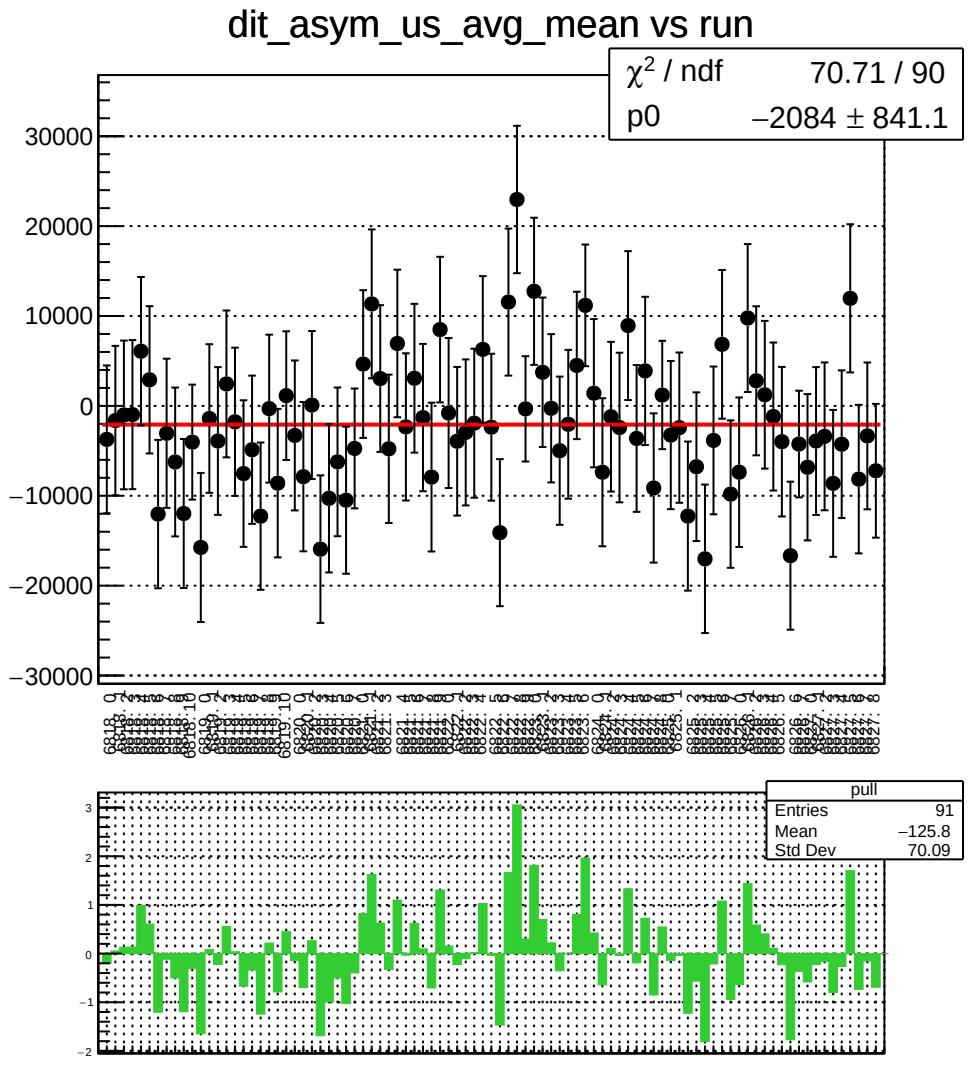
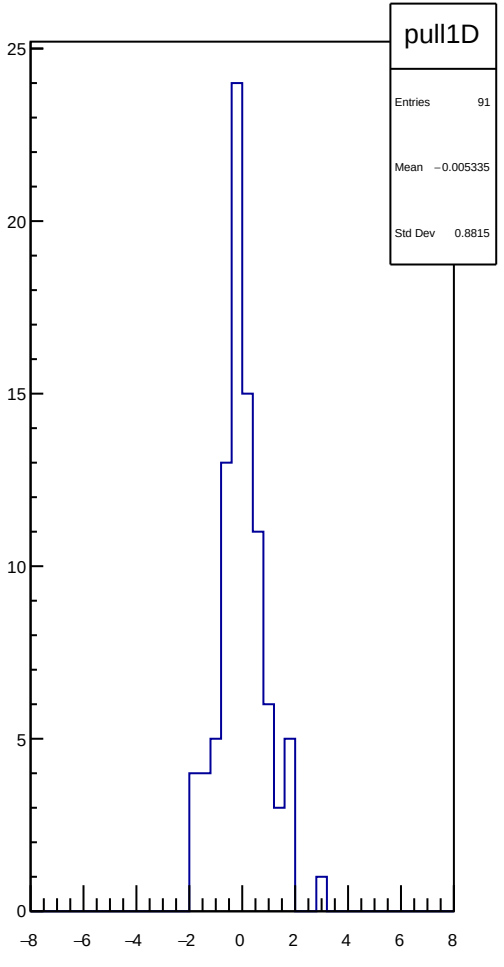
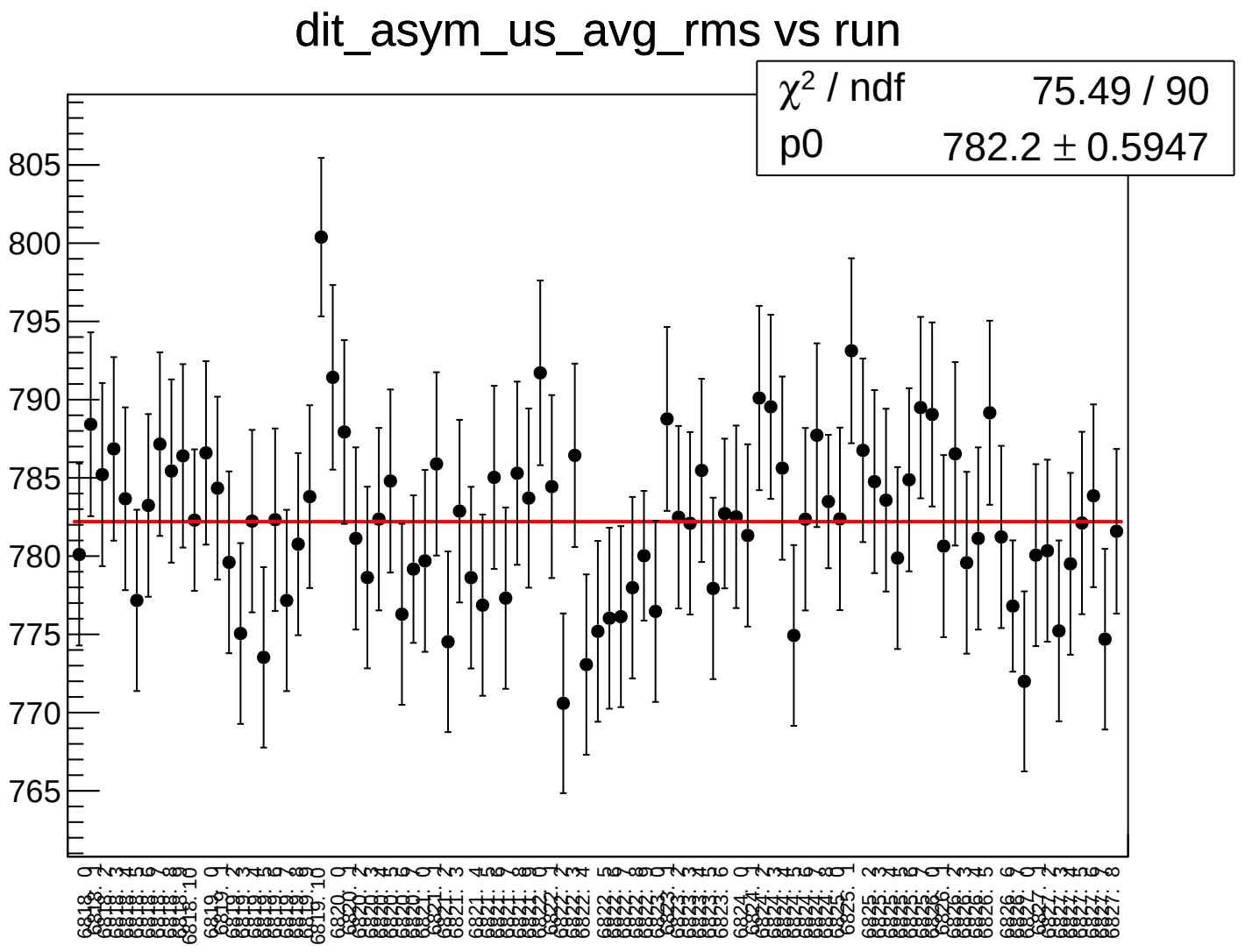
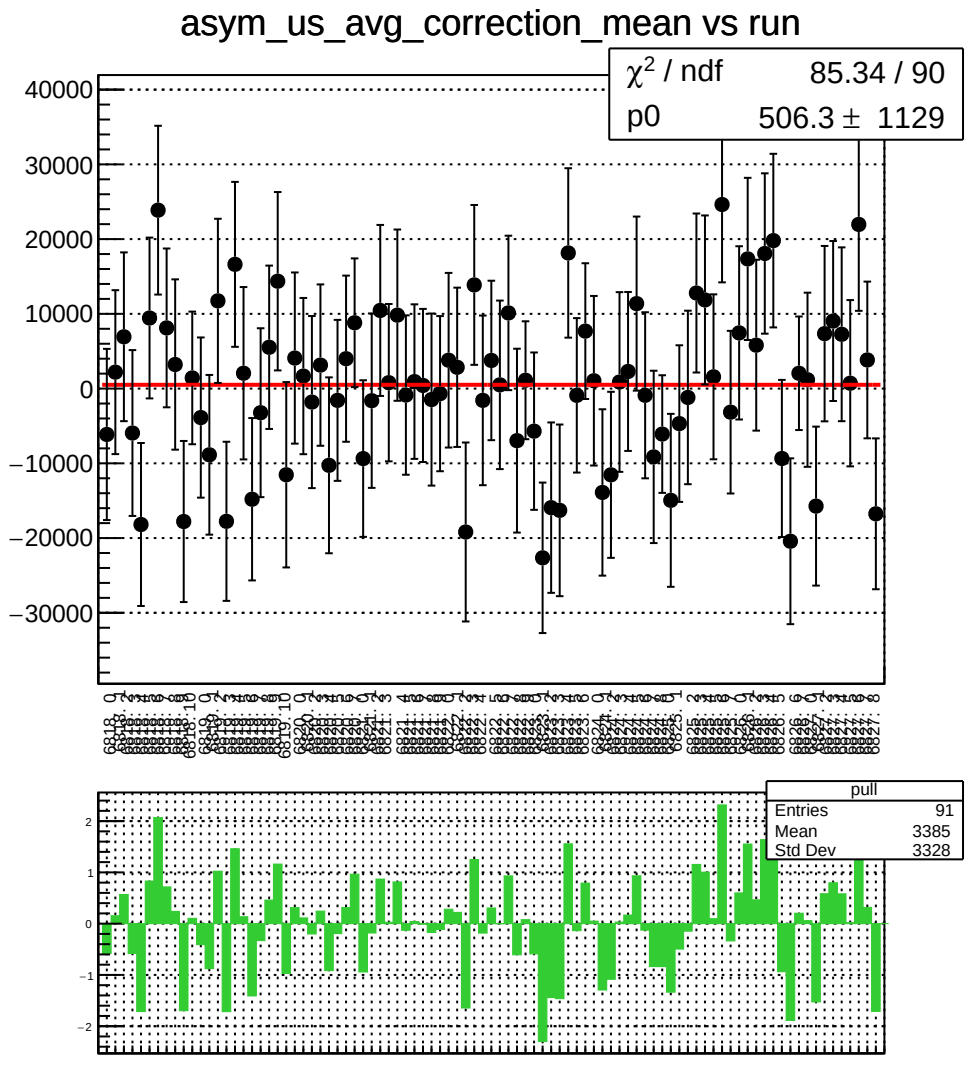
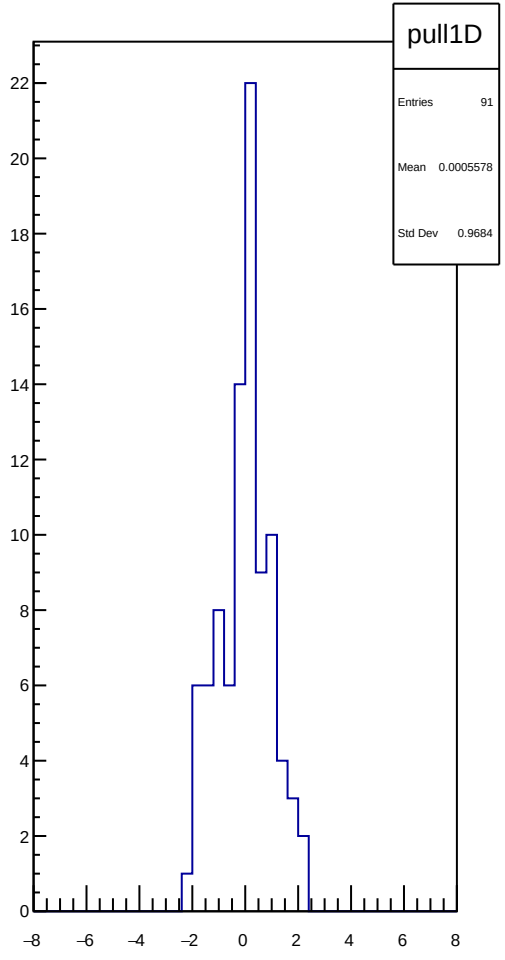
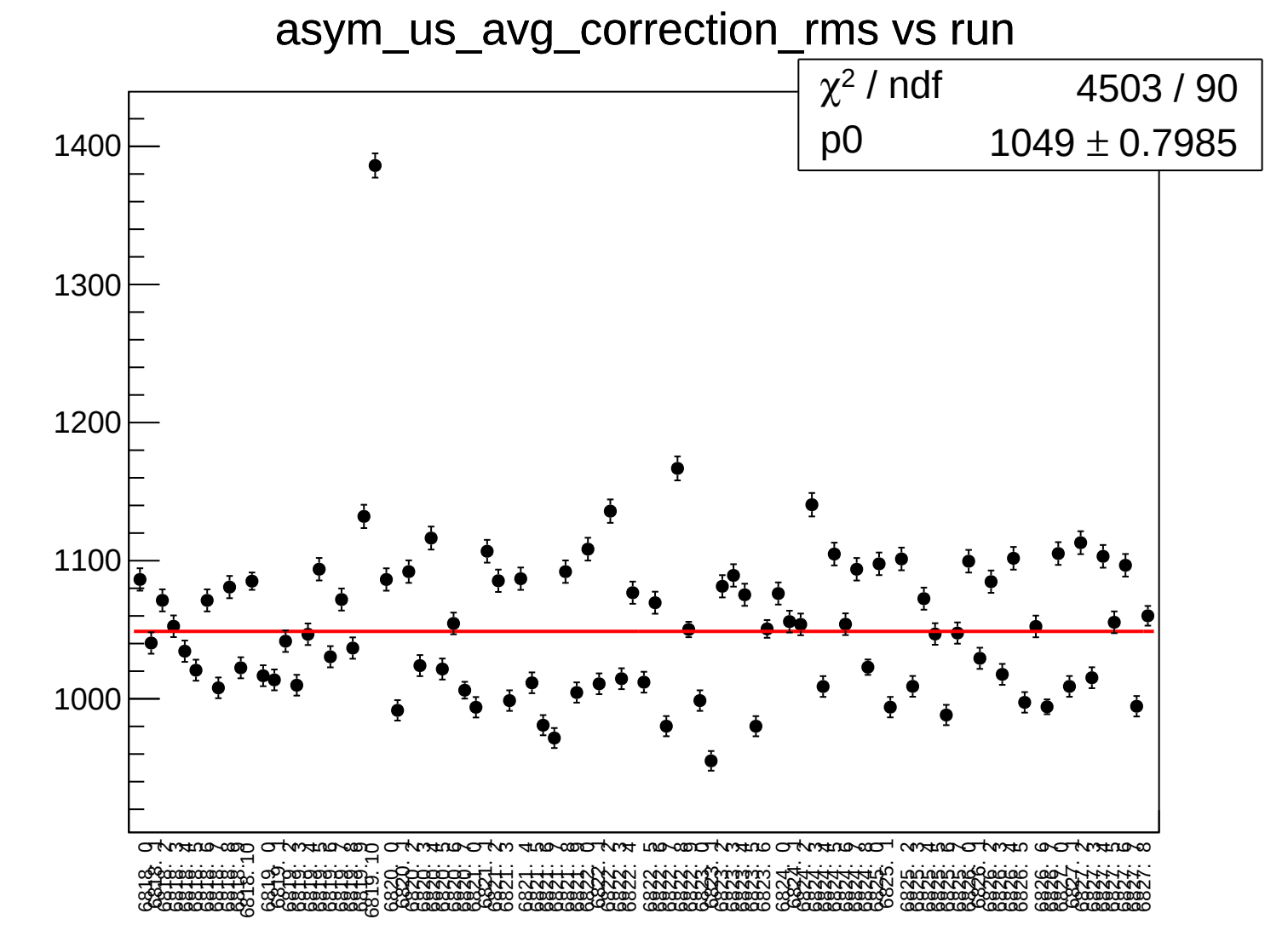

dit_asym_us_avg_mean vs run
χ² / ndf 70.71 / 90
p0 −2084 ± 841.1
pull
Entries 91
Mean −125.8
Std Dev 70.09

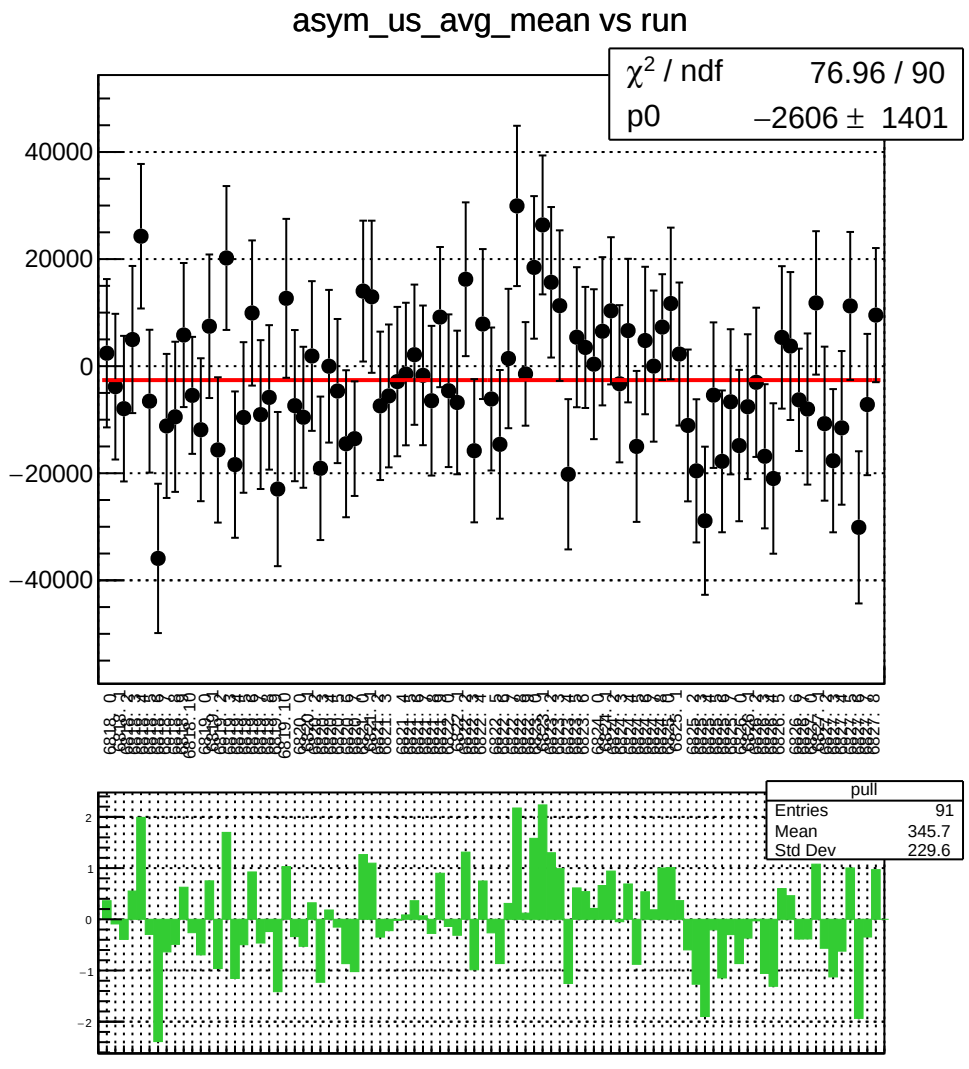

pull1D
Entries 91
Mean −0.005335
Std Dev 0.8815

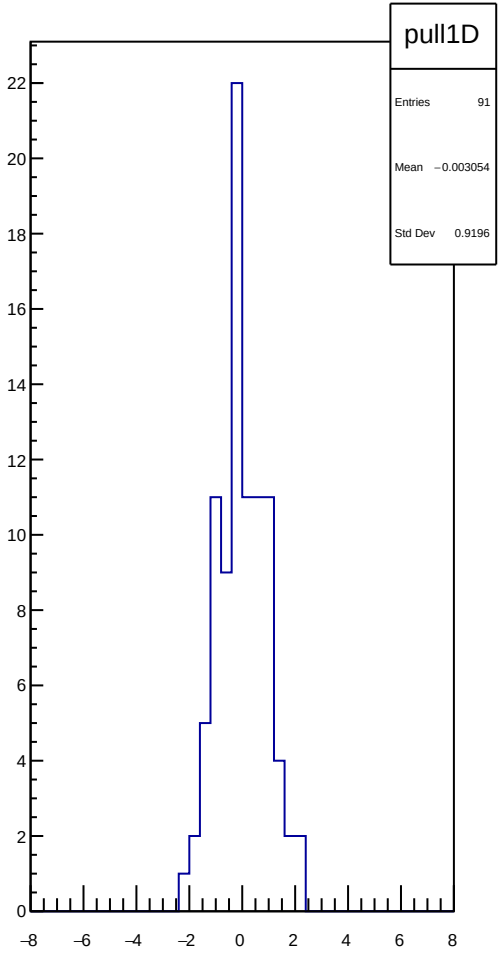

dit_asym_us_avg_rms vs run
χ² / ndf 75.49 / 90
p0 782.2 ± 0.5947
805
800
795
790
785
780
775
770
765

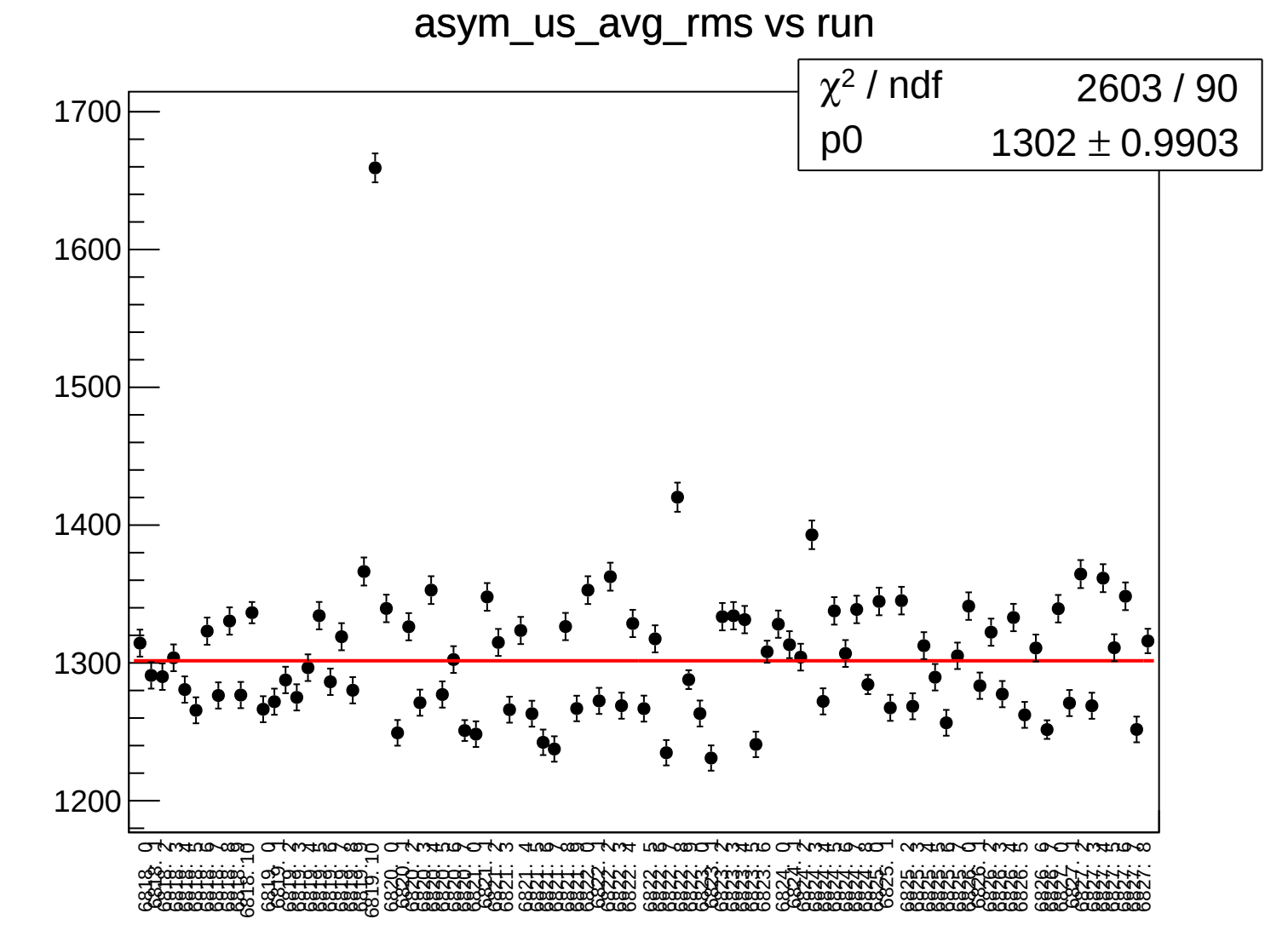

asym_us_avg_correction_mean vs run
χ² / ndf 85.34 / 90
p0 506.3 ± 1129
pull
Entries 91
Mean 3385
Std Dev 3328

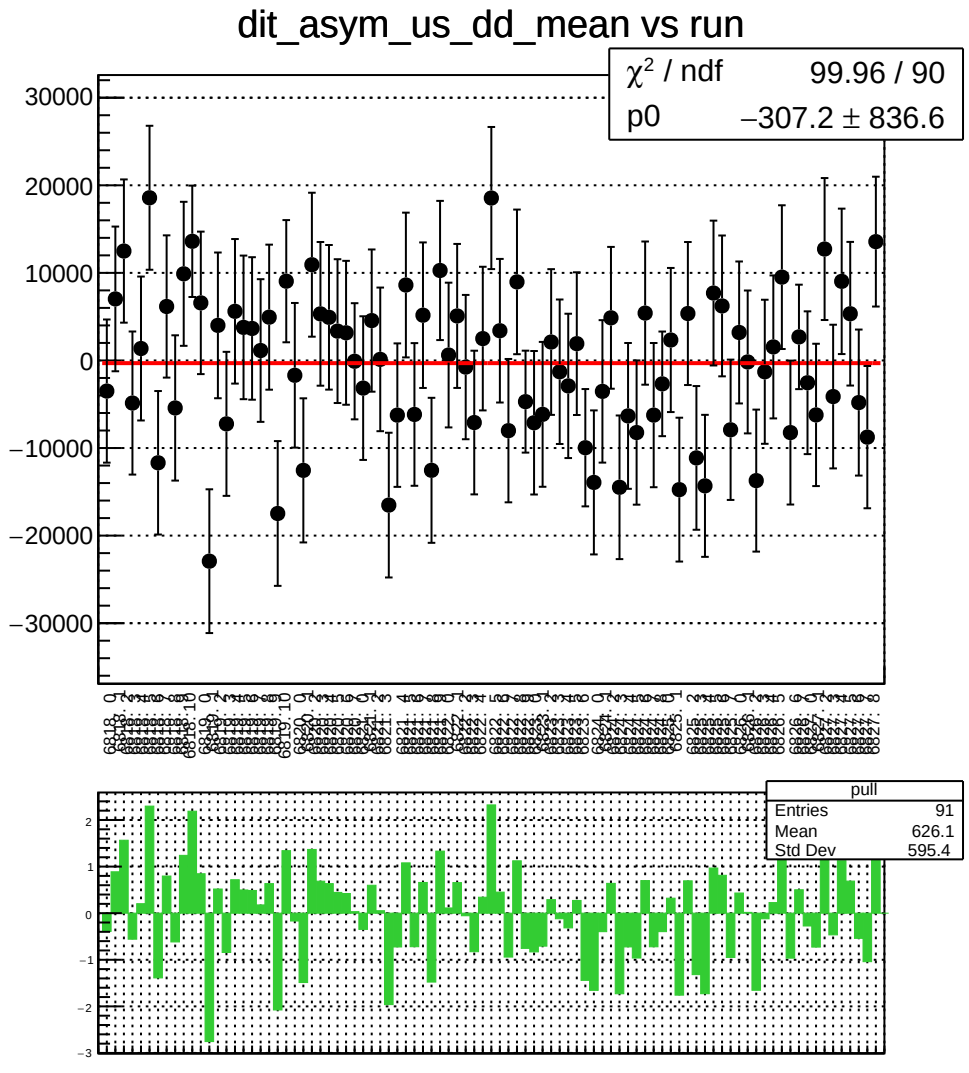

pull1D
Entries 91
Mean 0.0005578
Std Dev 0.9684

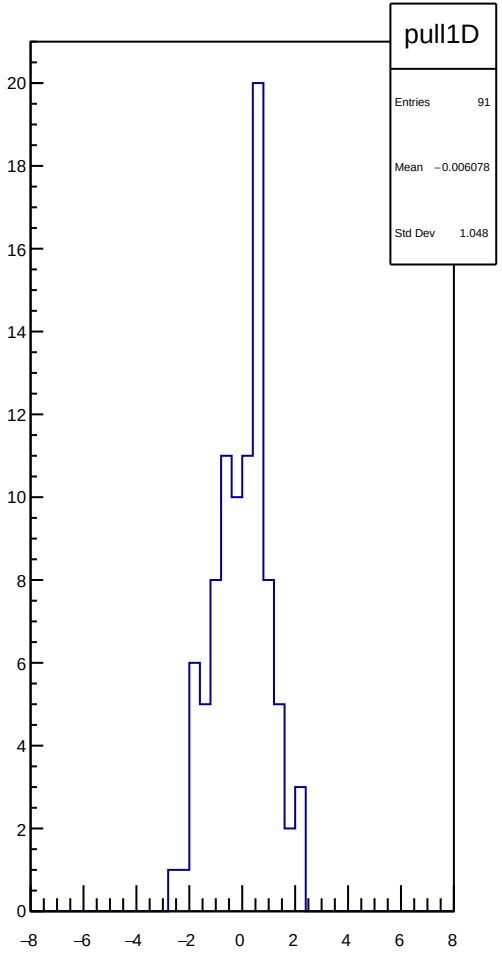

asym_us_avg_correction_rms vs run
χ² / ndf 4503 / 90
p0 1049 ± 0.7985
1400
1300
1200
1100
1000

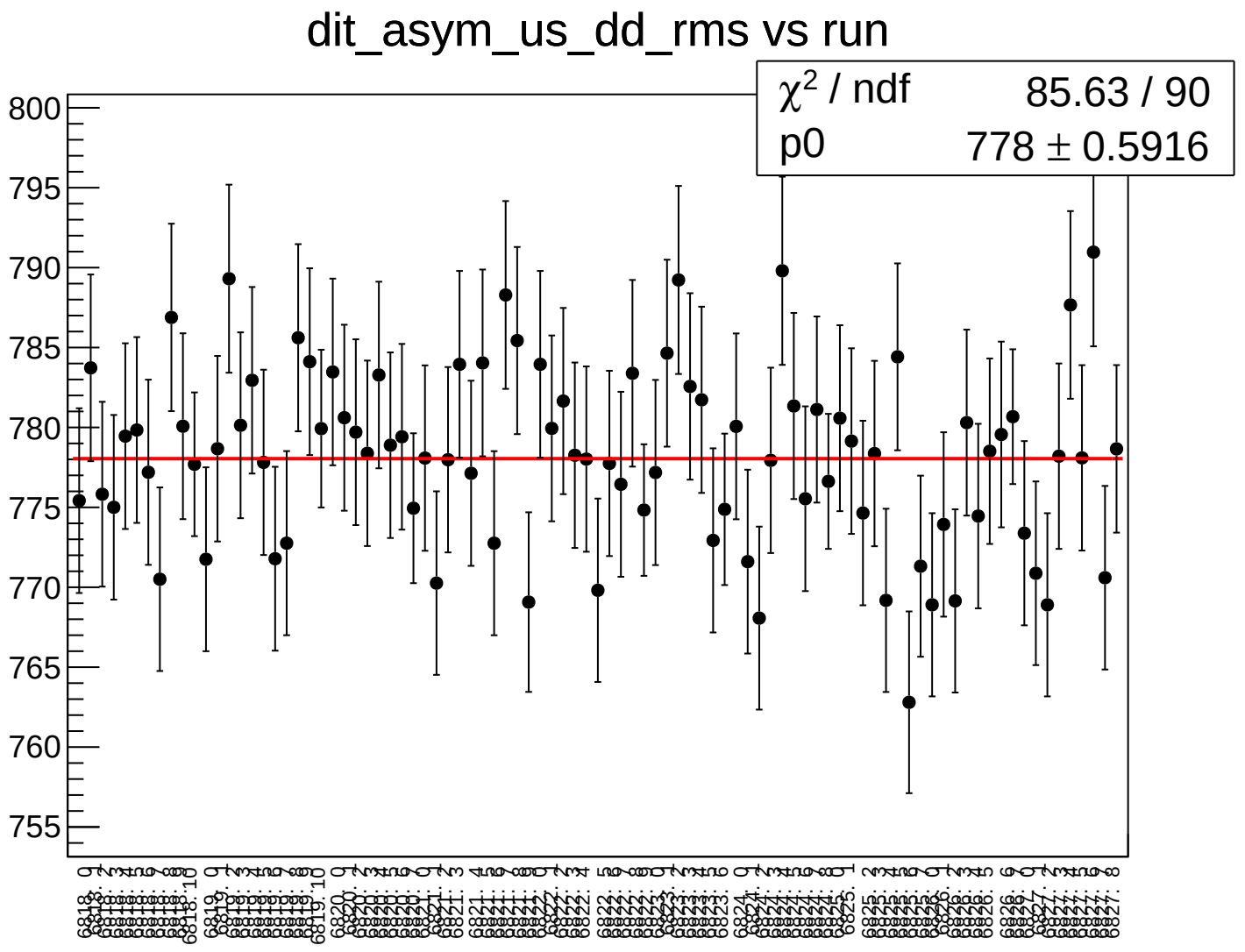

asym_us_avg_mean vs run
χ² / ndf 76.96 / 90
p0 −2606 ± 1401
40000
20000
0
−20000
−40000
pull
Entries 91
Mean 345.7
Std Dev 229.6
2
1
0
−1
−2

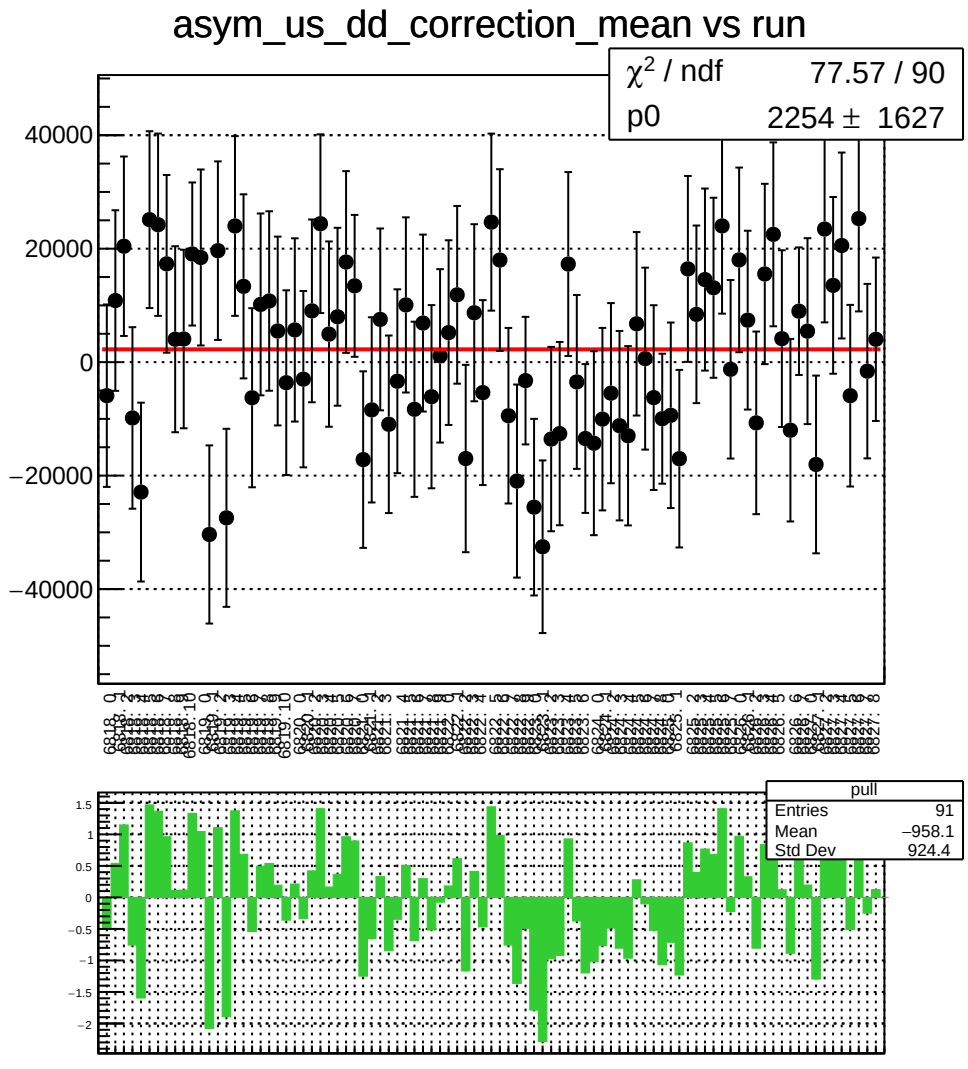

pull1D
Entries 91
Mean −0.003054
Std Dev 0.9196
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

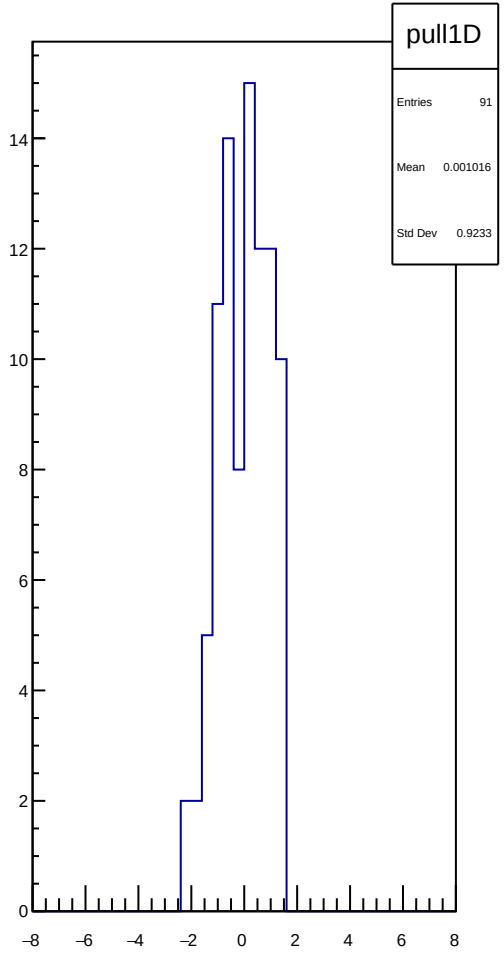

asym_us_avg_rms vs run
χ² / ndf 2603 / 90
p0 1302 ± 0.9903
1700
1600
1500
1400
1300
1200

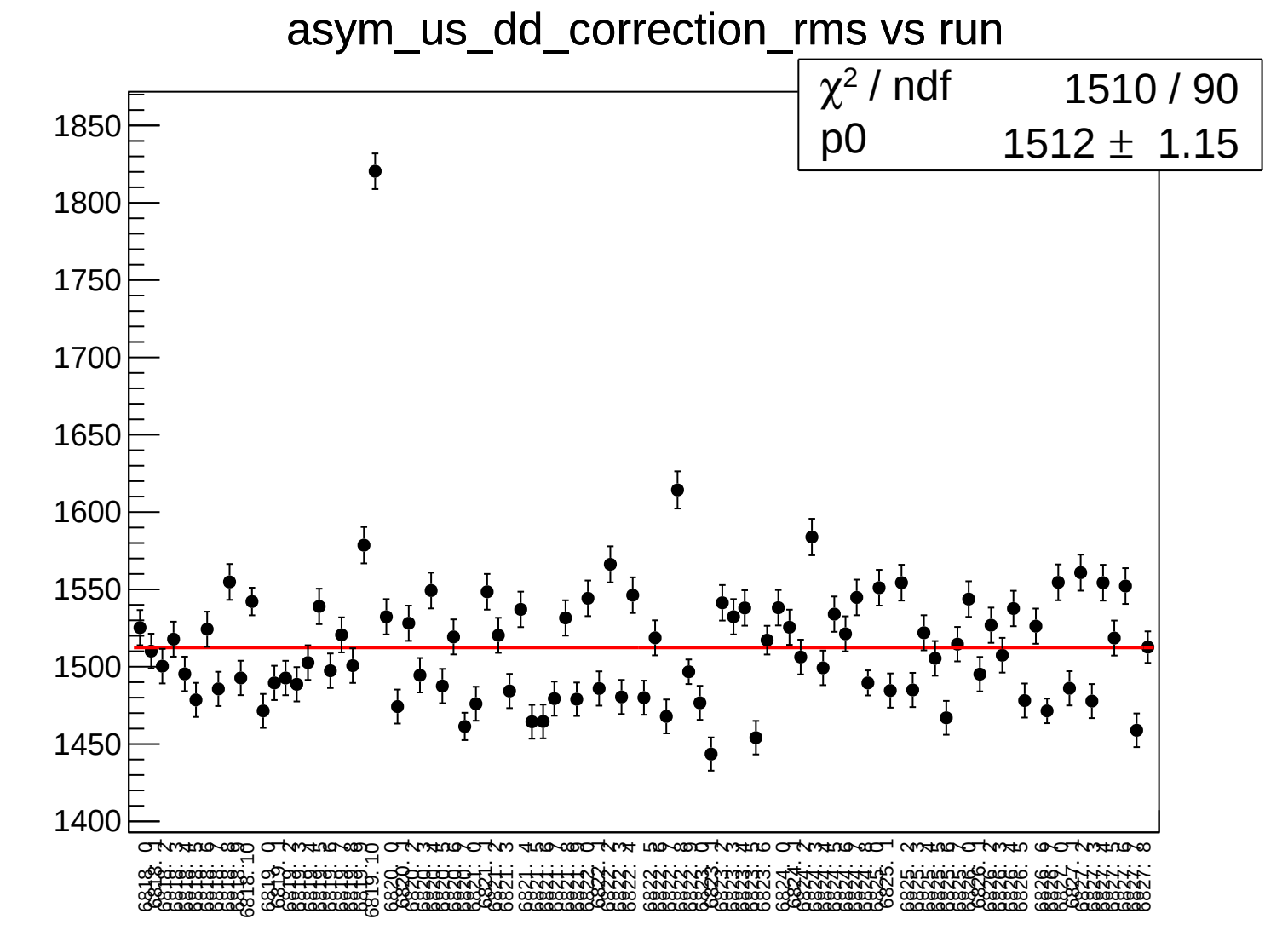

dit_asym_us_dd_mean vs run
χ² / ndf 99.96 / 90
p0 −307.2 ± 836.6
pull
Entries 91
Mean 626.1
Std Dev 595.4

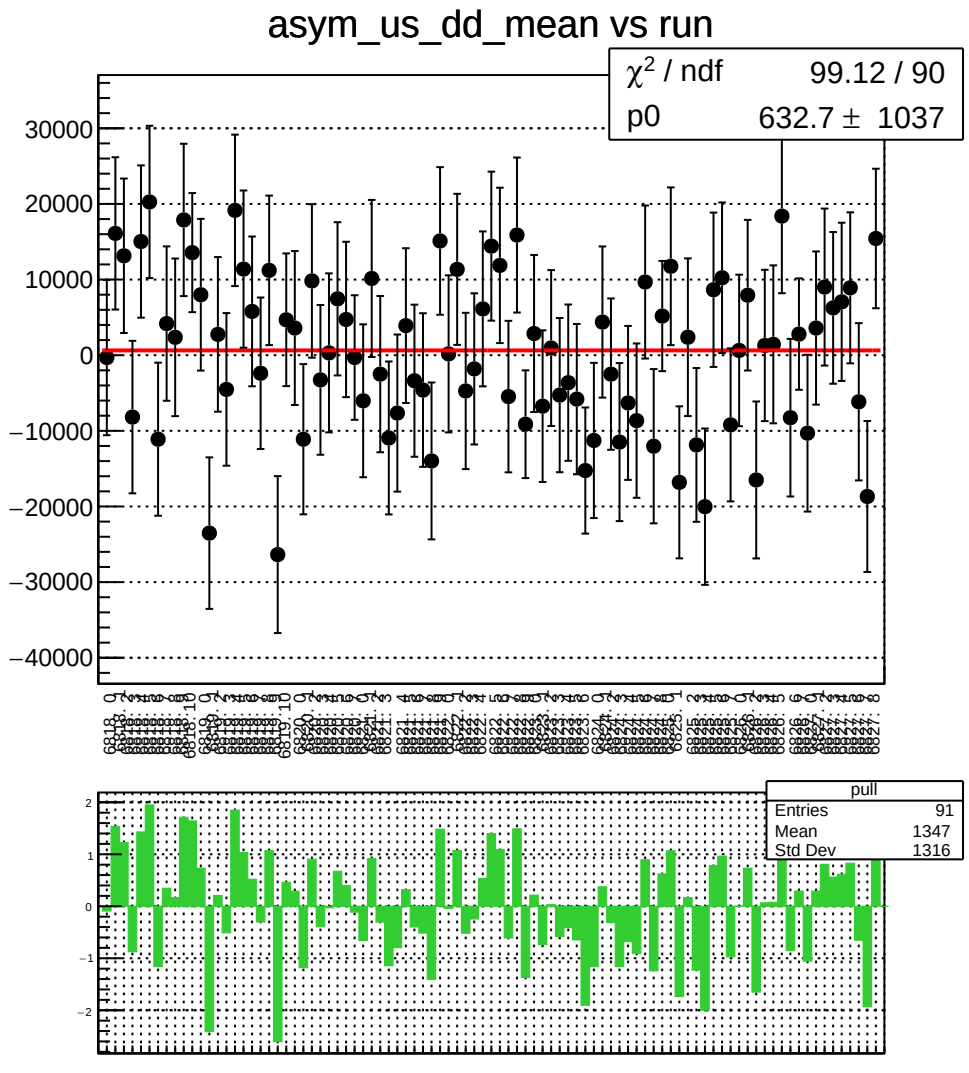

pull1D
Entries 91
Mean −0.006078
Std Dev 1.048

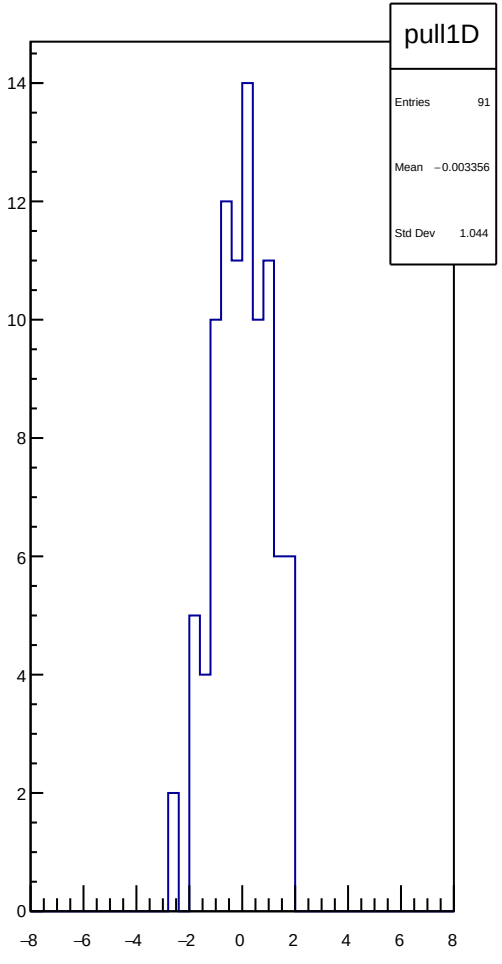

dit_asym_us_dd_rms vs run
χ² / ndf 85.63 / 90
p0 778 ± 0.5916
800
795
790
785
780
775
770
765
760
755

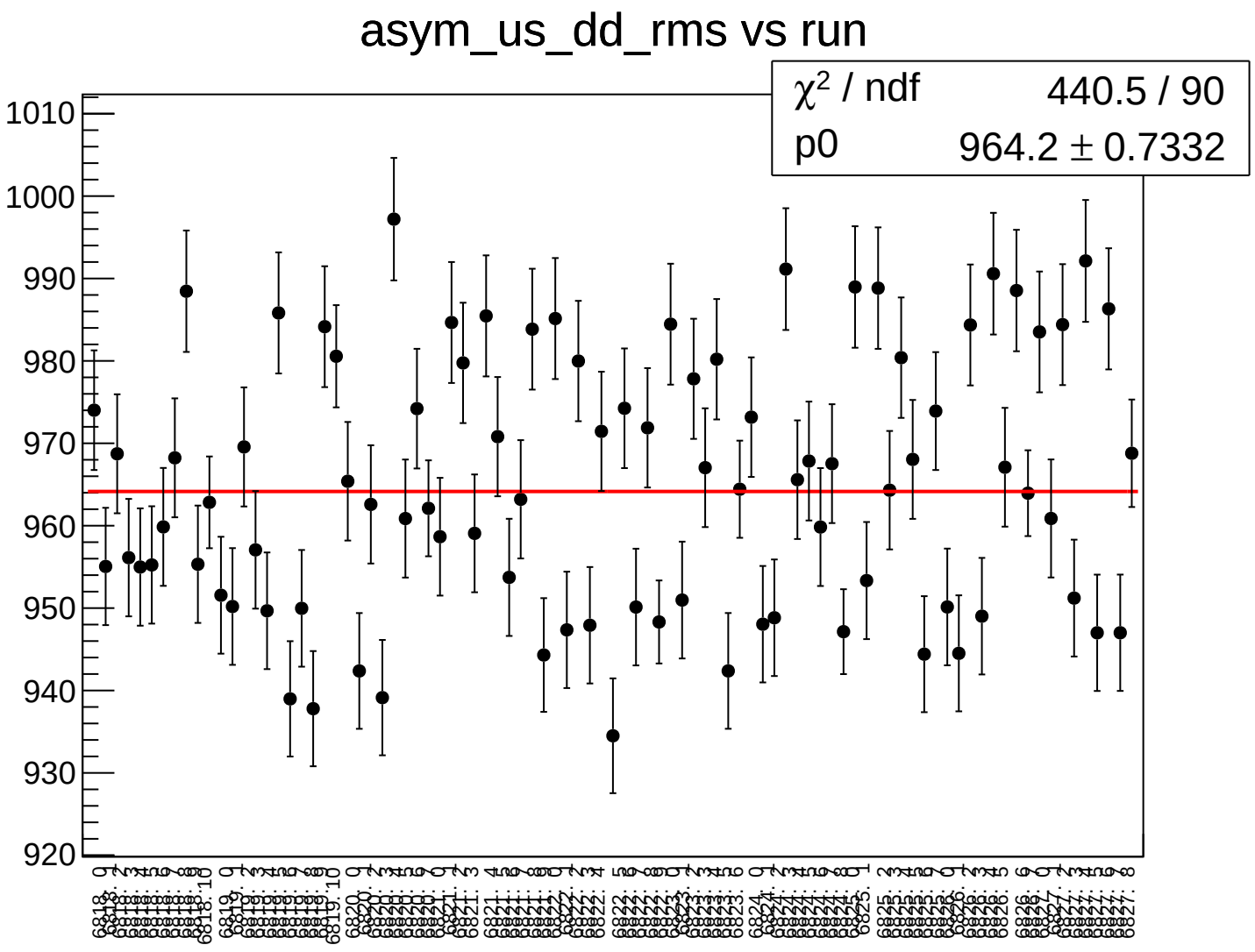

asym_us_dd_correction_mean vs run
χ² / ndf 77.57 / 90
p0 2254 ± 1627
40000
20000
0
−20000
−40000
pull
Entries 91
Mean −958.1
Std Dev 924.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

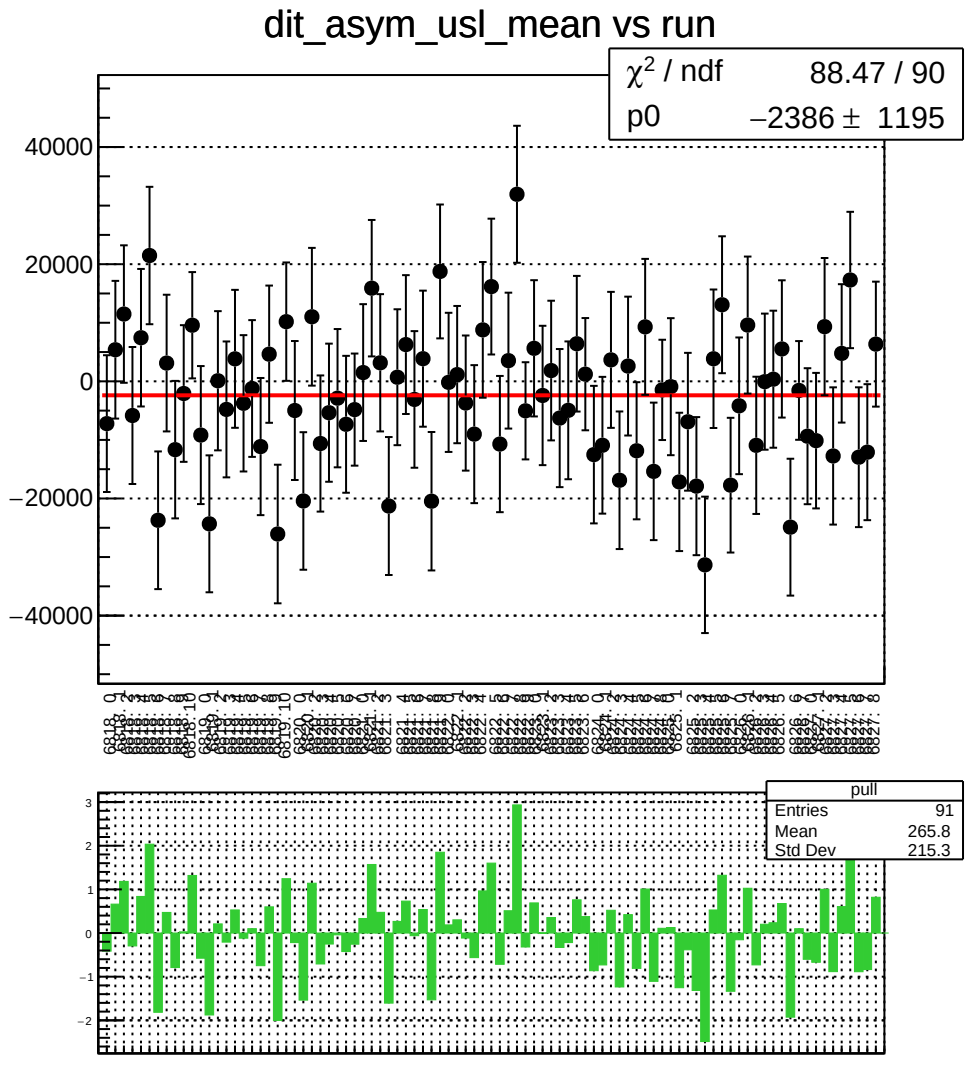

pull1D
Entries 91
Mean 0.001016
Std Dev 0.9233
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

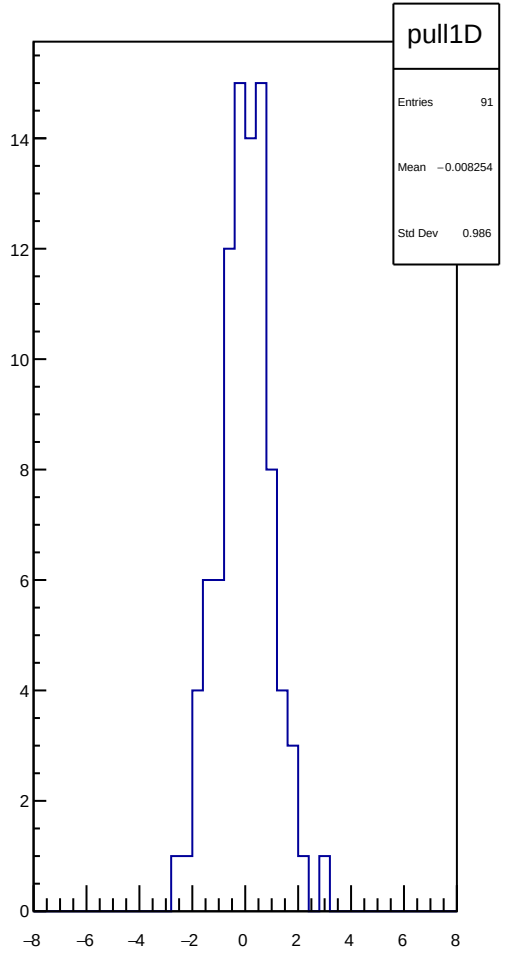

asym_us_dd_correction_rms vs run
χ² / ndf 1510 / 90
p0 1512 ± 1.15
1850
1800
1750
1700
1650
1600
1550
1500
1450
1400

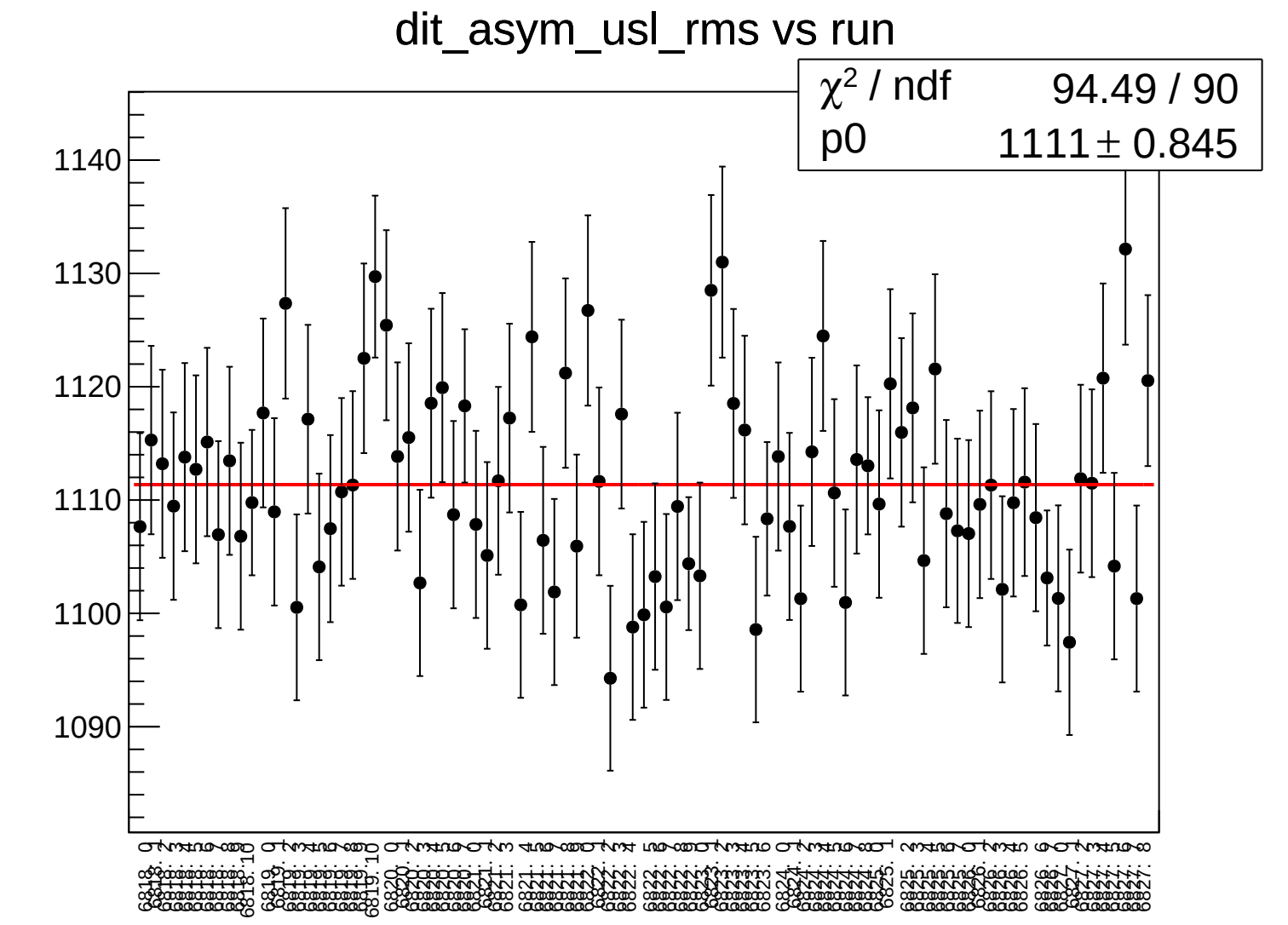

asym_us_dd_mean vs run
χ² / ndf 99.12 / 90
p0 632.7 ± 1037
pull
Entries 91
Mean 1347
Std Dev 1316

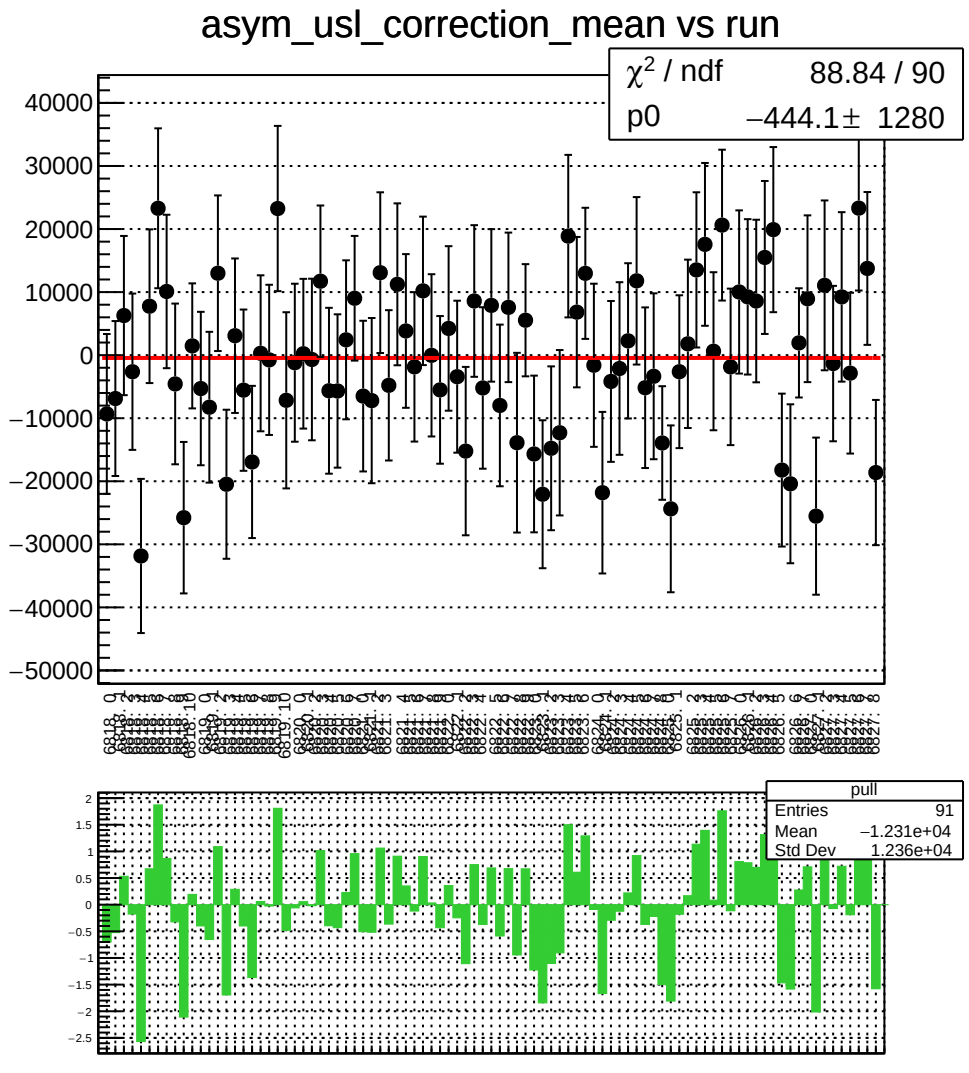

pull1D
Entries 91
Mean −0.003356
Std Dev 1.044

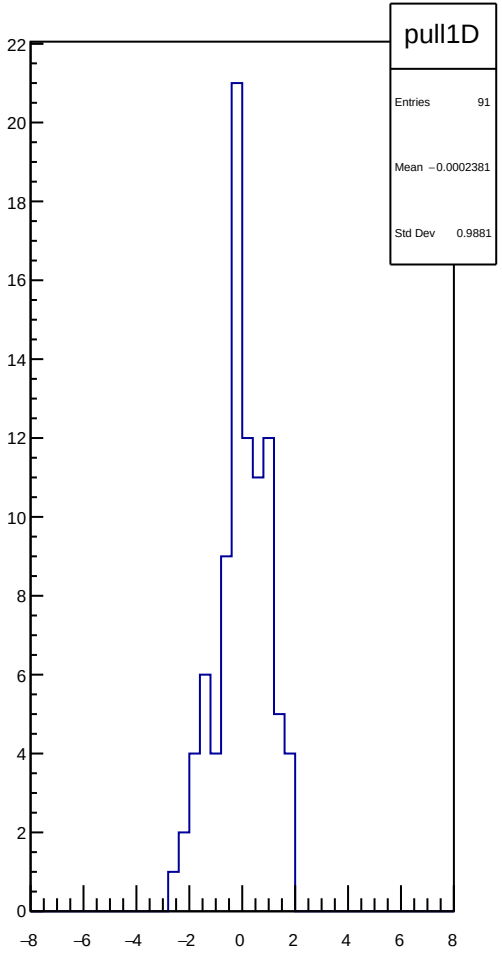

asym_us_dd_rms vs run
χ² / ndf 440.5 / 90
p0 964.2 ± 0.7332
1010
1000
990
980
970
960
950
940
930
920

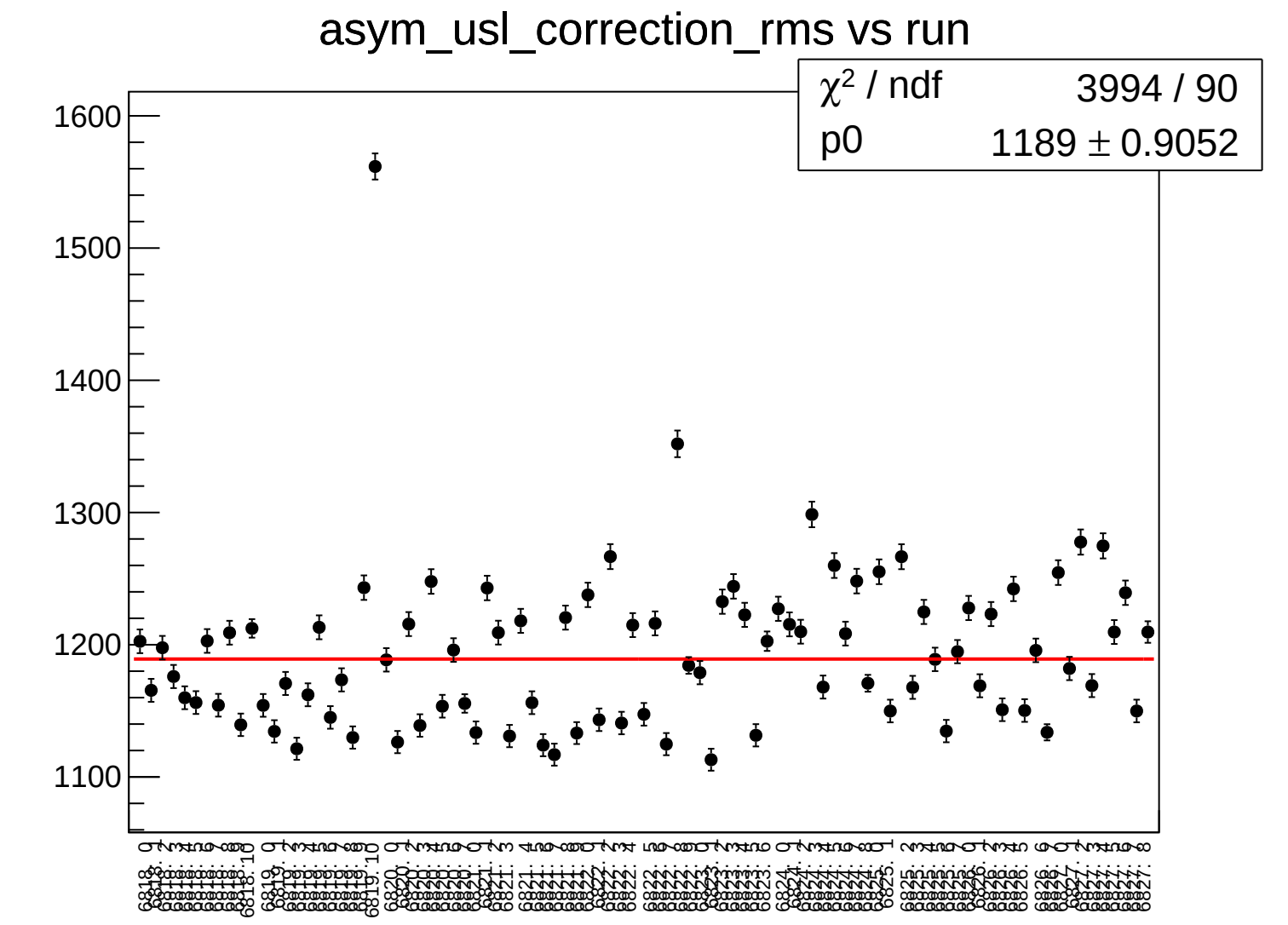

dit_asym_usl_mean vs run
χ² / ndf 88.47 / 90
p0 −2386 ± 1195
40000
20000
0
−20000
−40000
pull
Entries 91
Mean 265.8
Std Dev 215.3
3
2
1
0
−1
−2

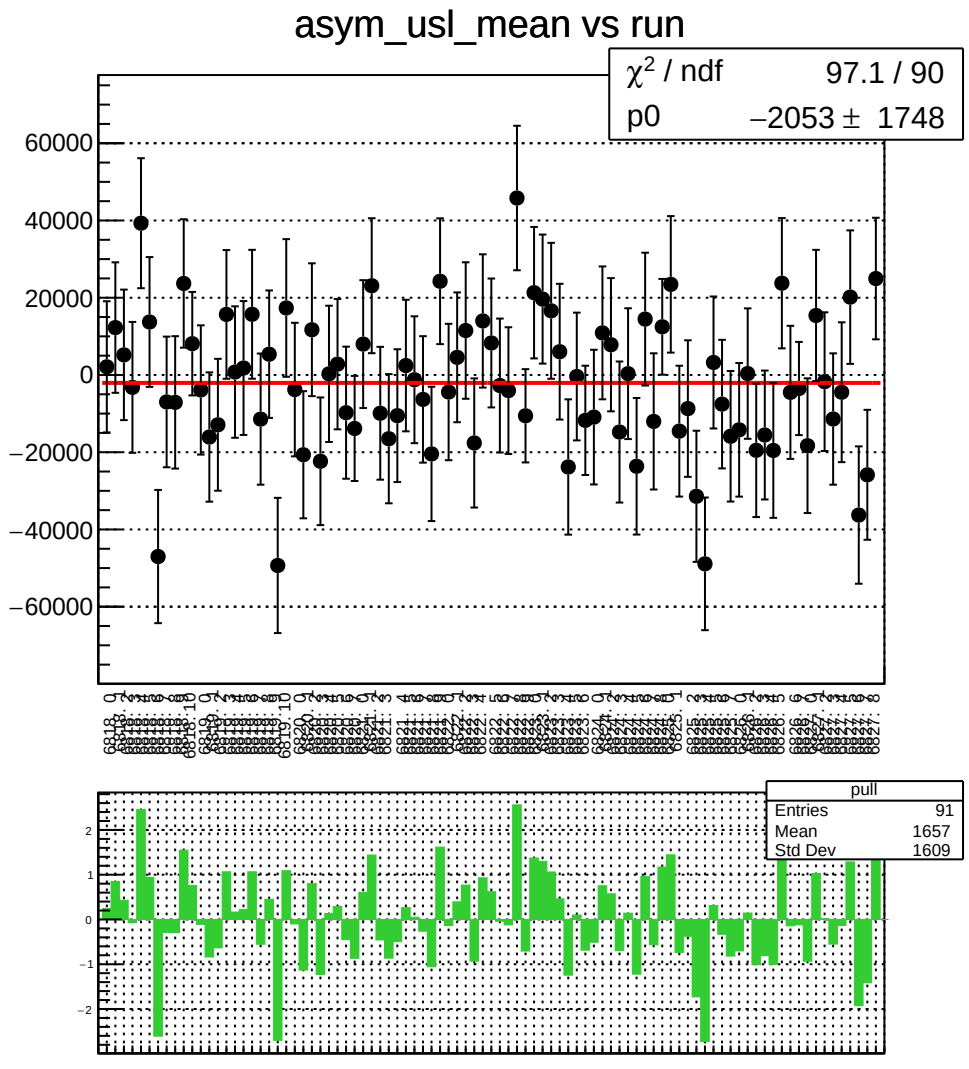

pull1D
Entries 91
Mean −0.008254
Std Dev 0.986
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

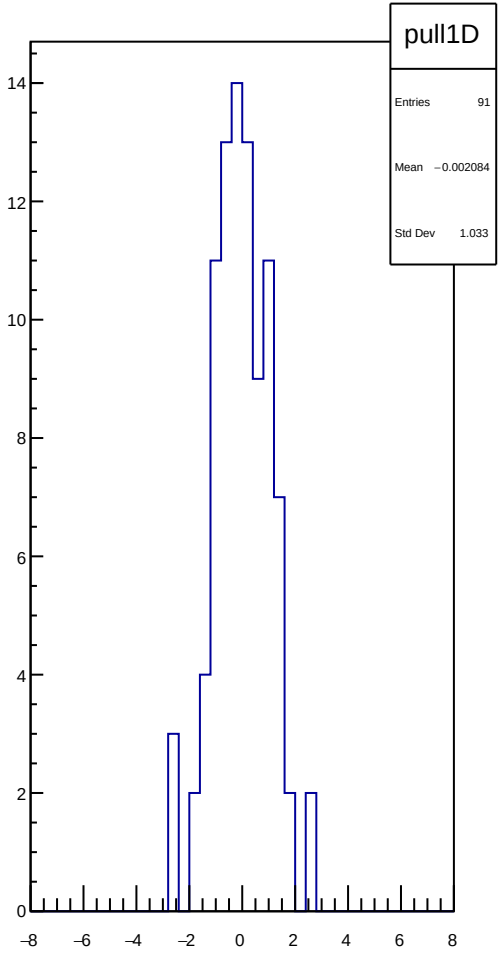

dit_asym_usl_rms vs run
χ^2 / ndf 94.49 / 90
p0 1111 ± 0.845
1140
1130
1120
1110
1100
1090

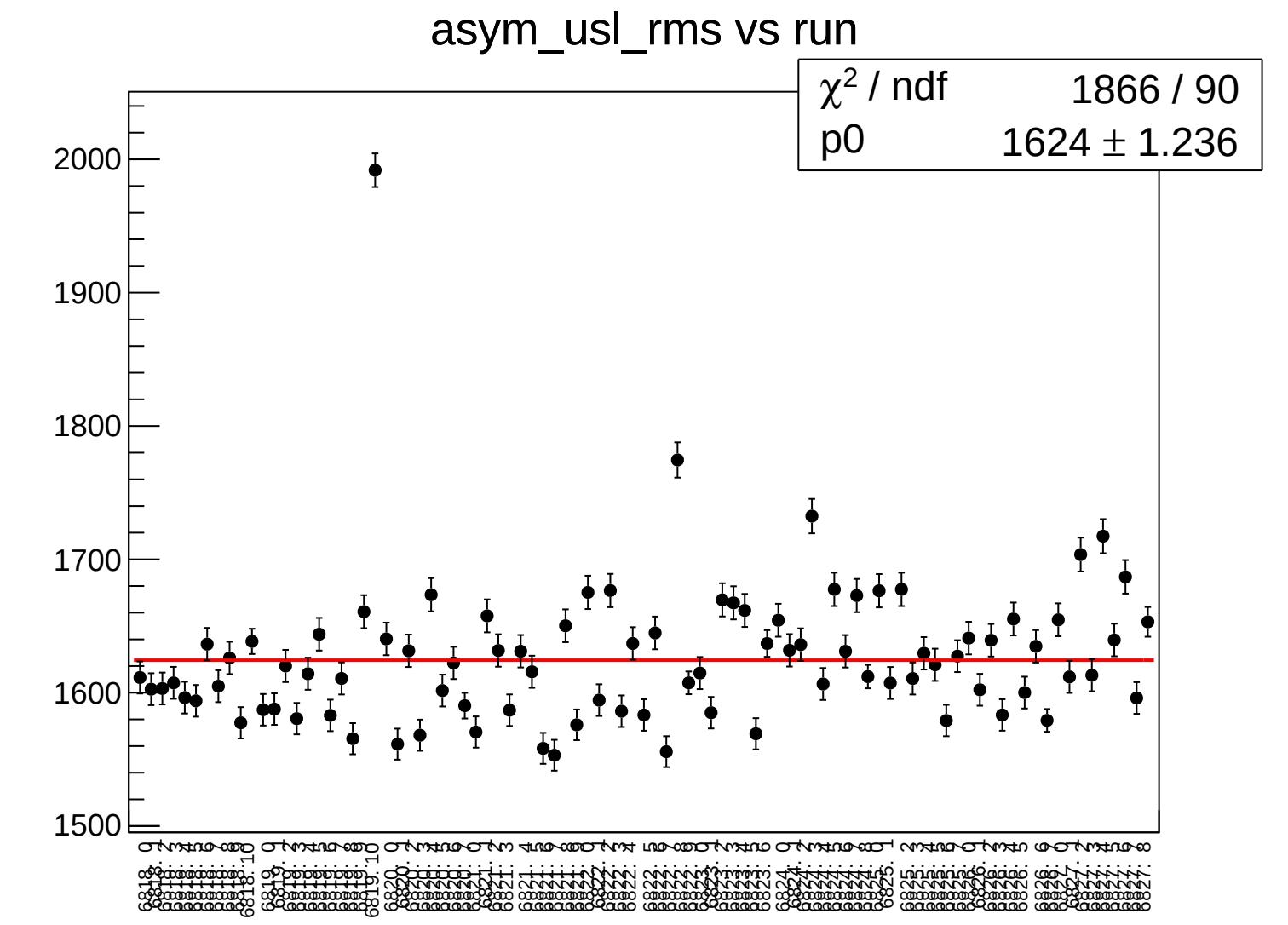

asym_usl_correction_mean vs run
χ² / ndf 88.84 / 90
p0 −444.1± 1280
pull
Entries 91
Mean −1.231e+04
Std Dev 1.236e+04

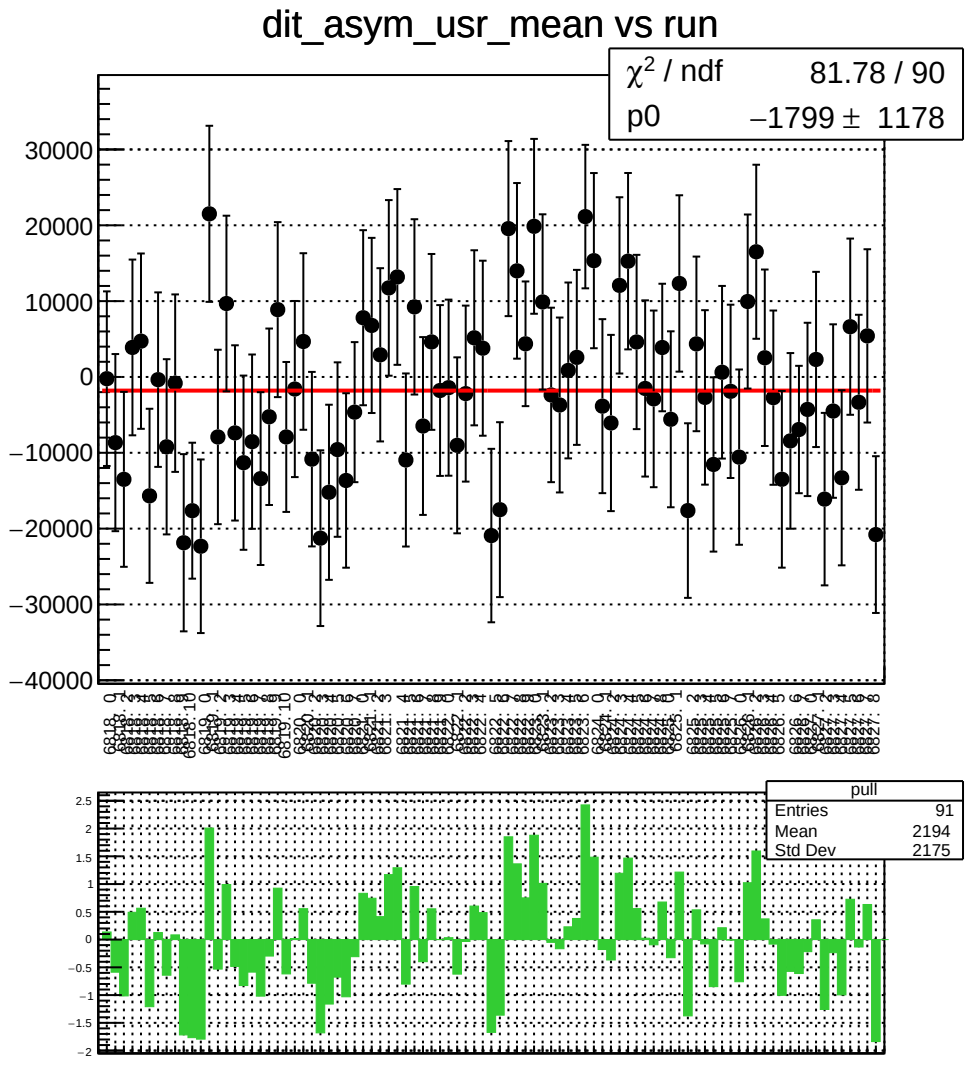

pull1D
Entries 91
Mean −0.0002381
Std Dev 0.9881

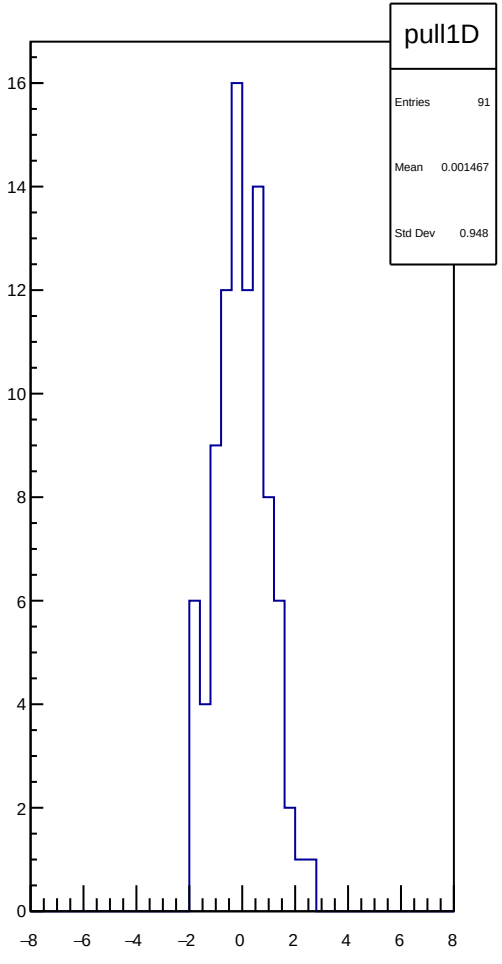

asym_usl_correction_rms vs run
χ² / ndf 3994 / 90
p0 1189 ± 0.9052
1600
1500
1400
1300
1200
1100

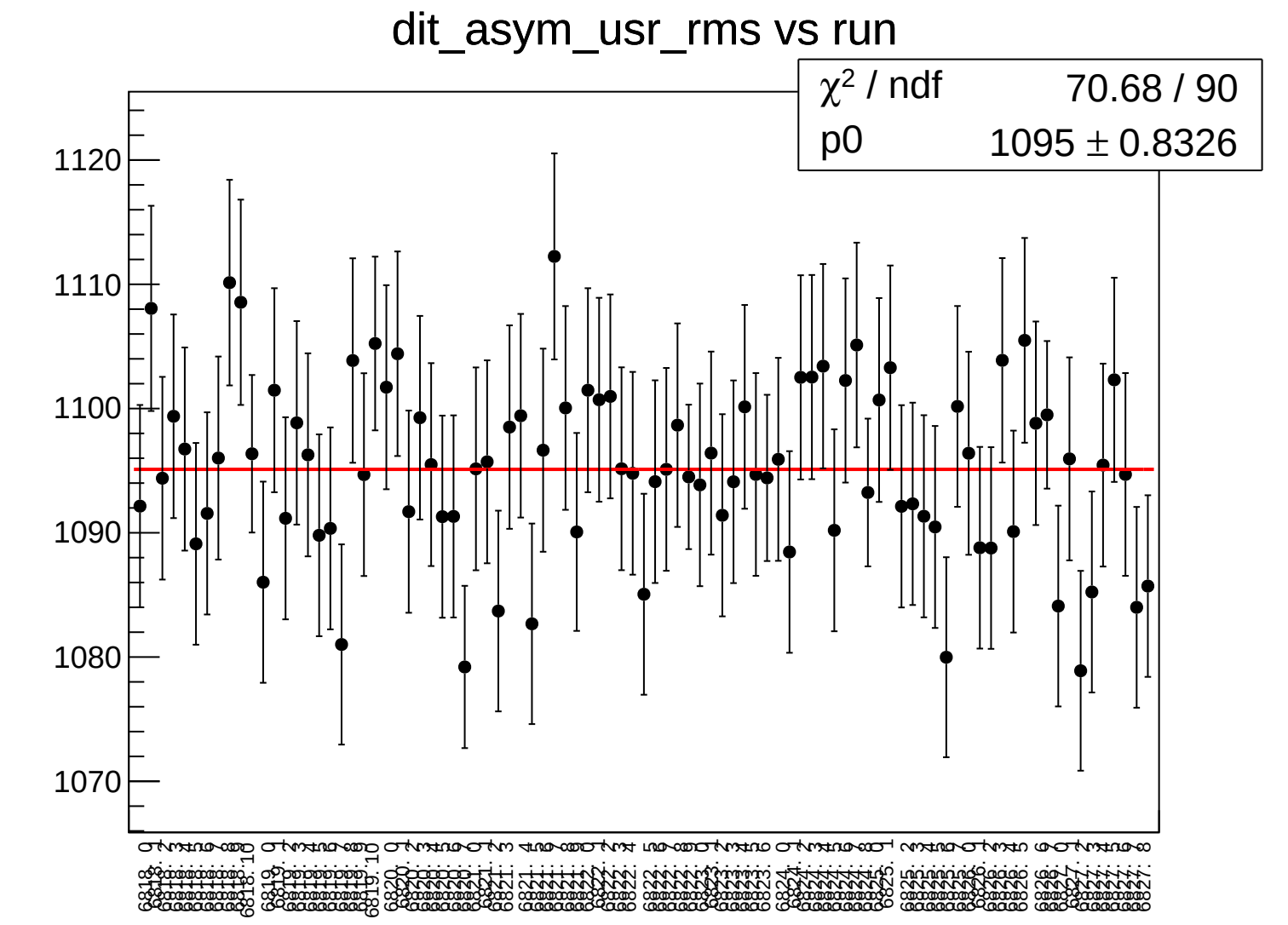

asym_usl_mean vs run
χ² / ndf 97.1 / 90
p0 −2053 ± 1748
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 91
Mean 1657
Std Dev 1609
2
1
0
−1
−2

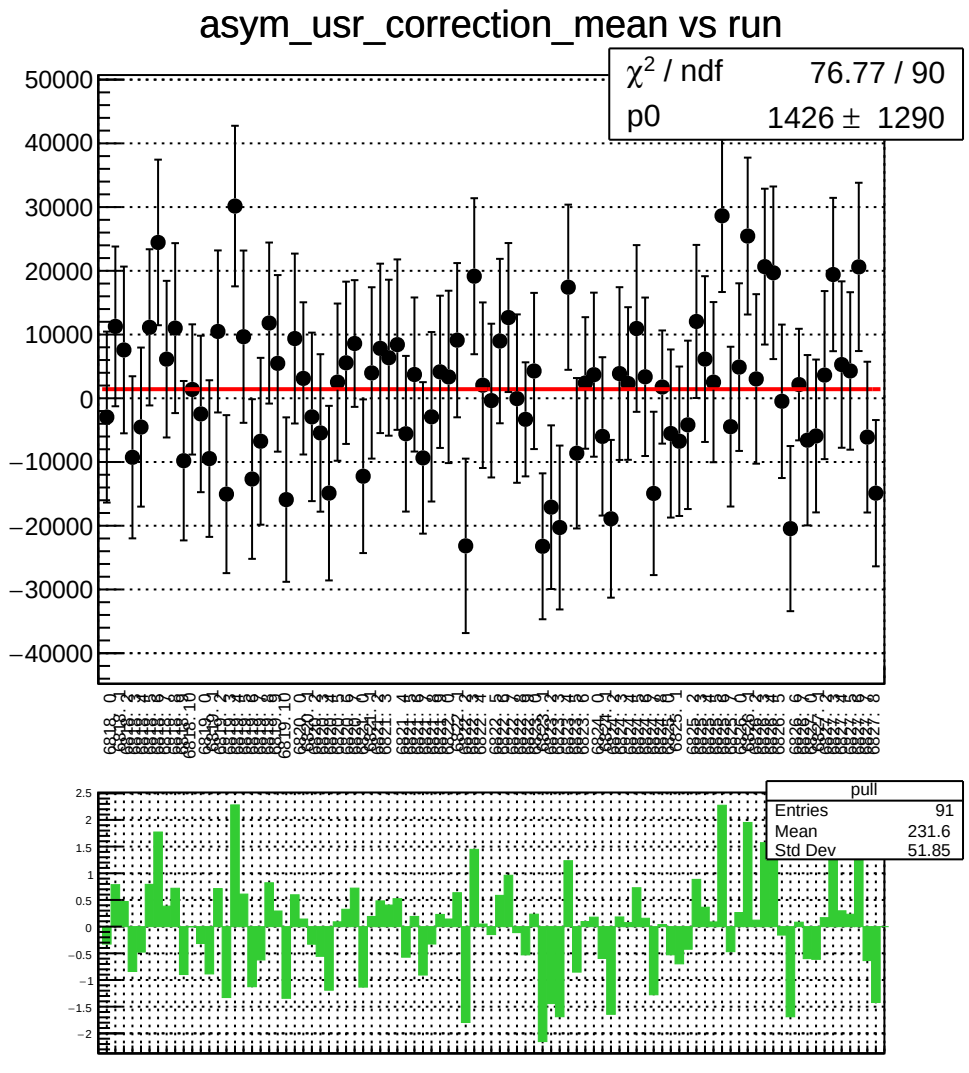

pull1D
Entries 91
Mean −0.002084
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

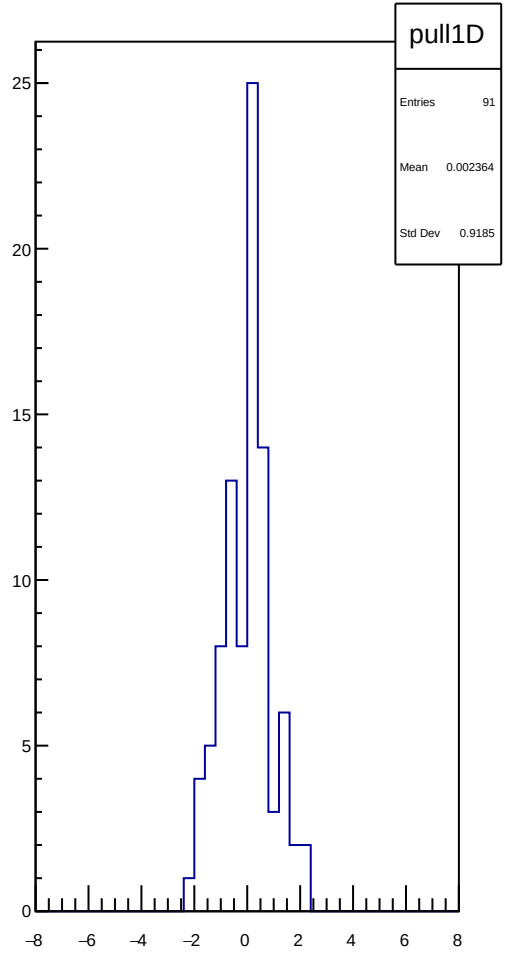

asym_usl_rms vs run
χ² / ndf 1866 / 90
p0 1624 ± 1.236
2000
1900
1800
1700
1600
1500

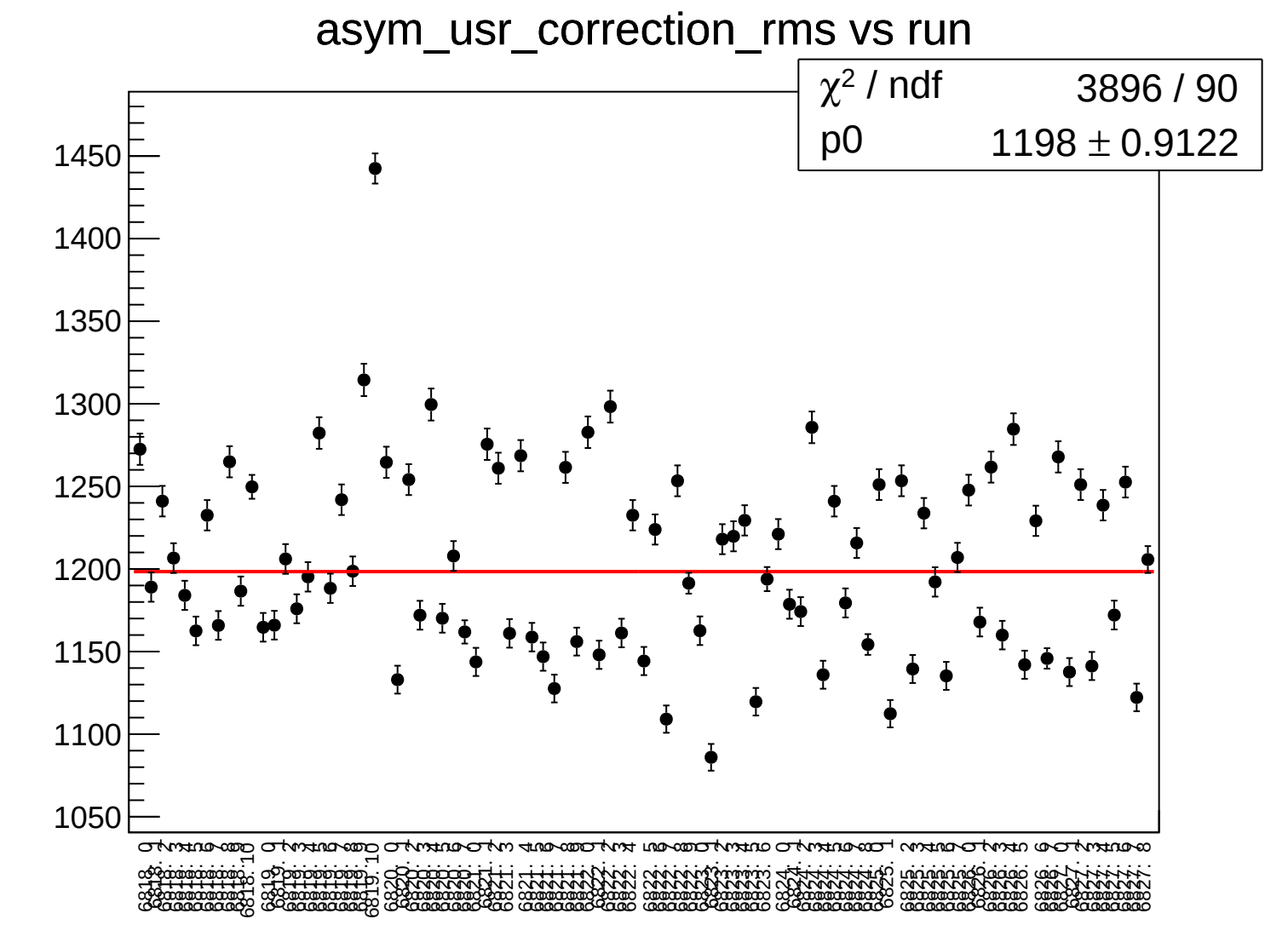

dit_asym_usr_mean vs run
χ² / ndf 81.78 / 90
p0 −1799 ± 1178
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 91
Mean 2194
Std Dev 2175
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

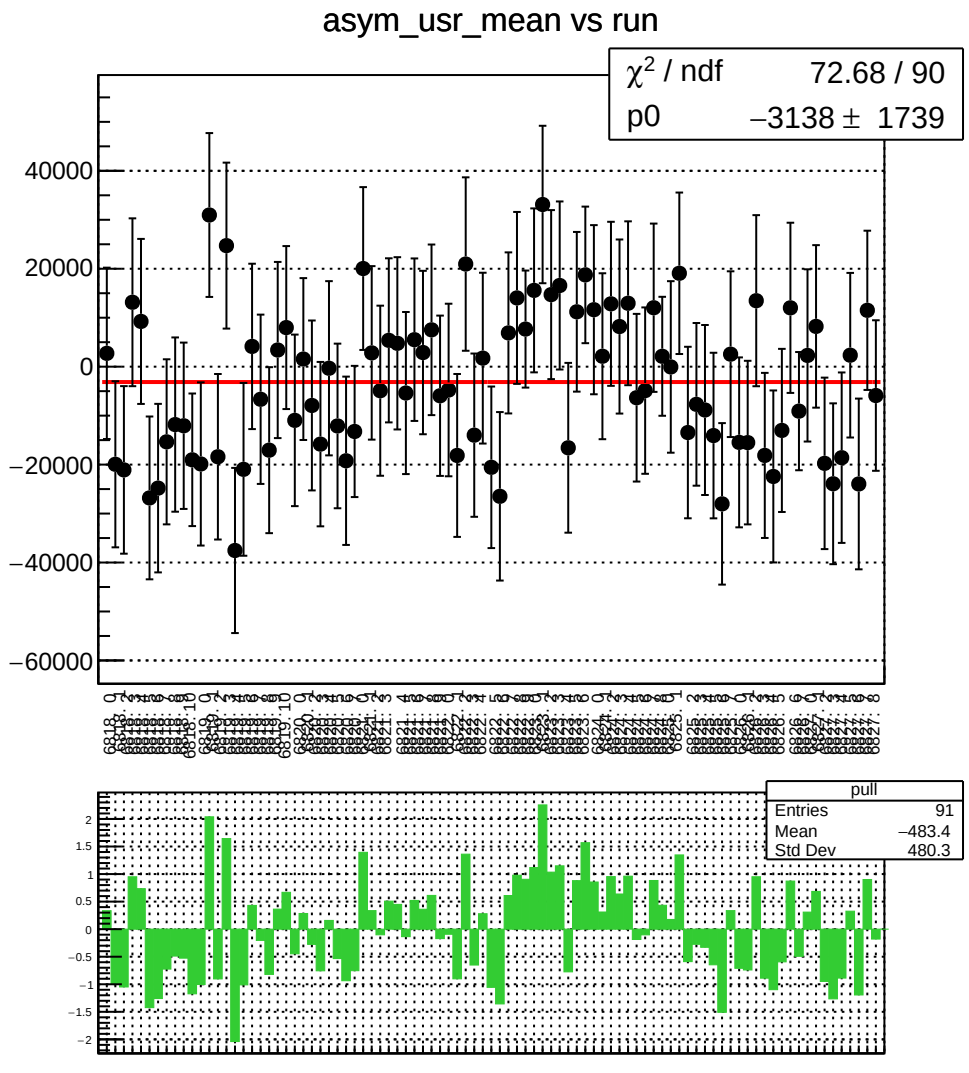

pull1D
Entries 91
Mean 0.001467
Std Dev 0.948
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

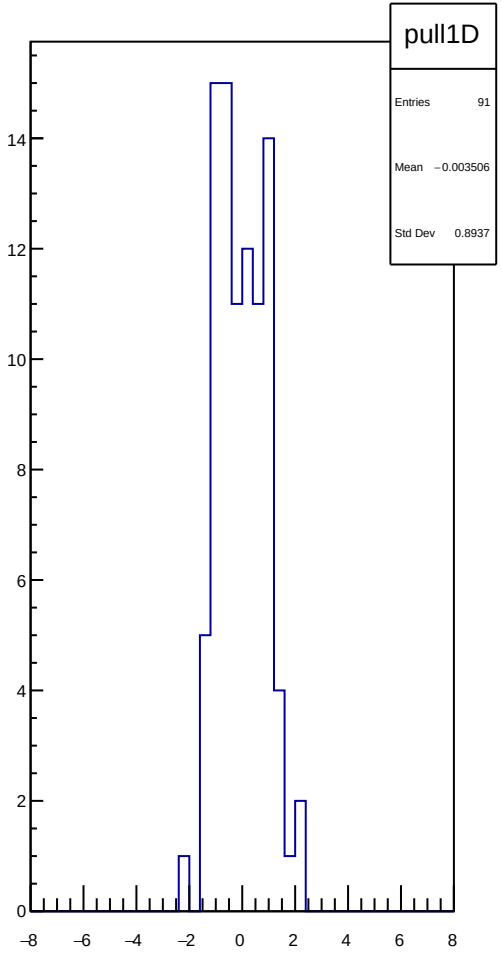

dit_asym_usr_rms vs run
χ² / ndf 70.68 / 90
p0 1095 ± 0.8326
1120
1110
1100
1090
1080
1070

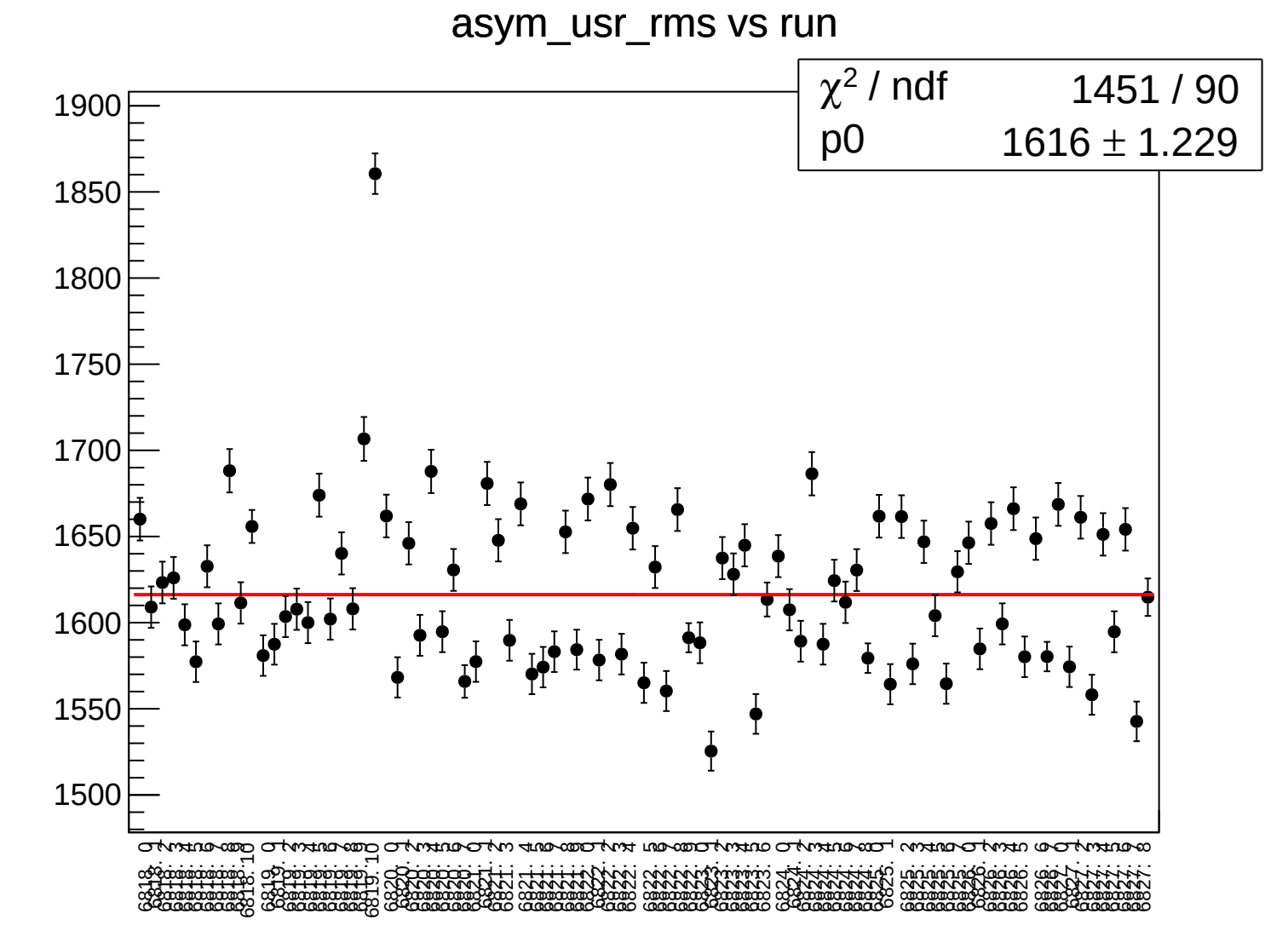

asym_usr_correction_mean vs run
χ² / ndf 76.77 / 90
p0 1426 ± 1290
pull
Entries 91
Mean 231.6
Std Dev 51.85

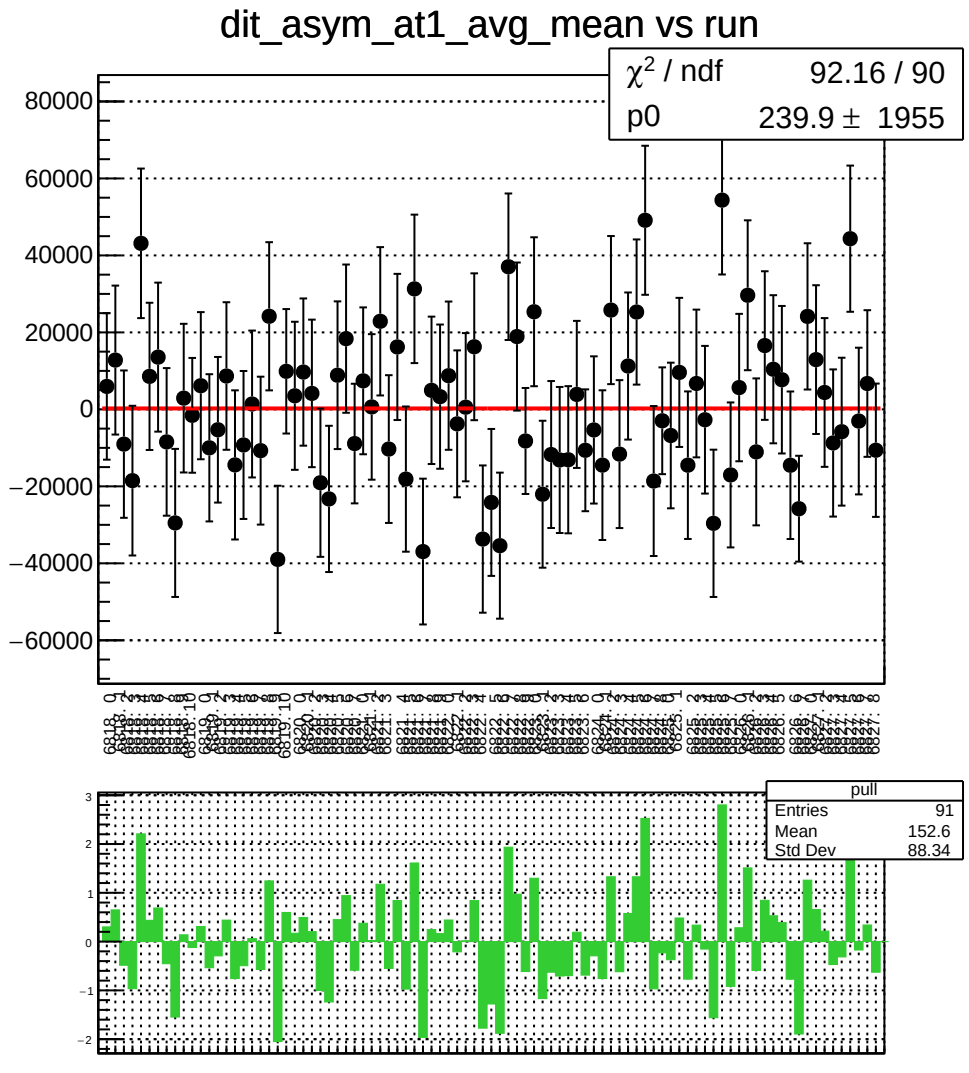

pull1D
Entries 91
Mean 0.002364
Std Dev 0.9185

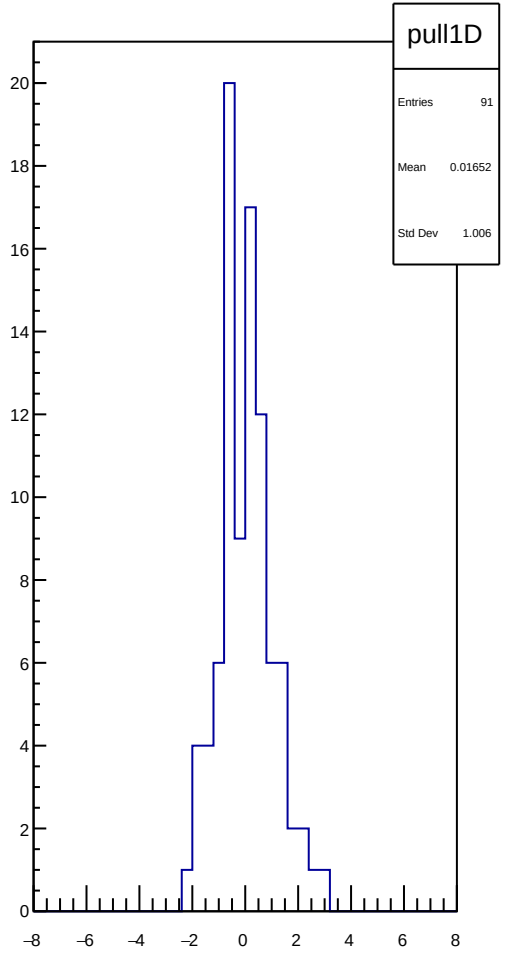

asym_usr_correction_rms vs run
χ² / ndf 3896 / 90
p0 1198 ± 0.9122
1450
1400
1350
1300
1250
1200
1150
1100
1050

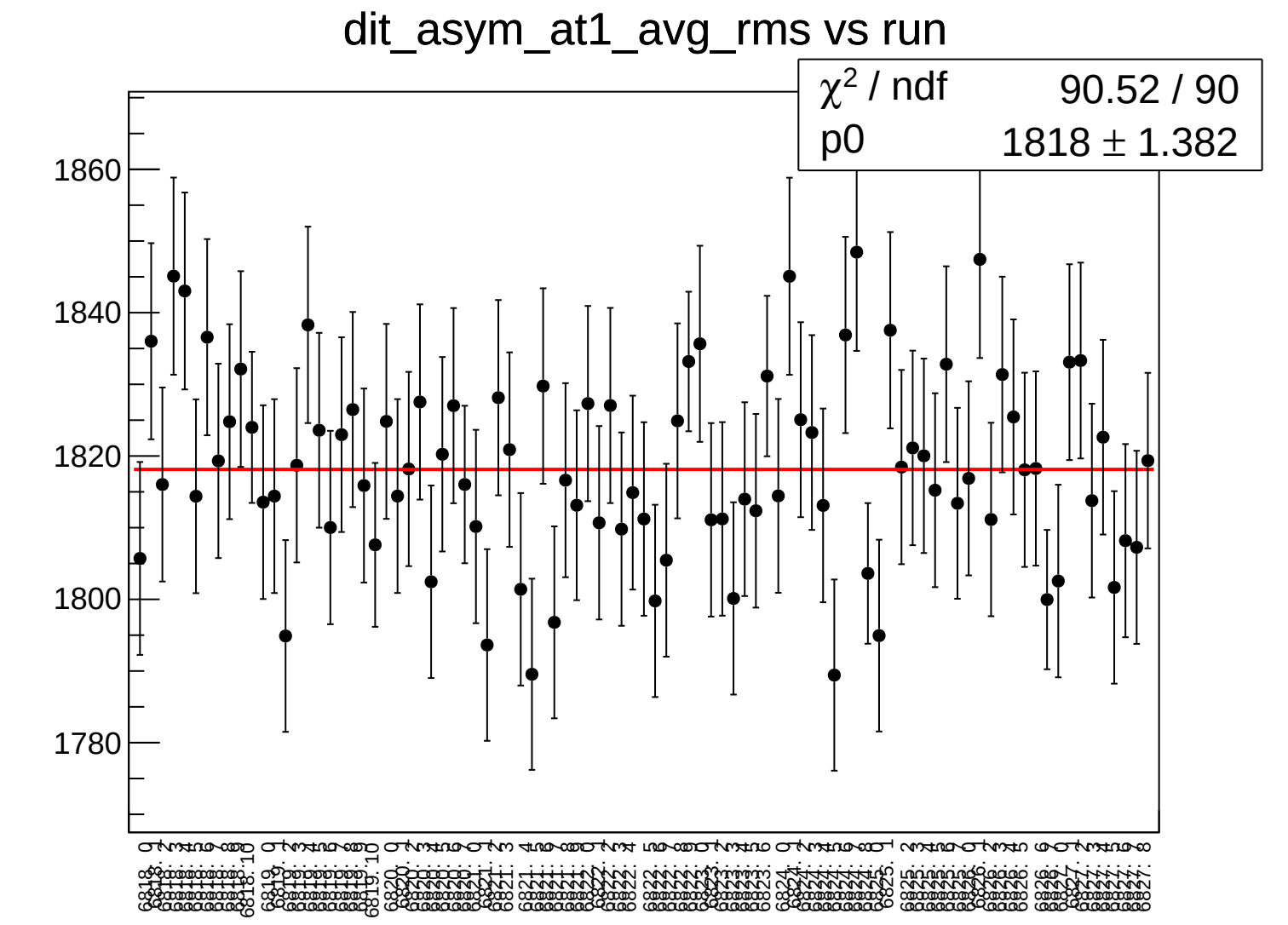

asym_usr_mean vs run
χ² / ndf 72.68 / 90
p0 −3138 ± 1739
40000
20000
0
−20000
−40000
−60000
pull
Entries 91
Mean −483.4
Std Dev 480.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

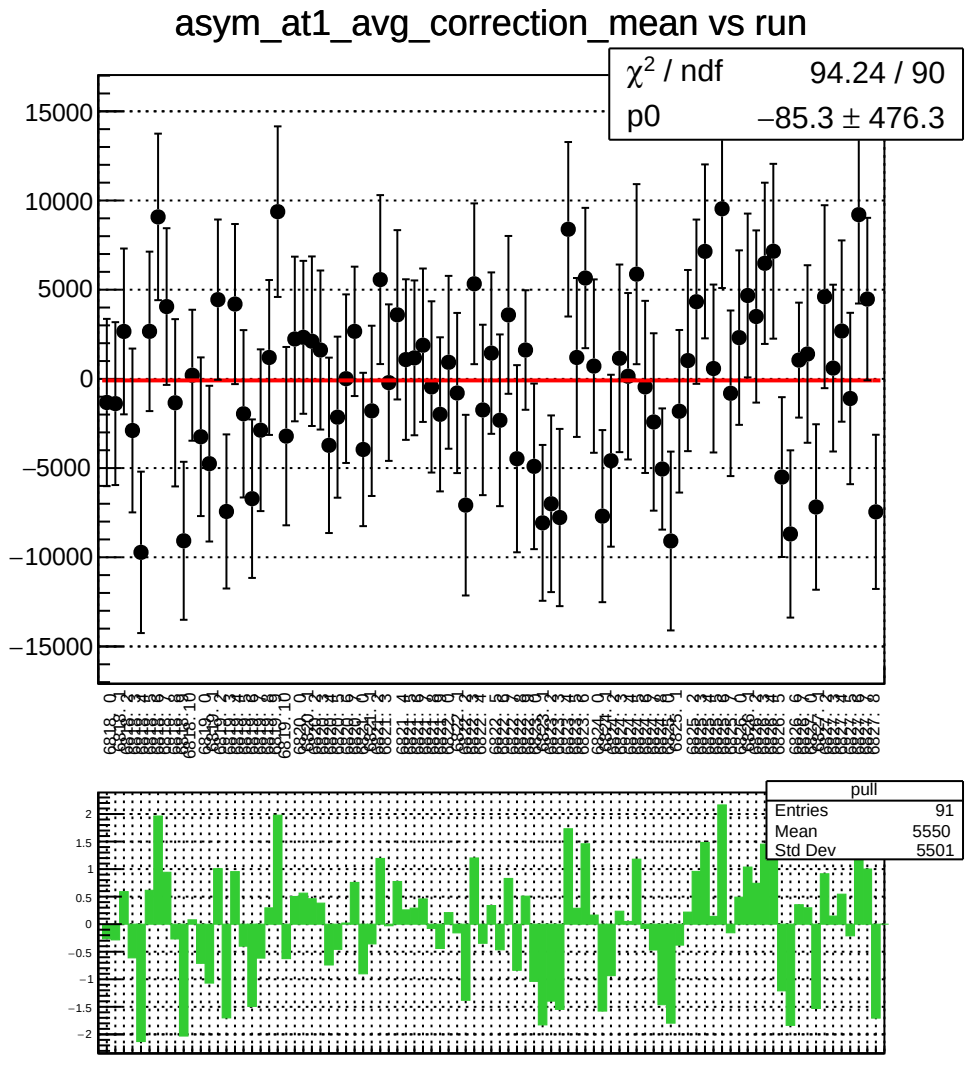

pull1D
Entries 91
Mean −0.003506
Std Dev 0.8937
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

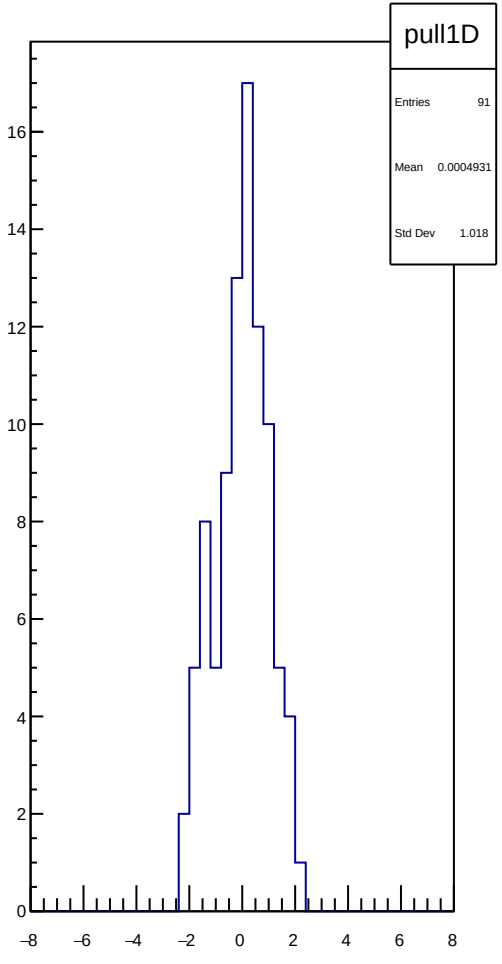

asym_usr_rms vs run
χ^2 / ndf 1451 / 90
p0 1616 ± 1.229
1900
1850
1800
1750
1700
1650
1600
1550
1500

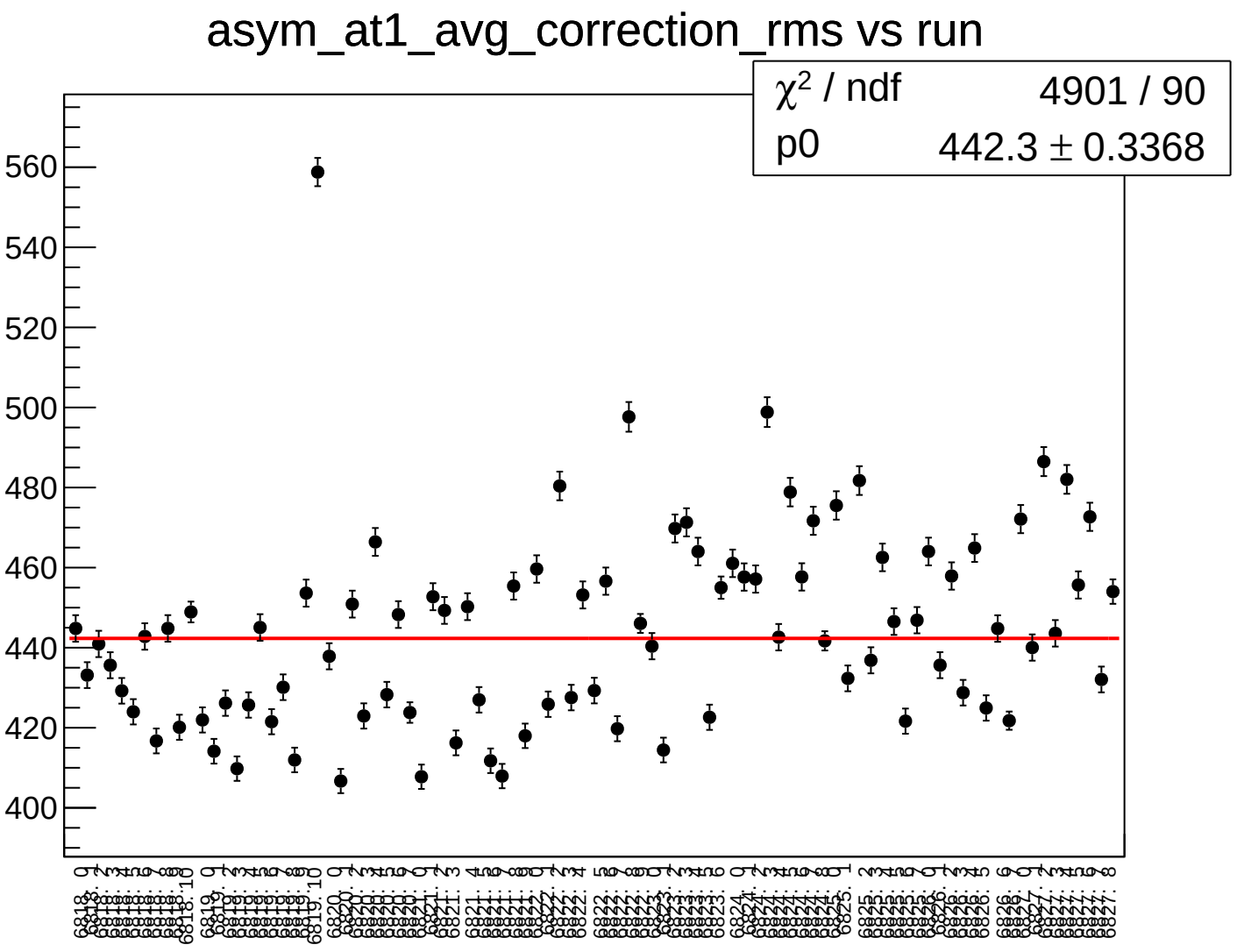

dit_asym_at1_avg_mean vs run
χ² / ndf 92.16 / 90
p0 239.9 ± 1955
pull
Entries 91
Mean 152.6
Std Dev 88.34

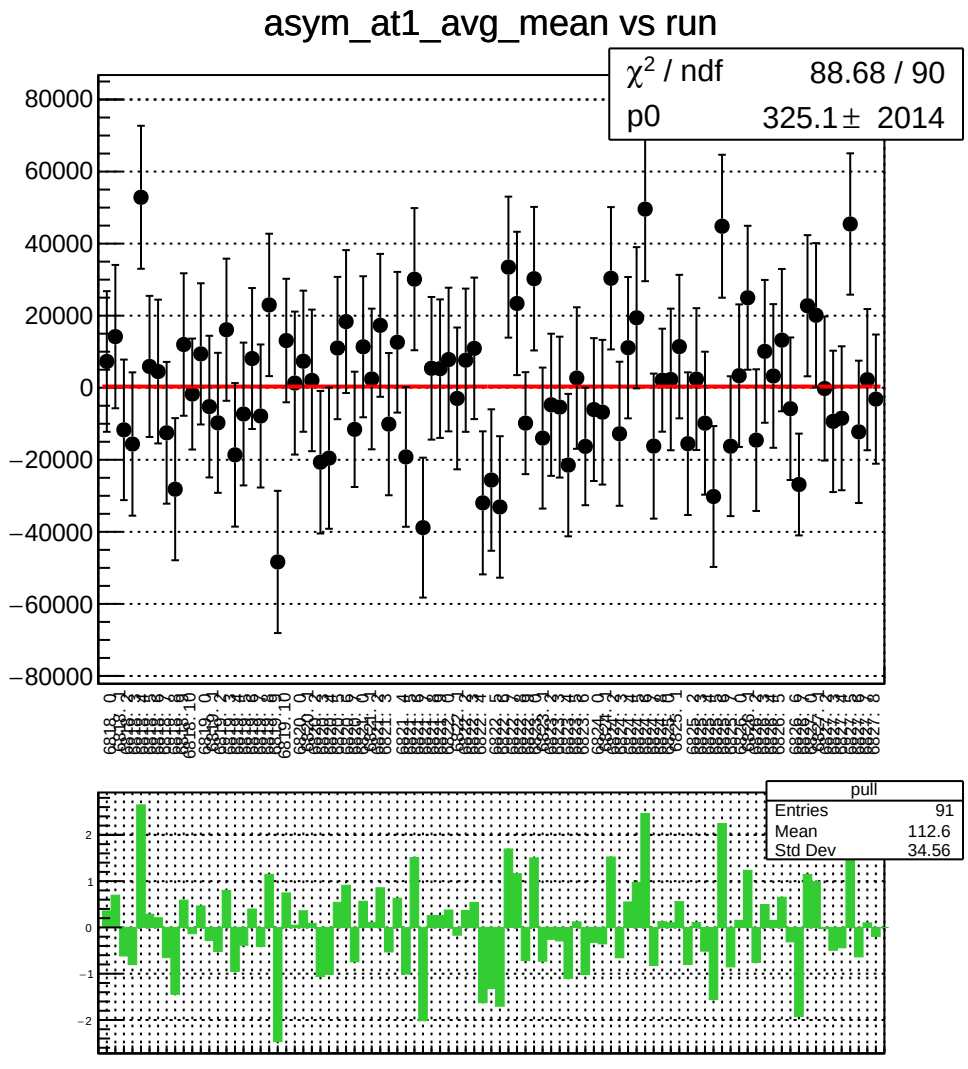

pull1D
Entries 91
Mean 0.01652
Std Dev 1.006

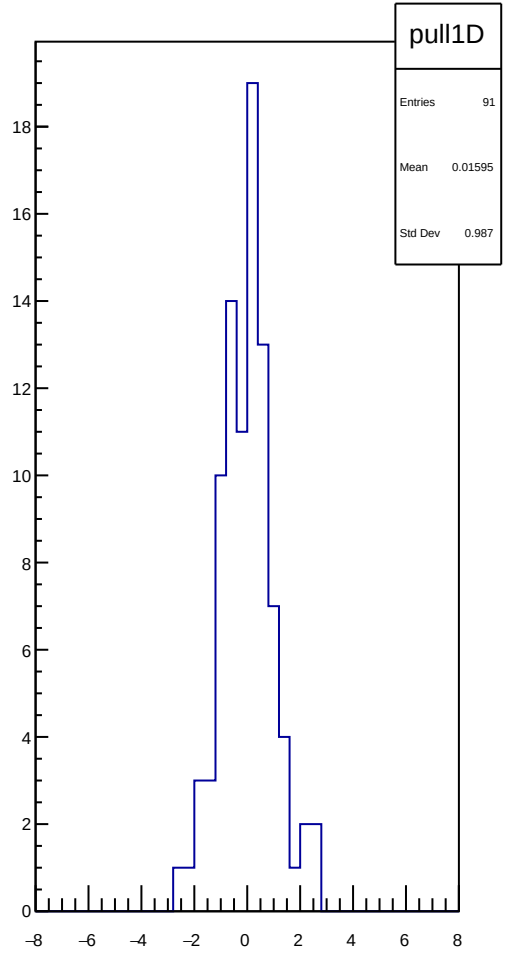

dit_asym_at1_avg_rms vs run
χ^2 / ndf 90.52 / 90
p0 1818 ± 1.382
1860
1840
1820
1800
1780

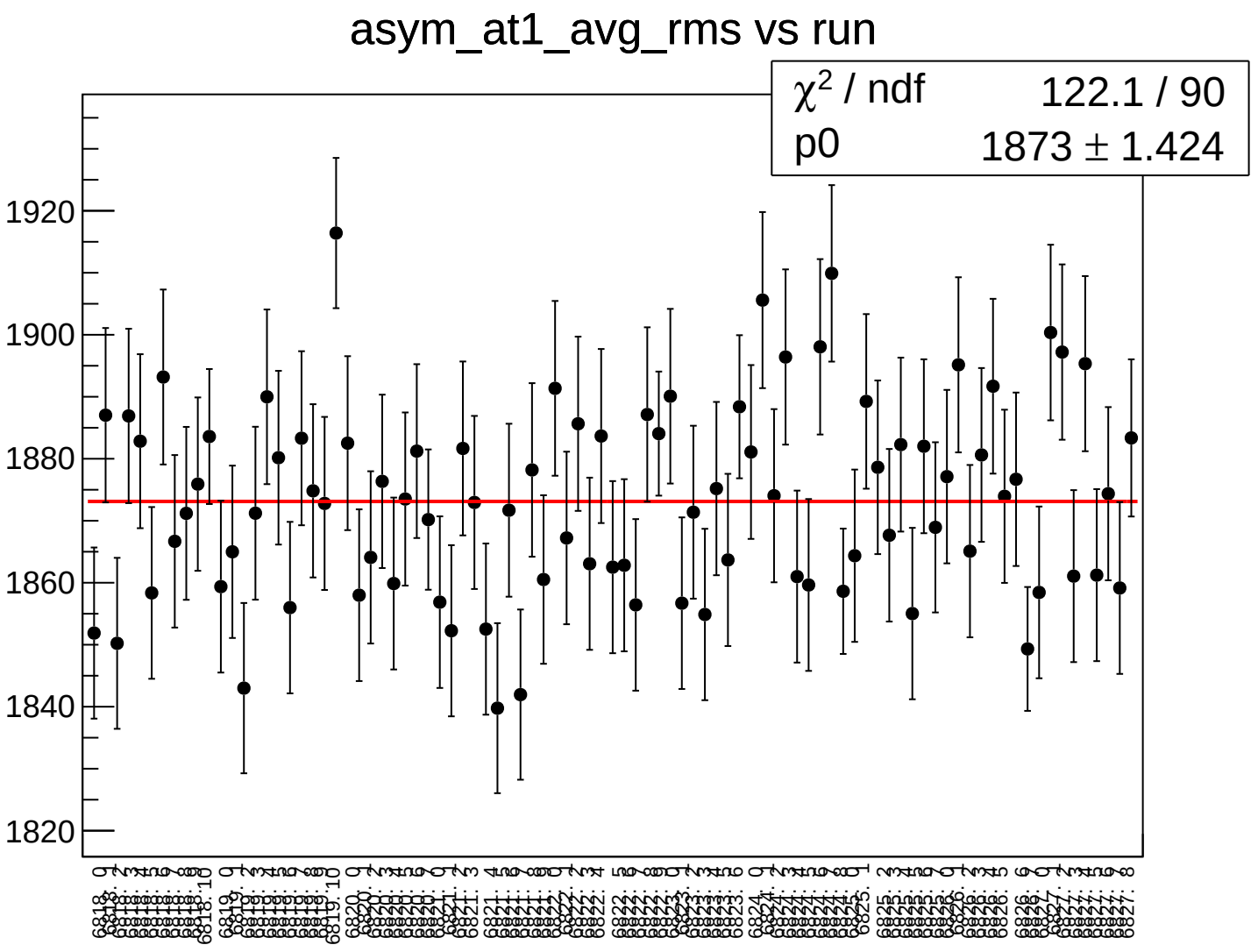

asym_at1_avg_correction_mean vs run
χ² / ndf 94.24 / 90
p0 −85.3 ± 476.3
pull
Entries 91
Mean 5550
Std Dev 5501

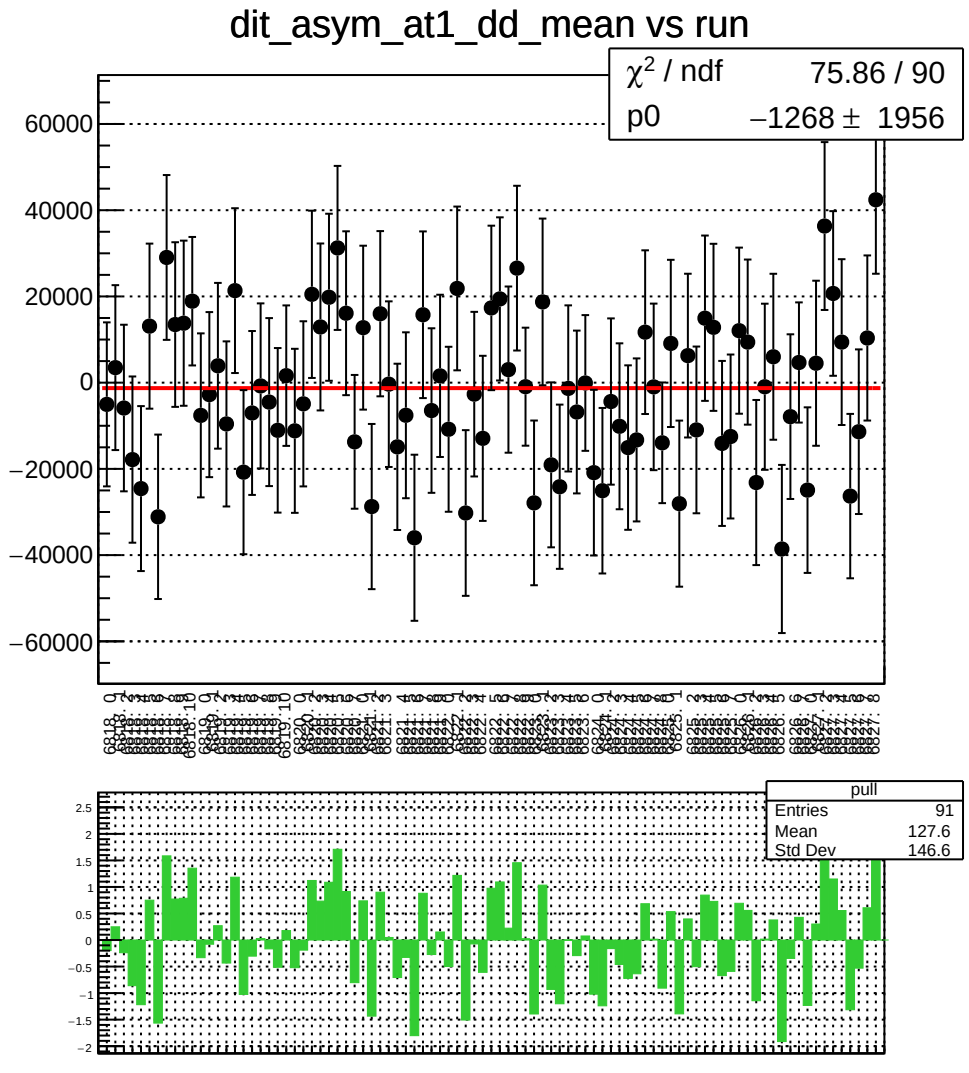

pull1D
Entries 91
Mean 0.0004931
Std Dev 1.018

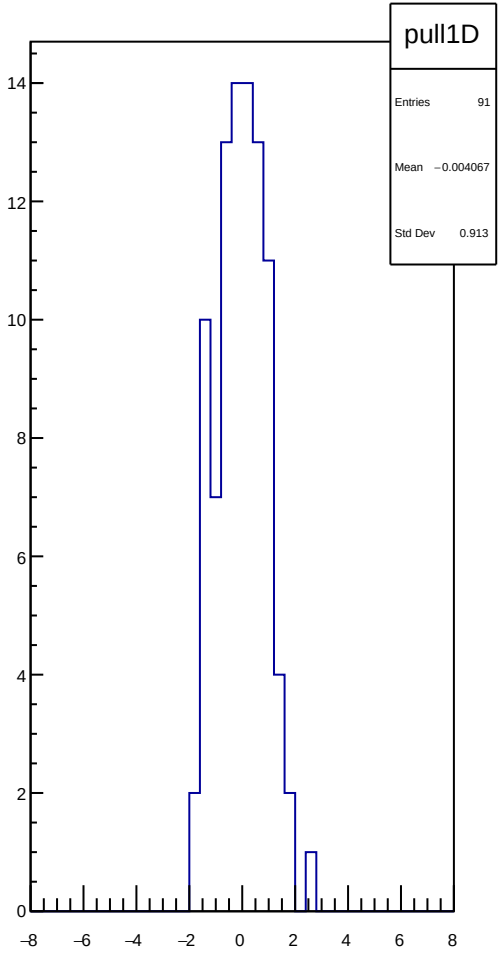

asym_at1_avg_correction_rms vs run
χ² / ndf 4901 / 90
p0 442.3 ± 0.3368
560
540
520
500
480
460
440
420
400

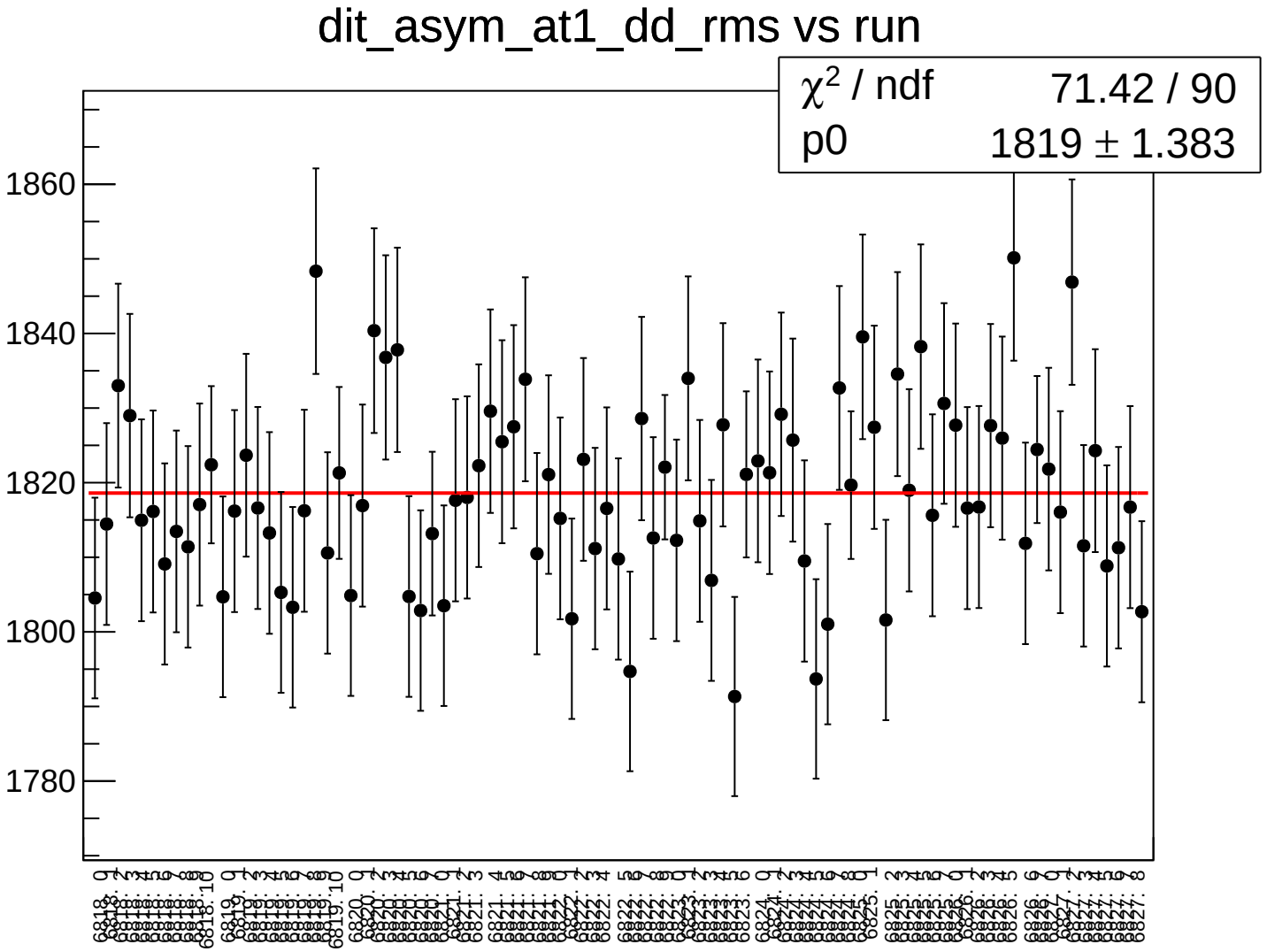

asym_at1_avg_mean vs run
χ² / ndf 88.68 / 90
p0 325.1 ± 2014
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 91
Mean 112.6
Std Dev 34.56
2
1
0
−1
−2

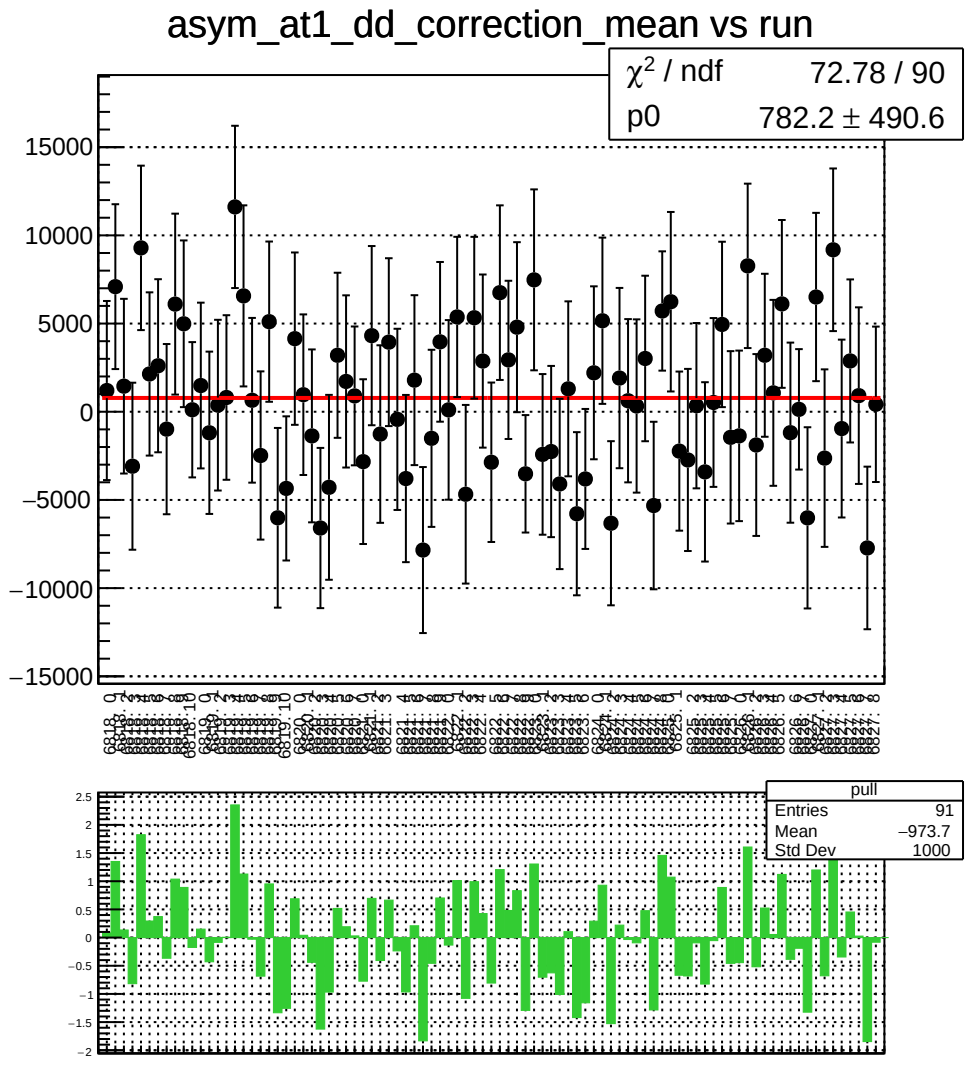

pull1D
Entries 91
Mean 0.01595
Std Dev 0.987
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

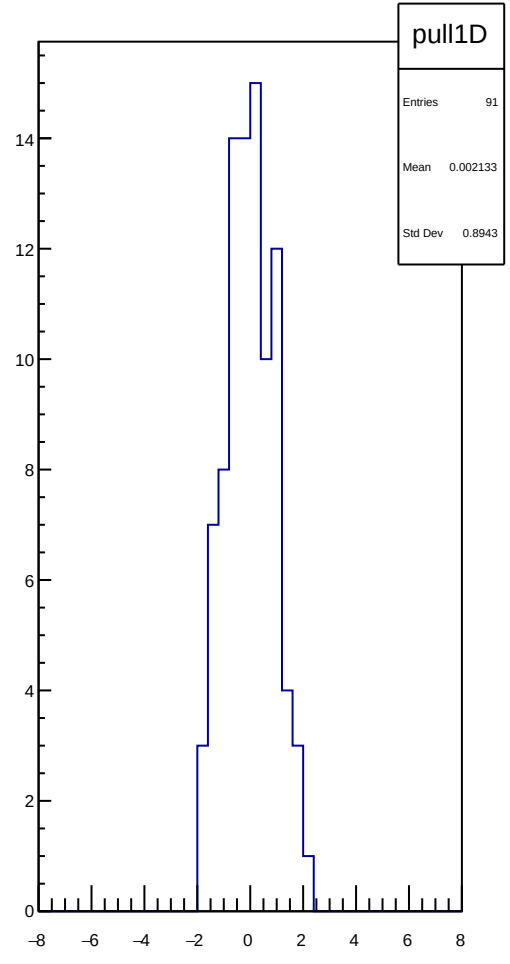

asym_at1_avg_rms vs run
χ^2 / ndf 122.1 / 90
p0 1873 ± 1.424
1920
1900
1880
1860
1840
1820

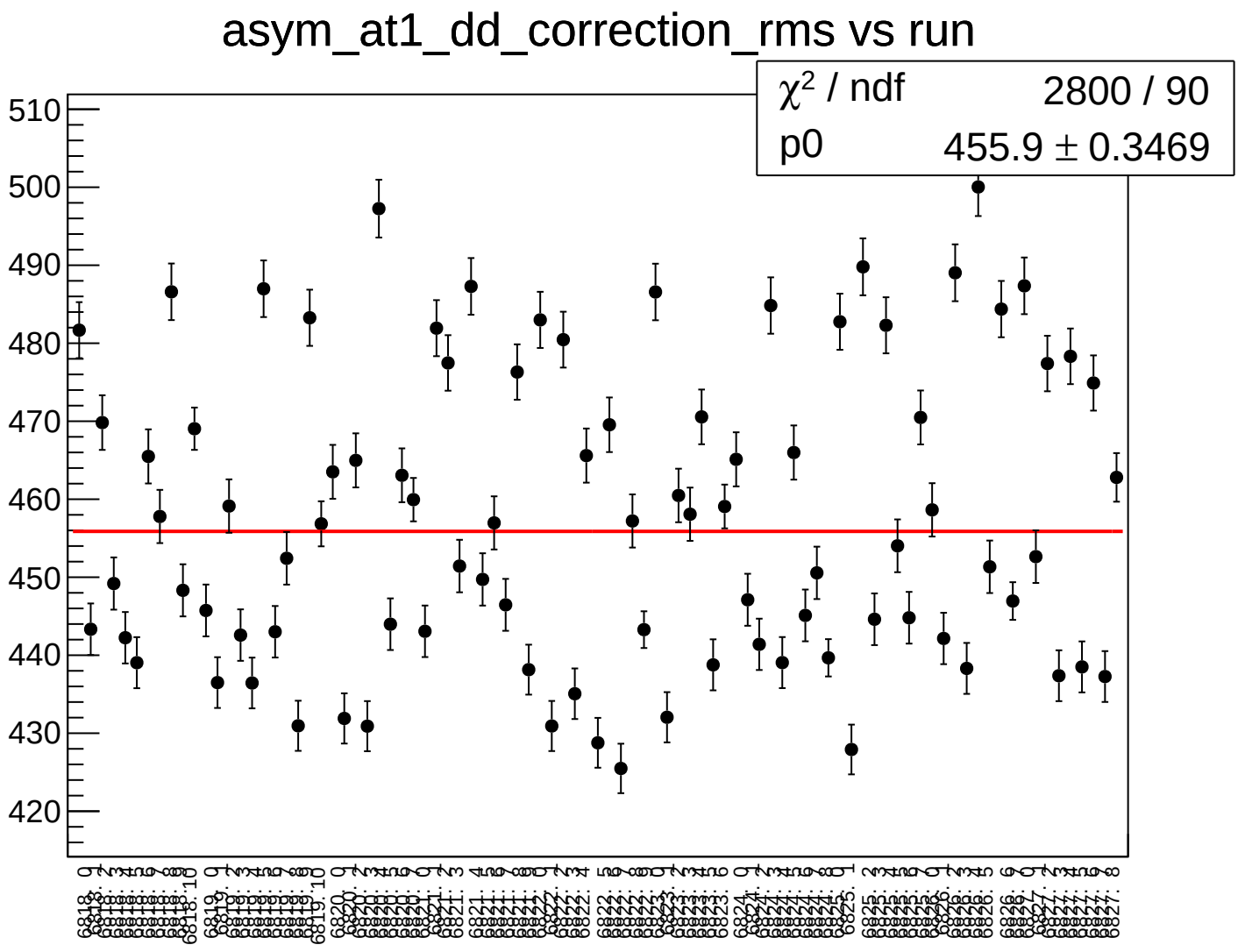

dit_asym_at1_dd_mean vs run
χ² / ndf 75.86 / 90
p0 −1268 ± 1956
pull
Entries 91
Mean 127.6
Std Dev 146.6

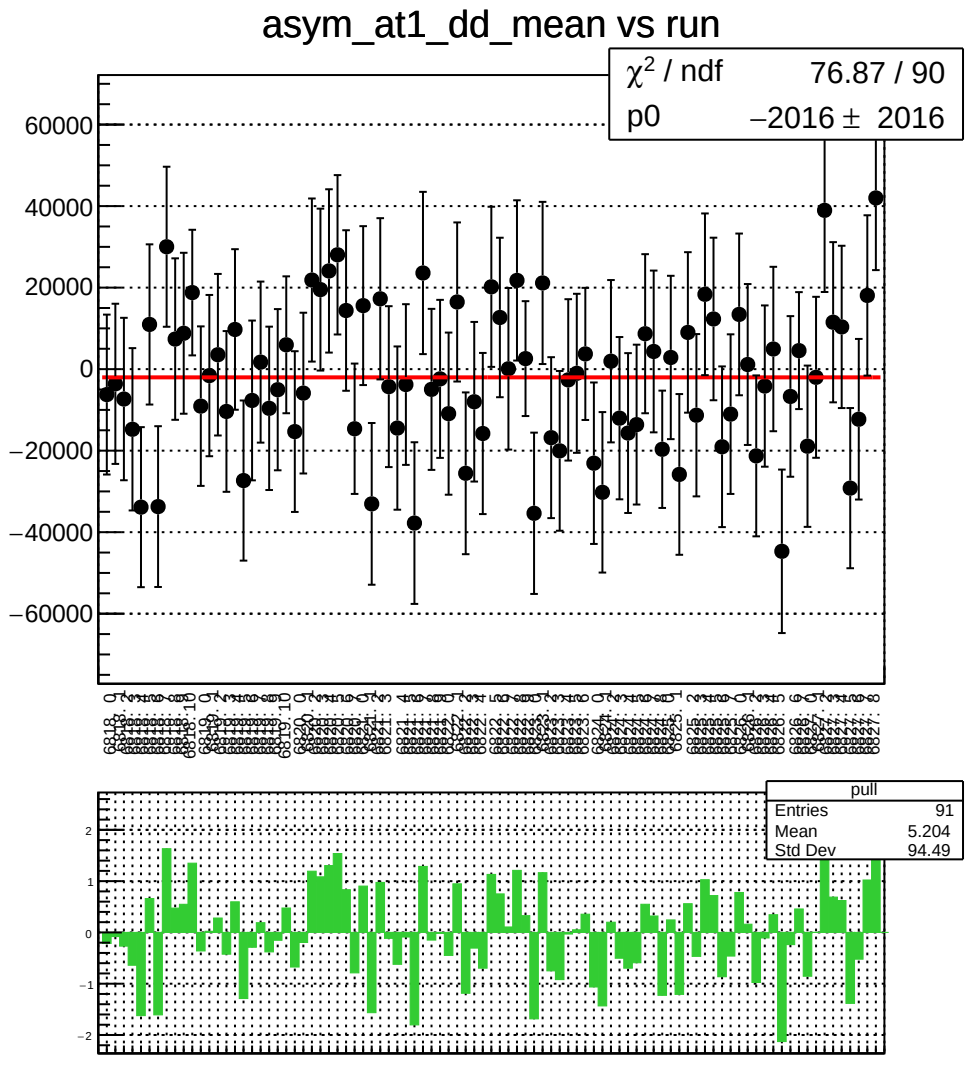

pull1D
Entries 91
Mean −0.004067
Std Dev 0.913

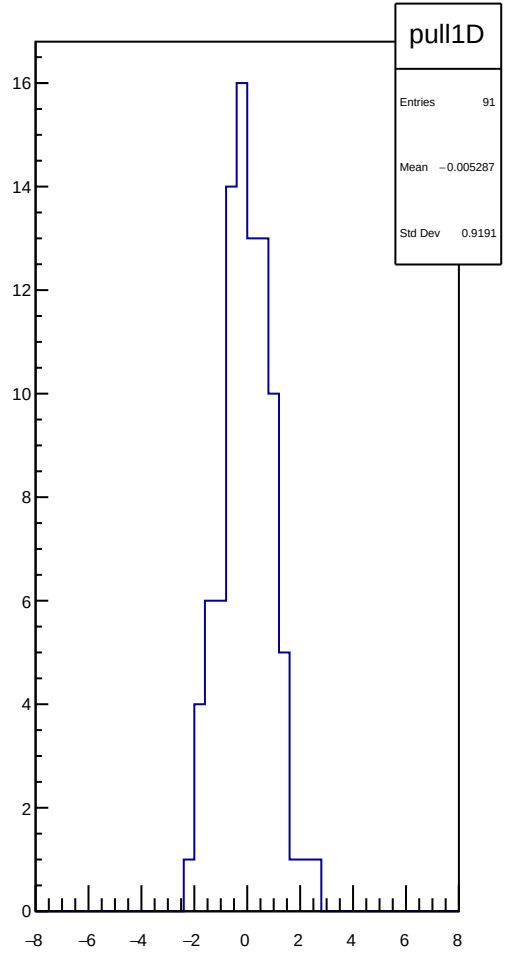

dit_asym_at1_dd_rms vs run
χ^2 / ndf 71.42 / 90
p0 1819 ± 1.383
1860
1840
1820
1800
1780

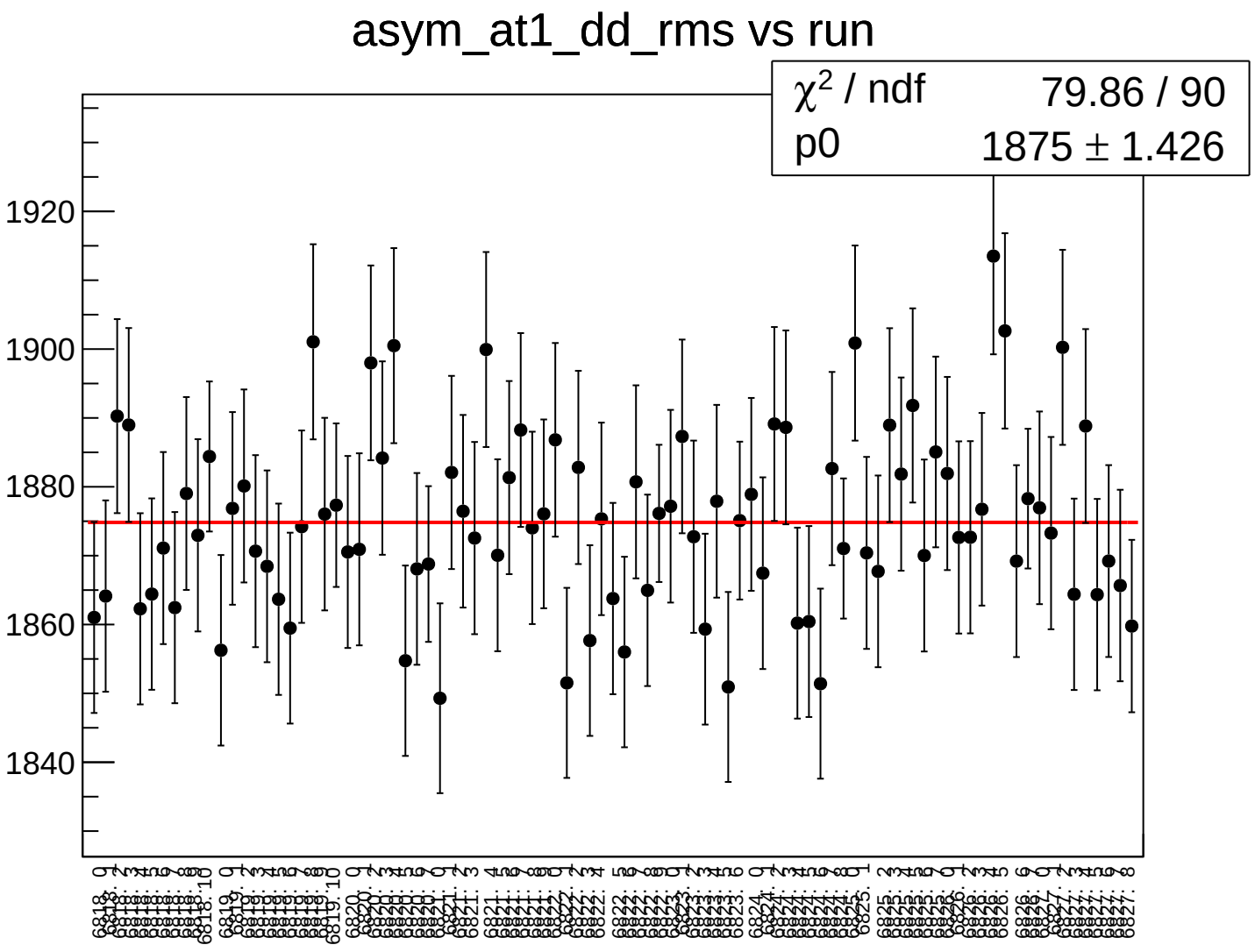

asym_at1_dd_correction_mean vs run
χ² / ndf 72.78 / 90
p0 782.2 ± 490.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean −973.7
Std Dev 1000
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

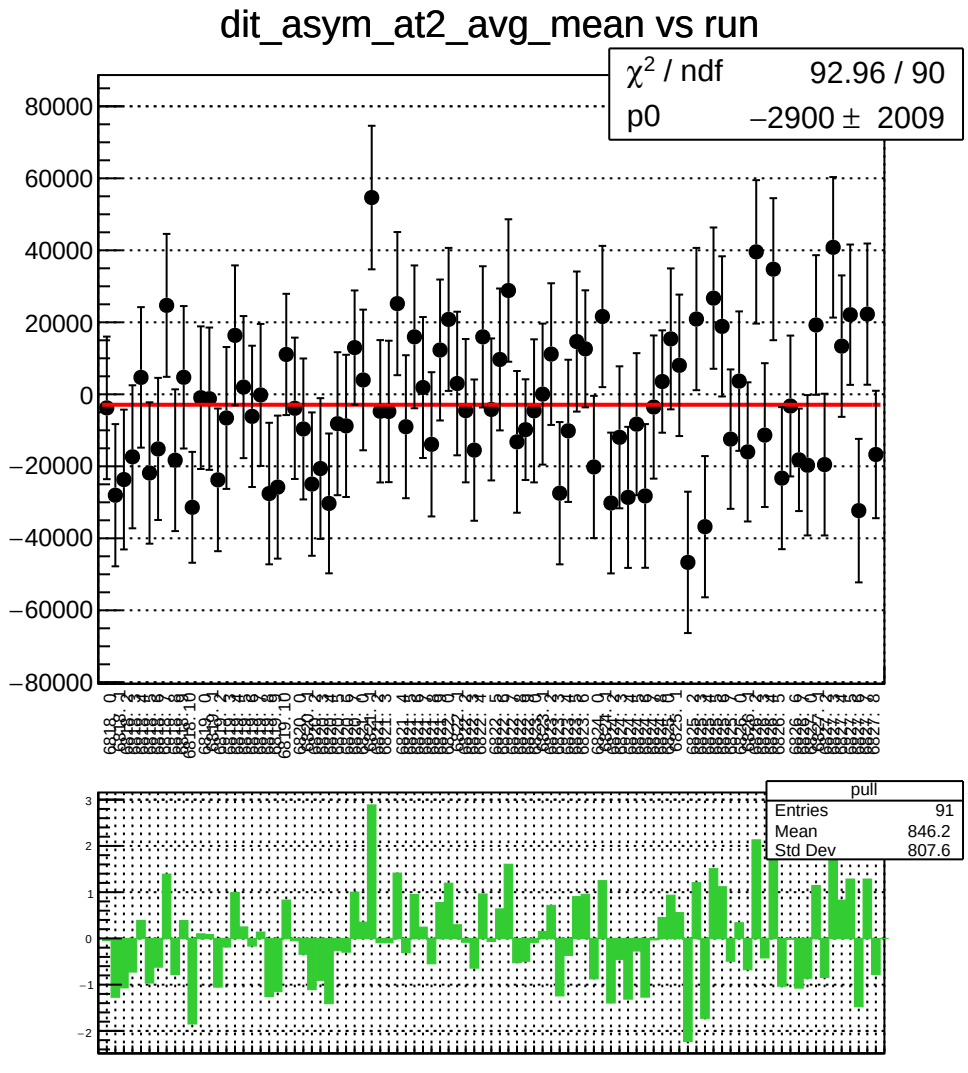

pull1D
Entries 91
Mean 0.002133
Std Dev 0.8943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

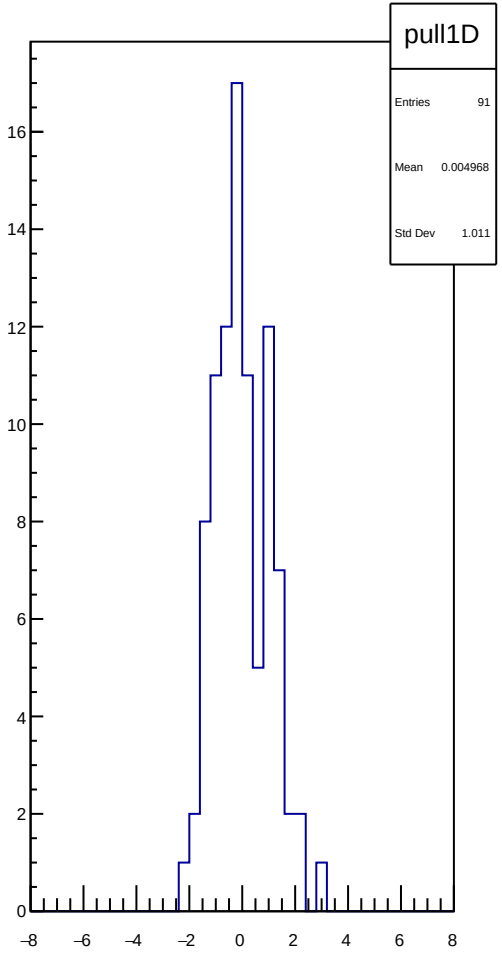

asym_at1_dd_correction_rms vs run
χ² / ndf 2800 / 90
p0 455.9 ± 0.3469
510
500
490
480
470
460
450
440
430
420

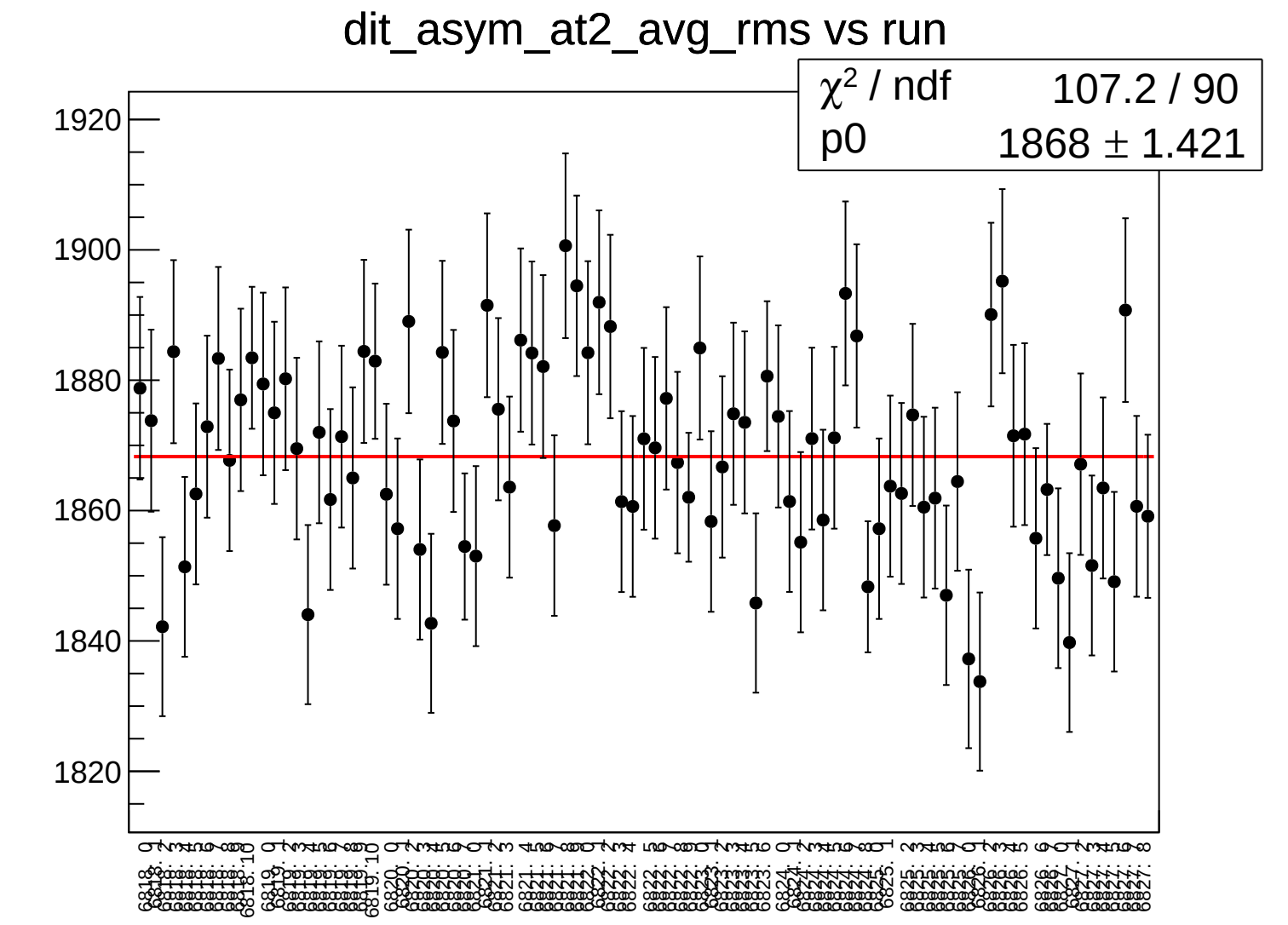

asym_at1_dd_mean vs run
χ² / ndf 76.87 / 90
p0 −2016 ± 2016
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 91
Mean 5.204
Std Dev 94.49
2
1
0
−1
−2

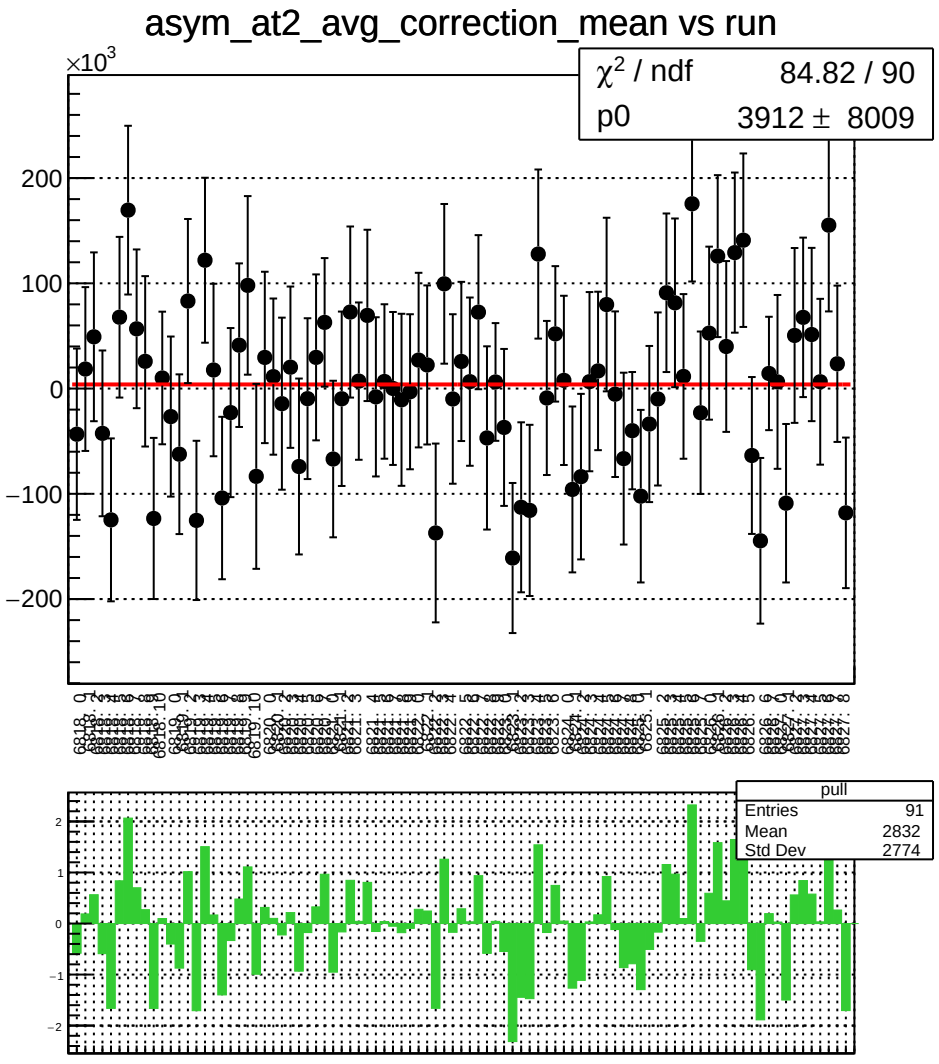

pull1D
Entries 91
Mean −0.005287
Std Dev 0.9191
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

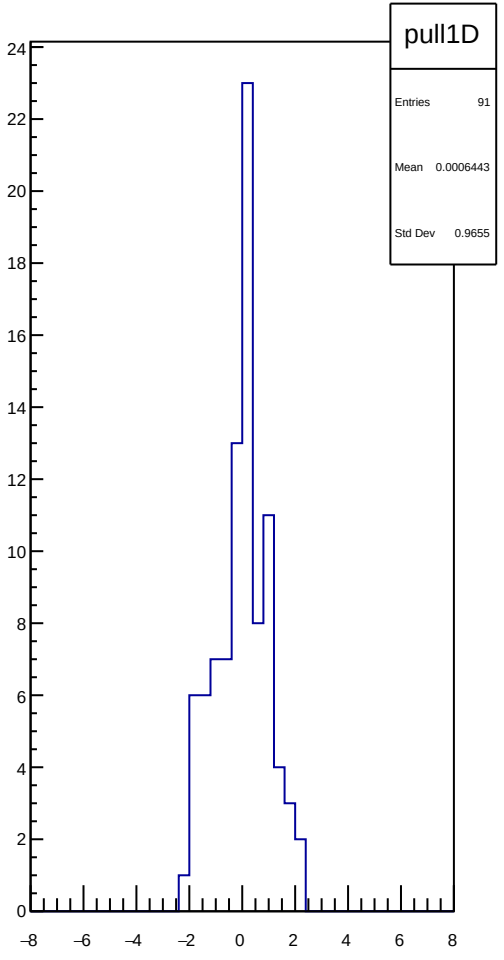

asym_at1_dd_rms vs run
χ² / ndf 79.86 / 90
p0 1875 ± 1.426
1920
1900
1880
1860
1840

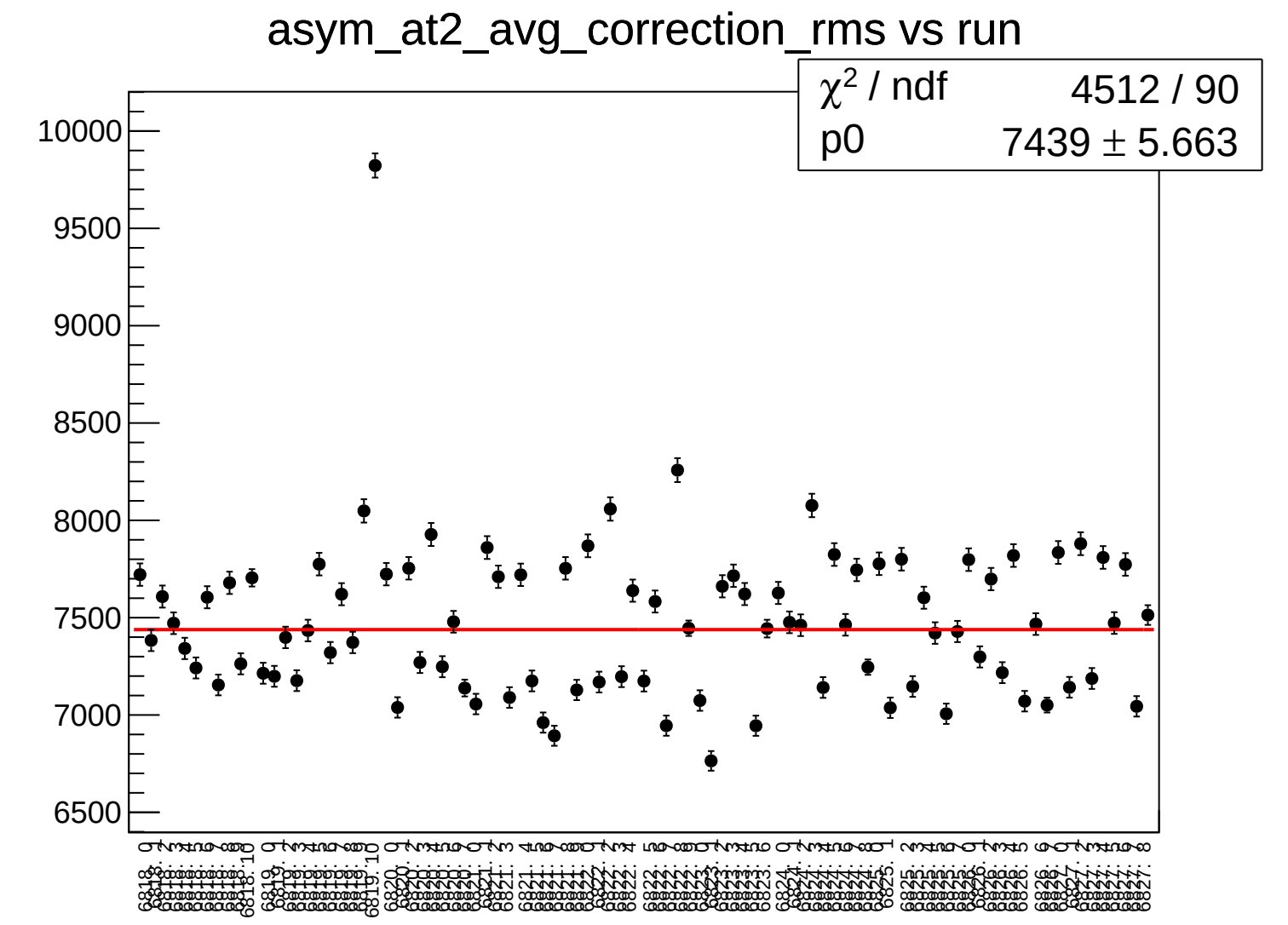

dit_asym_at2_avg_mean vs run
χ² / ndf 92.96 / 90
p0 −2900 ± 2009
pull
Entries 91
Mean 846.2
Std Dev 807.6

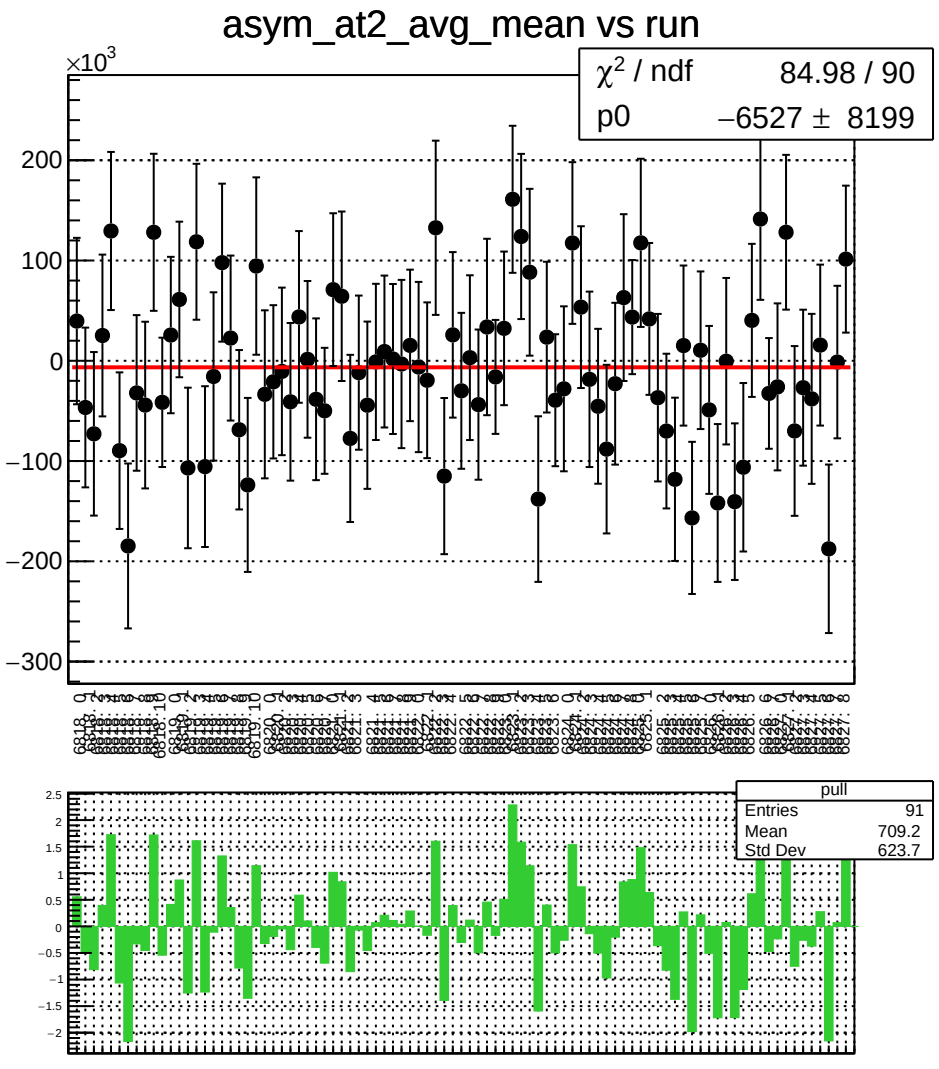

pull1D
Entries 91
Mean 0.004968
Std Dev 1.011

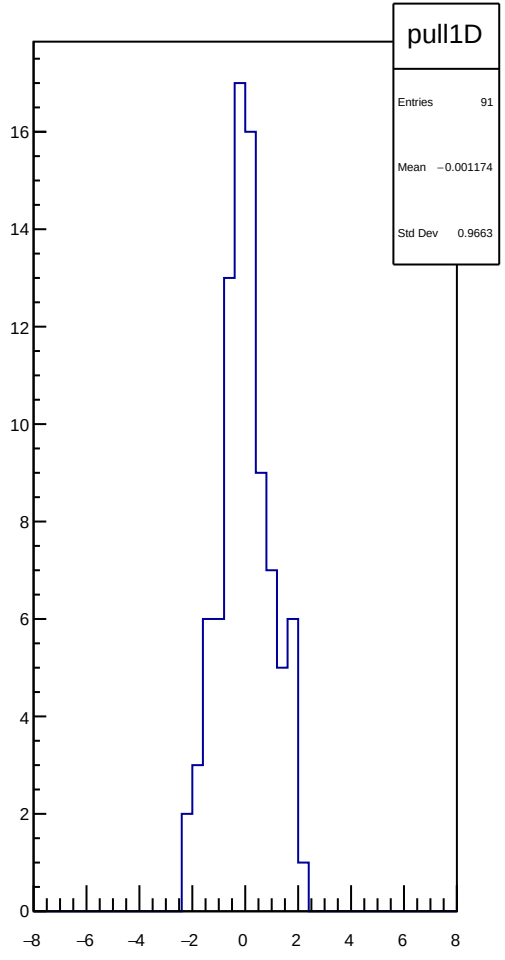

dit_asym_at2_avg_rms vs run
χ² / ndf 107.2 / 90
p0 1868 ± 1.421
1920
1900
1880
1860
1840
1820

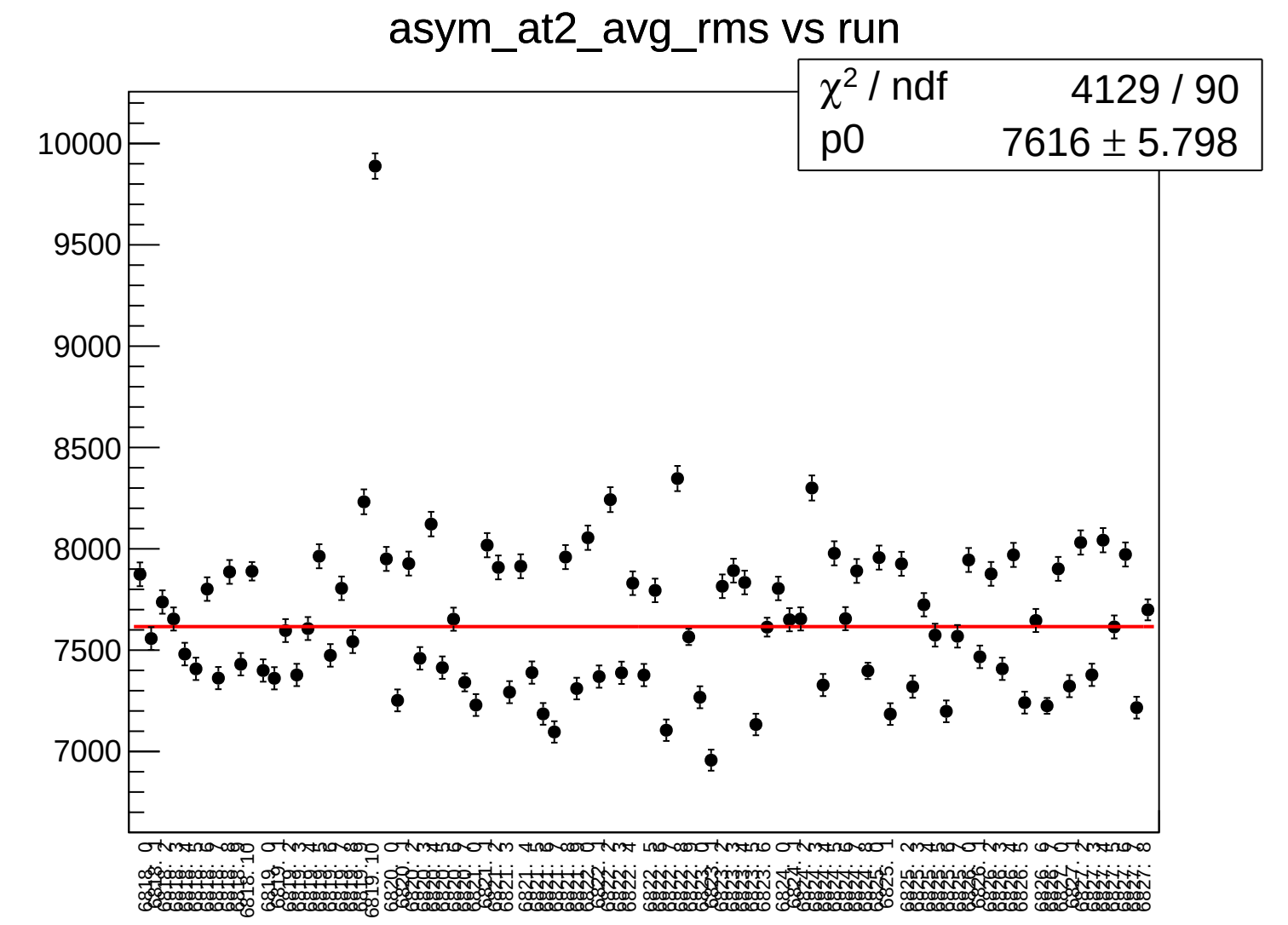

asym_at2_avg_correction_mean vs run
χ² / ndf 84.82 / 90
p0 3912 ± 8009
×10³
pull
Entries 91
Mean 2832
Std Dev 2774

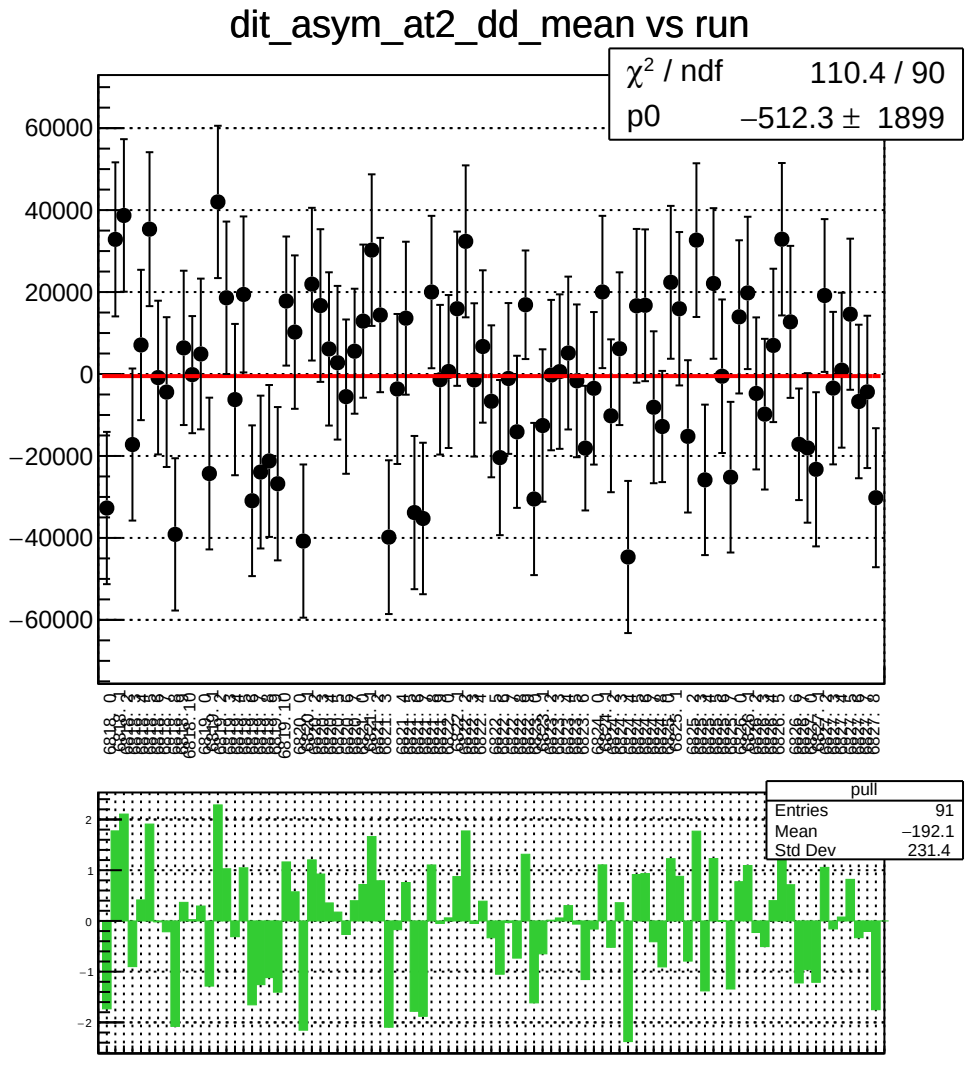

pull1D
Entries 91
Mean 0.0006443
Std Dev 0.9655

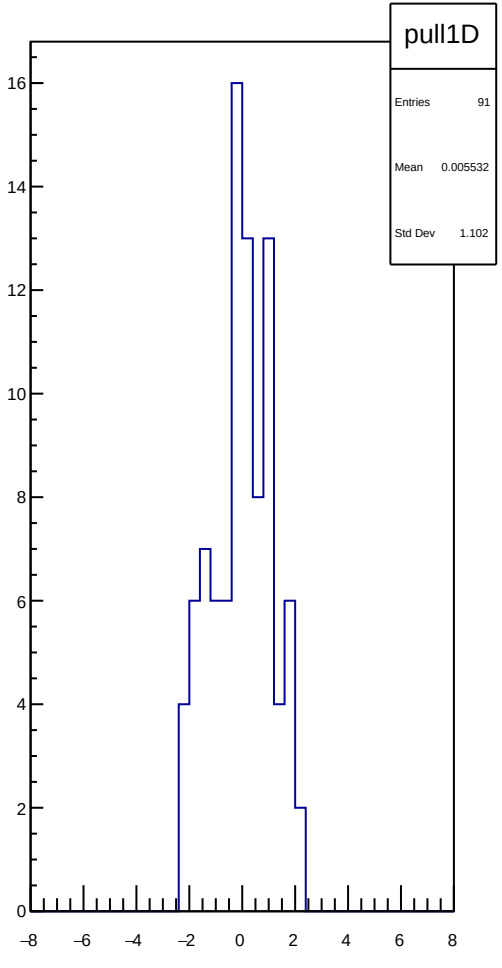

asym_at2_avg_correction_rms vs run
χ² / ndf 4512 / 90
p0 7439 ± 5.663
10000
9500
9000
8500
8000
7500
7000
6500

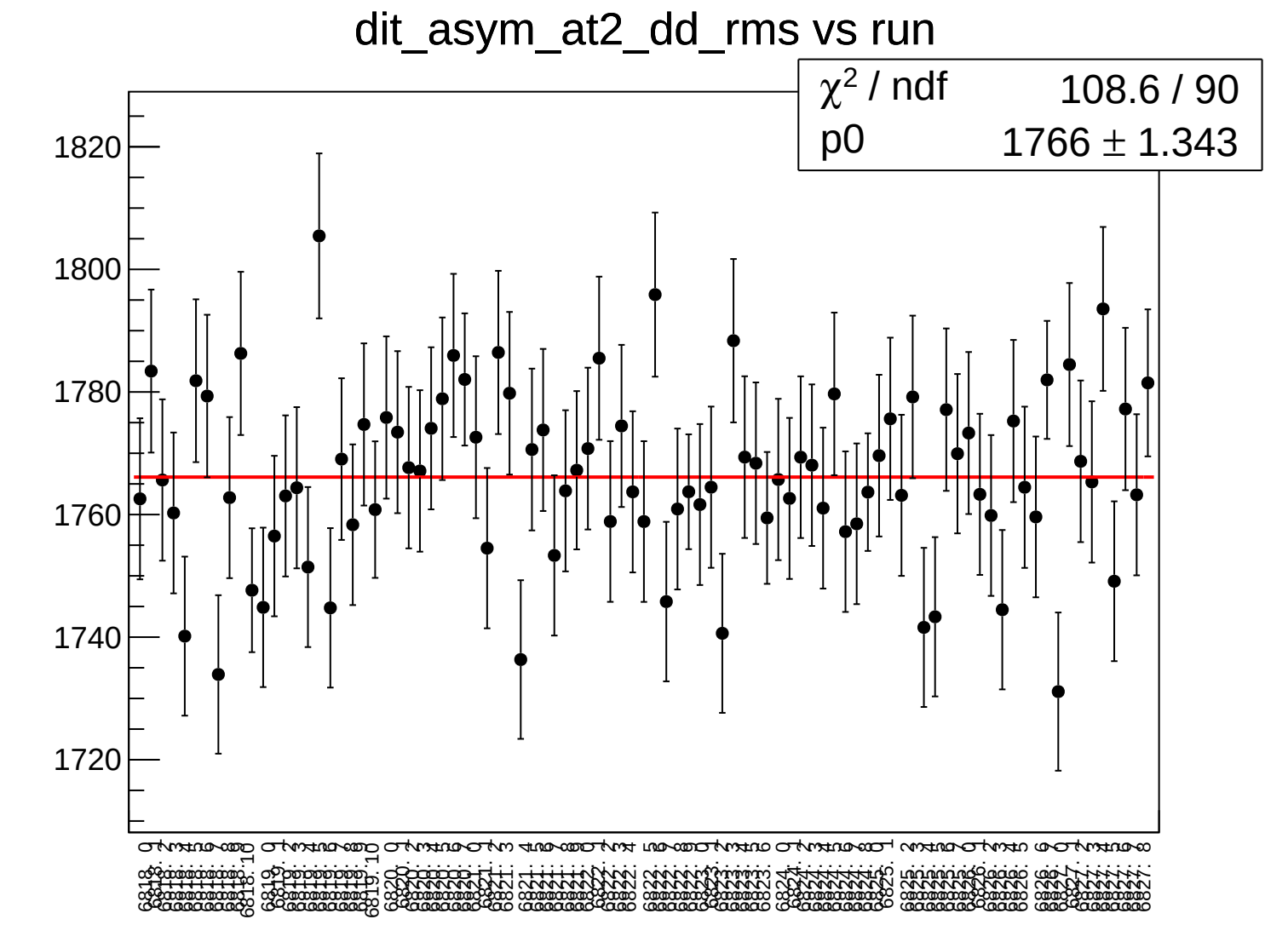

asym_at2_avg_mean vs run
×10^3
χ² / ndf 84.98 / 90
p0 −6527 ± 8199
200
100
0
−100
−200
−300
pull
Entries 91
Mean 709.2
Std Dev 623.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

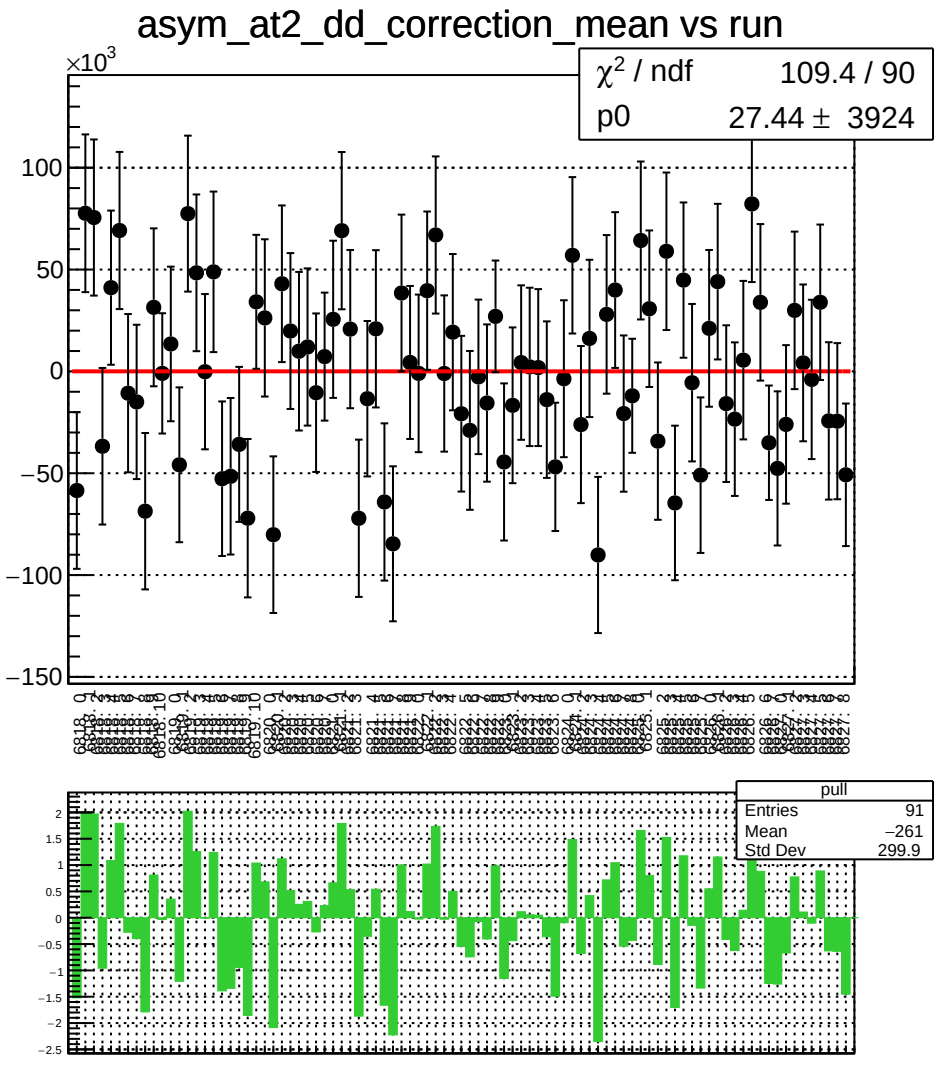

pull1D
Entries 91
Mean −0.001174
Std Dev 0.9663
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

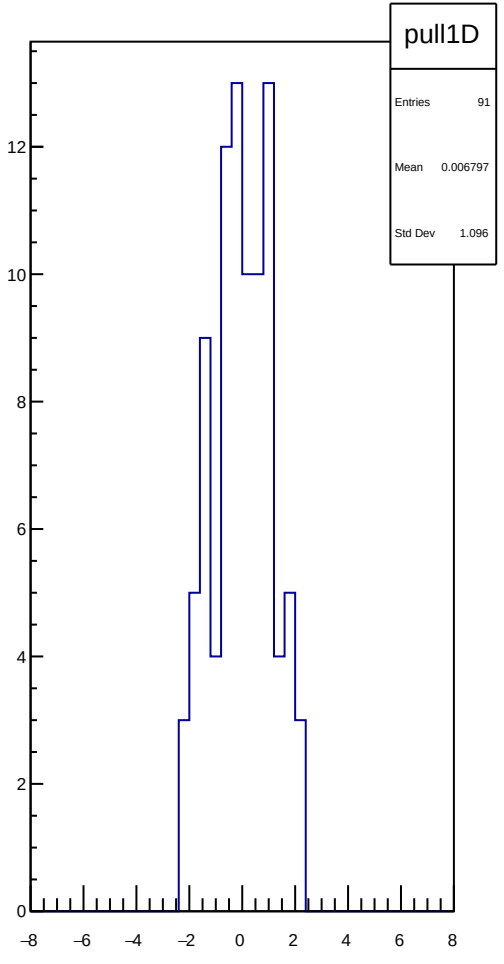

asym_at2_avg_rms vs run
χ^2 / ndf 4129 / 90
p0 7616 ± 5.798
10000
9500
9000
8500
8000
7500
7000

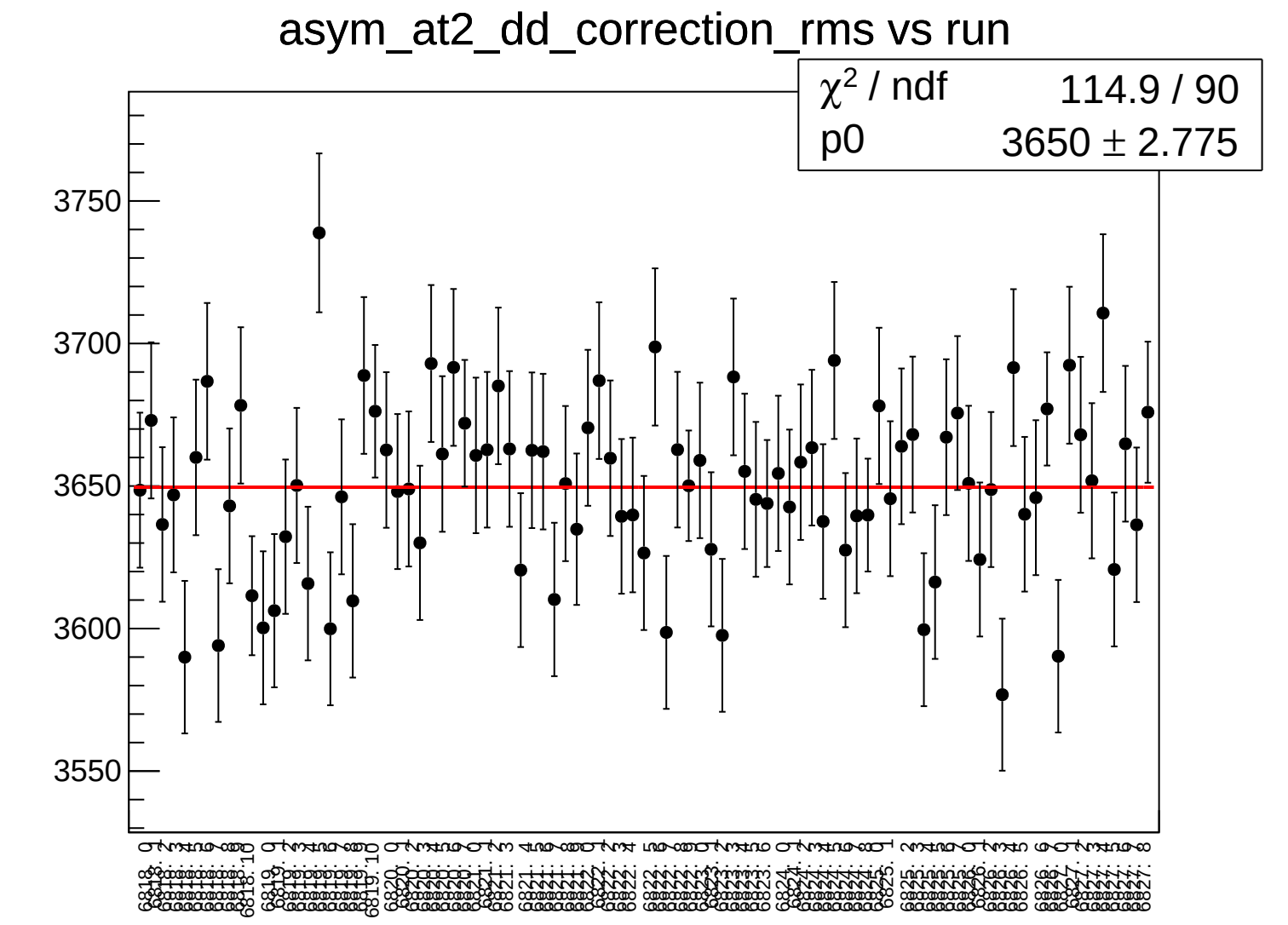

dit_asym_at2_dd_mean vs run
χ² / ndf 110.4 / 90
p0 −512.3 ± 1899
pull
Entries 91
Mean −192.1
Std Dev 231.4

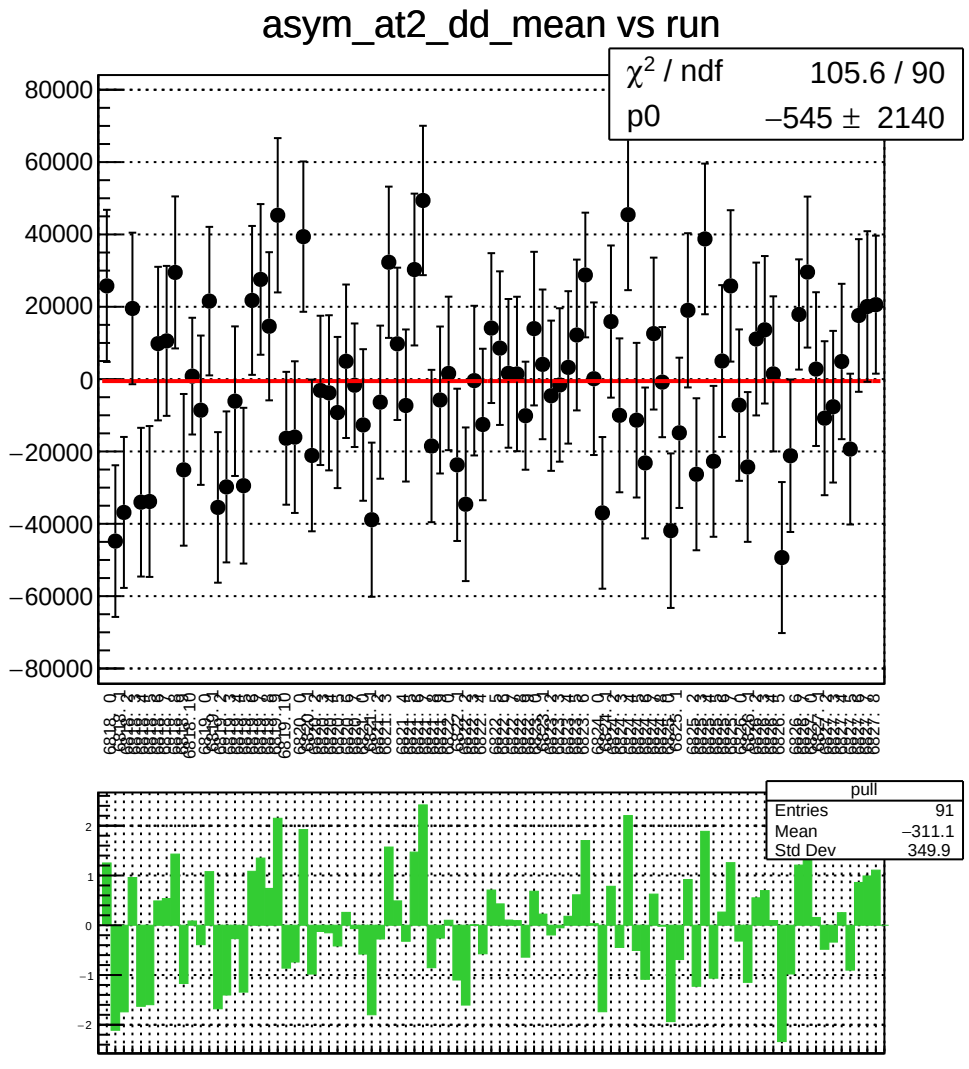

pull1D
Entries 91
Mean 0.005532
Std Dev 1.102

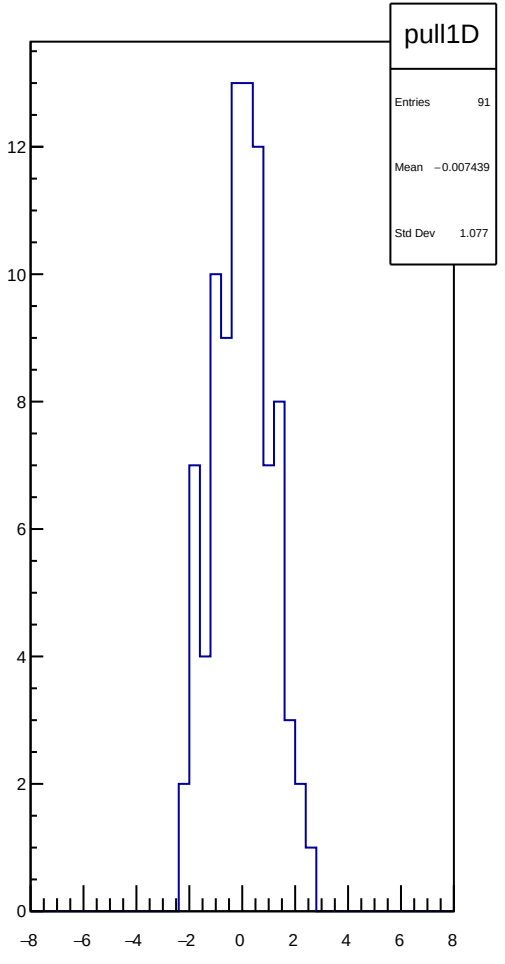

dit_asym_at2_dd_rms vs run
χ² / ndf 108.6 / 90
p0 1766 ± 1.343
1820
1800
1780
1760
1740
1720

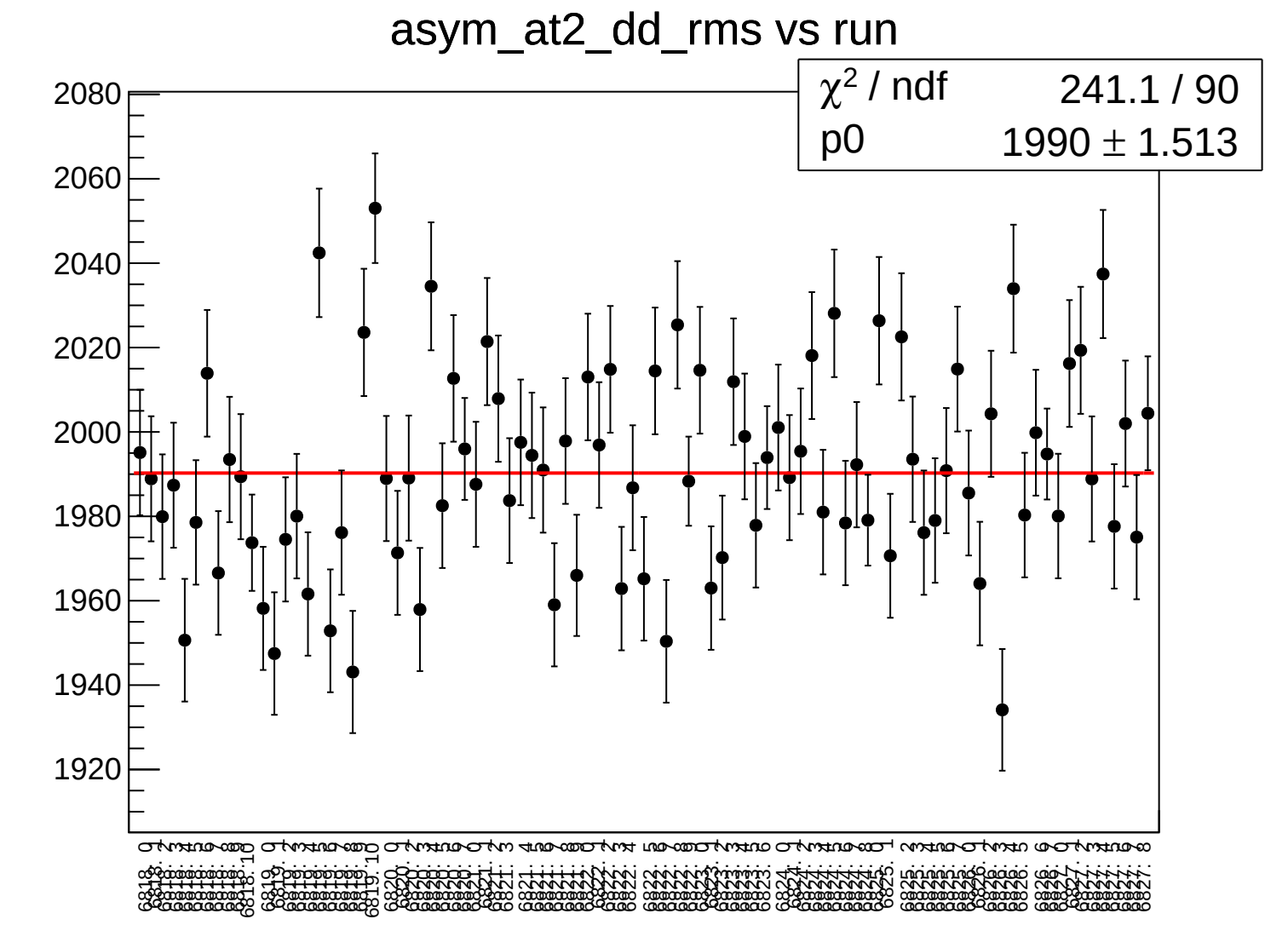

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 109.4 / 90
p0 27.44 ± 3924
100
50
0
−50
−100
−150
pull
Entries 91
Mean −261
Std Dev 299.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

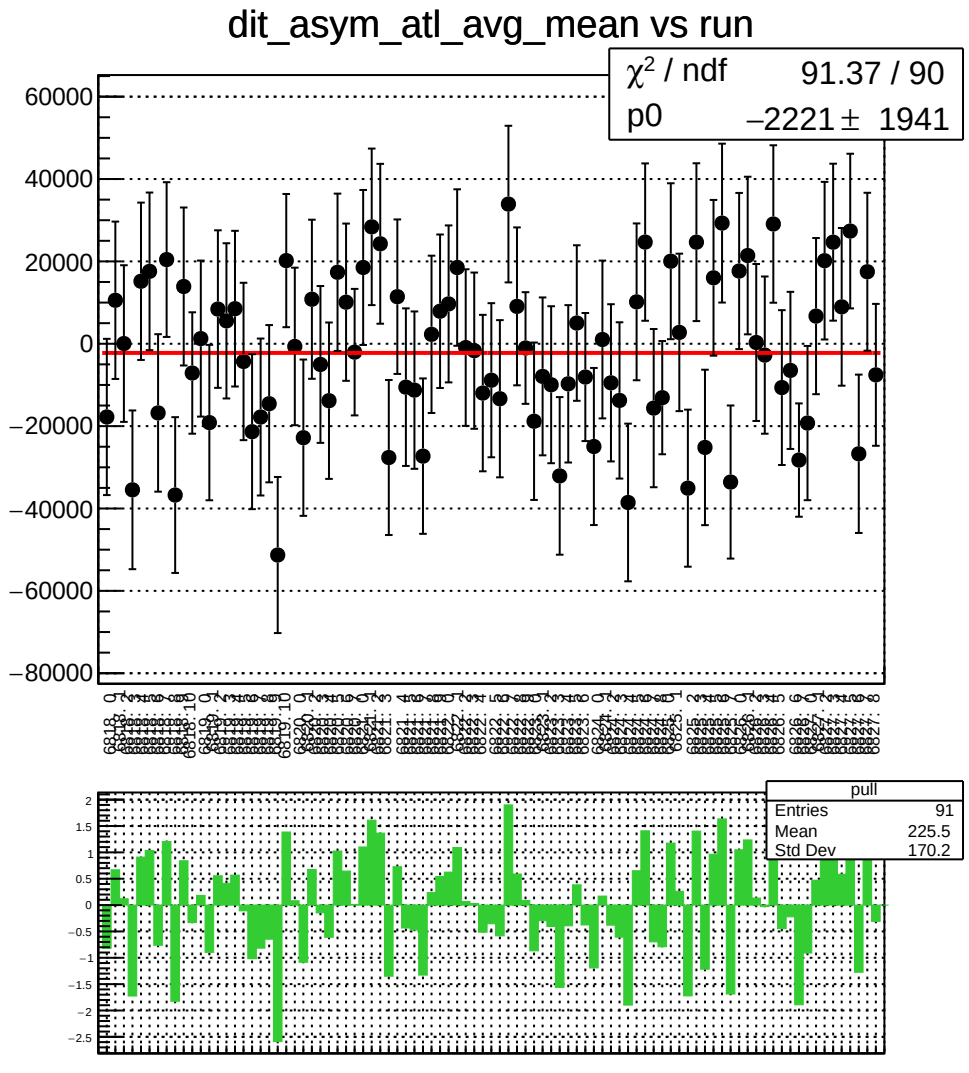

pull1D
Entries 91
Mean 0.006797
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

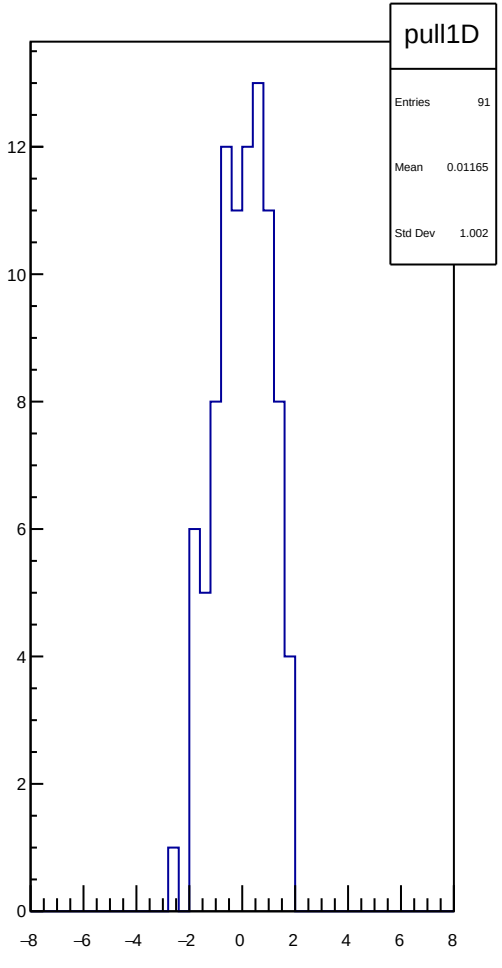

asym_at2_dd_correction_rms vs run
χ² / ndf 114.9 / 90
p0 3650 ± 2.775
3750
3700
3650
3600
3550

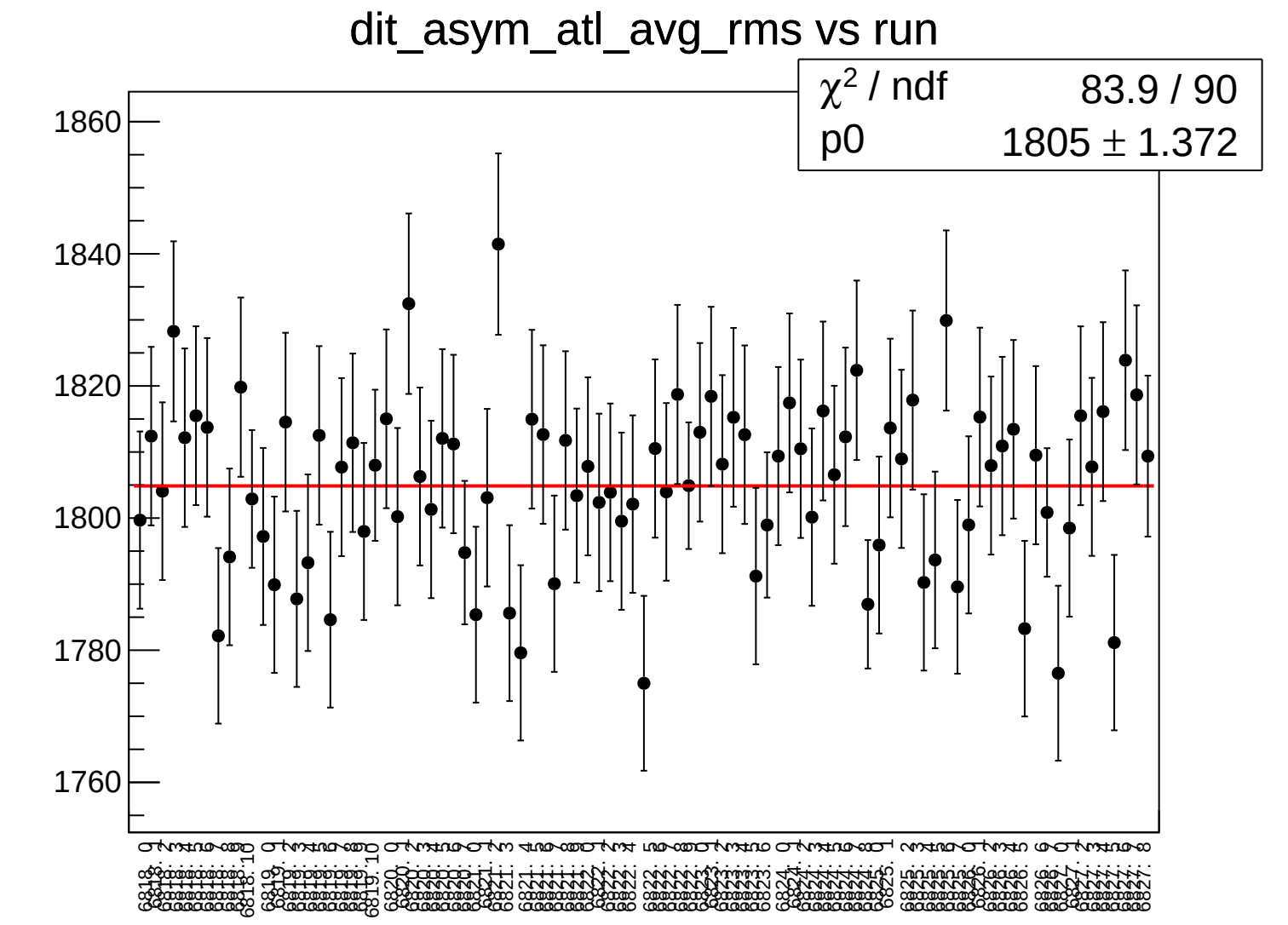

asym_at2_dd_mean vs run
χ² / ndf 105.6 / 90
p0 −545 ± 2140
pull
Entries 91
Mean −311.1
Std Dev 349.9

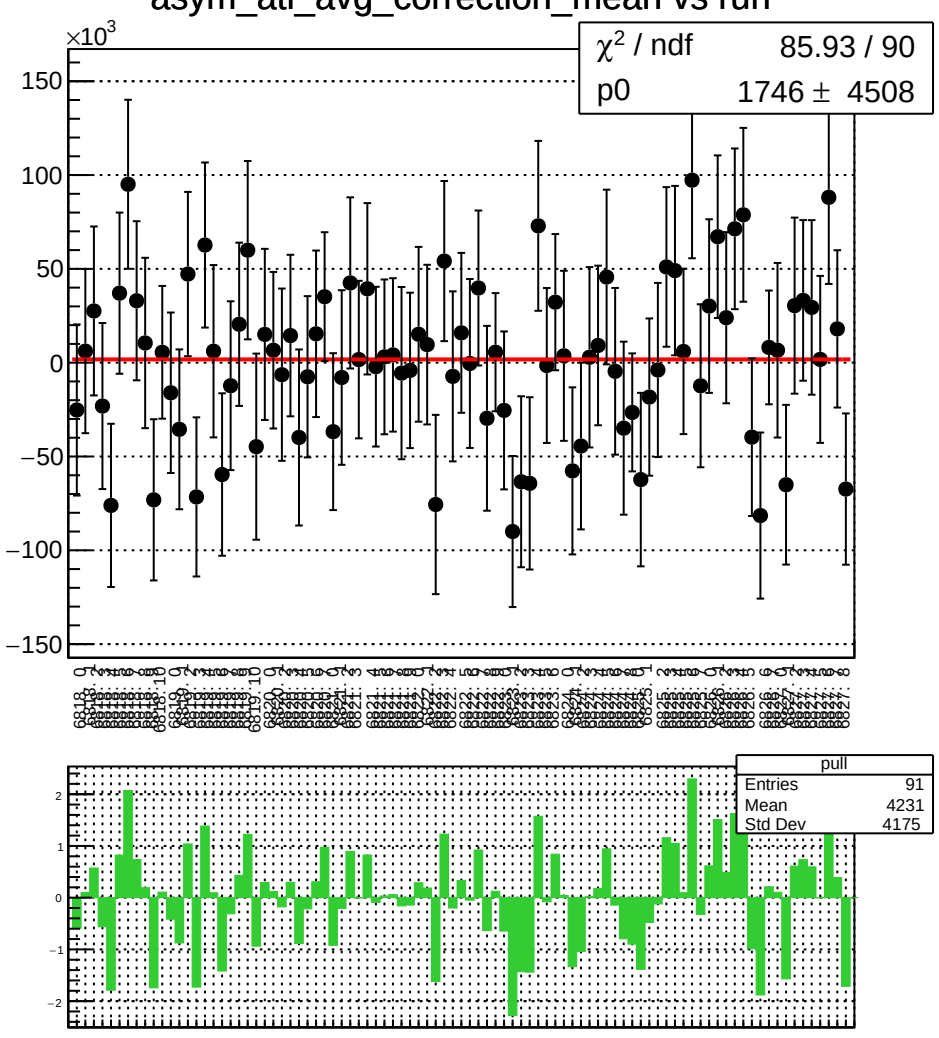

pull1D
Entries 91
Mean −0.007439
Std Dev 1.077

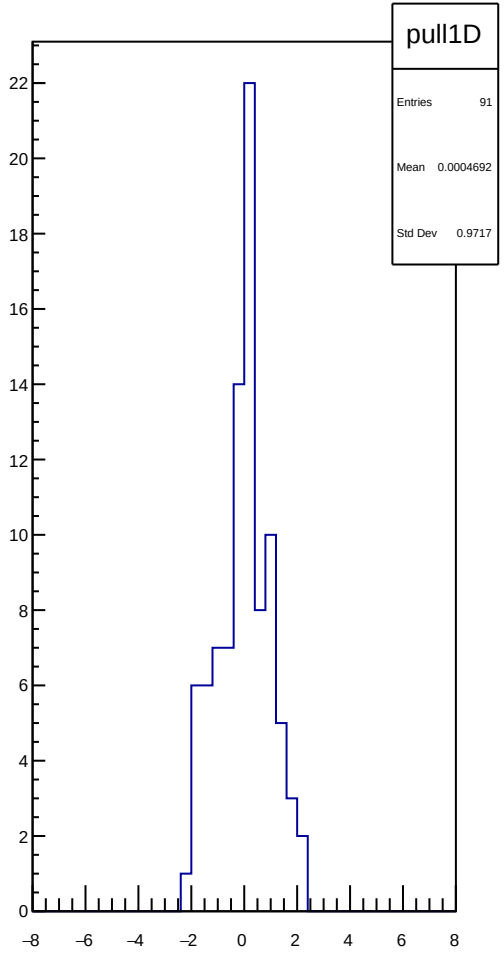

asym_at2_dd_rms vs run
χ² / ndf 241.1 / 90
p0 1990 ± 1.513
2080
2060
2040
2020
2000
1980
1960
1940
1920

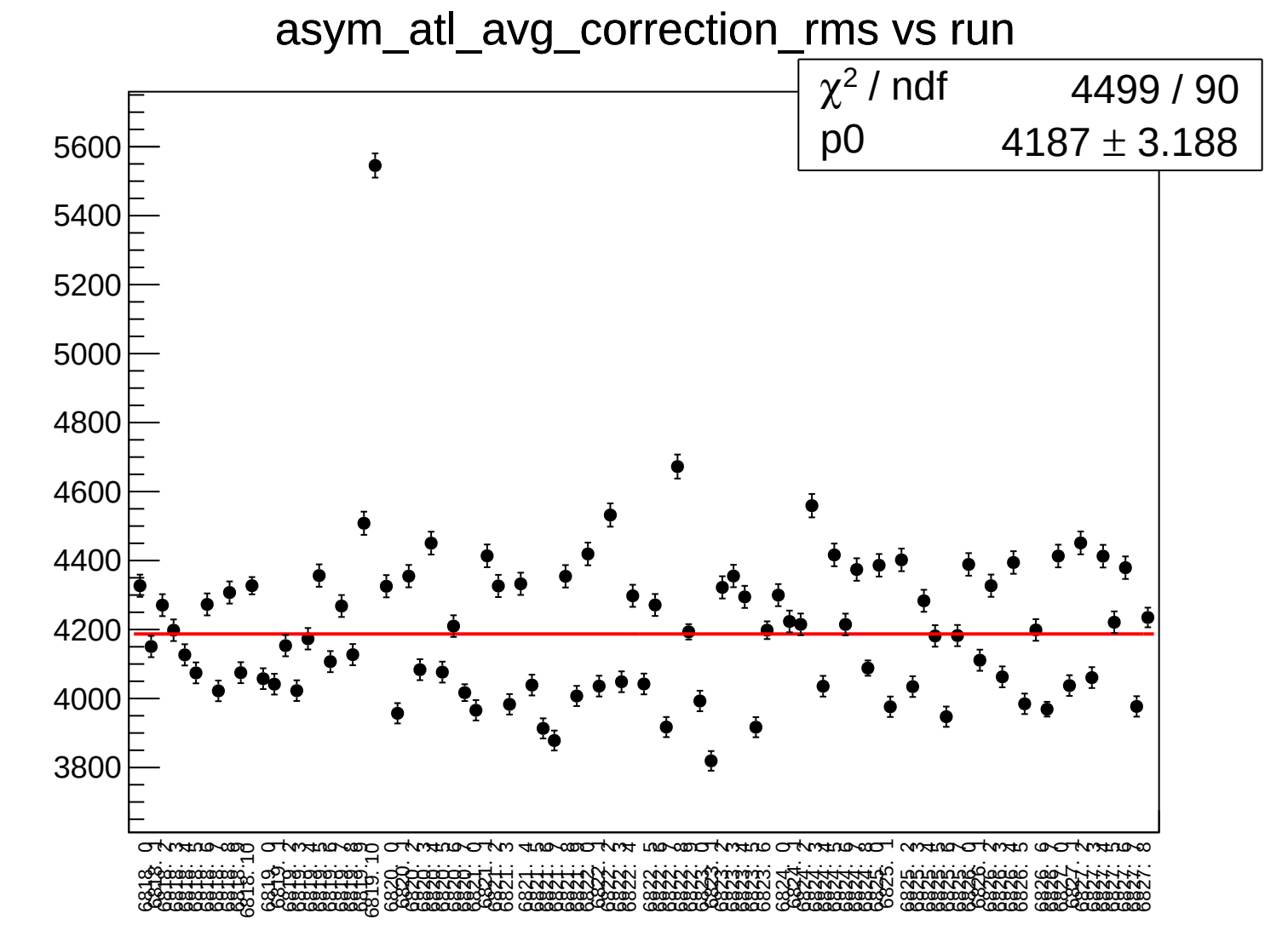

dit_asym_atl_avg_mean vs run
χ² / ndf 91.37 / 90
p0 −2221 ± 1941
pull
Entries 91
Mean 225.5
Std Dev 170.2

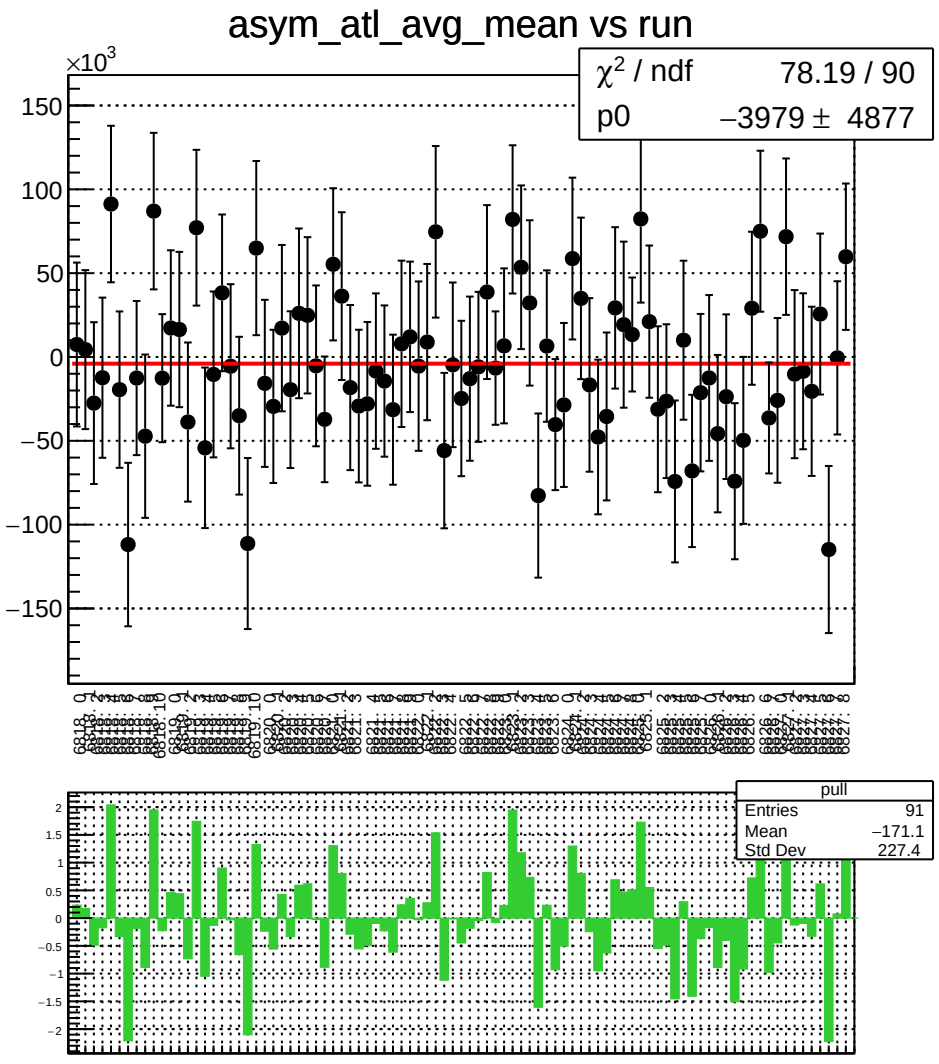

pull1D
Entries 91
Mean 0.01165
Std Dev 1.002

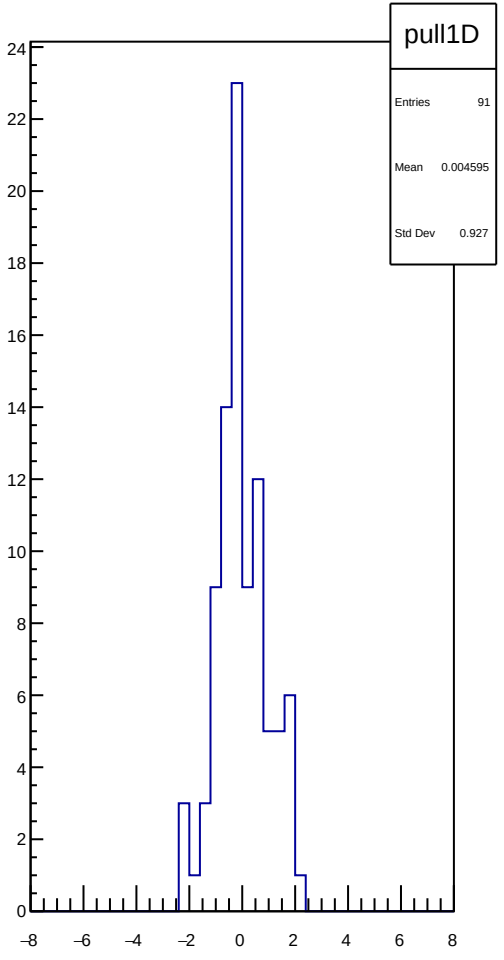

dit_asym_atl_avg_rms vs run
χ² / ndf 83.9 / 90
p0 1805 ± 1.372
1860
1840
1820
1800
1780
1760

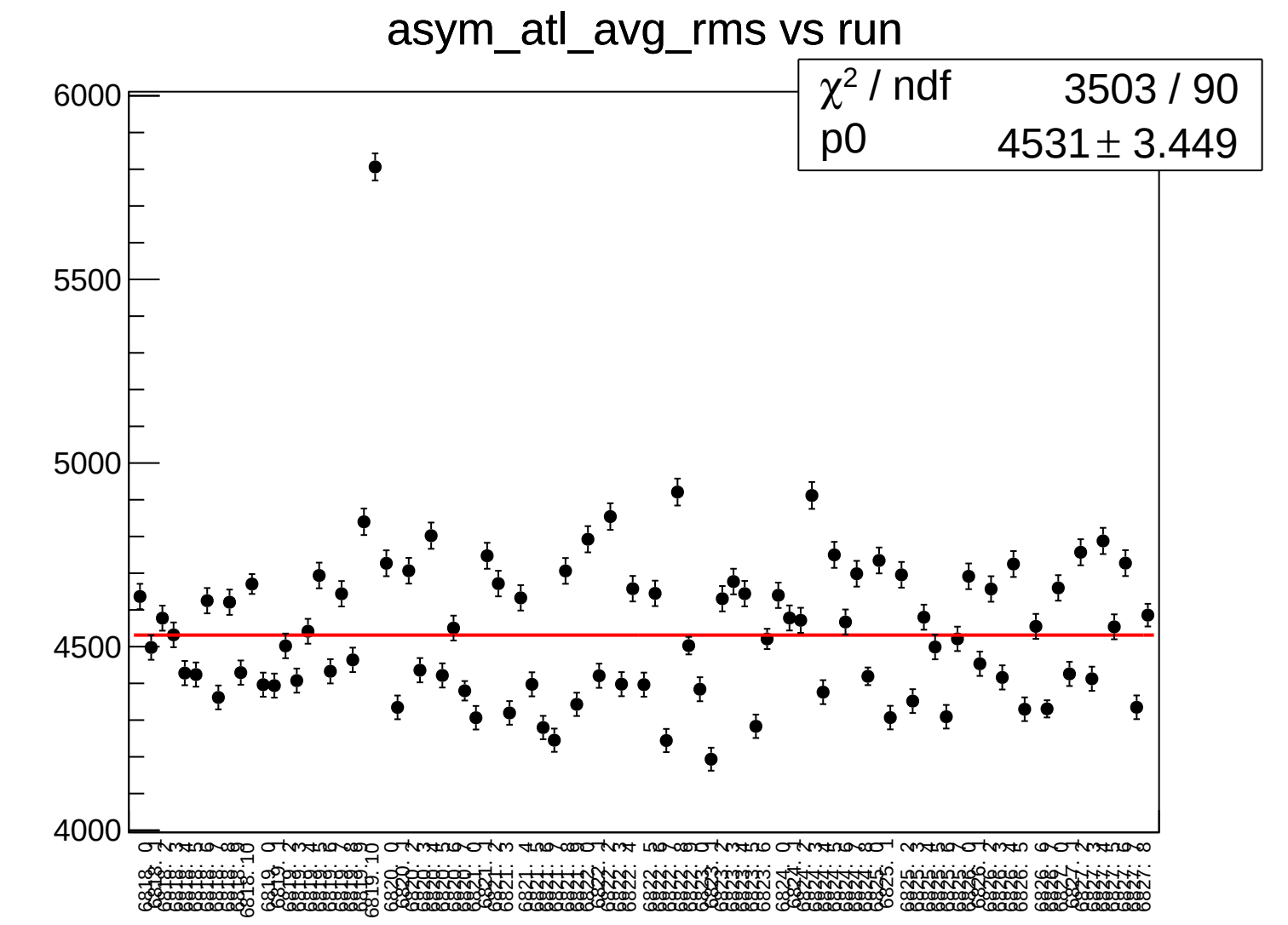

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 85.93 / 90
p0 1746 ± 4508
150
100
50
0
−50
−100
−150
pull
Entries 91
Mean 4231
Std Dev 4175
2
1
0
−1
−2

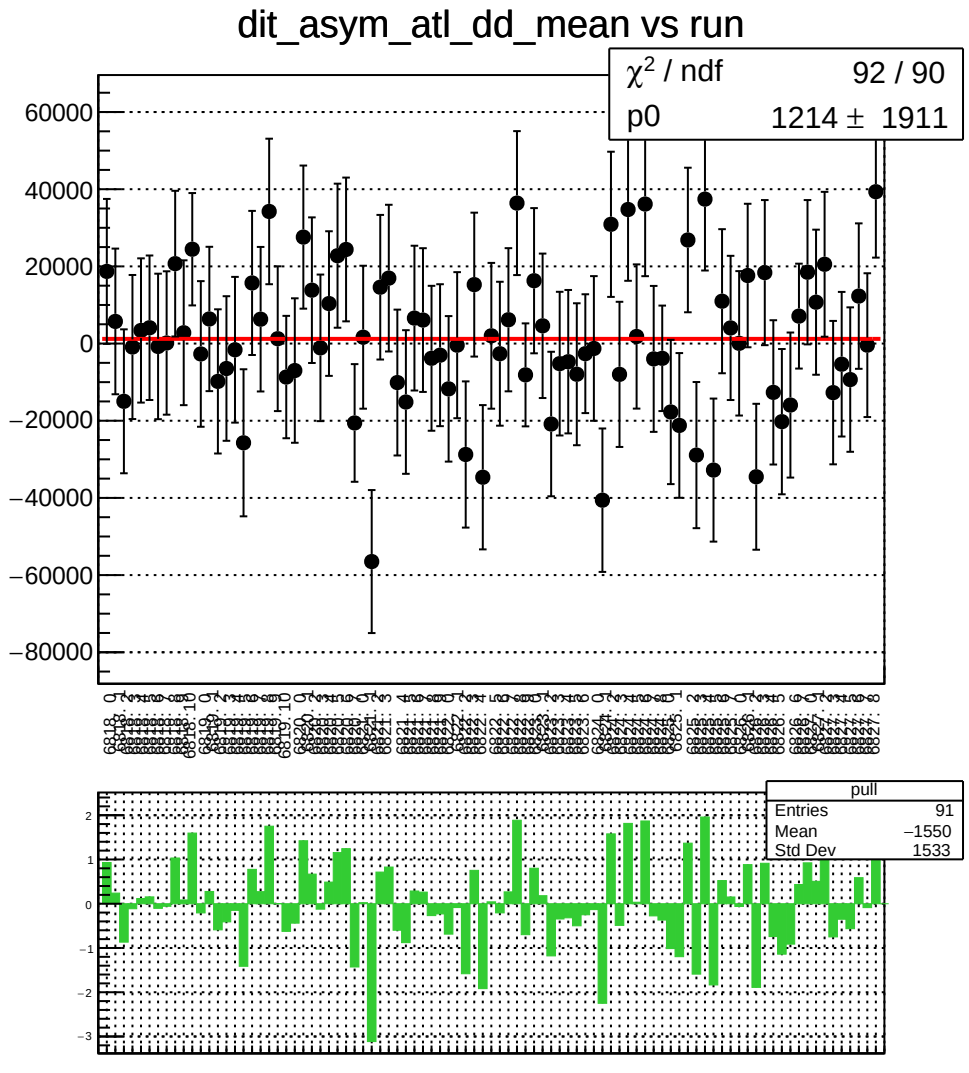

pull1D
Entries 91
Mean 0.0004692
Std Dev 0.9717
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

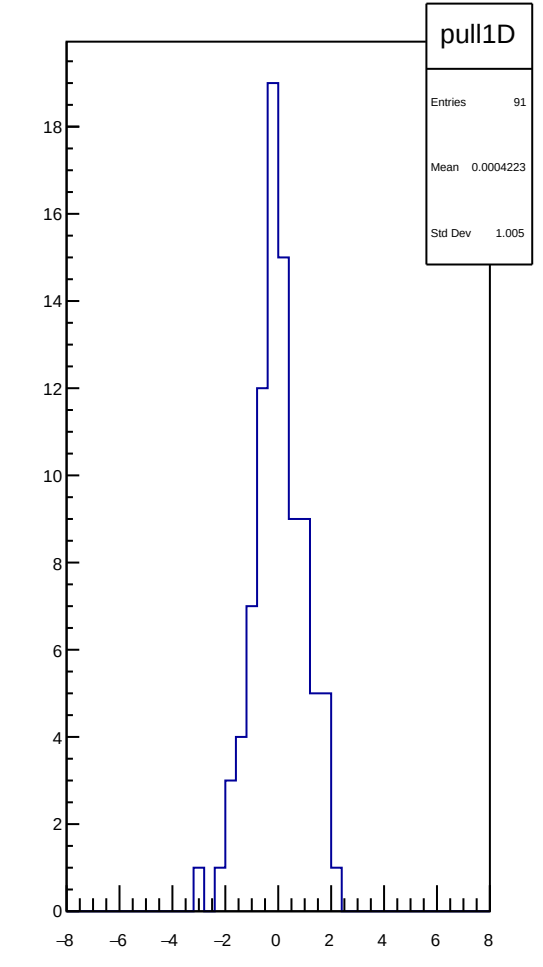

asym_atl_avg_correction_rms vs run
χ² / ndf 4499 / 90
p0 4187 ± 3.188
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

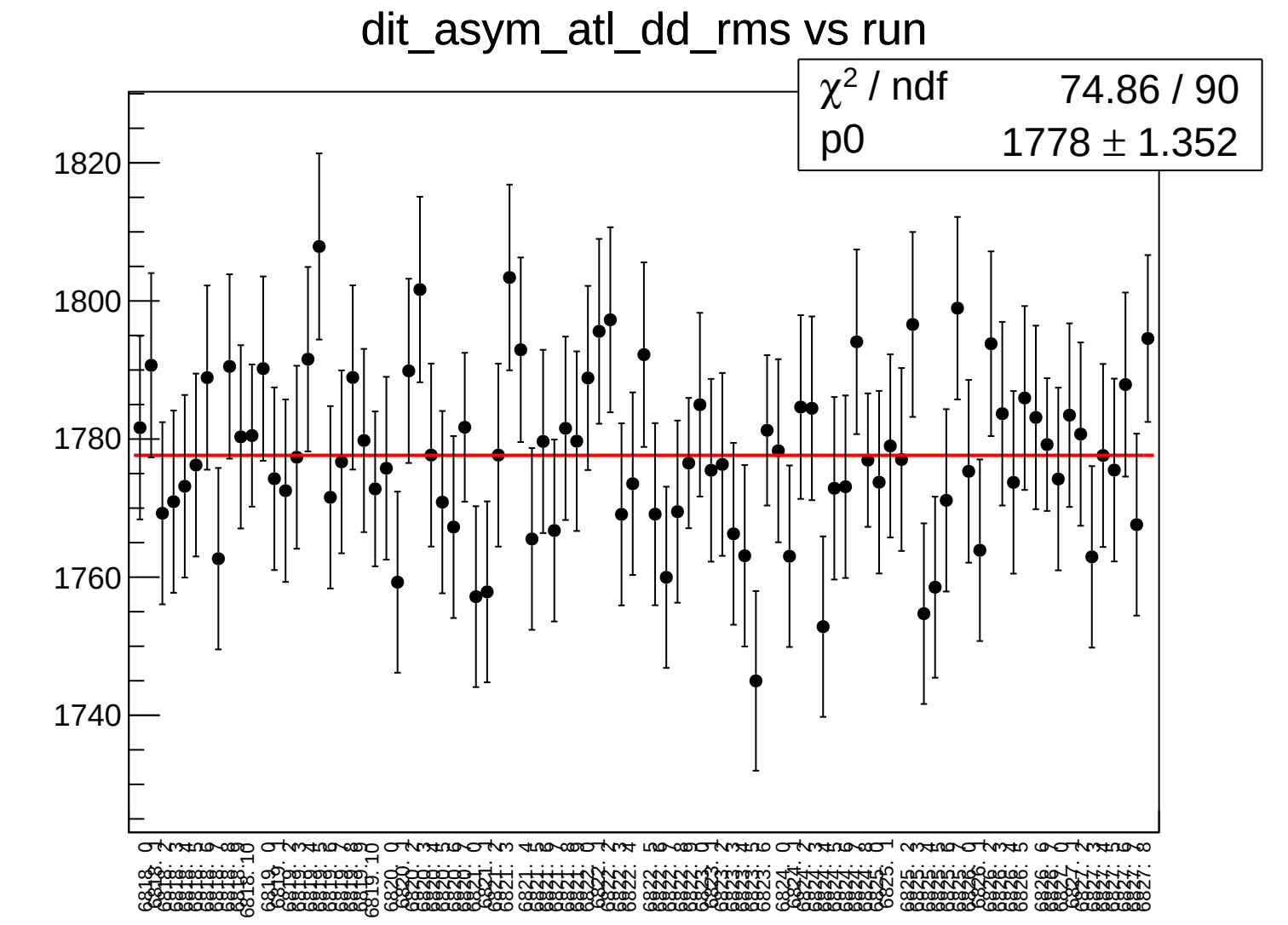

asym_atl_avg_mean vs run
×10^3
χ² / ndf 78.19 / 90
p0 −3979 ± 4877
pull
Entries 91
Mean −171.1
Std Dev 227.4

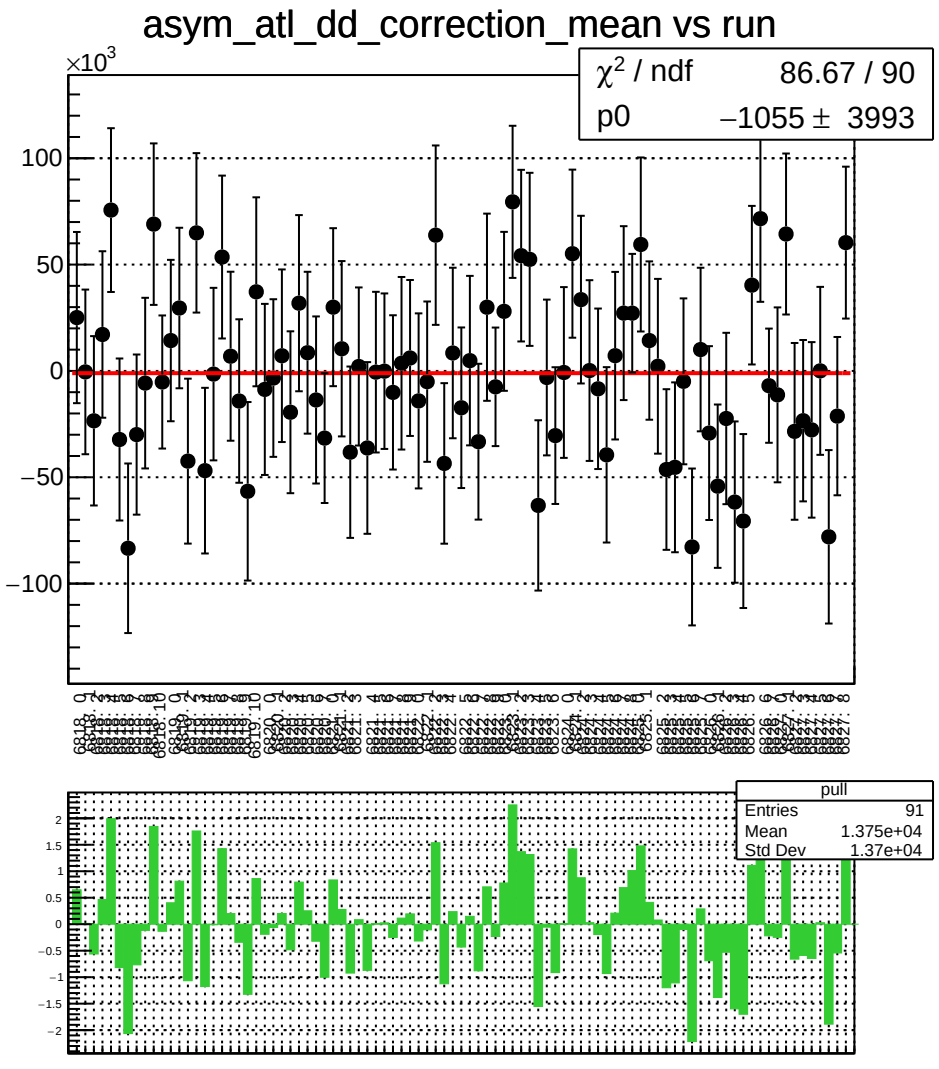

pull1D
Entries 91
Mean 0.004595
Std Dev 0.927

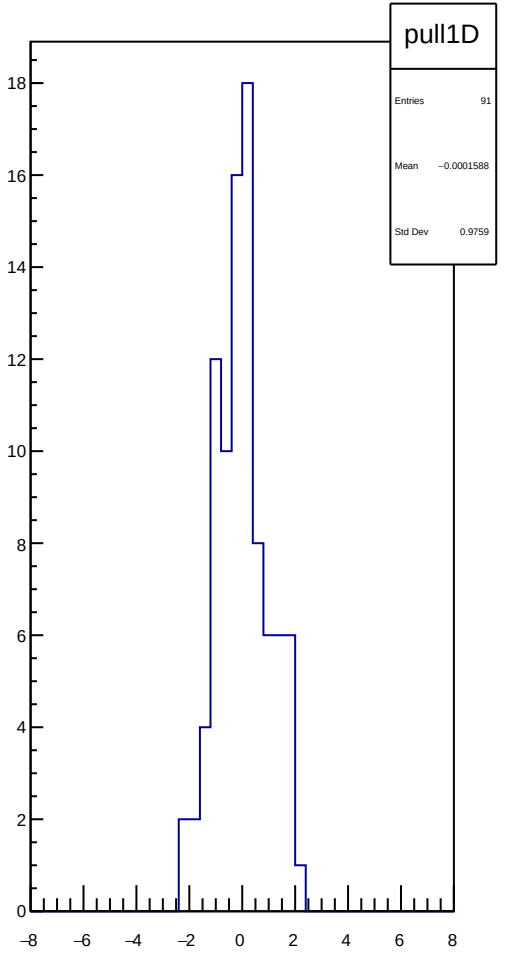

asym_atl_avg_rms vs run
χ² / ndf 3503 / 90
p0 4531 ± 3.449
6000
5500
5000
4500
4000

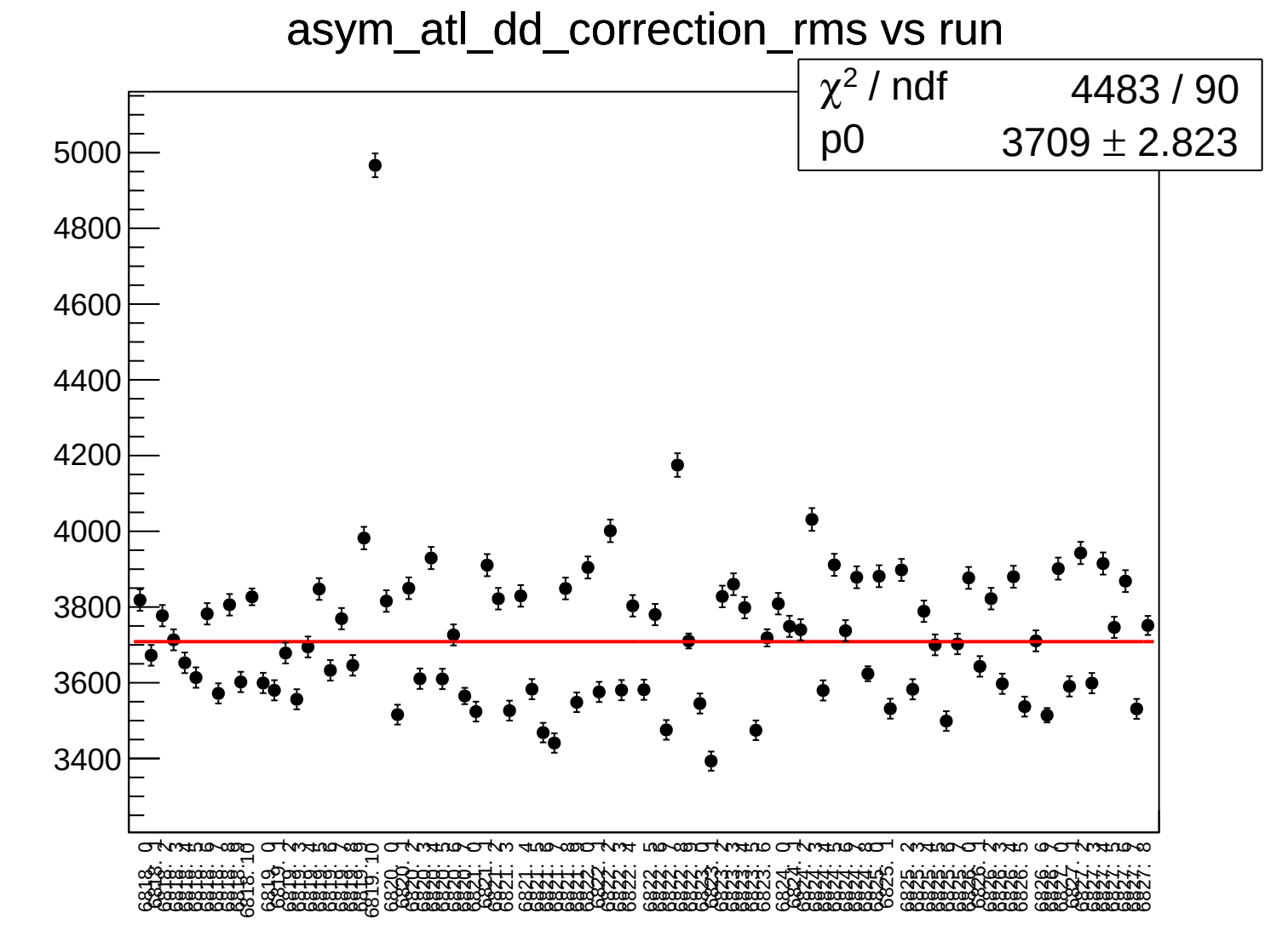

dit_asym_atl_dd_mean vs run
χ² / ndf 92 / 90
p0 1214 ± 1911
pull
Entries 91
Mean −1550
Std Dev 1533

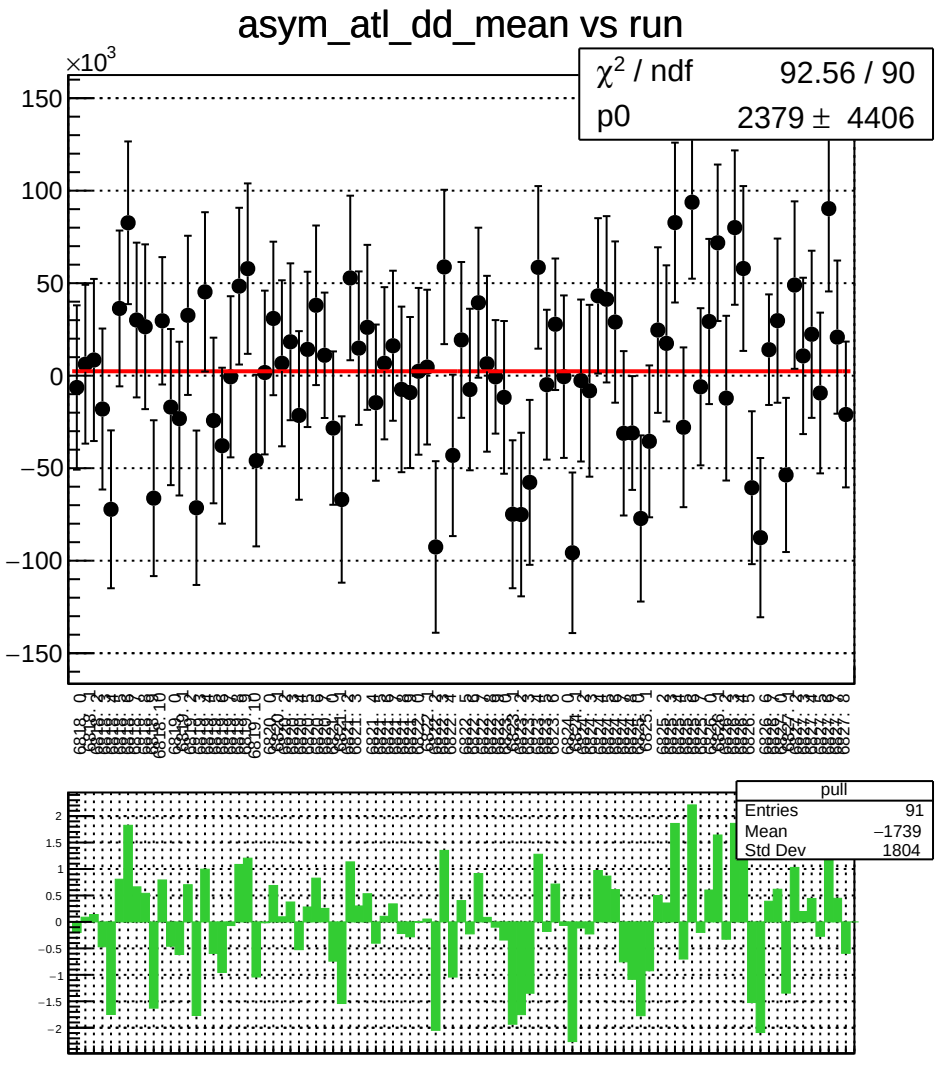

pull1D
Entries 91
Mean 0.0004223
Std Dev 1.005

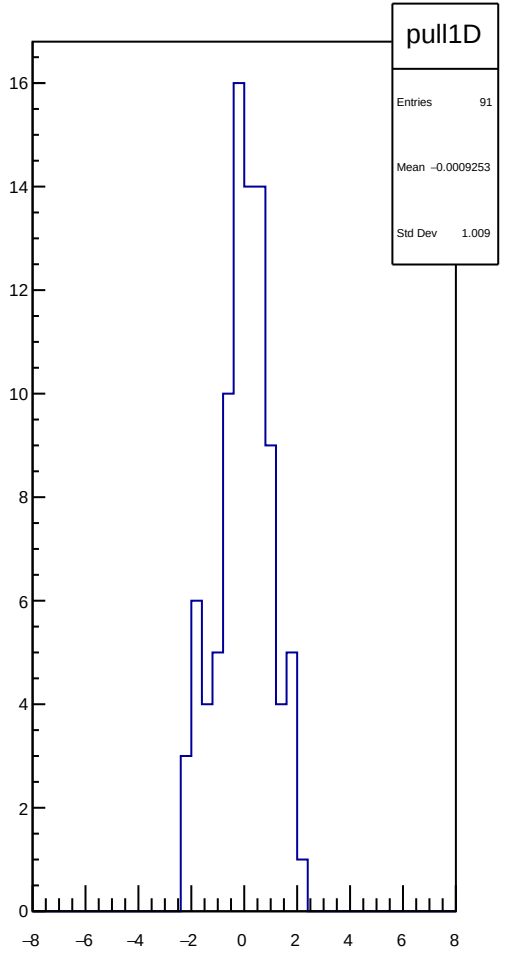

dit_asym_atl_dd_rms vs run
χ² / ndf 74.86 / 90
p0 1778 ± 1.352
1820
1800
1780
1760
1740

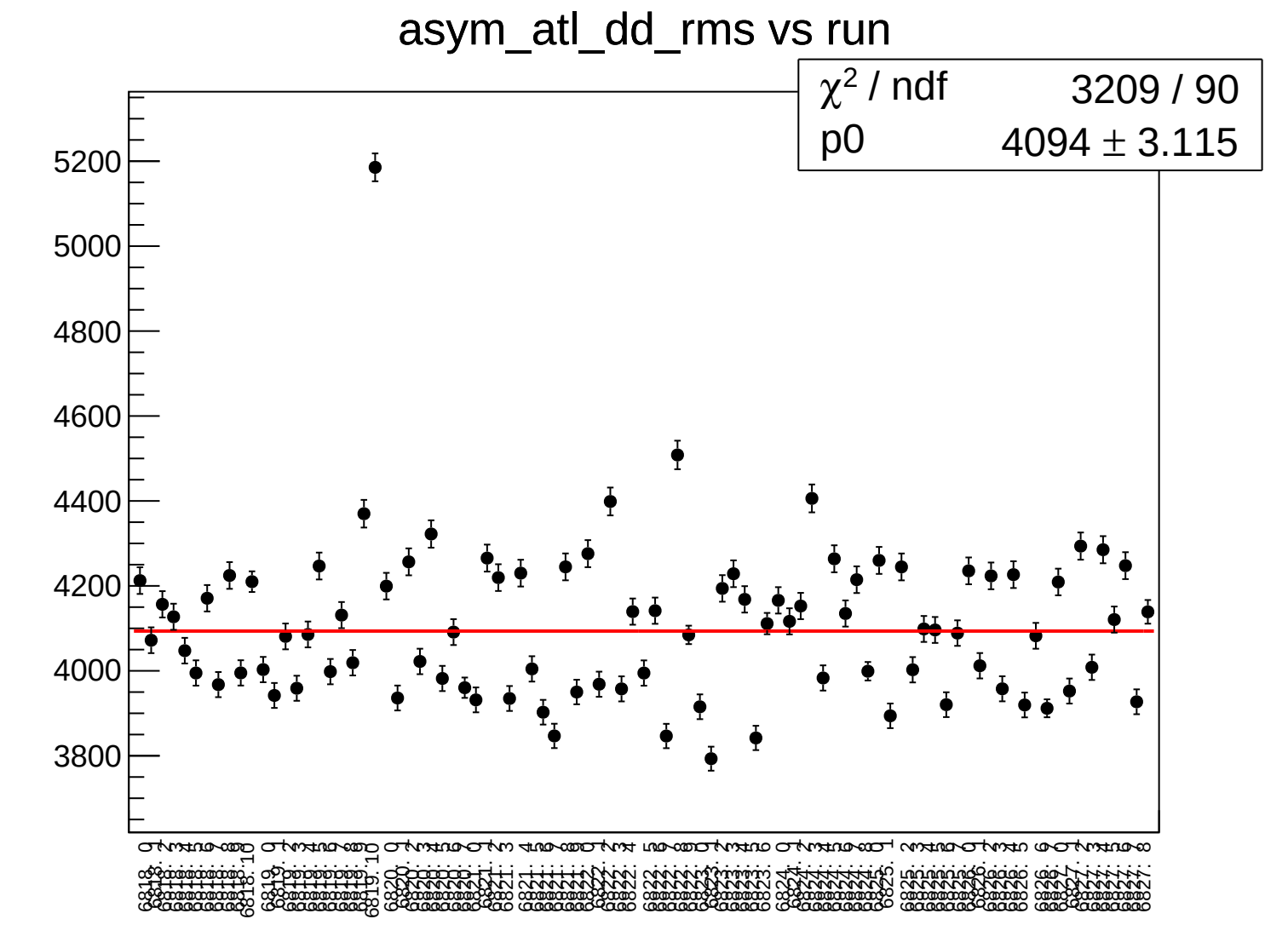

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 86.67 / 90
p0 −1055 ± 3993
100
50
0
−50
−100
pull
Entries 91
Mean 1.375e+04
Std Dev 1.37e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

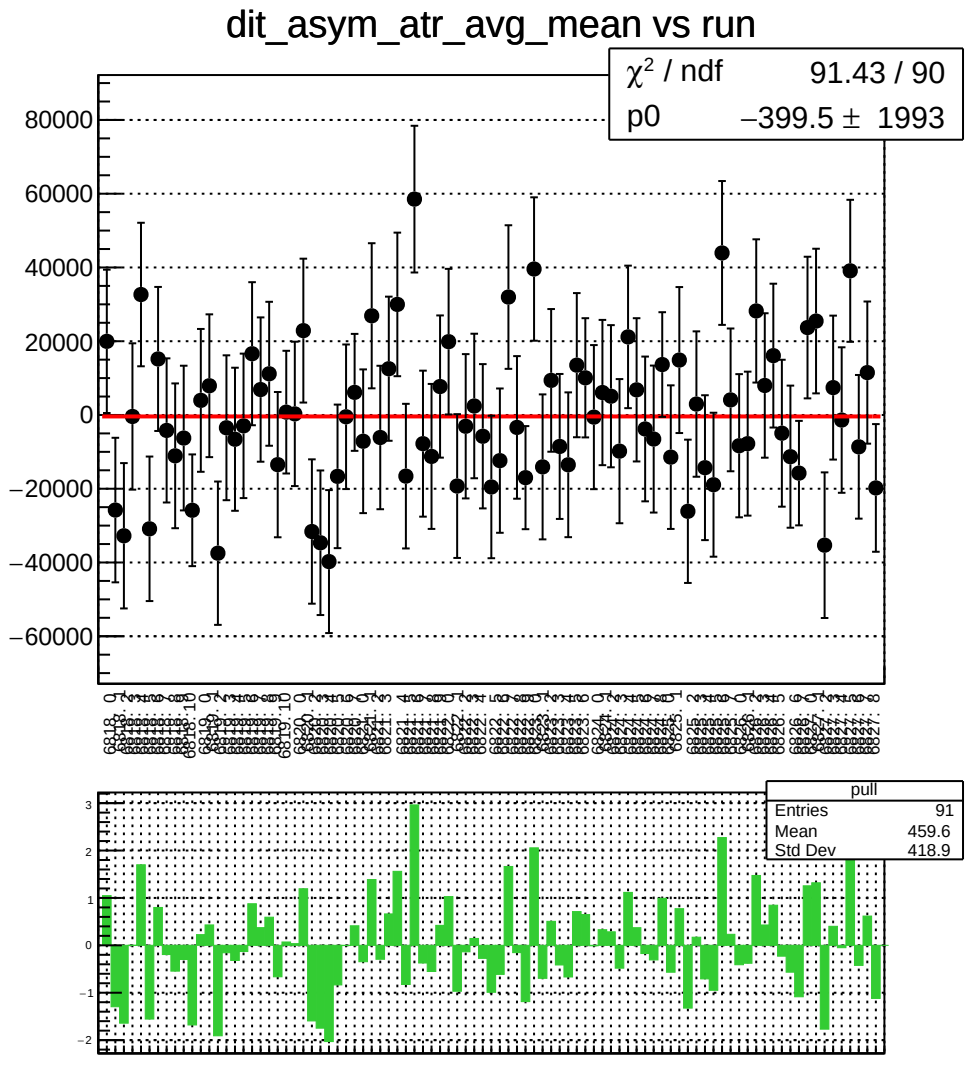

pull1D
Entries 91
Mean −0.0001588
Std Dev 0.9759
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

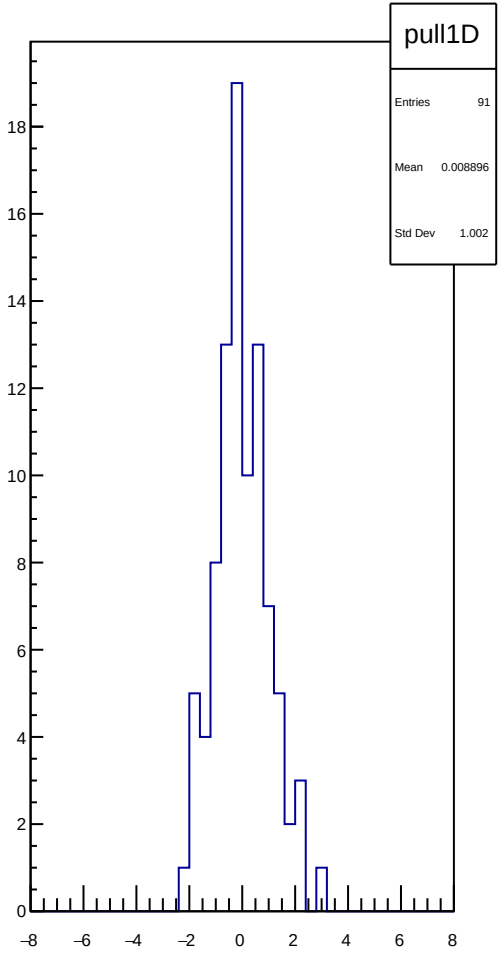

asym_atl_dd_correction_rms vs run
χ² / ndf 4483 / 90
p0 3709 ± 2.823
5000
4800
4600
4400
4200
4000
3800
3600
3400

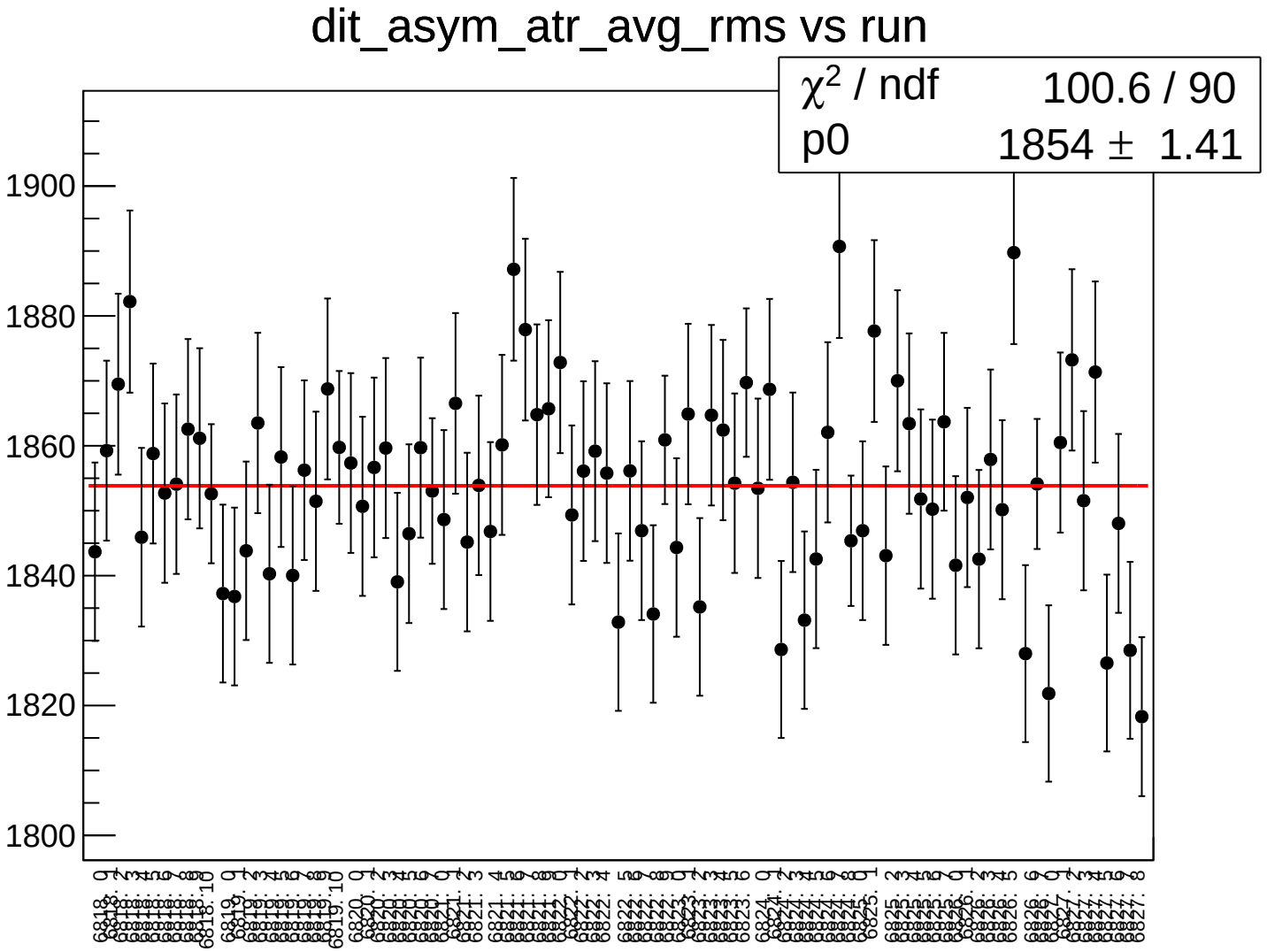

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 92.56 / 90
p0 2379 ± 4406
150
100
50
0
−50
−100
−150
pull
Entries 91
Mean −1739
Std Dev 1804
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

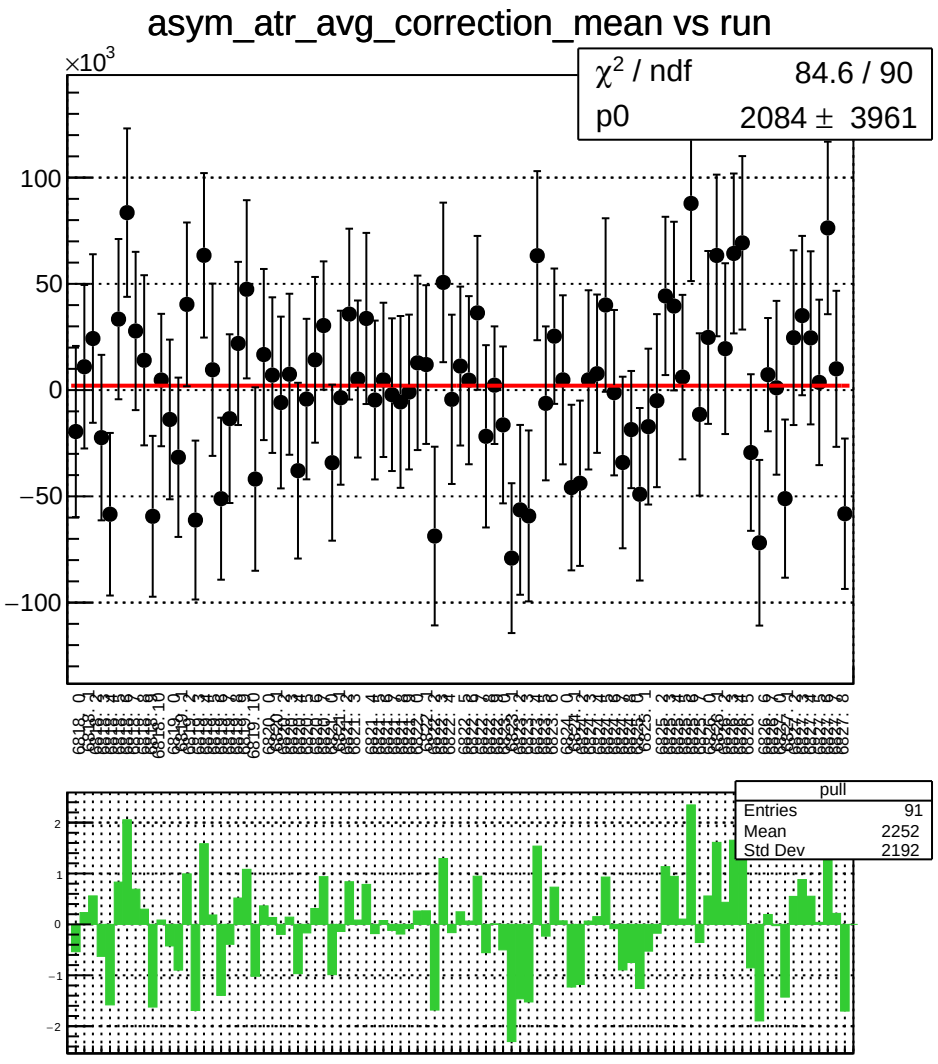

pull1D
Entries 91
Mean −0.0009253
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

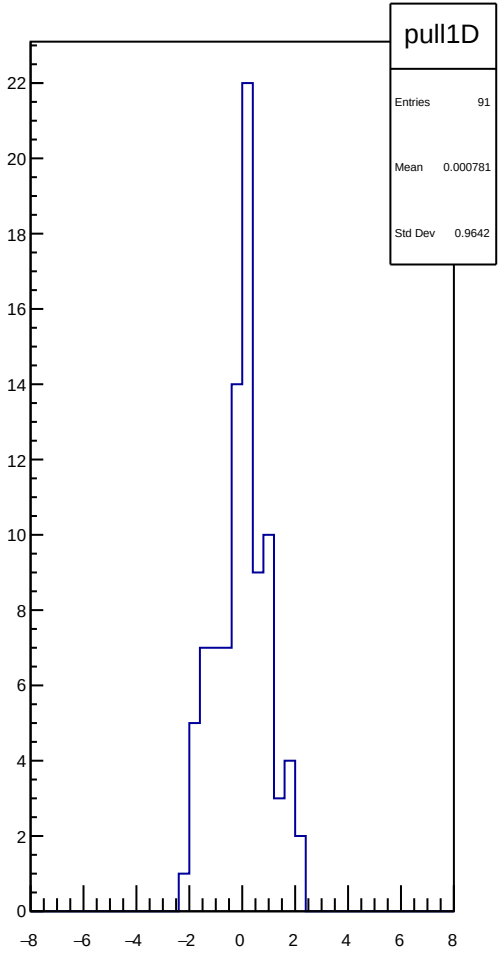

asym_atl_dd_rms vs run
χ^2 / ndf 3209 / 90
p0 4094 ± 3.115
5200
5000
4800
4600
4400
4200
4000
3800

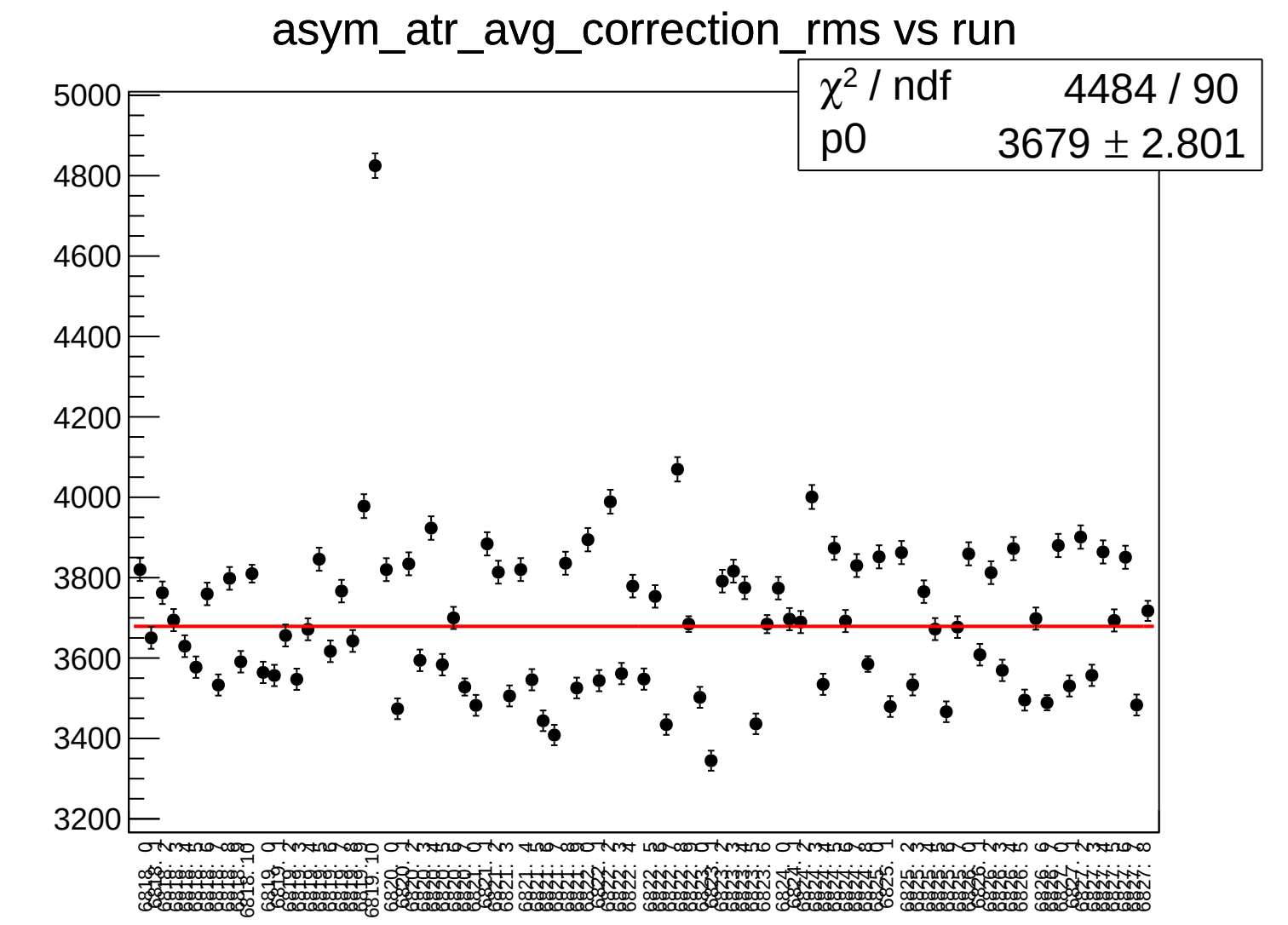

dit_asym_atr_avg_mean vs run
χ² / ndf 91.43 / 90
p0 −399.5 ± 1993
pull
Entries 91
Mean 459.6
Std Dev 418.9

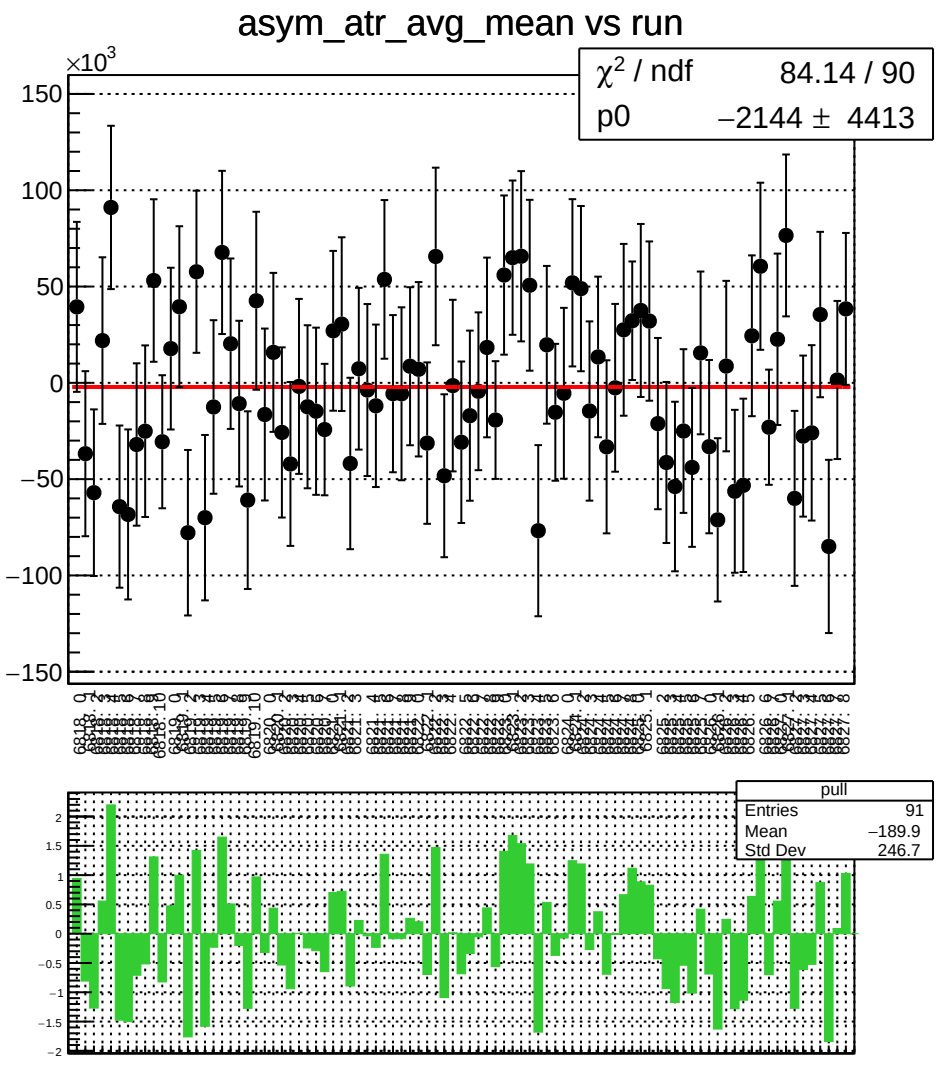

pull1D
Entries 91
Mean 0.008896
Std Dev 1.002

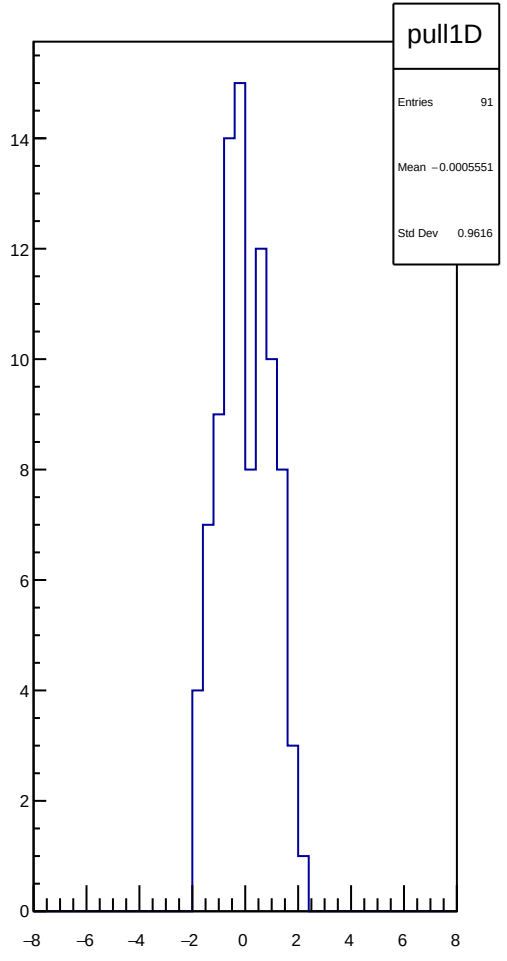

dit_asym_atr_avg_rms vs run
χ² / ndf 100.6 / 90
p0 1854 ± 1.41
1900
1880
1860
1840
1820
1800

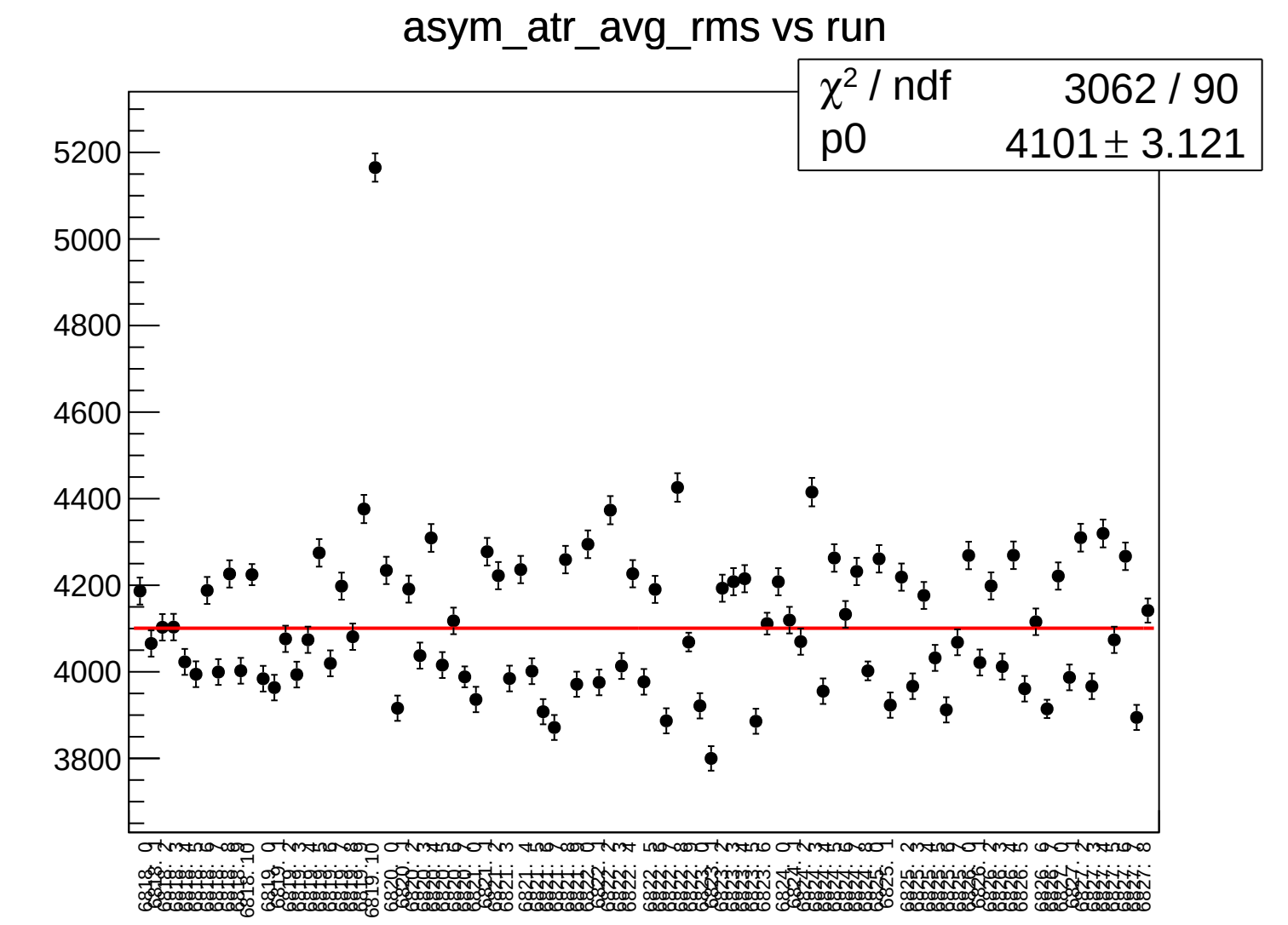

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 84.6 / 90
p0 2084 ± 3961
100
50
0
−50
−100
pull
Entries 91
Mean 2252
Std Dev 2192
2
1
0
−1
−2

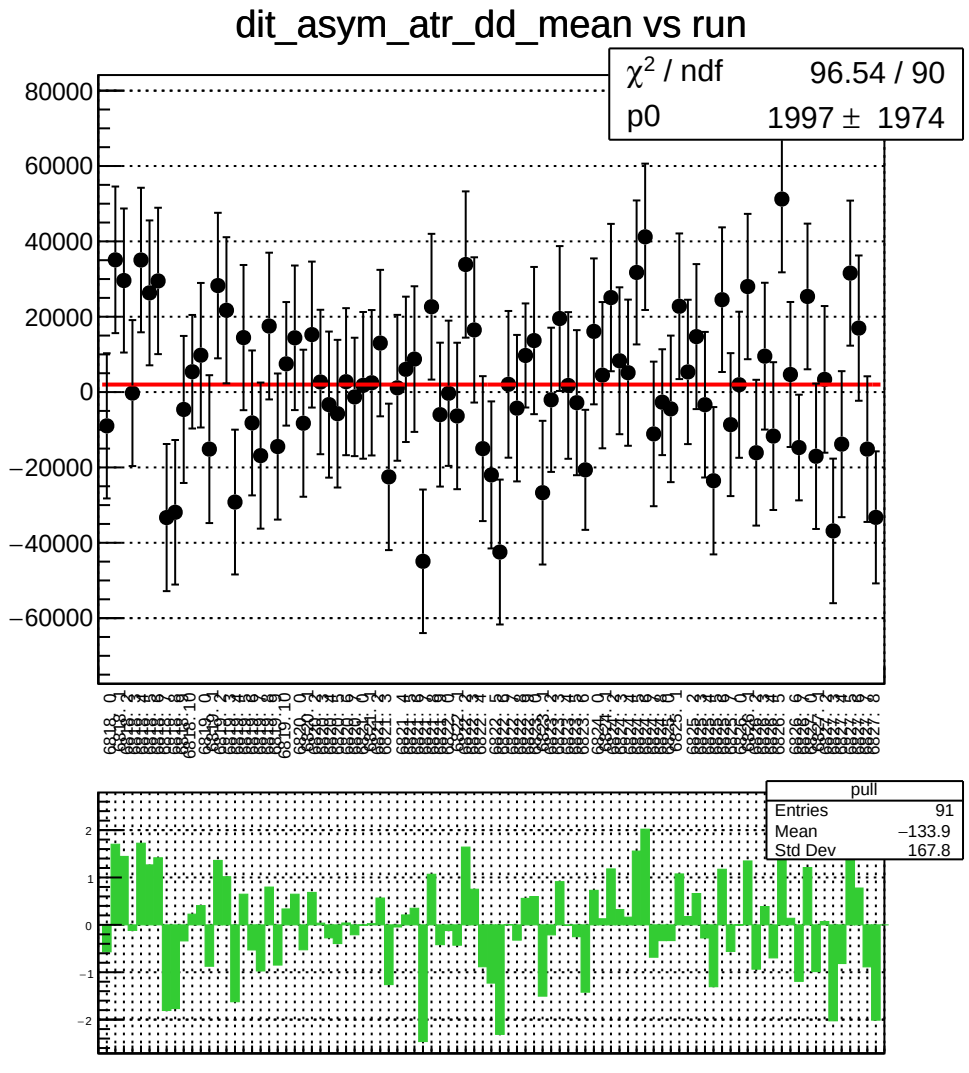

pull1D
Entries 91
Mean 0.000781
Std Dev 0.9642
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

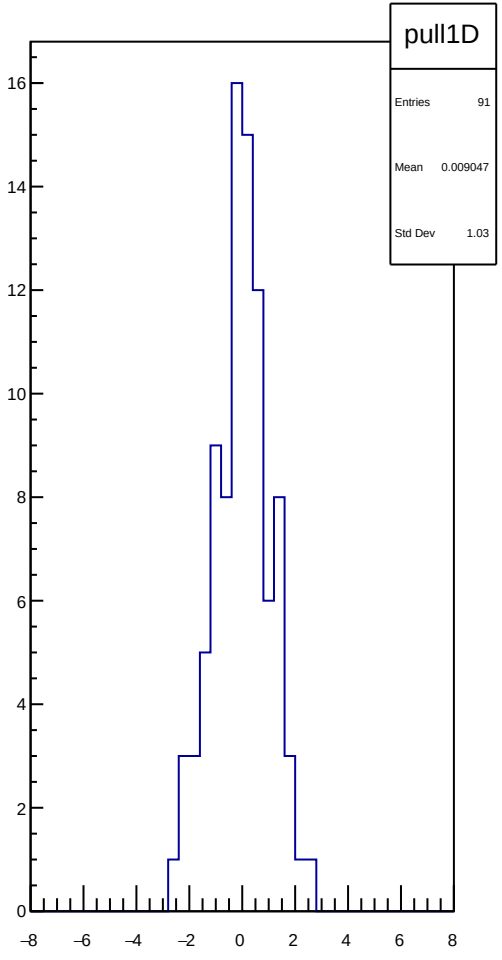

asym_atr_avg_correction_rms vs run
χ² / ndf 4484 / 90
p0 3679 ± 2.801
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

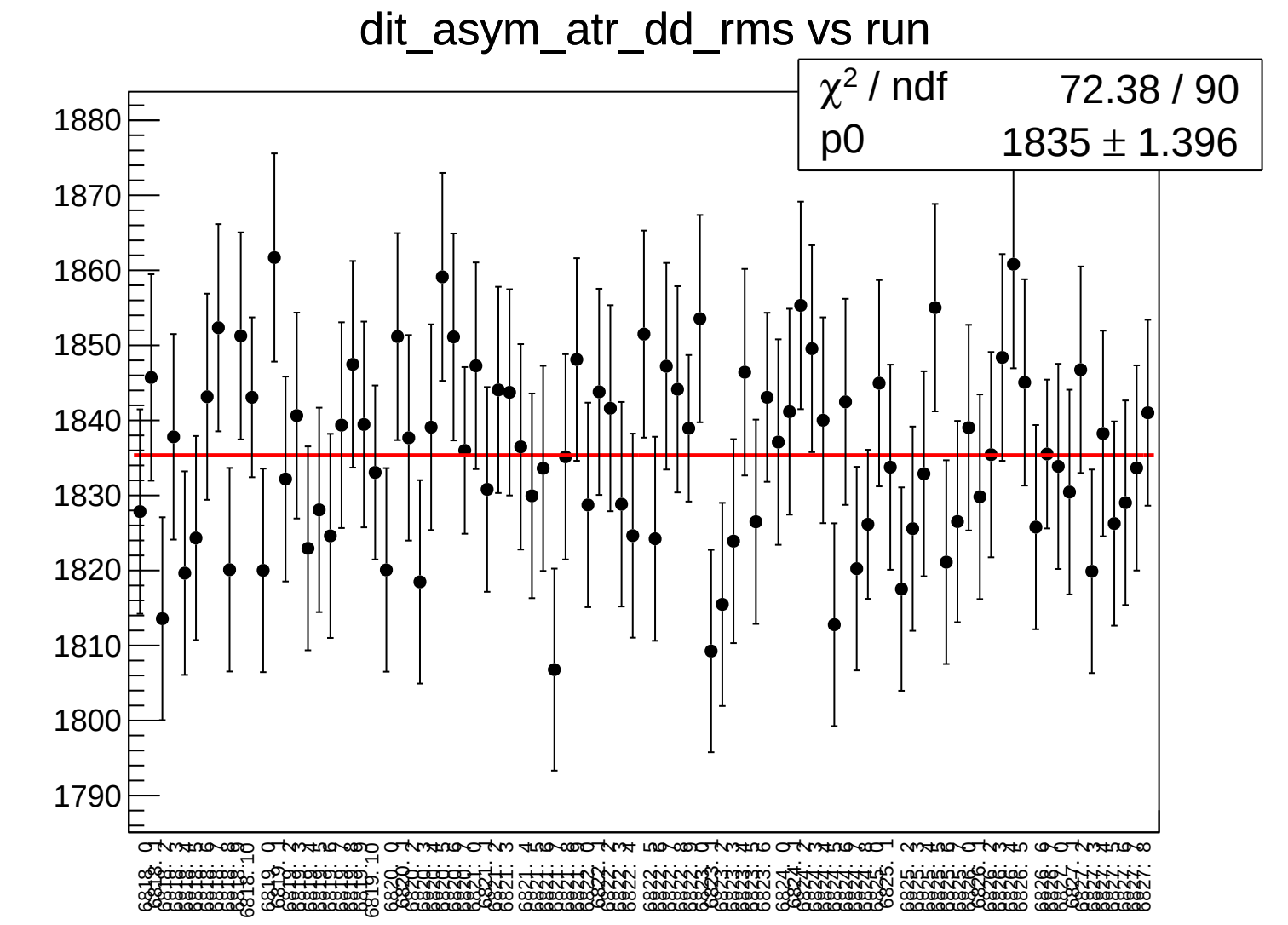

asym_atr_avg_mean vs run
×10^3
χ² / ndf 84.14 / 90
p0 −2144 ± 4413
150
100
50
0
−50
−100
−150
pull
Entries 91
Mean −189.9
Std Dev 246.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

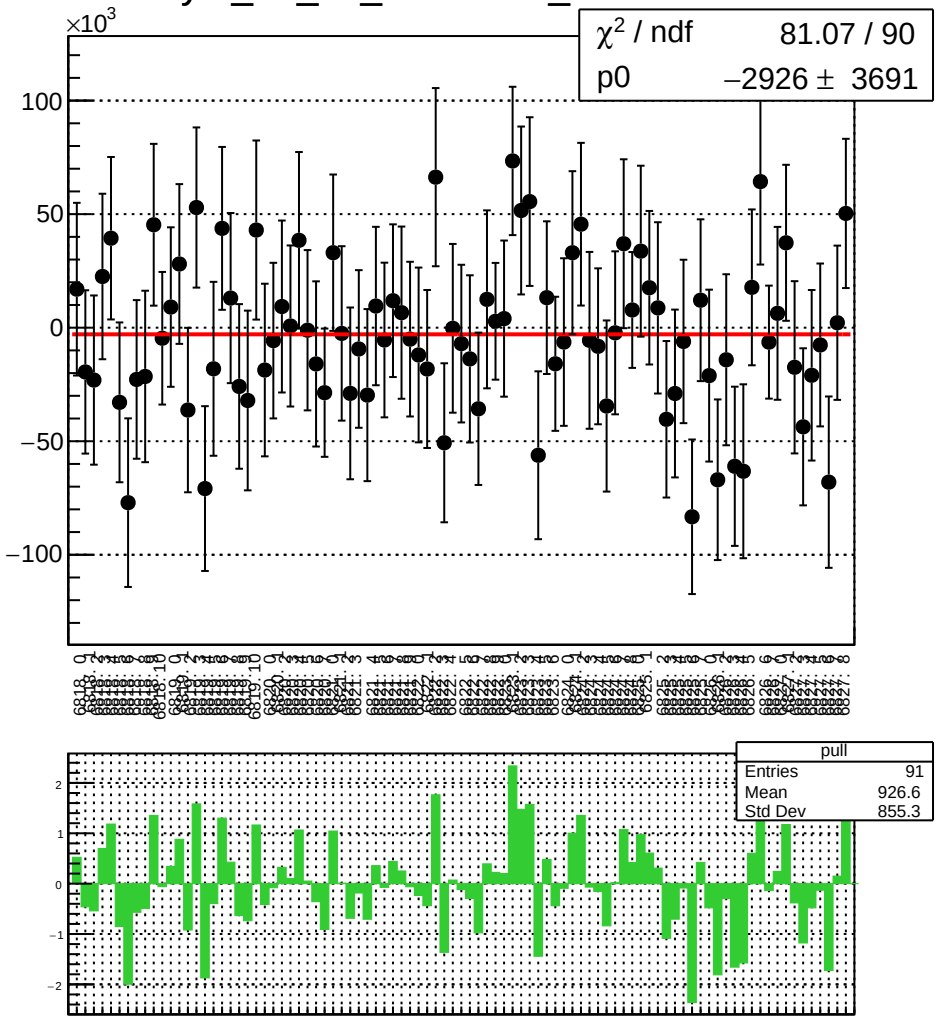

pull1D
Entries 91
Mean −0.0005551
Std Dev 0.9616
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

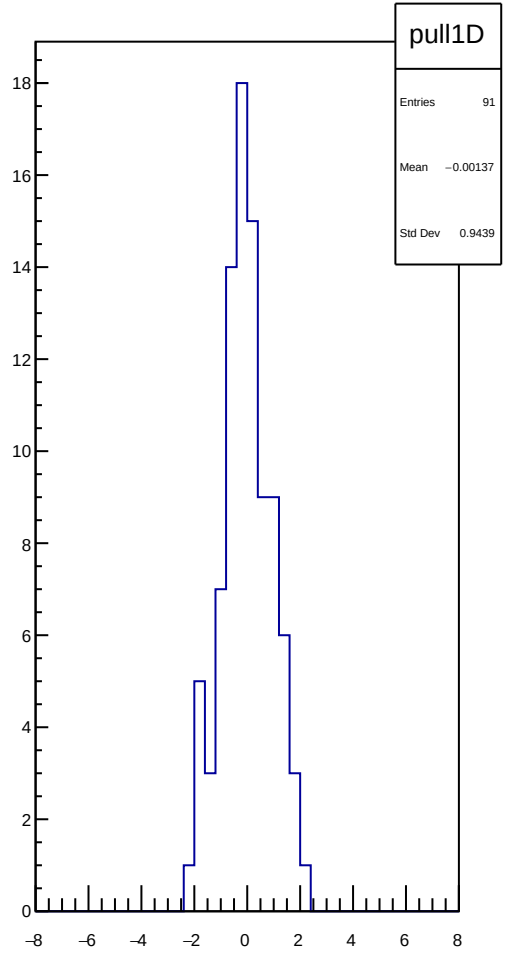

asym_atr_avg_rms vs run
χ² / ndf 3062 / 90
p0 4101 ± 3.121
5200
5000
4800
4600
4400
4200
4000
3800

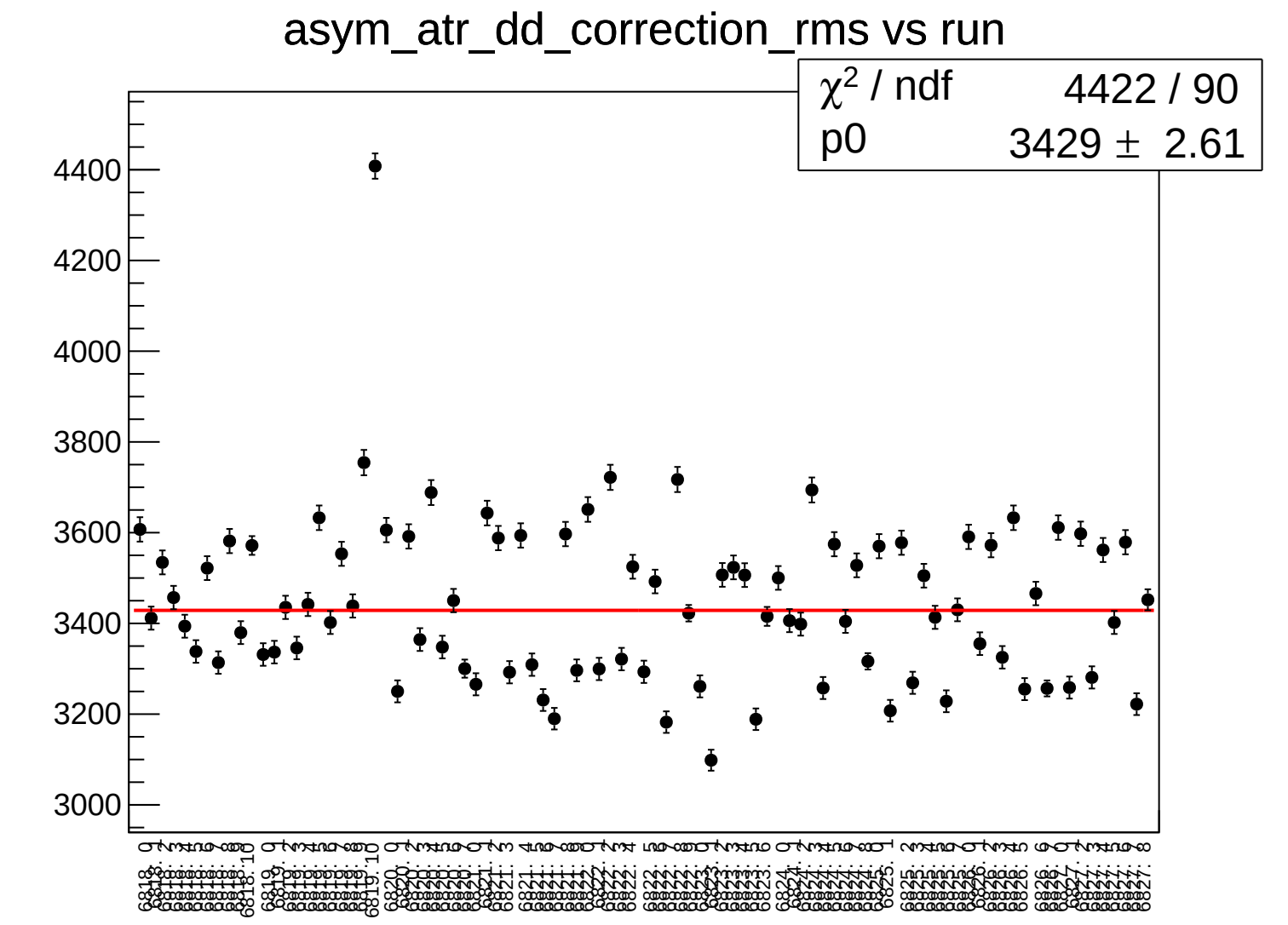

dit_asym_atr_dd_mean vs run
χ² / ndf 96.54 / 90
p0 1997 ± 1974
pull
Entries 91
Mean −133.9
Std Dev 167.8

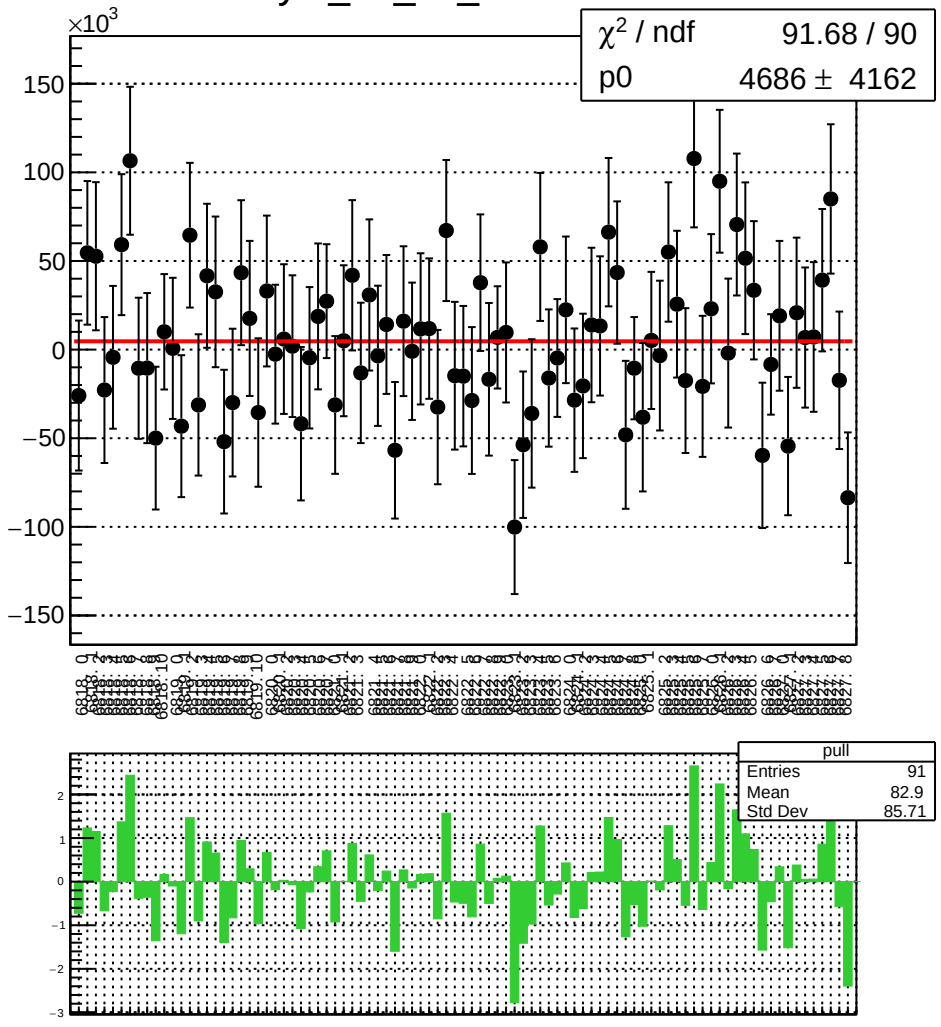

pull1D
Entries 91
Mean 0.009047
Std Dev 1.03

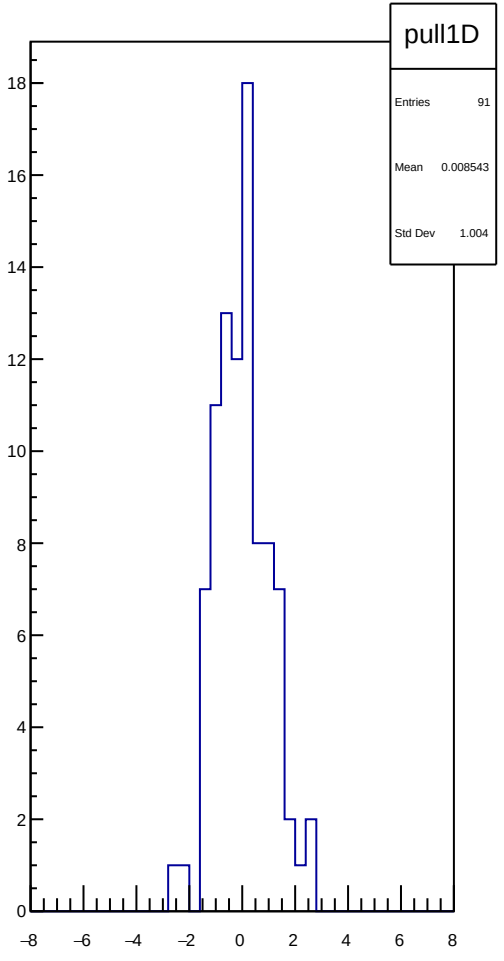

dit_asym_atr_dd_rms vs run
χ^2 / ndf 72.38 / 90
p0 1835 ± 1.396
1880
1870
1860
1850
1840
1830
1820
1810
1800
1790

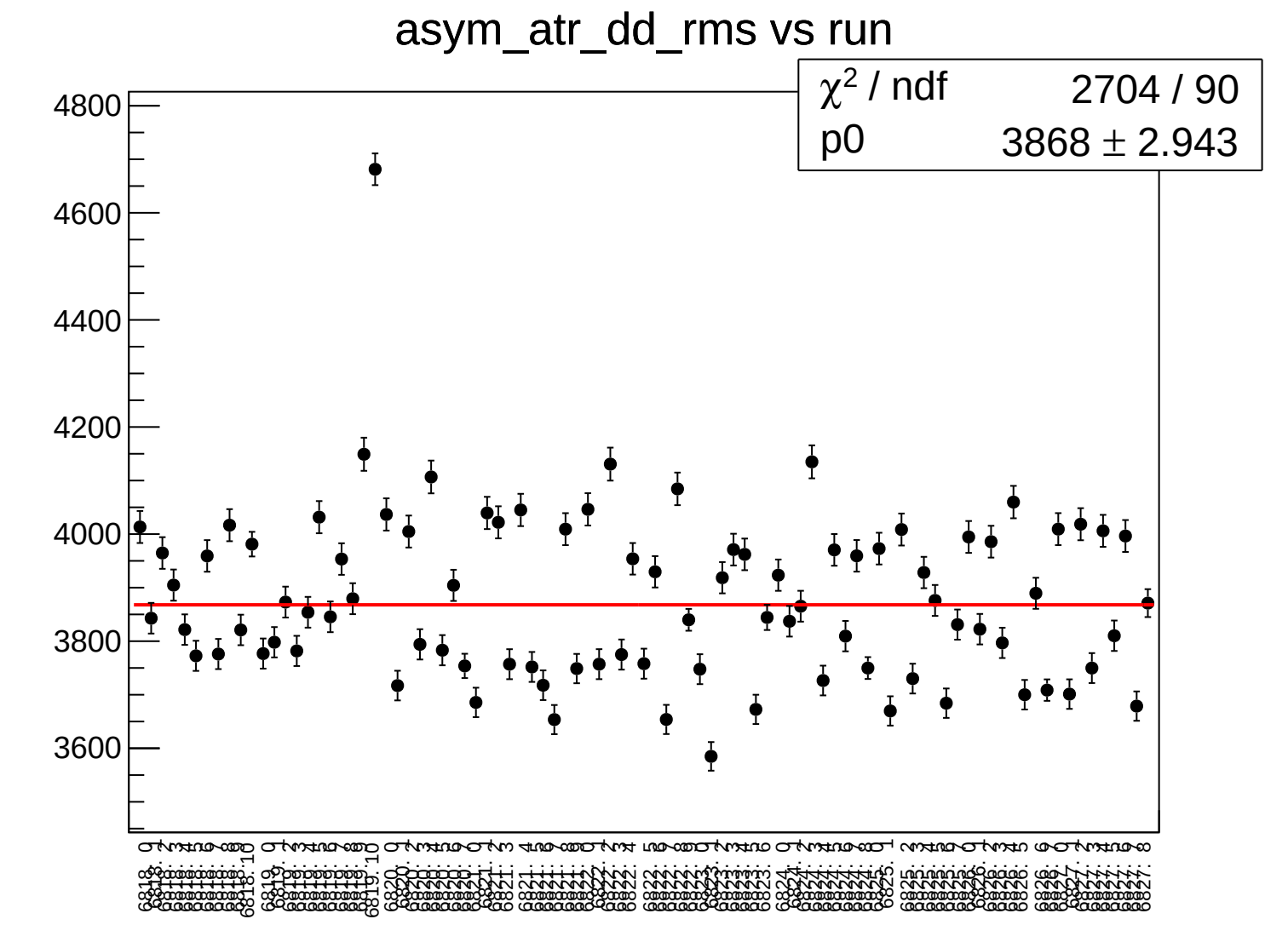

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 81.07 / 90
p0 −2926 ± 3691
100
50
0
−50
−100
pull
Entries 91
Mean 926.6
Std Dev 855.3
2
1
0
−1
−2

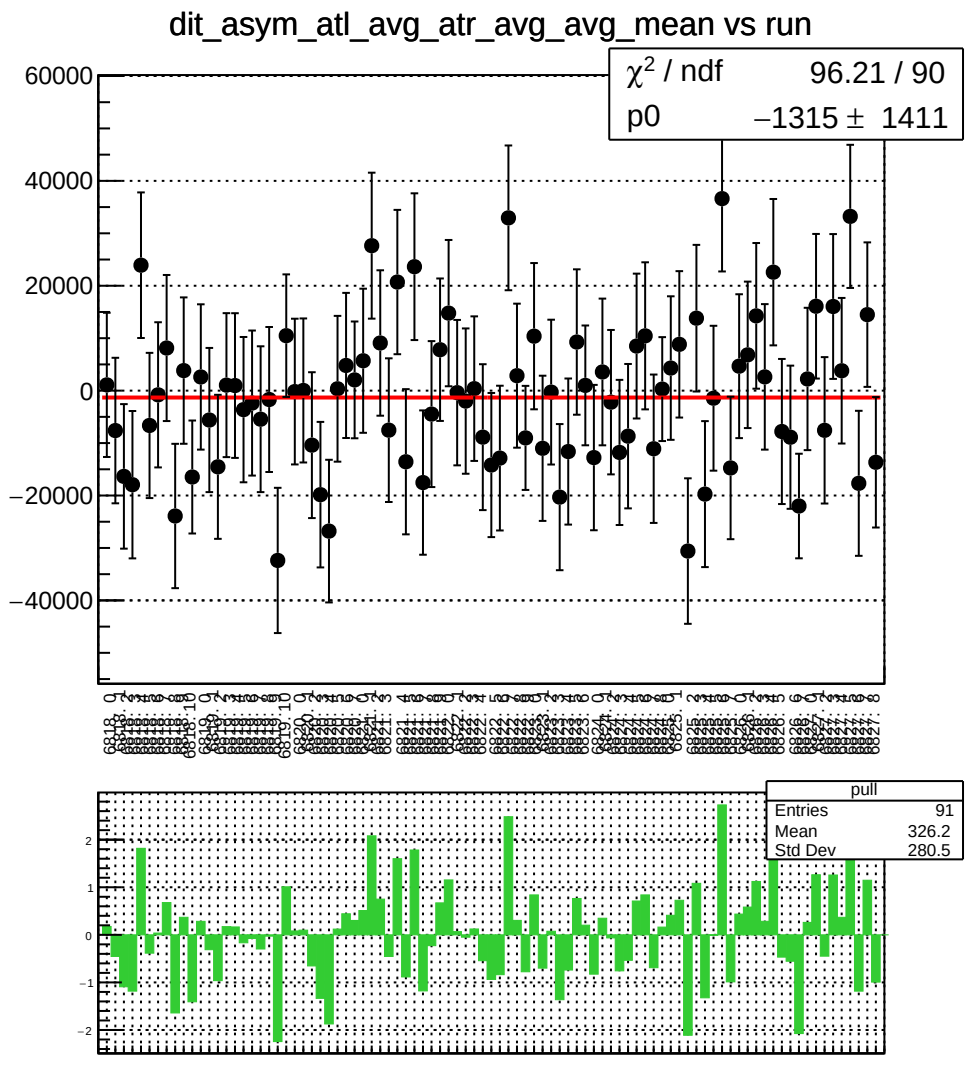

pull1D
Entries 91
Mean −0.00137
Std Dev 0.9439
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

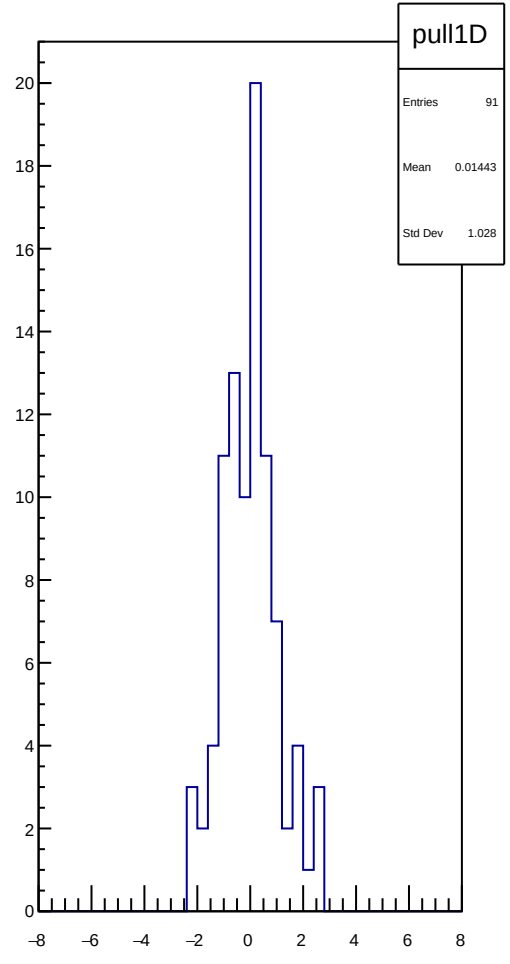

asym_atr_dd_correction_rms vs run
χ² / ndf 4422 / 90
p0 3429 ± 2.61
4400
4200
4000
3800
3600
3400
3200
3000

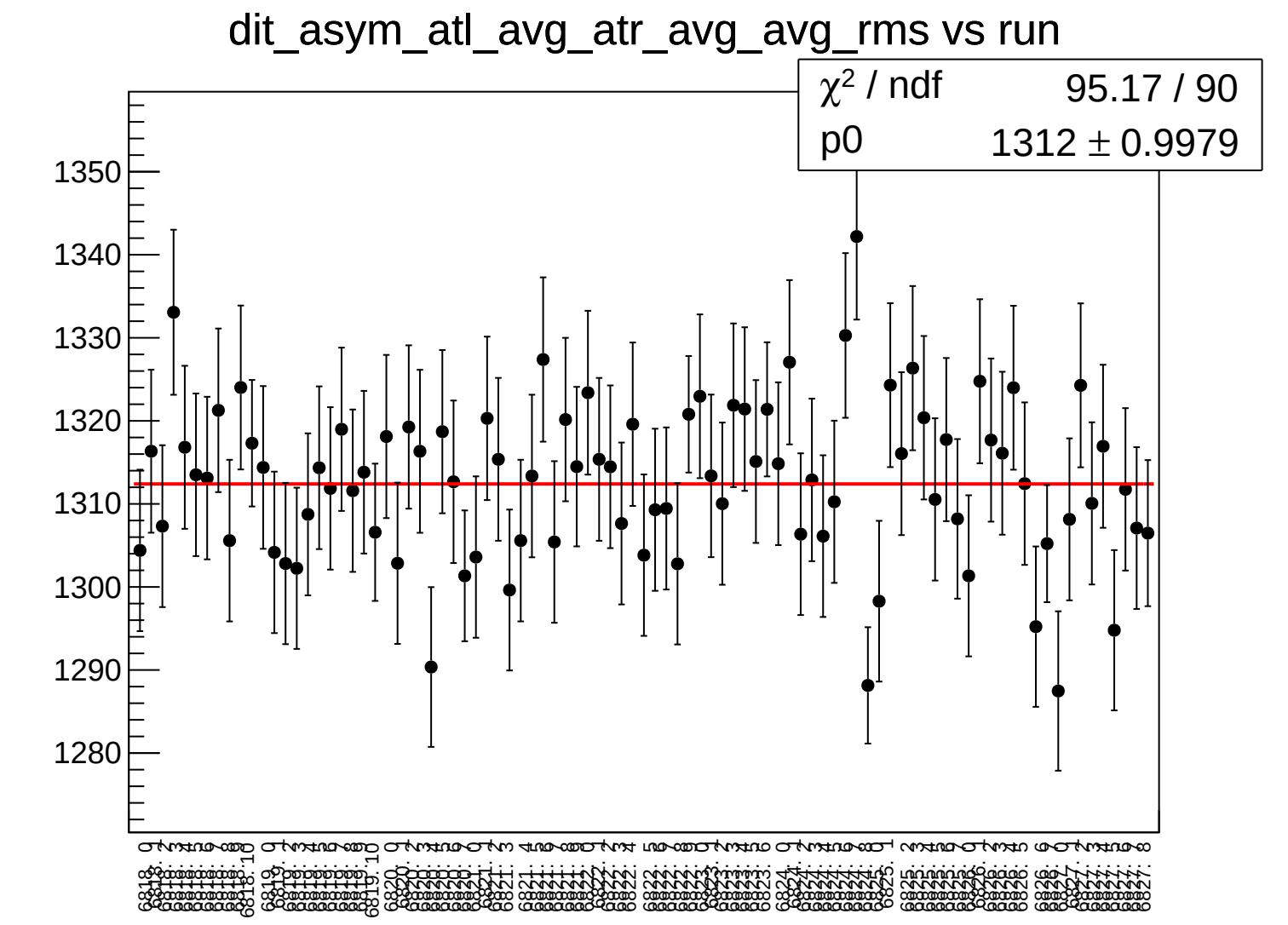

asym_atr_dd_mean vs run
×10^3
χ² / ndf 91.68 / 90
p0 4686 ± 4162
pull
Entries 91
Mean 82.9
Std Dev 85.71

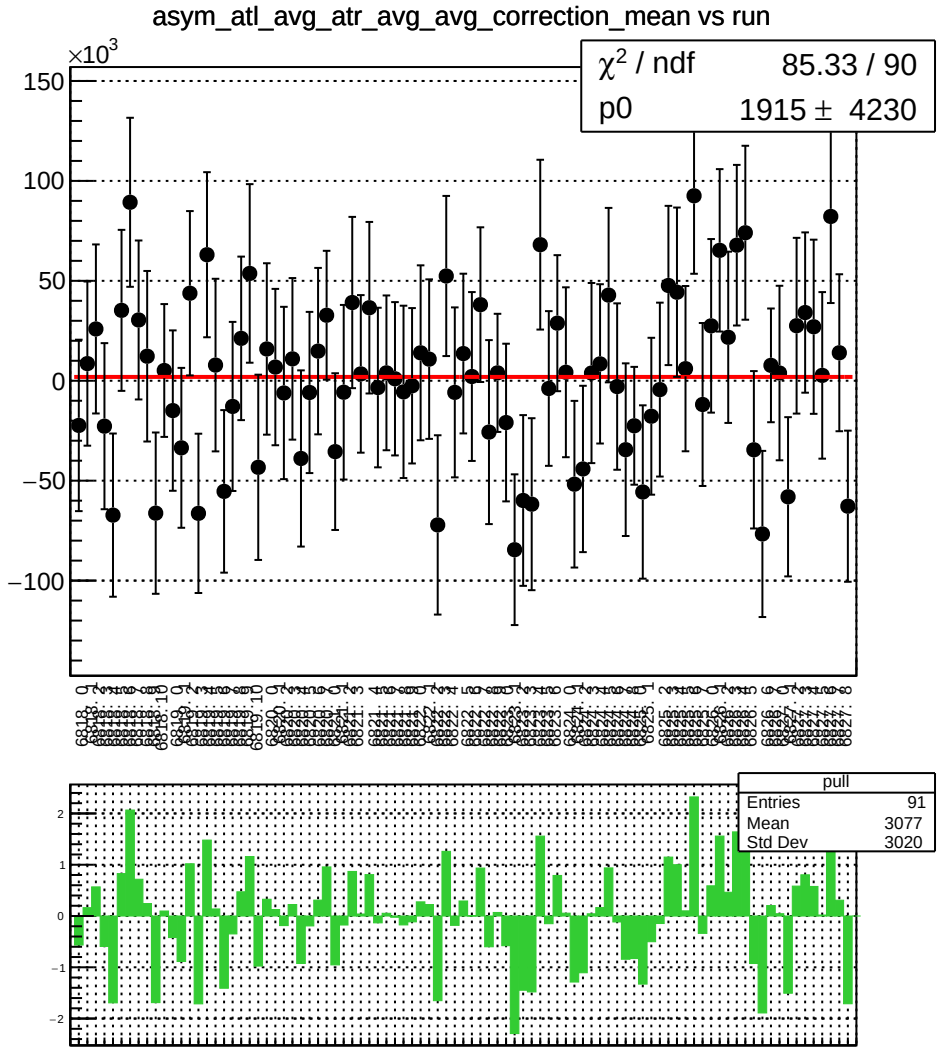

pull1D
Entries 91
Mean 0.008543
Std Dev 1.004

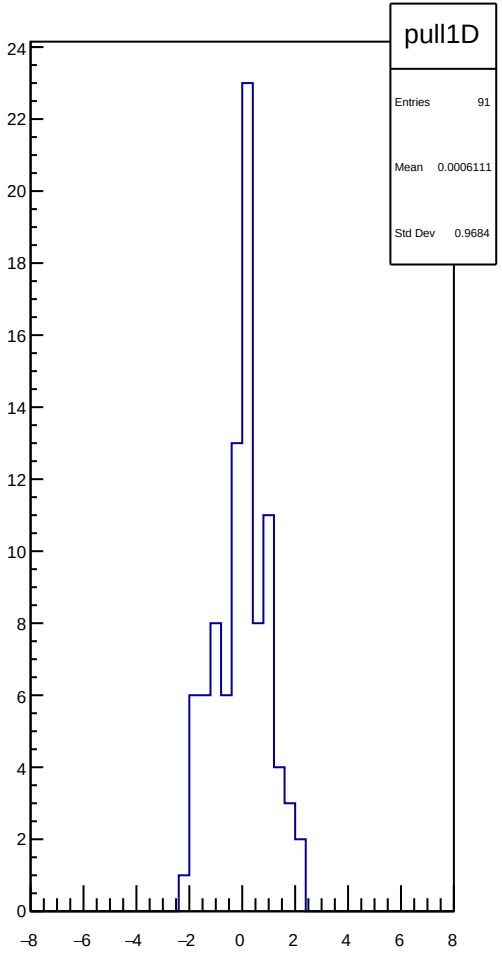

asym_atr_dd_rms vs run
χ² / ndf 2704 / 90
p0 3868 ± 2.943
4800
4600
4400
4200
4000
3800
3600

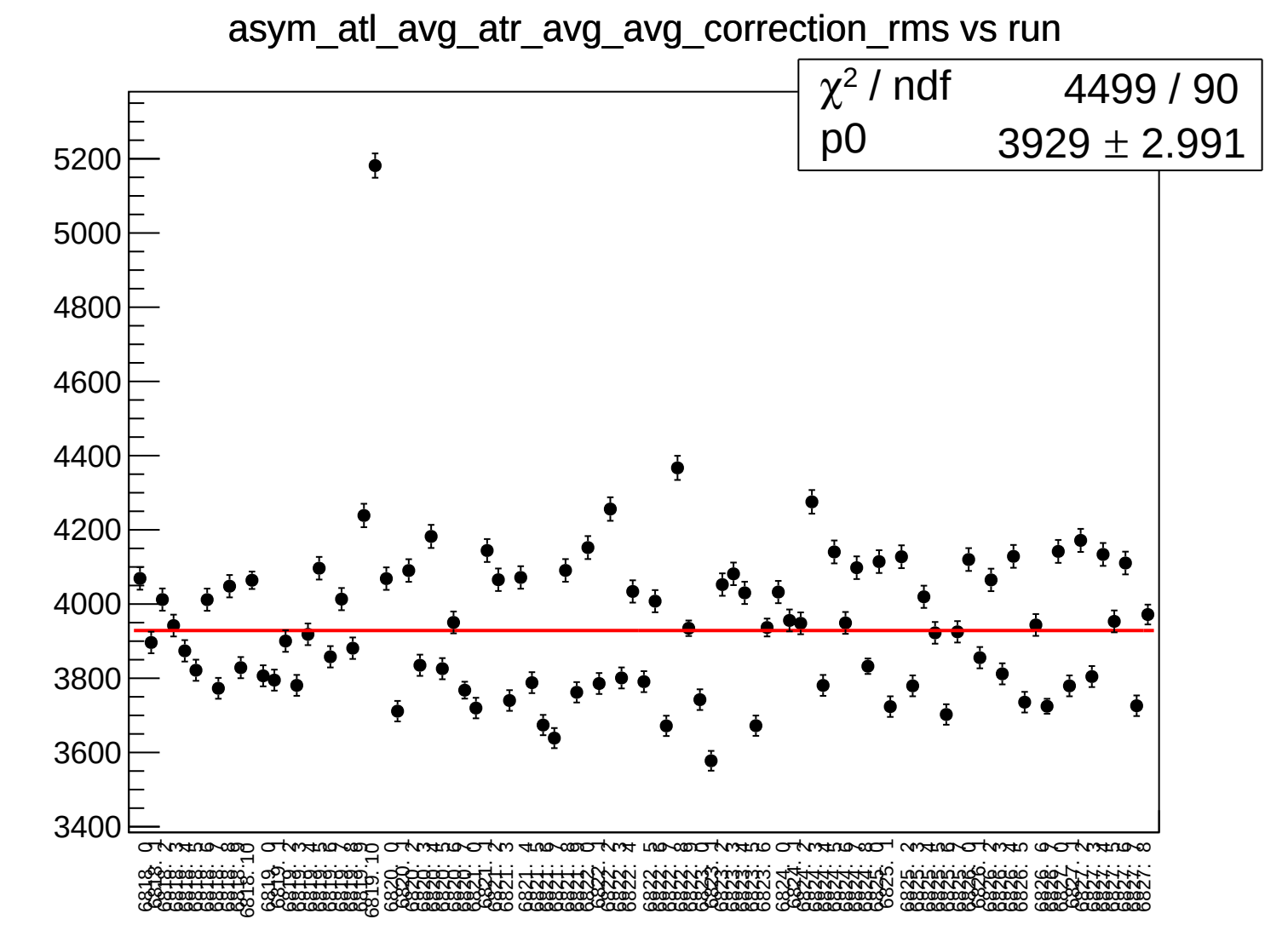

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 96.21 / 90
p0 −1315 ± 1411
pull
Entries 91
Mean 326.2
Std Dev 280.5

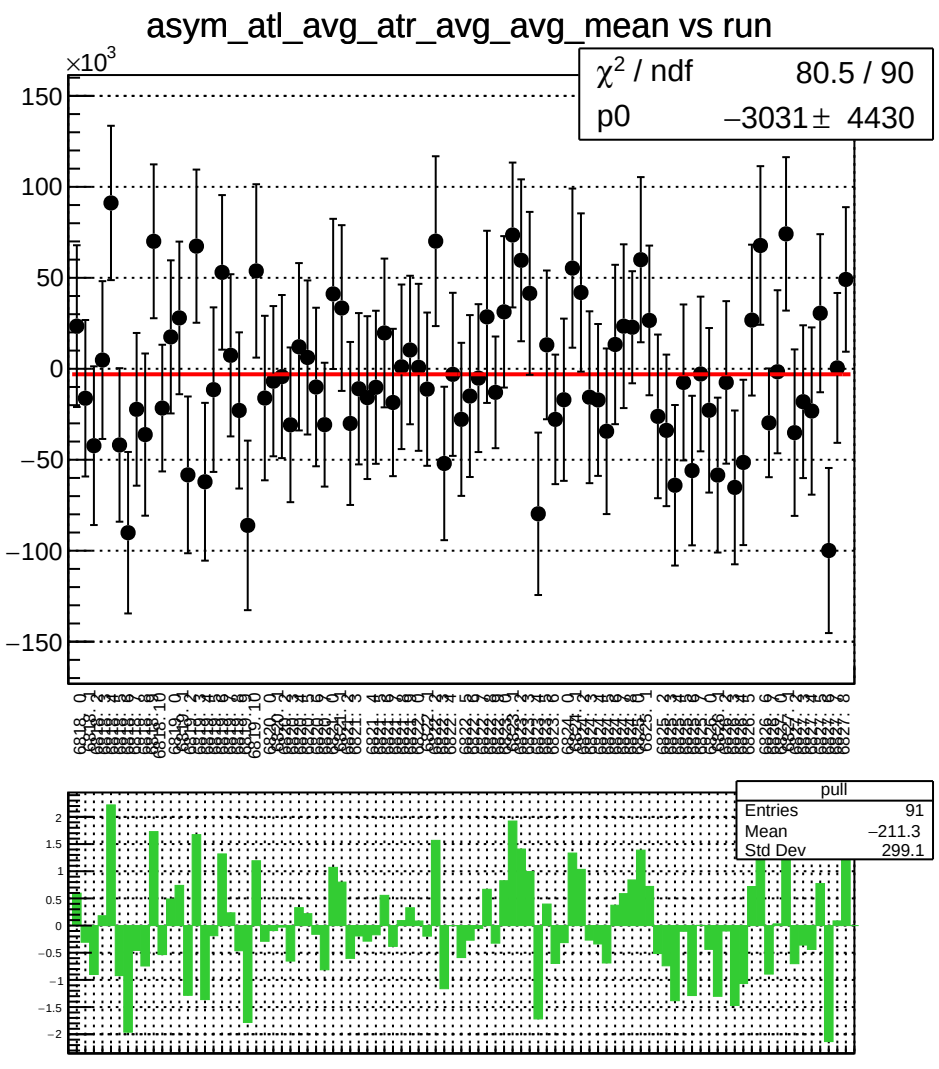

pull1D
Entries 91
Mean 0.01443
Std Dev 1.028

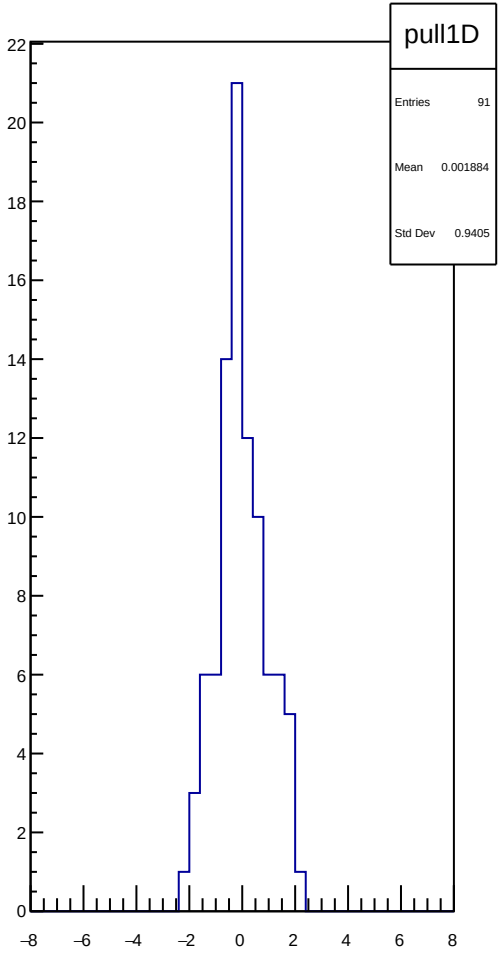

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 95.17 / 90
p0 1312 ± 0.9979
1350
1340
1330
1320
1310
1300
1290
1280

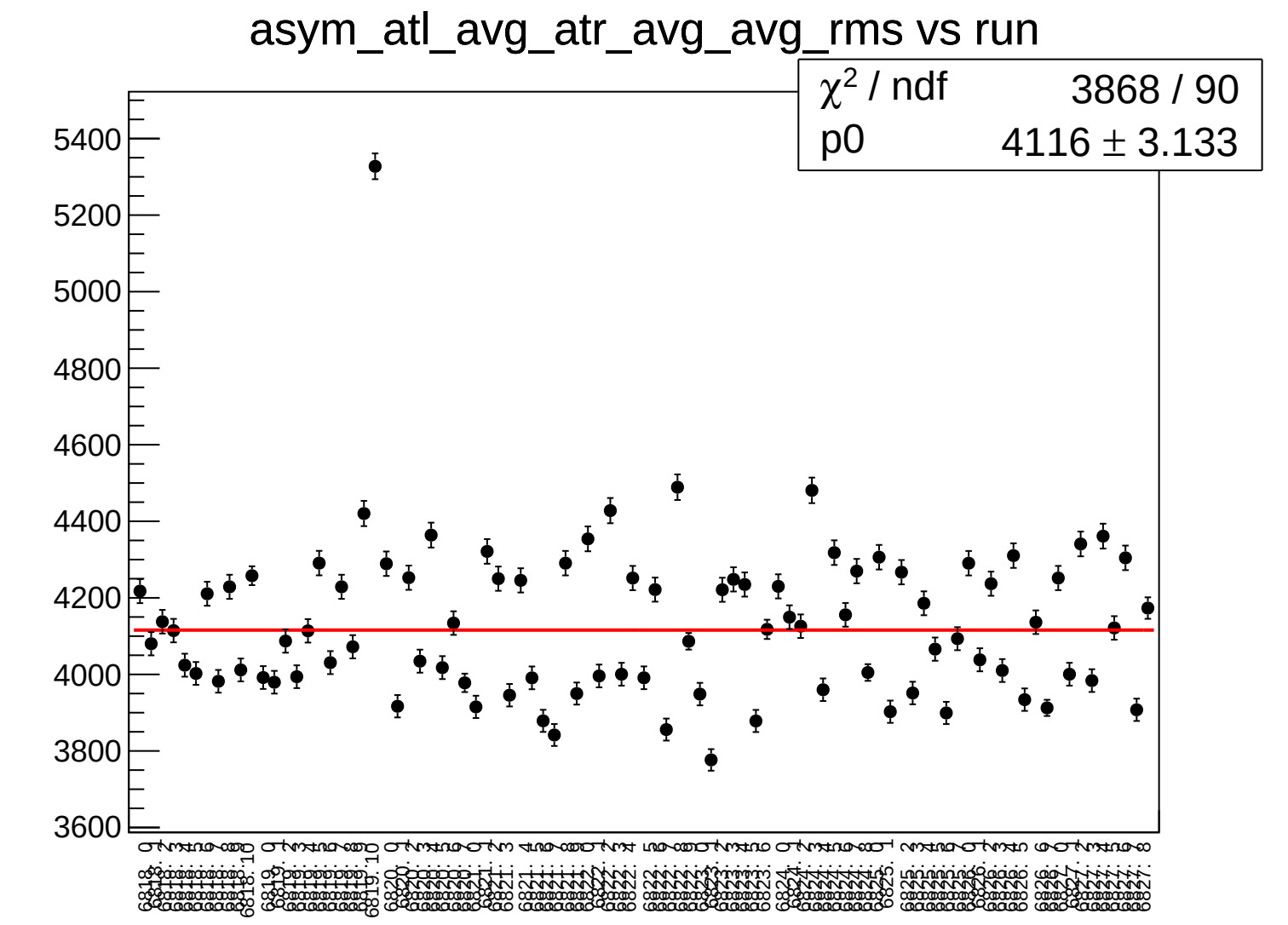

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 85.33 / 90
p0 1915 ± 4230
150
100
50
0
−50
−100
pull
Entries 91
Mean 3077
Std Dev 3020
2
1
0
−1
−2

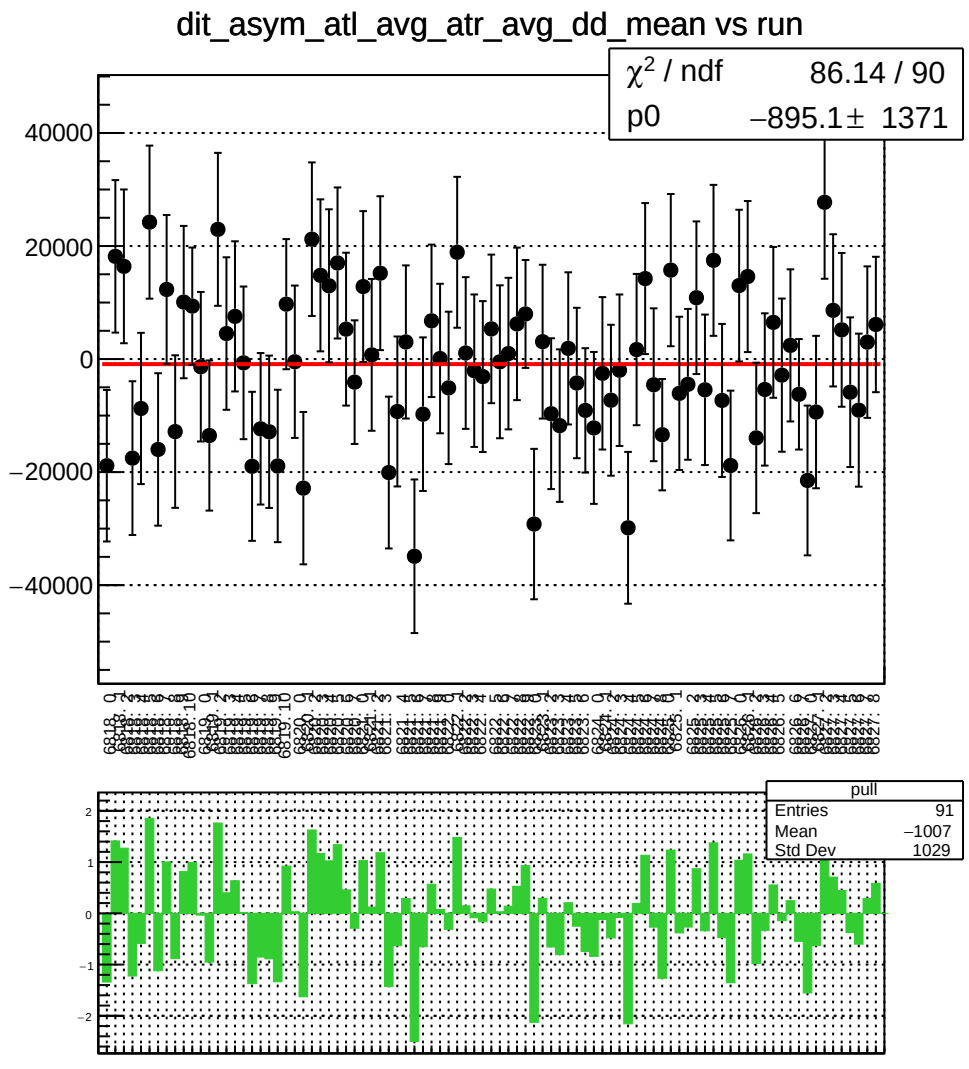

pull1D
Entries 91
Mean 0.0006111
Std Dev 0.9684
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

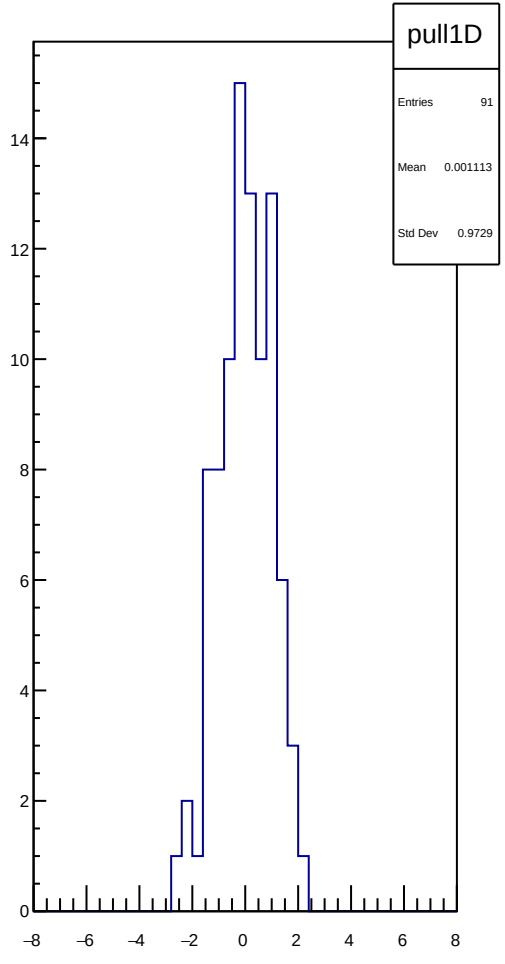

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 4499 / 90
p0 3929 ± 2.991
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400

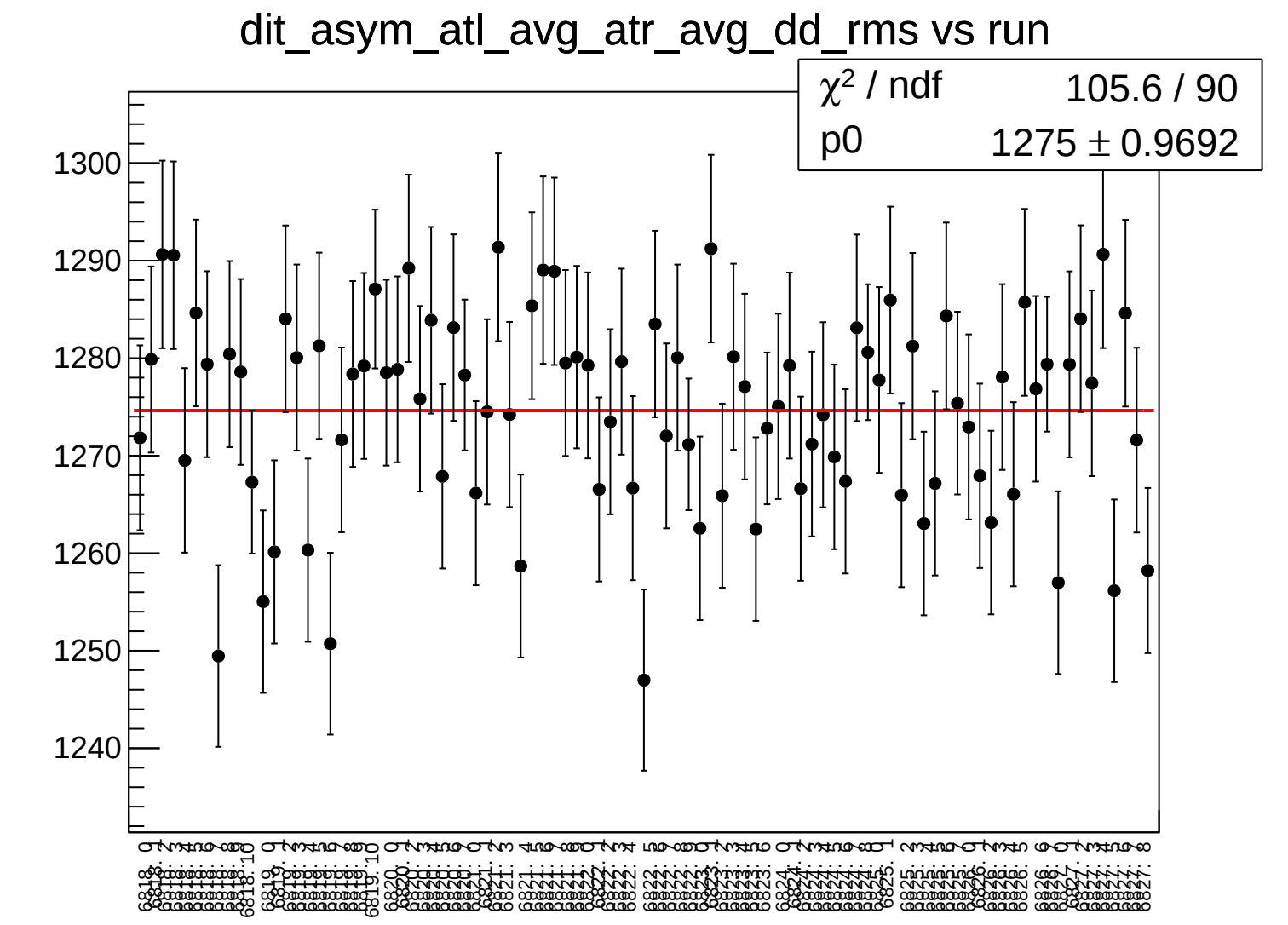

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 80.5 / 90
p0 −3031 ± 4430
×10³
pull
Entries 91
Mean −211.3
Std Dev 299.1

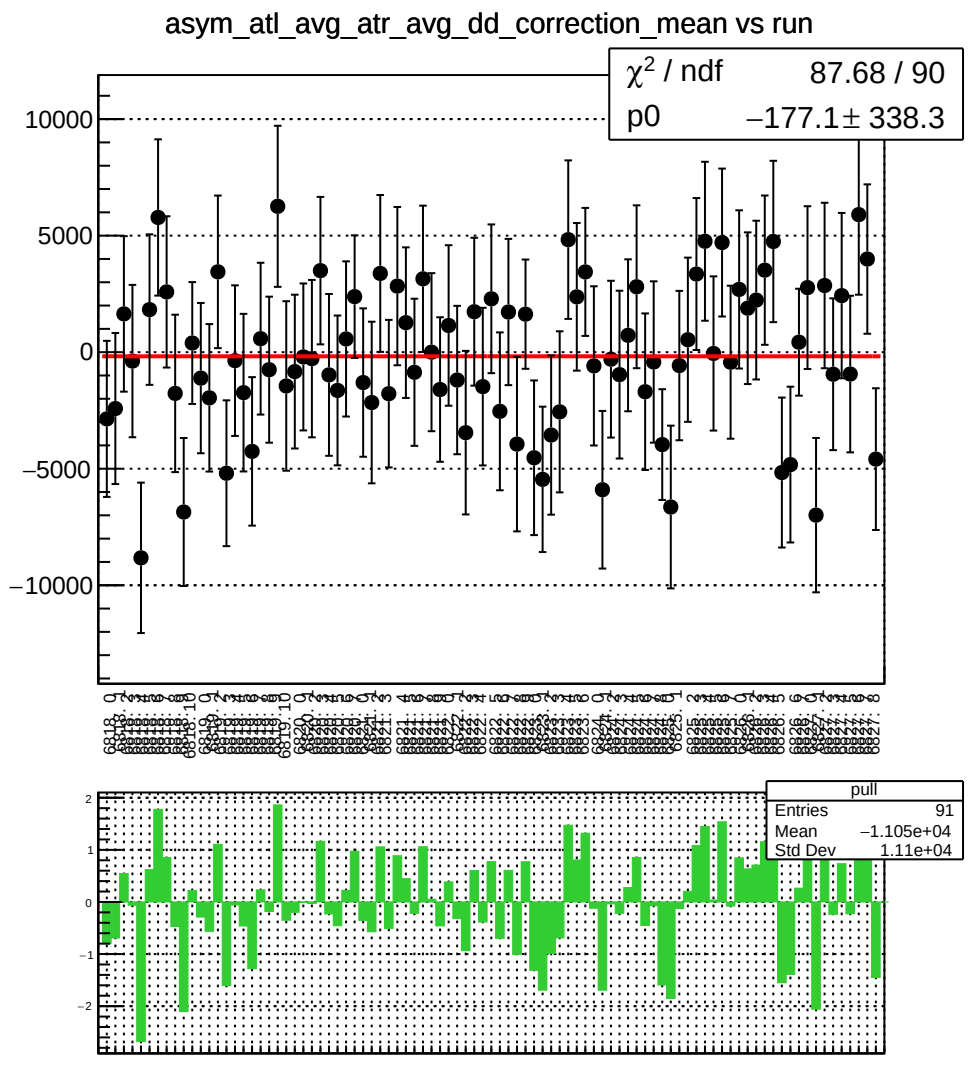

pull1D
Entries 91
Mean 0.001884
Std Dev 0.9405

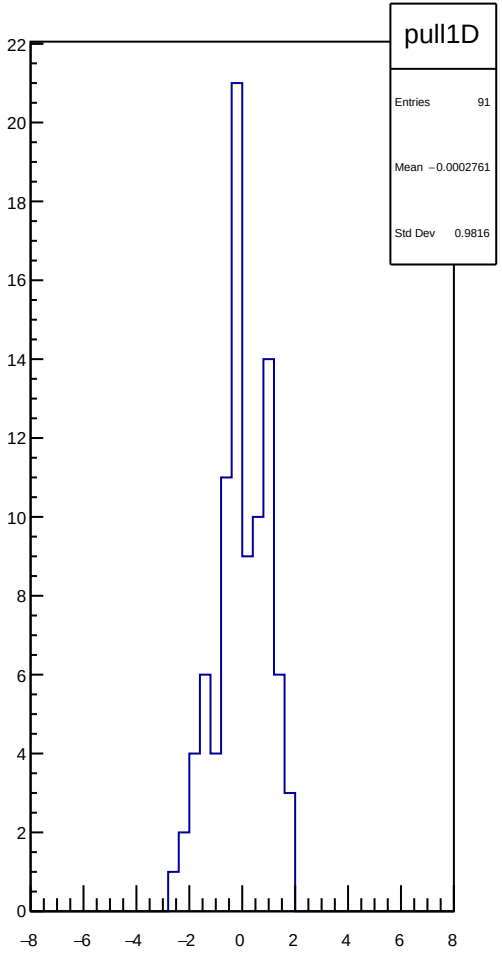

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3868 / 90
p0 4116 ± 3.133
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600

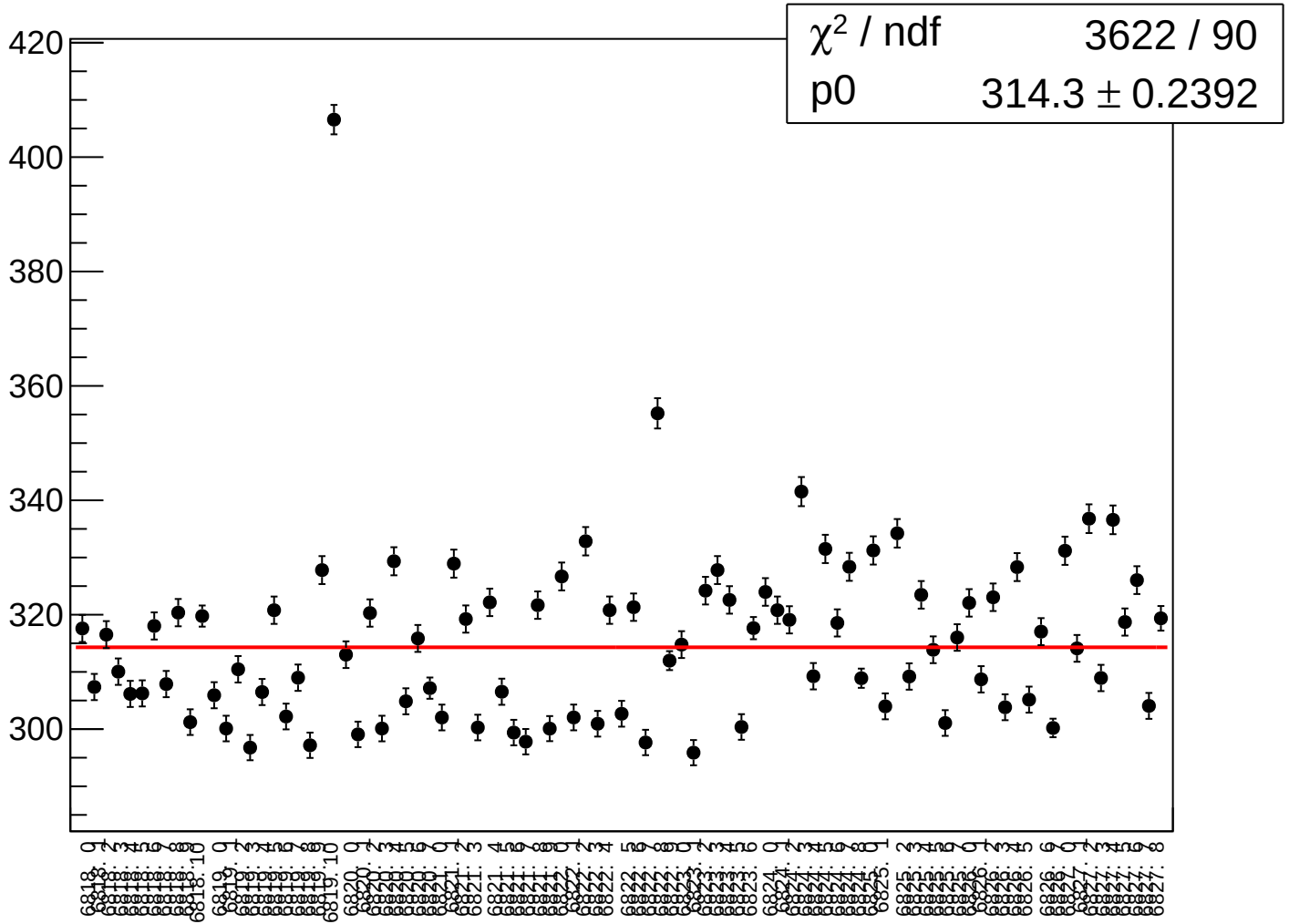

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 86.14 / 90
p0 −895.1± 1371
40000
20000
0
−20000
−40000
pull
Entries 91
Mean −1007
Std Dev 1029
2
1
0
−1
−2

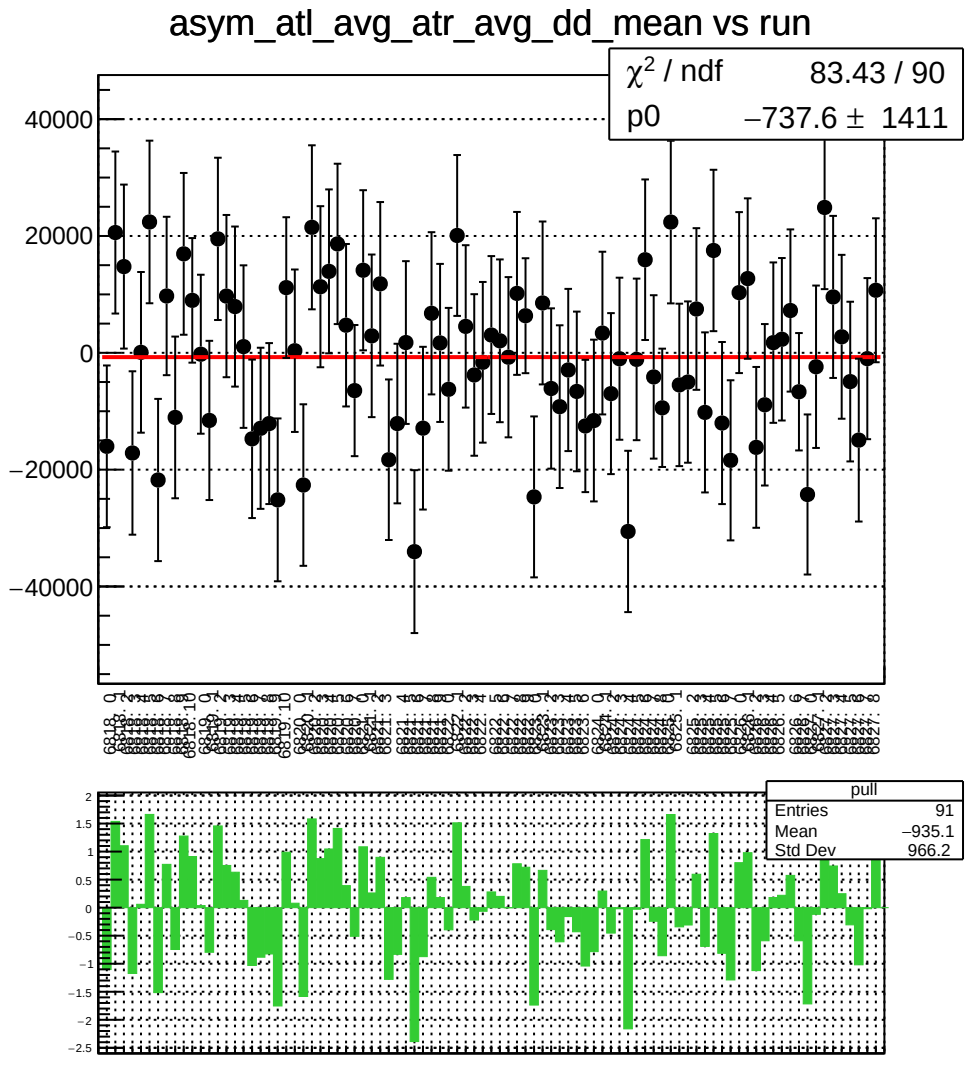

pull1D
Entries 91
Mean 0.001113
Std Dev 0.9729
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

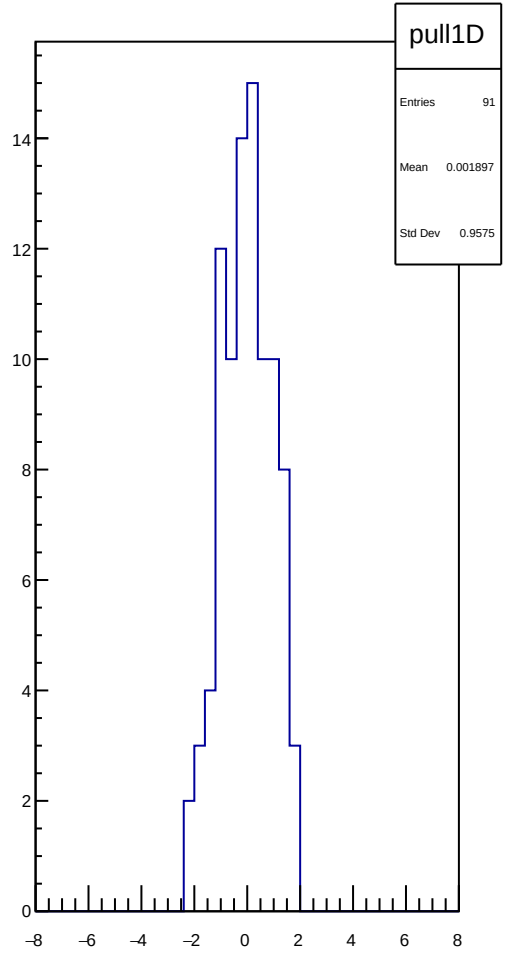

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 105.6 / 90
p0 1275 ± 0.9692
1300
1290
1280
1270
1260
1250
1240

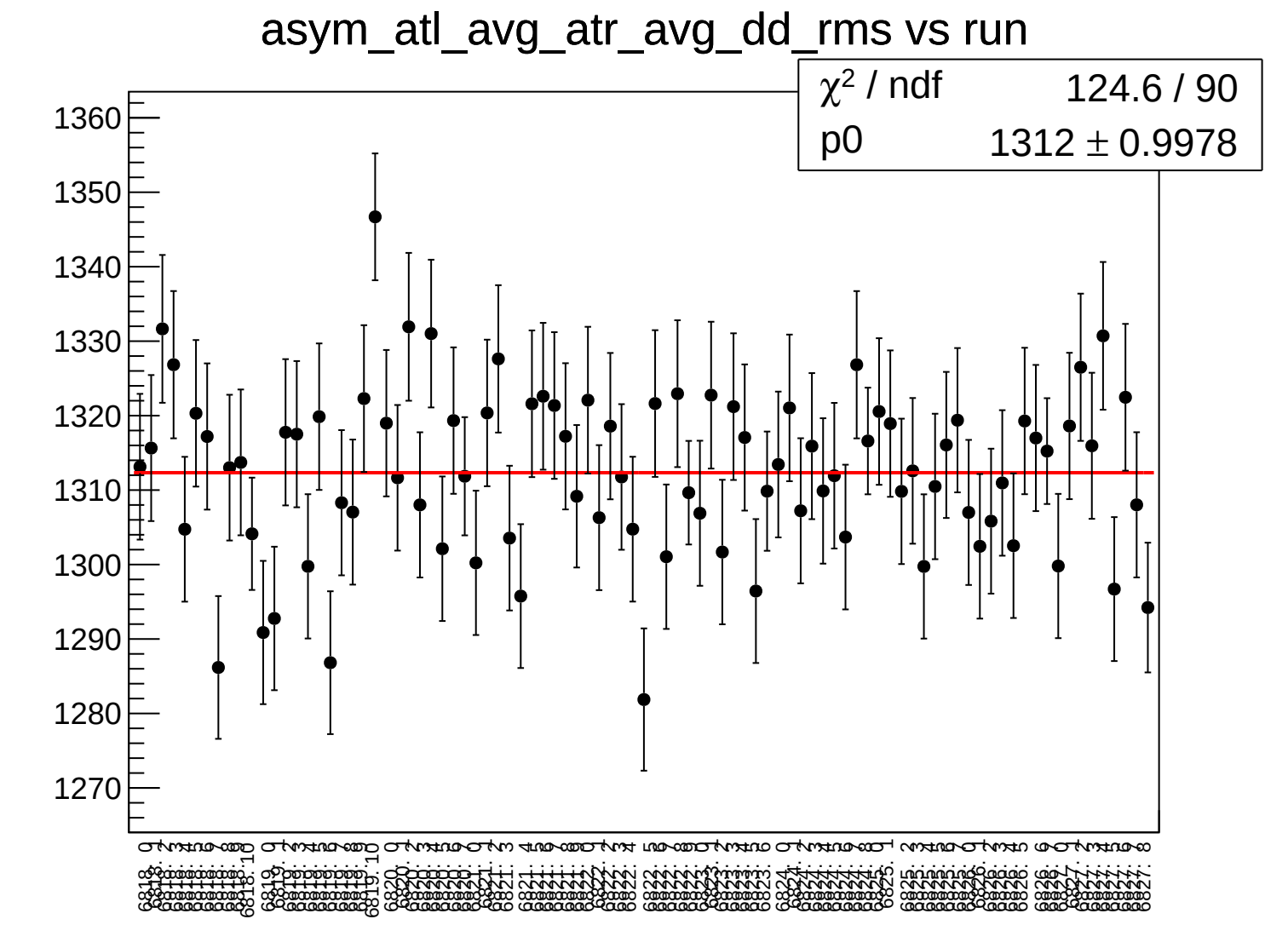

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 87.68 / 90
p0 −177.1± 338.3
10000
5000
0
−5000
−10000
pull
Entries 91
Mean −1.105e+04
Std Dev 1.11e+04
2
1
0
−1
−2

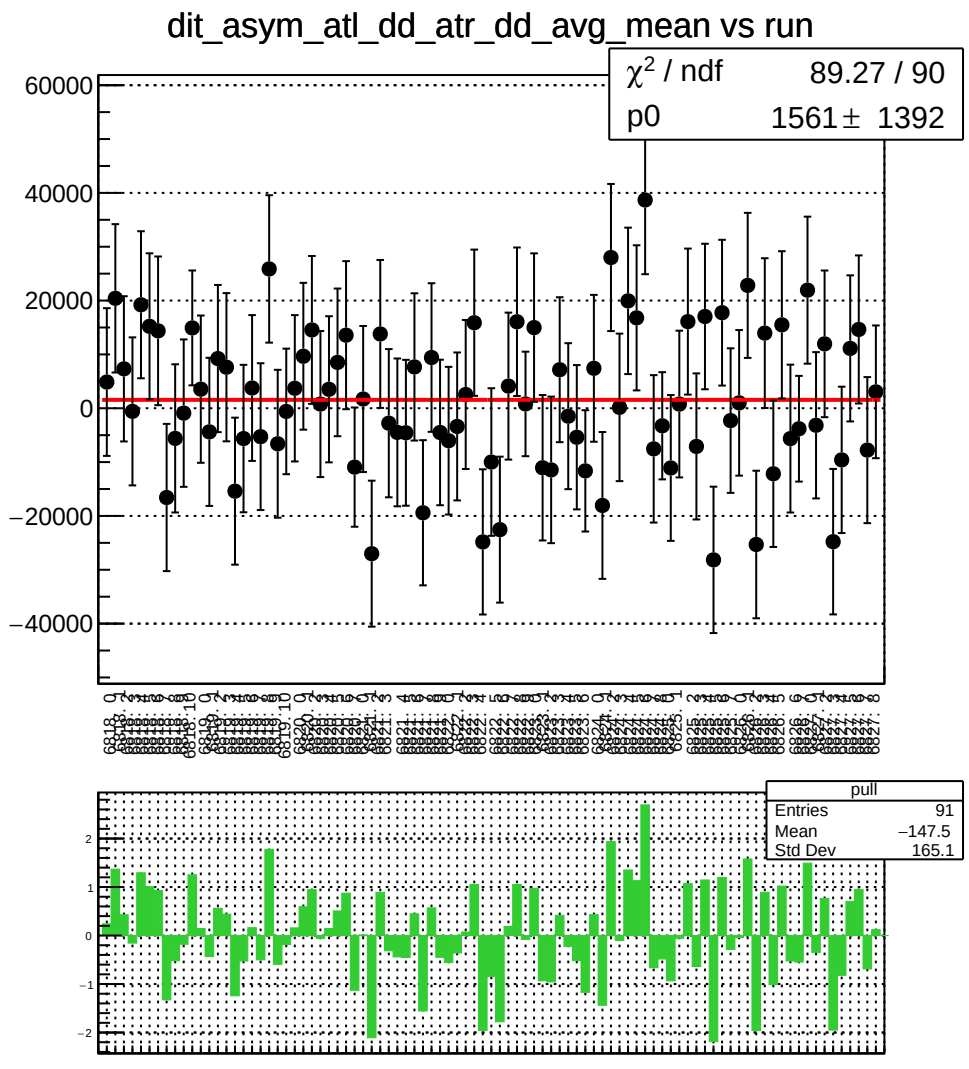

pull1D
Entries 91
Mean −0.0002761
Std Dev 0.9816
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

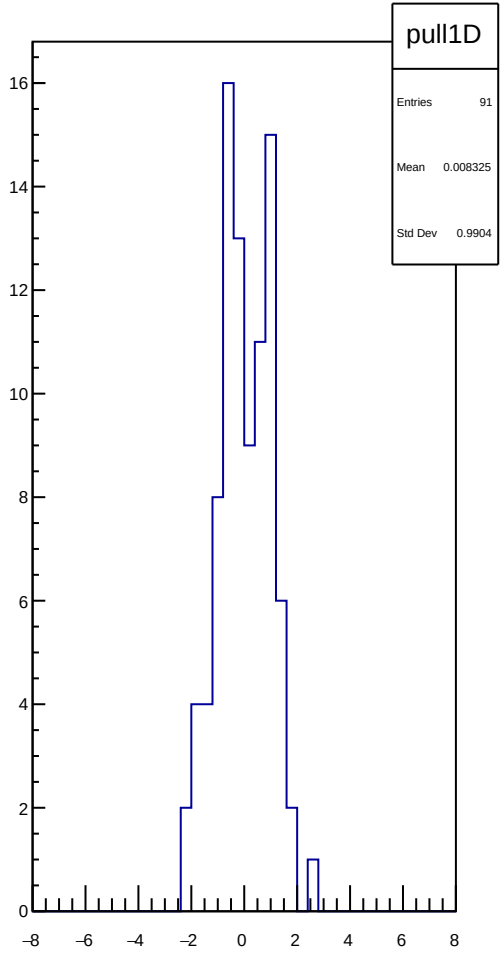

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3622 / 90
p0 314.3 ± 0.2392
420
400
380
360
340
320
300

