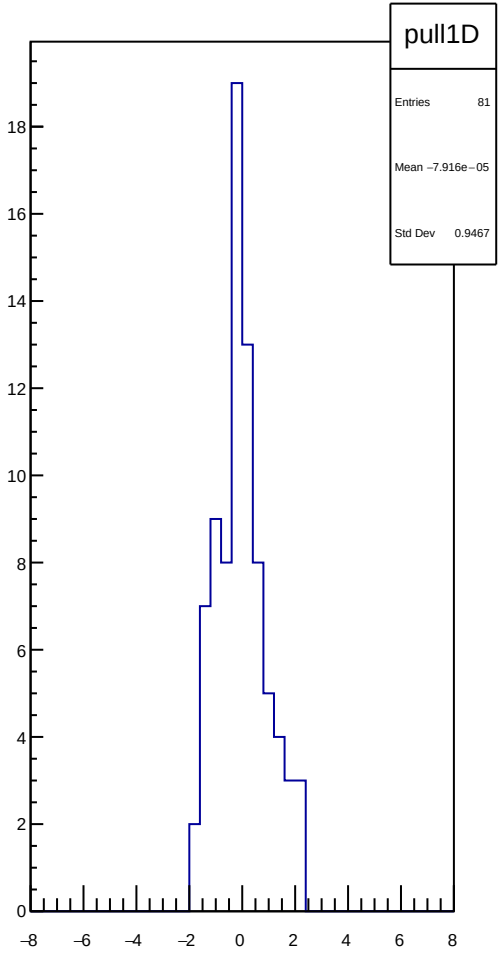

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 10.94 / 80
p0 142 ± 7.873
pull
Entries 81
Mean 309.6
Std Dev 264.4
pull1D
Entries 81
Mean −0.01437
Std Dev 0.3671

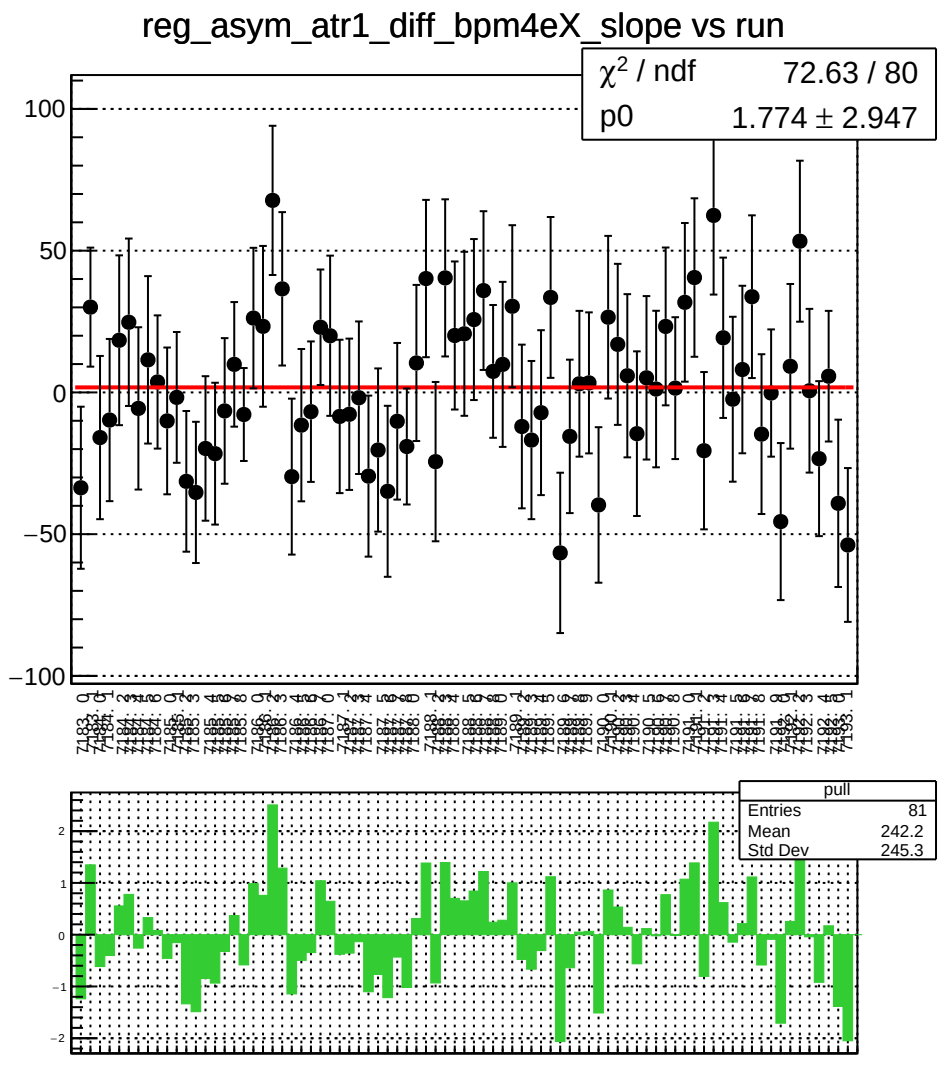

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 15.38 / 80
p0 −287.9 ± 0.3569
pull
Entries 81
Mean −236.3
Std Dev 288.5

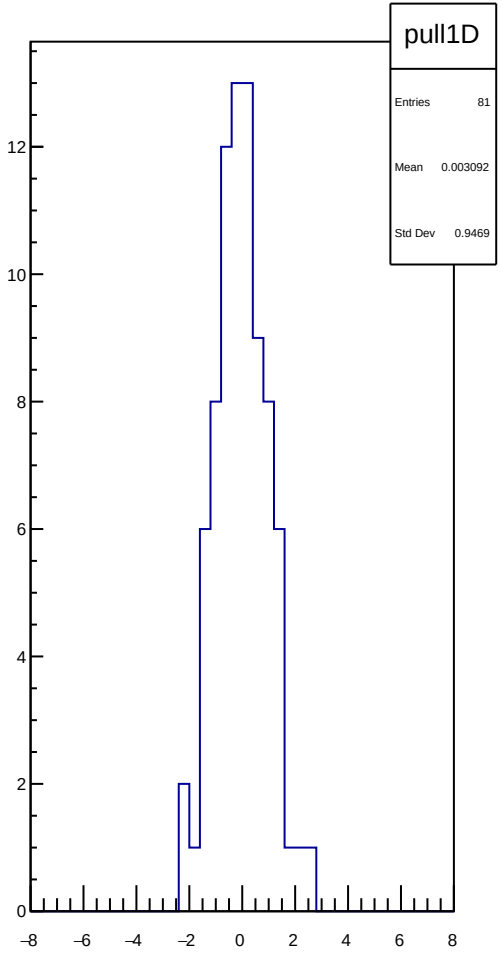

pull1D
Entries 81
Mean −0.005172
Std Dev 0.4357

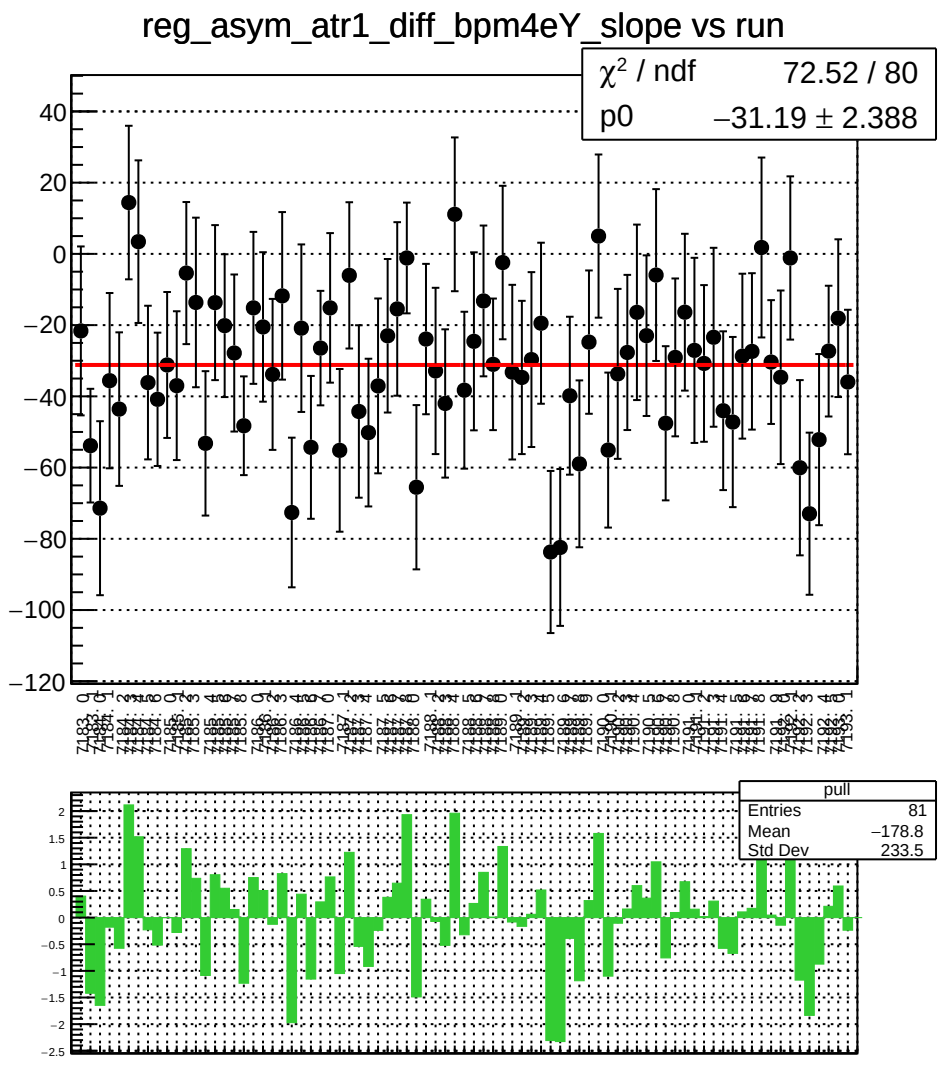

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 74.25 / 80
p0 −59.63 ± 2.943
pull
Entries 81
Mean 667.9
Std Dev 682.4
pull1D
Entries 81
Mean −0.0007777
Std Dev 0.9574

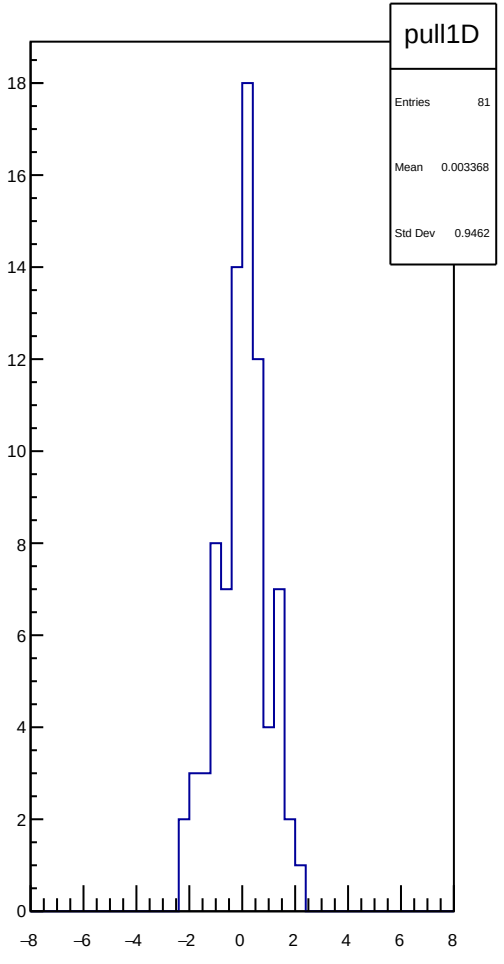

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 72.59 / 80
p0 17.01 ± 2.202
pull
Entries 81
Mean 1124
Std Dev 1192

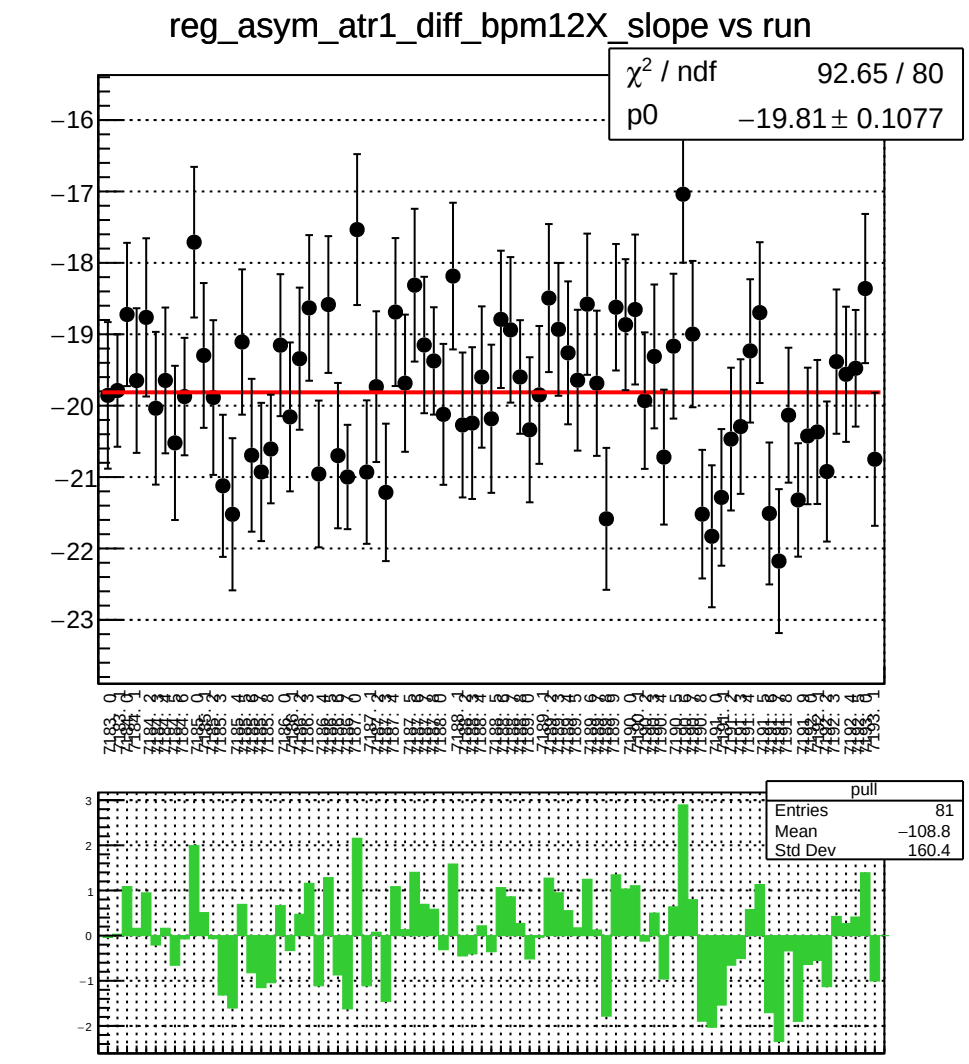

pull1D
Entries 81
Mean −7.916e−05
Std Dev 0.9467

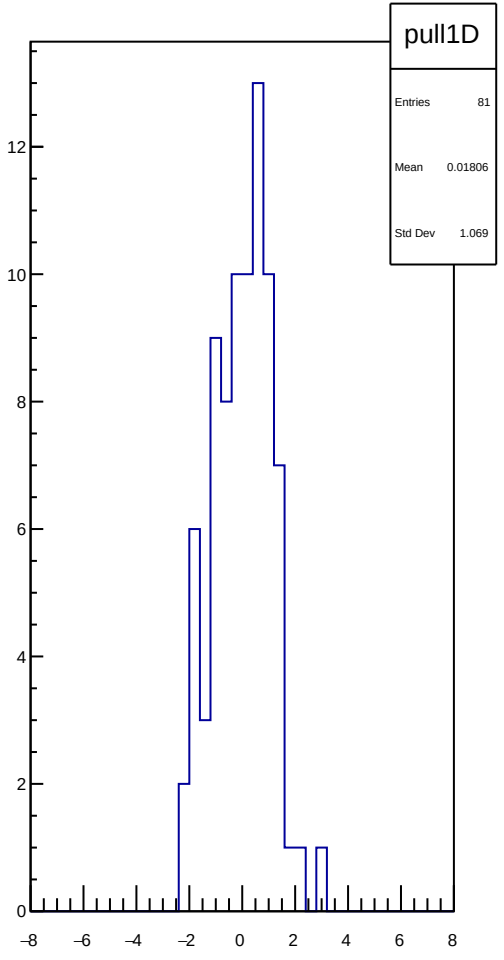

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 72.63 / 80
p0 1.774 ± 2.947
100
50
0
−50
−100
pull
Entries 81
Mean 242.2
Std Dev 245.3
2
1
0
−1
−2

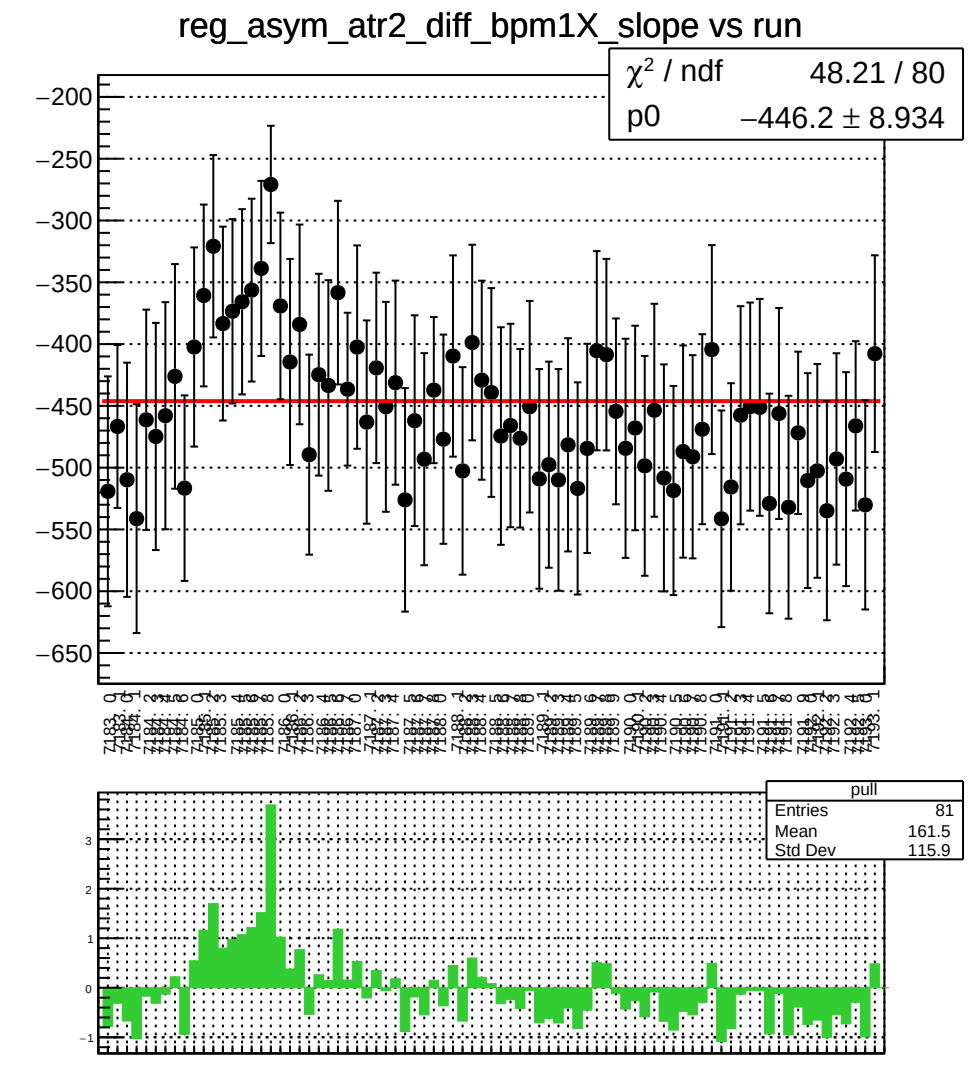

pull1D
Entries 81
Mean 0.003092
Std Dev 0.9469
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

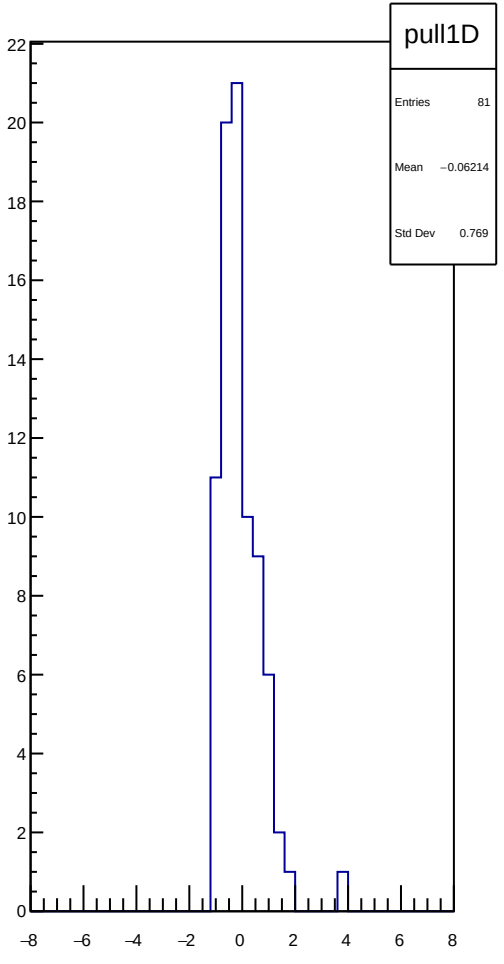

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 72.52 / 80
p0 −31.19 ± 2.388
pull
Entries 81
Mean −178.8
Std Dev 233.5

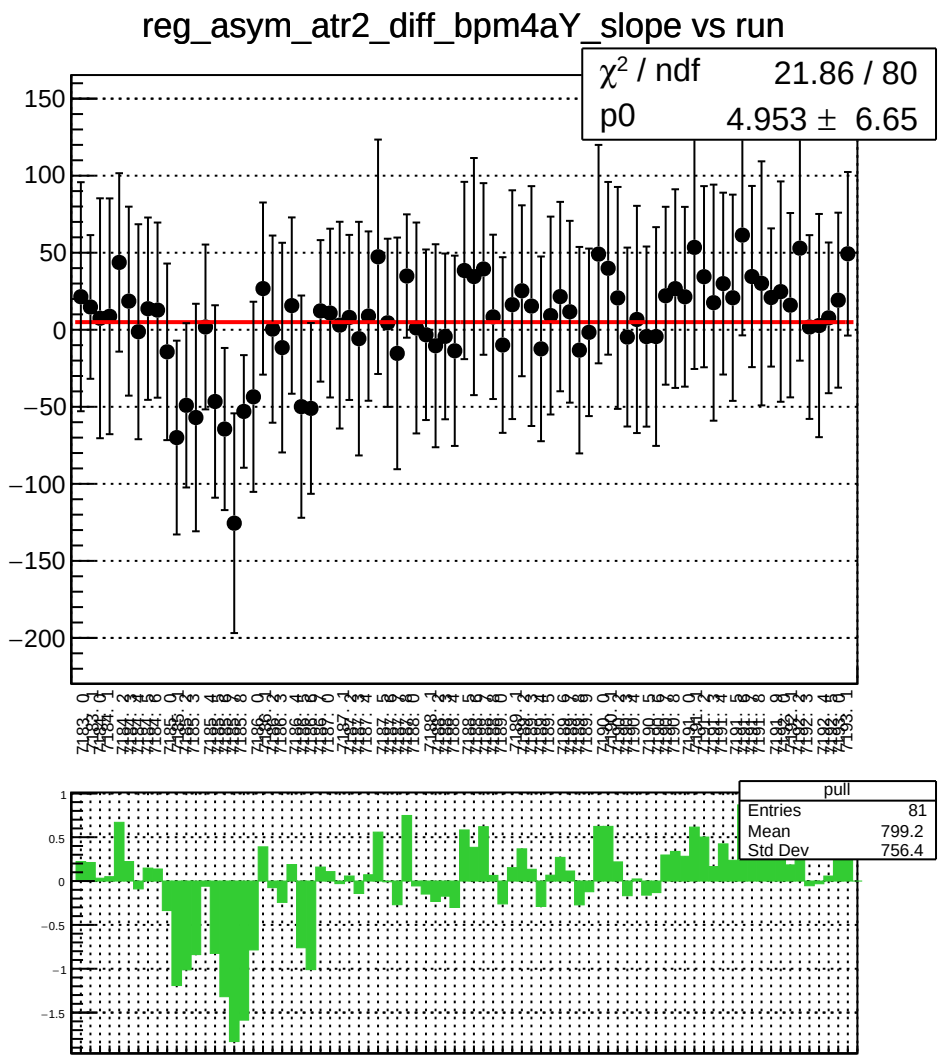

pull1D
Entries 81
Mean 0.003368
Std Dev 0.9462

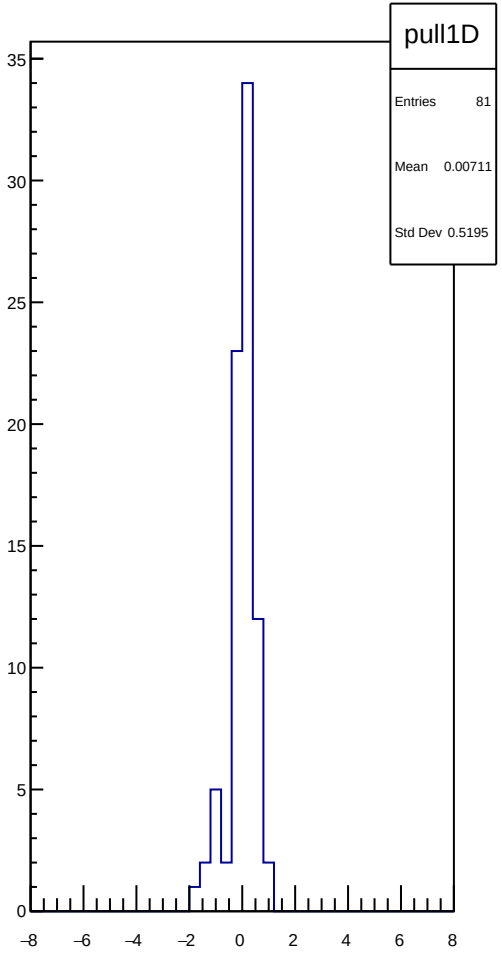

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 92.65 / 80
p0 −19.81 ± 0.1077
pull
Entries 81
Mean −108.8
Std Dev 160.4

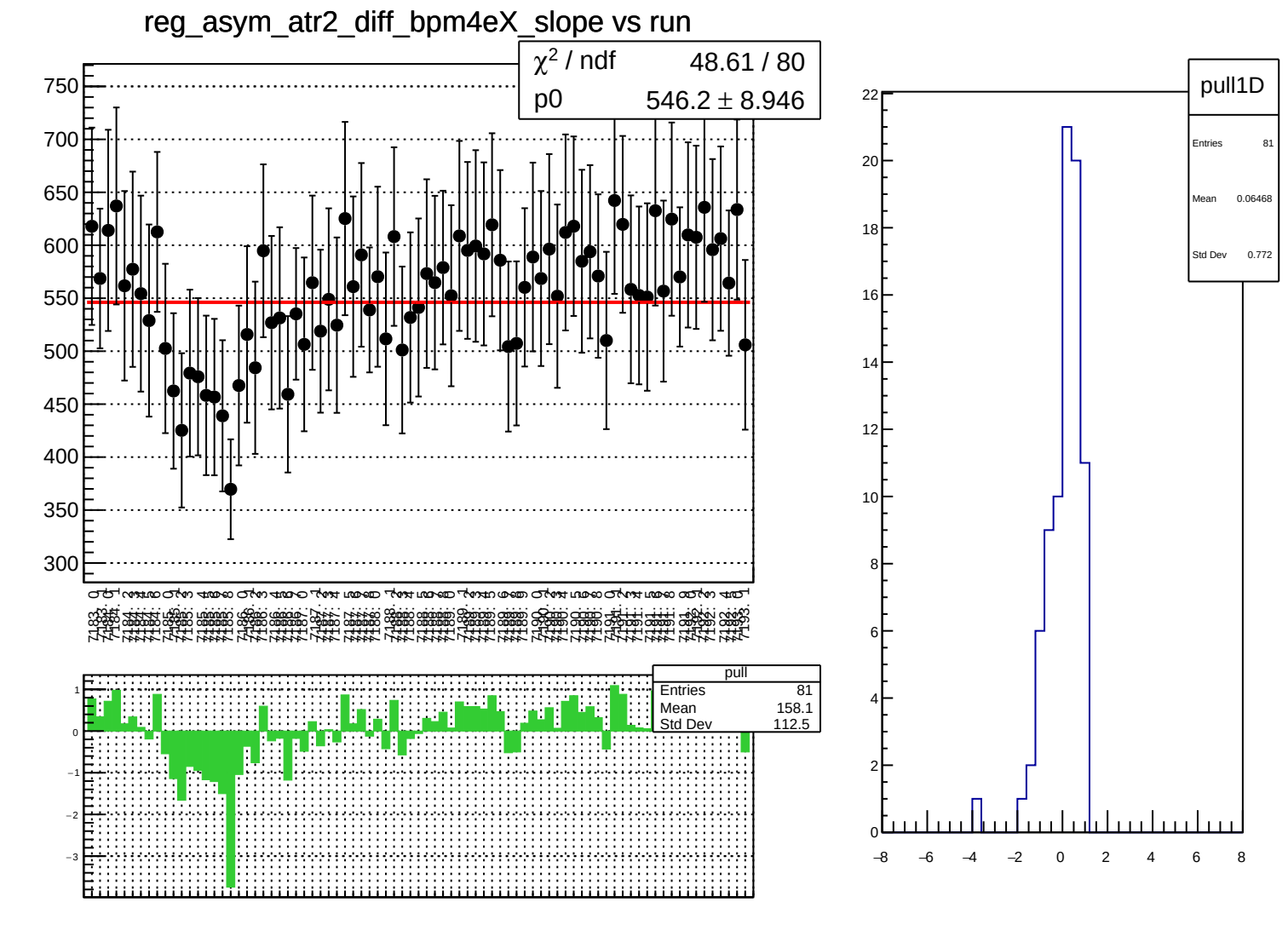

pull1D
Entries 81
Mean 0.01806
Std Dev 1.069

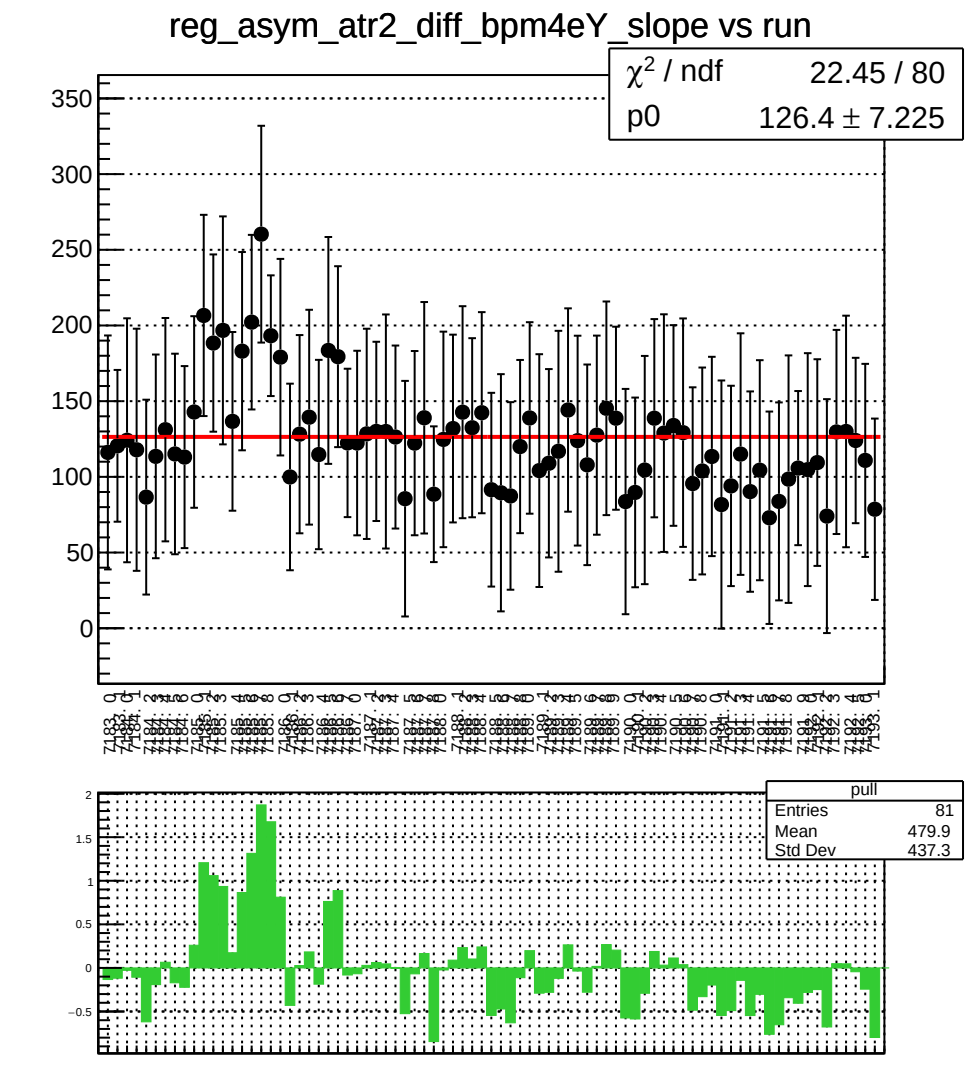

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 48.21 / 80
p0 −446.2 ± 8.934
pull
Entries 81
Mean 161.5
Std Dev 115.9

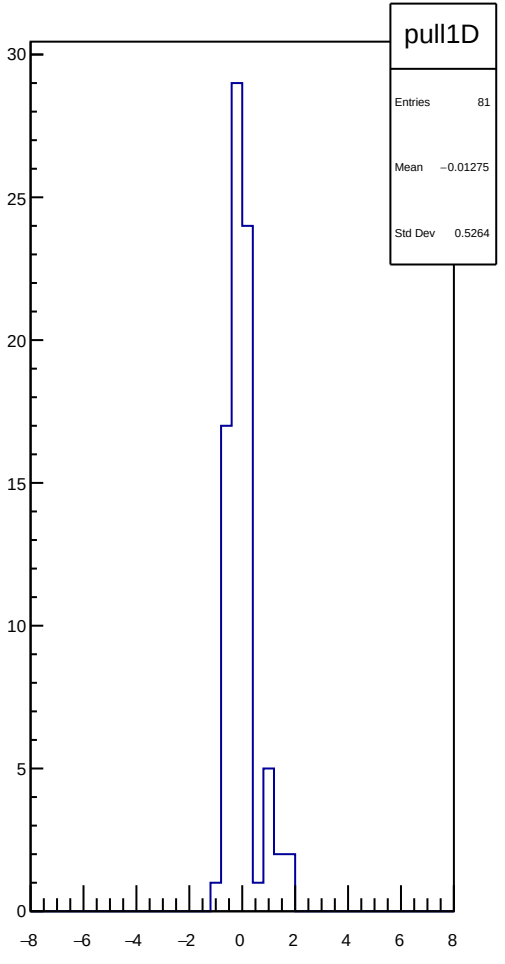

pull1D
Entries 81
Mean −0.06214
Std Dev 0.769

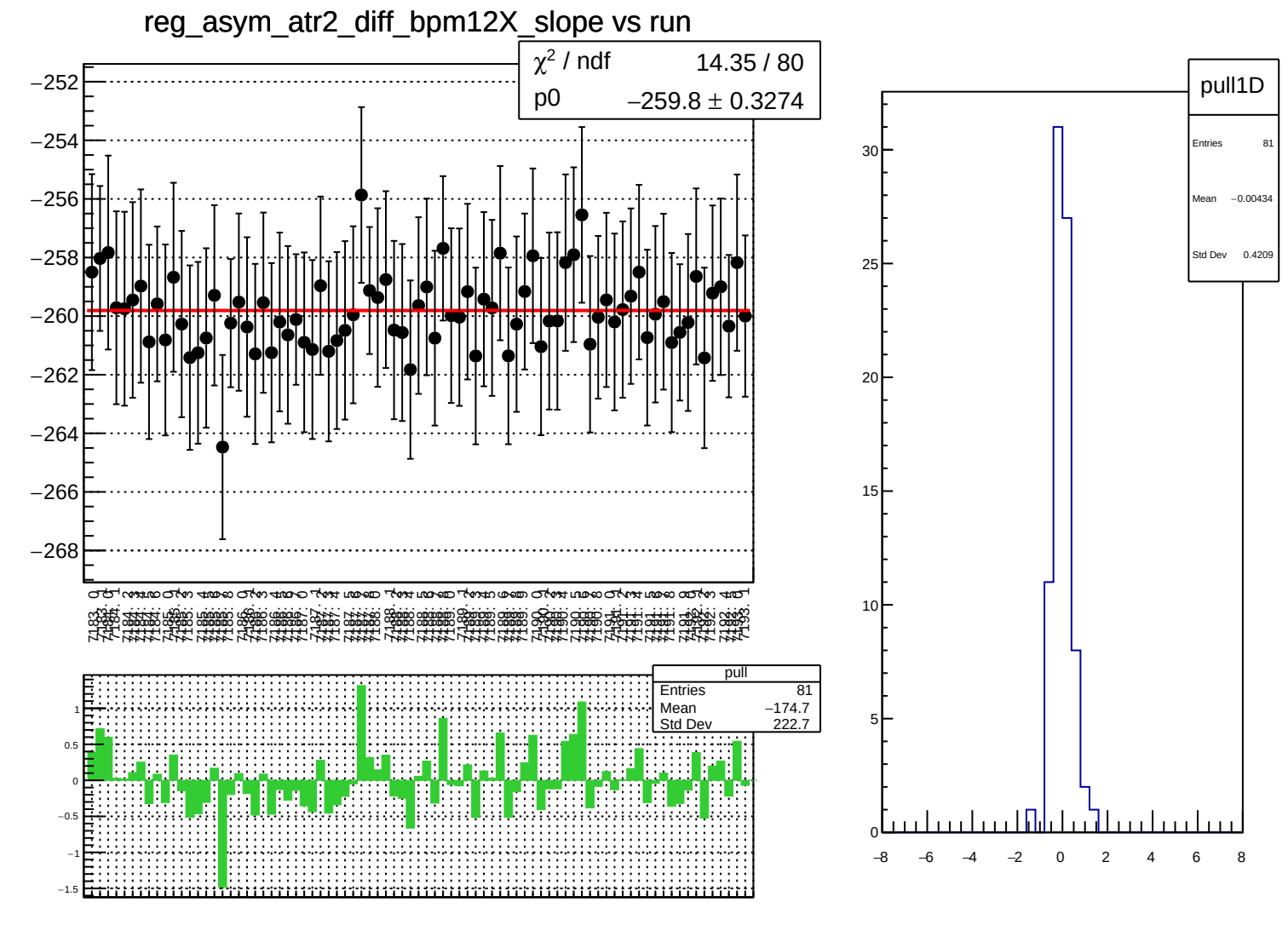

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 21.86 / 80
p0 4.953 ± 6.65
pull
Entries 81
Mean 799.2
Std Dev 756.4

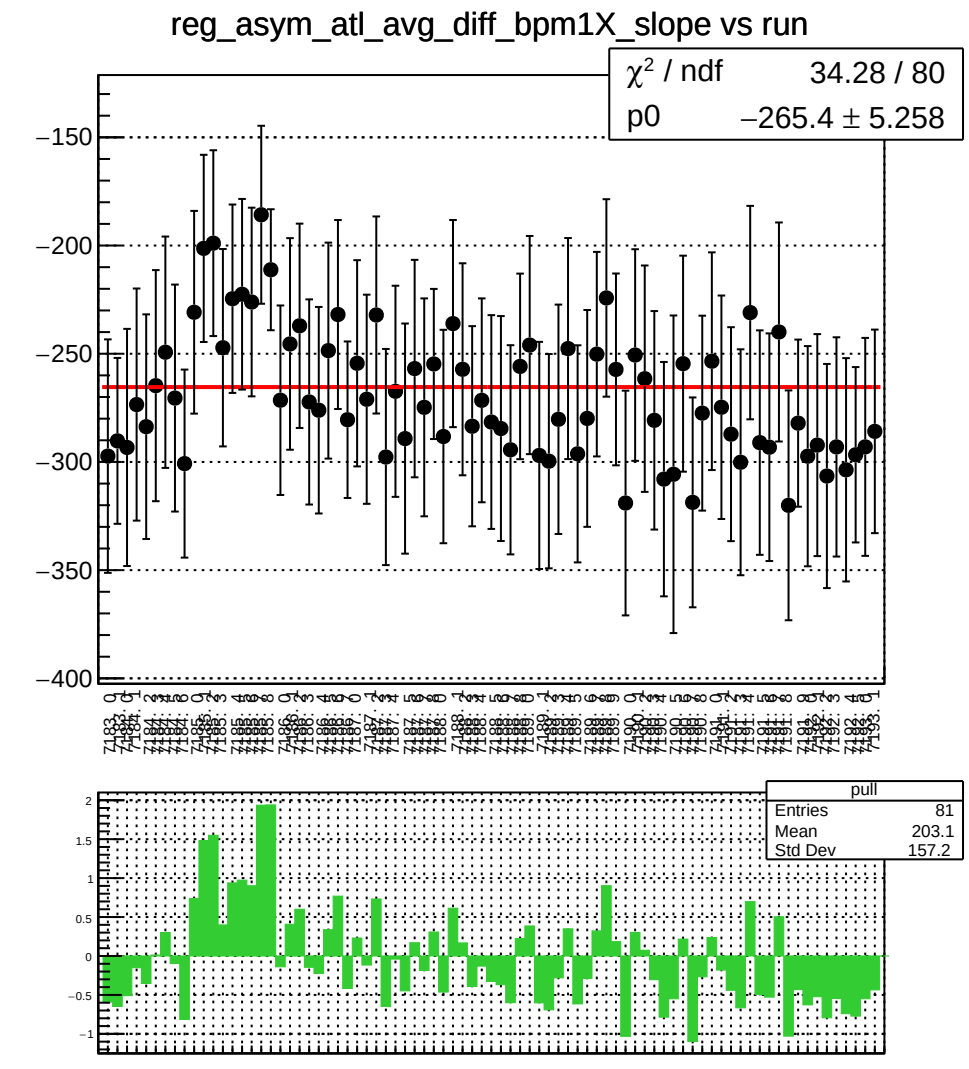

pull1D
Entries 81
Mean 0.00711
Std Dev 0.5195

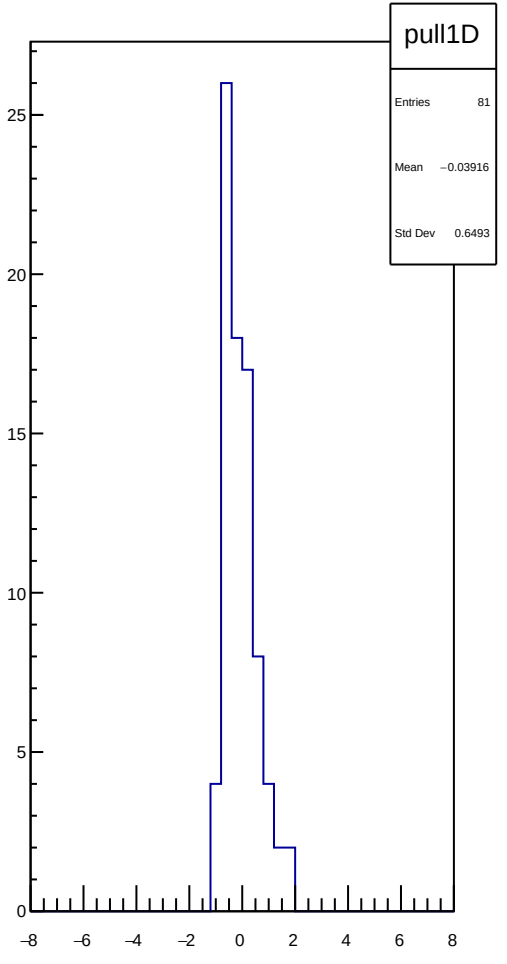

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 48.61 / 80
p0 546.2 ± 8.946
pull
Entries 81
Mean 158.1
Std Dev 112.5
pull1D
Entries 81
Mean 0.06468
Std Dev 0.772

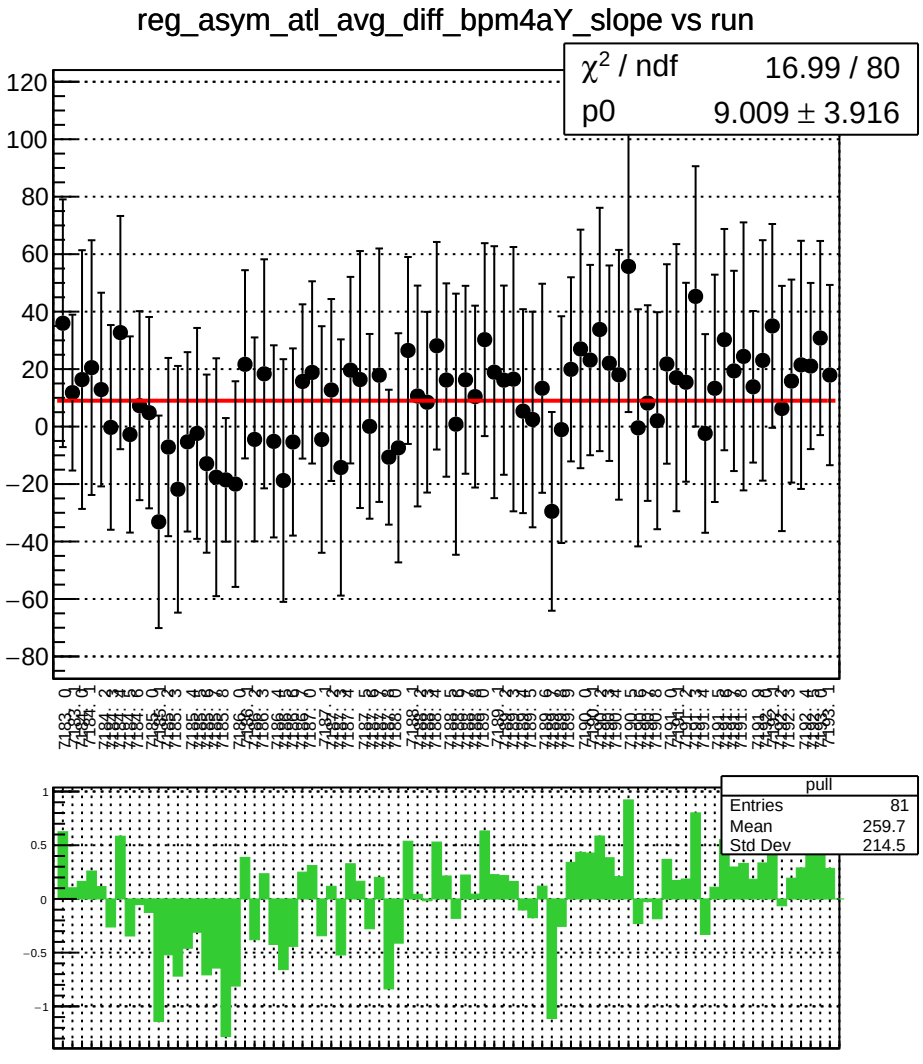

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 22.45 / 80
p0 126.4 ± 7.225
pull
Entries 81
Mean 479.9
Std Dev 437.3

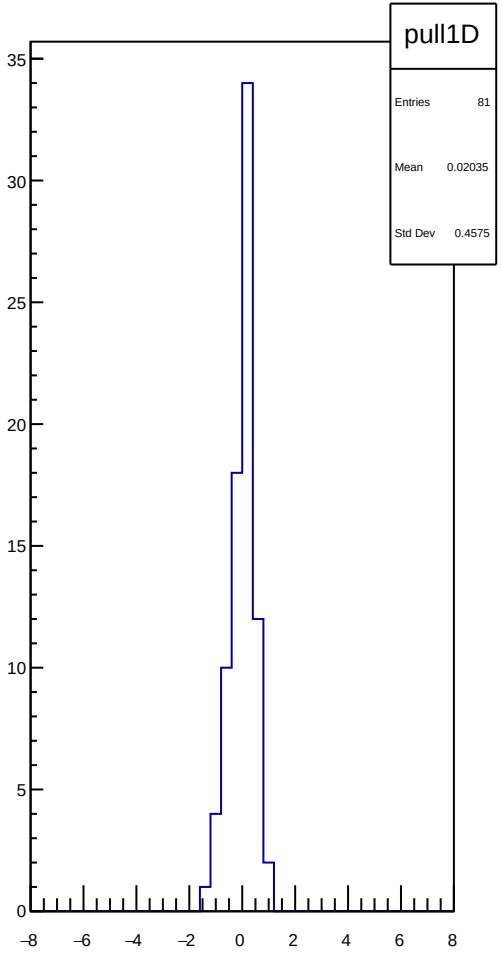

pull1D
Entries 81
Mean −0.01275
Std Dev 0.5264

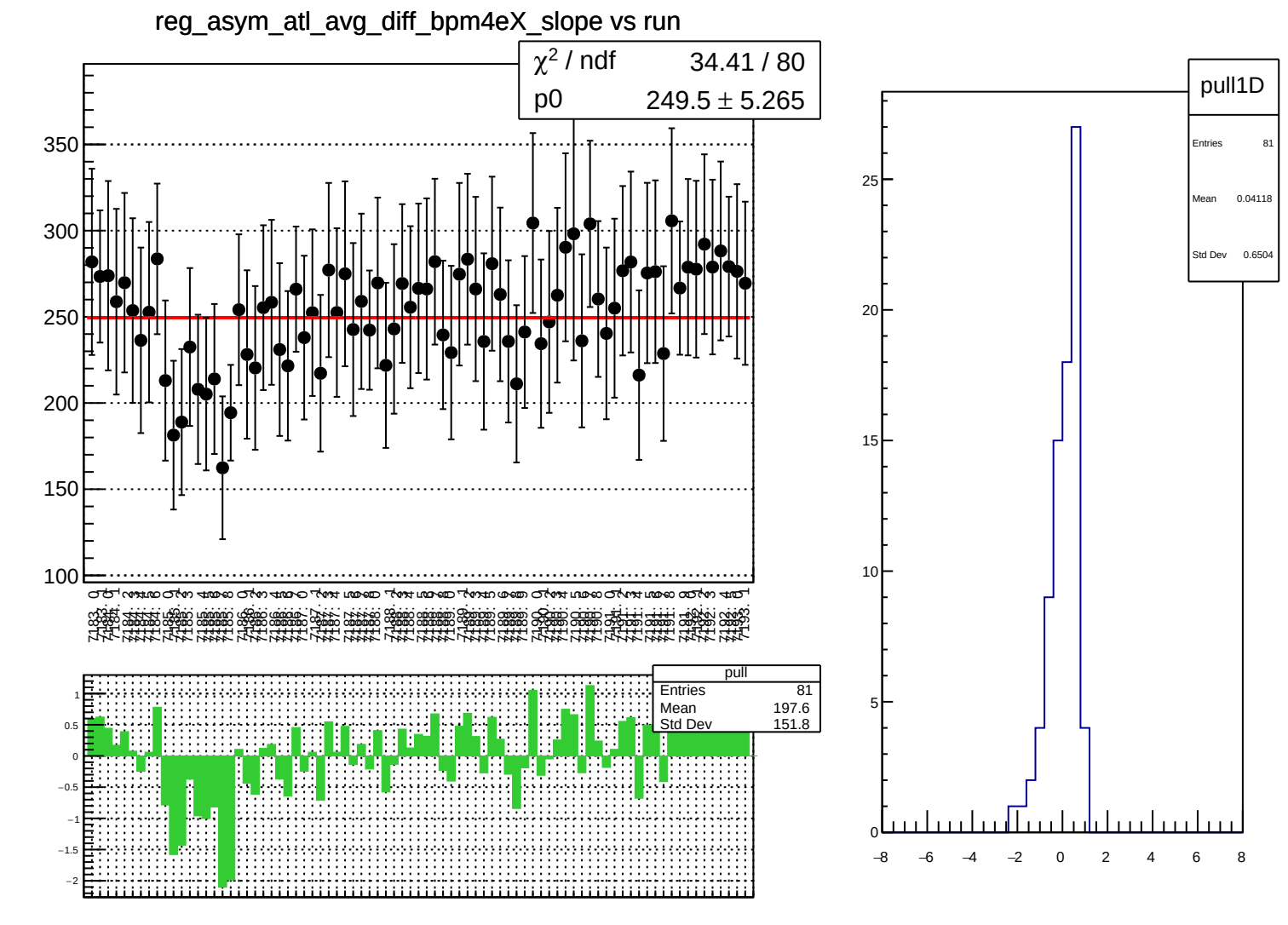

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 14.35 / 80
p0 −259.8 ± 0.3274
pull
Entries 81
Mean −174.7
Std Dev 222.7
pull1D
Entries 81
Mean −0.00434
Std Dev 0.4209

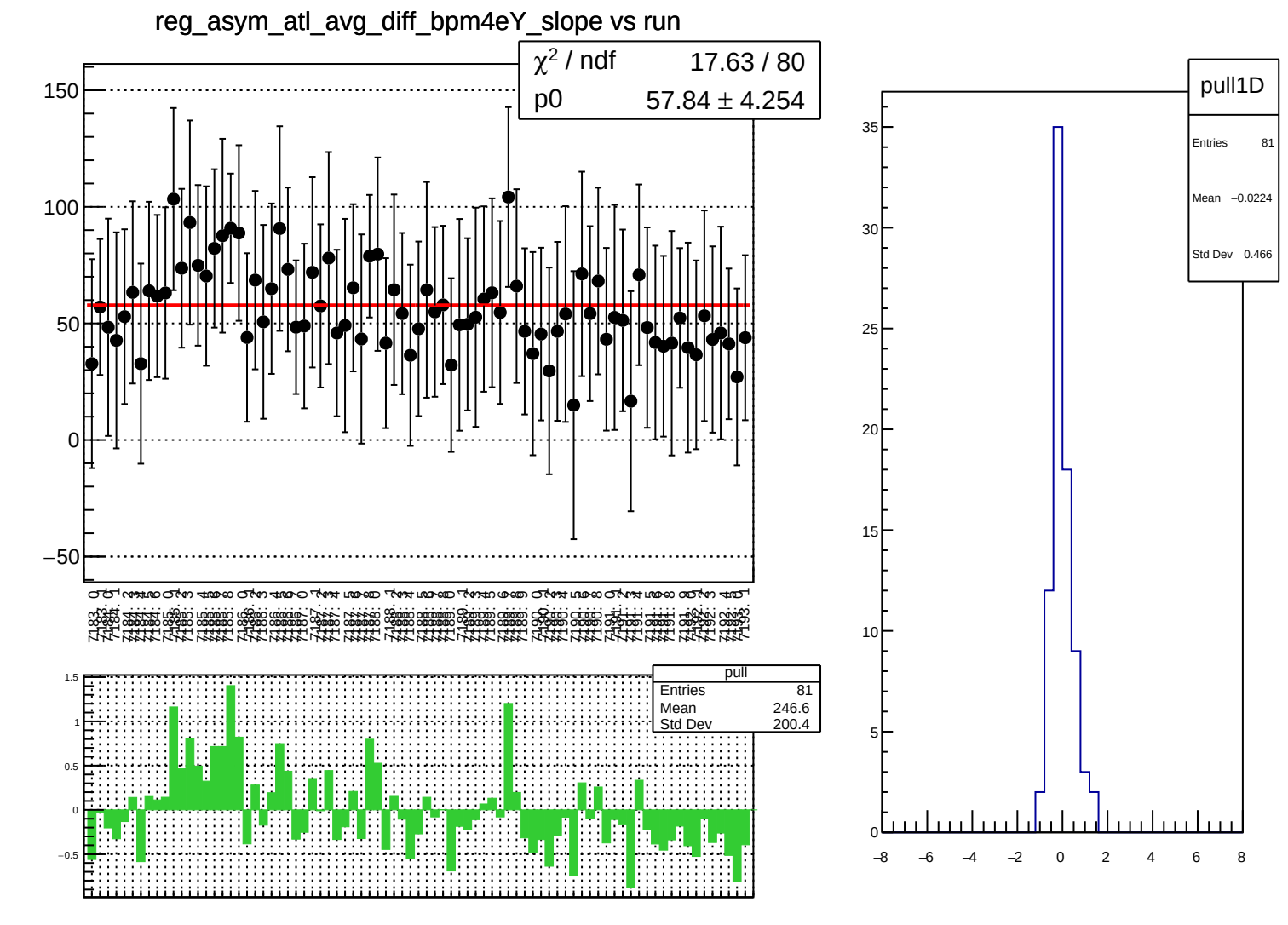

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 34.28 / 80
p0 −265.4 ± 5.258
−150
−200
−250
−300
−350
−400
pull
Entries 81
Mean 203.1
Std Dev 157.2
2
1.5
1
0.5
0
−0.5
−1

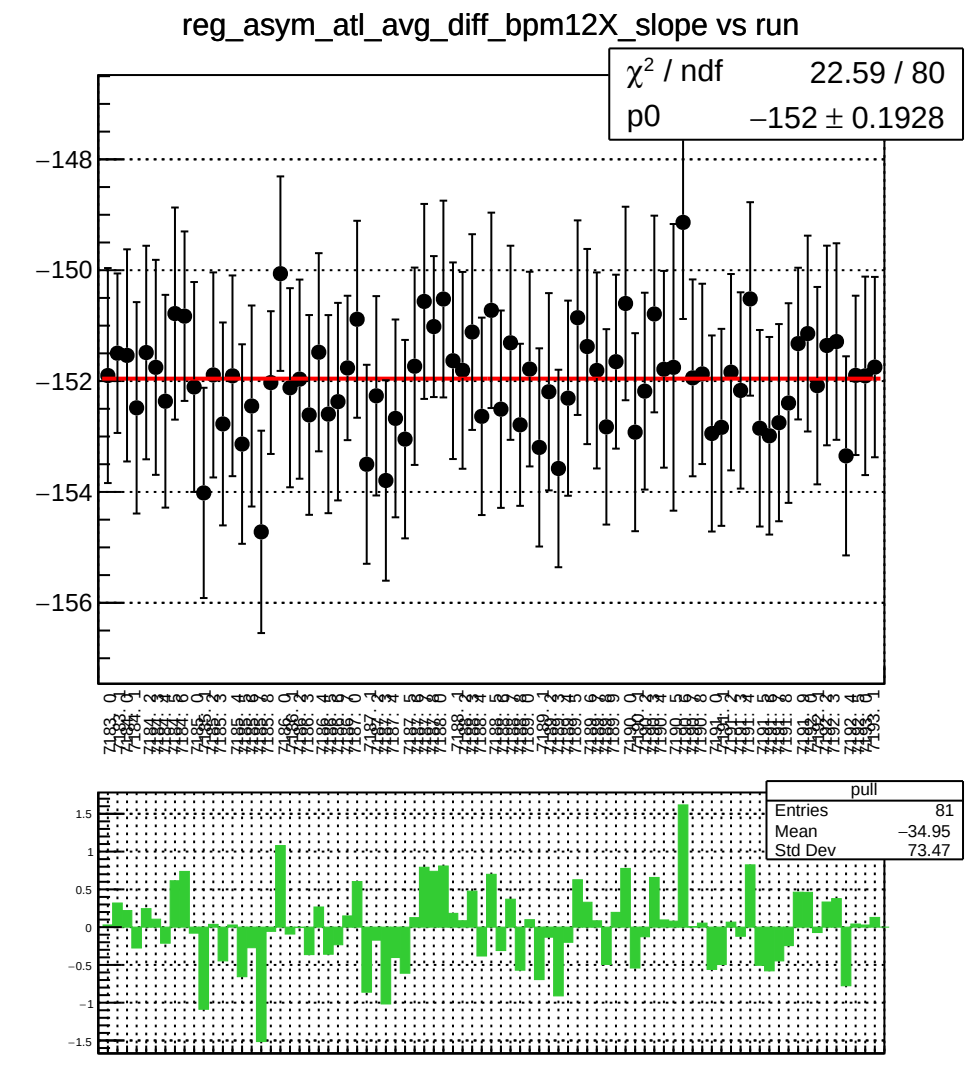

pull1D
Entries 81
Mean −0.03916
Std Dev 0.6493
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

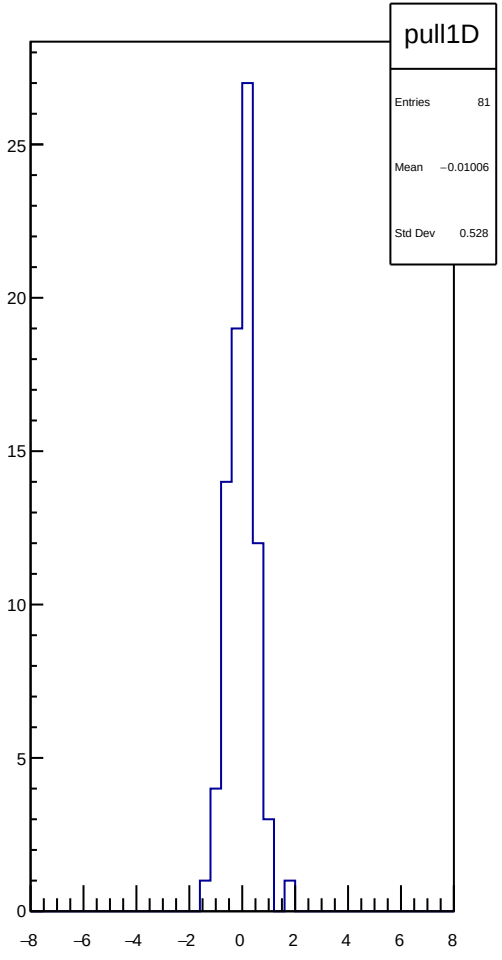

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.99 / 80
p0 9.009 ± 3.916
pull
Entries 81
Mean 259.7
Std Dev 214.5