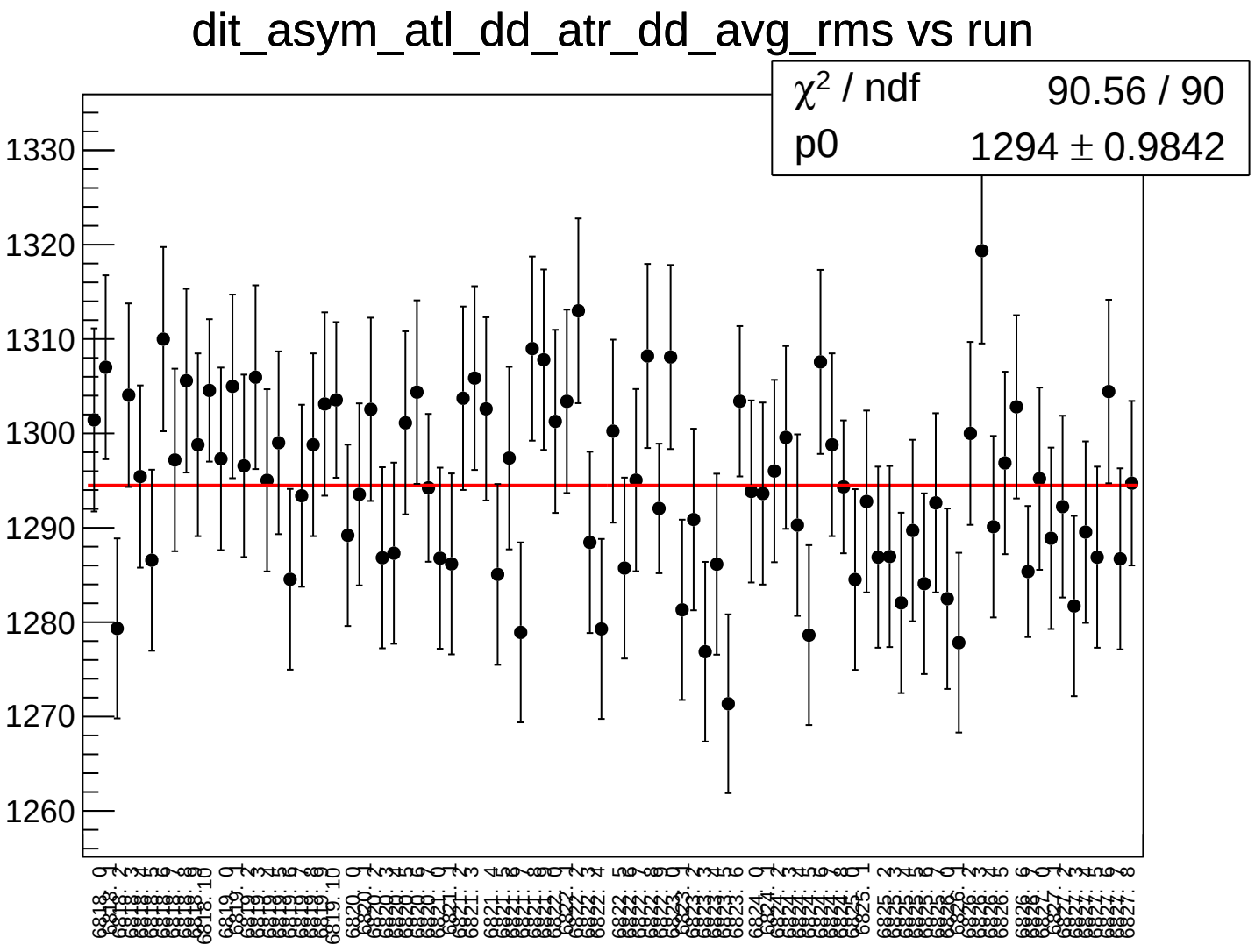

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 83.43 / 90
p0 −737.6 ± 1411
40000
20000
0
−20000
−40000
pull
Entries 91
Mean −935.1
Std Dev 966.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

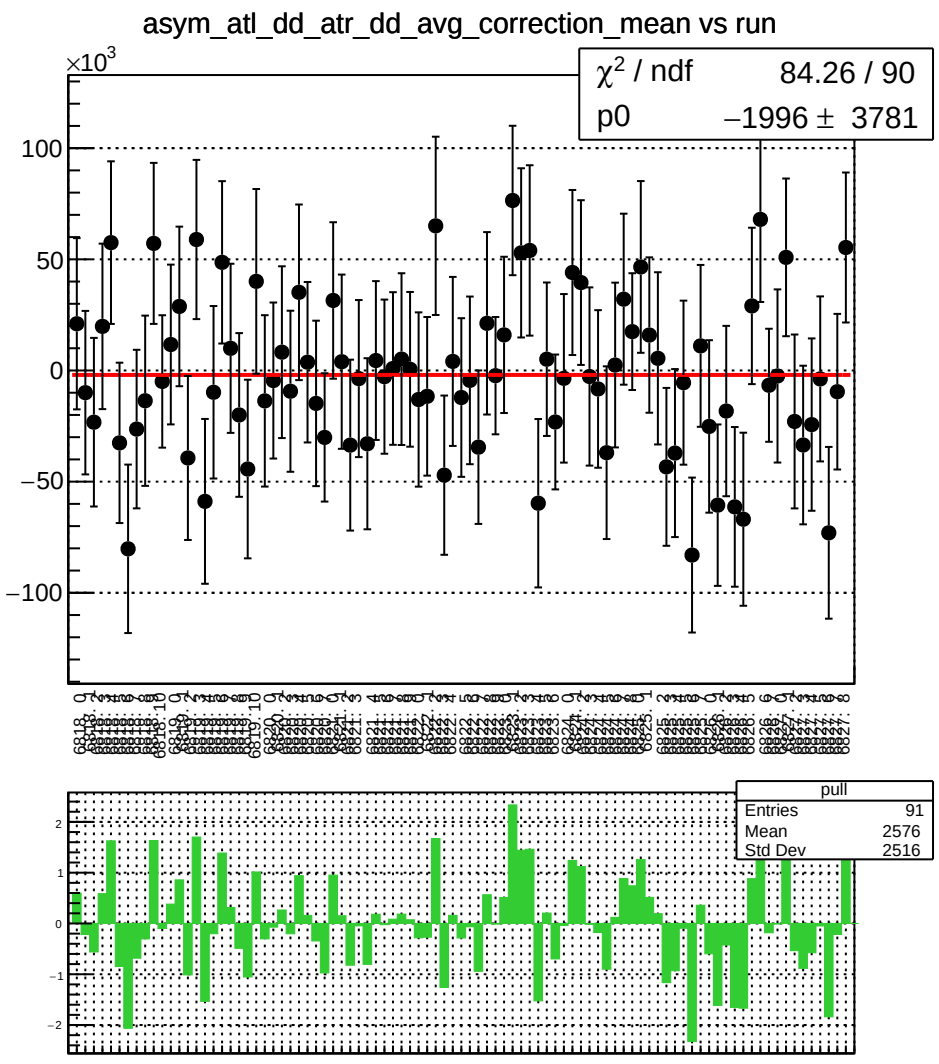

pull1D
Entries 91
Mean 0.001897
Std Dev 0.9575
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

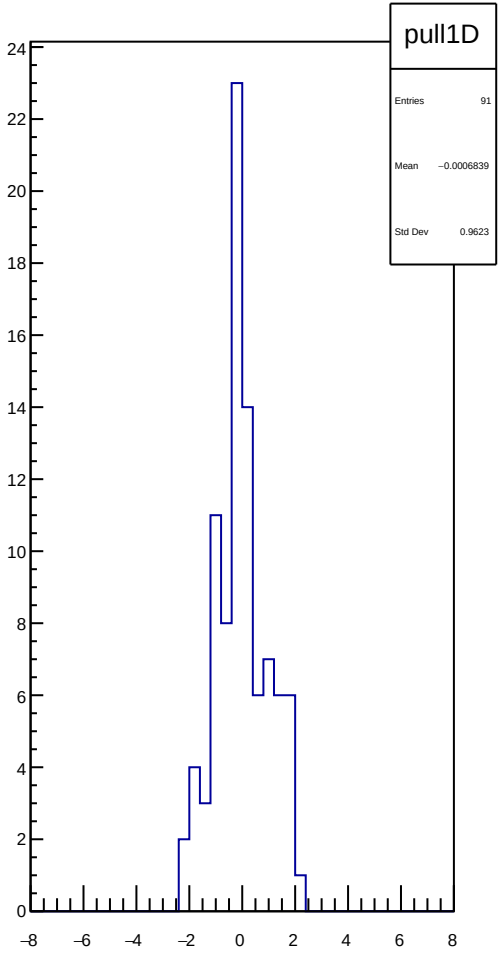

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 124.6 / 90
p0 1312 ± 0.9978
1360
1350
1340
1330
1320
1310
1300
1290
1280
1270

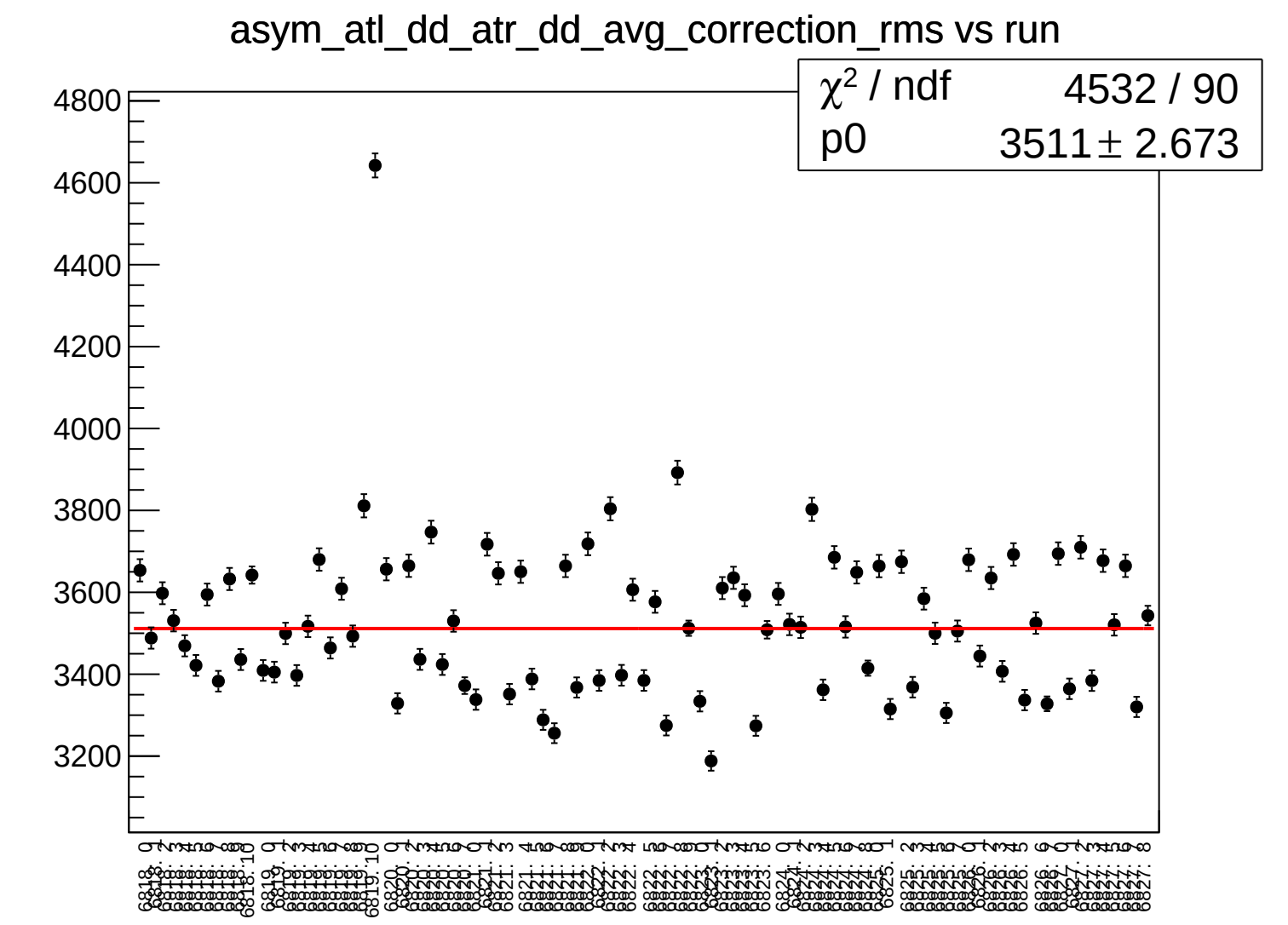

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 89.27 / 90
p0 1561 ± 1392
60000
40000
20000
0
−20000
−40000
pull
Entries 91
Mean −147.5
Std Dev 165.1
2
1
0
−1
−2

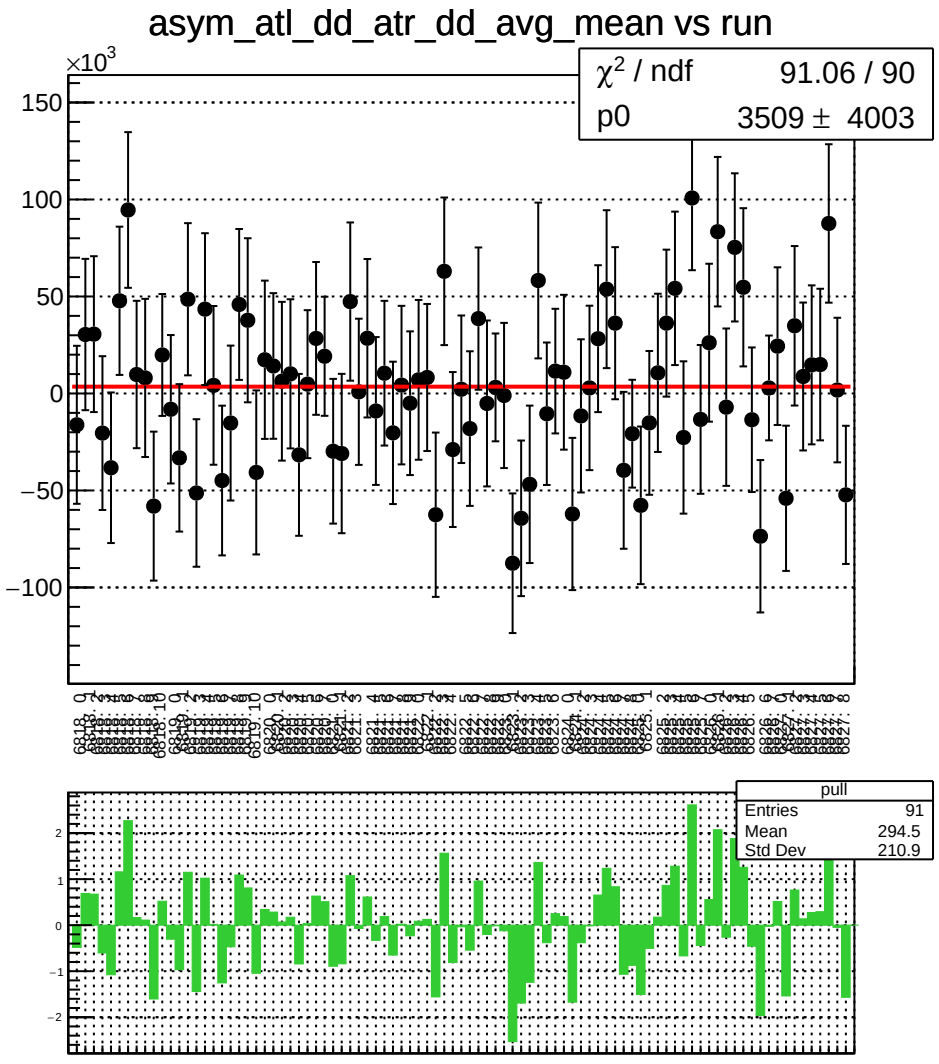

pull1D
Entries 91
Mean 0.008325
Std Dev 0.9904
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

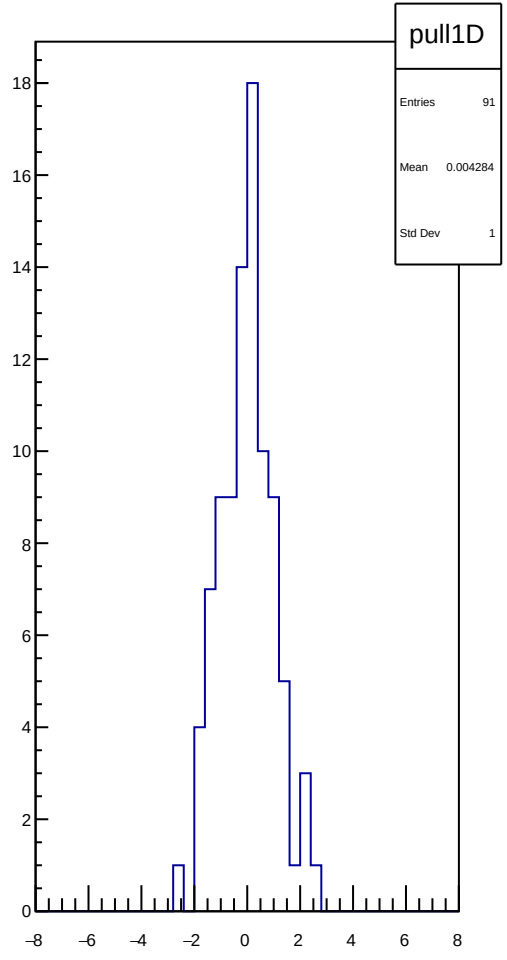

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 90.56 / 90
p0 1294 ± 0.9842
1330
1320
1310
1300
1290
1280
1270
1260

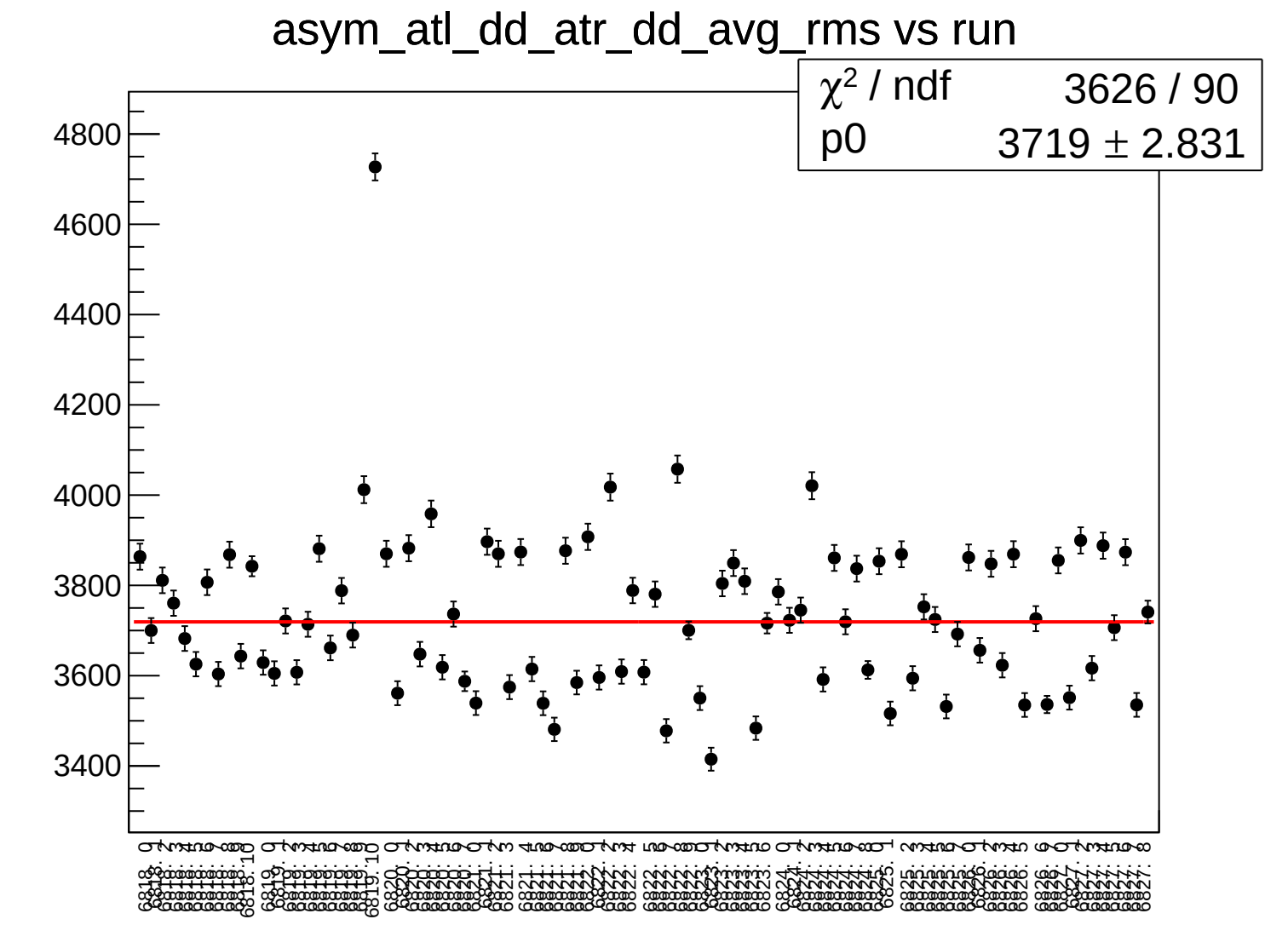

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 84.26 / 90
p0 −1996 ± 3781
100
50
0
−50
−100
pull
Entries 91
Mean 2576
Std Dev 2516
2
1
0
−1
−2

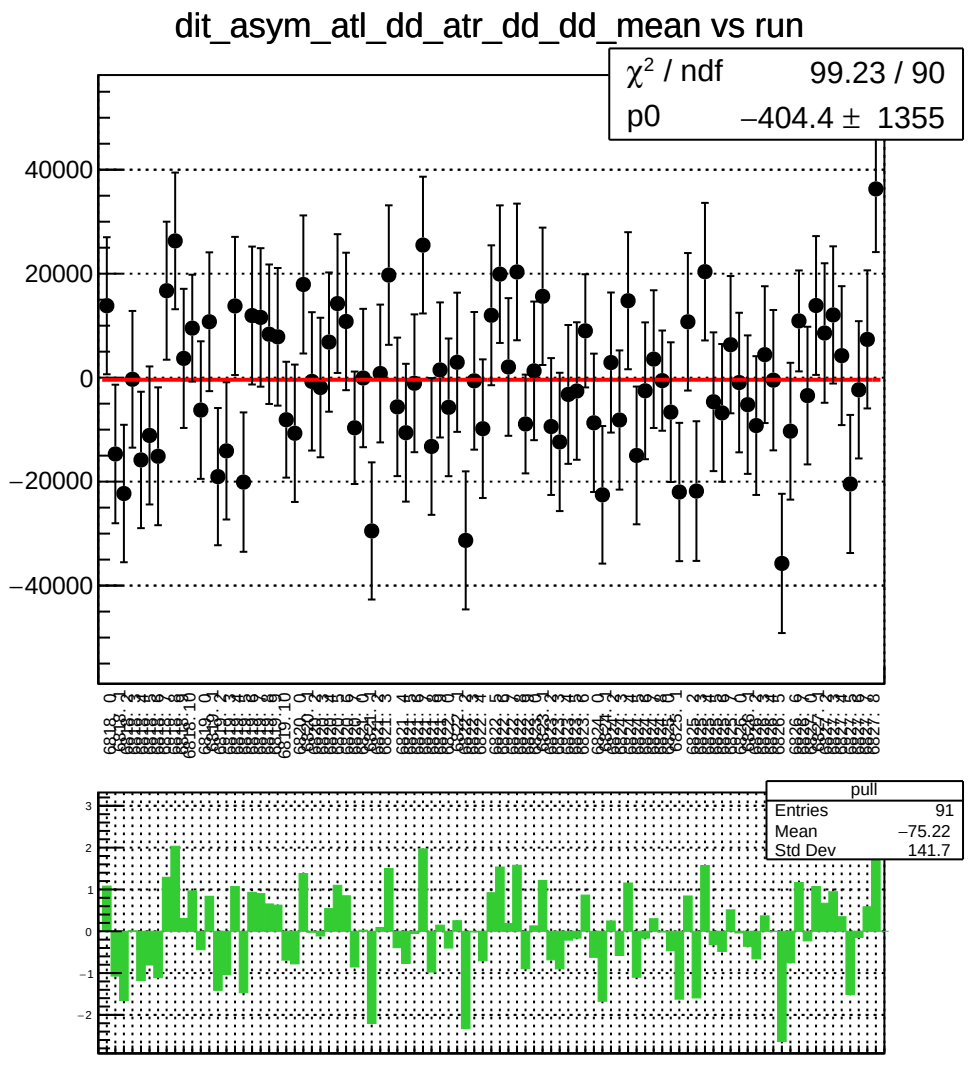

pull1D
Entries 91
Mean −0.0006839
Std Dev 0.9623
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

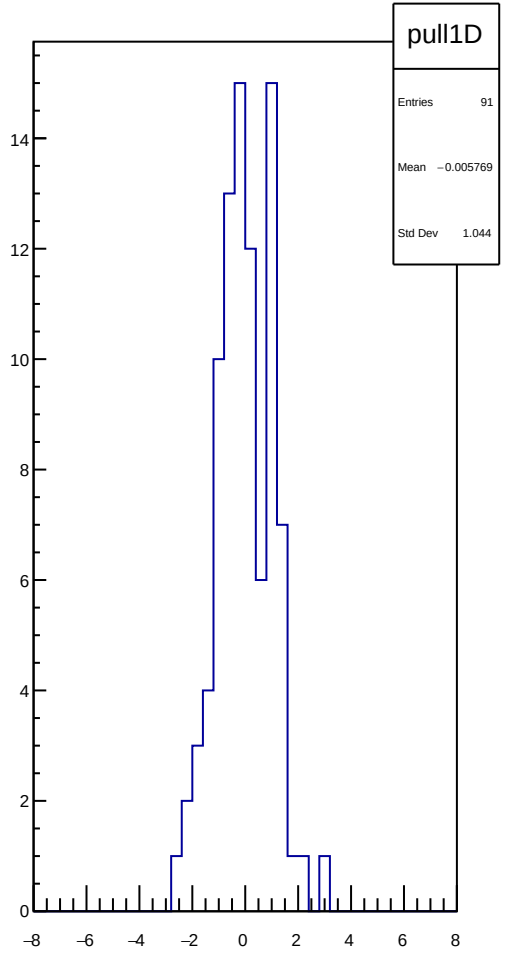

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 4532 / 90
p0 3511 ± 2.673
4800
4600
4400
4200
4000
3800
3600
3400
3200

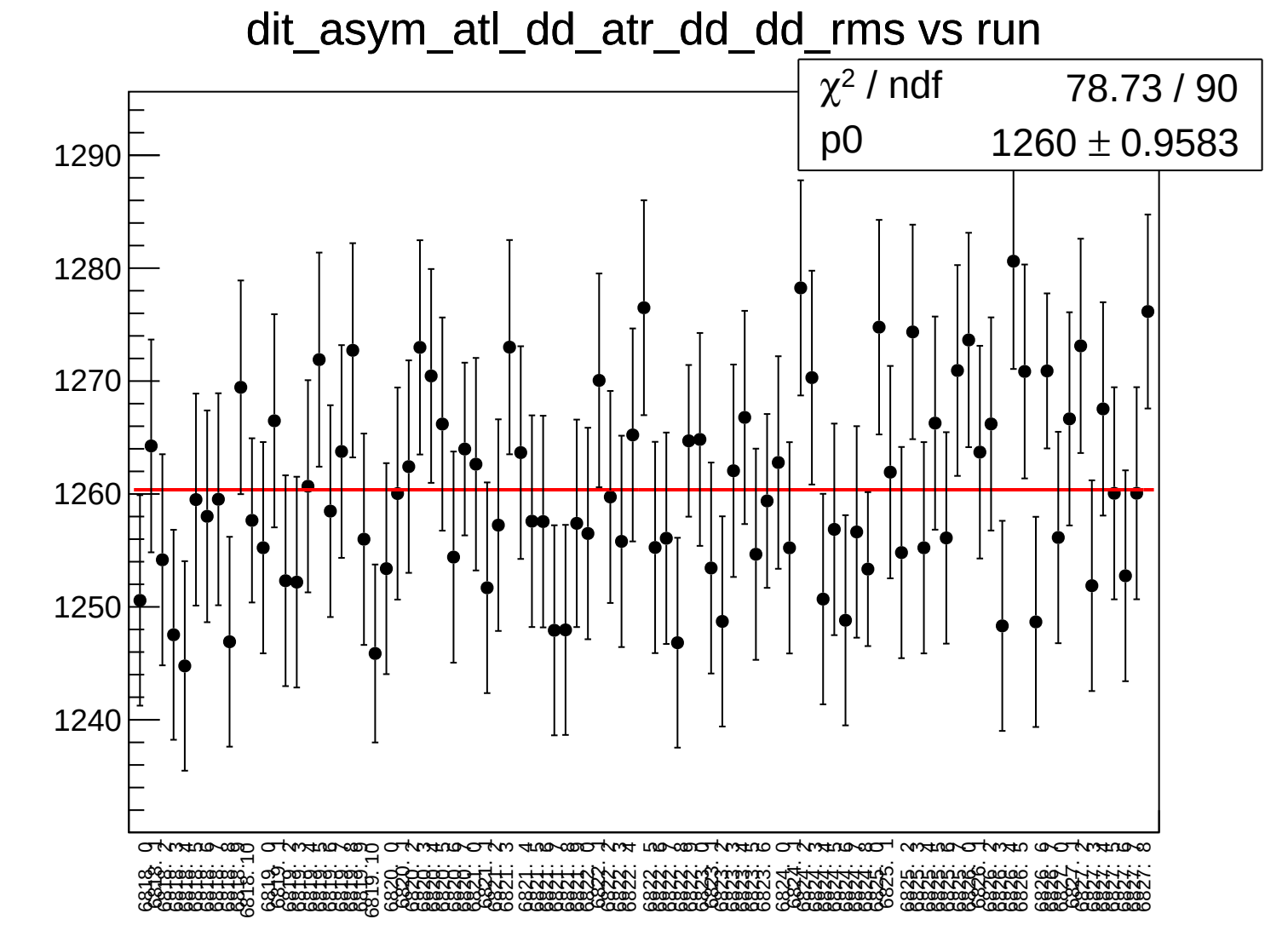

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 91.06 / 90
p0 3509 ± 4003
150
100
50
0
−50
−100
pull
Entries 91
Mean 294.5
Std Dev 210.9
2
1
0
−1
−2

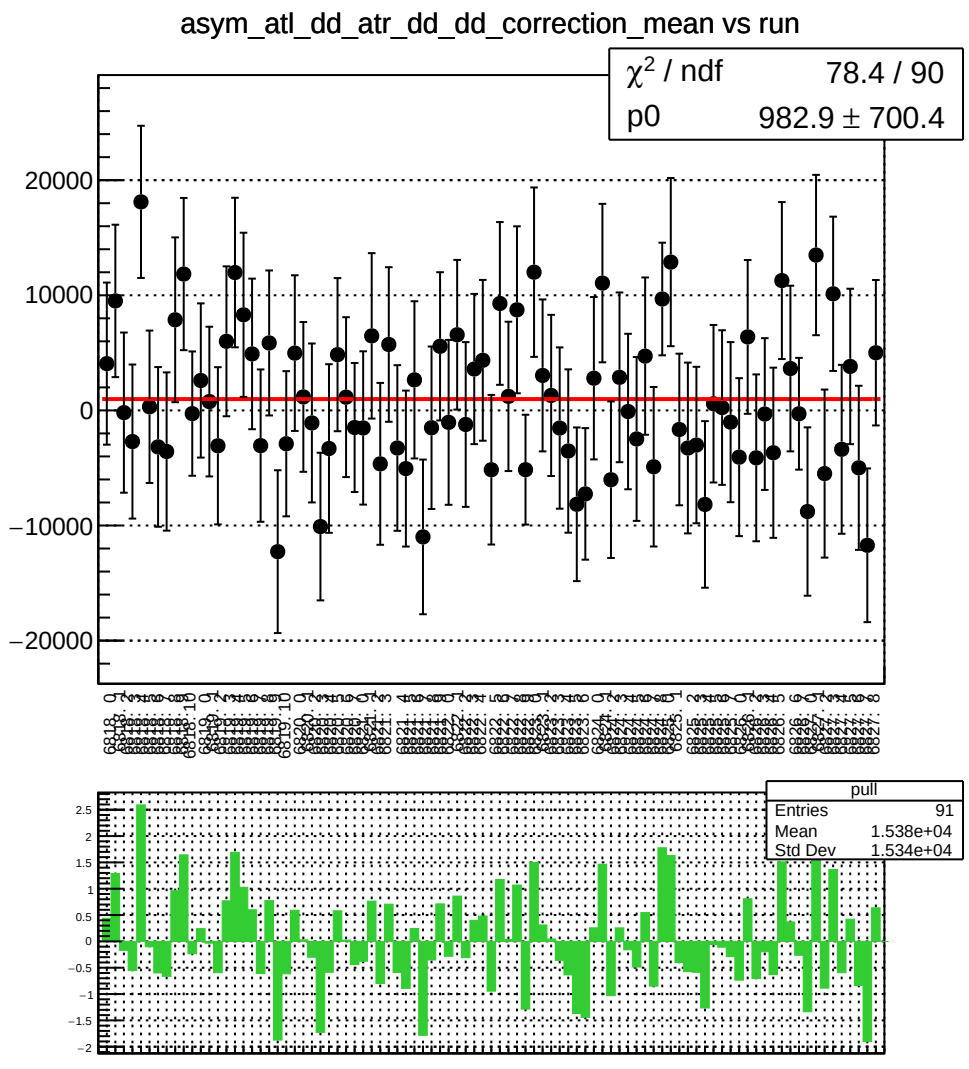

pull1D
Entries 91
Mean 0.004284
Std Dev 1
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

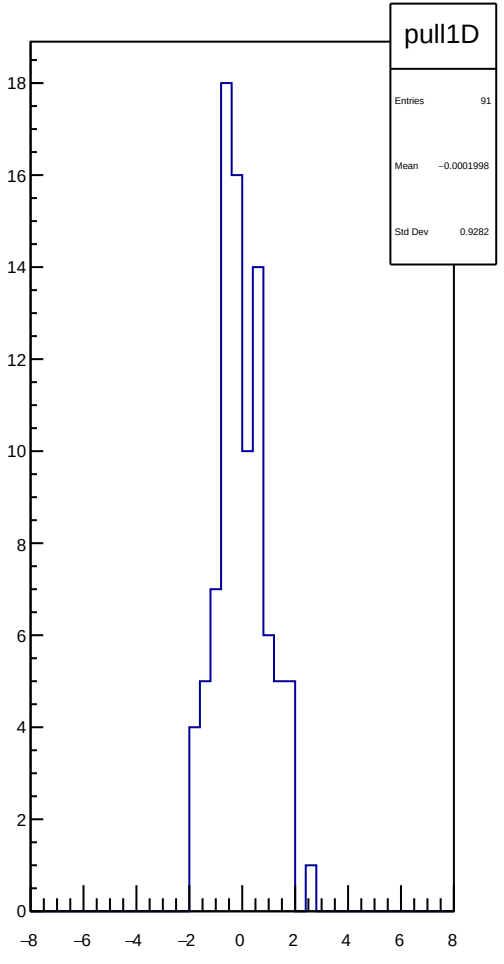

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3626 / 90
p0 3719 ± 2.831
4800
4600
4400
4200
4000
3800
3600
3400

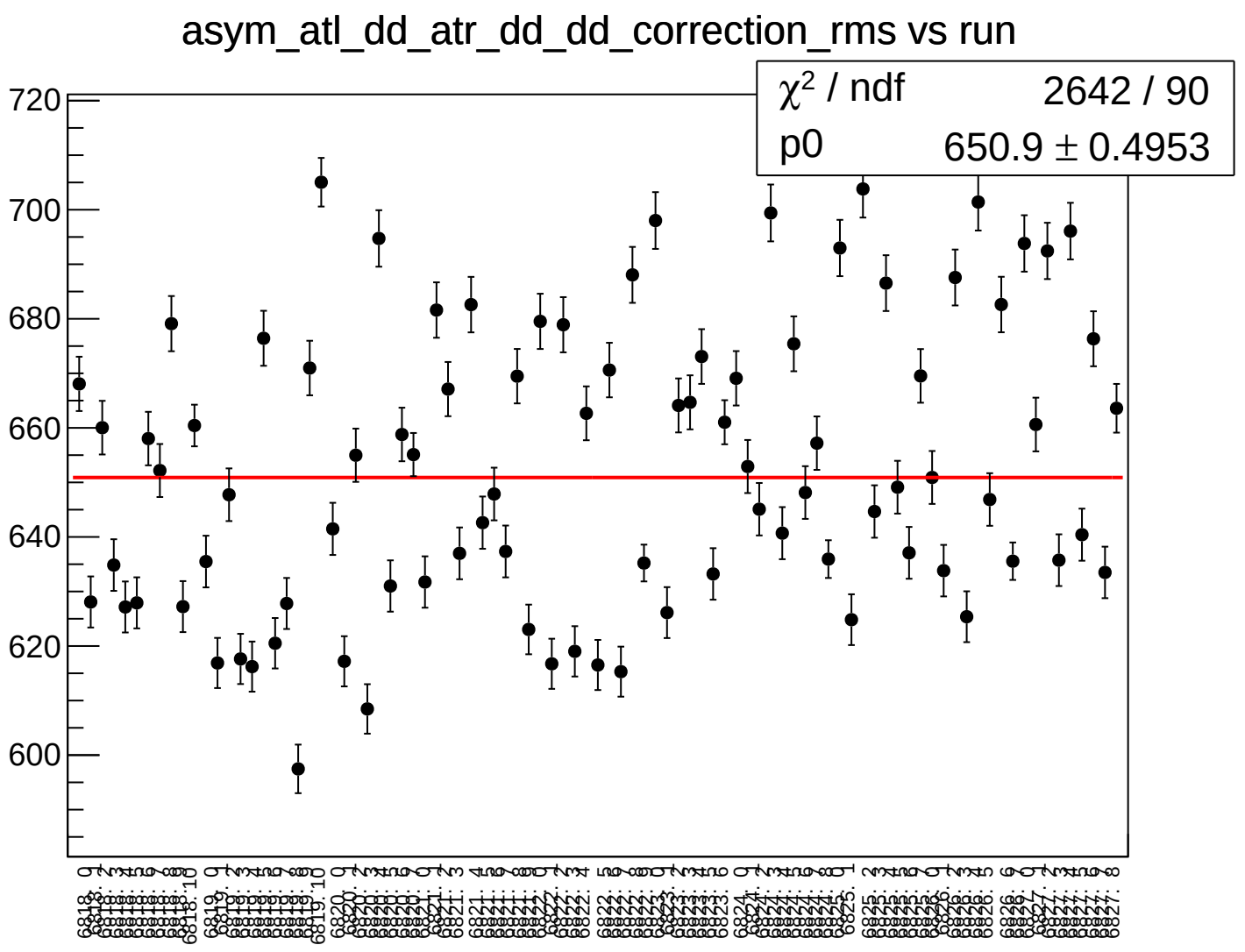

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 99.23 / 90
p0 −404.4 ± 1355
40000
20000
0
−20000
−40000
pull
Entries 91
Mean −75.22
Std Dev 141.7
3
2
1
0
−1
−2

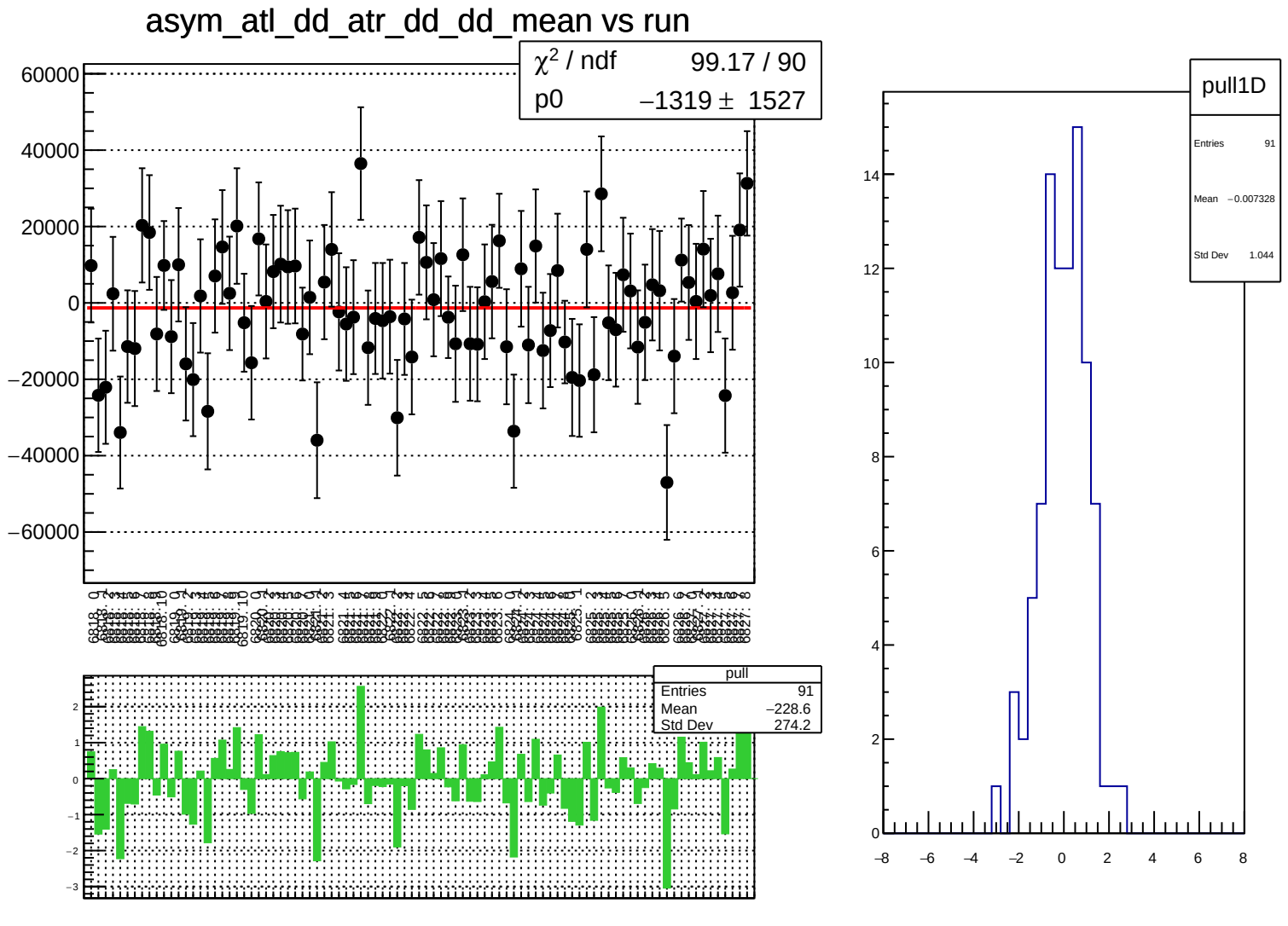

pull1D
Entries 91
Mean −0.005769
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

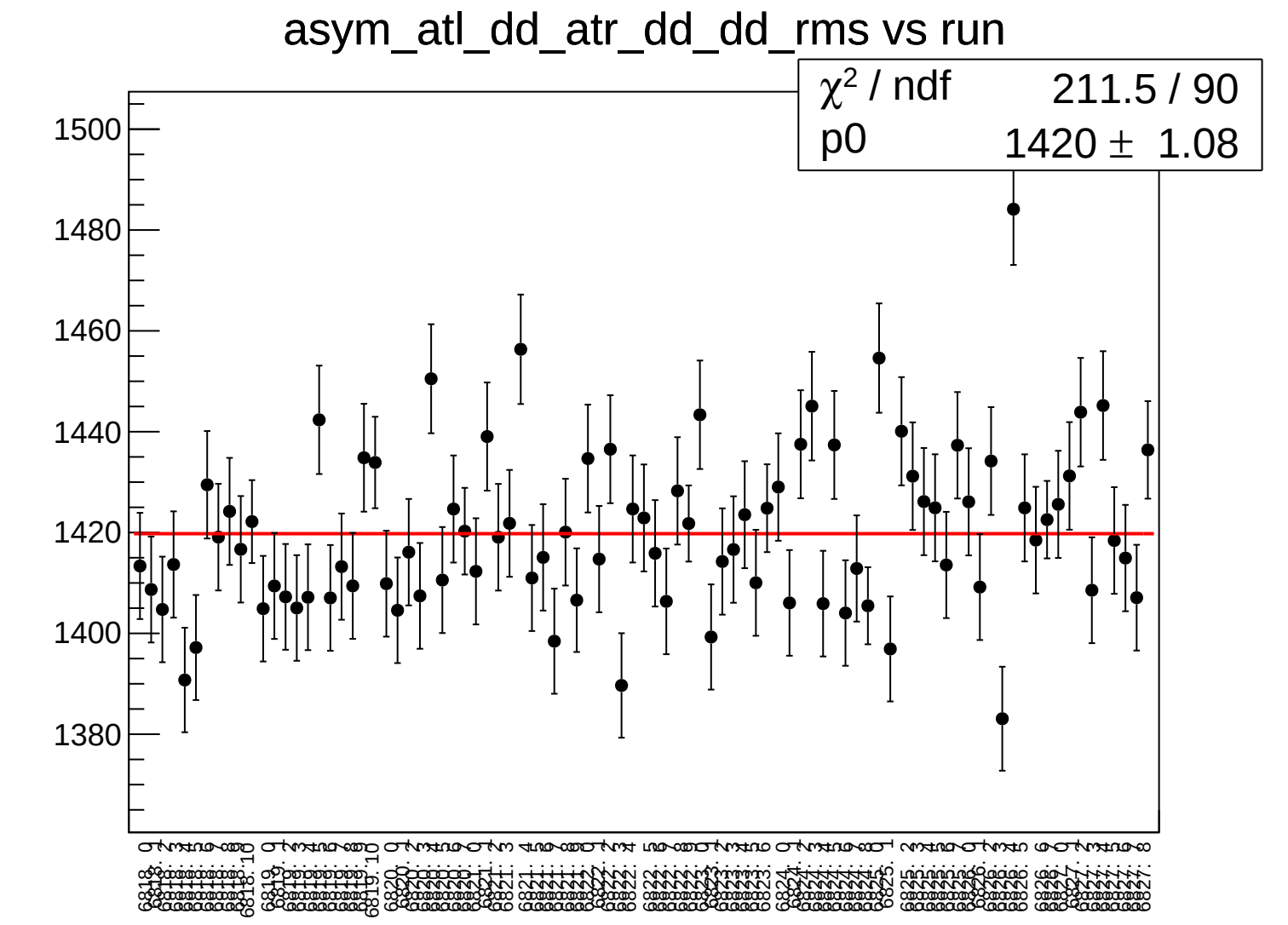

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 78.73 / 90
p0 1260 ± 0.9583
1290
1280
1270
1260
1250
1240

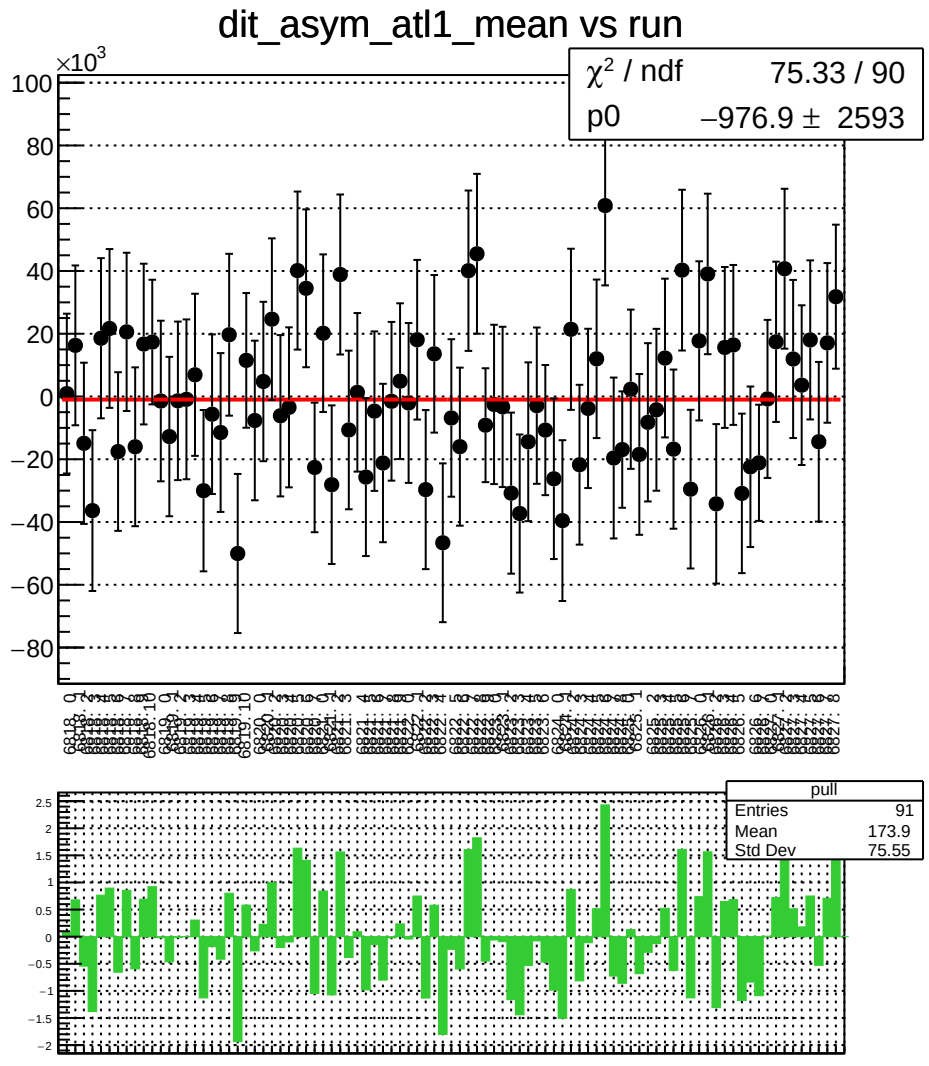

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 78.4 / 90
p0 982.9 ± 700.4
20000
10000
0
−10000
−20000
pull
Entries 91
Mean 1.538e+04
Std Dev 1.534e+04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

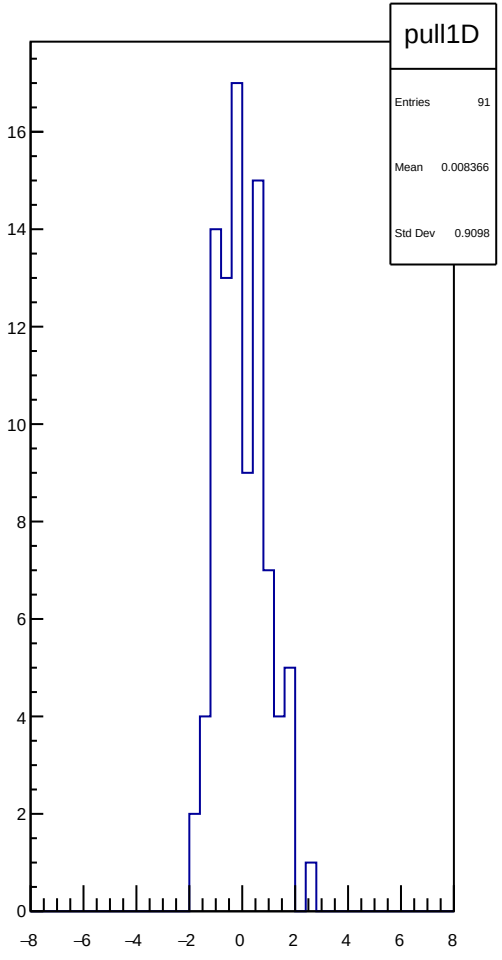

pull1D
Entries 91
Mean −0.0001998
Std Dev 0.9282
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

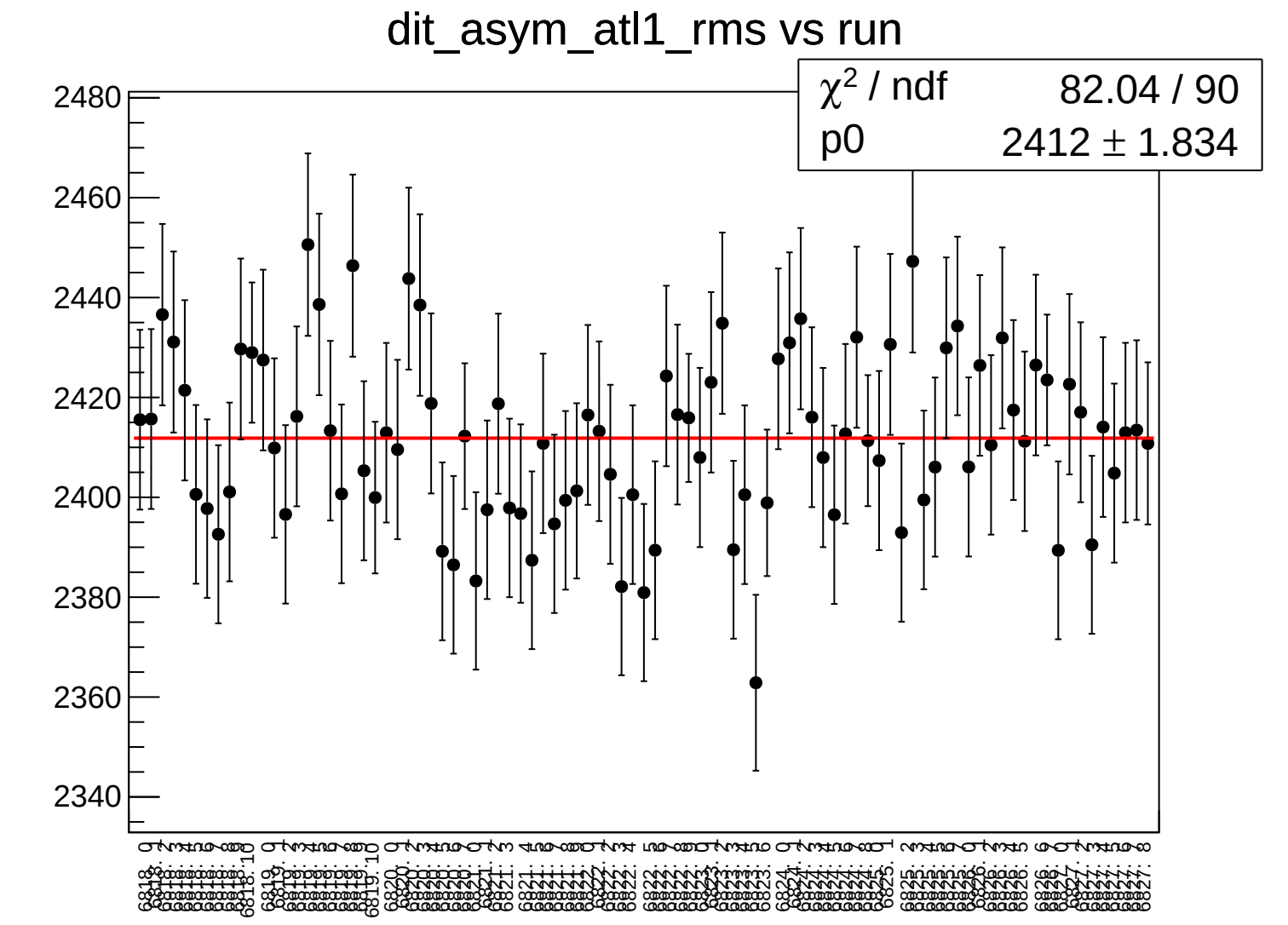

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2642 / 90
p0 650.9 ± 0.4953
720
700
680
660
640
620
600

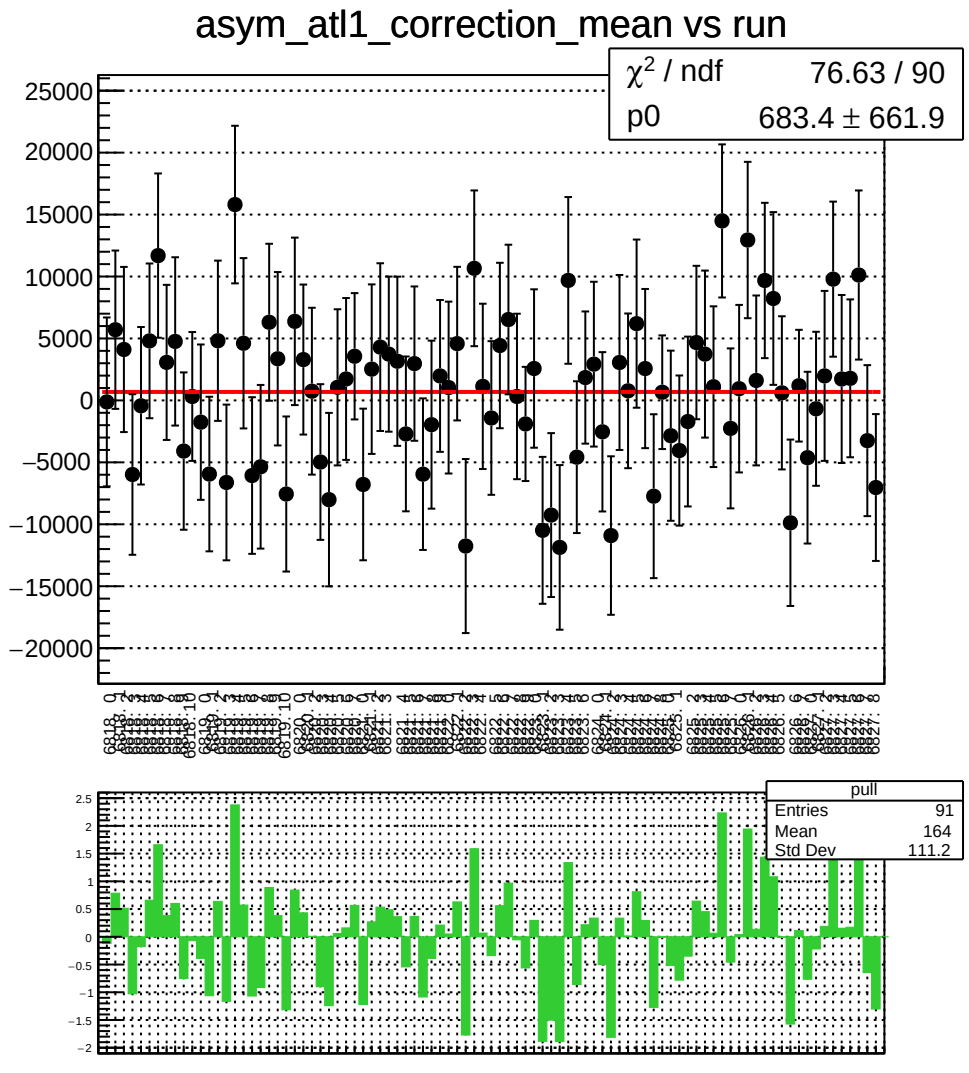

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 99.17 / 90
p0 −1319 ± 1527
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 91
Mean −228.6
Std Dev 274.2
pull1D
Entries 91
Mean −0.007328
Std Dev 1.044

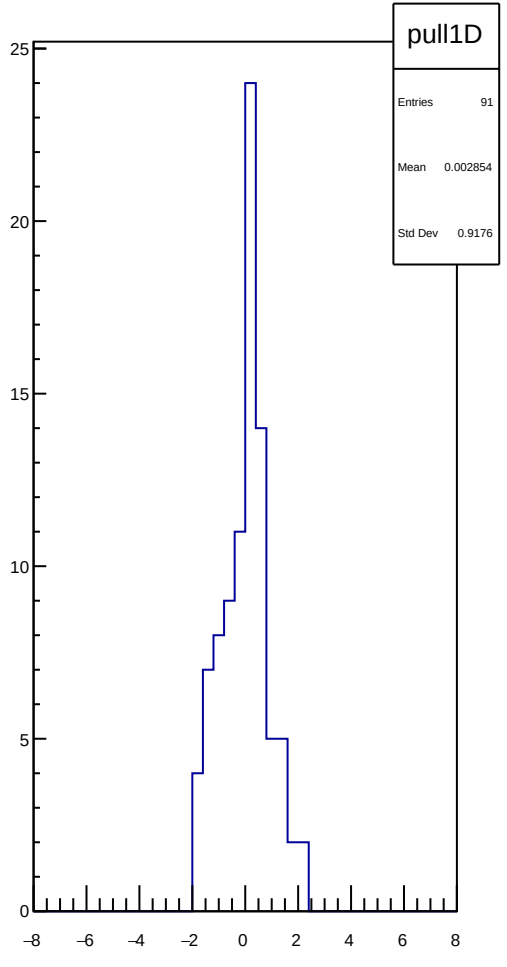

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 211.5 / 90
p0 1420 ± 1.08
1500
1480
1460
1440
1420
1400
1380

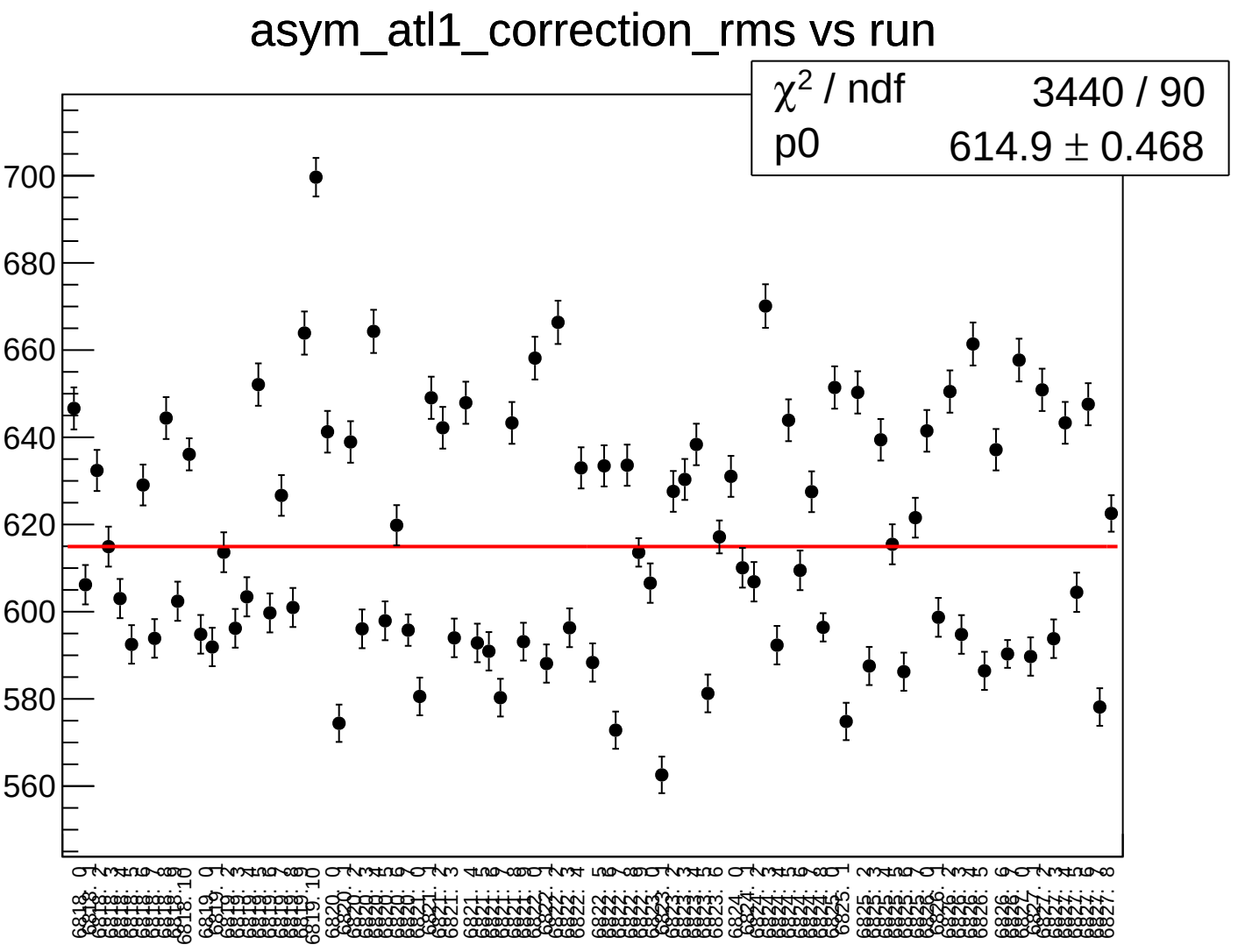

dit_asym_atl1_mean vs run
χ^2 / ndf 75.33 / 90
p0 −976.9 ± 2593
×10^3
pull
Entries 91
Mean 173.9
Std Dev 75.55

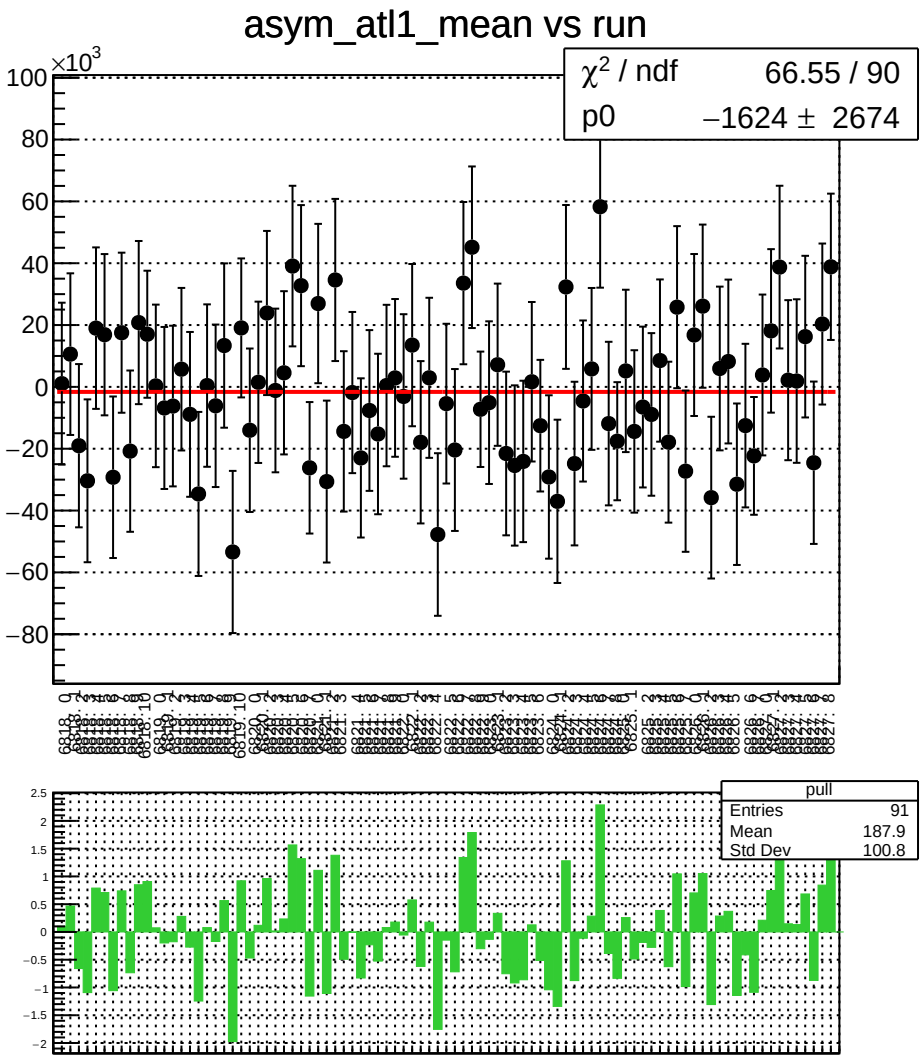

pull1D
Entries 91
Mean 0.008366
Std Dev 0.9098

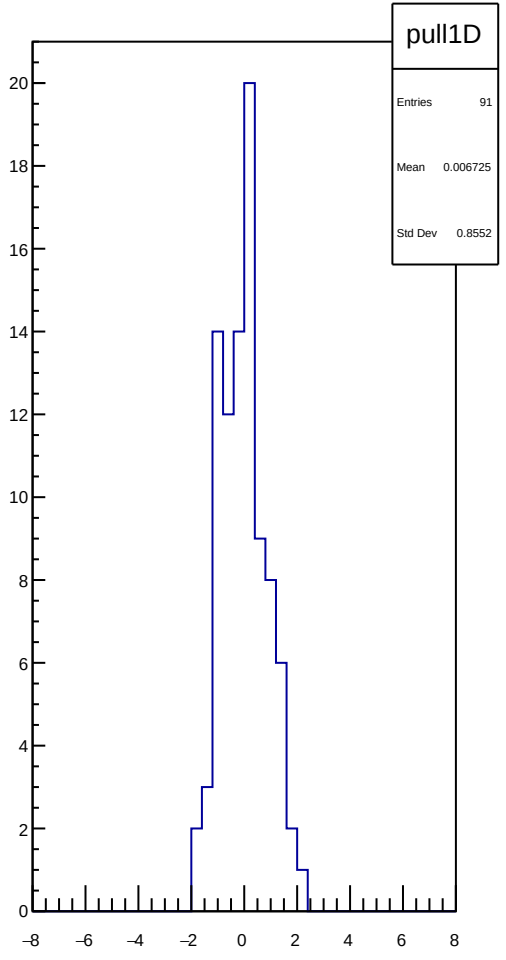

dit_asym_atl1_rms vs run
χ² / ndf 82.04 / 90
p0 2412 ± 1.834
2480
2460
2440
2420
2400
2380
2360
2340

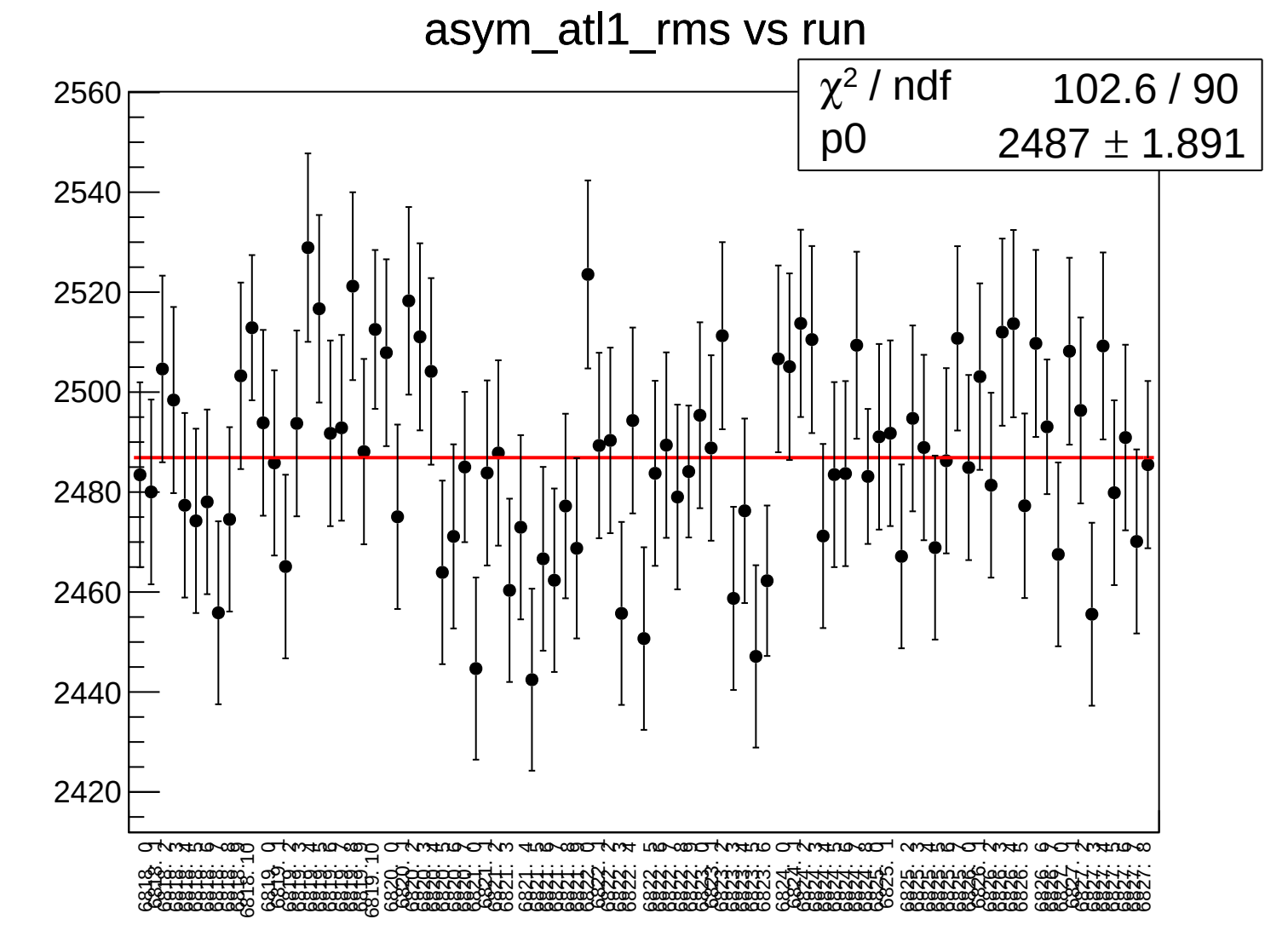

asym_atl1_correction_mean vs run
χ² / ndf 76.63 / 90
p0 683.4 ± 661.9
pull
Entries 91
Mean 164
Std Dev 111.2

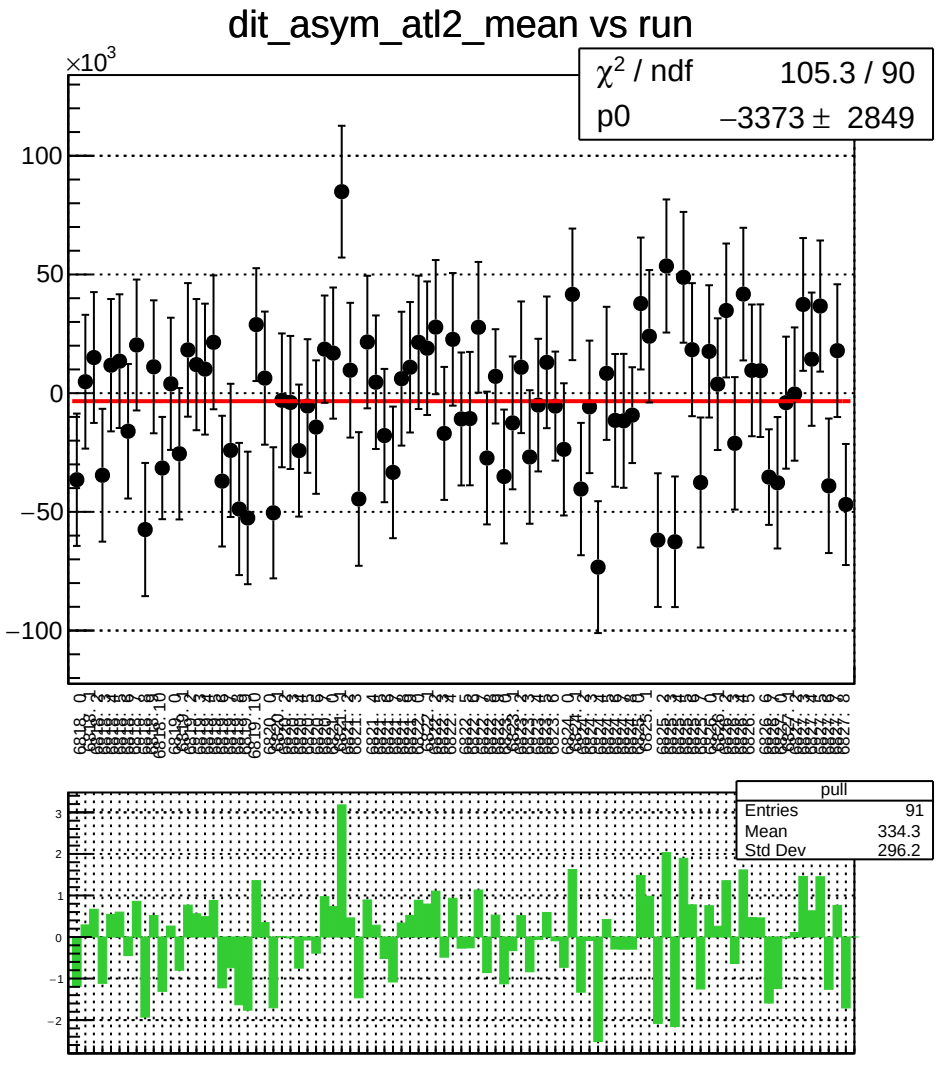

pull1D
Entries 91
Mean 0.002854
Std Dev 0.9176

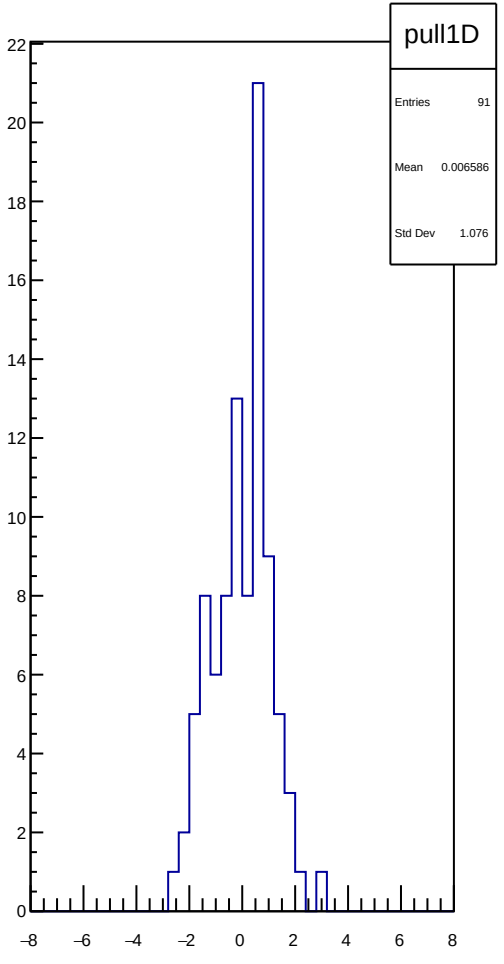

asym_atl1_correction_rms vs run
χ² / ndf 3440 / 90
p0 614.9 ± 0.468
700
680
660
640
620
600
580
560

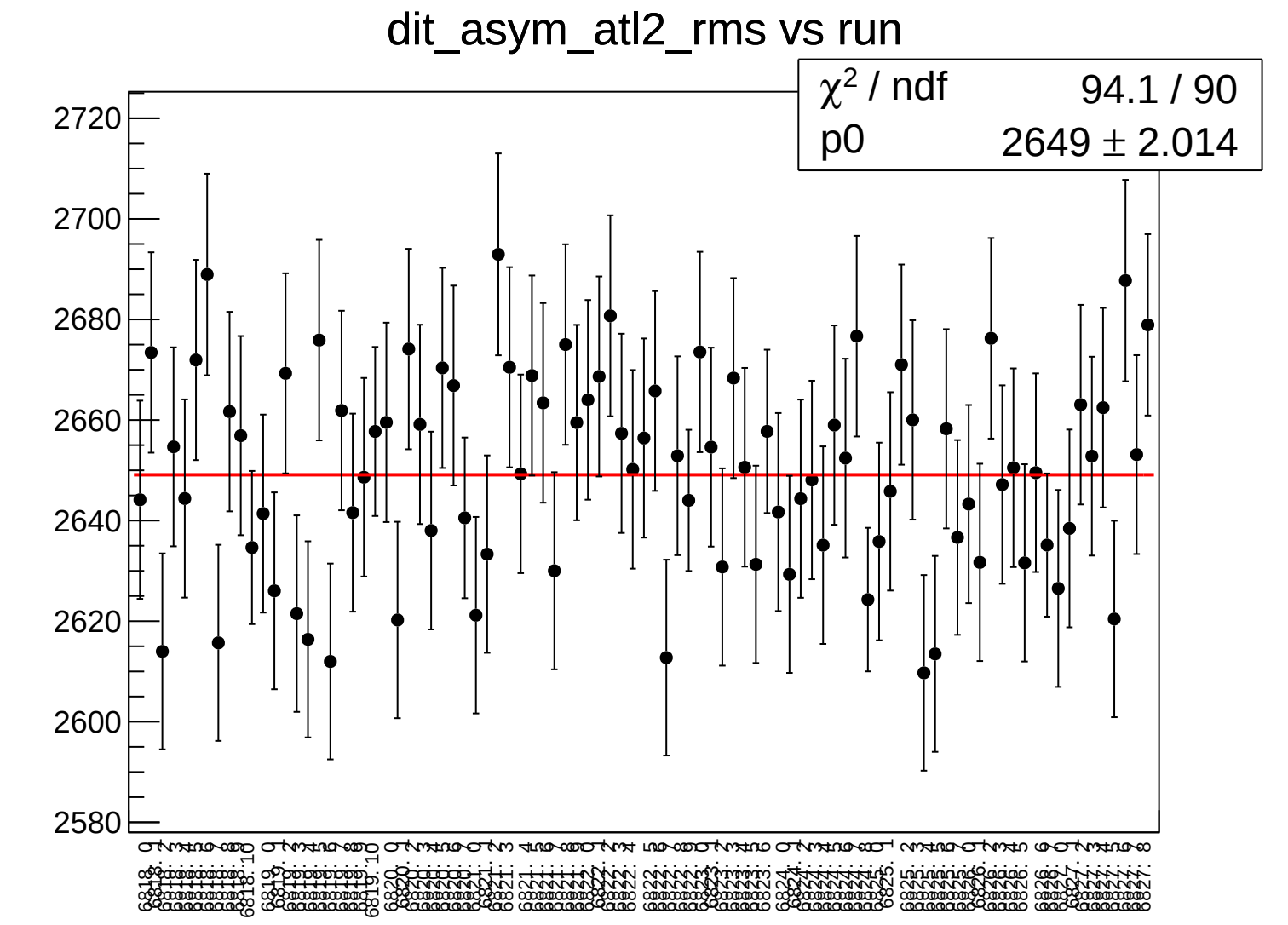

asym_atl1_mean vs run
χ² / ndf 66.55 / 90
p0 −1624 ± 2674
×10³
pull
Entries 91
Mean 187.9
Std Dev 100.8

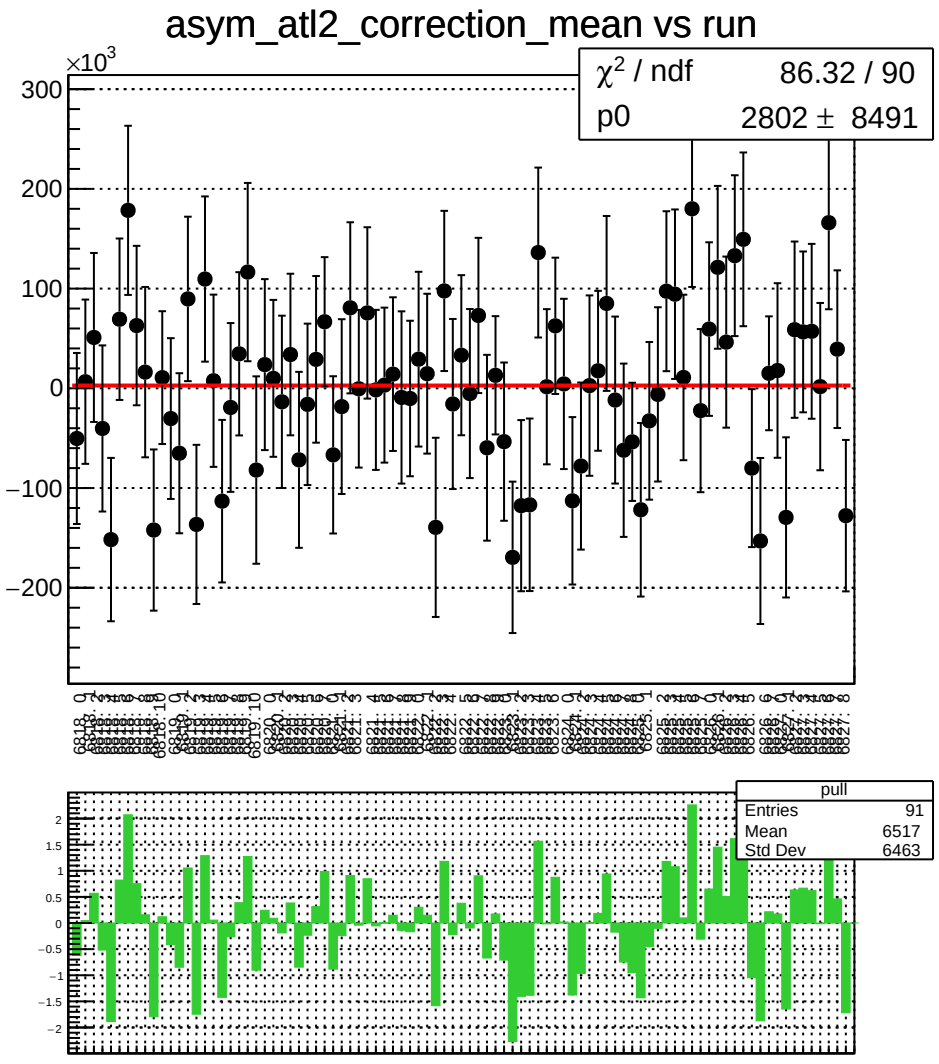

pull1D
Entries 91
Mean 0.006725
Std Dev 0.8552

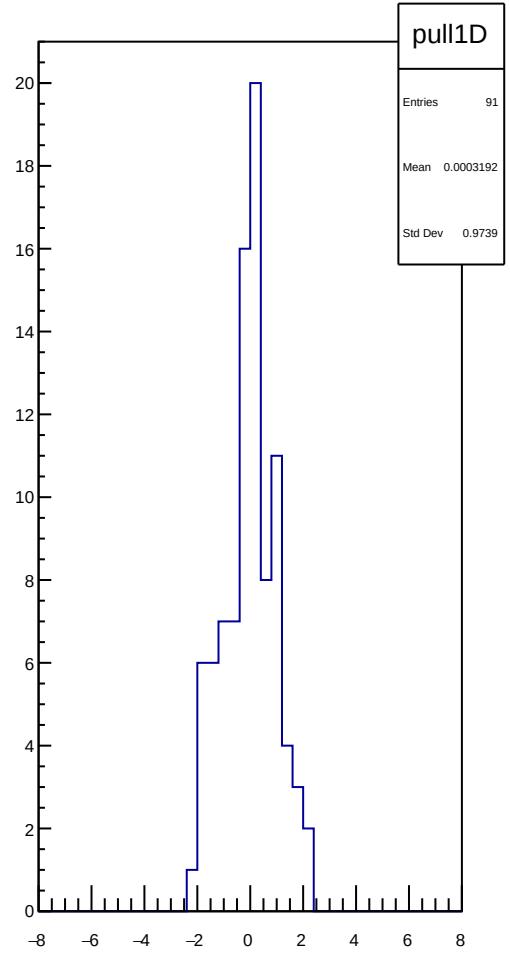

asym_atl1_rms vs run
χ² / ndf 102.6 / 90
p0 2487 ± 1.891
2560
2540
2520
2500
2480
2460
2440
2420

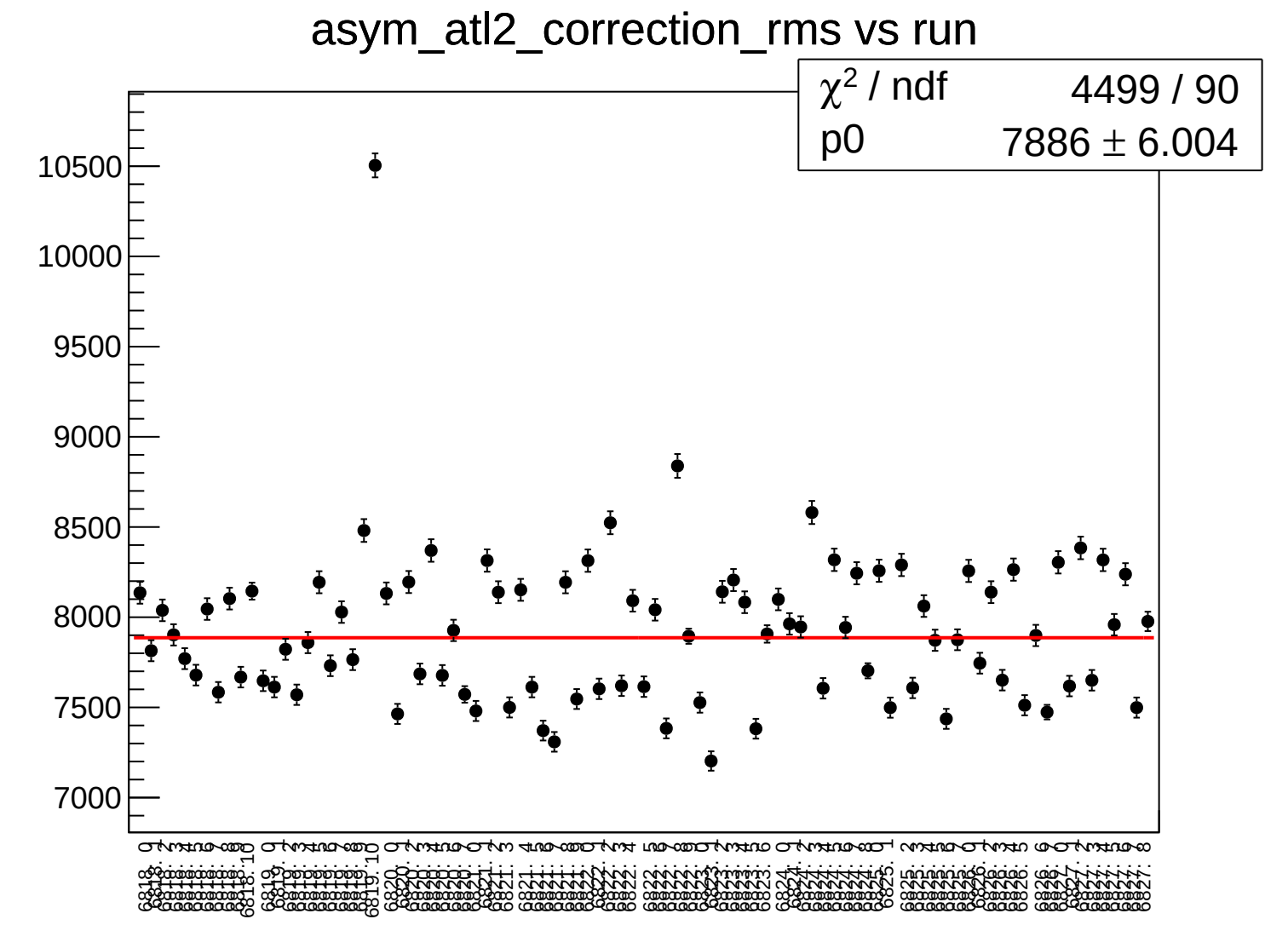

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 105.3 / 90
p0 −3373 ± 2849
100
50
0
−50
−100
pull
Entries 91
Mean 334.3
Std Dev 296.2
3
2
1
0
−1
−2

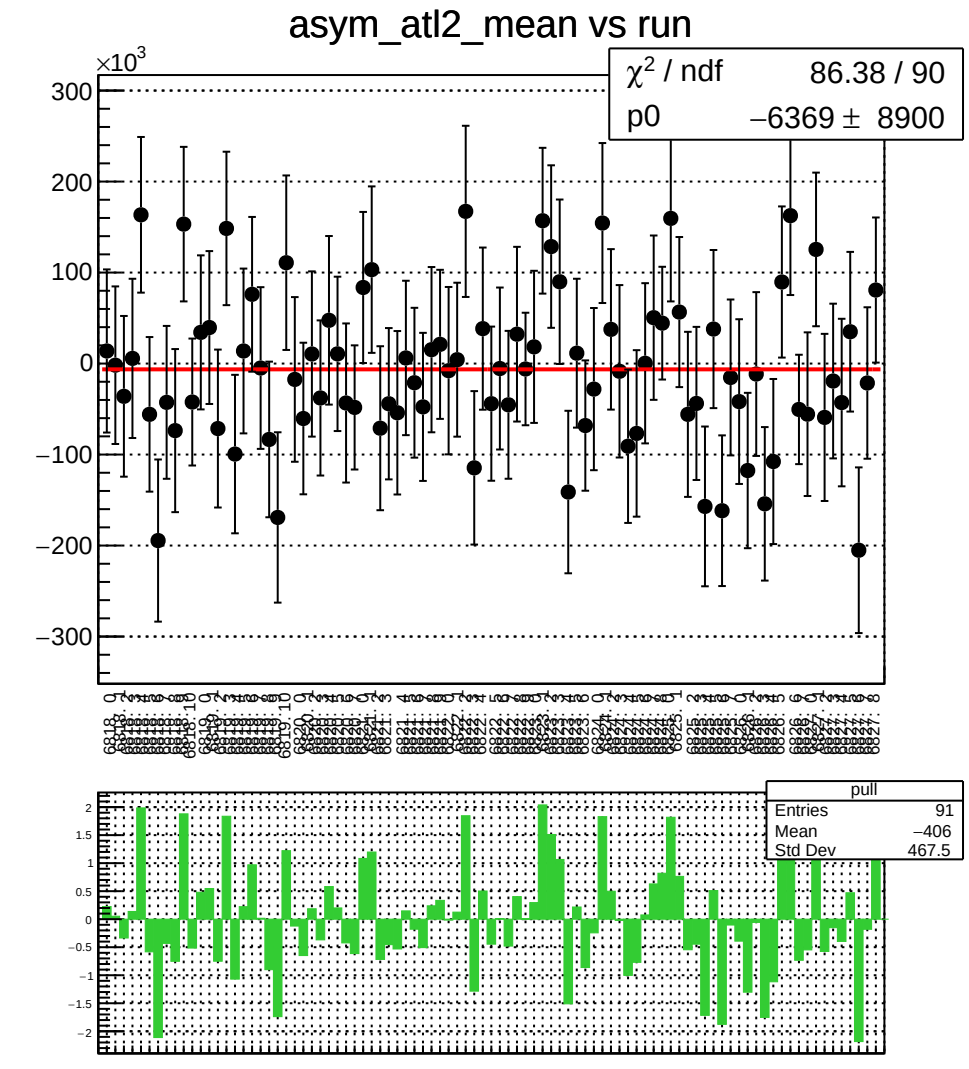

pull1D
Entries 91
Mean 0.006586
Std Dev 1.076
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

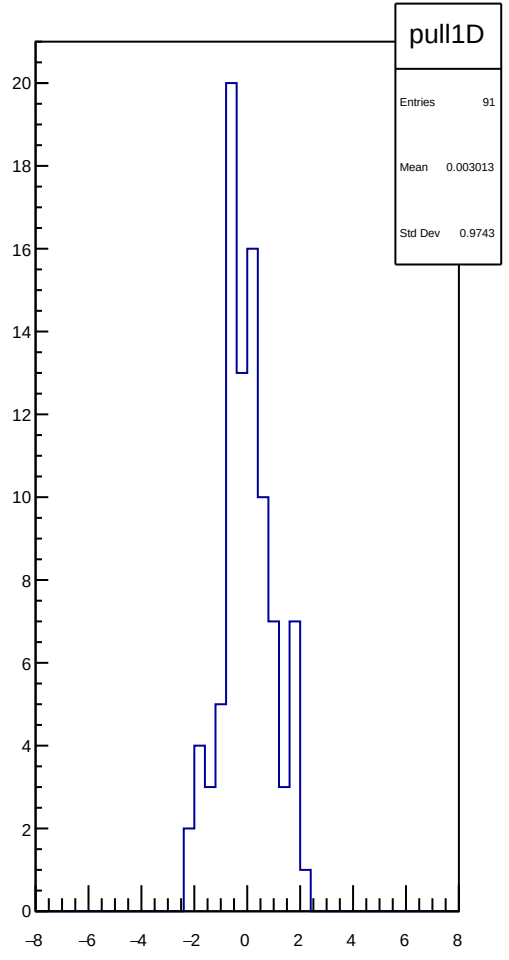

dit_asym_atl2_rms vs run
χ² / ndf 94.1 / 90
p0 2649 ± 2.014
2720
2700
2680
2660
2640
2620
2600
2580

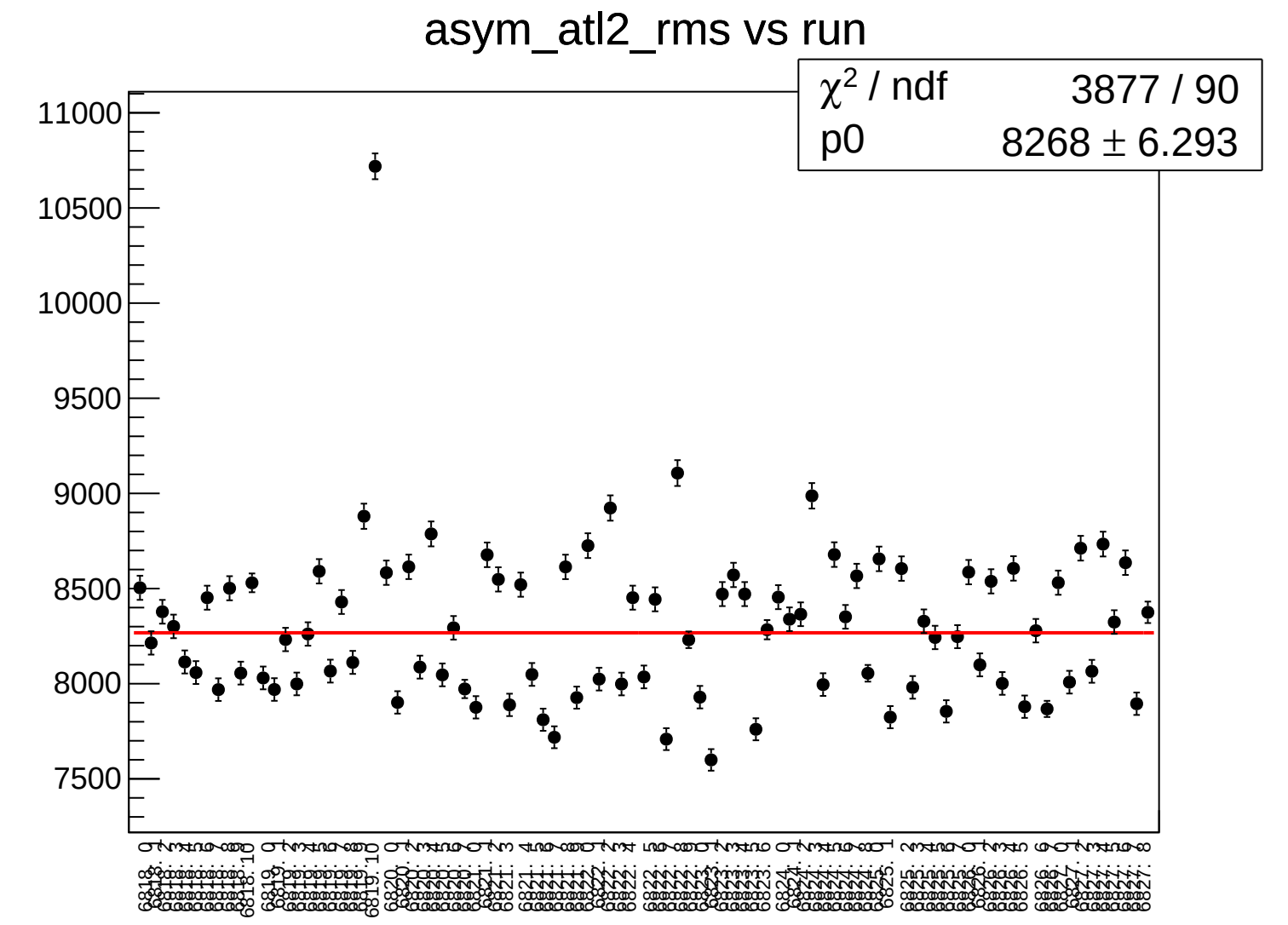

asym_atl2_correction_mean vs run
×10^3
χ^2 / ndf 86.32 / 90
p0 2802 ± 8491
pull
Entries 91
Mean 6517
Std Dev 6463

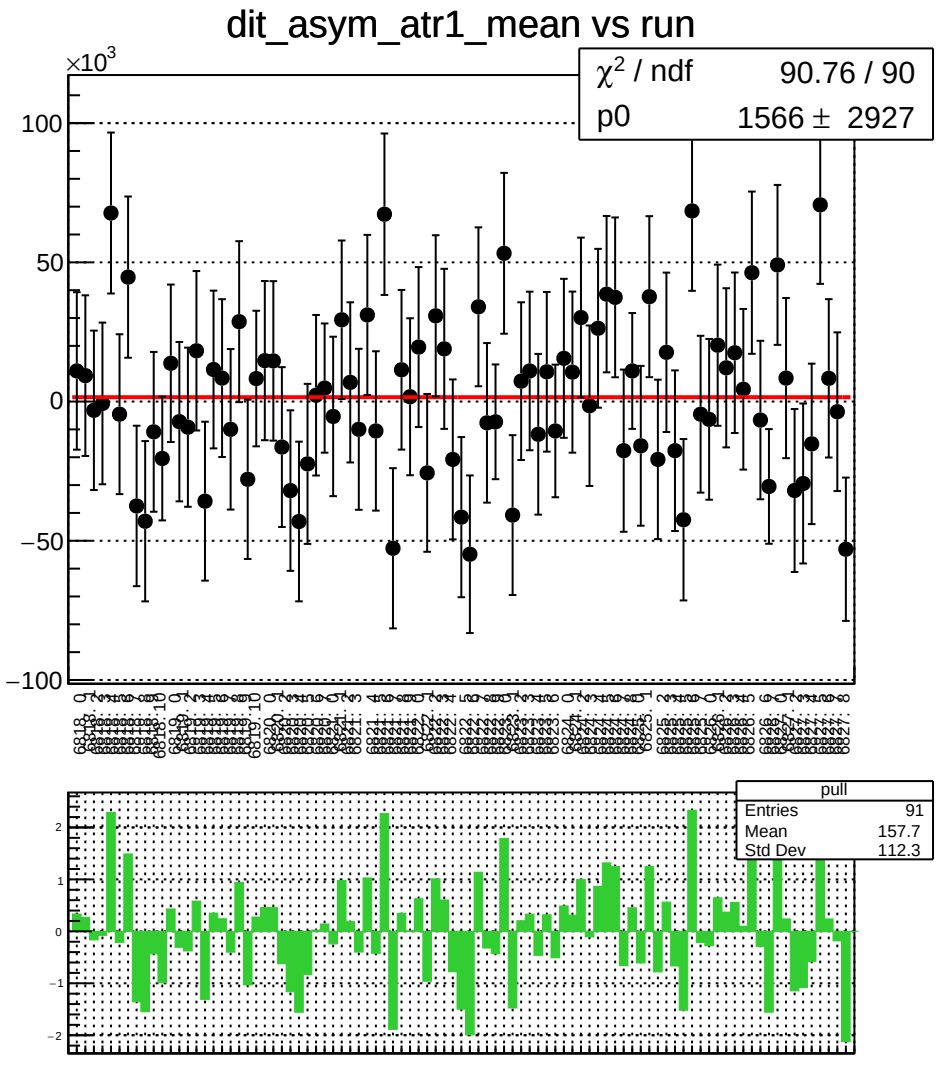

pull1D
Entries 91
Mean 0.0003192
Std Dev 0.9739

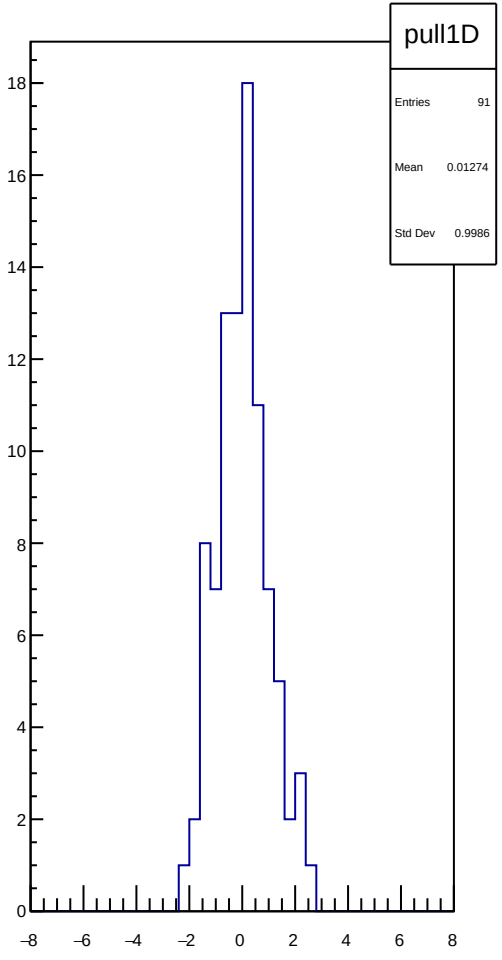

asym_atl2_correction_rms vs run
χ² / ndf 4499 / 90
p0 7886 ± 6.004
10500
10000
9500
9000
8500
8000
7500
7000

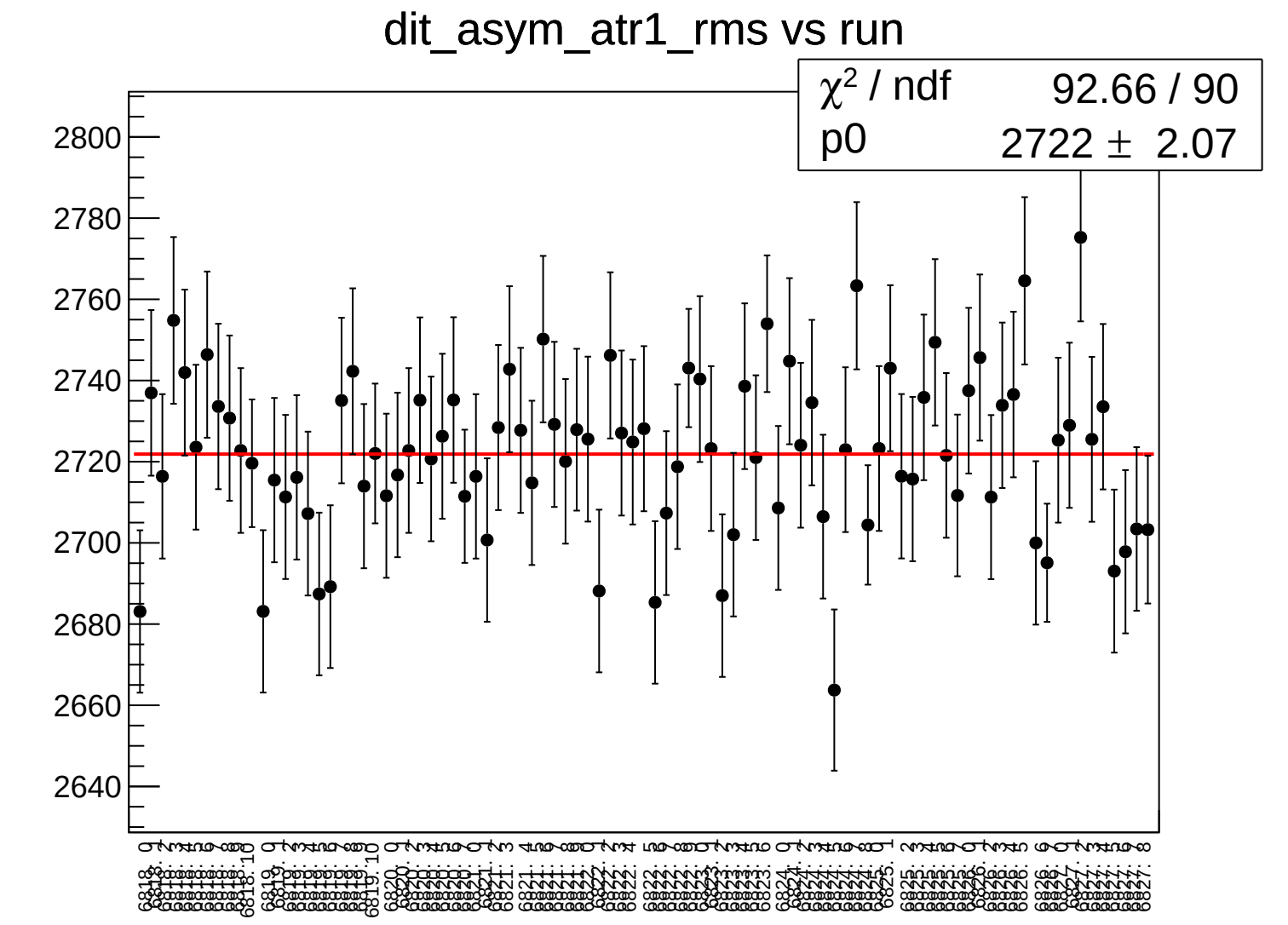

asym_atl2_mean vs run
×10^3
χ^2 / ndf 86.38 / 90
p0 −6369 ± 8900
pull
Entries 91
Mean −406
Std Dev 467.5

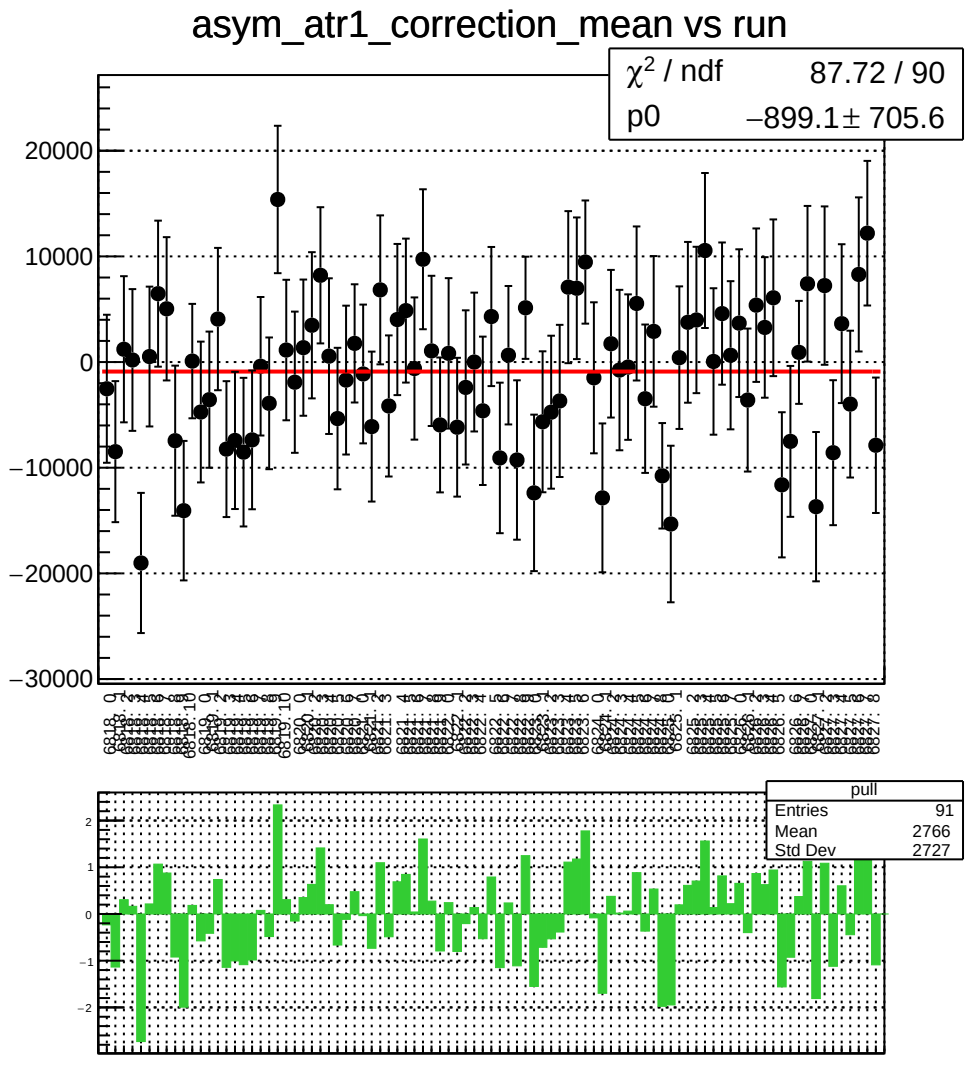

pull1D
Entries 91
Mean 0.003013
Std Dev 0.9743

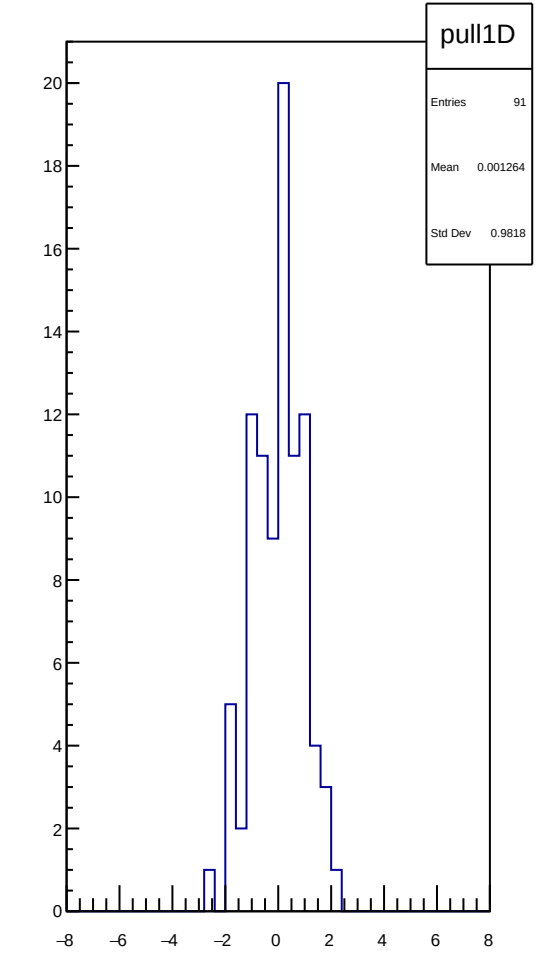

asym_atl2_rms vs run
χ² / ndf 3877 / 90
p0 8268 ± 6.293
11000
10500
10000
9500
9000
8500
8000
7500

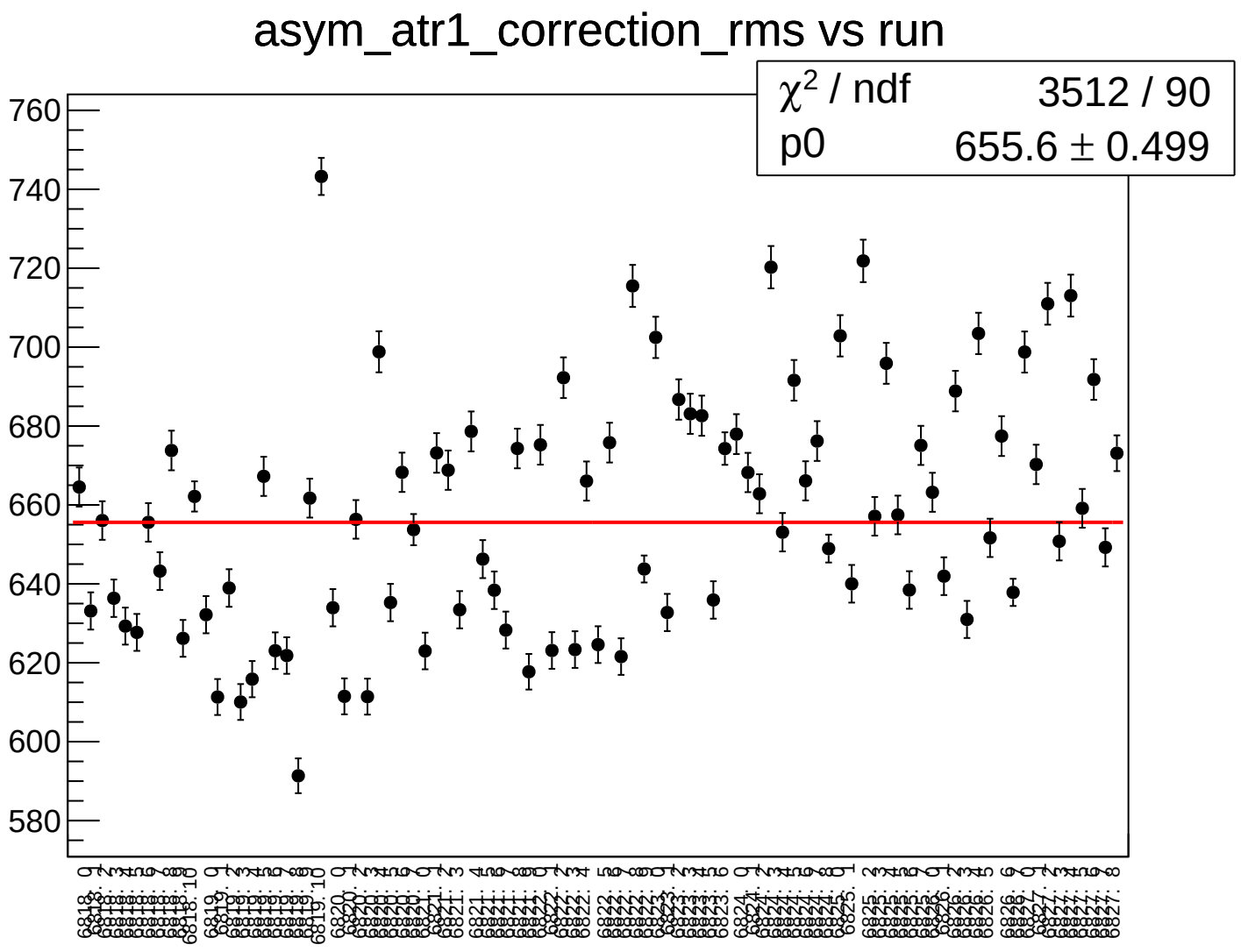

dit_asym_atr1_mean vs run
χ^2 / ndf 90.76 / 90
p0 1566 ± 2927
×10^3
pull
Entries 91
Mean 157.7
Std Dev 112.3

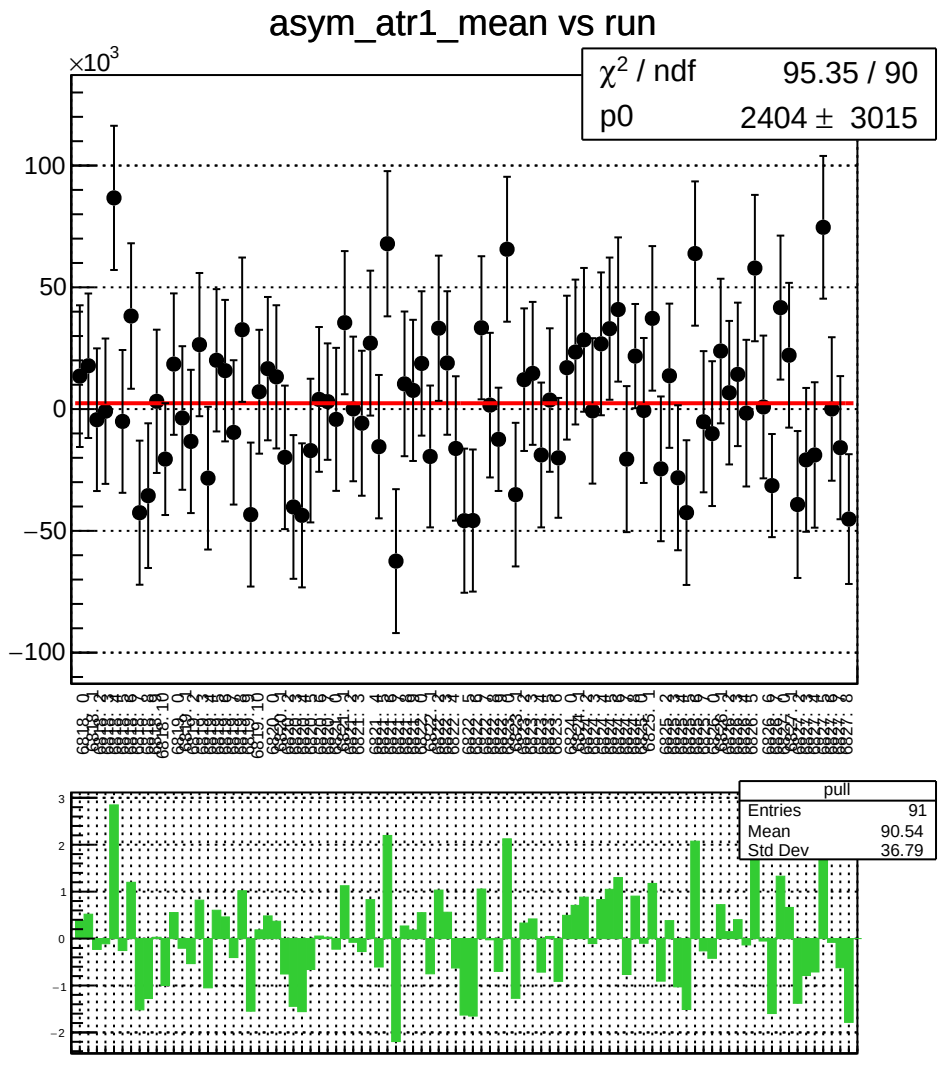

pull1D
Entries 91
Mean 0.01274
Std Dev 0.9986

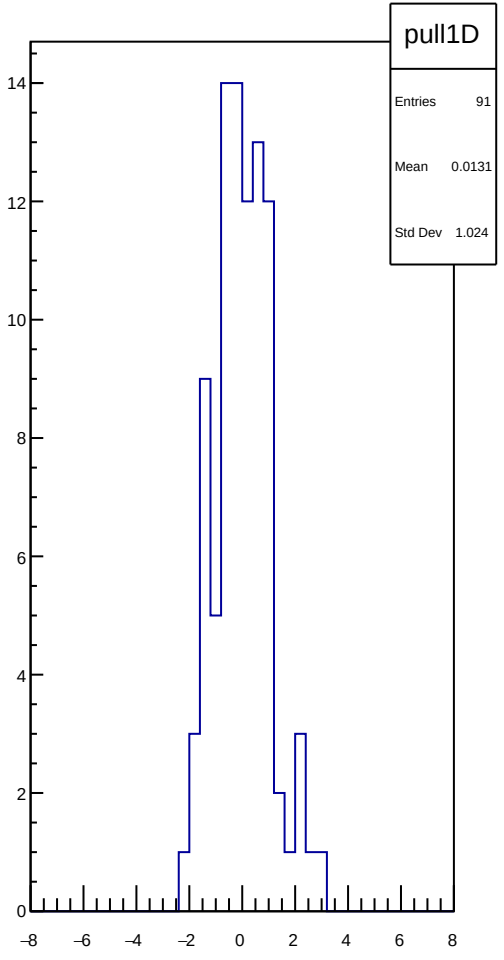

dit_asym_atr1_rms vs run
χ² / ndf 92.66 / 90
p0 2722 ± 2.07
2800
2780
2760
2740
2720
2700
2680
2660
2640

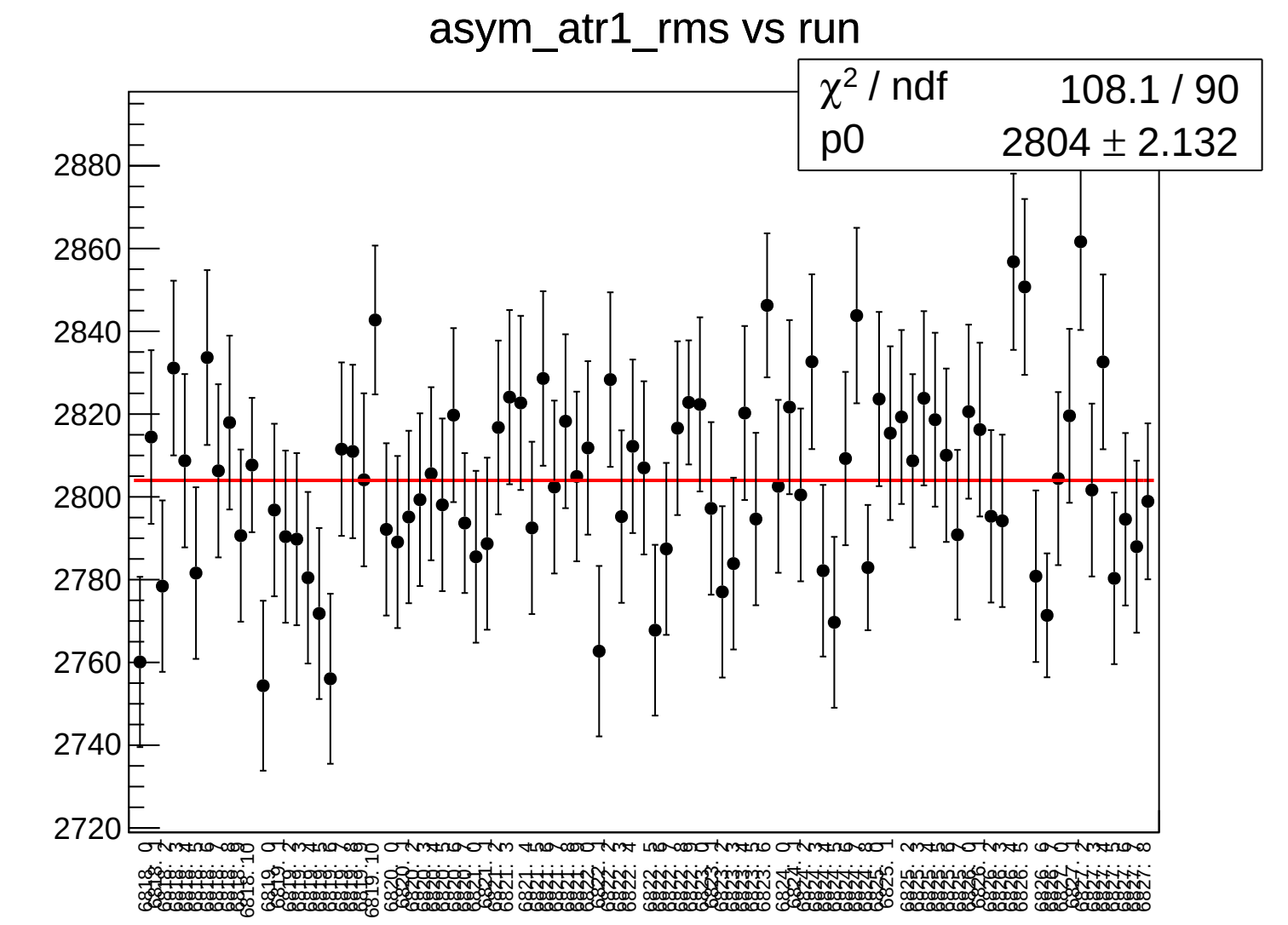

asym_atr1_correction_mean vs run
χ² / ndf 87.72 / 90
p0 −899.1± 705.6
pull
Entries 91
Mean 2766
Std Dev 2727

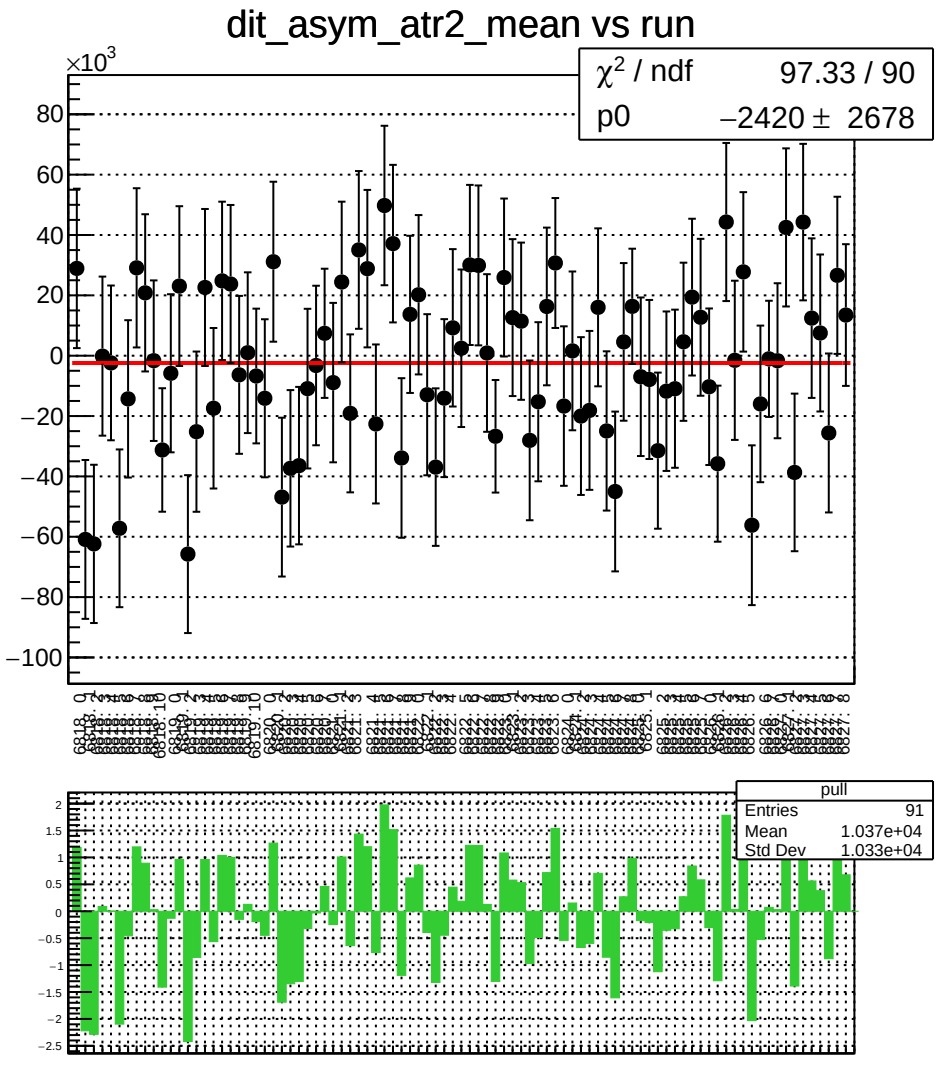

pull1D
Entries 91
Mean 0.001264
Std Dev 0.9818

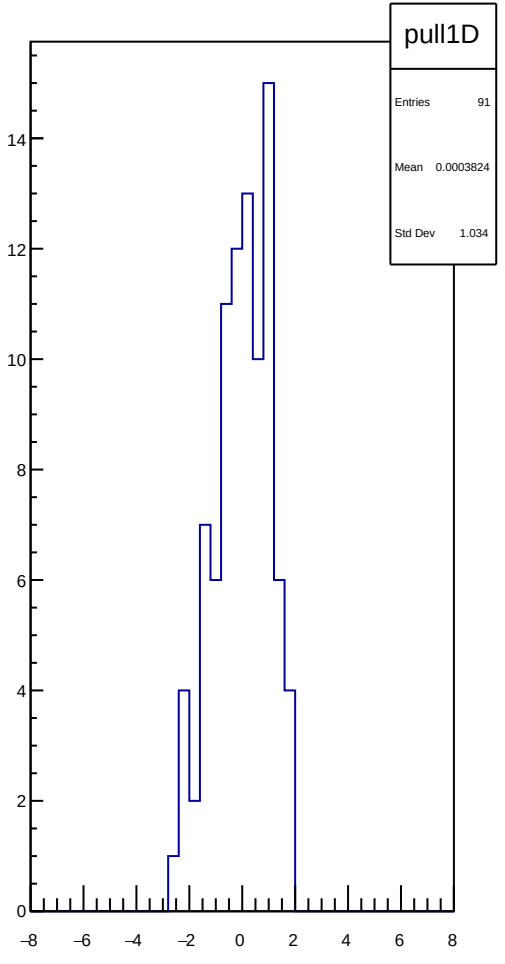

asym_atr1_correction_rms vs run
χ² / ndf 3512 / 90
p0 655.6 ± 0.499
760
740
720
700
680
660
640
620
600
580

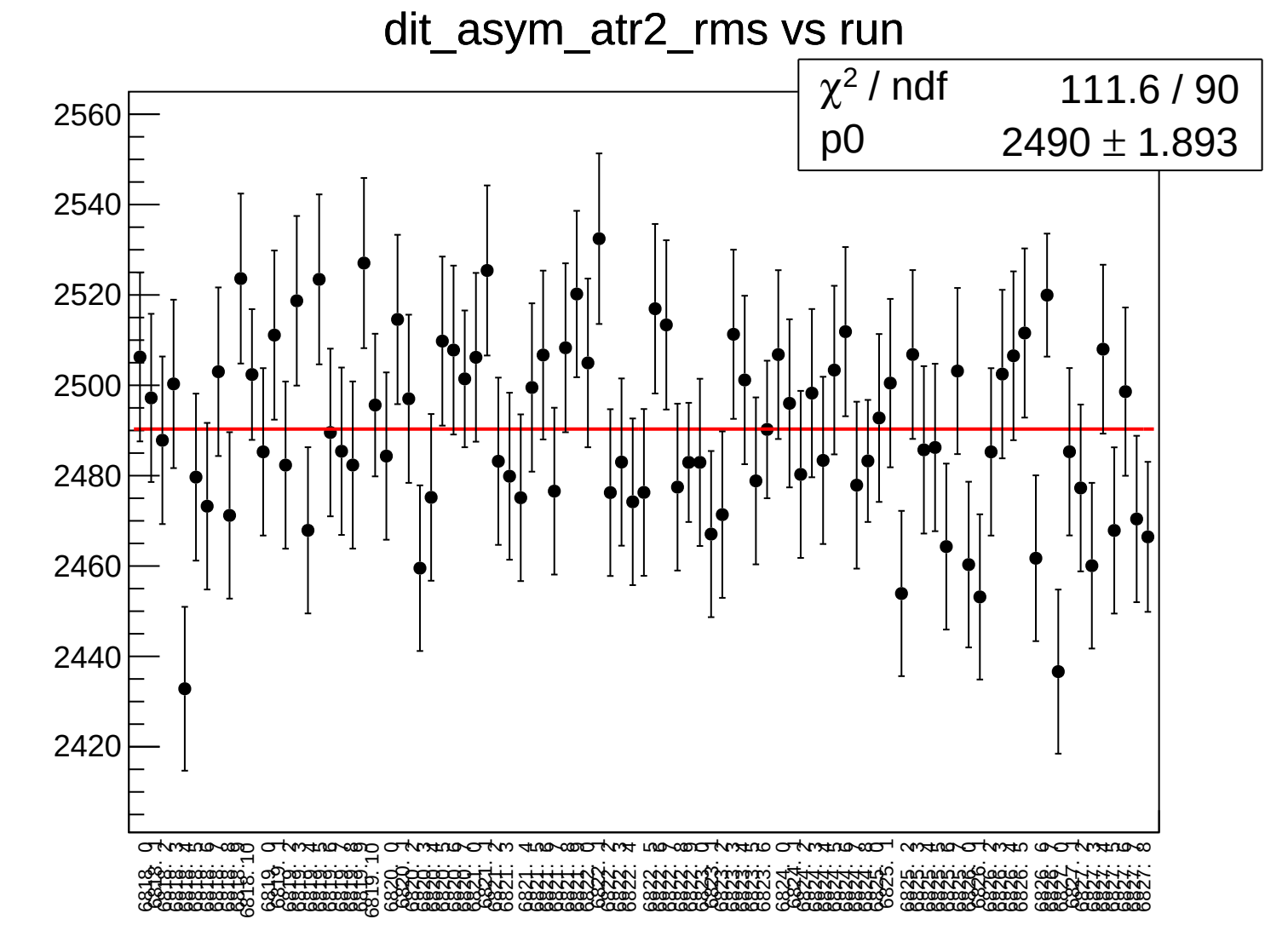

asym_atr1_mean vs run
×10^3
χ² / ndf 95.35 / 90
p0 2404 ± 3015
100
50
0
−50
−100
pull
Entries 91
Mean 90.54
Std Dev 36.79
3
2
1
0
−1
−2

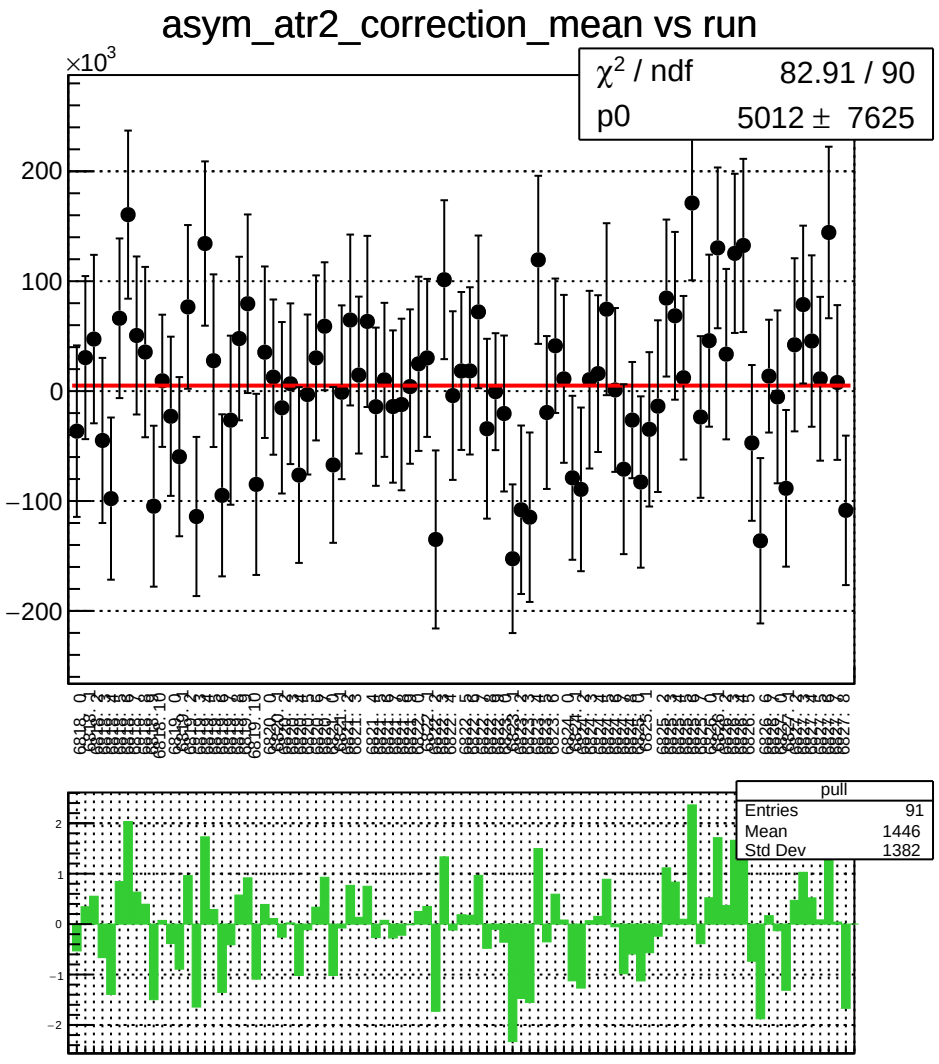

pull1D
Entries 91
Mean 0.0131
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

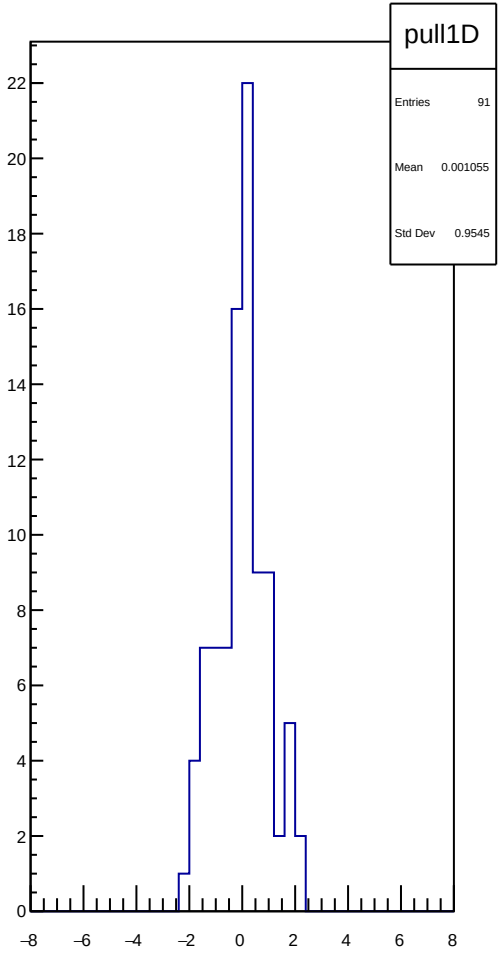

asym_atr1_rms vs run
χ^2 / ndf 108.1 / 90
p0 2804 ± 2.132
2880
2860
2840
2820
2800
2780
2760
2740
2720

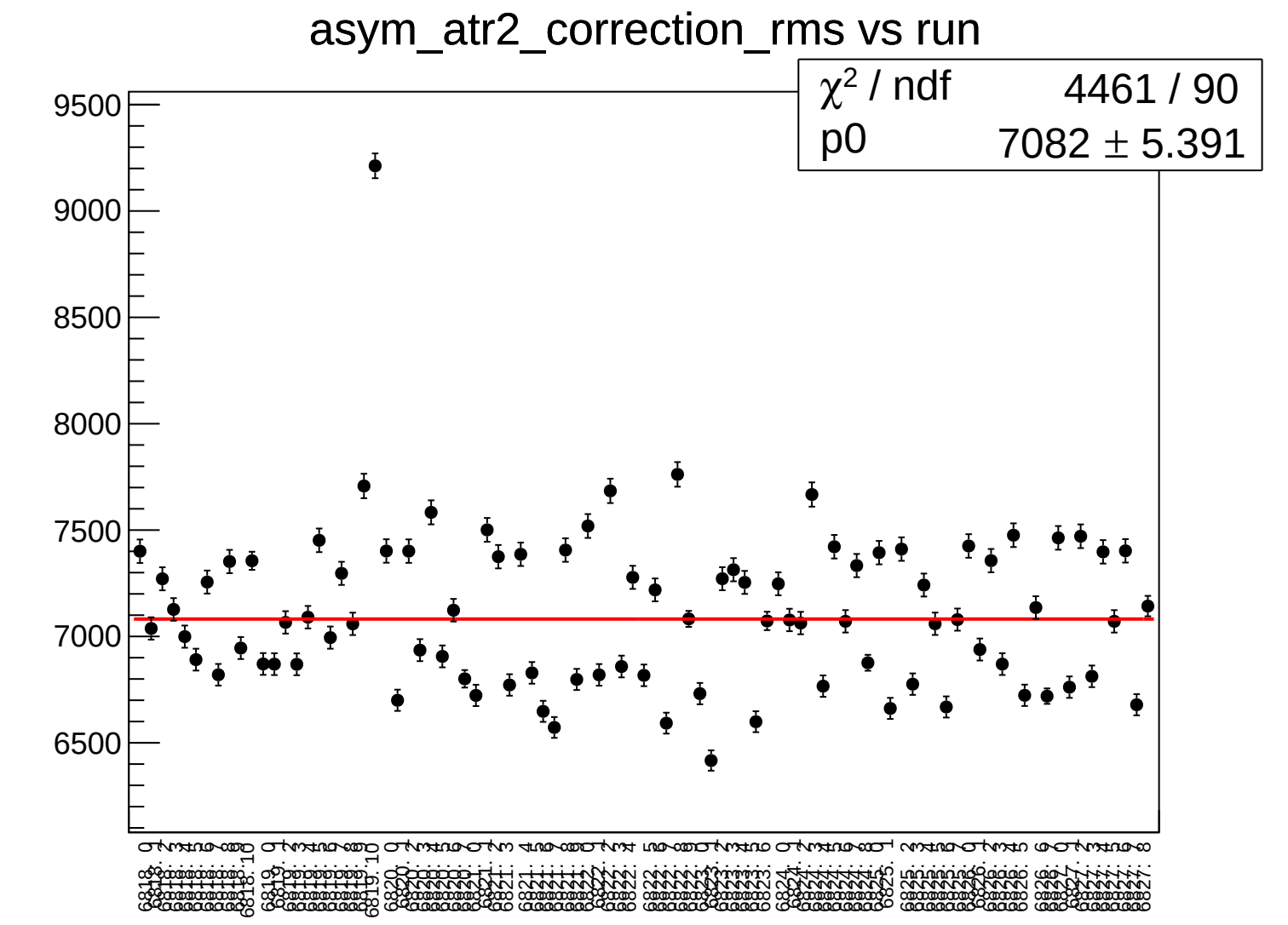

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 97.33 / 90
p0 −2420 ± 2678
pull
Entries 91
Mean 1.037e+04
Std Dev 1.033e+04

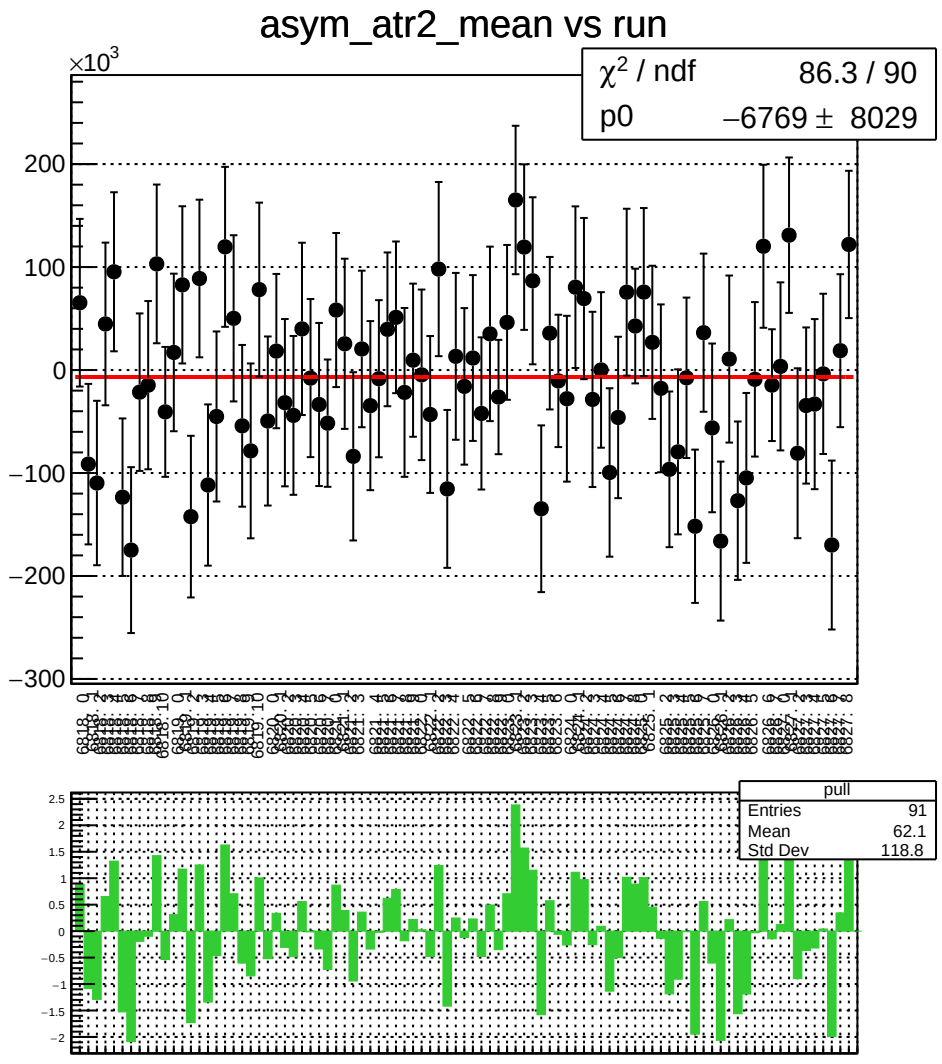

pull1D
Entries 91
Mean 0.0003824
Std Dev 1.034

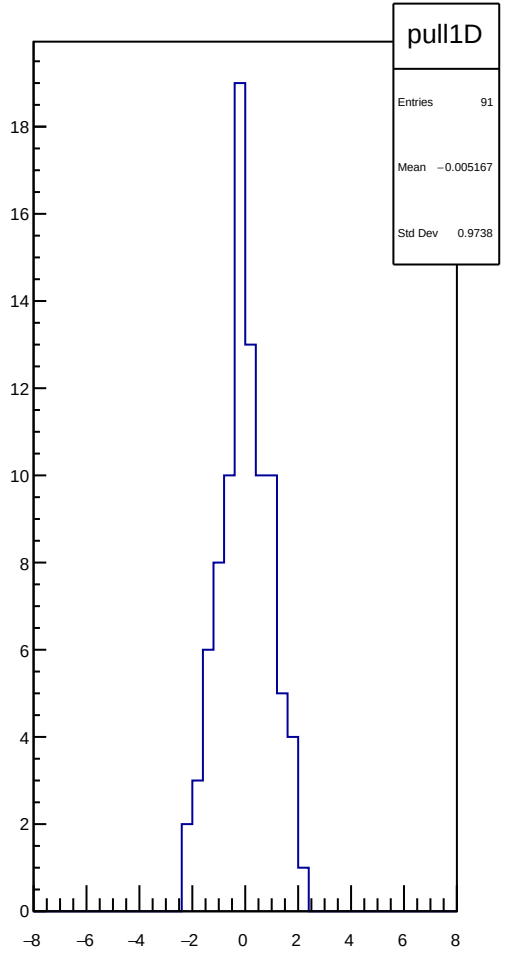

dit_asym_atr2_rms vs run
χ² / ndf 111.6 / 90
p0 2490 ± 1.893
2560
2540
2520
2500
2480
2460
2440
2420

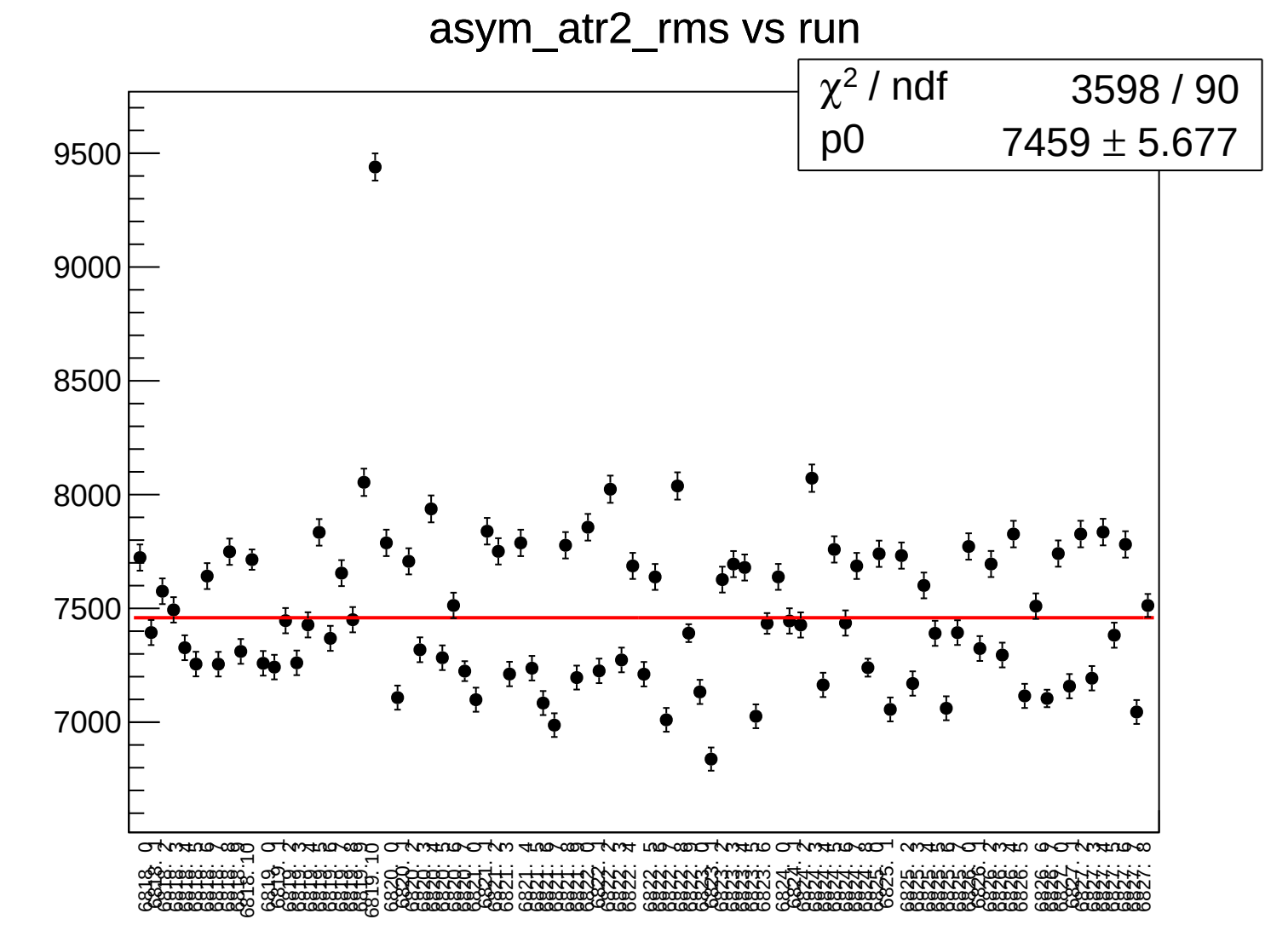

asym_atr2_correction_mean vs run
×10^3
χ^2 / ndf 82.91 / 90
p0 5012 ± 7625
200
100
0
−100
−200
pull
Entries 91
Mean 1446
Std Dev 1382
2
1
0
−1
−2

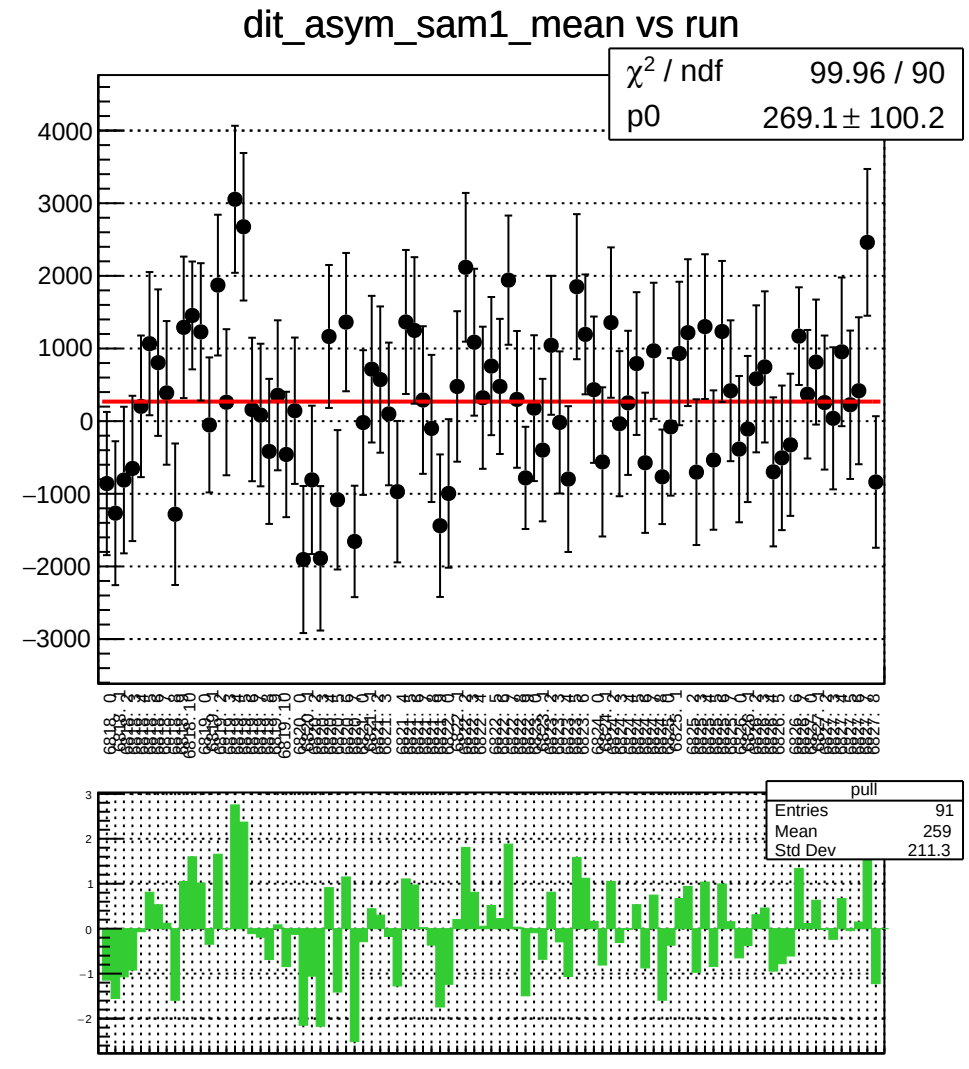

pull1D
Entries 91
Mean 0.001055
Std Dev 0.9545
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

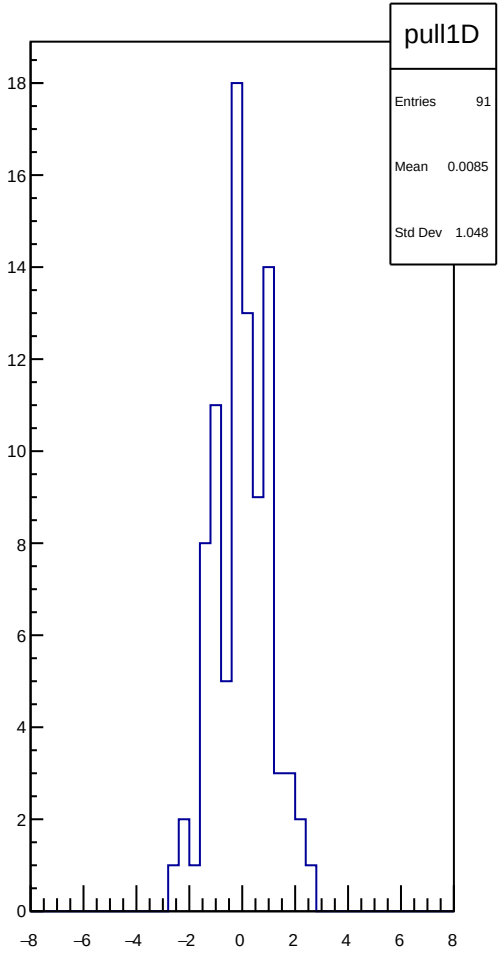

asym_atr2_correction_rms vs run
χ² / ndf 4461 / 90
p0 7082 ± 5.391
9500
9000
8500
8000
7500
7000
6500

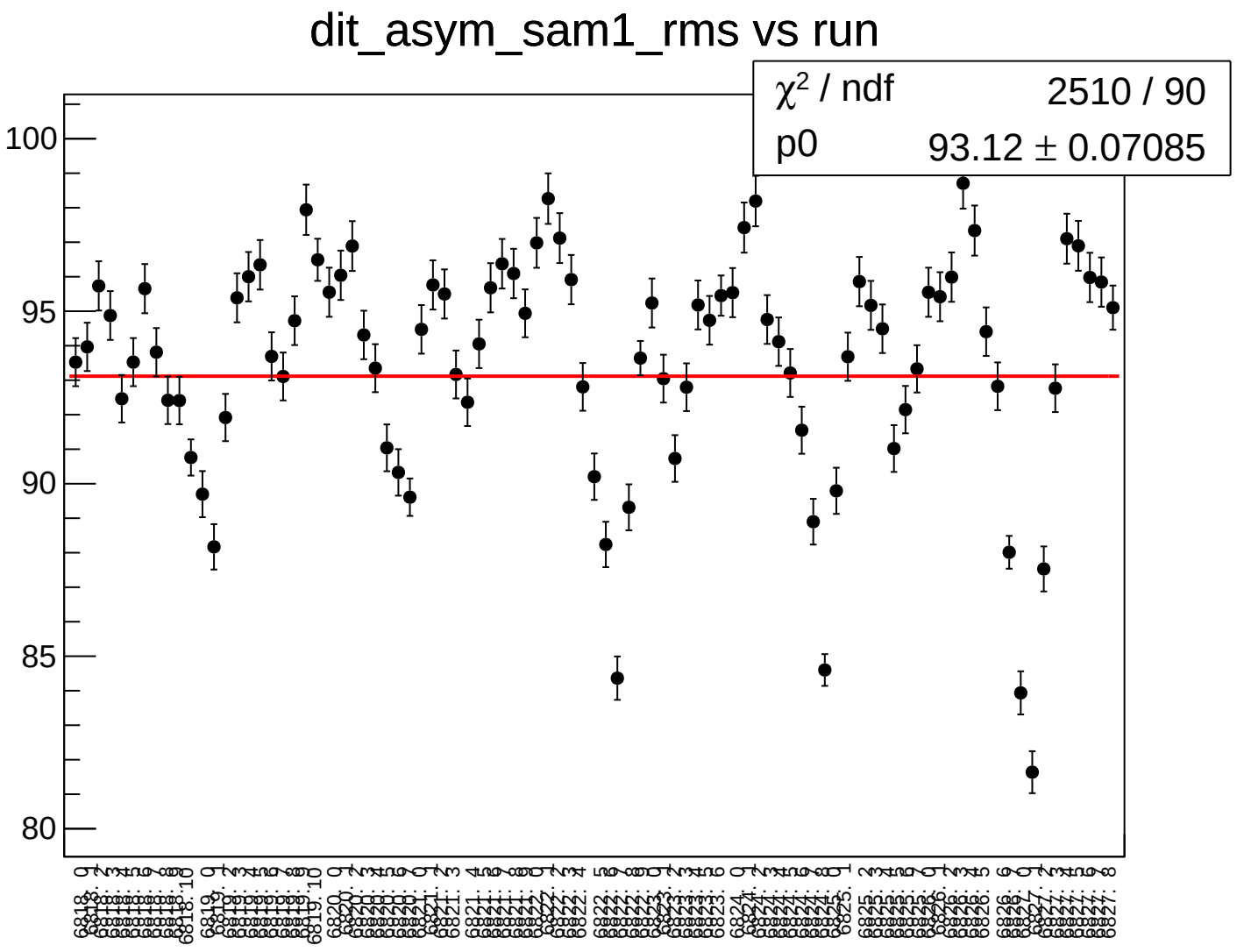

asym_atr2_mean vs run
×10^3
χ^2 / ndf 86.3 / 90
p0 −6769 ± 8029
200
100
0
−100
−200
−300
pull
Entries 91
Mean 62.1
Std Dev 118.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

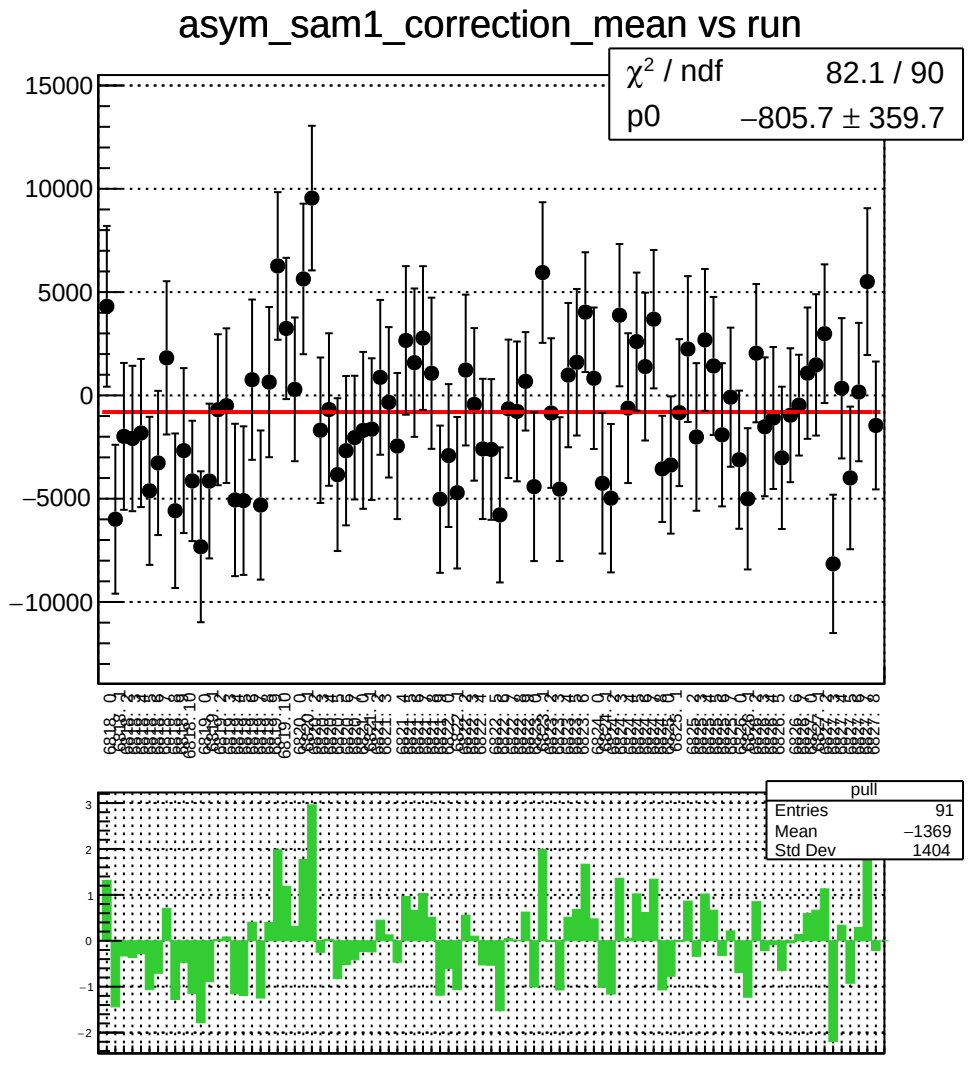

pull1D
Entries 91
Mean −0.005167
Std Dev 0.9738
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

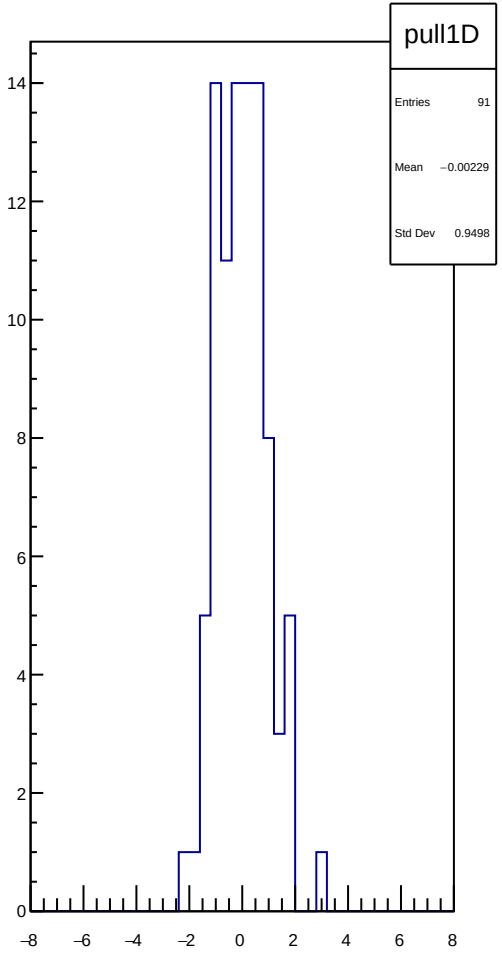

asym_atr2_rms vs run
χ^2 / ndf 3598 / 90
p0 7459 ± 5.677
9500
9000
8500
8000
7500
7000

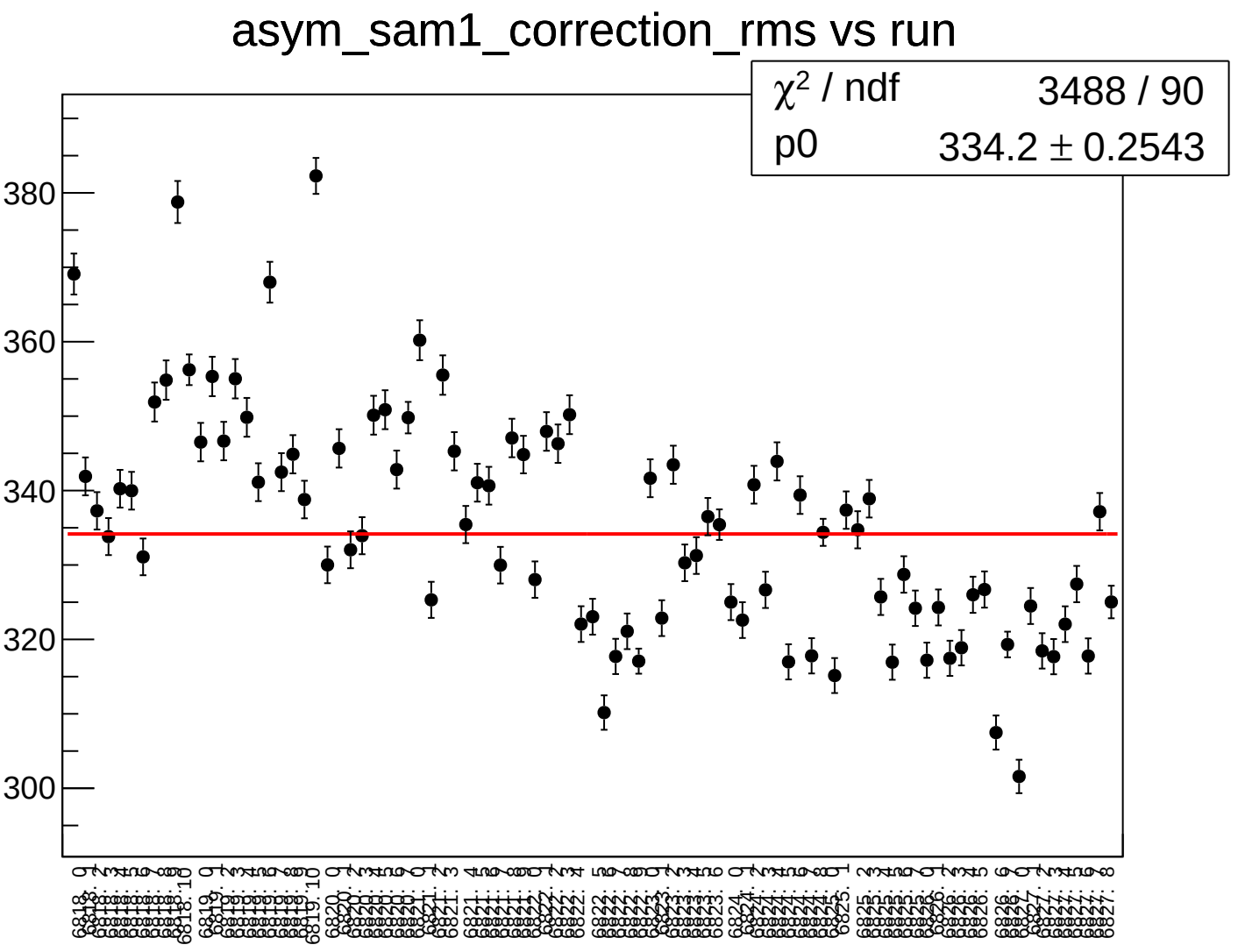

dit_asym_sam1_mean vs run
χ^2 / ndf 99.96 / 90
p0 269.1 ± 100.2
pull
Entries 91
Mean 259
Std Dev 211.3

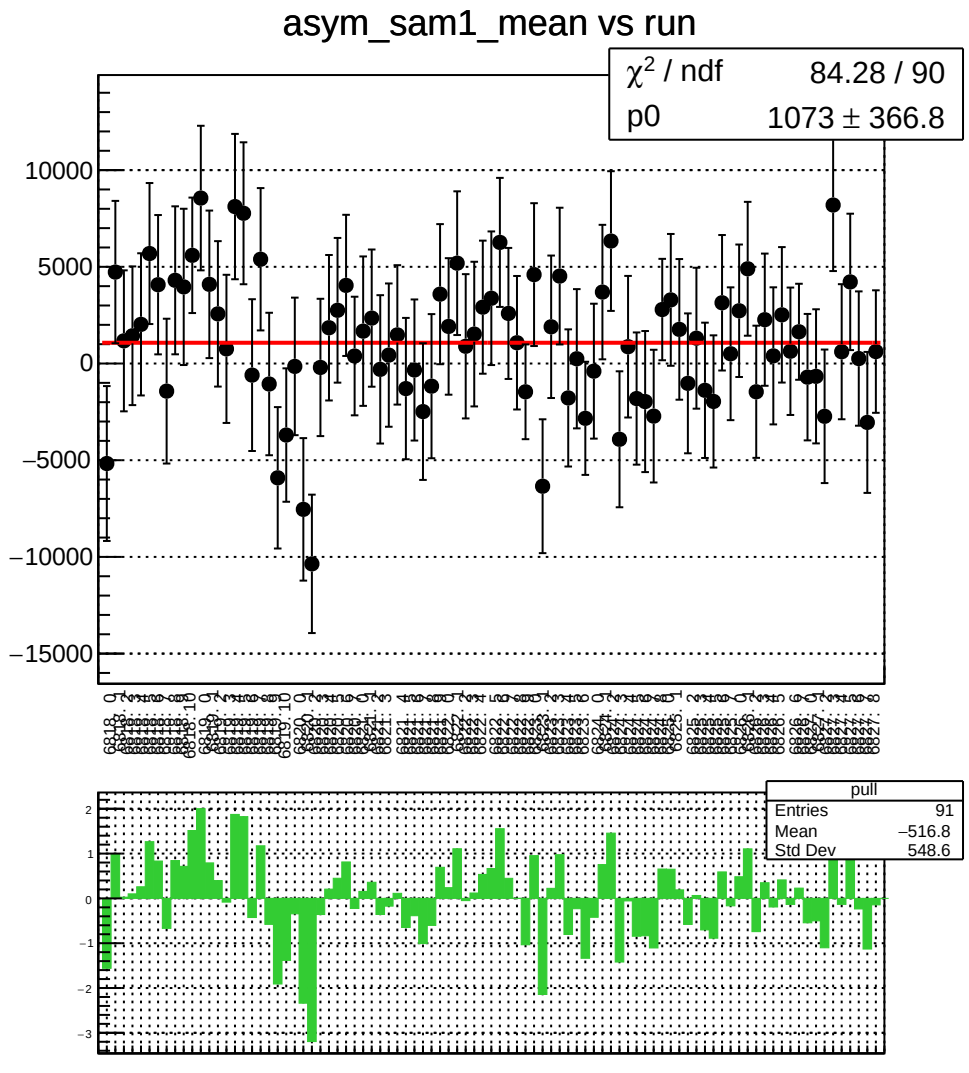

pull1D
Entries 91
Mean 0.0085
Std Dev 1.048

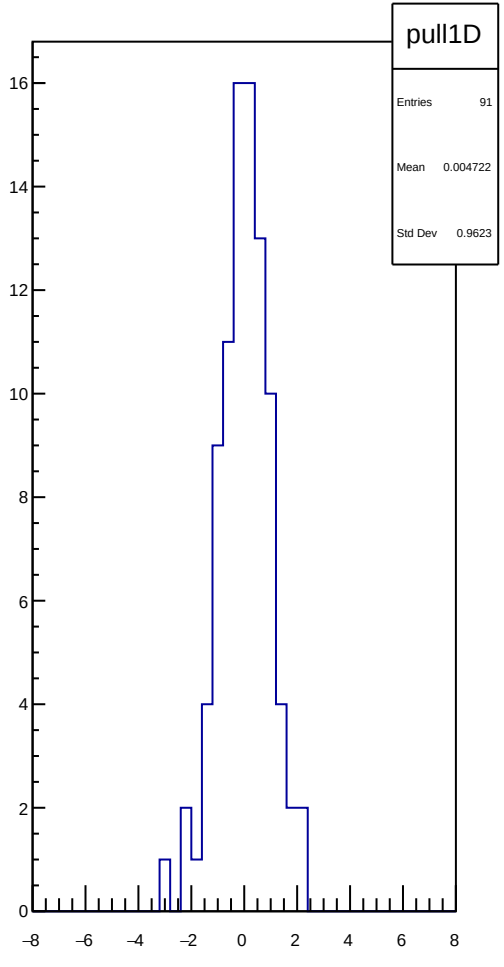

dit_asym_sam1_rms vs run
χ^2 / ndf 2510 / 90
p0 93.12 ± 0.07085
100
95
90
85
80

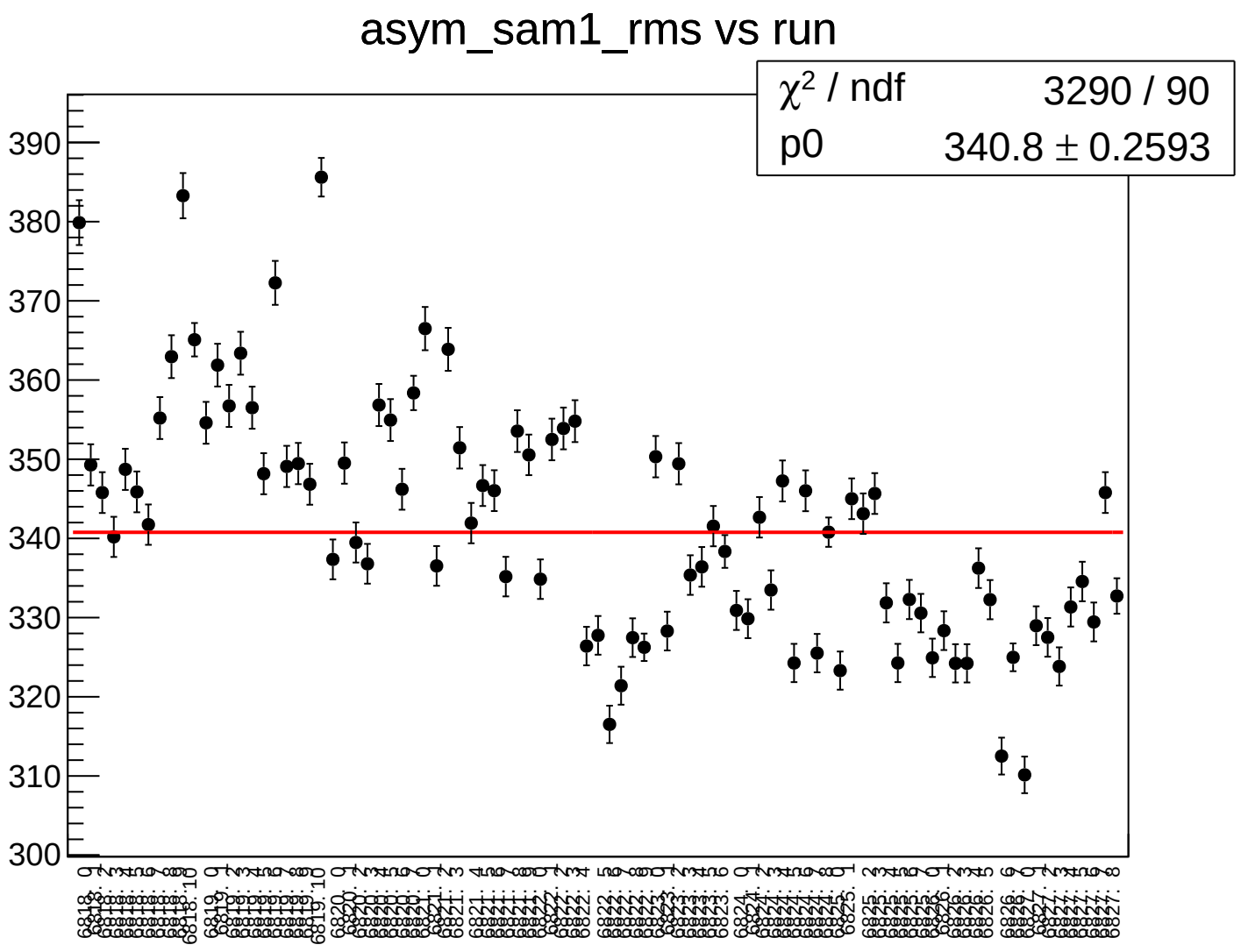

asym_sam1_correction_mean vs run
χ² / ndf 82.1 / 90
p0 −805.7 ± 359.7
15000
10000
5000
0
−5000
−10000
pull
Entries 91
Mean −1369
Std Dev 1404
3
2
1
0
−1
−2

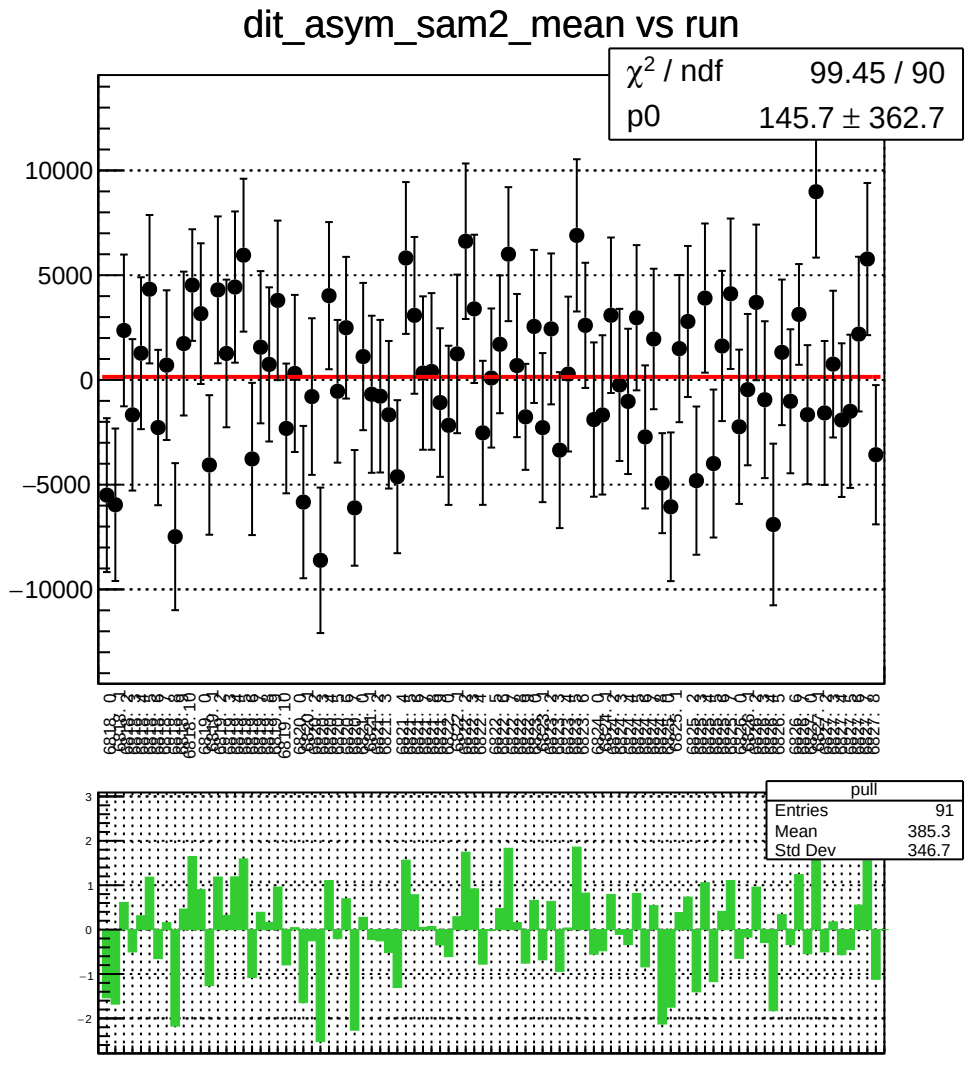

pull1D
Entries 91
Mean −0.00229
Std Dev 0.9498
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

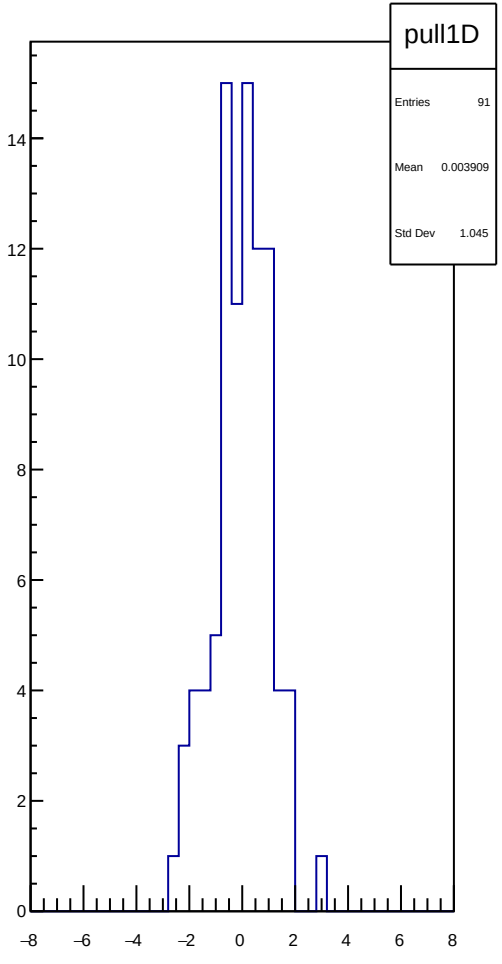

asym_sam1_correction_rms vs run
χ² / ndf 3488 / 90
p0 334.2 ± 0.2543
380
360
340
320
300

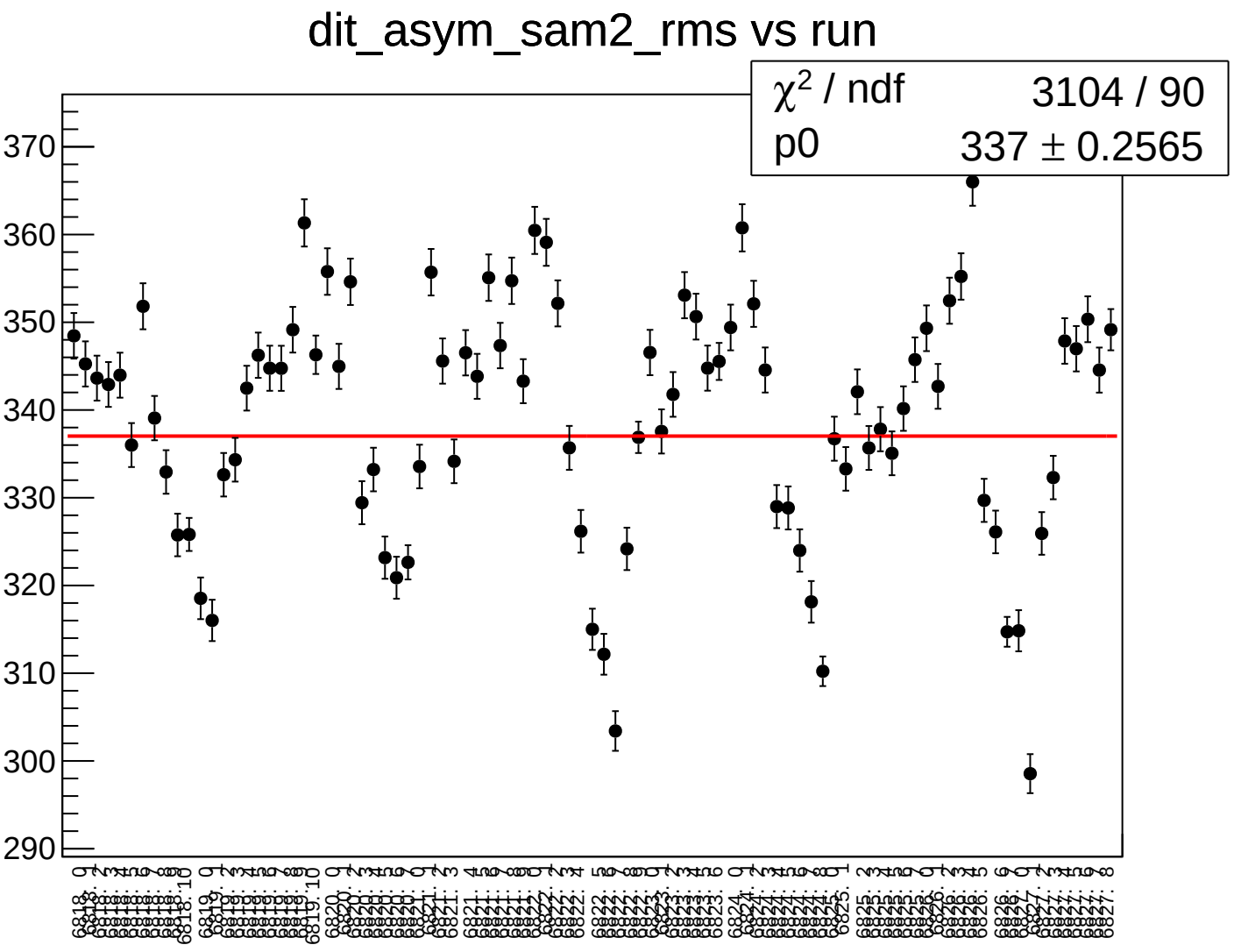

asym_sam1_mean vs run
χ² / ndf 84.28 / 90
p0 1073 ± 366.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean −516.8
Std Dev 548.6
2
1
0
−1
−2
−3

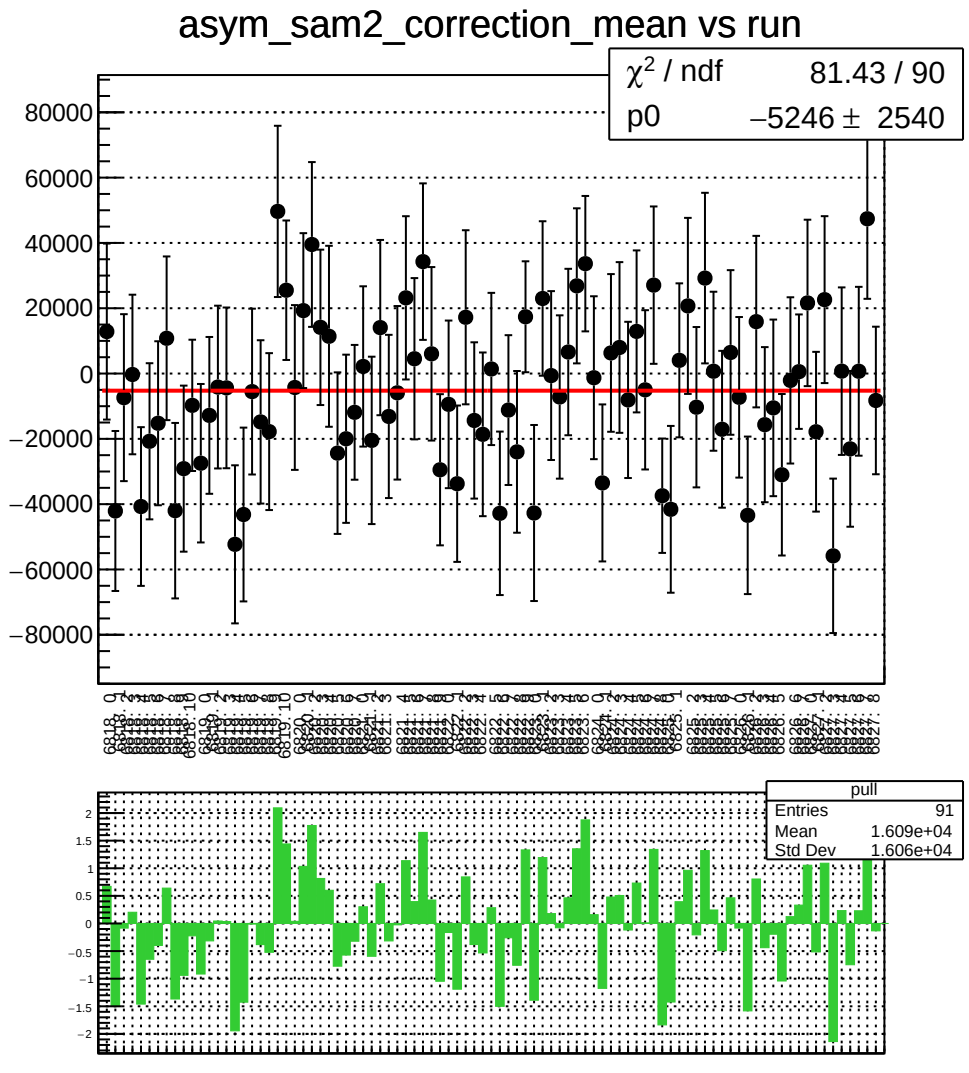

pull1D
Entries 91
Mean 0.004722
Std Dev 0.9623
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

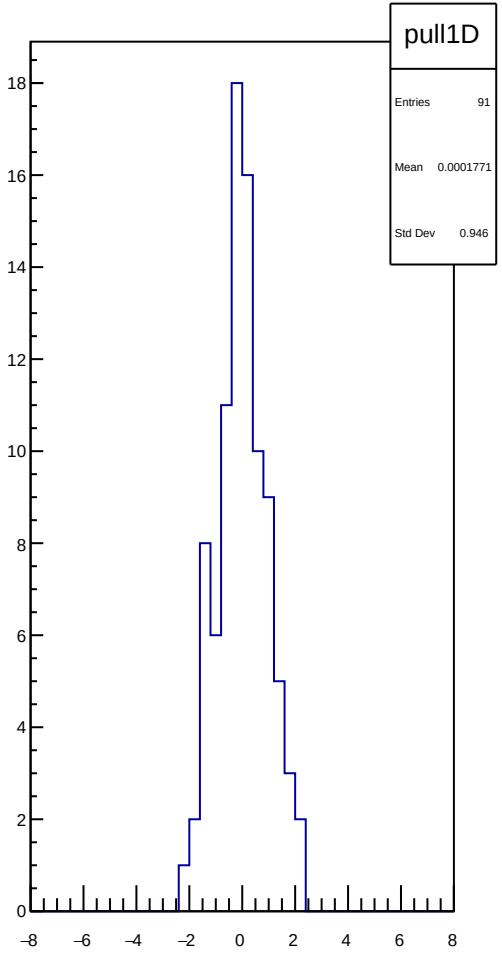

asym_sam1_rms vs run
χ² / ndf 3290 / 90
p0 340.8 ± 0.2593
390
380
370
360
350
340
330
320
310
300

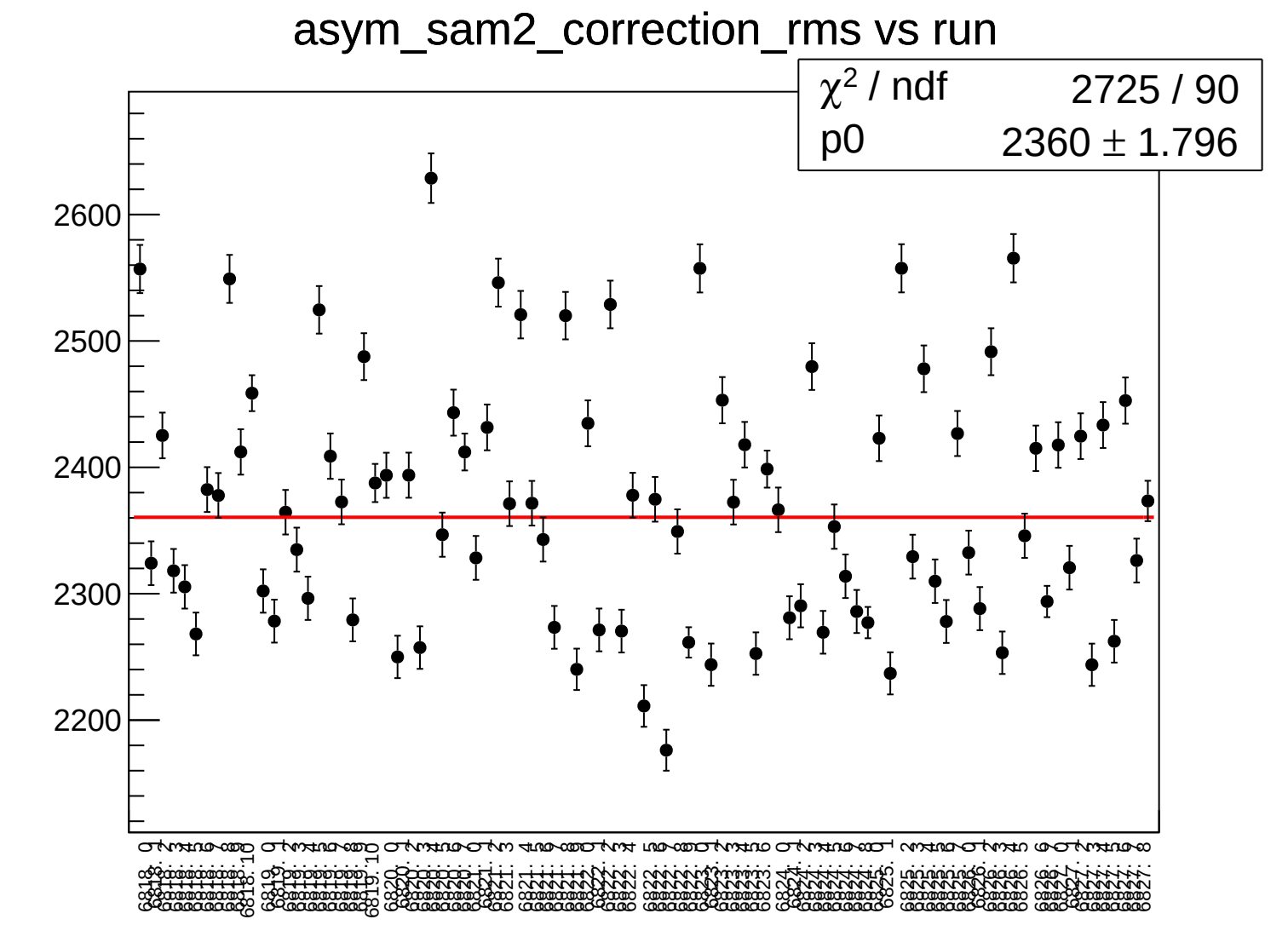

dit_asym_sam2_mean vs run
χ² / ndf 99.45 / 90
p0 145.7 ± 362.7
10000
5000
0
−5000
−10000
pull
Entries 91
Mean 385.3
Std Dev 346.7
3
2
1
0
−1
−2

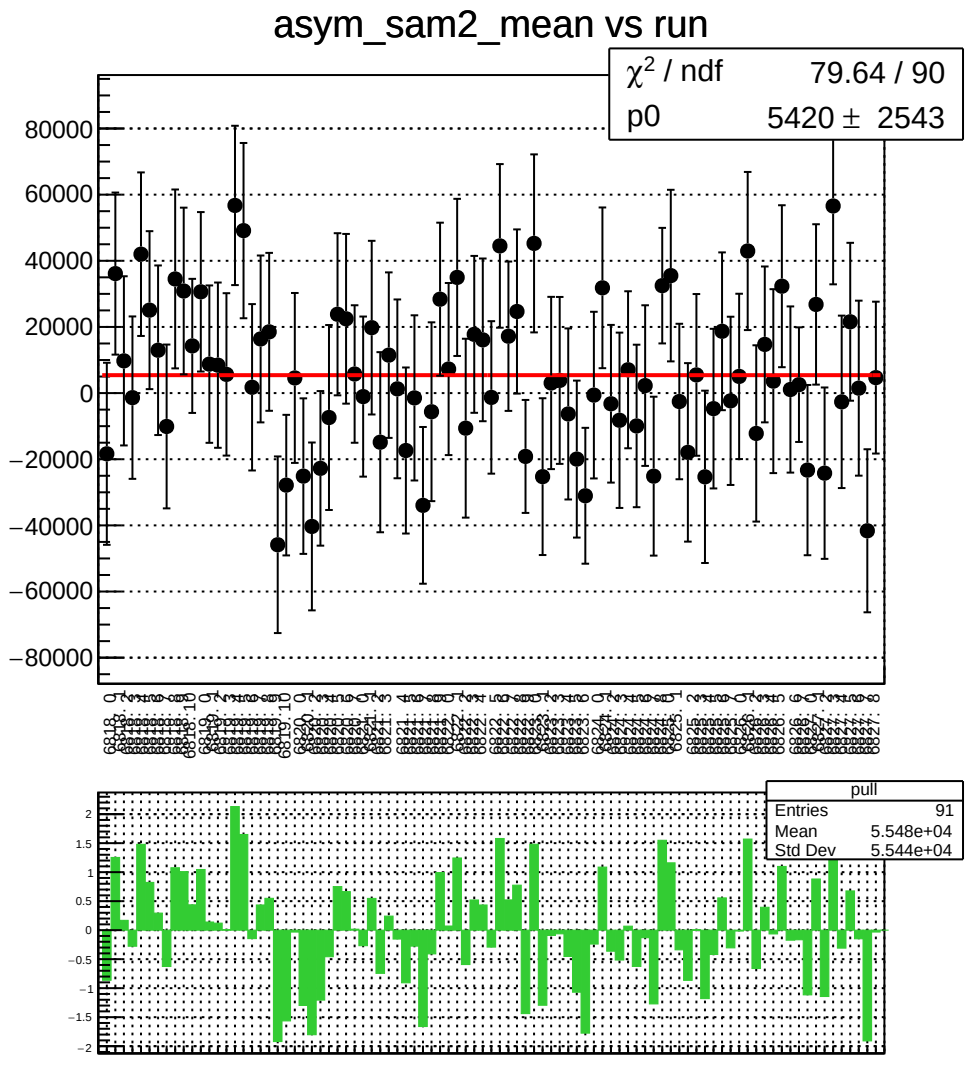

pull1D
Entries 91
Mean 0.003909
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

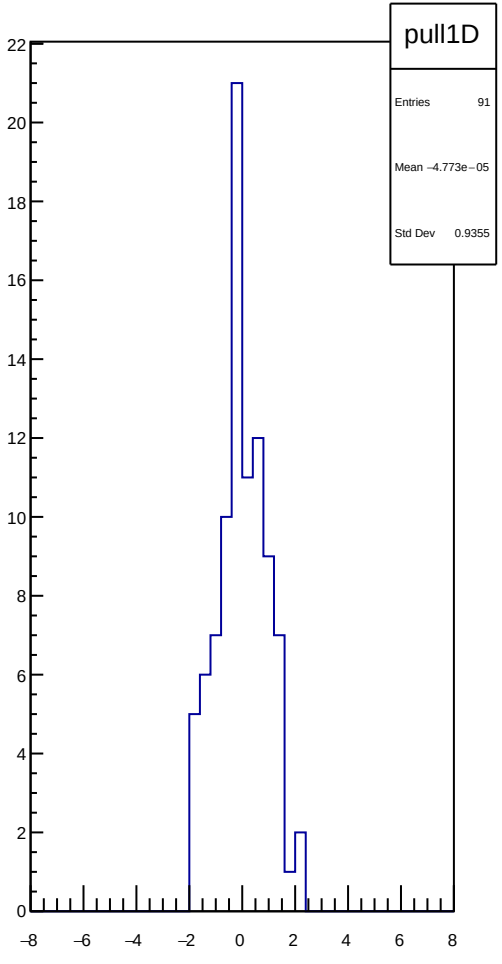

dit_asym_sam2_rms vs run
χ² / ndf 3104 / 90
p0 337 ± 0.2565
370
360
350
340
330
320
310
300
290

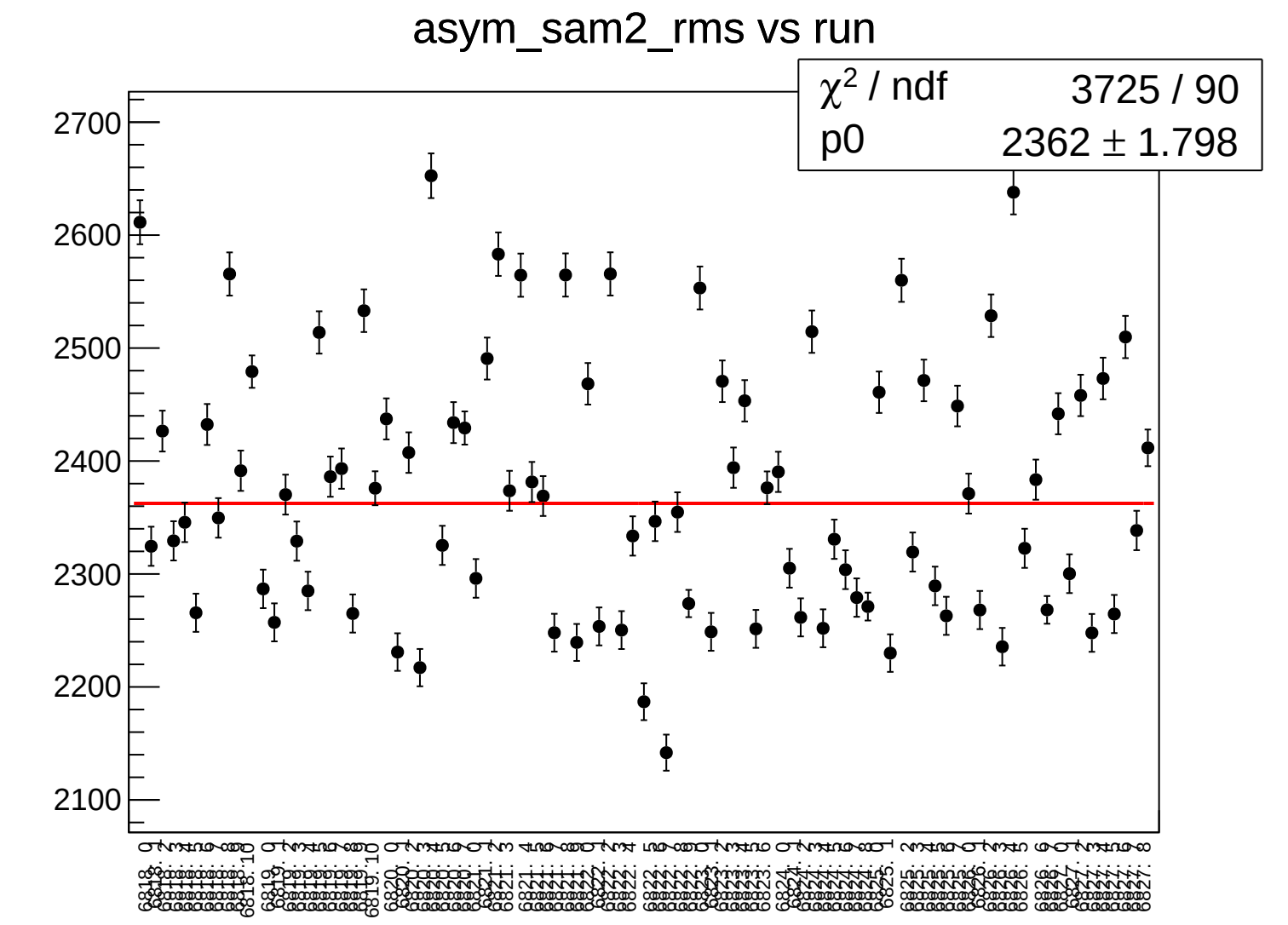

asym_sam2_correction_mean vs run
χ² / ndf 81.43 / 90
p0 −5246 ± 2540
pull
Entries 91
Mean 1.609e+04
Std Dev 1.606e+04

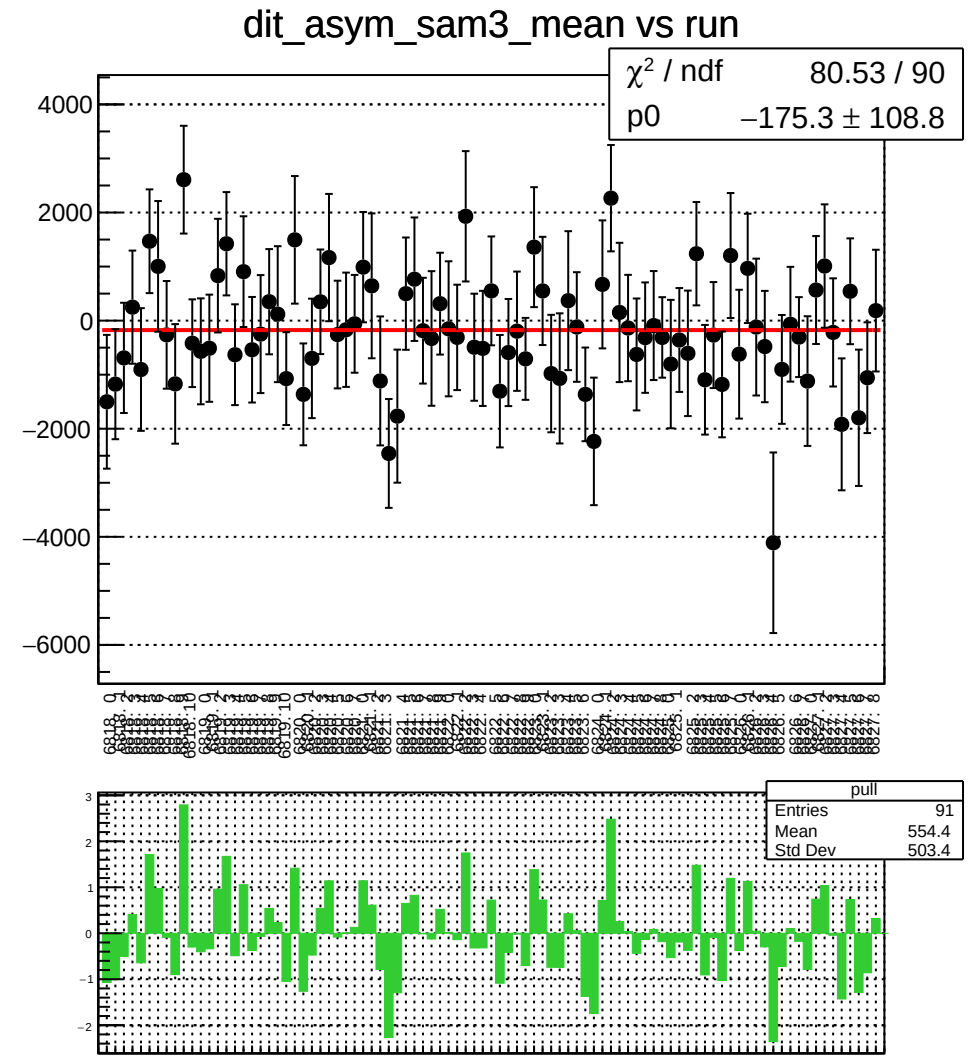

pull1D
Entries 91
Mean 0.0001771
Std Dev 0.946

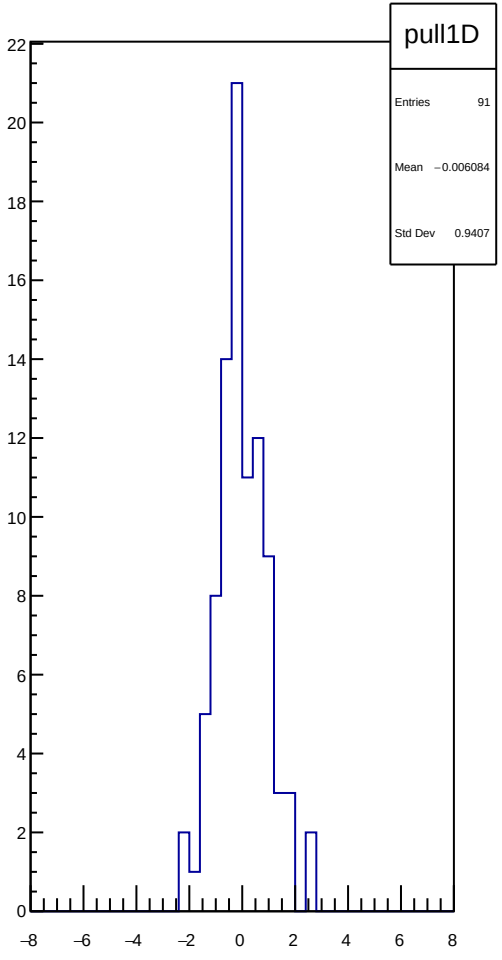

asym_sam2_correction_rms vs run
χ² / ndf 2725 / 90
p0 2360 ± 1.796
2600
2500
2400
2300
2200

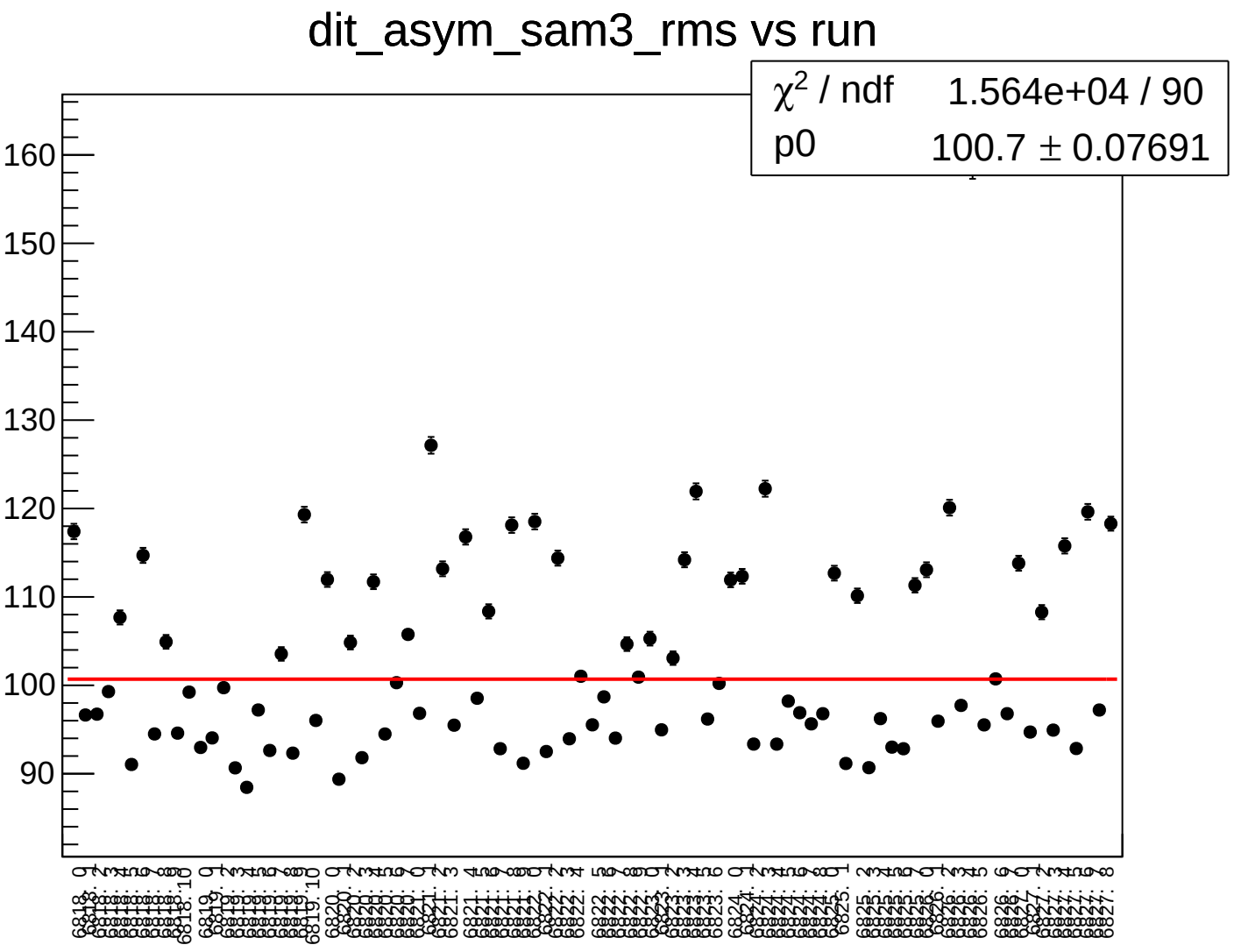

asym_sam2_mean vs run
χ² / ndf 79.64 / 90
p0 5420 ± 2543
pull
Entries 91
Mean 5.548e+04
Std Dev 5.544e+04

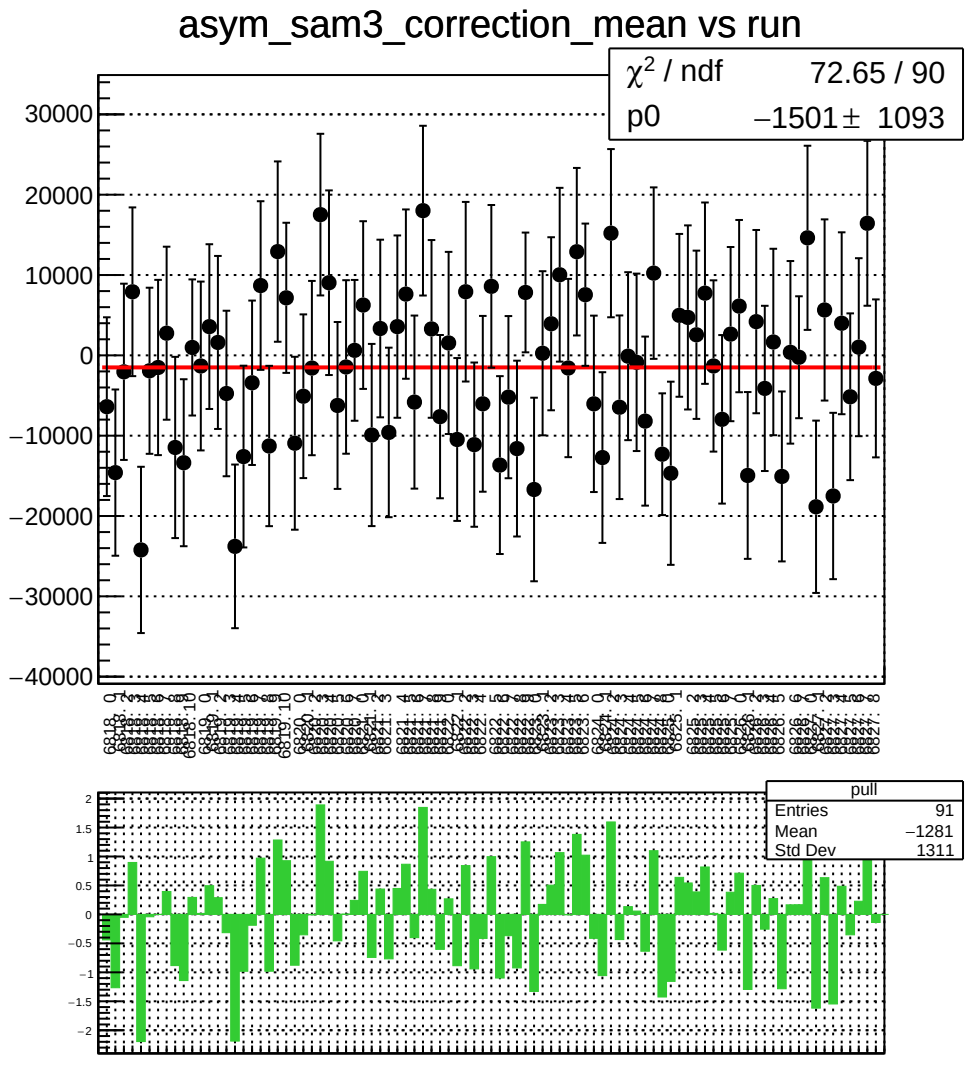

pull1D
Entries 91
Mean −4.773e−05
Std Dev 0.9355

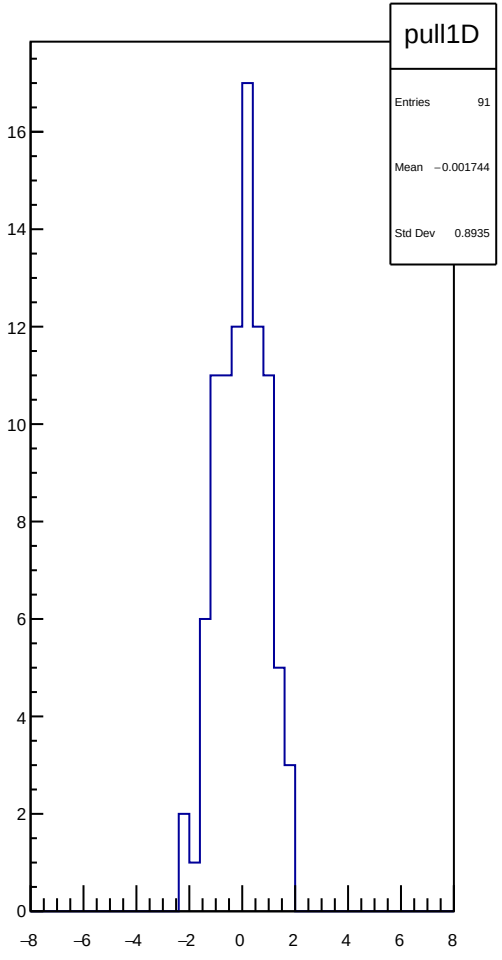

asym_sam2_rms vs run
χ² / ndf 3725 / 90
p0 2362 ± 1.798
2700
2600
2500
2400
2300
2200
2100

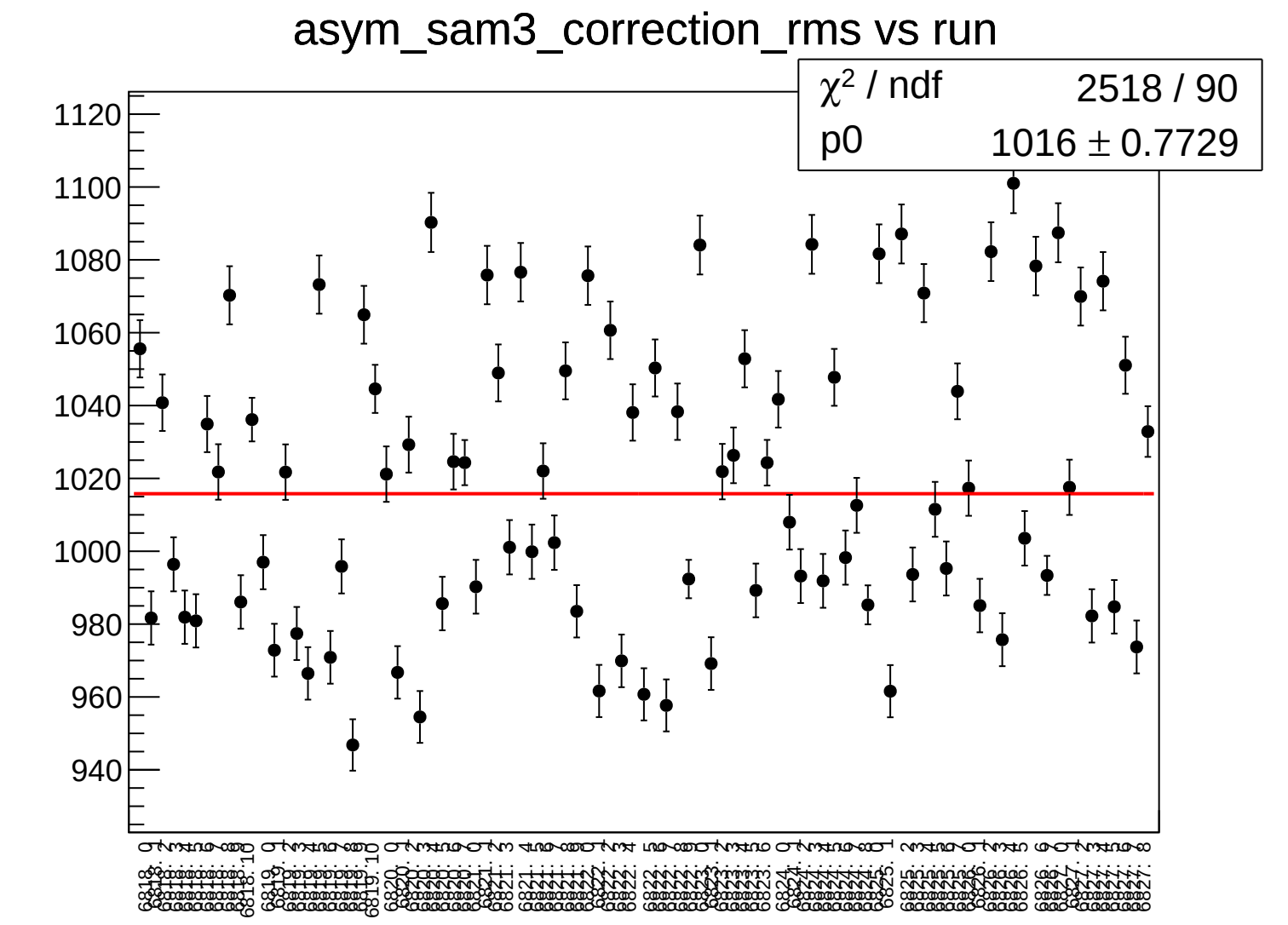

dit_asym_sam3_mean vs run
χ² / ndf 80.53 / 90
p0 −175.3 ± 108.8
pull
Entries 91
Mean 554.4
Std Dev 503.4

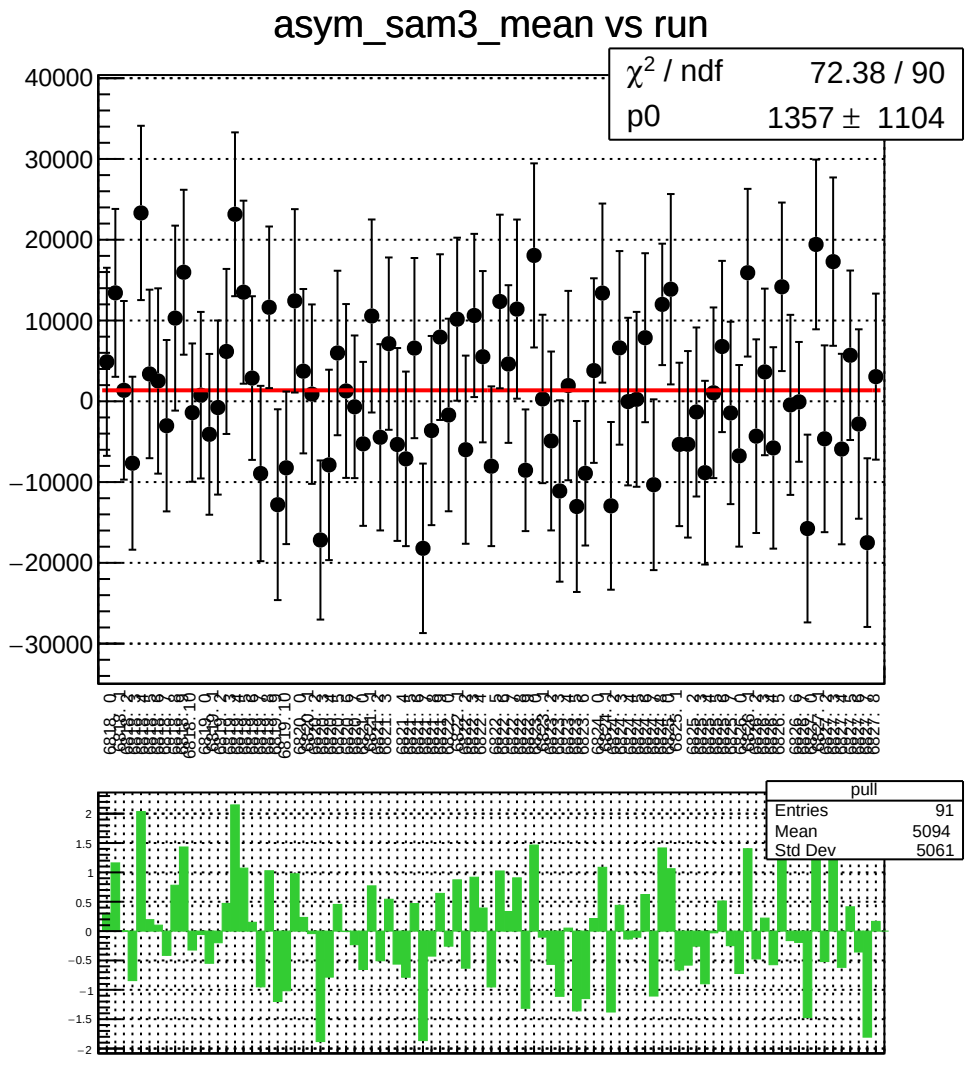

pull1D
Entries 91
Mean −0.006084
Std Dev 0.9407

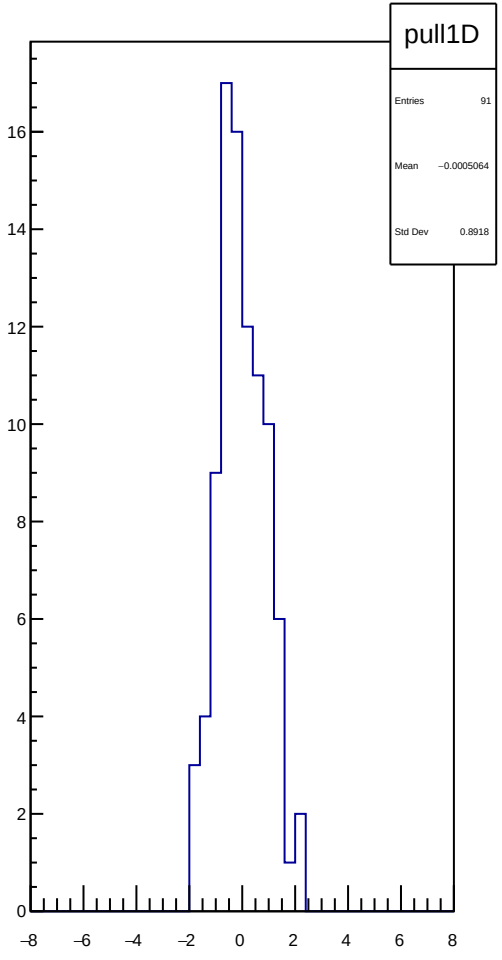

dit_asym_sam3_rms vs run
χ² / ndf 1.564e+04 / 90
p0 100.7 ± 0.07691
160
150
140
130
120
110
100
90

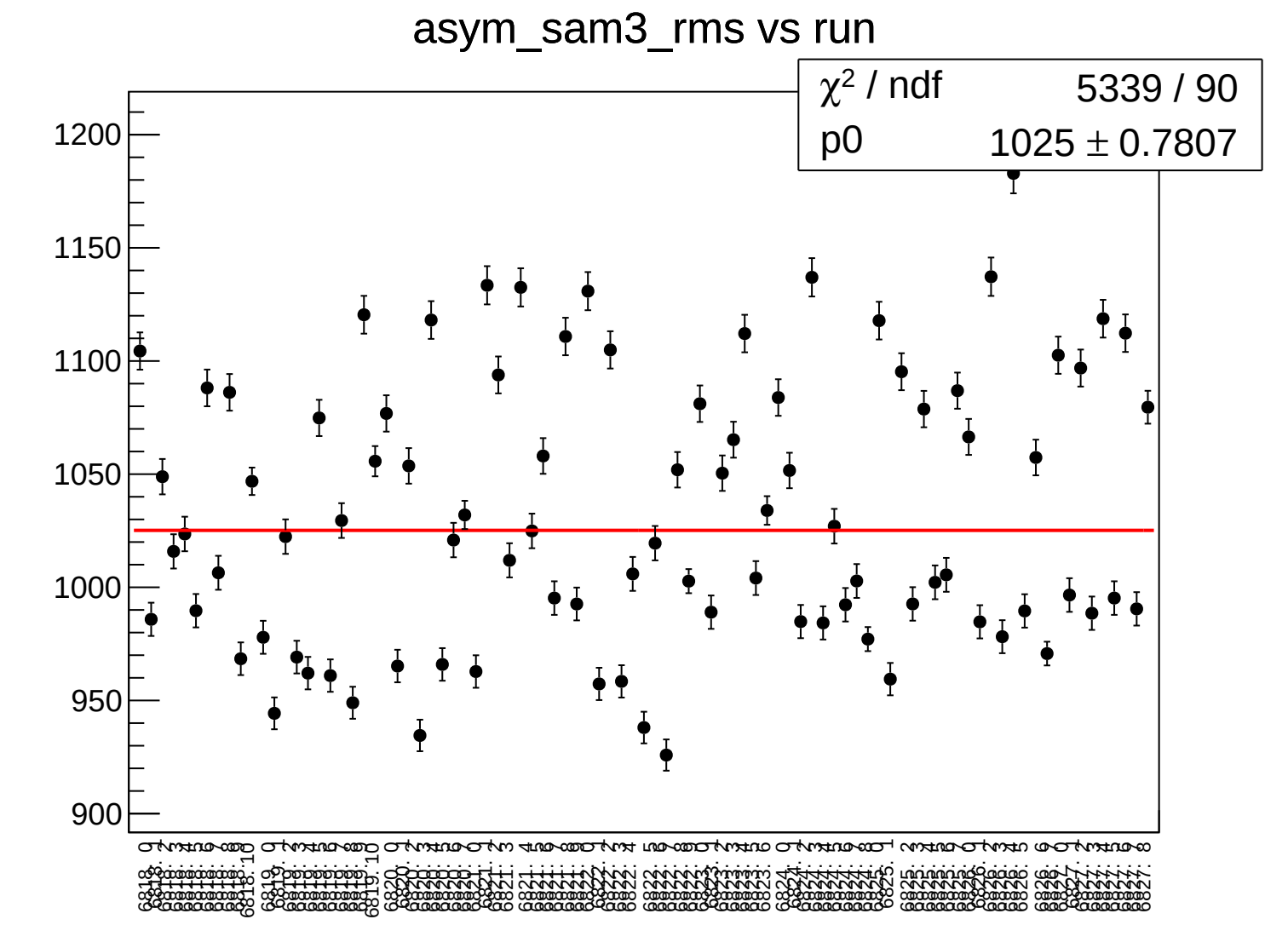

asym_sam3_correction_mean vs run
χ² / ndf 72.65 / 90
p0 −1501 ± 1093
pull
Entries 91
Mean −1281
Std Dev 1311

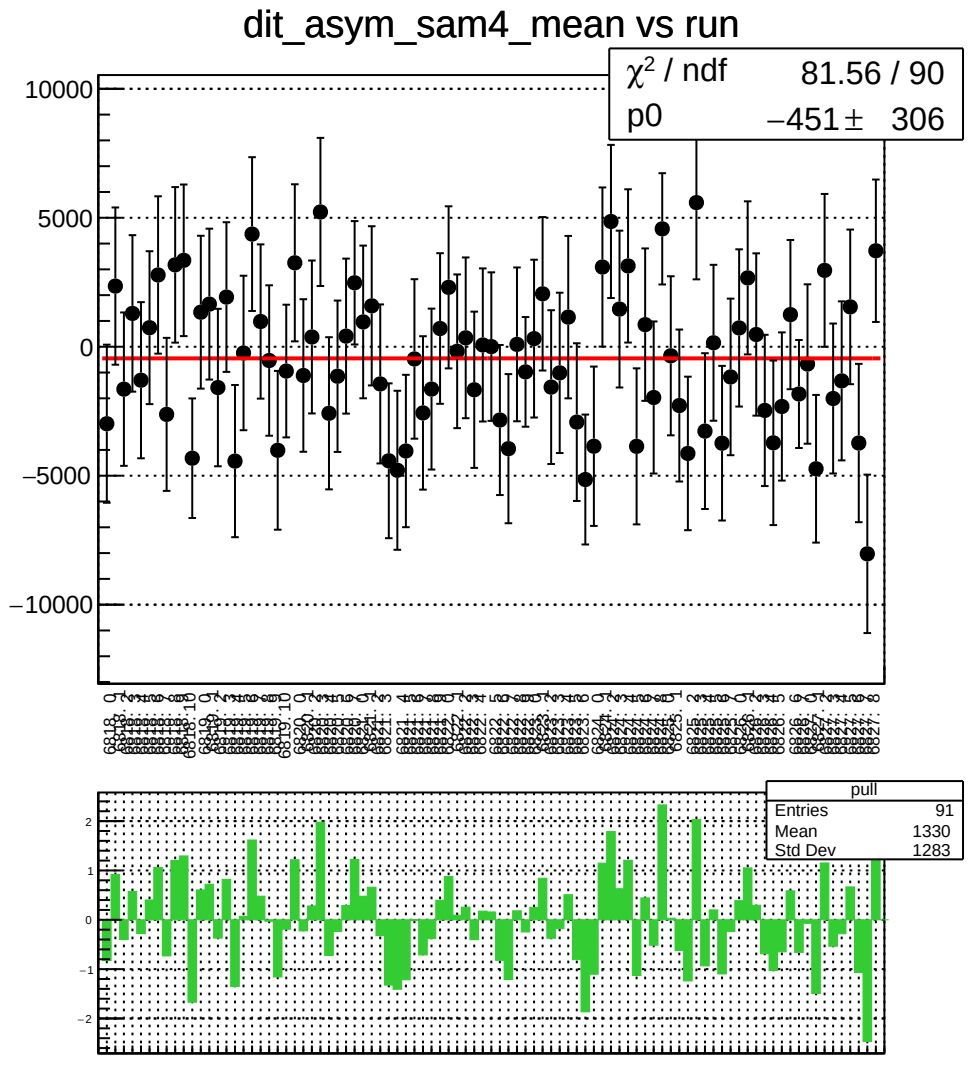

pull1D
Entries 91
Mean −0.001744
Std Dev 0.8935

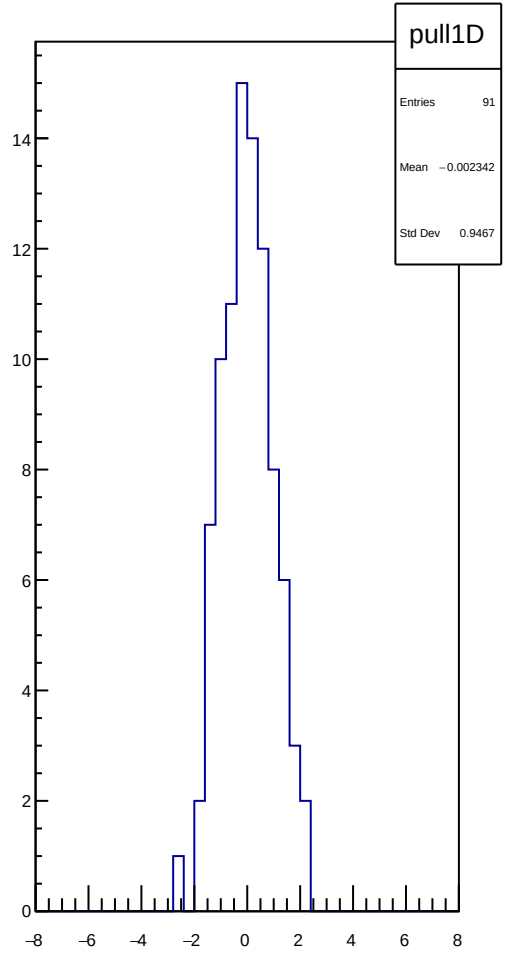

asym_sam3_correction_rms vs run
χ² / ndf 2518 / 90
p0 1016 ± 0.7729
1120
1100
1080
1060
1040
1020
1000
980
960
940

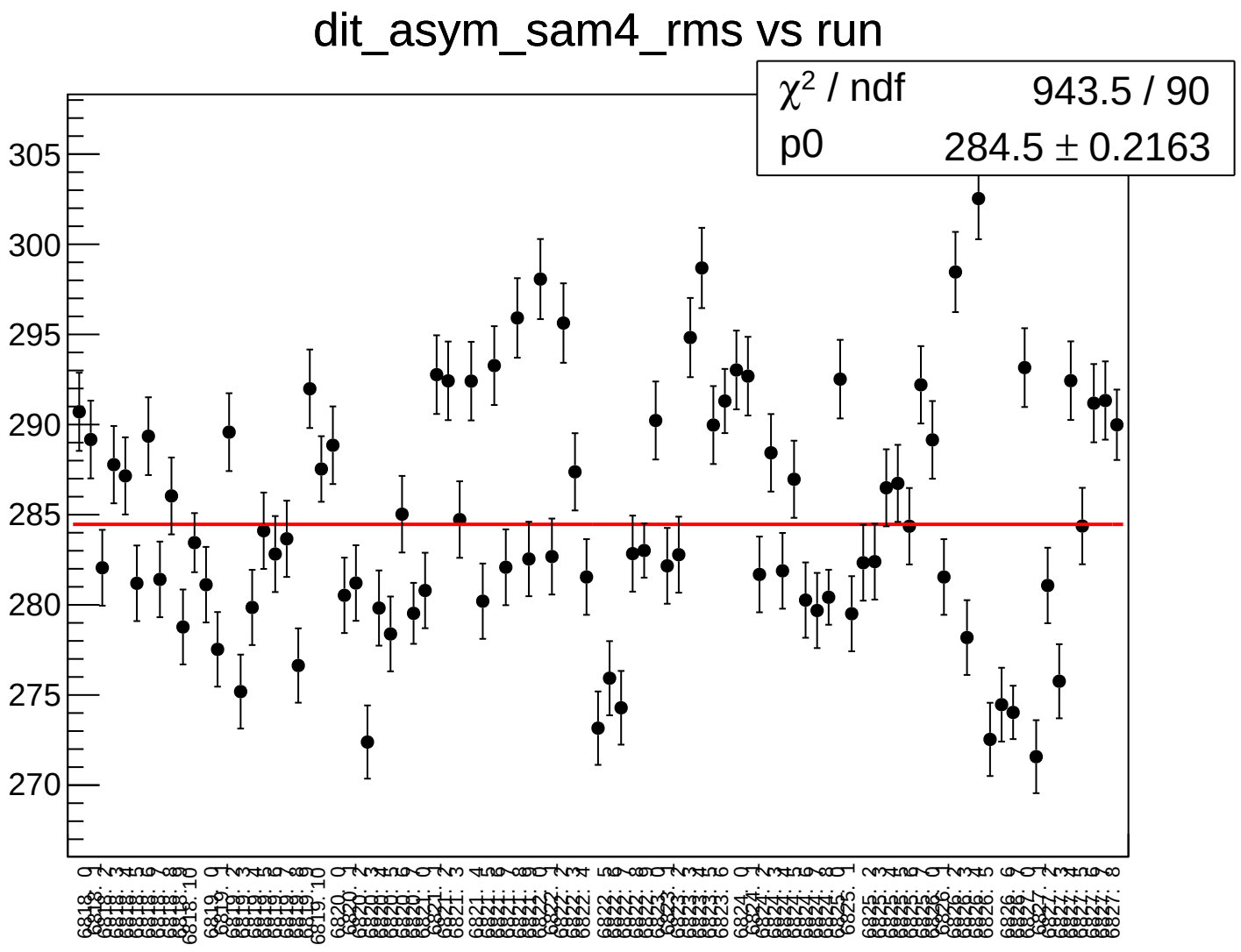

asym_sam3_mean vs run
χ² / ndf 72.38 / 90
p0 1357 ± 1104
pull
Entries 91
Mean 5094
Std Dev 5061

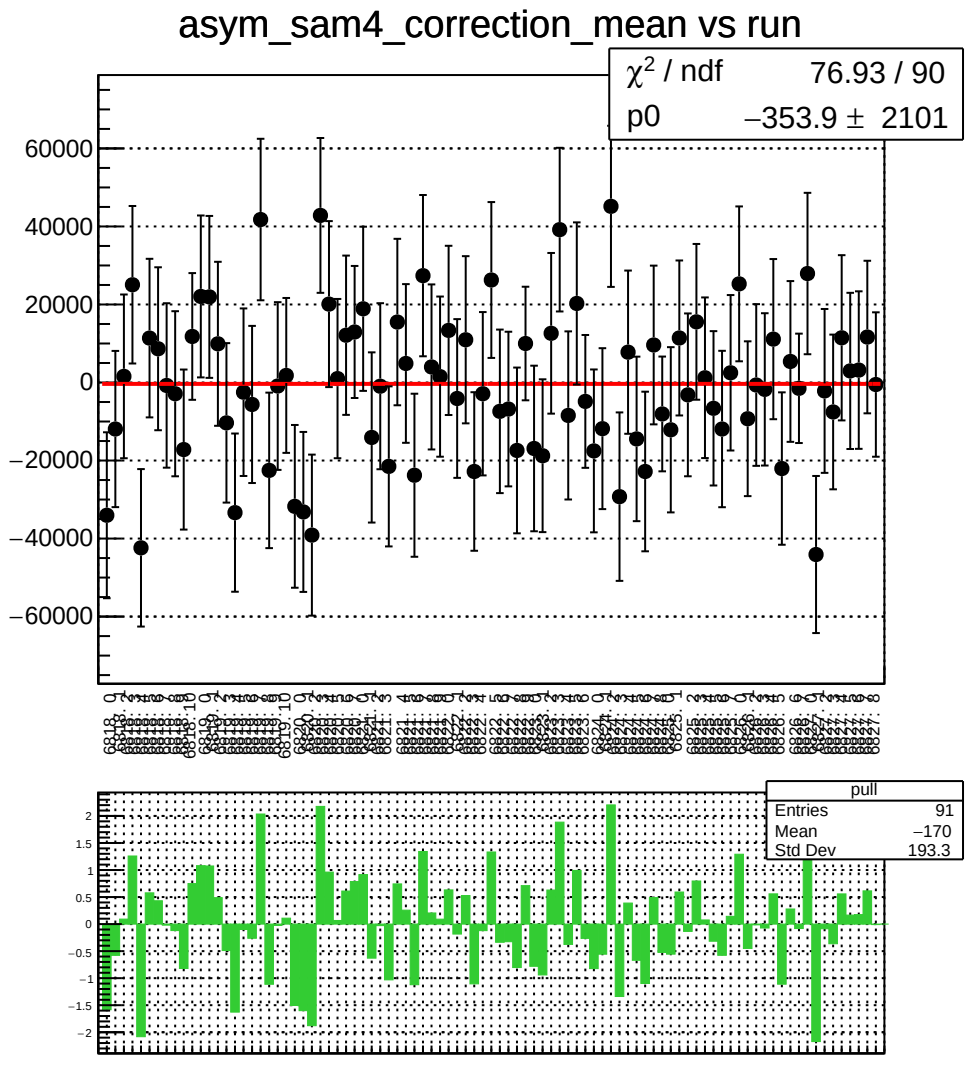

pull1D
Entries 91
Mean −0.0005064
Std Dev 0.8918

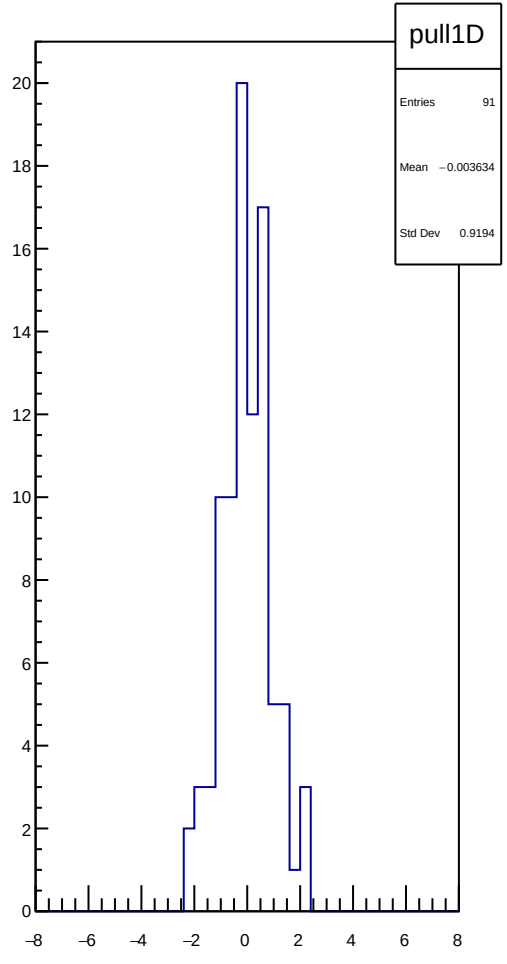

asym_sam3_rms vs run
χ² / ndf 5339 / 90
p0 1025 ± 0.7807
1200
1150
1100
1050
1000
950
900

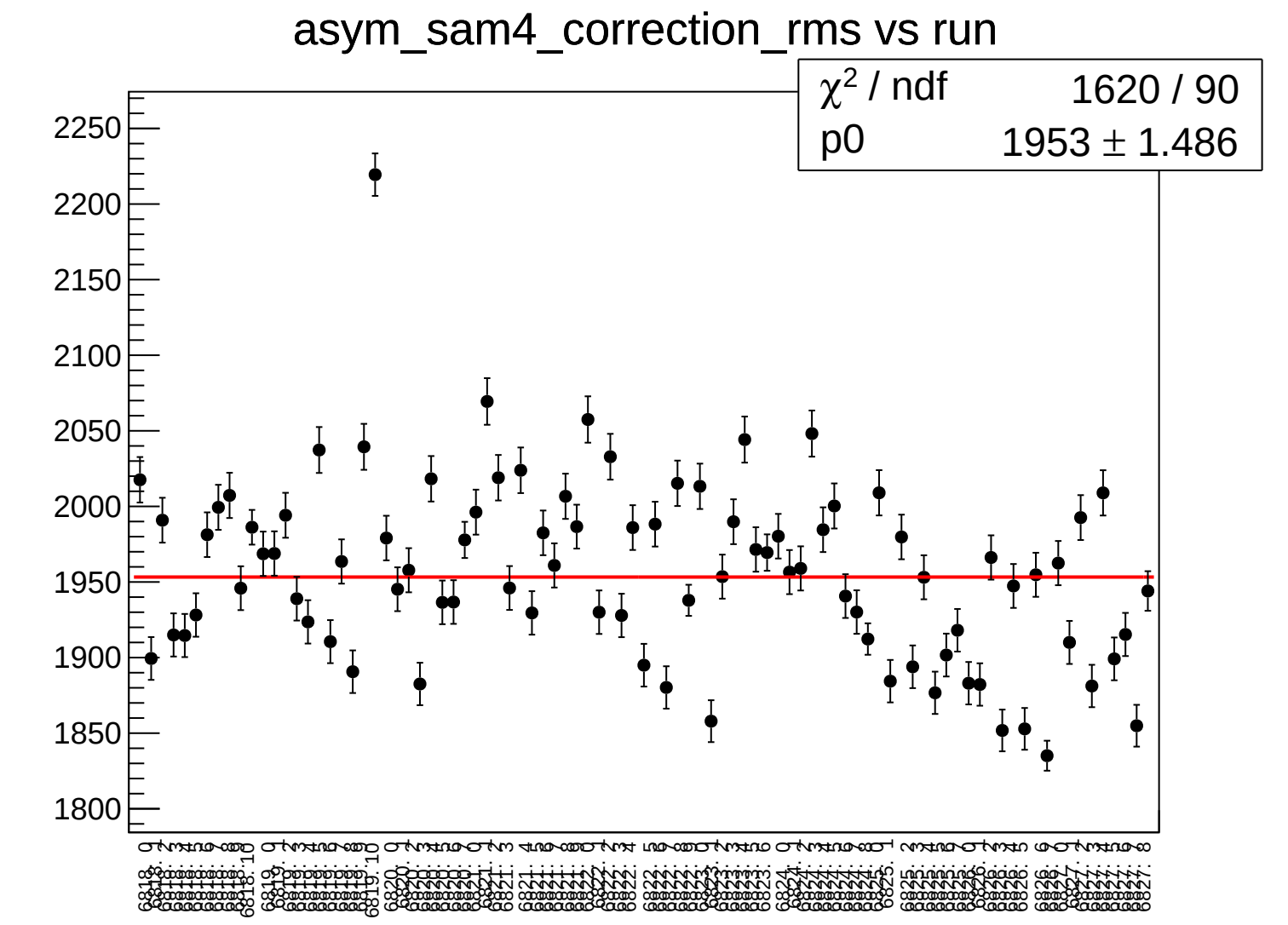

dit_asym_sam4_mean vs run
χ² / ndf 81.56 / 90
p0 −451 ± 306
10000
5000
0
−5000
−10000
pull
Entries 91
Mean 1330
Std Dev 1283
2
1
0
−1
−2

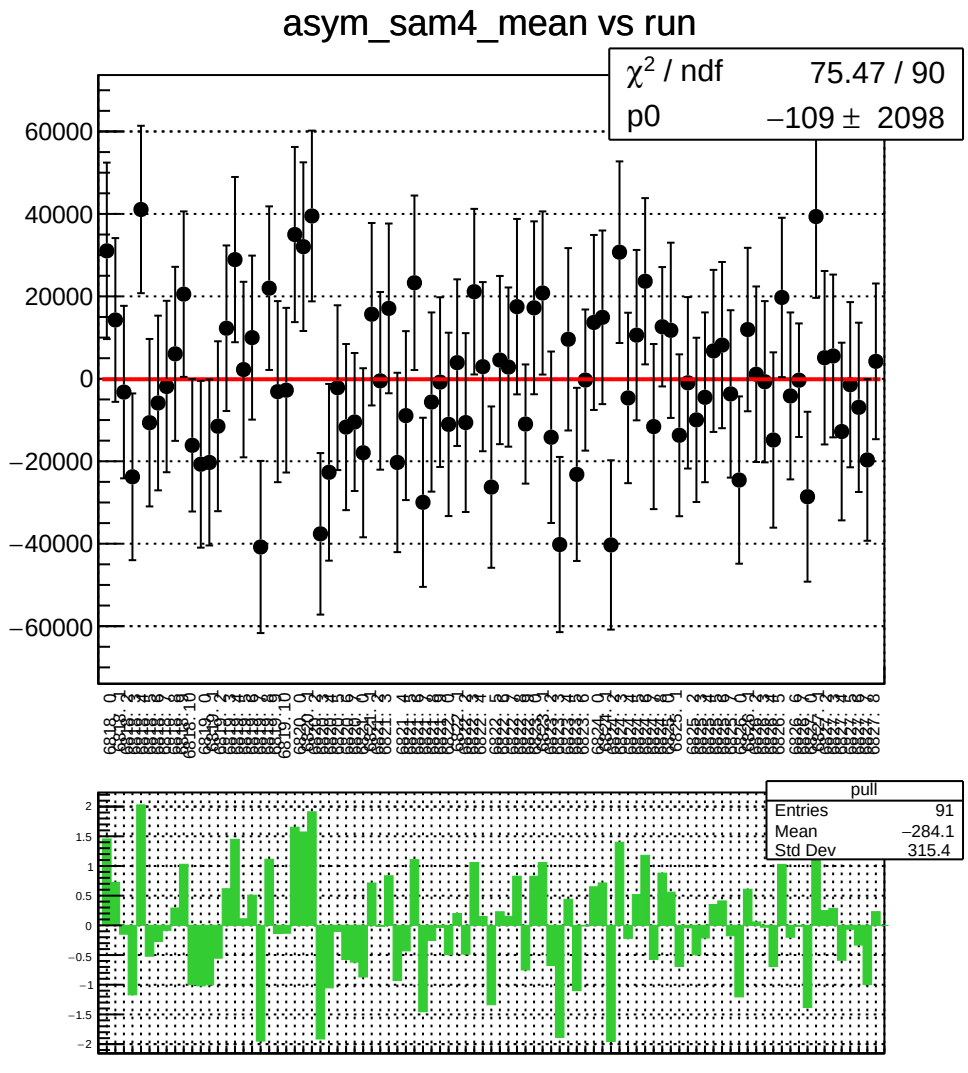

pull1D
Entries 91
Mean −0.002342
Std Dev 0.9467
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

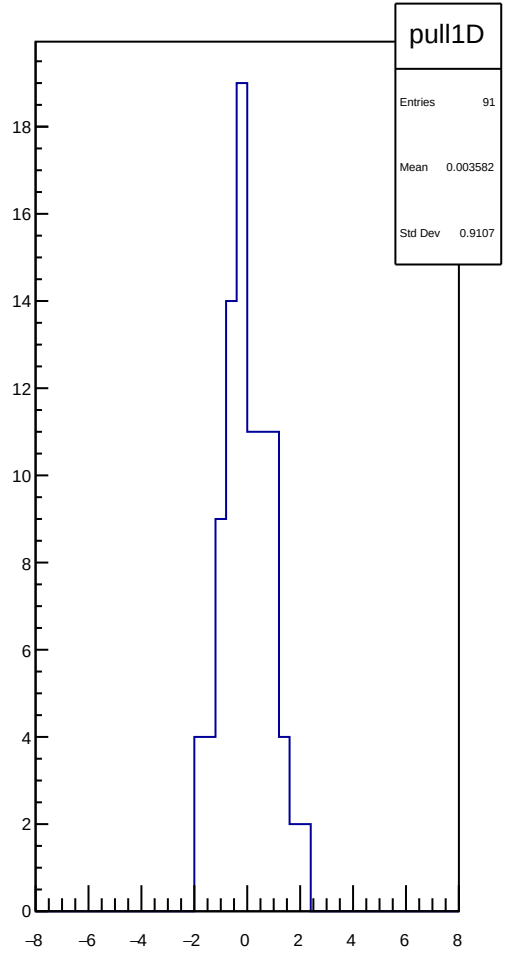

dit_asym_sam4_rms vs run
χ² / ndf 943.5 / 90
p0 284.5 ± 0.2163
305
300
295
290
285
280
275
270

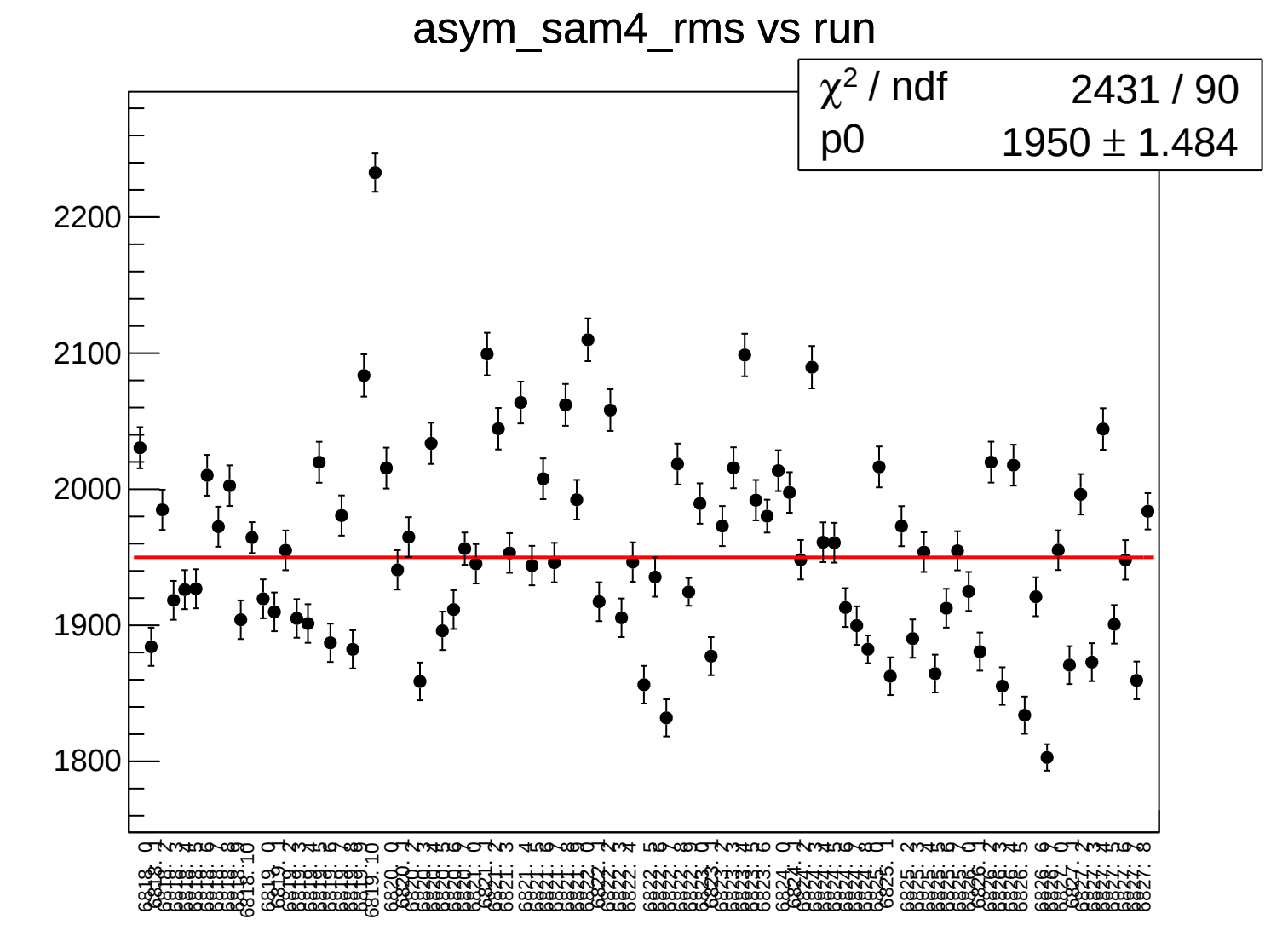

asym_sam4_correction_mean vs run
χ² / ndf 76.93 / 90
p0 −353.9 ± 2101
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 91
Mean −170
Std Dev 193.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

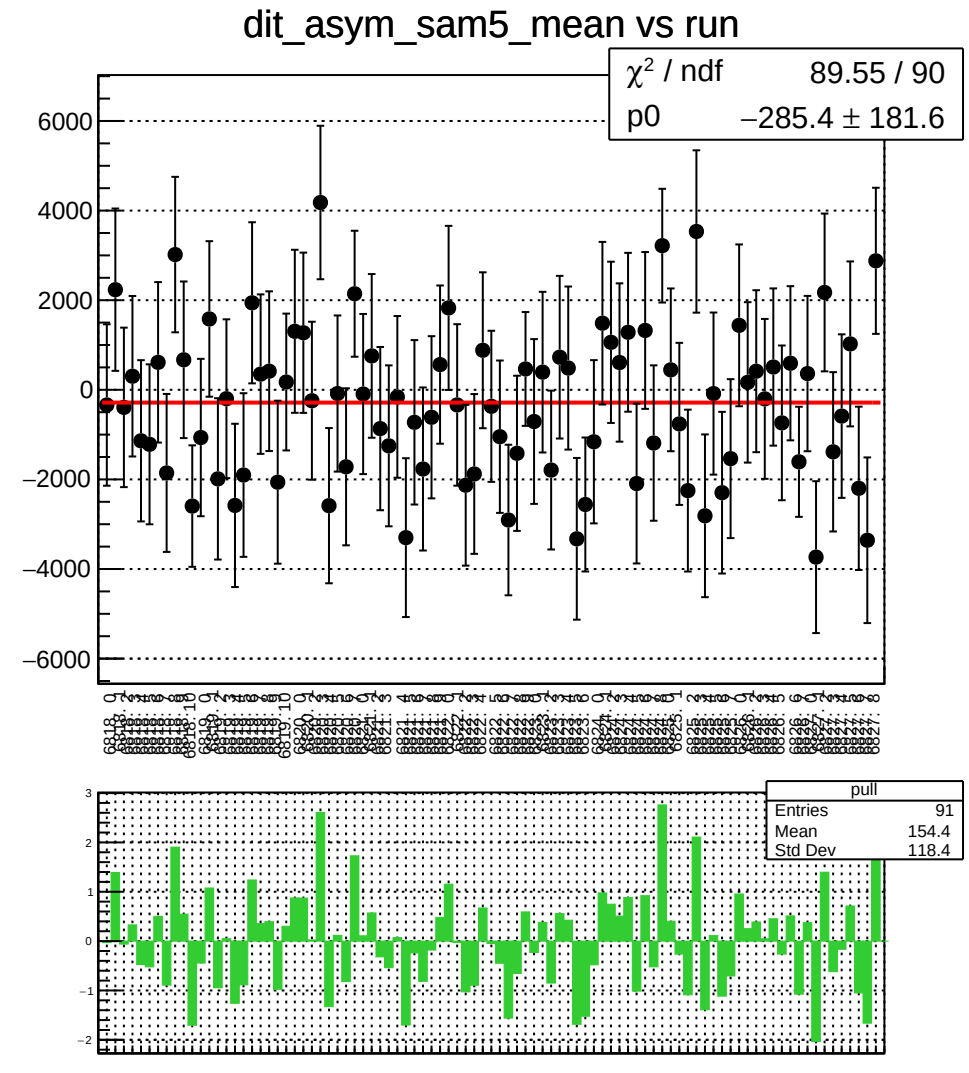

pull1D
Entries 91
Mean −0.003634
Std Dev 0.9194
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

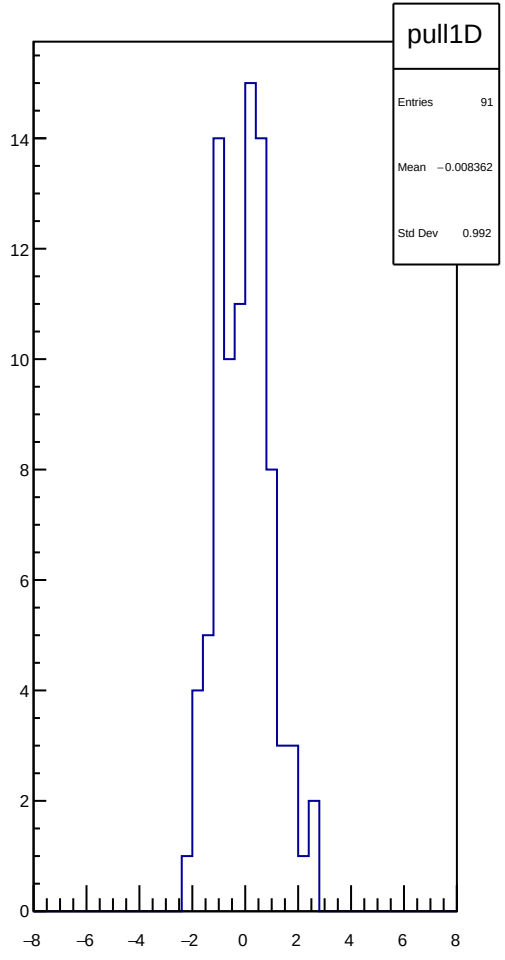

asym_sam4_correction_rms vs run
χ² / ndf 1620 / 90
p0 1953 ± 1.486
2250
2200
2150
2100
2050
2000
1950
1900
1850
1800

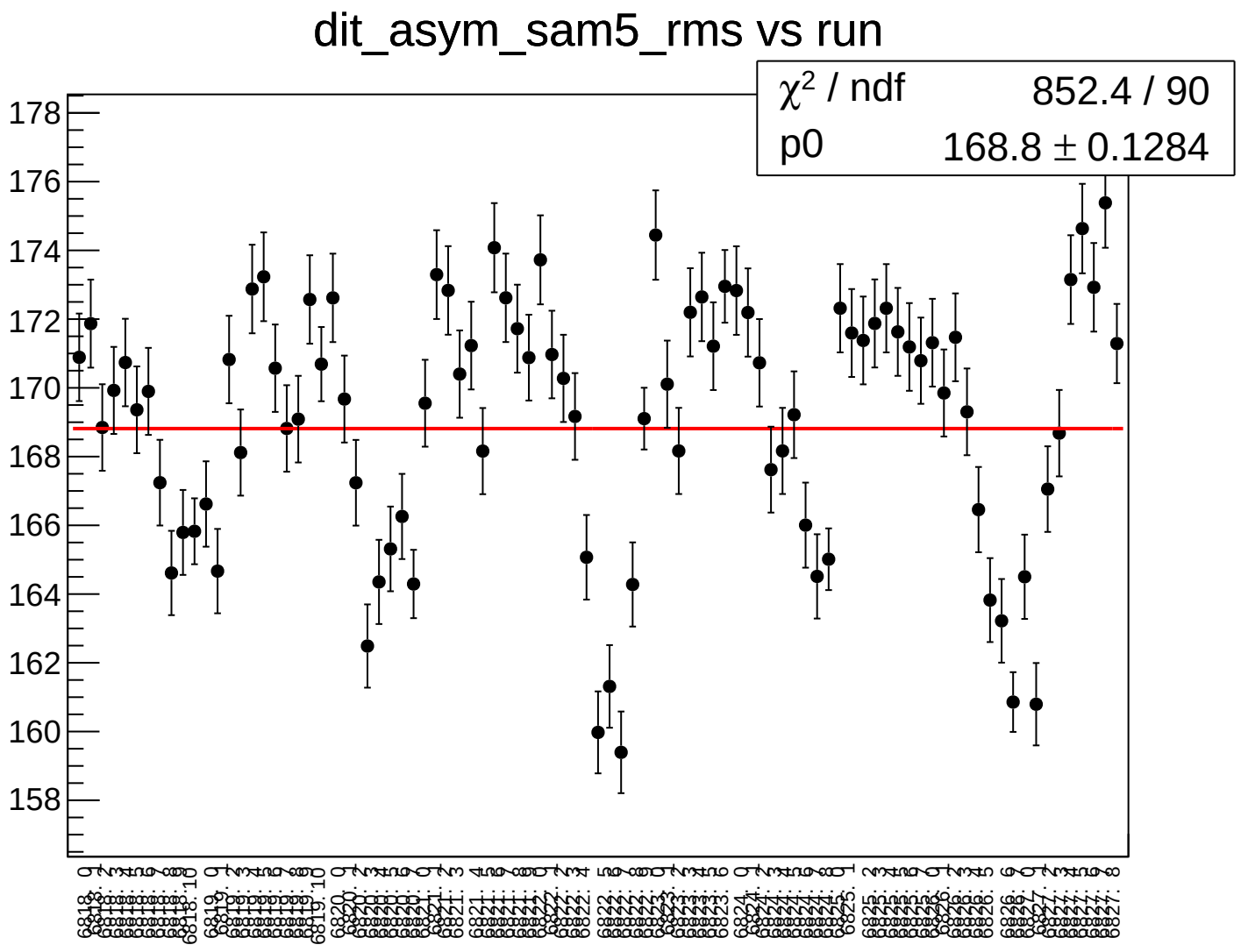

asym_sam4_mean vs run
χ² / ndf 75.47 / 90
p0 −109 ± 2098
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 91
Mean −284.1
Std Dev 315.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

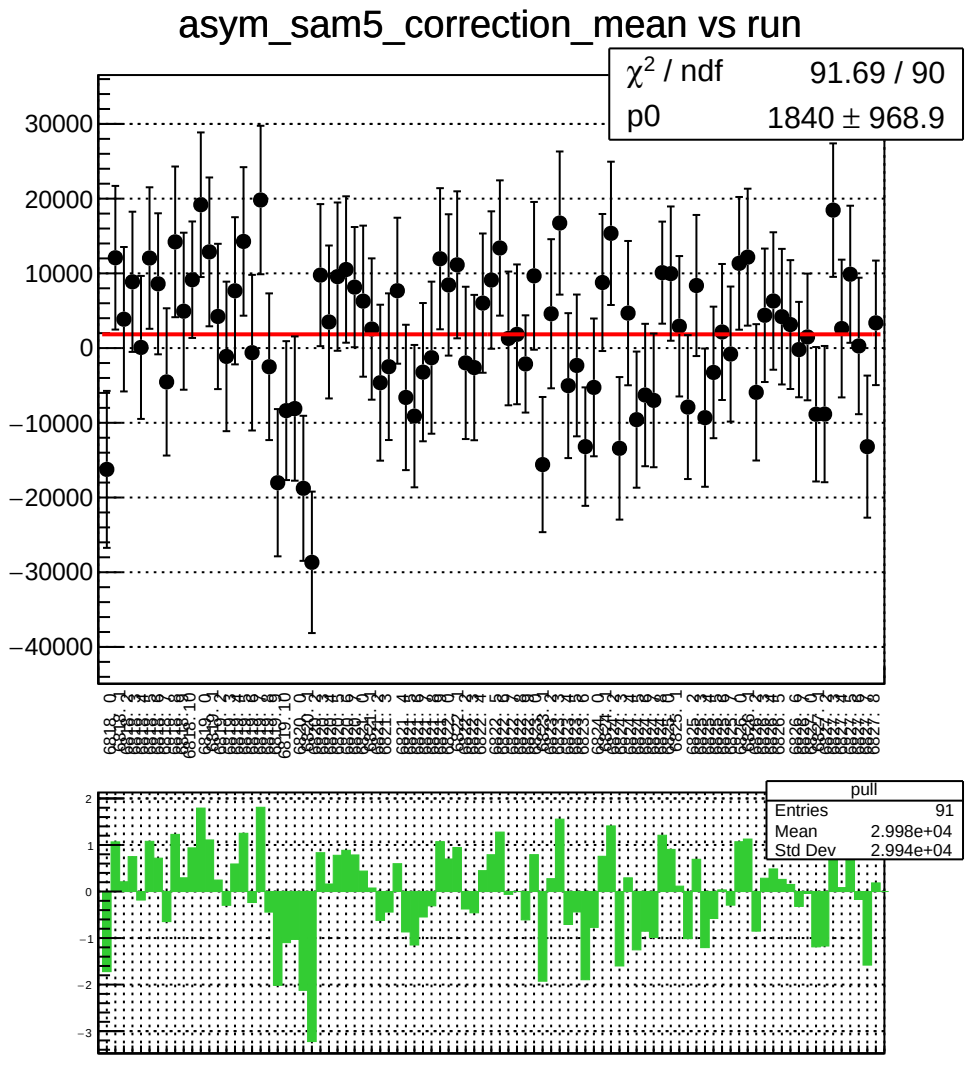

pull1D
Entries 91
Mean 0.003582
Std Dev 0.9107
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

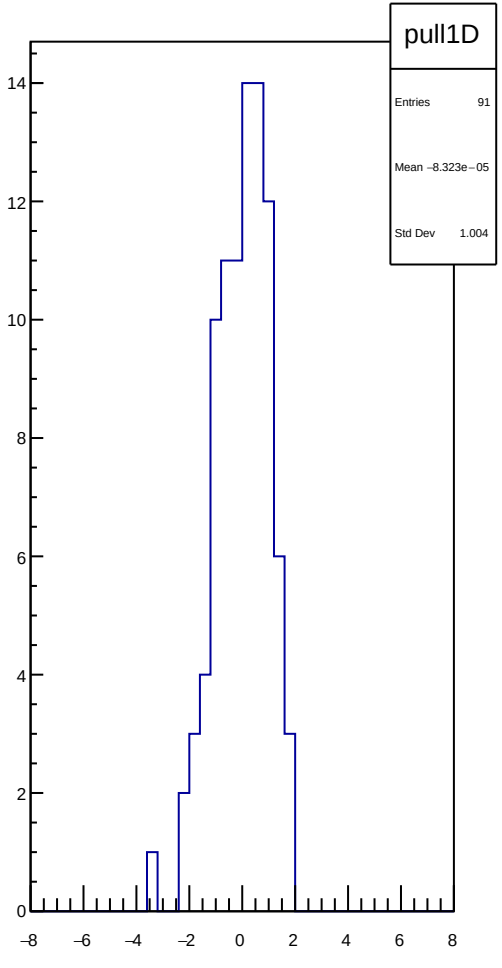

asym_sam4_rms vs run
χ² / ndf 2431 / 90
p0 1950 ± 1.484
2200
2100
2000
1900
1800

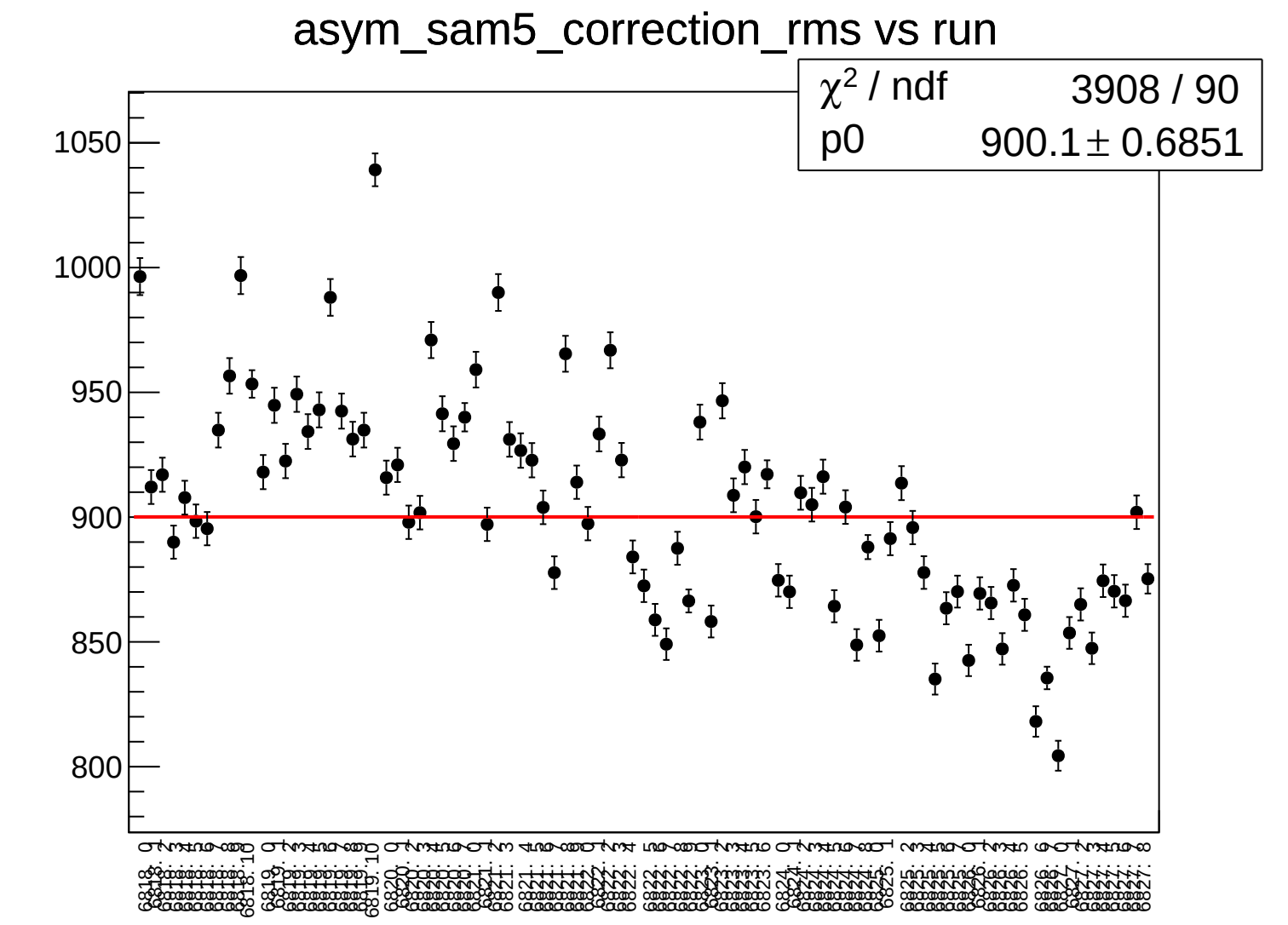

dit_asym_sam5_mean vs run
χ² / ndf 89.55 / 90
p0 −285.4 ± 181.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 91
Mean 154.4
Std Dev 118.4
3
2
1
0
−1
−2

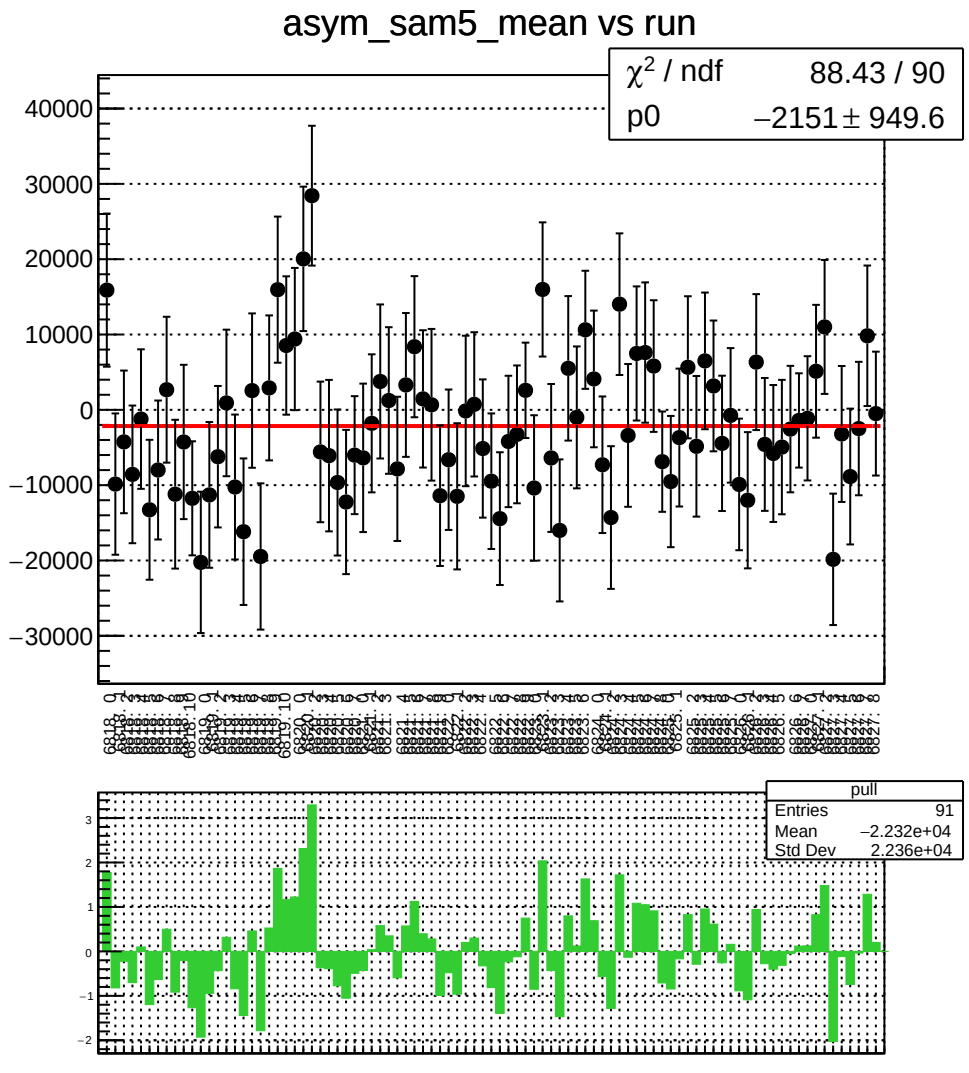

pull1D
Entries 91
Mean −0.008362
Std Dev 0.992
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

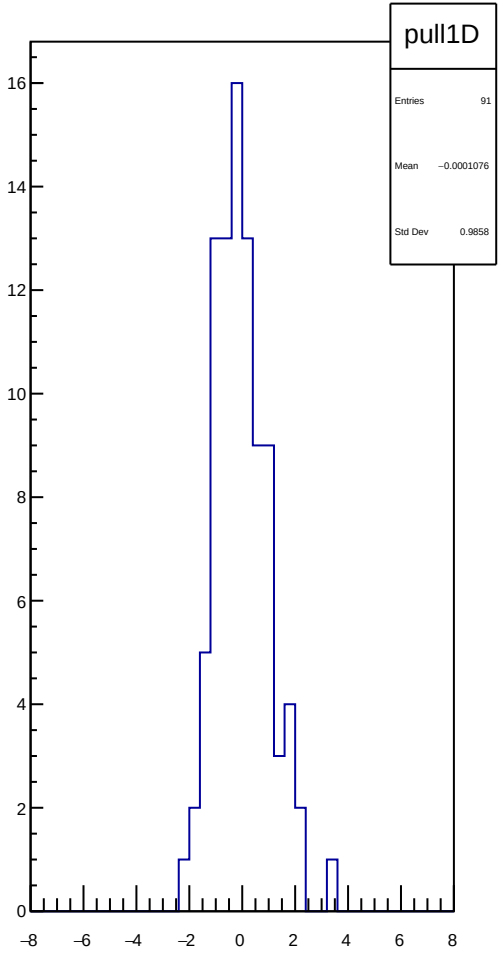

dit_asym_sam5_rms vs run
χ² / ndf 852.4 / 90
p0 168.8 ± 0.1284
178
176
174
172
170
168
166
164
162
160
158

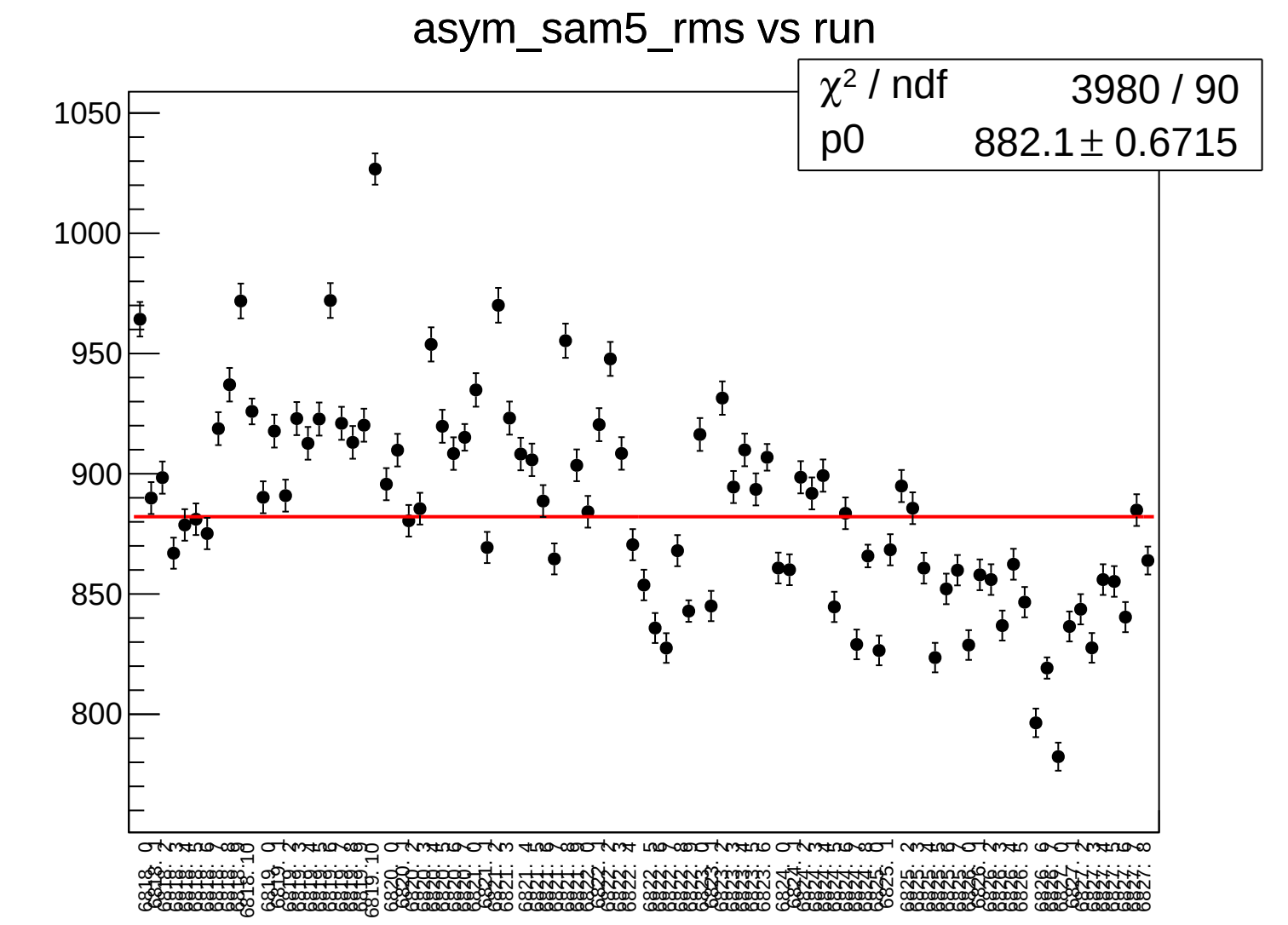

asym_sam5_correction_mean vs run
χ² / ndf 91.69 / 90
p0 1840 ± 968.9
pull
Entries 91
Mean 2.998e+04
Std Dev 2.994e+04

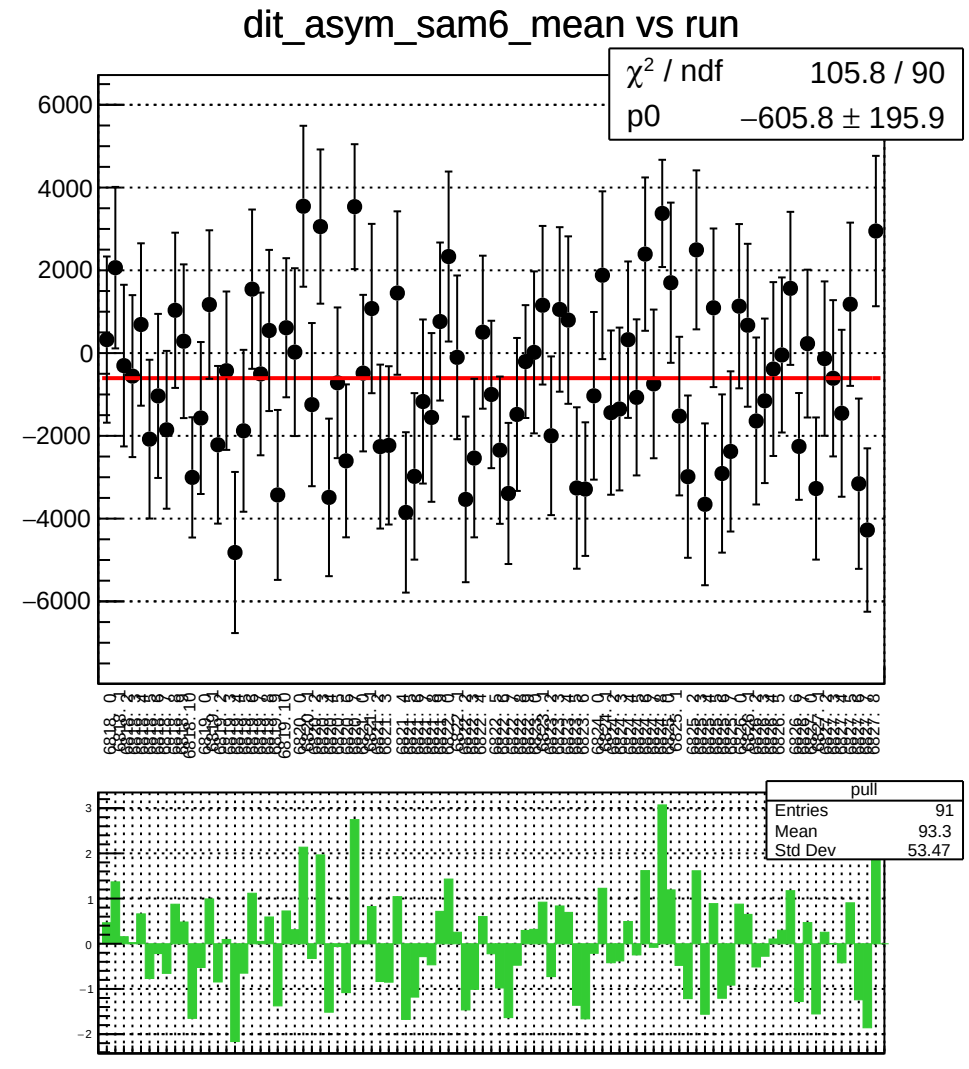

pull1D
Entries 91
Mean −8.323e−05
Std Dev 1.004

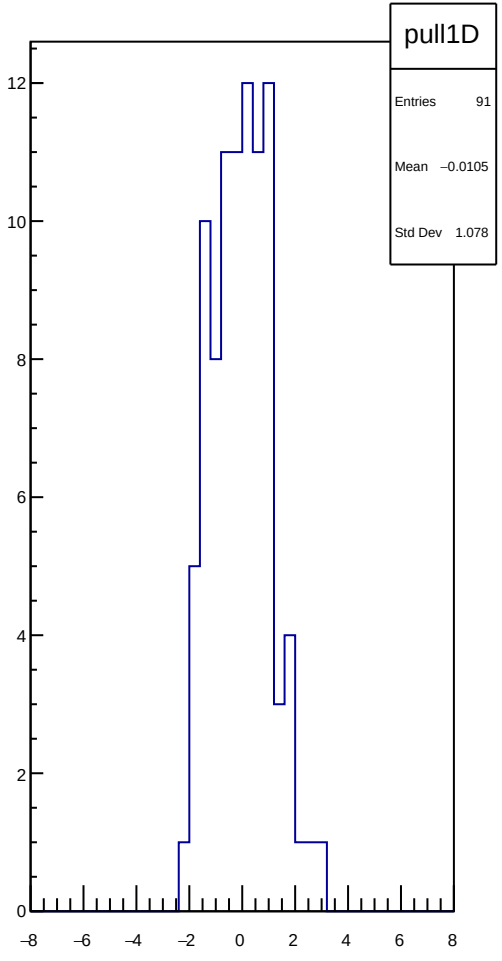

asym_sam5_correction_rms vs run
χ² / ndf 3908 / 90
p0 900.1 ± 0.6851
1050
1000
950
900
850
800

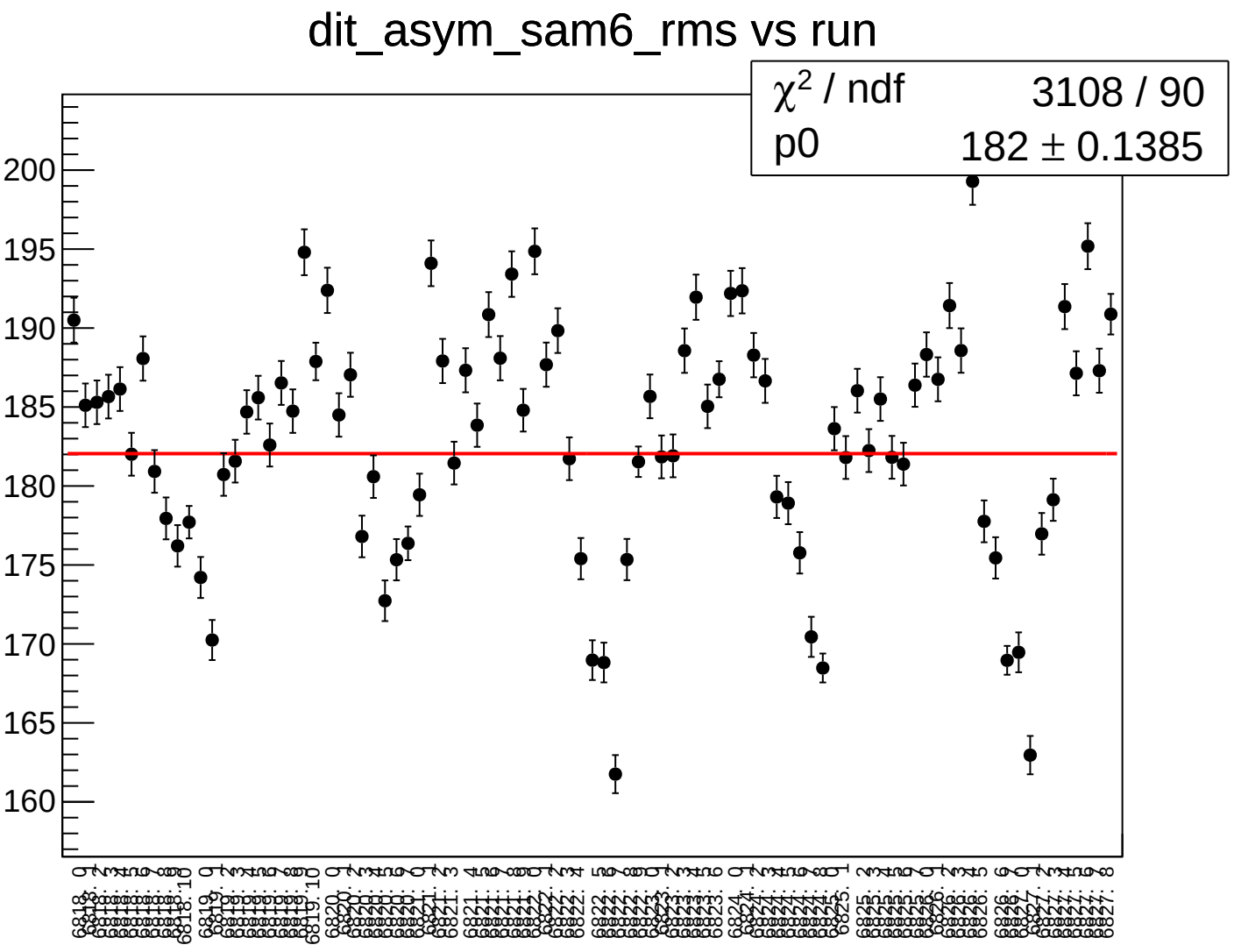

asym_sam5_mean vs run
χ² / ndf 88.43 / 90
p0 −2151 ± 949.6
pull
Entries 91
Mean −2.232e+04
Std Dev 2.236e+04

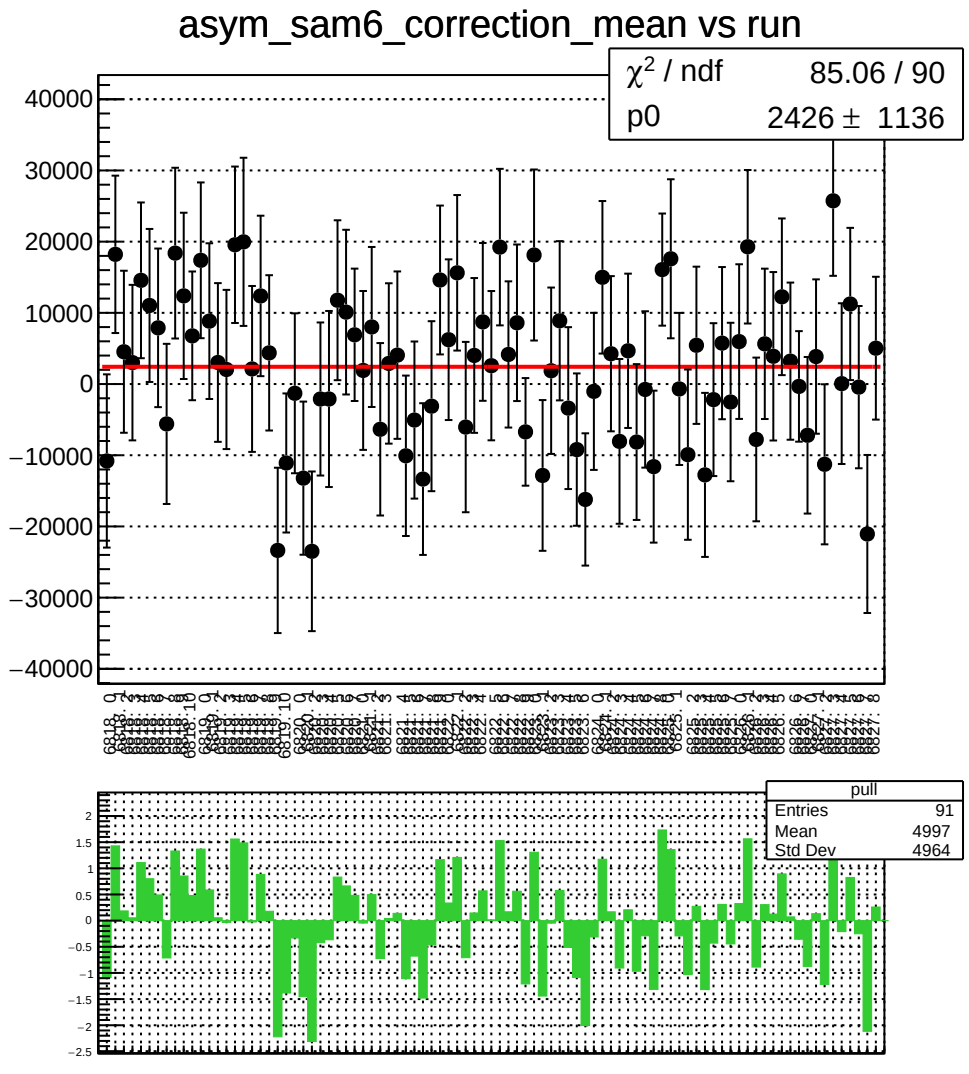

pull1D
Entries 91
Mean −0.0001076
Std Dev 0.9858

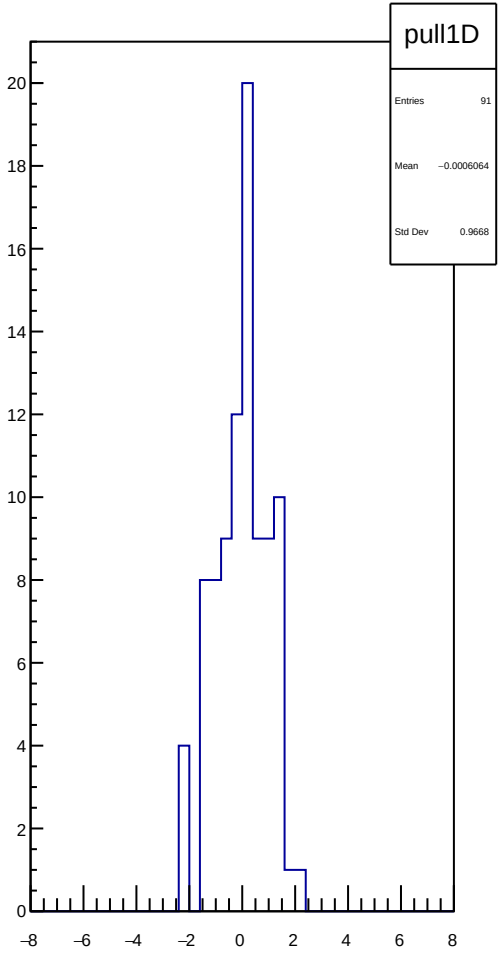

asym_sam5_rms vs run
χ² / ndf 3980 / 90
p0 882.1 ± 0.6715
1050
1000
950
900
850
800

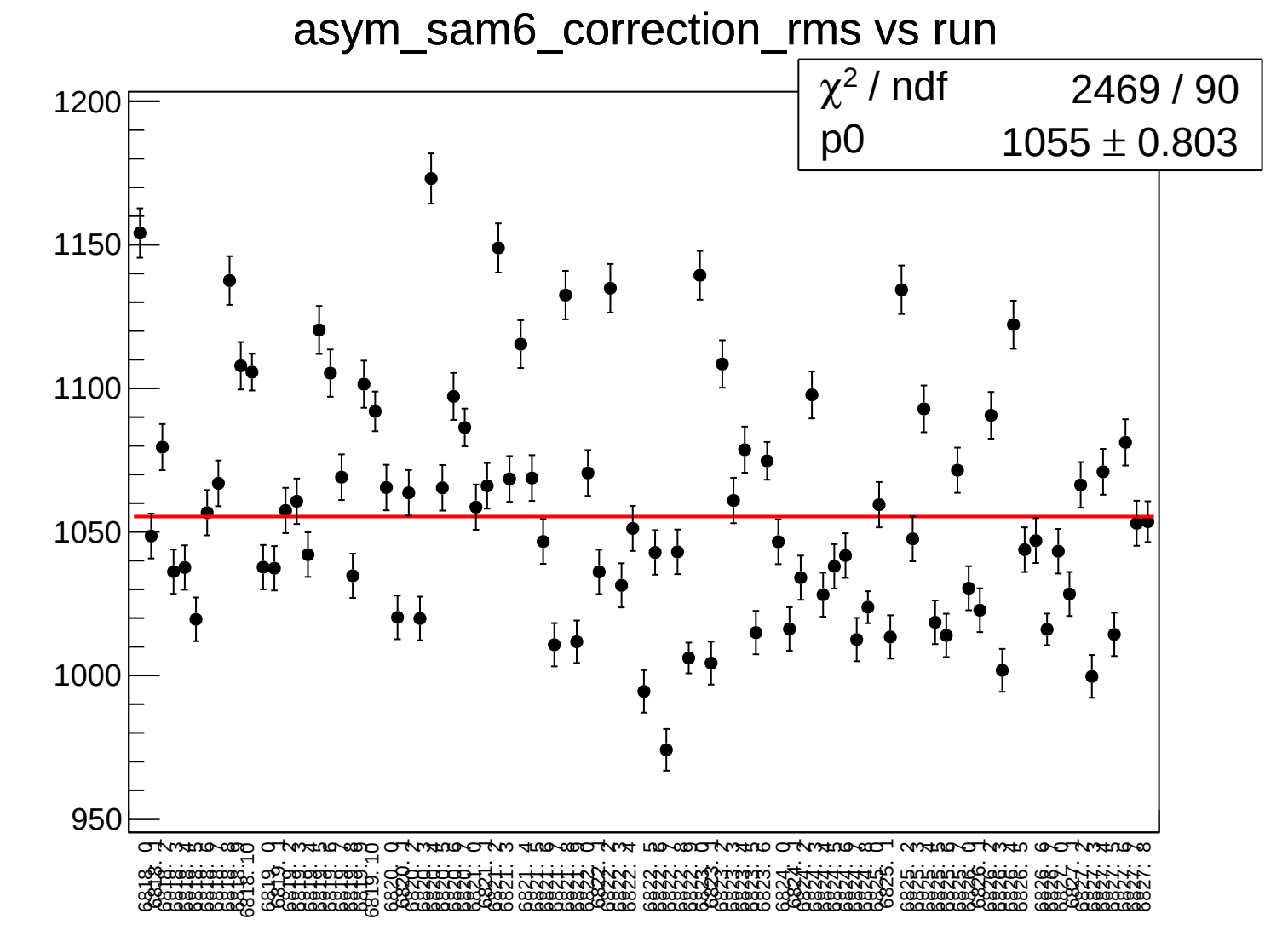

dit_asym_sam6_mean vs run
χ² / ndf 105.8 / 90
p0 −605.8 ± 195.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 91
Mean 93.3
Std Dev 53.47
3
2
1
0
−1
−2

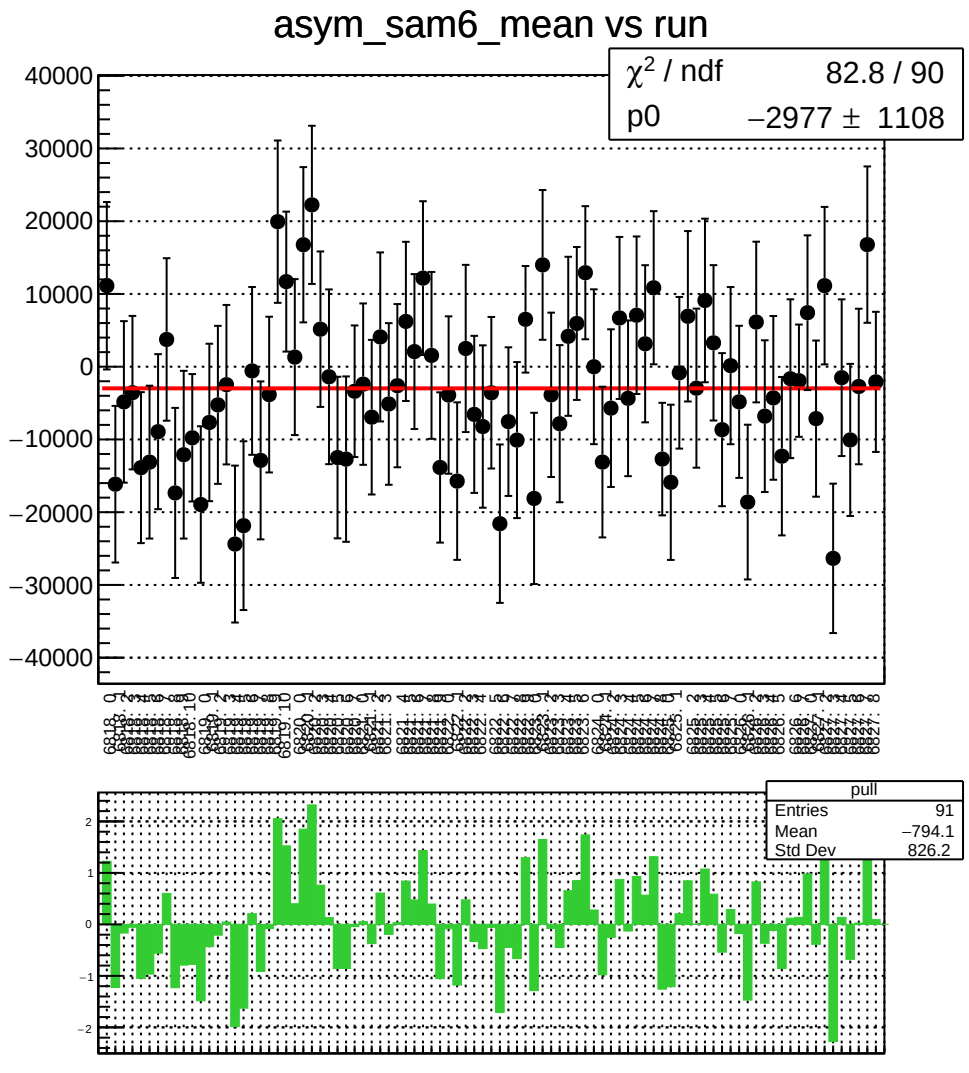

pull1D
Entries 91
Mean −0.0105
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

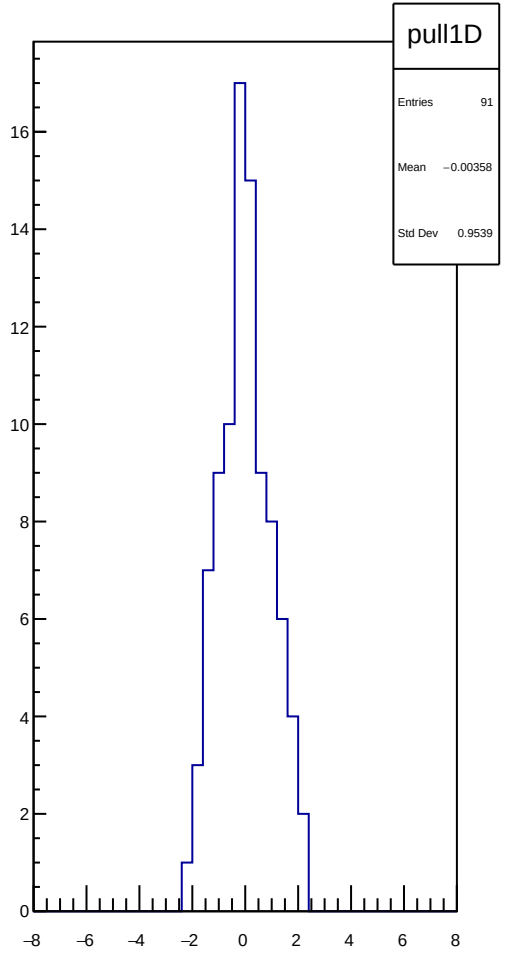

dit_asym_sam6_rms vs run
χ^2 / ndf 3108 / 90
p0 182 ± 0.1385
200
195
190
185
180
175
170
165
160

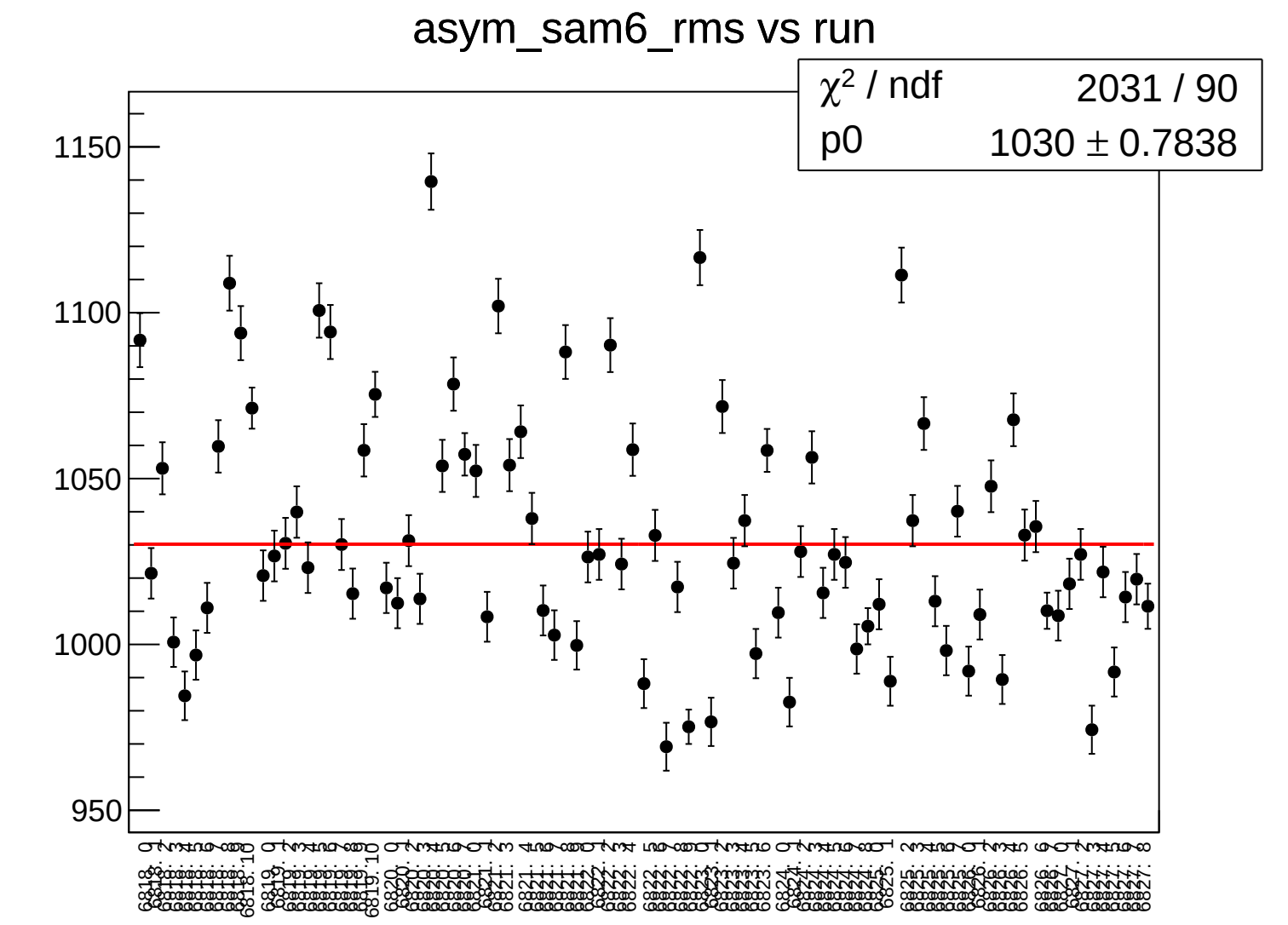

asym_sam6_correction_mean vs run
χ² / ndf 85.06 / 90
p0 2426 ± 1136
pull
Entries 91
Mean 4997
Std Dev 4964

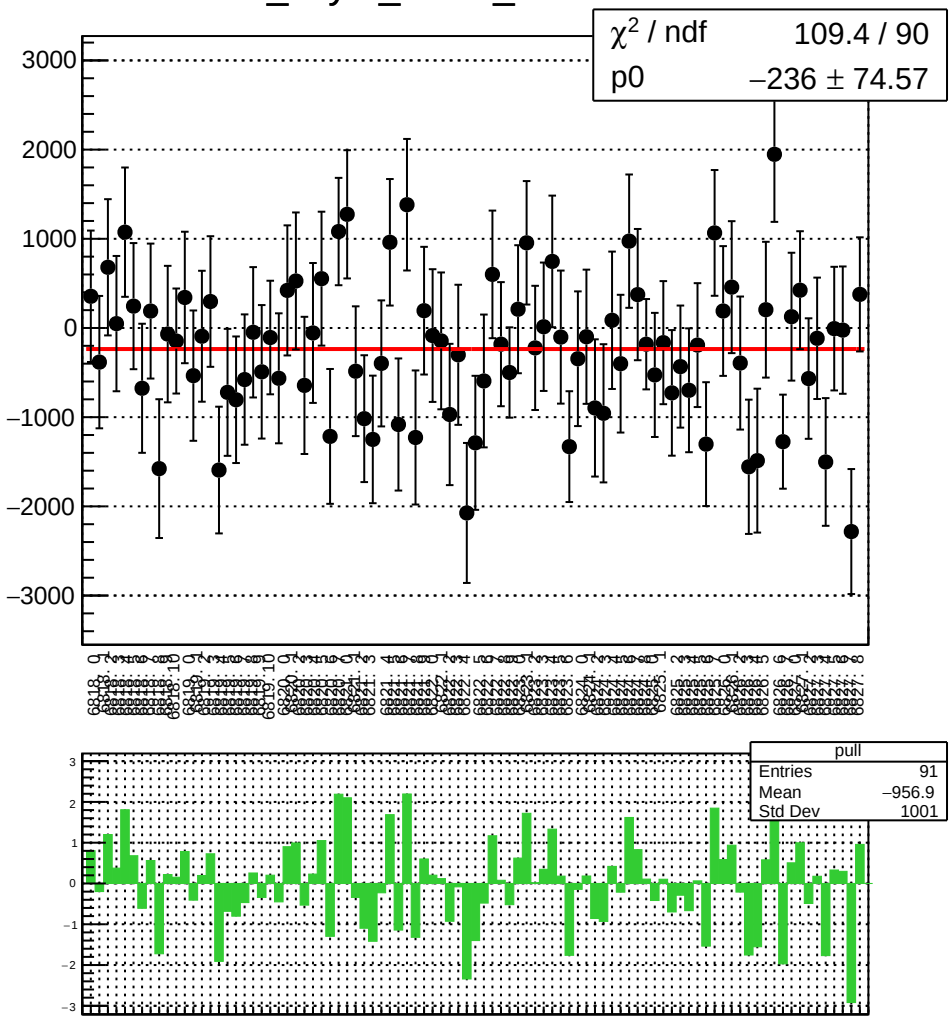

pull1D
Entries 91
Mean −0.0006064
Std Dev 0.9668

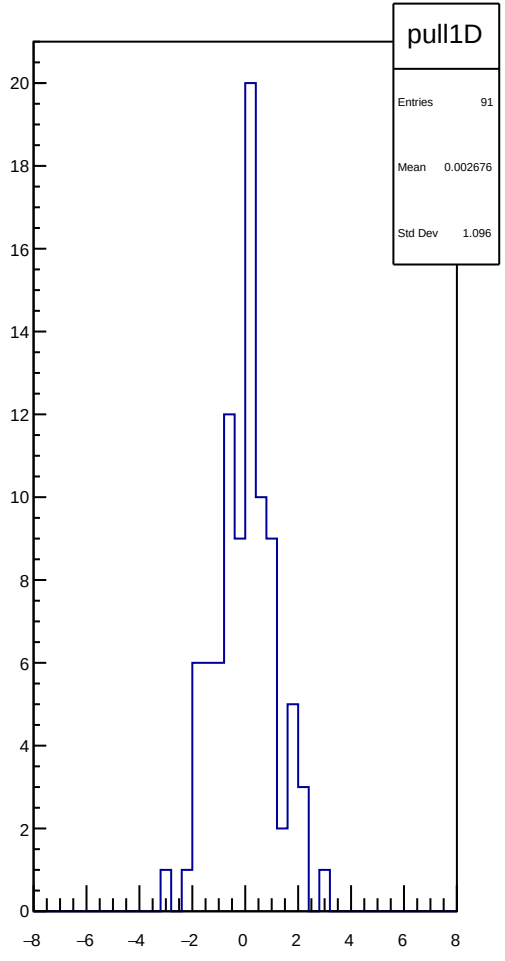

asym_sam6_correction_rms vs run
χ² / ndf 2469 / 90
p0 1055 ± 0.803
1200
1150
1100
1050
1000
950

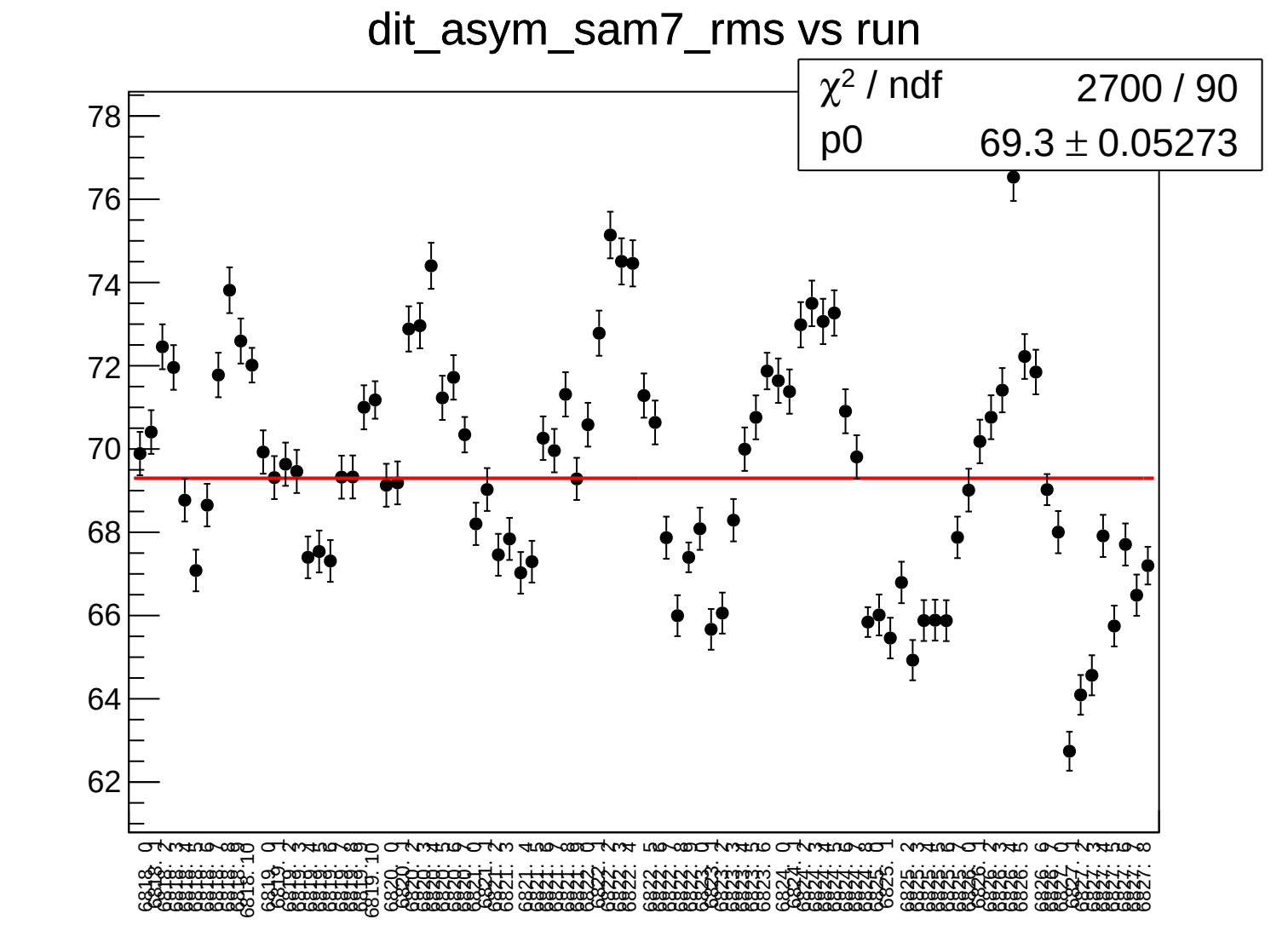

asym_sam6_mean vs run
χ² / ndf 82.8 / 90
p0 −2977 ± 1108
pull
Entries 91
Mean −794.1
Std Dev 826.2

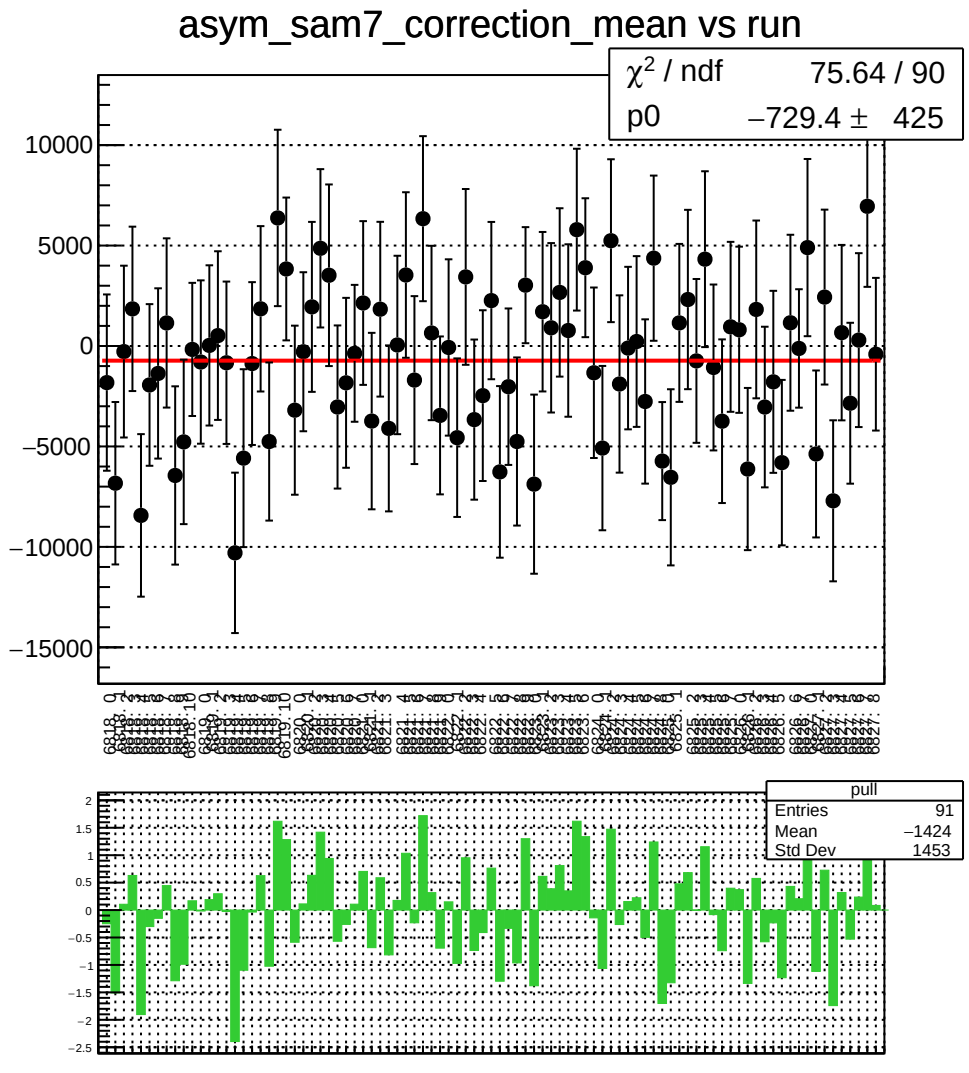

pull1D
Entries 91
Mean −0.00358
Std Dev 0.9539

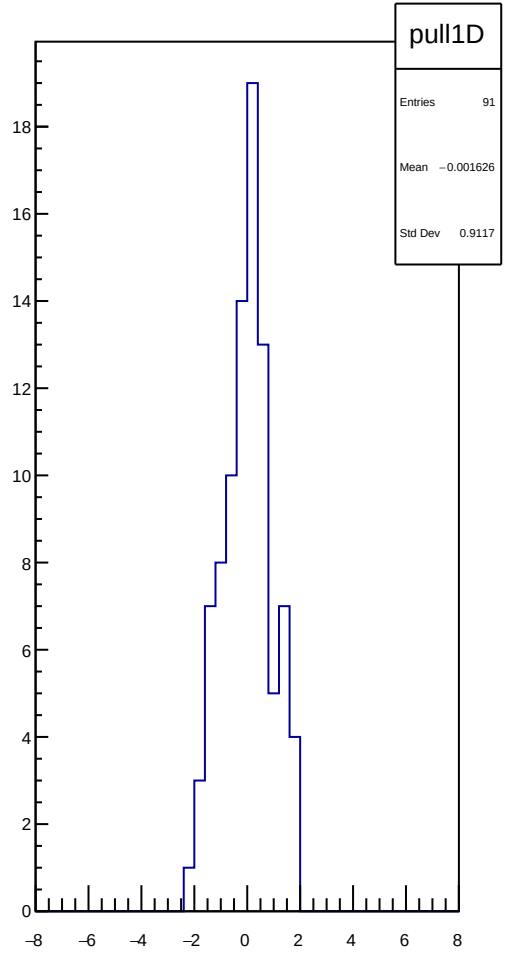

asym_sam6_rms vs run
χ^2 / ndf 2031 / 90
p0 1030 ± 0.7838
1150
1100
1050
1000
950

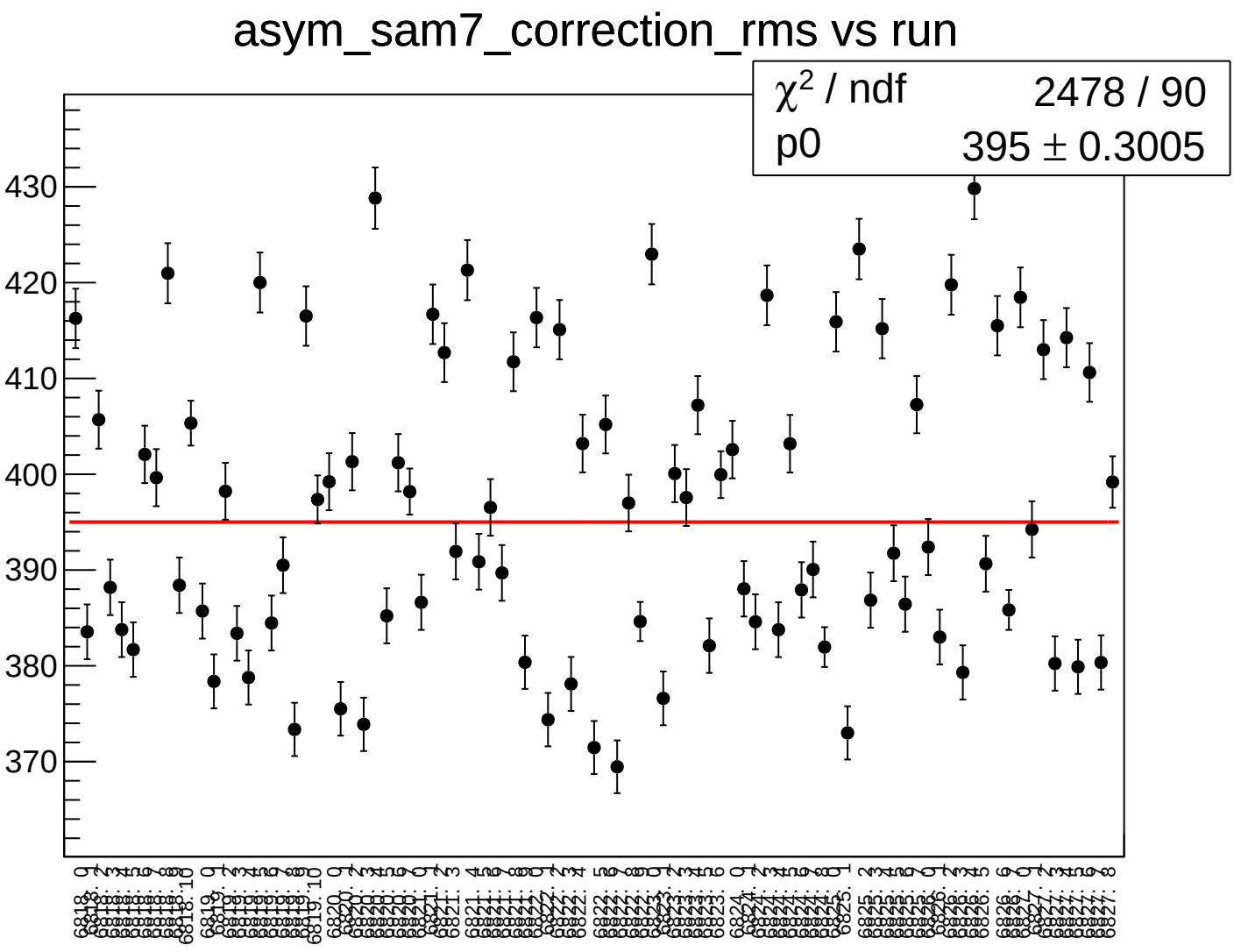

dit_asym_sam7_mean vs run
χ² / ndf 109.4 / 90
p0 −236 ± 74.57
pull
Entries 91
Mean −956.9
Std Dev 1001

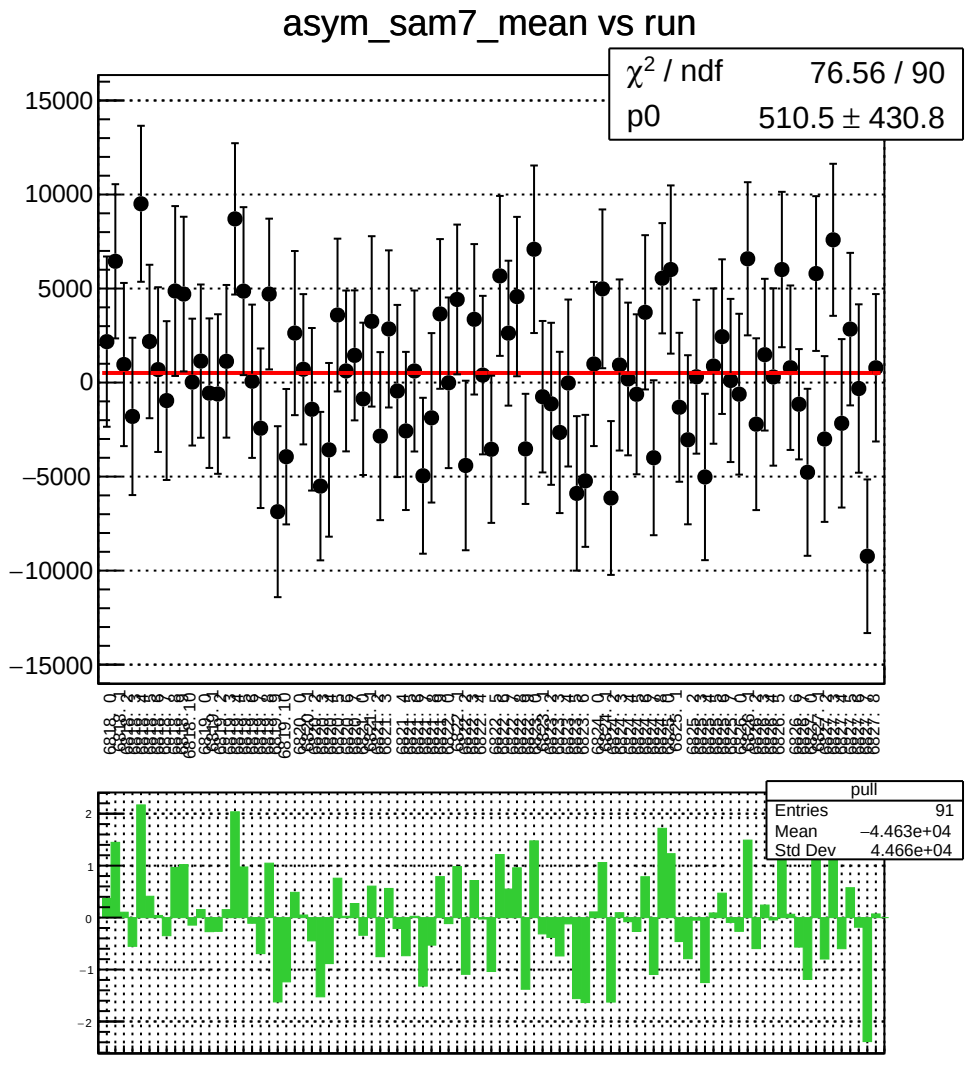

pull1D
Entries 91
Mean 0.002676
Std Dev 1.096

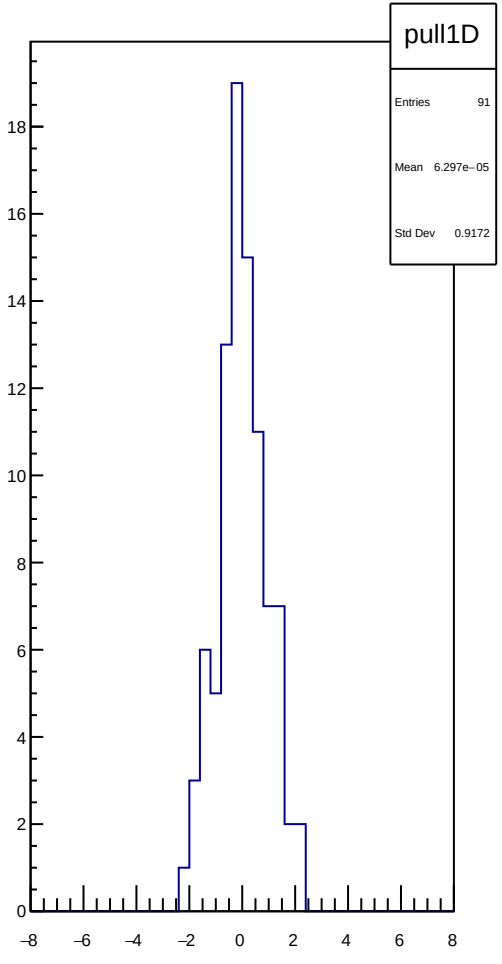

dit_asym_sam7_rms vs run
χ^2 / ndf 2700 / 90
p0 69.3 ± 0.05273
78
76
74
72
70
68
66
64
62

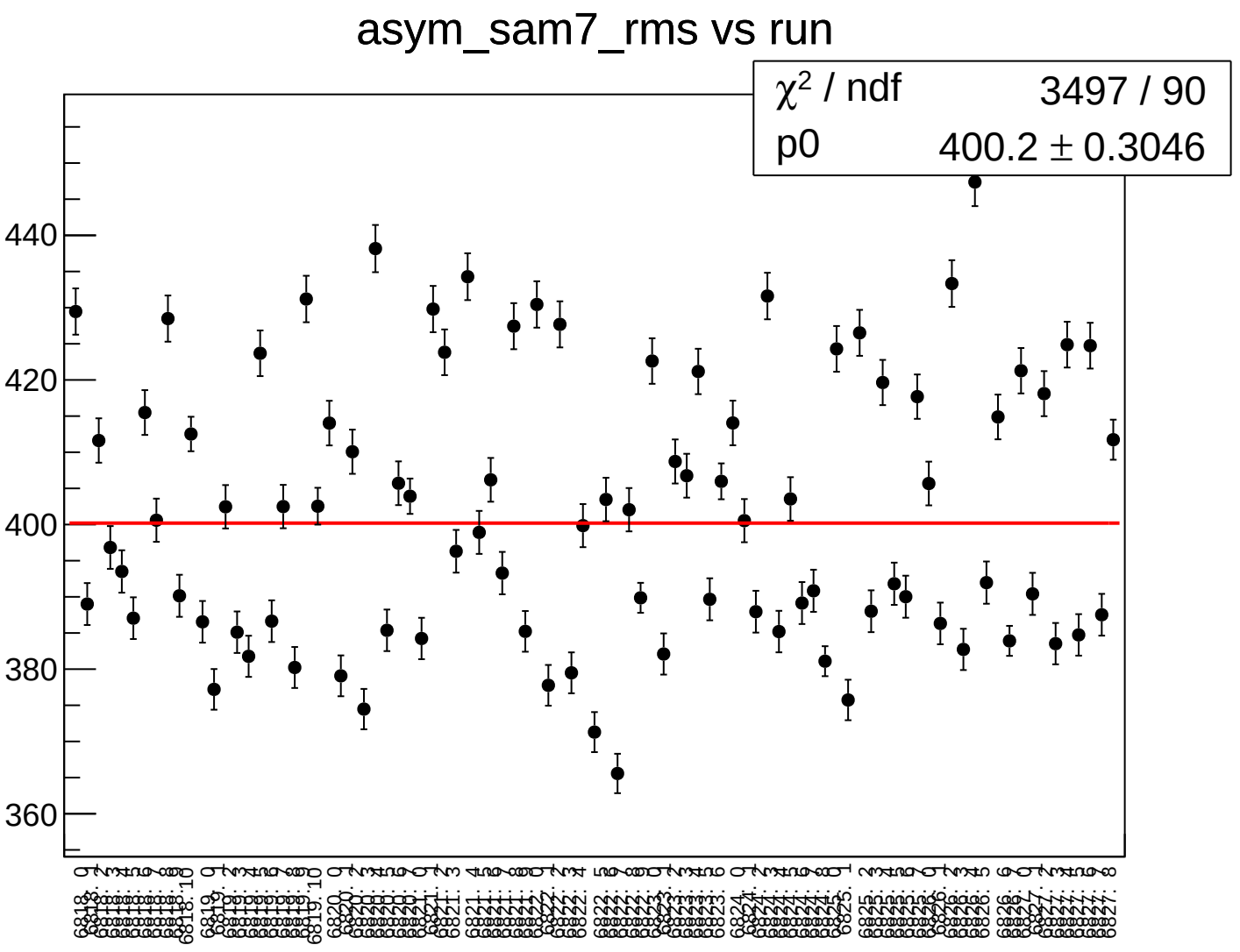

asym_sam7_correction_mean vs run
χ² / ndf 75.64 / 90
p0 −729.4 ± 425
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean −1424
Std Dev 1453
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

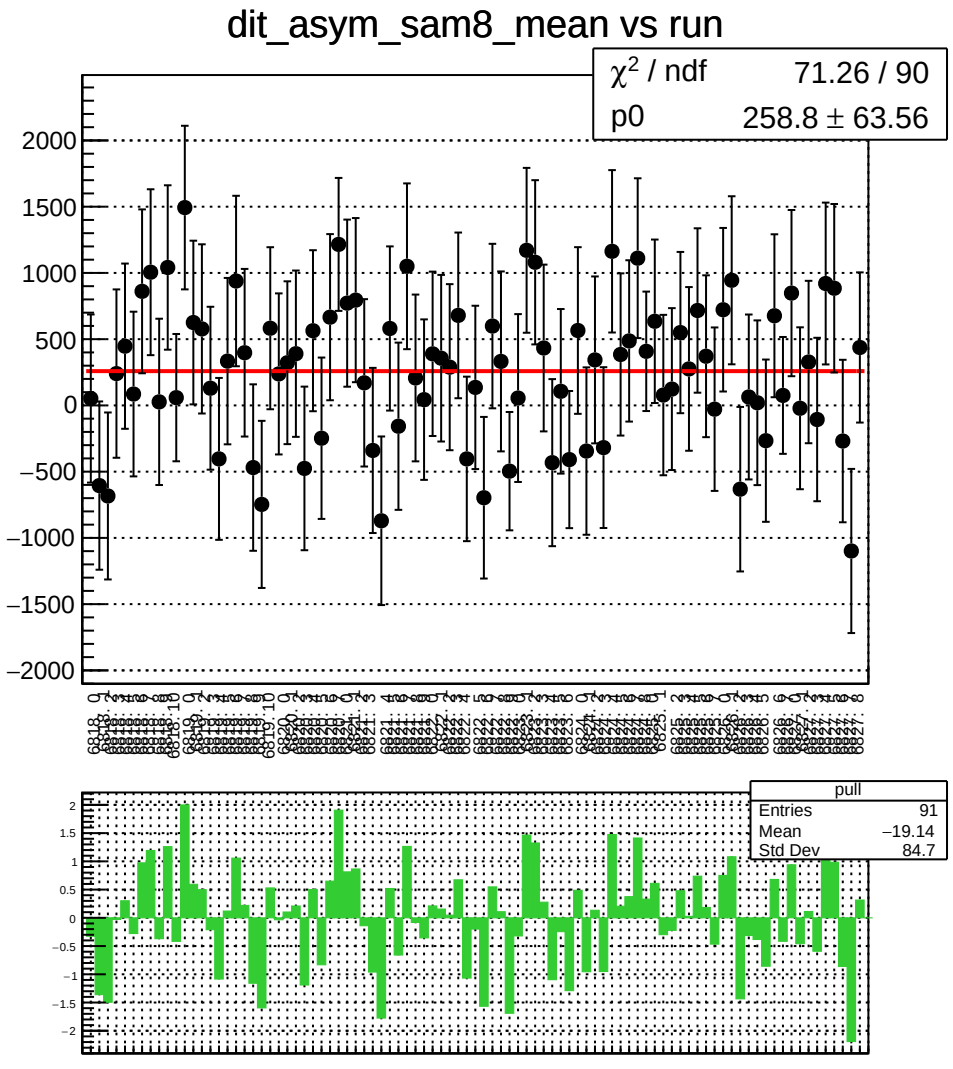

pull1D
Entries 91
Mean −0.001626
Std Dev 0.9117
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

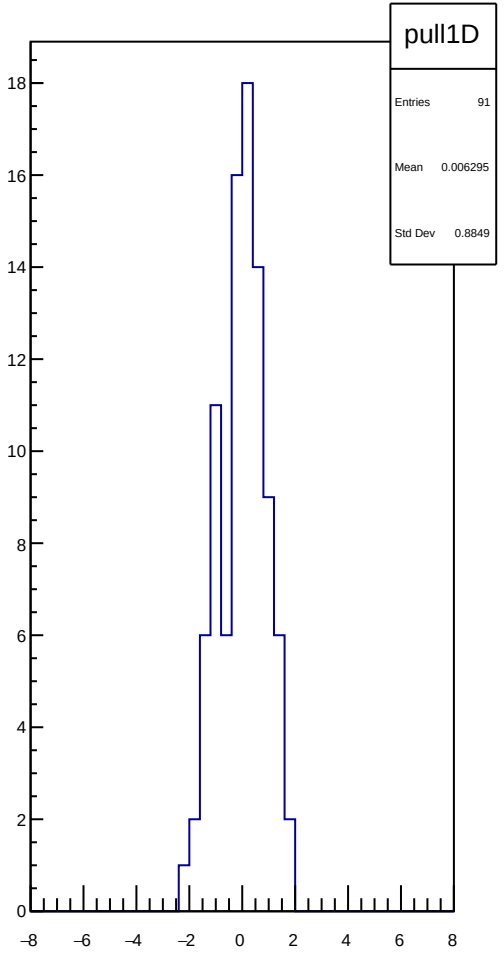

asym_sam7_correction_rms vs run
χ² / ndf 2478 / 90
p0 395 ± 0.3005
430
420
410
400
390
380
370

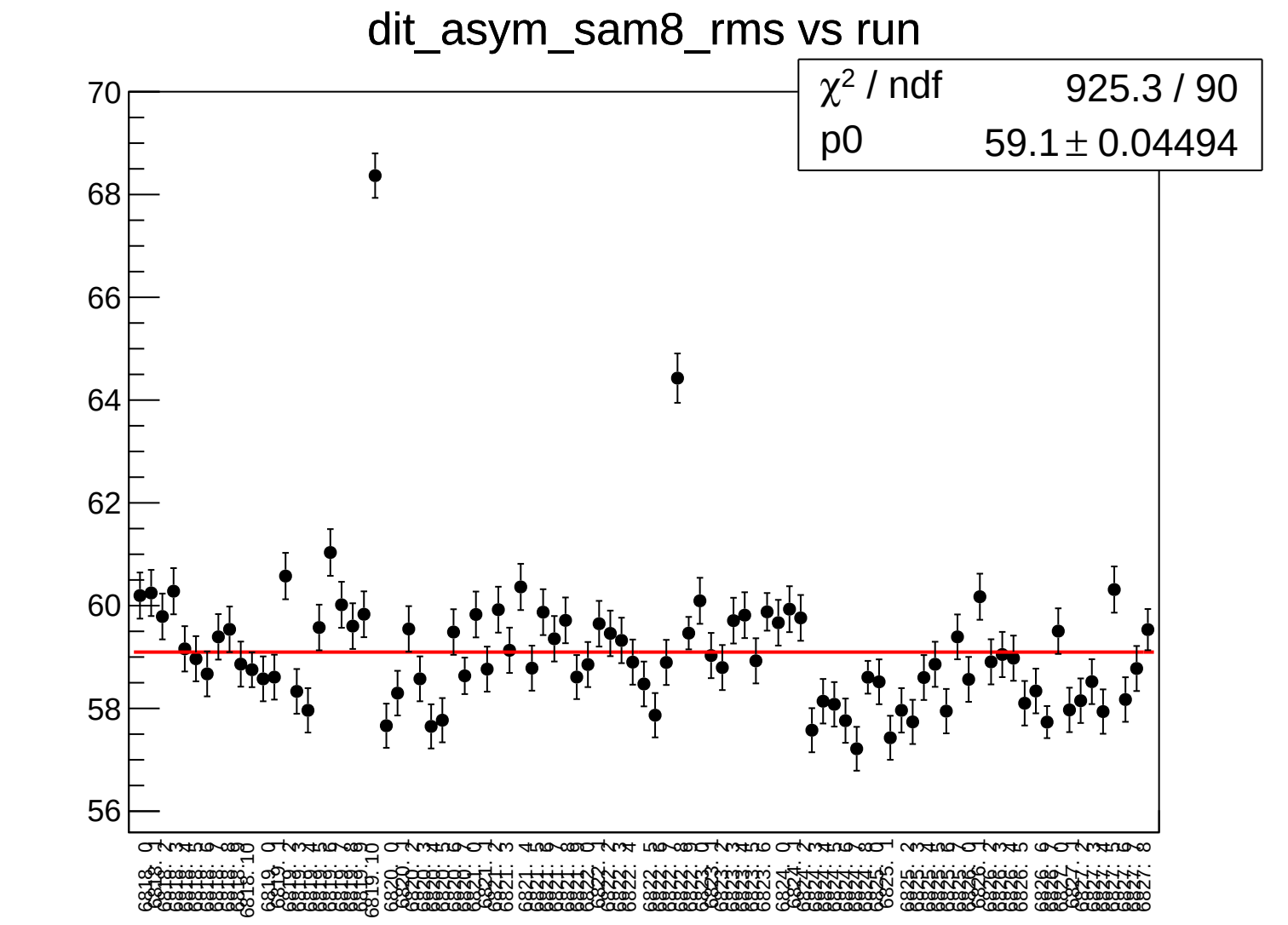

asym_sam7_mean vs run
χ² / ndf 76.56 / 90
p0 510.5 ± 430.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean −4.463e+04
Std Dev 4.466e+04
2
1
0
−1
−2

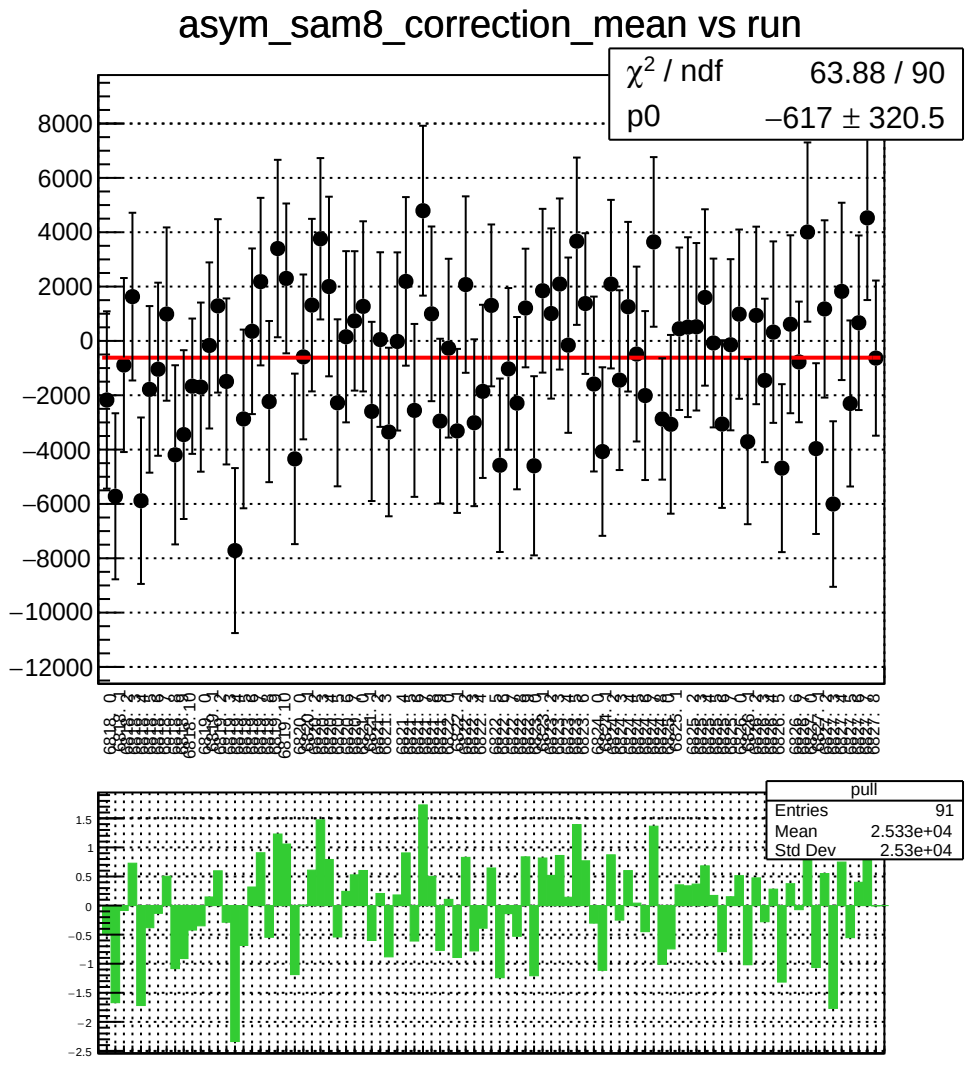

pull1D
Entries 91
Mean 6.297e−05
Std Dev 0.9172
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

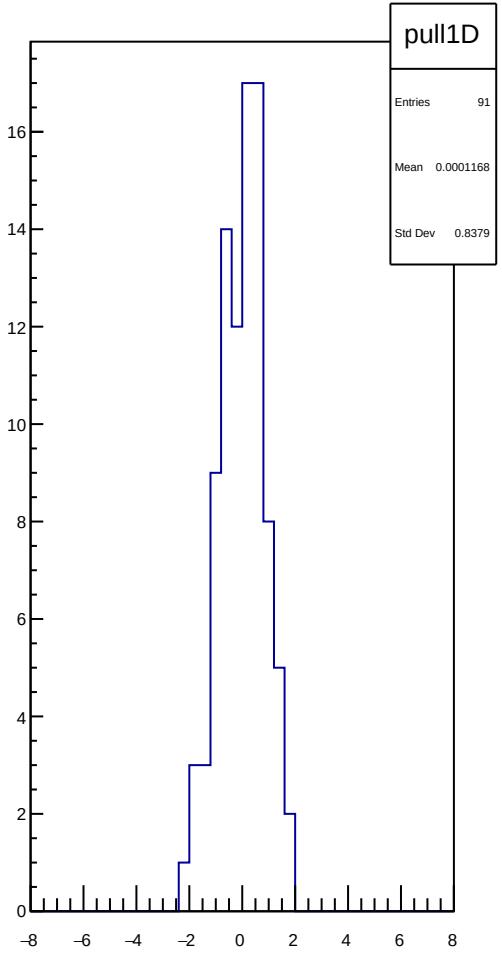

asym_sam7_rms vs run
χ² / ndf 3497 / 90
p0 400.2 ± 0.3046
440
420
400
380
360

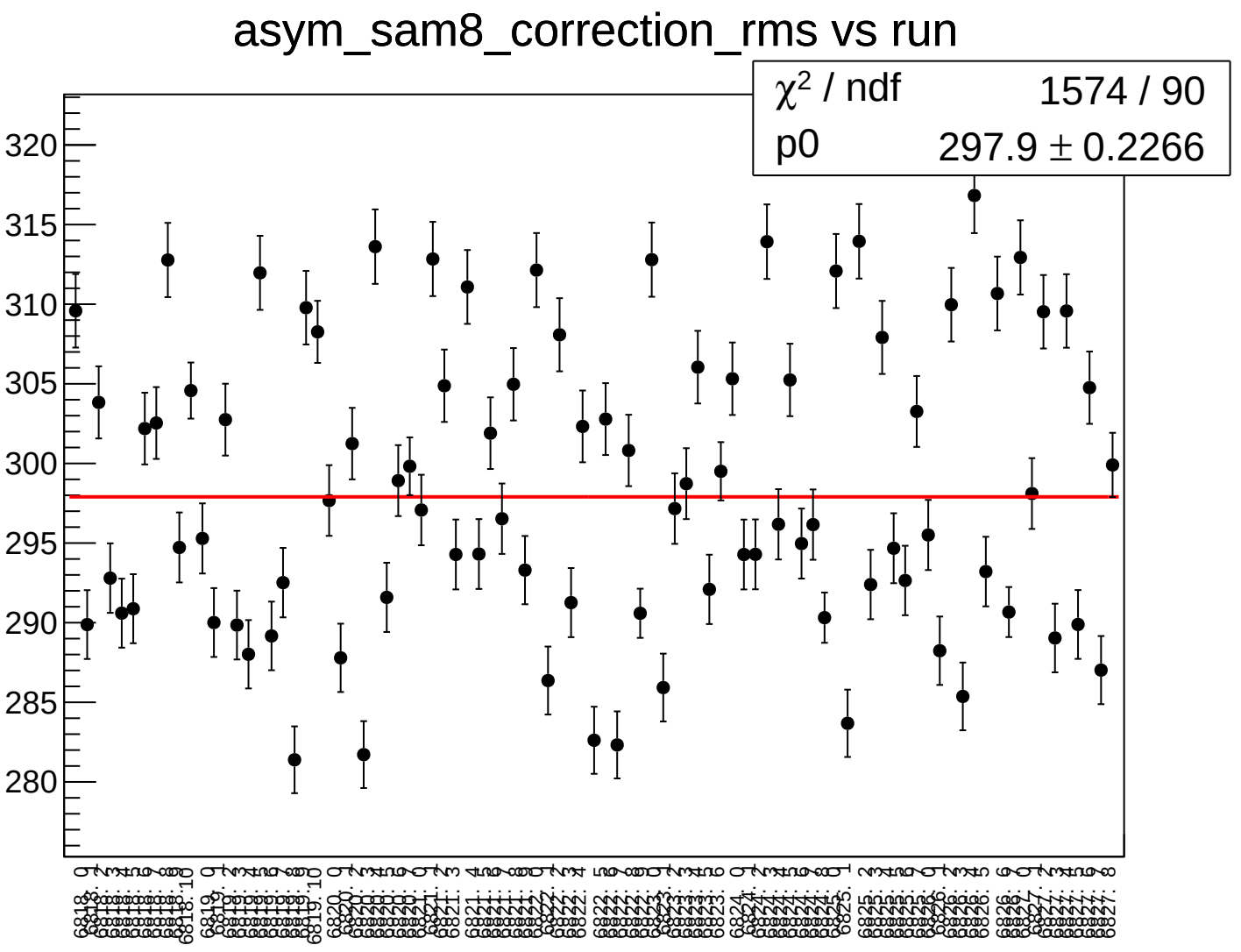

dit_asym_sam8_mean vs run
χ² / ndf 71.26 / 90
p0 258.8 ± 63.56
pull
Entries 91
Mean −19.14
Std Dev 84.7

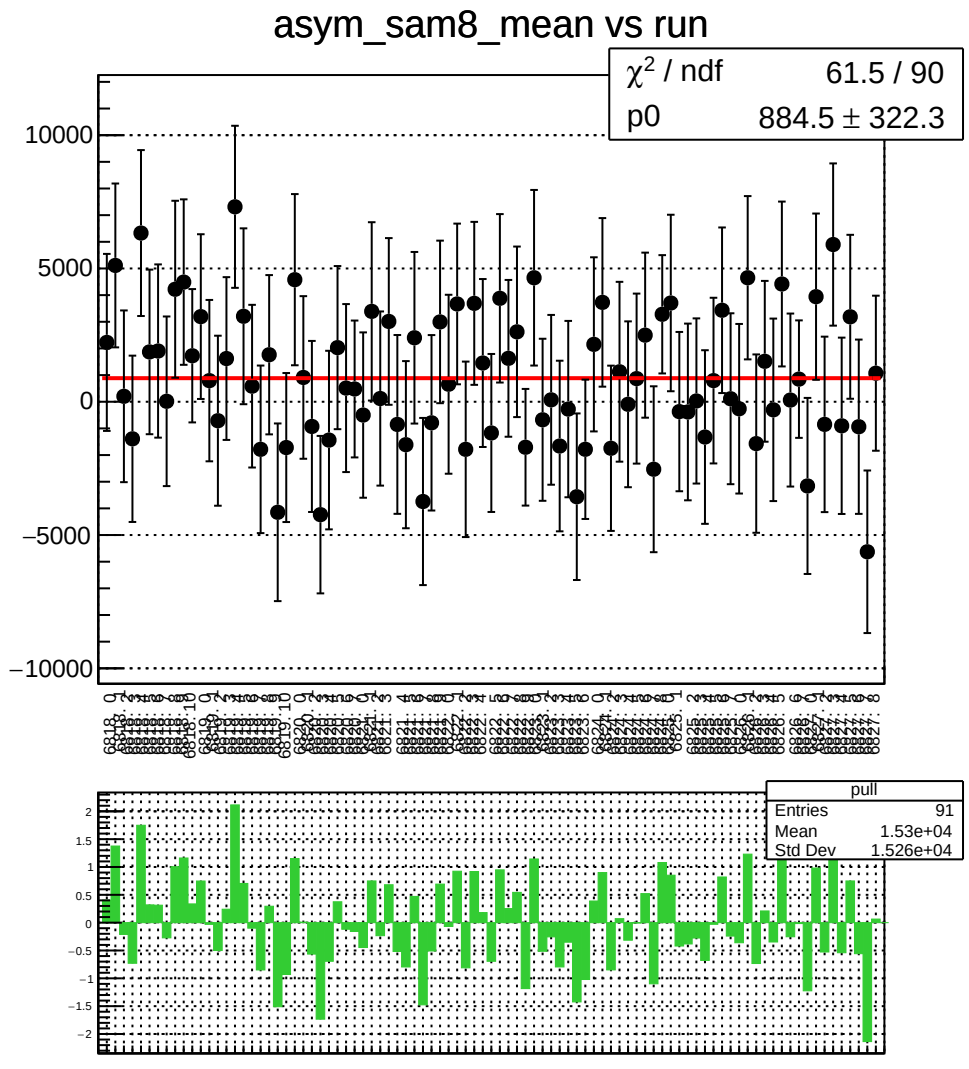

pull1D
Entries 91
Mean 0.006295
Std Dev 0.8849

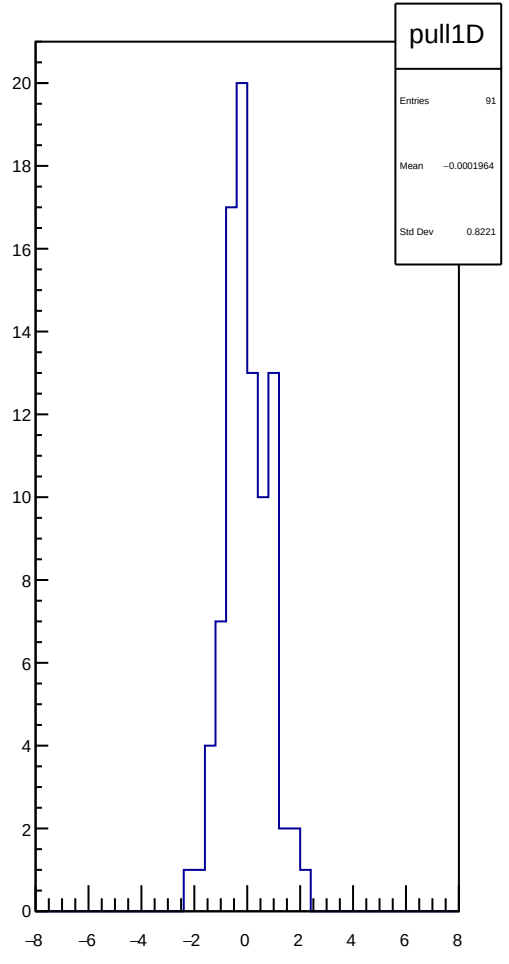

dit_asym_sam8_rms vs run
χ^2 / ndf 925.3 / 90
p0 59.1 ± 0.04494
70
68
66
64
62
60
58
56

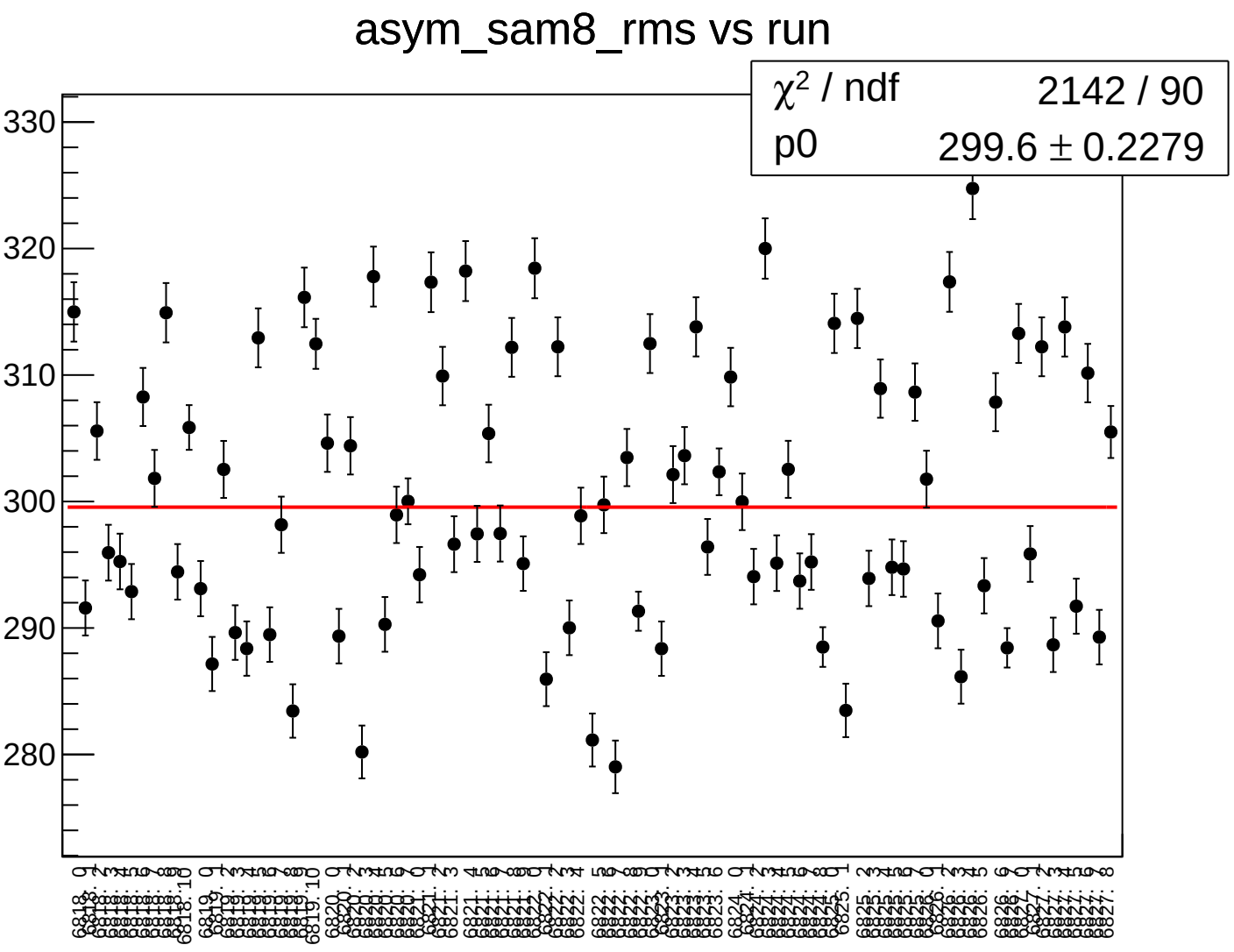

asym_sam8_correction_mean vs run
χ² / ndf 63.88 / 90
p0 −617 ± 320.5
pull
Entries 91
Mean 2.533e+04
Std Dev 2.53e+04

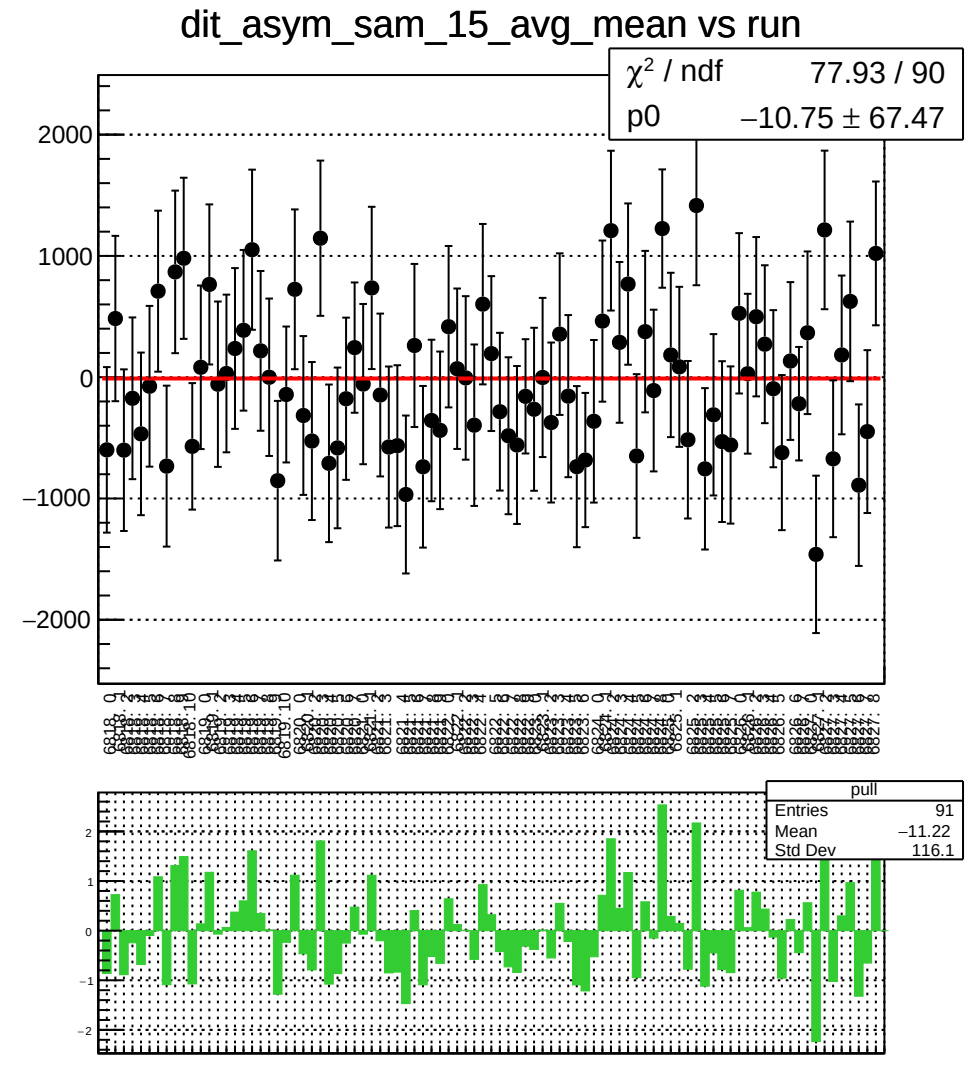

pull1D
Entries 91
Mean 0.0001168
Std Dev 0.8379

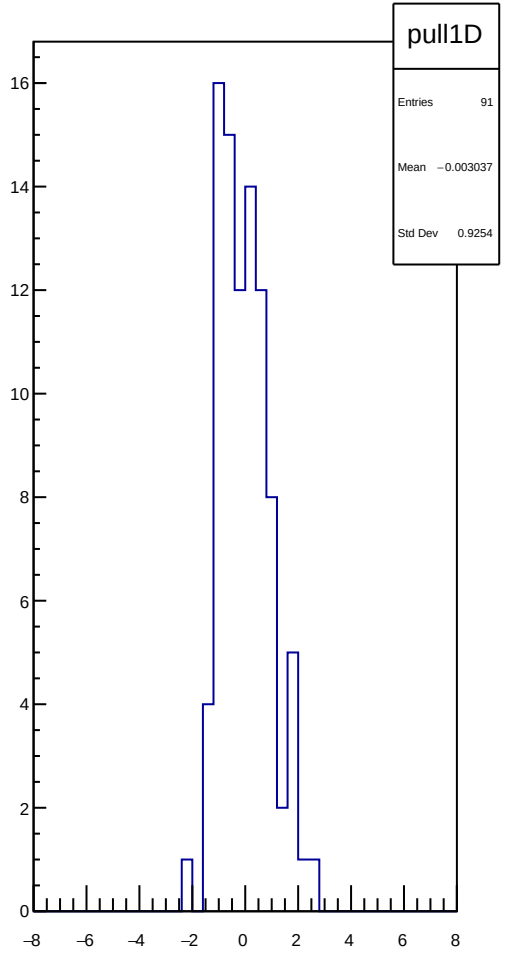

asym_sam8_correction_rms vs run
χ² / ndf 1574 / 90
p0 297.9 ± 0.2266
320
315
310
305
300
295
290
285
280

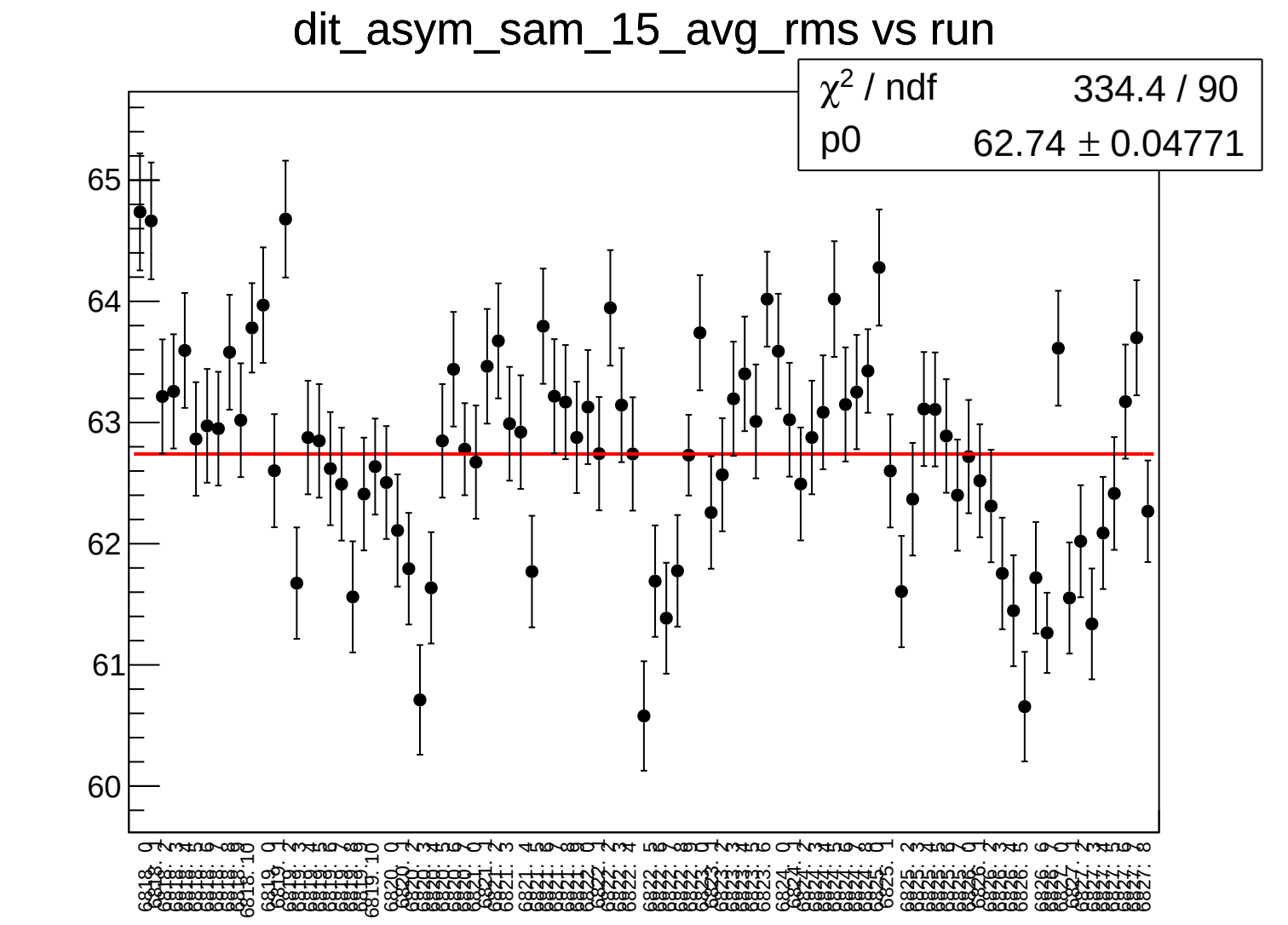

asym_sam8_mean vs run
χ² / ndf 61.5 / 90
p0 884.5 ± 322.3
10000
5000
0
−5000
−10000
pull
Entries 91
Mean 1.53e+04
Std Dev 1.526e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

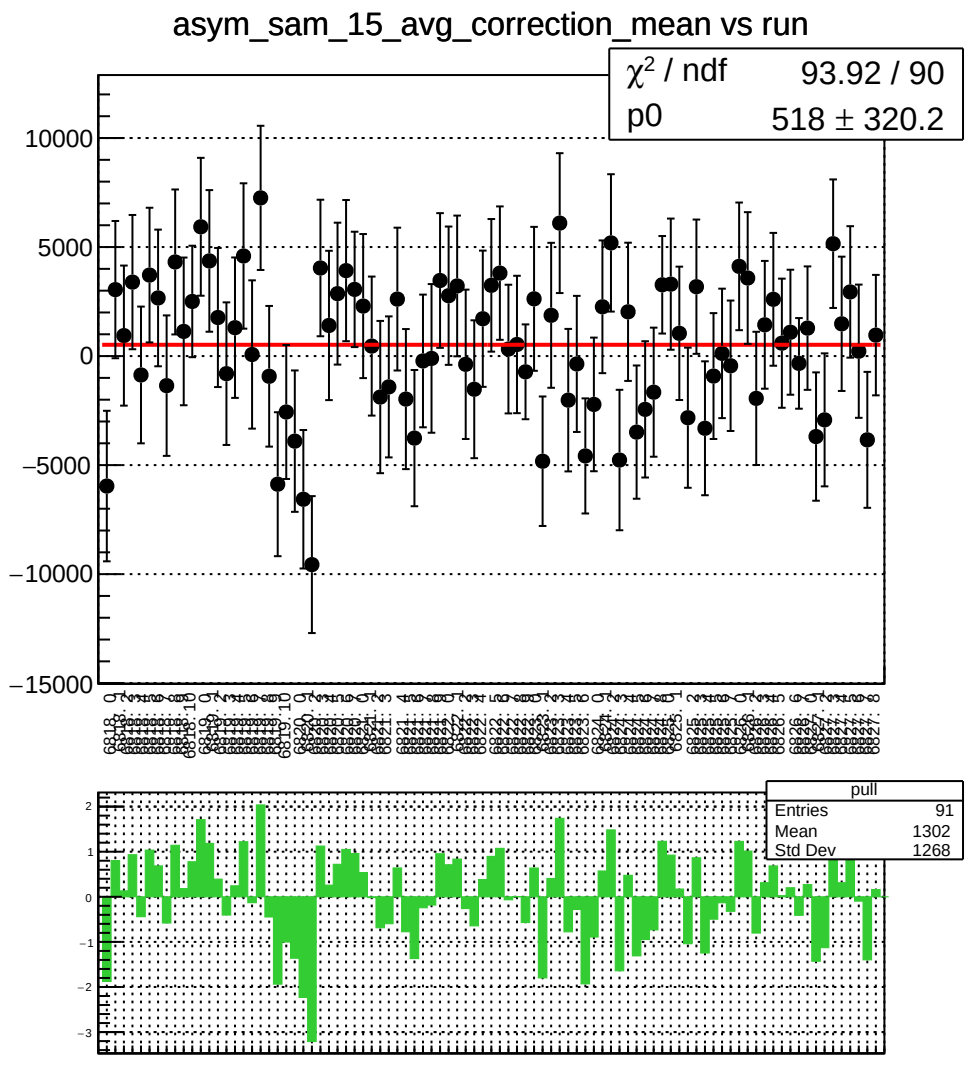

pull1D
Entries 91
Mean −0.0001964
Std Dev 0.8221
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

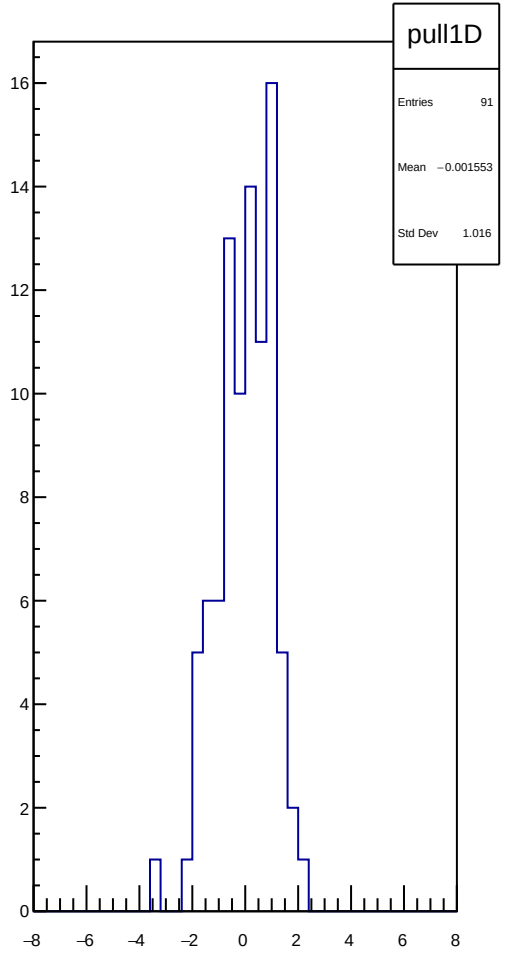

asym_sam8_rms vs run
χ² / ndf 2142 / 90
p0 299.6 ± 0.2279
330
320
310
300
290
280

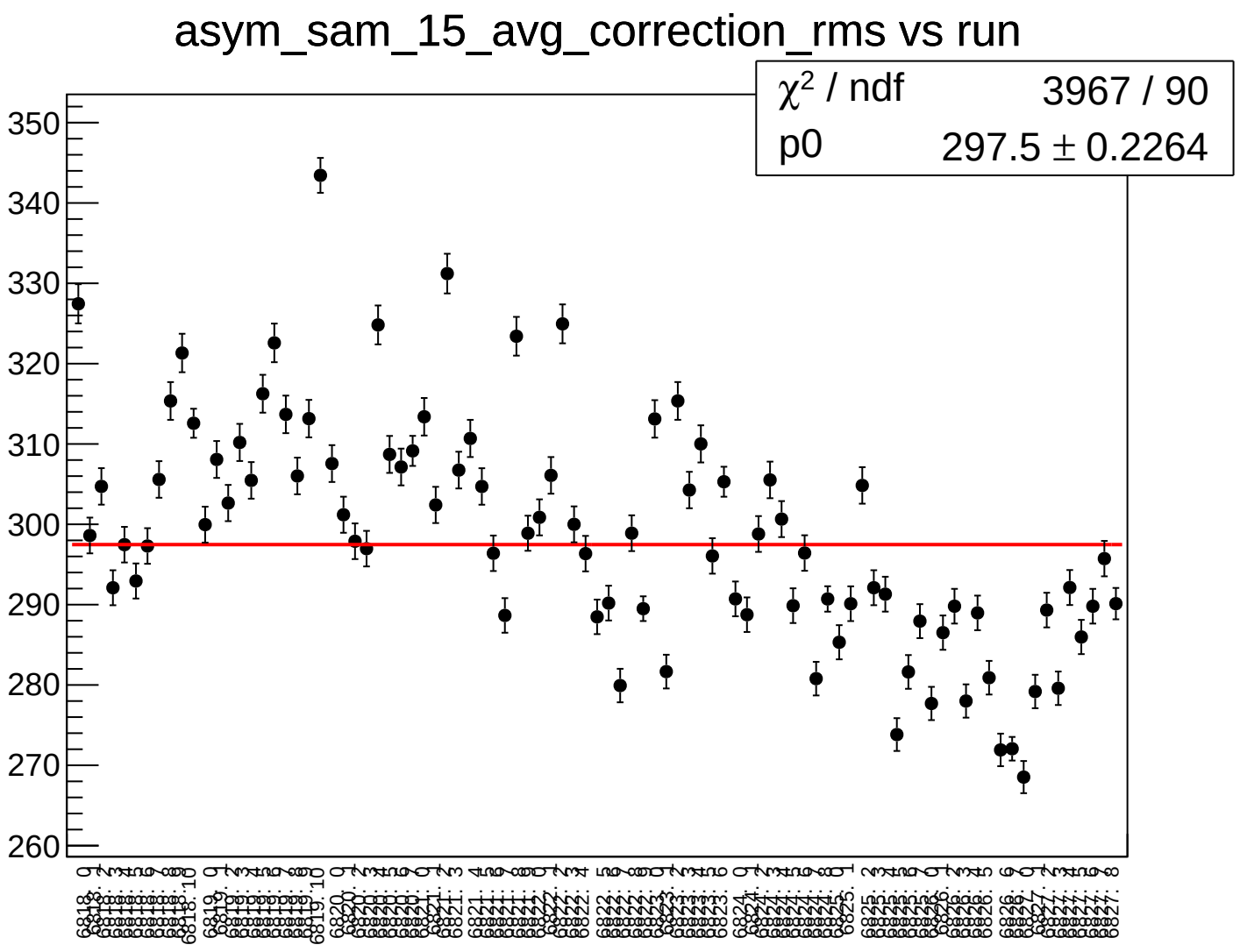

dit_asym_sam_15_avg_mean vs run
χ² / ndf 77.93 / 90
p0 −10.75 ± 67.47
2000
1000
0
−1000
−2000
pull
Entries 91
Mean −11.22
Std Dev 116.1
2
1
0
−1
−2

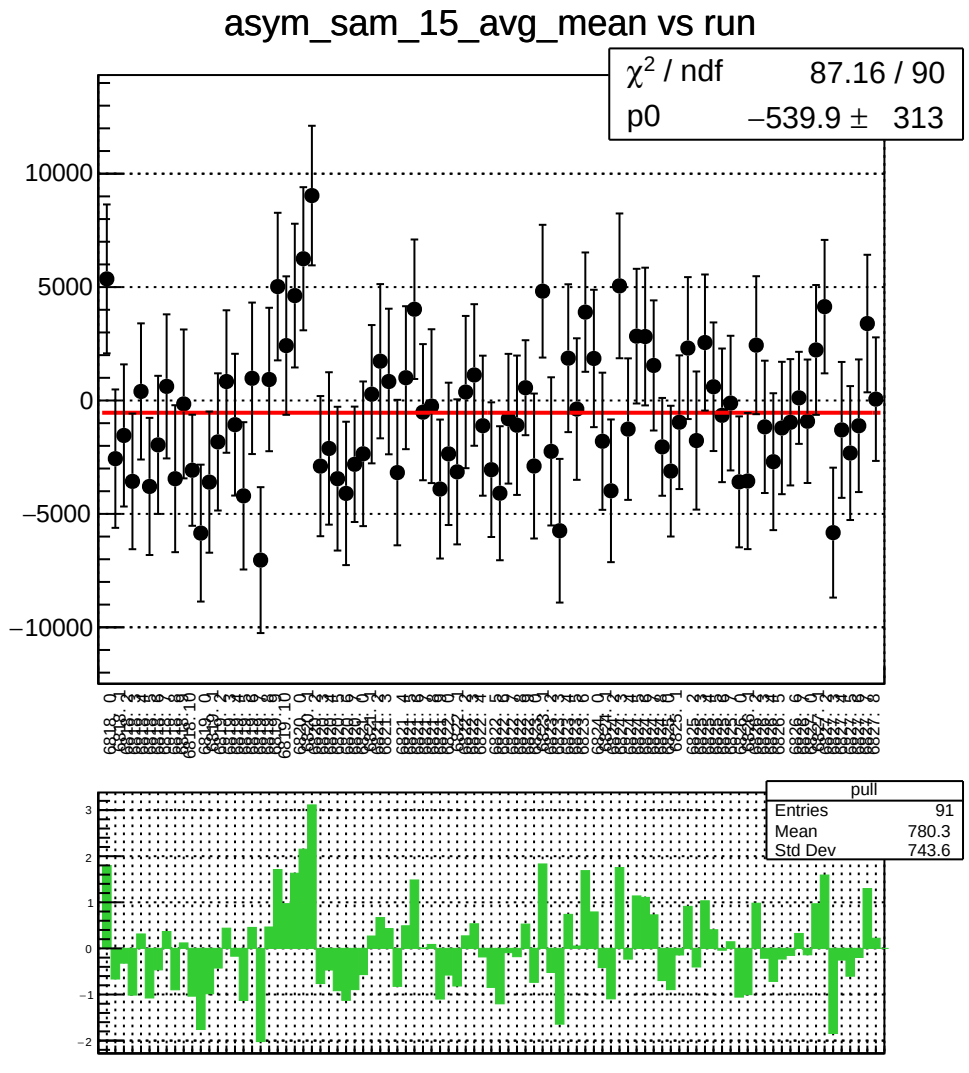

pull1D
Entries 91
Mean −0.003037
Std Dev 0.9254
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

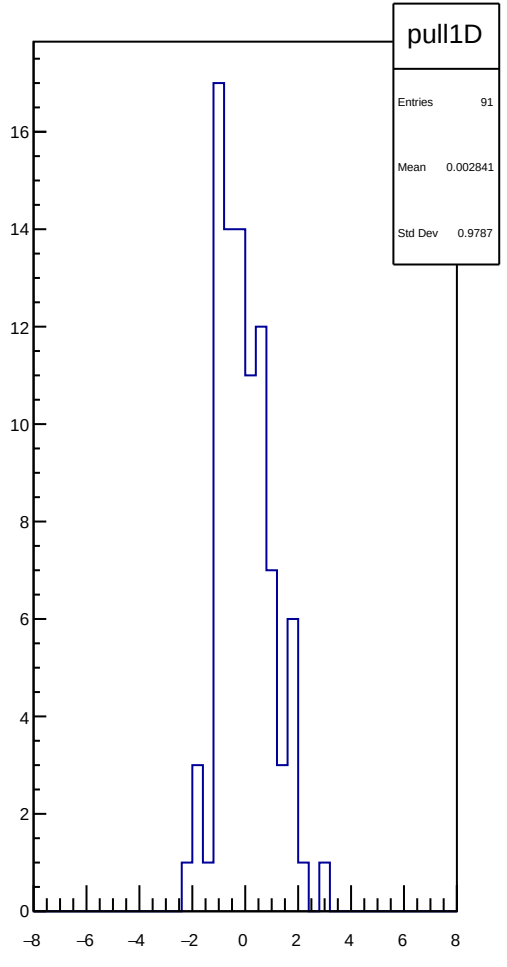

dit_asym_sam_15_avg_rms vs run
χ² / ndf 334.4 / 90
p0 62.74 ± 0.04771
65
64
63
62
61
60

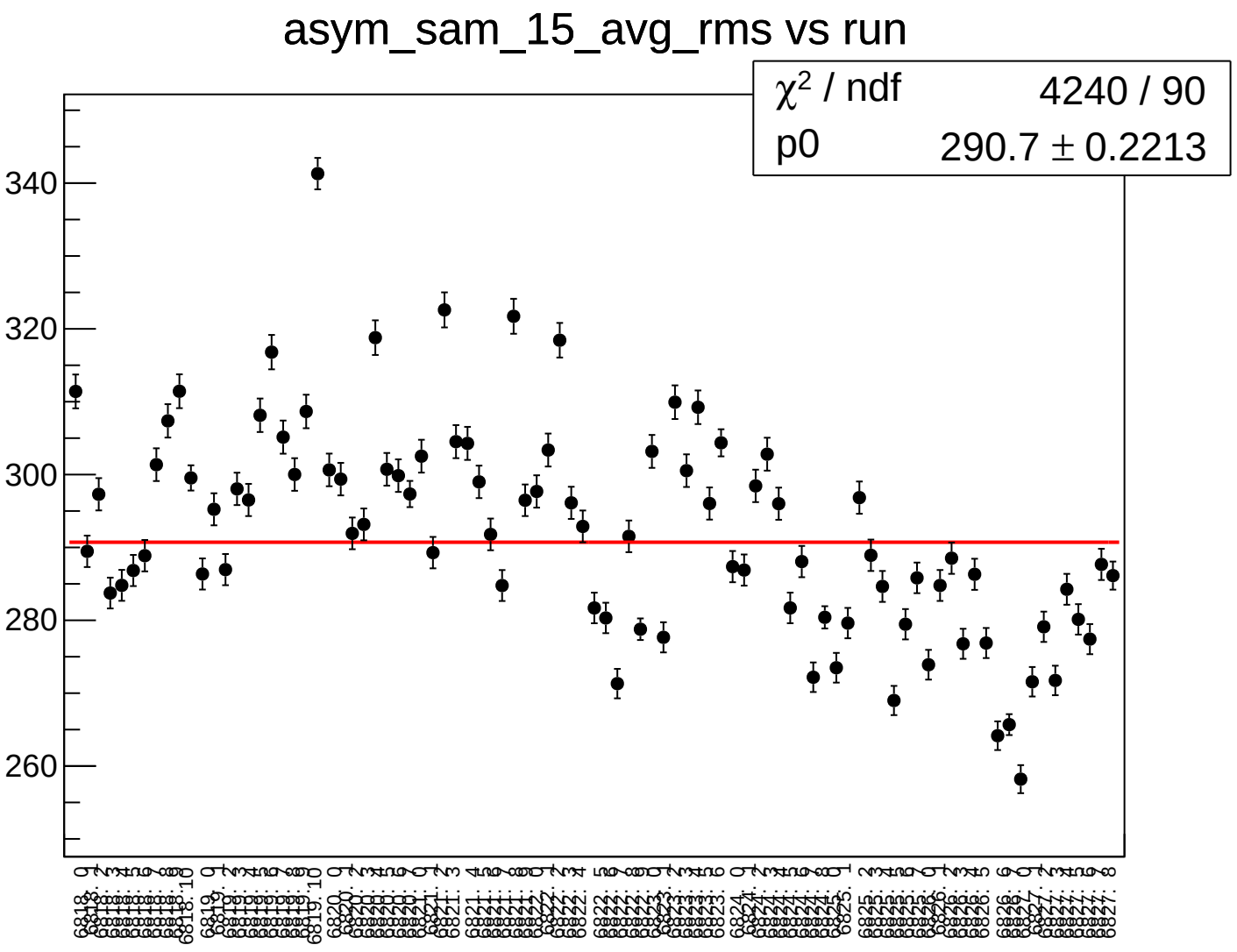

asym_sam_15_avg_correction_mean vs run
χ² / ndf 93.92 / 90
p0 518 ± 320.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean 1302
Std Dev 1268
2
1
0
−1
−2
−3

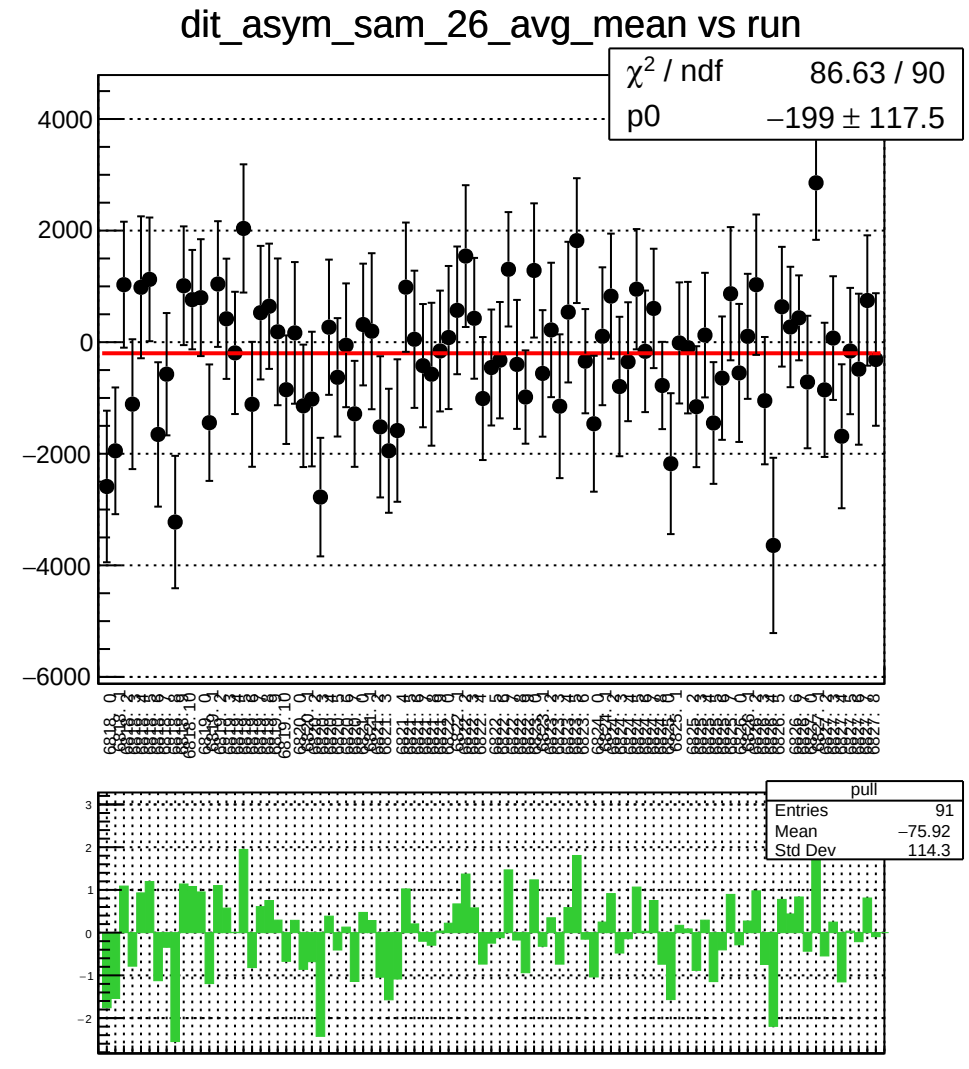

pull1D
Entries 91
Mean −0.001553
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

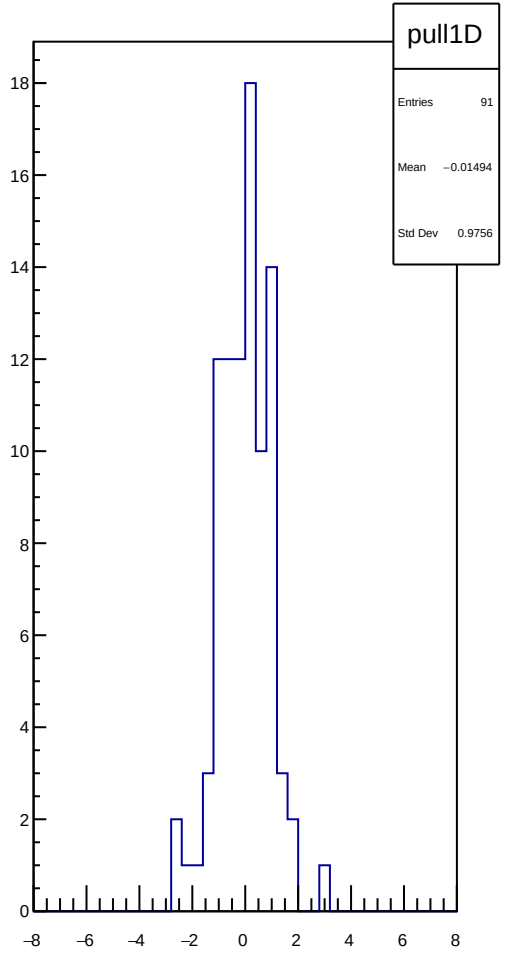

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3967 / 90
p0 297.5 ± 0.2264
350
340
330
320
310
300
290
280
270
260

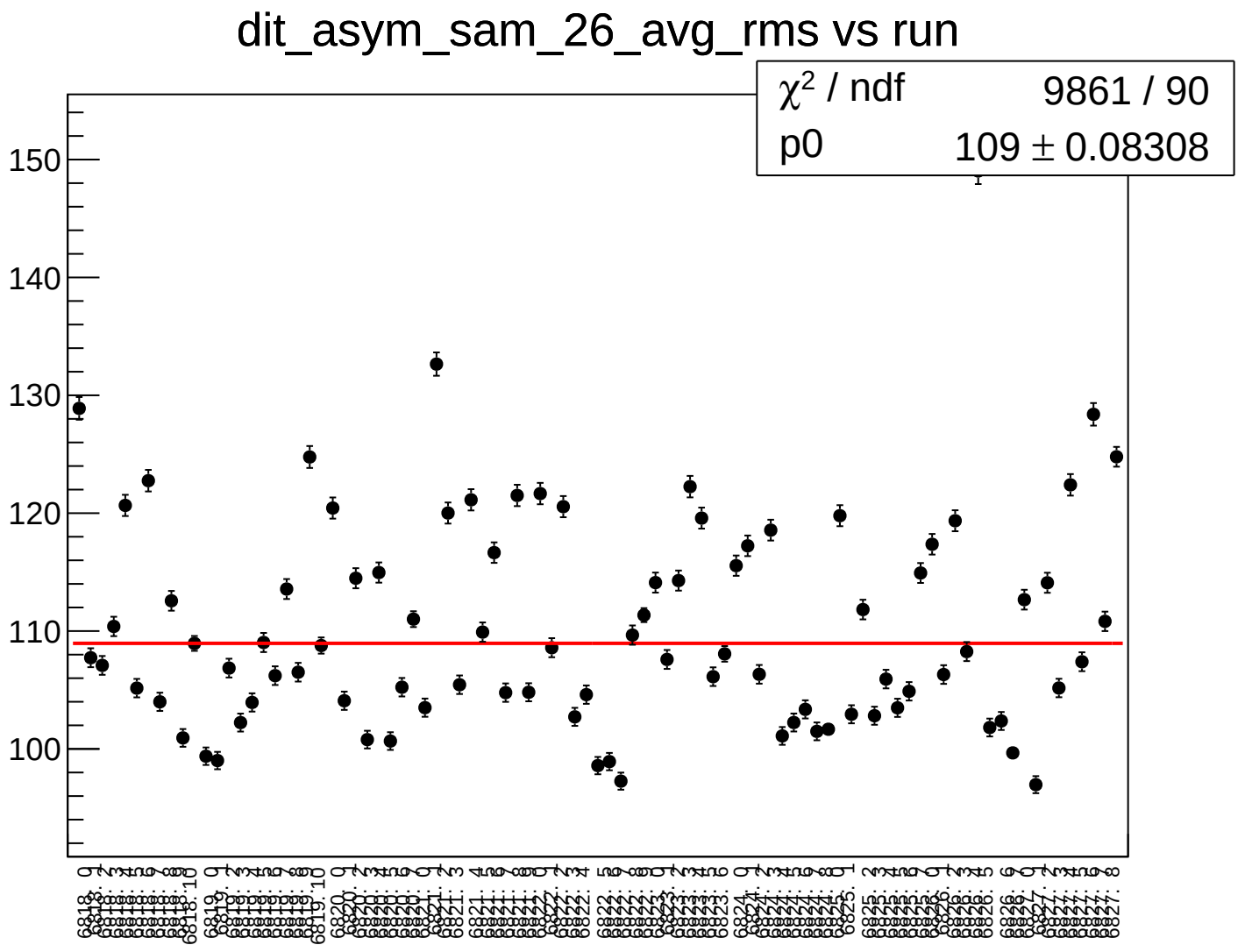

asym_sam_15_avg_mean vs run
χ² / ndf 87.16 / 90
p0 −539.9 ± 313
10000
5000
0
−5000
−10000
pull
Entries 91
Mean 780.3
Std Dev 743.6
3
2
1
0
−1
−2

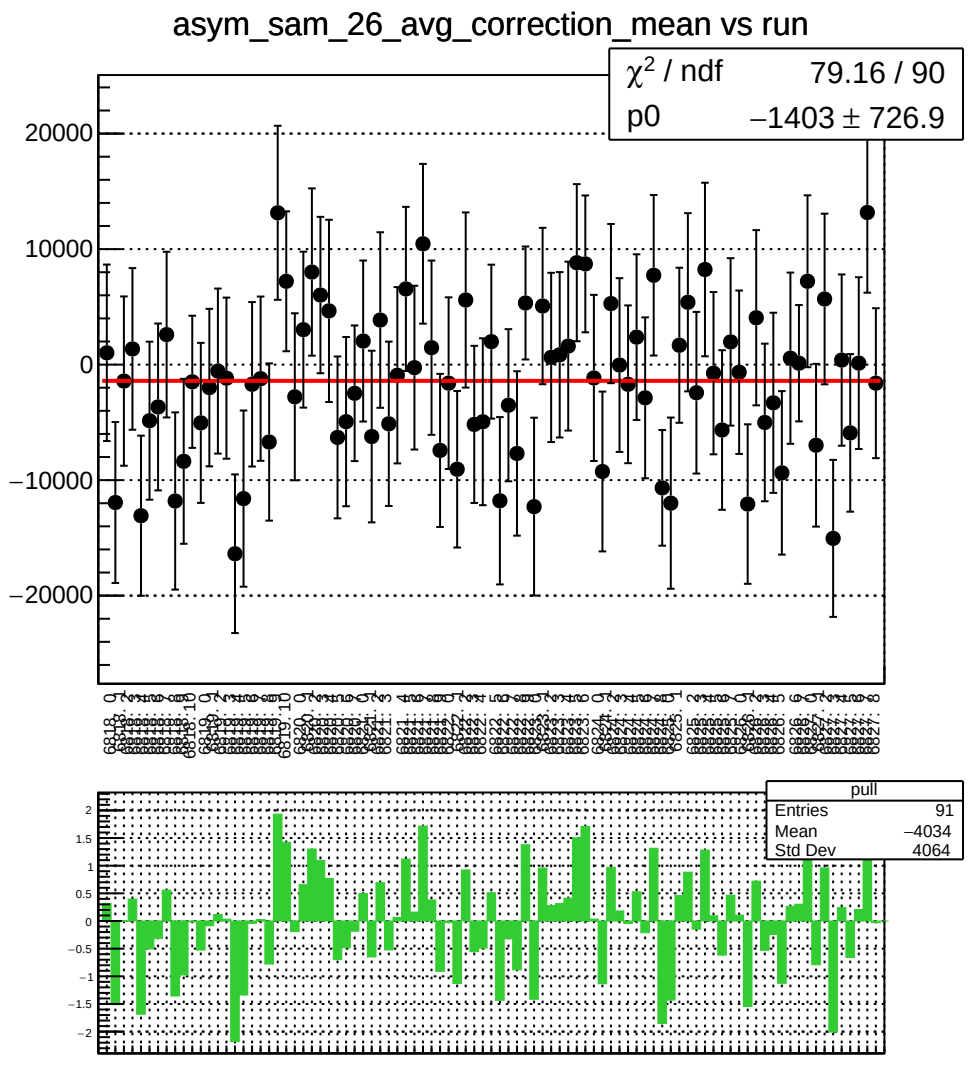

pull1D
Entries 91
Mean 0.002841
Std Dev 0.9787
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

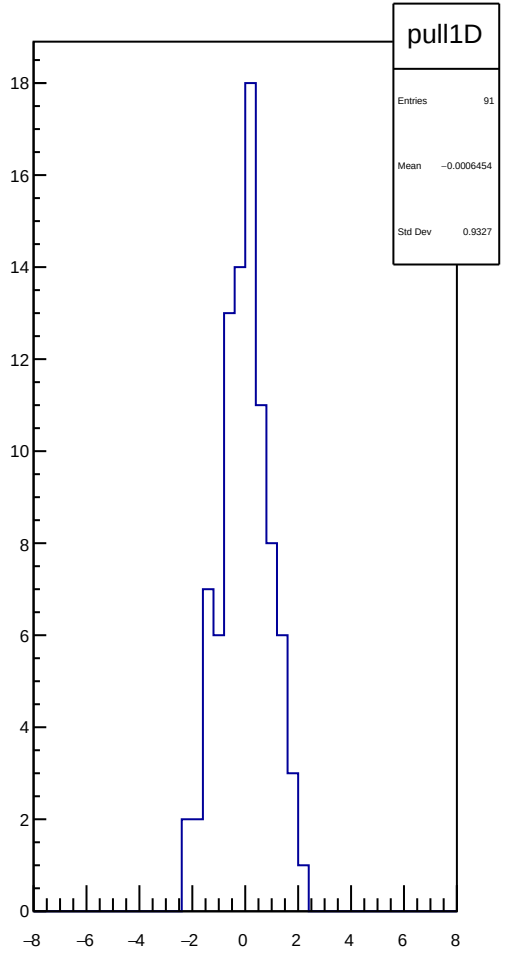

asym_sam_15_avg_rms vs run
χ² / ndf 4240 / 90
p0 290.7 ± 0.2213
340
320
300
280
260

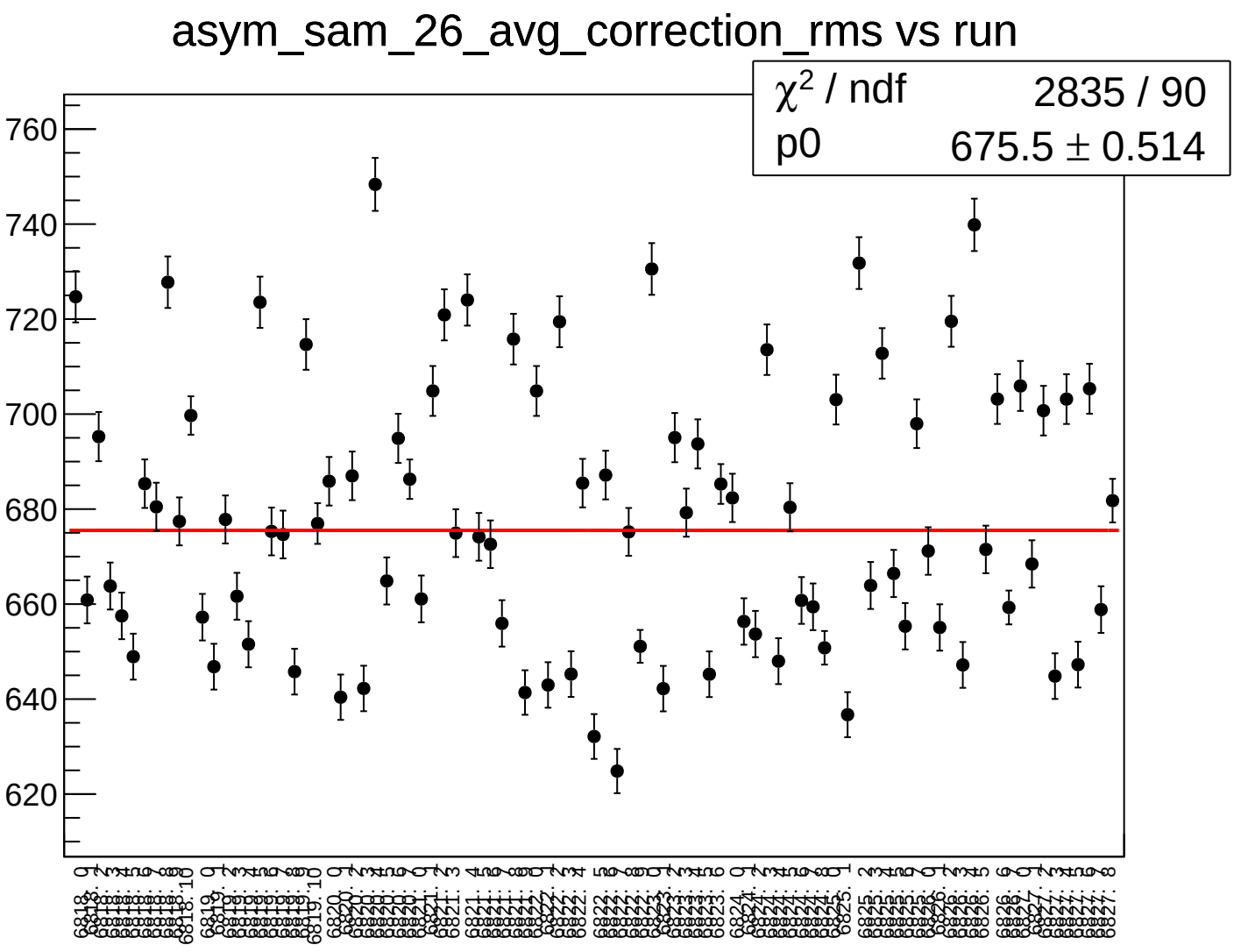

dit_asym_sam_26_avg_mean vs run
χ² / ndf 86.63 / 90
p0 −199 ± 117.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 91
Mean −75.92
Std Dev 114.3
3
2
1
0
−1
−2

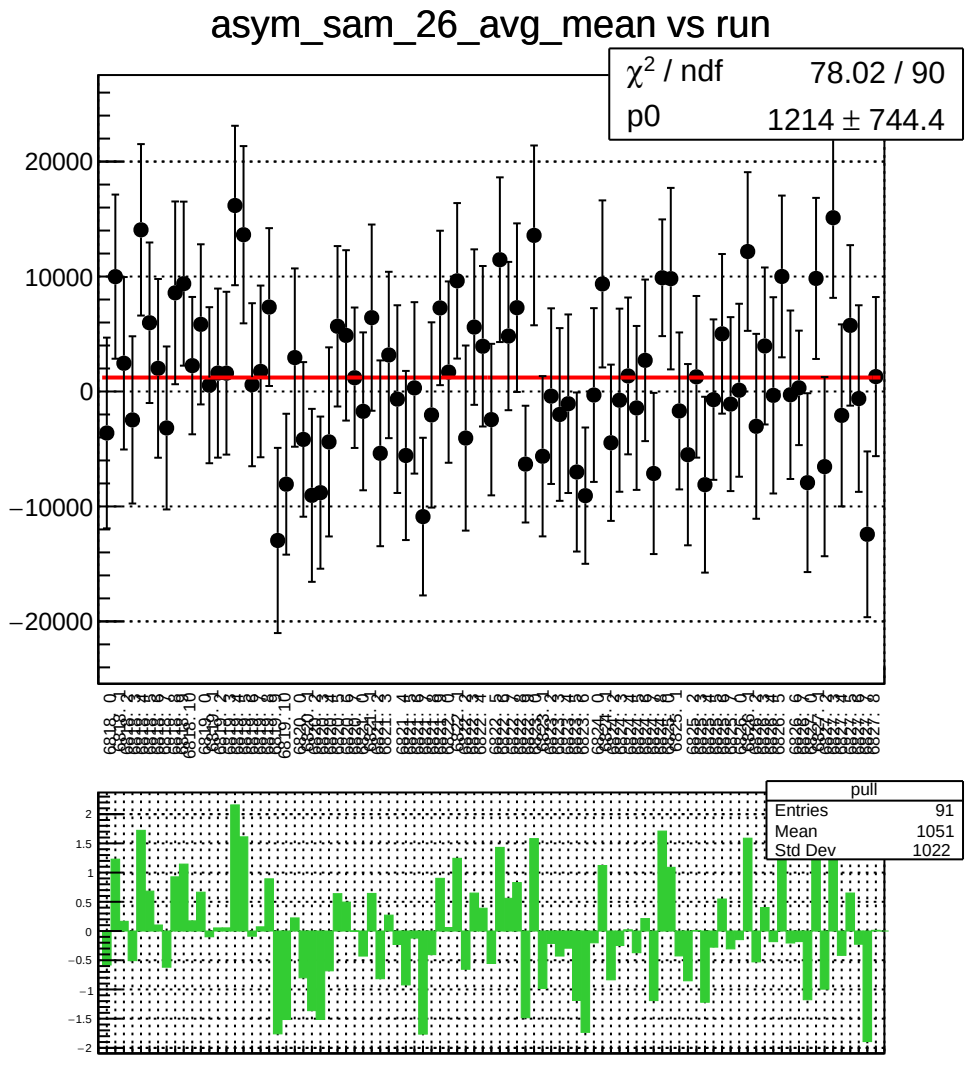

pull1D
Entries 91
Mean −0.01494
Std Dev 0.9756
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

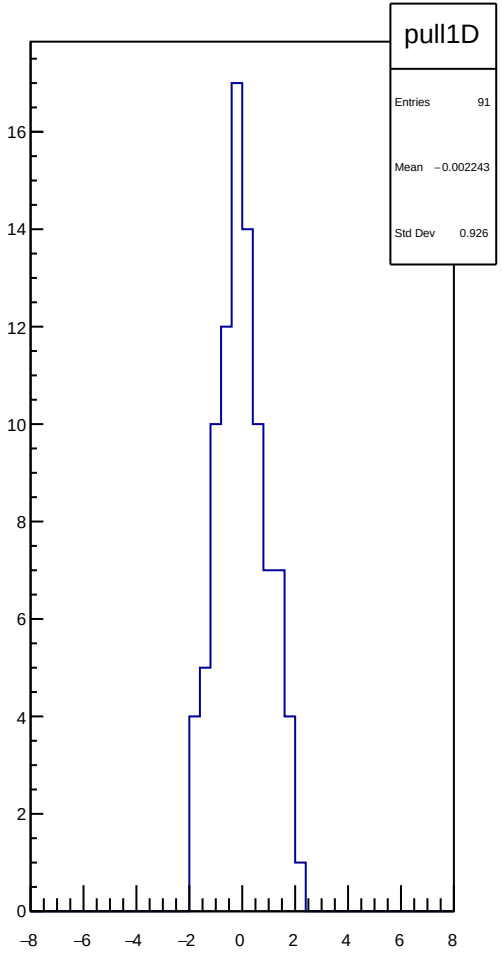

dit_asym_sam_26_avg_rms vs run
χ² / ndf 9861 / 90
p0 109 ± 0.08308
150
140
130
120
110
100

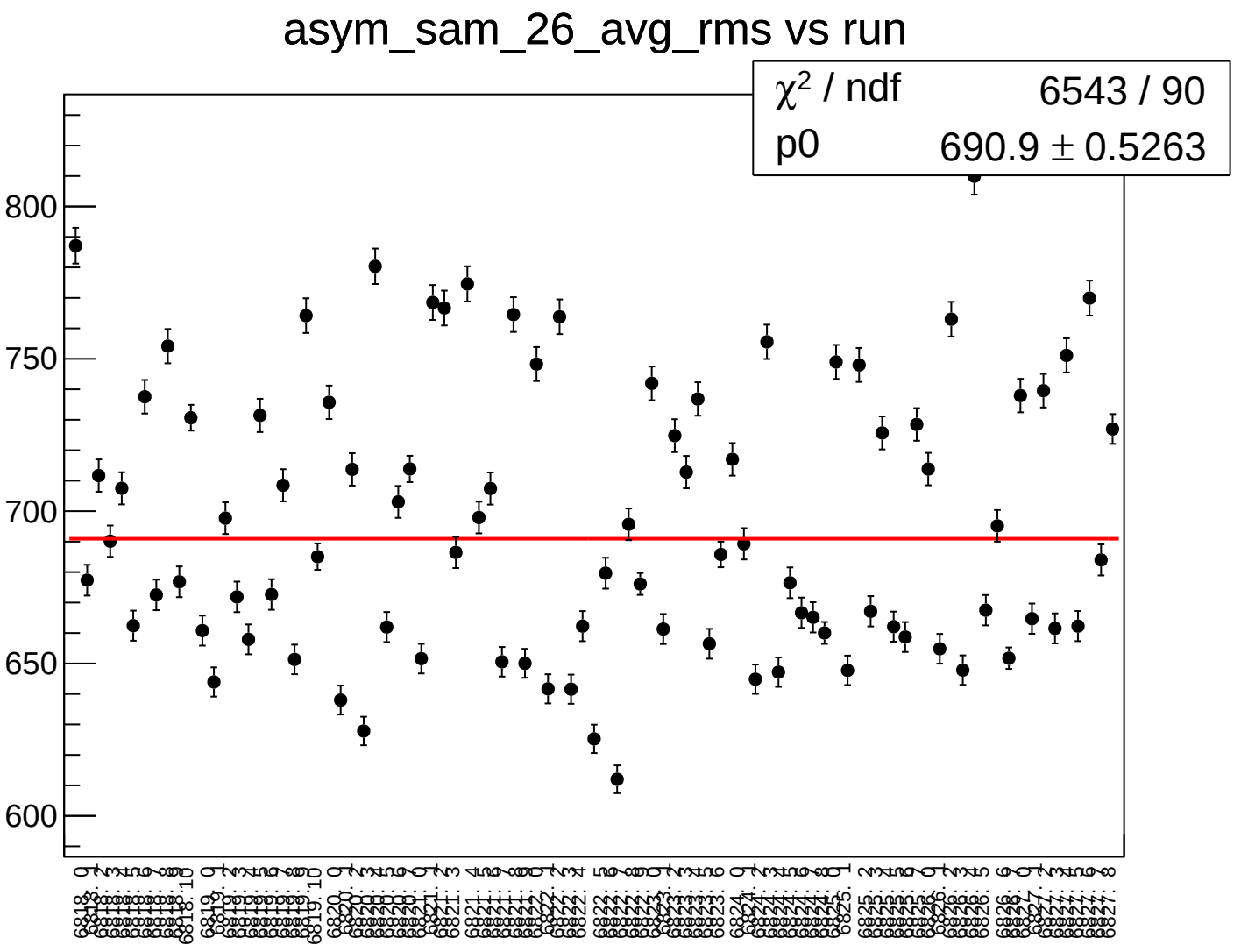

asym_sam_26_avg_correction_mean vs run
χ² / ndf 79.16 / 90
p0 −1403 ± 726.9
20000
10000
0
−10000
−20000
pull
Entries 91
Mean −4034
Std Dev 4064
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

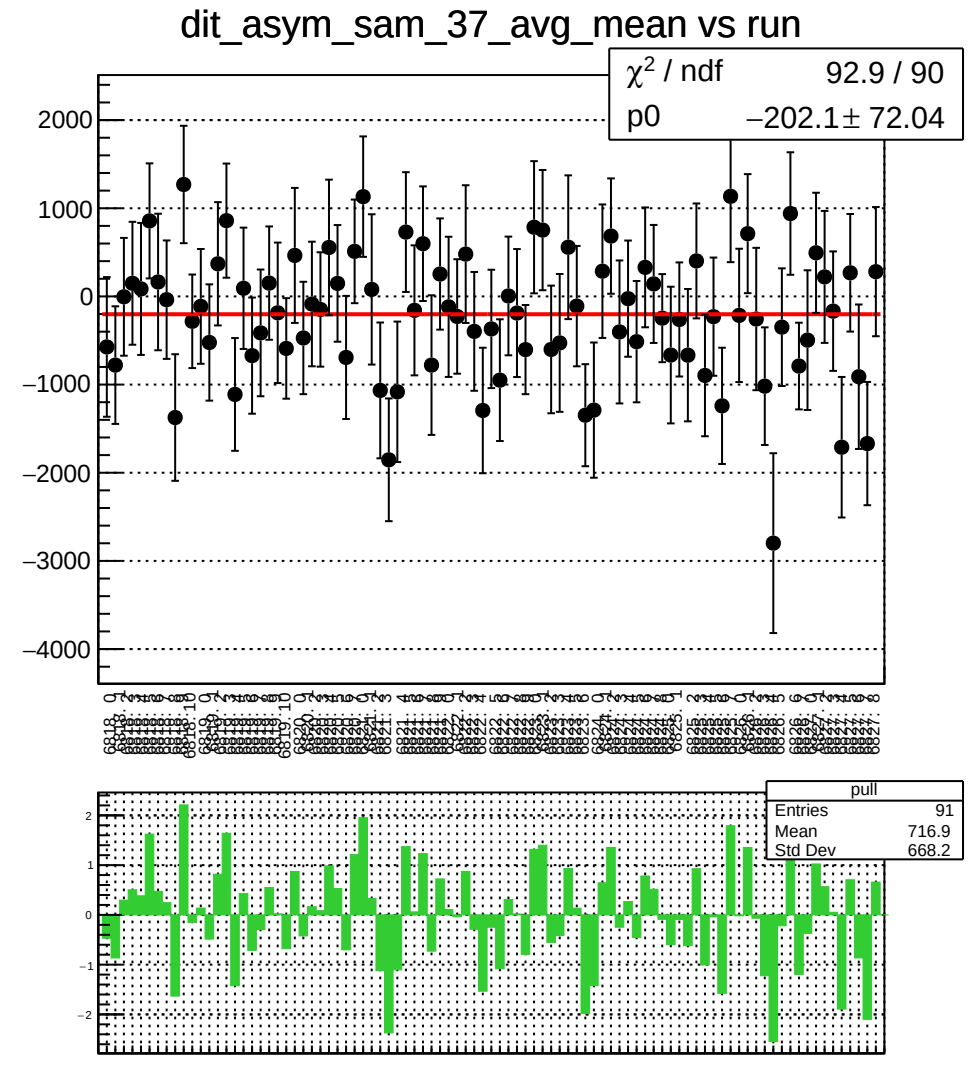

pull1D
Entries 91
Mean −0.0006454
Std Dev 0.9327
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

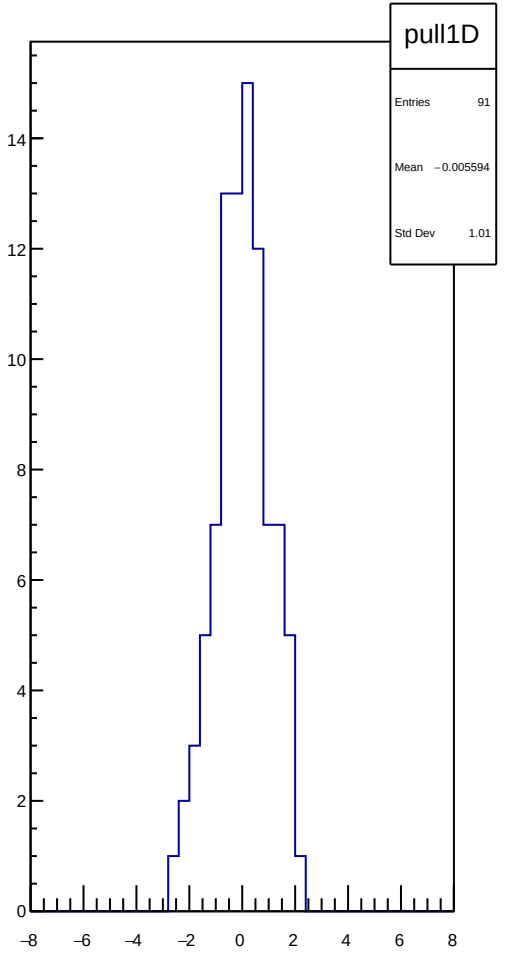

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2835 / 90
p0 675.5 ± 0.514
760
740
720
700
680
660
640
620

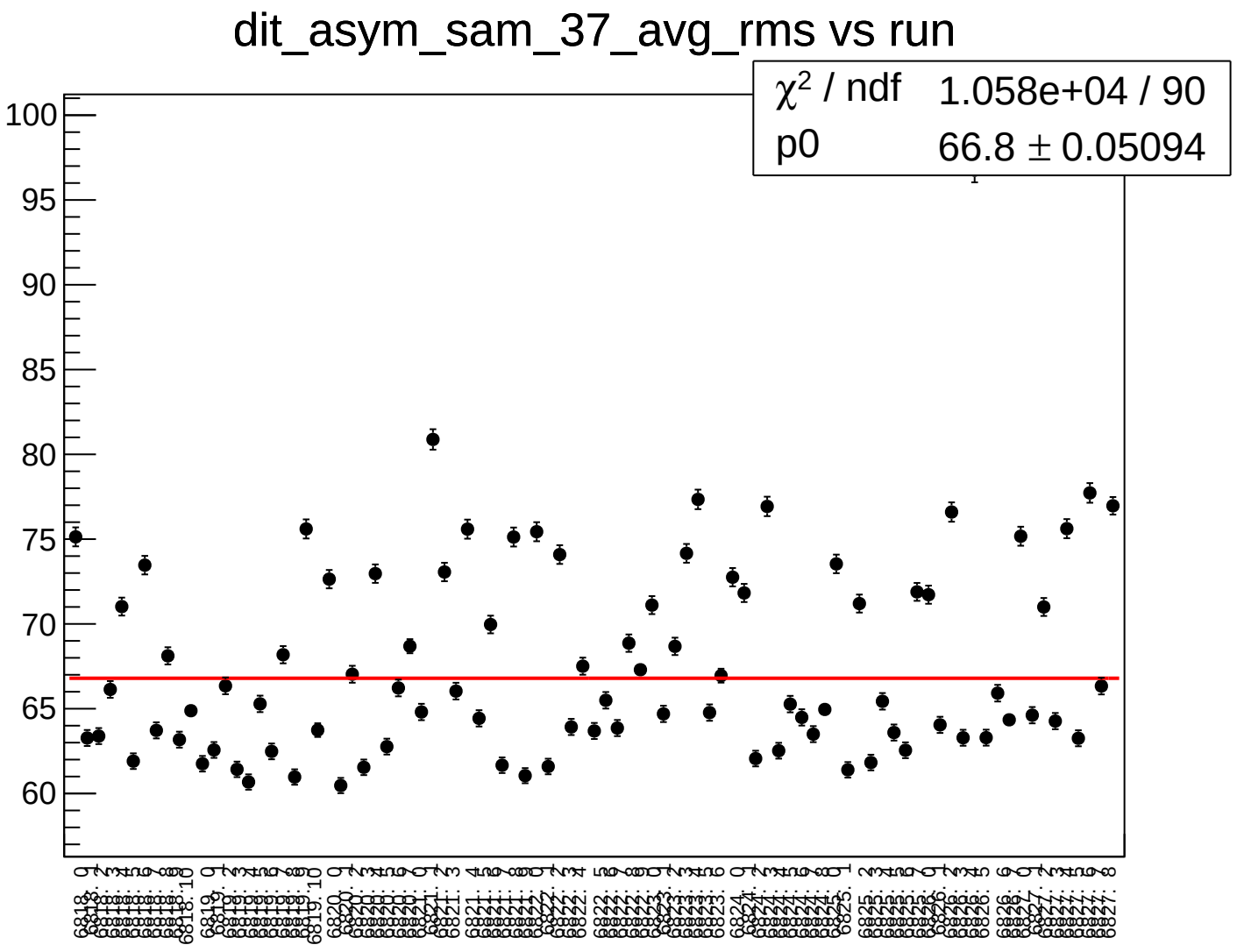

asym_sam_26_avg_mean vs run
χ² / ndf 78.02 / 90
p0 1214 ± 744.4
20000
10000
0
−10000
−20000
pull
Entries 91
Mean 1051
Std Dev 1022
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

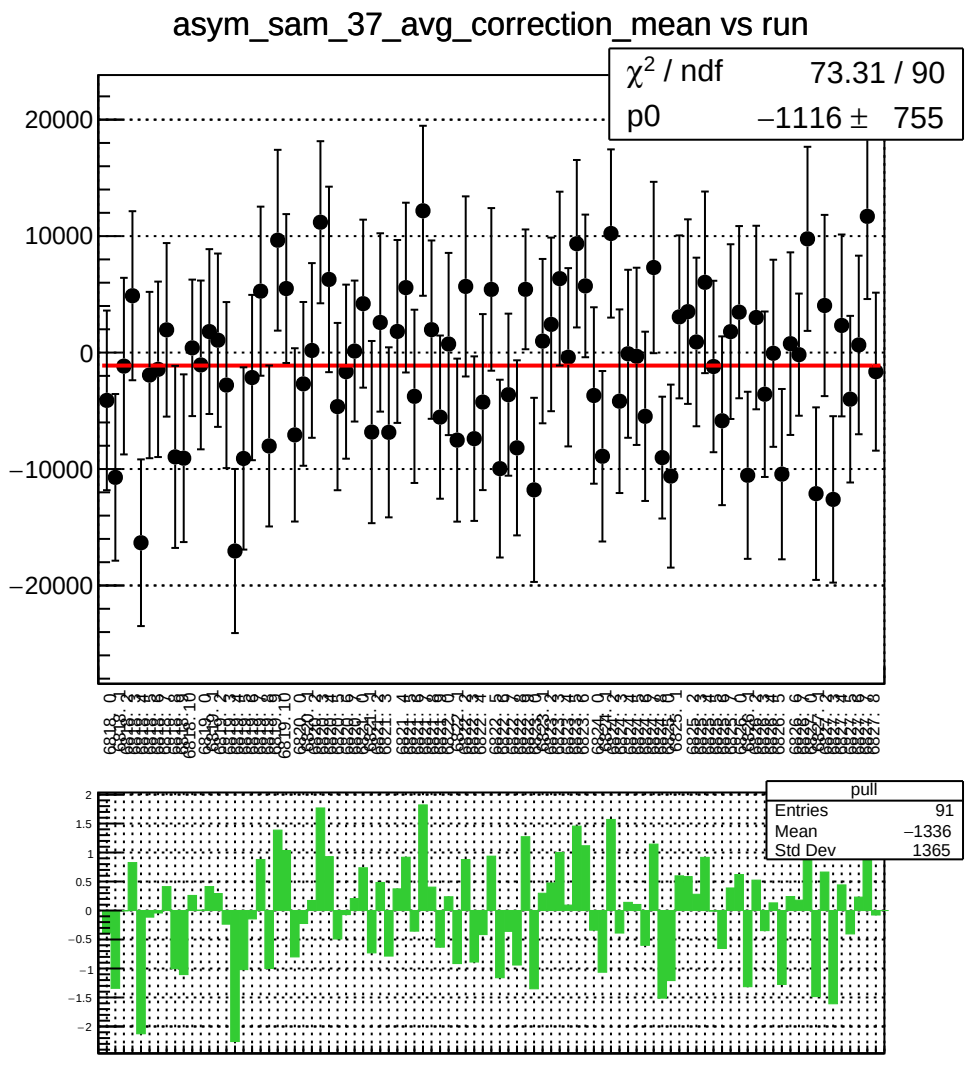

pull1D
Entries 91
Mean −0.002243
Std Dev 0.926
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

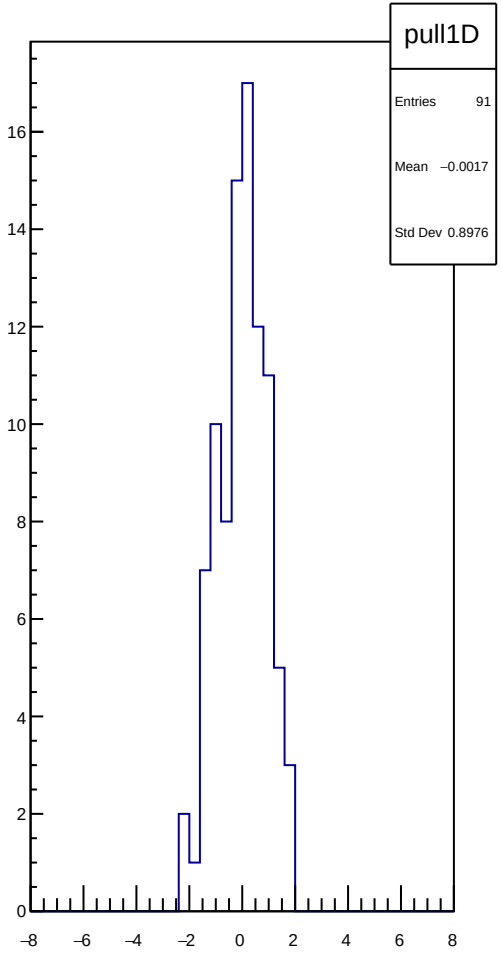

asym_sam_26_avg_rms vs run
χ² / ndf 6543 / 90
p0 690.9 ± 0.5263
800
750
700
650
600

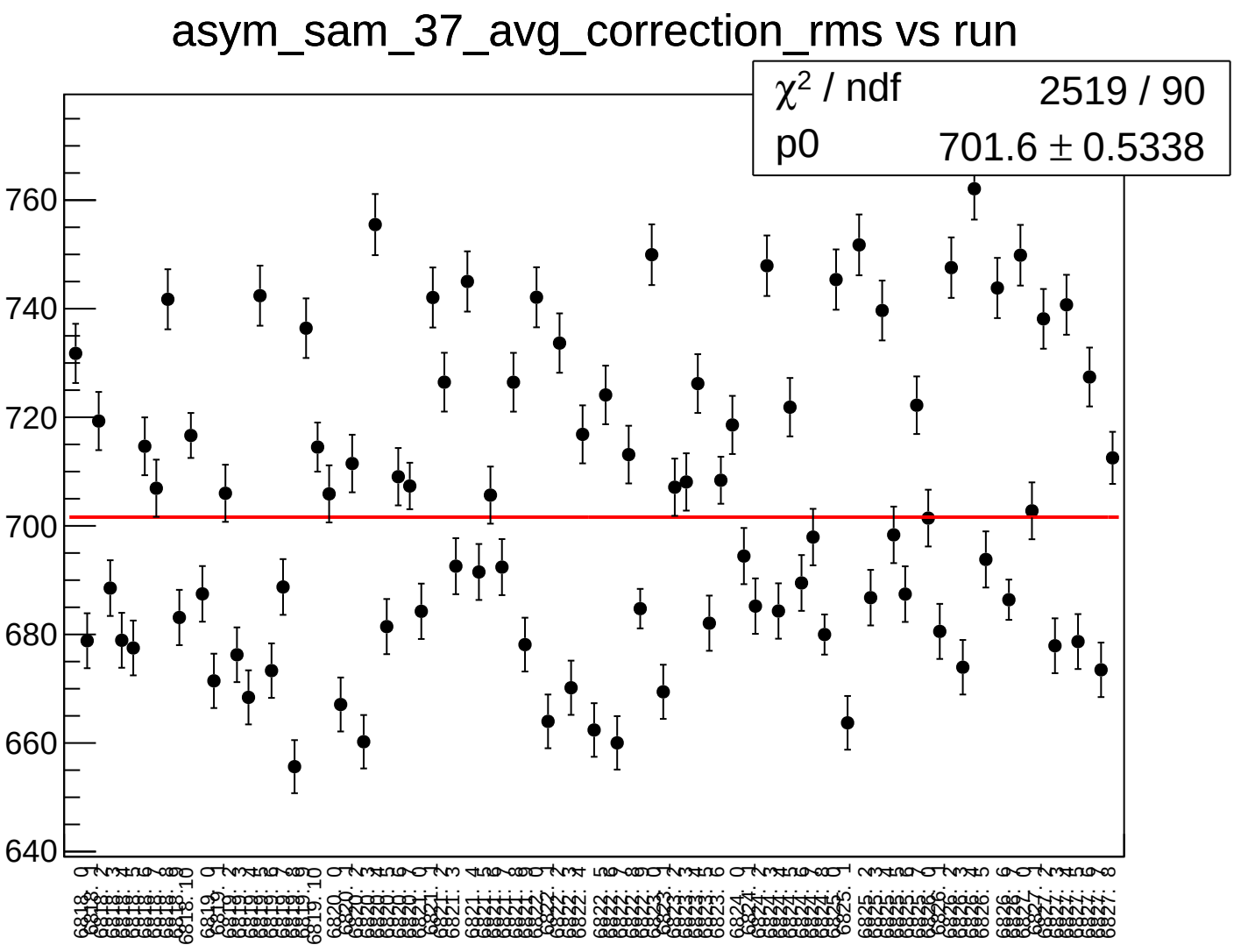

dit_asym_sam_37_avg_mean vs run
χ² / ndf 92.9 / 90
p0 −202.1± 72.04
pull
Entries 91
Mean 716.9
Std Dev 668.2

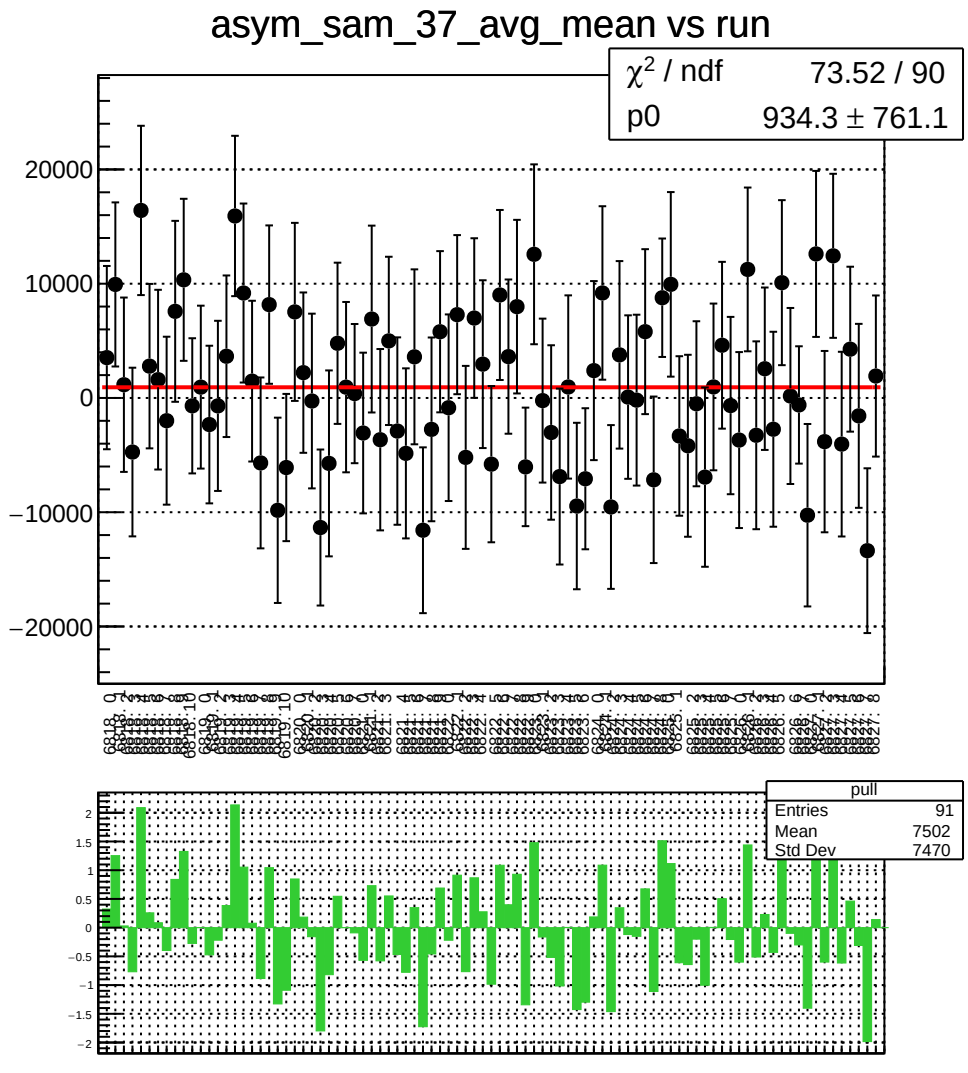

pull1D
Entries 91
Mean −0.005594
Std Dev 1.01

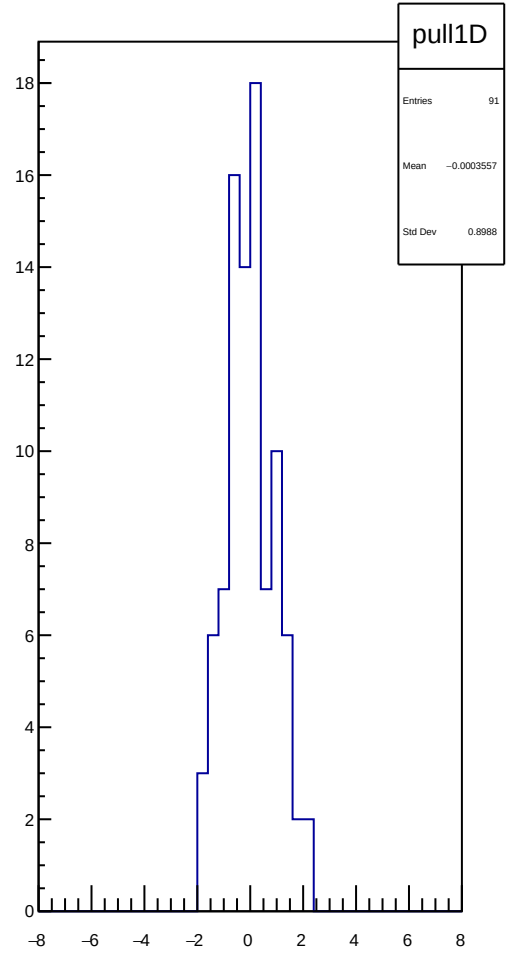

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.058e+04 / 90
p0 66.8 ± 0.05094
100
95
90
85
80
75
70
65
60

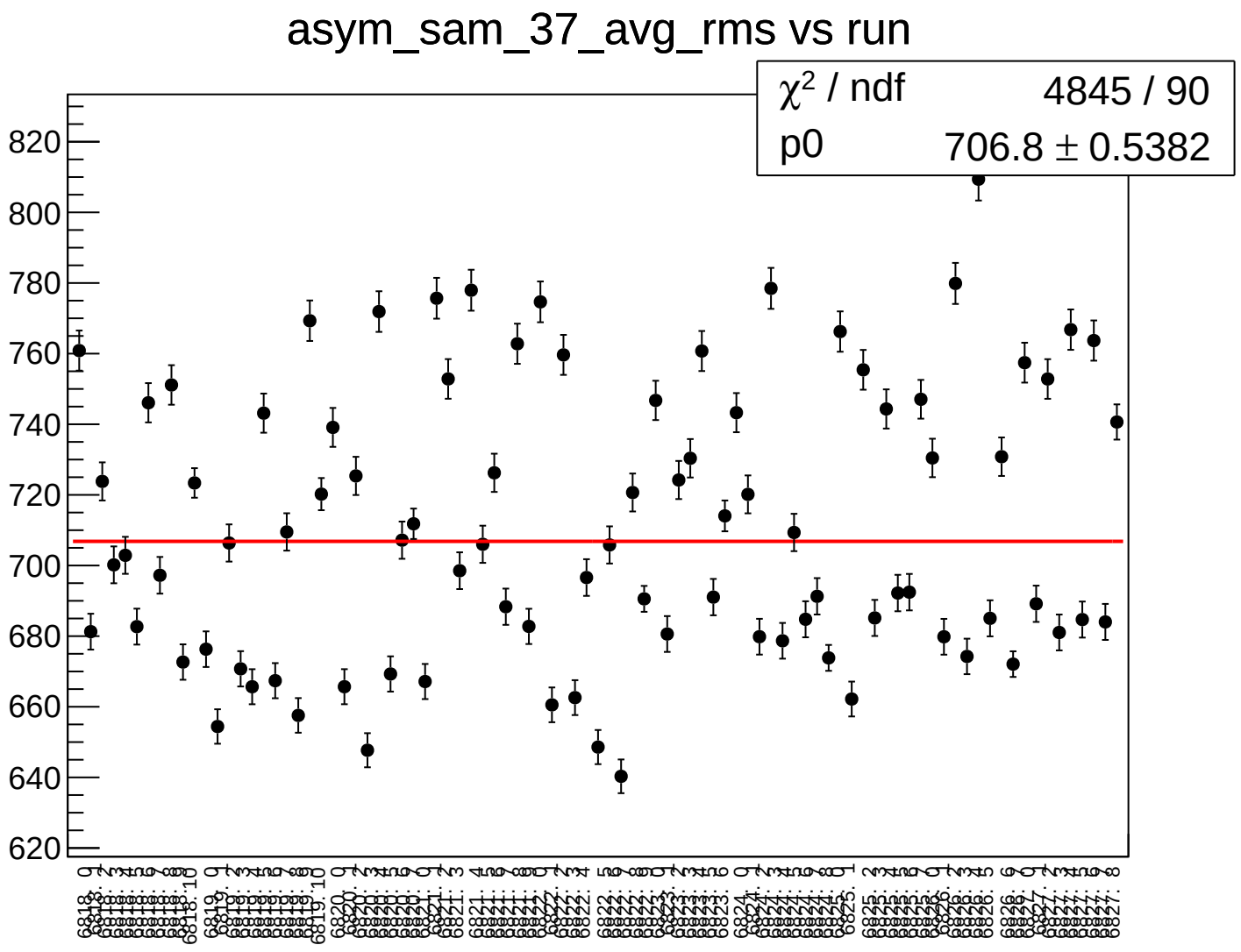

asym_sam_37_avg_correction_mean vs run
χ² / ndf 73.31 / 90
p0 −1116 ± 755
20000
10000
0
−10000
−20000
pull
Entries 91
Mean −1336
Std Dev 1365
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

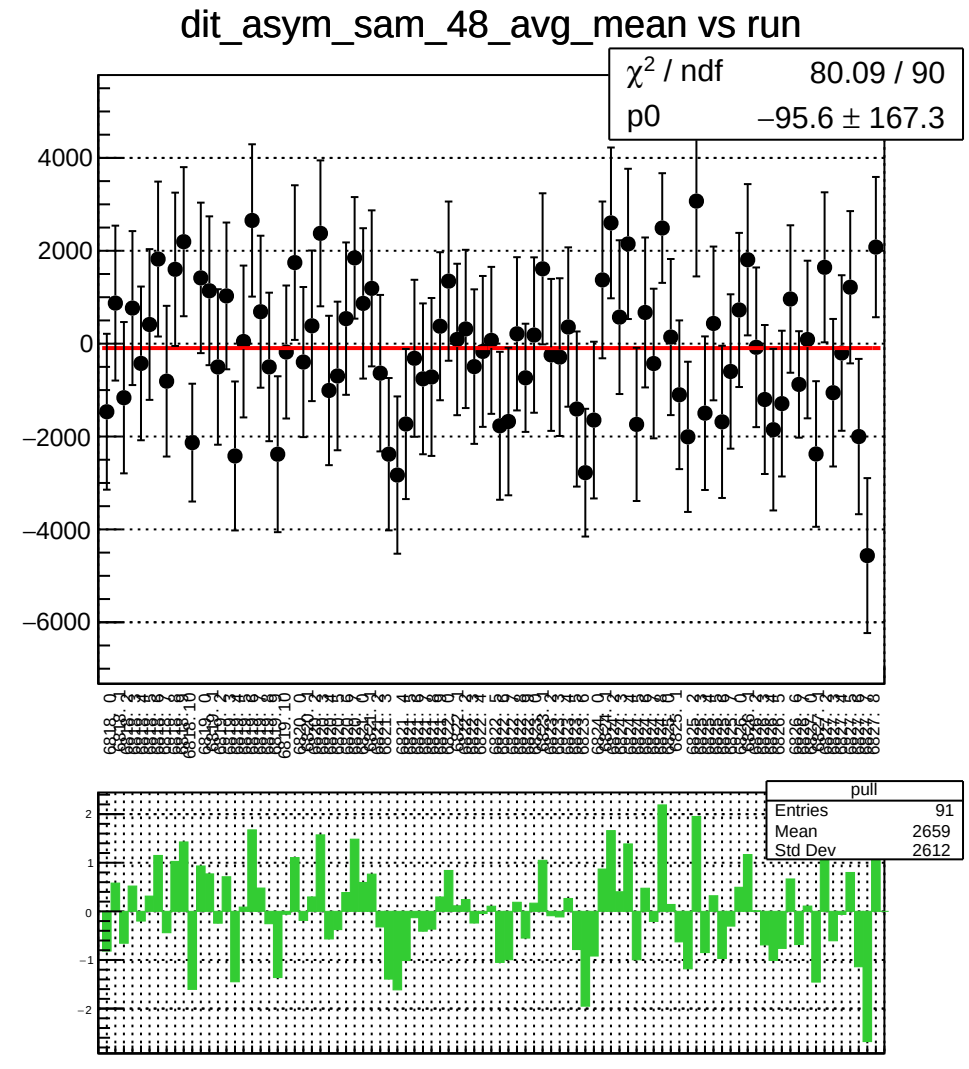

pull1D
Entries 91
Mean −0.0017
Std Dev 0.8976
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

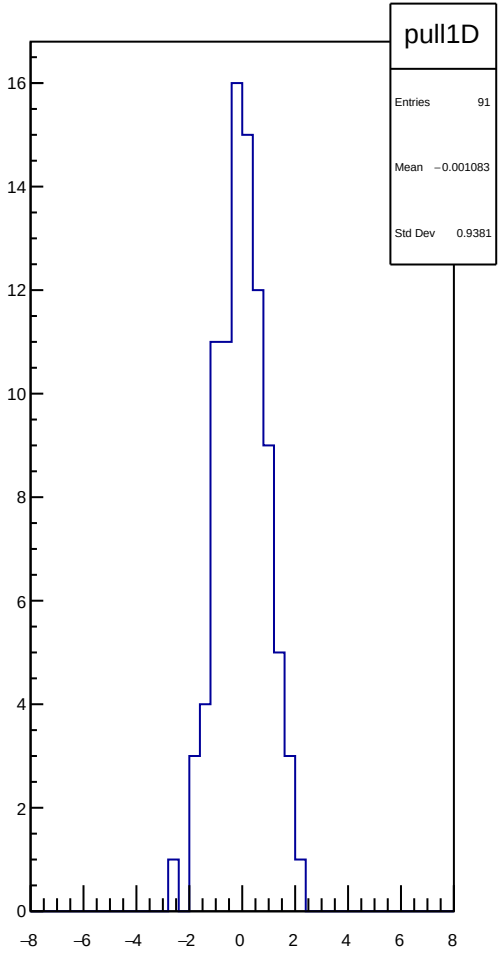

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2519 / 90
p0 701.6 ± 0.5338
760
740
720
700
680
660
640

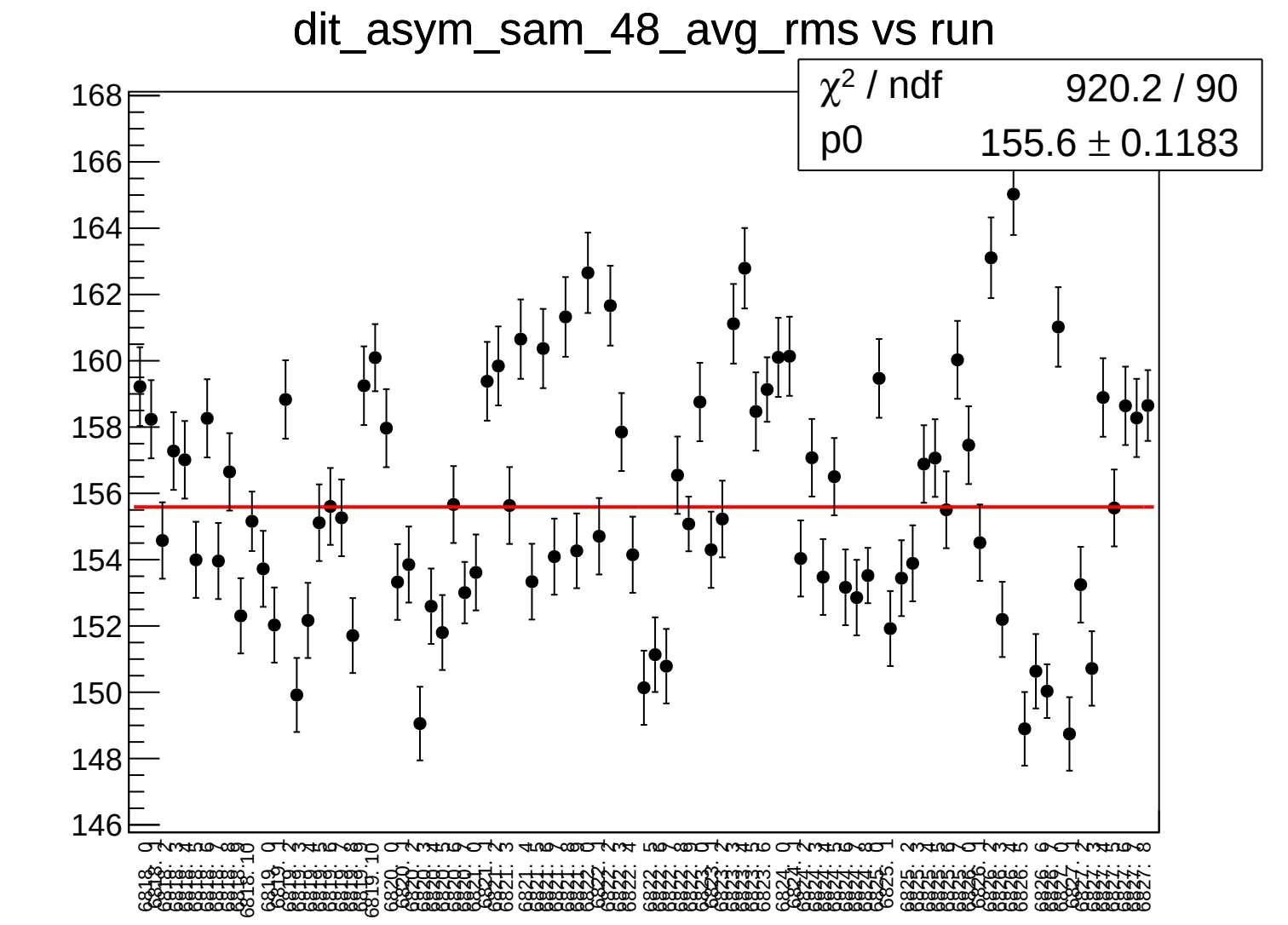

asym_sam_37_avg_mean vs run
χ² / ndf 73.52 / 90
p0 934.3 ± 761.1
20000
10000
0
−10000
−20000
pull
Entries 91
Mean 7502
Std Dev 7470
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

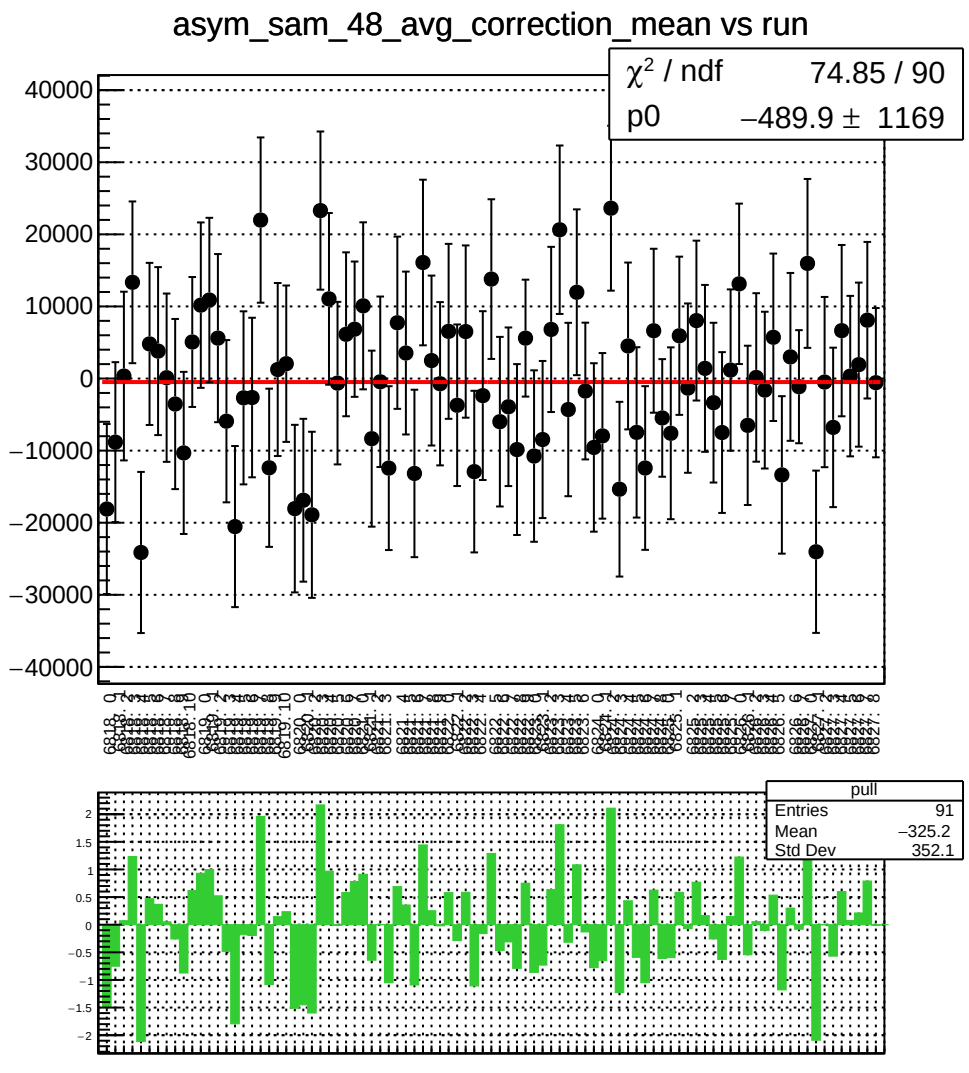

pull1D
Entries 91
Mean −0.0003557
Std Dev 0.8988
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

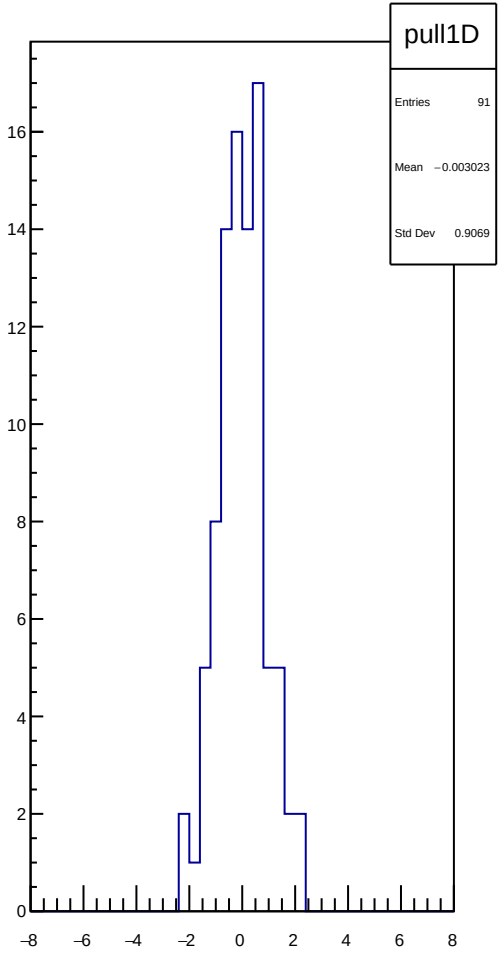

asym_sam_37_avg_rms vs run
χ² / ndf 4845 / 90
p0 706.8 ± 0.5382
820
800
780
760
740
720
700
680
660
640
620

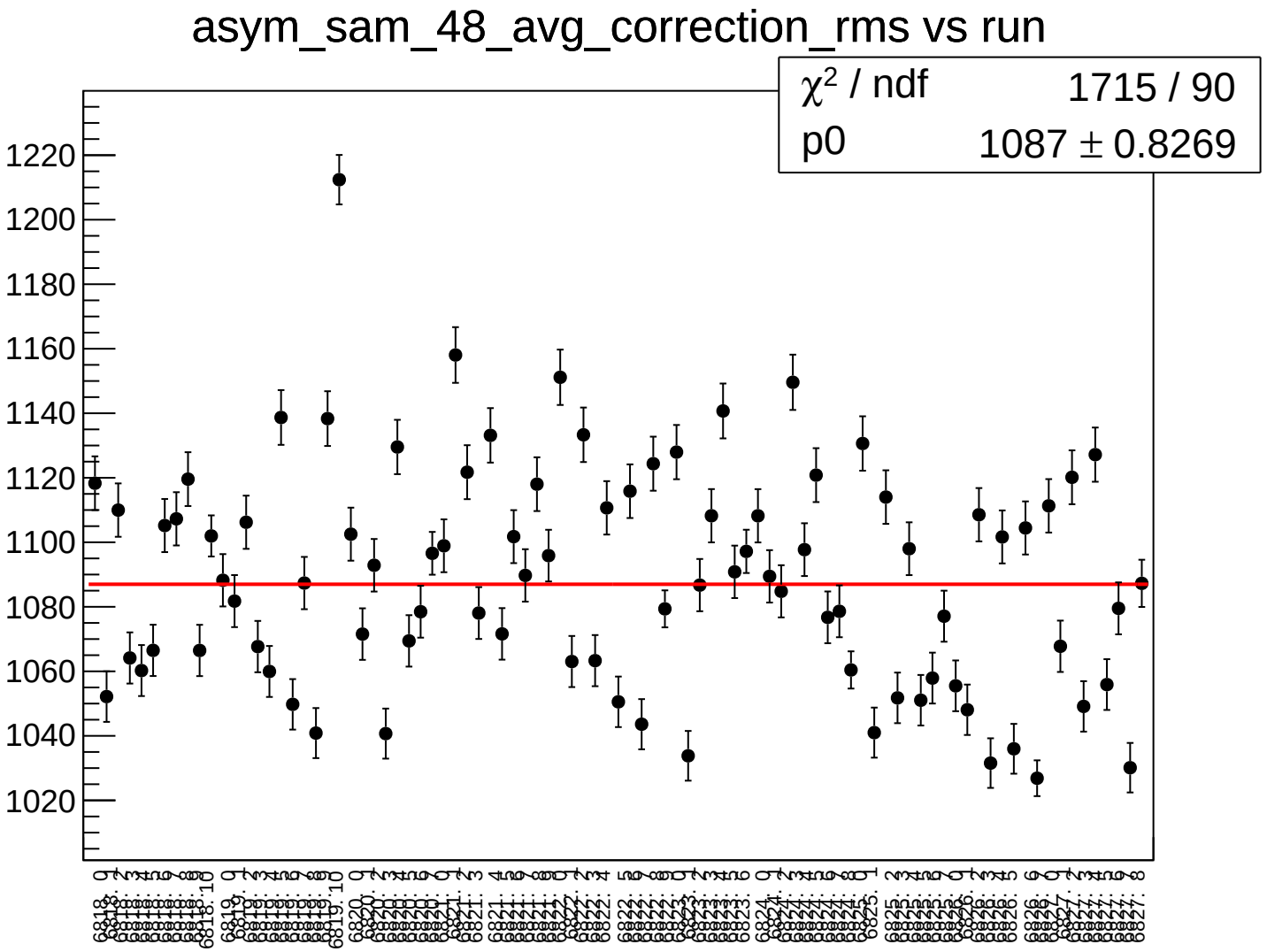

dit_asym_sam_48_avg_mean vs run
χ² / ndf 80.09 / 90
p0 −95.6 ± 167.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 91
Mean 2659
Std Dev 2612
2
1
0
−1
−2

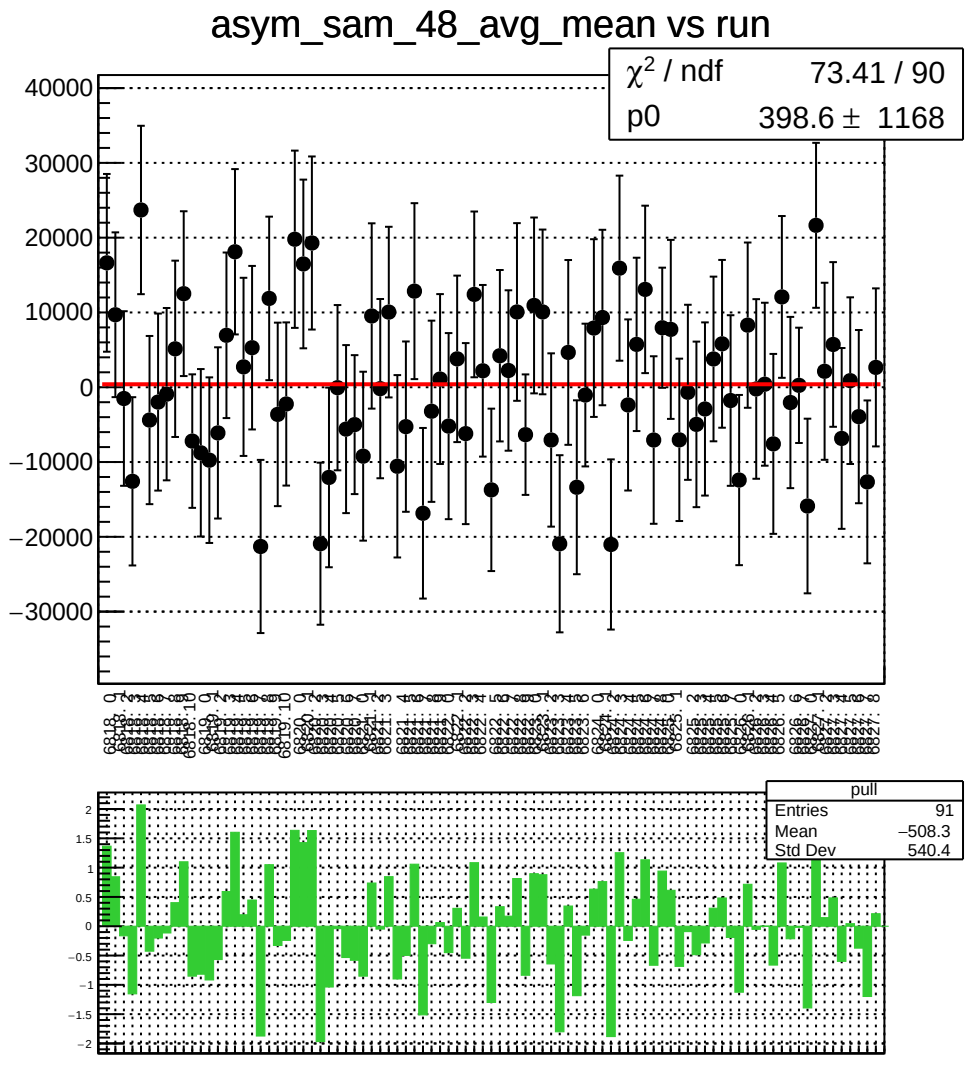

pull1D
Entries 91
Mean −0.001083
Std Dev 0.9381
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

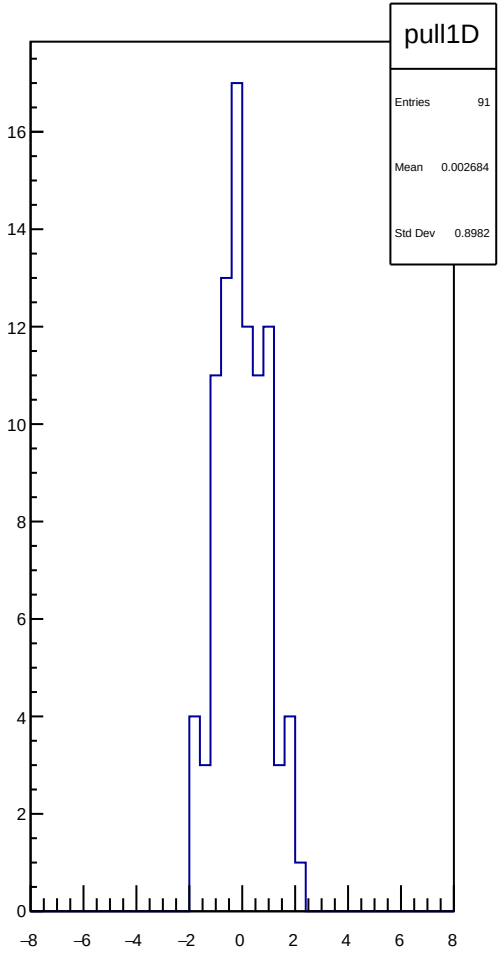

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 920.2 / 90
p0 155.6 ± 0.1183
168
166
164
162
160
158
156
154
152
150
148
146

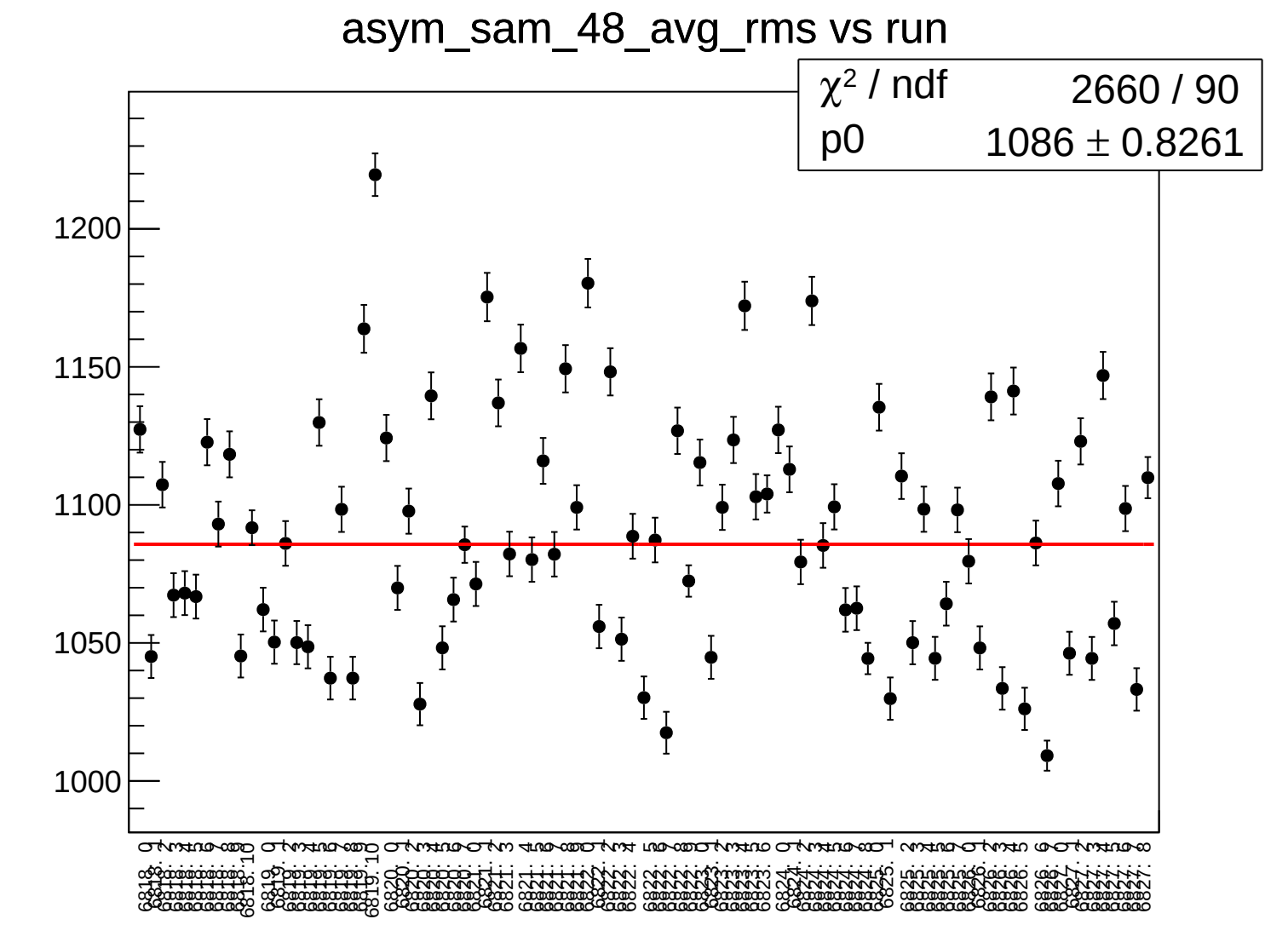

asym_sam_48_avg_correction_mean vs run
χ² / ndf 74.85 / 90
p0 −489.9 ± 1169
pull
Entries 91
Mean −325.2
Std Dev 352.1

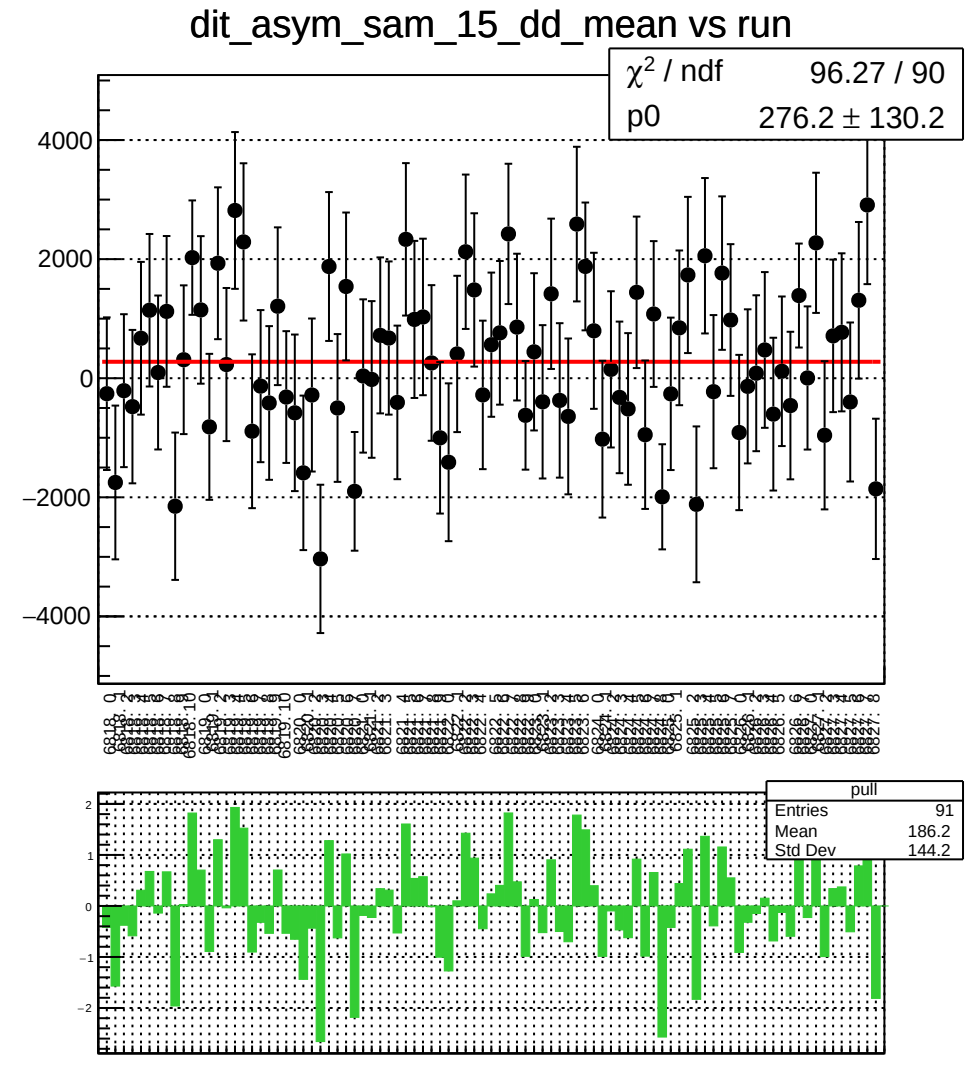

pull1D
Entries 91
Mean −0.003023
Std Dev 0.9069

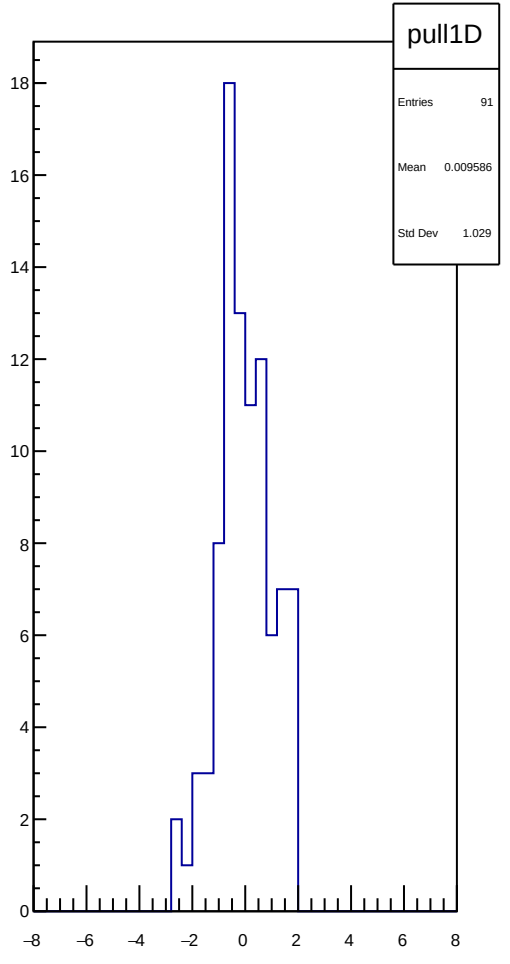

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1715 / 90
p0 1087 ± 0.8269
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020

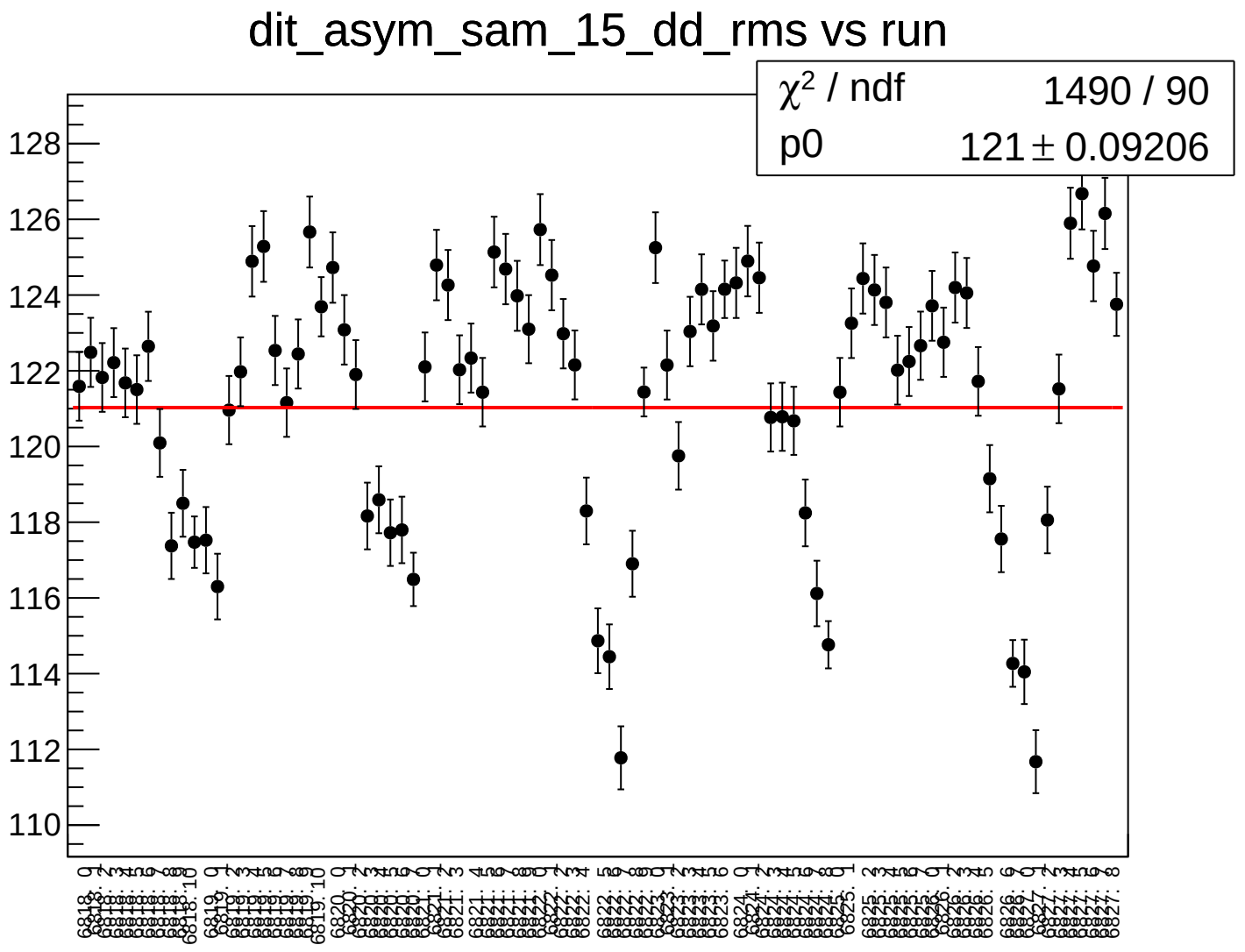

asym_sam_48_avg_mean vs run
χ² / ndf 73.41 / 90
p0 398.6 ± 1168
pull
Entries 91
Mean −508.3
Std Dev 540.4

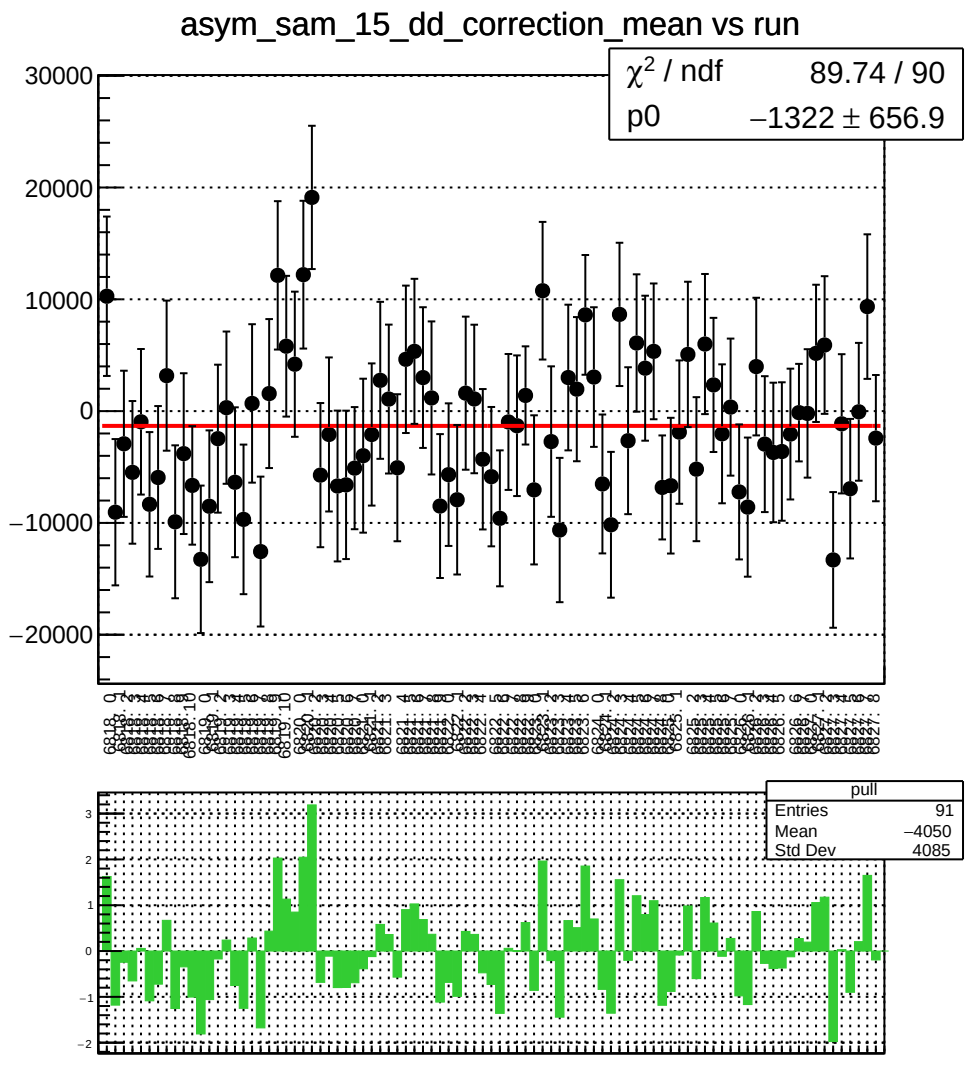

pull1D
Entries 91
Mean 0.002684
Std Dev 0.8982

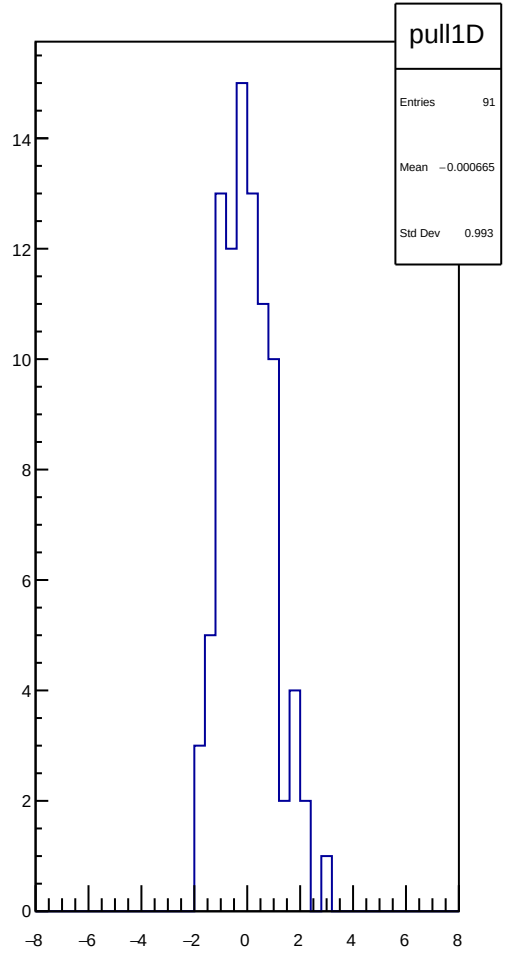

asym_sam_48_avg_rms vs run
χ² / ndf 2660 / 90
p0 1086 ± 0.8261
1200
1150
1100
1050
1000

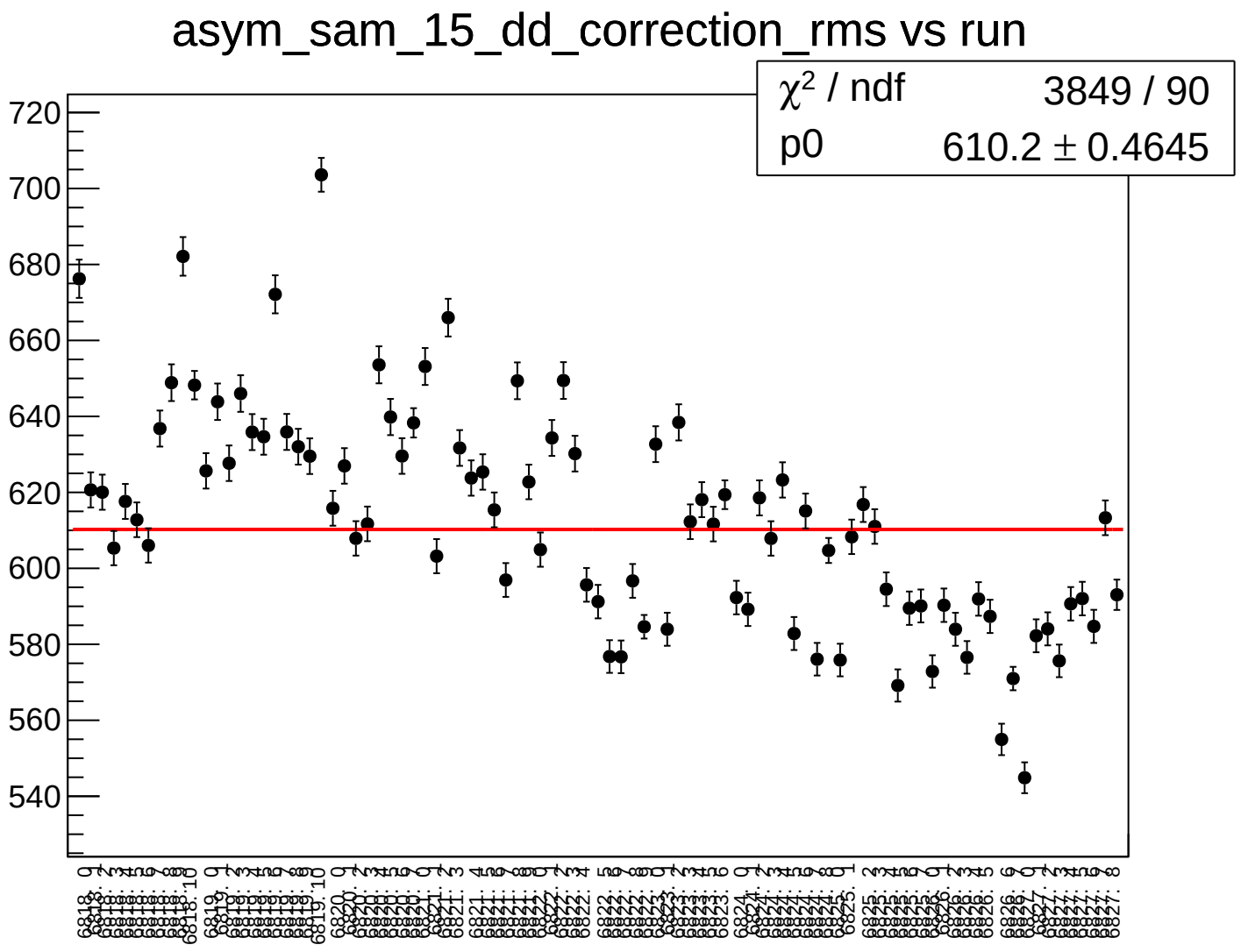

dit_asym_sam_15_dd_mean vs run
χ² / ndf 96.27 / 90
p0 276.2 ± 130.2
4000
2000
0
−2000
−4000
pull
Entries 91
Mean 186.2
Std Dev 144.2
2
1
0
−1
−2

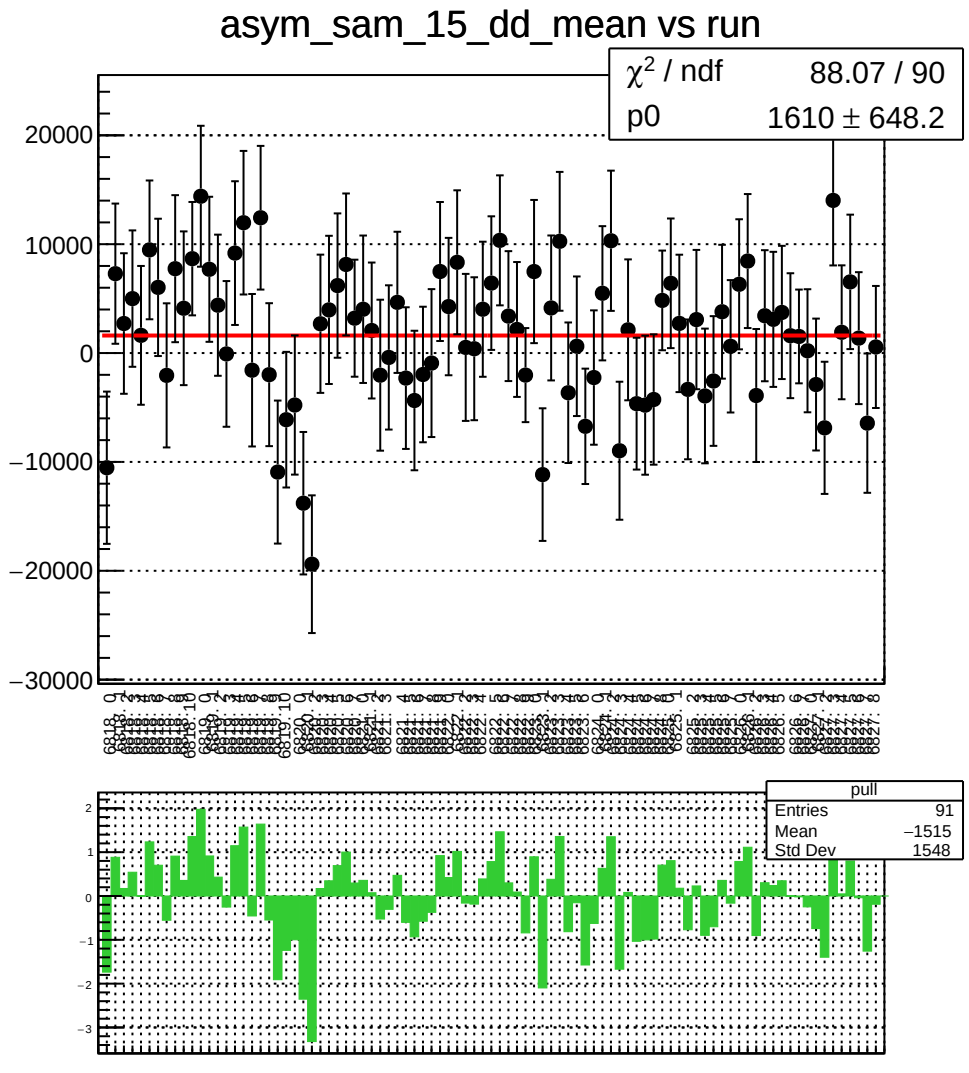

pull1D
Entries 91
Mean 0.009586
Std Dev 1.029
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

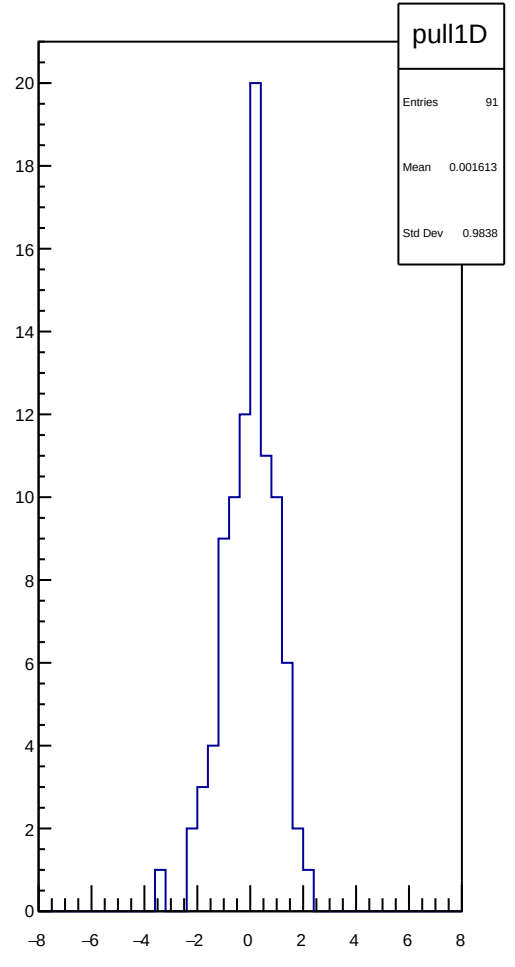

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1490 / 90
p0 121 ± 0.09206
128
126
124
122
120
118
116
114
112
110

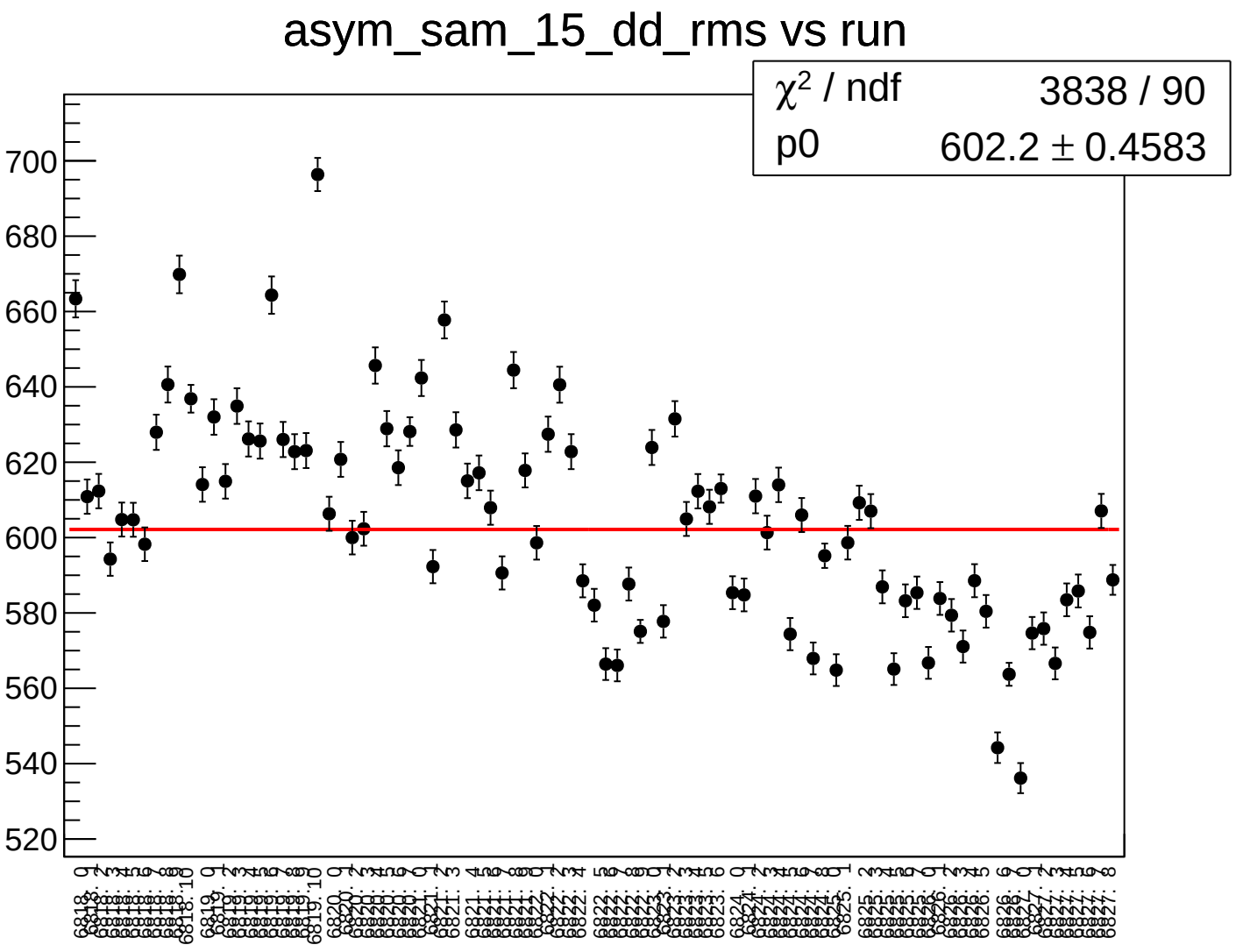

asym_sam_15_dd_correction_mean vs run
χ² / ndf 89.74 / 90
p0 −1322 ± 656.9
30000
20000
10000
0
−10000
−20000
pull
Entries 91
Mean −4050
Std Dev 4085
3
2
1
0
−1
−2

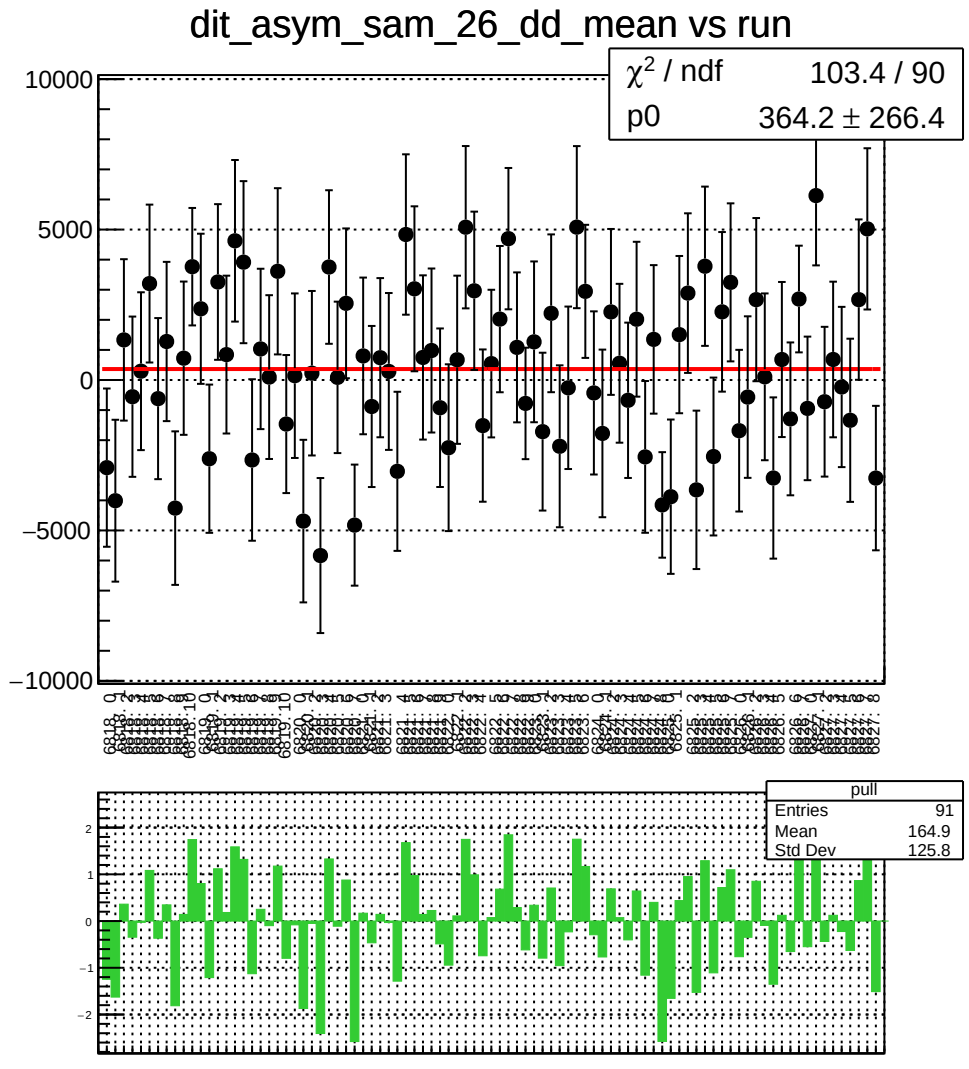

pull1D
Entries 91
Mean −0.000665
Std Dev 0.993
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

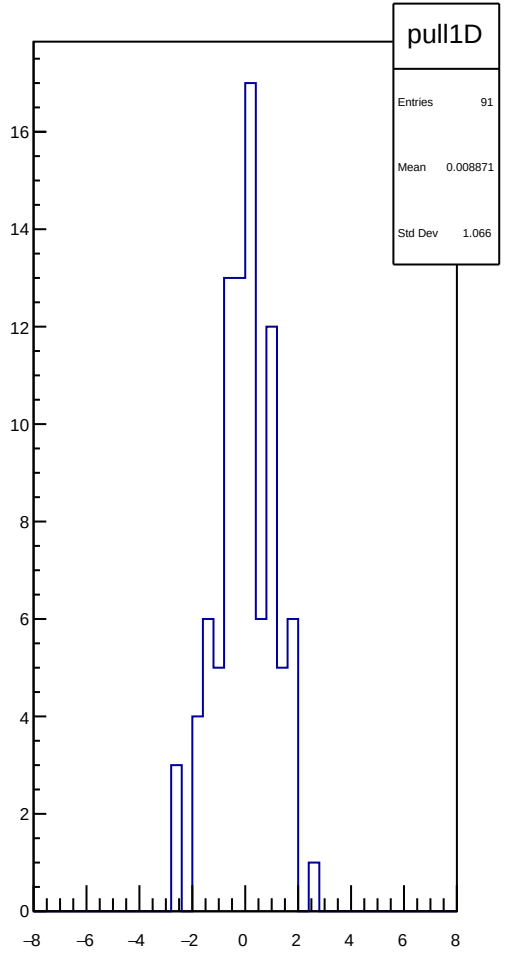

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3849 / 90
p0 610.2 ± 0.4645
720
700
680
660
640
620
600
580
560
540

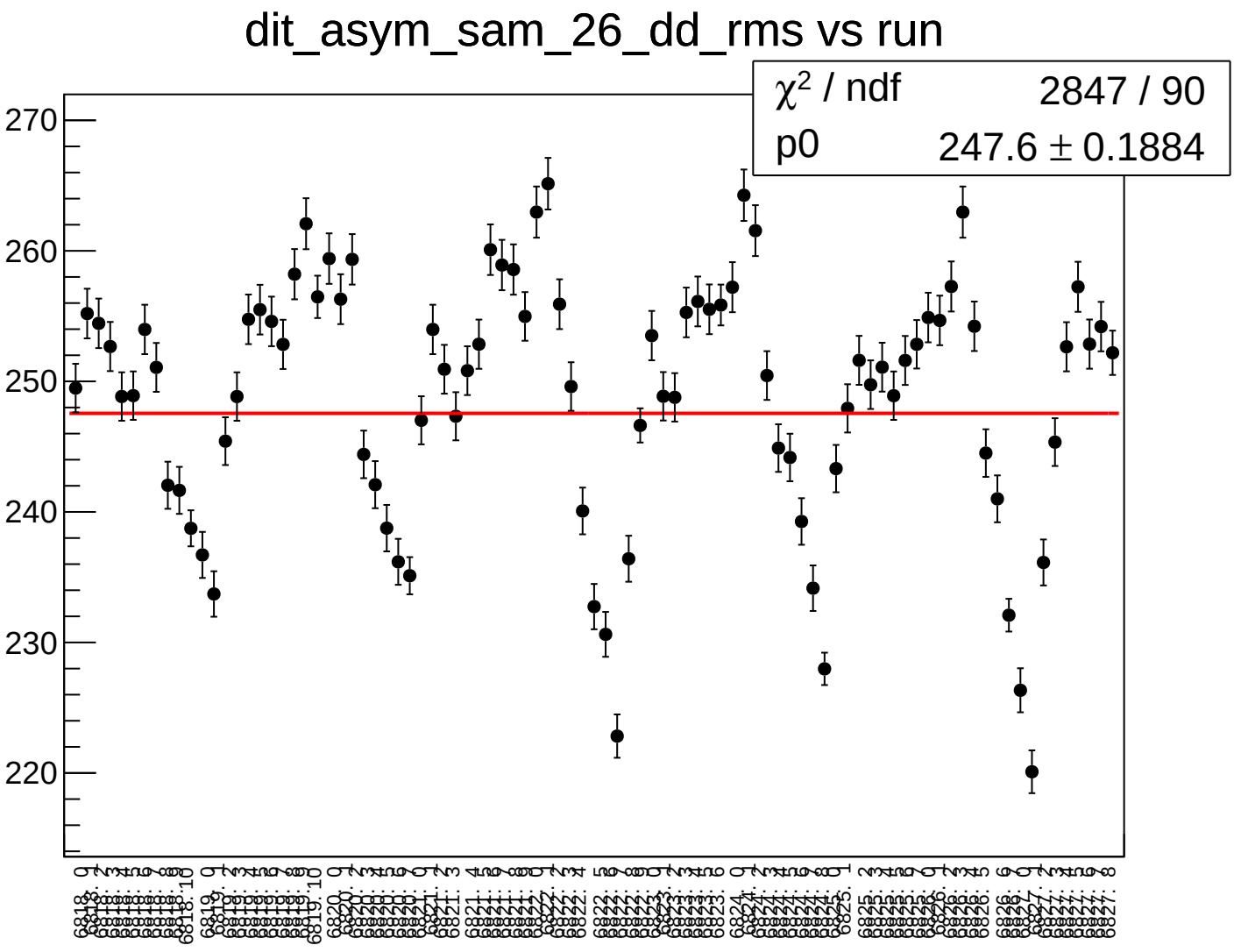

asym_sam_15_dd_mean vs run
χ² / ndf 88.07 / 90
p0 1610 ± 648.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 91
Mean −1515
Std Dev 1548
2
1
0
−1
−2
−3

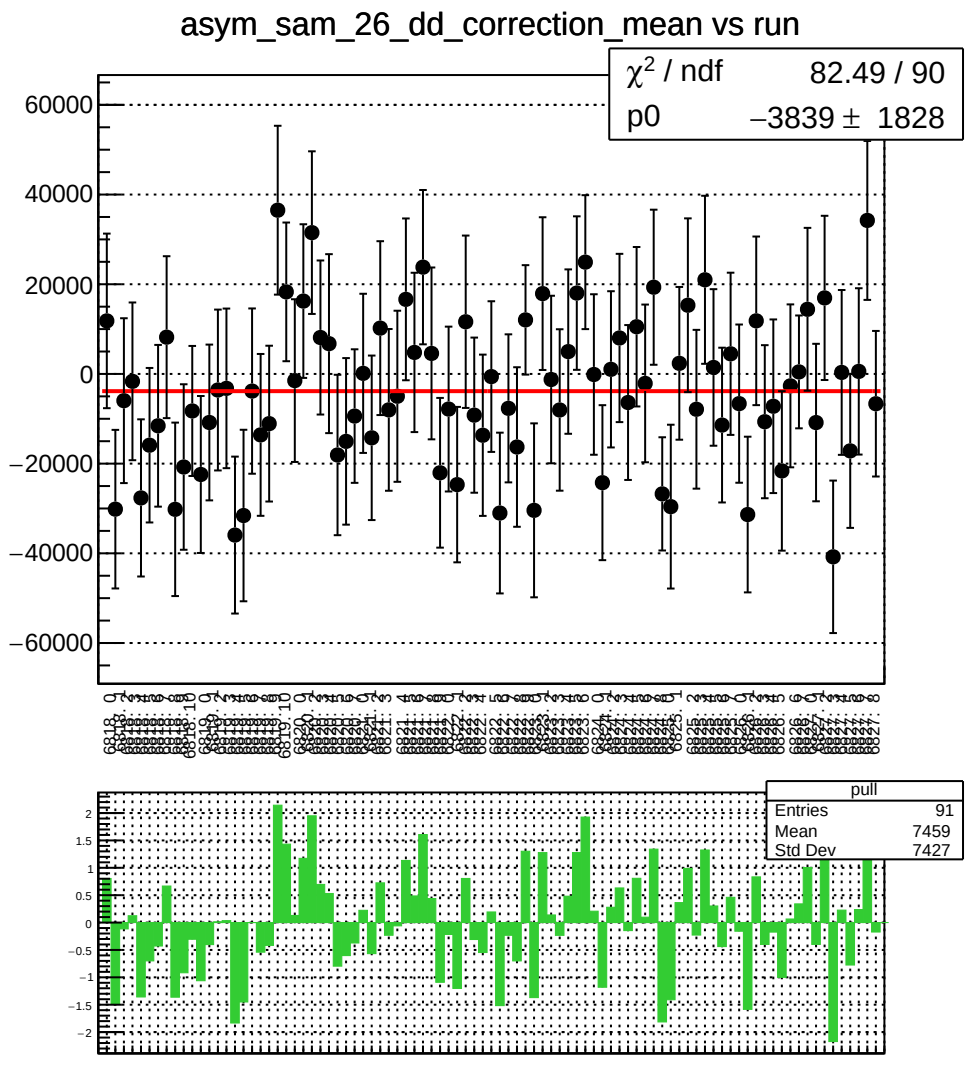

pull1D
Entries 91
Mean 0.001613
Std Dev 0.9838
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

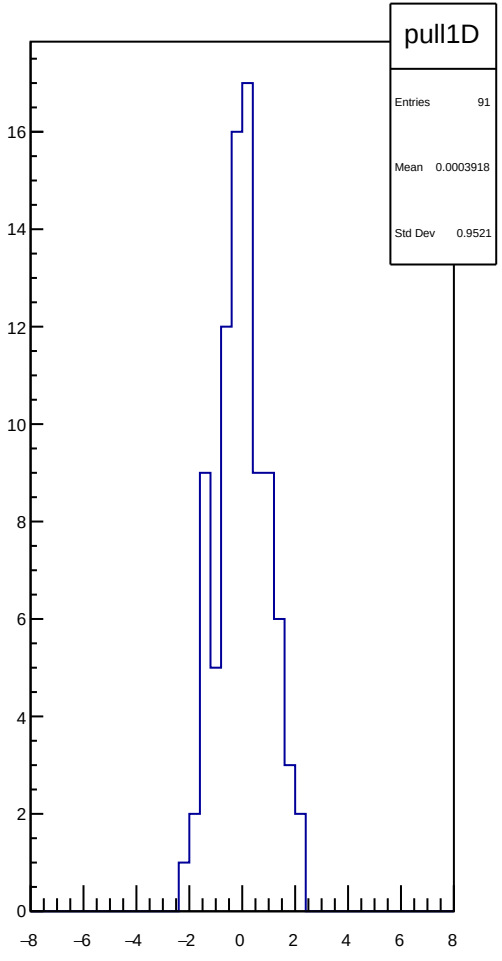

asym_sam_15_dd_rms vs run
χ² / ndf 3838 / 90
p0 602.2 ± 0.4583
700
680
660
640
620
600
580
560
540
520

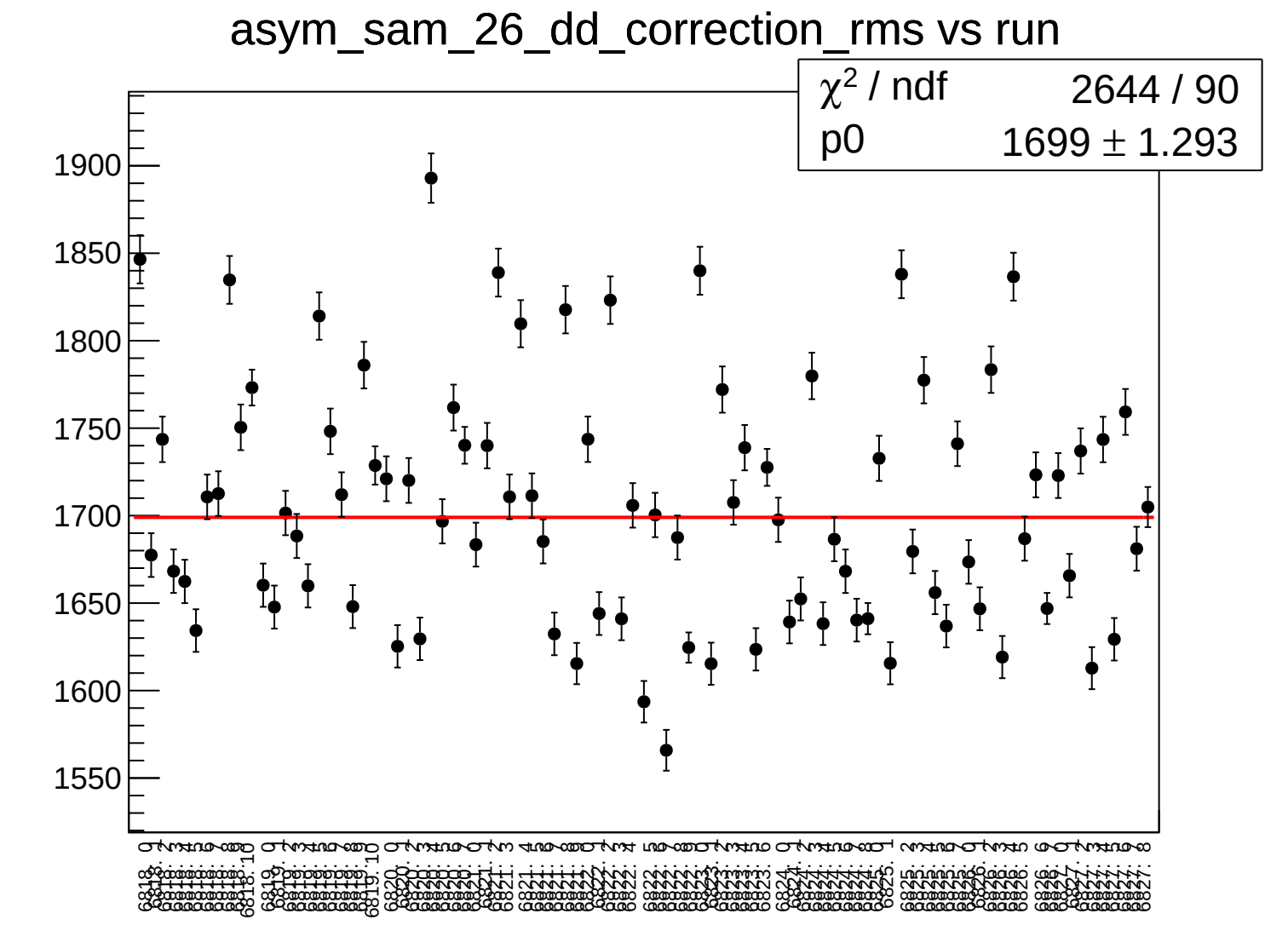

dit_asym_sam_26_dd_mean vs run
χ² / ndf 103.4 / 90
p0 364.2 ± 266.4
10000
5000
0
−5000
−10000
pull
Entries 91
Mean 164.9
Std Dev 125.8
2
1
0
−1
−2

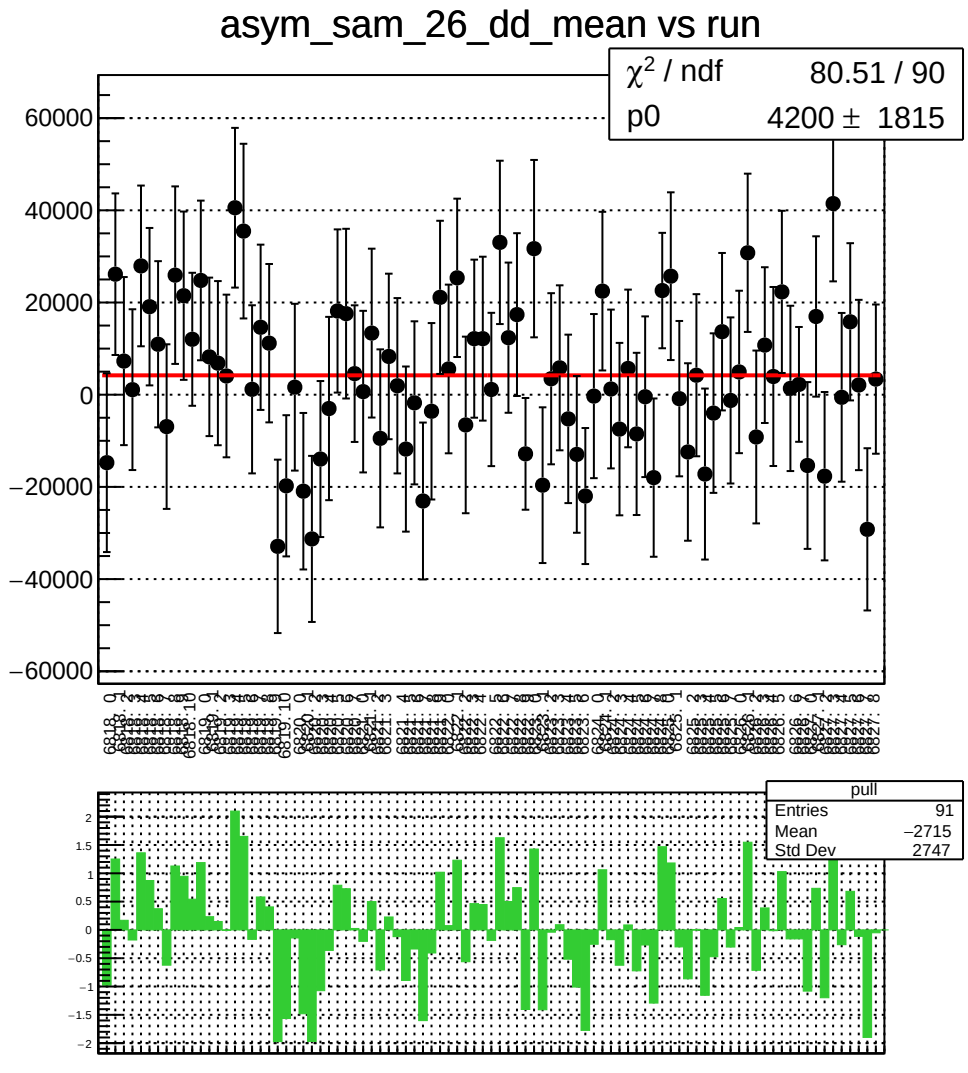

pull1D
Entries 91
Mean 0.008871
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

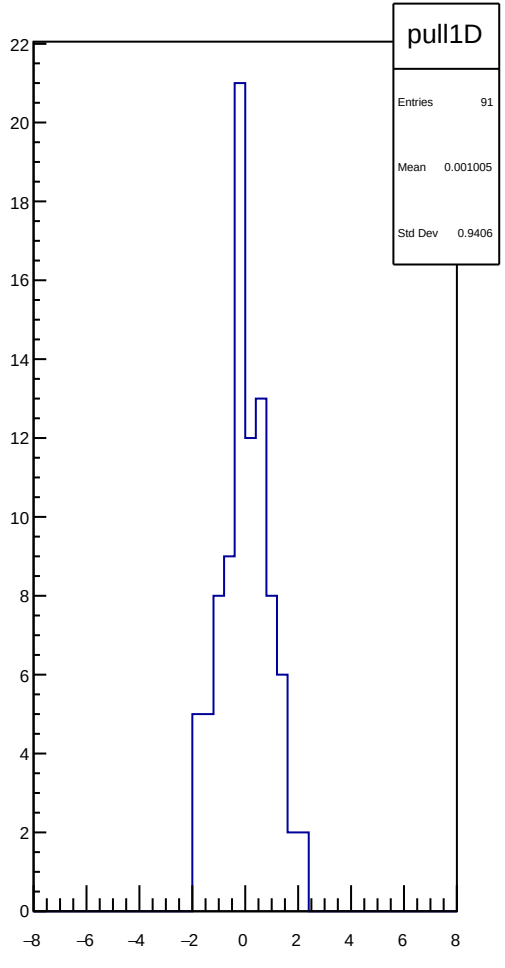

dit_asym_sam_26_dd_rms vs run
χ² / ndf 2847 / 90
p0 247.6 ± 0.1884
270
260
250
240
230
220

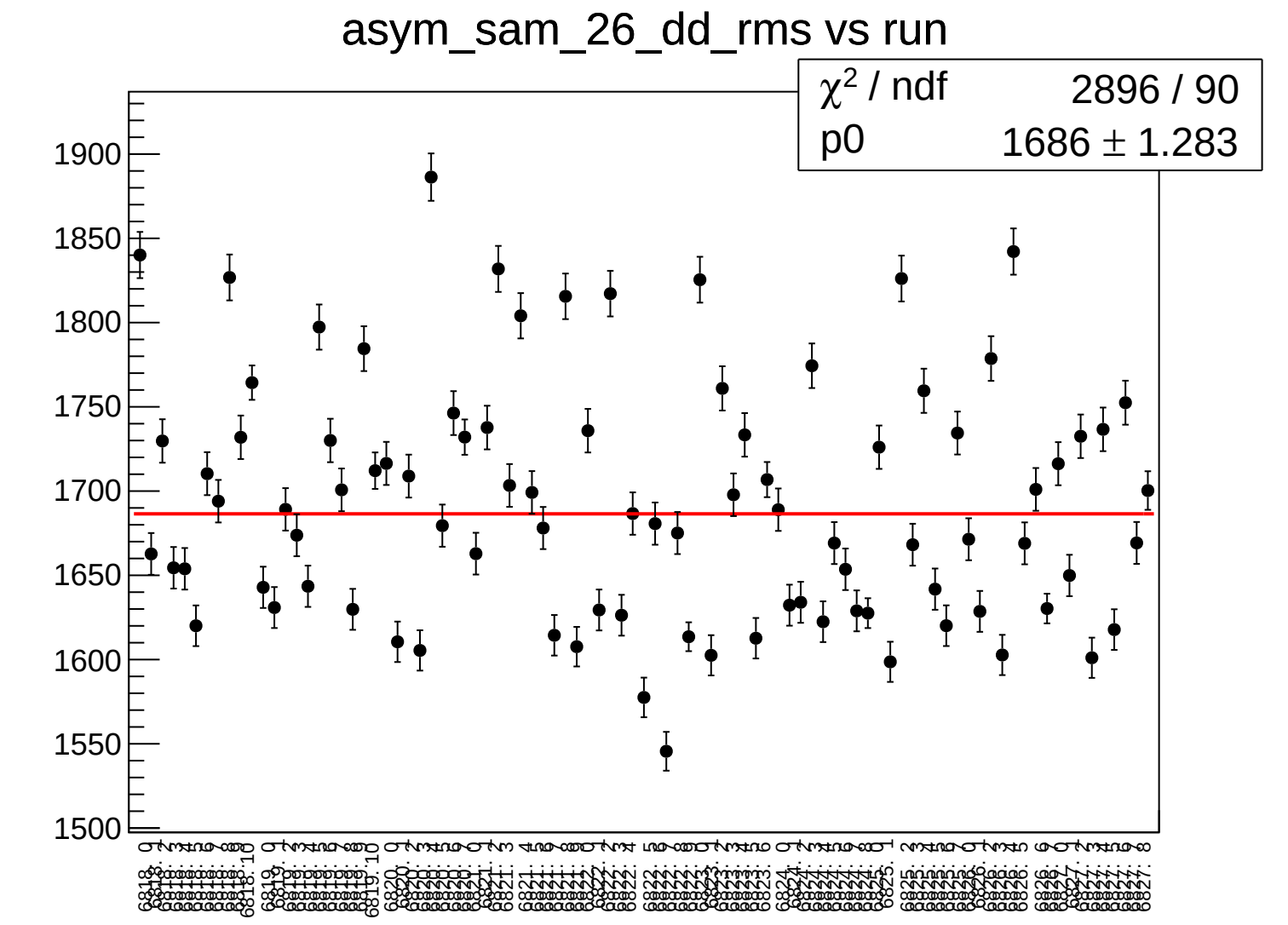

asym_sam_26_dd_correction_mean vs run
χ² / ndf 82.49 / 90
p0 −3839 ± 1828
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 91
Mean 7459
Std Dev 7427
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

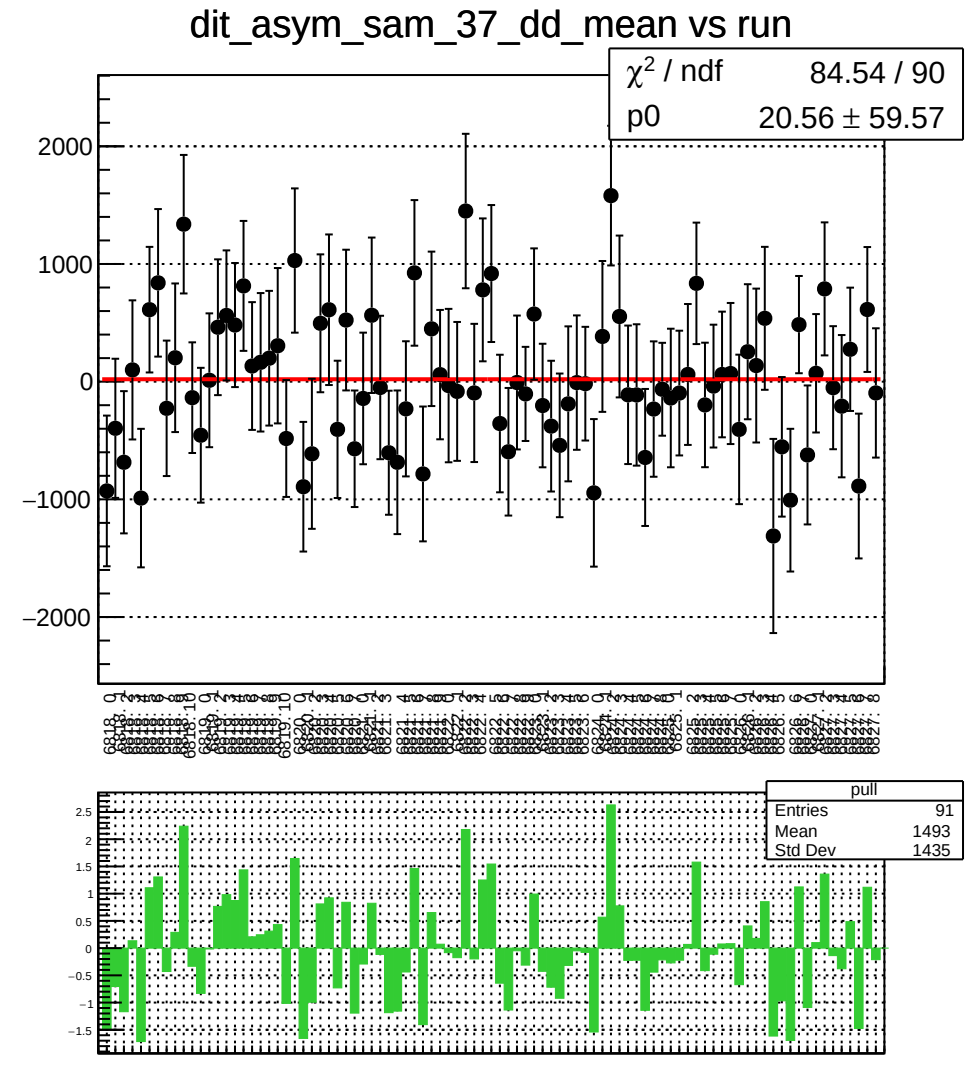

pull1D
Entries 91
Mean 0.0003918
Std Dev 0.9521
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

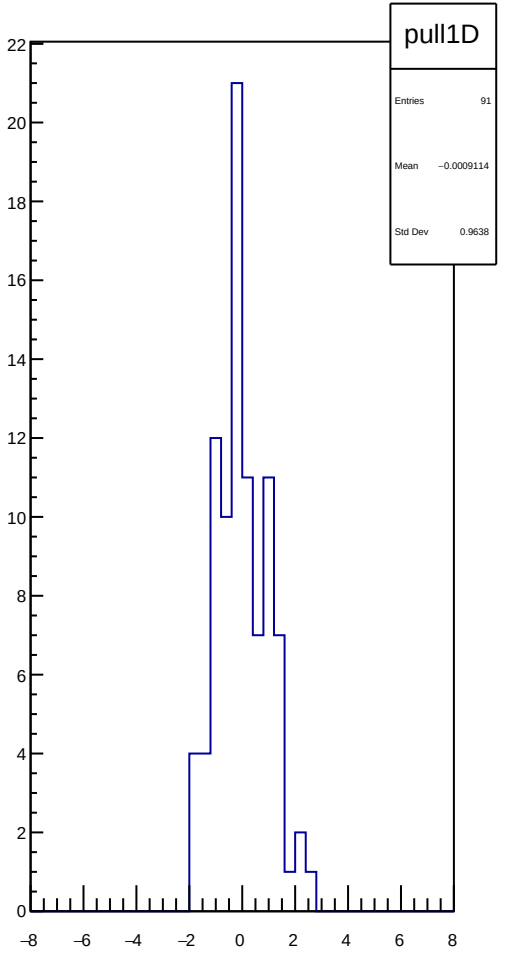

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2644 / 90
p0 1699 ± 1.293
1900
1850
1800
1750
1700
1650
1600
1550

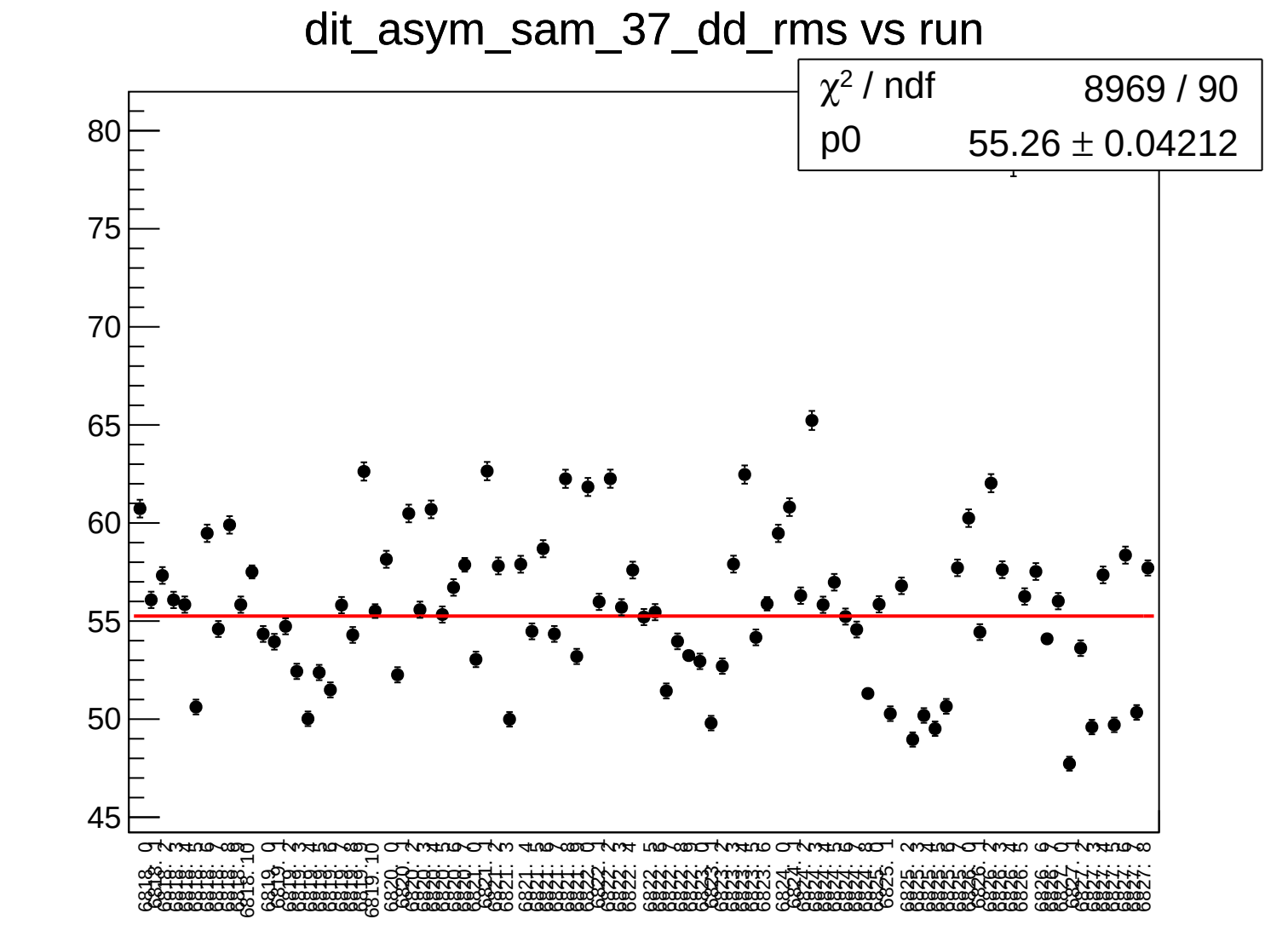

asym_sam_26_dd_mean vs run
χ² / ndf 80.51 / 90
p0 4200 ± 1815
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 91
Mean −2715
Std Dev 2747
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

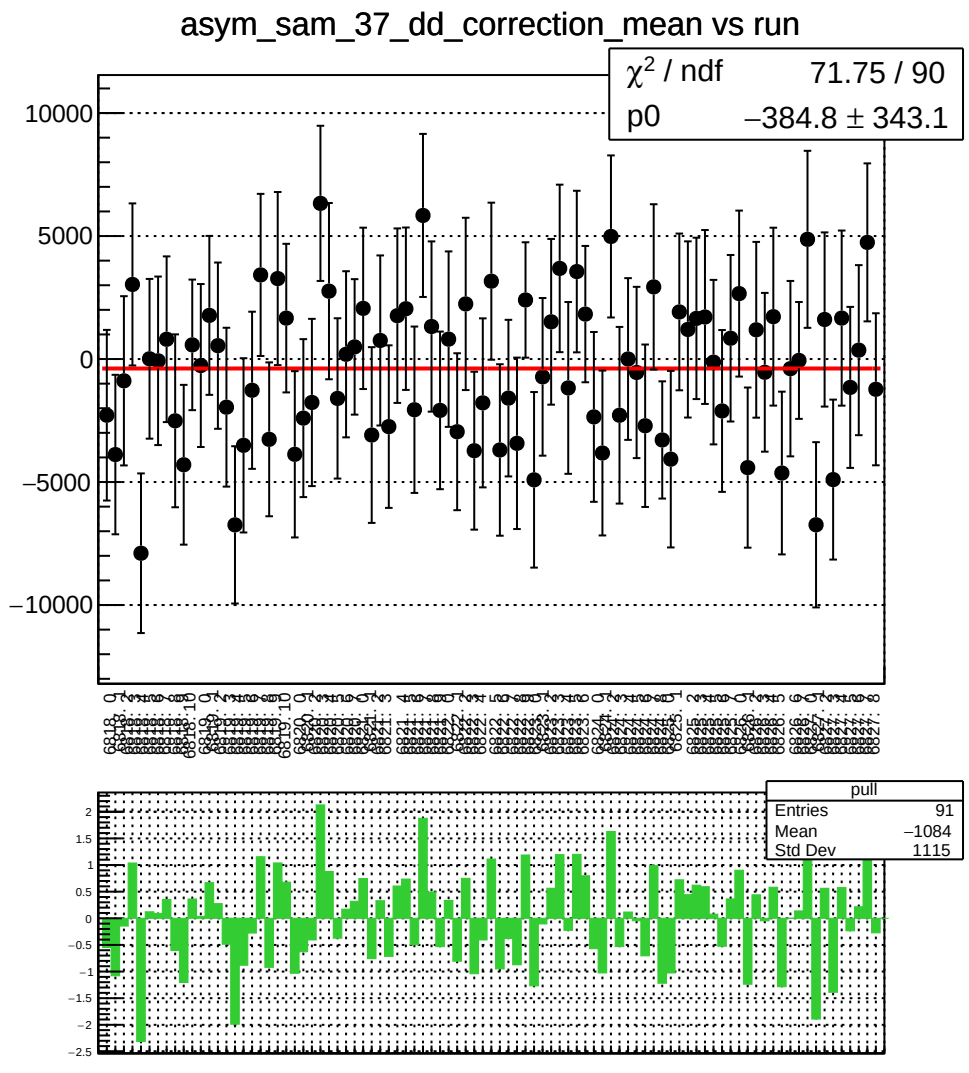

pull1D
Entries 91
Mean 0.001005
Std Dev 0.9406
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

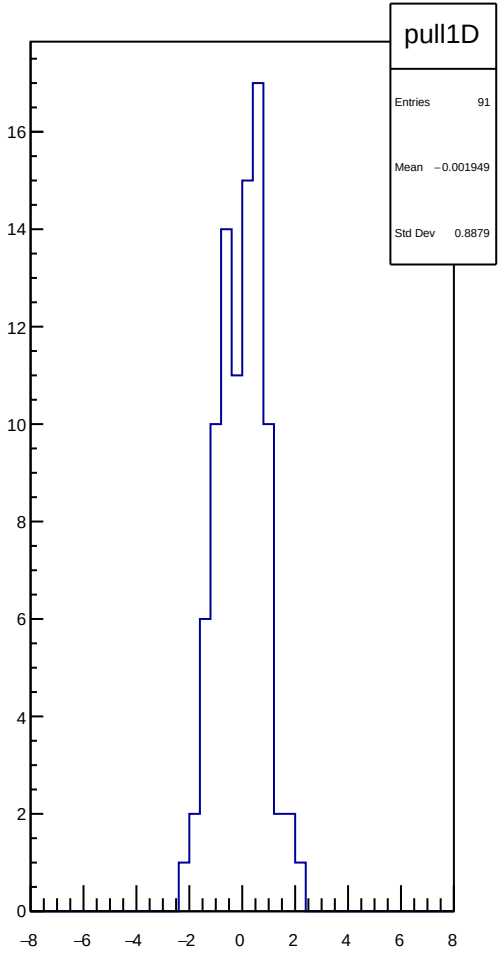

asym_sam_26_dd_rms vs run
χ² / ndf 2896 / 90
p0 1686 ± 1.283
1900
1850
1800
1750
1700
1650
1600
1550
1500

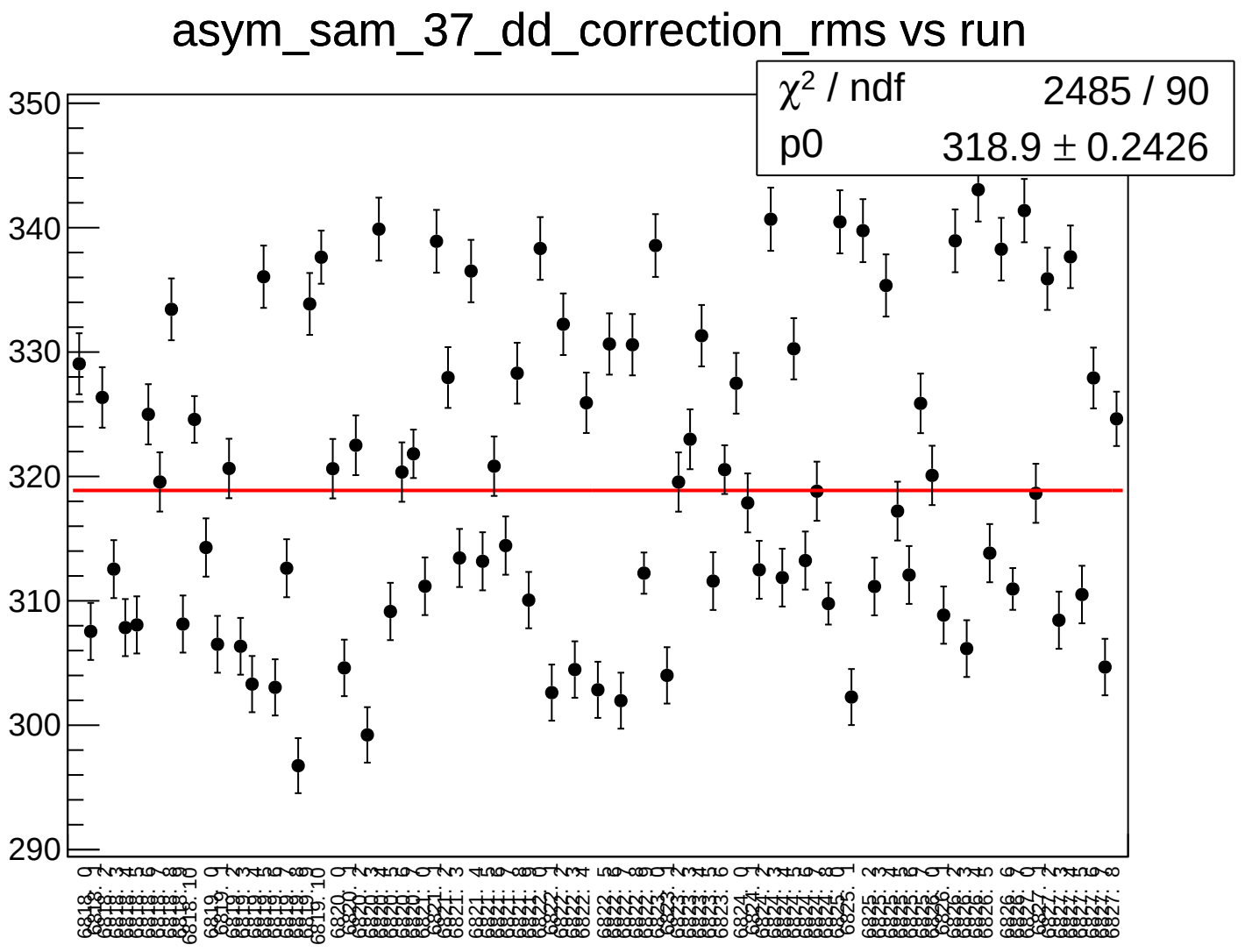

dit_asym_sam_37_dd_mean vs run
χ² / ndf 84.54 / 90
p0 20.56 ± 59.57
2000
1000
0
−1000
−2000
pull
Entries 91
Mean 1493
Std Dev 1435
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

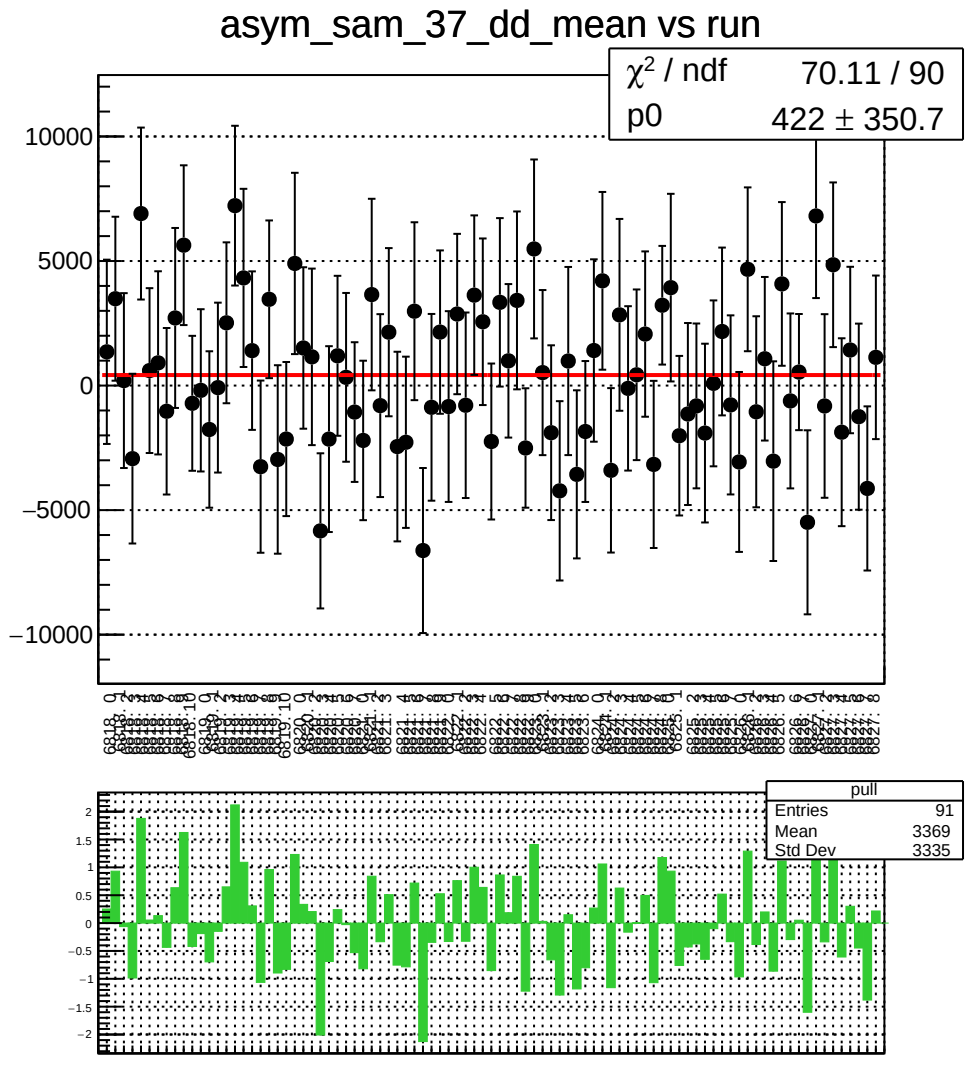

pull1D
Entries 91
Mean −0.0009114
Std Dev 0.9638
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

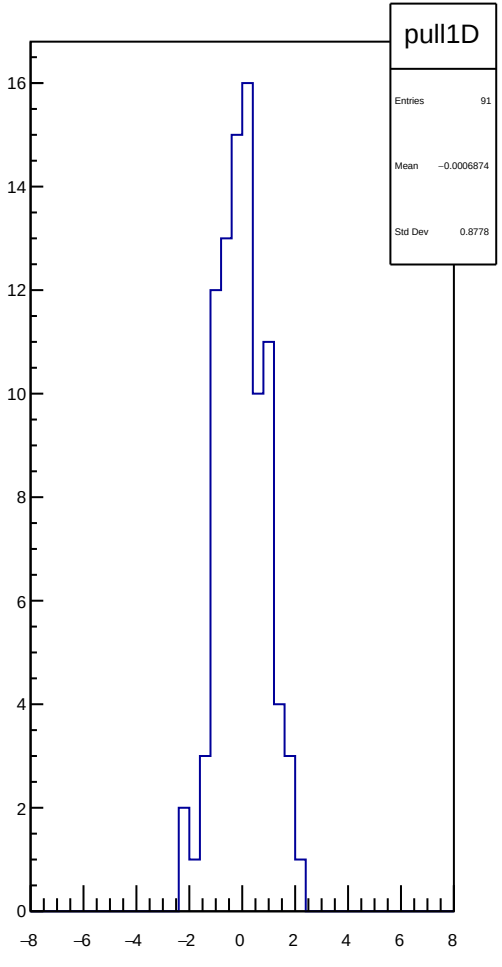

dit_asym_sam_37_dd_rms vs run
χ² / ndf 8969 / 90
p0 55.26 ± 0.04212
80
75
70
65
60
55
50
45

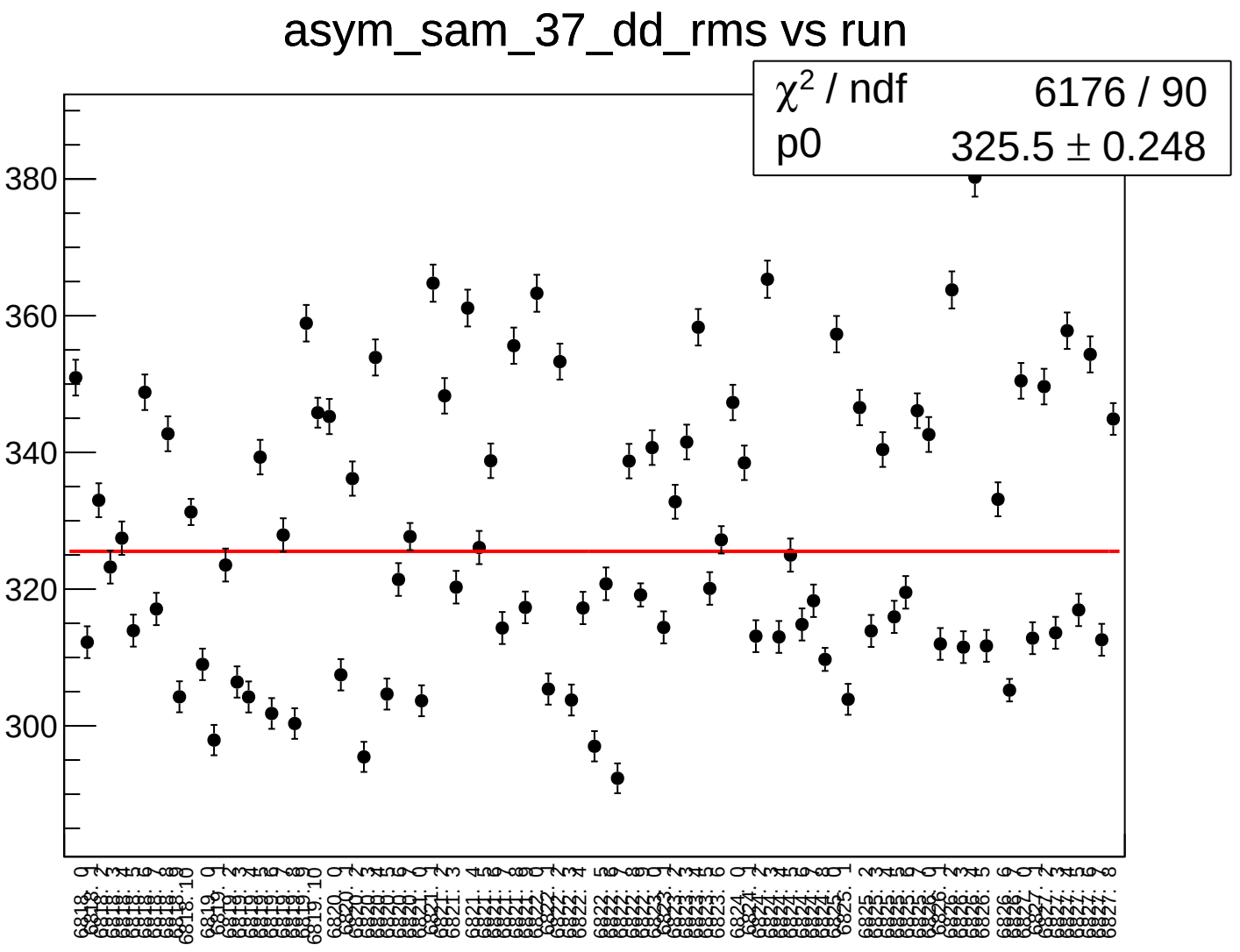

asym_sam_37_dd_correction_mean vs run
χ² / ndf 71.75 / 90
p0 −384.8 ± 343.1
10000
5000
0
−5000
−10000
pull
Entries 91
Mean −1084
Std Dev 1115
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

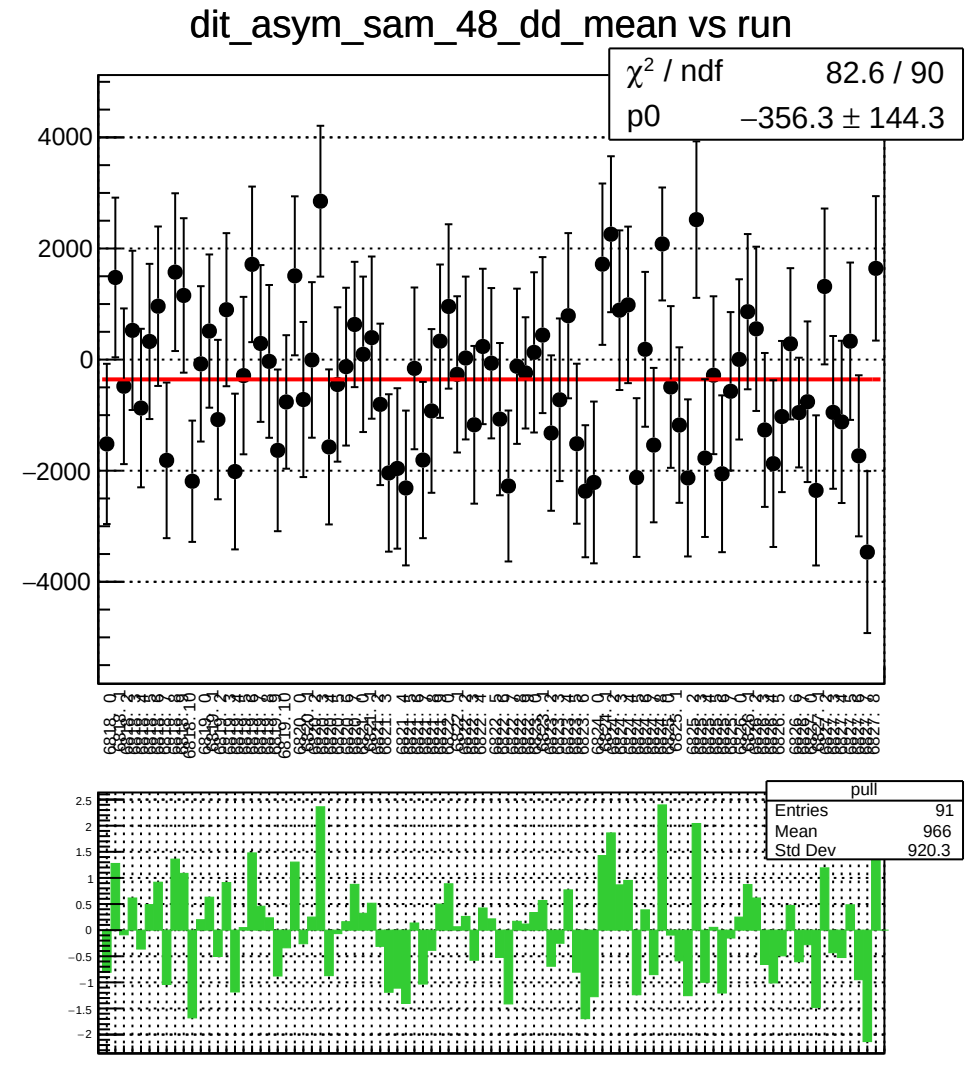

pull1D
Entries 91
Mean −0.001949
Std Dev 0.8879
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

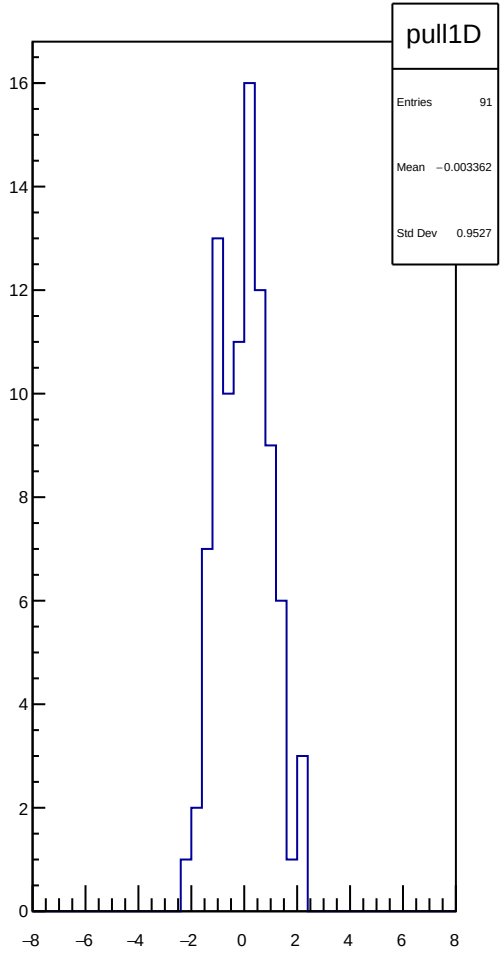

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2485 / 90
p0 318.9 ± 0.2426
350
340
330
320
310
300
290

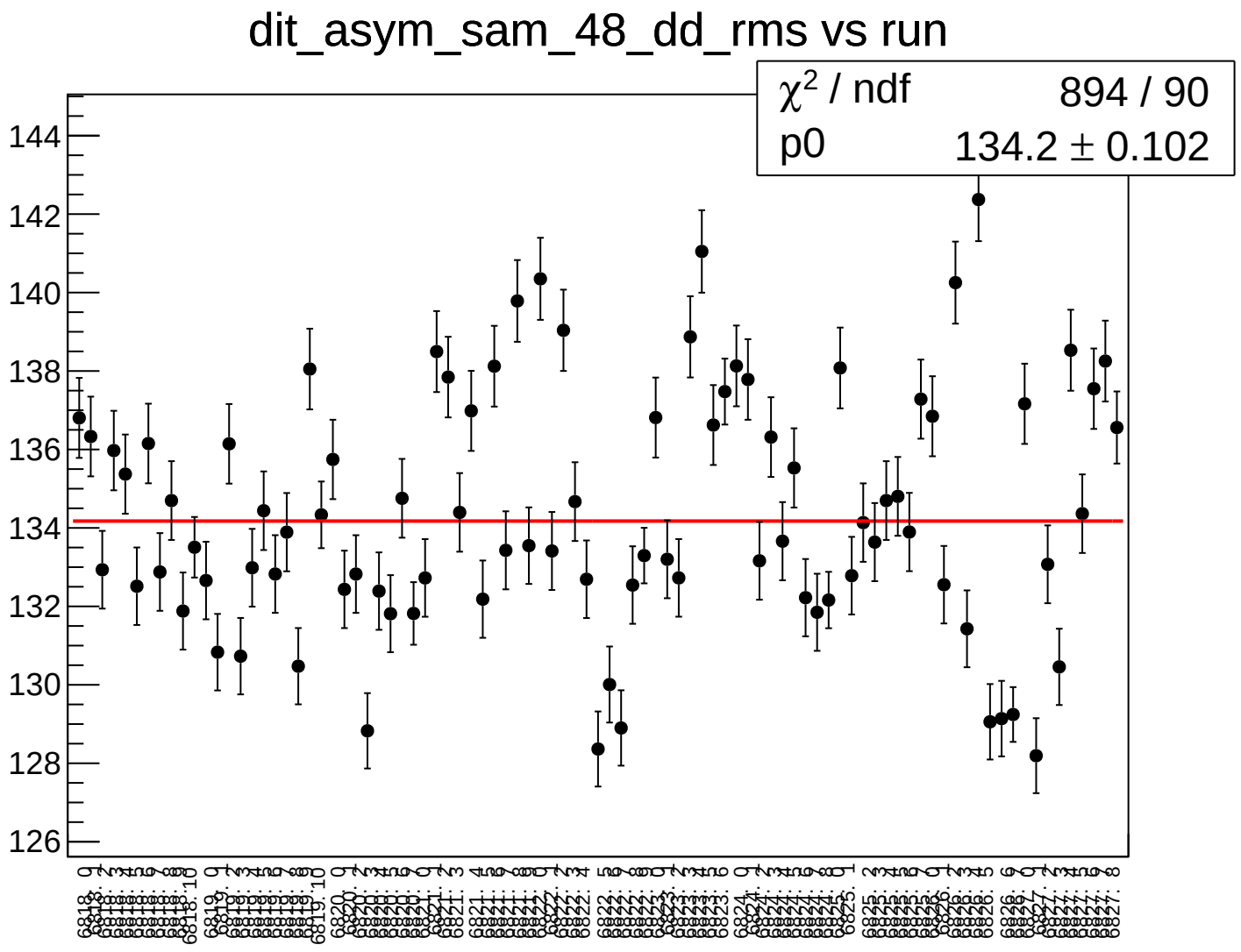

asym_sam_37_dd_mean vs run
χ² / ndf 70.11 / 90
p0 422 ± 350.7
10000
5000
0
−5000
−10000
pull
Entries 91
Mean 3369
Std Dev 3335
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

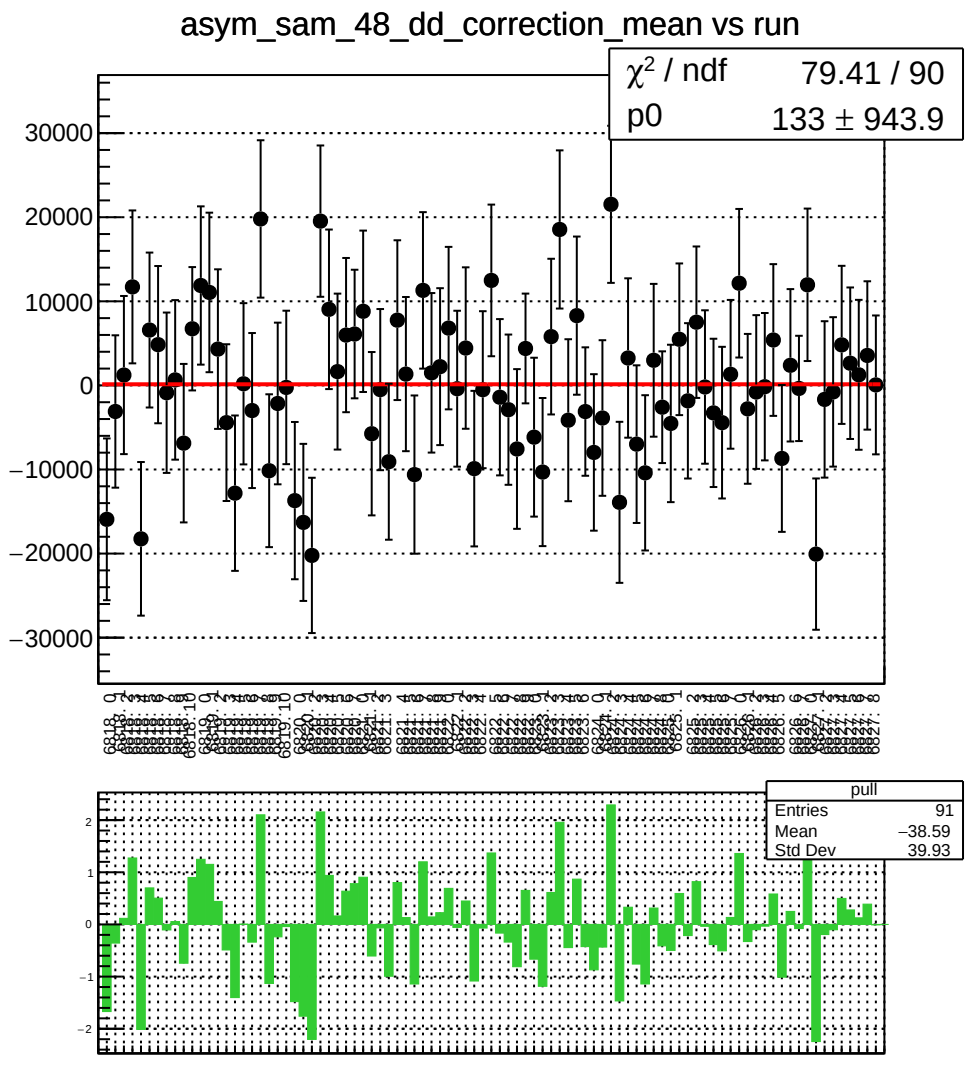

pull1D
Entries 91
Mean −0.0006874
Std Dev 0.8778
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

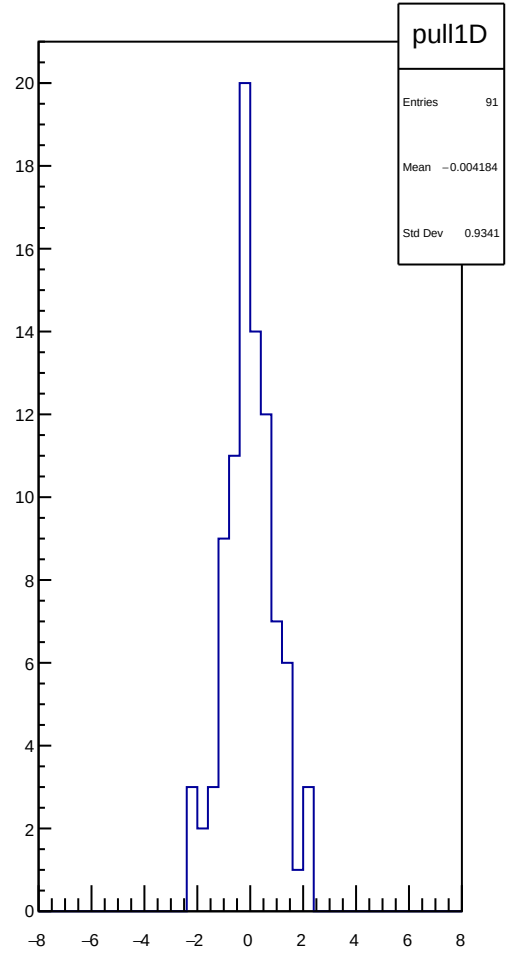

asym_sam_37_dd_rms vs run
χ² / ndf 6176 / 90
p0 325.5 ± 0.248
380
360
340
320
300

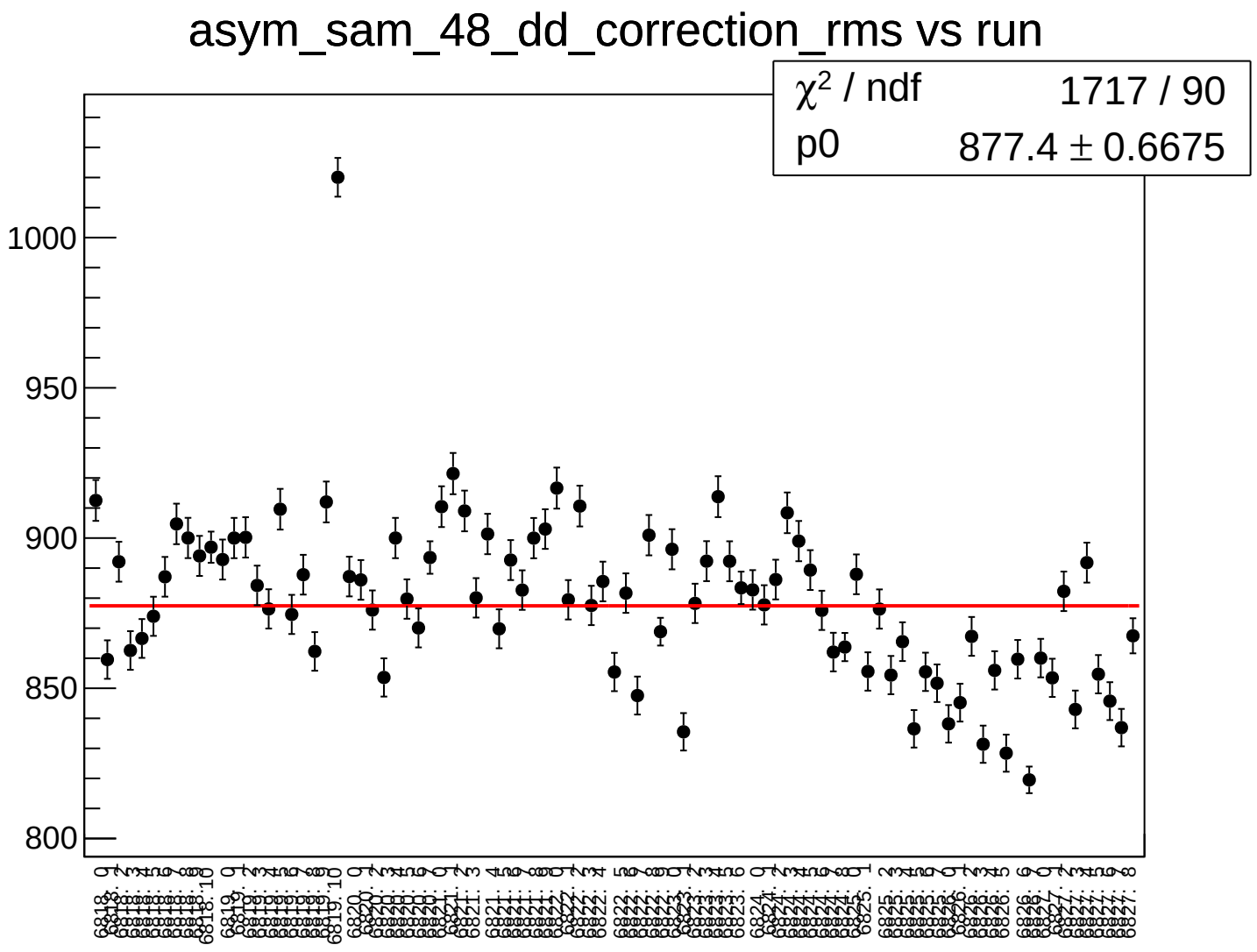

dit_asym_sam_48_dd_mean vs run
χ² / ndf 82.6 / 90
p0 −356.3 ± 144.3
4000
2000
0
−2000
−4000
pull
Entries 91
Mean 966
Std Dev 920.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

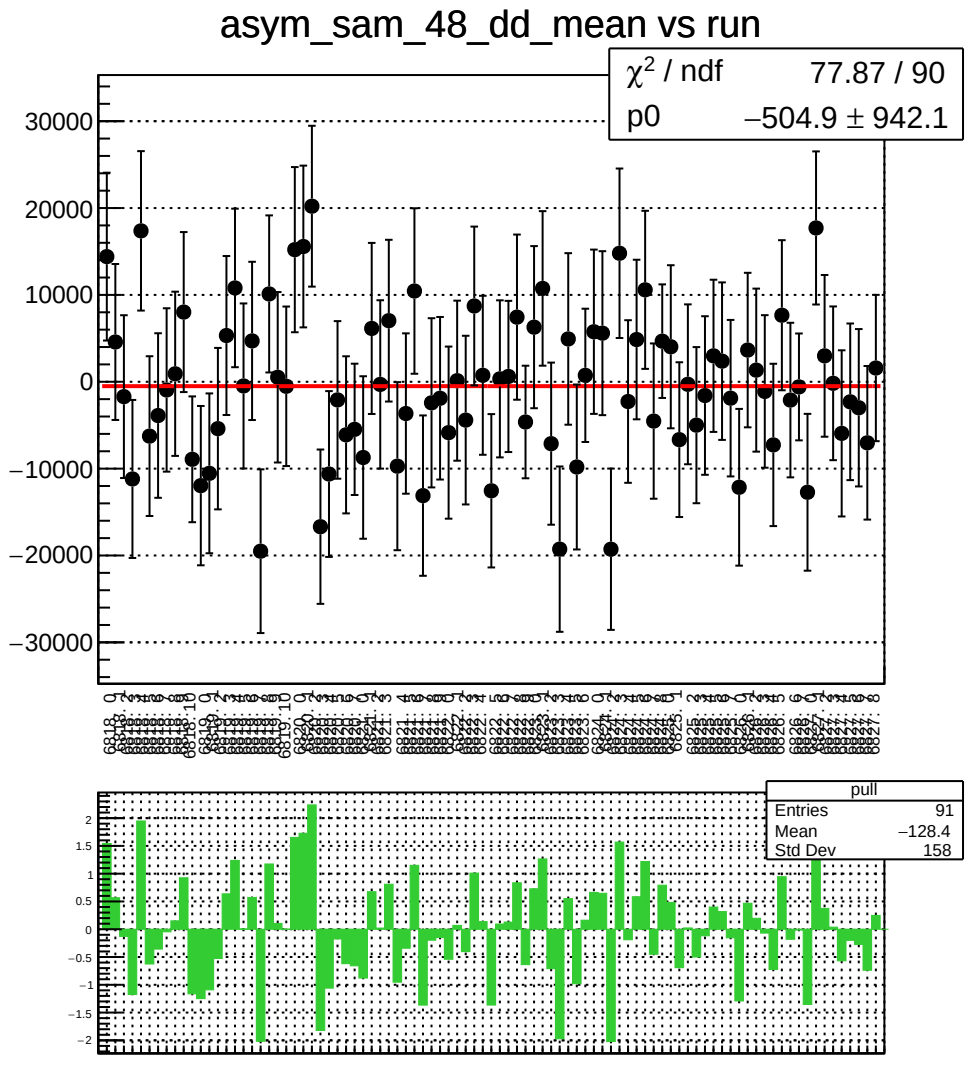

pull1D
Entries 91
Mean −0.003362
Std Dev 0.9527
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

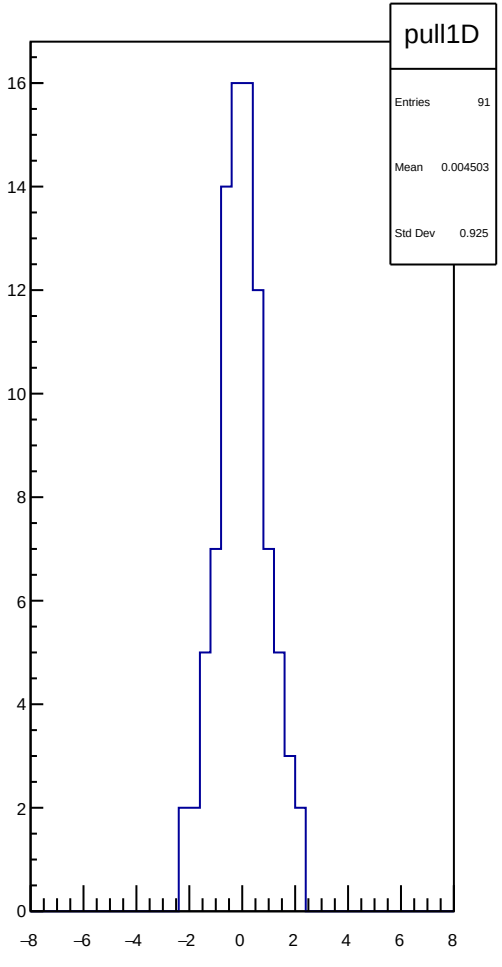

dit_asym_sam_48_dd_rms vs run
χ² / ndf 894 / 90
p0 134.2 ± 0.102
144
142
140
138
136
134
132
130
128
126

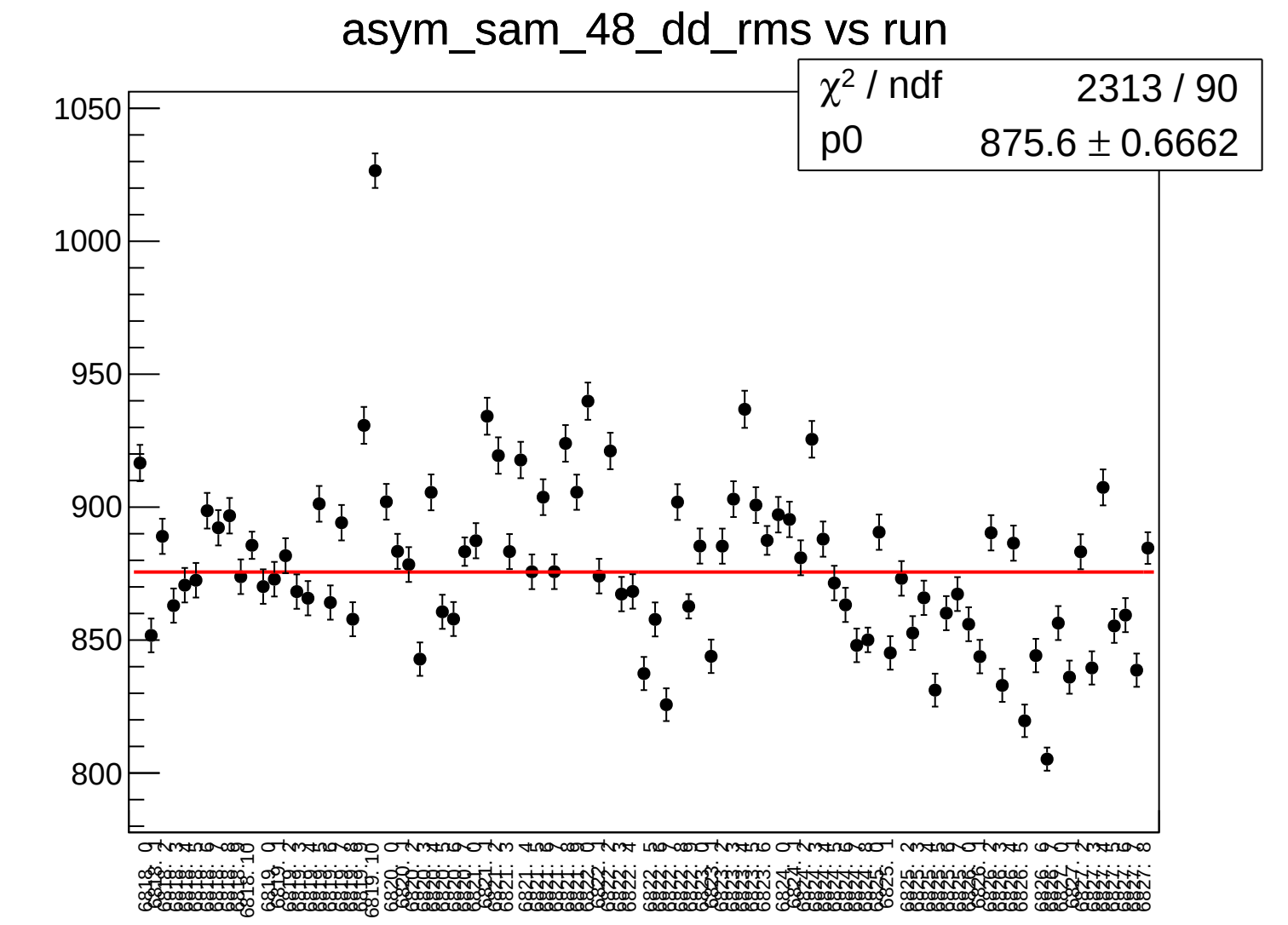

asym_sam_48_dd_correction_mean vs run
χ² / ndf 79.41 / 90
p0 133 ± 943.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 91
Mean −38.59
Std Dev 39.93
2
1
0
−1
−2

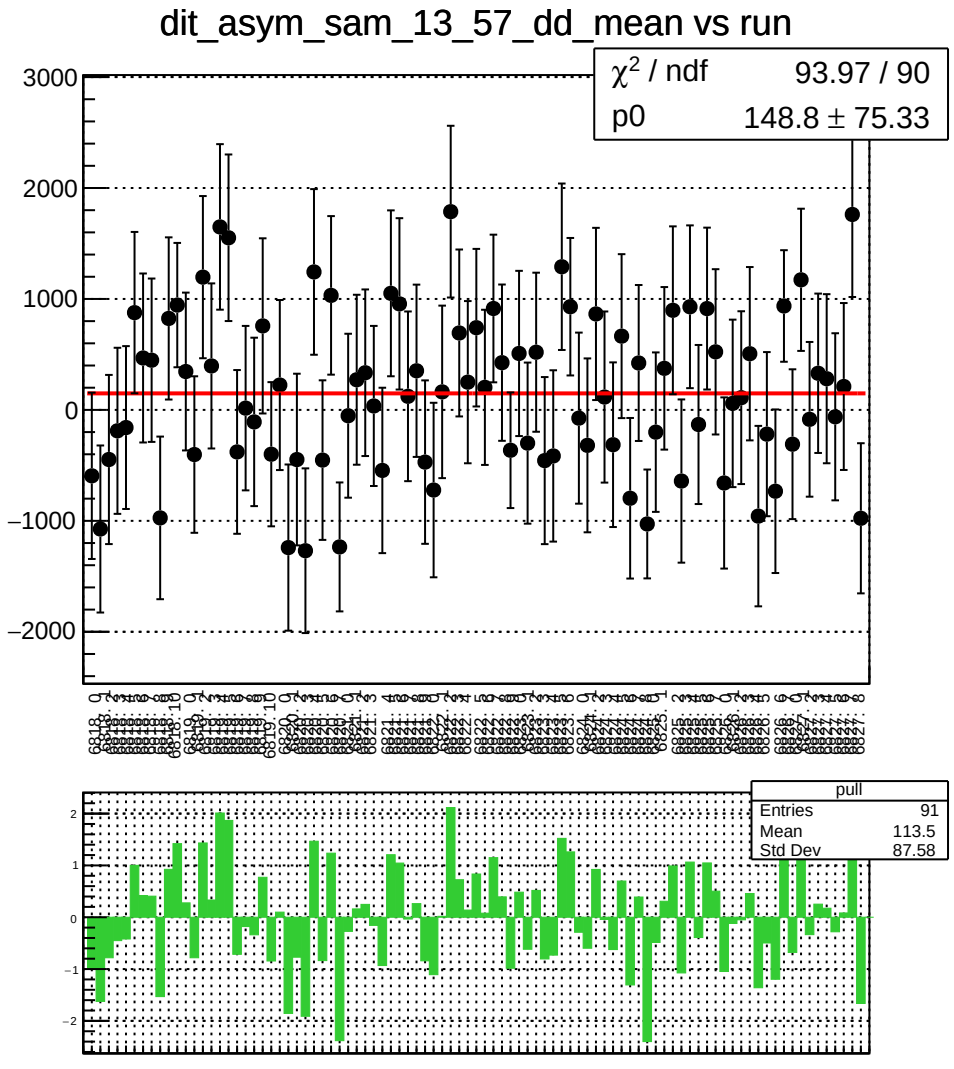

pull1D
Entries 91
Mean −0.004184
Std Dev 0.9341
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

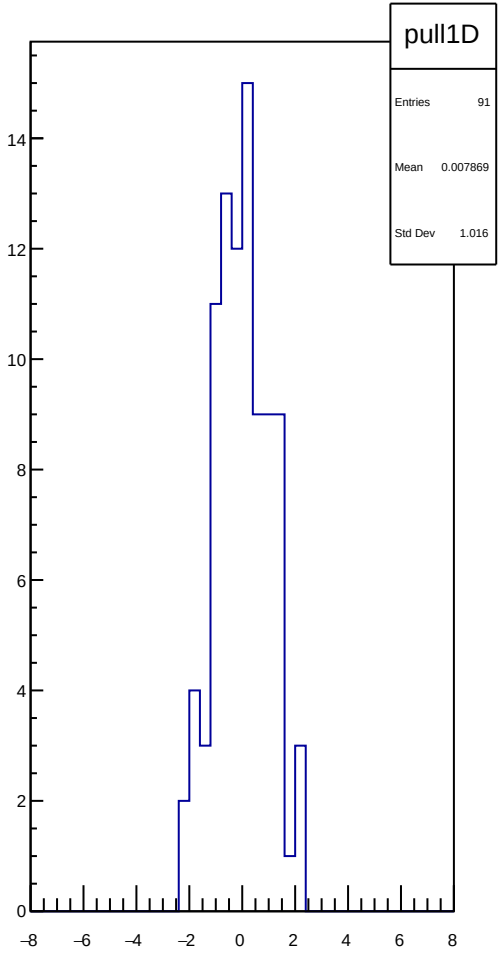

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1717 / 90
p0 877.4 ± 0.6675
1000
950
900
850
800

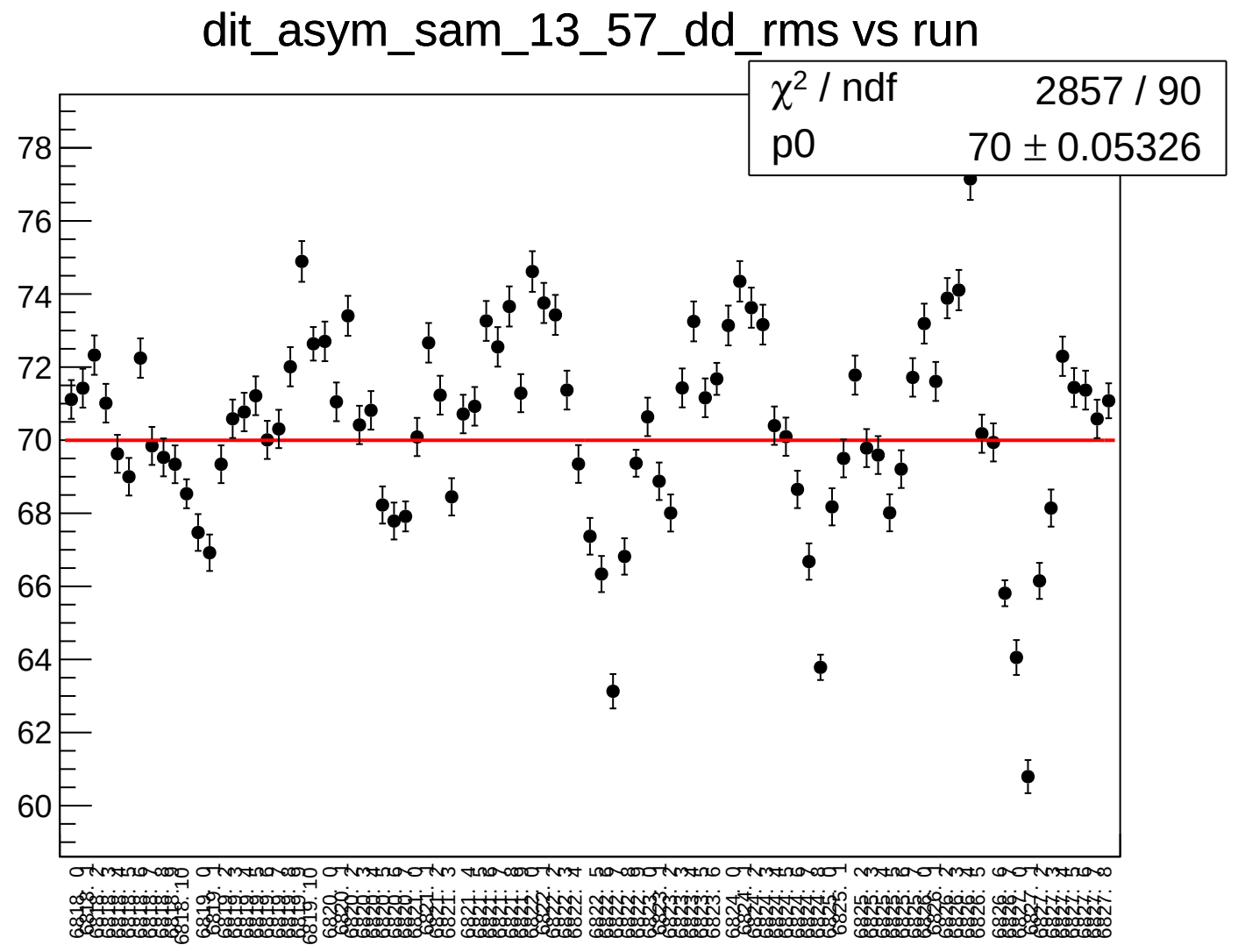

asym_sam_48_dd_mean vs run
χ² / ndf 77.87 / 90
p0 −504.9 ± 942.1
pull
Entries 91
Mean −128.4
Std Dev 158

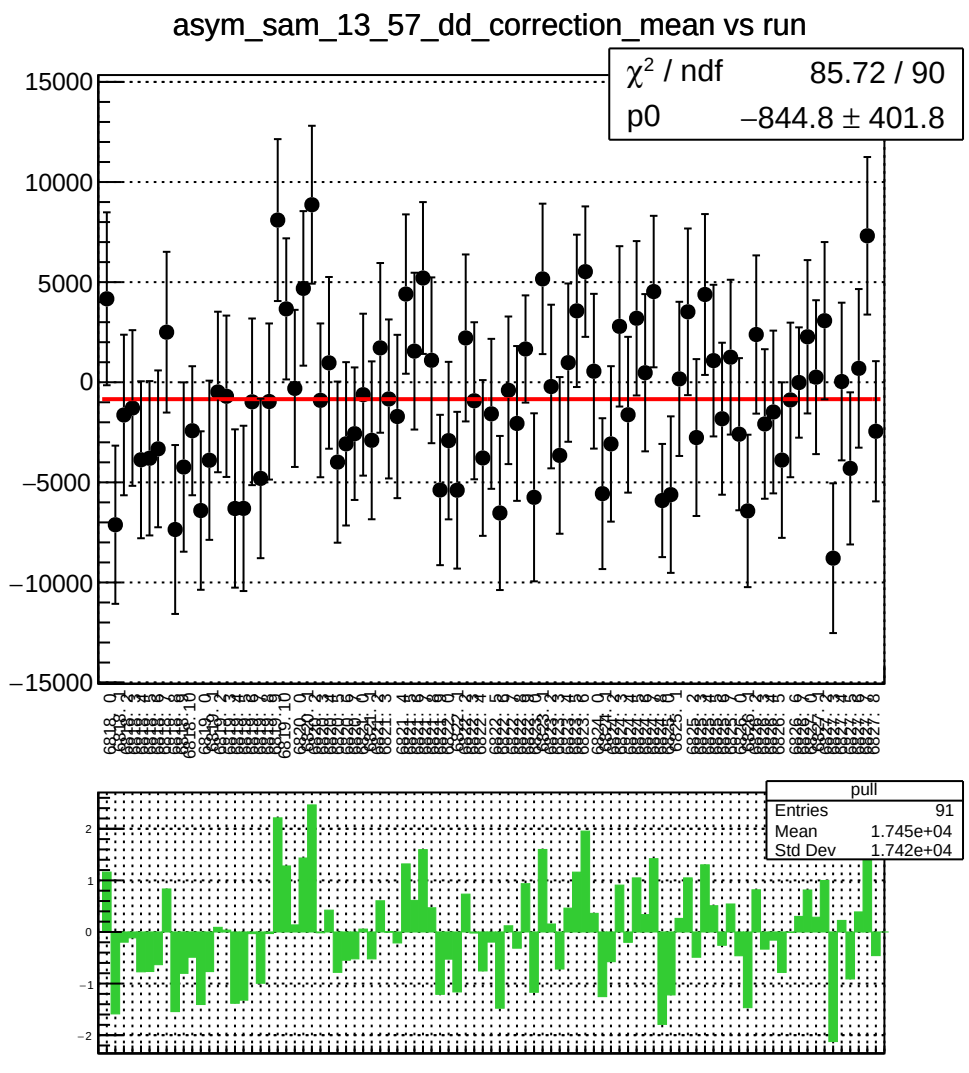

pull1D
Entries 91
Mean 0.004503
Std Dev 0.925

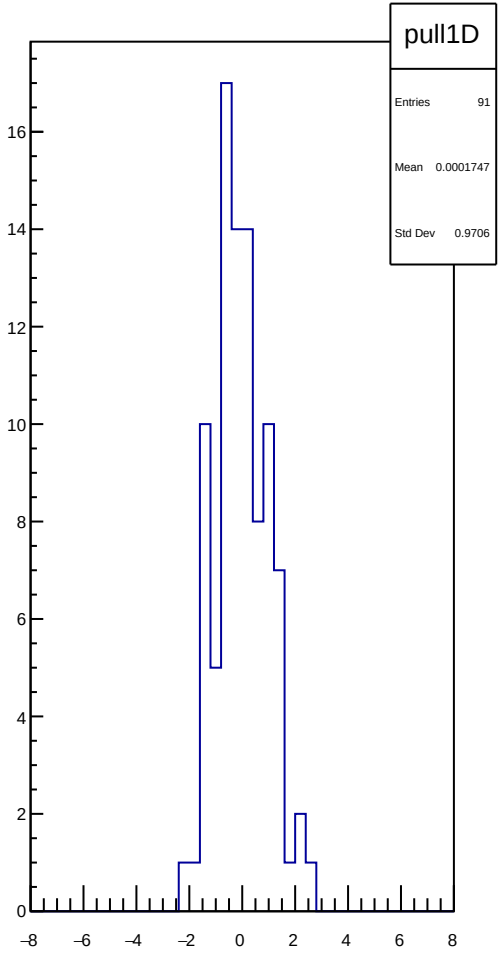

asym_sam_48_dd_rms vs run
χ^2 / ndf 2313 / 90
p0 875.6 ± 0.6662
1050
1000
950
900
850
800

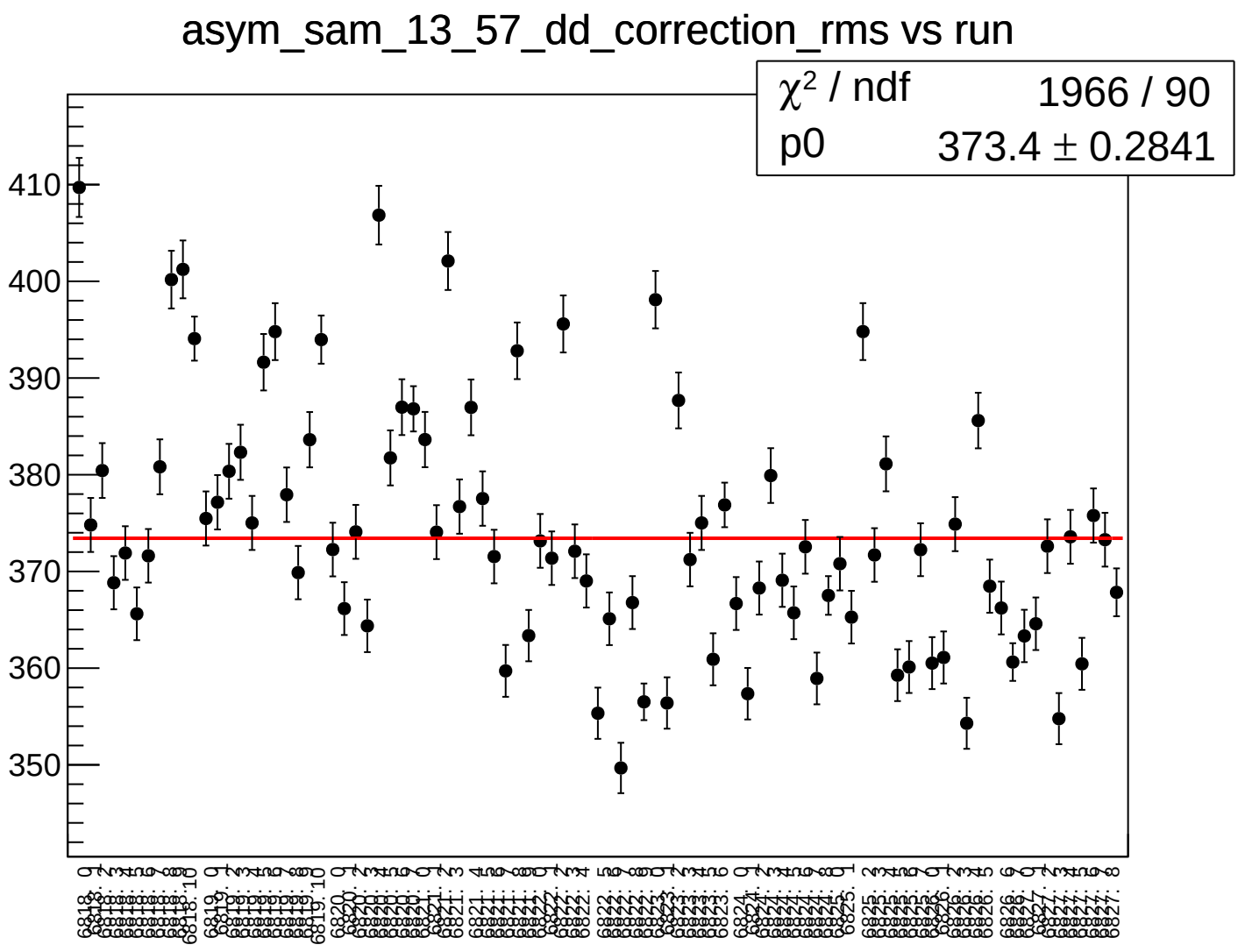

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 93.97 / 90
p0 148.8 ± 75.33
pull
Entries 91
Mean 113.5
Std Dev 87.58

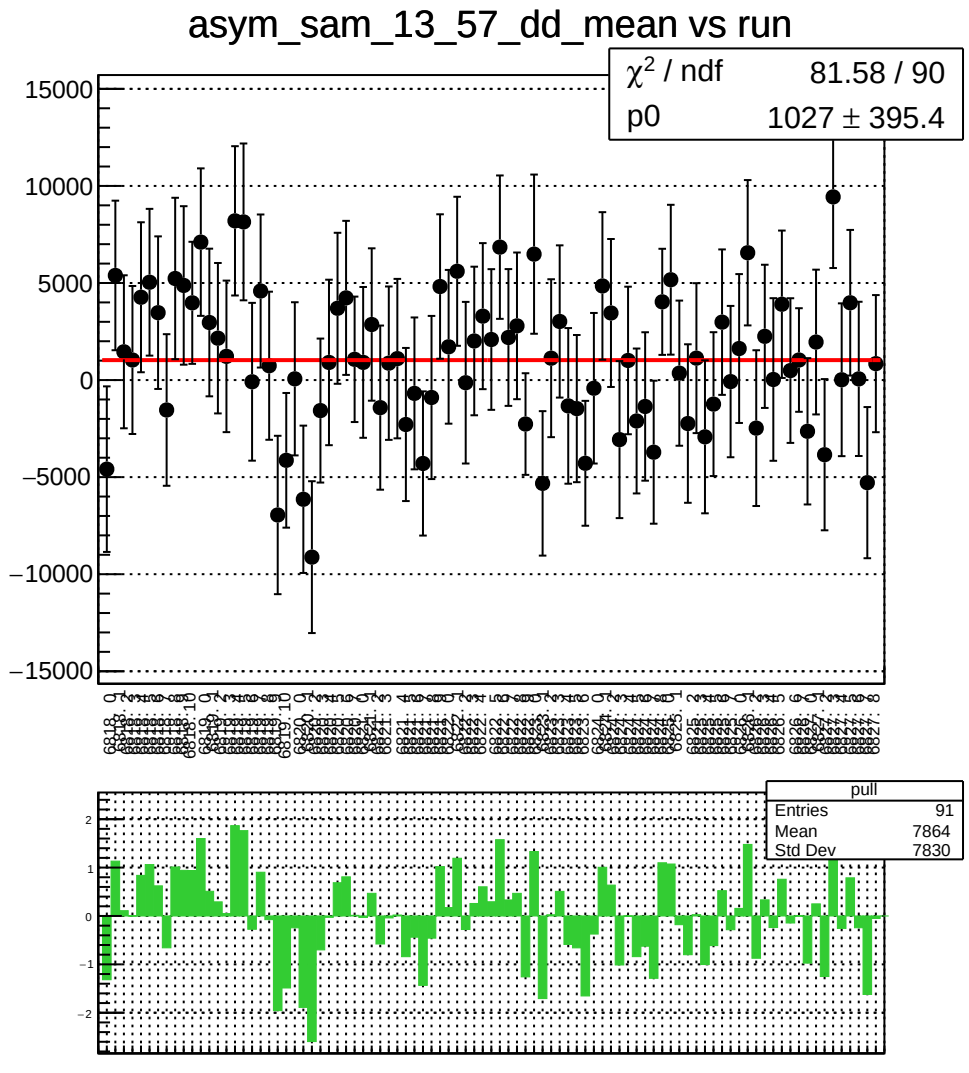

pull1D
Entries 91
Mean 0.007869
Std Dev 1.016

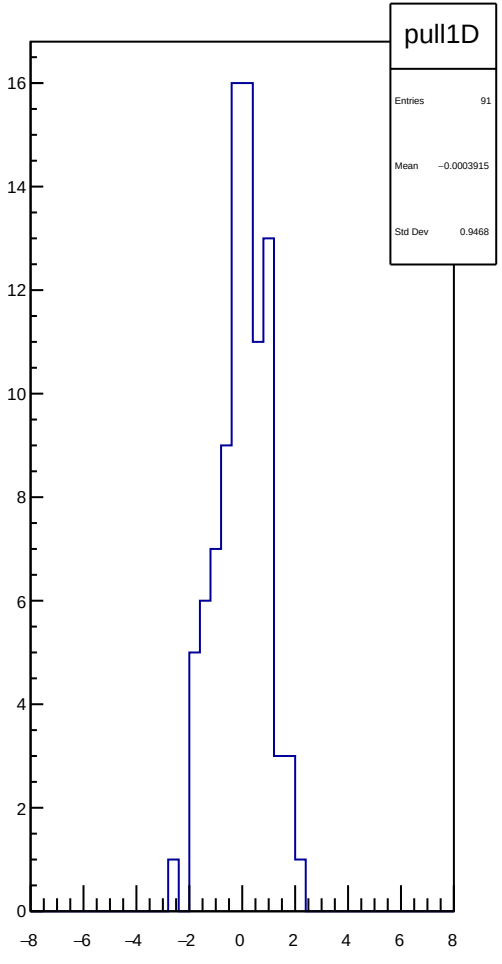

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2857 / 90
p0 70 ± 0.05326
78
76
74
72
70
68
66
64
62
60

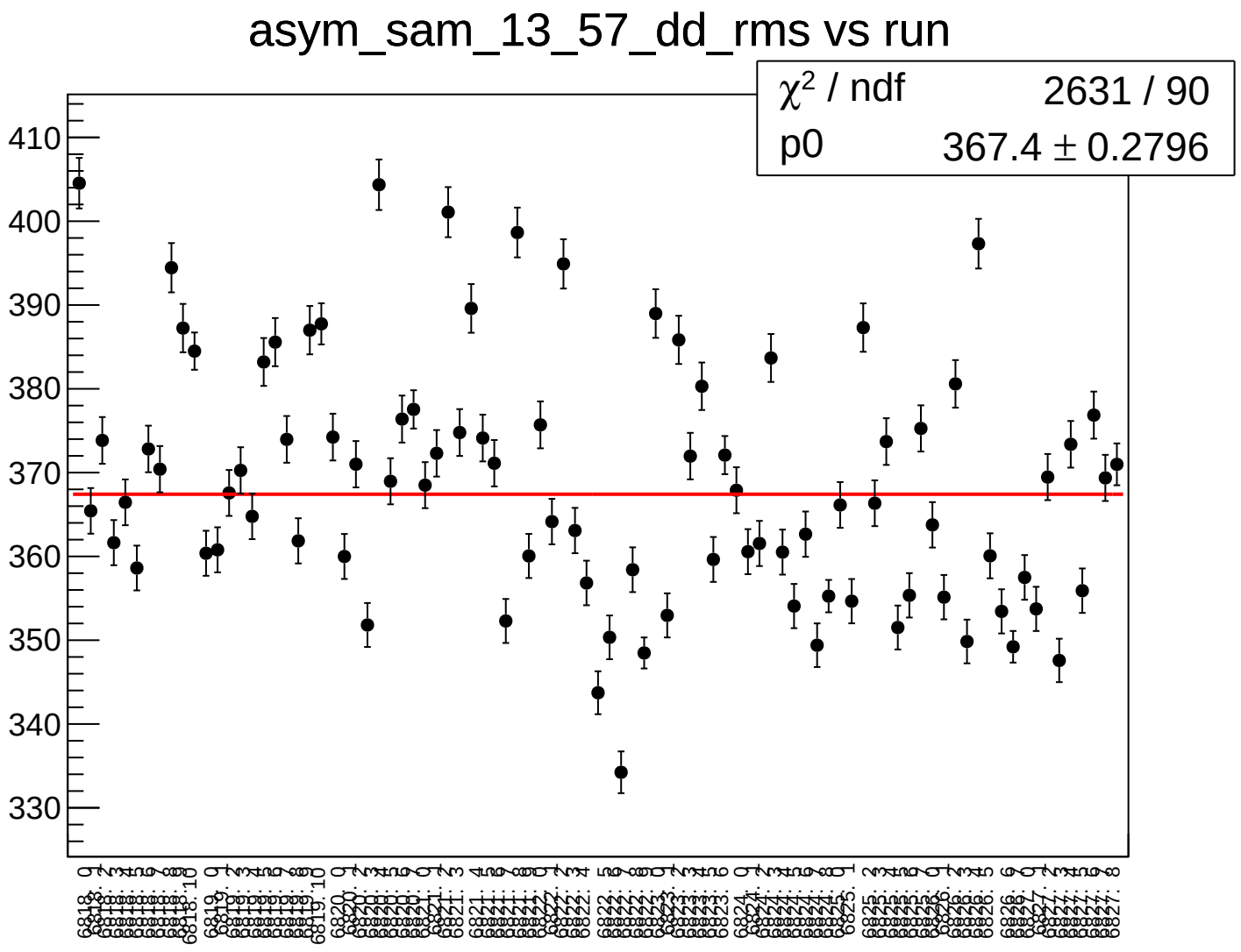

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 85.72 / 90
p0 −844.8 ± 401.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean 1.745e+04
Std Dev 1.742e+04
2
1
0
−1
−2

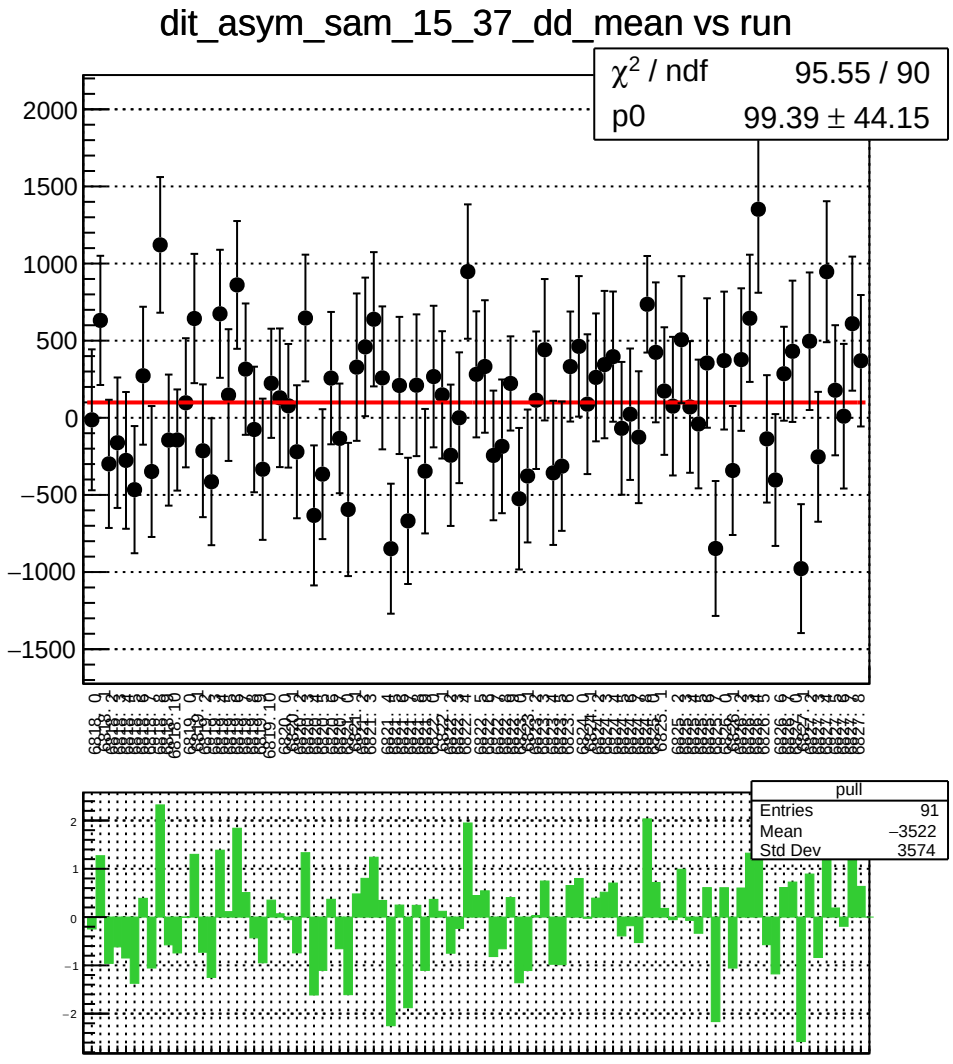

pull1D
Entries 91
Mean 0.0001747
Std Dev 0.9706
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

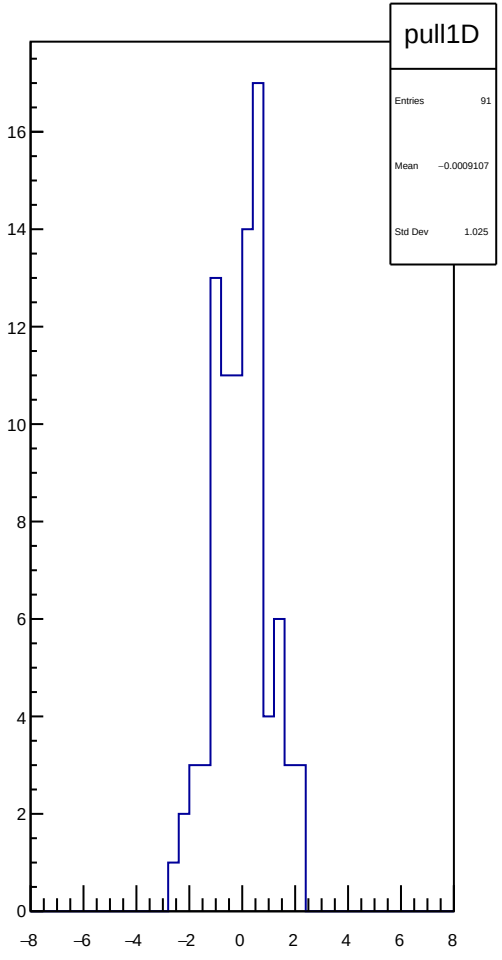

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1966 / 90
p0 373.4 ± 0.2841
410
400
390
380
370
360
350

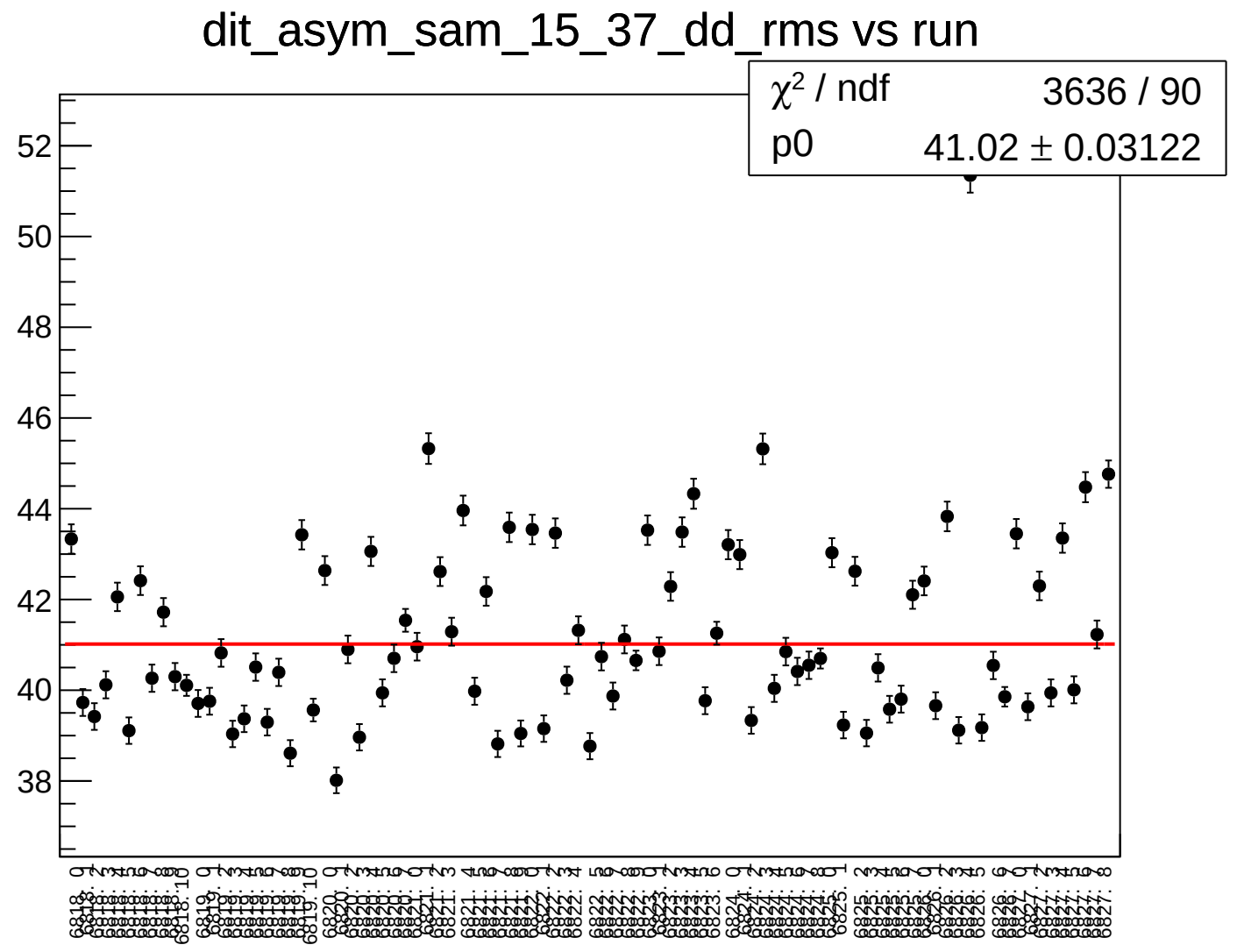

asym_sam_13_57_dd_mean vs run
χ² / ndf 81.58 / 90
p0 1027 ± 395.4
pull
Entries 91
Mean 7864
Std Dev 7830

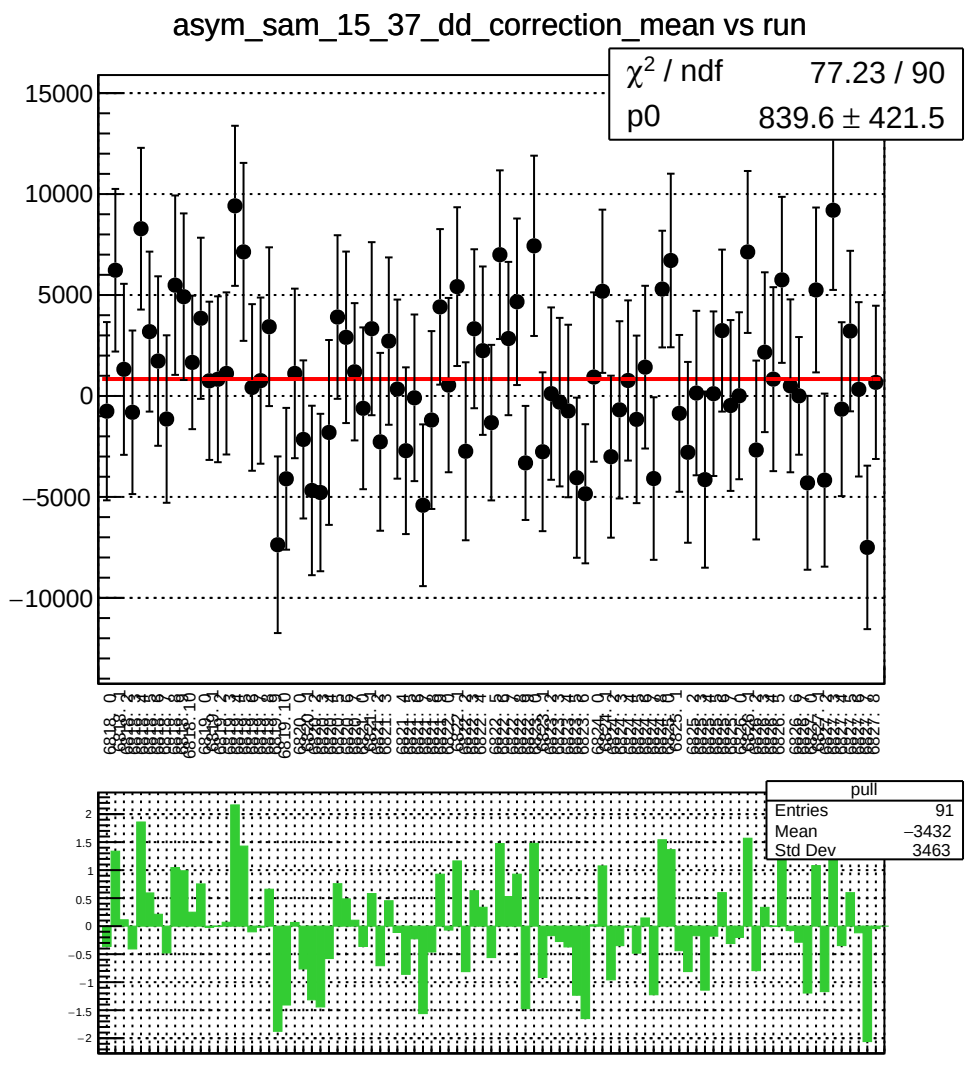

pull1D
Entries 91
Mean −0.0003915
Std Dev 0.9468

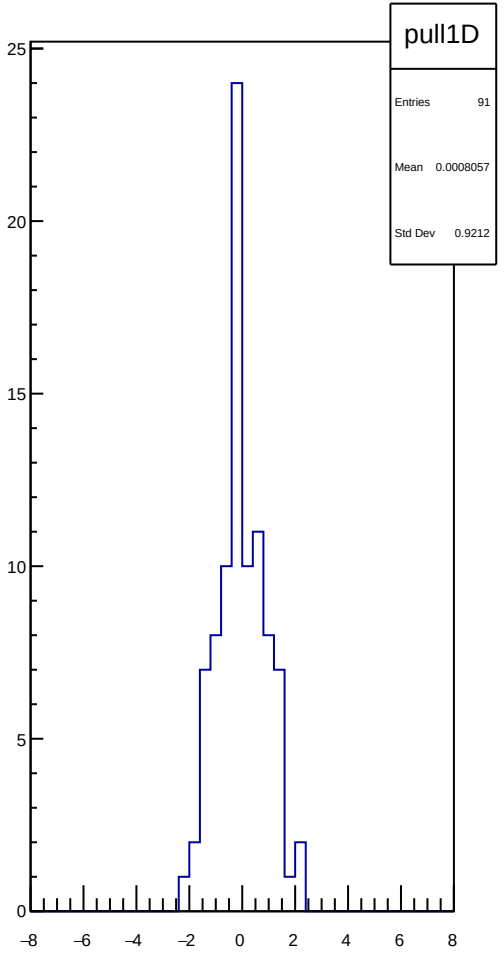

asym_sam_13_57_dd_rms vs run
χ² / ndf 2631 / 90
p0 367.4 ± 0.2796
410
400
390
380
370
360
350
340
330

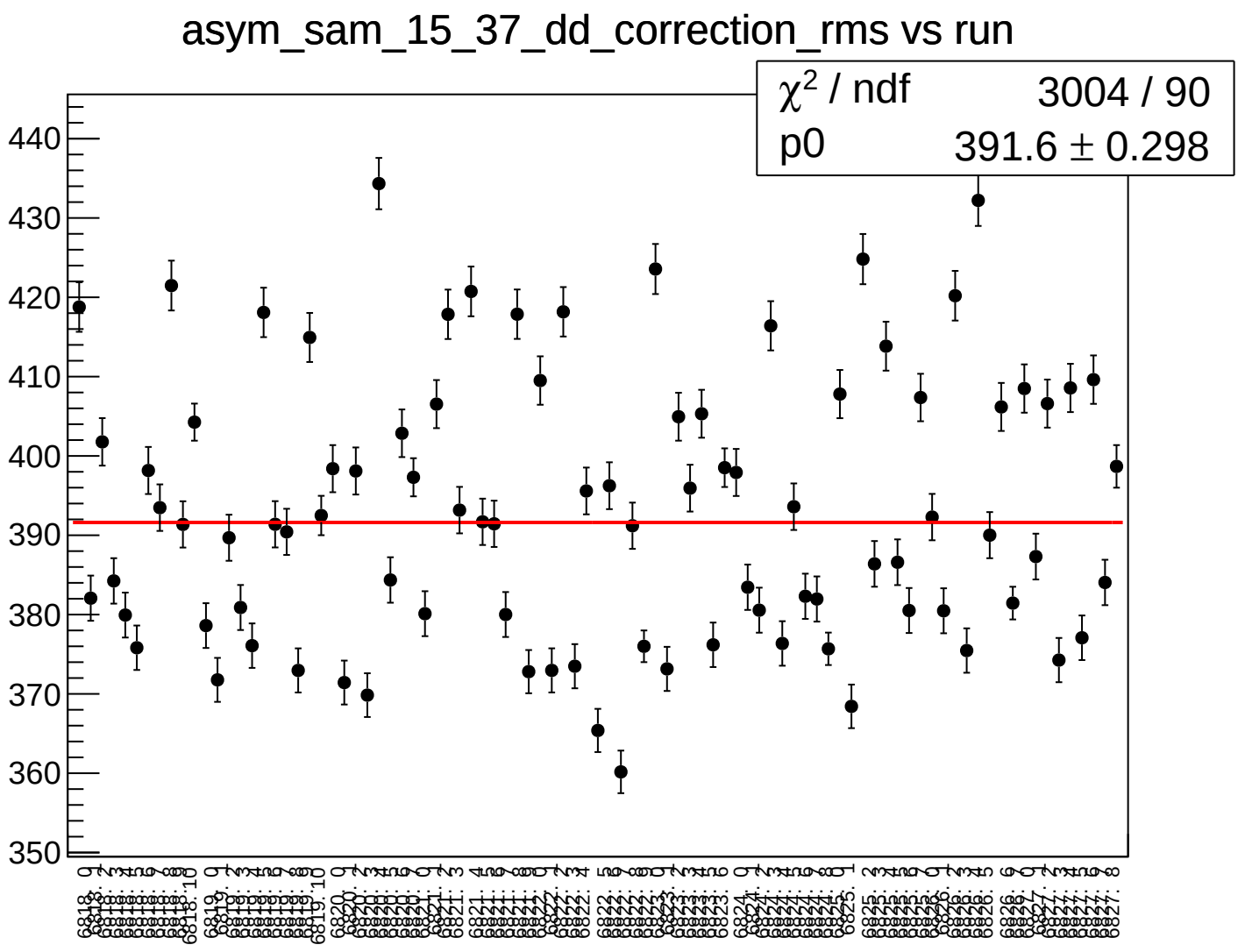

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 95.55 / 90
p0 99.39 ± 44.15
pull
Entries 91
Mean −3522
Std Dev 3574

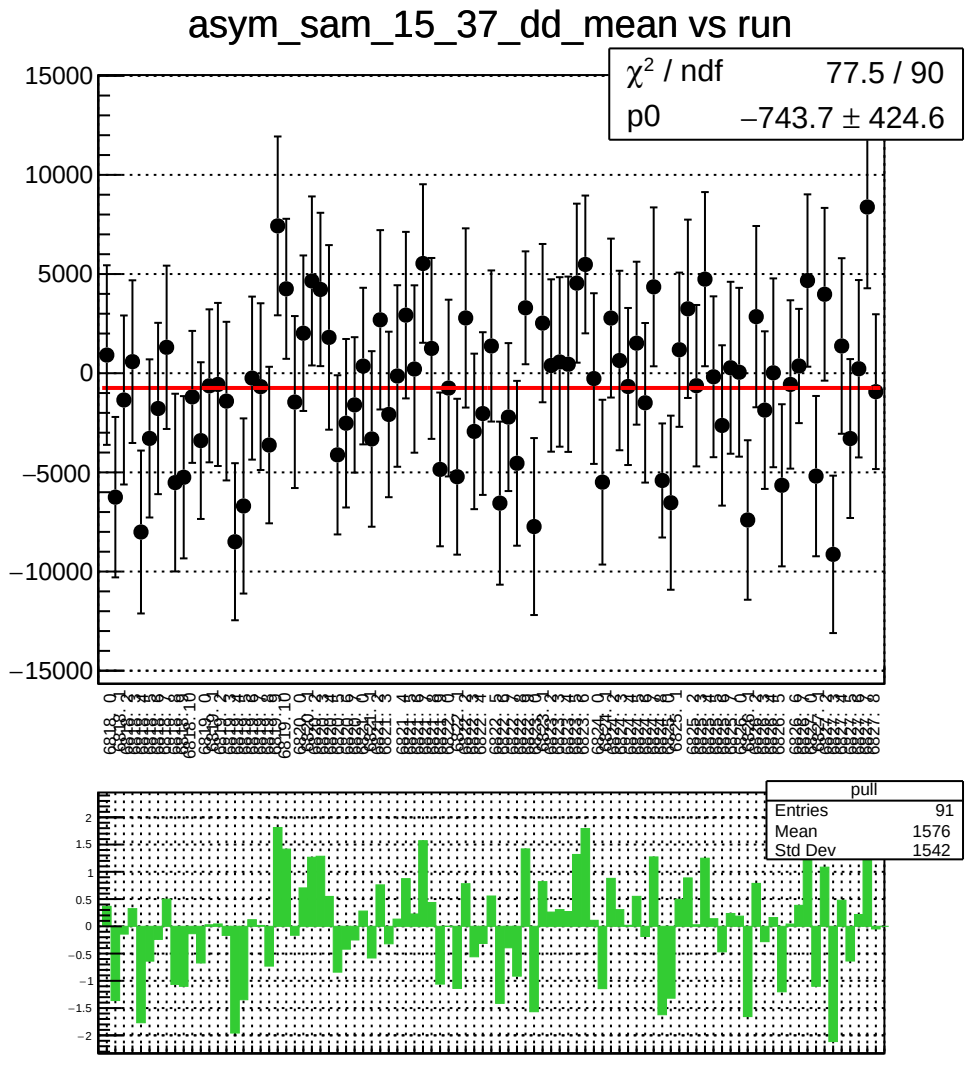

pull1D
Entries 91
Mean −0.0009107
Std Dev 1.025

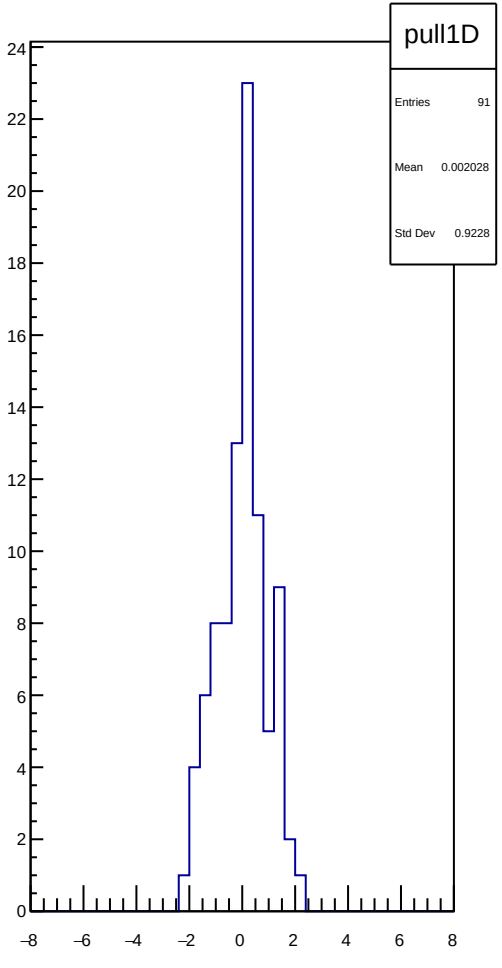

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 3636 / 90
p0 41.02 ± 0.03122
52
50
48
46
44
42
40
38

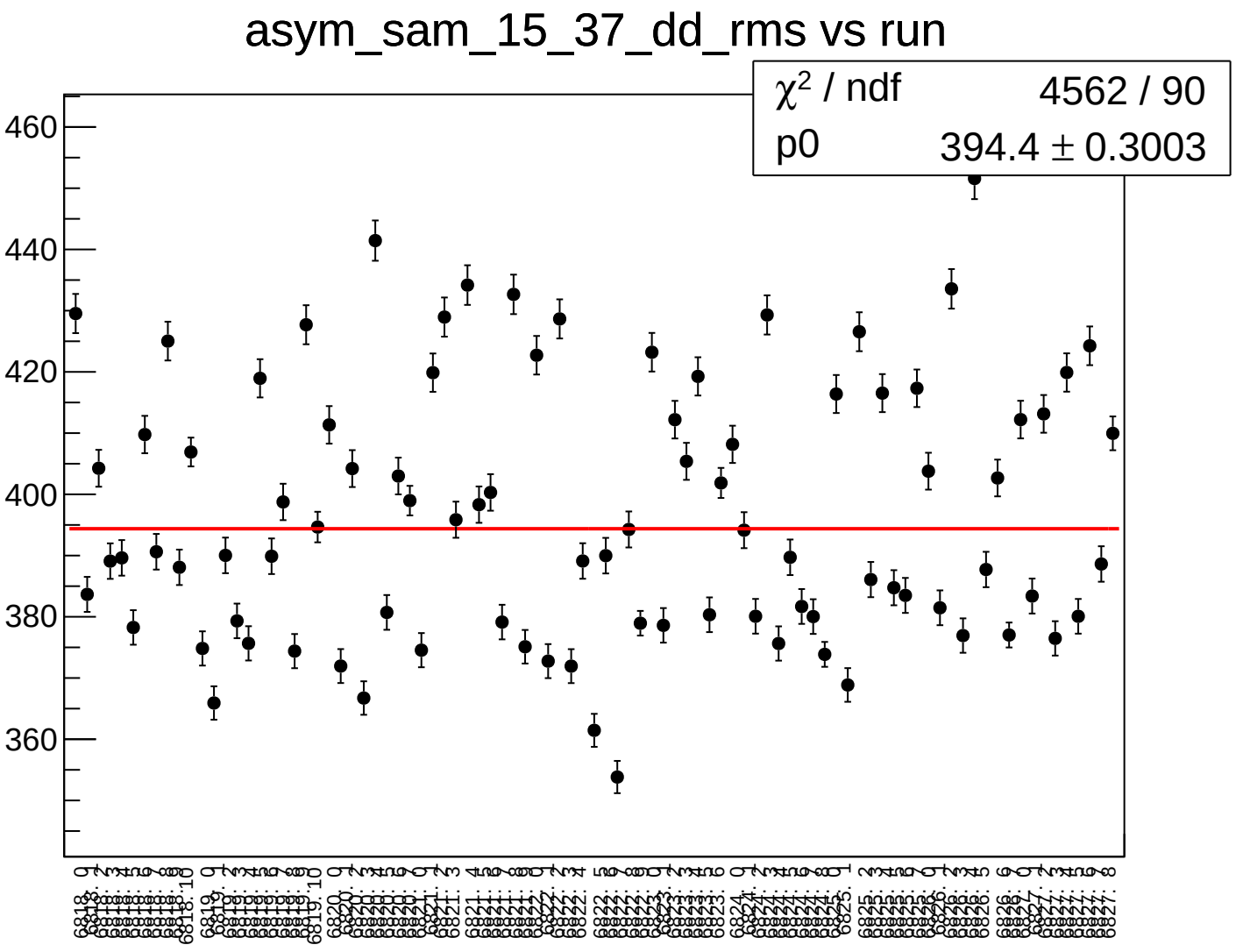

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 77.23 / 90
p0 839.6 ± 421.5
15000
10000
5000
0
−5000
−10000
pull
Entries 91
Mean −3432
Std Dev 3463
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

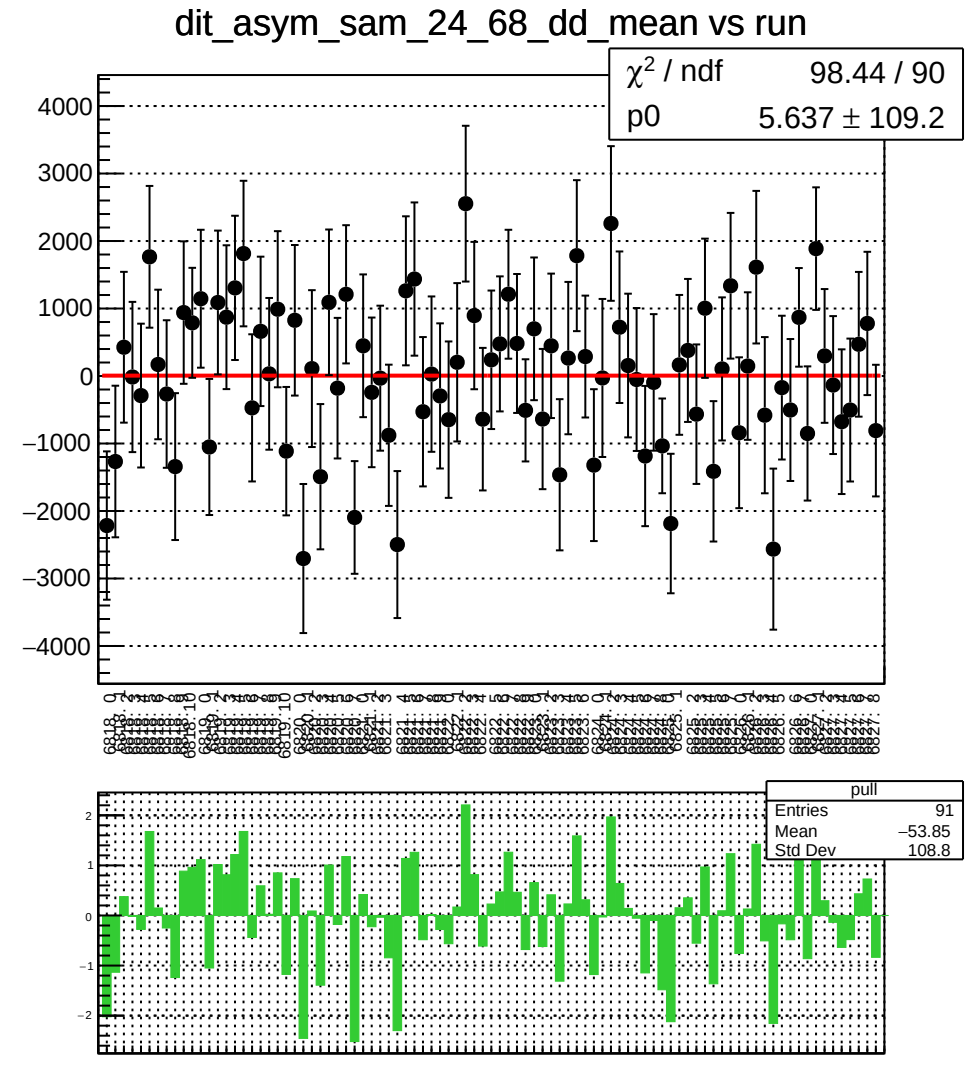

pull1D
Entries 91
Mean 0.0008057
Std Dev 0.9212
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

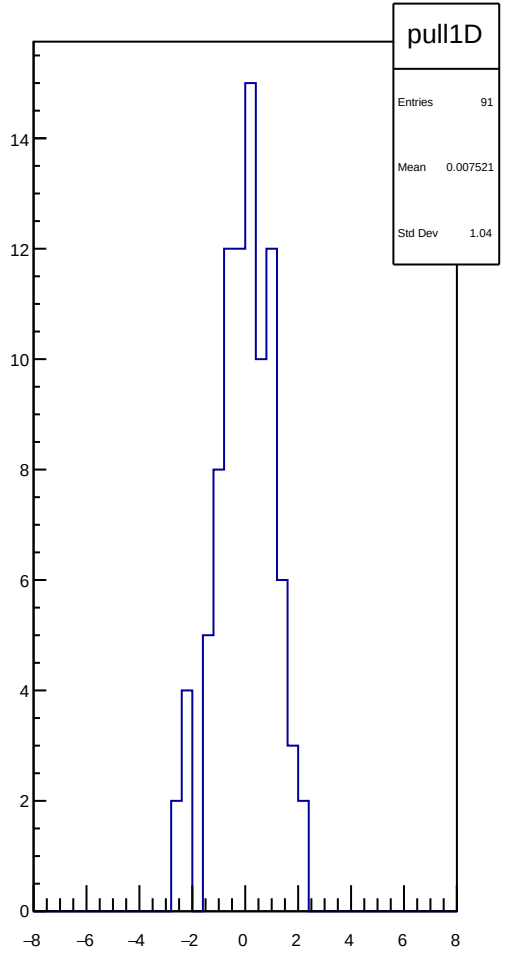

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3004 / 90
p0 391.6 ± 0.298
440
430
420
410
400
390
380
370
360
350

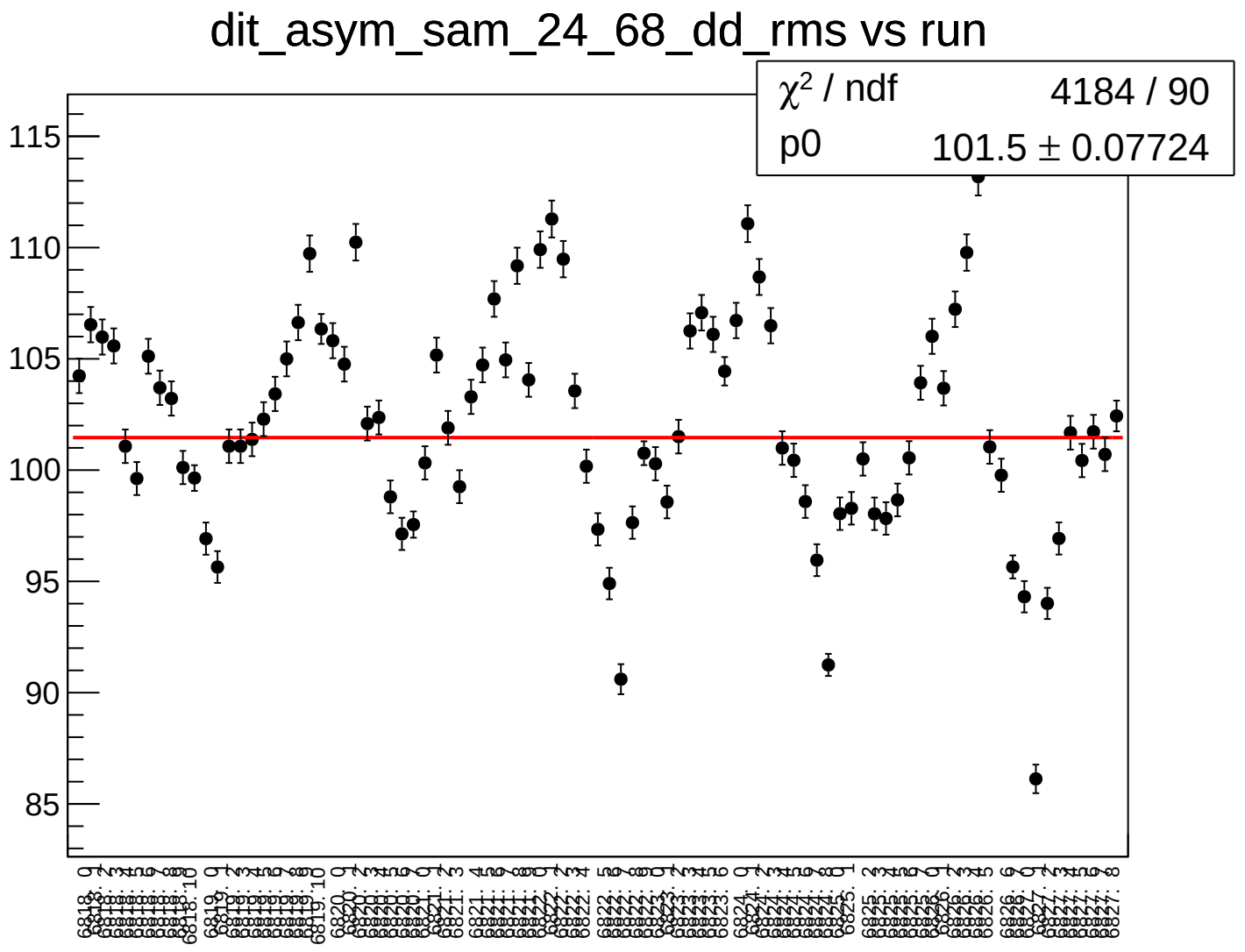

asym_sam_15_37_dd_mean vs run
χ² / ndf 77.5 / 90
p0 −743.7 ± 424.6
pull
Entries 91
Mean 1576
Std Dev 1542

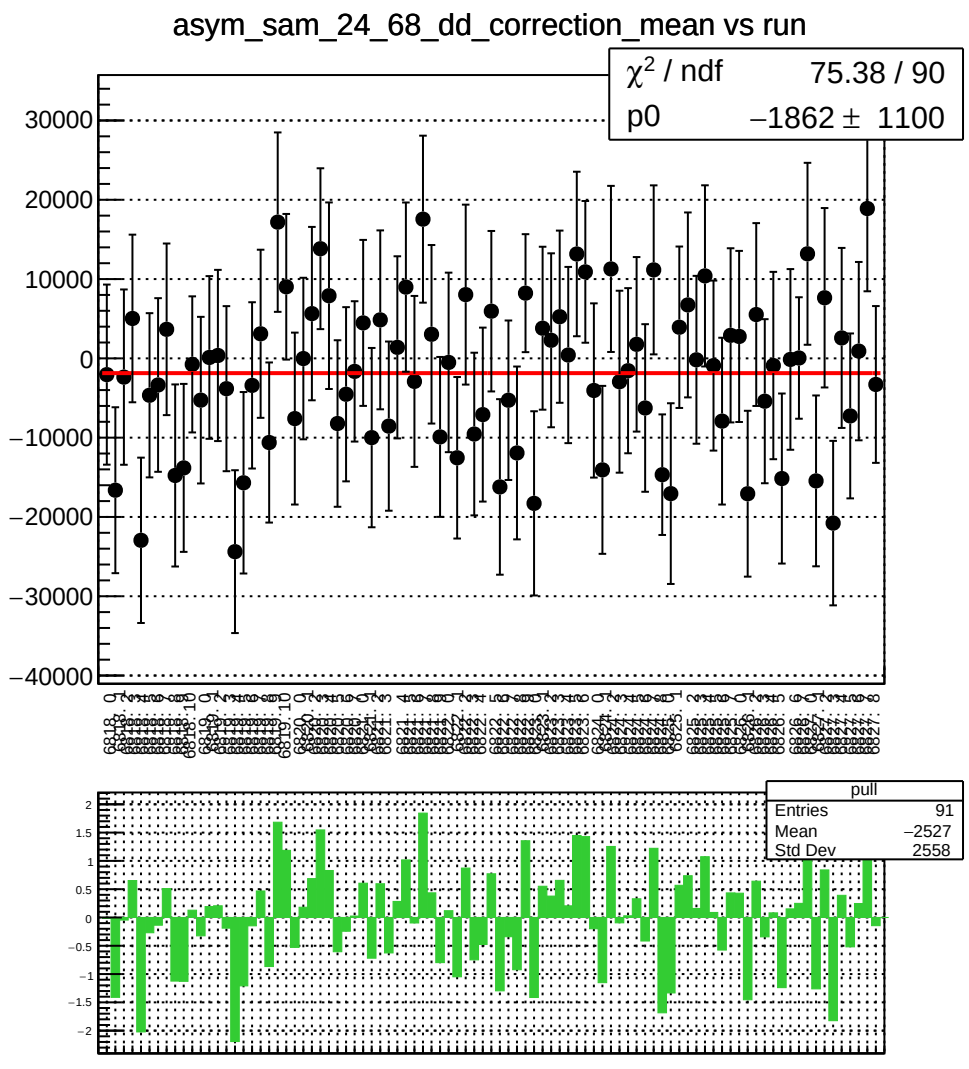

pull1D
Entries 91
Mean 0.002028
Std Dev 0.9228

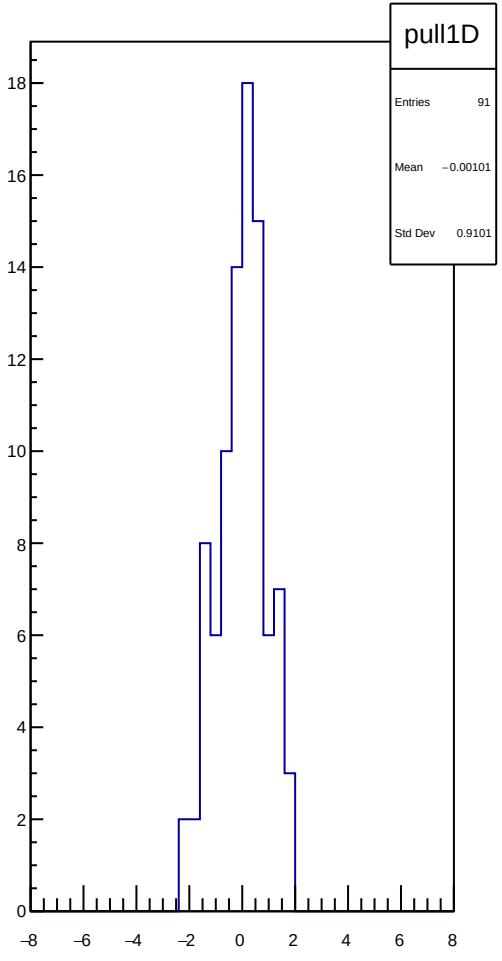

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 4562 / 90
p0 394.4 ± 0.3003
460
440
420
400
380
360

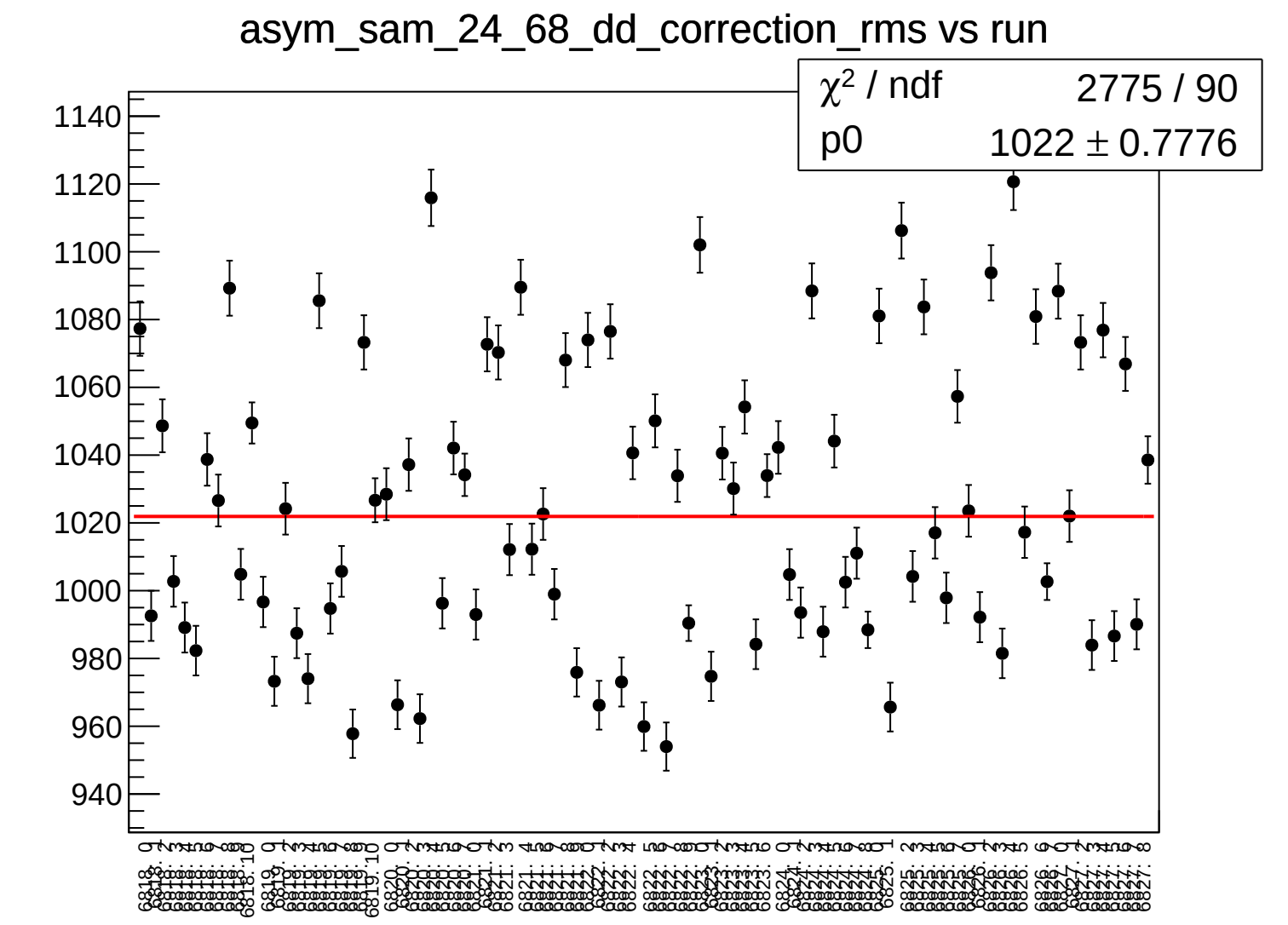

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 98.44 / 90
p0 5.637 ± 109.2
pull
Entries 91
Mean −53.85
Std Dev 108.8

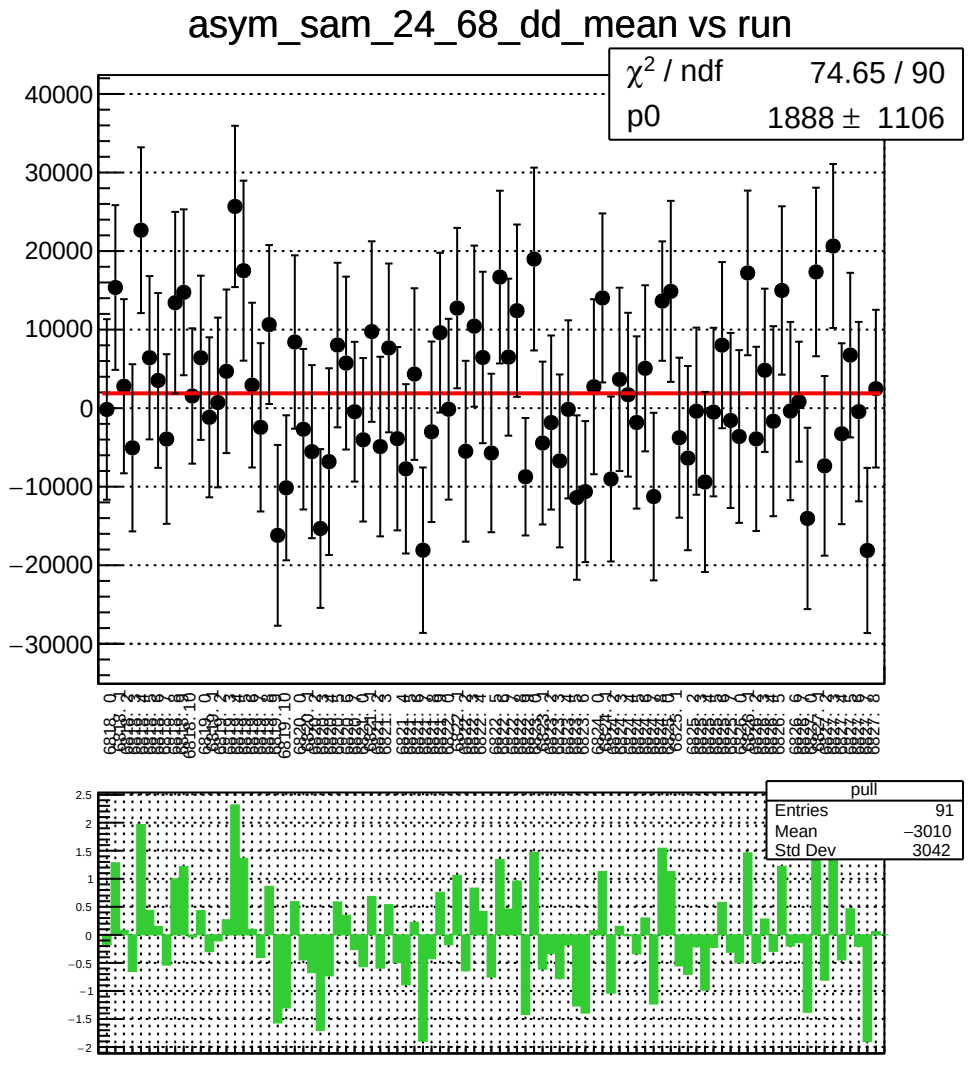

pull1D
Entries 91
Mean 0.007521
Std Dev 1.04

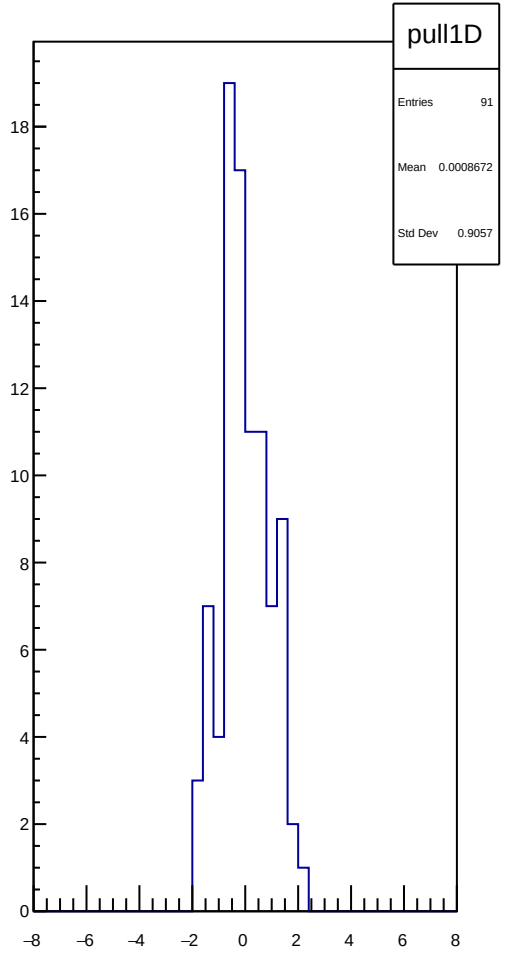

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4184 / 90
p0 101.5 ± 0.07724
115
110
105
100
95
90
85

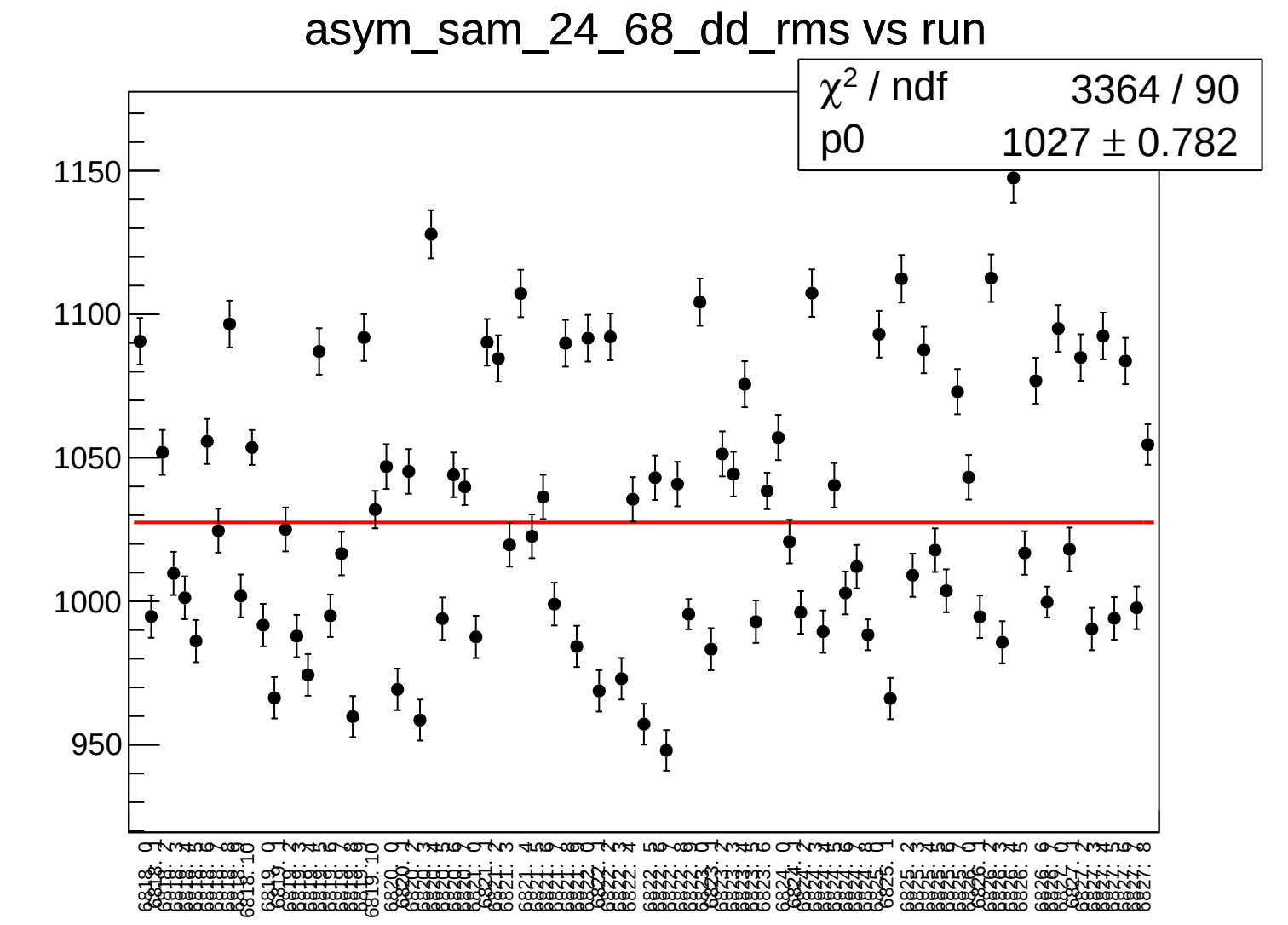

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 75.38 / 90
p0 −1862 ± 1100
pull
Entries 91
Mean −2527
Std Dev 2558

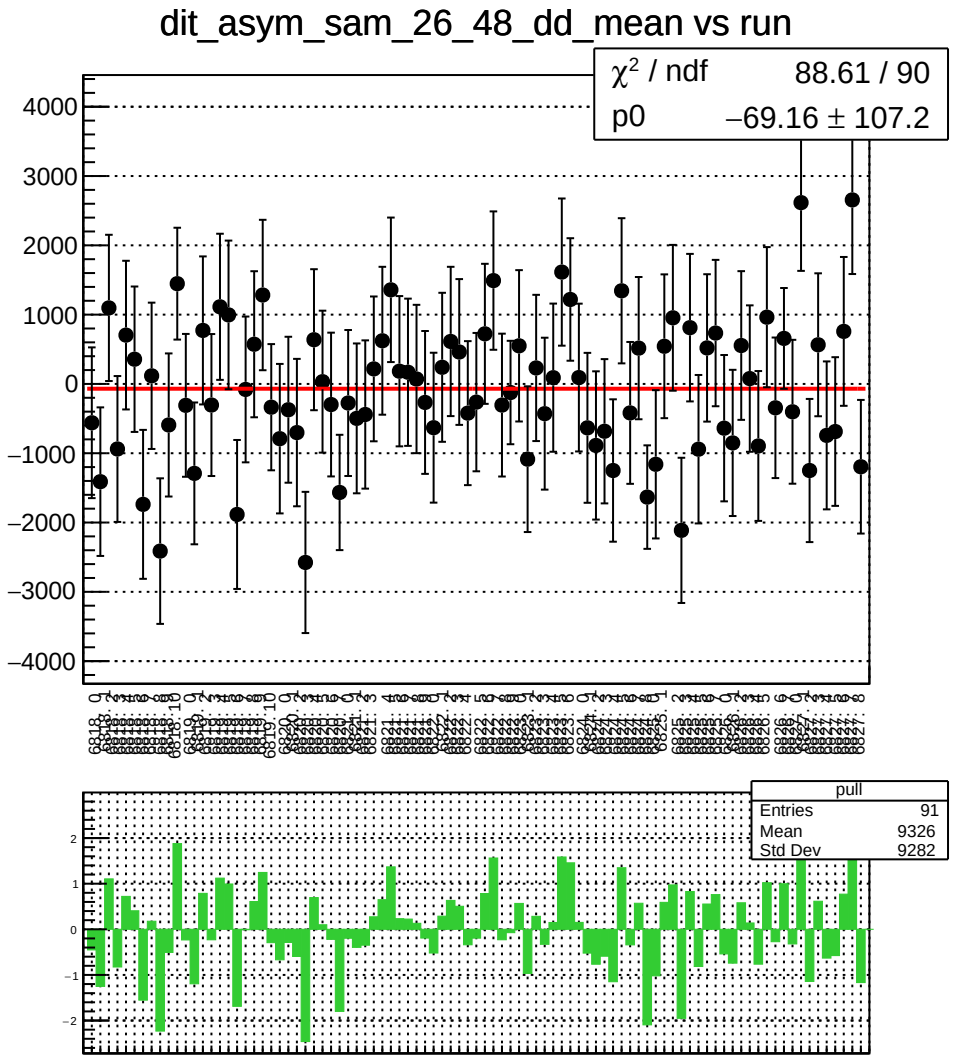

pull1D
Entries 91
Mean −0.00101
Std Dev 0.9101

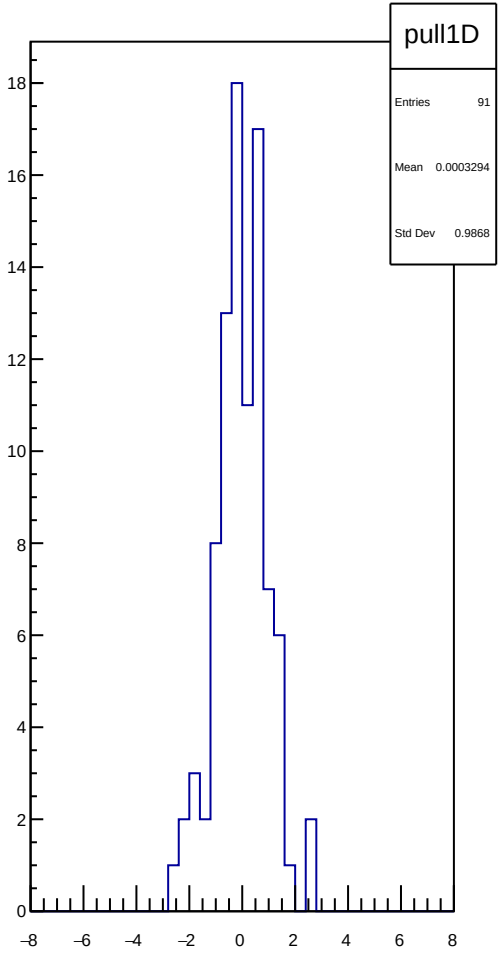

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2775 / 90
p0 1022 ± 0.7776
1140
1120
1100
1080
1060
1040
1020
1000
980
960
940

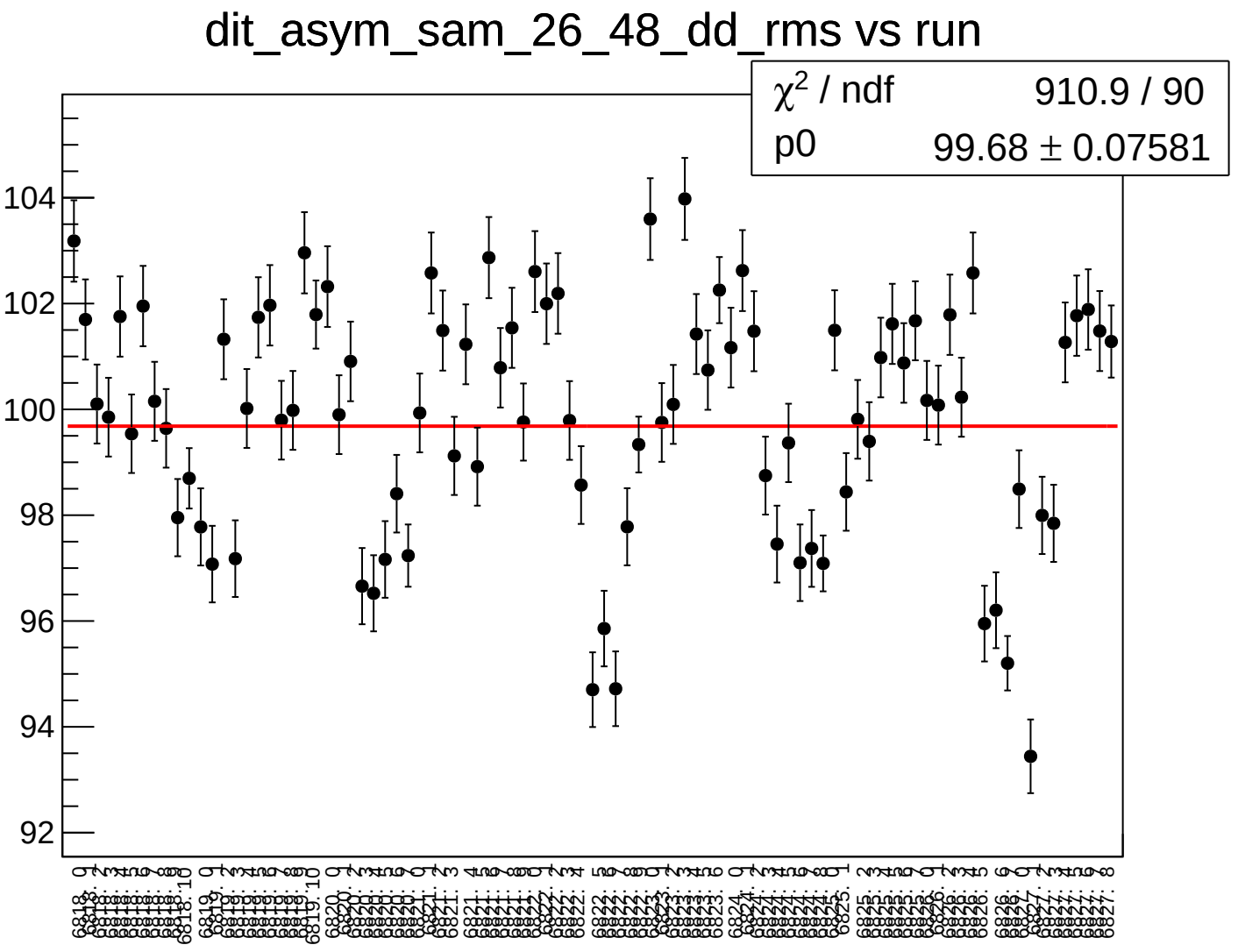

asym_sam_24_68_dd_mean vs run
χ² / ndf 74.65 / 90
p0 1888 ± 1106
pull
Entries 91
Mean −3010
Std Dev 3042

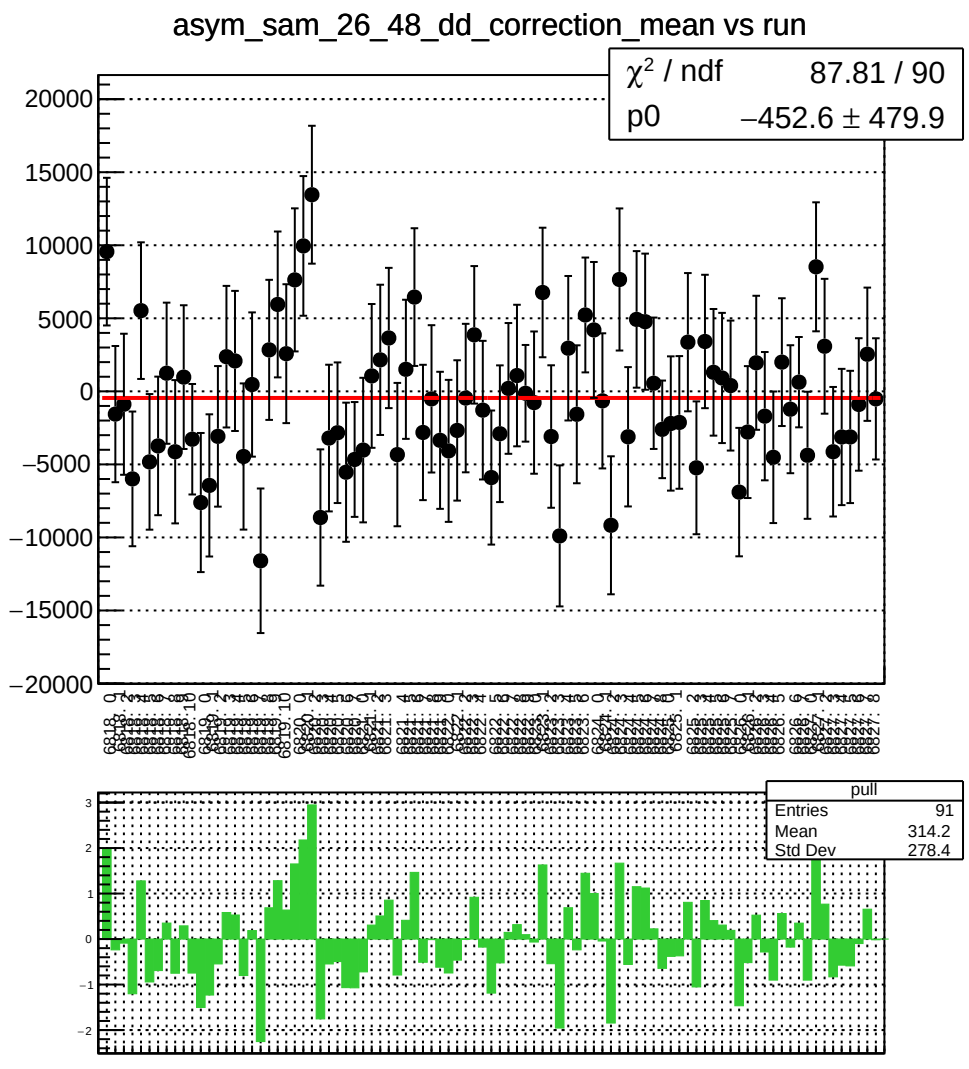

pull1D
Entries 91
Mean 0.0008672
Std Dev 0.9057

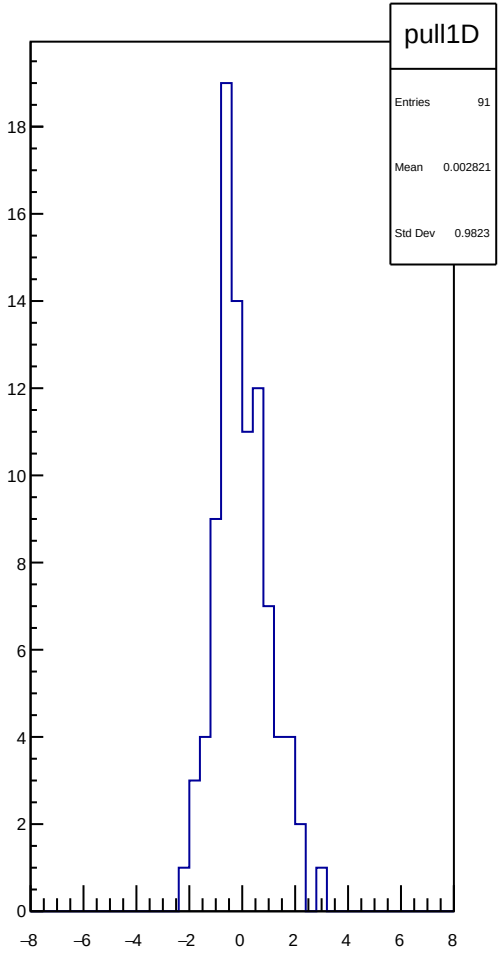

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3364 / 90
p0 1027 ± 0.782
1150
1100
1050
1000
950

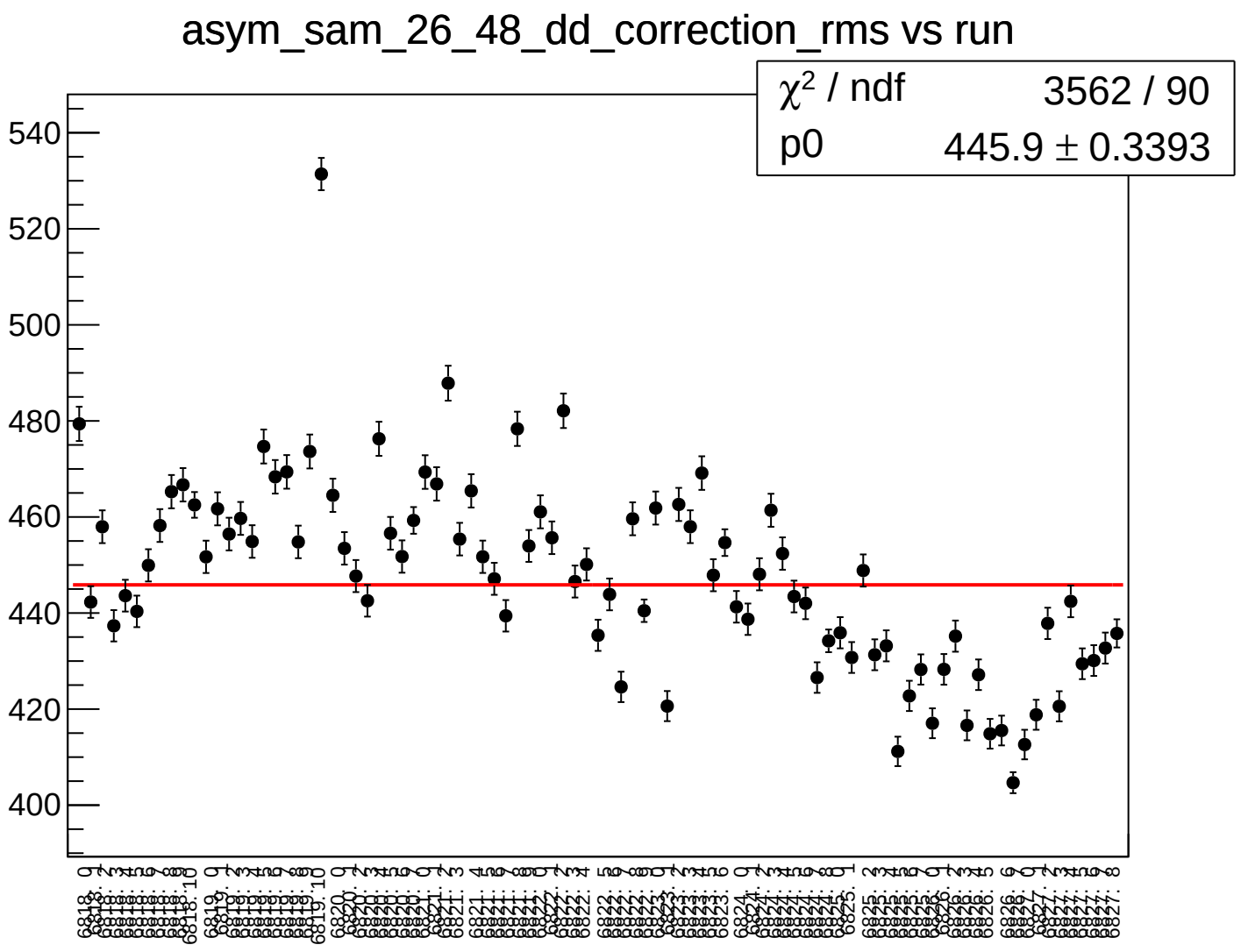

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 88.61 / 90
p0 −69.16 ± 107.2
pull
Entries 91
Mean 9326
Std Dev 9282

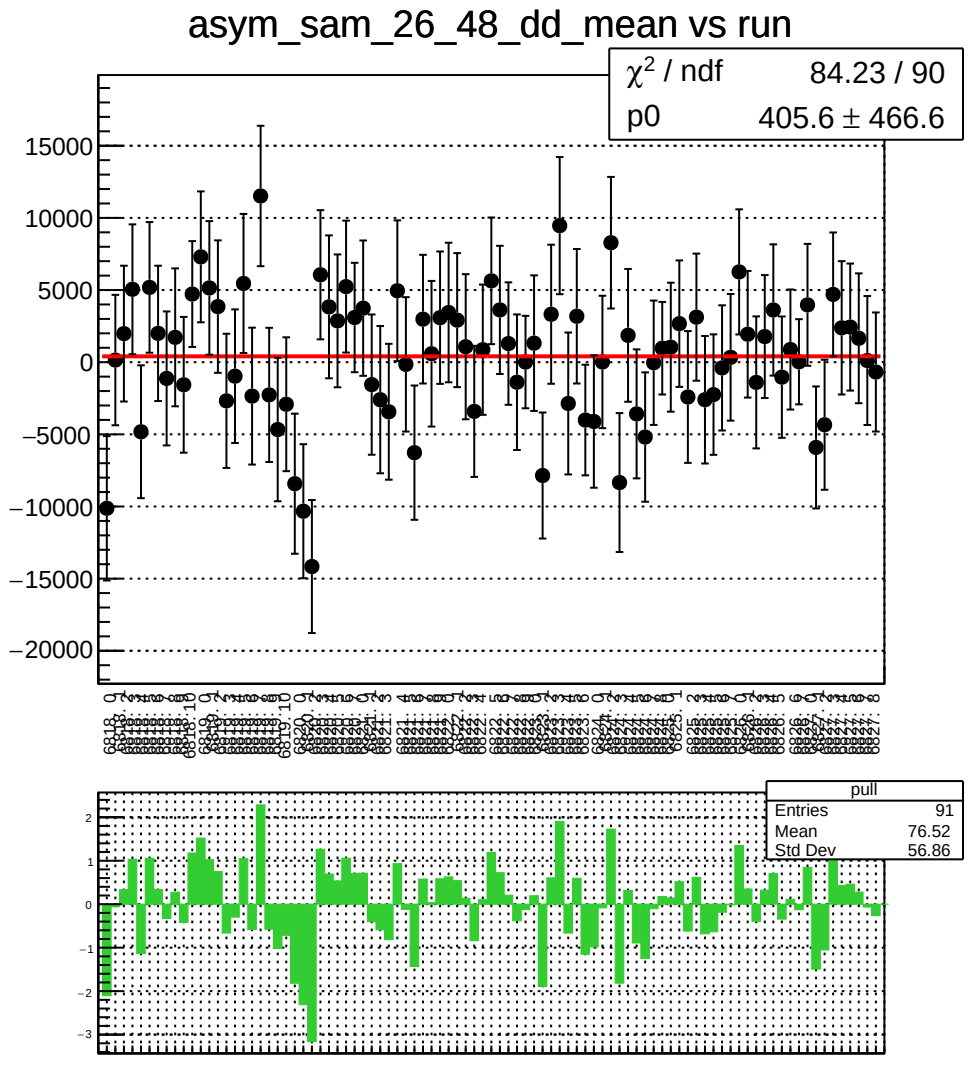

pull1D
Entries 91
Mean 0.0003294
Std Dev 0.9868

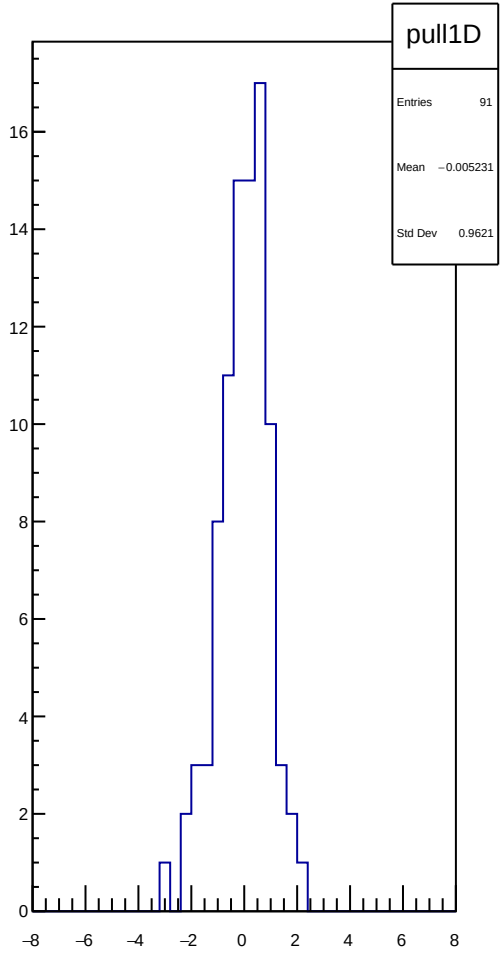

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 910.9 / 90
p0 99.68 ± 0.07581
104
102
100
98
96
94
92

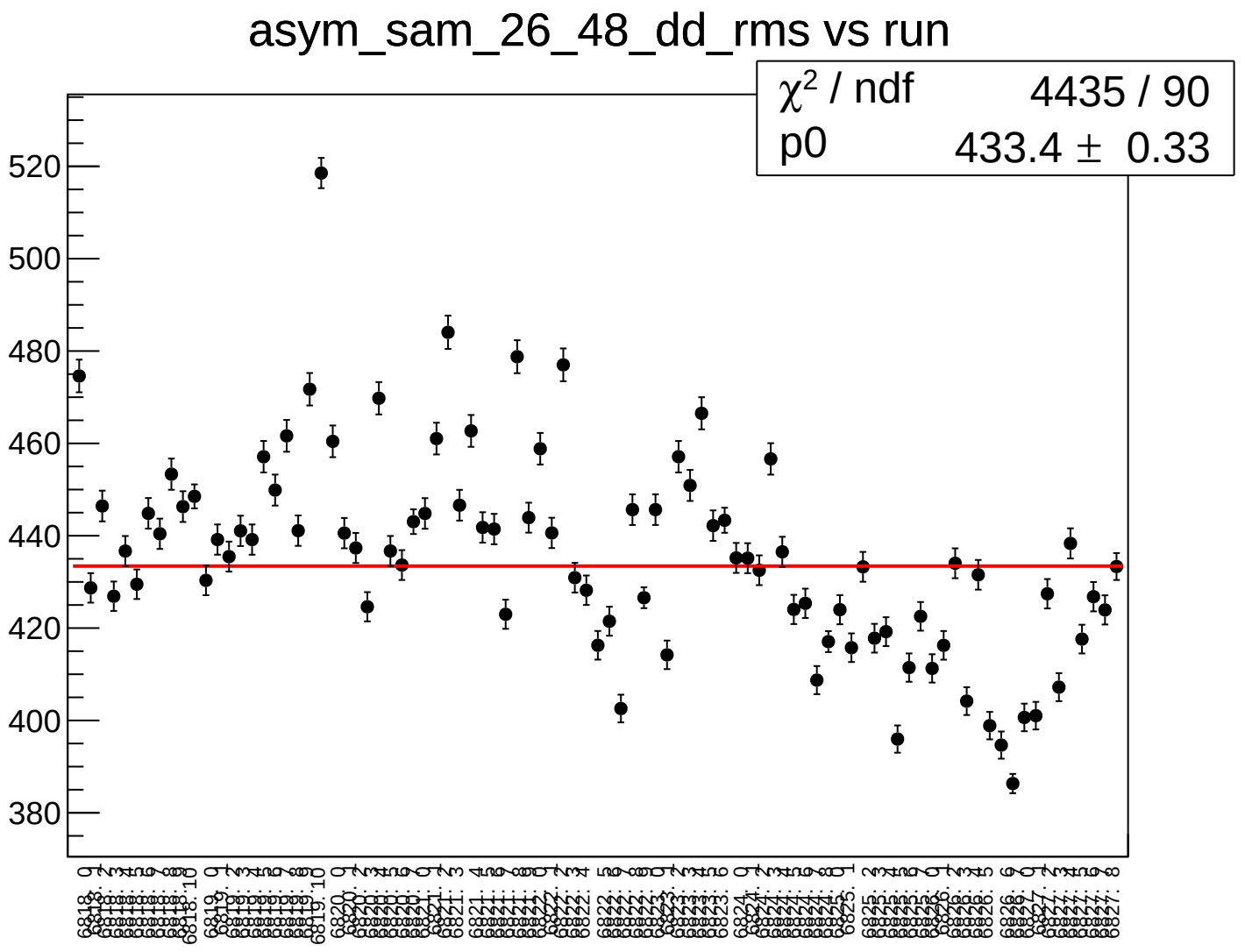

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 87.81 / 90
p0 −452.6 ± 479.9
pull
Entries 91
Mean 314.2
Std Dev 278.4

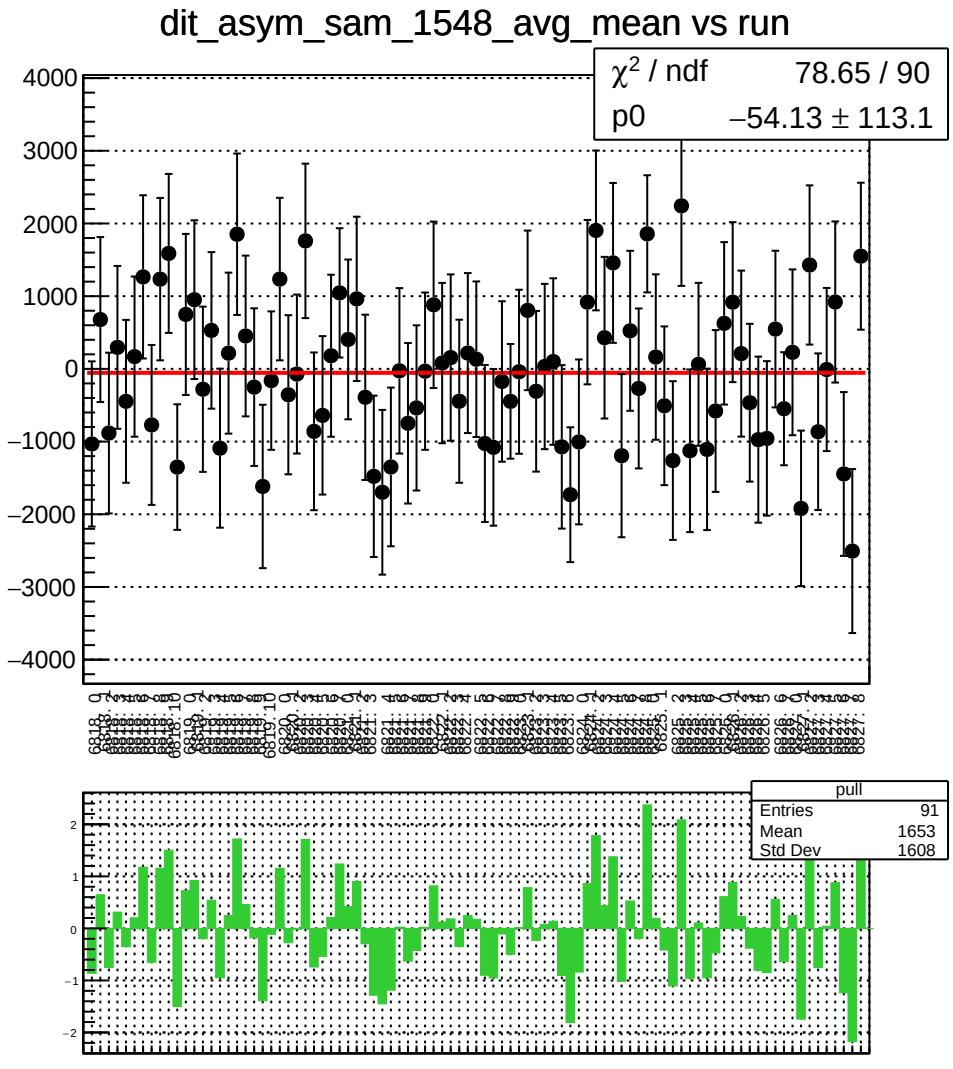

pull1D
Entries 91
Mean 0.002821
Std Dev 0.9823

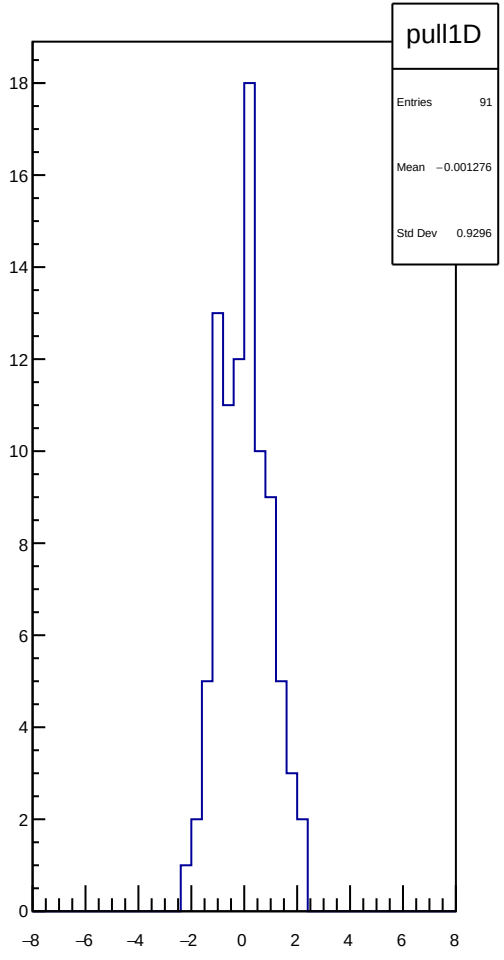

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3562 / 90
p0 445.9 ± 0.3393
540
520
500
480
460
440
420
400

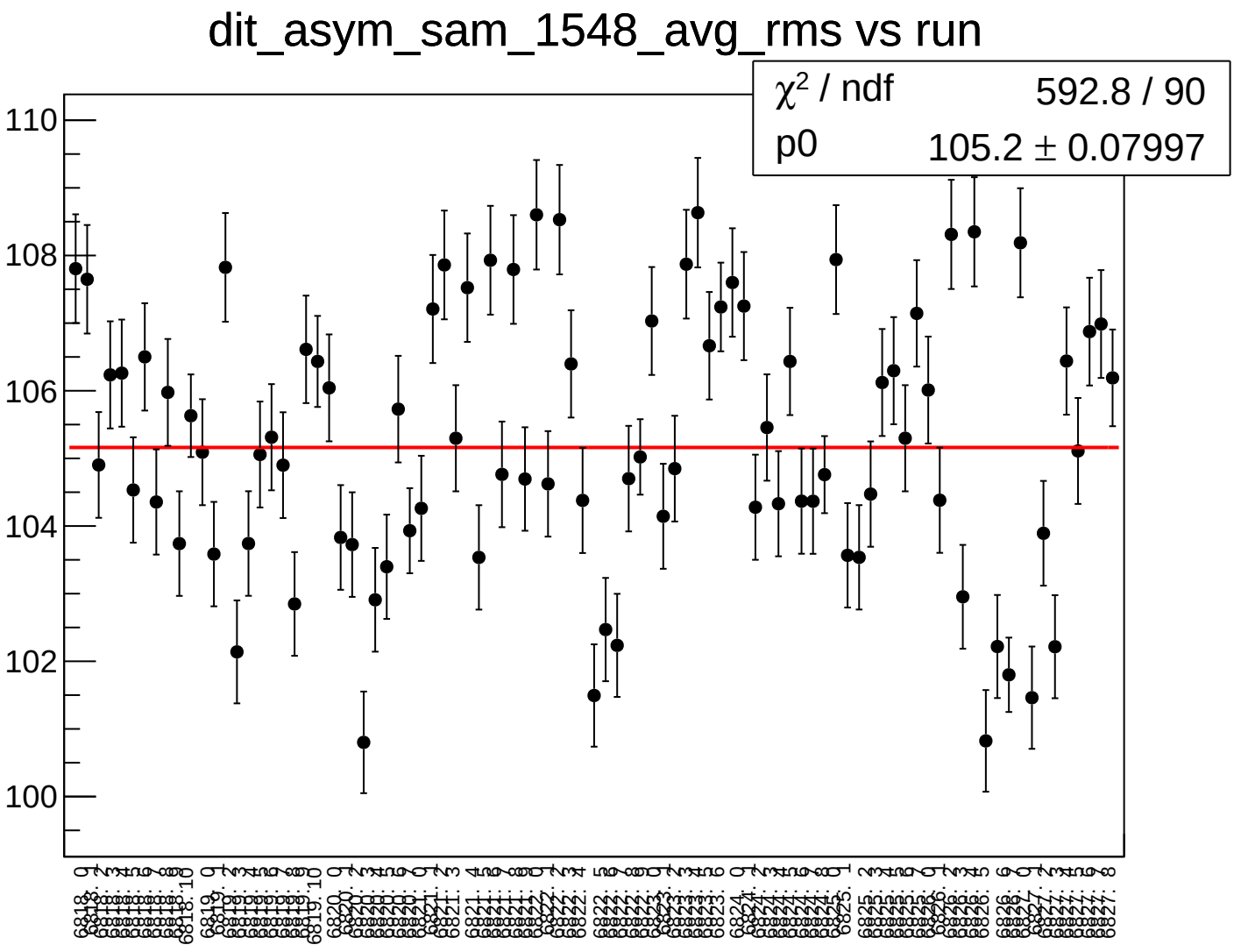

asym_sam_26_48_dd_mean vs run
χ² / ndf 84.23 / 90
p0 405.6 ± 466.6
pull
Entries 91
Mean 76.52
Std Dev 56.86

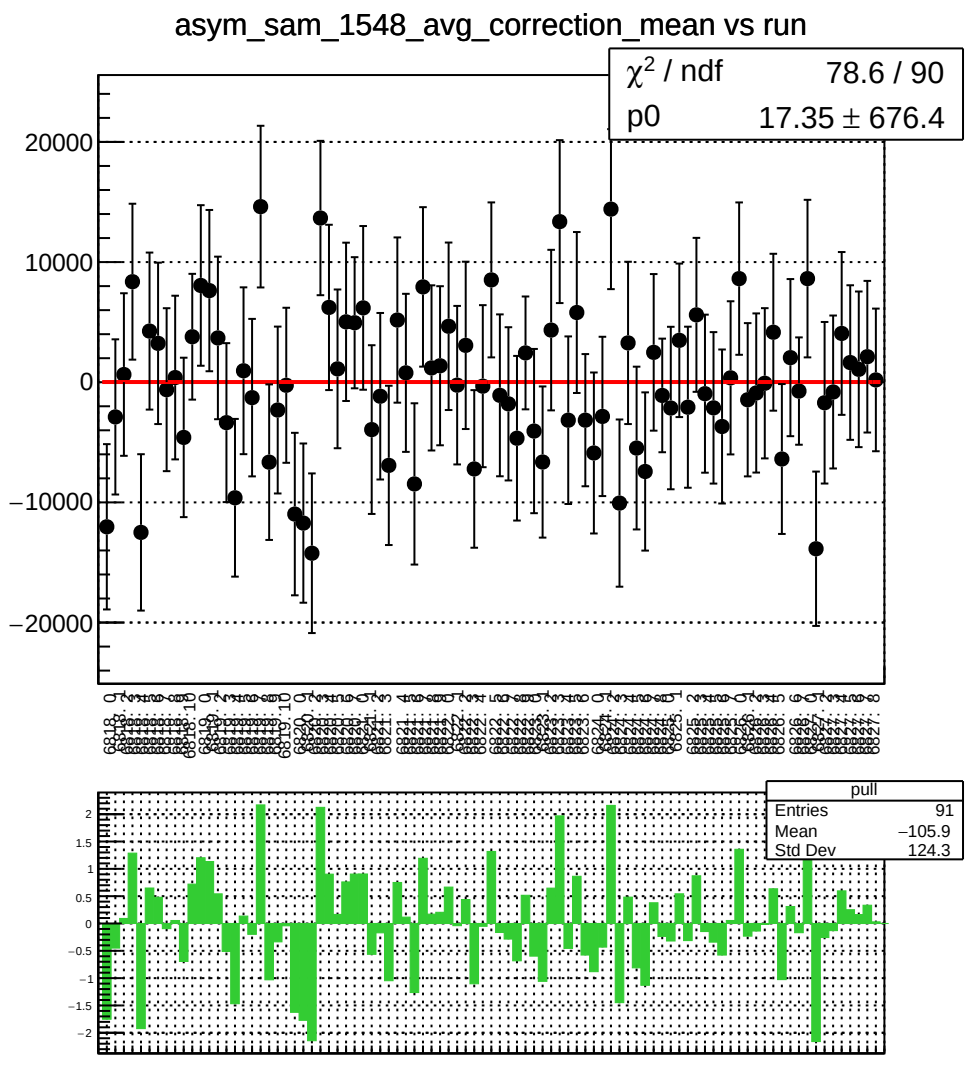

pull1D
Entries 91
Mean −0.005231
Std Dev 0.9621

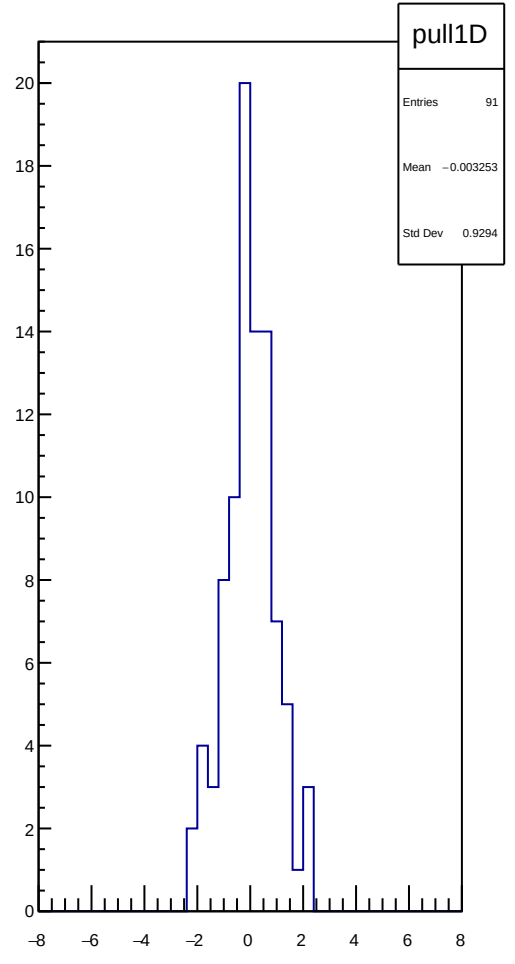

asym_sam_26_48_dd_rms vs run
χ² / ndf 4435 / 90
p0 433.4 ± 0.33
520
500
480
460
440
420
400
380

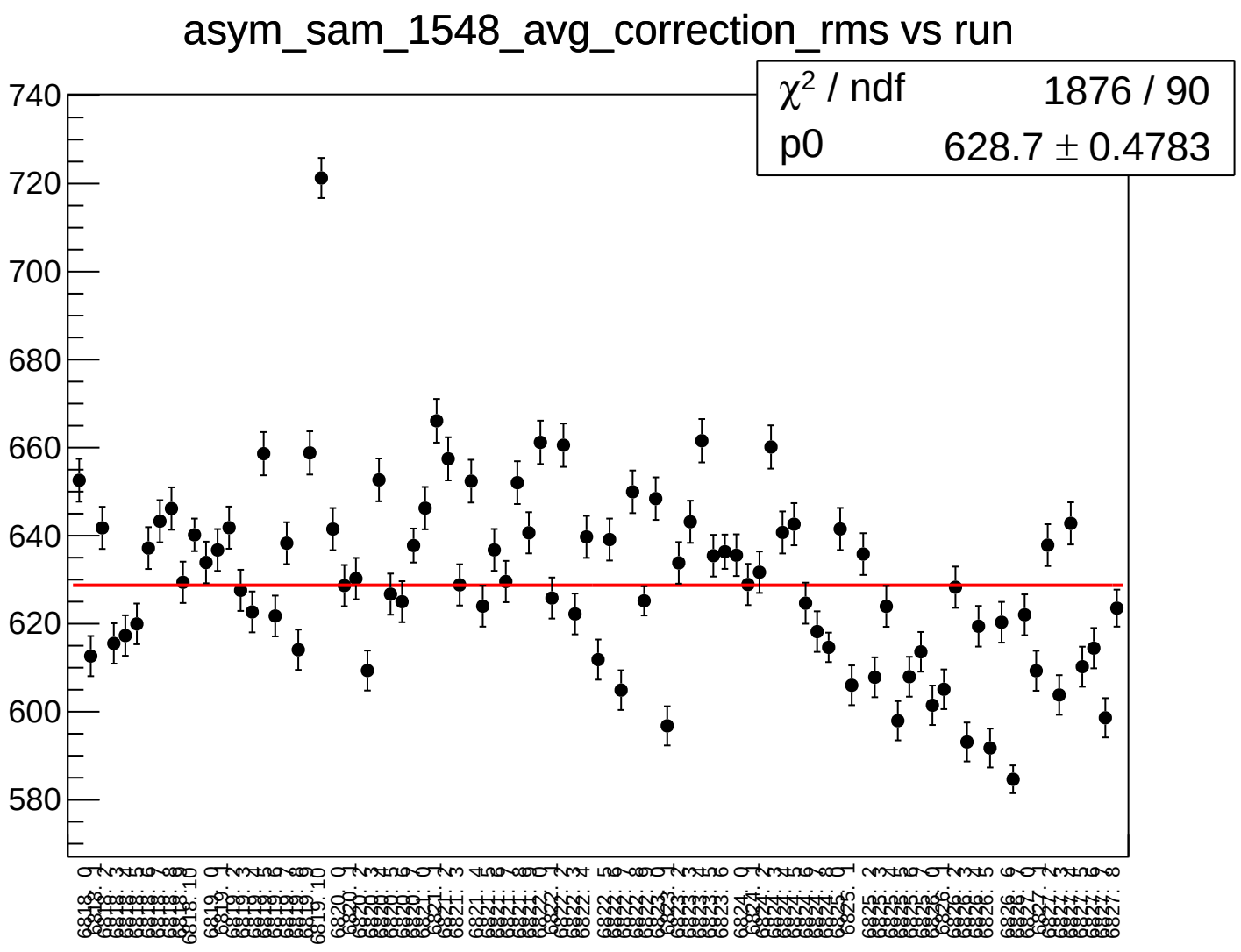

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 78.65 / 90
p0 −54.13 ± 113.1
pull
Entries 91
Mean 1653
Std Dev 1608

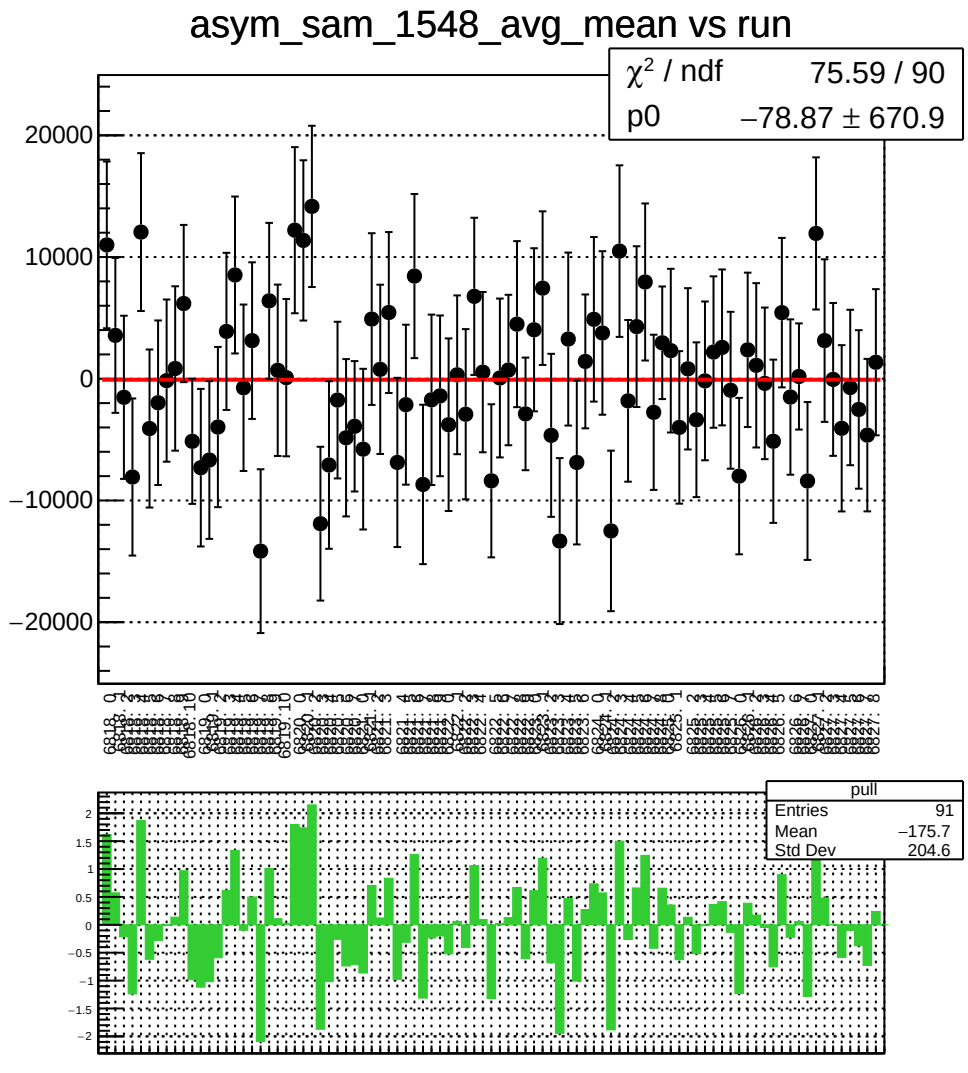

pull1D
Entries 91
Mean −0.001276
Std Dev 0.9296

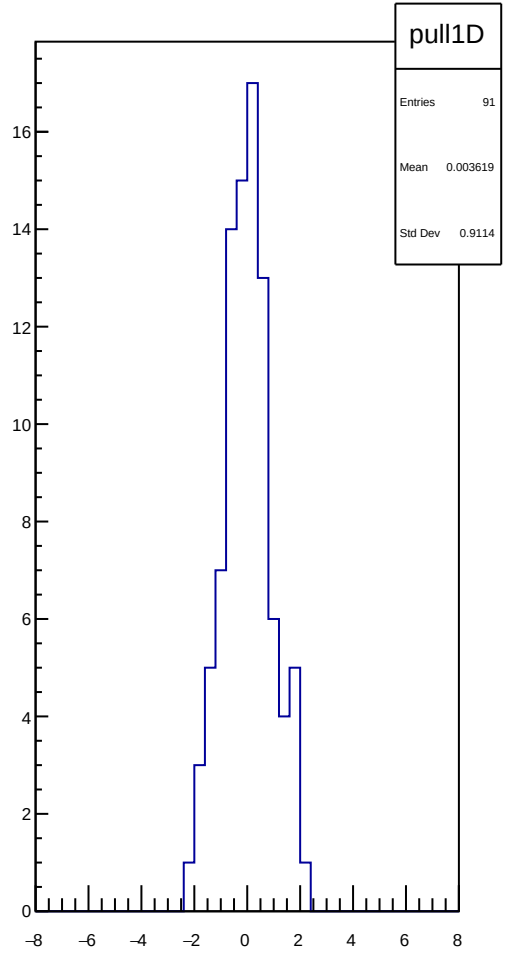

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 592.8 / 90
p0 105.2 ± 0.07997
110
108
106
104
102
100

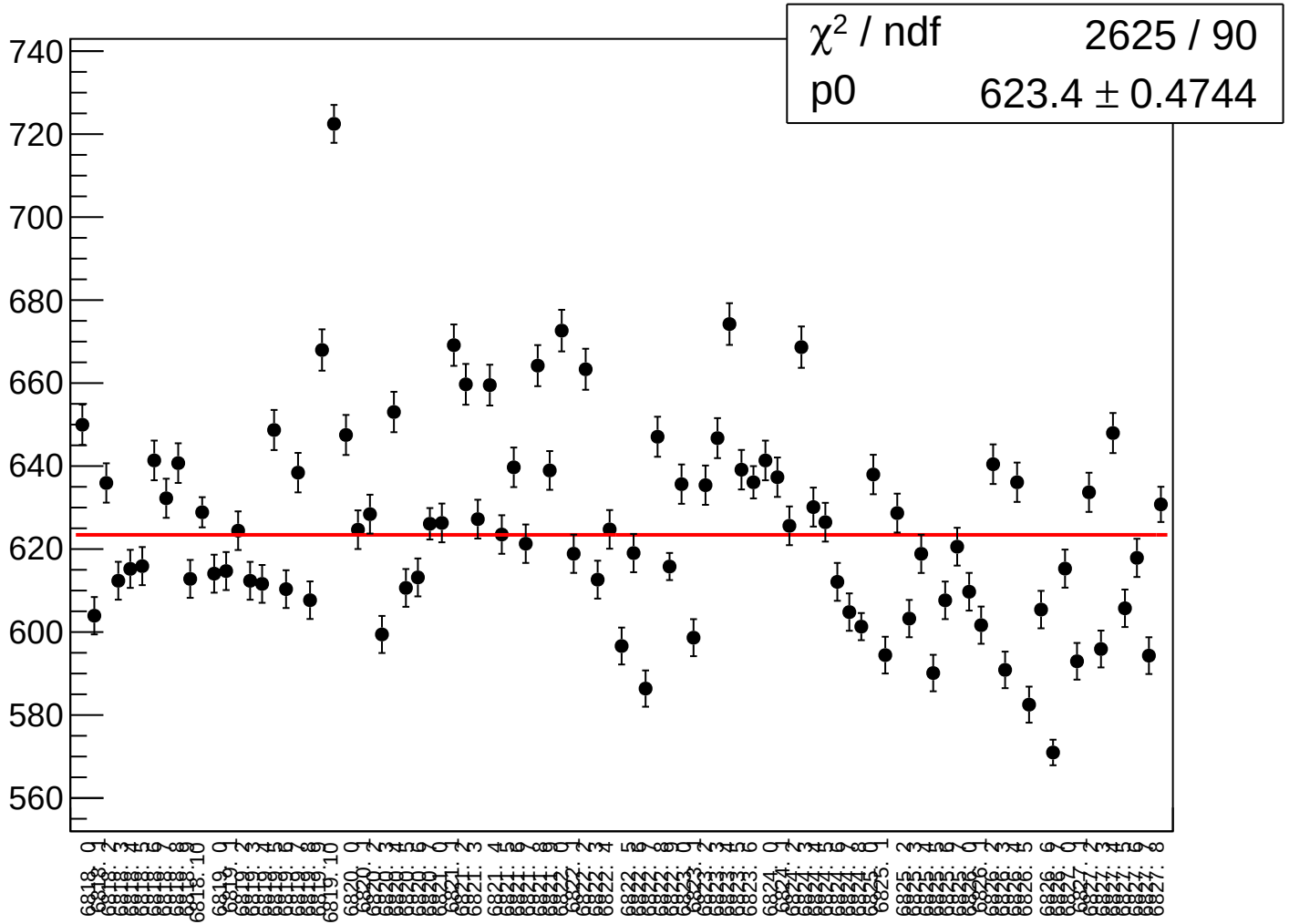

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 78.6 / 90
p0 17.35 ± 676.4
20000
10000
0
−10000
−20000
pull
Entries 91
Mean −105.9
Std Dev 124.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

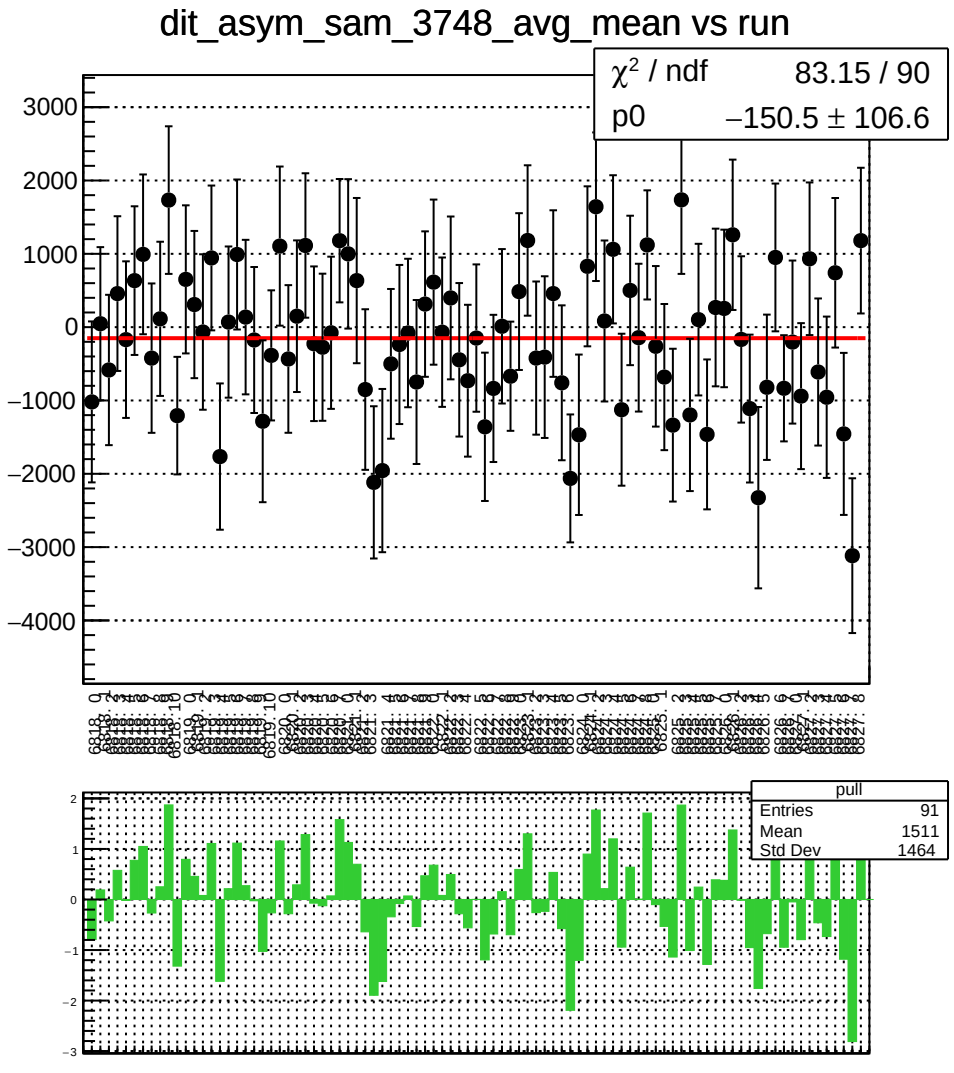

pull1D
Entries 91
Mean −0.003253
Std Dev 0.9294
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

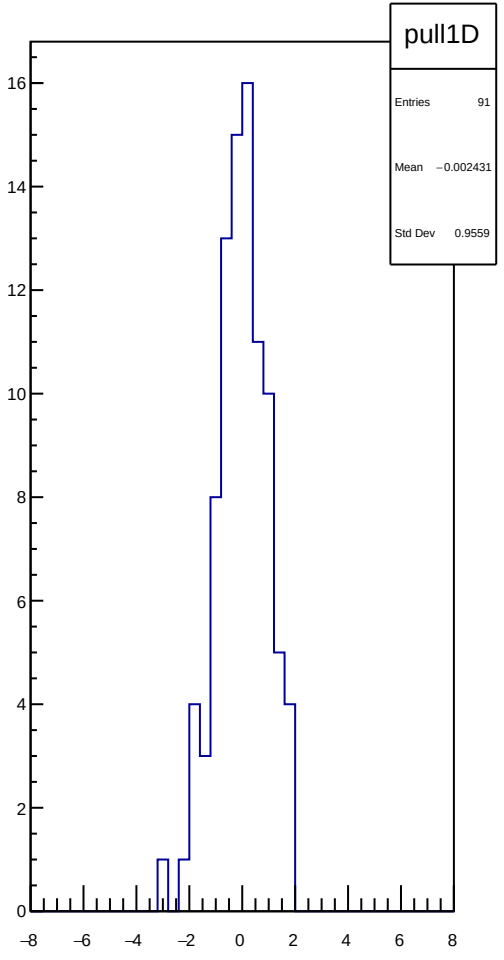

asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 1876 / 90
p0 628.7 ± 0.4783
740
720
700
680
660
640
620
600
580

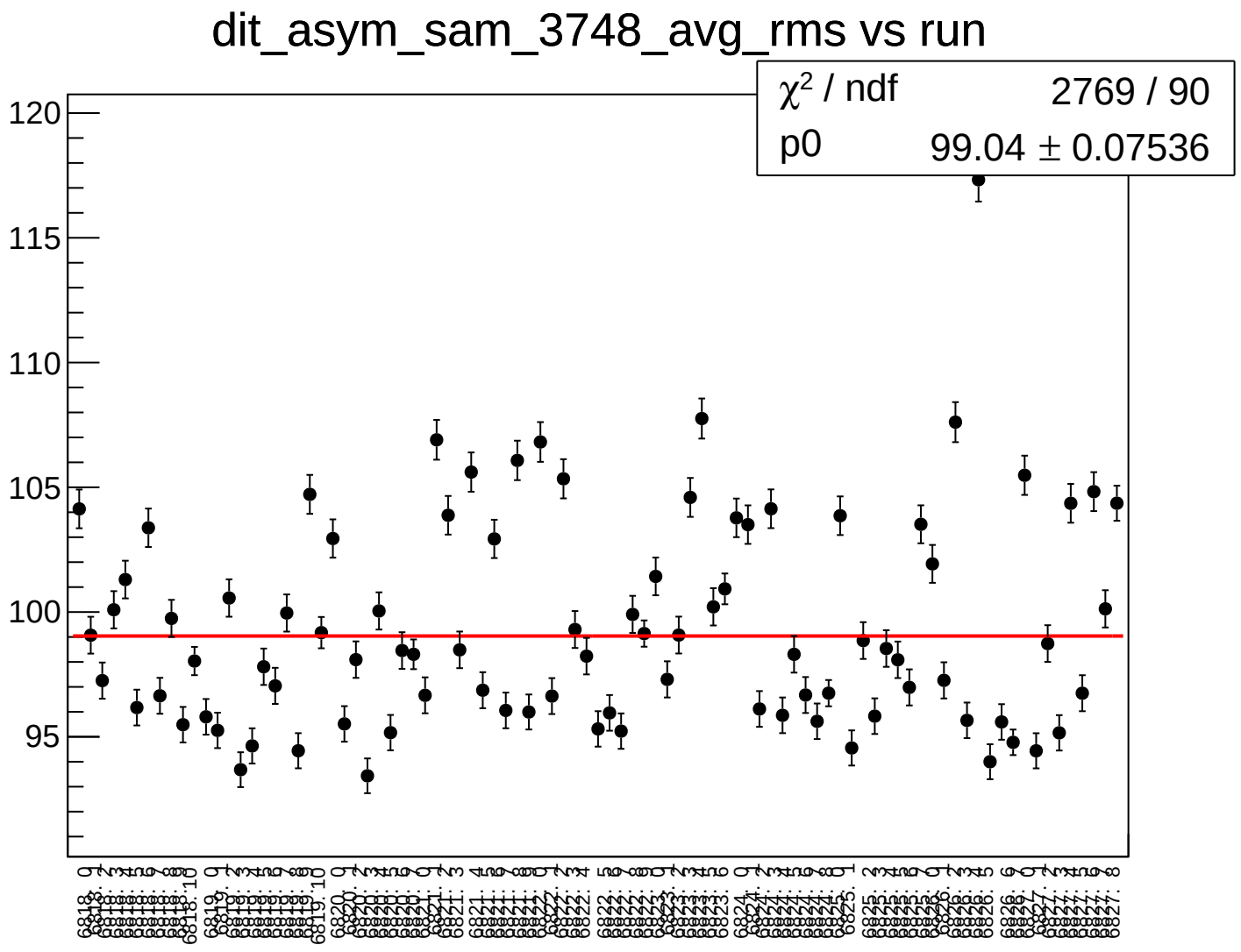

asym_sam_1548_avg_mean vs run
χ² / ndf 75.59 / 90
p0 −78.87 ± 670.9
20000
10000
0
−10000
−20000
pull
Entries 91
Mean −175.7
Std Dev 204.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

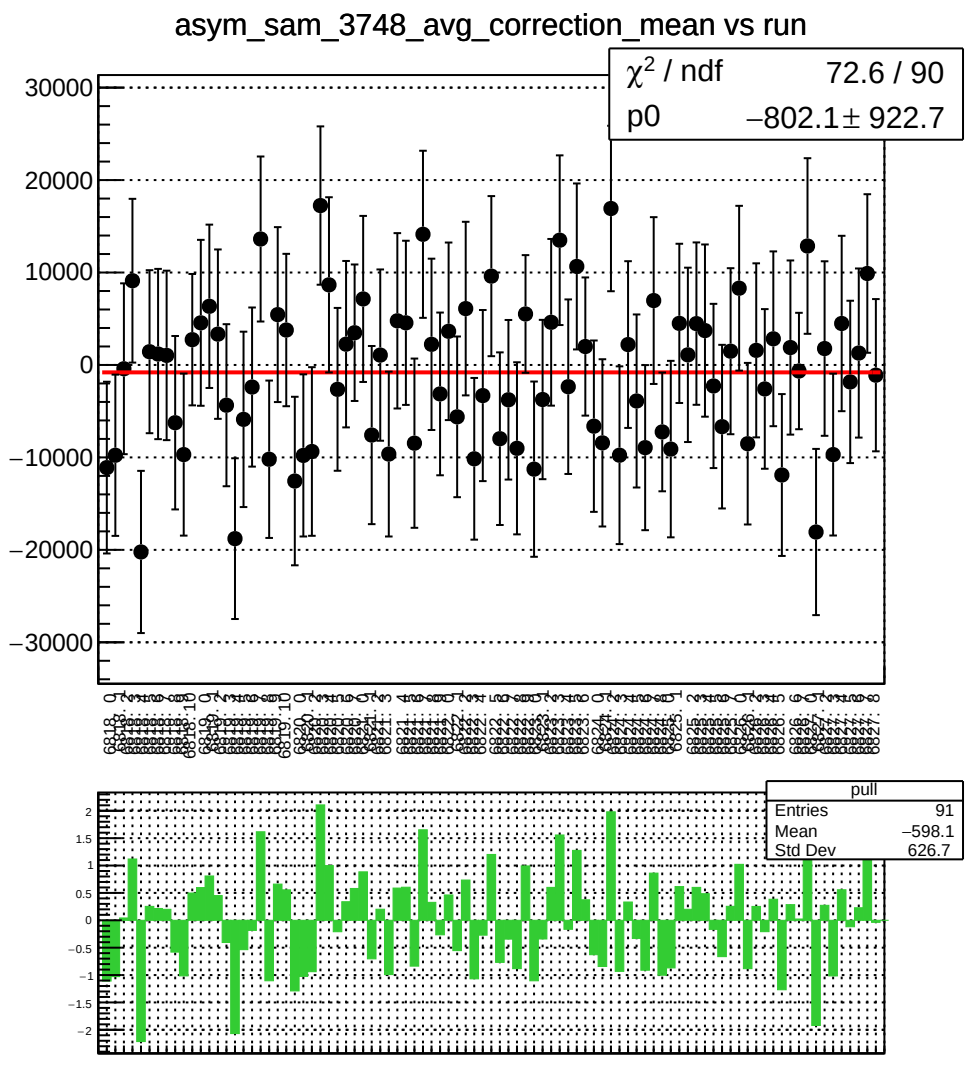

pull1D
Entries 91
Mean 0.003619
Std Dev 0.9114
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

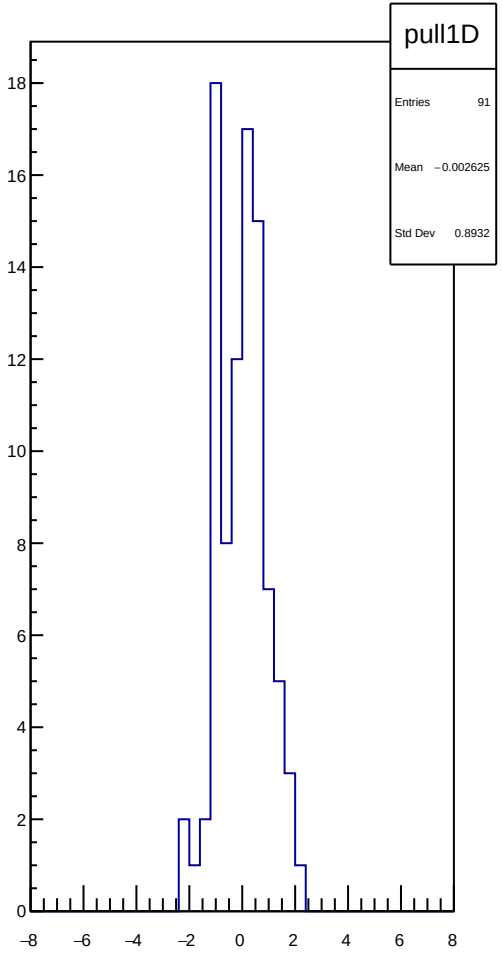

asym_sam_1548_avg_rms vs run
χ^2 / ndf 2625 / 90
p0 623.4 ± 0.4744
740
720
700
680
660
640
620
600
580
560

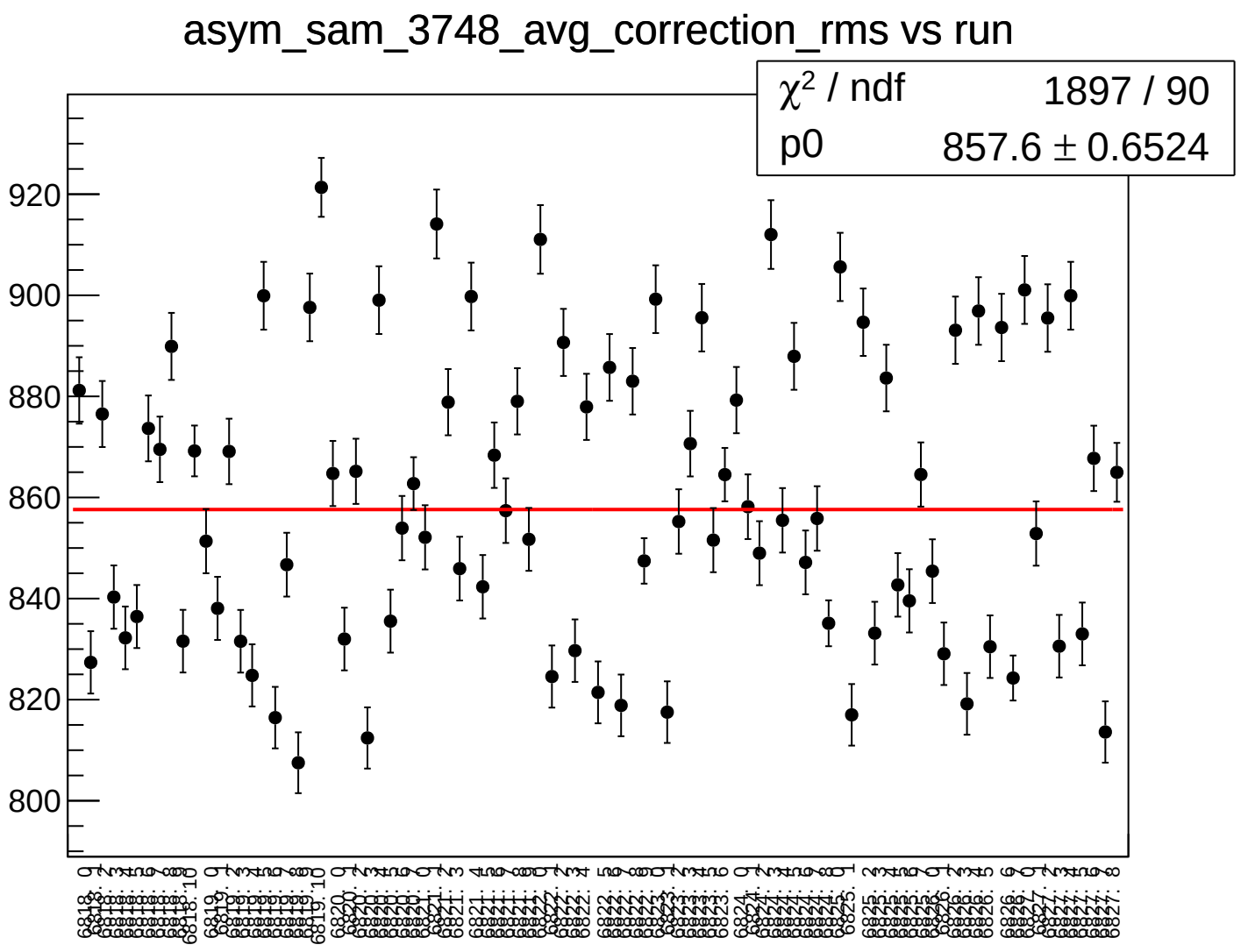

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 83.15 / 90
p0 −150.5 ± 106.6
pull
Entries 91
Mean 1511
Std Dev 1464

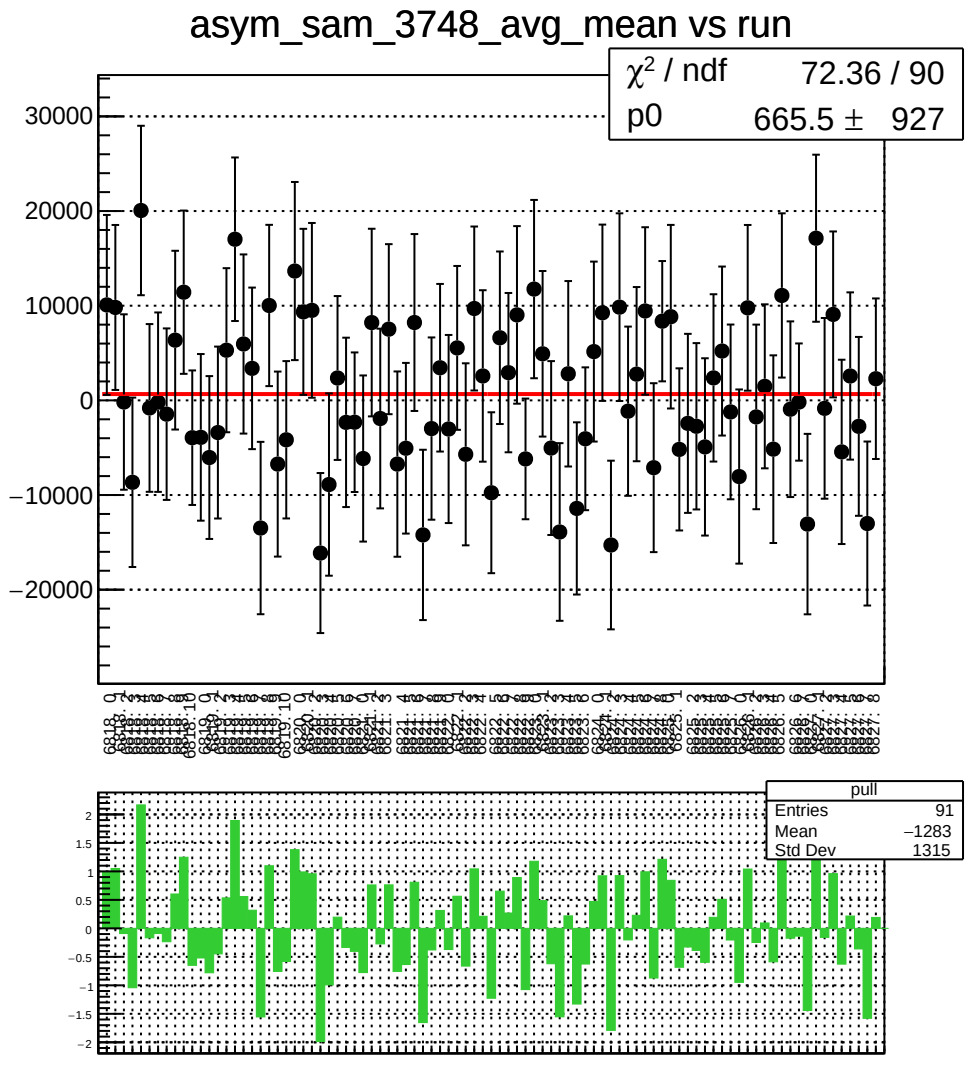

pull1D
Entries 91
Mean −0.002431
Std Dev 0.9559

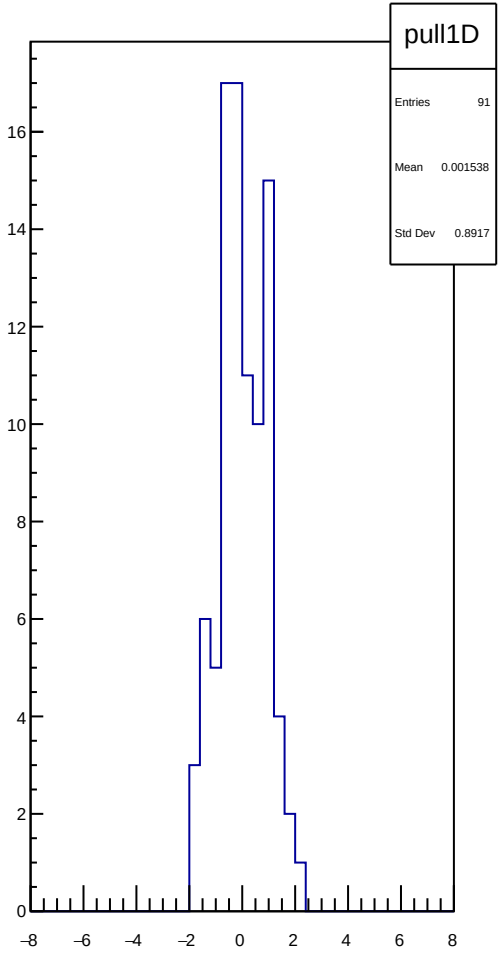

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2769 / 90
p0 99.04 ± 0.07536
120
115
110
105
100
95

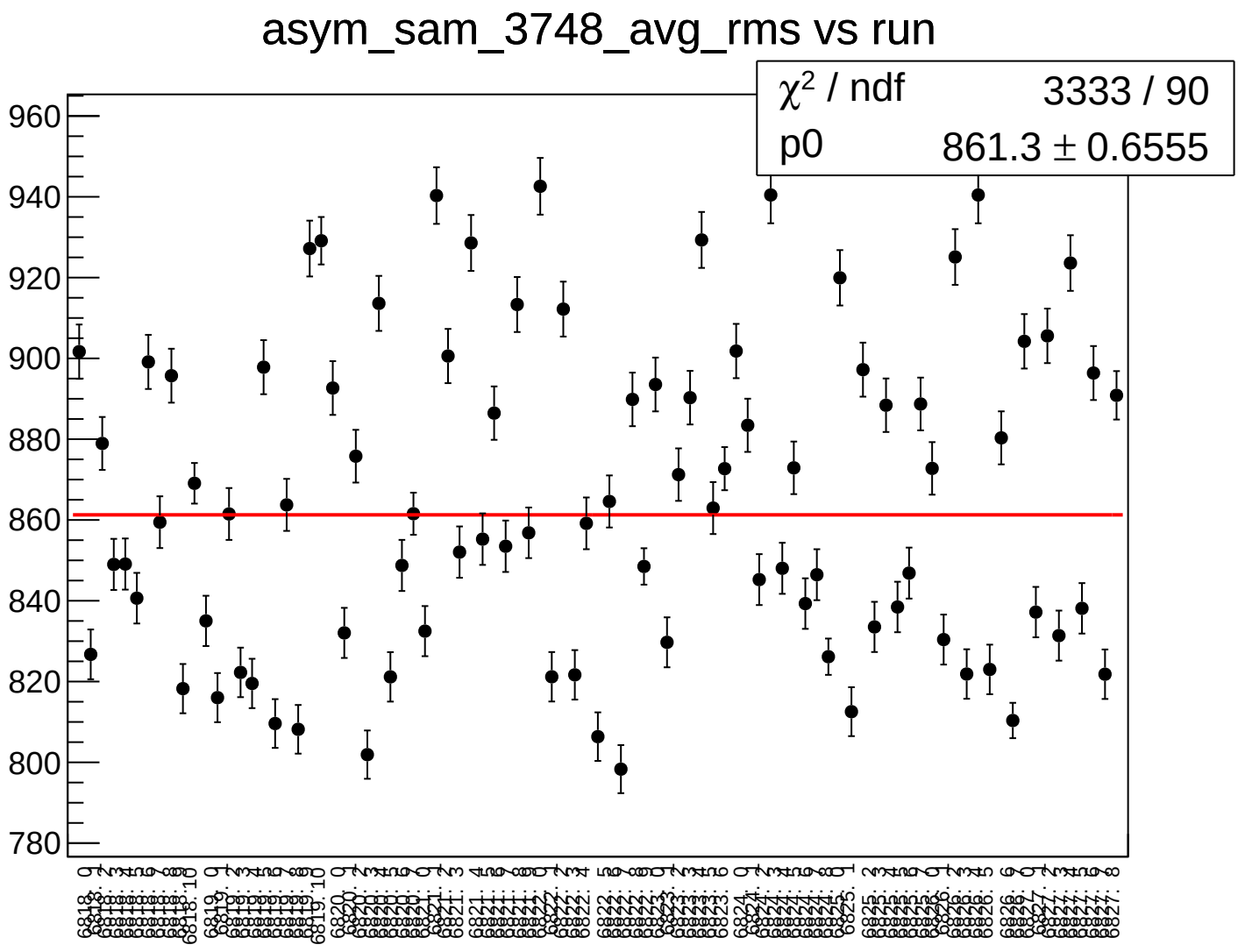

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 72.6 / 90
p0 −802.1 ± 922.7
pull
Entries 91
Mean −598.1
Std Dev 626.7

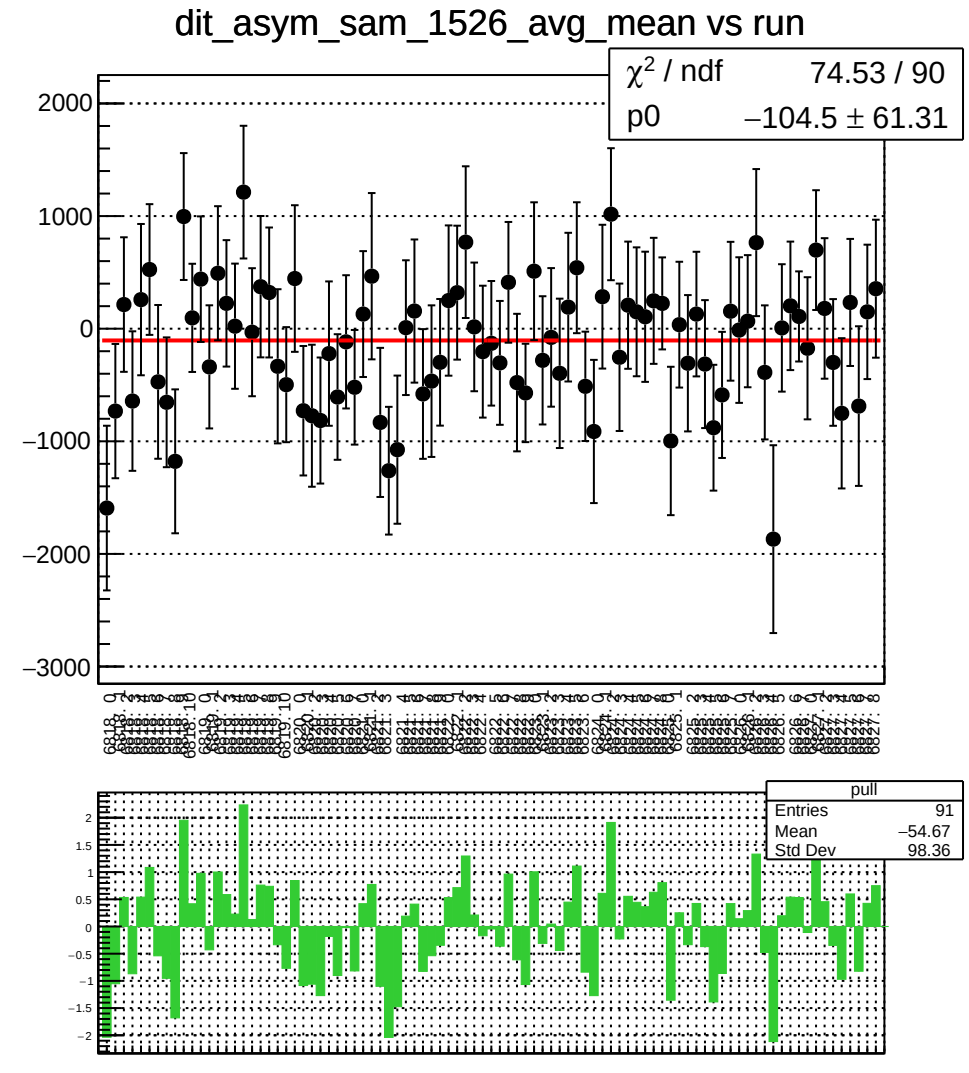

pull1D
Entries 91
Mean −0.002625
Std Dev 0.8932

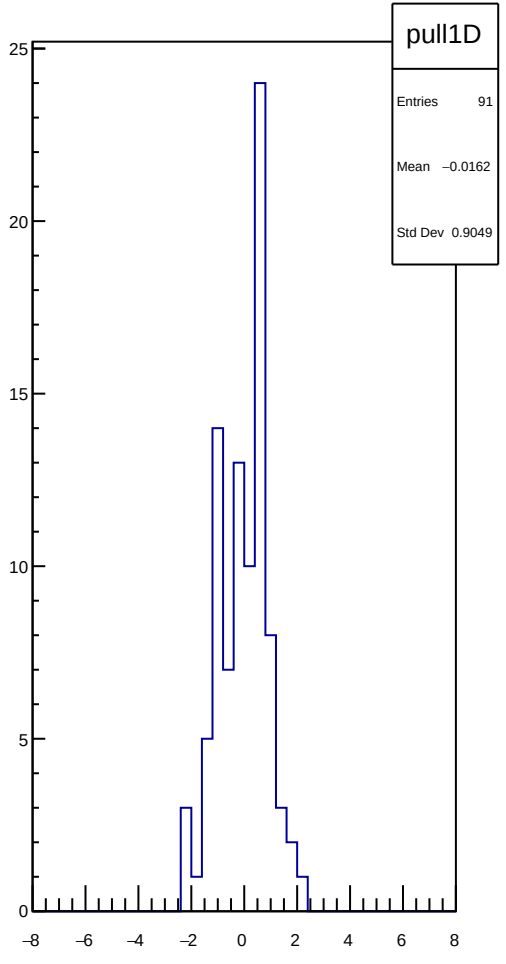

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1897 / 90
p0 857.6 ± 0.6524
920
900
880
860
840
820
800

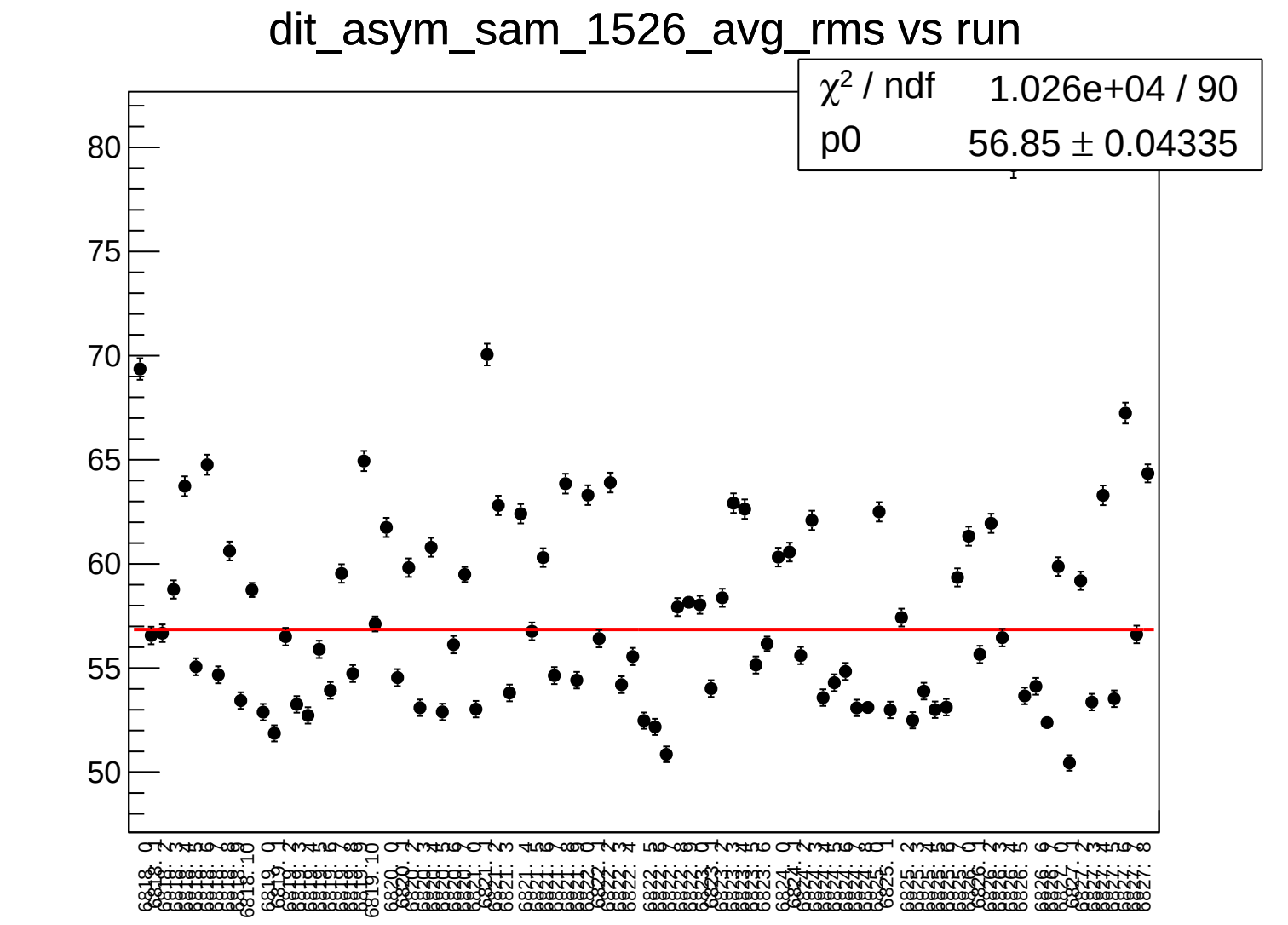

asym_sam_3748_avg_mean vs run
χ² / ndf 72.36 / 90
p0 665.5 ± 927
pull
Entries 91
Mean −1283
Std Dev 1315

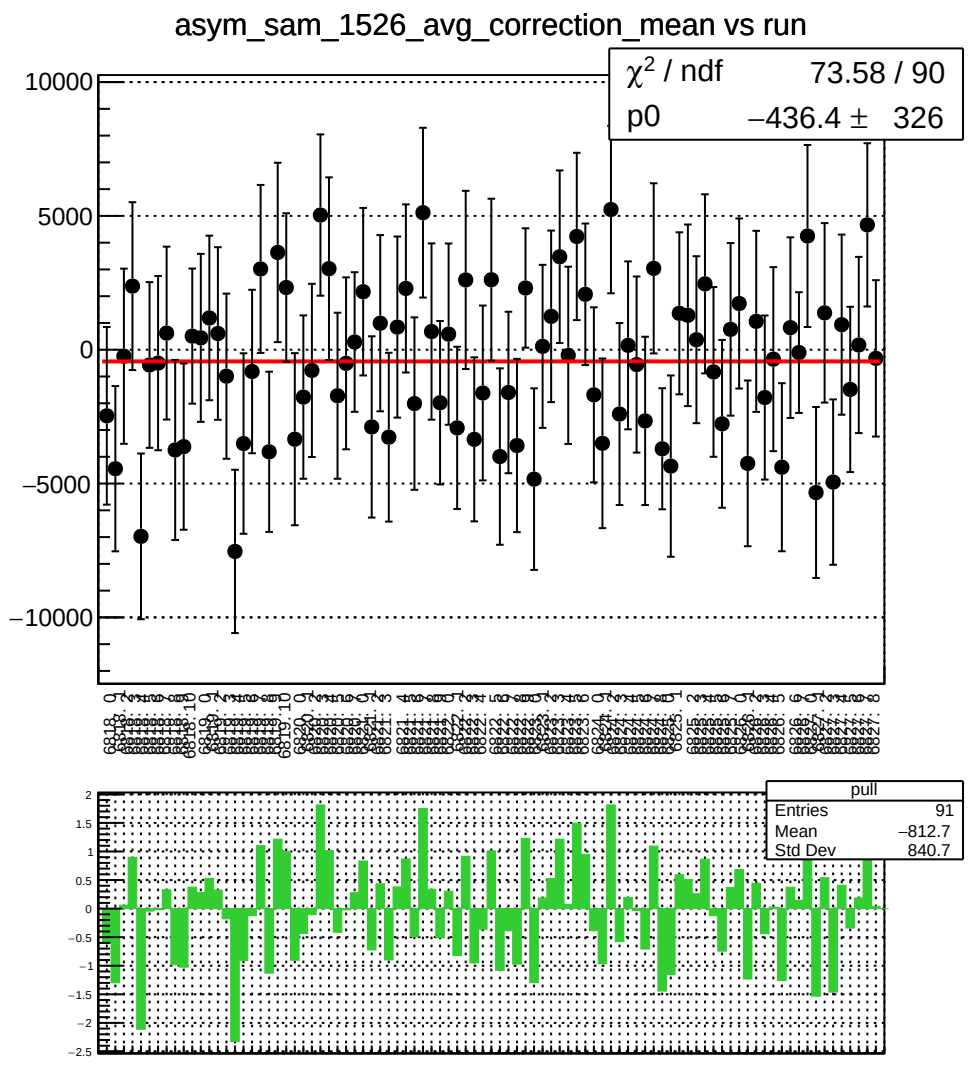

pull1D
Entries 91
Mean 0.001538
Std Dev 0.8917

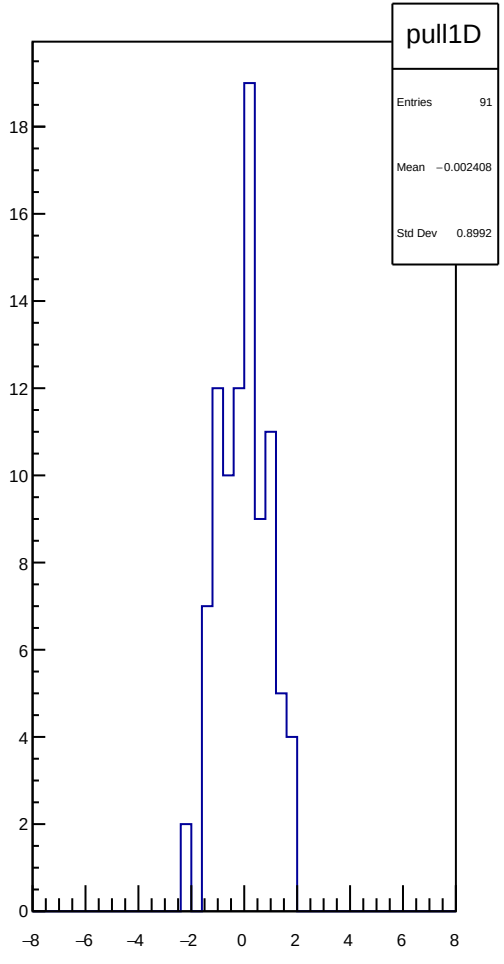

asym_sam_3748_avg_rms vs run
χ² / ndf 3333 / 90
p0 861.3 ± 0.6555
960
940
920
900
880
860
840
820
800
780

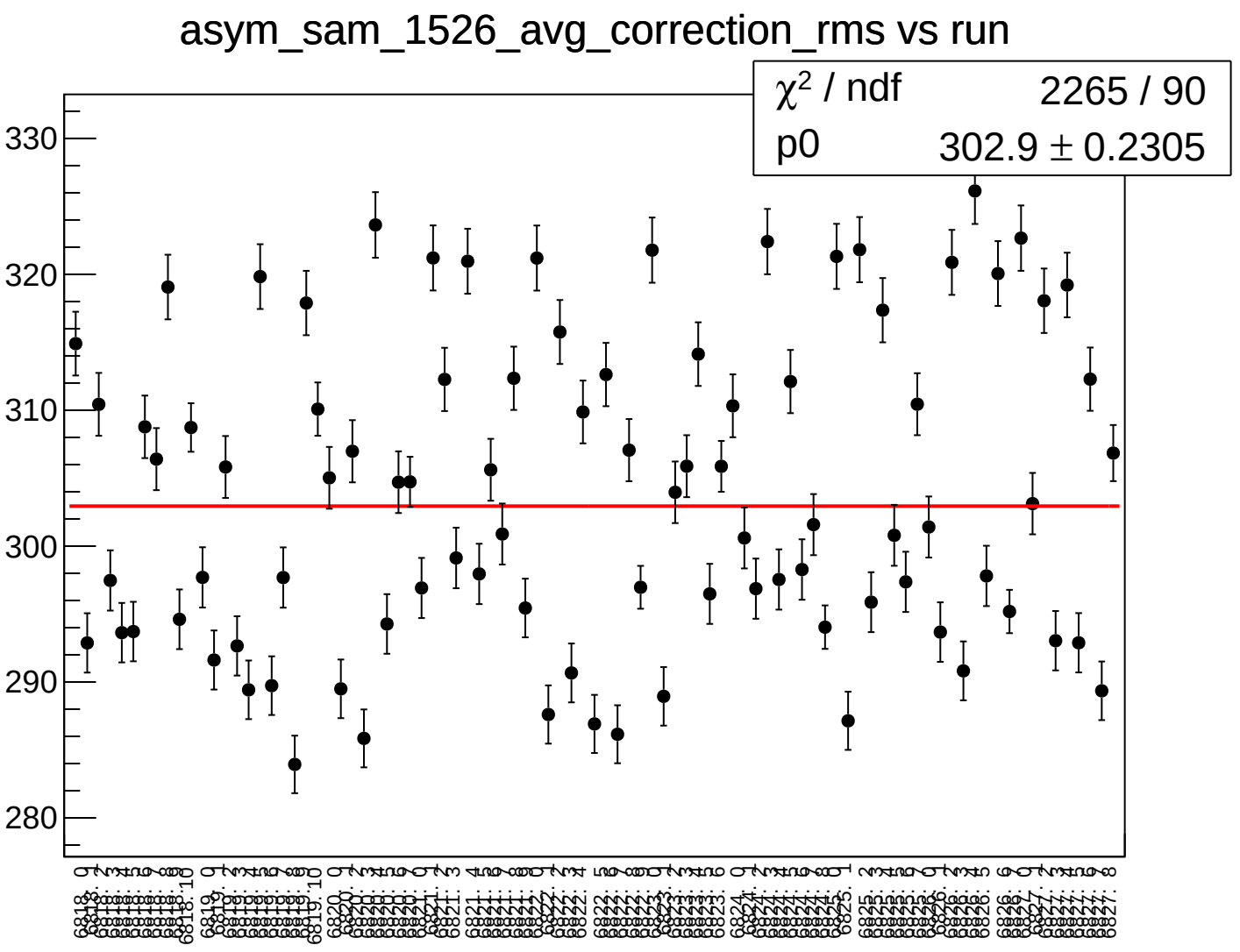

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 74.53 / 90
p0 −104.5 ± 61.31
2000
1000
0
−1000
−2000
−3000
pull
Entries 91
Mean −54.67
Std Dev 98.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

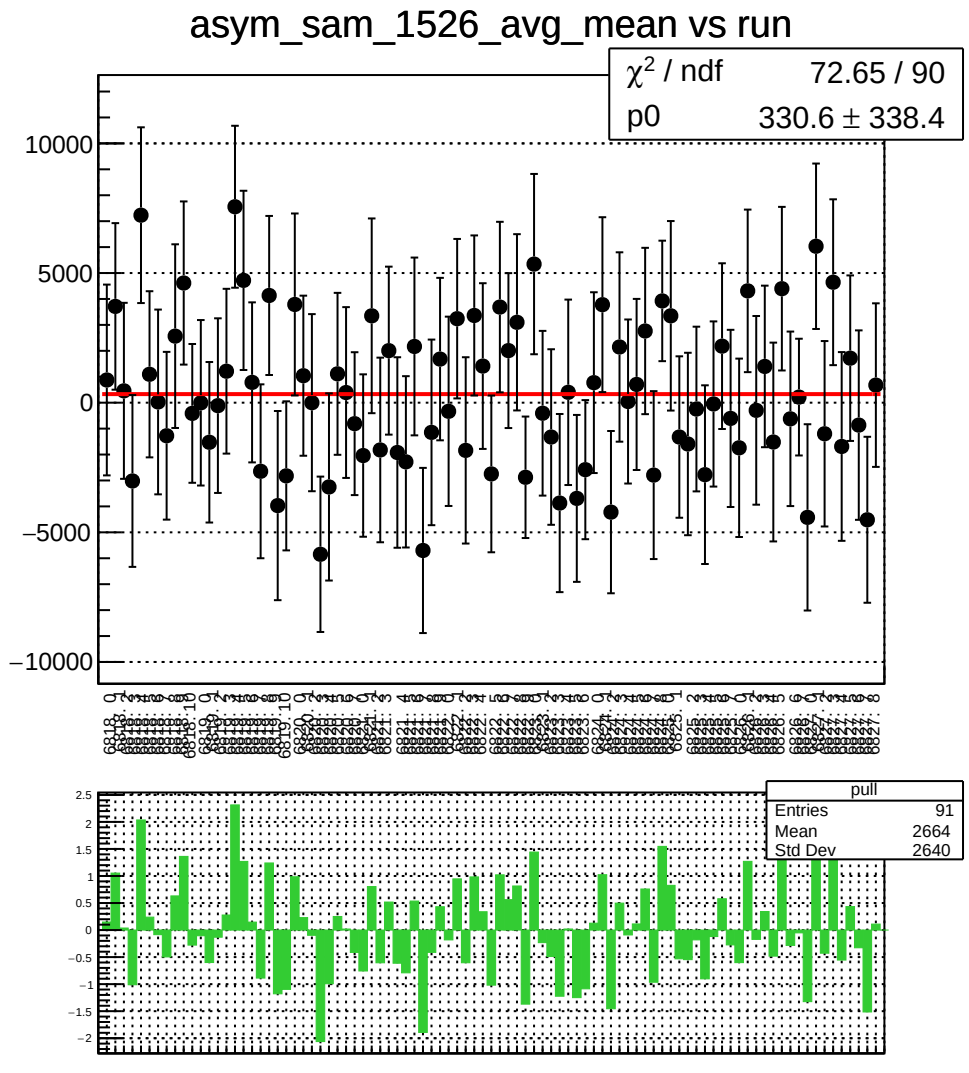

pull1D
Entries 91
Mean −0.0162
Std Dev 0.9049
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