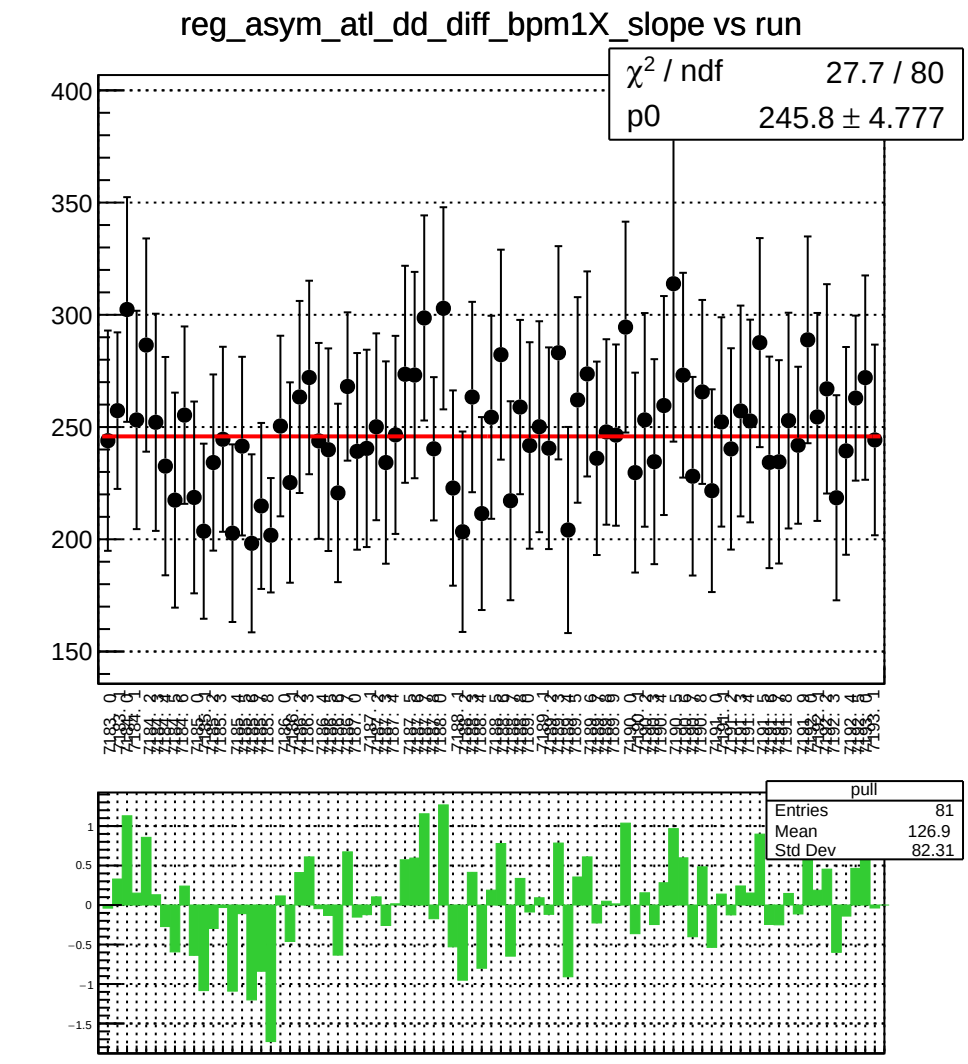

pull1D
Entries 81
Mean 0.02035
Std Dev 0.4575

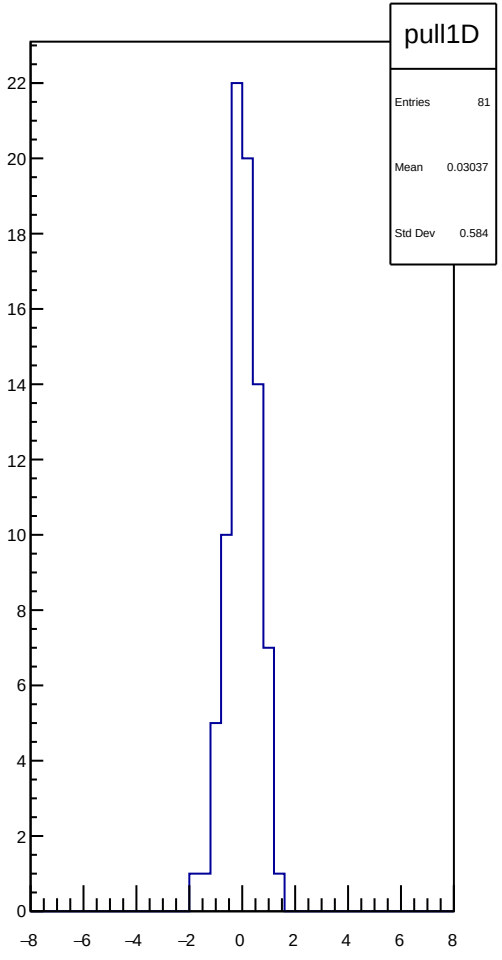

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.41 / 80
p0 249.5 ± 5.265
pull
Entries 81
Mean 197.6
Std Dev 151.8
pull1D
Entries 81
Mean 0.04118
Std Dev 0.6504

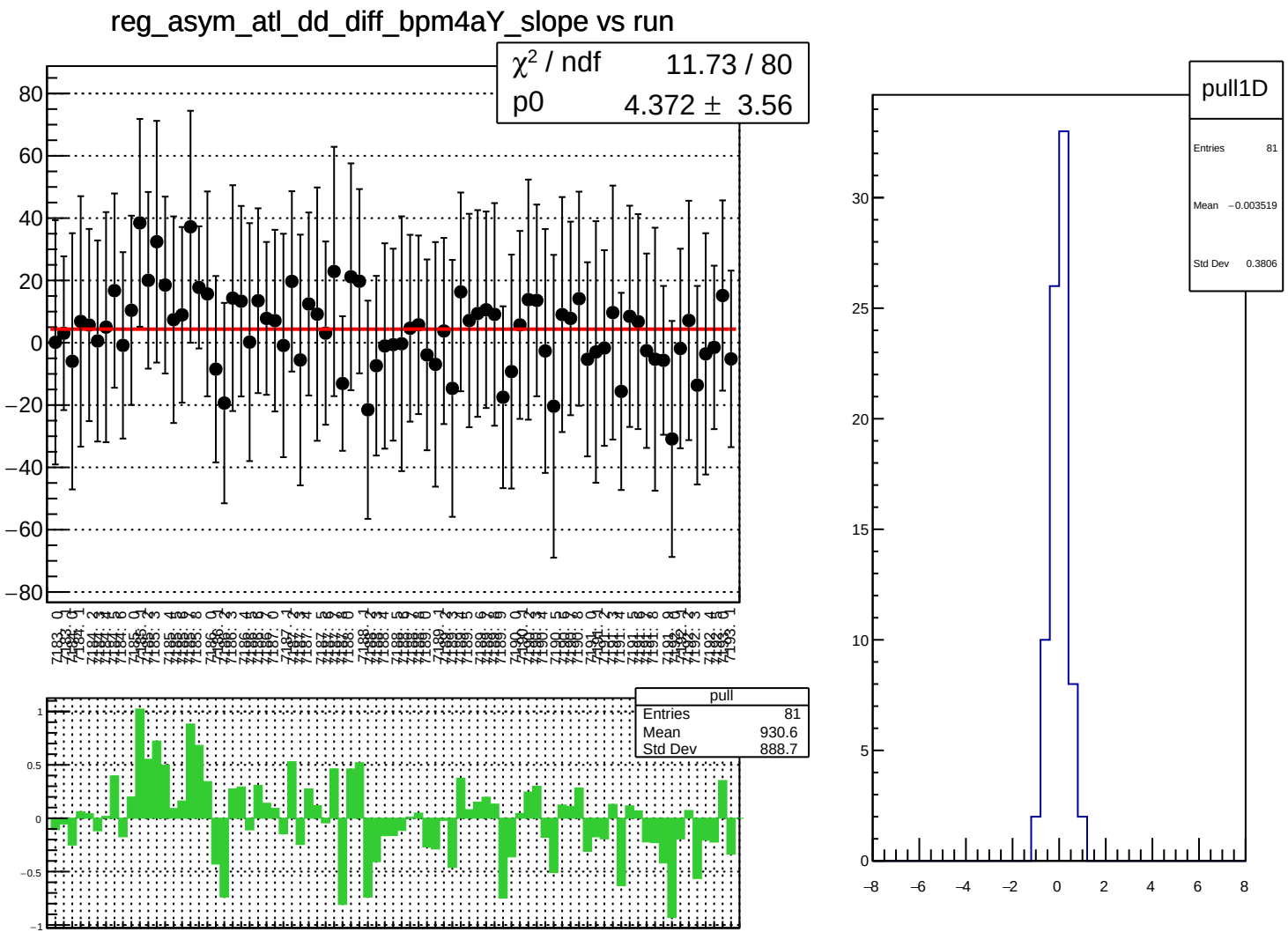

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.63 / 80
p0 57.84 ± 4.254
150
100
50
0
−50
pull
Entries 81
Mean 246.6
Std Dev 200.4
1.5
1
0.5
0
−0.5
pull1D
Entries 81
Mean −0.0224
Std Dev 0.466
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

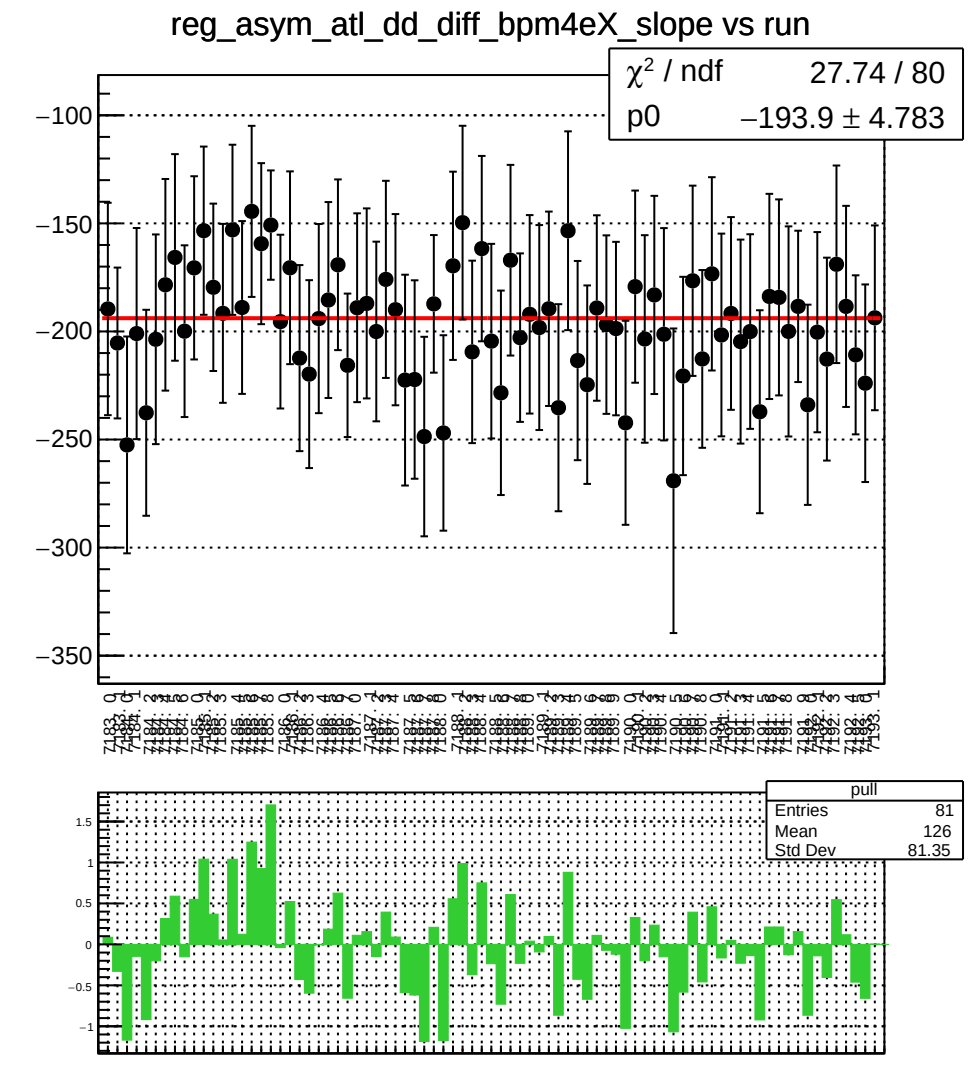

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 22.59 / 80
p0 −152 ± 0.1928
−148
−150
−152
−154
−156
pull
Entries 81
Mean −34.95
Std Dev 73.47
1.5
1
0.5
0
−0.5
−1
−1.5

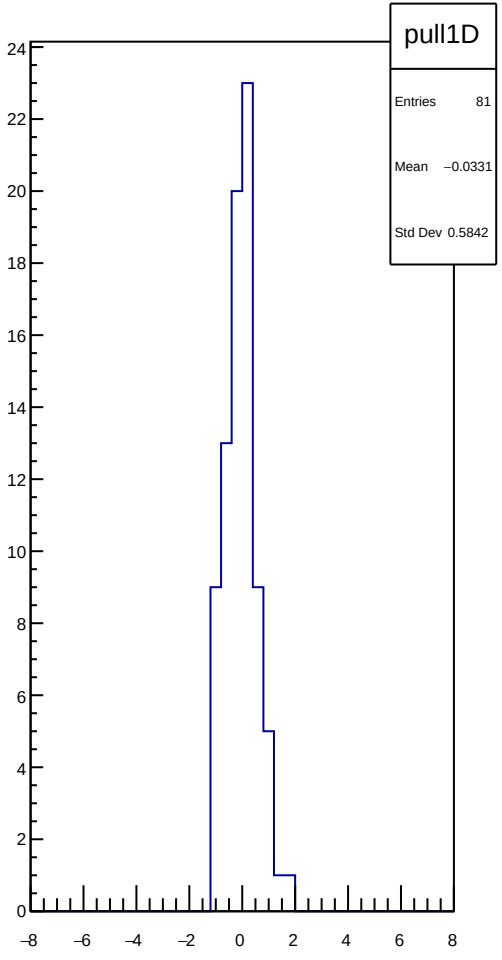

pull1D
Entries 81
Mean −0.01006
Std Dev 0.528
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

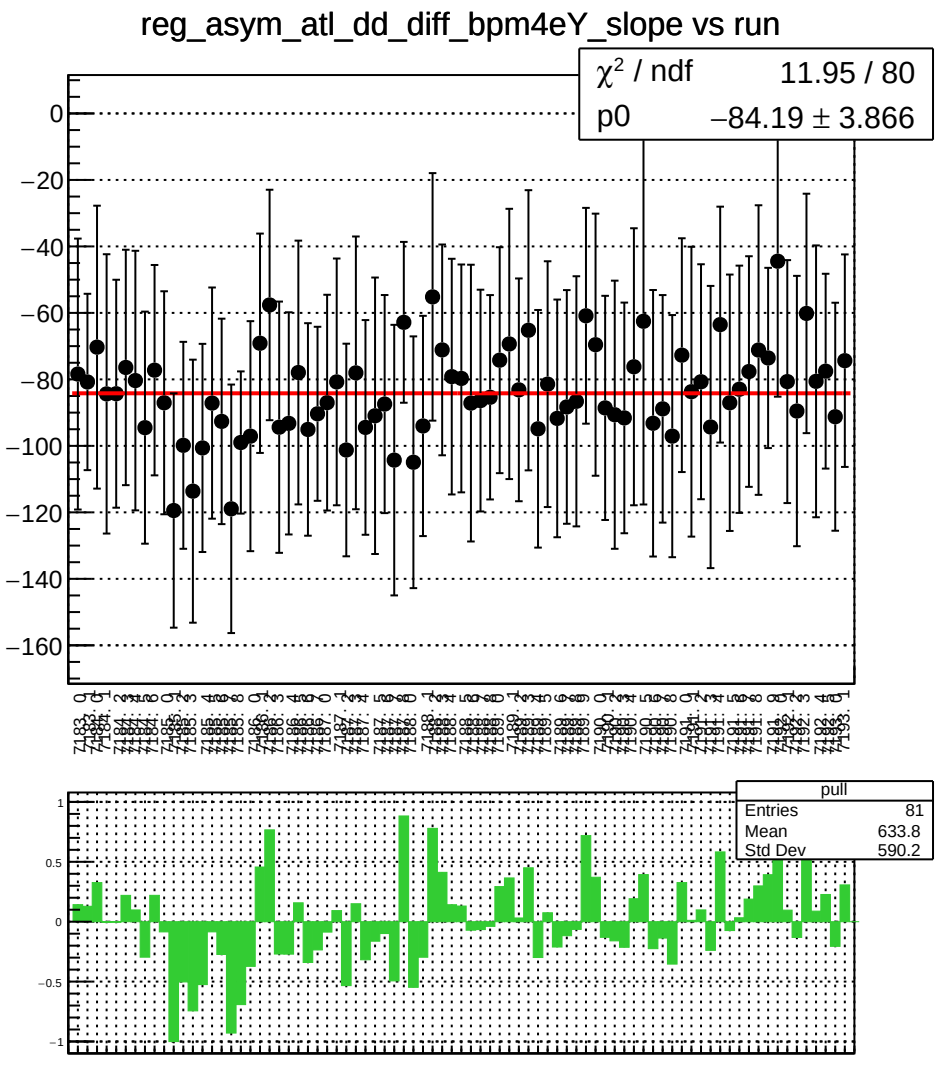

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 27.7 / 80
p0 245.8 ± 4.777
pull
Entries 81
Mean 126.9
Std Dev 82.31

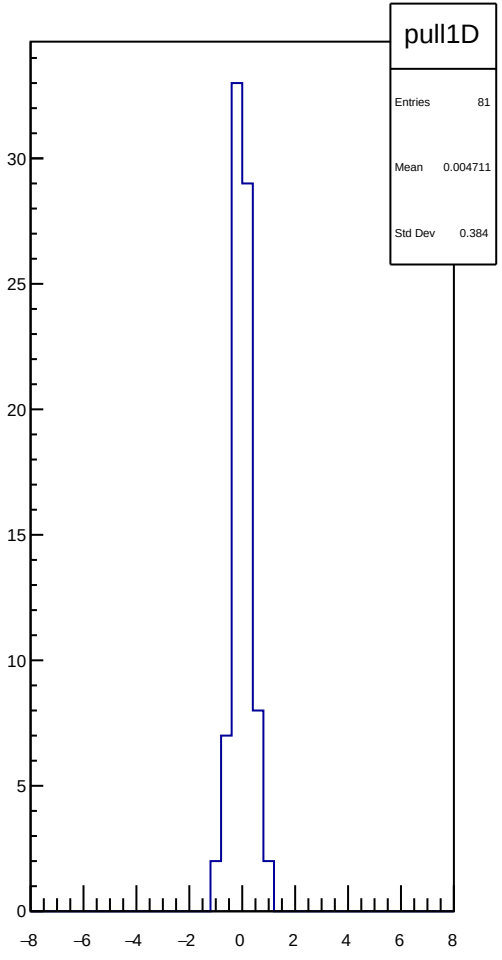

pull1D
Entries 81
Mean 0.03037
Std Dev 0.584

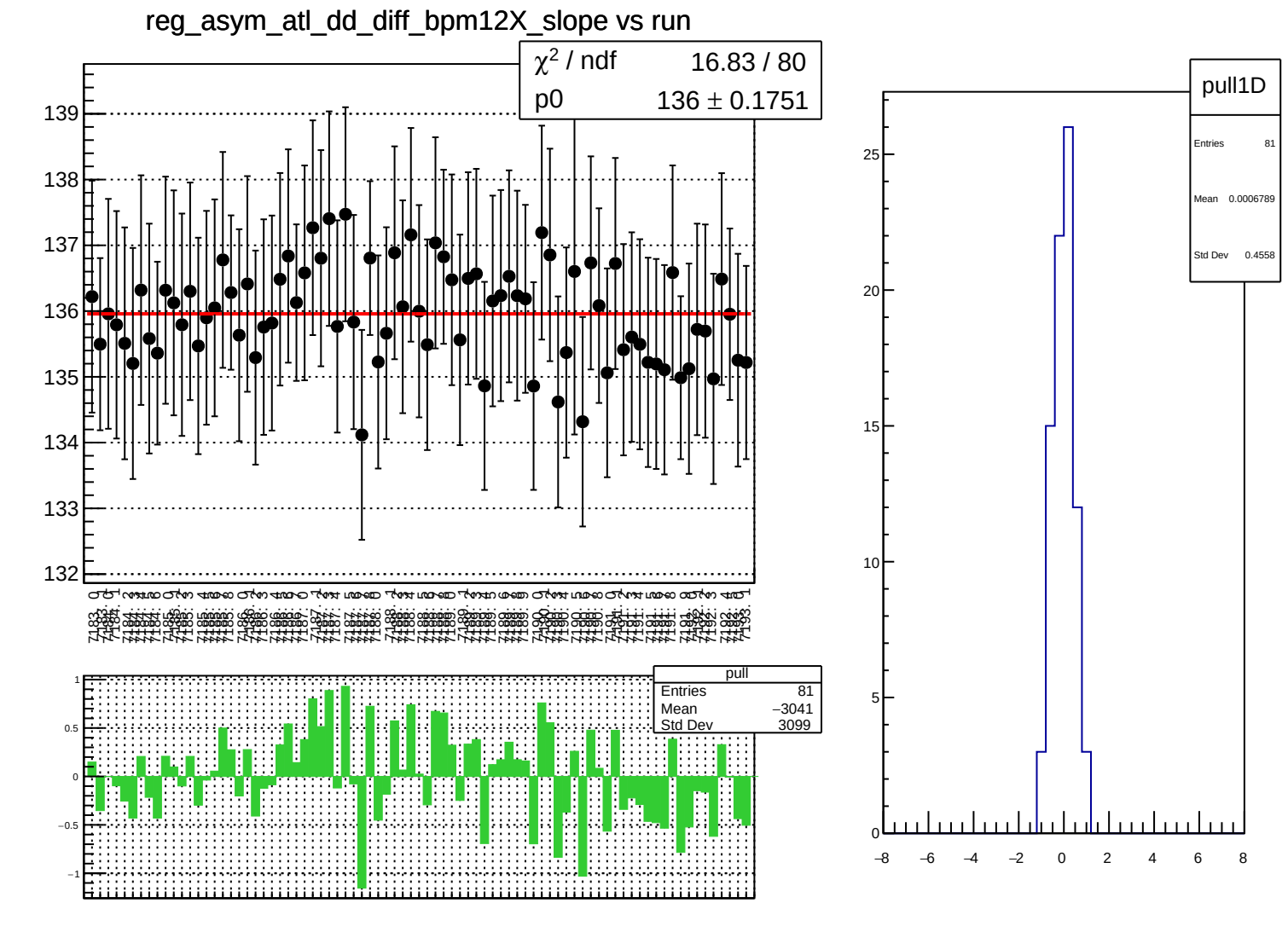

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.73 / 80
p0 4.372 ± 3.56
pull
Entries 81
Mean 930.6
Std Dev 888.7
pull1D
Entries 81
Mean −0.003519
Std Dev 0.3806

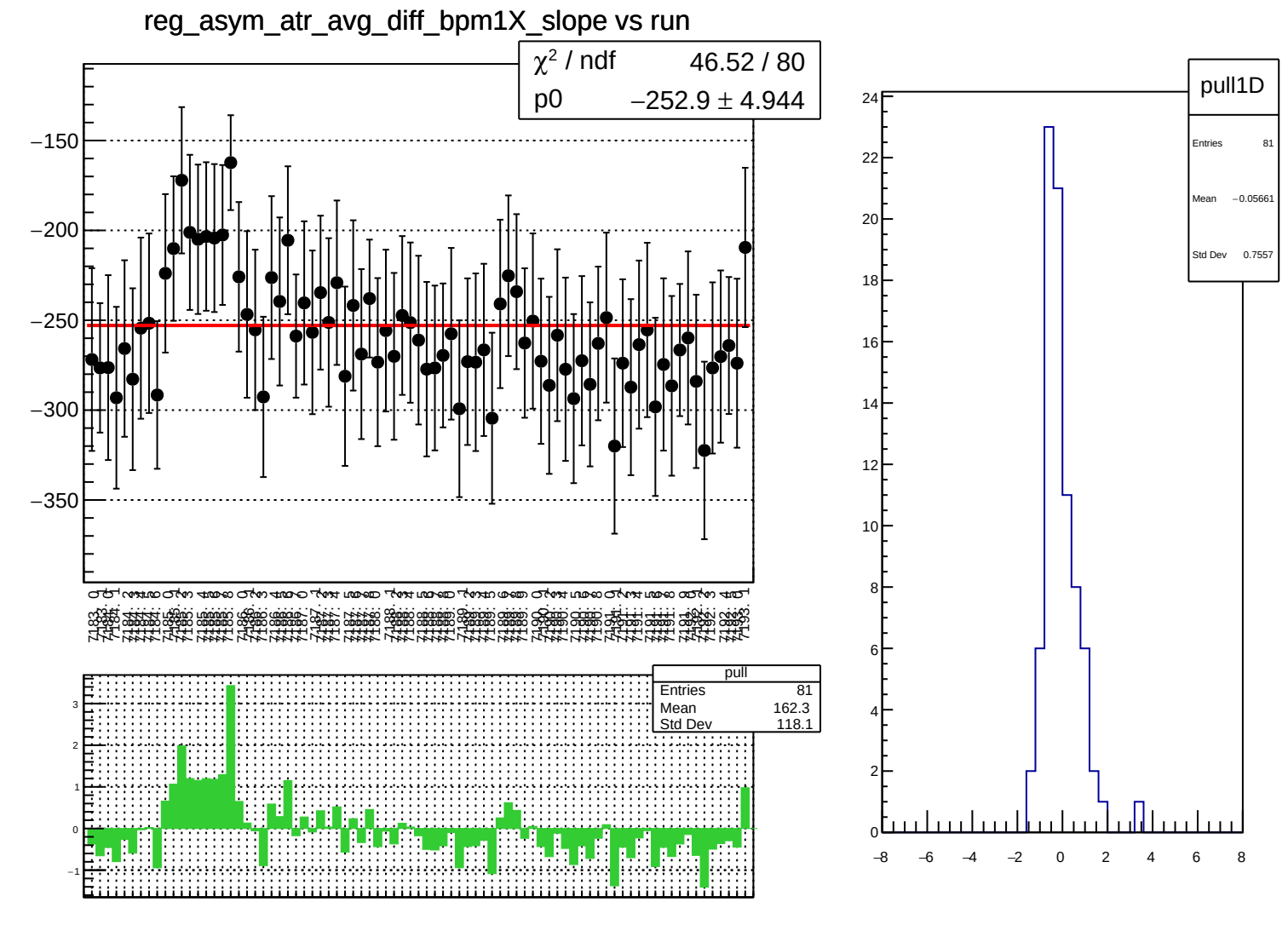

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.74 / 80
p0 −193.9 ± 4.783
pull
Entries 81
Mean 126
Std Dev 81.35

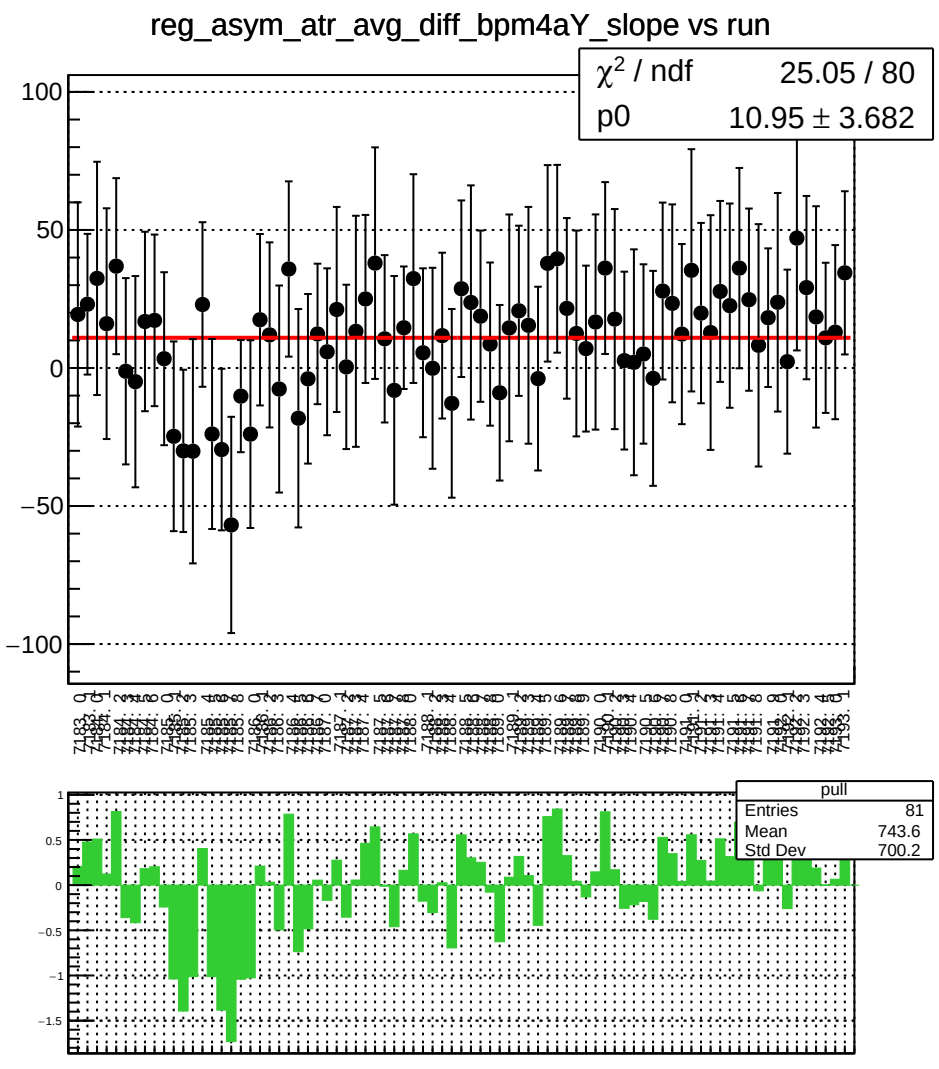

pull1D
Entries 81
Mean −0.0331
Std Dev 0.5842

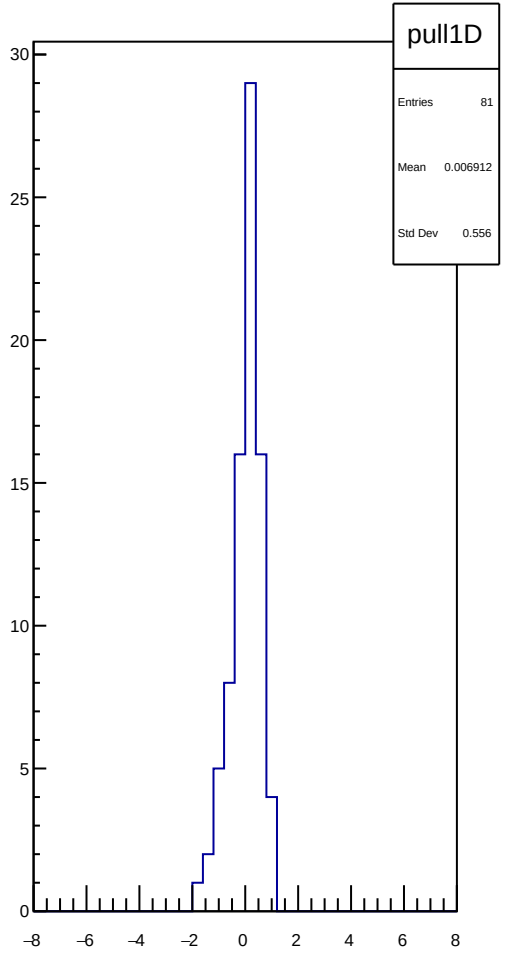

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.95 / 80
p0 −84.19 ± 3.866
pull
Entries 81
Mean 633.8
Std Dev 590.2

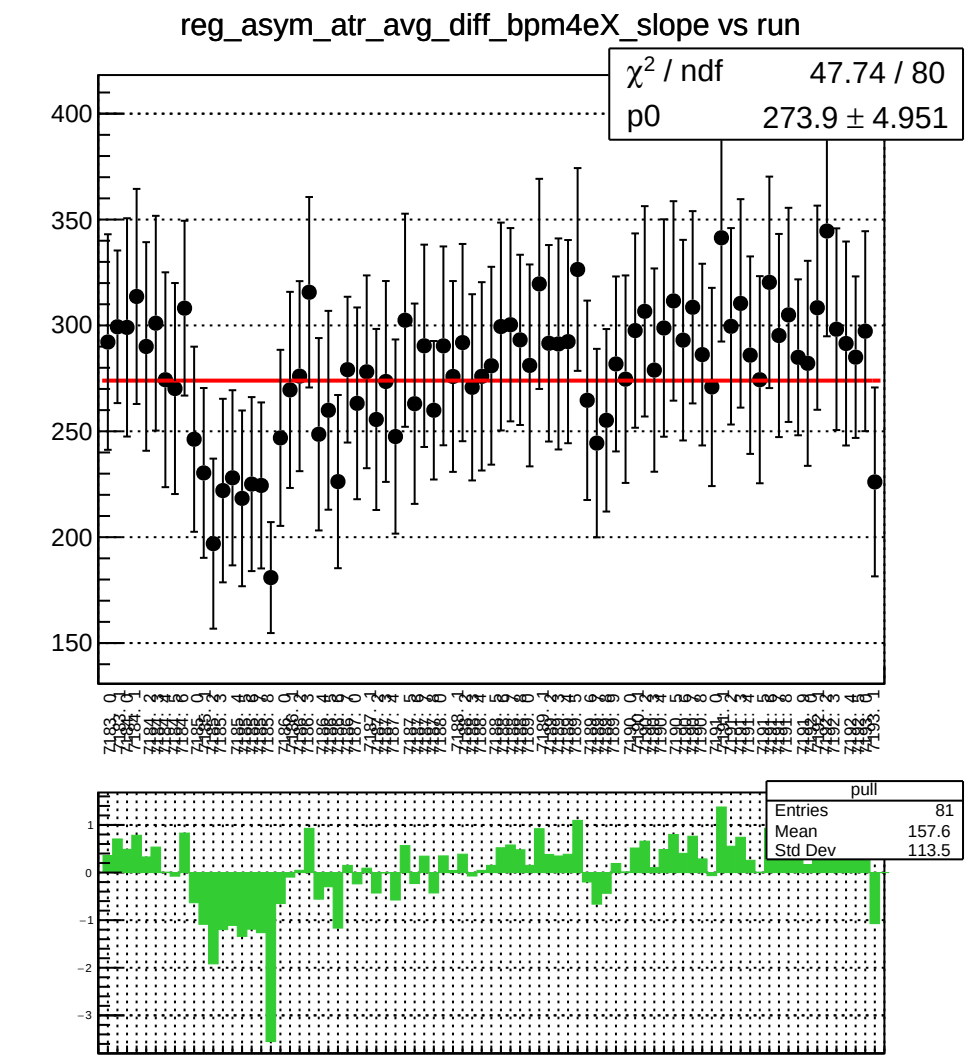

pull1D
Entries 81
Mean 0.004711
Std Dev 0.384

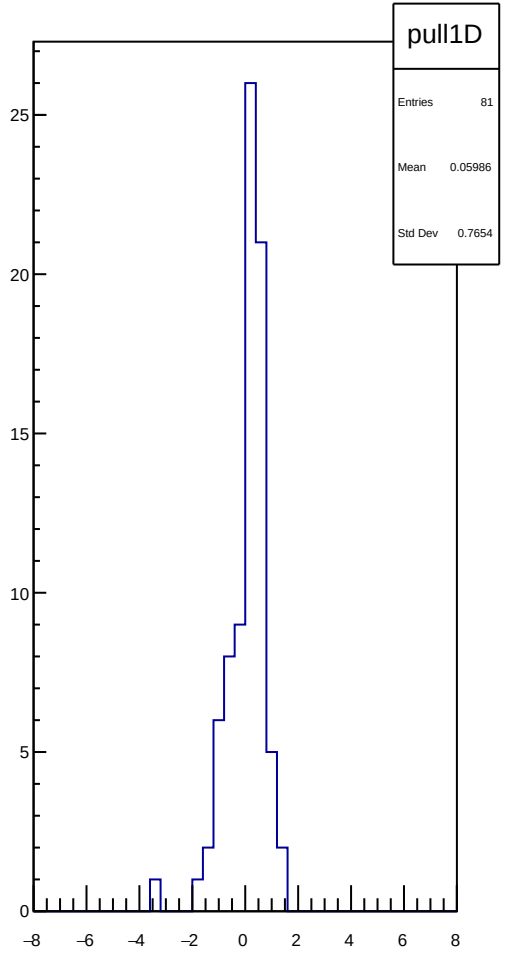

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 16.83 / 80
p0 136 ± 0.1751
pull
Entries 81
Mean −3041
Std Dev 3099
pull1D
Entries 81
Mean 0.0006789
Std Dev 0.4558

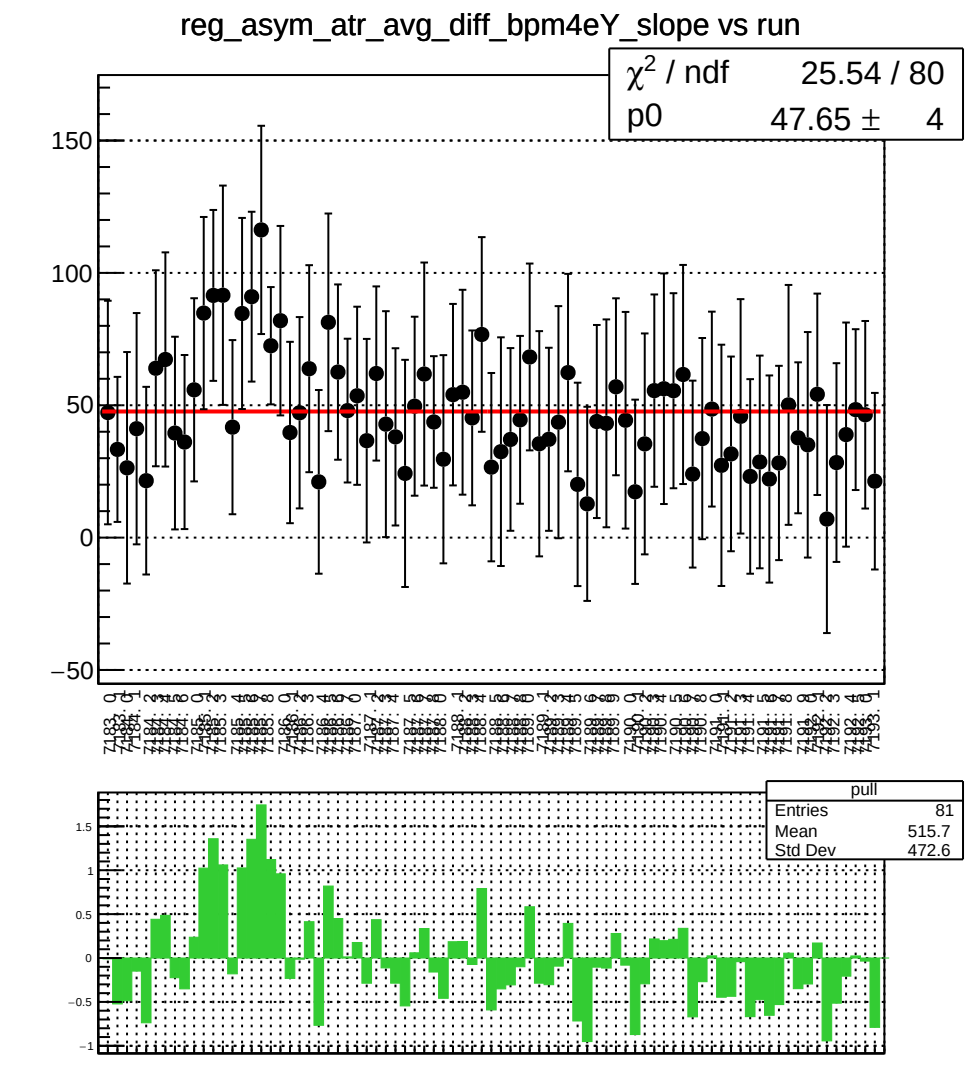

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 46.52 / 80
p0 −252.9 ± 4.944
−150
−200
−250
−300
−350
pull
Entries 81
Mean 162.3
Std Dev 118.1
3
2
1
0
−1
pull1D
Entries 81
Mean −0.05661
Std Dev 0.7557
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

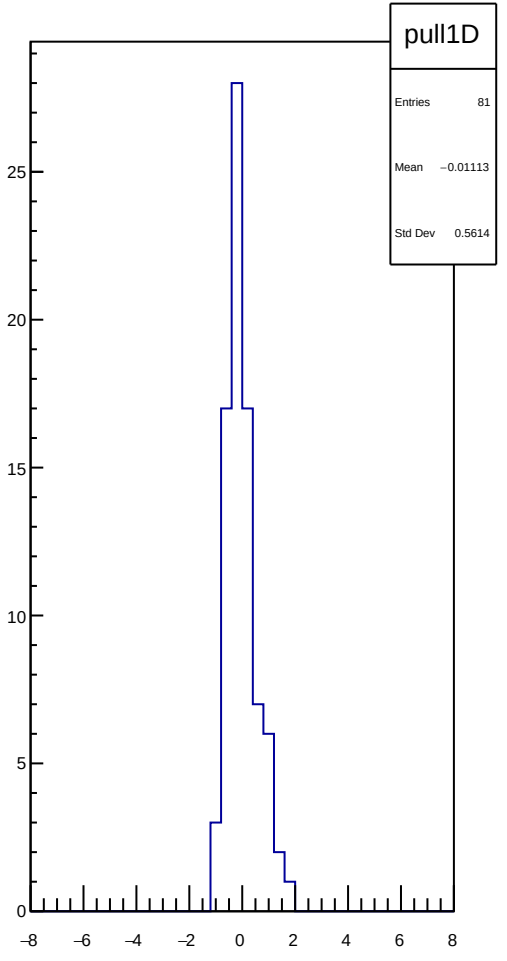

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.05 / 80
p0 10.95 ± 3.682
100
50
0
−50
−100
pull
Entries 81
Mean 743.6
Std Dev 700.2
1
0.5
0
−0.5
−1
−1.5

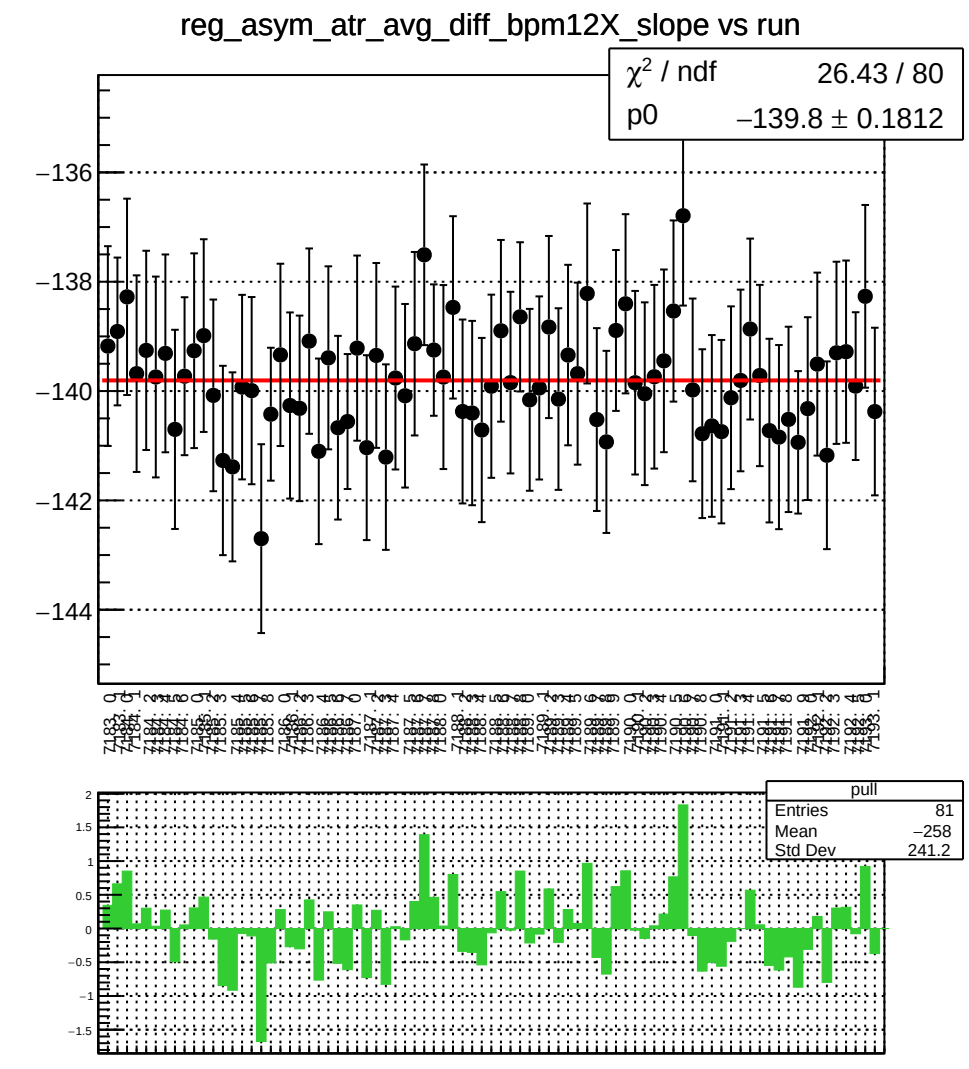

pull1D
Entries 81
Mean 0.006912
Std Dev 0.556
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

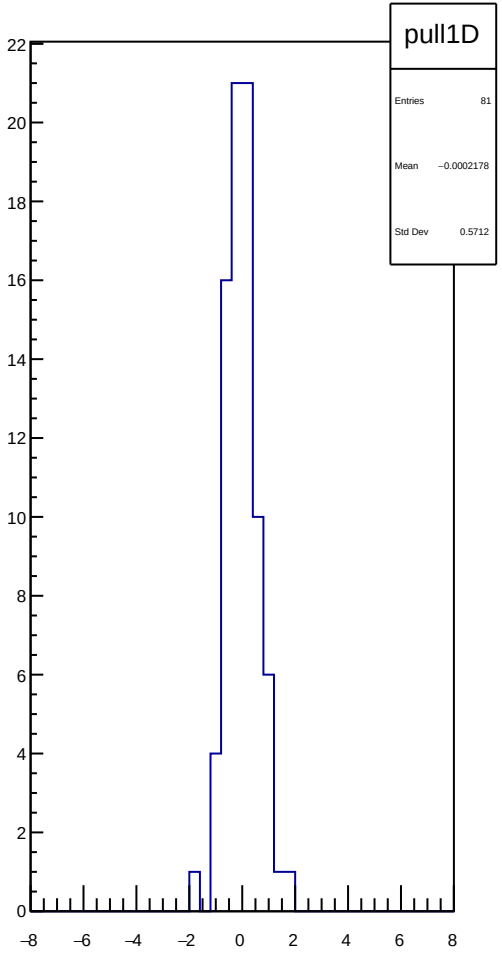

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.74 / 80
p0 273.9 ± 4.951
pull
Entries 81
Mean 157.6
Std Dev 113.5

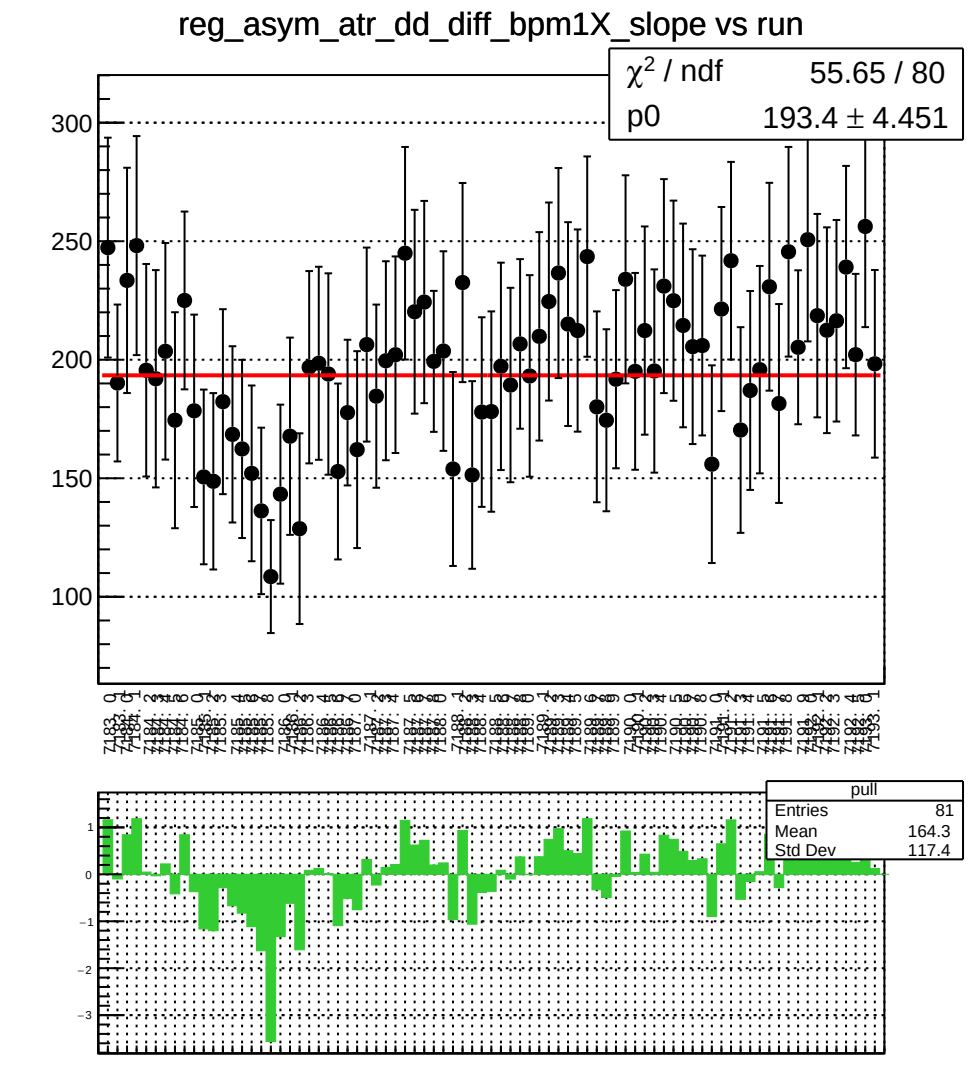

pull1D
Entries 81
Mean 0.05986
Std Dev 0.7654

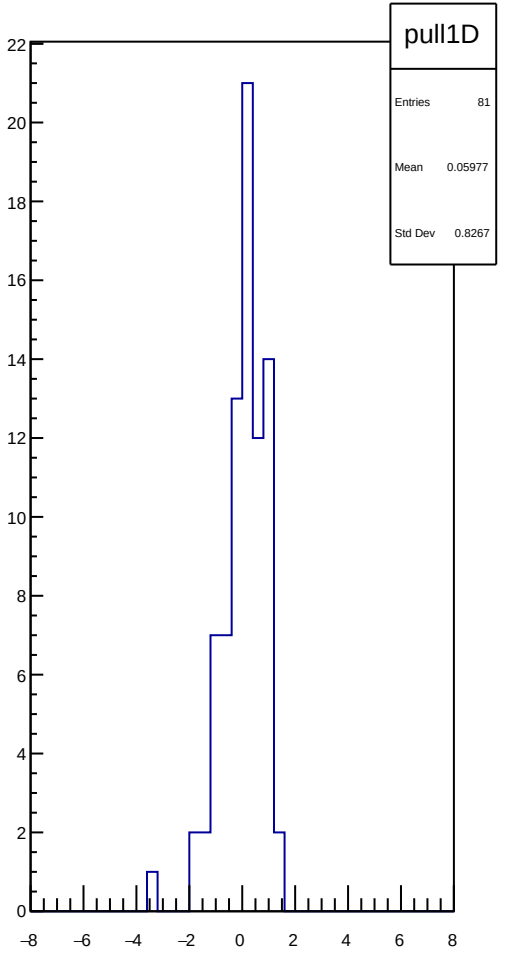

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.54 / 80
p0 47.65 ± 4
150
100
50
0
−50
pull
Entries 81
Mean 515.7
Std Dev 472.6
1.5
1
0.5
0
−0.5
−1

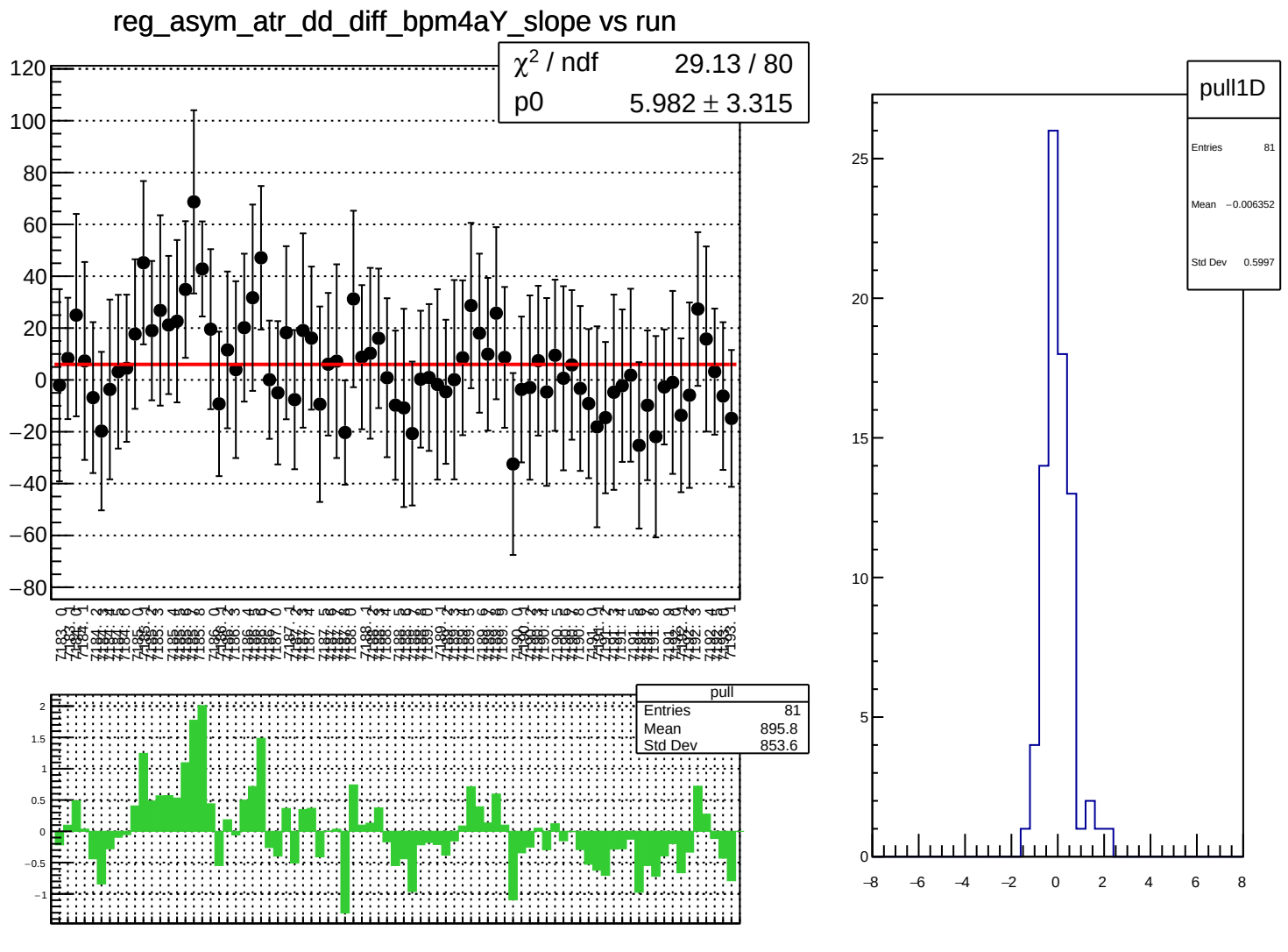

pull1D
Entries 81
Mean −0.01113
Std Dev 0.5614
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

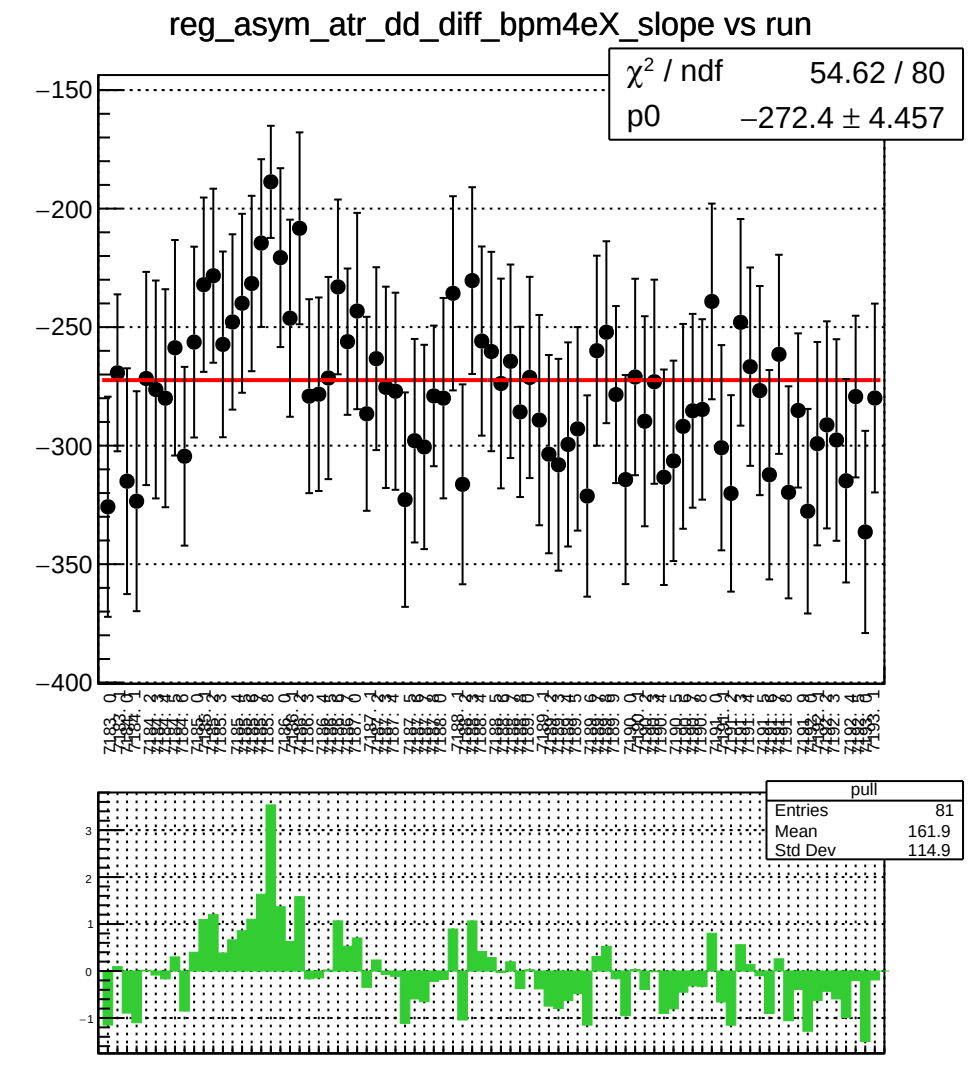

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 26.43 / 80
p0 −139.8 ± 0.1812
−136
−138
−140
−142
−144
pull
Entries 81
Mean −258
Std Dev 241.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

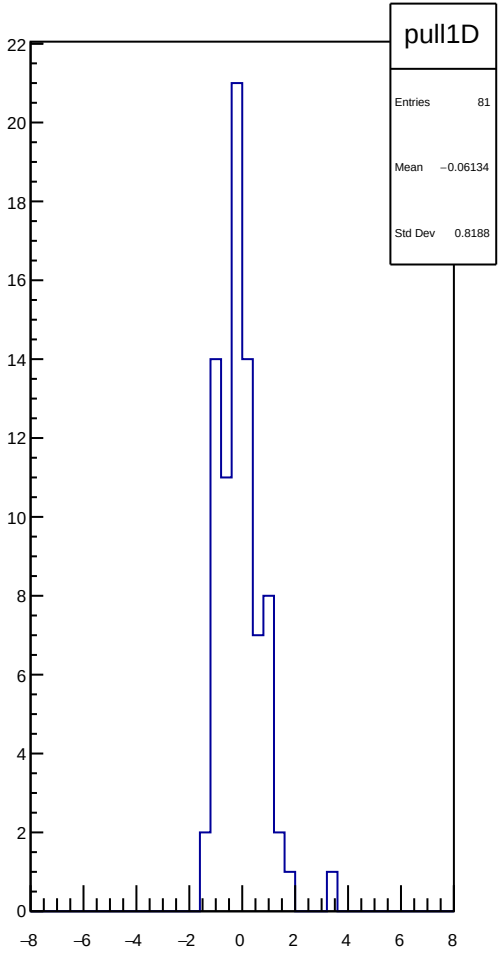

pull1D
Entries 81
Mean −0.0002178
Std Dev 0.5712
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

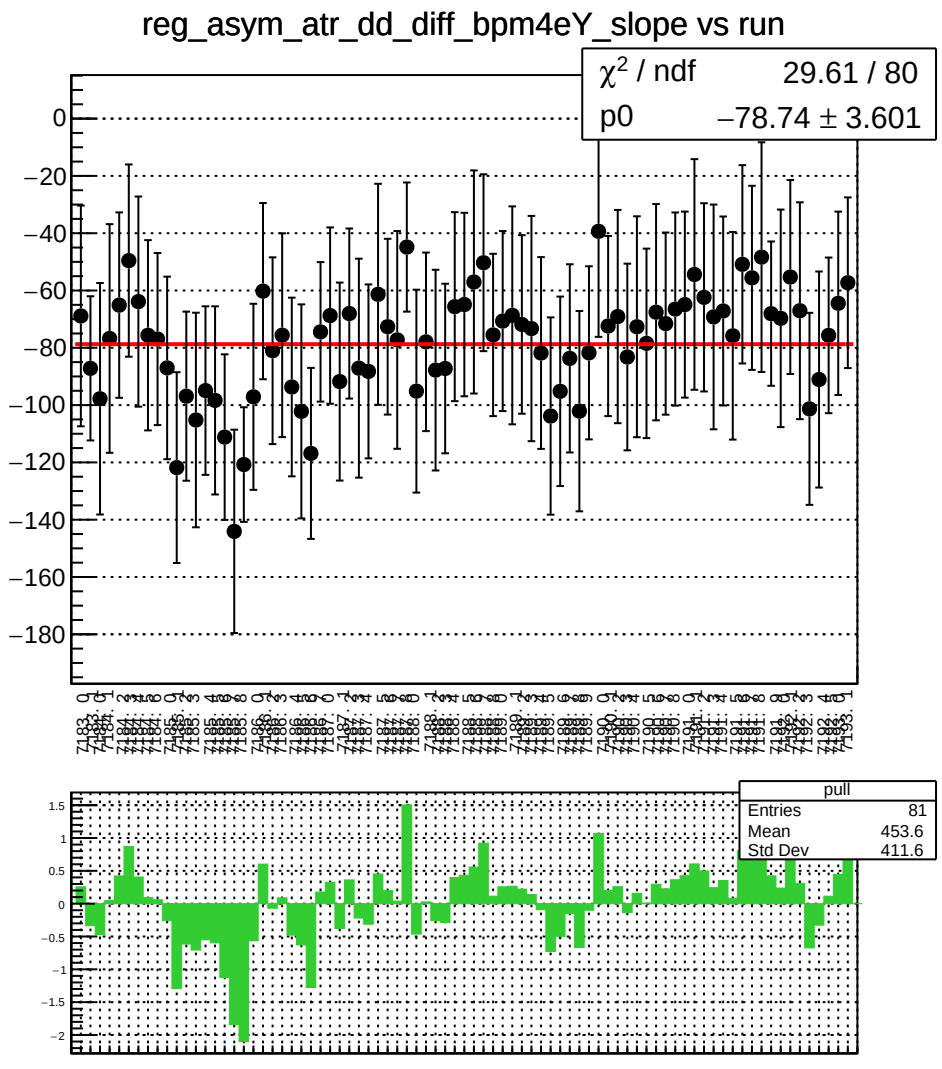

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 55.65 / 80
p0 193.4 ± 4.451
300
250
200
150
100
pull
Entries 81
Mean 164.3
Std Dev 117.4
1
0
−1
−2
−3

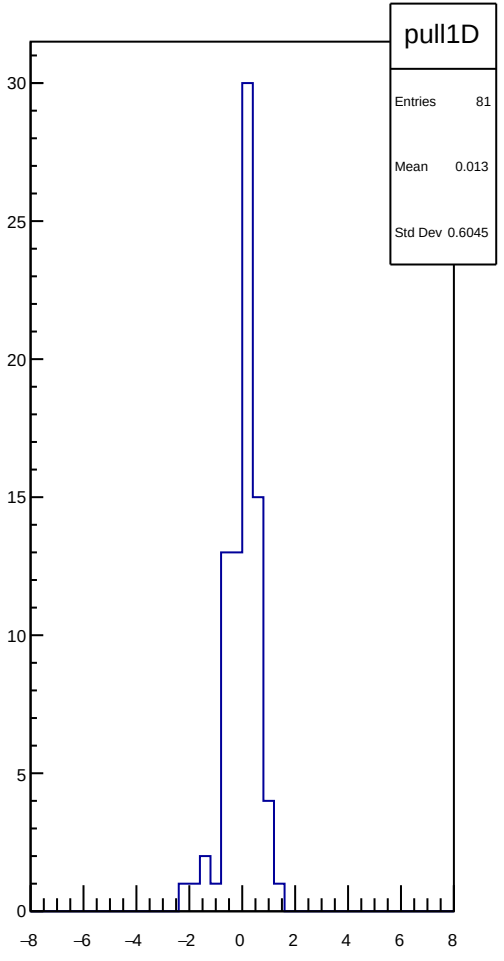

pull1D
Entries 81
Mean 0.05977
Std Dev 0.8267
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