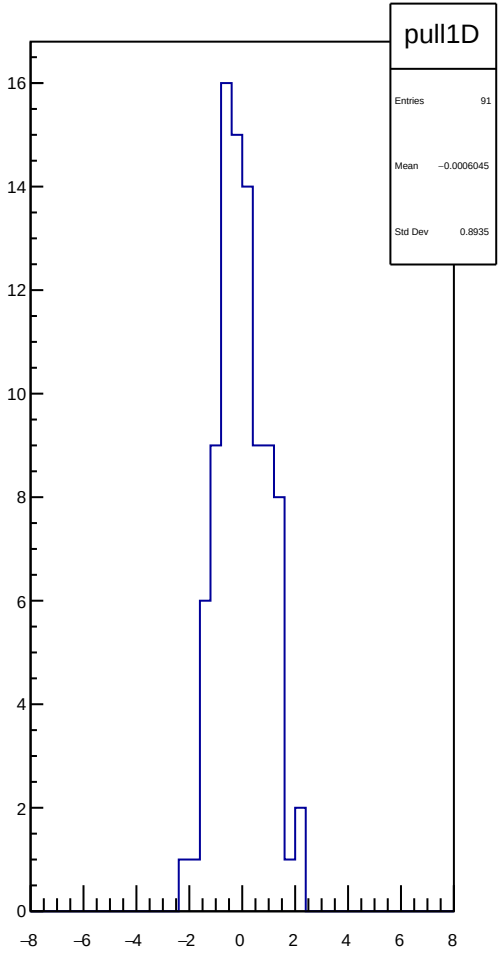

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.026e+04 / 90
p0 56.85 ± 0.04335
80
75
70
65
60
55
50

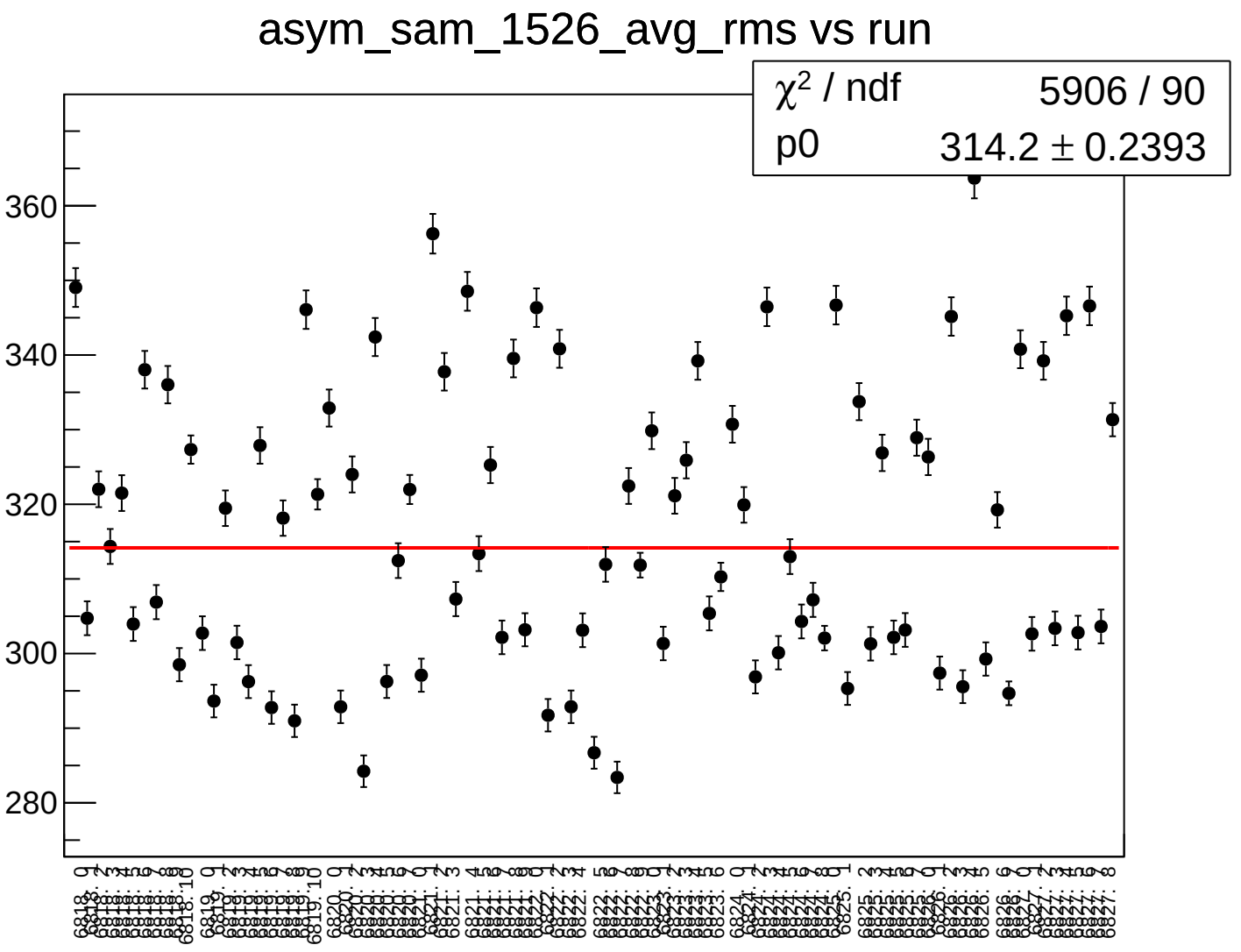

asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 73.58 / 90
p0 −436.4 ± 326
10000
5000
0
−5000
−10000
pull
Entries 91
Mean −812.7
Std Dev 840.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

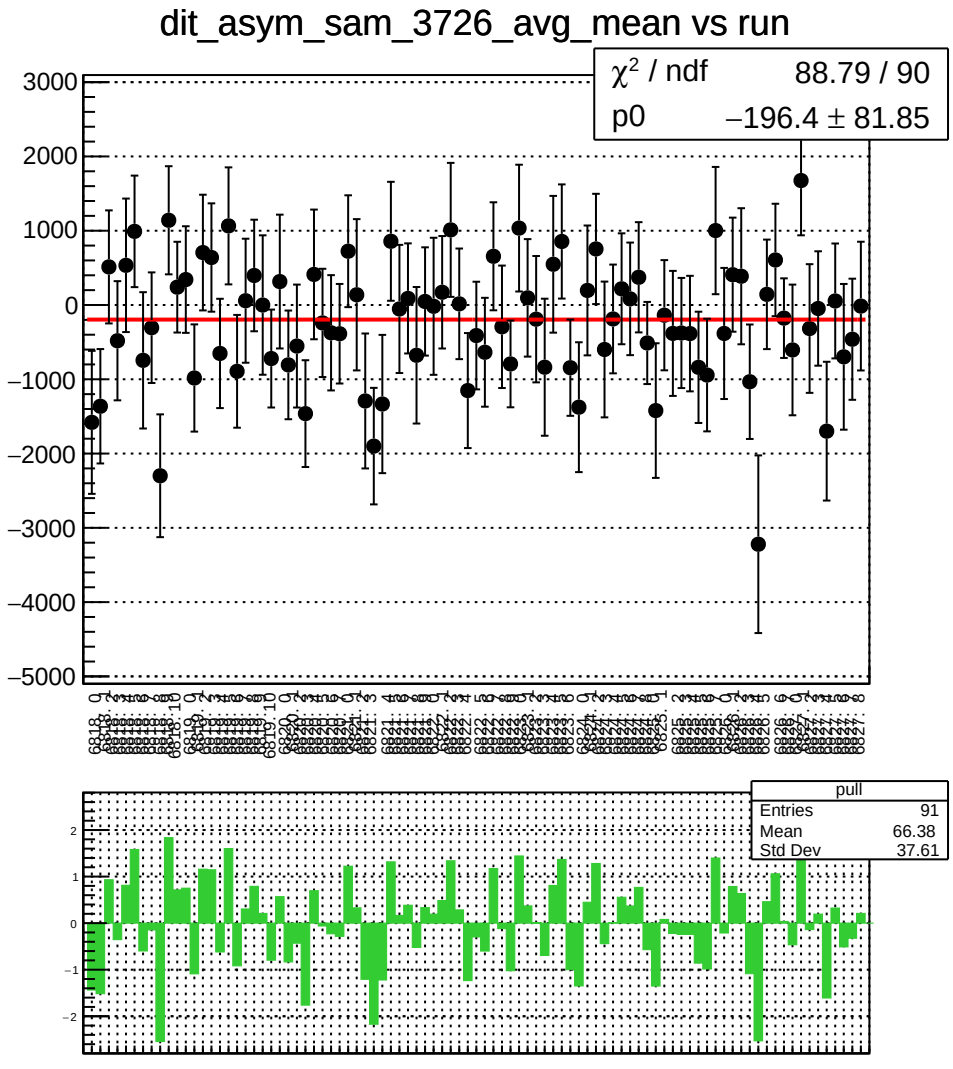

pull1D
Entries 91
Mean −0.002408
Std Dev 0.8992
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

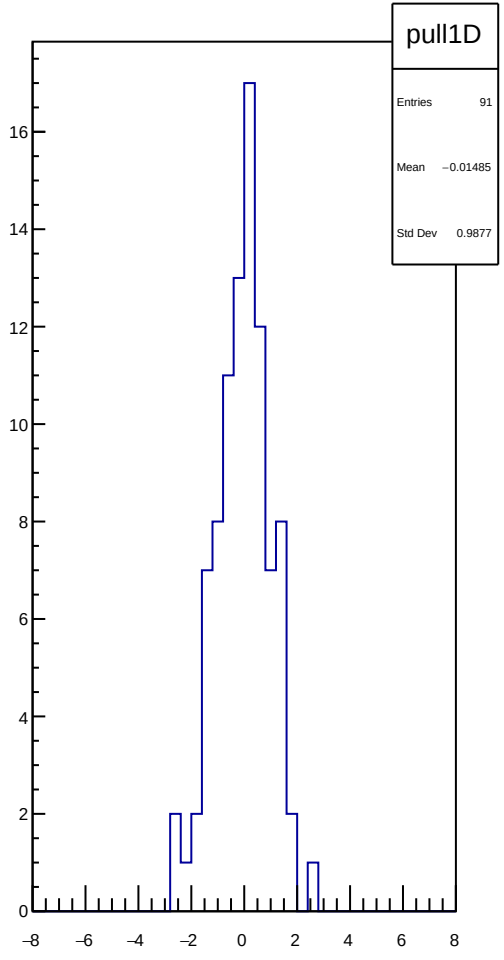

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2265 / 90
p0 302.9 ± 0.2305
330
320
310
300
290
280

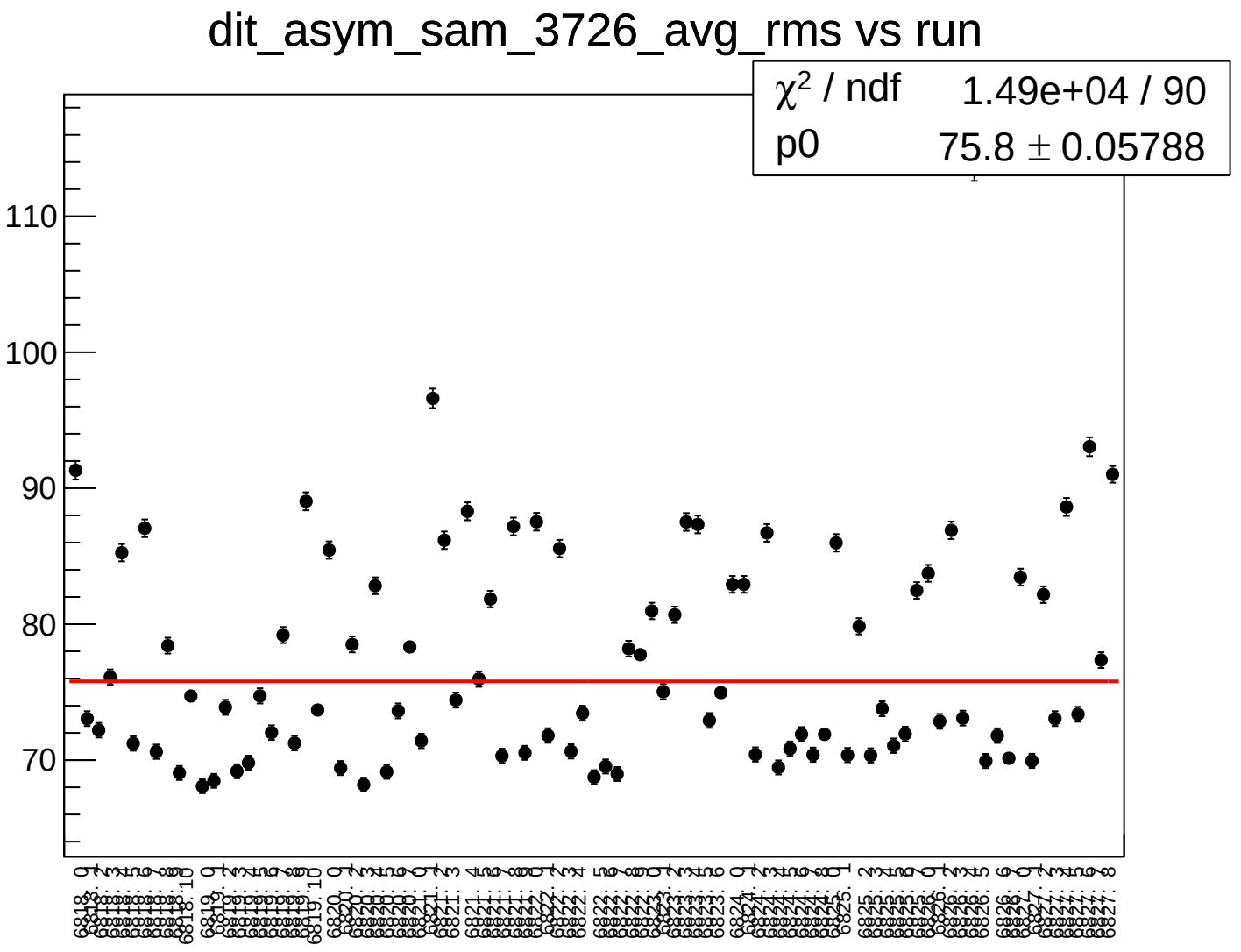

asym_sam_1526_avg_mean vs run
χ² / ndf 72.65 / 90
p0 330.6 ± 338.4
10000
5000
0
−5000
−10000
pull
Entries 91
Mean 2664
Std Dev 2640
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

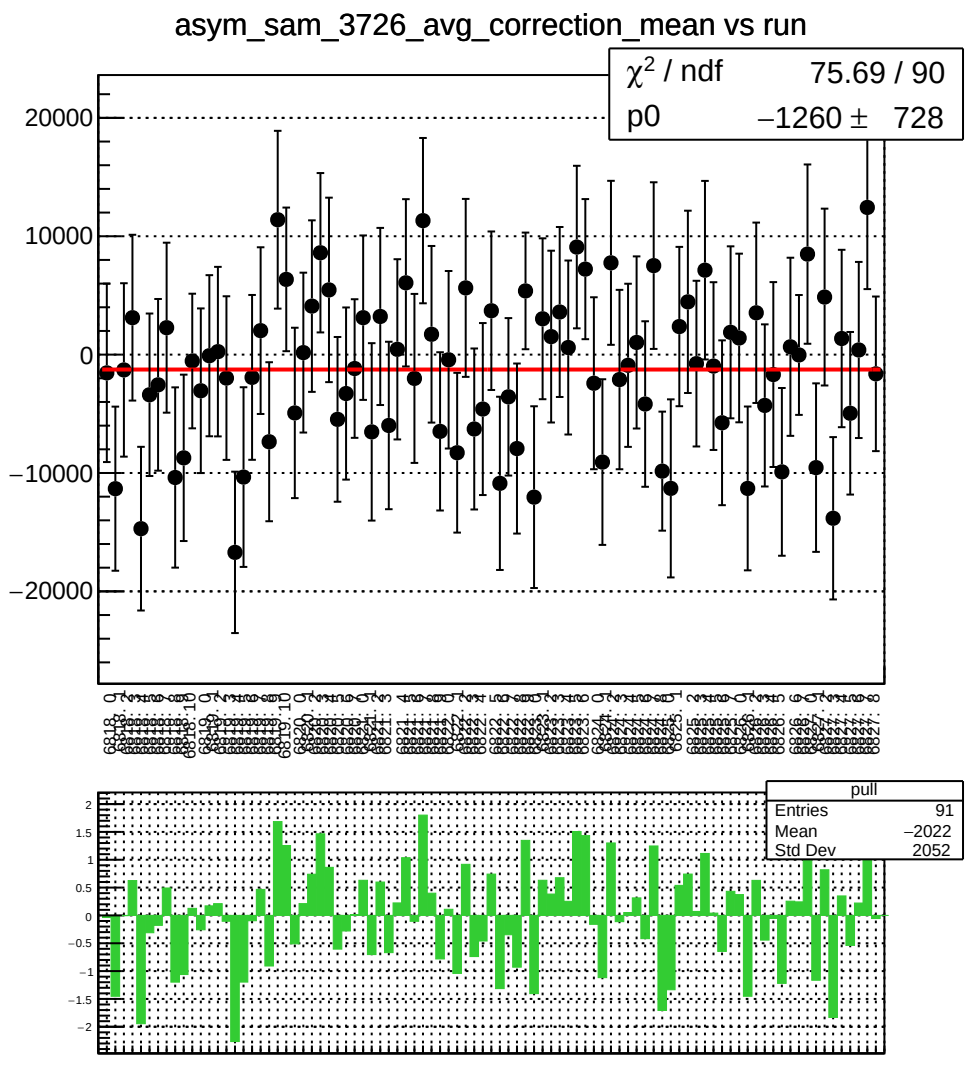

pull1D
Entries 91
Mean −0.0006045
Std Dev 0.8935
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

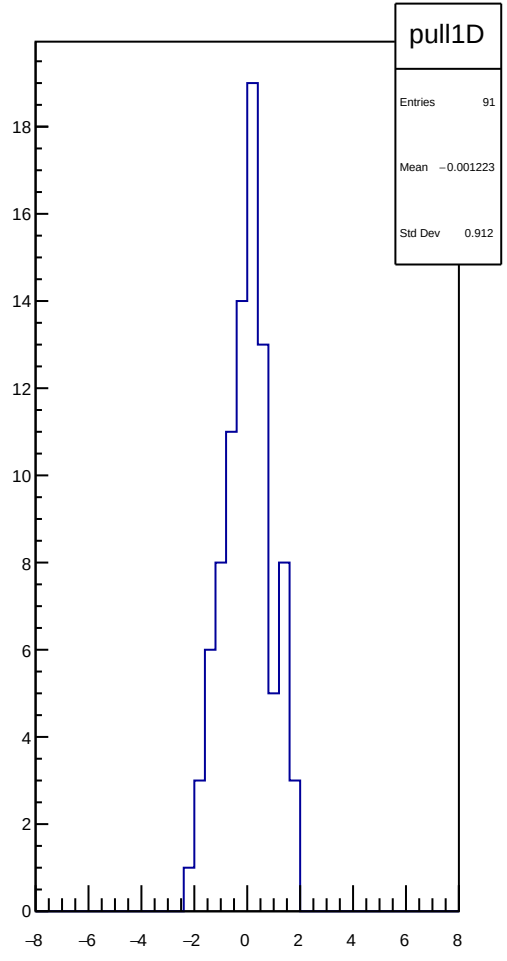

asym_sam_1526_avg_rms vs run
χ^2 / ndf 5906 / 90
p0 314.2 ± 0.2393
360
340
320
300
280

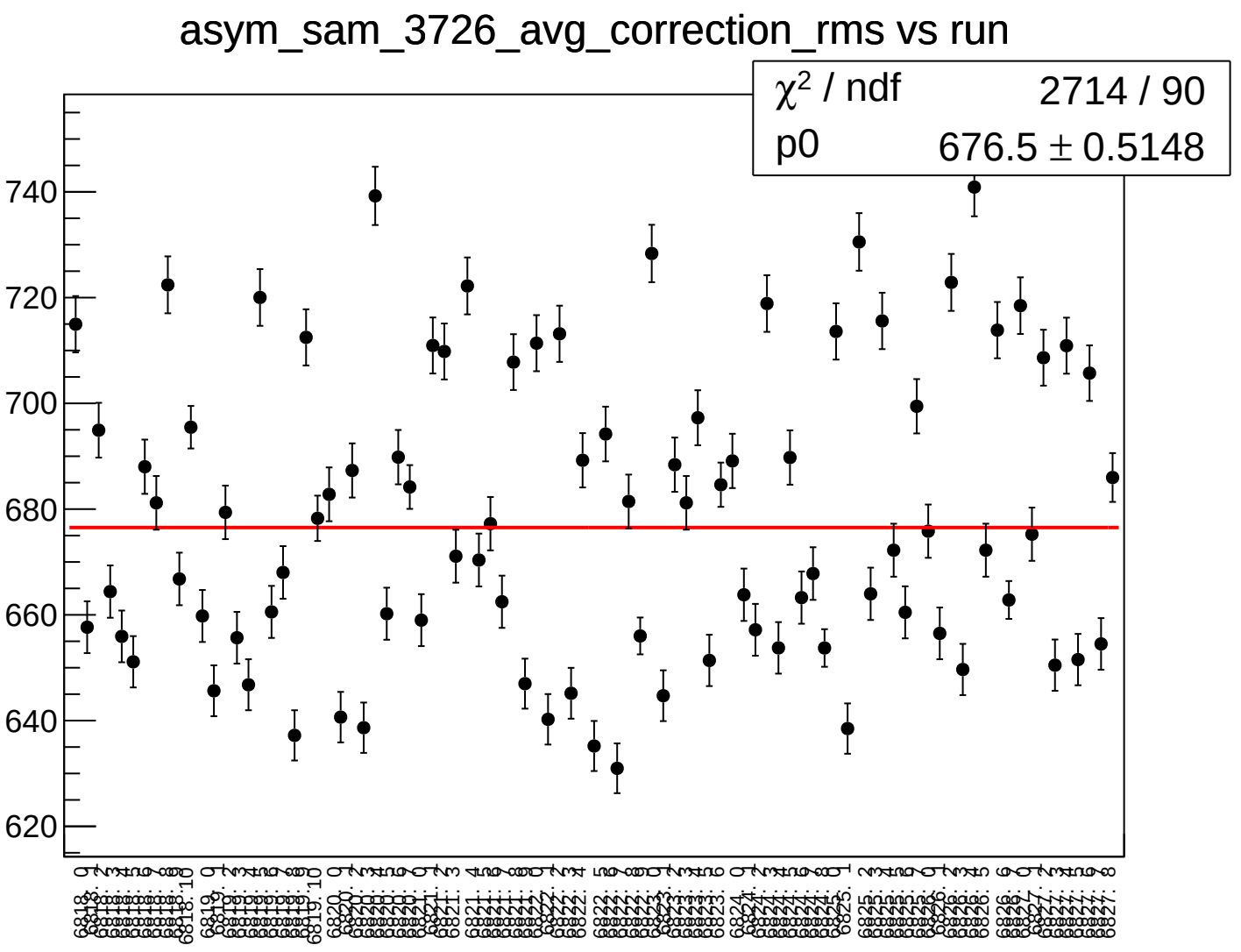

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 88.79 / 90
p0 −196.4 ± 81.85
pull
Entries 91
Mean 66.38
Std Dev 37.61

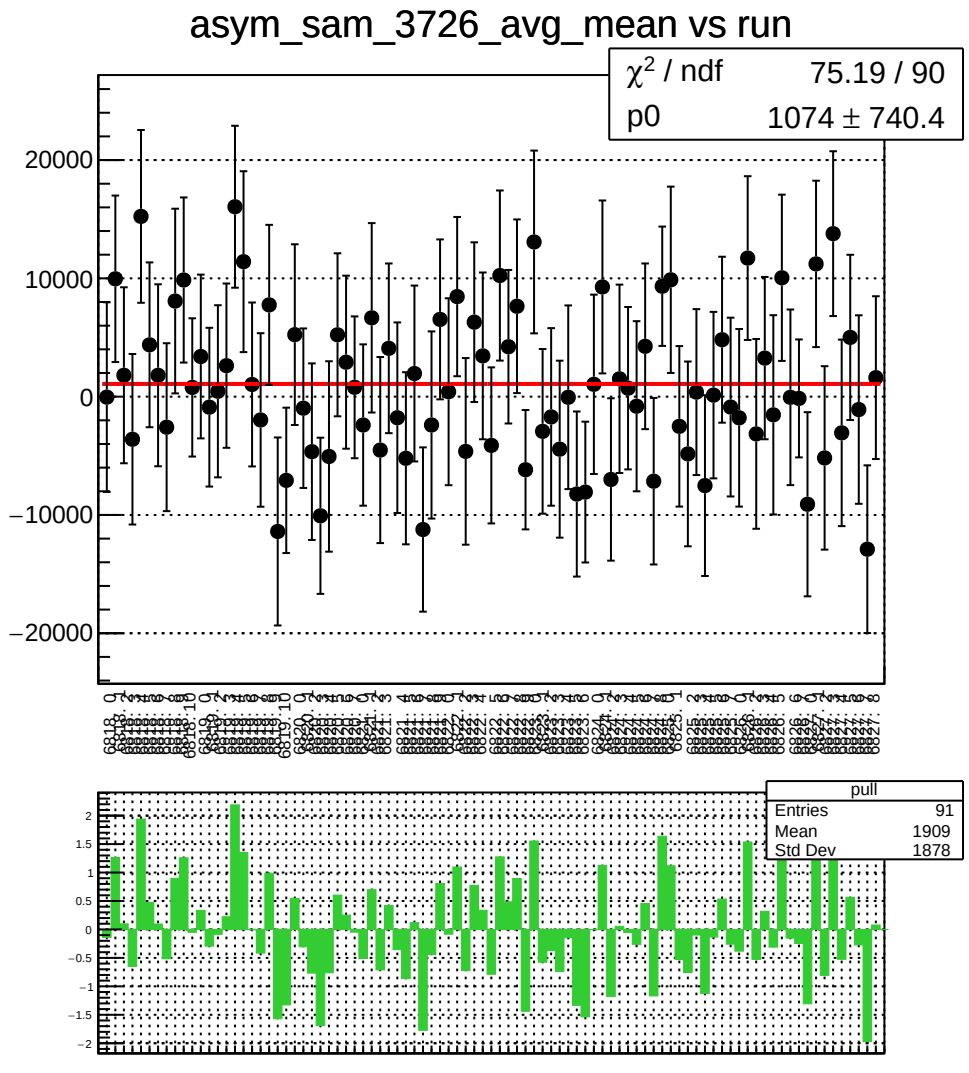

pull1D
Entries 91
Mean −0.01485
Std Dev 0.9877

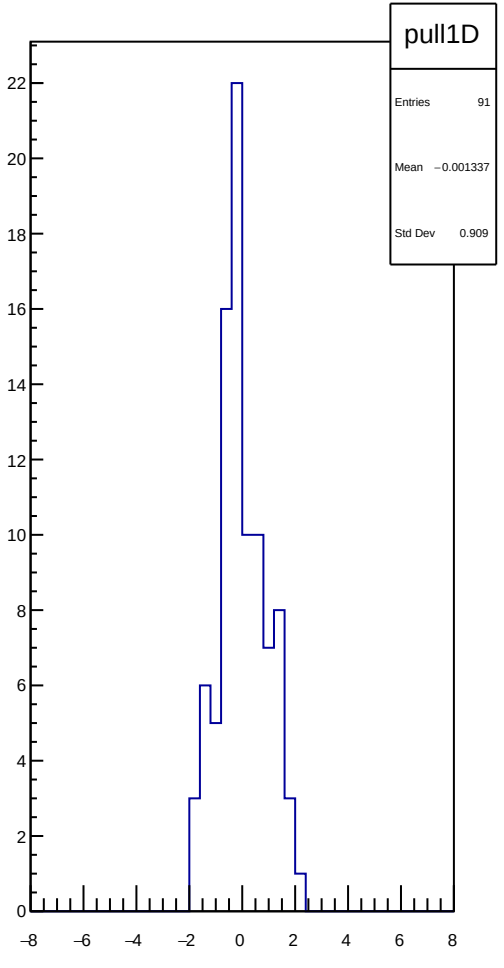

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.49e+04 / 90
p0 75.8 ± 0.05788
110
100
90
80
70

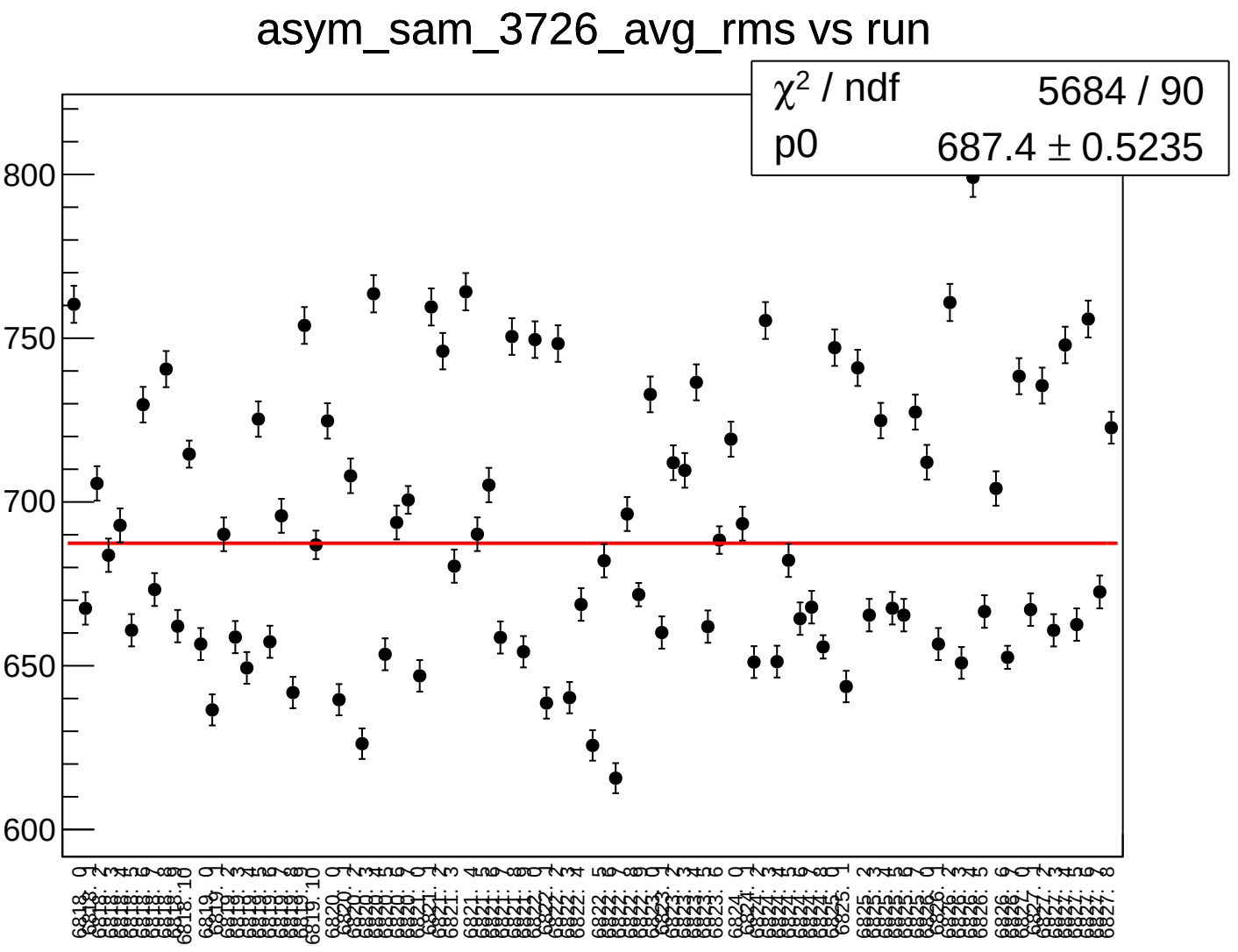

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 75.69 / 90
p0 −1260 ± 728
20000
10000
0
−10000
−20000
pull
Entries 91
Mean −2022
Std Dev 2052
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

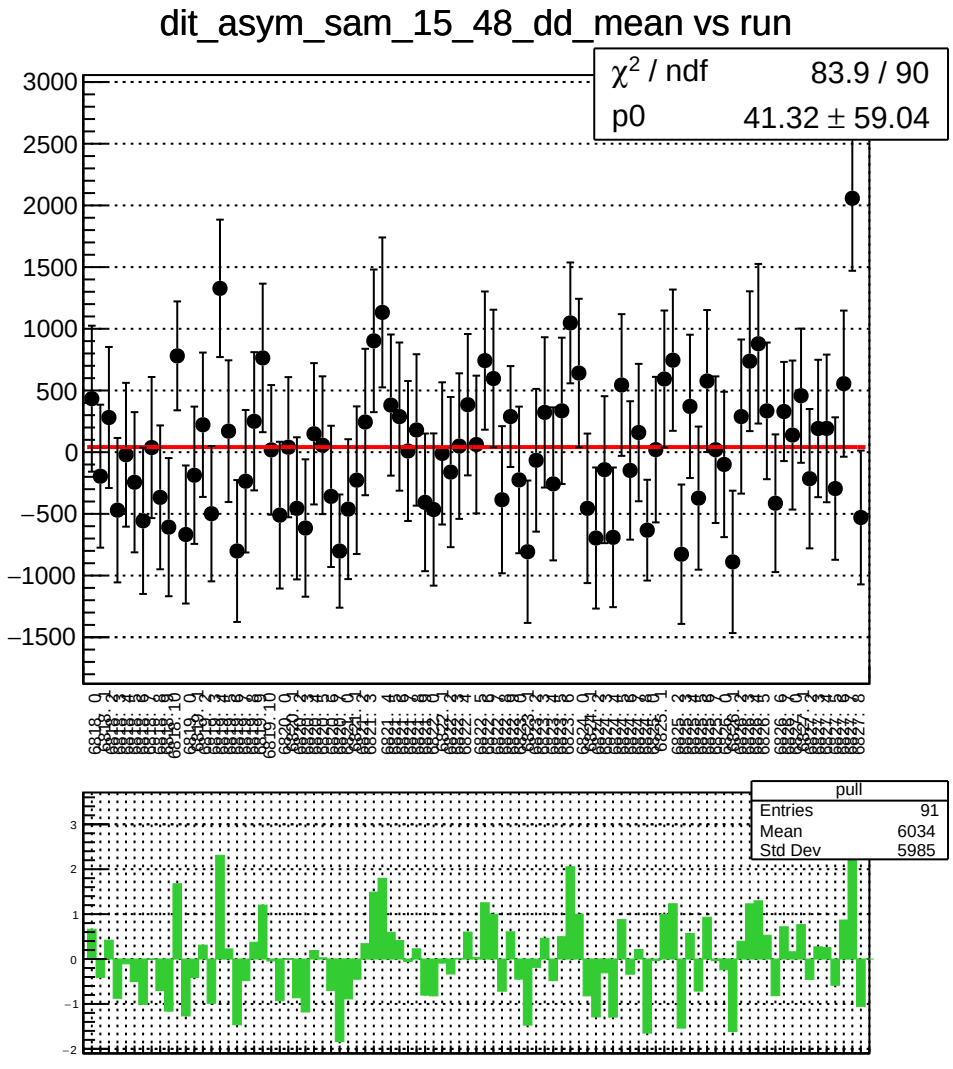

pull1D
Entries 91
Mean −0.001223
Std Dev 0.912
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

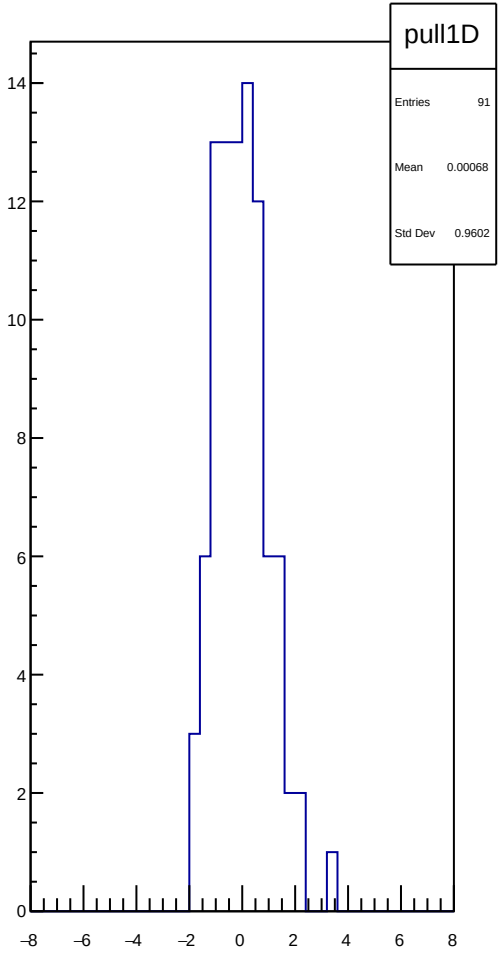

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2714 / 90
p0 676.5 ± 0.5148
740
720
700
680
660
640
620

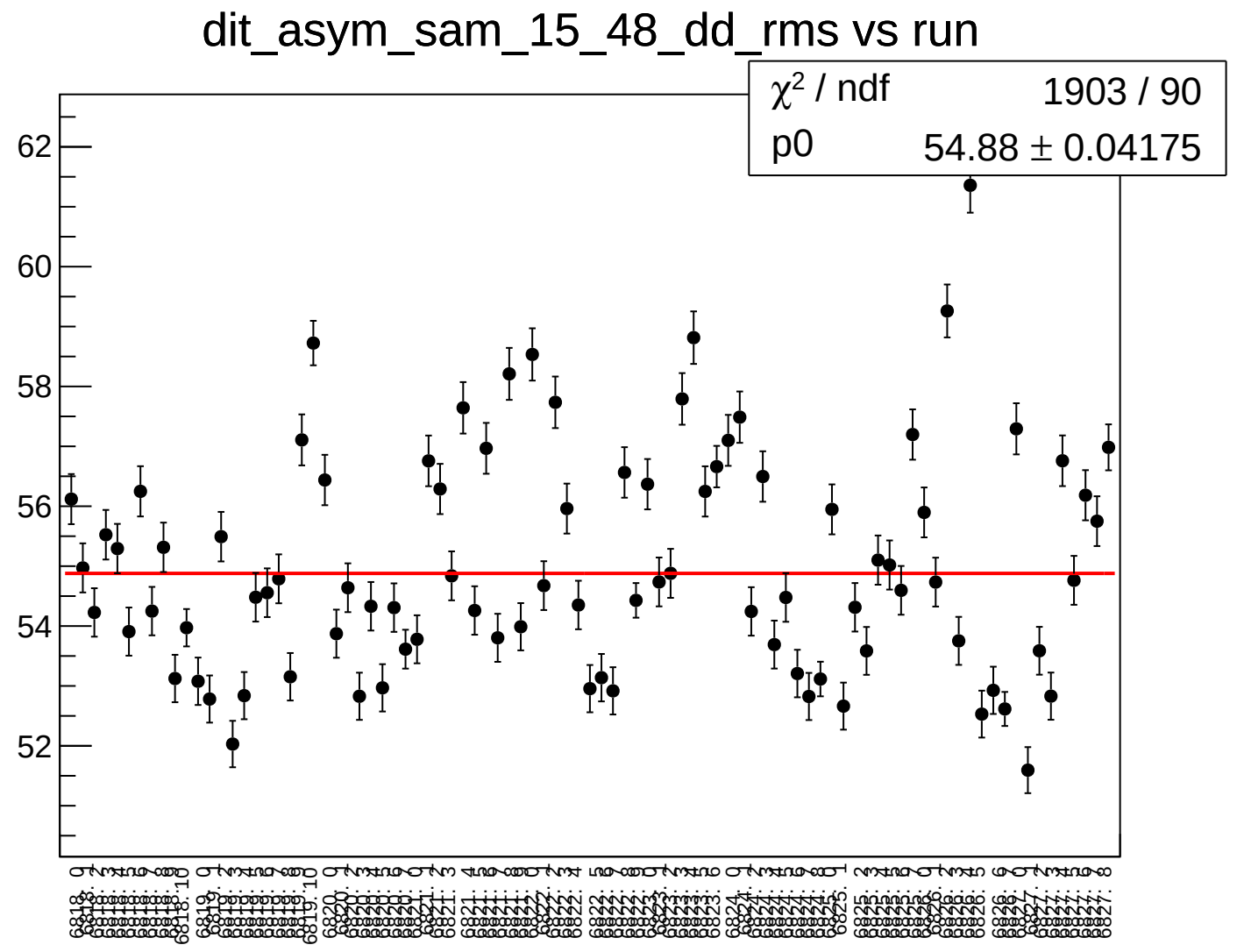

asym_sam_3726_avg_mean vs run
χ² / ndf 75.19 / 90
p0 1074 ± 740.4
20000
10000
0
−10000
−20000
pull
Entries 91
Mean 1909
Std Dev 1878
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

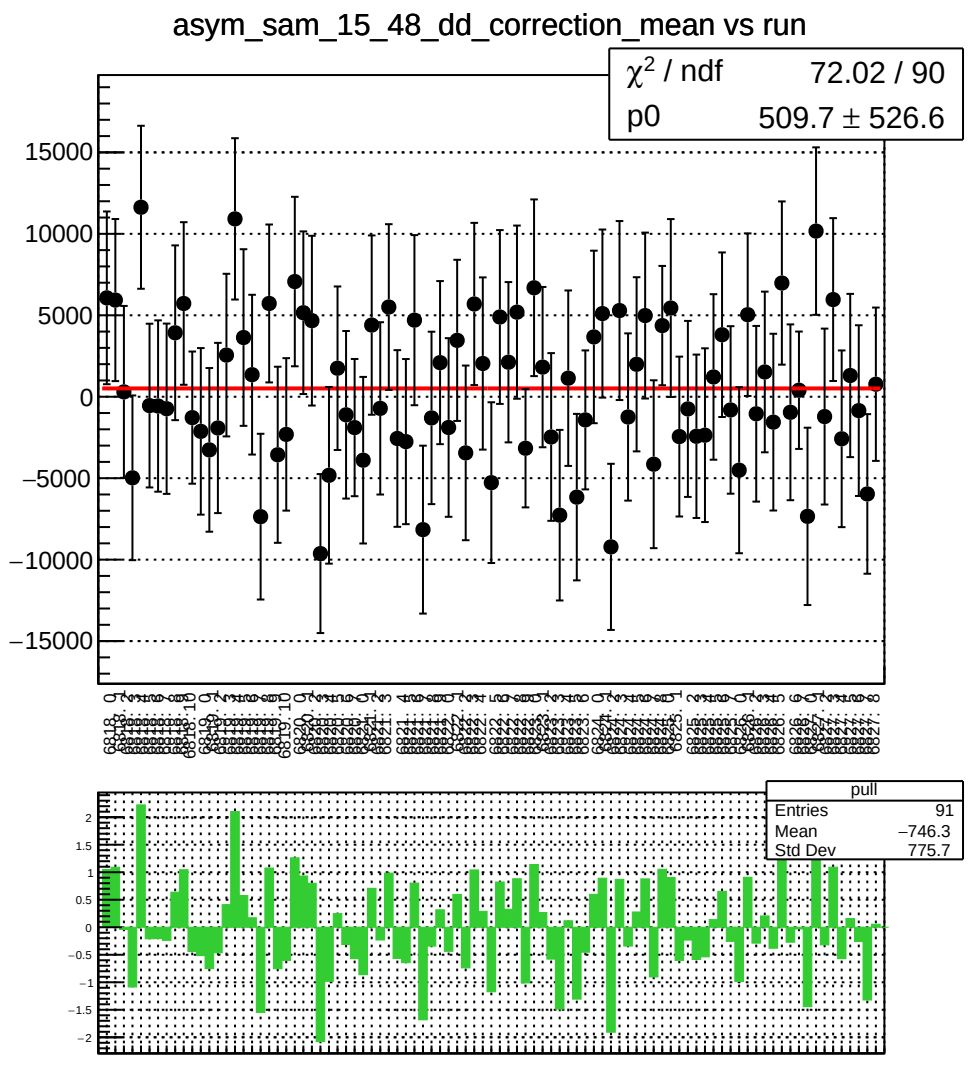

pull1D
Entries 91
Mean −0.001337
Std Dev 0.909
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

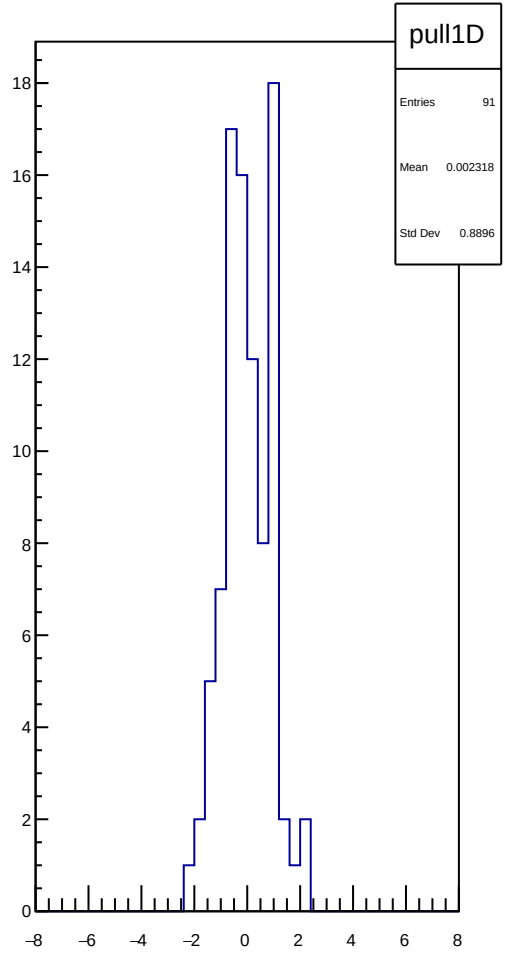

asym_sam_3726_avg_rms vs run
χ^2 / ndf 5684 / 90
p0 687.4 ± 0.5235
800
750
700
650
600

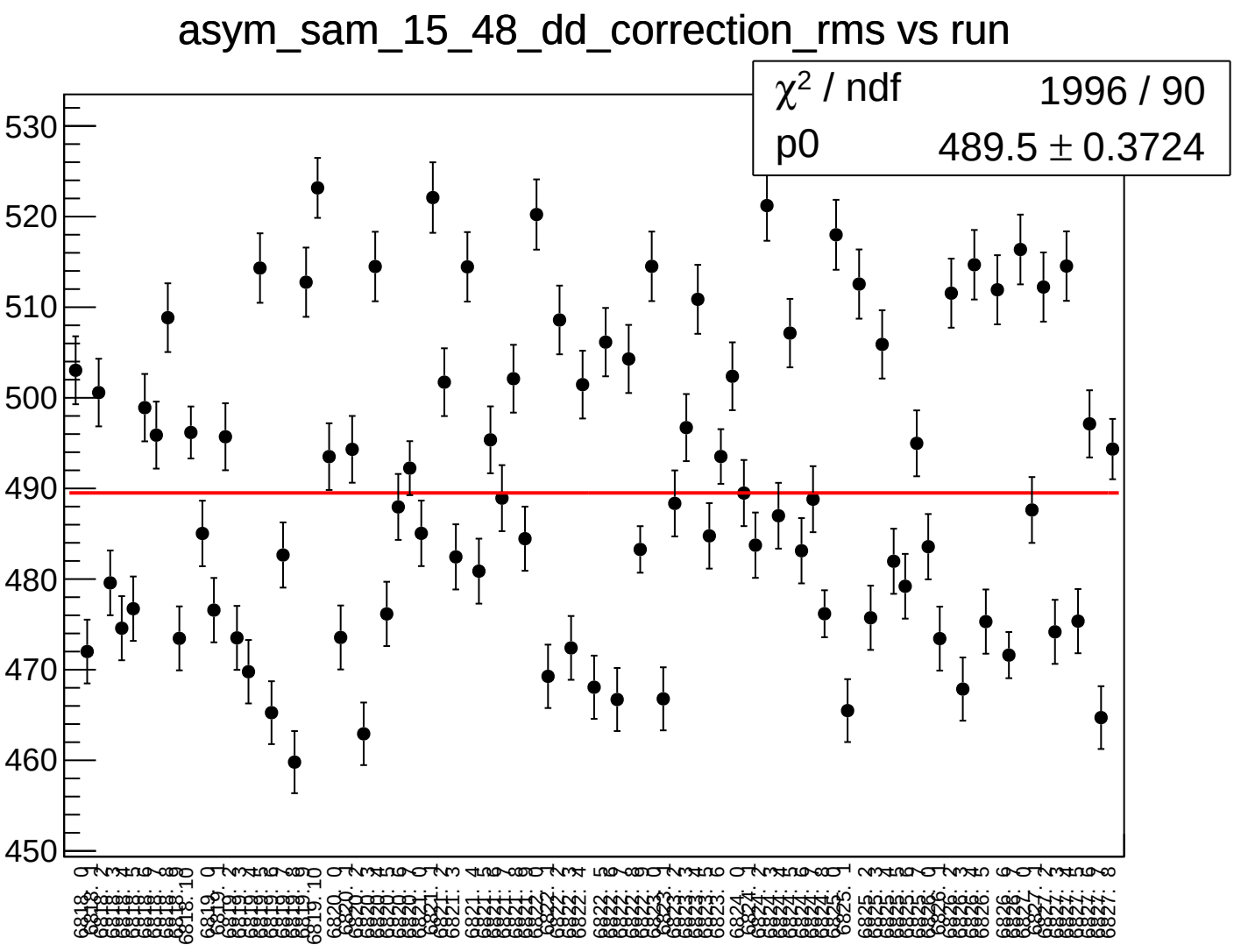

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 83.9 / 90
p0 41.32 ± 59.04
pull
Entries 91
Mean 6034
Std Dev 5985

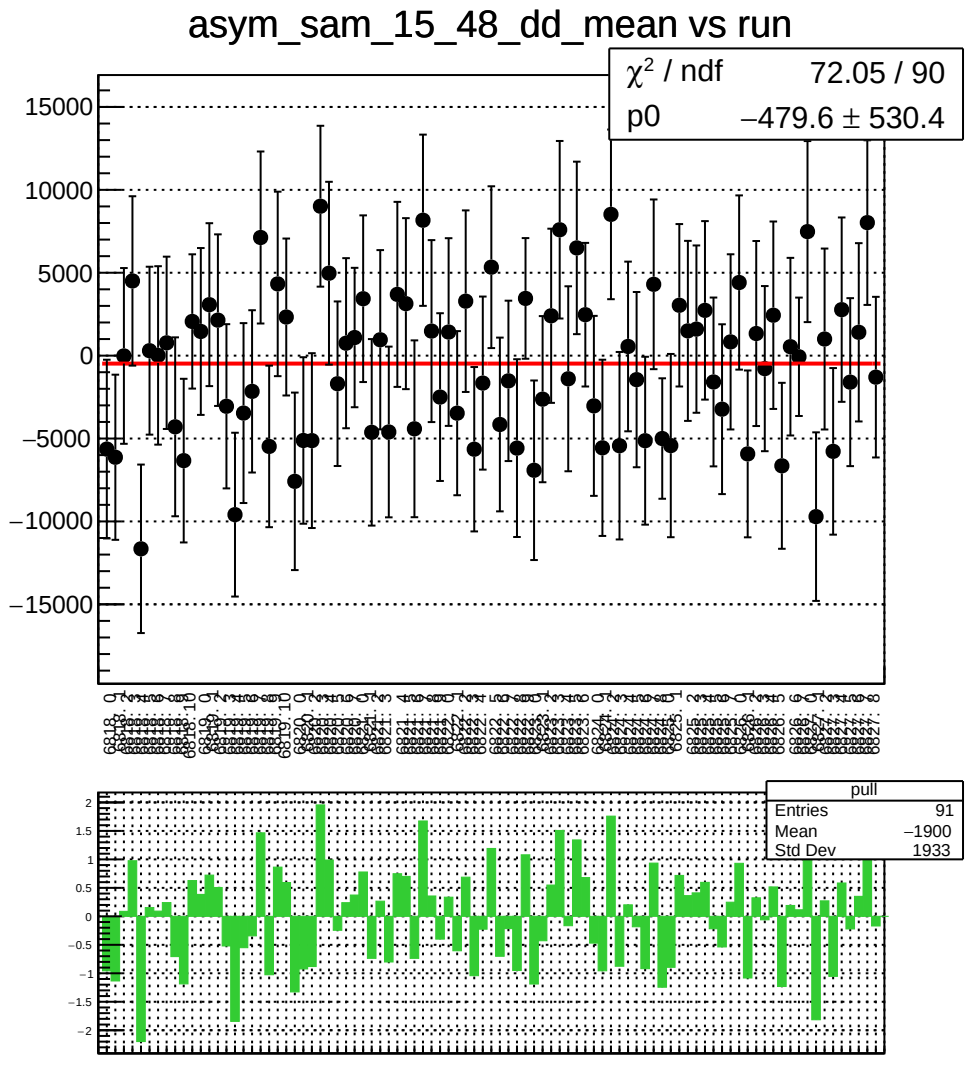

pull1D
Entries 91
Mean 0.00068
Std Dev 0.9602

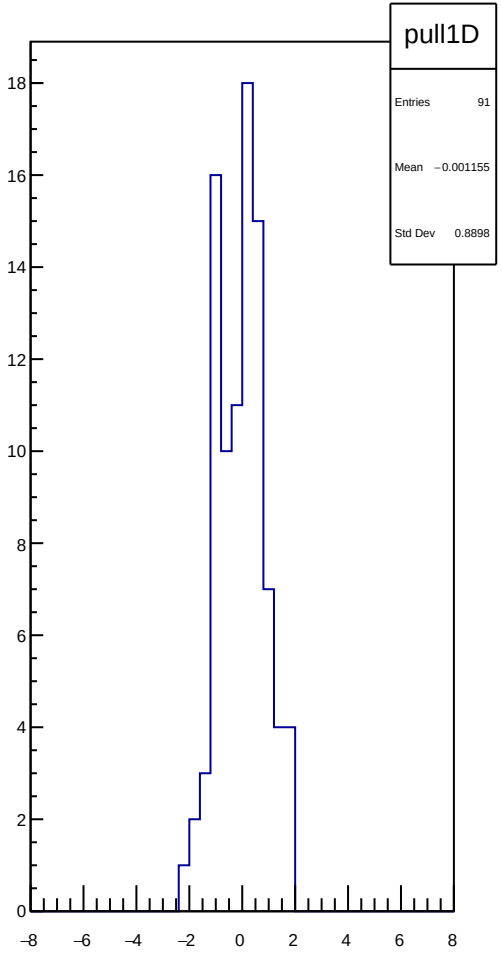

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1903 / 90
p0 54.88 ± 0.04175
62
60
58
56
54
52

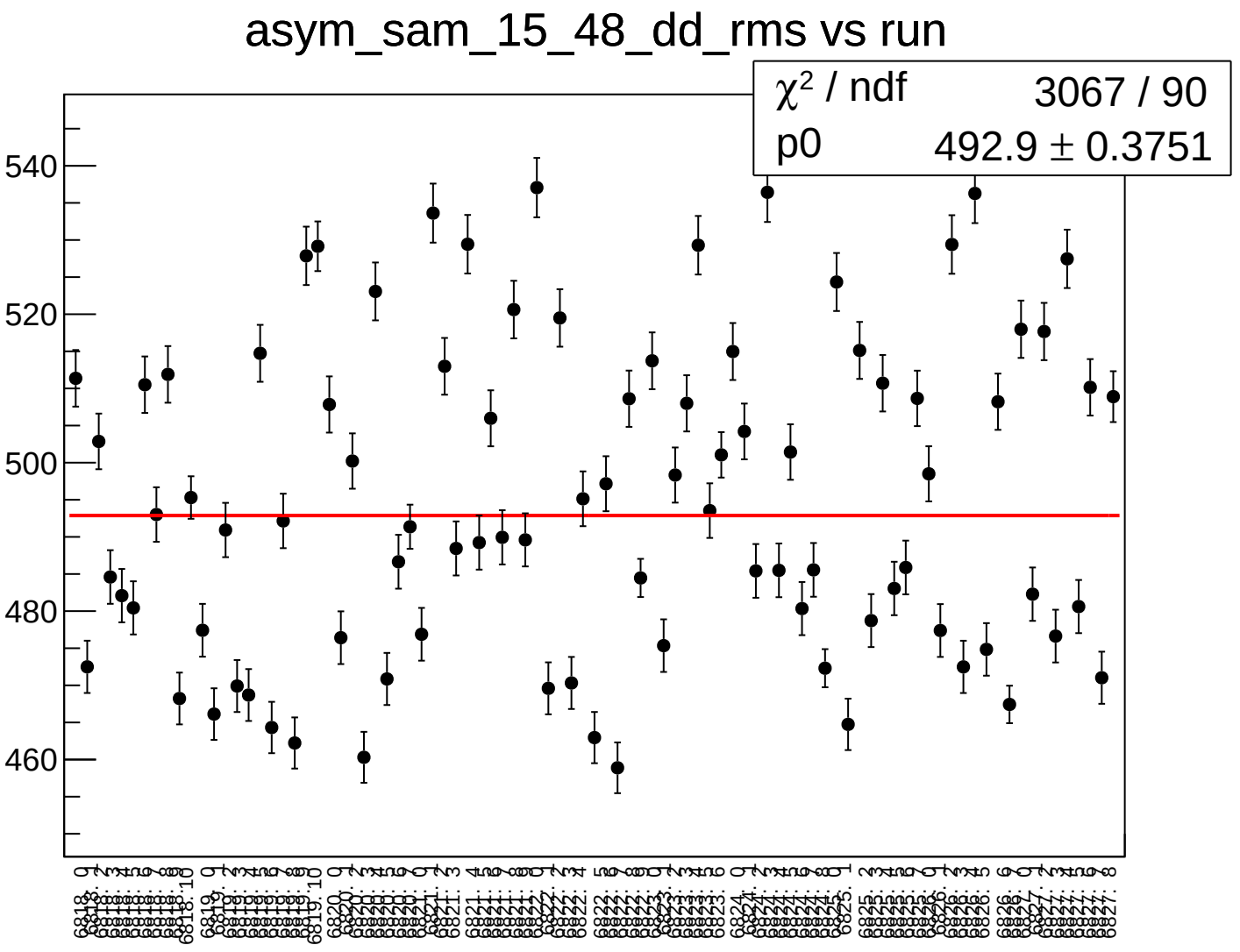

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 72.02 / 90
p0 509.7 ± 526.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean −746.3
Std Dev 775.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

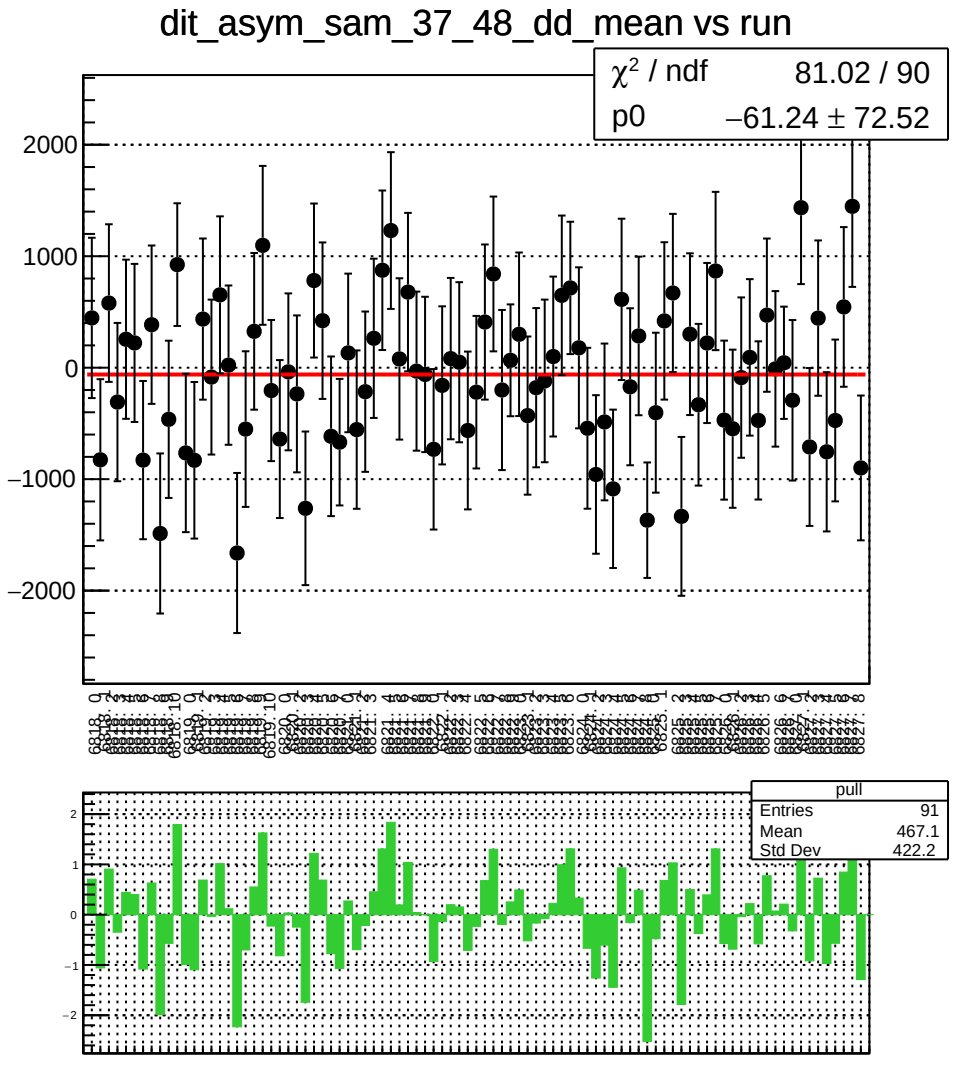

pull1D
Entries 91
Mean 0.002318
Std Dev 0.8896
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

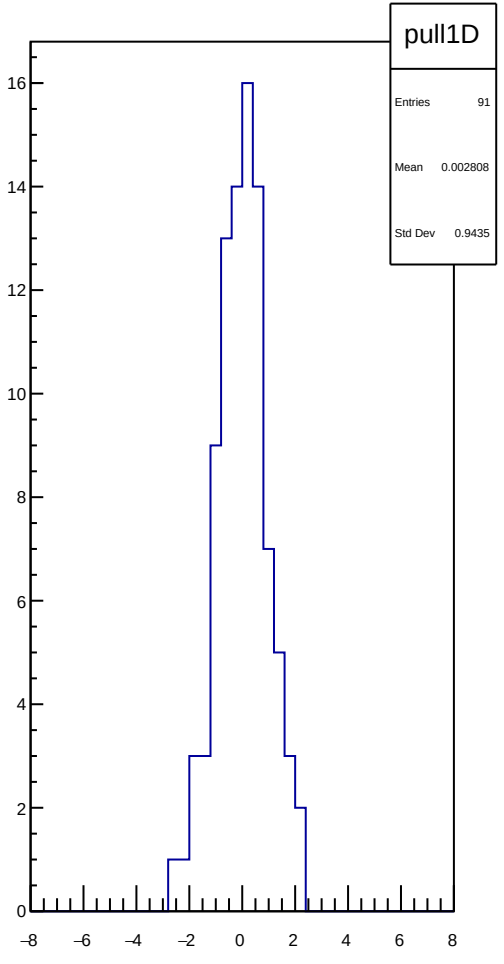

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1996 / 90
p0 489.5 ± 0.3724
530
520
510
500
490
480
470
460
450

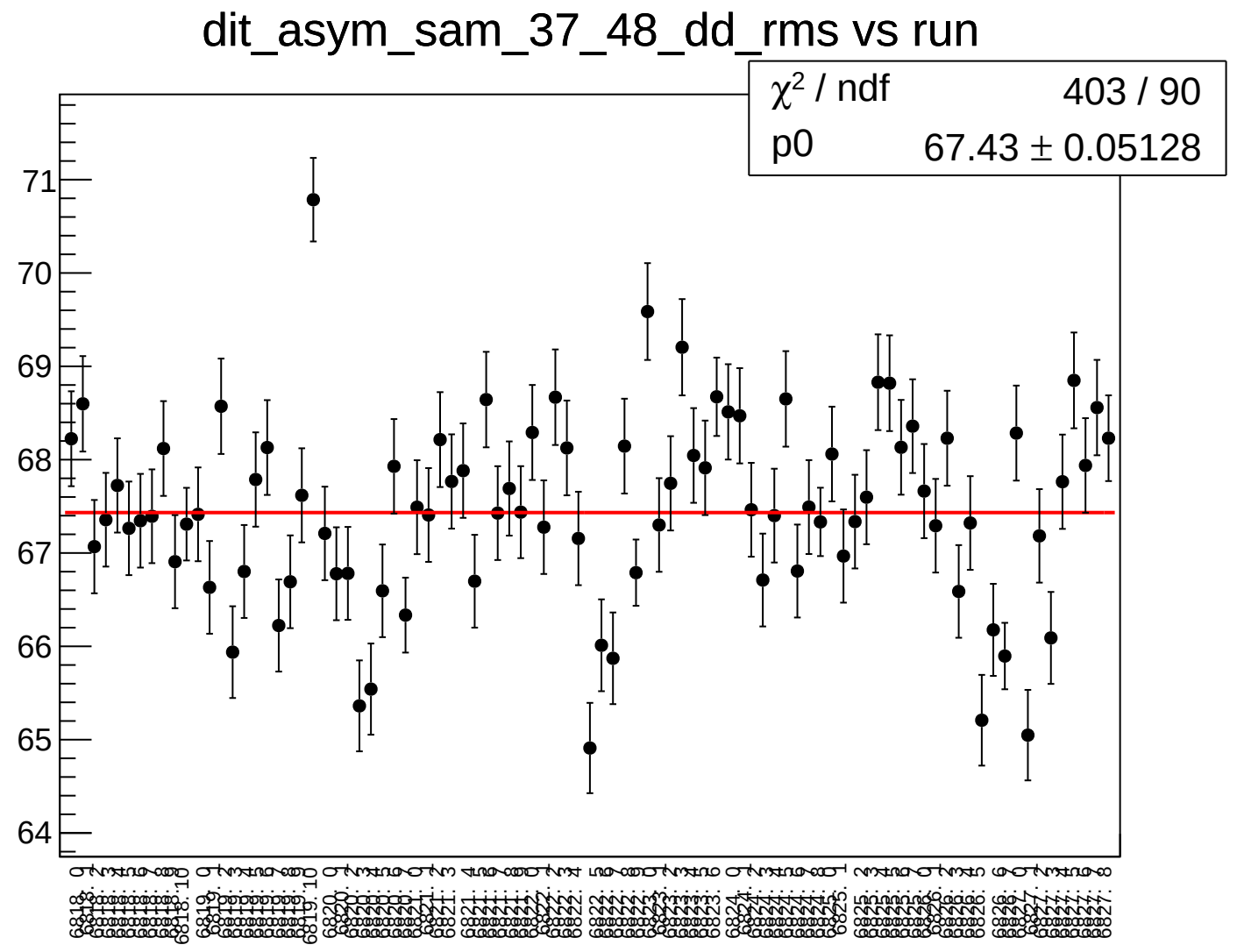

asym_sam_15_48_dd_mean vs run
χ² / ndf 72.05 / 90
p0 −479.6 ± 530.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean −1900
Std Dev 1933
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

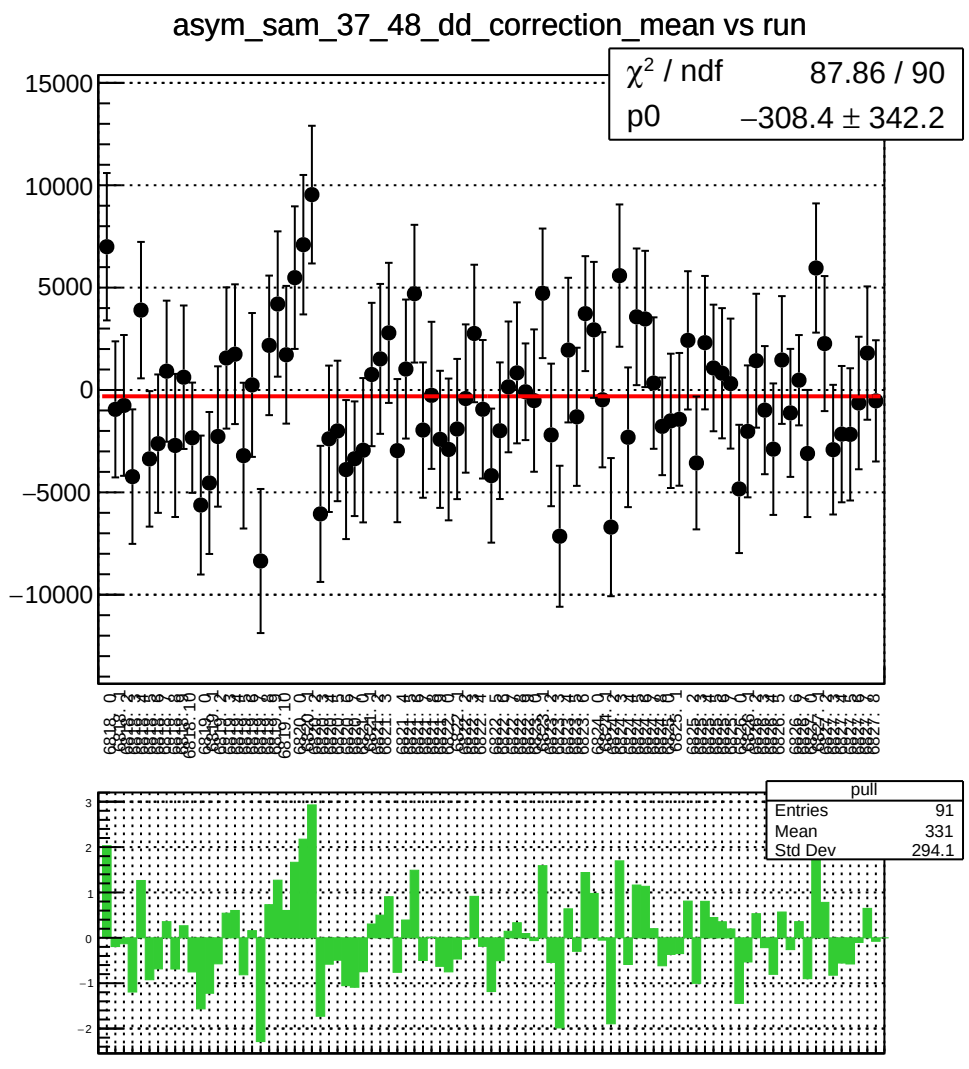

pull1D
Entries 91
Mean −0.001155
Std Dev 0.8898
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

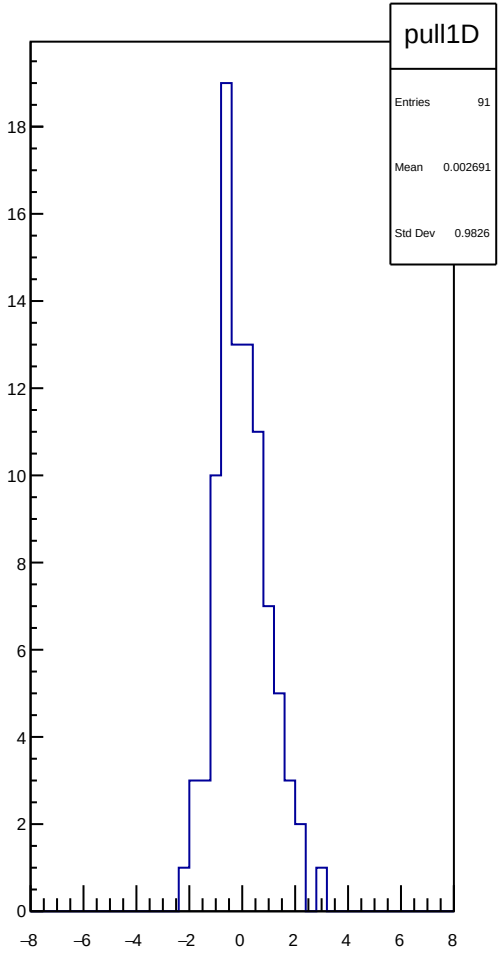

asym_sam_15_48_dd_rms vs run
χ² / ndf 3067 / 90
p0 492.9 ± 0.3751
540
520
500
480
460

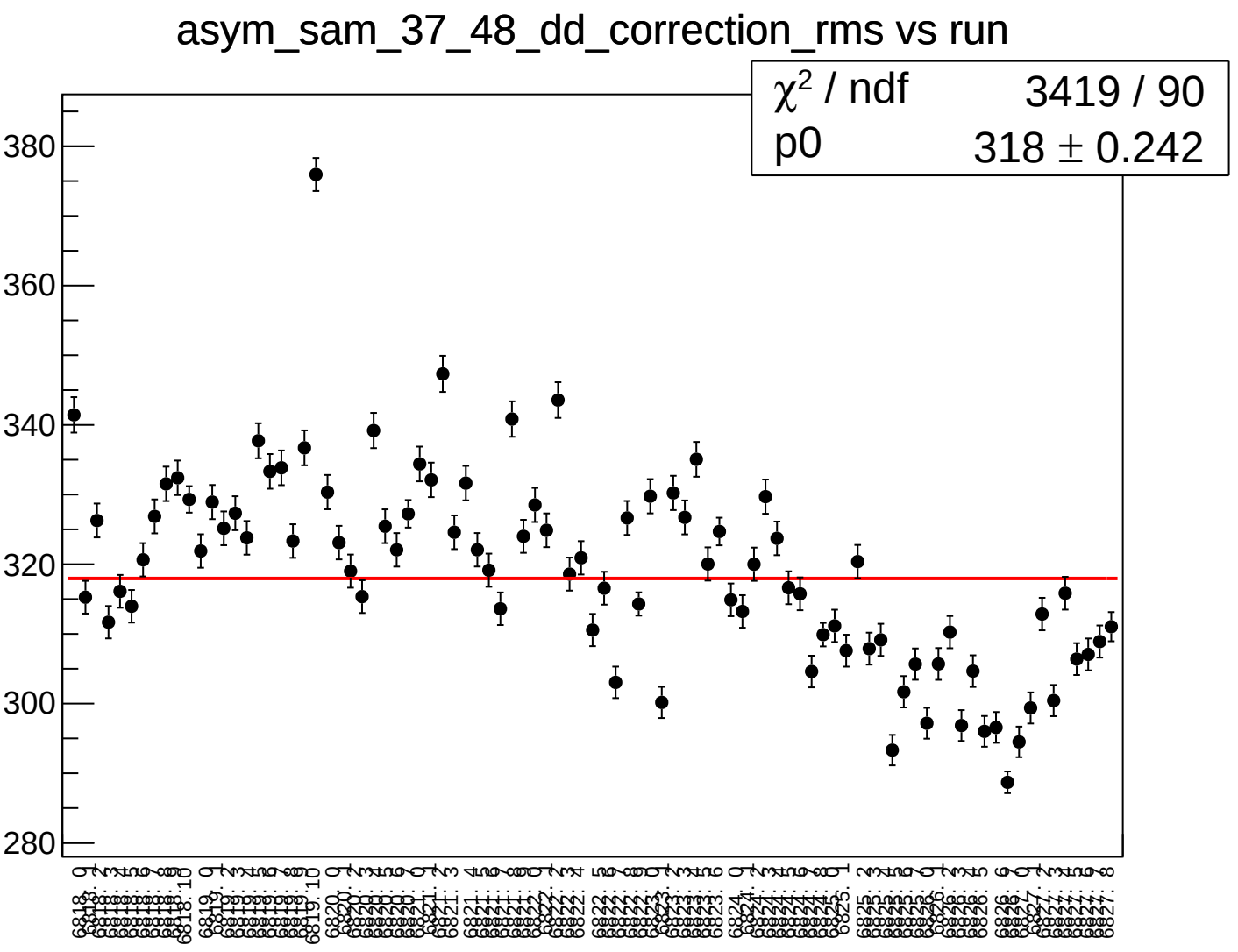

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 81.02 / 90
p0 −61.24 ± 72.52
2000
1000
0
−1000
−2000
pull
Entries 91
Mean 467.1
Std Dev 422.2
2
1
0
−1
−2

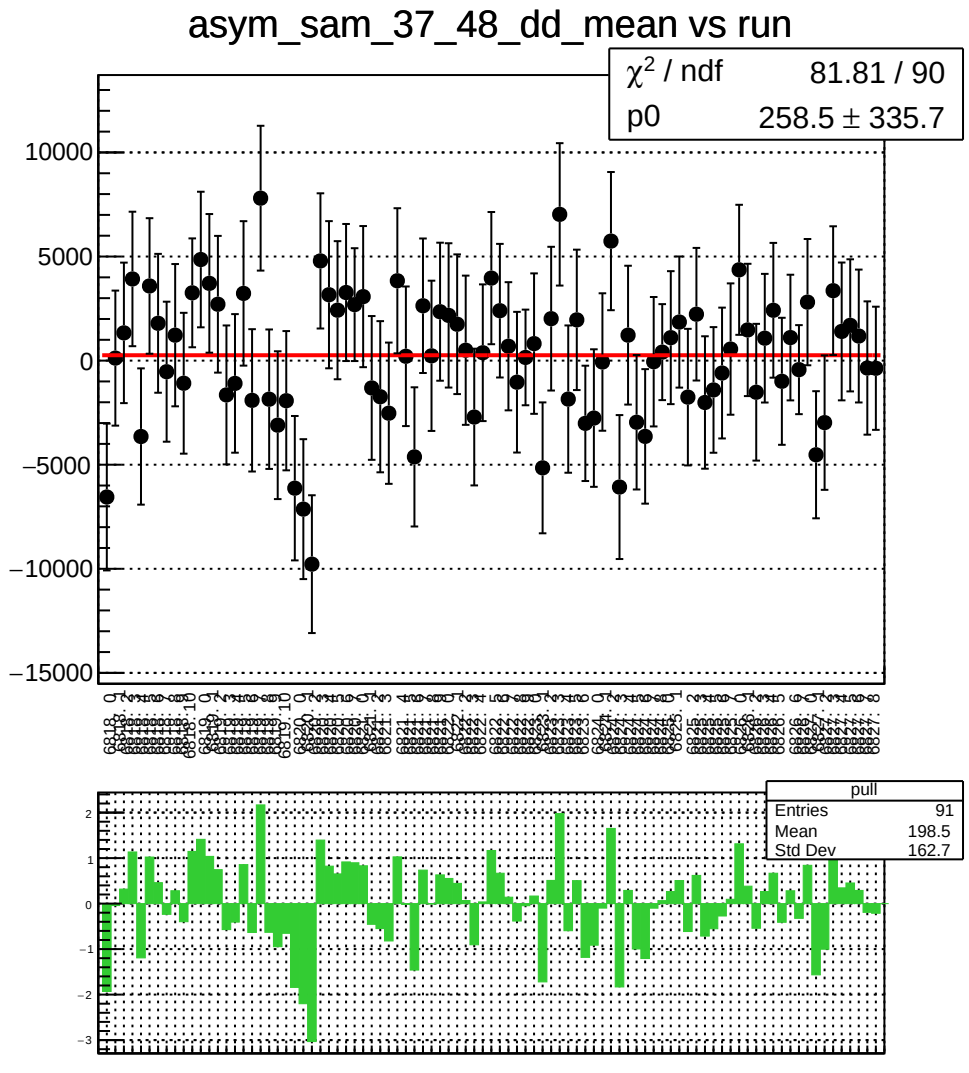

pull1D
Entries 91
Mean 0.002808
Std Dev 0.9435
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

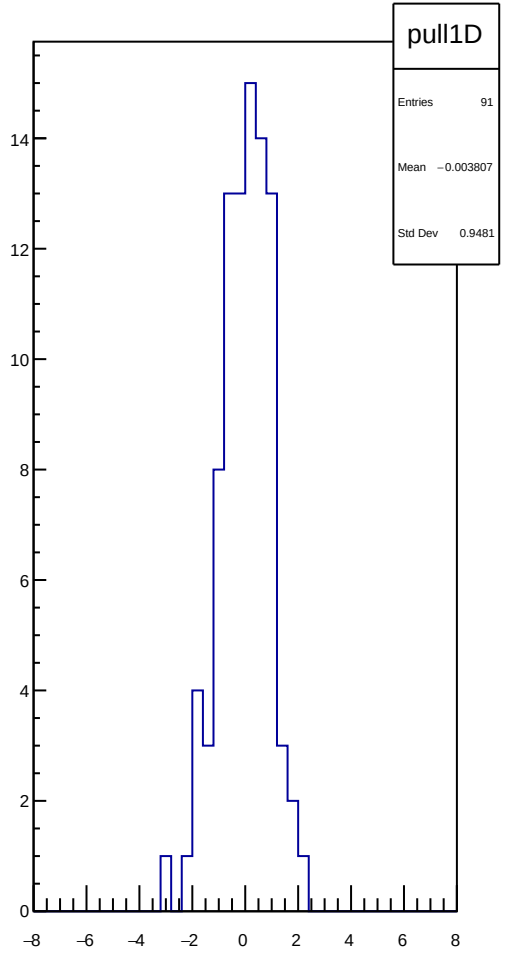

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 403 / 90
p0 67.43 ± 0.05128
71
70
69
68
67
66
65
64

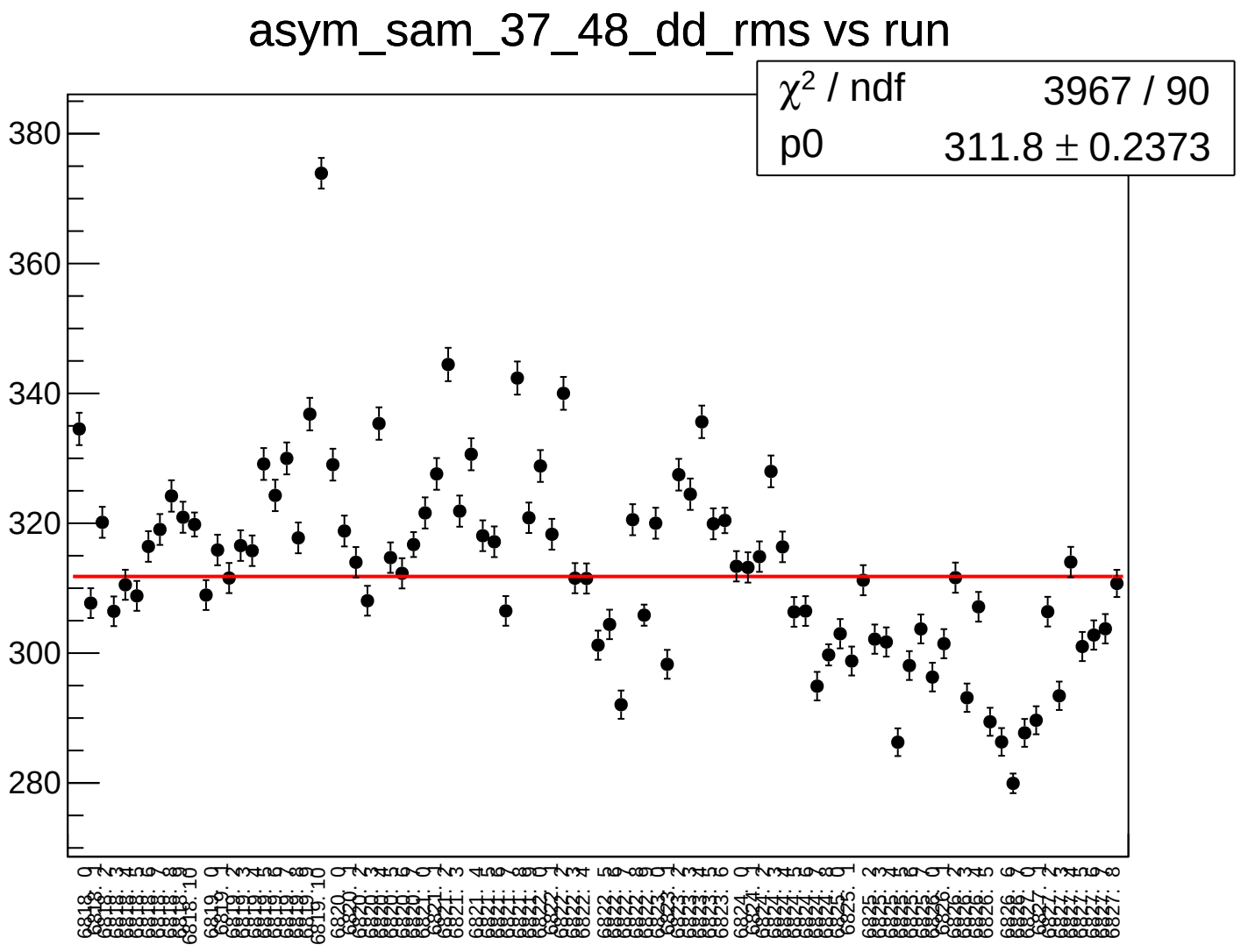

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 87.86 / 90
p0 −308.4 ± 342.2
15000
10000
5000
0
−5000
−10000
pull
Entries 91
Mean 331
Std Dev 294.1
3
2
1
0
−1
−2

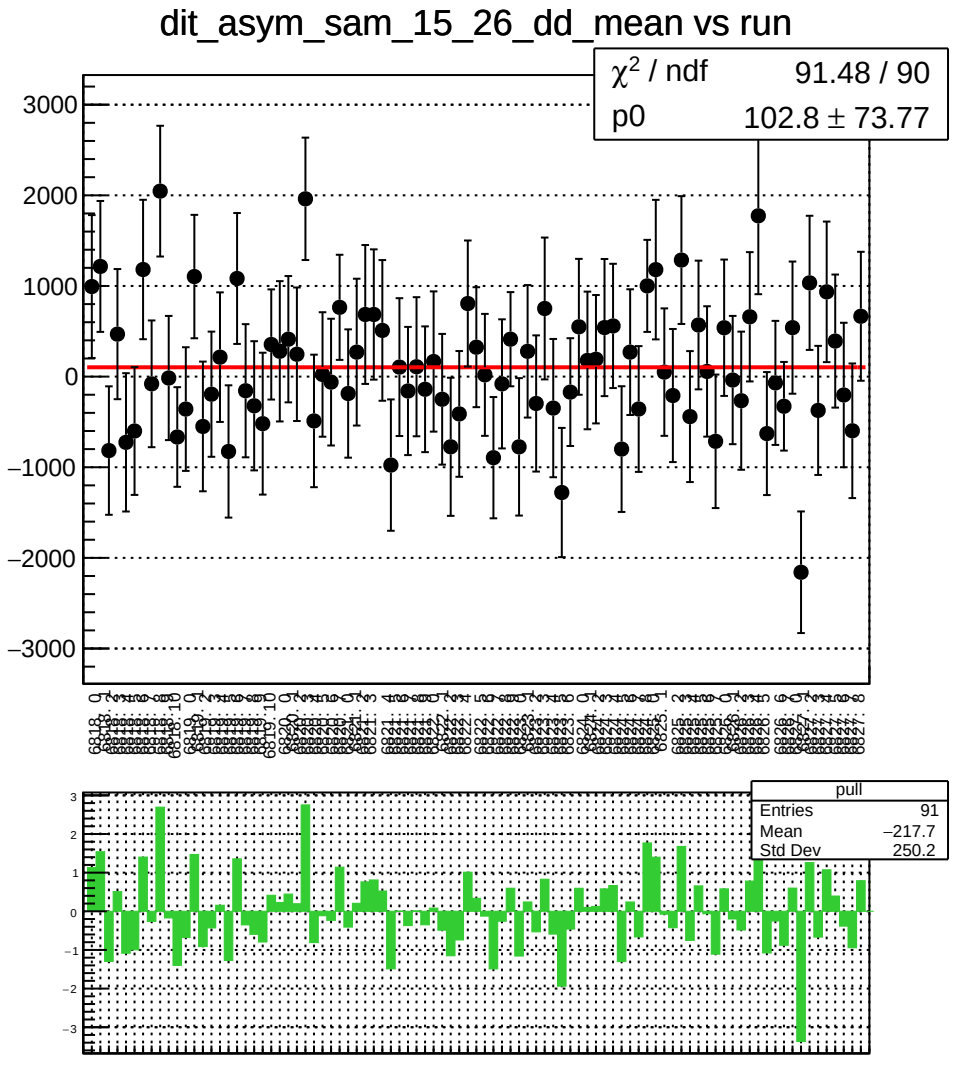

pull1D
Entries 91
Mean 0.002691
Std Dev 0.9826
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

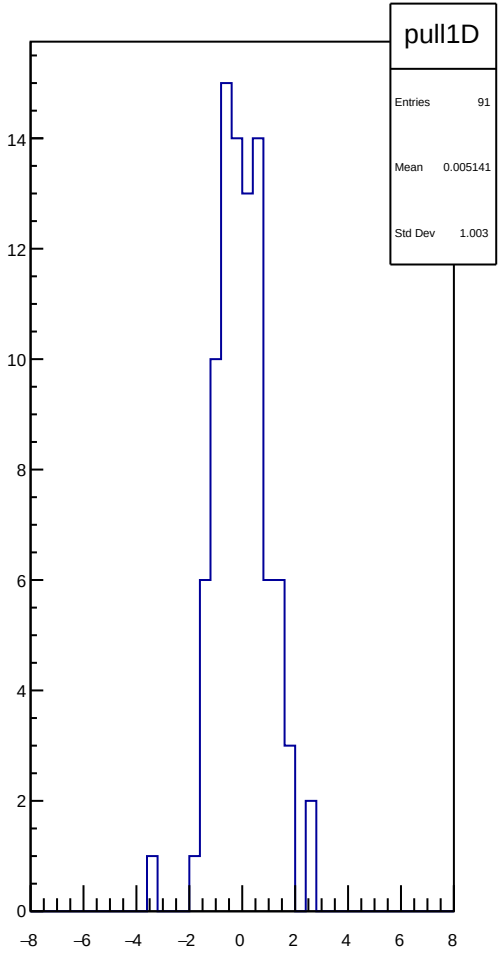

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3419 / 90
p0 318 ± 0.242
380
360
340
320
300
280

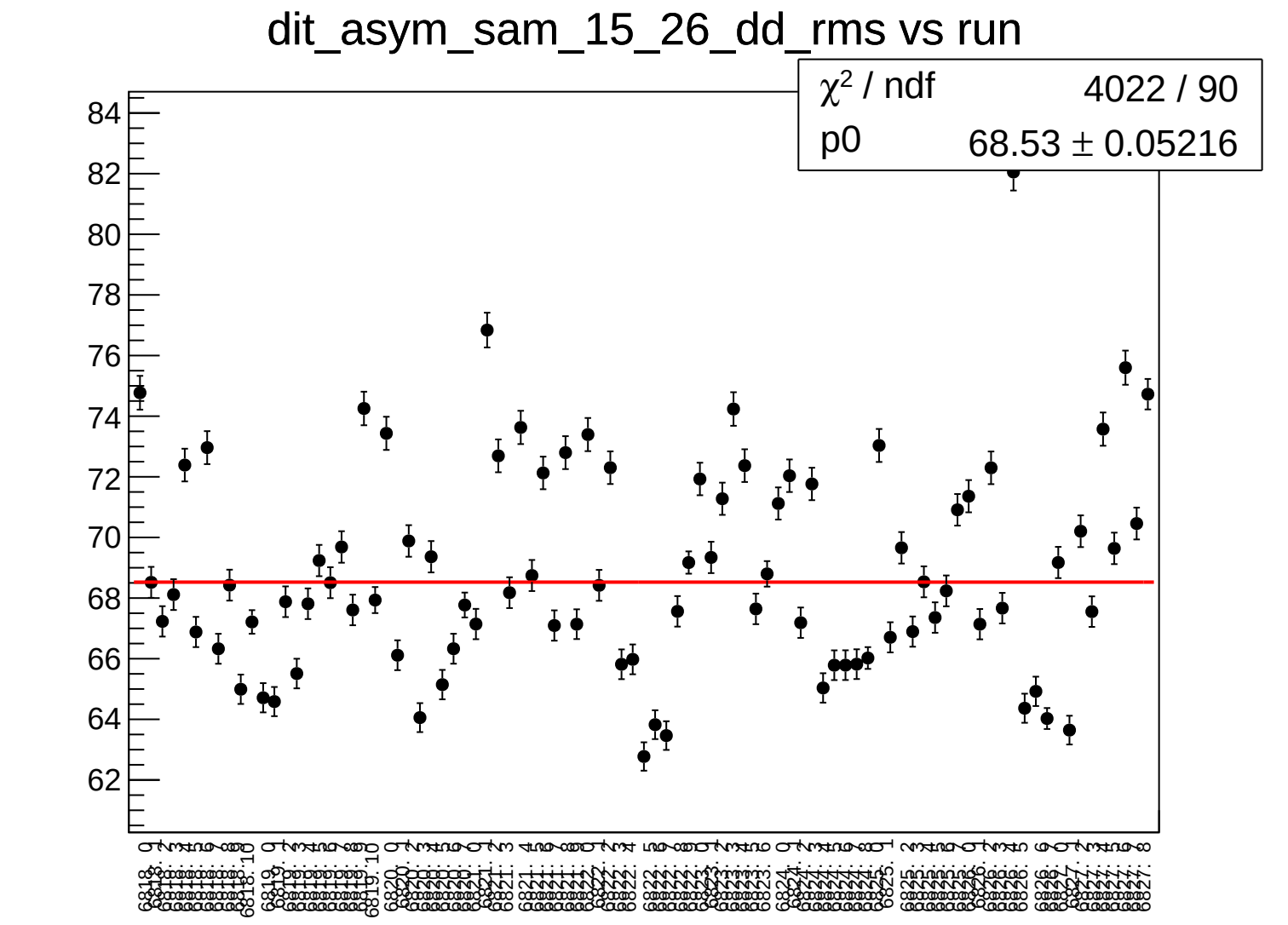

asym_sam_37_48_dd_mean vs run
χ² / ndf 81.81 / 90
p0 258.5 ± 335.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean 198.5
Std Dev 162.7
2
1
0
−1
−2
−3

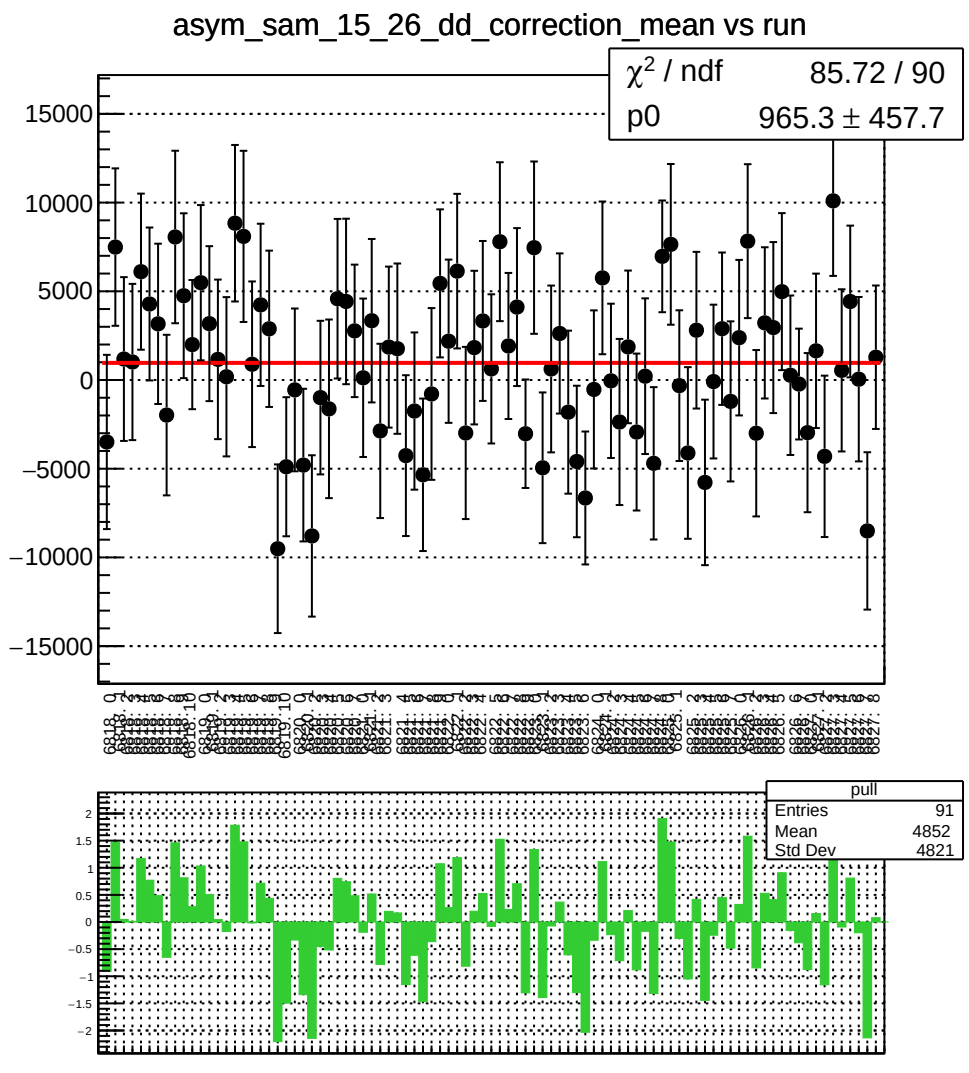

pull1D
Entries 91
Mean −0.003807
Std Dev 0.9481
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

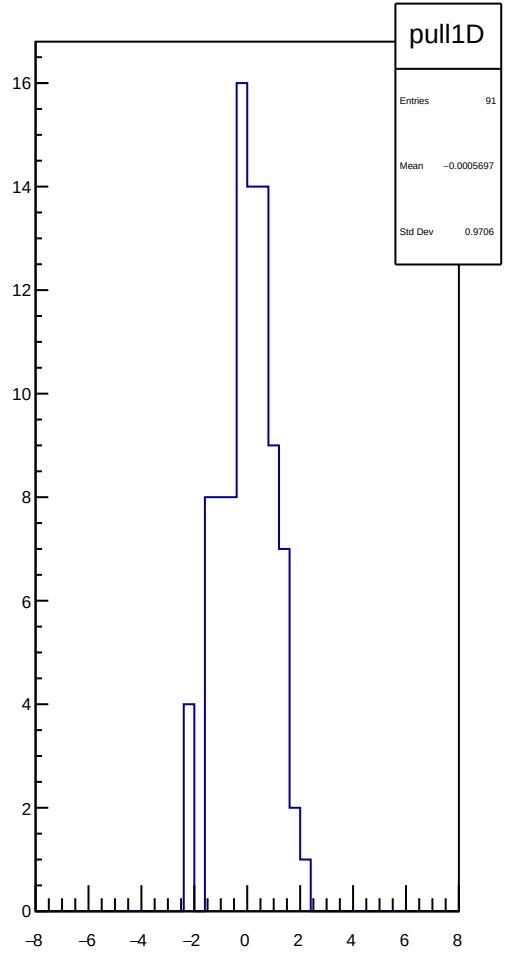

asym_sam_37_48_dd_rms vs run
χ² / ndf 3967 / 90
p0 311.8 ± 0.2373
380
360
340
320
300
280

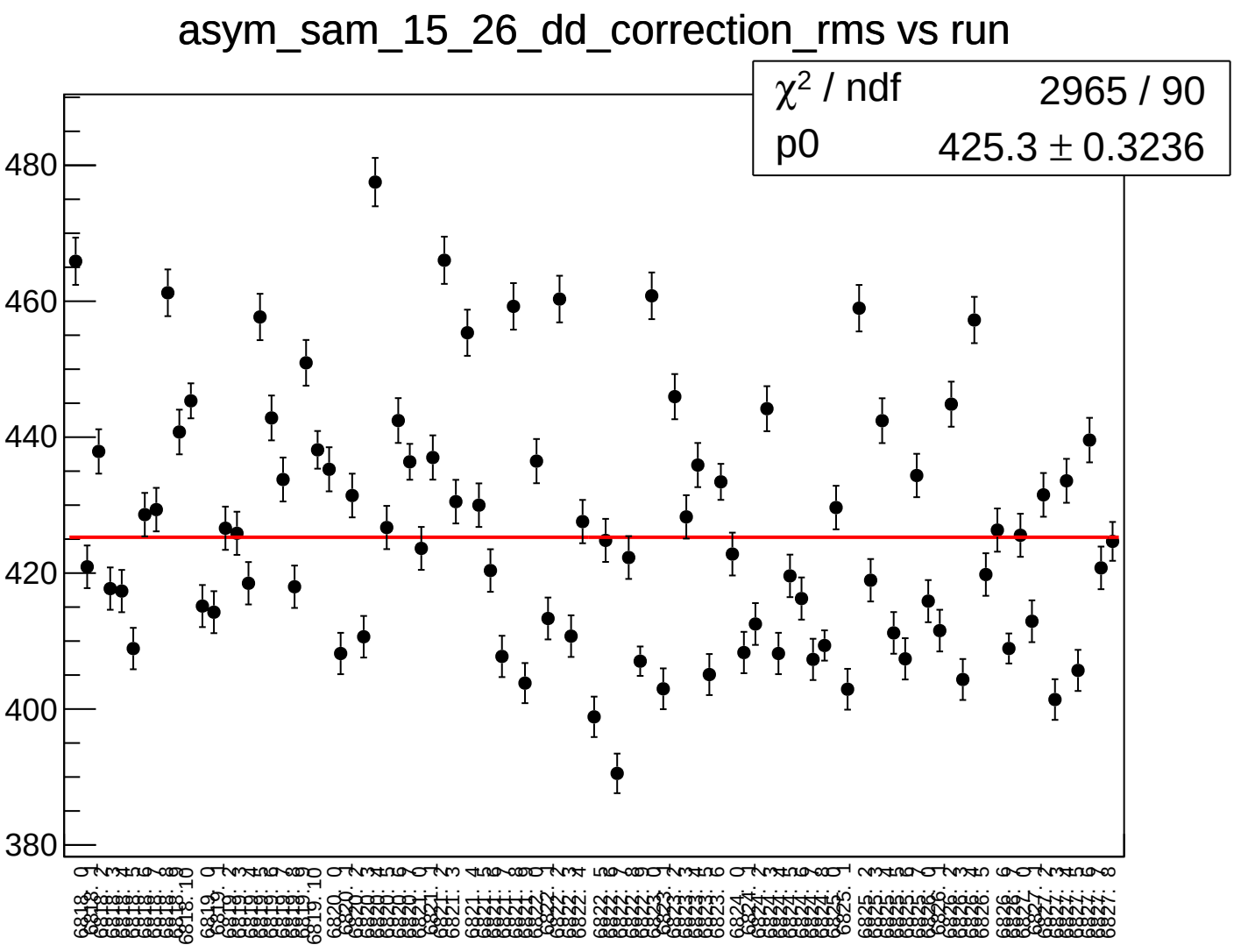

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 91.48 / 90
p0 102.8 ± 73.77
pull
Entries 91
Mean −217.7
Std Dev 250.2

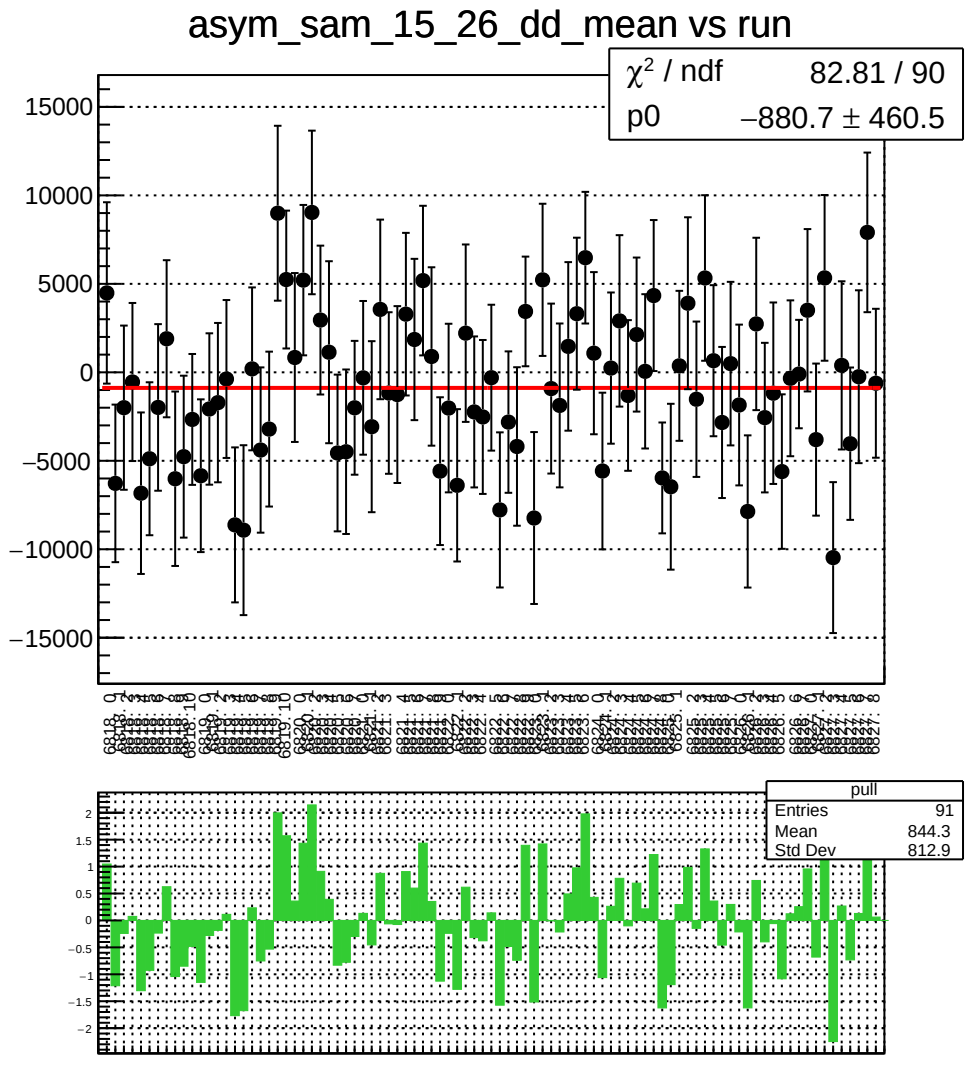

pull1D
Entries 91
Mean 0.005141
Std Dev 1.003

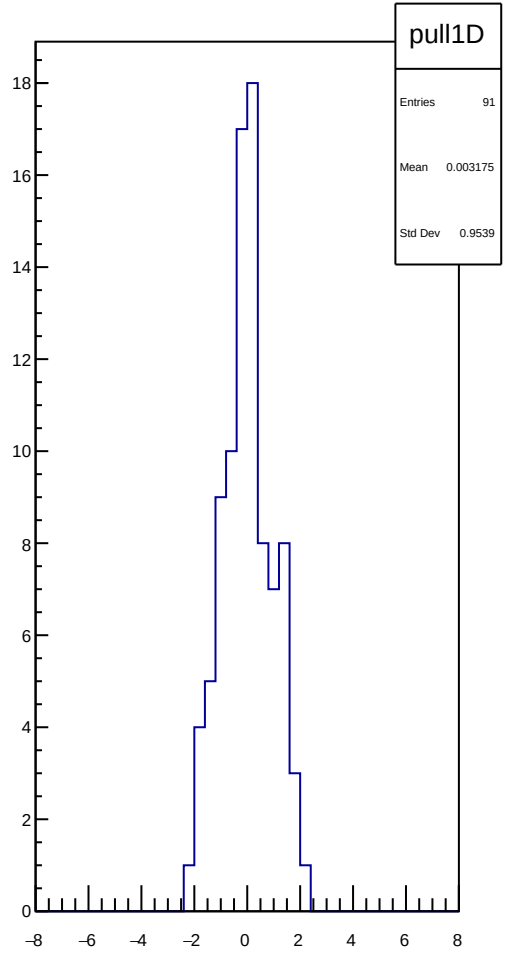

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4022 / 90
p0 68.53 ± 0.05216
84
82
80
78
76
74
72
70
68
66
64
62

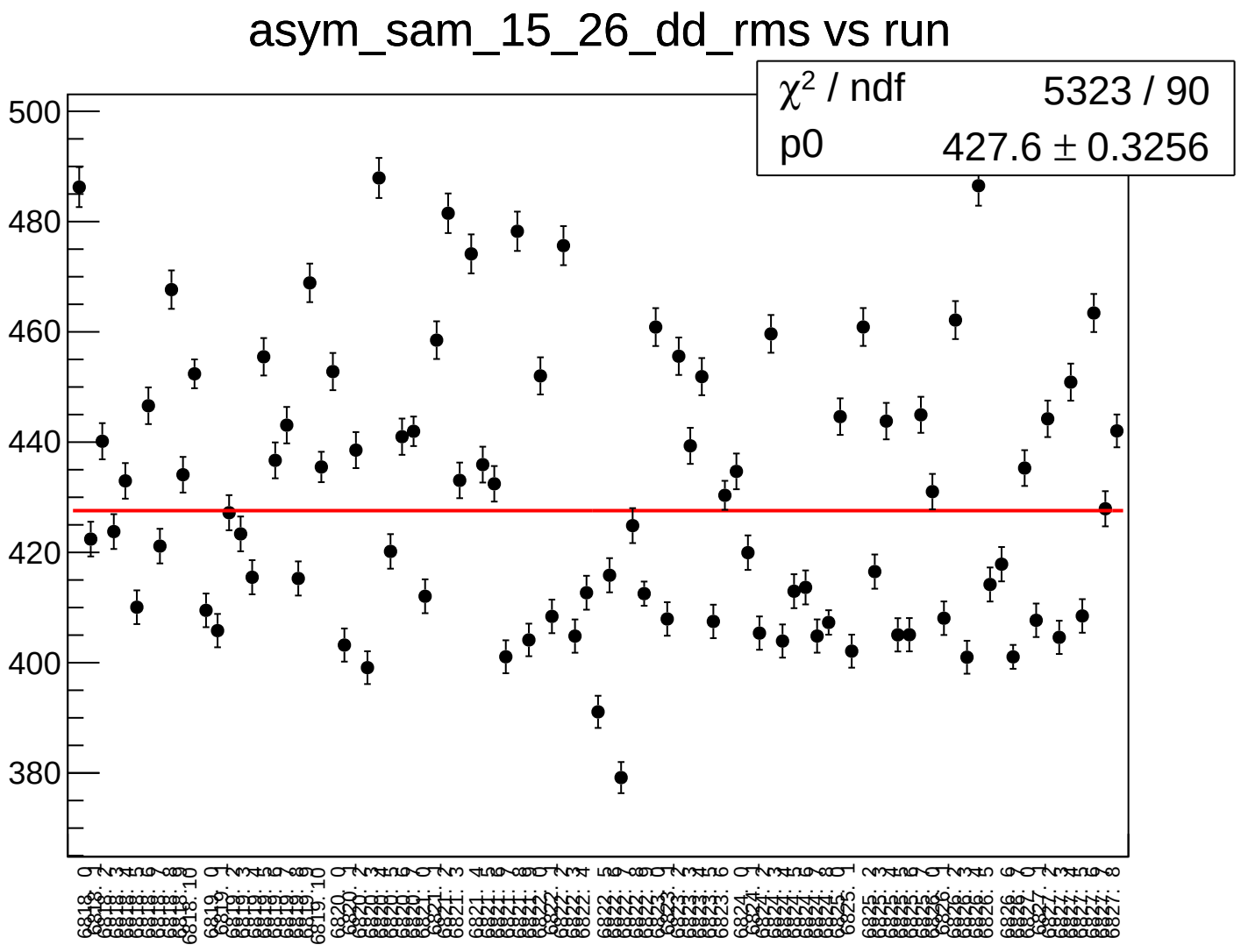

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 85.72 / 90
p0 965.3 ± 457.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean 4852
Std Dev 4821
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

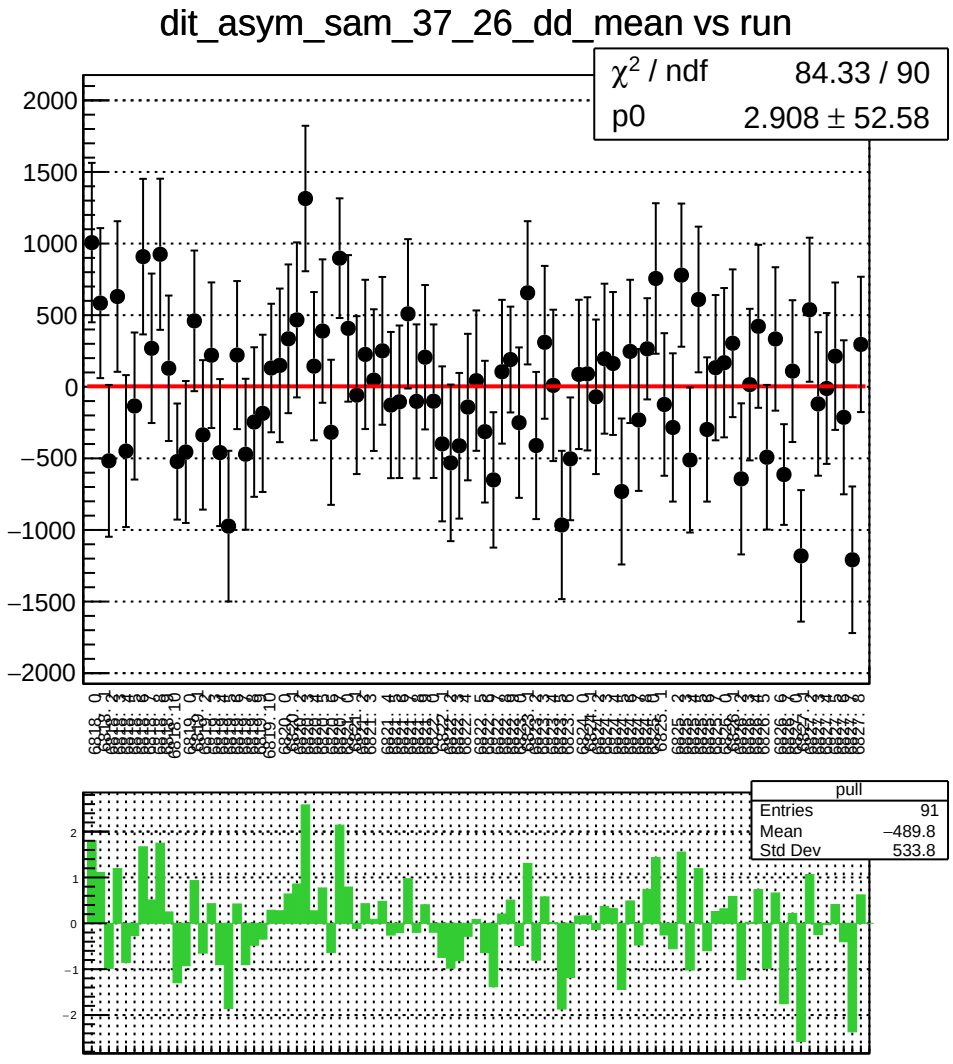

pull1D
Entries 91
Mean −0.0005697
Std Dev 0.9706
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

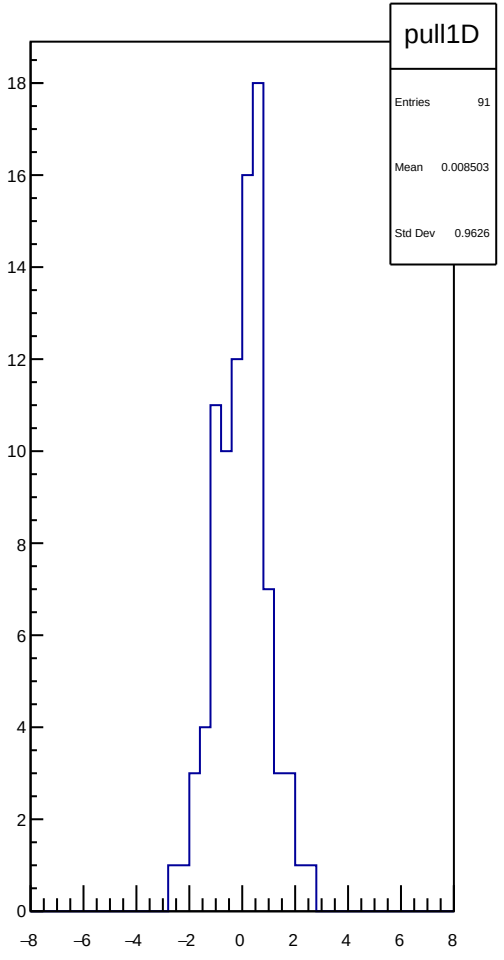

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 2965 / 90
p0 425.3 ± 0.3236
480
460
440
420
400
380

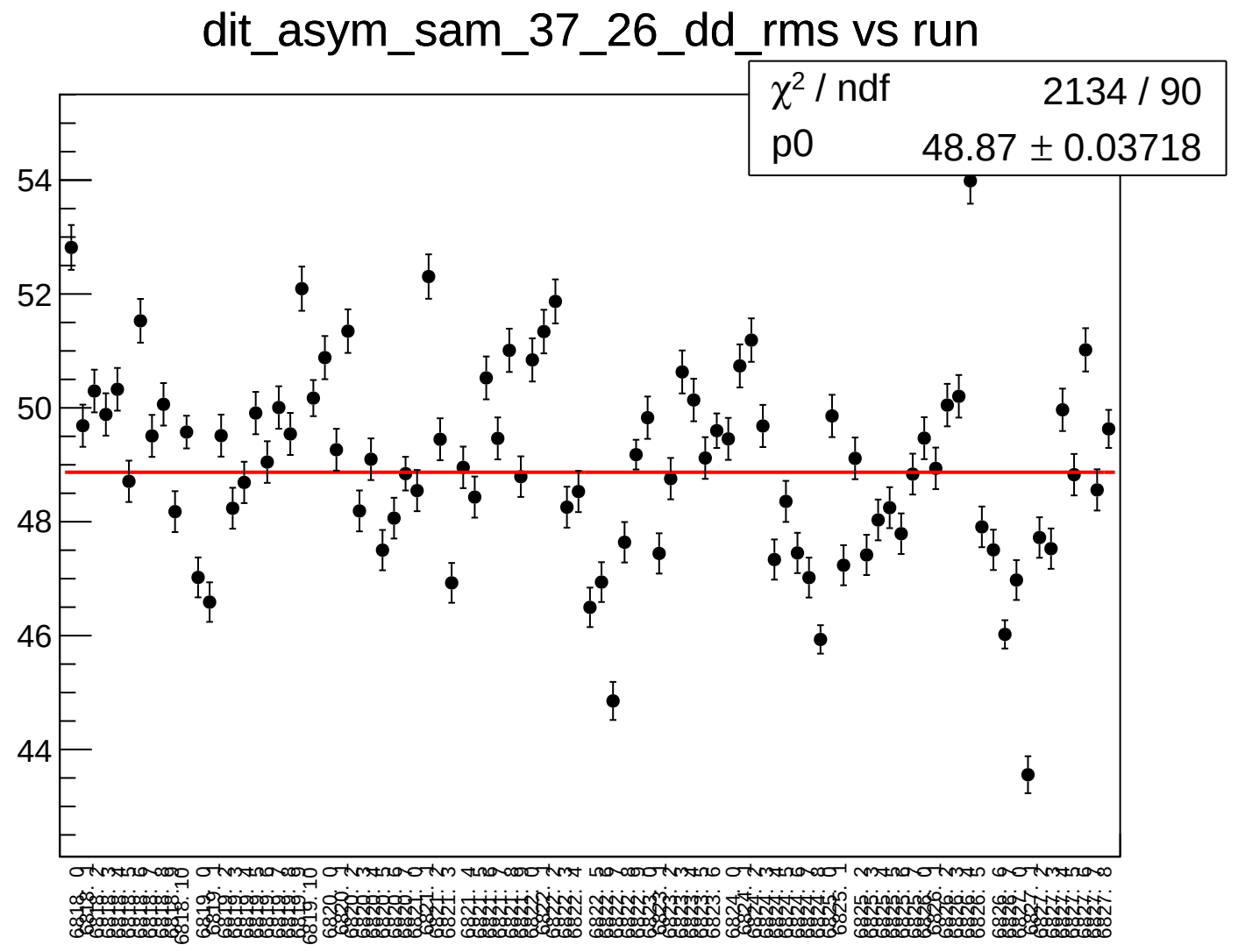

asym_sam_15_26_dd_mean vs run
χ² / ndf 82.81 / 90
p0 −880.7 ± 460.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean 844.3
Std Dev 812.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

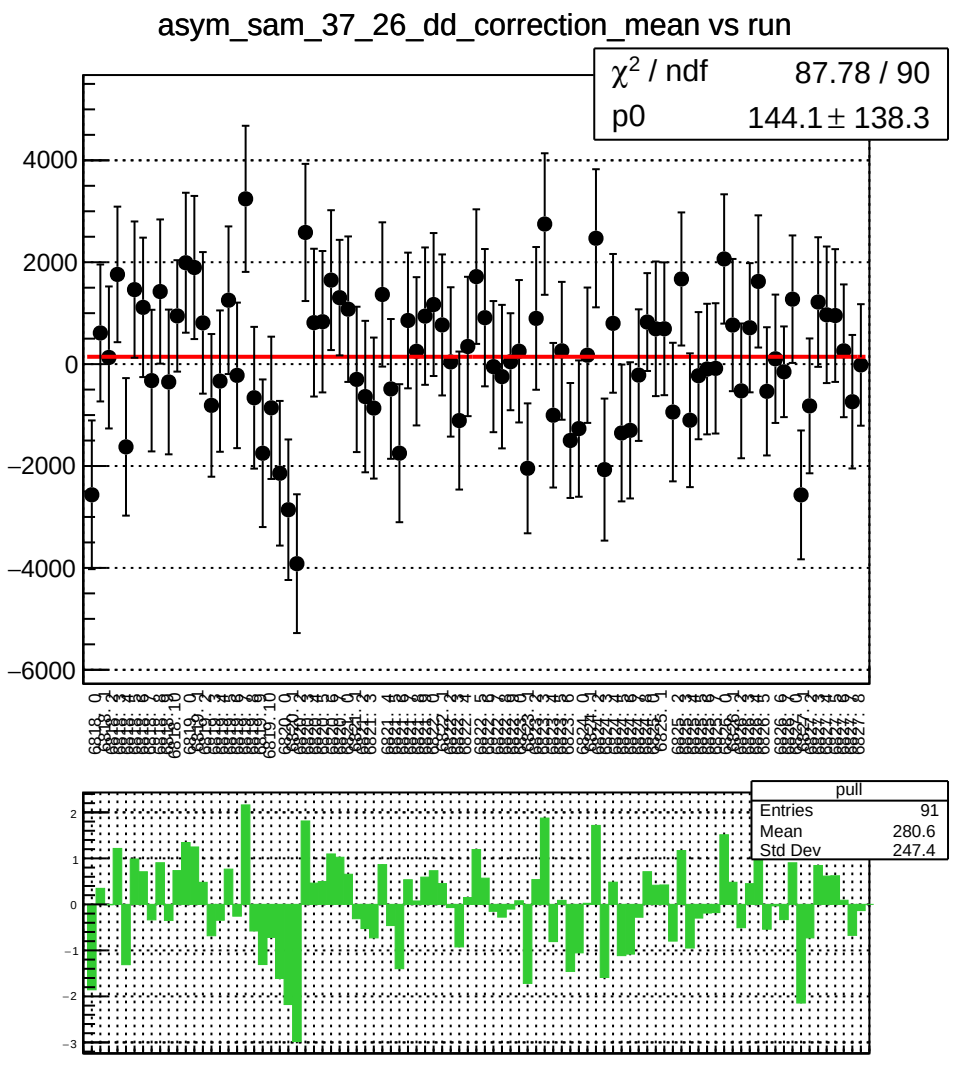

pull1D
Entries 91
Mean 0.003175
Std Dev 0.9539
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

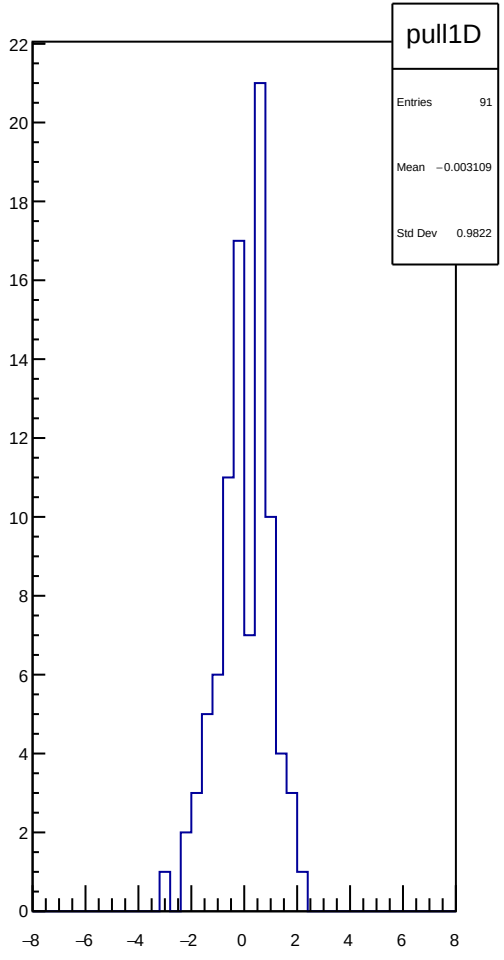

asym_sam_15_26_dd_rms vs run
χ² / ndf 5323 / 90
p0 427.6 ± 0.3256
500
480
460
440
420
400
380

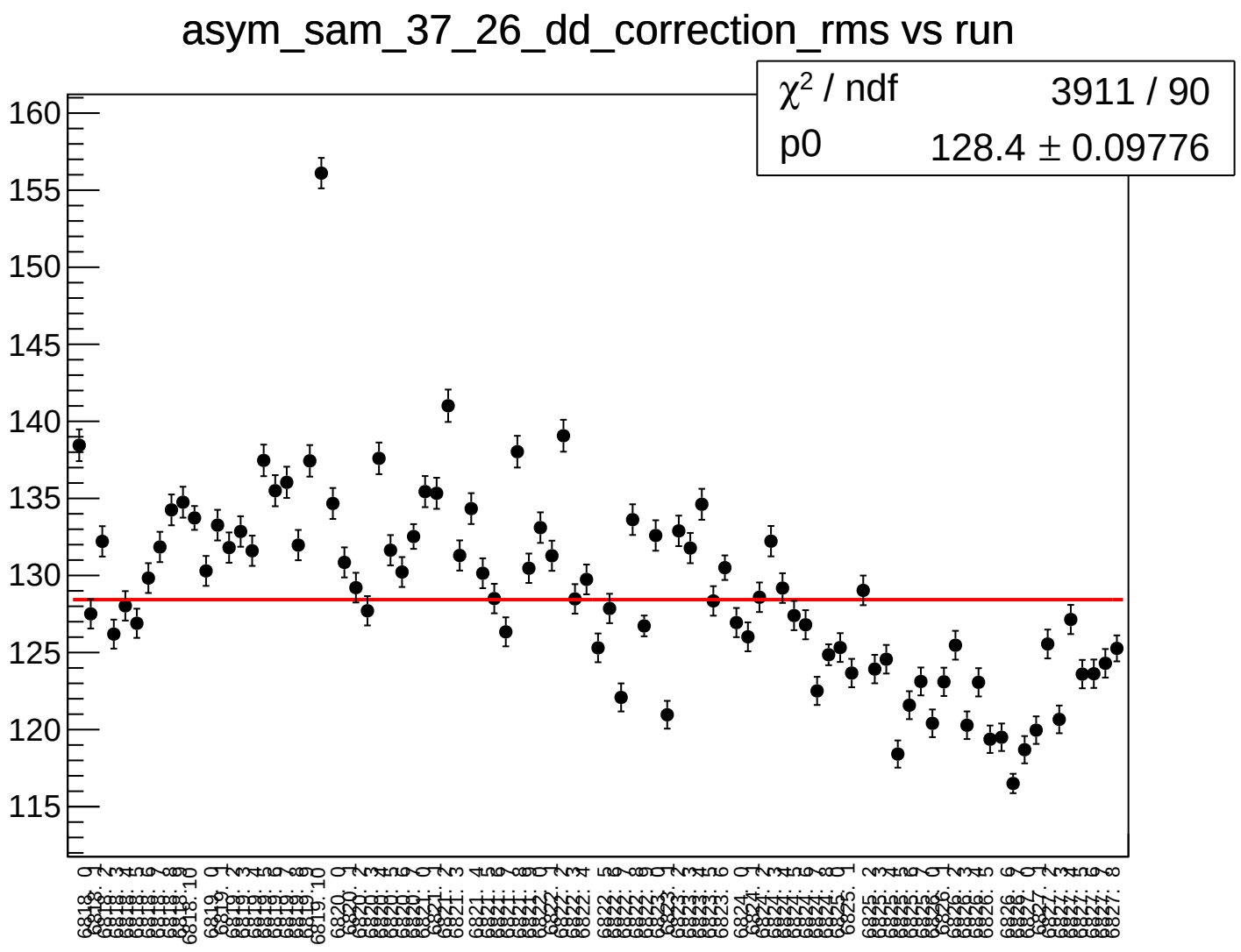

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 84.33 / 90
p0 2.908 ± 52.58
pull
Entries 91
Mean −489.8
Std Dev 533.8

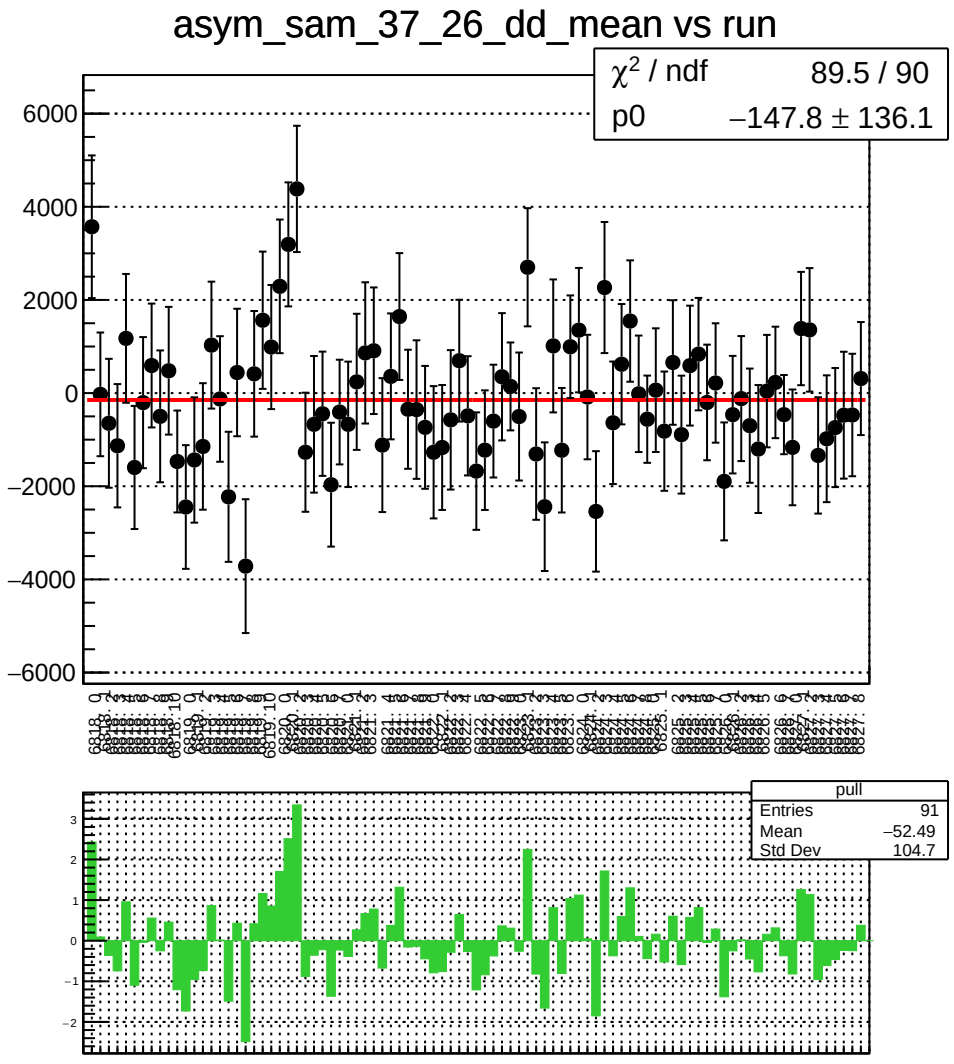

pull1D
Entries 91
Mean 0.008503
Std Dev 0.9626

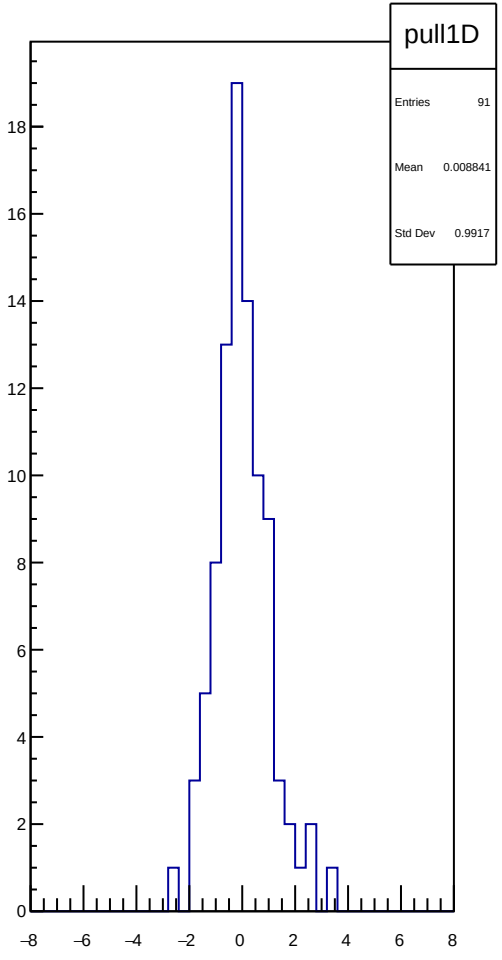

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2134 / 90
p0 48.87 ± 0.03718
54
52
50
48
46
44

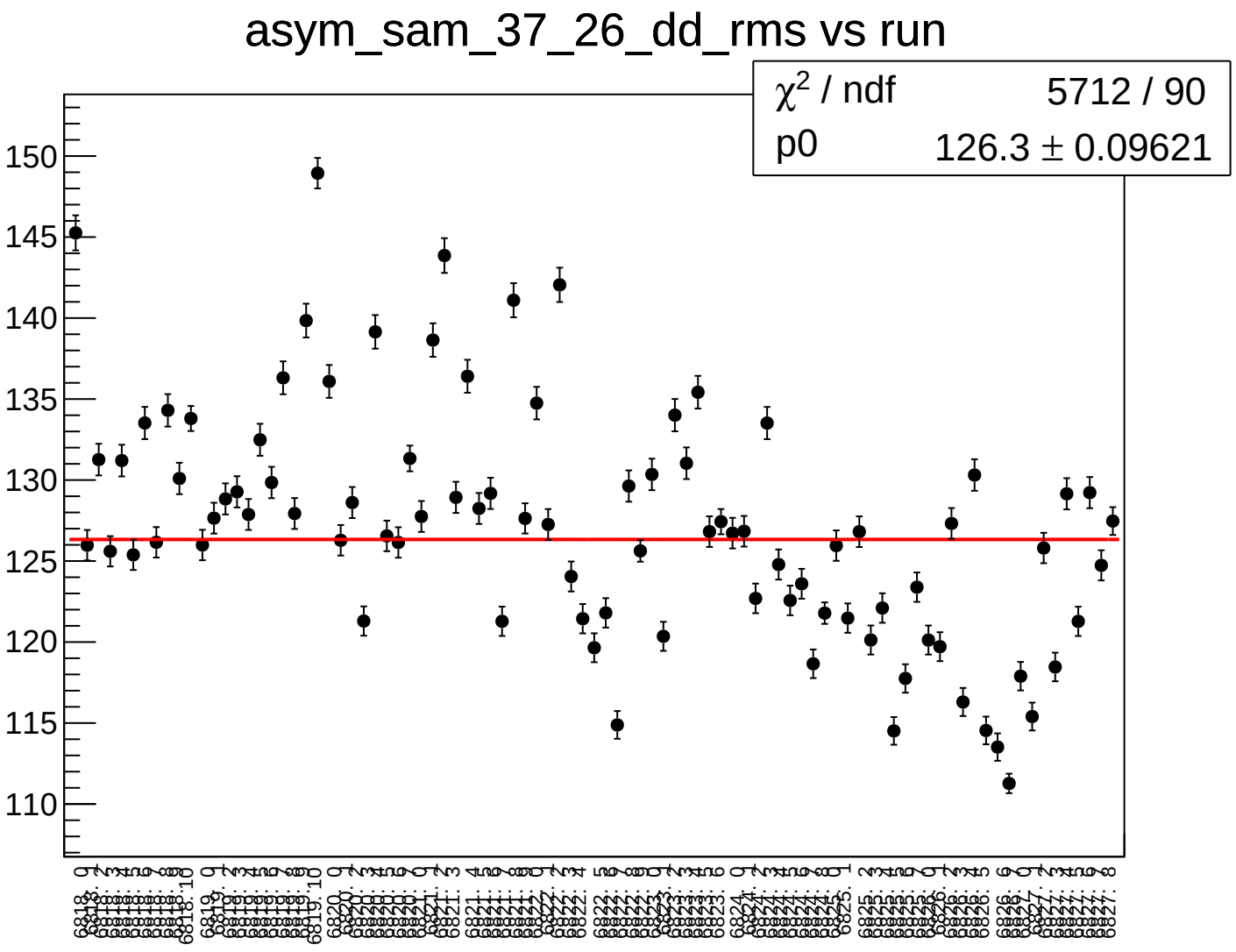

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 87.78 / 90
p0 144.1 ± 138.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 91
Mean 280.6
Std Dev 247.4
2
1
0
−1
−2
−3

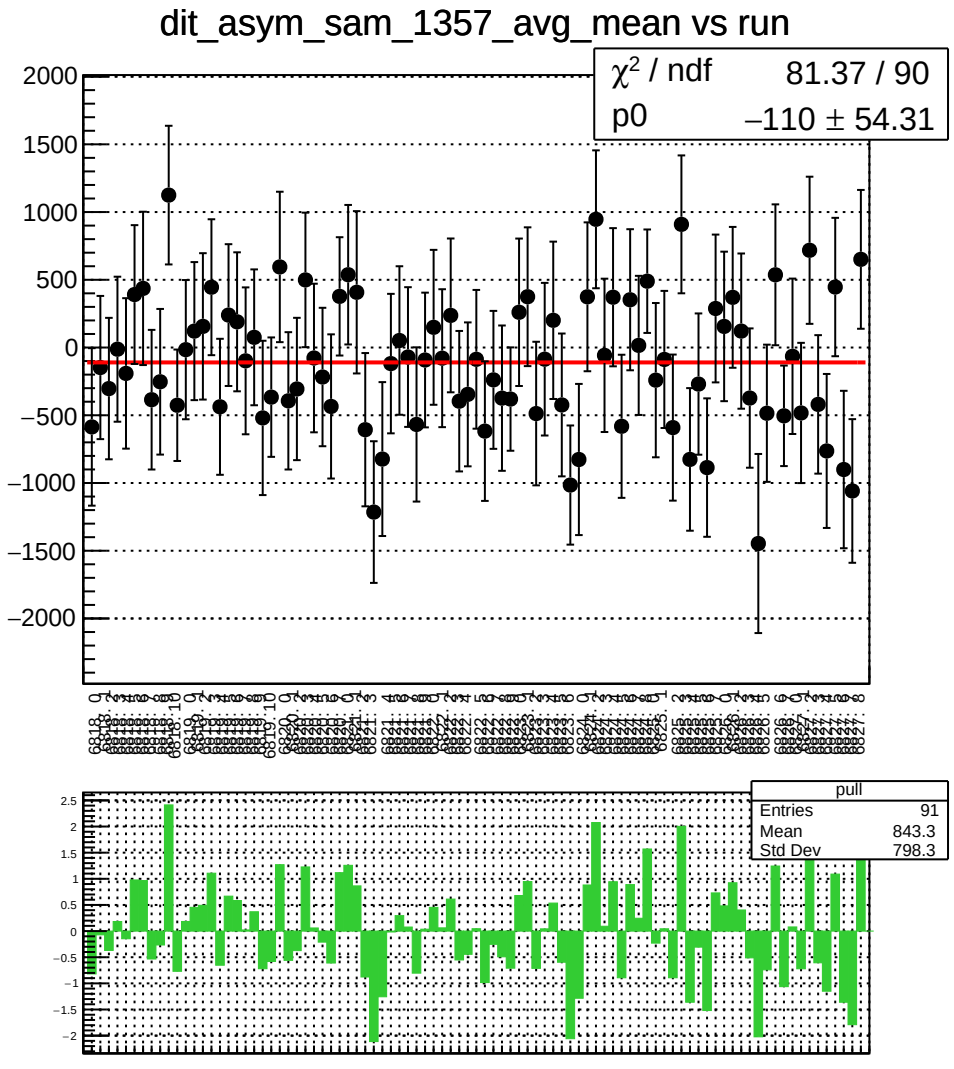

pull1D
Entries 91
Mean −0.003109
Std Dev 0.9822
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

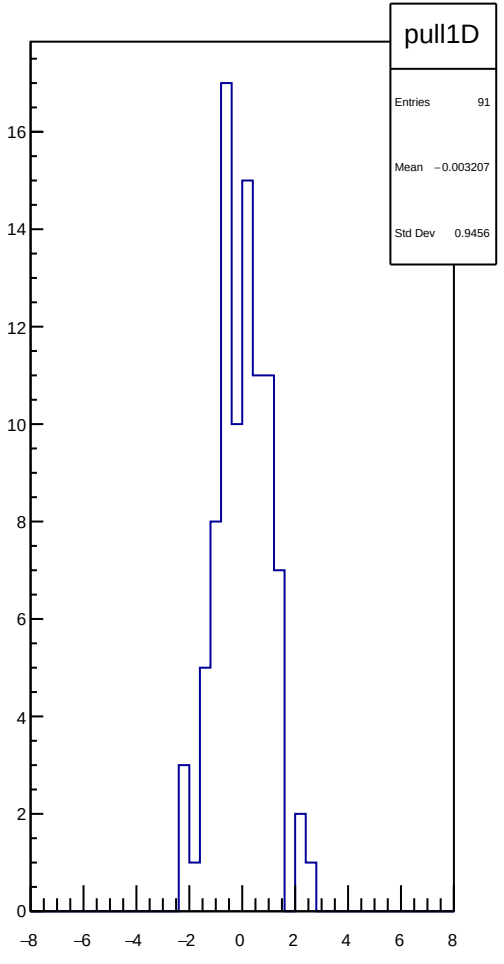

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3911 / 90
p0 128.4 ± 0.09776
160
155
150
145
140
135
130
125
120
115

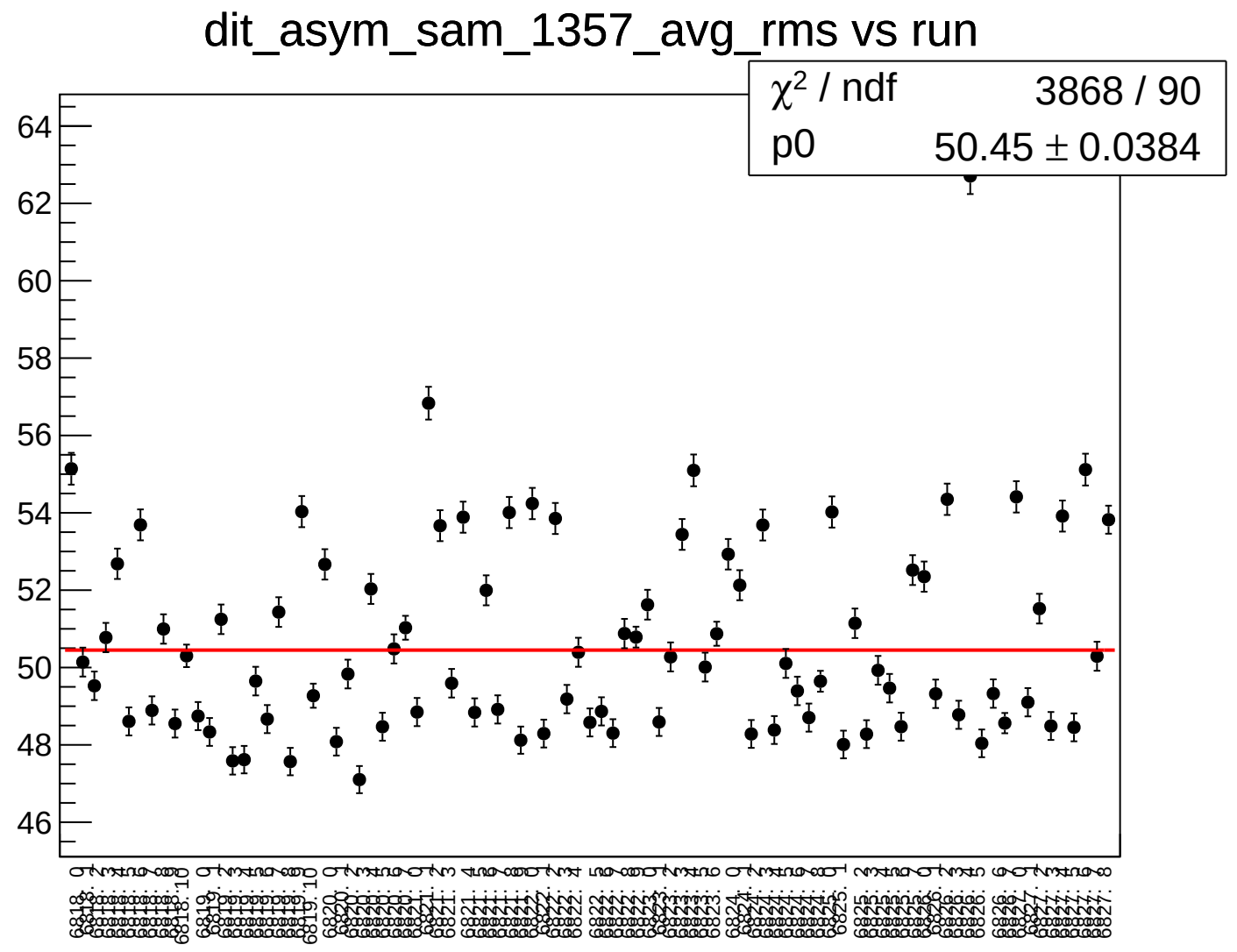

asym_sam_37_26_dd_mean vs run
χ² / ndf 89.5 / 90
p0 −147.8 ± 136.1
pull
Entries 91
Mean −52.49
Std Dev 104.7

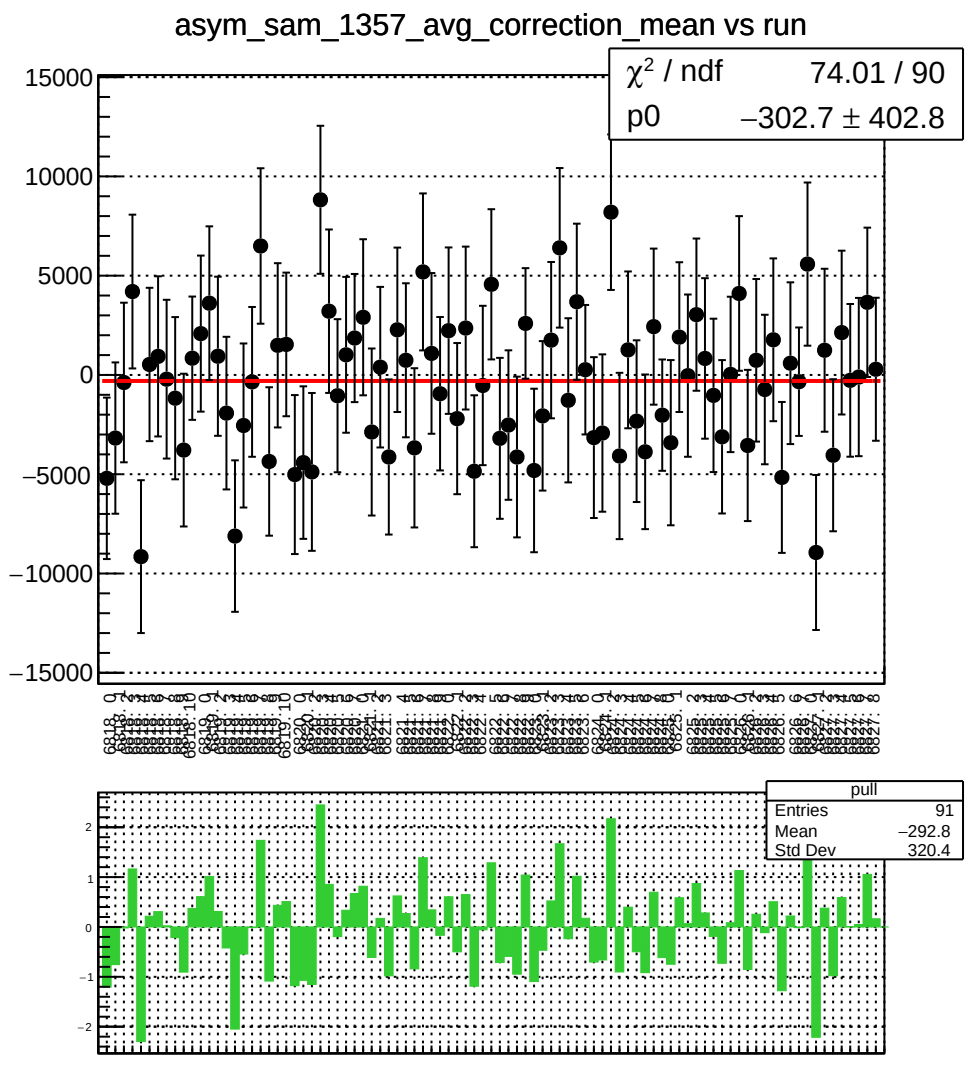

pull1D
Entries 91
Mean 0.008841
Std Dev 0.9917

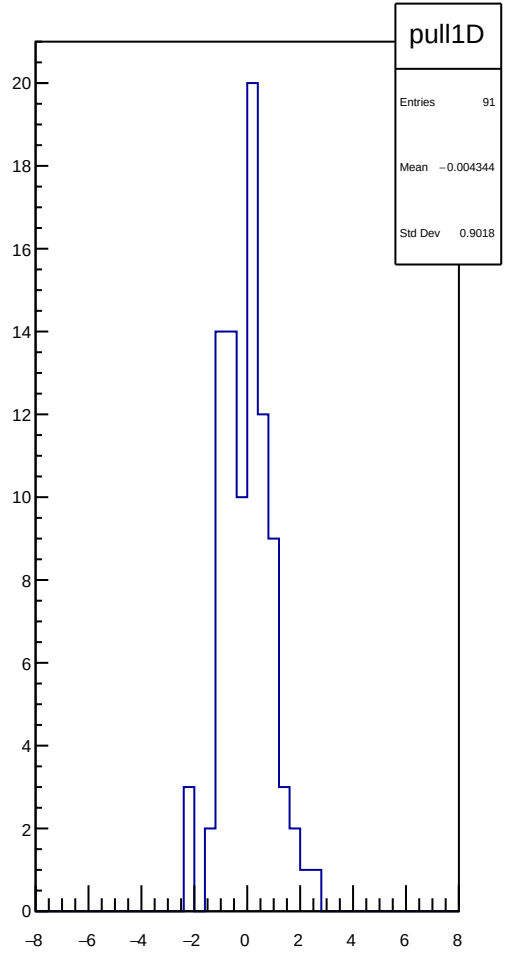

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5712 / 90
p0 126.3 ± 0.09621
150
145
140
135
130
125
120
115
110

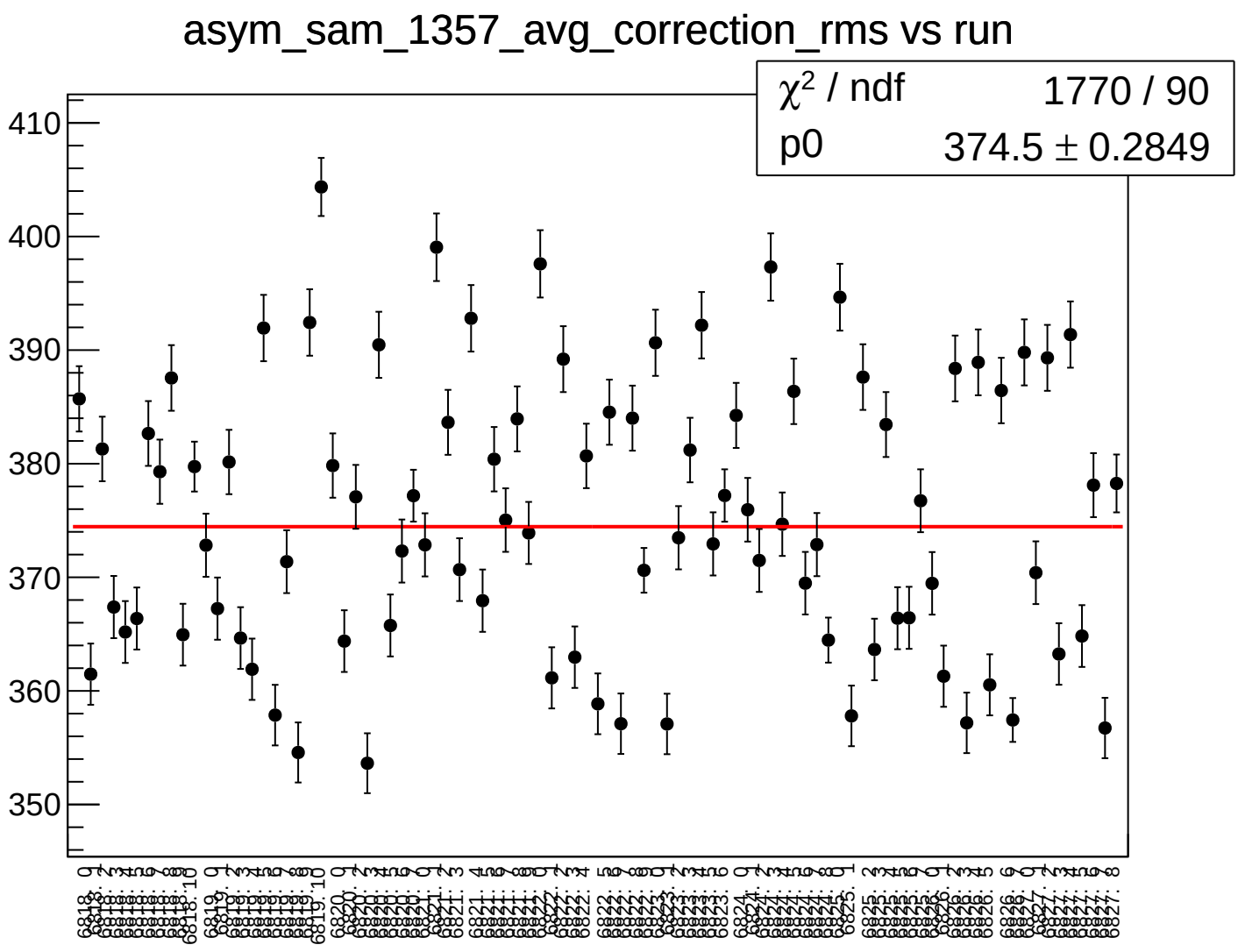

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 81.37 / 90
p0 −110 ± 54.31
pull
Entries 91
Mean 843.3
Std Dev 798.3

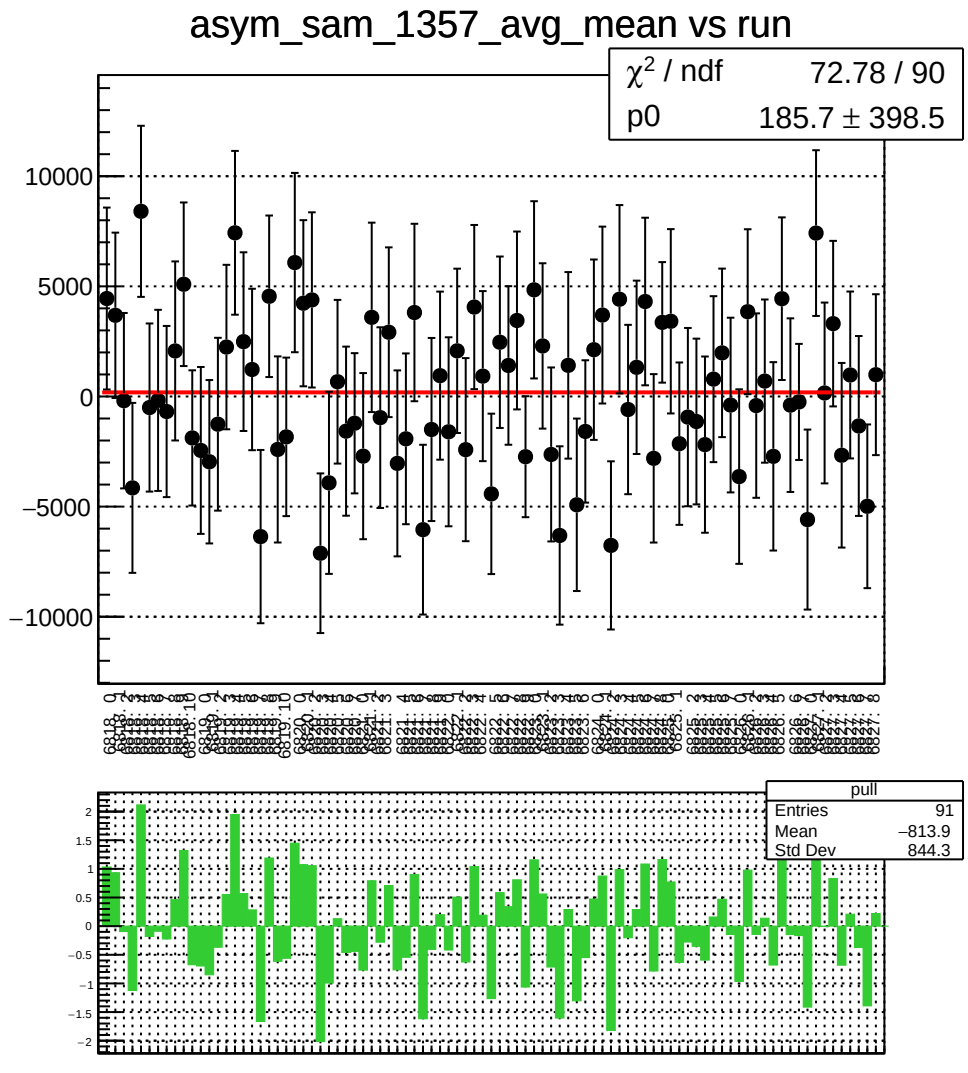

pull1D
Entries 91
Mean −0.003207
Std Dev 0.9456

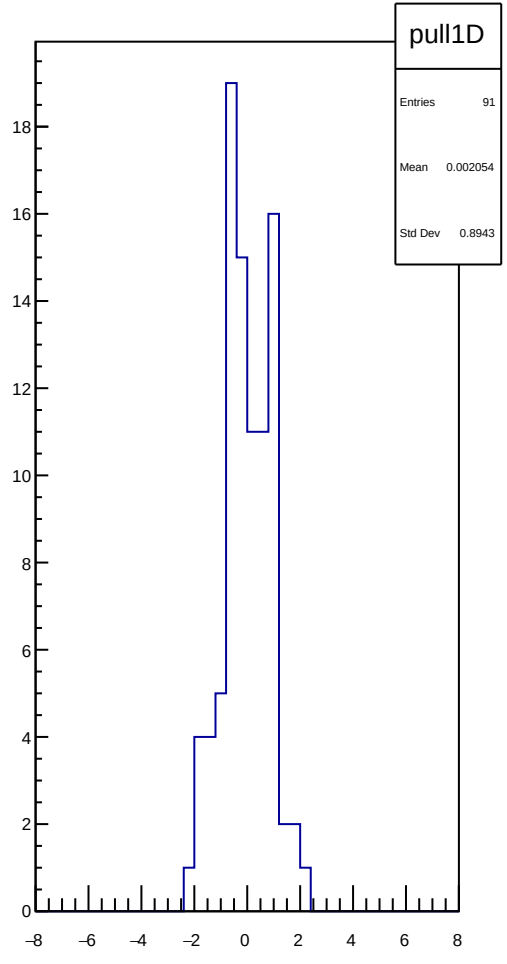

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3868 / 90
p0 50.45 ± 0.0384
64
62
60
58
56
54
52
50
48
46

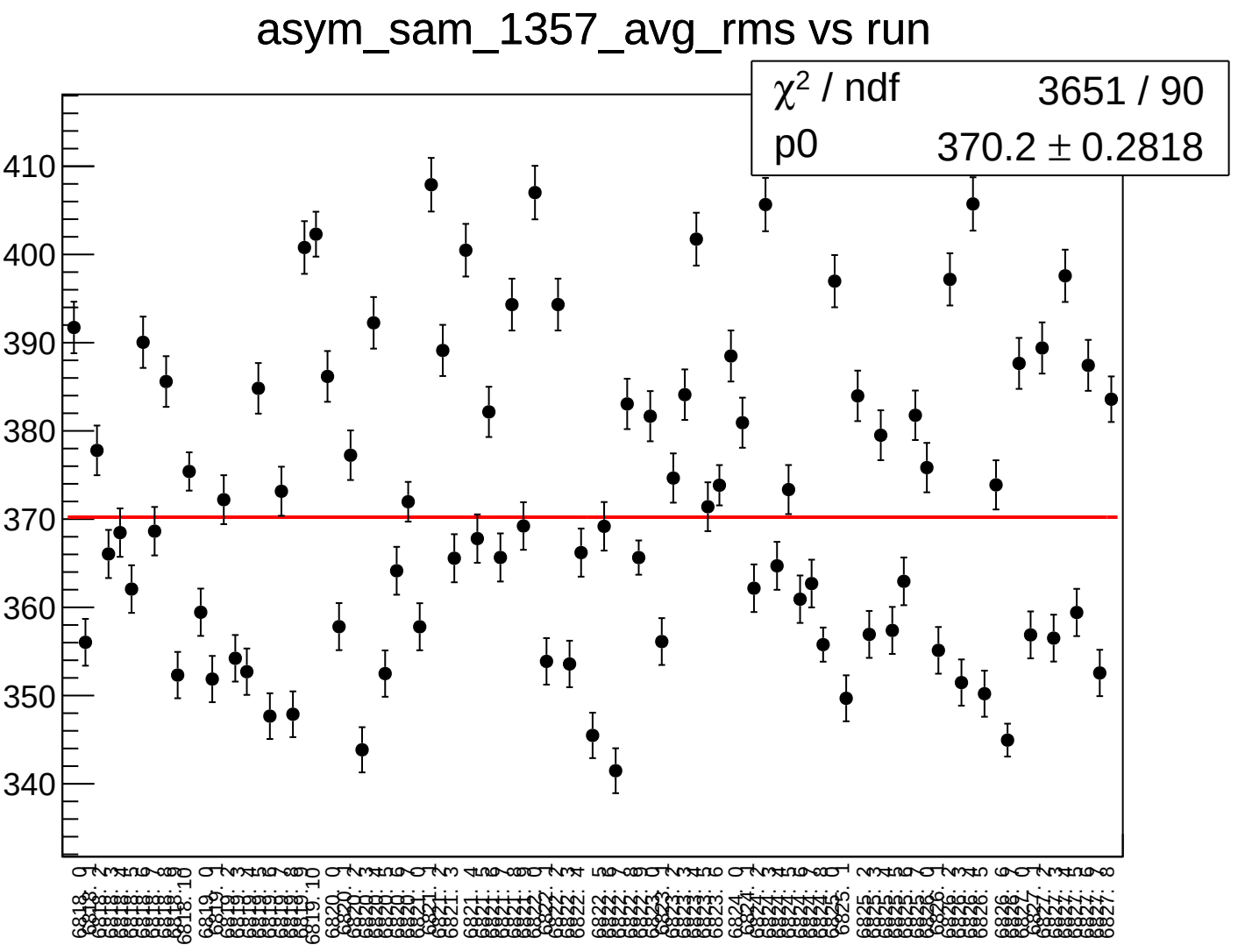

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 74.01 / 90
p0 −302.7 ± 402.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 91
Mean −292.8
Std Dev 320.4
2
1
0
−1
−2

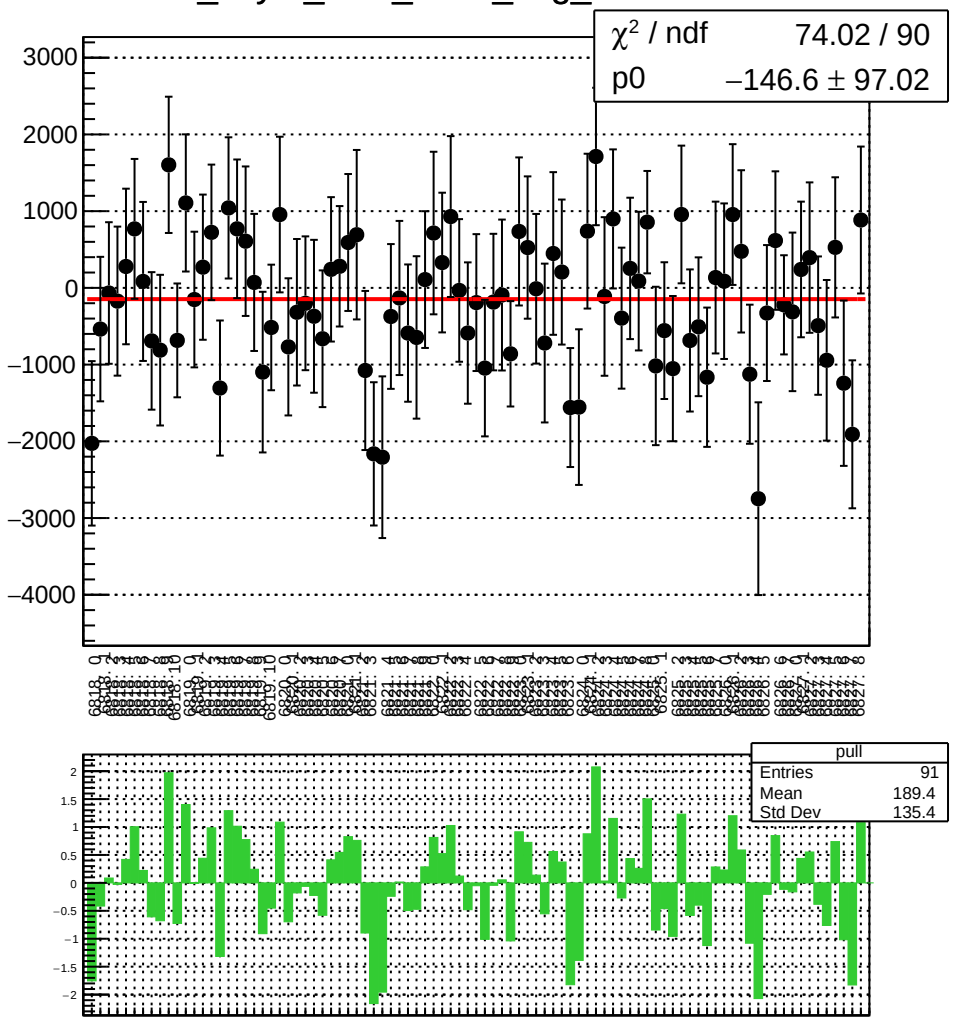

pull1D
Entries 91
Mean −0.004344
Std Dev 0.9018
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

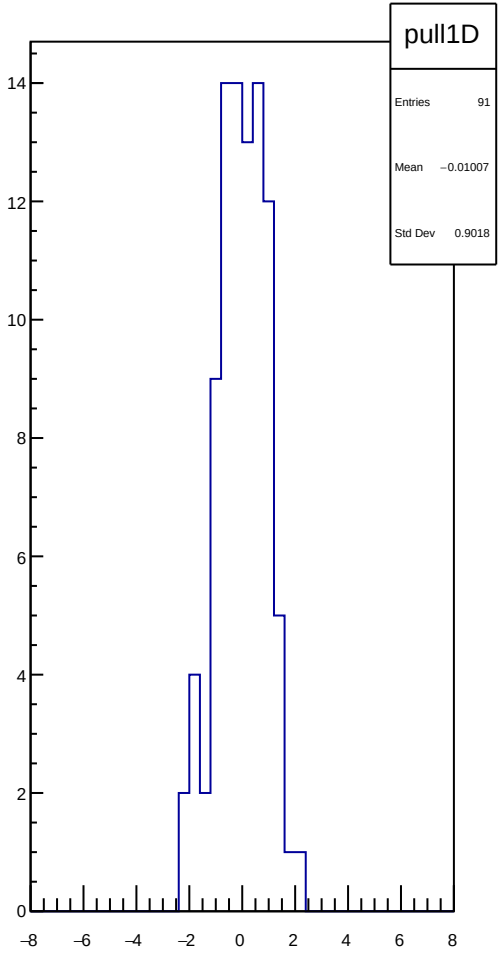

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1770 / 90
p0 374.5 ± 0.2849
410
400
390
380
370
360
350

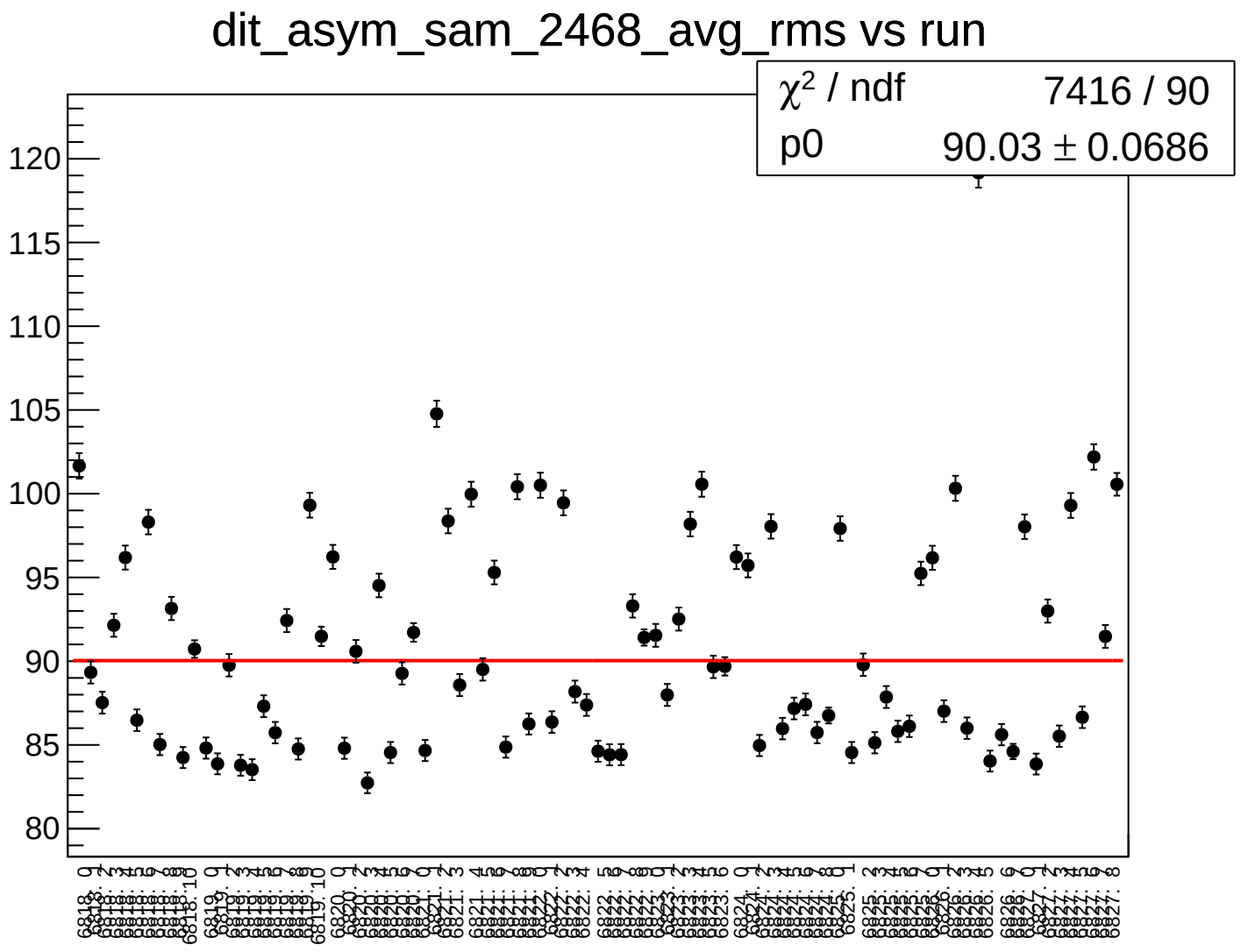

asym_sam_1357_avg_mean vs run
χ² / ndf 72.78 / 90
p0 185.7 ± 398.5
10000
5000
0
−5000
−10000
pull
Entries 91
Mean −813.9
Std Dev 844.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

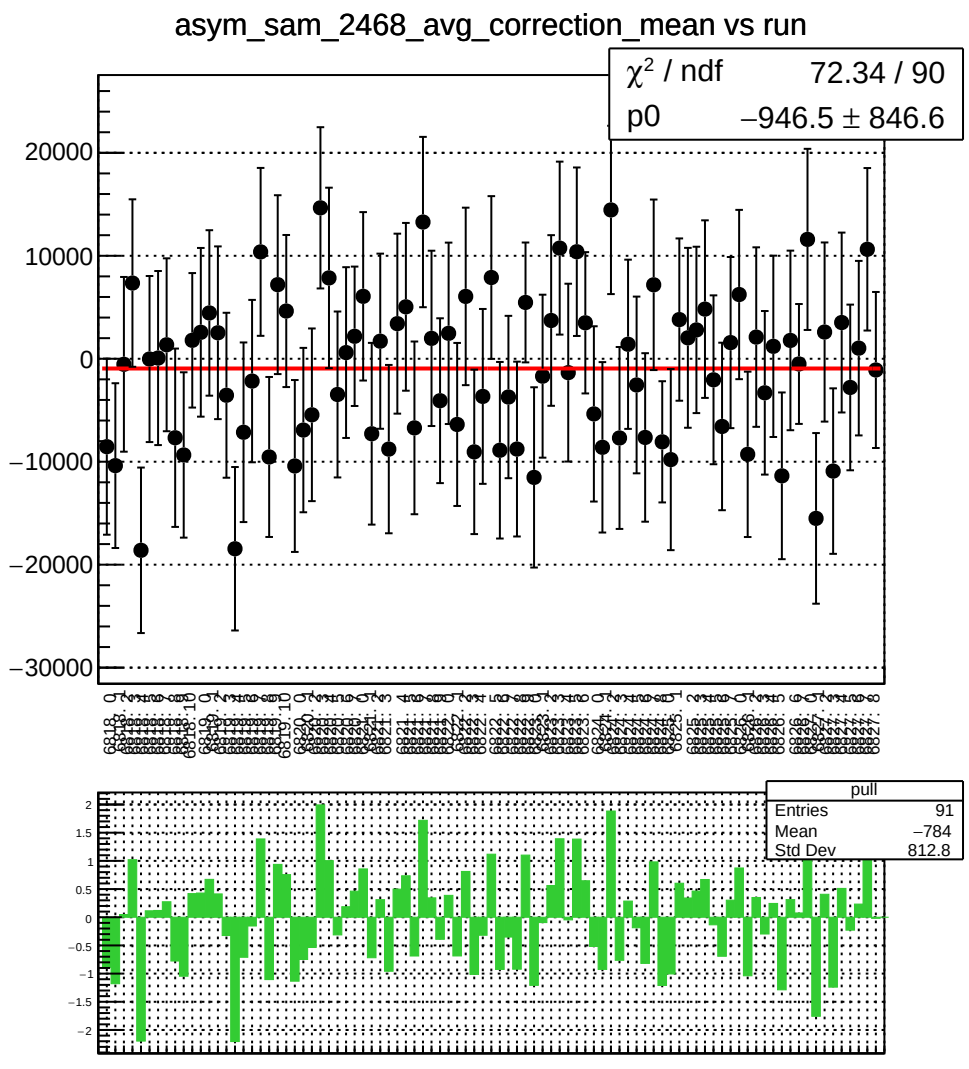

pull1D
Entries 91
Mean 0.002054
Std Dev 0.8943
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

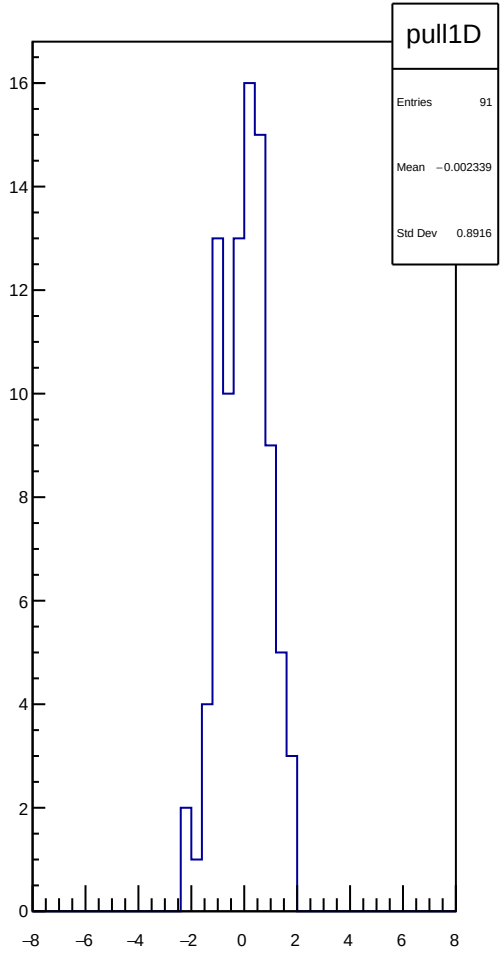

asym_sam_1357_avg_rms vs run
χ² / ndf 3651 / 90
p0 370.2 ± 0.2818
410
400
390
380
370
360
350
340

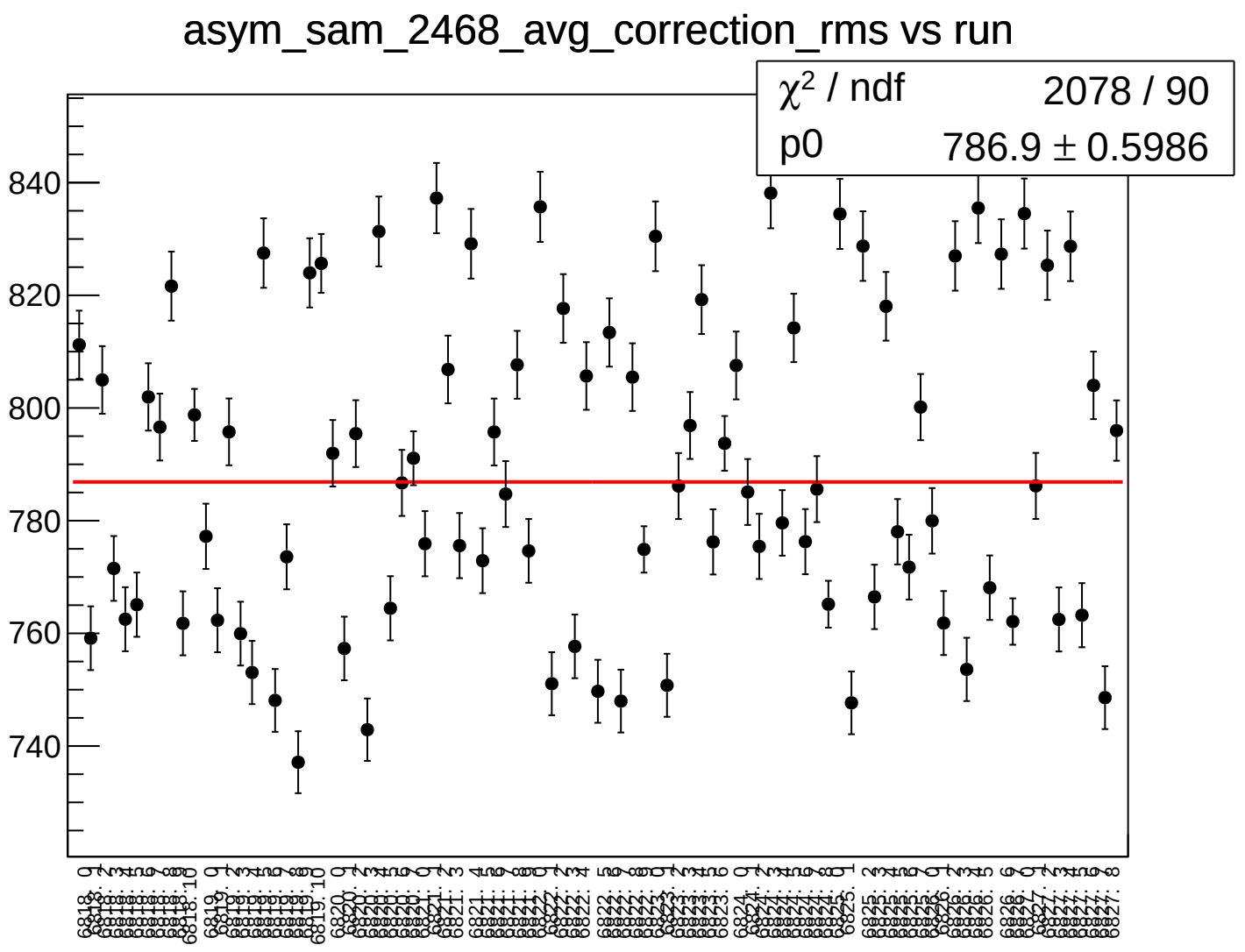

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 74.02 / 90
p0 −146.6 ± 97.02
pull
Entries 91
Mean 189.4
Std Dev 135.4

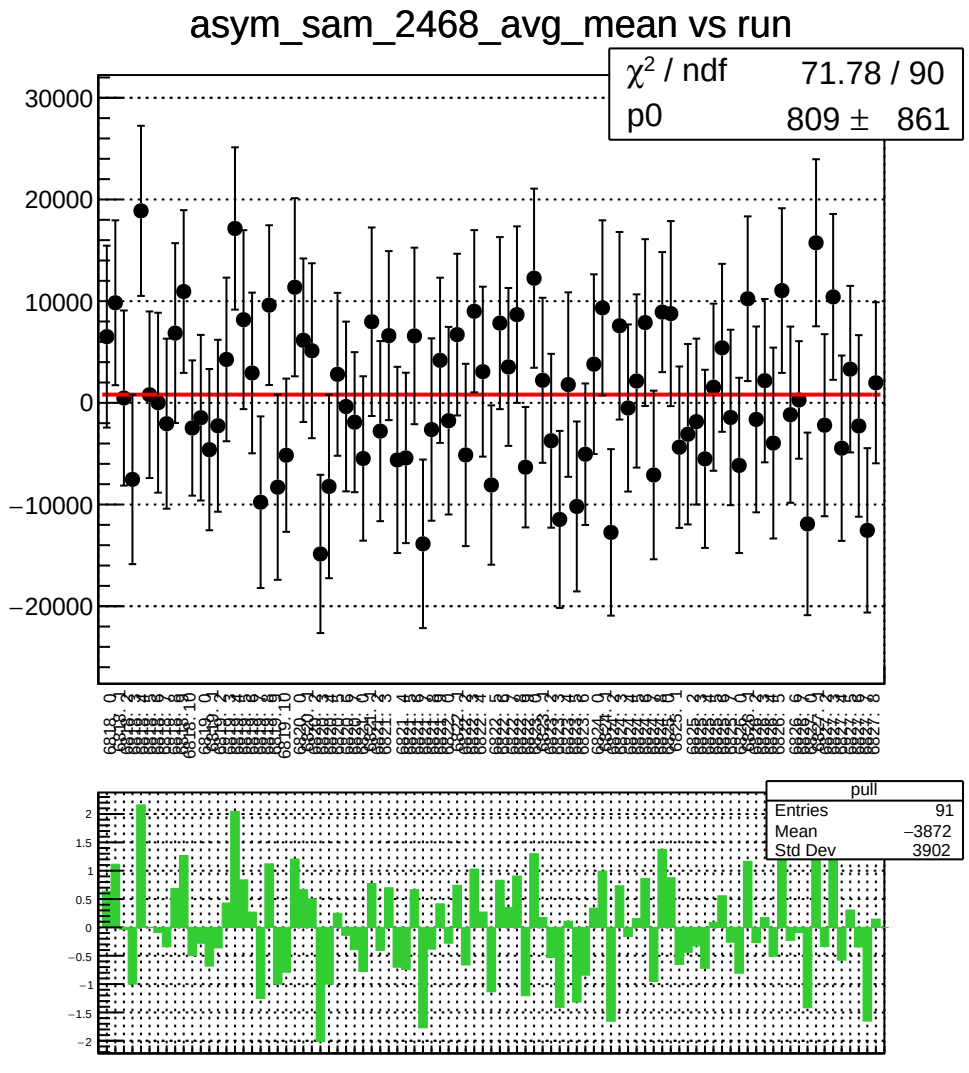

pull1D
Entries 91
Mean −0.01007
Std Dev 0.9018

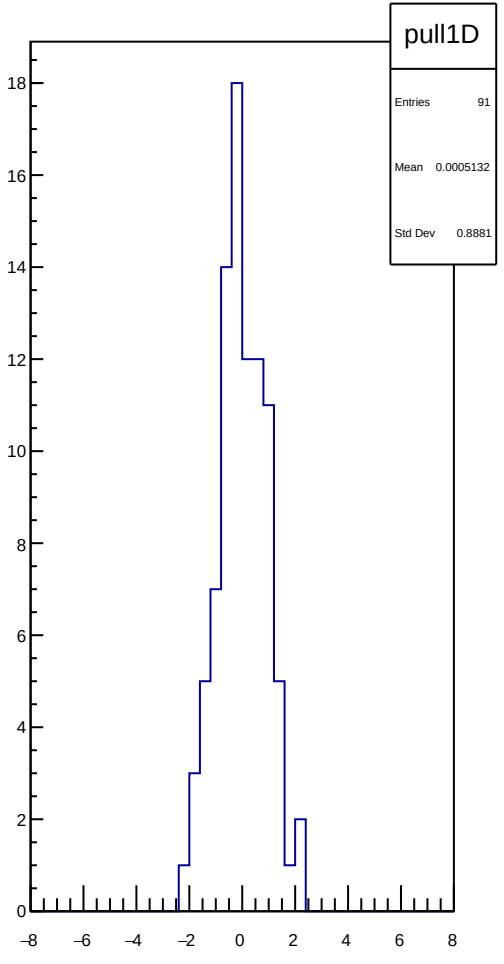

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 7416 / 90
p0 90.03 ± 0.0686
120
115
110
105
100
95
90
85
80

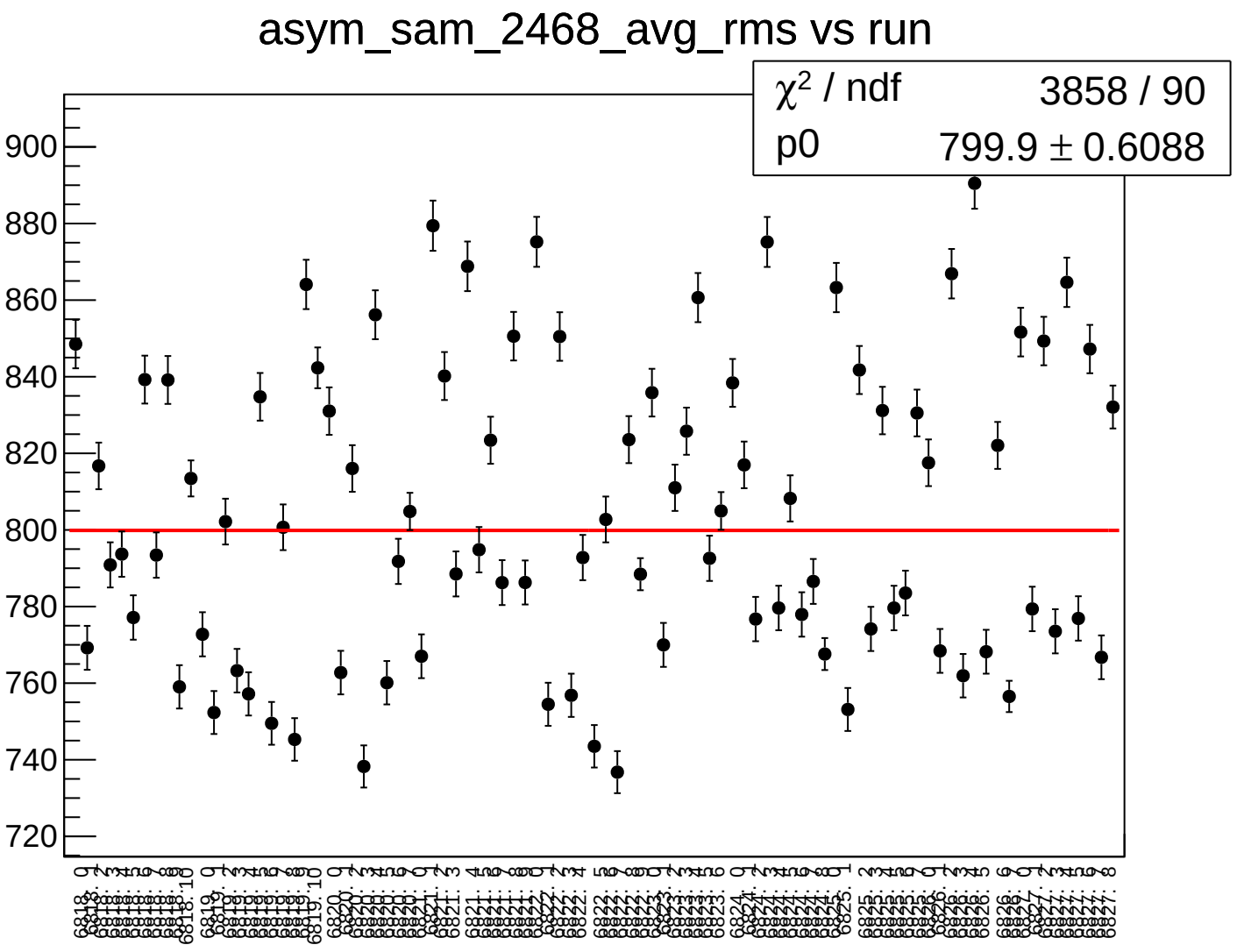

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 72.34 / 90
p0 −946.5 ± 846.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 91
Mean −784
Std Dev 812.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

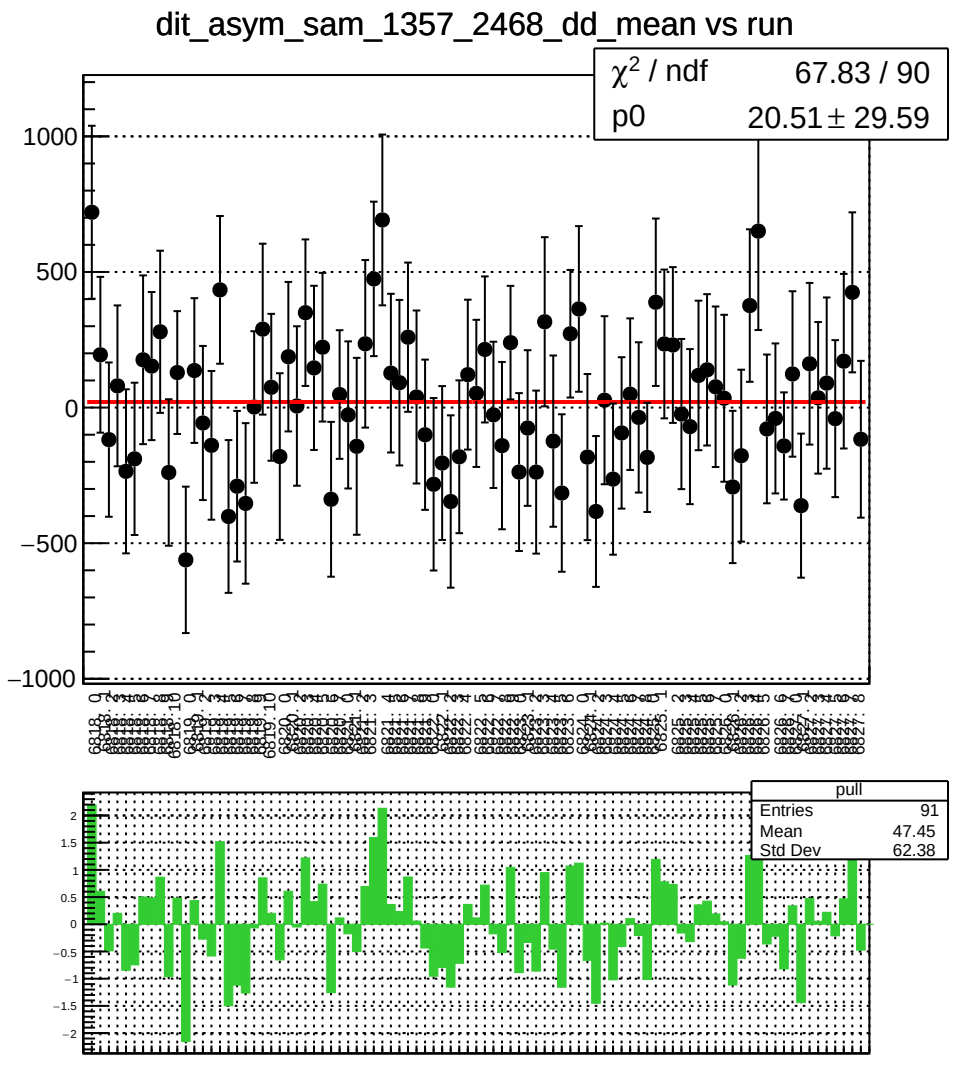

pull1D
Entries 91
Mean −0.002339
Std Dev 0.8916
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

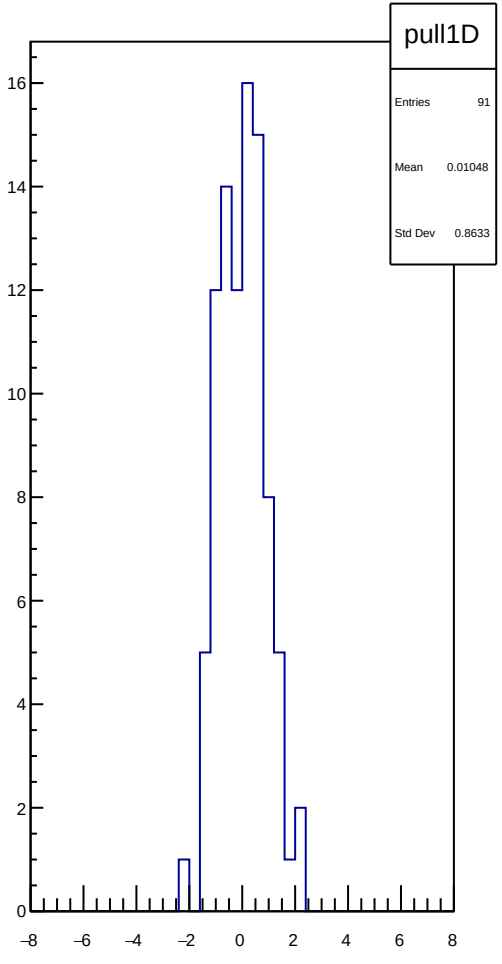

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2078 / 90
p0 786.9 ± 0.5986
840
820
800
780
760
740

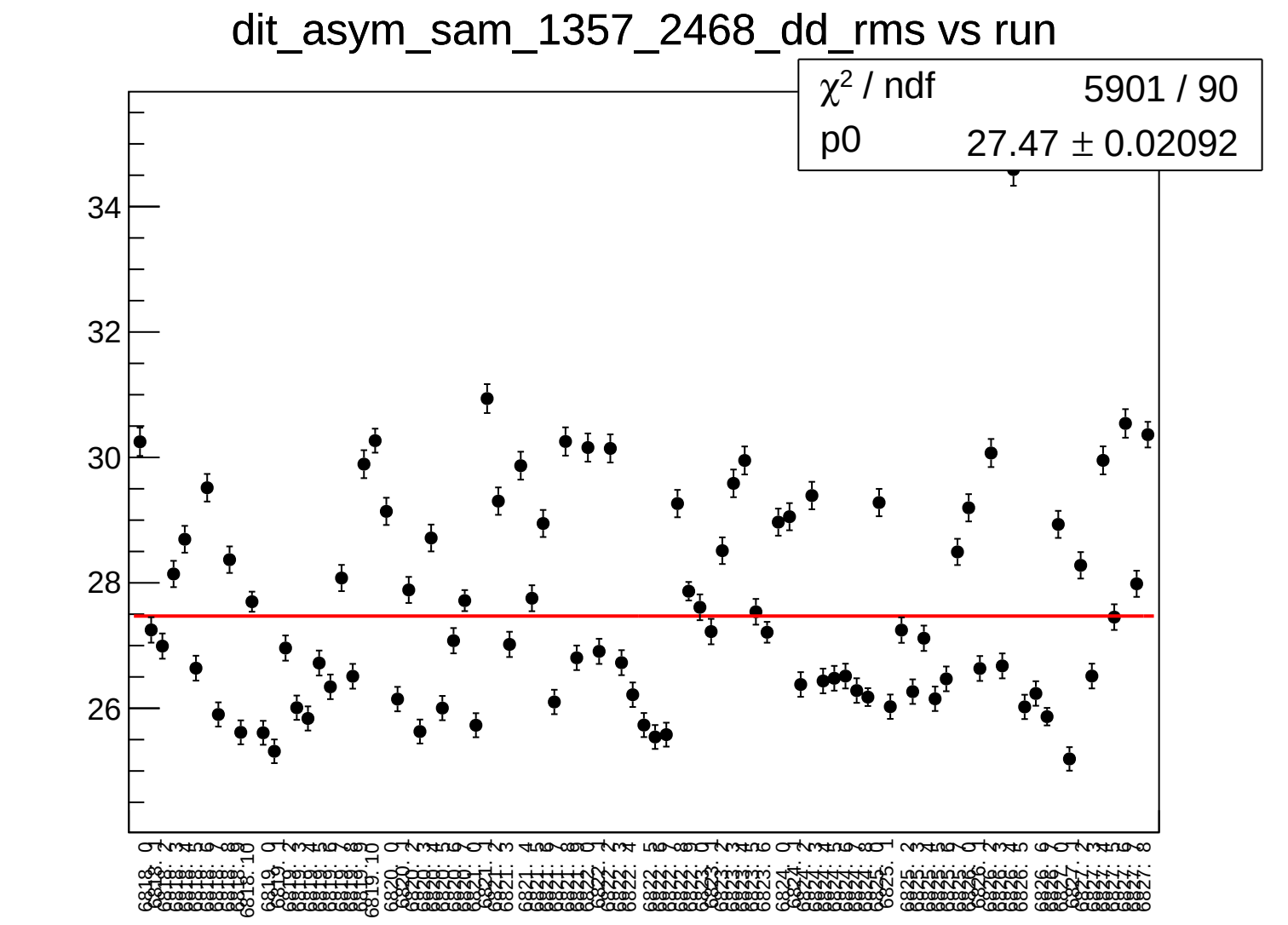

asym_sam_2468_avg_mean vs run
χ² / ndf 71.78 / 90
p0 809 ± 861
pull
Entries 91
Mean −3872
Std Dev 3902

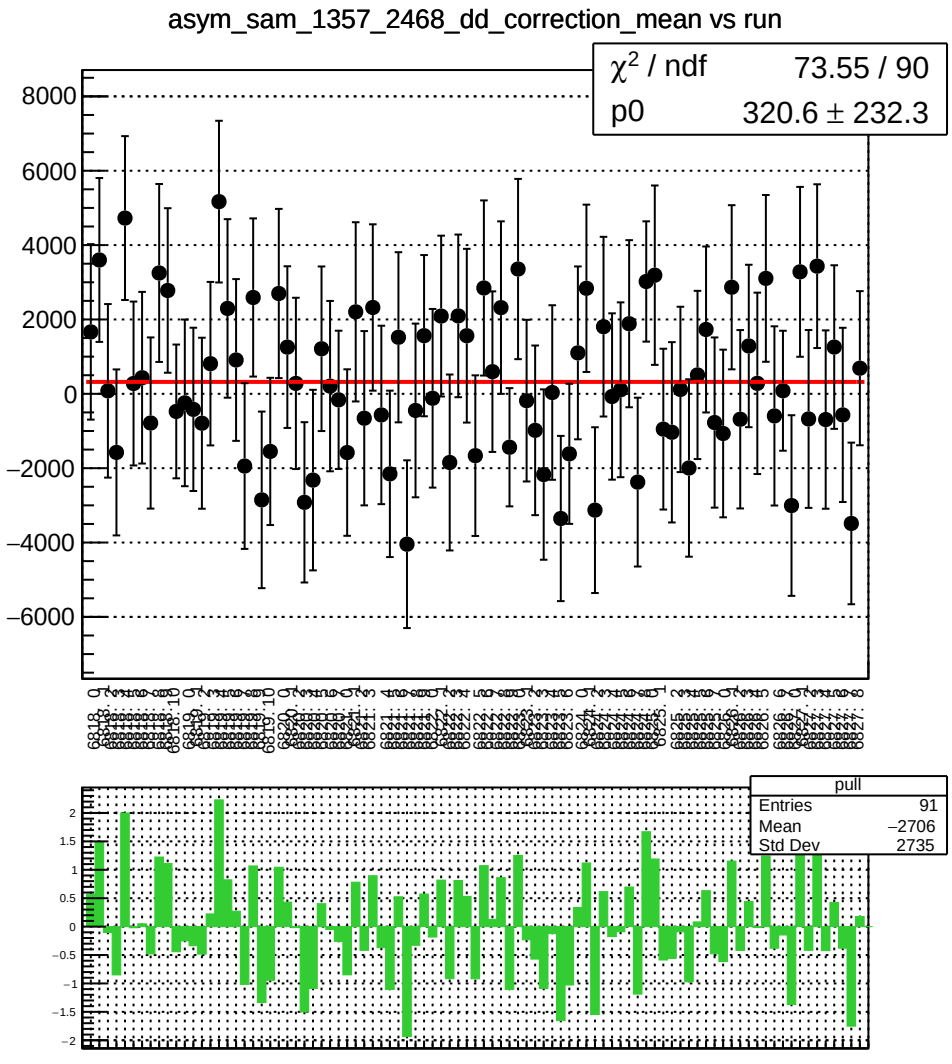

pull1D
Entries 91
Mean 0.0005132
Std Dev 0.8881

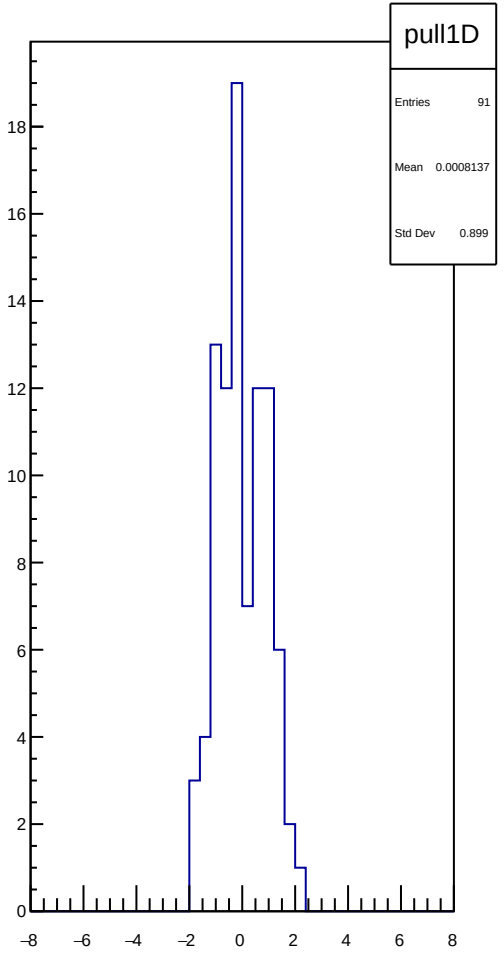

asym_sam_2468_avg_rms vs run
χ^2 / ndf 3858 / 90
p0 799.9 ± 0.6088
900
880
860
840
820
800
780
760
740
720

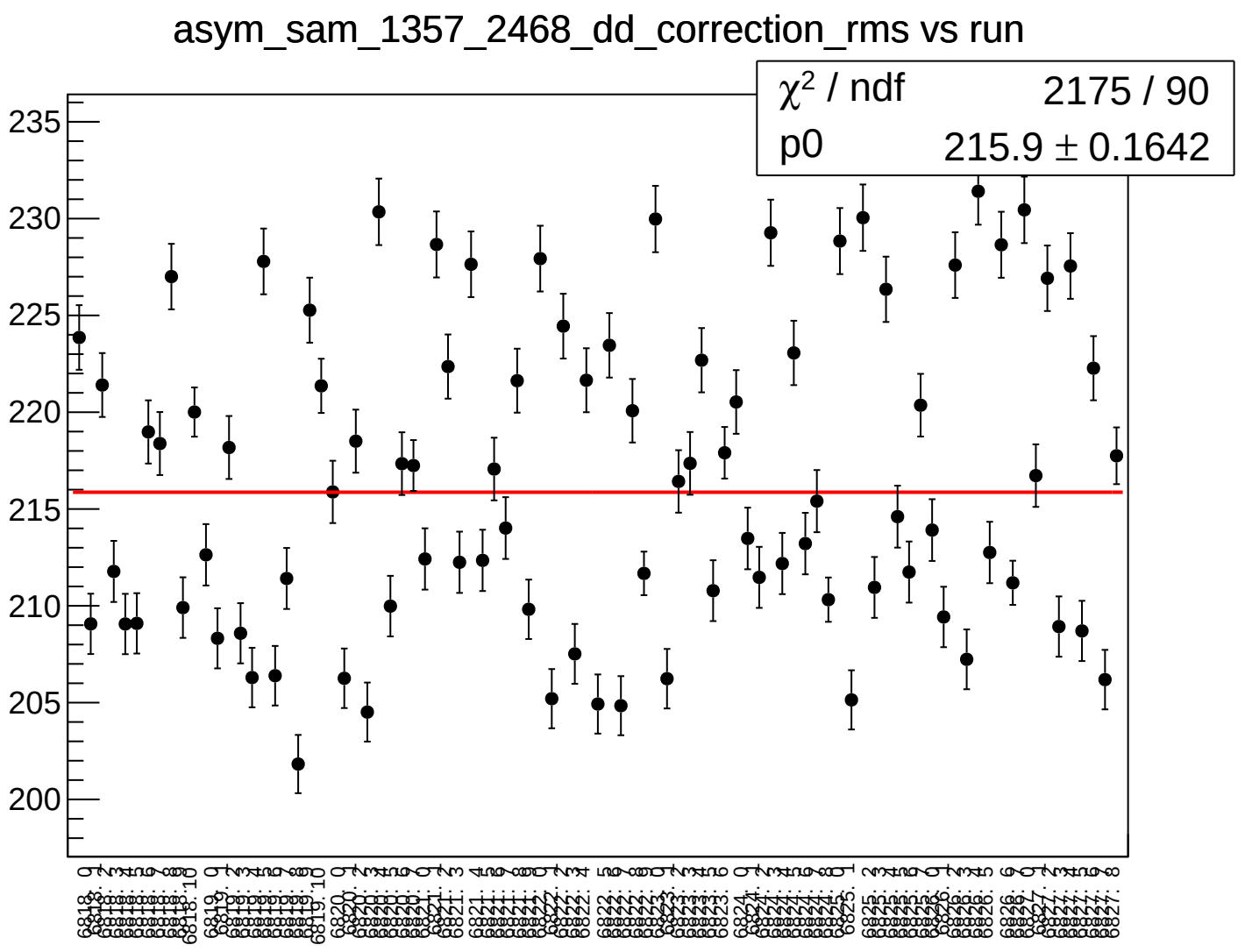

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 67.83 / 90
p0 20.51 ± 29.59
1000
500
0
−500
−1000
pull
Entries 91
Mean 47.45
Std Dev 62.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

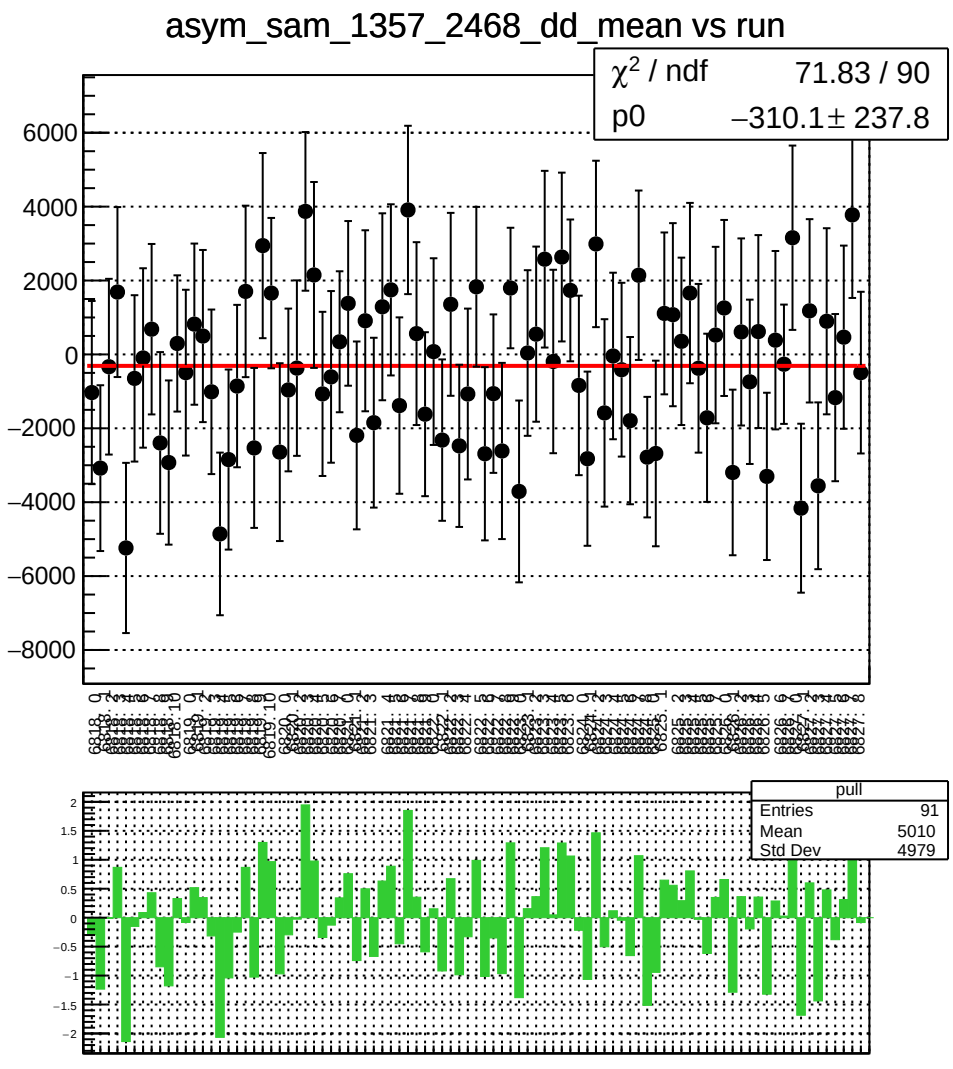

pull1D
Entries 91
Mean 0.01048
Std Dev 0.8633
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

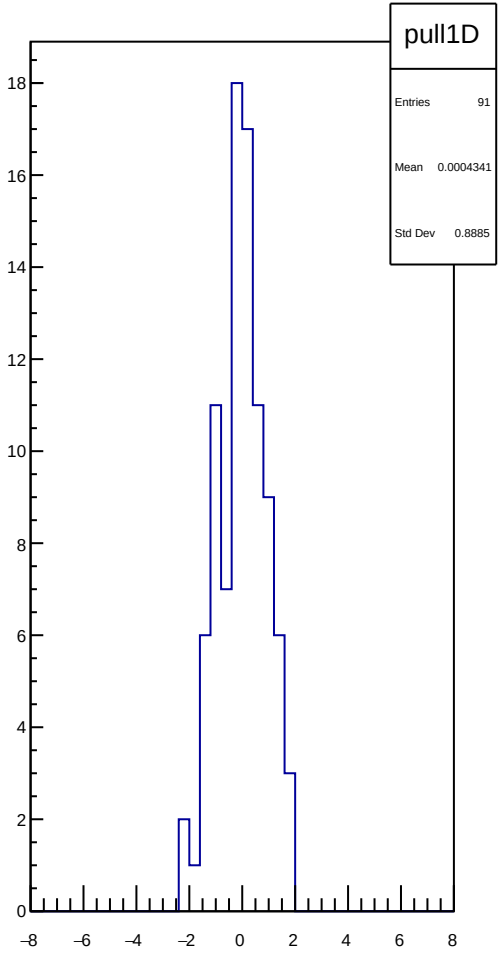

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5901 / 90
p0 27.47 ± 0.02092
34
32
30
28
26

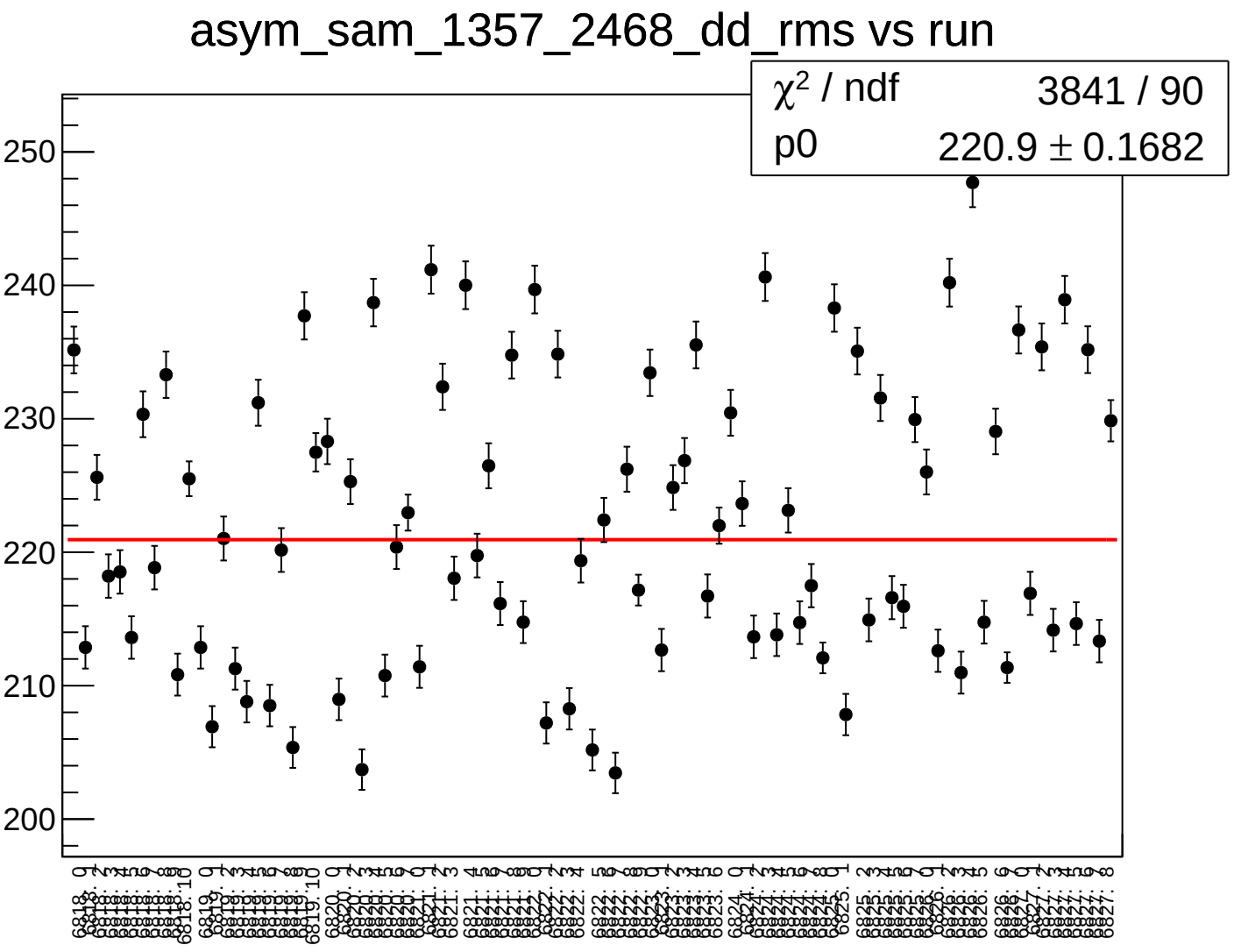

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 73.55 / 90
p0 320.6 ± 232.3
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 91
Mean −2706
Std Dev 2735
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

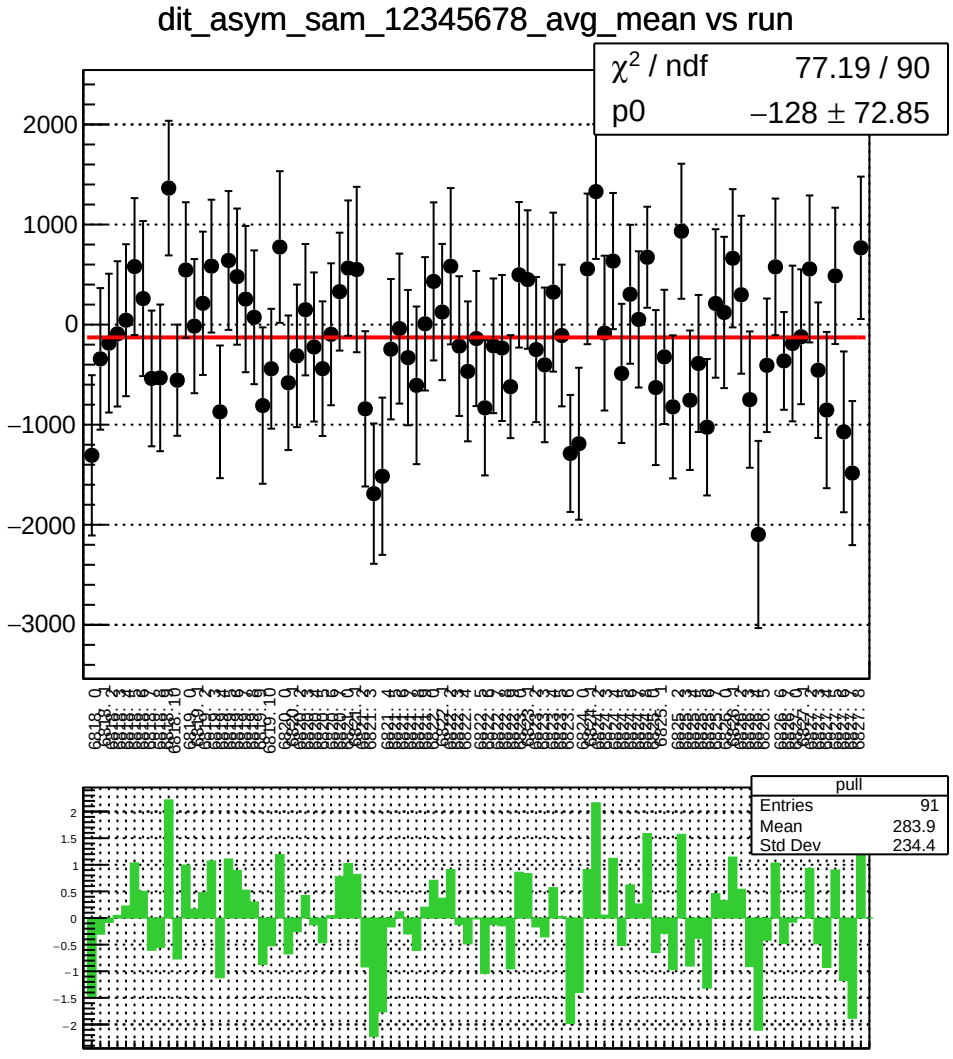

pull1D
Entries 91
Mean 0.0008137
Std Dev 0.899
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

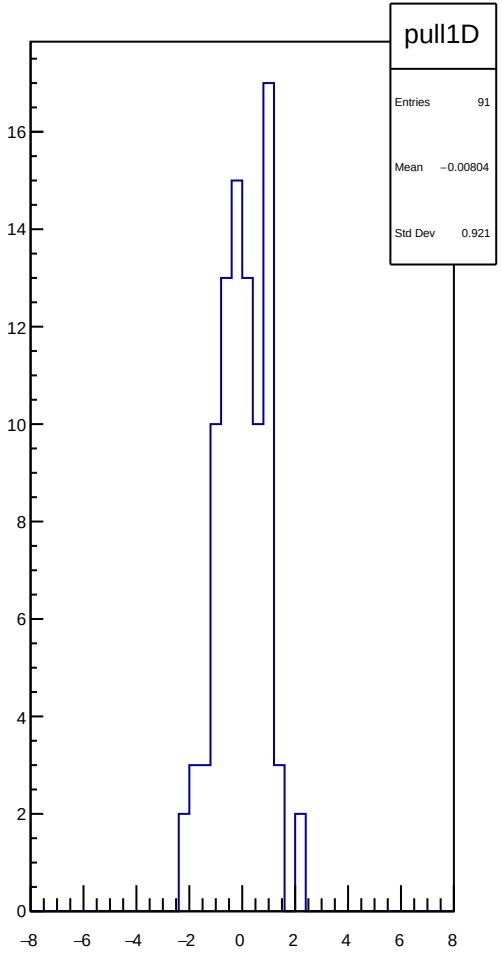

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2175 / 90
p0 215.9 ± 0.1642
235
230
225
220
215
210
205
200

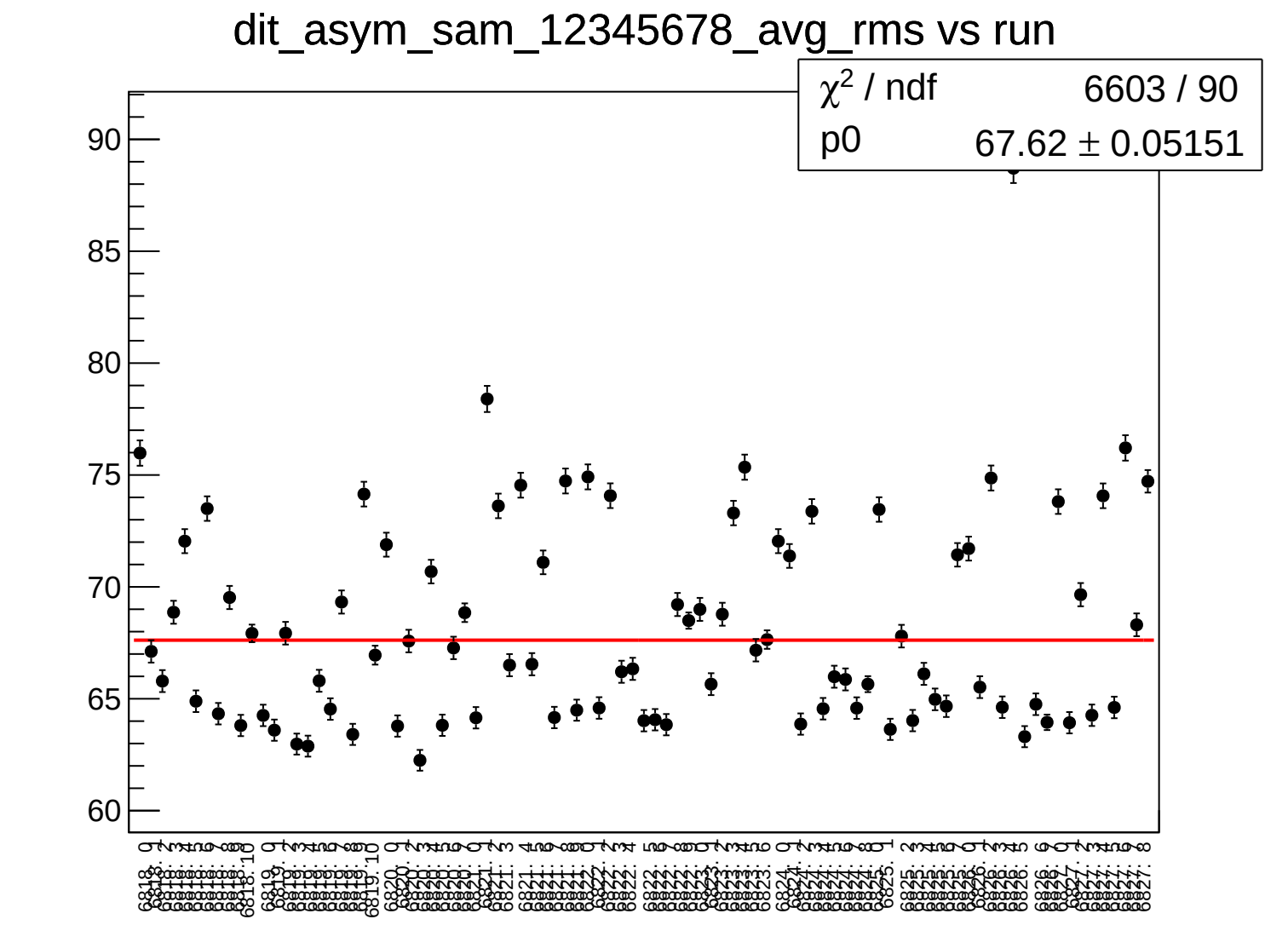

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 71.83 / 90
p0 −310.1± 237.8
pull
Entries 91
Mean 5010
Std Dev 4979

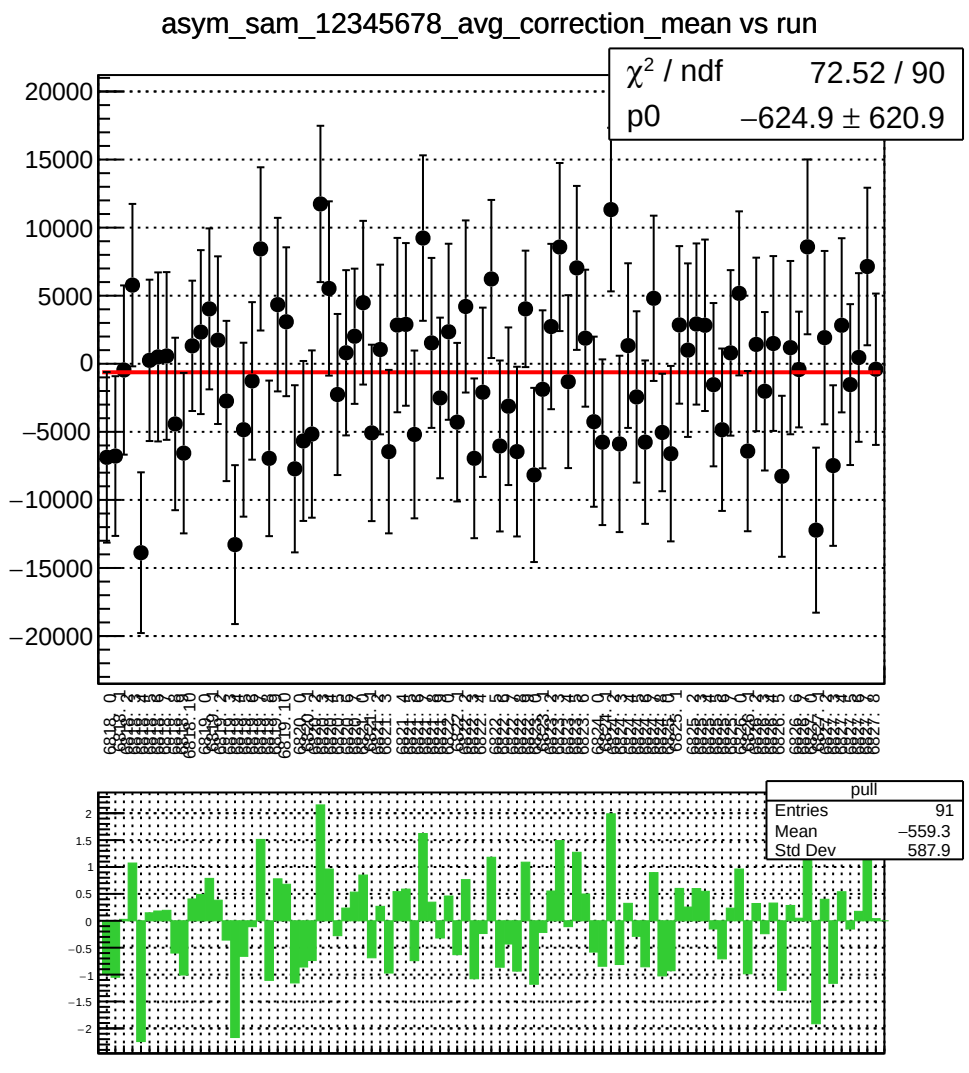

pull1D
Entries 91
Mean 0.0004341
Std Dev 0.8885

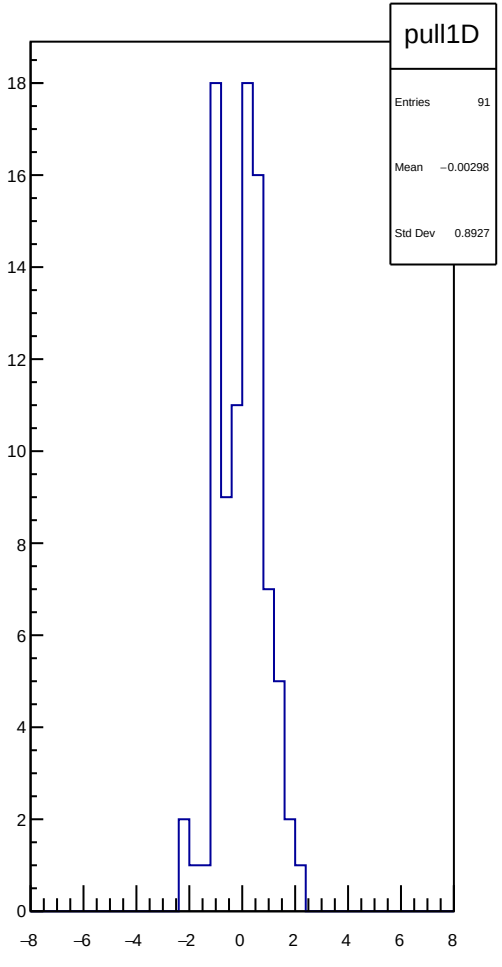

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3841 / 90
p0 220.9 ± 0.1682
250
240
230
220
210
200

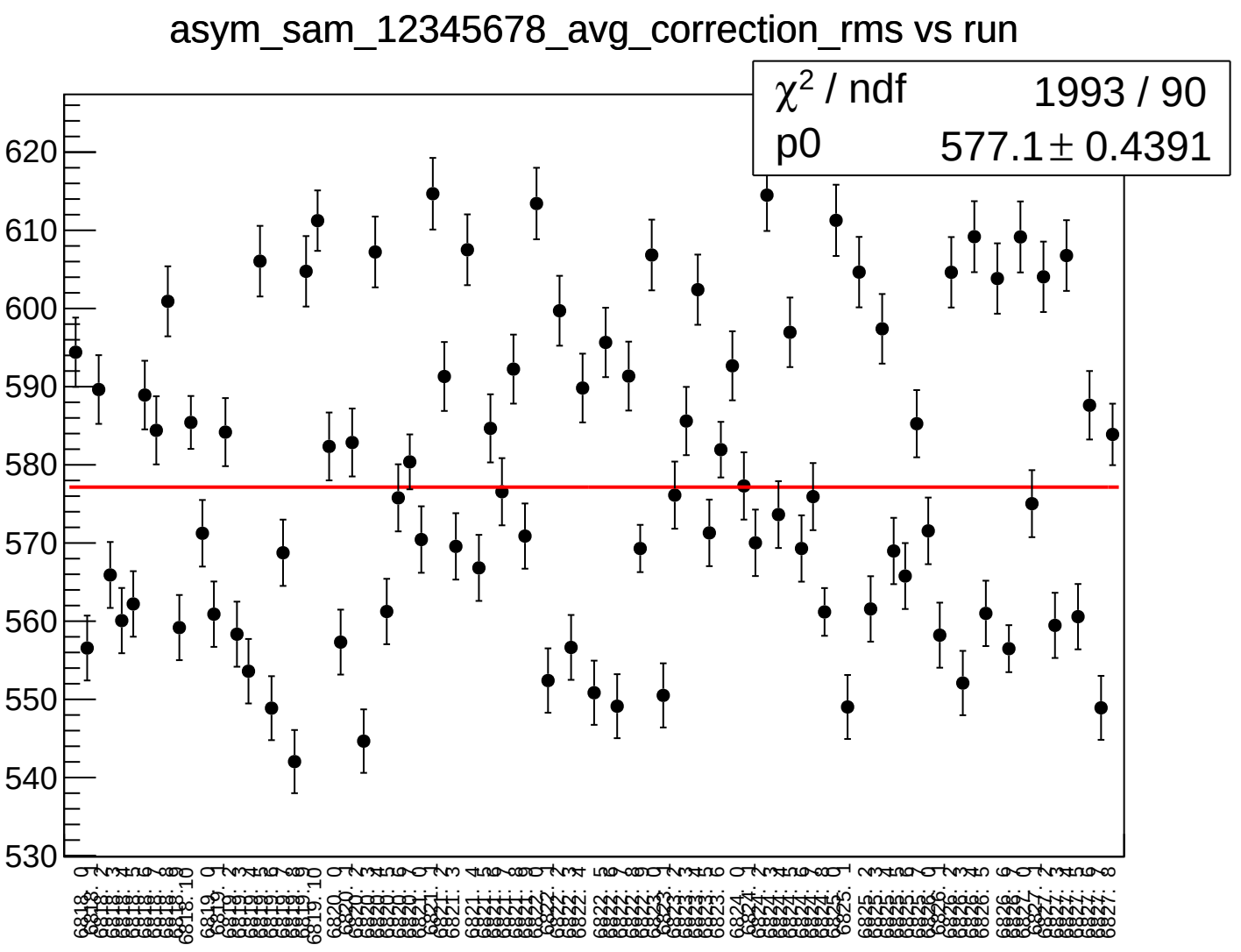

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 77.19 / 90
p0 −128 ± 72.85
2000
1000
0
−1000
−2000
−3000
pull
Entries 91
Mean 283.9
Std Dev 234.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

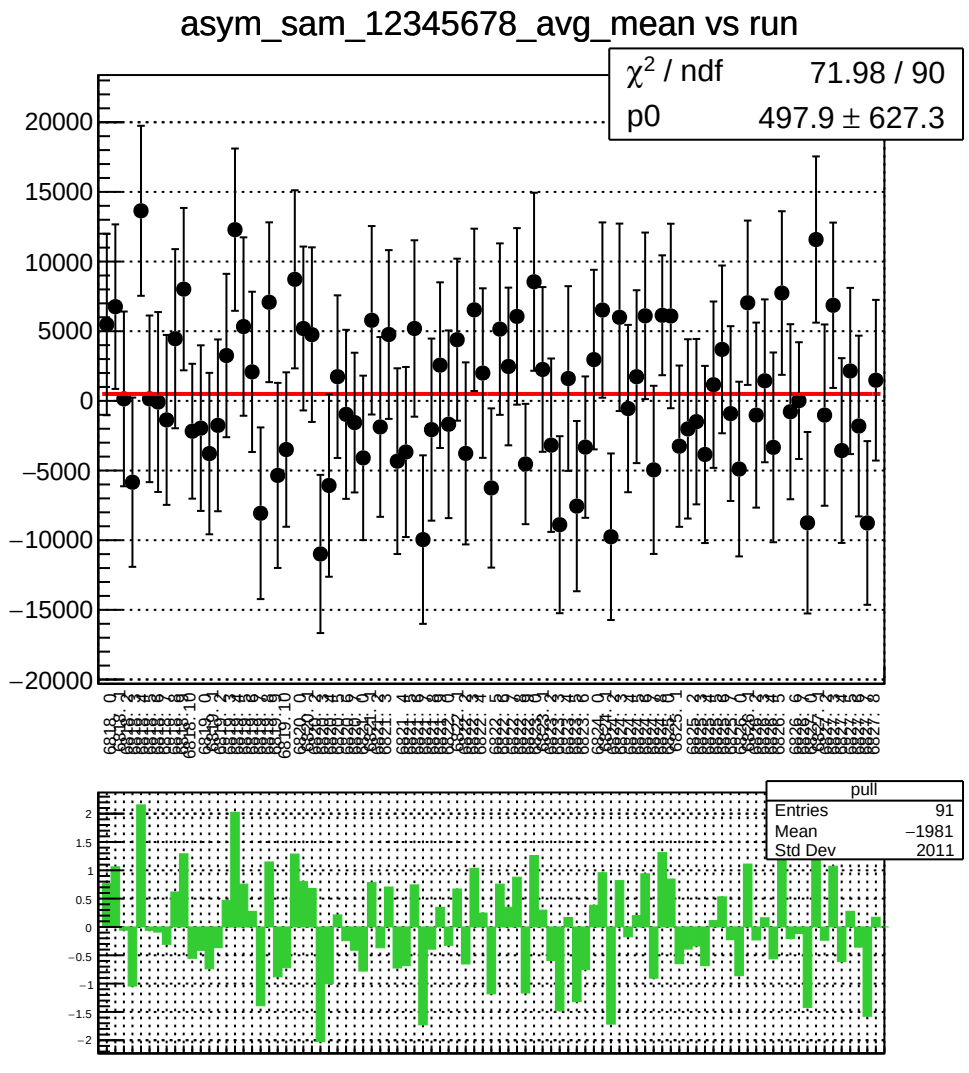

pull1D
Entries 91
Mean −0.00804
Std Dev 0.921
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

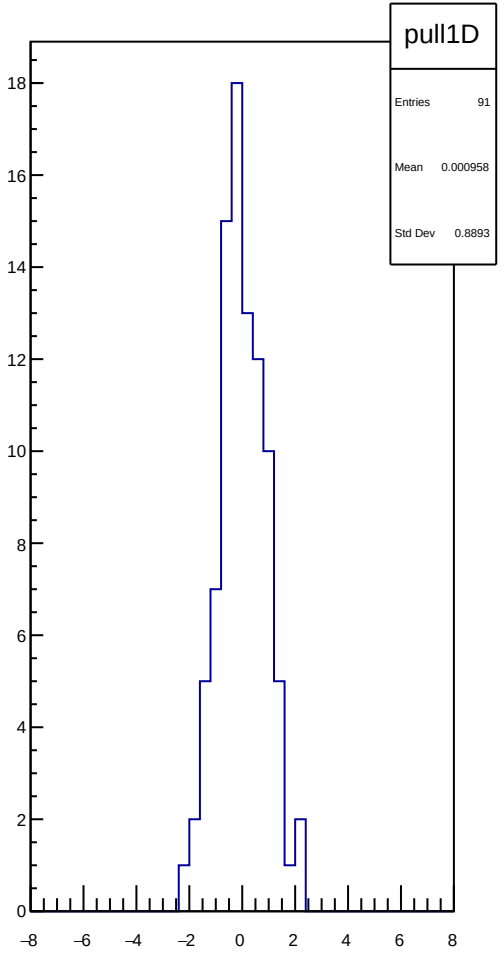

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 6603 / 90
p0 67.62 ± 0.05151
90
85
80
75
70
65
60

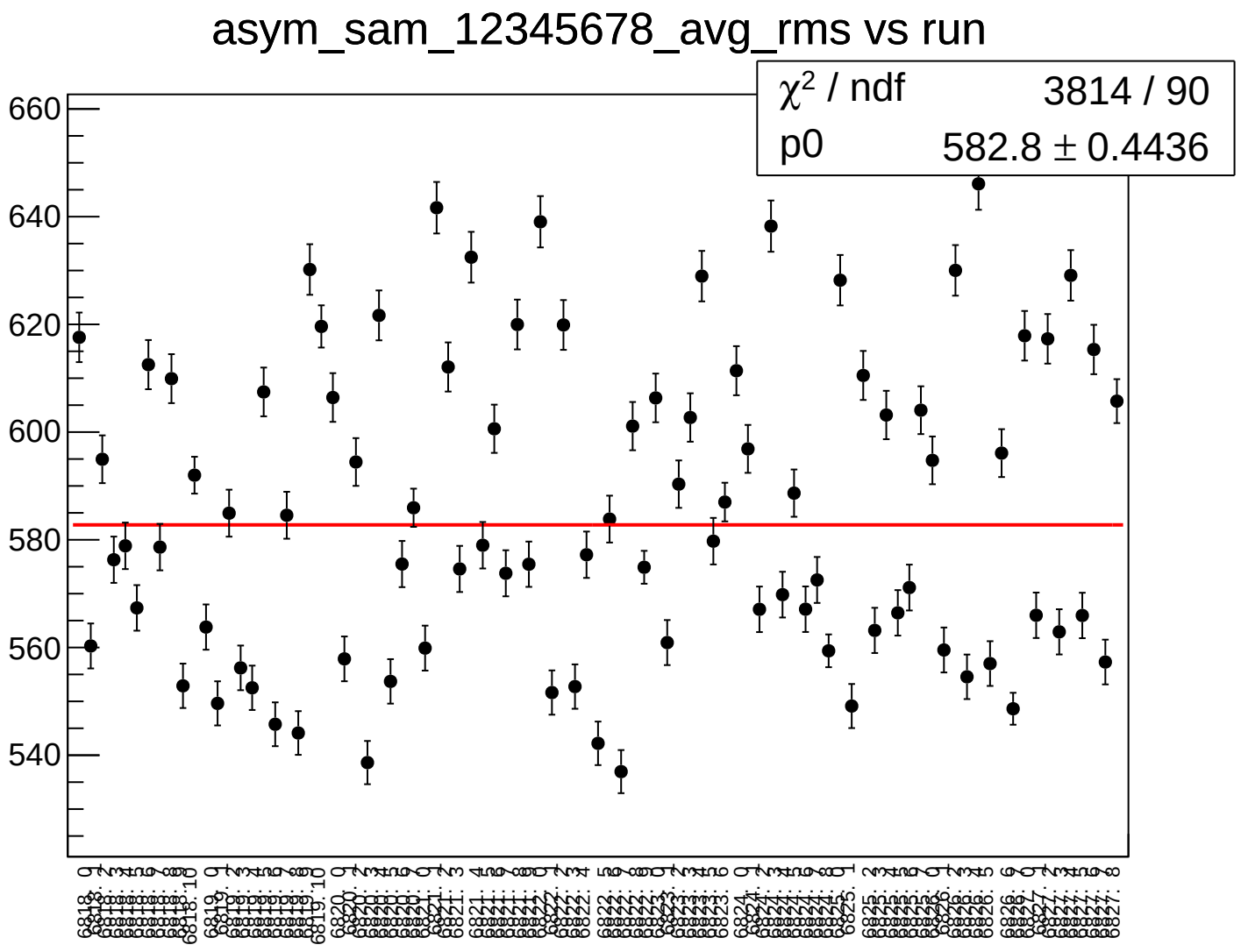

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 72.52 / 90
p0 −624.9 ± 620.9
pull
Entries 91
Mean −559.3
Std Dev 587.9

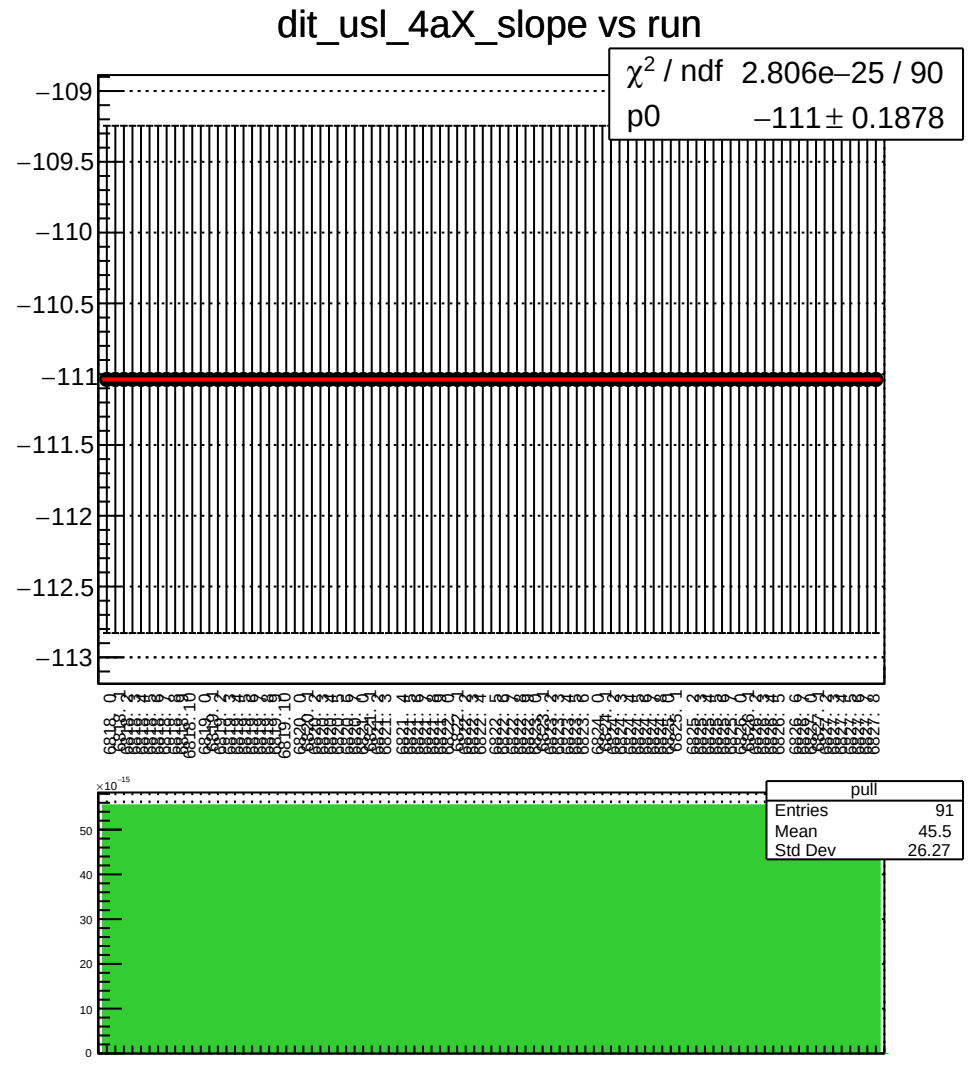

pull1D
Entries 91
Mean −0.00298
Std Dev 0.8927

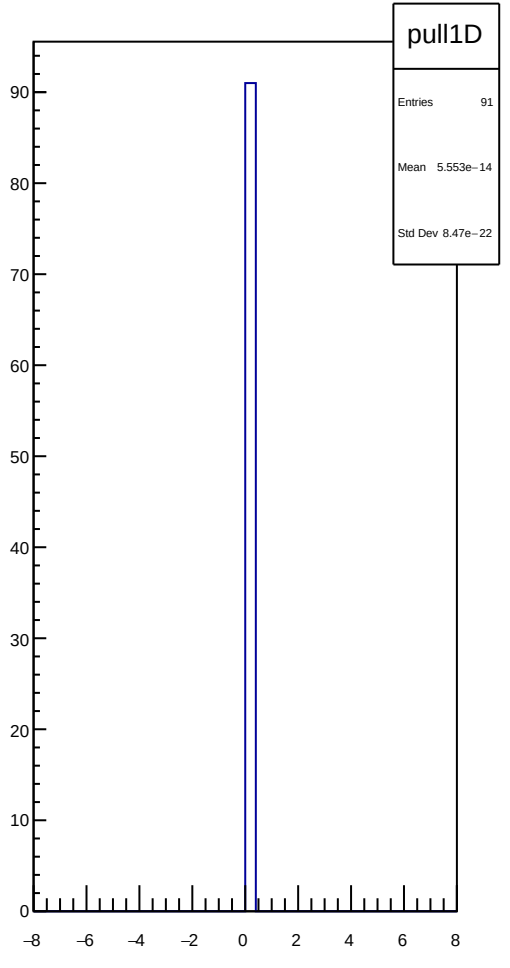

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1993 / 90
p0 577.1 ± 0.4391
620
610
600
590
580
570
560
550
540
530

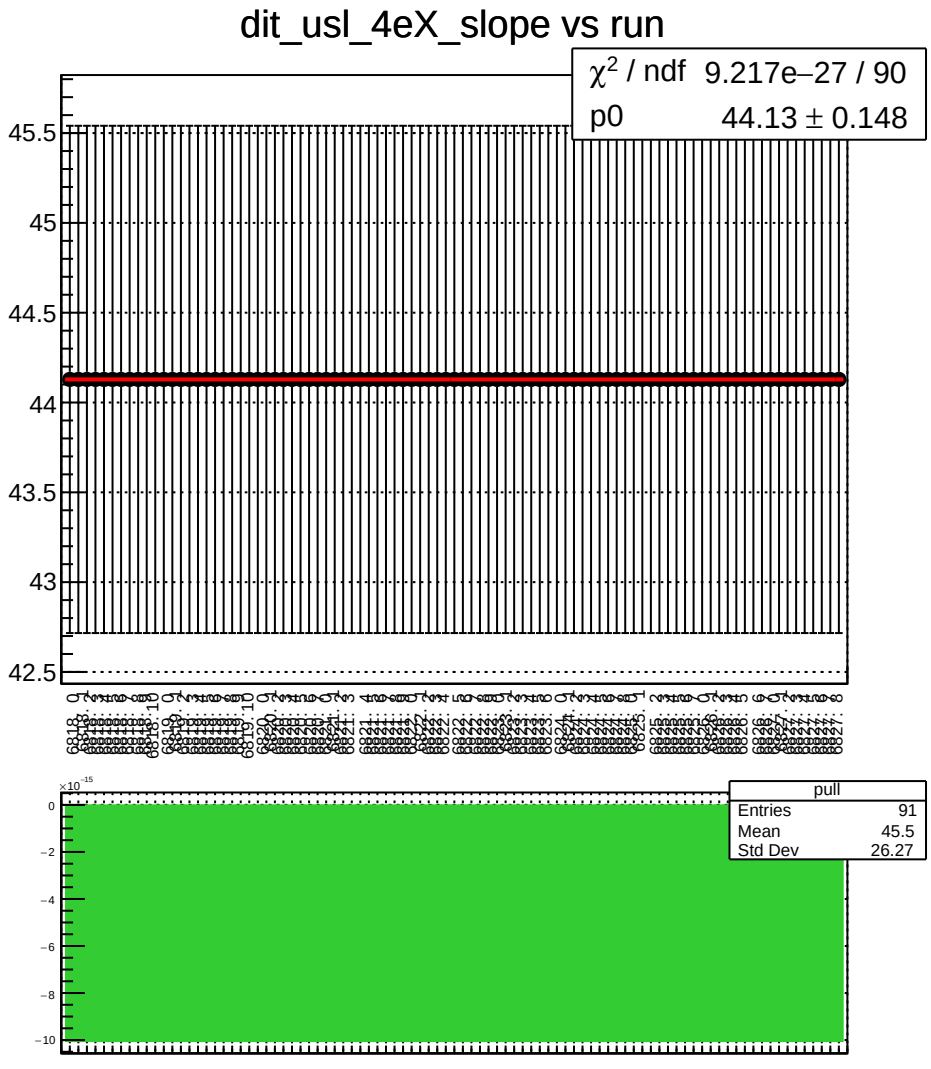

asym_sam_12345678_avg_mean vs run
χ² / ndf 71.98 / 90
p0 497.9 ± 627.3
pull
Entries 91
Mean −1981
Std Dev 2011

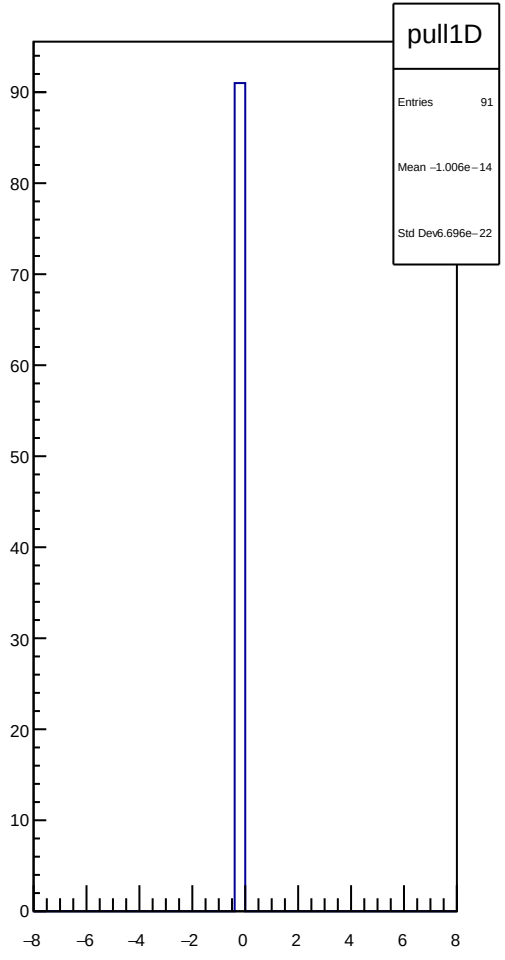

pull1D
Entries 91
Mean 0.000958
Std Dev 0.8893

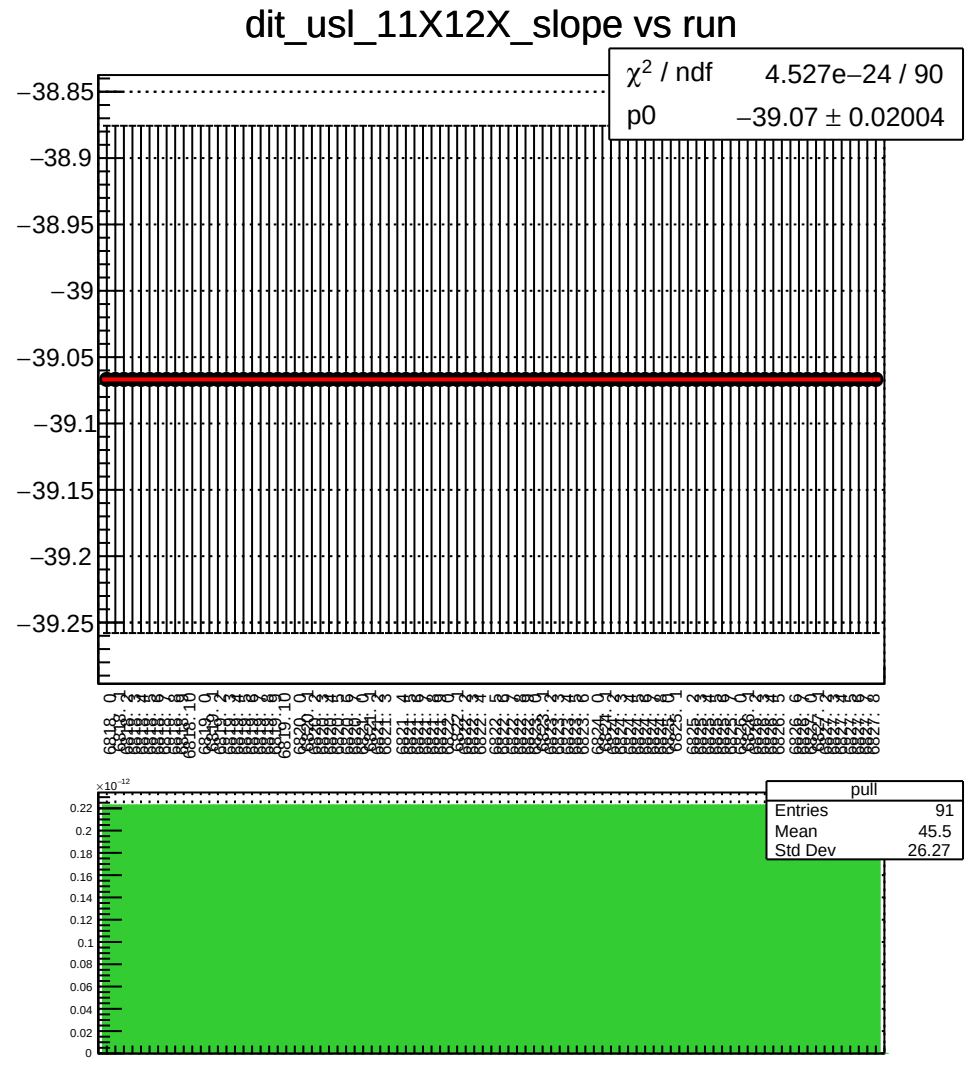

asym_sam_12345678_avg_rms vs run
χ² / ndf 3814 / 90
p0 582.8 ± 0.4436
660
640
620
600
580
560
540

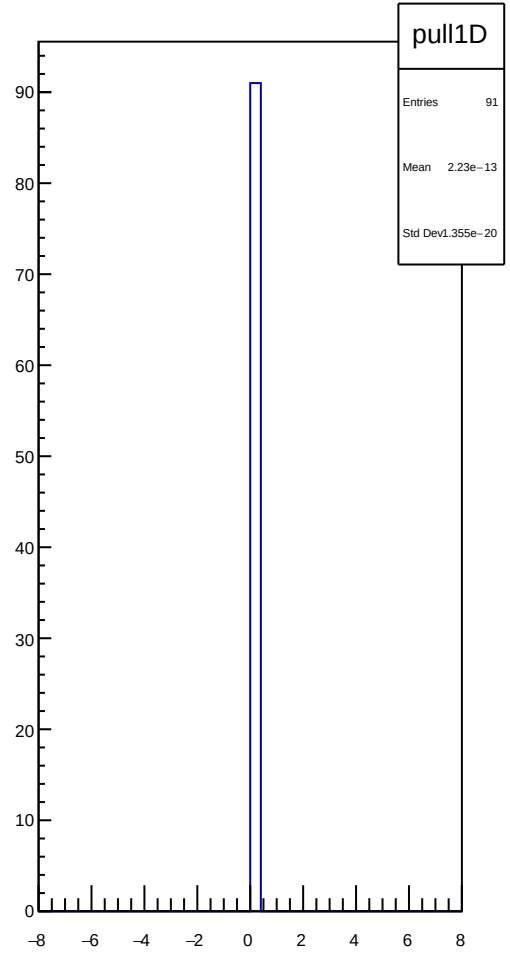

dit_usl_4aX_slope vs run
χ² / ndf 2.806e−25 / 90
p0 −111 ± 0.1878
−109
−109.5
−110
−110.5
−111
−111.5
−112
−112.5
−113
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
50
40
30
20
10
0

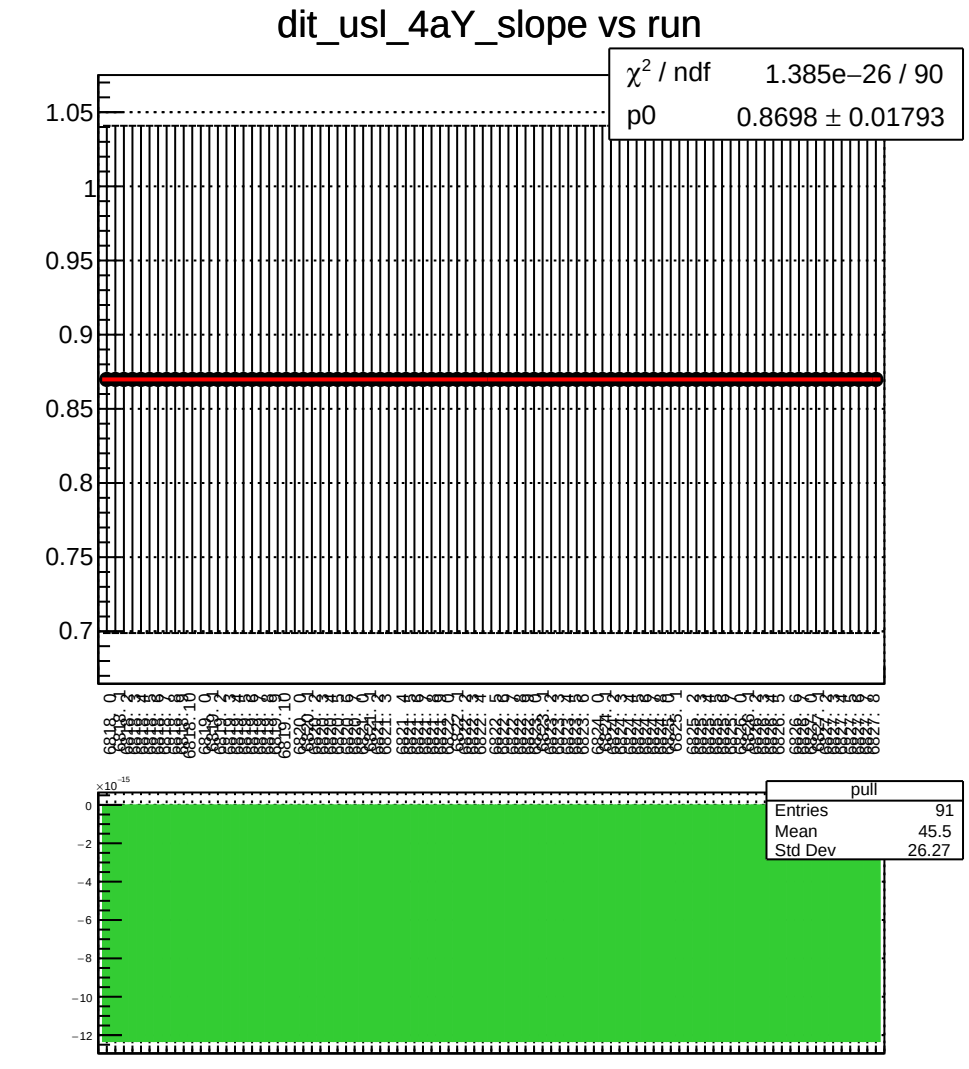

pull1D
Entries 91
Mean 5.553e−14
Std Dev 8.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

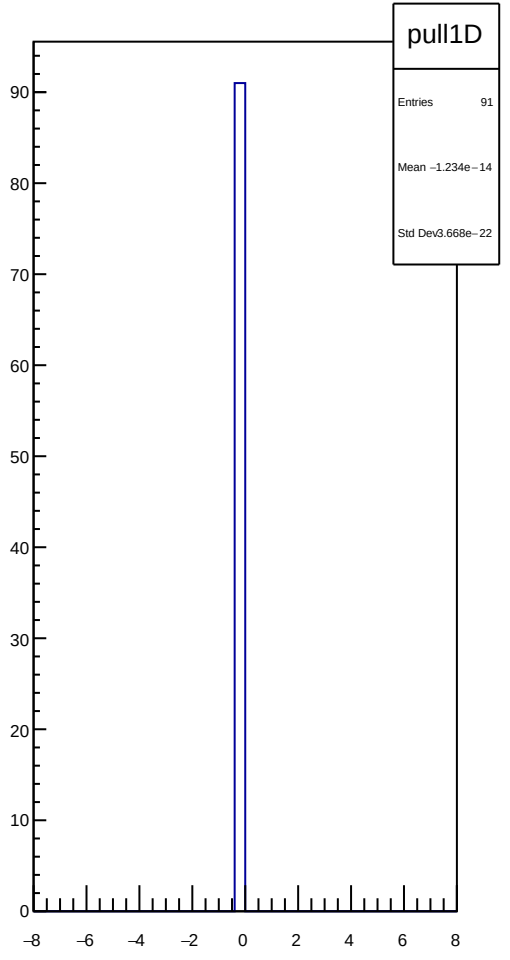

dit_usl_4eX_slope vs run
χ^2 / ndf 9.217e−27 / 90
p0 44.13 ± 0.148
45.5
45
44.5
44
43.5
43
42.5
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−2
−4
−6
−8
−10

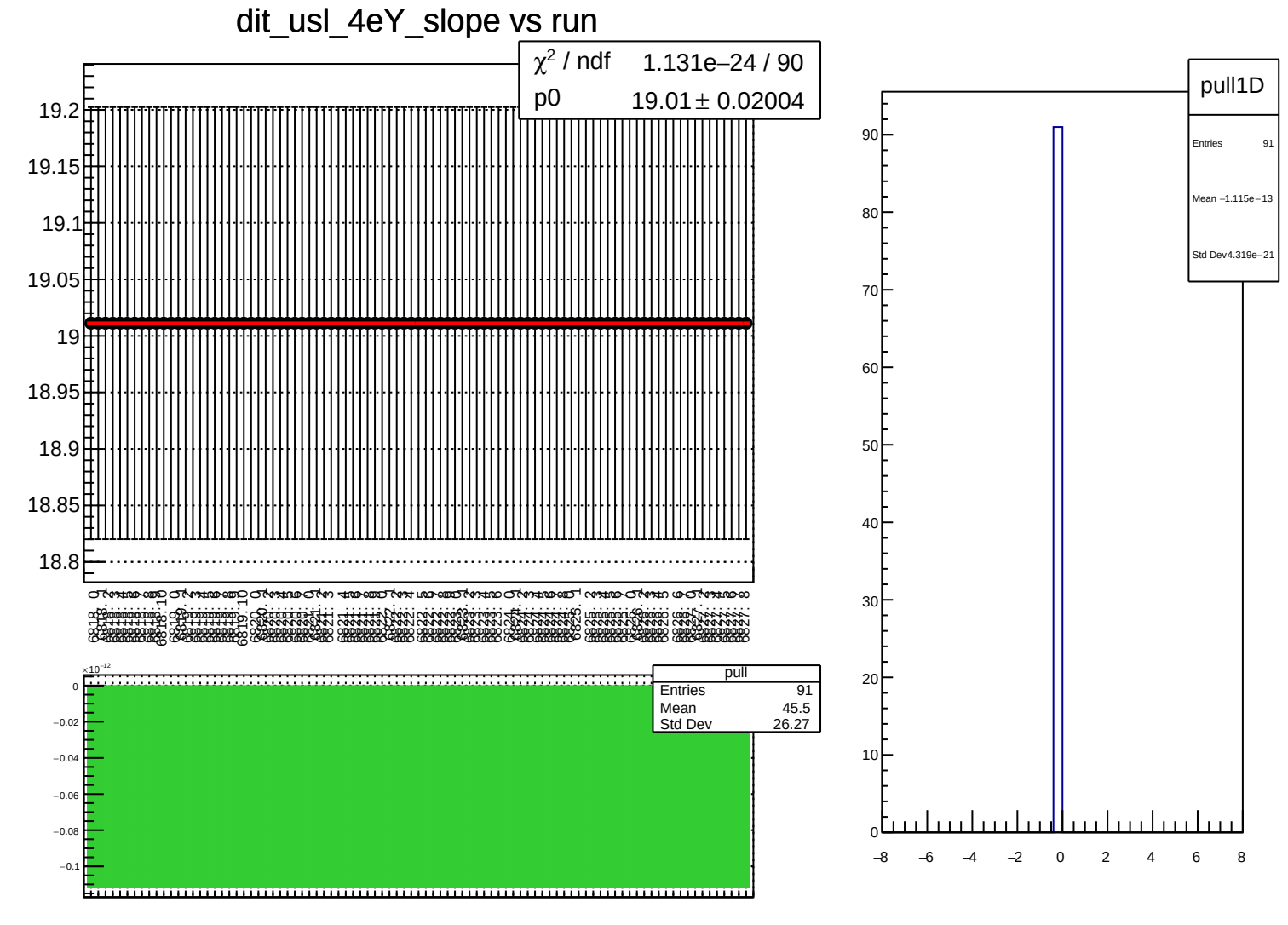

pull1D
Entries 91
Mean −1.006e−14
Std Dev 6.696e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

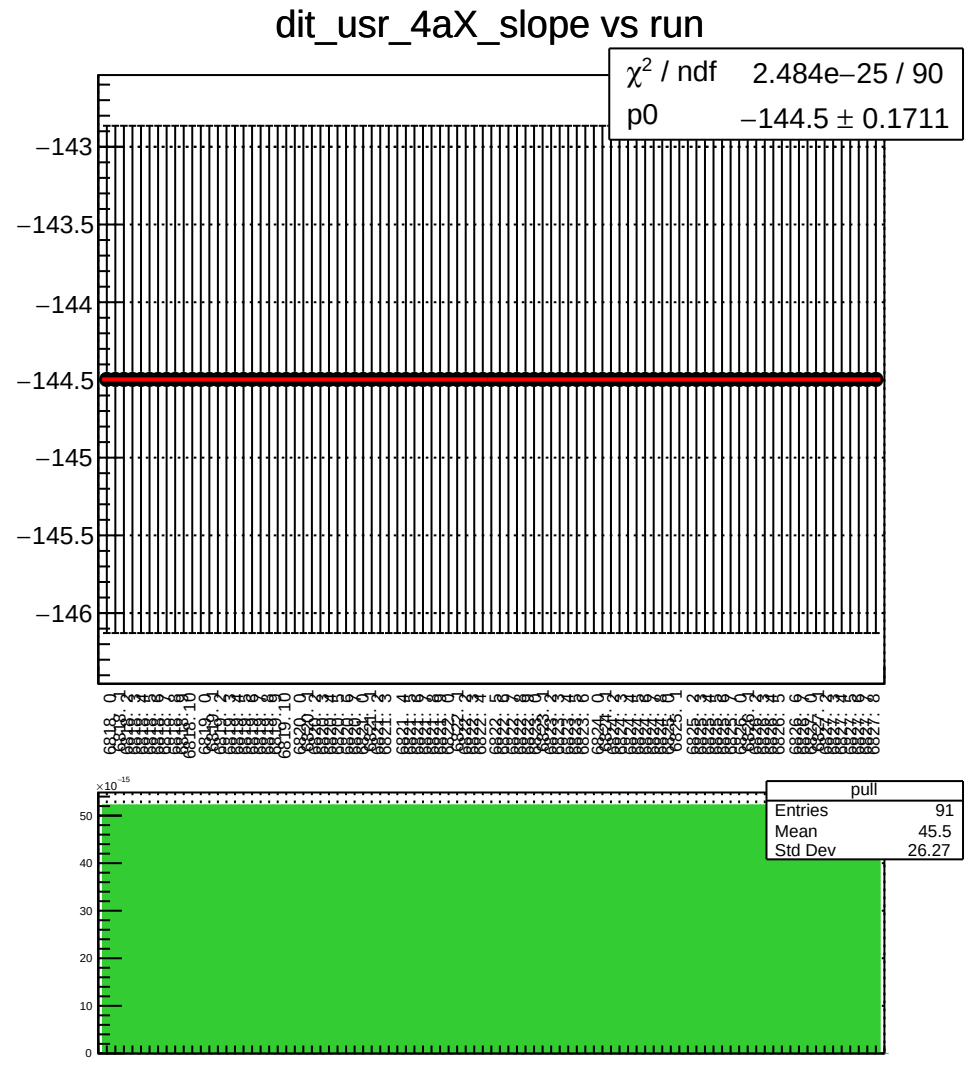

dit_usl_11X12X_slope vs run
χ² / ndf 4.527e−24 / 90
p0 −39.07 ± 0.02004
−38.85
−38.9
−38.95
−39
−39.05
−39.1
−39.15
−39.2
−39.25
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

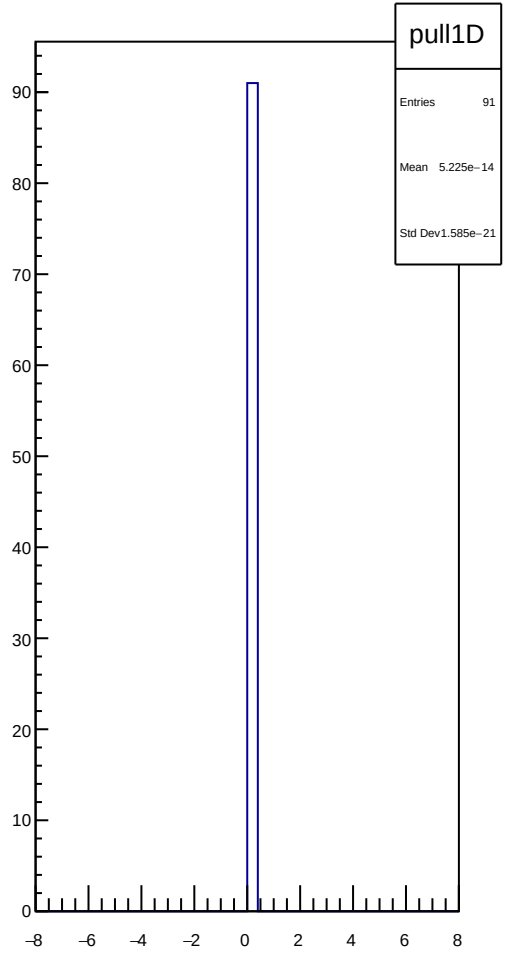

pull1D
Entries 91
Mean 2.23e−13
Std Dev1.355e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

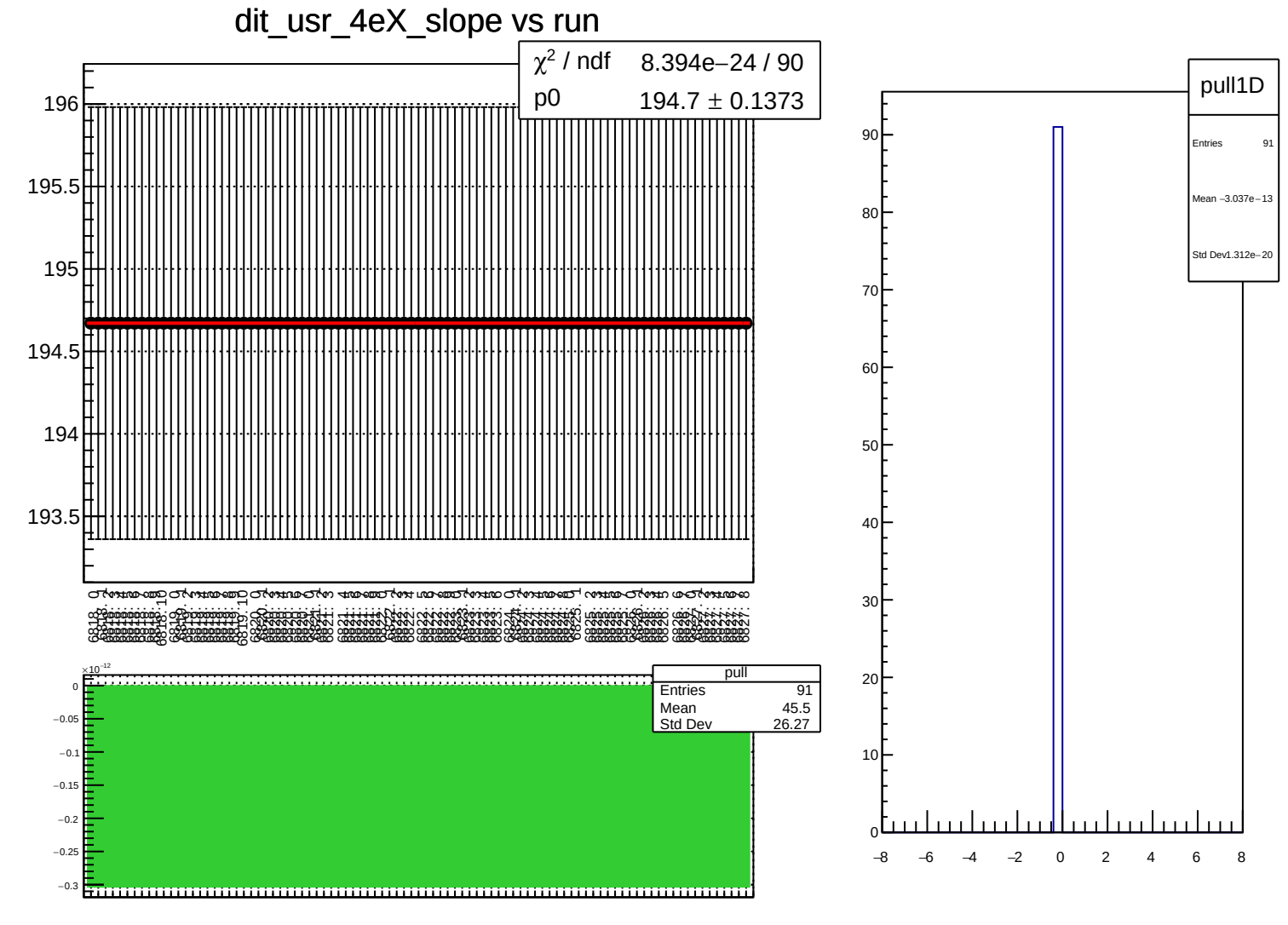

dit_usl_4aY_slope vs run
χ² / ndf 1.385e−26 / 90
p0 0.8698 ± 0.01793
1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

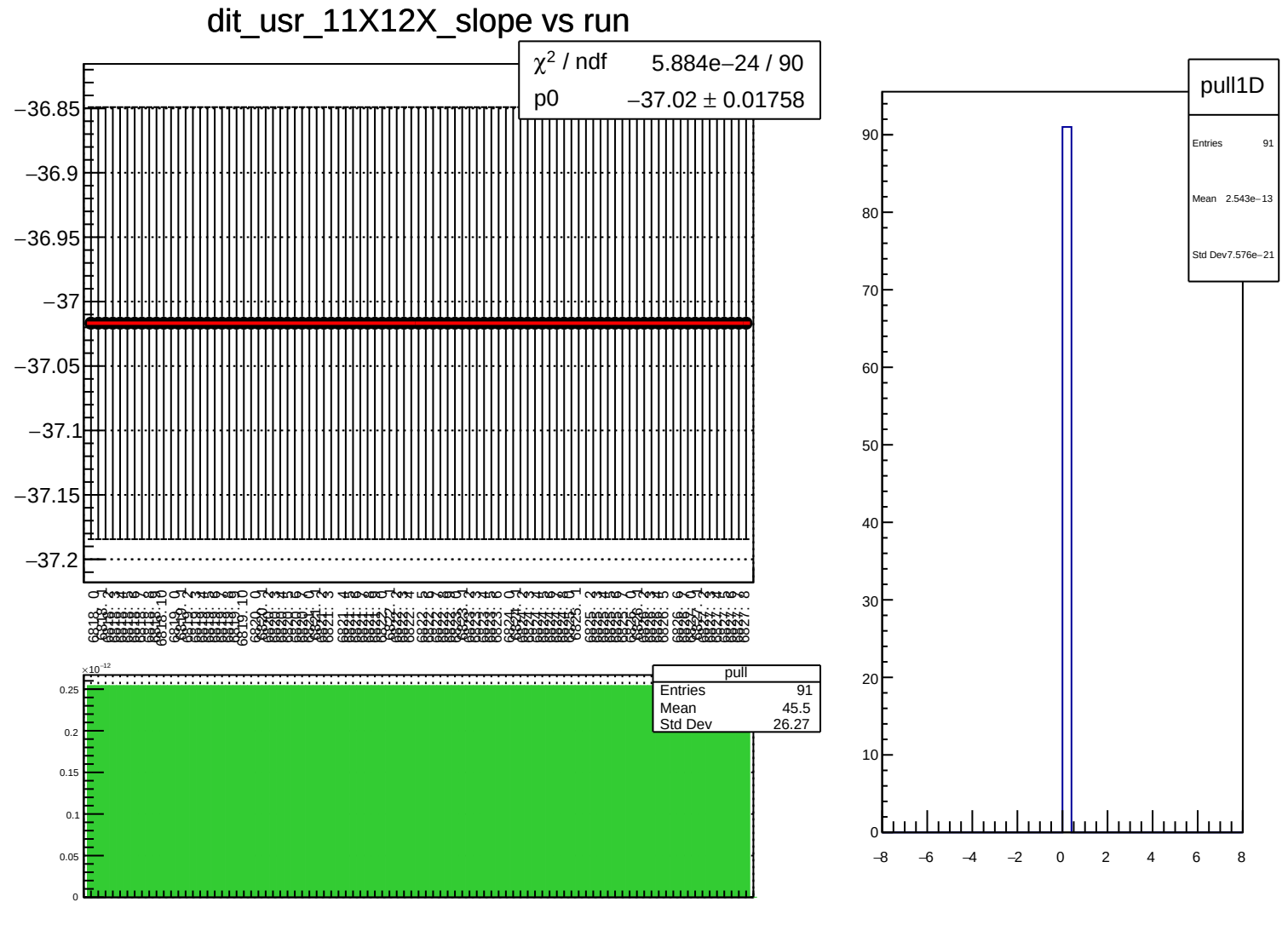

pull1D
Entries 91
Mean −1.234e−14
Std Dev3.668e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

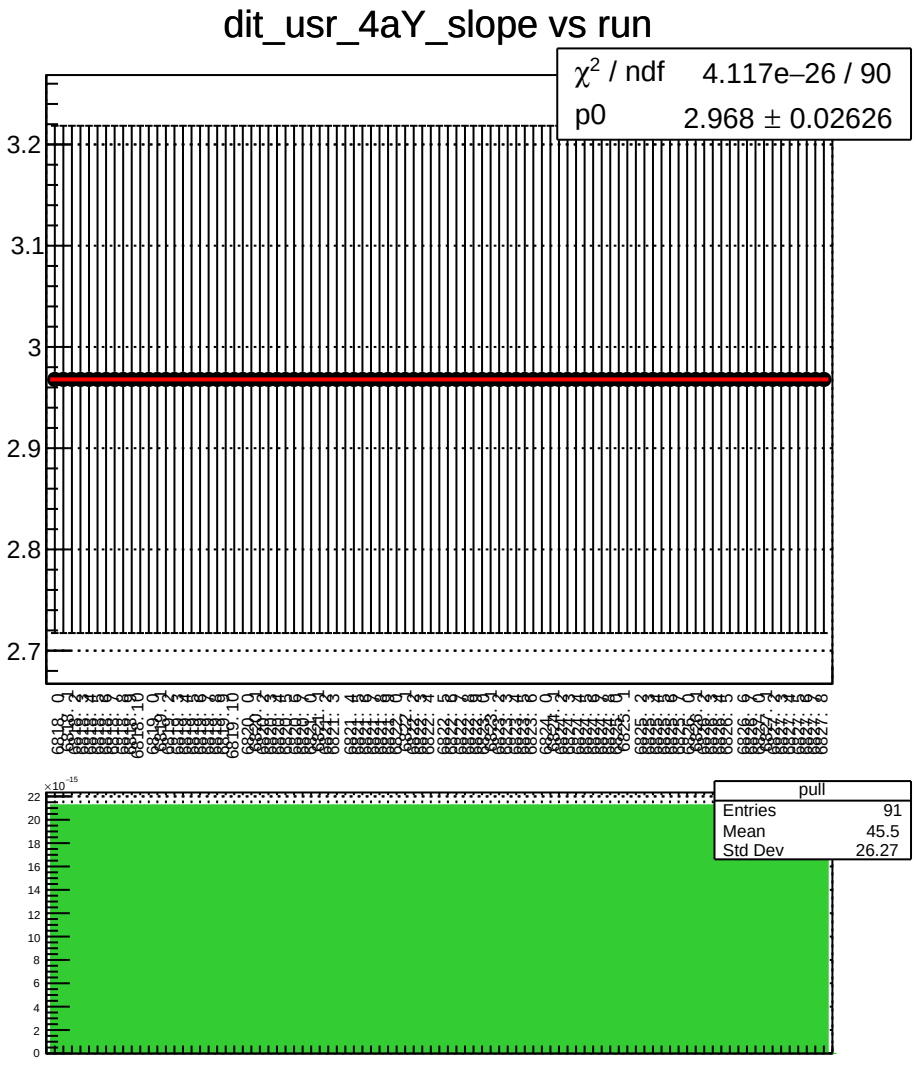

dit_usl_4eY_slope vs run
χ² / ndf 1.131e−24 / 90
p0 19.01 ± 0.02004
pull
Entries 91
Mean 45.5
Std Dev 26.27
pull1D
Entries 91
Mean −1.115e−13
Std Dev4.319e−21

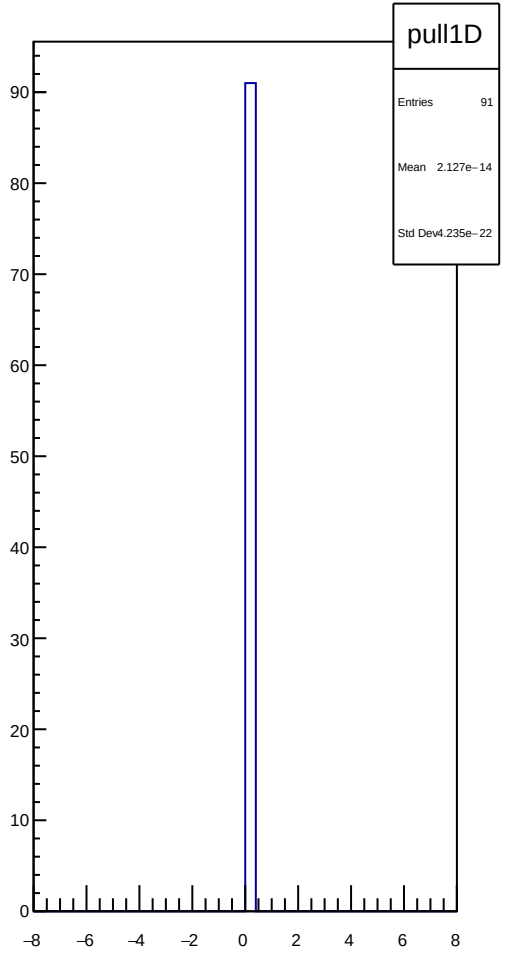

dit_usr_4aX_slope vs run
χ² / ndf 2.484e−25 / 90
p0 −144.5 ± 0.1711
−143
−143.5
−144
−144.5
−145
−145.5
−146
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
50
40
30
20
10
0

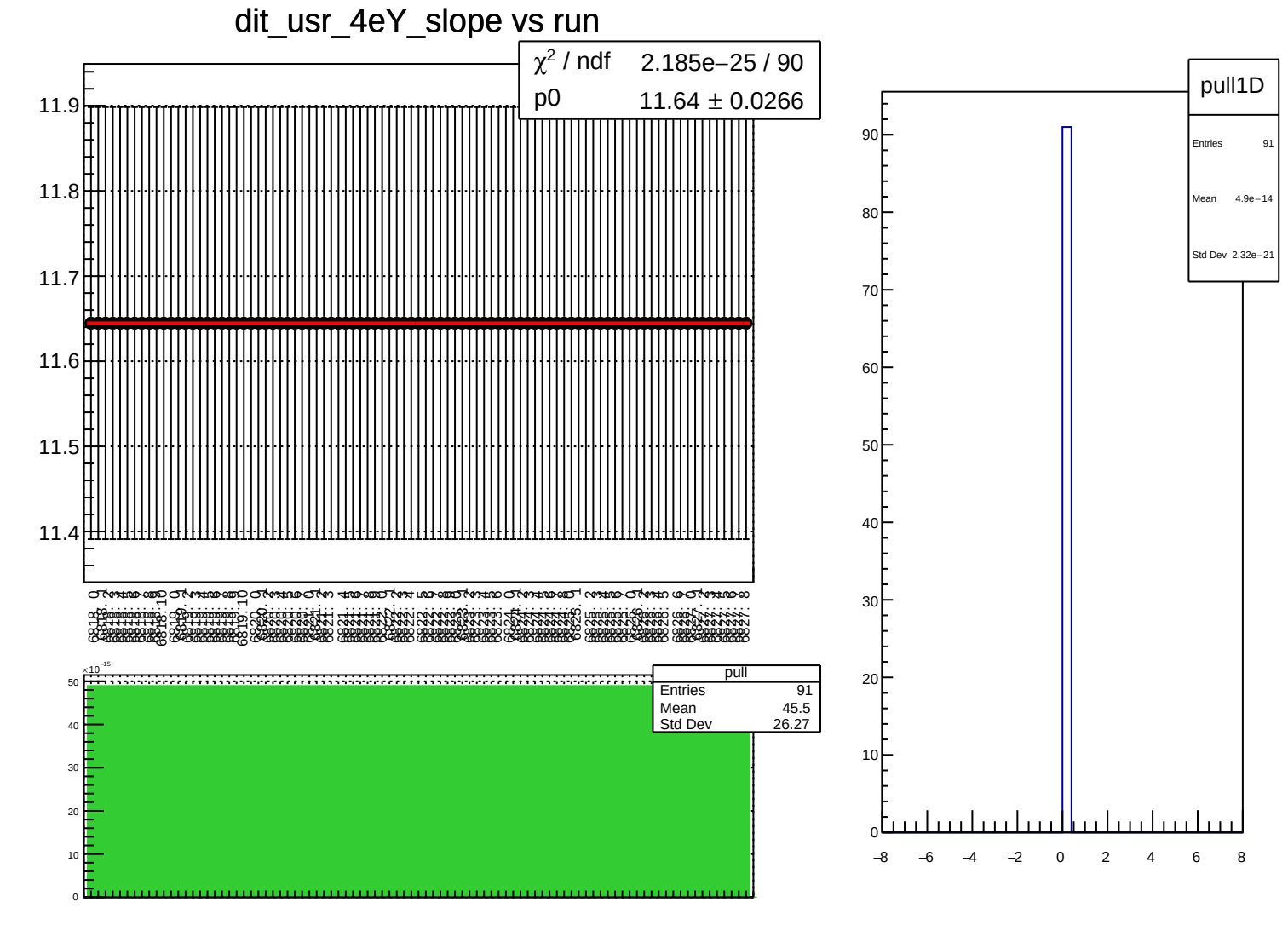

pull1D
Entries 91
Mean 5.225e−14
Std Dev1.585e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

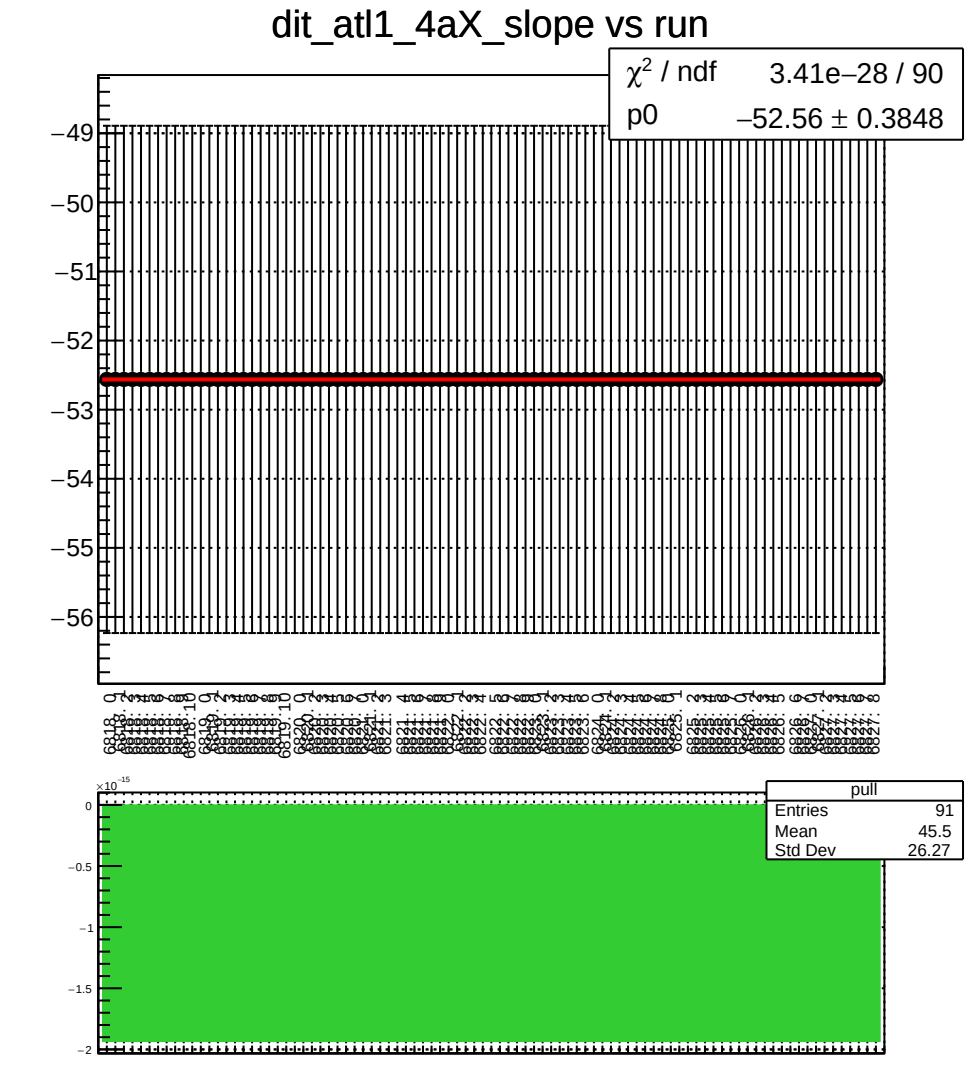

dit_usr_4eX_slope vs run
χ² / ndf 8.394e−24 / 90
p0 194.7 ± 0.1373
196
195.5
195
194.5
194
193.5
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 91
Mean −3.037e−13
Std Dev1.312e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

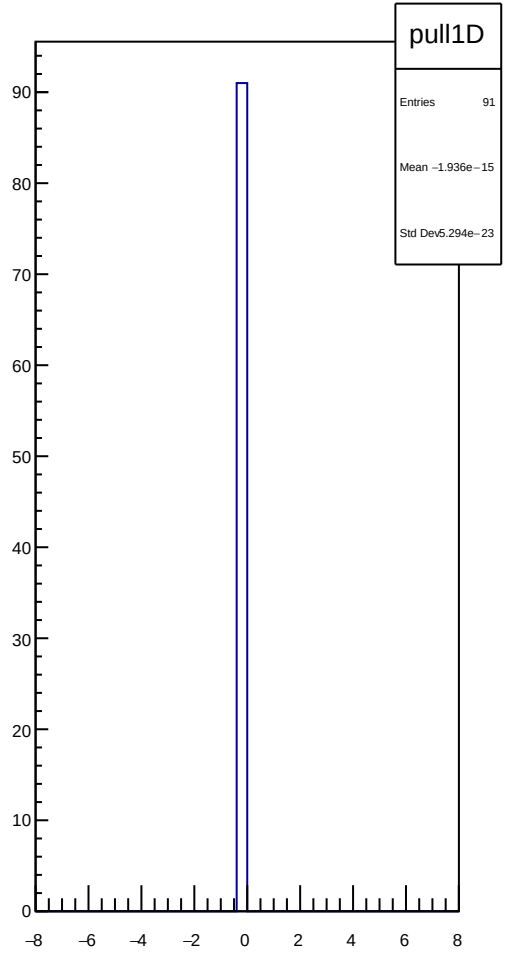

dit_usr_11X12X_slope vs run
χ² / ndf 5.884e−24 / 90
p0 −37.02 ± 0.01758
−36.85
−36.9
−36.95
−37
−37.05
−37.1
−37.15
−37.2
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 91
Mean 2.543e−13
Std Dev7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

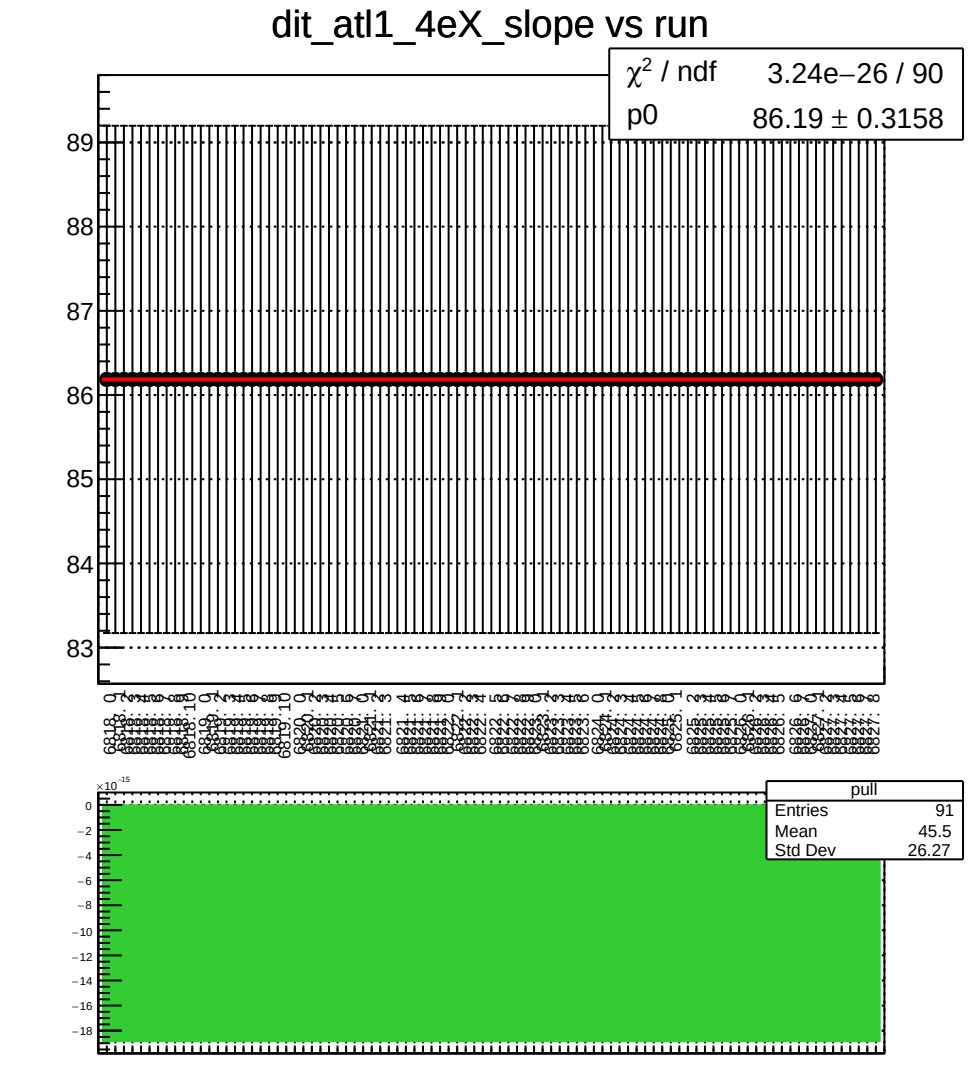

dit_usr_4aY_slope vs run
χ² / ndf 4.117e−26 / 90
p0 2.968 ± 0.02626
3.2
3.1
3
2.9
2.8
2.7
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

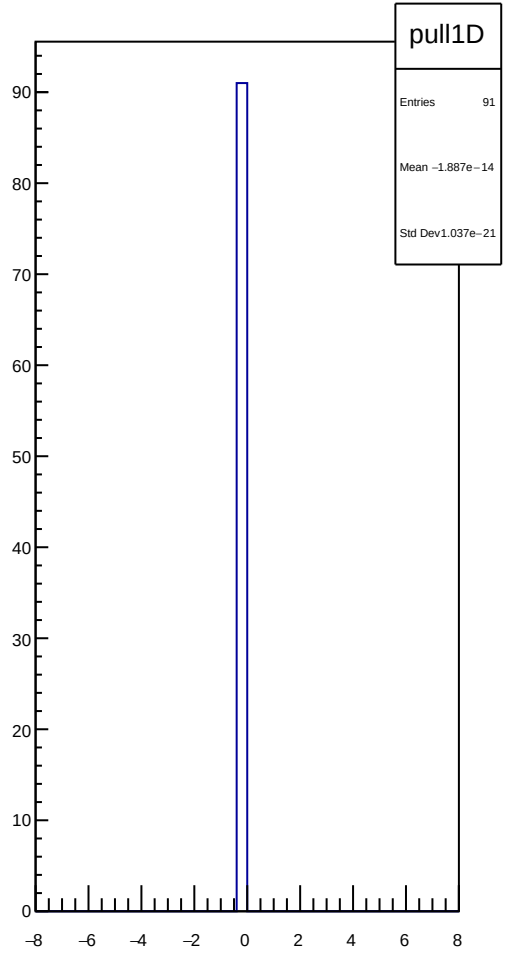

pull1D
Entries 91
Mean 2.127e−14
Std Dev 4.235e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

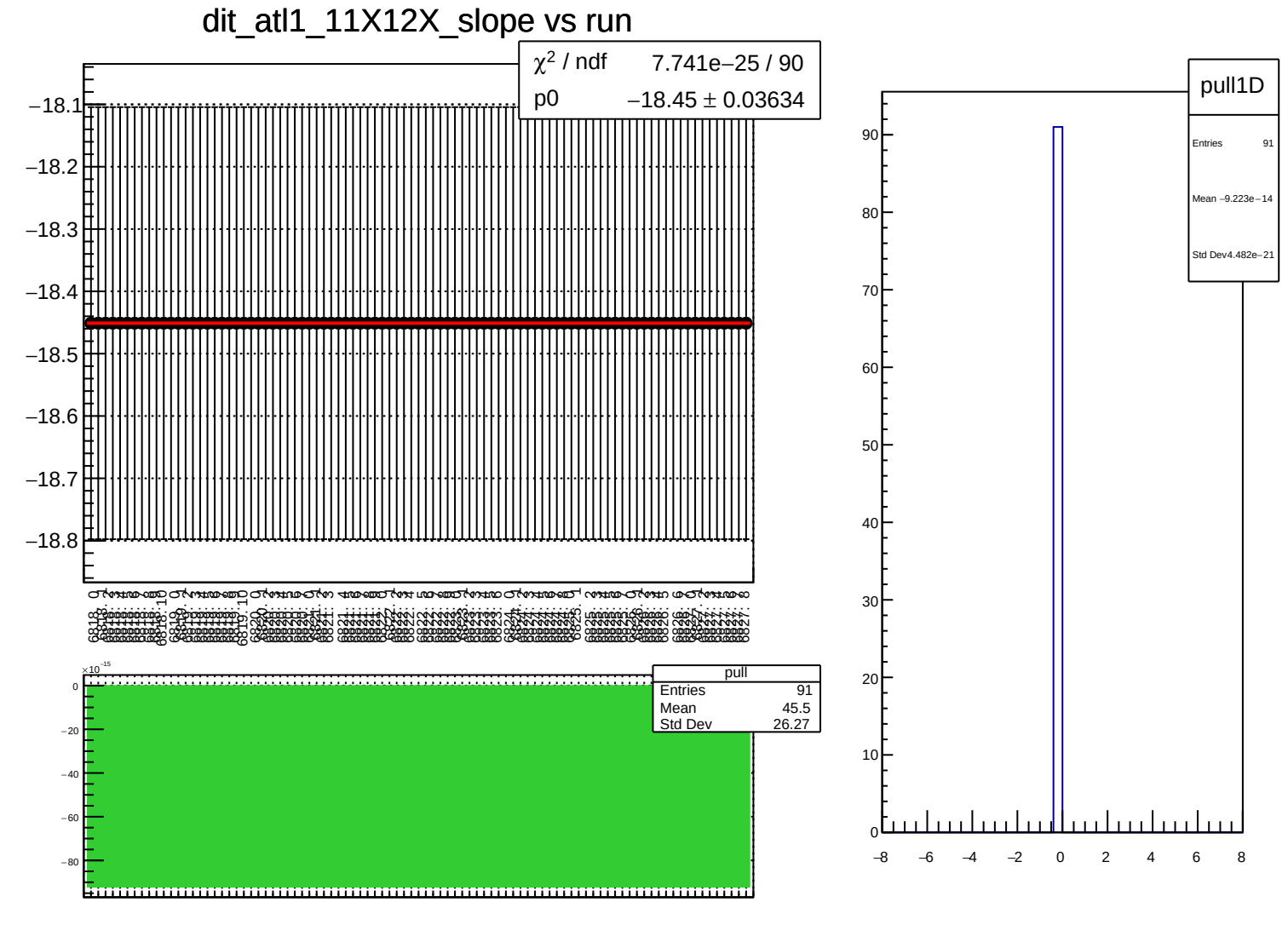

dit_usr_4eY_slope vs run
χ² / ndf 2.185e−25 / 90
p0 11.64 ± 0.0266
11.9
11.8
11.7
11.6
11.5
11.4
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 91
Mean 4.9e−14
Std Dev 2.32e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

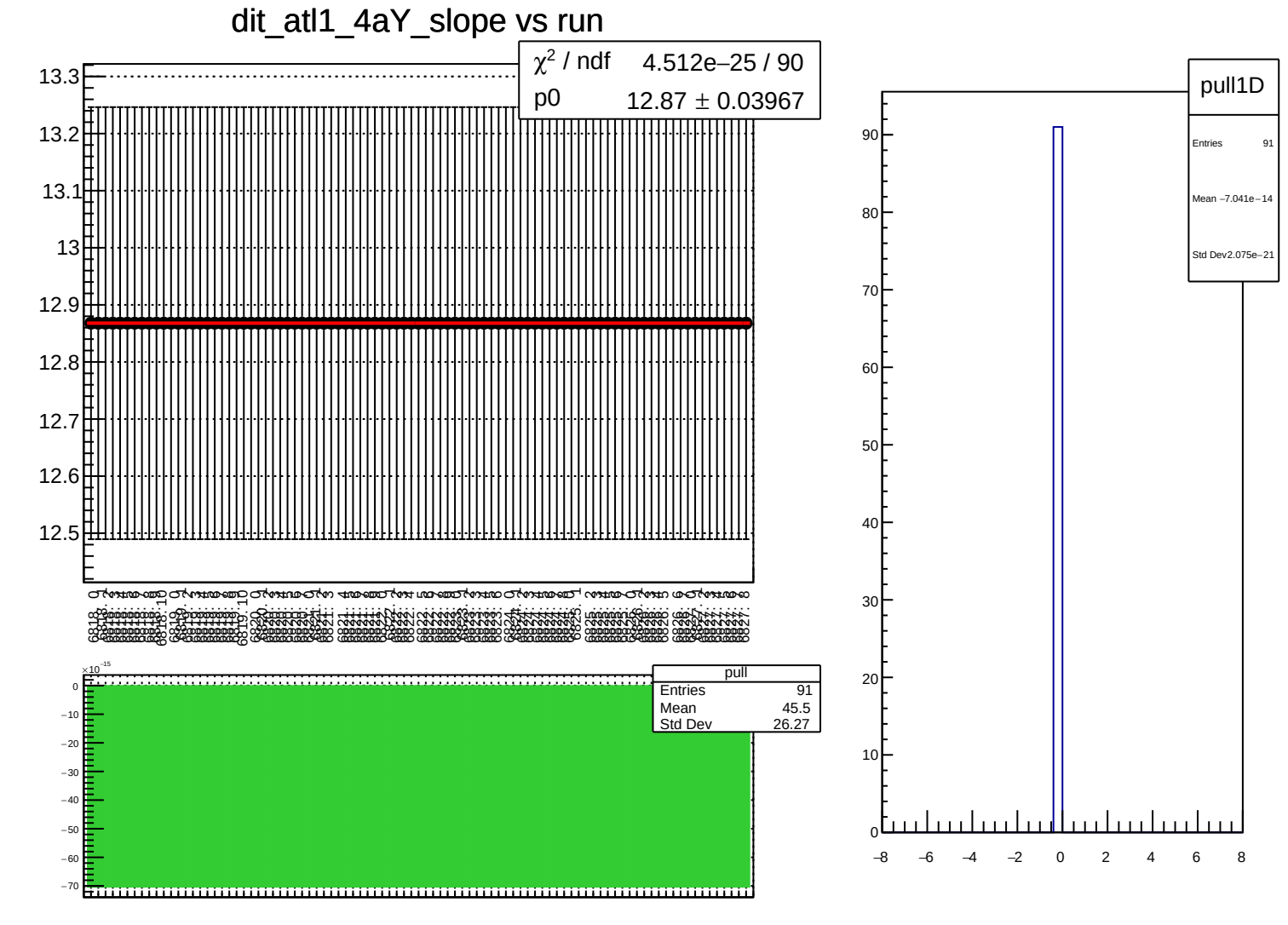

dit_atl1_4aX_slope vs run
χ² / ndf 3.41e−28 / 90
p0 −52.56 ± 0.3848
−49
−50
−51
−52
−53
−54
−55
−56
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−0.5
−1
−1.5
−2

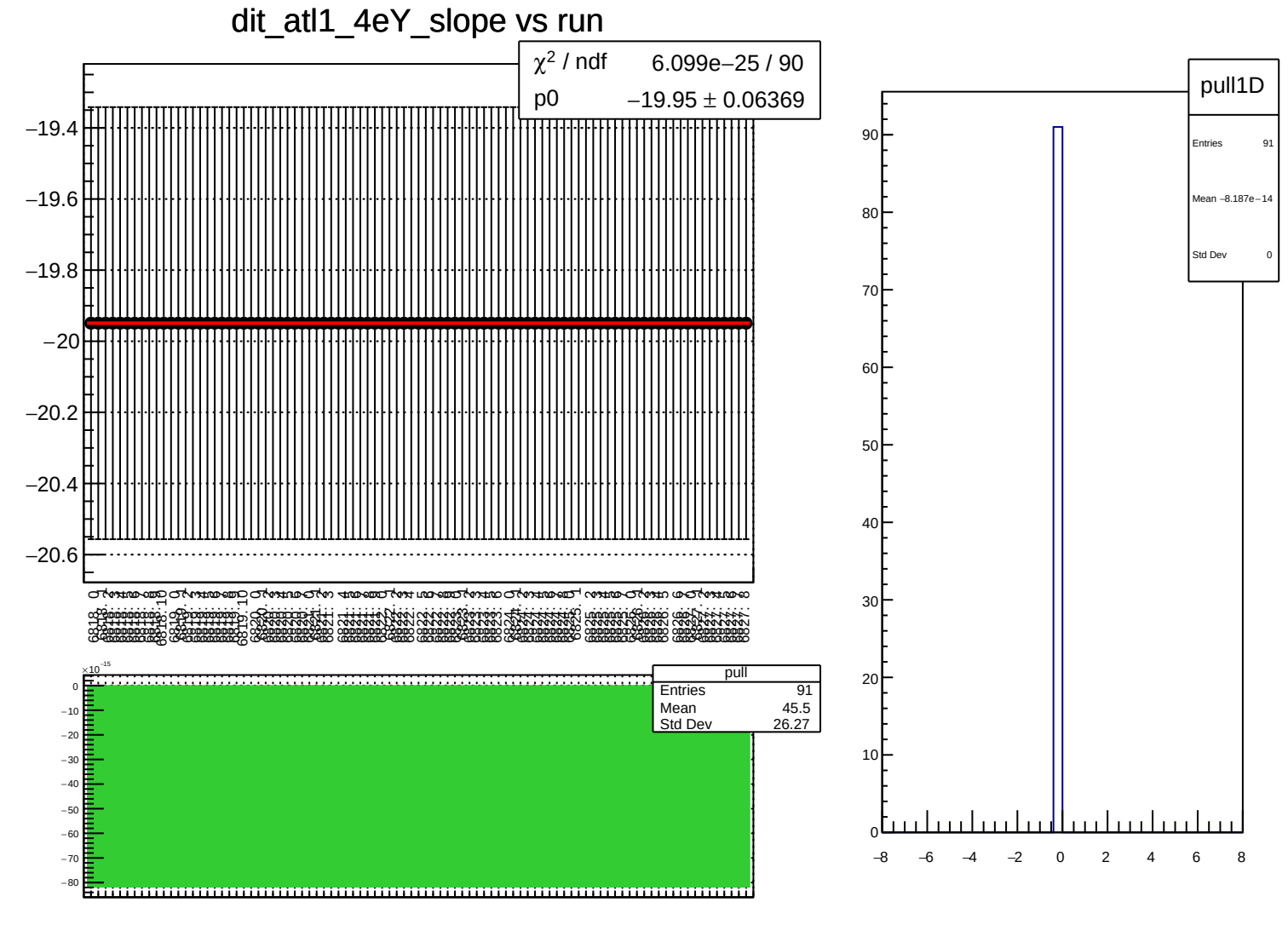

pull1D
Entries 91
Mean −1.936e−15
Std Dev 5.294e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

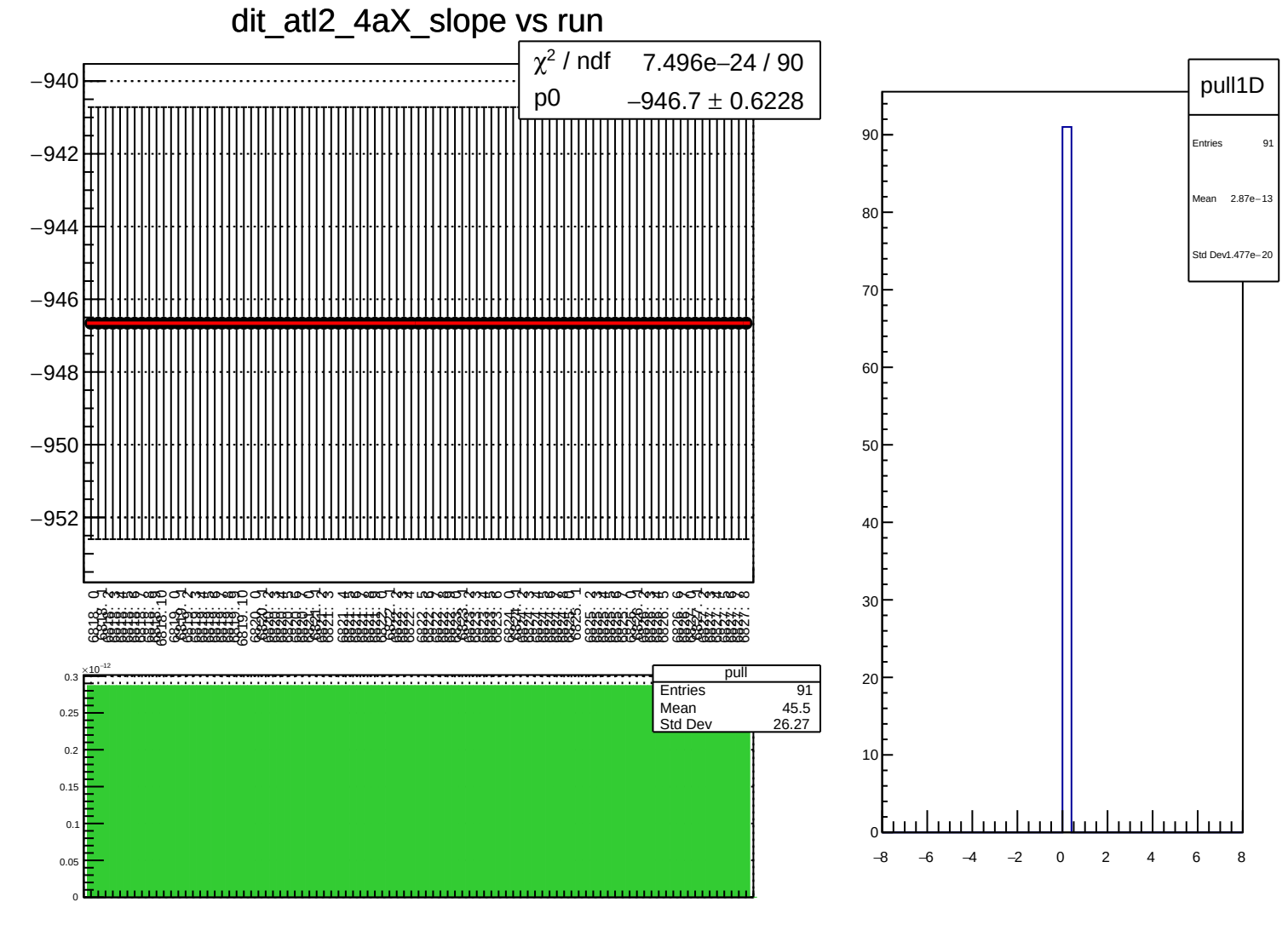

dit_atl1_4eX_slope vs run
χ^2 / ndf 3.24e−26 / 90
p0 86.19 ± 0.3158
89
88
87
86
85
84
83
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

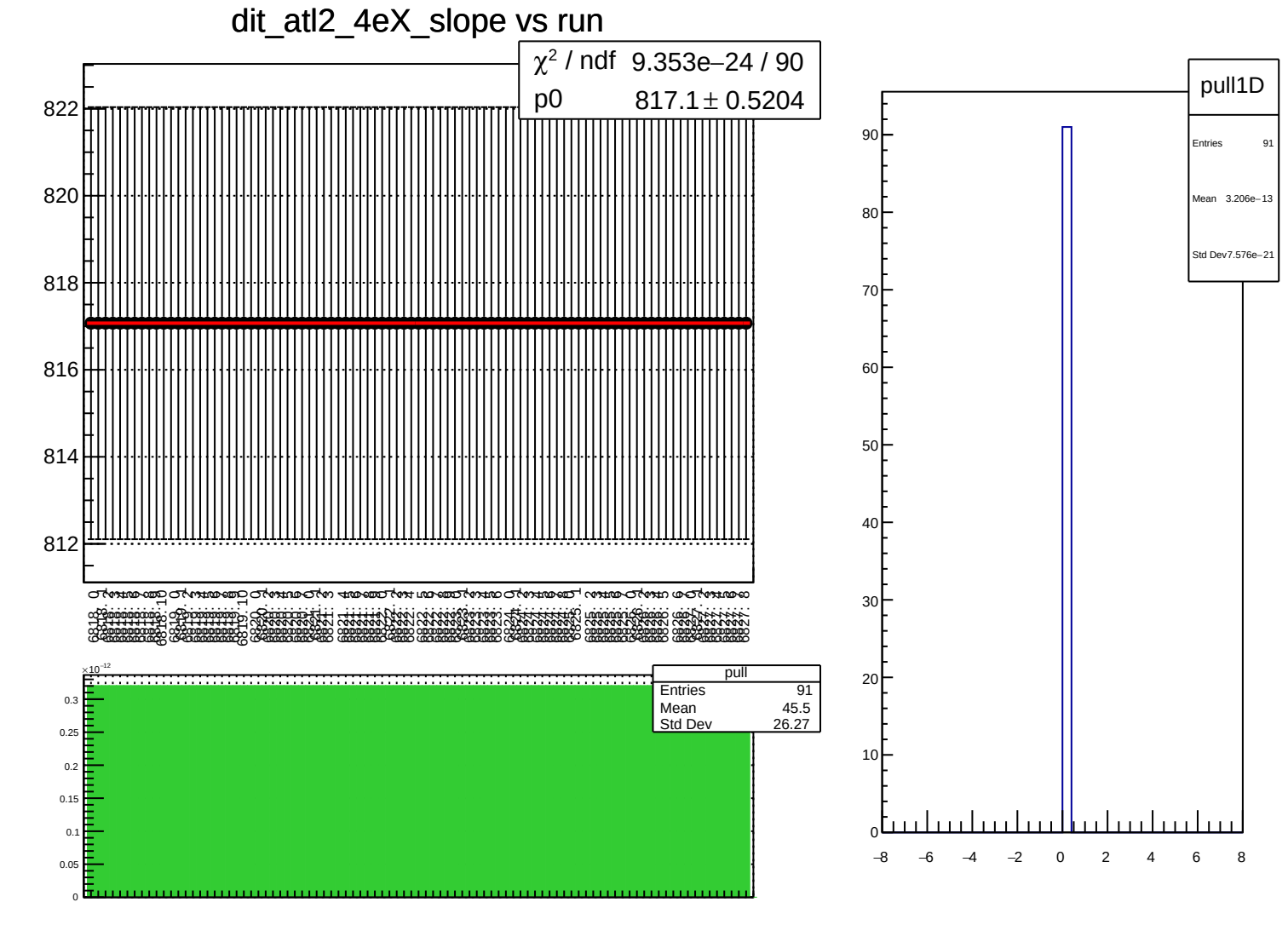

pull1D
Entries 91
Mean −1.887e−14
Std Dev1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

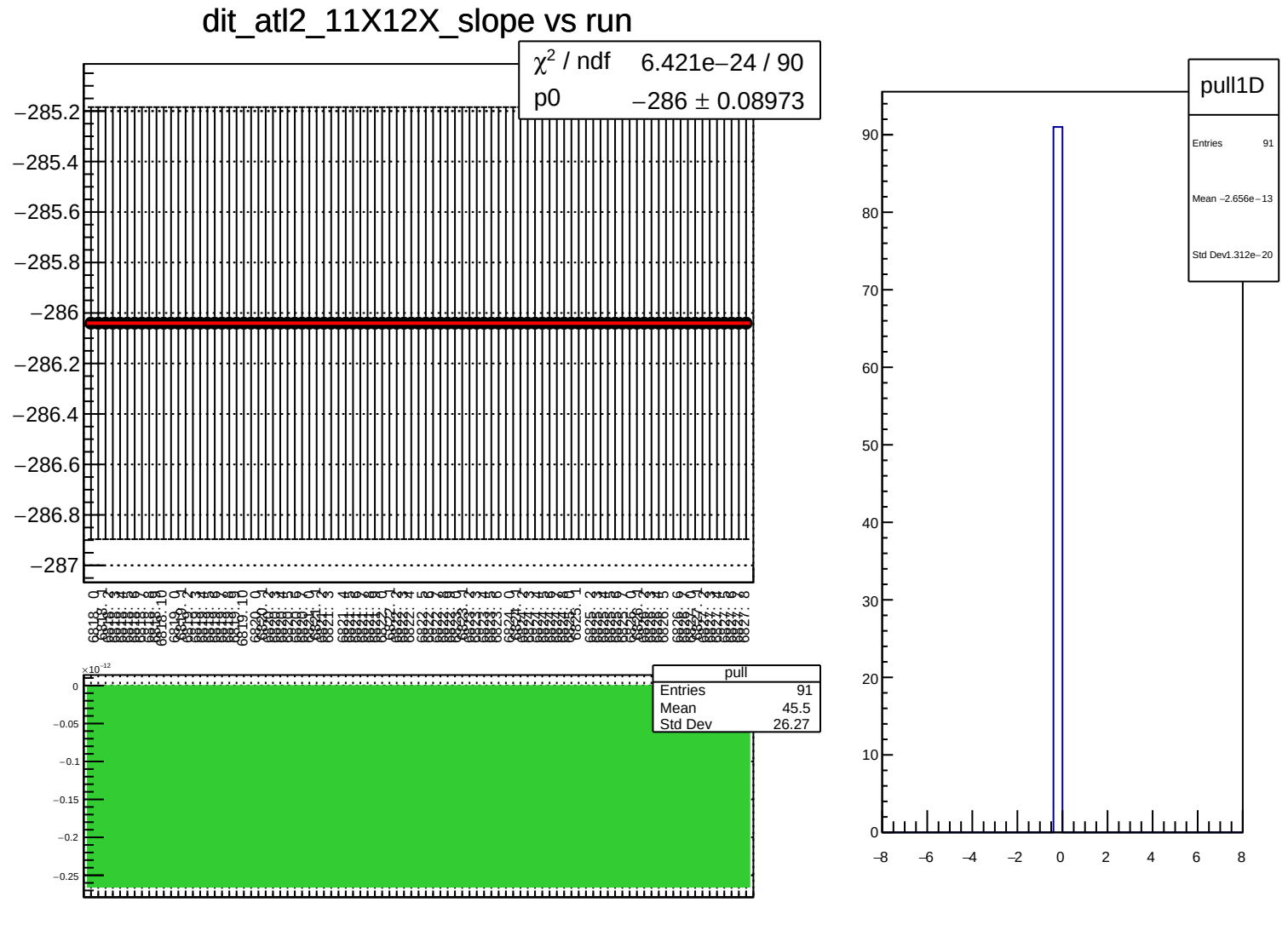

dit_atl1_11X12X_slope vs run
χ² / ndf 7.741e−25 / 90
p0 −18.45 ± 0.03634
−18.1
−18.2
−18.3
−18.4
−18.5
−18.6
−18.7
−18.8
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−20
−40
−60
−80
pull1D
Entries 91
Mean −9.223e−14
Std Dev4.482e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

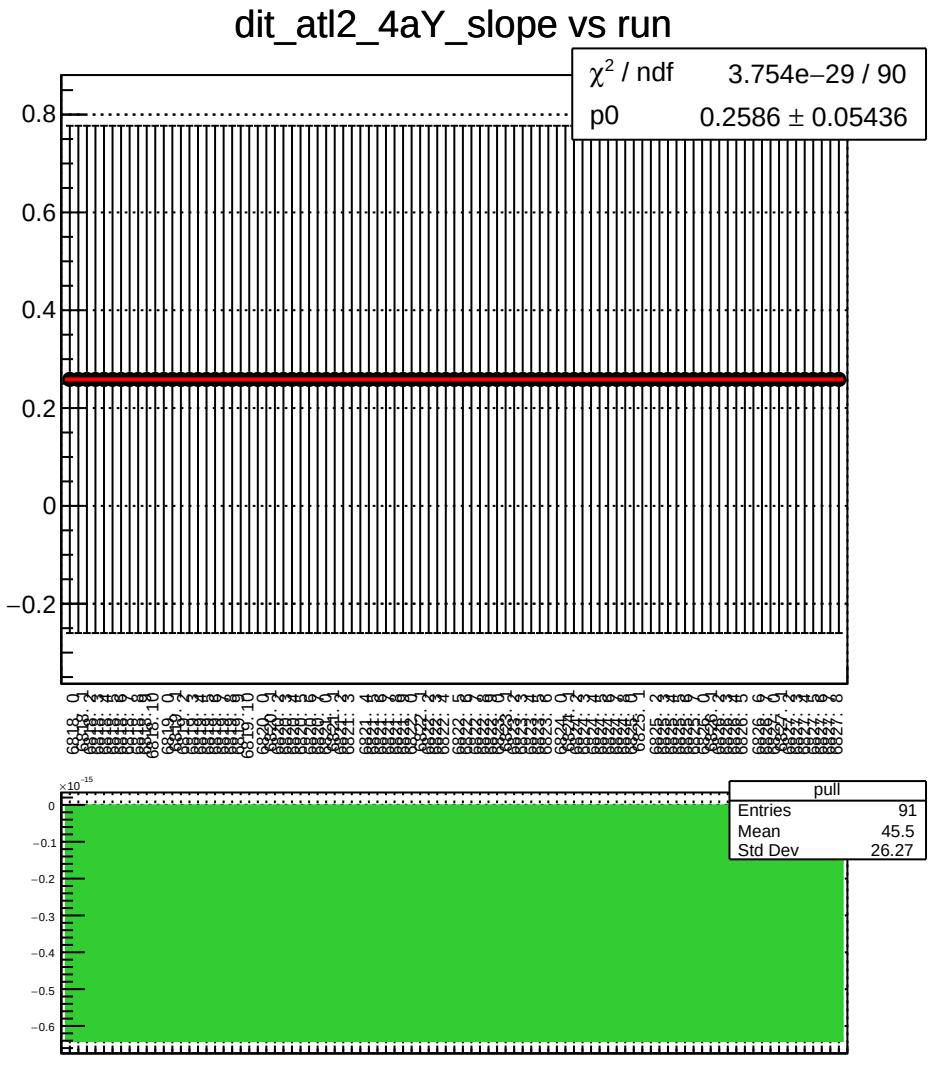

dit_atl1_4aY_slope vs run
χ² / ndf 4.512e−25 / 90
p0 12.87 ± 0.03967
13.3
13.2
13.1
13
12.9
12.8
12.7
12.6
12.5
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 91
Mean −7.041e−14
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

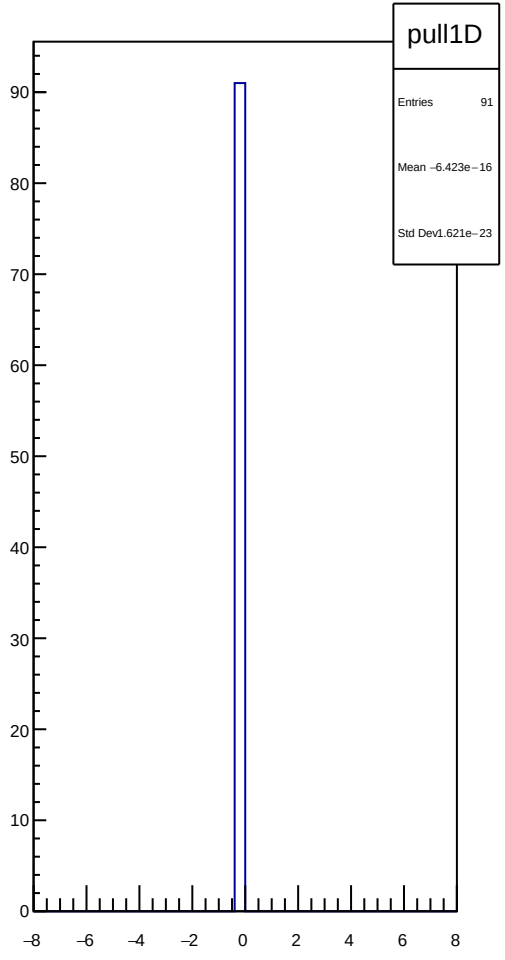

dit_atl1_4eY_slope vs run
χ² / ndf 6.099e−25 / 90
p0 −19.95 ± 0.06369
−19.4
−19.6
−19.8
−20
−20.2
−20.4
−20.6
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 91
Mean −8.187e−14
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

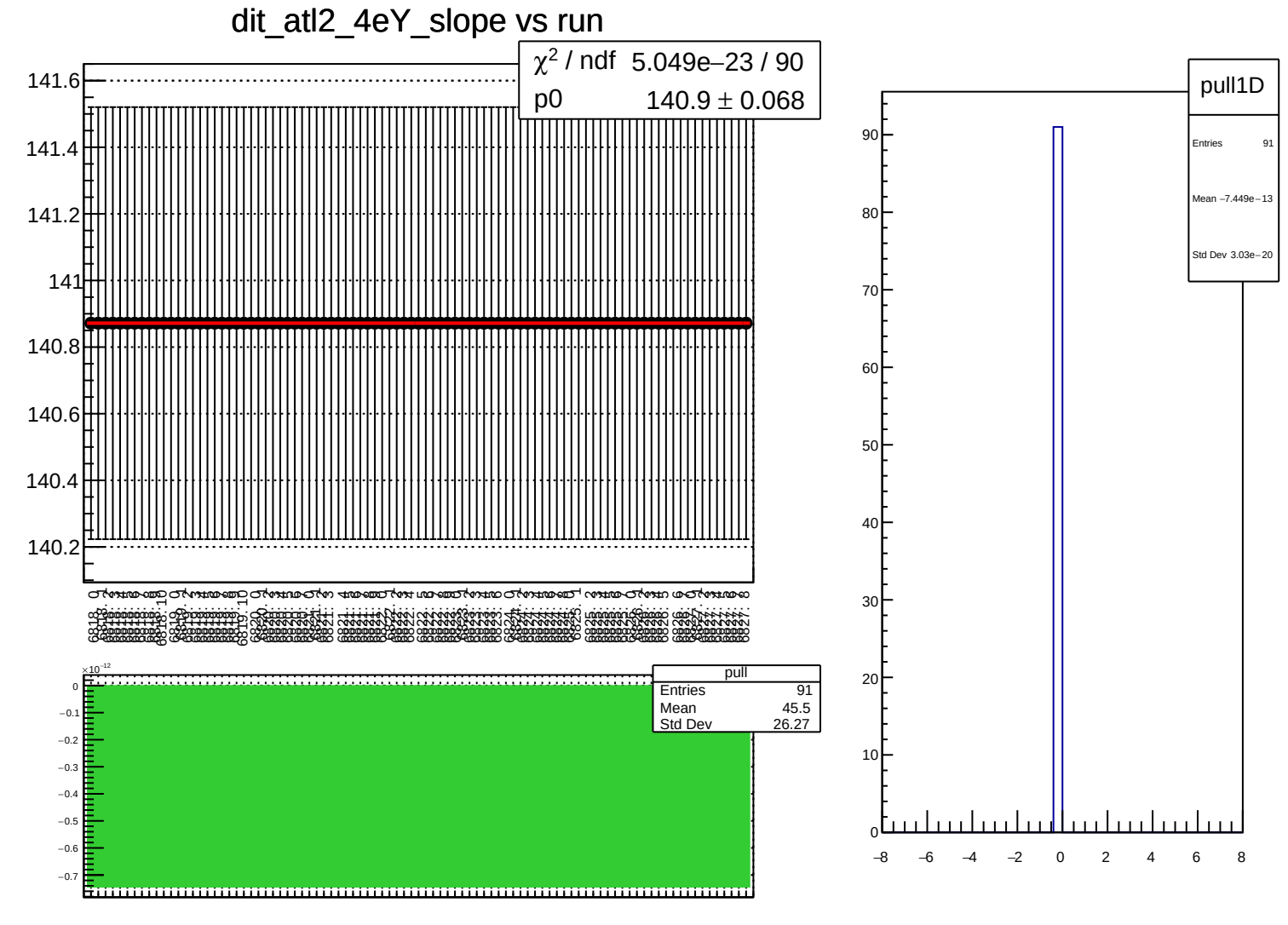

dit_atl2_4aX_slope vs run
χ² / ndf 7.496e−24 / 90
p0 −946.7 ± 0.6228
−940
−942
−944
−946
−948
−950
−952
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 91
Mean 2.87e−13
Std Dev1.477e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

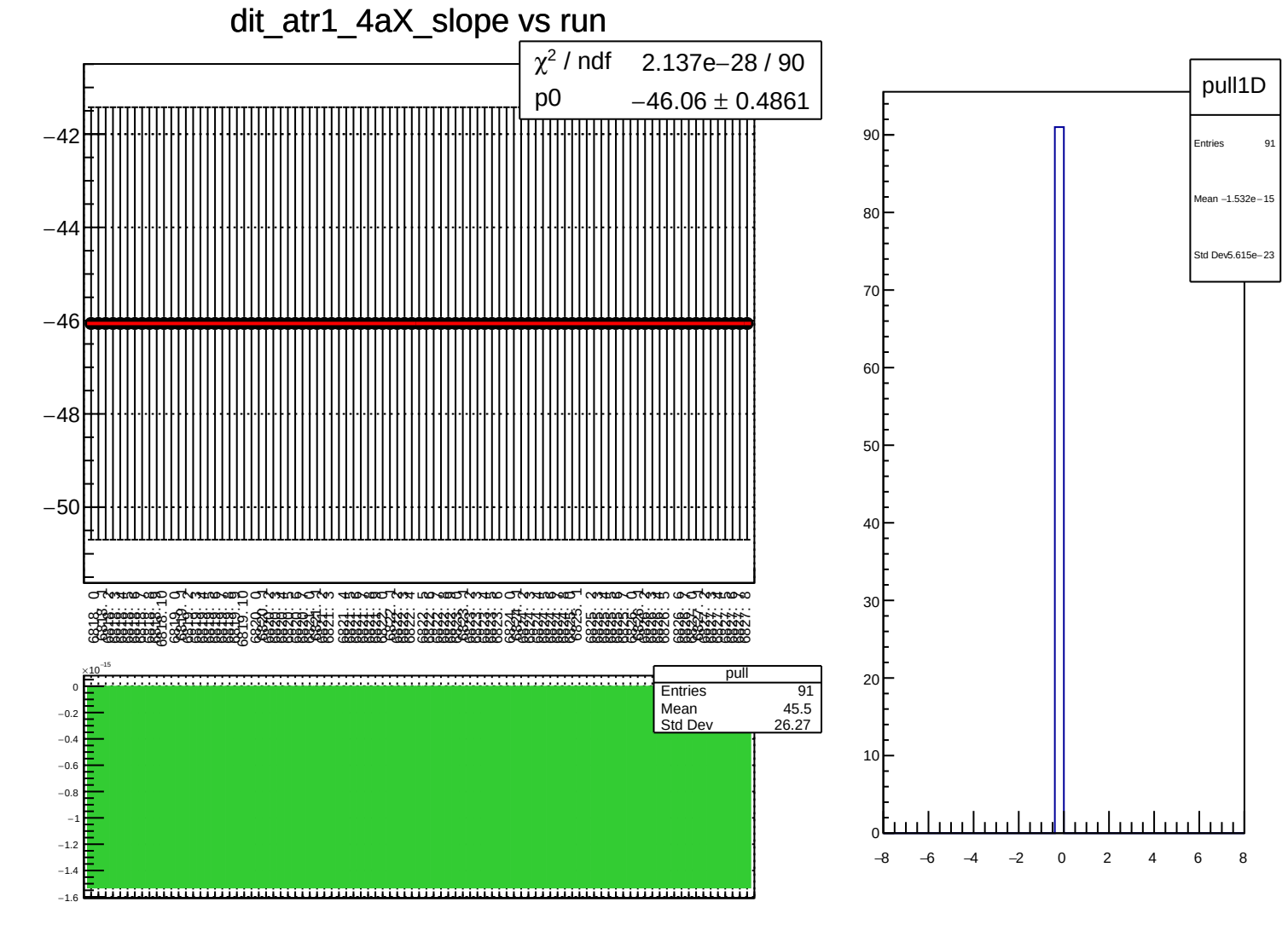

dit_atl2_4eX_slope vs run
χ² / ndf 9.353e−24 / 90
p0 817.1 ± 0.5204
822
820
818
816
814
812
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 91
Mean 3.206e−13
Std Dev7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

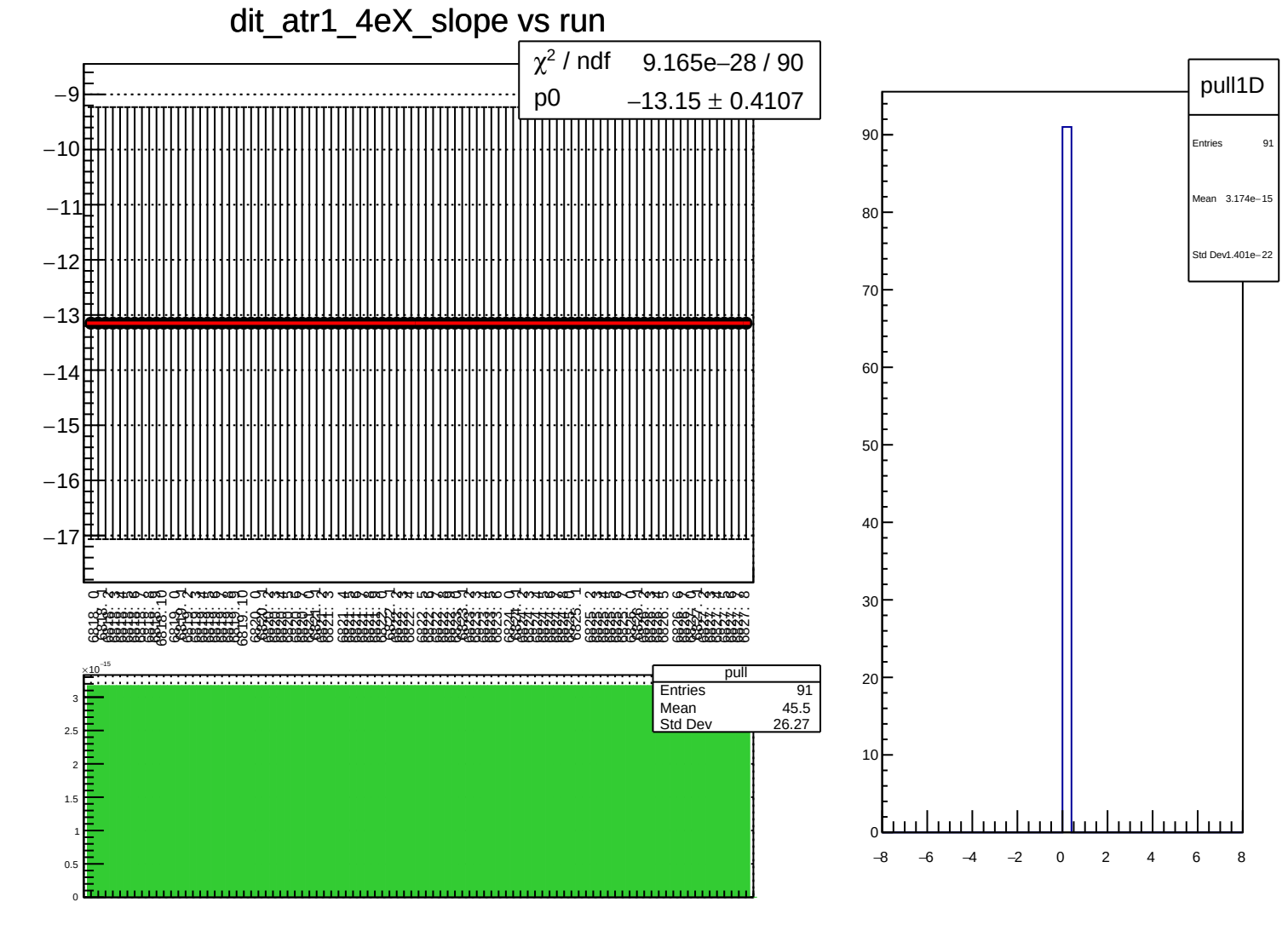

dit_atl2_11X12X_slope vs run
χ² / ndf 6.421e−24 / 90
p0 −286 ± 0.08973
−285.2
−285.4
−285.6
−285.8
−286
−286.2
−286.4
−286.6
−286.8
−287
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 91
Mean −2.656e−13
Std Dev1.312e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

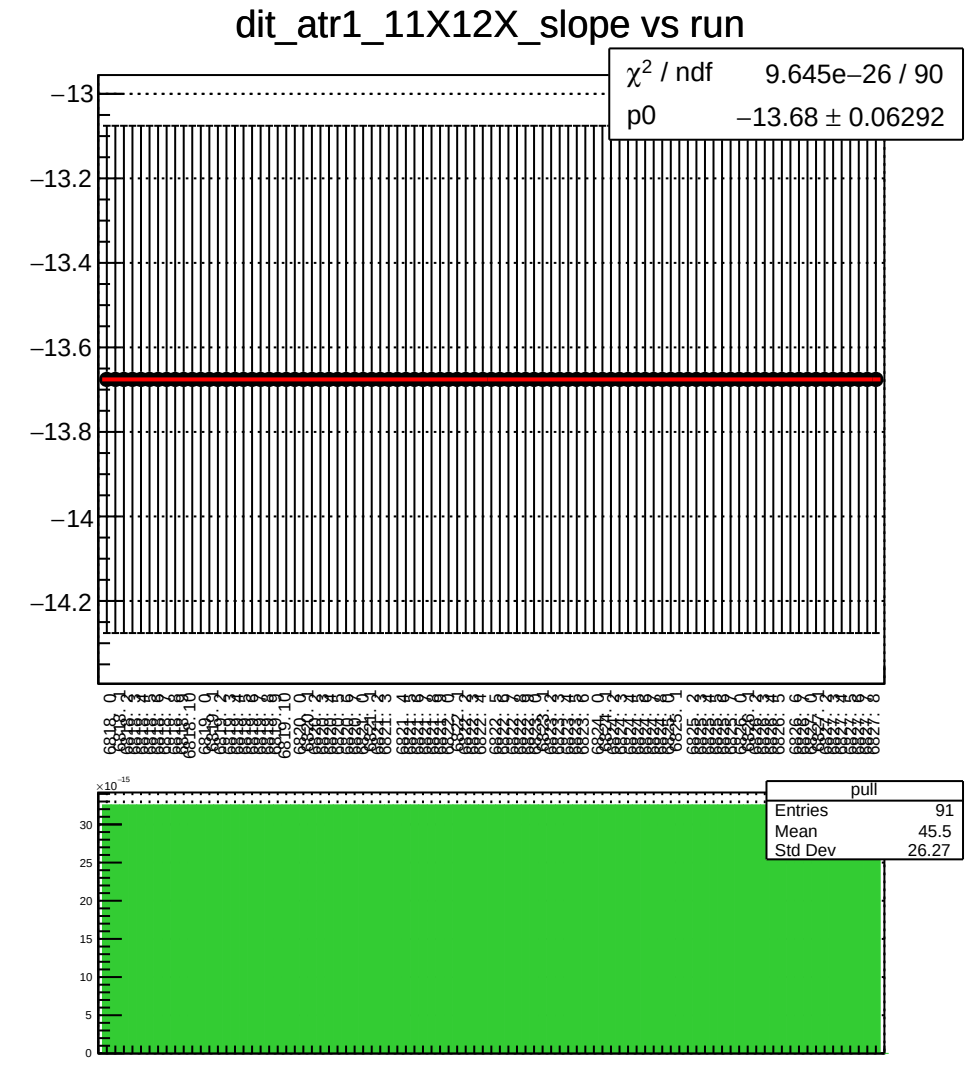

dit_atl2_4aY_slope vs run
χ² / ndf 3.754e−29 / 90
p0 0.2586 ± 0.05436
pull
Entries 91
Mean 45.5
Std Dev 26.27

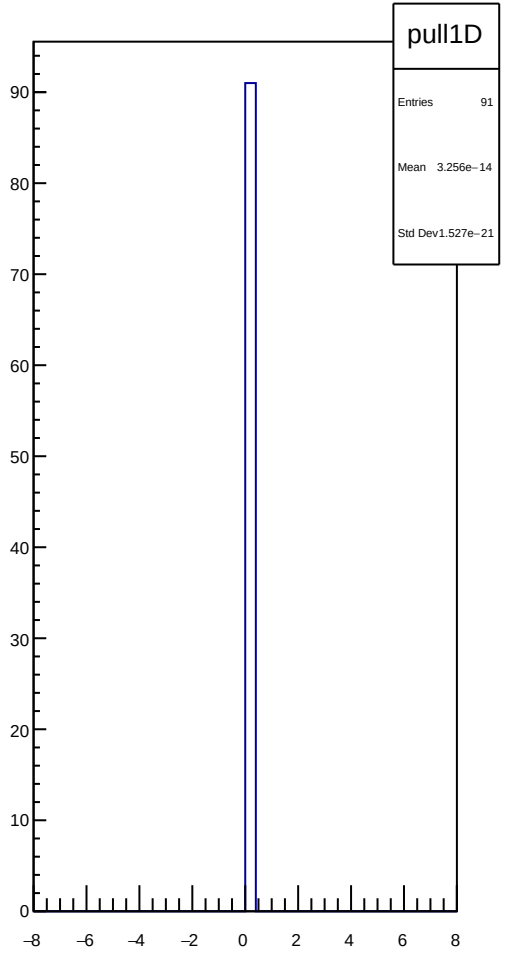

pull1D
Entries 91
Mean −6.423e−16
Std Dev1.621e−23

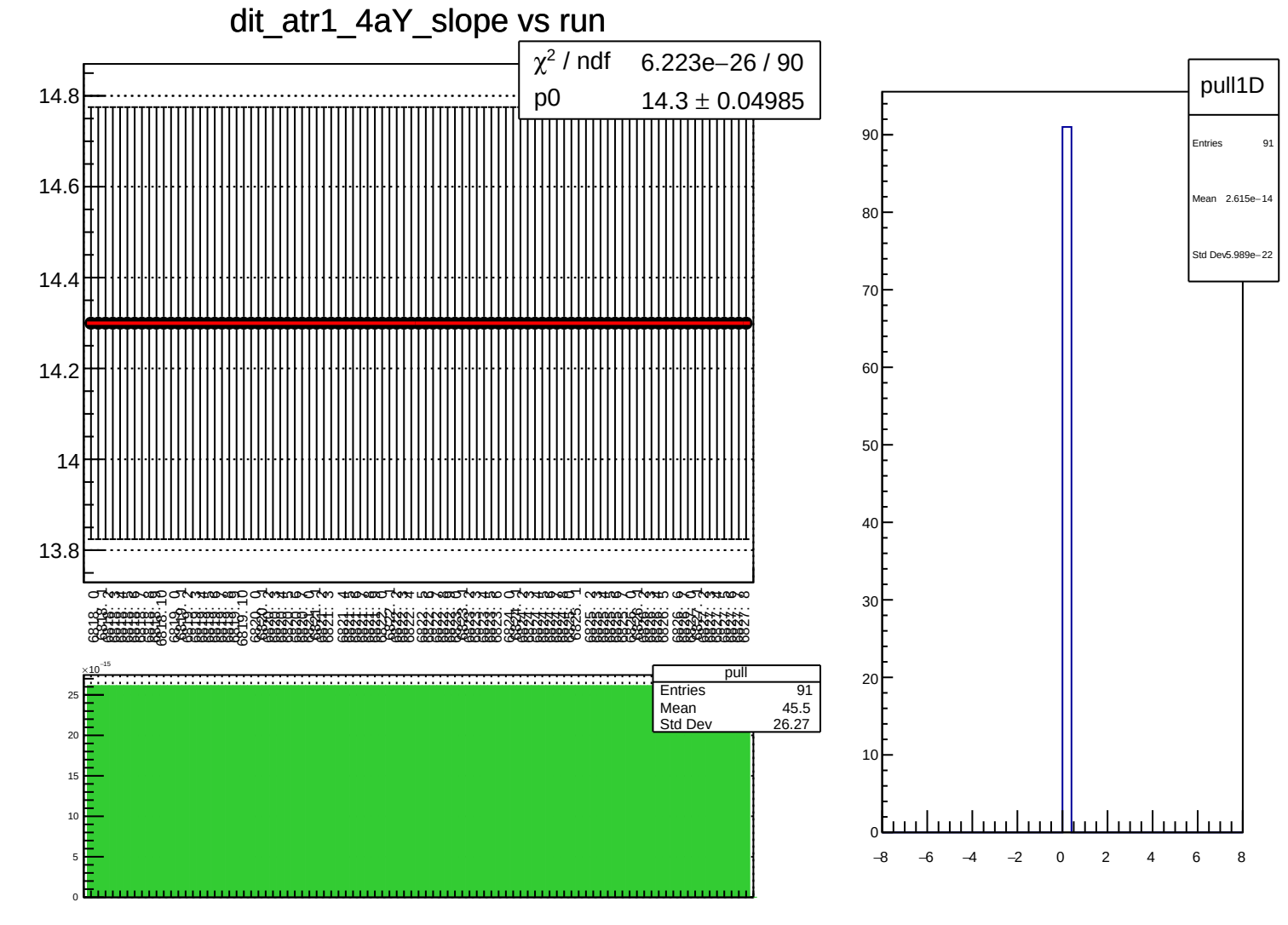

dit_atl2_4eY_slope vs run
χ^2 / ndf 5.049e−23 / 90
p0 140.9 ± 0.068
141.6
141.4
141.2
141
140.8
140.6
140.4
140.2
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull1D
Entries 91
Mean −7.449e−13
Std Dev 3.03e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

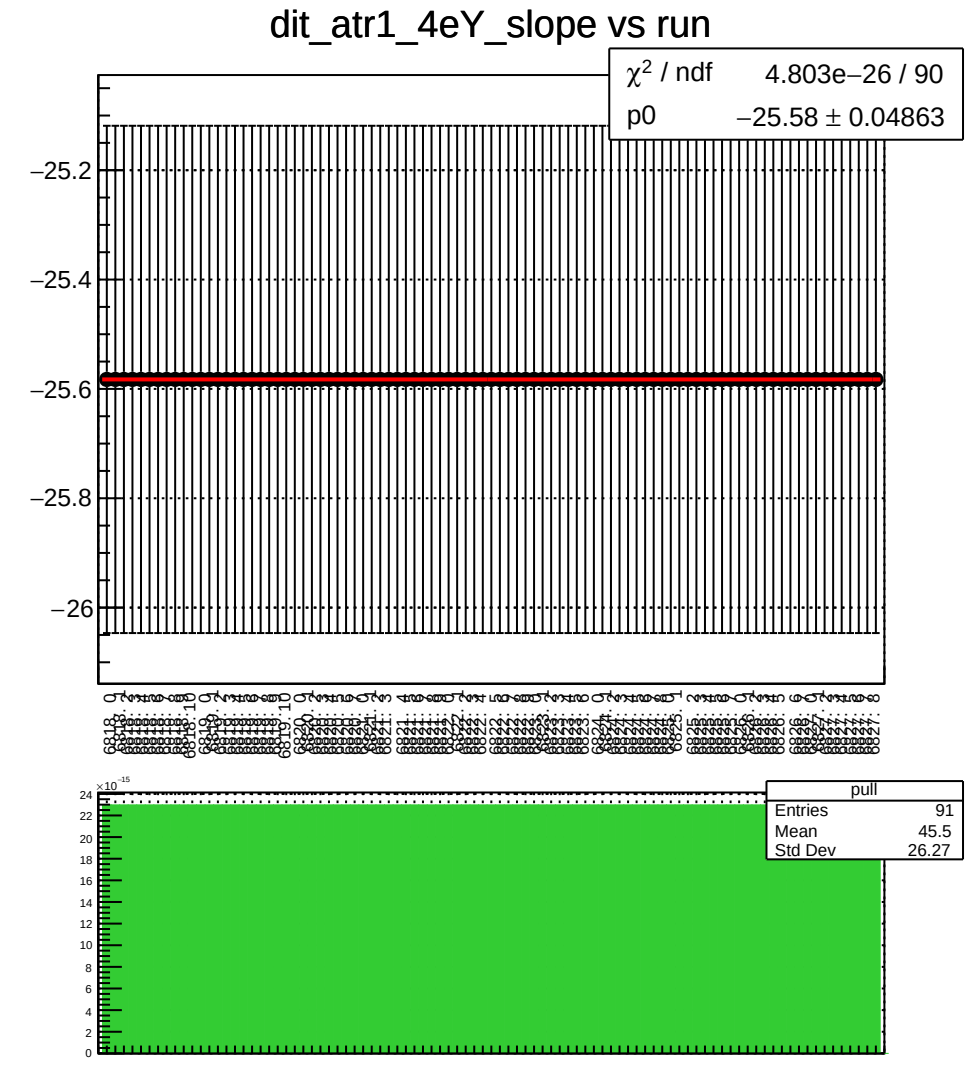

dit_atr1_4aX_slope vs run
χ² / ndf 2.137e−28 / 90
p0 −46.06 ± 0.4861
−42
−44
−46
−48
−50
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 91
Mean −1.532e−15
Std Dev 5.615e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

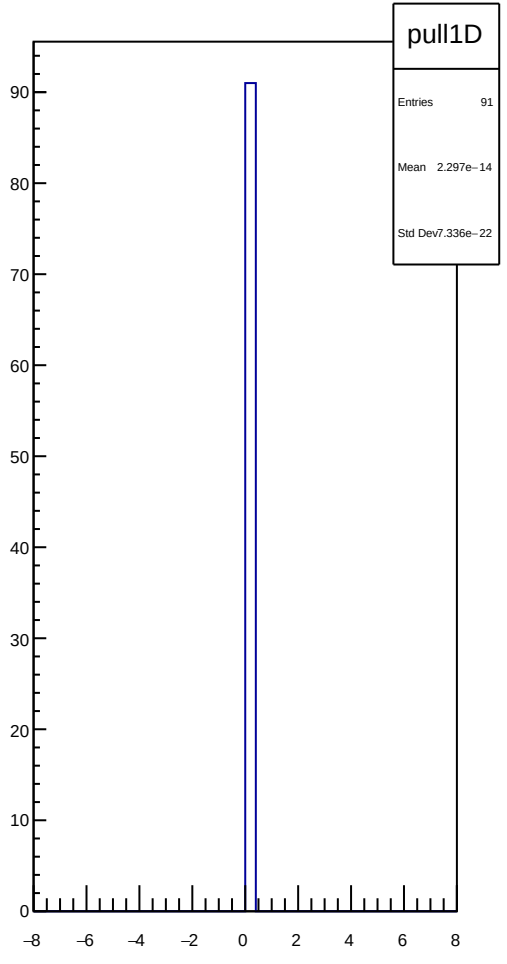

dit_atr1_4eX_slope vs run
χ² / ndf 9.165e−28 / 90
p0 −13.15 ± 0.4107
pull
Entries 91
Mean 45.5
Std Dev 26.27
pull1D
Entries 91
Mean 3.174e−15
Std Dev1.401e−22

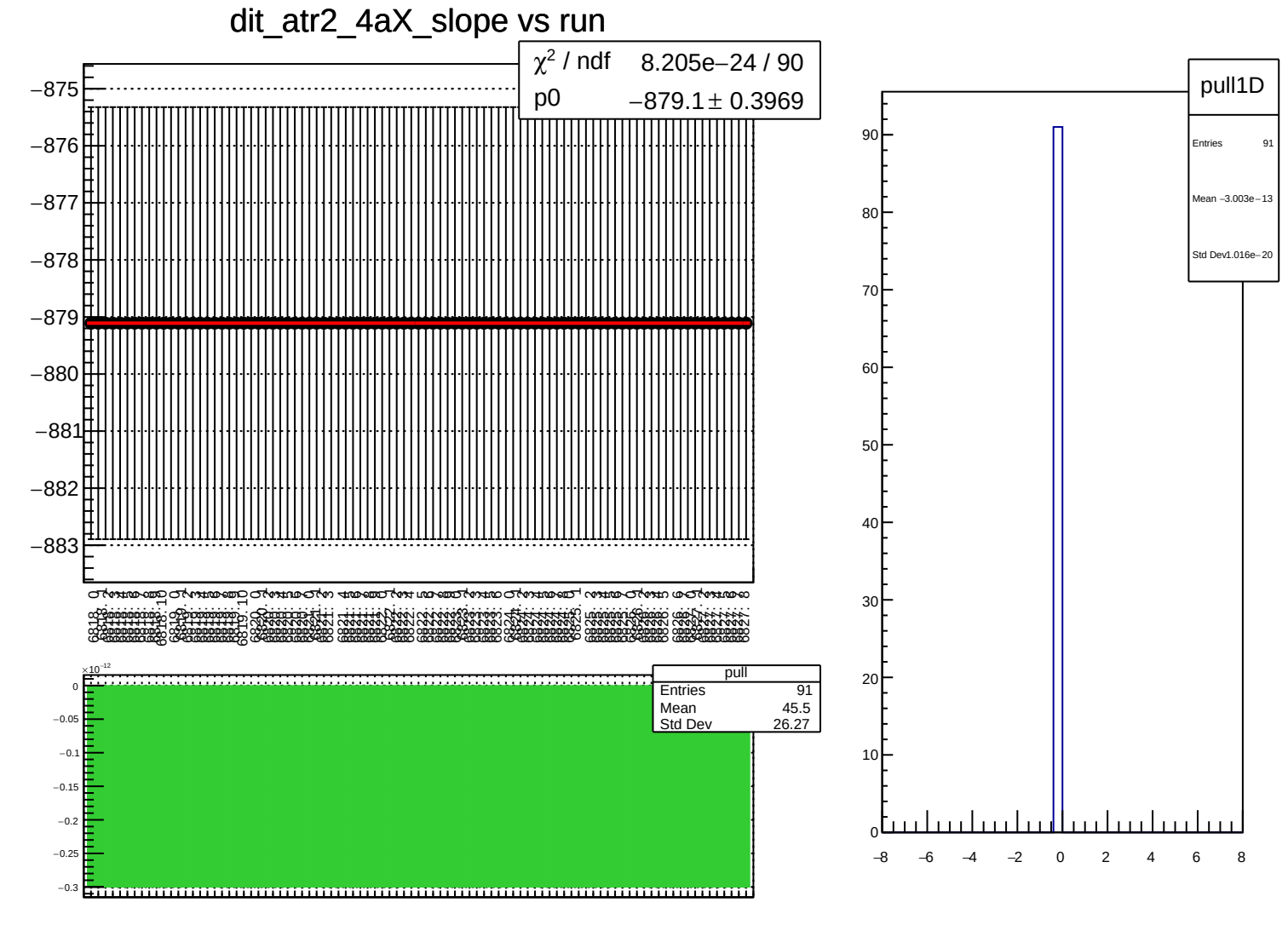

dit_atr1_11X12X_slope vs run
χ^2 / ndf 9.645e−26 / 90
p0 −13.68 ± 0.06292
−13
−13.2
−13.4
−13.6
−13.8
−14
−14.2
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
30
25
20
15
10
5
0

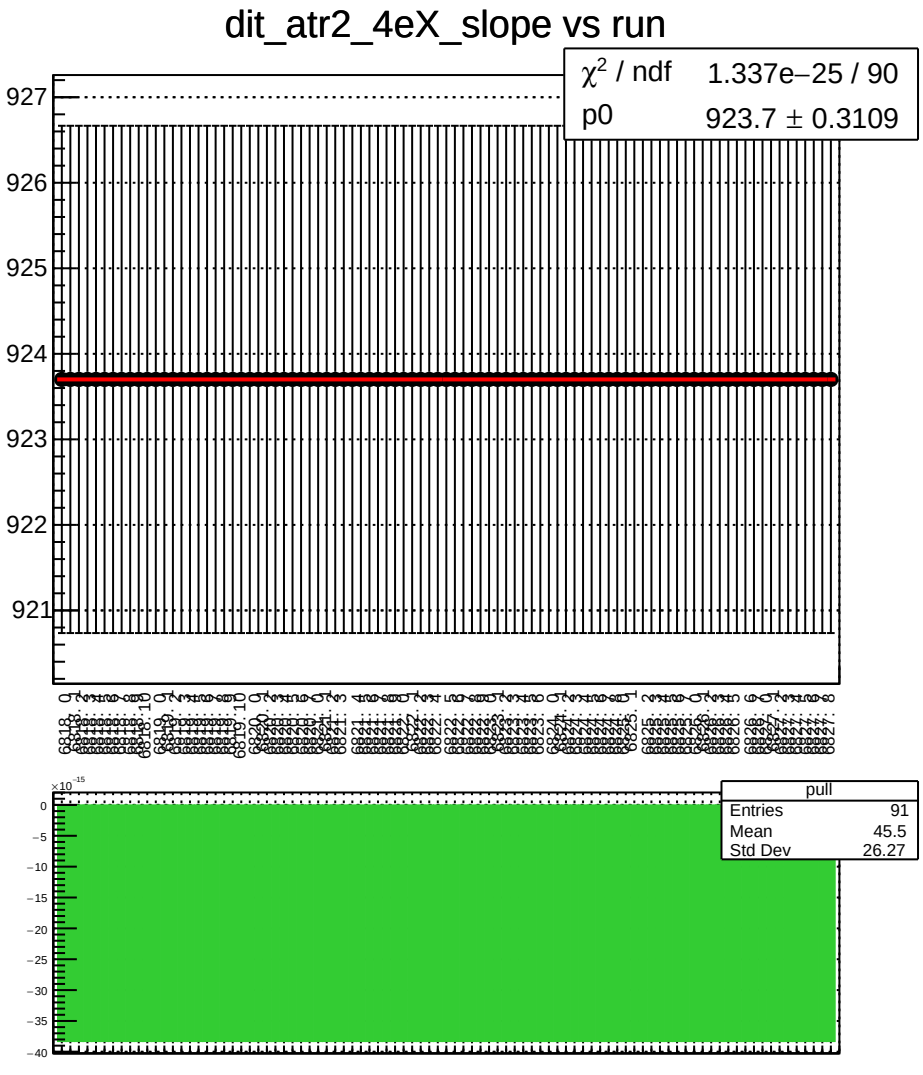

pull1D
Entries 91
Mean 3.256e−14
Std Dev1.527e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

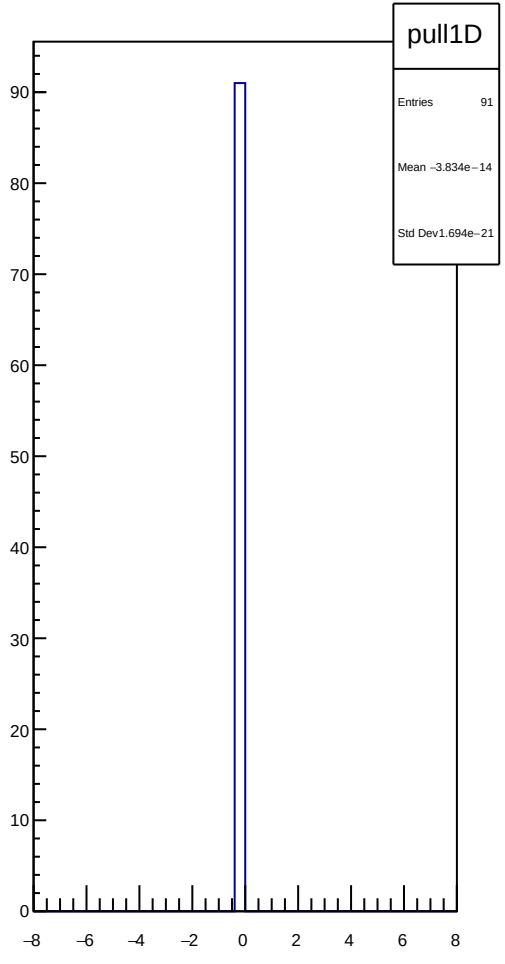

dit_atr1_4aY_slope vs run
χ² / ndf 6.223e−26 / 90
p0 14.3 ± 0.04985
14.8
14.6
14.4
14.2
14
13.8
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 91
Mean 2.615e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

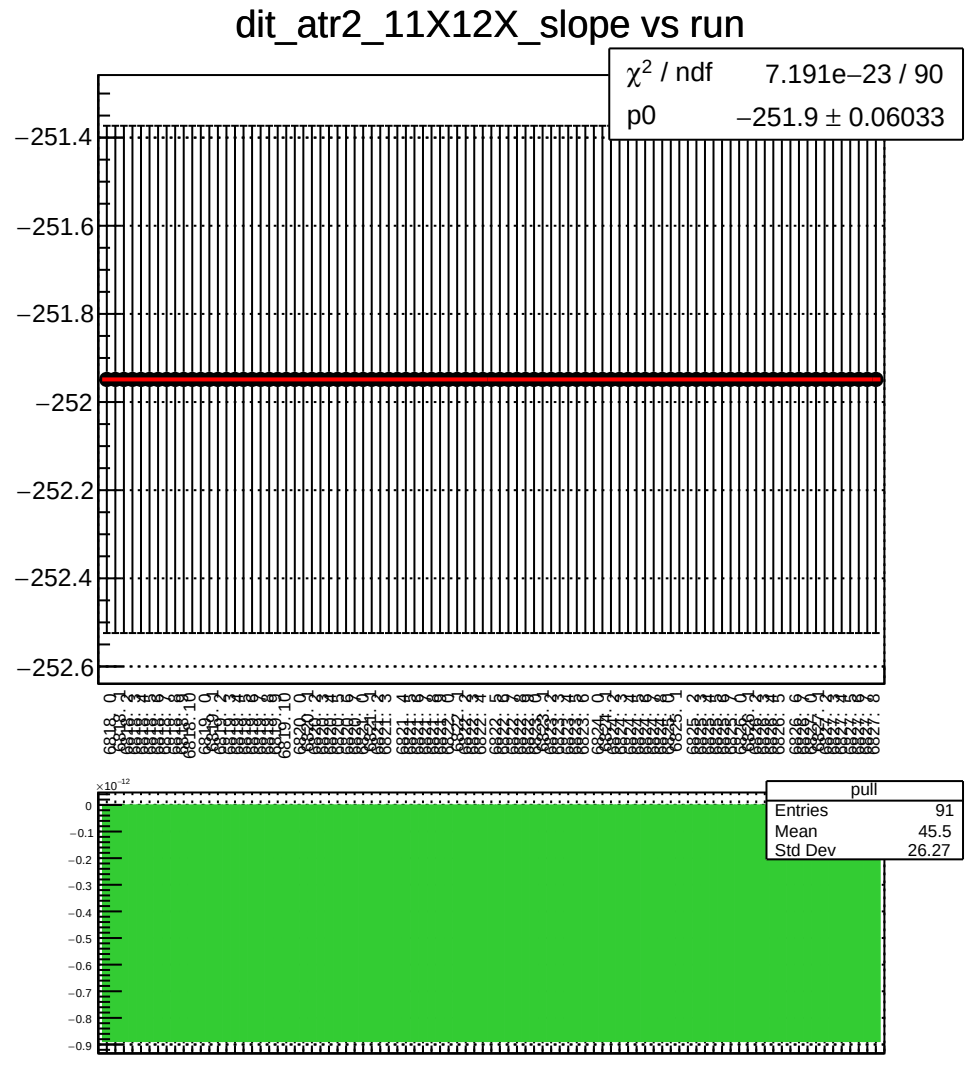

dit_atr1_4eY_slope vs run
χ² / ndf 4.803e−26 / 90
p0 −25.58 ± 0.04863
−25.2
−25.4
−25.6
−25.8
−26
×10⁻¹⁵
pull
Entries 91
Mean 45.5
Std Dev 26.27

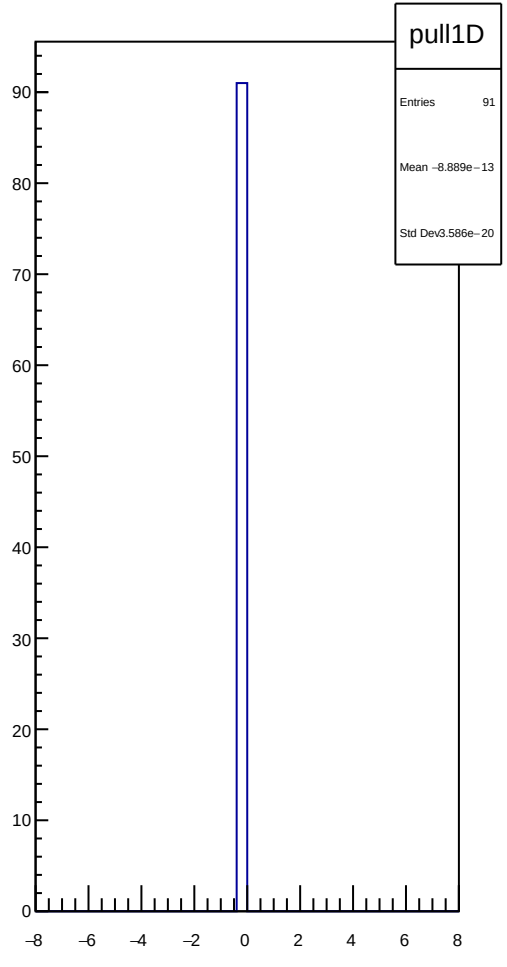

pull1D
Entries 91
Mean 2.297e−14
Std Dev7.336e−22

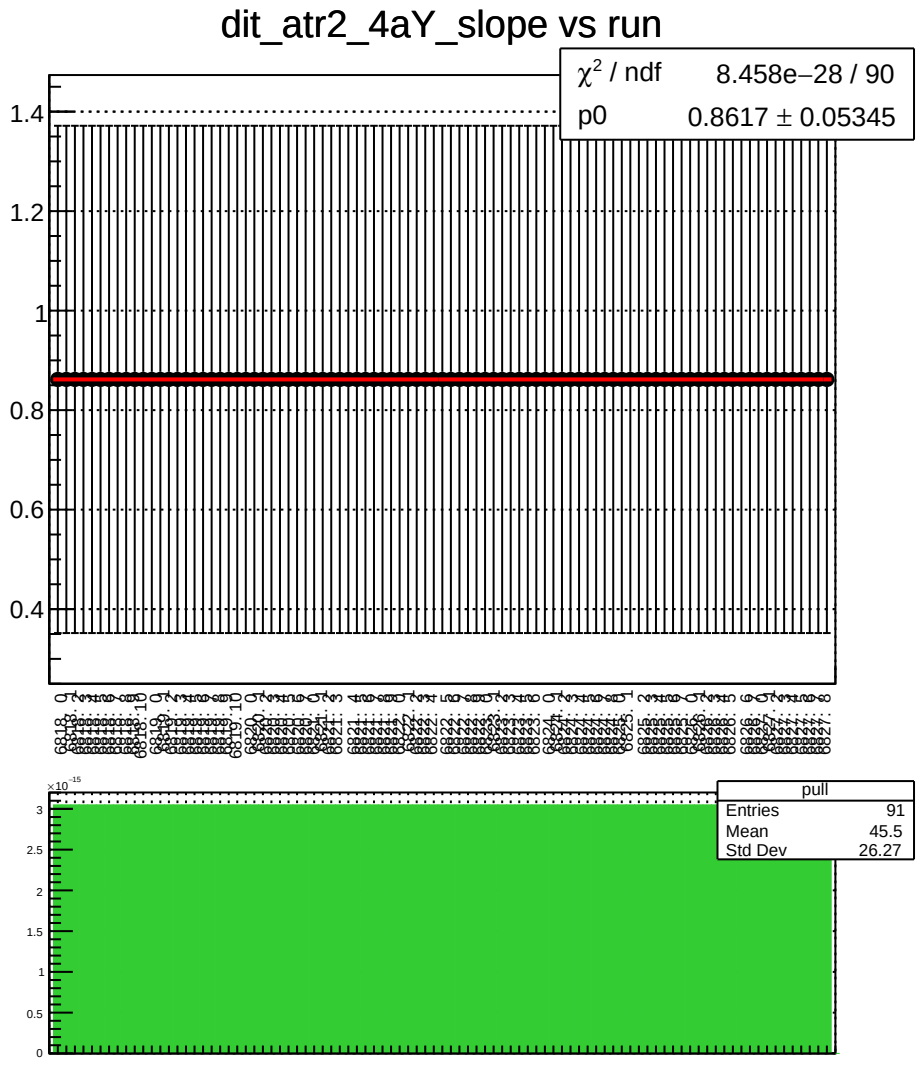

dit_atr2_4aX_slope vs run
χ² / ndf 8.205e−24 / 90
p0 −879.1 ± 0.3969
−875
−876
−877
−878
−879
−880
−881
−882
−883
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 91
Mean −3.003e−13
Std Dev1.016e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

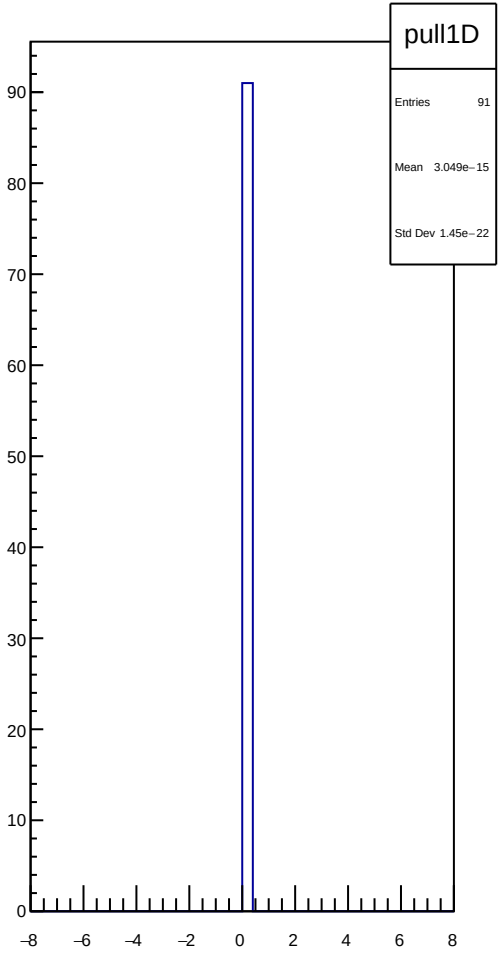

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.337e−25 / 90
p0 923.7 ± 0.3109
927
926
925
924
923
922
921
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10^-15
0
−5
−10
−15
−20
−25
−30
−35
−40

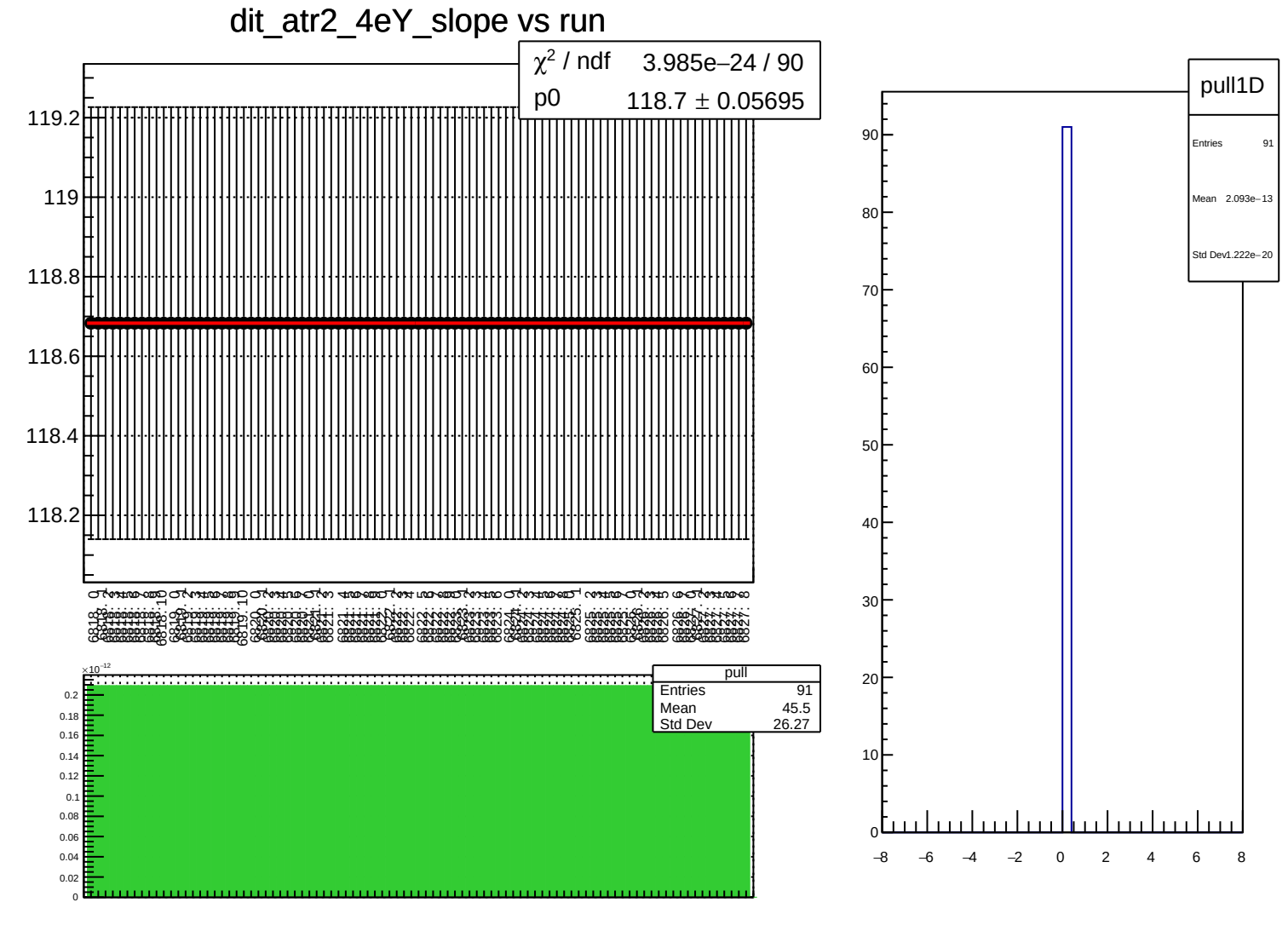

pull1D
Entries 91
Mean −3.834e−14
Std Dev1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

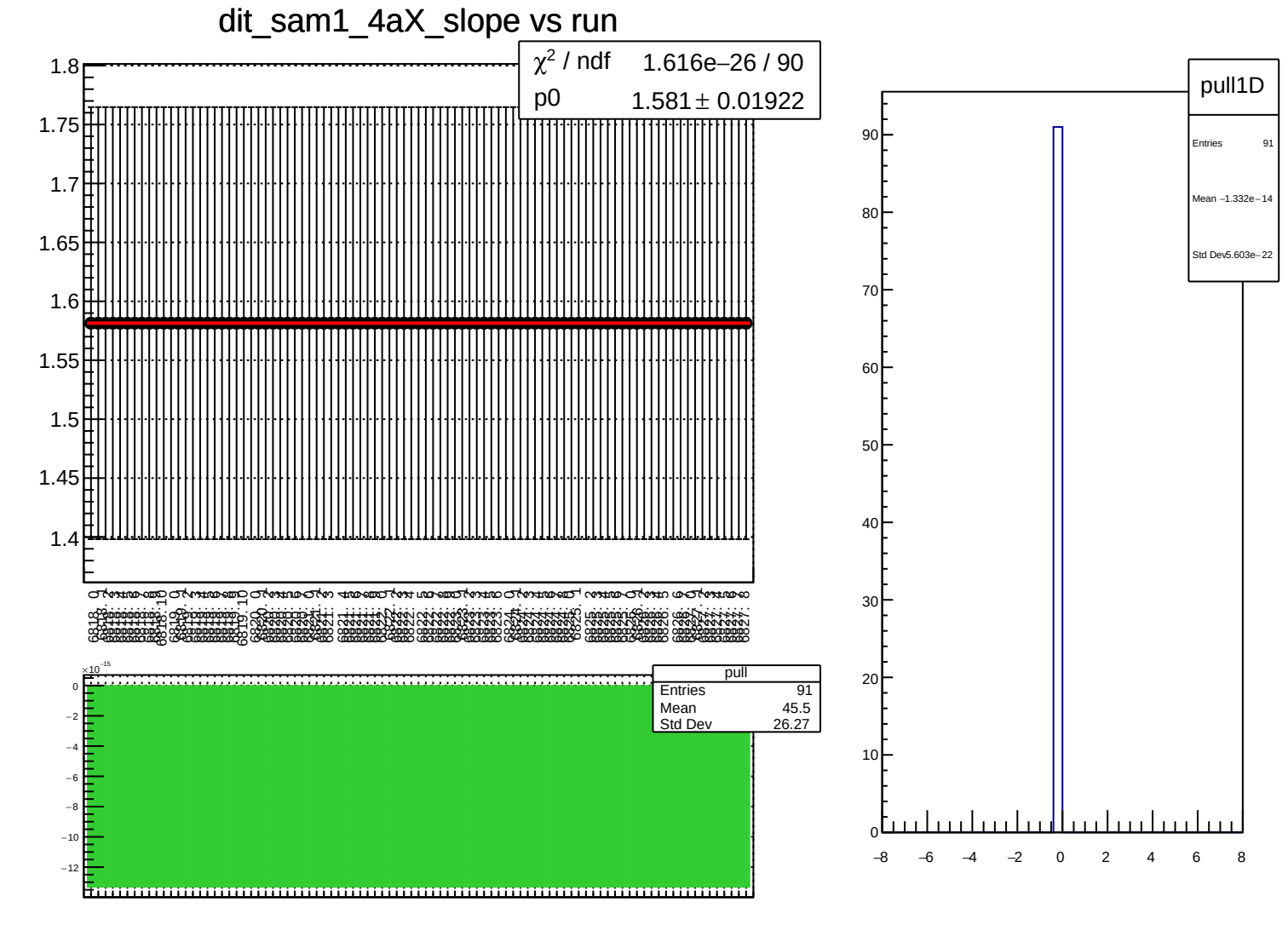

dit_atr2_11X12X_slope vs run
χ² / ndf 7.191e−23 / 90
p0 −251.9 ± 0.06033
−251.4
−251.6
−251.8
−252
−252.2
−252.4
−252.6
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9

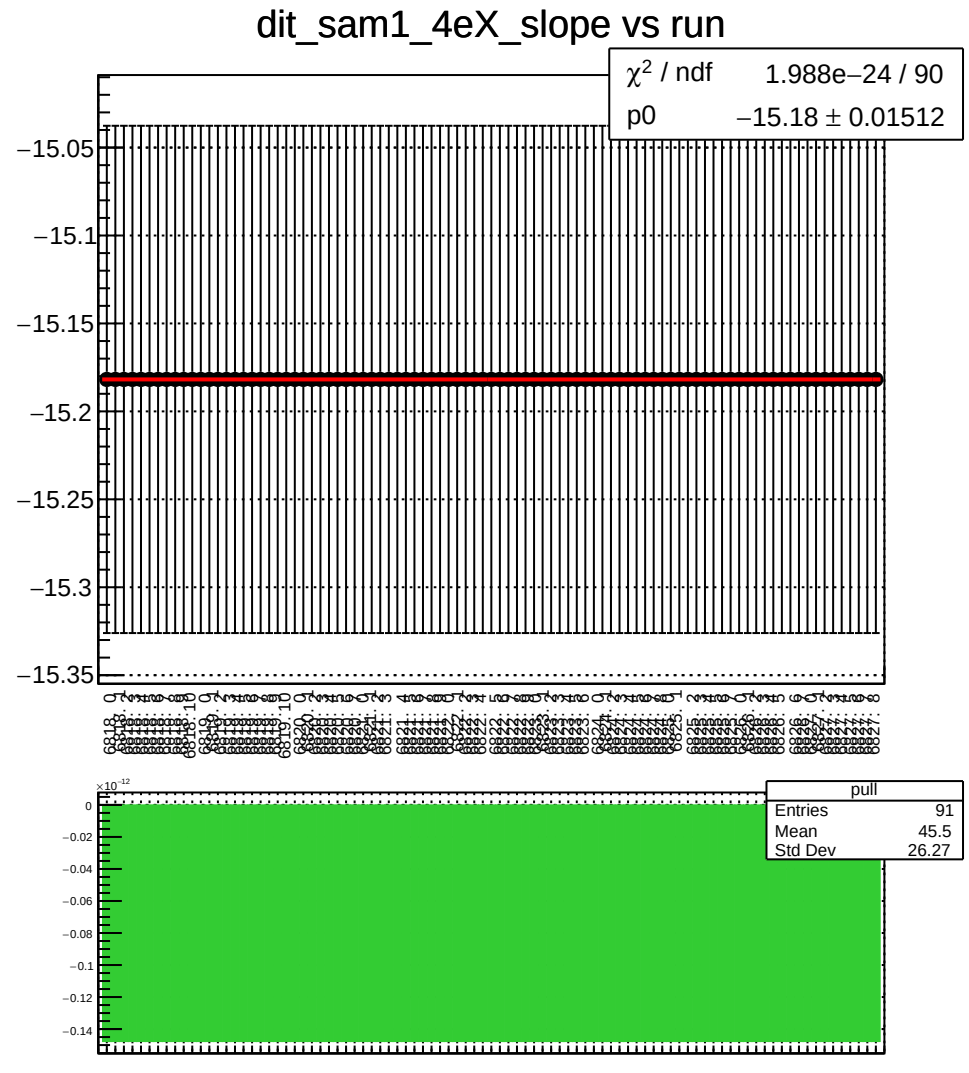

pull1D
Entries 91
Mean −8.889e−13
Std Dev 3.586e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

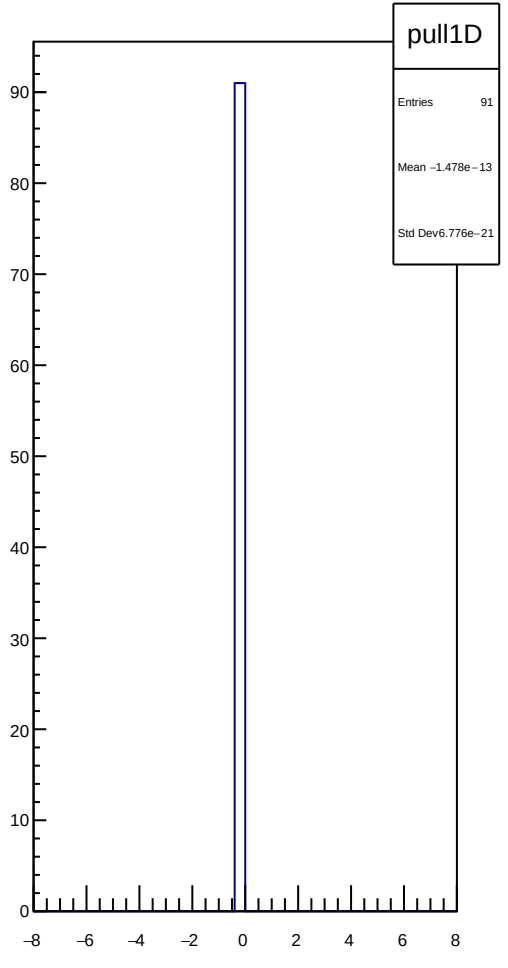

dit_atr2_4aY_slope vs run
χ² / ndf 8.458e−28 / 90
p0 0.8617 ± 0.05345
pull
Entries 91
Mean 45.5
Std Dev 26.27

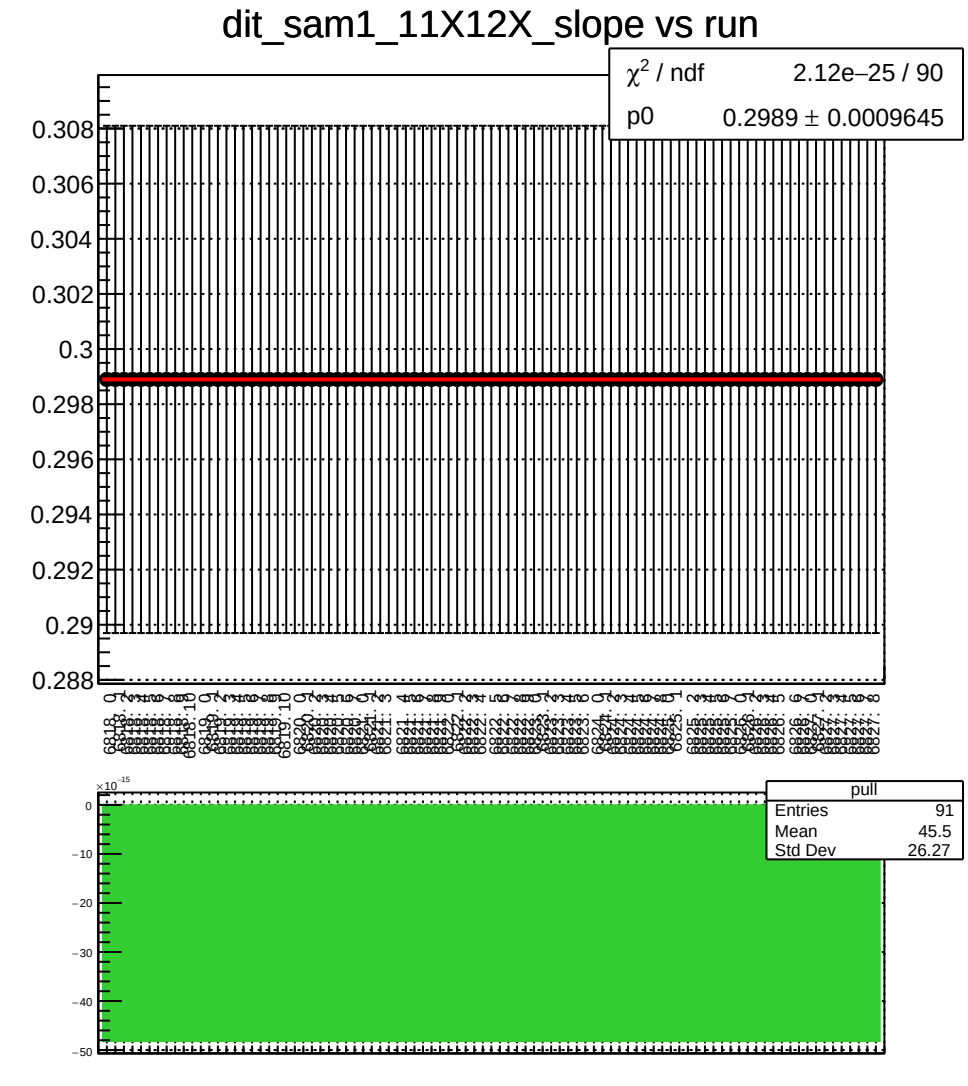

pull1D
Entries 91
Mean 3.049e−15
Std Dev 1.45e−22

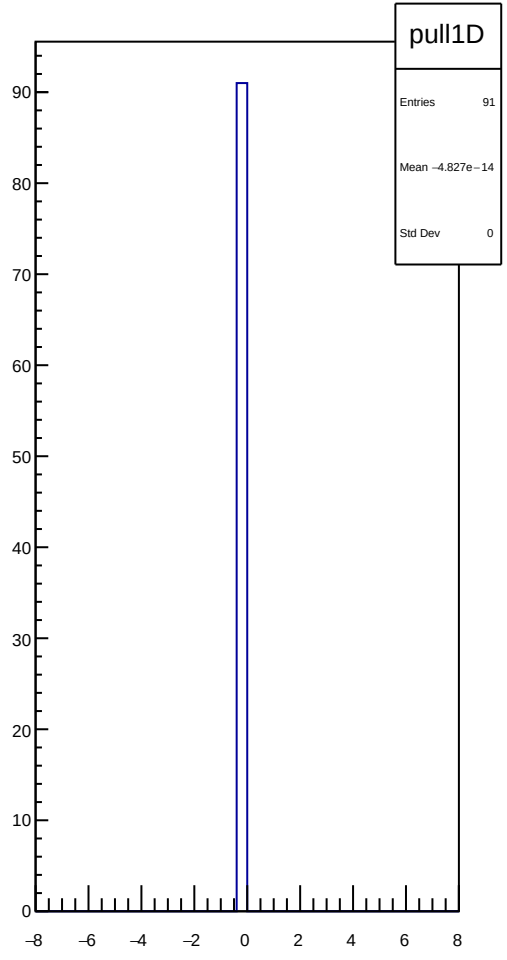

dit_atr2_4eY_slope vs run
χ² / ndf 3.985e−24 / 90
p0 118.7 ± 0.05695
119.2
119
118.8
118.6
118.4
118.2
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 91
Mean 2.093e−13
Std Dev1.222e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

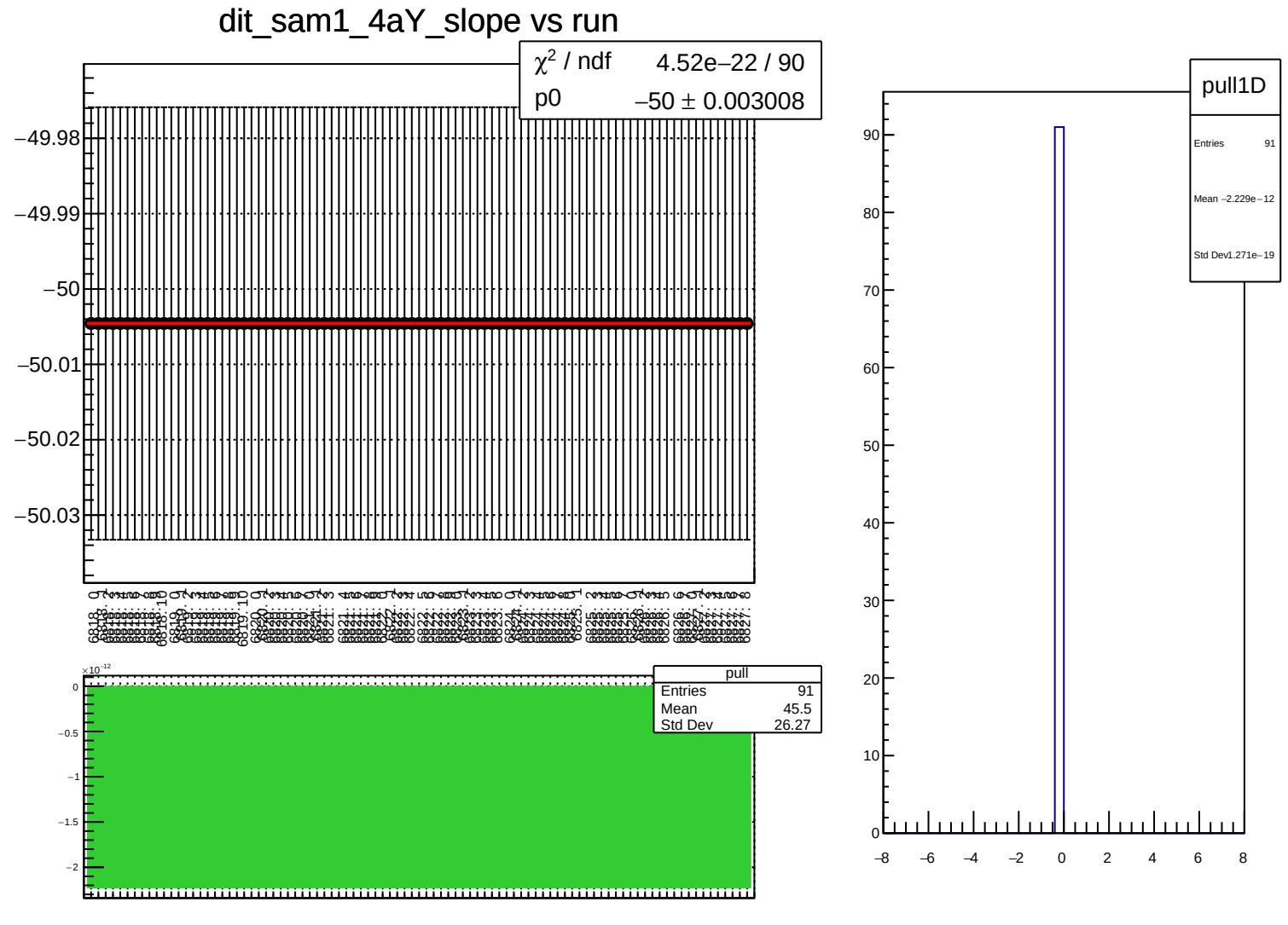

dit_sam1_4aX_slope vs run
χ² / ndf 1.616e−26 / 90
p0 1.581 ± 0.01922
pull
Entries 91
Mean 45.5
Std Dev 26.27
pull1D
Entries 91
Mean −1.332e−14
Std Dev 5.603e−22

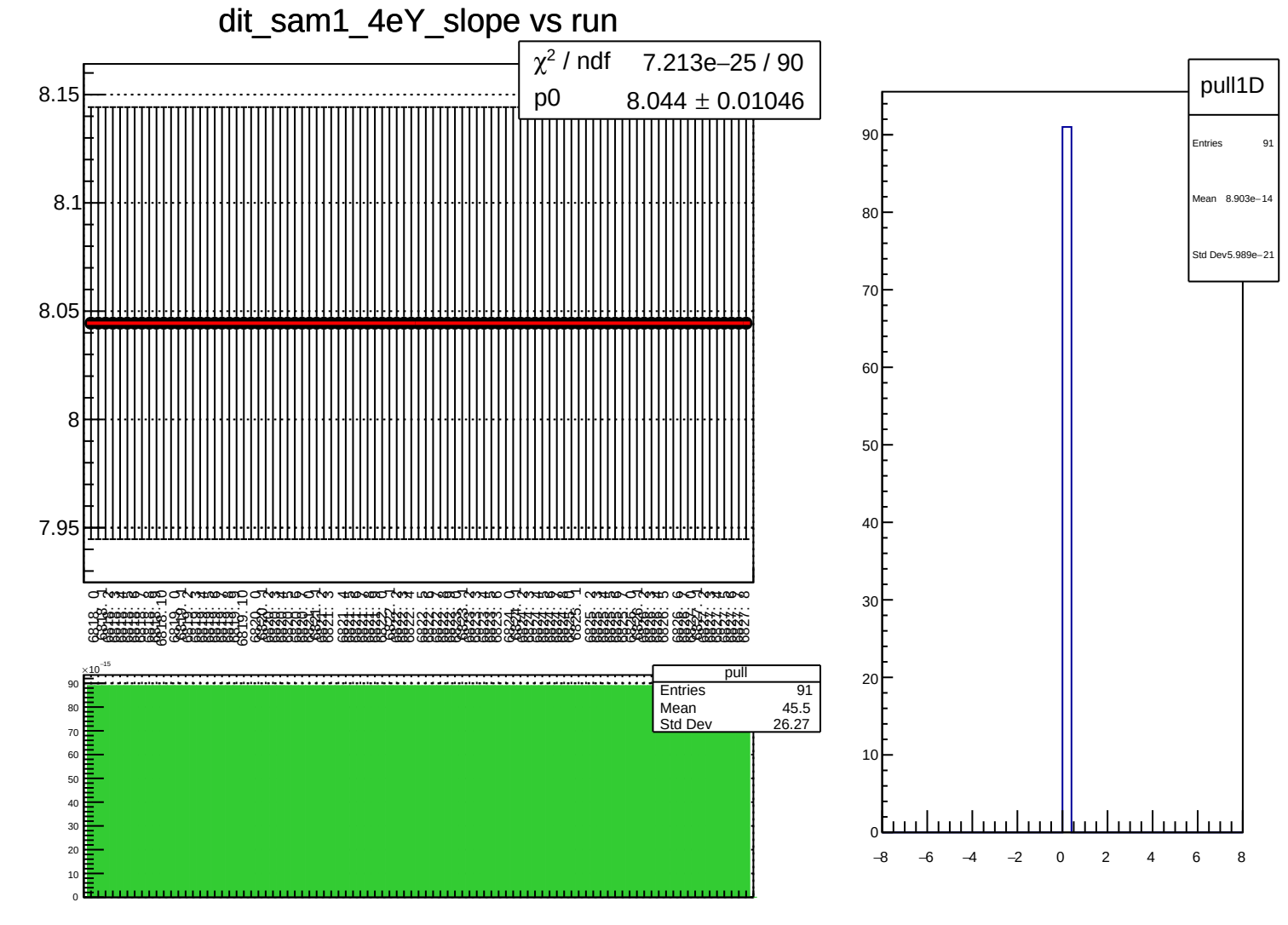

dit_sam1_4eX_slope vs run
χ² / ndf 1.988e−24 / 90
p0 −15.18 ± 0.01512
−15.05
−15.1
−15.15
−15.2
−15.25
−15.3
−15.35
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

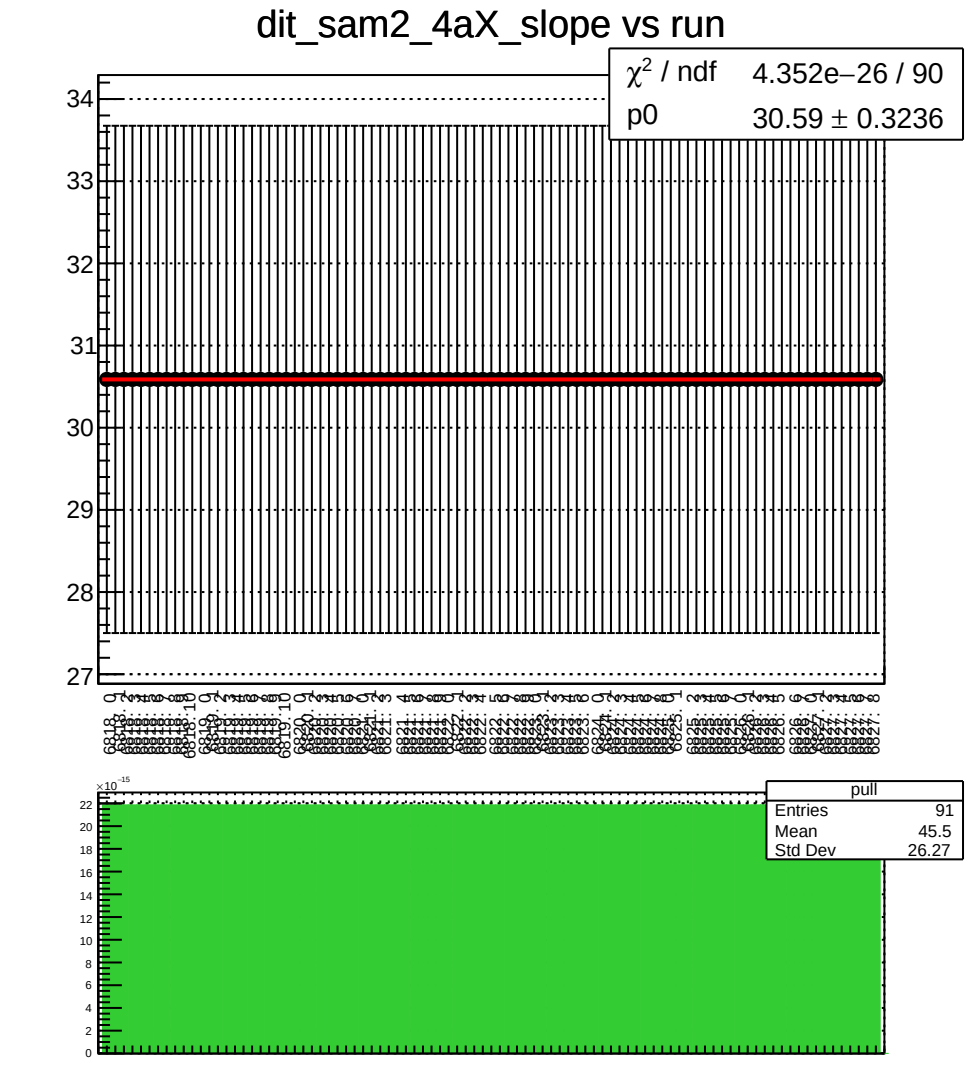

pull1D
Entries 91
Mean −1.478e−13
Std Dev6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

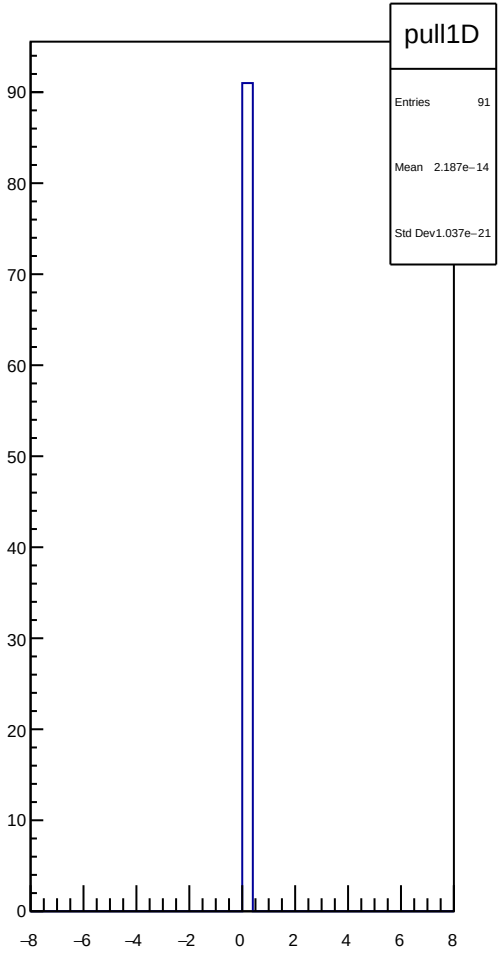

dit_sam1_11X12X_slope vs run
χ² / ndf 2.12e−25 / 90
p0 0.2989 ± 0.0009645
0.308
0.306
0.304
0.302
0.3
0.298
0.296
0.294
0.292
0.29
0.288
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−10
−20
−30
−40
−50

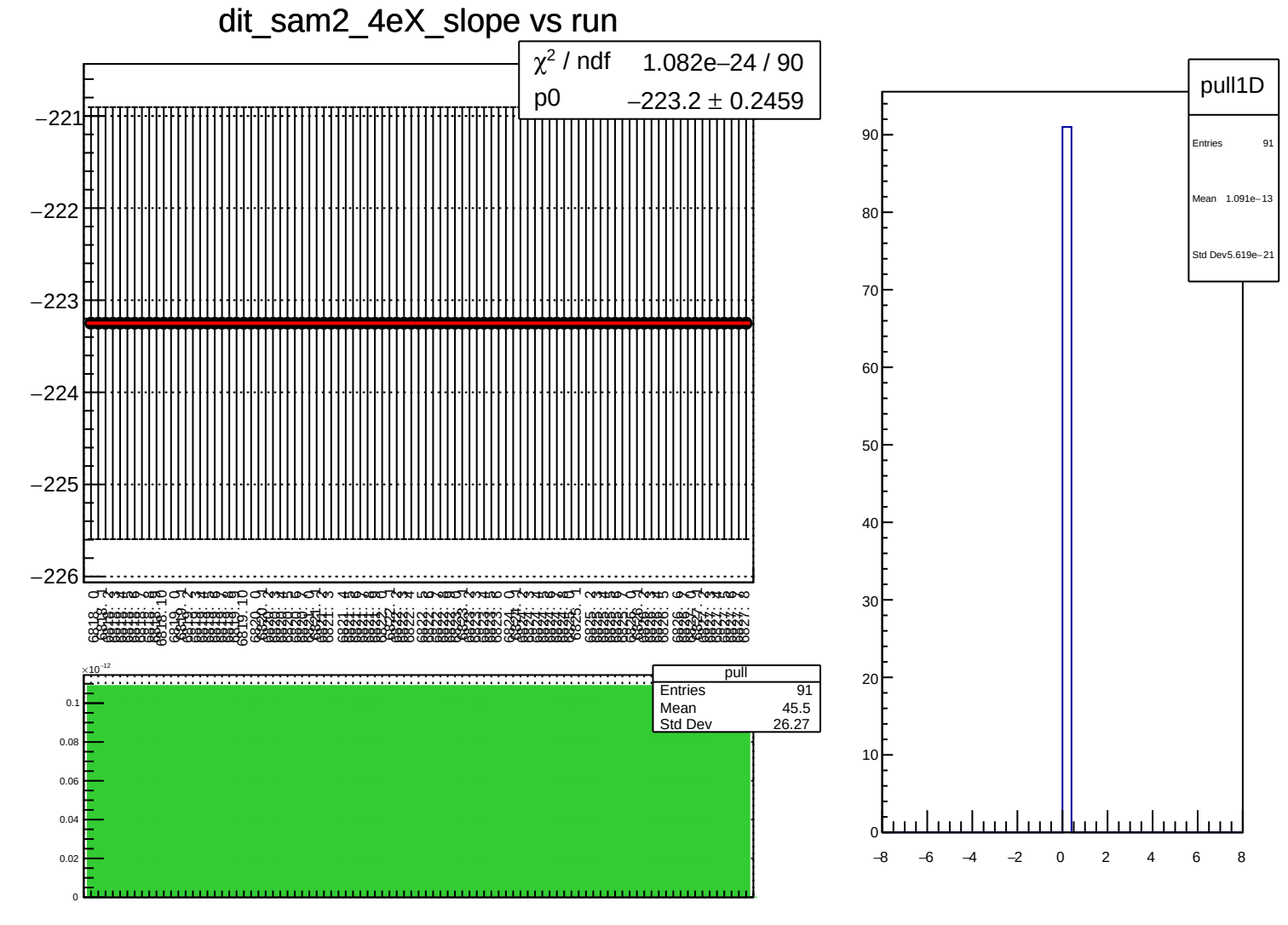

pull1D
Entries 91
Mean −4.827e−14
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

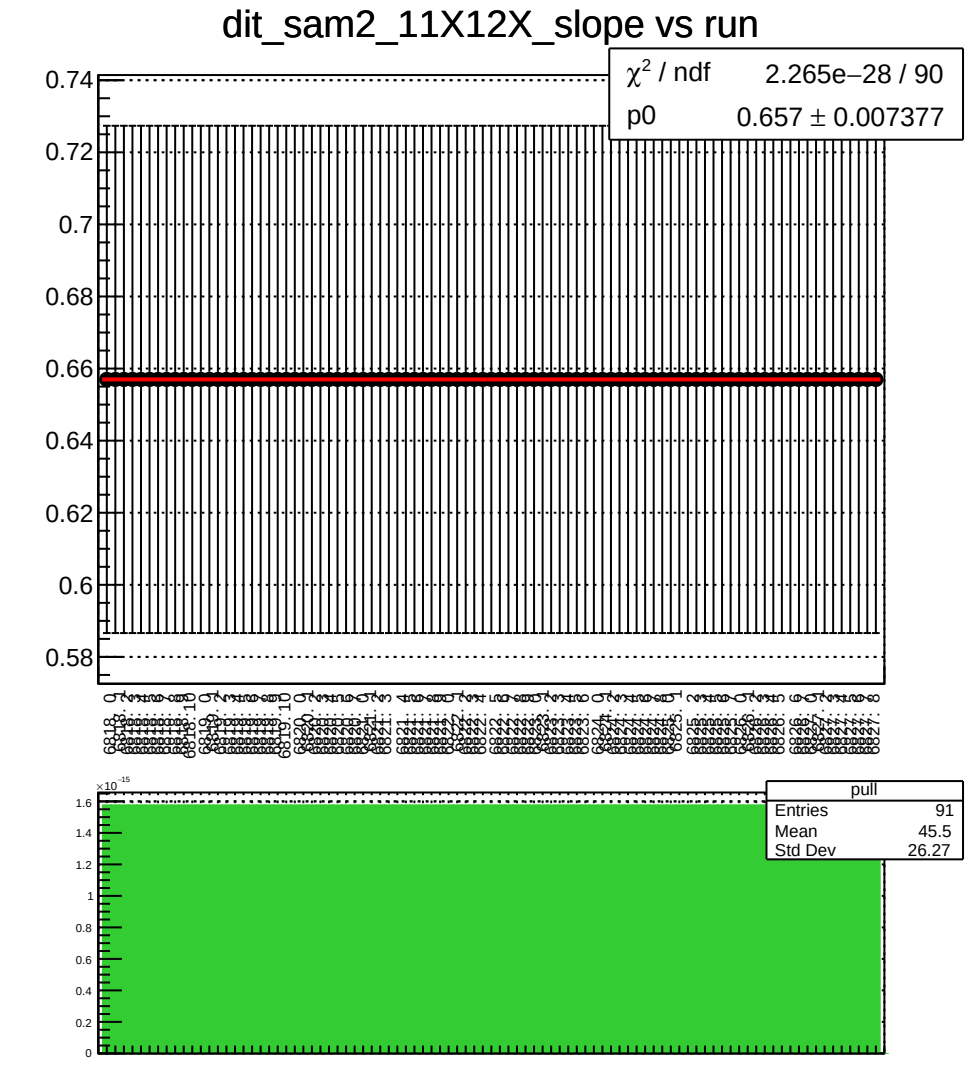

dit_sam1_4aY_slope vs run
χ² / ndf 4.52e−22 / 90
p0 −50 ± 0.003008
−49.98
−49.99
−50
−50.01
−50.02
−50.03
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.5
−1
−1.5
−2
pull1D
Entries 91
Mean −2.229e−12
Std Dev1.271e−19
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

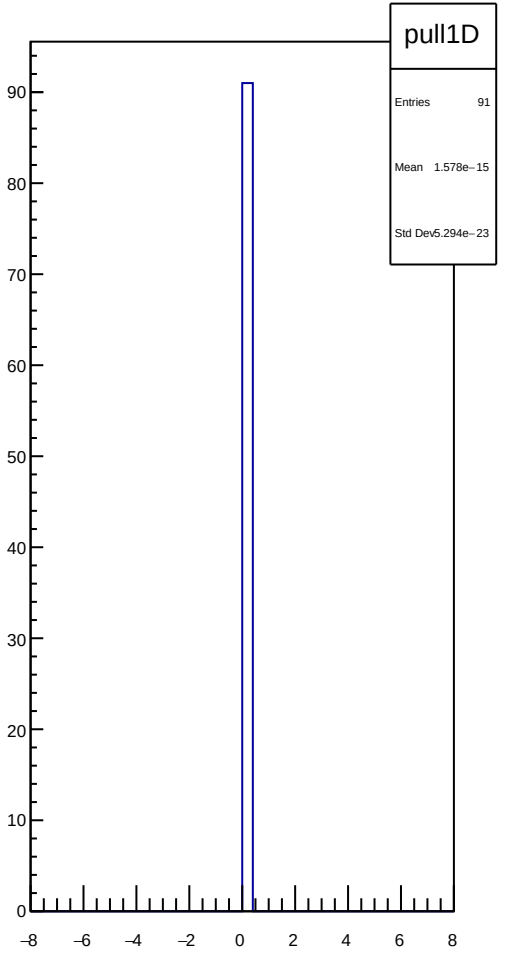

dit_sam1_4eY_slope vs run
χ² / ndf 7.213e−25 / 90
p0 8.044 ± 0.01046
8.15
8.1
8.05
8
7.95
pull
Entries 91
Mean 45.5
Std Dev 26.27
pull1D
Entries 91
Mean 8.903e−14
Std Dev5.989e−21

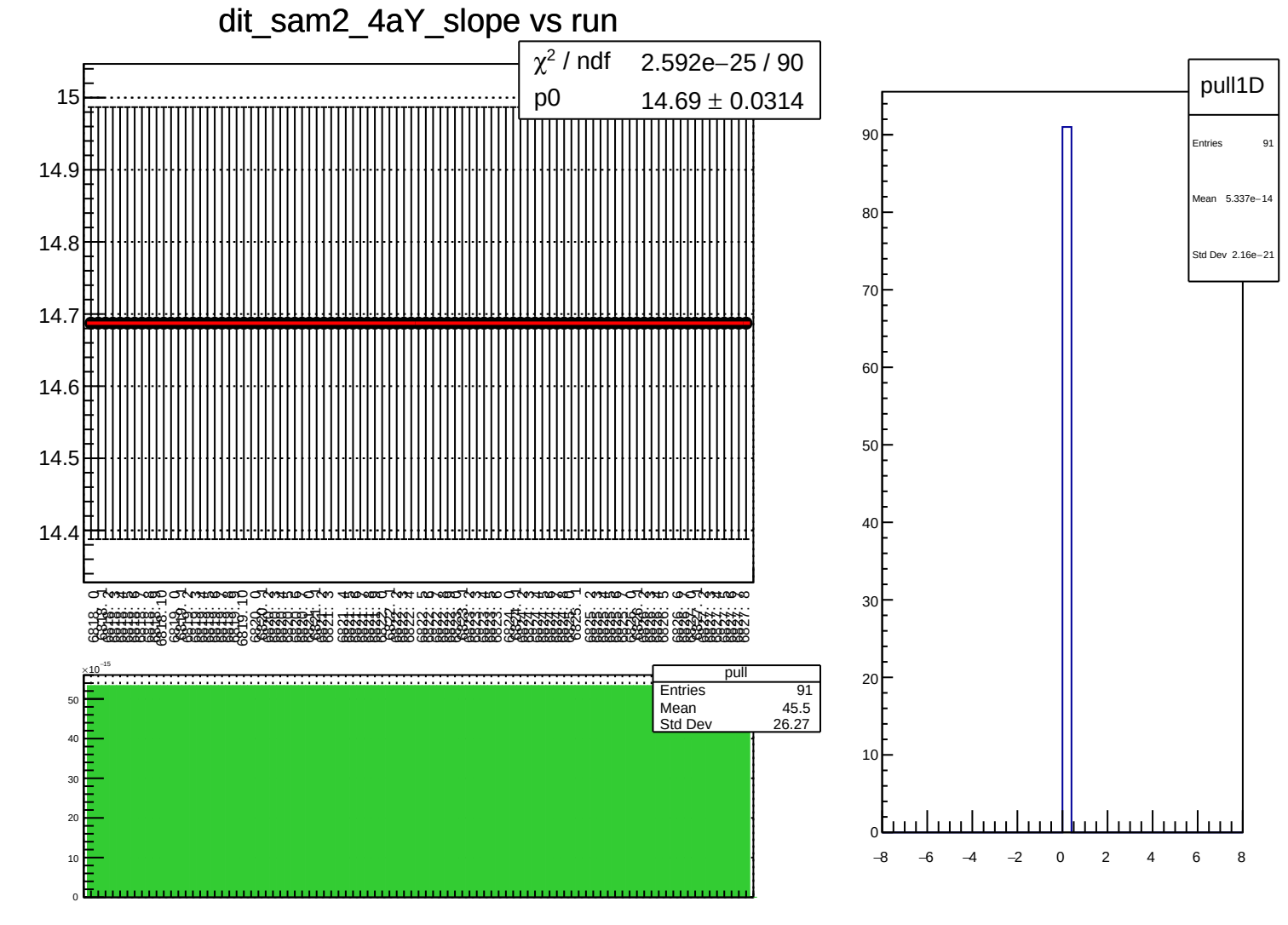

dit_sam2_4aX_slope vs run
χ² / ndf 4.352e−26 / 90
p0 30.59 ± 0.3236
pull
Entries 91
Mean 45.5
Std Dev 26.27

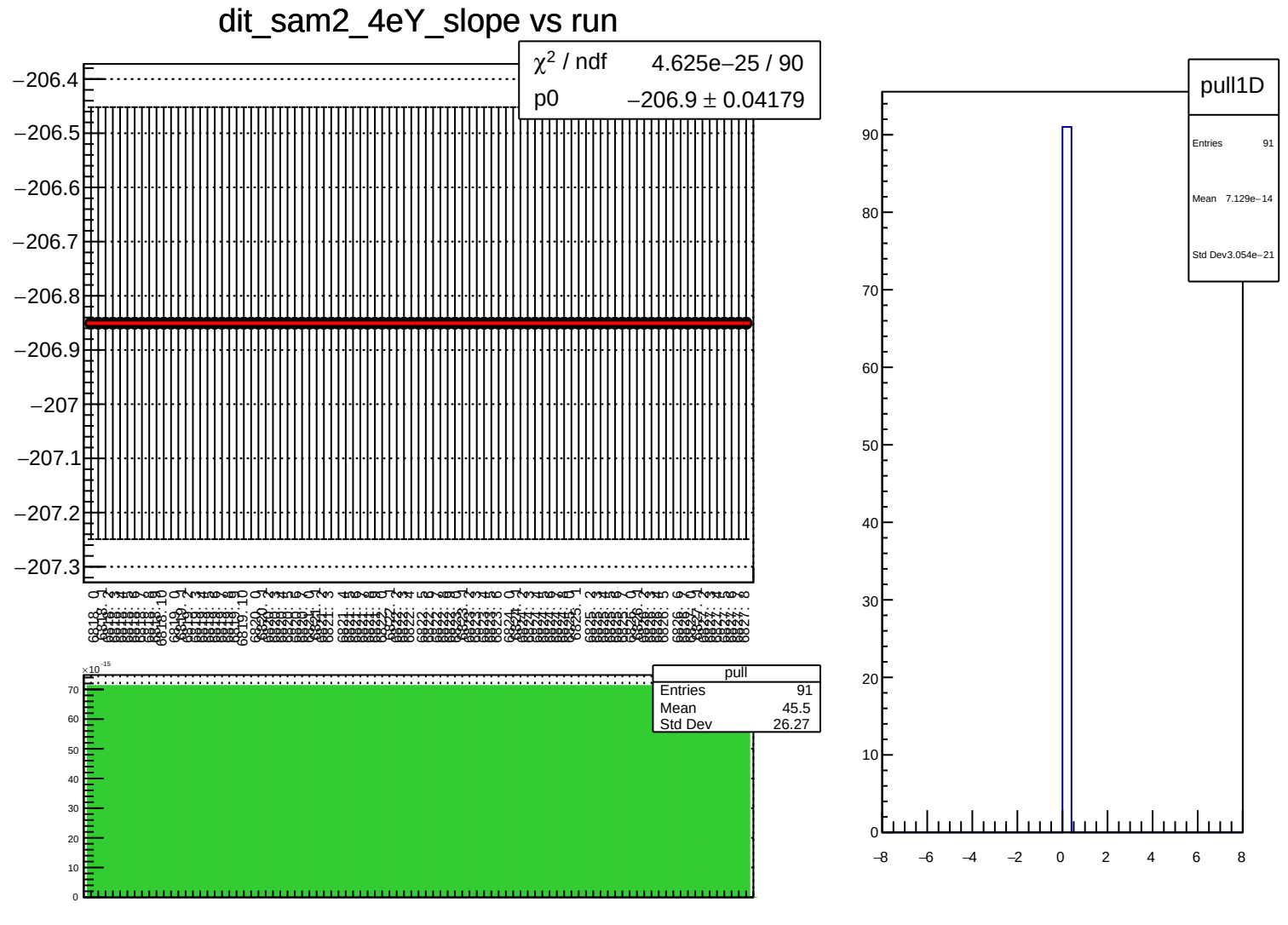

pull1D
Entries 91
Mean 2.187e−14
Std Dev1.037e−21

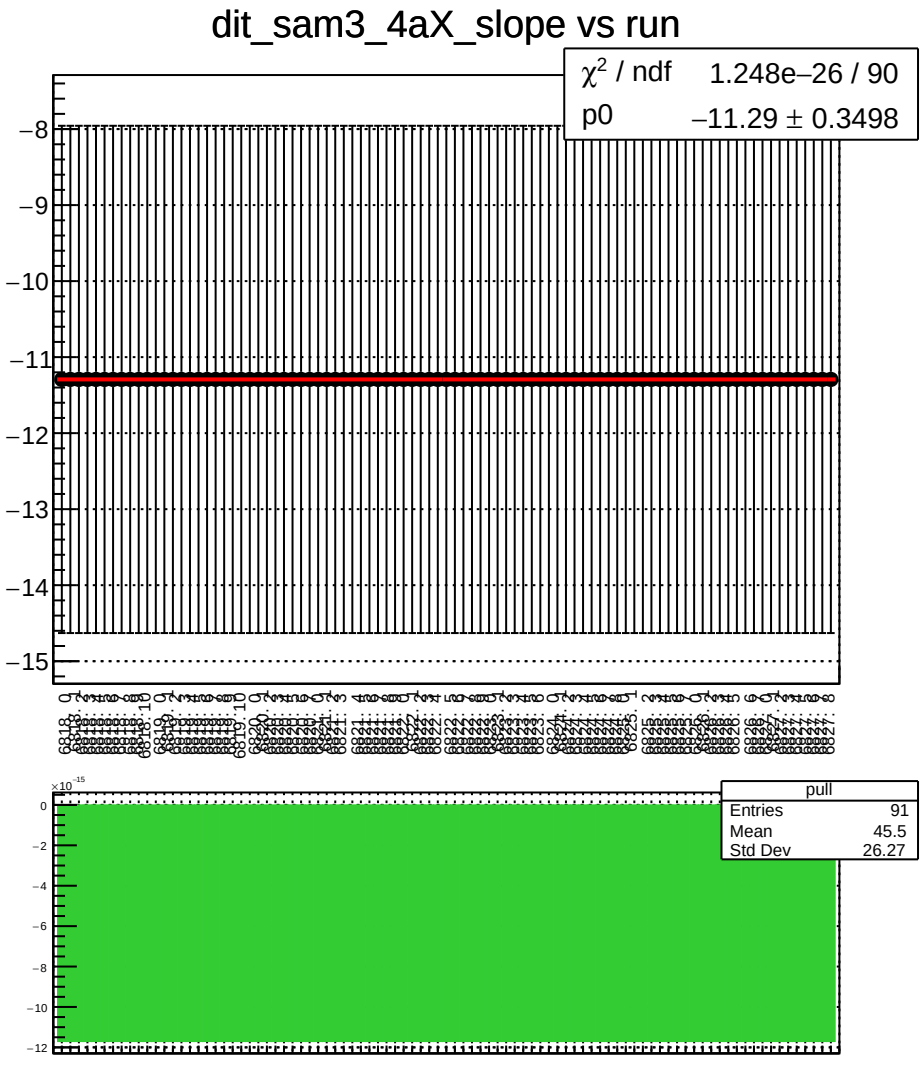

dit_sam2_4eX_slope vs run
χ² / ndf 1.082e−24 / 90
p0 −223.2 ± 0.2459
−221
−222
−223
−224
−225
−226
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 91
Mean 1.091e−13
Std Dev5.619e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

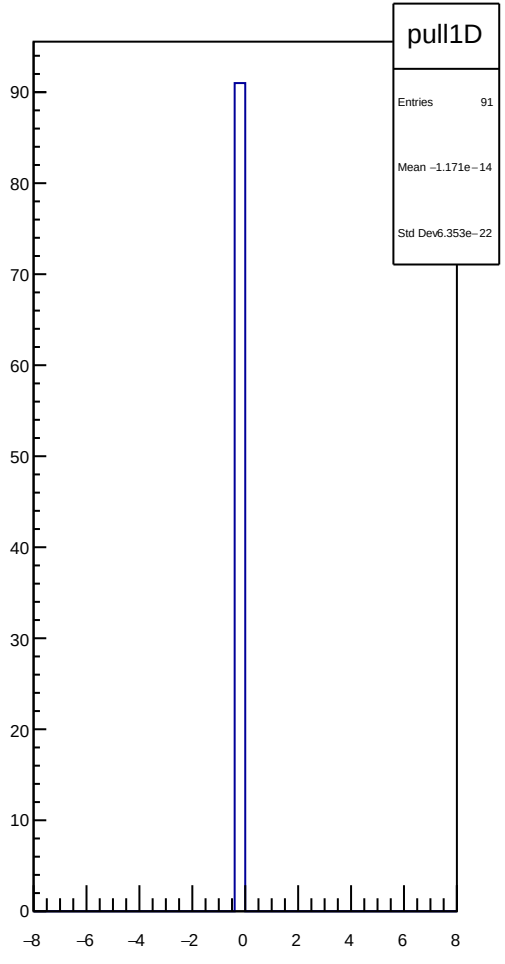

dit_sam2_11X12X_slope vs run
χ² / ndf 2.265e−28 / 90
p0 0.657 ± 0.007377
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

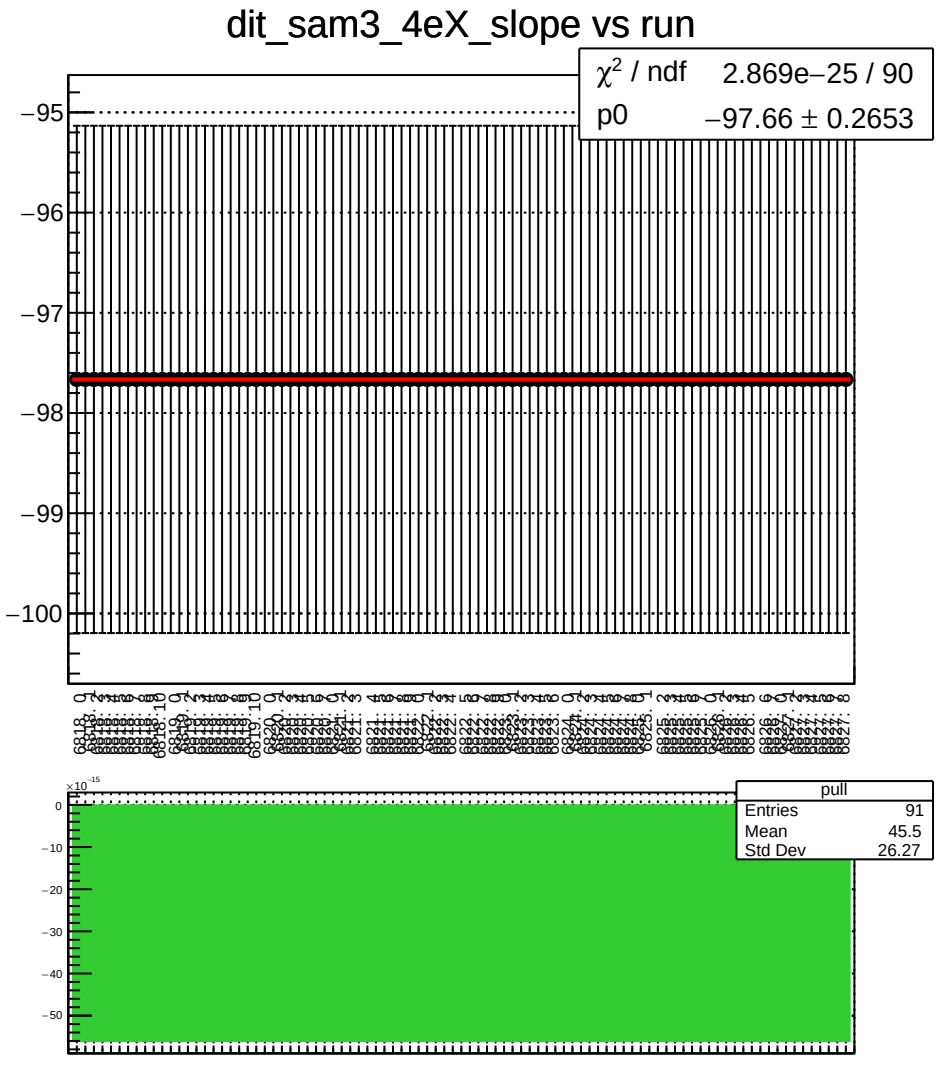

pull1D
Entries 91
Mean 1.578e−15
Std Dev 5.294e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

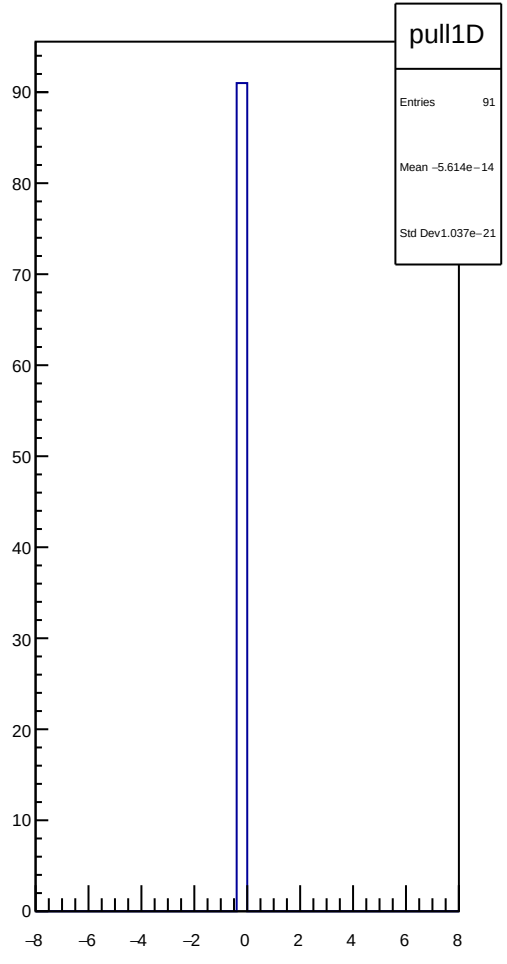

dit_sam2_4aY_slope vs run
χ² / ndf 2.592e−25 / 90
p0 14.69 ± 0.0314
15
14.9
14.8
14.7
14.6
14.5
14.4
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 91
Mean 5.337e−14
Std Dev 2.16e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

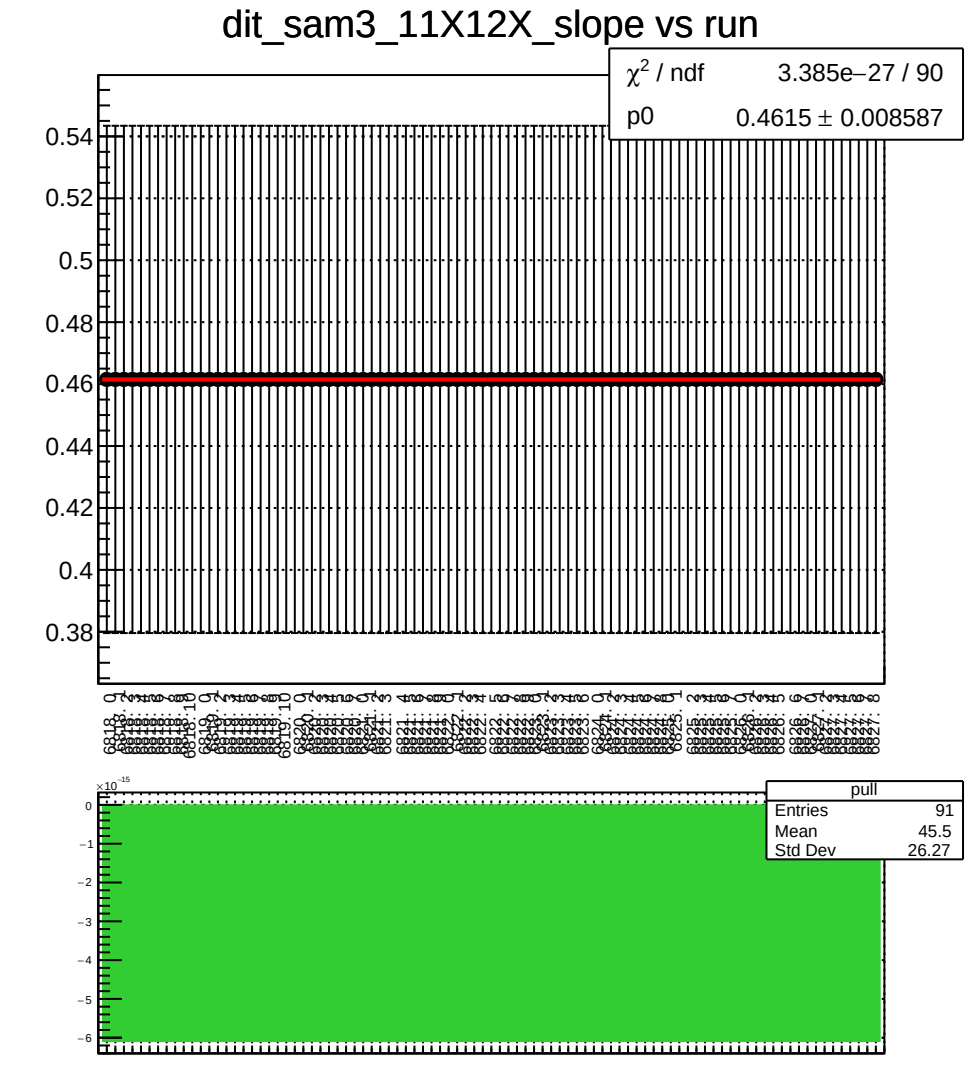

dit_sam2_4eY_slope vs run
χ² / ndf 4.625e−25 / 90
p0 −206.9 ± 0.04179
−206.4
−206.5
−206.6
−206.7
−206.8
−206.9
−207
−207.1
−207.2
−207.3
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
pull1D
Entries 91
Mean 7.129e−14
Std Dev3.054e−21

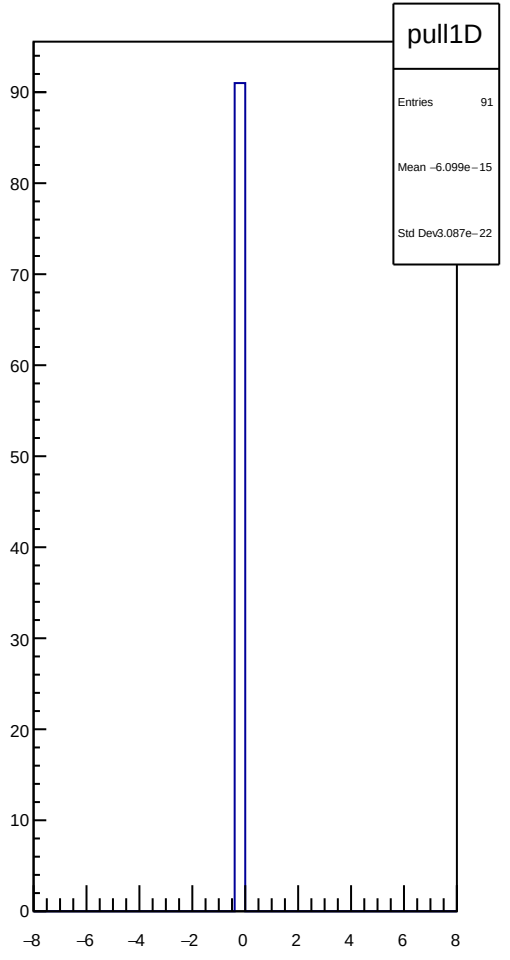

dit_sam3_4aX_slope vs run
χ² / ndf 1.248e−26 / 90
p0 −11.29 ± 0.3498
pull
Entries 91
Mean 45.5
Std Dev 26.27

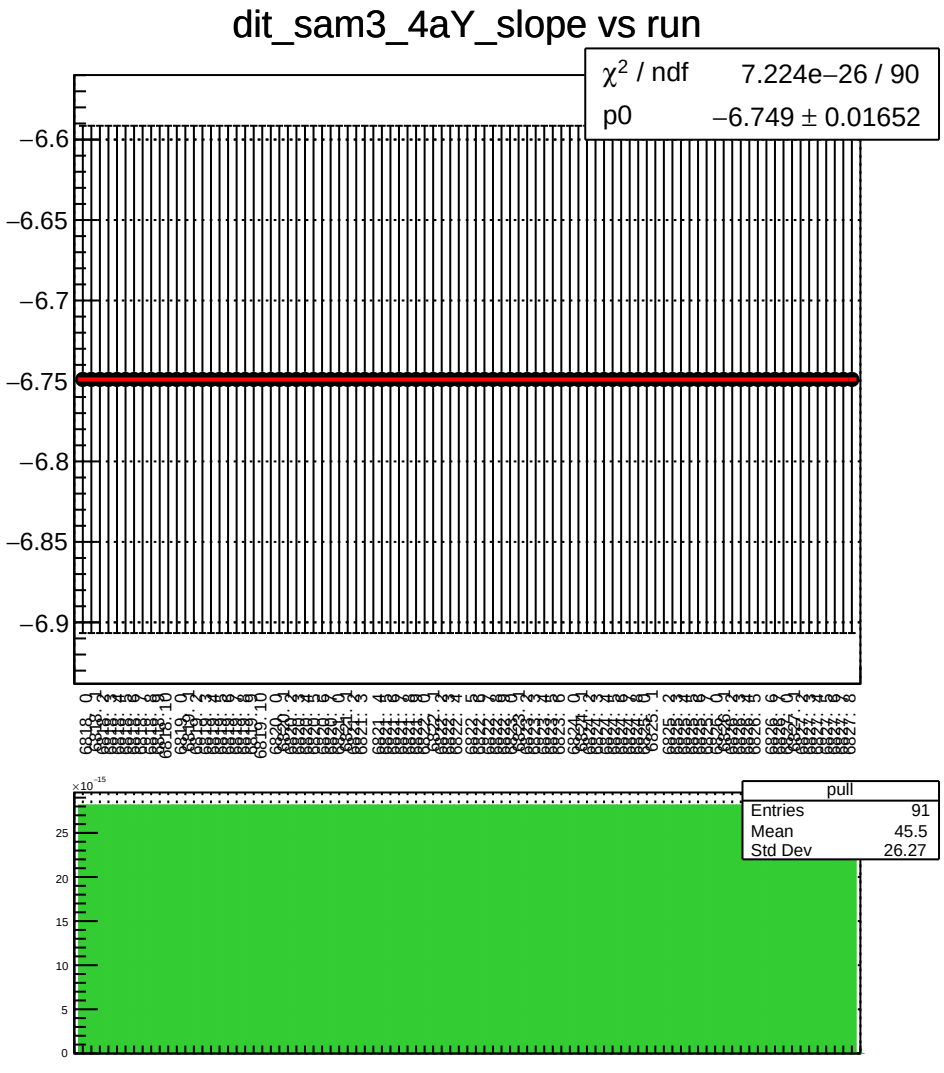

pull1D
Entries 91
Mean −1.171e−14
Std Dev 6.353e−22

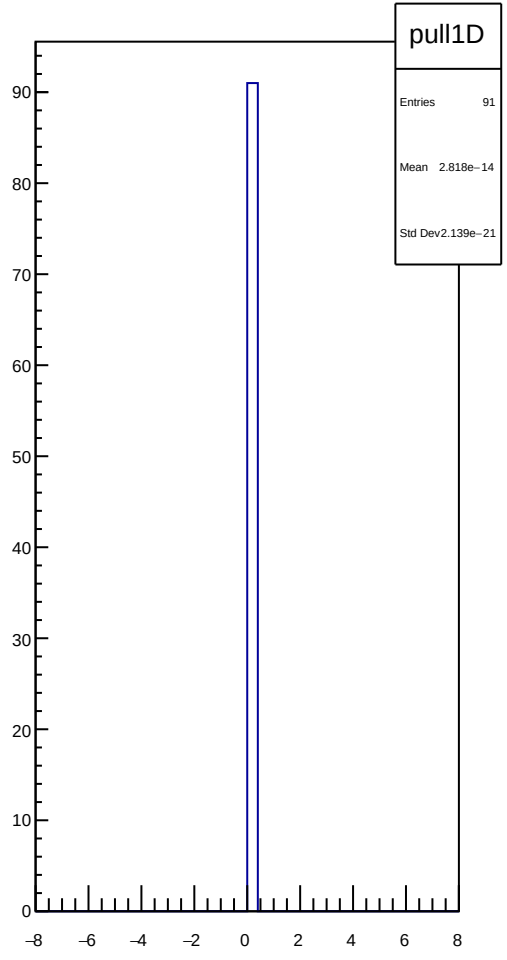

dit_sam3_4eX_slope vs run
χ² / ndf 2.869e−25 / 90
p0 −97.66 ± 0.2653
−95
−96
−97
−98
−99
−100
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−10
−20
−30
−40
−50

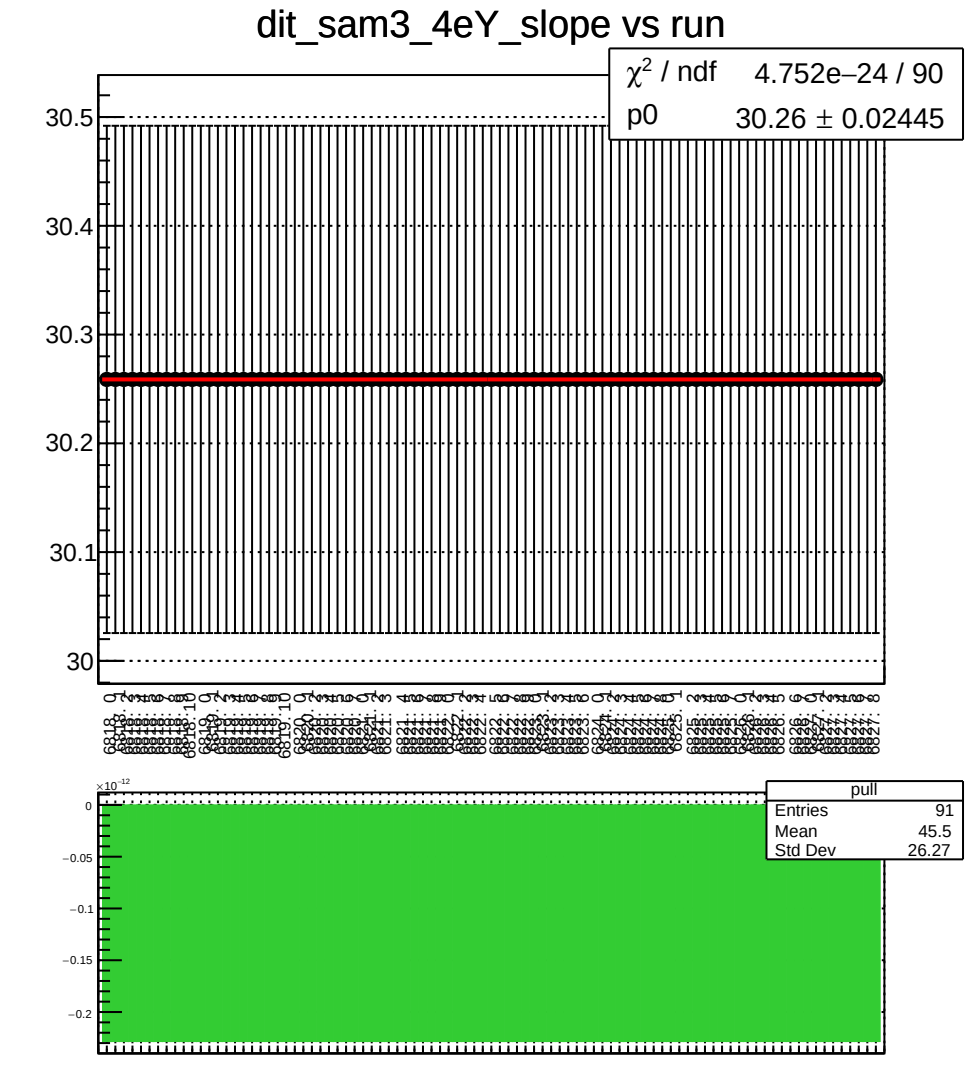

pull1D
Entries 91
Mean −5.614e−14
Std Dev1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

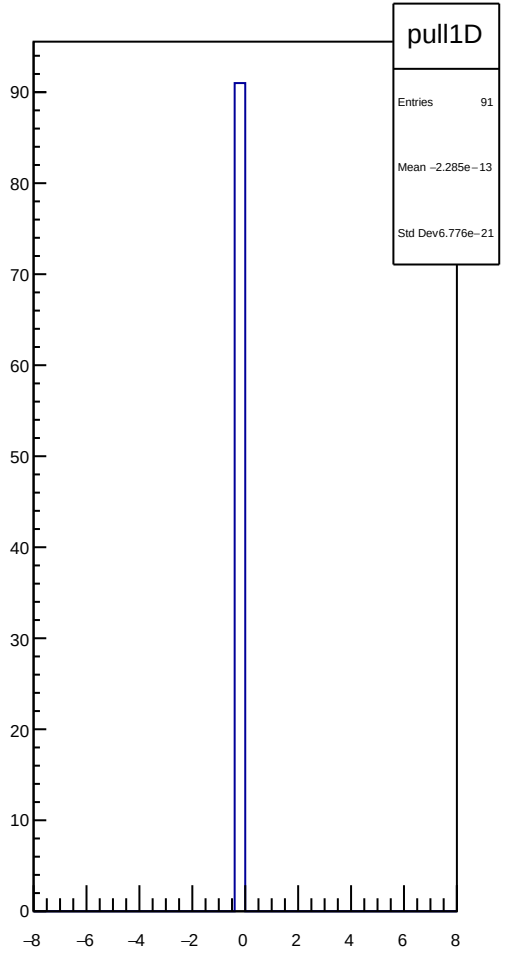

dit_sam3_11X12X_slope vs run
χ² / ndf 3.385e−27 / 90
p0 0.4615 ± 0.008587
0.54
0.52
0.5
0.48
0.46
0.44
0.42
0.4
0.38
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

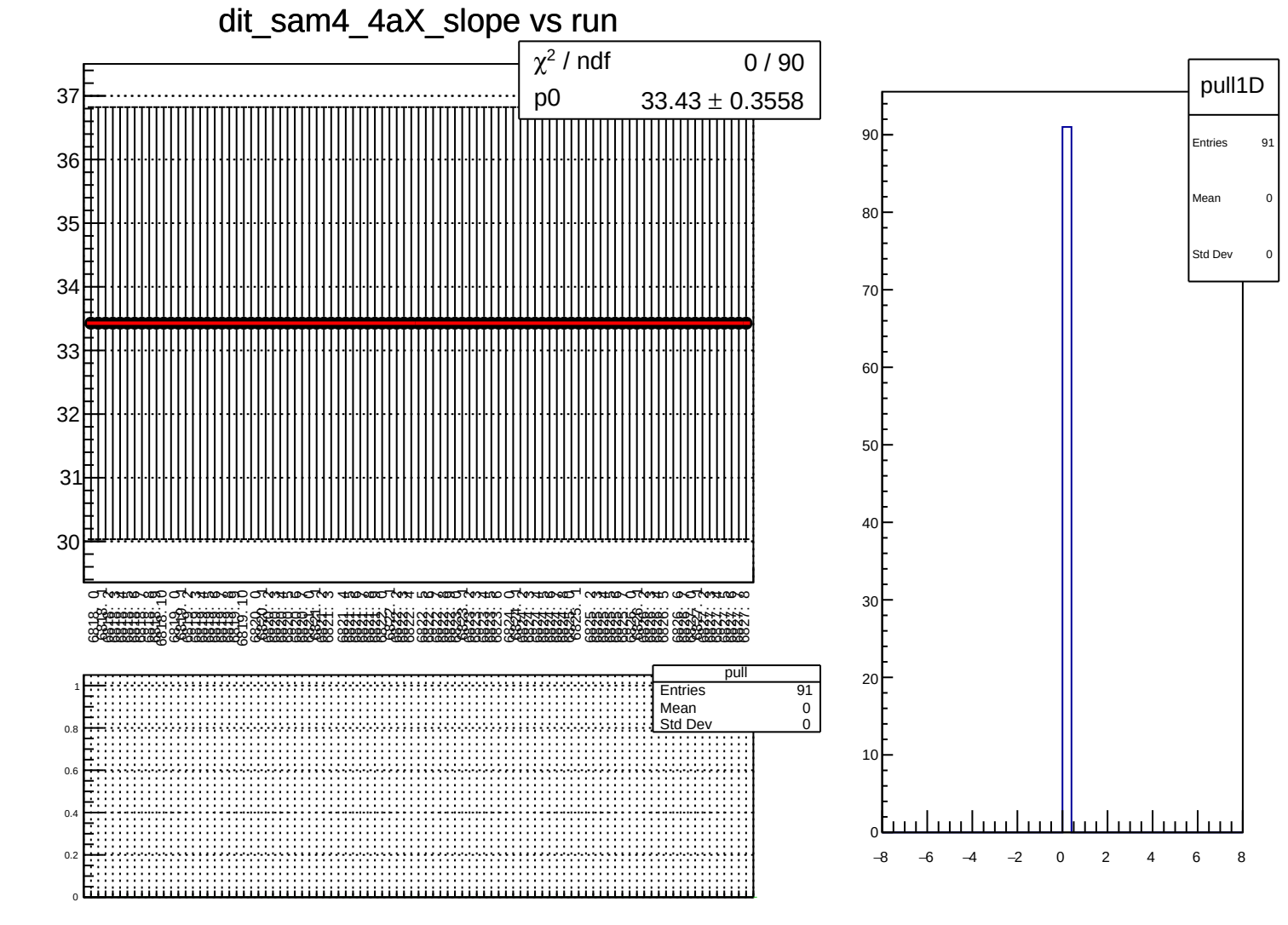

pull1D
Entries 91
Mean −6.099e−15
Std Dev3.087e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

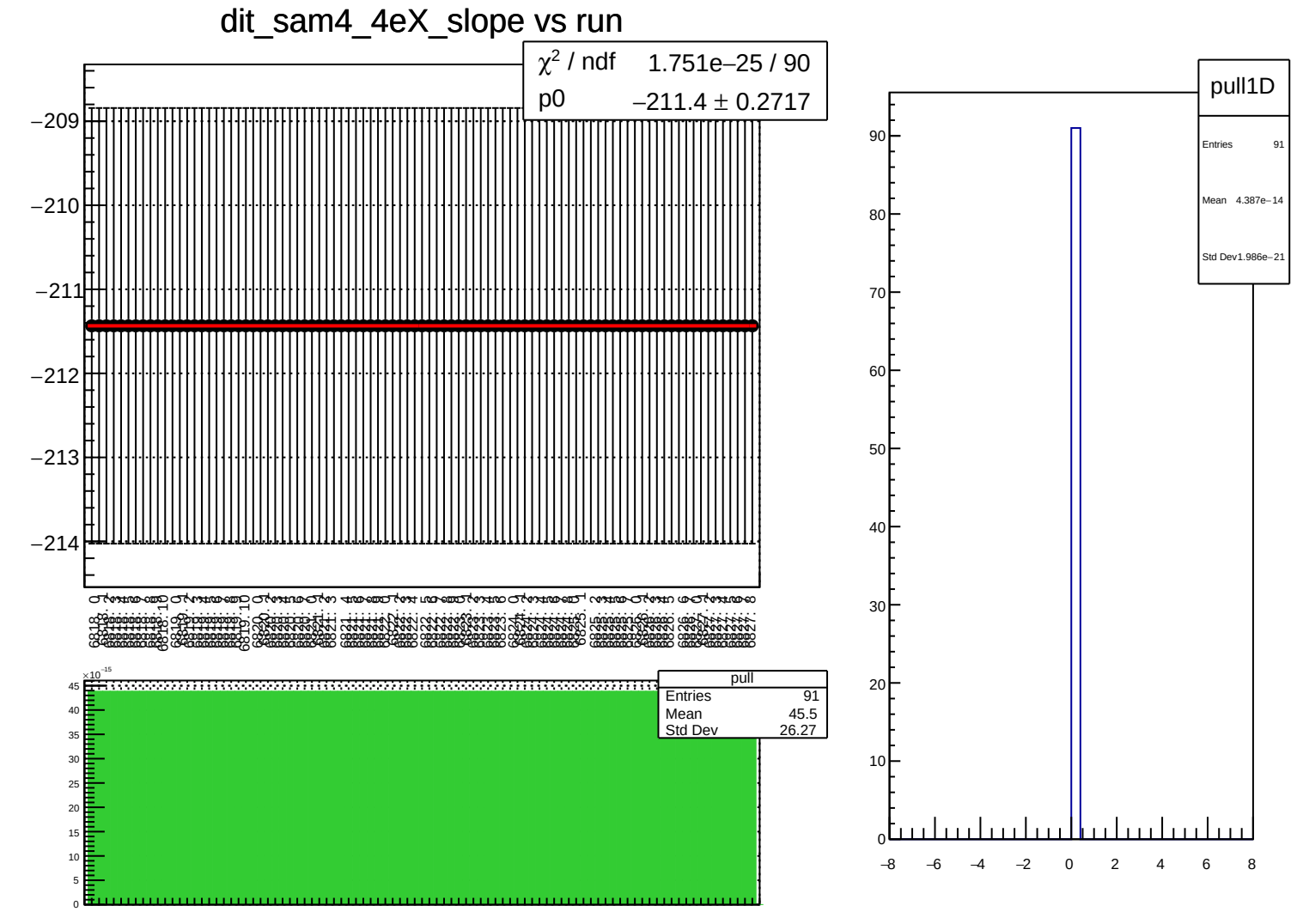

dit_sam3_4aY_slope vs run
χ² / ndf 7.224e−26 / 90
p0 −6.749 ± 0.01652
−6.6
−6.65
−6.7
−6.75
−6.8
−6.85
−6.9
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
25
20
15
10
5
0

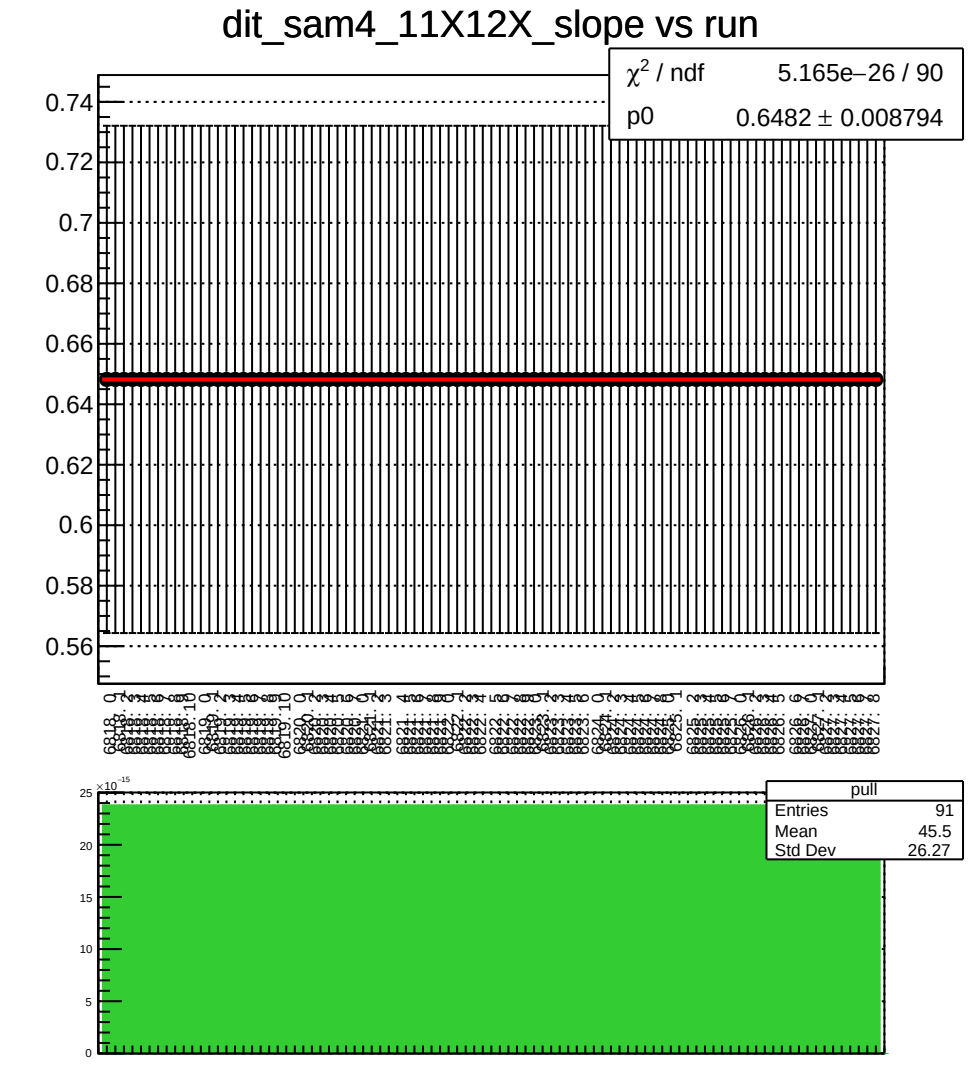

pull1D
Entries 91
Mean 2.818e−14
Std Dev2.139e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

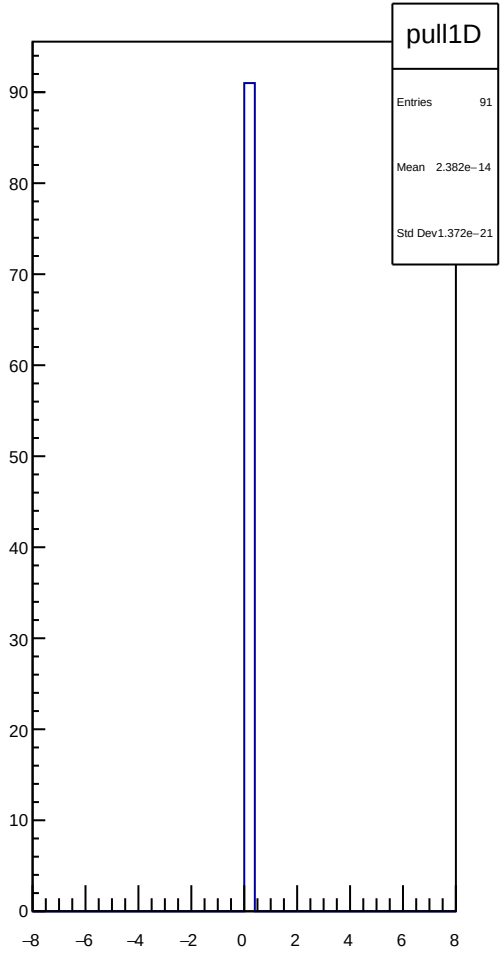

dit_sam3_4eY_slope vs run
χ^2 / ndf 4.752e−24 / 90
p0 30.26 ± 0.02445
30.5
30.4
30.3
30.2
30.1
30
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

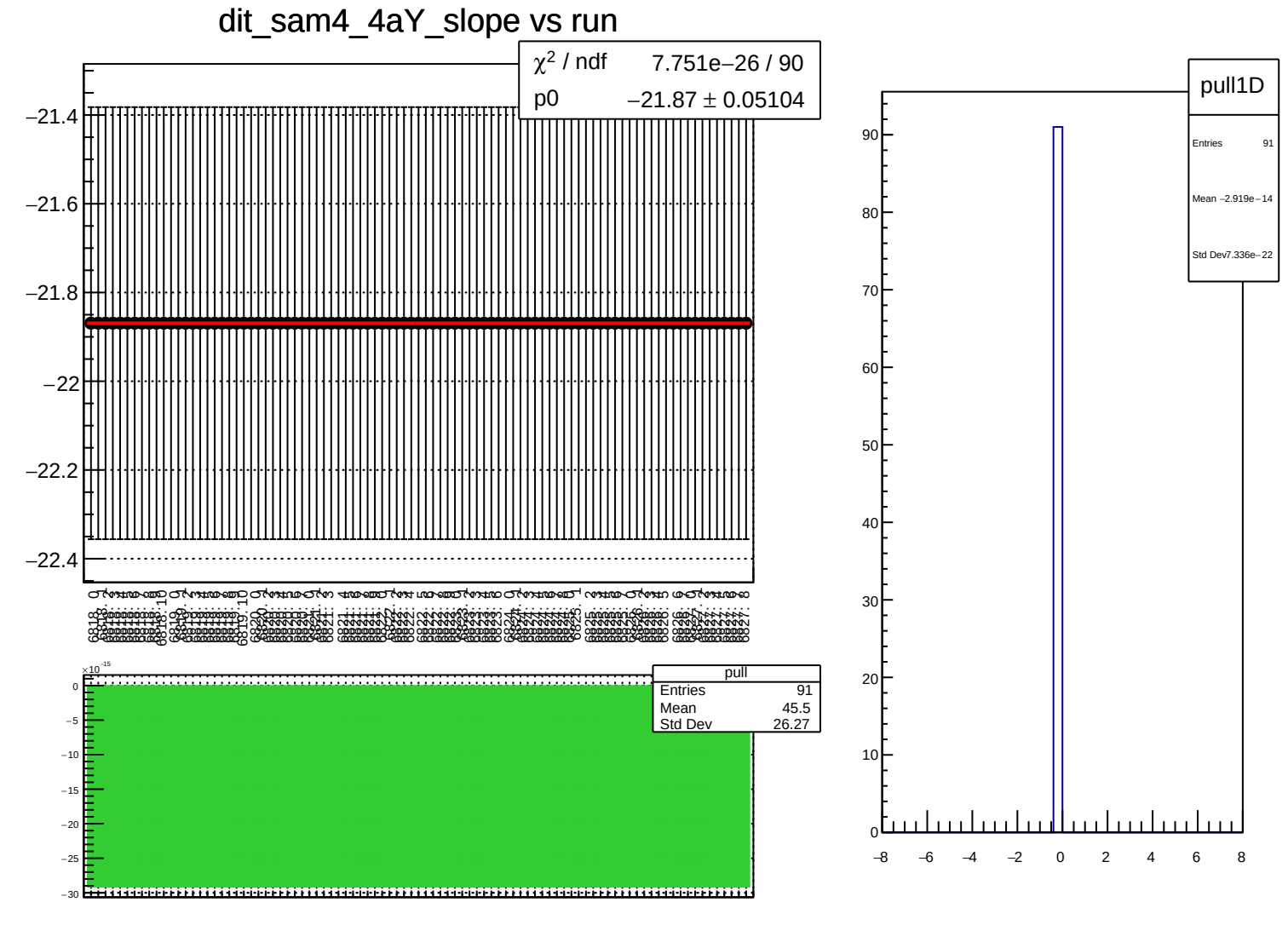

pull1D
Entries 91
Mean −2.285e−13
Std Dev6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

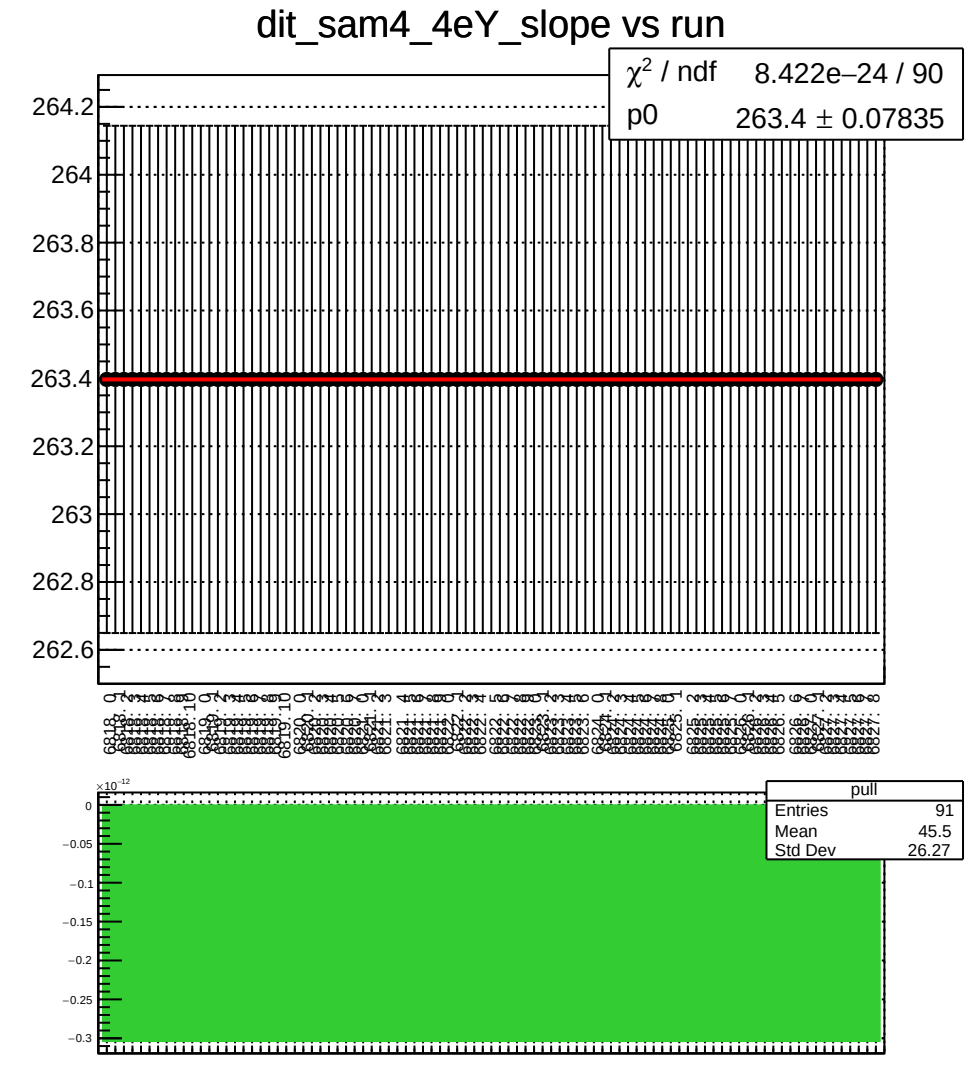

dit_sam4_4aX_slope vs run
χ² / ndf 0 / 90
p0 33.43 ± 0.3558
pull
Entries 91
Mean 0
Std Dev 0
pull1D
Entries 91
Mean 0
Std Dev 0

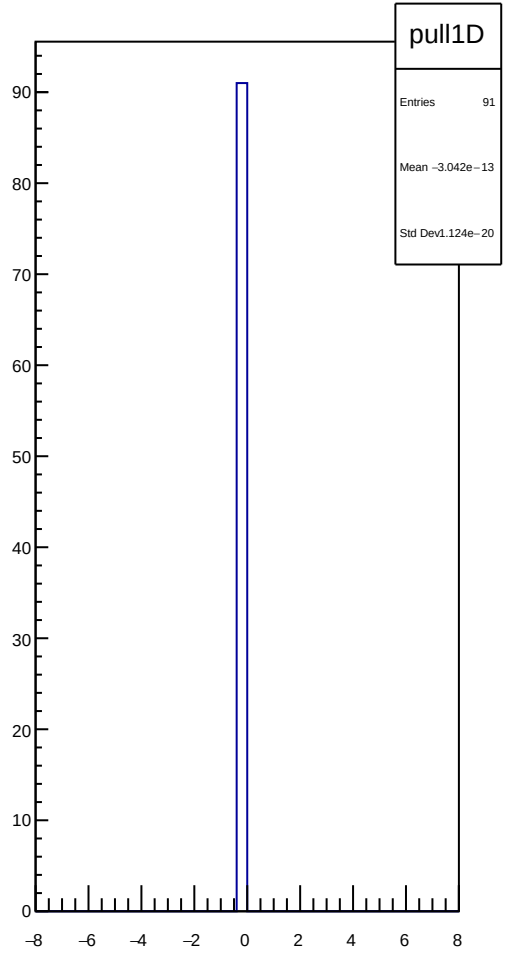

dit_sam4_4eX_slope vs run
χ² / ndf 1.751e−25 / 90
p0 −211.4 ± 0.2717
−209
−210
−211
−212
−213
−214
pull
Entries 91
Mean 45.5
Std Dev 26.27
pull1D
Entries 91
Mean 4.387e−14
Std Dev1.986e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

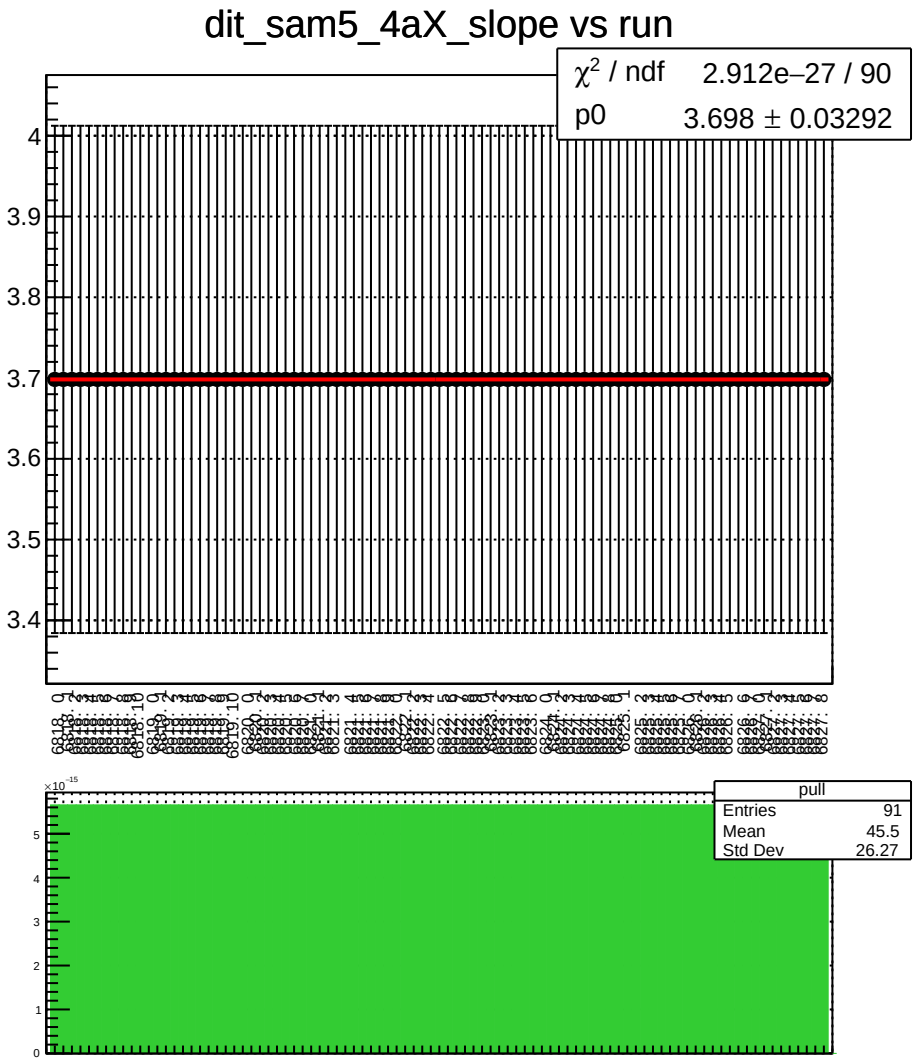

dit_sam4_11X12X_slope vs run
χ² / ndf 5.165e−26 / 90
p0 0.6482 ± 0.008794
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
25
20
15
10
5
0

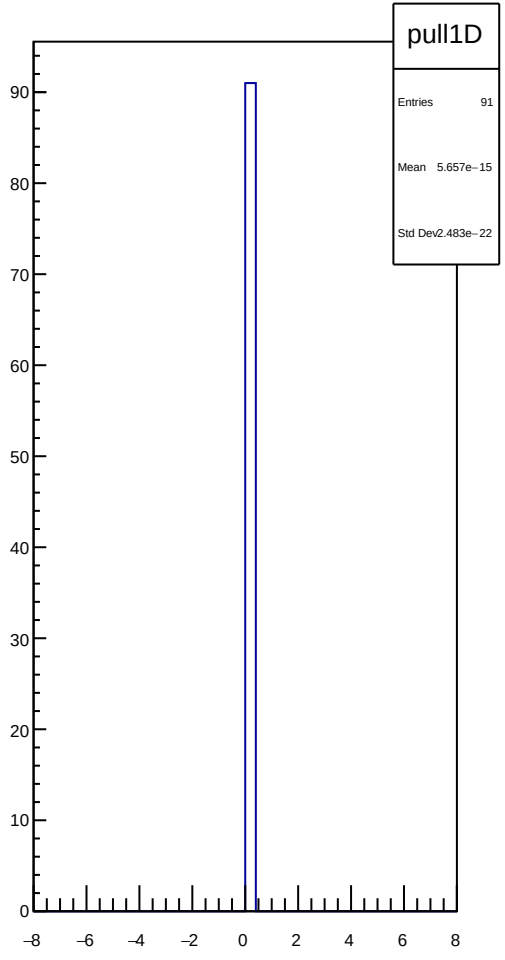

pull1D
Entries 91
Mean 2.382e−14
Std Dev1.372e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

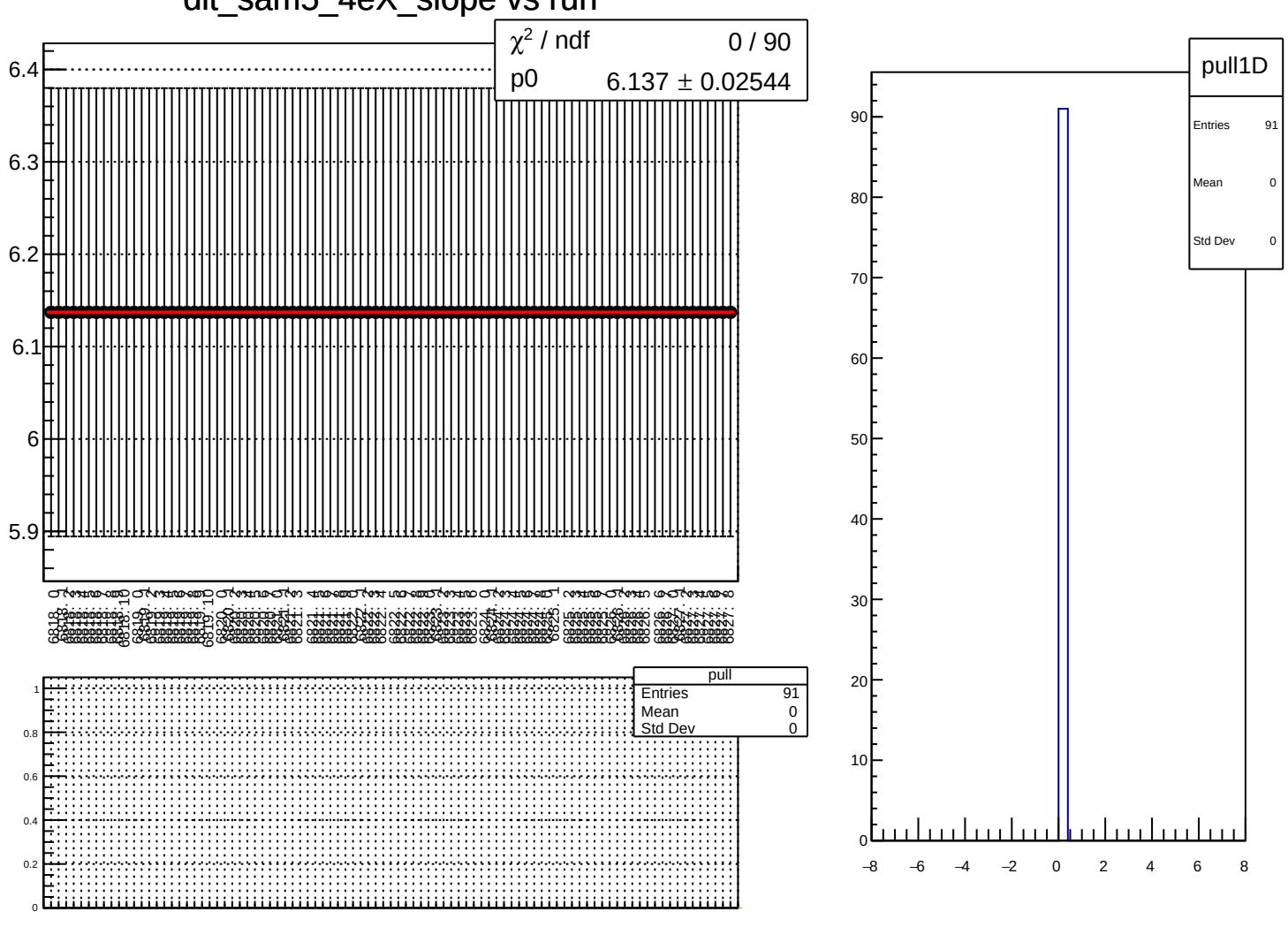

dit_sam4_4aY_slope vs run
χ² / ndf 7.751e−26 / 90
p0 −21.87 ± 0.05104
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
pull1D
Entries 91
Mean −2.919e−14
Std Dev7.336e−22

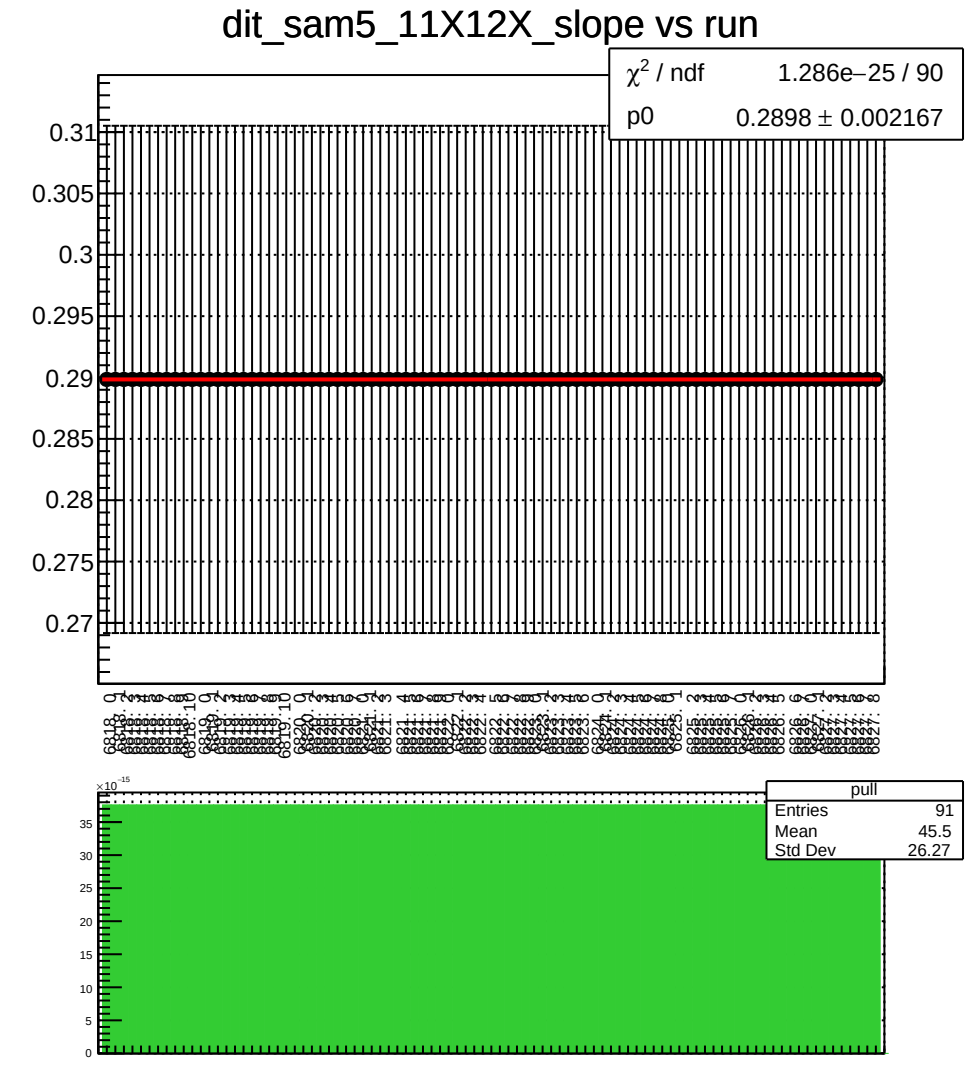

dit_sam4_4eY_slope vs run
χ^2 / ndf 8.422e−24 / 90
p0 263.4 ± 0.07835
264.2
264
263.8
263.6
263.4
263.2
263
262.8
262.6
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

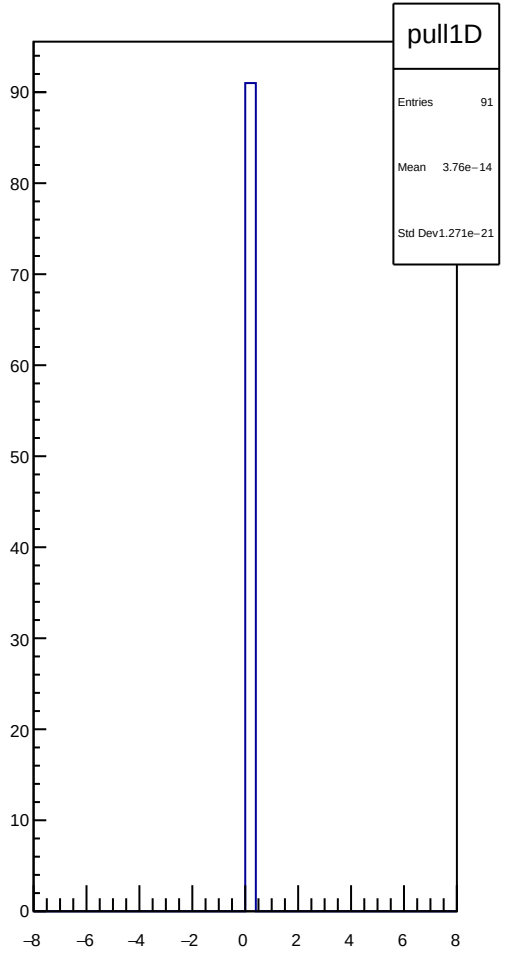

pull1D
Entries 91
Mean −3.042e−13
Std Dev1.124e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

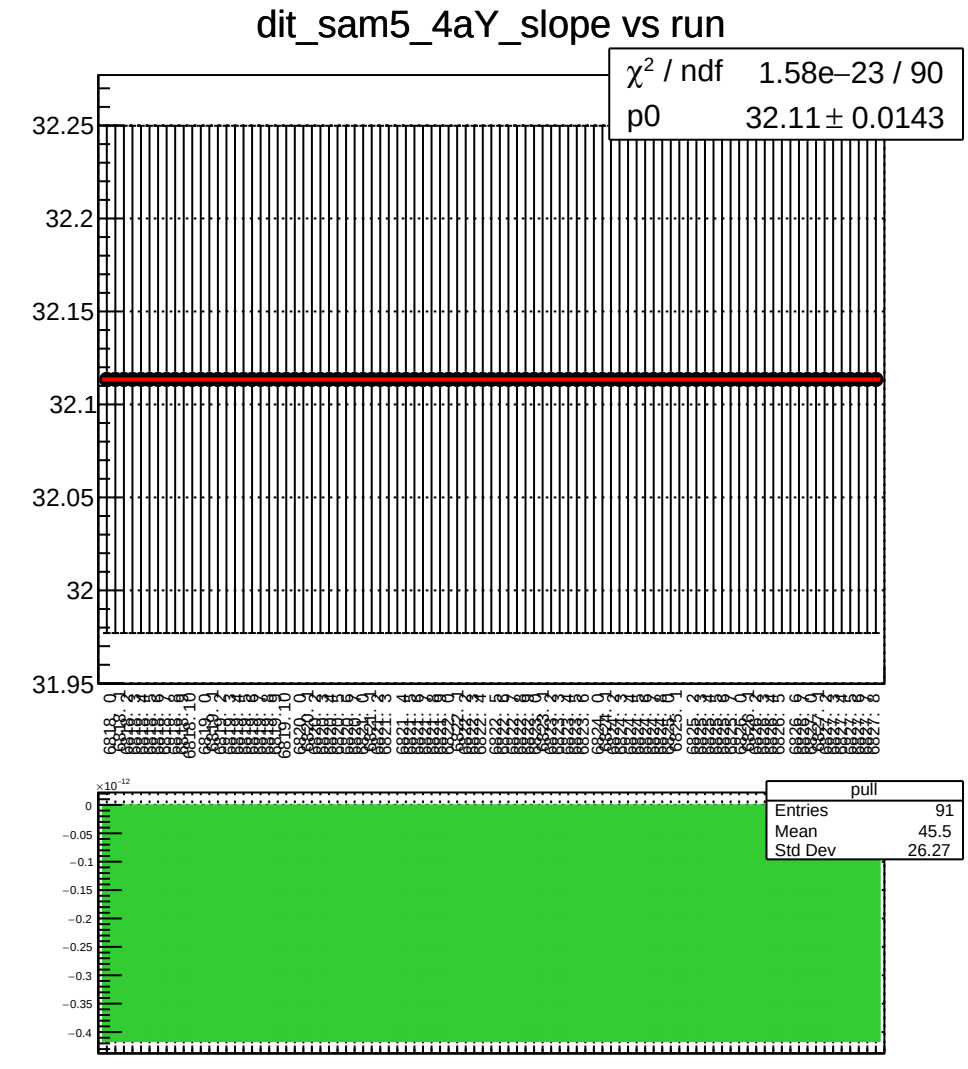

dit_sam5_4aX_slope vs run
χ² / ndf 2.912e−27 / 90
p0 3.698 ± 0.03292
4
3.9
3.8
3.7
3.6
3.5
3.4
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
5
4
3
2
1
0

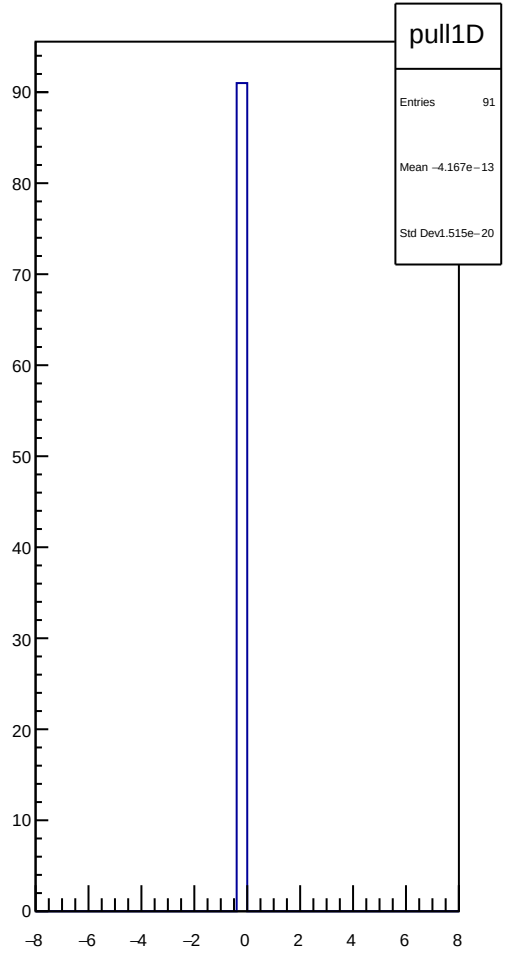

pull1D
Entries 91
Mean 5.657e−15
Std Dev2.483e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

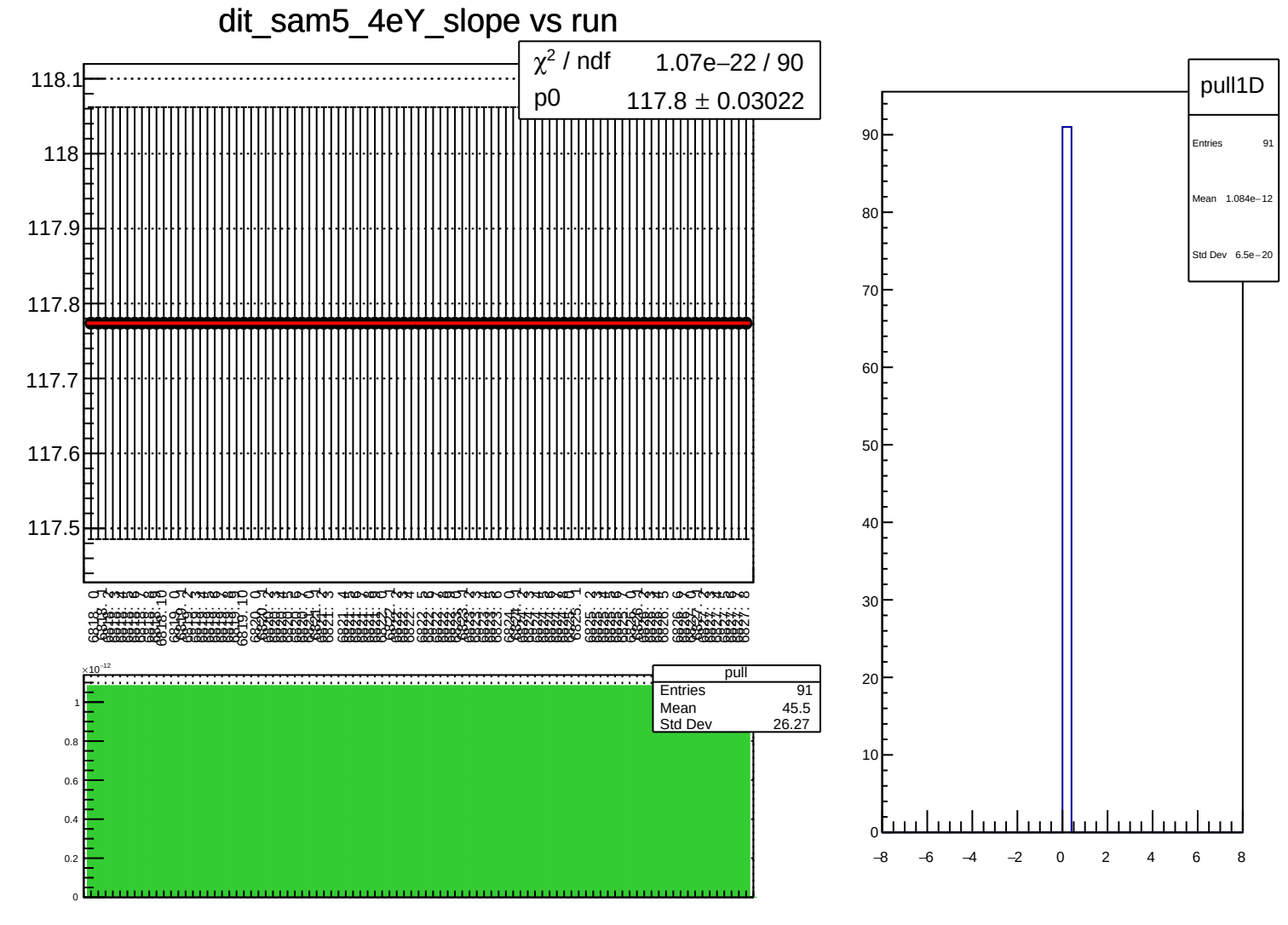

dit_sam5_4eX_slope vs run
χ² / ndf 0 / 90
p0 6.137 ± 0.02544
6.4
6.3
6.2
6.1
6
5.9
pull
Entries 91
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 91
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

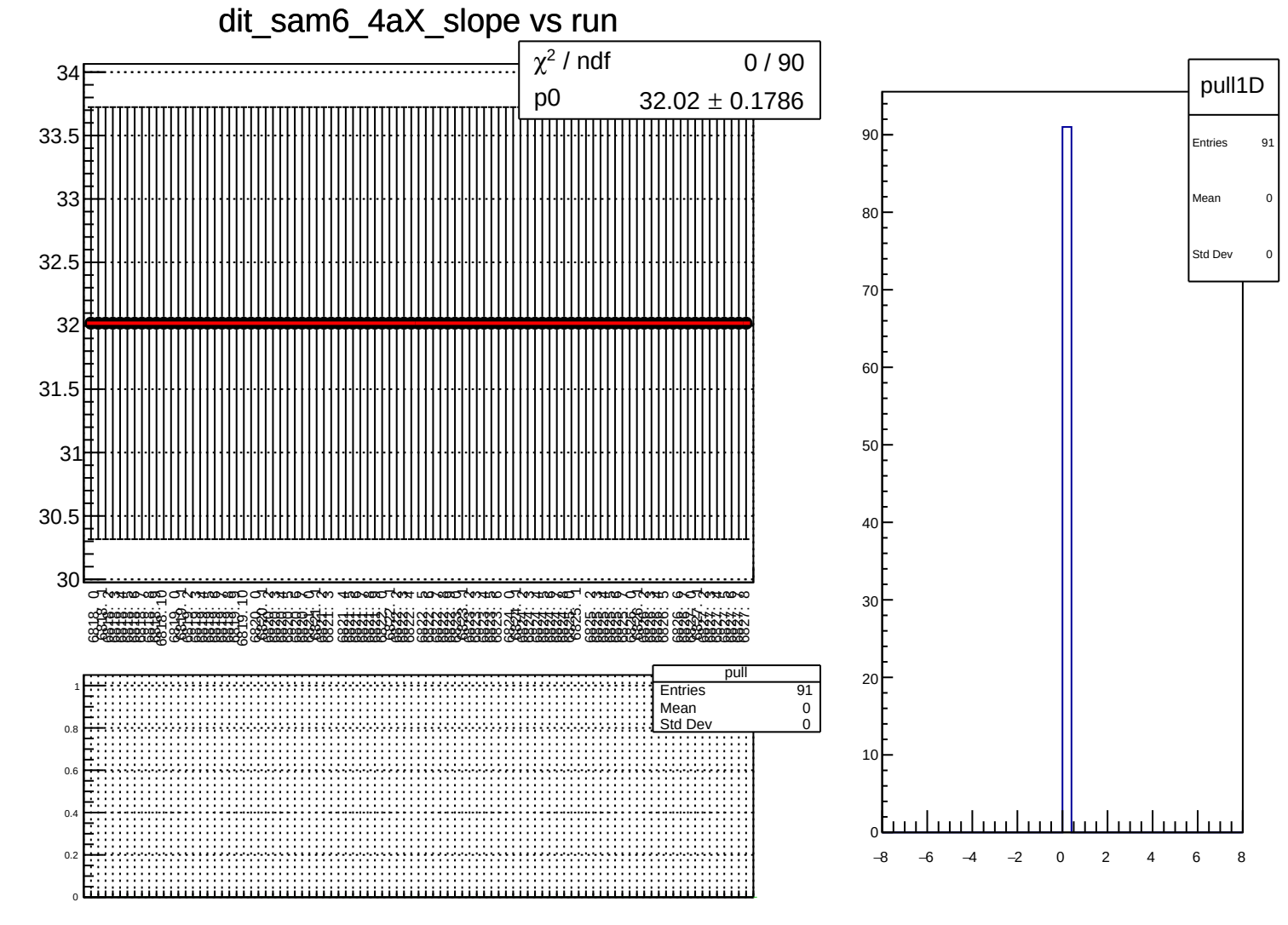

dit_sam5_11X12X_slope vs run
χ² / ndf 1.286e−25 / 90
p0 0.2898 ± 0.002167
0.31
0.305
0.3
0.295
0.29
0.285
0.28
0.275
0.27
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
35
30
25
20
15
10
5
0

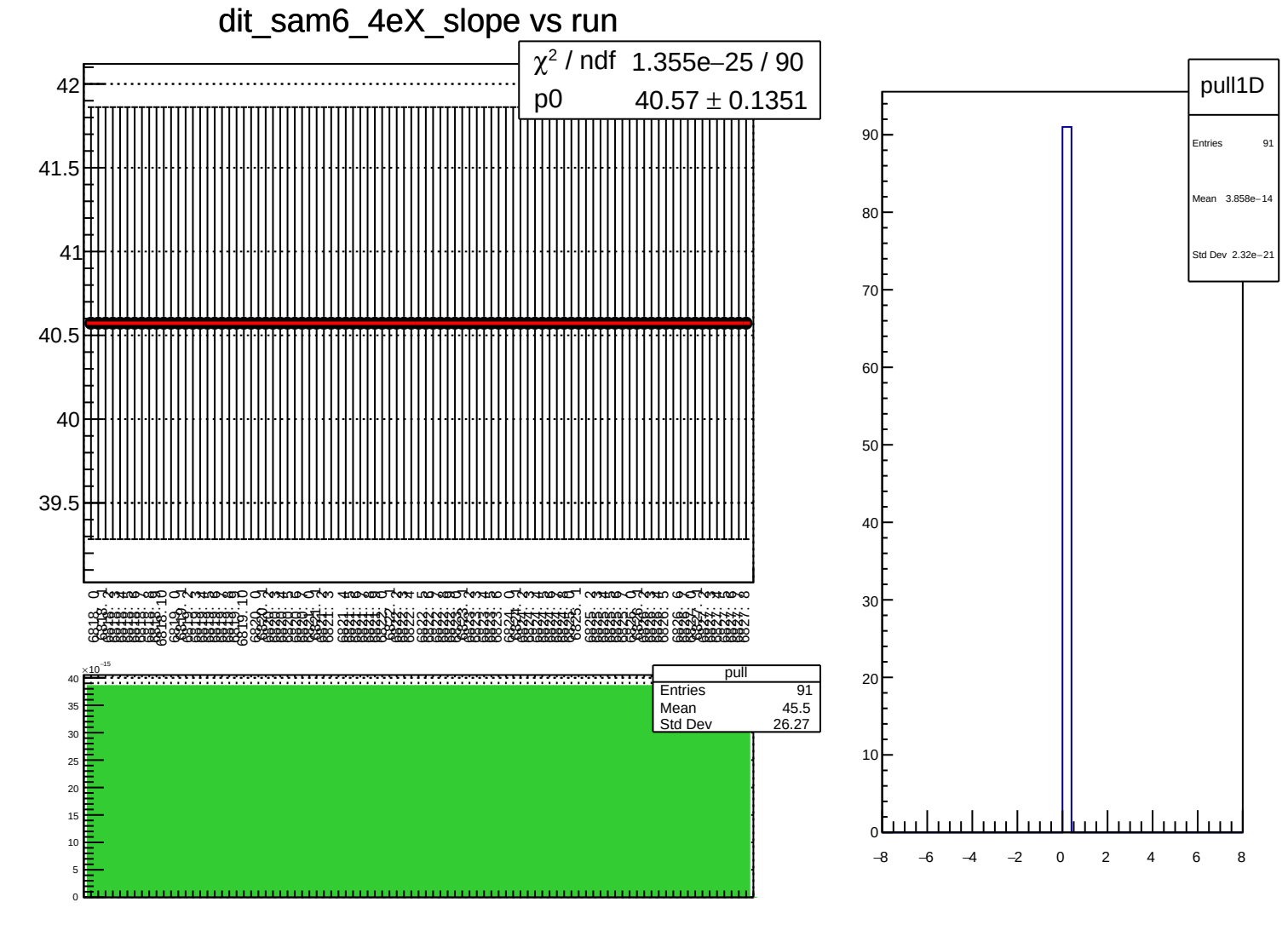

pull1D
Entries 91
Mean 3.76e−14
Std Dev 1.271e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

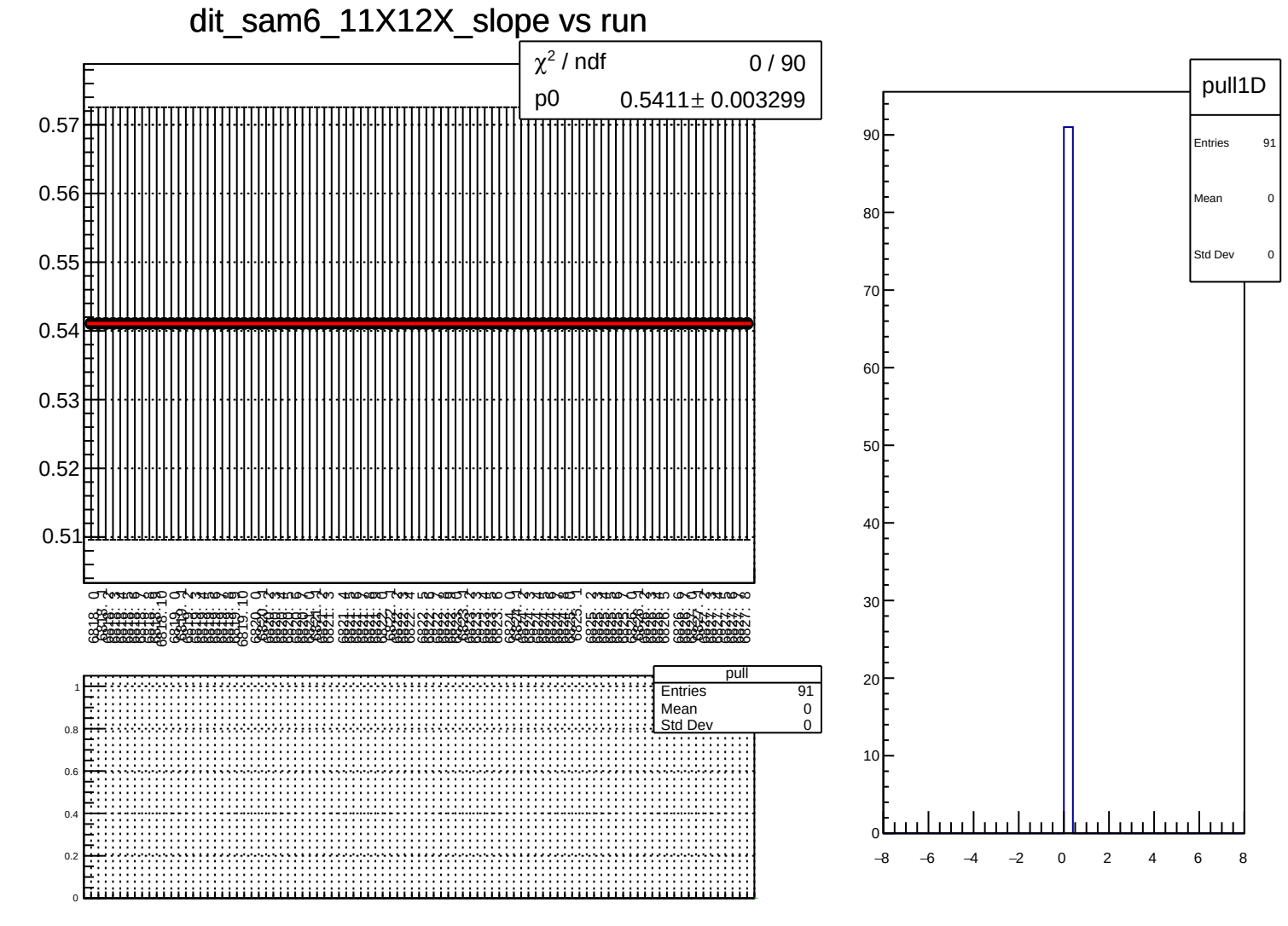

dit_sam5_4aY_slope vs run
χ² / ndf 1.58e−23 / 90
p0 32.11 ± 0.0143
32.25
32.2
32.15
32.1
32.05
32
31.95
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

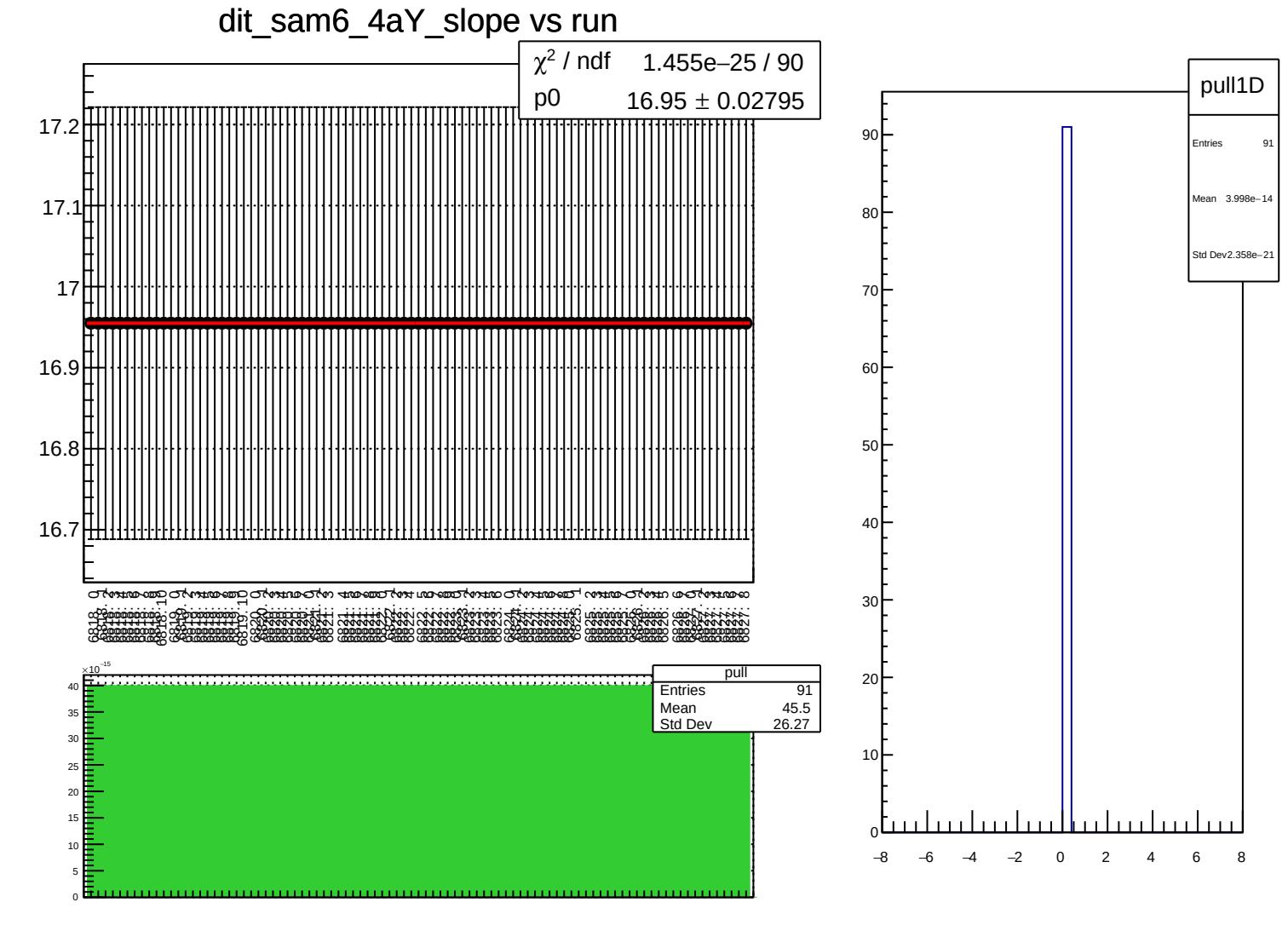

pull1D
Entries 91
Mean −4.167e−13
Std Dev1.515e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

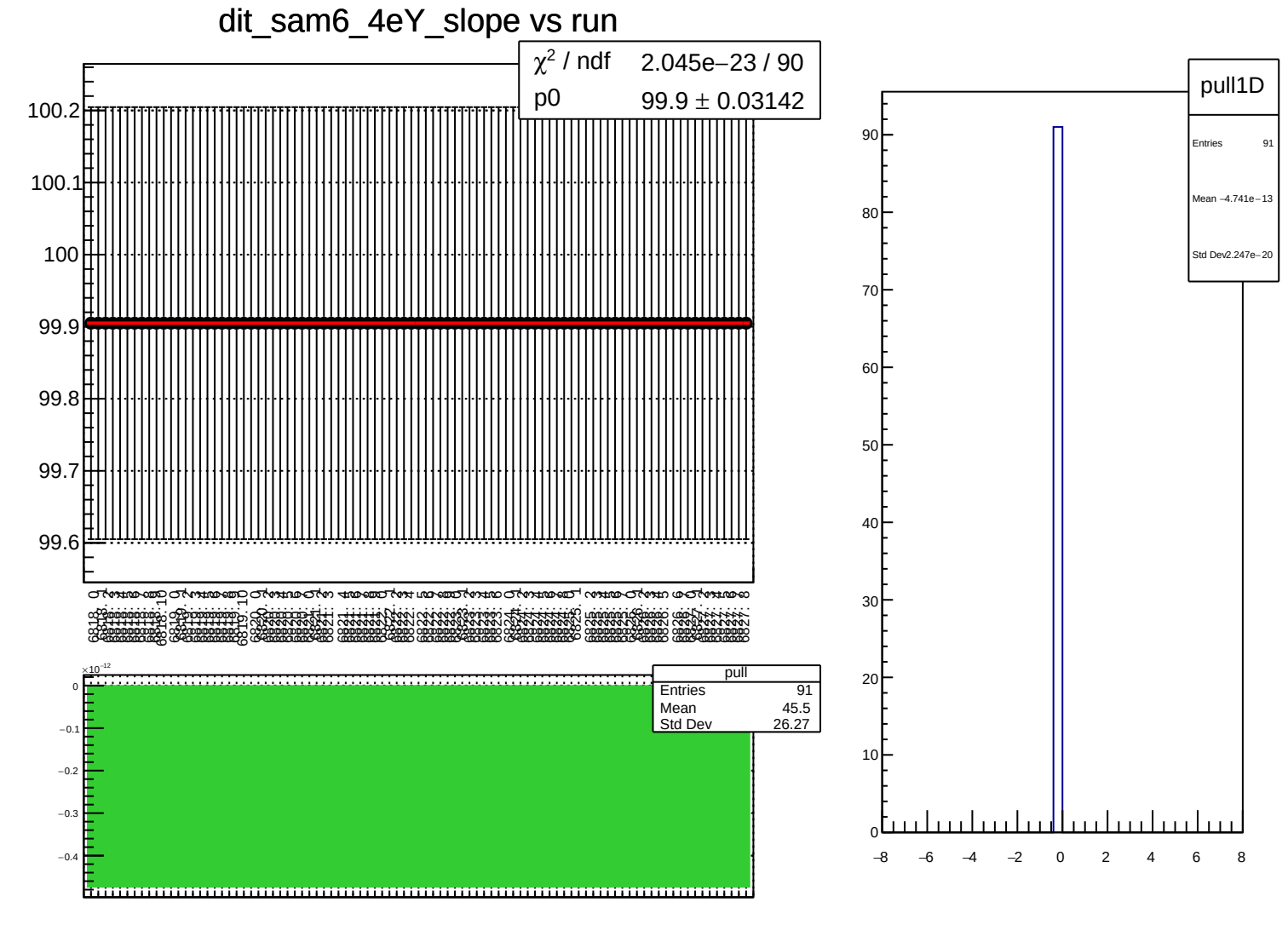

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.07e−22 / 90
p0 117.8 ± 0.03022
118.1
118
117.9
117.8
117.7
117.6
117.5
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
pull1D
Entries 91
Mean 1.084e−12
Std Dev 6.5e−20

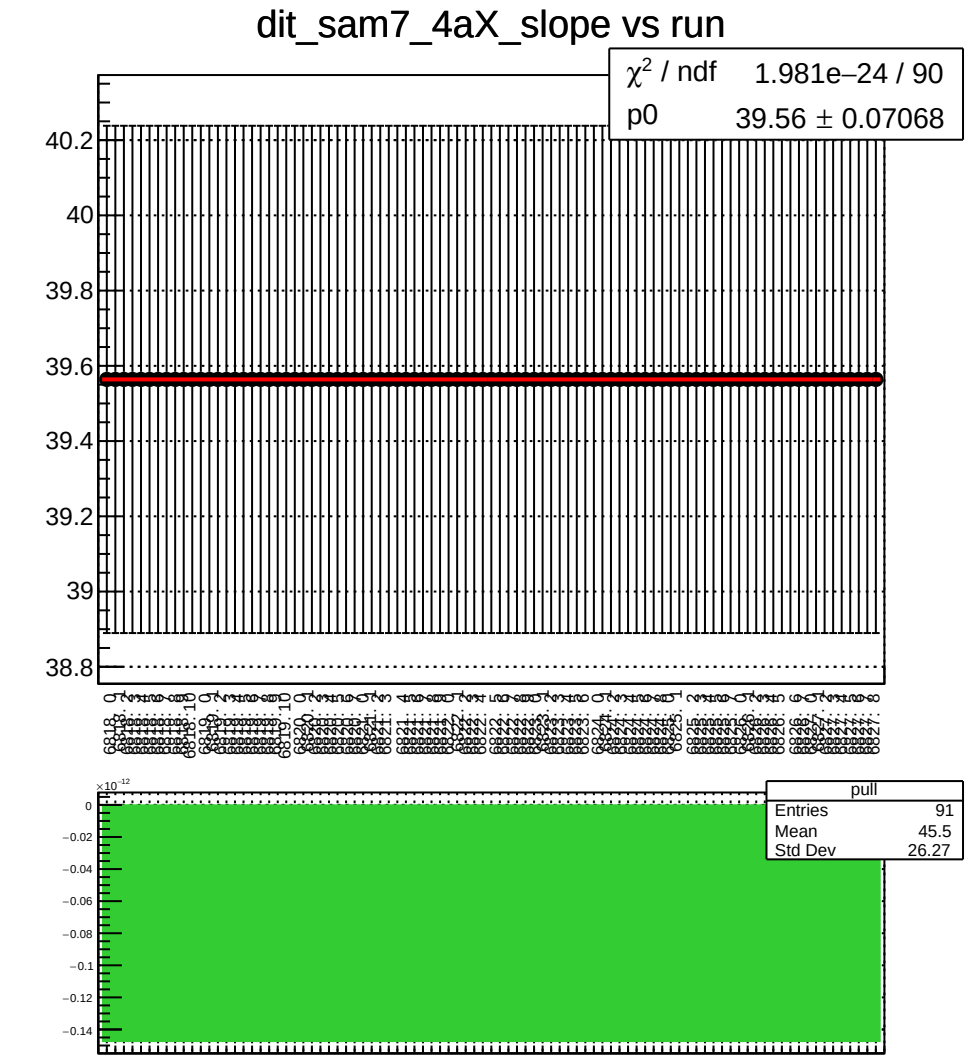

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 90
p0 32.02 ± 0.1786
pull
Entries 91
Mean 0
Std Dev 0
pull1D
Entries 91
Mean 0
Std Dev 0

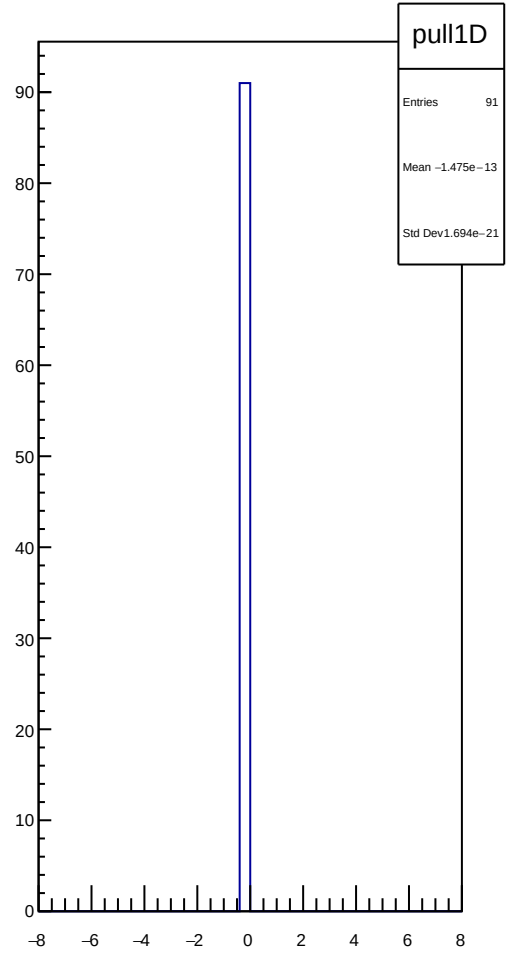

dit_sam6_4eX_slope vs run
χ² / ndf 1.355e−25 / 90
p0 40.57 ± 0.1351
pull
Entries 91
Mean 45.5
Std Dev 26.27
pull1D
Entries 91
Mean 3.858e−14
Std Dev 2.32e−21

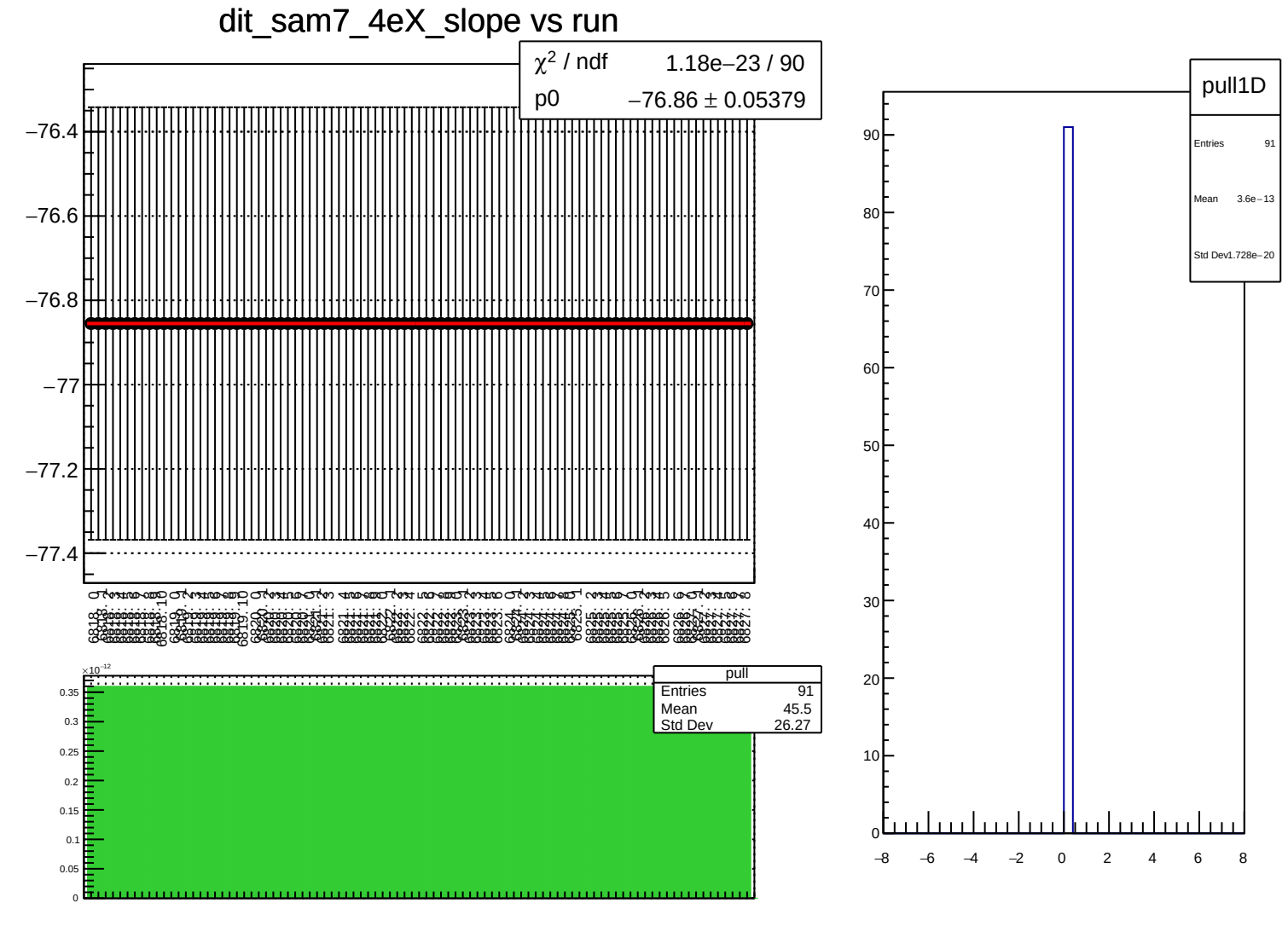

dit_sam6_11X12X_slope vs run
χ² / ndf 0 / 90
p0 0.5411 ± 0.003299
0.57
0.56
0.55
0.54
0.53
0.52
0.51
pull
Entries 91
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 91
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

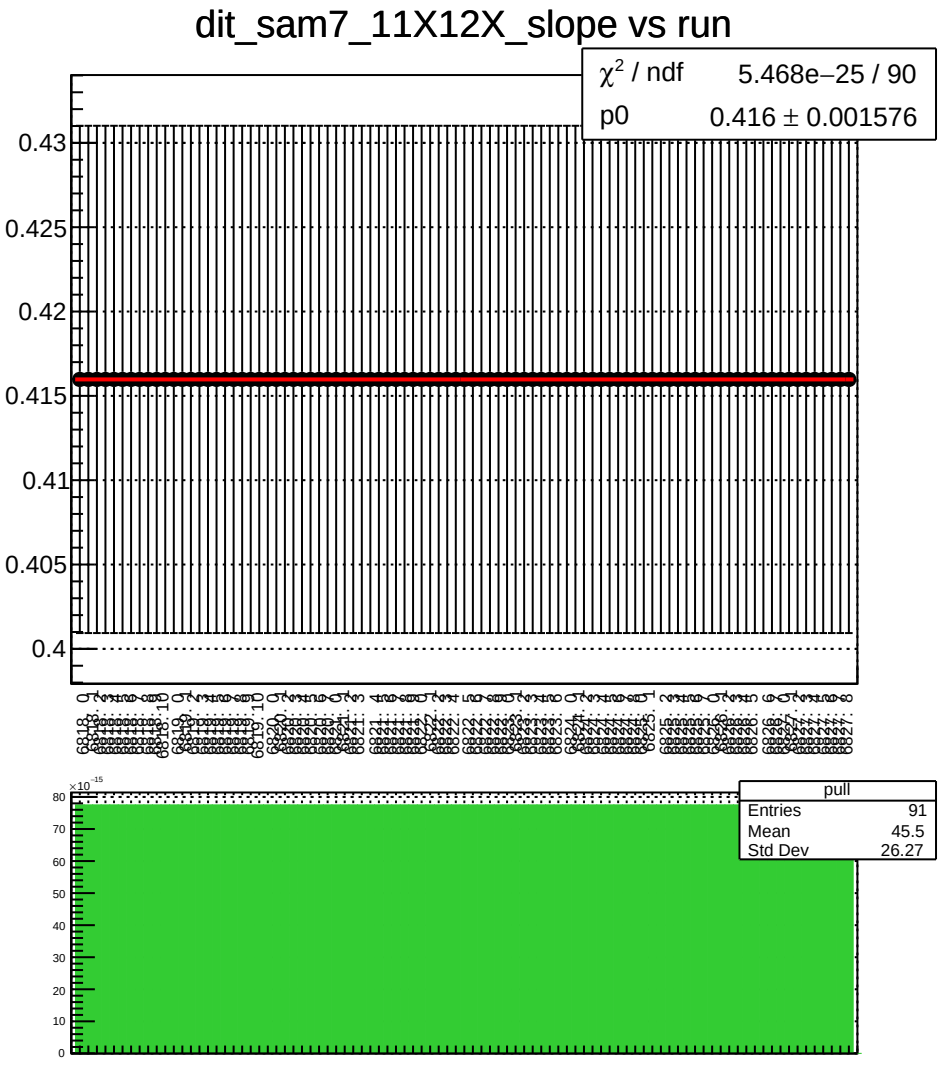

dit_sam6_4aY_slope vs run
χ² / ndf 1.455e−25 / 90
p0 16.95 ± 0.02795
17.2
17.1
17
16.9
16.8
16.7
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 91
Mean 3.998e−14
Std Dev2.358e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

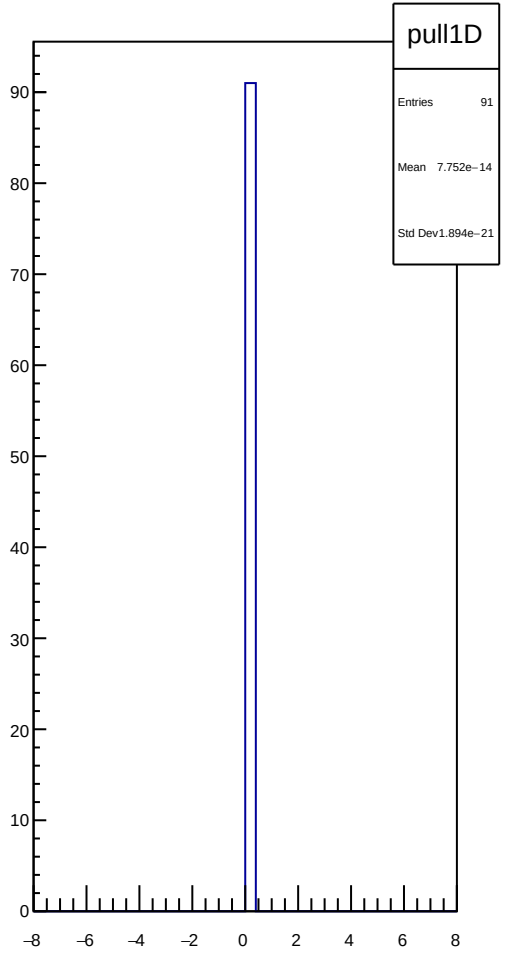

dit_sam6_4eY_slope vs run
χ^2 / ndf 2.045e−23 / 90
p0 99.9 ± 0.03142
100.2
100.1
100
99.9
99.8
99.7
99.6
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 91
Mean −4.741e−13
Std Dev 2.247e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

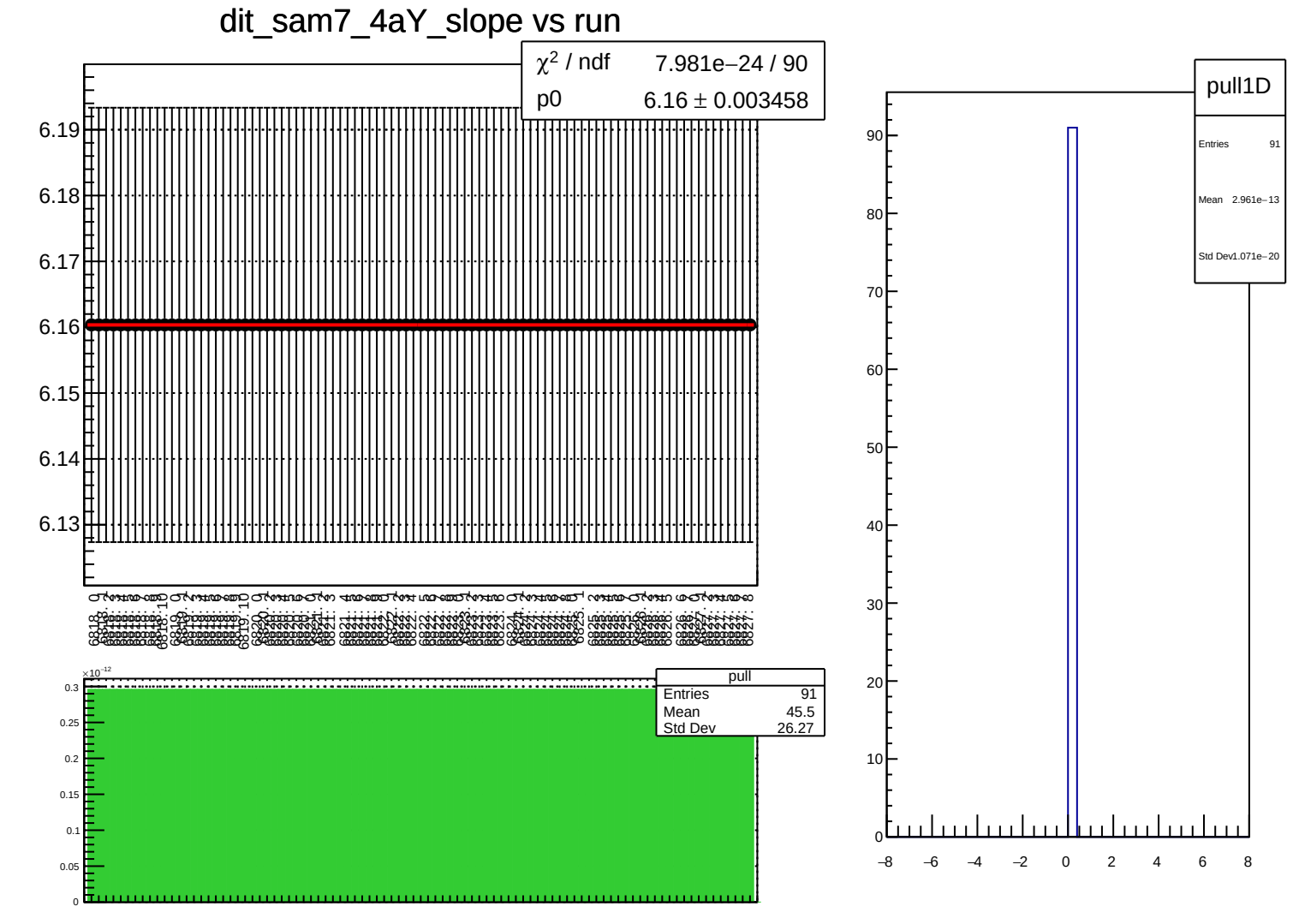

dit_sam7_4aX_slope vs run
χ² / ndf 1.981e−24 / 90
p0 39.56 ± 0.07068
40.2
40
39.8
39.6
39.4
39.2
39
38.8
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

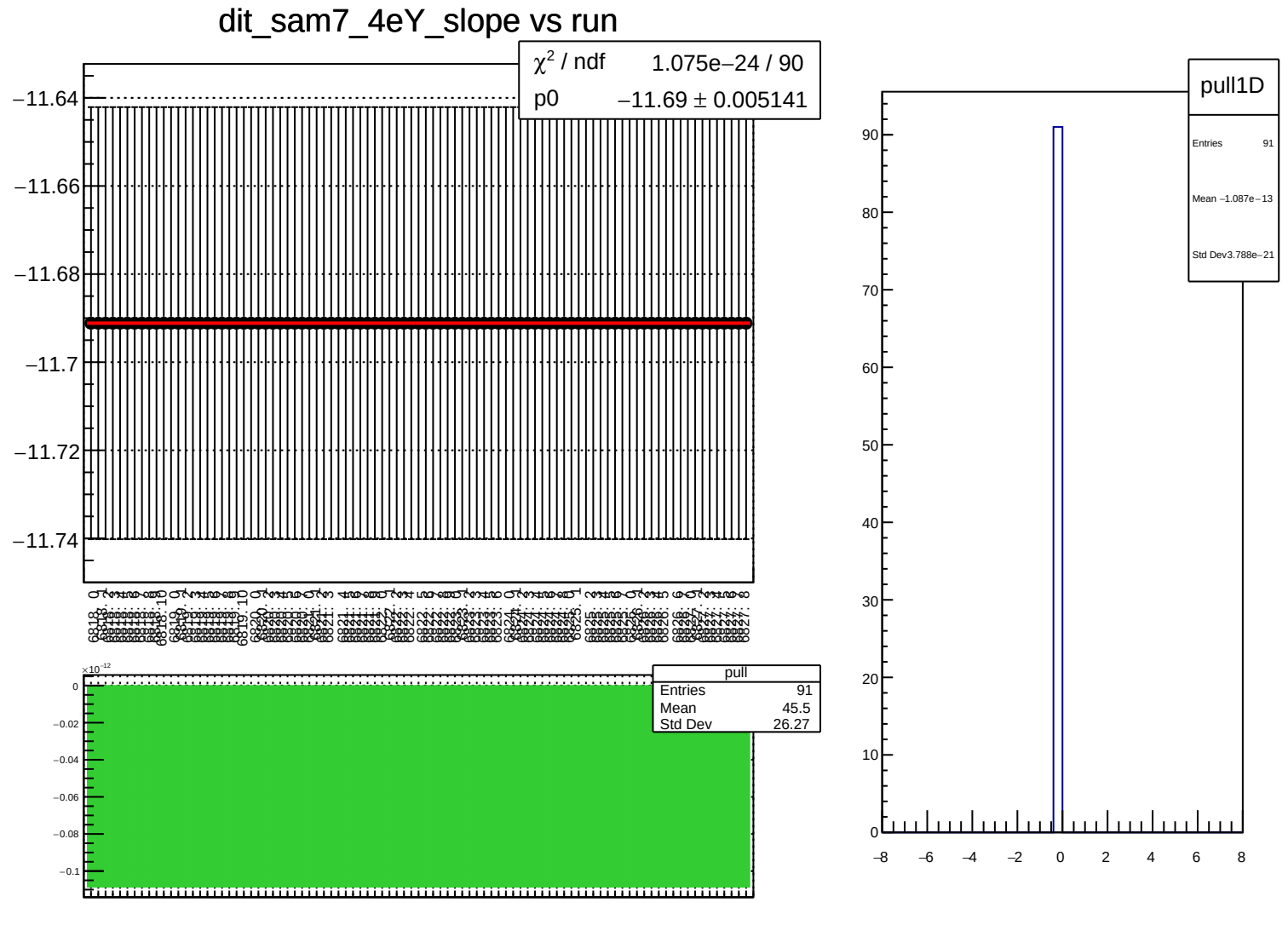

pull1D
Entries 91
Mean −1.475e−13
Std Dev1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

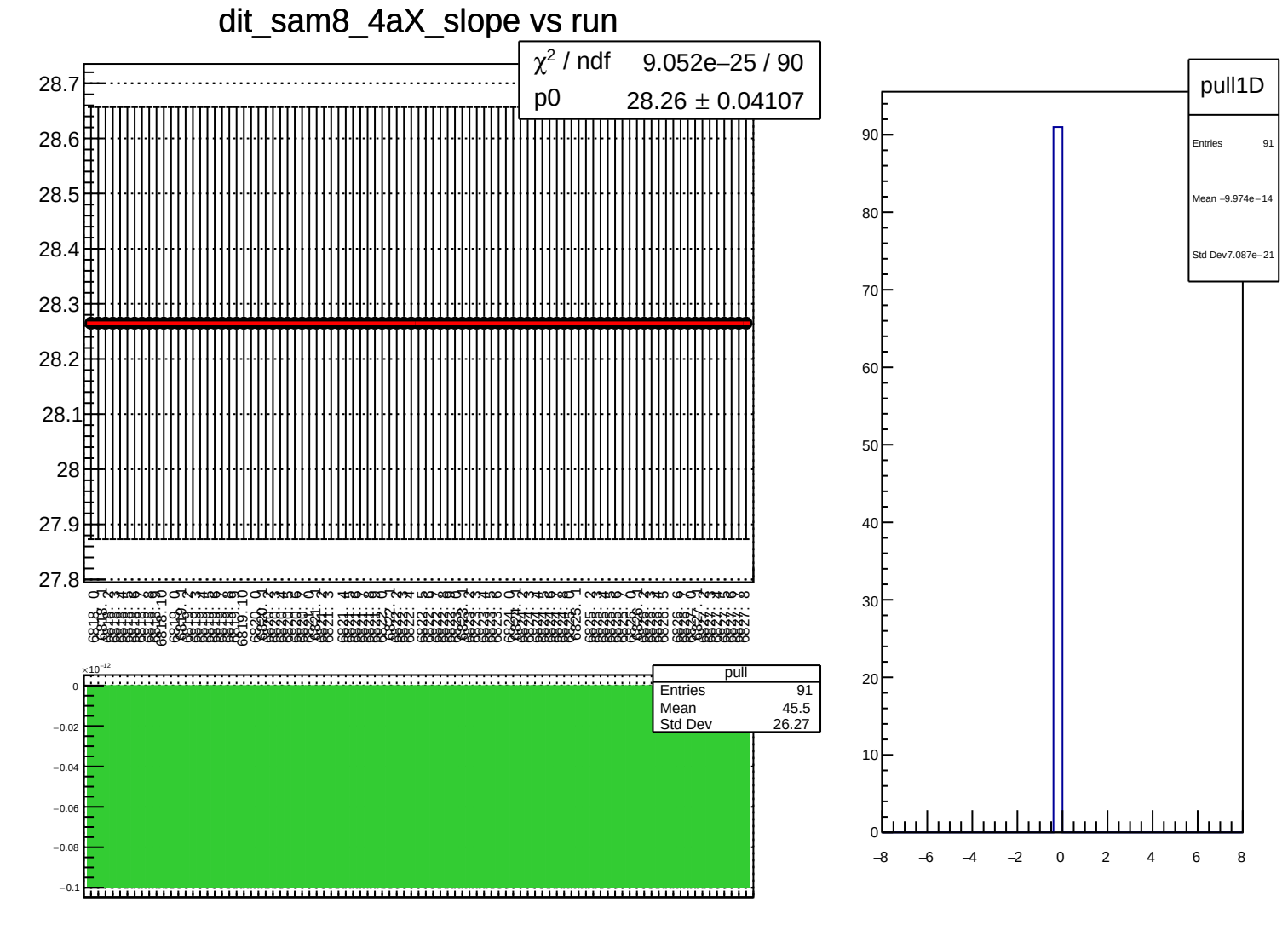

dit_sam7_4eX_slope vs run
χ² / ndf 1.18e−23 / 90
p0 −76.86 ± 0.05379
−76.4
−76.6
−76.8
−77
−77.2
−77.4
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 91
Mean 3.6e−13
Std Dev 1.728e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

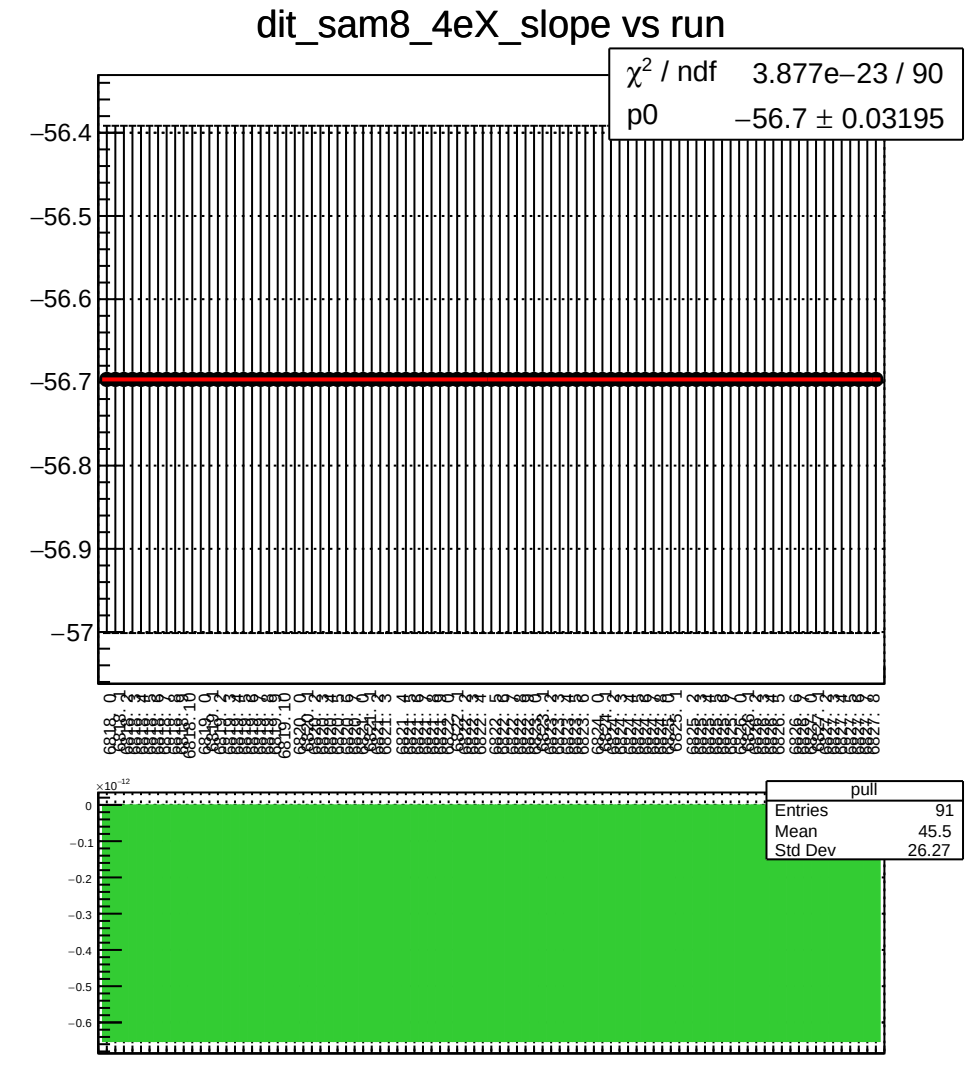

dit_sam7_11X12X_slope vs run
χ² / ndf 5.468e−25 / 90
p0 0.416 ± 0.001576
0.43
0.425
0.42
0.415
0.41
0.405
0.4
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

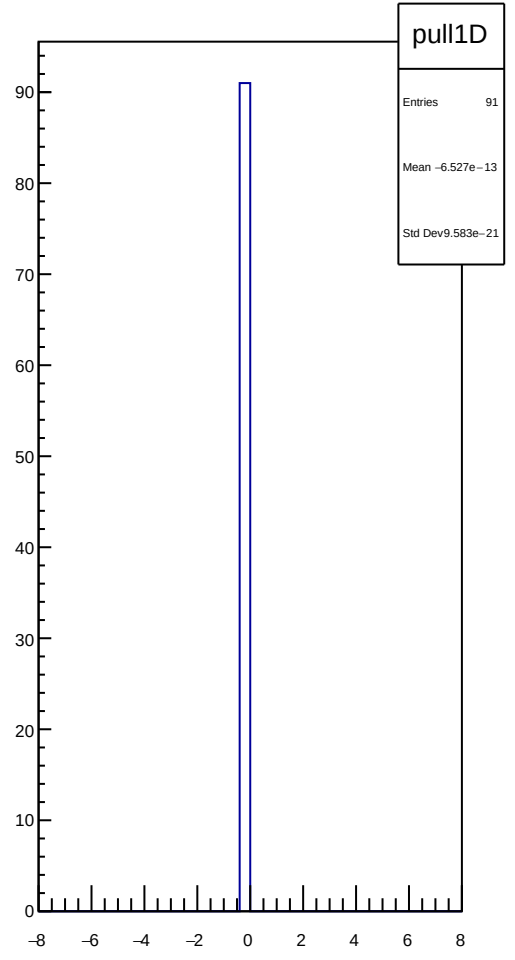

pull1D
Entries 91
Mean 7.752e−14
Std Dev1.894e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

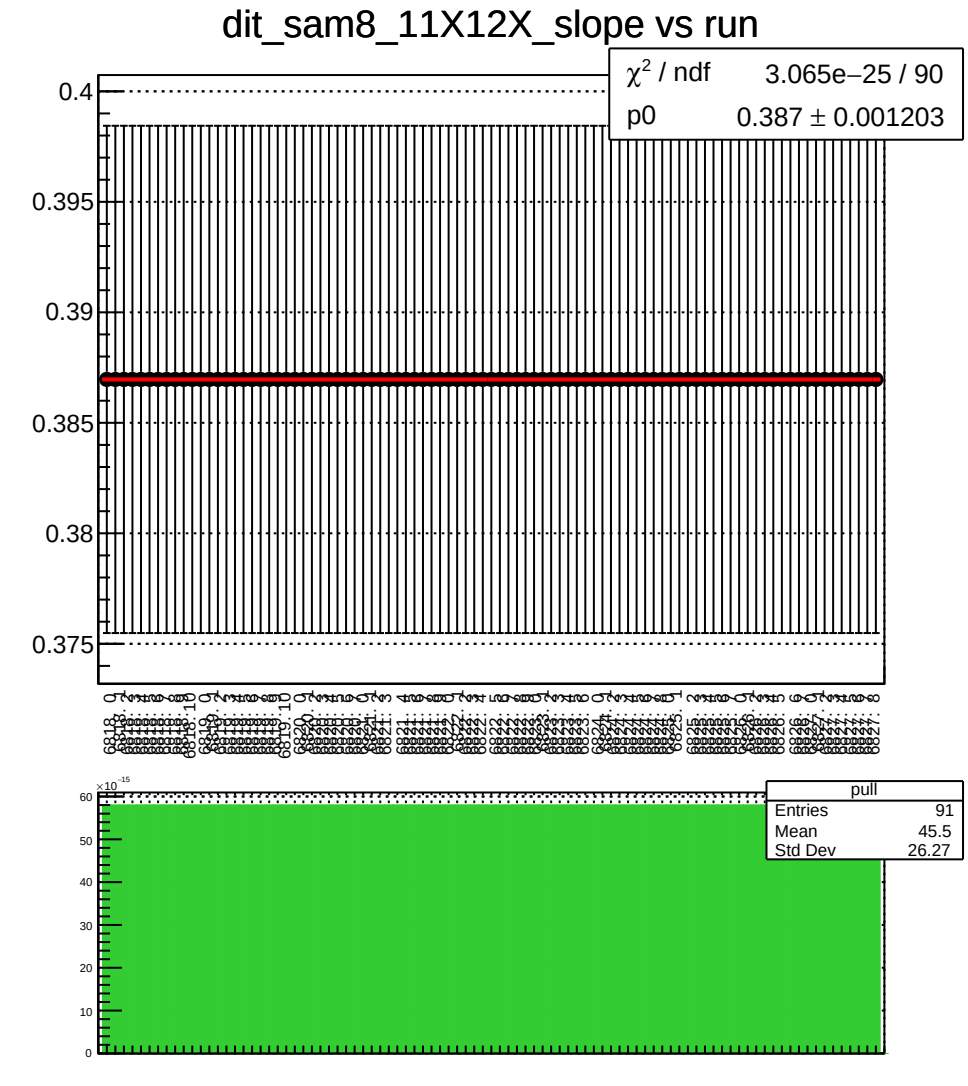

dit_sam7_4aY_slope vs run
χ² / ndf 7.981e−24 / 90
p0 6.16 ± 0.003458
6.19
6.18
6.17
6.16
6.15
6.14
6.13
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 91
Mean 2.961e−13
Std Dev1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

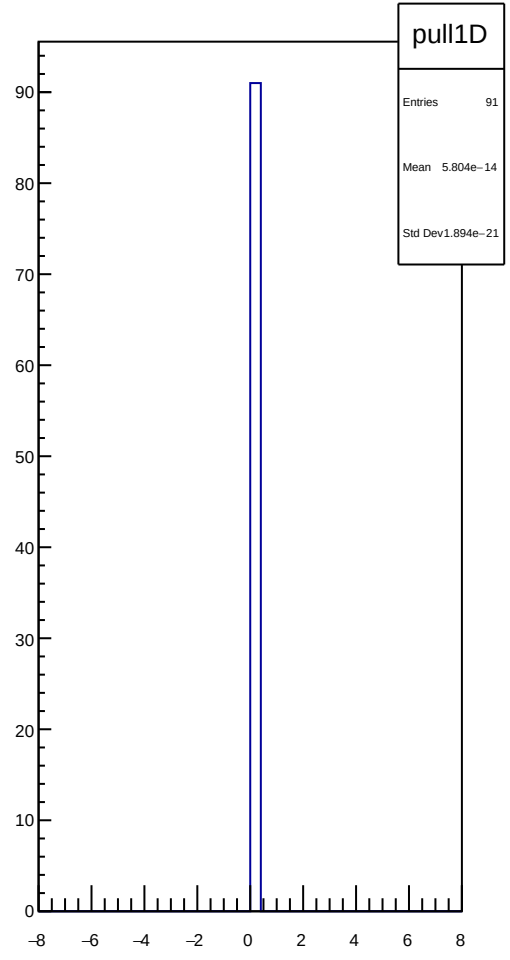

dit_sam7_4eY_slope vs run
χ² / ndf 1.075e−24 / 90
p0 −11.69 ± 0.005141
−11.64
−11.66
−11.68
−11.7
−11.72
−11.74
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 91
Mean −1.087e−13
Std Dev3.788e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

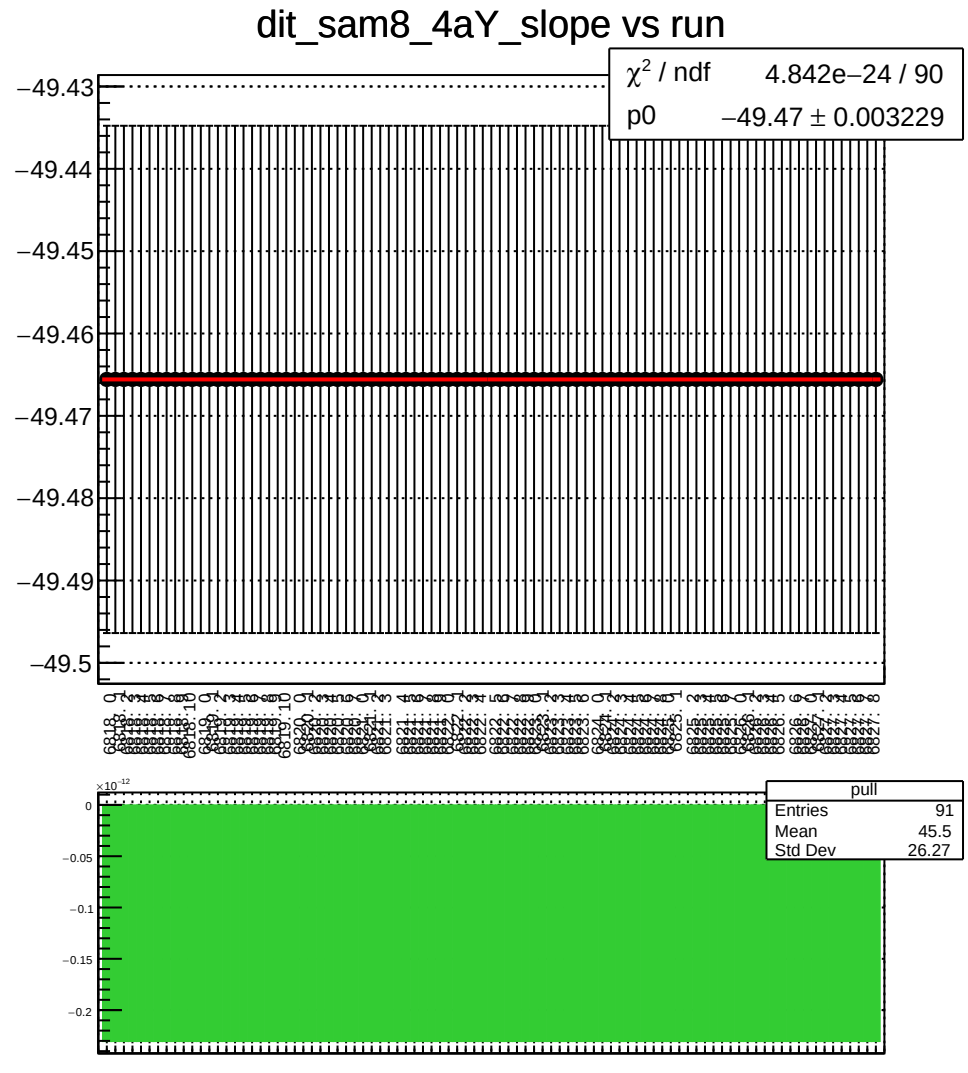

dit_sam8_4aX_slope vs run
χ² / ndf 9.052e−25 / 90
p0 28.26 ± 0.04107
28.7
28.6
28.5
28.4
28.3
28.2
28.1
28
27.9
27.8
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 91
Mean −9.974e−14
Std Dev7.087e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

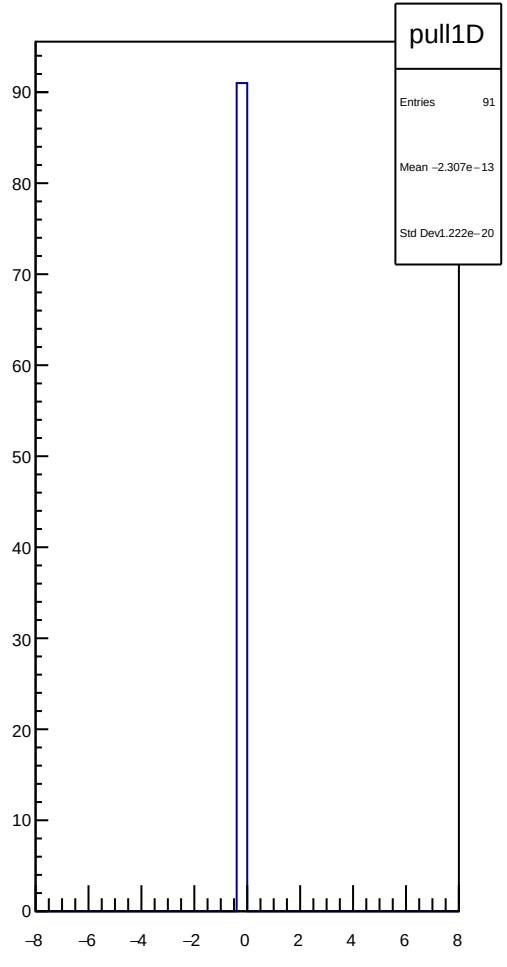

dit_sam8_4eX_slope vs run
χ^2 / ndf 3.877e−23 / 90
p0 −56.7 ± 0.03195
−56.4
−56.5
−56.6
−56.7
−56.8
−56.9
−57
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

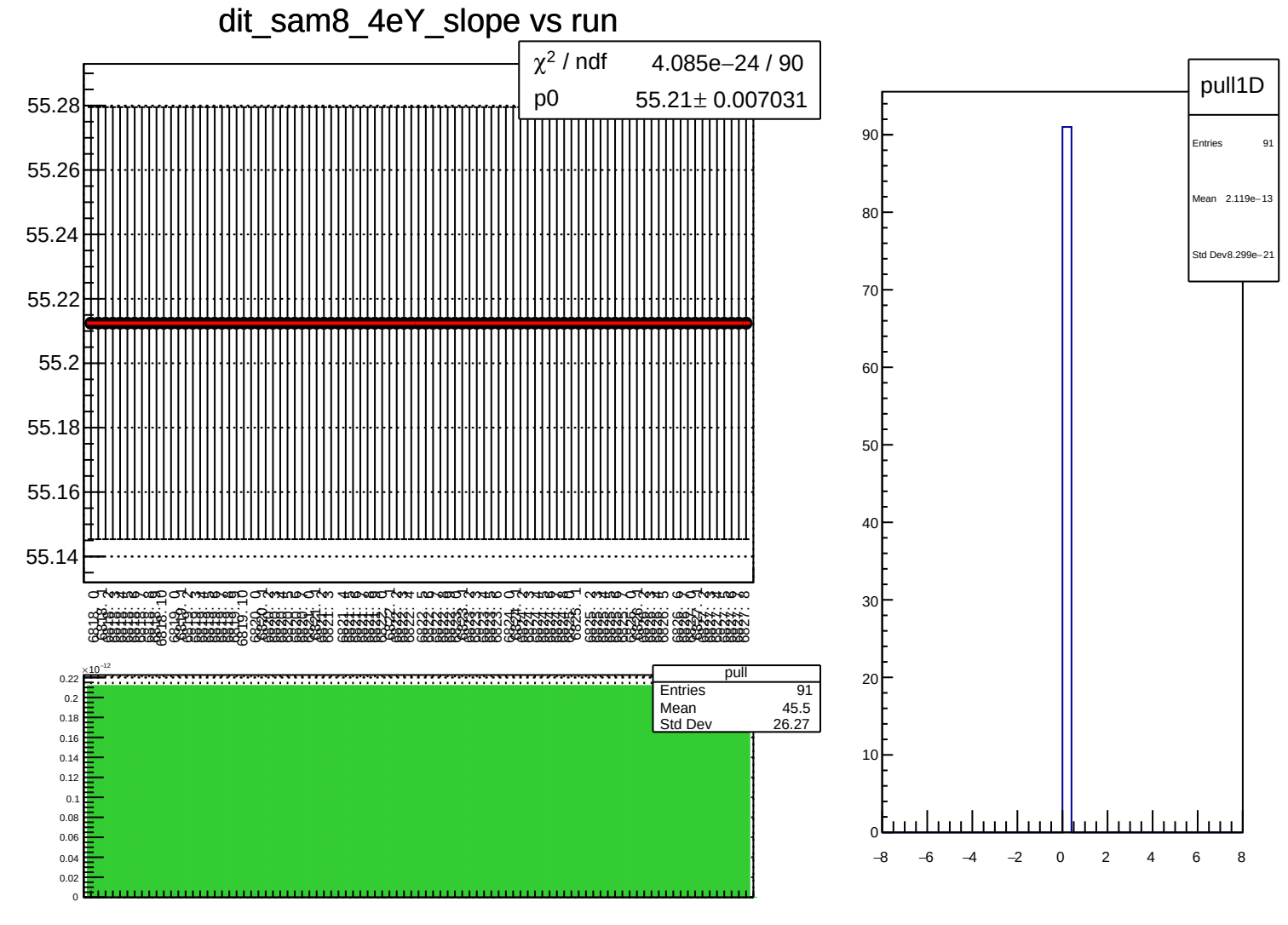

pull1D
Entries 91
Mean −6.527e−13
Std Dev9.583e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

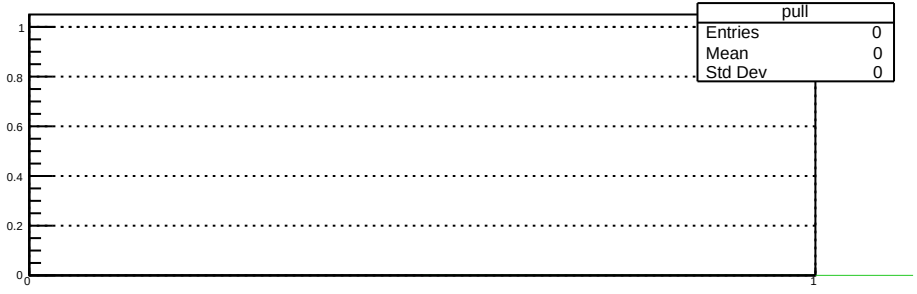

dit_sam8_11X12X_slope vs run
χ² / ndf 3.065e−25 / 90
p0 0.387 ± 0.001203
0.4
0.395
0.39
0.385
0.38
0.375
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹⁵
60
50
40
30
20
10
0

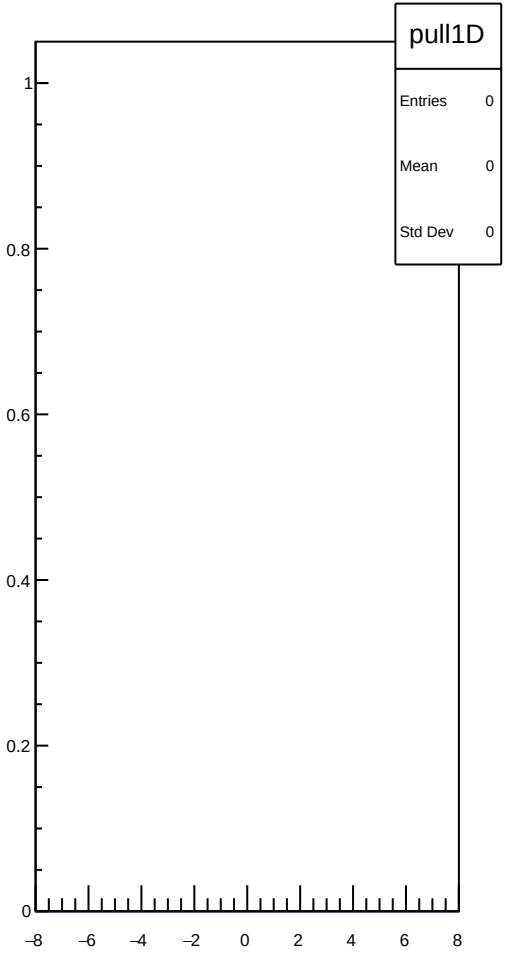

pull1D
Entries 91
Mean 5.804e−14
Std Dev 1.894e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

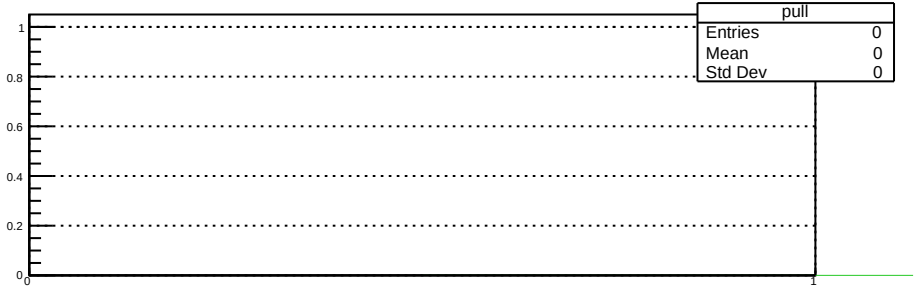

dit_sam8_4aY_slope vs run
χ² / ndf 4.842e−24 / 90
p0 −49.47 ± 0.003229
−49.43
−49.44
−49.45
−49.46
−49.47
−49.48
−49.49
−49.5
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

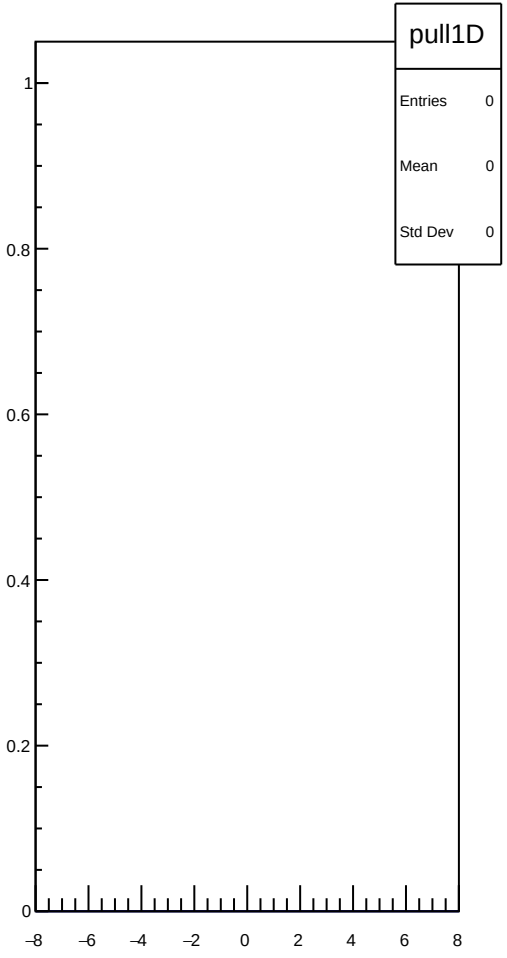

pull1D
Entries 91
Mean −2.307e−13
Std Dev1.222e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

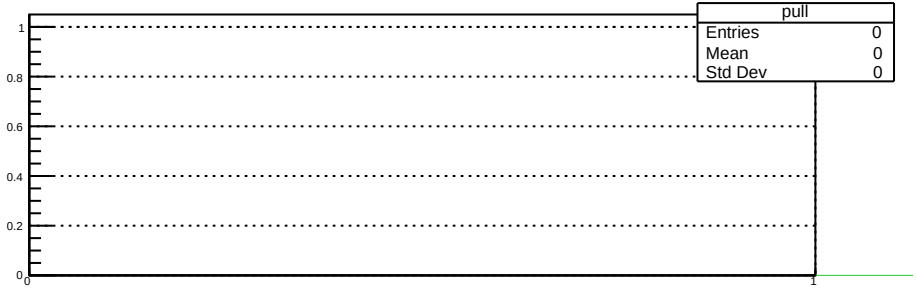

dit_sam8_4eY_slope vs run
χ² / ndf 4.085e−24 / 90
p0 55.21± 0.007031
55.28
55.26
55.24
55.22
55.2
55.18
55.16
55.14
pull
Entries 91
Mean 45.5
Std Dev 26.27
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 91
Mean 2.119e−13
Std Dev8.299e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

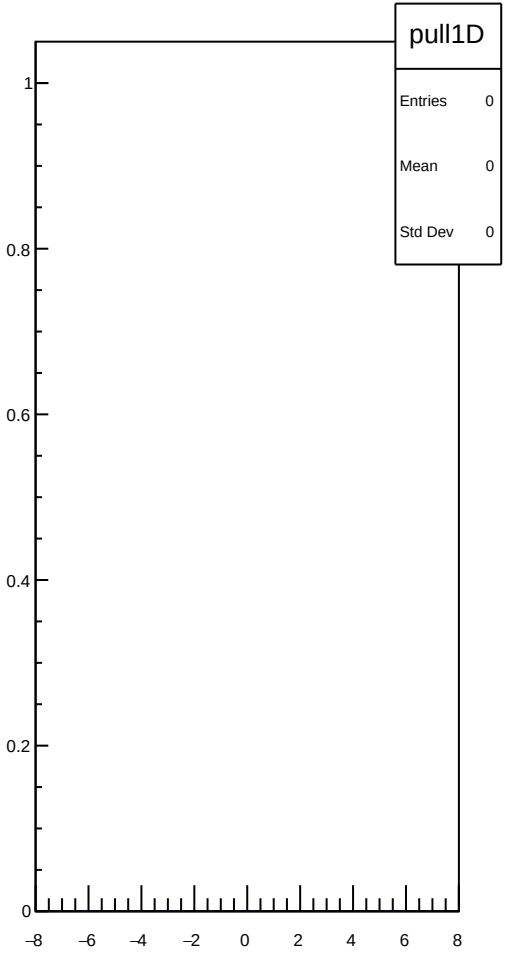

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

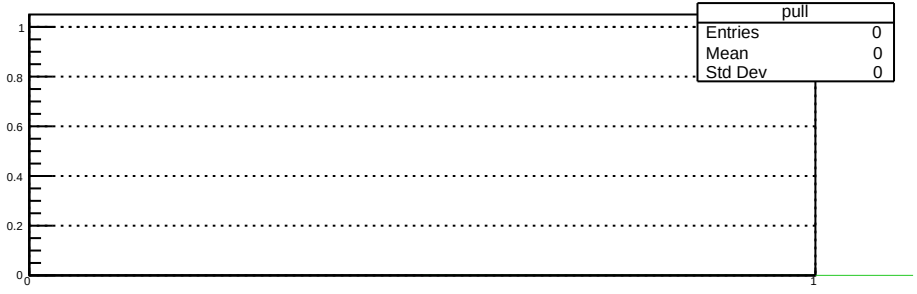

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

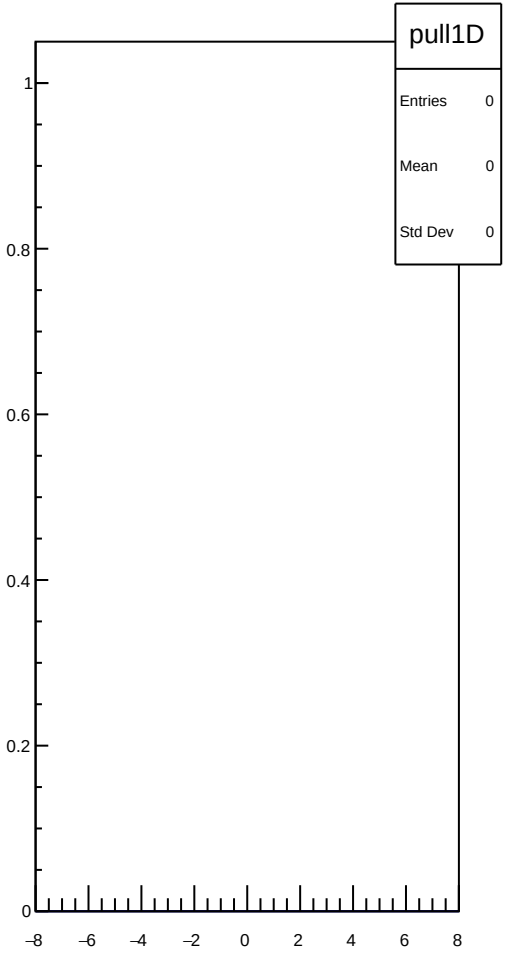

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

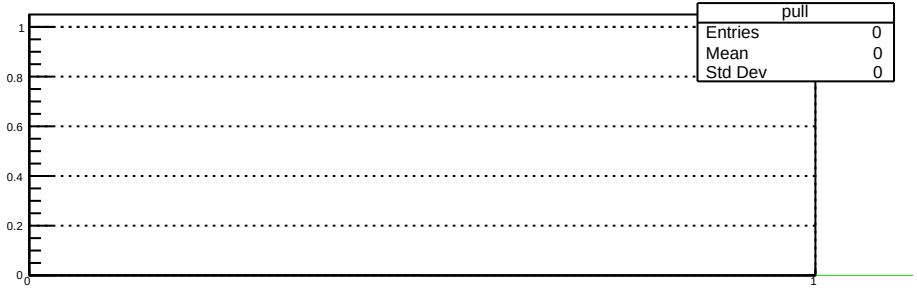

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

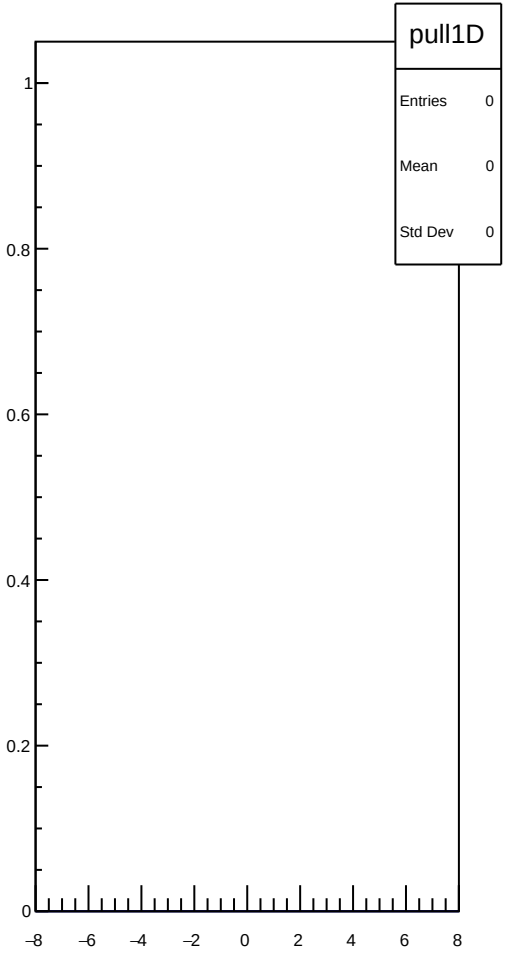

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

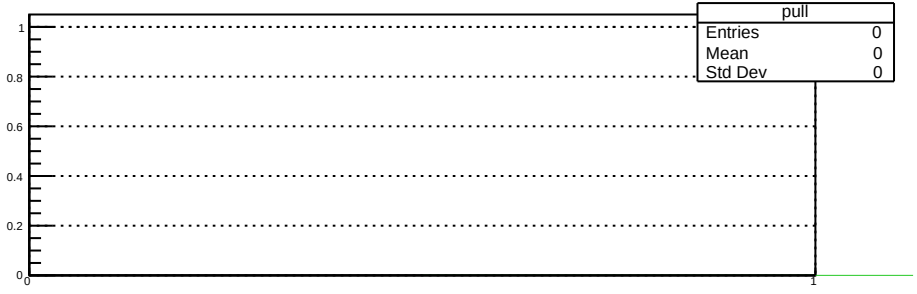

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

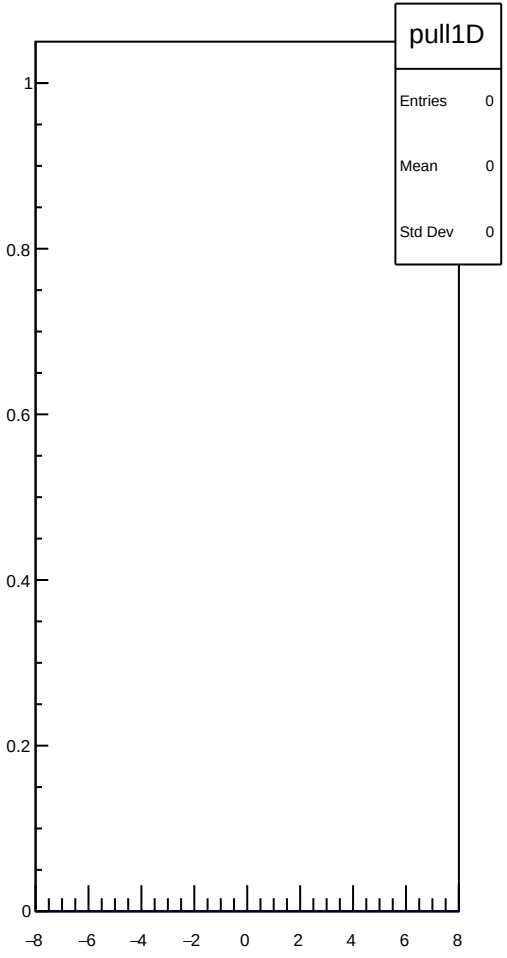

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

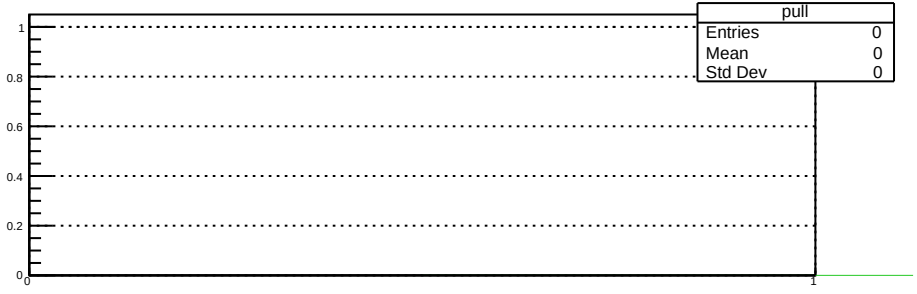

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

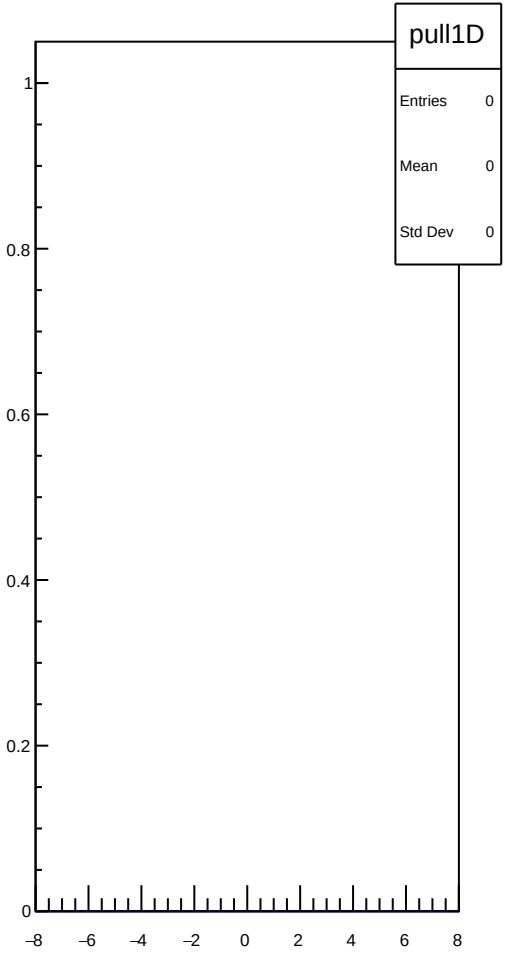

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

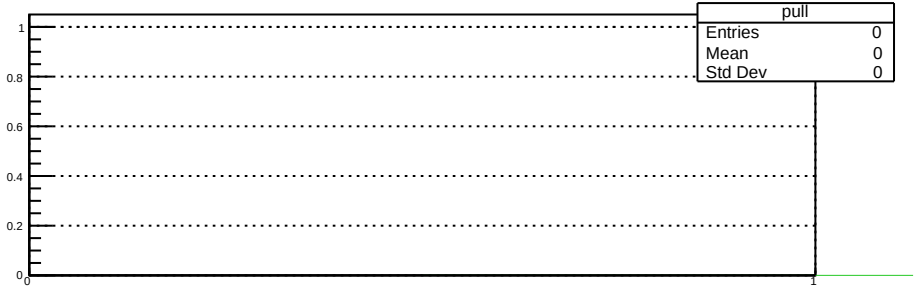

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

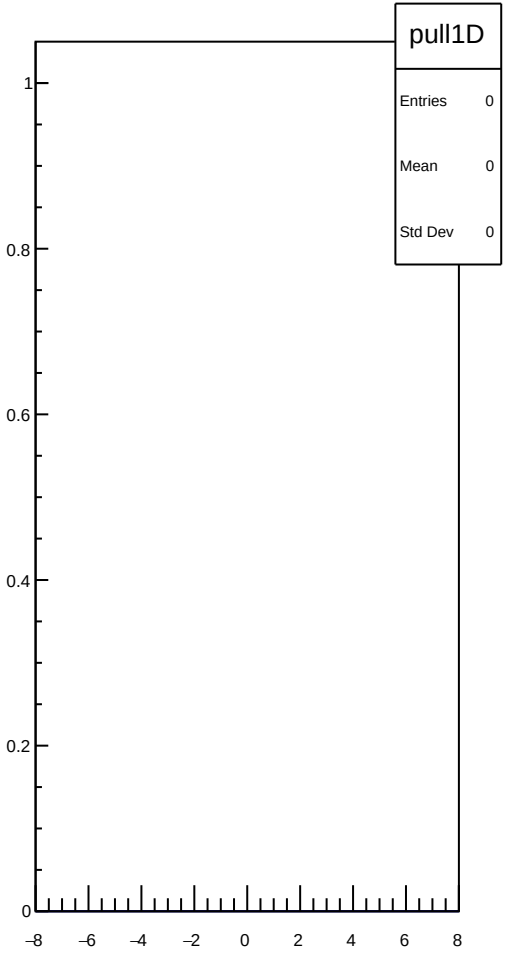

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

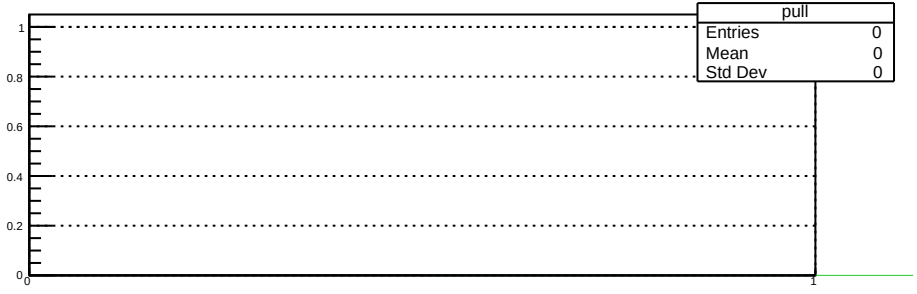

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

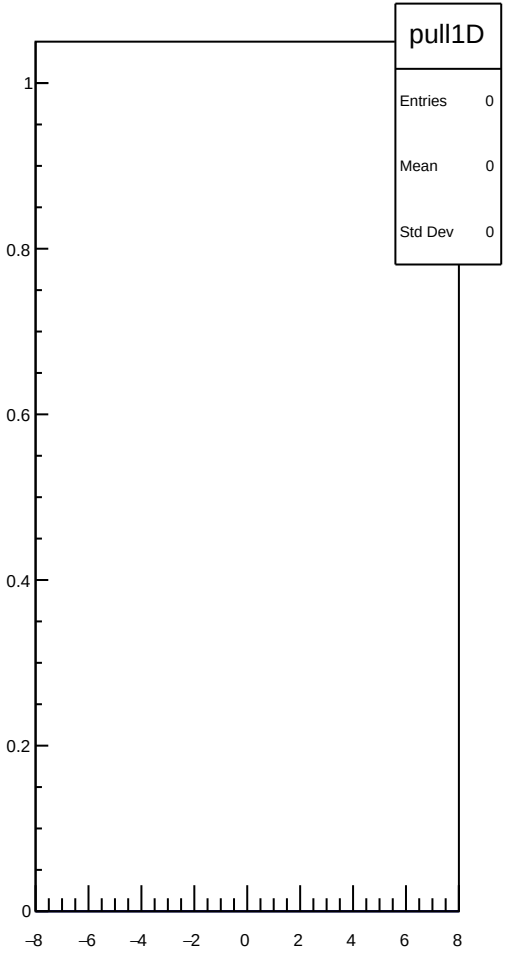

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

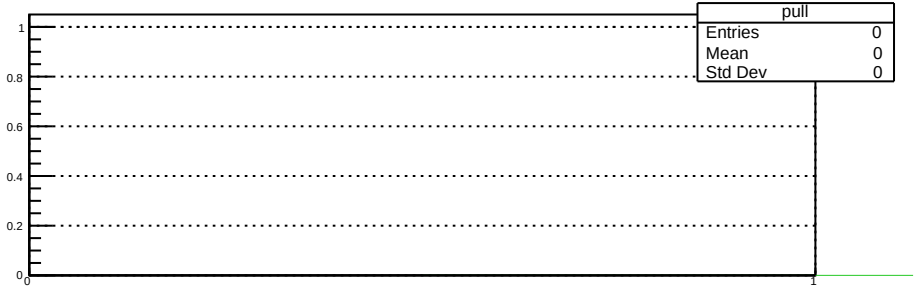

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

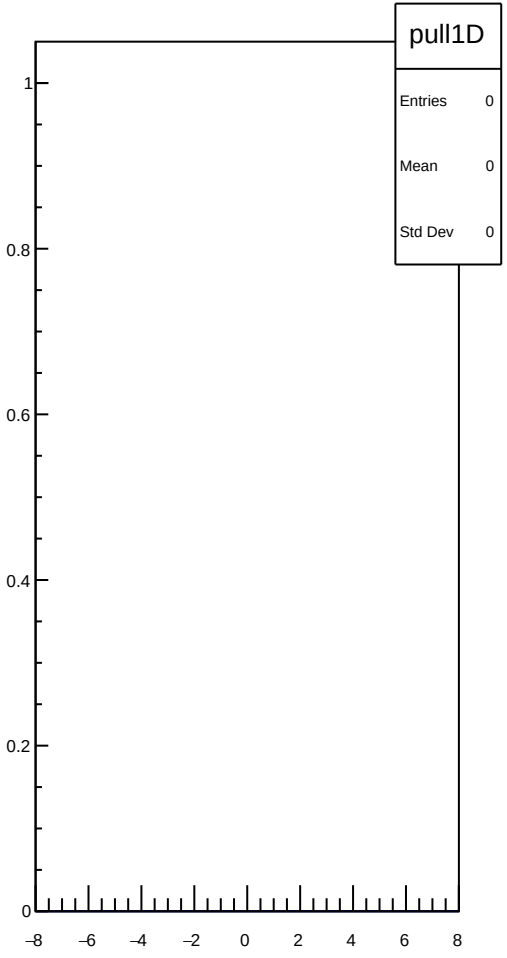

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

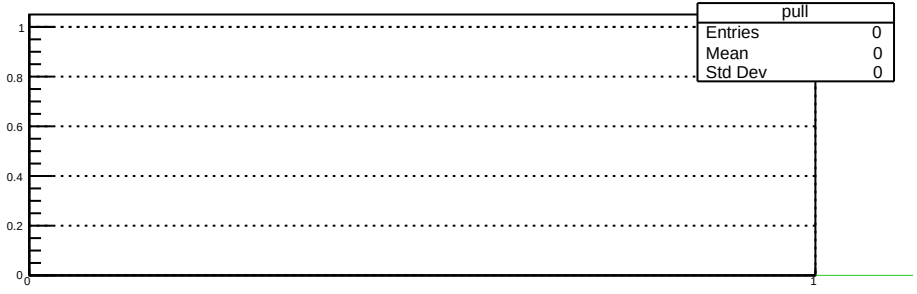

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

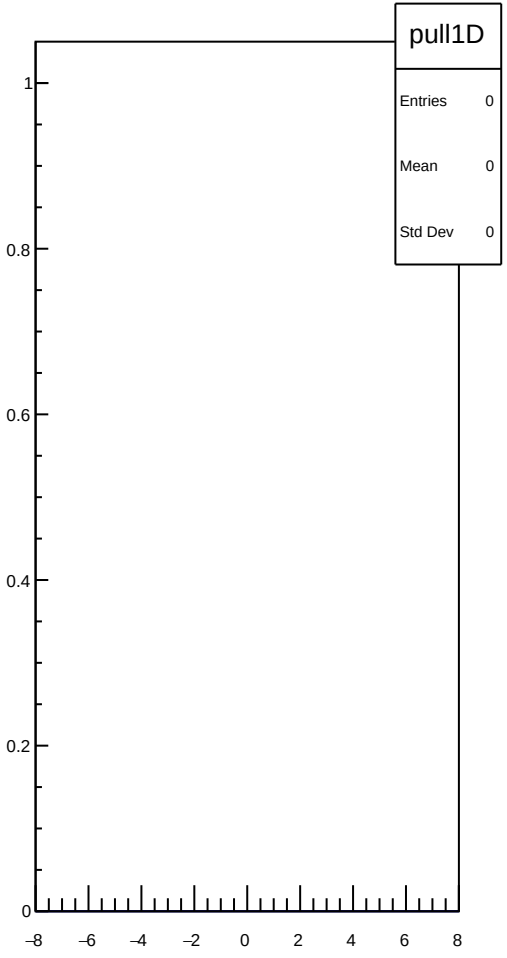

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

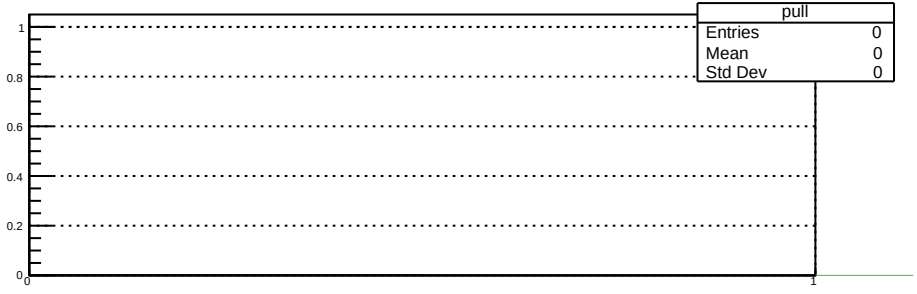

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

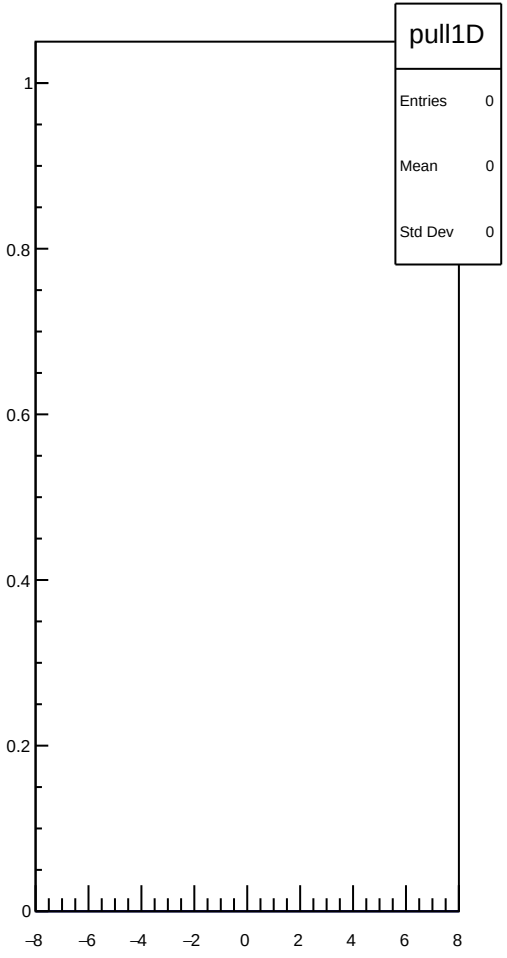

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

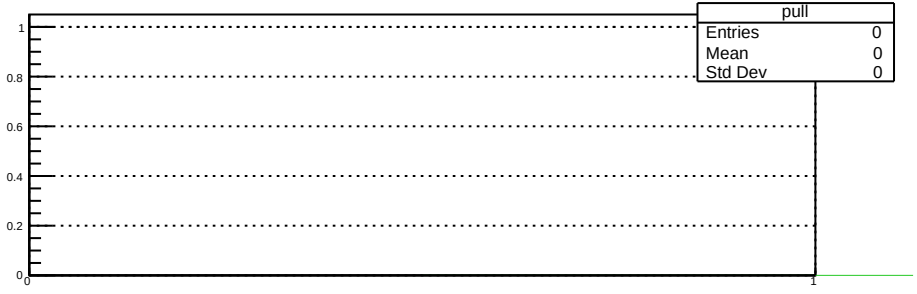

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

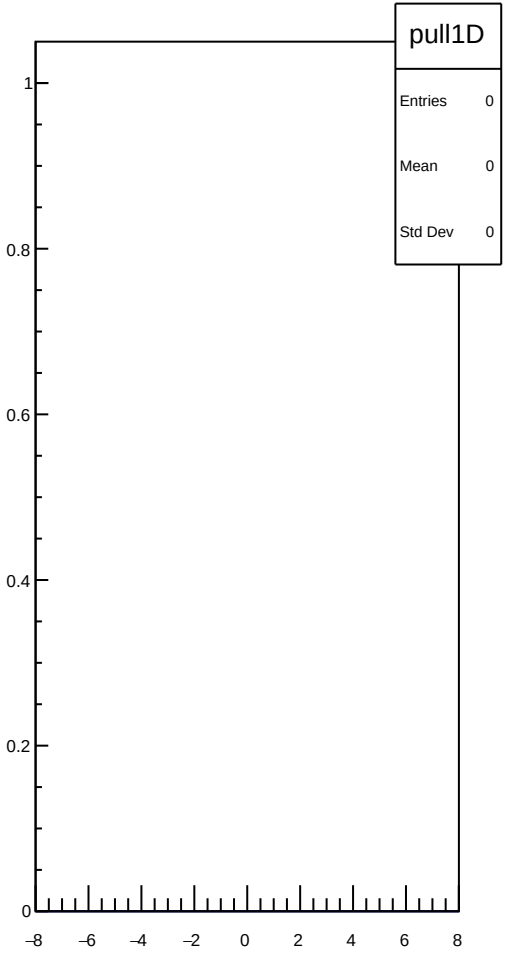

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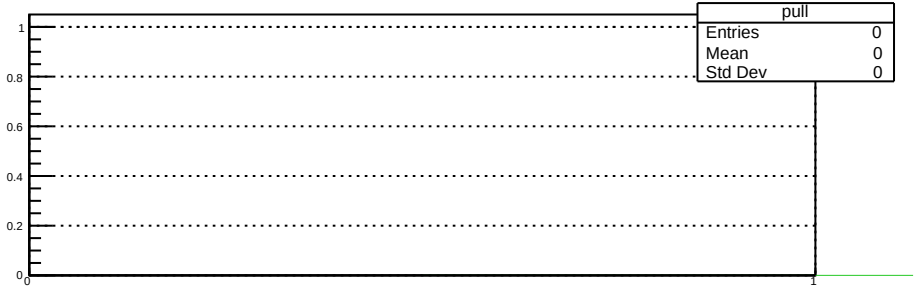

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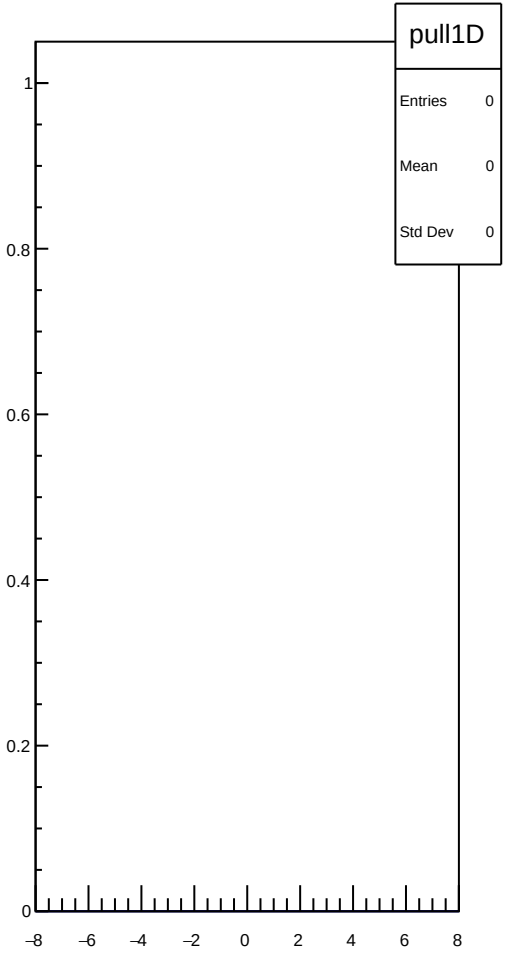

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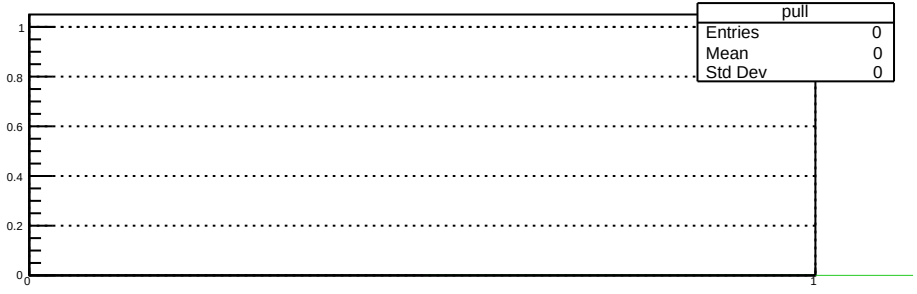

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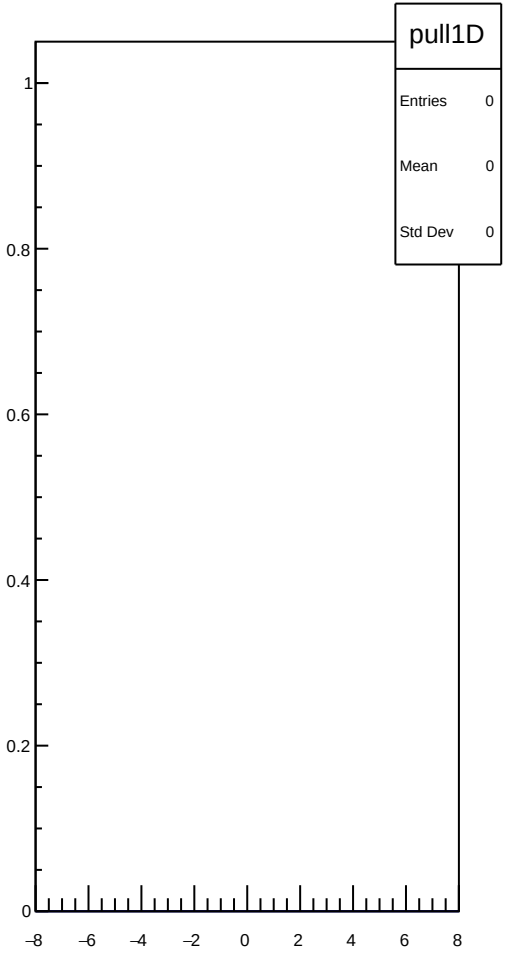

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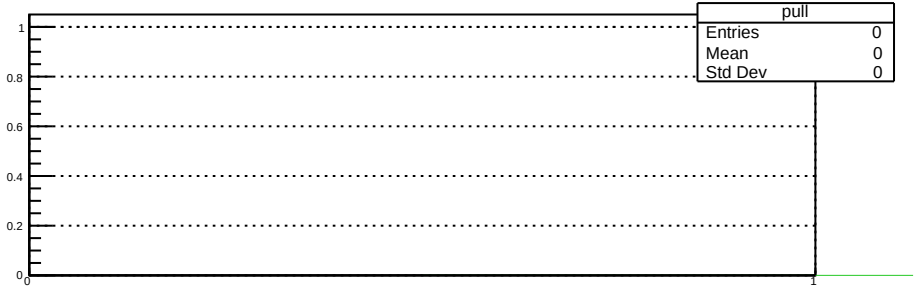

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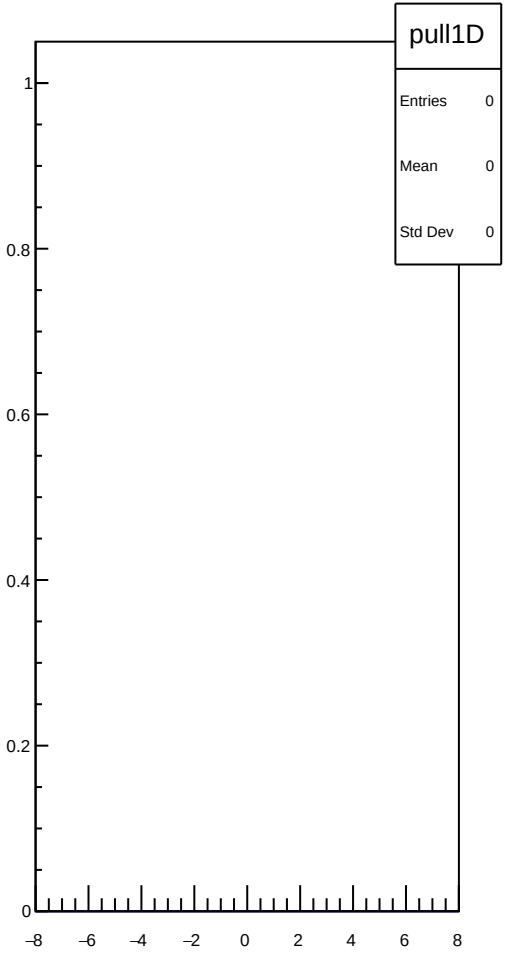

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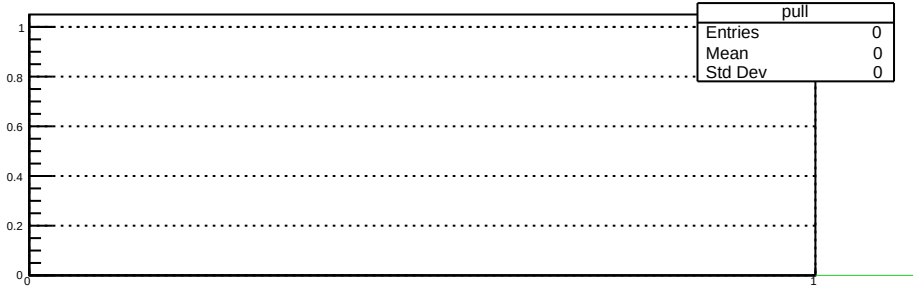

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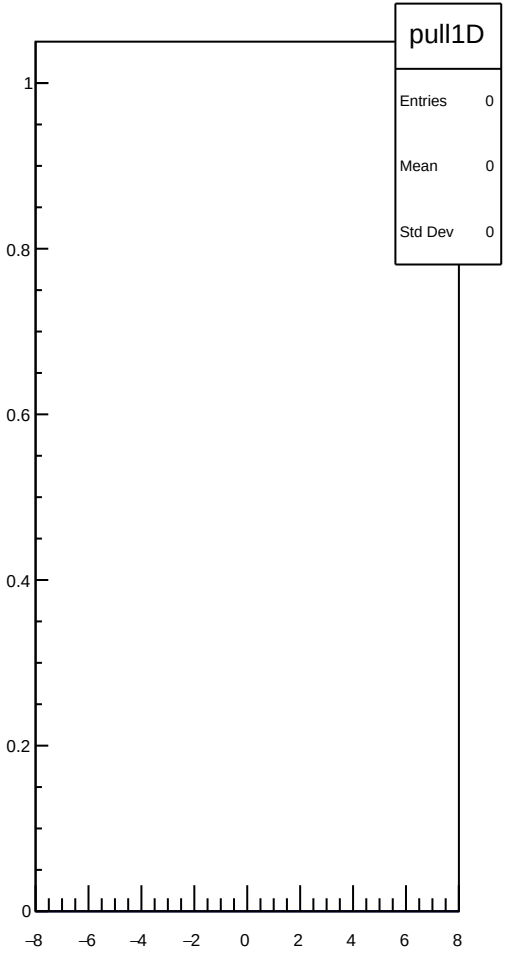

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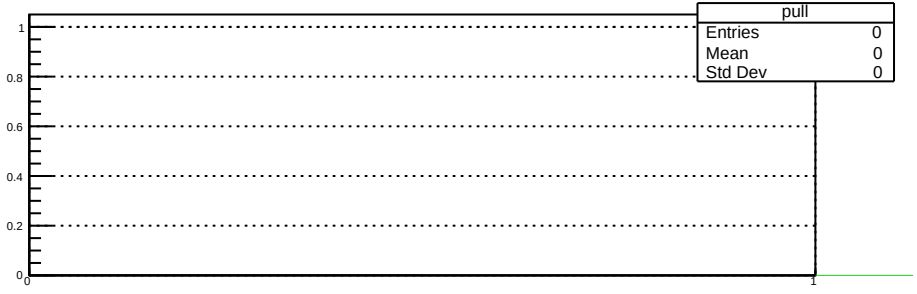

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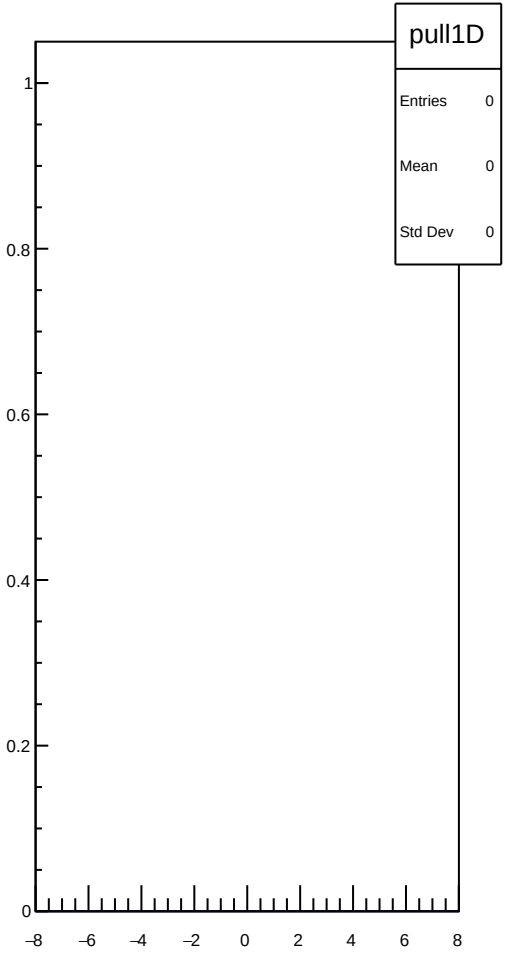

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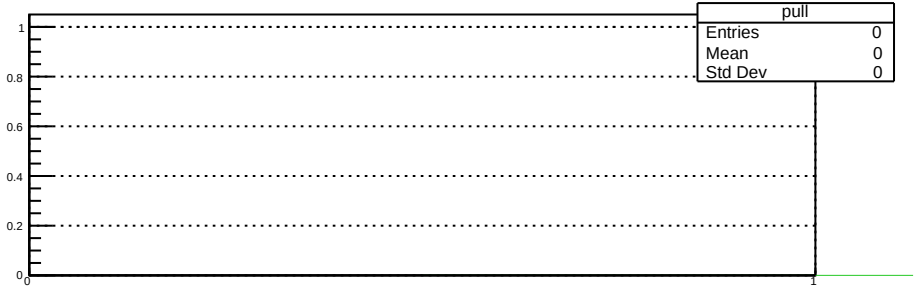

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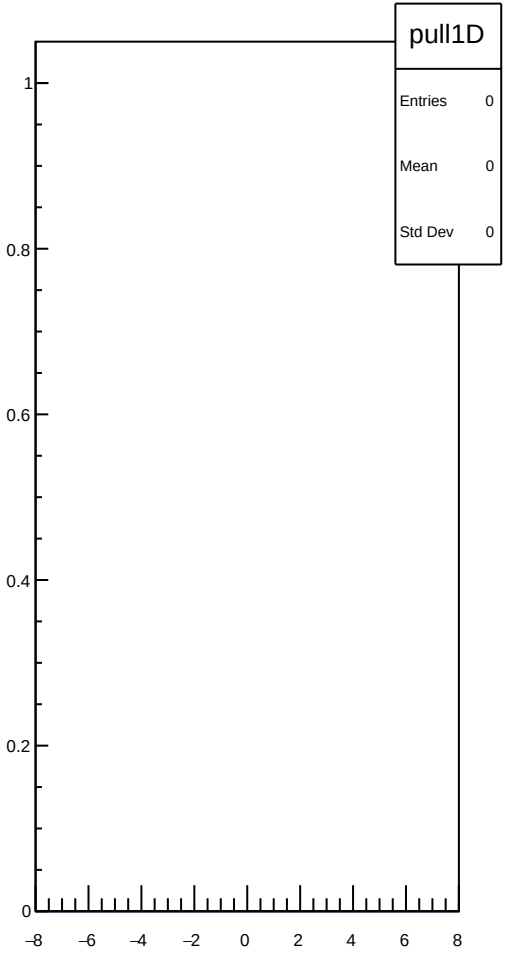

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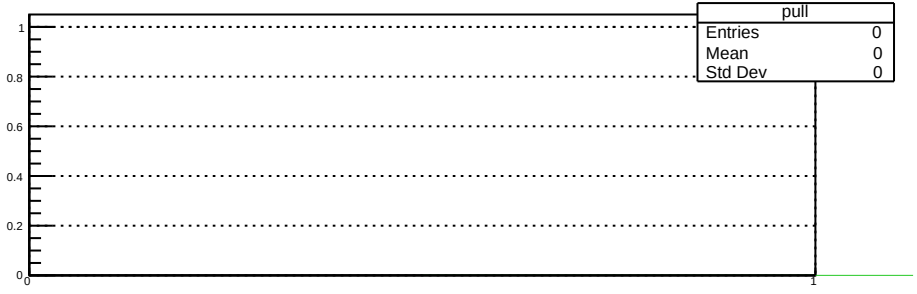

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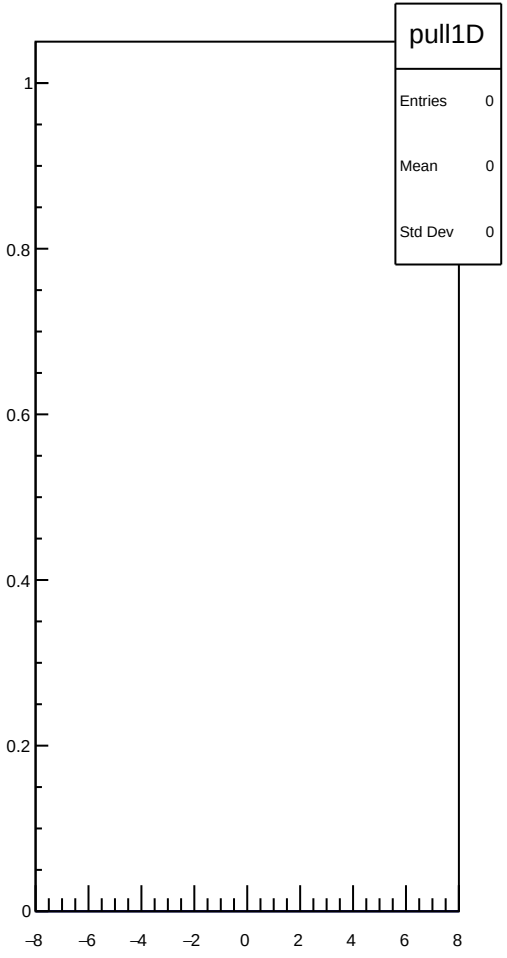

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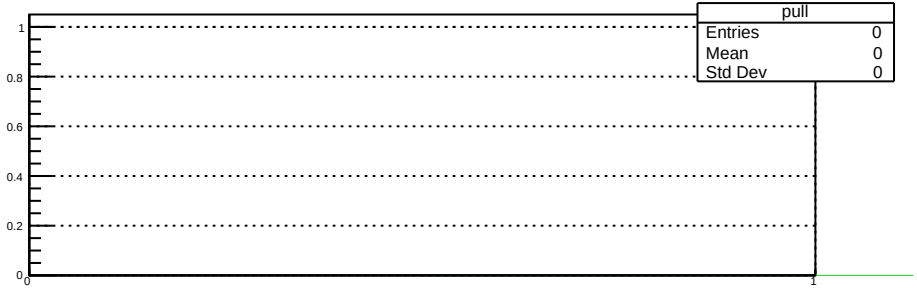

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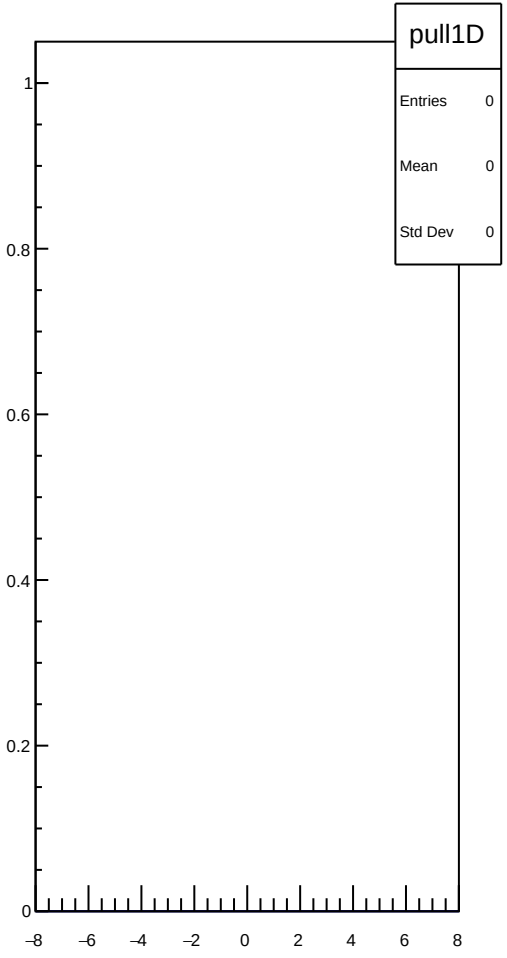

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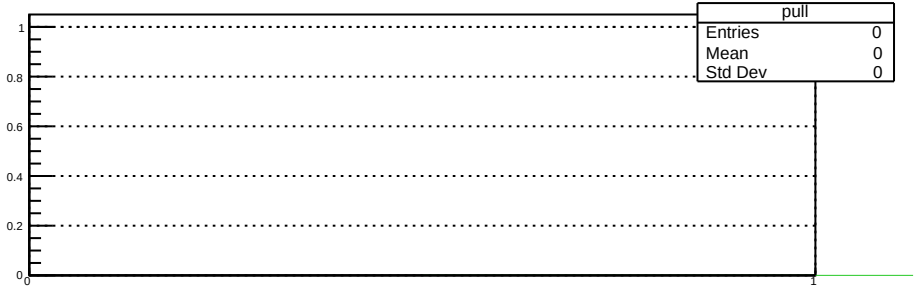

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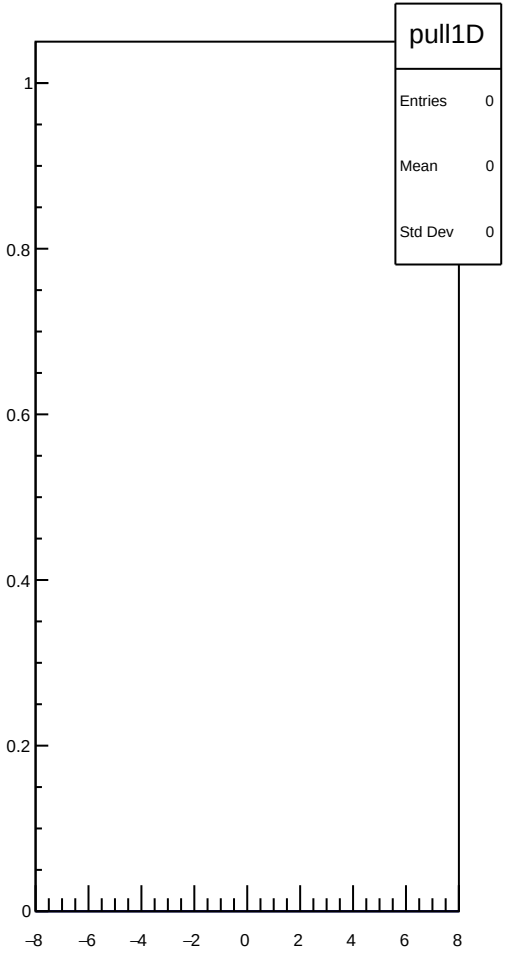

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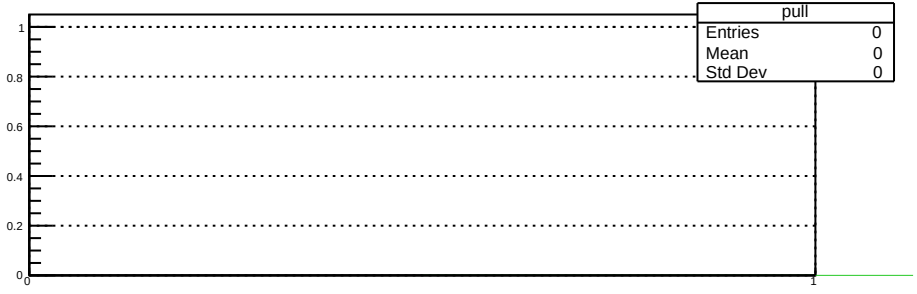

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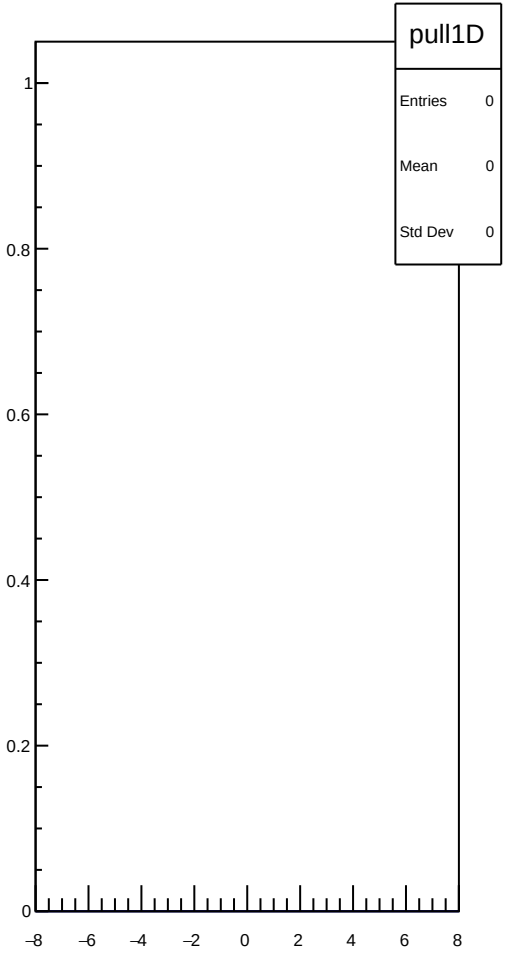

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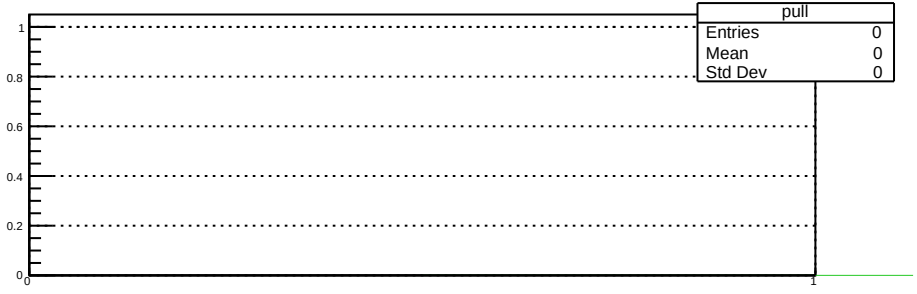

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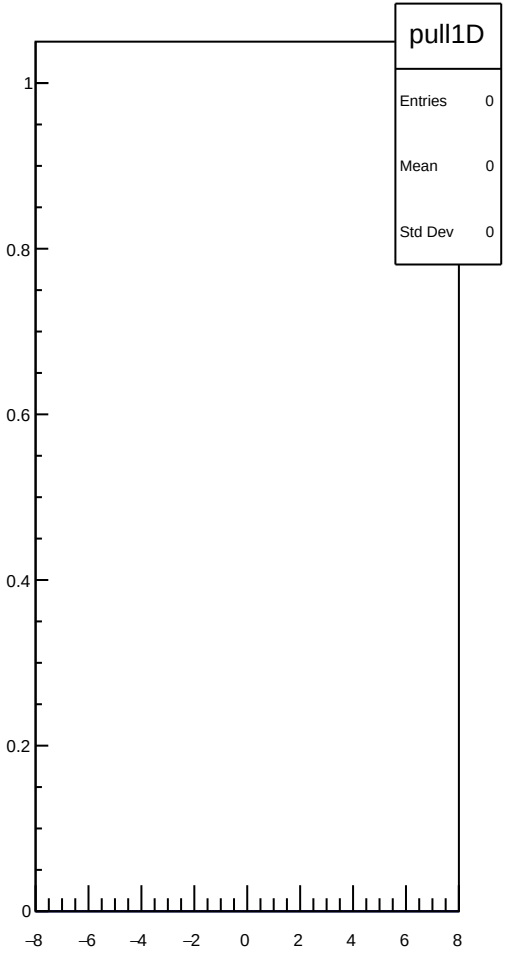

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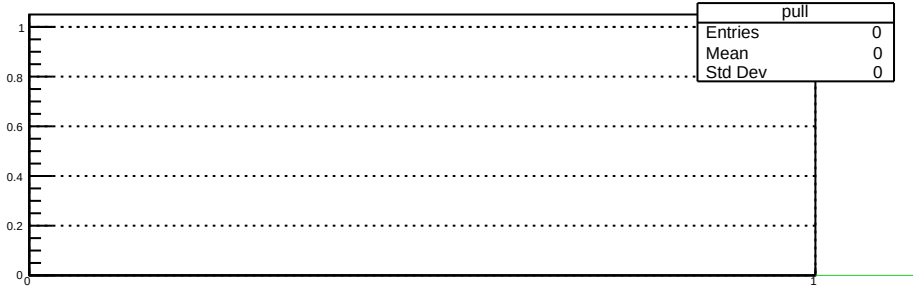

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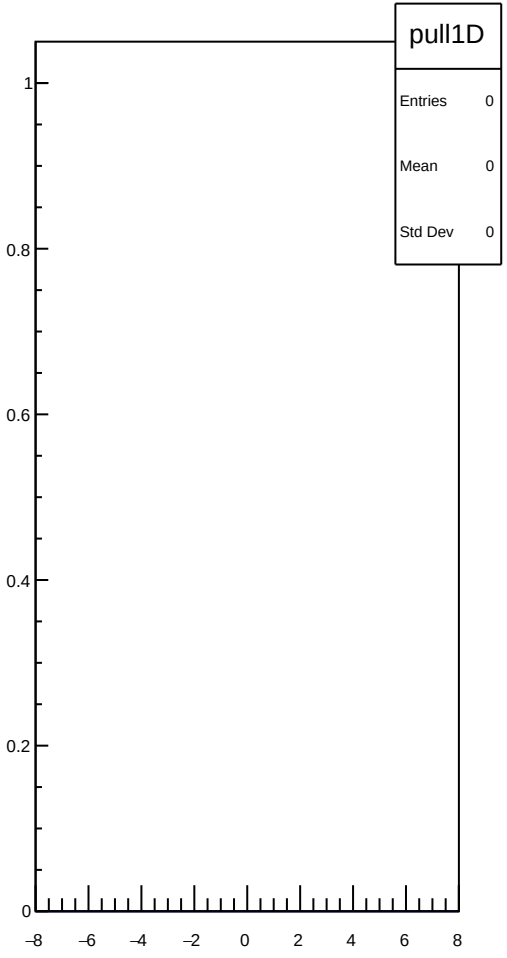

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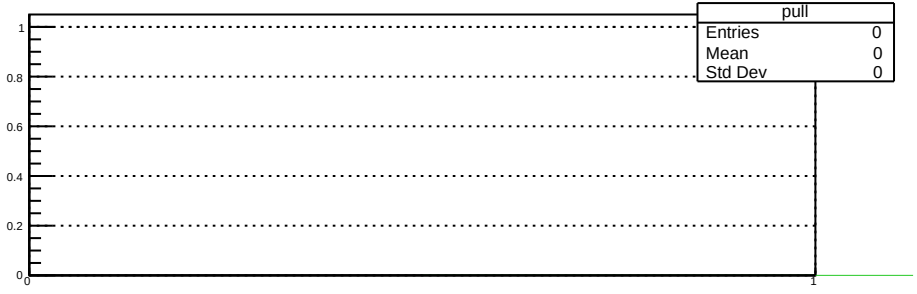

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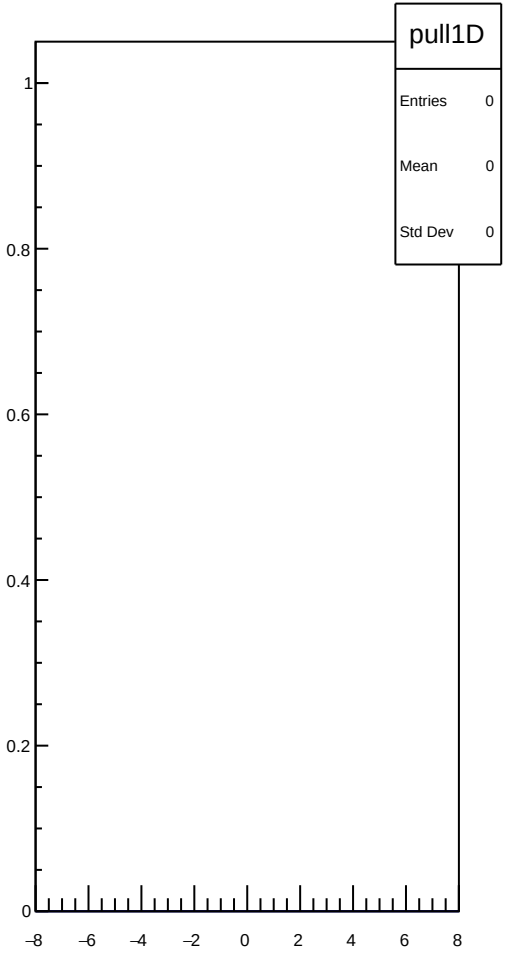

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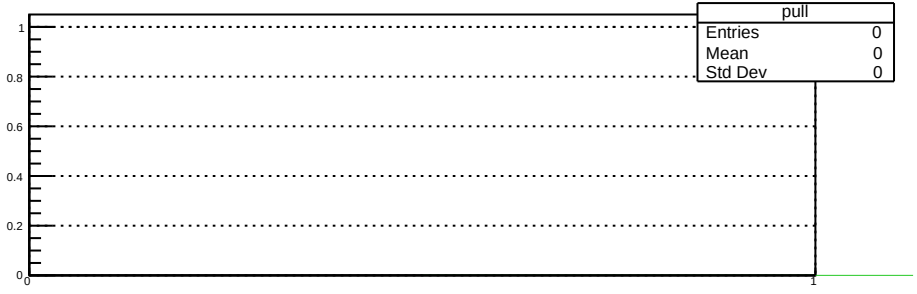

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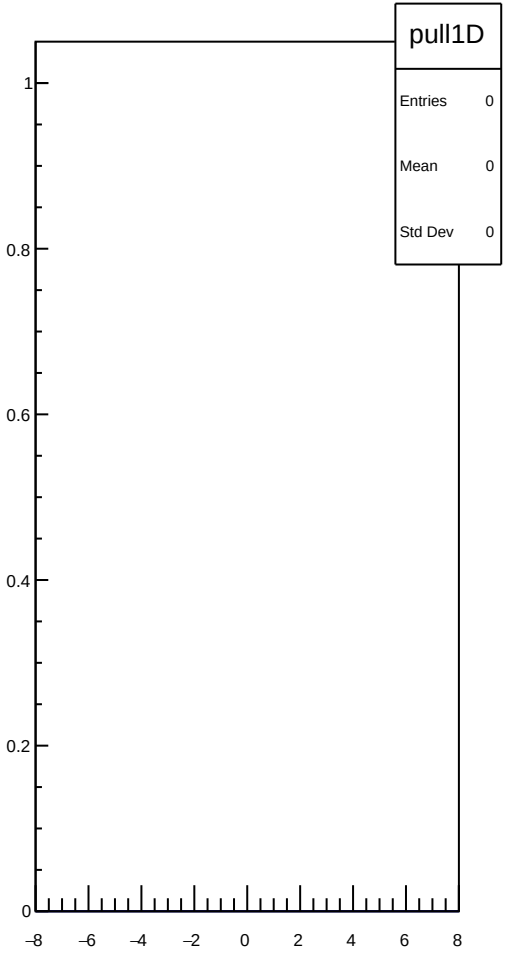

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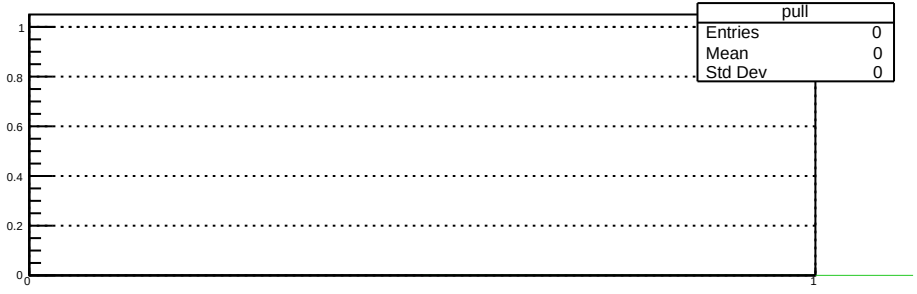

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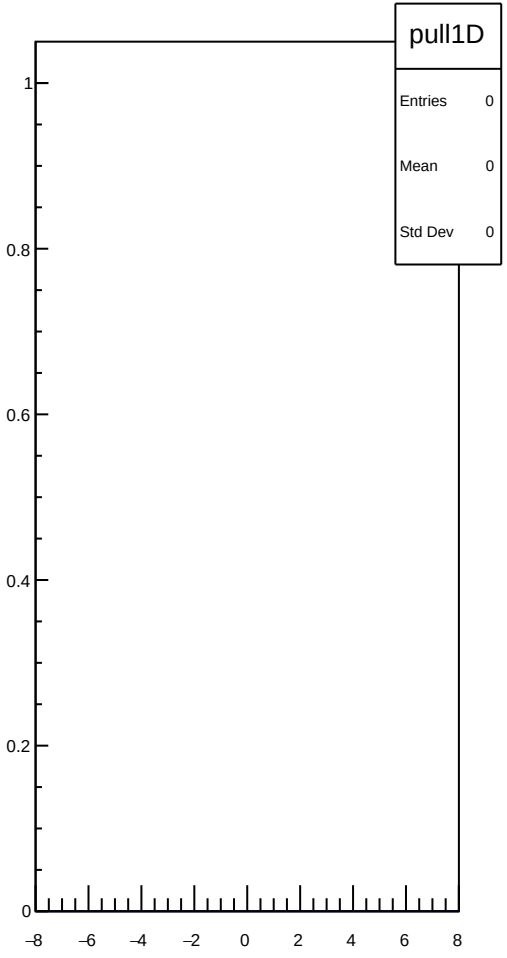

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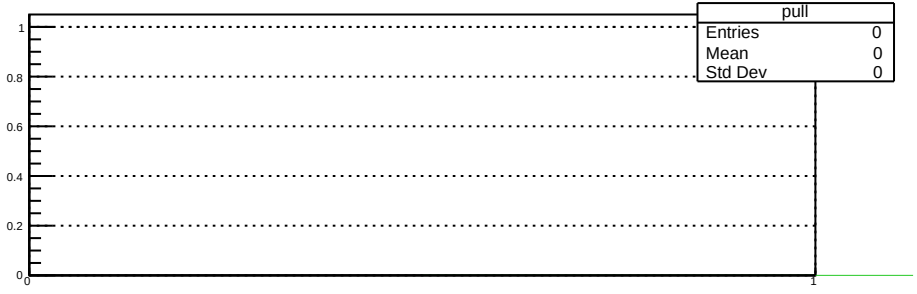

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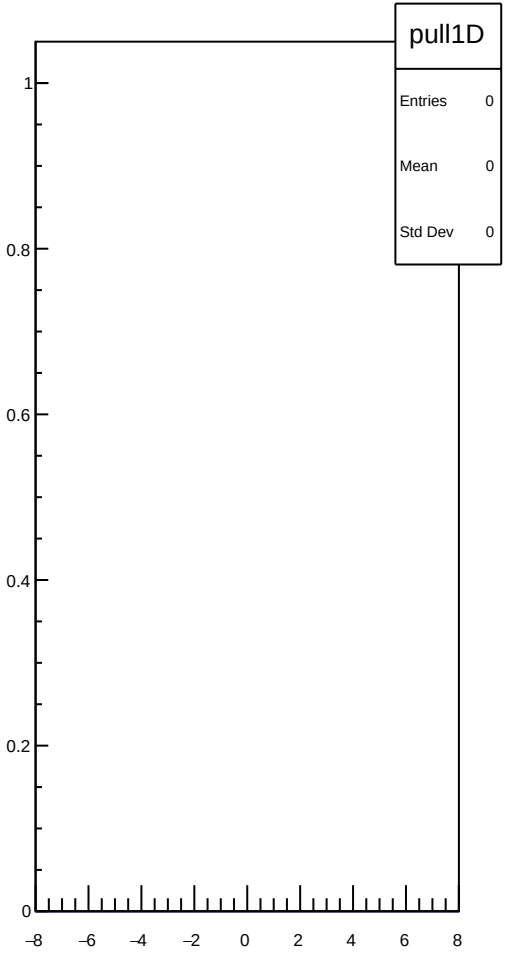

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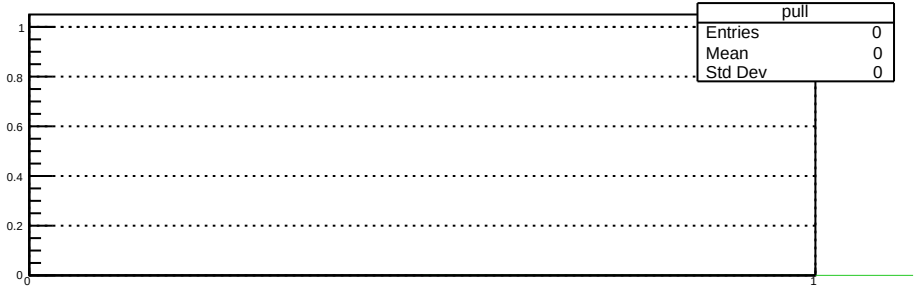

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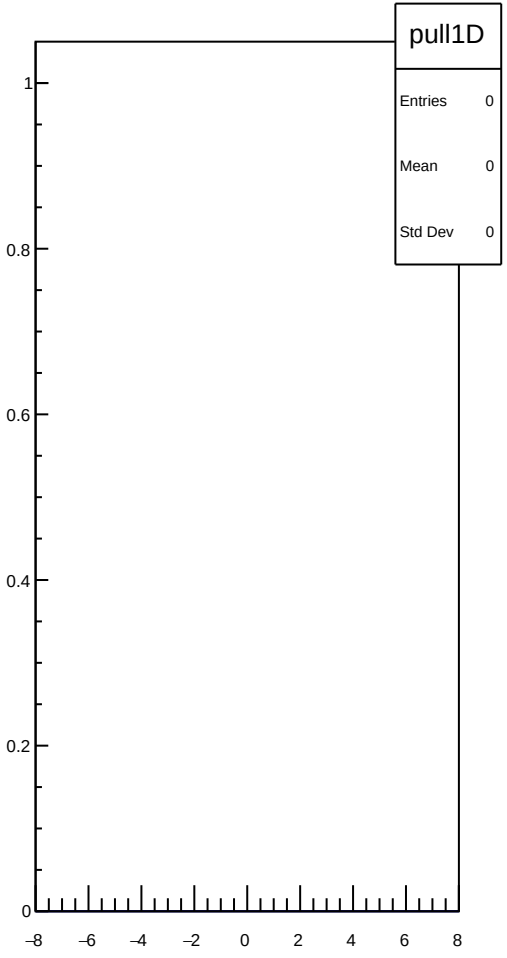

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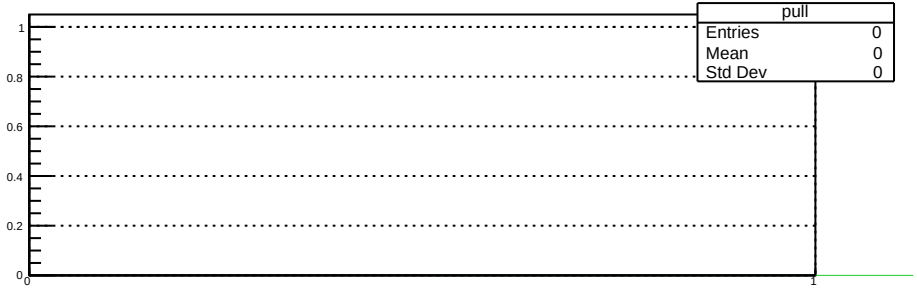

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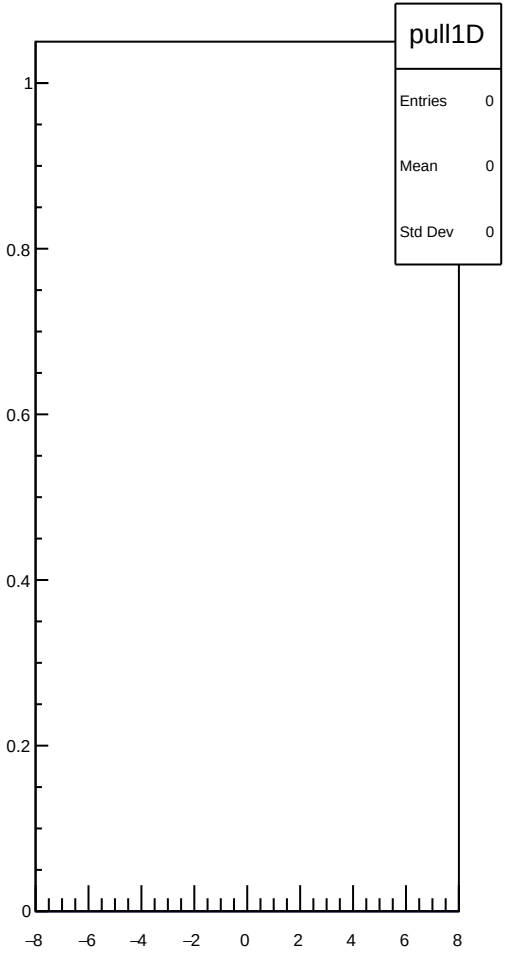

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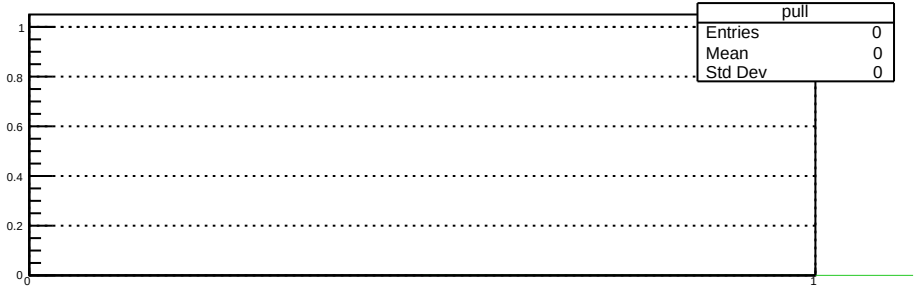

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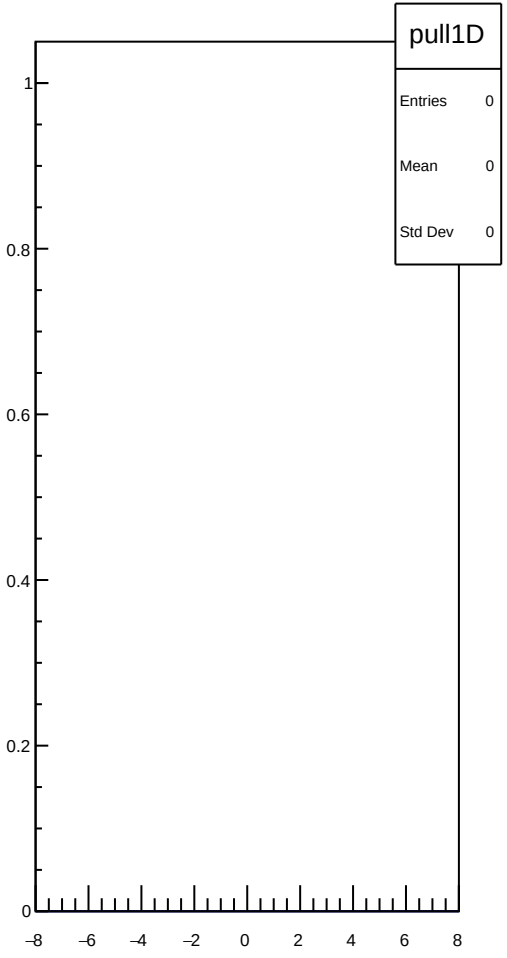

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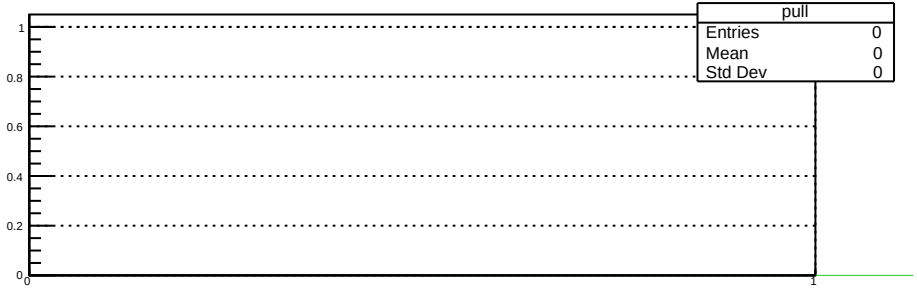

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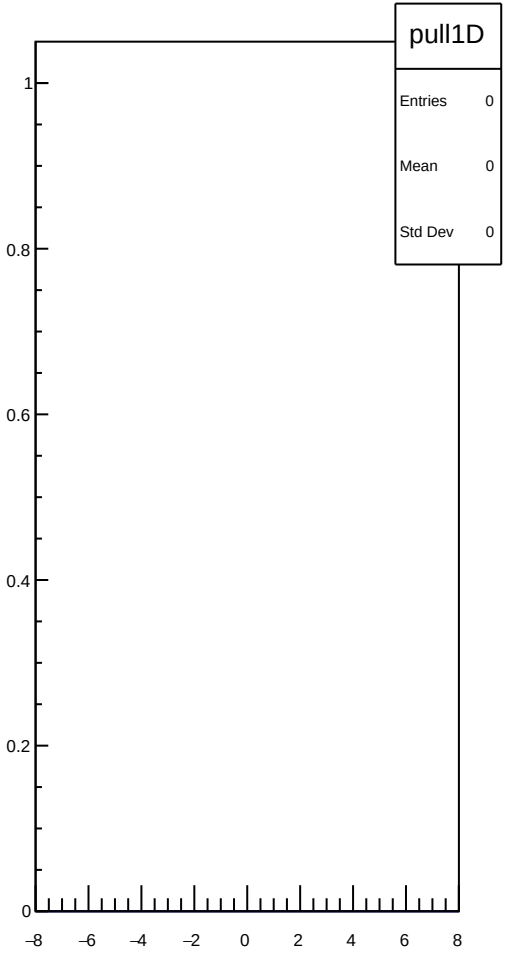

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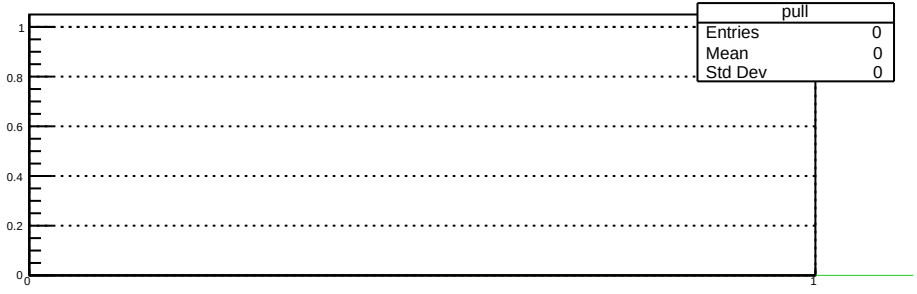

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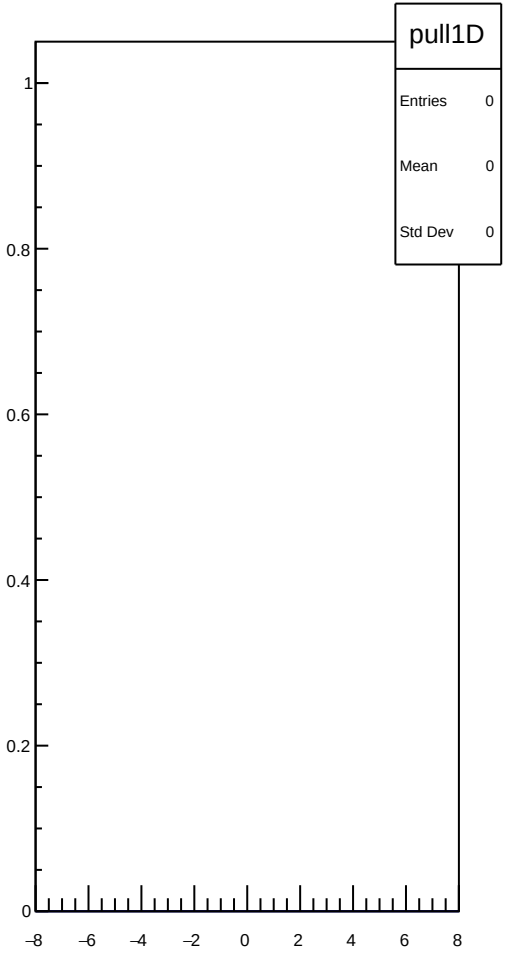

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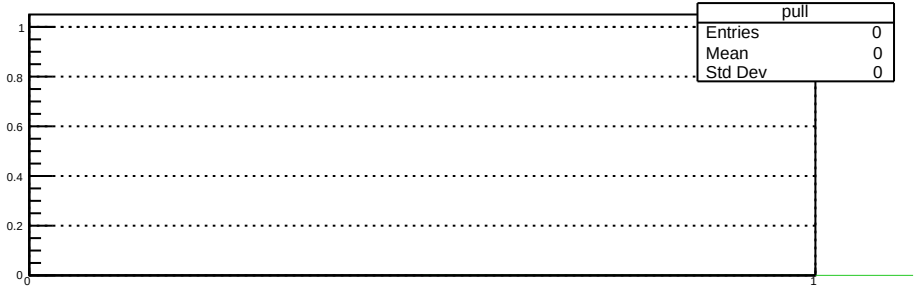

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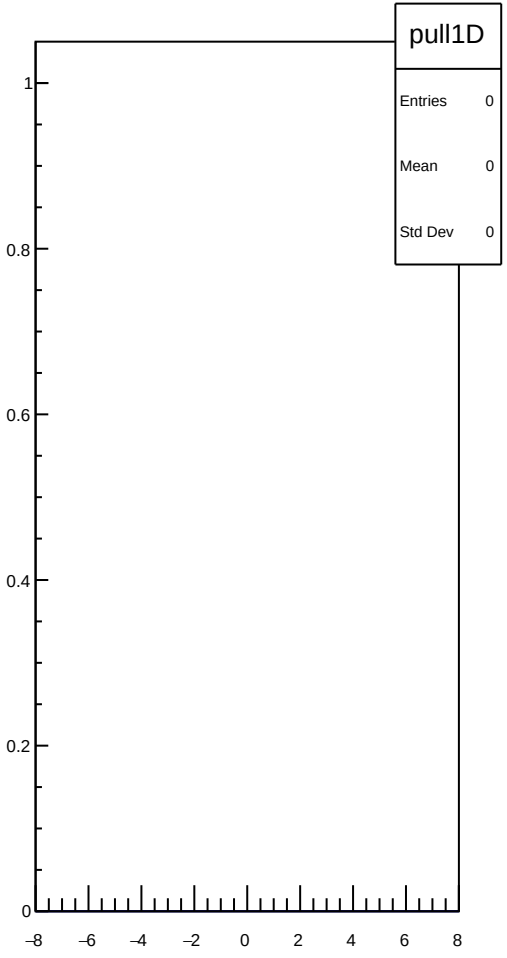

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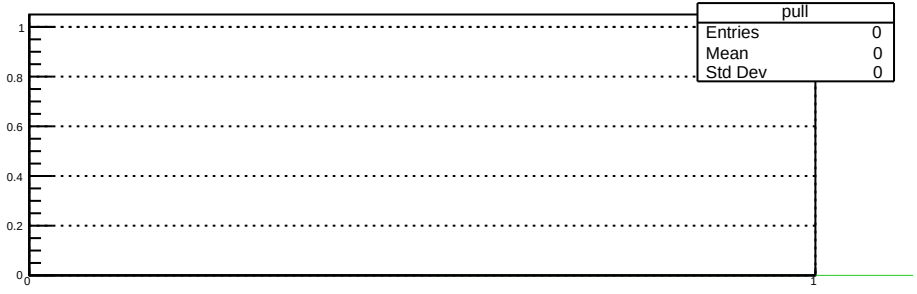

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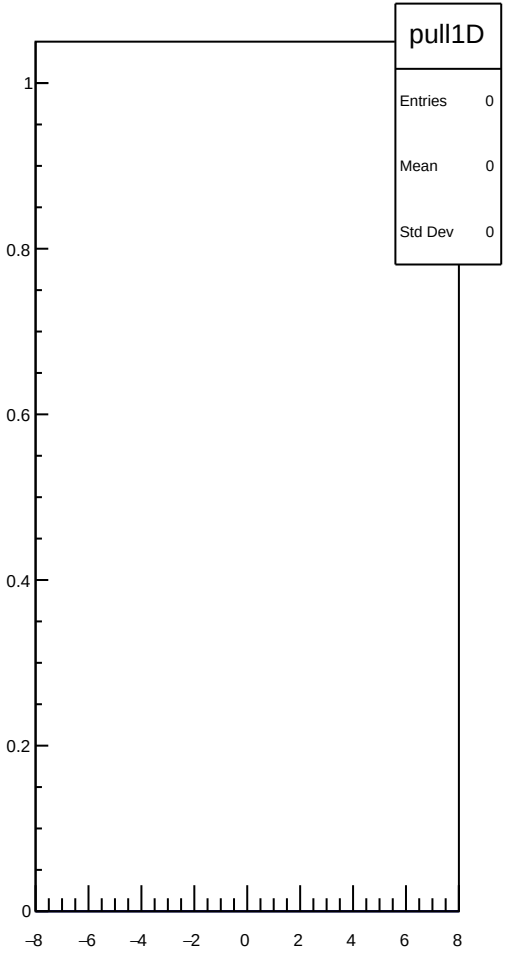

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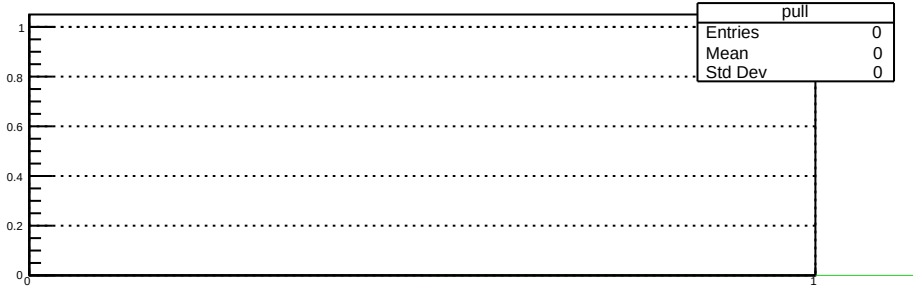

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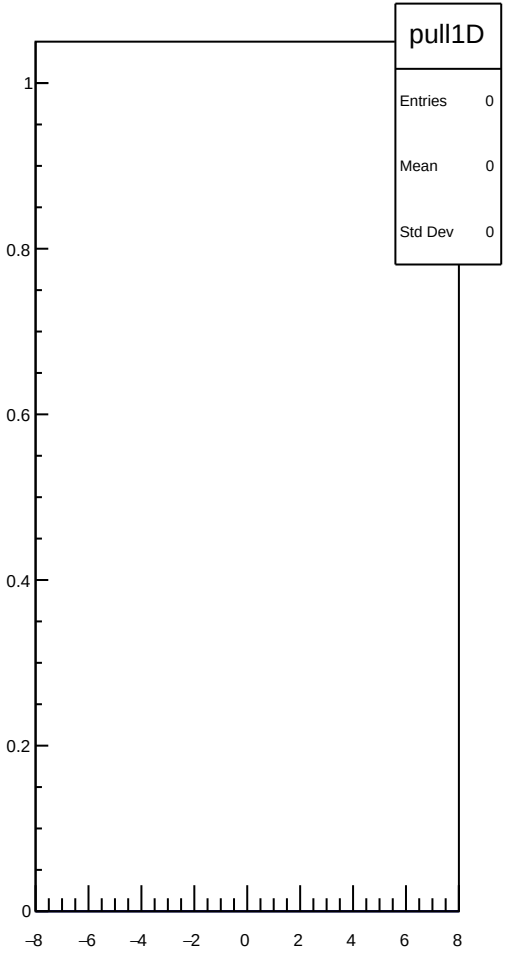

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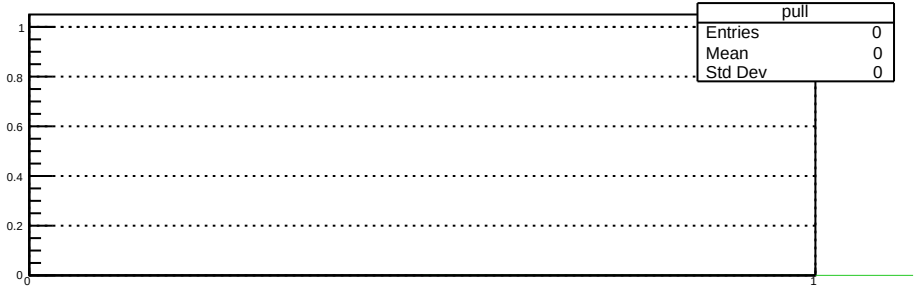

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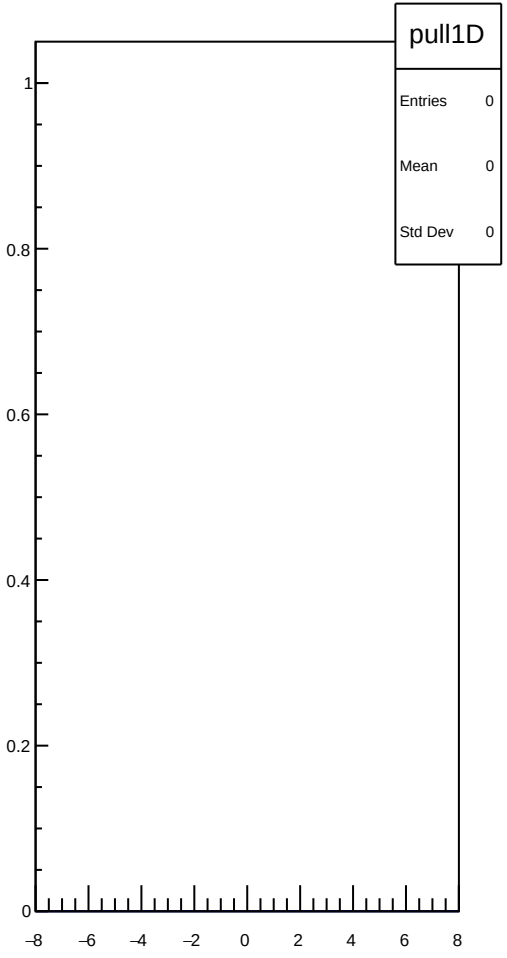

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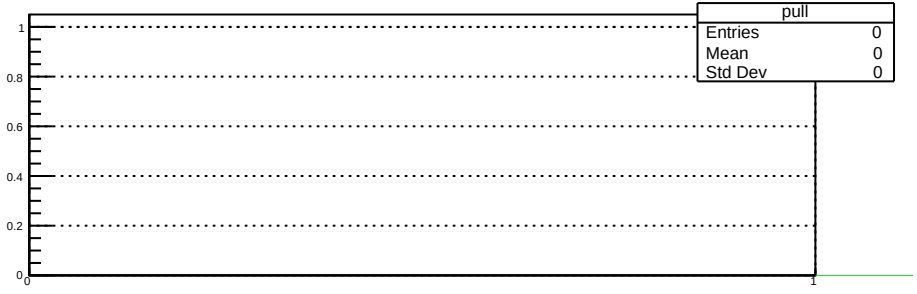

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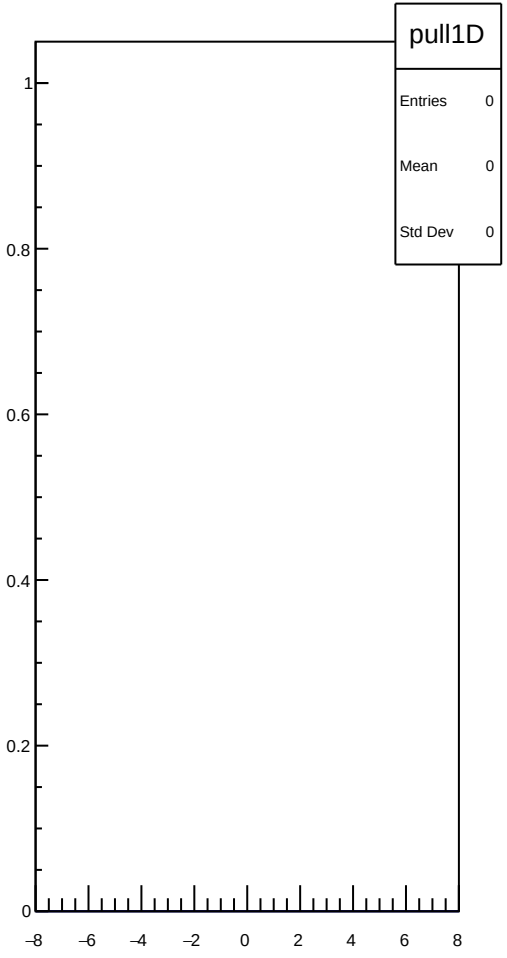

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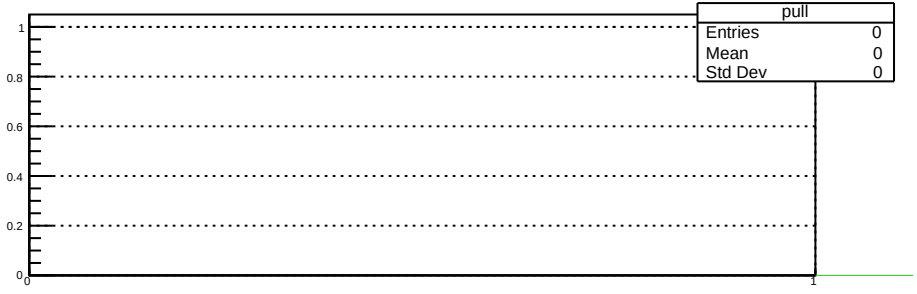

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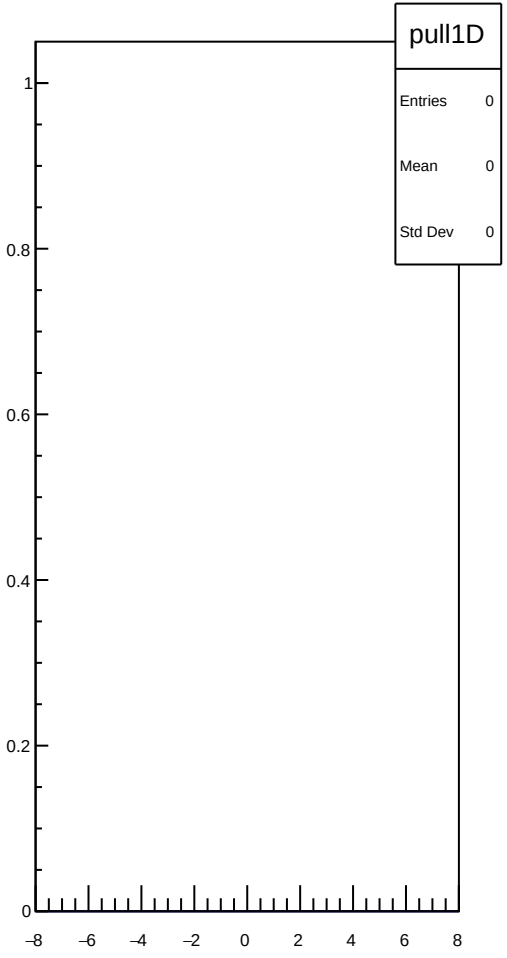

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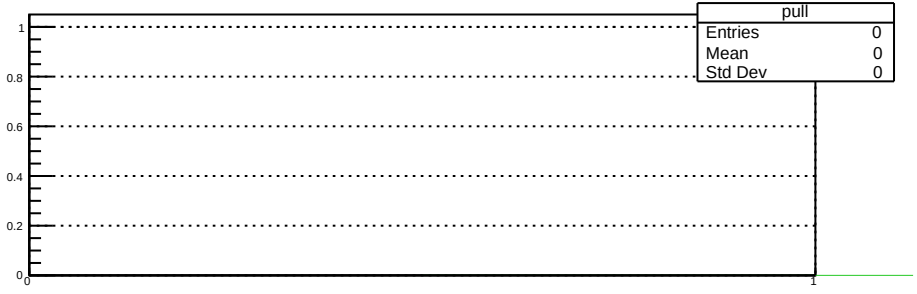

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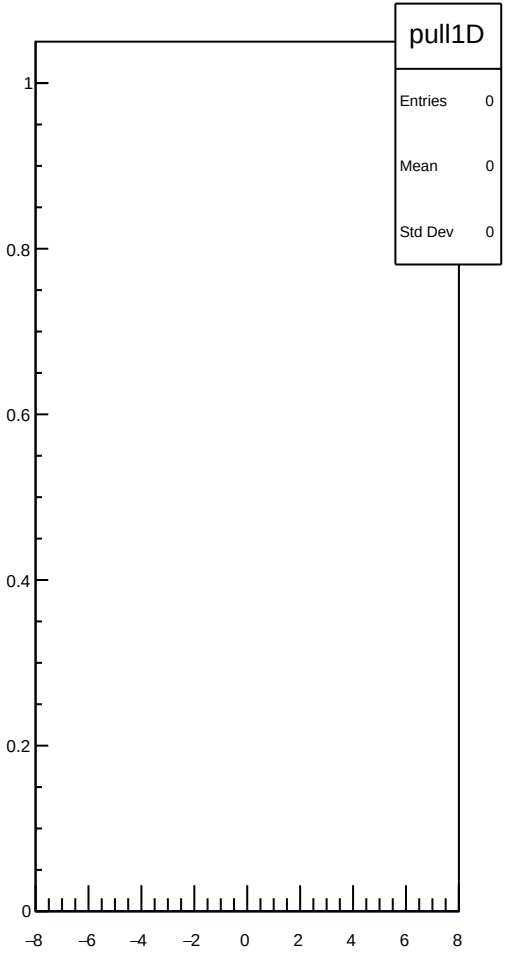

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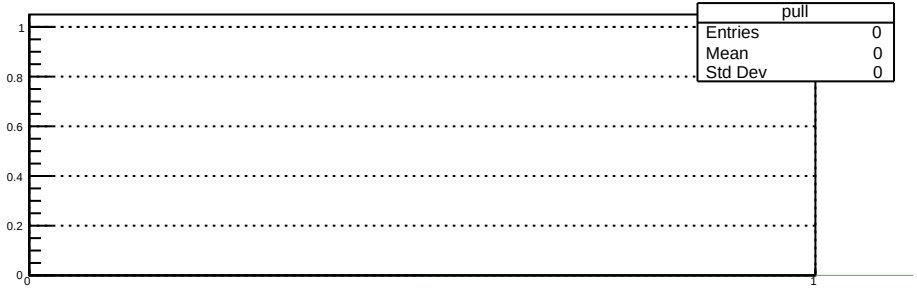

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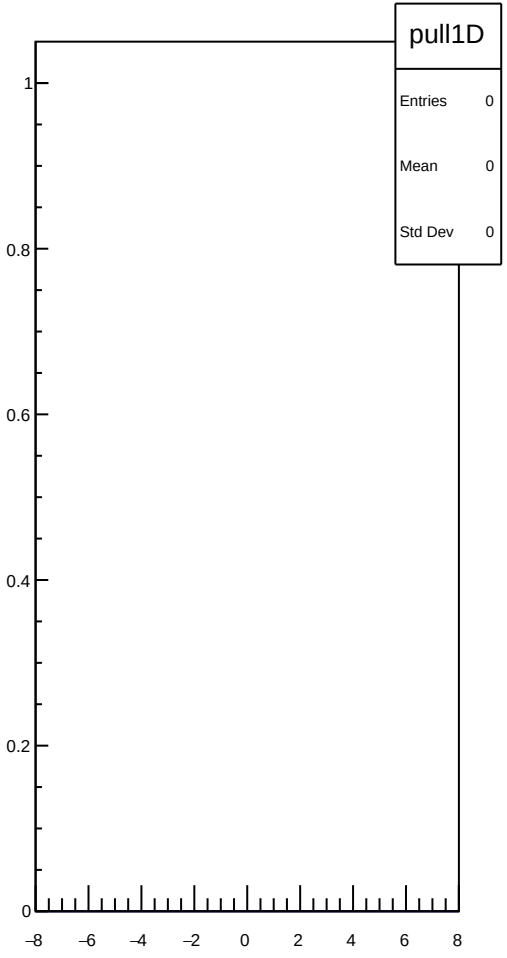

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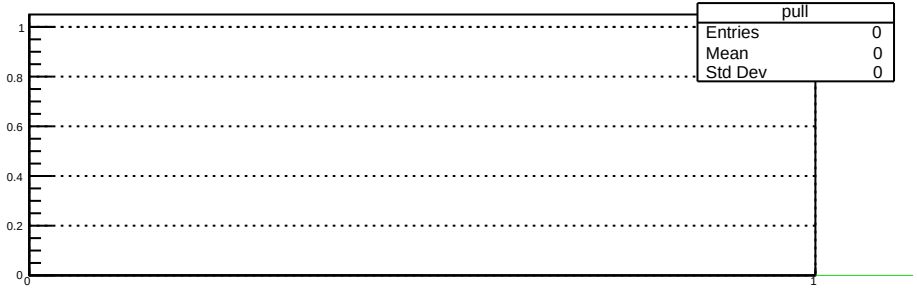

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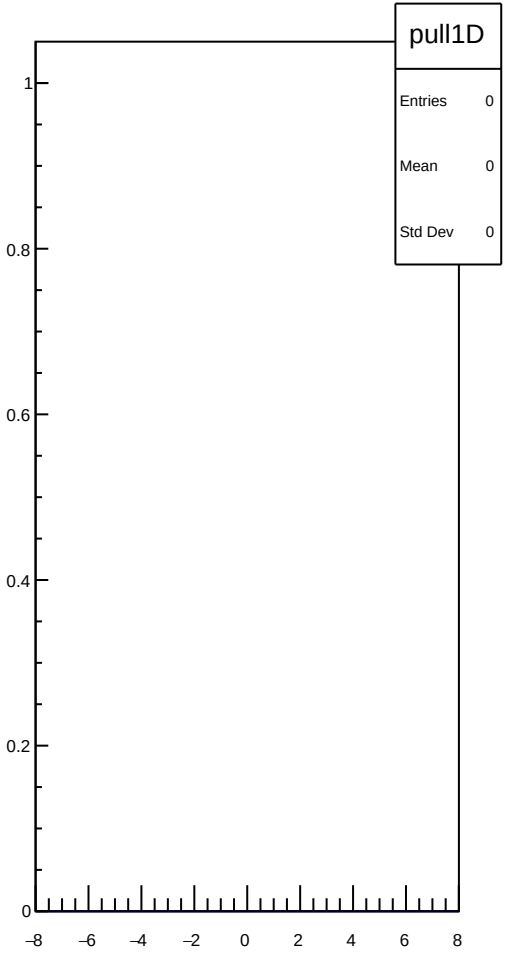

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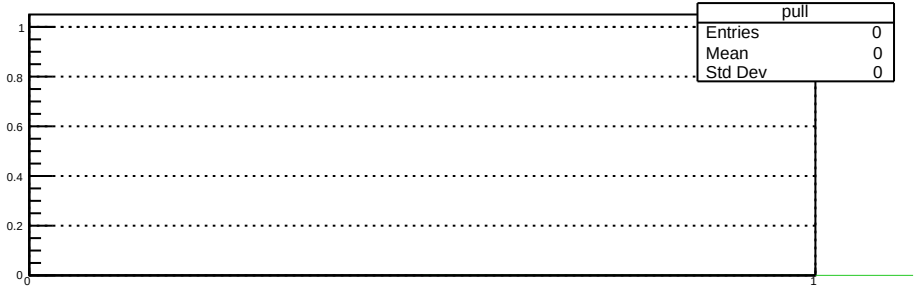

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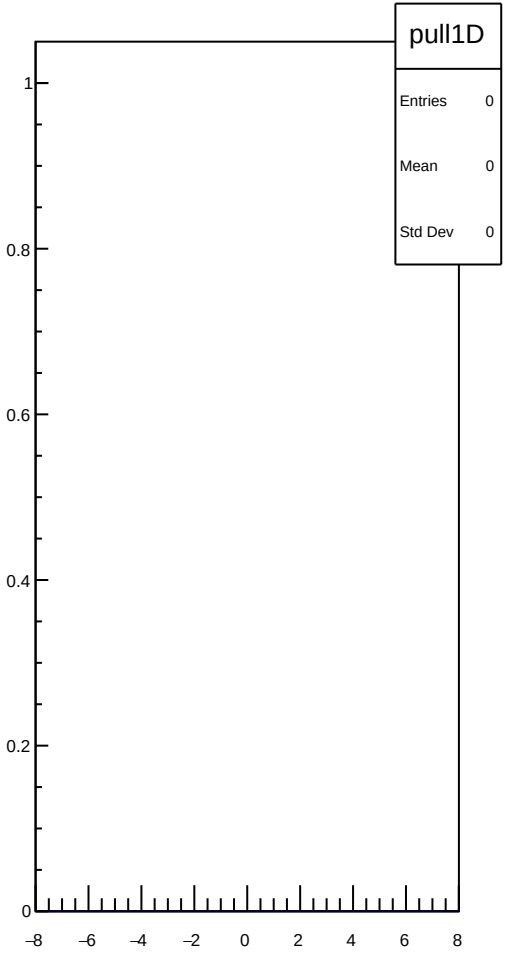

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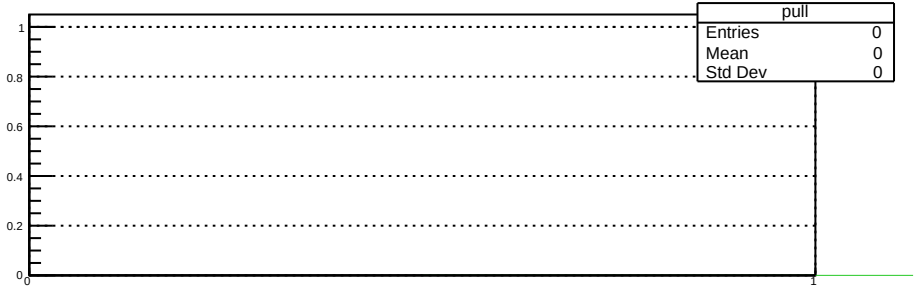

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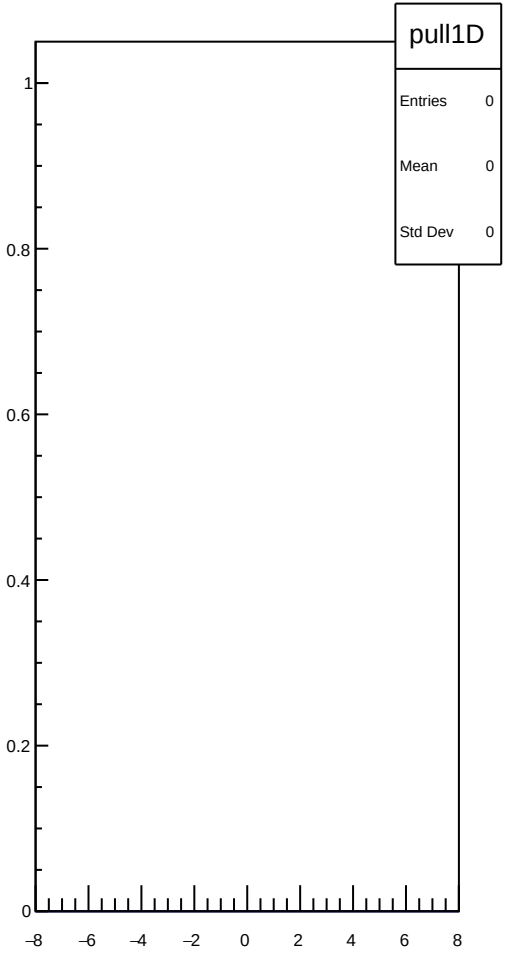

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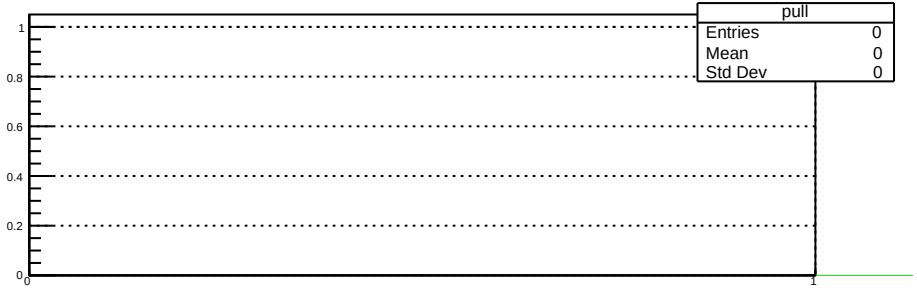

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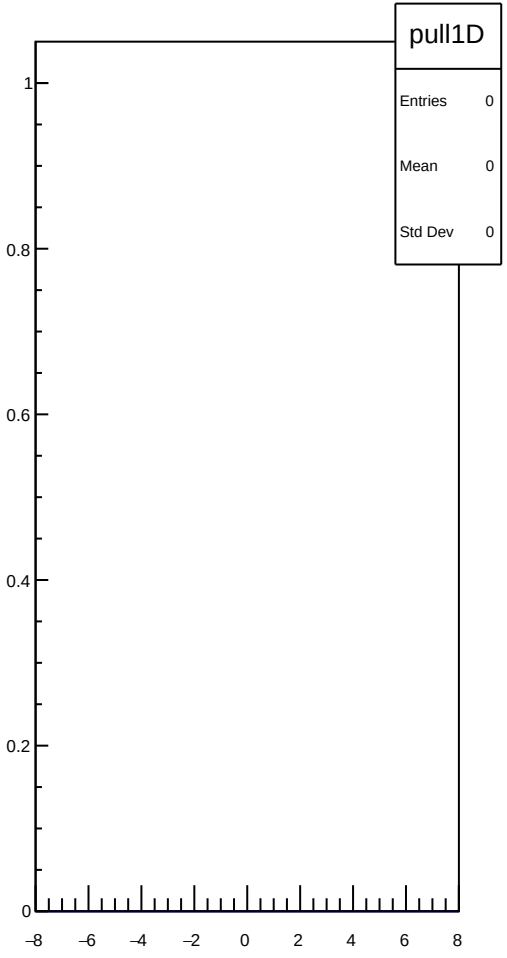

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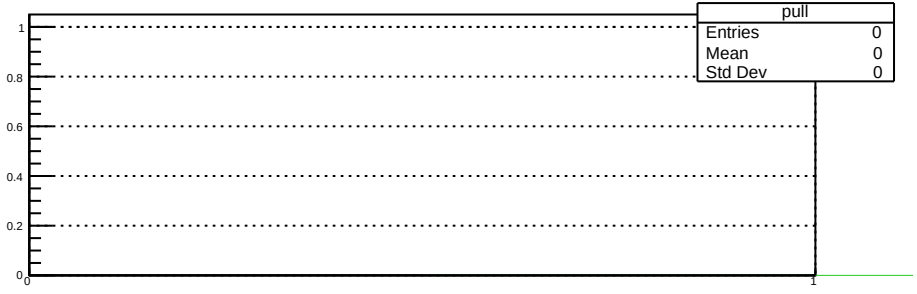

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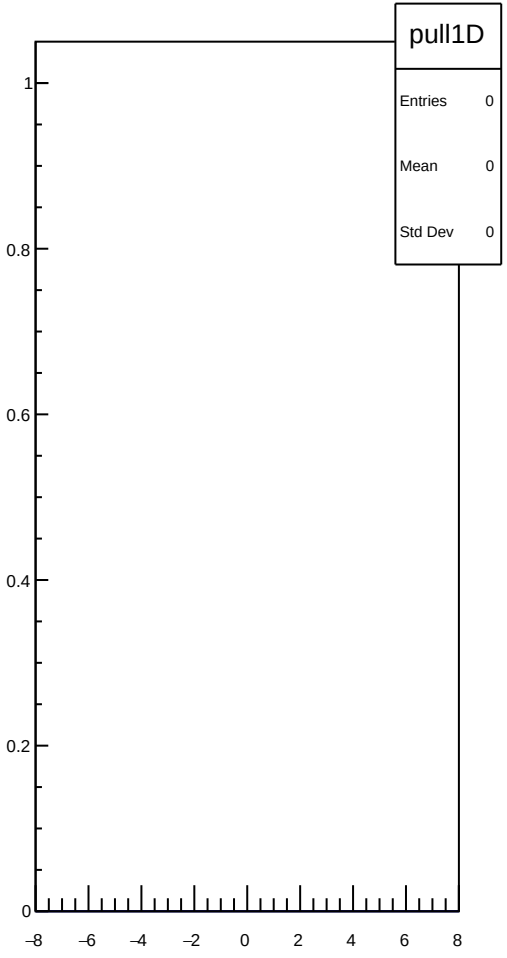

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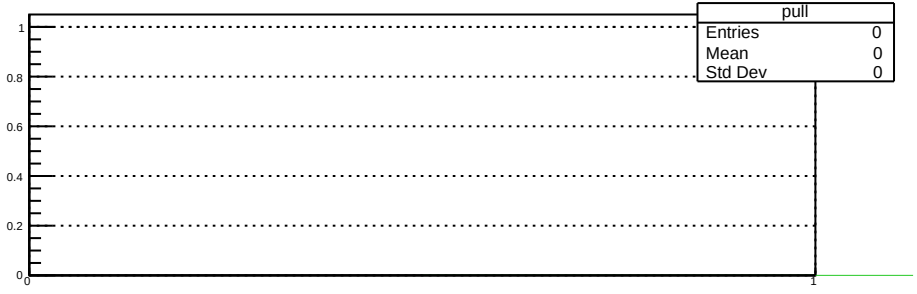

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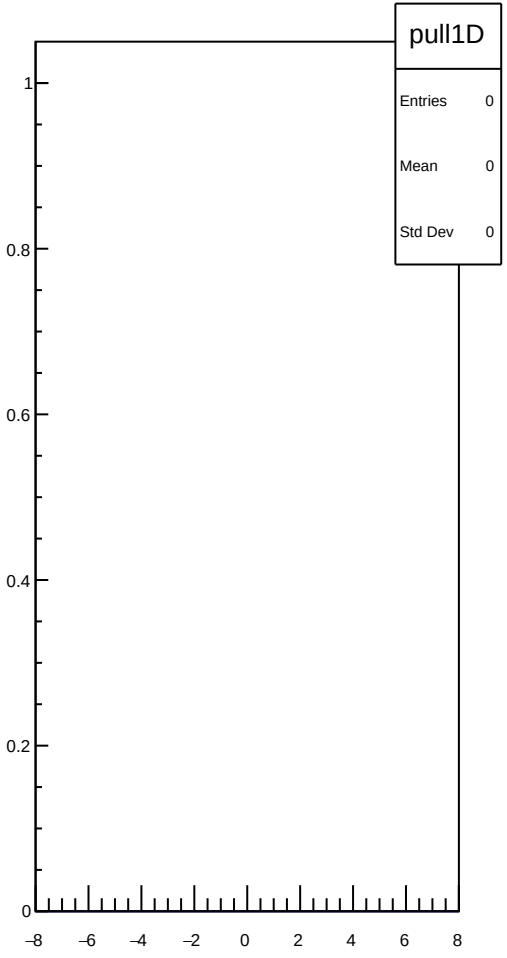

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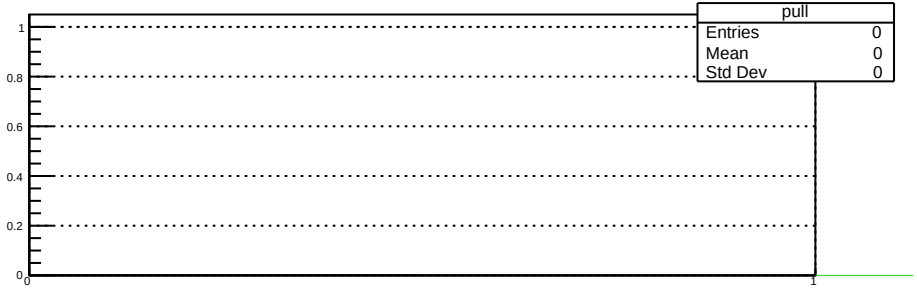

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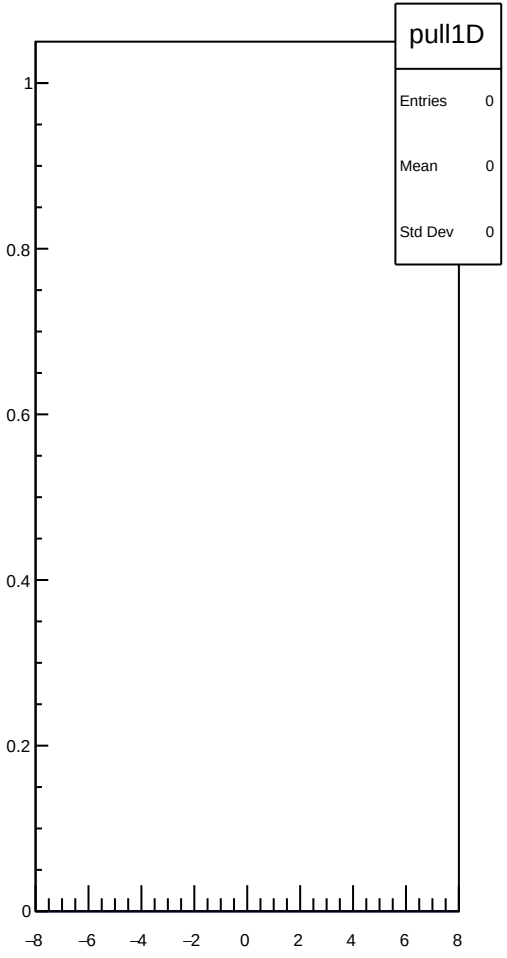

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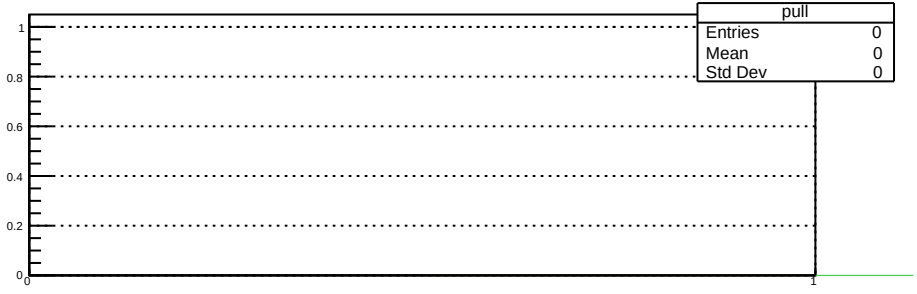

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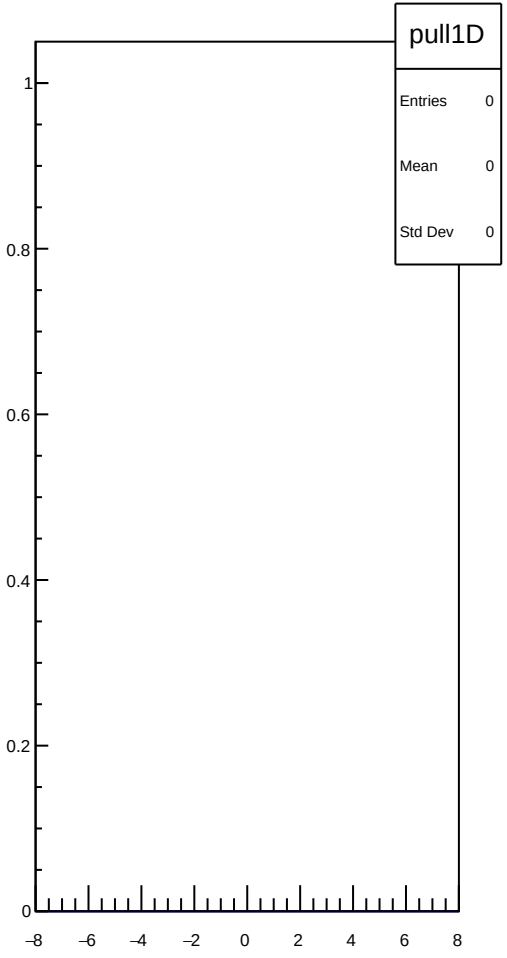

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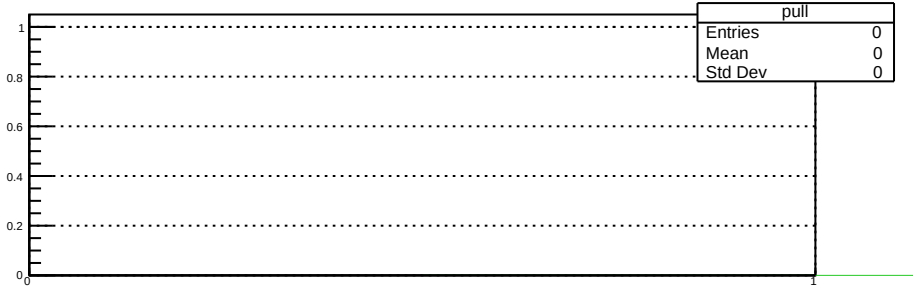

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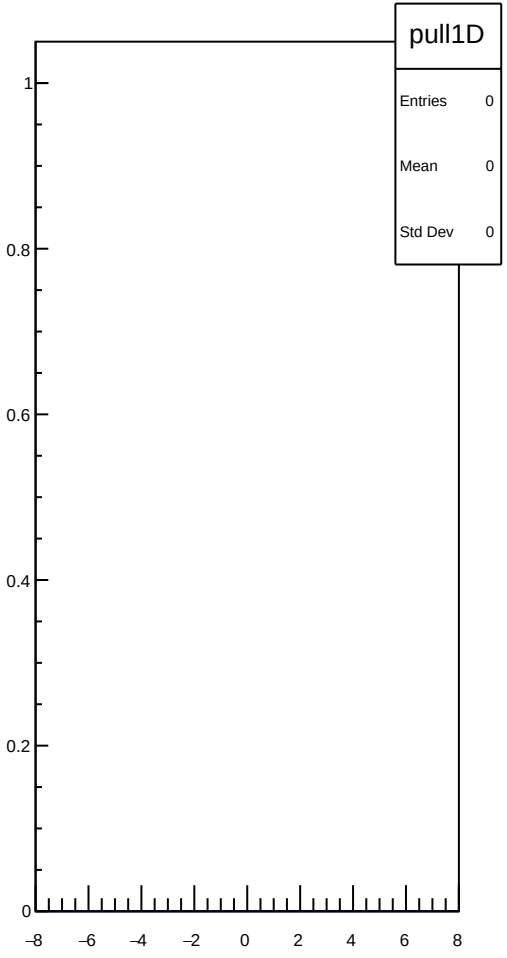

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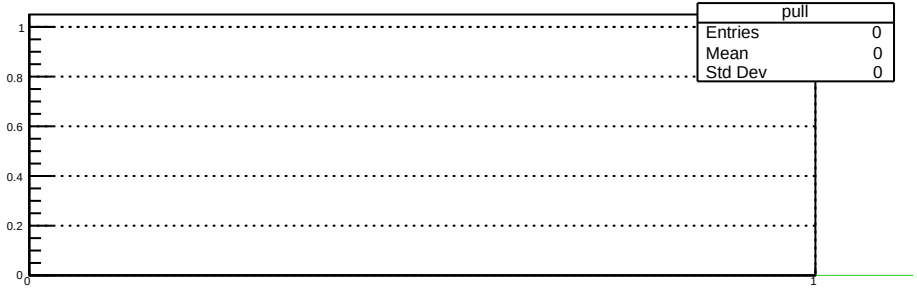

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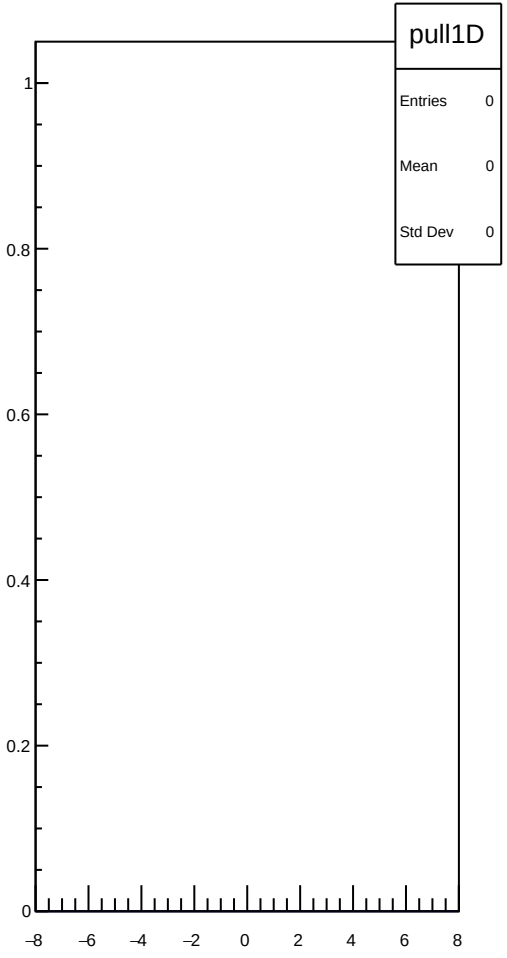

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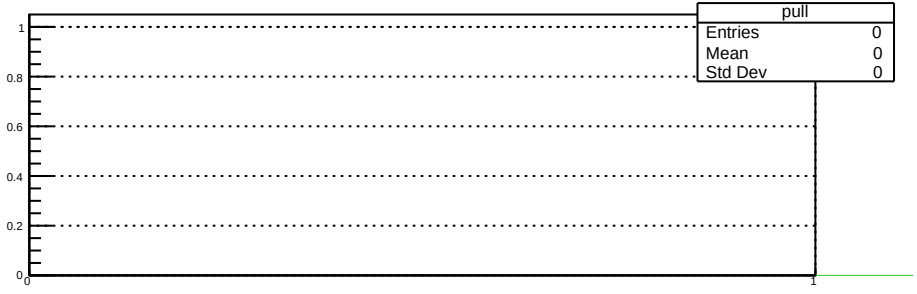

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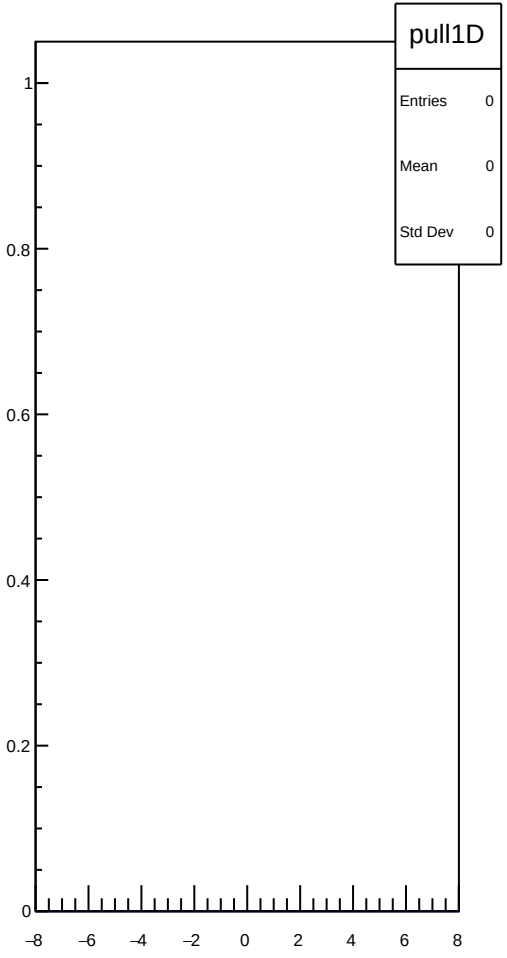

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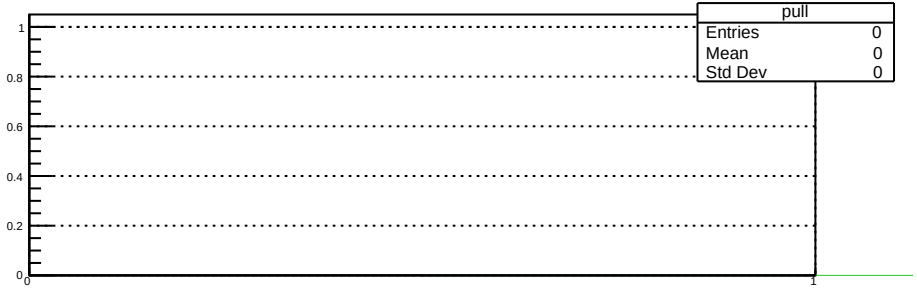

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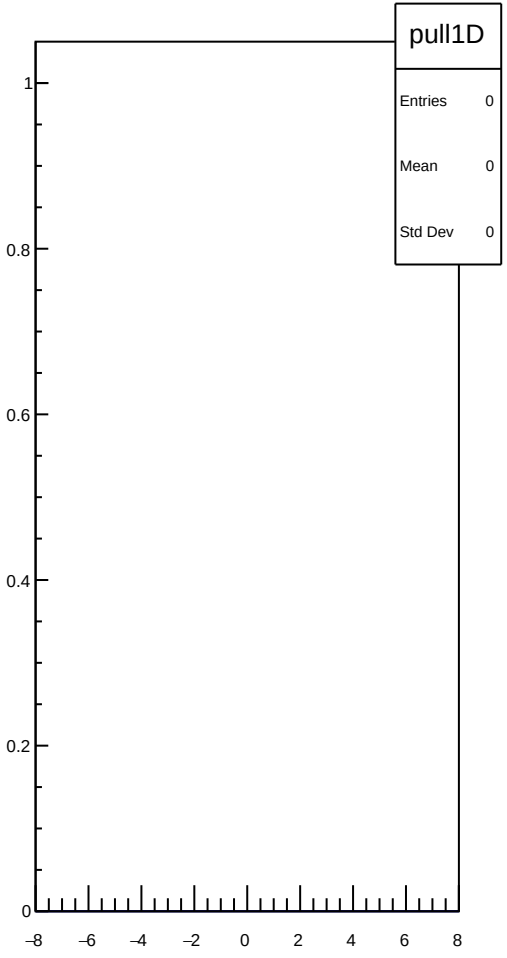

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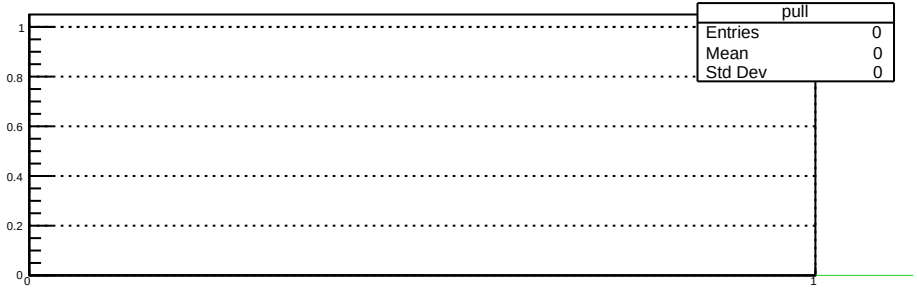

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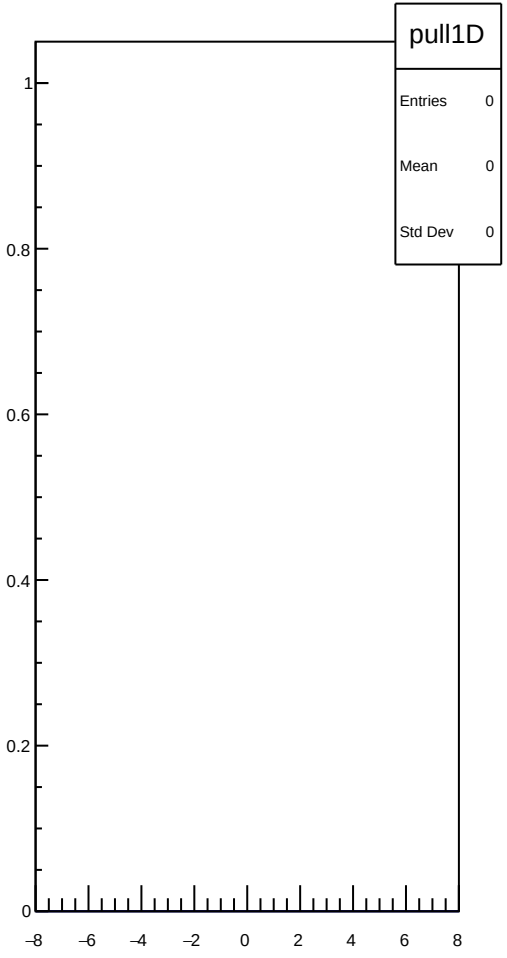

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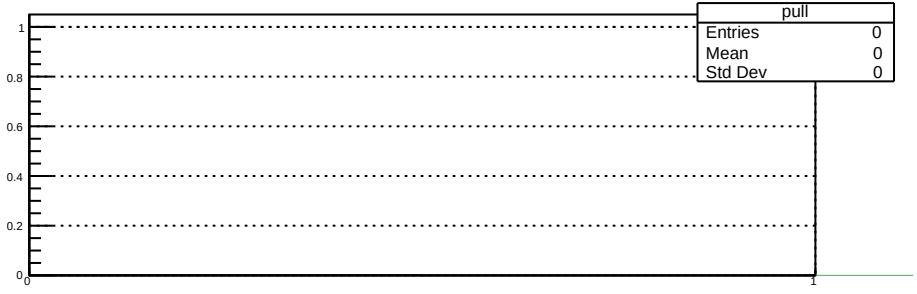

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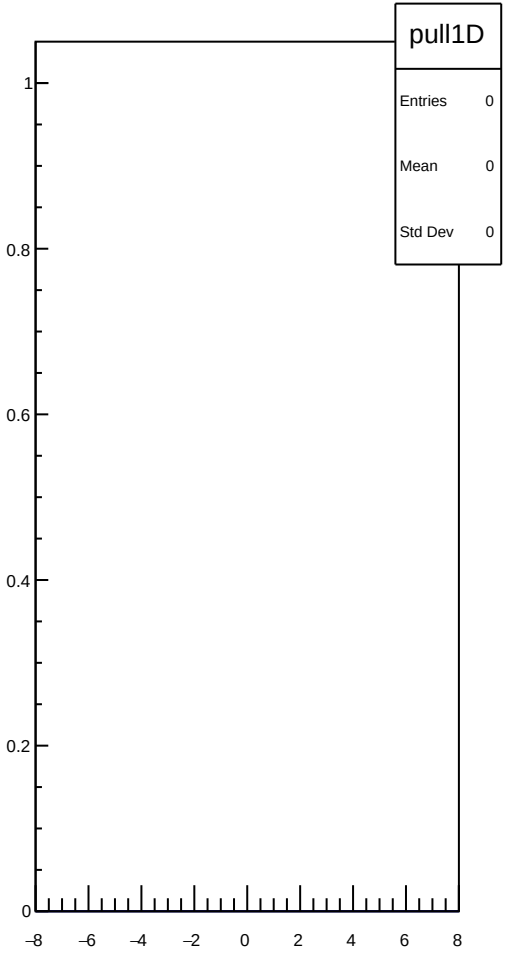

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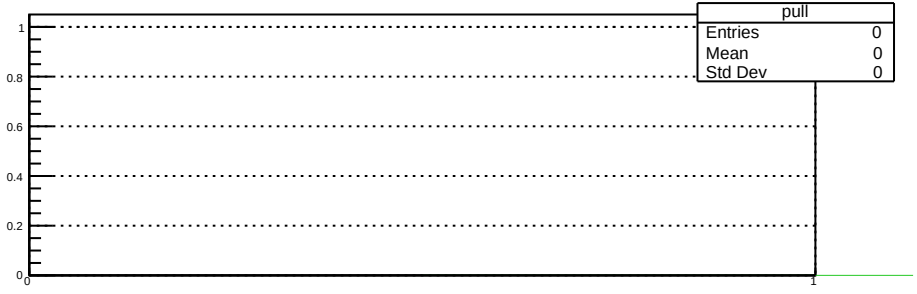

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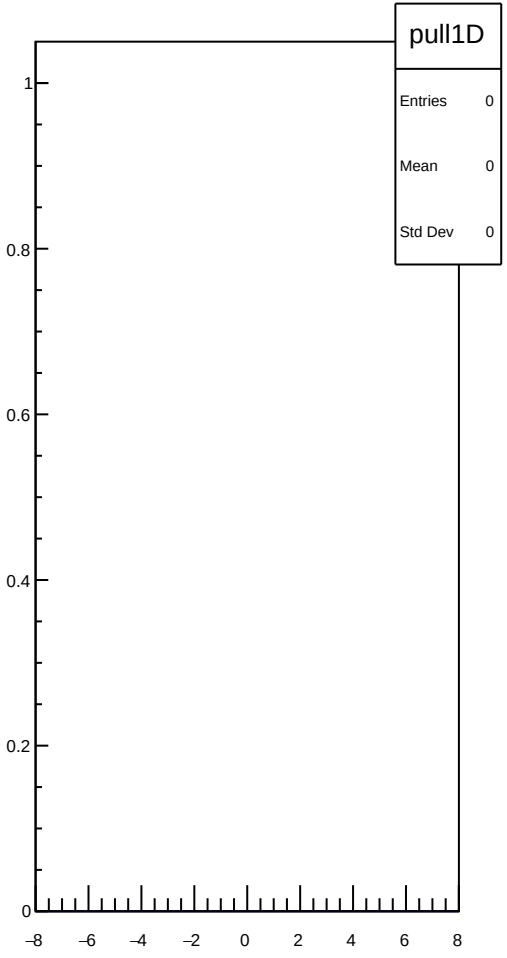

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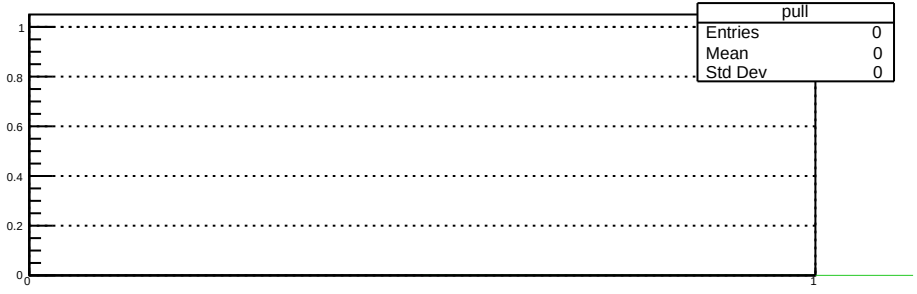

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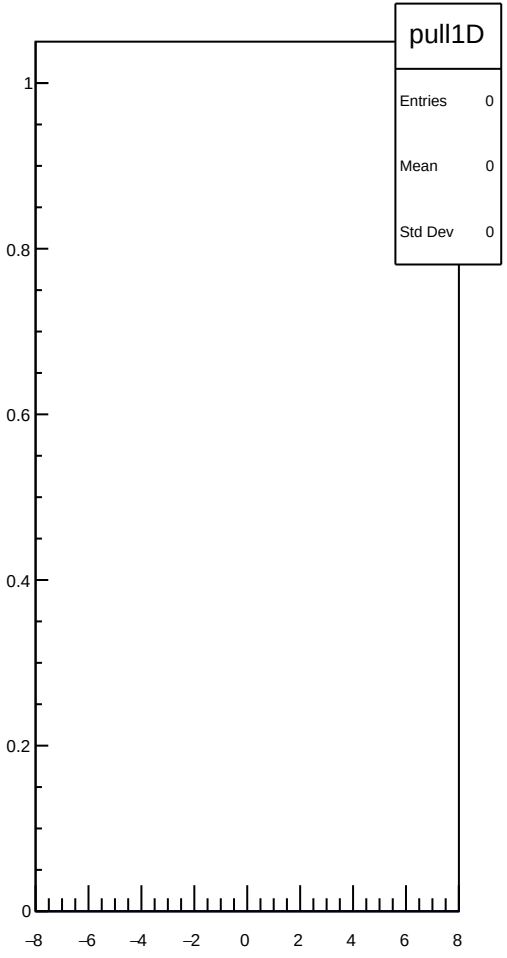

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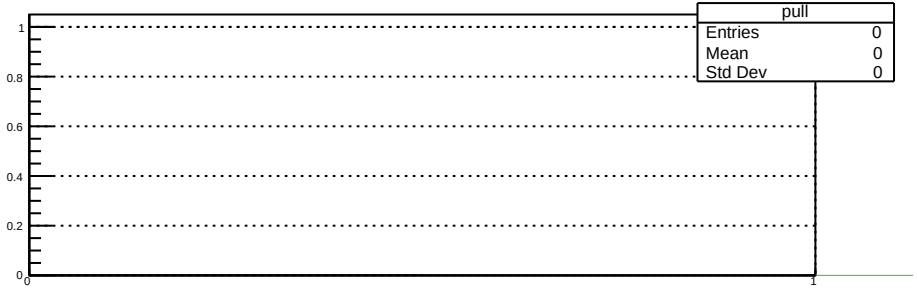

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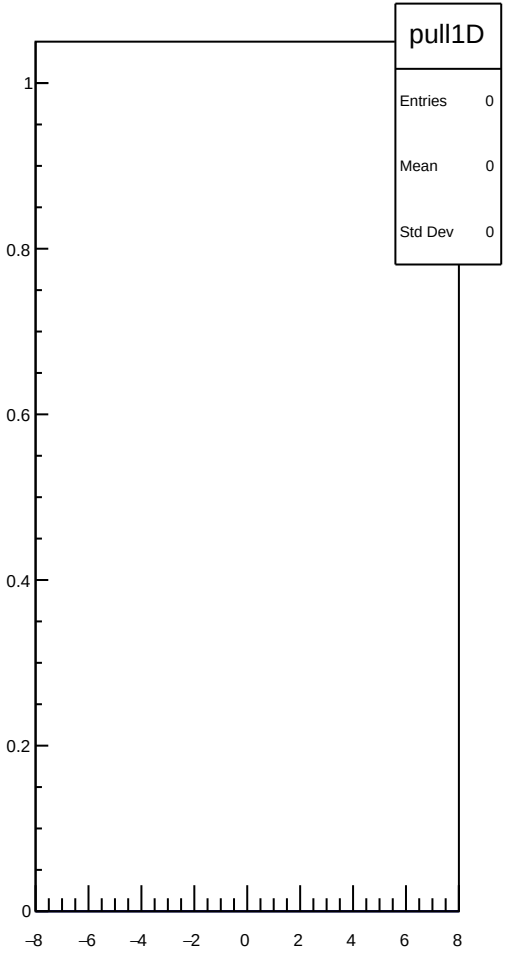

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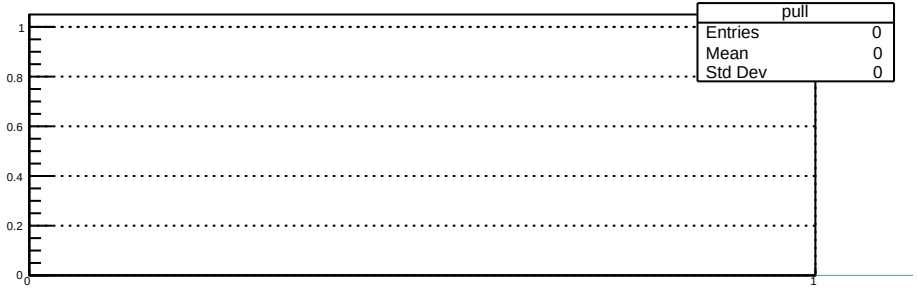

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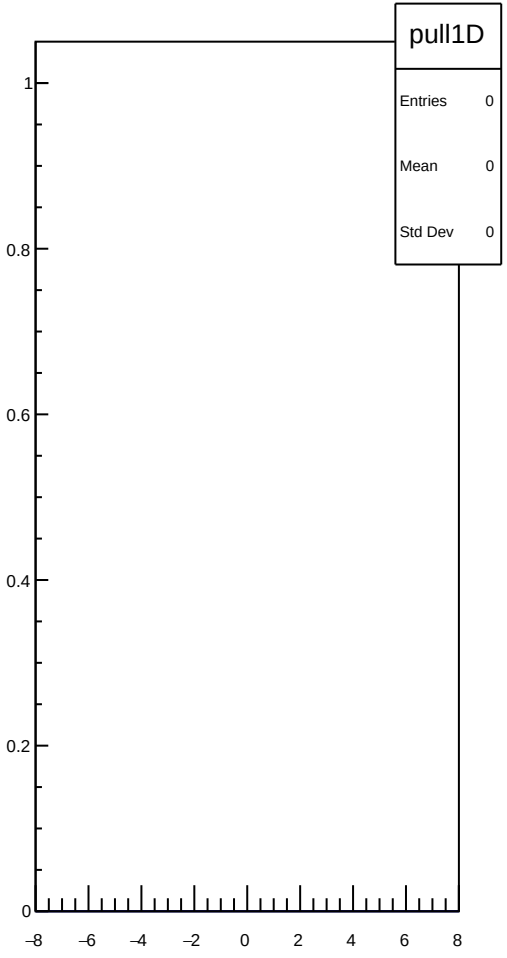

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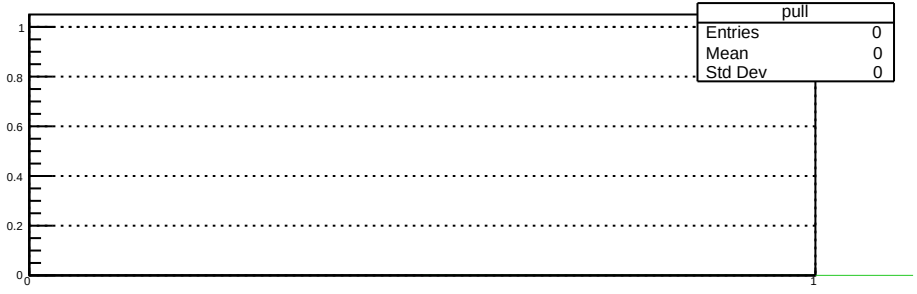

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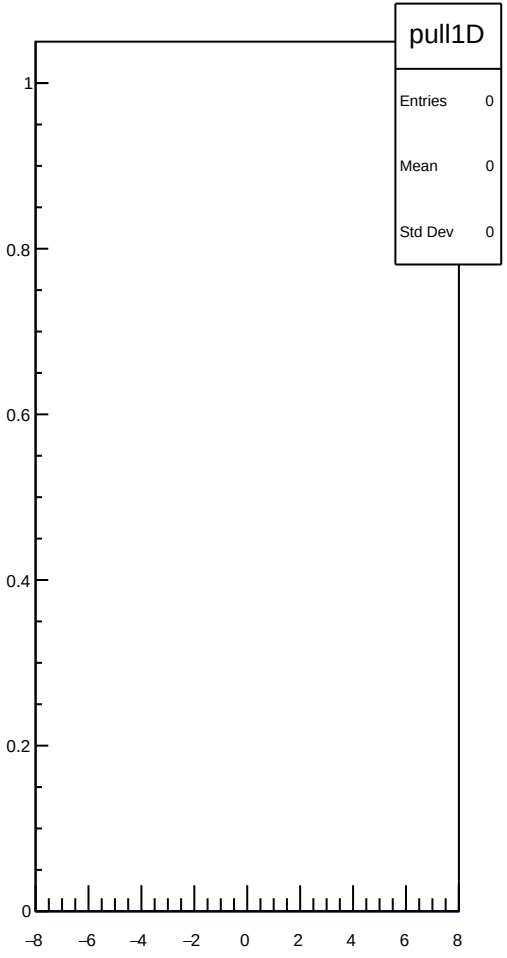

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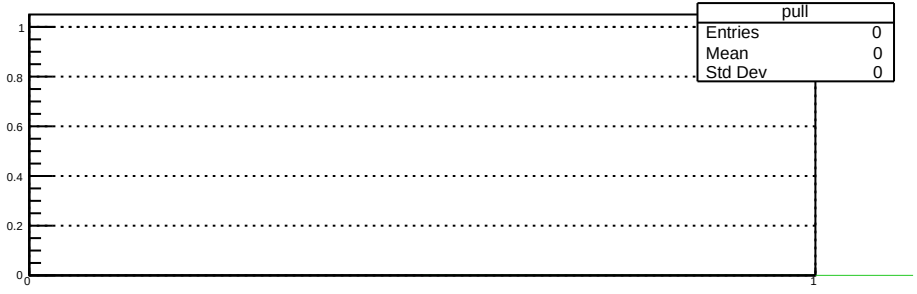

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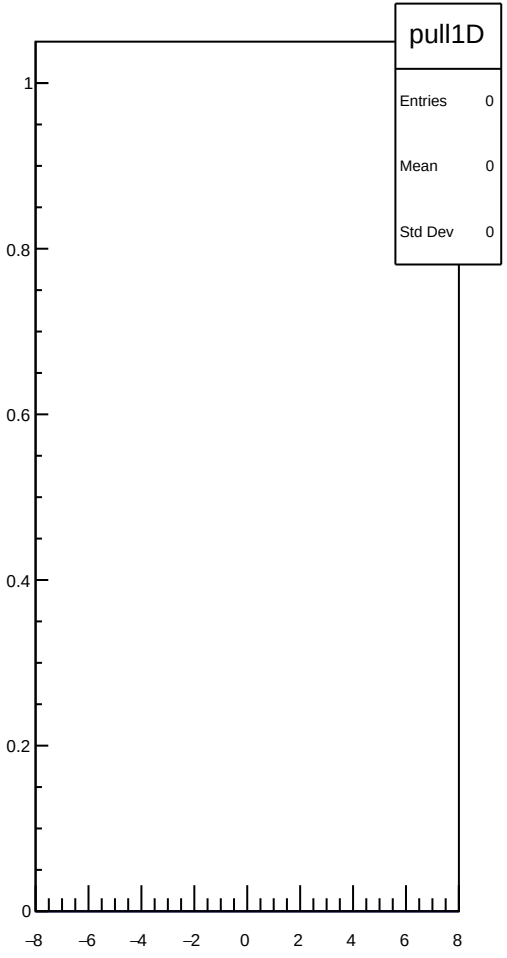

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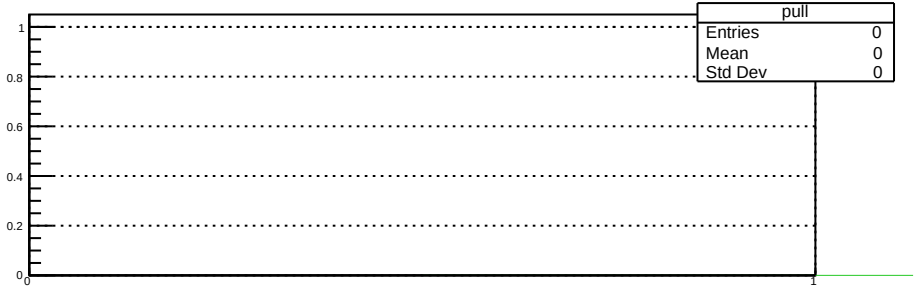

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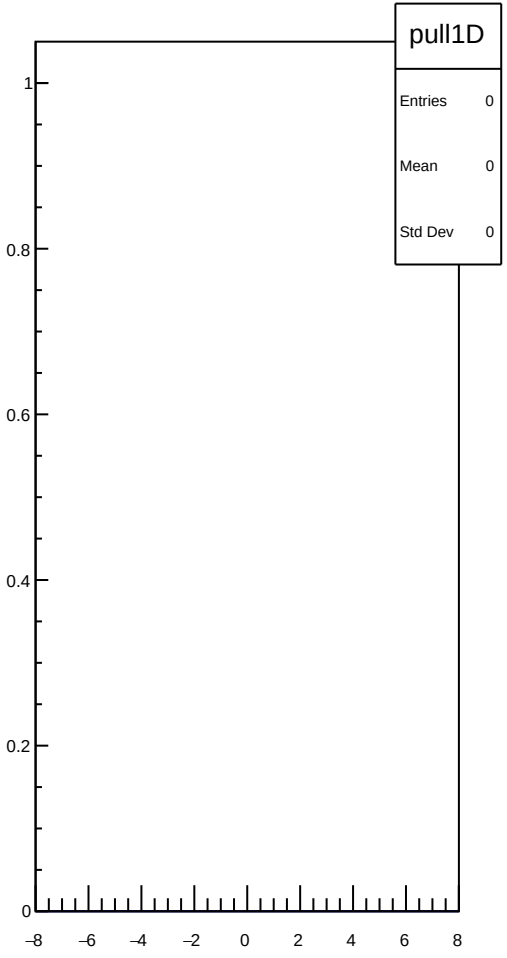

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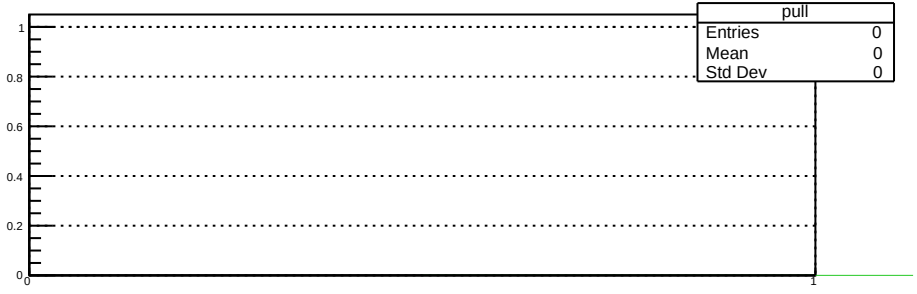

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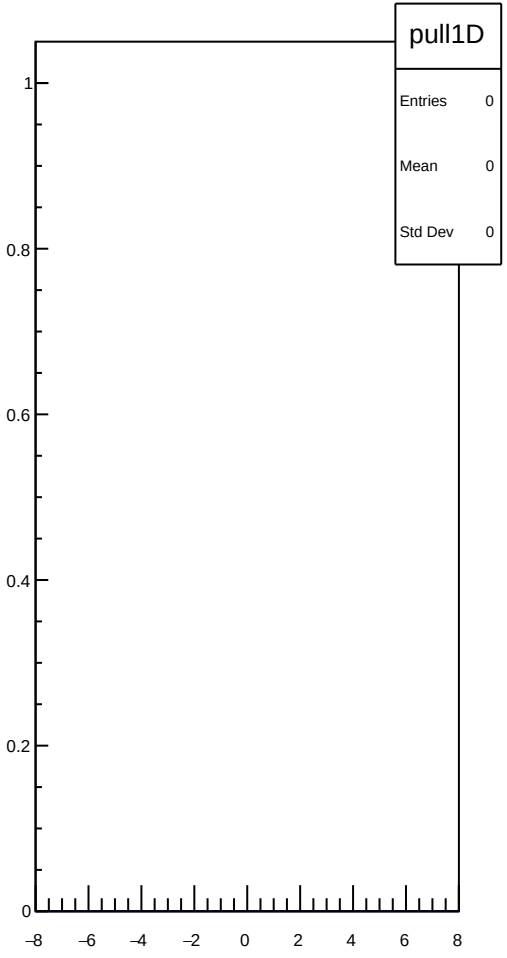

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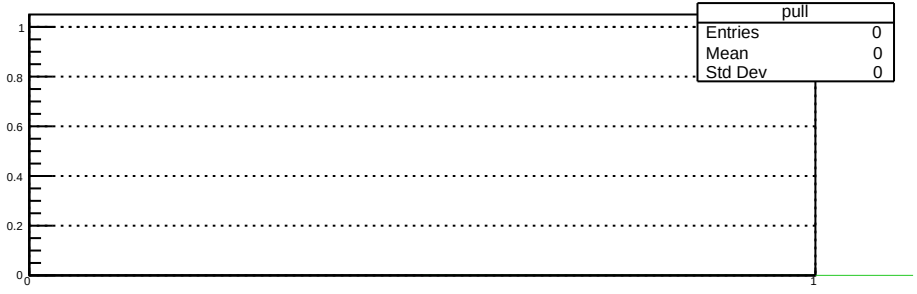

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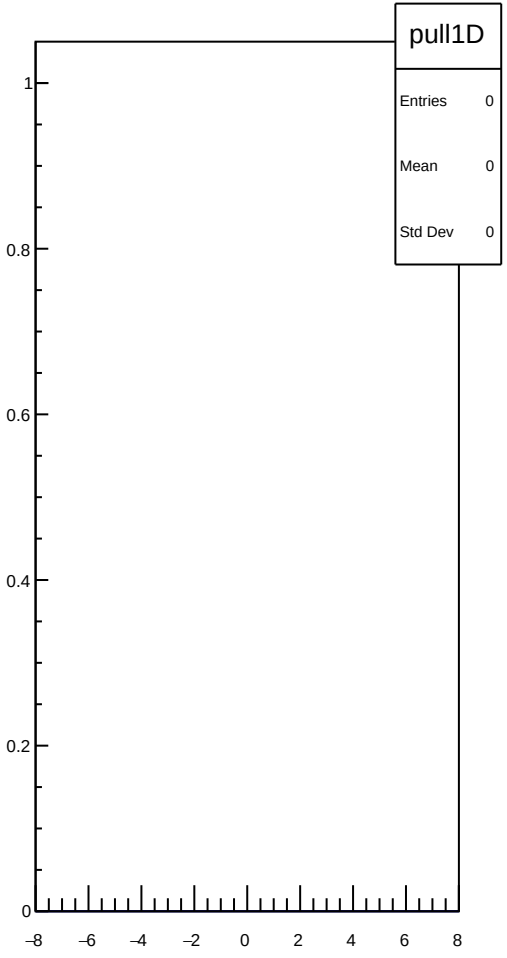

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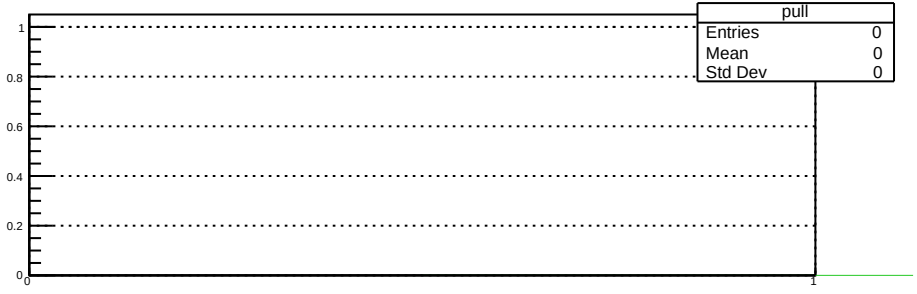

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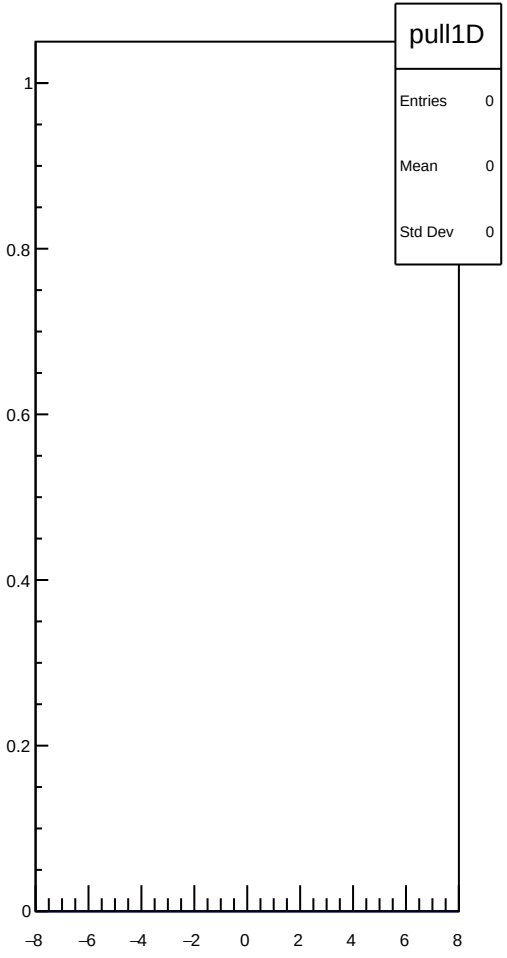

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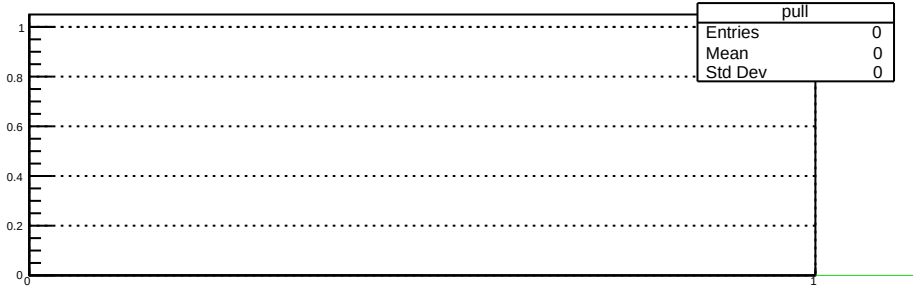

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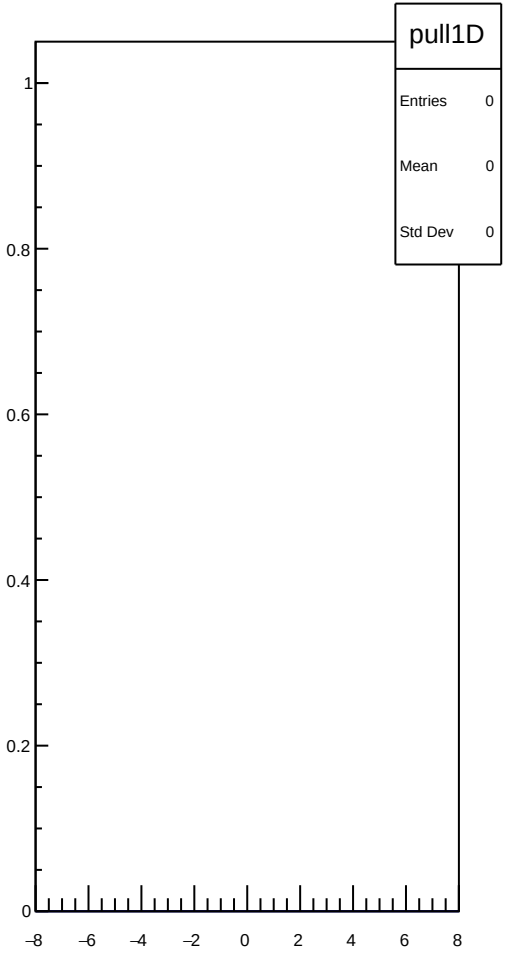

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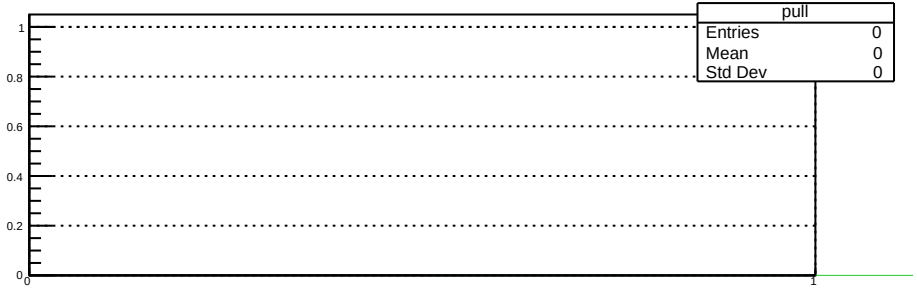

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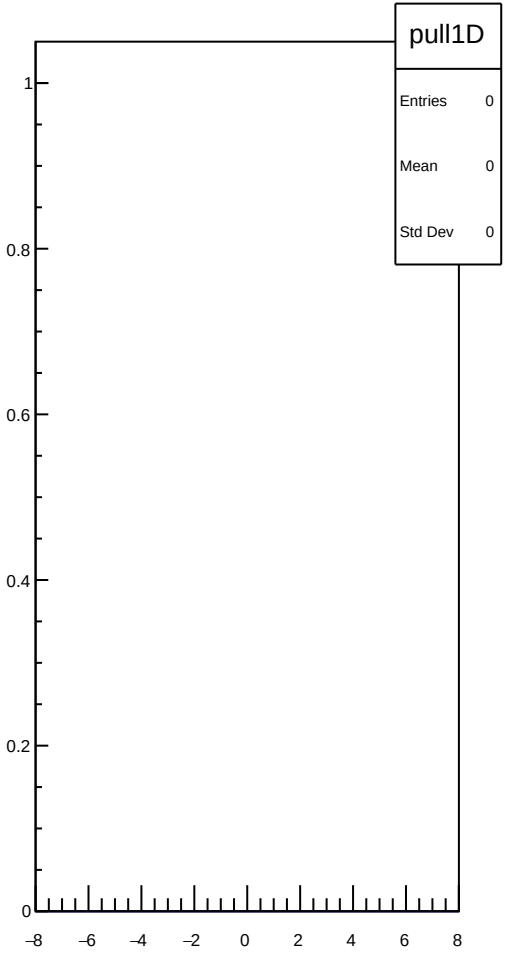

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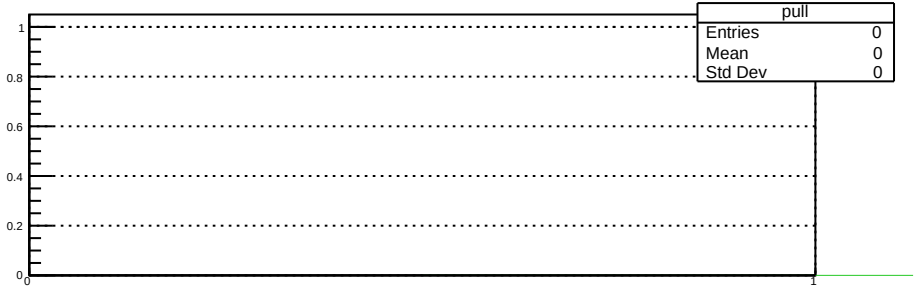

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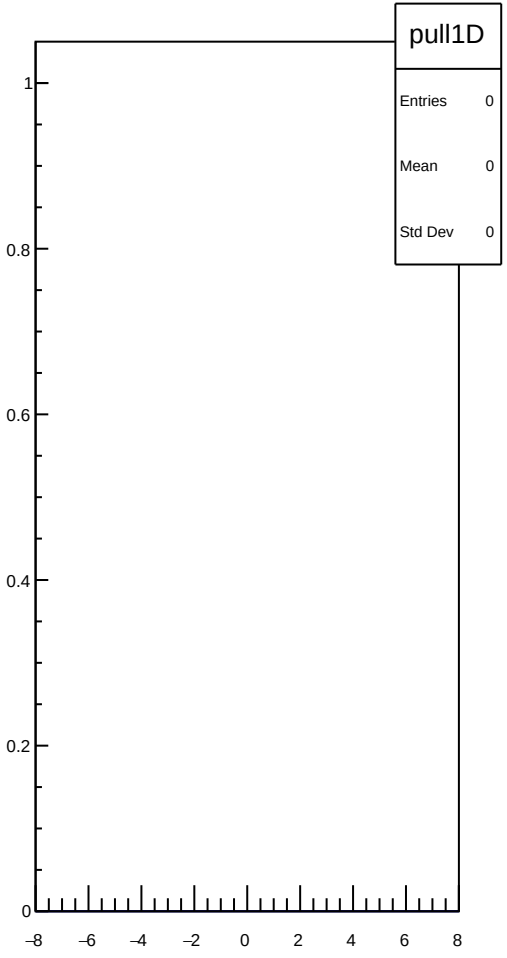

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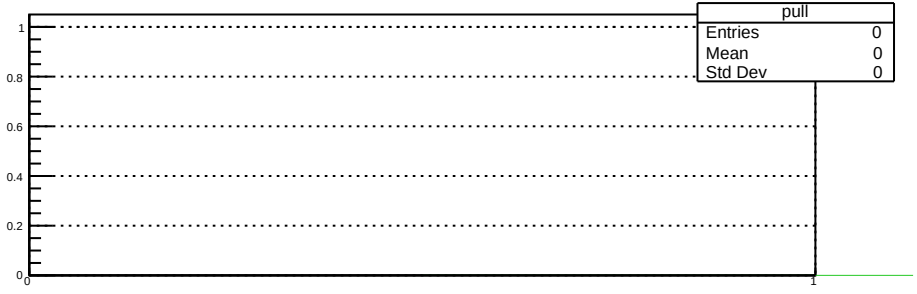

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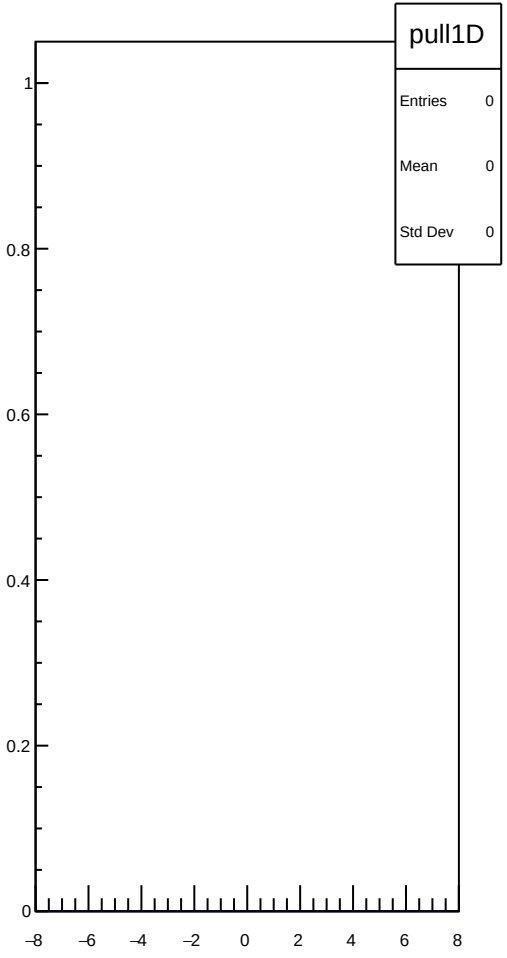

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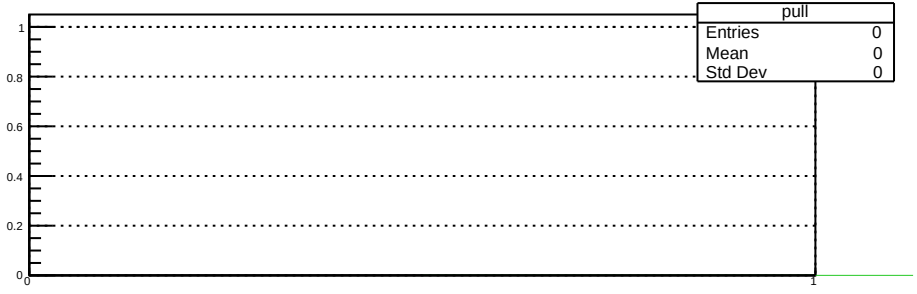

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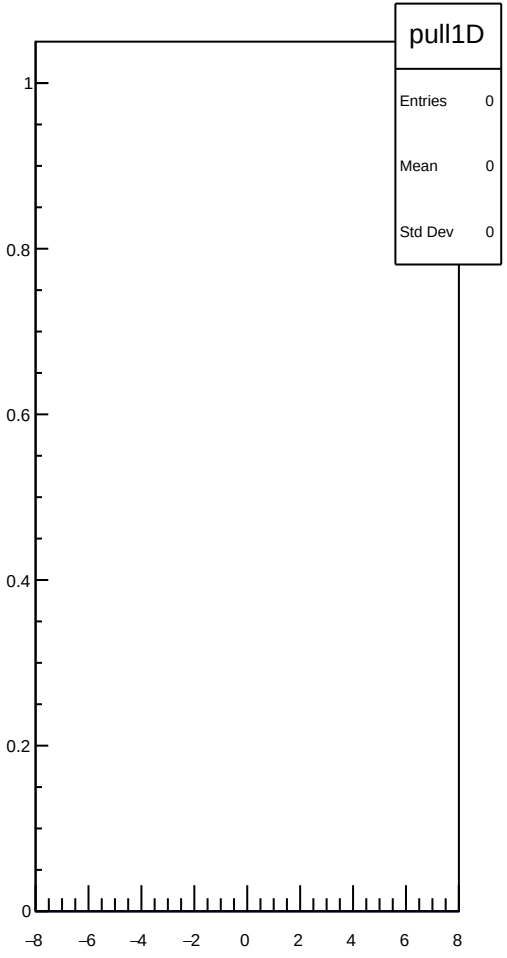

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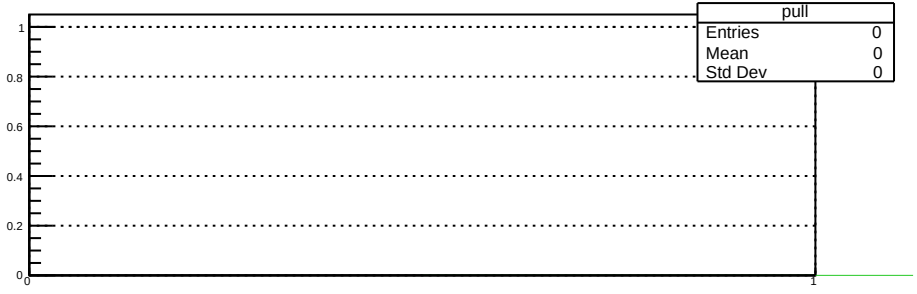

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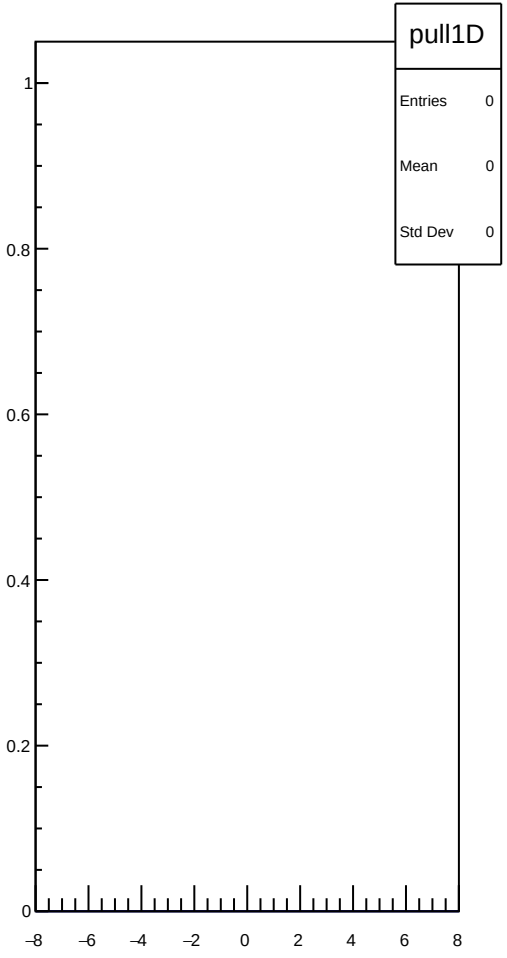

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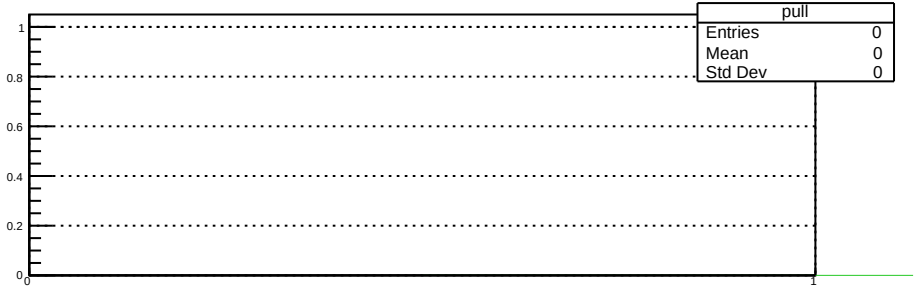

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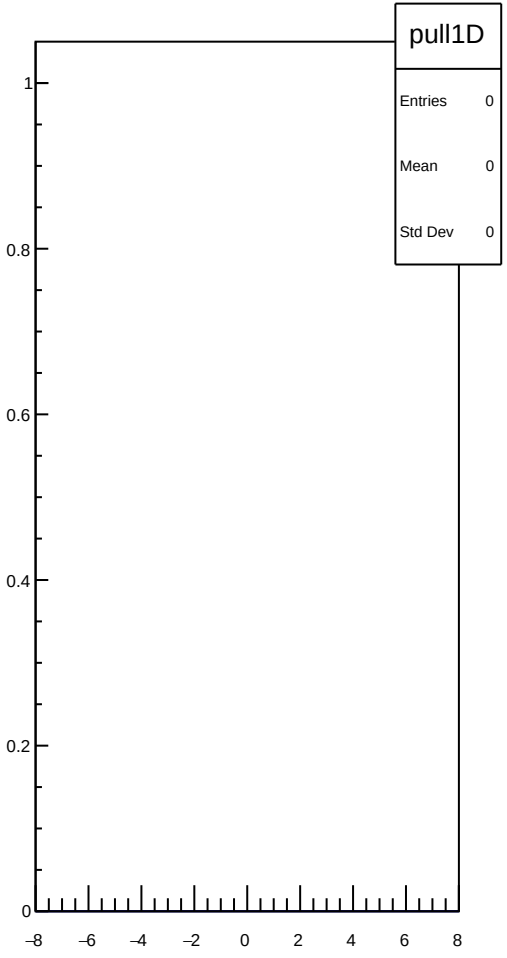

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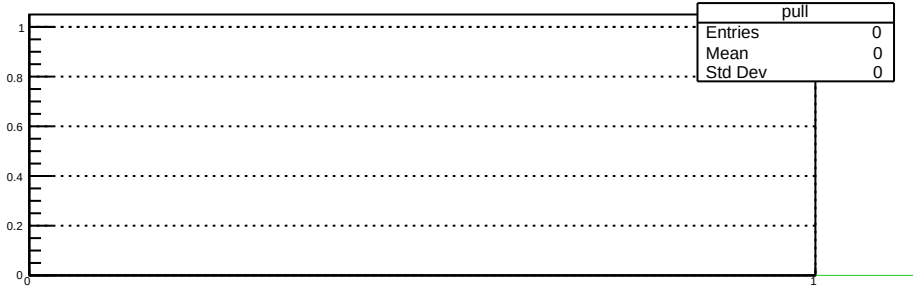

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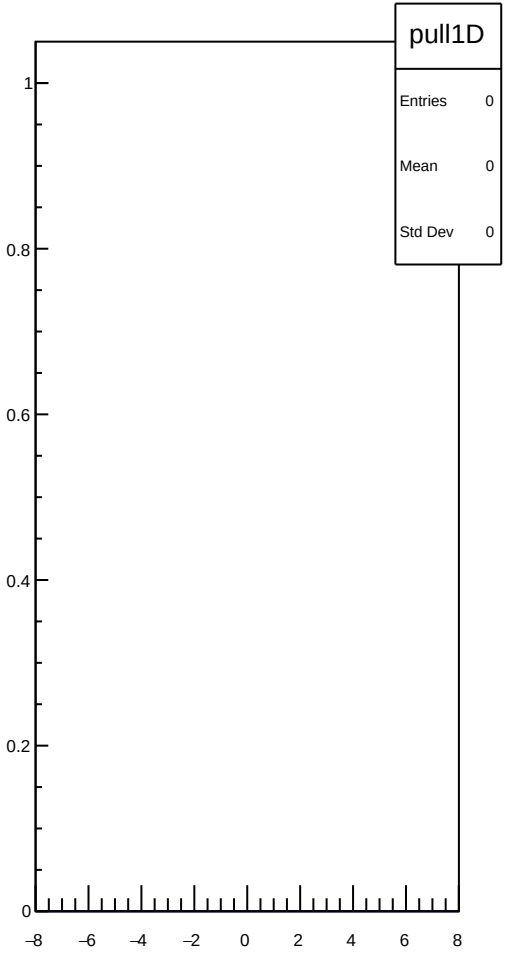

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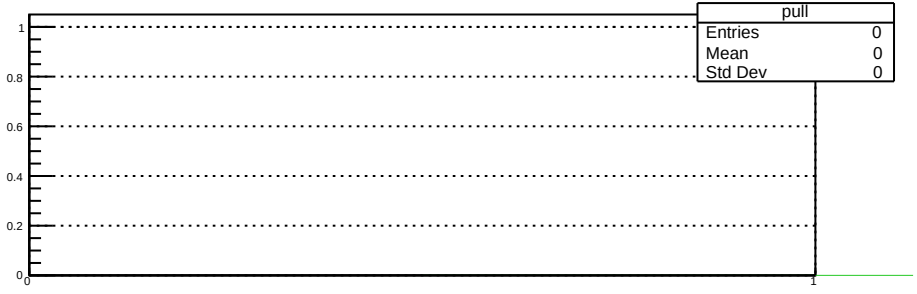

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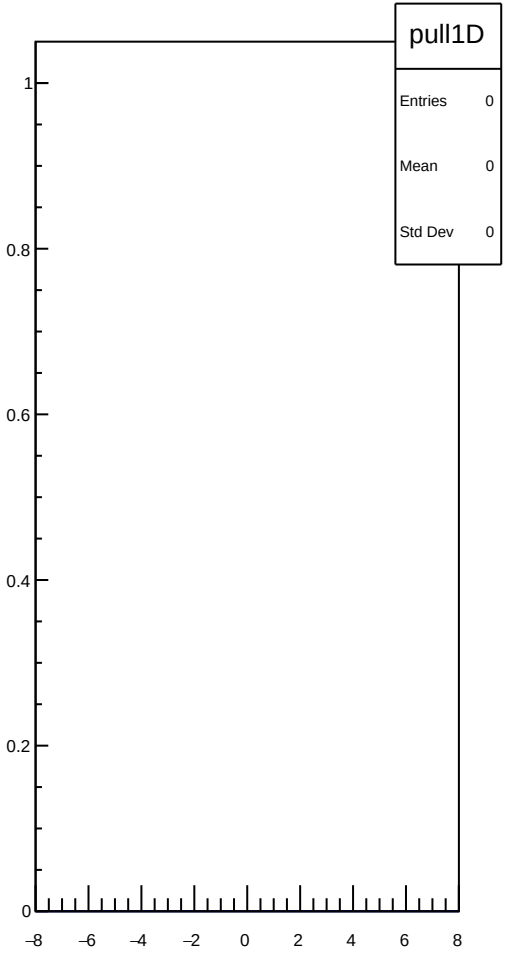

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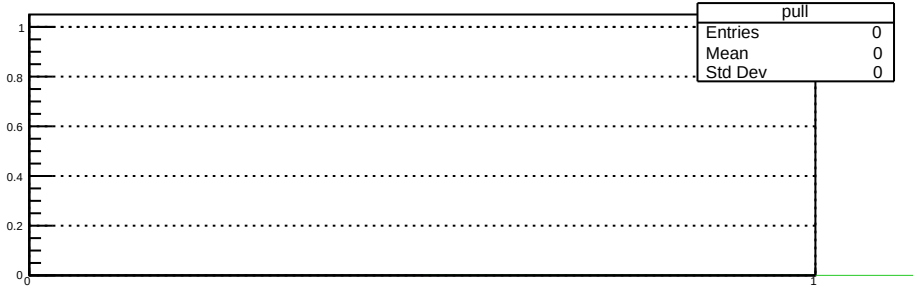

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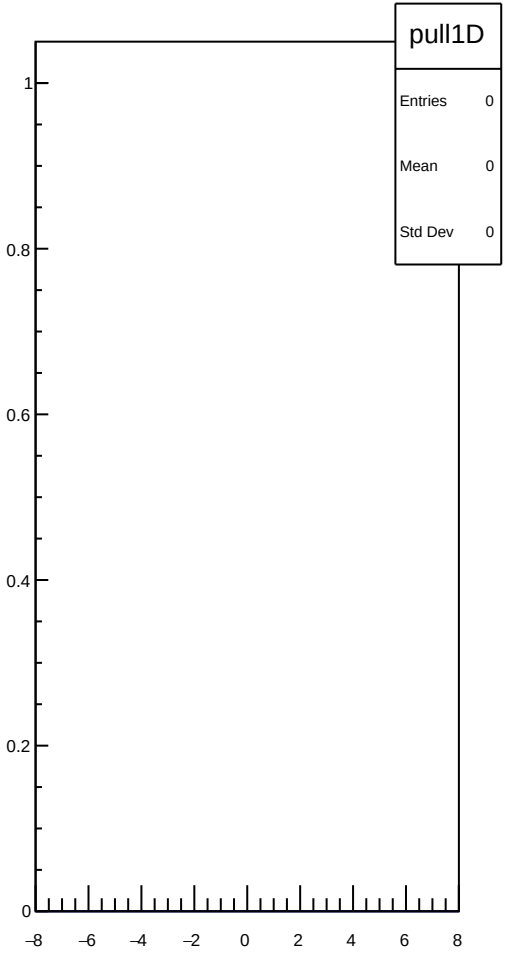

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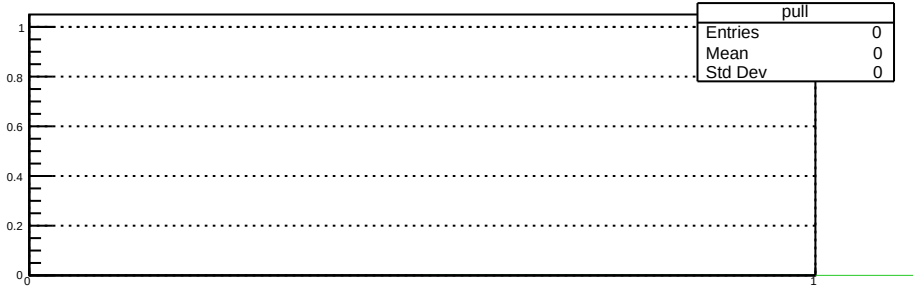

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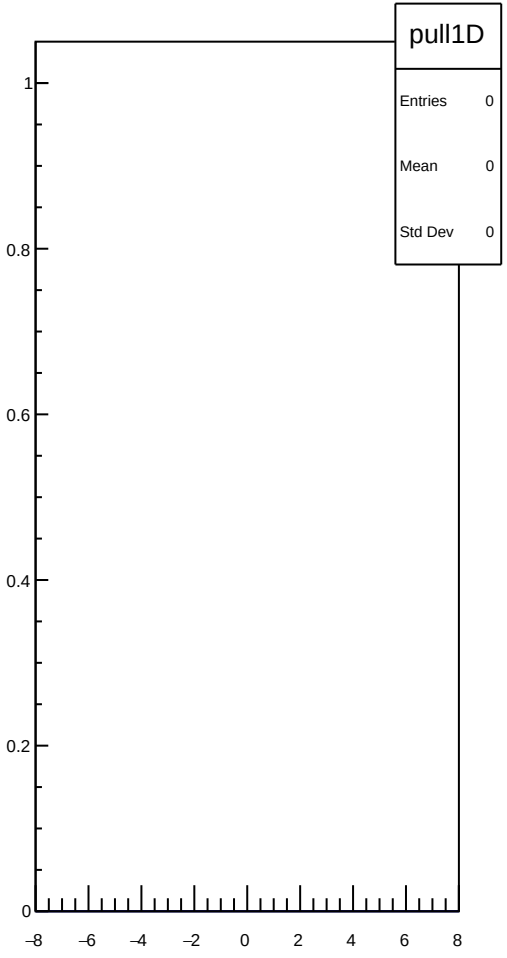

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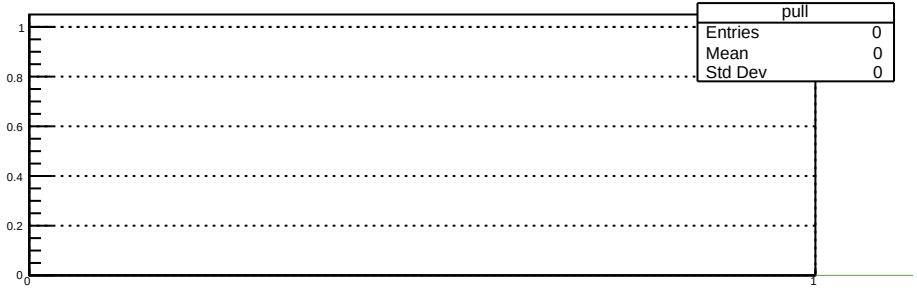

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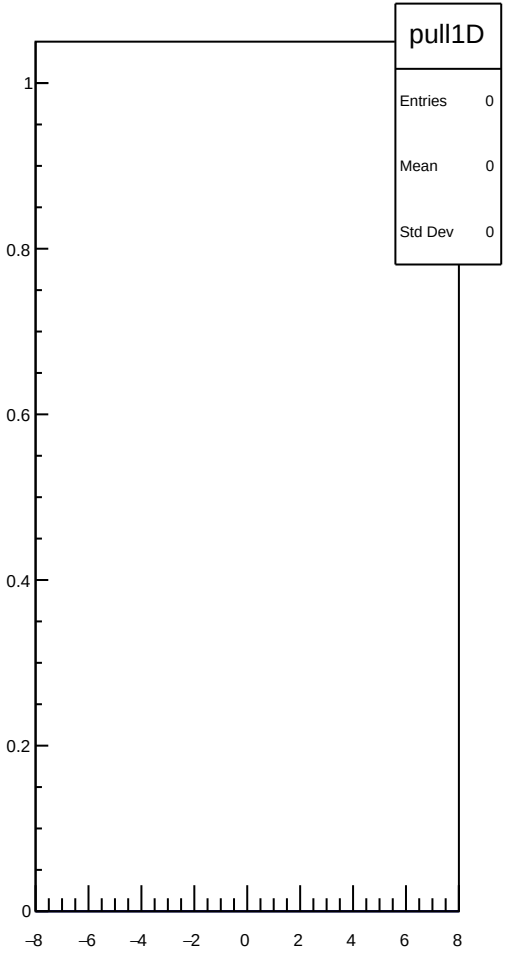

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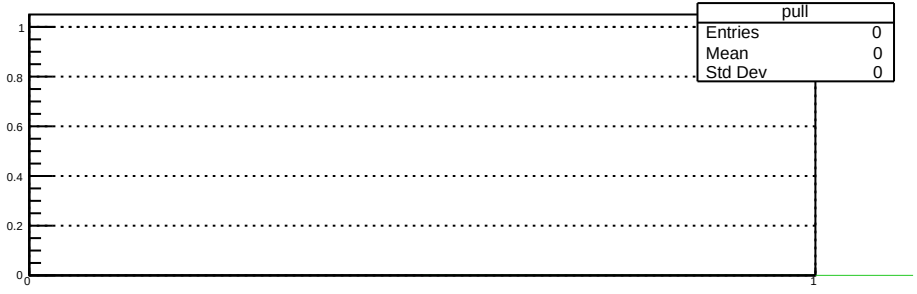

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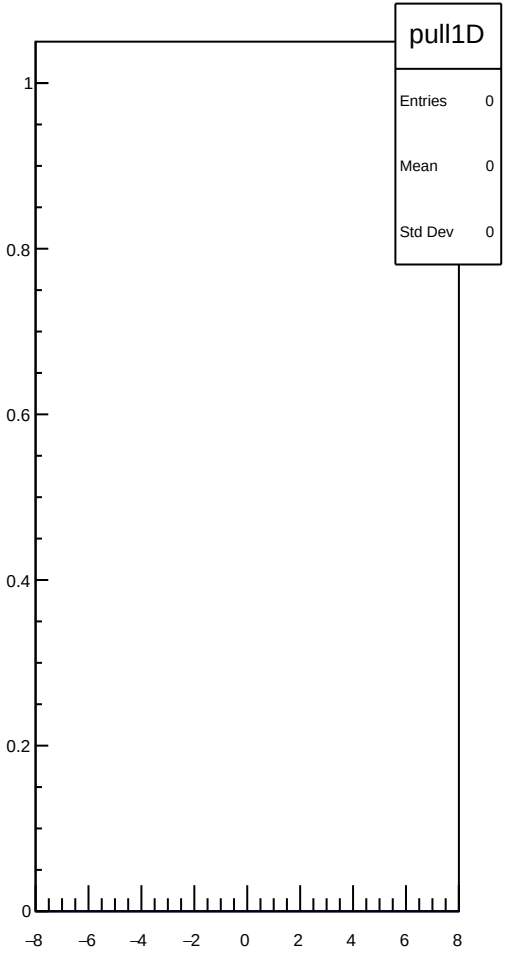

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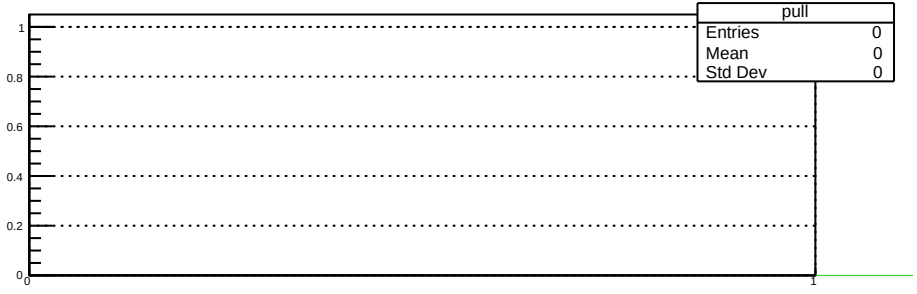

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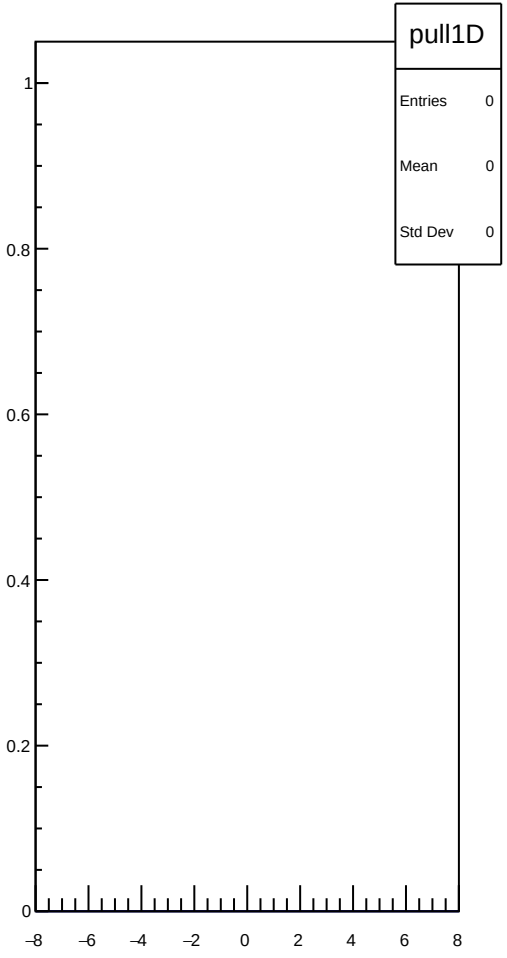

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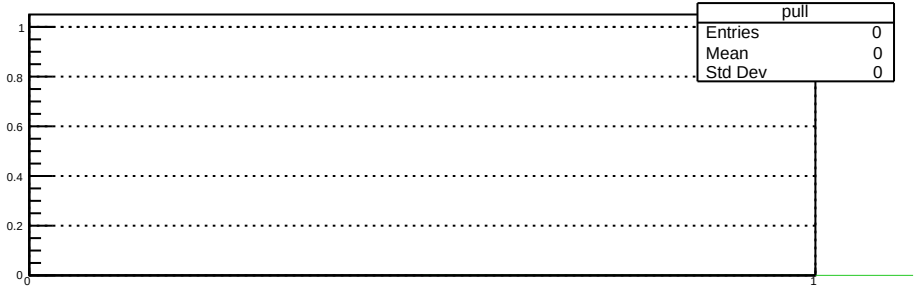

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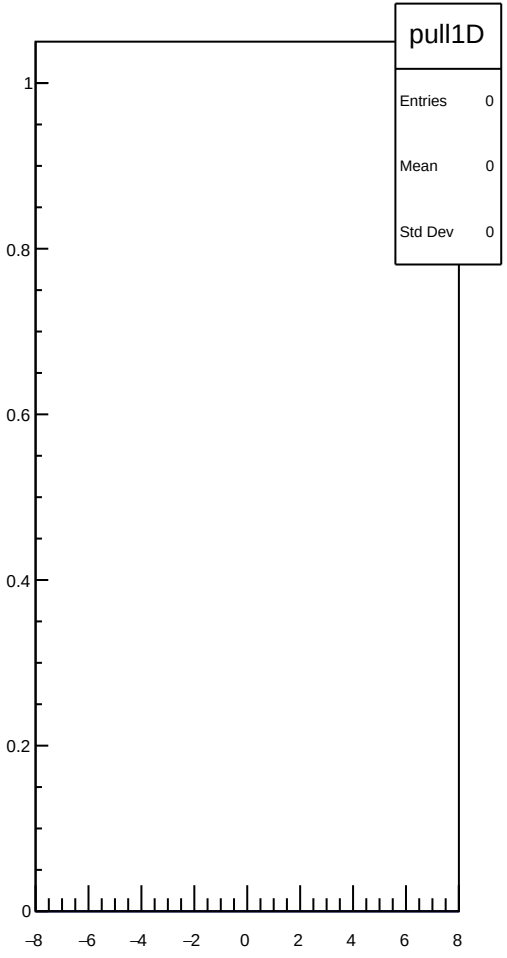