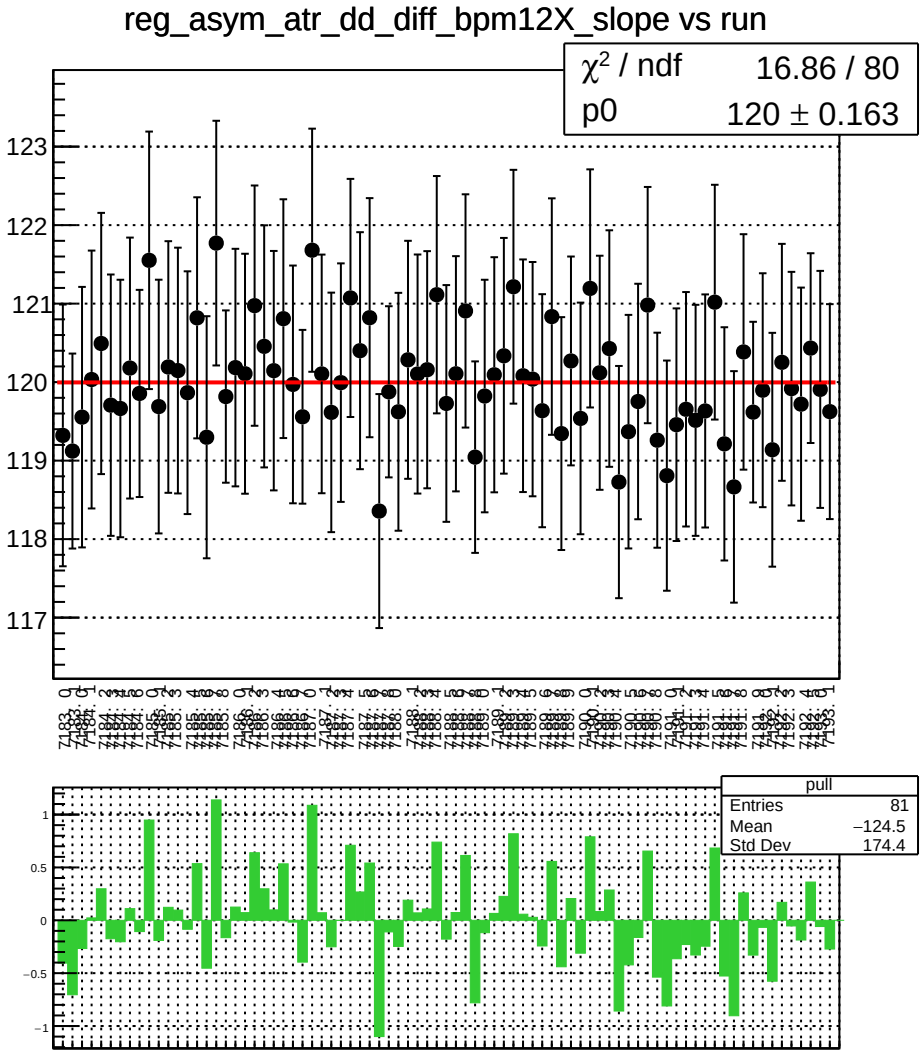

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.13 / 80
p0 5.982 ± 3.315
pull
Entries 81
Mean 895.8
Std Dev 853.6
pull1D
Entries 81
Mean −0.006352
Std Dev 0.5997

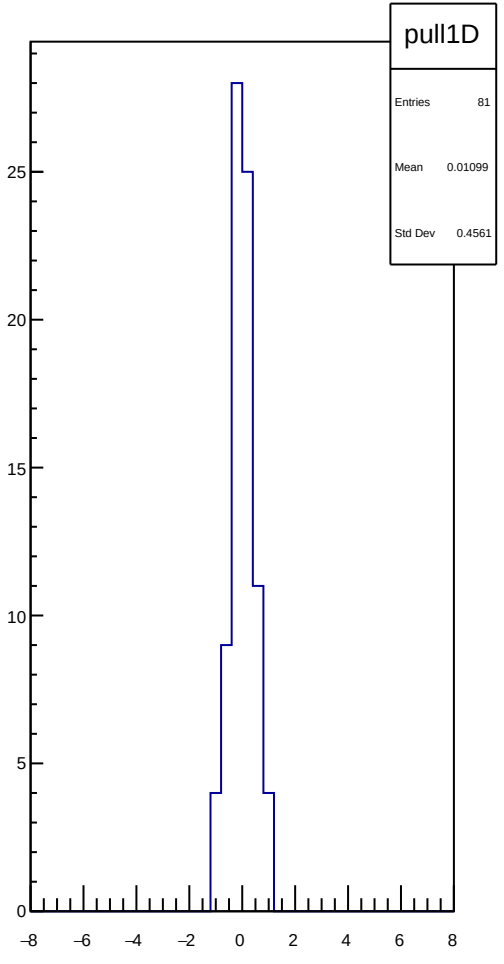

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.62 / 80
p0 −272.4 ± 4.457
pull
Entries 81
Mean 161.9
Std Dev 114.9

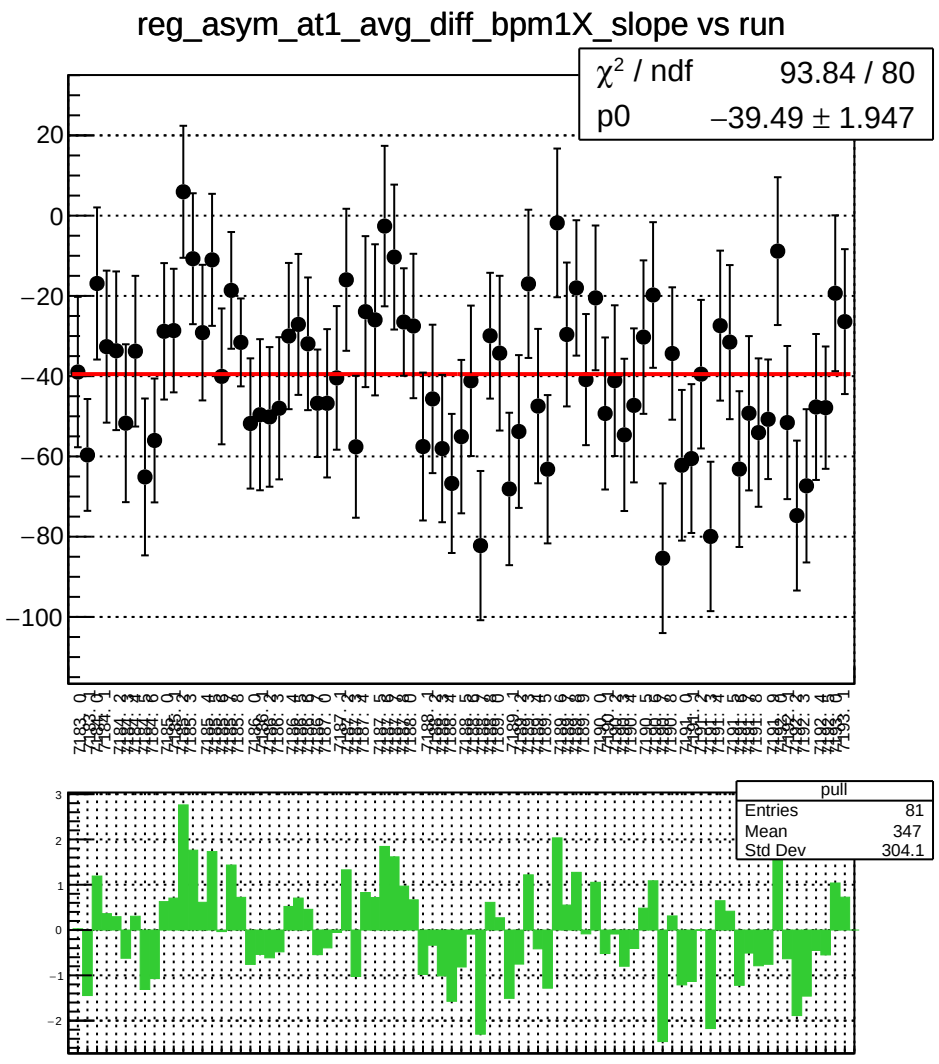

pull1D
Entries 81
Mean −0.06134
Std Dev 0.8188

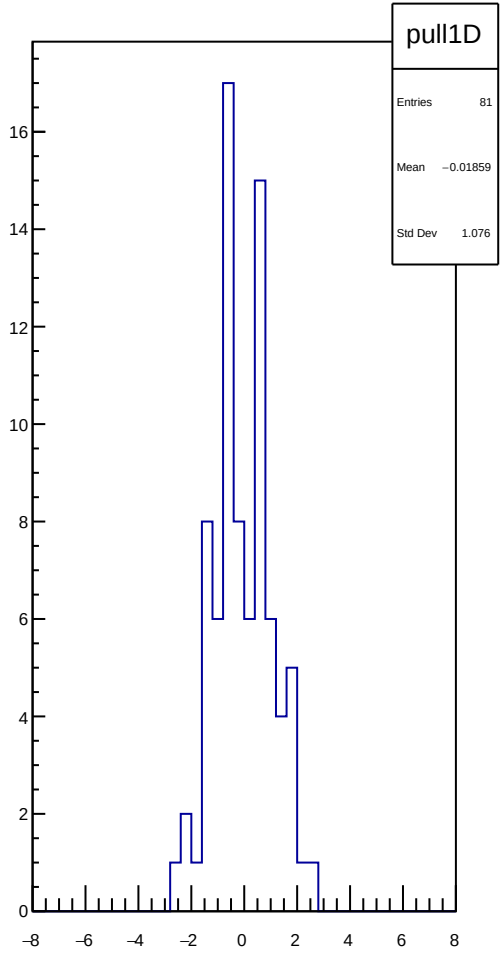

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.61 / 80
p0 −78.74 ± 3.601
pull
Entries 81
Mean 453.6
Std Dev 411.6

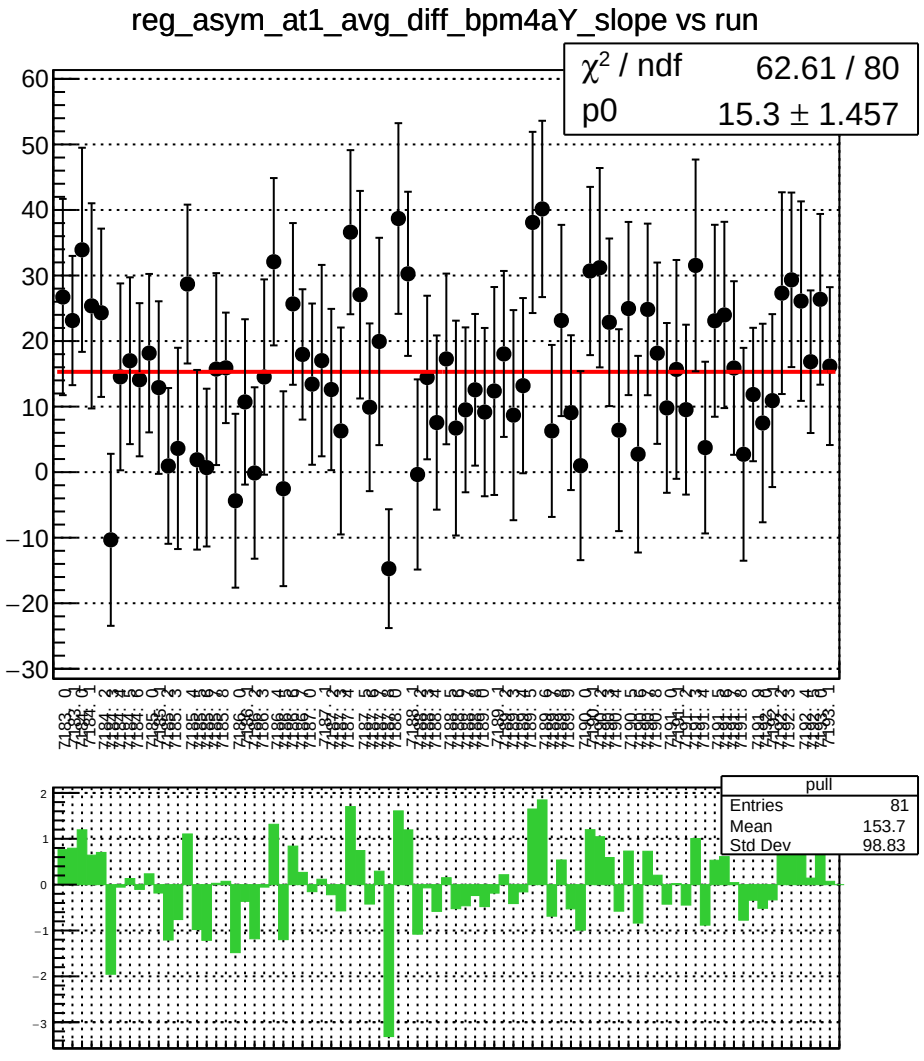

pull1D
Entries 81
Mean 0.013
Std Dev 0.6045

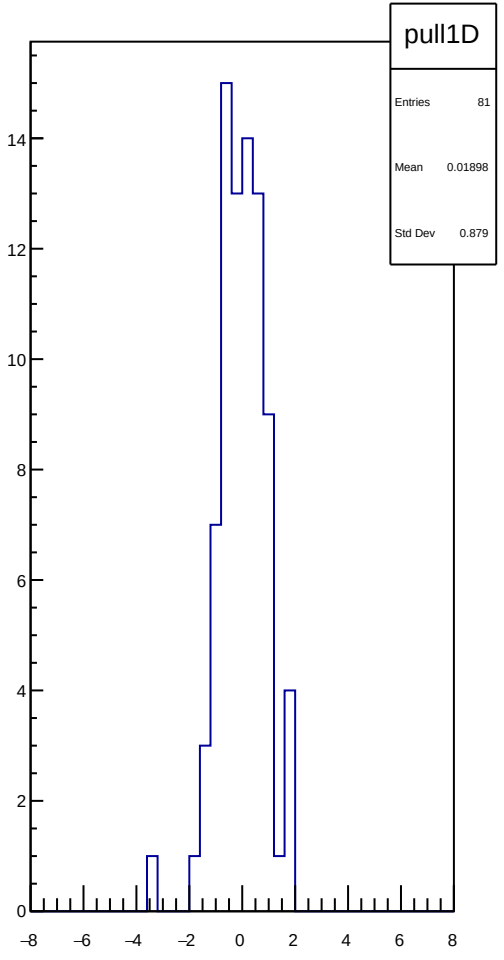

reg_asym_atr_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 16.86 / 80
p0 120 ± 0.163
123
122
121
120
119
118
117
pull
Entries 81
Mean −124.5
Std Dev 174.4
1
0.5
0
−0.5
−1

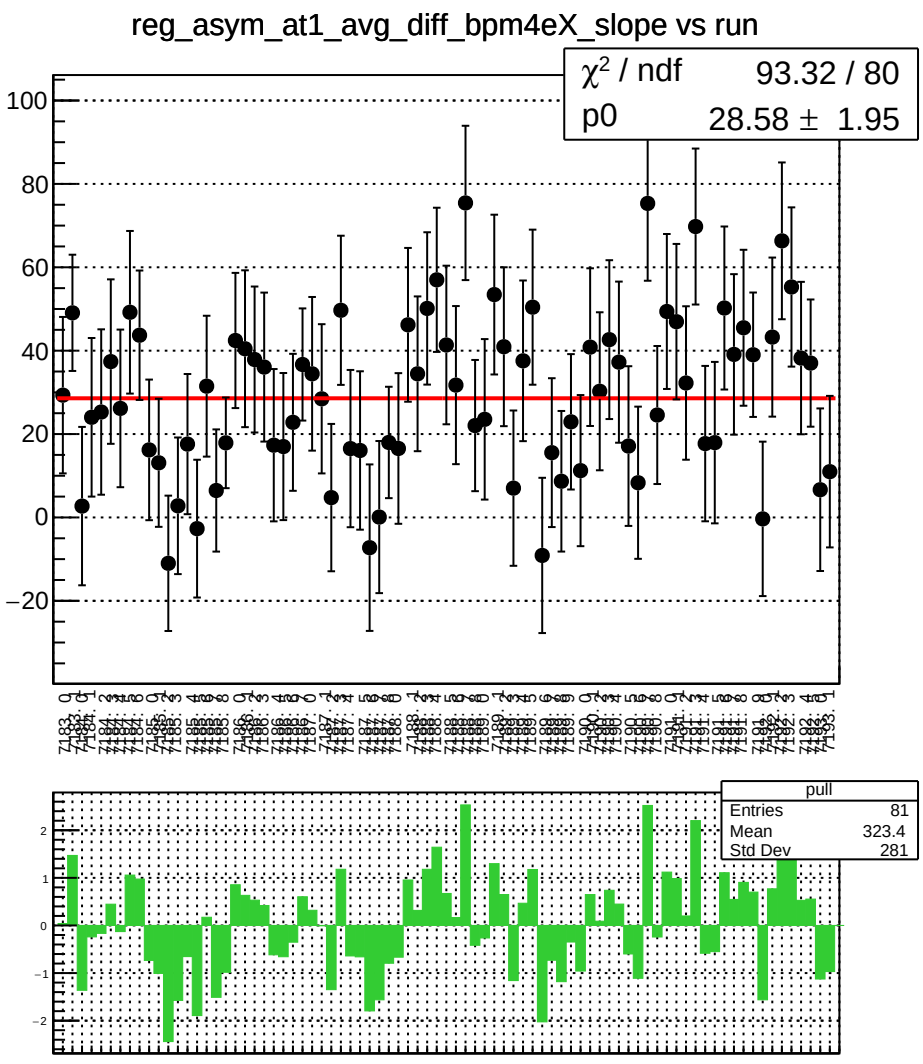

pull1D
Entries 81
Mean 0.01099
Std Dev 0.4561
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

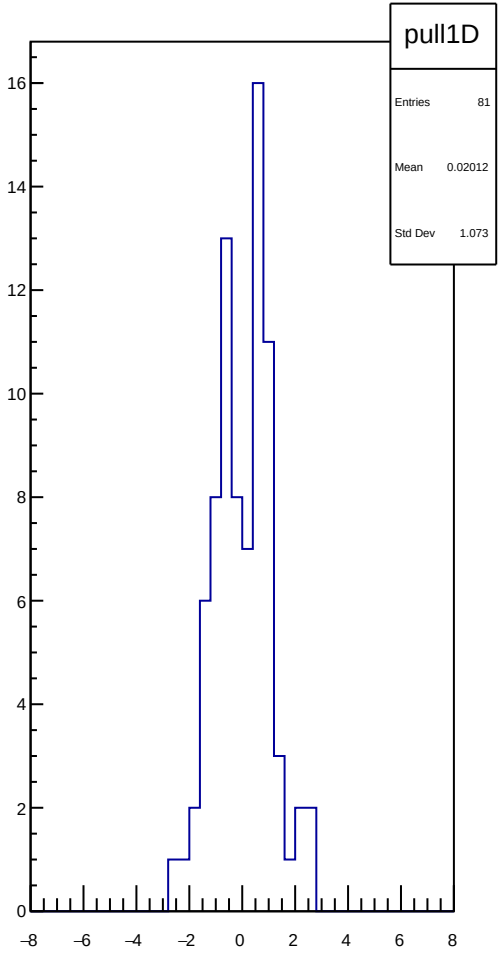

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 93.84 / 80
p0 −39.49 ± 1.947
pull
Entries 81
Mean 347
Std Dev 304.1

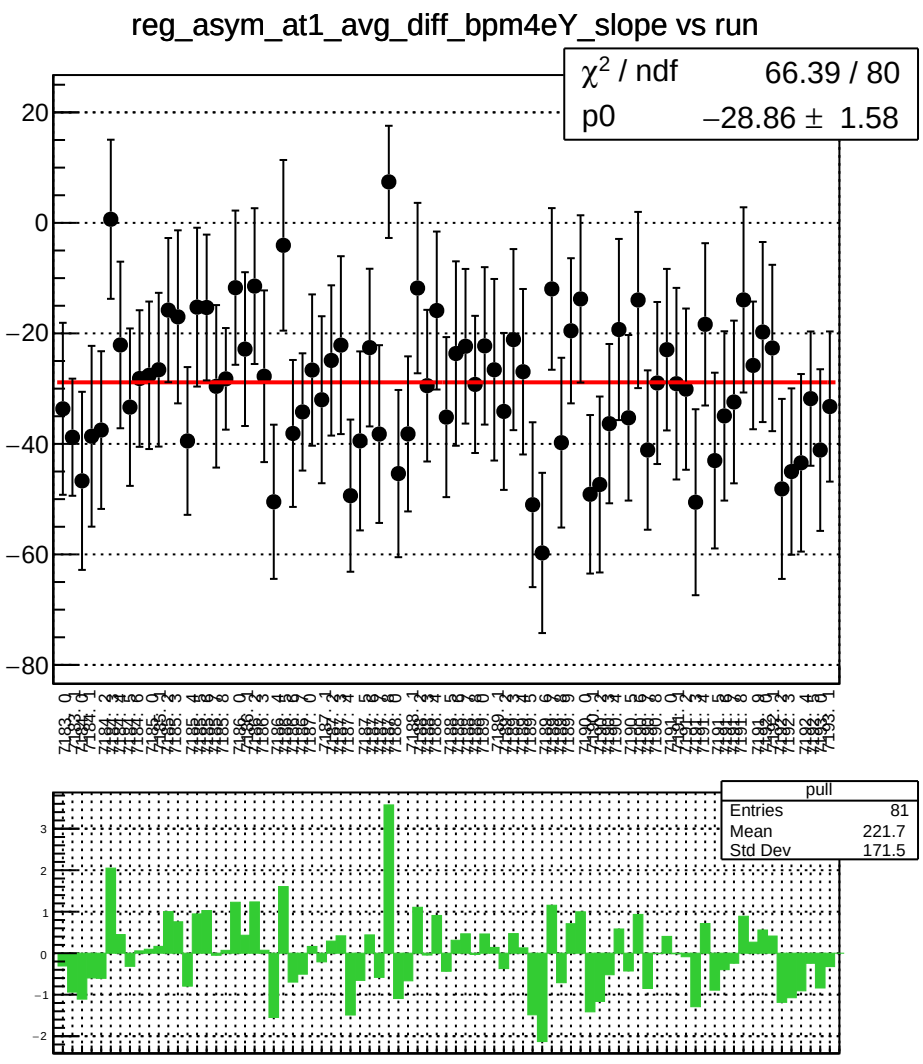

pull1D
Entries 81
Mean −0.01859
Std Dev 1.076

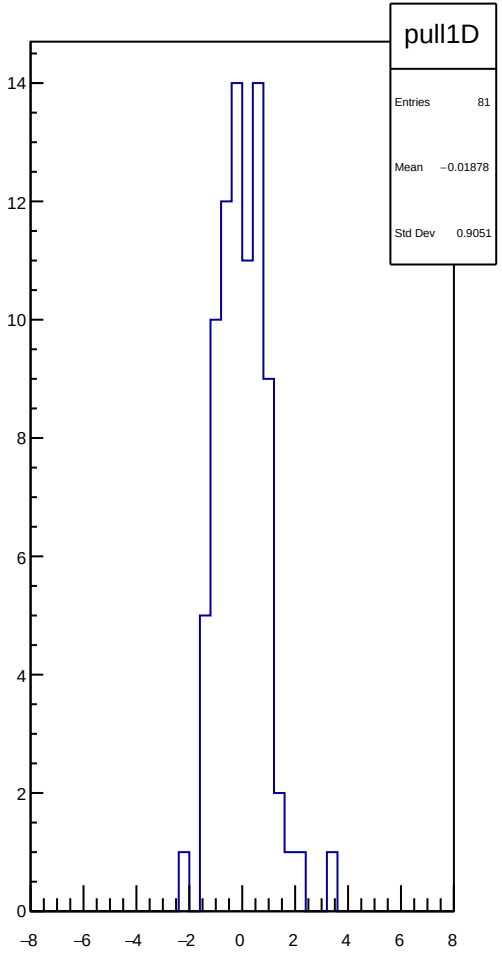

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.61 / 80
p0 15.3 ± 1.457
pull
Entries 81
Mean 153.7
Std Dev 98.83

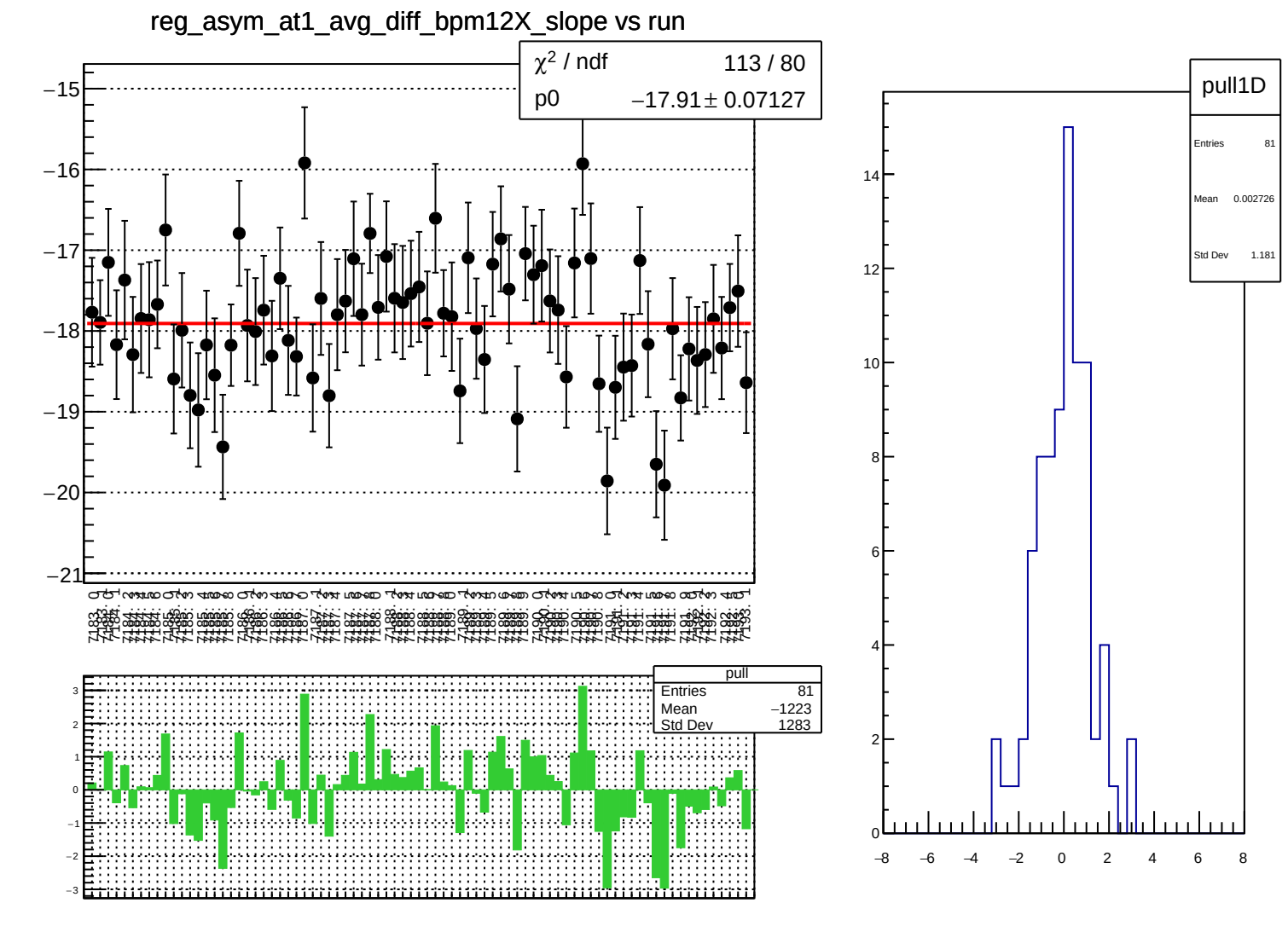

pull1D
Entries 81
Mean 0.01898
Std Dev 0.879

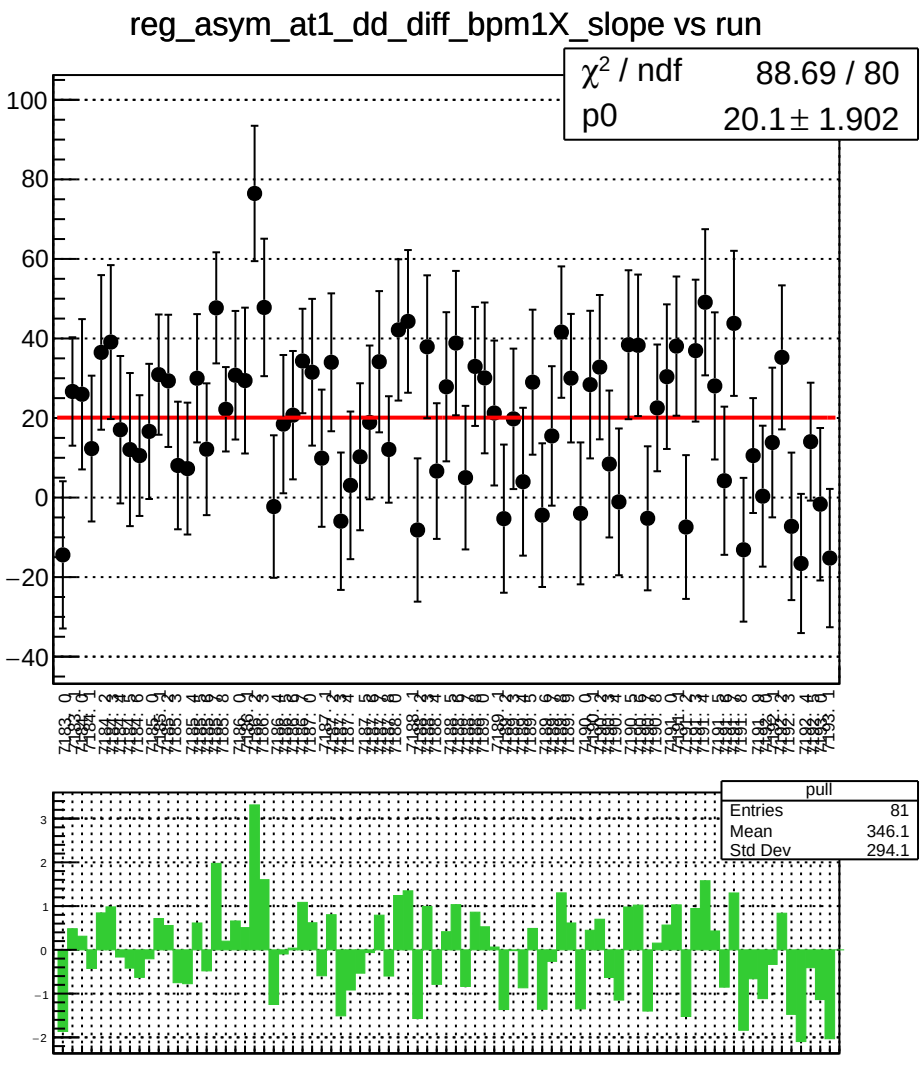

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 93.32 / 80
p0 28.58 ± 1.95
pull
Entries 81
Mean 323.4
Std Dev 281

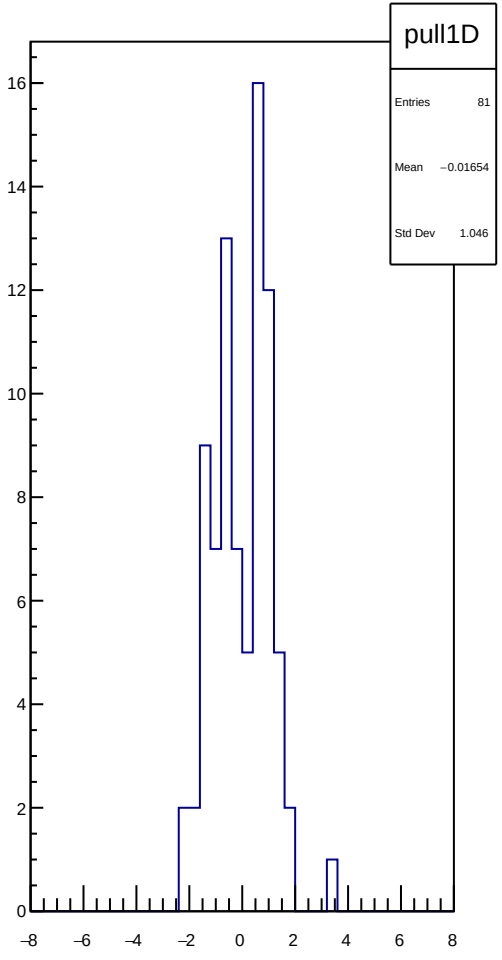

pull1D
Entries 81
Mean 0.02012
Std Dev 1.073

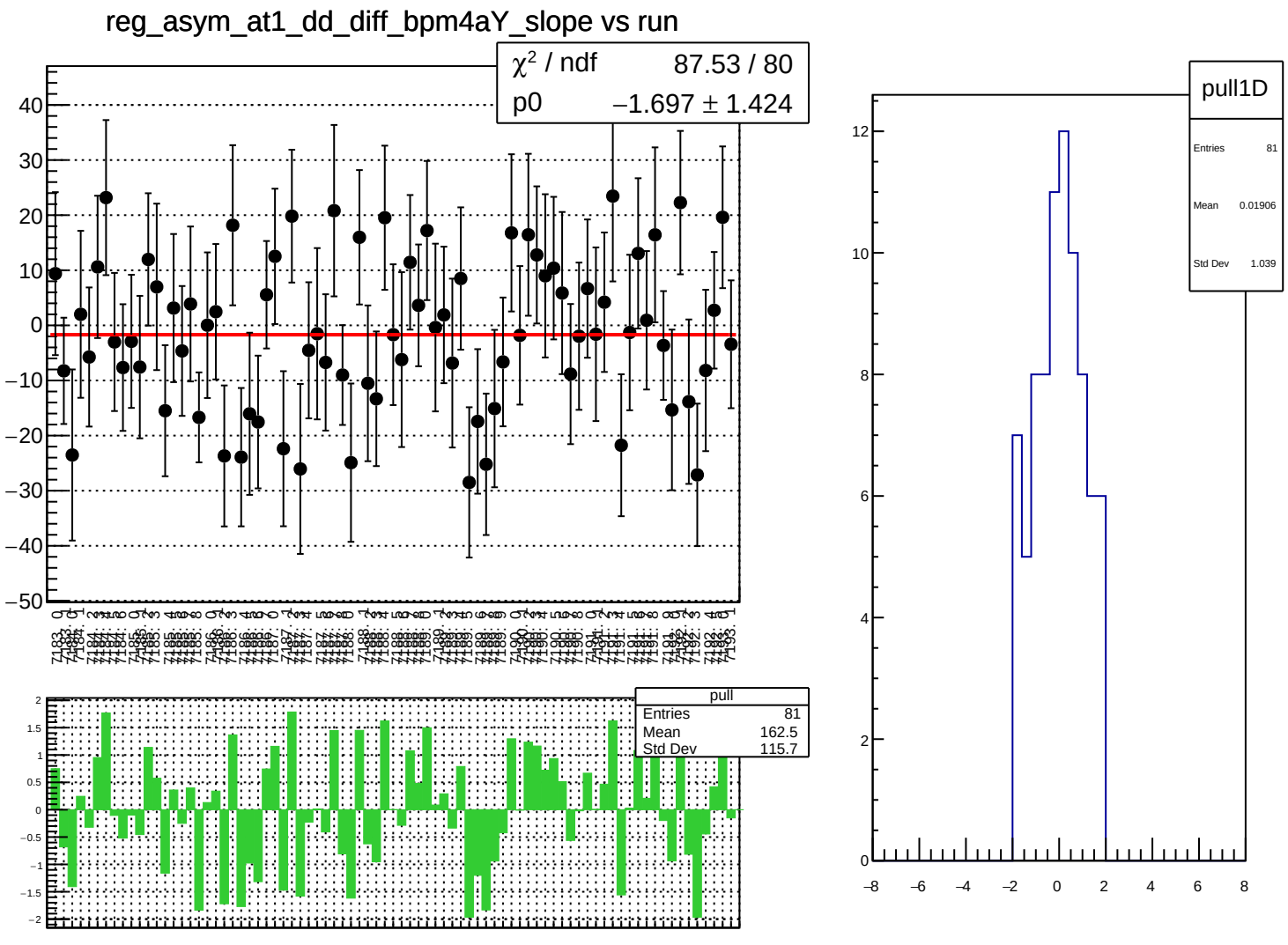

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.39 / 80
p0 −28.86 ± 1.58
pull
Entries 81
Mean 221.7
Std Dev 171.5

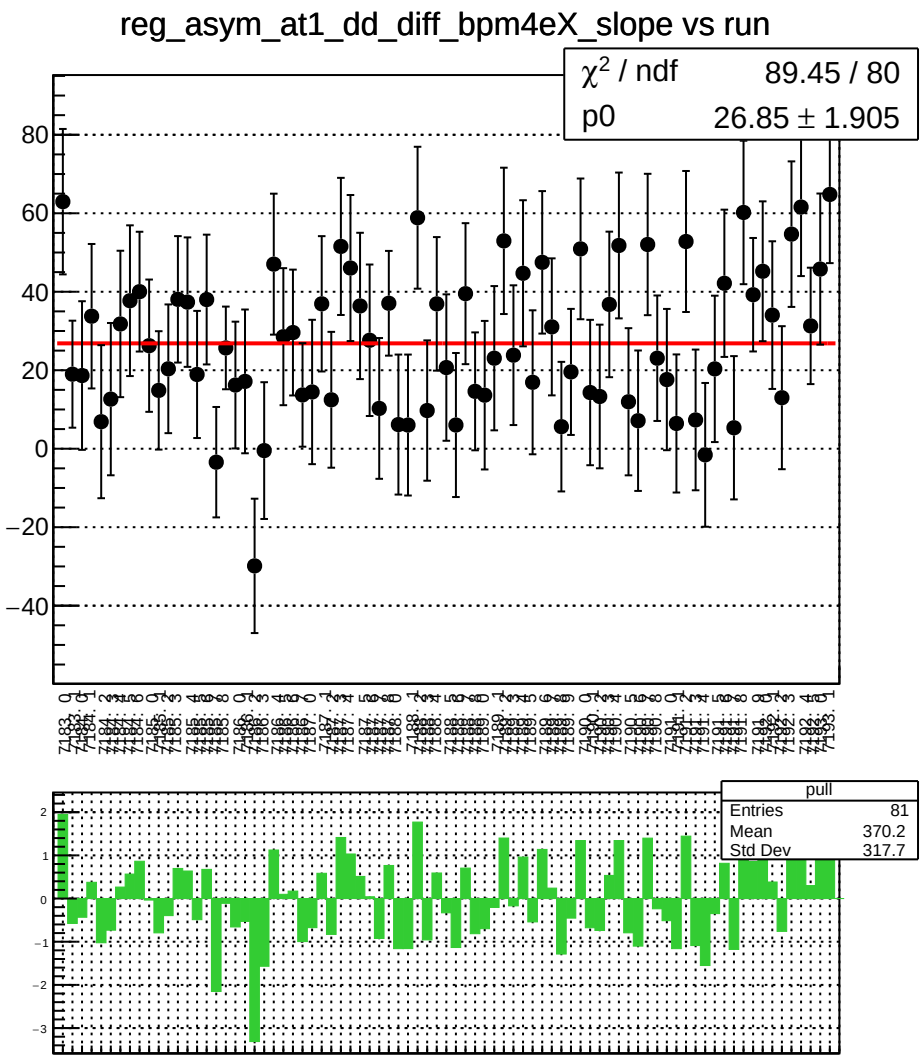

pull1D
Entries 81
Mean −0.01878
Std Dev 0.9051

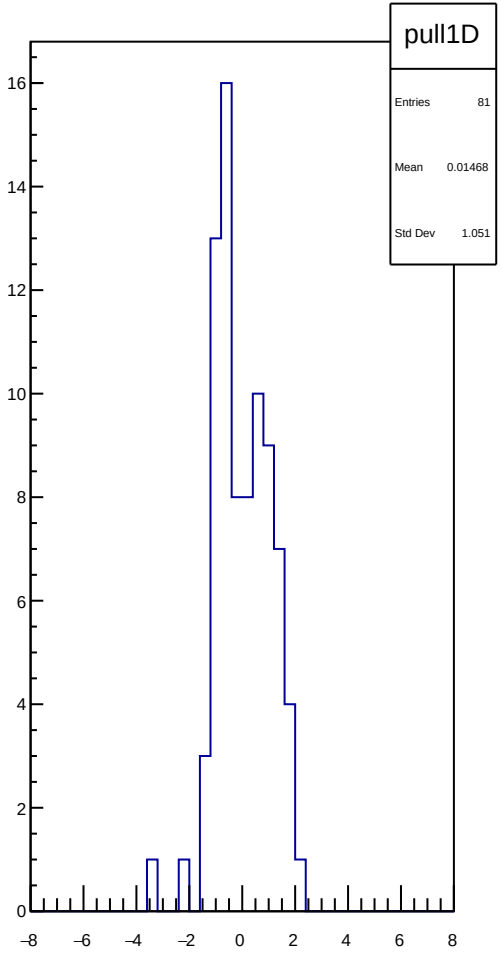

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 113 / 80
p0 −17.91 ± 0.07127
pull
Entries 81
Mean −1223
Std Dev 1283
pull1D
Entries 81
Mean 0.002726
Std Dev 1.181

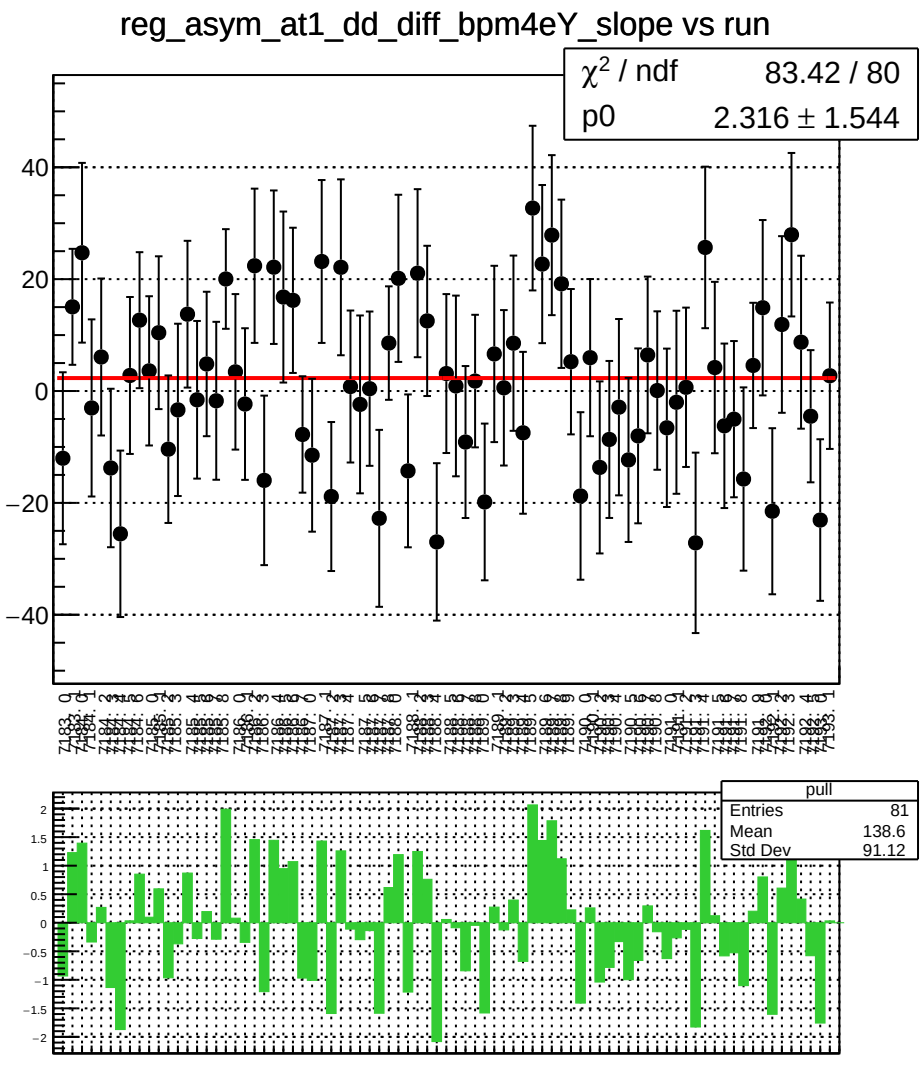

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 88.69 / 80
p0 20.1 ± 1.902
pull
Entries 81
Mean 346.1
Std Dev 294.1

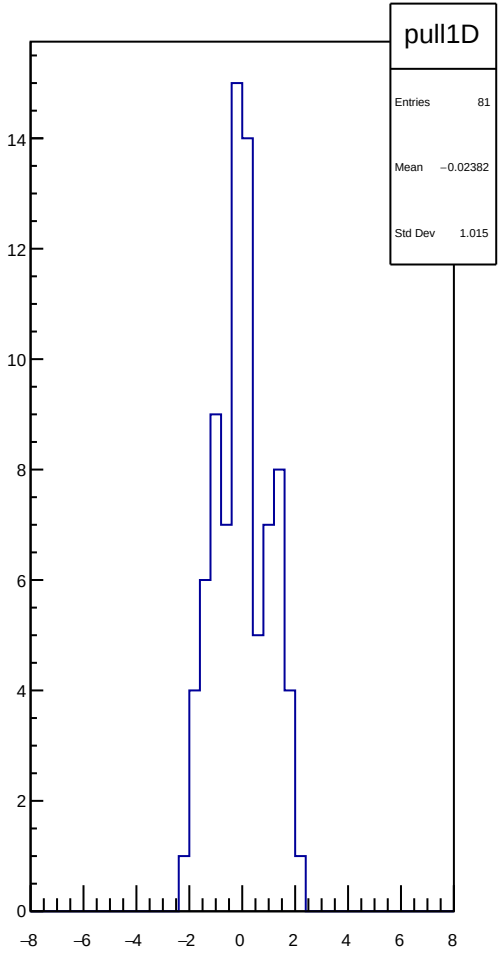

pull1D
Entries 81
Mean −0.01654
Std Dev 1.046

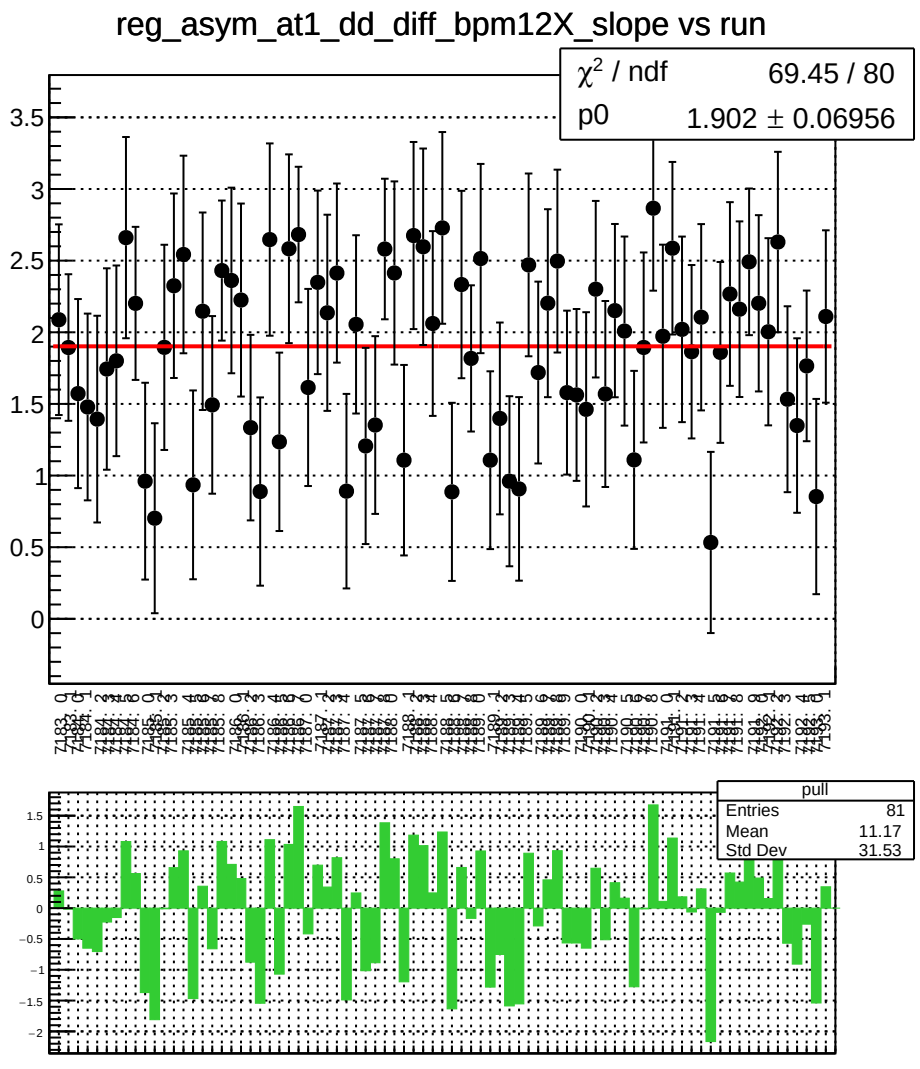

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.53 / 80
p0 −1.697 ± 1.424
pull
Entries 81
Mean 162.5
Std Dev 115.7
pull1D
Entries 81
Mean 0.01906
Std Dev 1.039

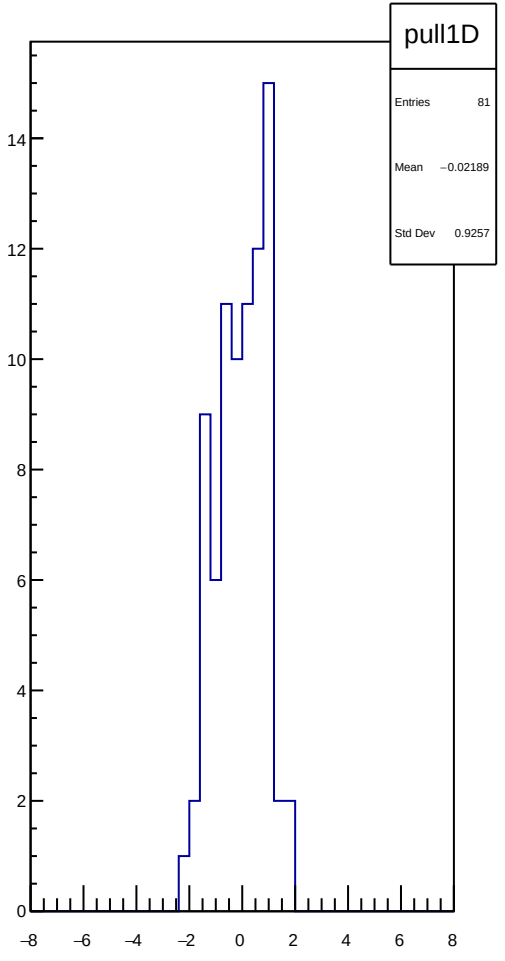

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.45 / 80
p0 26.85 ± 1.905
pull
Entries 81
Mean 370.2
Std Dev 317.7

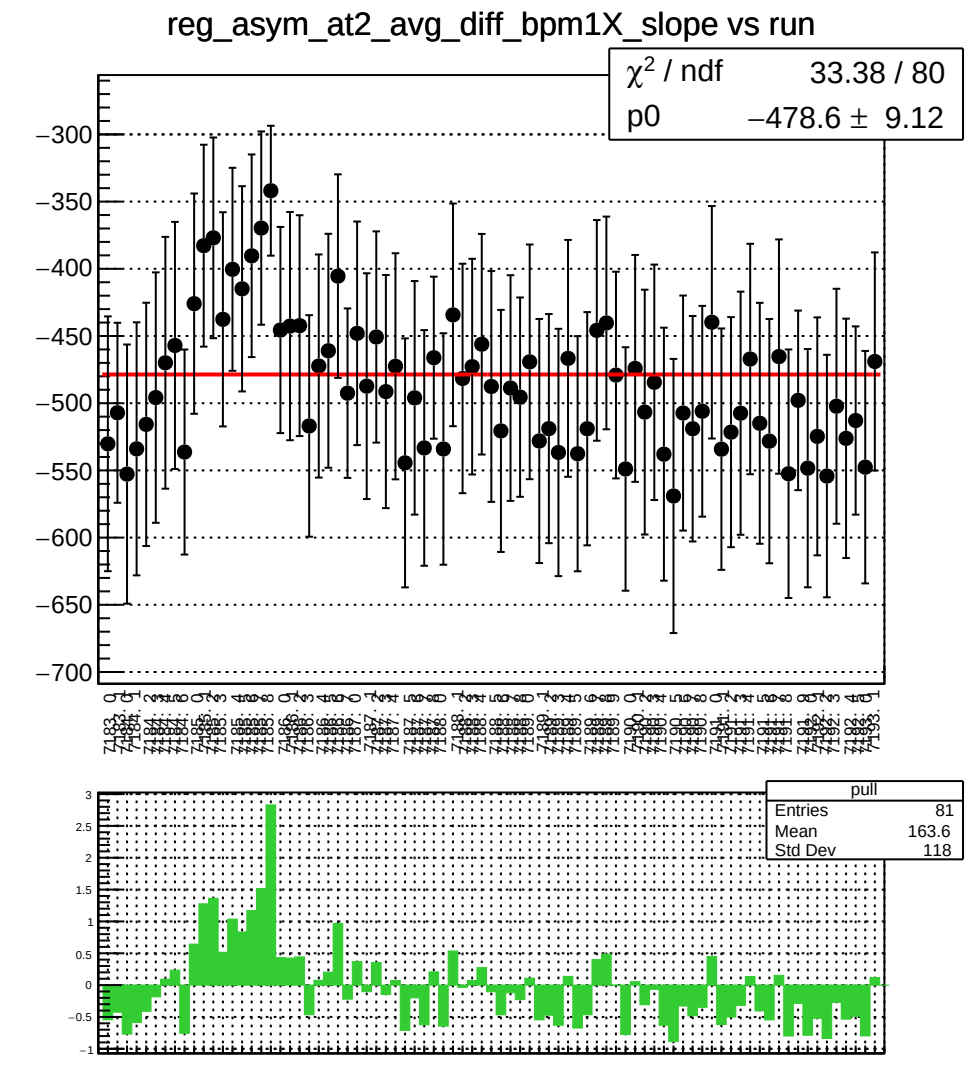

pull1D
Entries 81
Mean 0.01468
Std Dev 1.051

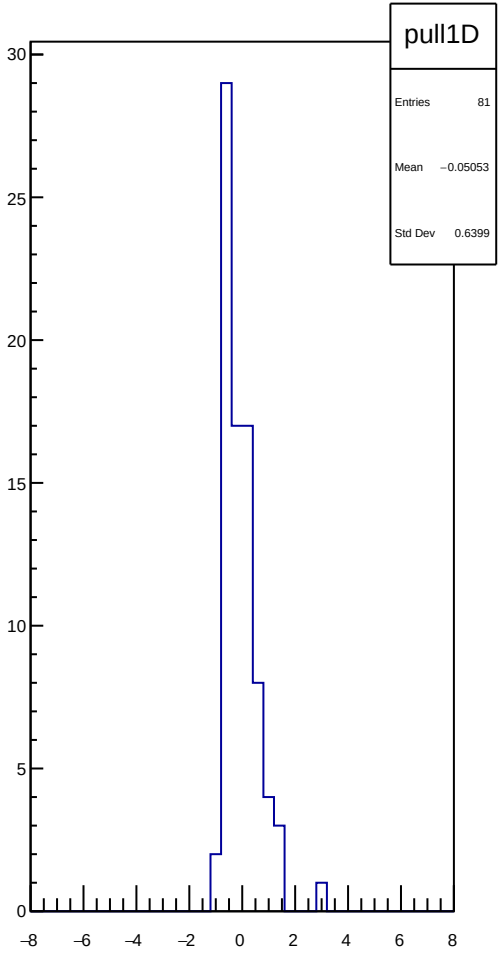

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.42 / 80
p0 2.316 ± 1.544
40
20
0
−20
−40
pull
Entries 81
Mean 138.6
Std Dev 91.12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

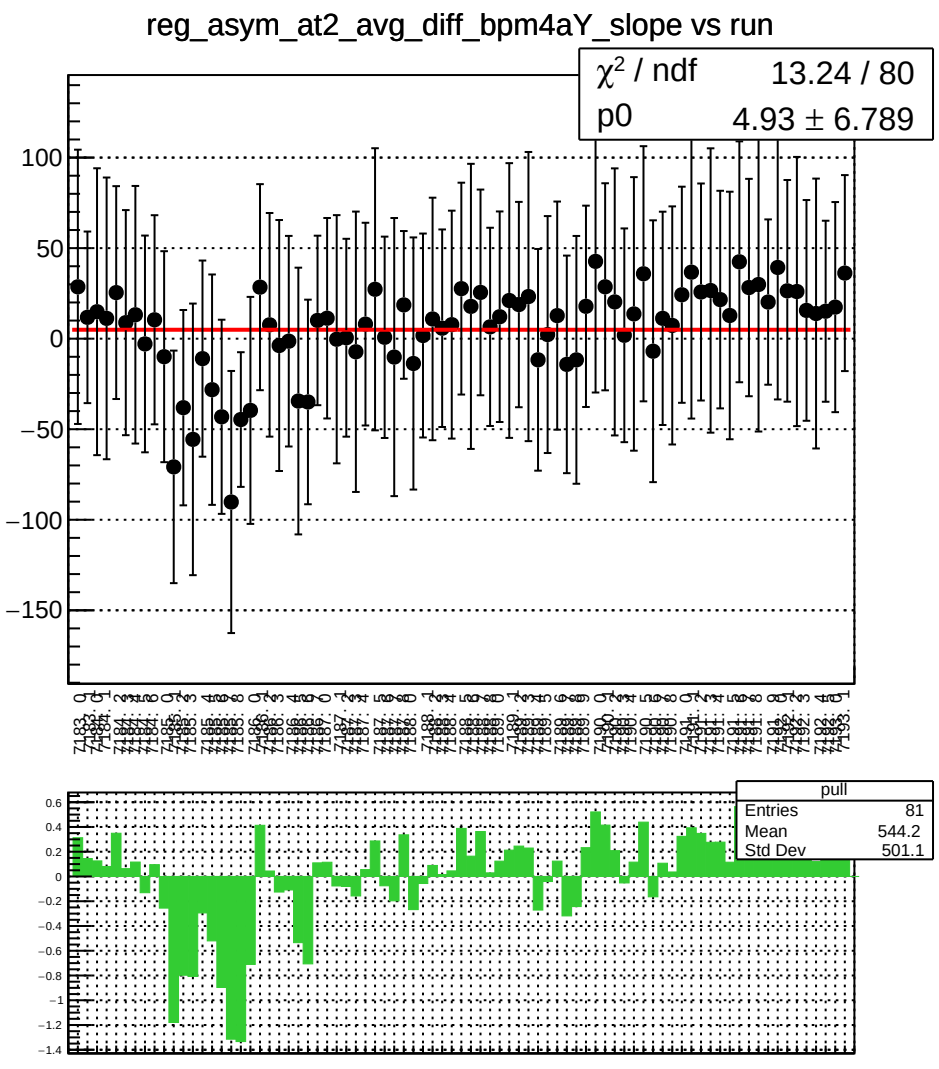

pull1D
Entries 81
Mean −0.02382
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

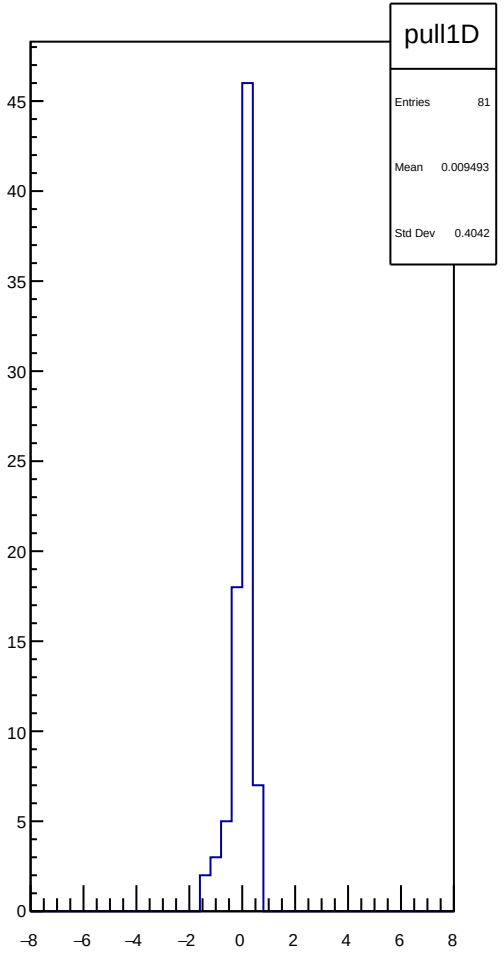

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 69.45 / 80
p0 1.902 ± 0.06956
pull
Entries 81
Mean 11.17
Std Dev 31.53