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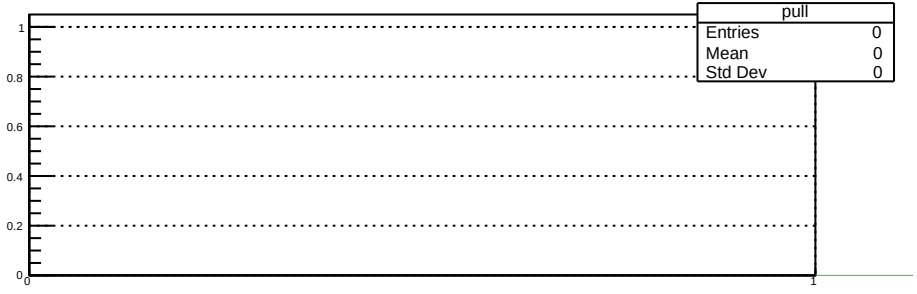

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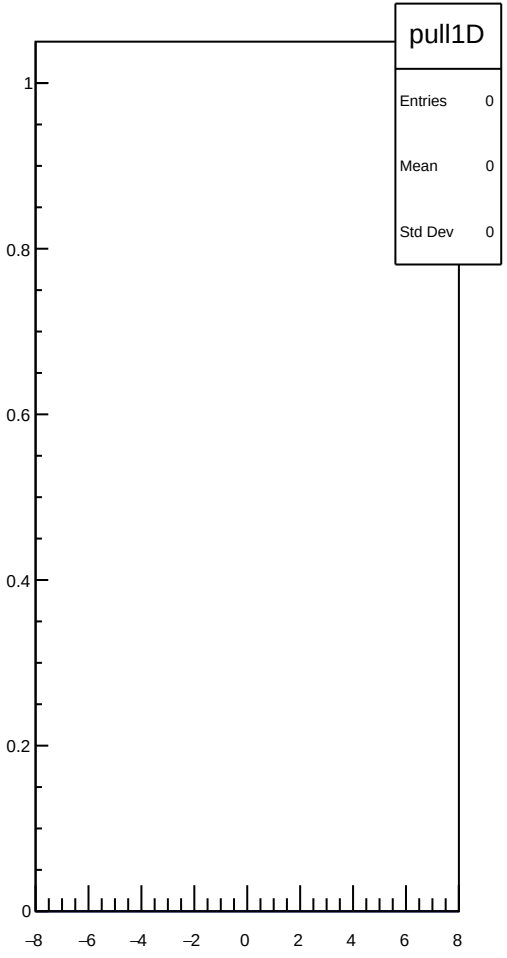

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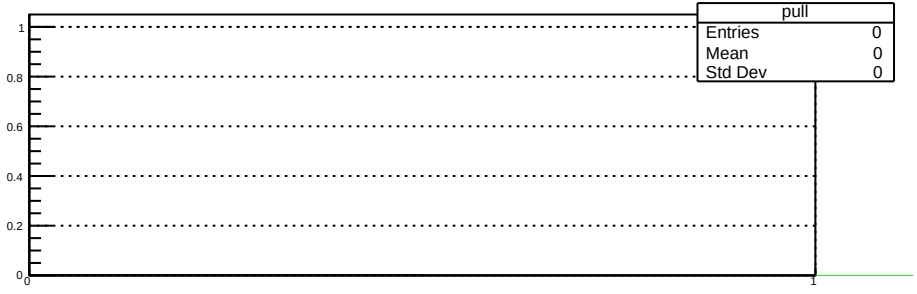

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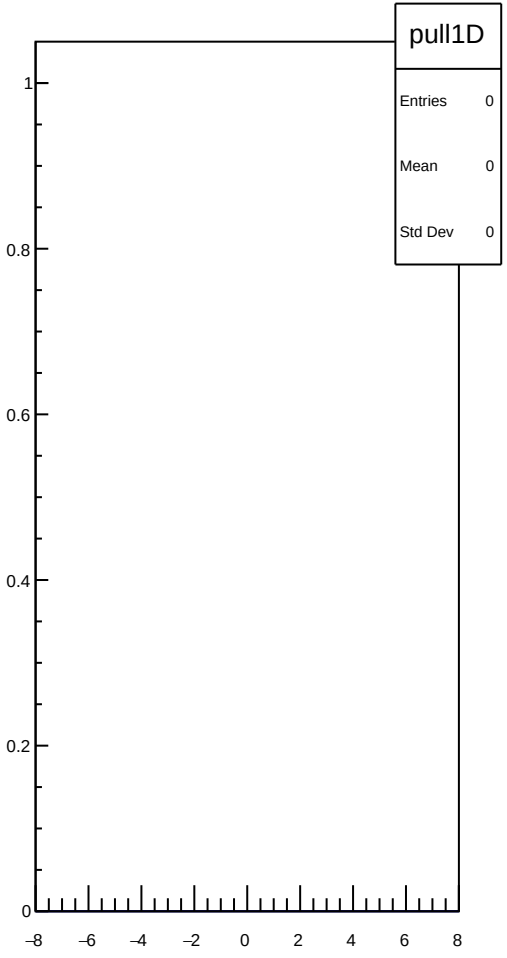

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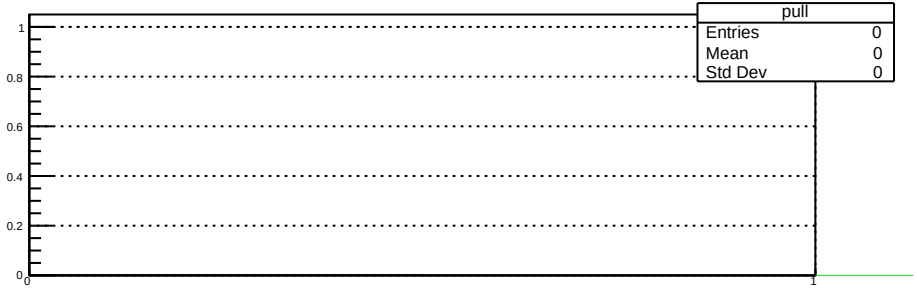

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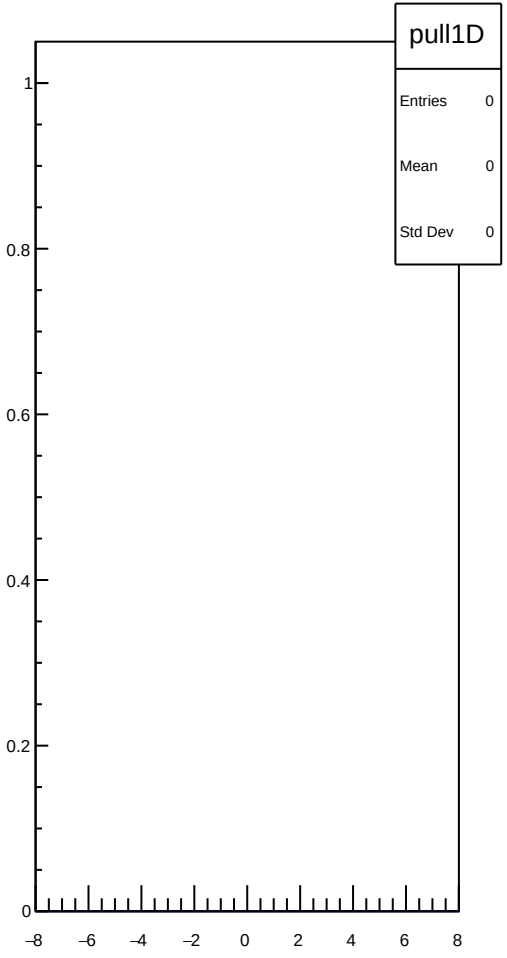

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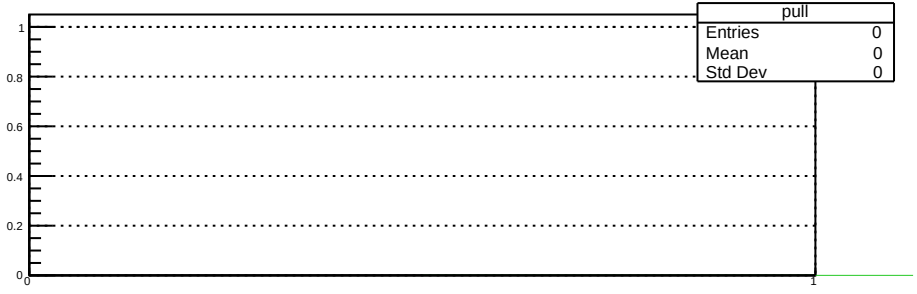

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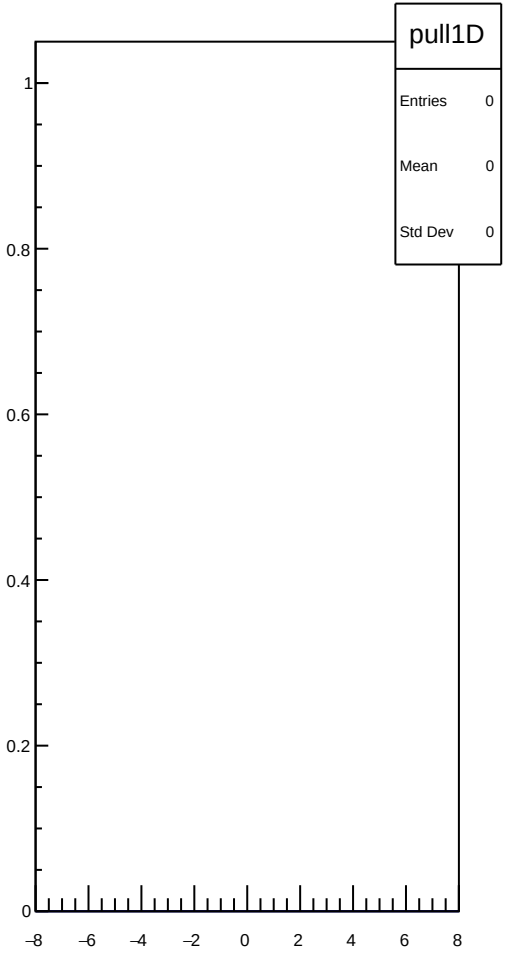

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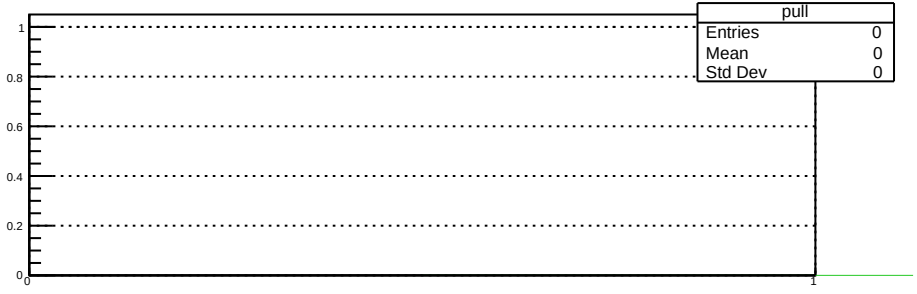

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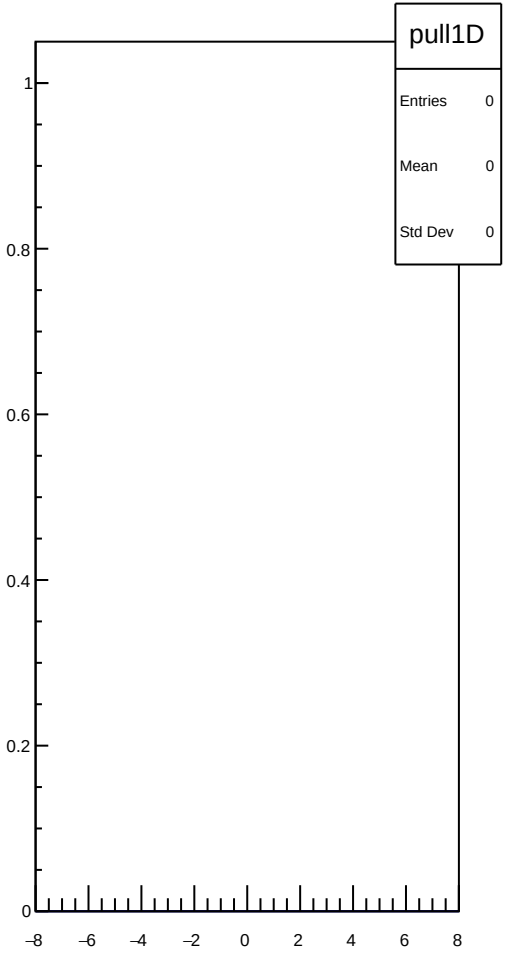

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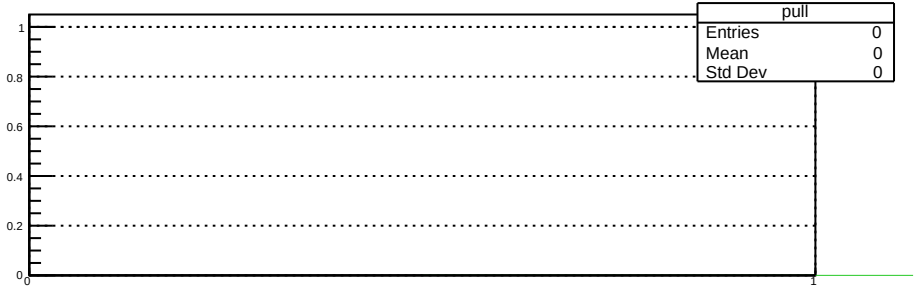

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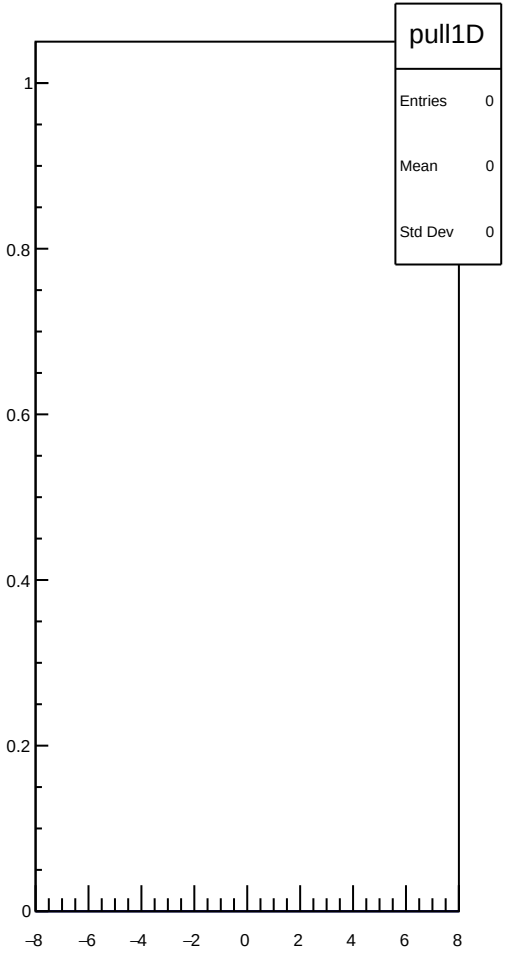

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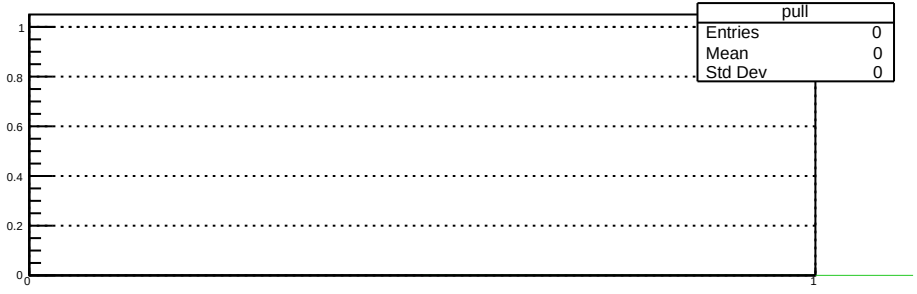

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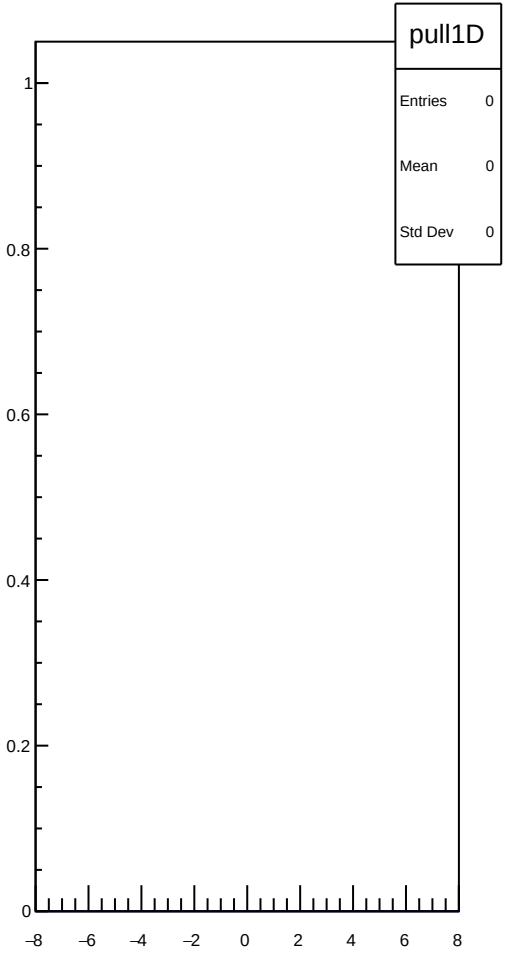

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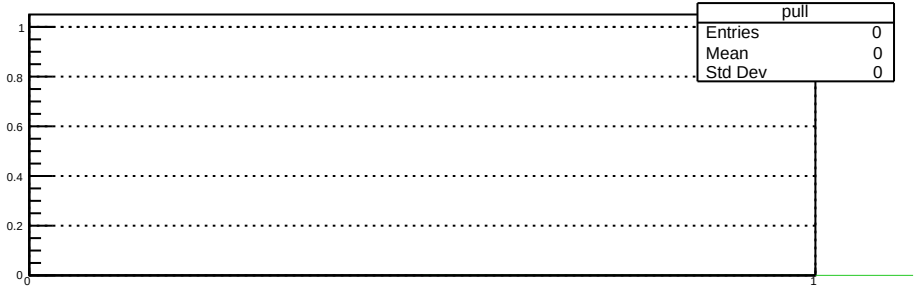

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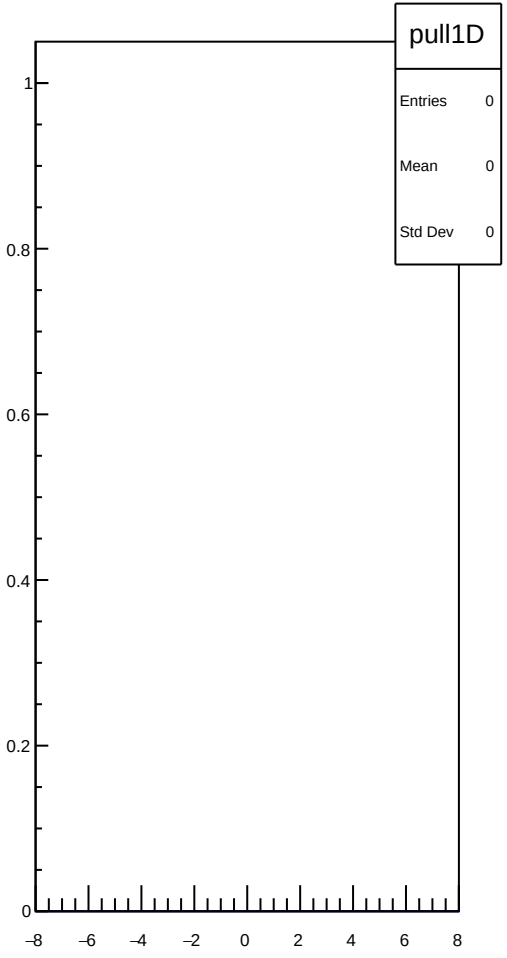

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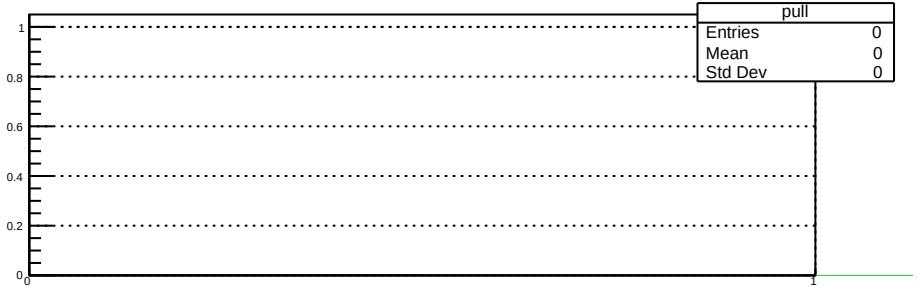

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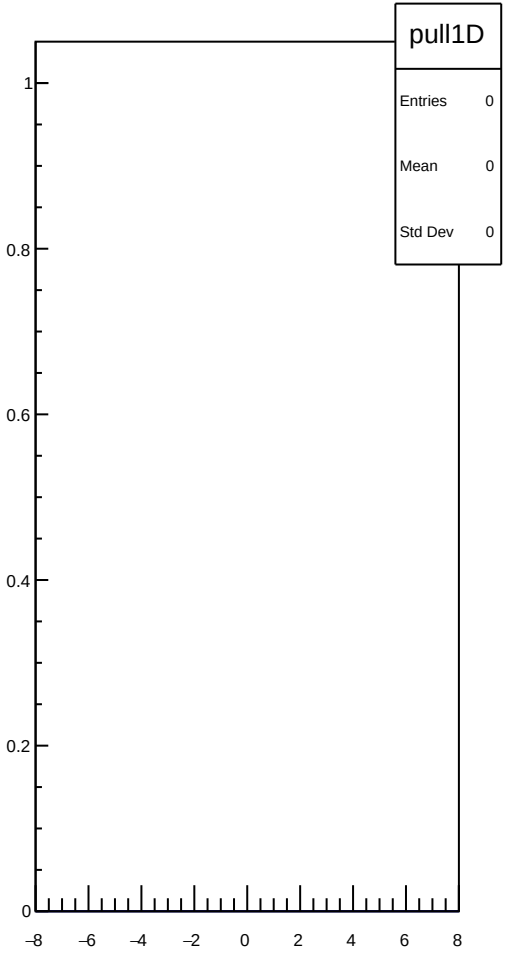

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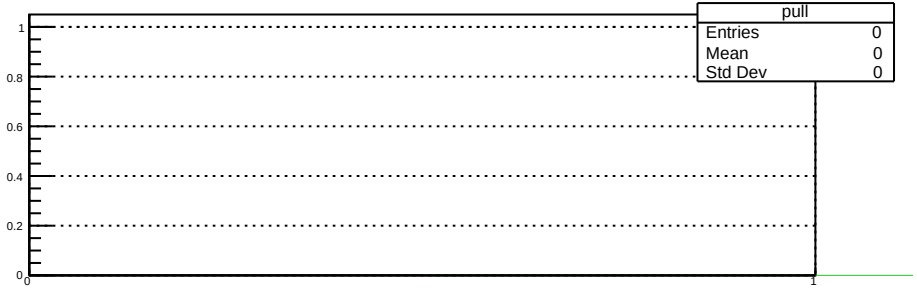

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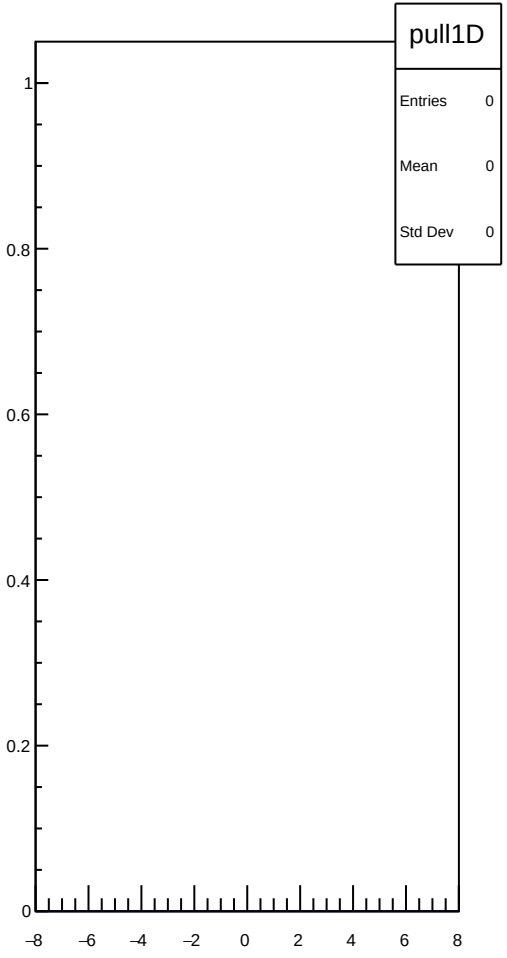

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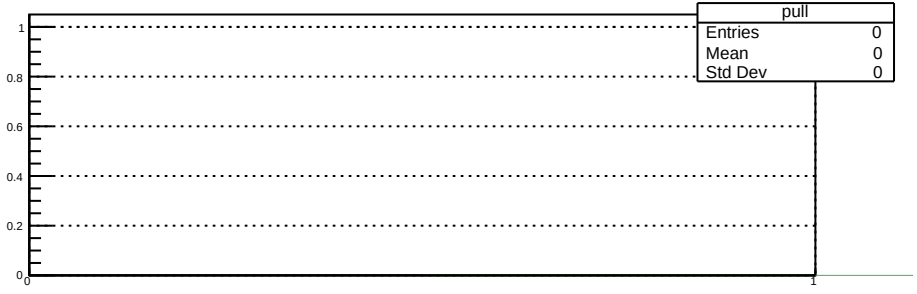

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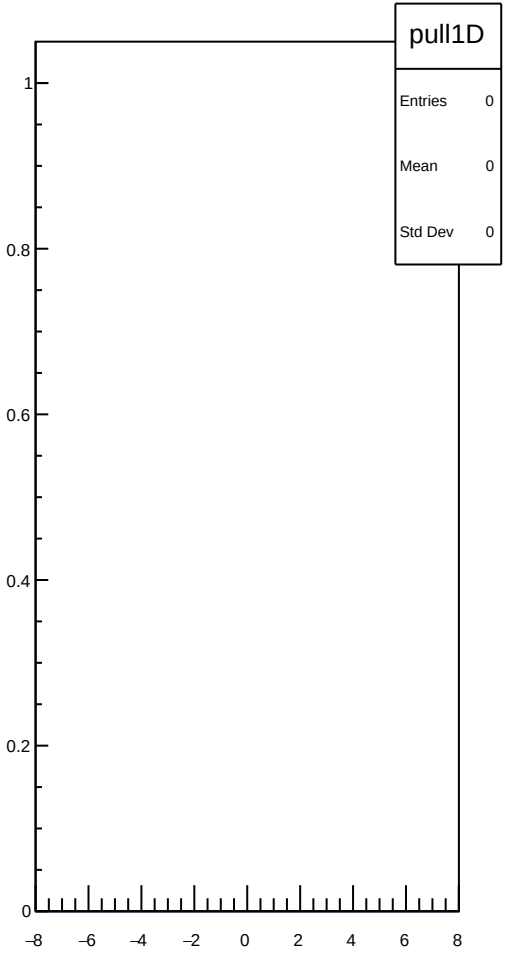

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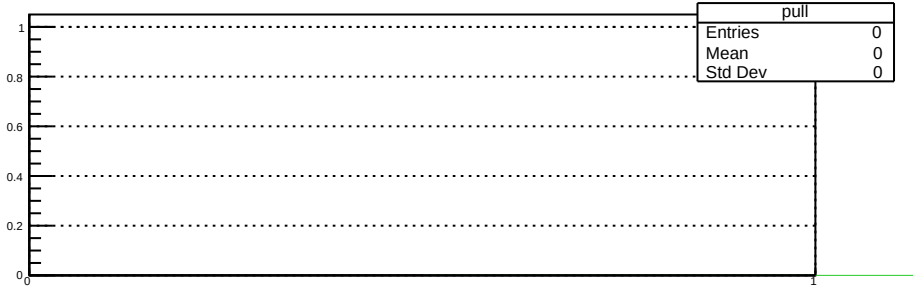

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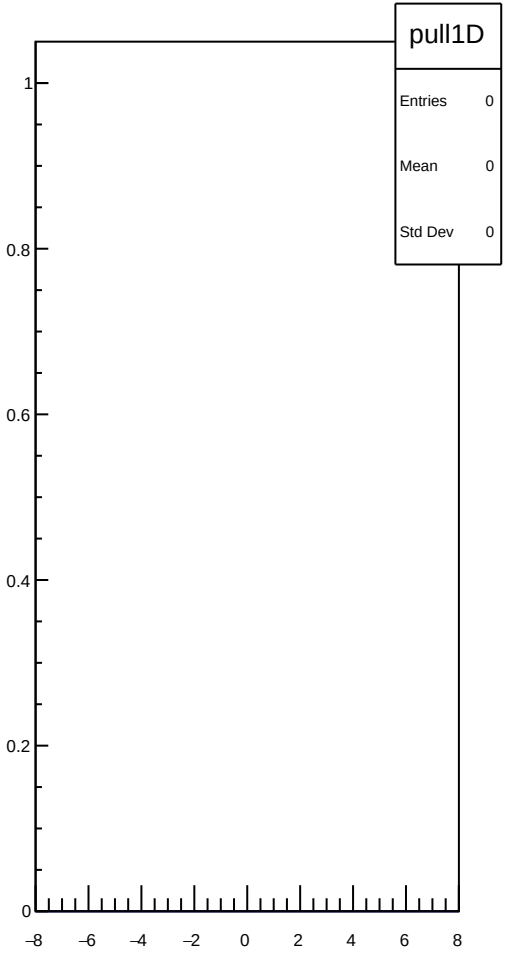

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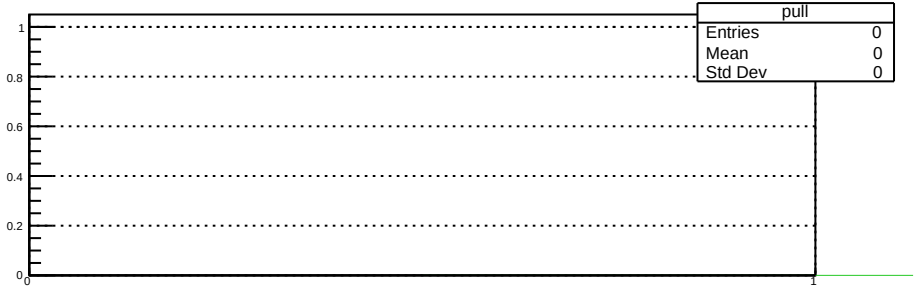

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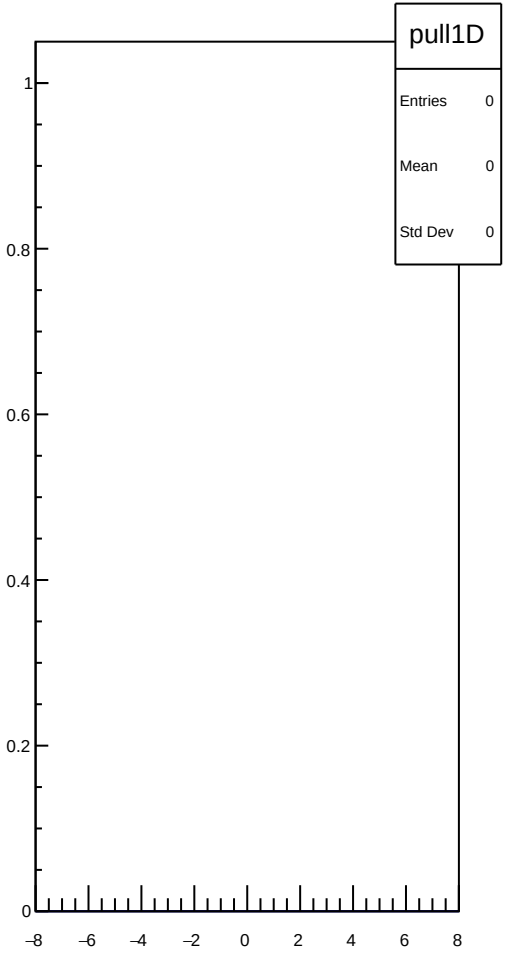

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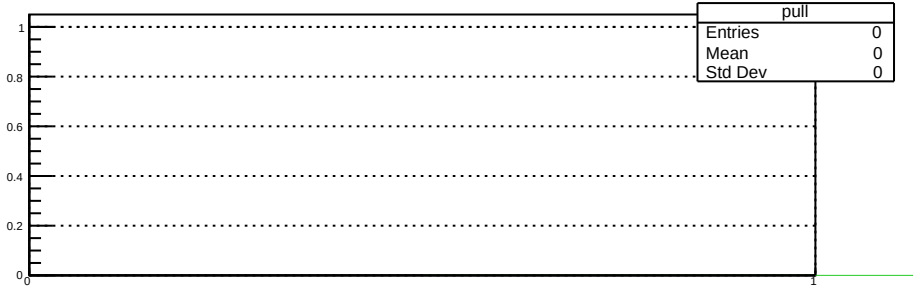

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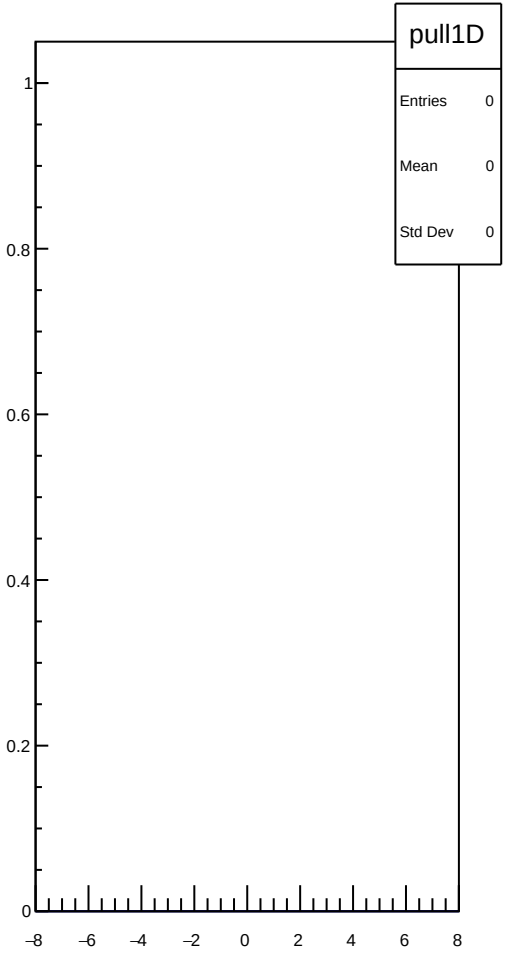

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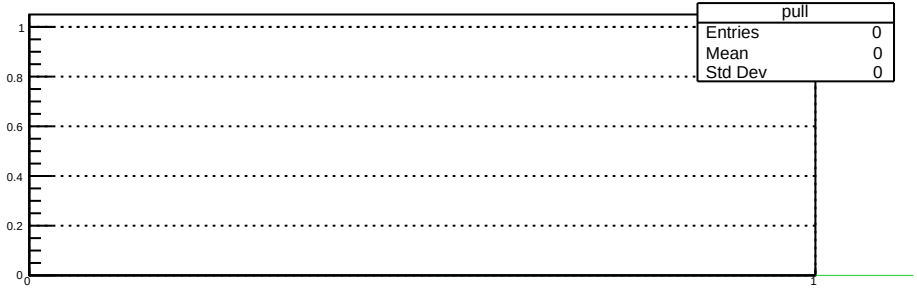

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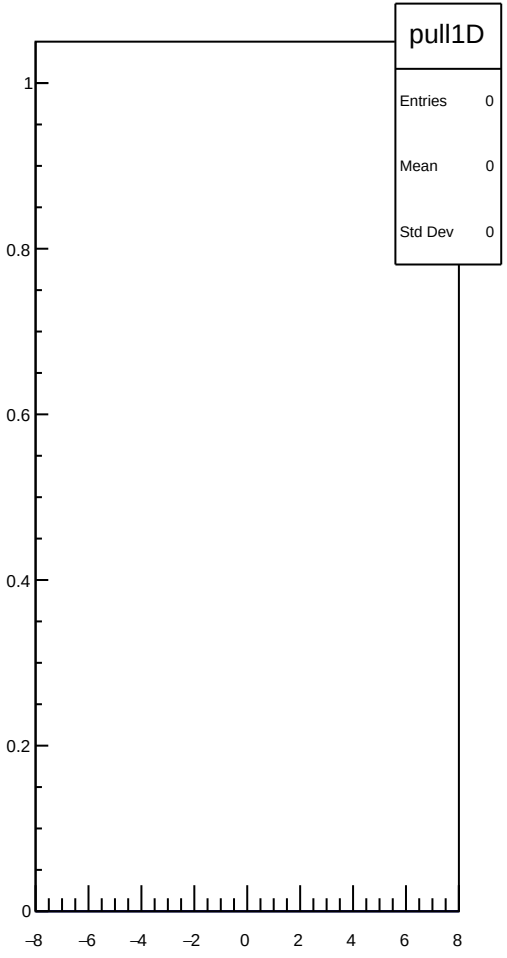

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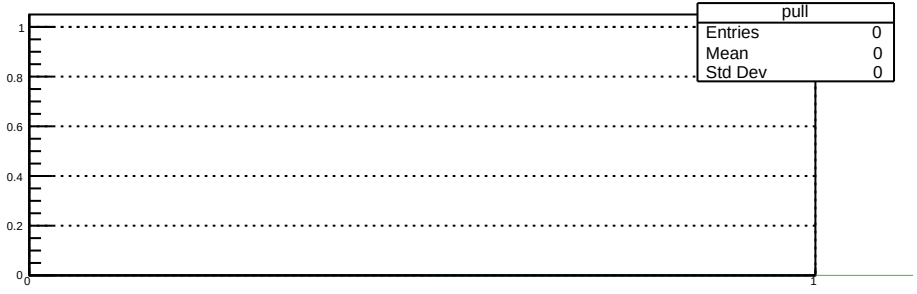

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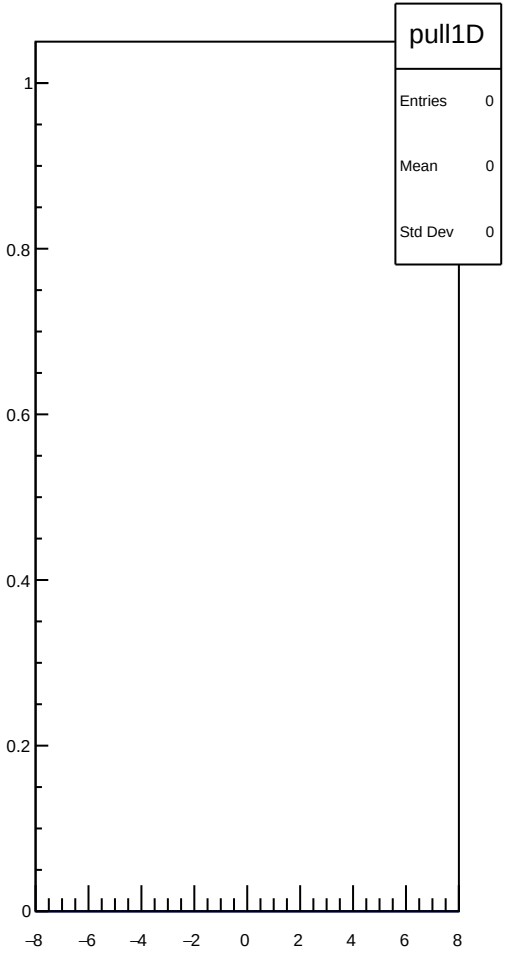

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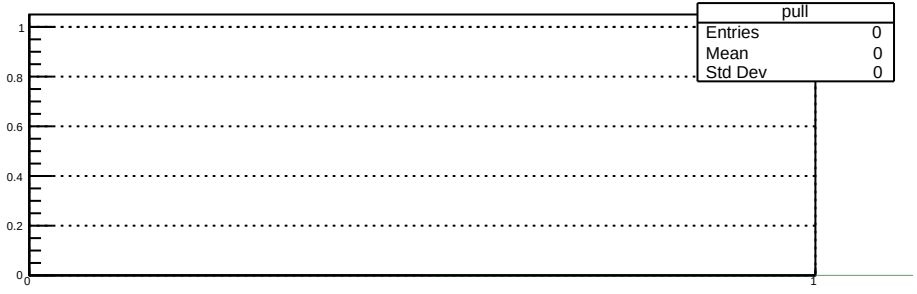

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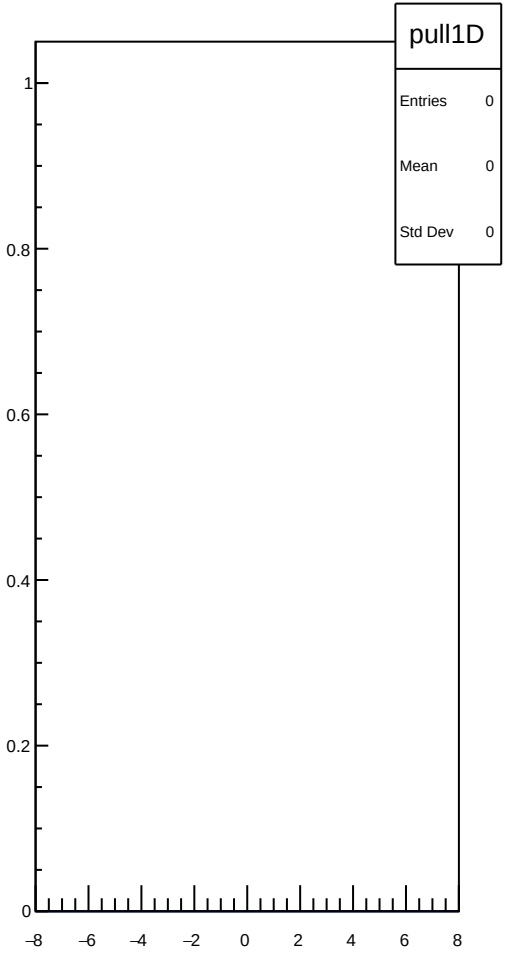

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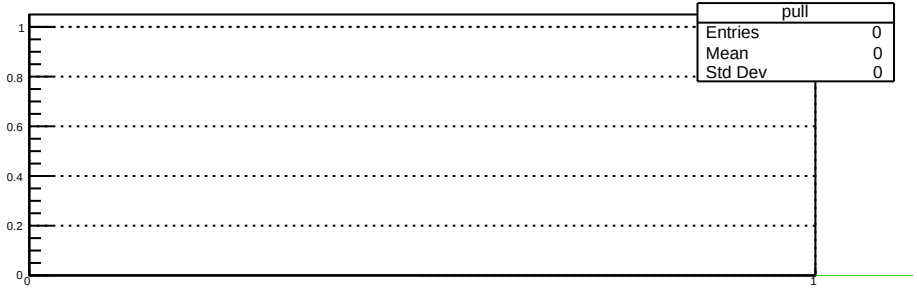

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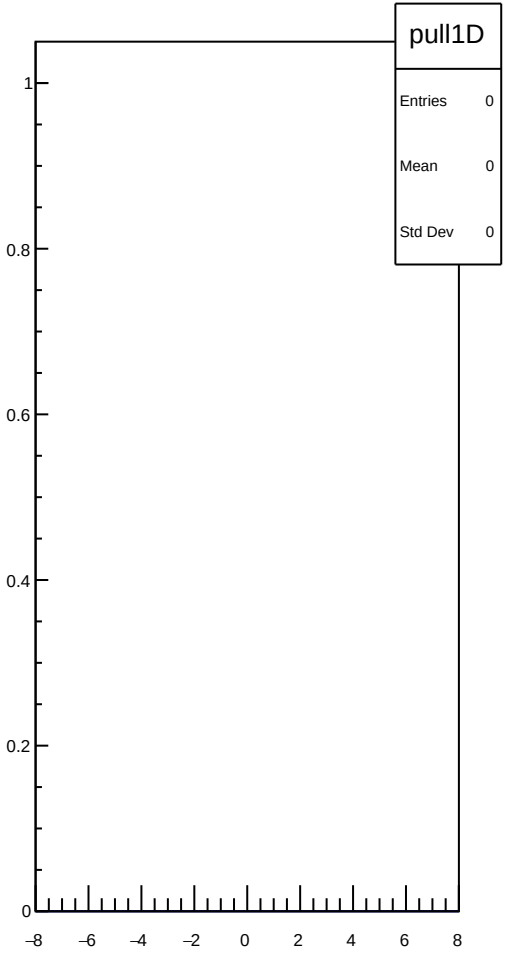

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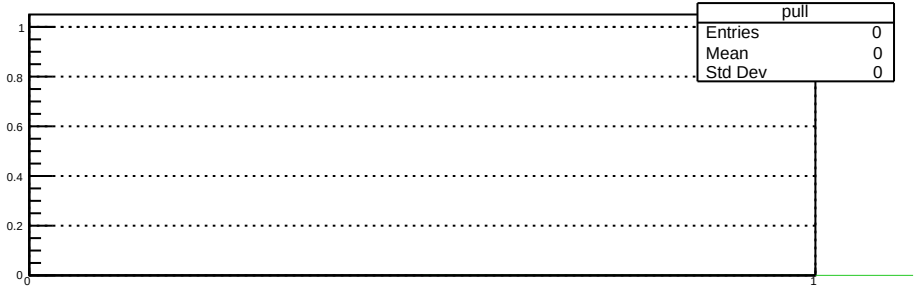

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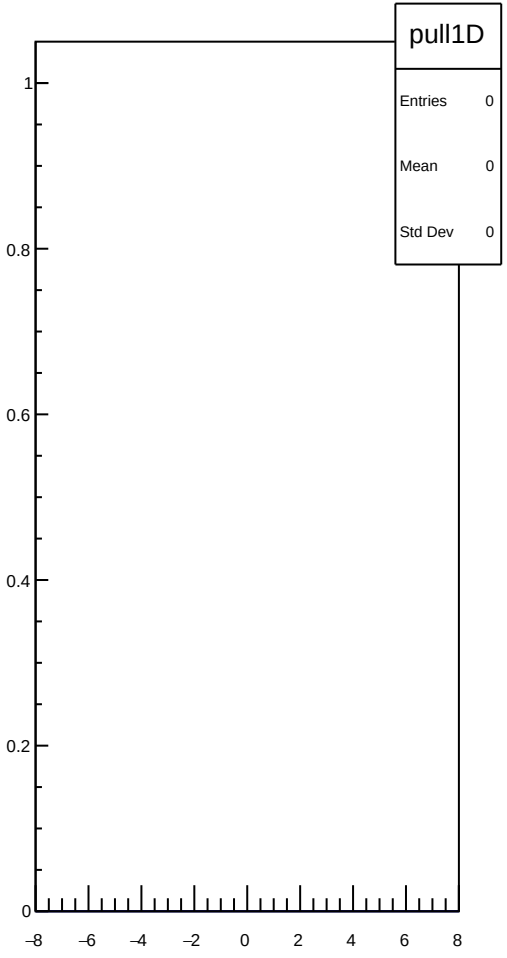

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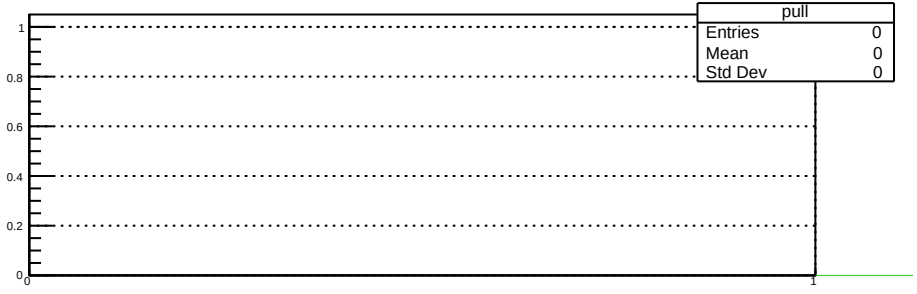

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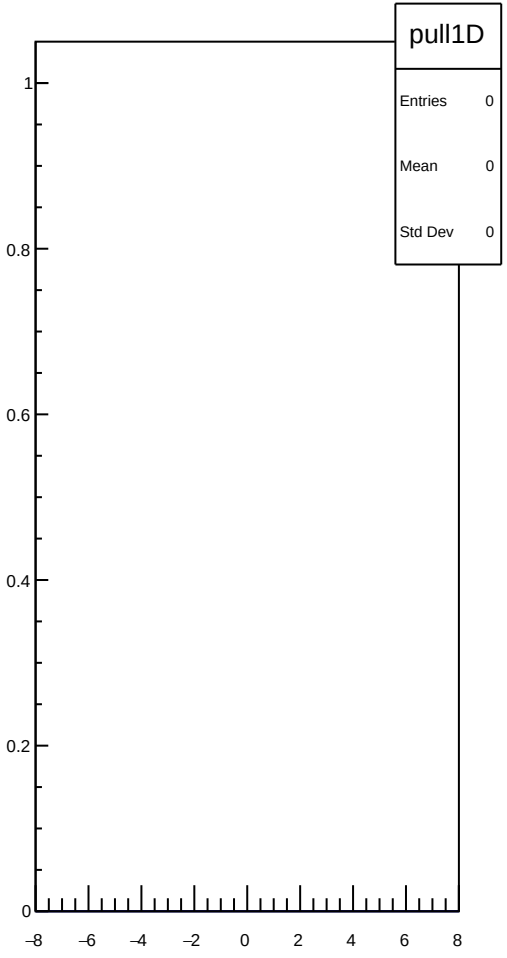

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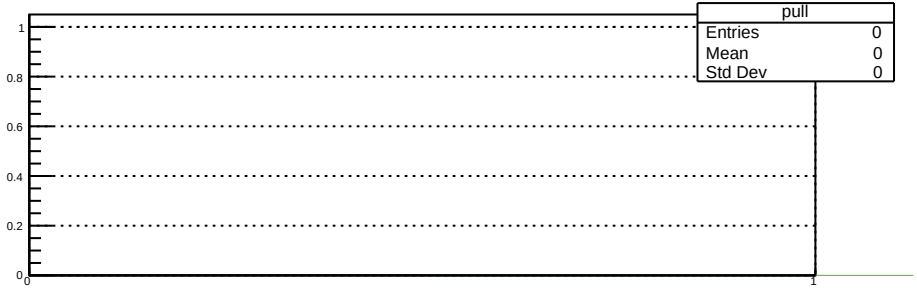

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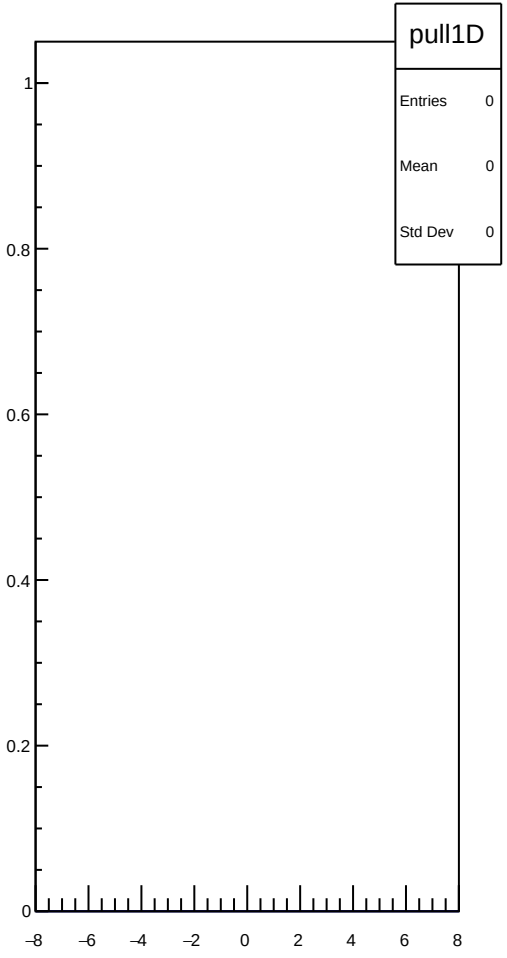

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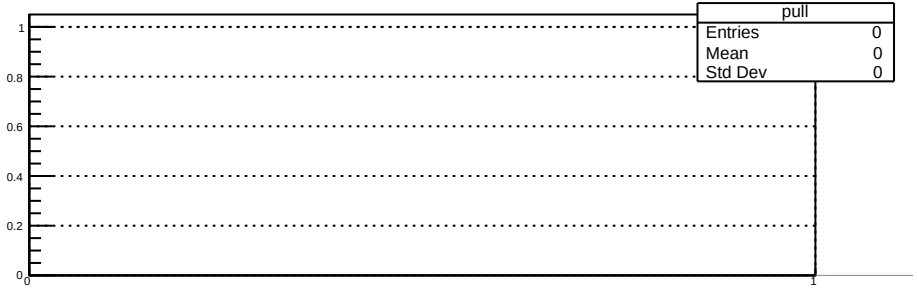

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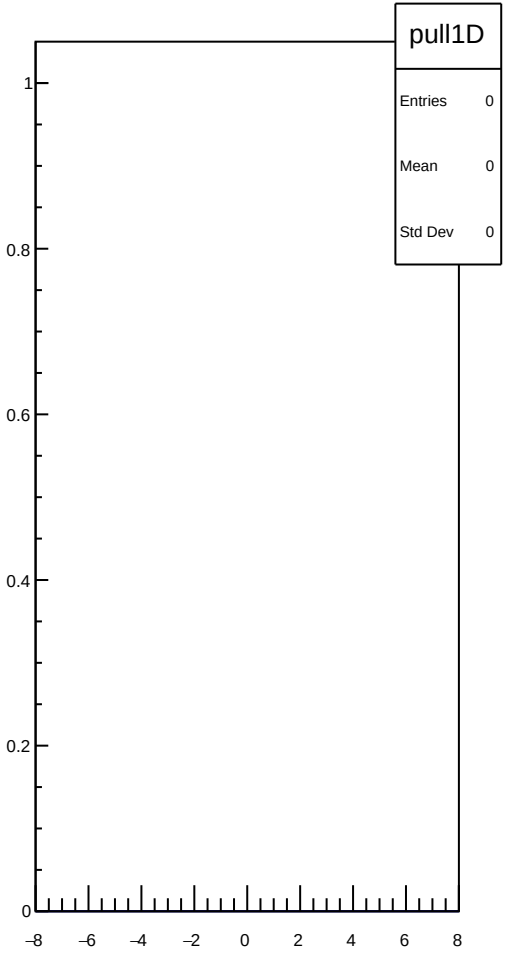

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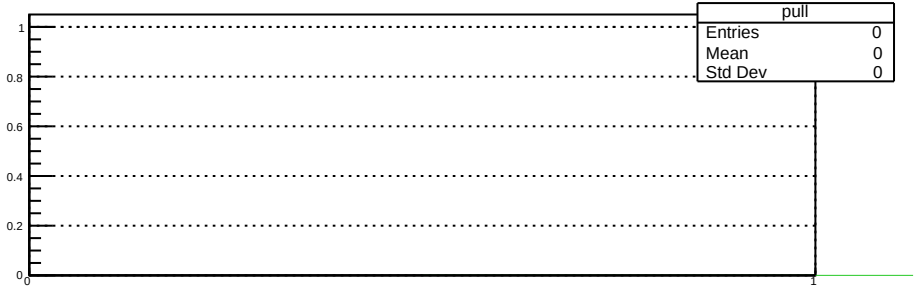

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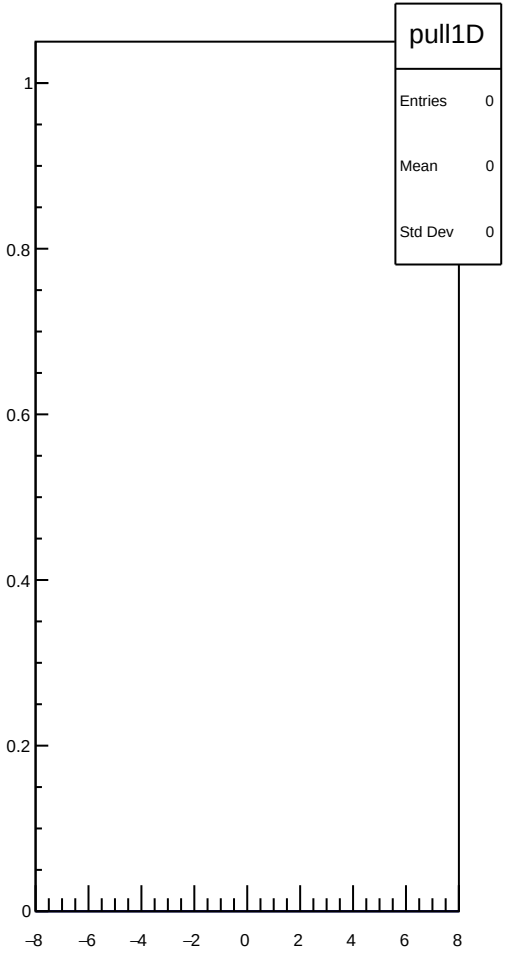

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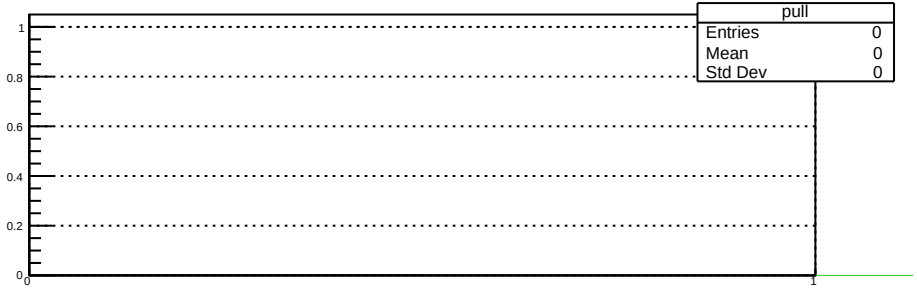

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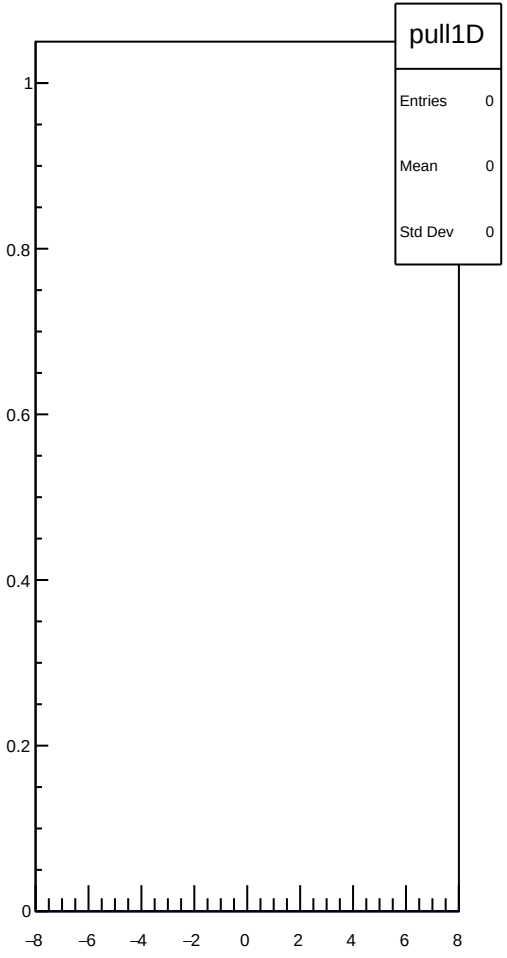

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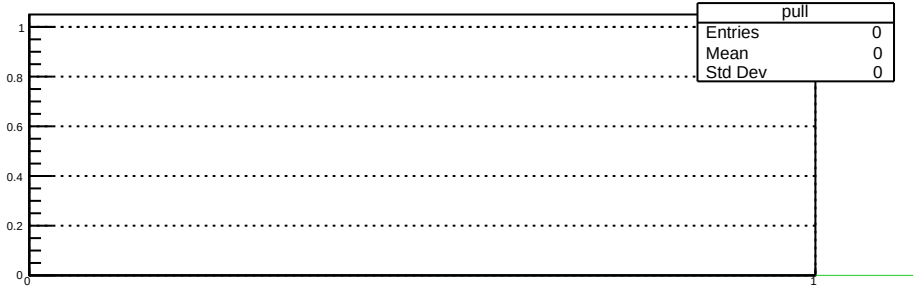

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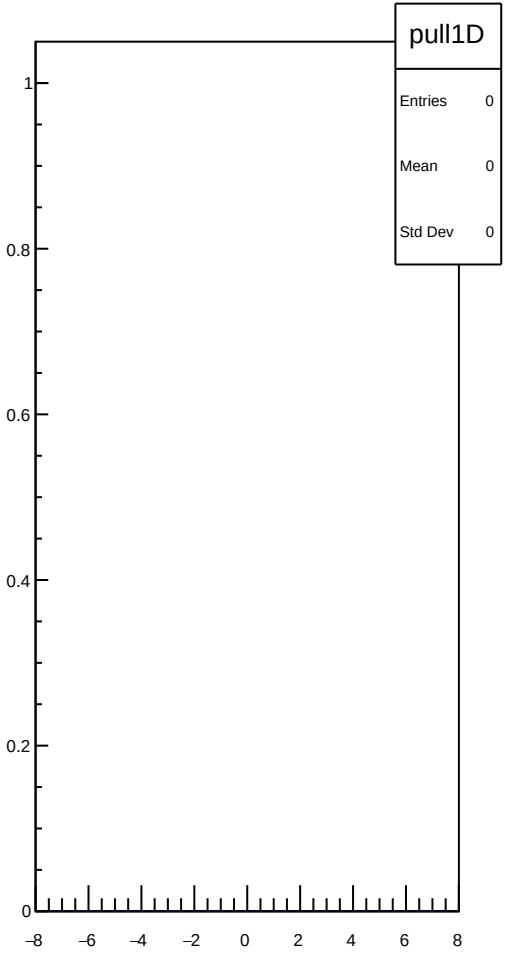

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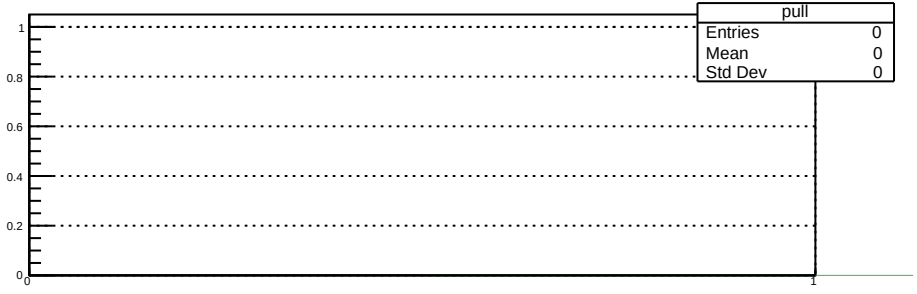

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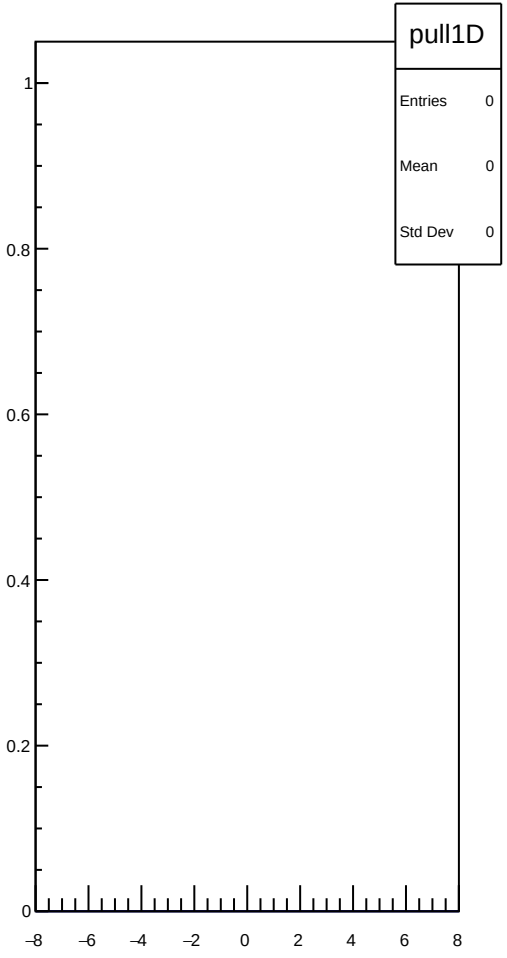

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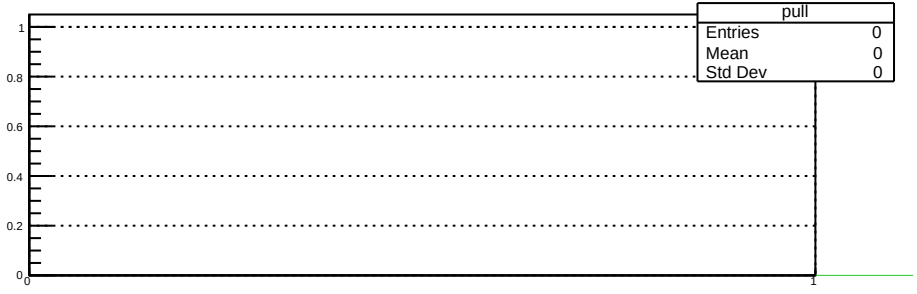

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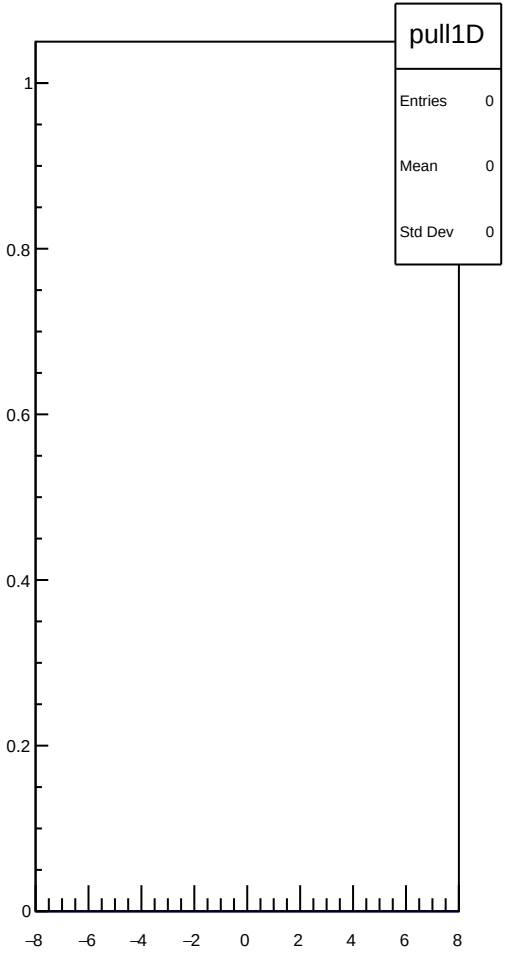

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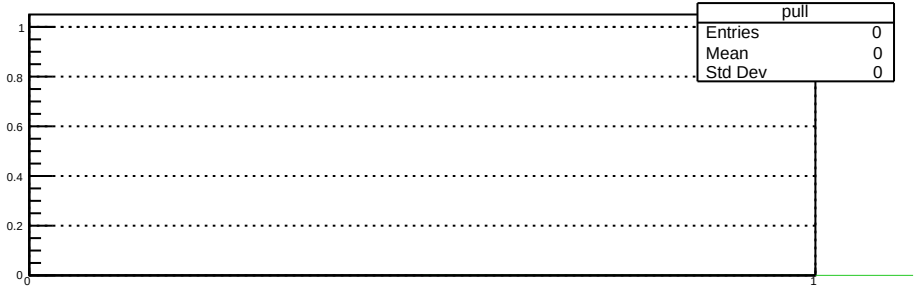

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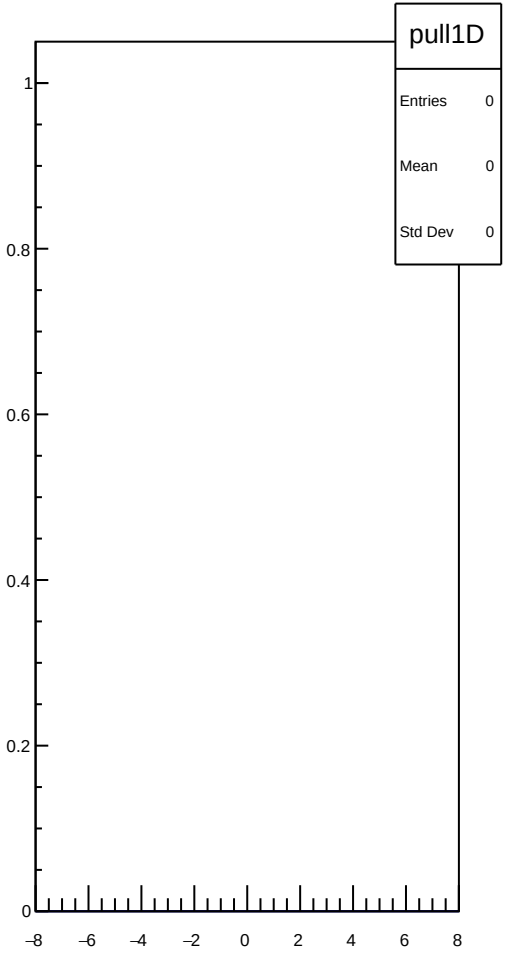

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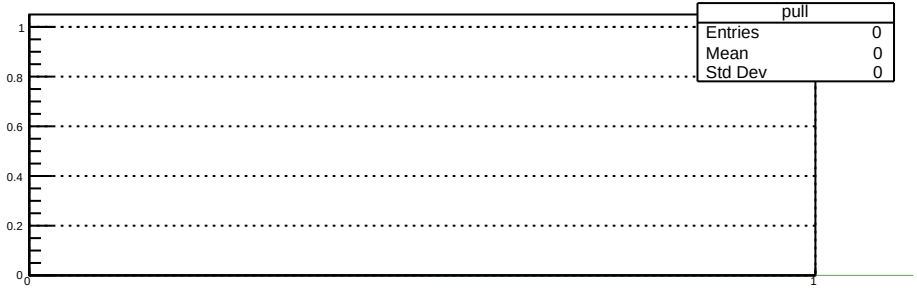

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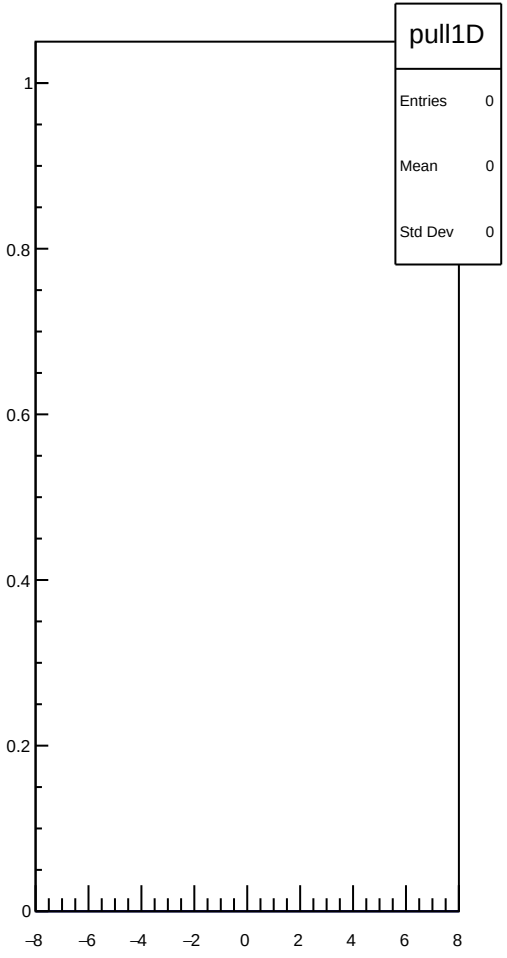

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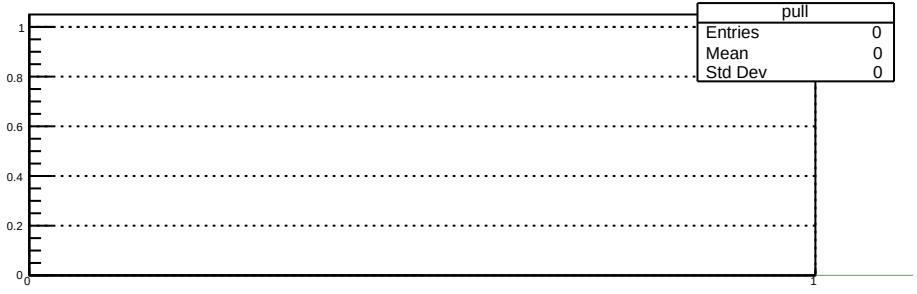

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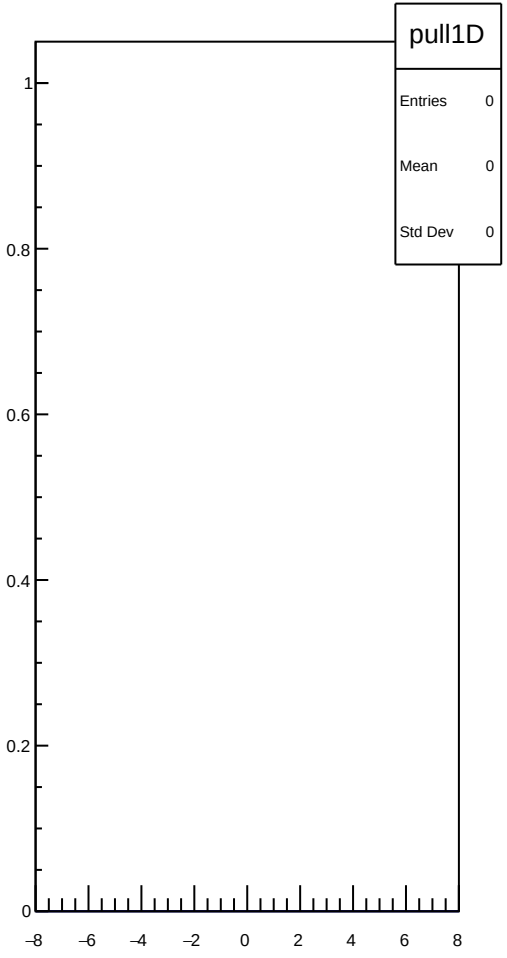

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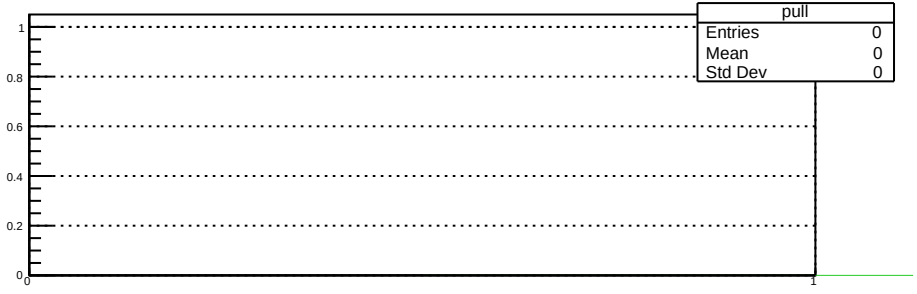

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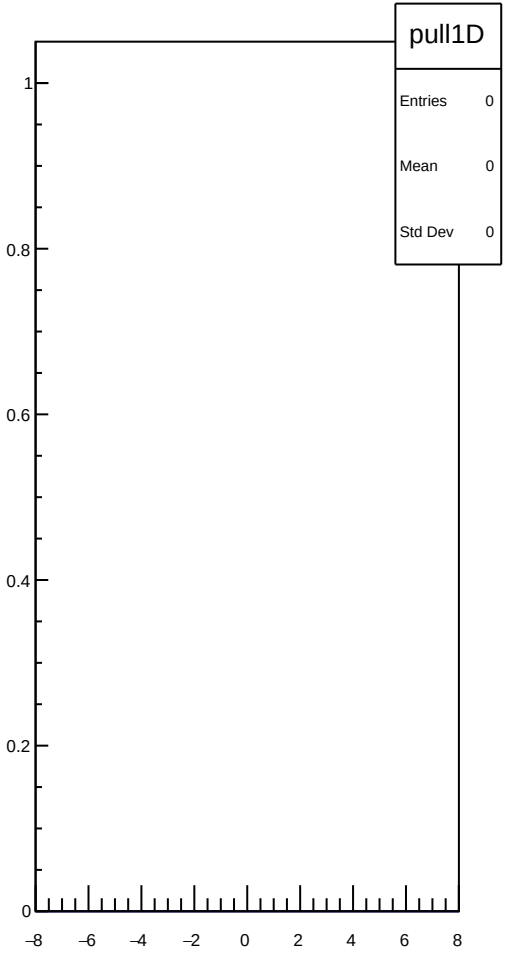

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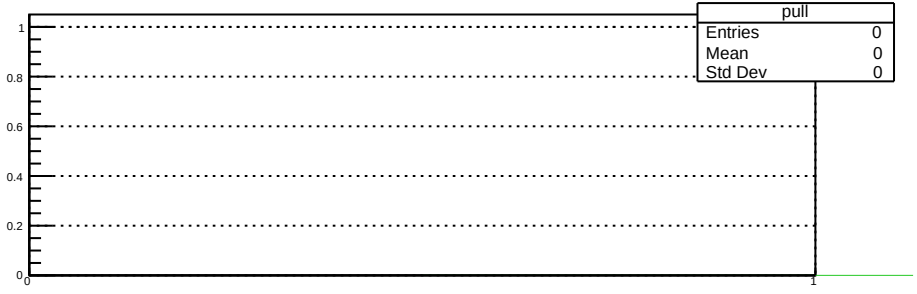

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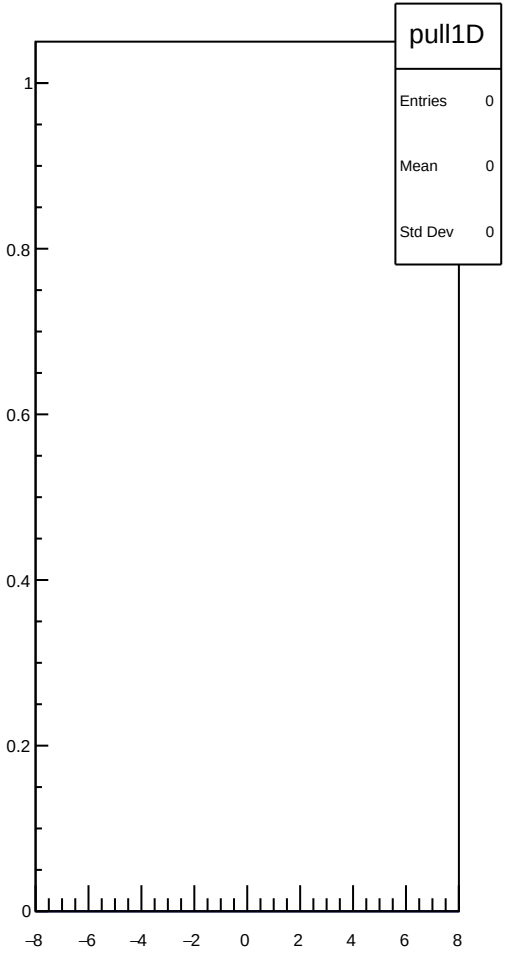

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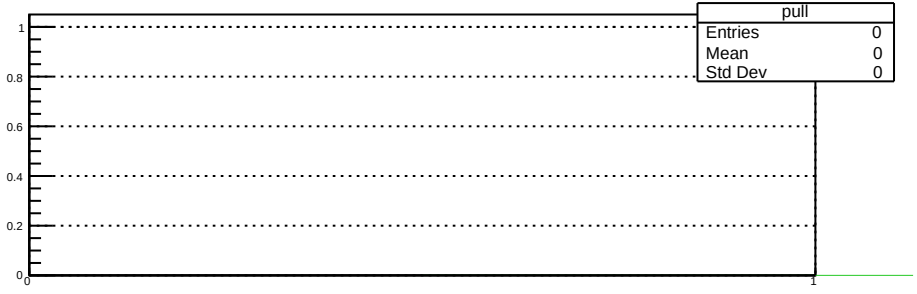

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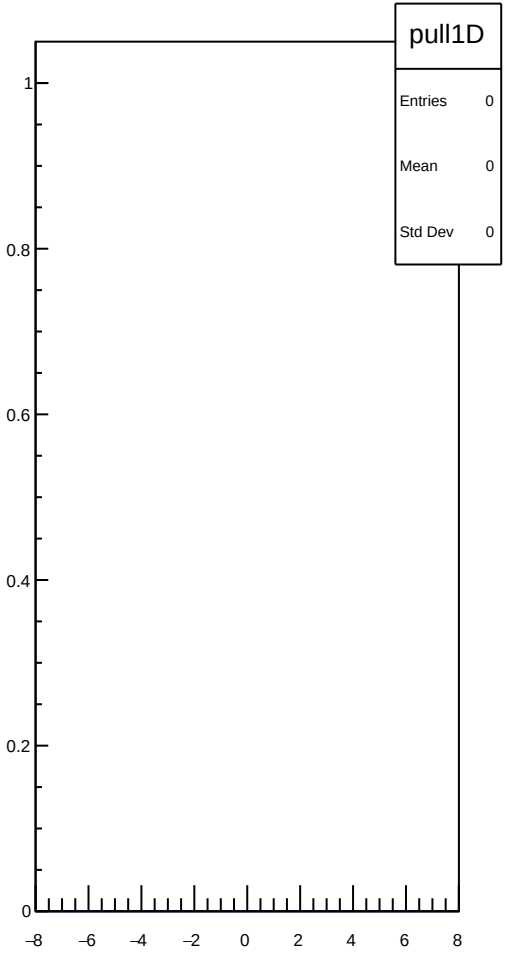

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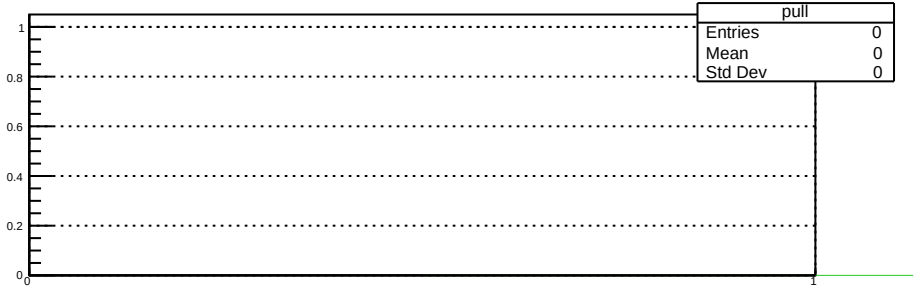

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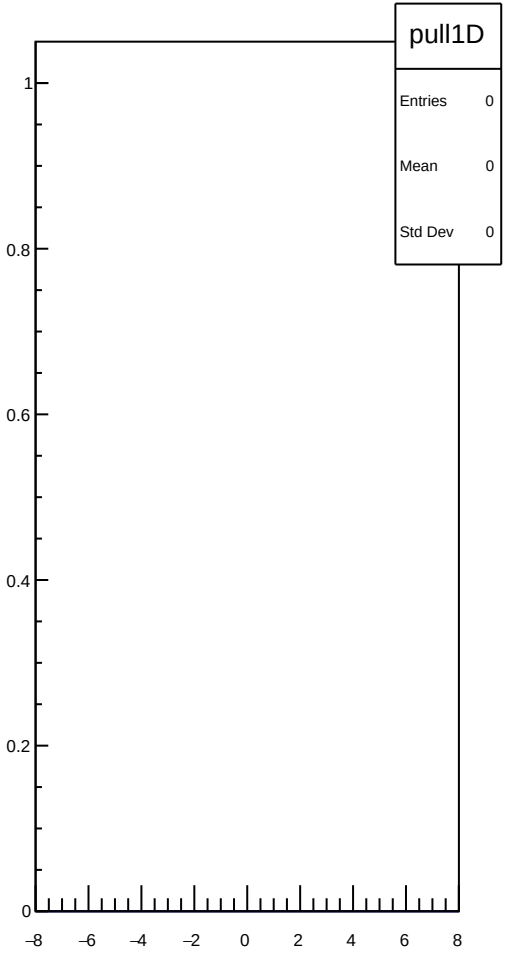

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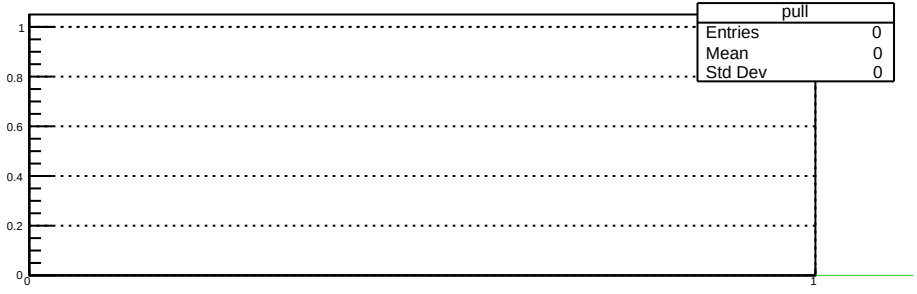

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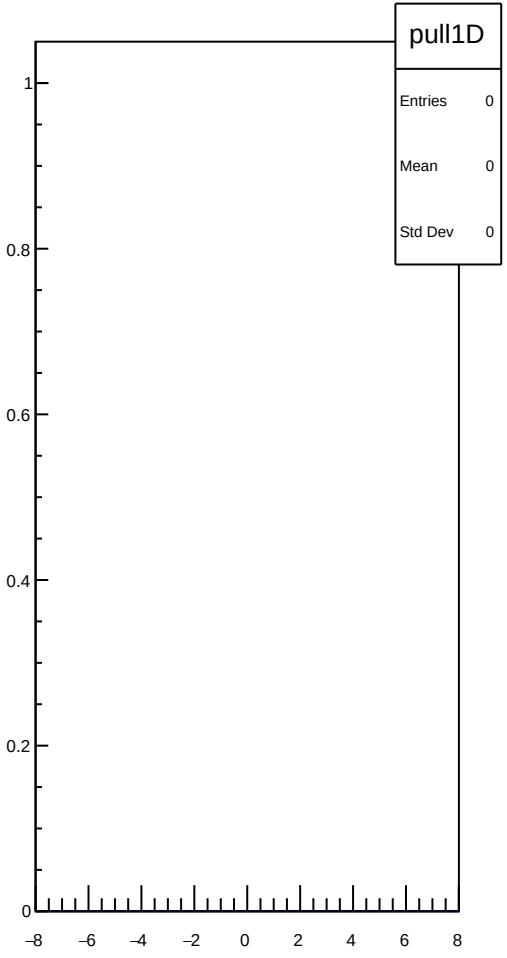

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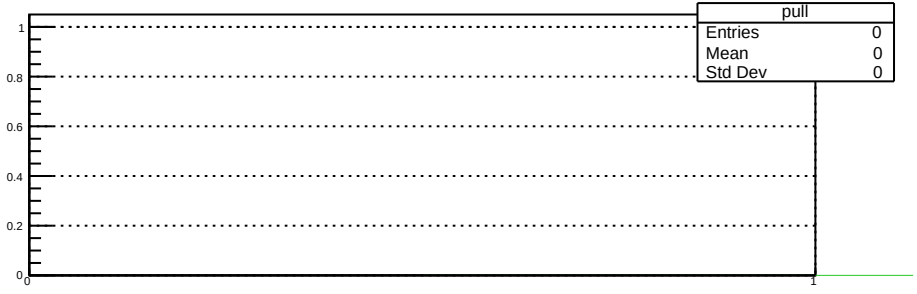

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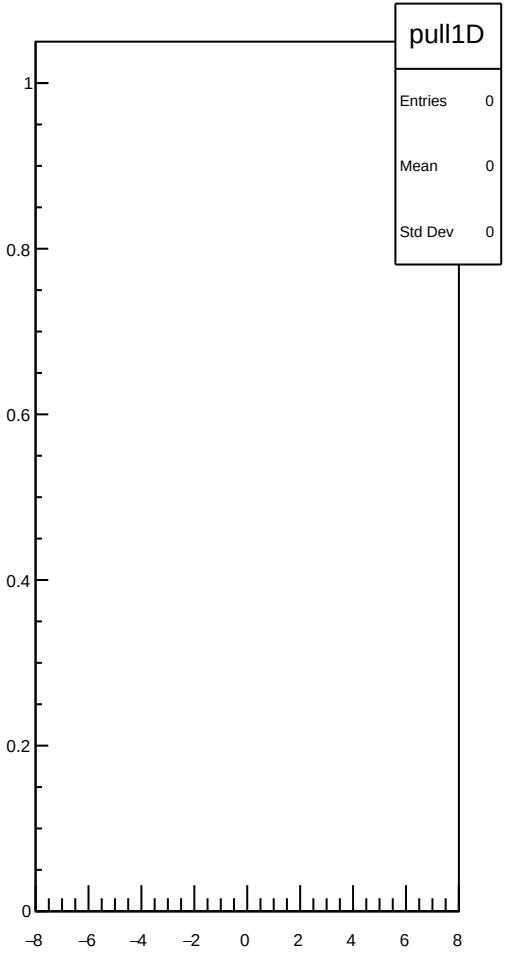

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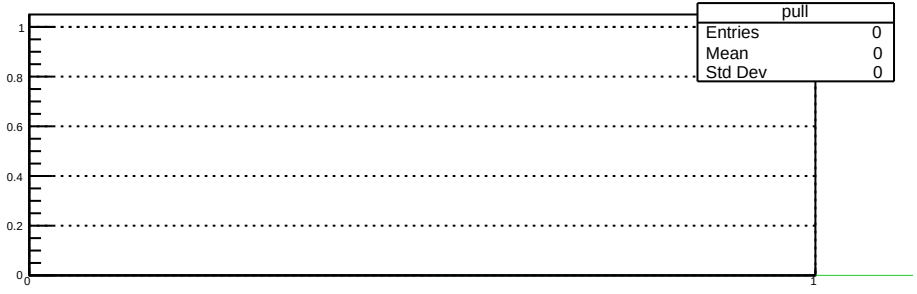

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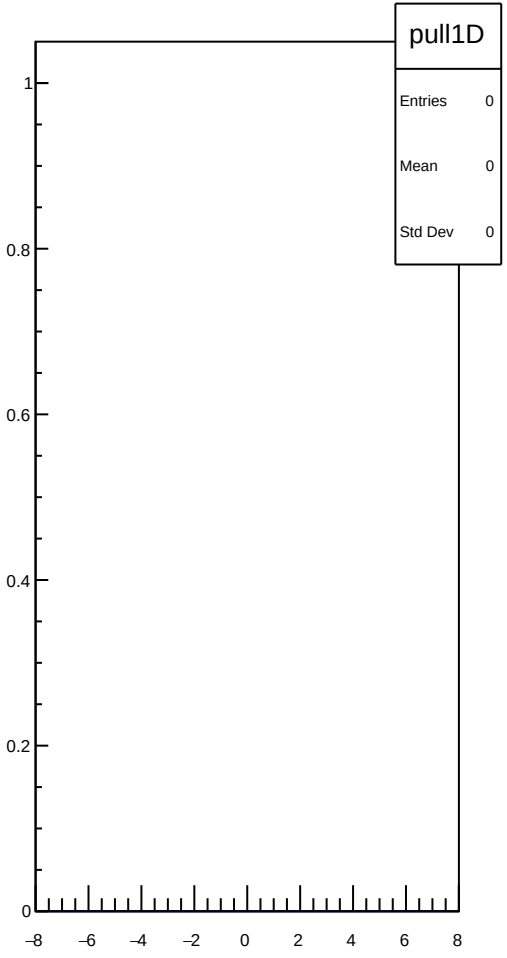

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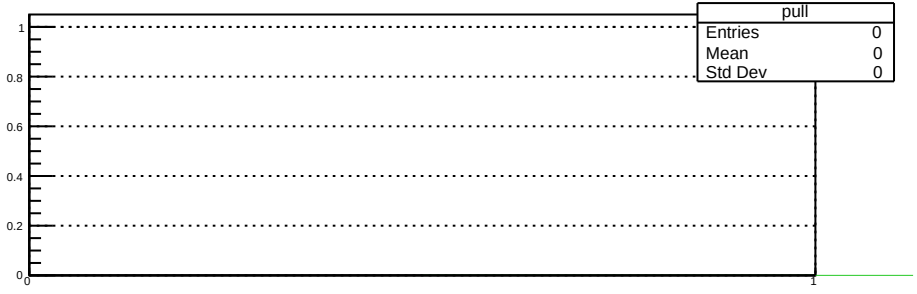

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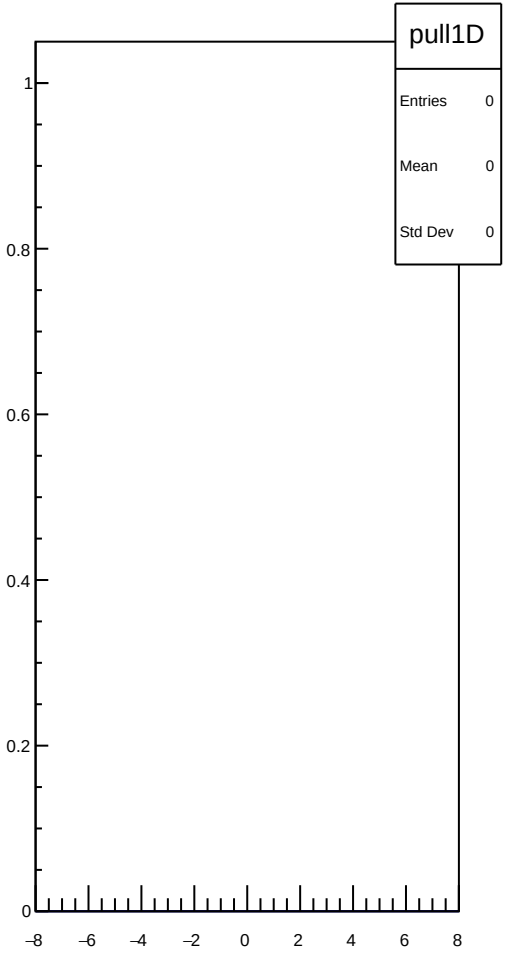

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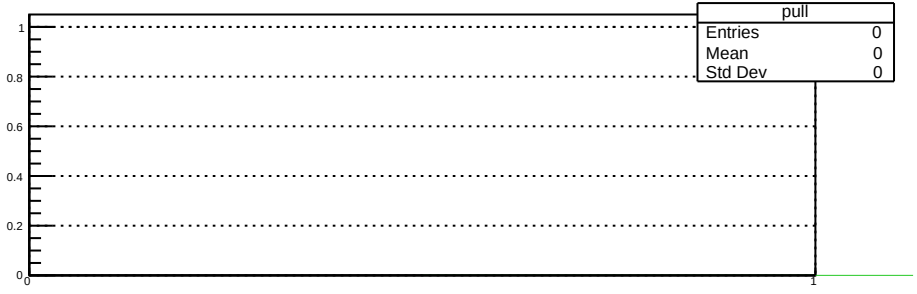

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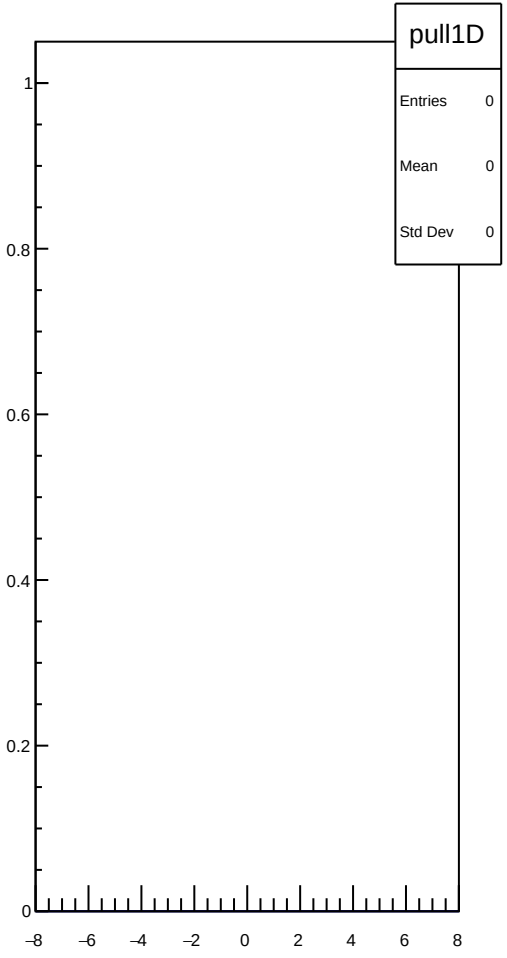

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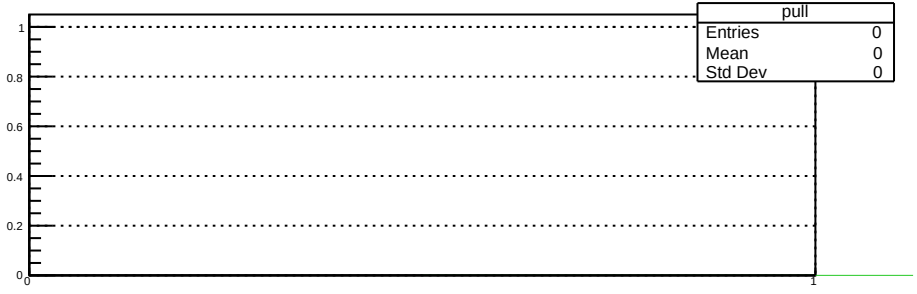

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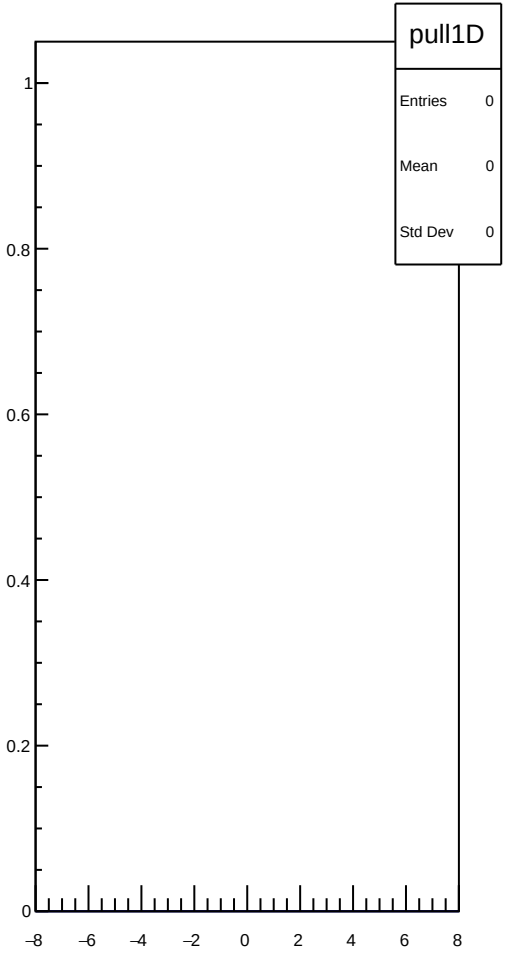

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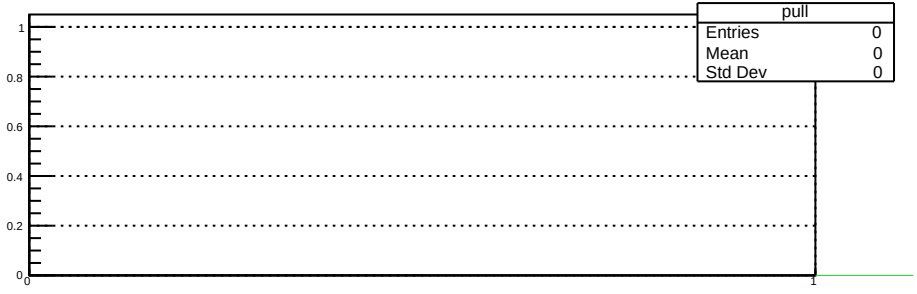

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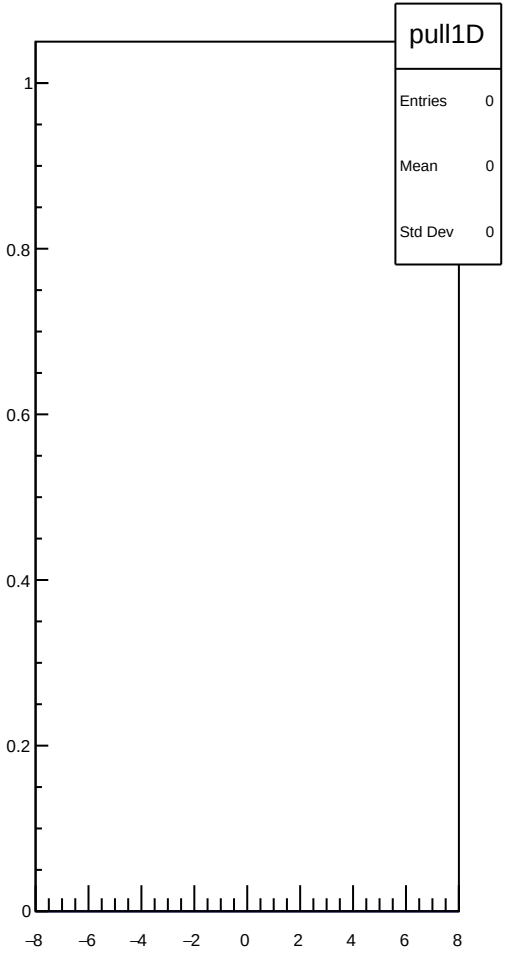

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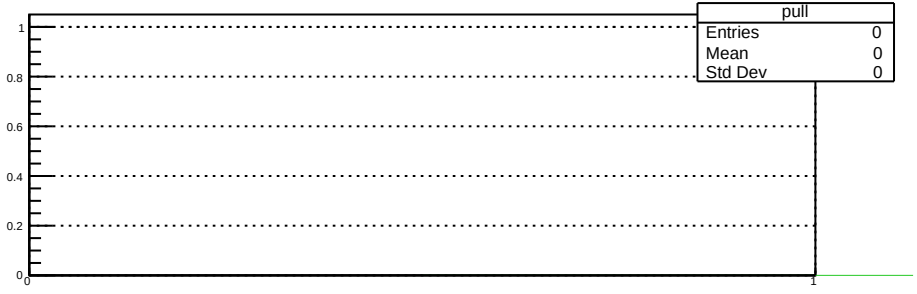

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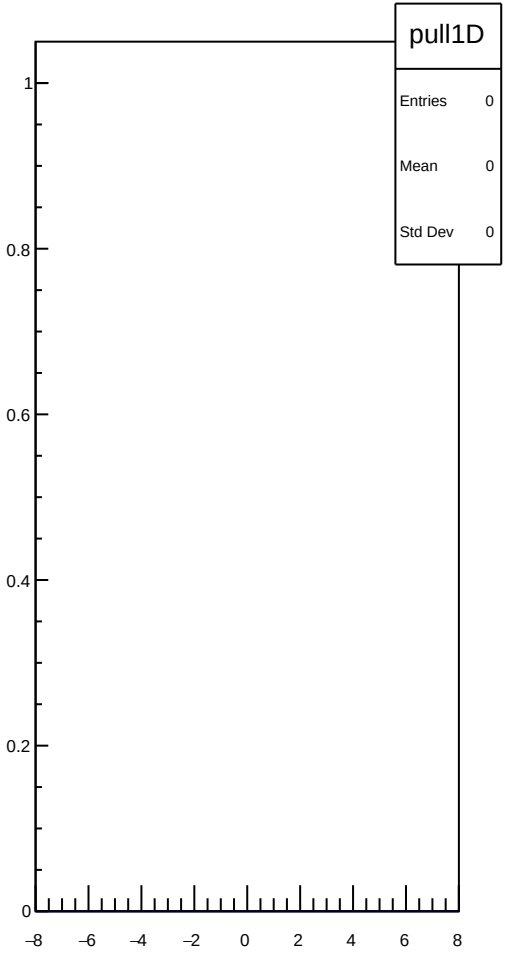

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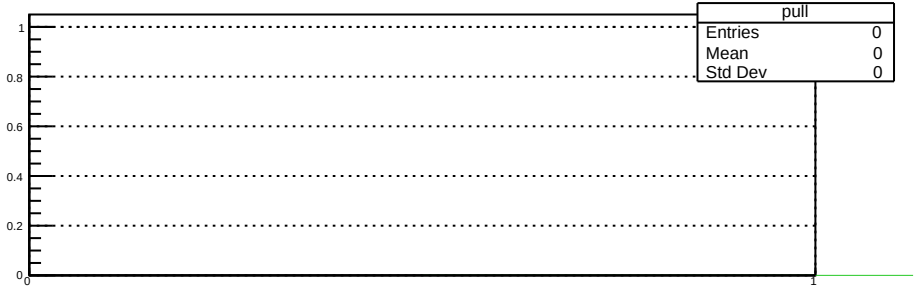

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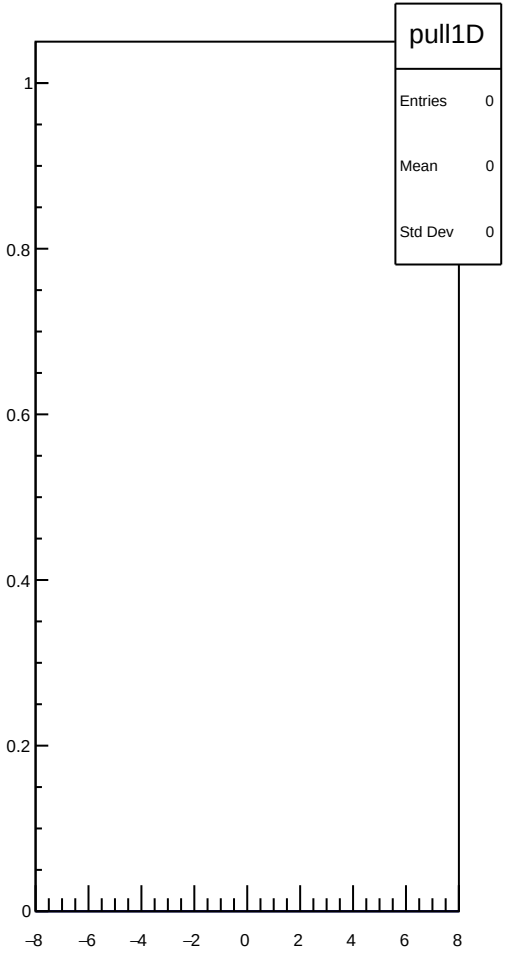

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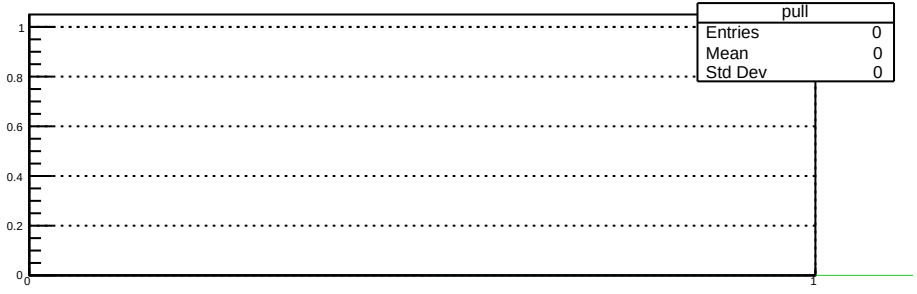

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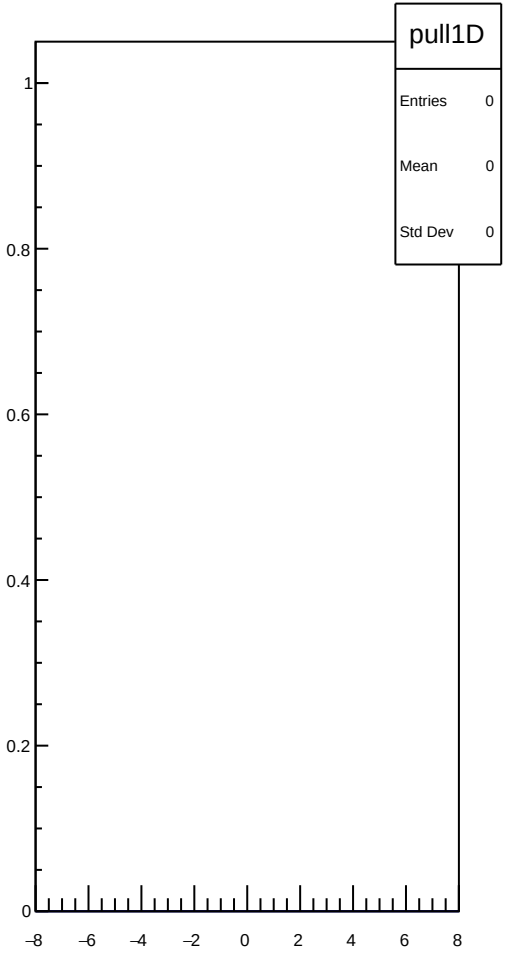

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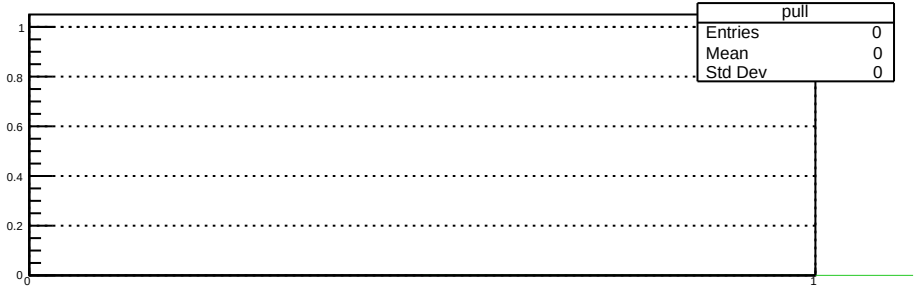

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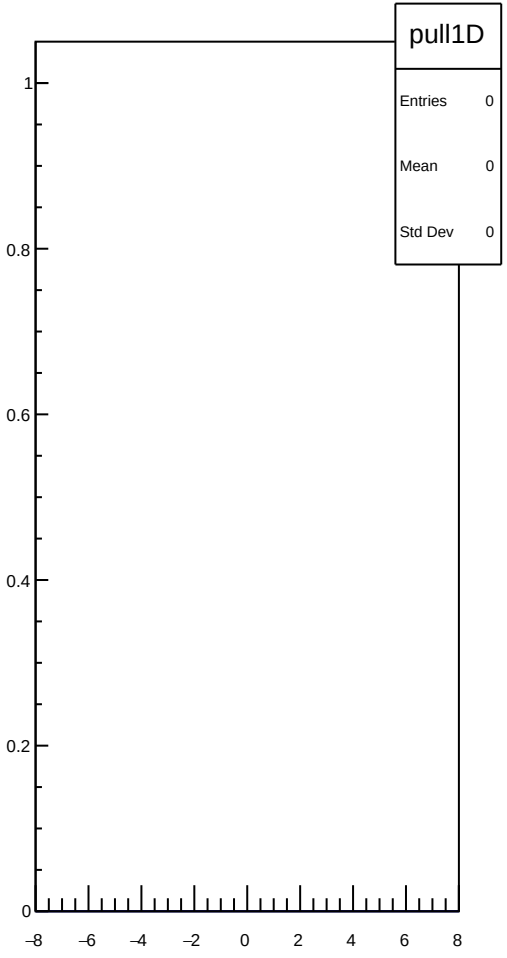

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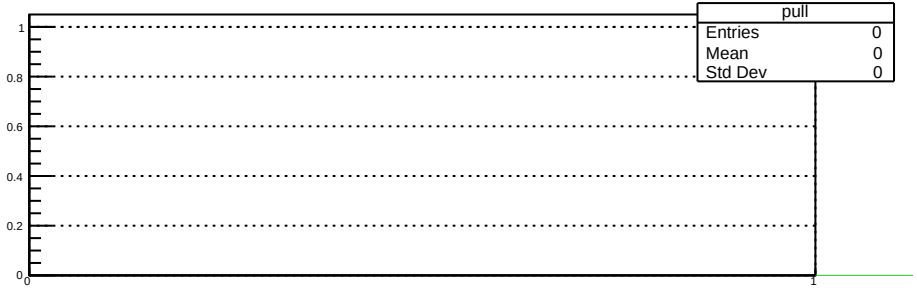

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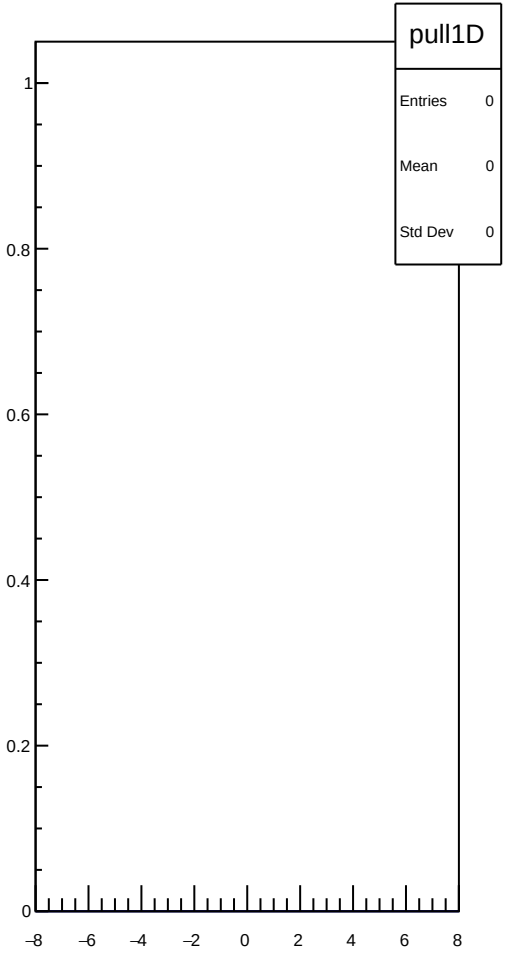

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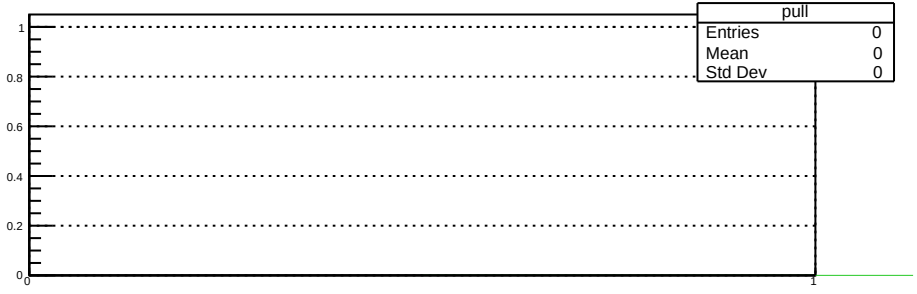

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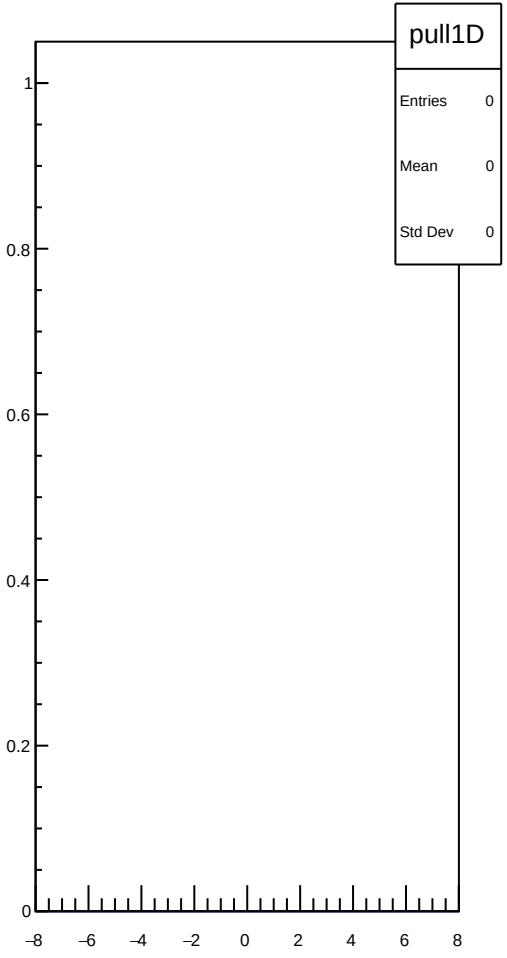

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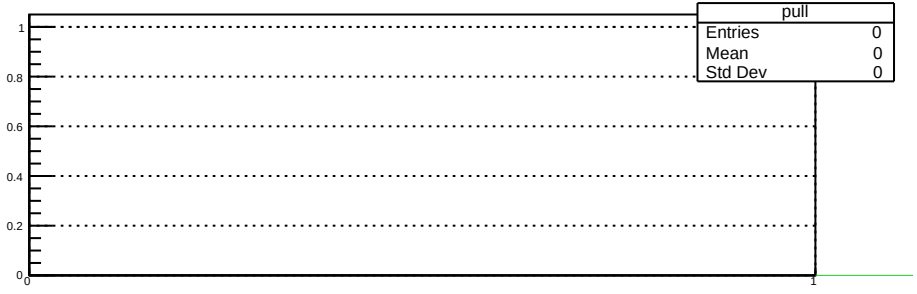

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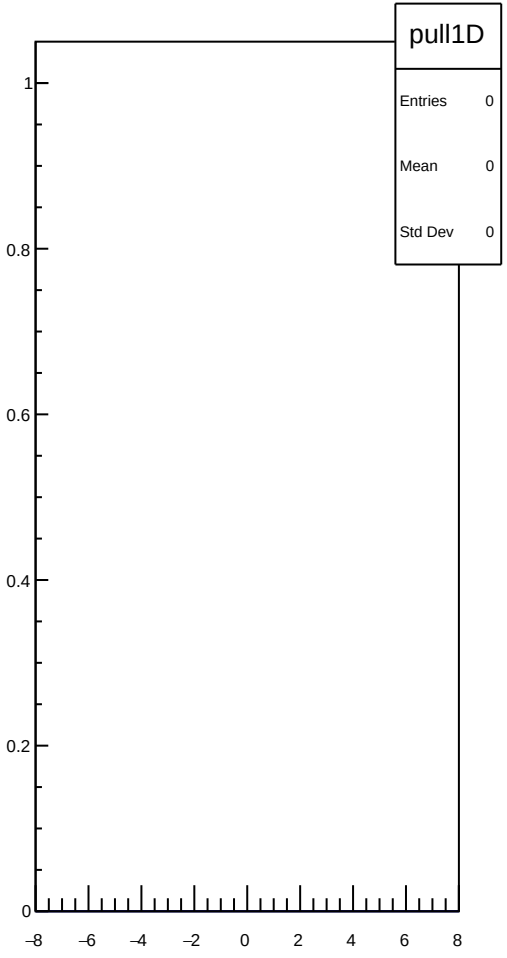

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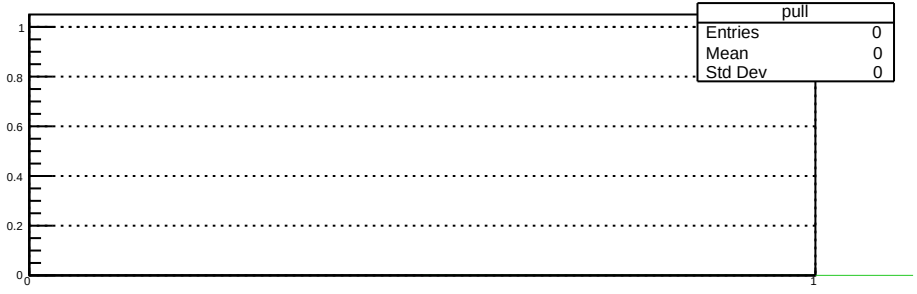

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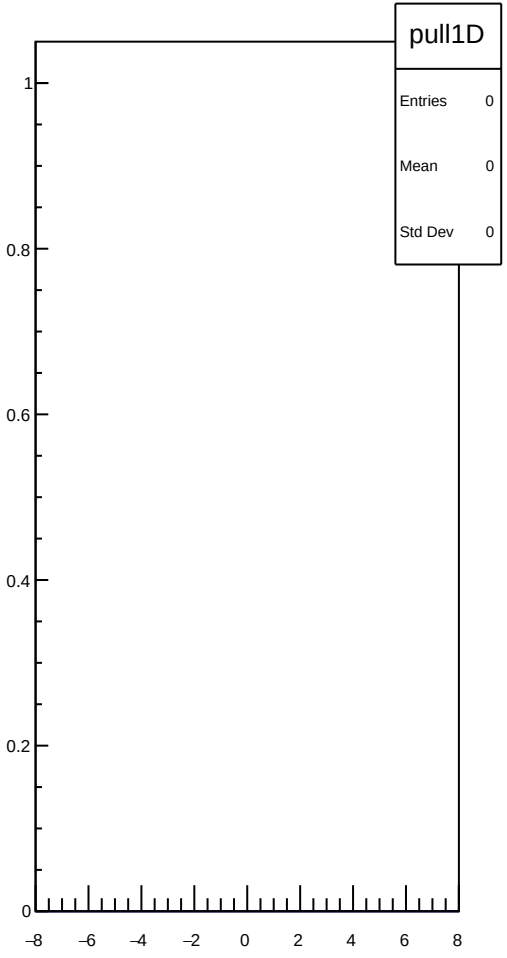

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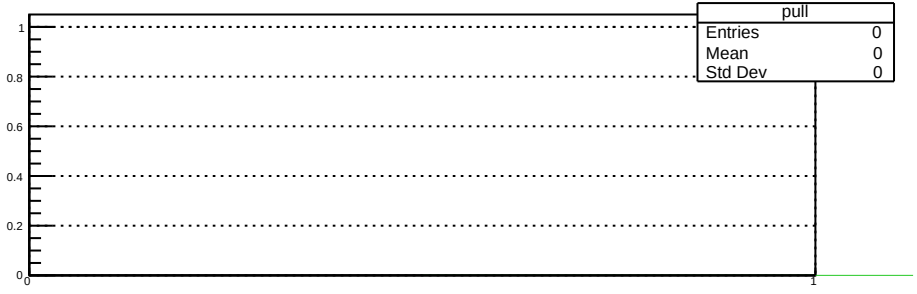

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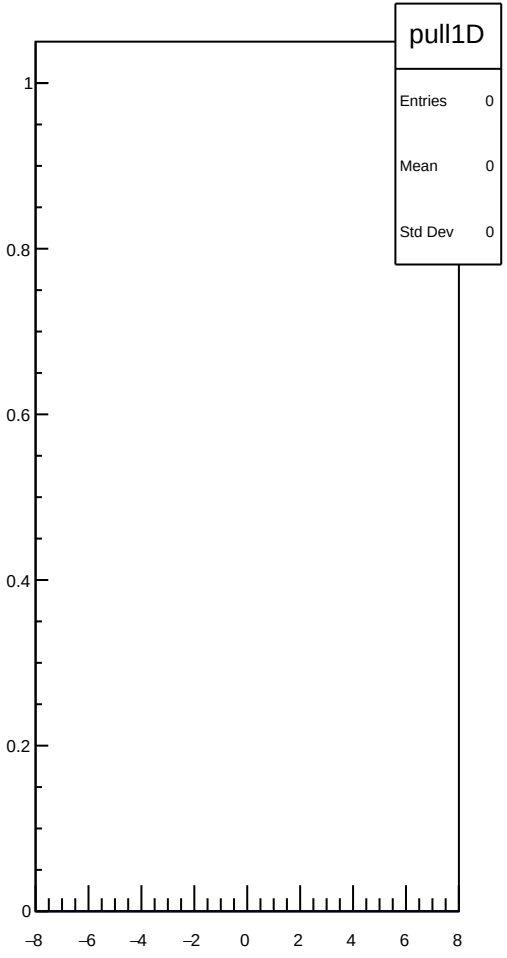

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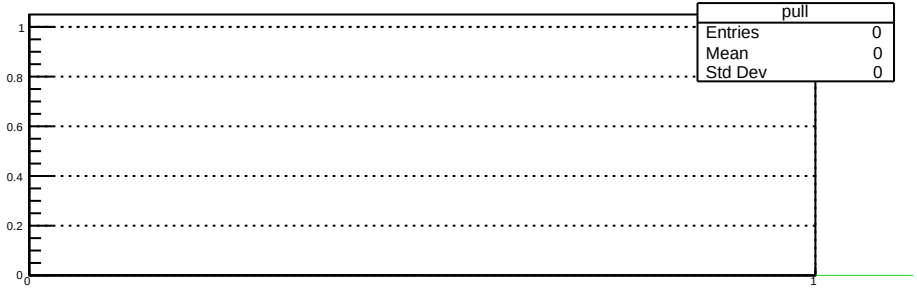

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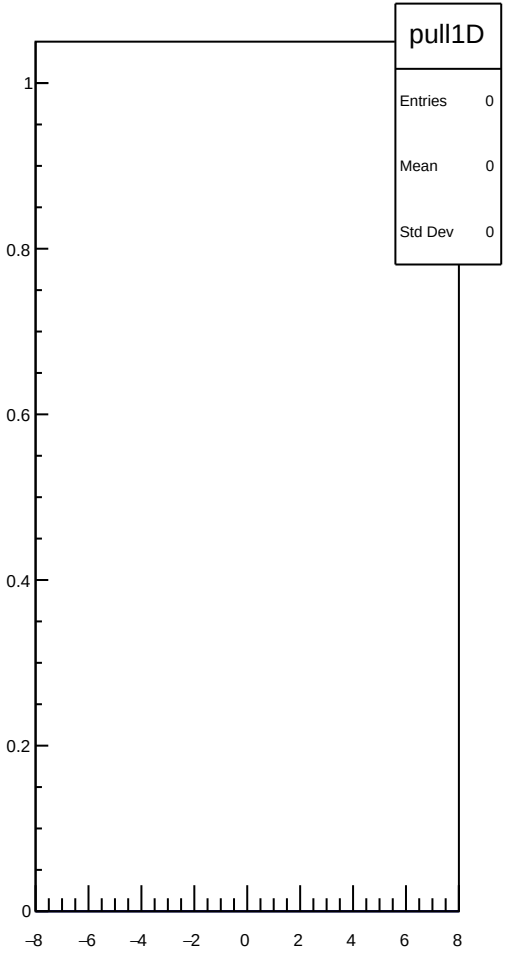

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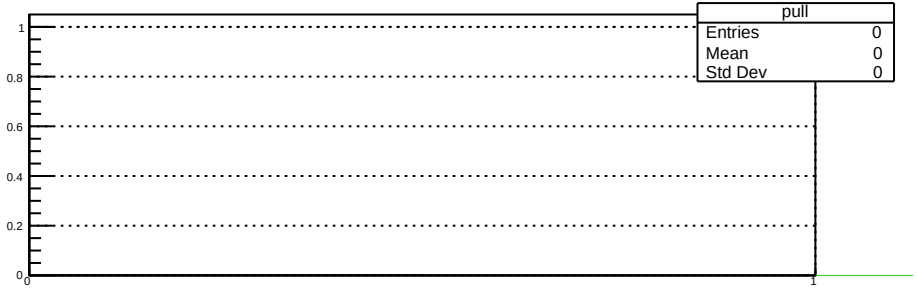

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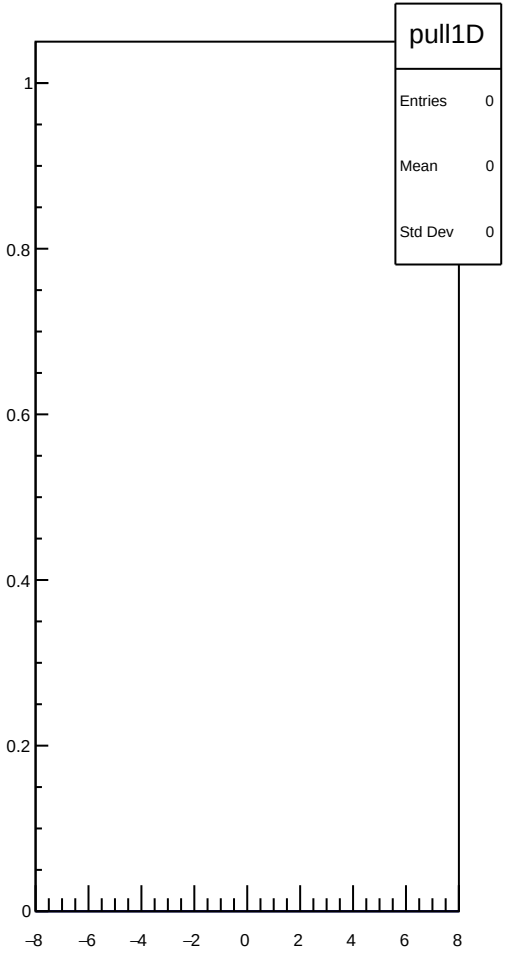

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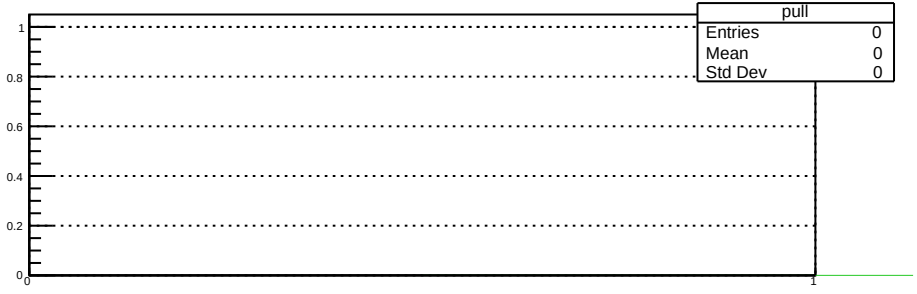

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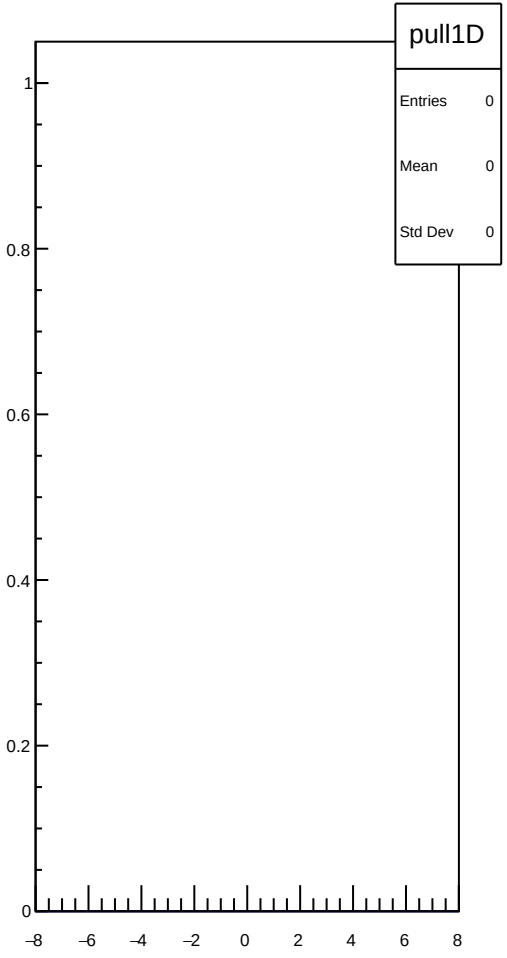

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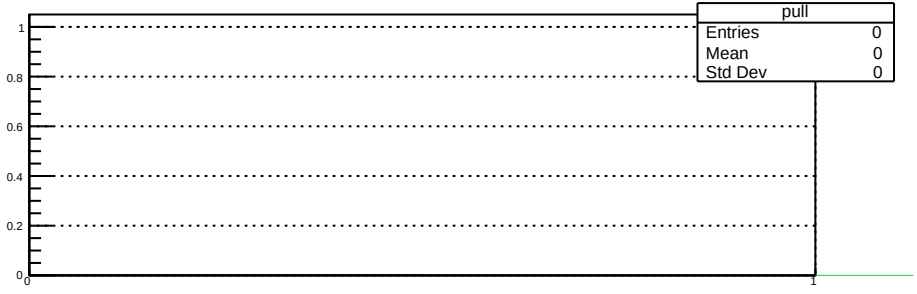

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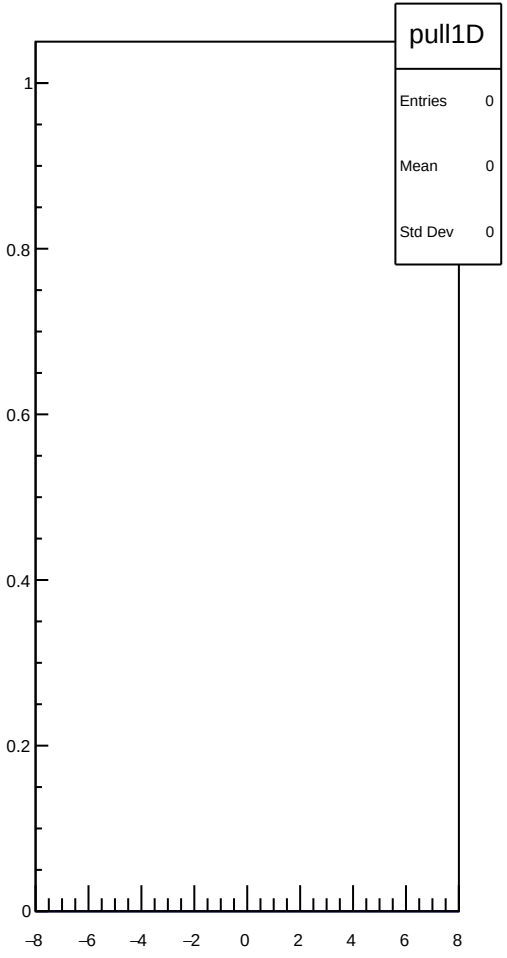

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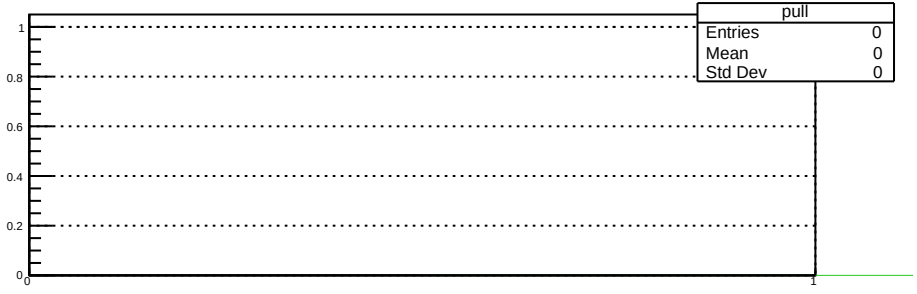

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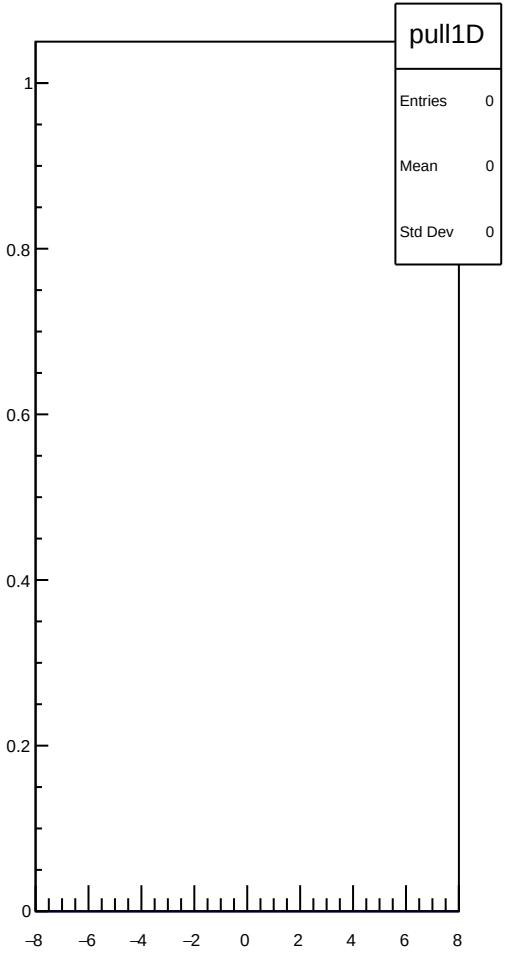

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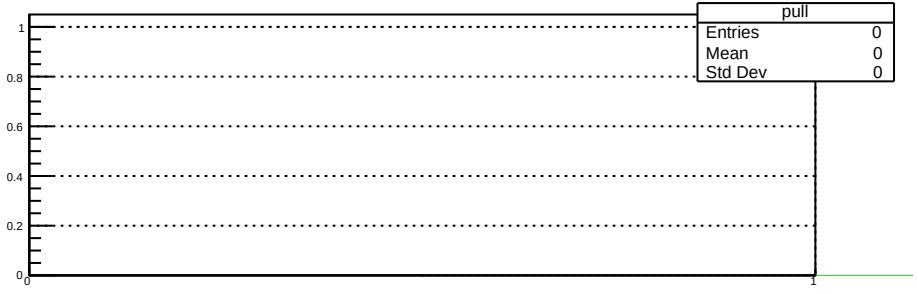

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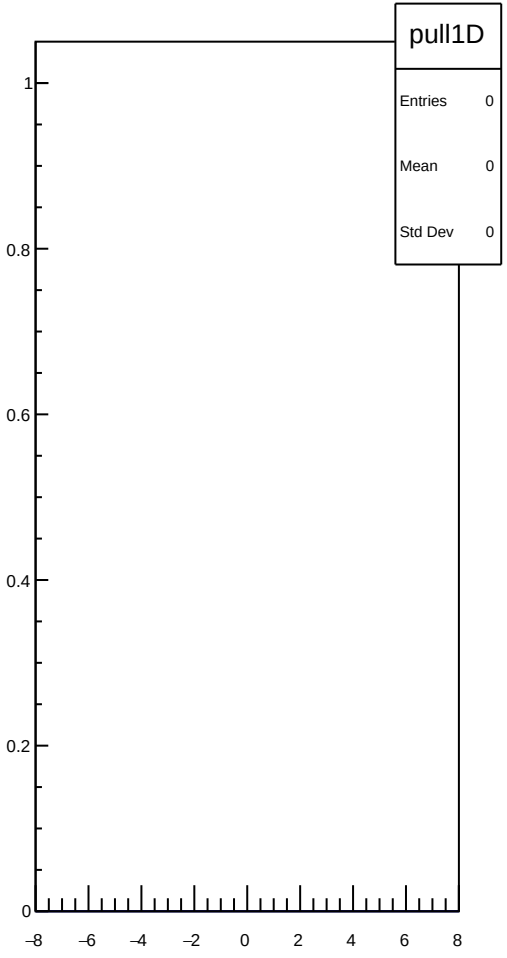

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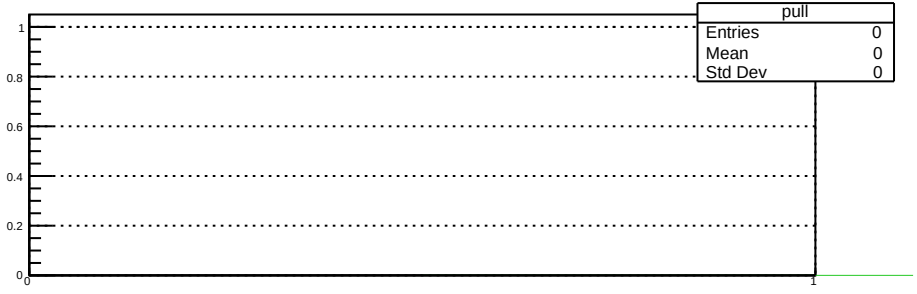

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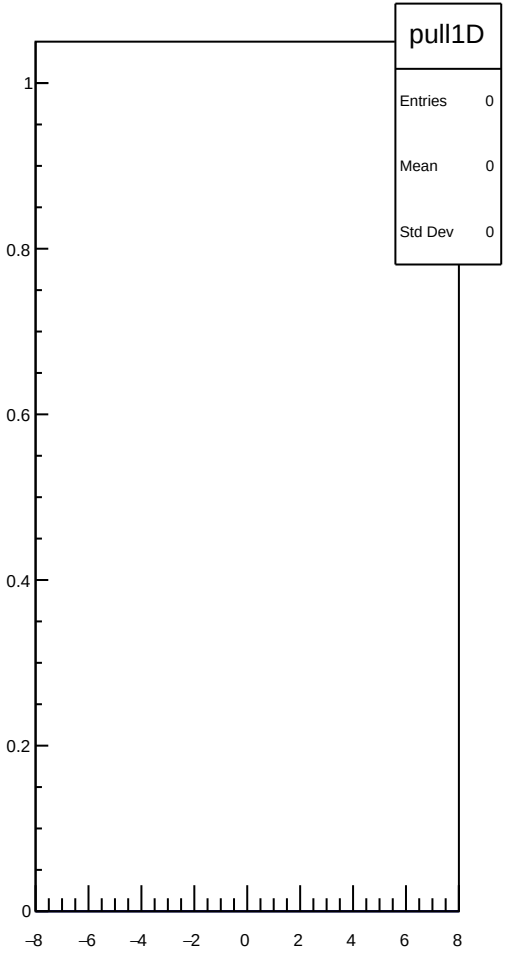

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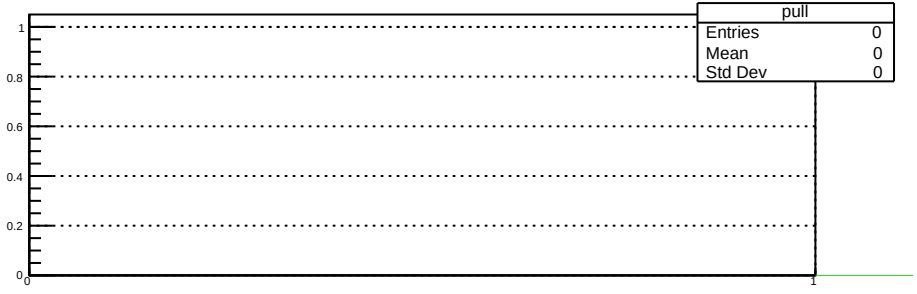

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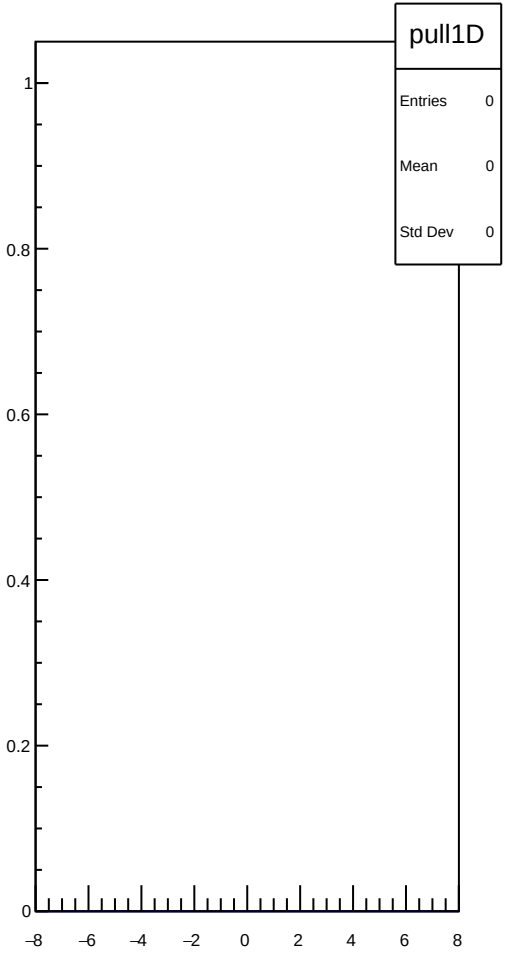

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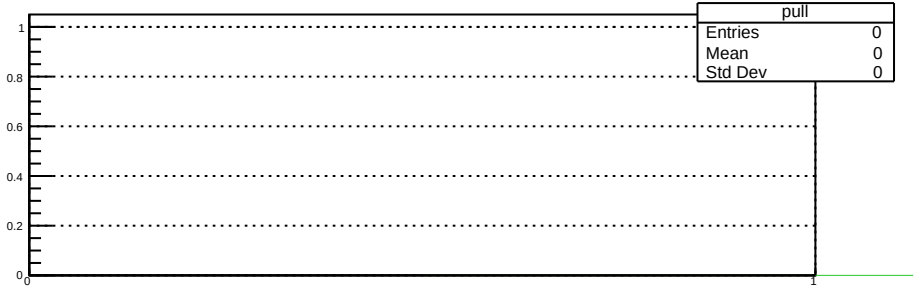

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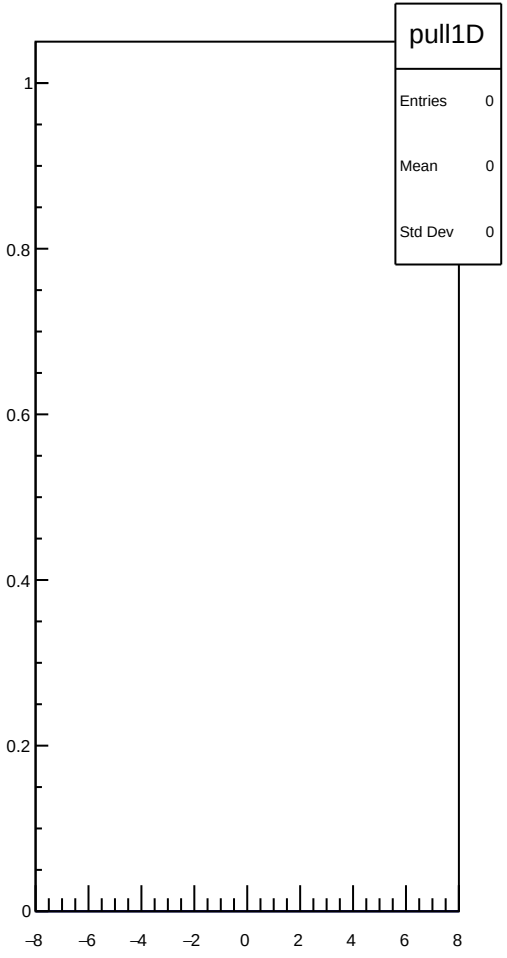

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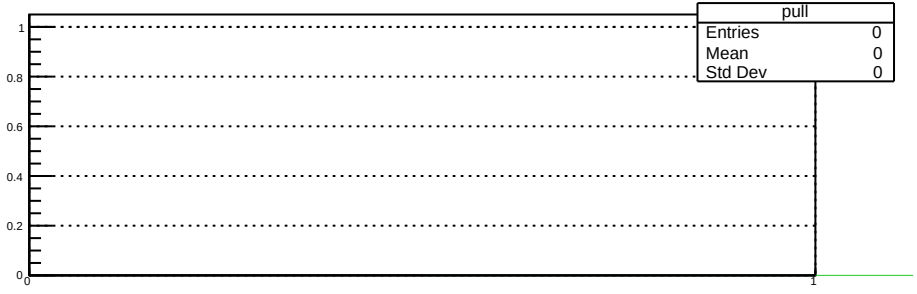

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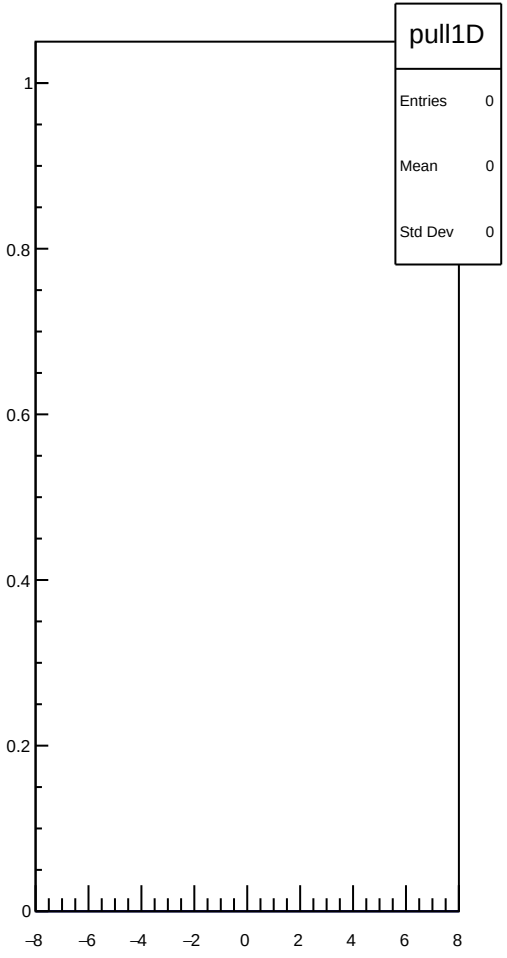

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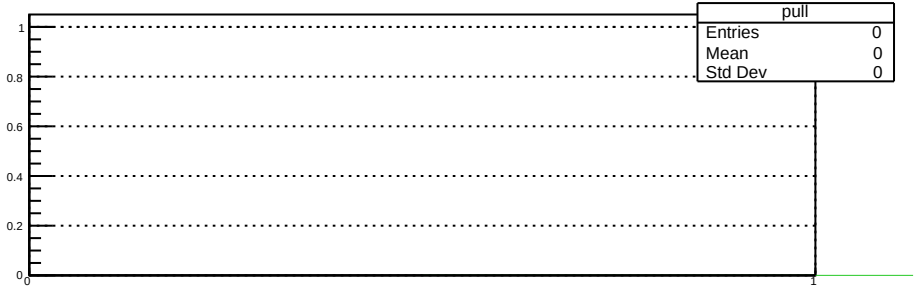

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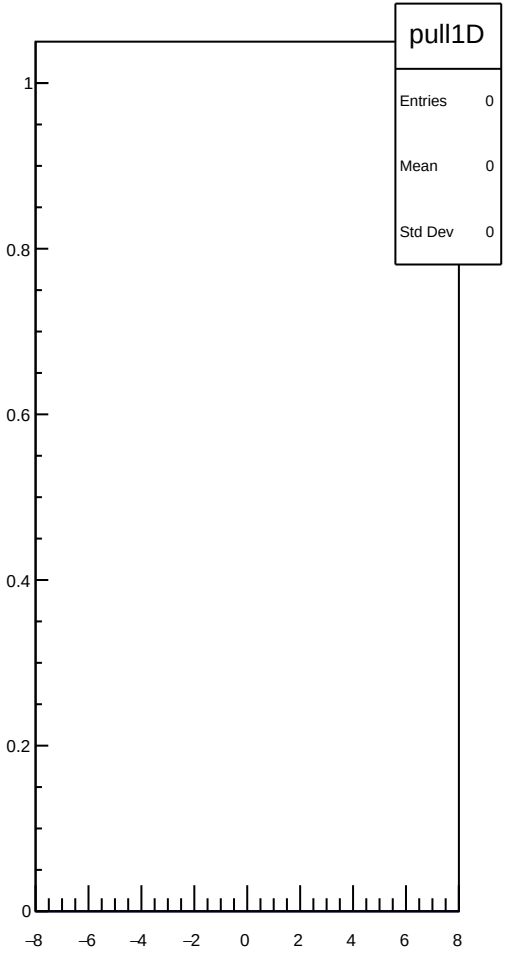

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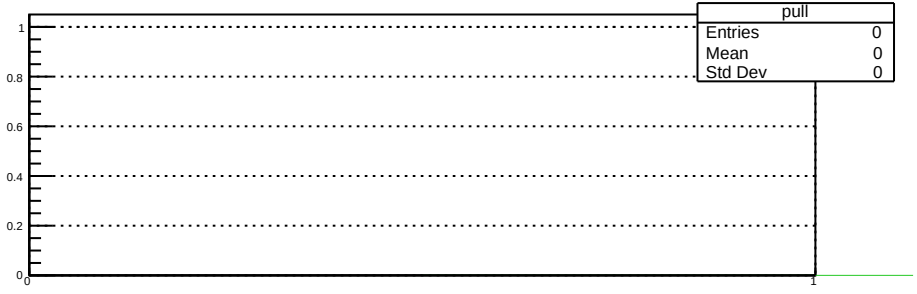

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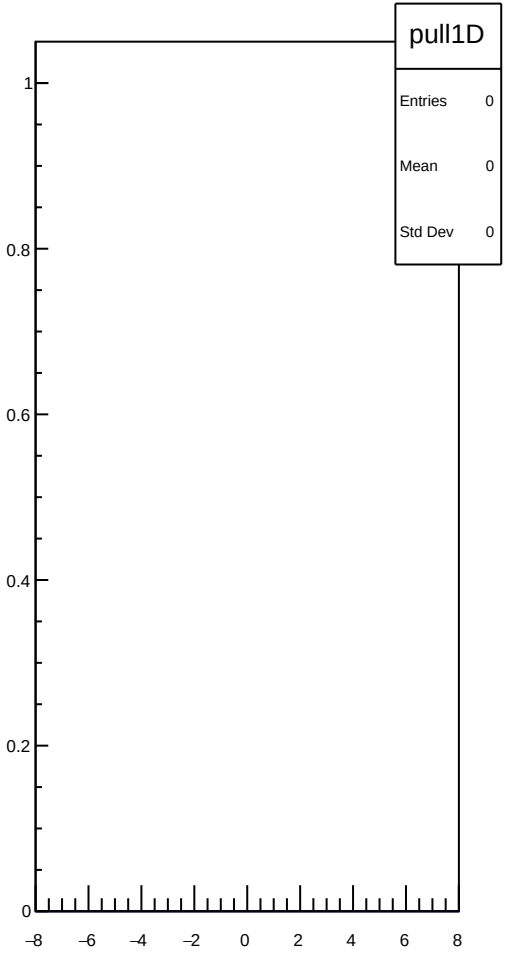

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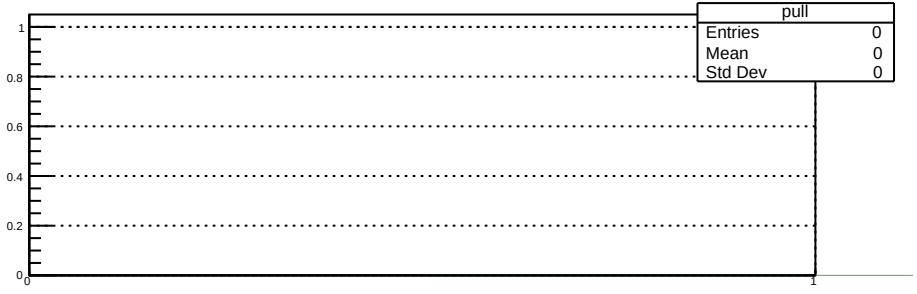

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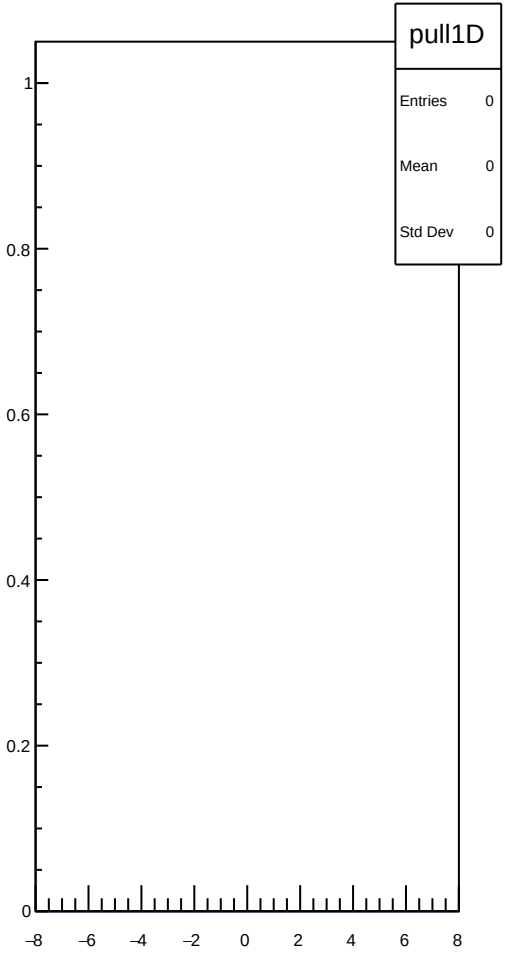

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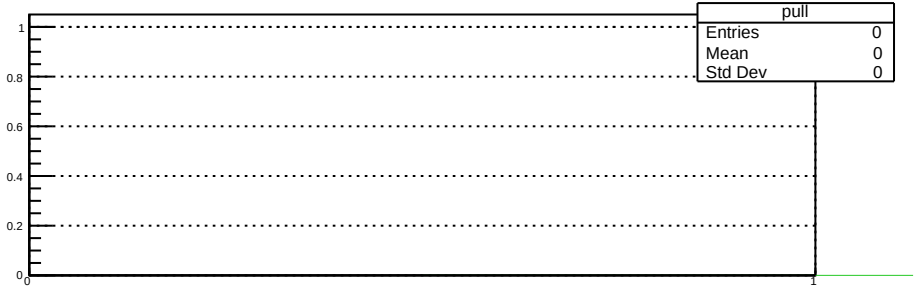

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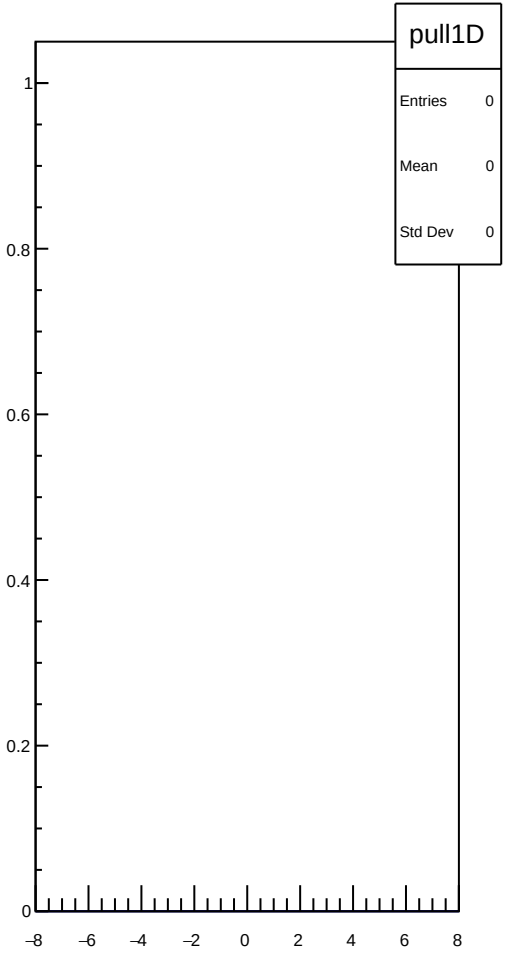

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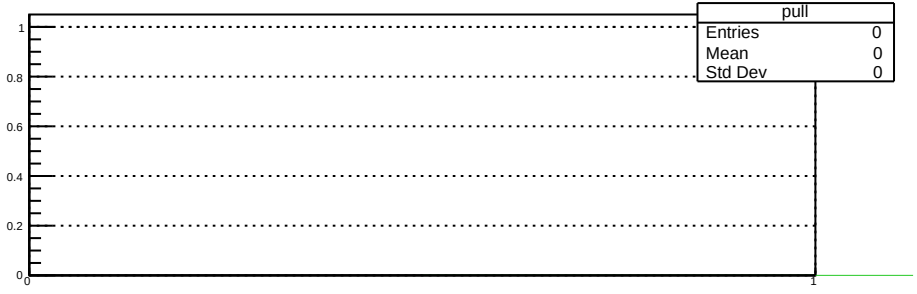

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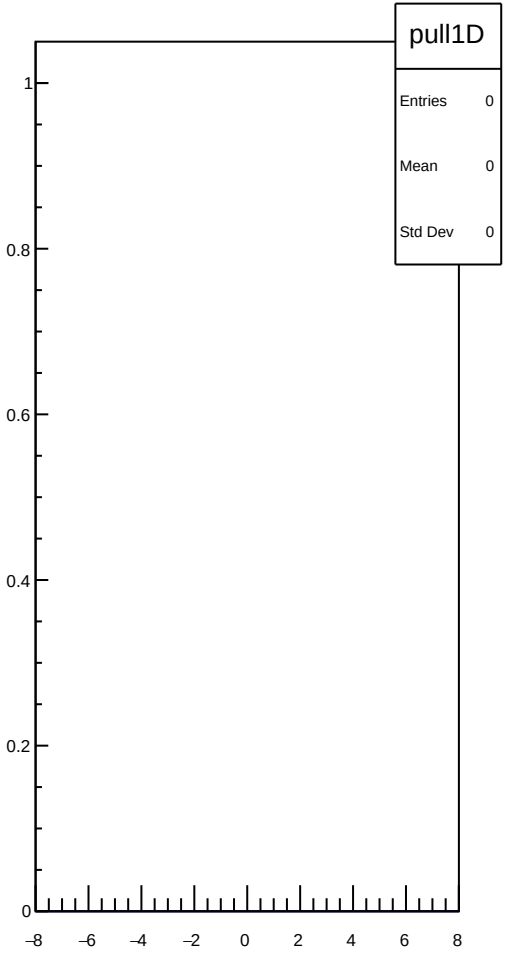

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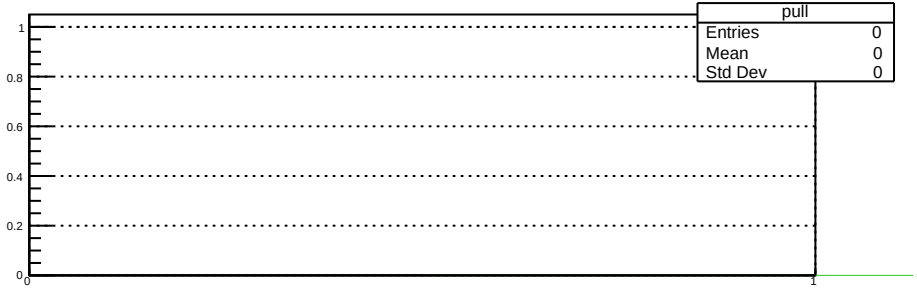

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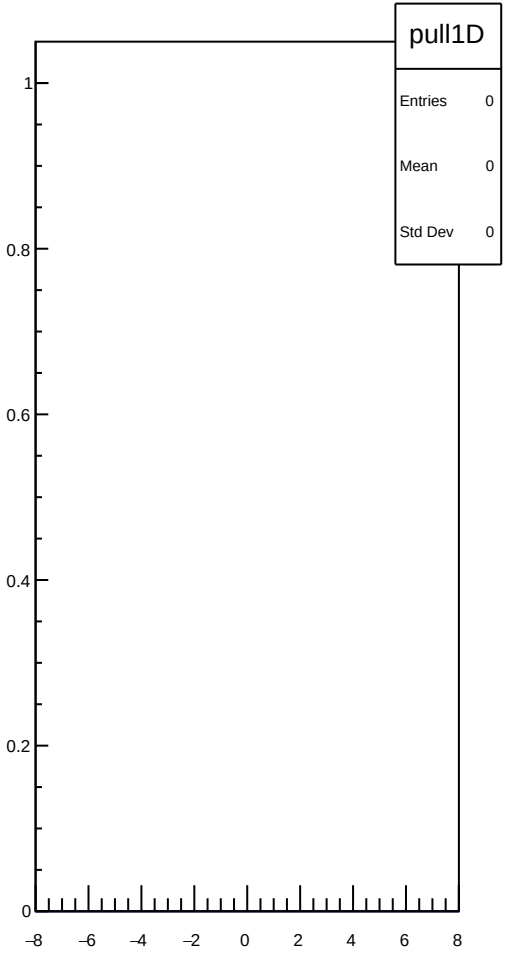

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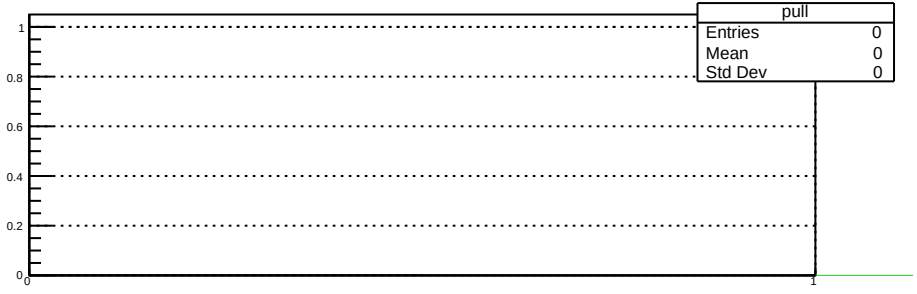

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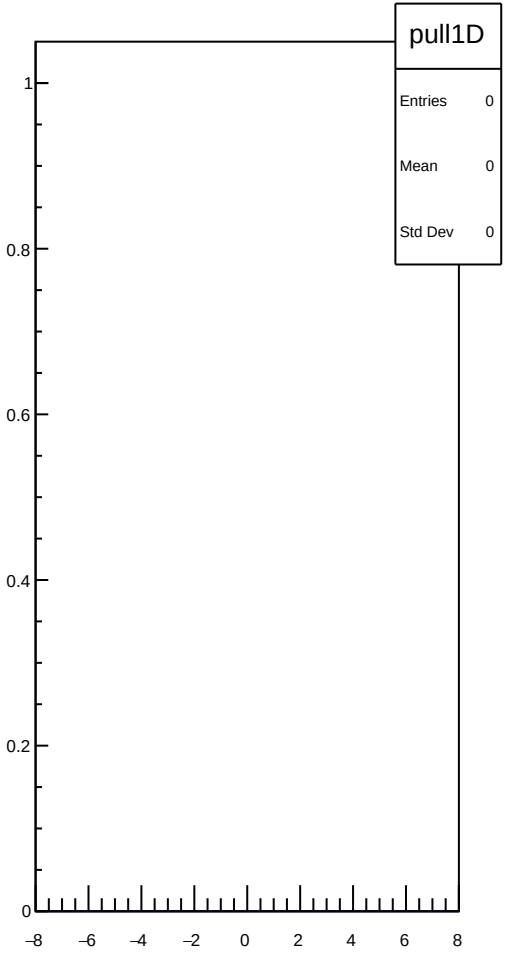

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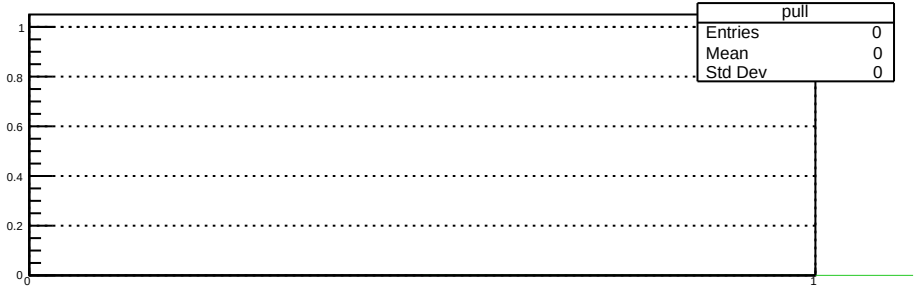

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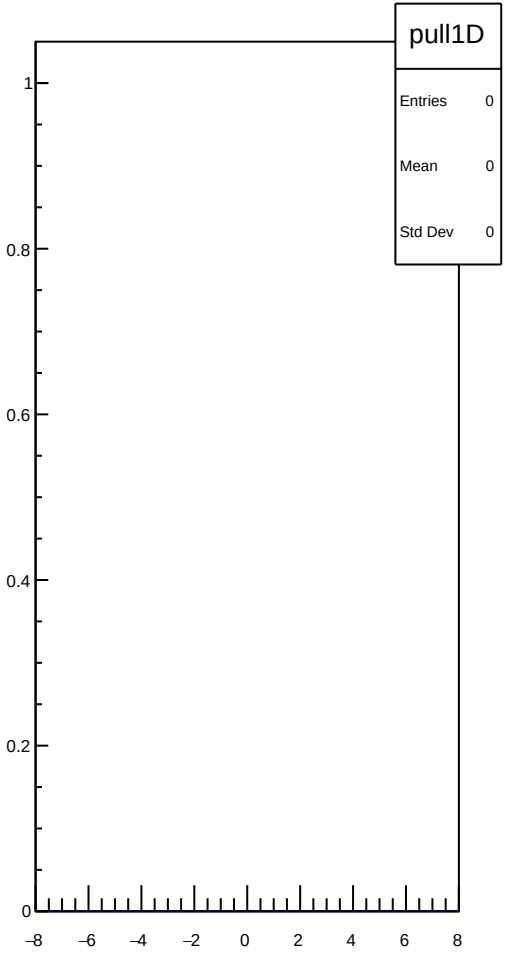

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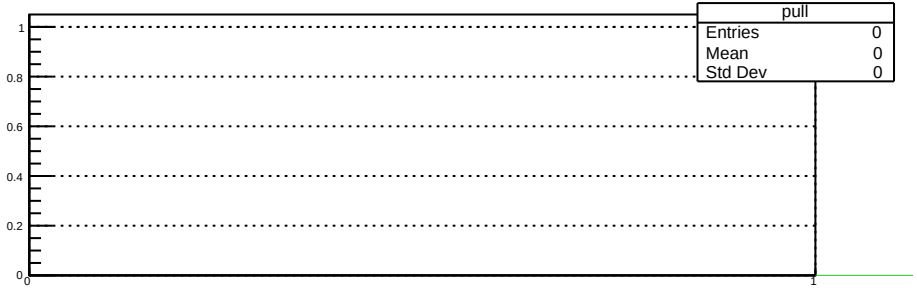

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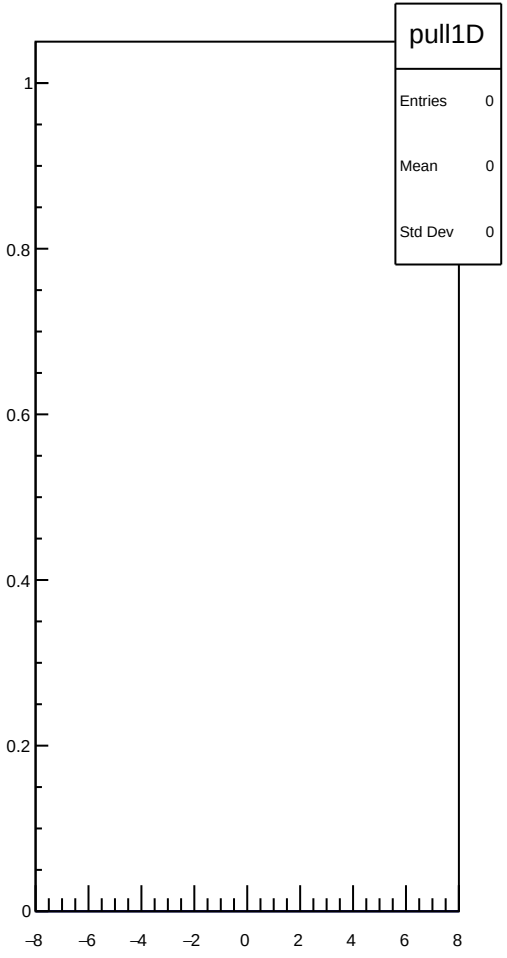

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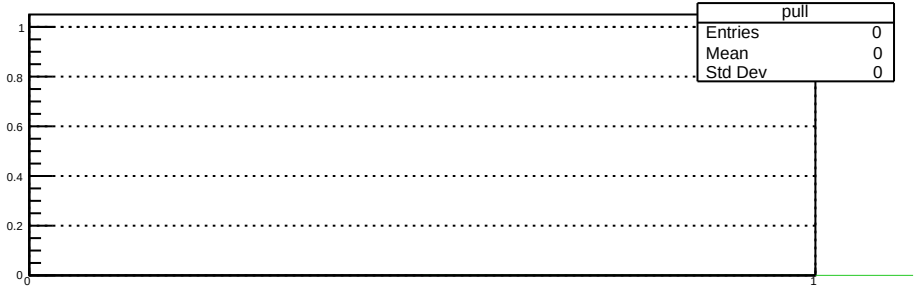

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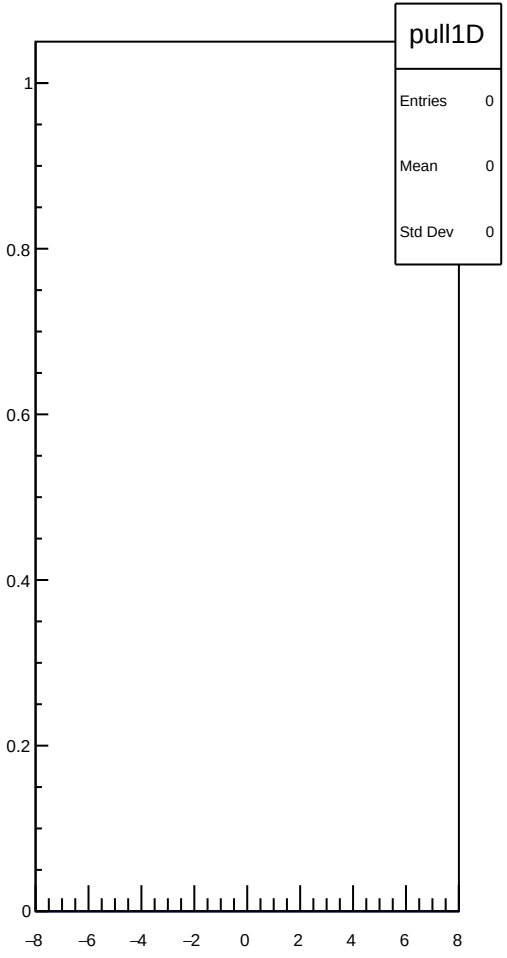

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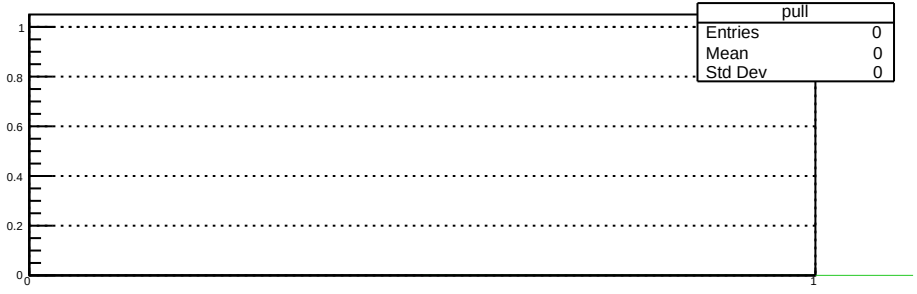

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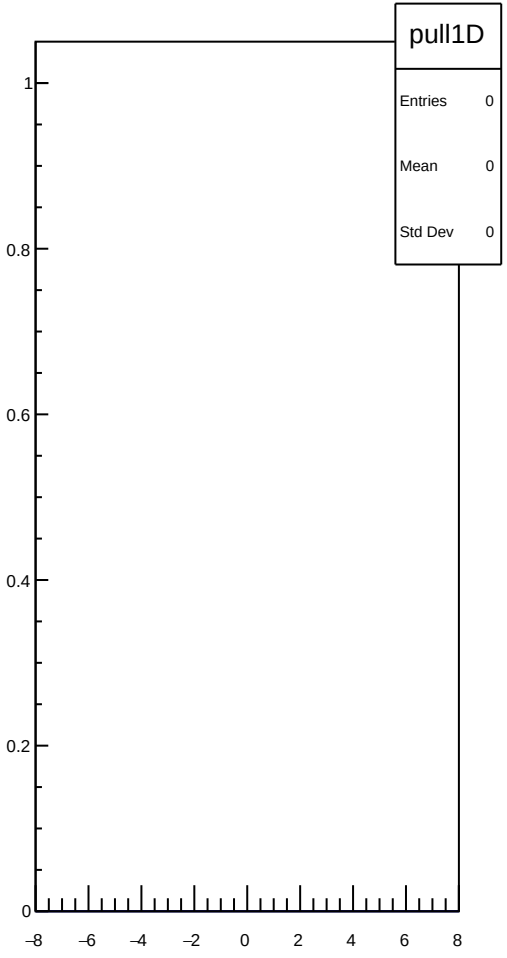

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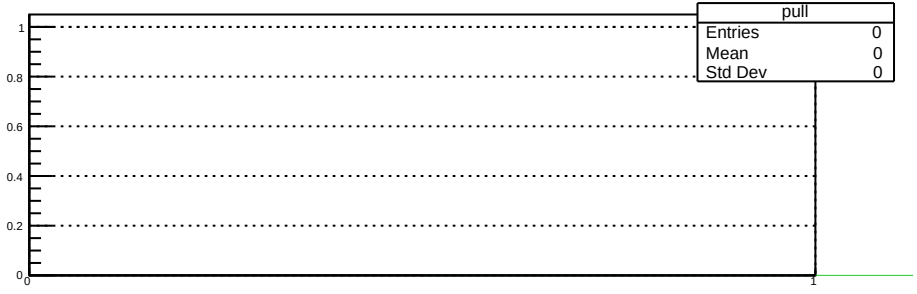

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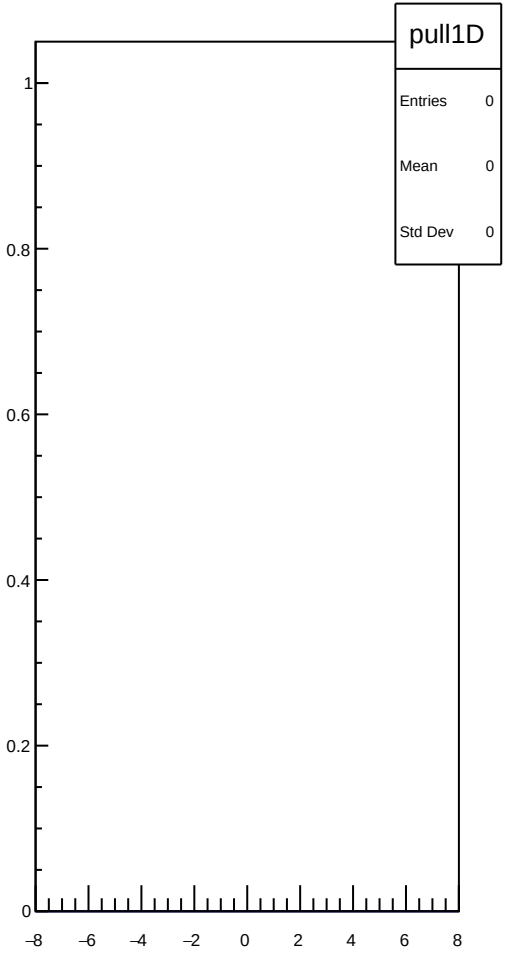

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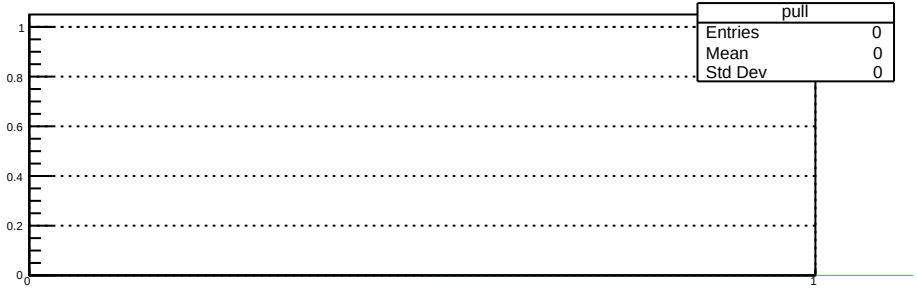

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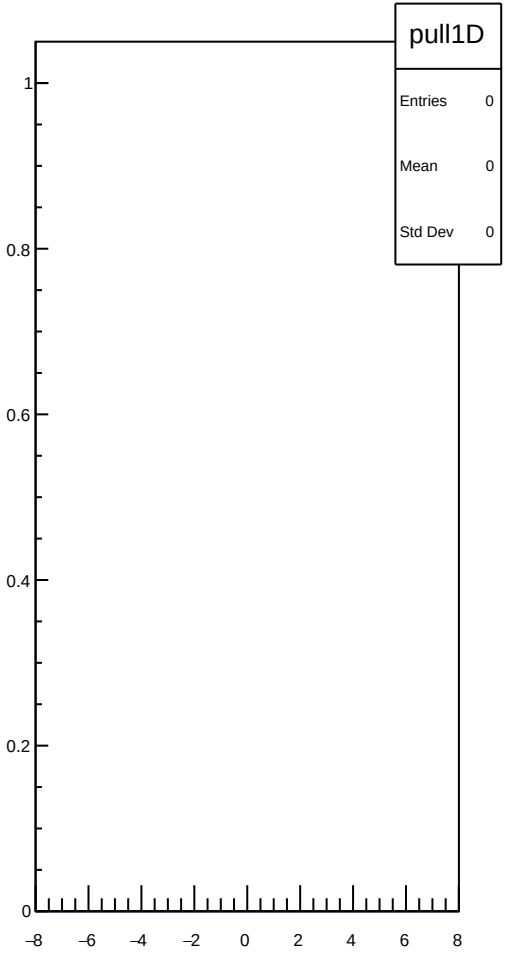

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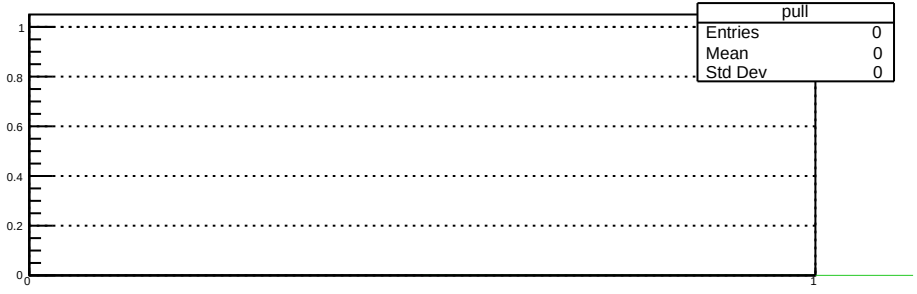

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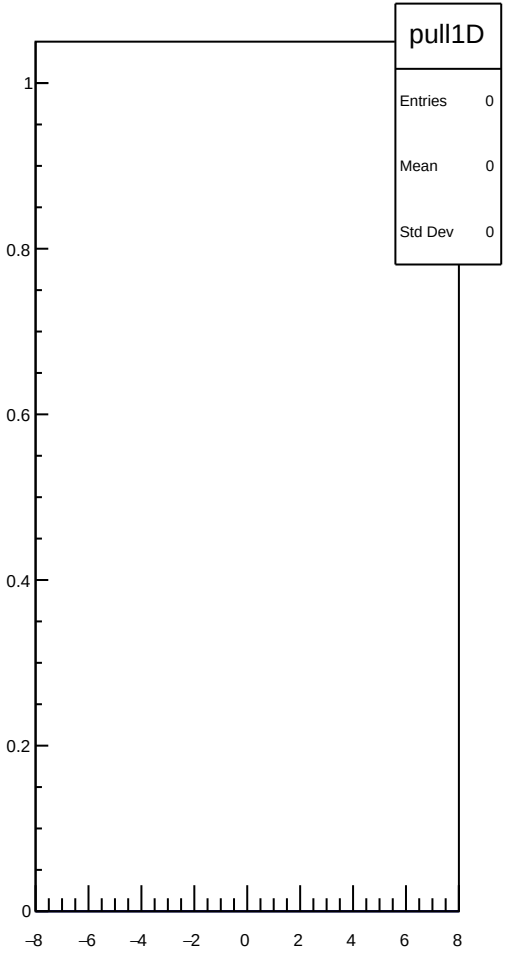

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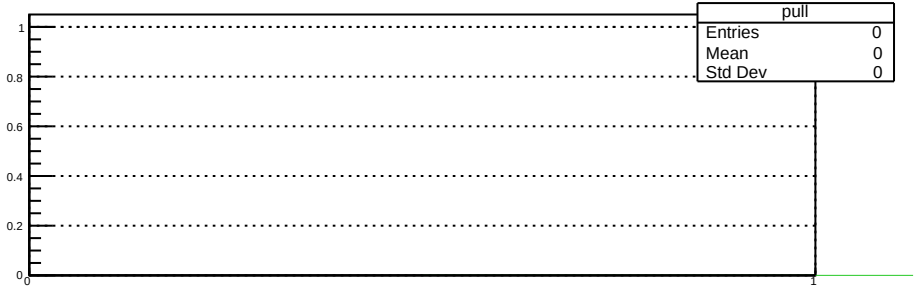

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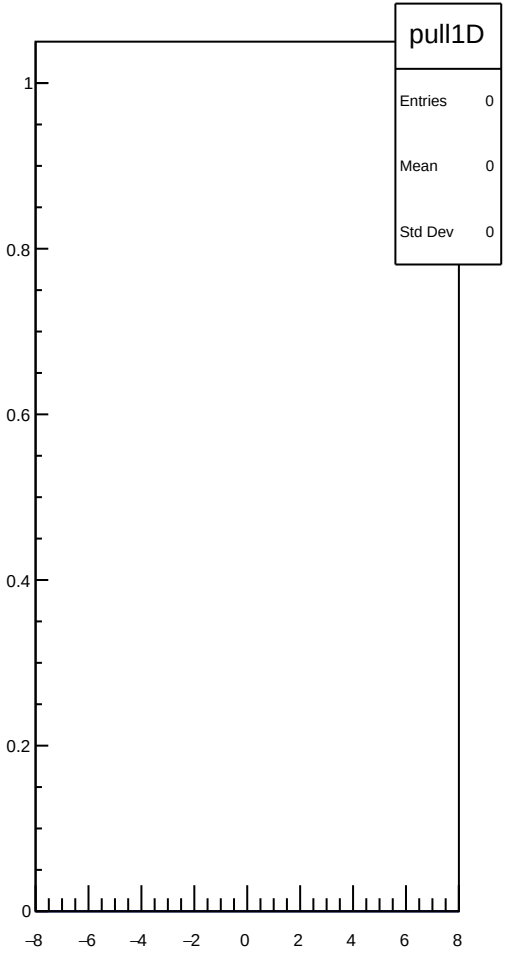

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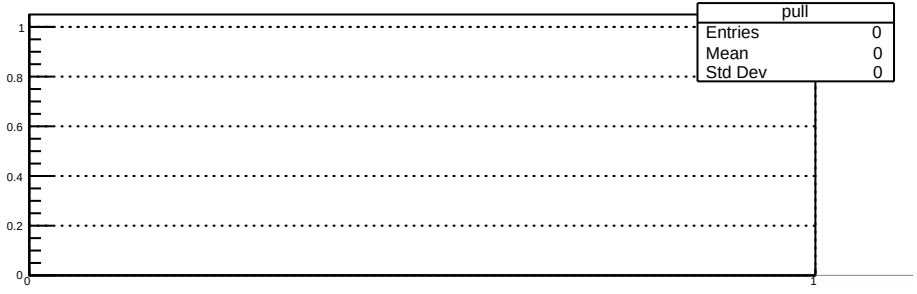

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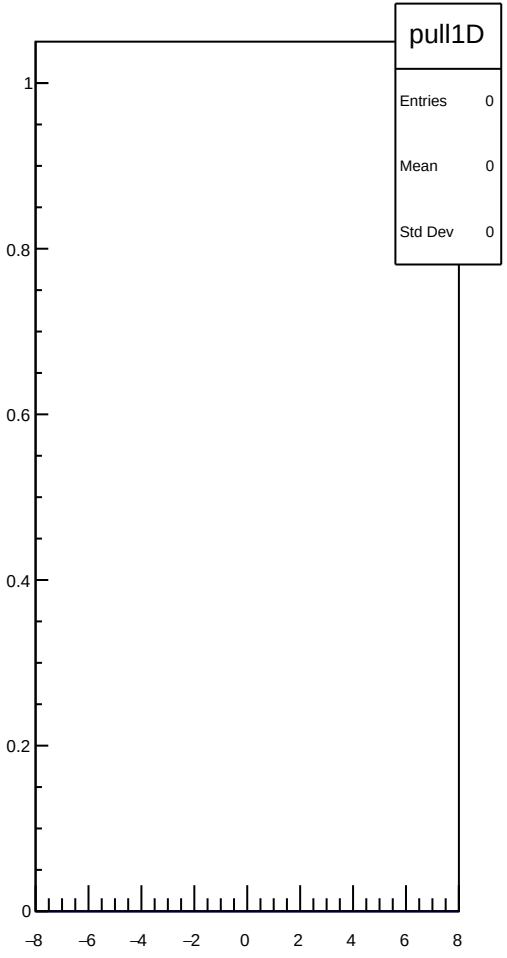

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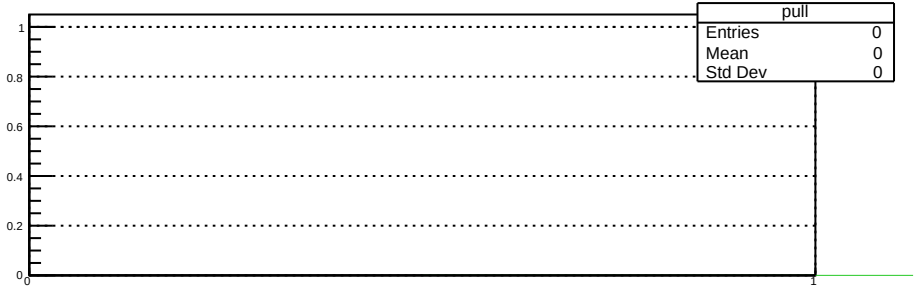

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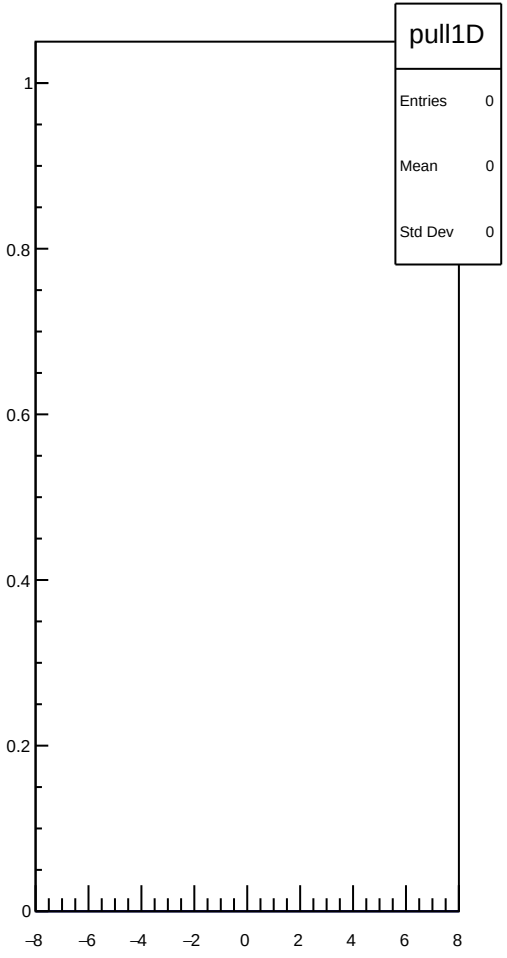

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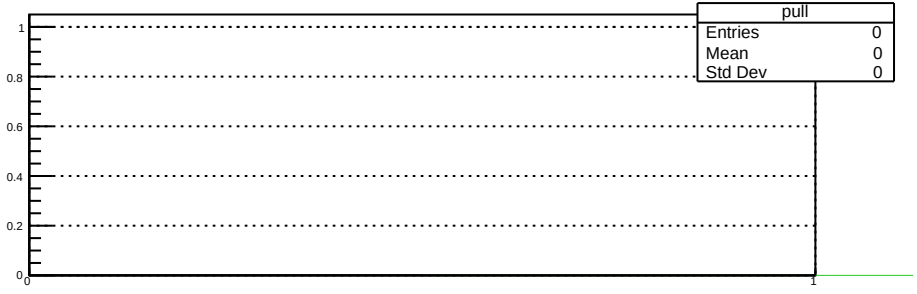

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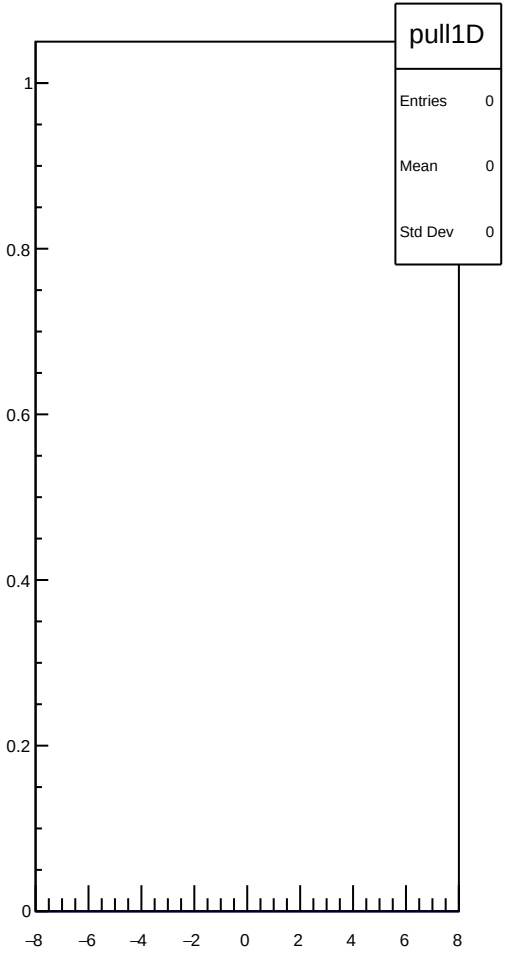

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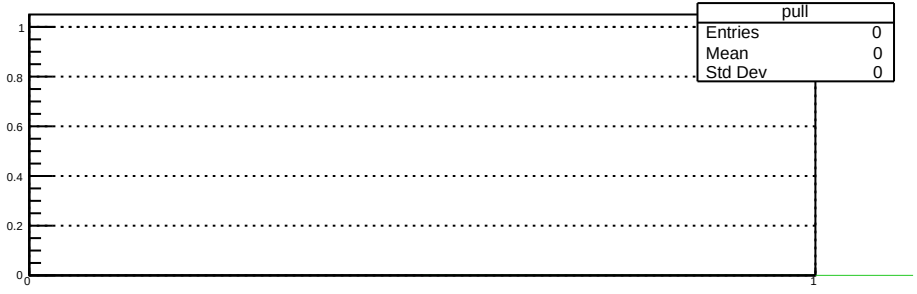

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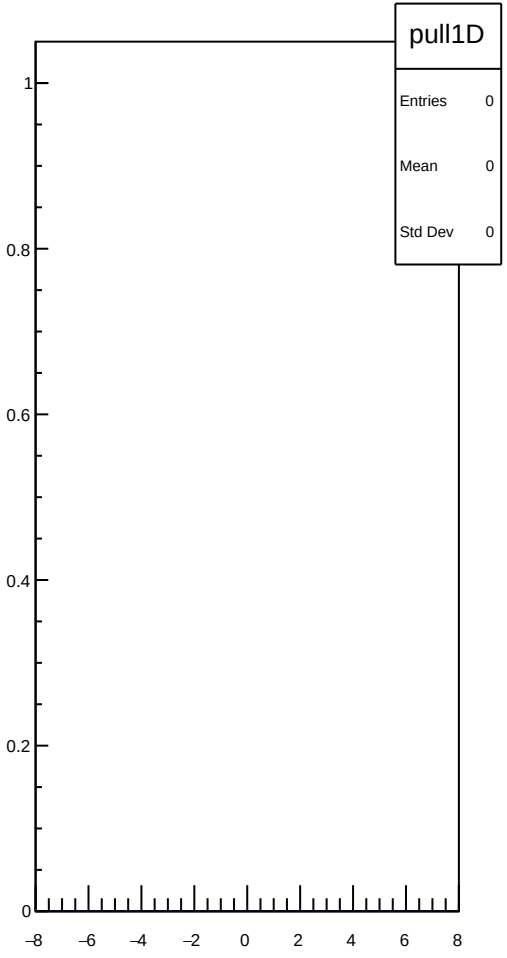

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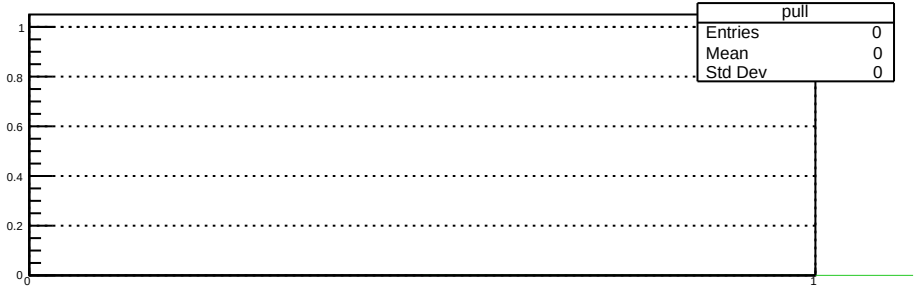

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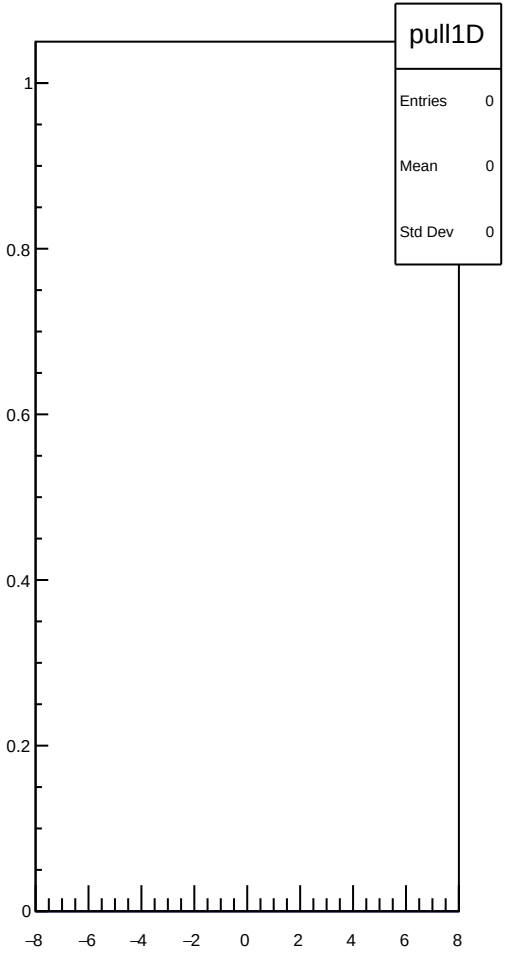

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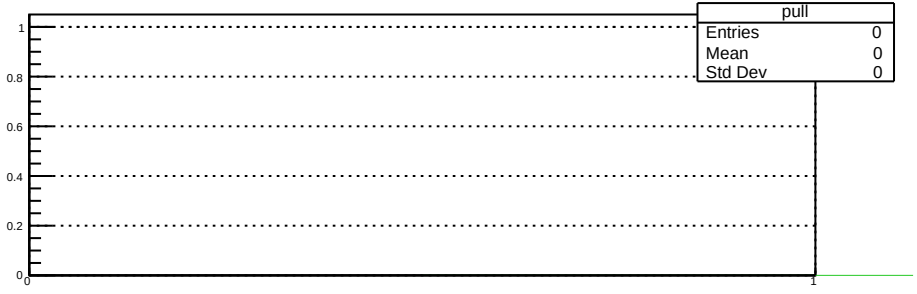

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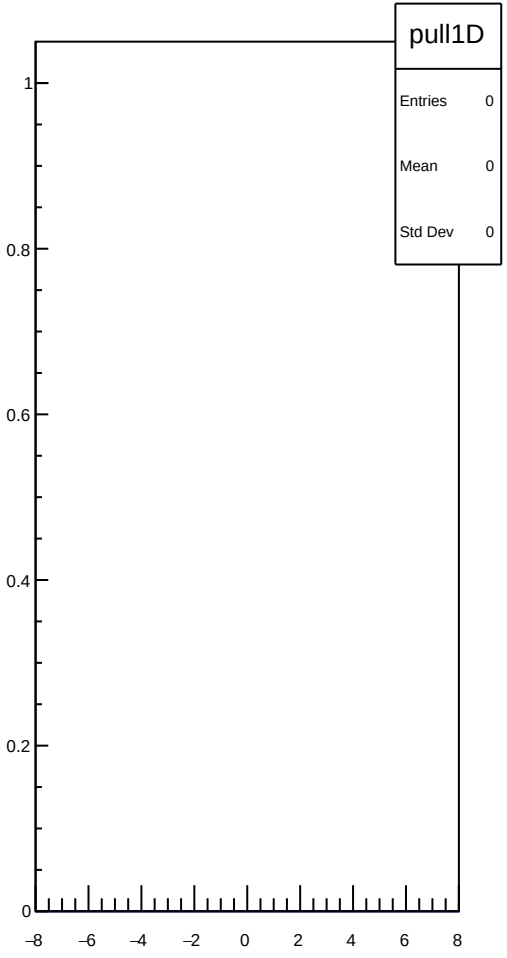

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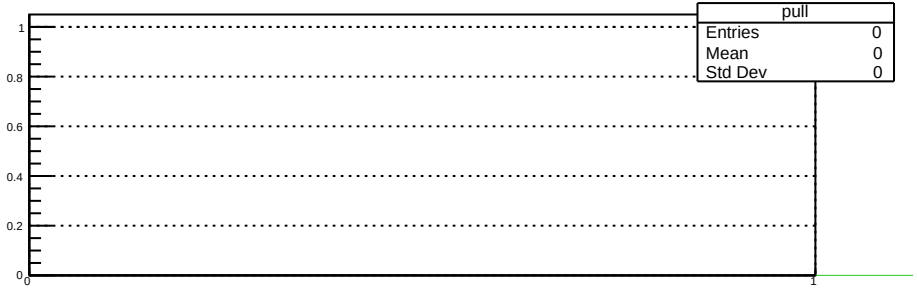

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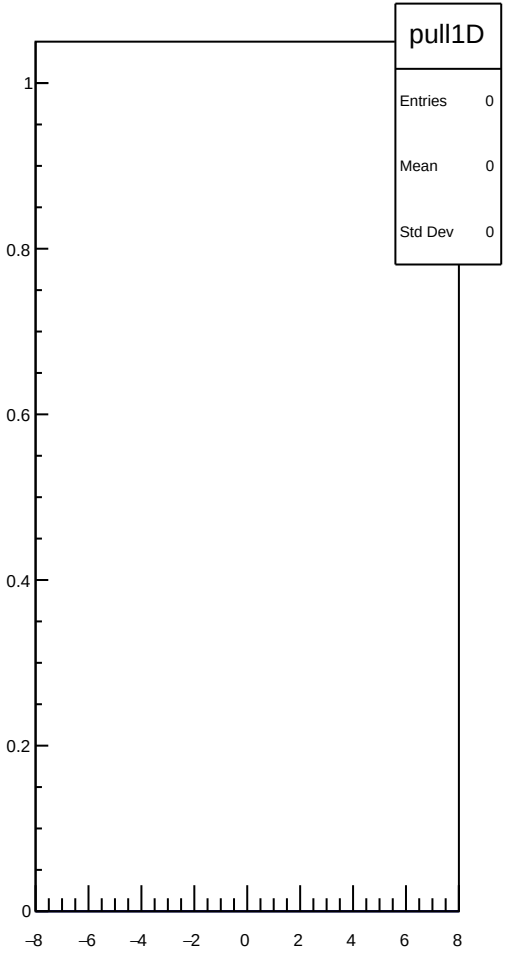

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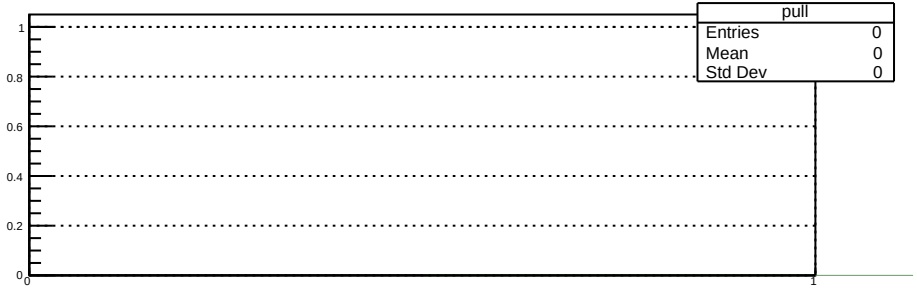

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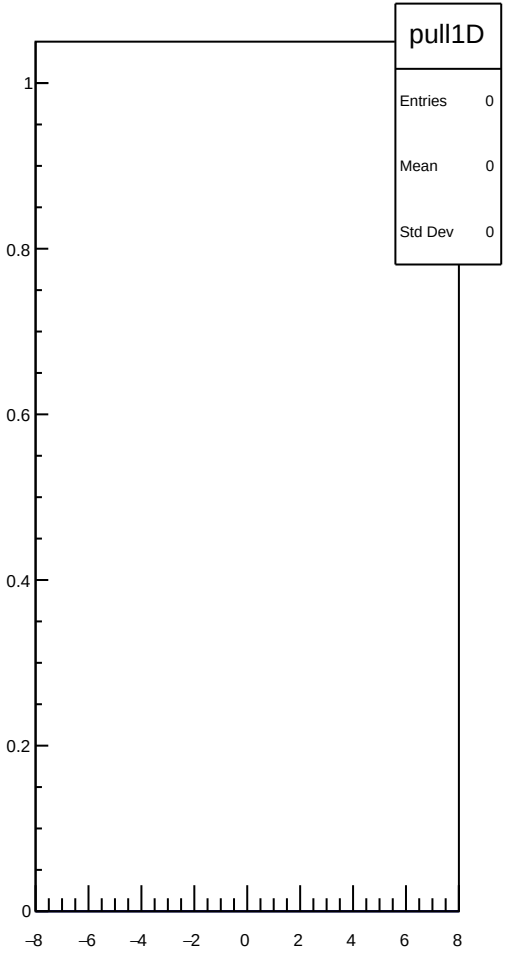

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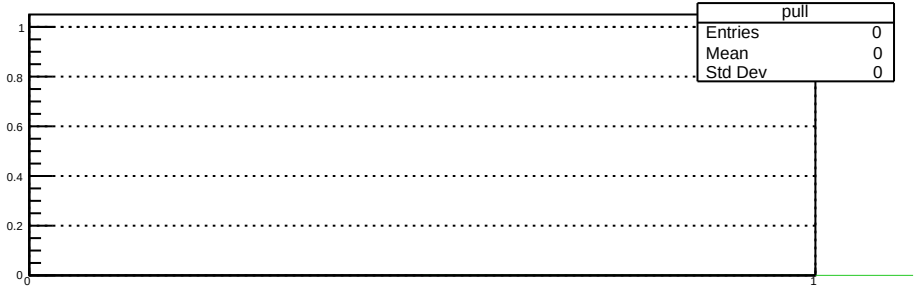

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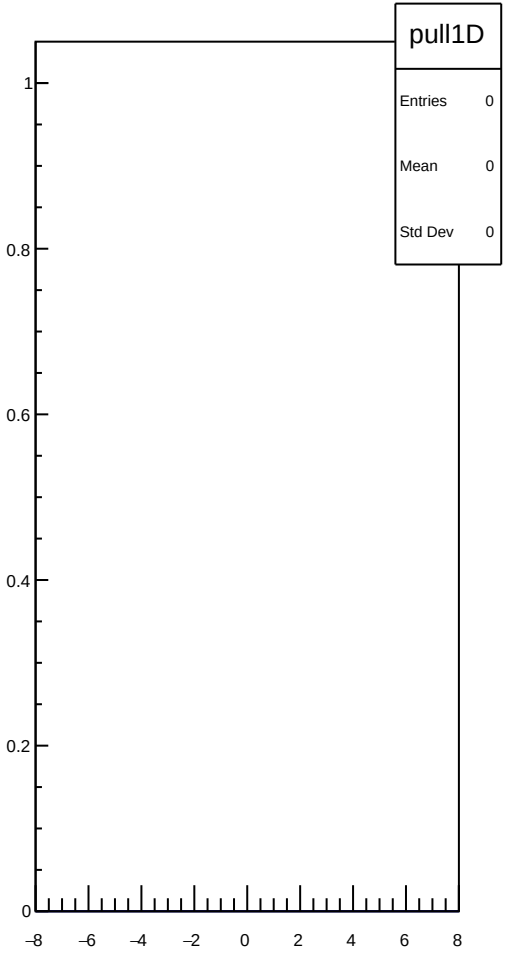

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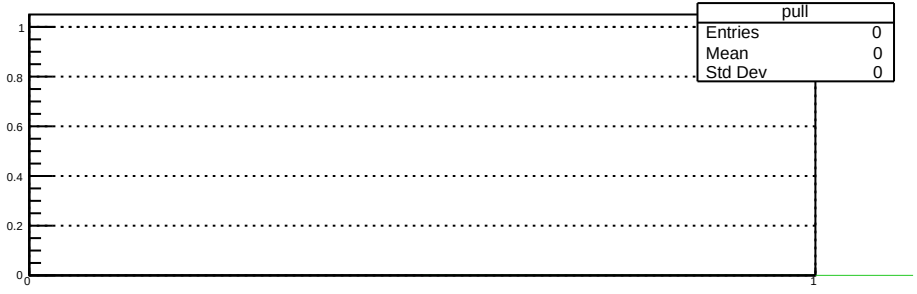

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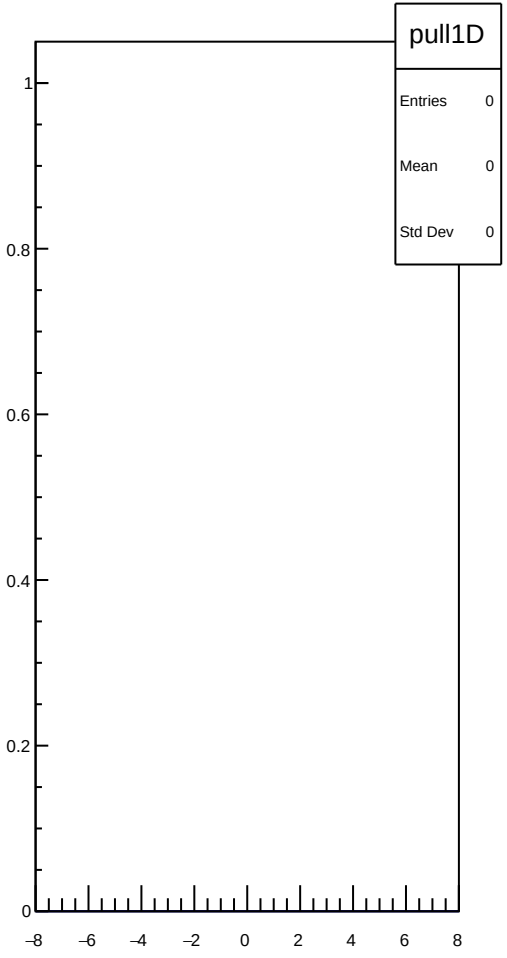

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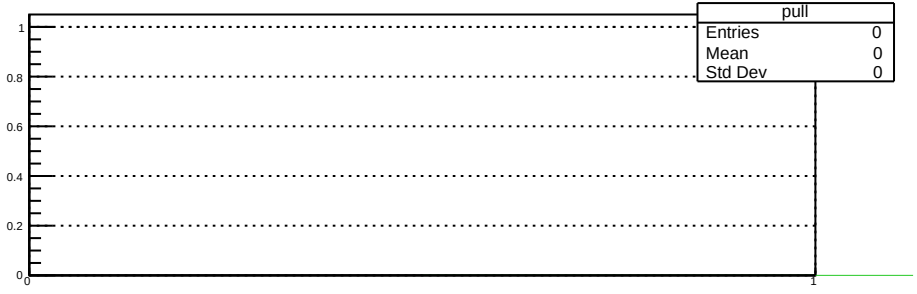

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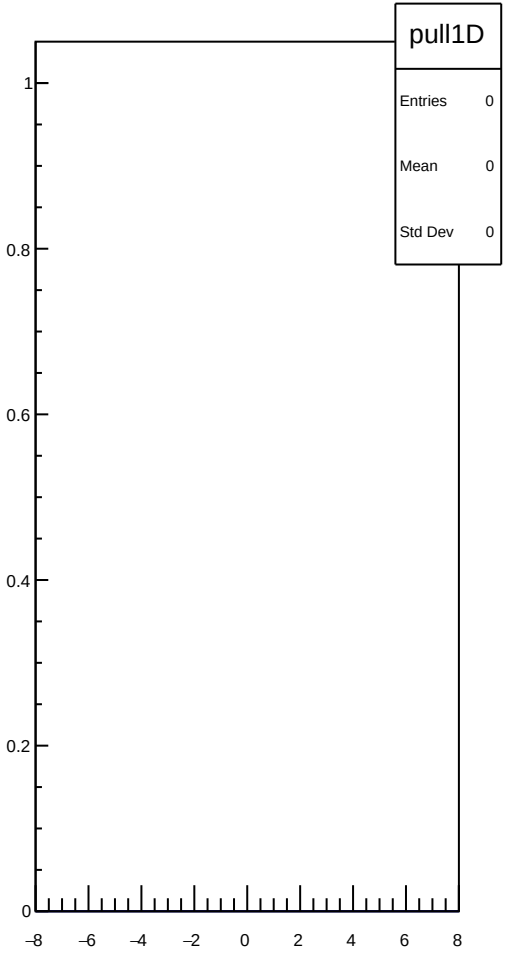

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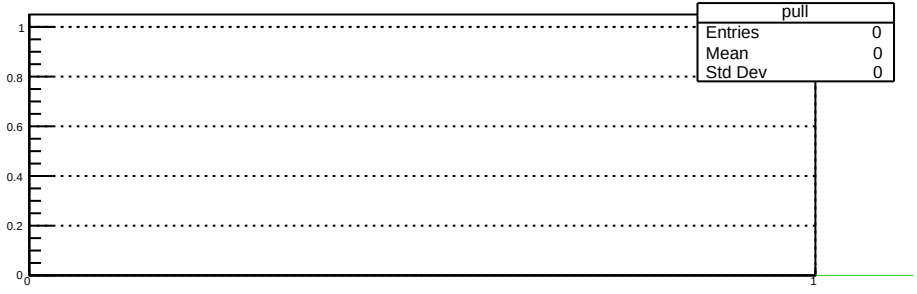

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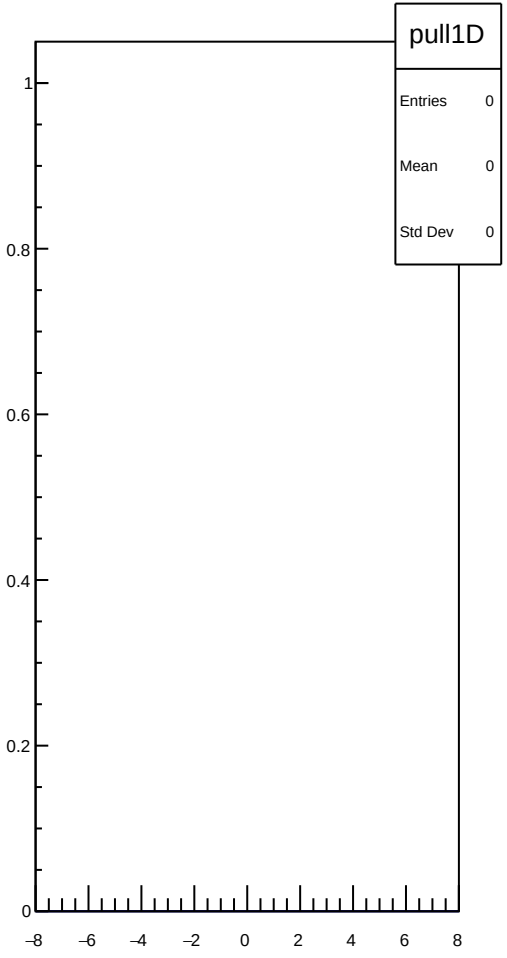

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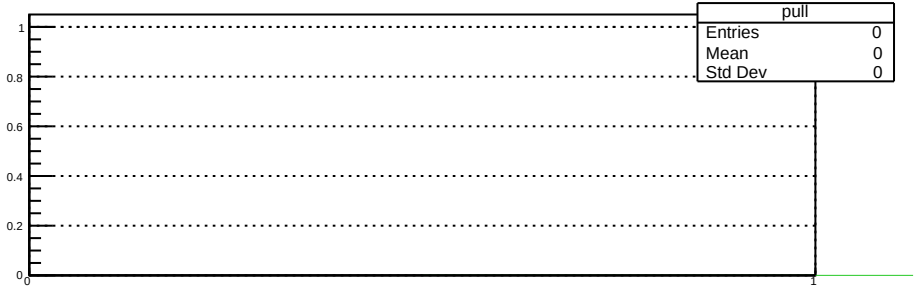

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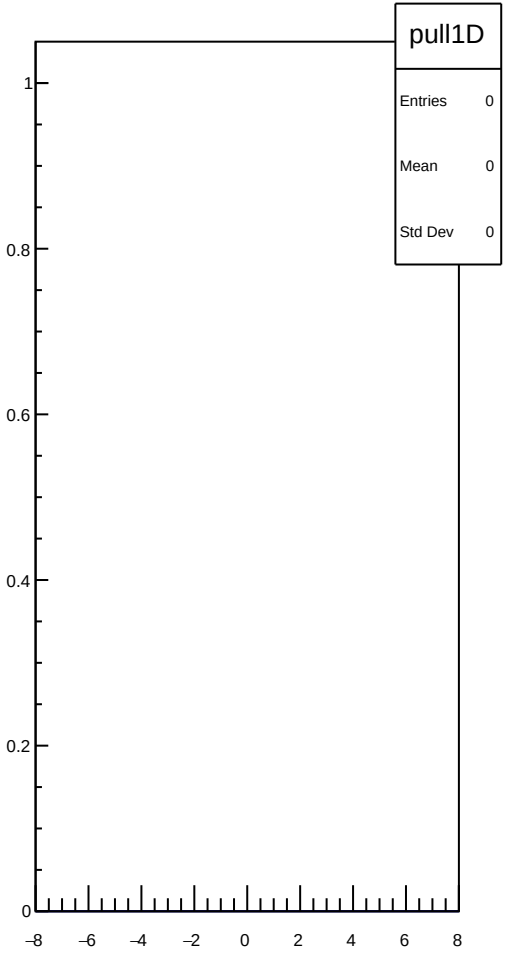

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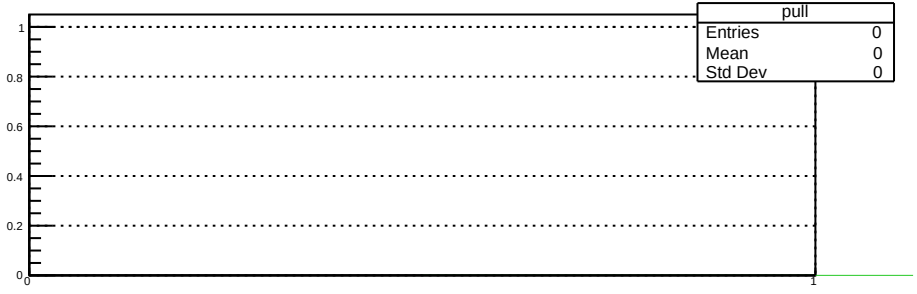

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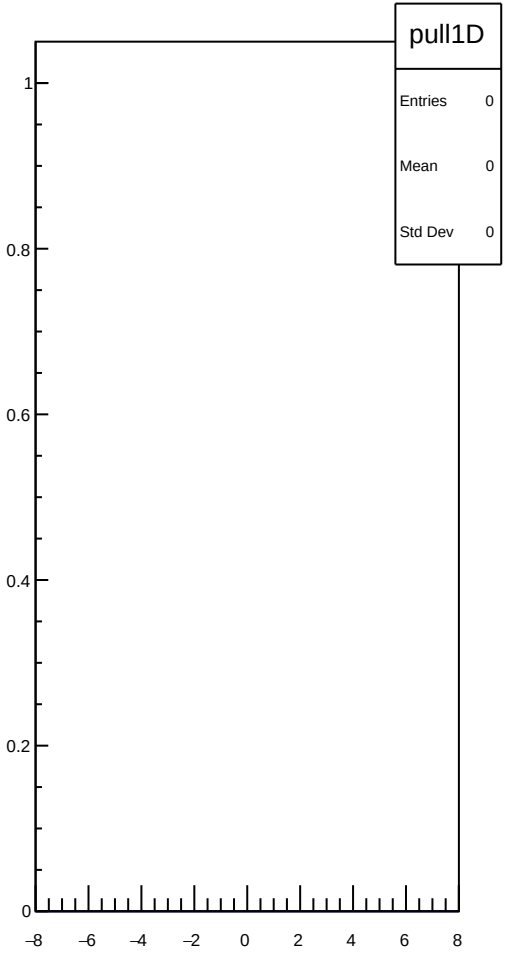

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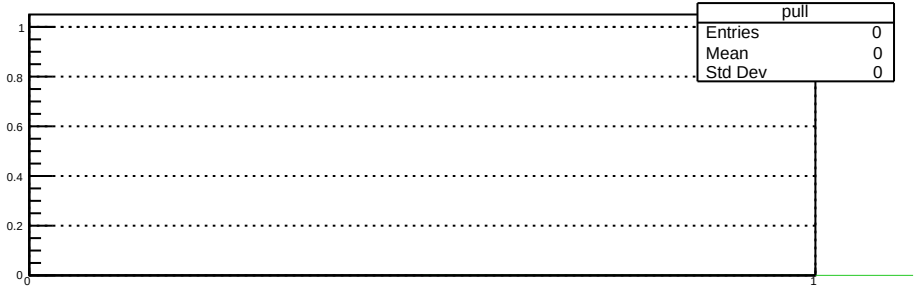

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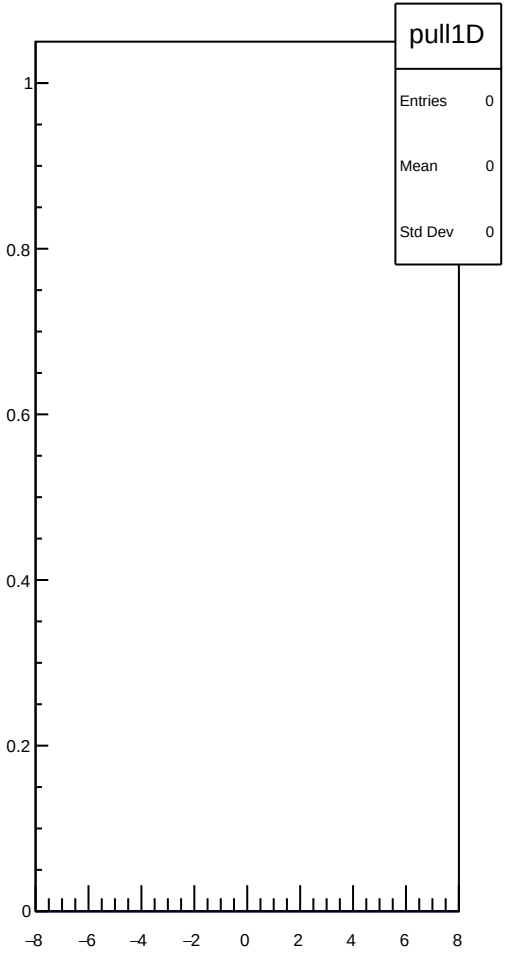

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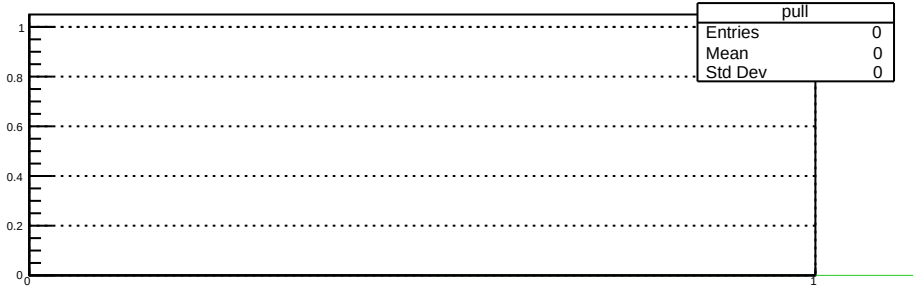

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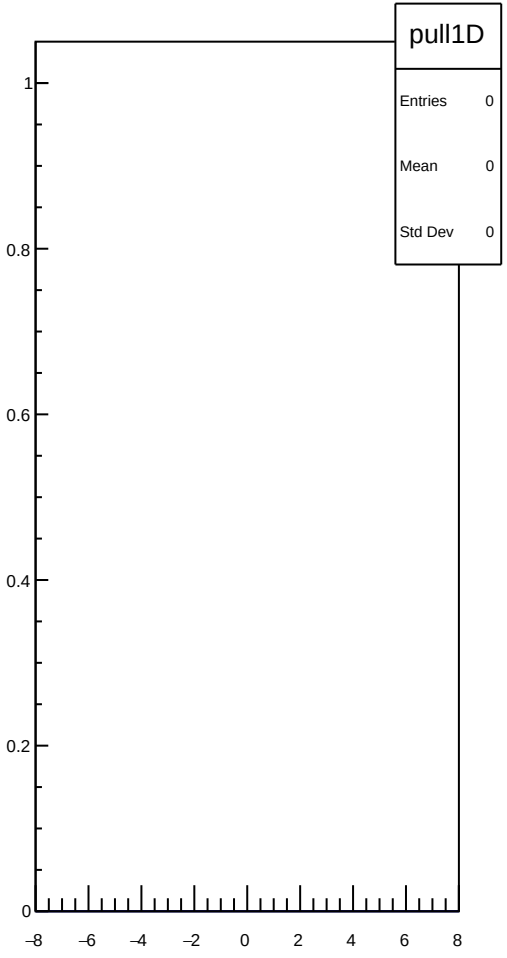

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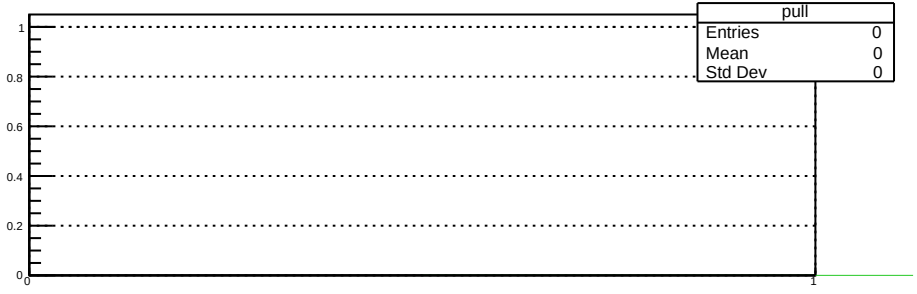

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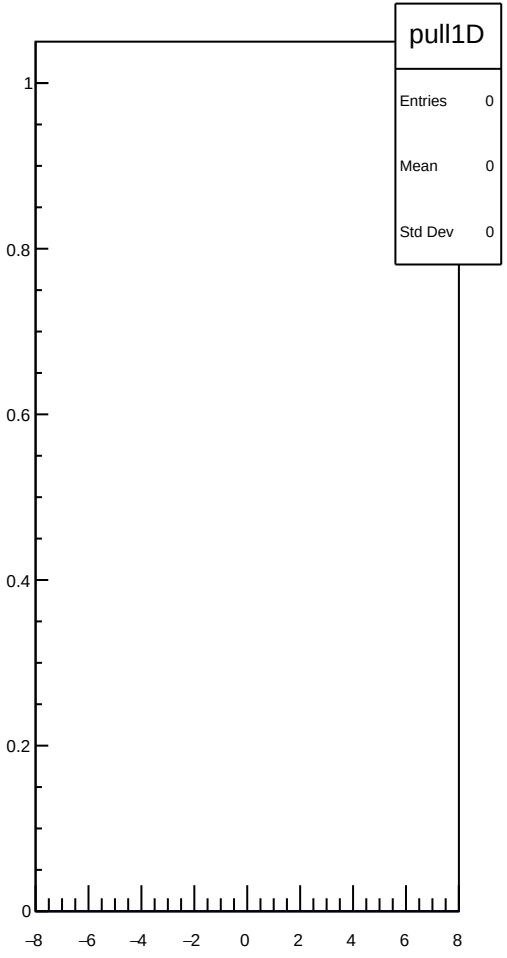

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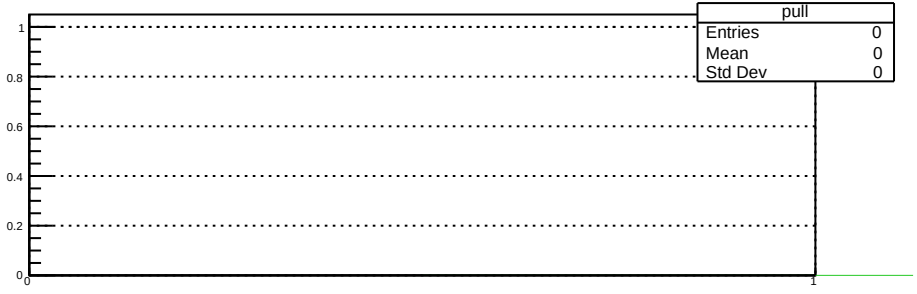

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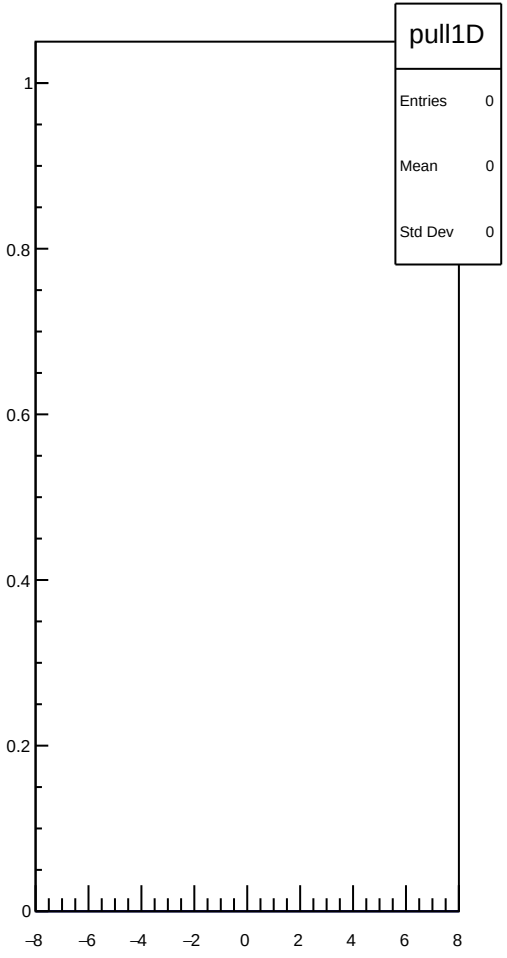

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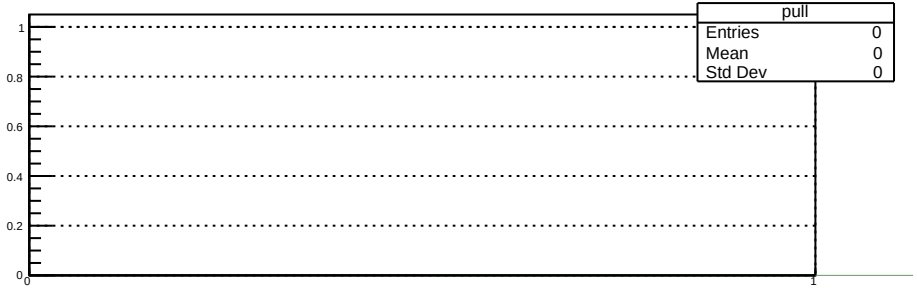

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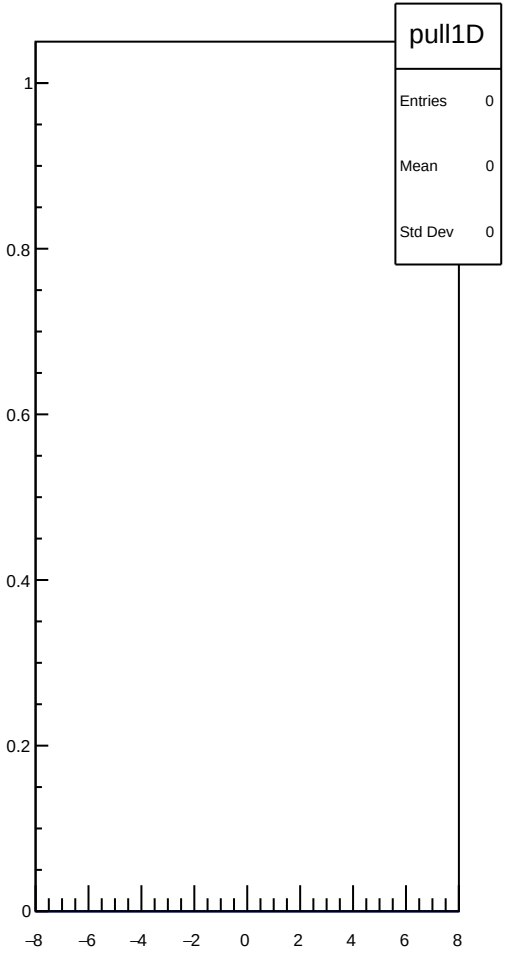

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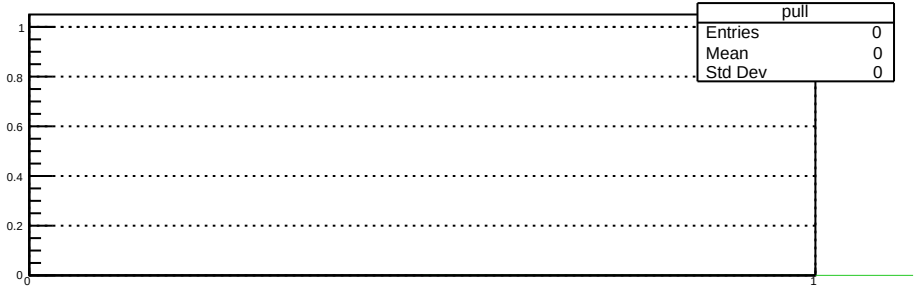

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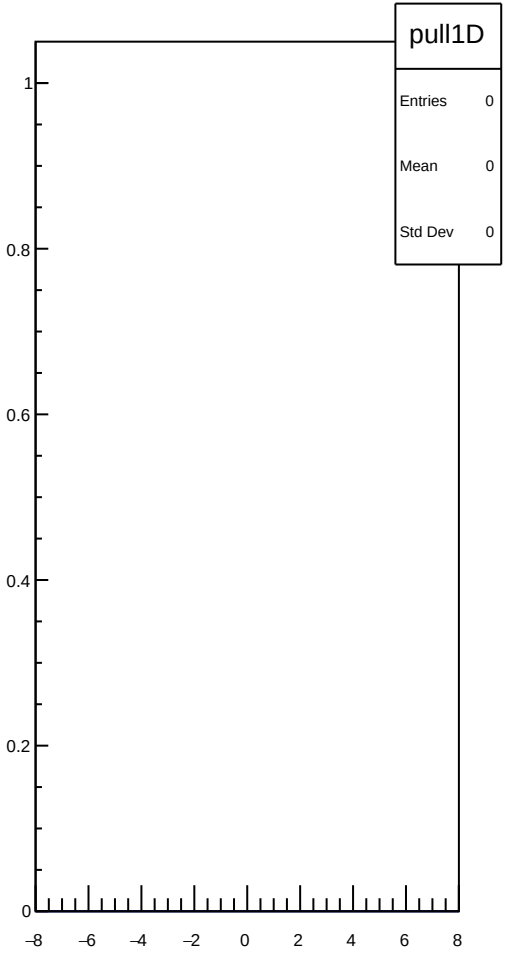

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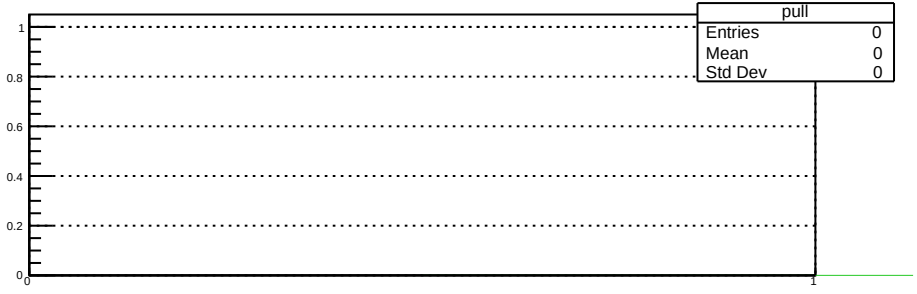

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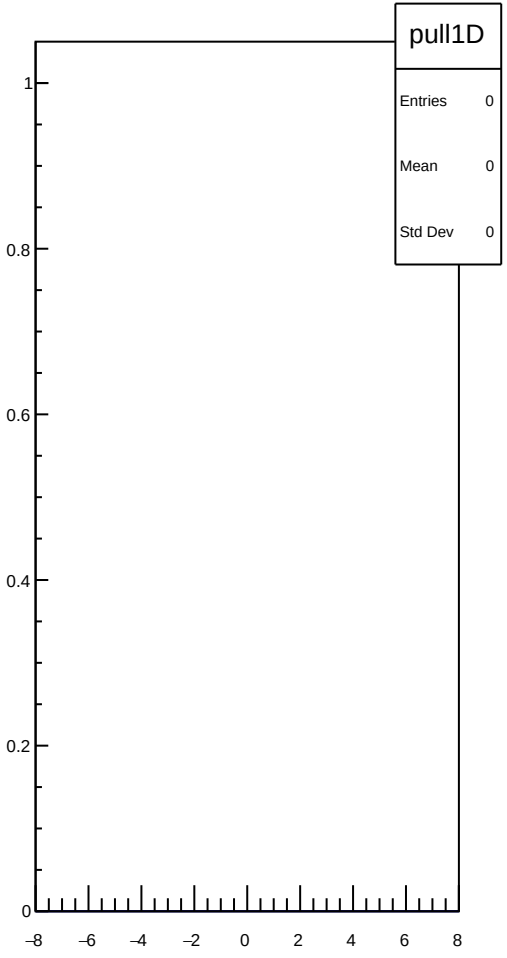

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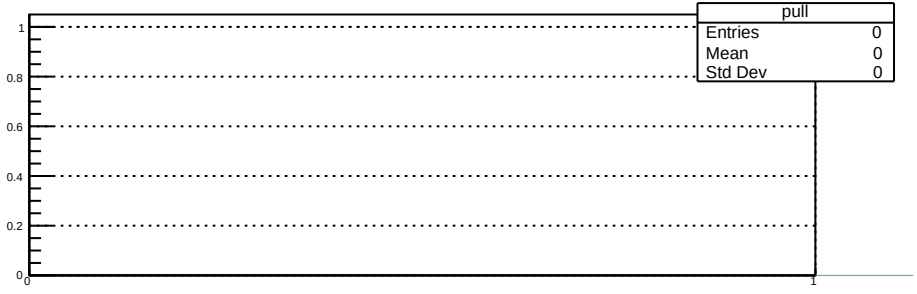

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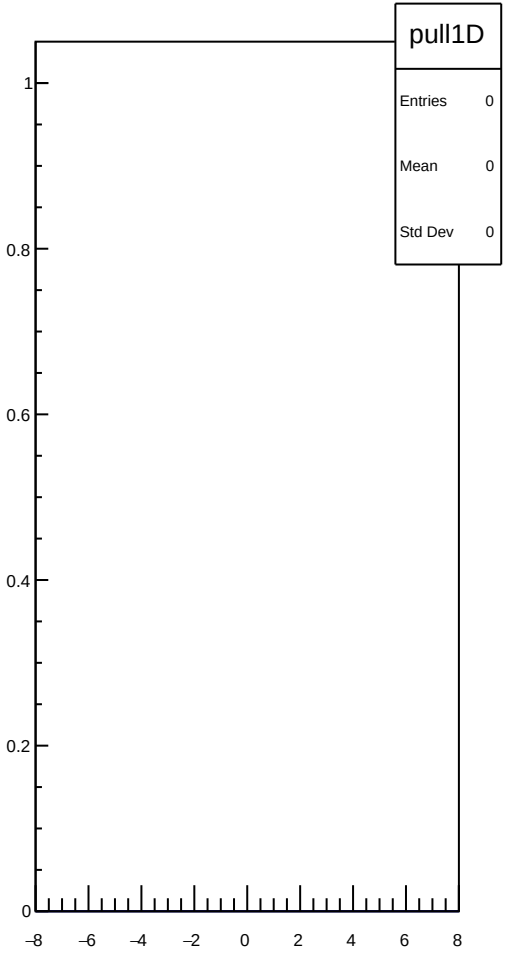

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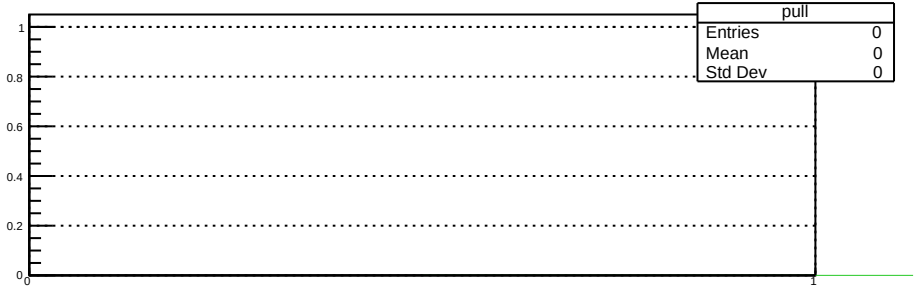

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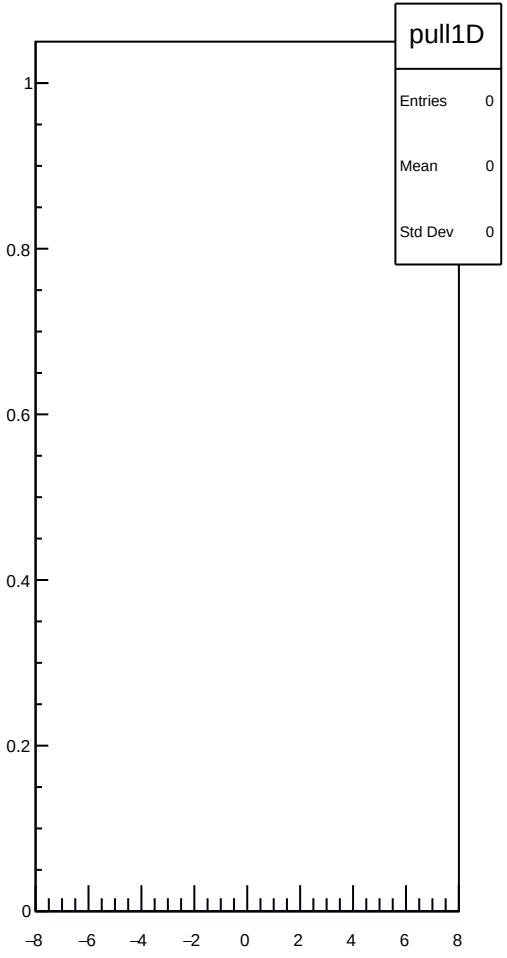

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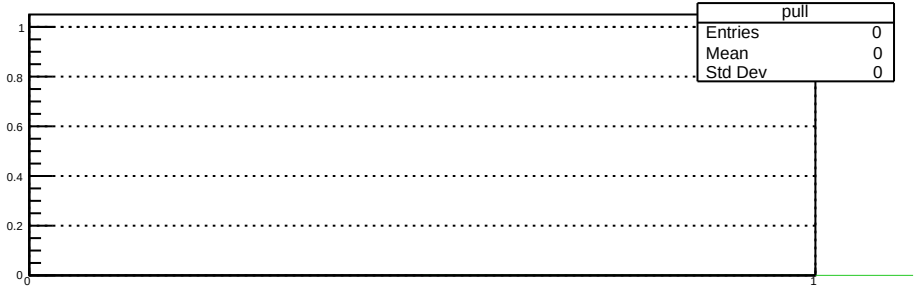

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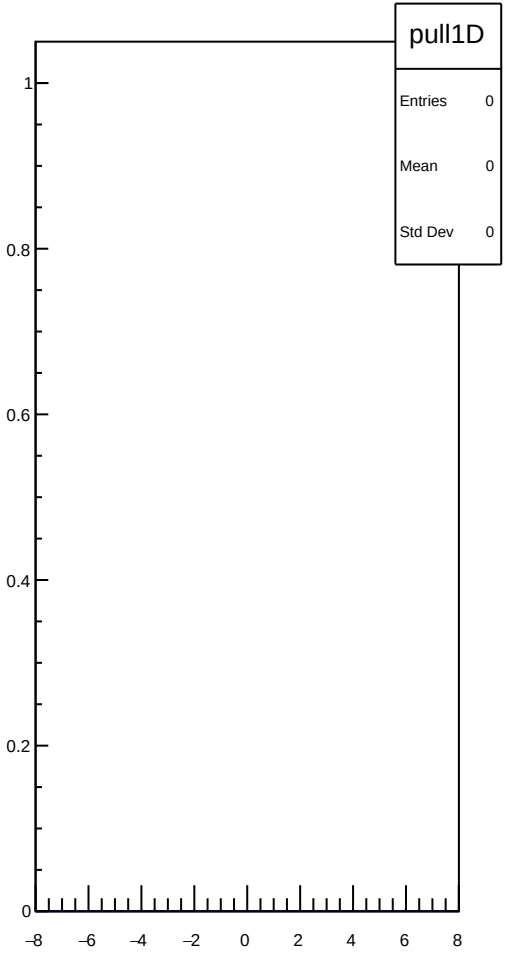

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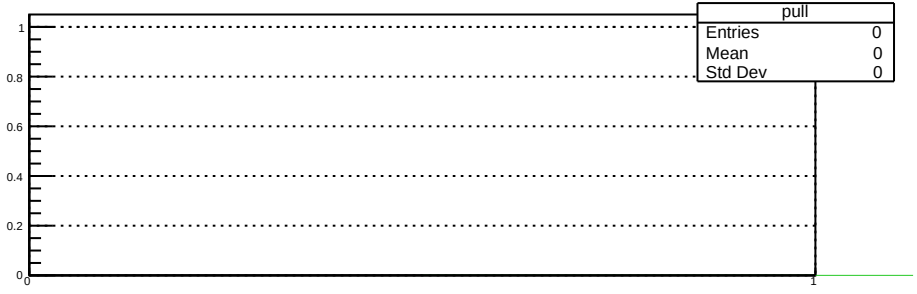

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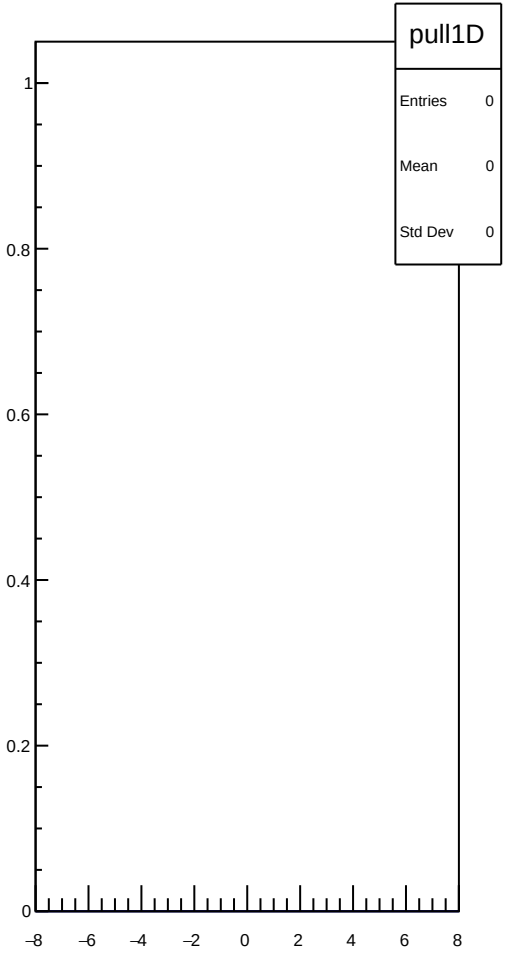

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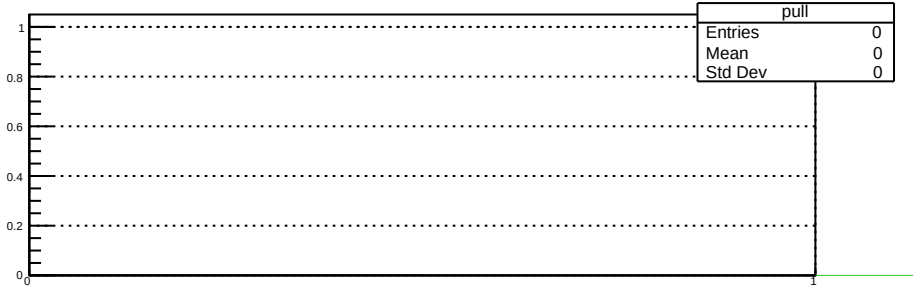

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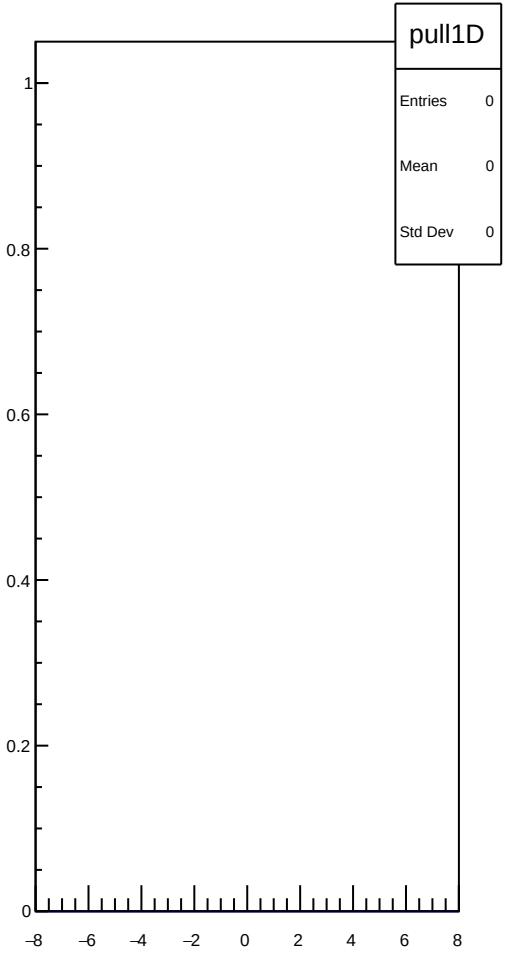

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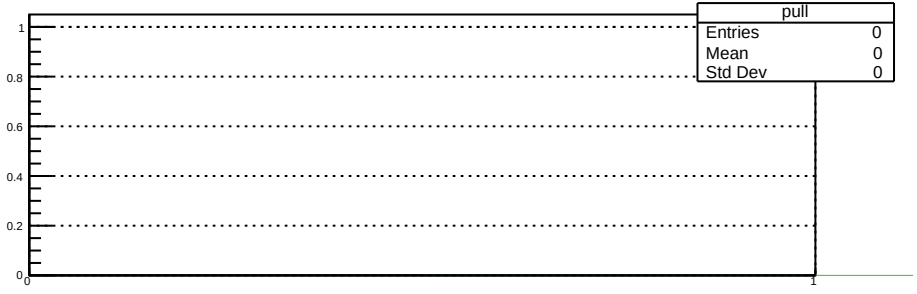

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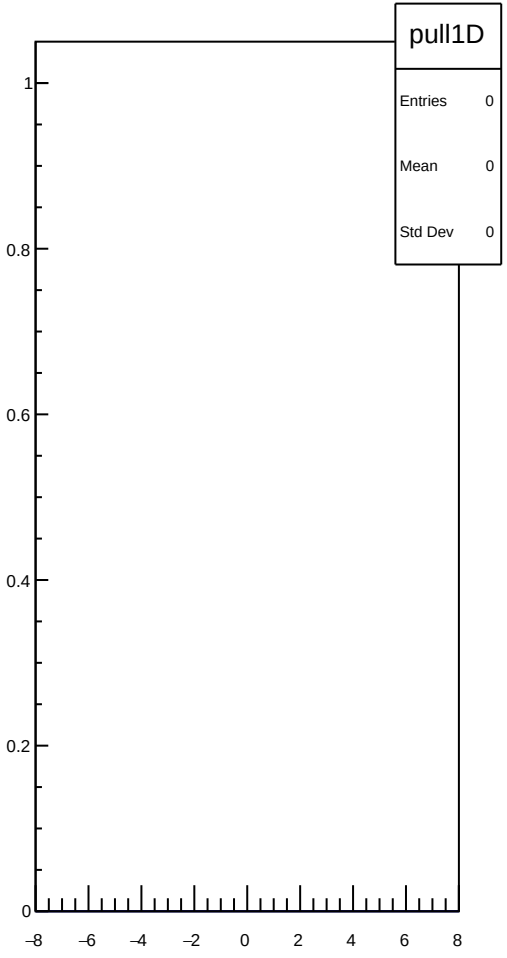

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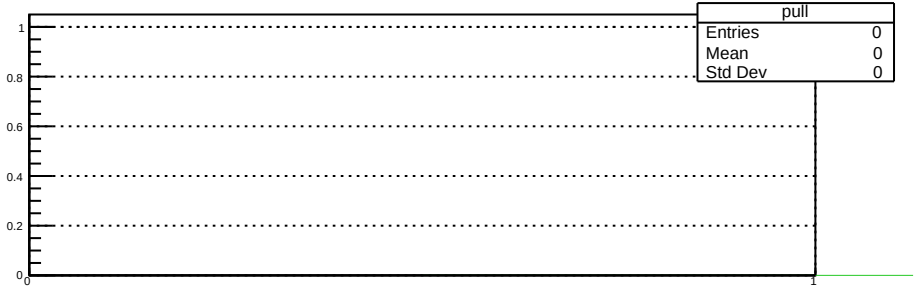

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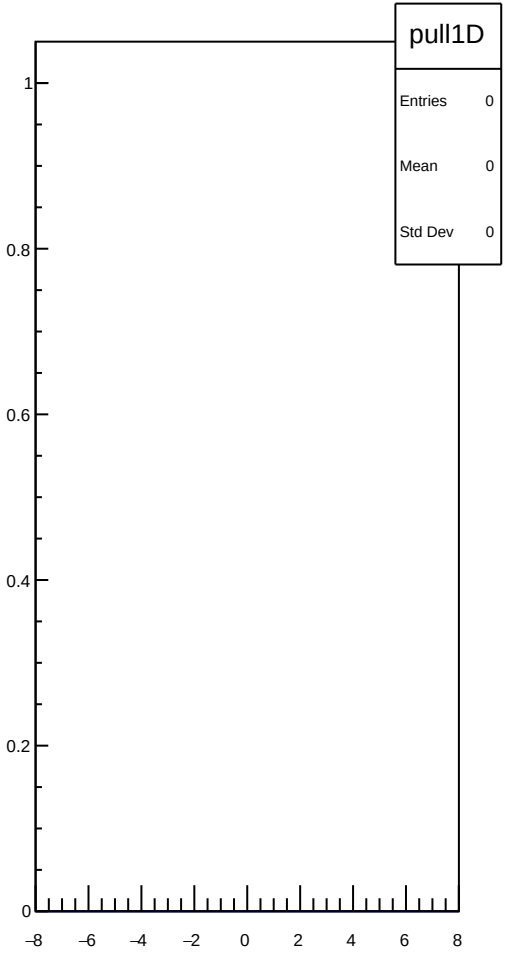

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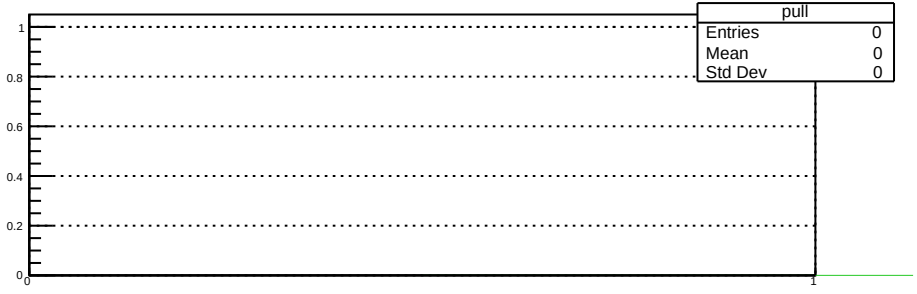

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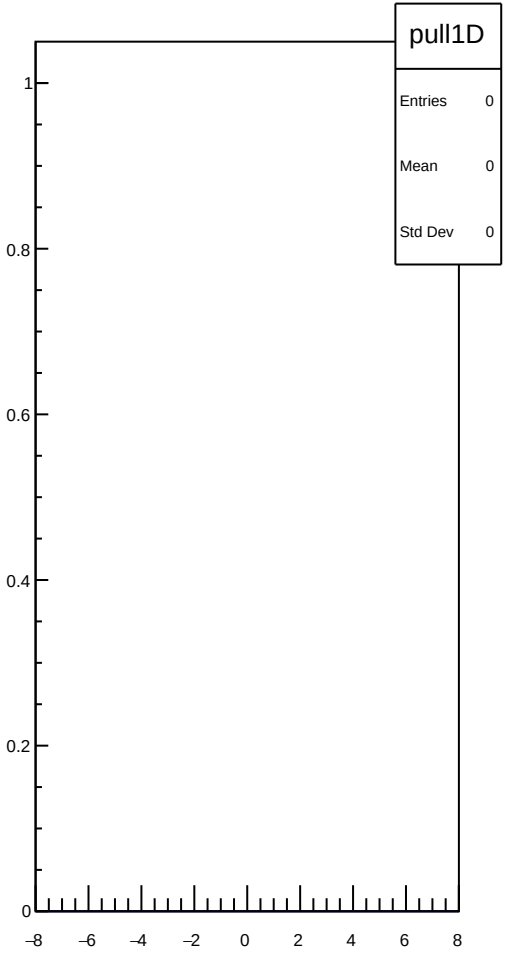

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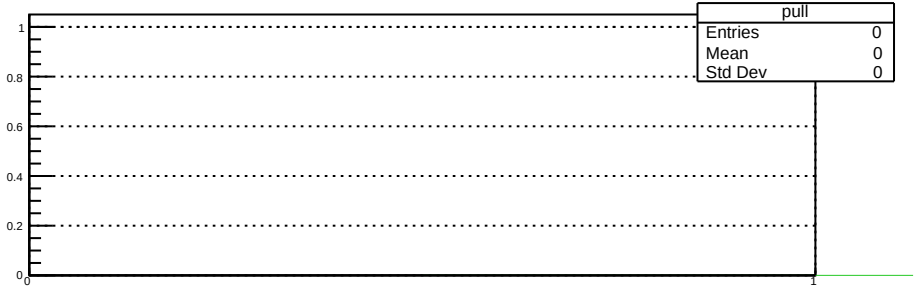

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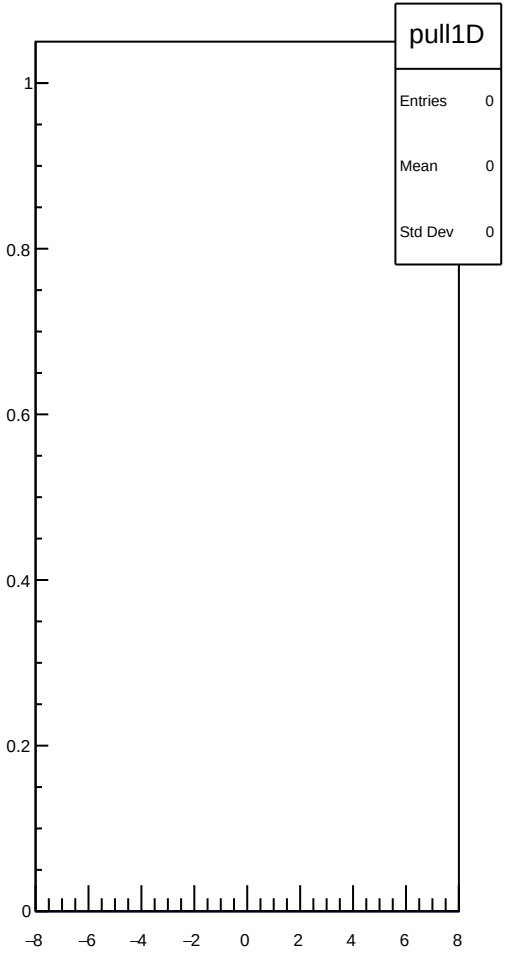

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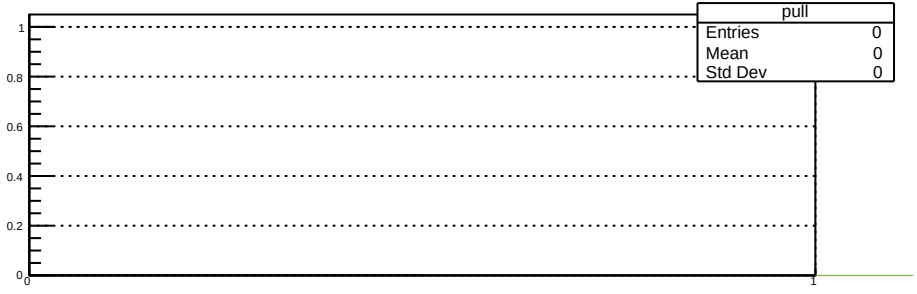

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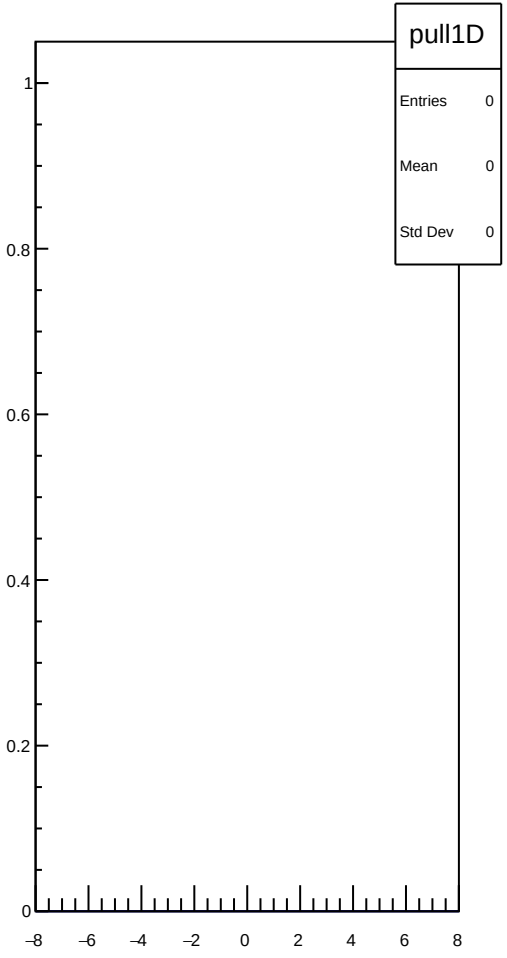

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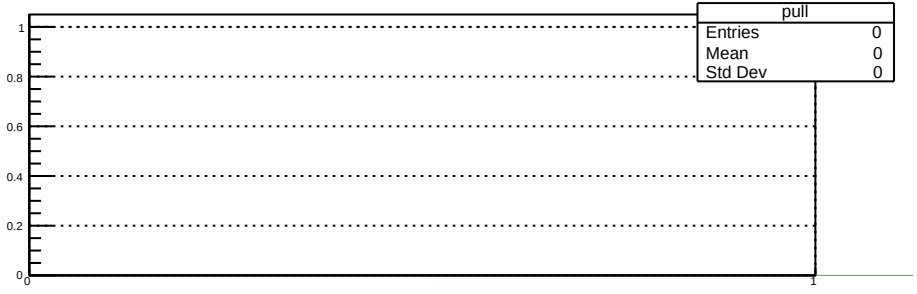

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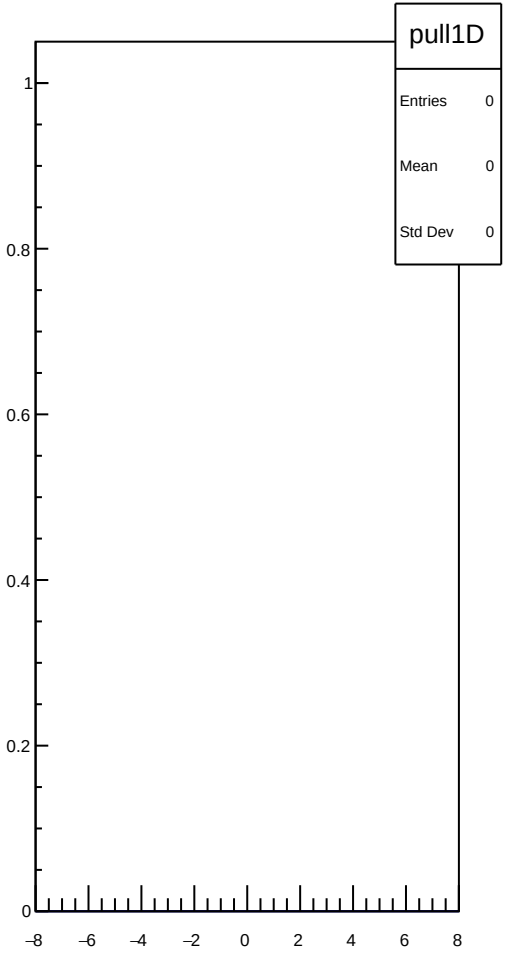

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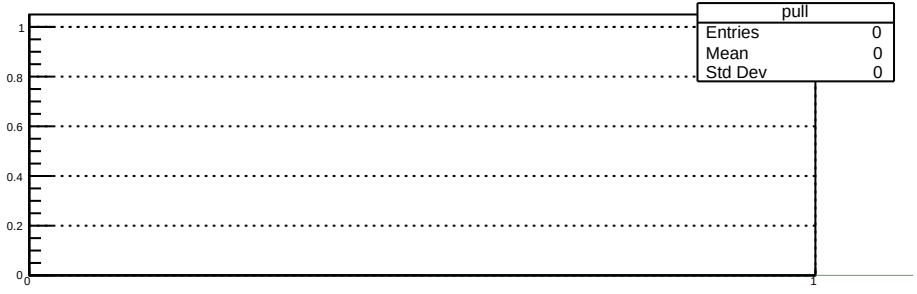

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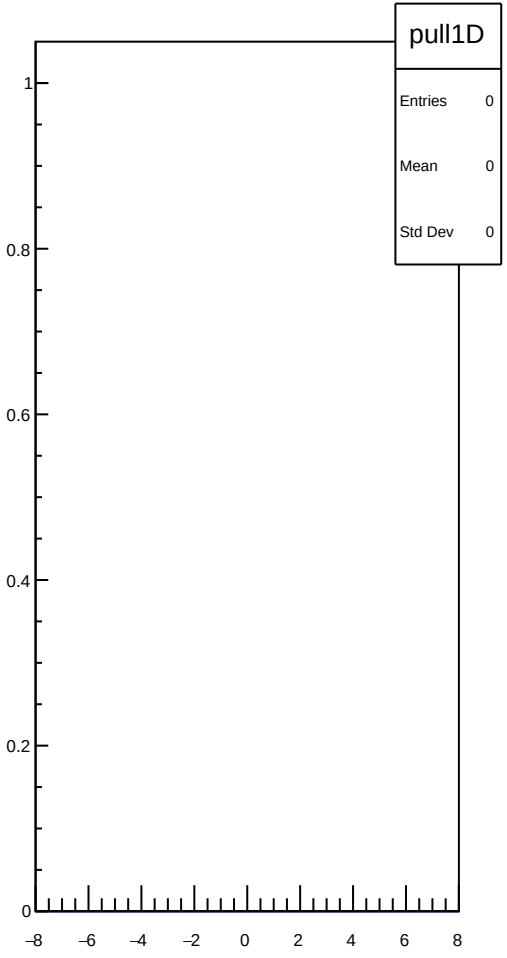

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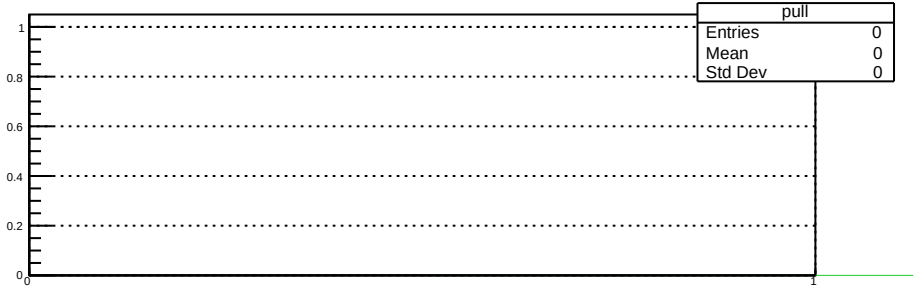

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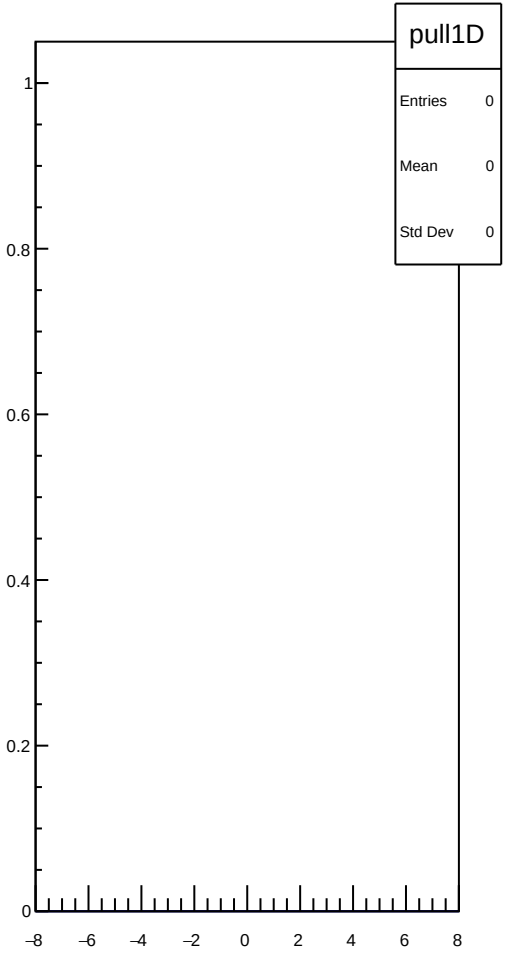

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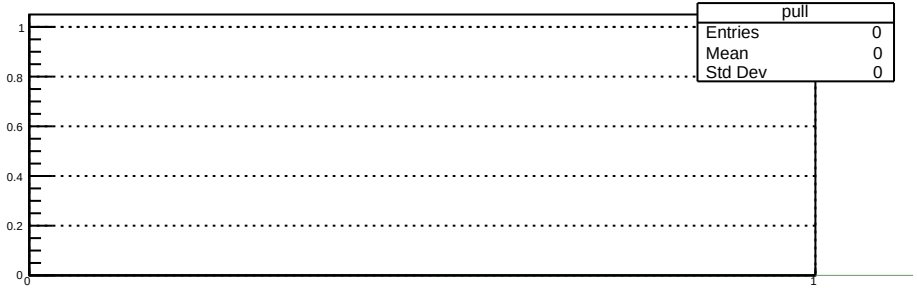

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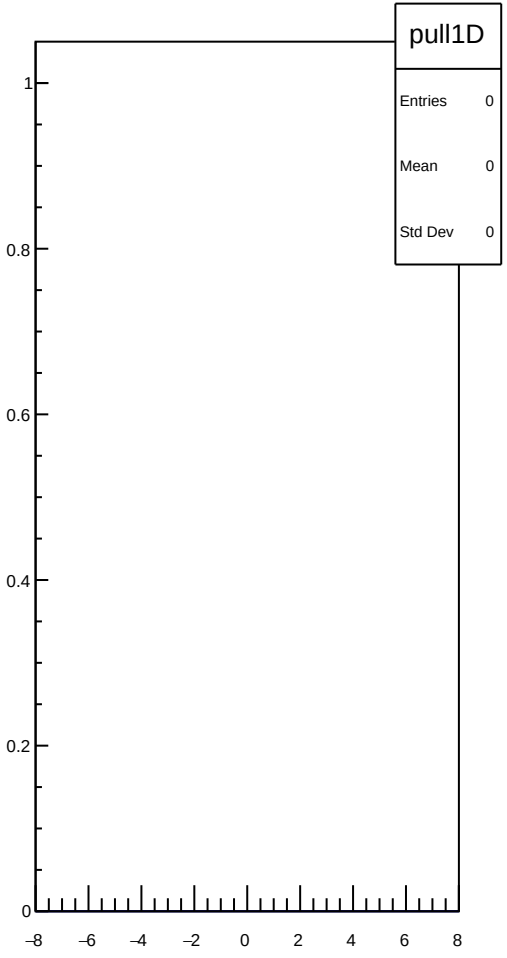

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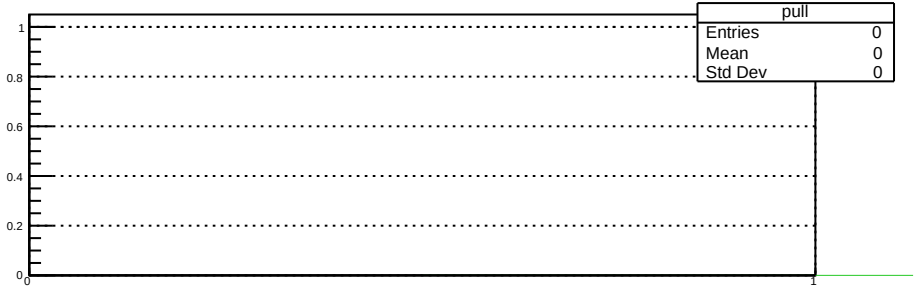

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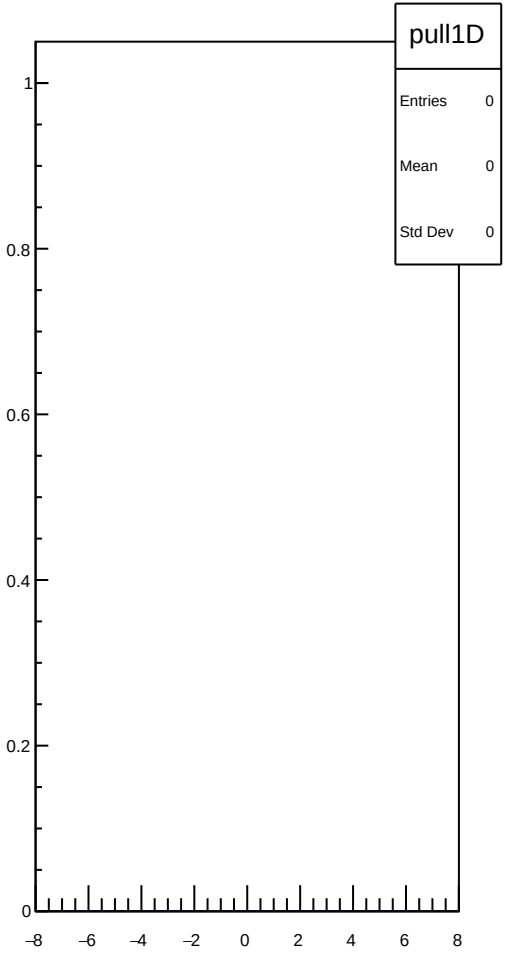

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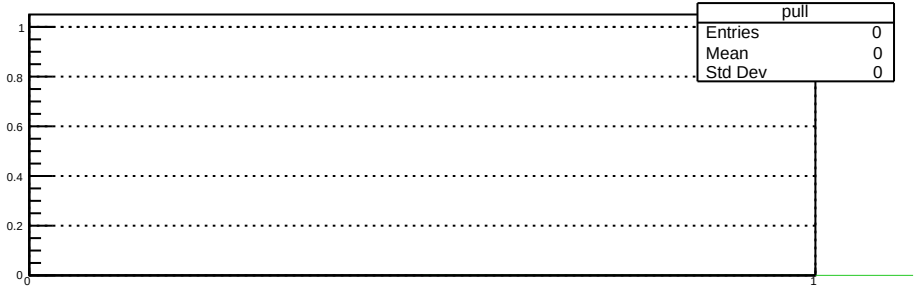

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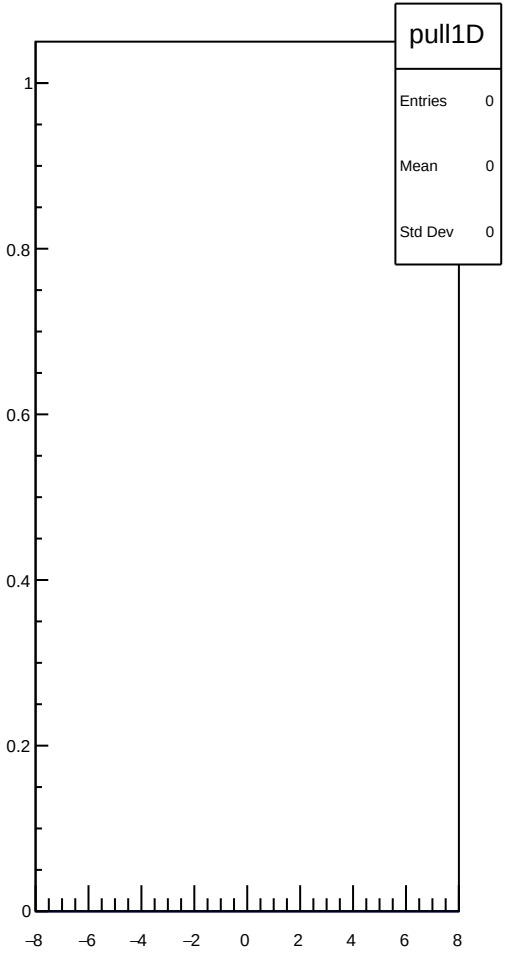

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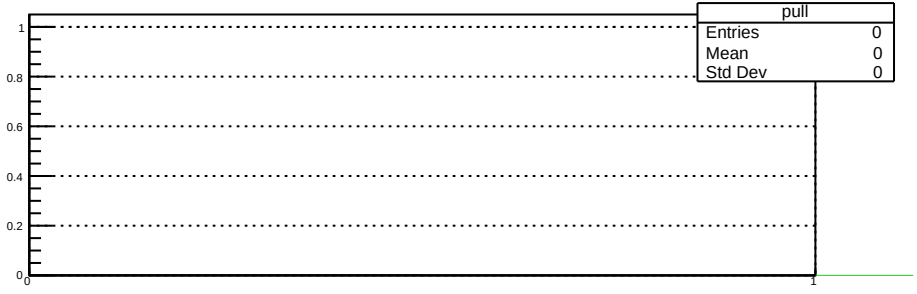

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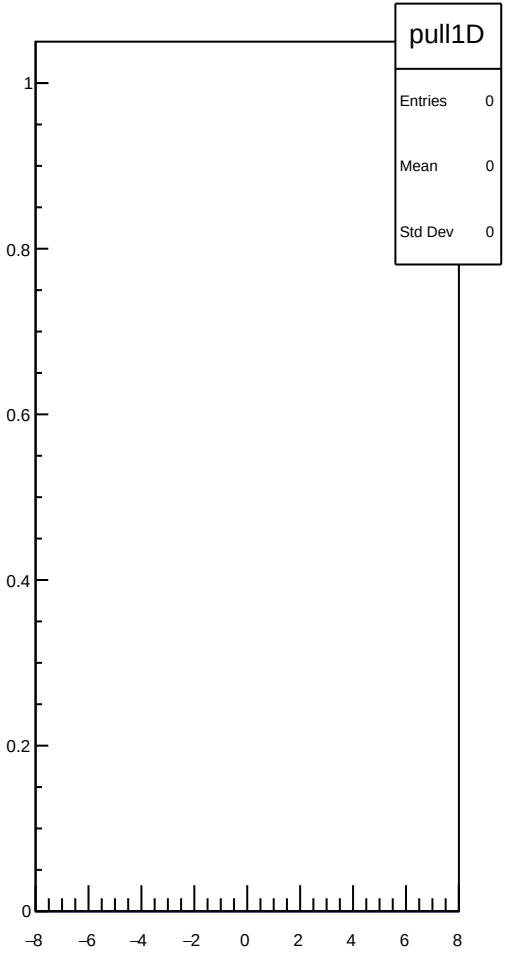

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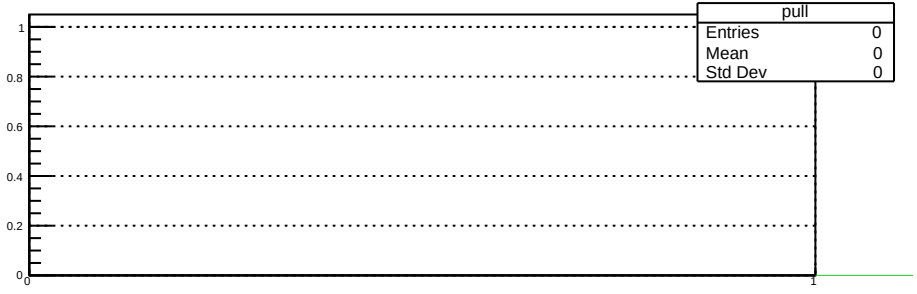

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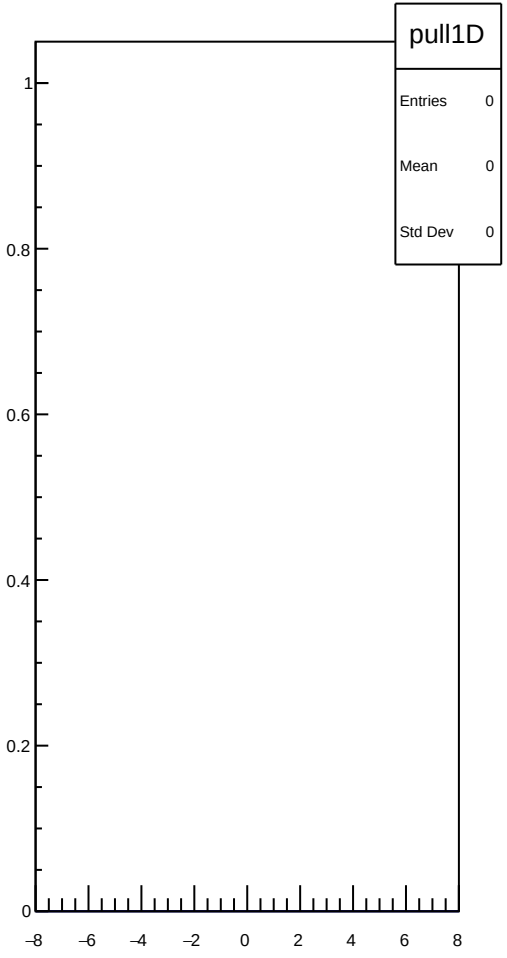

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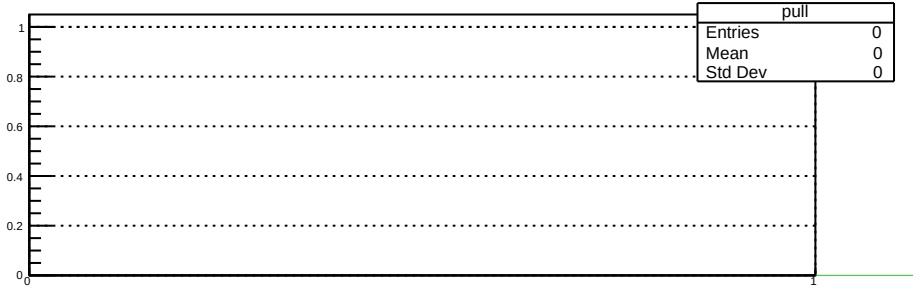

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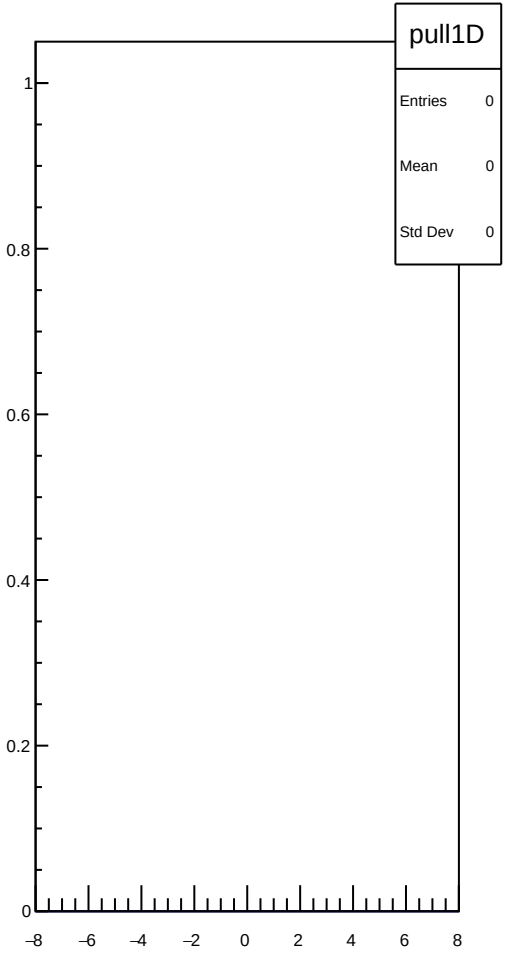

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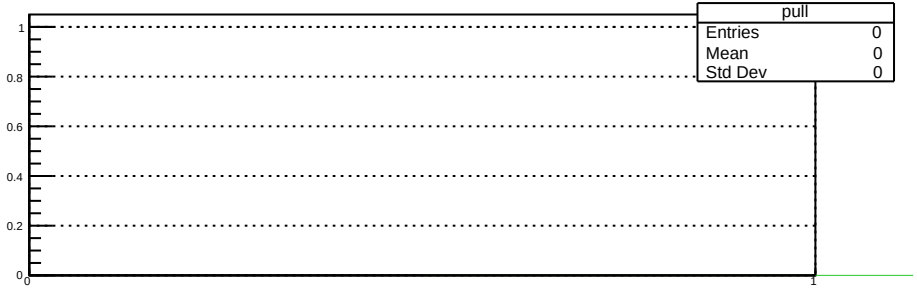

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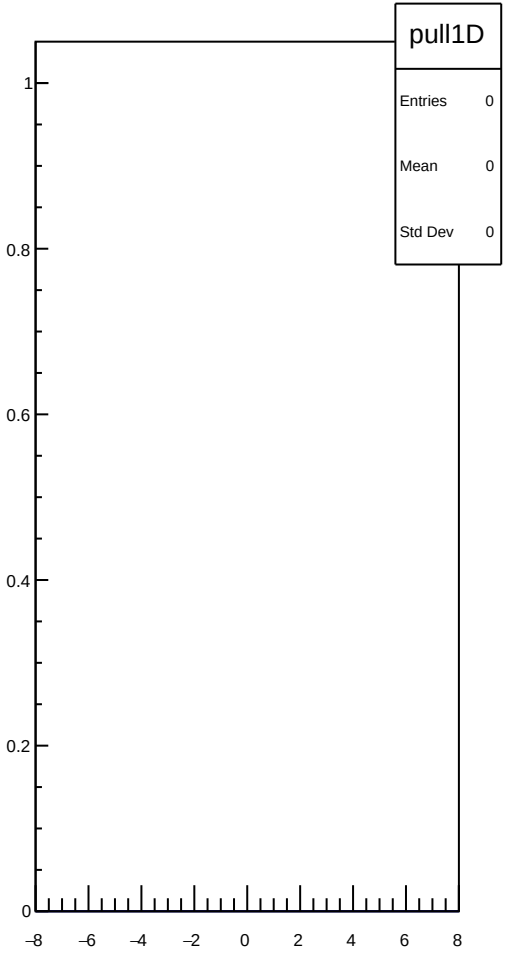

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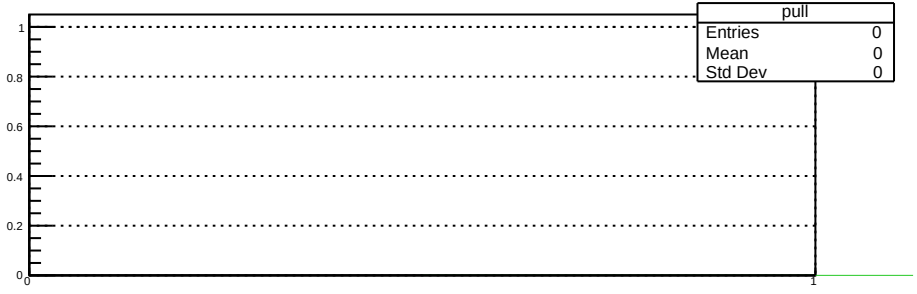

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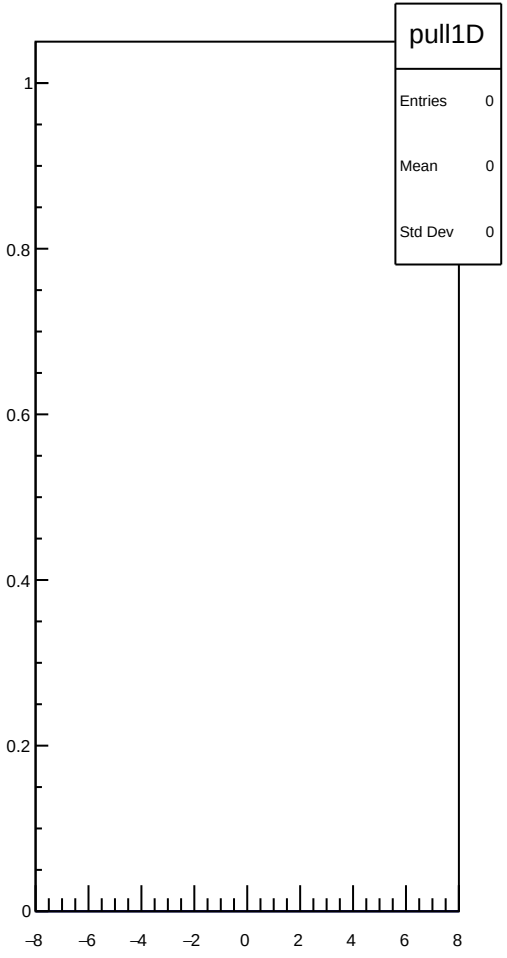

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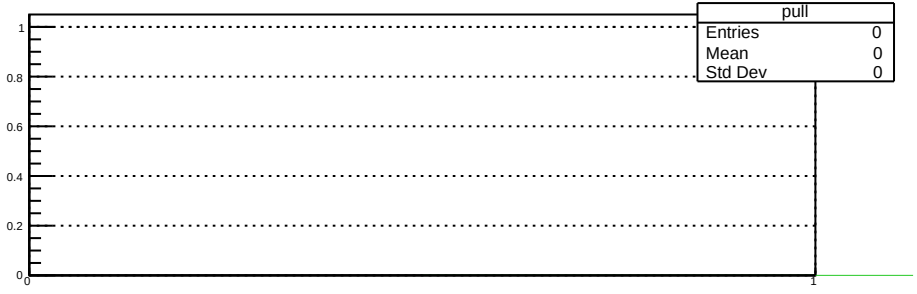

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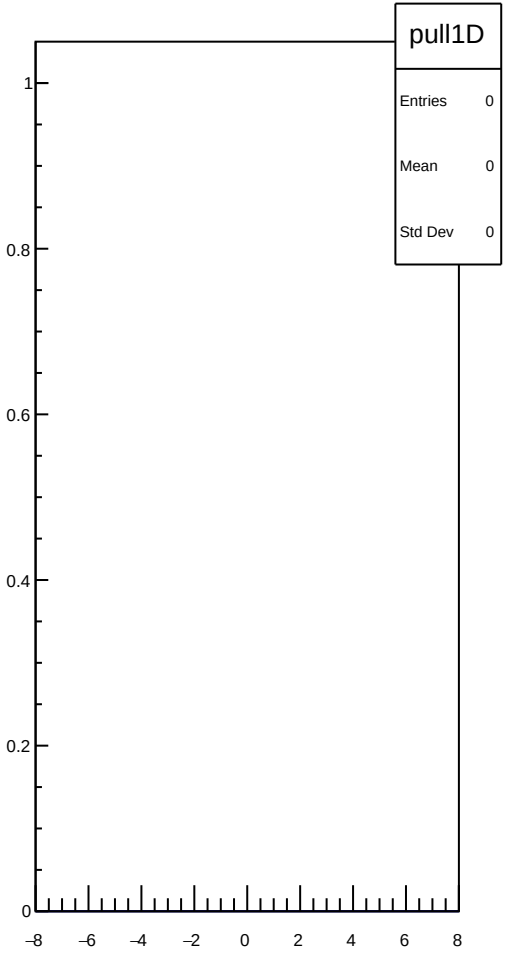

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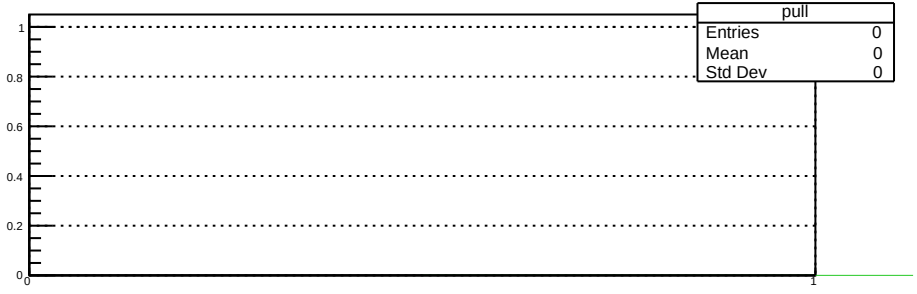

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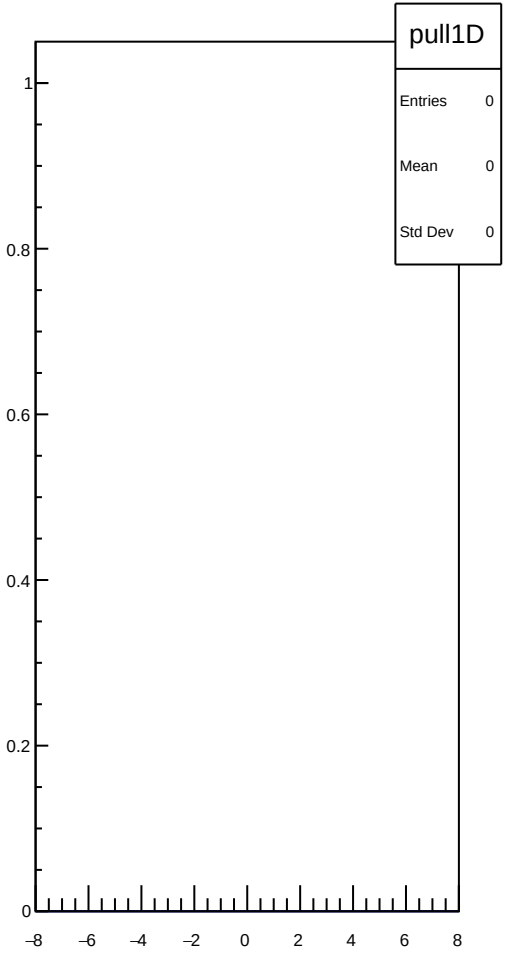

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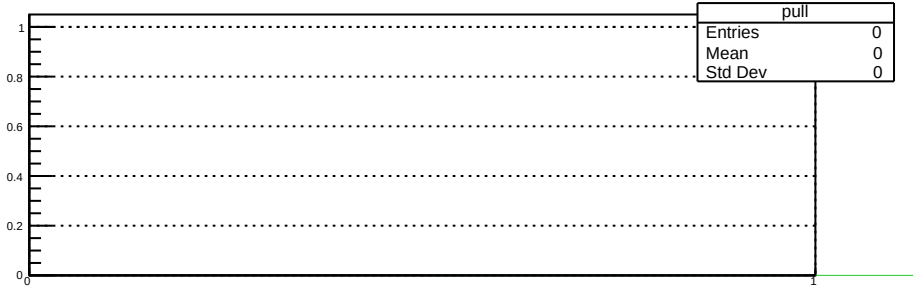

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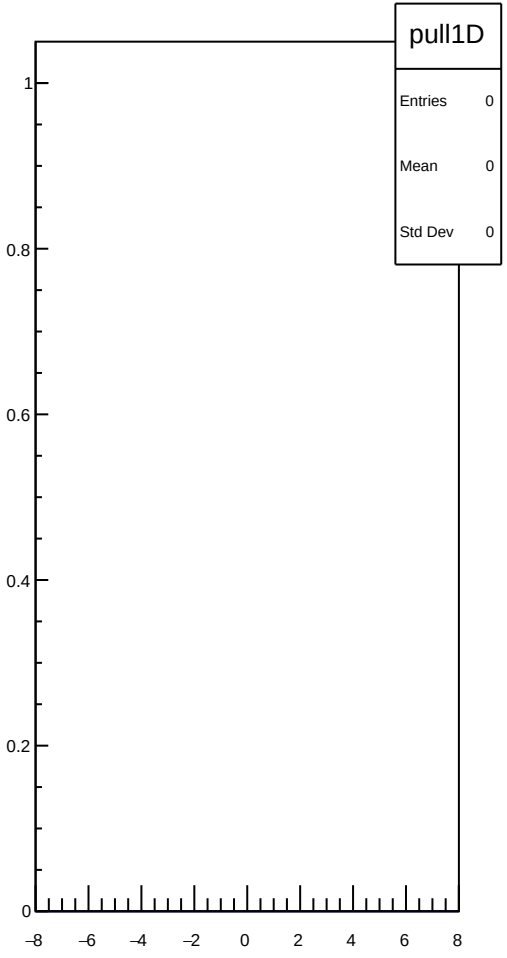

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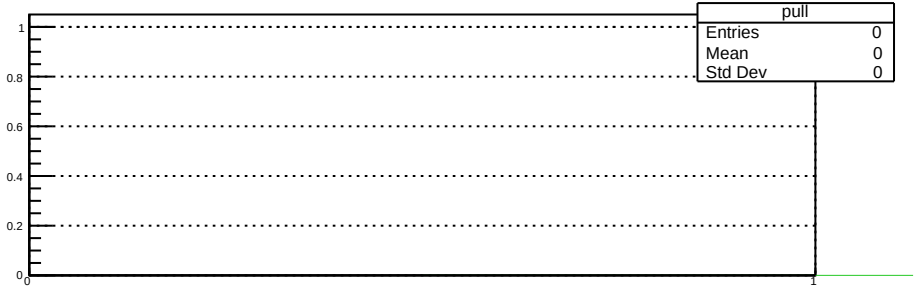

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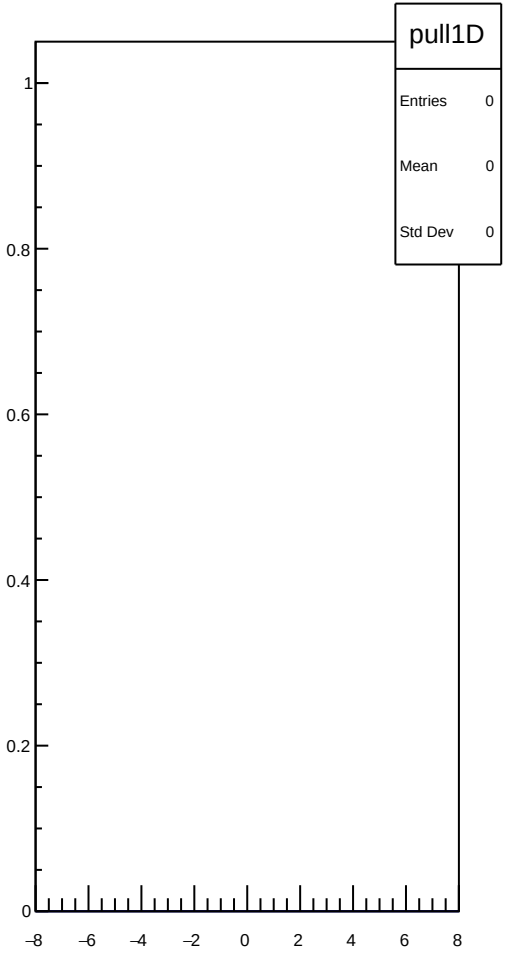

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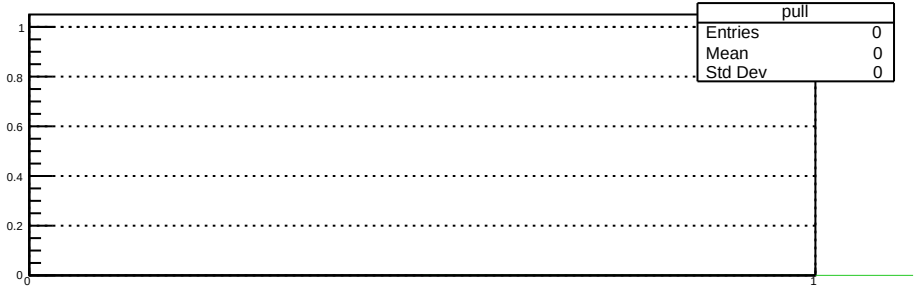

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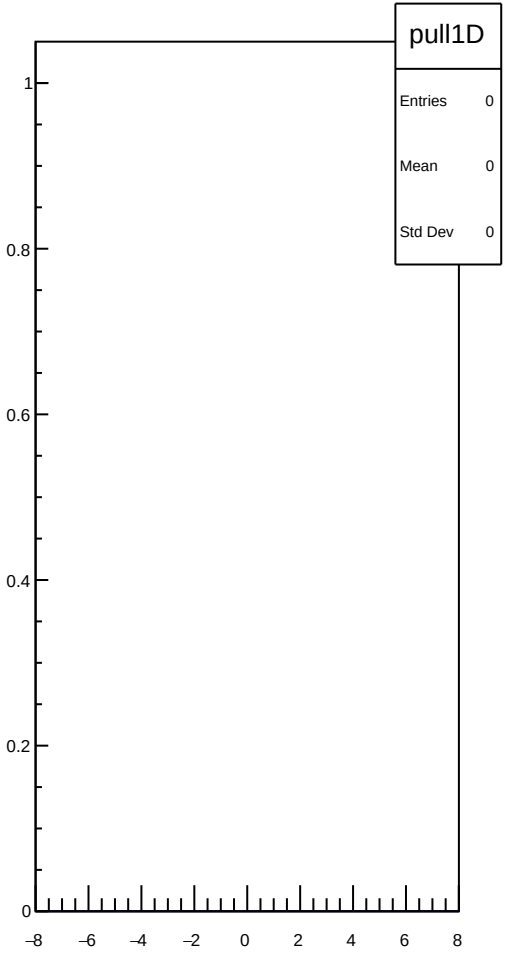

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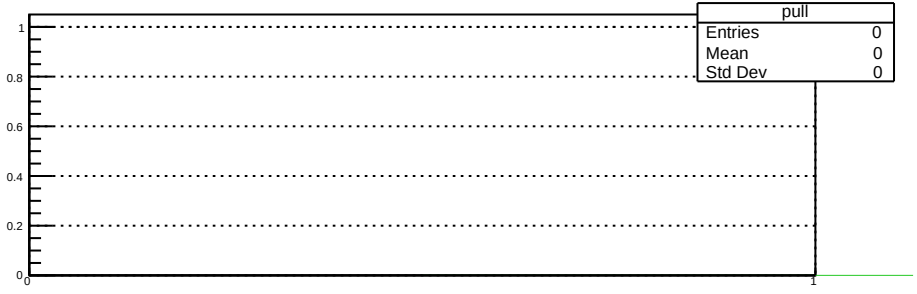

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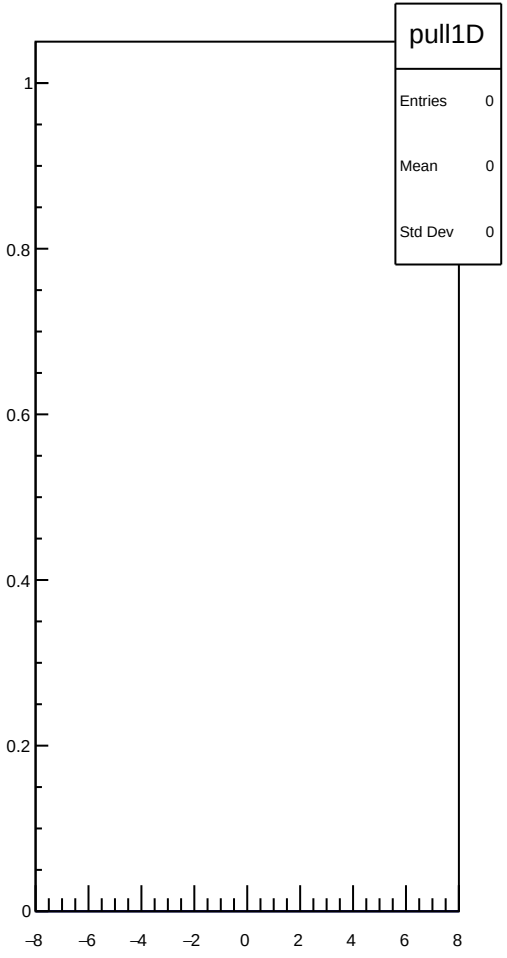

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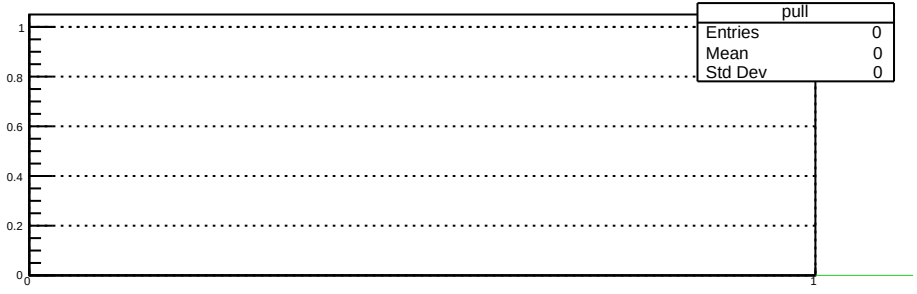

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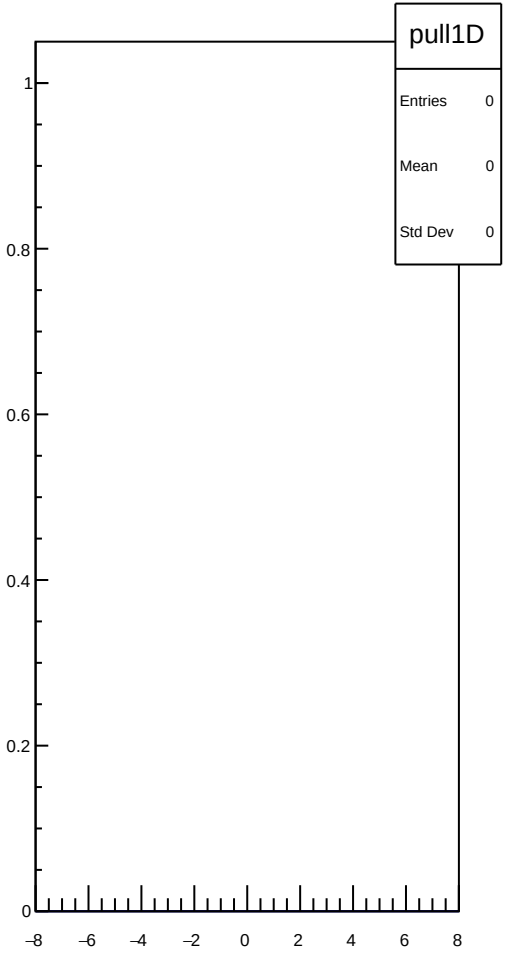

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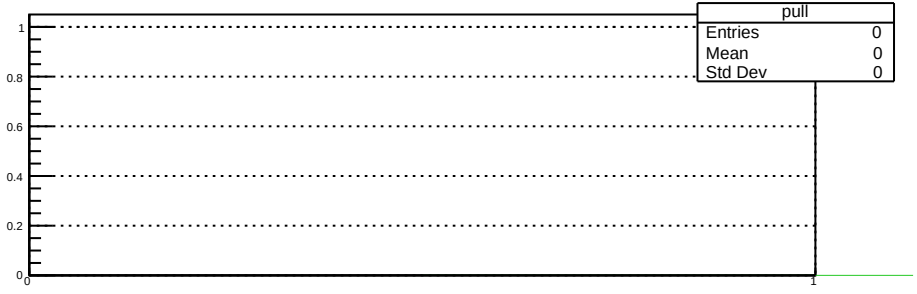

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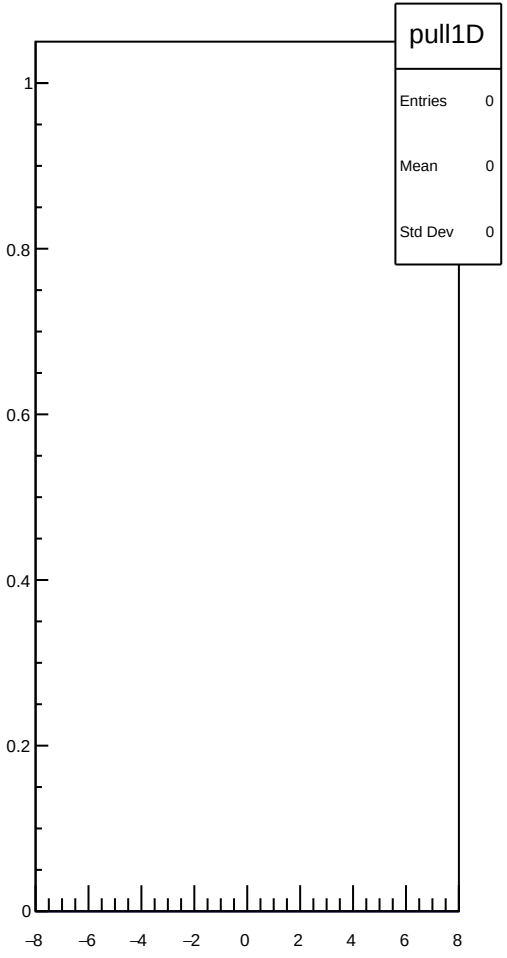

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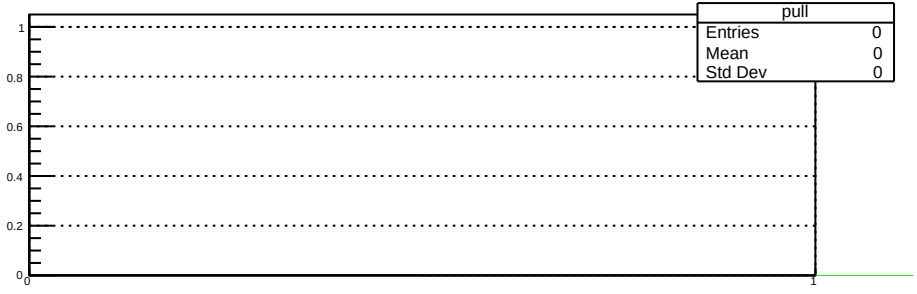

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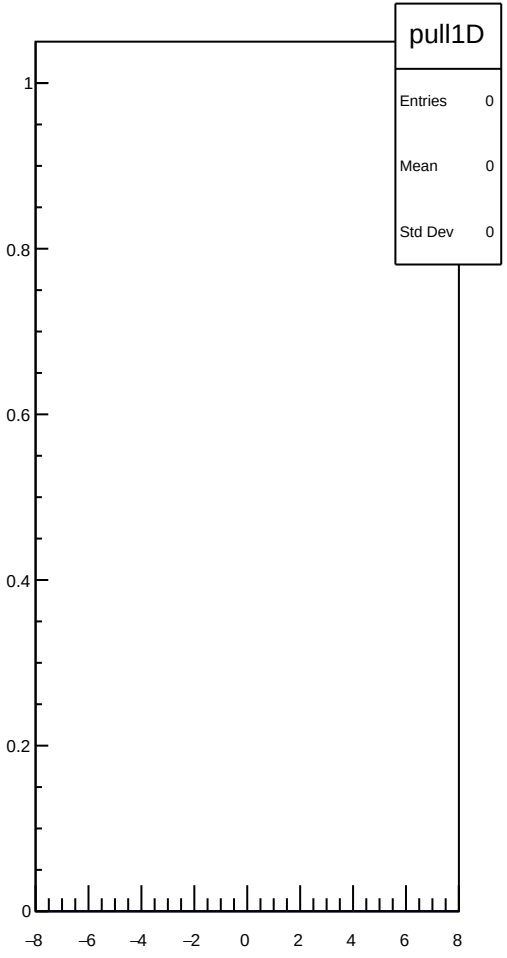

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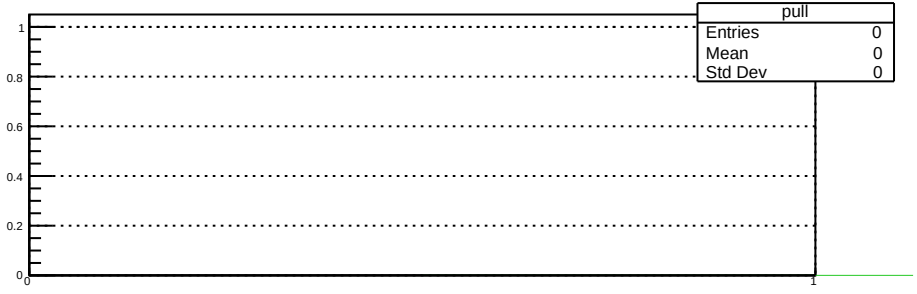

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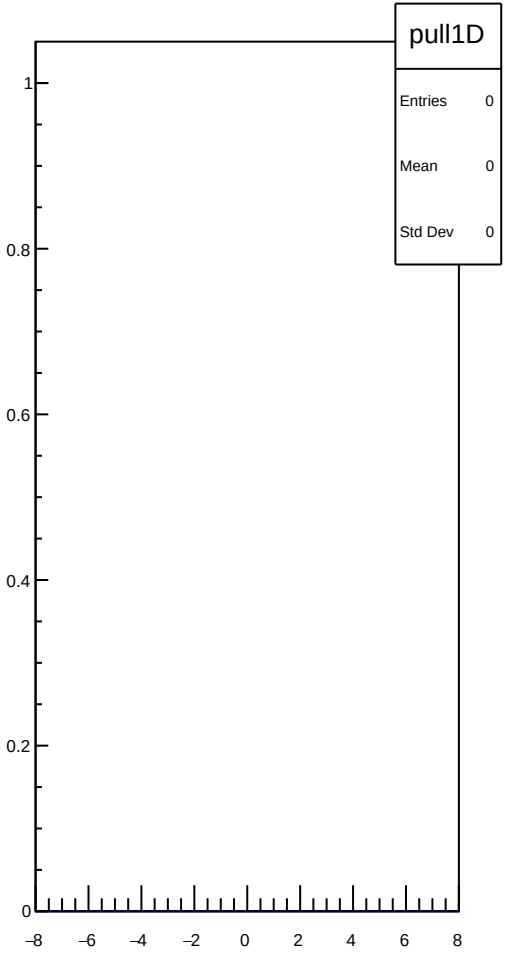

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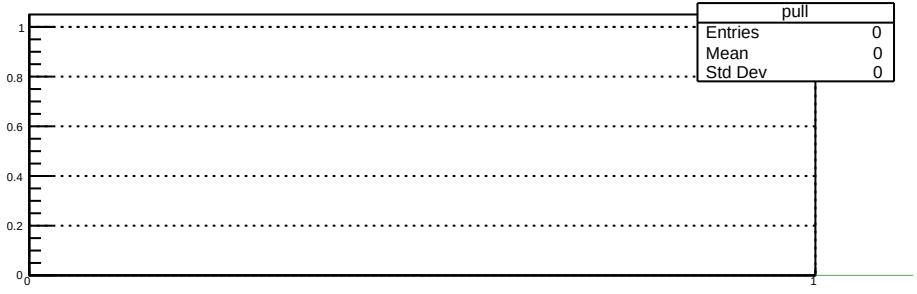

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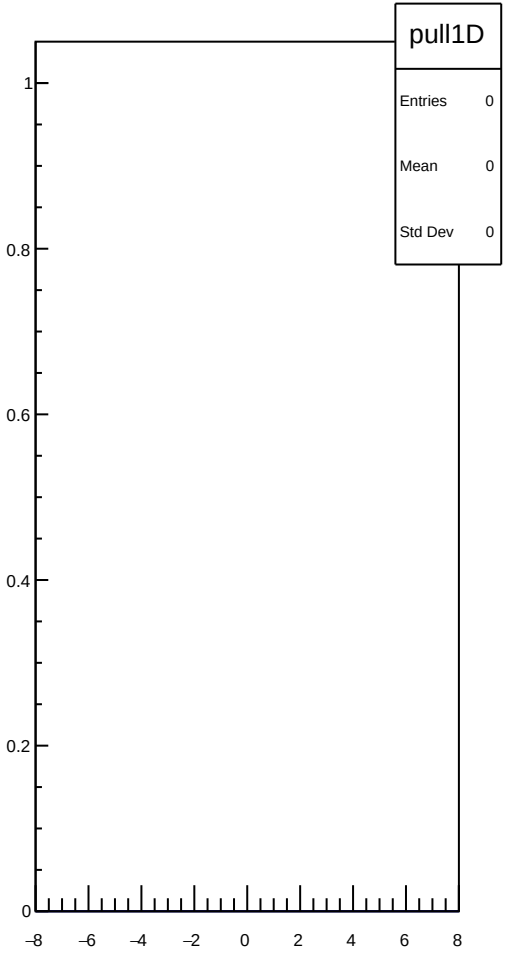

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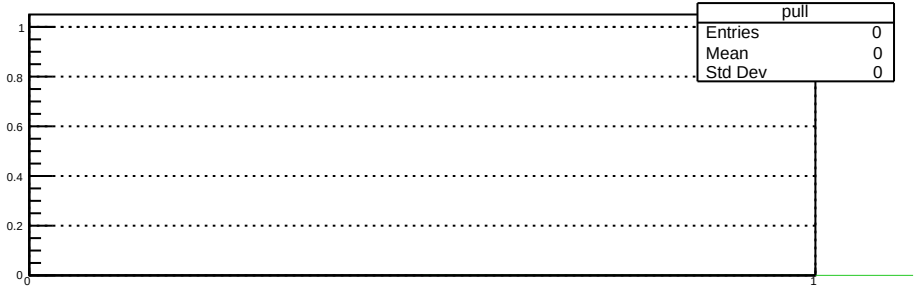

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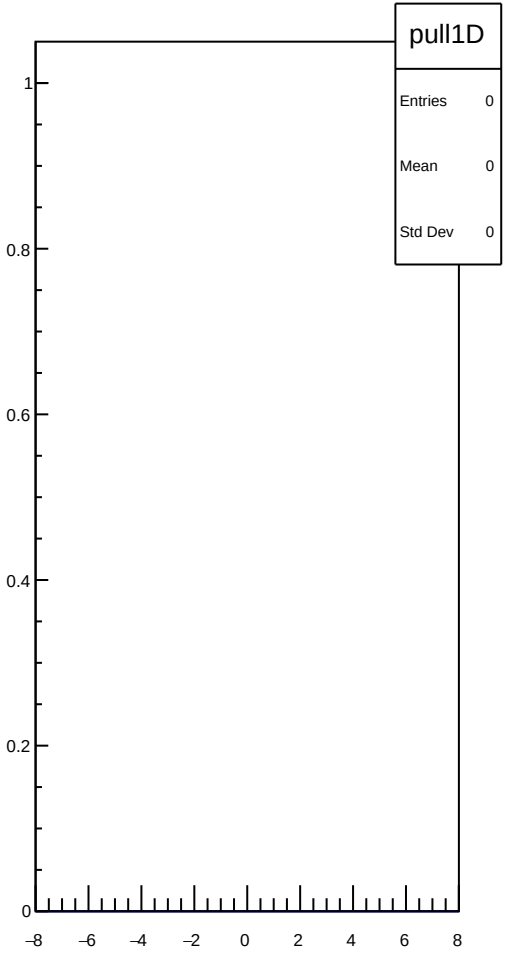

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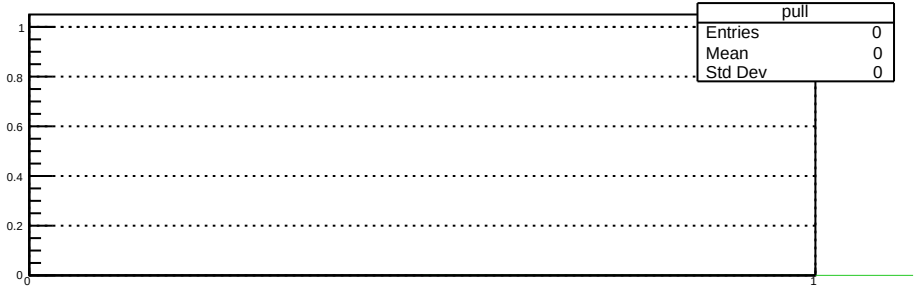

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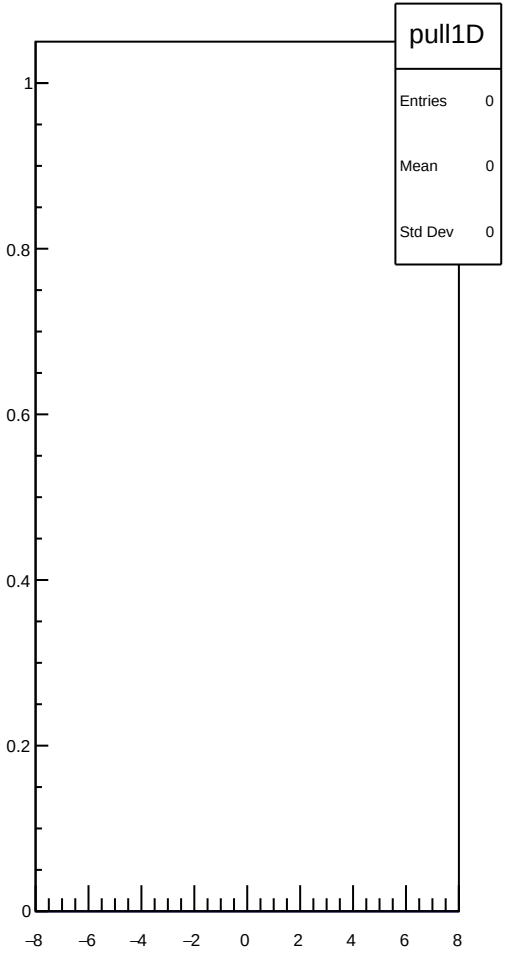

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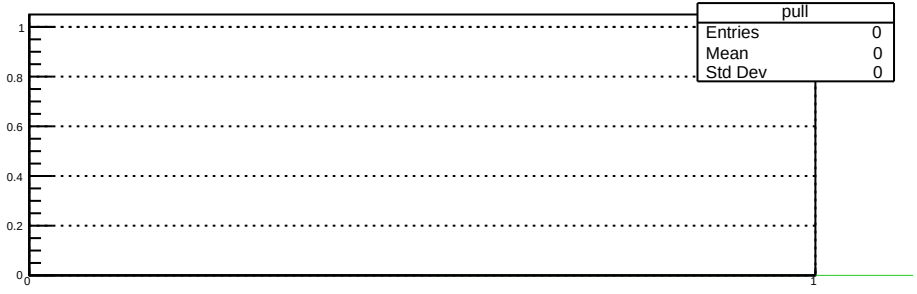

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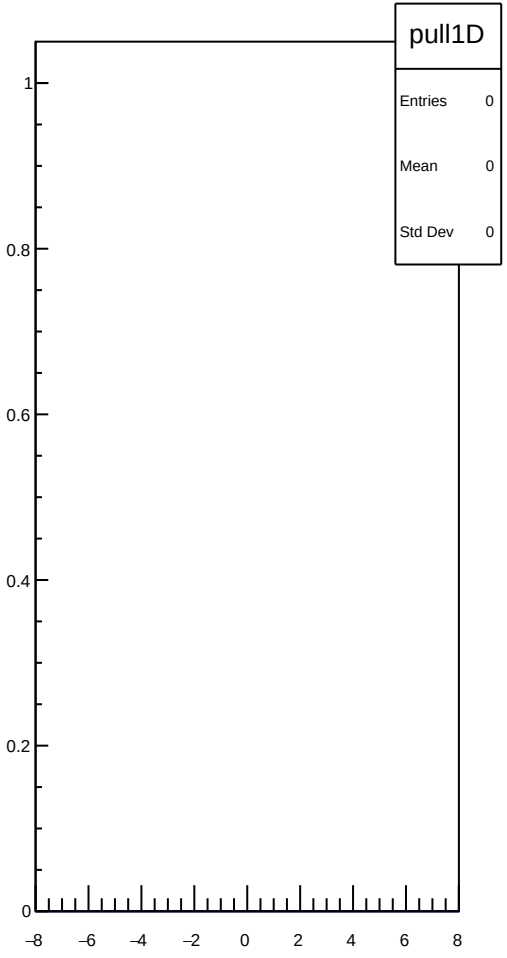

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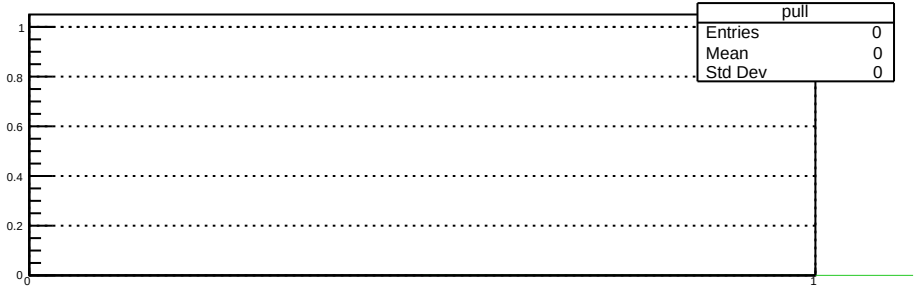

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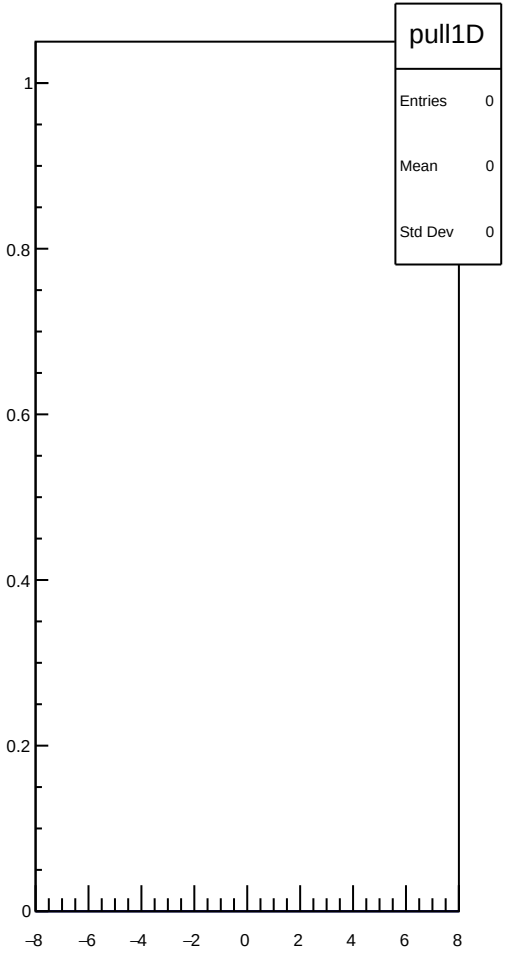

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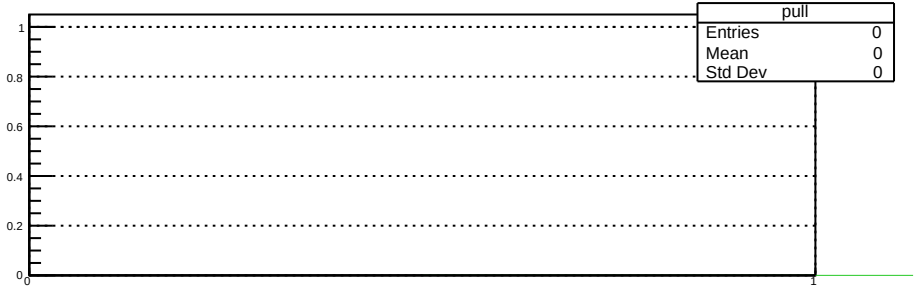

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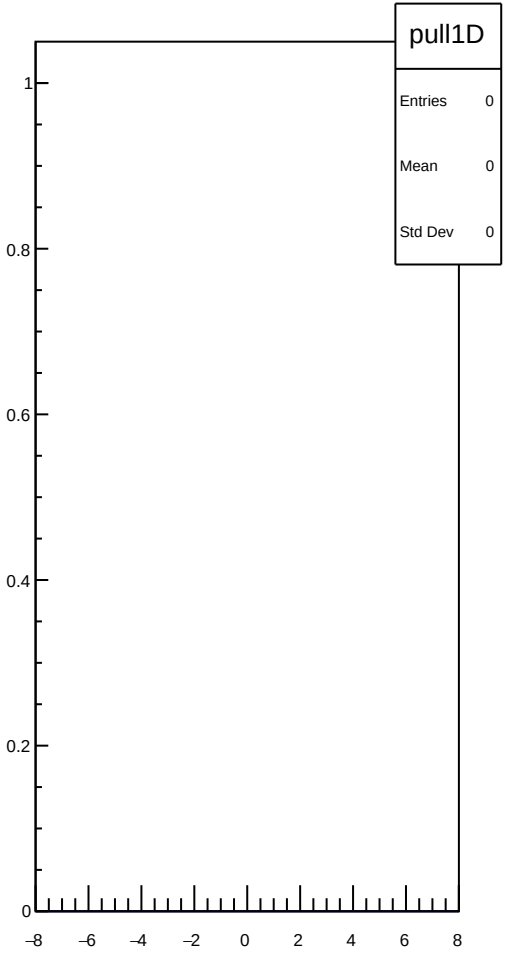

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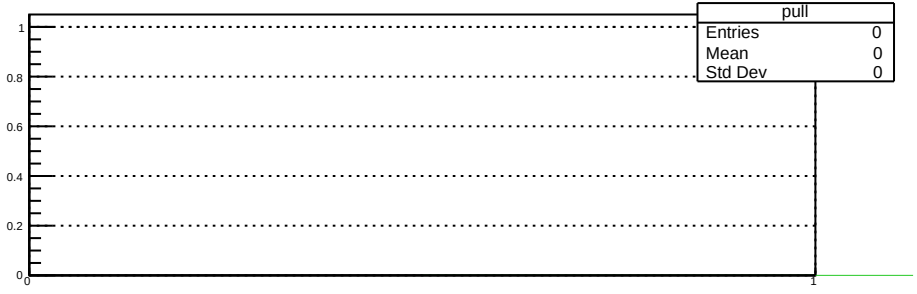

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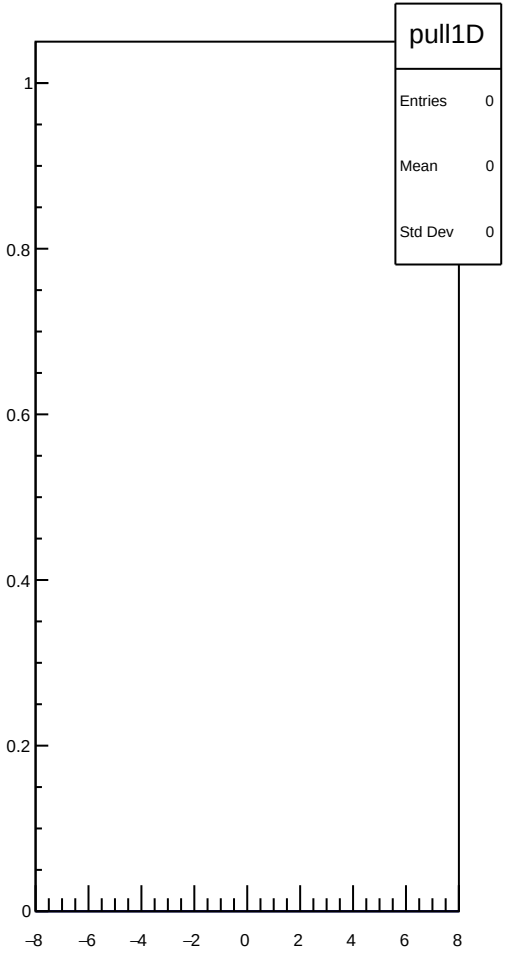

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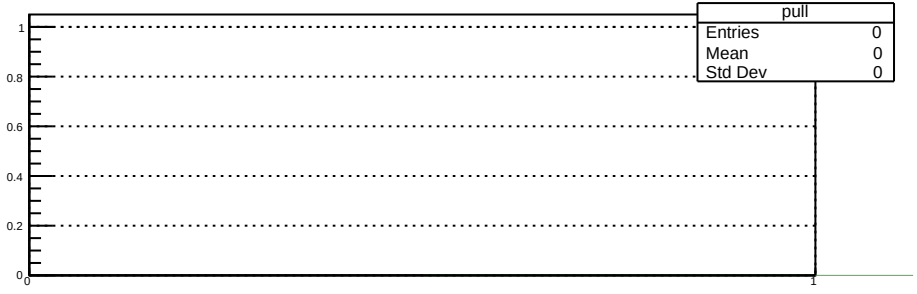

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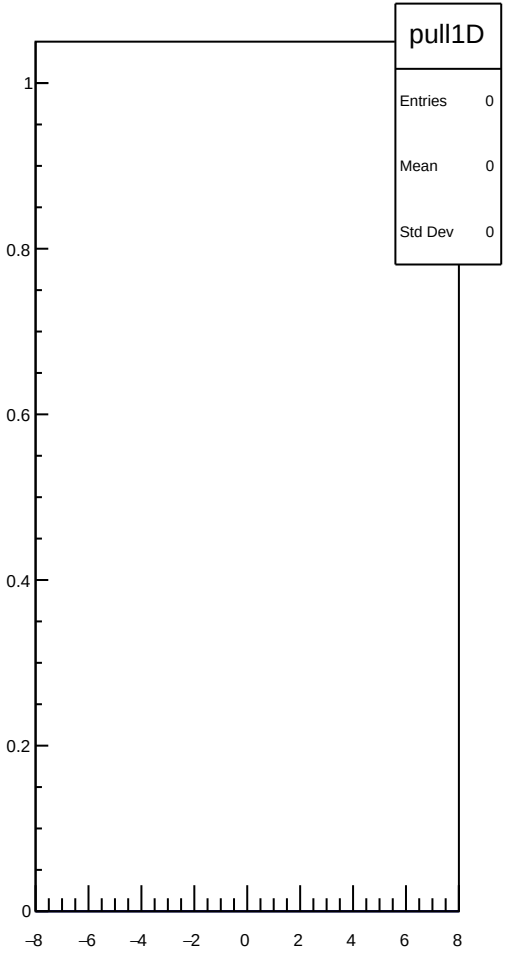

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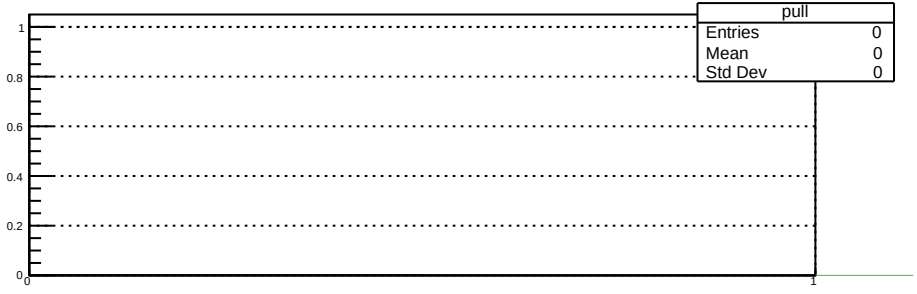

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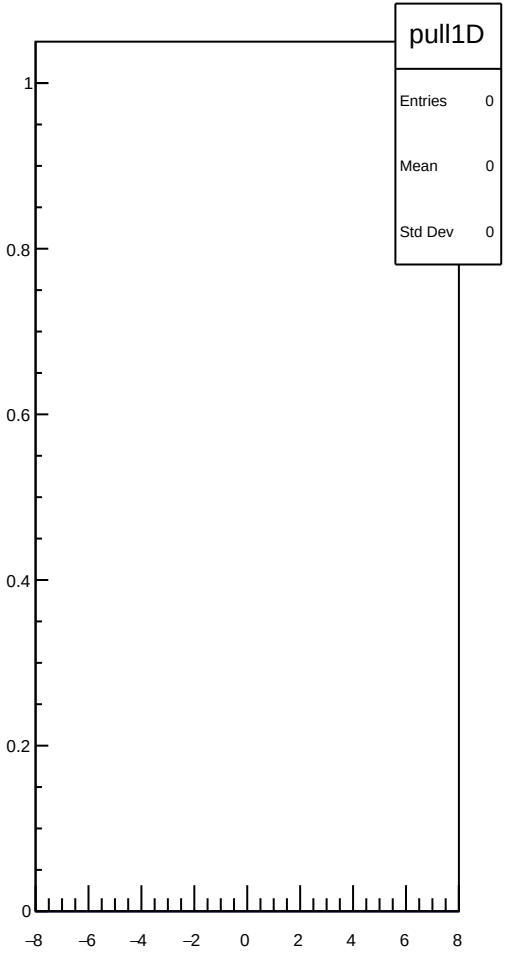

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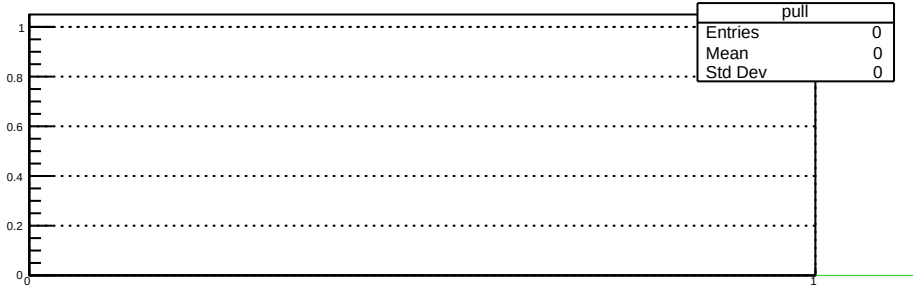

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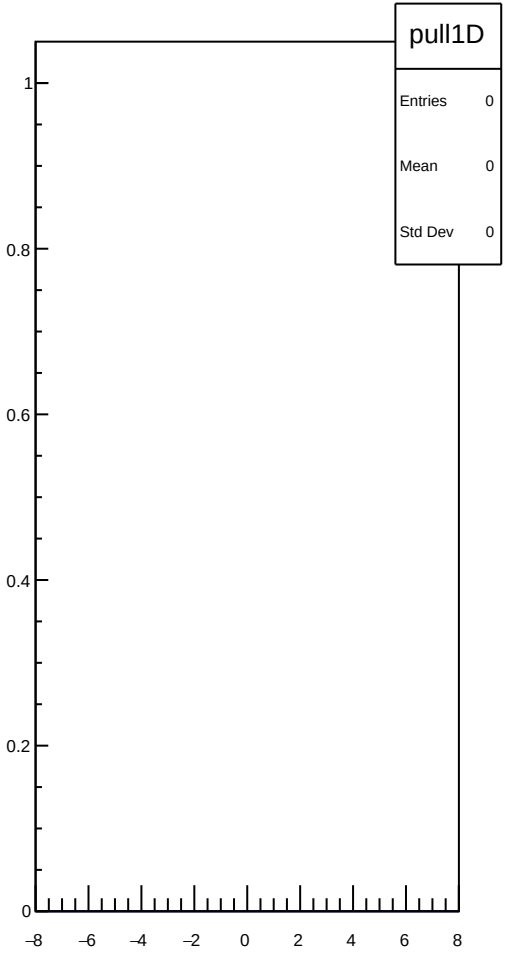

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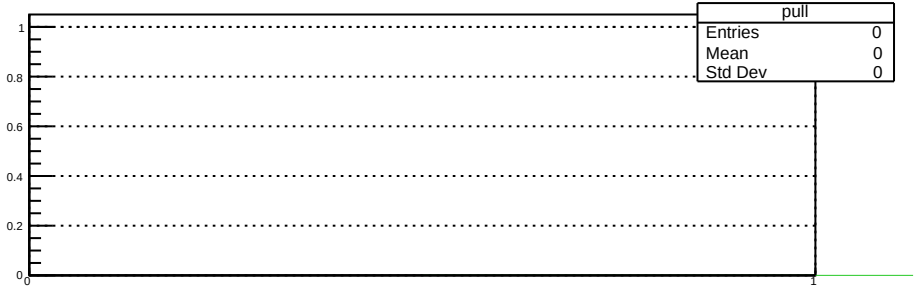

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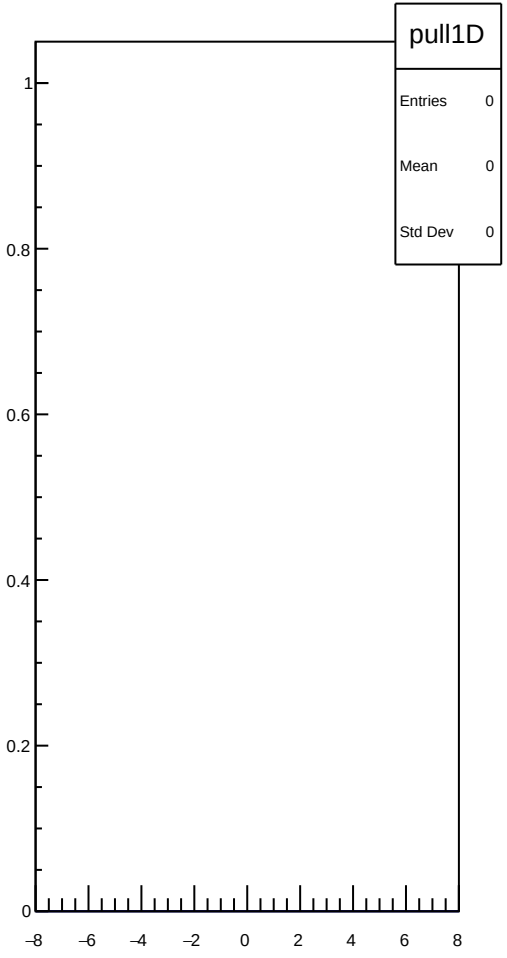

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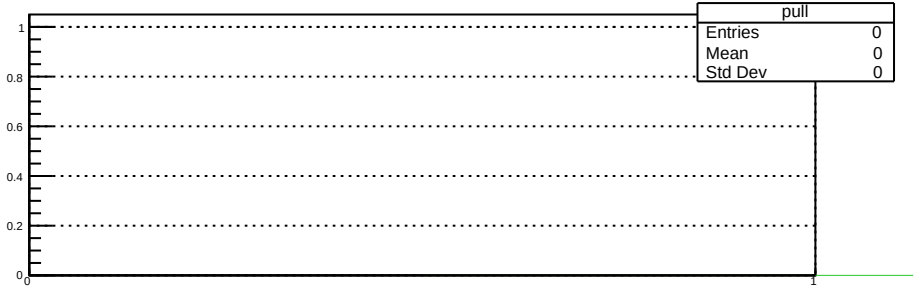

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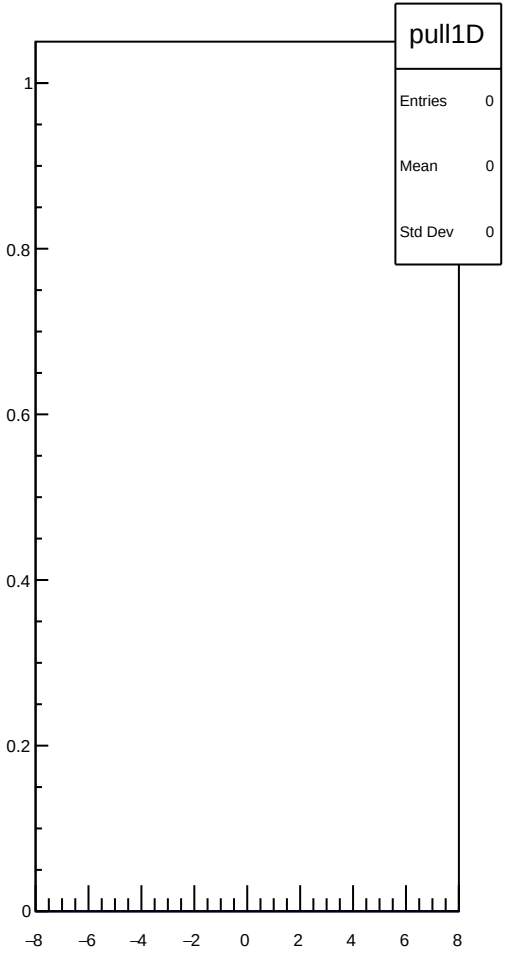

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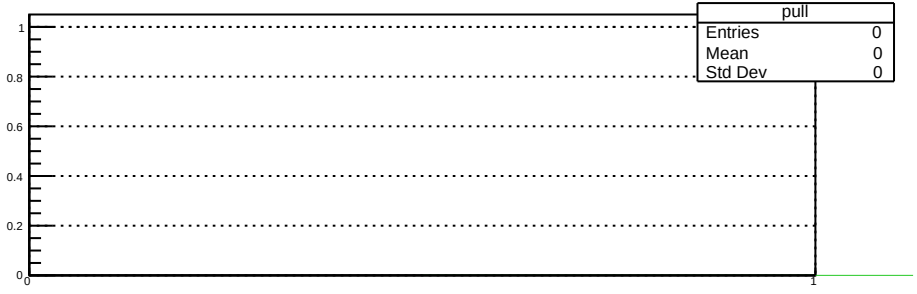

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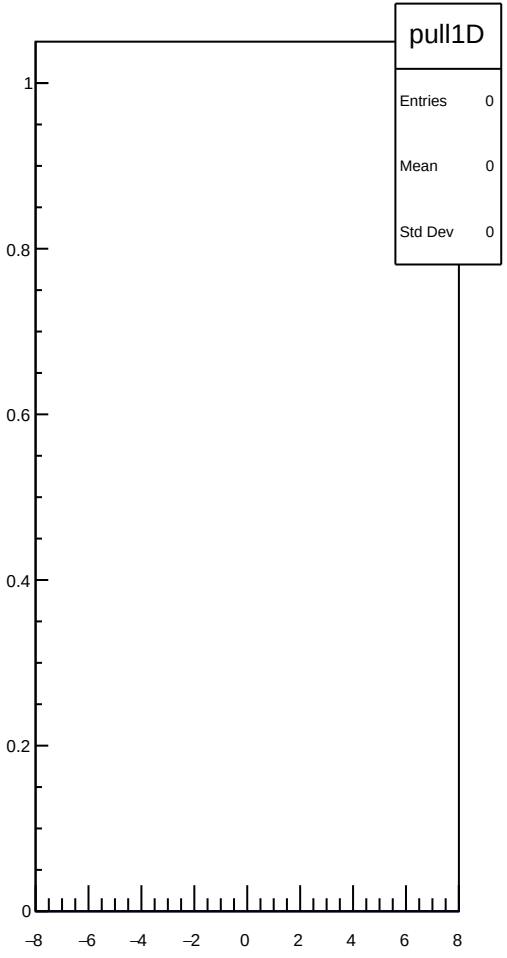

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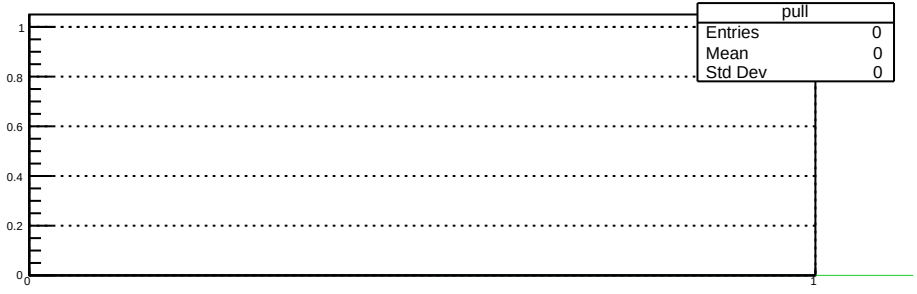

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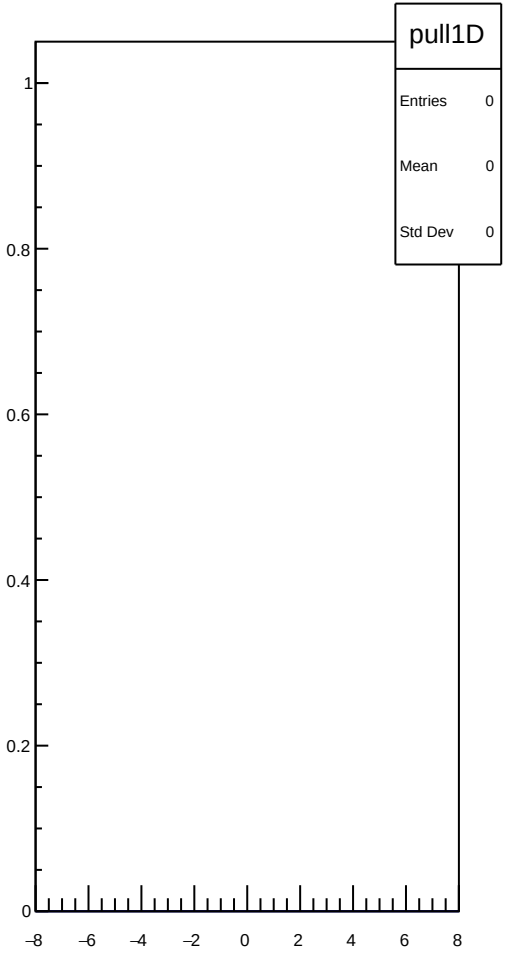

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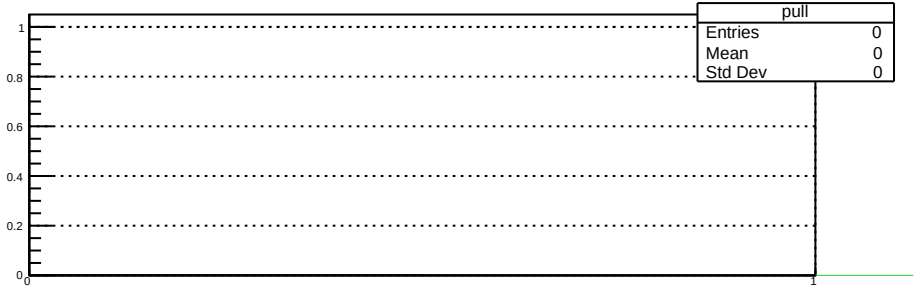

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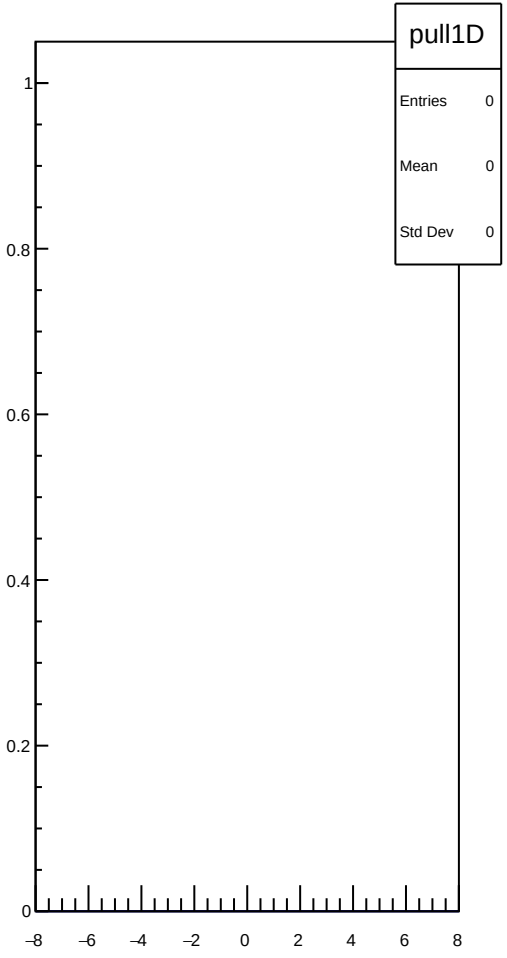

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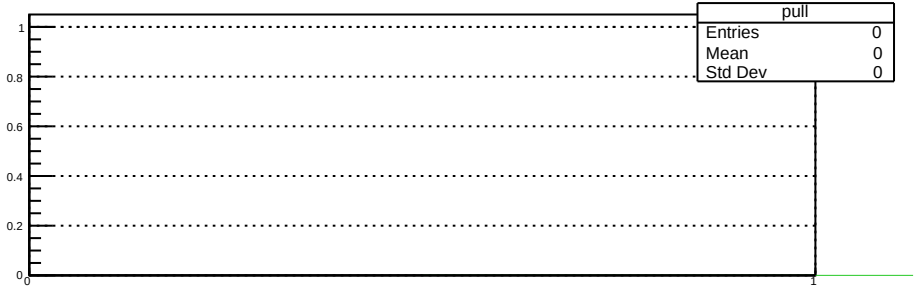

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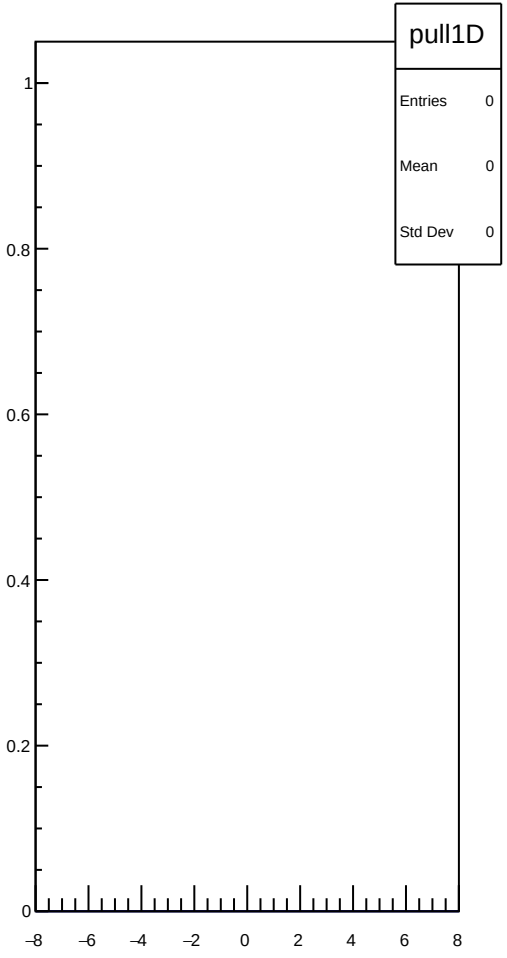

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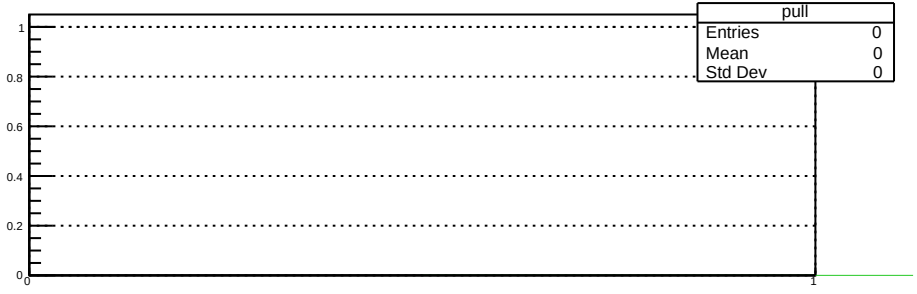

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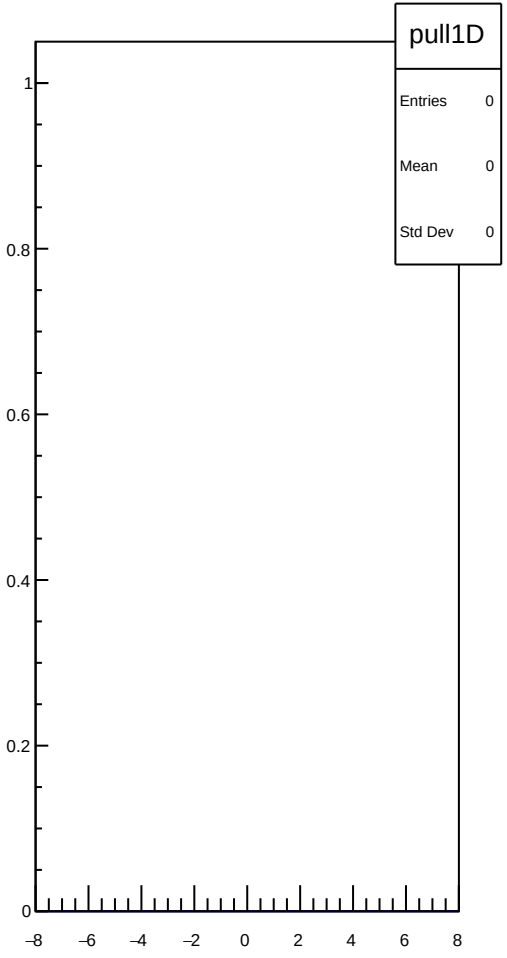

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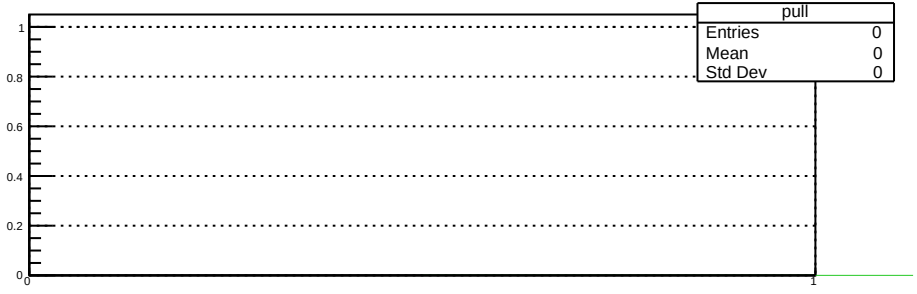

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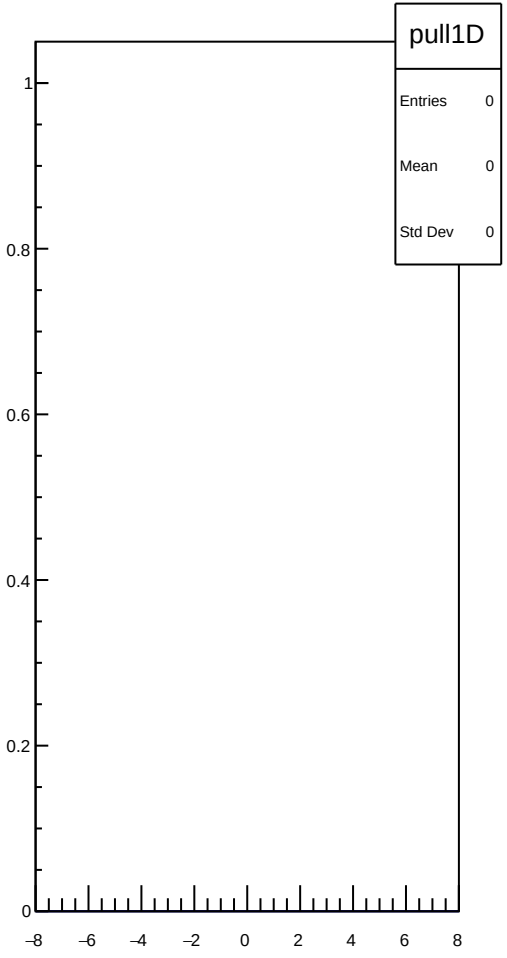

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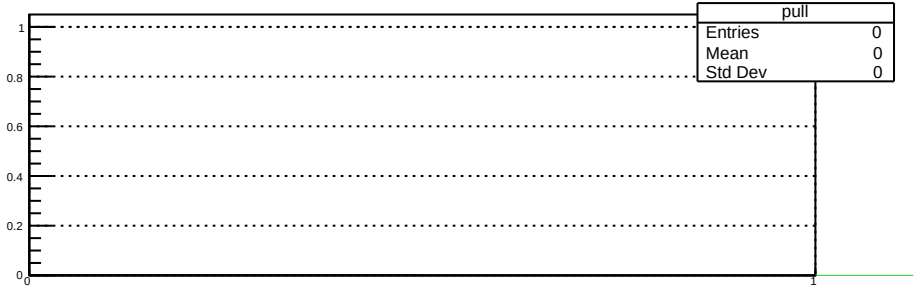

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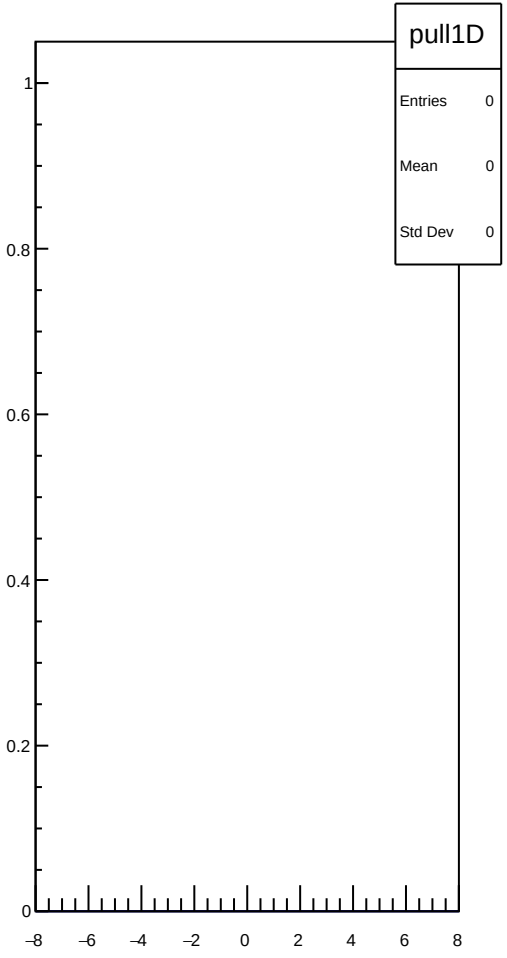

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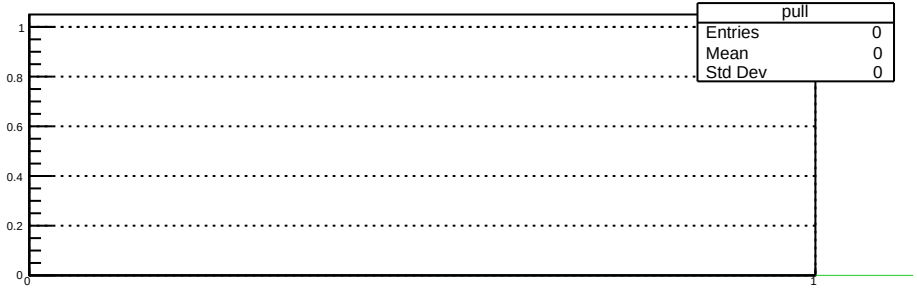

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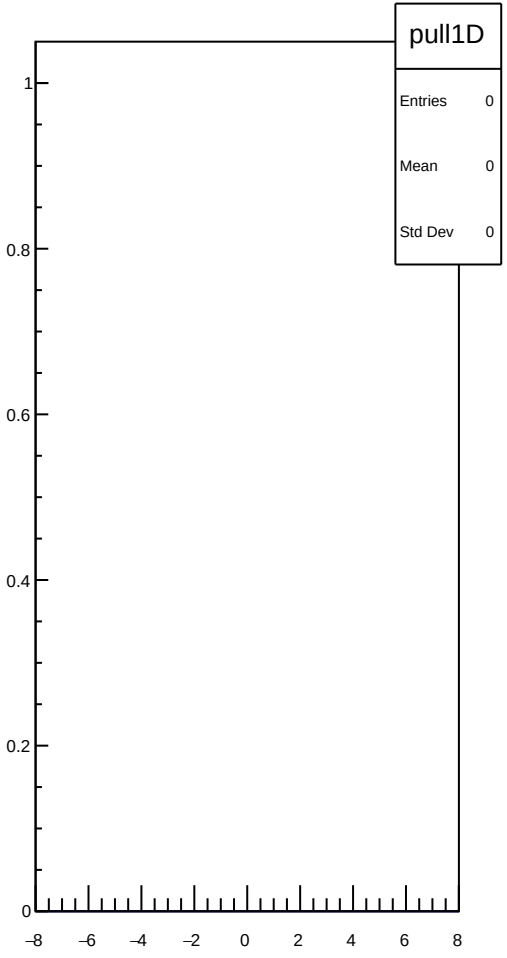

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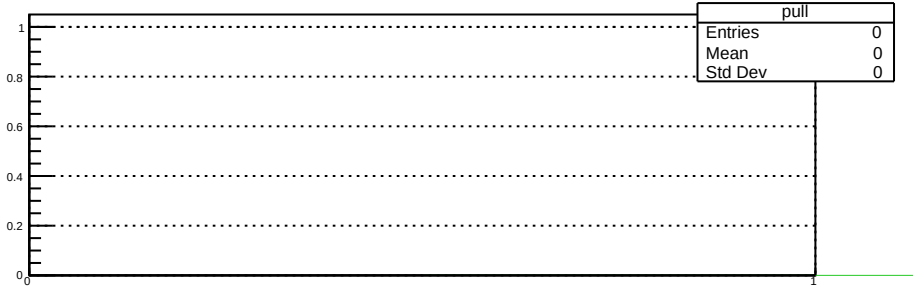

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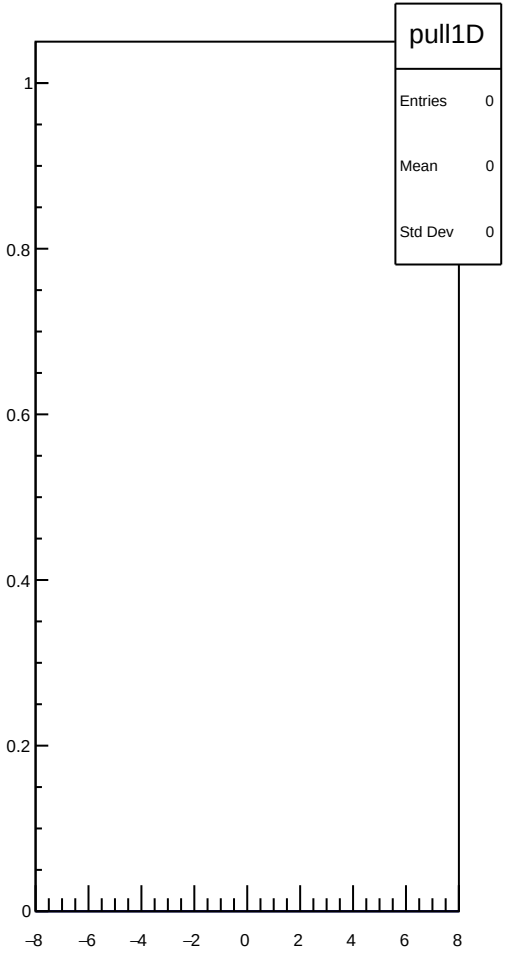

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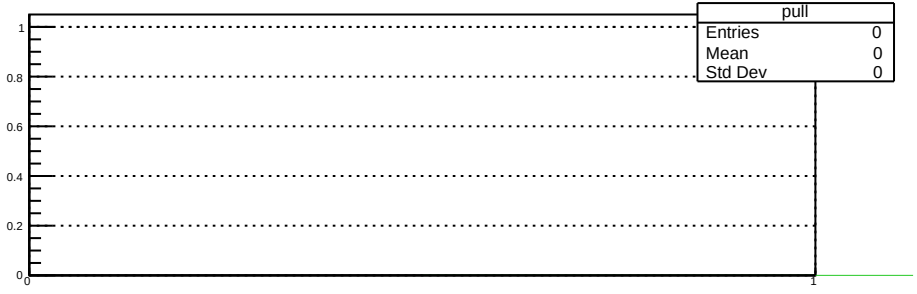

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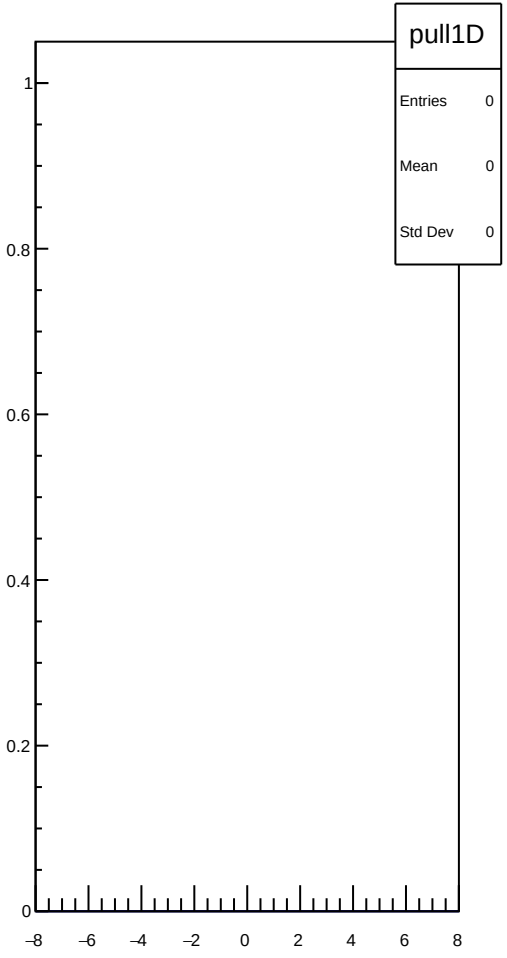

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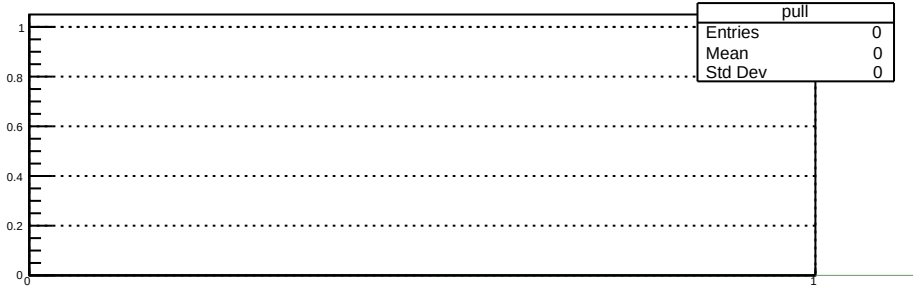

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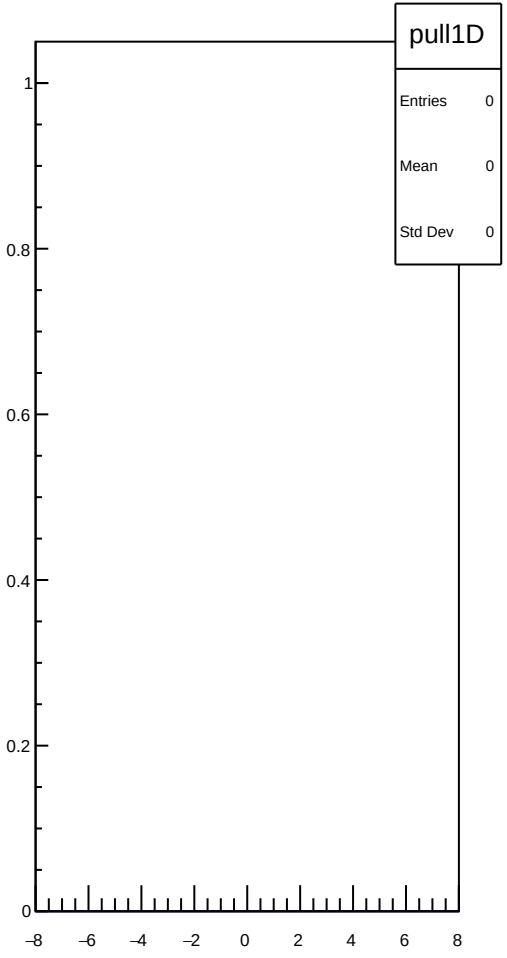

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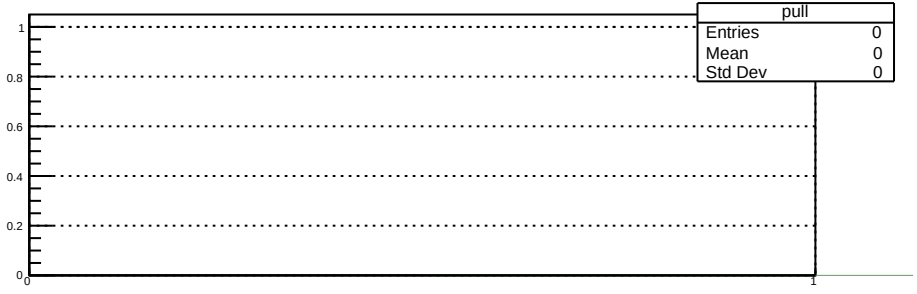

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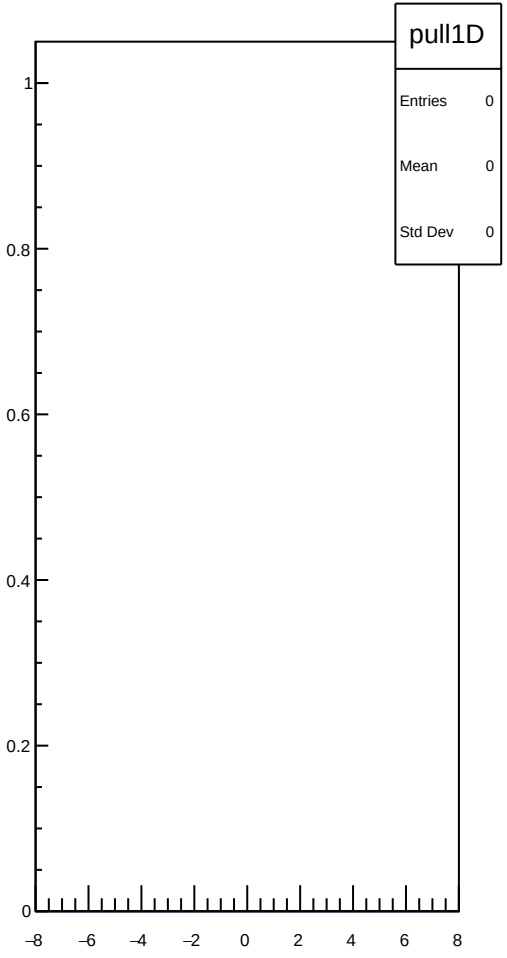

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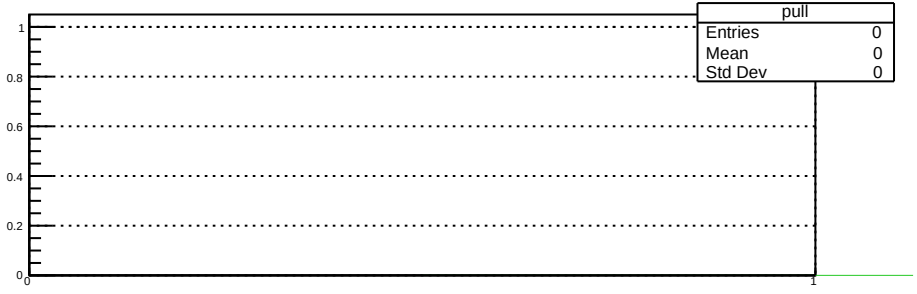

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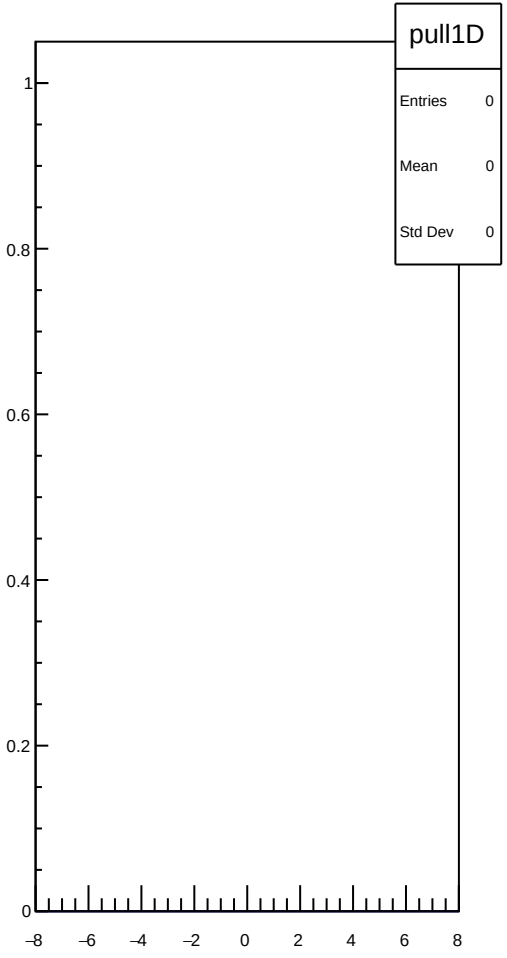

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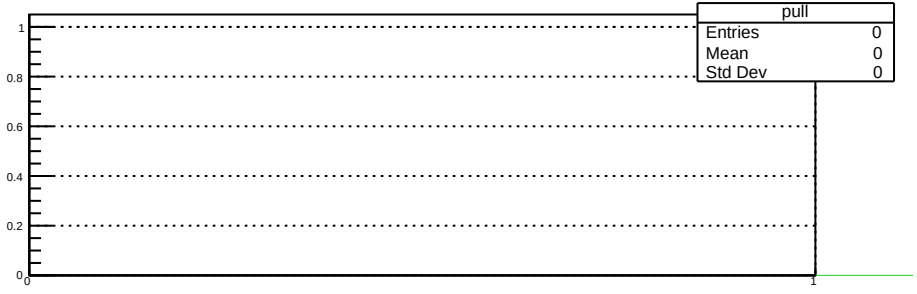

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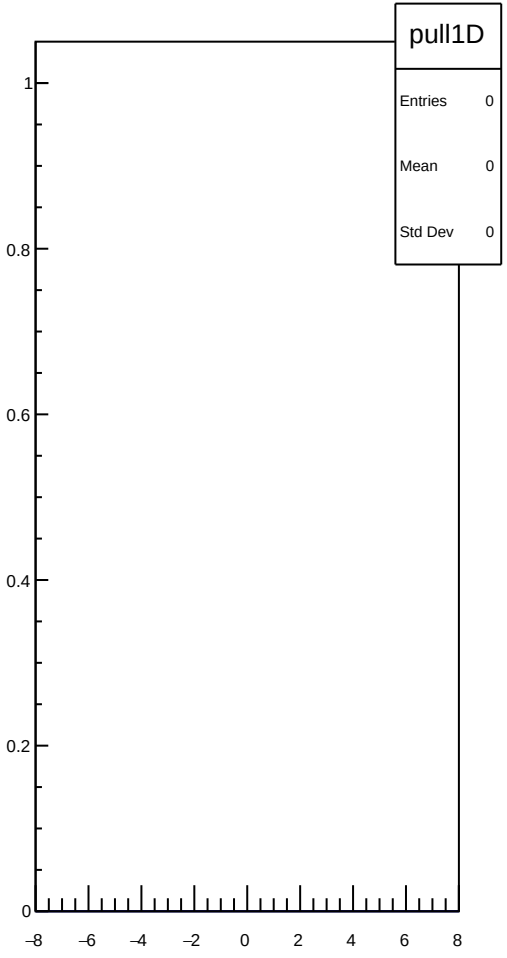

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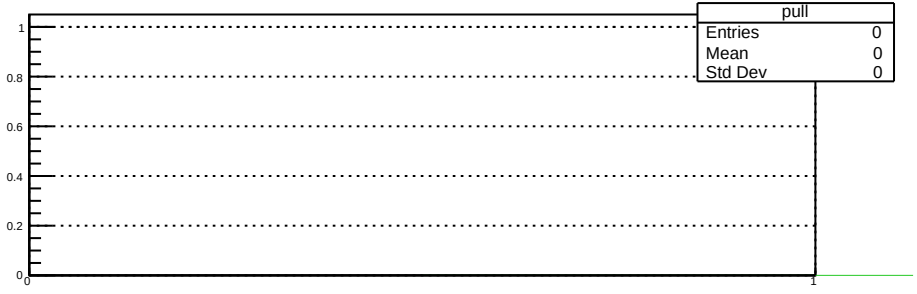

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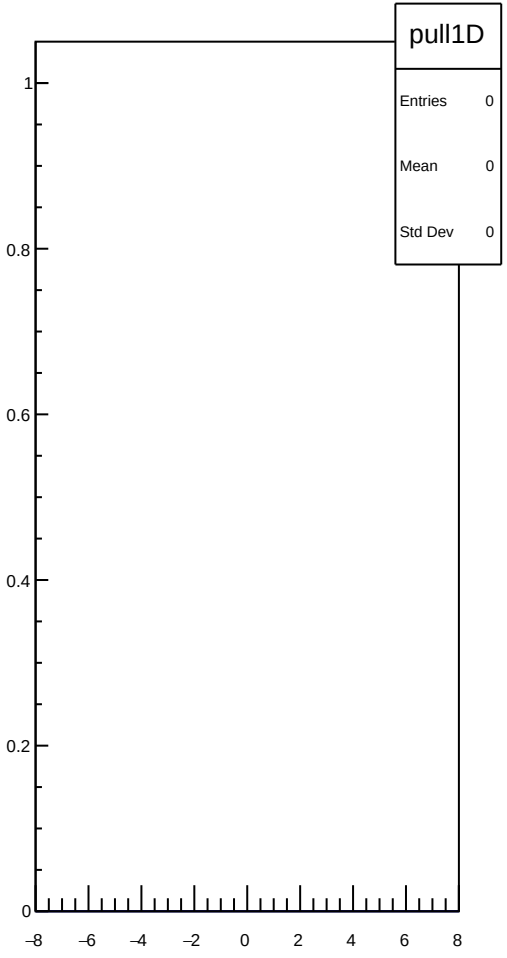

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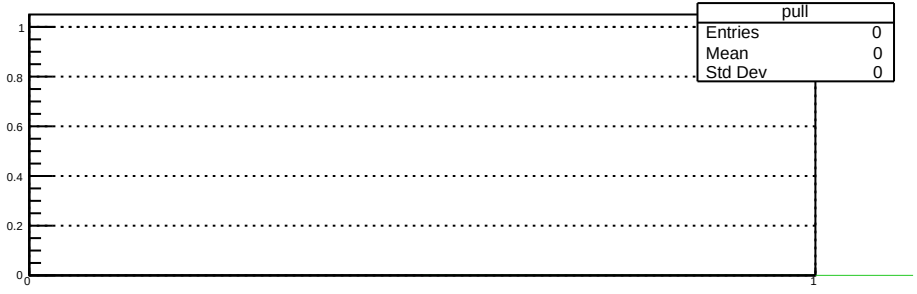

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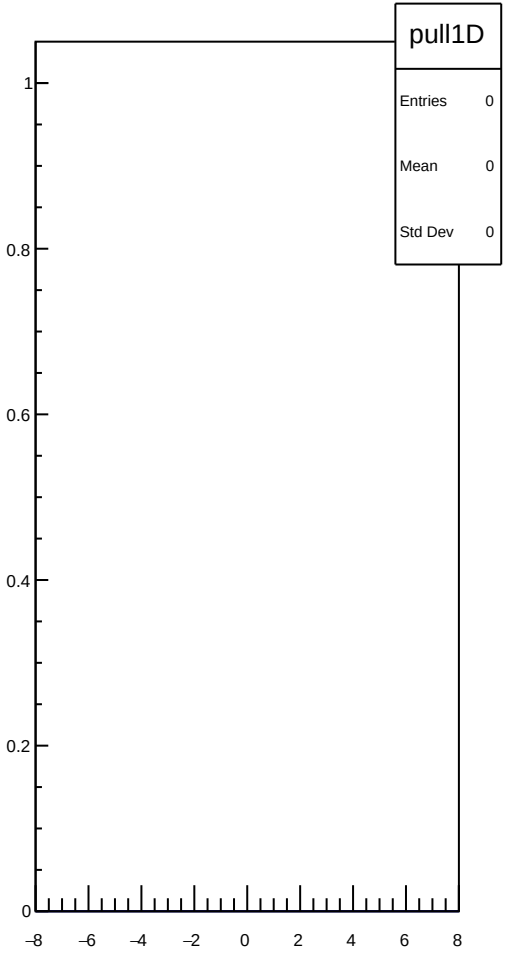

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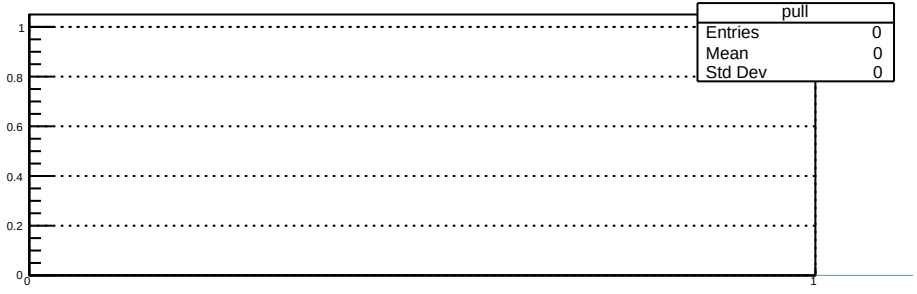

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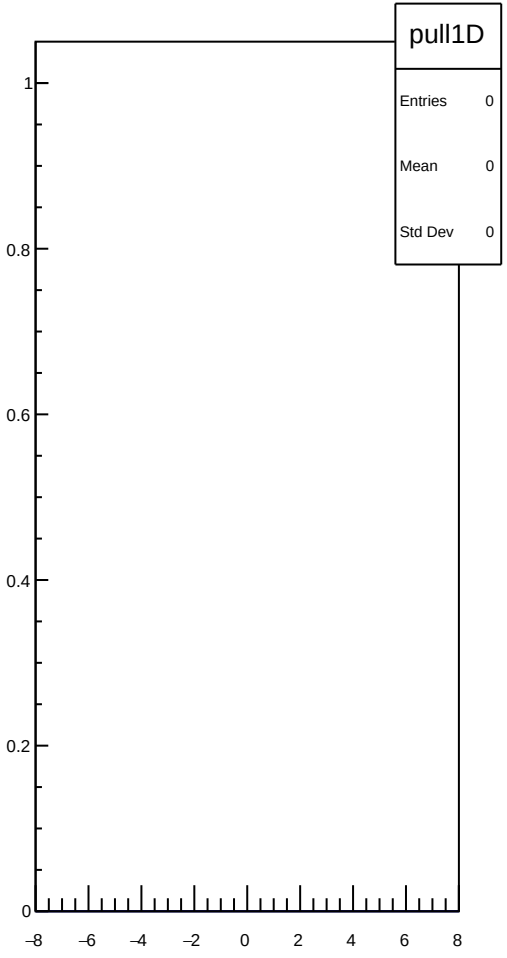

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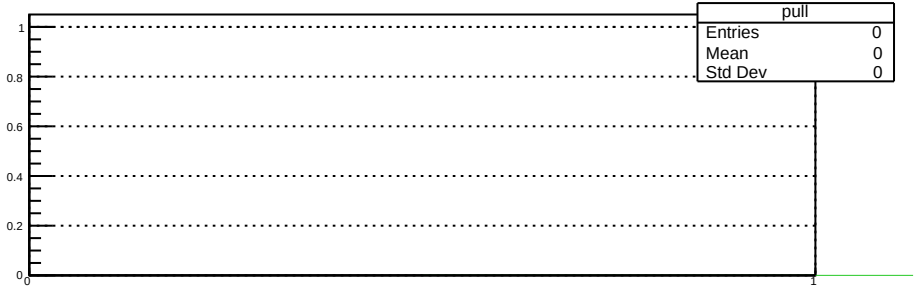

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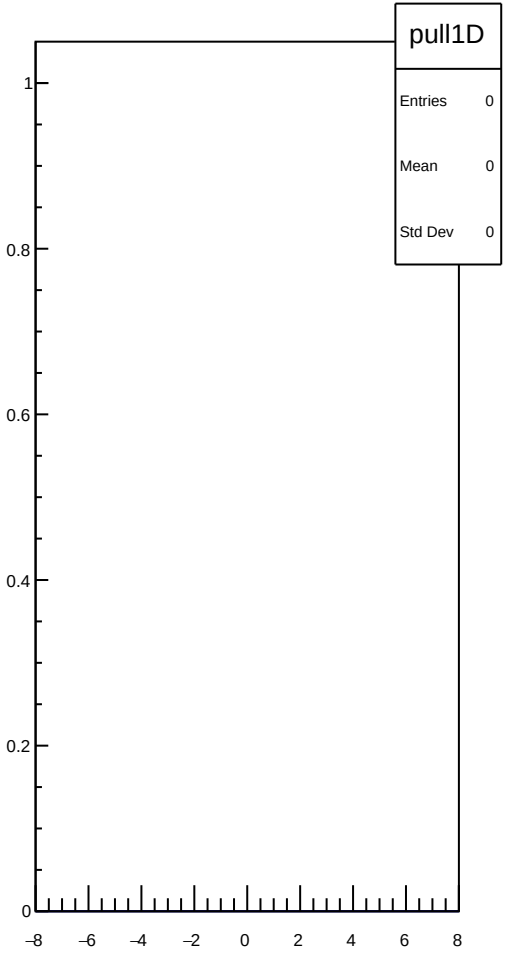

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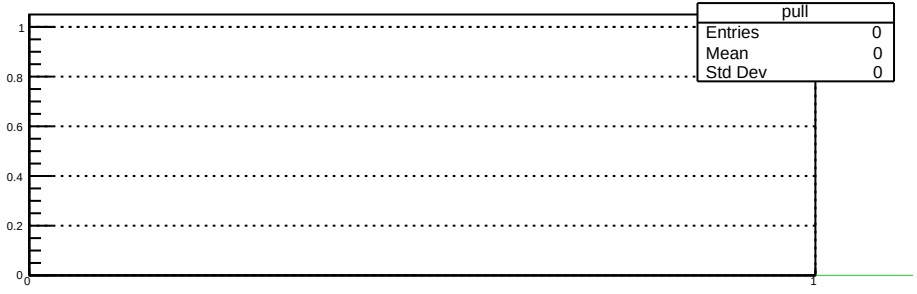

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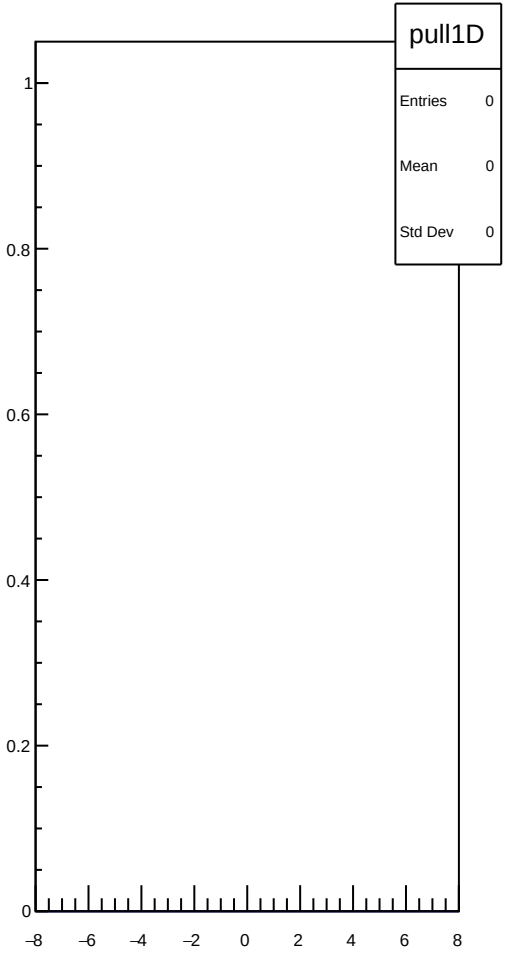

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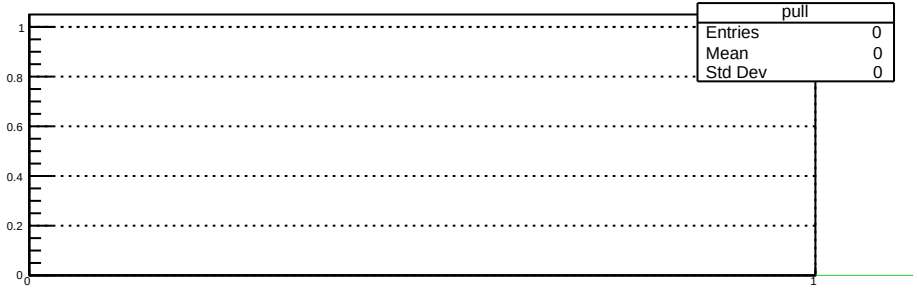

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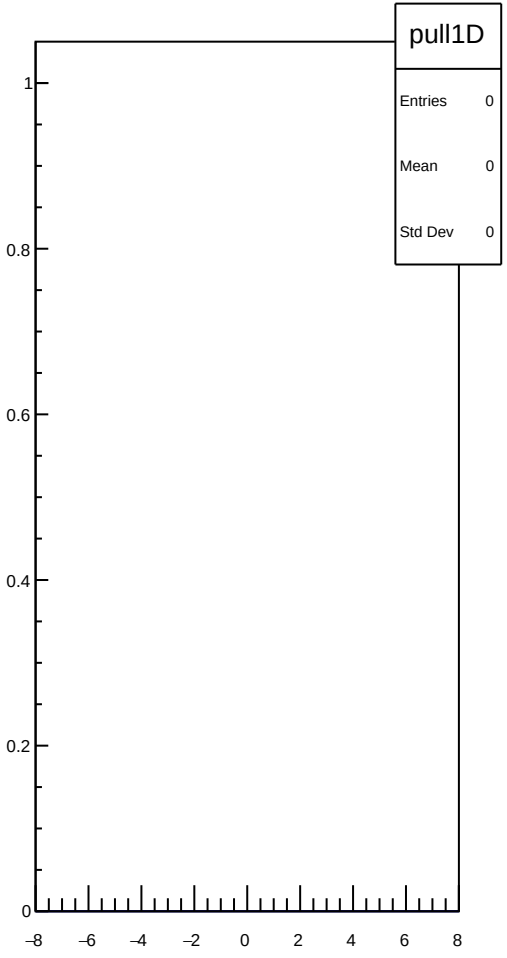

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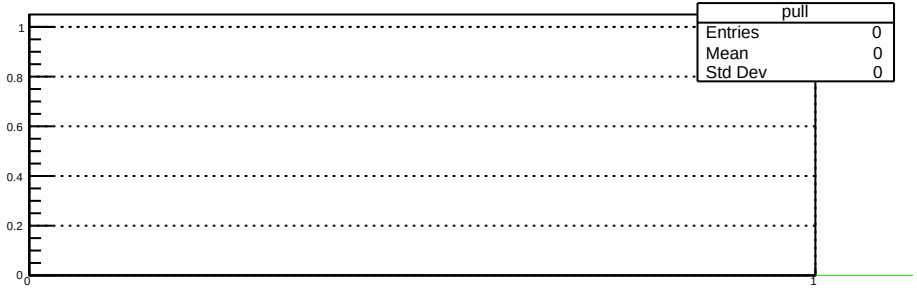

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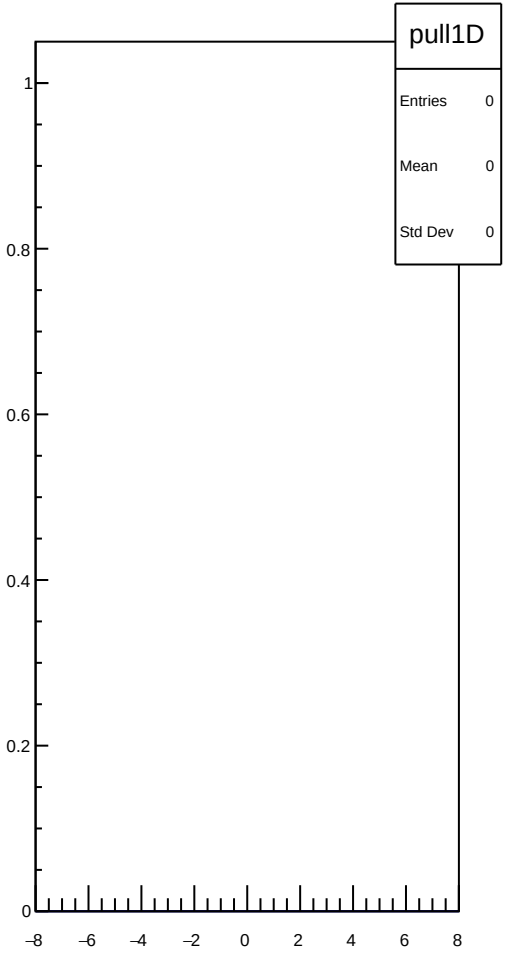

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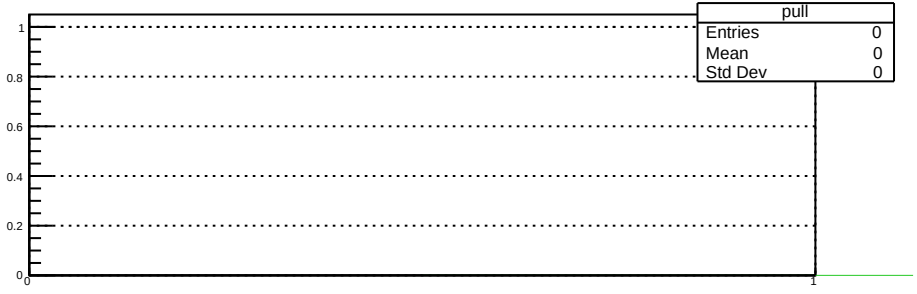

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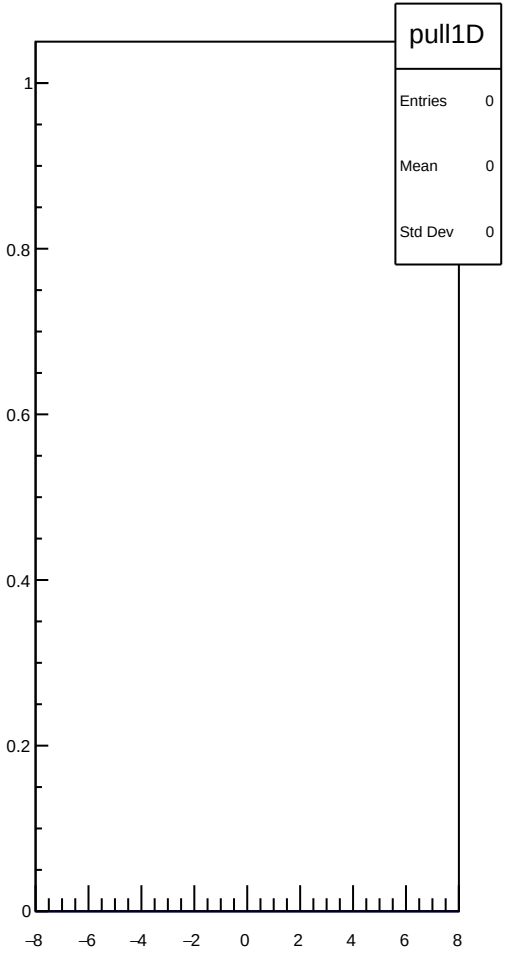

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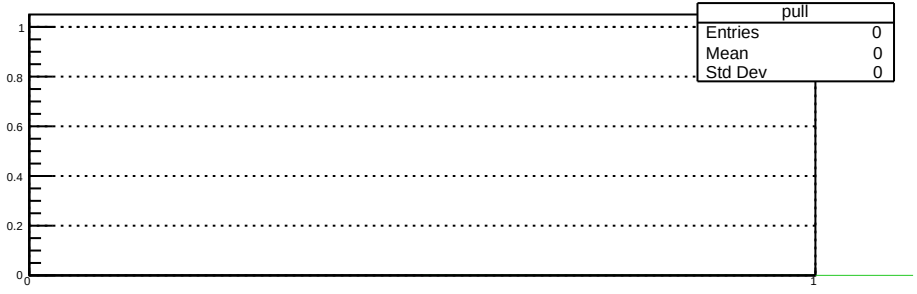

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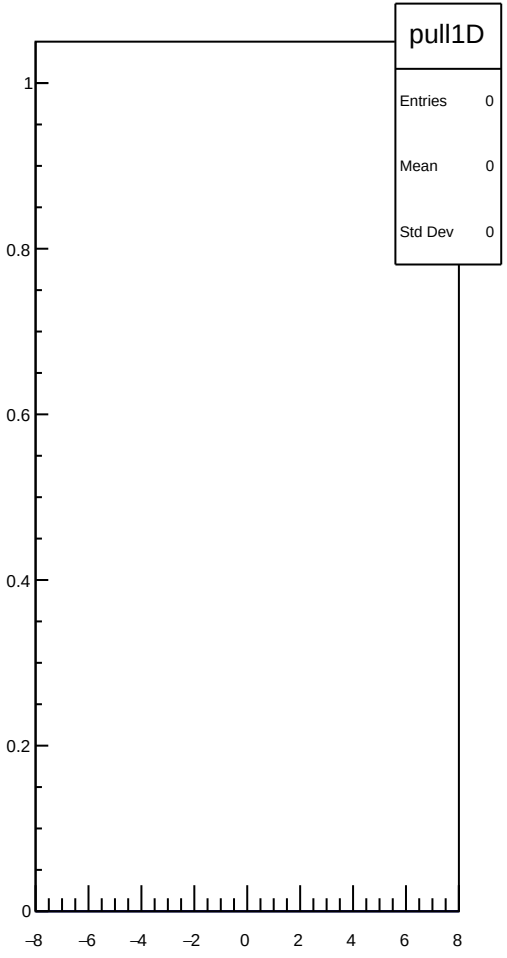

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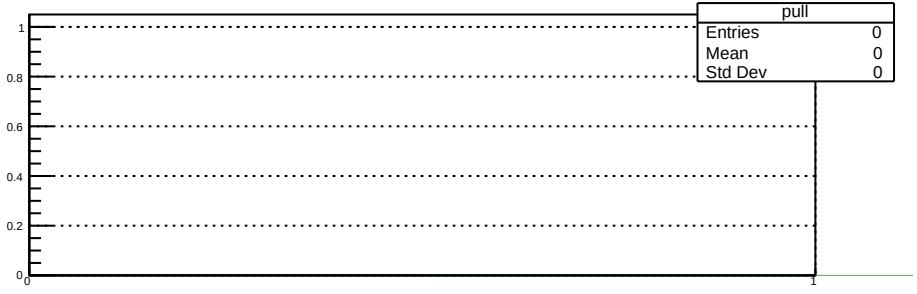

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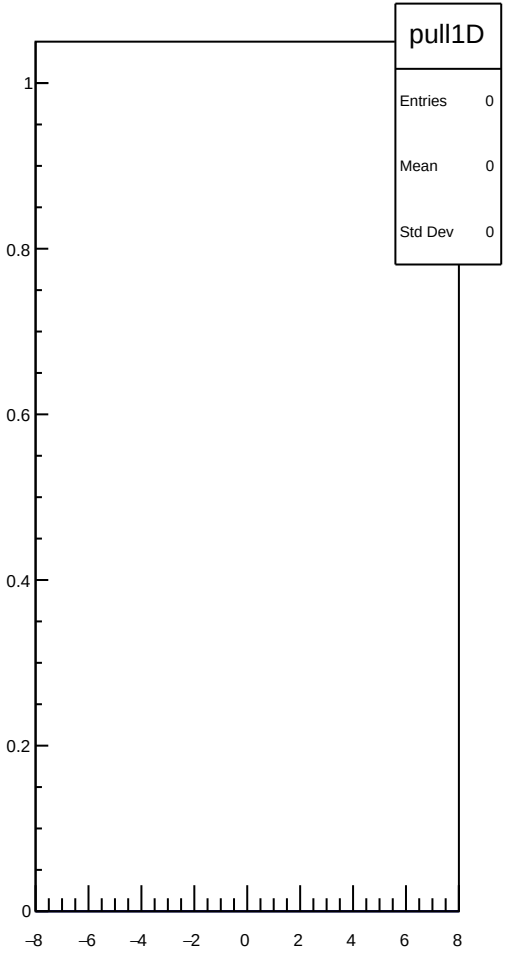

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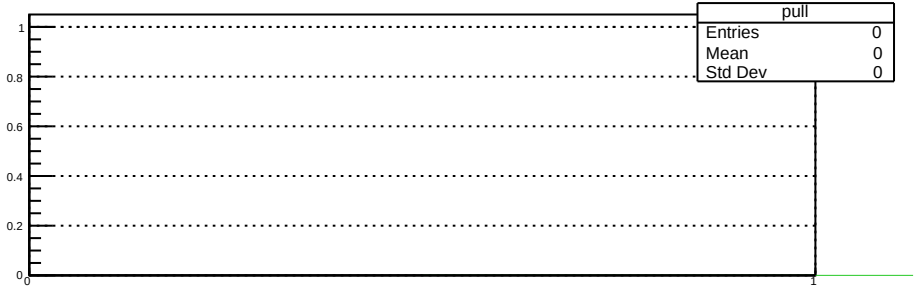

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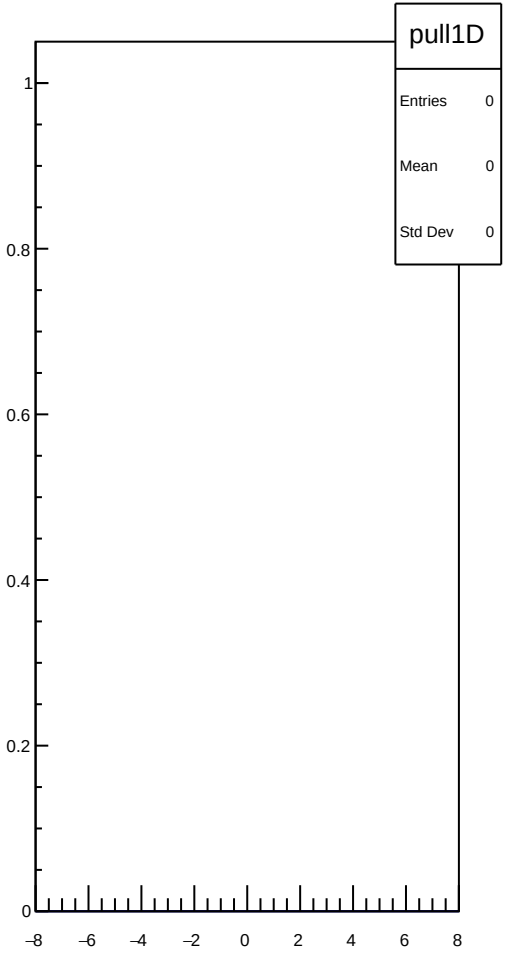

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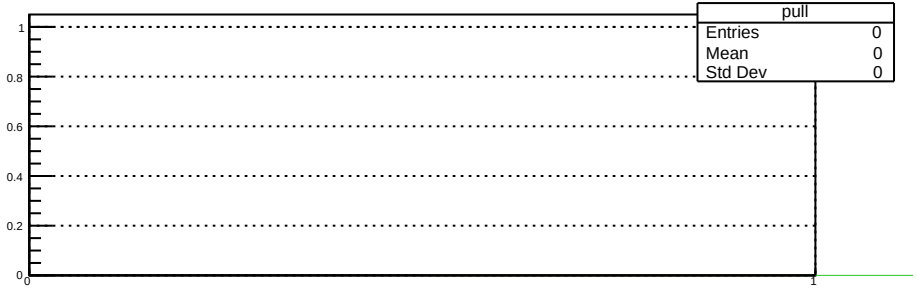

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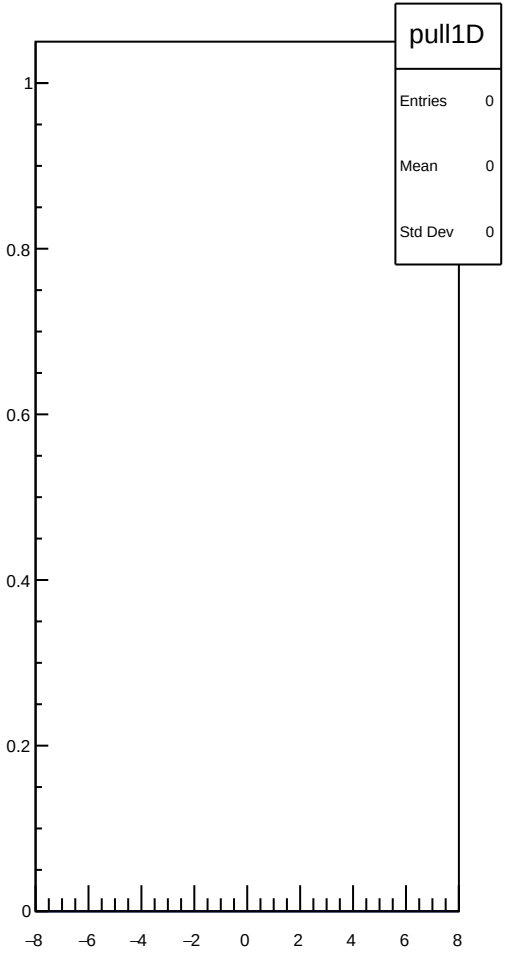

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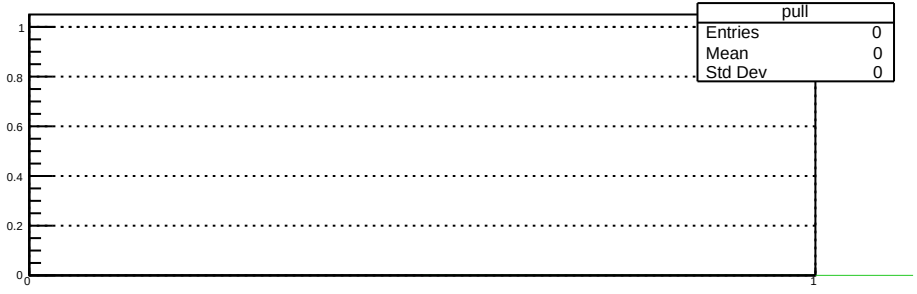

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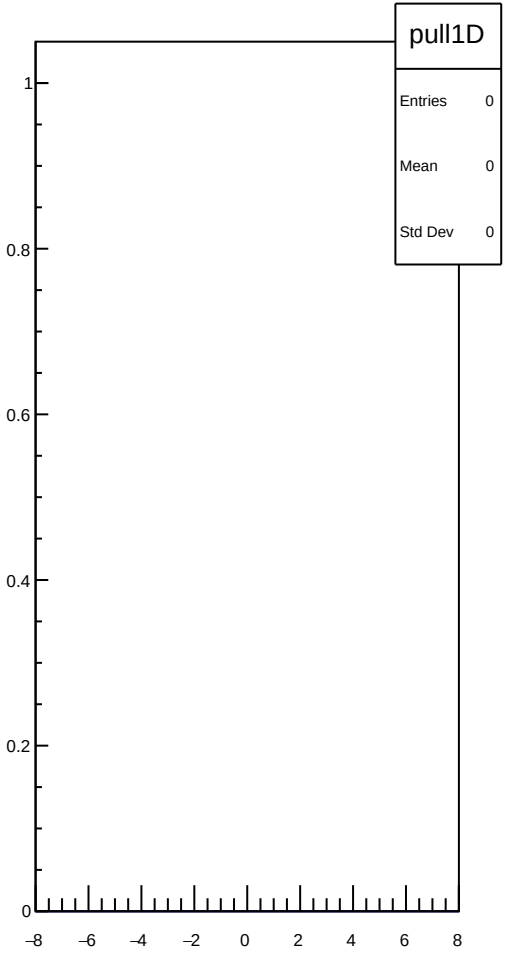

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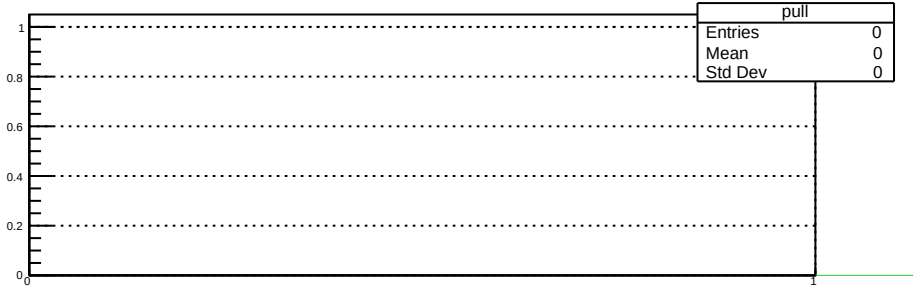

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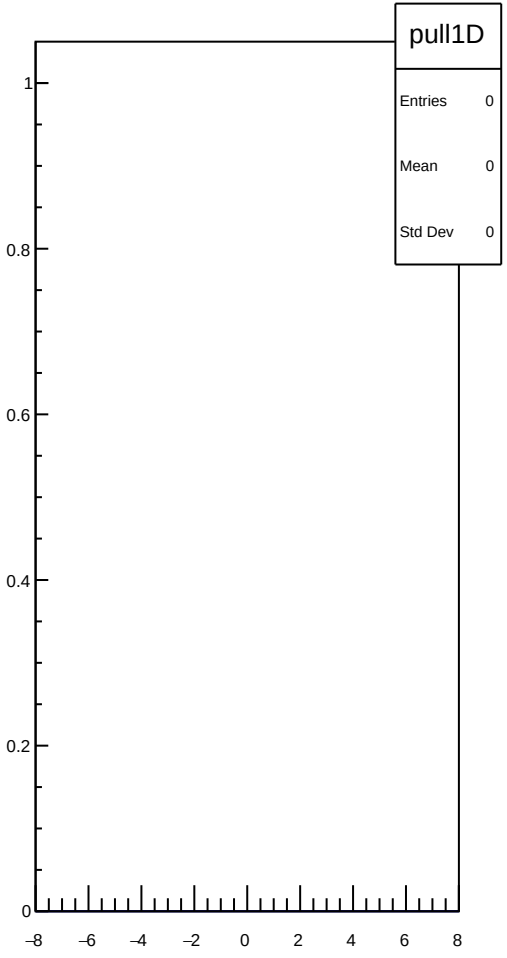

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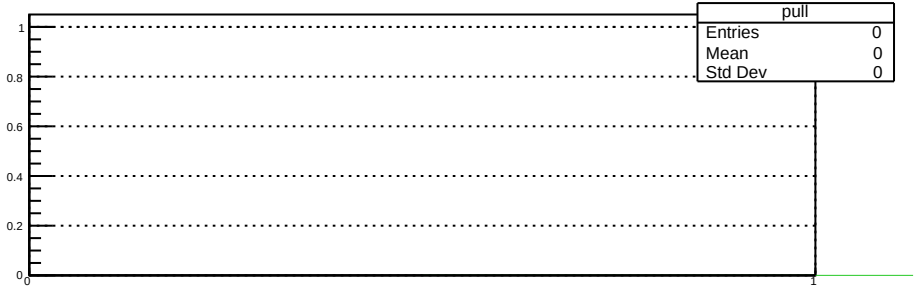

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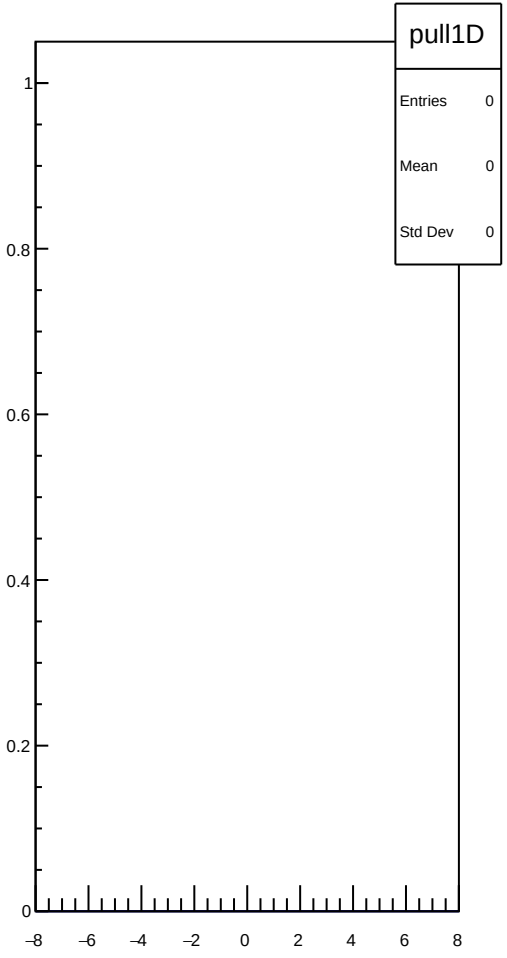

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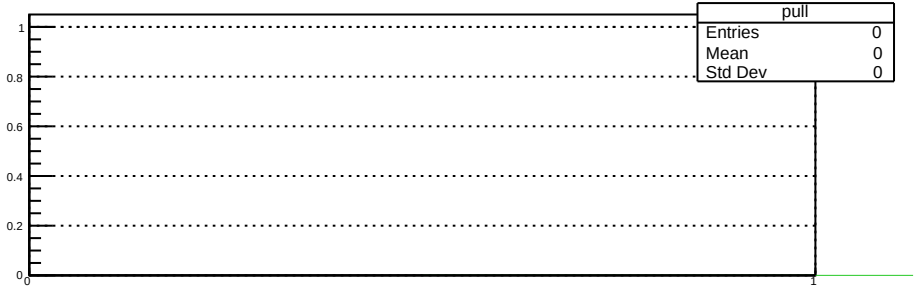

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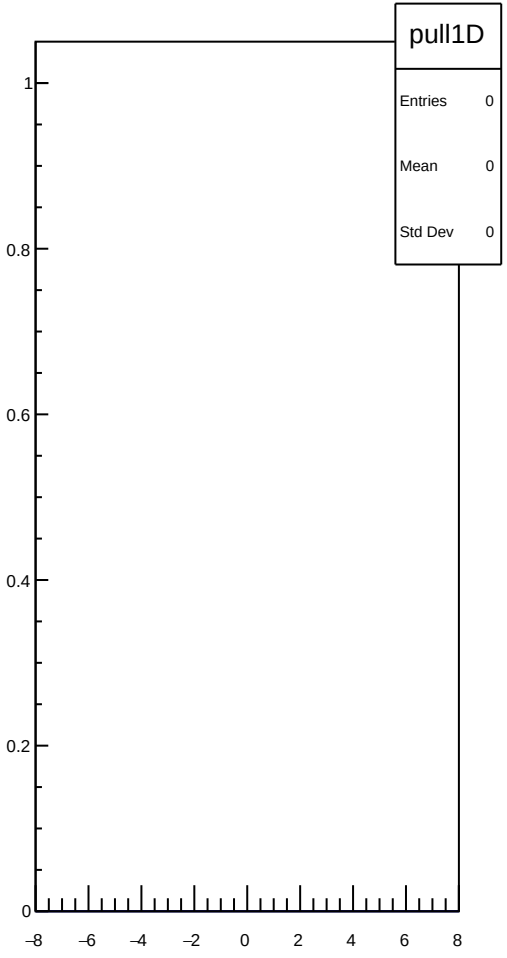

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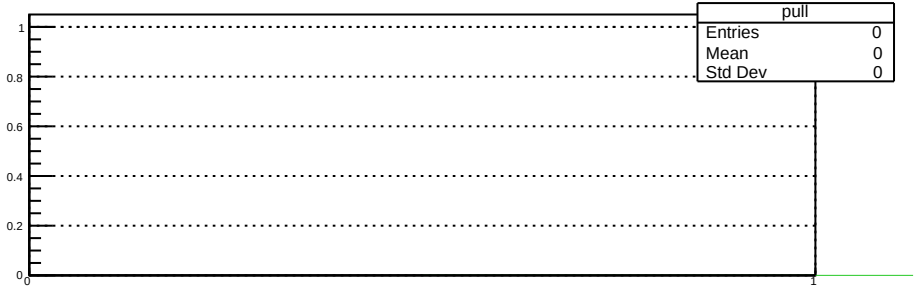

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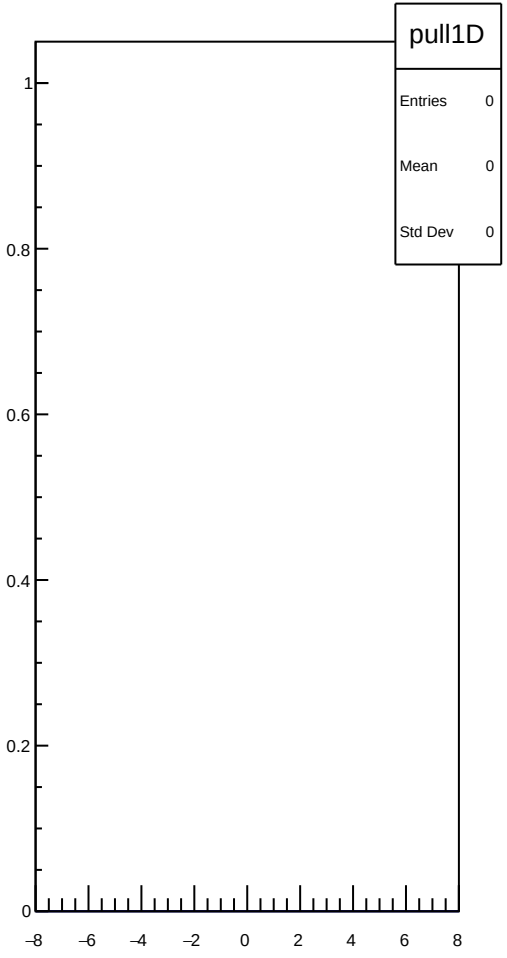

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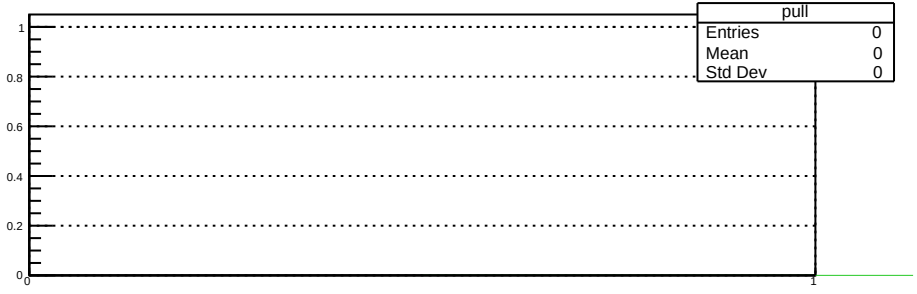

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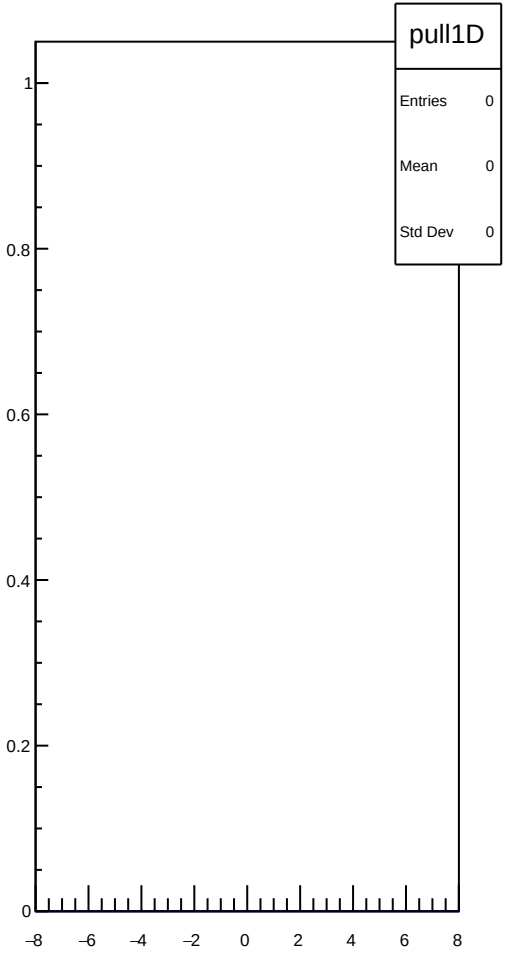

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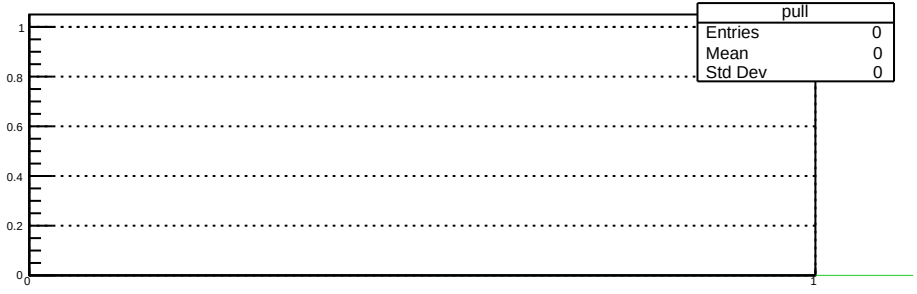

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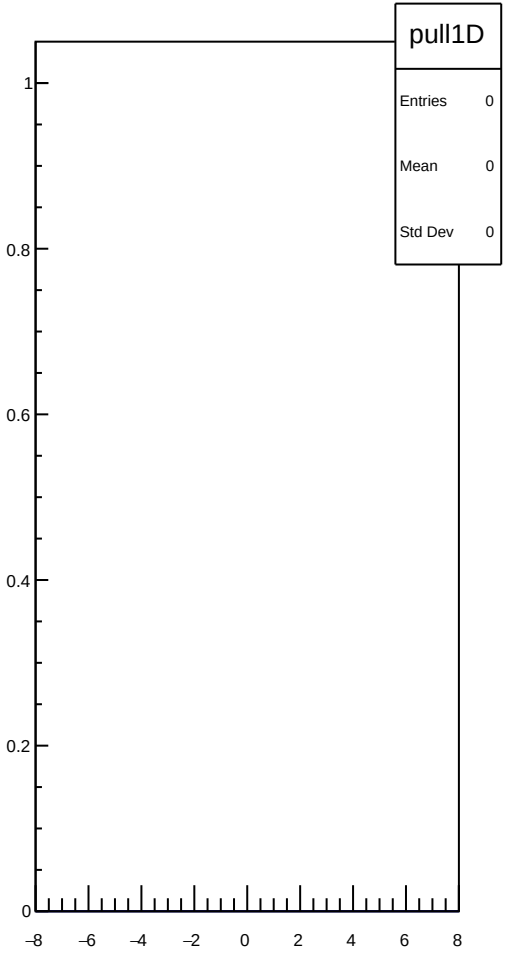

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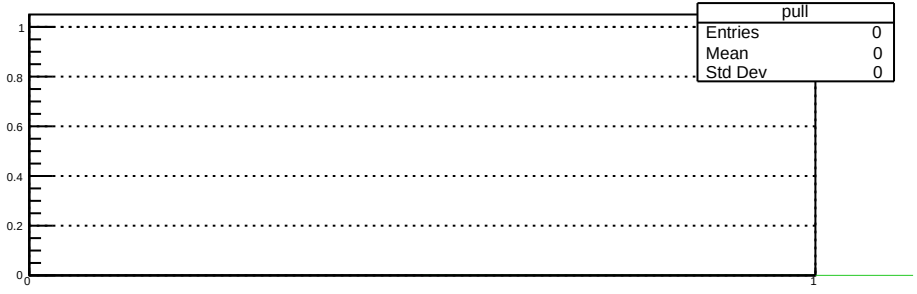

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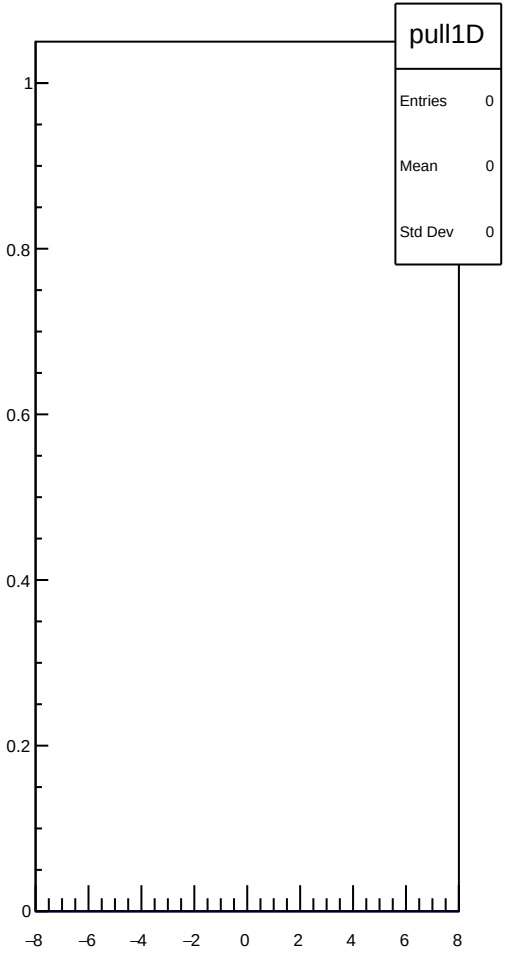

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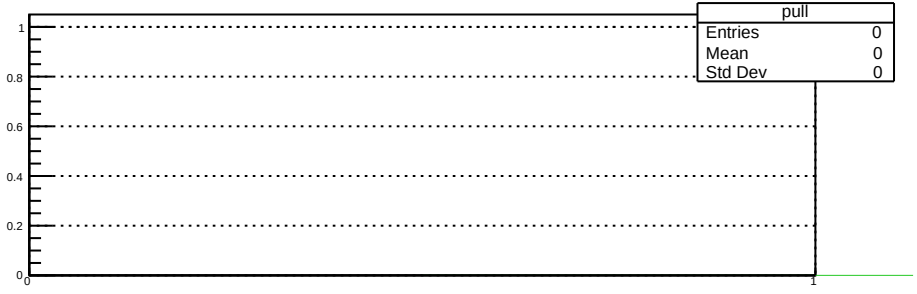

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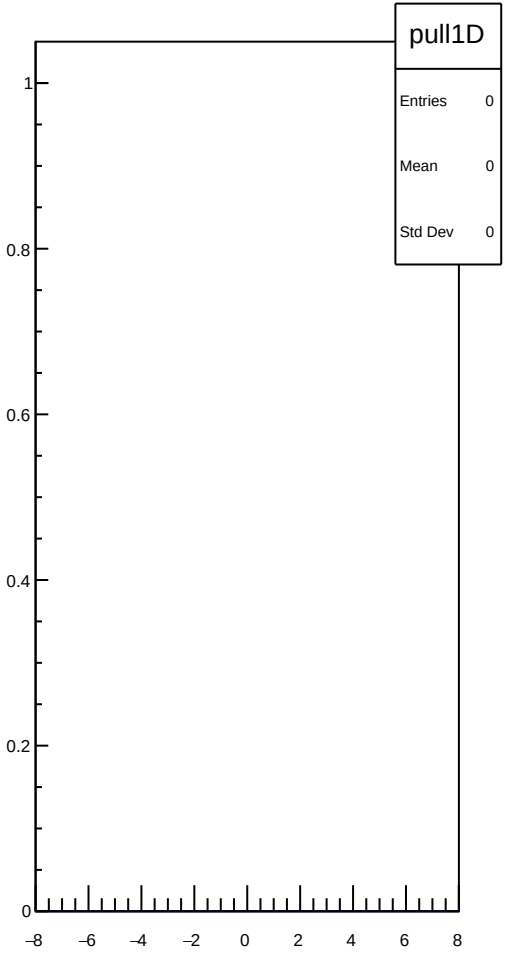

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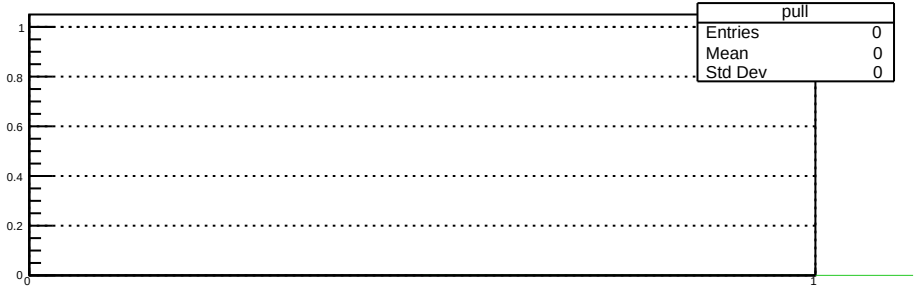

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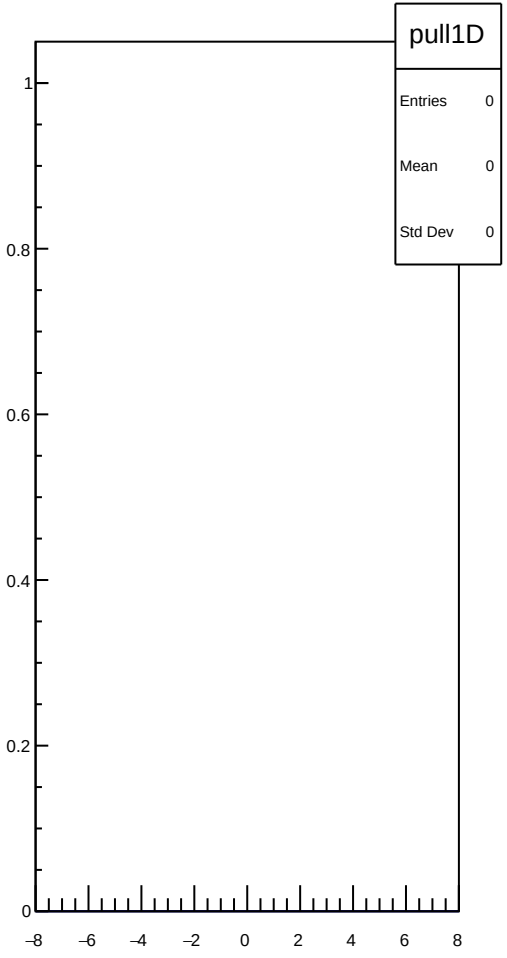

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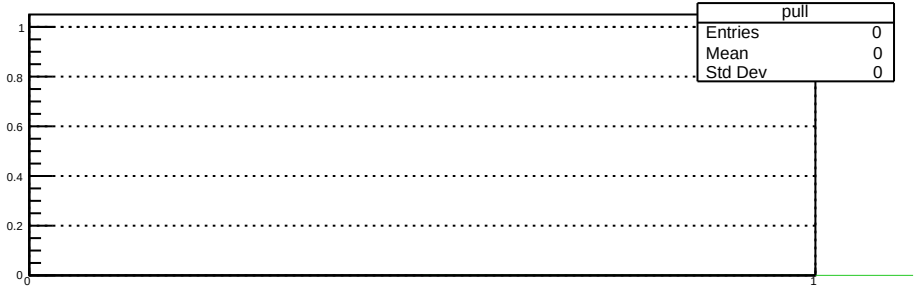

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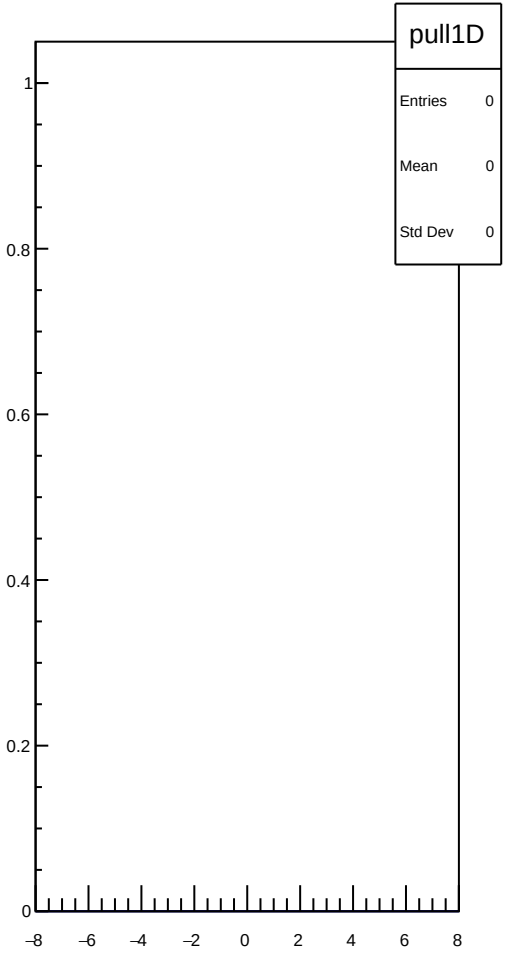

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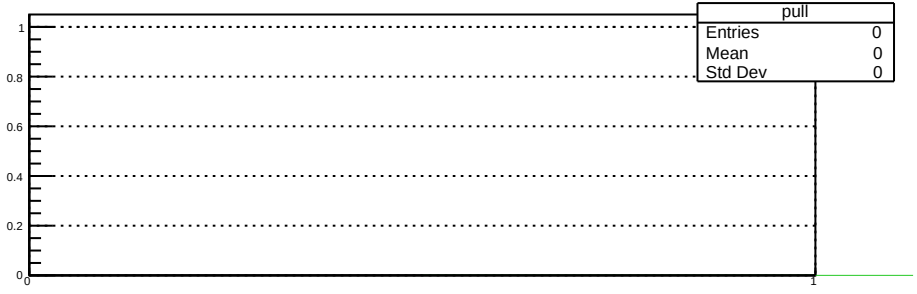

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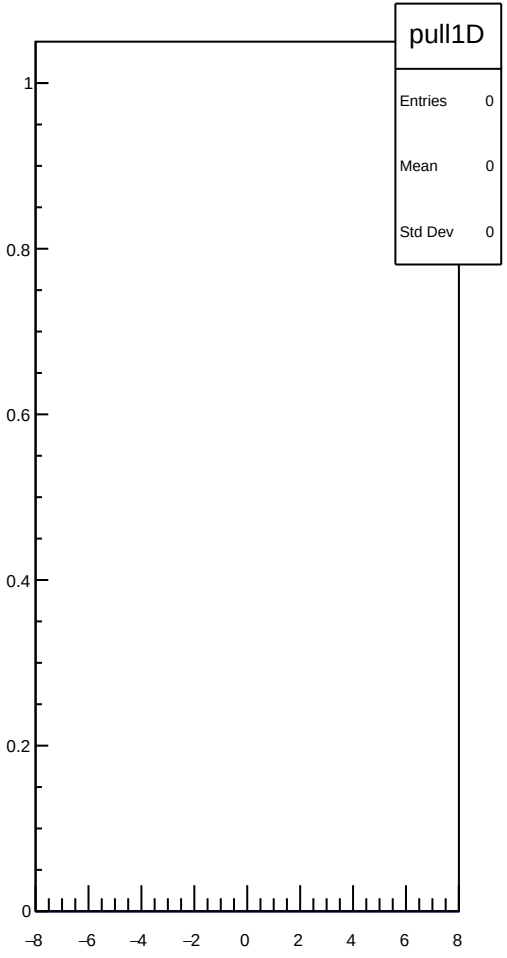

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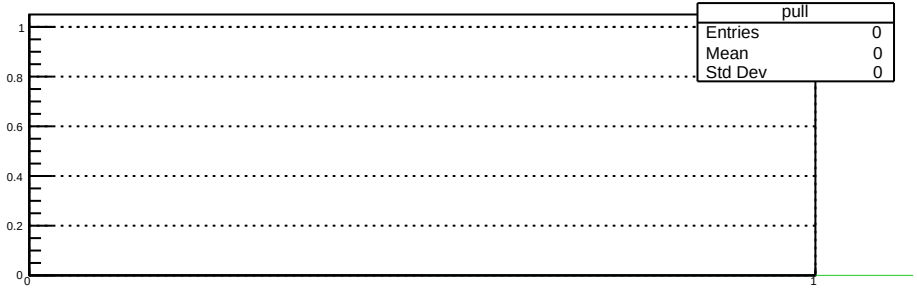

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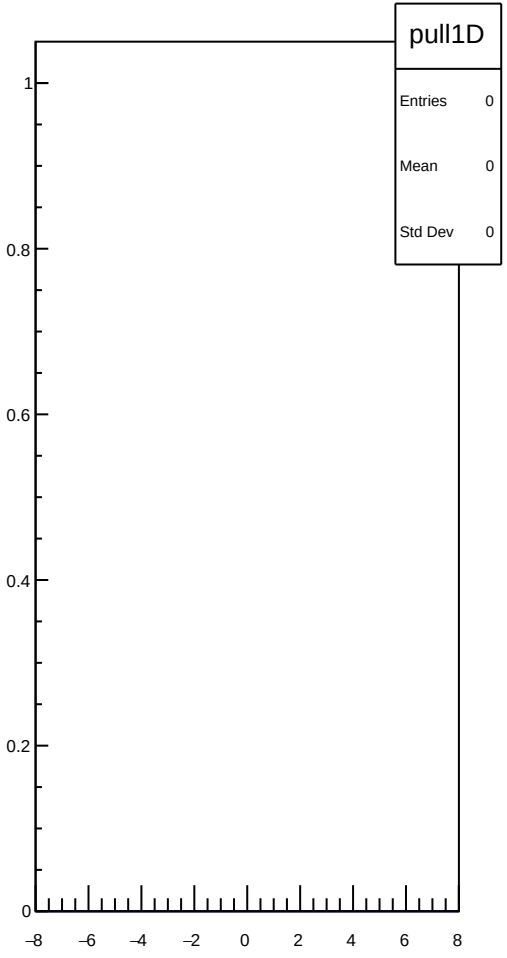

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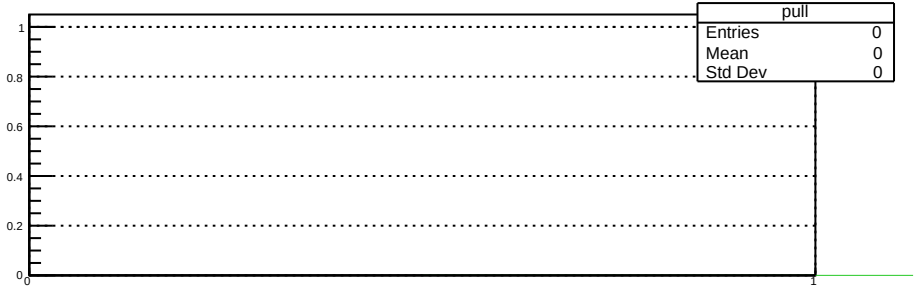

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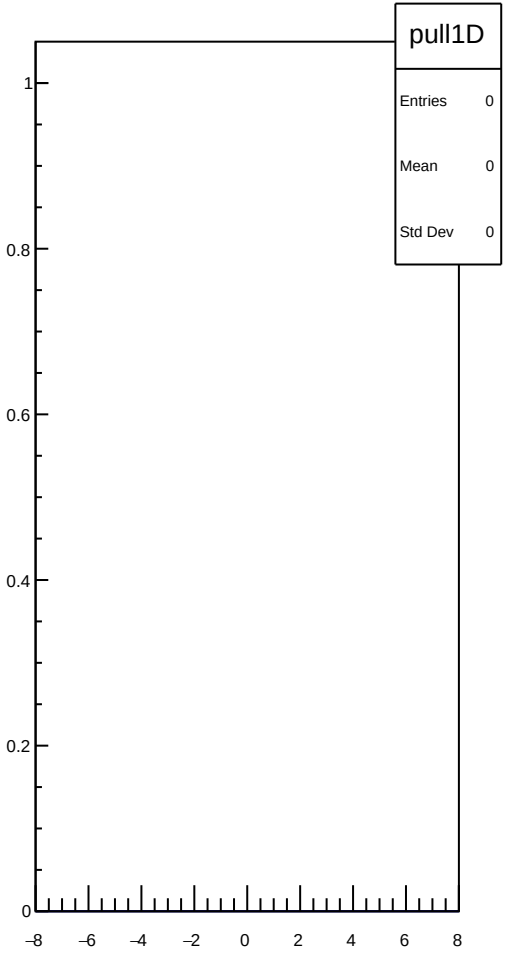

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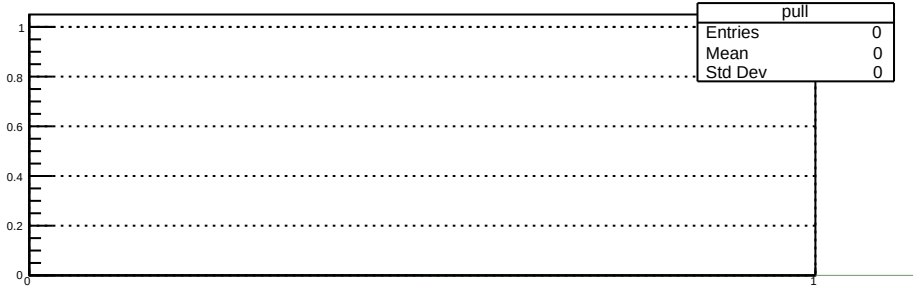

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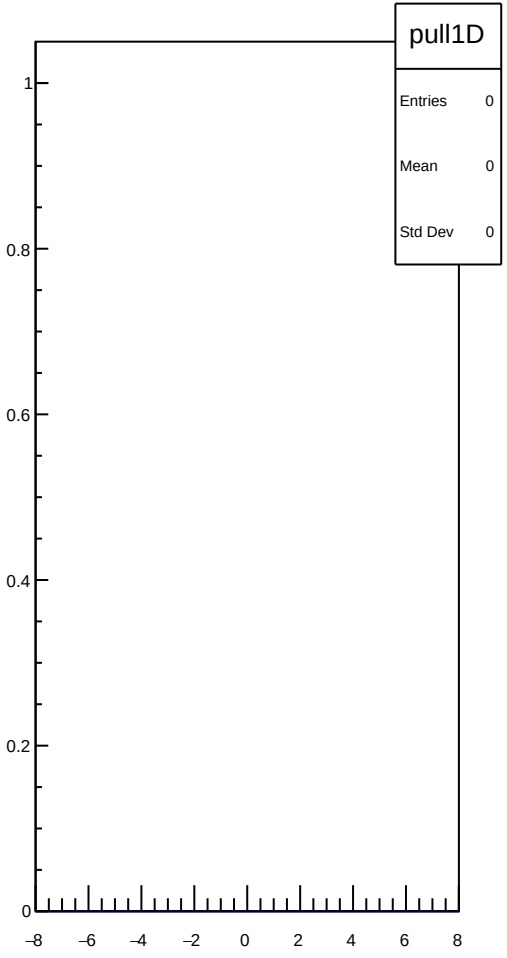

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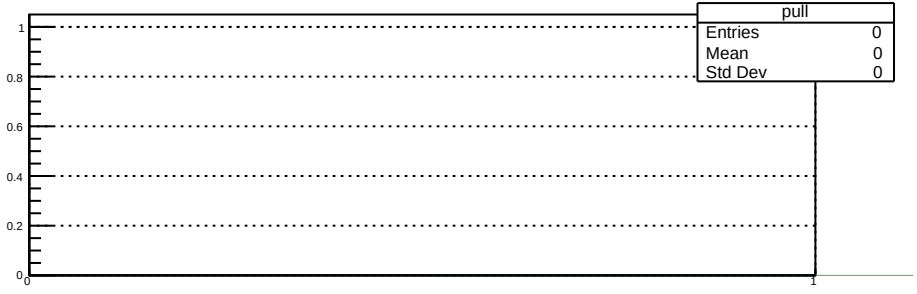

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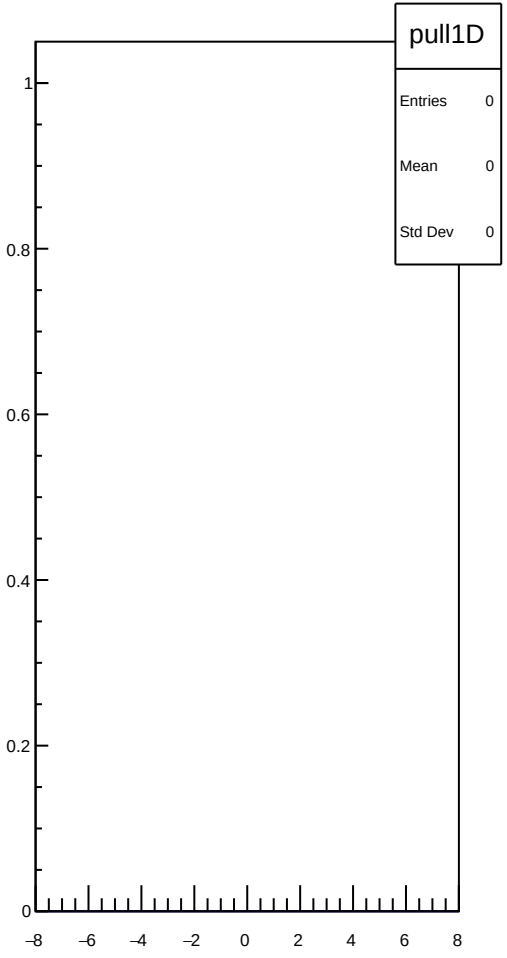

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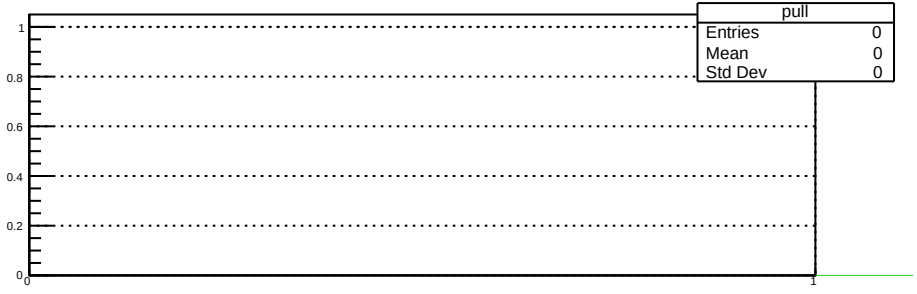

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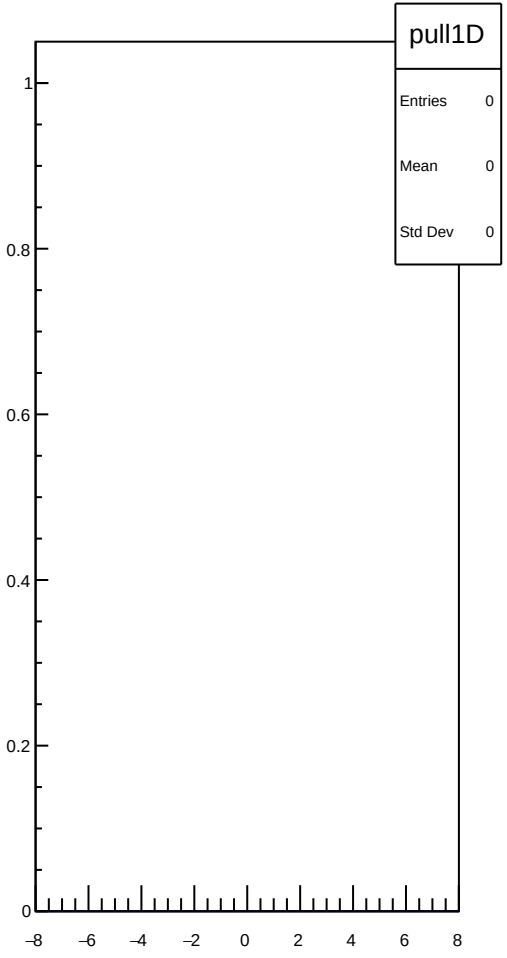

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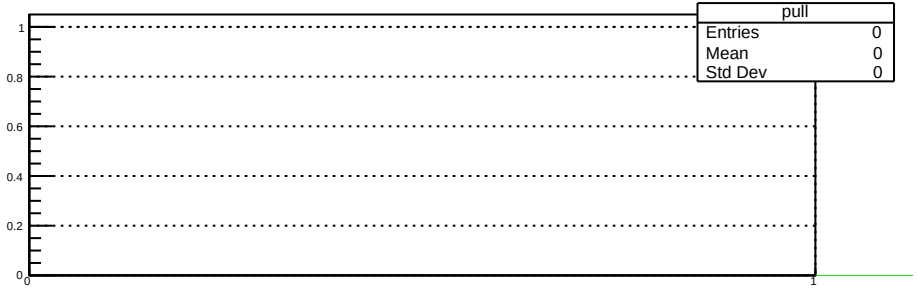

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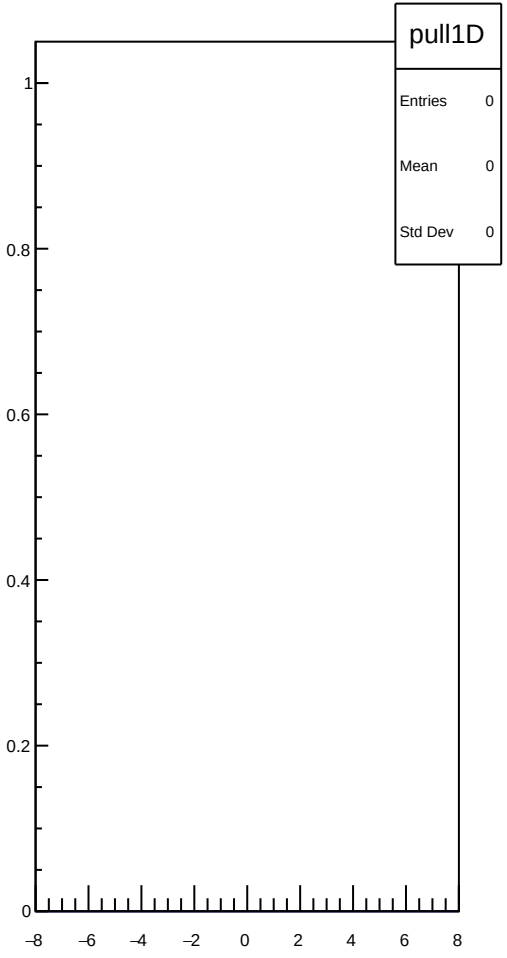

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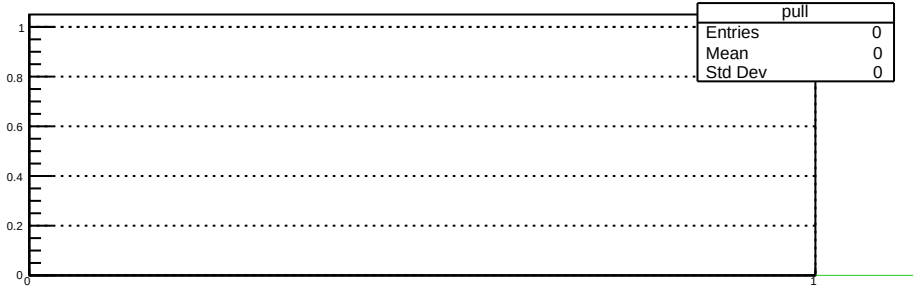

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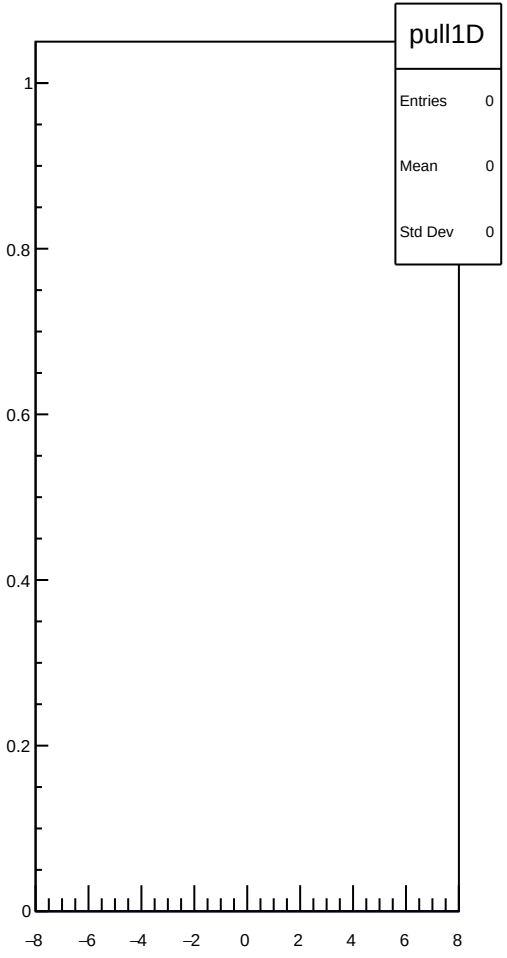

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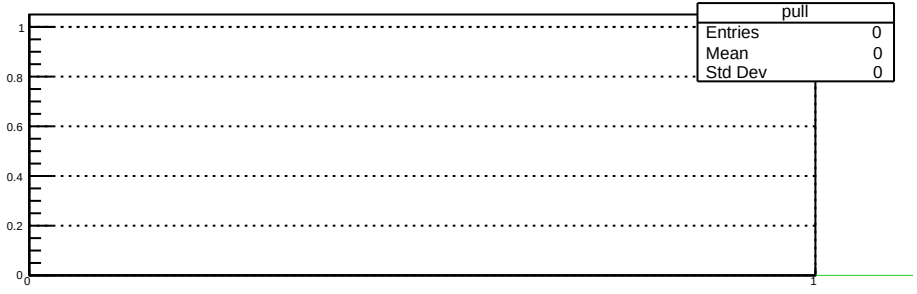

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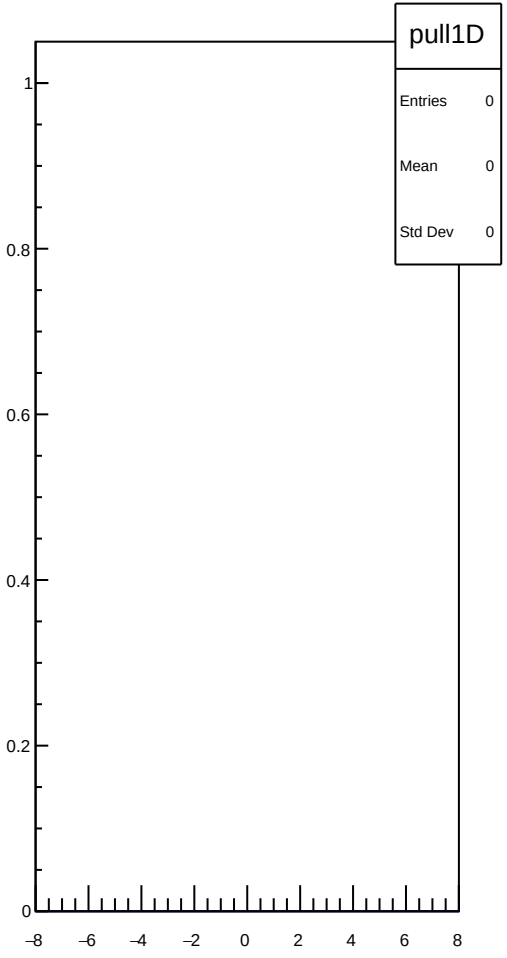

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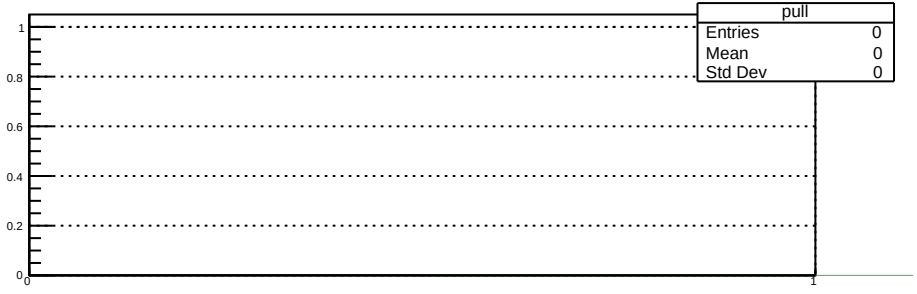

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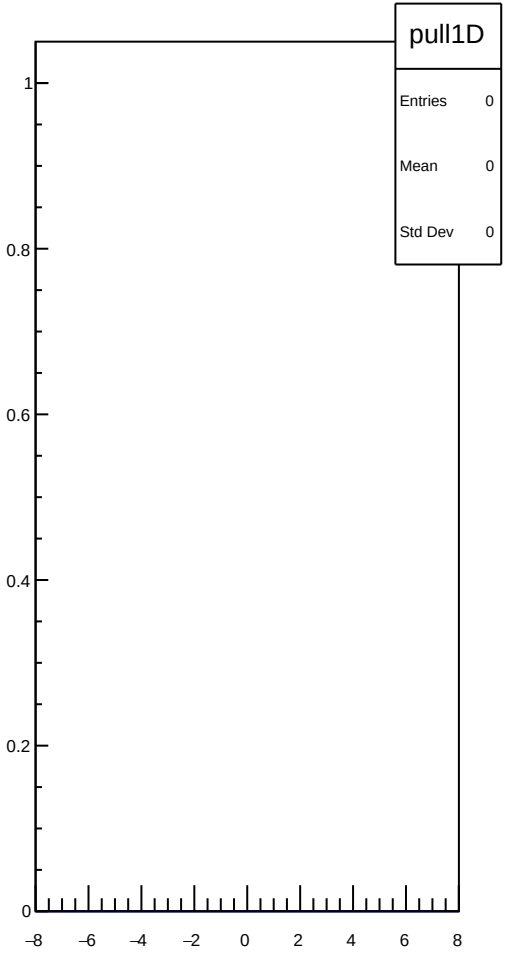

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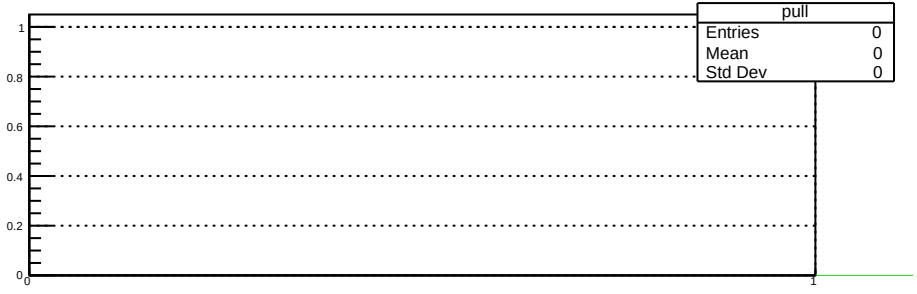

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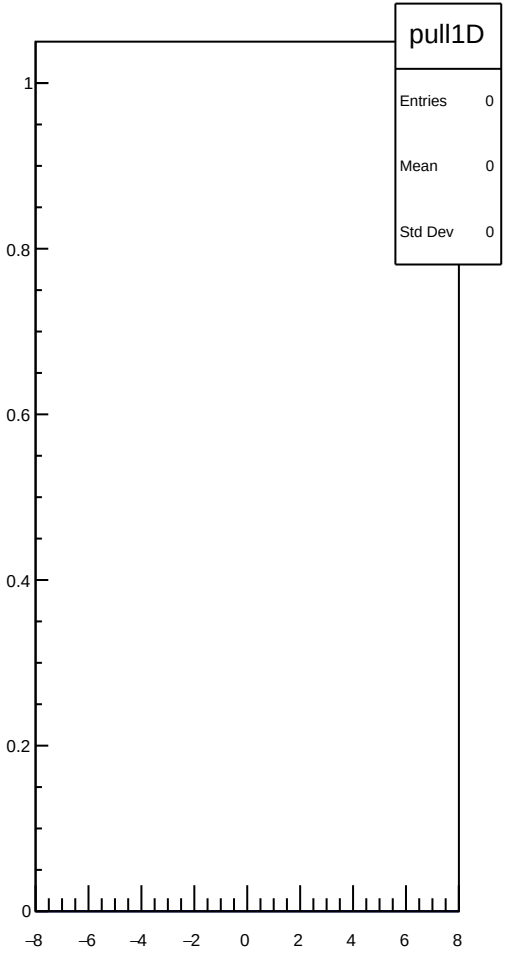

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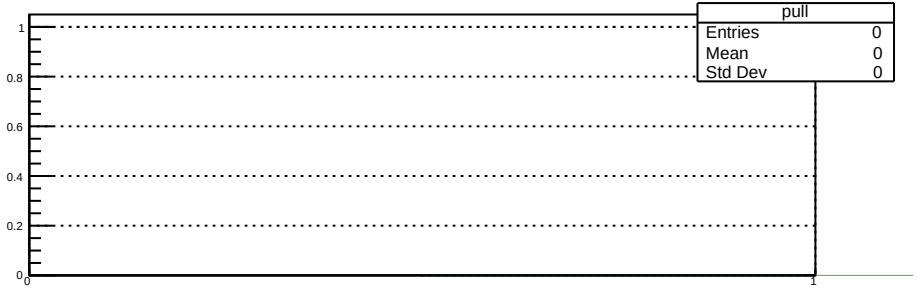

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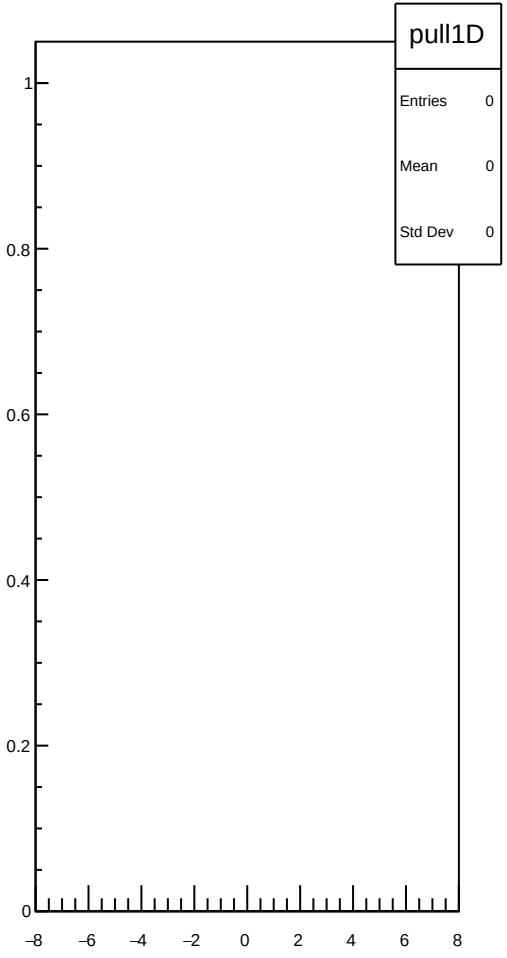

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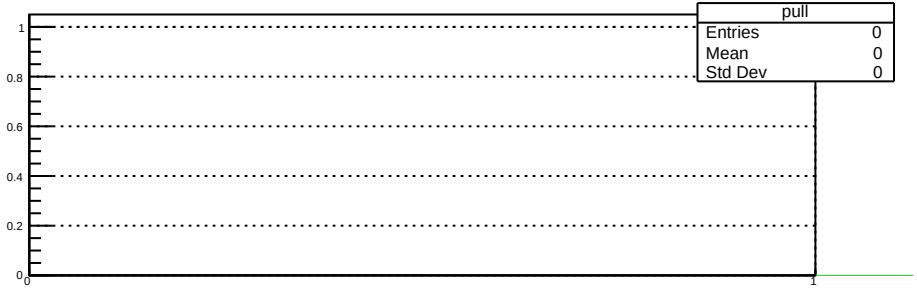

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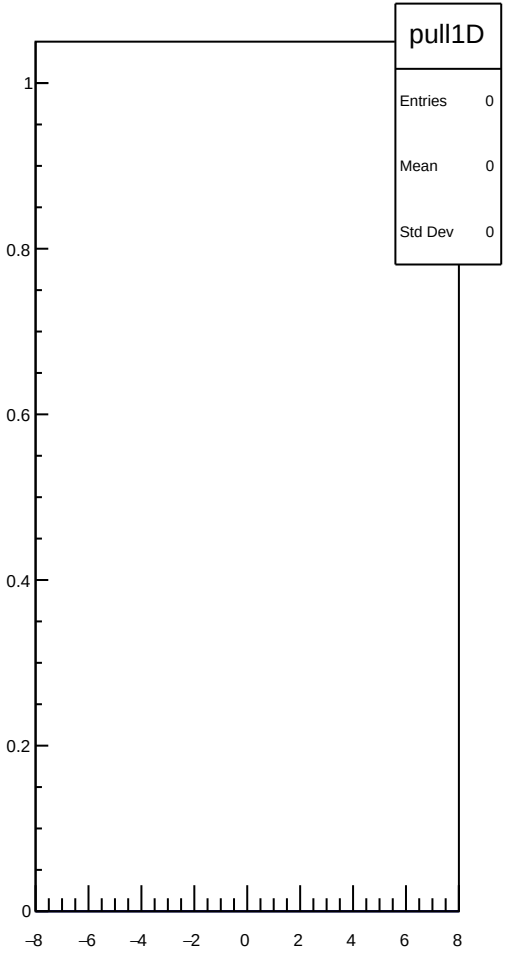

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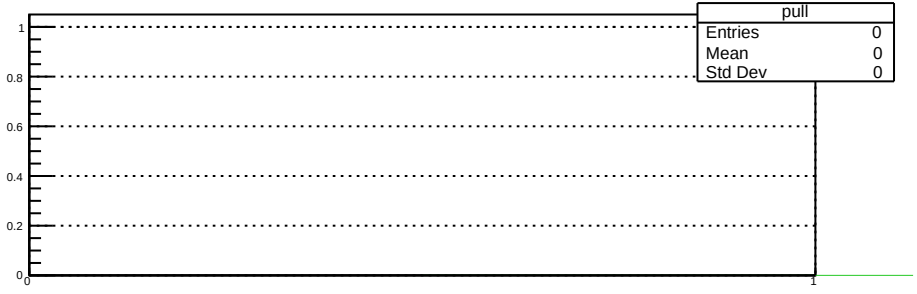

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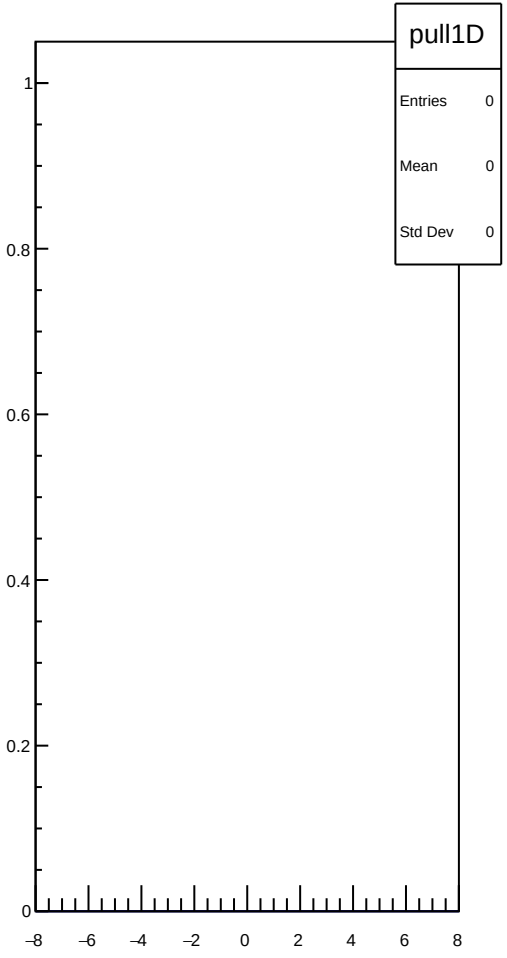

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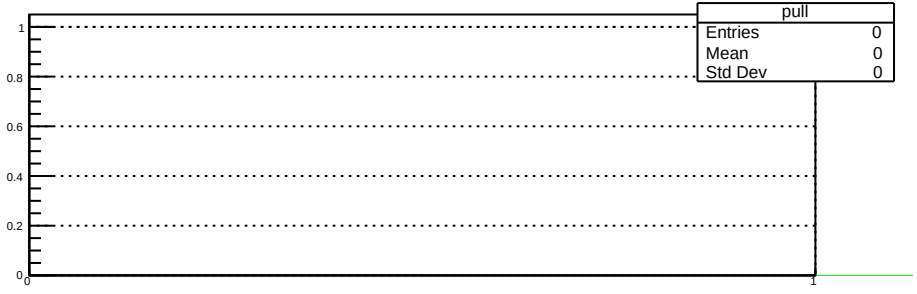

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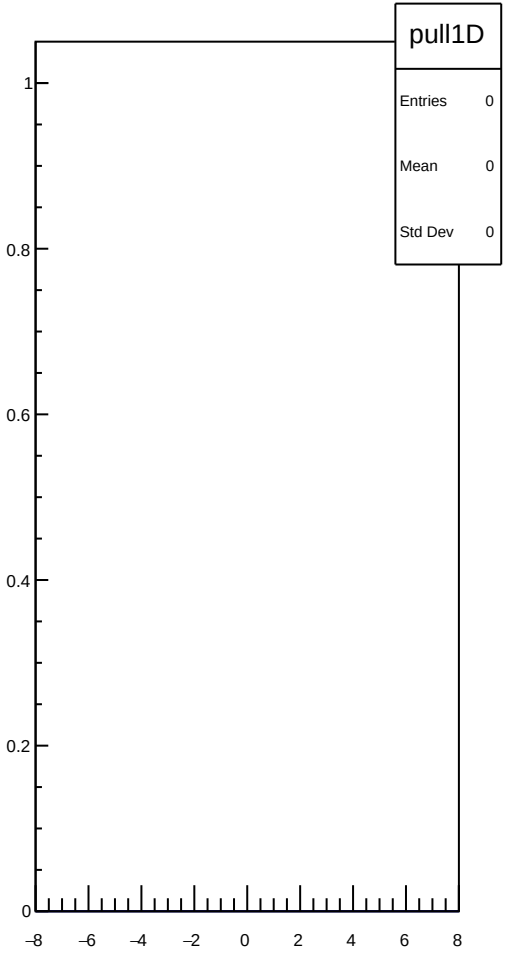

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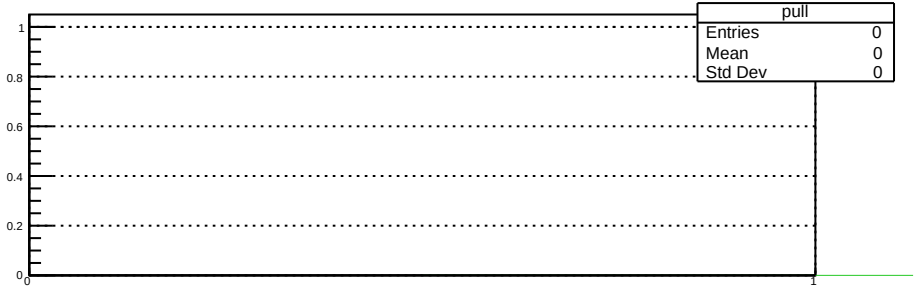

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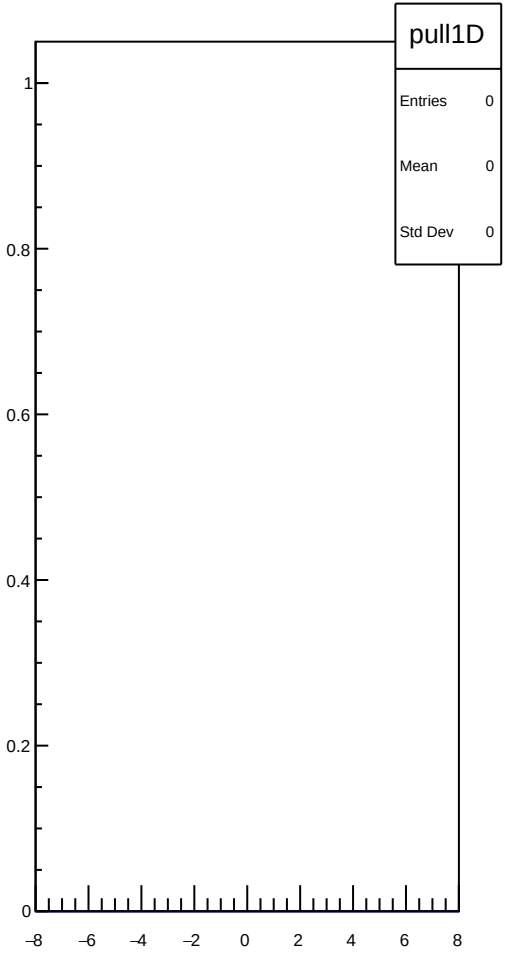

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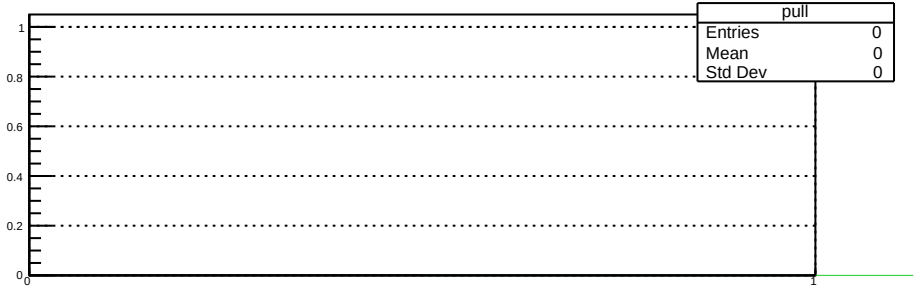

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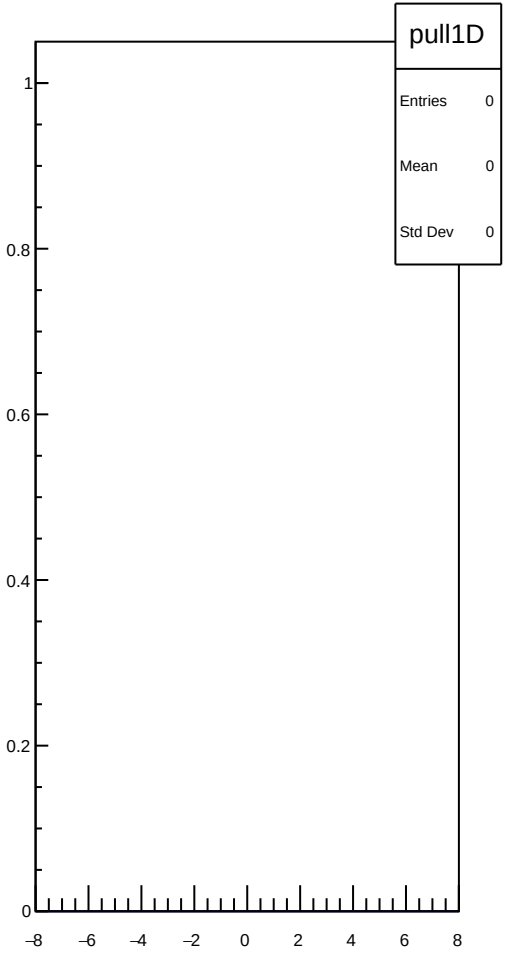

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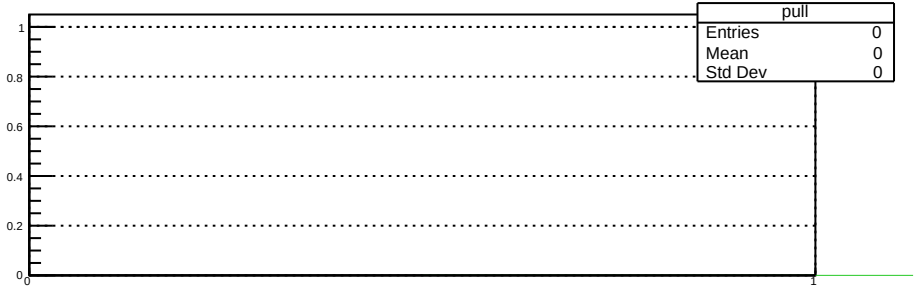

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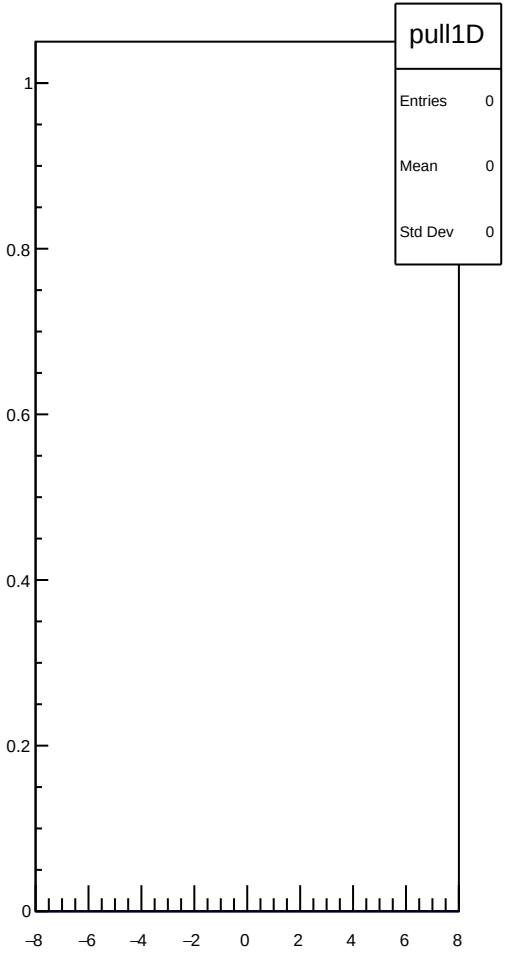

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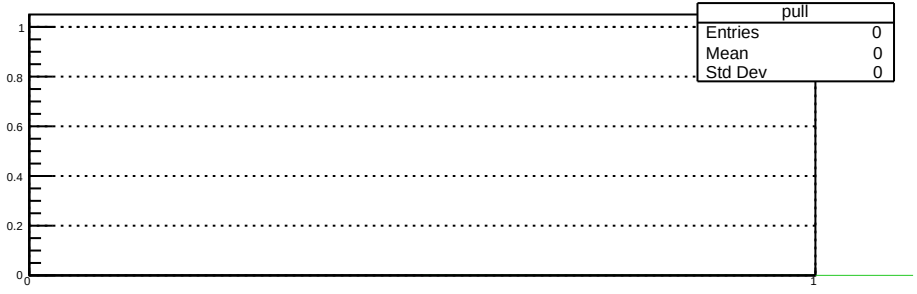

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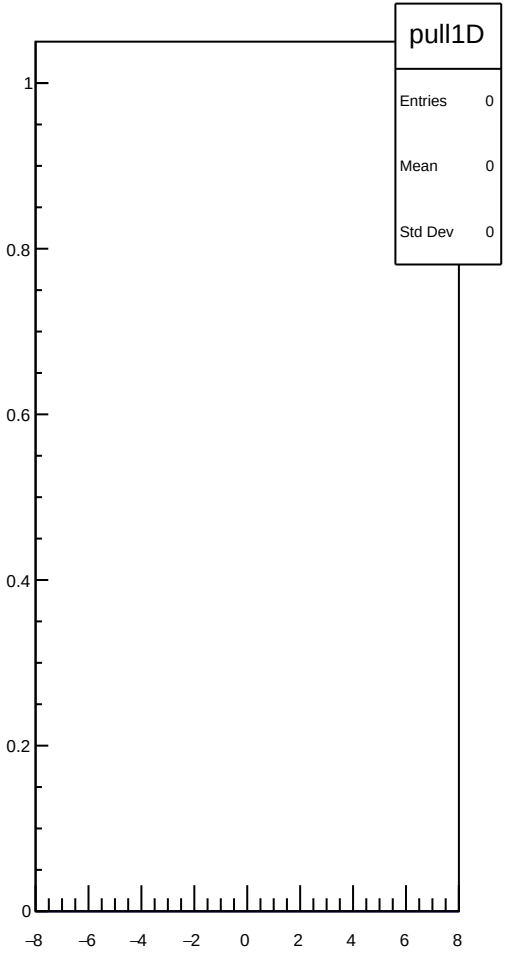

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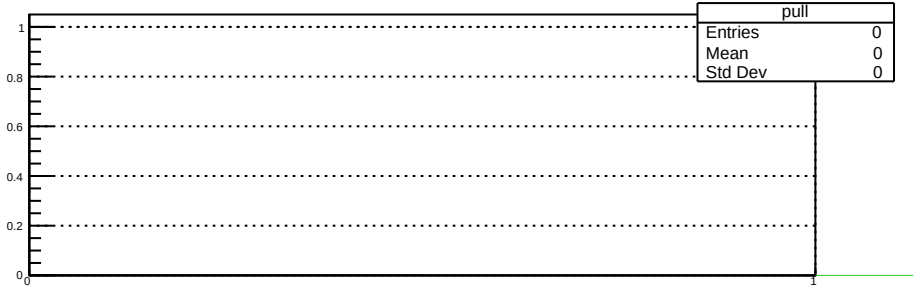

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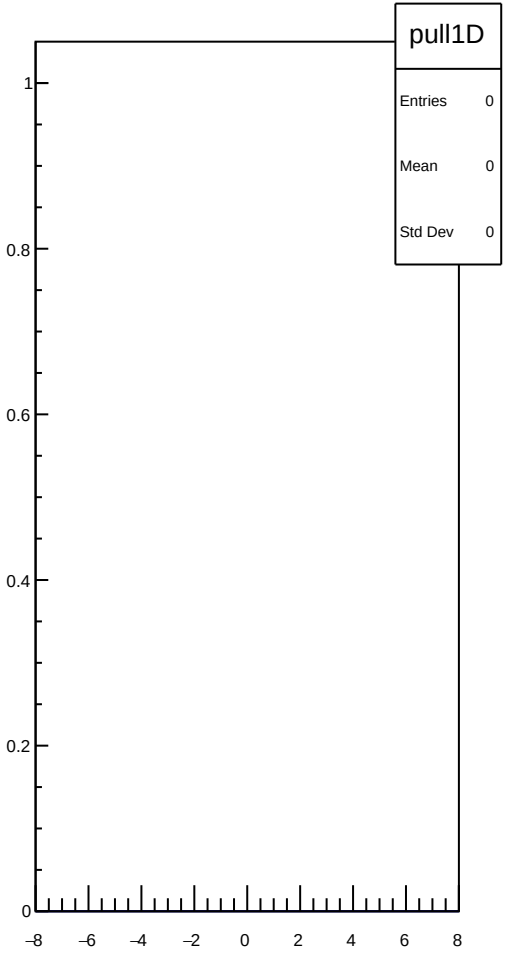

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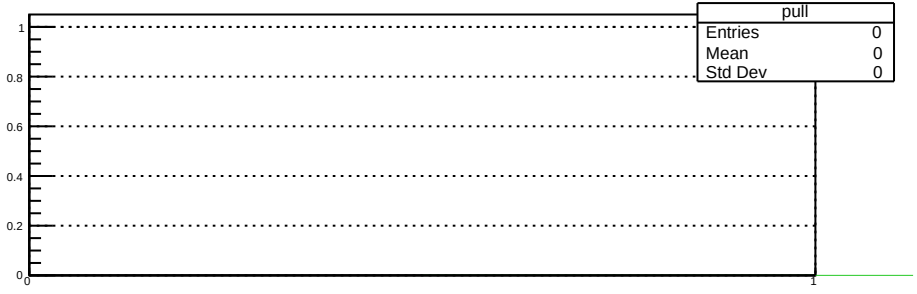

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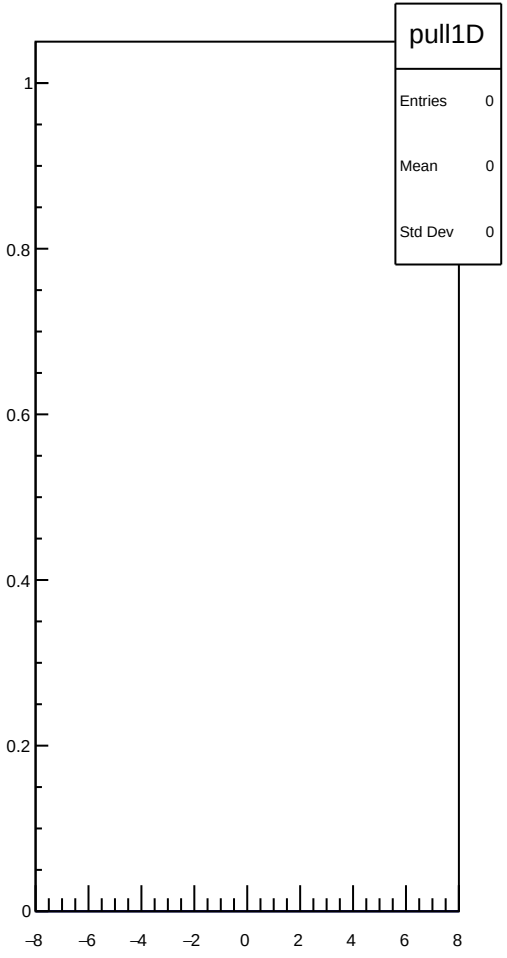

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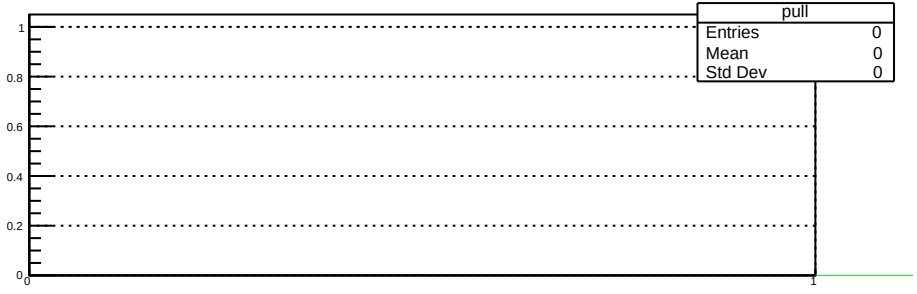

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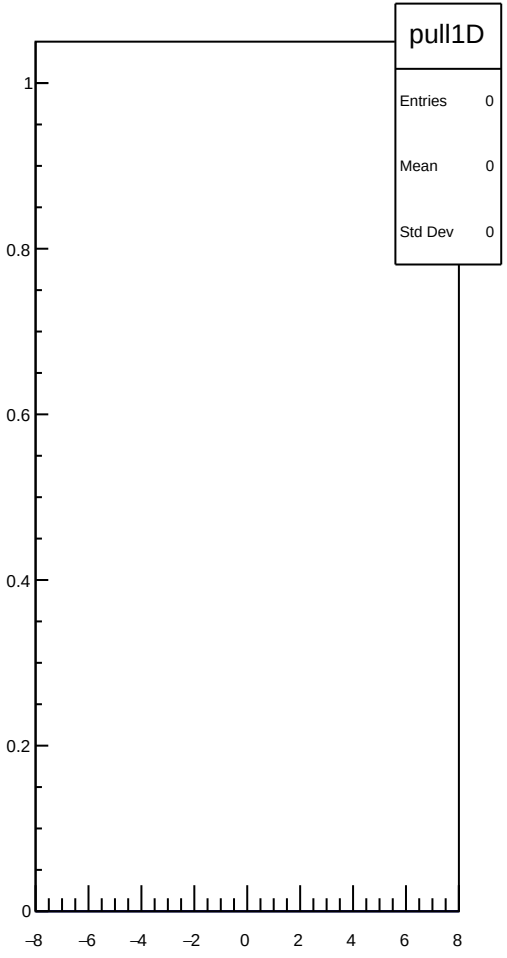

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Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
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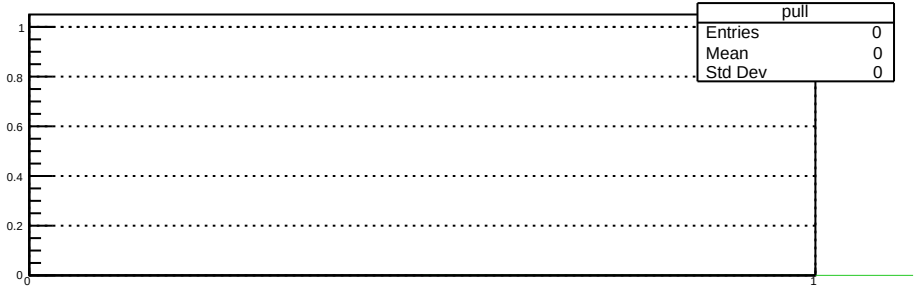

pull1D
Entries 0
Mean 0
Std Dev 0
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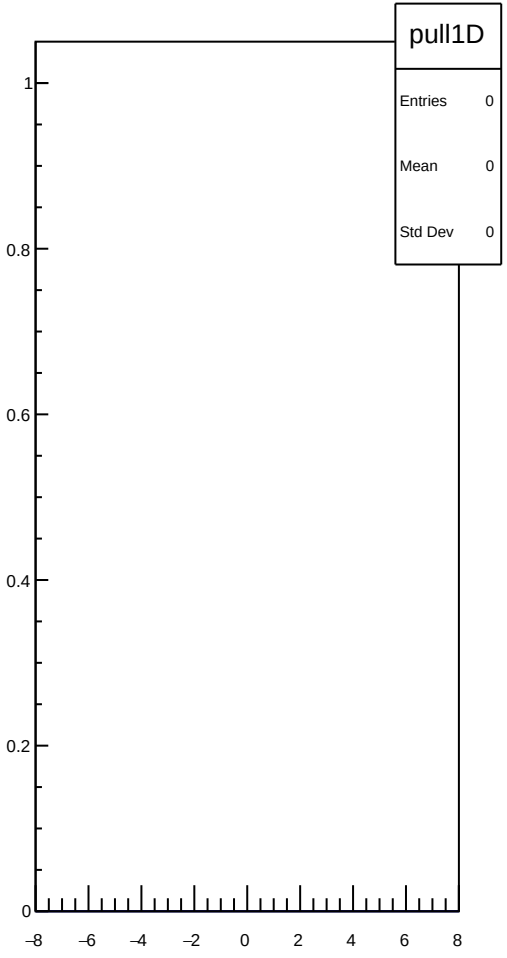

pull
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Std Dev 0
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0.6
0.4
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1

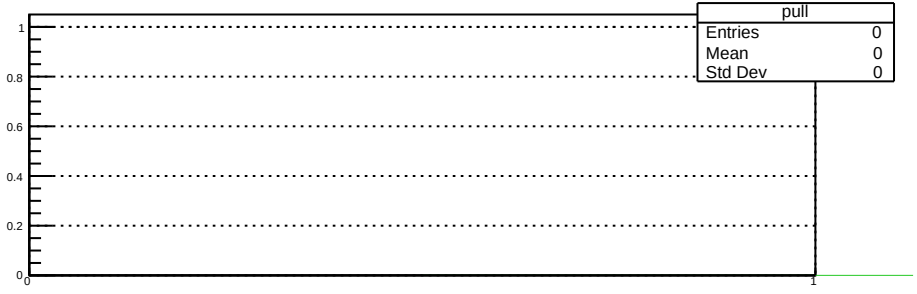

pull1D
Entries 0
Mean 0
Std Dev 0
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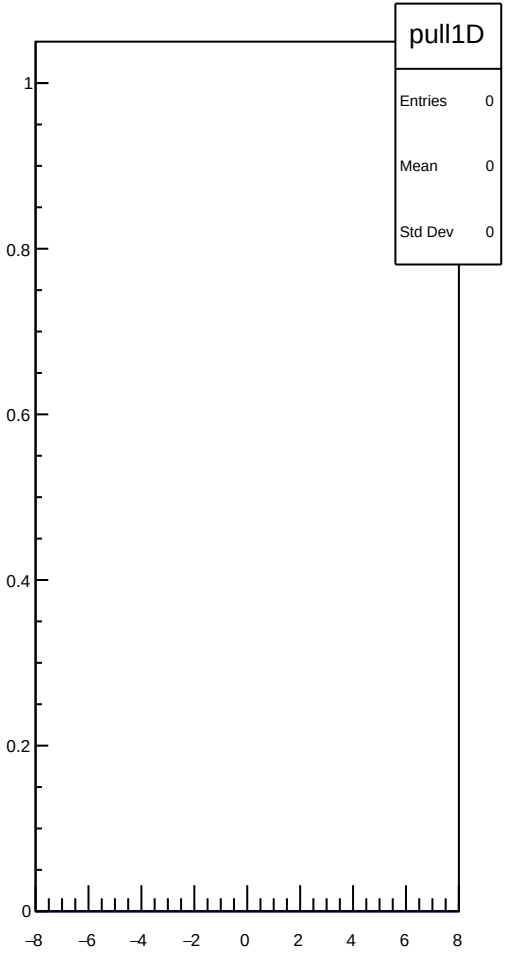

pull
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Std Dev 0
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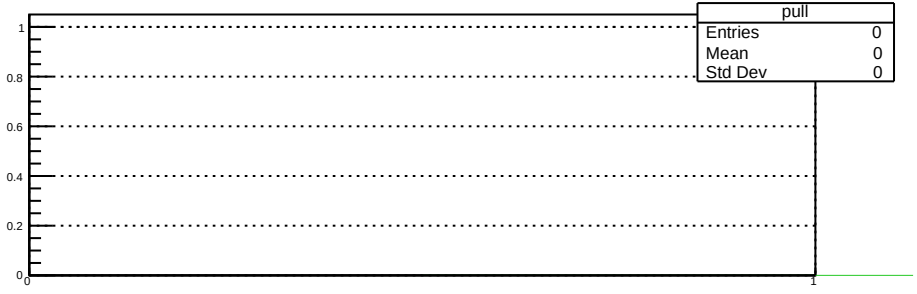

pull1D
Entries 0
Mean 0
Std Dev 0
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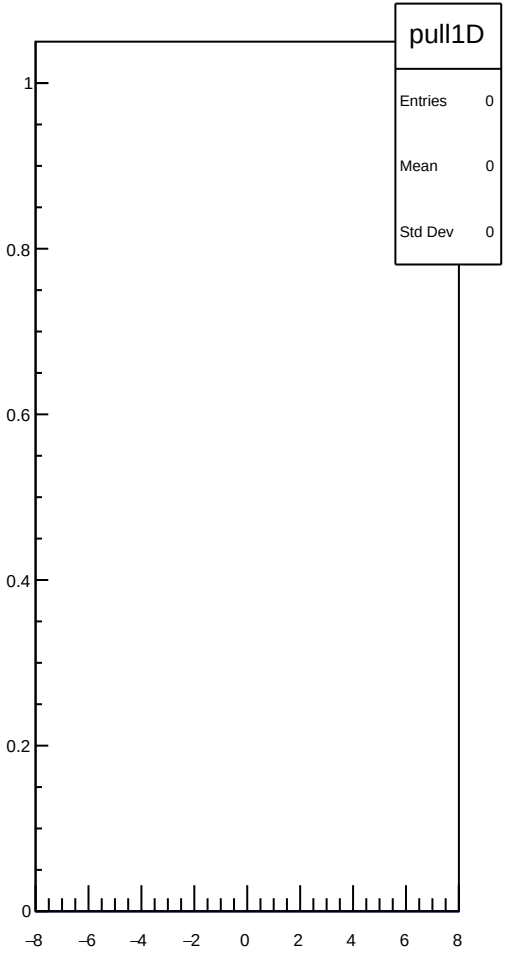

pull
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Std Dev 0
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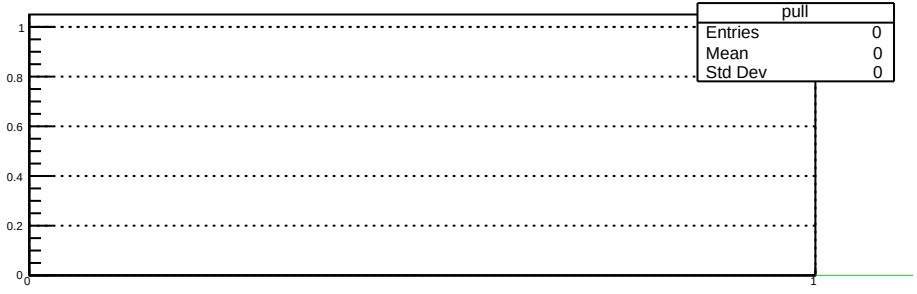

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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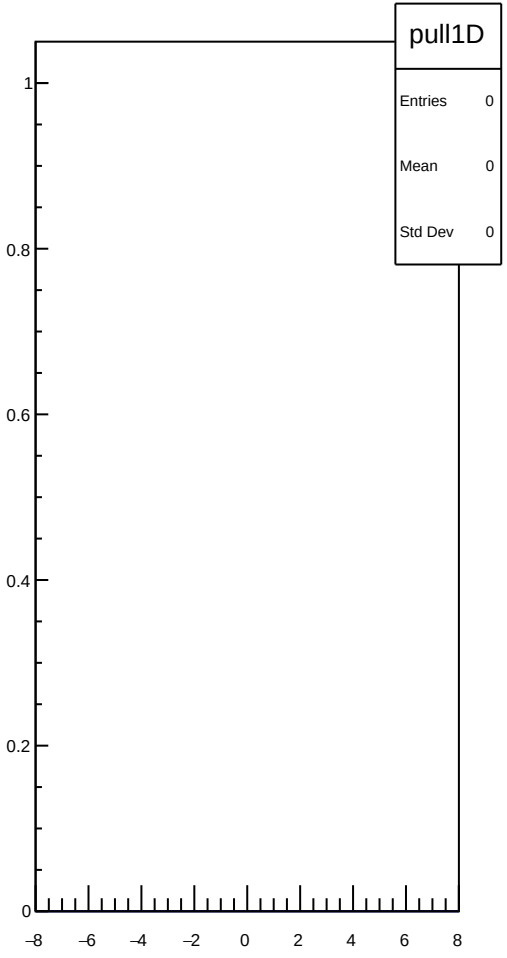

pull
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Mean 0
Std Dev 0
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0.6
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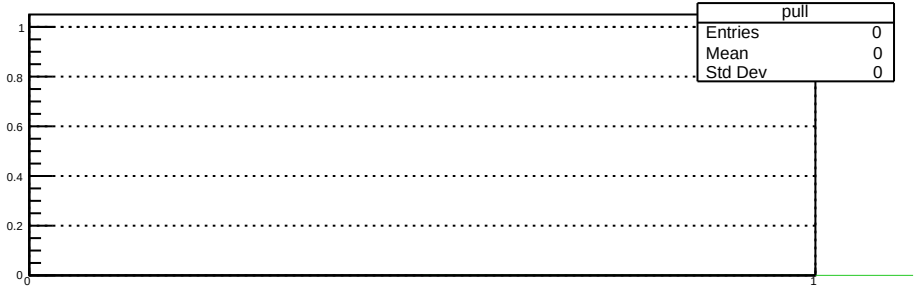

pull1D
Entries 0
Mean 0
Std Dev 0
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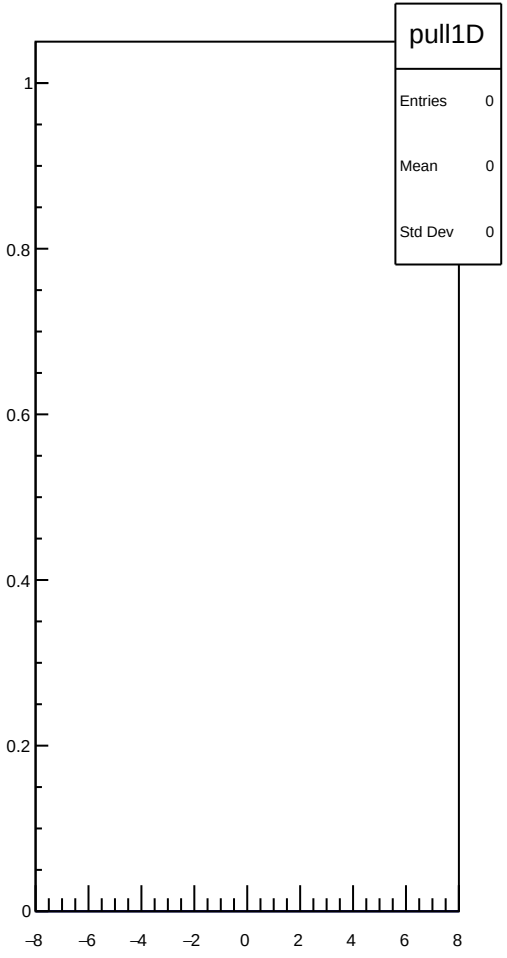

pull
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Std Dev 0
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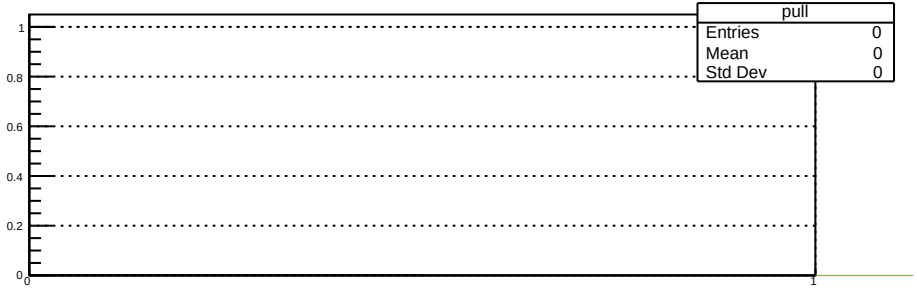

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Entries 0
Mean 0
Std Dev 0
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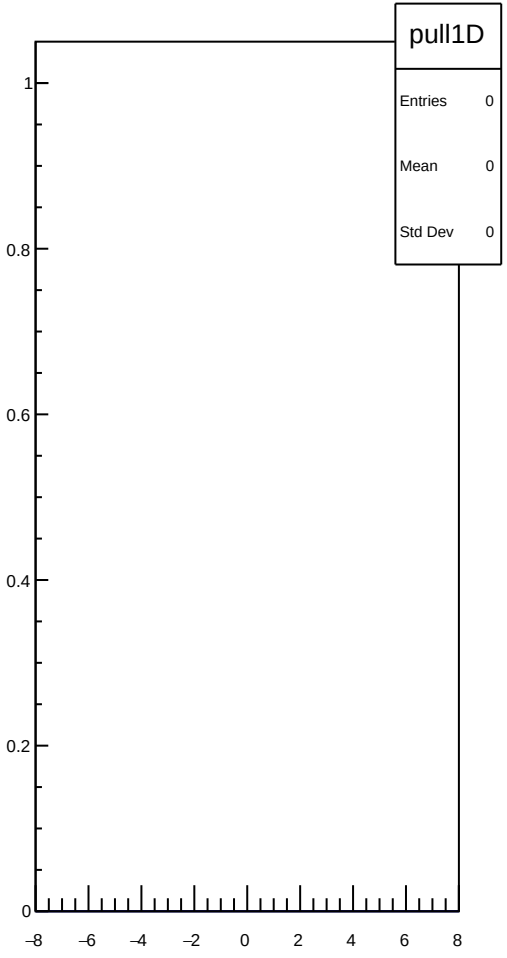

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Mean 0
Std Dev 0
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0.6
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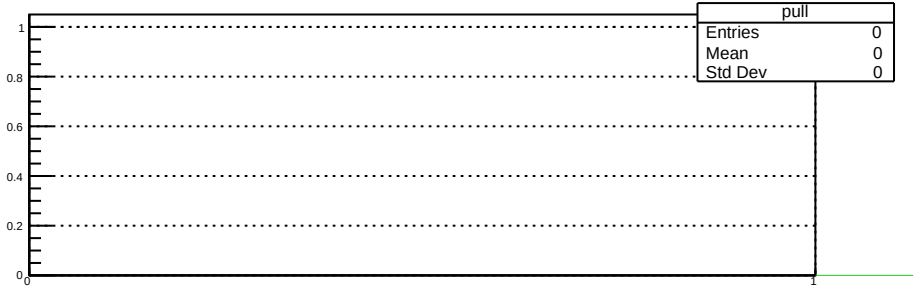

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Entries 0
Mean 0
Std Dev 0
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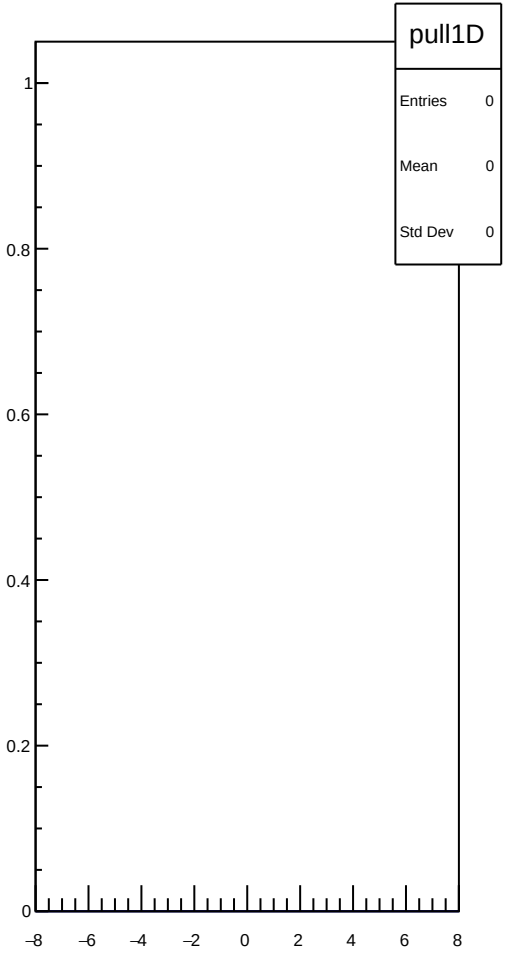

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Std Dev 0
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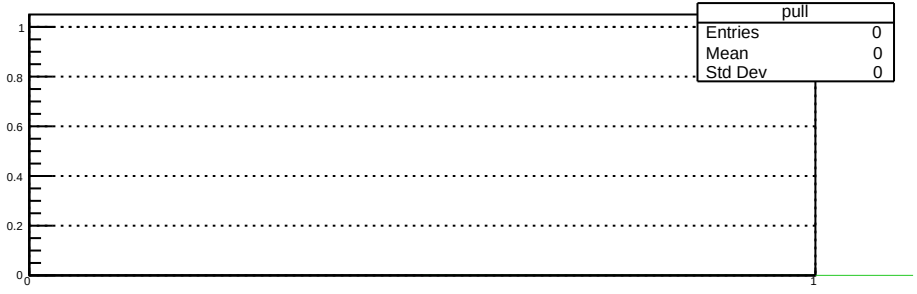

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Entries 0
Mean 0
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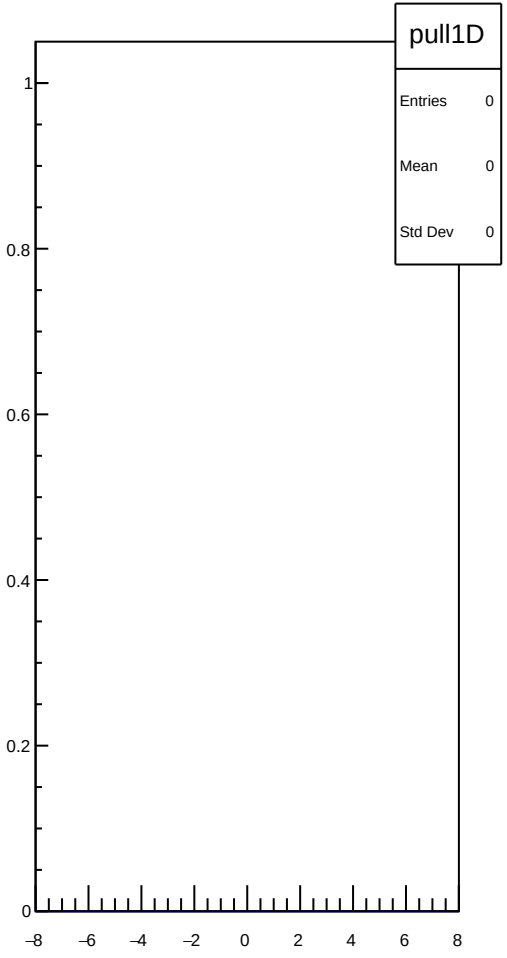

pull
Entries 0
Mean 0
Std Dev 0
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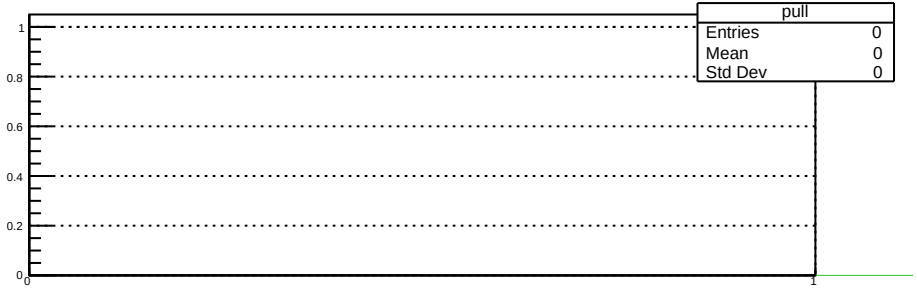

pull1D
Entries 0
Mean 0
Std Dev 0
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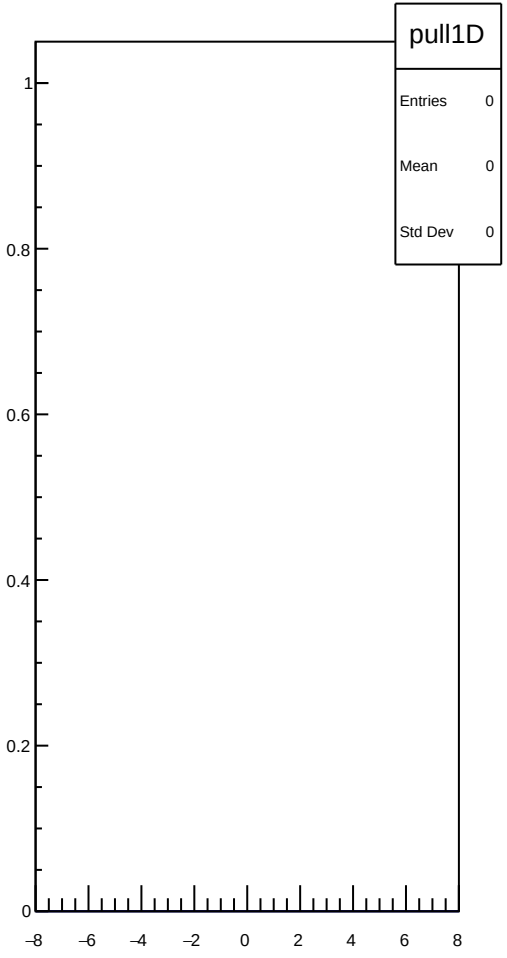

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Std Dev 0
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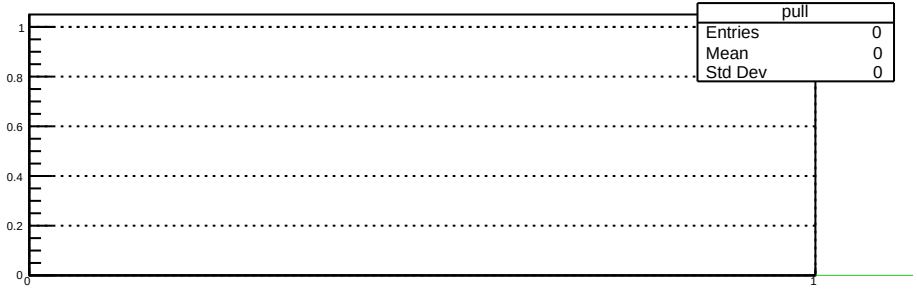

pull1D
Entries 0
Mean 0
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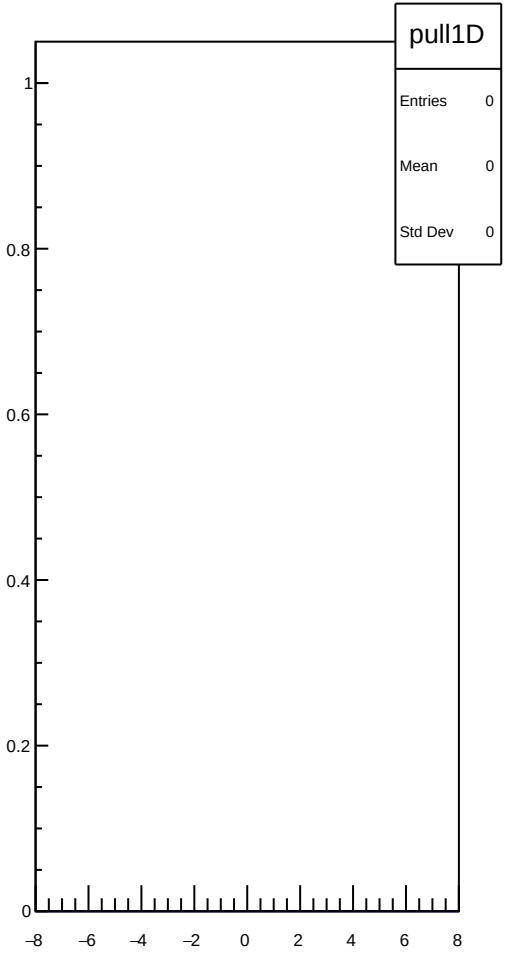

pull
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Std Dev 0
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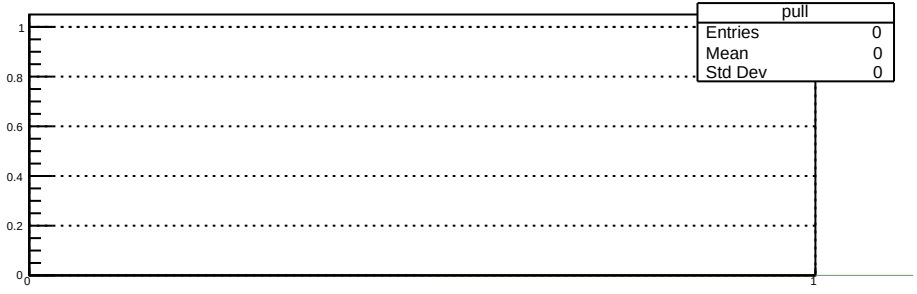

pull1D
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Mean 0
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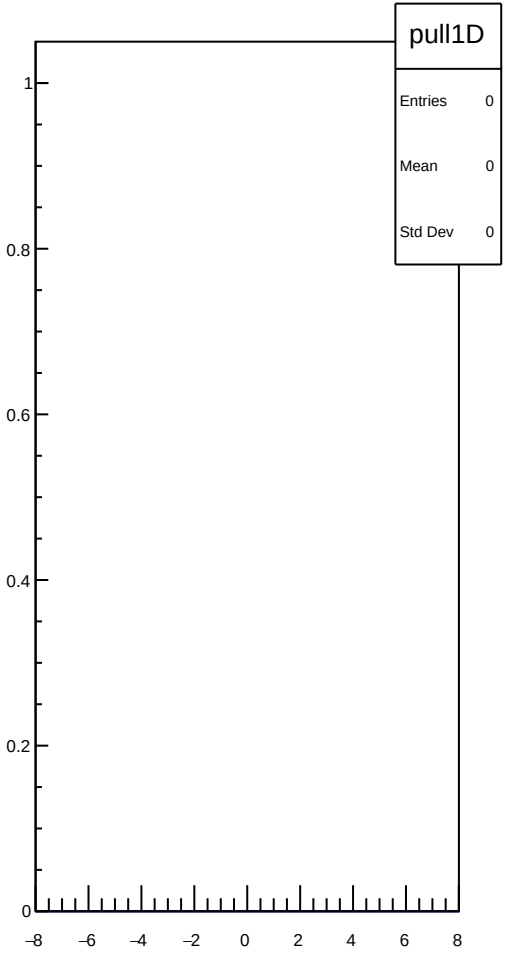

pull
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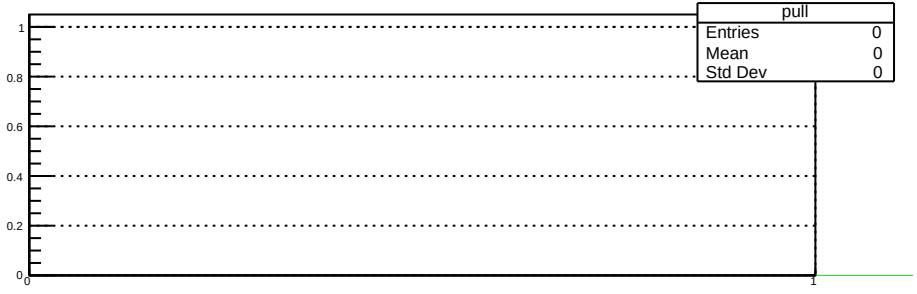

pull1D
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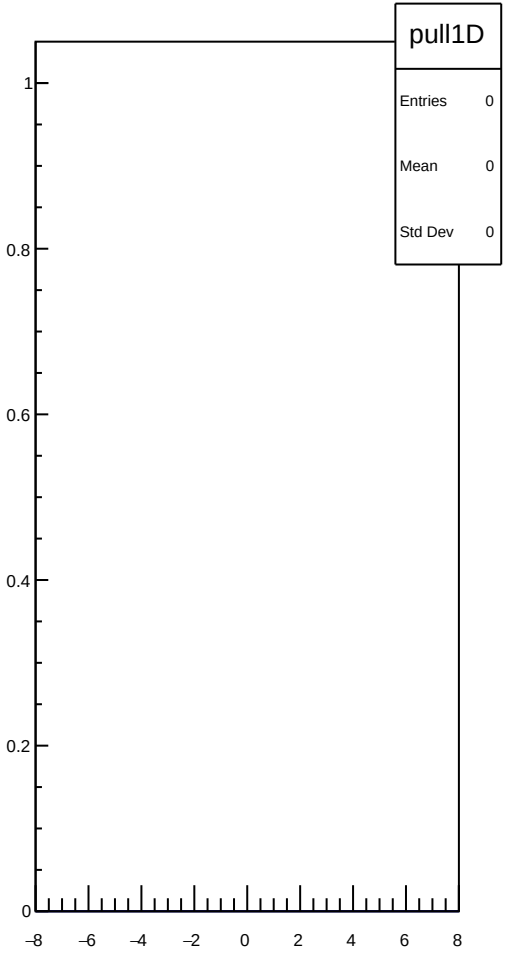

pull
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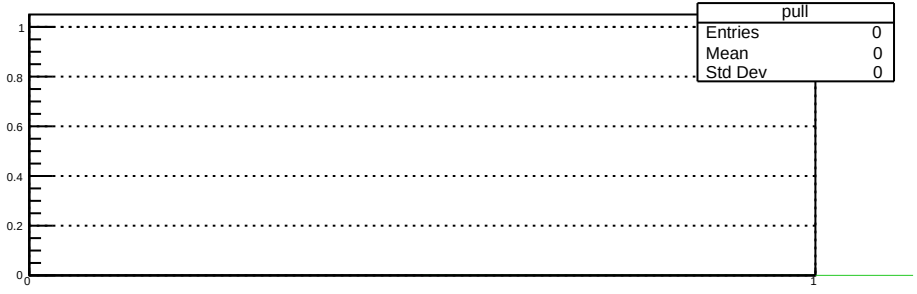

pull1D
Entries 0
Mean 0
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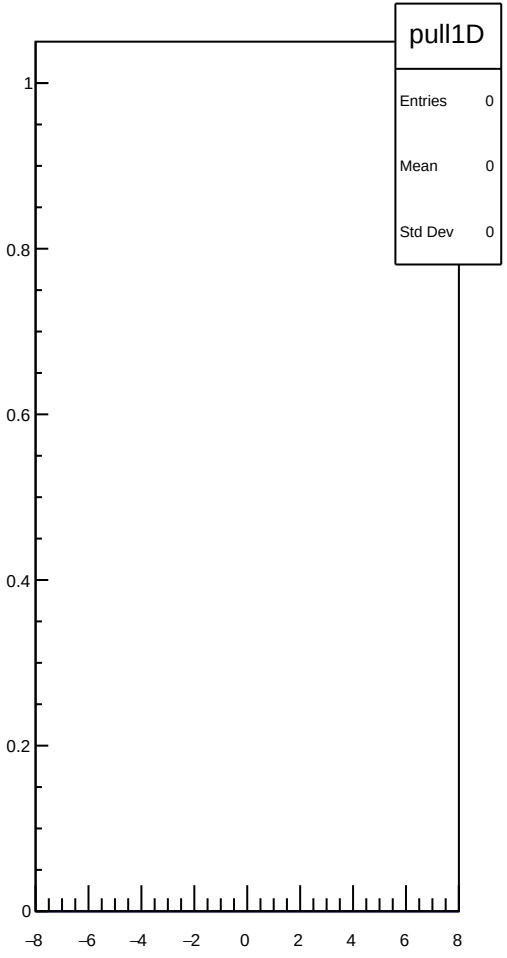

pull
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Std Dev 0
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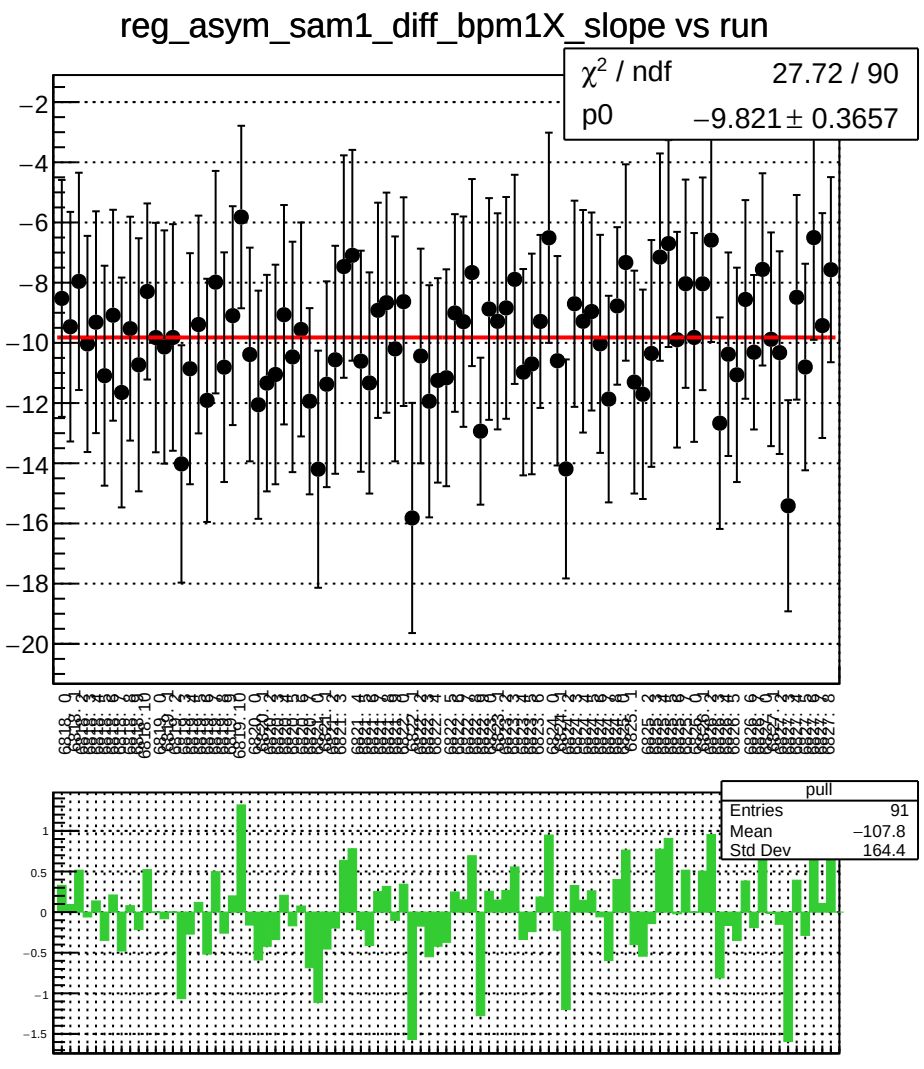

pull1D
Entries 0
Mean 0
Std Dev 0
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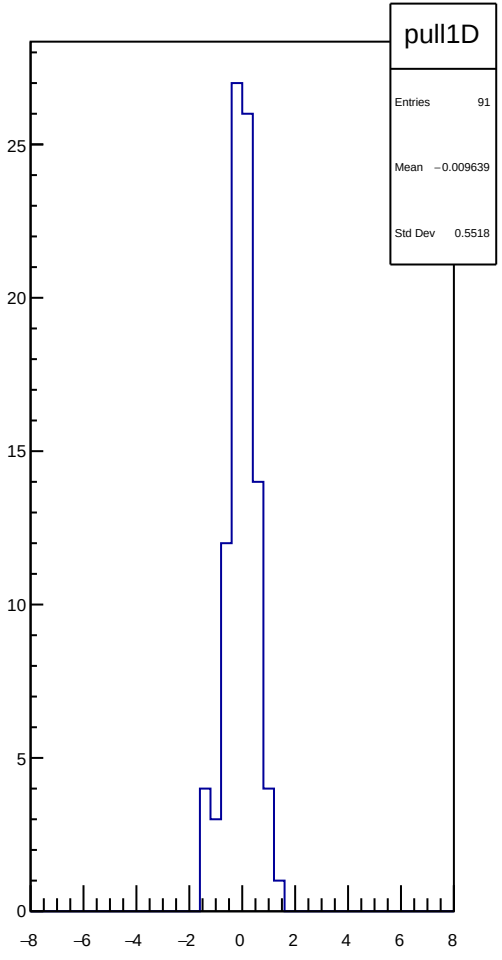

pull
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Std Dev 0
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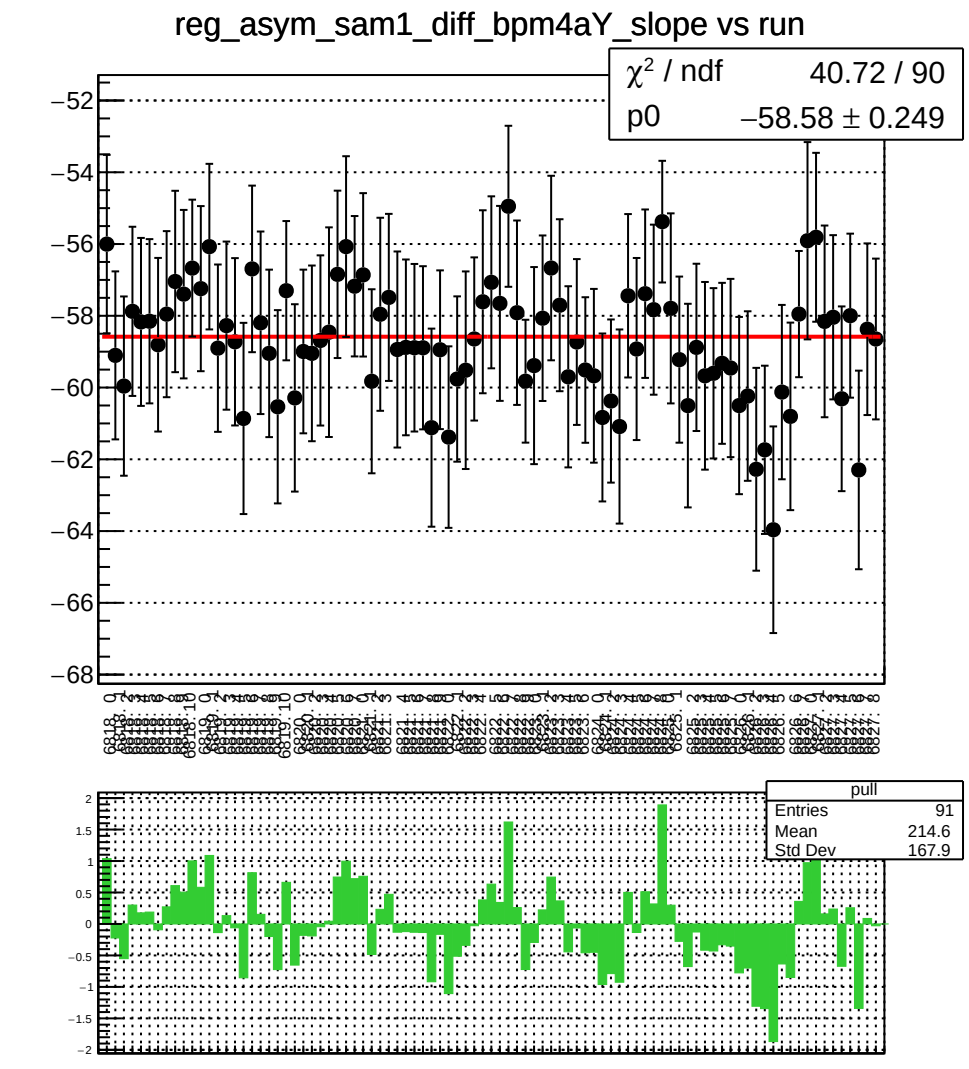

pull1D
Entries 0
Mean 0
Std Dev 0
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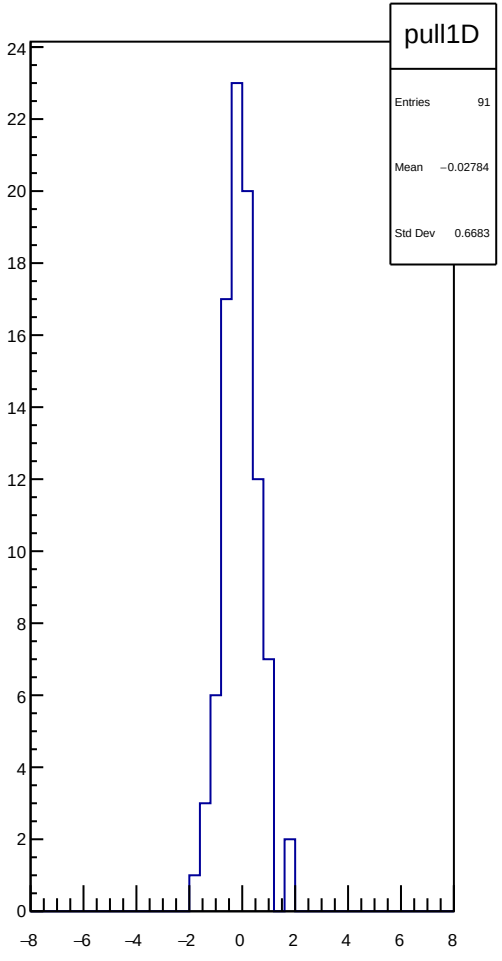

pull
Entries 0
Mean 0
Std Dev 0
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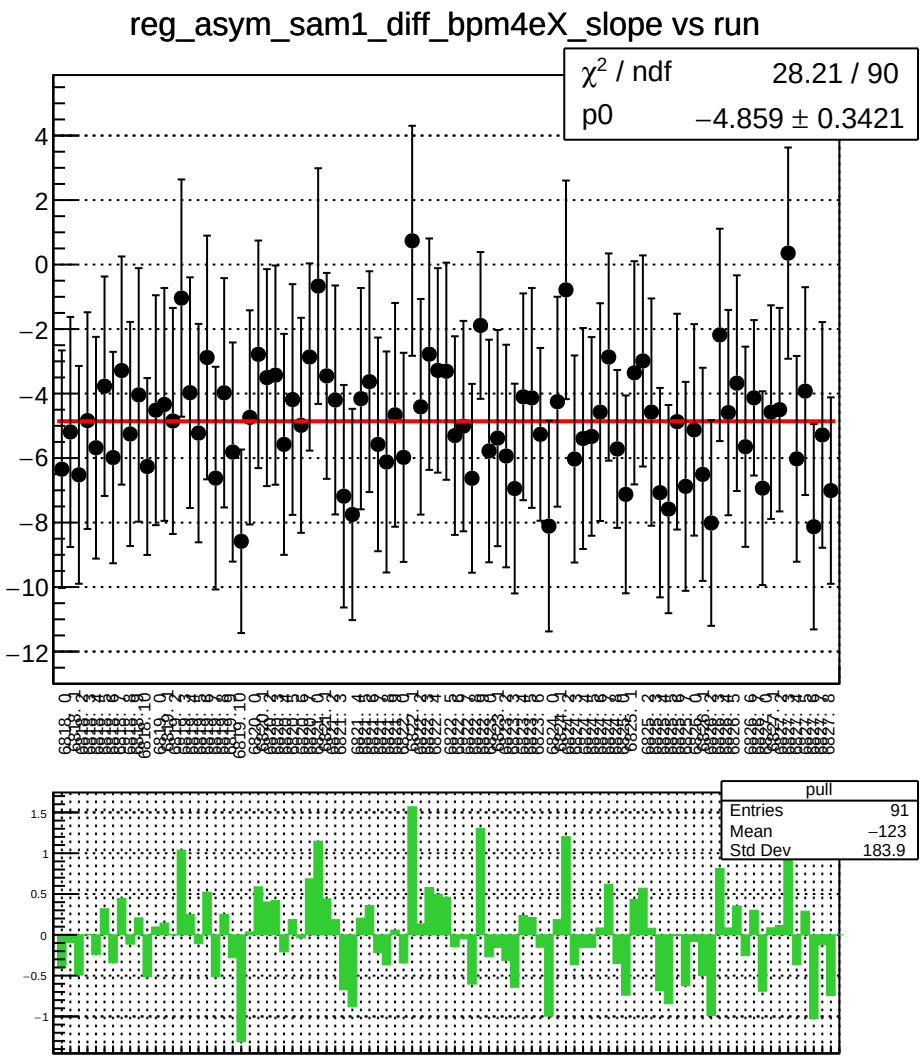

pull1D
Entries 0
Mean 0
Std Dev 0
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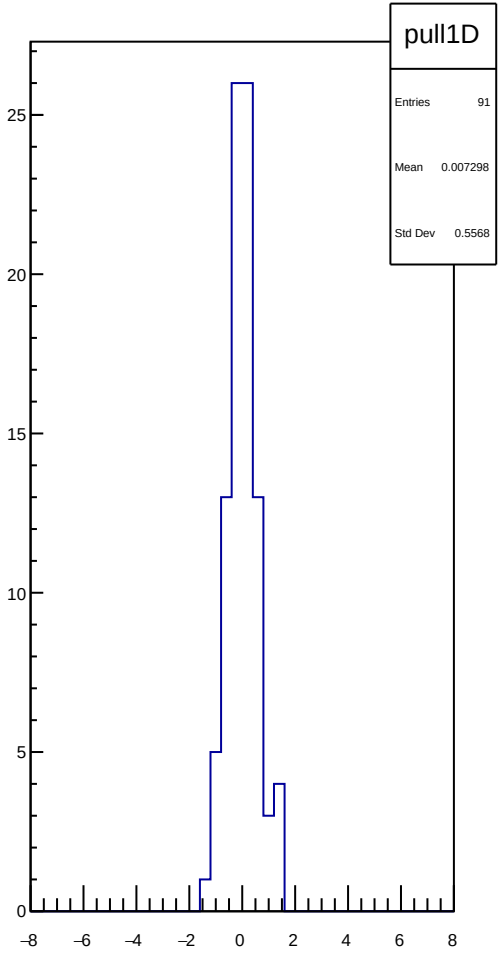

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 27.72 / 90
p0 −9.821 ± 0.3657
pull
Entries 91
Mean −107.8
Std Dev 164.4

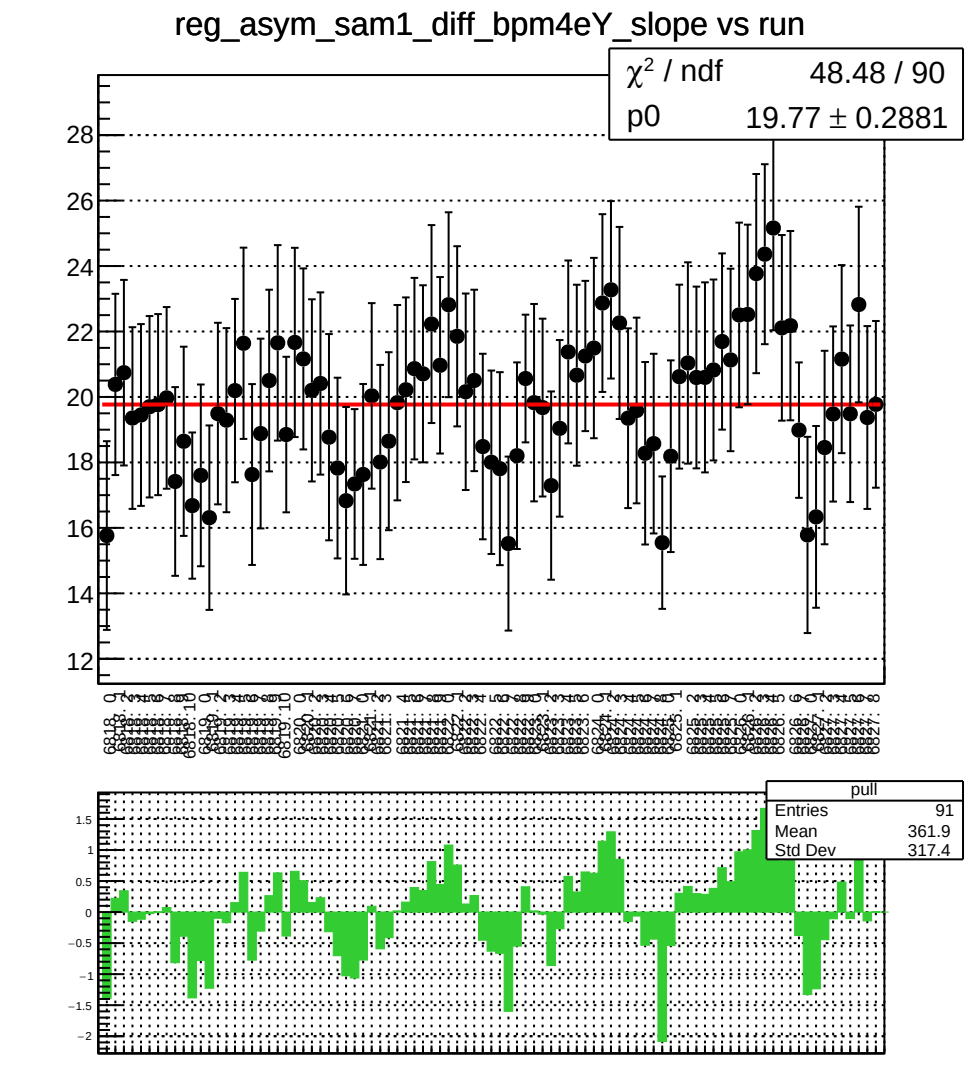

pull1D
Entries 91
Mean −0.009639
Std Dev 0.5518

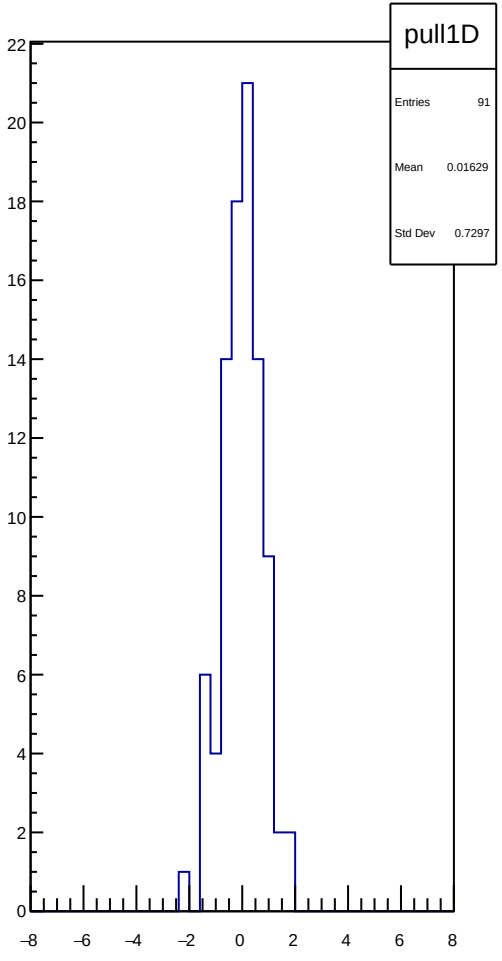

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 40.72 / 90
p0 −58.58 ± 0.249
pull
Entries 91
Mean 214.6
Std Dev 167.9

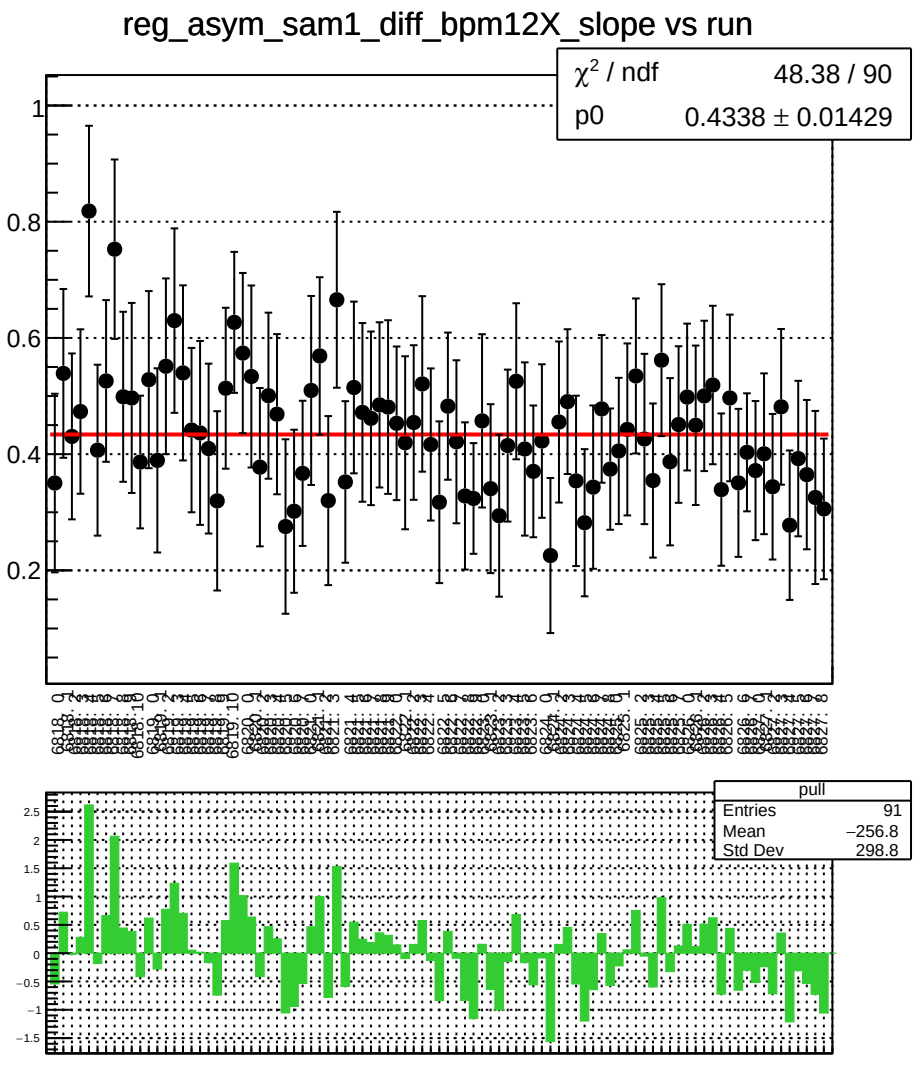

pull1D
Entries 91
Mean −0.02784
Std Dev 0.6683

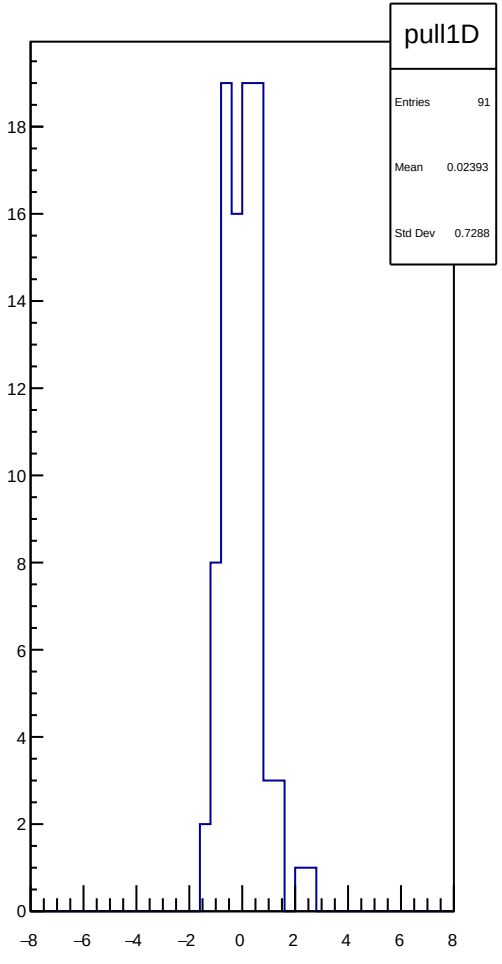

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 28.21 / 90
p0 −4.859 ± 0.3421
pull
Entries 91
Mean −123
Std Dev 183.9

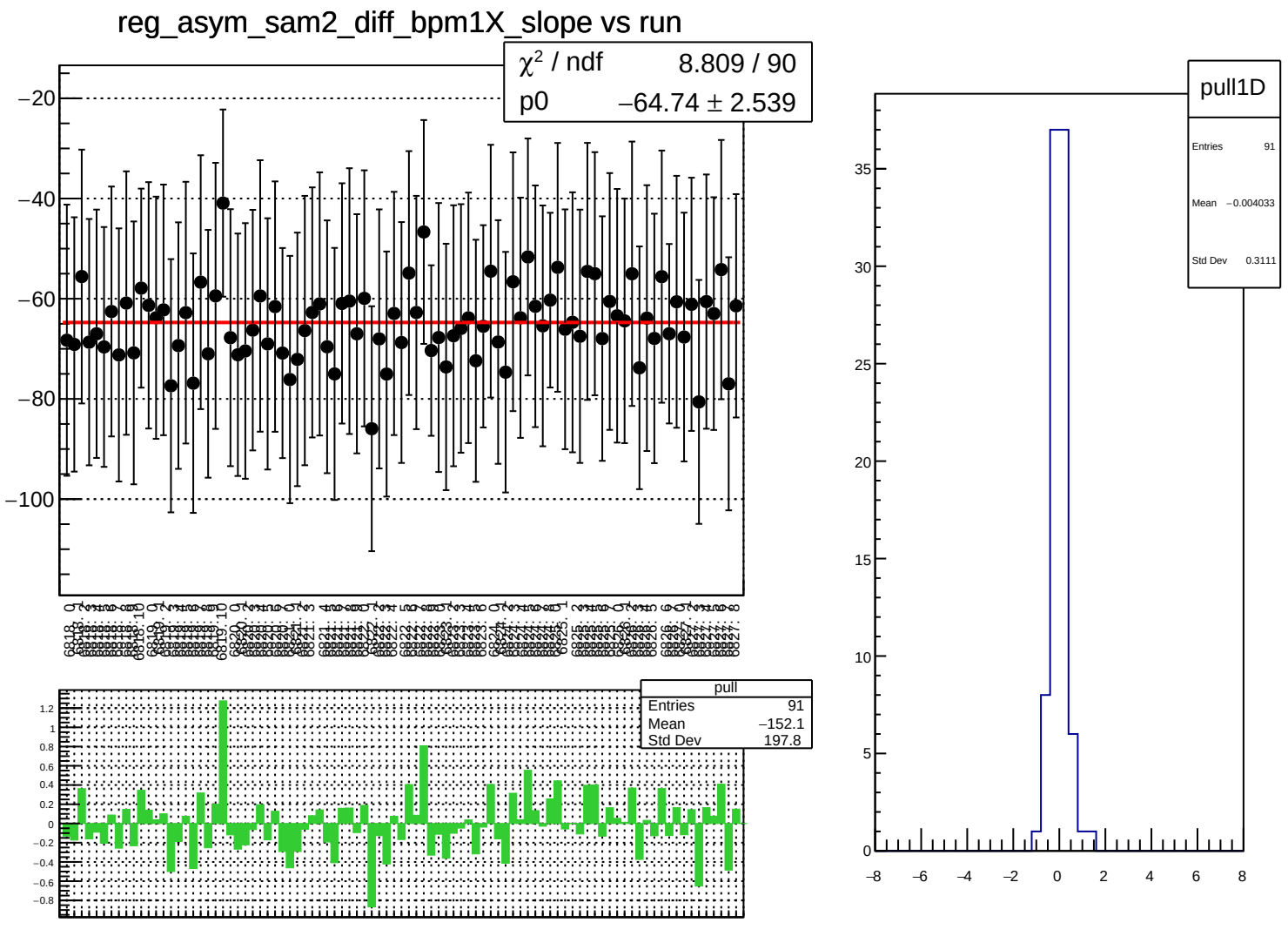

pull1D
Entries 91
Mean 0.007298
Std Dev 0.5568

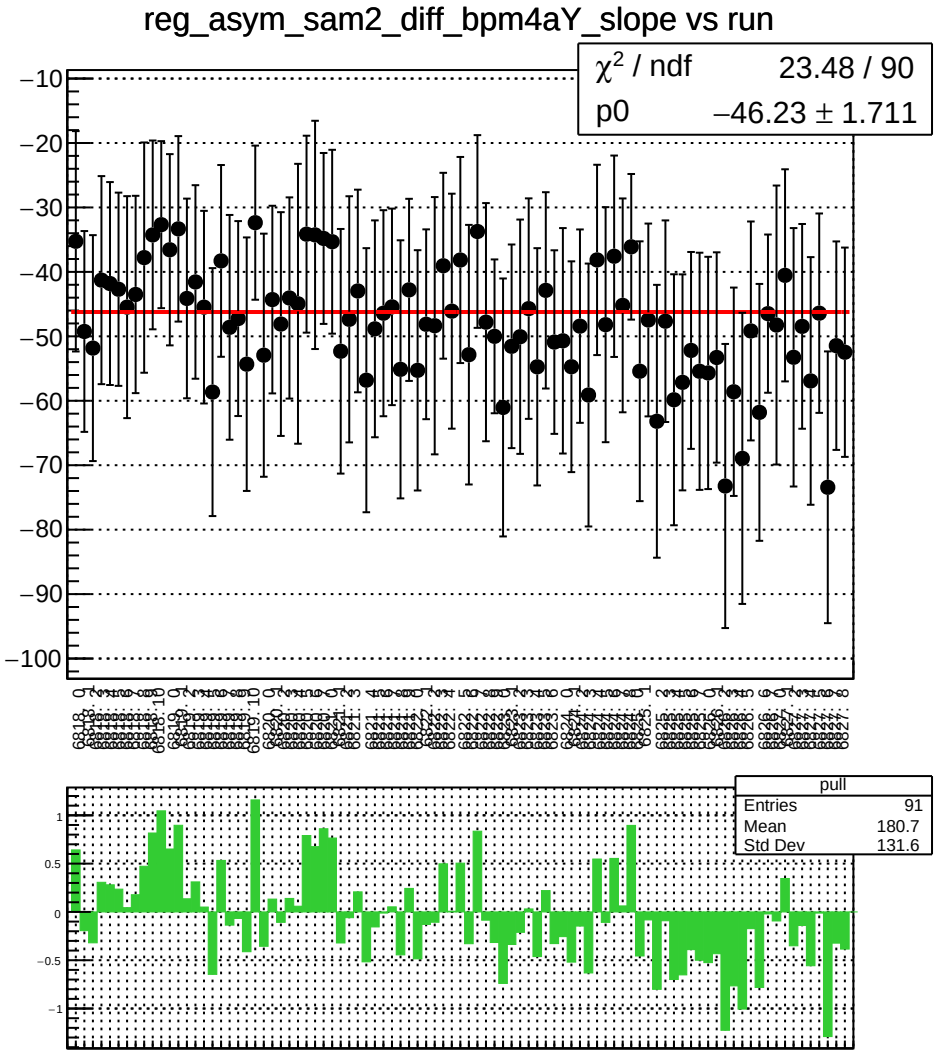

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 48.48 / 90
p0 19.77 ± 0.2881
pull
Entries 91
Mean 361.9
Std Dev 317.4

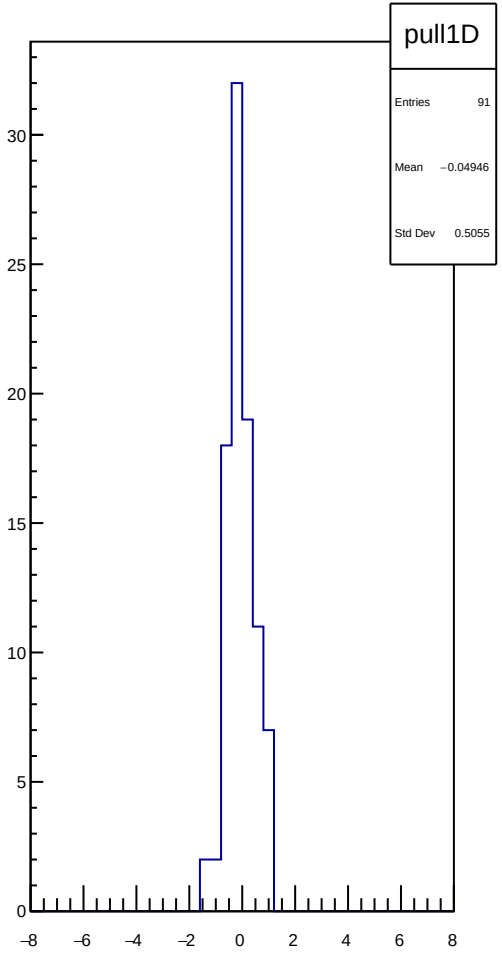

pull1D
Entries 91
Mean 0.01629
Std Dev 0.7297

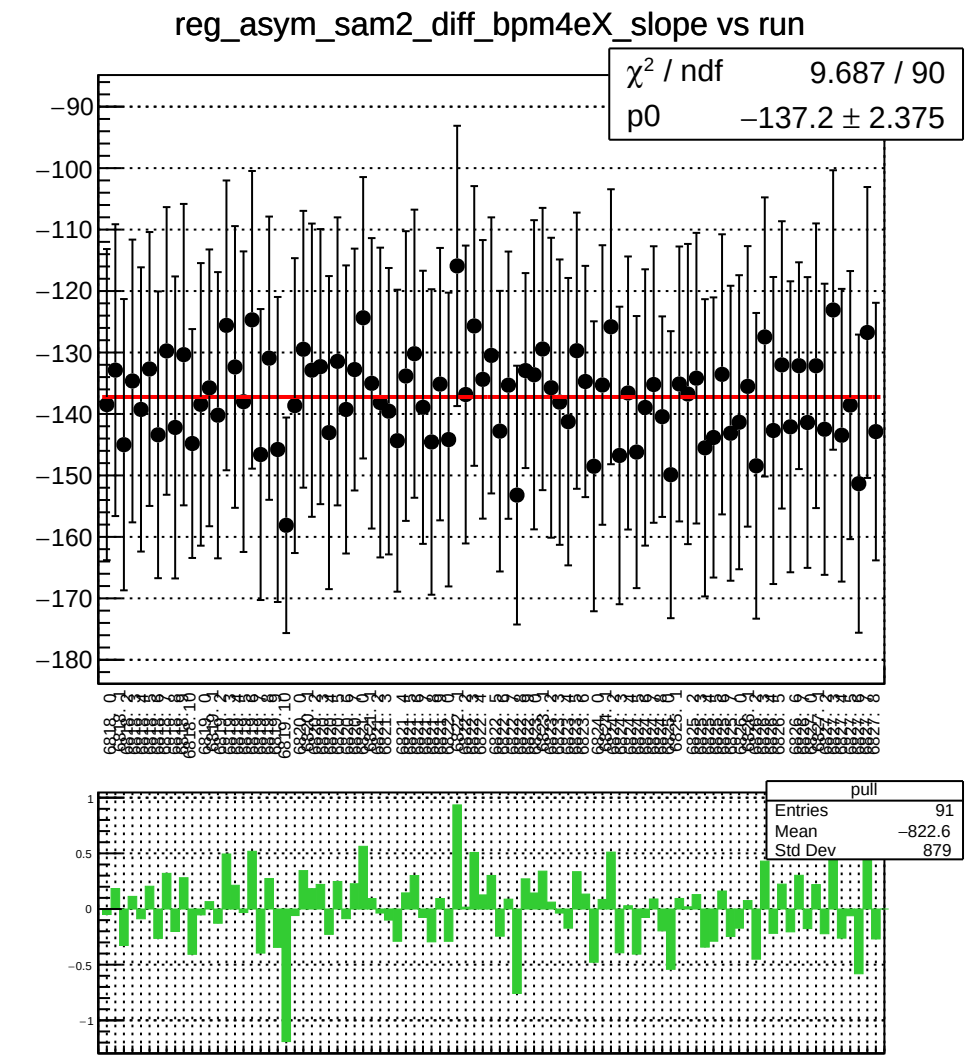

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 48.38 / 90
p0 0.4338 ± 0.01429
pull
Entries 91
Mean −256.8
Std Dev 298.8

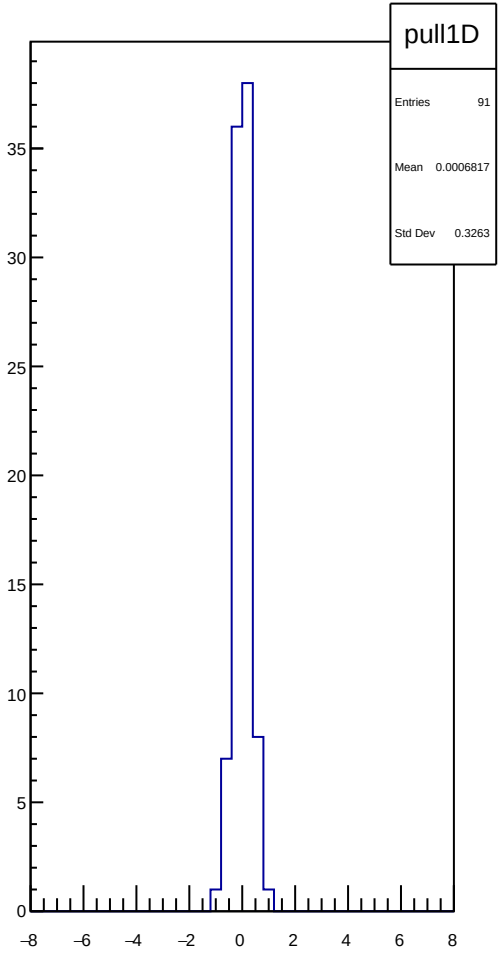

pull1D
Entries 91
Mean 0.02393
Std Dev 0.7288

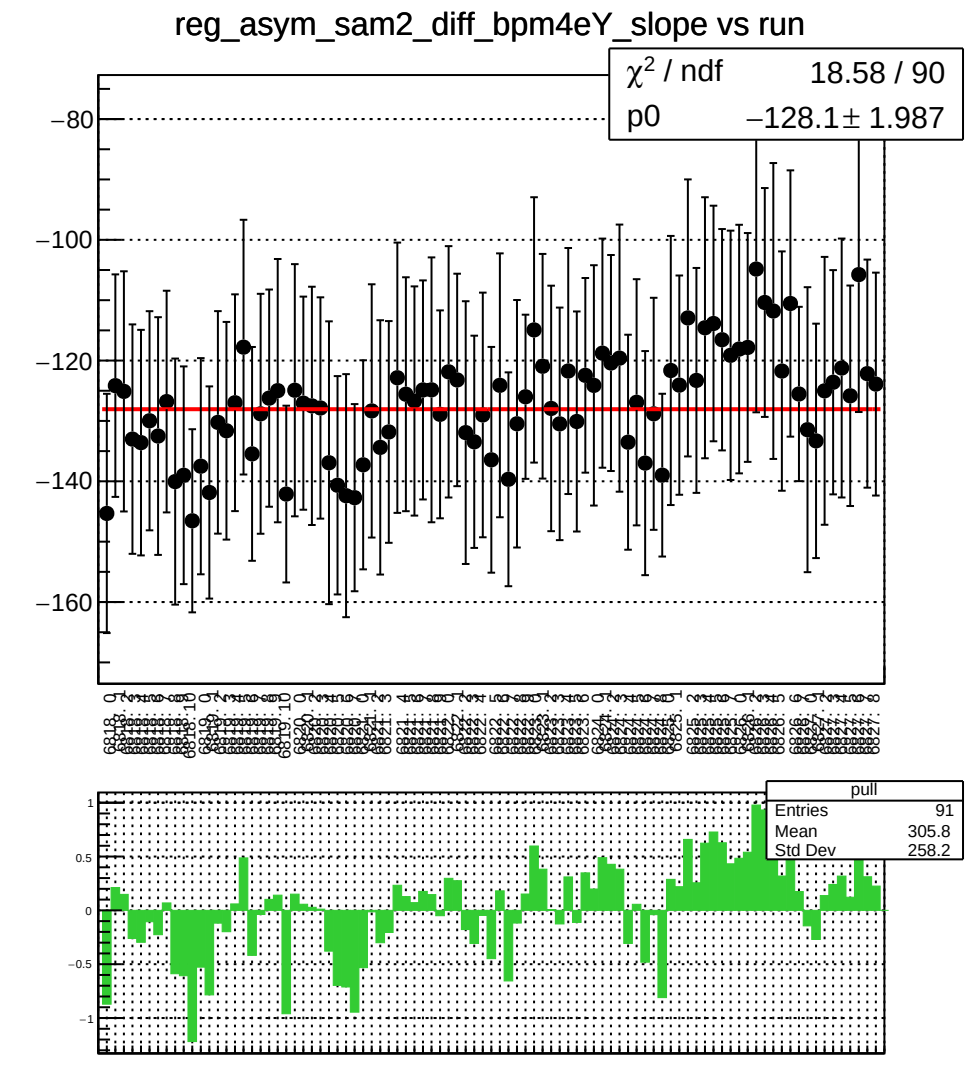

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 8.809 / 90
p0 −64.74 ± 2.539
pull
Entries 91
Mean −152.1
Std Dev 197.8
pull1D
Entries 91
Mean −0.004033
Std Dev 0.3111

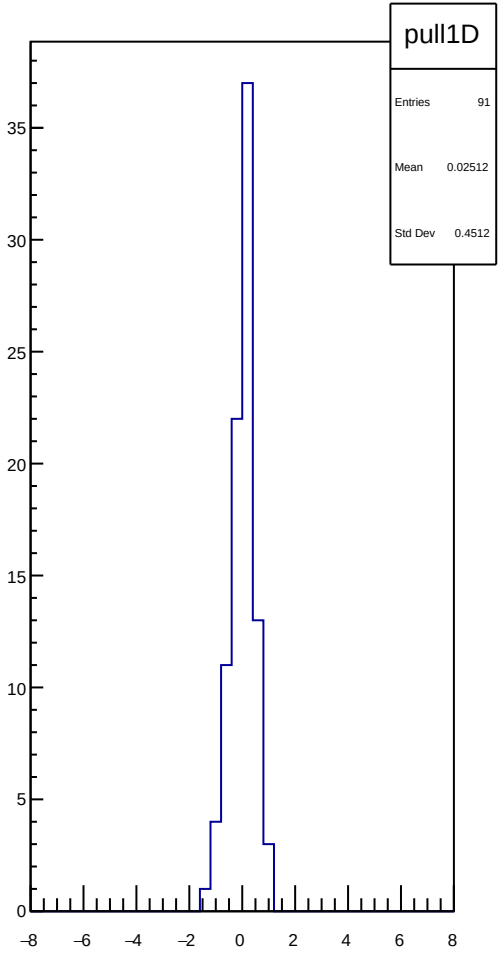

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 23.48 / 90
p0 −46.23 ± 1.711
pull
Entries 91
Mean 180.7
Std Dev 131.6

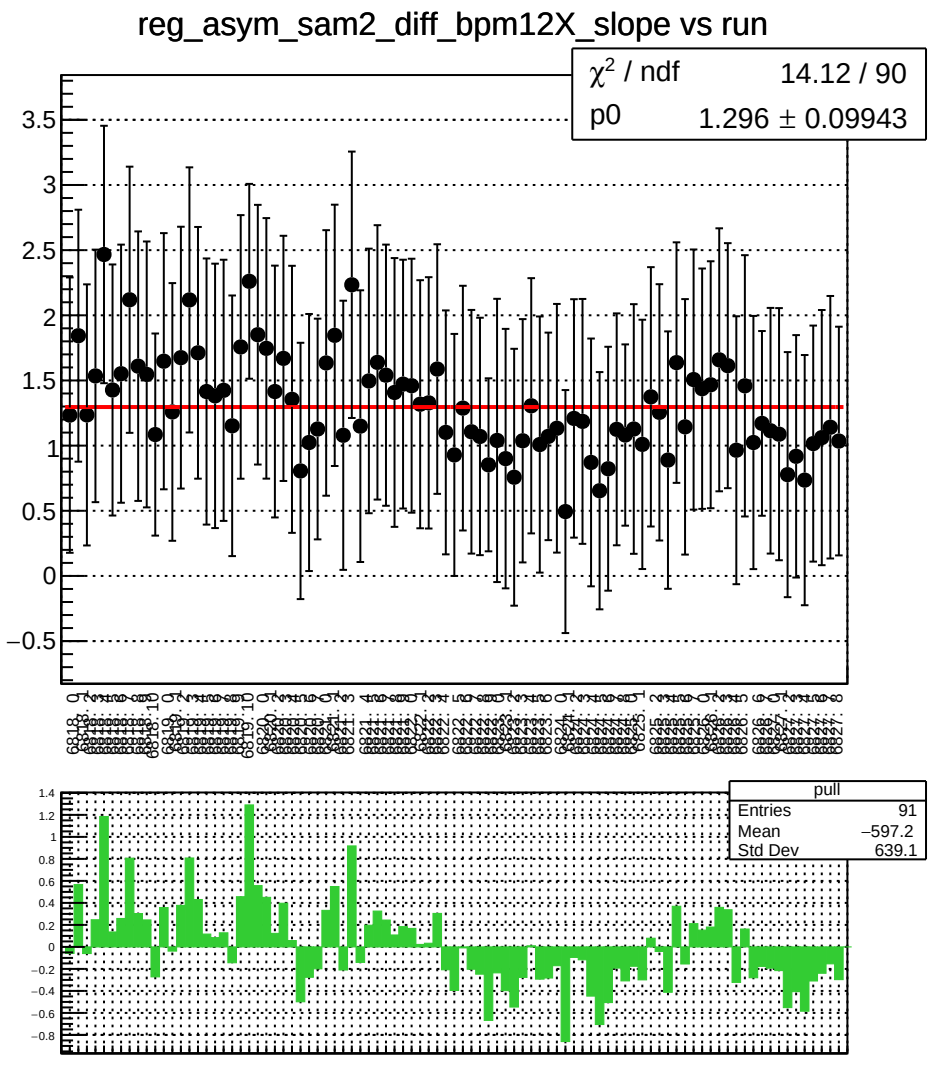

pull1D
Entries 91
Mean −0.04946
Std Dev 0.5055

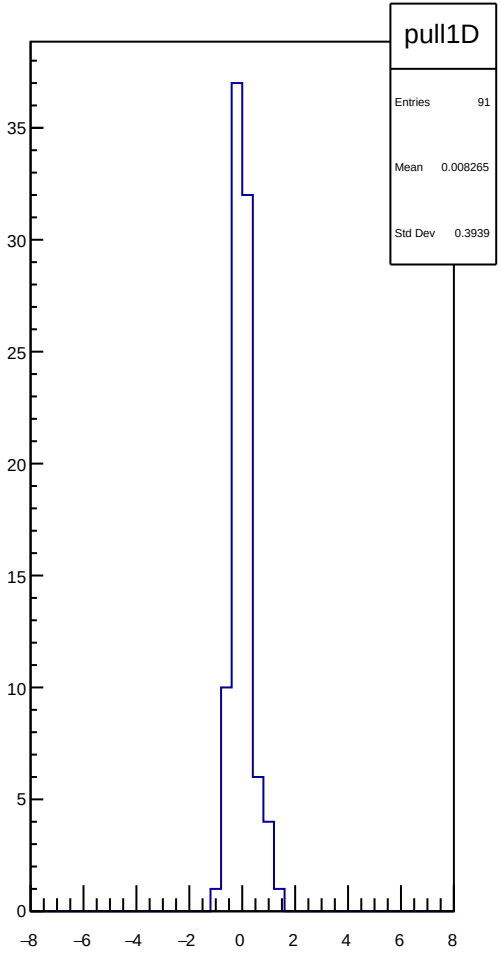

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 9.687 / 90
p0 −137.2 ± 2.375
pull
Entries 91
Mean −822.6
Std Dev 879

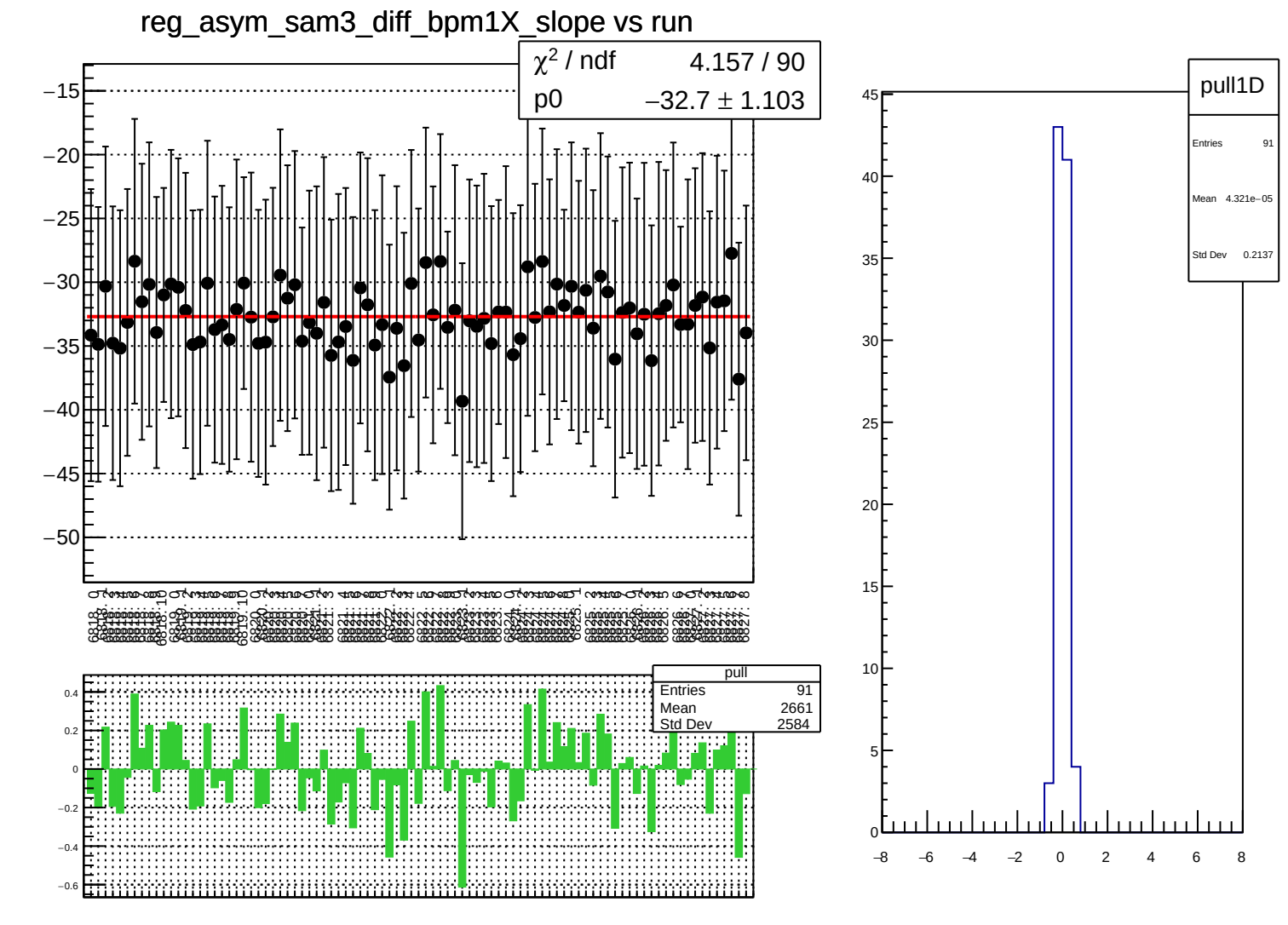

pull1D
Entries 91
Mean 0.0006817
Std Dev 0.3263

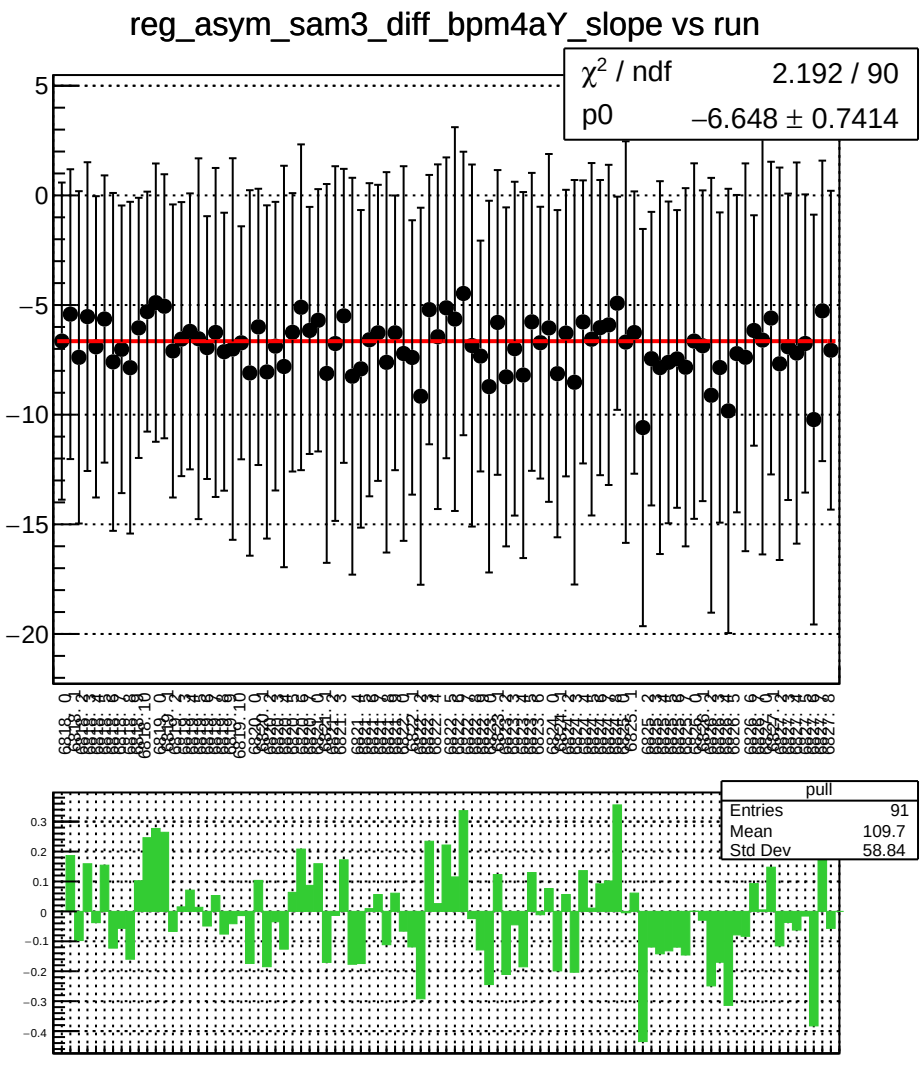

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 18.58 / 90
p0 −128.1± 1.987
−80
−100
−120
−140
−160
pull
Entries 91
Mean 305.8
Std Dev 258.2
1
0.5
0
−0.5
−1

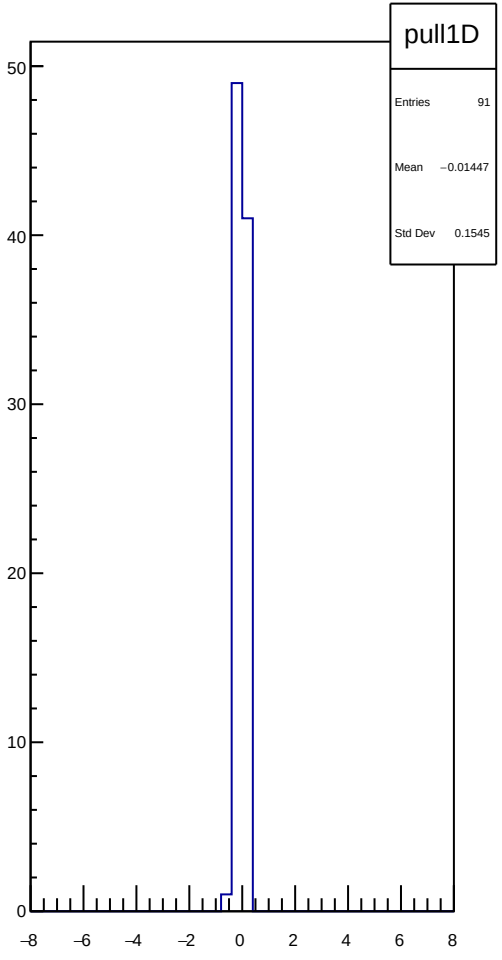

pull1D
Entries 91
Mean 0.02512
Std Dev 0.4512
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

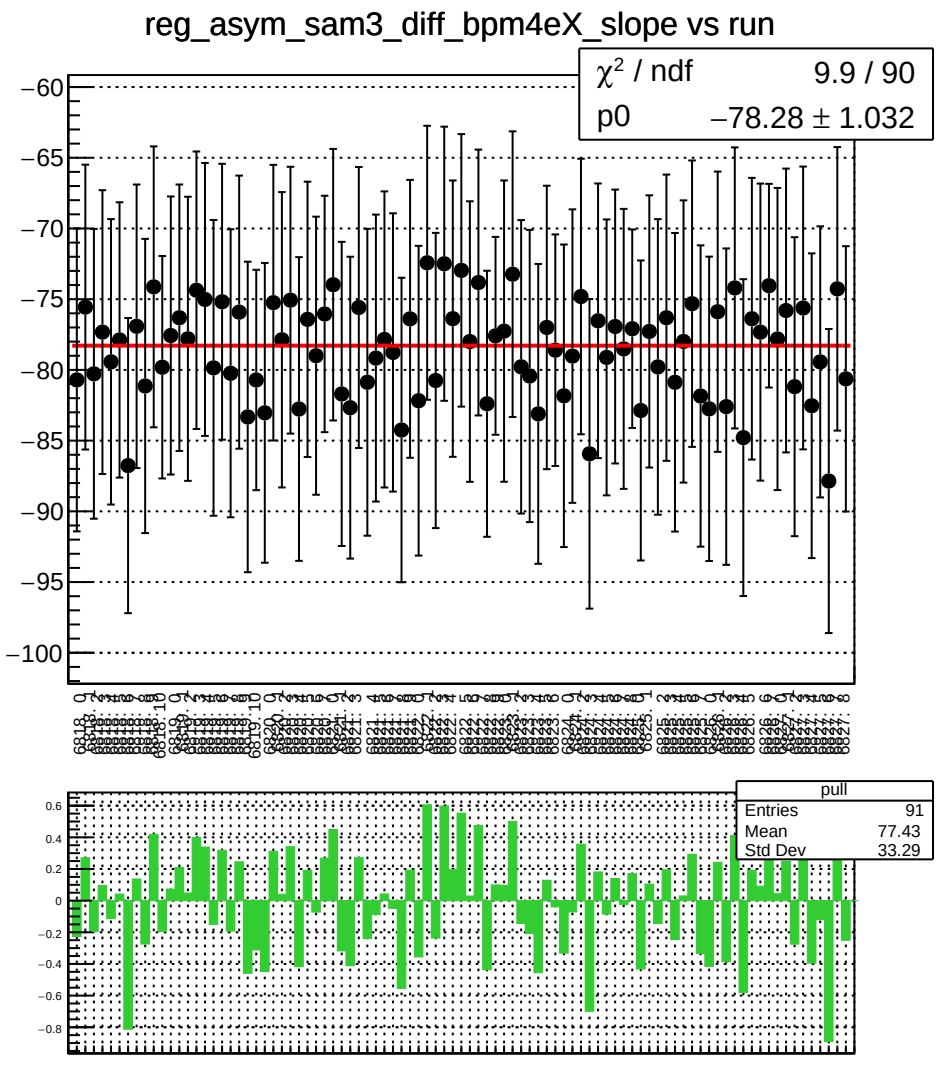

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 14.12 / 90
p0 1.296 ± 0.09943
pull
Entries 91
Mean −597.2
Std Dev 639.1

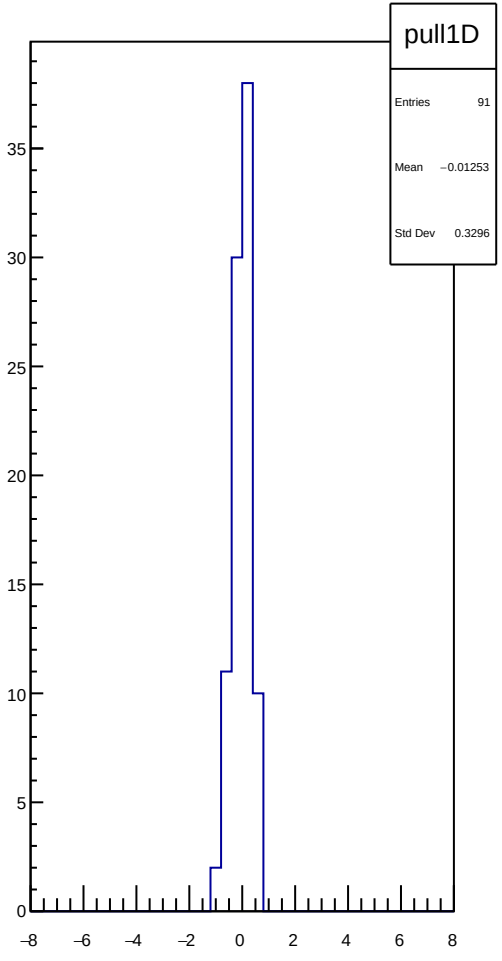

pull1D
Entries 91
Mean 0.008265
Std Dev 0.3939

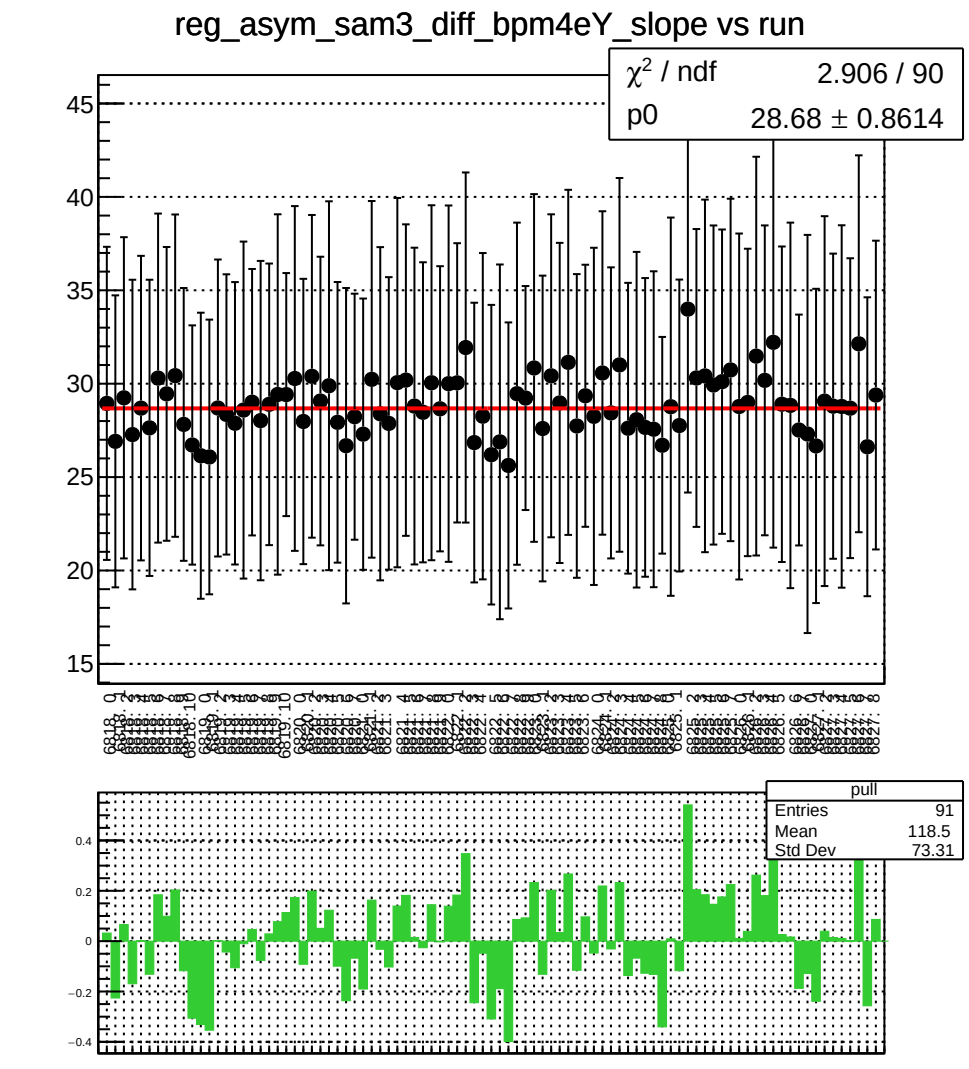

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 4.157 / 90
p0 −32.7 ± 1.103
pull
Entries 91
Mean 2661
Std Dev 2584
pull1D
Entries 91
Mean 4.321e−05
Std Dev 0.2137

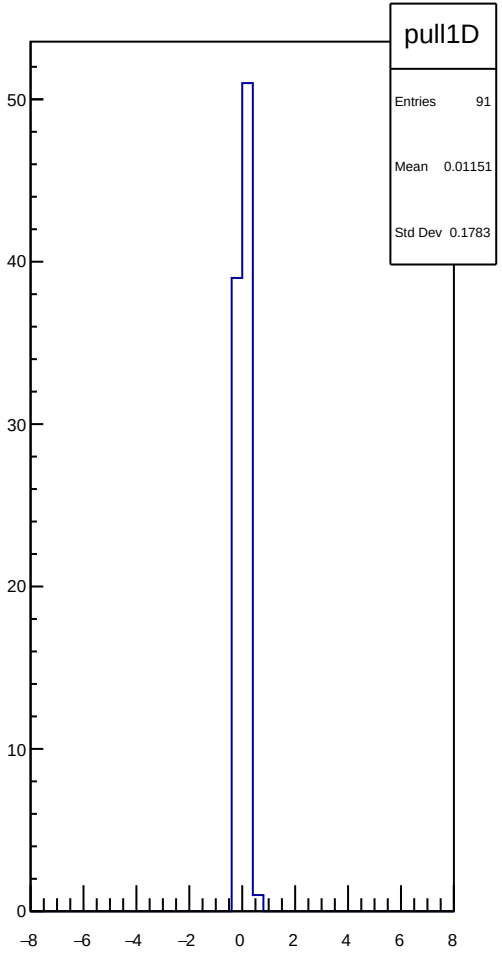

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 2.192 / 90
p0 −6.648 ± 0.7414
pull
Entries 91
Mean 109.7
Std Dev 58.84

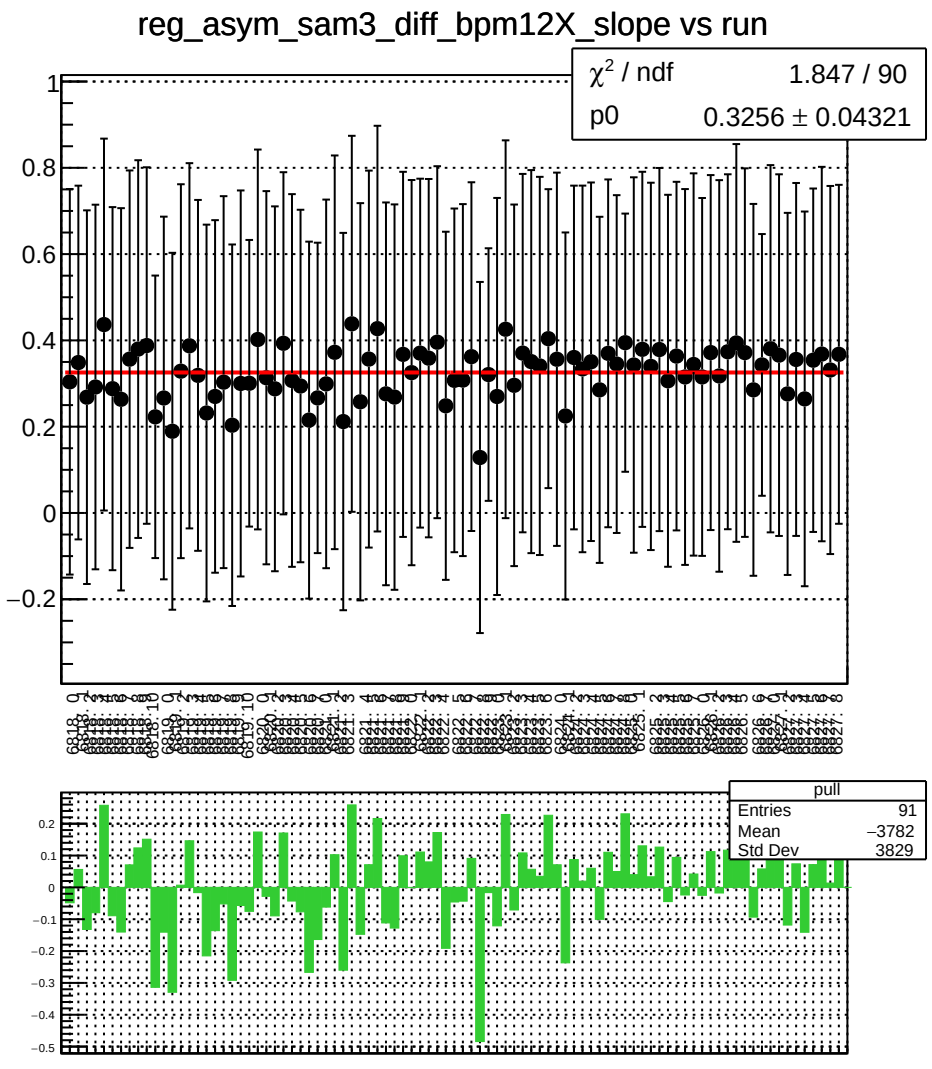

pull1D
Entries 91
Mean −0.01447
Std Dev 0.1545

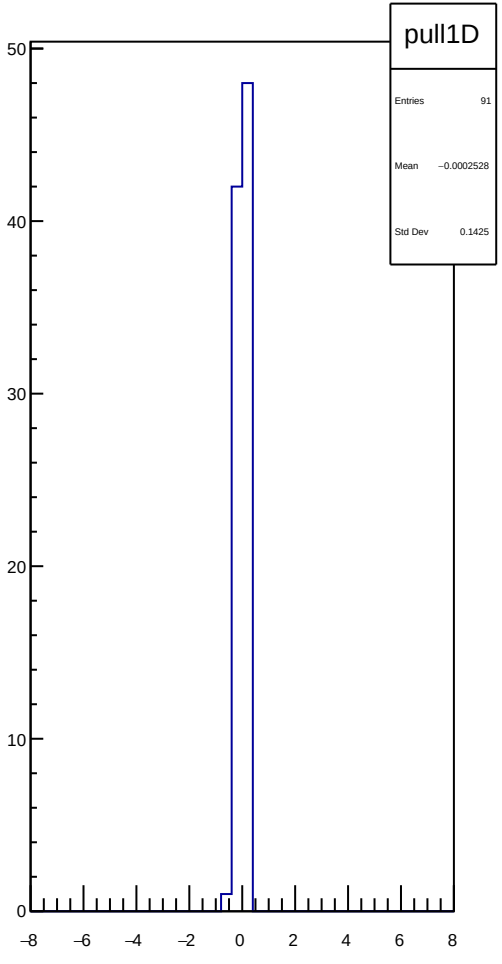

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 9.9 / 90
p0 −78.28 ± 1.032
pull
Entries 91
Mean 77.43
Std Dev 33.29

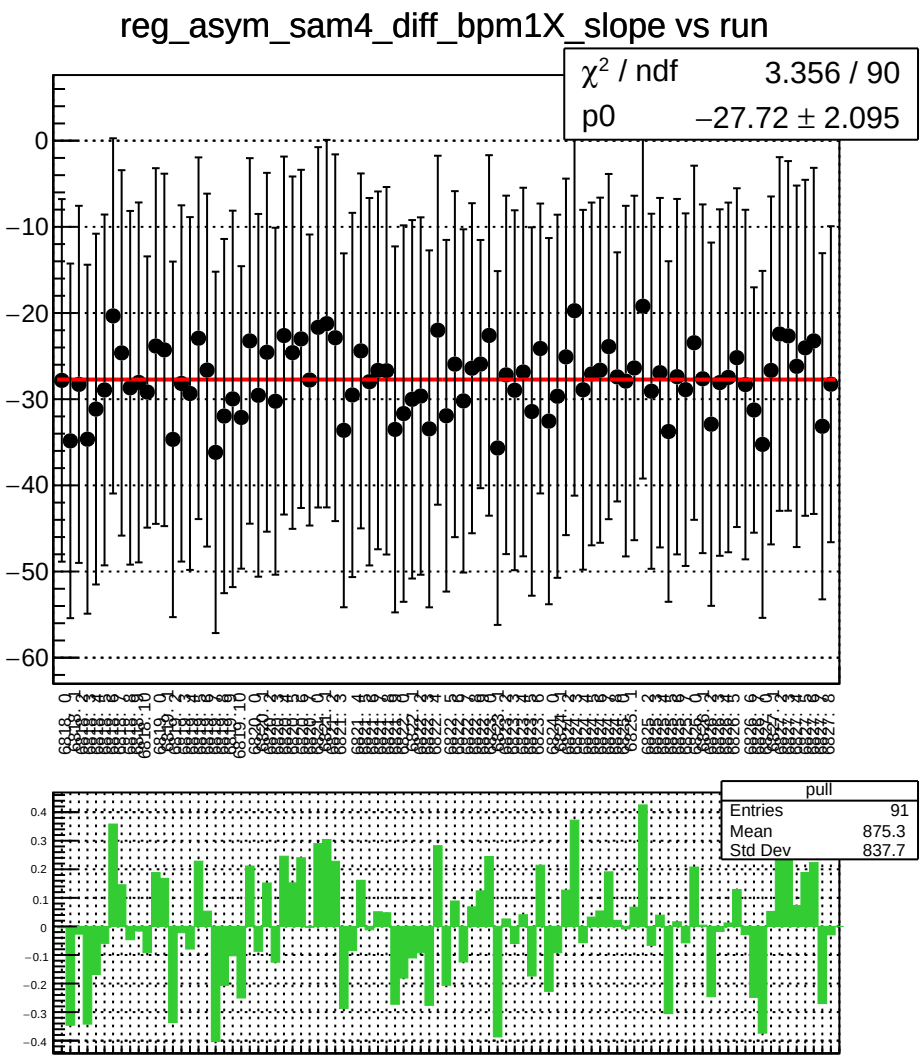

pull1D
Entries 91
Mean −0.01253
Std Dev 0.3296

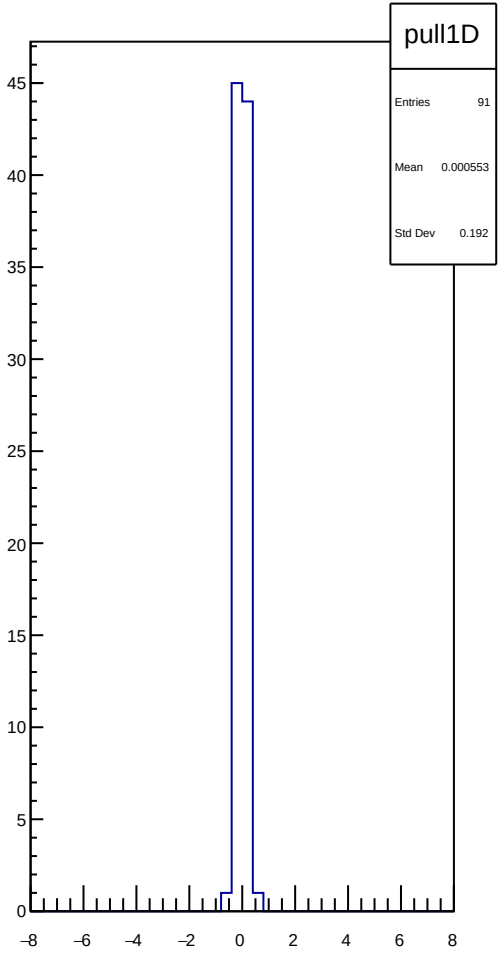

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.906 / 90
p0 28.68 ± 0.8614
pull
Entries 91
Mean 118.5
Std Dev 73.31

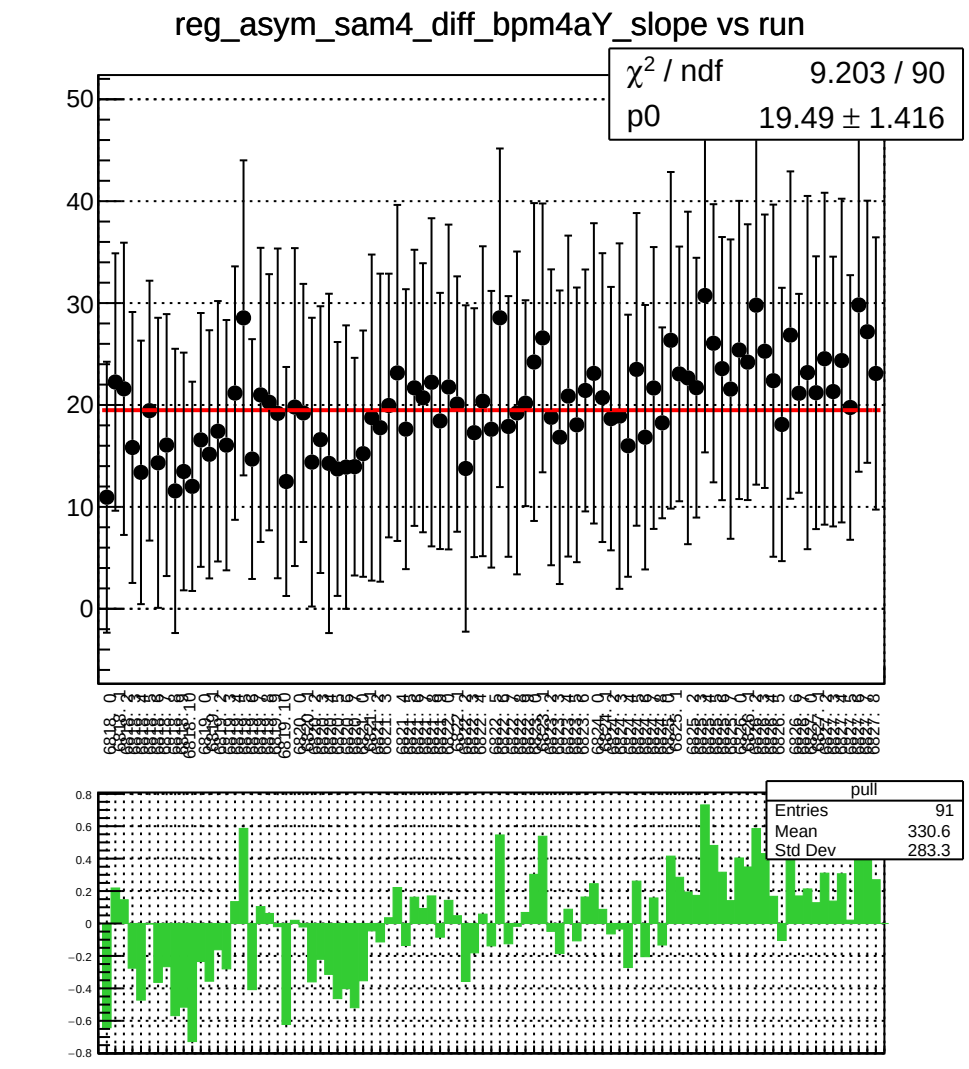

pull1D
Entries 91
Mean 0.01151
Std Dev 0.1783

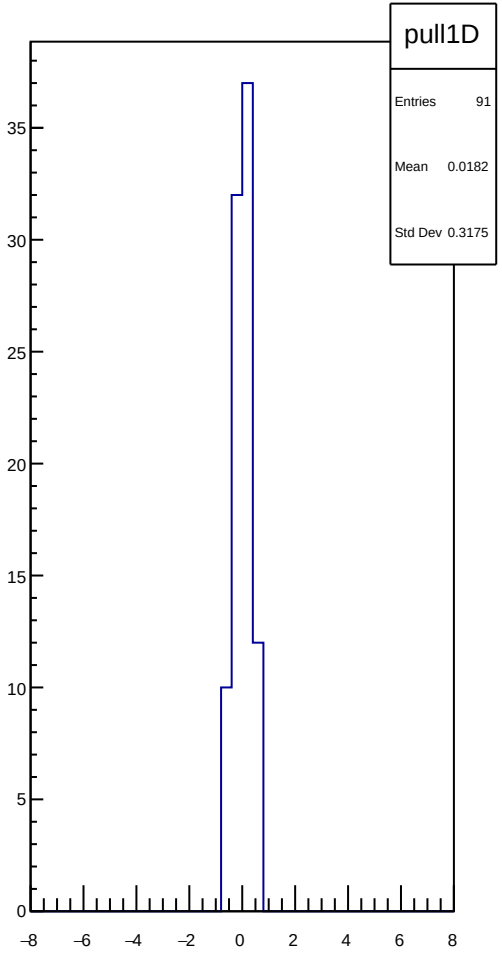

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.847 / 90
p0 0.3256 ± 0.04321
pull
Entries 91
Mean −3782
Std Dev 3829

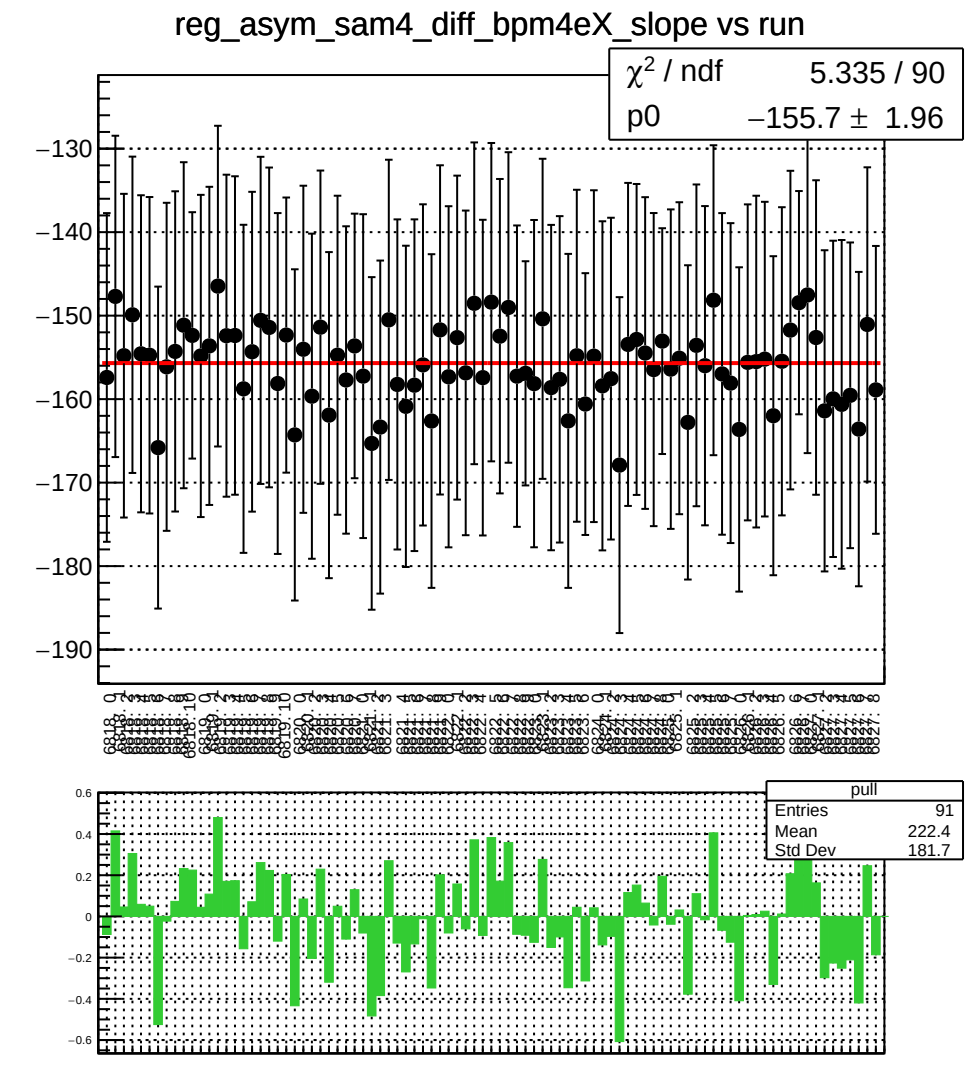

pull1D
Entries 91
Mean −0.0002528
Std Dev 0.1425

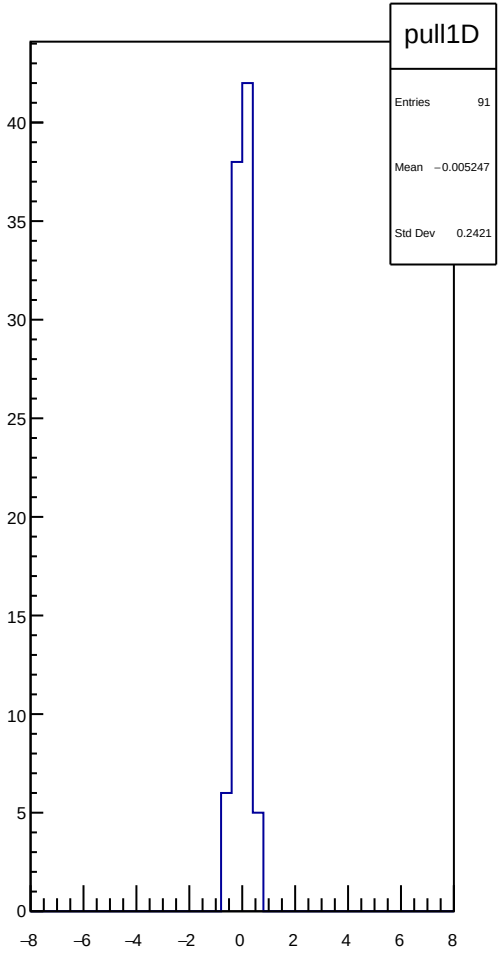

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 3.356 / 90
p0 −27.72 ± 2.095
pull
Entries 91
Mean 875.3
Std Dev 837.7

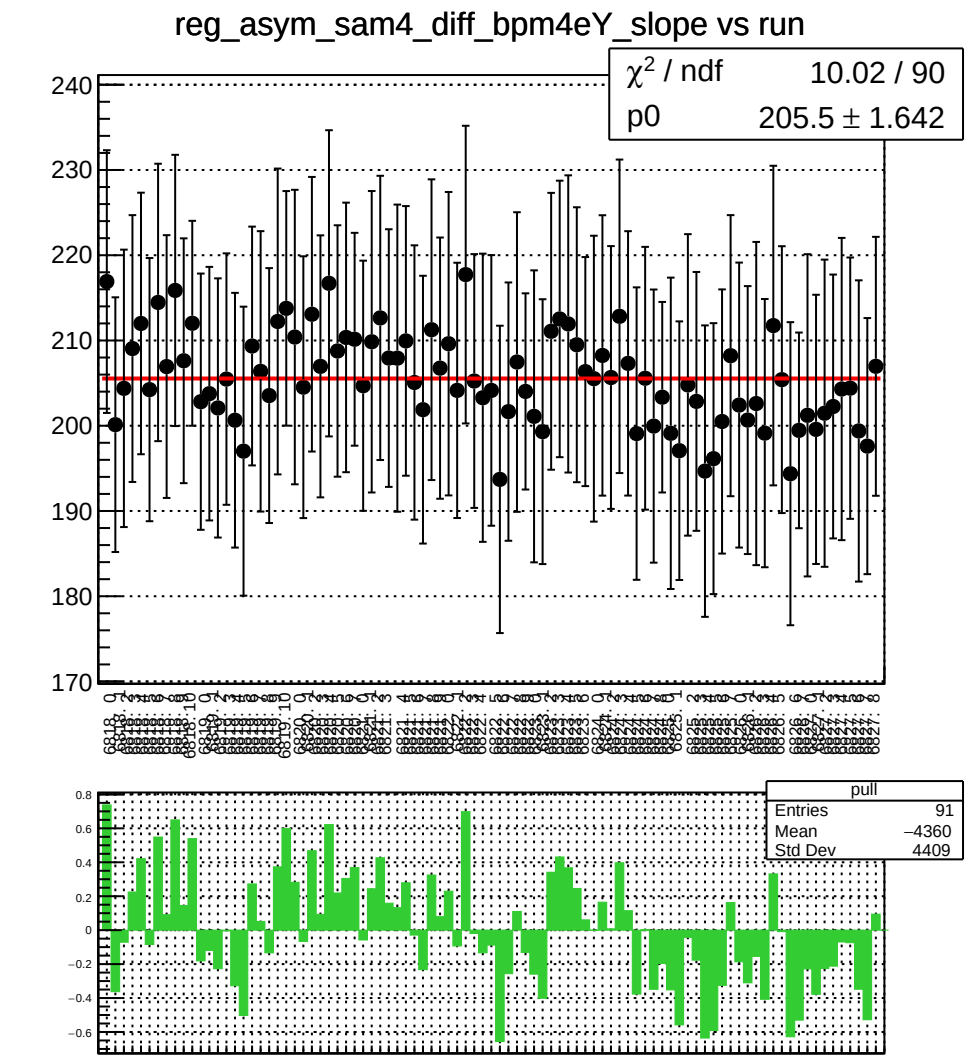

pull1D
Entries 91
Mean 0.000553
Std Dev 0.192

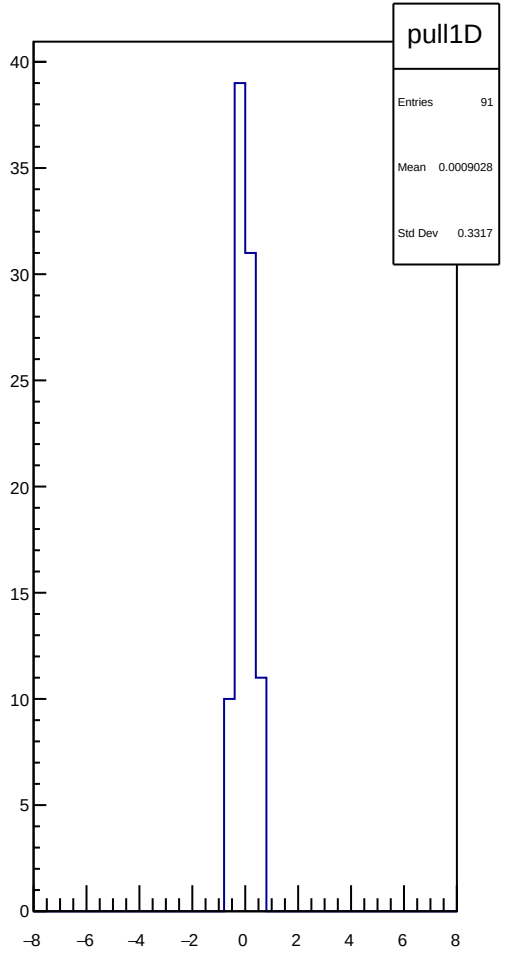

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 9.203 / 90
p0 19.49 ± 1.416
pull
Entries 91
Mean 330.6
Std Dev 283.3

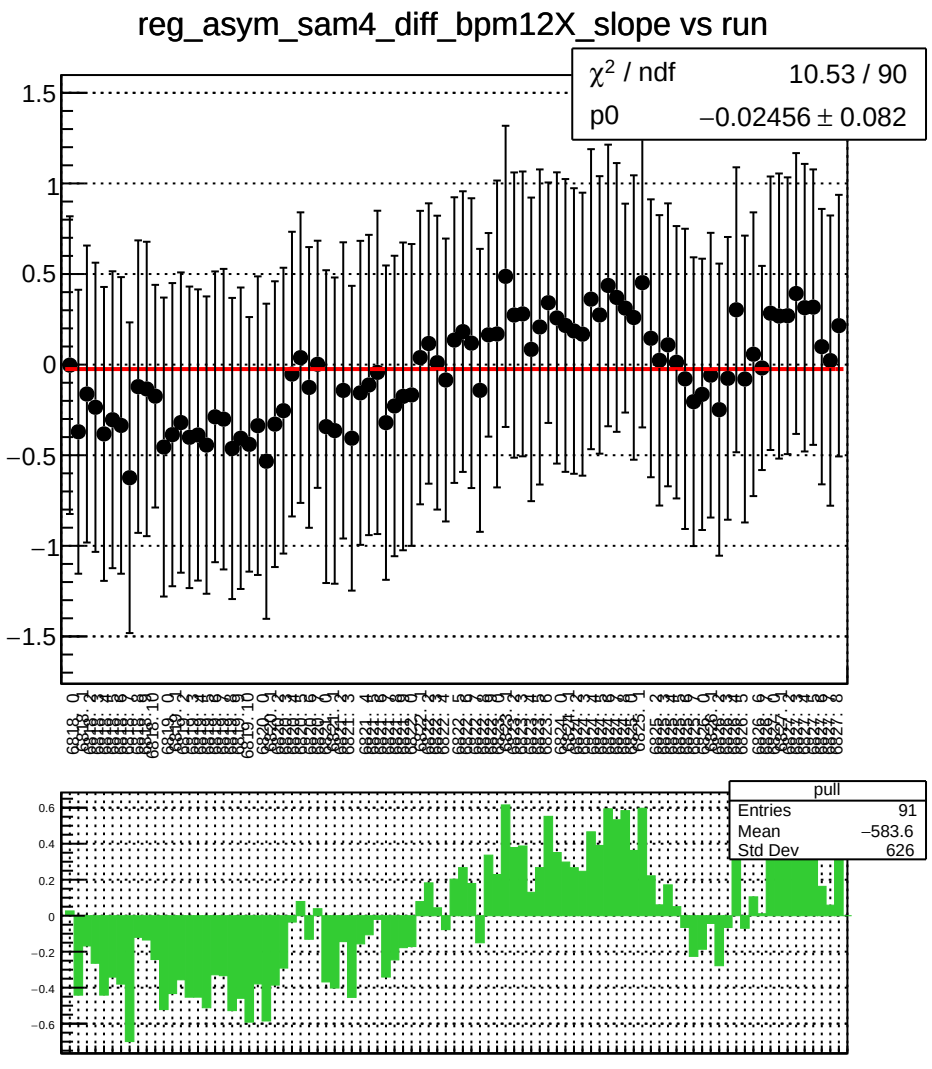

pull1D
Entries 91
Mean 0.0182
Std Dev 0.3175

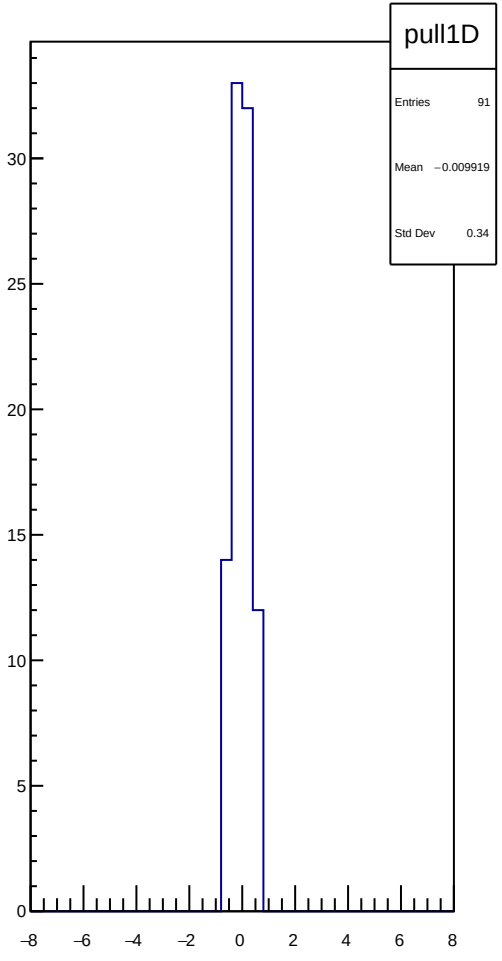

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 5.335 / 90
p0 −155.7 ± 1.96
pull
Entries 91
Mean 222.4
Std Dev 181.7

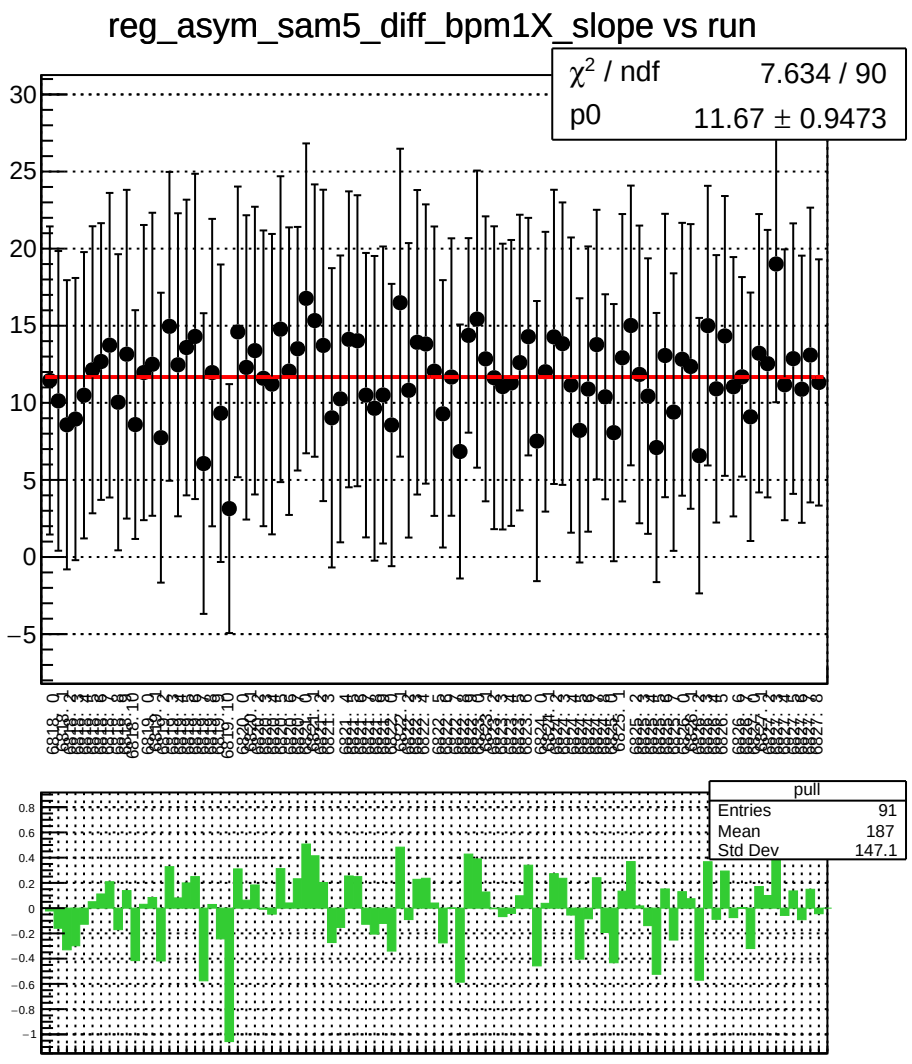

pull1D
Entries 91
Mean −0.005247
Std Dev 0.2421

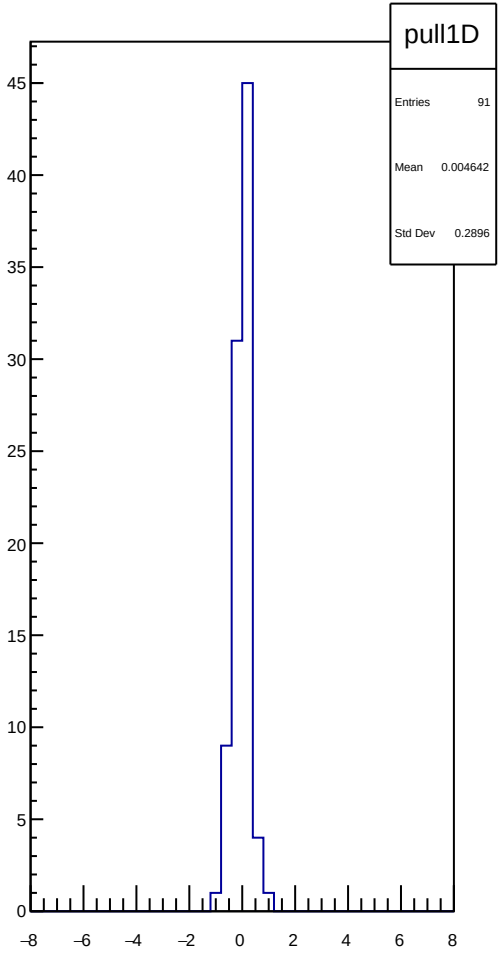

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 10.02 / 90
p0 205.5 ± 1.642
pull
Entries 91
Mean −4360
Std Dev 4409

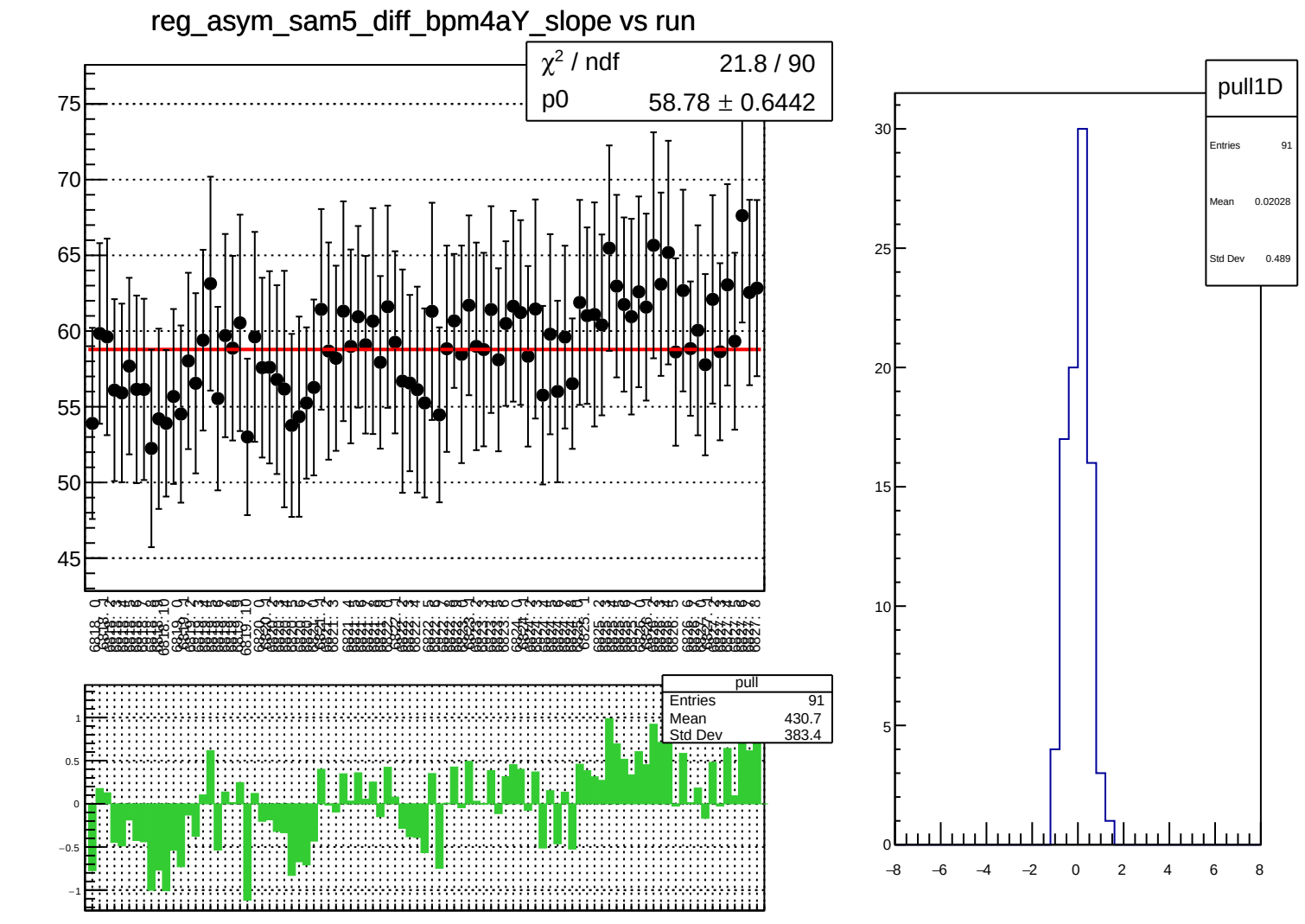

pull1D
Entries 91
Mean 0.0009028
Std Dev 0.3317

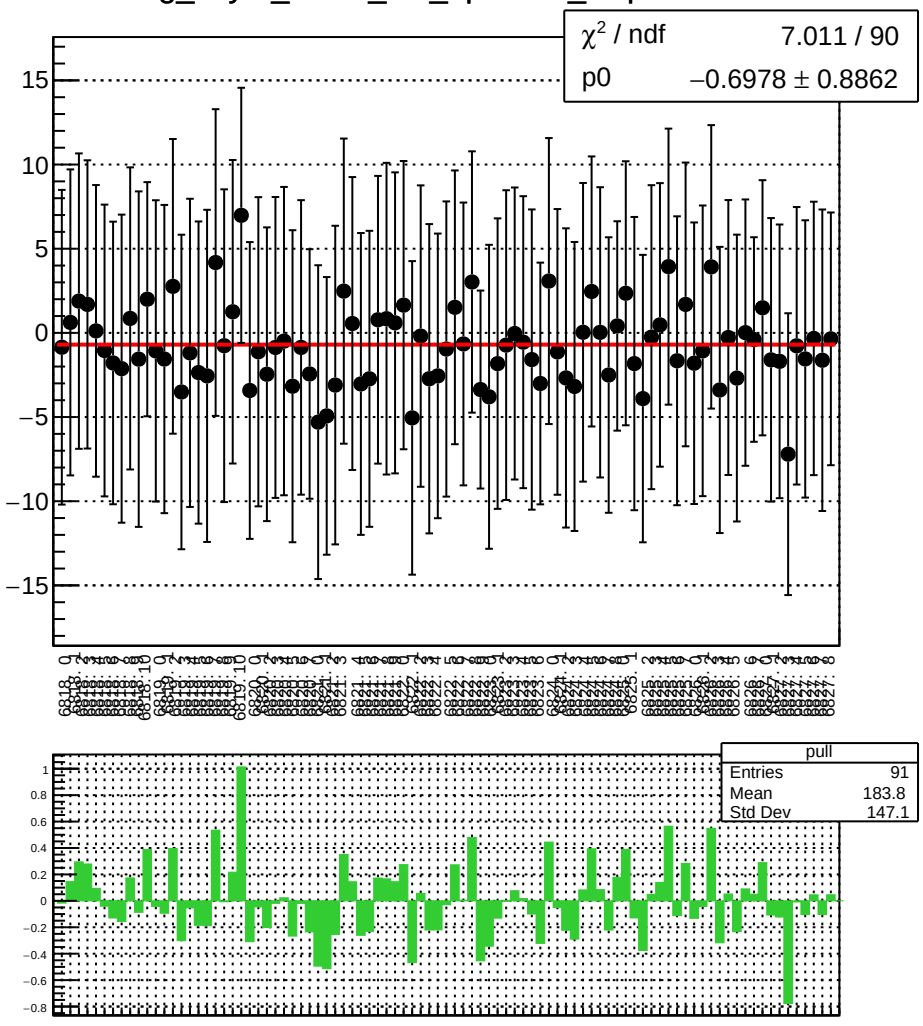

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 10.53 / 90
p0 −0.02456 ± 0.082
pull
Entries 91
Mean −583.6
Std Dev 626

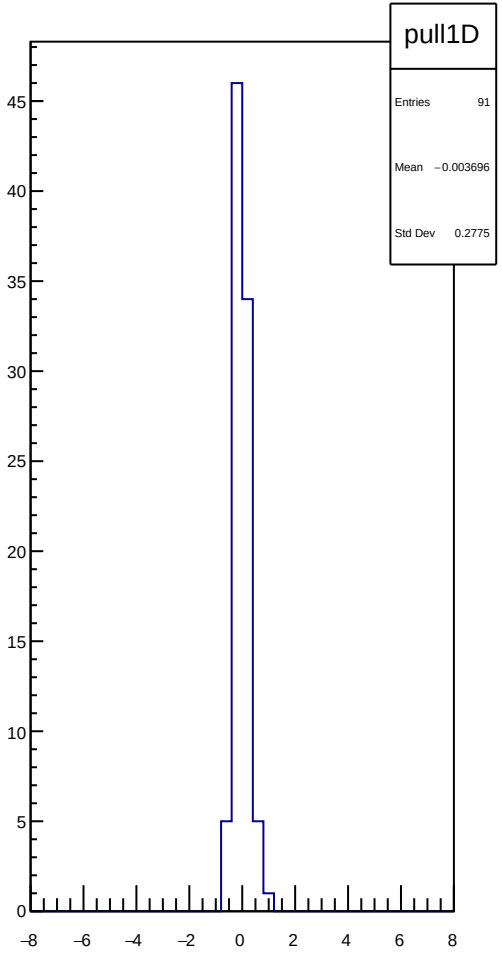

pull1D
Entries 91
Mean −0.009919
Std Dev 0.34

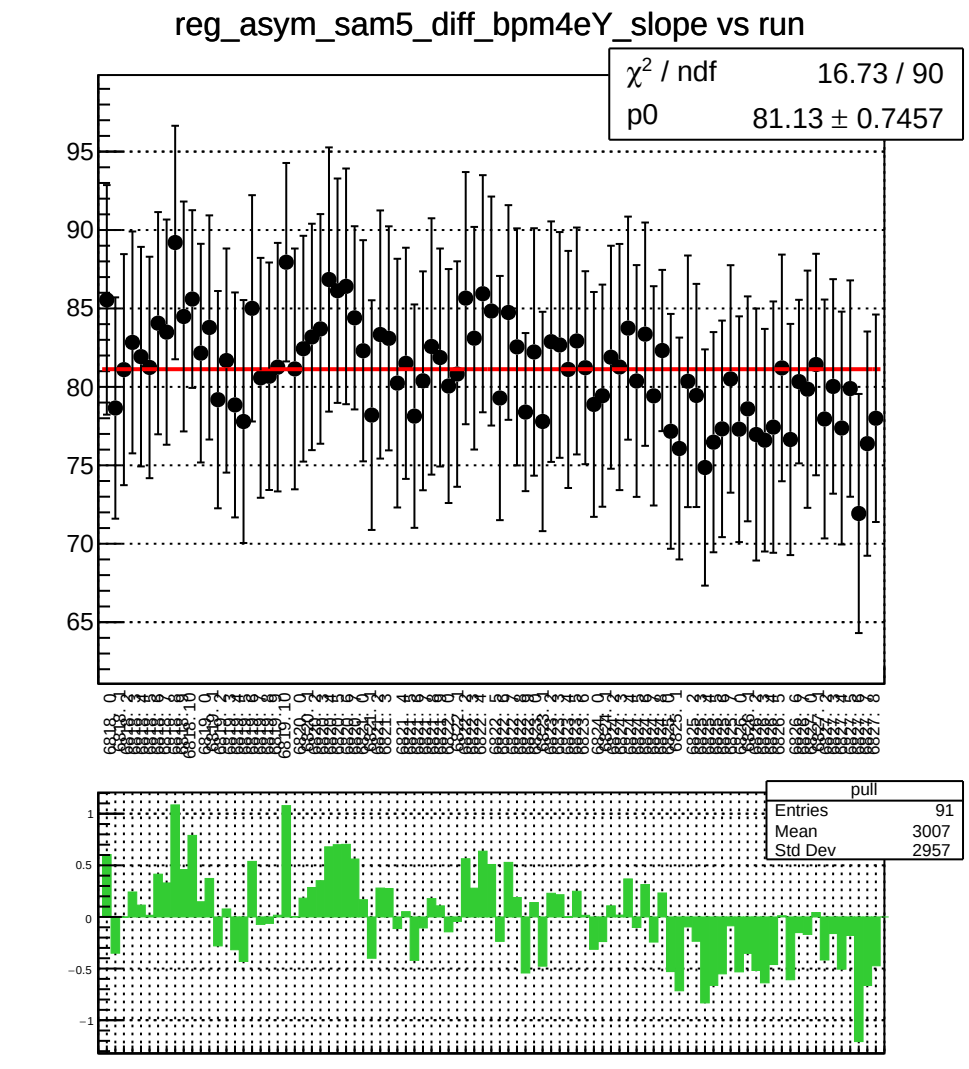

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 7.634 / 90
p0 11.67 ± 0.9473
pull
Entries 91
Mean 187
Std Dev 147.1

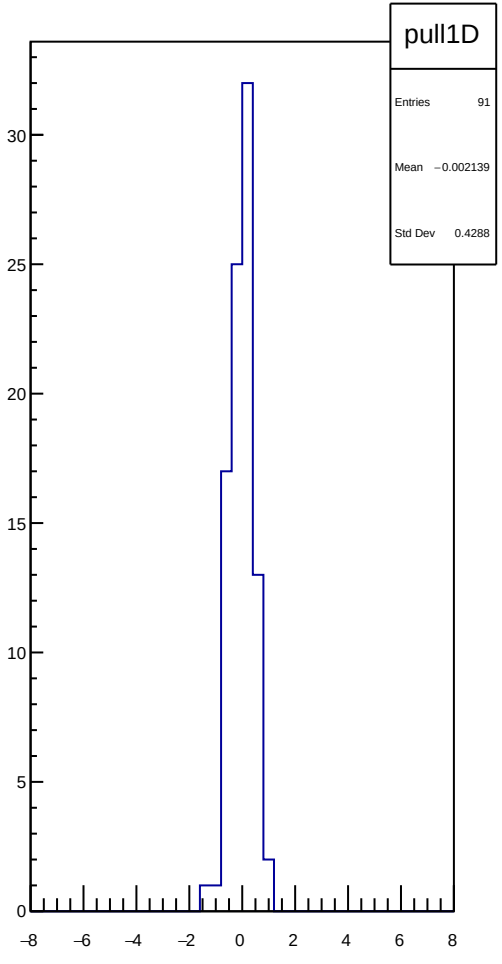

pull1D
Entries 91
Mean 0.004642
Std Dev 0.2896

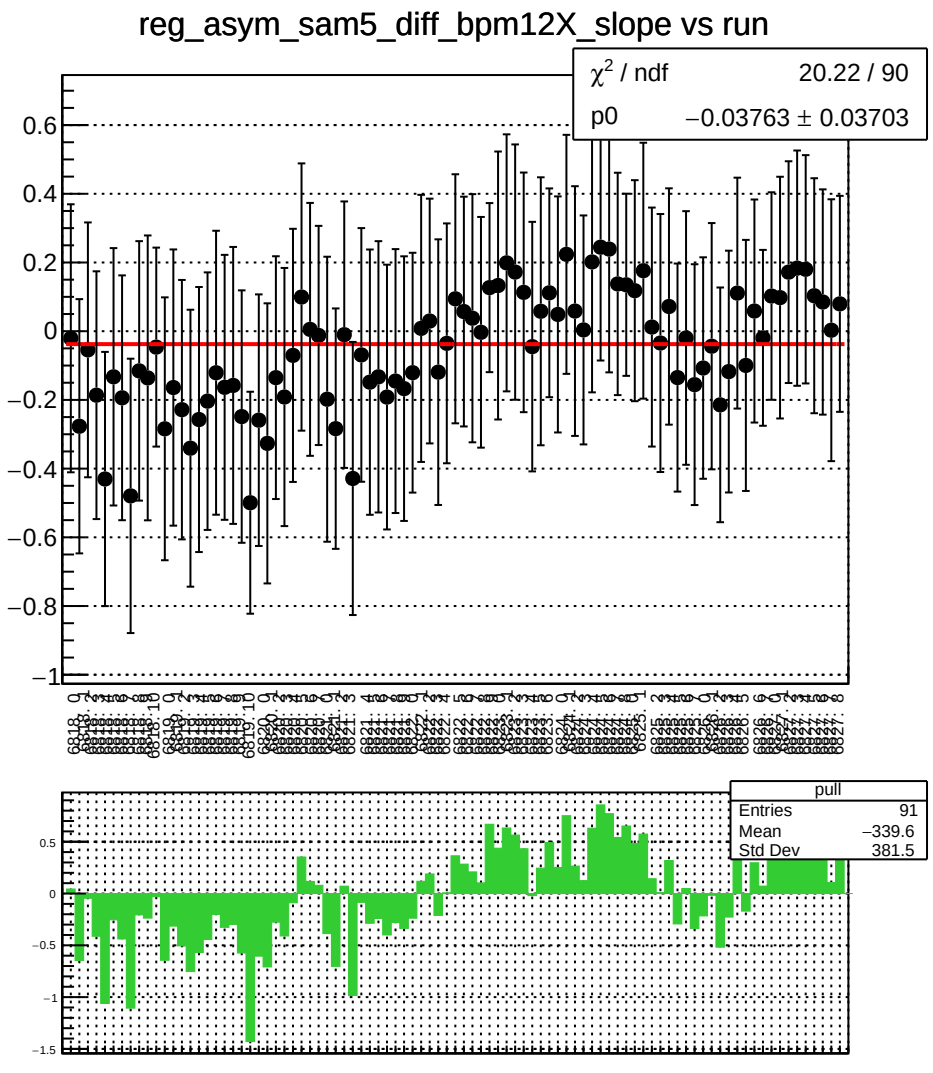

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 21.8 / 90
p0 58.78 ± 0.6442
pull
Entries 91
Mean 430.7
Std Dev 383.4
pull1D
Entries 91
Mean 0.02028
Std Dev 0.489

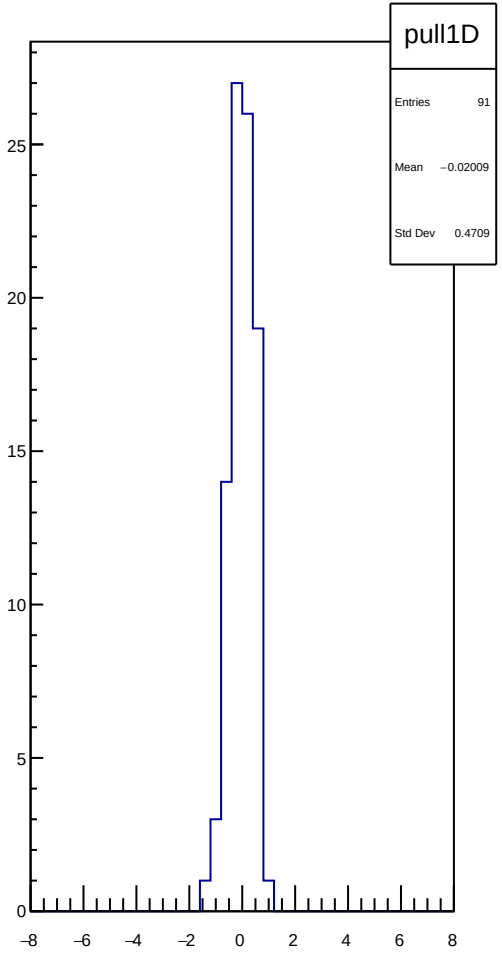

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 7.011 / 90
p0 −0.6978 ± 0.8862
pull
Entries 91
Mean 183.8
Std Dev 147.1

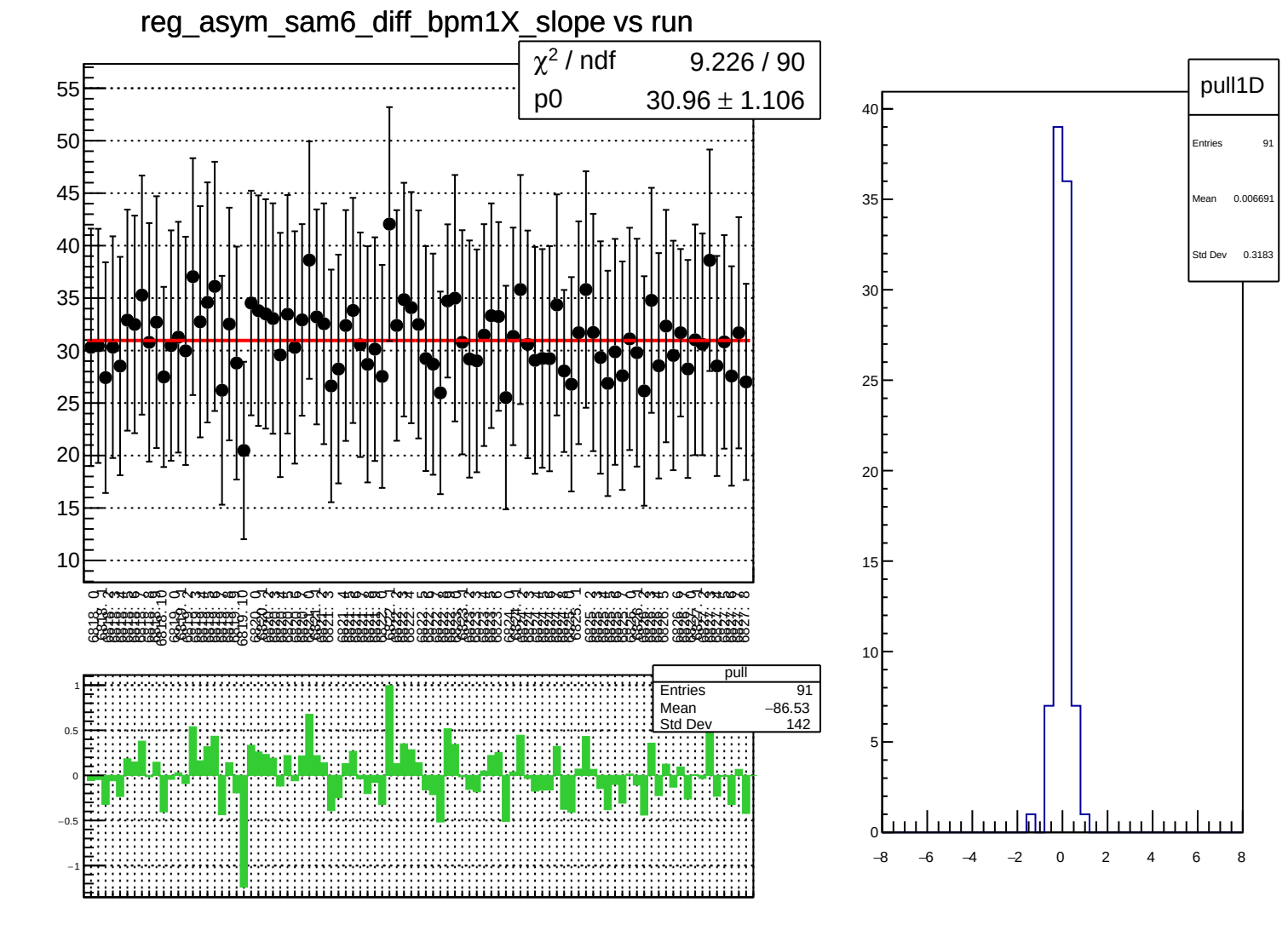

pull1D
Entries 91
Mean −0.003696
Std Dev 0.2775

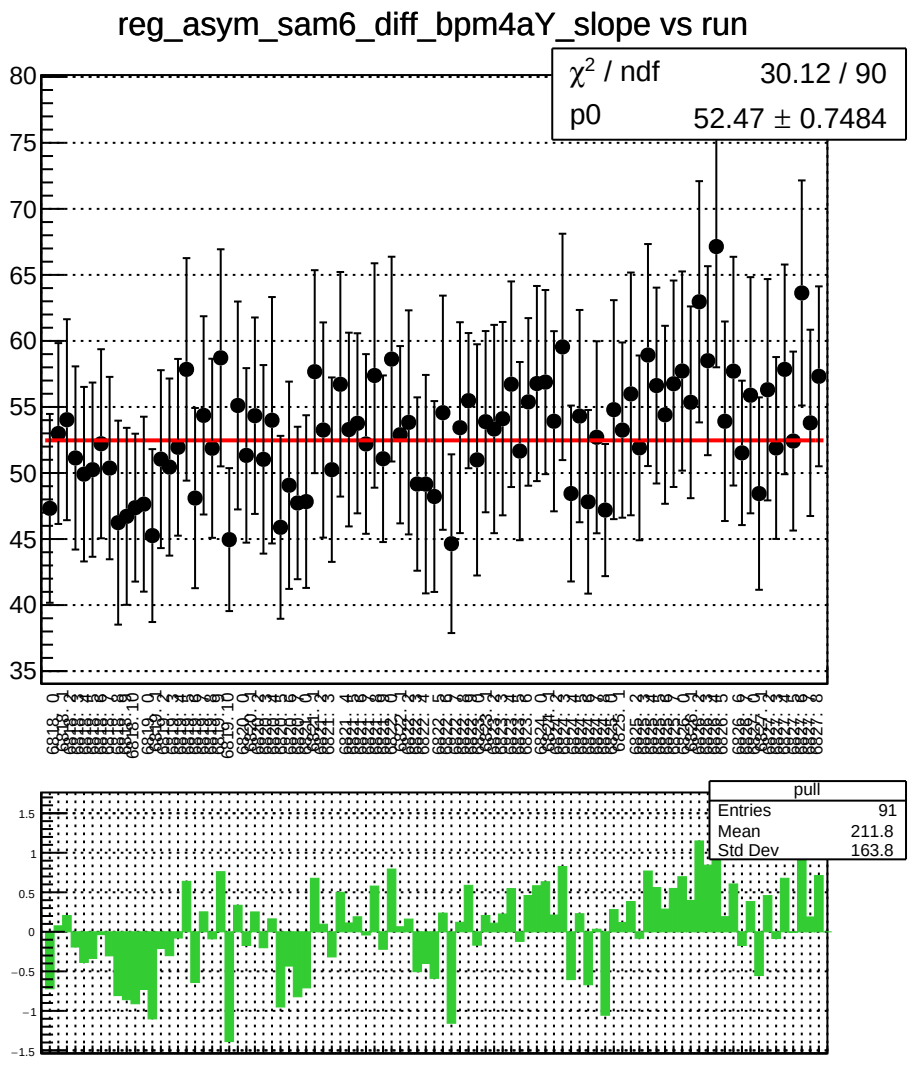

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 16.73 / 90
p0 81.13 ± 0.7457
pull
Entries 91
Mean 3007
Std Dev 2957

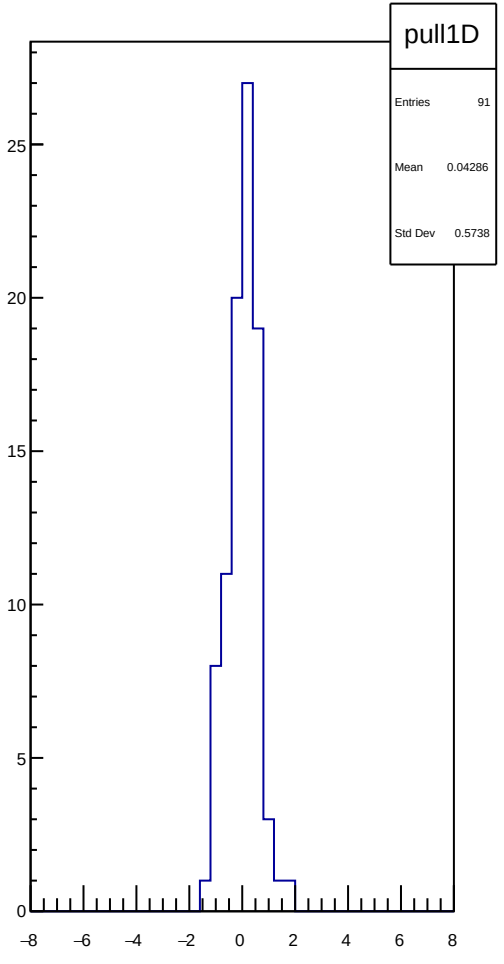

pull1D
Entries 91
Mean −0.002139
Std Dev 0.4288

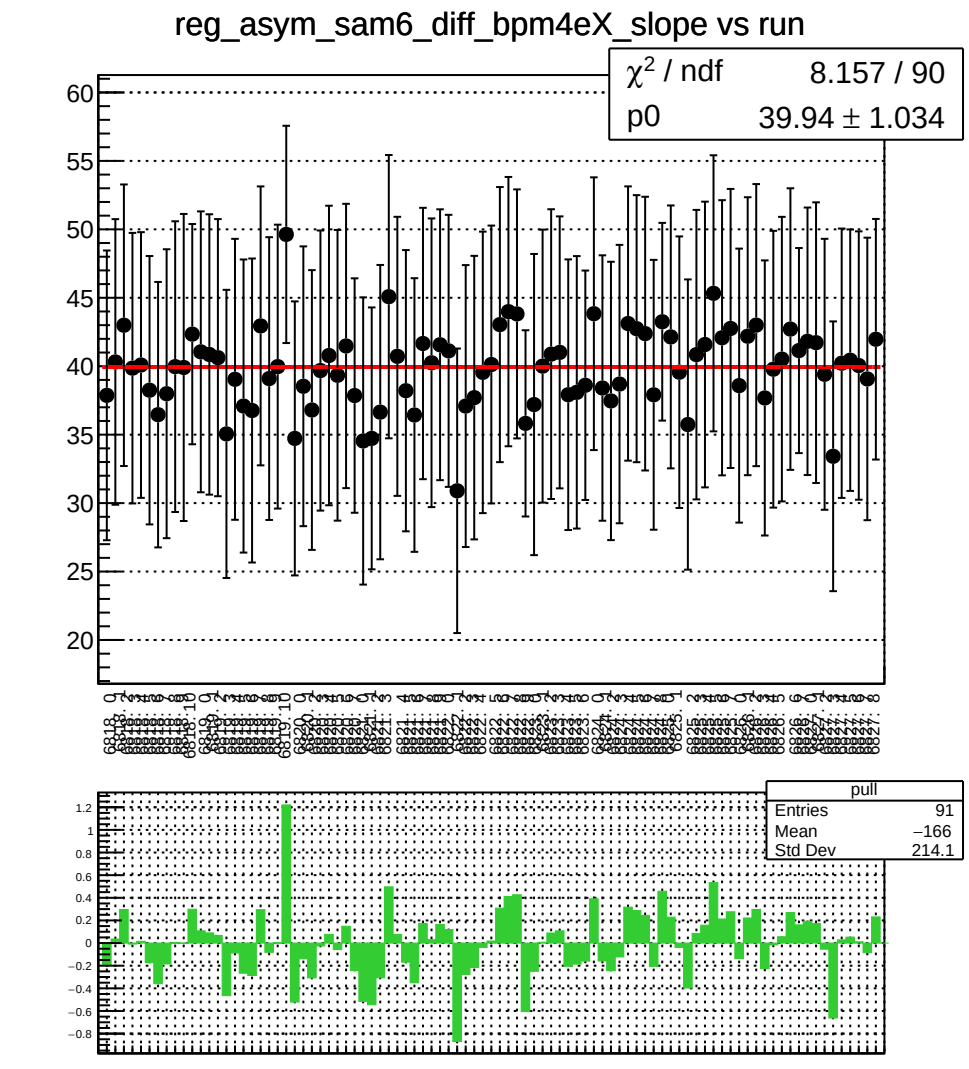

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 20.22 / 90
p0 −0.03763 ± 0.03703
pull
Entries 91
Mean −339.6
Std Dev 381.5

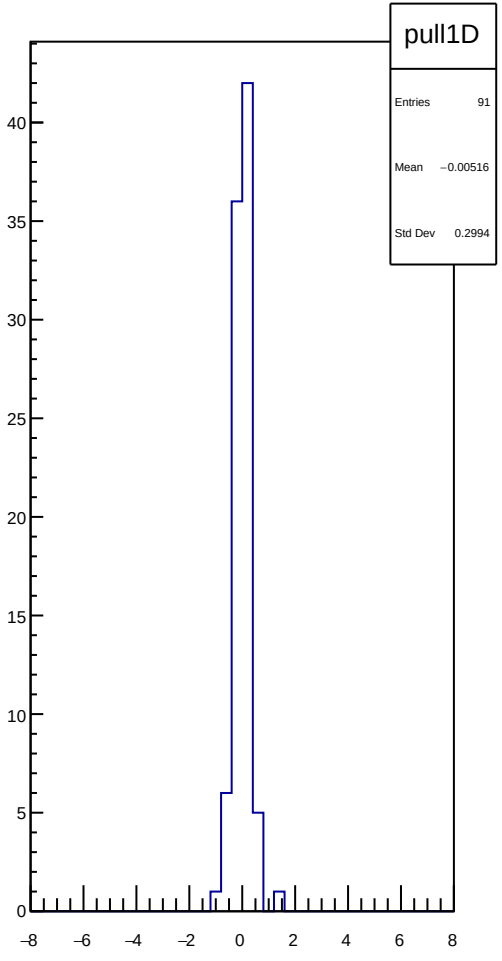

pull1D
Entries 91
Mean −0.02009
Std Dev 0.4709

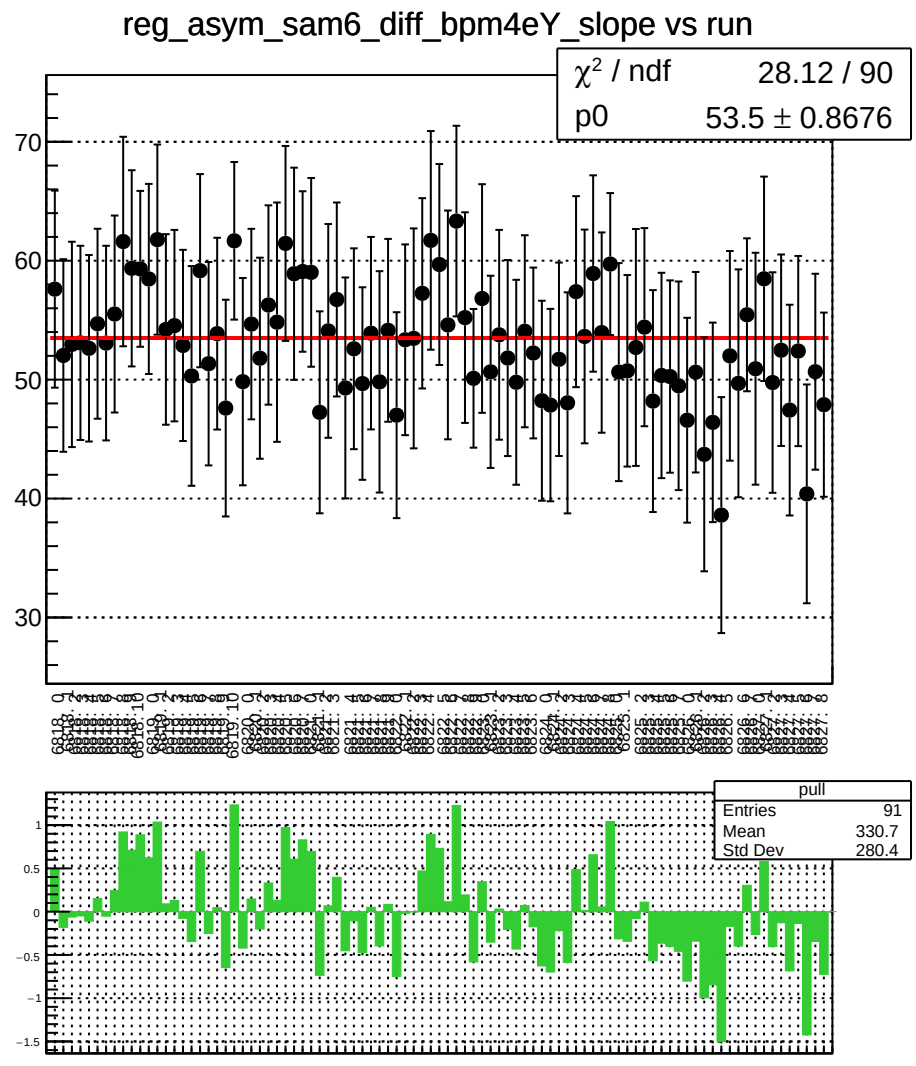

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 9.226 / 90
p0 30.96 ± 1.106
pull
Entries 91
Mean −86.53
Std Dev 142
pull1D
Entries 91
Mean 0.006691
Std Dev 0.3183

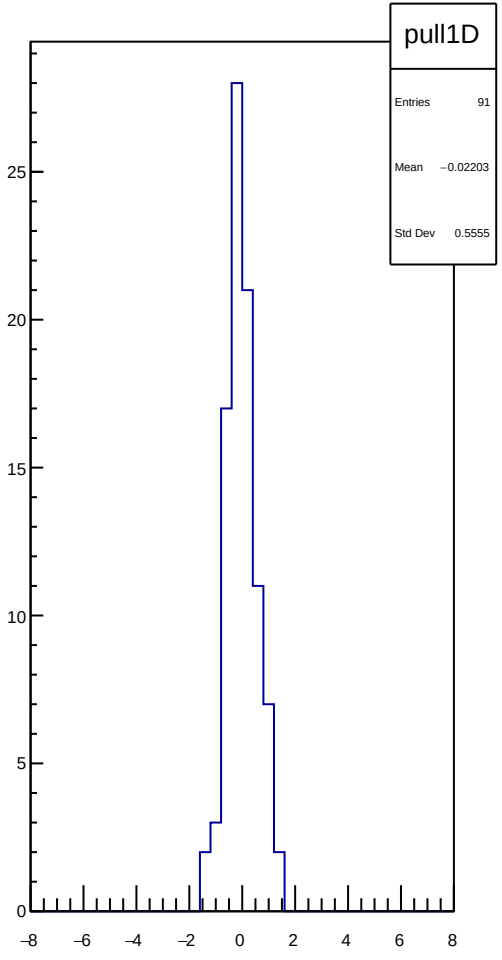

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 30.12 / 90
p0 52.47 ± 0.7484
pull
Entries 91
Mean 211.8
Std Dev 163.8

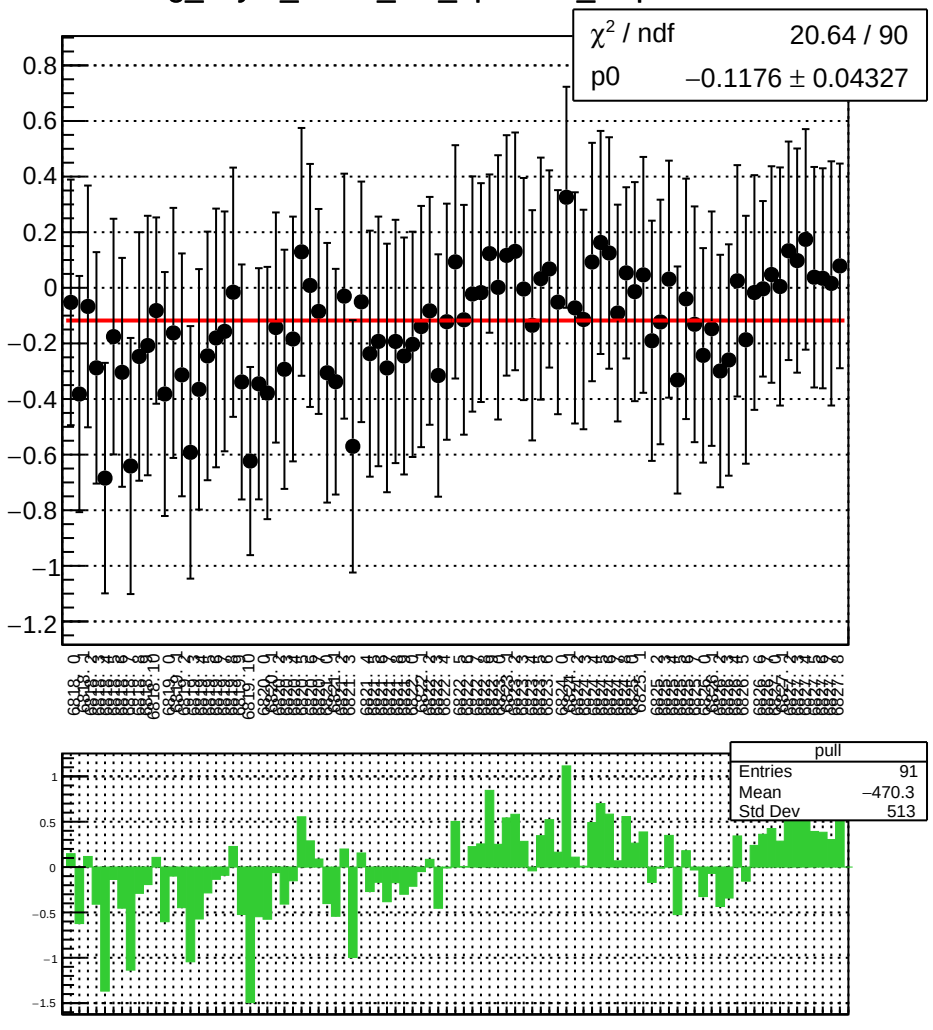

pull1D
Entries 91
Mean 0.04286
Std Dev 0.5738

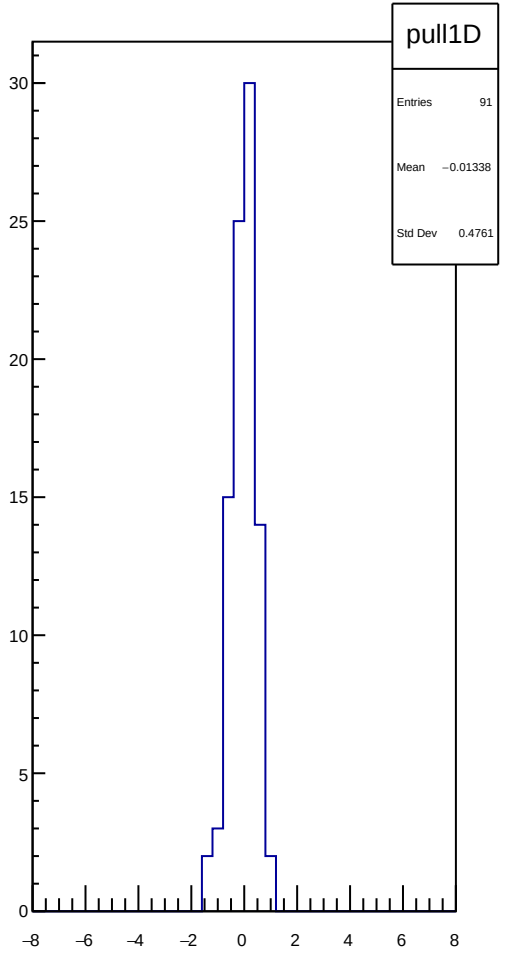

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 8.157 / 90
p0 39.94 ± 1.034
pull
Entries 91
Mean −166
Std Dev 214.1

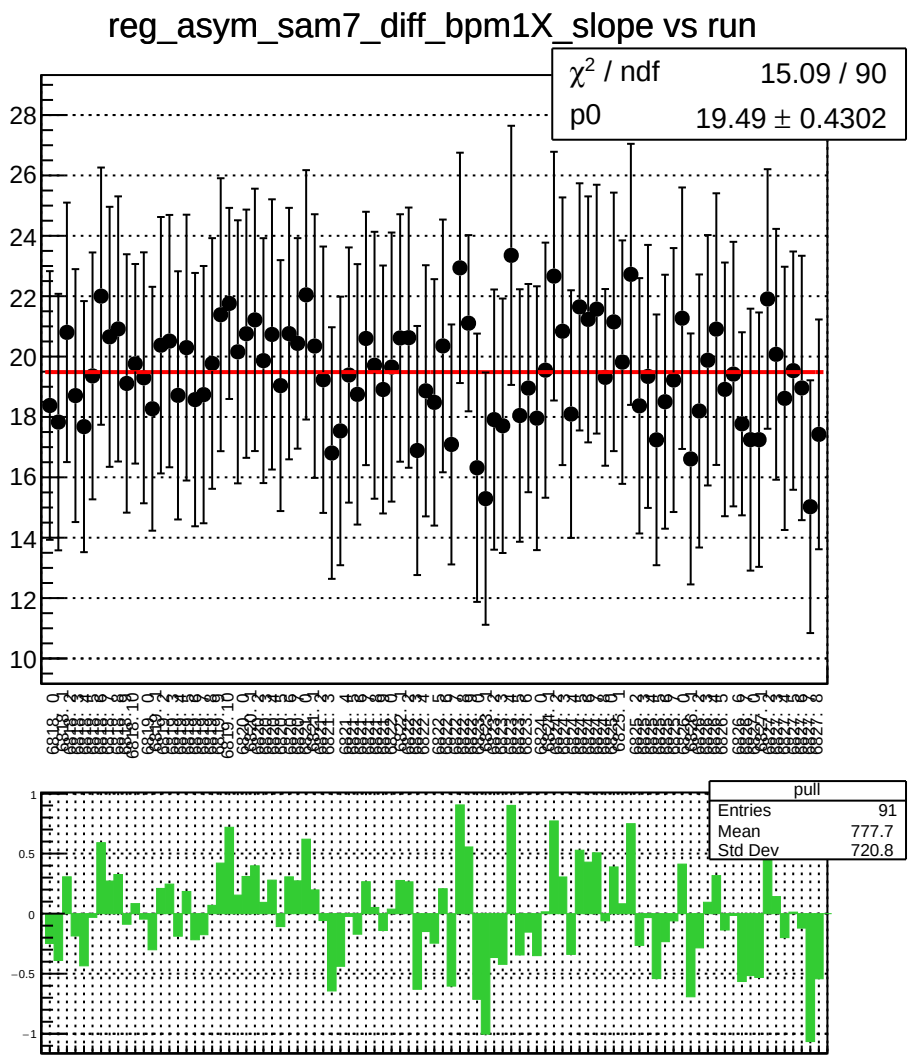

pull1D
Entries 91
Mean −0.00516
Std Dev 0.2994

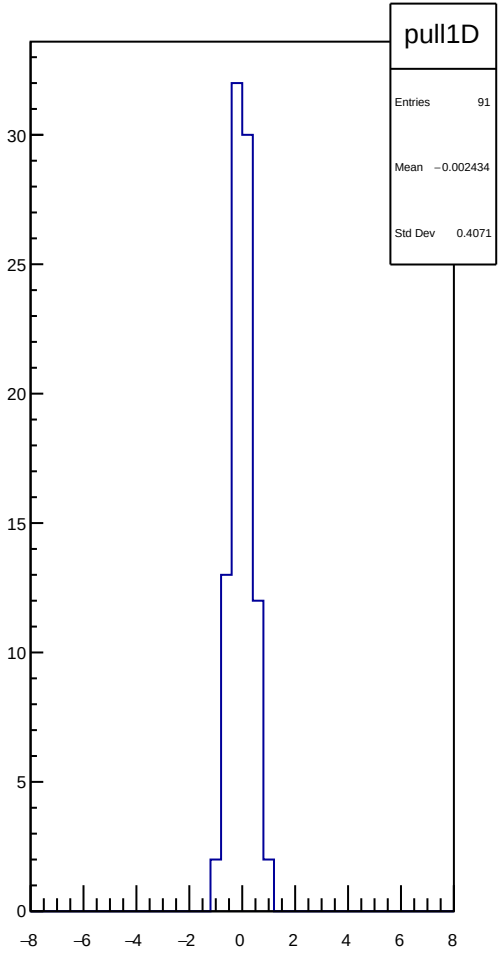

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 28.12 / 90
p0 53.5 ± 0.8676
pull
Entries 91
Mean 330.7
Std Dev 280.4

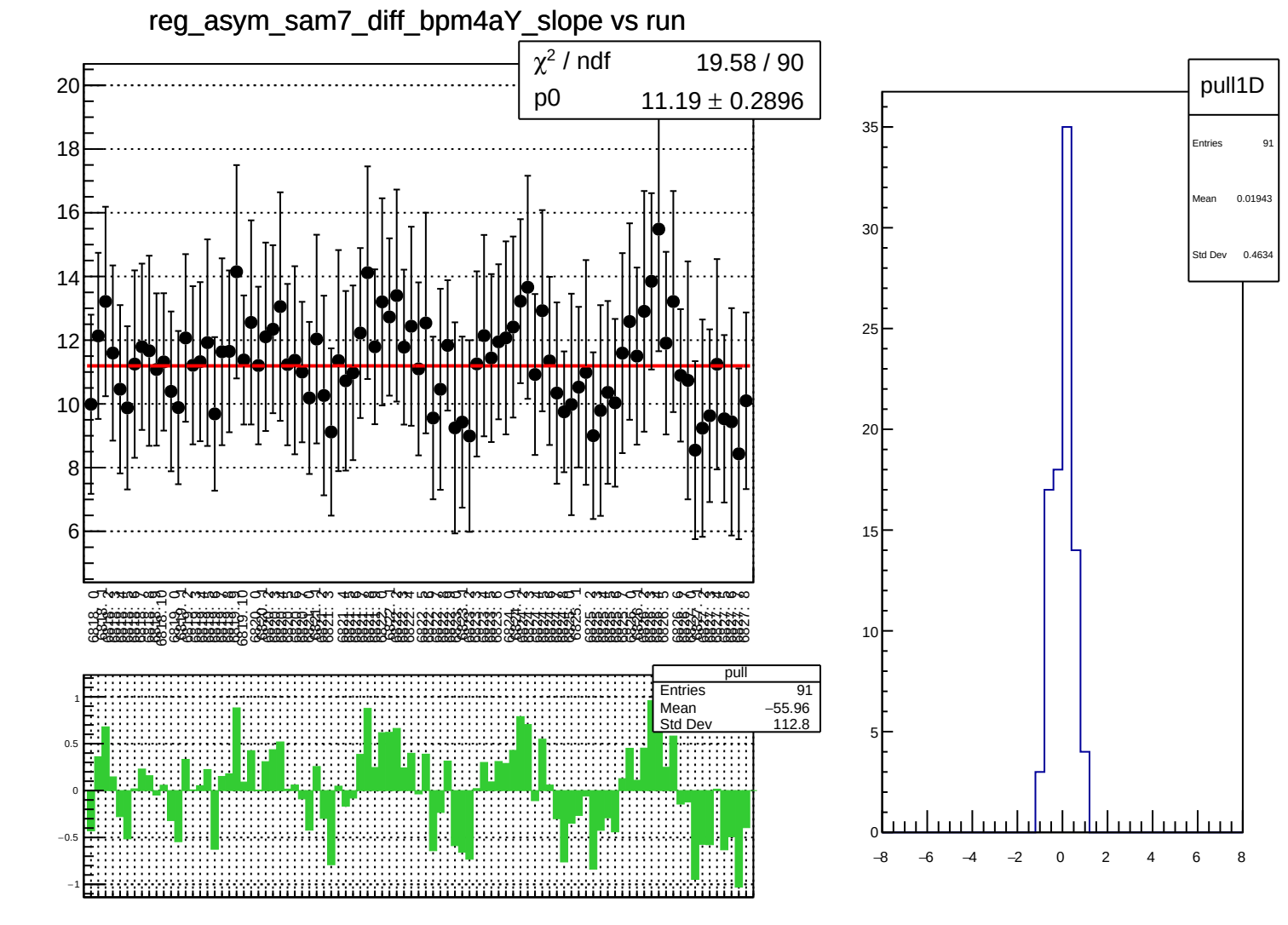

pull1D
Entries 91
Mean −0.02203
Std Dev 0.5555

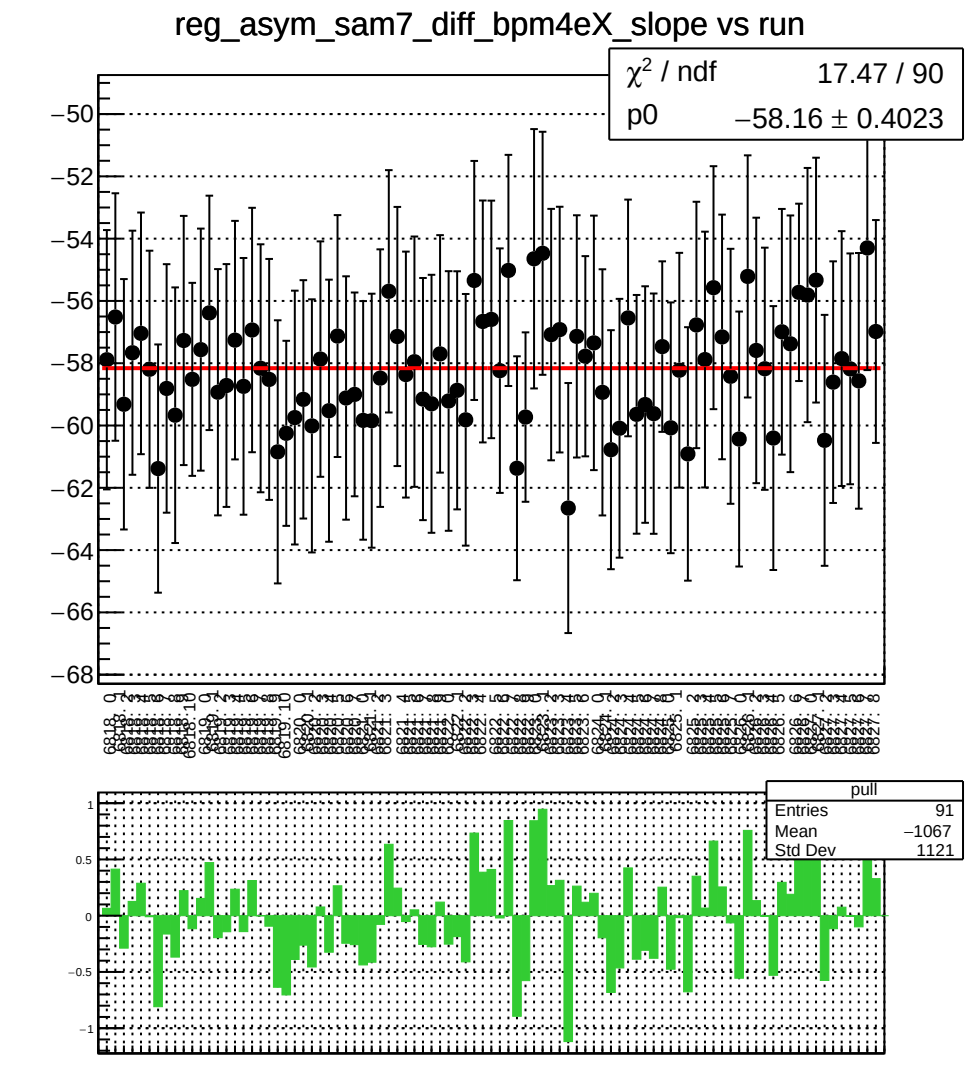

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 20.64 / 90
p0 −0.1176 ± 0.04327
pull
Entries 91
Mean −470.3
Std Dev 513

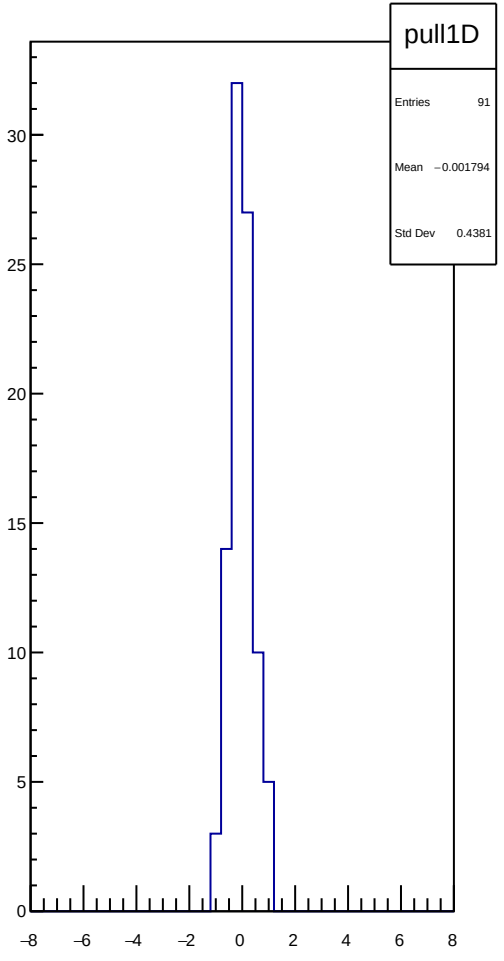

pull1D
Entries 91
Mean −0.01338
Std Dev 0.4761

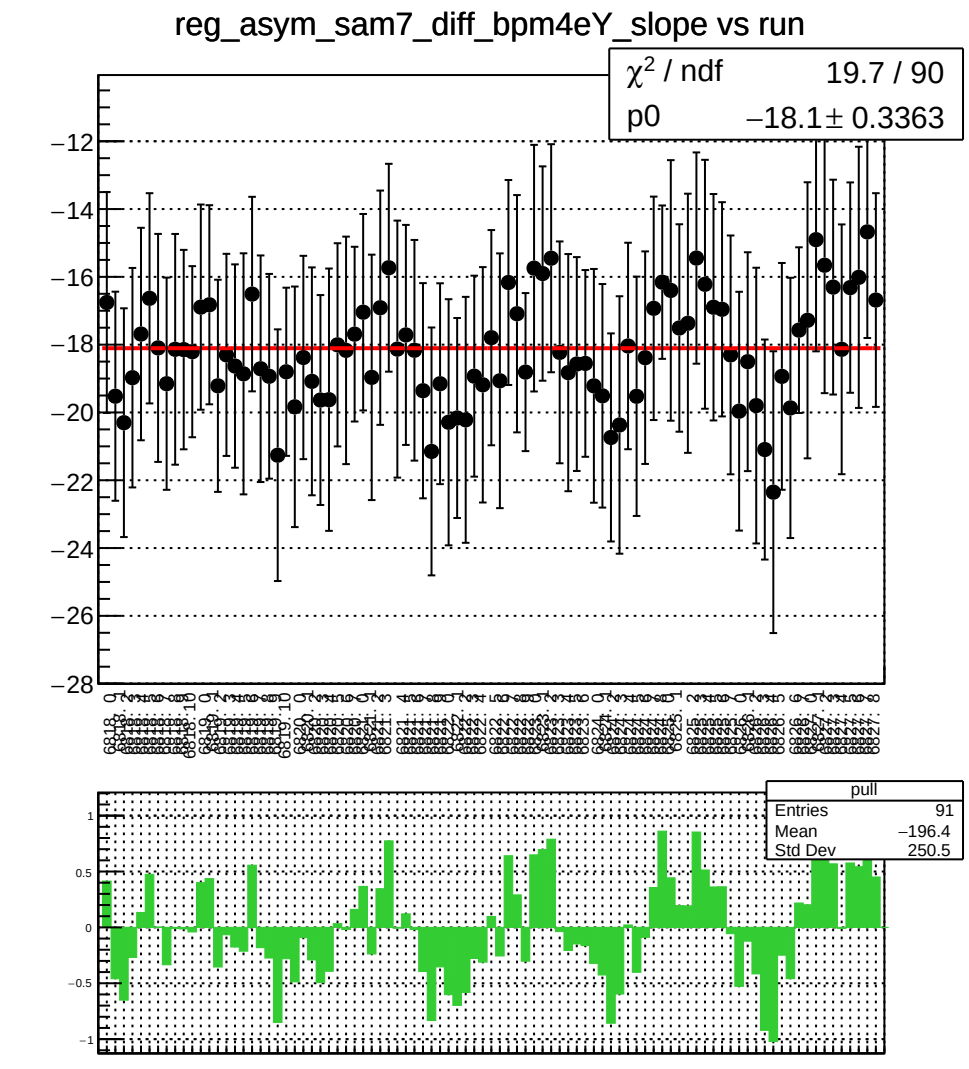

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 15.09 / 90
p0 19.49 ± 0.4302
pull
Entries 91
Mean 777.7
Std Dev 720.8

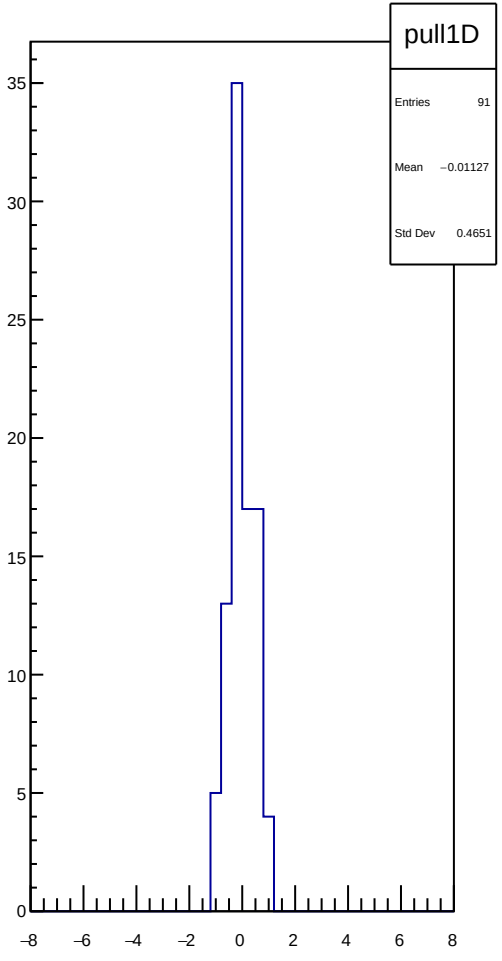

pull1D
Entries 91
Mean −0.002434
Std Dev 0.4071

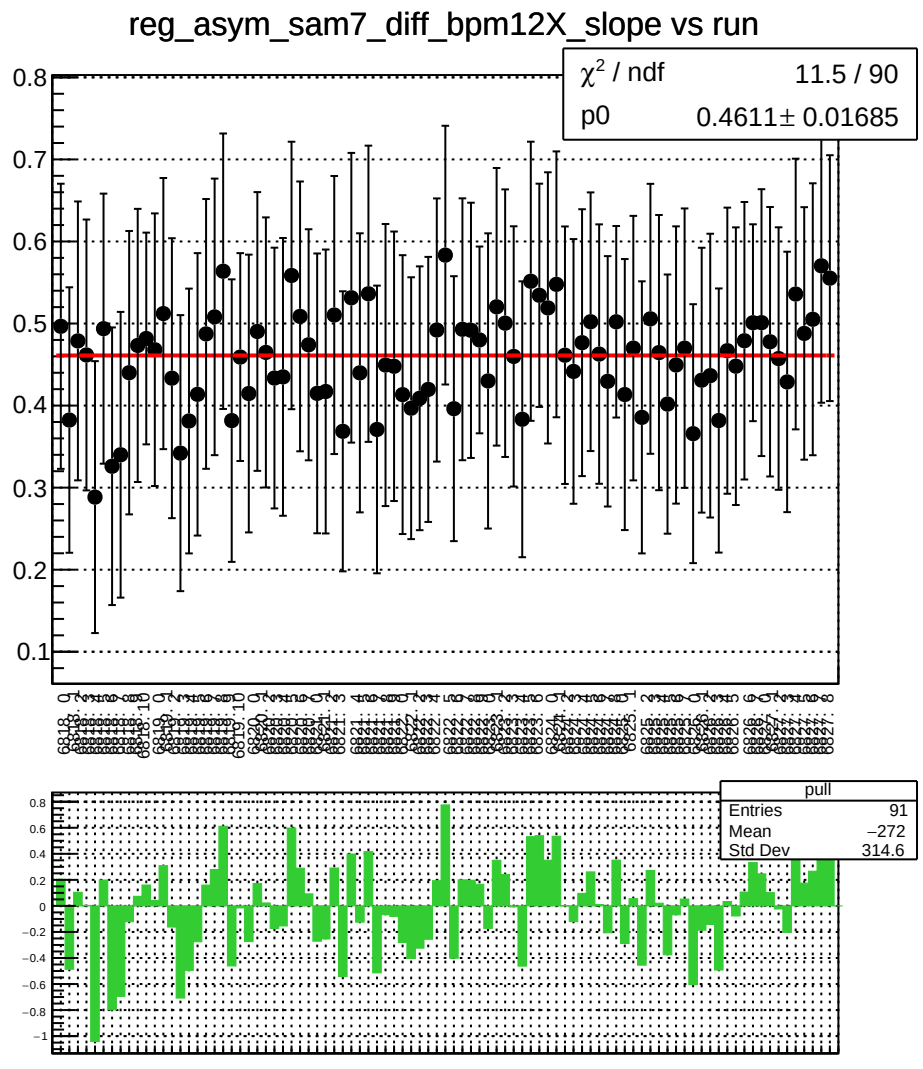

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 19.58 / 90
p0 11.19 ± 0.2896
pull
Entries 91
Mean −55.96
Std Dev 112.8
pull1D
Entries 91
Mean 0.01943
Std Dev 0.4634

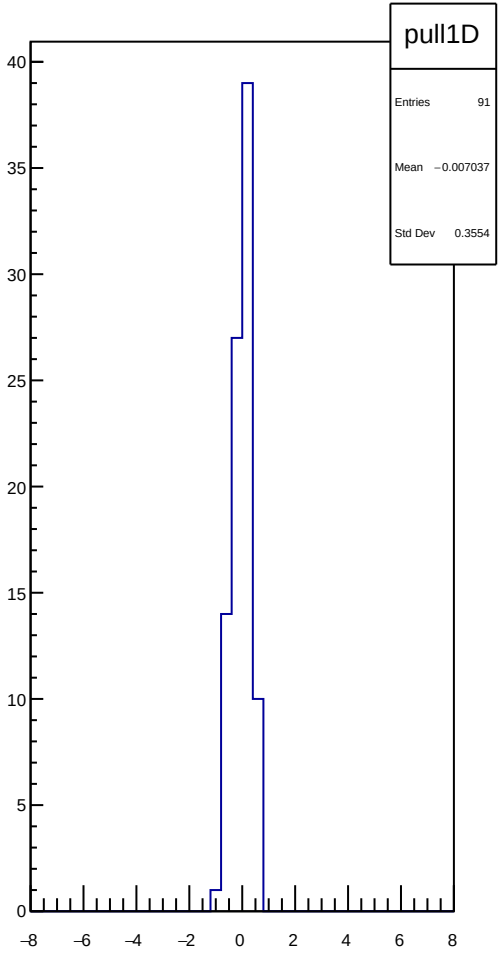

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 17.47 / 90
p0 −58.16 ± 0.4023
pull
Entries 91
Mean −1067
Std Dev 1121

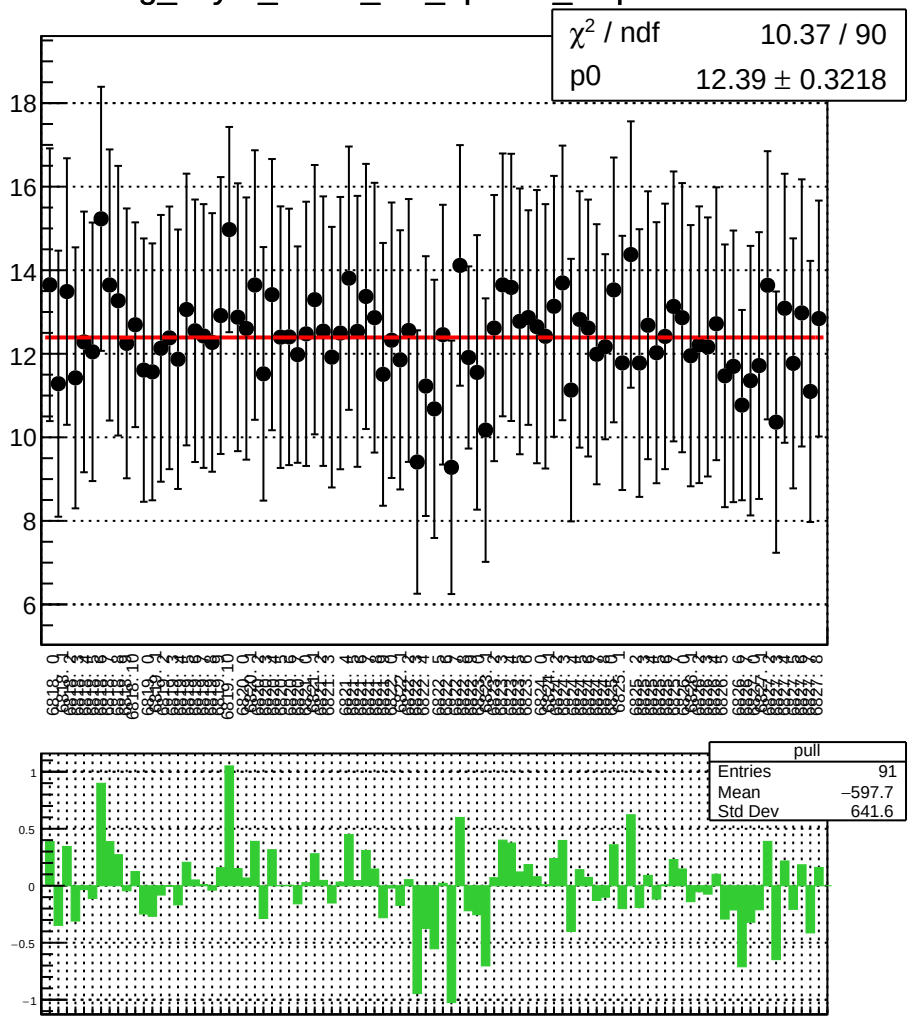

pull1D
Entries 91
Mean −0.001794
Std Dev 0.4381

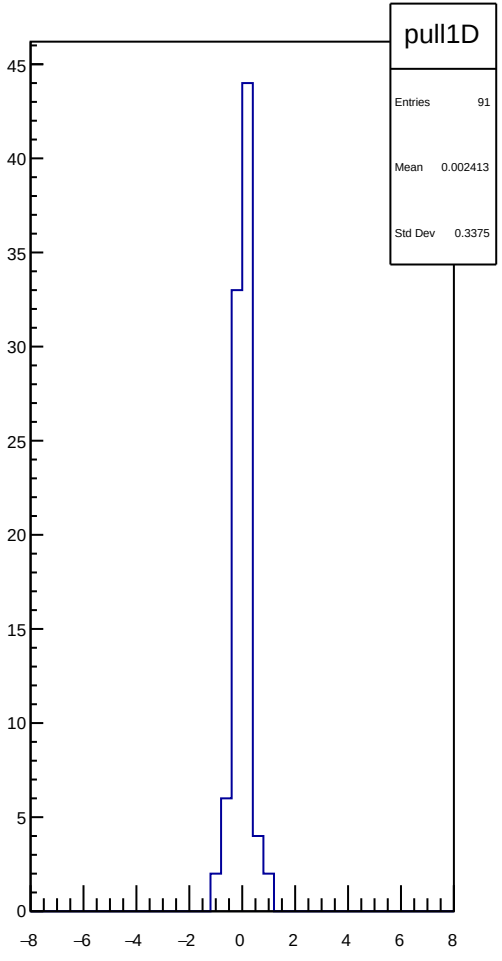

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 19.7 / 90
p0 −18.1 ± 0.3363
pull
Entries 91
Mean −196.4
Std Dev 250.5

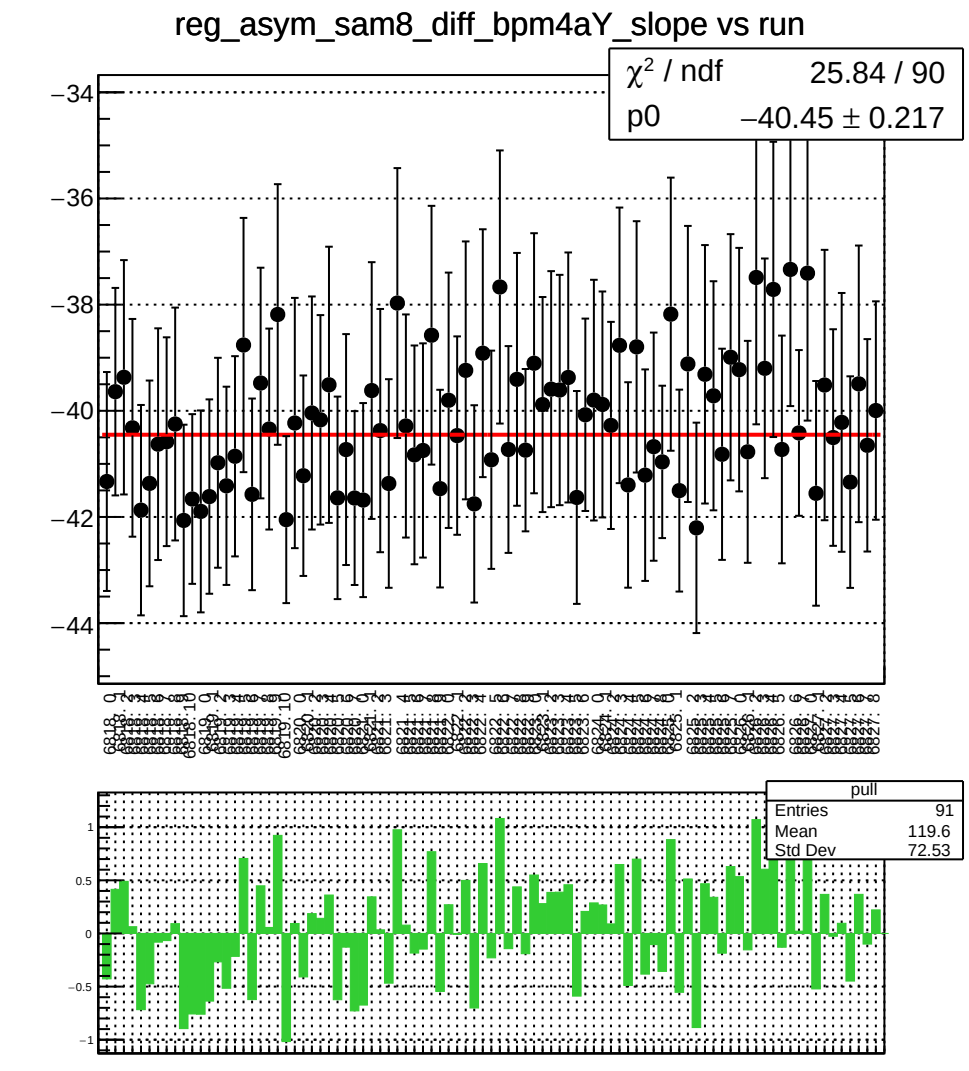

pull1D
Entries 91
Mean −0.01127
Std Dev 0.4651

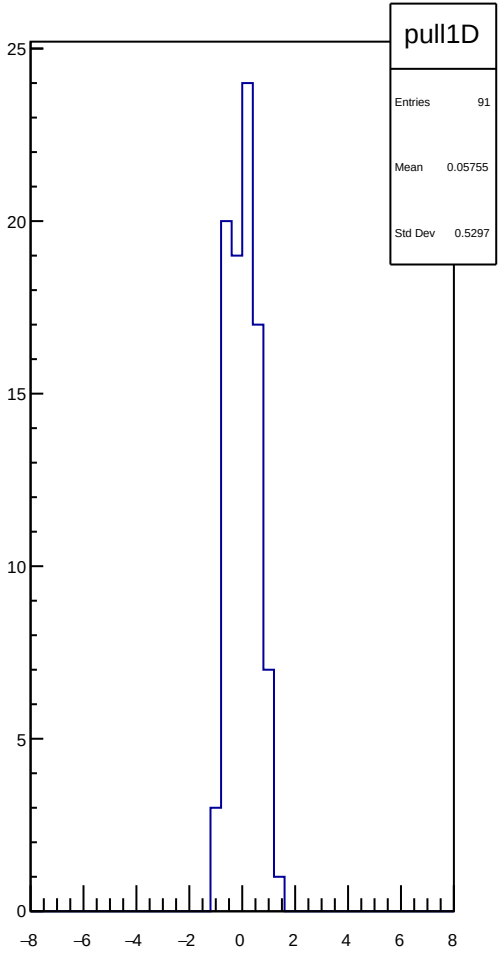

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 11.5 / 90
p0 0.4611± 0.01685
pull
Entries 91
Mean −272
Std Dev 314.6

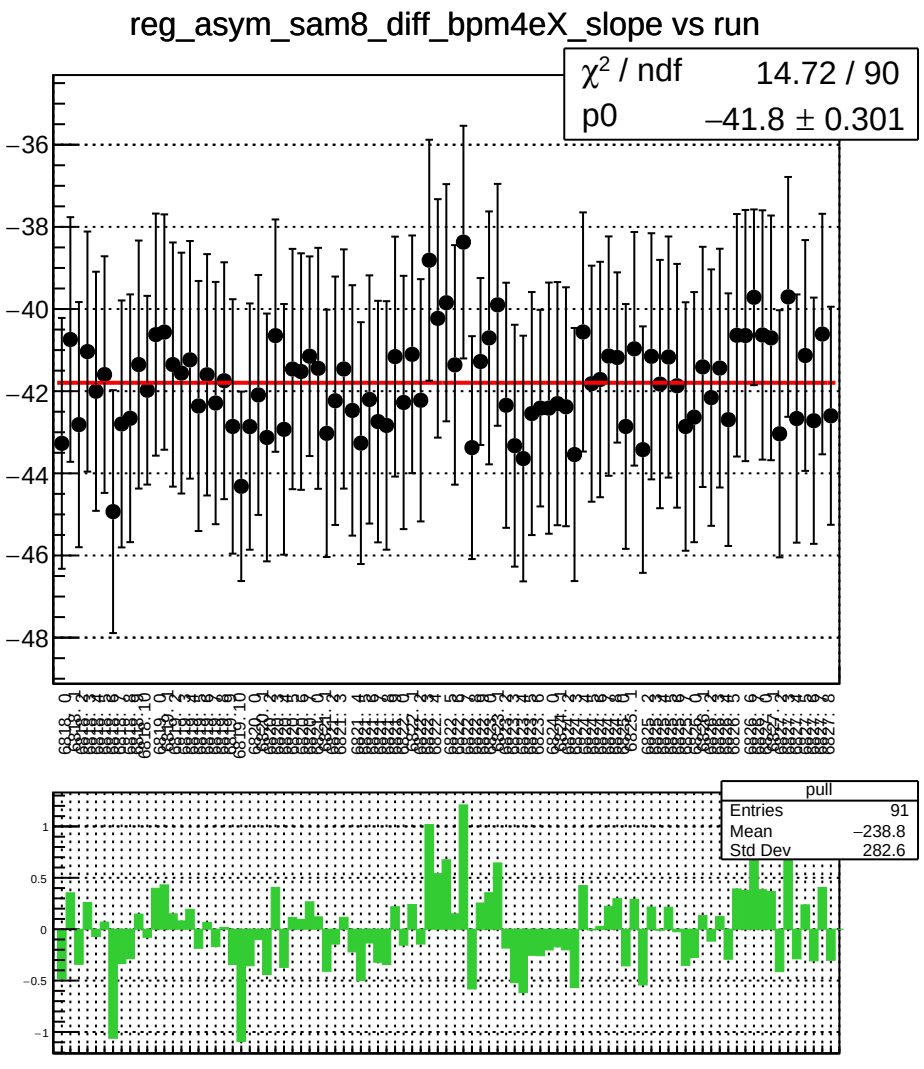

pull1D
Entries 91
Mean −0.007037
Std Dev 0.3554

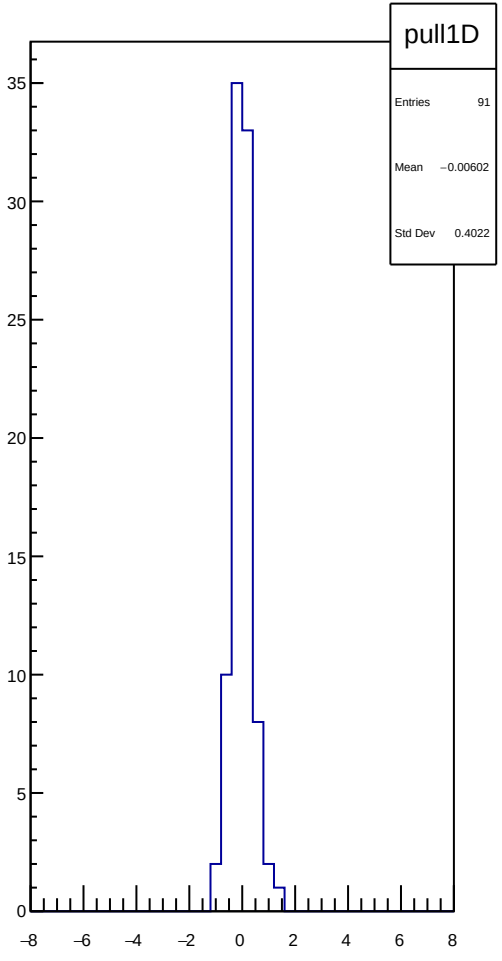

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 10.37 / 90
p0 12.39 ± 0.3218
pull
Entries 91
Mean −597.7
Std Dev 641.6

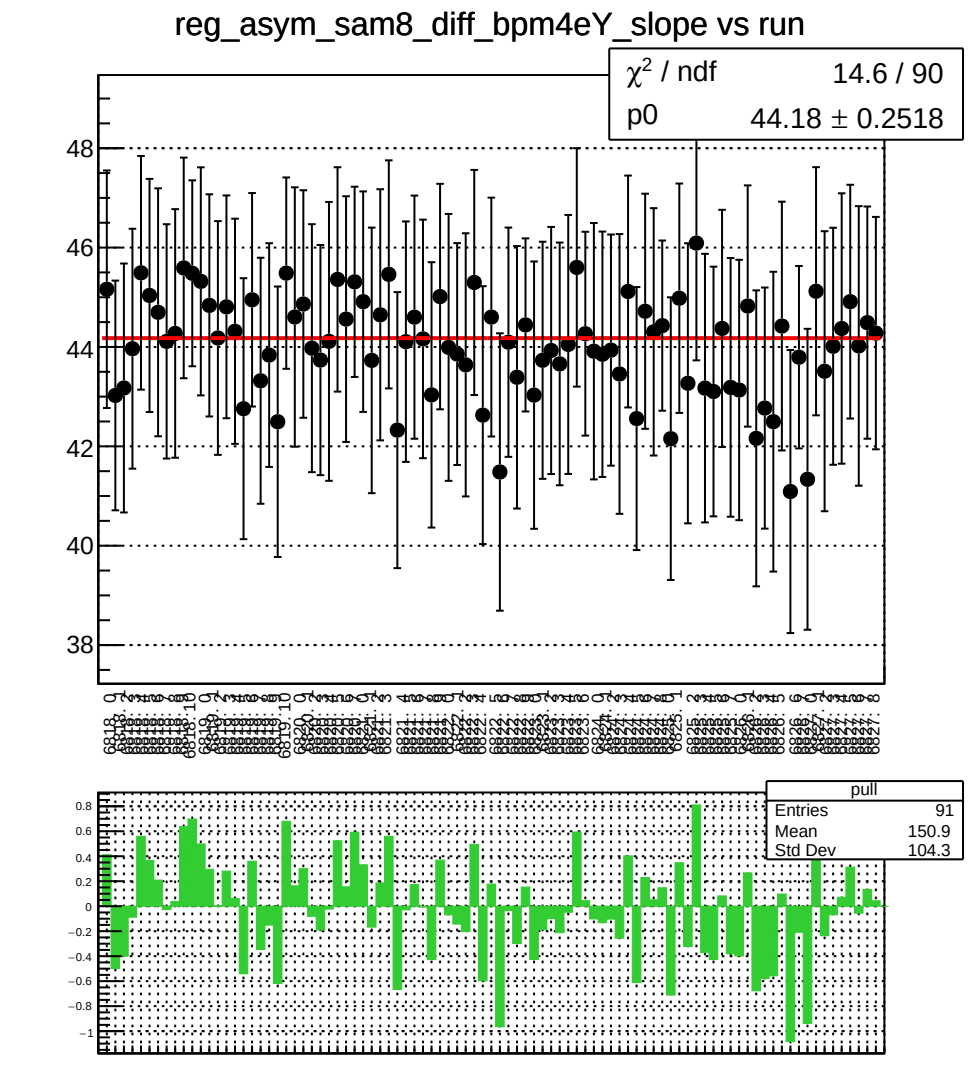

pull1D
Entries 91
Mean 0.002413
Std Dev 0.3375

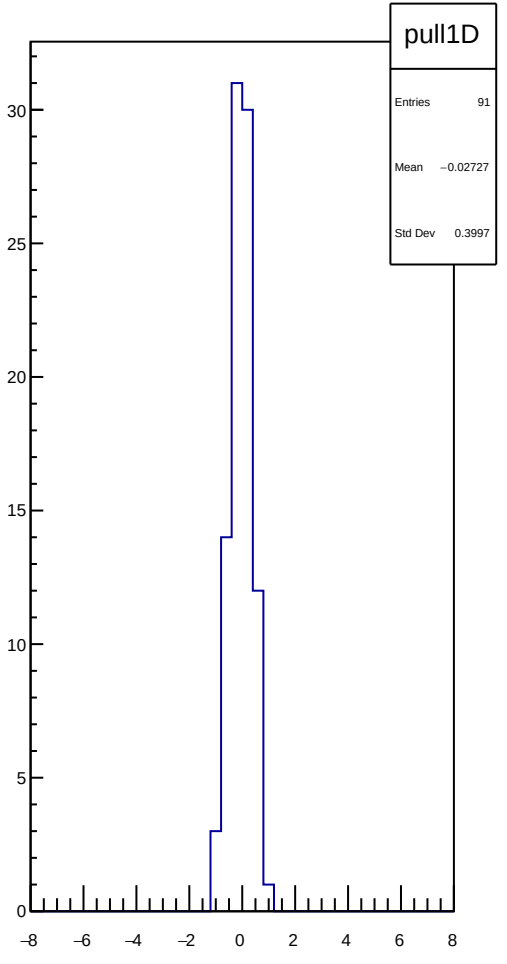

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 25.84 / 90
p0 −40.45 ± 0.217
pull
Entries 91
Mean 119.6
Std Dev 72.53

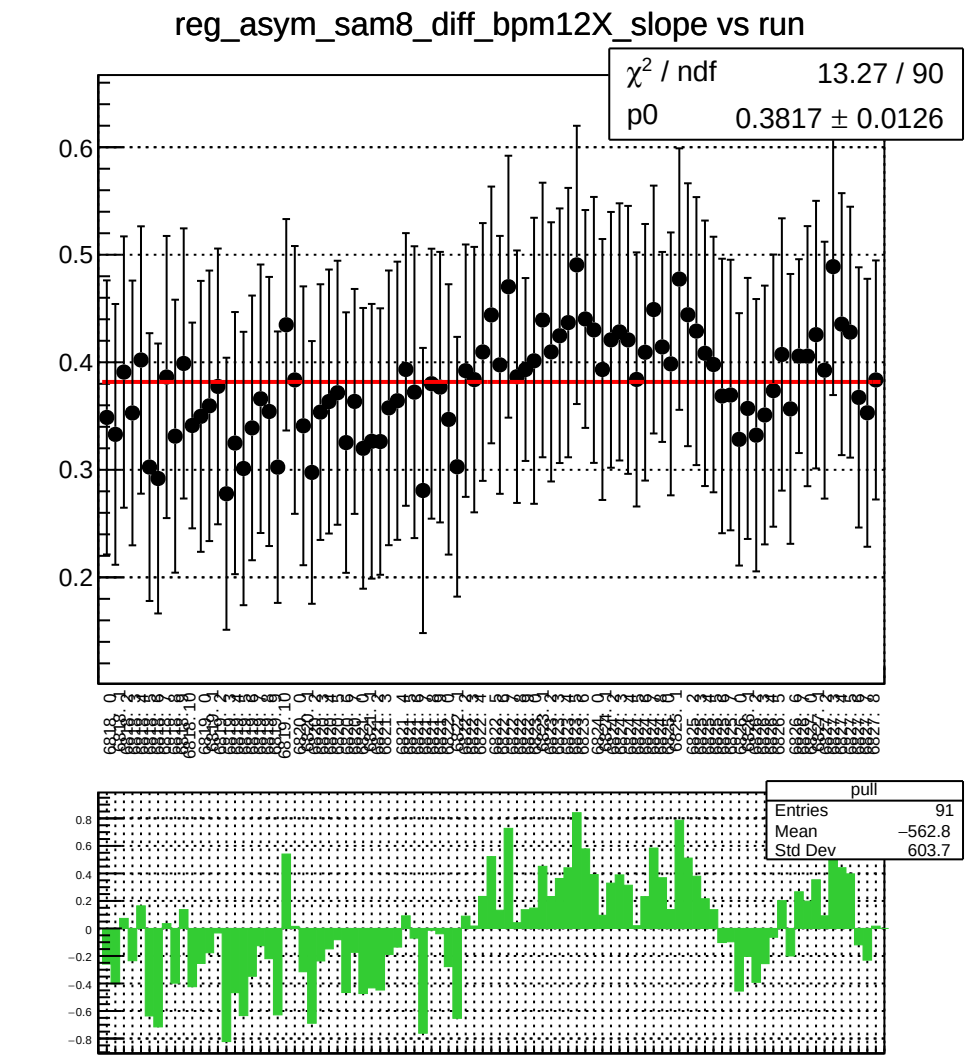

pull1D
Entries 91
Mean 0.05755
Std Dev 0.5297

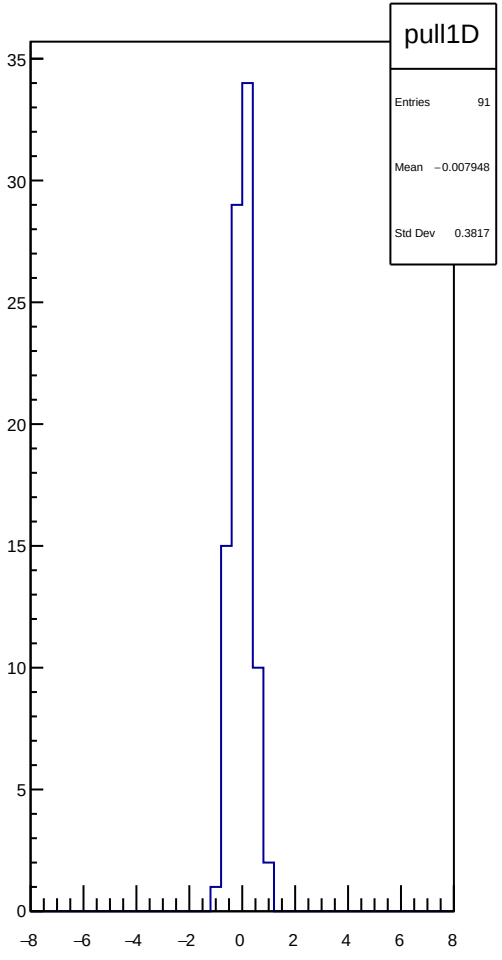

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 14.72 / 90
p0 −41.8 ± 0.301
pull
Entries 91
Mean −238.8
Std Dev 282.6

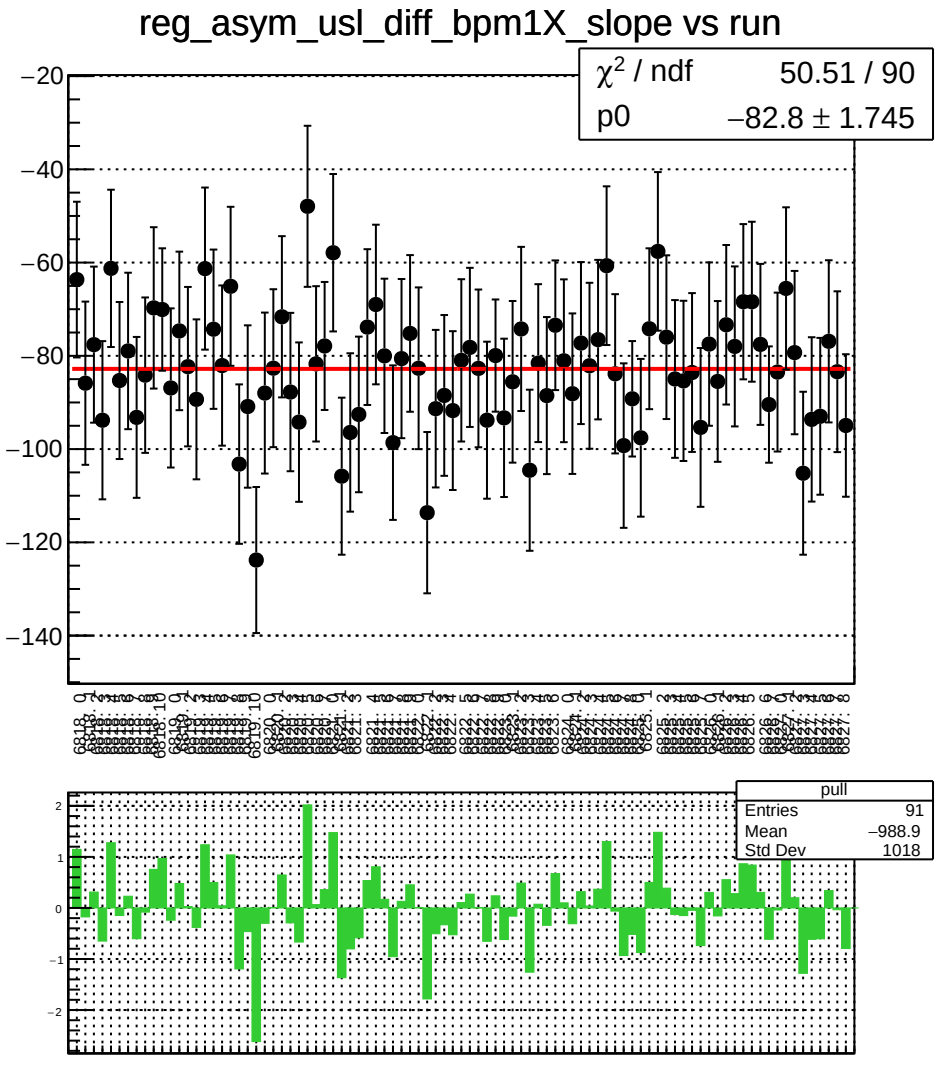

pull1D
Entries 91
Mean −0.00602
Std Dev 0.4022

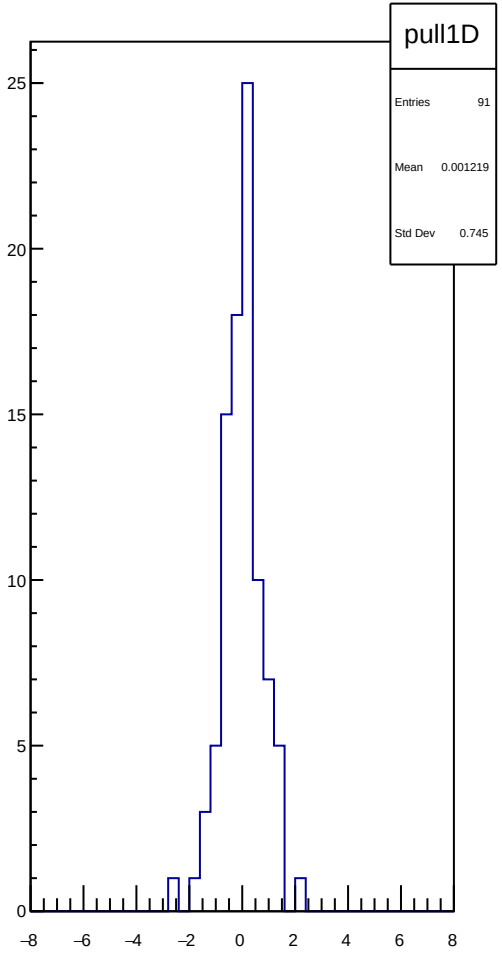

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 14.6 / 90
p0 44.18 ± 0.2518
48
46
44
42
40
38
pull
Entries 91
Mean 150.9
Std Dev 104.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

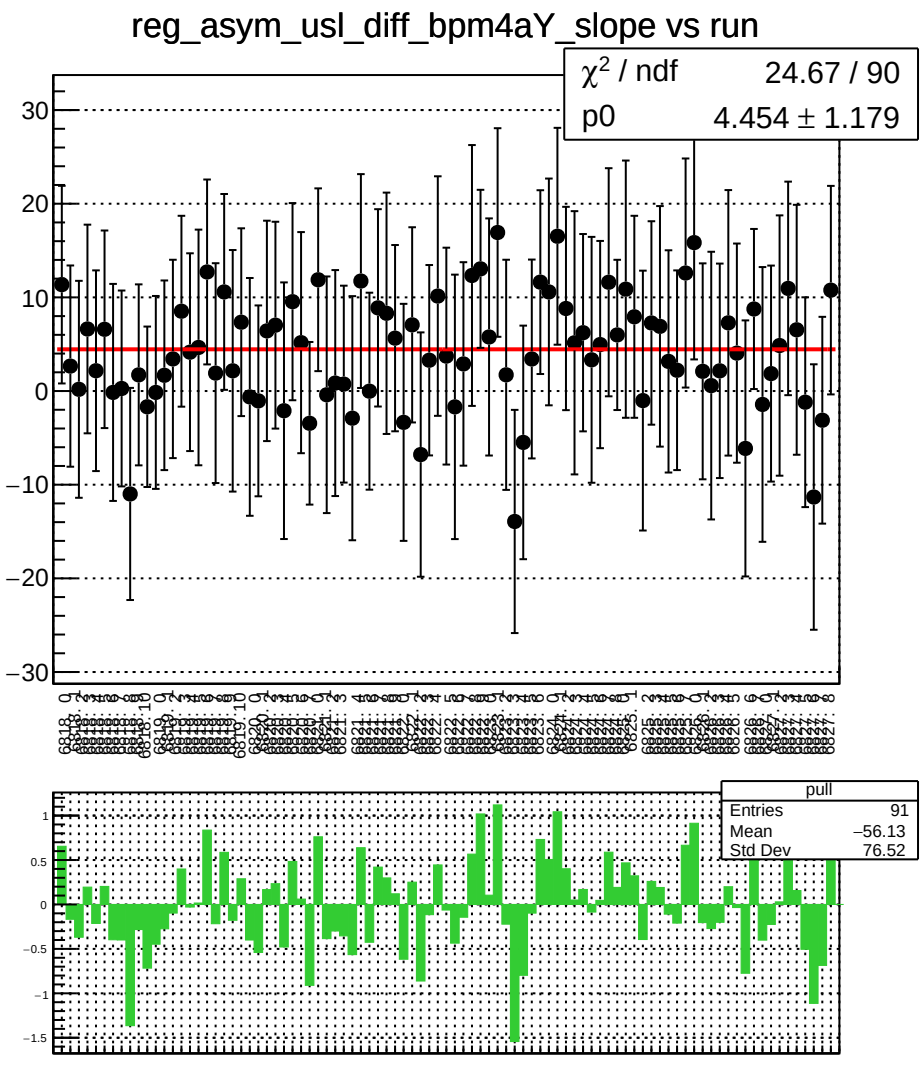

pull1D
Entries 91
Mean −0.02727
Std Dev 0.3997
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

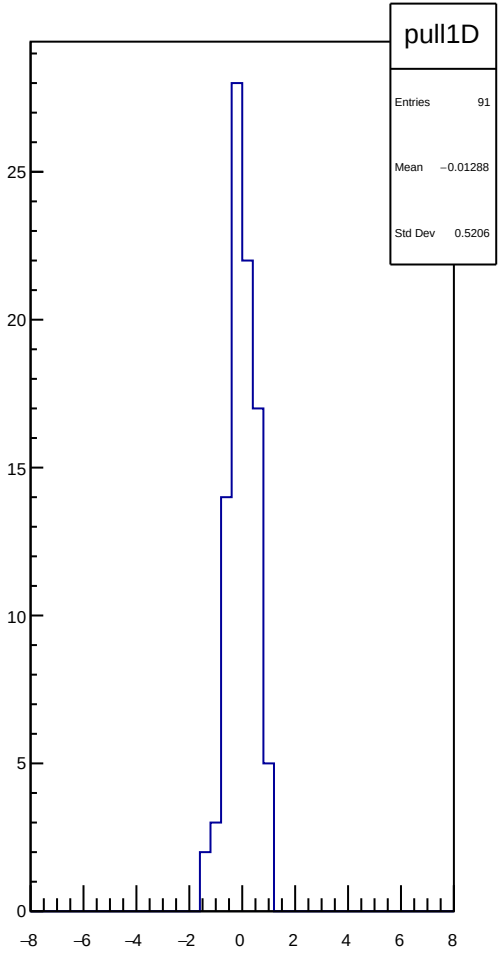

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 13.27 / 90
p0 0.3817 ± 0.0126
pull
Entries 91
Mean −562.8
Std Dev 603.7

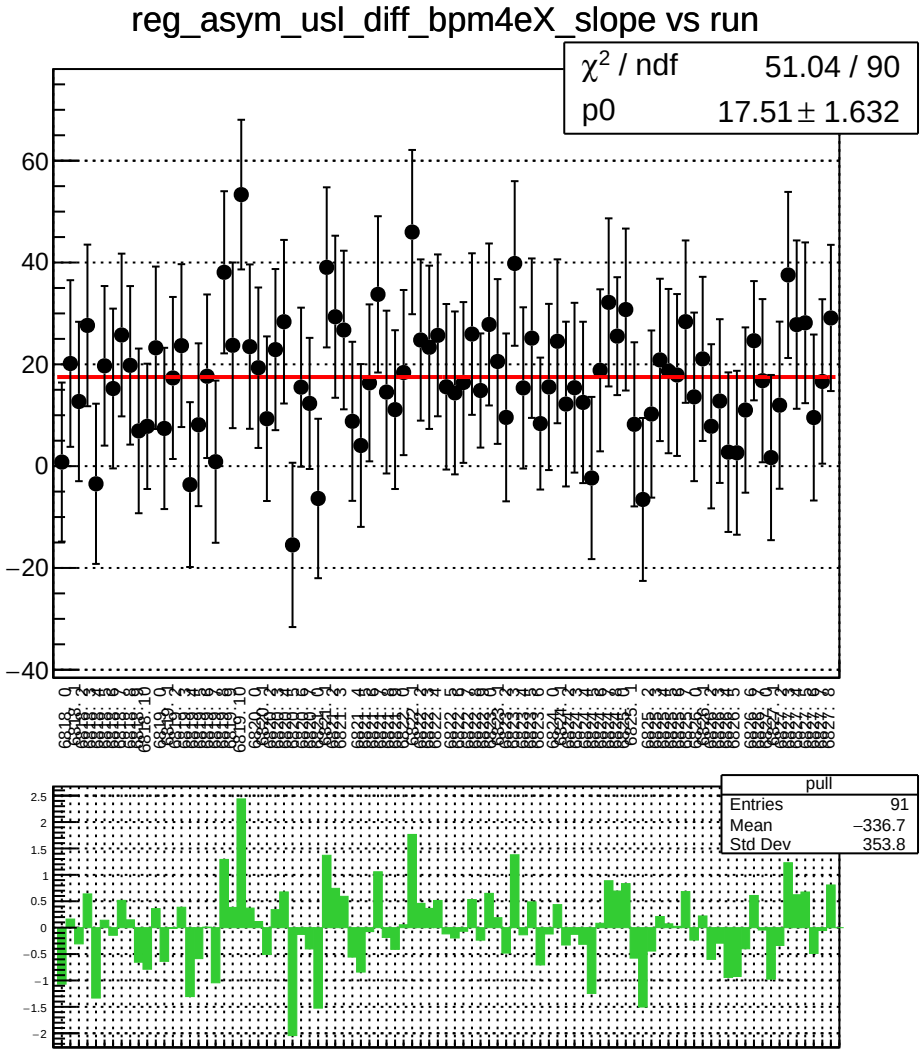

pull1D
Entries 91
Mean −0.007948
Std Dev 0.3817

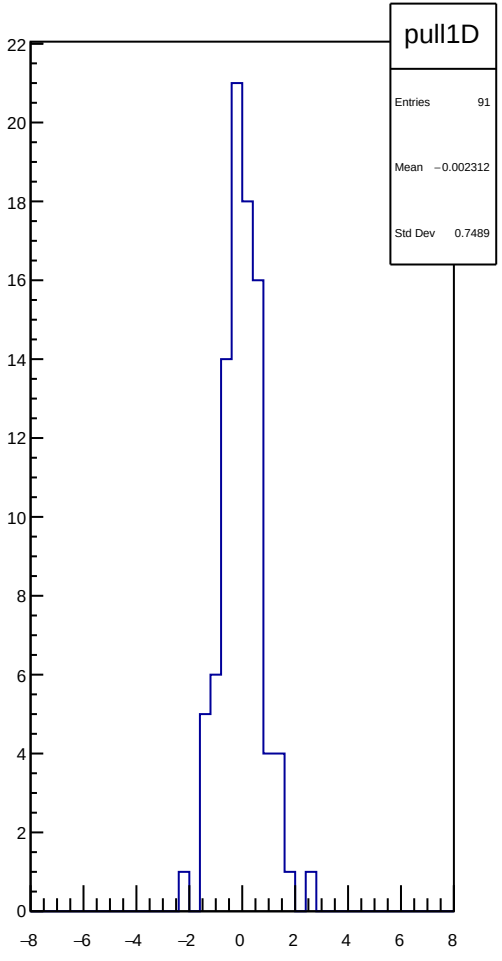

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 50.51 / 90
p0 −82.8 ± 1.745
pull
Entries 91
Mean −988.9
Std Dev 1018

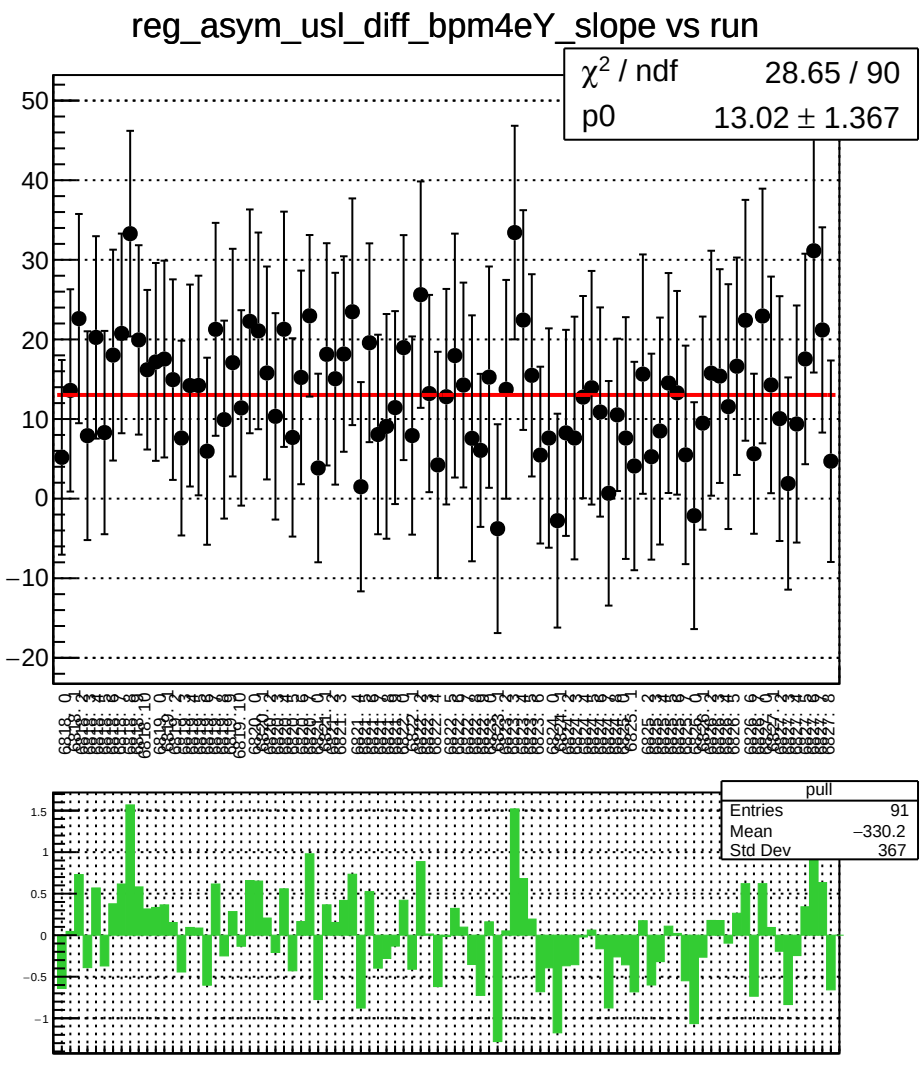

pull1D
Entries 91
Mean 0.001219
Std Dev 0.745

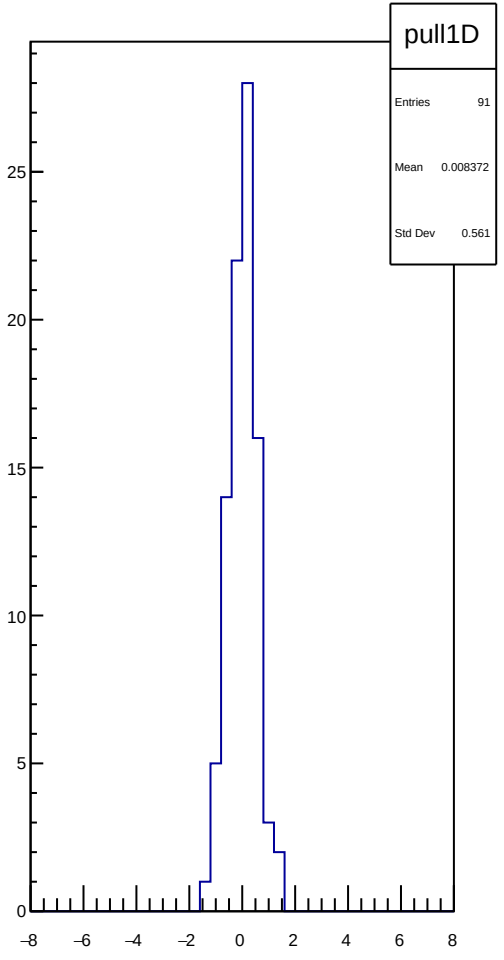

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 24.67 / 90
p0 4.454 ± 1.179
pull
Entries 91
Mean −56.13
Std Dev 76.52

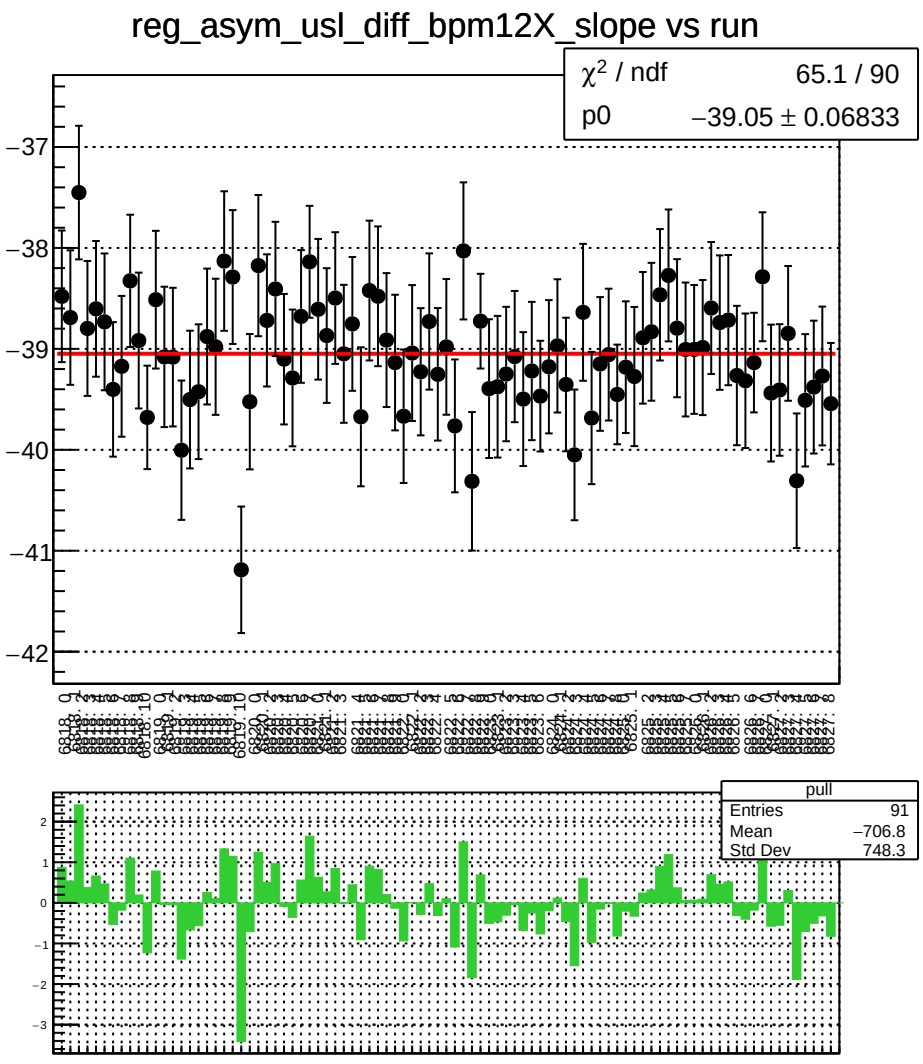

pull1D
Entries 91
Mean −0.01288
Std Dev 0.5206

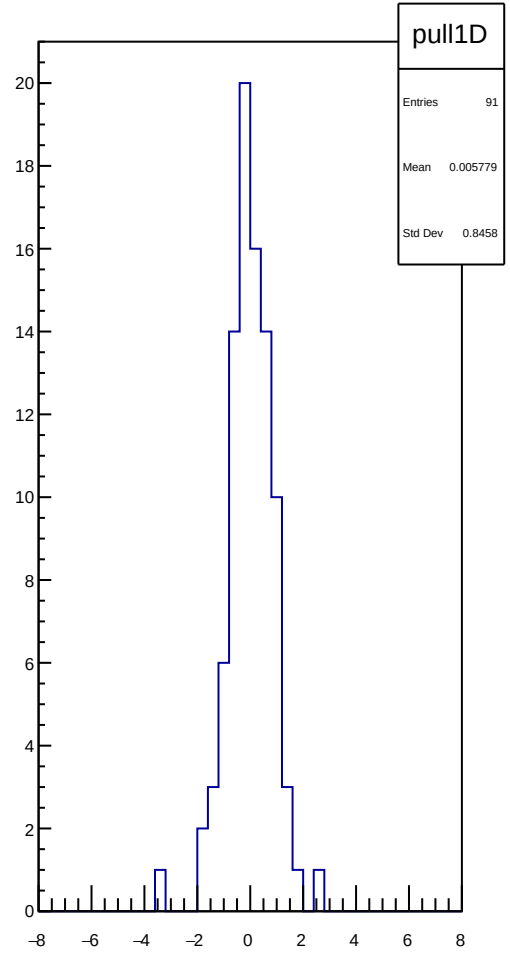

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 51.04 / 90
p0 17.51 ± 1.632
pull
Entries 91
Mean −336.7
Std Dev 353.8

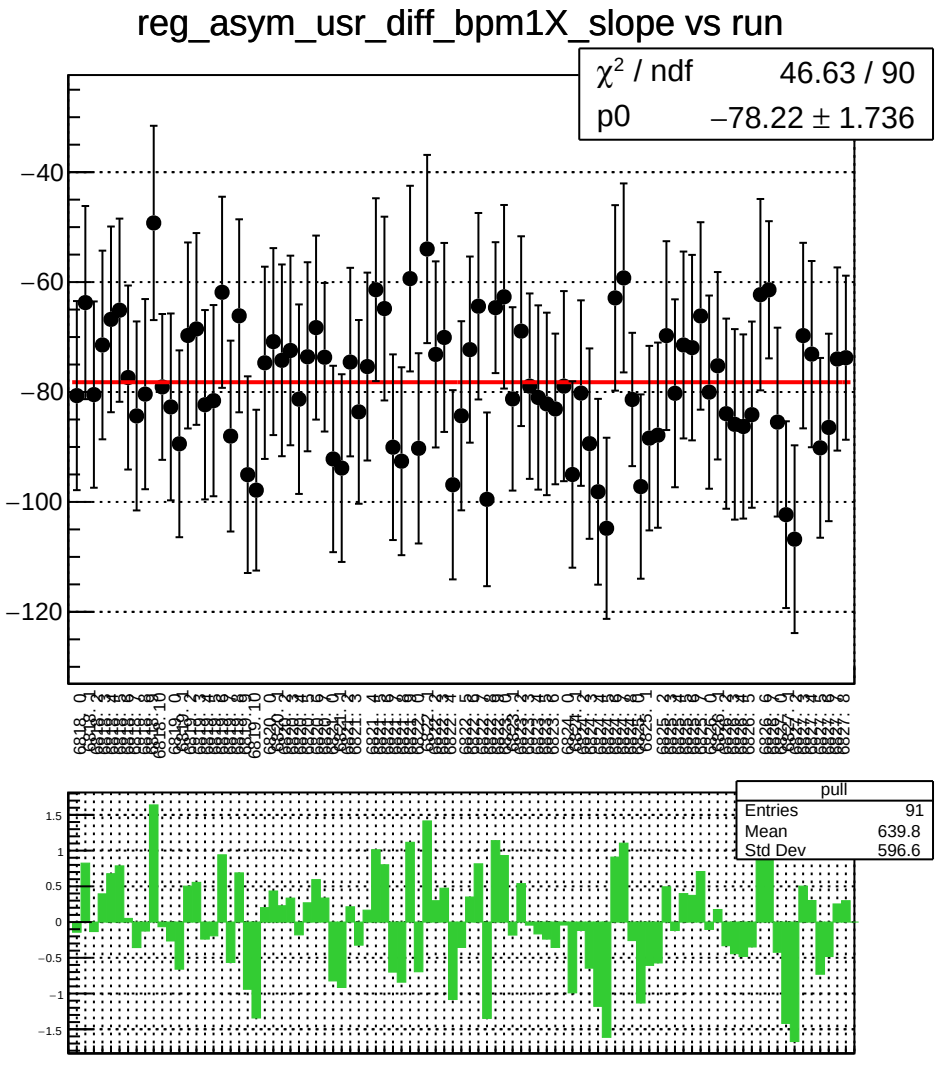

pull1D
Entries 91
Mean −0.002312
Std Dev 0.7489

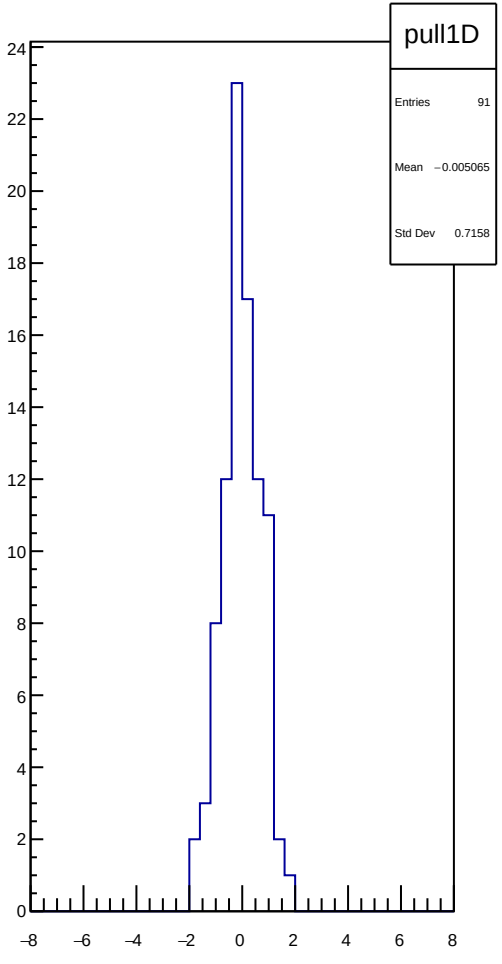

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 28.65 / 90
p0 13.02 ± 1.367
pull
Entries 91
Mean −330.2
Std Dev 367

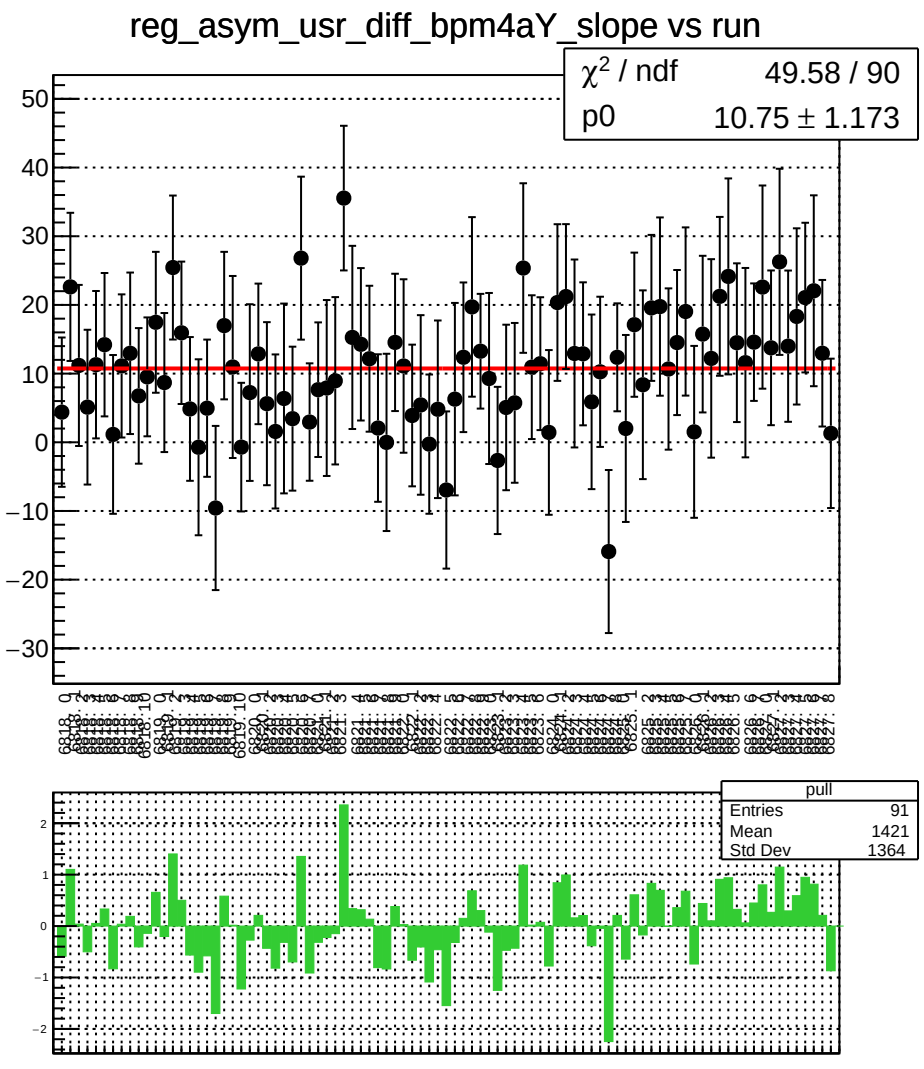

pull1D
Entries 91
Mean 0.008372
Std Dev 0.561

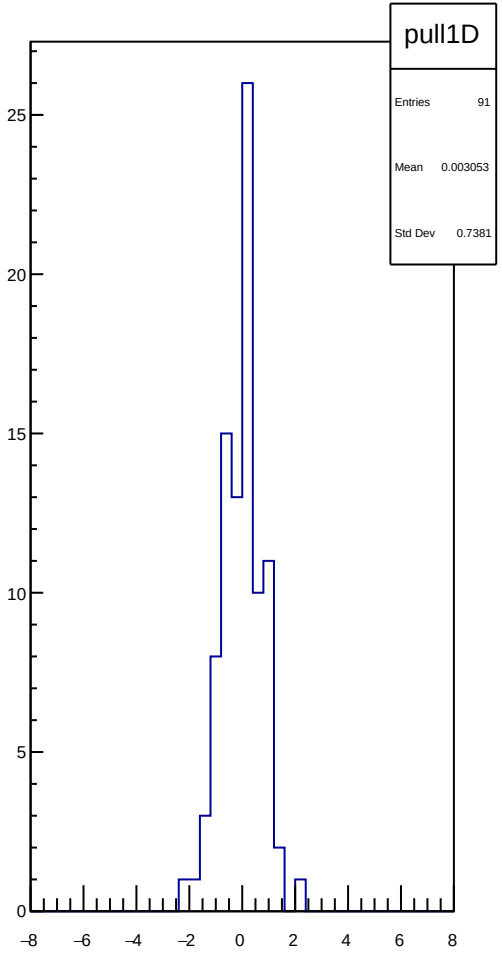

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 65.1 / 90
p0 −39.05 ± 0.06833
pull
Entries 91
Mean −706.8
Std Dev 748.3

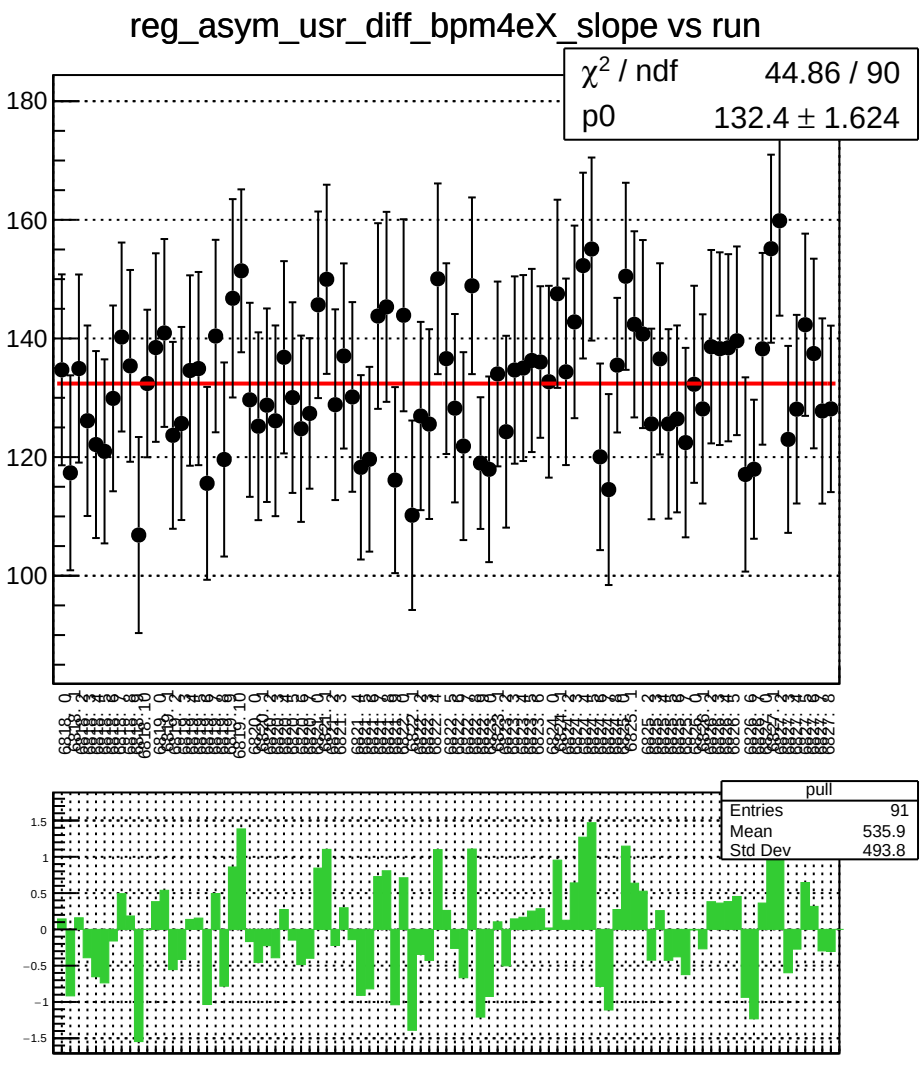

pull1D
Entries 91
Mean 0.005779
Std Dev 0.8458

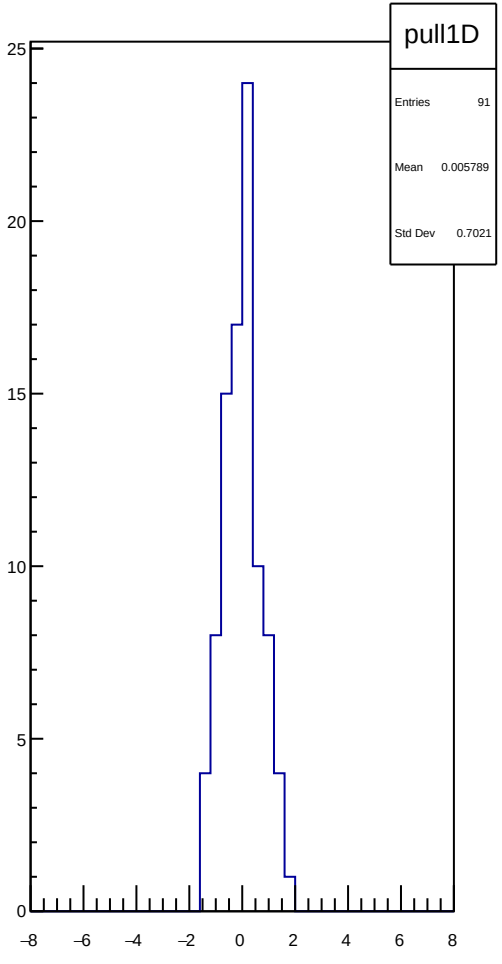

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 46.63 / 90
p0 −78.22 ± 1.736
pull
Entries 91
Mean 639.8
Std Dev 596.6

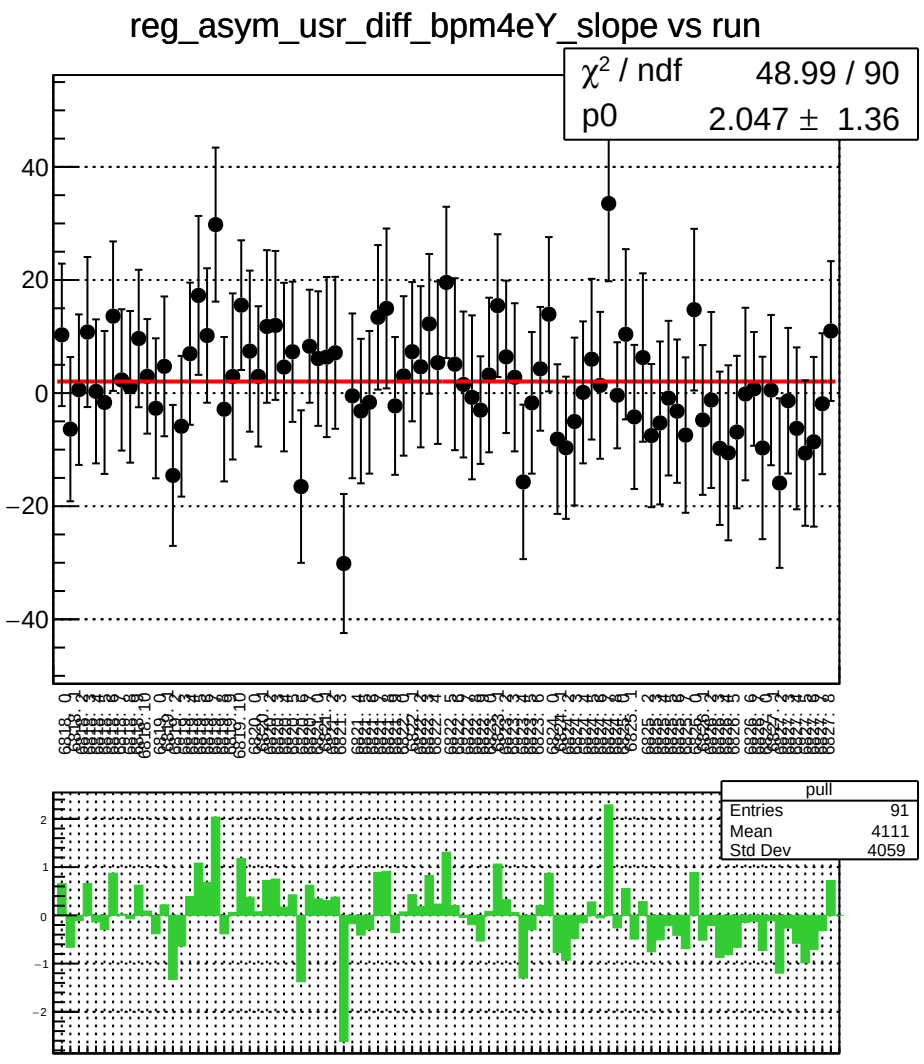

pull1D
Entries 91
Mean −0.005065
Std Dev 0.7158

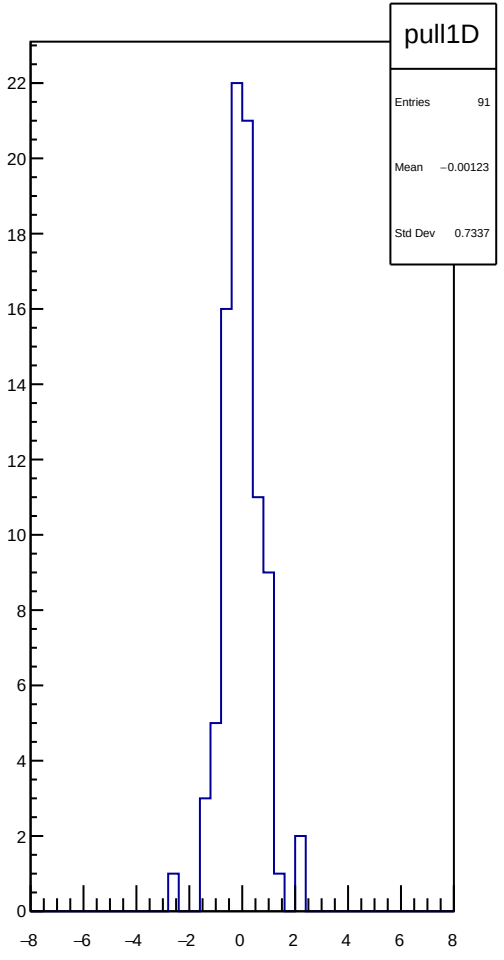

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 49.58 / 90
p0 10.75 ± 1.173
pull
Entries 91
Mean 1421
Std Dev 1364