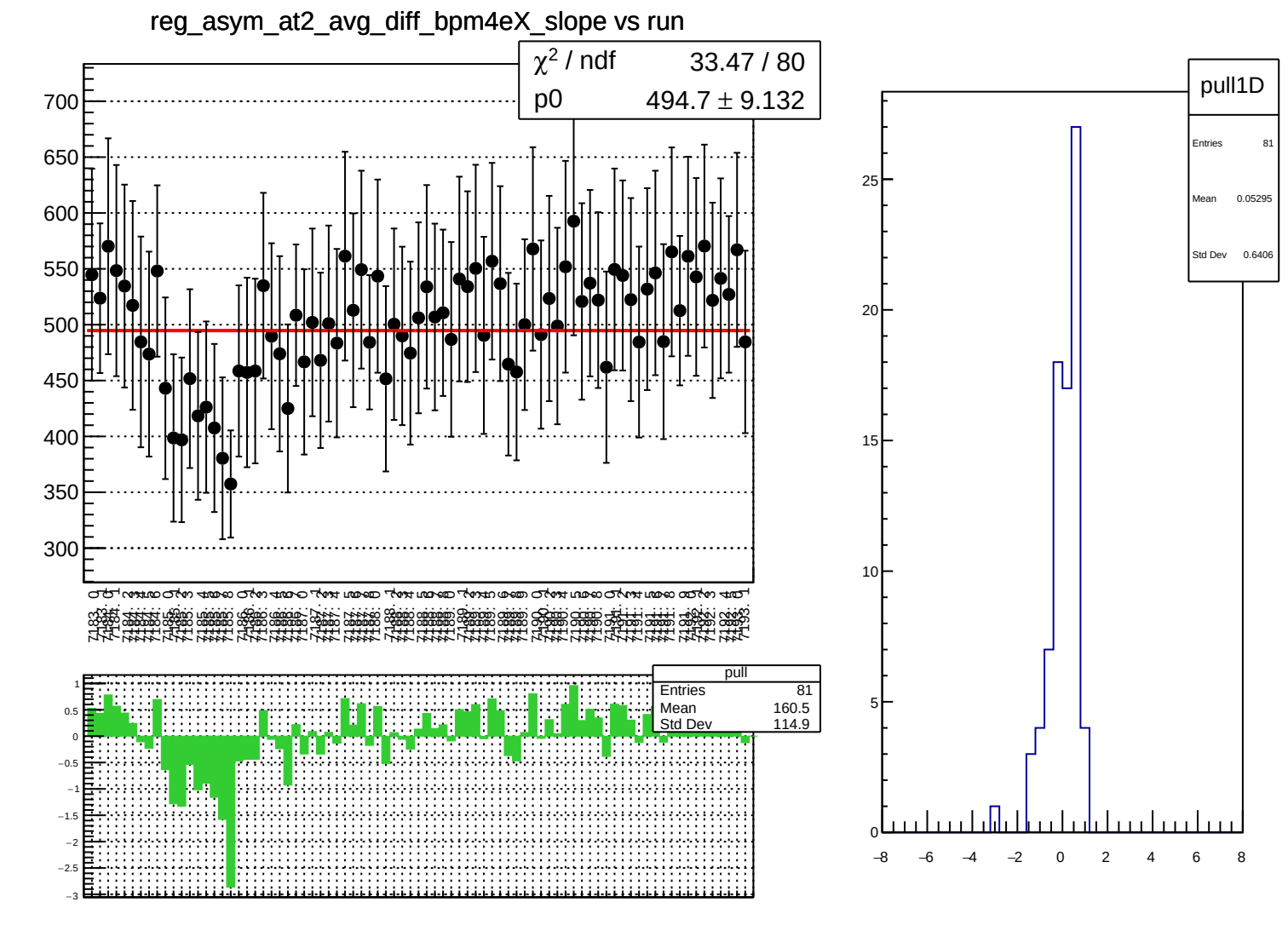

pull1D
Entries 81
Mean −0.02189
Std Dev 0.9257

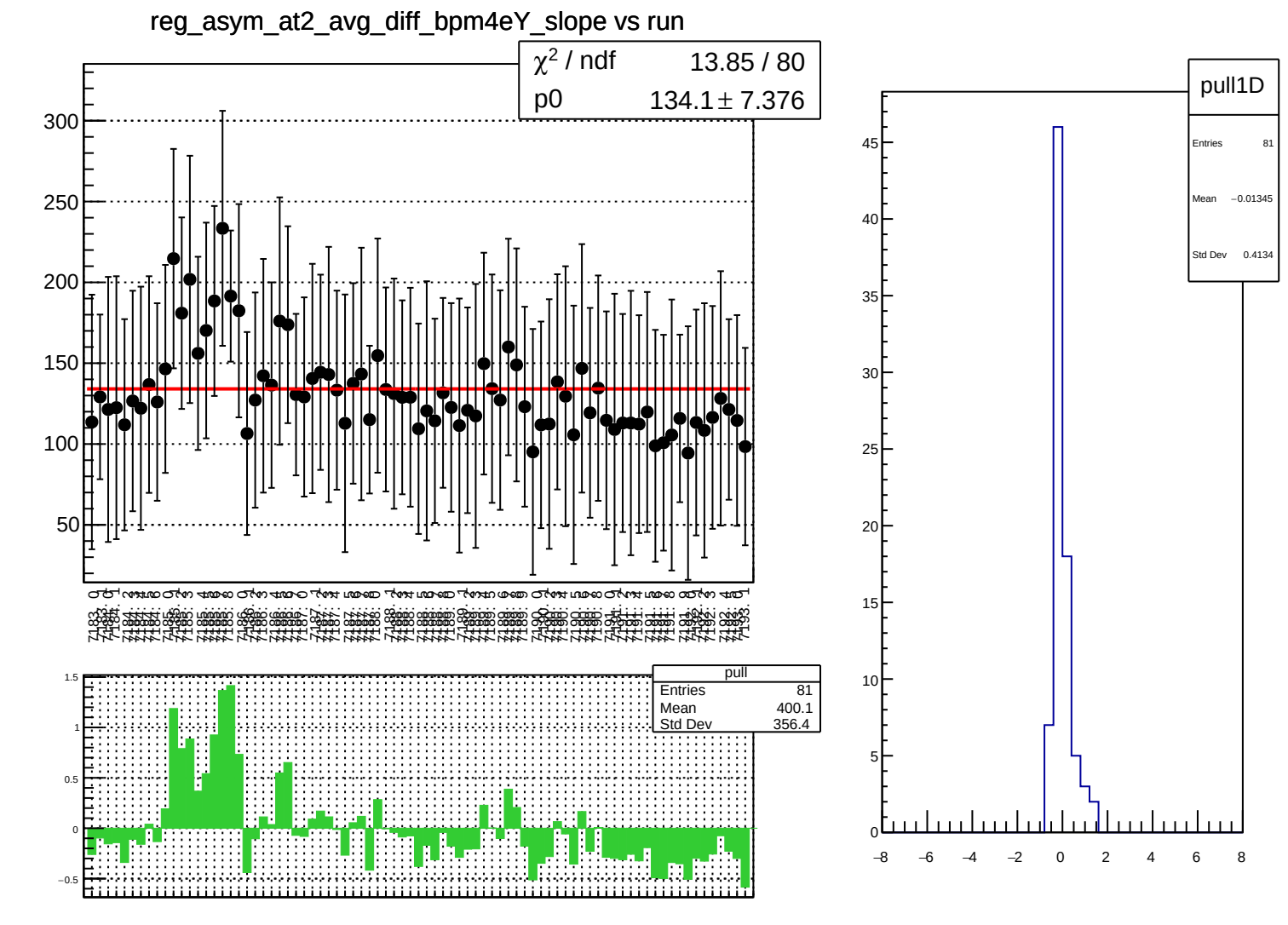

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 33.38 / 80
p0 −478.6 ± 9.12
pull
Entries 81
Mean 163.6
Std Dev 118

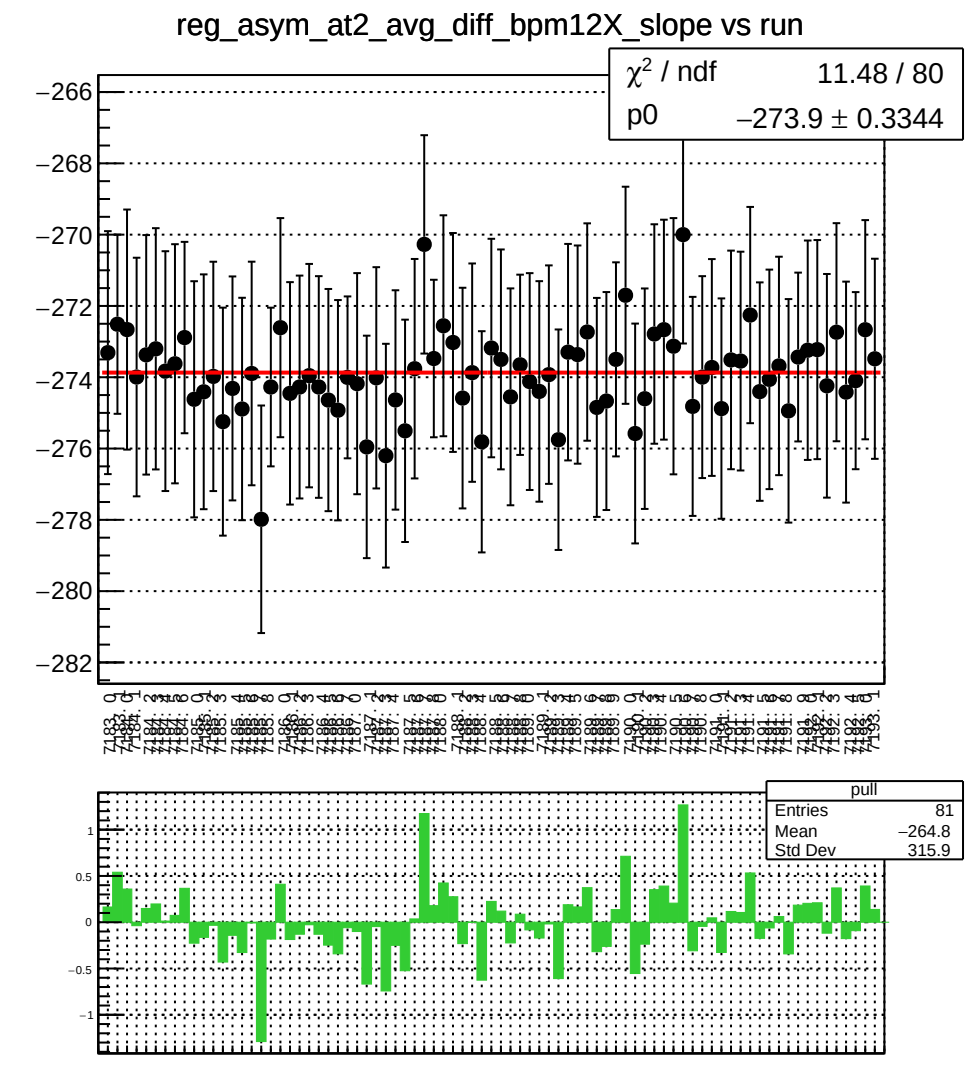

pull1D
Entries 81
Mean −0.05053
Std Dev 0.6399

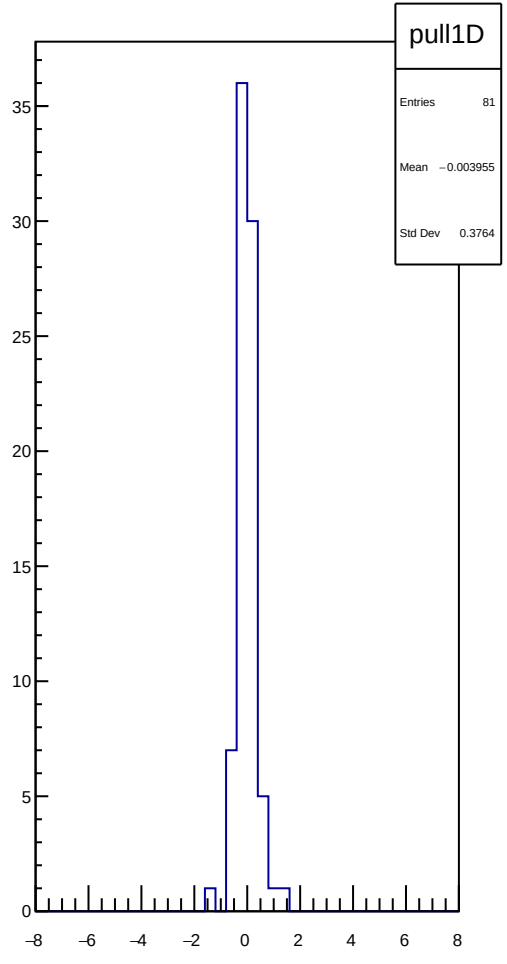

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.24 / 80
p0 4.93 ± 6.789
pull
Entries 81
Mean 544.2
Std Dev 501.1

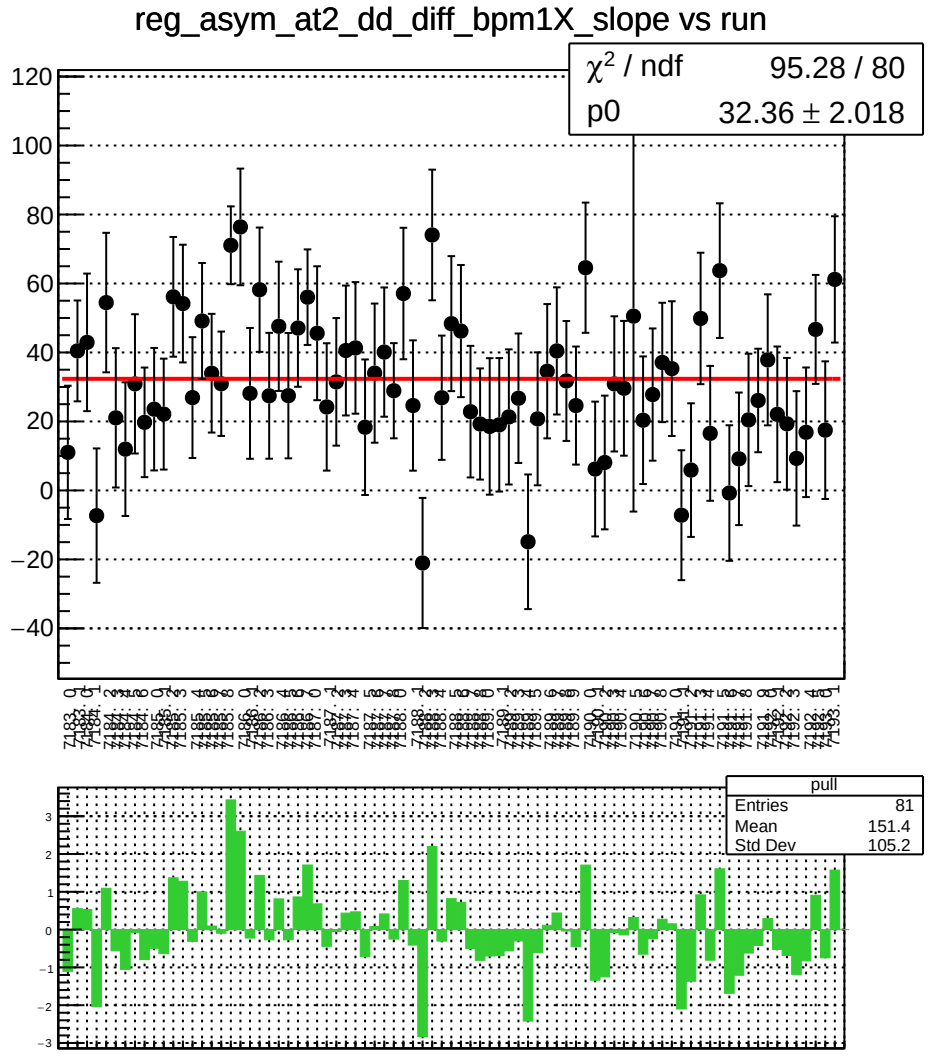

pull1D
Entries 81
Mean 0.009493
Std Dev 0.4042

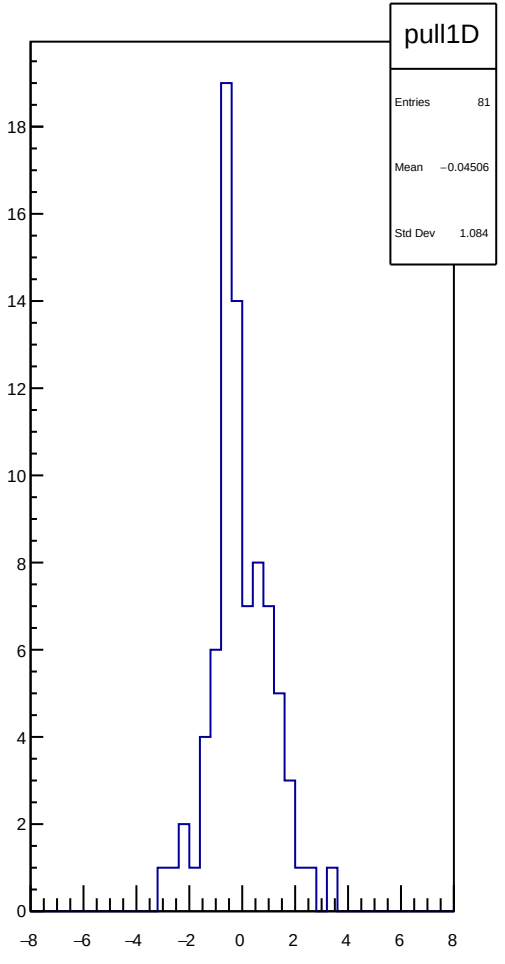

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.47 / 80
p0 494.7 ± 9.132
700
650
600
550
500
450
400
350
300
pull
Entries 81
Mean 160.5
Std Dev 114.9
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 81
Mean 0.05295
Std Dev 0.6406
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

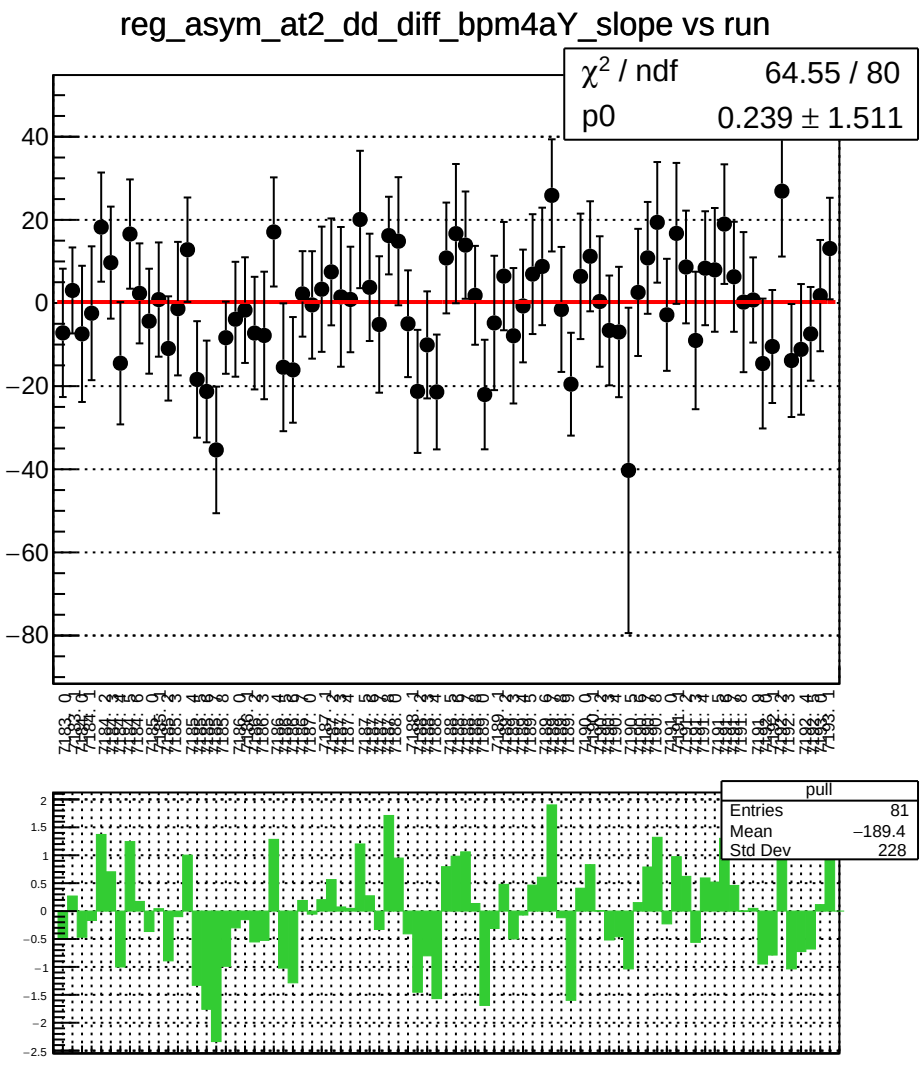

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.85 / 80
p0 134.1 ± 7.376
300
250
200
150
100
50
pull
Entries 81
Mean 400.1
Std Dev 356.4
1.5
1
0.5
0
−0.5
pull1D
Entries 81
Mean −0.01345
Std Dev 0.4134
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

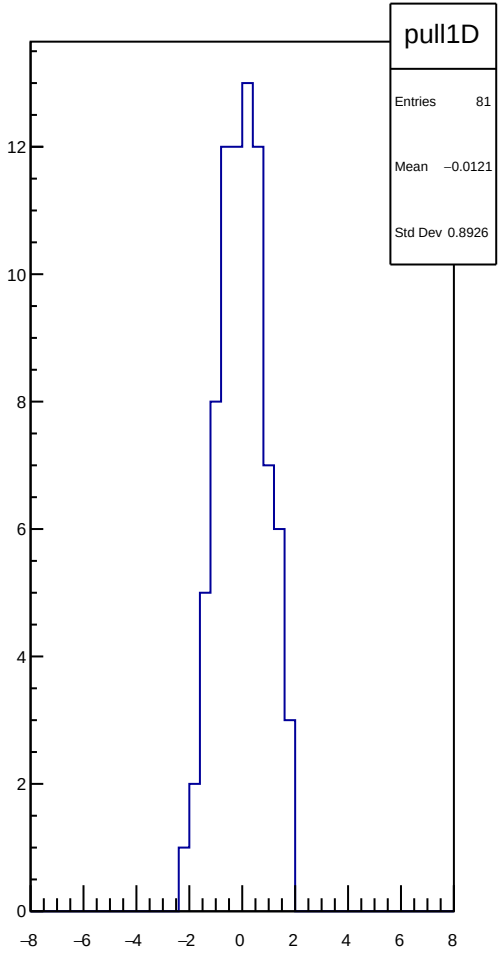

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 11.48 / 80
p0 −273.9 ± 0.3344
pull
Entries 81
Mean −264.8
Std Dev 315.9

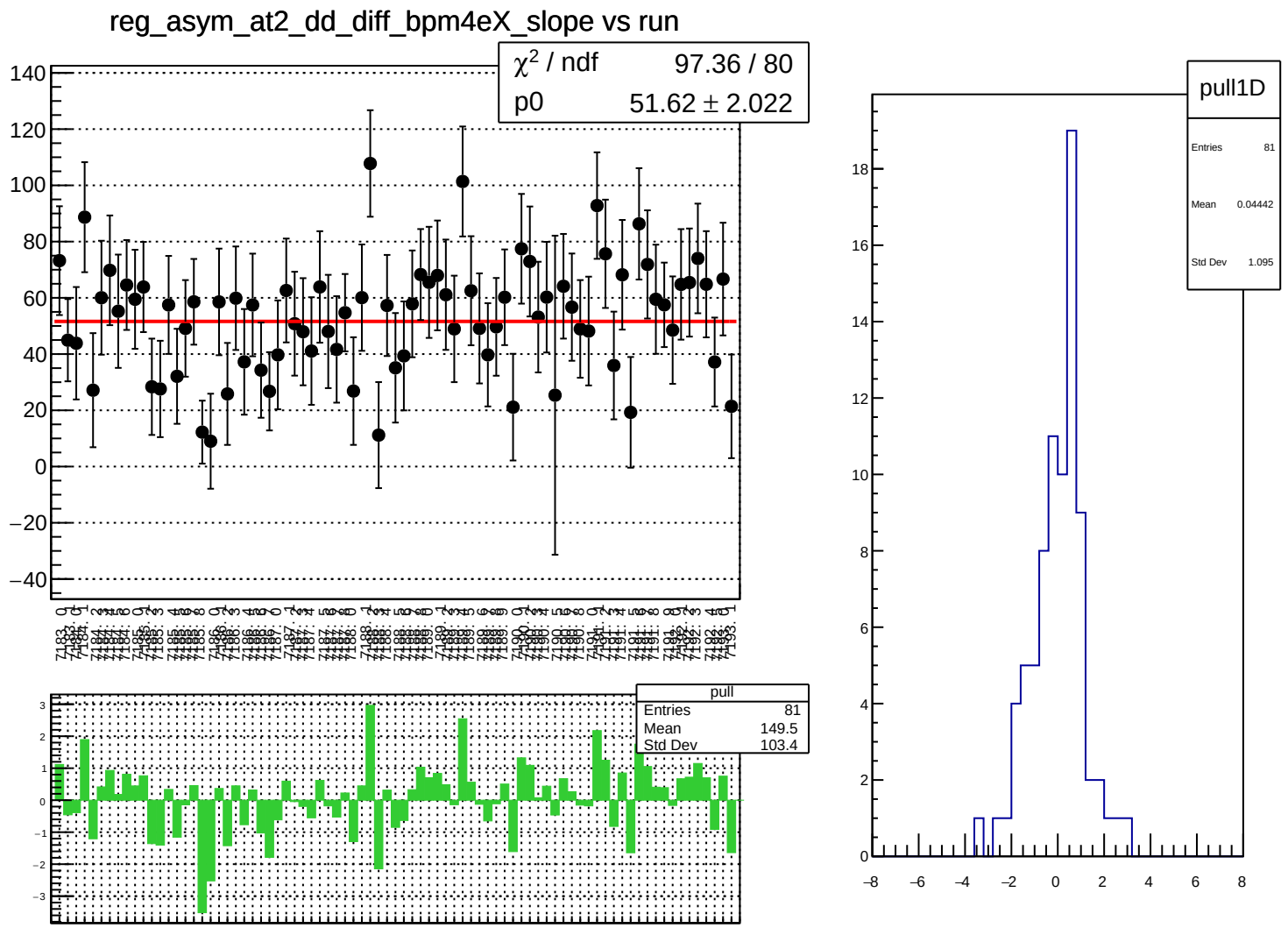

pull1D
Entries 81
Mean −0.003955
Std Dev 0.3764

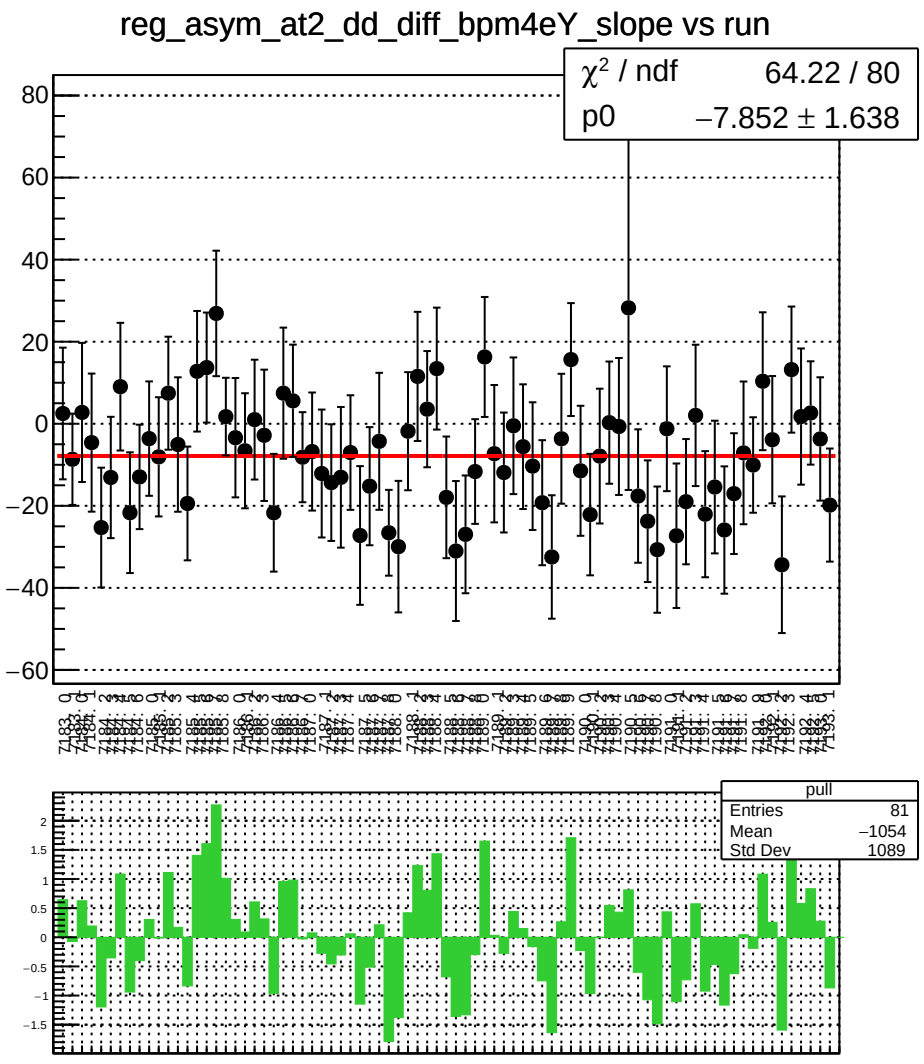

reg_asym_at2_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 95.28 / 80
p0 32.36 ± 2.018
pull
Entries 81
Mean 151.4
Std Dev 105.2

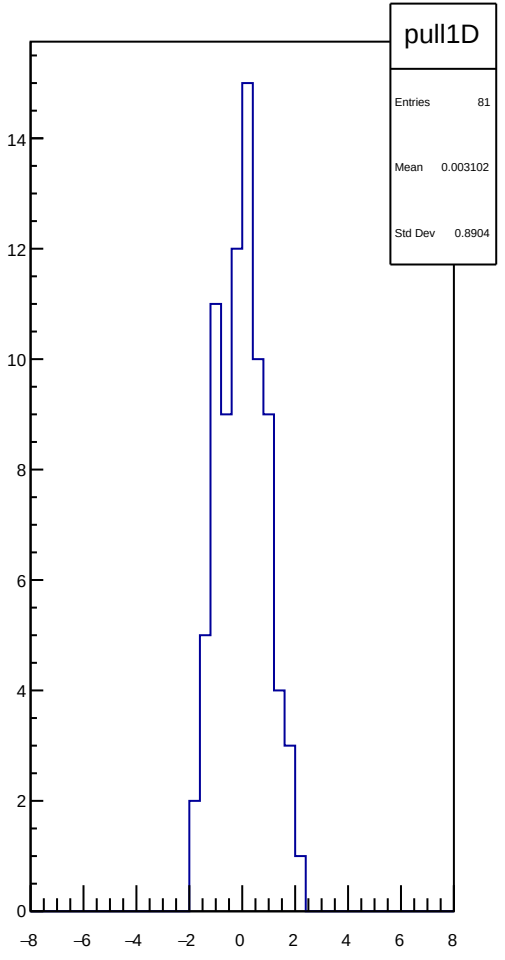

pull1D
Entries 81
Mean −0.04506
Std Dev 1.084

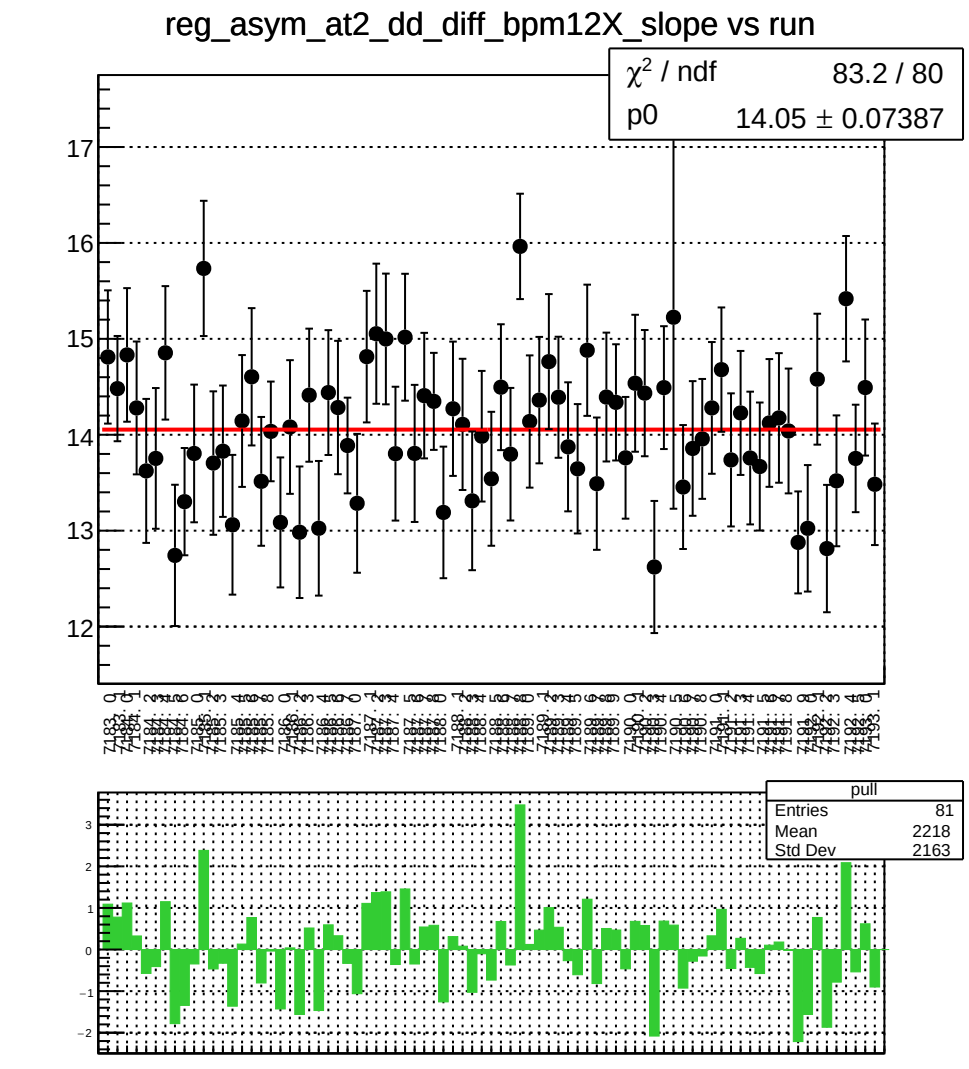

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.55 / 80
p0 0.239 ± 1.511
pull
Entries 81
Mean −189.4
Std Dev 228

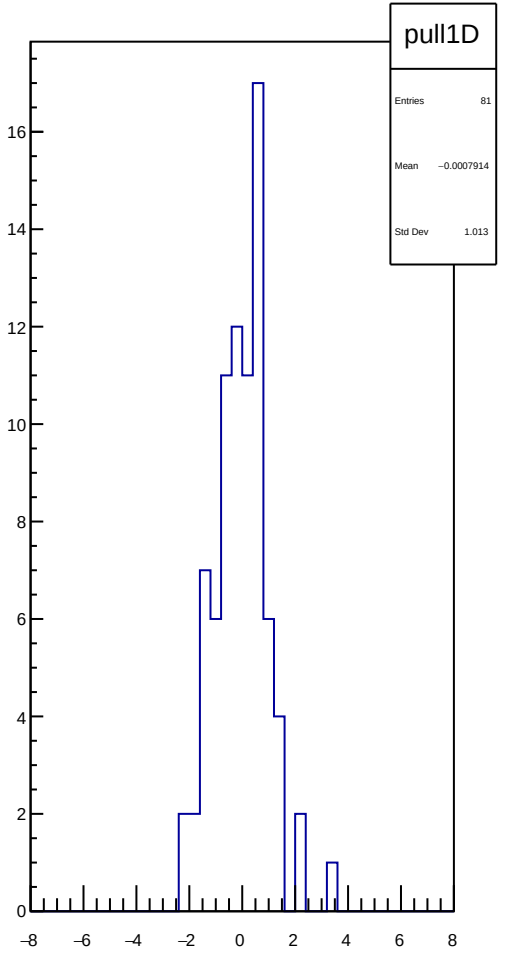

pull1D
Entries 81
Mean −0.0121
Std Dev 0.8926

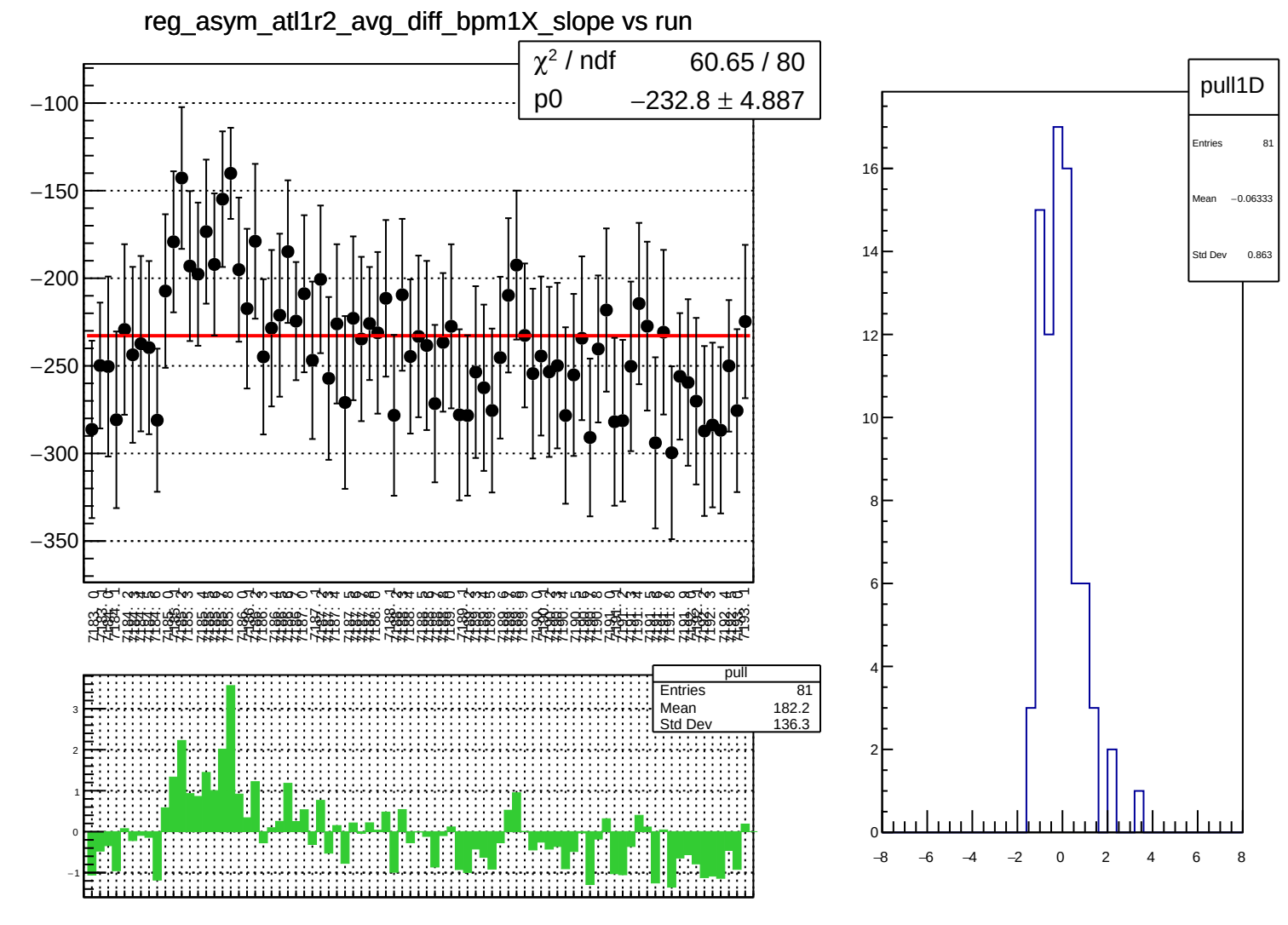

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 97.36 / 80
p0 51.62 ± 2.022
pull
Entries 81
Mean 149.5
Std Dev 103.4
pull1D
Entries 81
Mean 0.04442
Std Dev 1.095

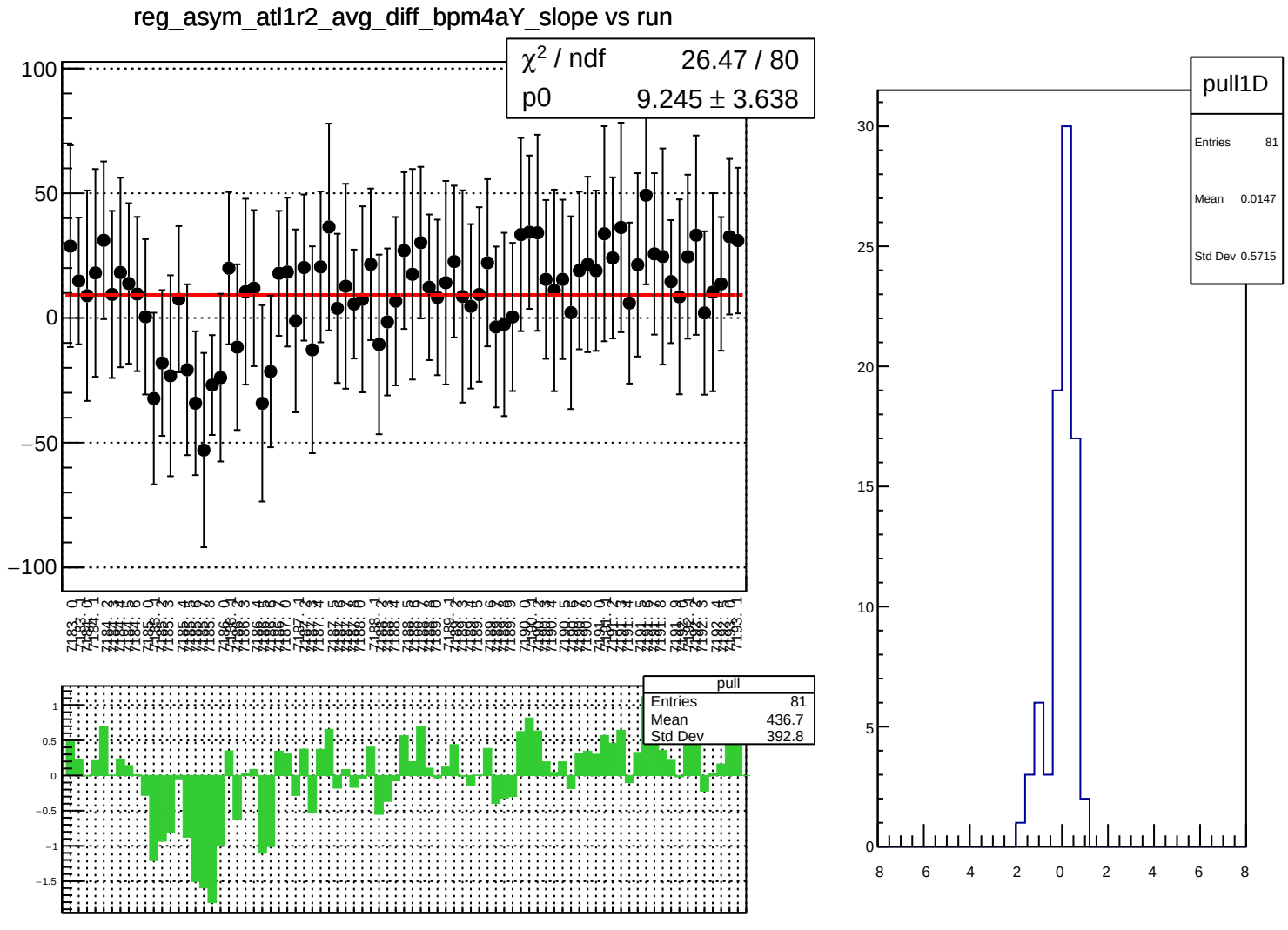

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.22 / 80
p0 −7.852 ± 1.638
pull
Entries 81
Mean −1054
Std Dev 1089

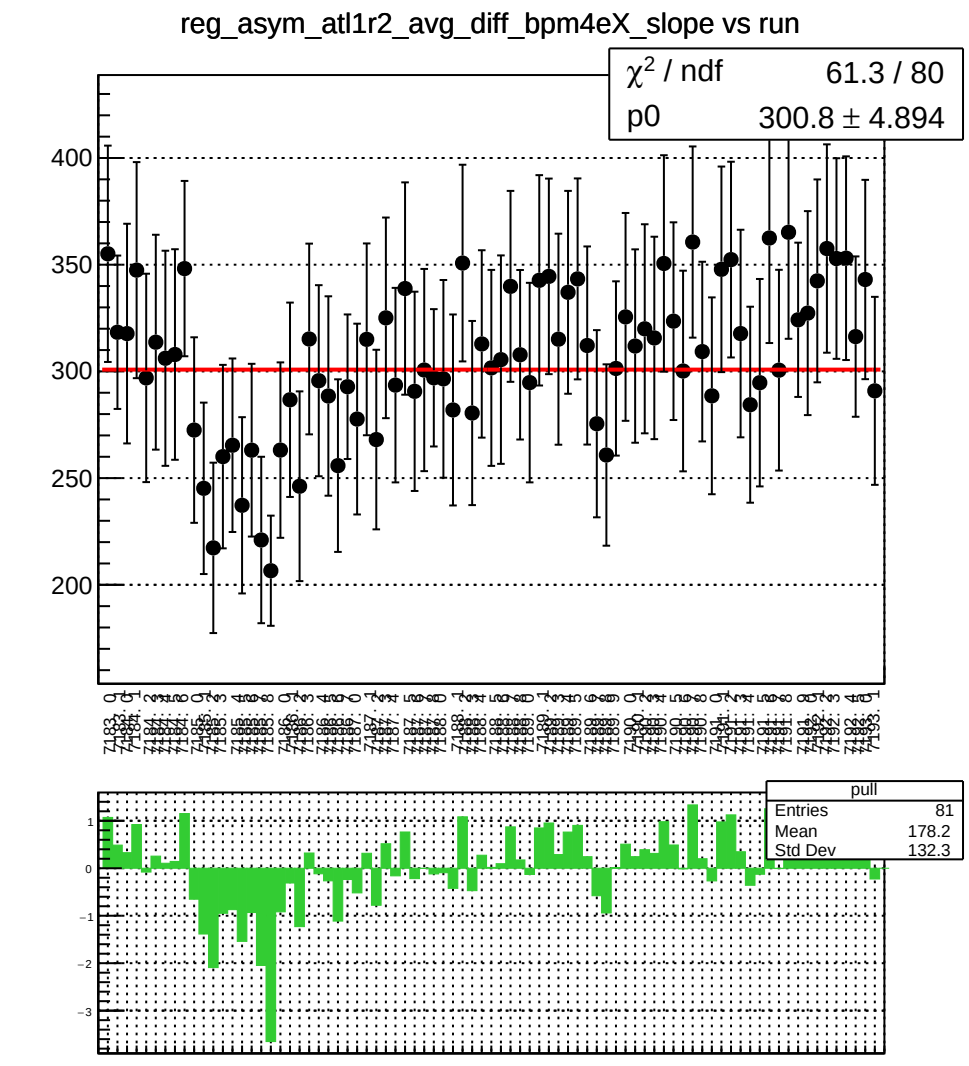

pull1D
Entries 81
Mean 0.003102
Std Dev 0.8904

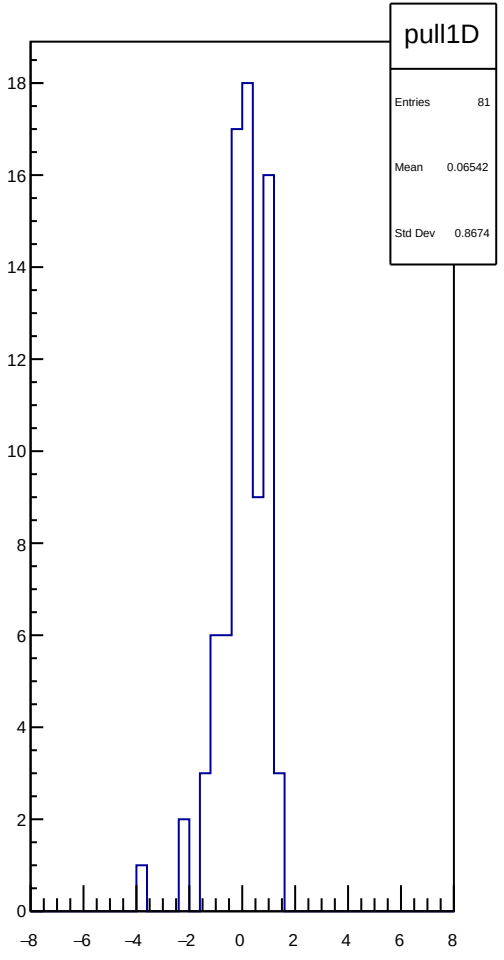

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 83.2 / 80
p0 14.05 ± 0.07387
pull
Entries 81
Mean 2218
Std Dev 2163

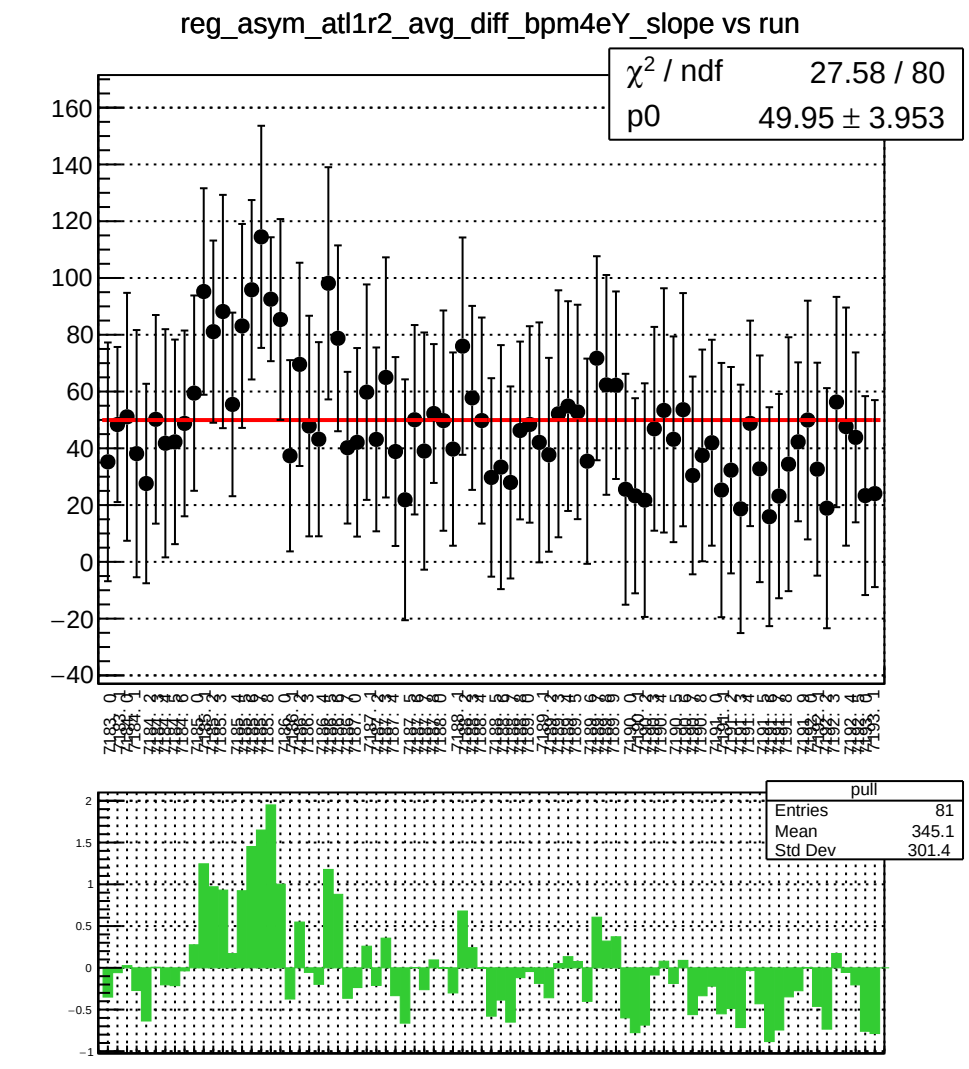

pull1D
Entries 81
Mean −0.0007914
Std Dev 1.013

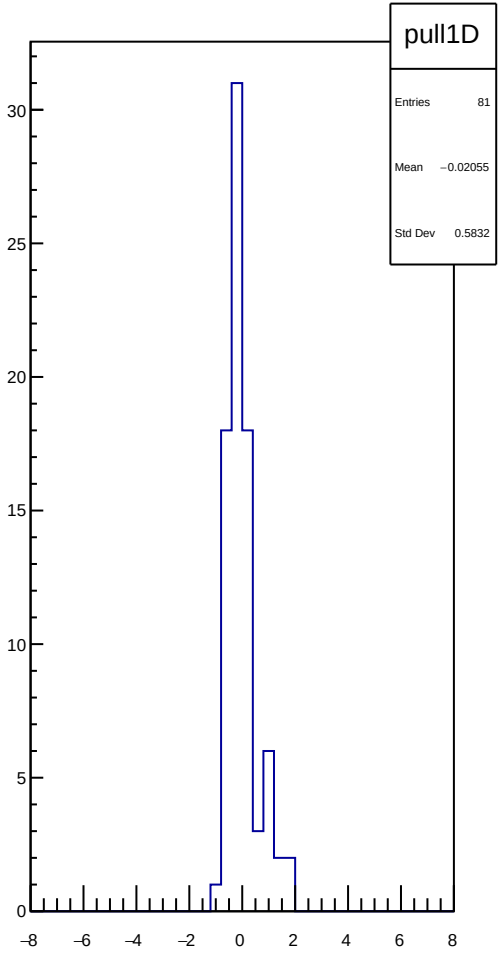

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 60.65 / 80
p0 −232.8 ± 4.887
−100
−150
−200
−250
−300
−350
pull
Entries 81
Mean 182.2
Std Dev 136.3
3
2
1
0
−1
pull1D
Entries 81
Mean −0.06333
Std Dev 0.863
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

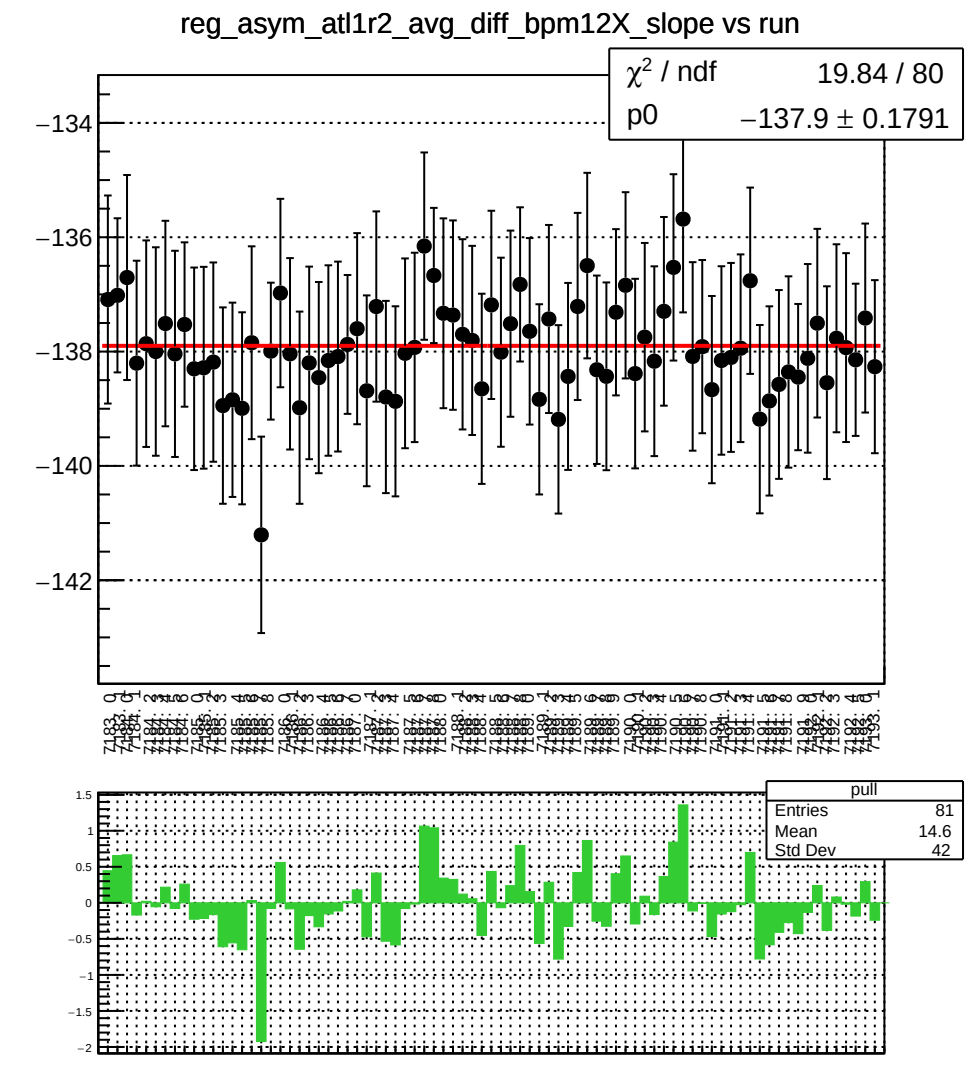

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.47 / 80
p0 9.245 ± 3.638
100
50
0
−50
−100
pull
Entries 81
Mean 436.7
Std Dev 392.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean 0.0147
Std Dev 0.5715
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

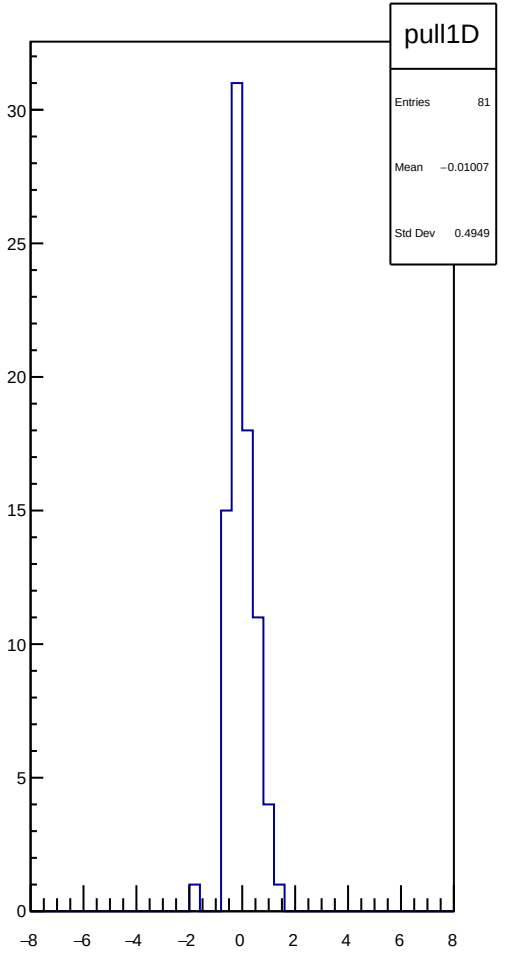

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.3 / 80
p0 300.8 ± 4.894
400
350
300
250
200
pull
Entries 81
Mean 178.2
Std Dev 132.3
1
0
−1
−2
−3

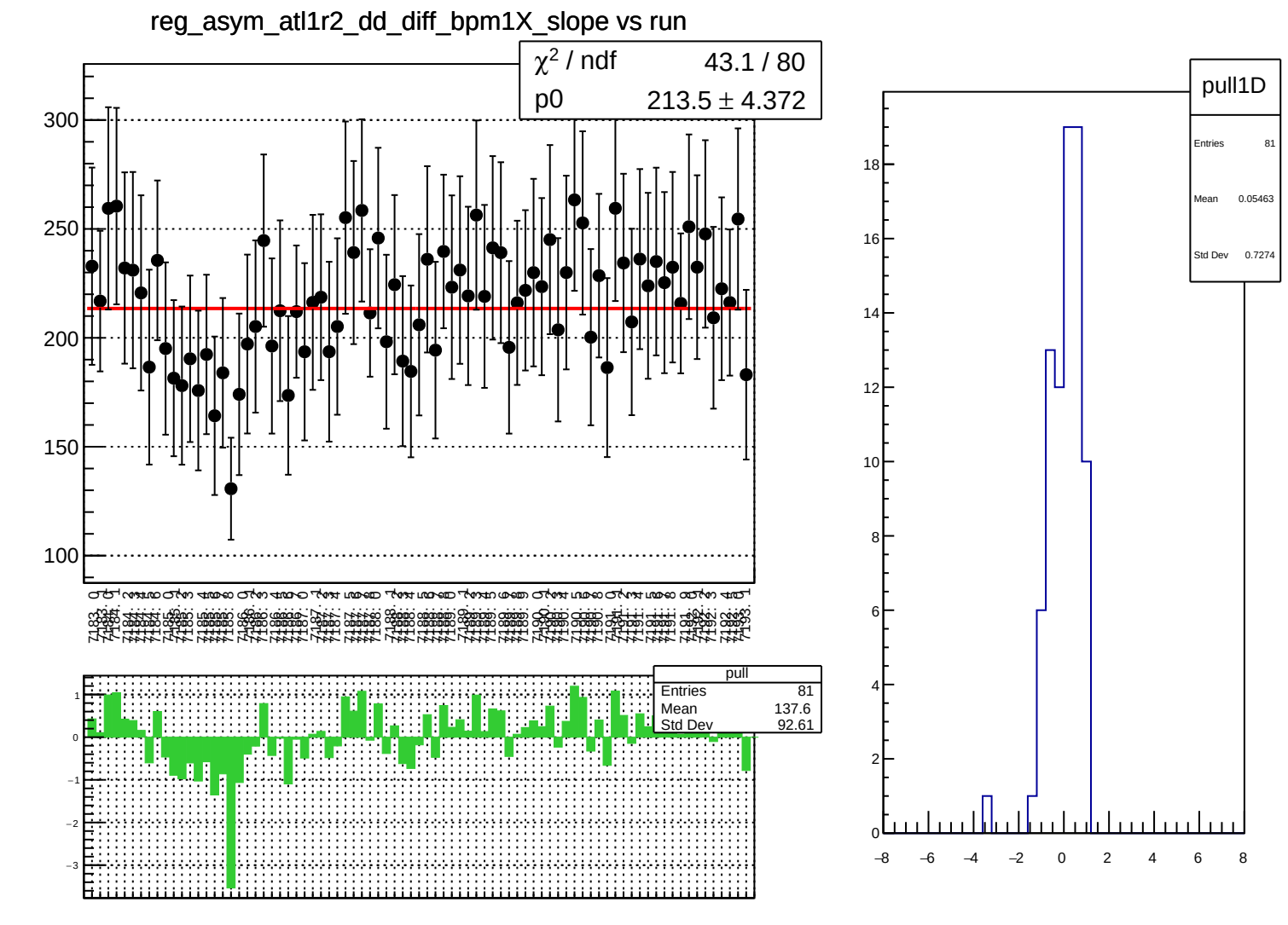

pull1D
Entries 81
Mean 0.06542
Std Dev 0.8674
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

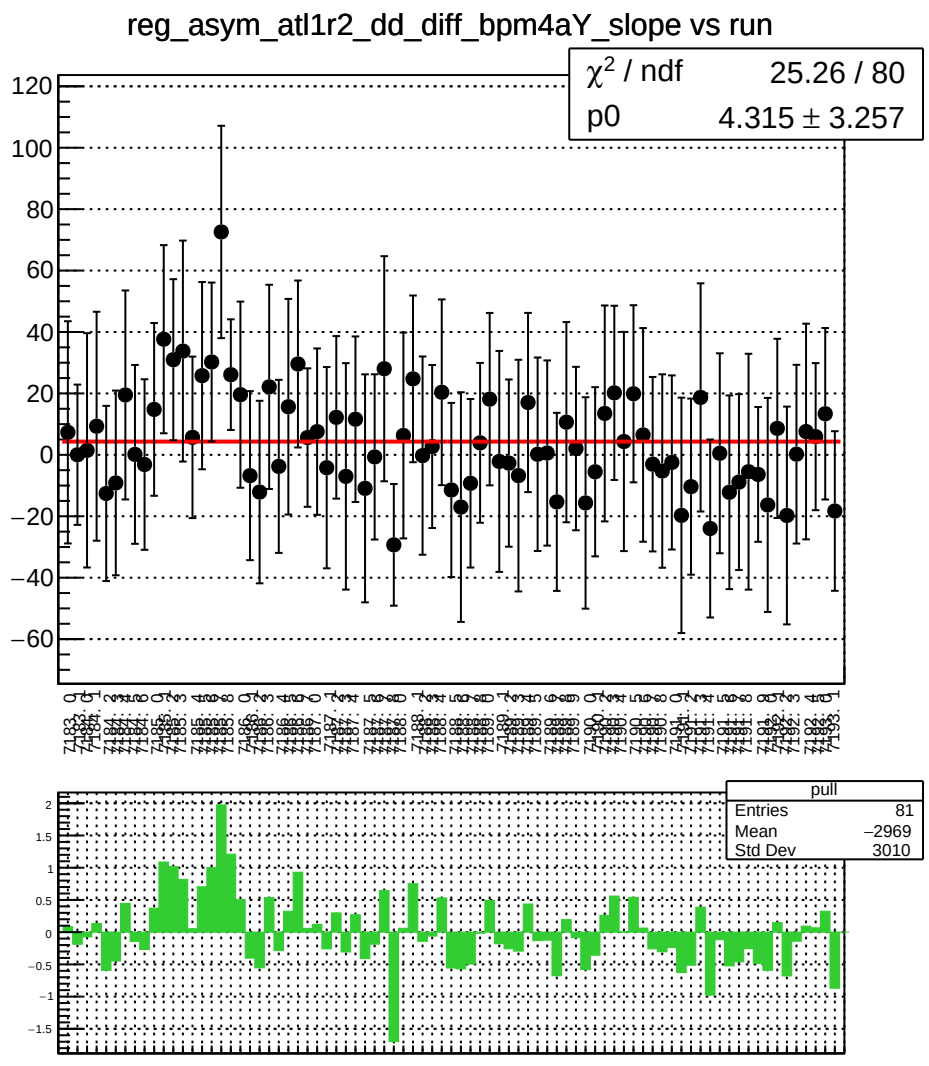

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.58 / 80
p0 49.95 ± 3.953
pull
Entries 81
Mean 345.1
Std Dev 301.4

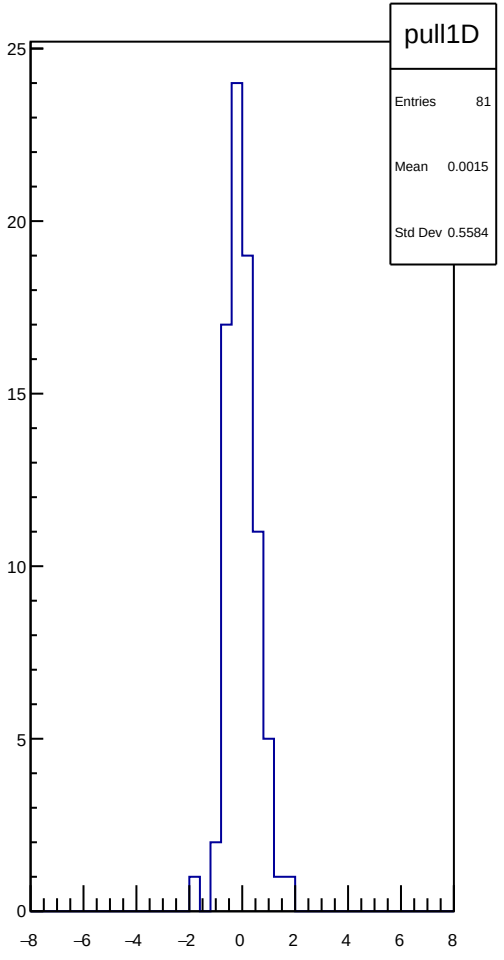

pull1D
Entries 81
Mean −0.02055
Std Dev 0.5832

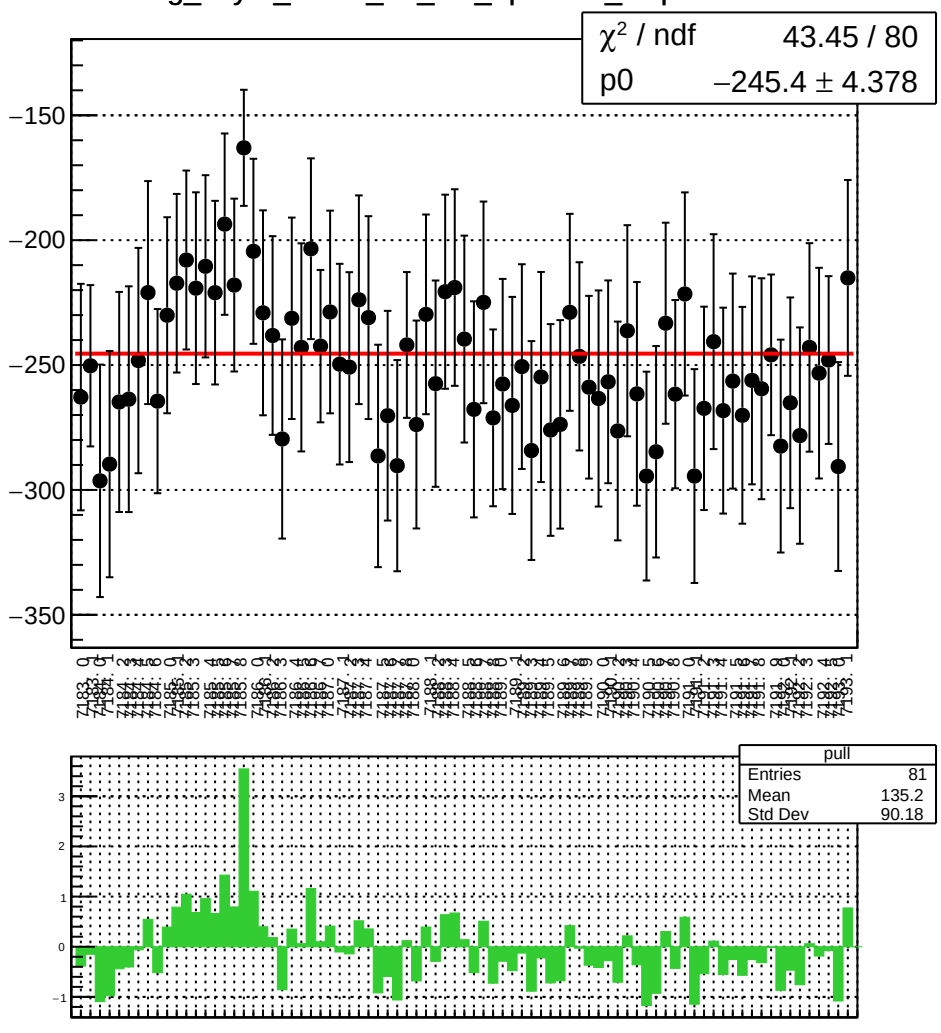

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 19.84 / 80
p0 −137.9 ± 0.1791
−134
−136
−138
−140
−142
pull
Entries 81
Mean 14.6
Std Dev 42
1.5
1
0.5
0
−0.5
−1
−1.5
−2

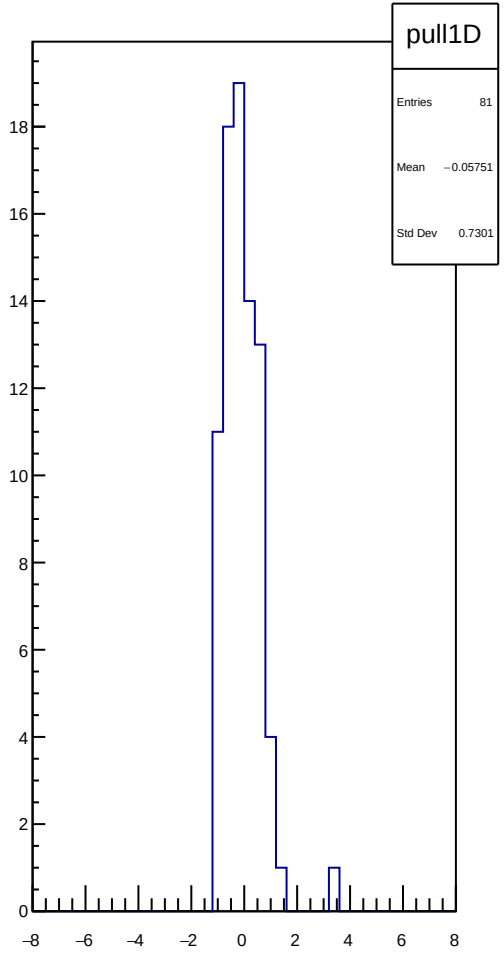

pull1D
Entries 81
Mean −0.01007
Std Dev 0.4949
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

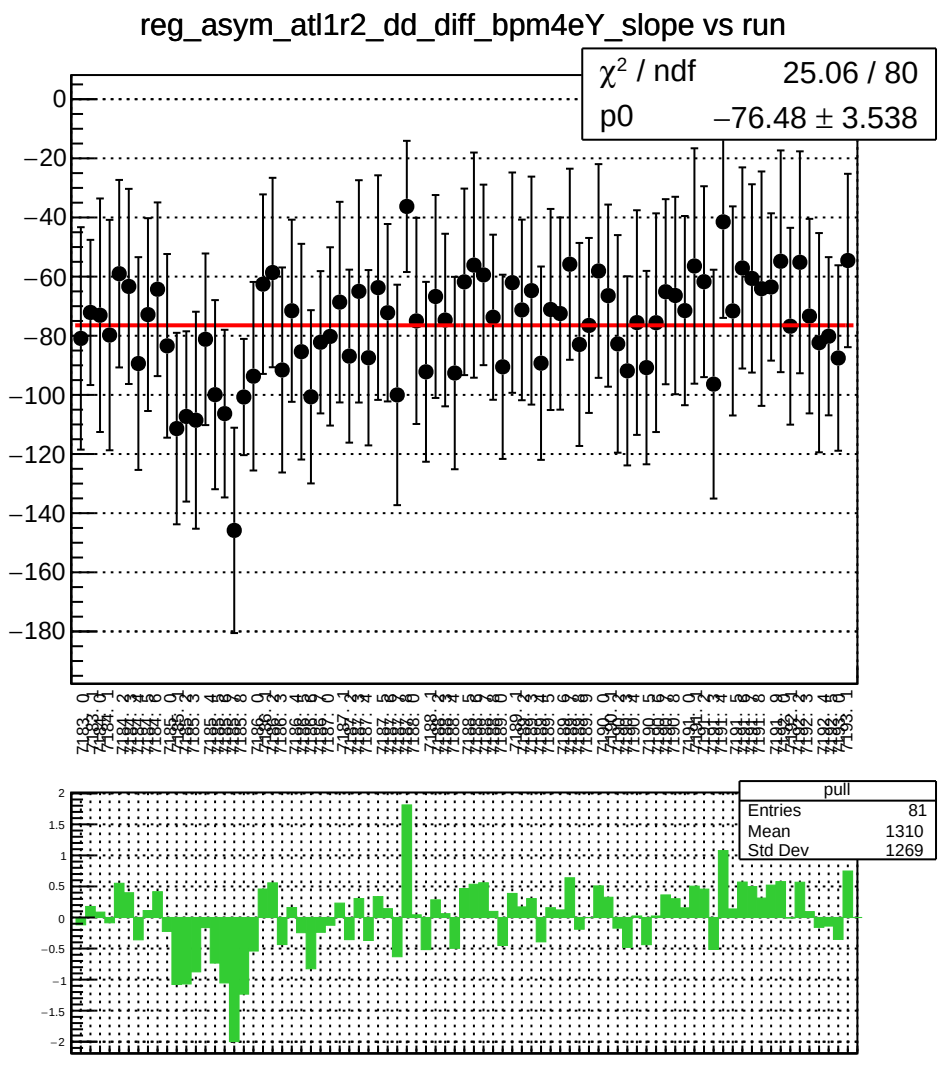

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 43.1 / 80
p0 213.5 ± 4.372
300
250
200
150
100
pull
Entries 81
Mean 137.6
Std Dev 92.61
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.05463
Std Dev 0.7274
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

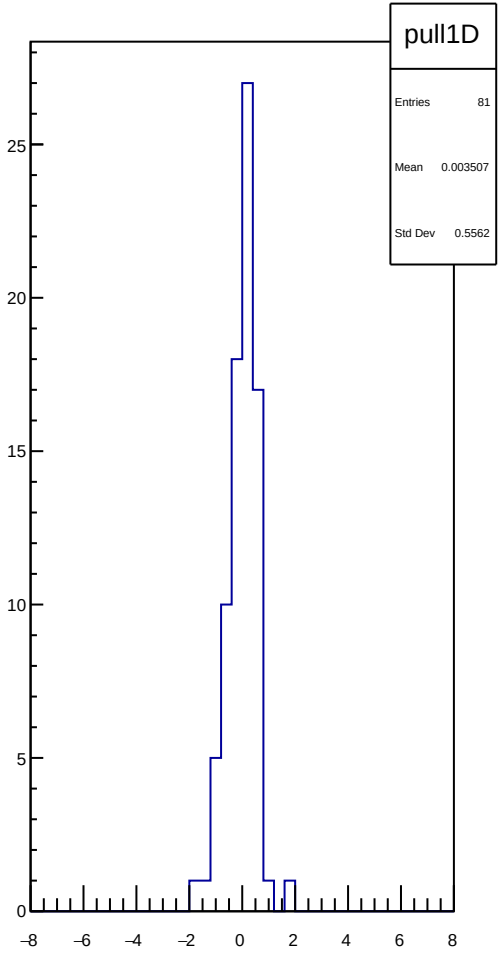

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.26 / 80
p0 4.315 ± 3.257
pull
Entries 81
Mean −2969
Std Dev 3010

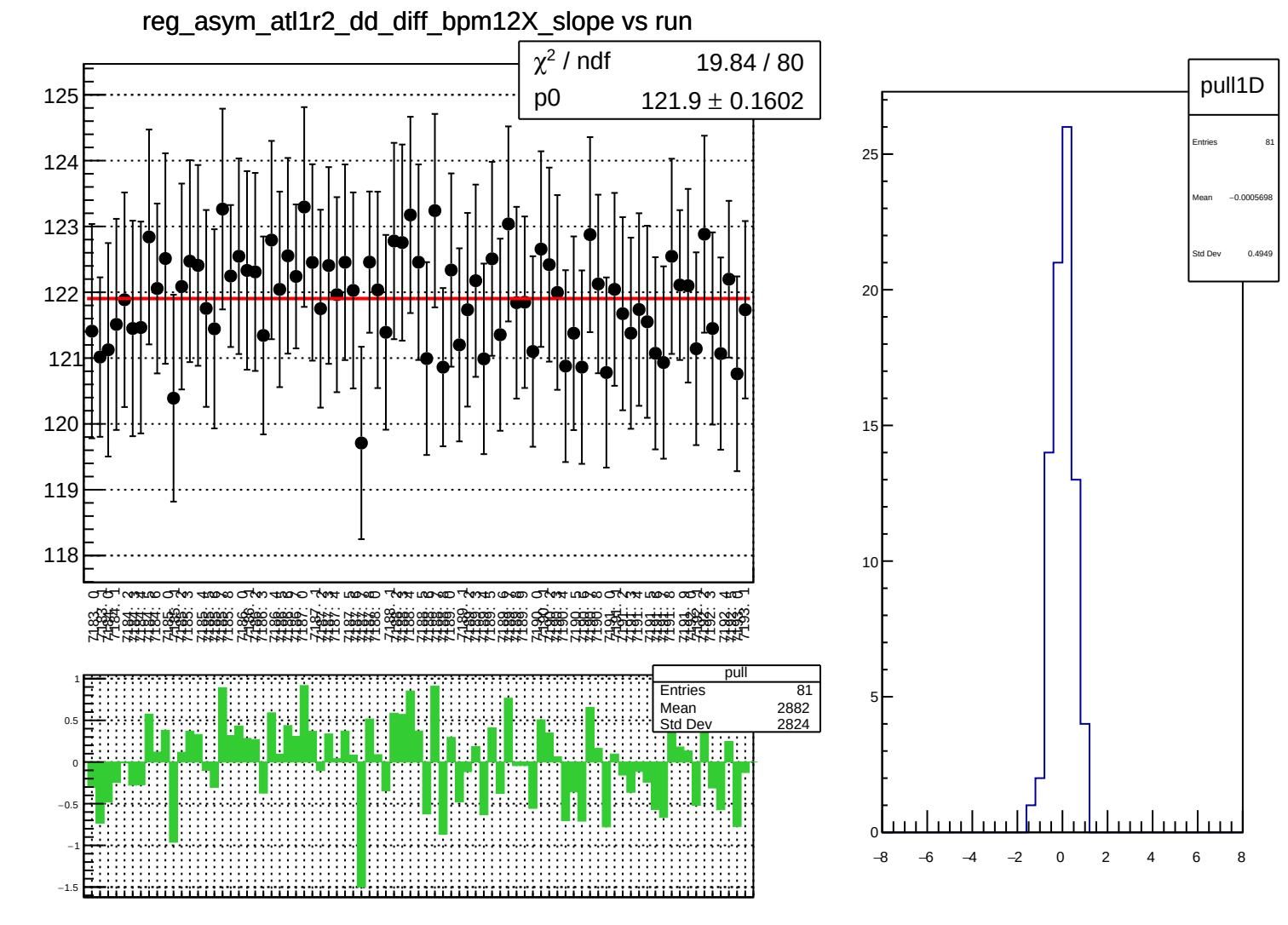

pull1D
Entries 81
Mean 0.0015
Std Dev 0.5584

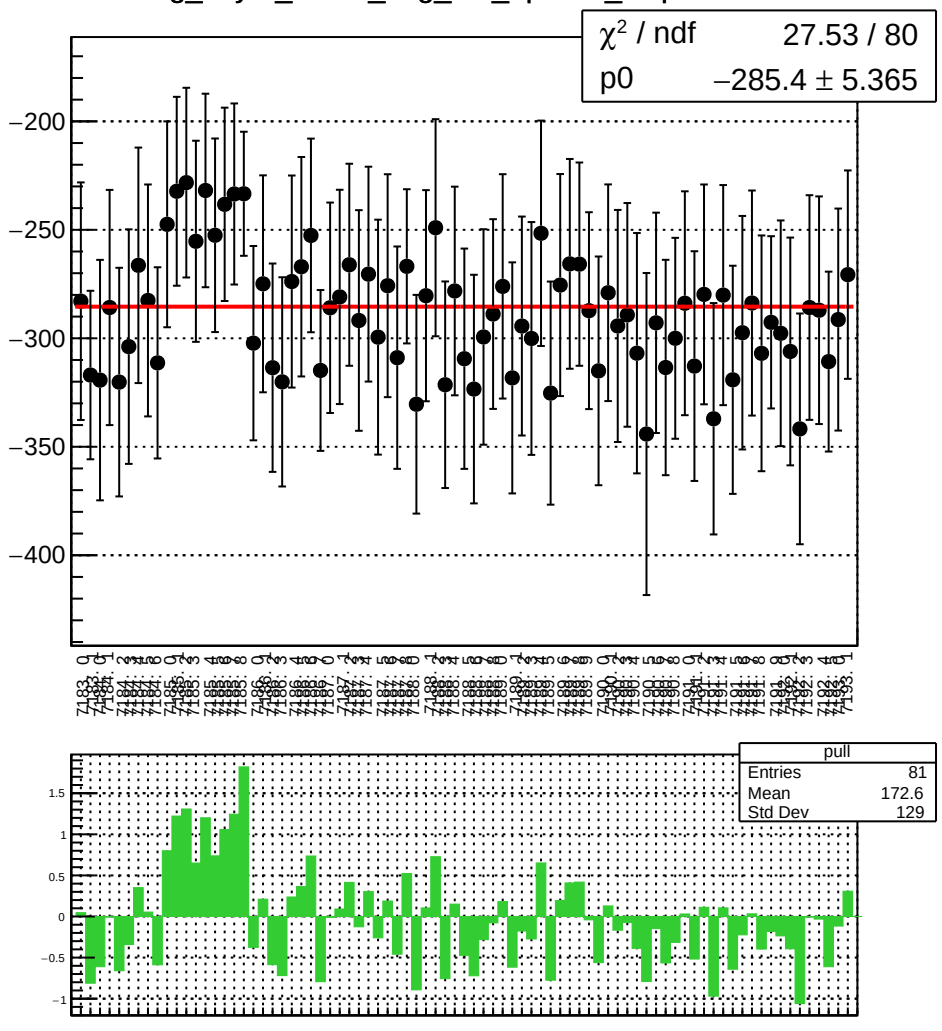

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.45 / 80
p0 −245.4 ± 4.378
−150
−200
−250
−300
−350
pull
Entries 81
Mean 135.2
Std Dev 90.18
3
2
1
0
−1

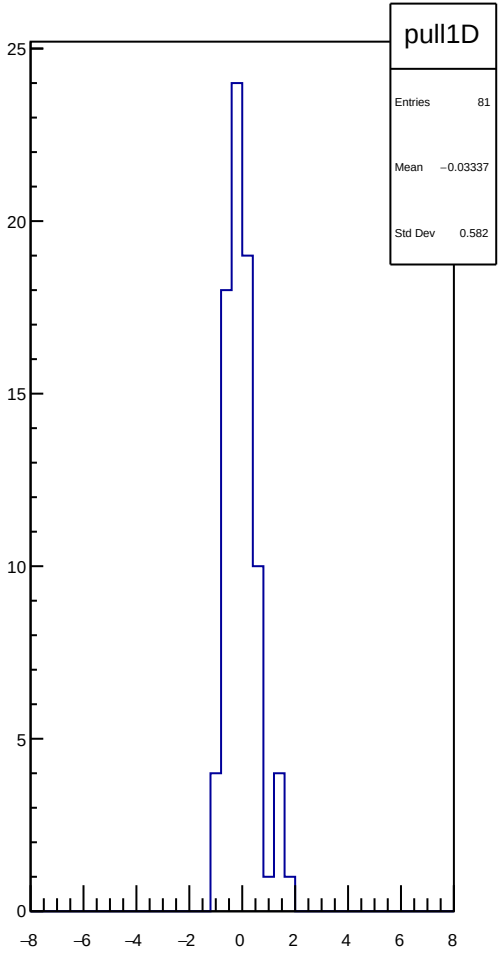

pull1D
Entries 81
Mean −0.05751
Std Dev 0.7301
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

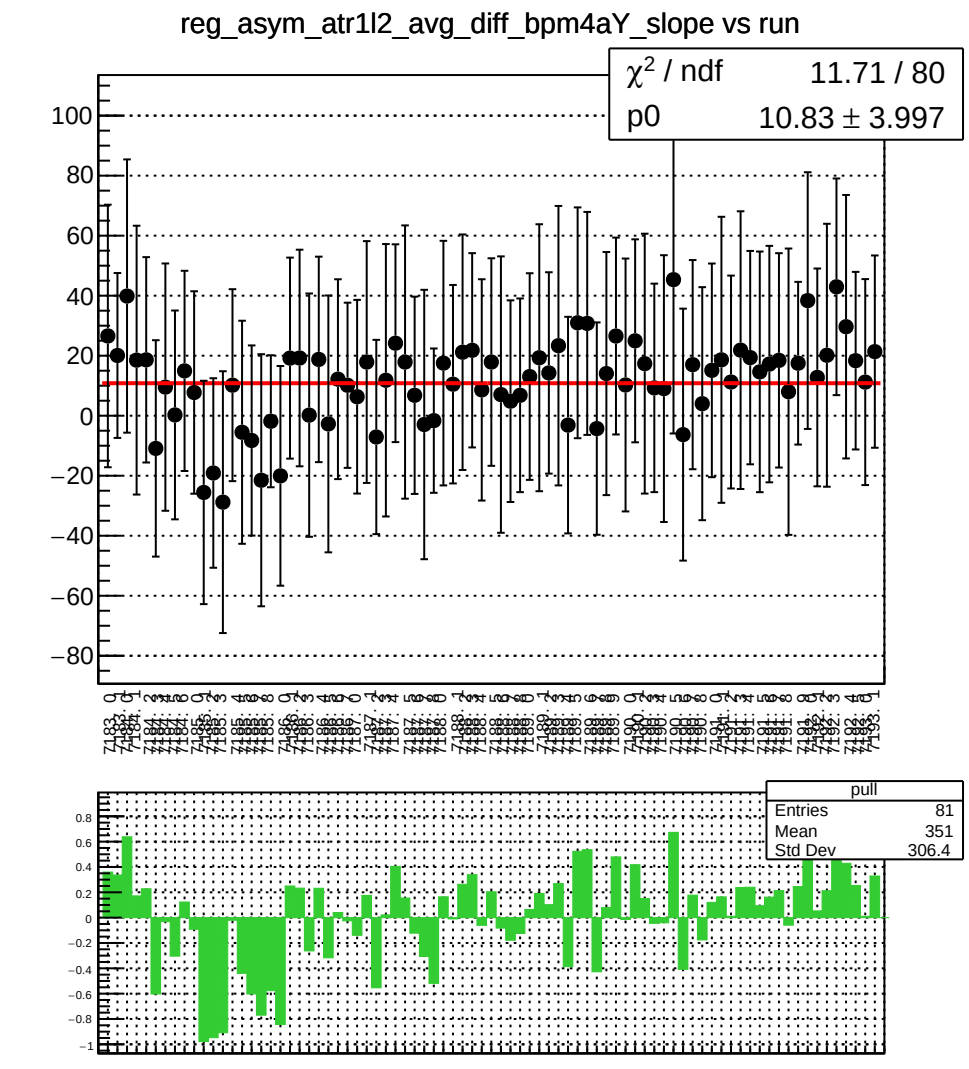

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.06 / 80
p0 −76.48 ± 3.538
pull
Entries 81
Mean 1310
Std Dev 1269

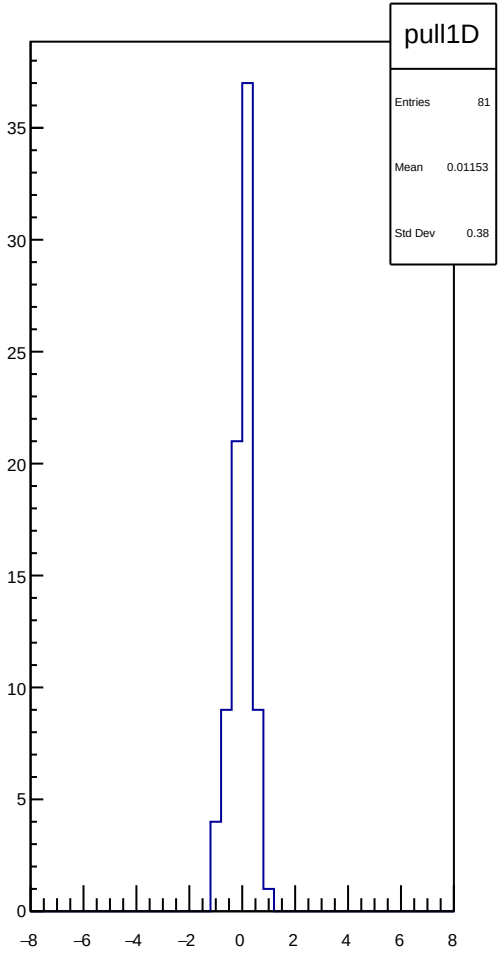

pull1D
Entries 81
Mean 0.003507
Std Dev 0.5562

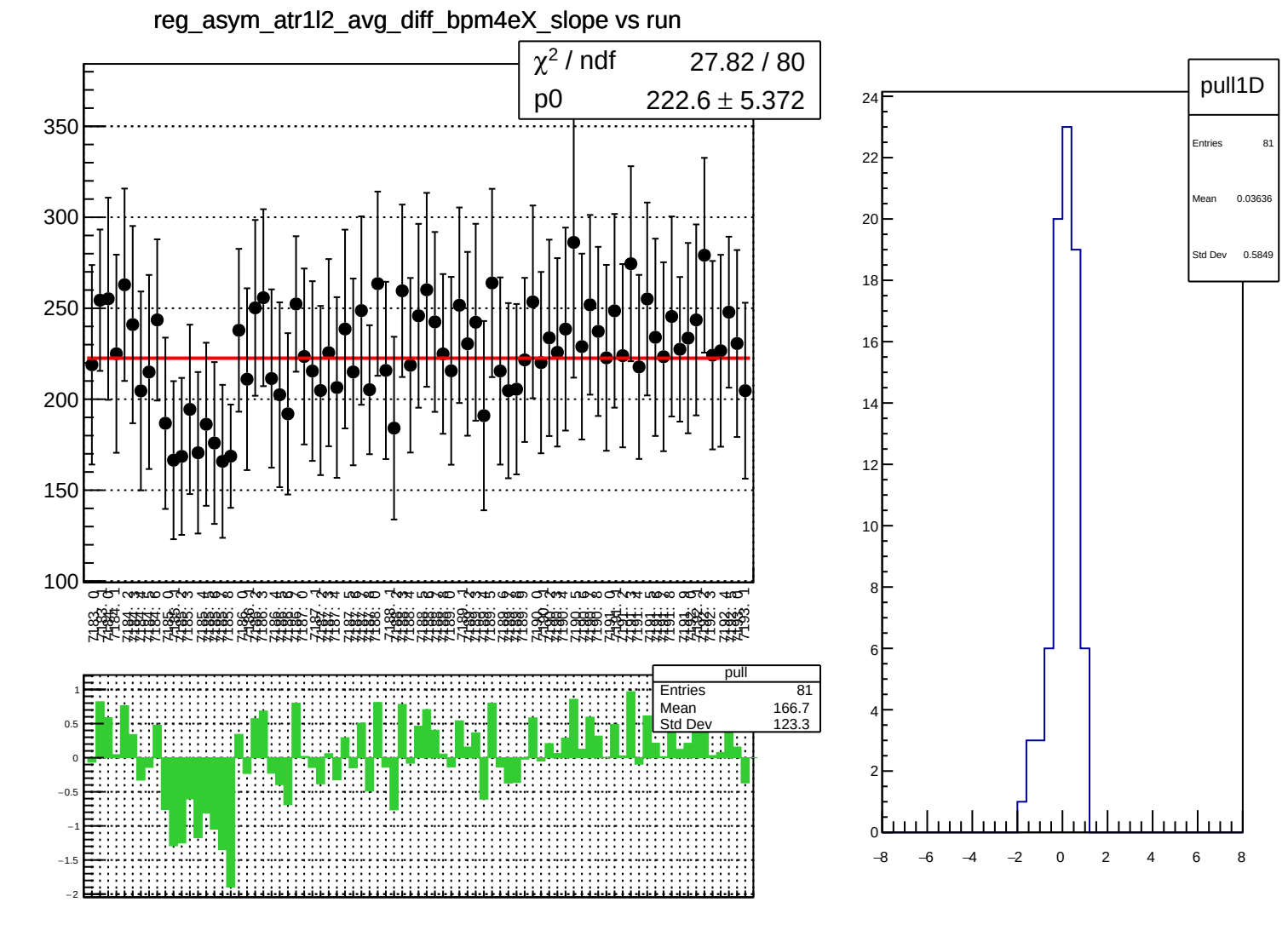

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.84 / 80
p0 121.9 ± 0.1602
125
124
123
122
121
120
119
118
pull
Entries 81
Mean 2882
Std Dev 2824
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.0005698
Std Dev 0.4949
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

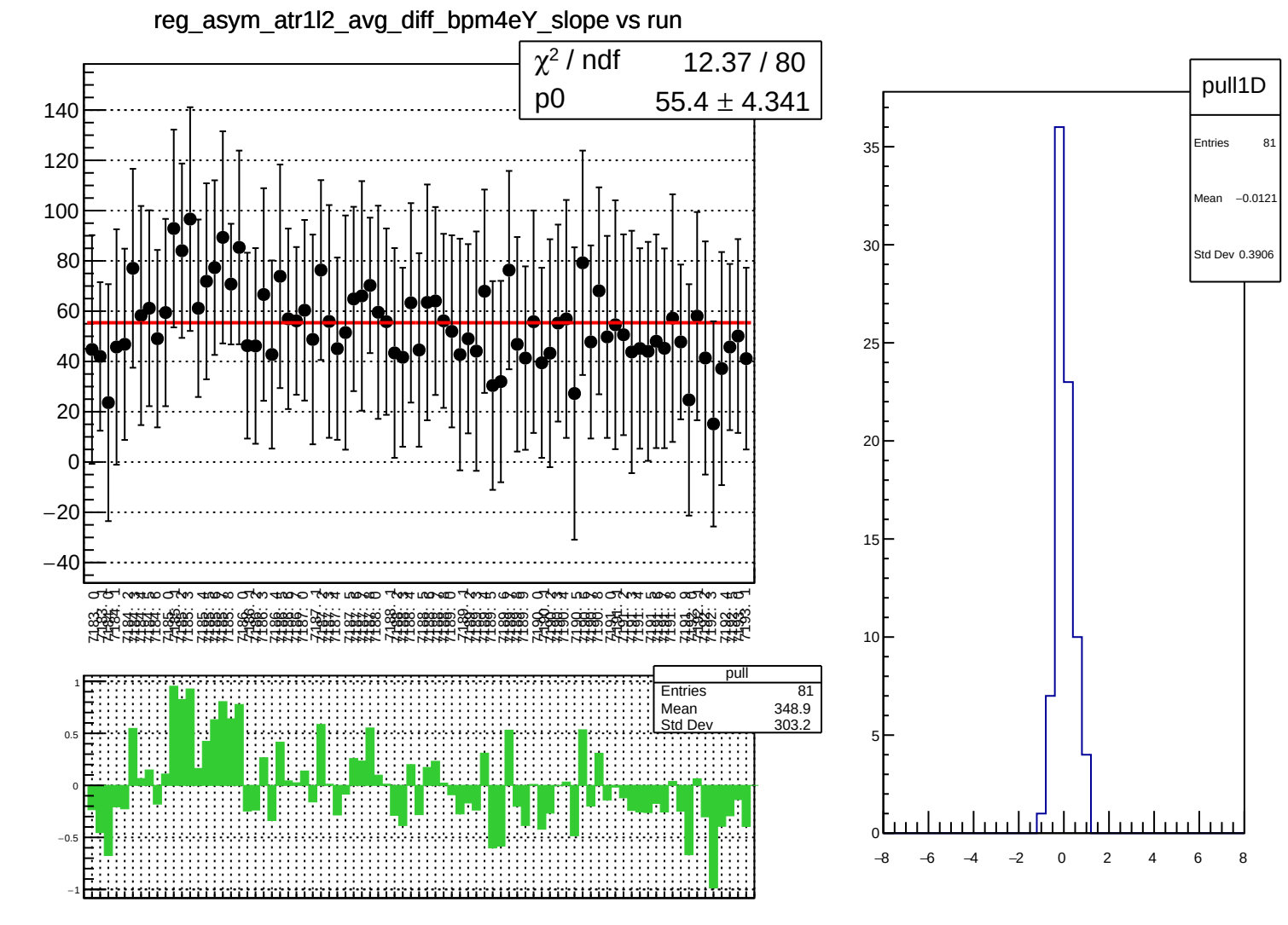

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 27.53 / 80
p0 −285.4 ± 5.365
pull
Entries 81
Mean 172.6
Std Dev 129

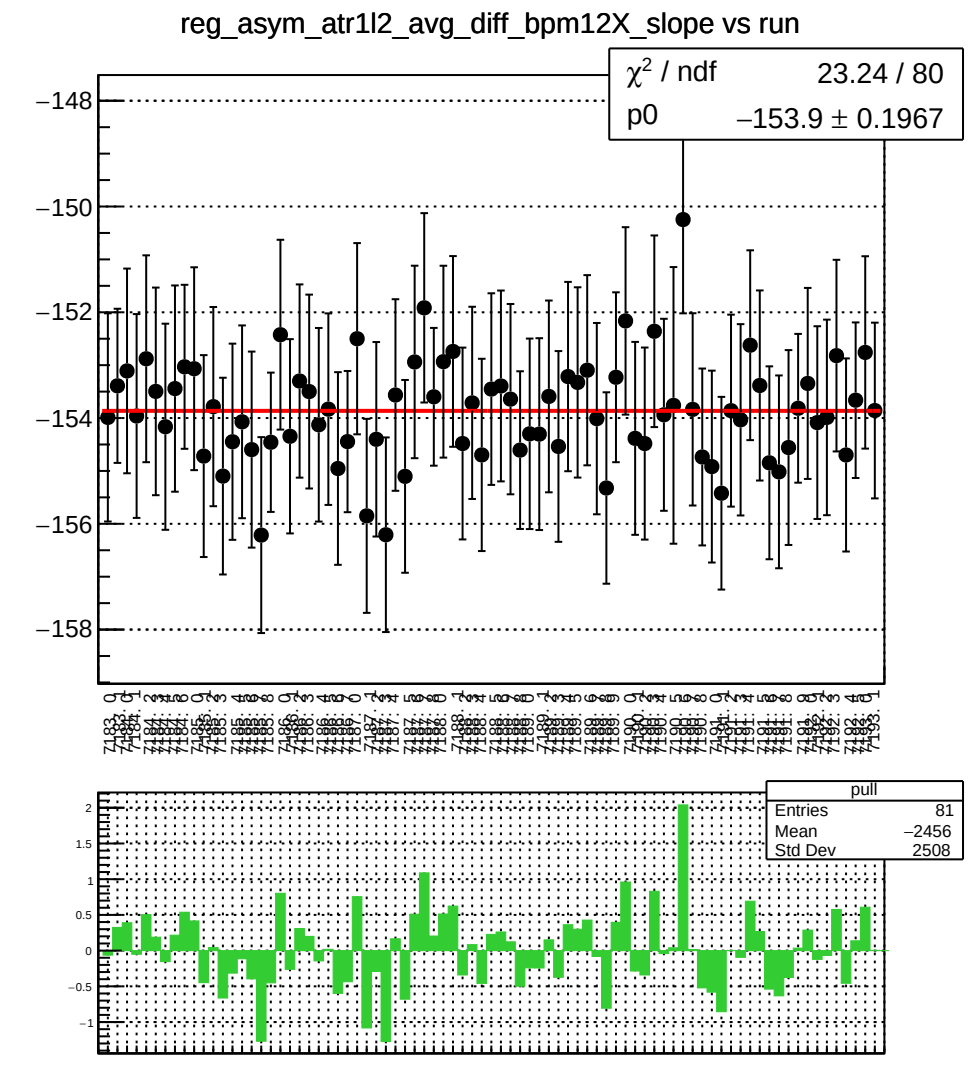

pull1D
Entries 81
Mean −0.03337
Std Dev 0.582

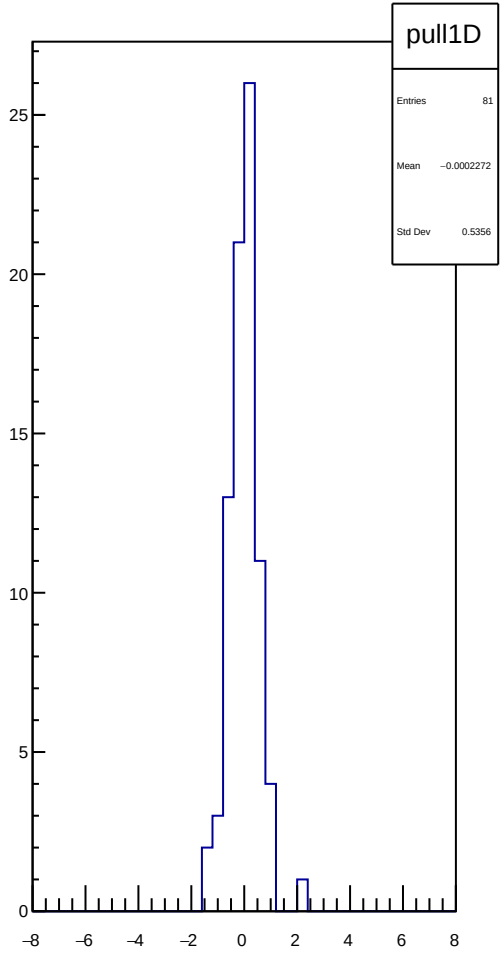

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.71 / 80
p0 10.83 ± 3.997
pull
Entries 81
Mean 351
Std Dev 306.4

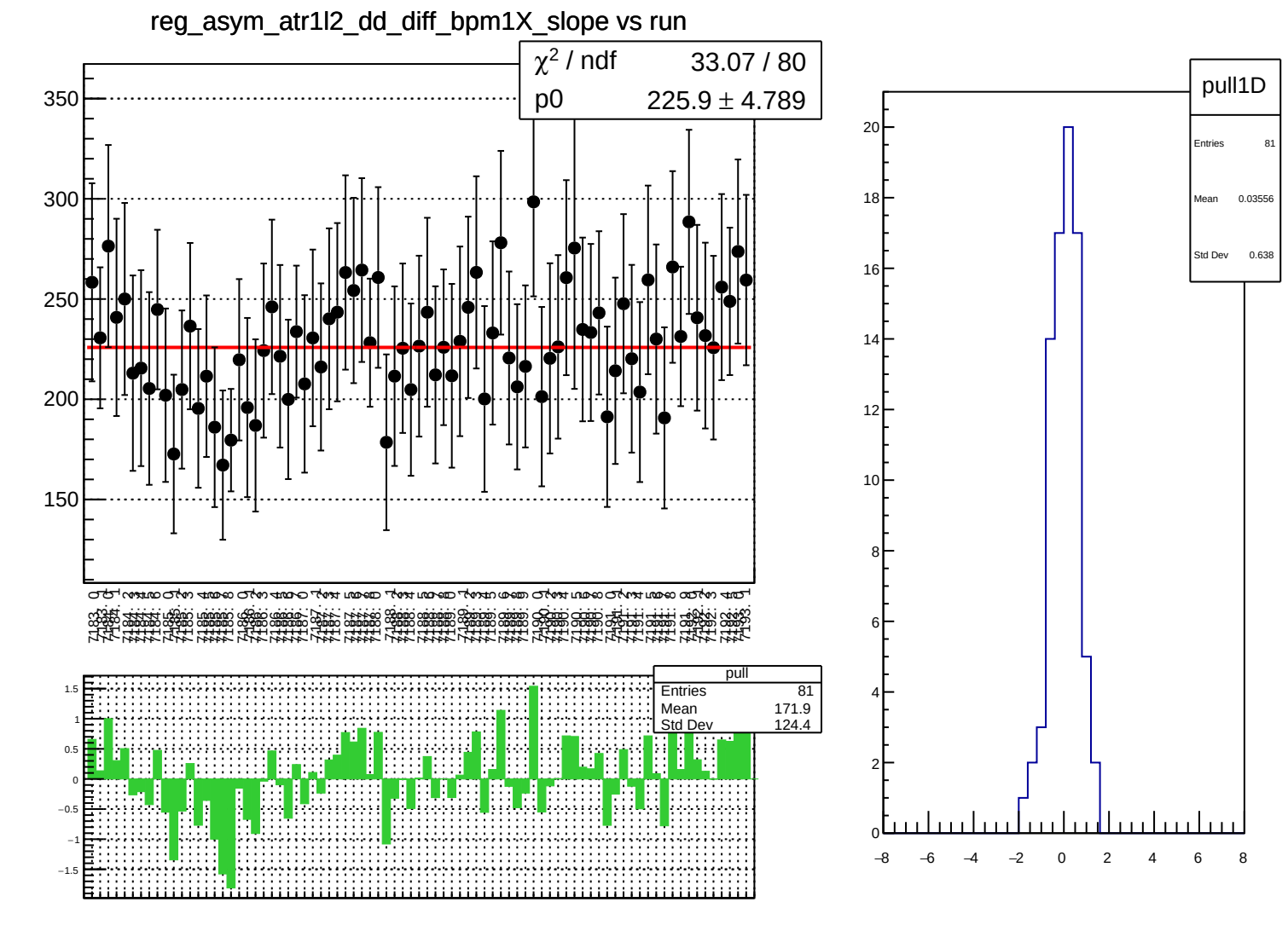

pull1D
Entries 81
Mean 0.01153
Std Dev 0.38

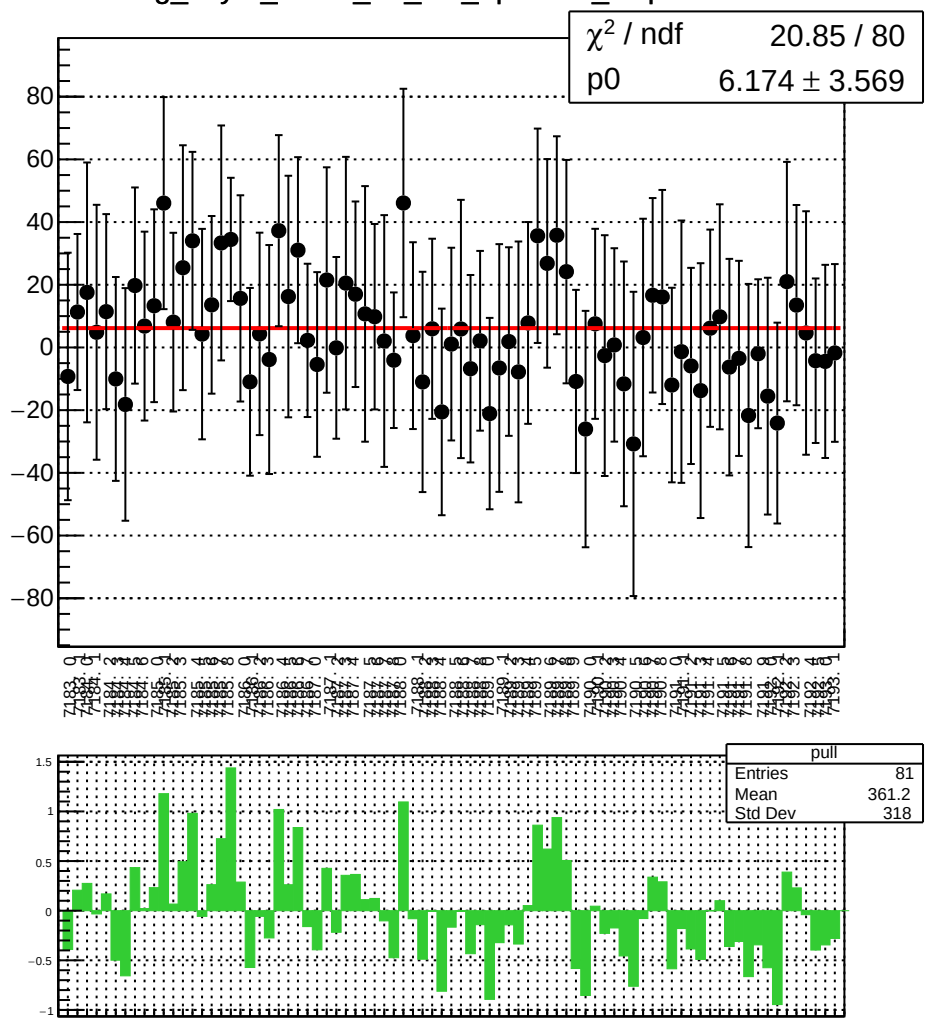

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.82 / 80
p0 222.6 ± 5.372
pull
Entries 81
Mean 166.7
Std Dev 123.3
pull1D
Entries 81
Mean 0.03636
Std Dev 0.5849

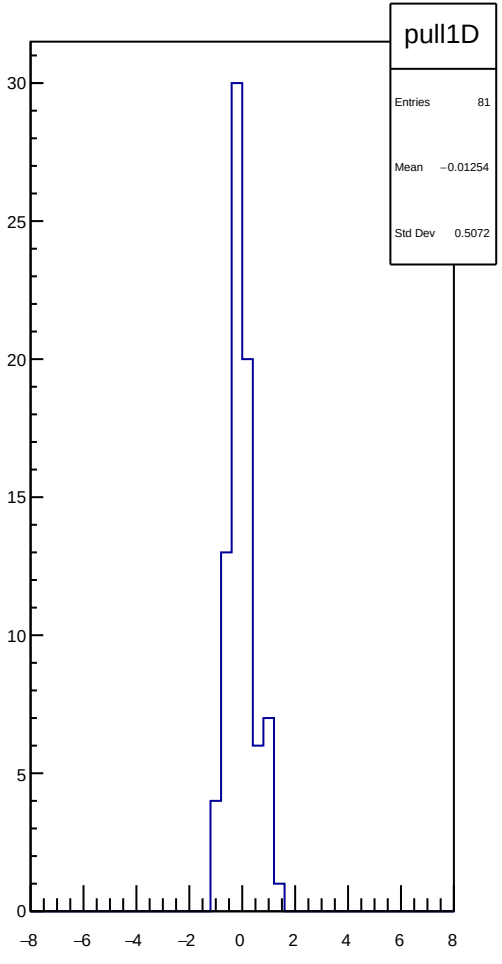

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.37 / 80
p0 55.4 ± 4.341
pull
Entries 81
Mean 348.9
Std Dev 303.2
pull1D
Entries 81
Mean −0.0121
Std Dev 0.3906

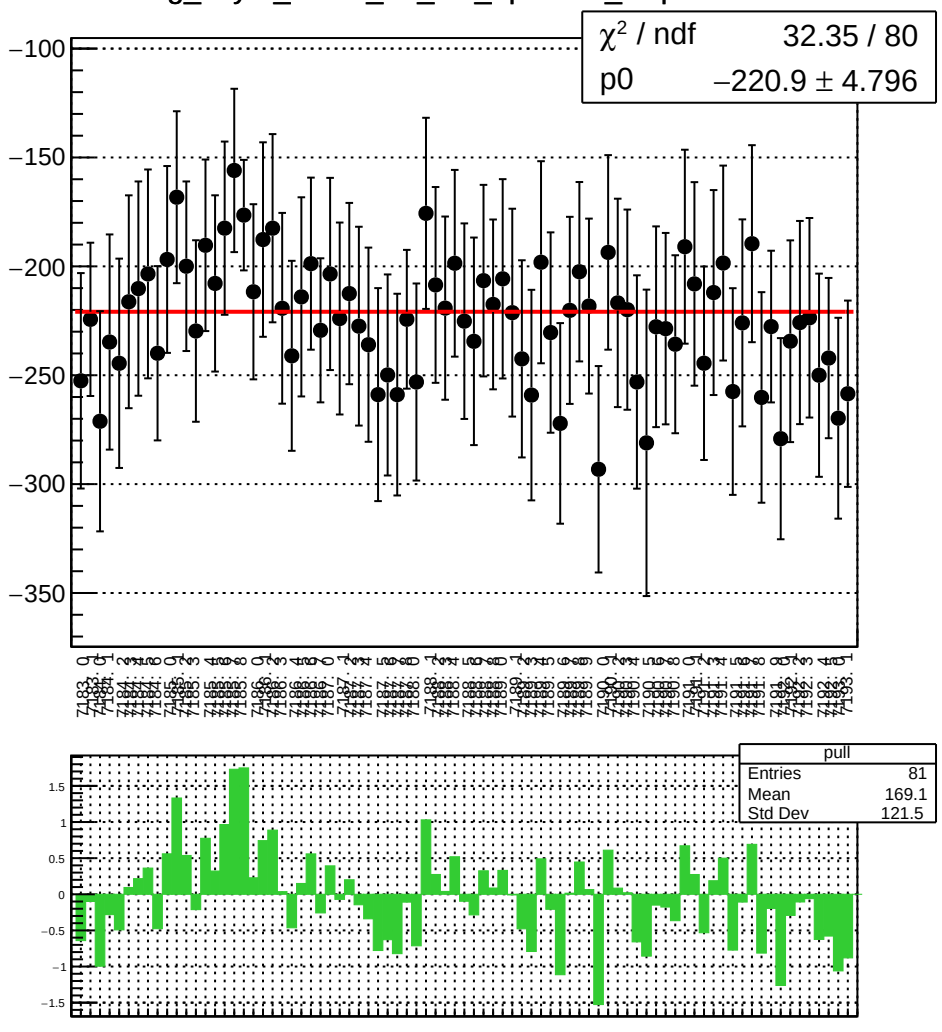

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.24 / 80
p0 −153.9 ± 0.1967
−148
−150
−152
−154
−156
−158
pull
Entries 81
Mean −2456
Std Dev 2508
2
1.5
1
0.5
0
−0.5
−1

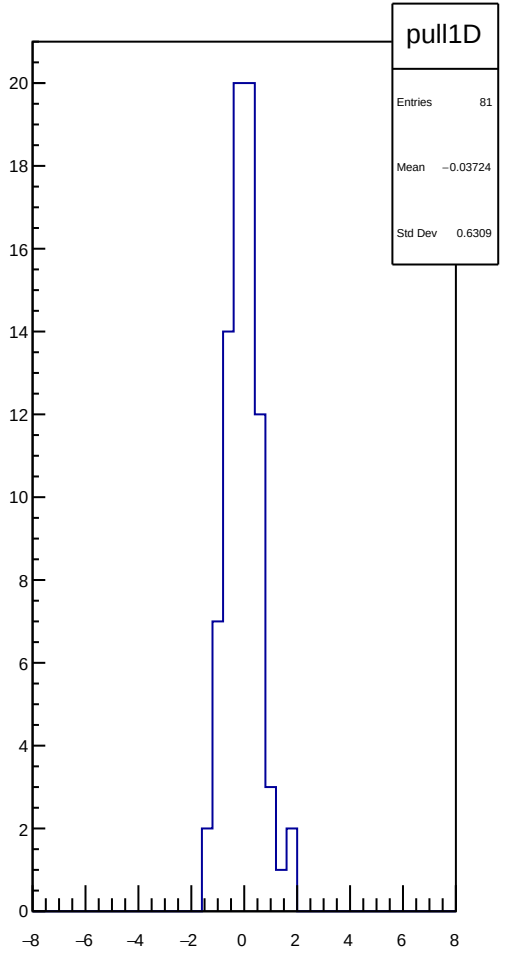

pull1D
Entries 81
Mean −0.0002272
Std Dev 0.5356
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

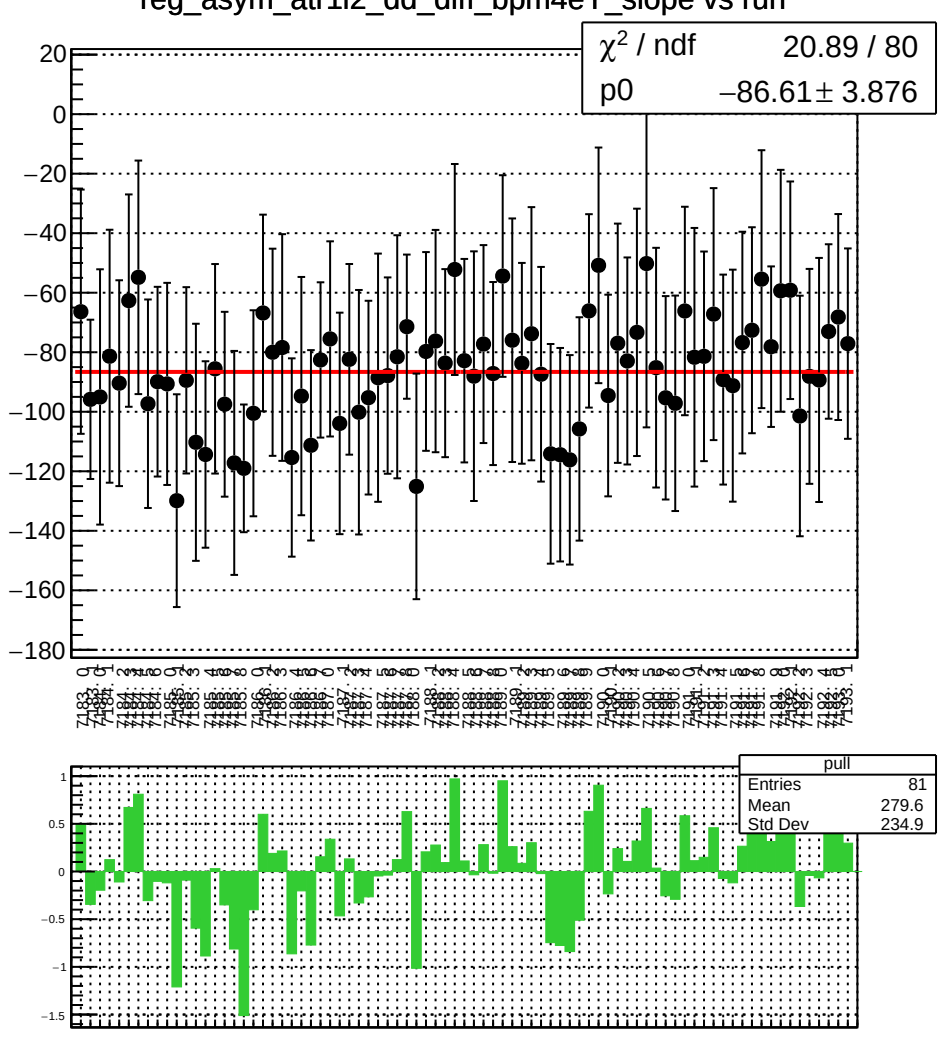

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 33.07 / 80
p0 225.9 ± 4.789
350
300
250
200
150
pull
Entries 81
Mean 171.9
Std Dev 124.4
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean 0.03556
Std Dev 0.638
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

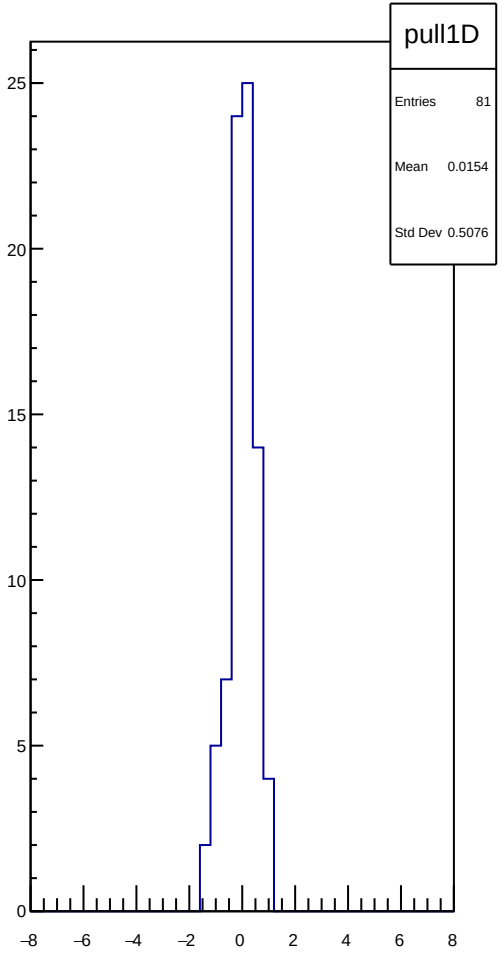

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.85 / 80
p0 6.174 ± 3.569
pull
Entries 81
Mean 361.2
Std Dev 318

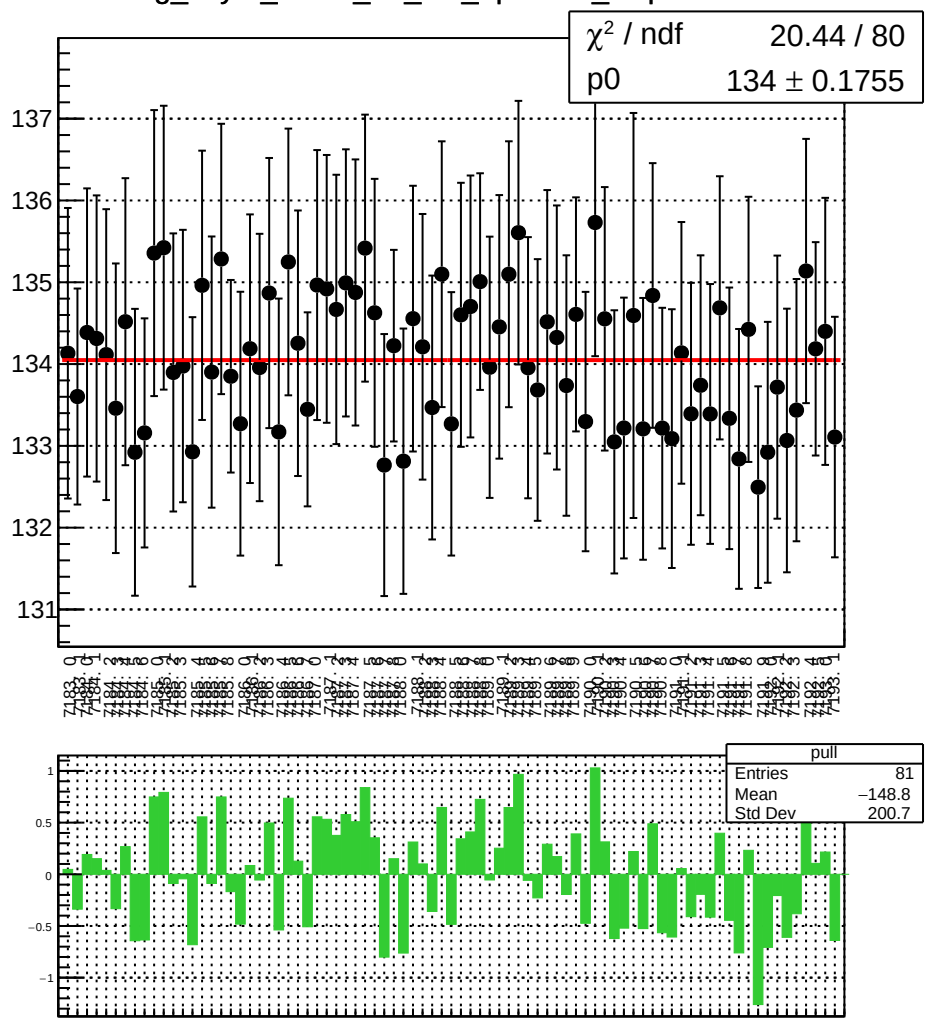

pull1D
Entries 81
Mean −0.01254
Std Dev 0.5072

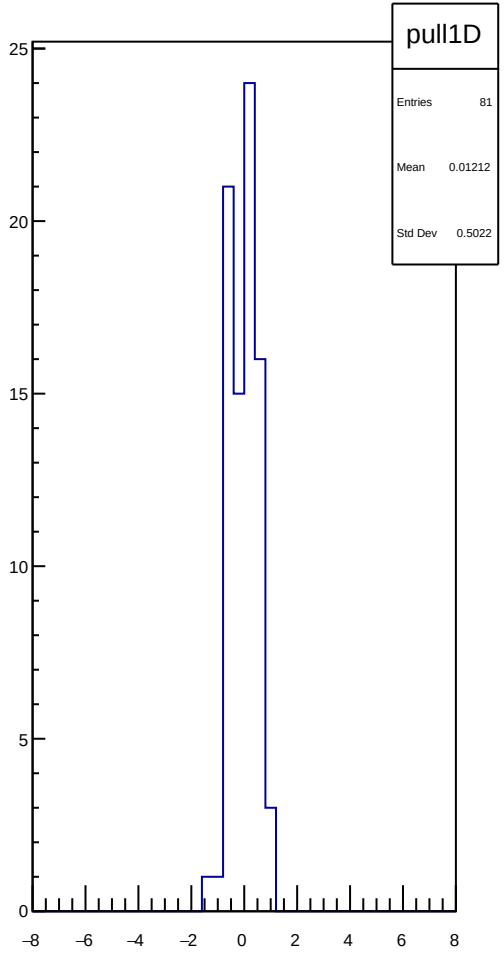

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.35 / 80
p0 −220.9 ± 4.796
pull
Entries 81
Mean 169.1
Std Dev 121.5

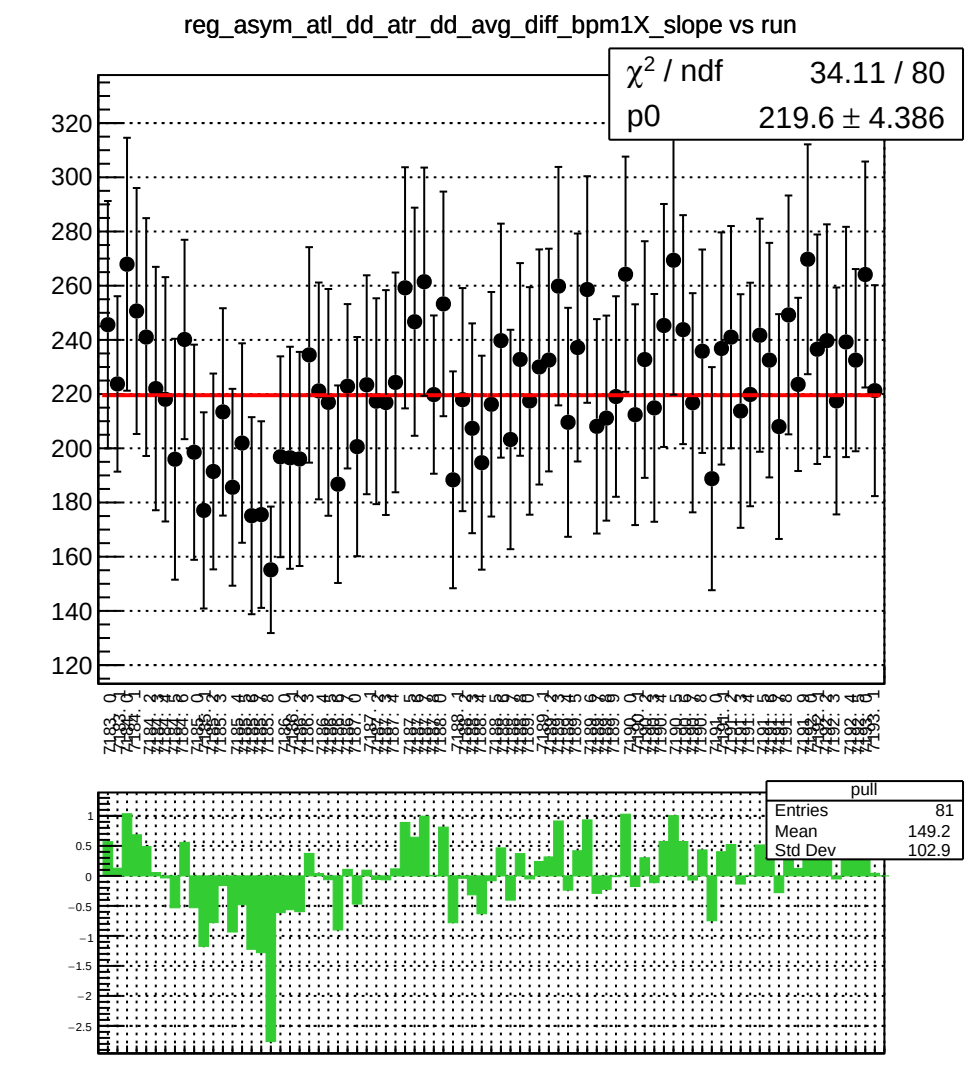

pull1D
Entries 81
Mean −0.03724
Std Dev 0.6309

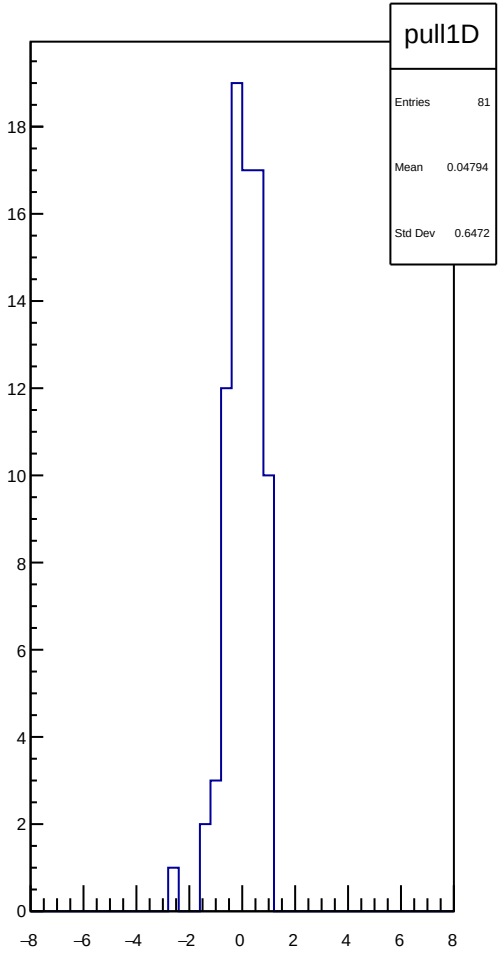

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.89 / 80
p0 −86.61 ± 3.876
pull
Entries 81
Mean 279.6
Std Dev 234.9

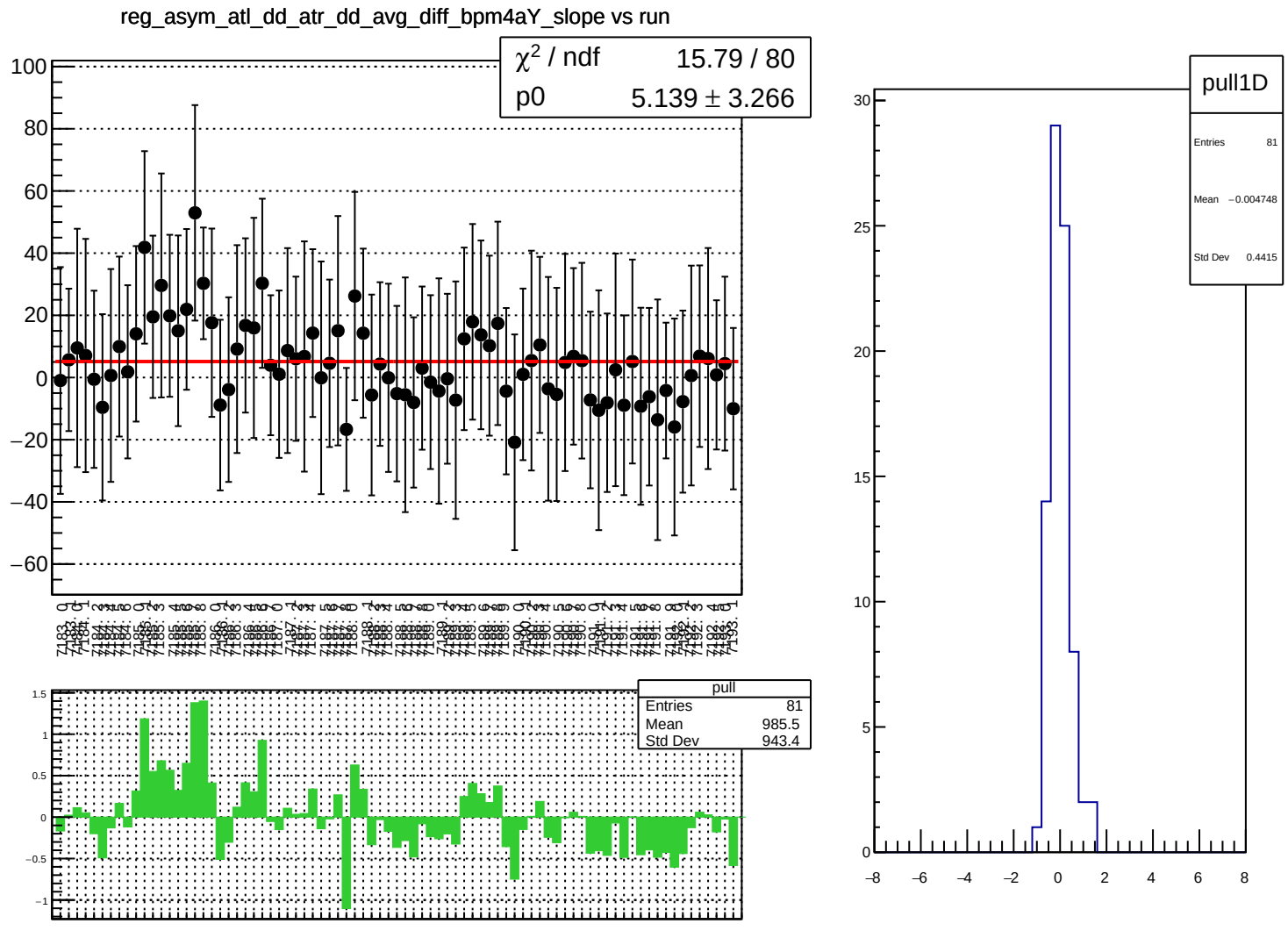

pull1D
Entries 81
Mean 0.0154
Std Dev 0.5076

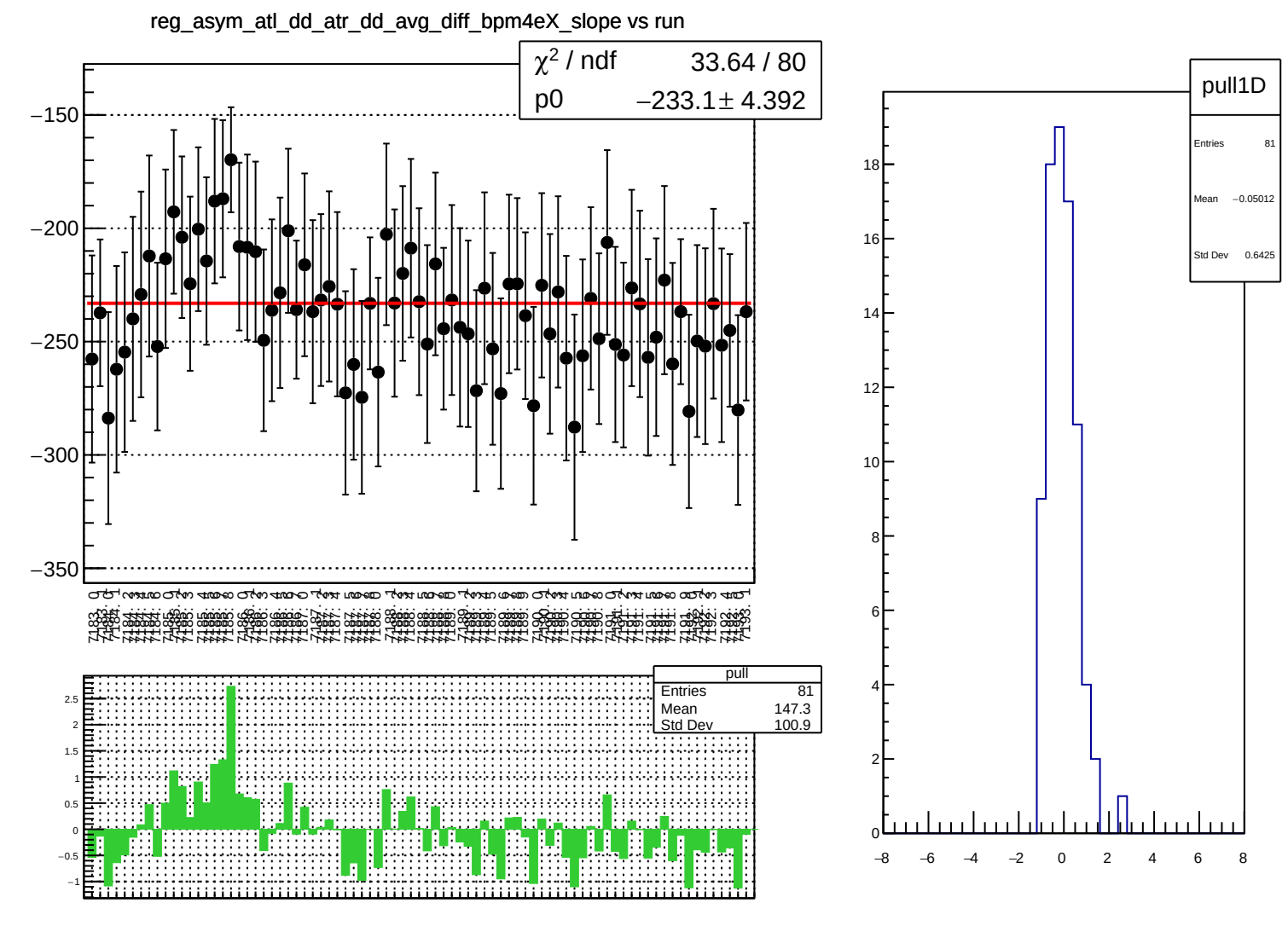

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 20.44 / 80
p0 134 ± 0.1755
137
136
135
134
133
132
131
pull
Entries 81
Mean −148.8
Std Dev 200.7
1
0.5
0
−0.5
−1

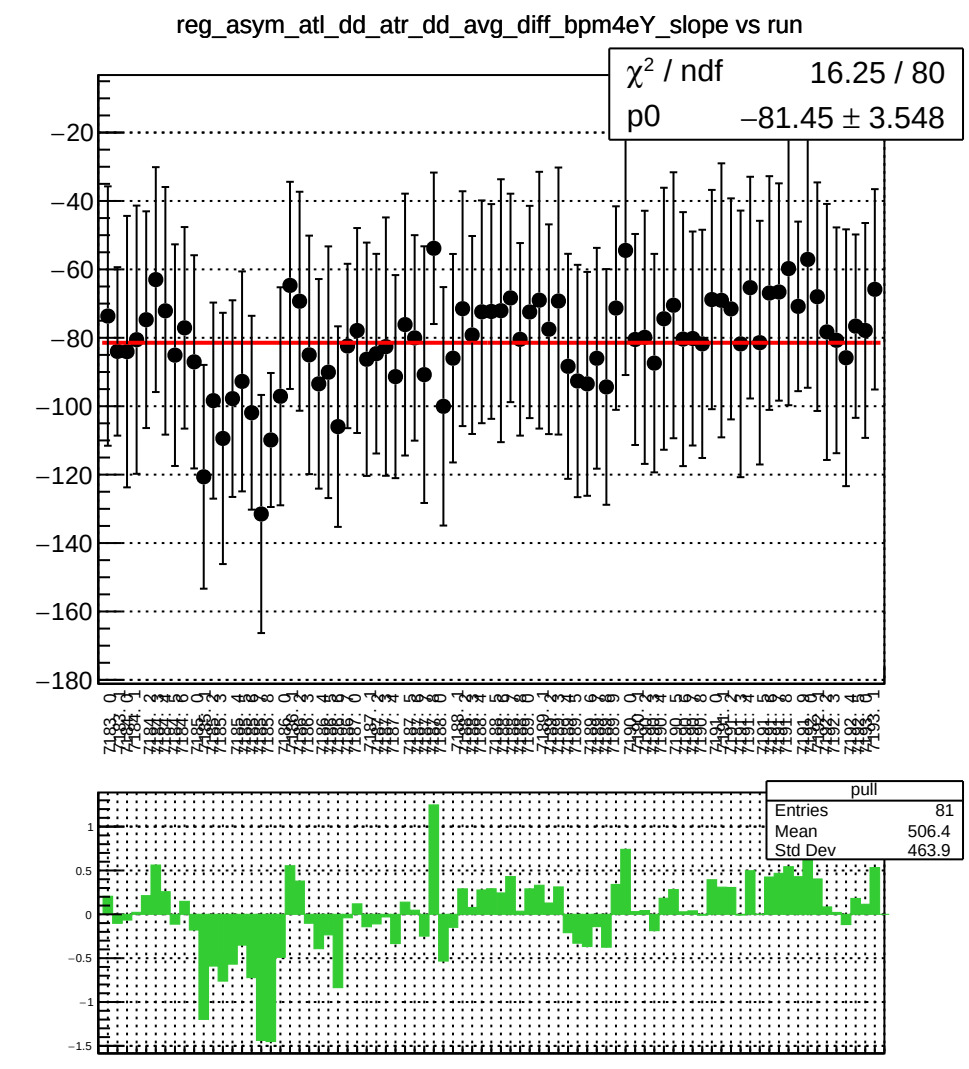

pull1D
Entries 81
Mean 0.01212
Std Dev 0.5022
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

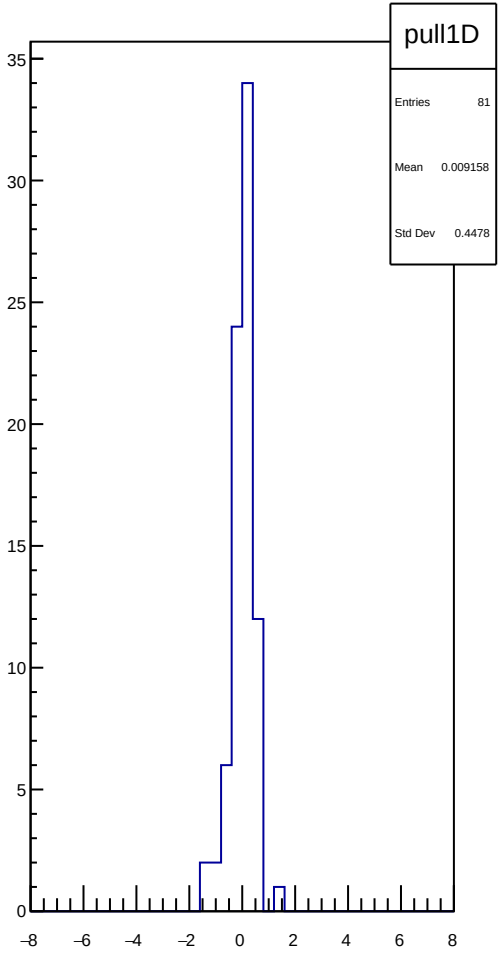

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 34.11 / 80
p0 219.6 ± 4.386
pull
Entries 81
Mean 149.2
Std Dev 102.9

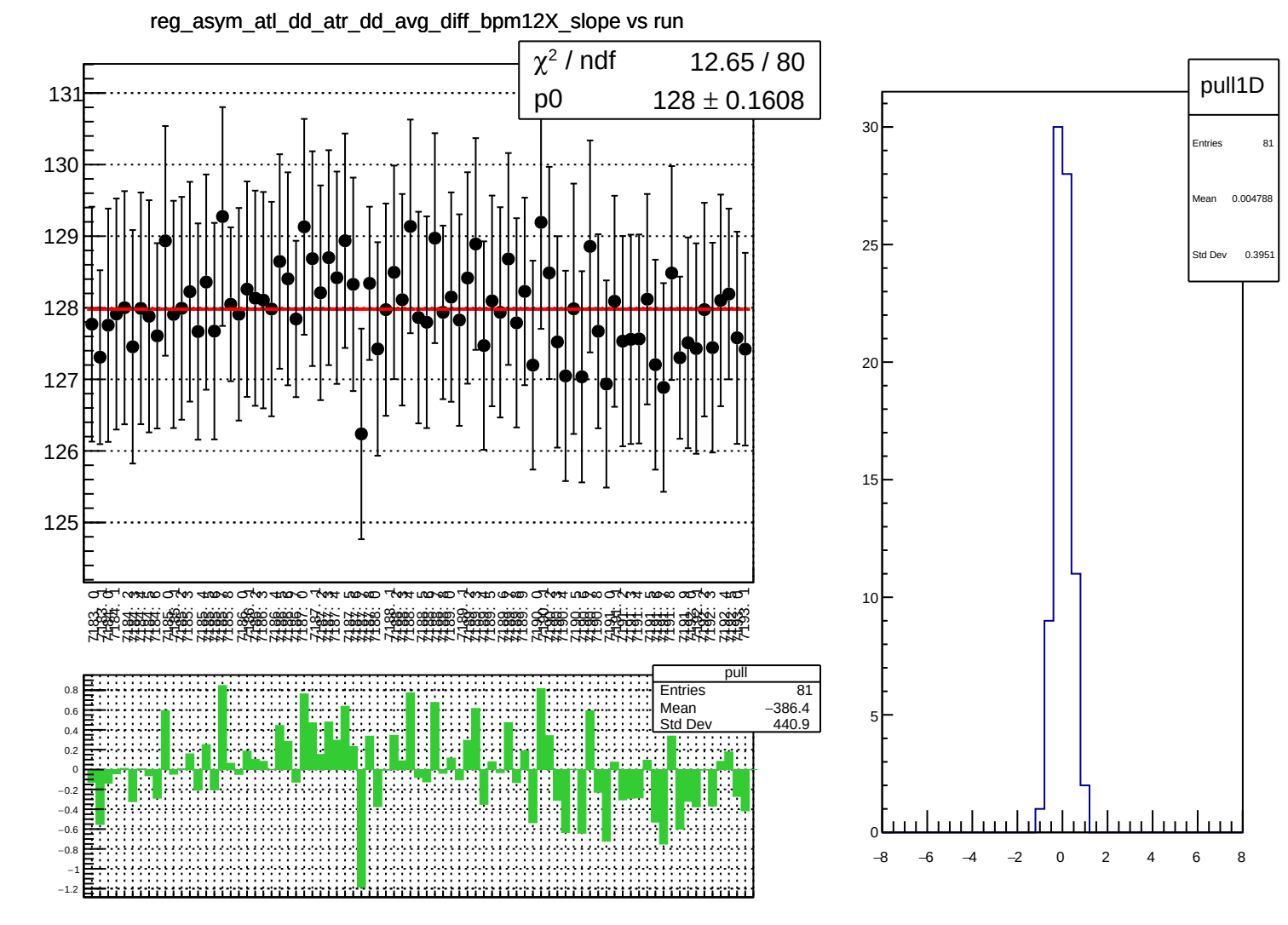

pull1D
Entries 81
Mean 0.04794
Std Dev 0.6472

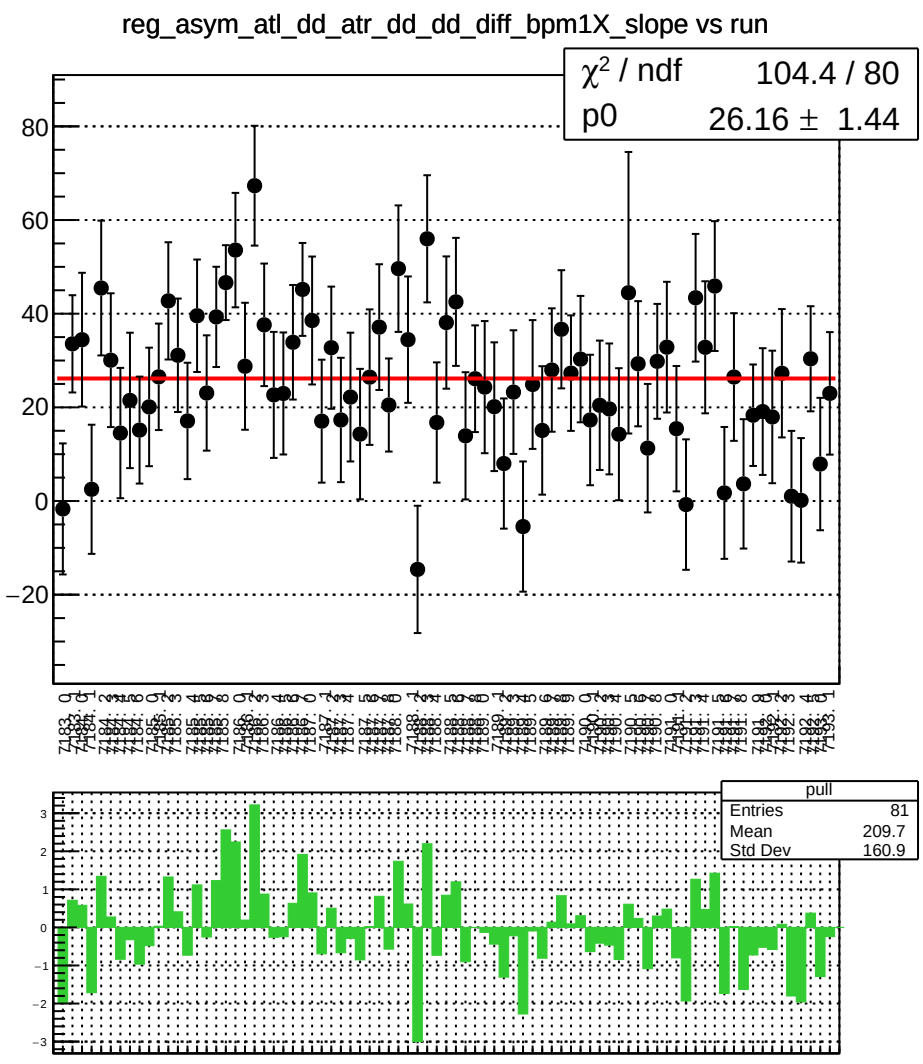

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.79 / 80
p0 5.139 ± 3.266
pull
Entries 81
Mean 985.5
Std Dev 943.4
pull1D
Entries 81
Mean −0.004748
Std Dev 0.4415

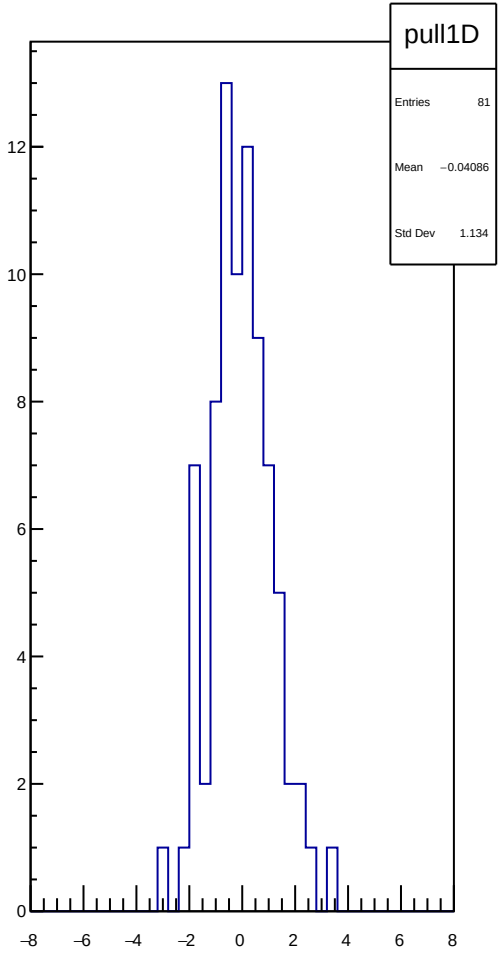

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.64 / 80
p0 −233.1 ± 4.392
−150
−200
−250
−300
−350
pull
Entries 81
Mean 147.3
Std Dev 100.9
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean −0.05012
Std Dev 0.6425
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

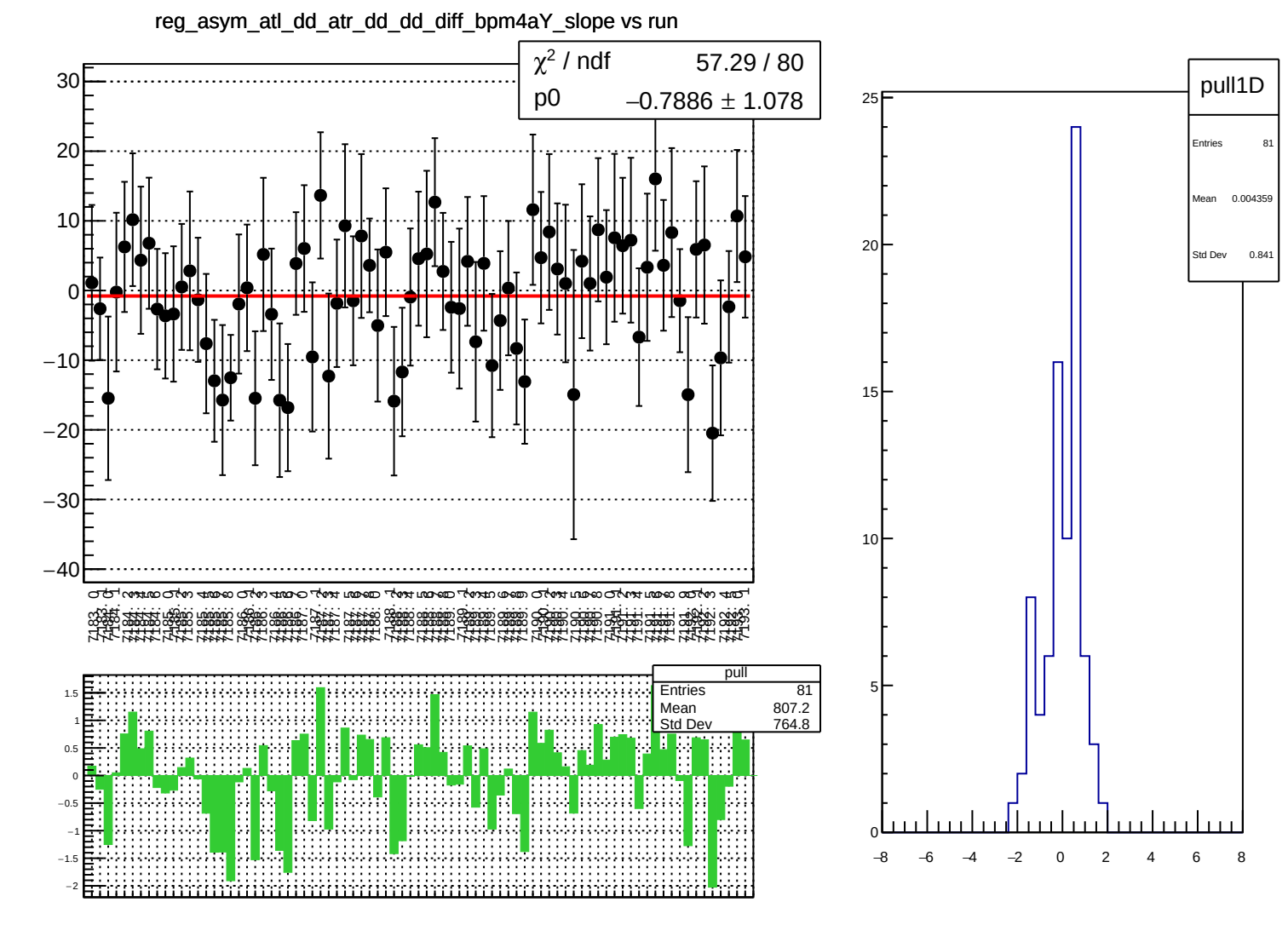

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.25 / 80
p0 −81.45 ± 3.548
pull
Entries 81
Mean 506.4
Std Dev 463.9

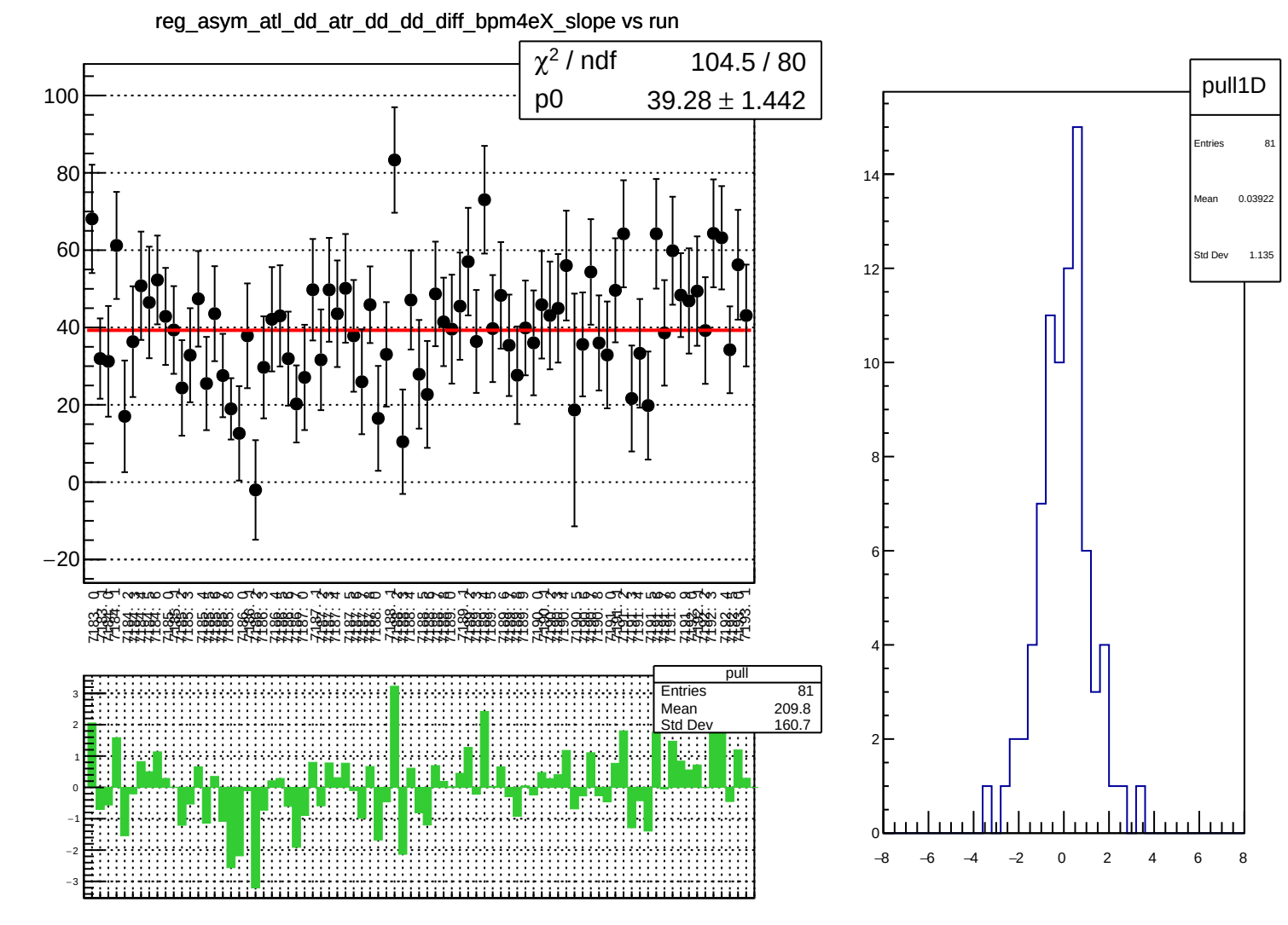

pull1D
Entries 81
Mean 0.009158
Std Dev 0.4478

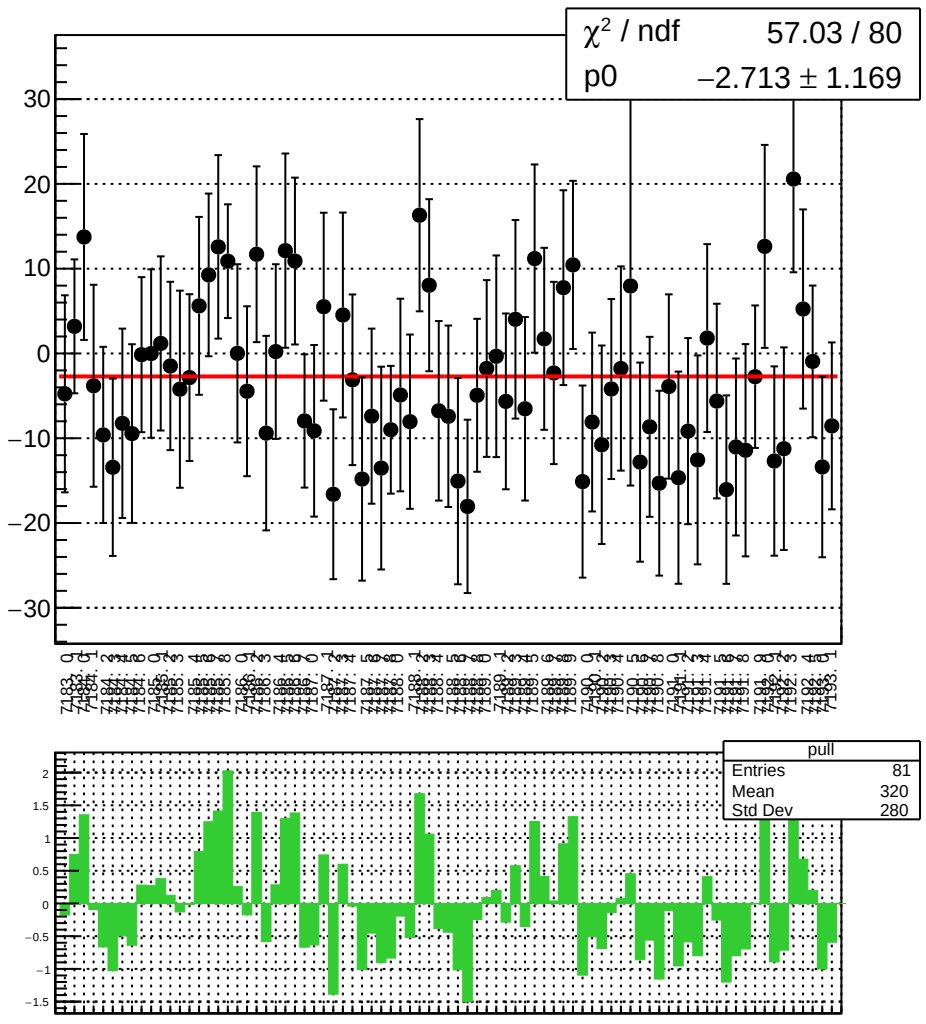

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 12.65 / 80
p0 128 ± 0.1608
131
130
129
128
127
126
125
pull
Entries 81
Mean −386.4
Std Dev 440.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 81
Mean 0.004788
Std Dev 0.3951
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

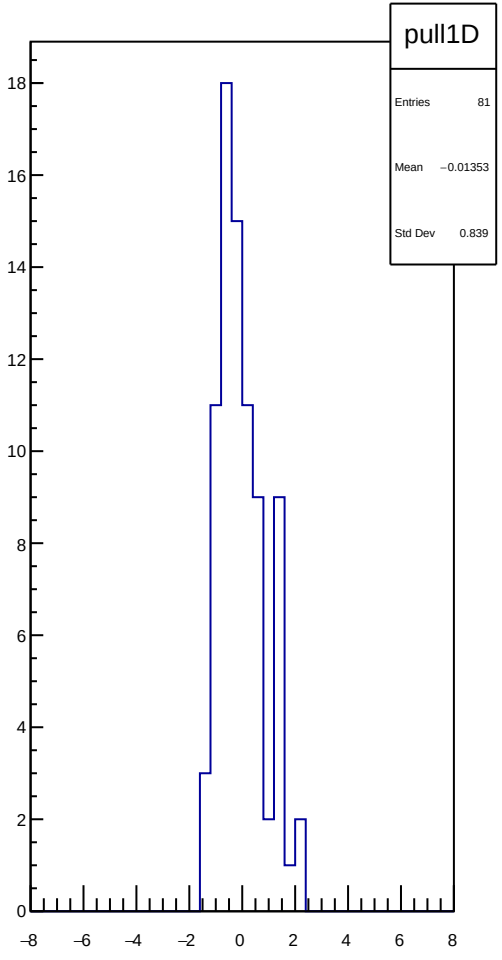

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 104.4 / 80
p0 26.16 ± 1.44
pull
Entries 81
Mean 209.7
Std Dev 160.9

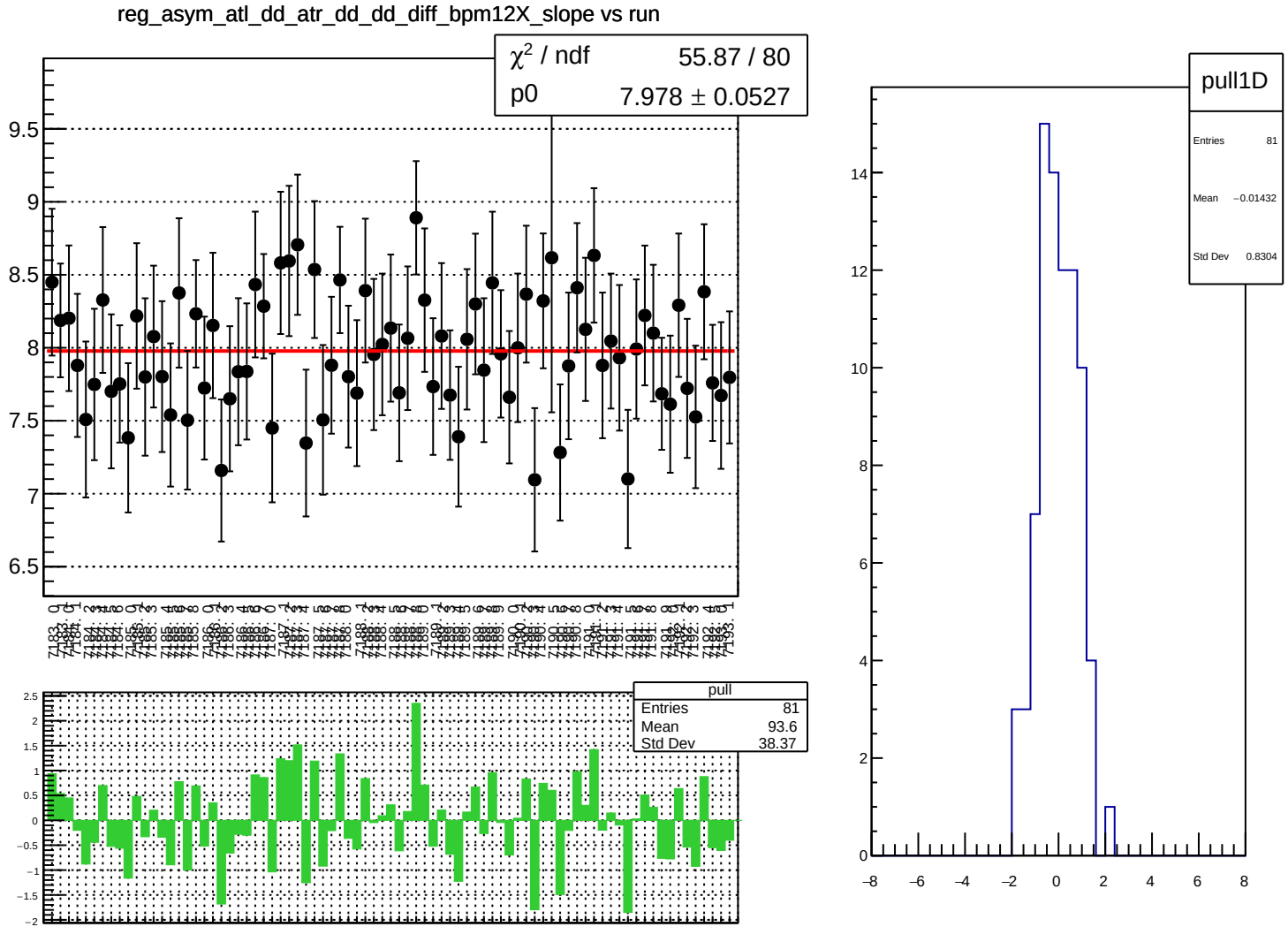

pull1D
Entries 81
Mean −0.04086
Std Dev 1.134

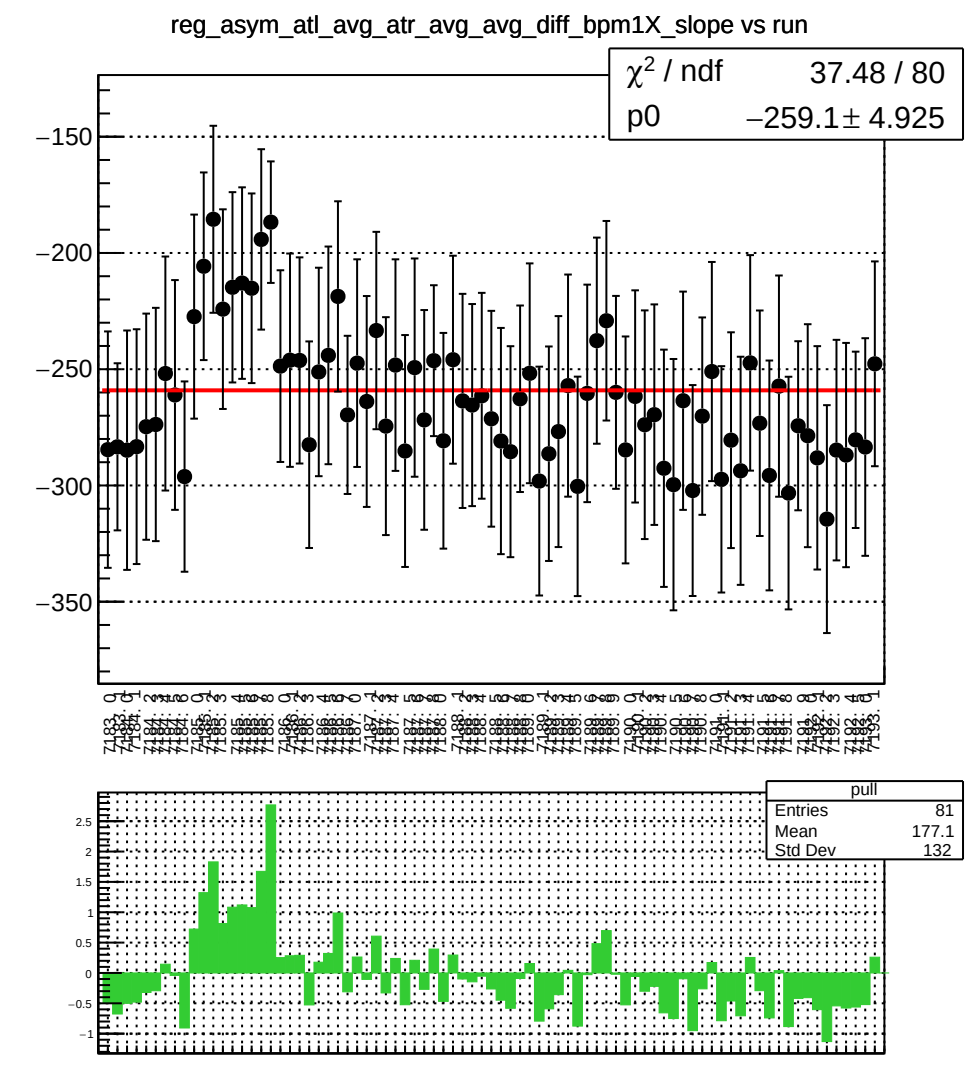

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.29 / 80
p0 −0.7886 ± 1.078
pull
Entries 81
Mean 807.2
Std Dev 764.8
pull1D
Entries 81
Mean 0.004359
Std Dev 0.841

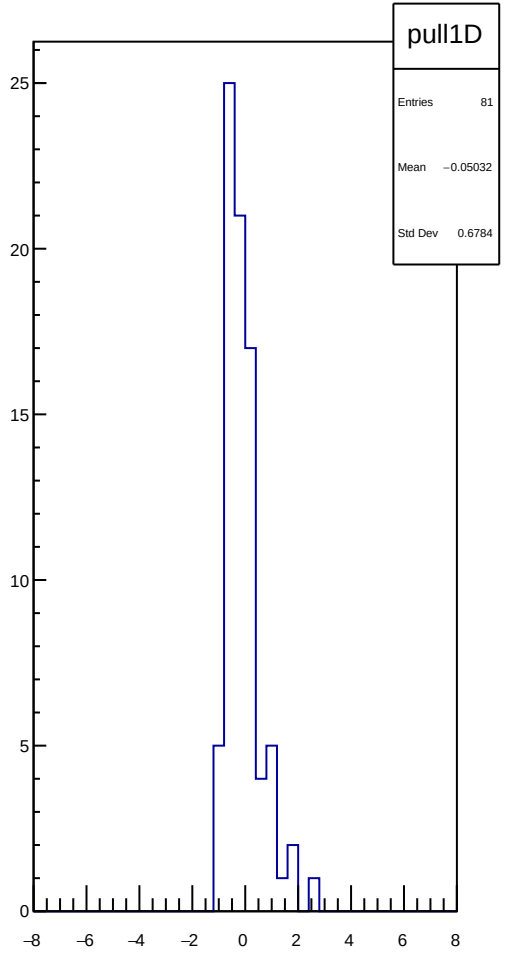

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 104.5 / 80
p0 39.28 ± 1.442
pull
Entries 81
Mean 209.8
Std Dev 160.7
pull1D
Entries 81
Mean 0.03922
Std Dev 1.135

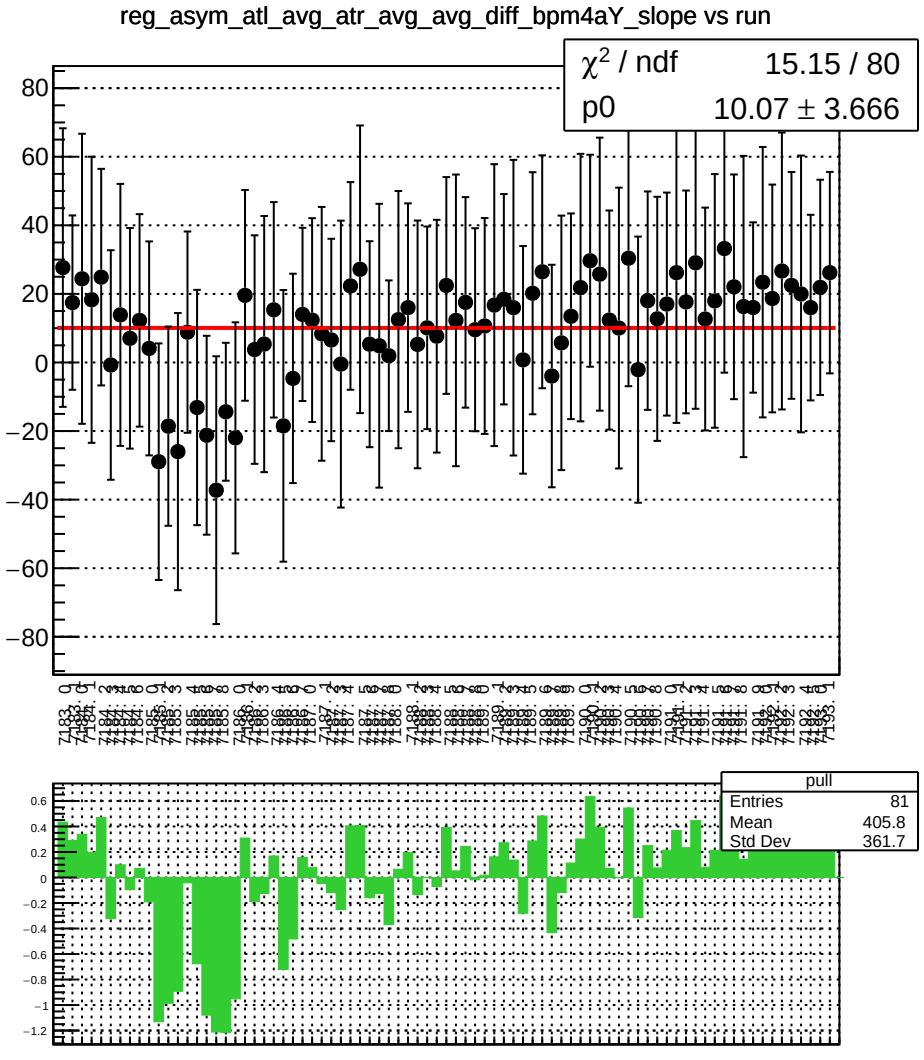

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 57.03 / 80
p0 −2.713 ± 1.169
pull
Entries 81
Mean 320
Std Dev 280

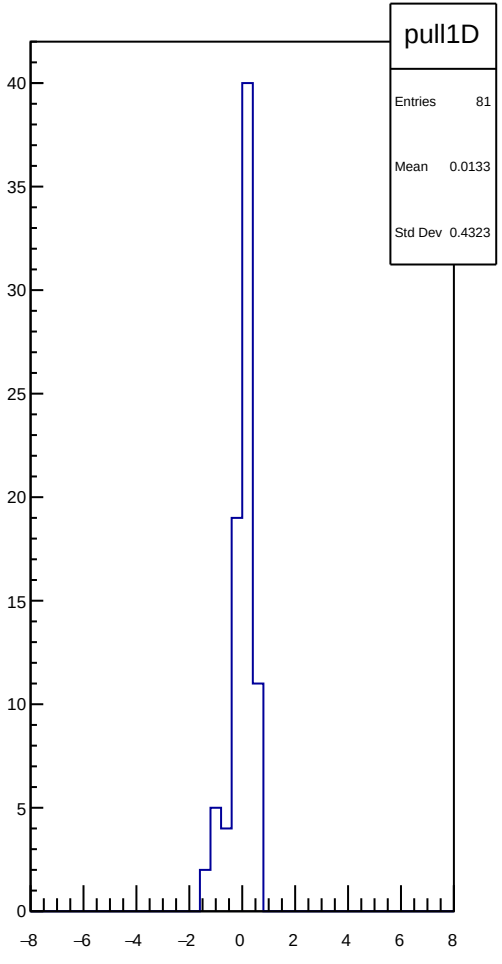

pull1D
Entries 81
Mean −0.01353
Std Dev 0.839

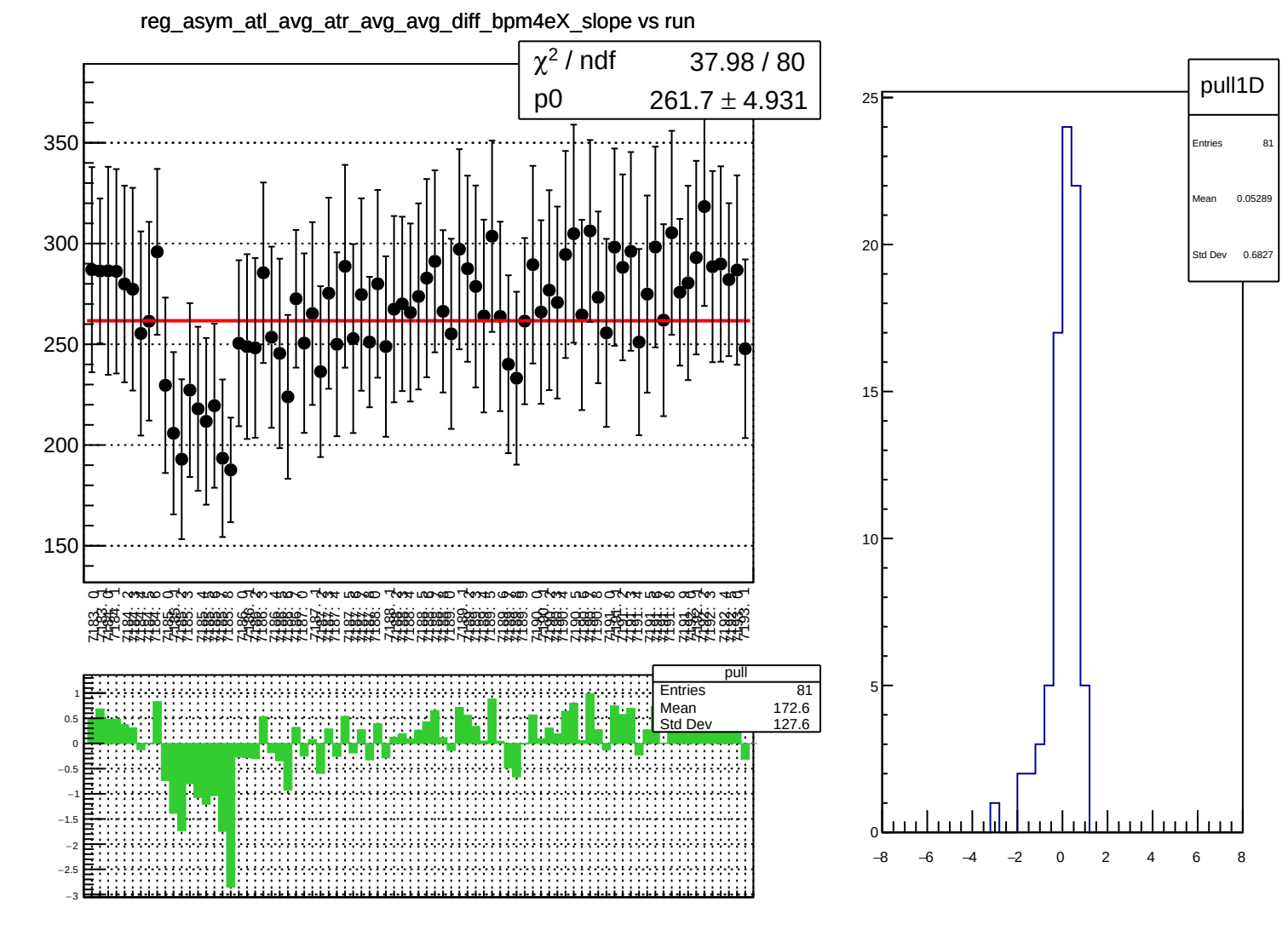

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 55.87 / 80
p0 7.978 ± 0.0527
pull
Entries 81
Mean 93.6
Std Dev 38.37
pull1D
Entries 81
Mean −0.01432
Std Dev 0.8304

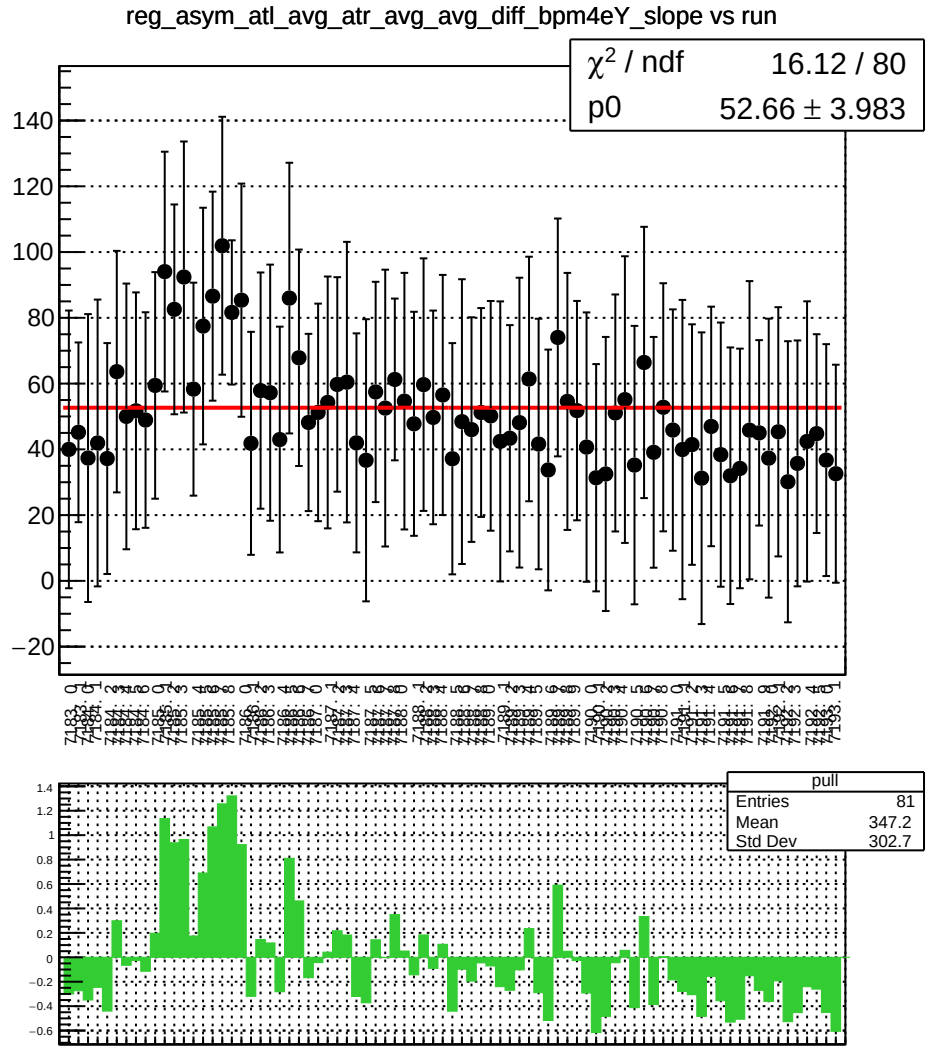

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 37.48 / 80
p0 −259.1 ± 4.925
−150
−200
−250
−300
−350
pull
Entries 81
Mean 177.1
Std Dev 132
2.5
2
1.5
1
0.5
0
−0.5
−1

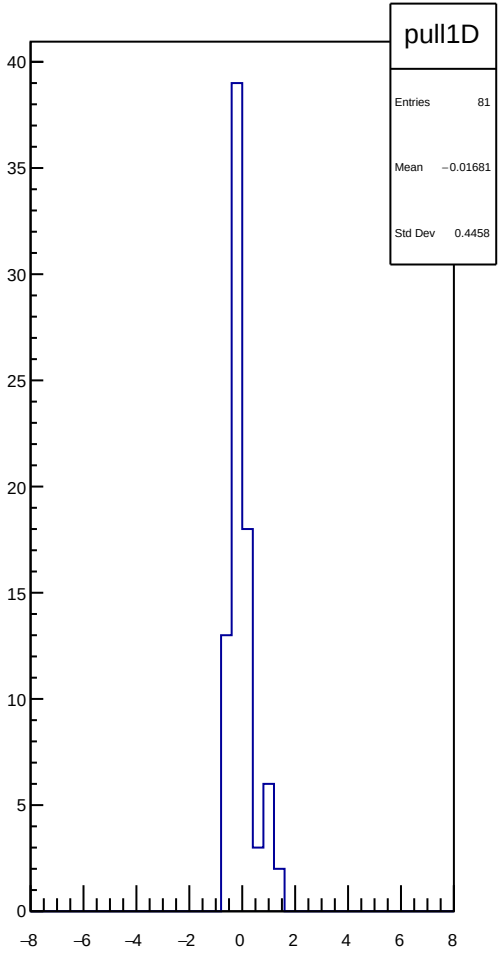

pull1D
Entries 81
Mean −0.05032
Std Dev 0.6784
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

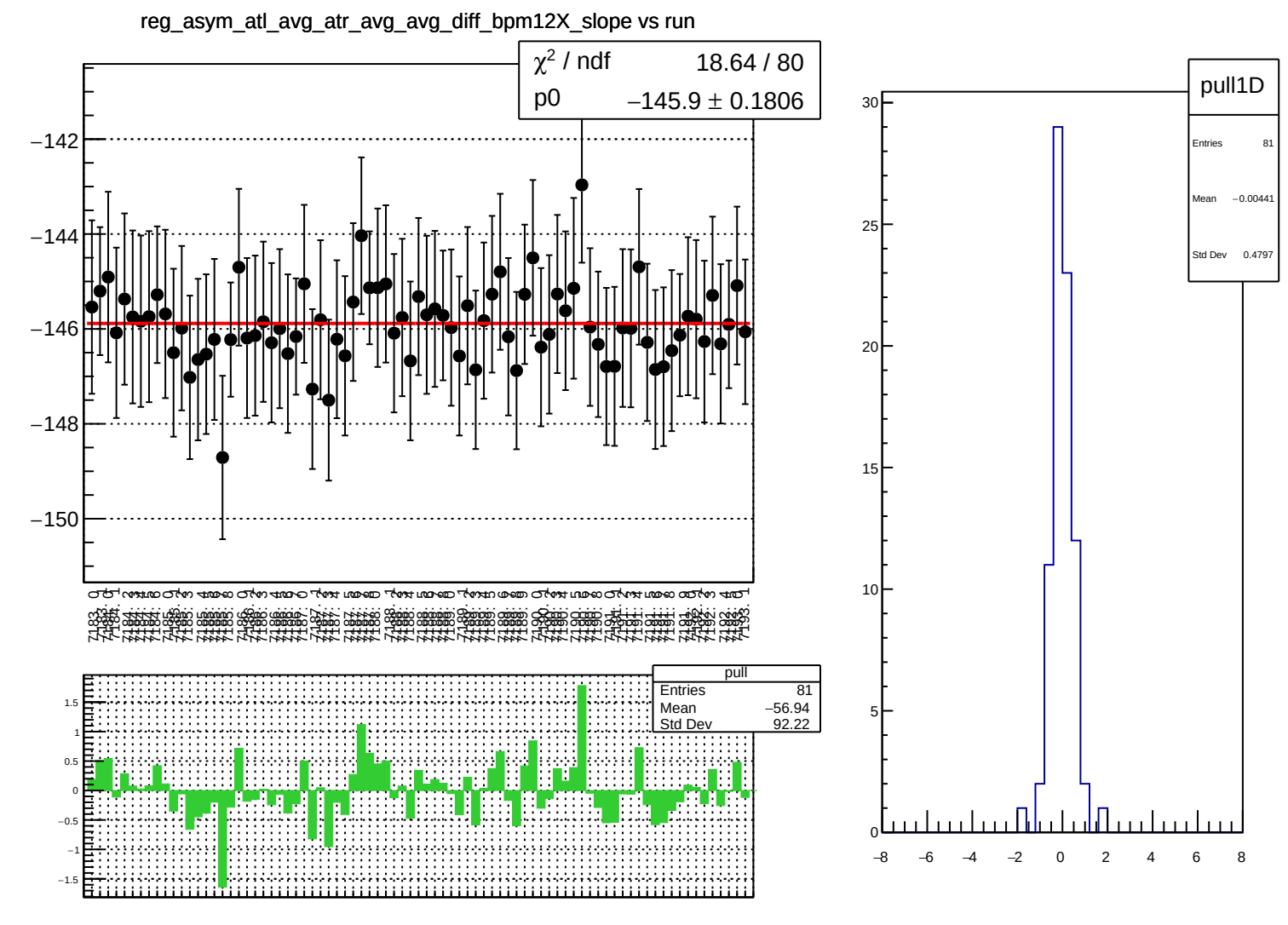

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.15 / 80
p0 10.07 ± 3.666
pull
Entries 81
Mean 405.8
Std Dev 361.7

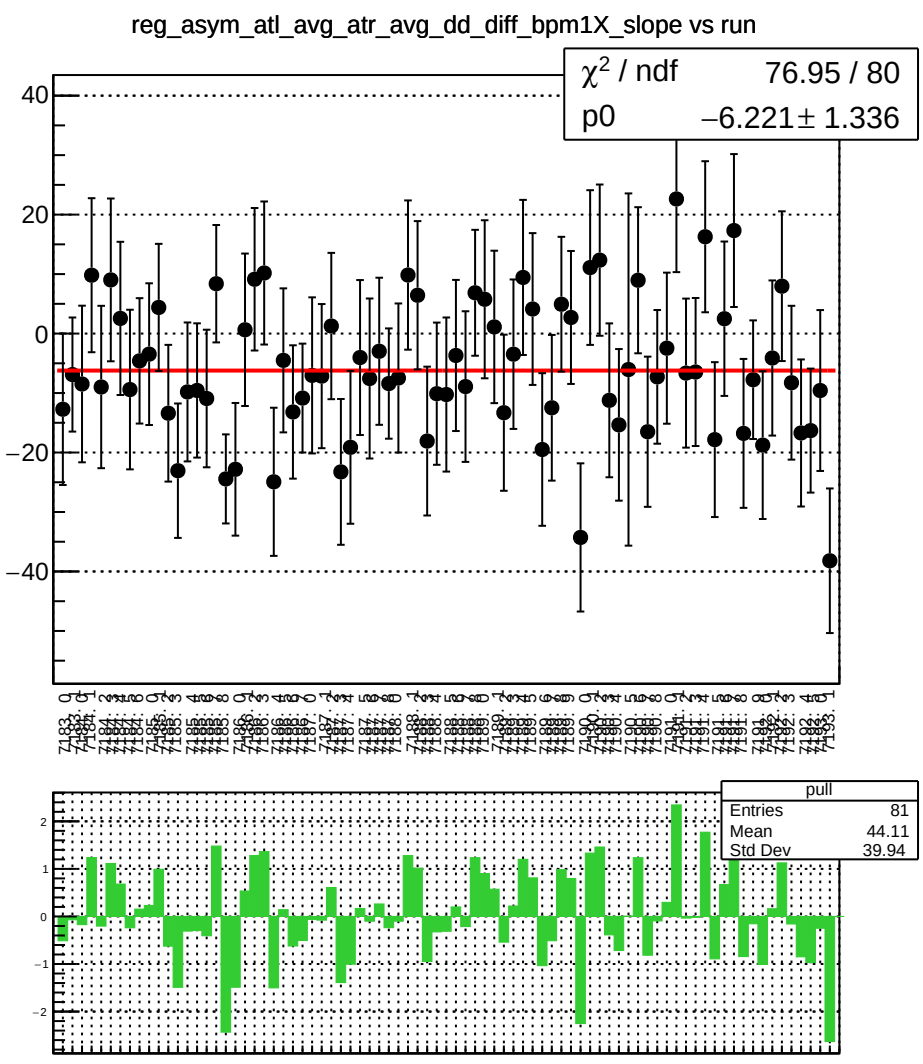

pull1D
Entries 81
Mean 0.0133
Std Dev 0.4323

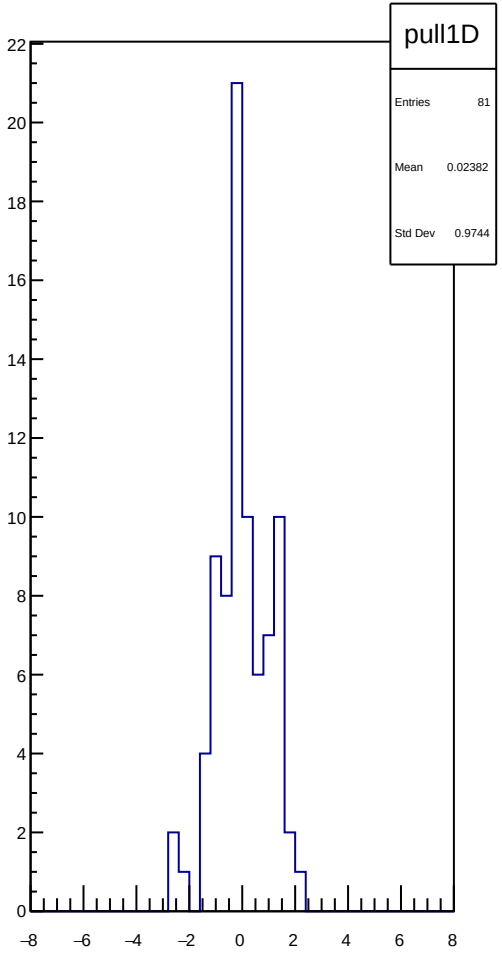

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.98 / 80
p0 261.7 ± 4.931
350
300
250
200
150
pull
Entries 81
Mean 172.6
Std Dev 127.6
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 81
Mean 0.05289
Std Dev 0.6827
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

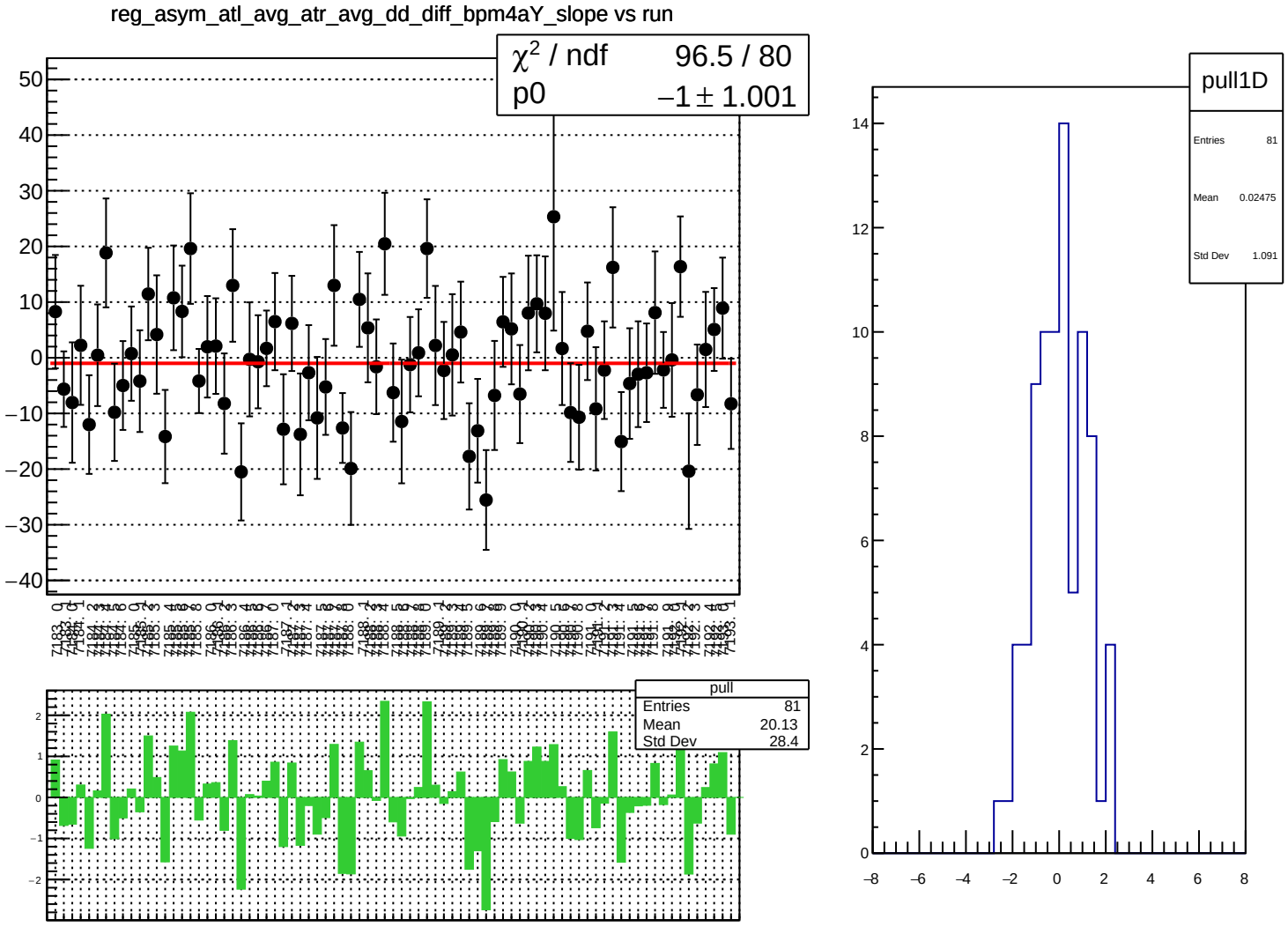

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.12 / 80
p0 52.66 ± 3.983
pull
Entries 81
Mean 347.2
Std Dev 302.7

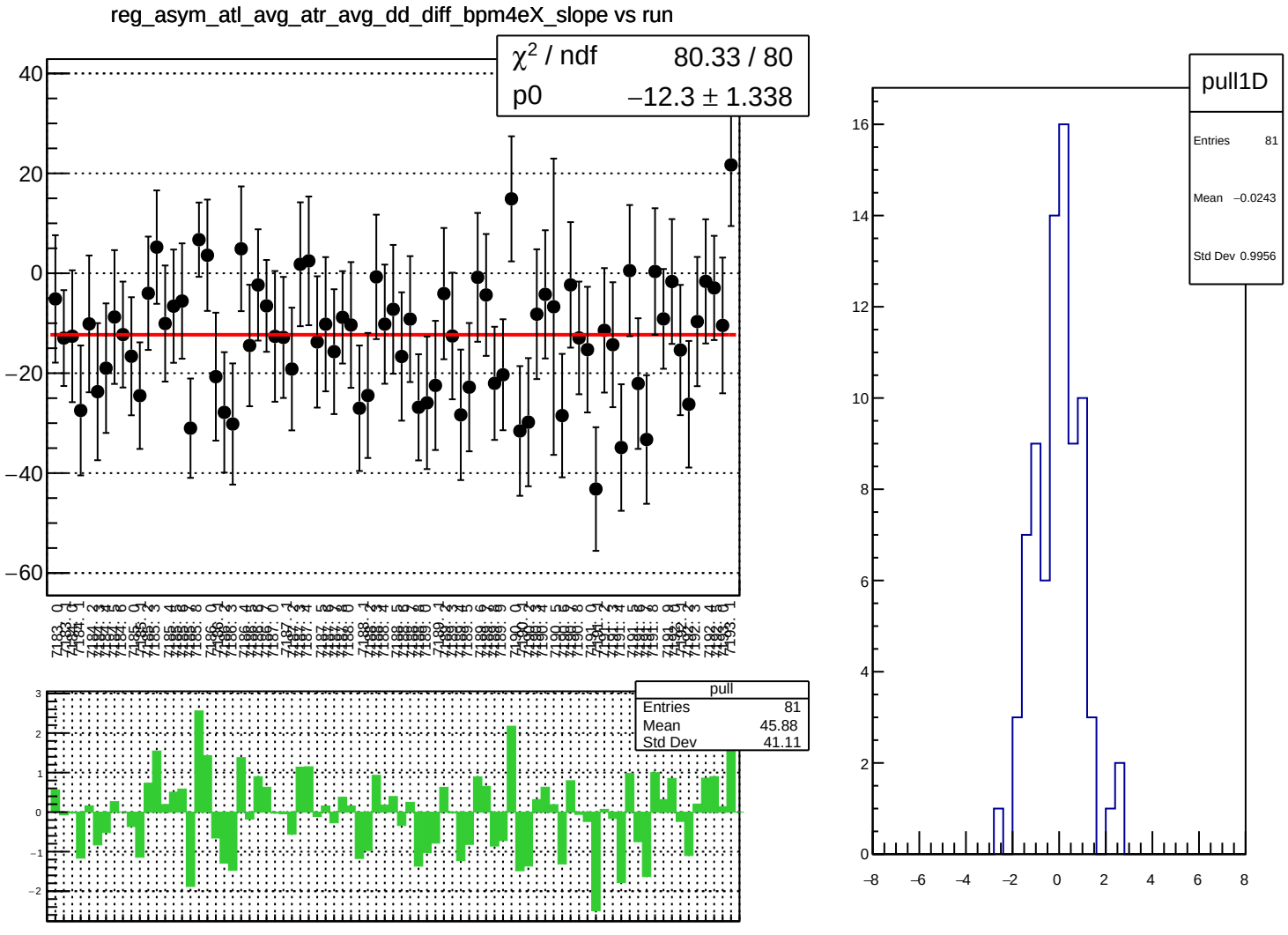

pull1D
Entries 81
Mean −0.01681
Std Dev 0.4458

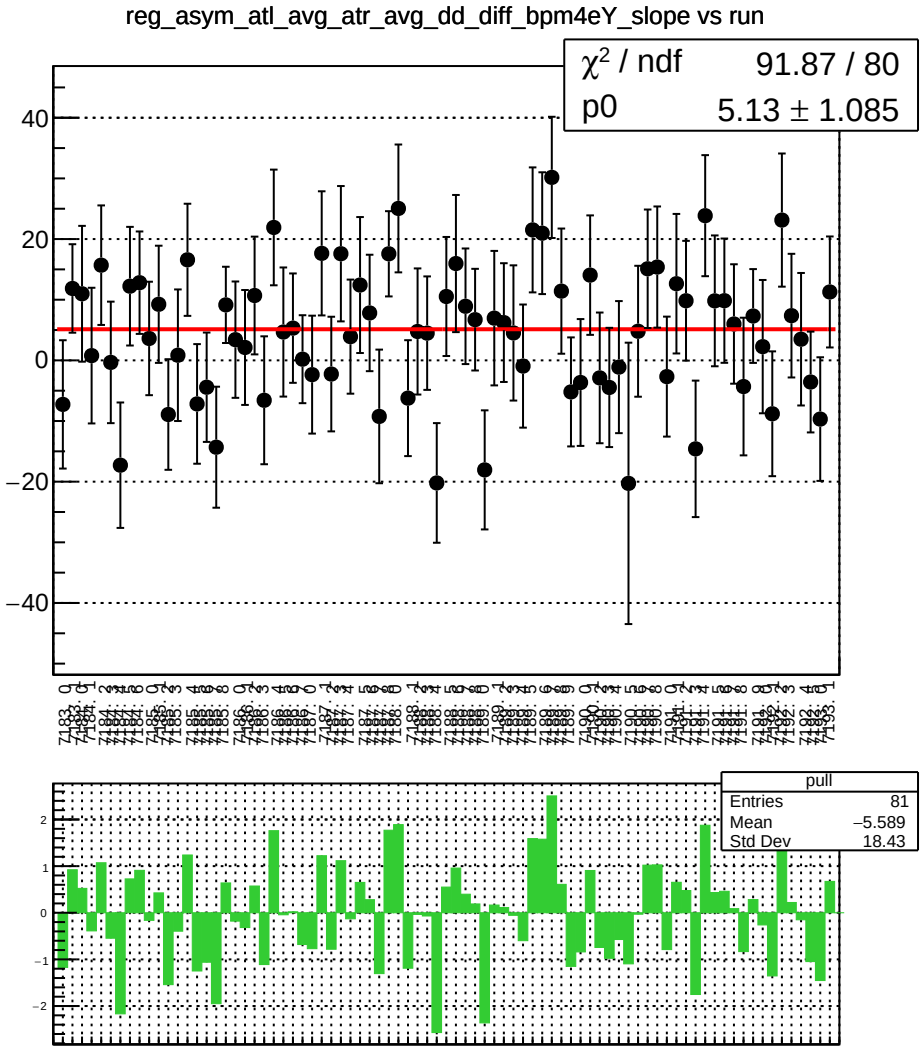

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 18.64 / 80
p0 −145.9 ± 0.1806
−142
−144
−146
−148
−150
pull
Entries 81
Mean −56.94
Std Dev 92.22
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.00441
Std Dev 0.4797
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

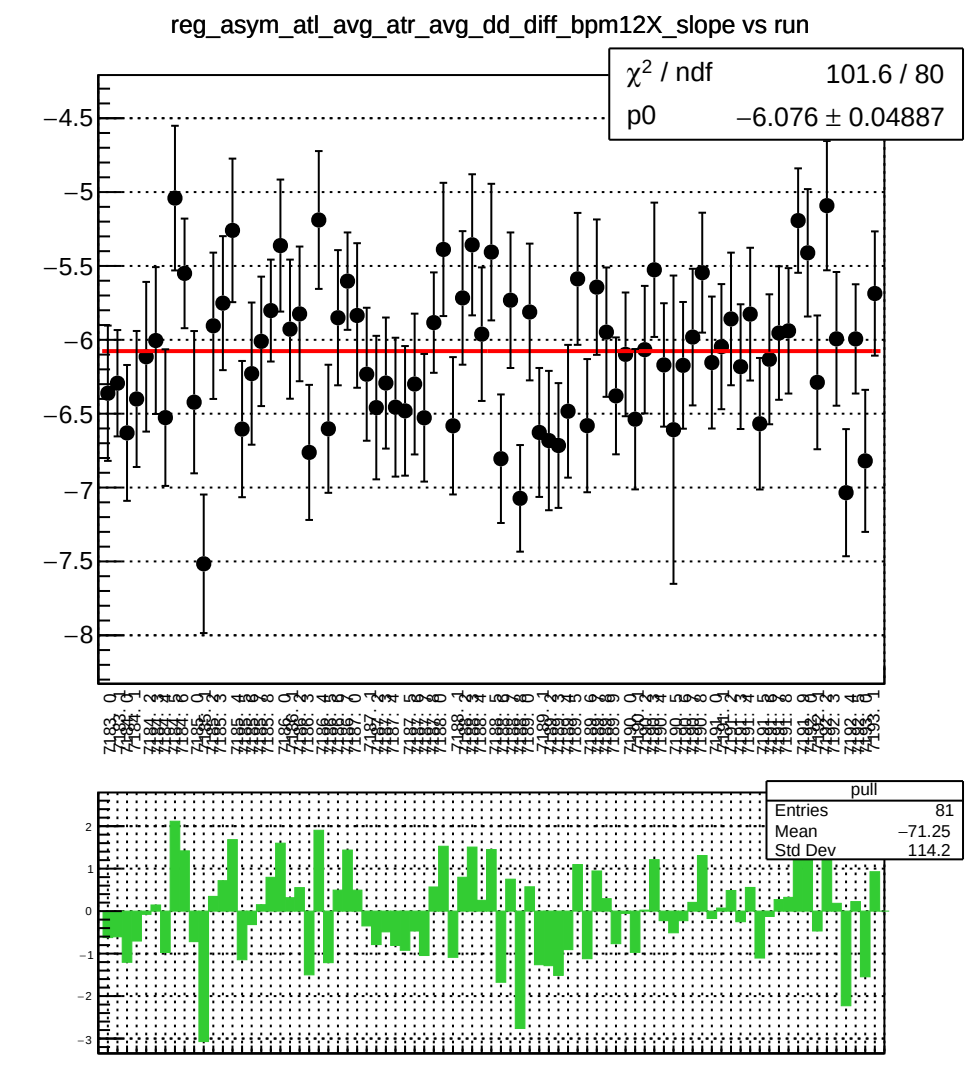

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 76.95 / 80
p0 −6.221 ± 1.336
pull
Entries 81
Mean 44.11
Std Dev 39.94

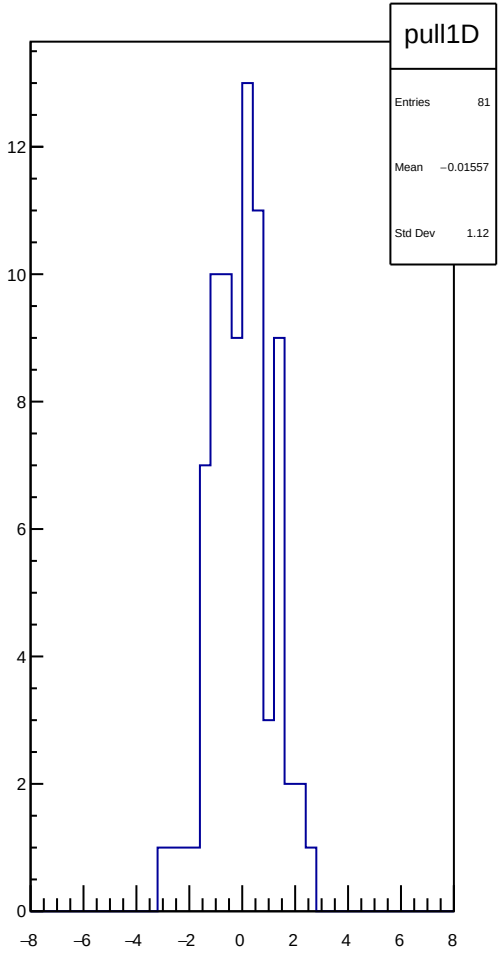

pull1D
Entries 81
Mean 0.02382
Std Dev 0.9744

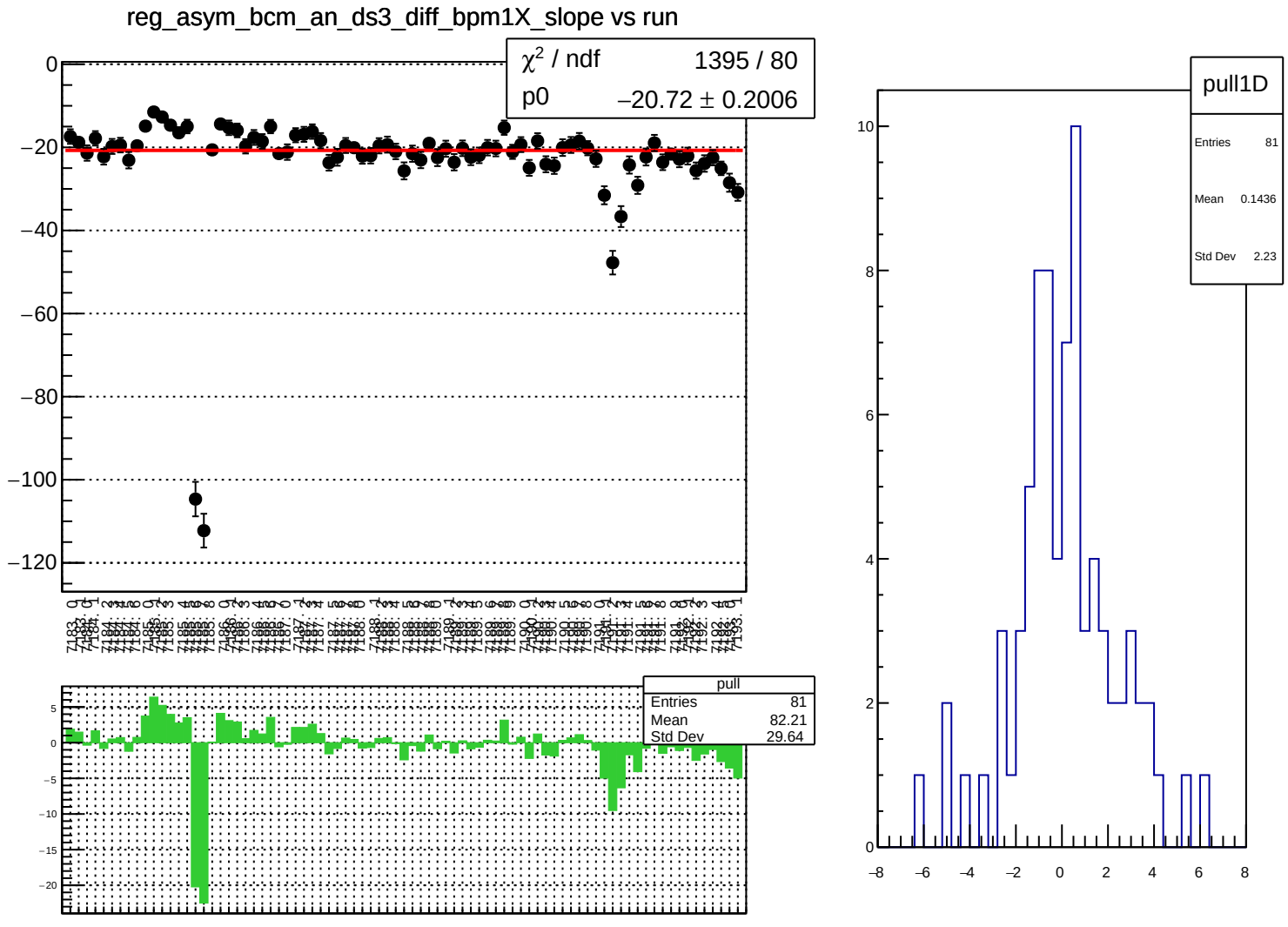

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 96.5 / 80
p0 −1 ± 1.001
pull
Entries 81
Mean 20.13
Std Dev 28.4
pull1D
Entries 81
Mean 0.02475
Std Dev 1.091

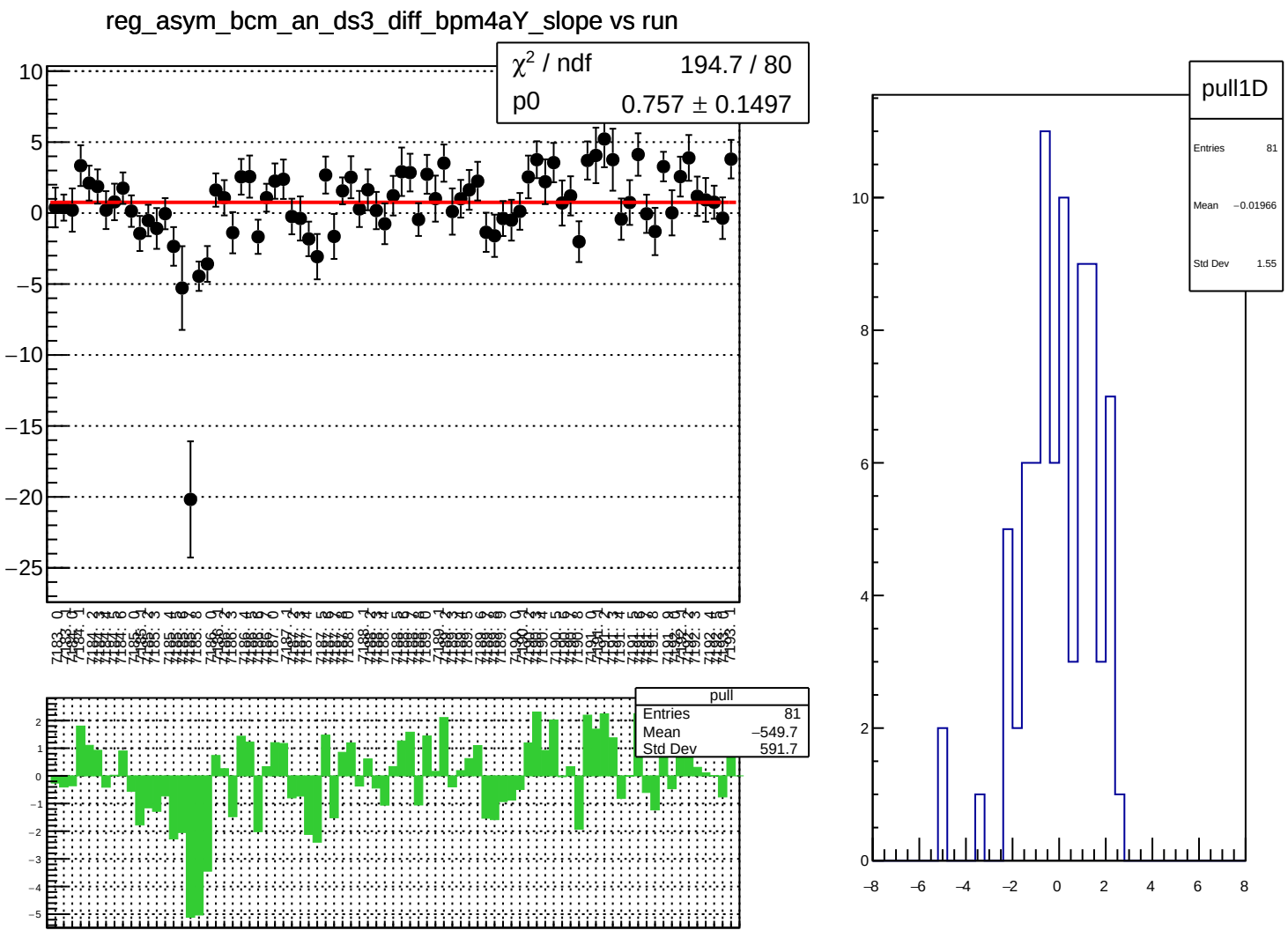

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.33 / 80
p0 −12.3 ± 1.338
pull
Entries 81
Mean 45.88
Std Dev 41.11
pull1D
Entries 81
Mean −0.0243
Std Dev 0.9956

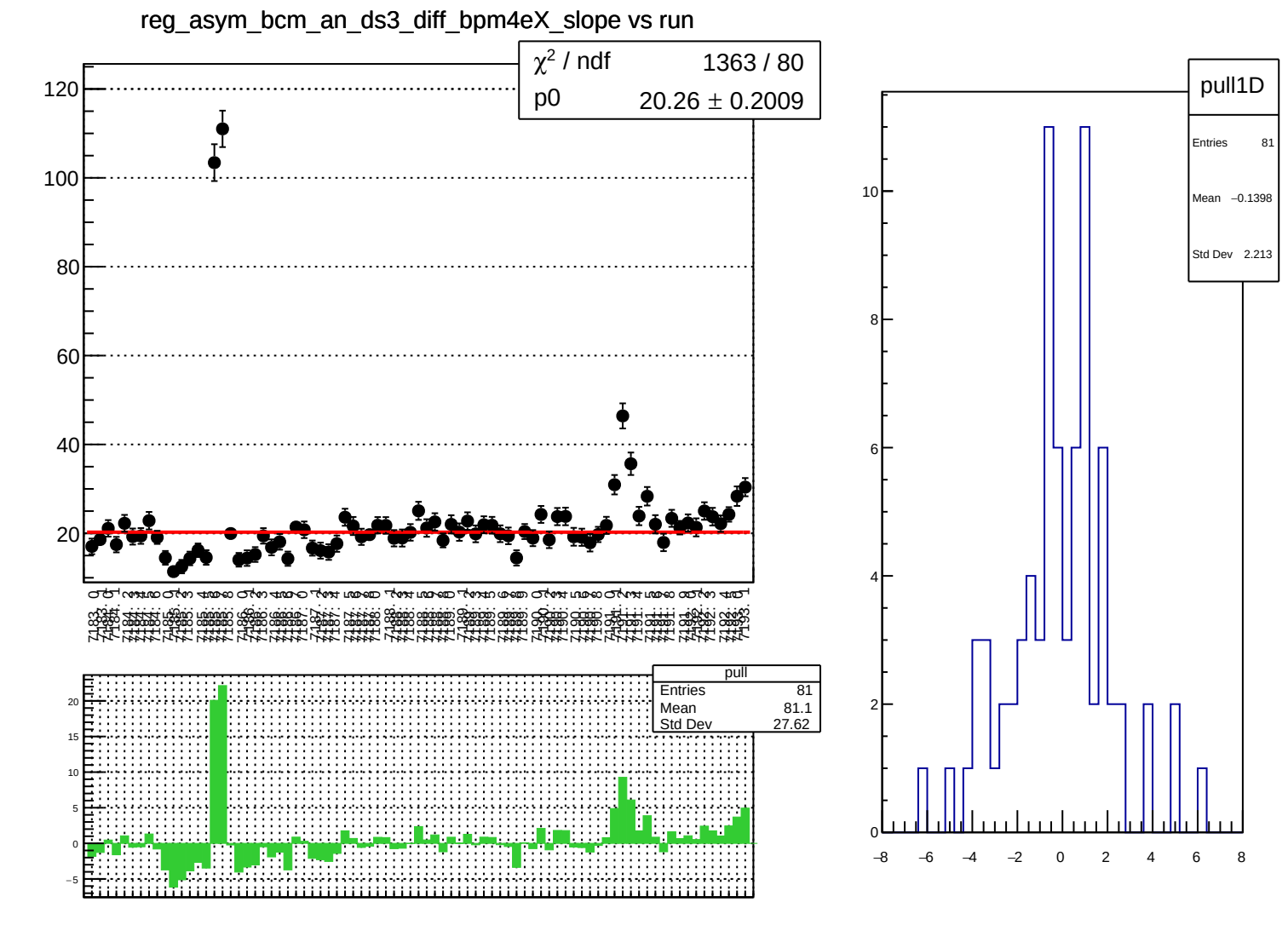

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 91.87 / 80
p0 5.13 ± 1.085
pull
Entries 81
Mean −5.589
Std Dev 18.43
pull1D
Entries 81
Mean −0.02126
Std Dev 1.065

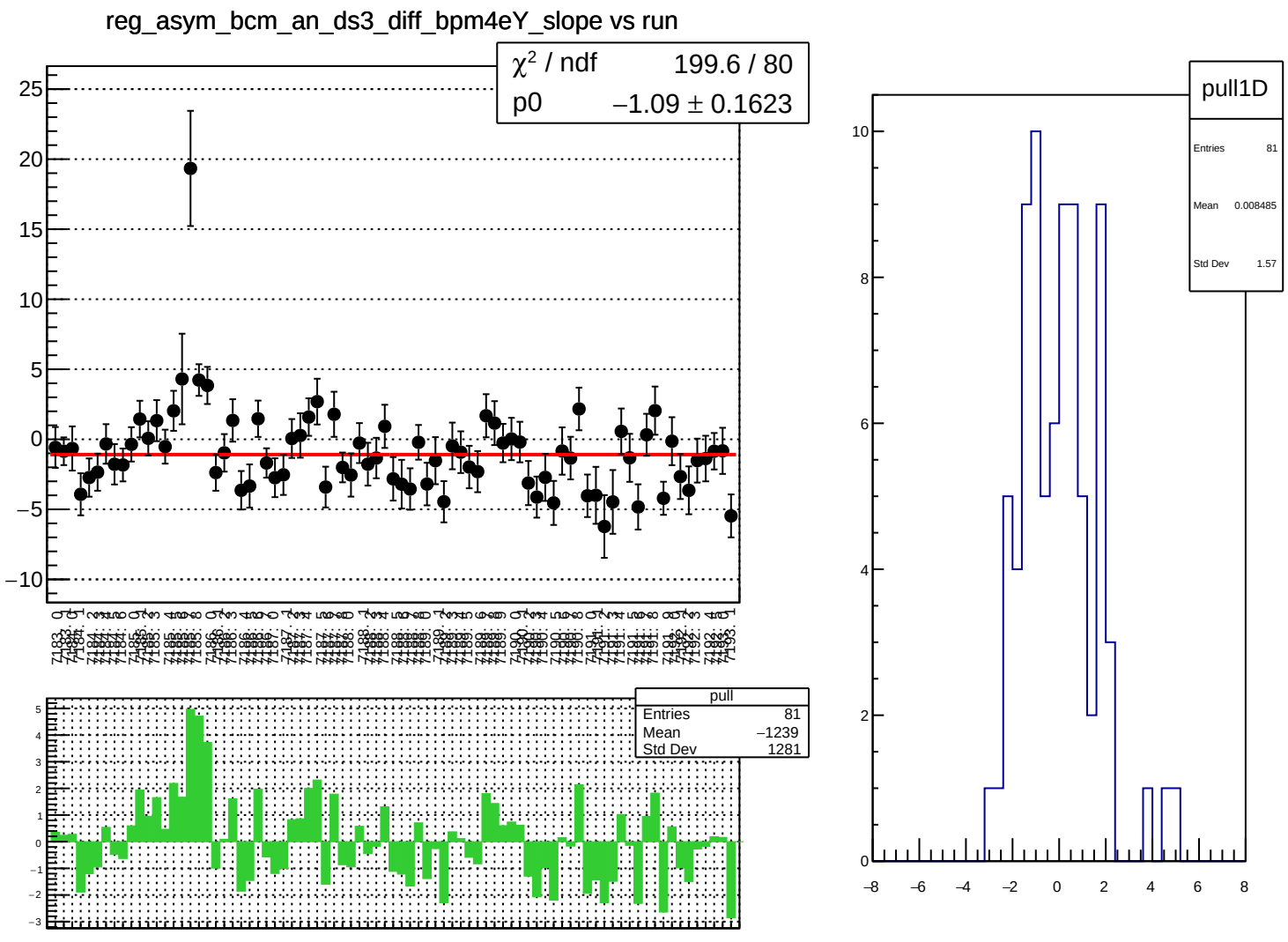

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 101.6 / 80
p0 −6.076 ± 0.04887
pull
Entries 81
Mean −71.25
Std Dev 114.2

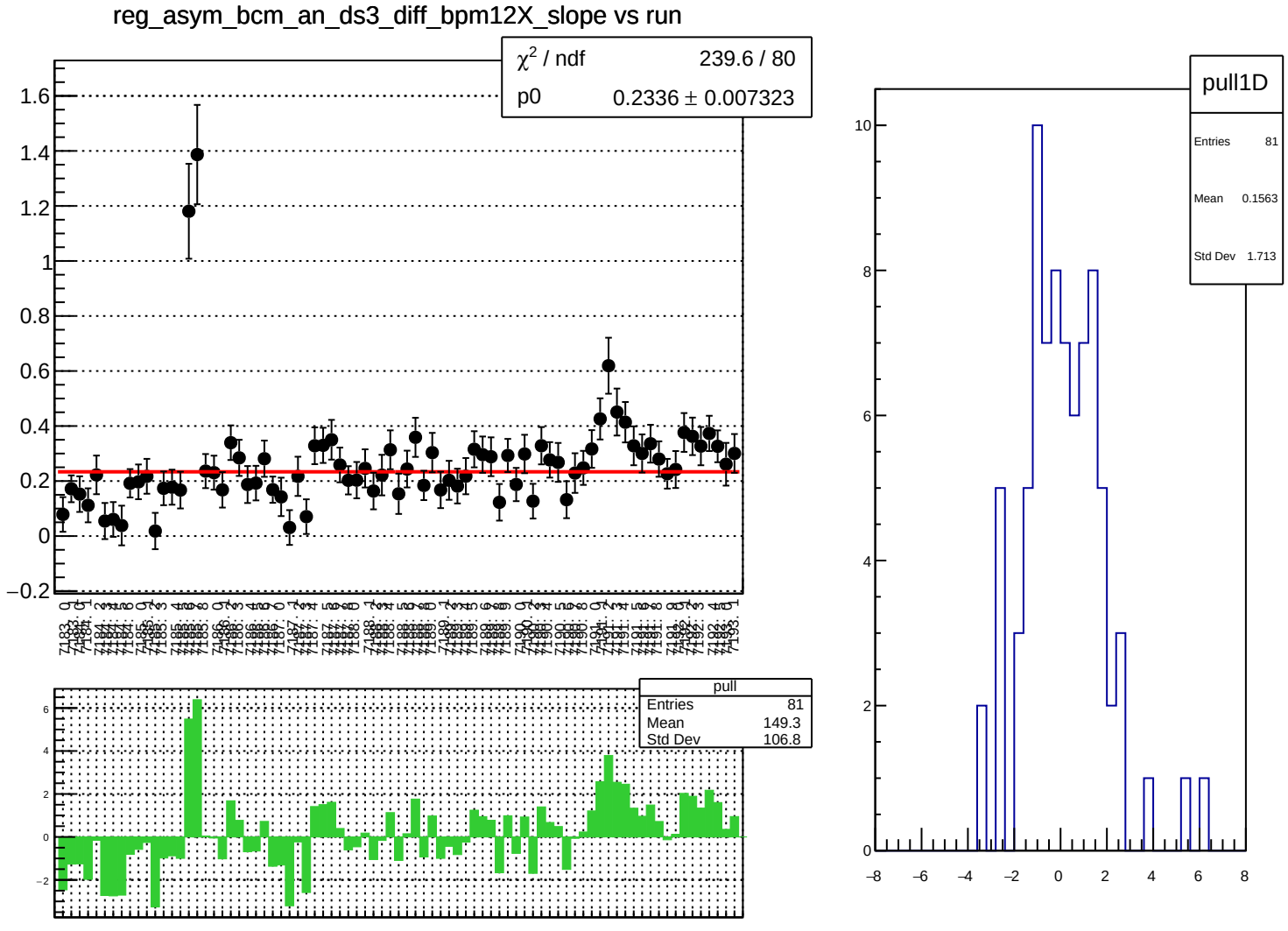

pull1D
Entries 81
Mean −0.01557
Std Dev 1.12

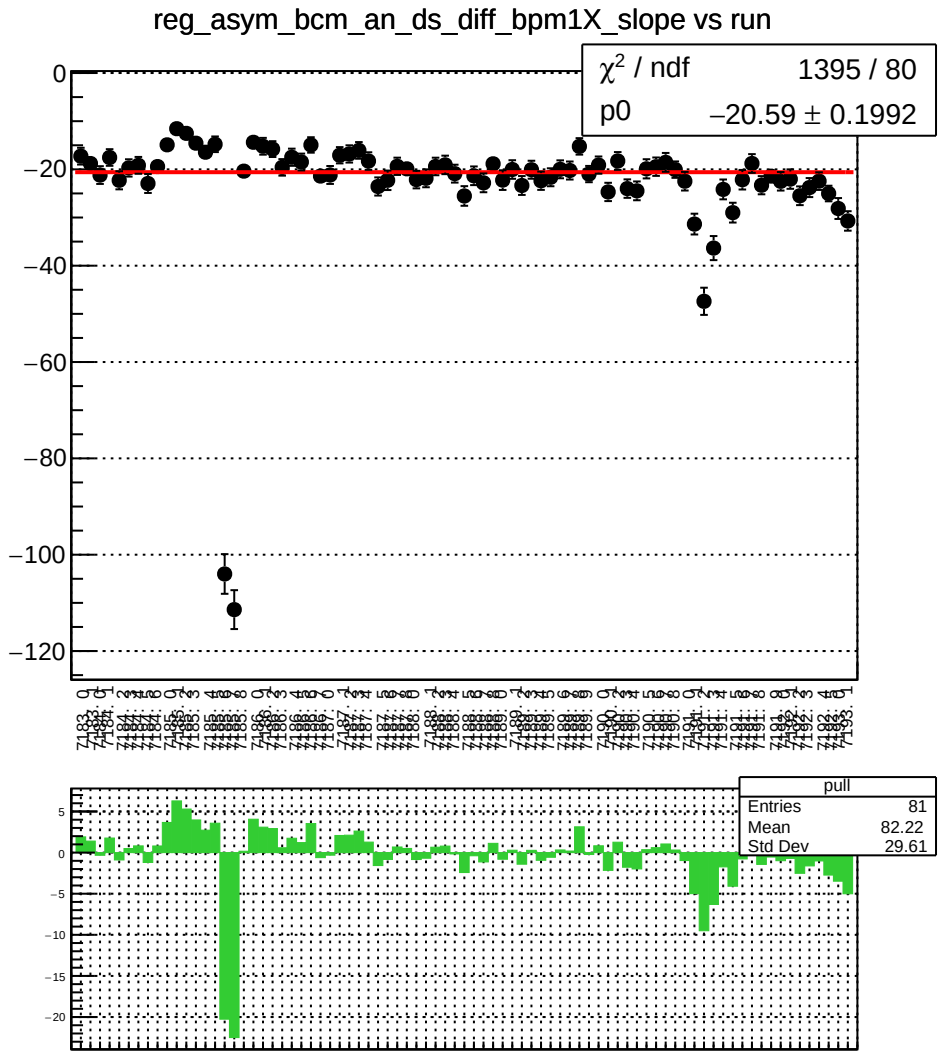

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1395 / 80
p0 −20.72 ± 0.2006
pull
Entries 81
Mean 82.21
Std Dev 29.64
pull1D
Entries 81
Mean 0.1436
Std Dev 2.23

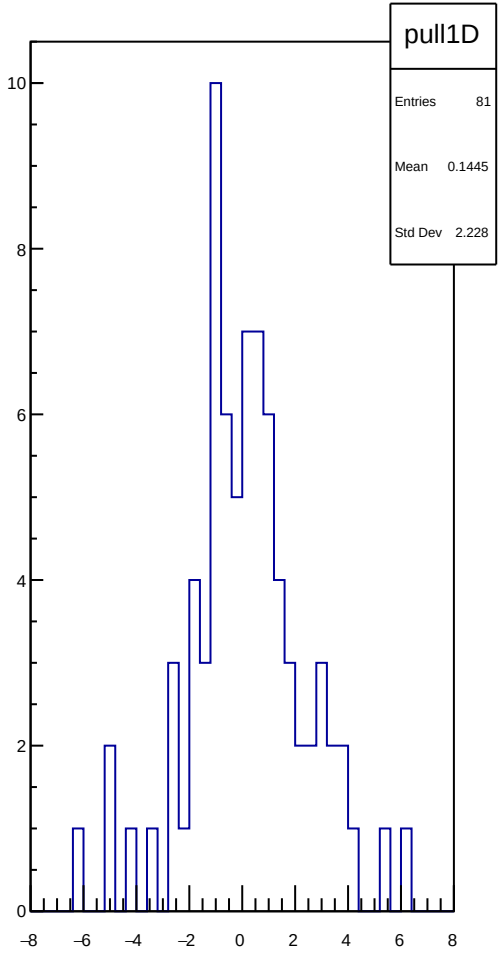

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 194.7 / 80
p0 0.757 ± 0.1497
pull
Entries 81
Mean −549.7
Std Dev 591.7
pull1D
Entries 81
Mean −0.01966
Std Dev 1.55

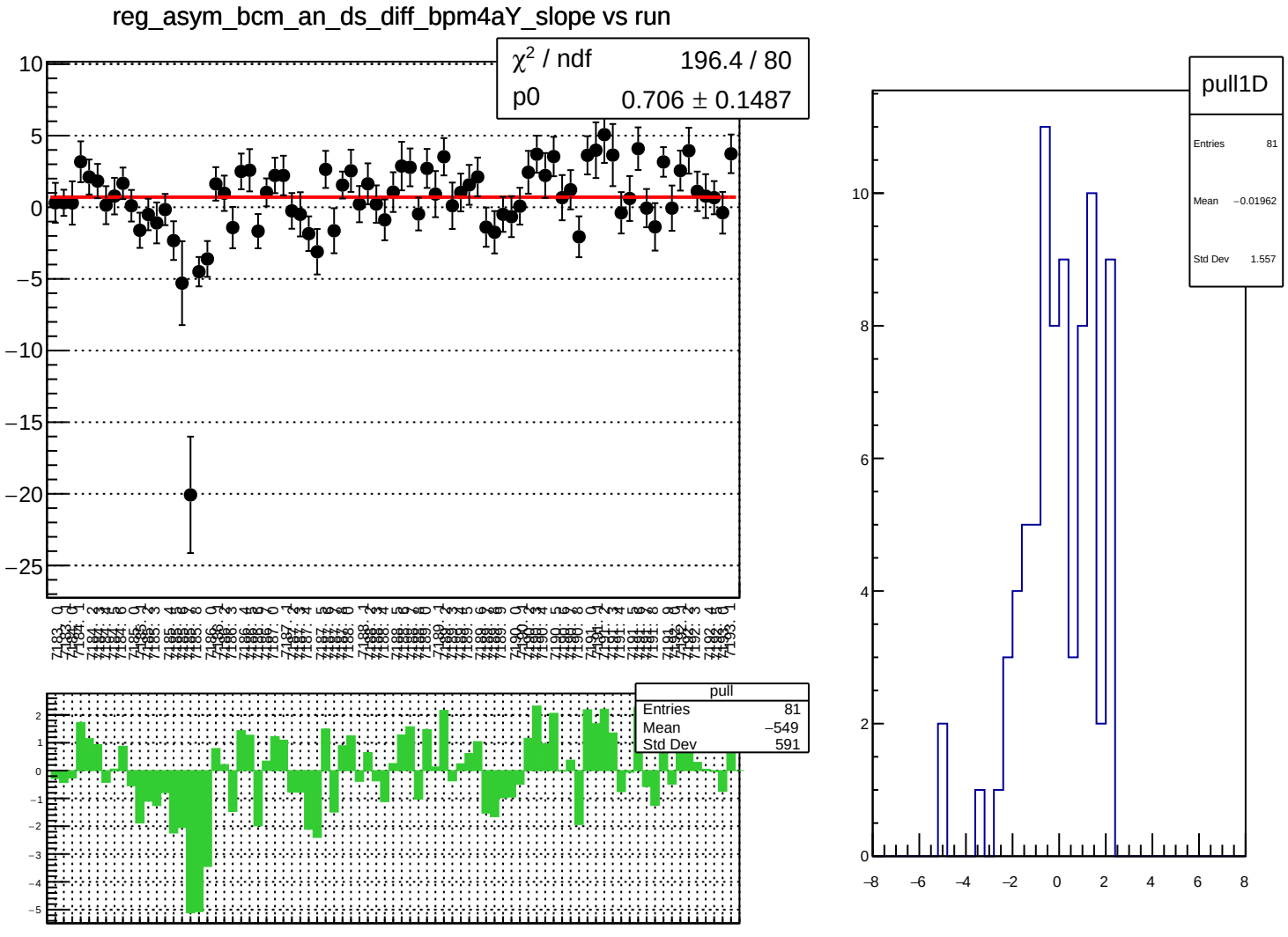

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1363 / 80
p0 20.26 ± 0.2009
pull
Entries 81
Mean 81.1
Std Dev 27.62
pull1D
Entries 81
Mean −0.1398
Std Dev 2.213

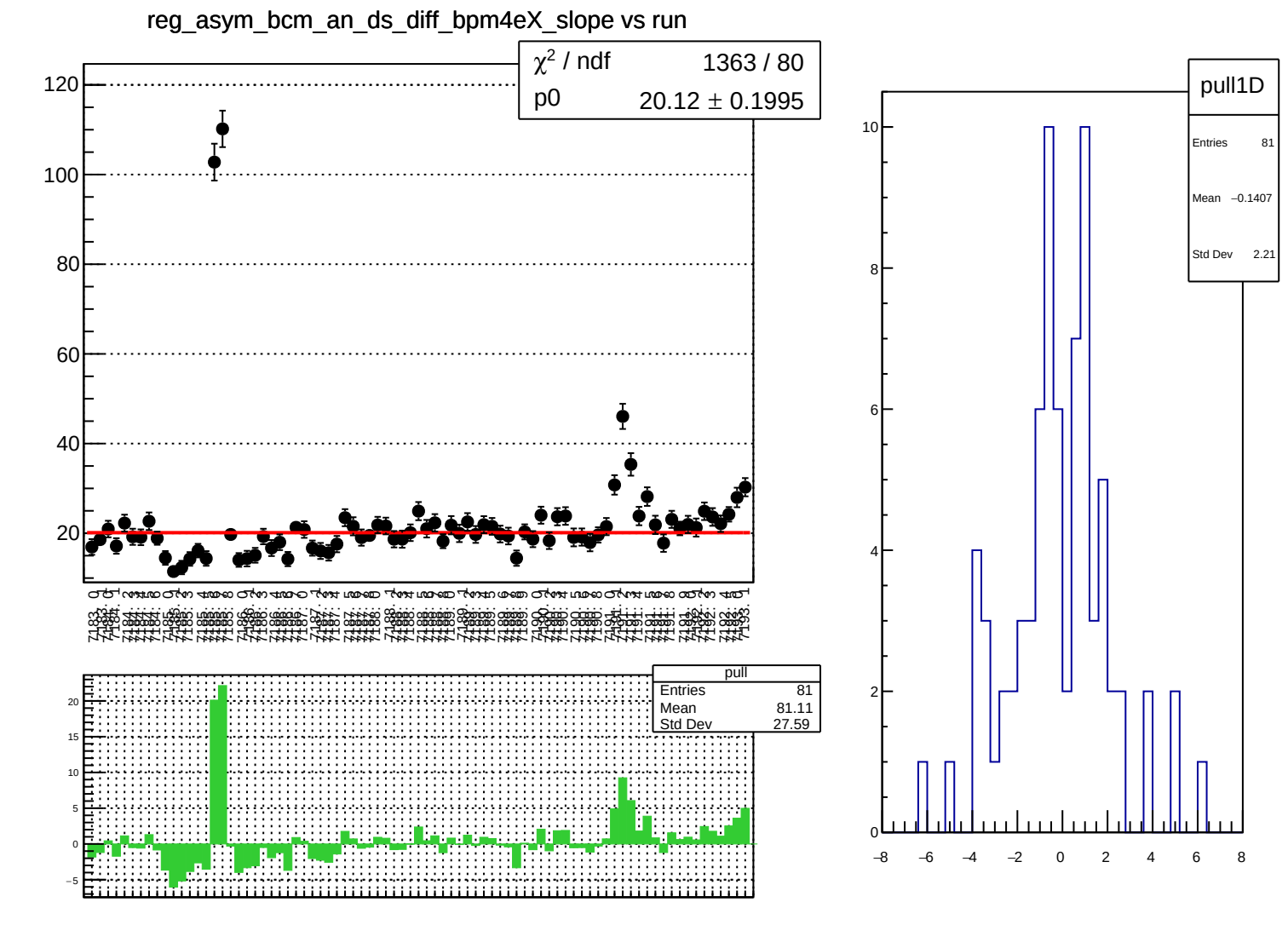

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 199.6 / 80
p0 −1.09 ± 0.1623
pull
Entries 81
Mean −1239
Std Dev 1281
pull1D
Entries 81
Mean 0.008485
Std Dev 1.57

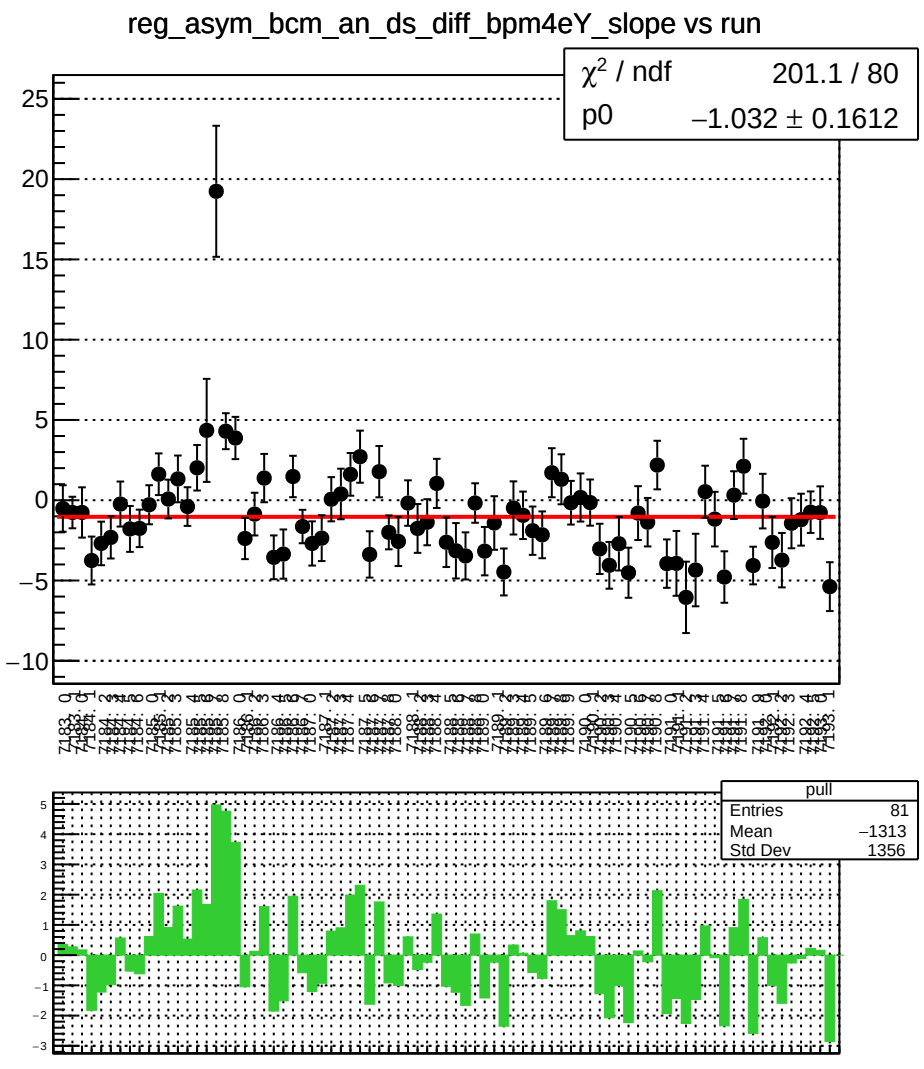

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 239.6 / 80
p0 0.2336 ± 0.007323
pull
Entries 81
Mean 149.3
Std Dev 106.8
pull1D
Entries 81
Mean 0.1563
Std Dev 1.713

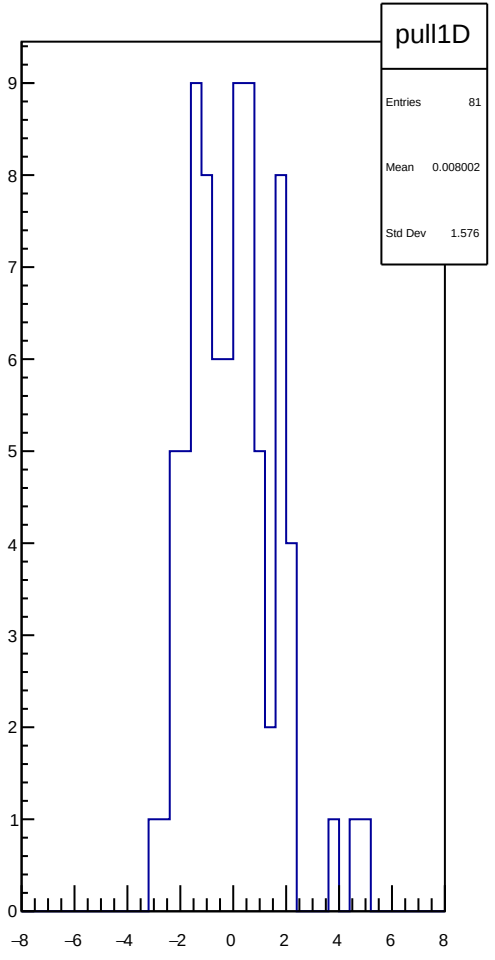

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1395 / 80
p0 −20.59 ± 0.1992
pull
Entries 81
Mean 82.22
Std Dev 29.61

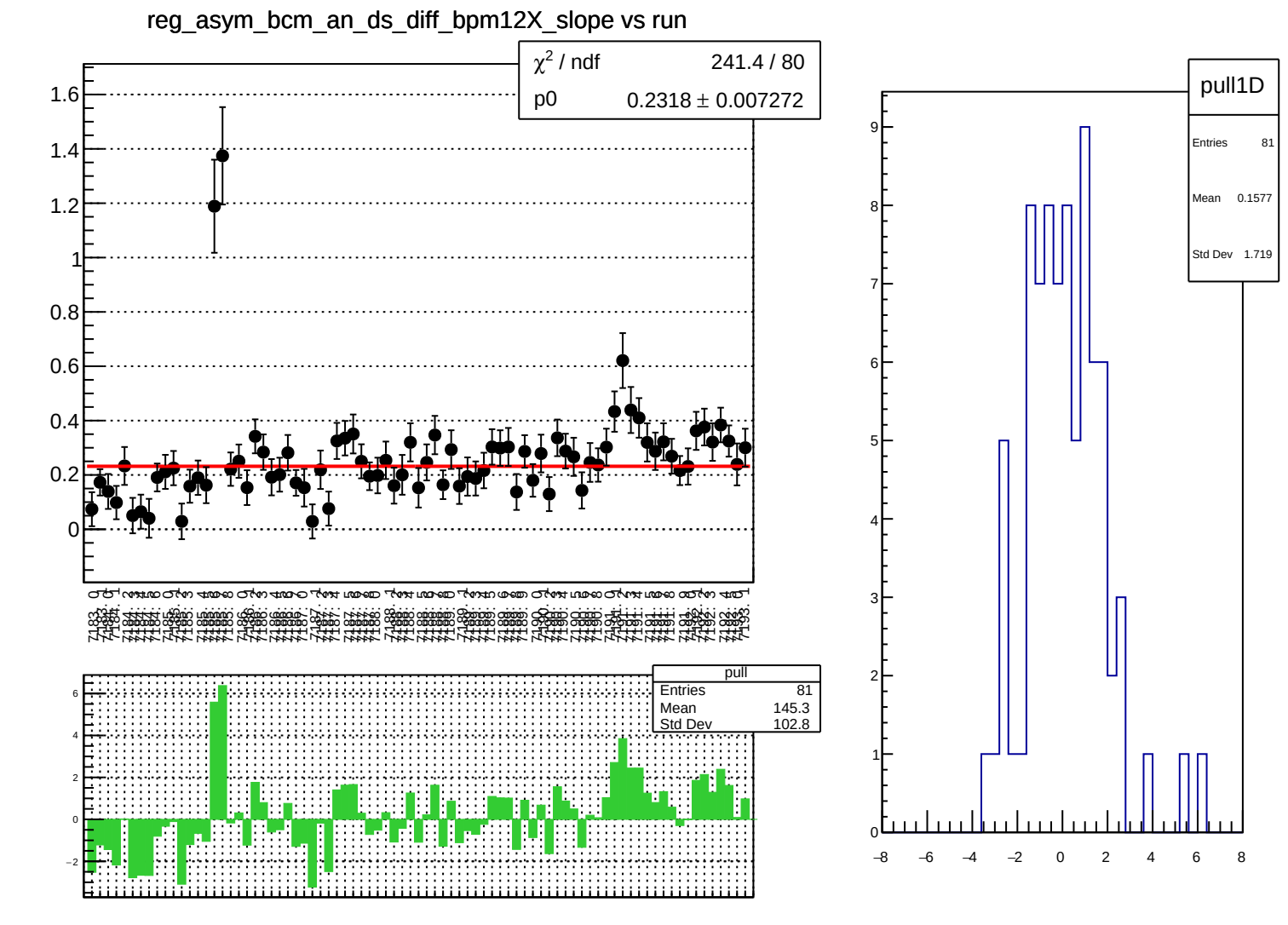

pull1D
Entries 81
Mean 0.1445
Std Dev 2.228

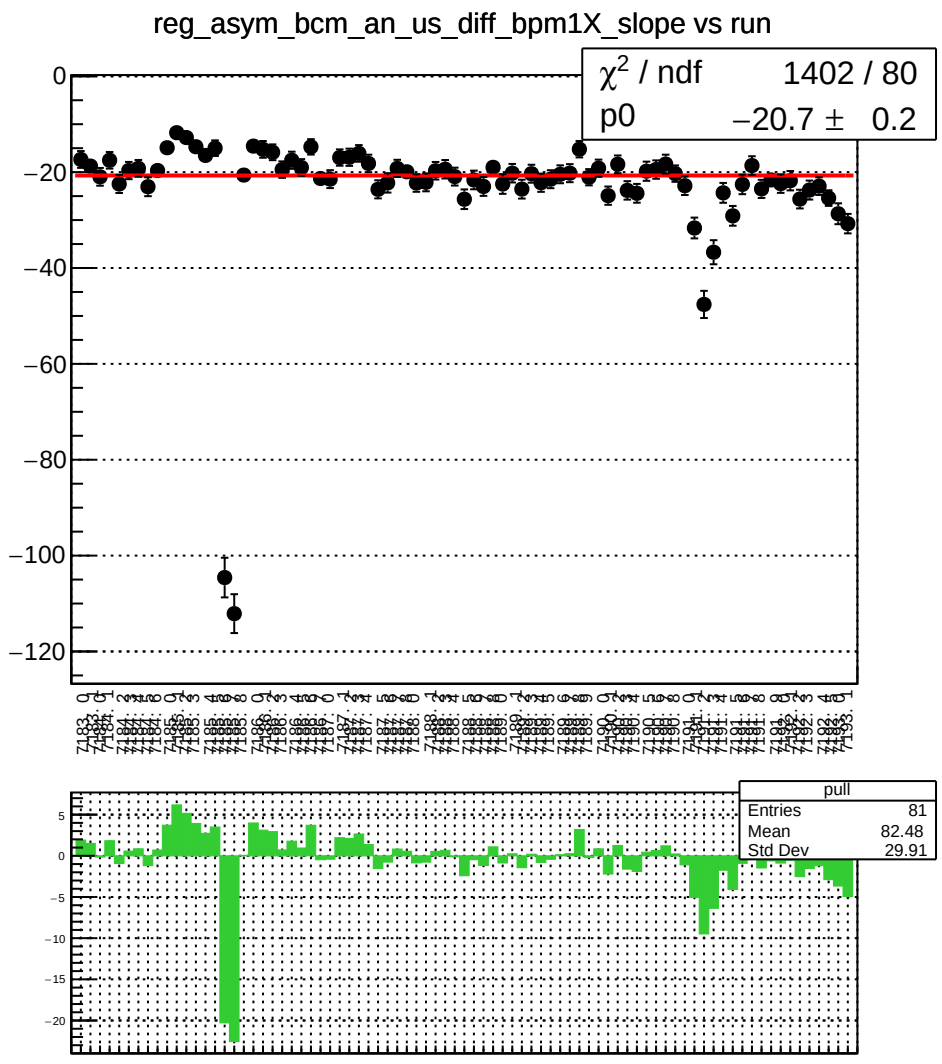

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 196.4 / 80
p0 0.706 ± 0.1487
pull
Entries 81
Mean −549
Std Dev 591
pull1D
Entries 81
Mean −0.01962
Std Dev 1.557

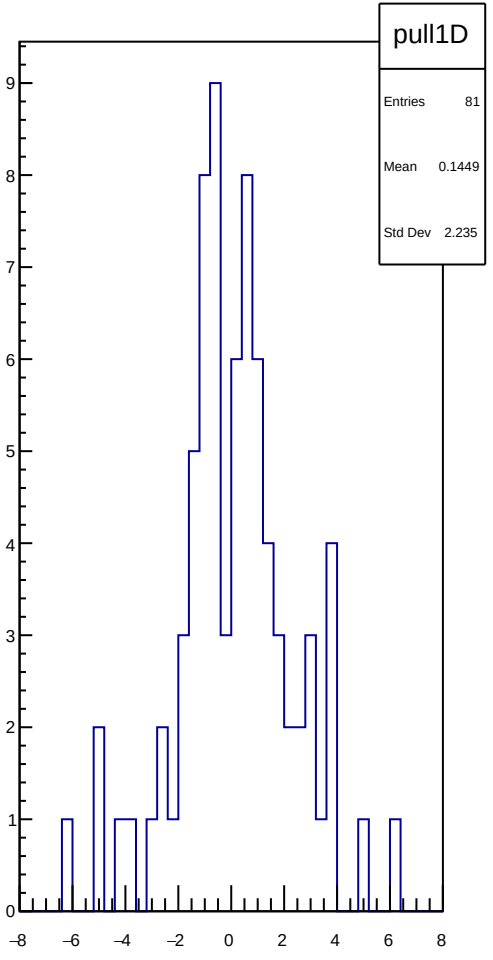

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1363 / 80
p0 20.12 ± 0.1995
120
100
80
60
40
20
pull
Entries 81
Mean 81.11
Std Dev 27.59
20
15
10
5
0
−5
pull1D
Entries 81
Mean −0.1407
Std Dev 2.21
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

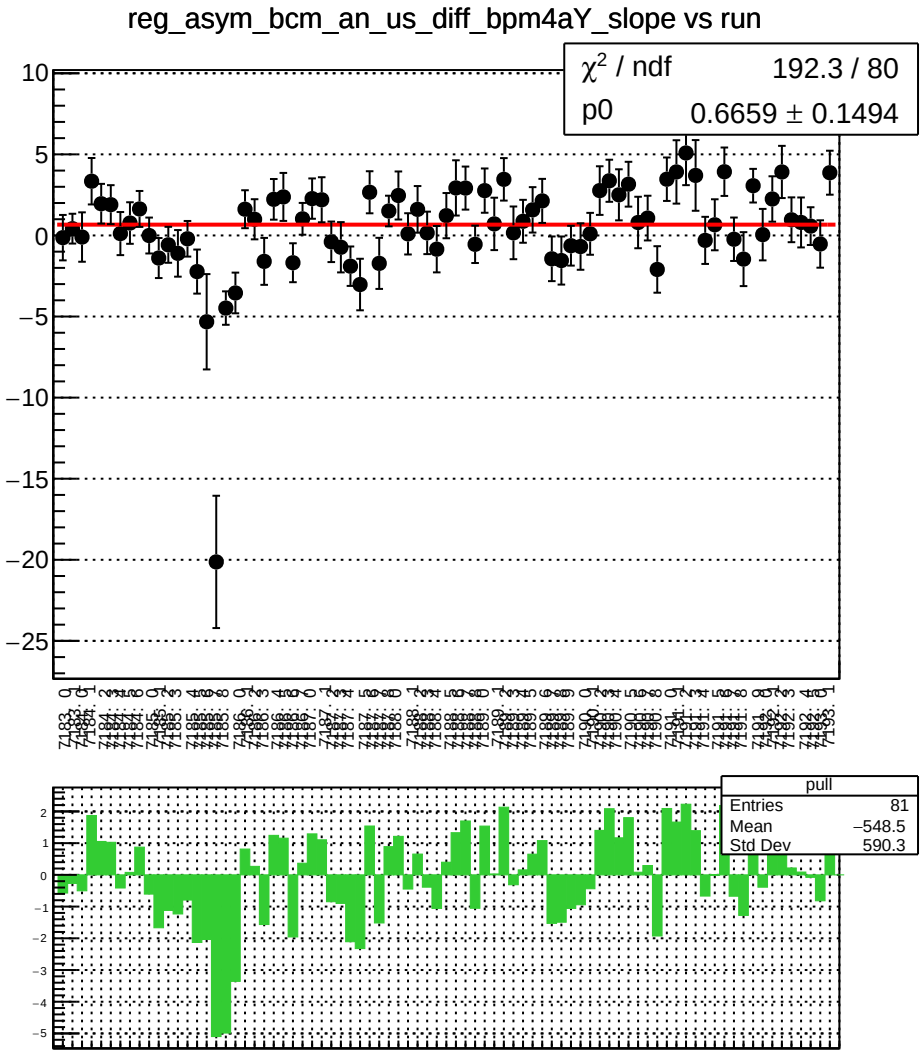

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 201.1 / 80
p0 −1.032 ± 0.1612
pull
Entries 81
Mean −1313
Std Dev 1356

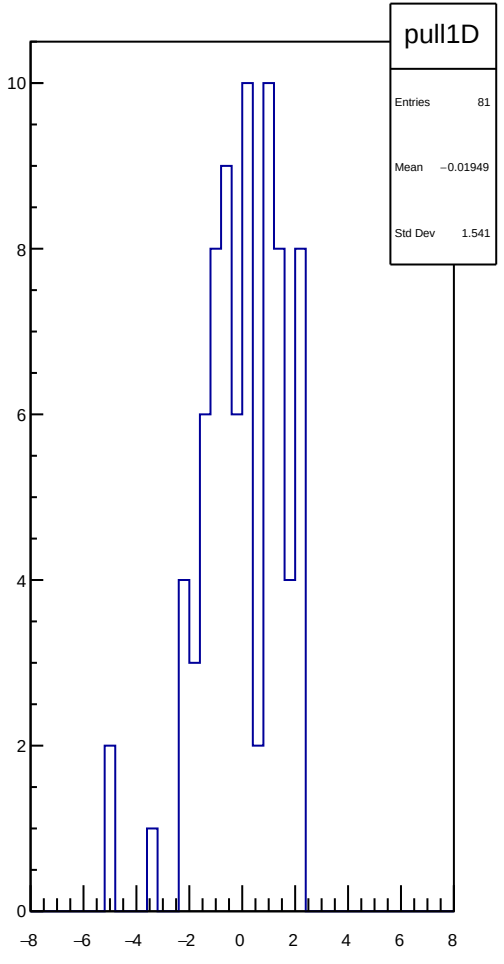

pull1D
Entries 81
Mean 0.008002
Std Dev 1.576

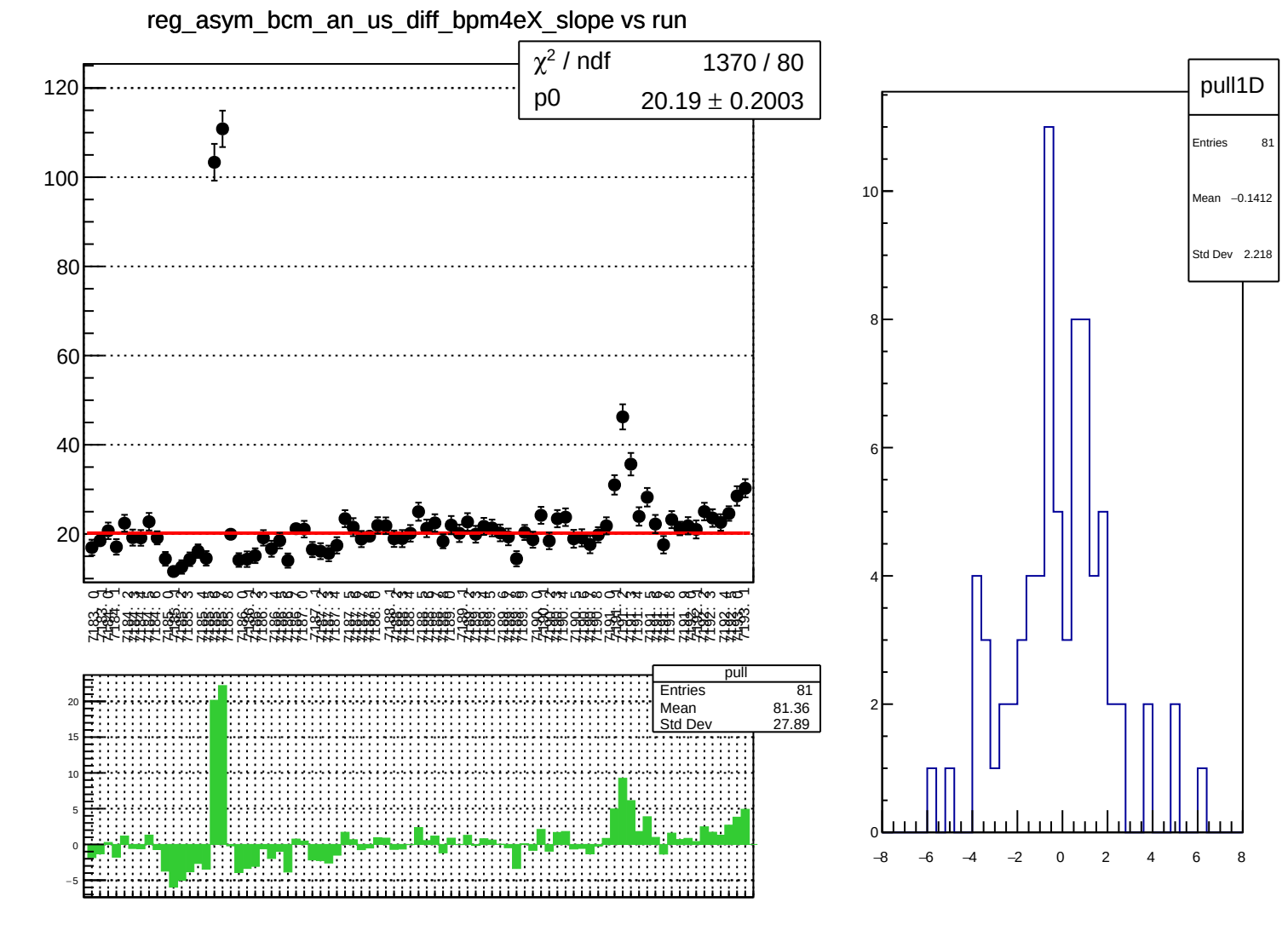

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 241.4 / 80
p0 0.2318 ± 0.007272
pull
Entries 81
Mean 145.3
Std Dev 102.8
pull1D
Entries 81
Mean 0.1577
Std Dev 1.719

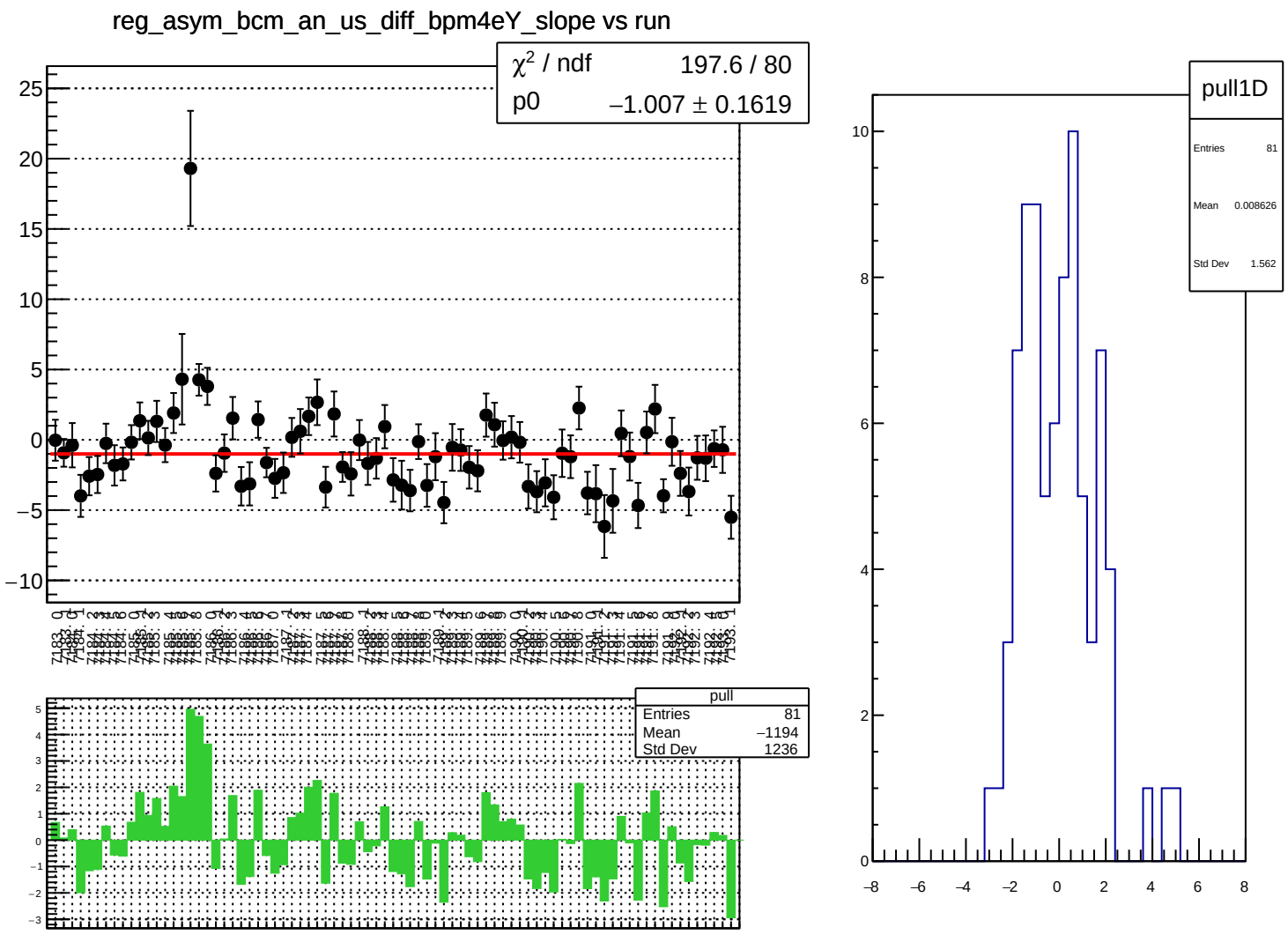

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1402 / 80
p0 −20.7 ± 0.2
pull
Entries 81
Mean 82.48
Std Dev 29.91

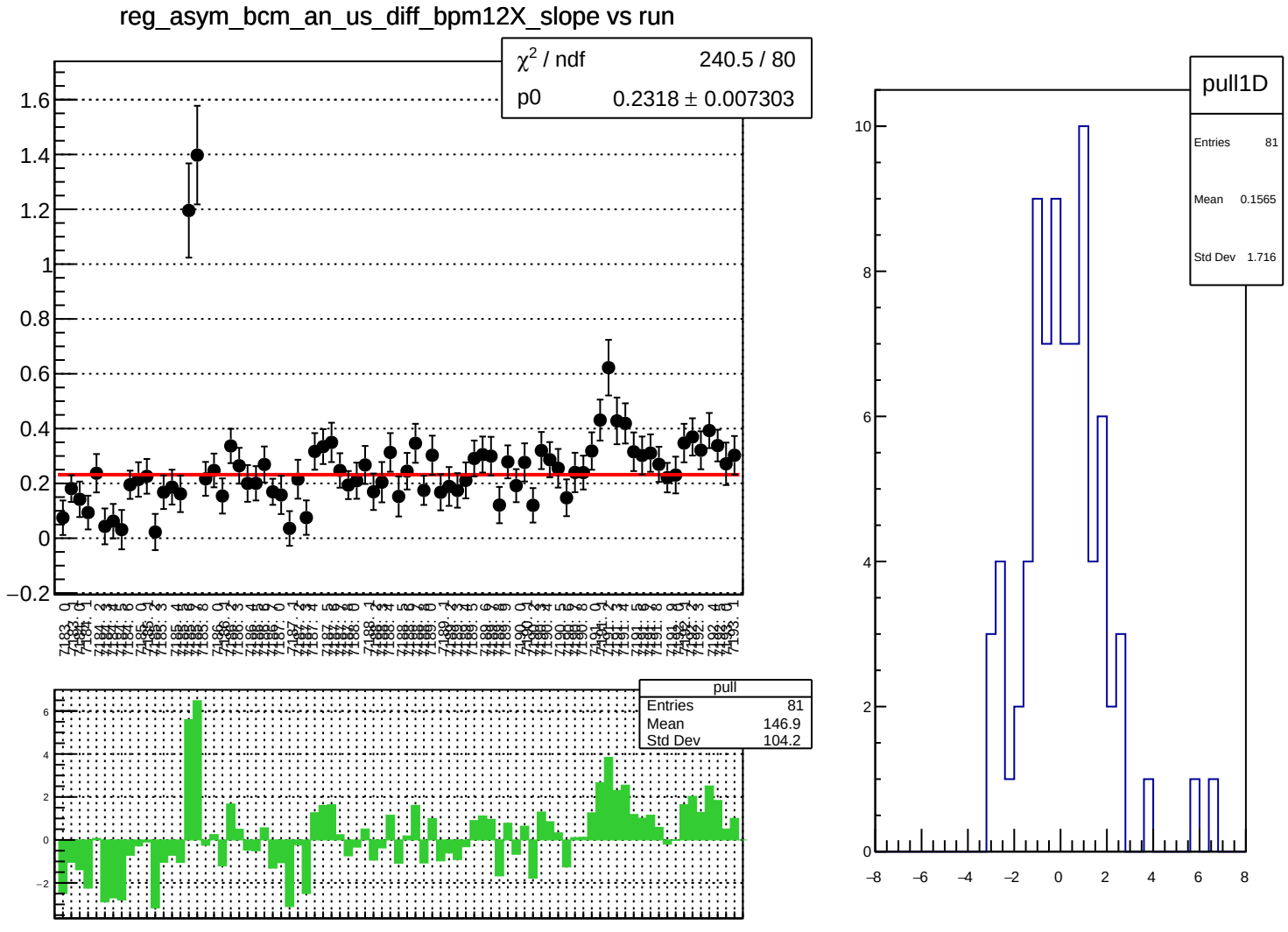

pull1D
Entries 81
Mean 0.1449
Std Dev 2.235

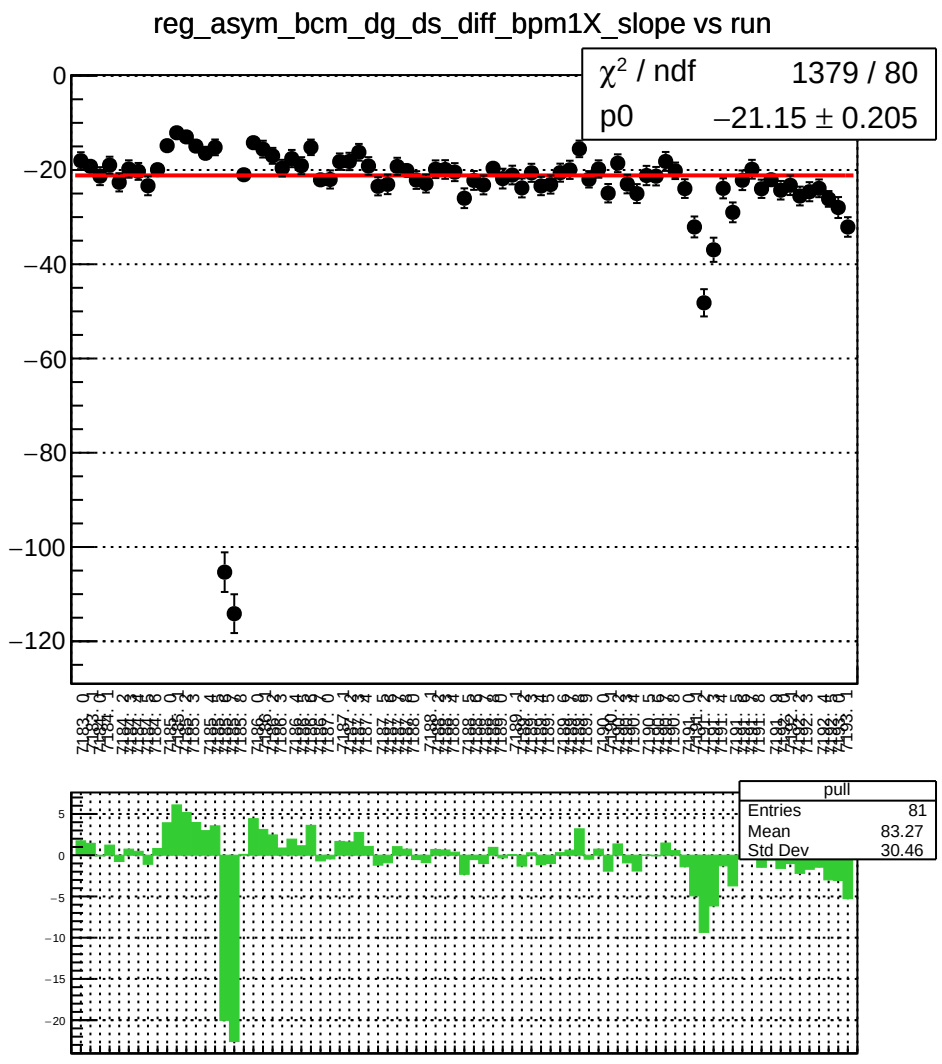

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 192.3 / 80
p0 0.6659 ± 0.1494
pull
Entries 81
Mean −548.5
Std Dev 590.3

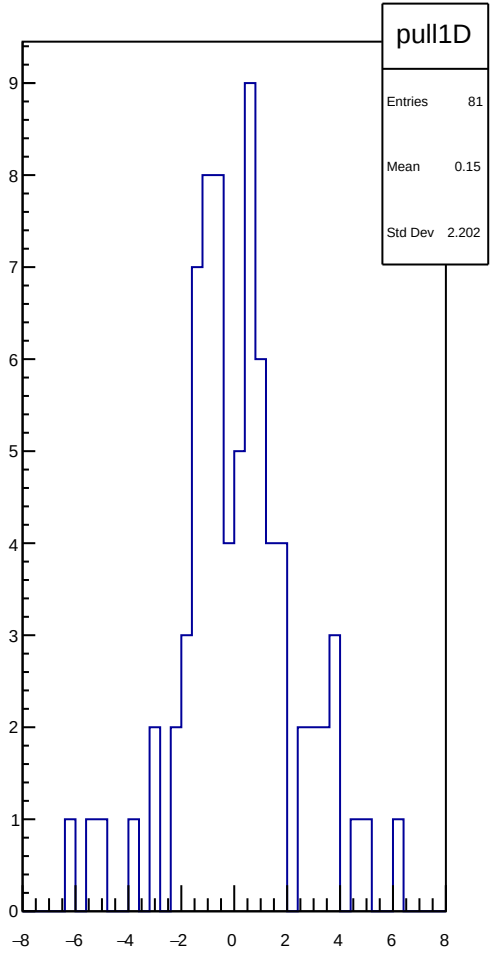

pull1D
Entries 81
Mean −0.01949
Std Dev 1.541

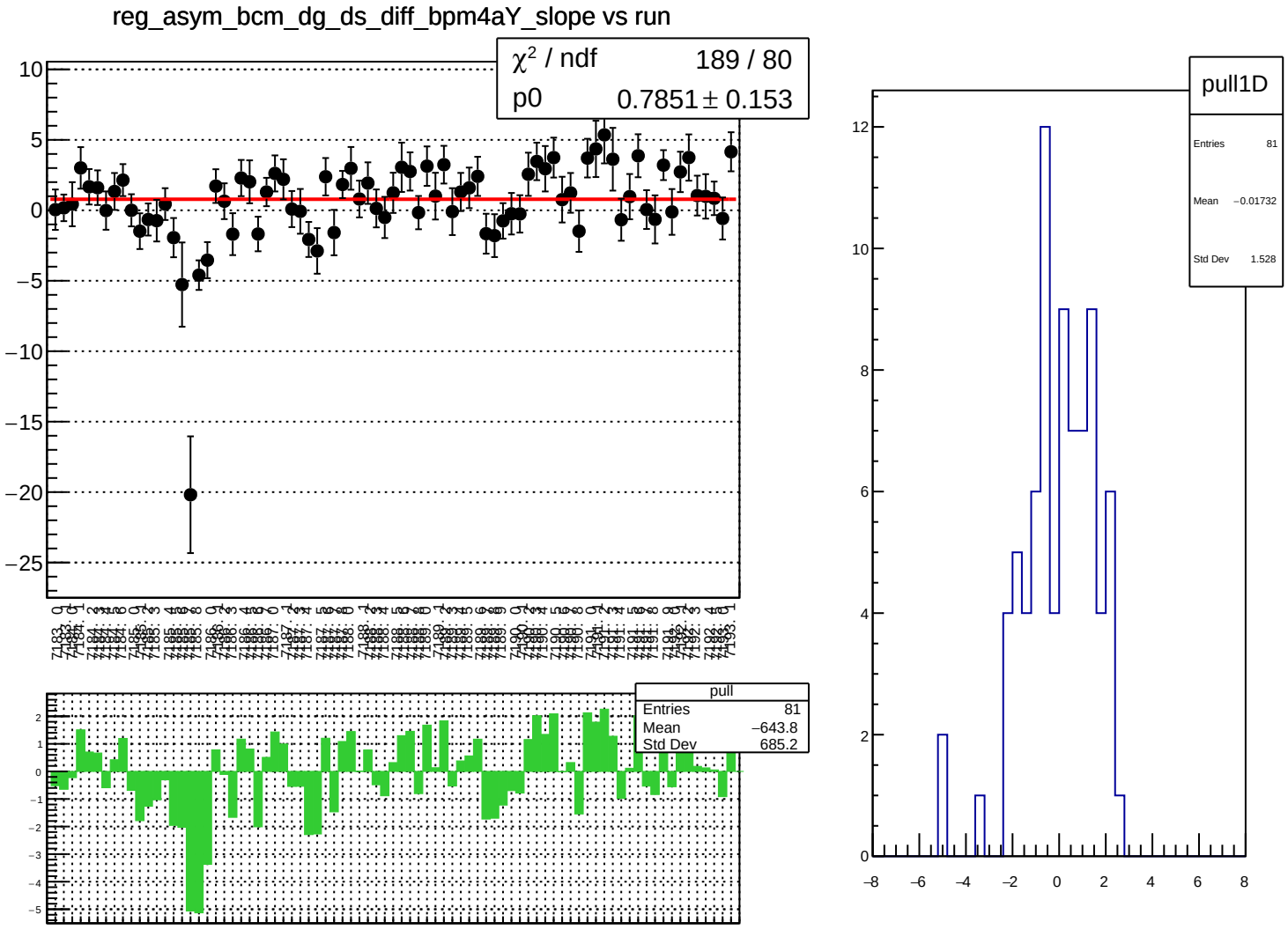

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1370 / 80
p0 20.19 ± 0.2003
120
100
80
60
40
20
pull
Entries 81
Mean 81.36
Std Dev 27.89
20
15
10
5
0
−5
pull1D
Entries 81
Mean −0.1412
Std Dev 2.218
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

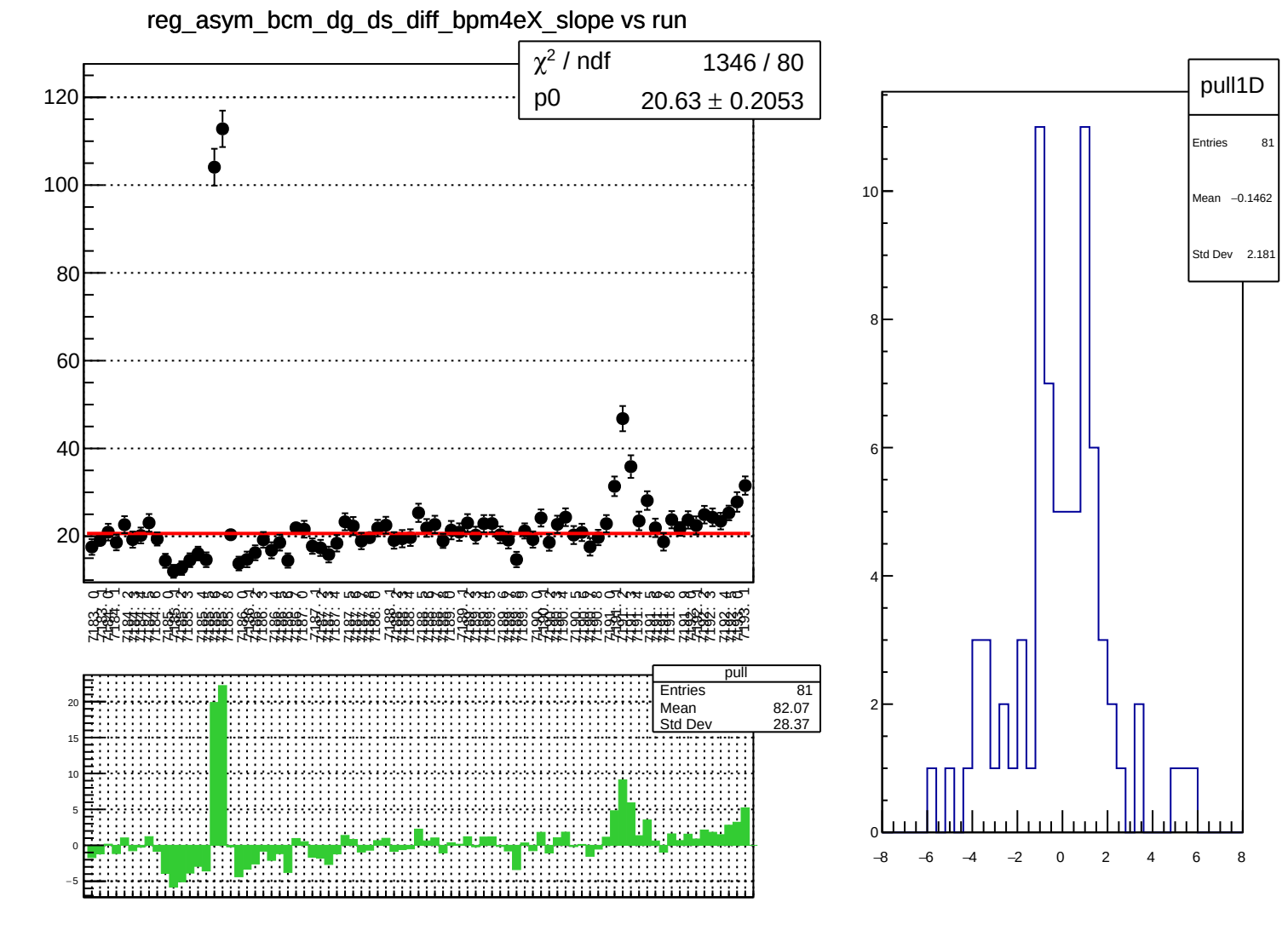

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 197.6 / 80
p0 −1.007 ± 0.1619
pull
Entries 81
Mean −1194
Std Dev 1236
pull1D
Entries 81
Mean 0.008626
Std Dev 1.562

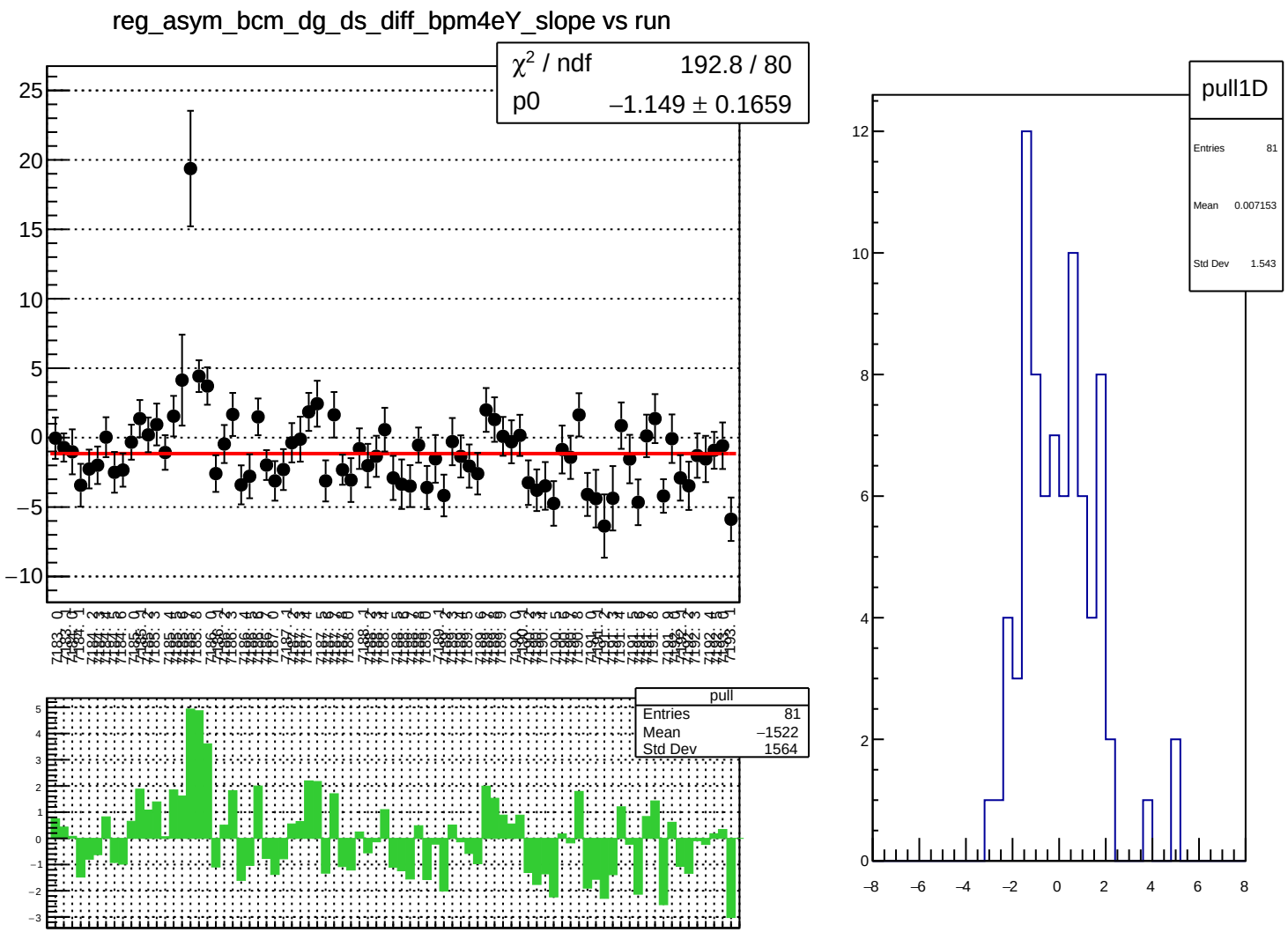

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 240.5 / 80
p0 0.2318 ± 0.007303
pull
Entries 81
Mean 146.9
Std Dev 104.2
pull1D
Entries 81
Mean 0.1565
Std Dev 1.716

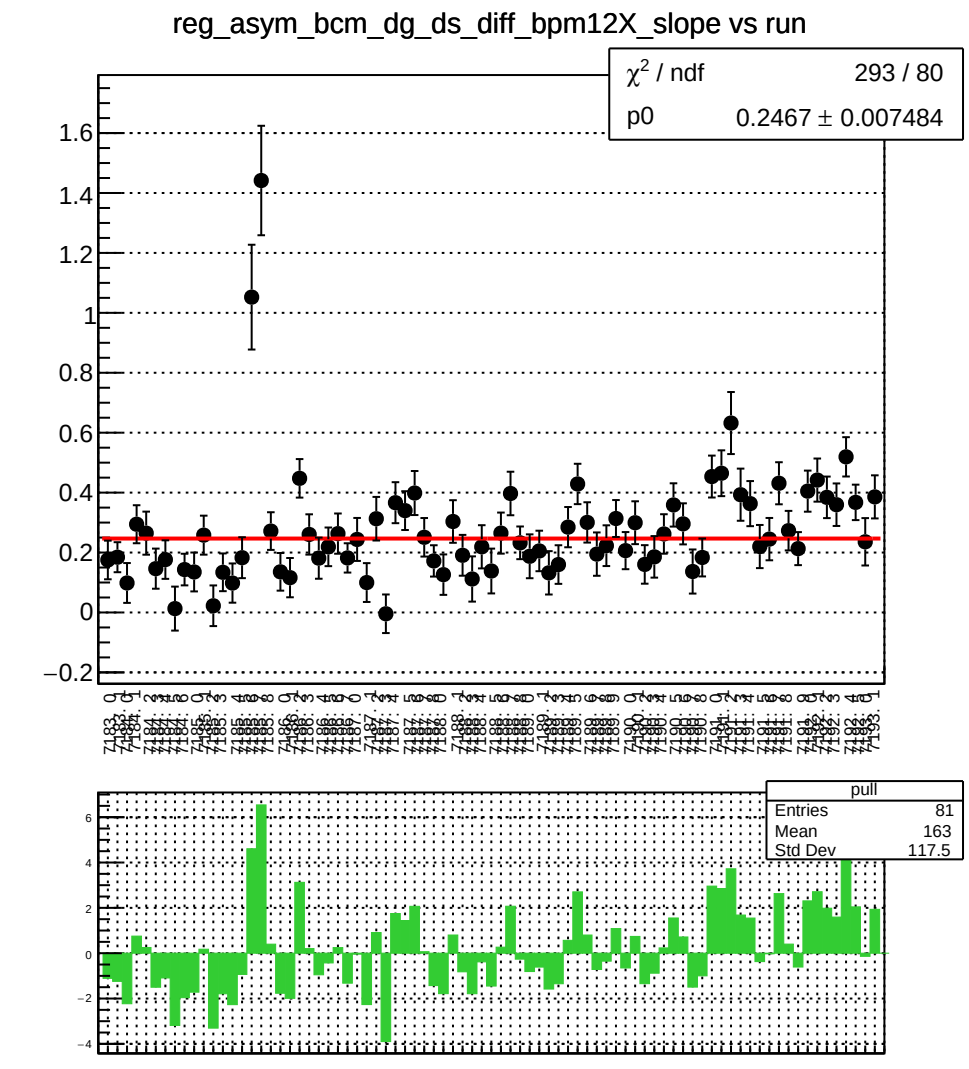

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1379 / 80
p0 −21.15 ± 0.205
pull
Entries 81
Mean 83.27
Std Dev 30.46

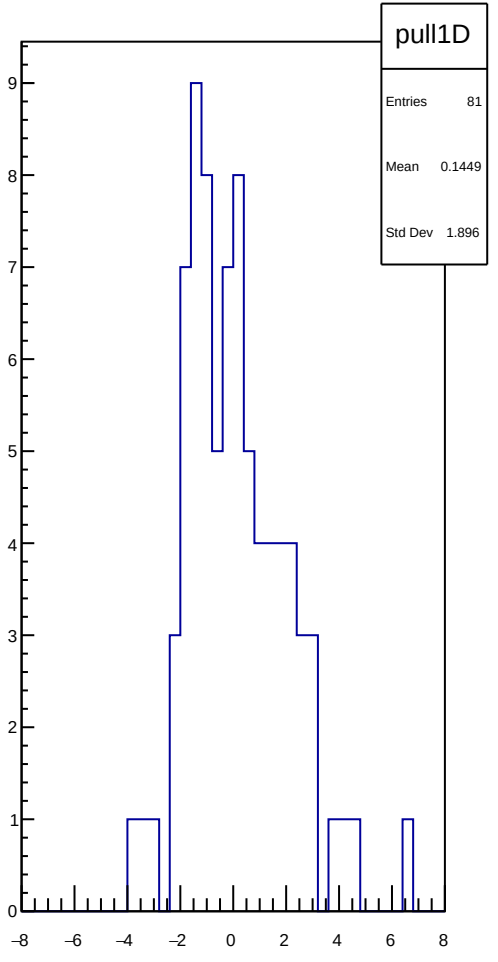

pull1D
Entries 81
Mean 0.15
Std Dev 2.202

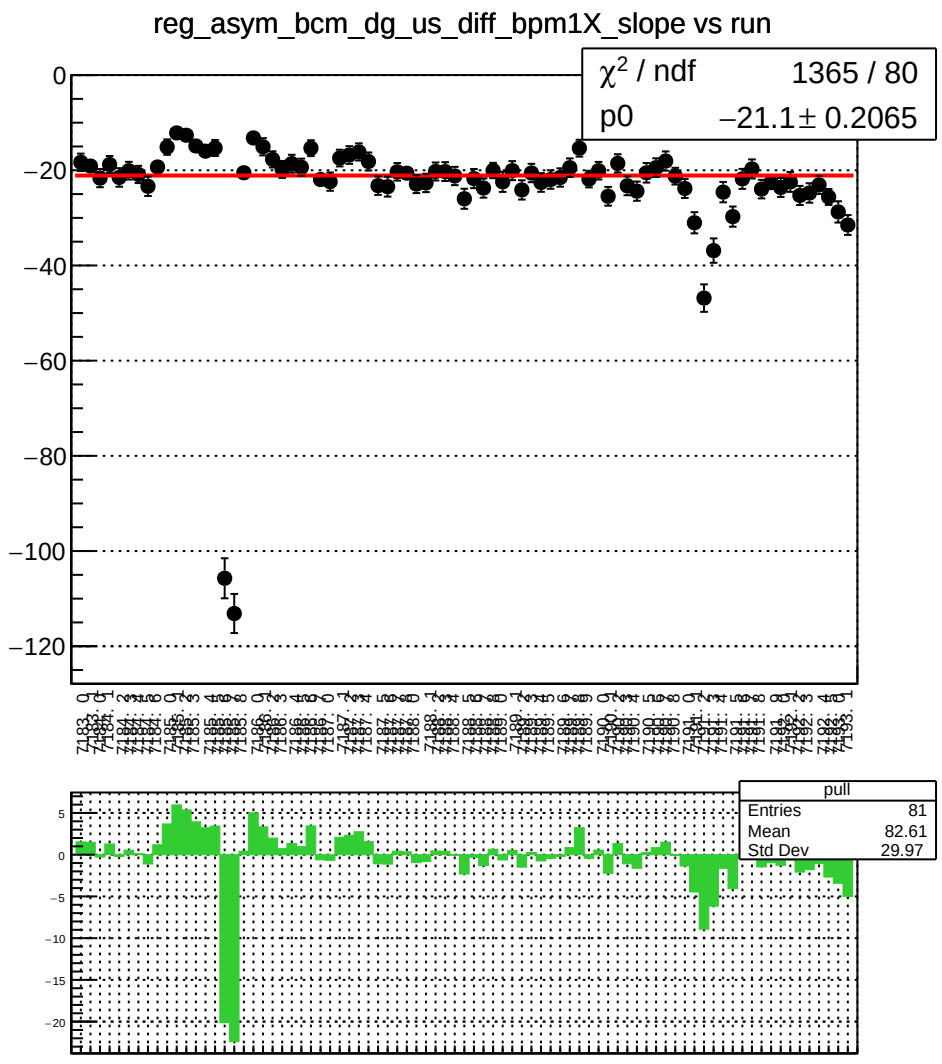

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 189 / 80
p0 0.7851 ± 0.153
pull
Entries 81
Mean −643.8
Std Dev 685.2
pull1D
Entries 81
Mean −0.01732
Std Dev 1.528

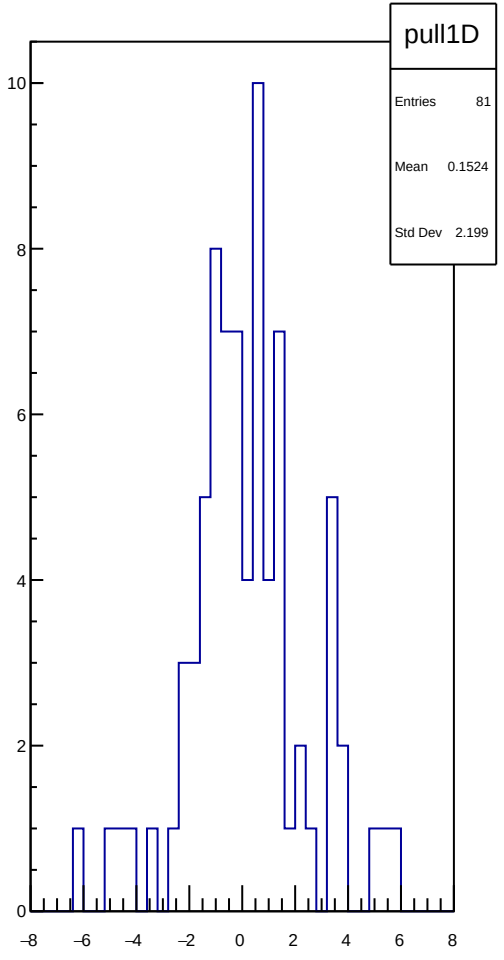

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1346 / 80
p0 20.63 ± 0.2053
pull
Entries 81
Mean 82.07
Std Dev 28.37
pull1D
Entries 81
Mean −0.1462
Std Dev 2.181

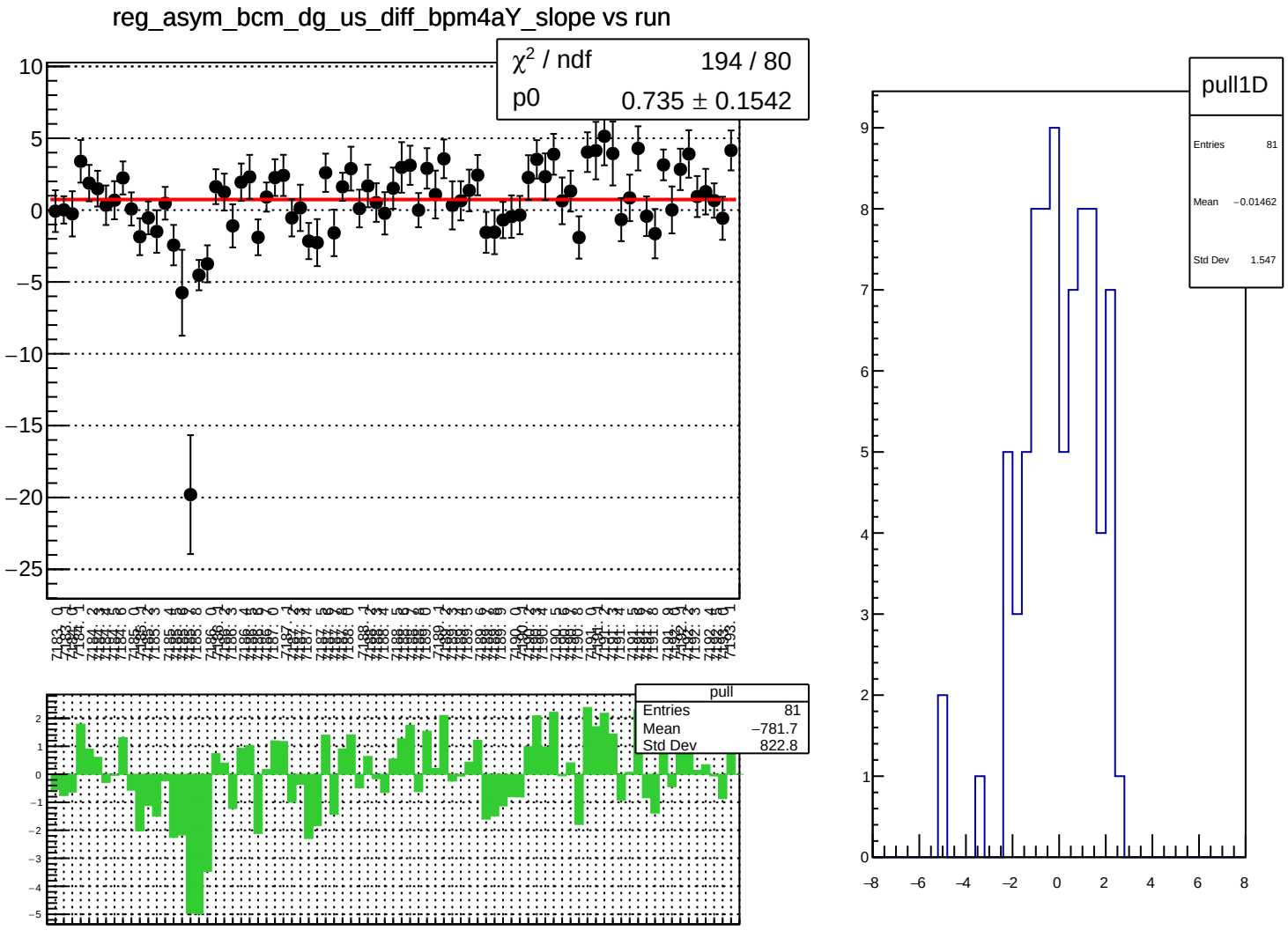

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 192.8 / 80
p0 −1.149 ± 0.1659
pull
Entries 81
Mean −1522
Std Dev 1564
pull1D
Entries 81
Mean 0.007153
Std Dev 1.543

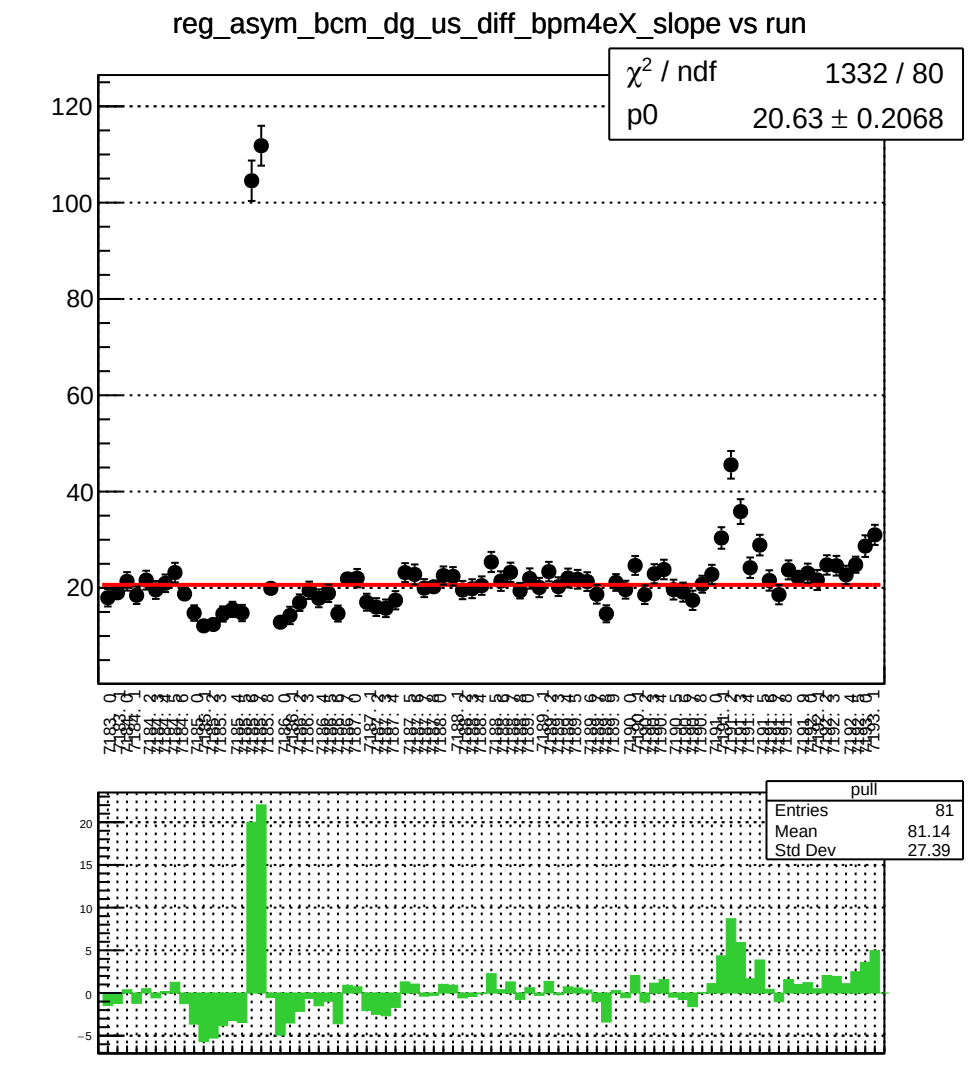

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 293 / 80
p0 0.2467 ± 0.007484
pull
Entries 81
Mean 163
Std Dev 117.5

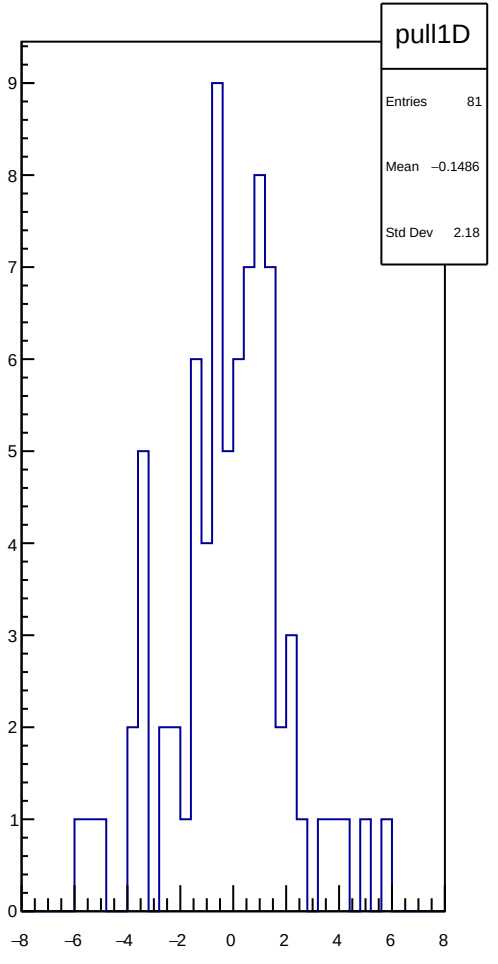

pull1D
Entries 81
Mean 0.1449
Std Dev 1.896

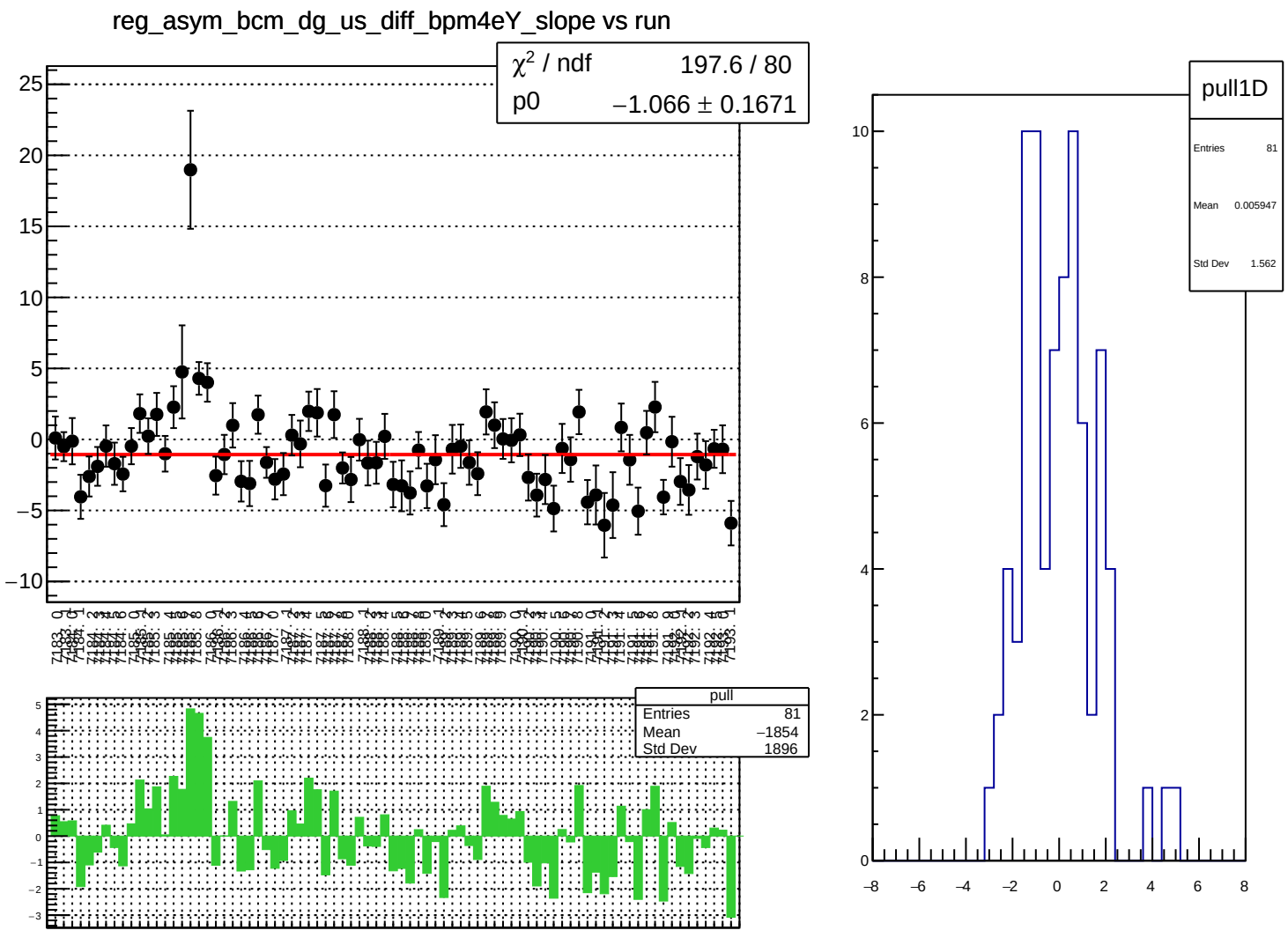

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1365 / 80
p0 −21.1 ± 0.2065
pull
Entries 81
Mean 82.61
Std Dev 29.97

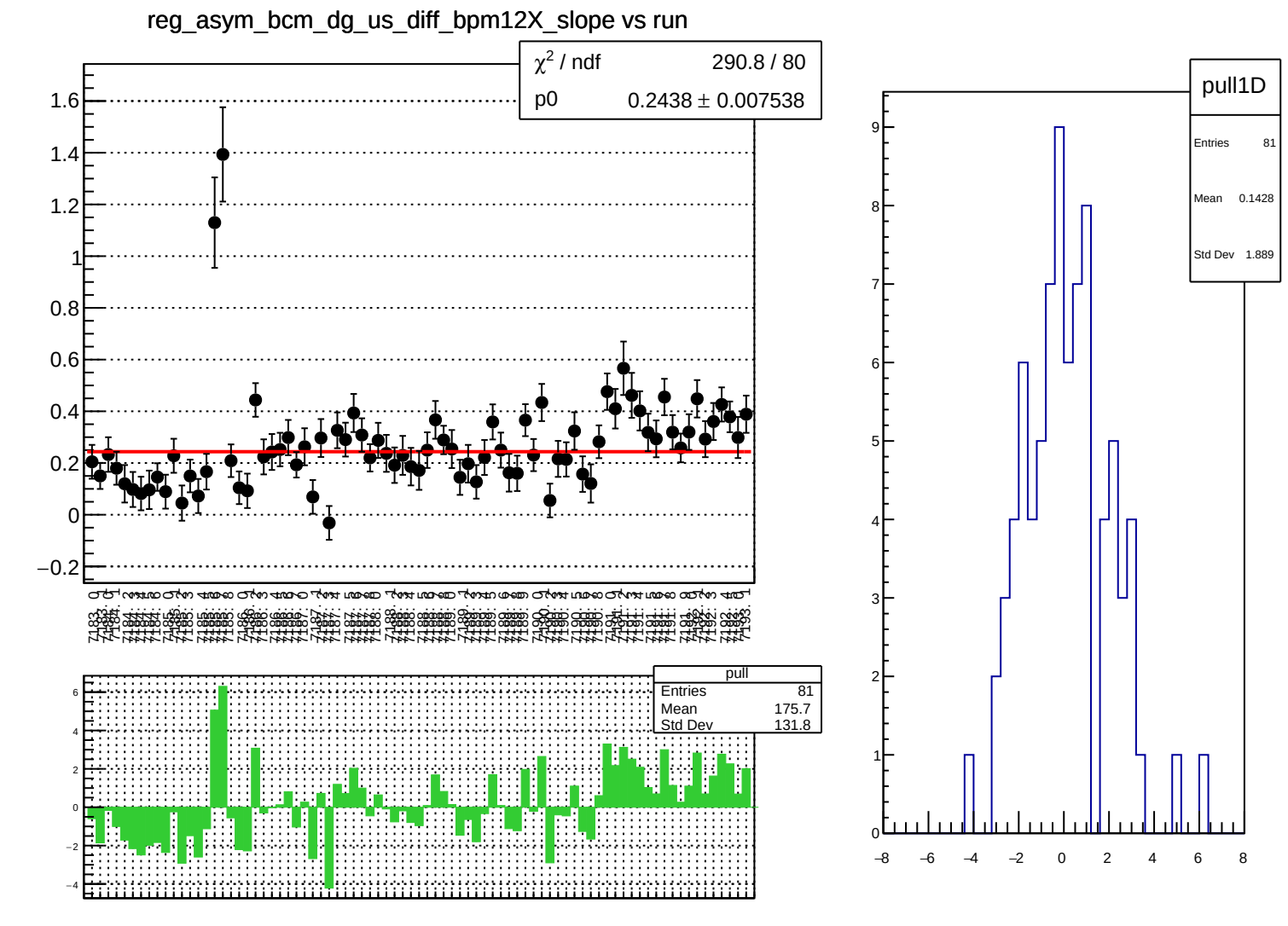

pull1D
Entries 81
Mean 0.1524
Std Dev 2.199


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 194 / 80
p0 0.735 ± 0.1542
pull
Entries 81
Mean −781.7
Std Dev 822.8
pull1D
Entries 81
Mean −0.01462
Std Dev 1.547


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1332 / 80
p0 20.63 ± 0.2068
pull
Entries 81
Mean 81.14
Std Dev 27.39


pull1D
Entries 81
Mean −0.1486
Std Dev 2.18


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 197.6 / 80
p0 −1.066 ± 0.1671
pull
Entries 81
Mean −1854
Std Dev 1896
pull1D
Entries 81
Mean 0.005947
Std Dev 1.562


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 290.8 / 80
p0 0.2438 ± 0.007538
pull
Entries 81
Mean 175.7
Std Dev 131.8
pull1D
Entries 81
Mean 0.1428
Std Dev 1.889