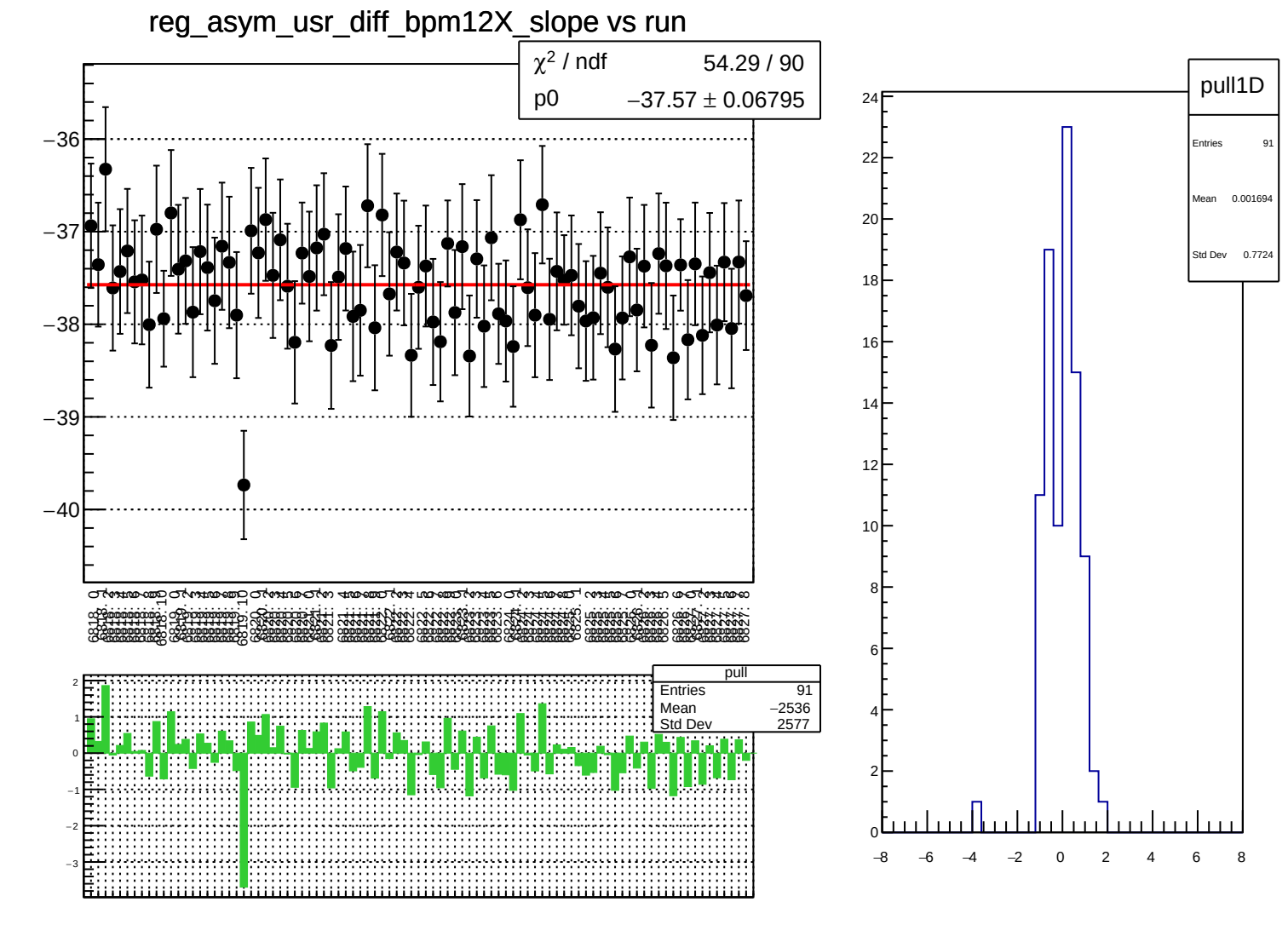

pull1D
Entries 91
Mean 0.003053
Std Dev 0.7381

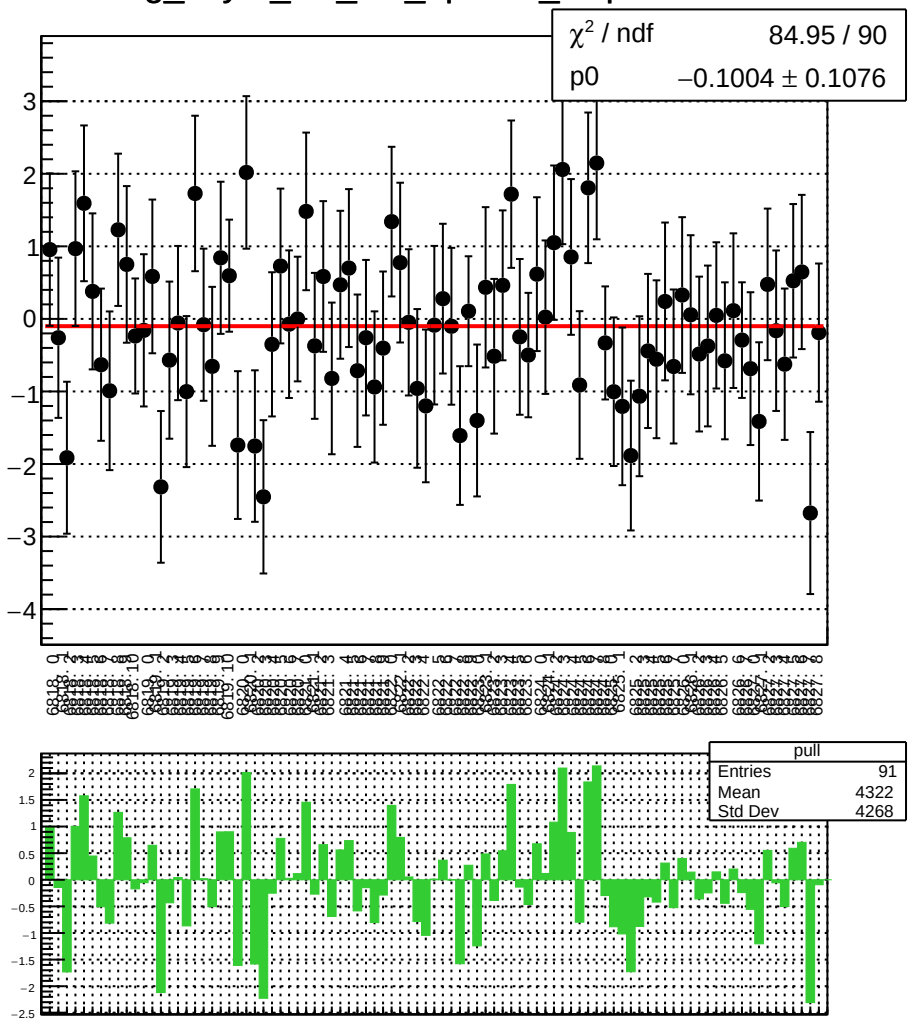

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 44.86 / 90
p0 132.4 ± 1.624
pull
Entries 91
Mean 535.9
Std Dev 493.8

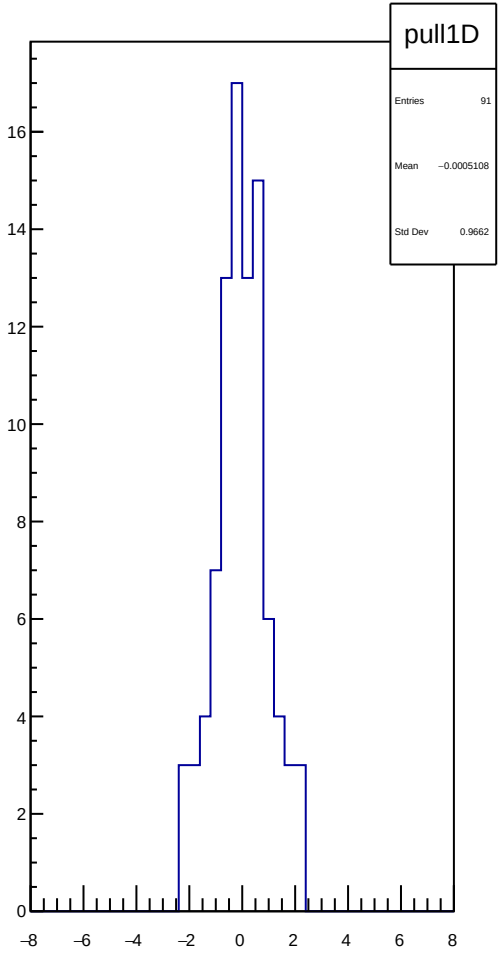

pull1D
Entries 91
Mean 0.005789
Std Dev 0.7021

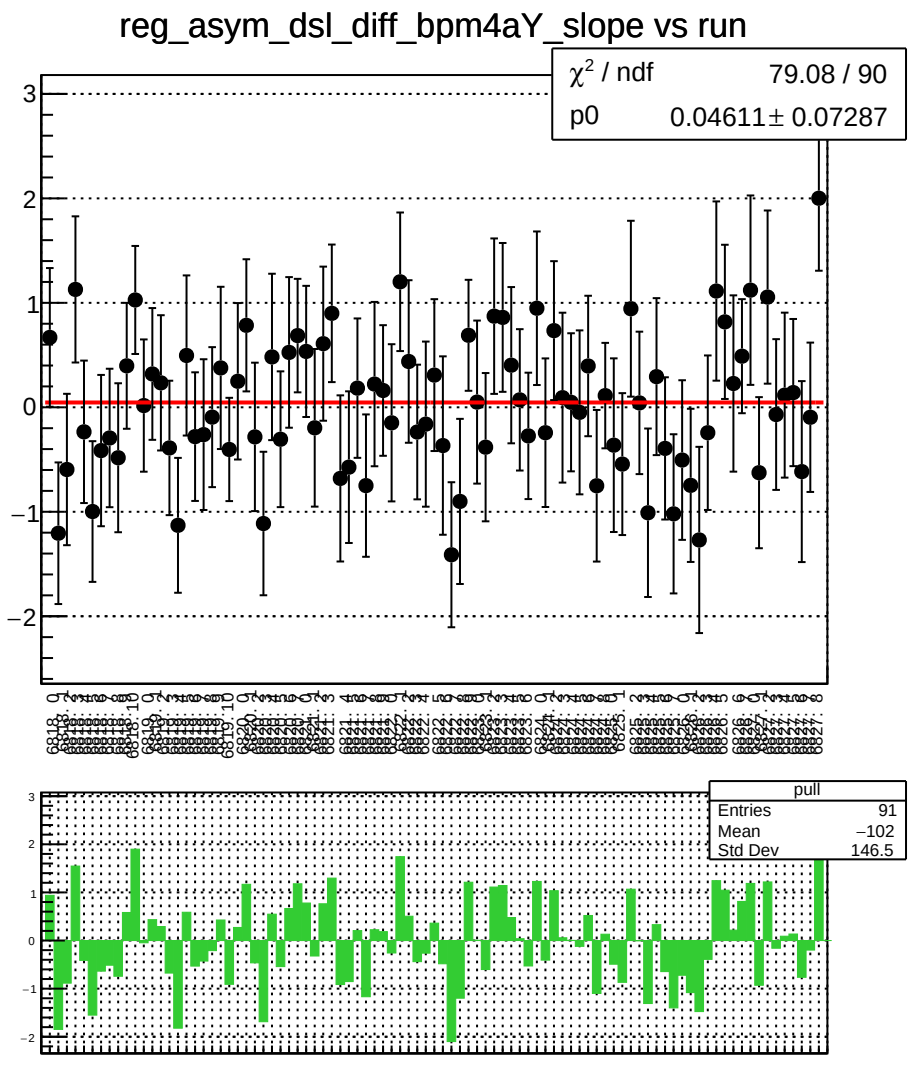

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 48.99 / 90
p0 2.047 ± 1.36
pull
Entries 91
Mean 4111
Std Dev 4059

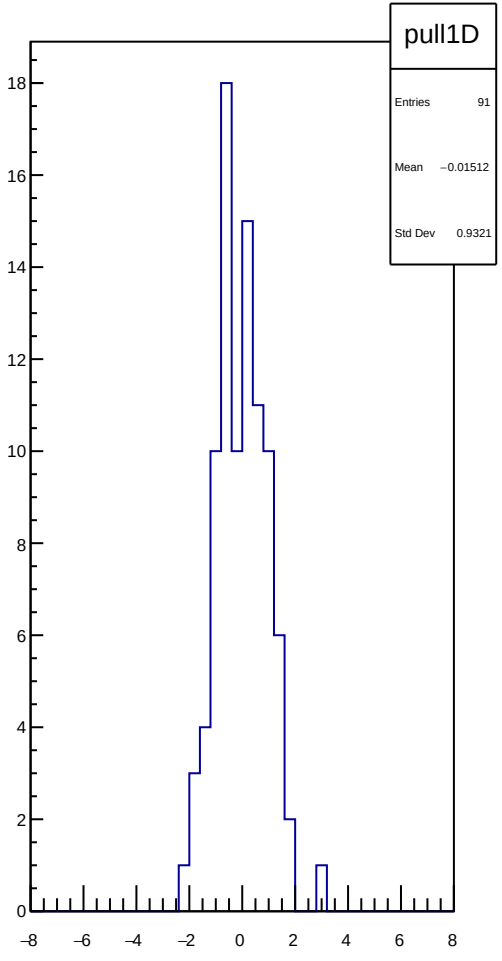

pull1D
Entries 91
Mean −0.00123
Std Dev 0.7337

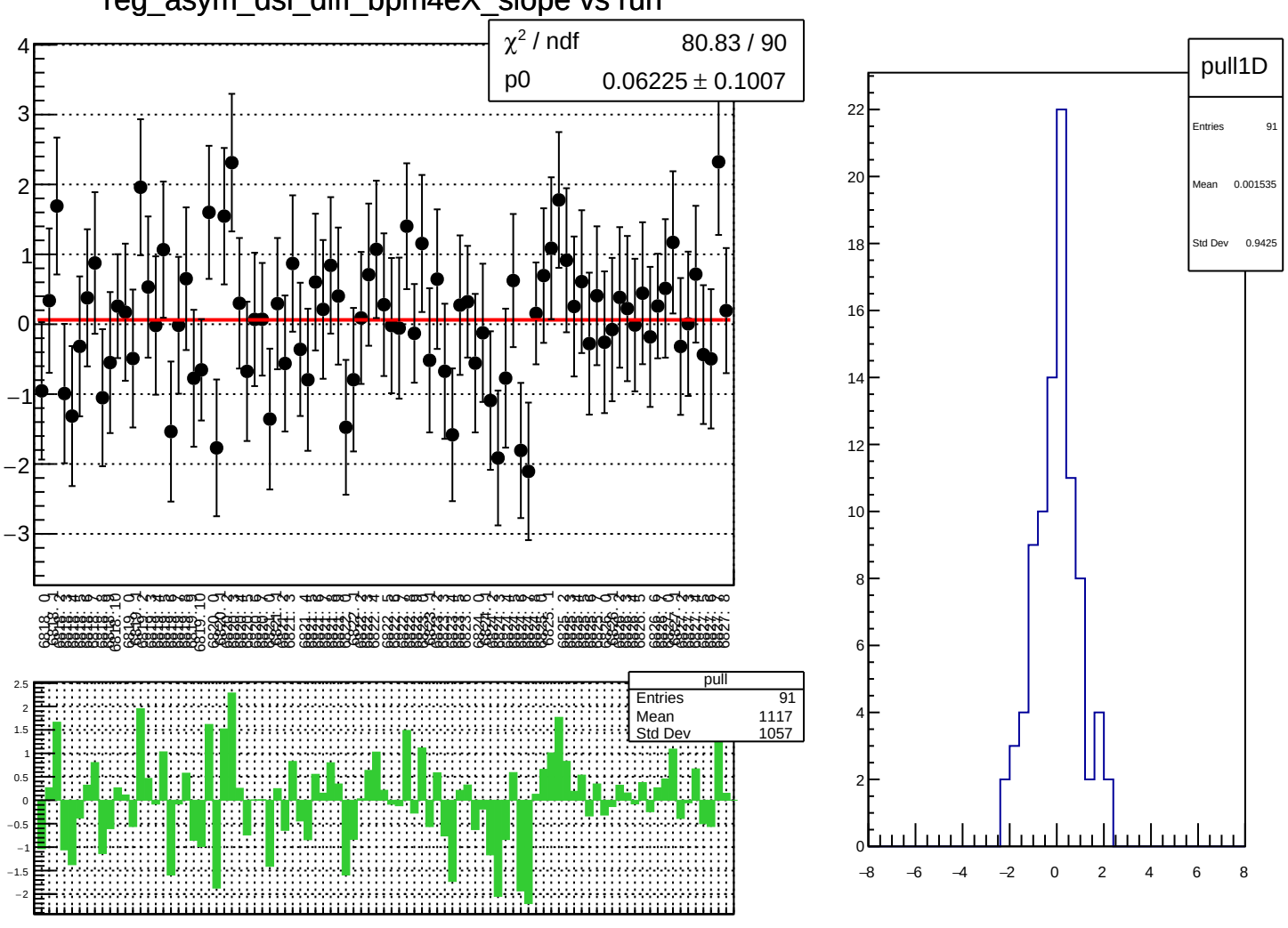

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 54.29 / 90
p0 −37.57 ± 0.06795
−36
−37
−38
−39
−40
pull
Entries 91
Mean −2536
Std Dev 2577
pull1D
Entries 91
Mean 0.001694
Std Dev 0.7724

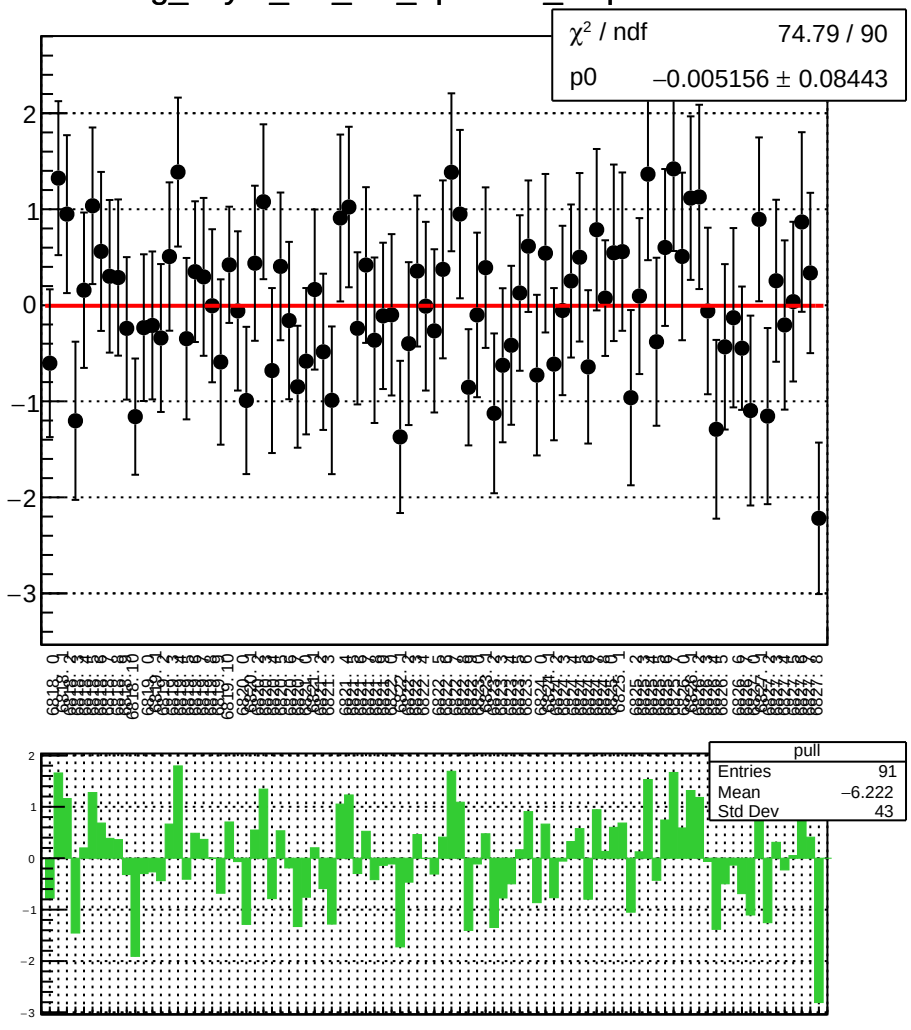

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 84.95 / 90
p0 −0.1004 ± 0.1076
pull
Entries 91
Mean 4322
Std Dev 4268

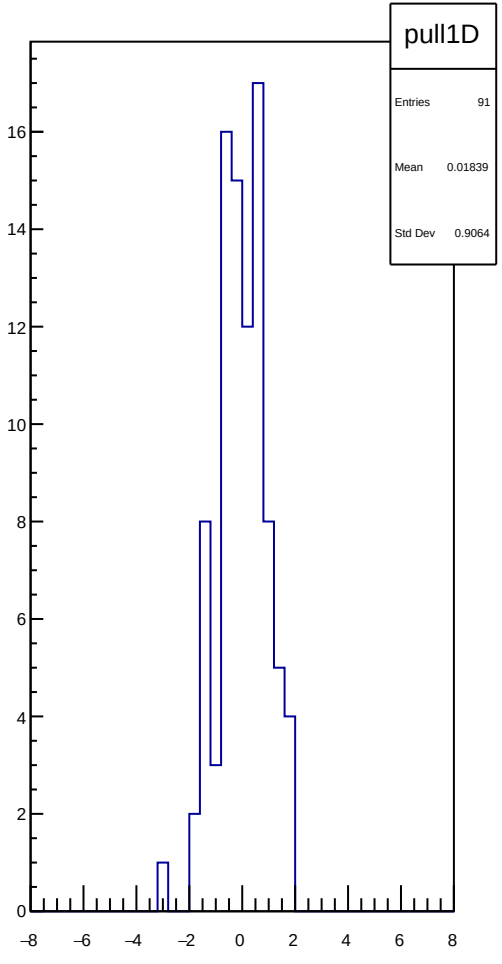

pull1D
Entries 91
Mean −0.0005108
Std Dev 0.9662

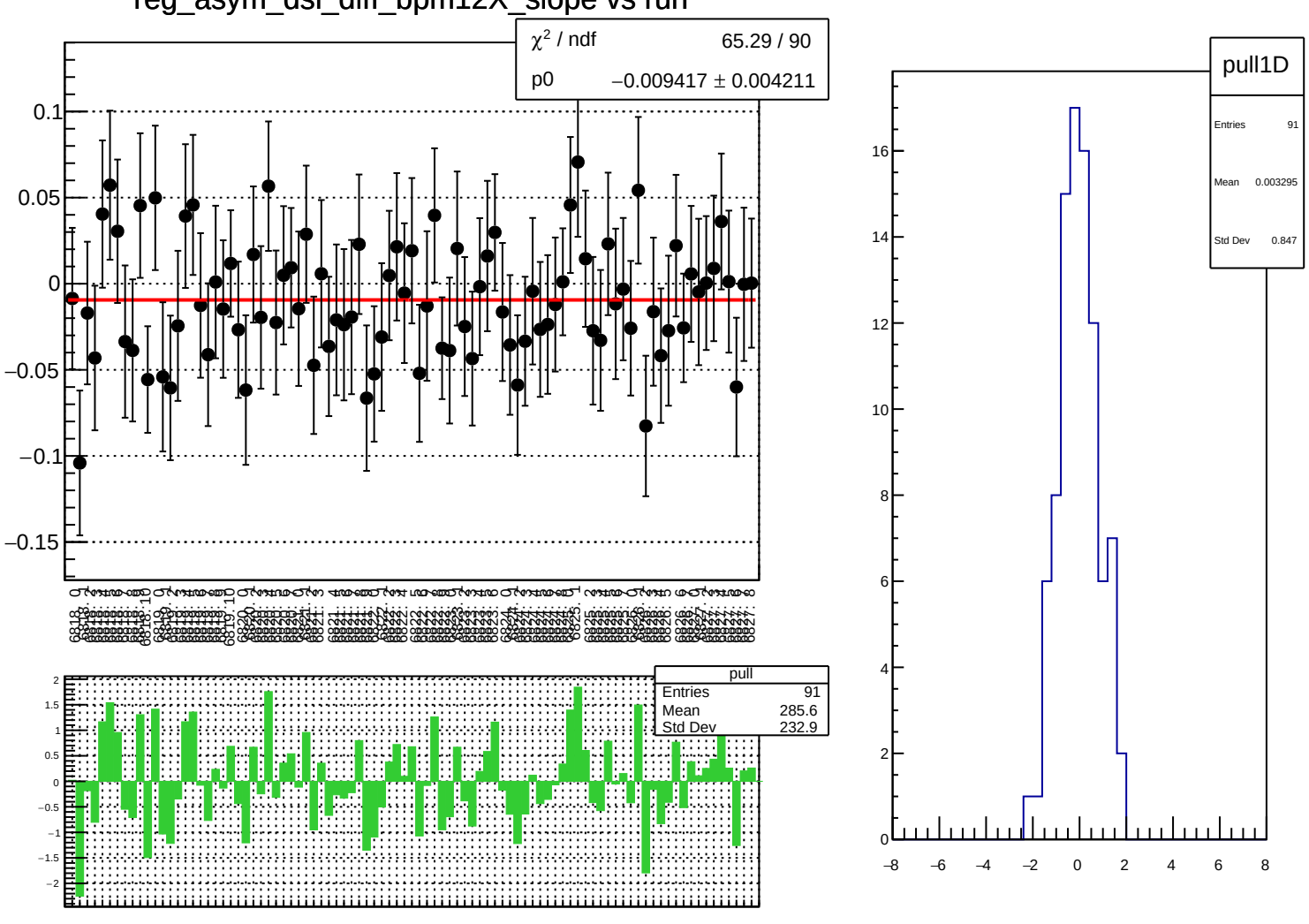

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 79.08 / 90
p0 0.04611 ± 0.07287
pull
Entries 91
Mean −102
Std Dev 146.5

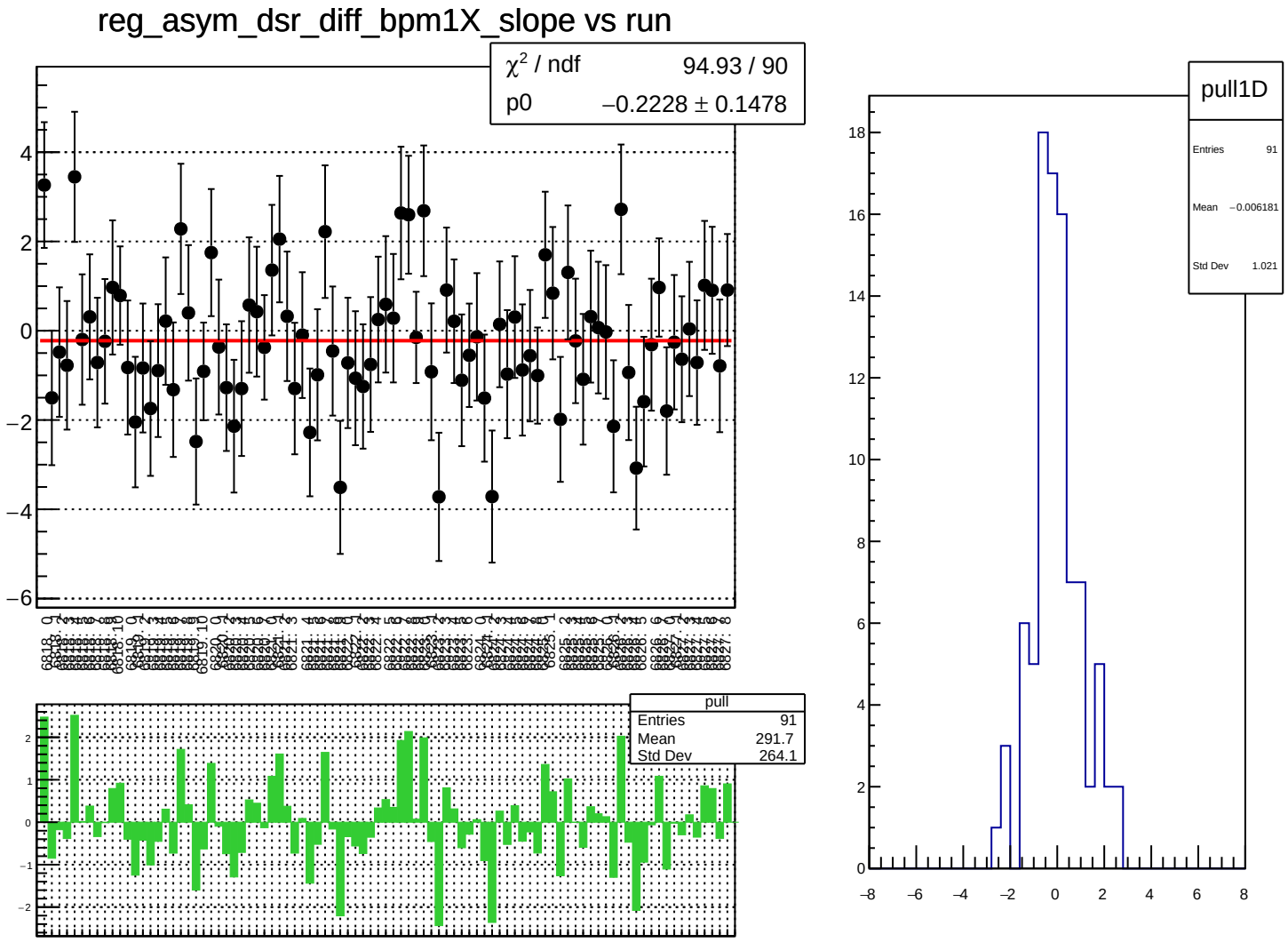

pull1D
Entries 91
Mean −0.01512
Std Dev 0.9321

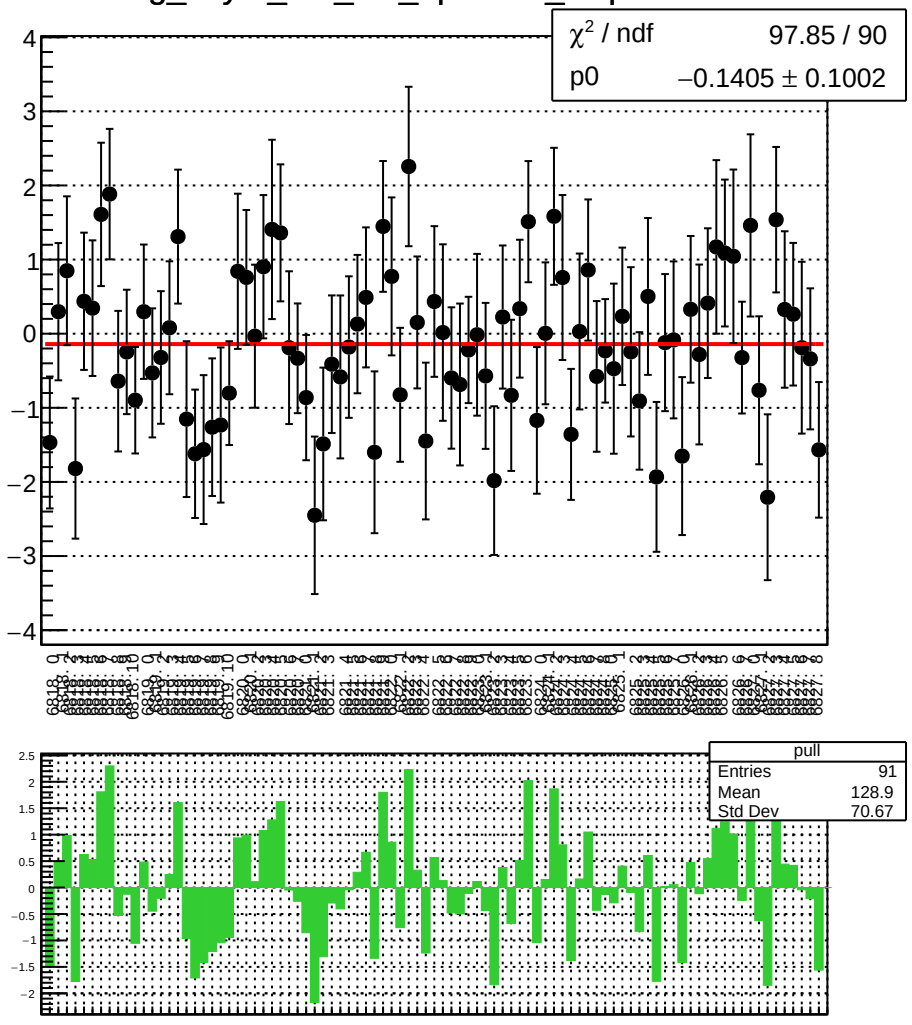

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 80.83 / 90
p0 0.06225 ± 0.1007
pull
Entries 91
Mean 1117
Std Dev 1057
pull1D
Entries 91
Mean 0.001535
Std Dev 0.9425

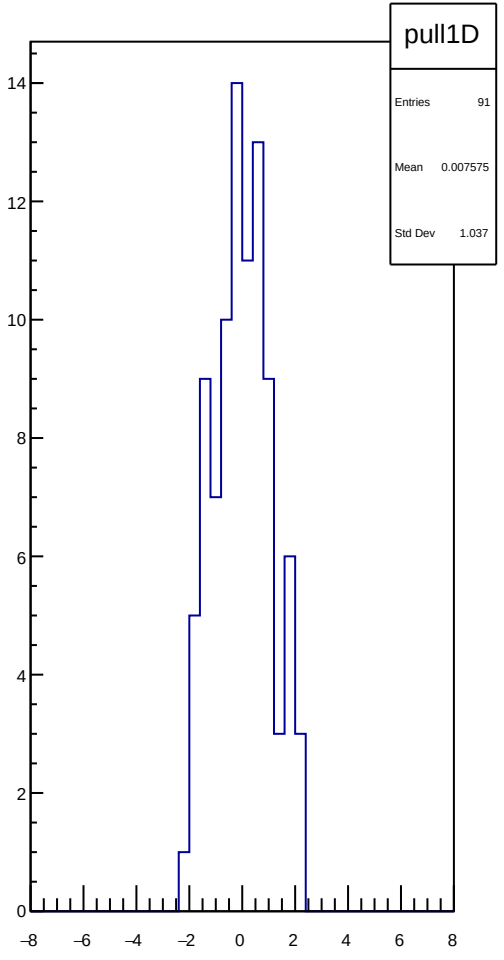

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 74.79 / 90
p0 −0.005156 ± 0.08443
pull
Entries 91
Mean −6.222
Std Dev 43

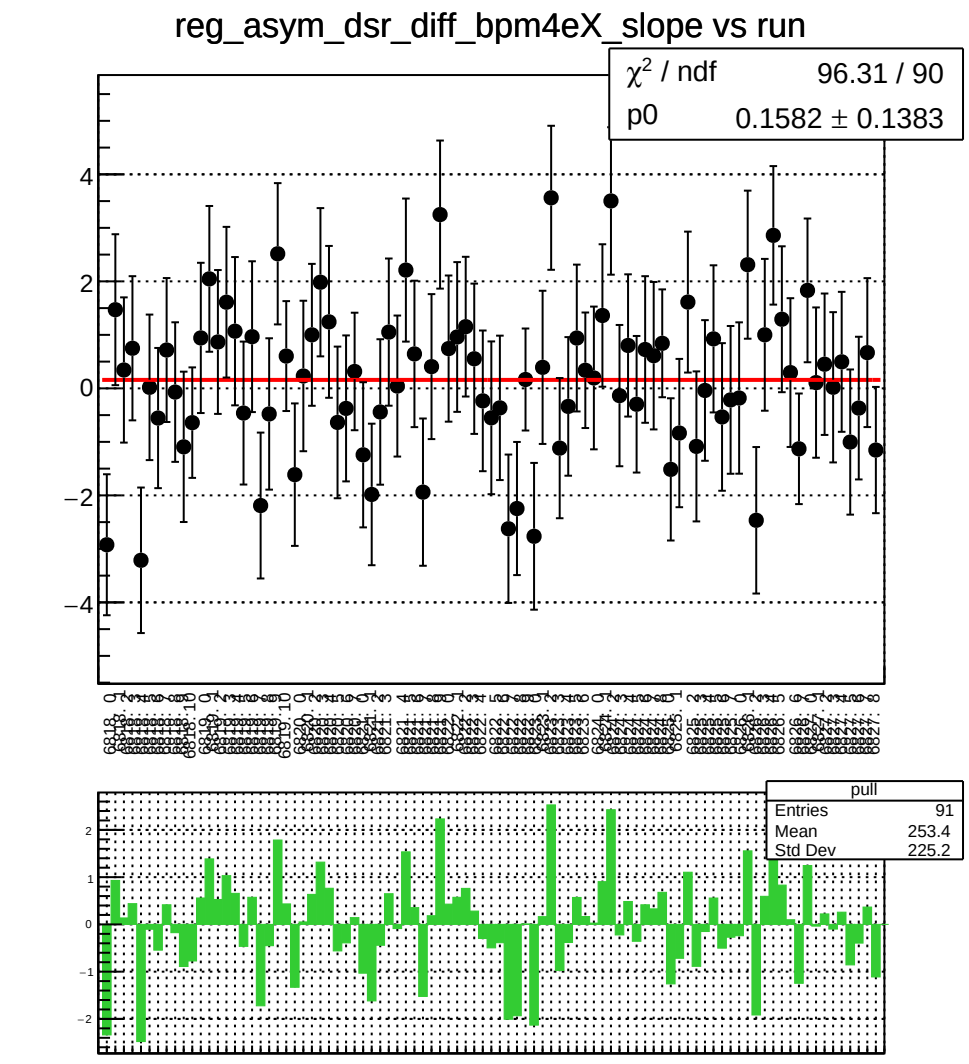

pull1D
Entries 91
Mean 0.01839
Std Dev 0.9064

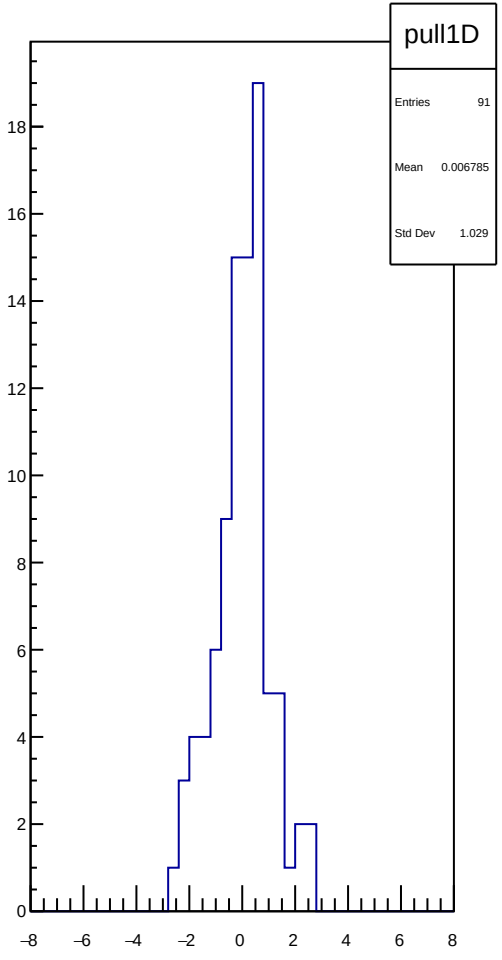

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 65.29 / 90
p0 −0.009417 ± 0.004211
pull
Entries 91
Mean 285.6
Std Dev 232.9
pull1D
Entries 91
Mean 0.003295
Std Dev 0.847

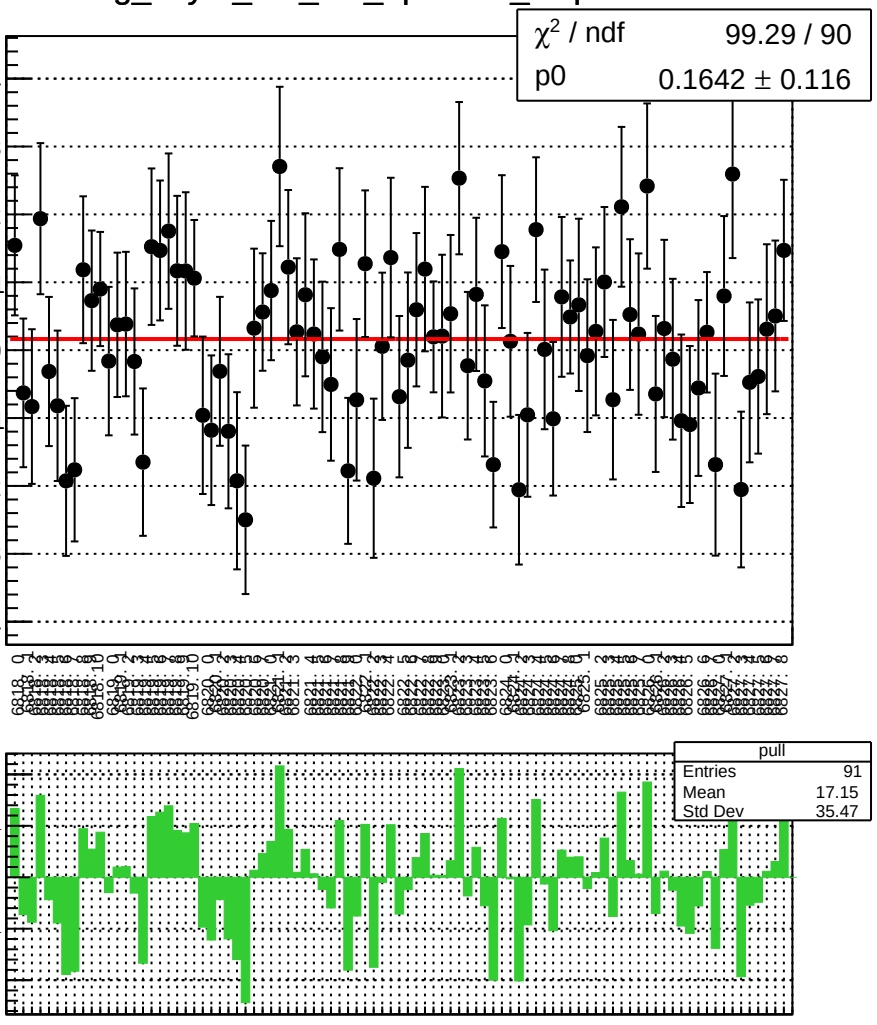

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 94.93 / 90
p0 −0.2228 ± 0.1478
pull
Entries 91
Mean 291.7
Std Dev 264.1
pull1D
Entries 91
Mean −0.006181
Std Dev 1.021

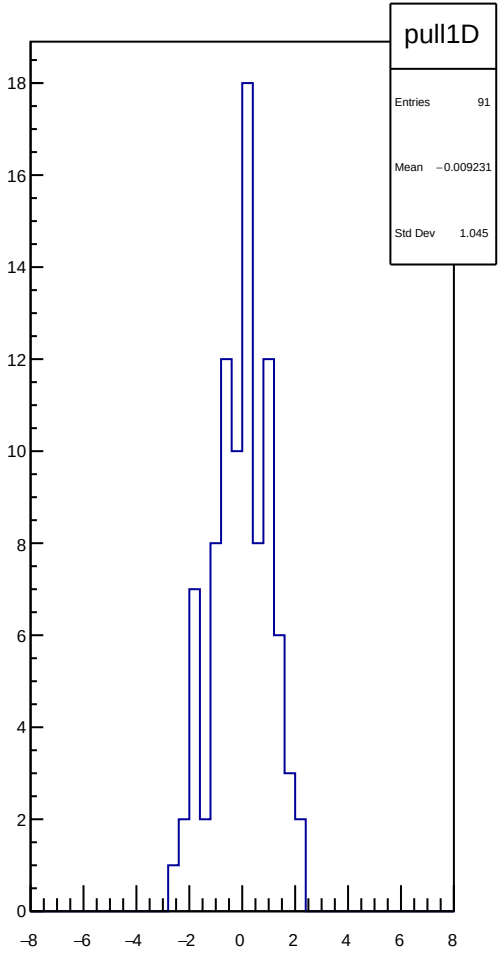

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 97.85 / 90
p0 −0.1405 ± 0.1002
pull
Entries 91
Mean 128.9
Std Dev 70.67

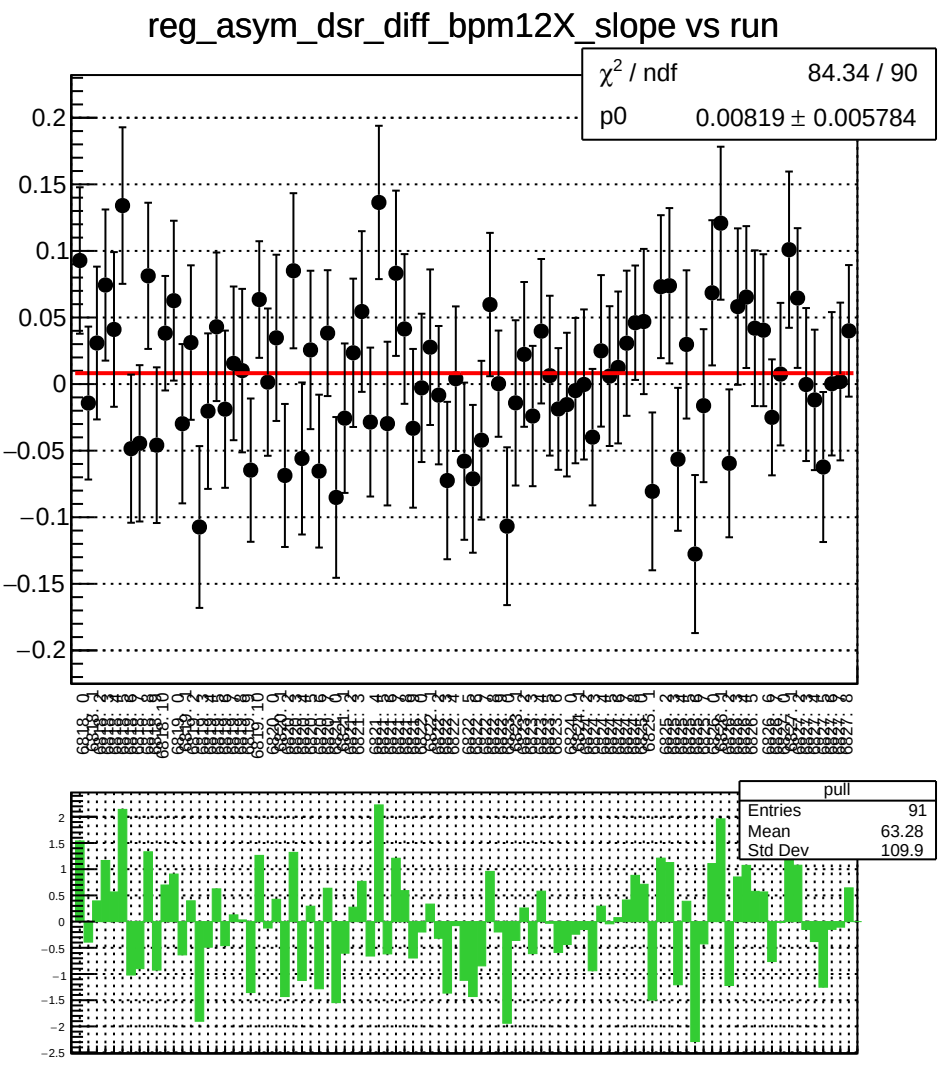

pull1D
Entries 91
Mean 0.007575
Std Dev 1.037

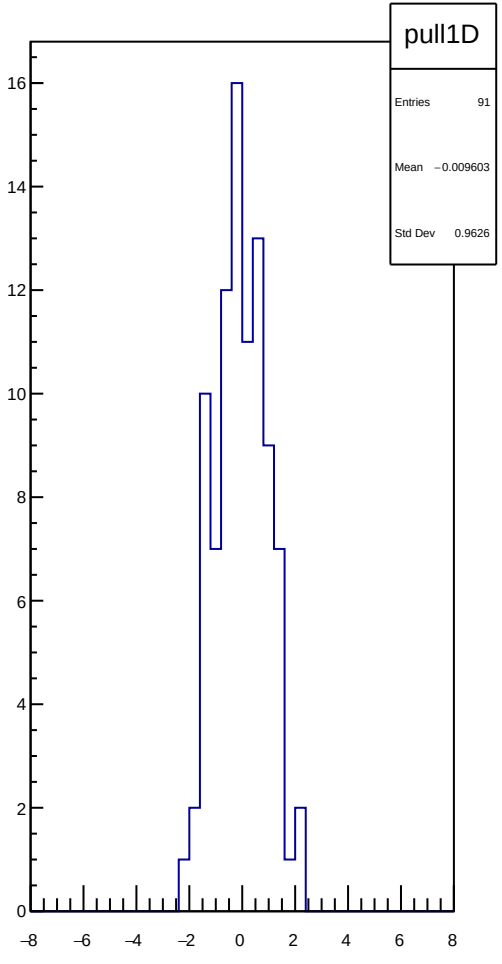

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 96.31 / 90
p0 0.1582 ± 0.1383
pull
Entries 91
Mean 253.4
Std Dev 225.2

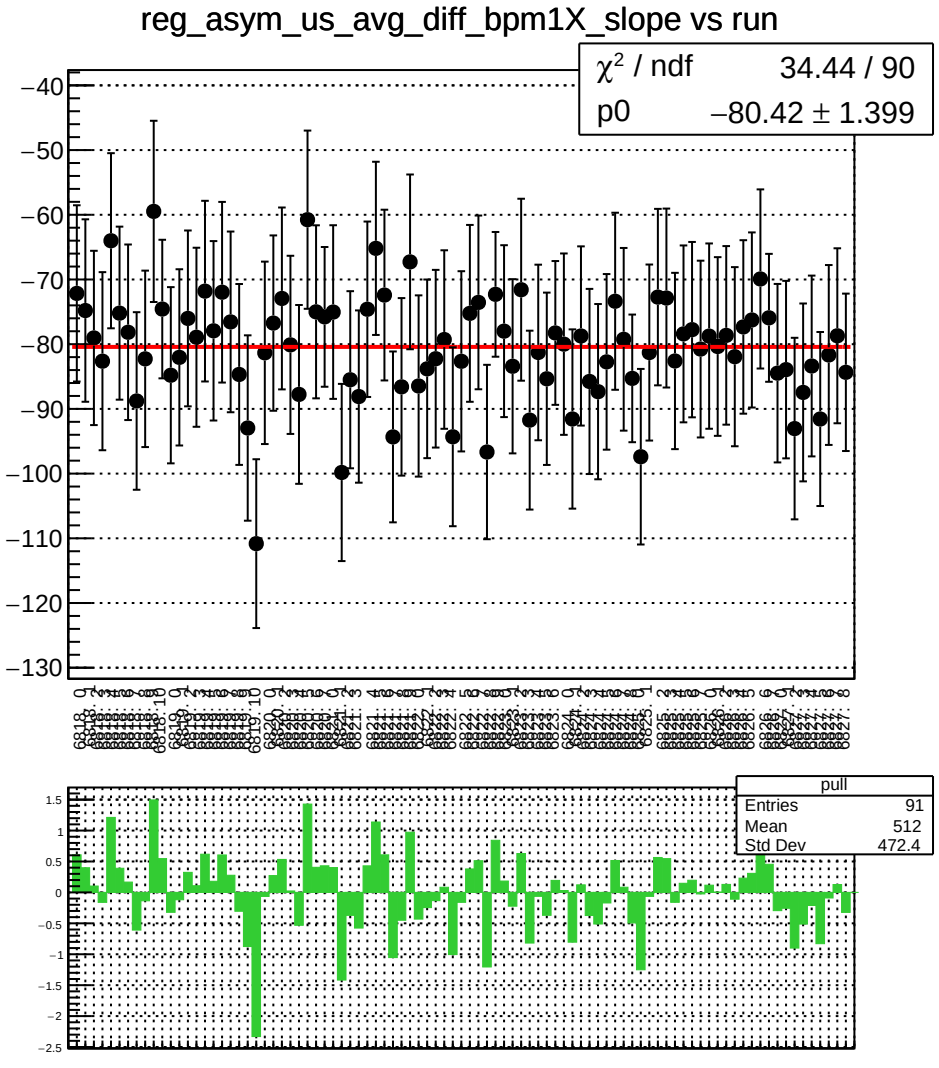

pull1D
Entries 91
Mean 0.006785
Std Dev 1.029

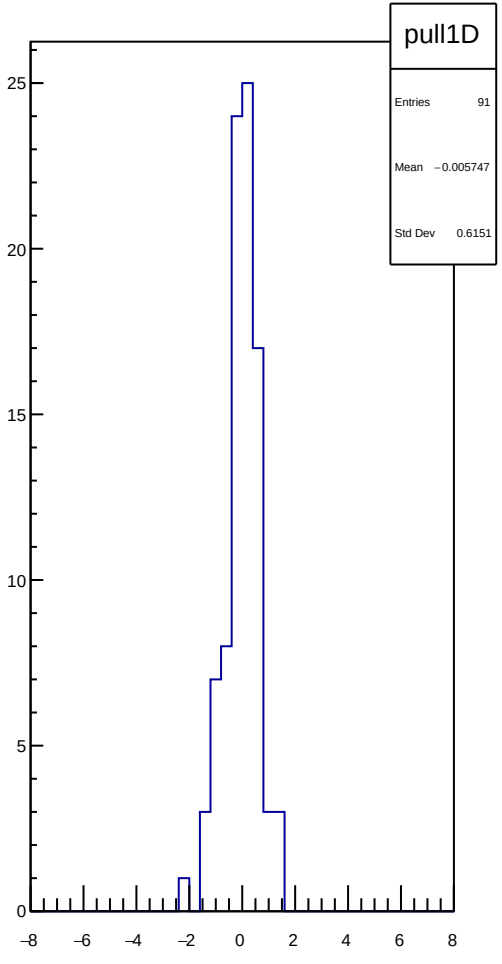

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 99.29 / 90
p0 0.1642 ± 0.116
pull
Entries 91
Mean 17.15
Std Dev 35.47

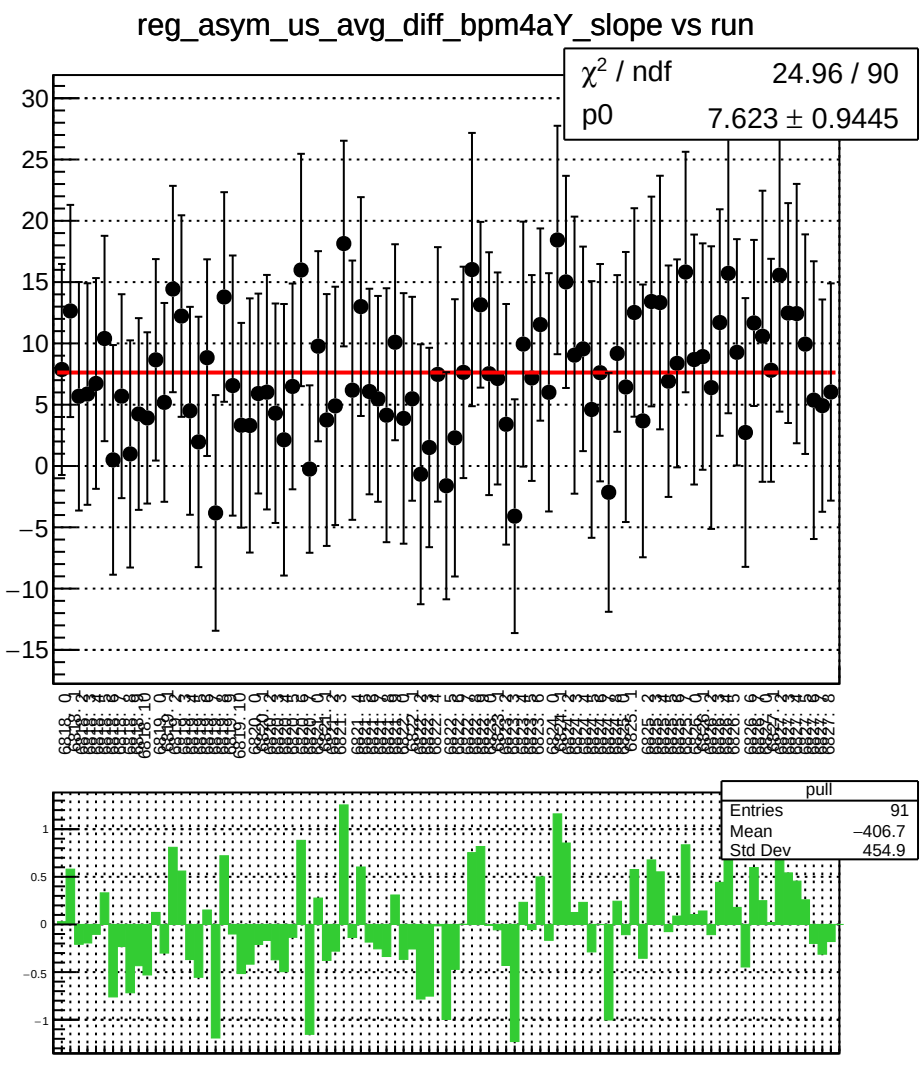

pull1D
Entries 91
Mean −0.009231
Std Dev 1.045

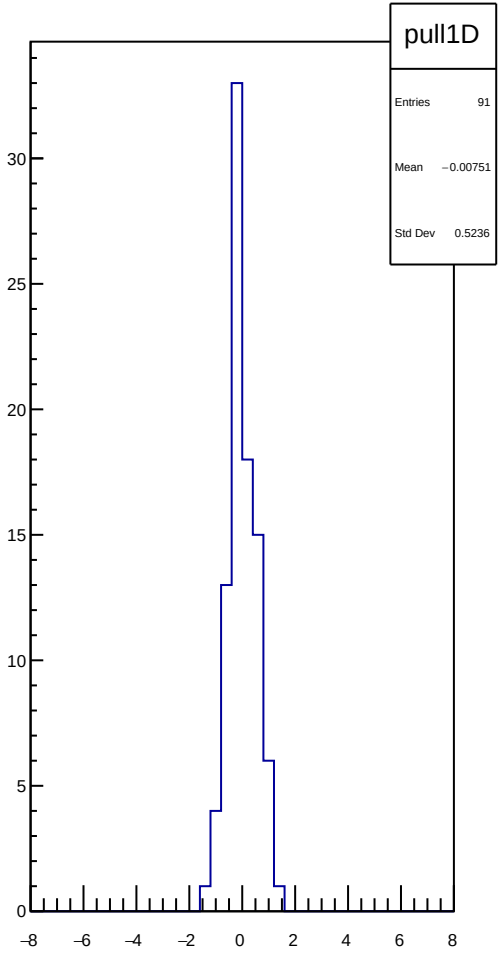

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 84.34 / 90
p0 0.00819 ± 0.005784
pull
Entries 91
Mean 63.28
Std Dev 109.9

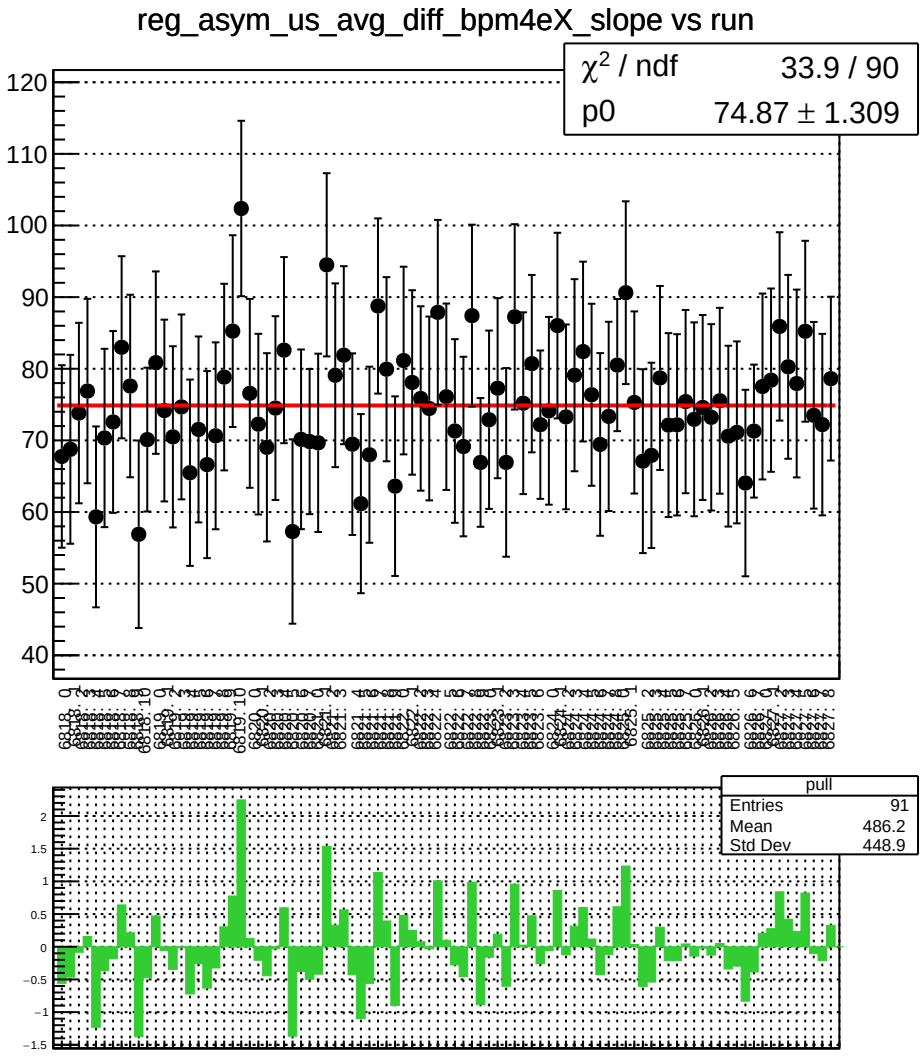

pull1D
Entries 91
Mean −0.009603
Std Dev 0.9626

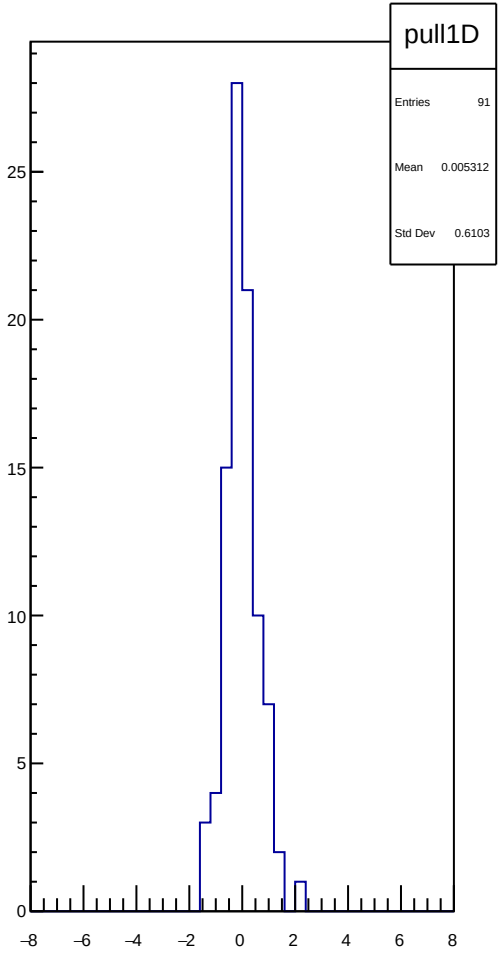

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 34.44 / 90
p0 −80.42 ± 1.399
pull
Entries 91
Mean 512
Std Dev 472.4

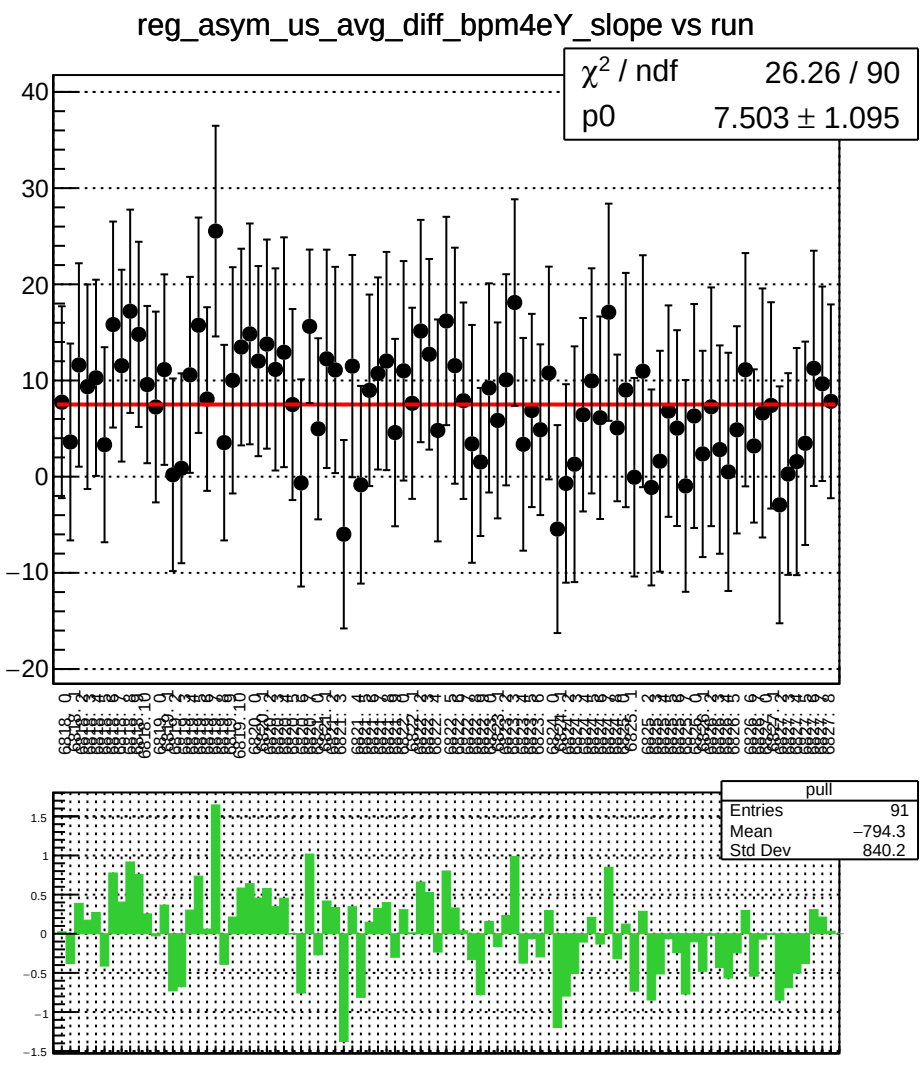

pull1D
Entries 91
Mean −0.005747
Std Dev 0.6151

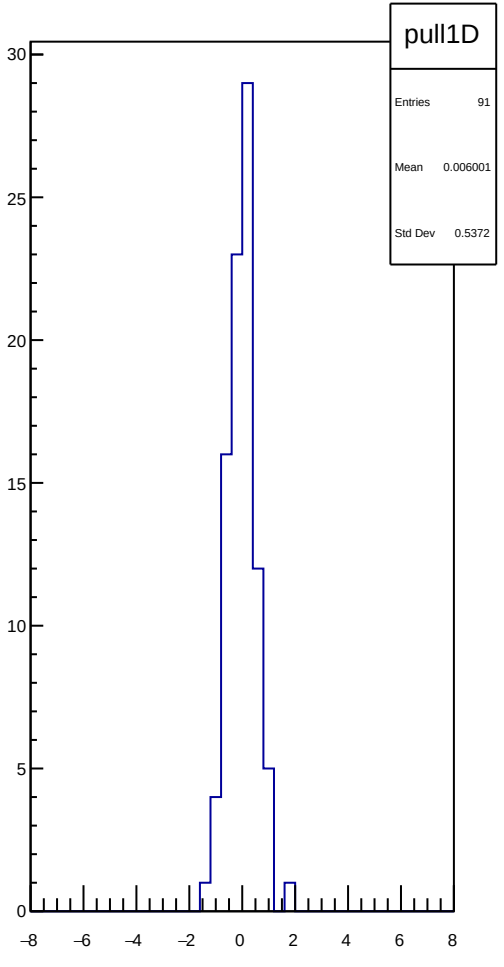

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.96 / 90
p0 7.623 ± 0.9445
pull
Entries 91
Mean −406.7
Std Dev 454.9

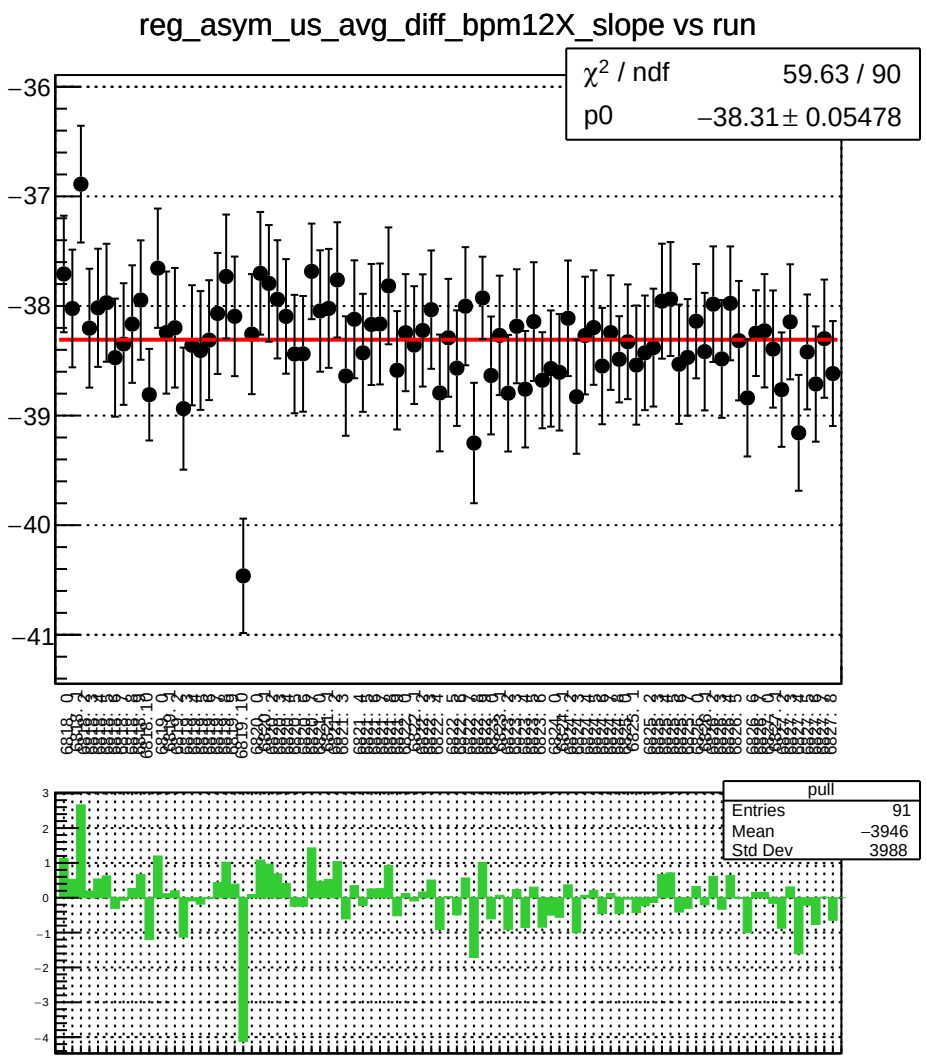

pull1D
Entries 91
Mean −0.00751
Std Dev 0.5236

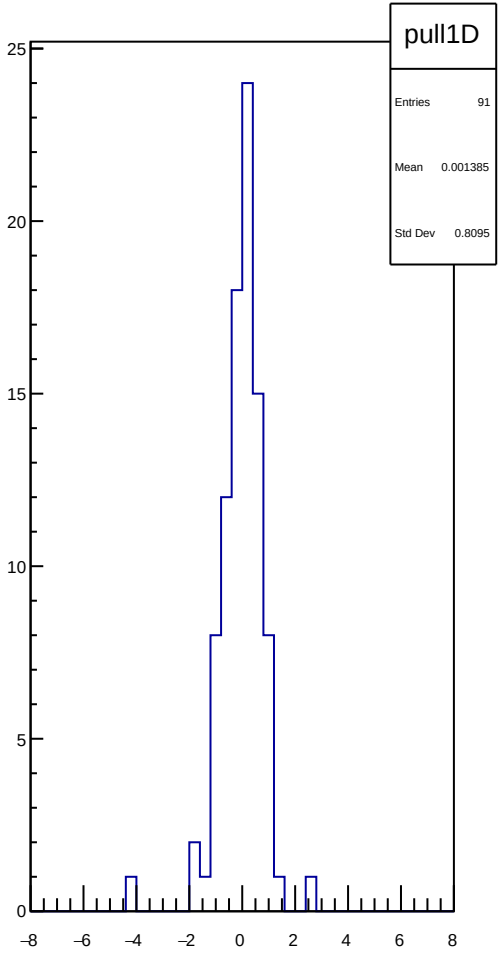

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.9 / 90
p0 74.87 ± 1.309
pull
Entries 91
Mean 486.2
Std Dev 448.9

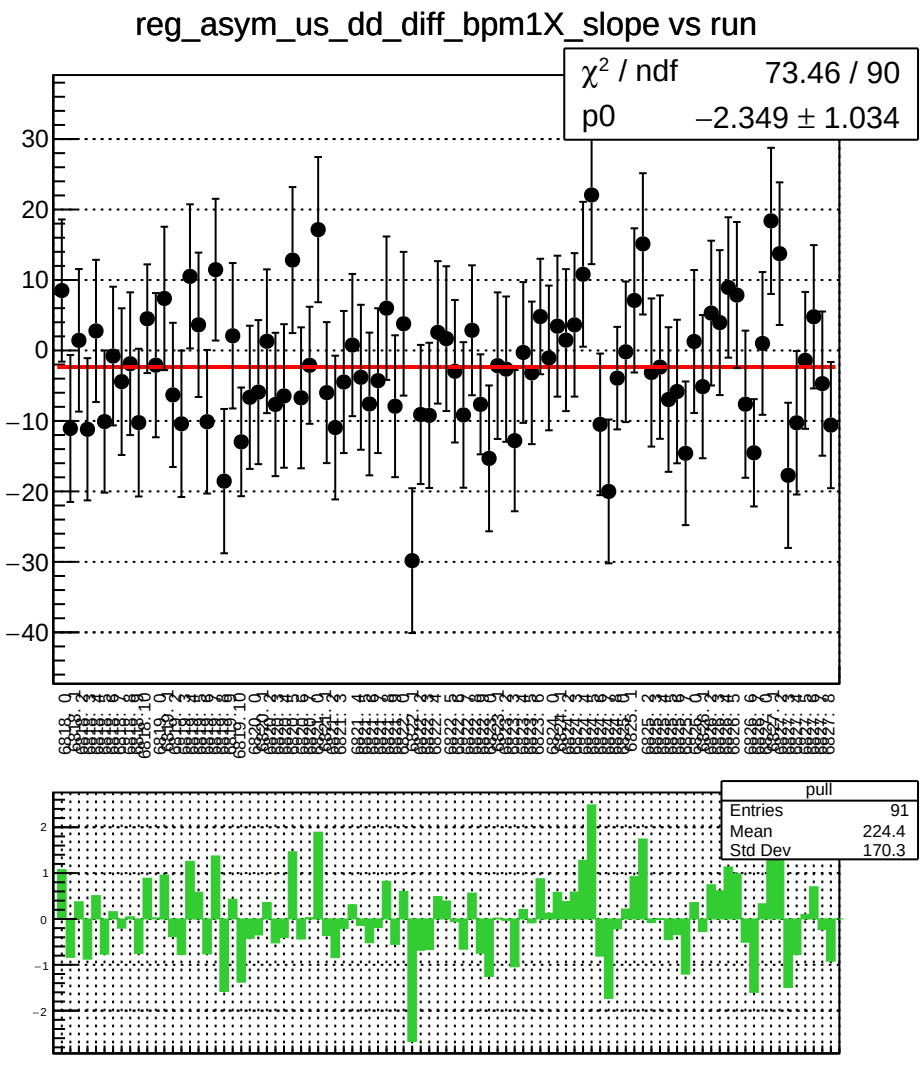

pull1D
Entries 91
Mean 0.005312
Std Dev 0.6103

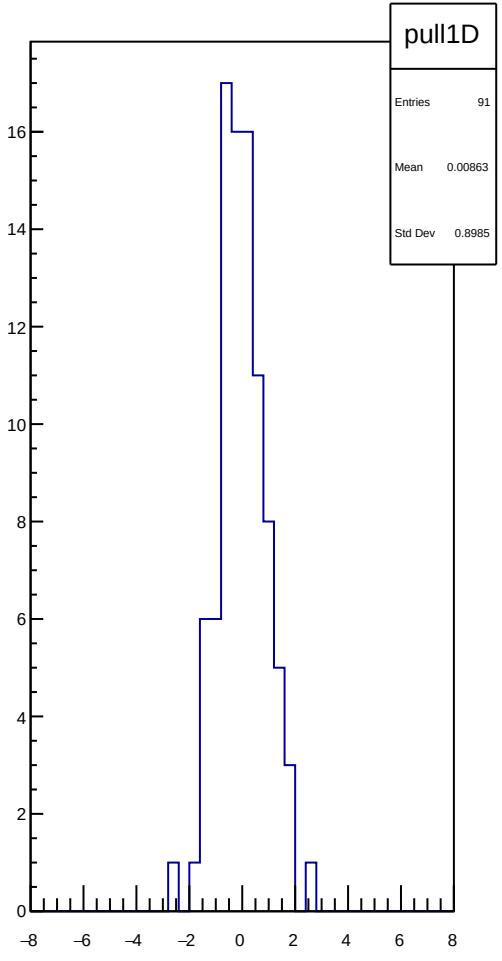

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.26 / 90
p0 7.503 ± 1.095
pull
Entries 91
Mean −794.3
Std Dev 840.2

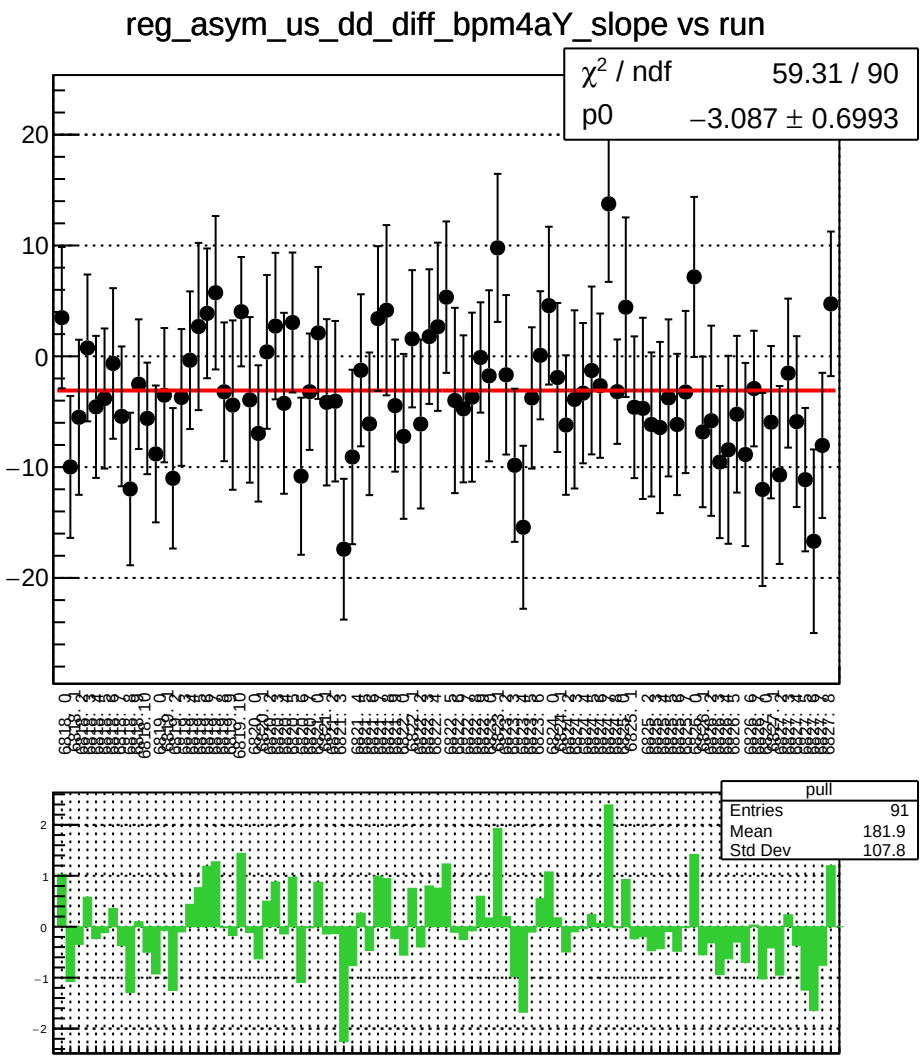

pull1D
Entries 91
Mean 0.006001
Std Dev 0.5372

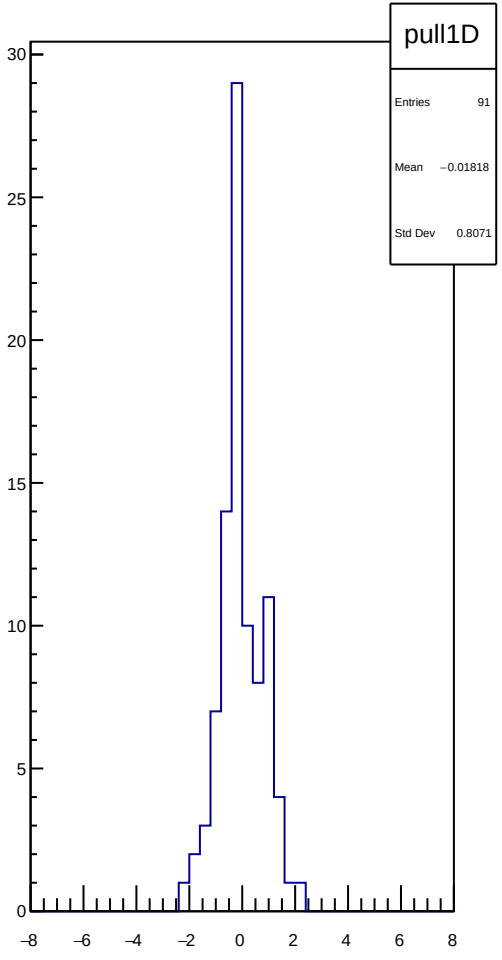

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 59.63 / 90
p0 −38.31 ± 0.05478
pull
Entries 91
Mean −3946
Std Dev 3988

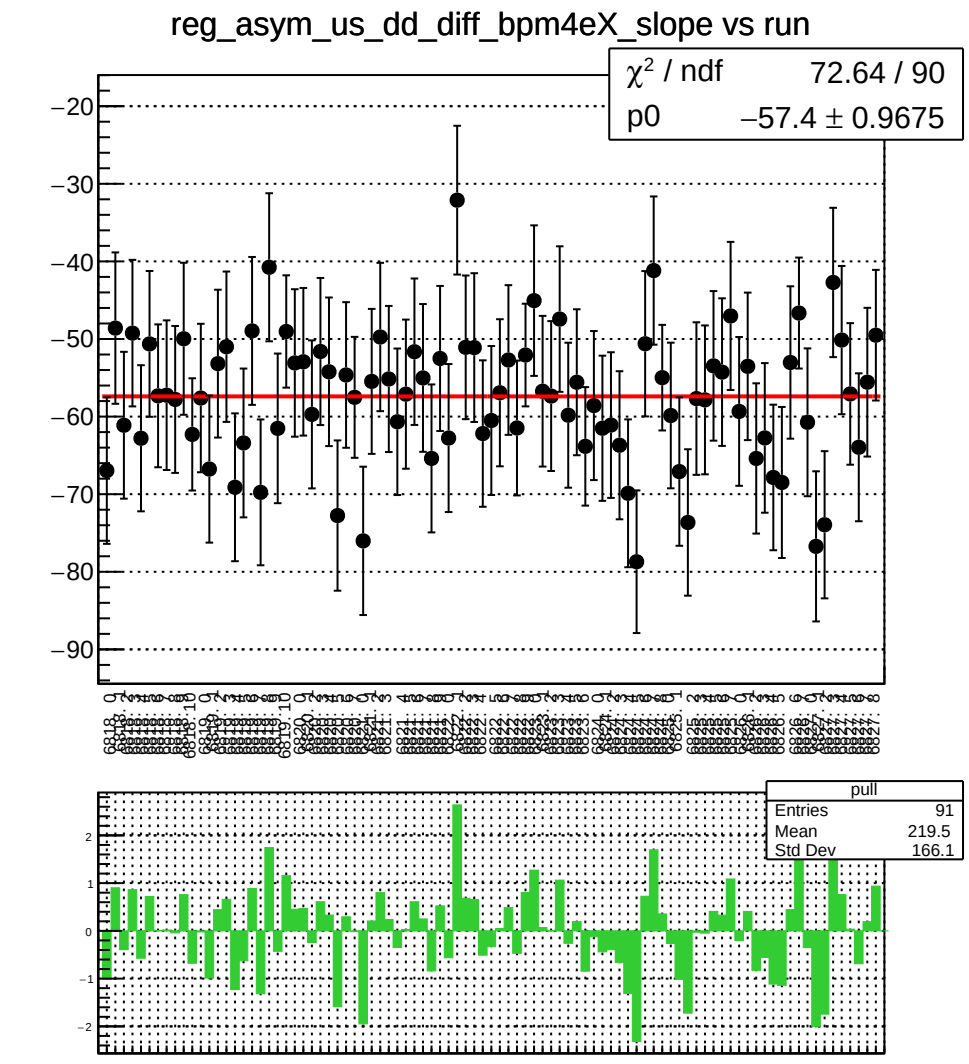

pull1D
Entries 91
Mean 0.001385
Std Dev 0.8095

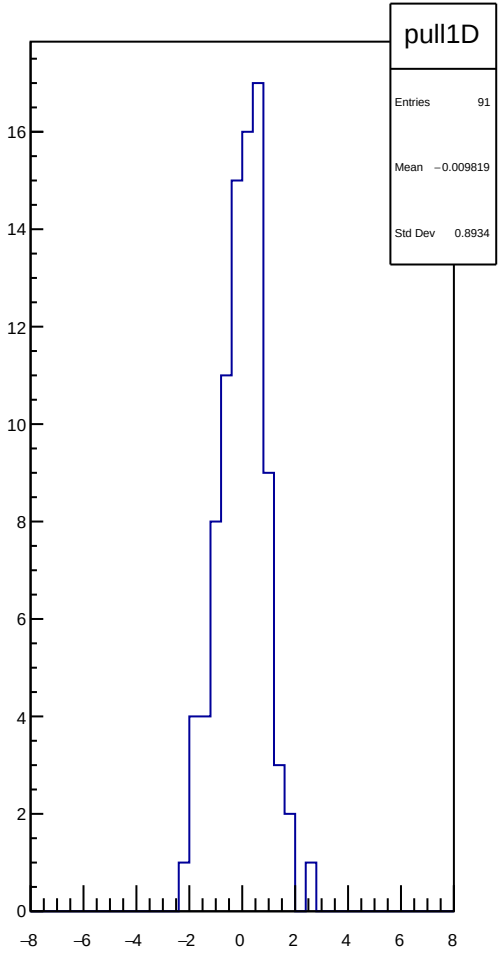

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 73.46 / 90
p0 −2.349 ± 1.034
pull
Entries 91
Mean 224.4
Std Dev 170.3

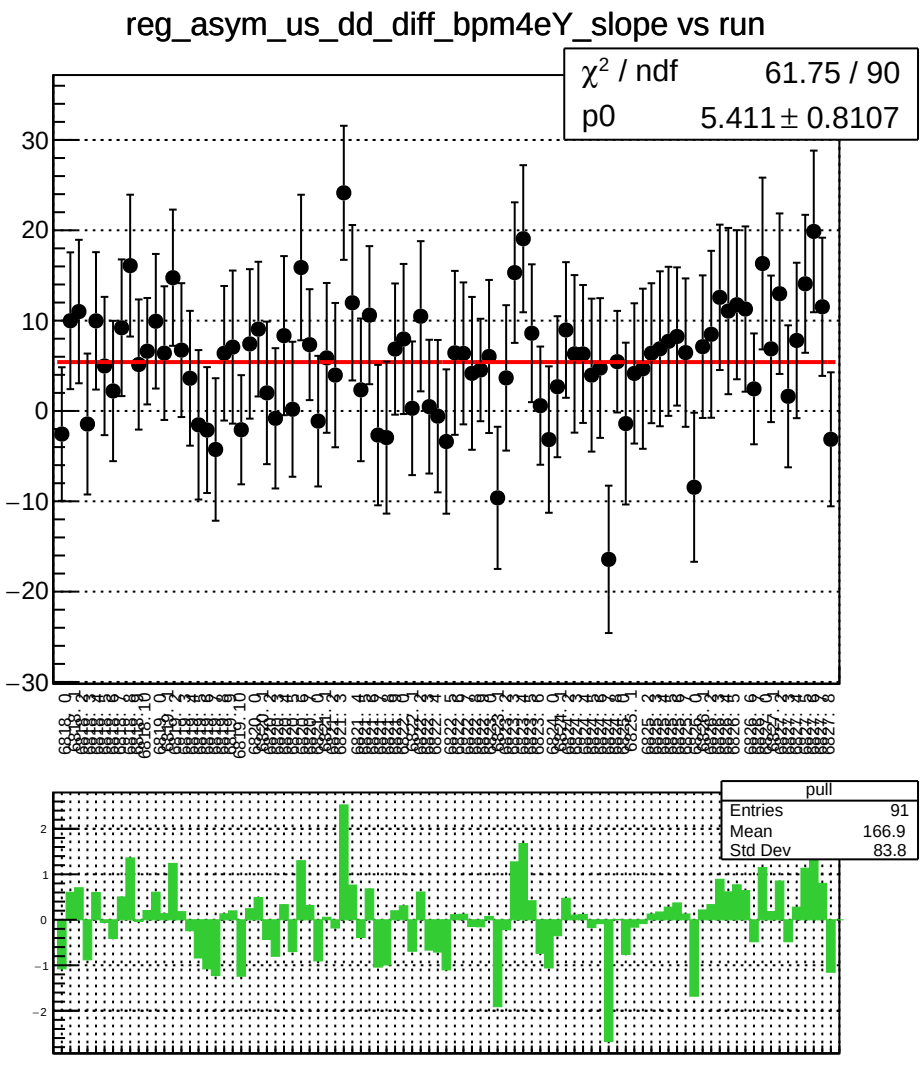

pull1D
Entries 91
Mean 0.00863
Std Dev 0.8985

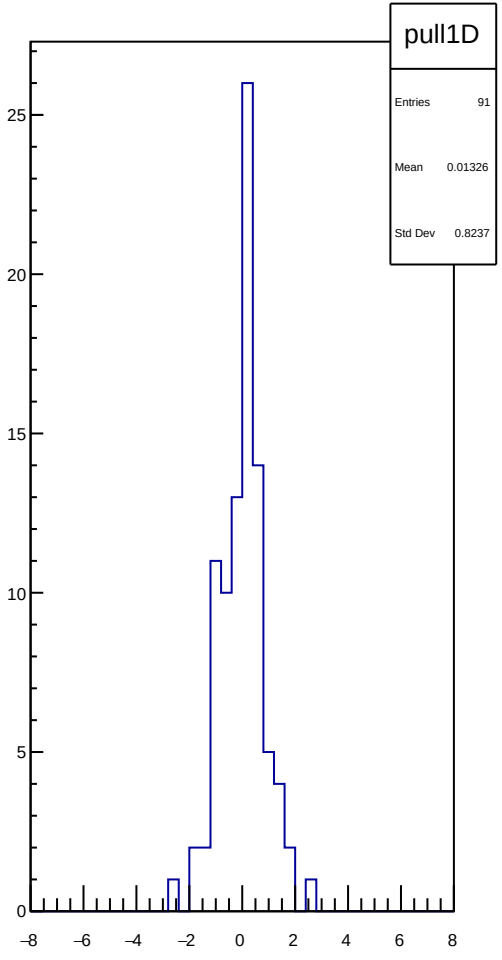

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.31 / 90
p0 −3.087 ± 0.6993
pull
Entries 91
Mean 181.9
Std Dev 107.8

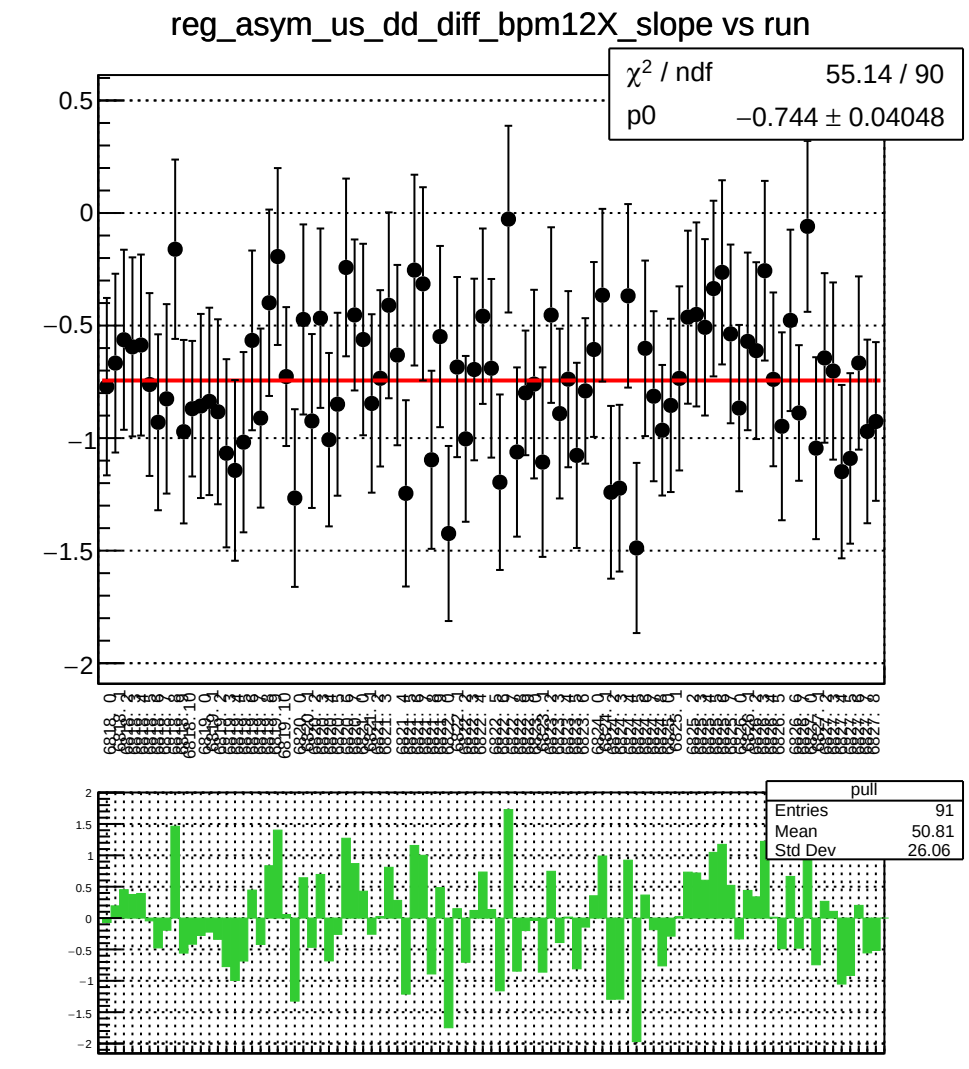

pull1D
Entries 91
Mean −0.01818
Std Dev 0.8071

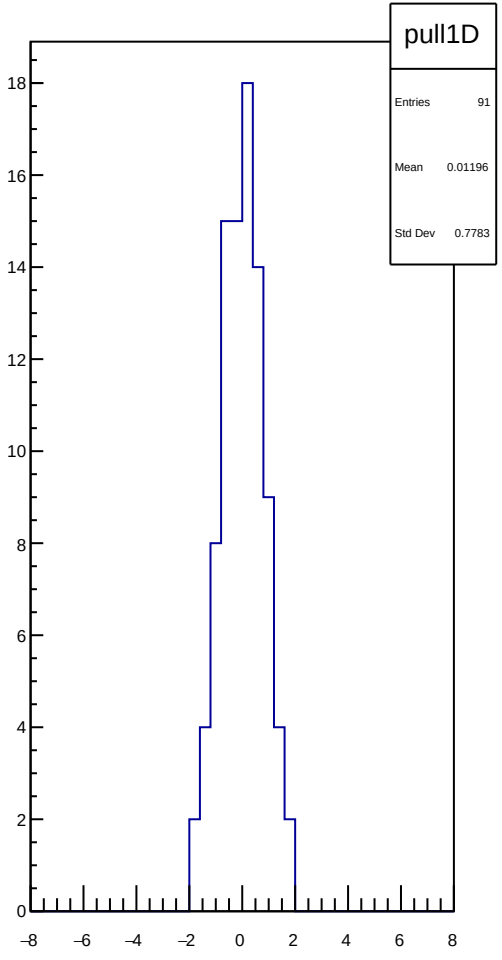

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.64 / 90
p0 −57.4 ± 0.9675
pull
Entries 91
Mean 219.5
Std Dev 166.1

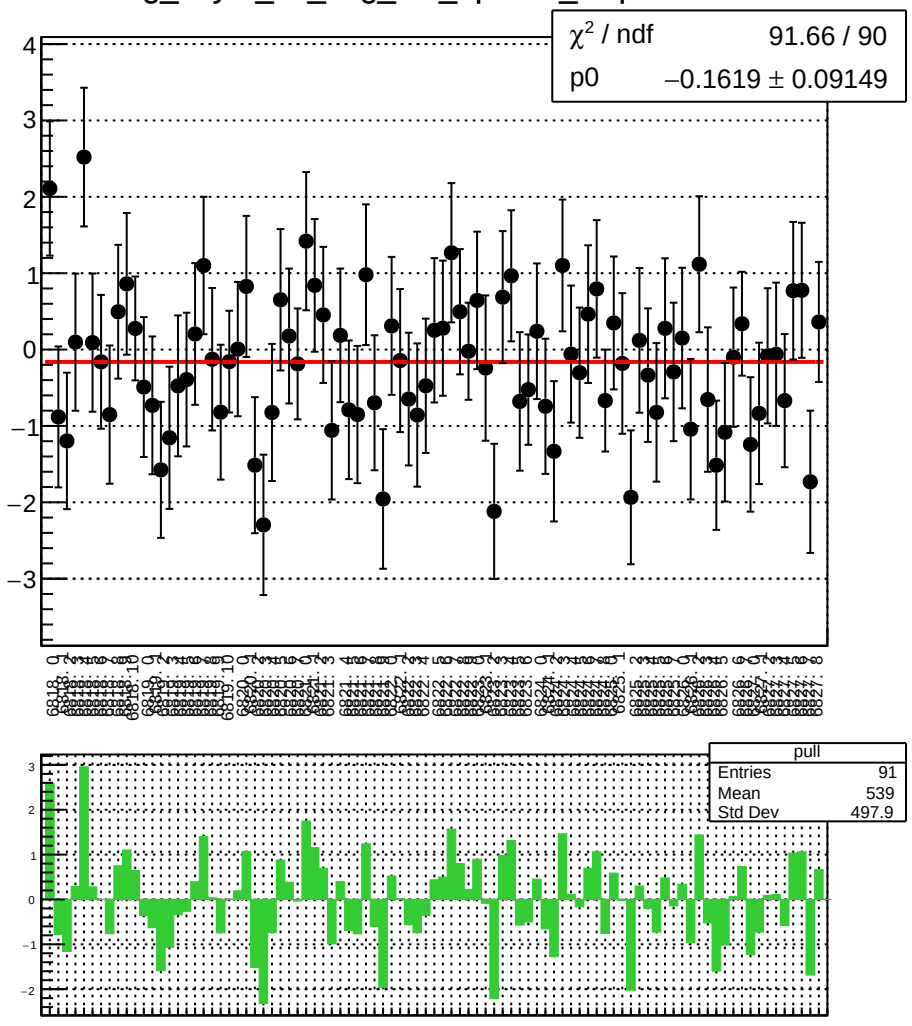

pull1D
Entries 91
Mean −0.009819
Std Dev 0.8934

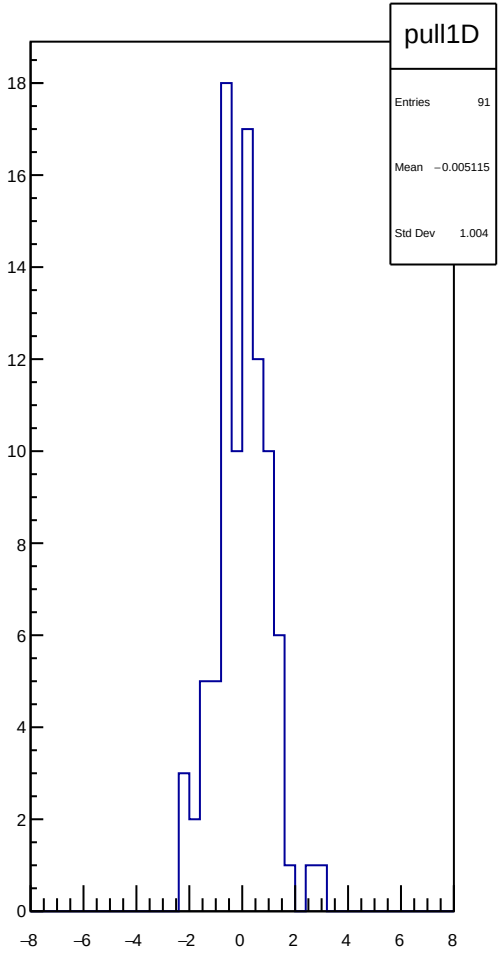

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.75 / 90
p0 5.411 ± 0.8107
pull
Entries 91
Mean 166.9
Std Dev 83.8

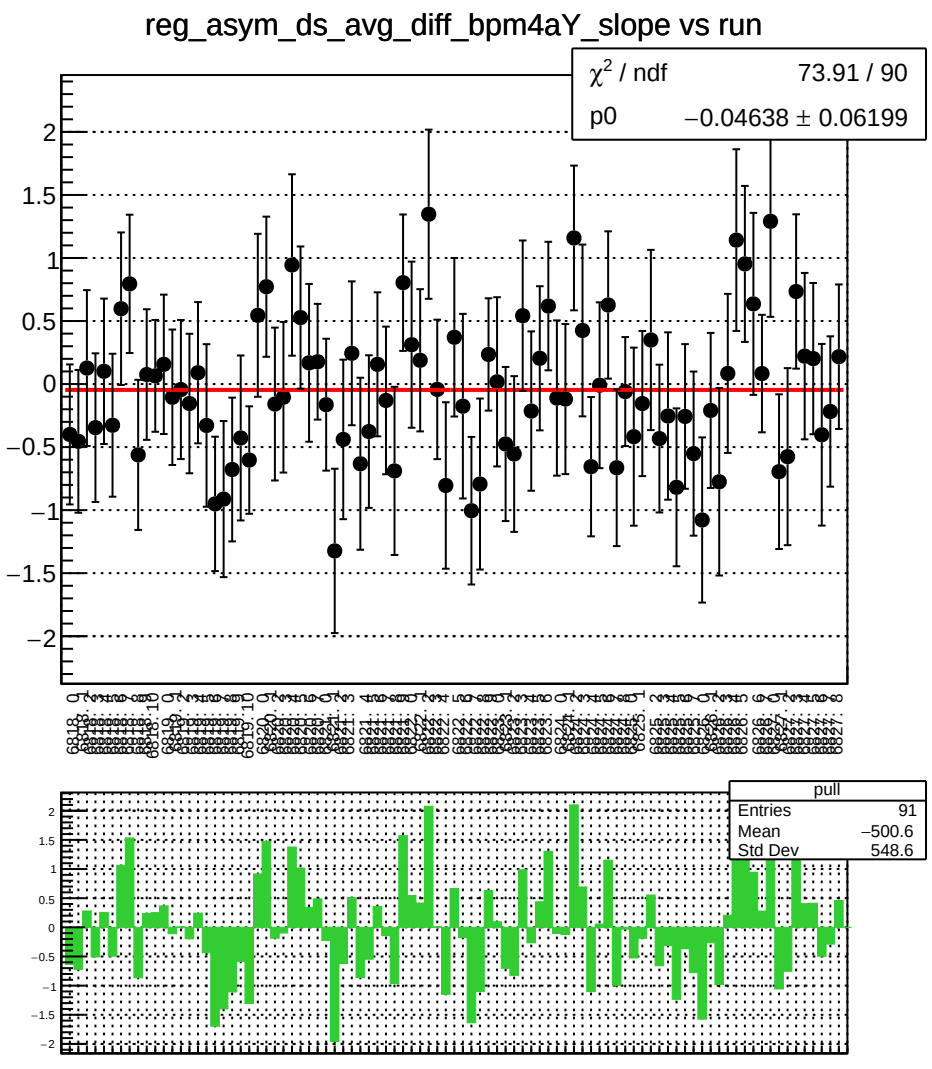

pull1D
Entries 91
Mean 0.01326
Std Dev 0.8237

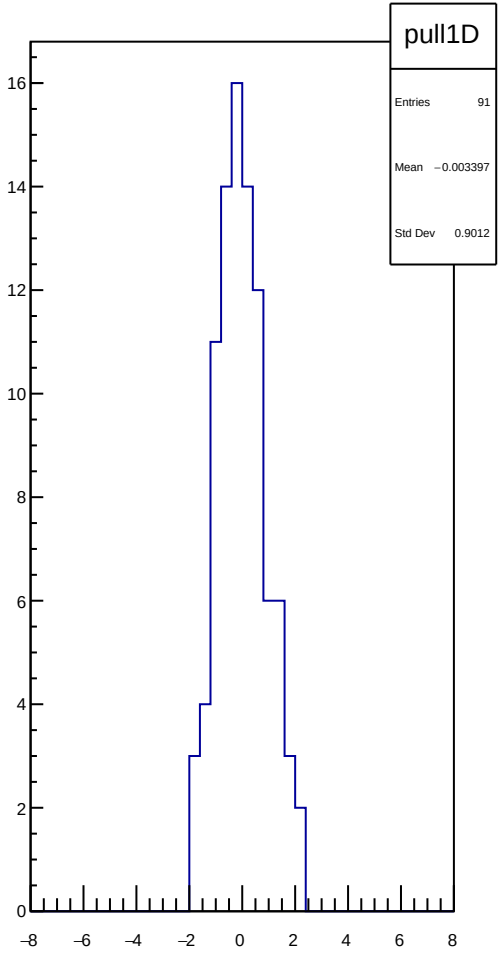

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 55.14 / 90
p0 −0.744 ± 0.04048
pull
Entries 91
Mean 50.81
Std Dev 26.06

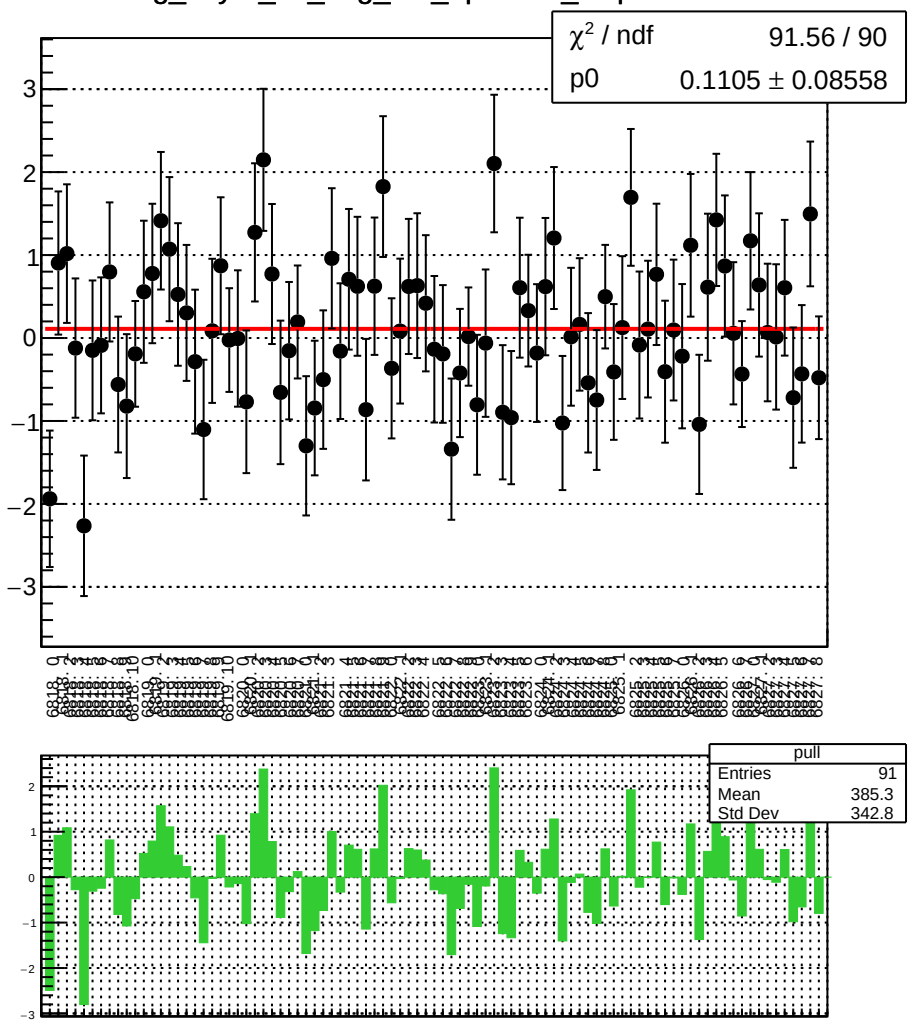

pull1D
Entries 91
Mean 0.01196
Std Dev 0.7783

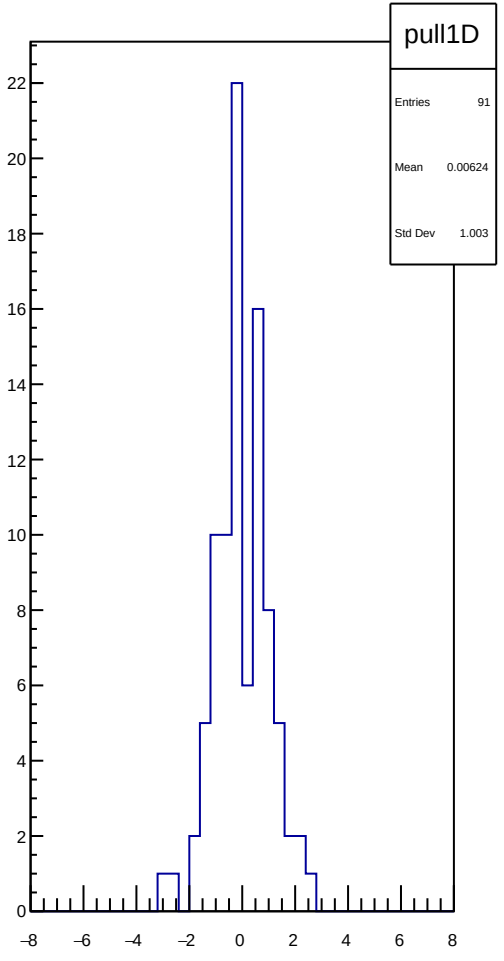

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 91.66 / 90
p0 −0.1619 ± 0.09149
pull
Entries 91
Mean 539
Std Dev 497.9

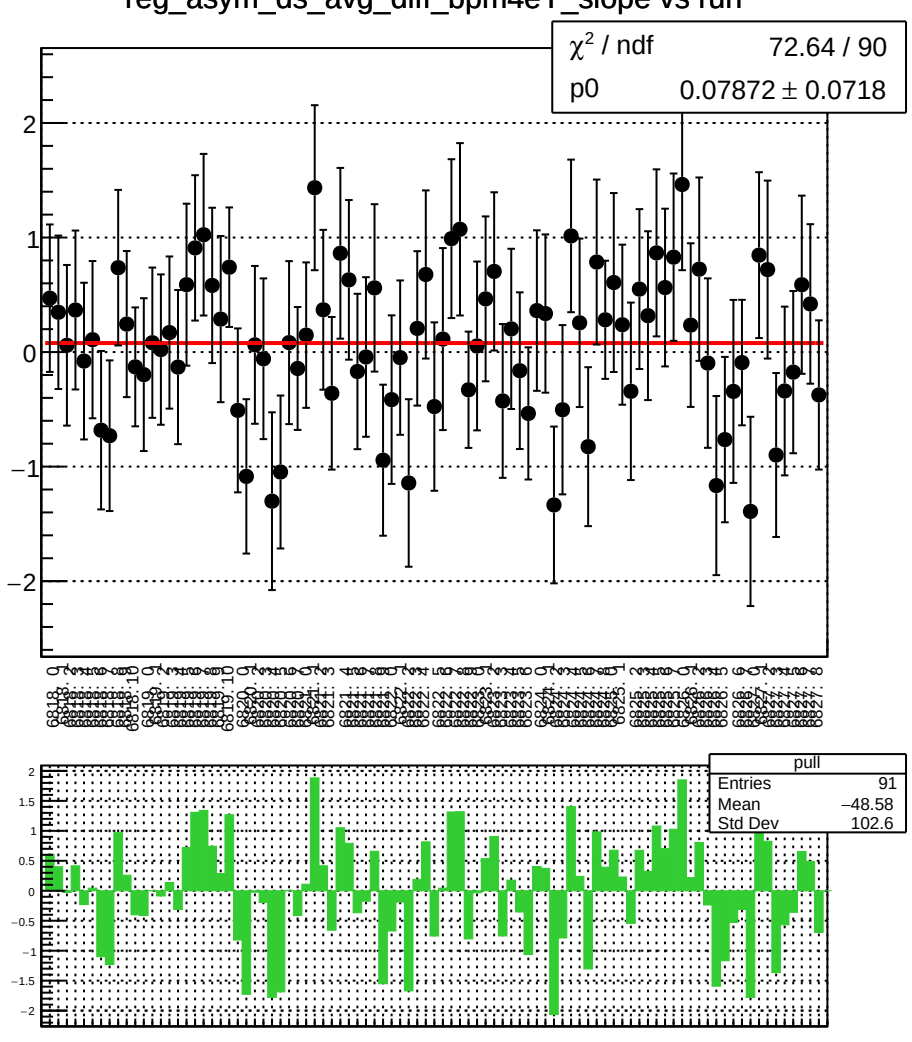

pull1D
Entries 91
Mean −0.005115
Std Dev 1.004

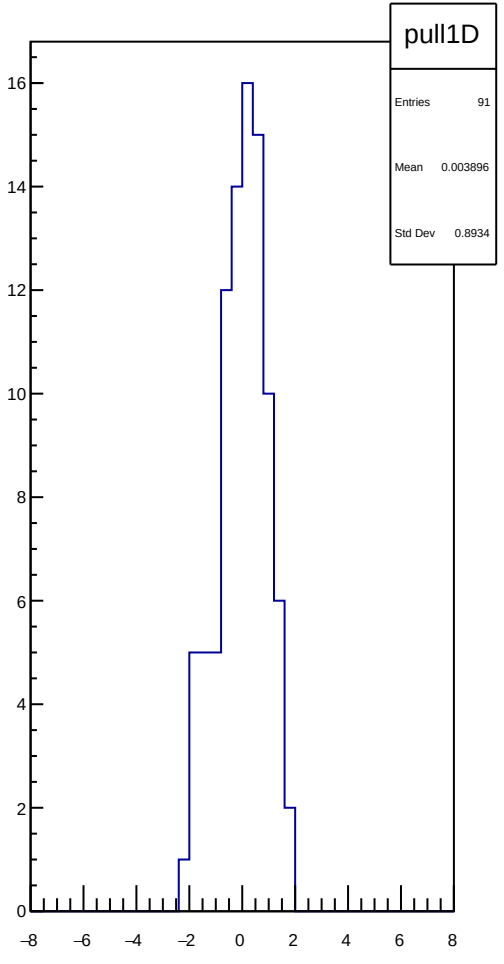

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.91 / 90
p0 −0.04638 ± 0.06199
pull
Entries 91
Mean −500.6
Std Dev 548.6

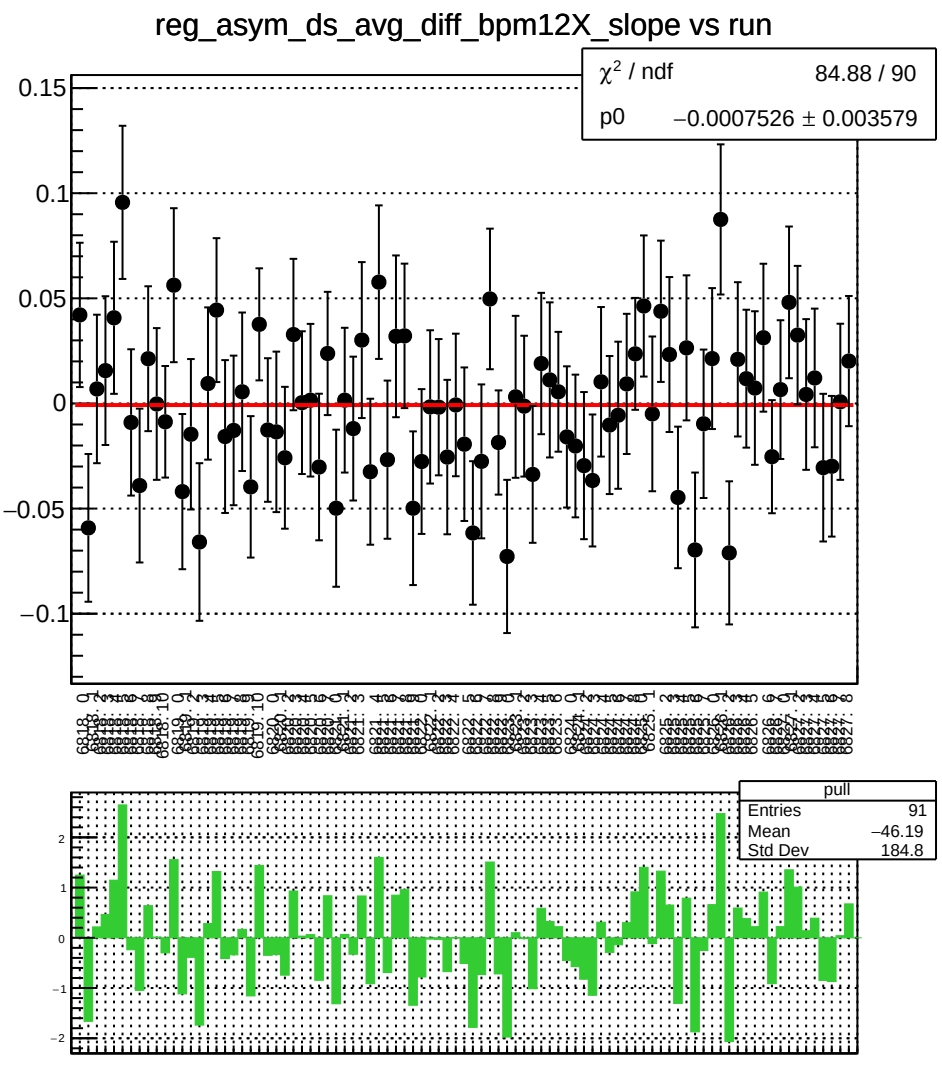

pull1D
Entries 91
Mean −0.003397
Std Dev 0.9012

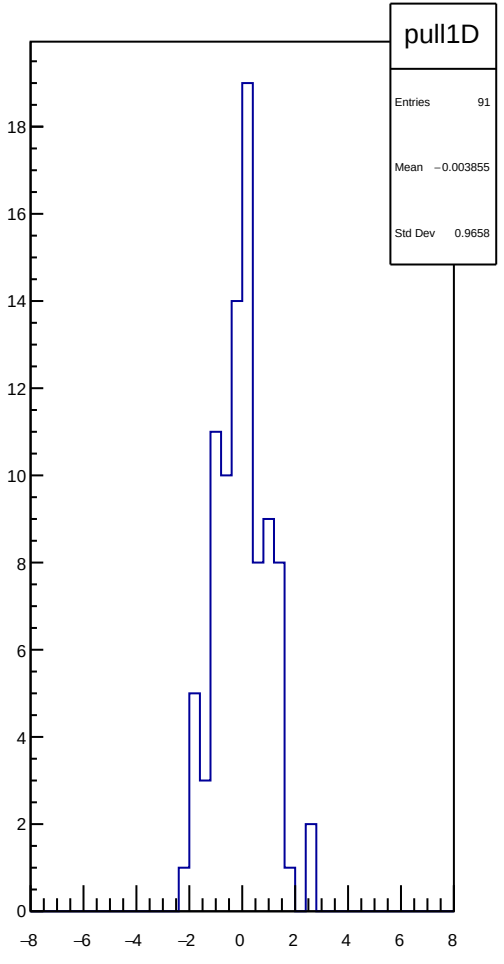

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 91.56 / 90
p0 0.1105 ± 0.08558
pull
Entries 91
Mean 385.3
Std Dev 342.8

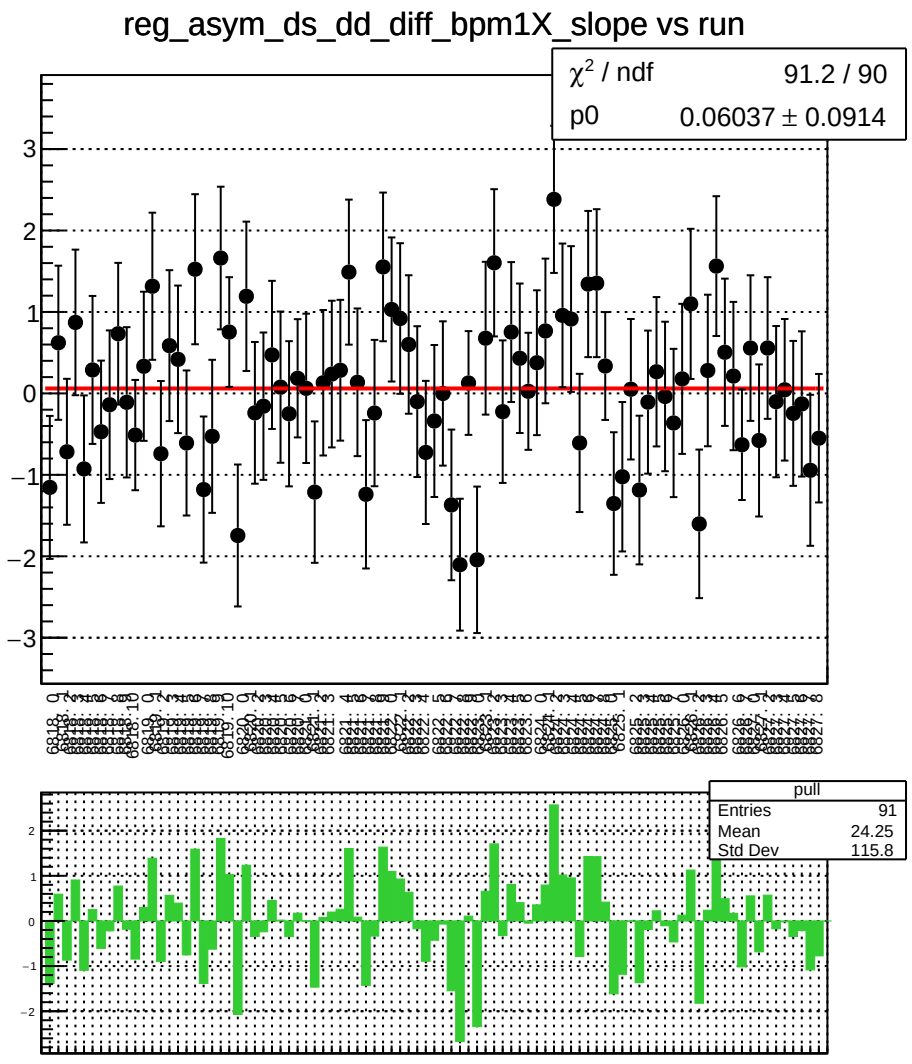

pull1D
Entries 91
Mean 0.00624
Std Dev 1.003

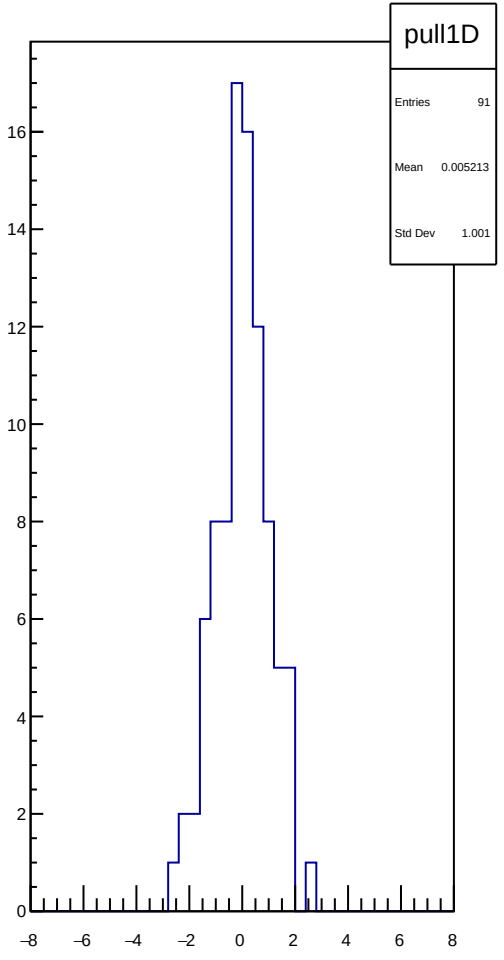

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 72.64 / 90
p0 0.07872 ± 0.0718
pull
Entries 91
Mean −48.58
Std Dev 102.6

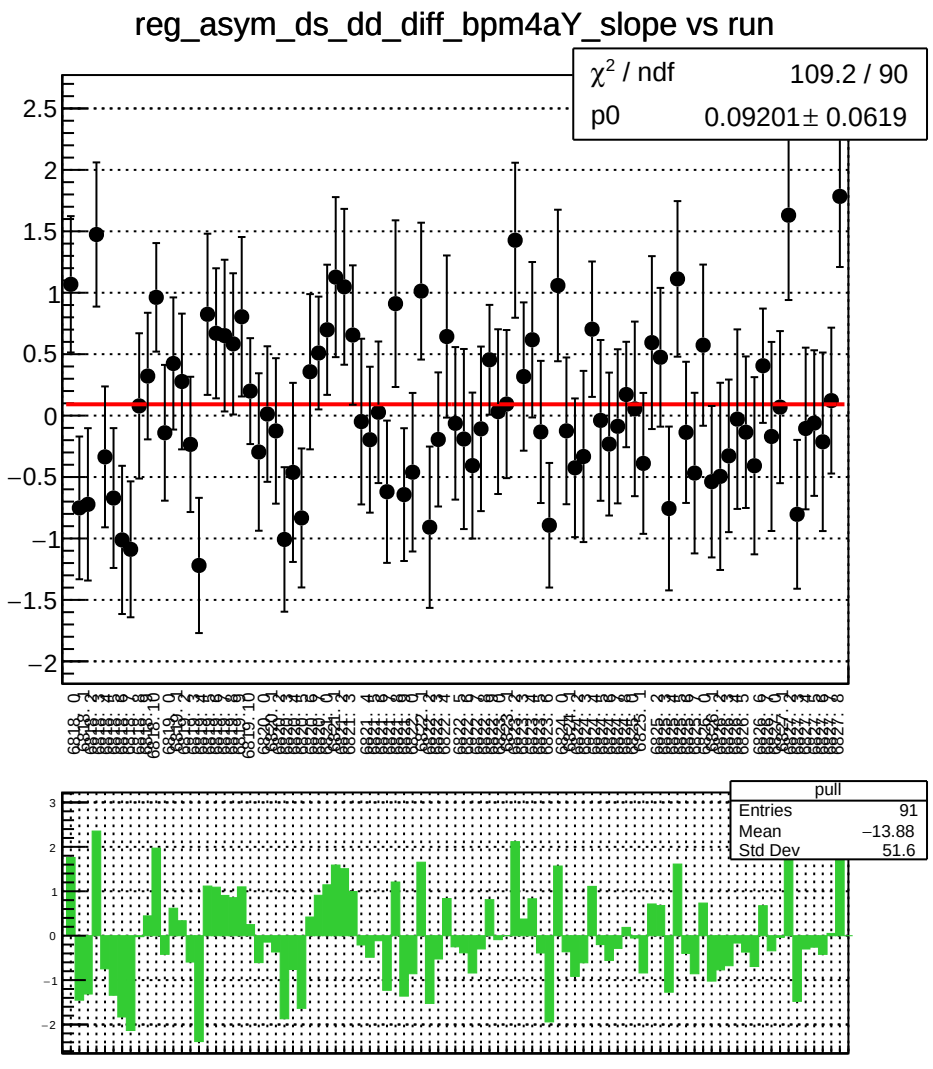

pull1D
Entries 91
Mean 0.003896
Std Dev 0.8934

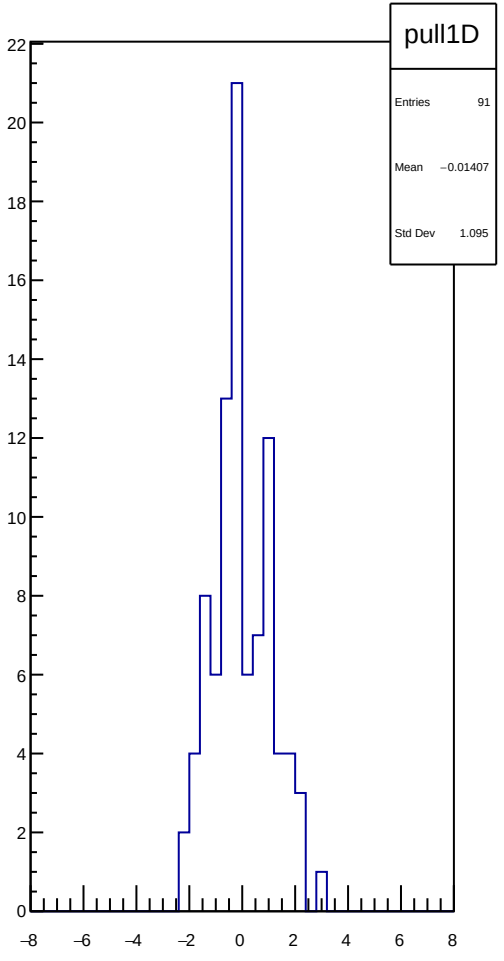

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 84.88 / 90
p0 −0.0007526 ± 0.003579
pull
Entries 91
Mean −46.19
Std Dev 184.8

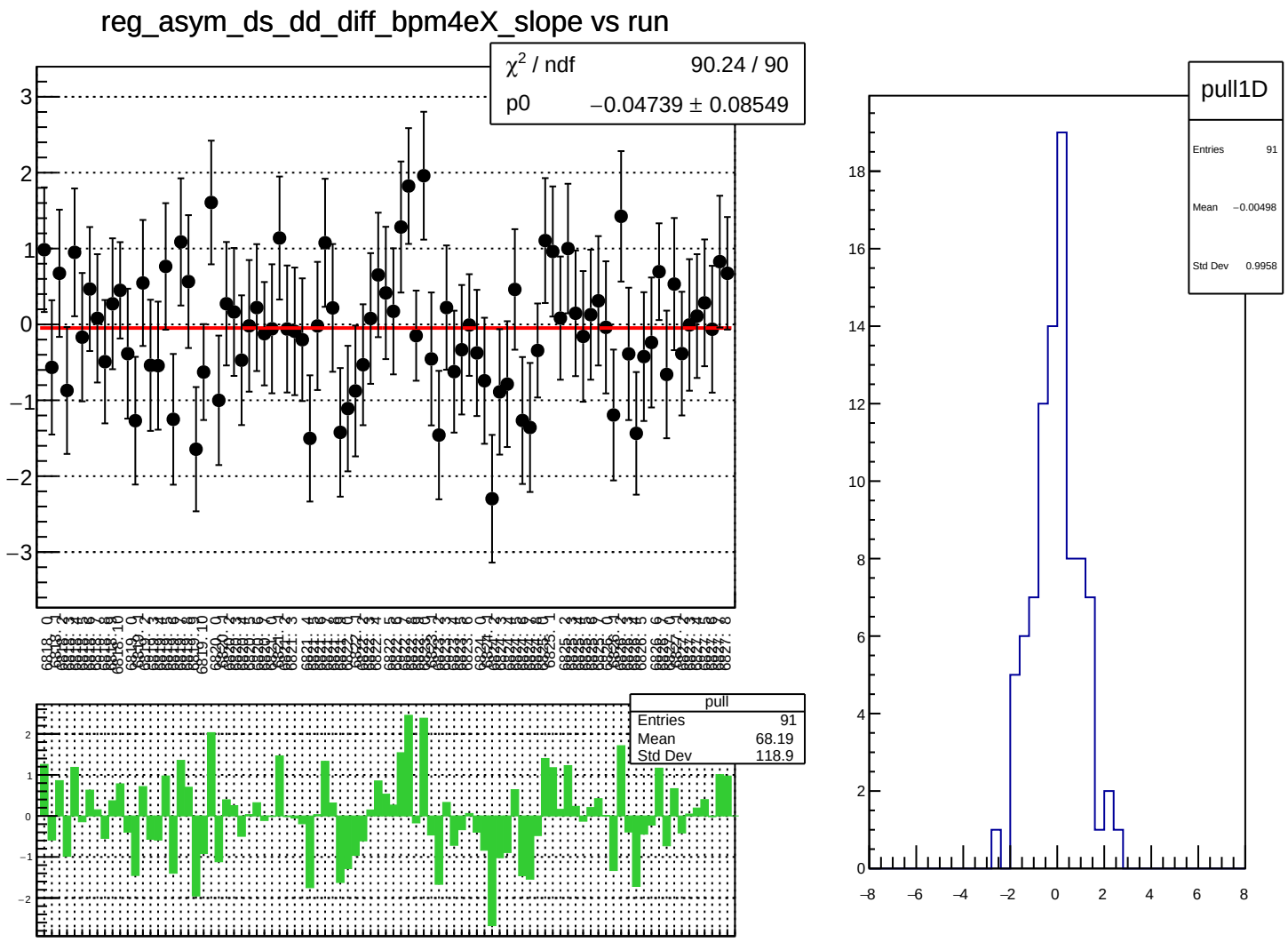

pull1D
Entries 91
Mean −0.003855
Std Dev 0.9658

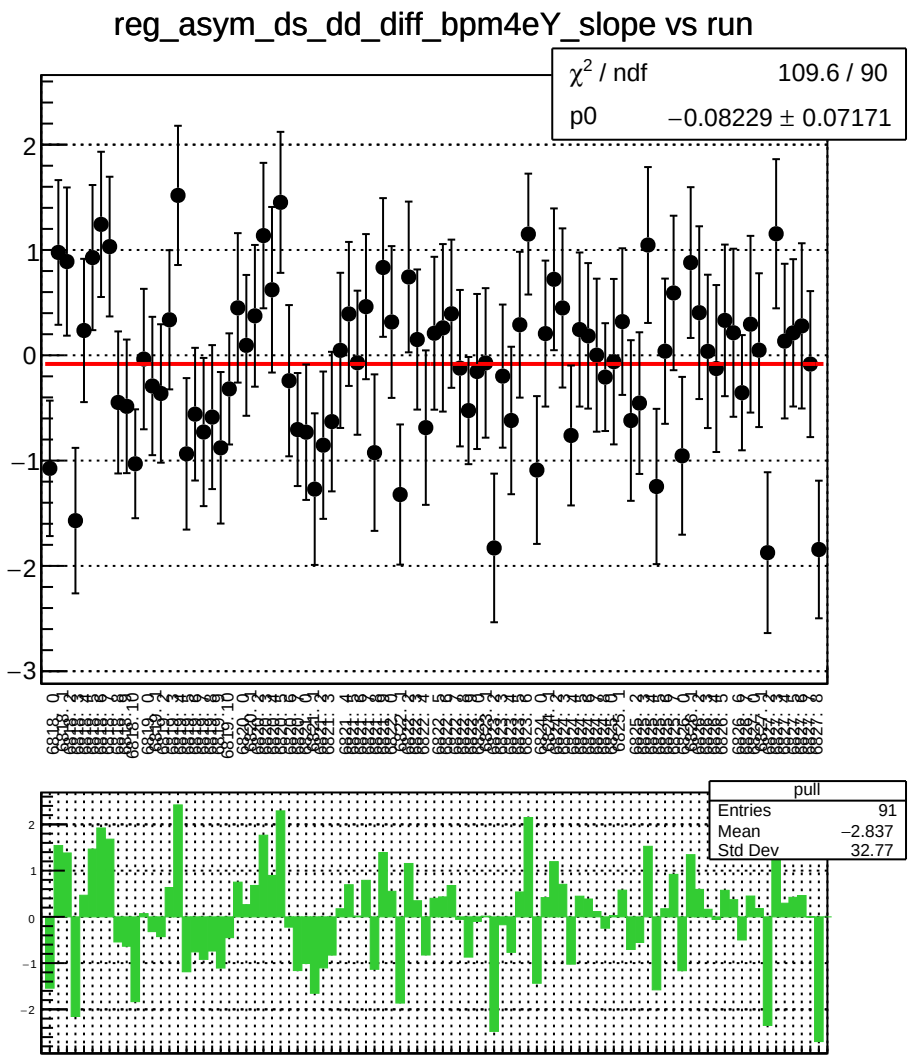

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 91.2 / 90
p0 0.06037 ± 0.0914
pull
Entries 91
Mean 24.25
Std Dev 115.8

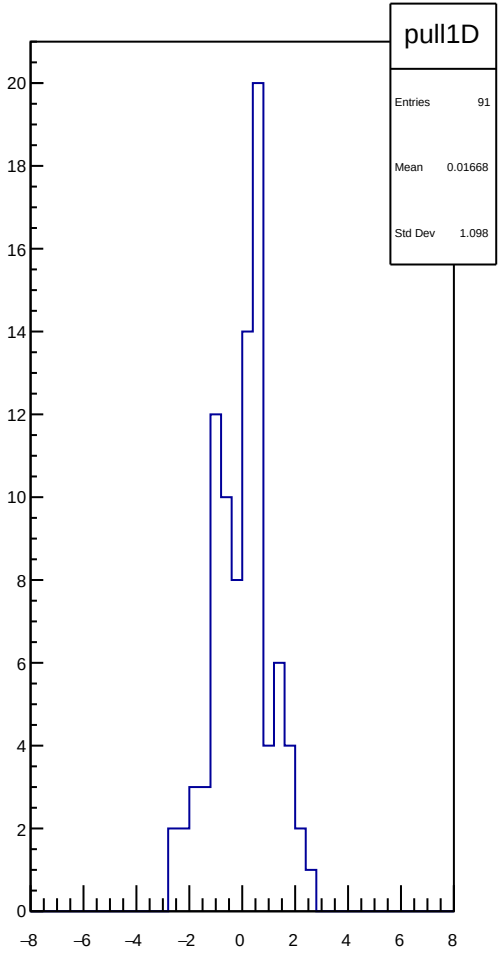

pull1D
Entries 91
Mean 0.005213
Std Dev 1.001

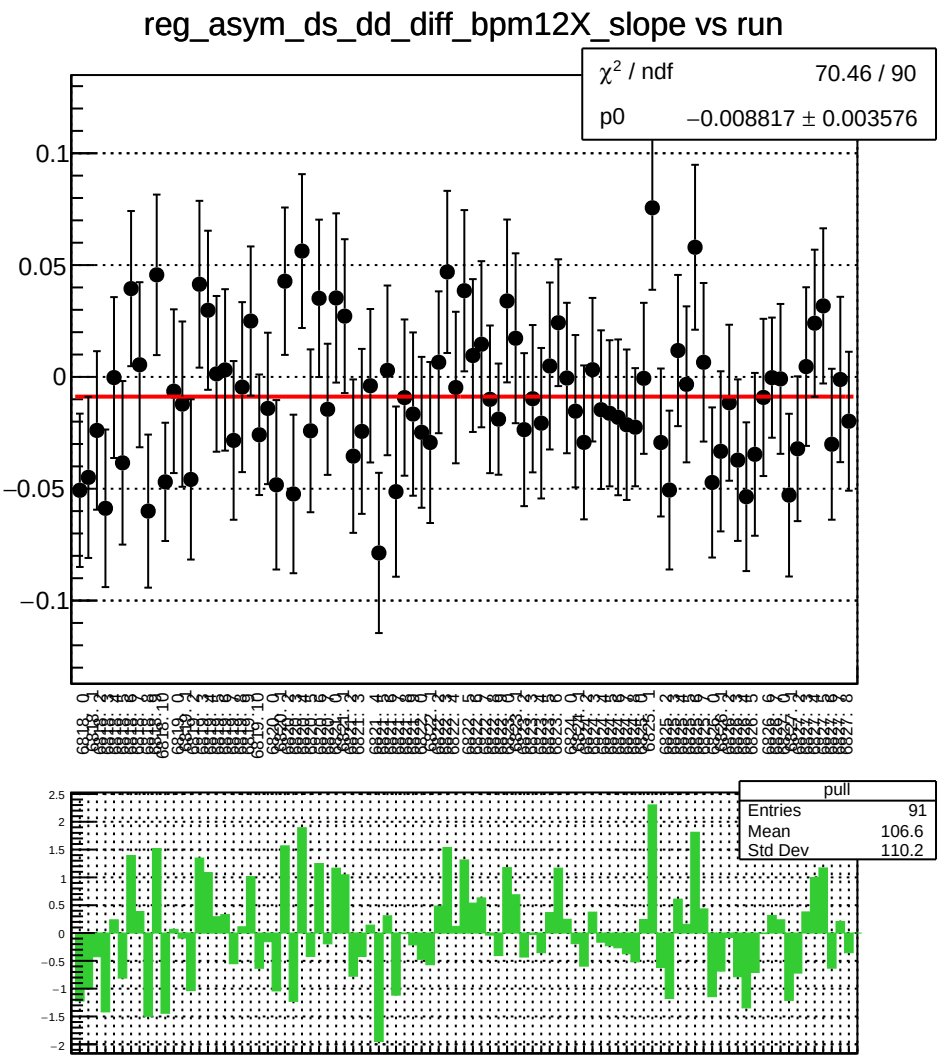

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 109.2 / 90
p0 0.09201 ± 0.0619
pull
Entries 91
Mean −13.88
Std Dev 51.6

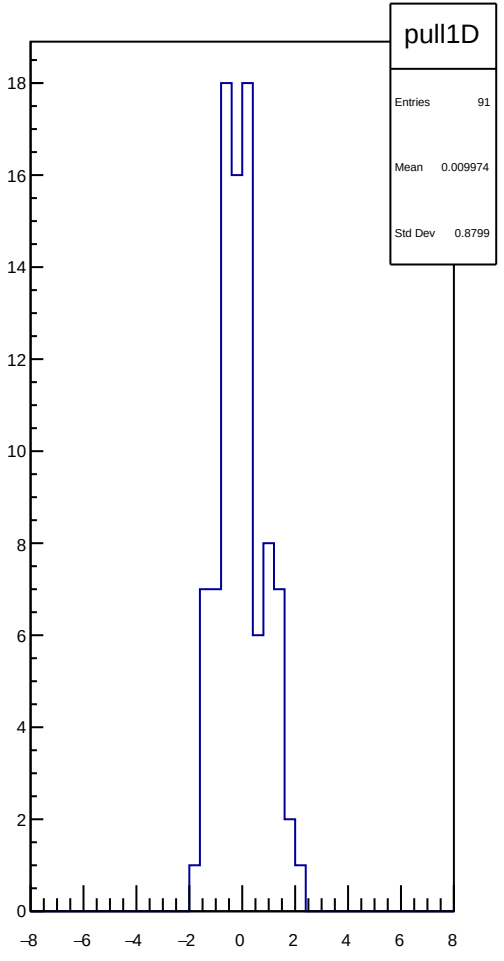

pull1D
Entries 91
Mean −0.01407
Std Dev 1.095

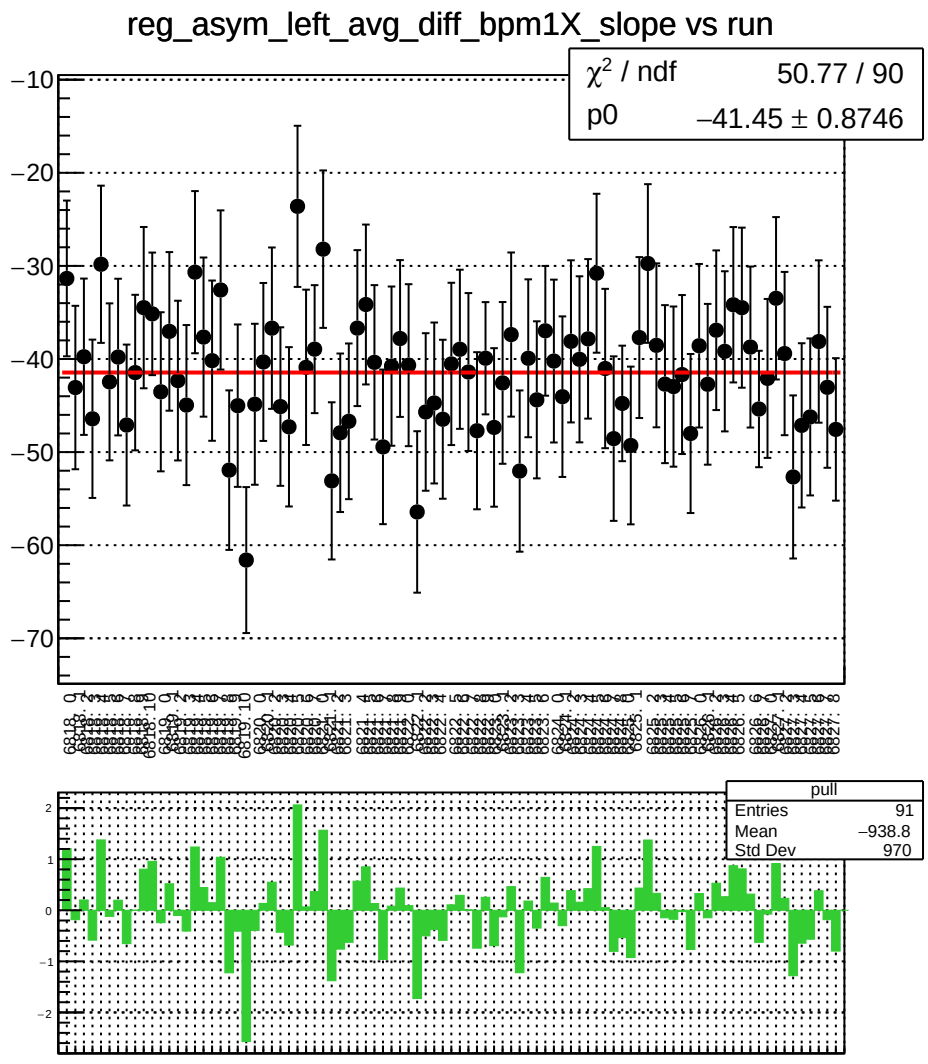

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.24 / 90
p0 −0.04739 ± 0.08549
pull
Entries 91
Mean 68.19
Std Dev 118.9
pull1D
Entries 91
Mean −0.00498
Std Dev 0.9958

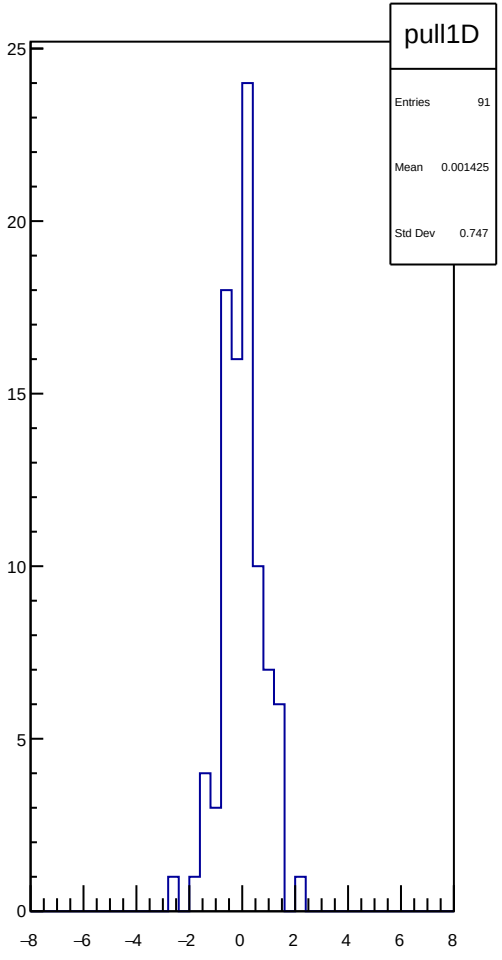

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 109.6 / 90
p0 −0.08229 ± 0.07171
pull
Entries 91
Mean −2.837
Std Dev 32.77

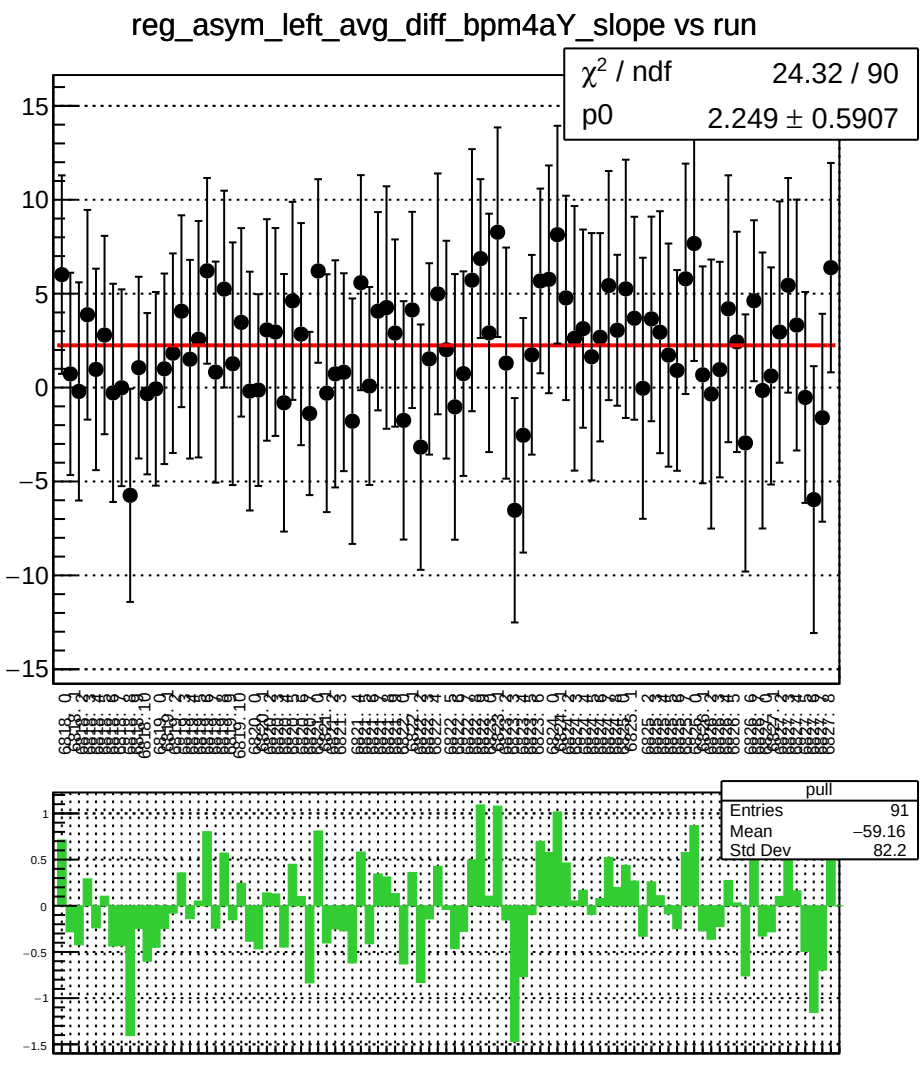

pull1D
Entries 91
Mean 0.01668
Std Dev 1.098

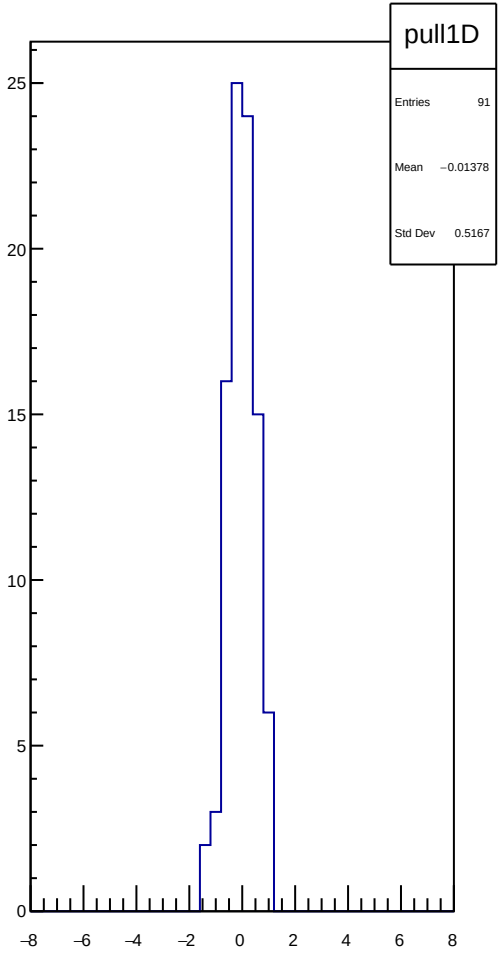

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 70.46 / 90
p0 −0.008817 ± 0.003576
pull
Entries 91
Mean 106.6
Std Dev 110.2

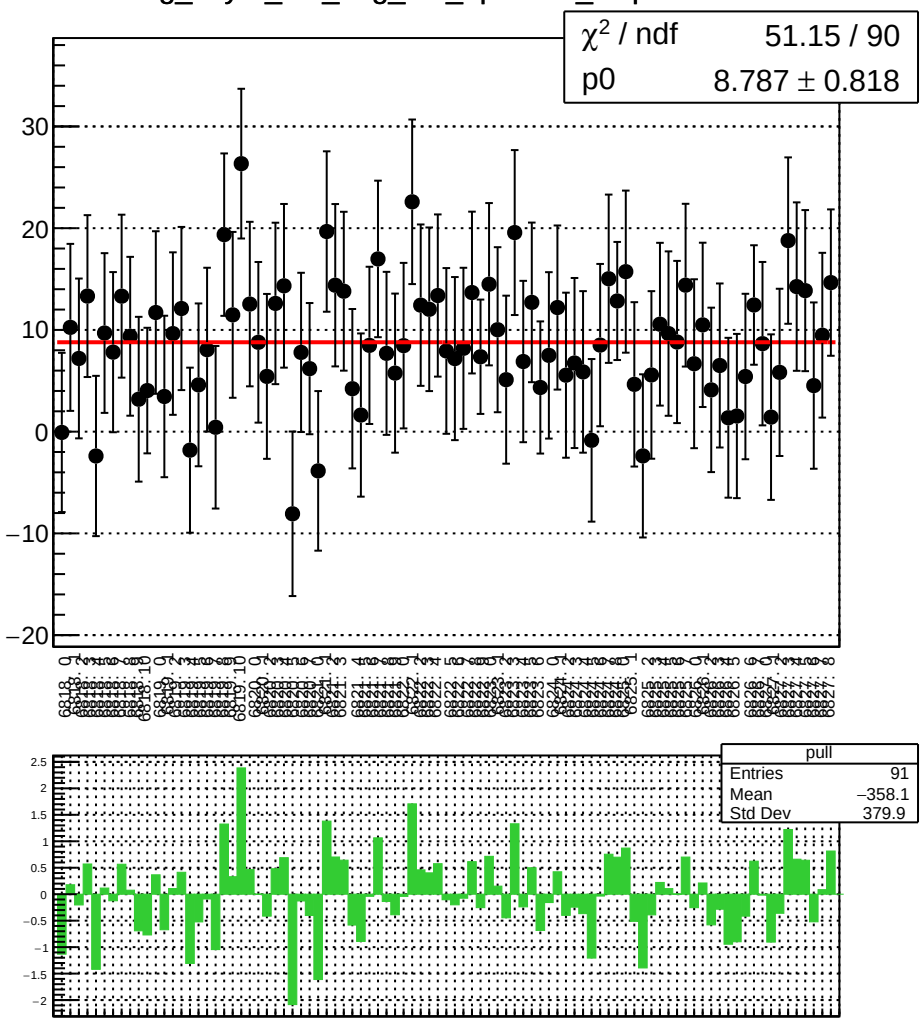

pull1D
Entries 91
Mean 0.009974
Std Dev 0.8799

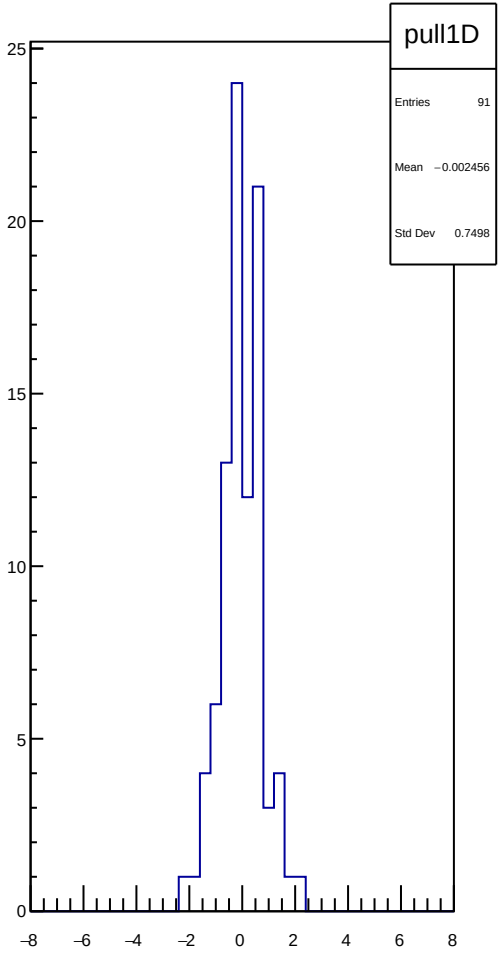

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 50.77 / 90
p0 −41.45 ± 0.8746
pull
Entries 91
Mean −938.8
Std Dev 970

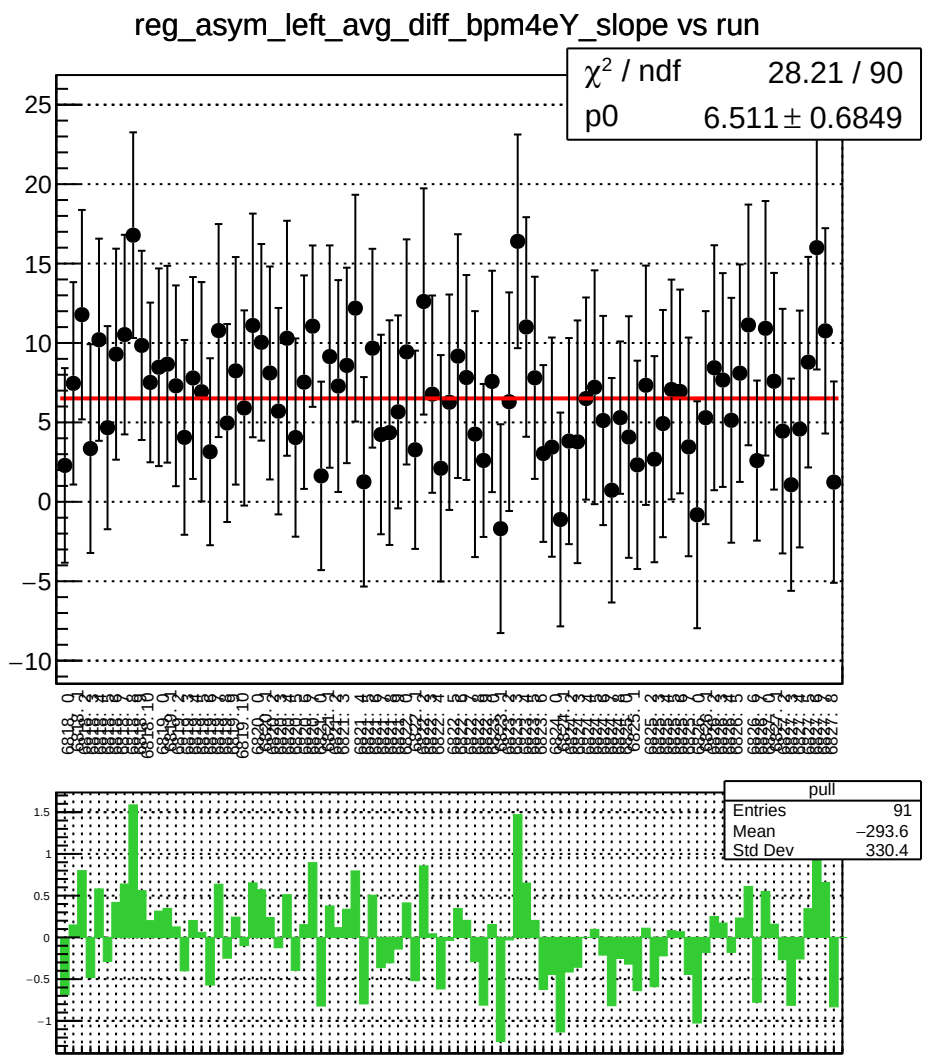

pull1D
Entries 91
Mean 0.001425
Std Dev 0.747

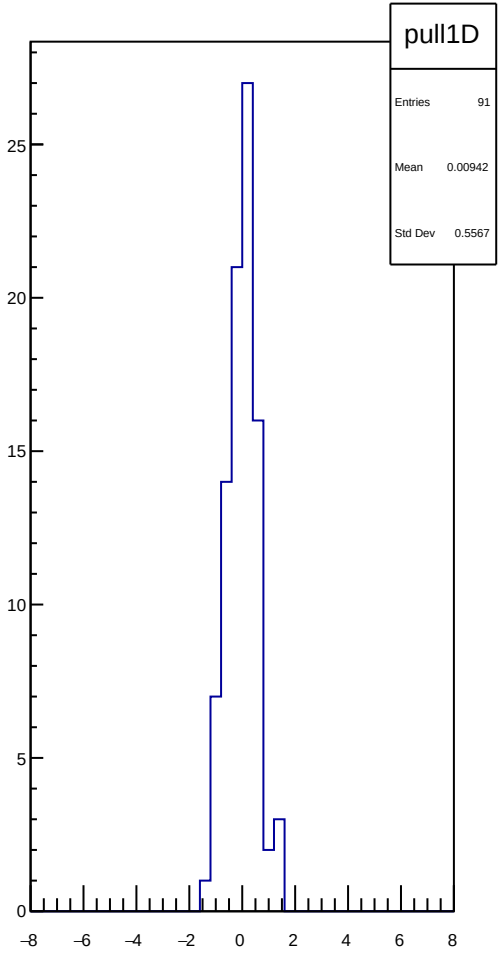

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.32 / 90
p0 2.249 ± 0.5907
pull
Entries 91
Mean −59.16
Std Dev 82.2

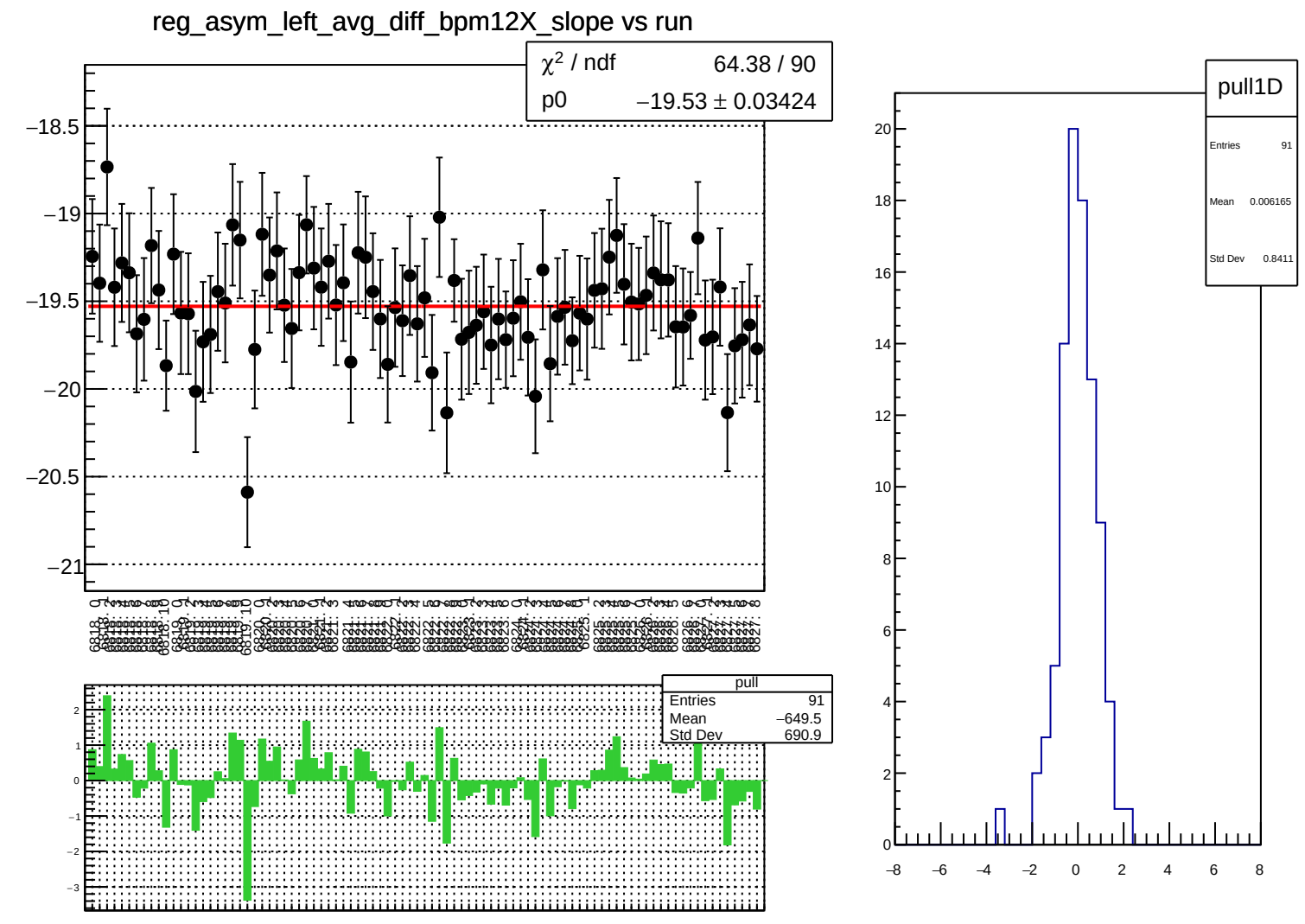

pull1D
Entries 91
Mean −0.01378
Std Dev 0.5167

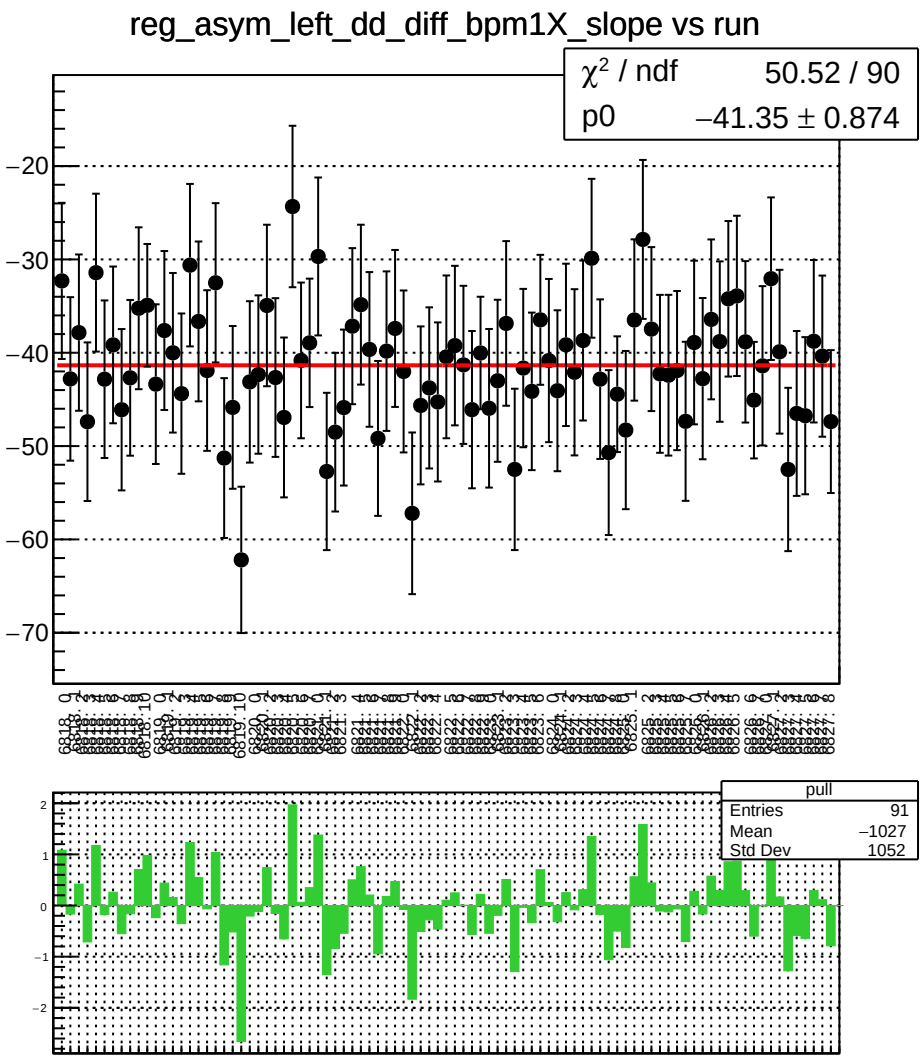

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.15 / 90
p0 8.787 ± 0.818
pull
Entries 91
Mean −358.1
Std Dev 379.9

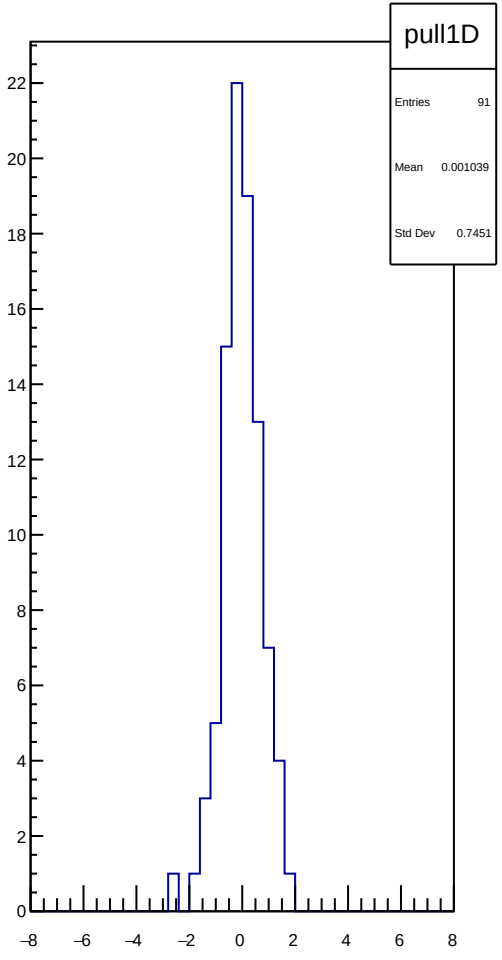

pull1D
Entries 91
Mean −0.002456
Std Dev 0.7498

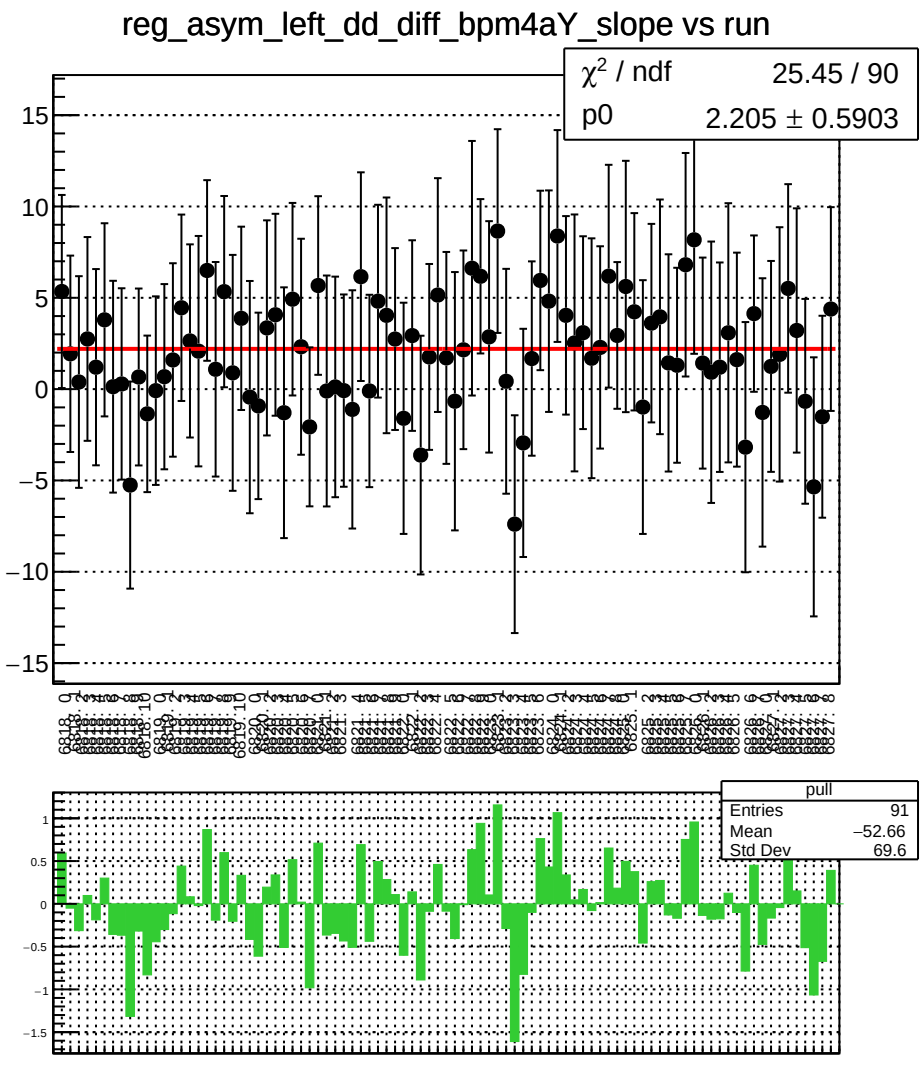

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.21 / 90
p0 6.511 ± 0.6849
pull
Entries 91
Mean −293.6
Std Dev 330.4

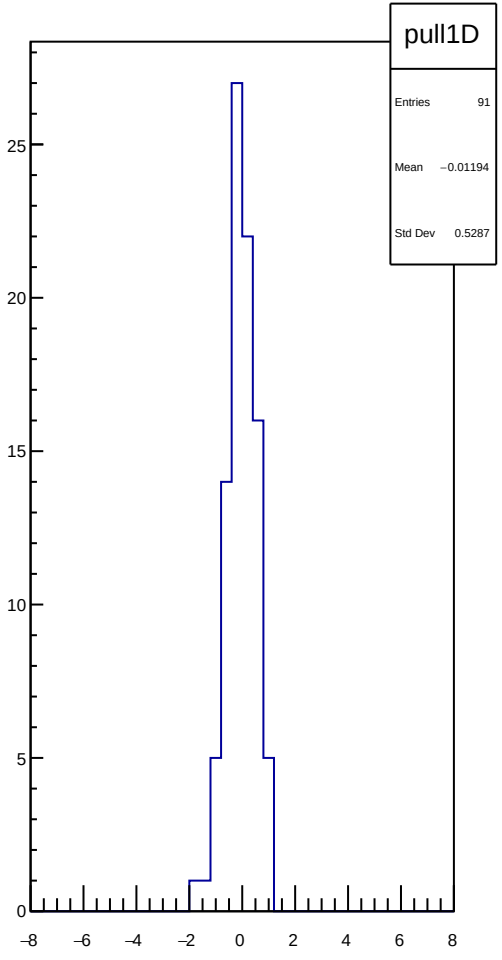

pull1D
Entries 91
Mean 0.00942
Std Dev 0.5567

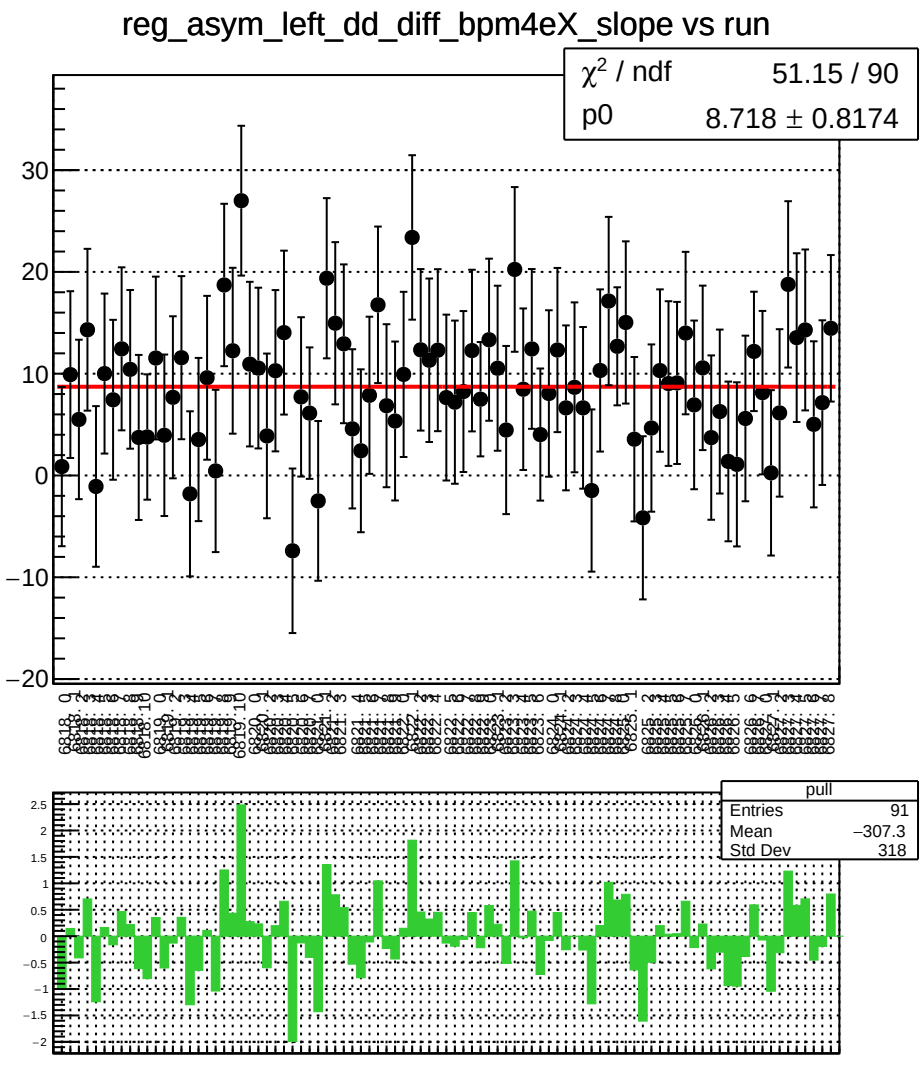

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 64.38 / 90
p0 −19.53 ± 0.03424
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 91
Mean −649.5
Std Dev 690.9
pull1D
Entries 91
Mean 0.006165
Std Dev 0.8411

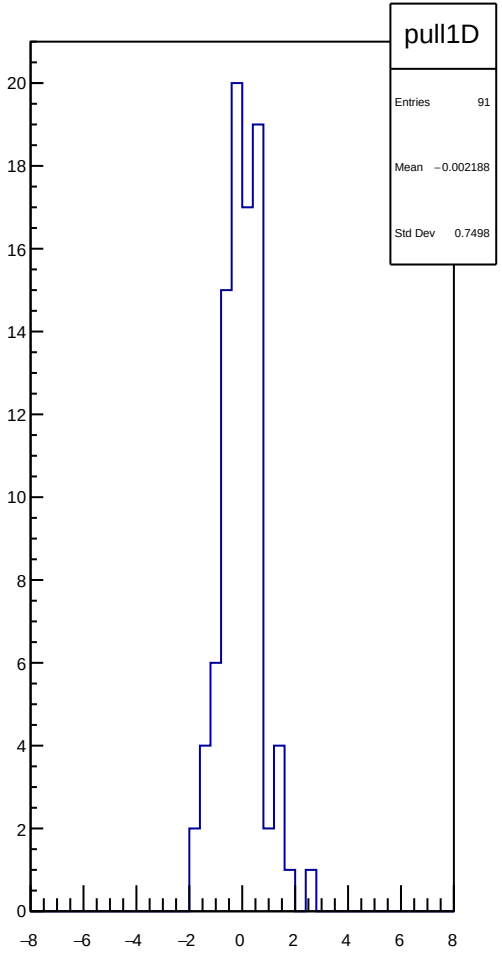

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 50.52 / 90
p0 −41.35 ± 0.874
pull
Entries 91
Mean −1027
Std Dev 1052

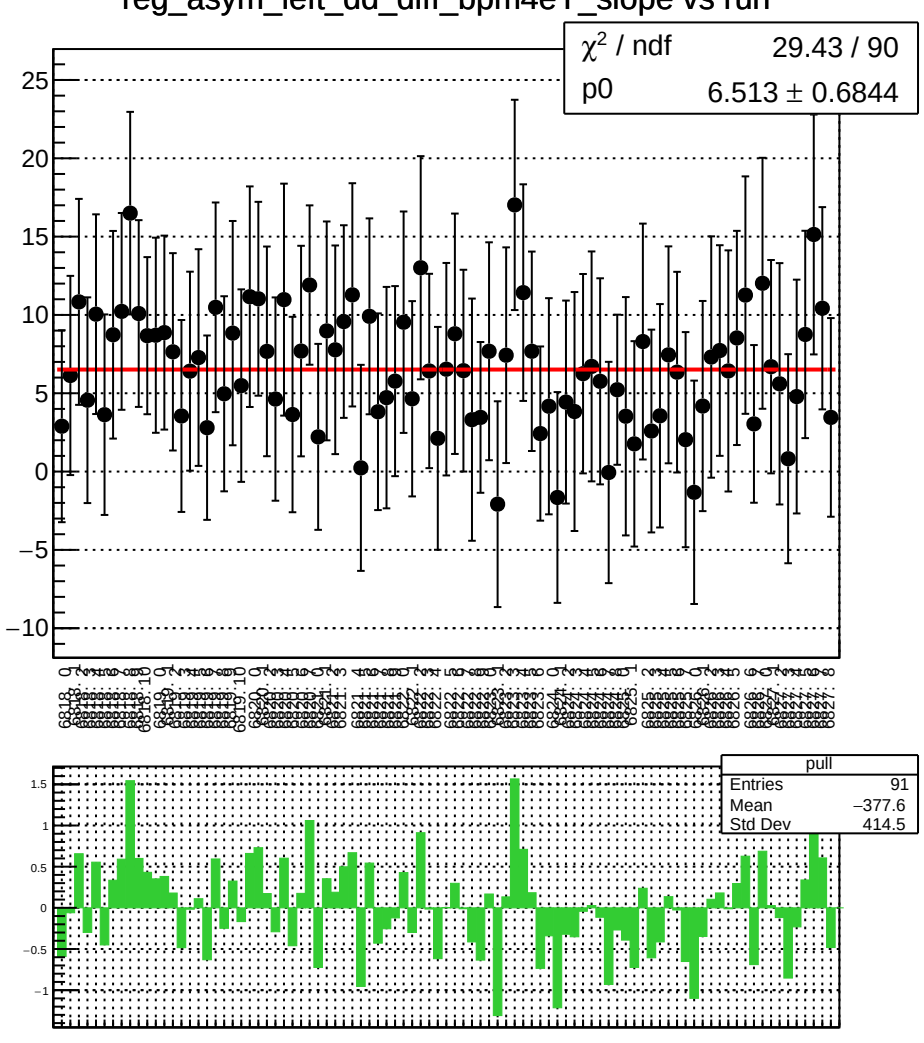

pull1D
Entries 91
Mean 0.001039
Std Dev 0.7451

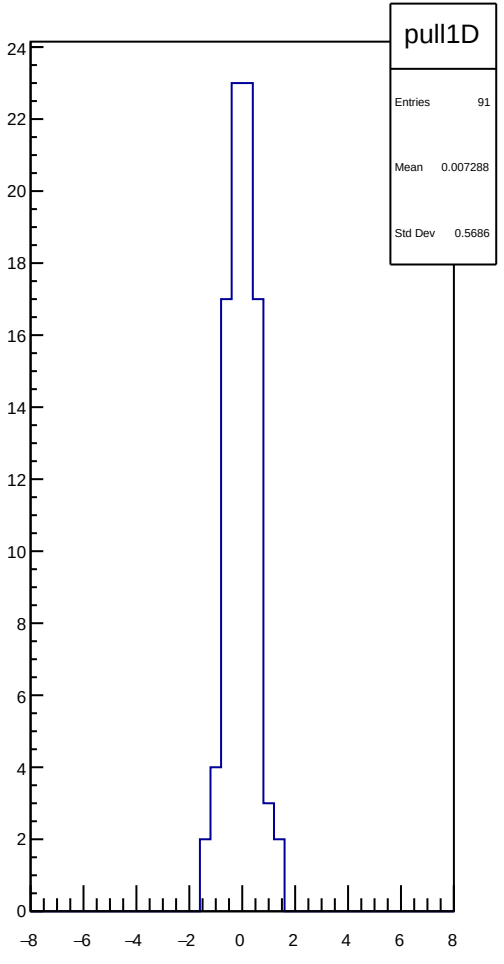

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.45 / 90
p0 2.205 ± 0.5903
pull
Entries 91
Mean −52.66
Std Dev 69.6

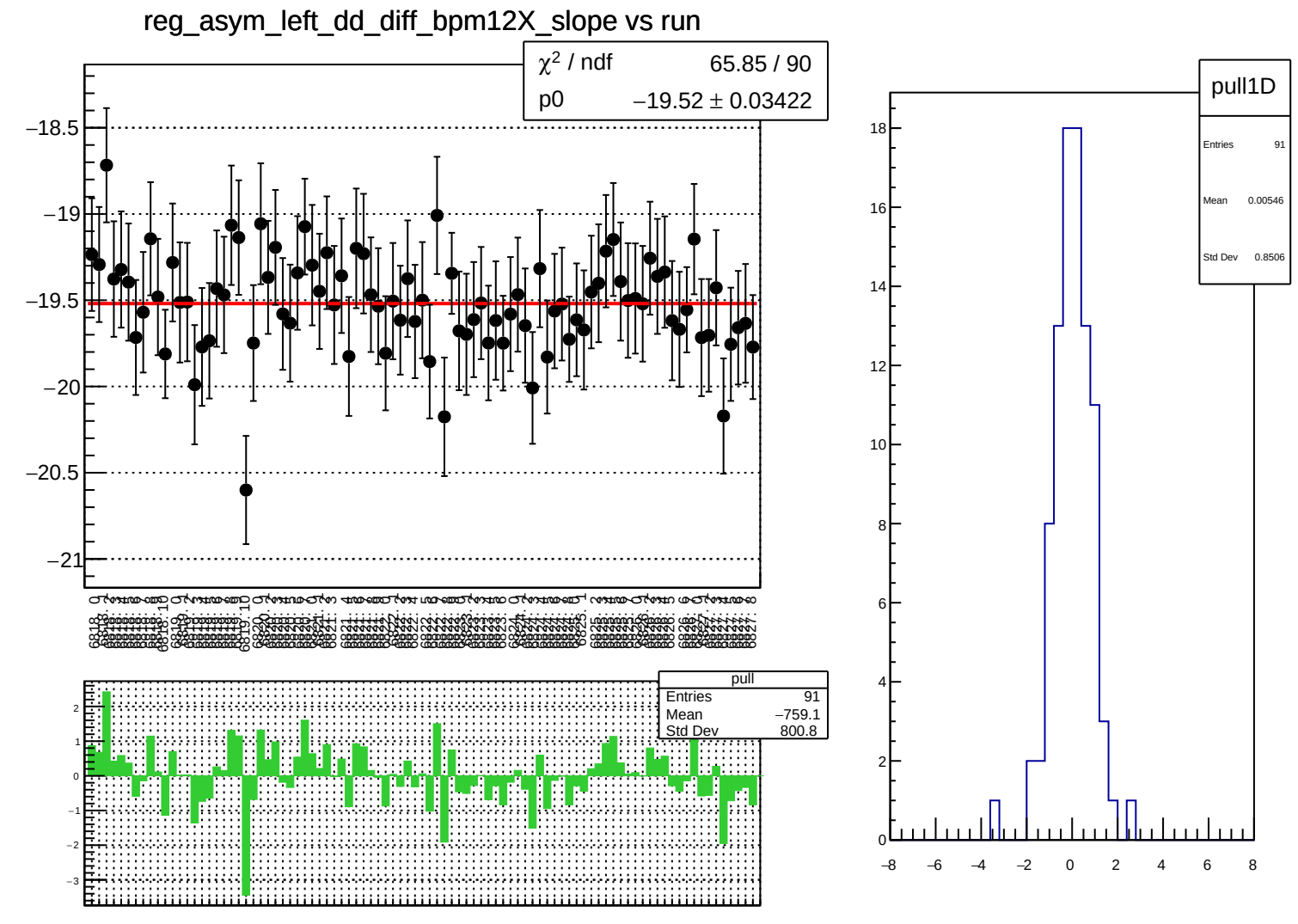

pull1D
Entries 91
Mean −0.01194
Std Dev 0.5287

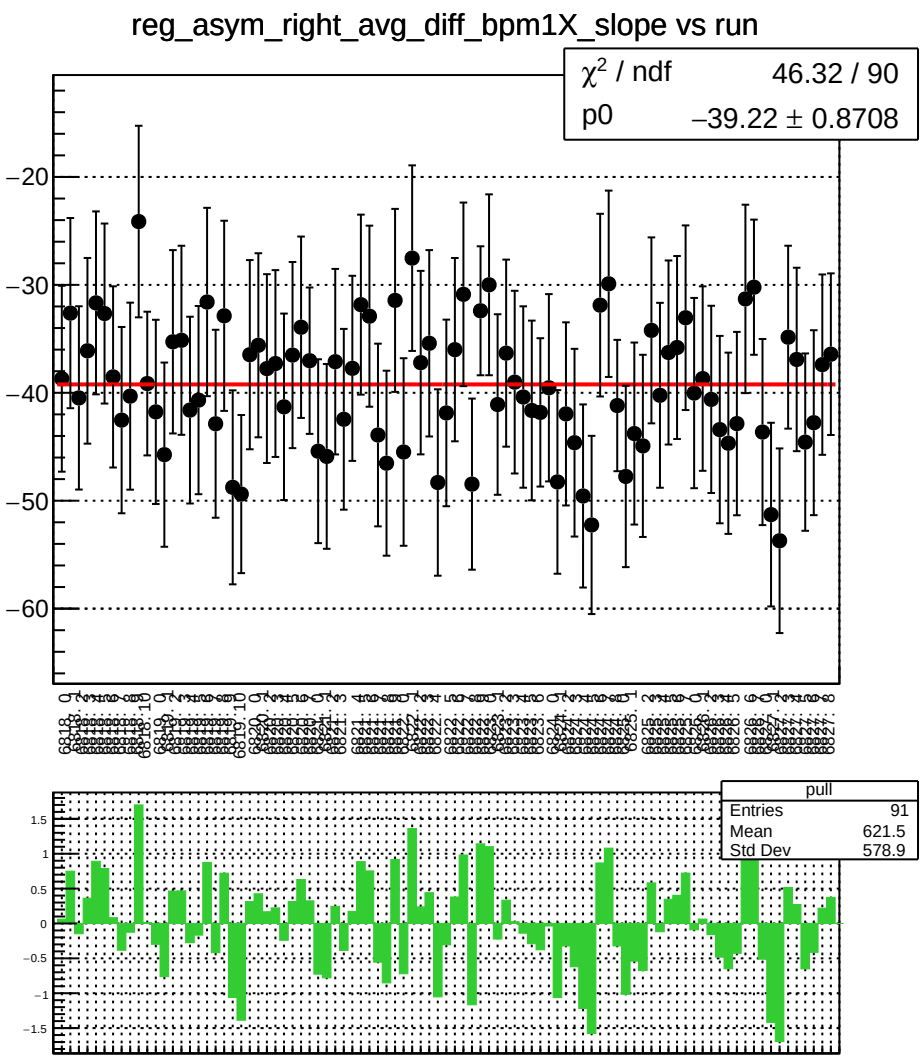

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.15 / 90
p0 8.718 ± 0.8174
pull
Entries 91
Mean −307.3
Std Dev 318

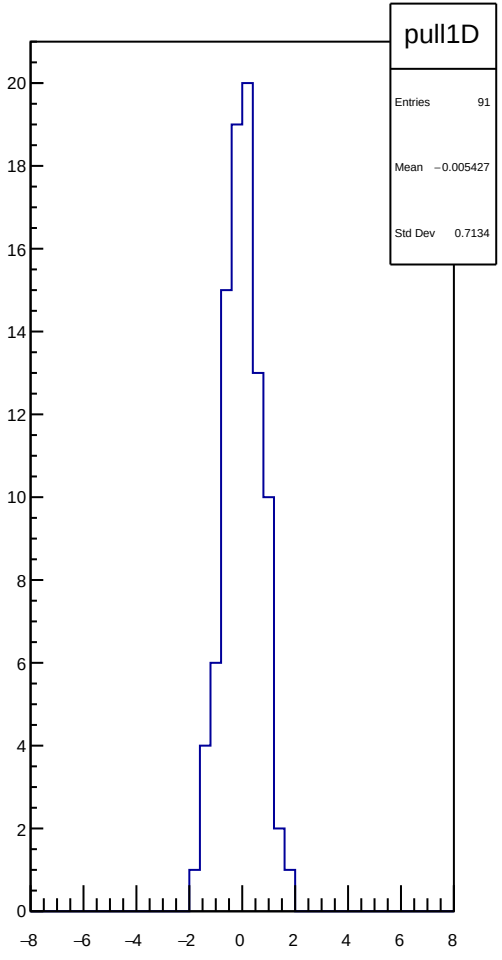

pull1D
Entries 91
Mean −0.002188
Std Dev 0.7498

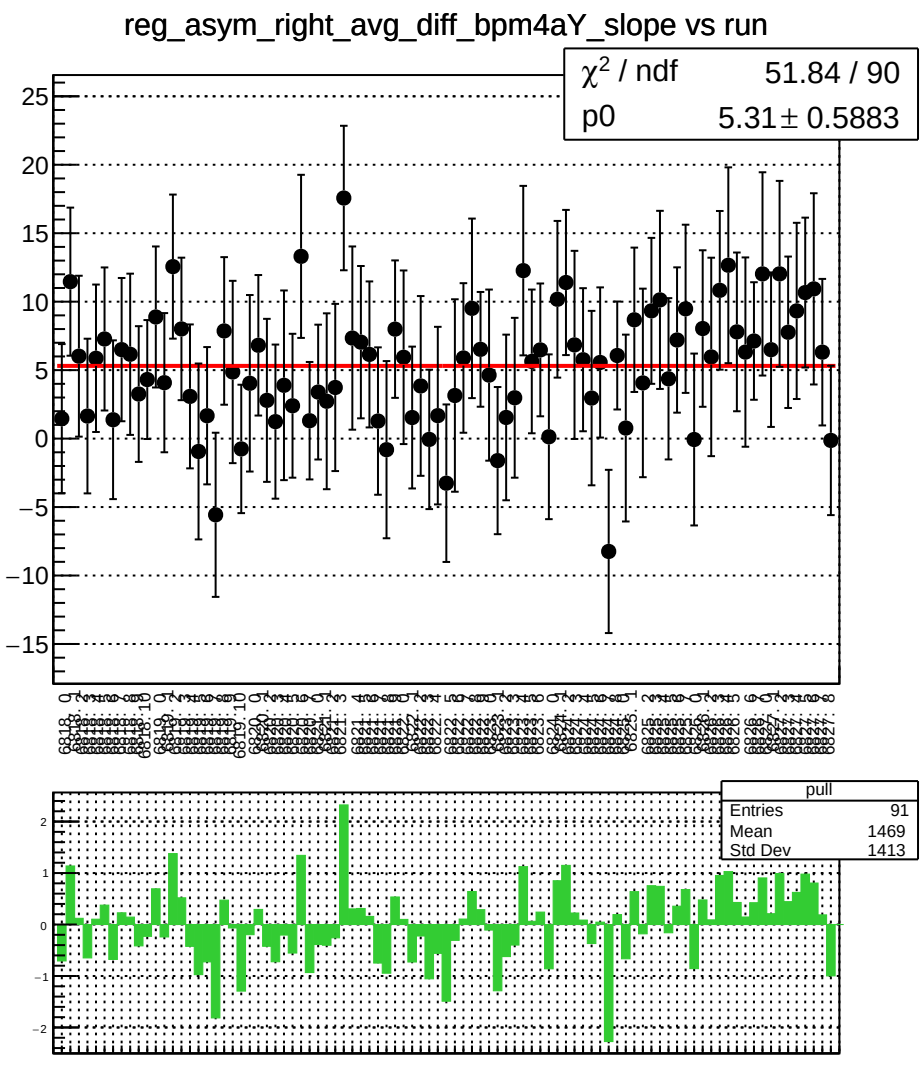

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.43 / 90
p0 6.513 ± 0.6844
pull
Entries 91
Mean −377.6
Std Dev 414.5

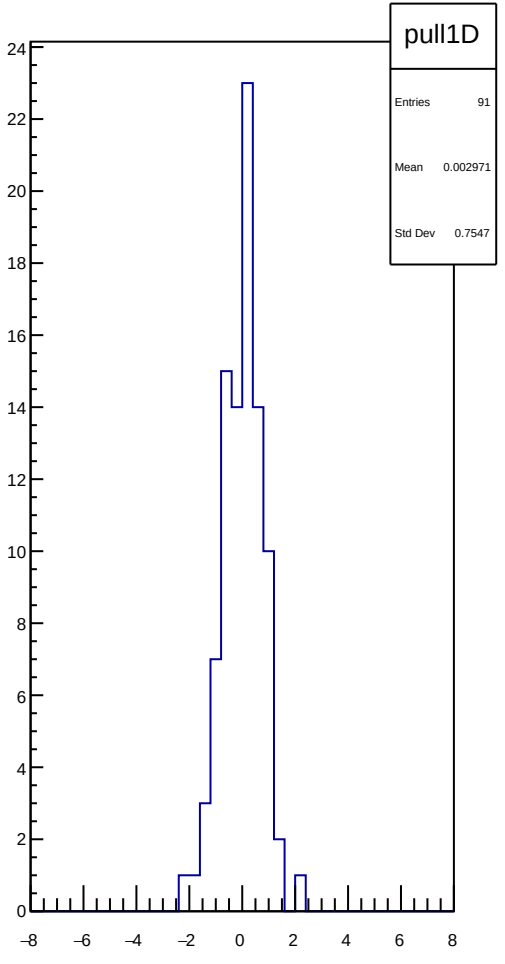

pull1D
Entries 91
Mean 0.007288
Std Dev 0.5686

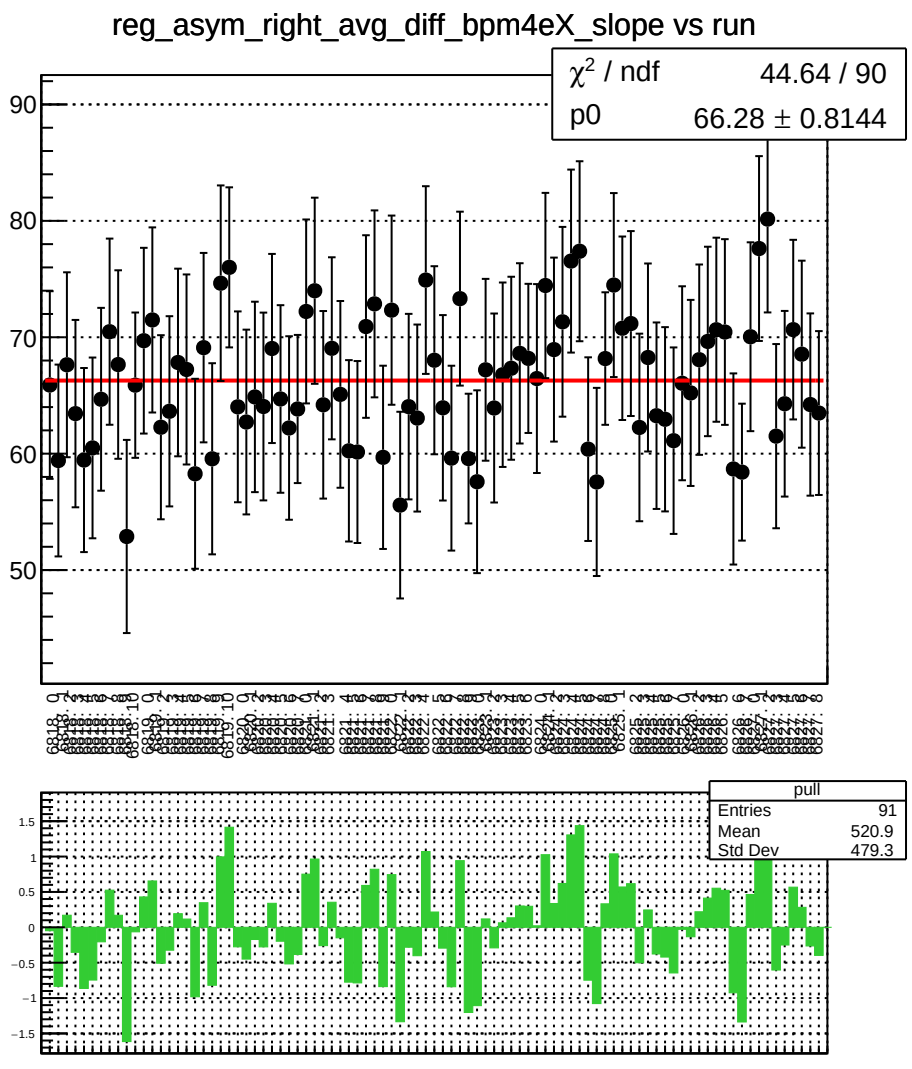

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 65.85 / 90
p0 −19.52 ± 0.03422
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 91
Mean −759.1
Std Dev 800.8
pull1D
Entries 91
Mean 0.00546
Std Dev 0.8506

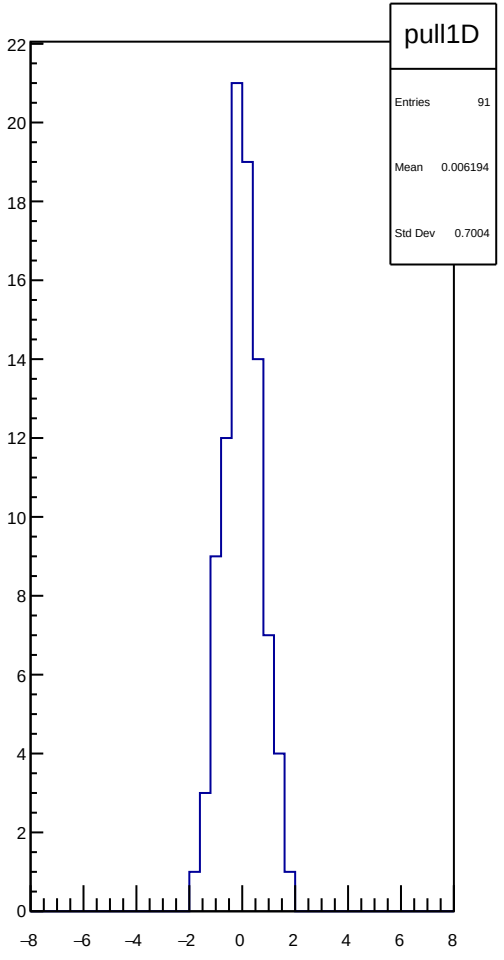

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 46.32 / 90
p0 −39.22 ± 0.8708
pull
Entries 91
Mean 621.5
Std Dev 578.9

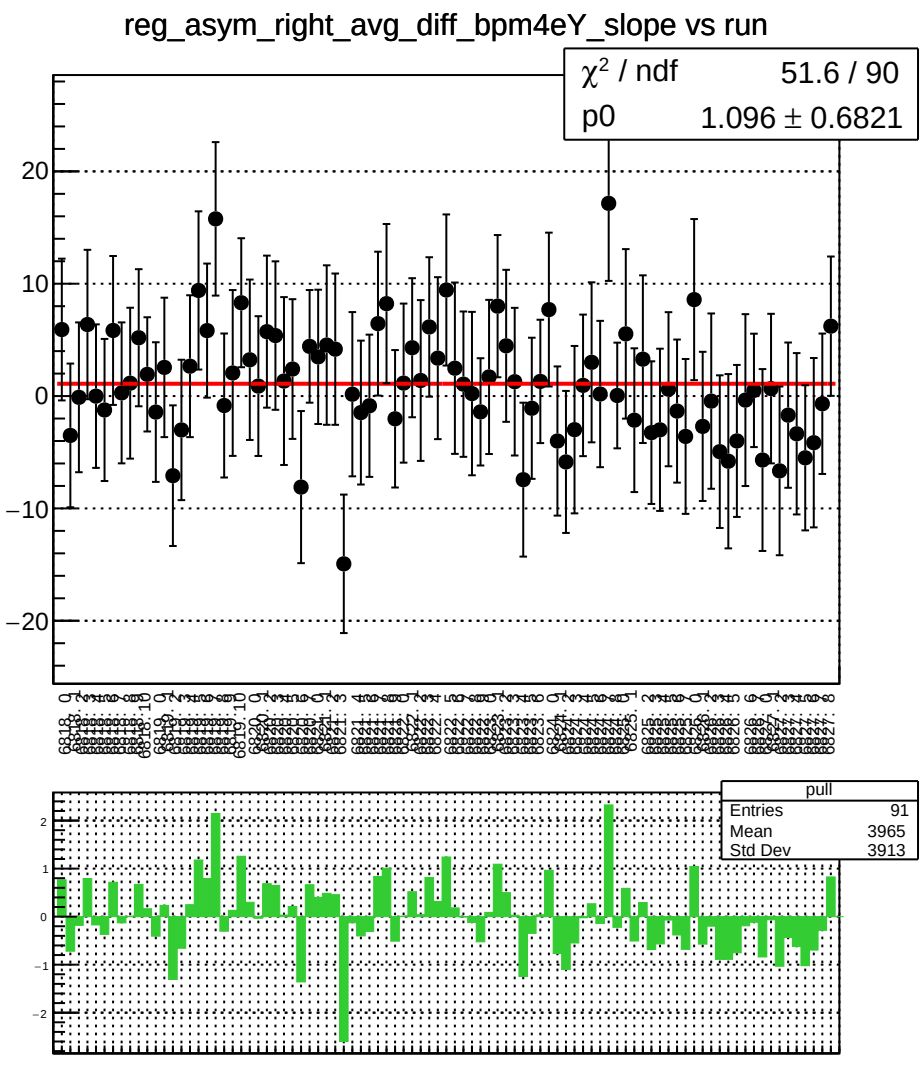

pull1D
Entries 91
Mean −0.005427
Std Dev 0.7134

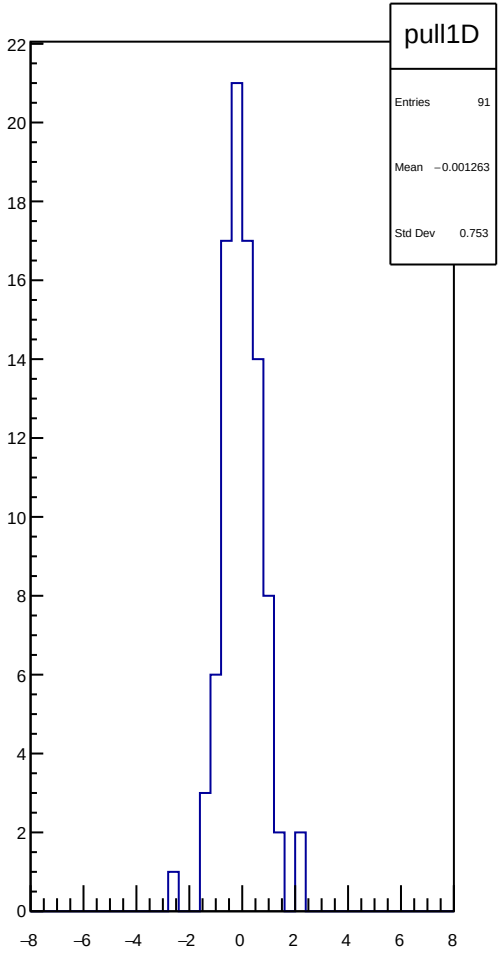

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 51.84 / 90
p0 5.31 ± 0.5883
pull
Entries 91
Mean 1469
Std Dev 1413

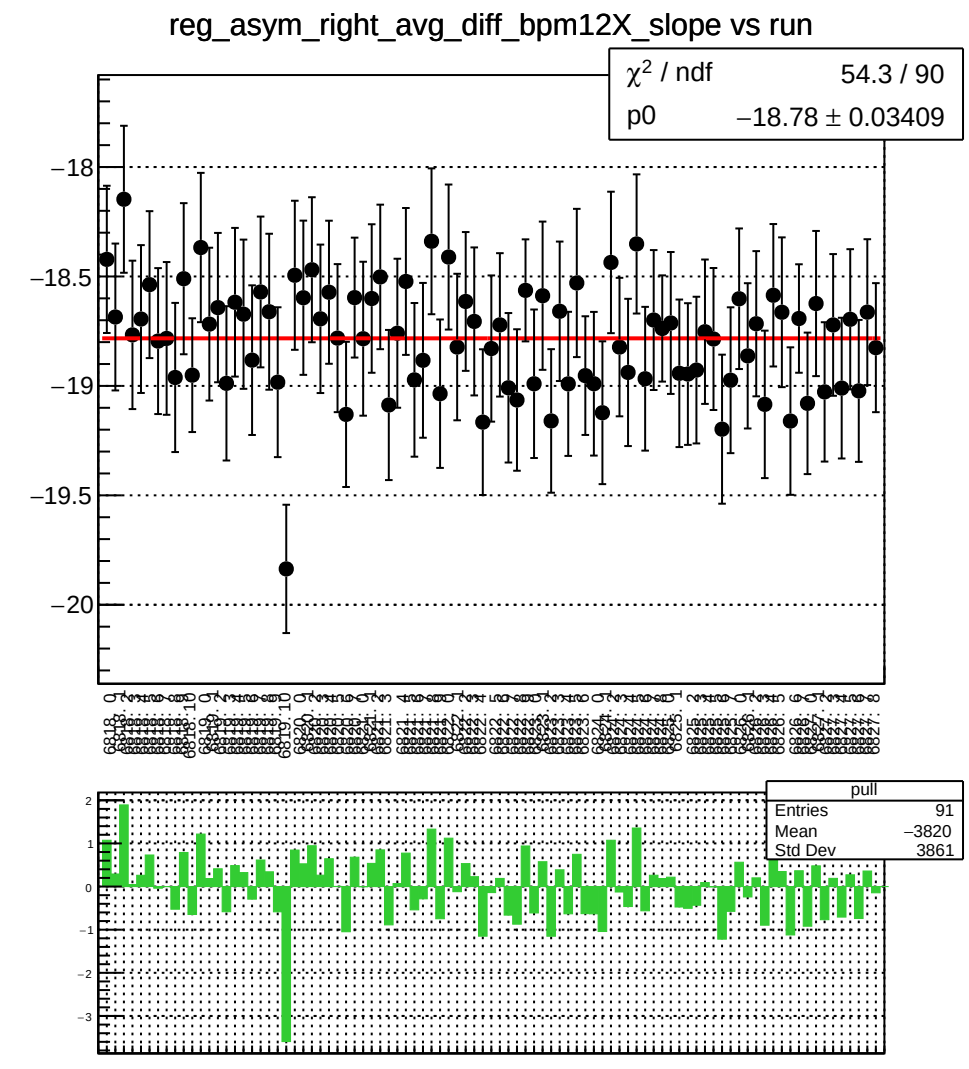

pull1D
Entries 91
Mean 0.002971
Std Dev 0.7547

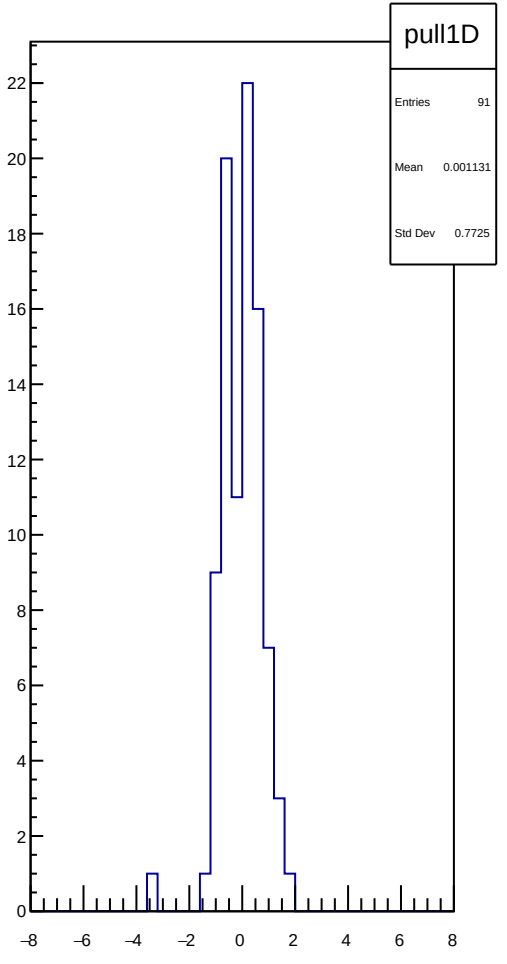

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.64 / 90
p0 66.28 ± 0.8144
pull
Entries 91
Mean 520.9
Std Dev 479.3

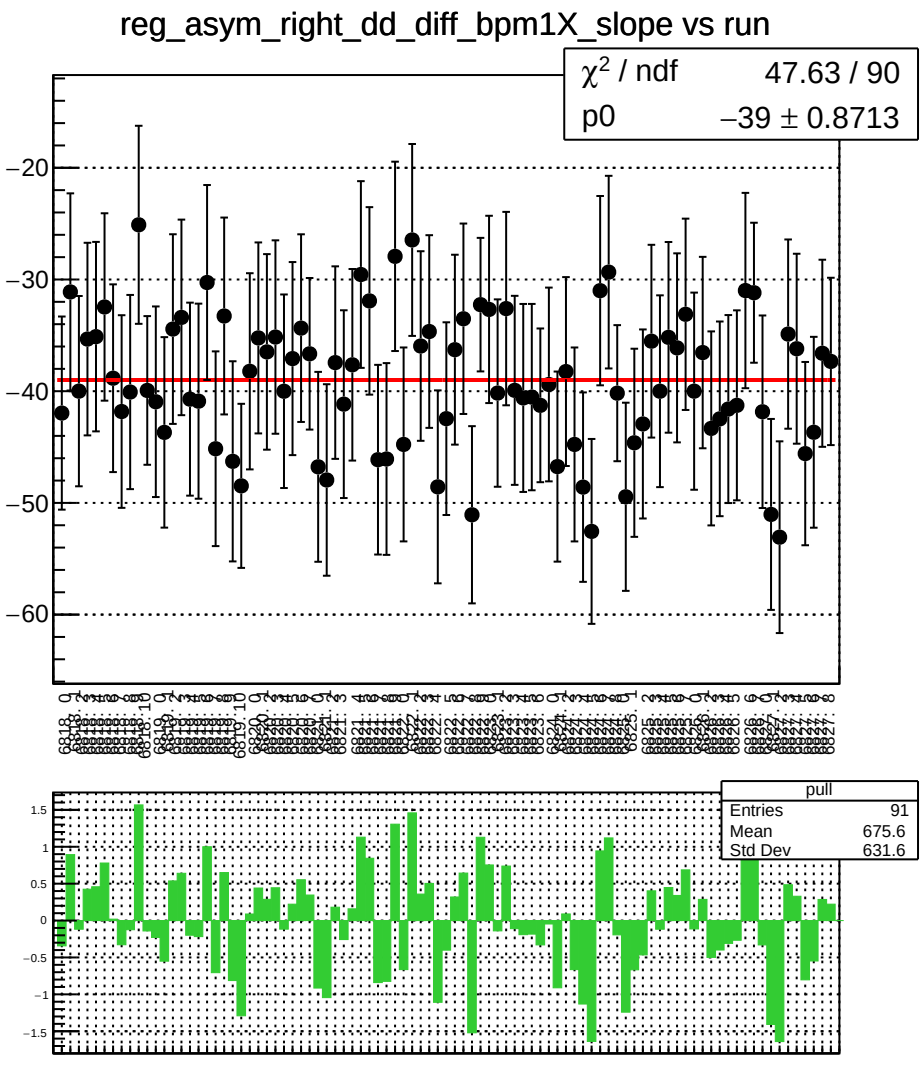

pull1D
Entries 91
Mean 0.006194
Std Dev 0.7004

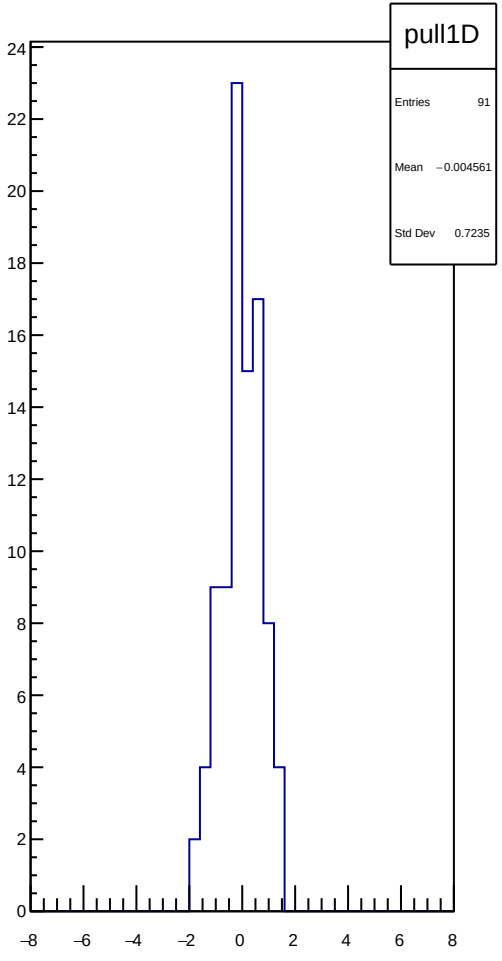

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.6 / 90
p0 1.096 ± 0.6821
pull
Entries 91
Mean 3965
Std Dev 3913

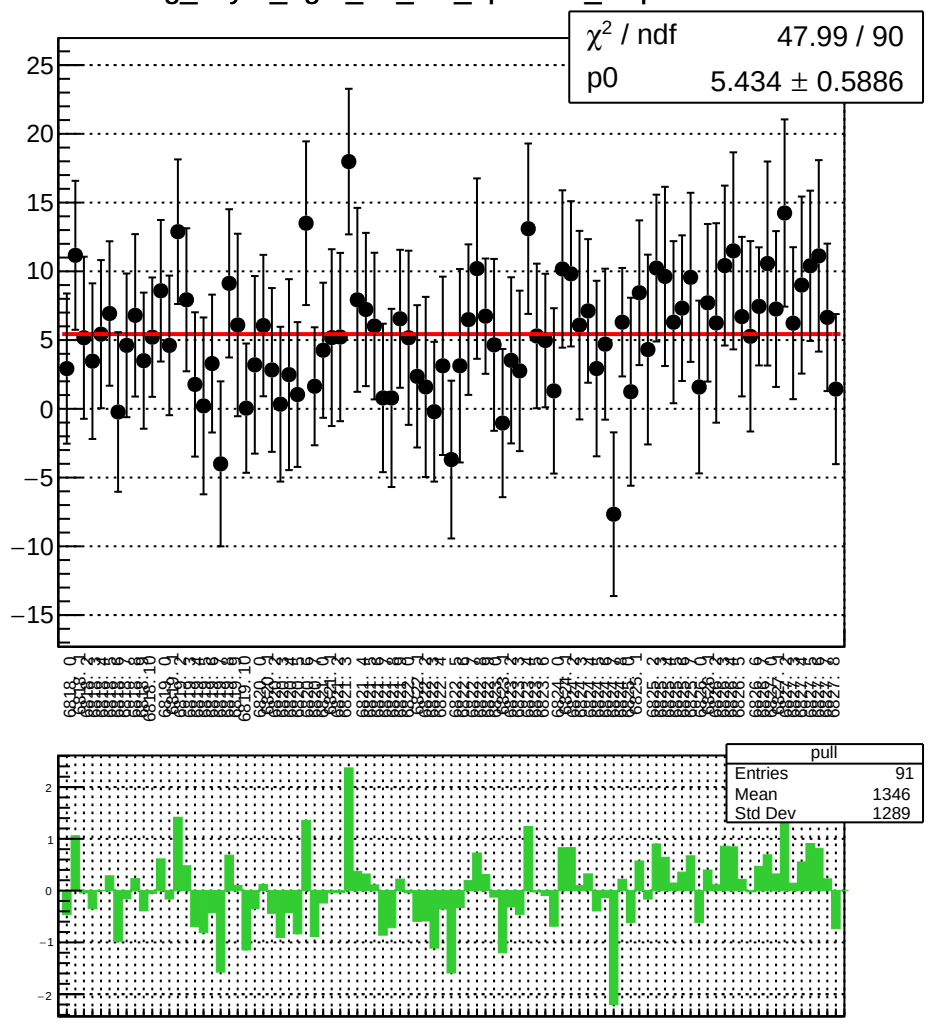

pull1D
Entries 91
Mean −0.001263
Std Dev 0.753

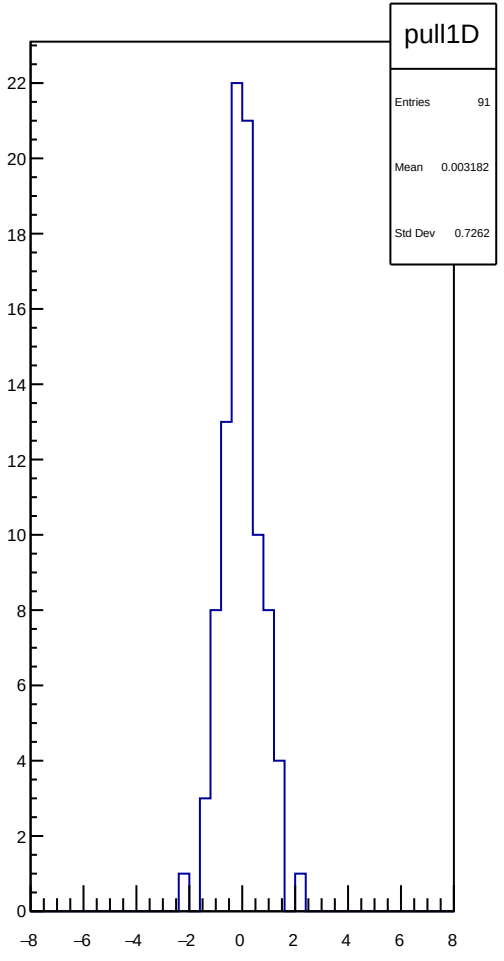

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 54.3 / 90
p0 −18.78 ± 0.03409
−18
−18.5
−19
−19.5
−20
pull
Entries 91
Mean −3820
Std Dev 3861
2
1
0
−1
−2
−3

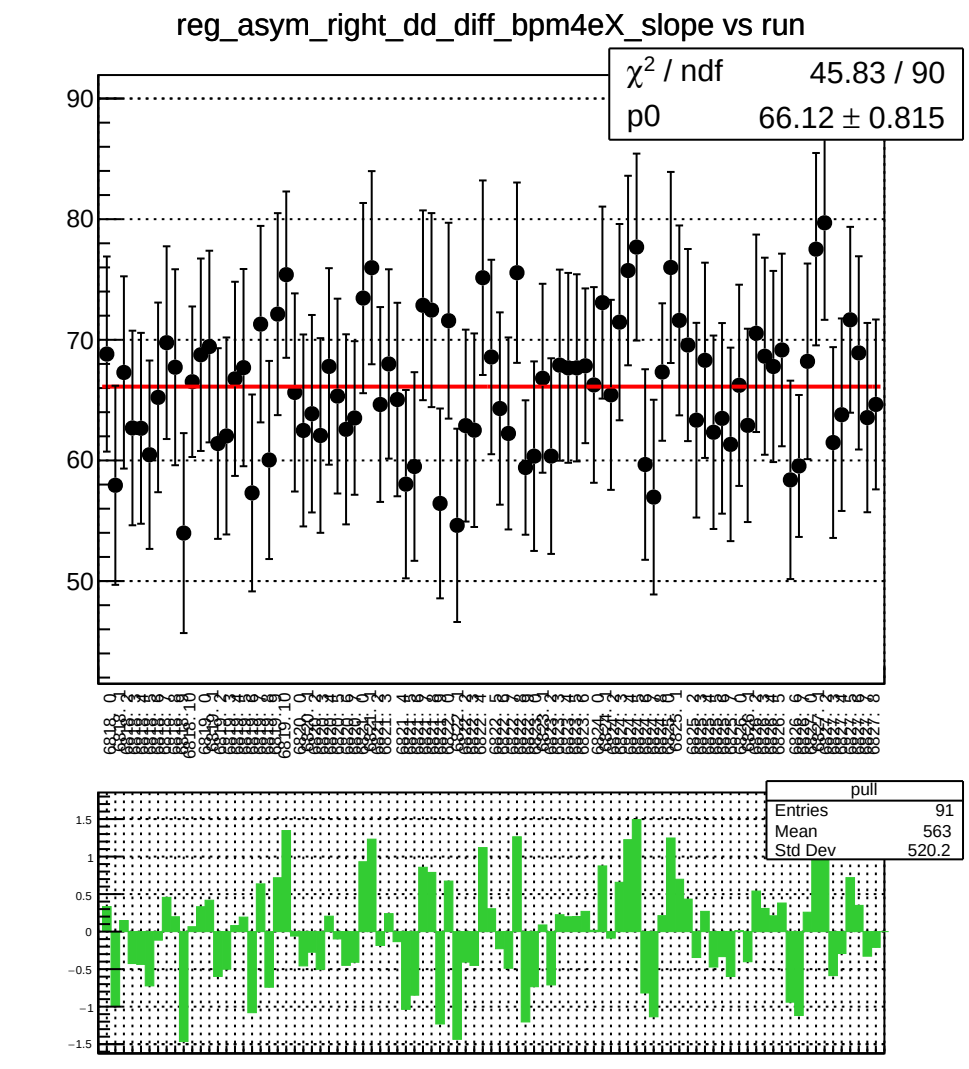

pull1D
Entries 91
Mean 0.001131
Std Dev 0.7725
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

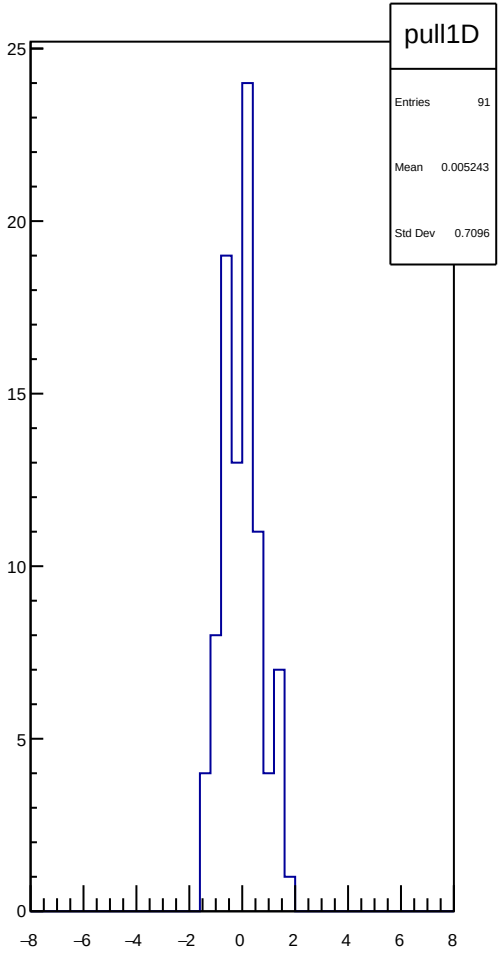

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 47.63 / 90
p0 −39 ± 0.8713
pull
Entries 91
Mean 675.6
Std Dev 631.6

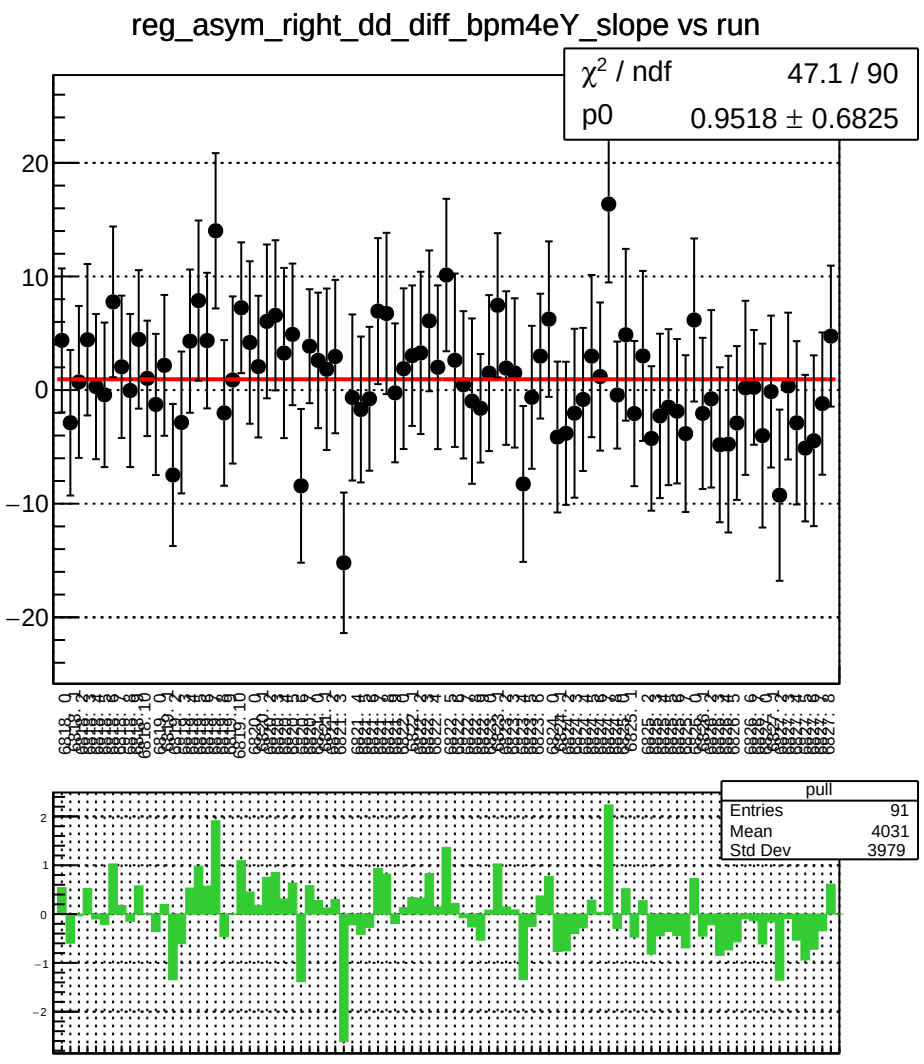

pull1D
Entries 91
Mean −0.004561
Std Dev 0.7235

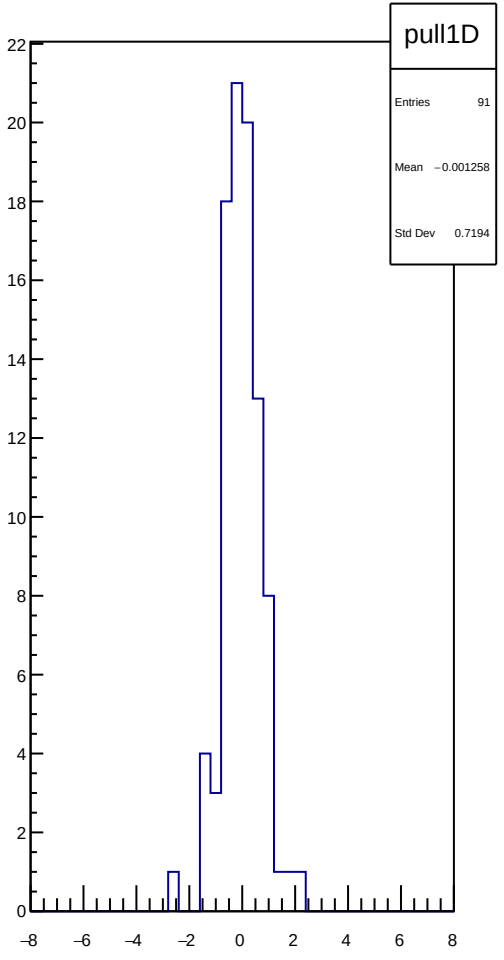

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.99 / 90
p0 5.434 ± 0.5886
pull
Entries 91
Mean 1346
Std Dev 1289

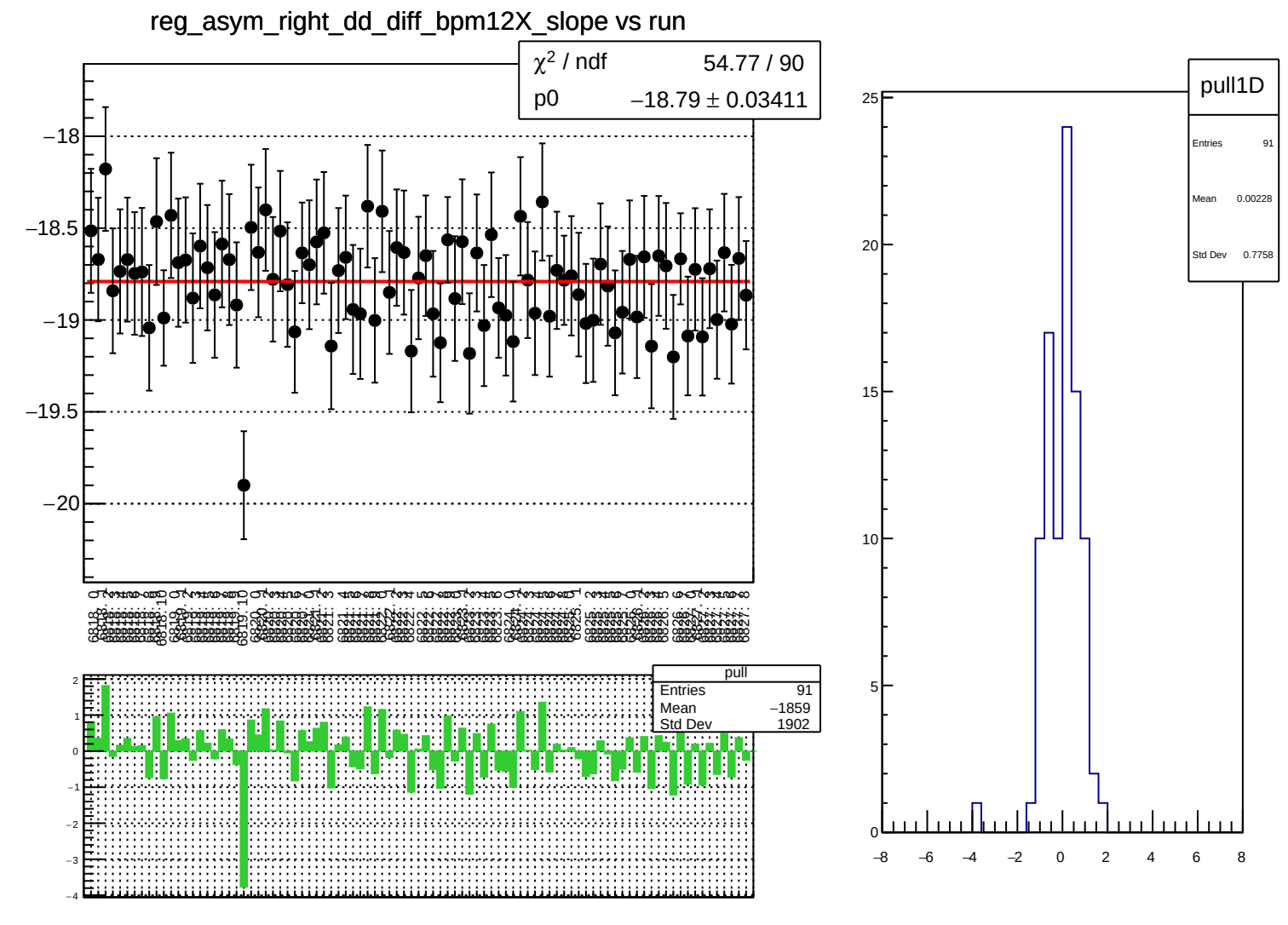

pull1D
Entries 91
Mean 0.003182
Std Dev 0.7262

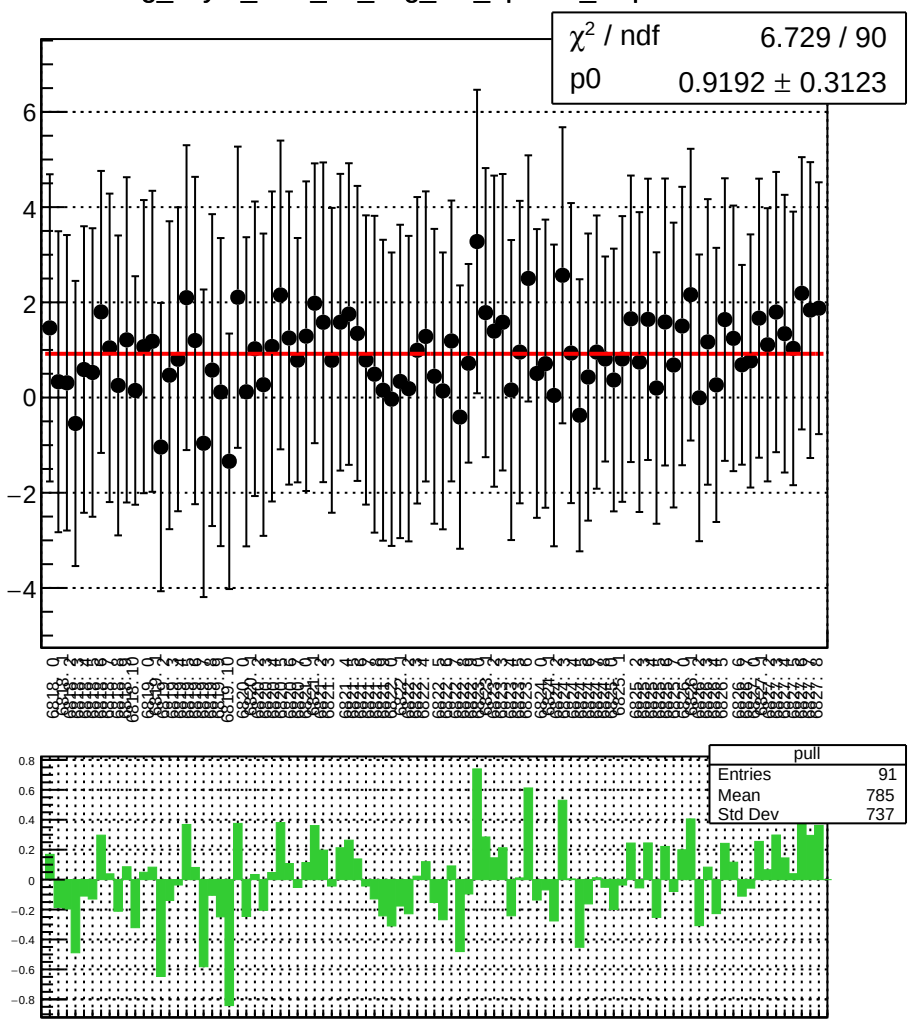

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.83 / 90
p0 66.12 ± 0.815
pull
Entries 91
Mean 563
Std Dev 520.2

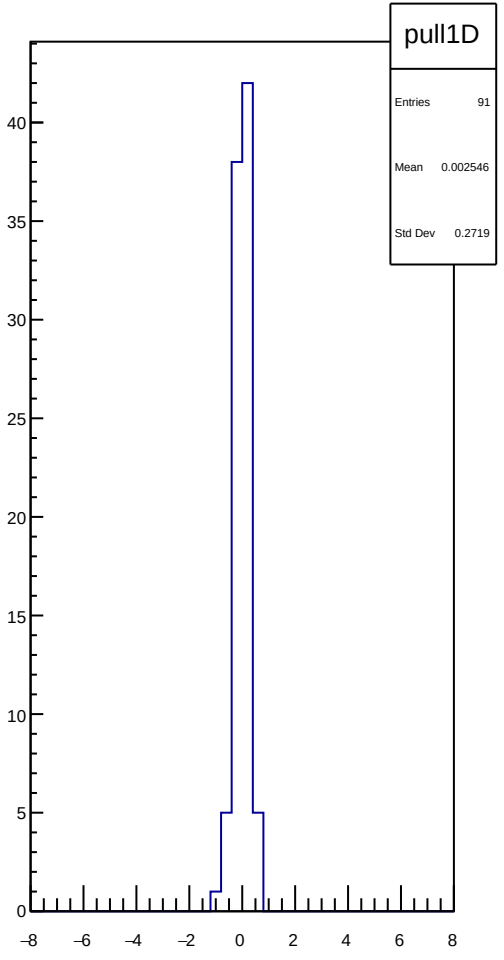

pull1D
Entries 91
Mean 0.005243
Std Dev 0.7096

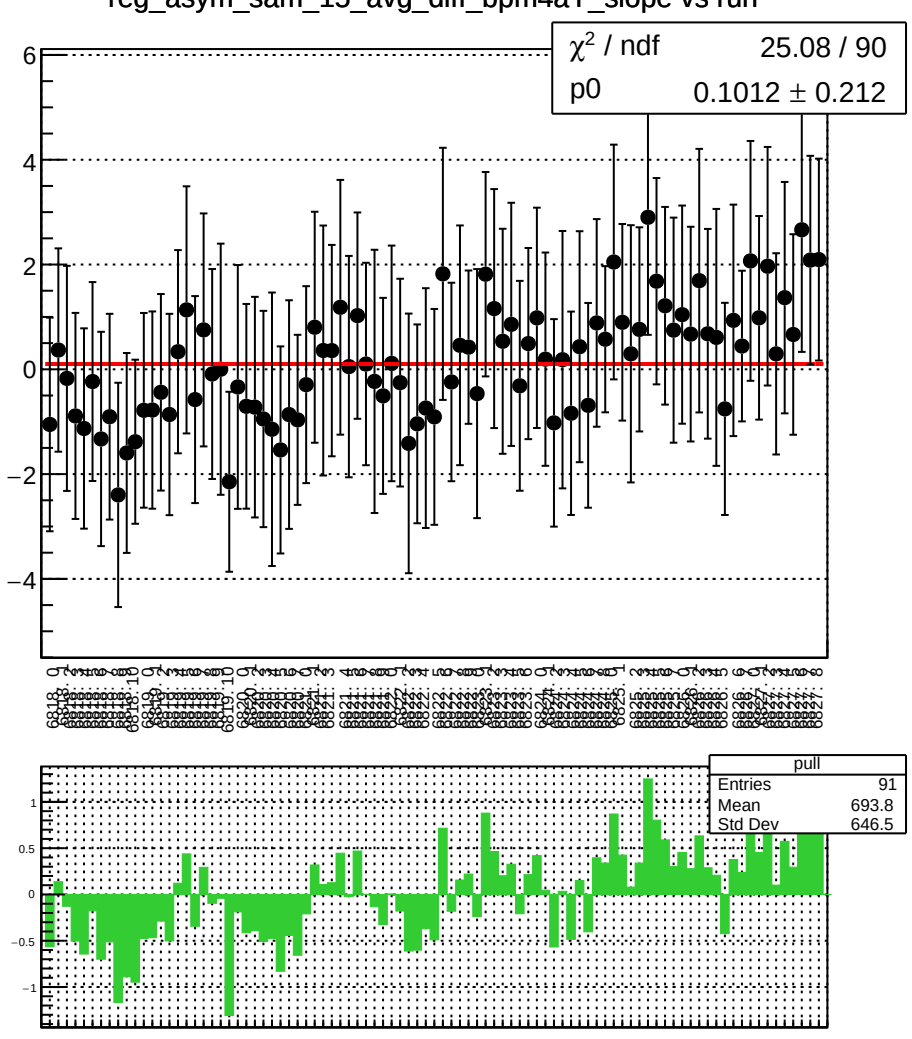

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.1 / 90
p0 0.9518 ± 0.6825
pull
Entries 91
Mean 4031
Std Dev 3979

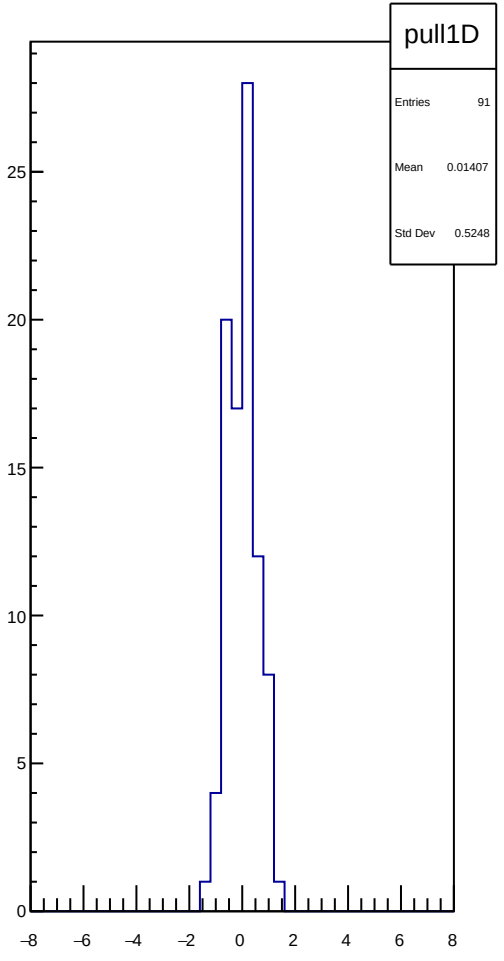

pull1D
Entries 91
Mean −0.001258
Std Dev 0.7194

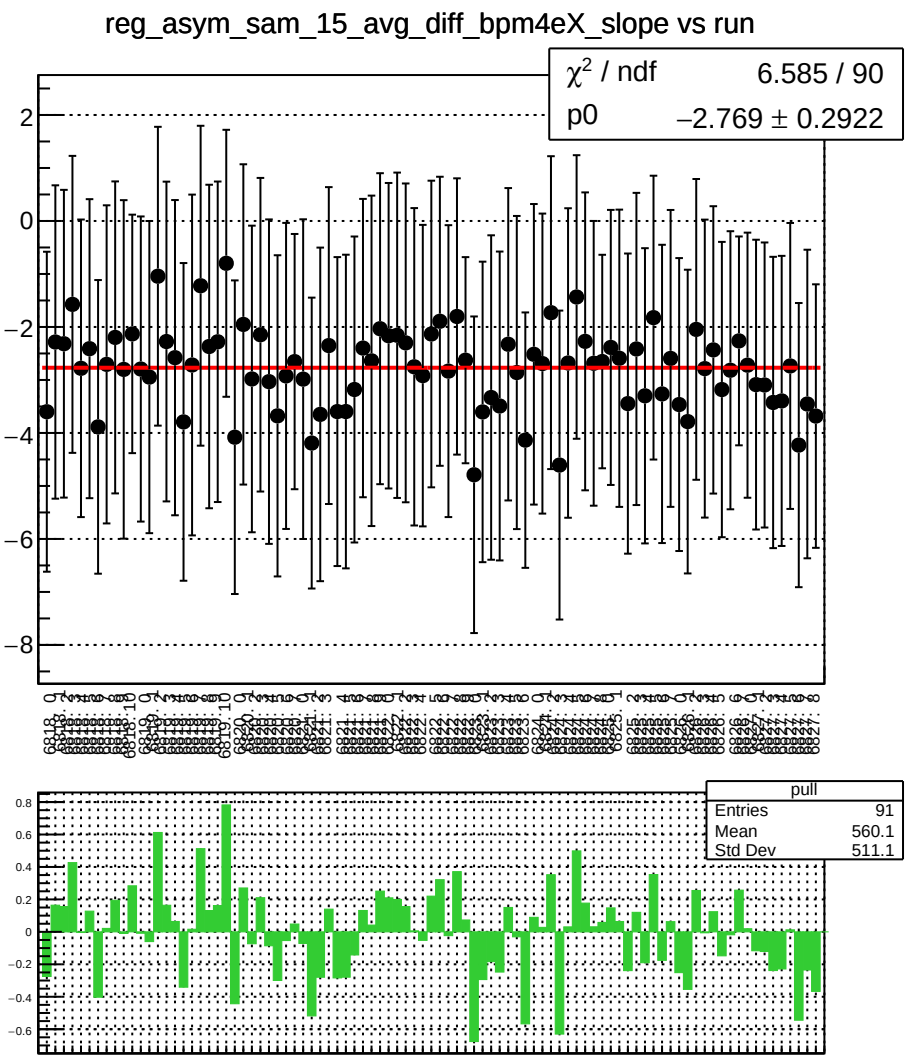

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 54.77 / 90
p0 −18.79 ± 0.03411
−18
−18.5
−19
−19.5
−20
pull
Entries 91
Mean −1859
Std Dev 1902
pull1D
Entries 91
Mean 0.00228
Std Dev 0.7758
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

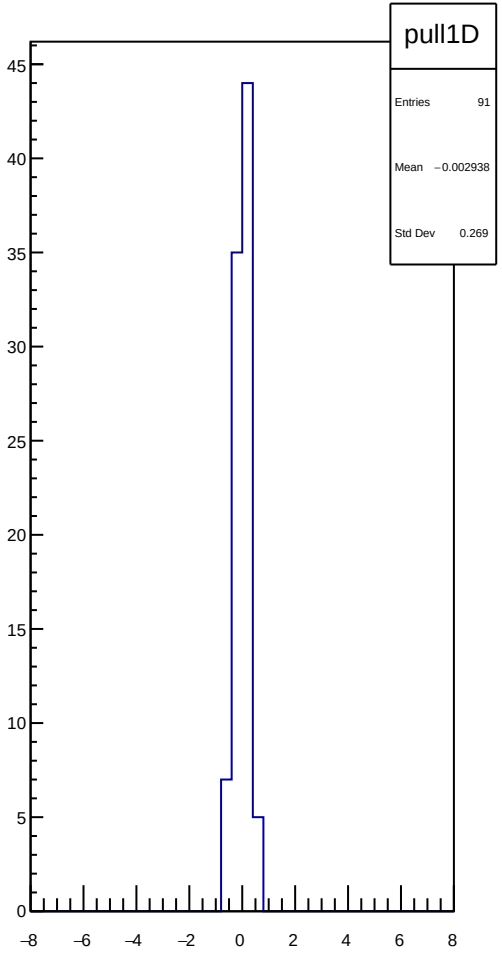

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 6.729 / 90
p0 0.9192 ± 0.3123
pull
Entries 91
Mean 785
Std Dev 737

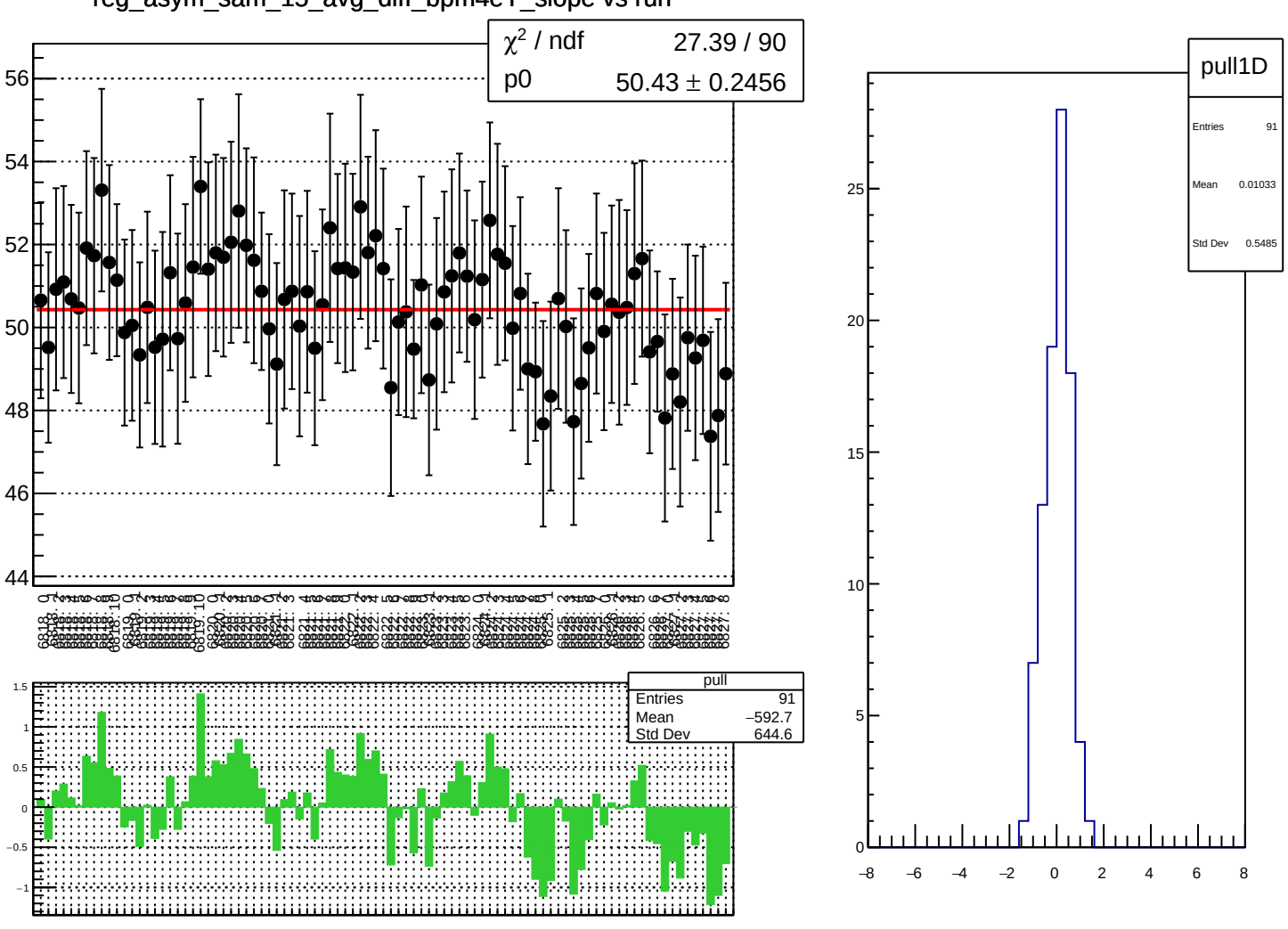

pull1D
Entries 91
Mean 0.002546
Std Dev 0.2719

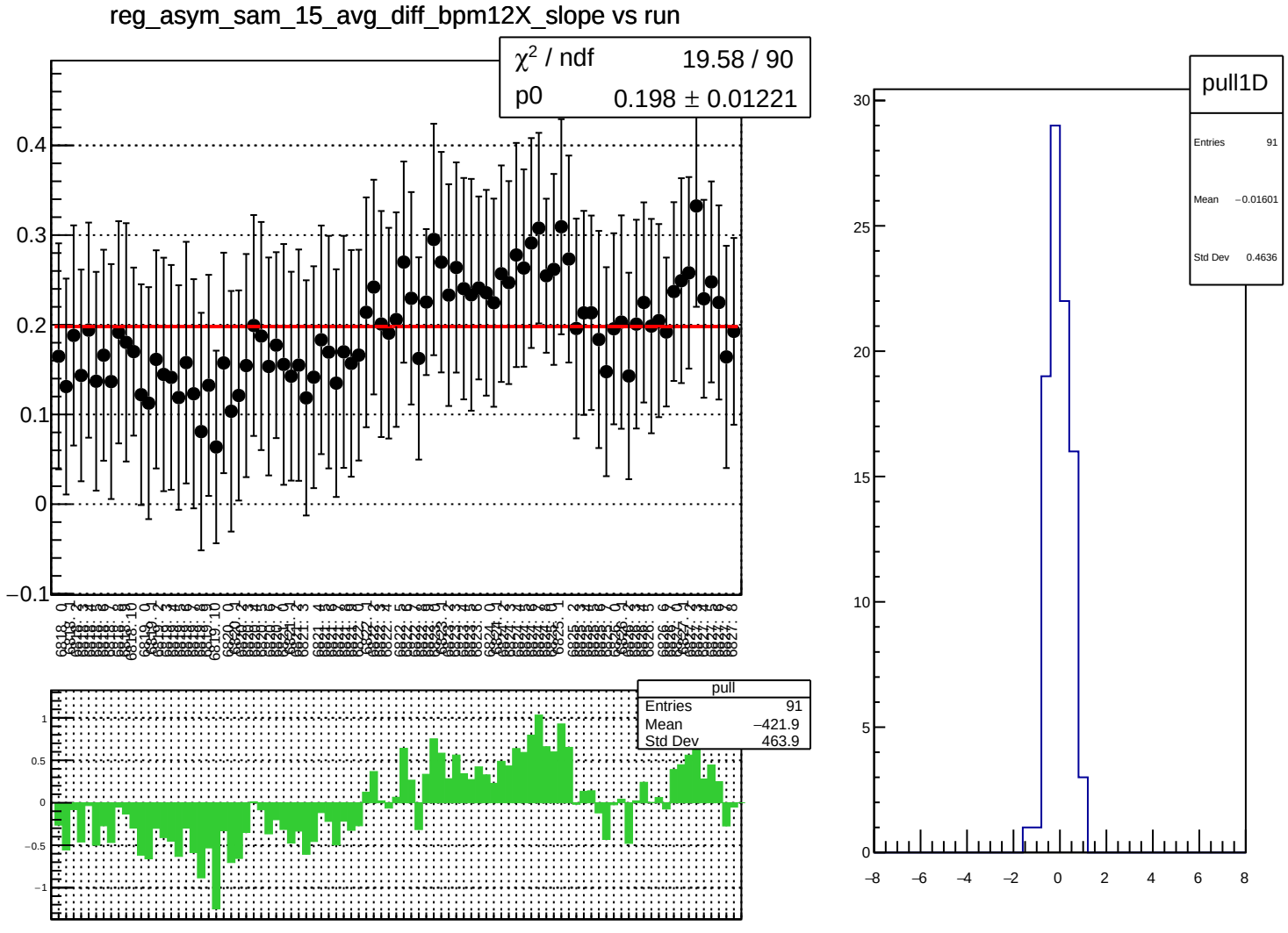

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.08 / 90
p0 0.1012 ± 0.212
pull
Entries 91
Mean 693.8
Std Dev 646.5

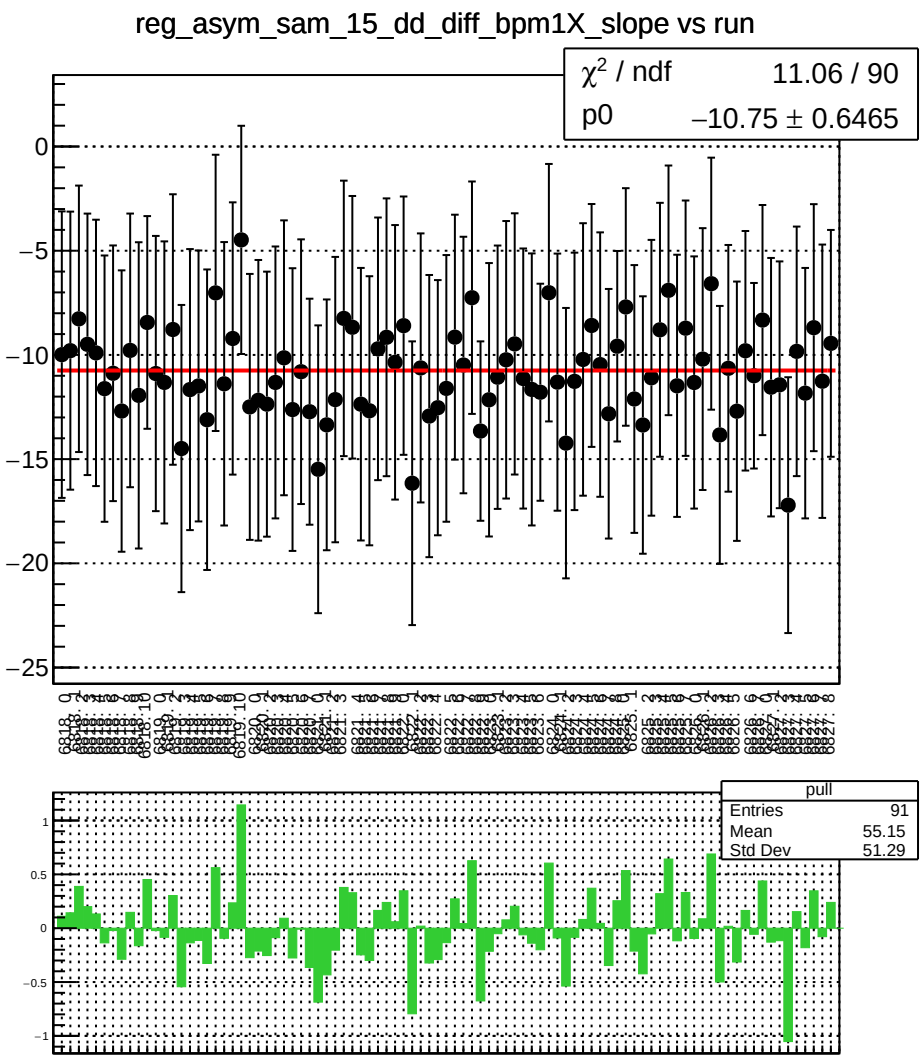

pull1D
Entries 91
Mean 0.01407
Std Dev 0.5248

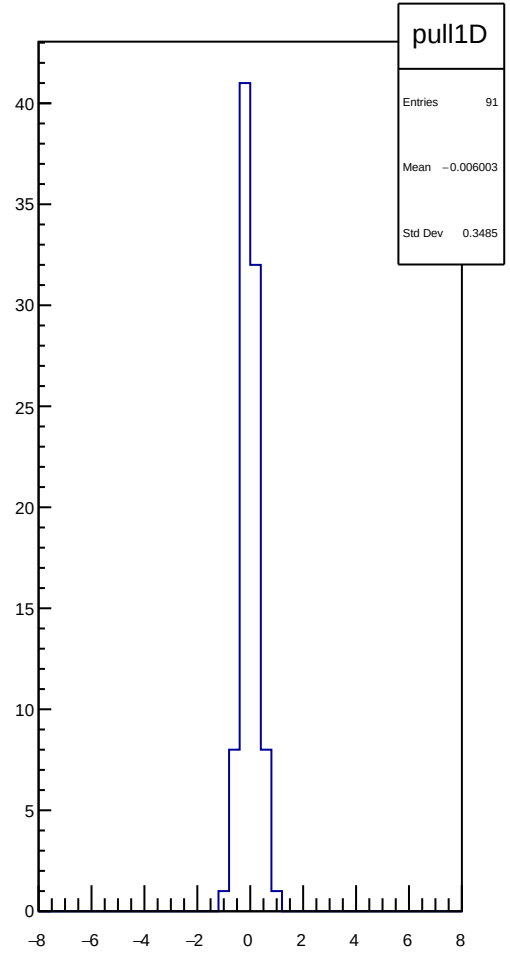

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.585 / 90
p0 −2.769 ± 0.2922
pull
Entries 91
Mean 560.1
Std Dev 511.1

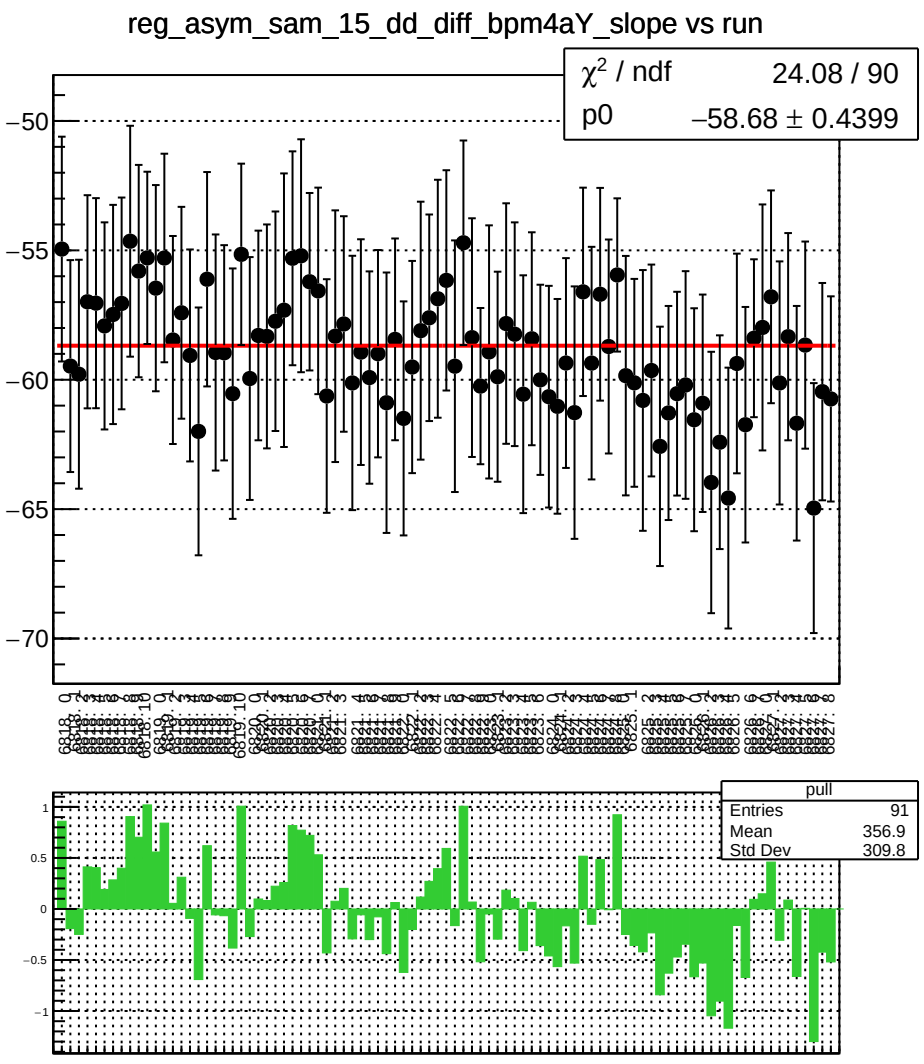

pull1D
Entries 91
Mean −0.002938
Std Dev 0.269

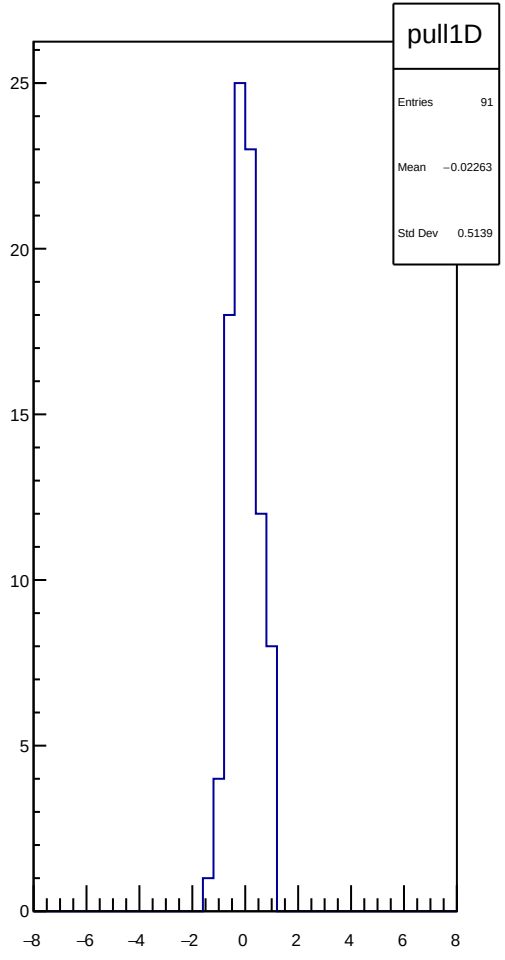

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.39 / 90
p0 50.43 ± 0.2456
pull
Entries 91
Mean −592.7
Std Dev 644.6
pull1D
Entries 91
Mean 0.01033
Std Dev 0.5485

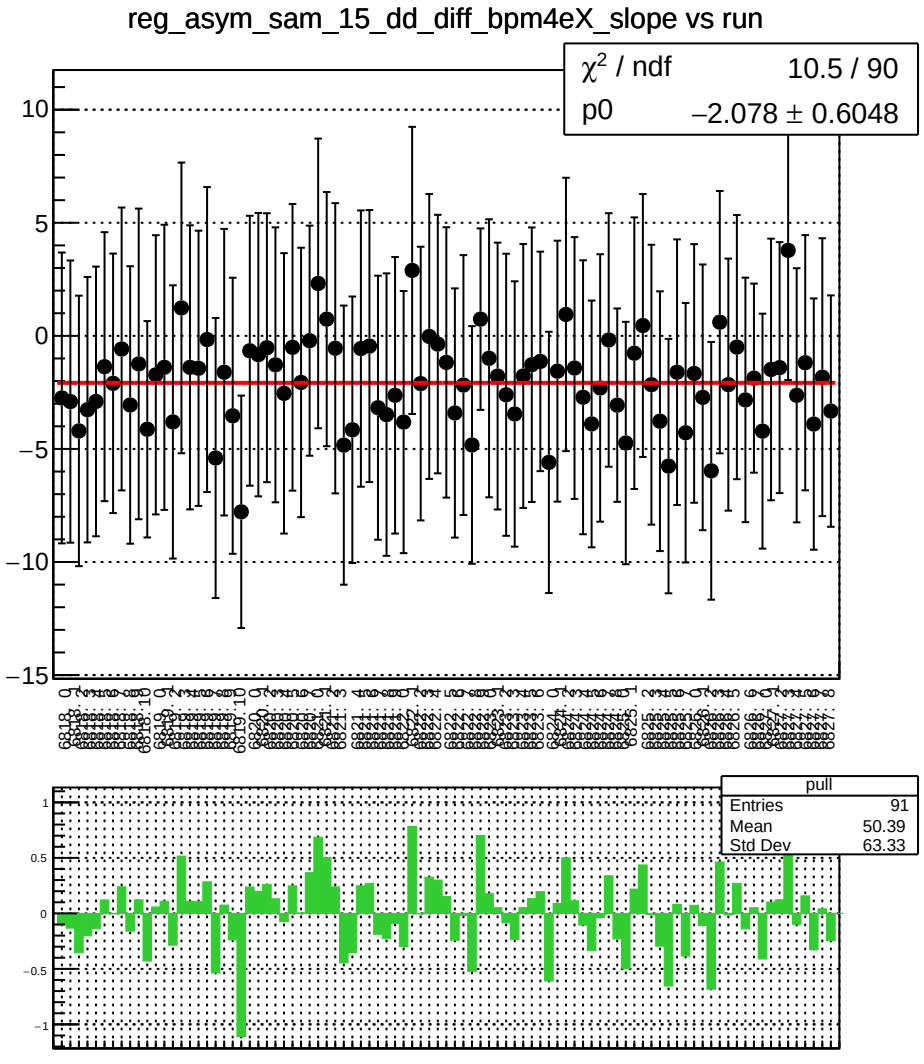

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 19.58 / 90
p0 0.198 ± 0.01221
pull
Entries 91
Mean −421.9
Std Dev 463.9
pull1D
Entries 91
Mean −0.01601
Std Dev 0.4636

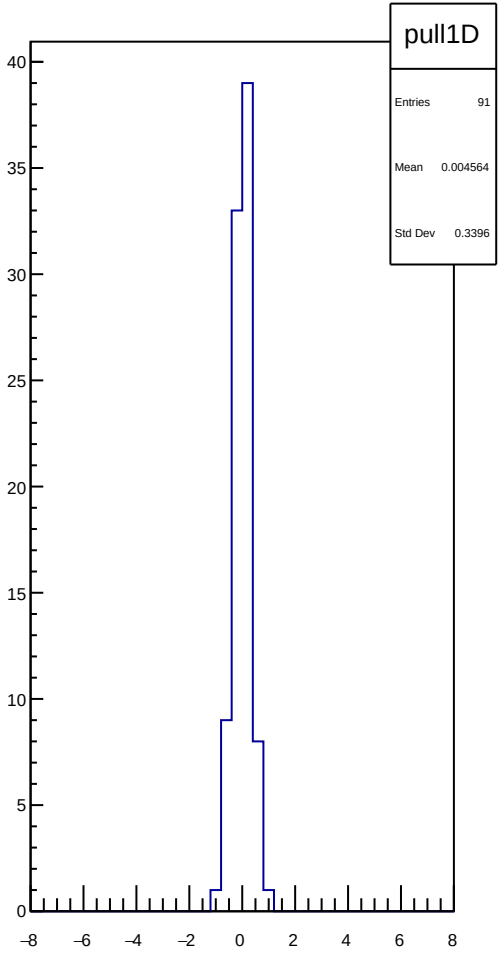

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 11.06 / 90
p0 −10.75 ± 0.6465
pull
Entries 91
Mean 55.15
Std Dev 51.29

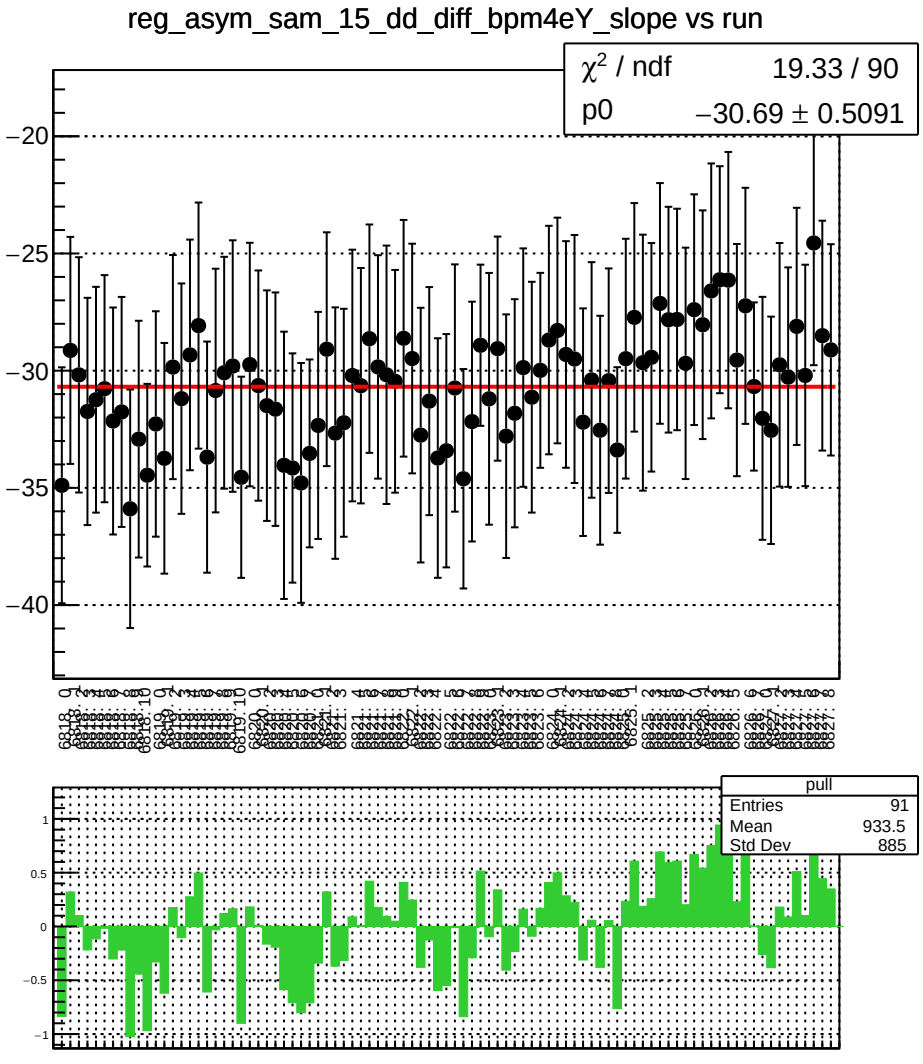

pull1D
Entries 91
Mean −0.006003
Std Dev 0.3485

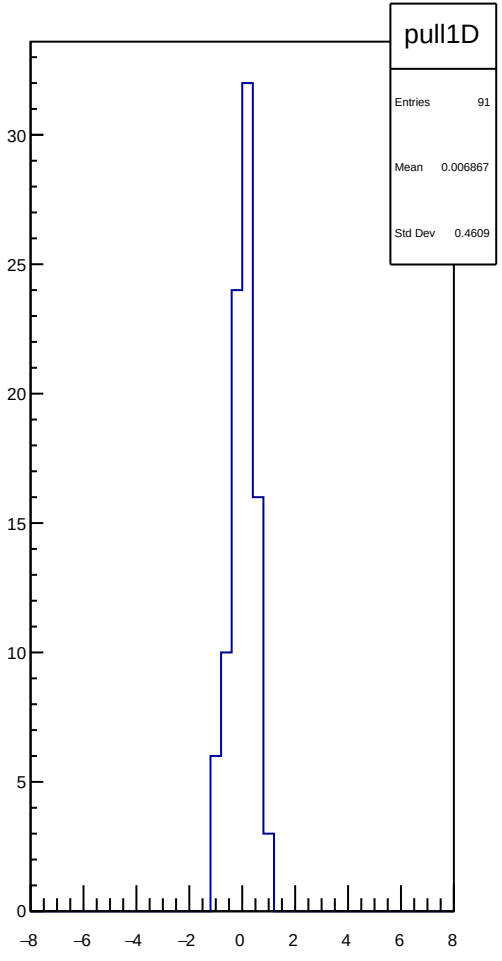

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.08 / 90
p0 −58.68 ± 0.4399
−50
−55
−60
−65
−70
pull
Entries 91
Mean 356.9
Std Dev 309.8
1
0.5
0
−0.5
−1

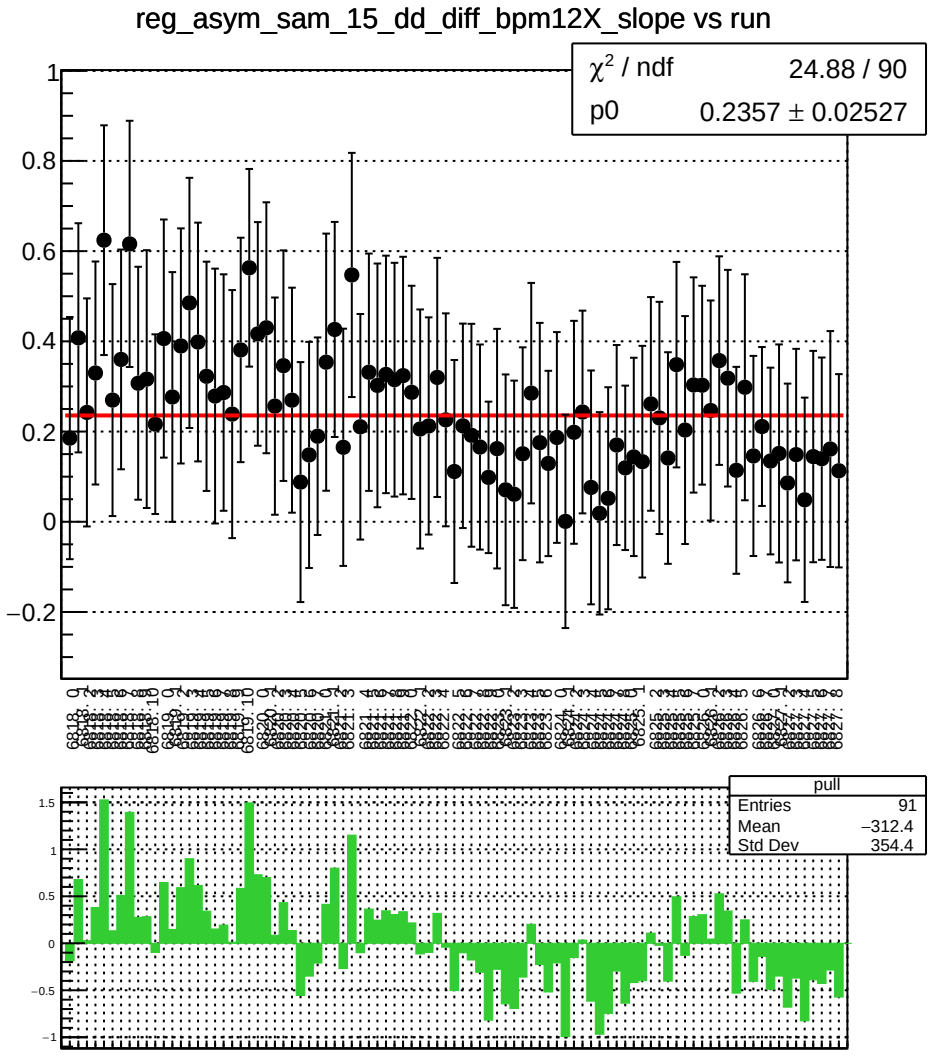

pull1D
Entries 91
Mean −0.02263
Std Dev 0.5139
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

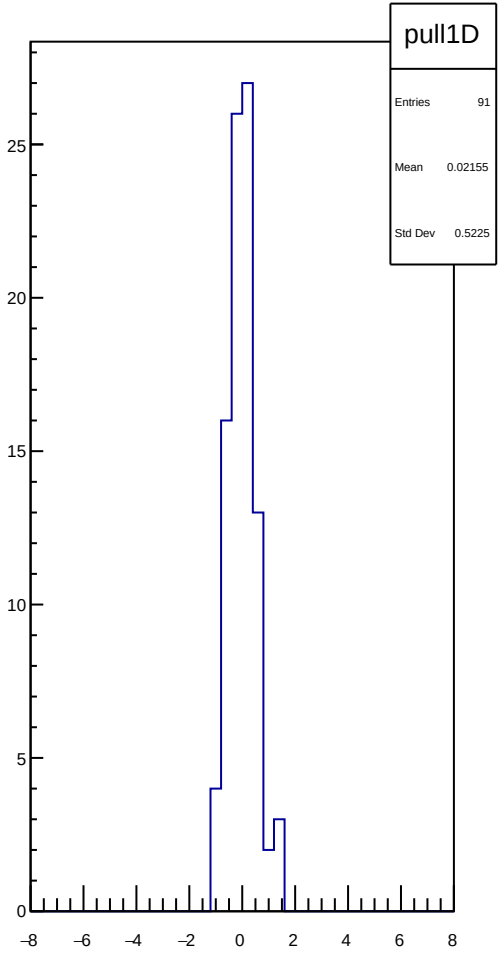

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.5 / 90
p0 −2.078 ± 0.6048
pull
Entries 91
Mean 50.39
Std Dev 63.33

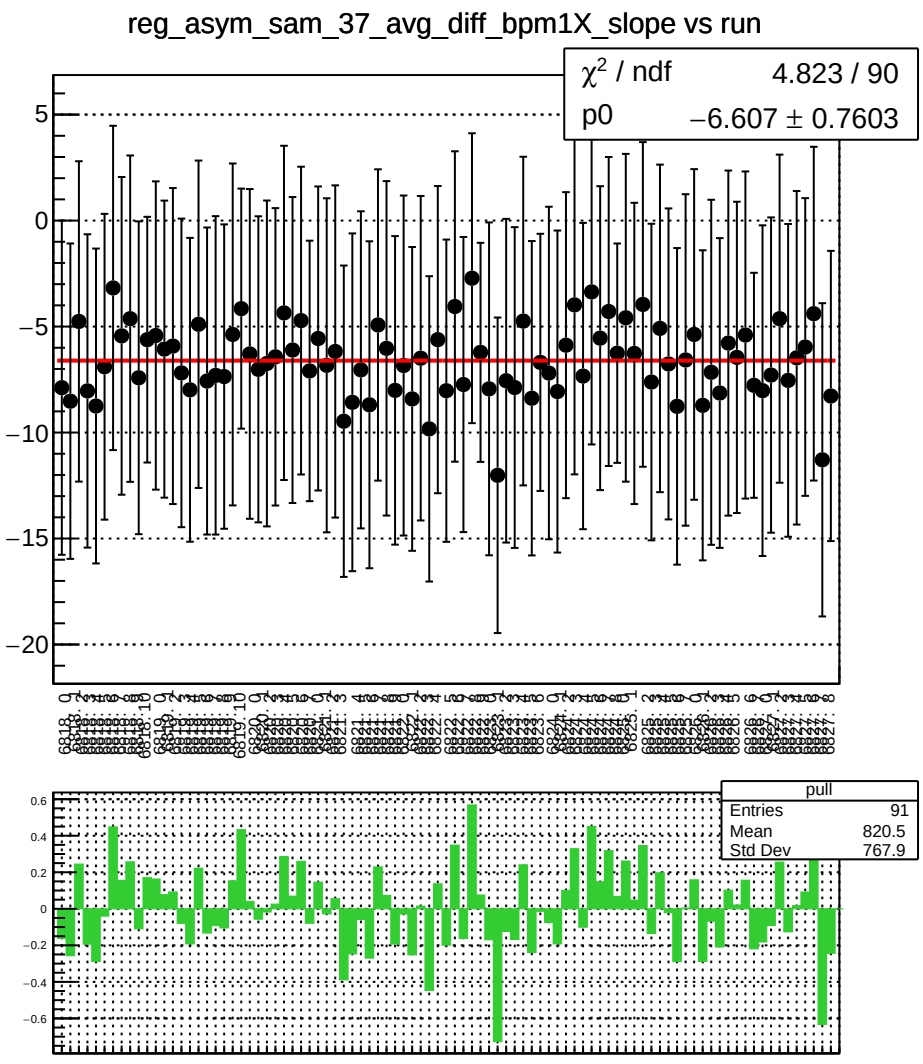

pull1D
Entries 91
Mean 0.004564
Std Dev 0.3396

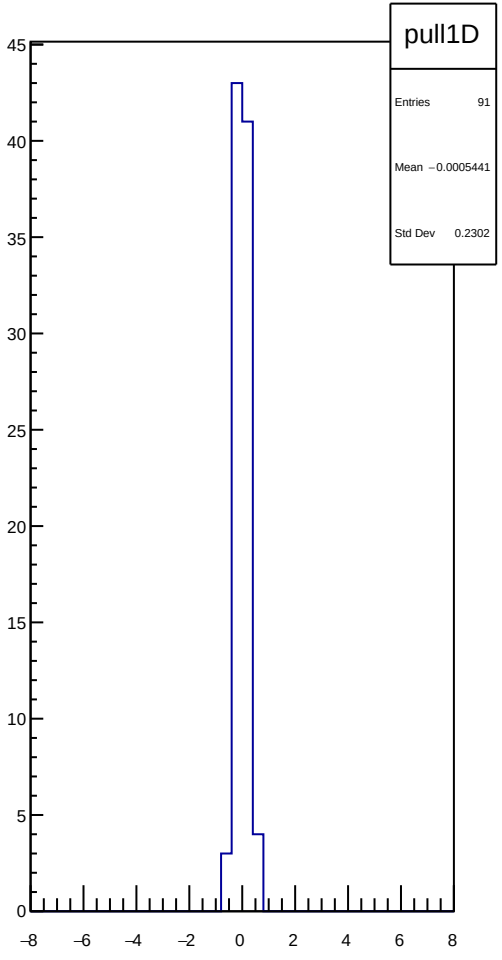

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.33 / 90
p0 −30.69 ± 0.5091
pull
Entries 91
Mean 933.5
Std Dev 885

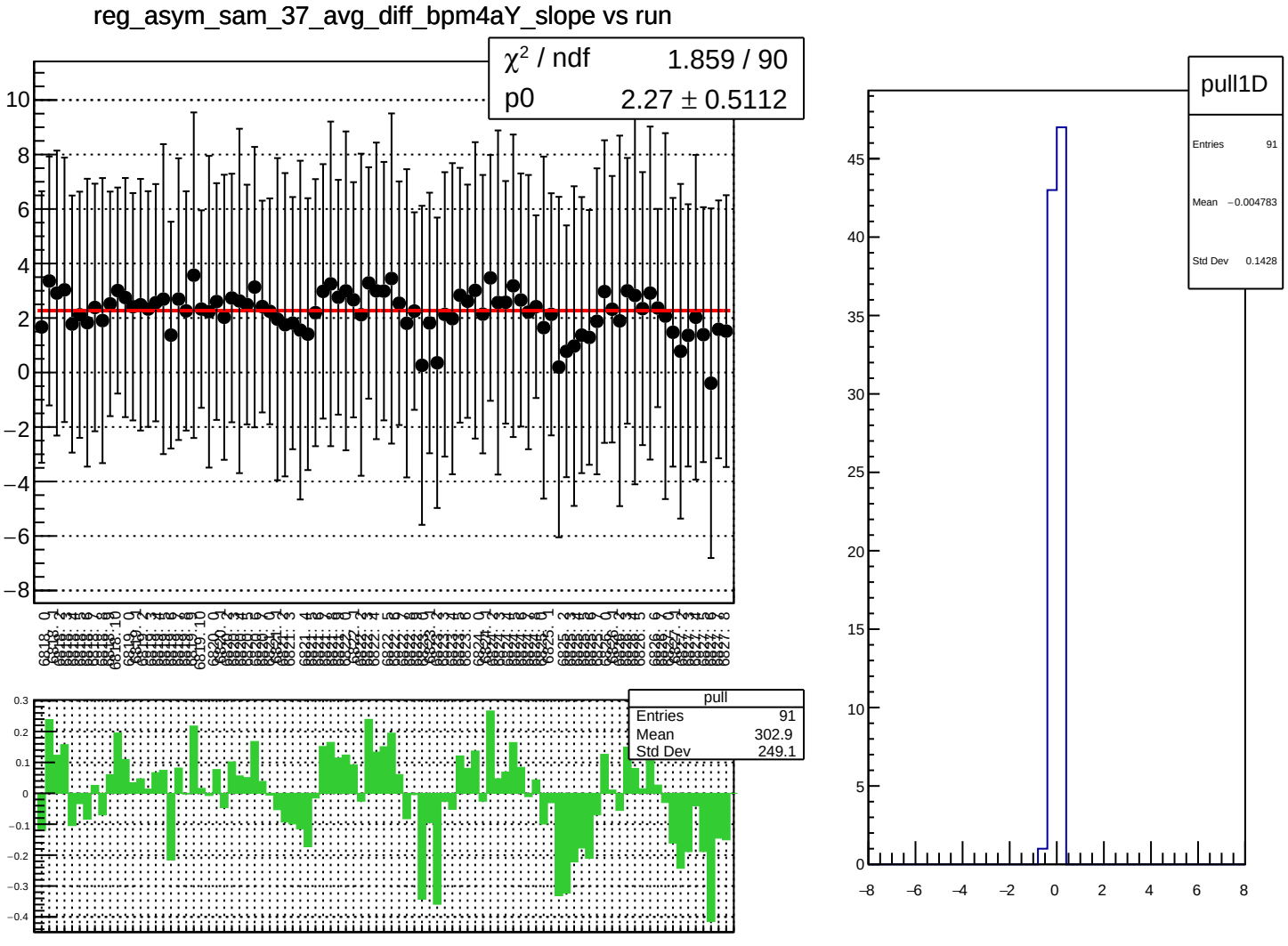

pull1D
Entries 91
Mean 0.006867
Std Dev 0.4609

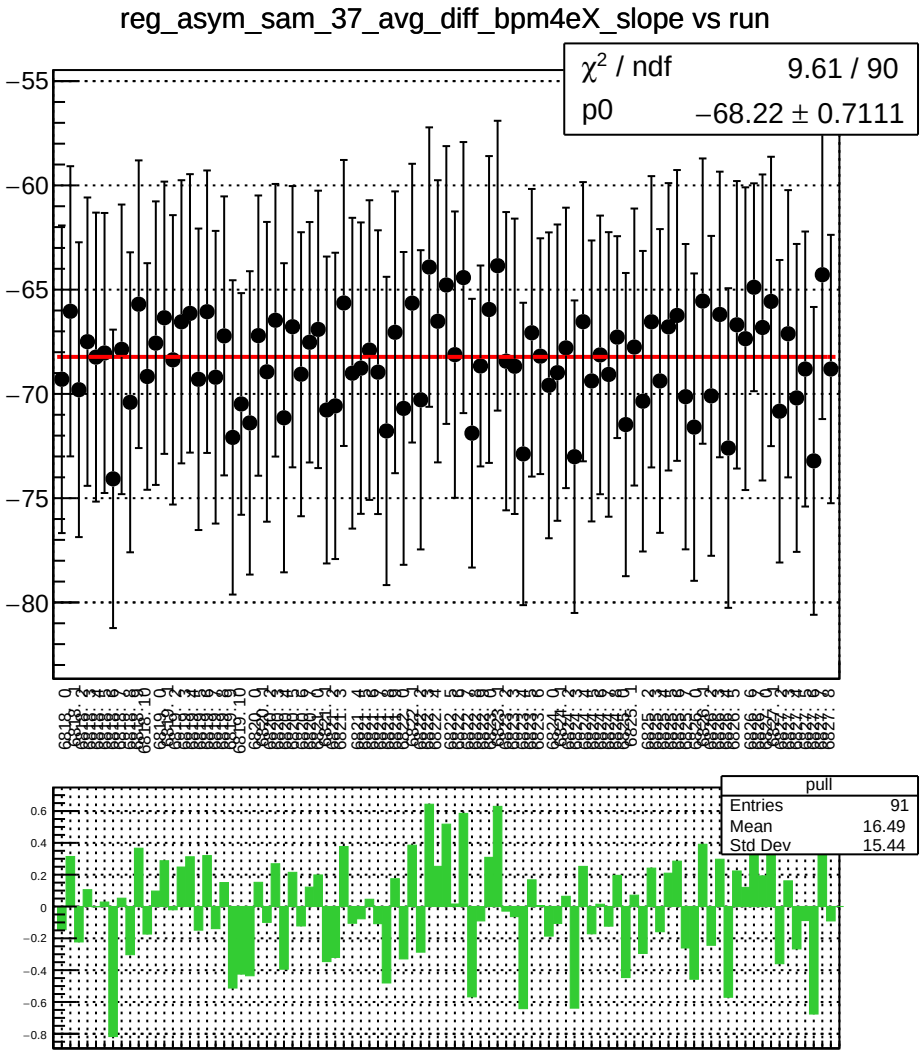

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 24.88 / 90
p0 0.2357 ± 0.02527
pull
Entries 91
Mean −312.4
Std Dev 354.4

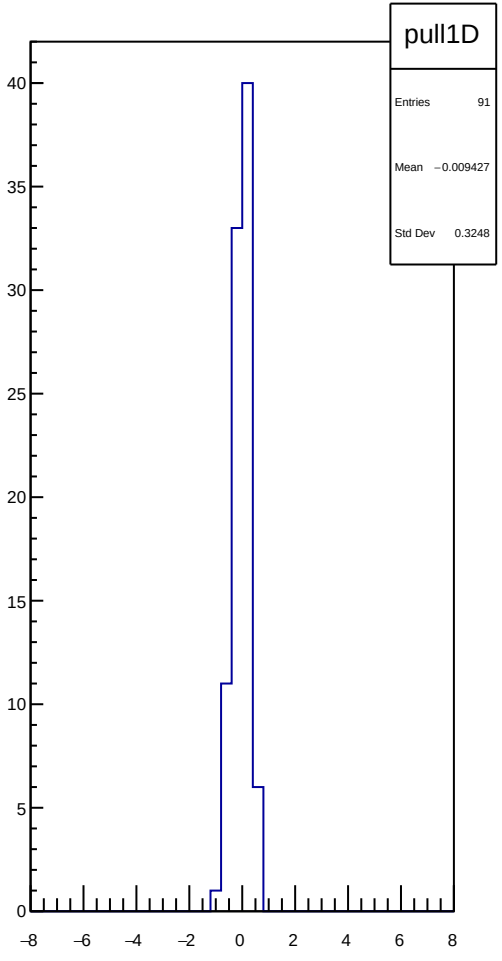

pull1D
Entries 91
Mean 0.02155
Std Dev 0.5225

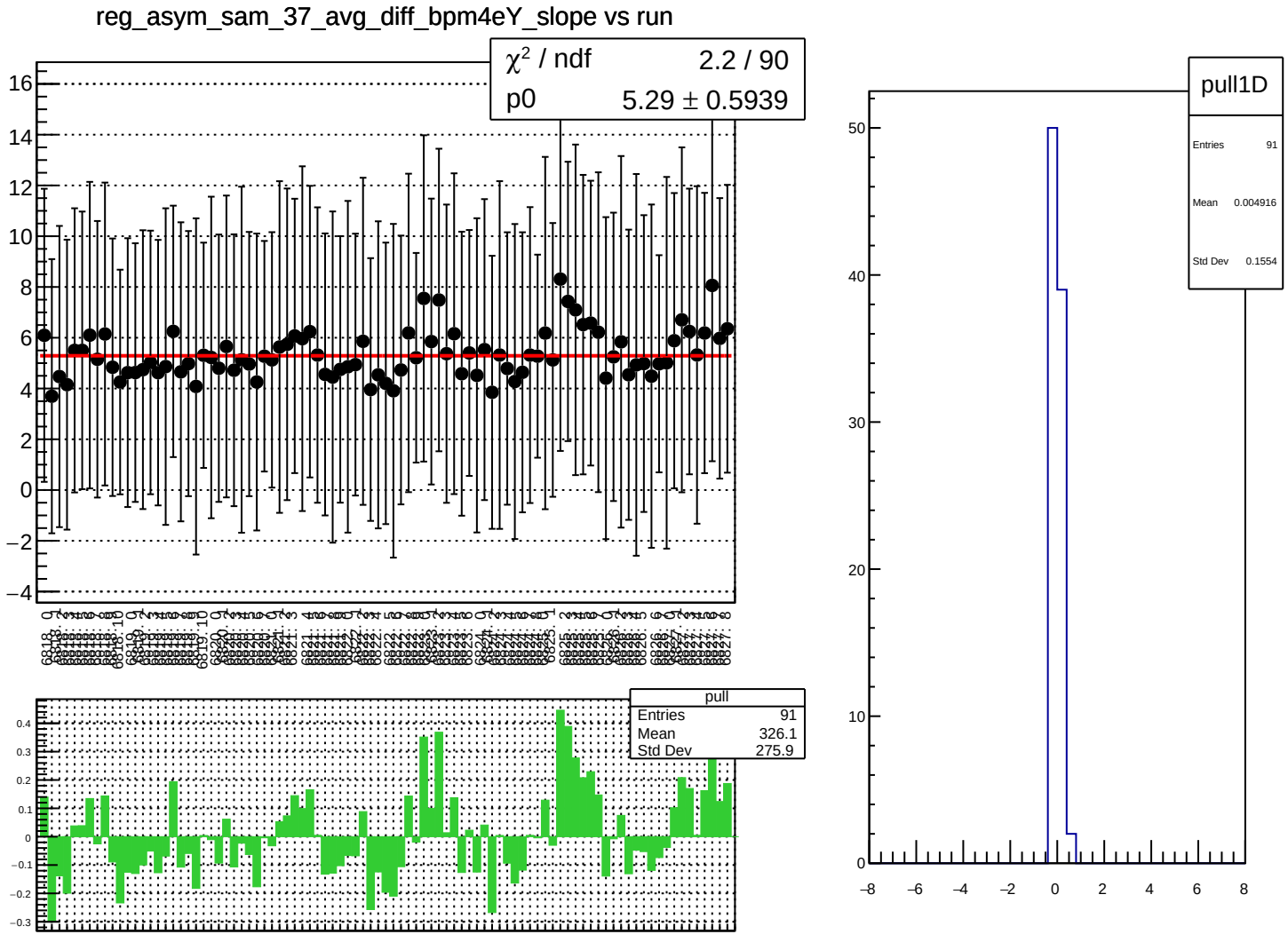

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 4.823 / 90
p0 −6.607 ± 0.7603
pull
Entries 91
Mean 820.5
Std Dev 767.9

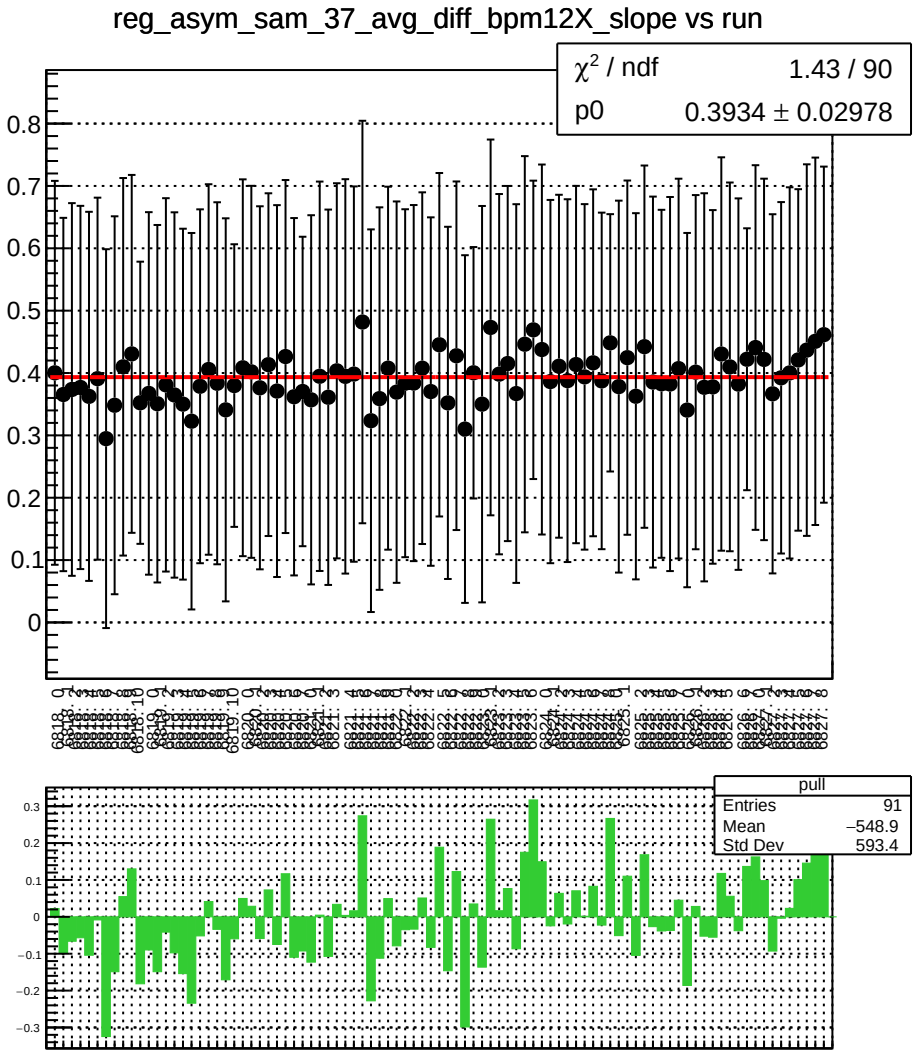

pull1D
Entries 91
Mean −0.0005441
Std Dev 0.2302

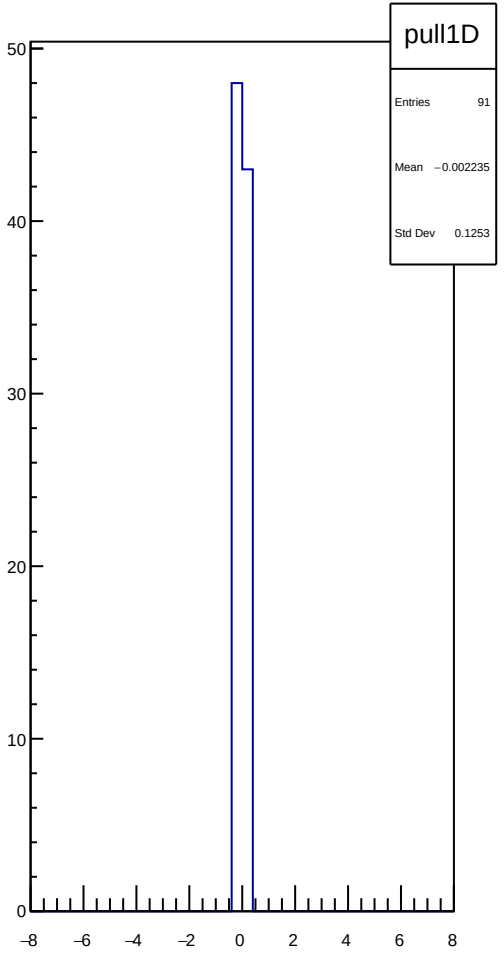

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.859 / 90
p0 2.27 ± 0.5112
pull
Entries 91
Mean 302.9
Std Dev 249.1
pull1D
Entries 91
Mean −0.004783
Std Dev 0.1428

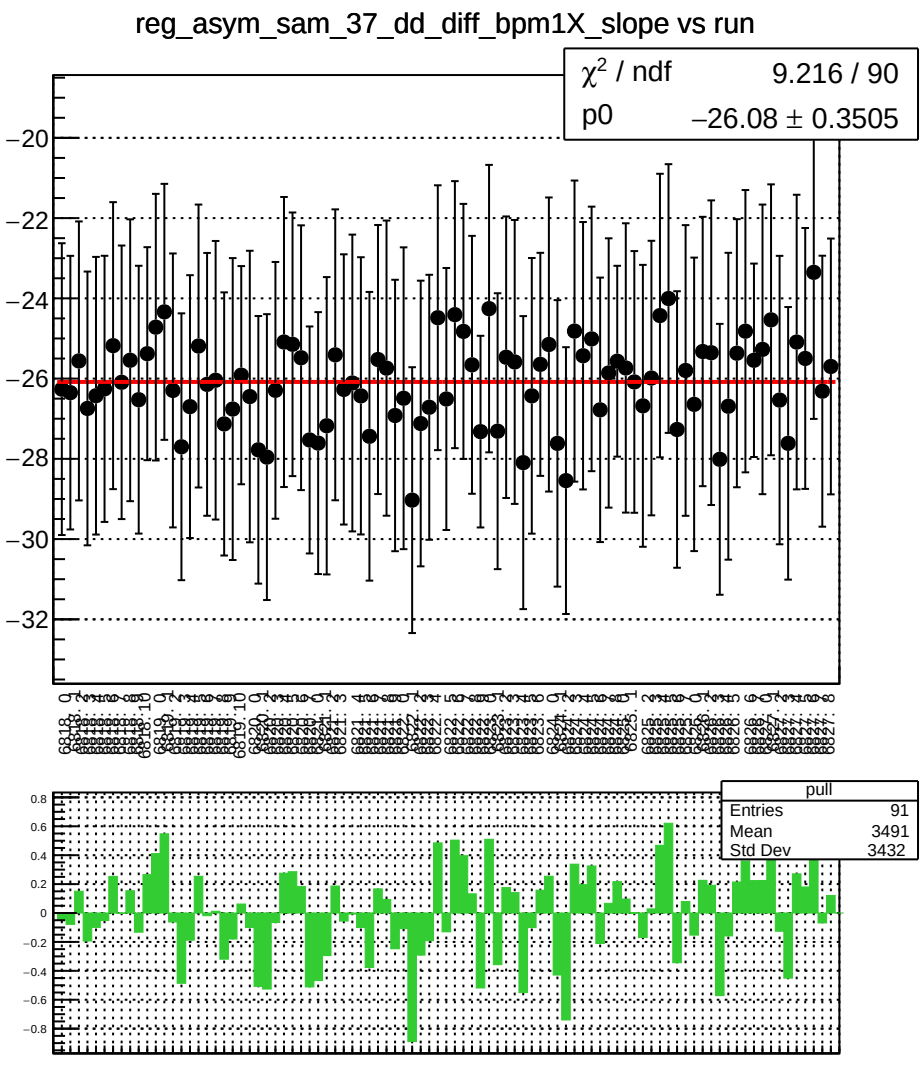

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.61 / 90
p0 −68.22 ± 0.7111
pull
Entries 91
Mean 16.49
Std Dev 15.44

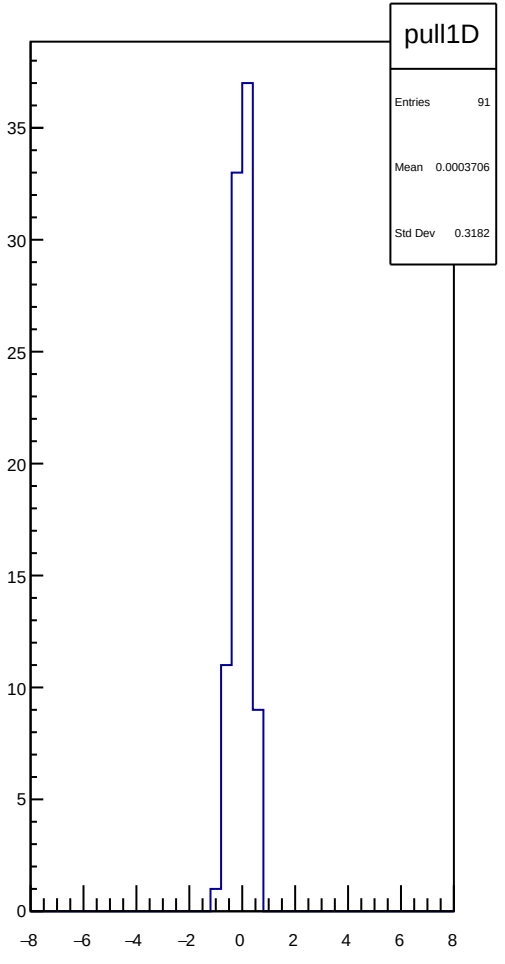

pull1D
Entries 91
Mean −0.009427
Std Dev 0.3248

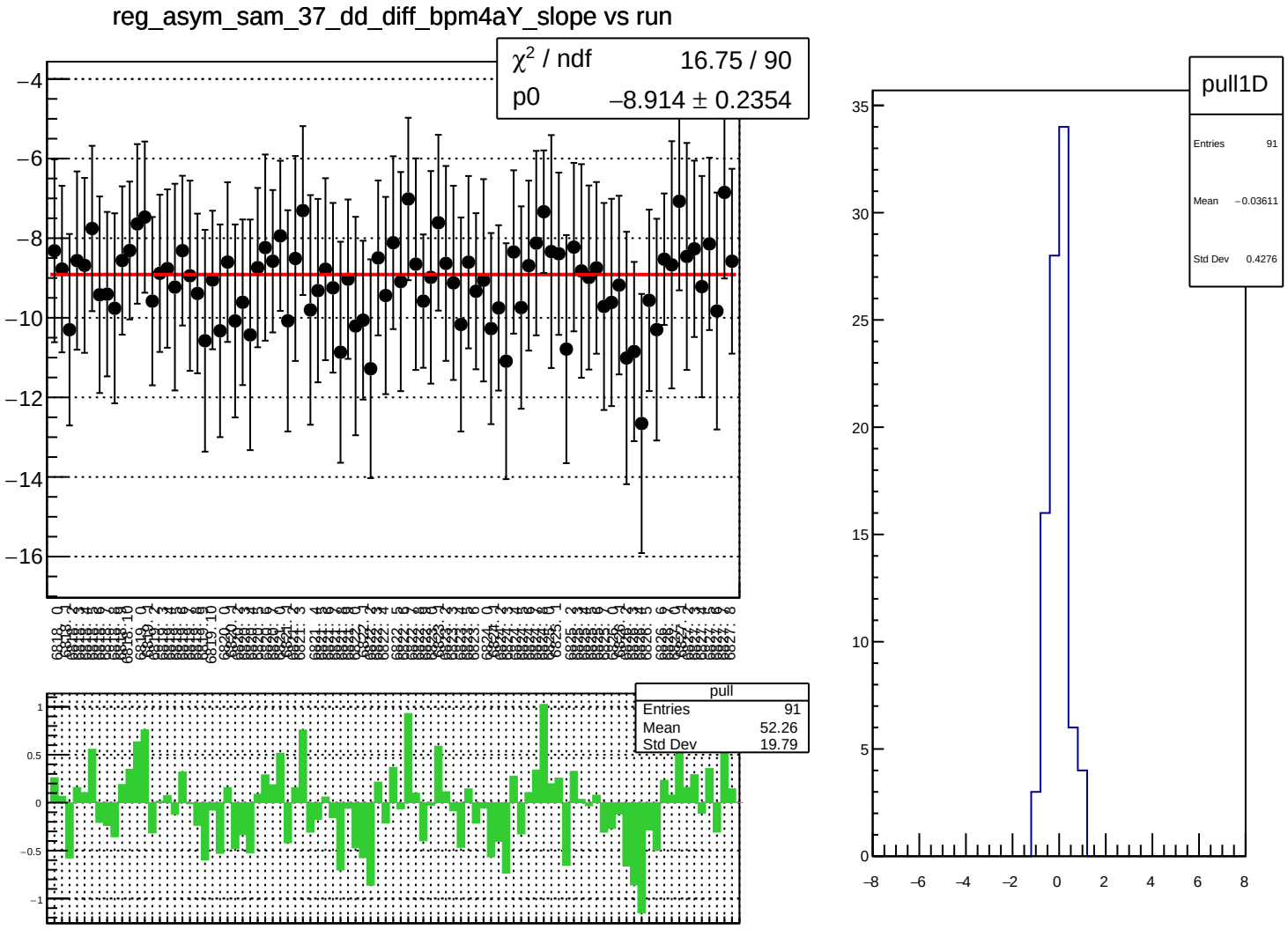

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.2 / 90
p0 5.29 ± 0.5939
pull
Entries 91
Mean 326.1
Std Dev 275.9
pull1D
Entries 91
Mean 0.004916
Std Dev 0.1554

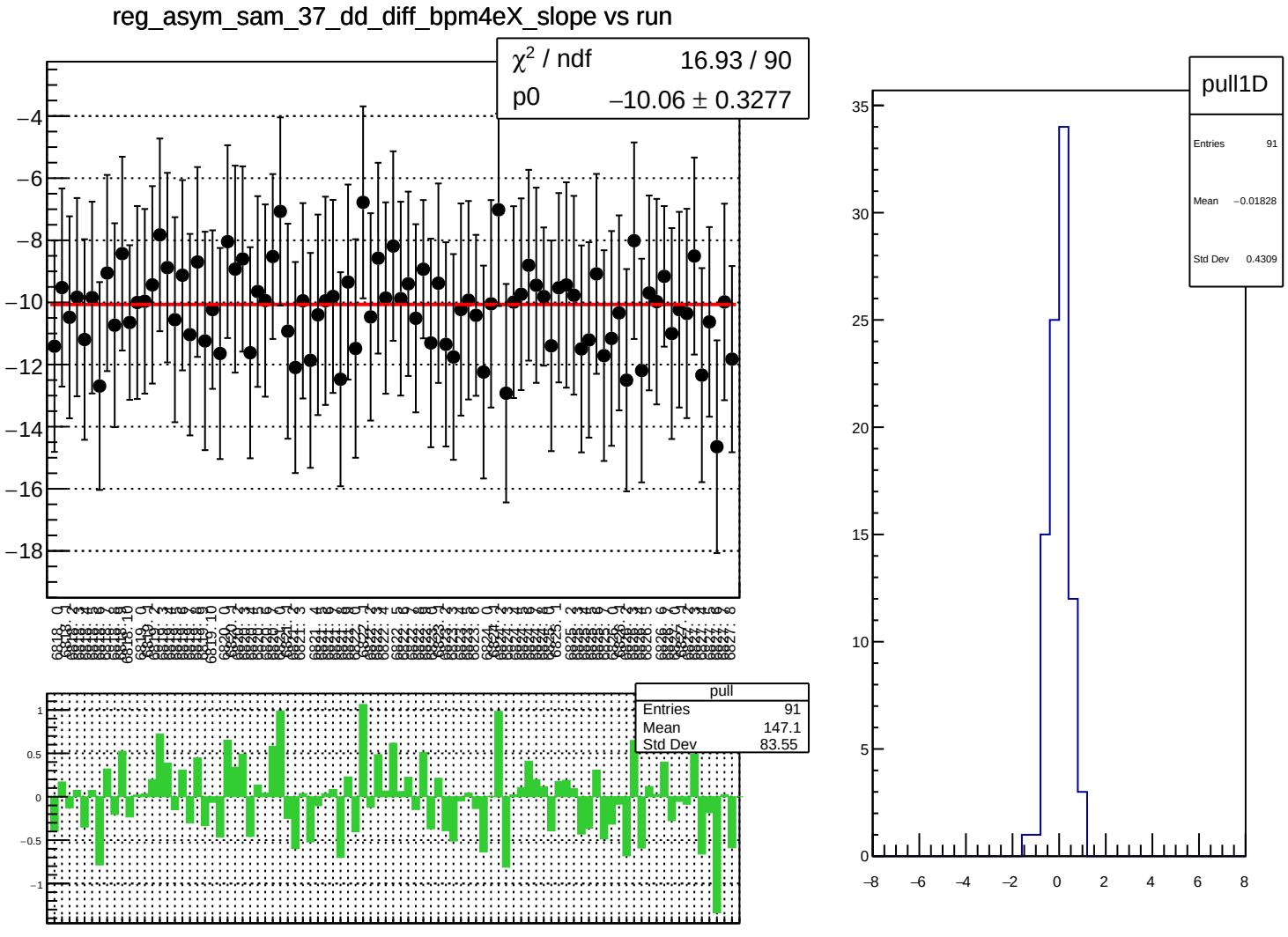

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.43 / 90
p0 0.3934 ± 0.02978
pull
Entries 91
Mean −548.9
Std Dev 593.4

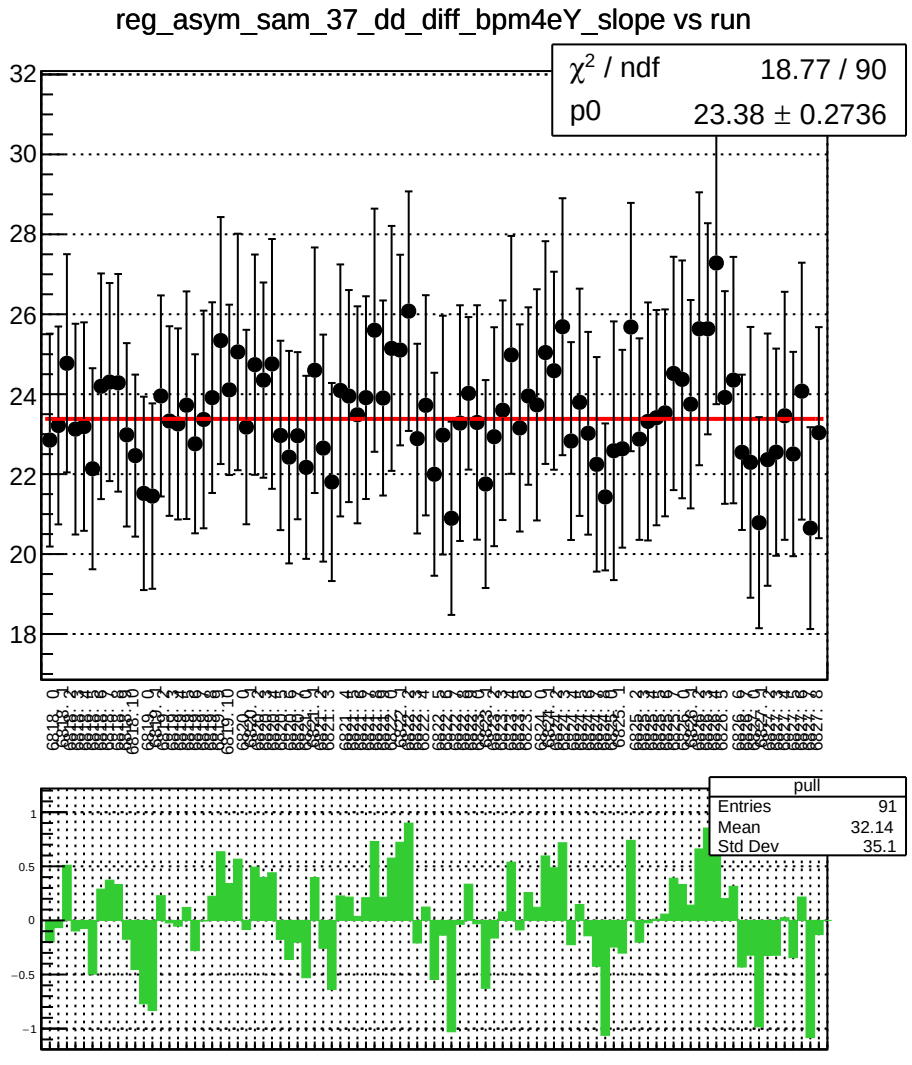

pull1D
Entries 91
Mean −0.002235
Std Dev 0.1253

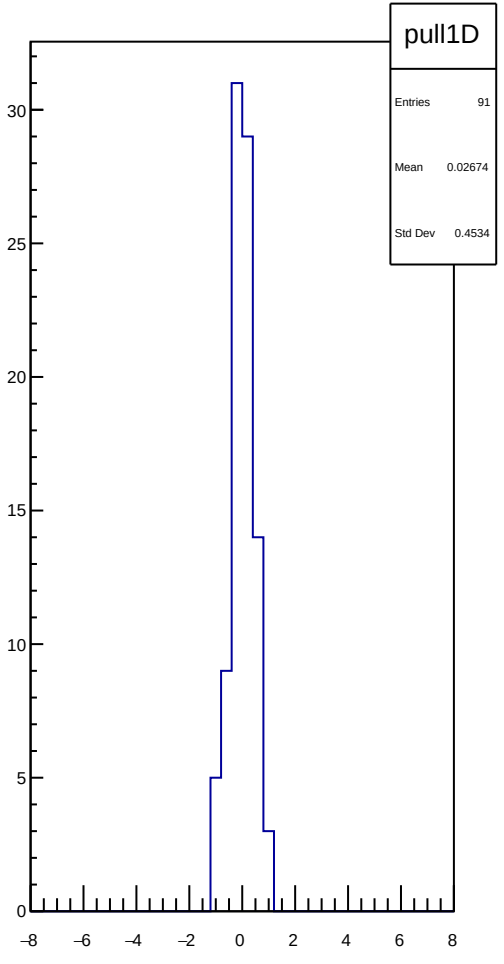

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 9.216 / 90
p0 −26.08 ± 0.3505
pull
Entries 91
Mean 3491
Std Dev 3432

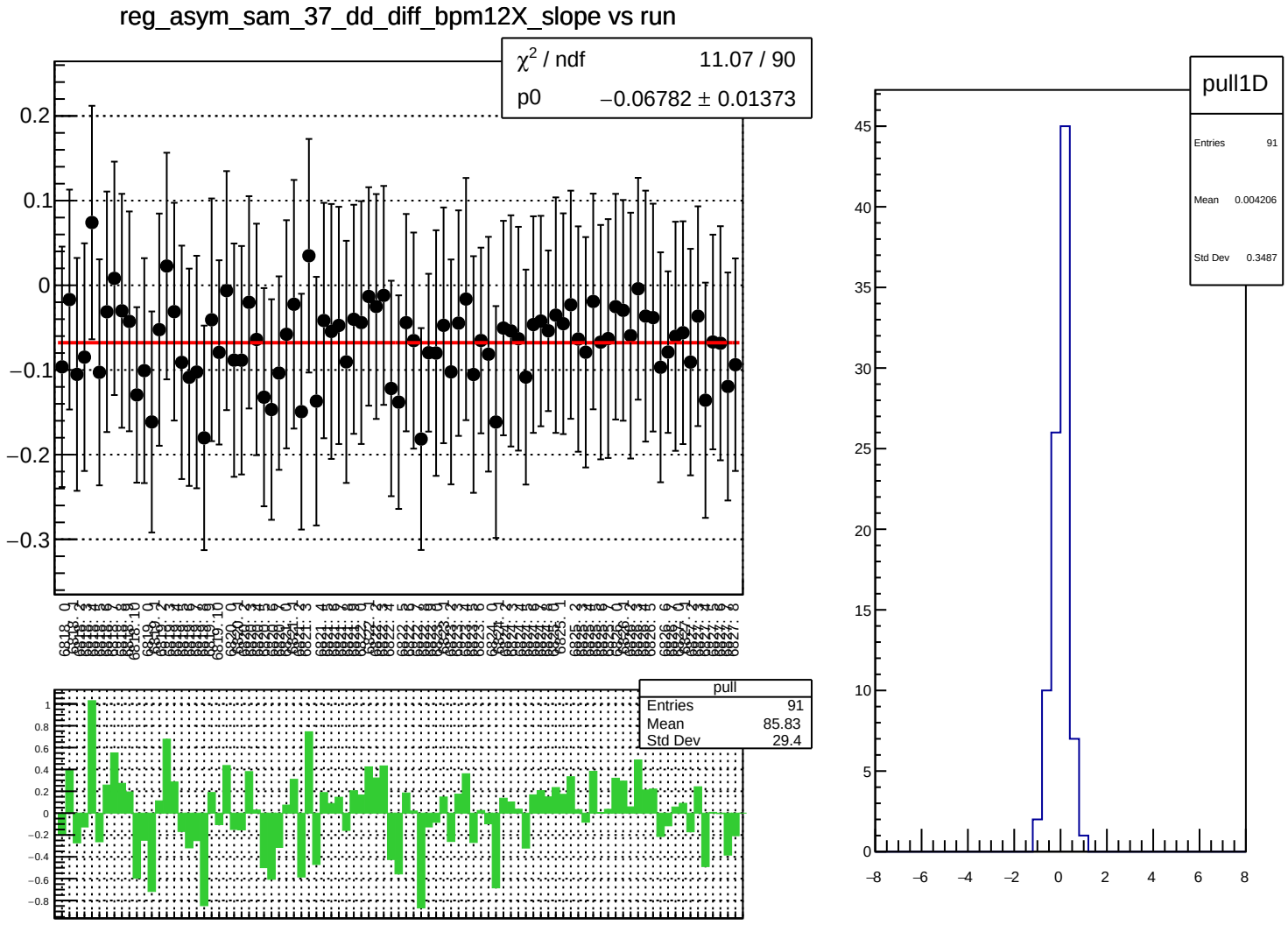

pull1D
Entries 91
Mean 0.0003706
Std Dev 0.3182

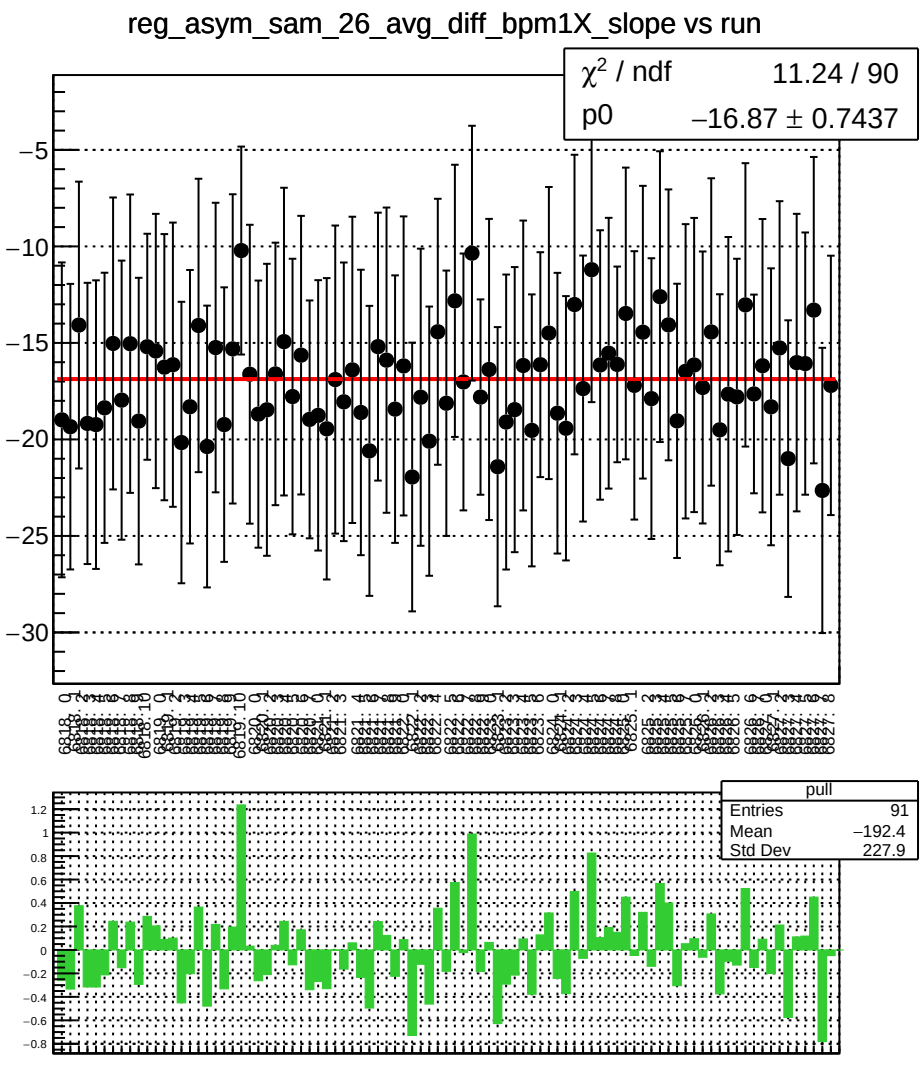

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.75 / 90
p0 −8.914 ± 0.2354
pull
Entries 91
Mean 52.26
Std Dev 19.79
pull1D
Entries 91
Mean −0.03611
Std Dev 0.4276

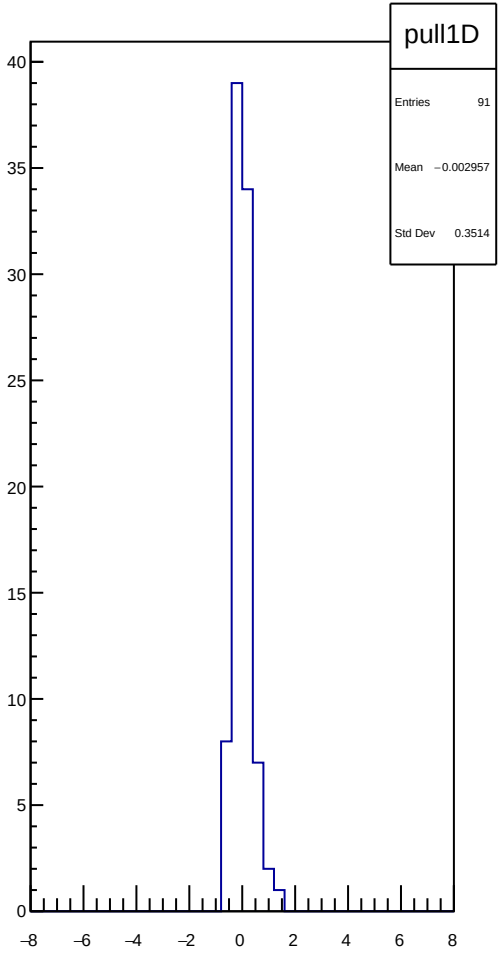

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.93 / 90
p0 −10.06 ± 0.3277
pull
Entries 91
Mean 147.1
Std Dev 83.55
pull1D
Entries 91
Mean −0.01828
Std Dev 0.4309

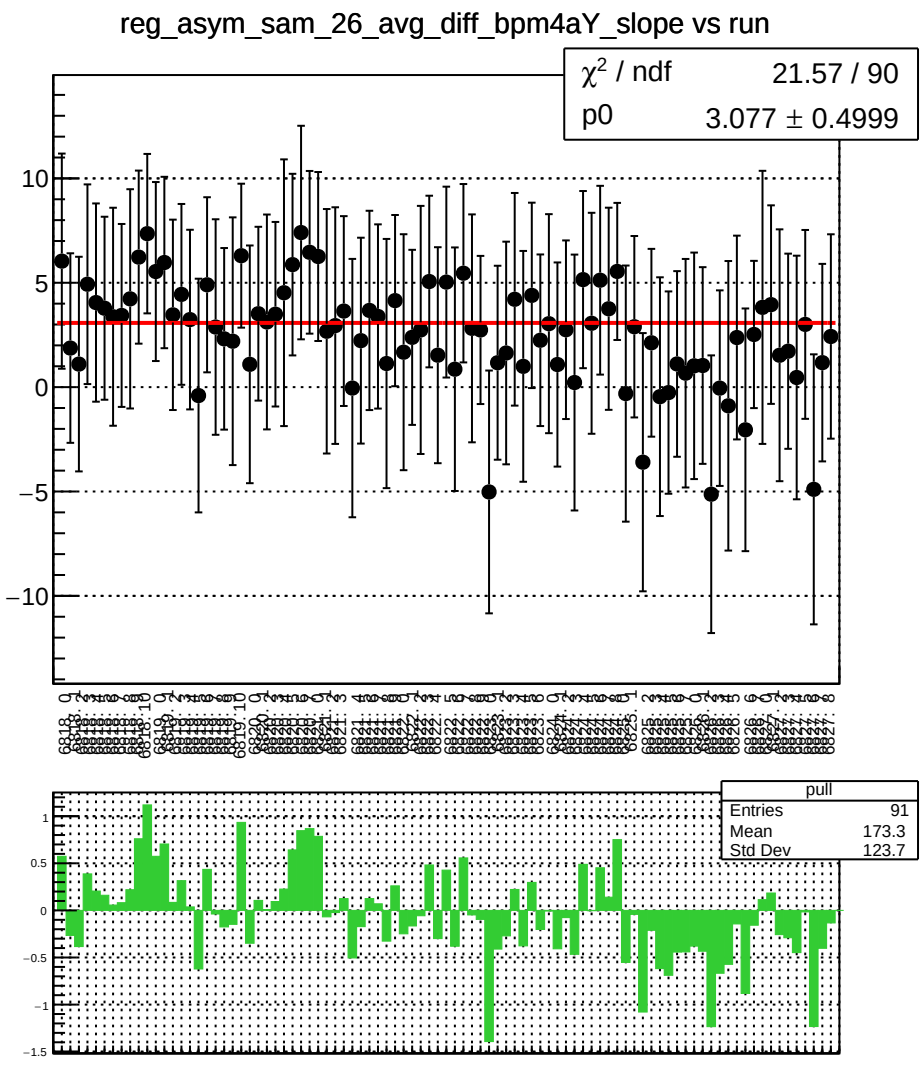

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.77 / 90
p0 23.38 ± 0.2736
pull
Entries 91
Mean 32.14
Std Dev 35.1

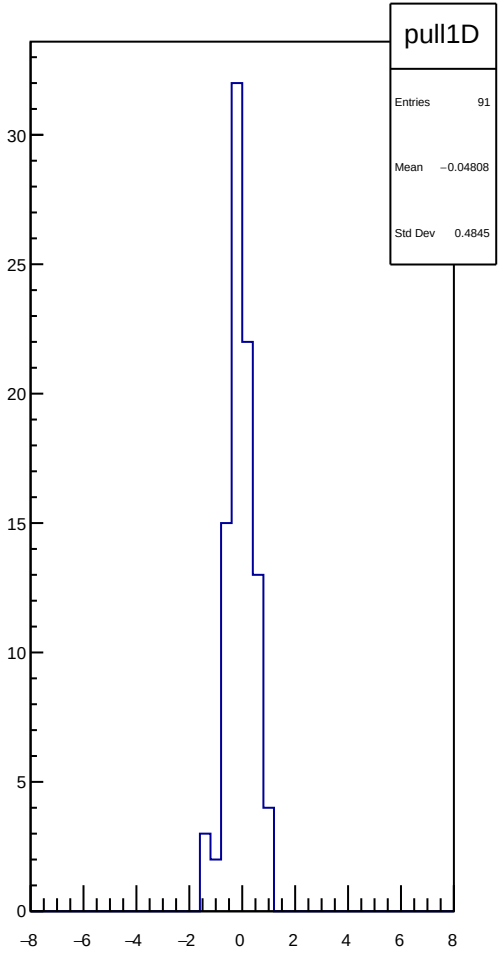

pull1D
Entries 91
Mean 0.02674
Std Dev 0.4534

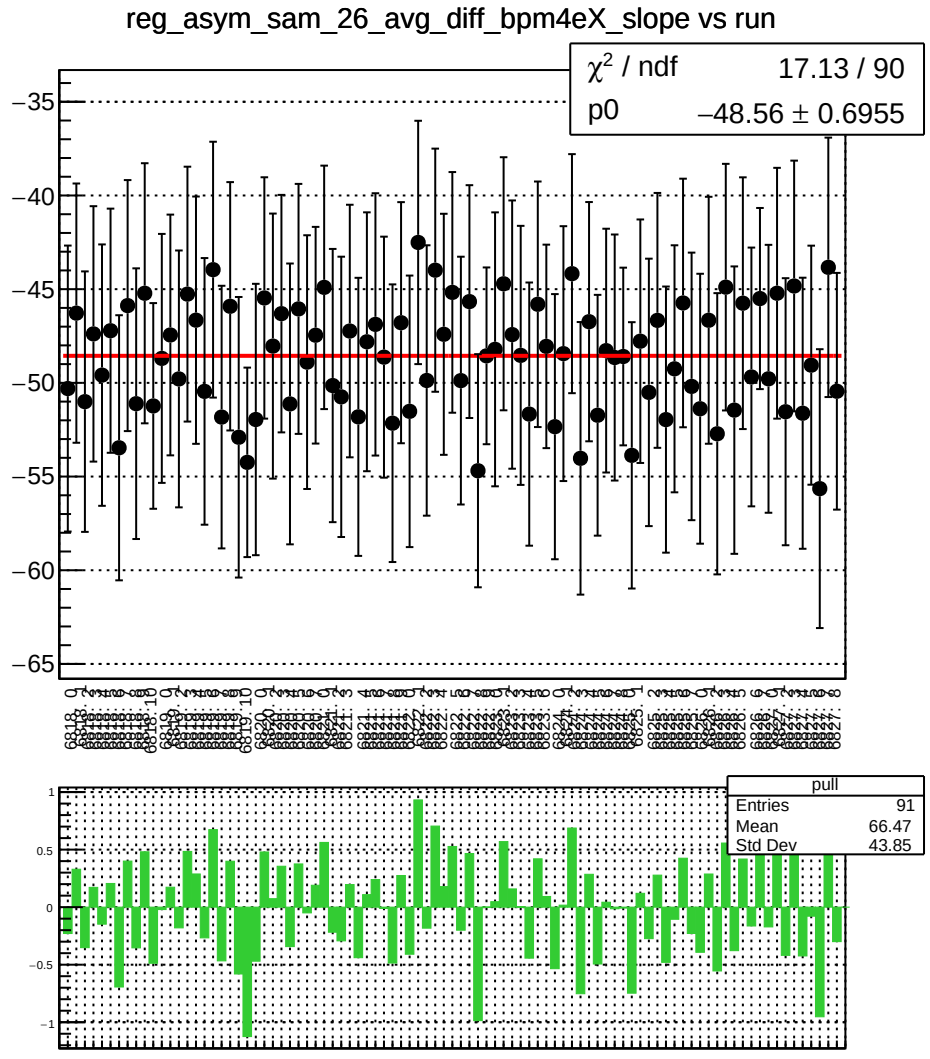

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 11.07 / 90
p0 −0.06782 ± 0.01373
pull
Entries 91
Mean 85.83
Std Dev 29.4
pull1D
Entries 91
Mean 0.004206
Std Dev 0.3487

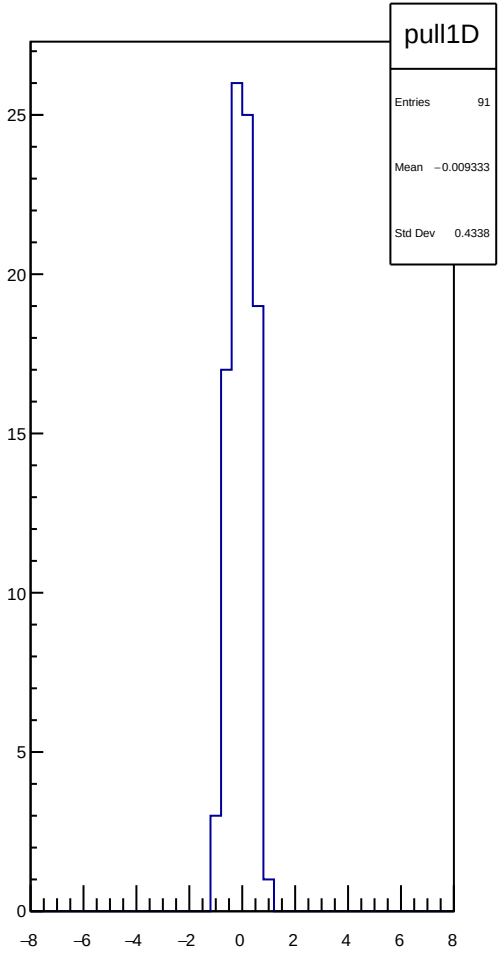

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 11.24 / 90
p0 −16.87 ± 0.7437
pull
Entries 91
Mean −192.4
Std Dev 227.9

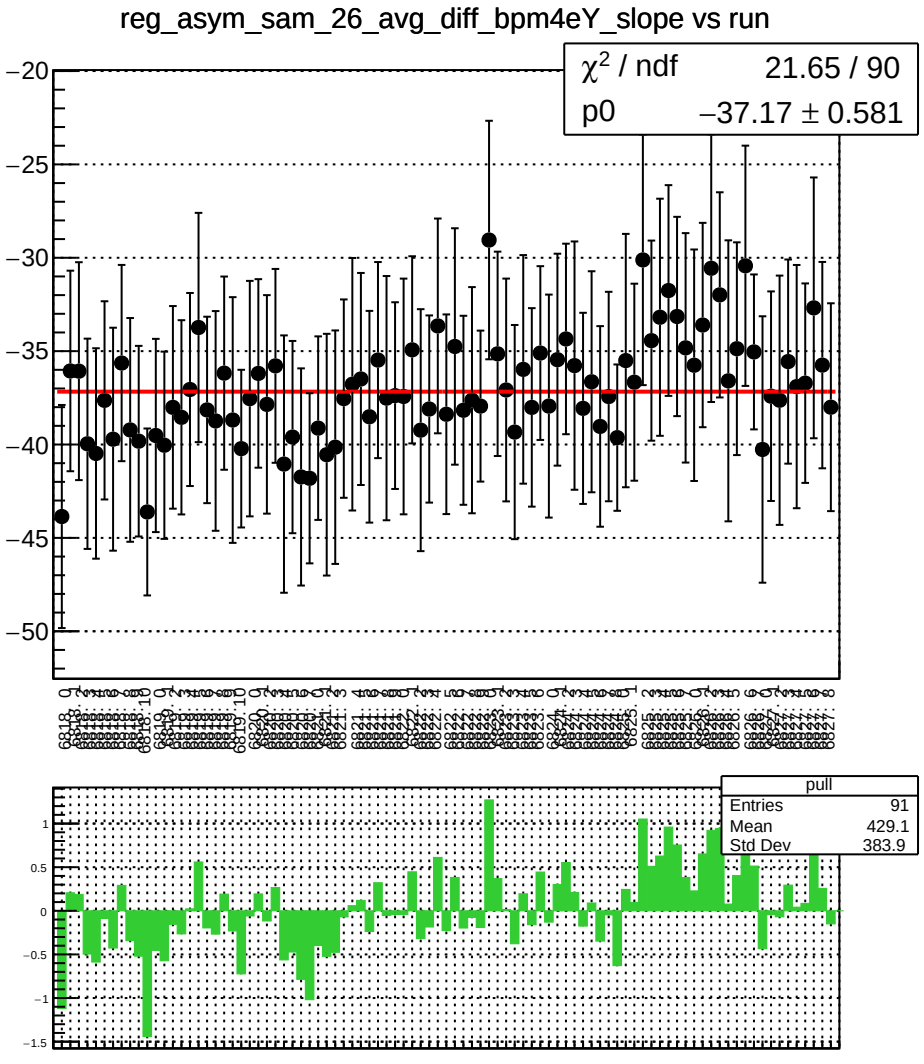

pull1D
Entries 91
Mean −0.002957
Std Dev 0.3514

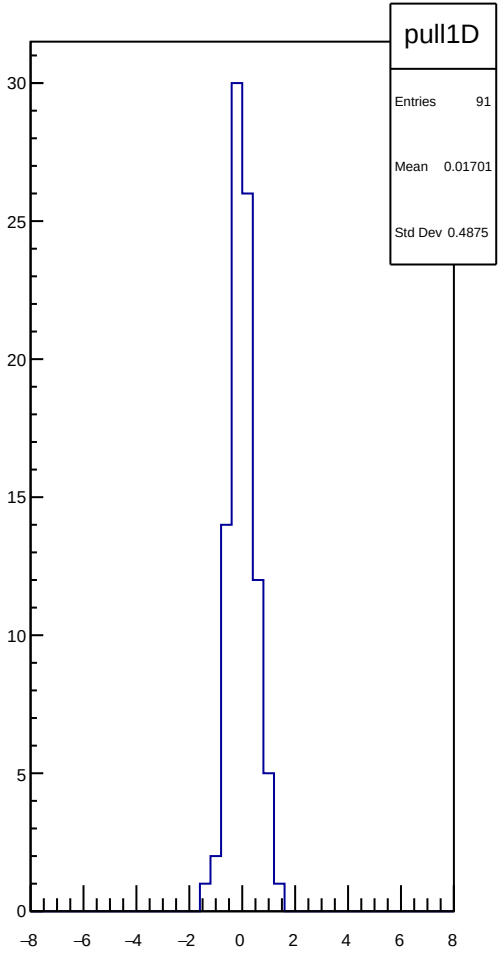

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.57 / 90
p0 3.077 ± 0.4999
pull
Entries 91
Mean 173.3
Std Dev 123.7

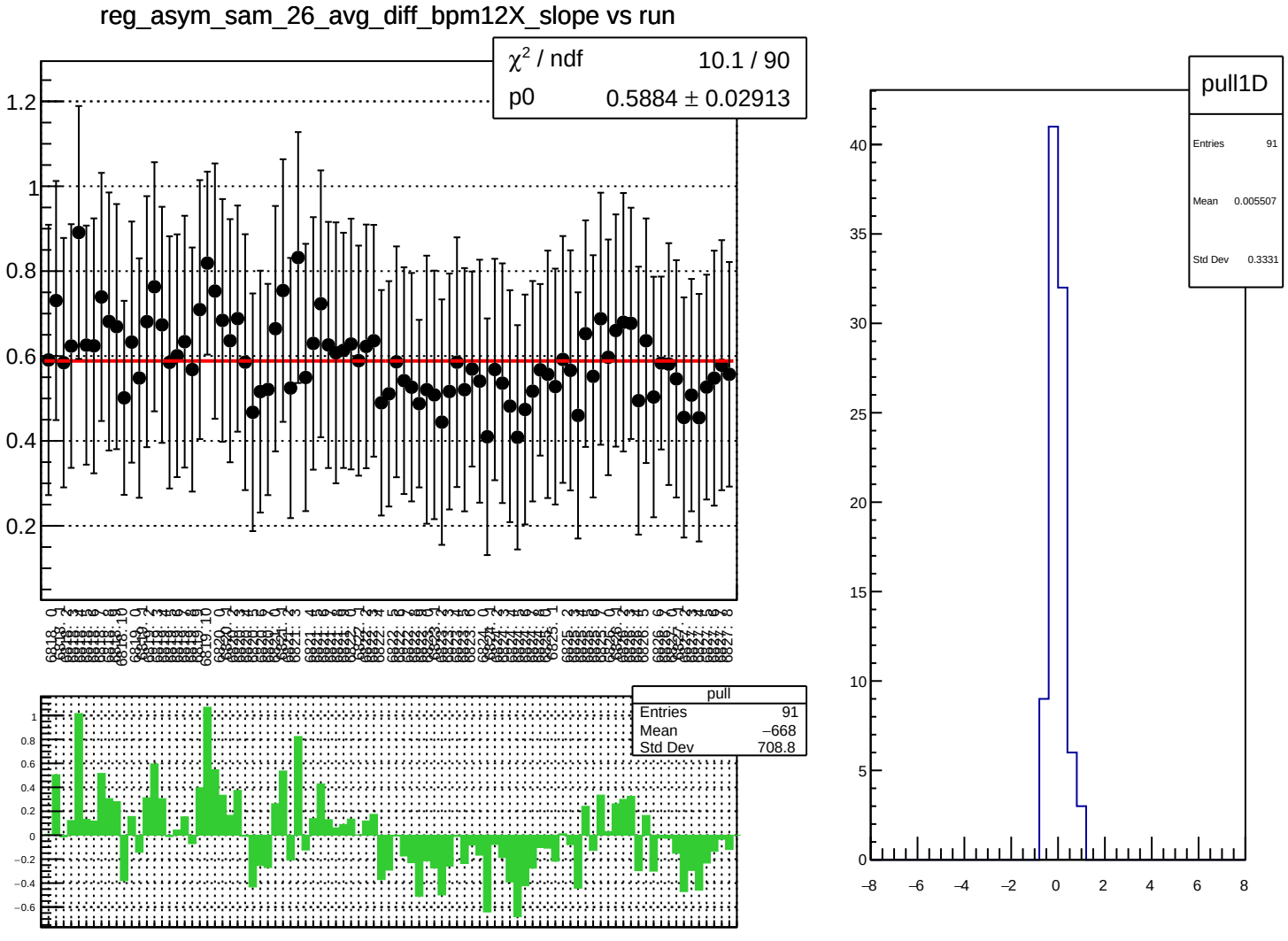

pull1D
Entries 91
Mean −0.04808
Std Dev 0.4845

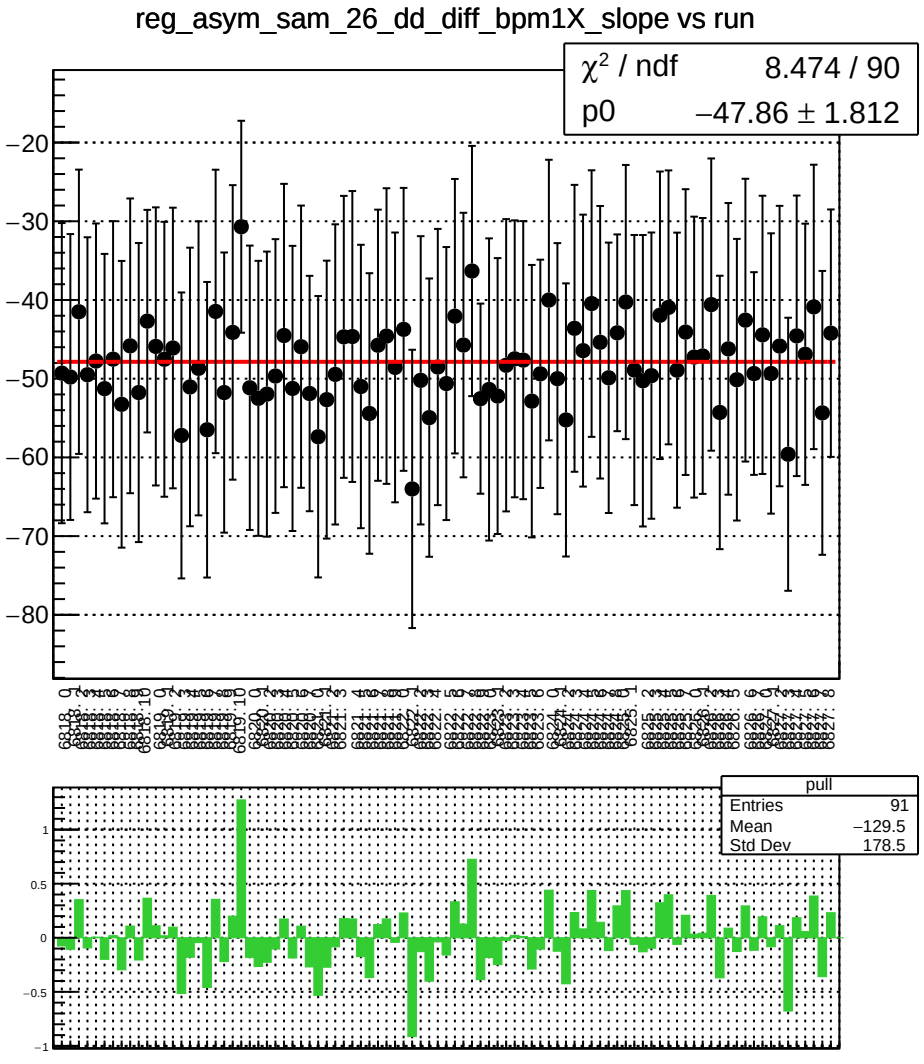

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.13 / 90
p0 −48.56 ± 0.6955
pull
Entries 91
Mean 66.47
Std Dev 43.85

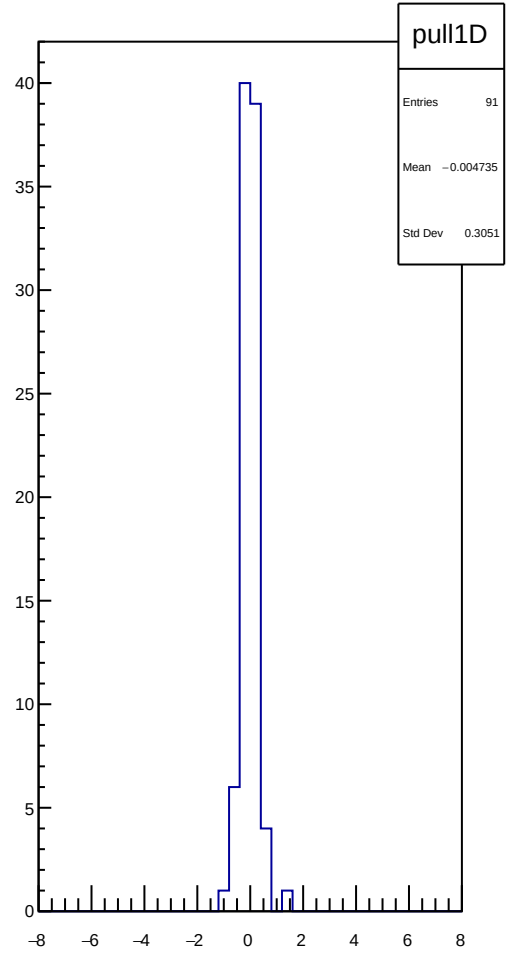

pull1D
Entries 91
Mean −0.009333
Std Dev 0.4338

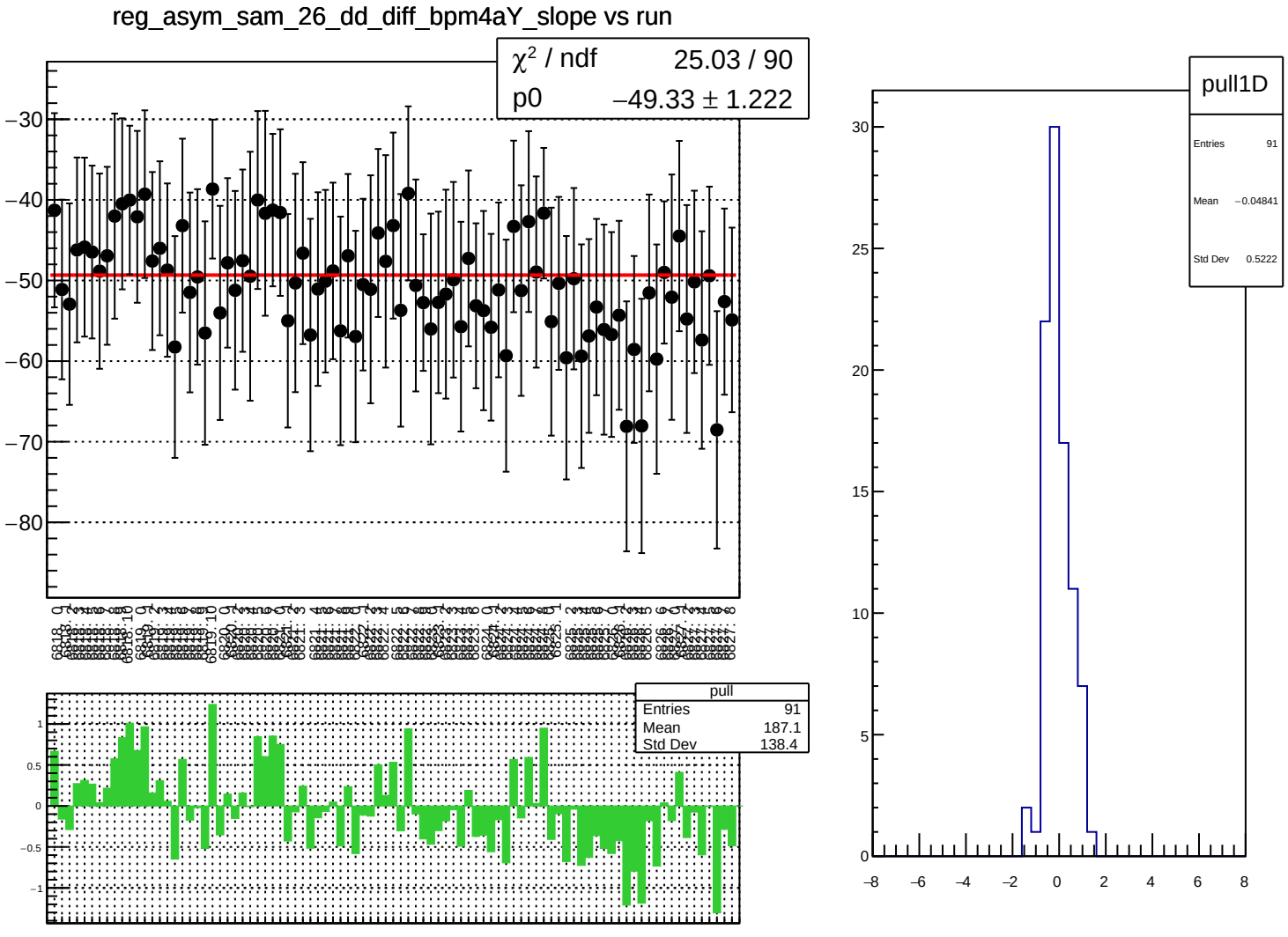

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.65 / 90
p0 −37.17 ± 0.581
pull
Entries 91
Mean 429.1
Std Dev 383.9

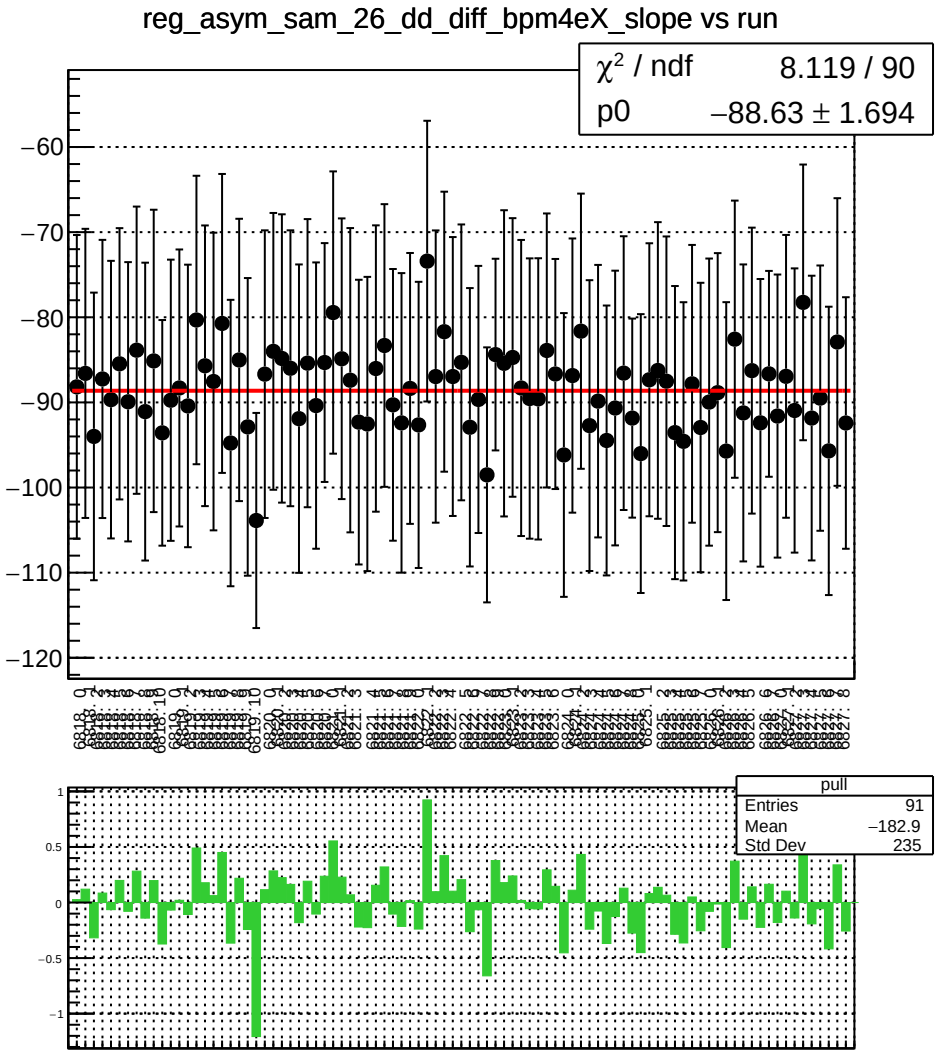

pull1D
Entries 91
Mean 0.01701
Std Dev 0.4875

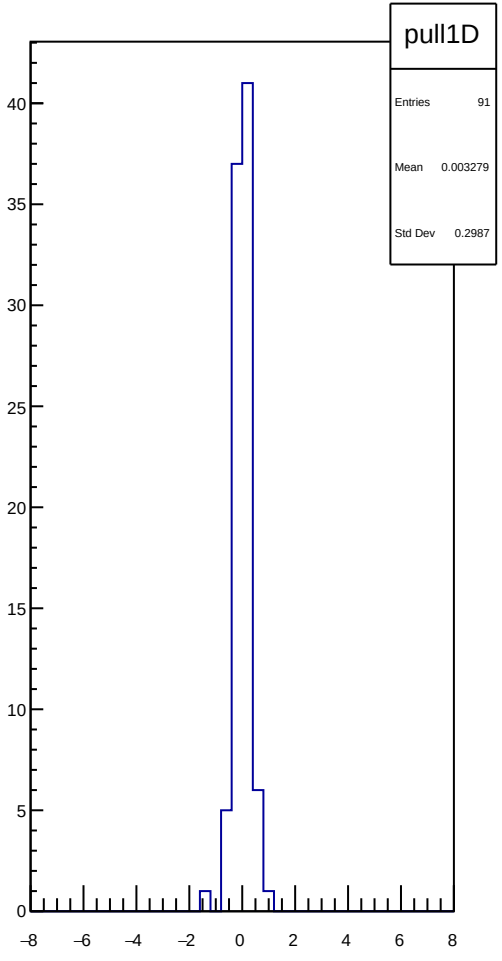

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 10.1 / 90
p0 0.5884 ± 0.02913
pull
Entries 91
Mean −668
Std Dev 708.8
pull1D
Entries 91
Mean 0.005507
Std Dev 0.3331

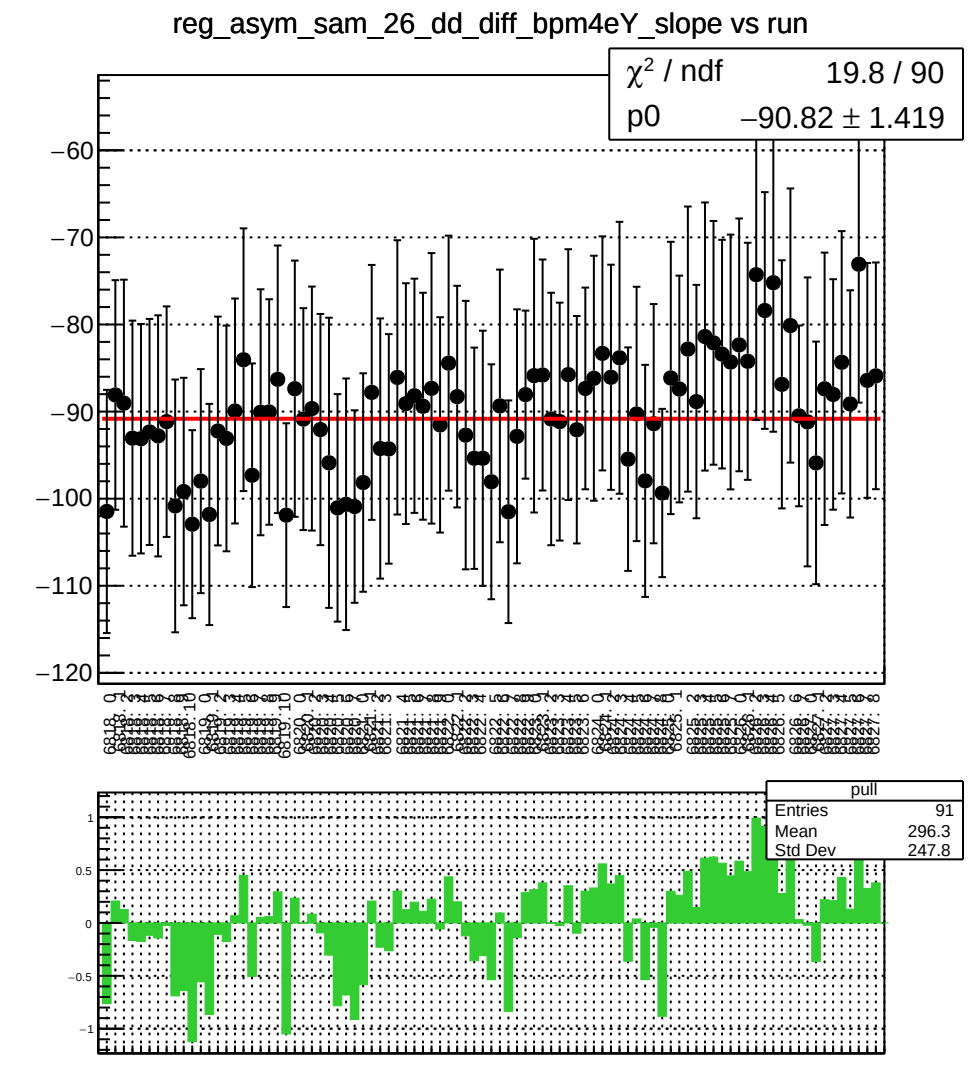

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 8.474 / 90
p0 −47.86 ± 1.812
pull
Entries 91
Mean −129.5
Std Dev 178.5

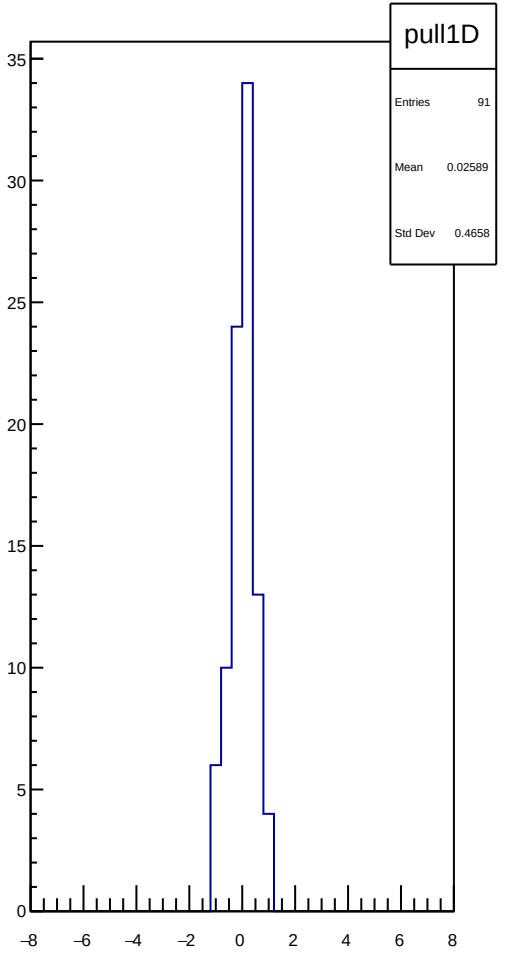

pull1D
Entries 91
Mean −0.004735
Std Dev 0.3051

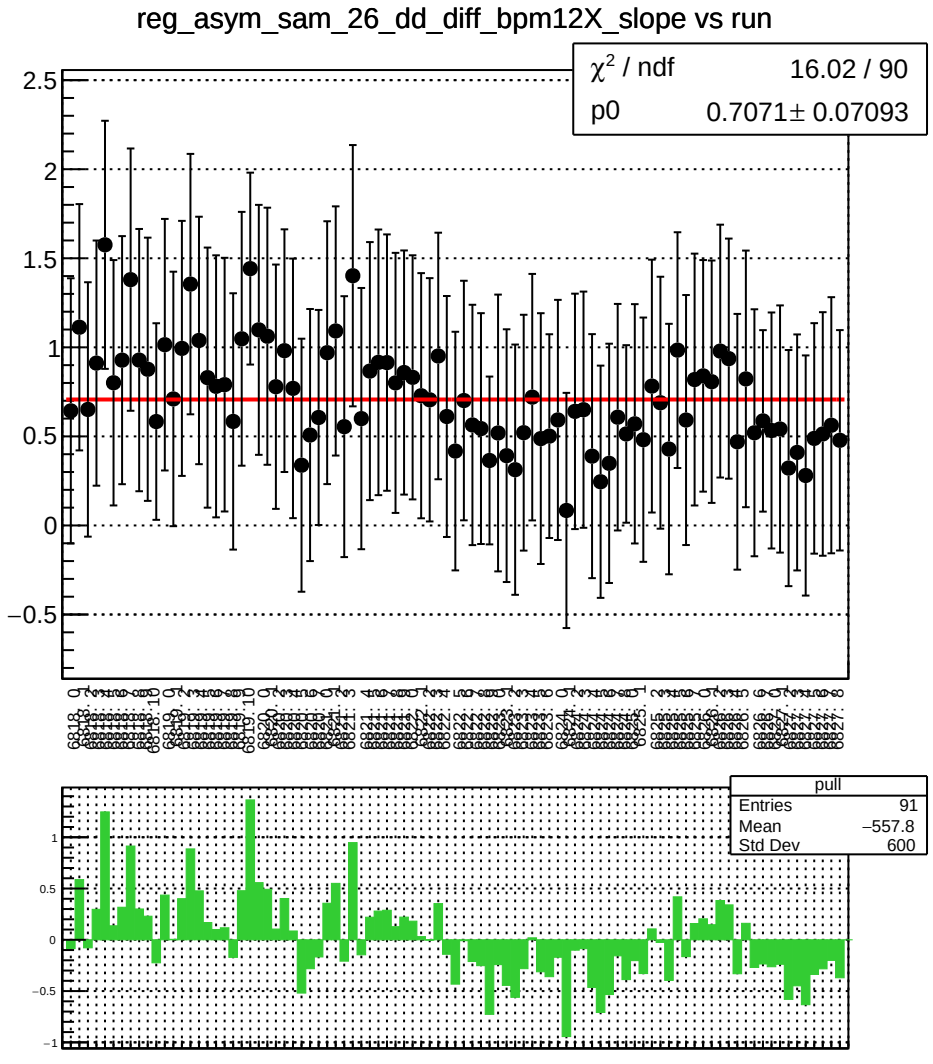

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.03 / 90
p0 −49.33 ± 1.222
pull
Entries 91
Mean 187.1
Std Dev 138.4
pull1D
Entries 91
Mean −0.04841
Std Dev 0.5222

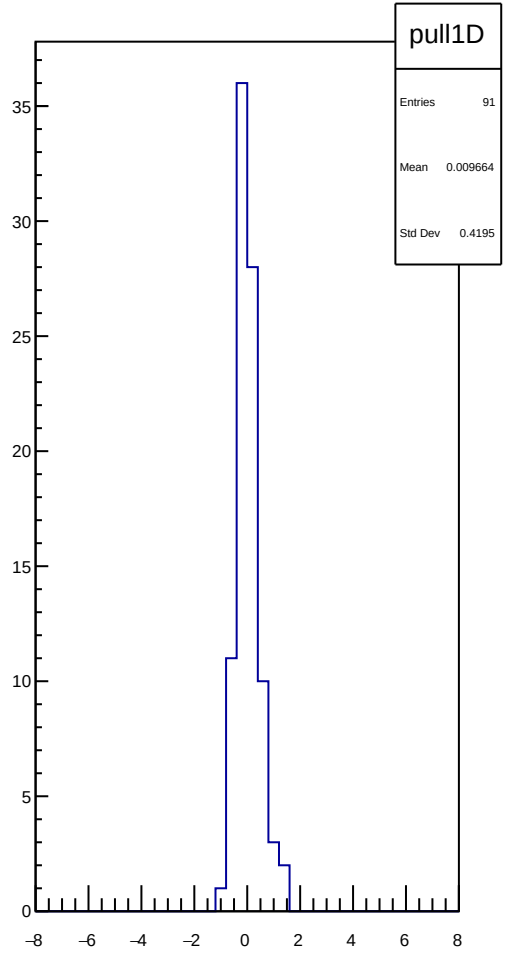

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.119 / 90
p0 −88.63 ± 1.694
pull
Entries 91
Mean −182.9
Std Dev 235

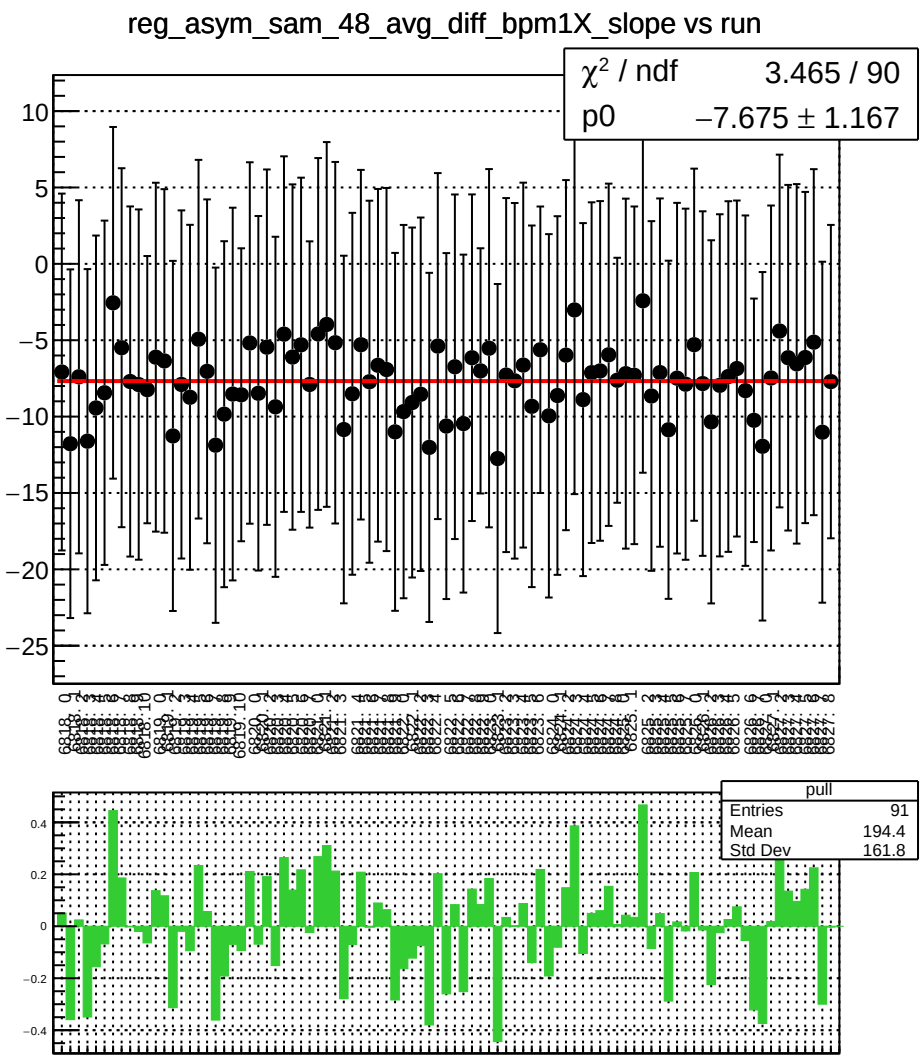

pull1D
Entries 91
Mean 0.003279
Std Dev 0.2987

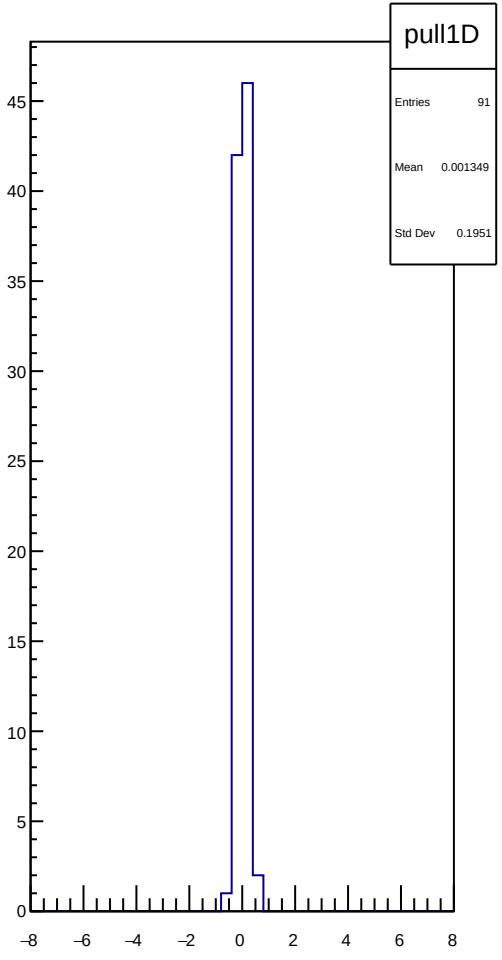

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.8 / 90
p0 −90.82 ± 1.419
pull
Entries 91
Mean 296.3
Std Dev 247.8

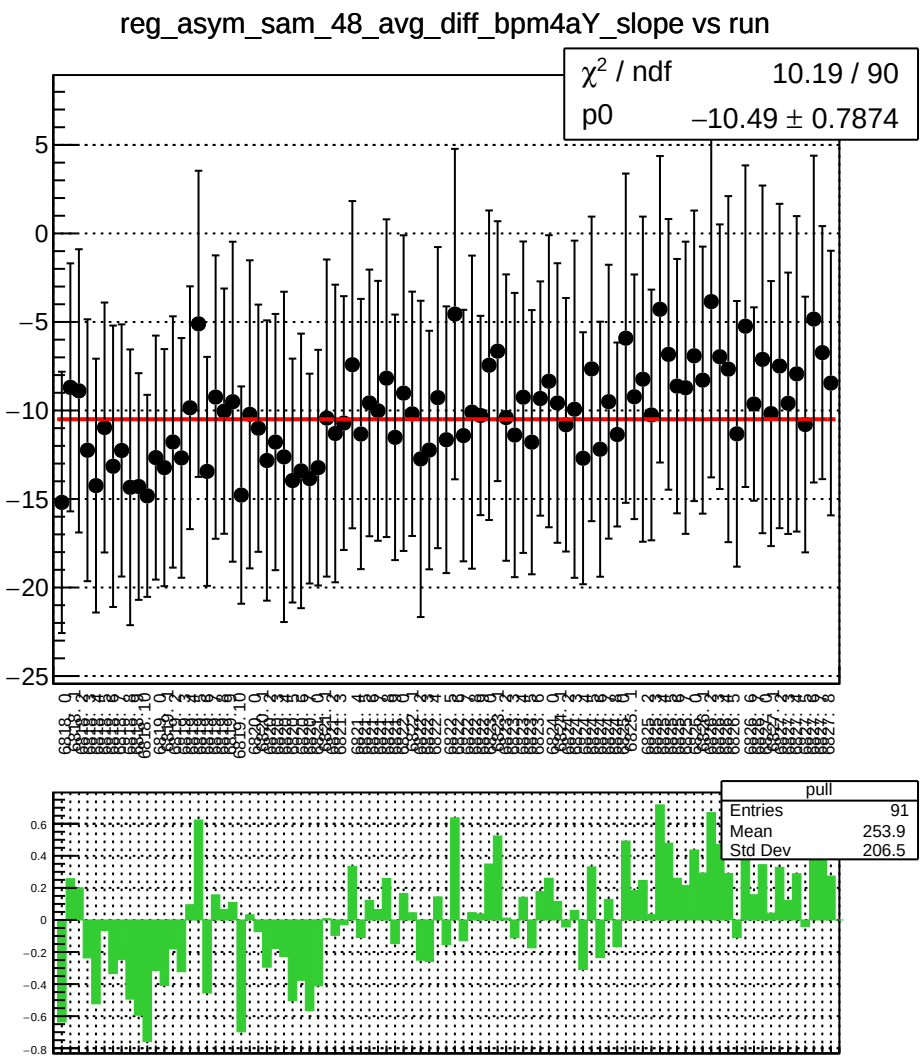

pull1D
Entries 91
Mean 0.02589
Std Dev 0.4658

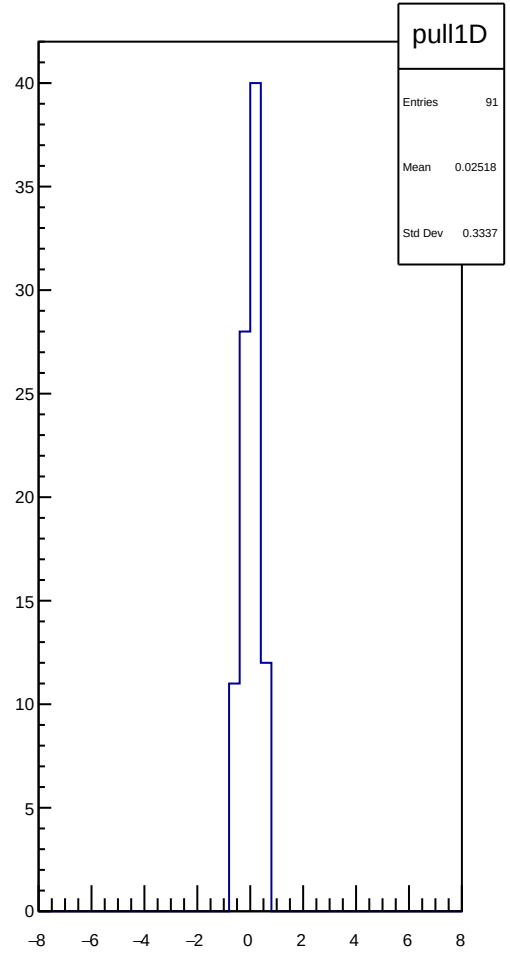

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 16.02 / 90
p0 0.7071± 0.07093
pull
Entries 91
Mean −557.8
Std Dev 600

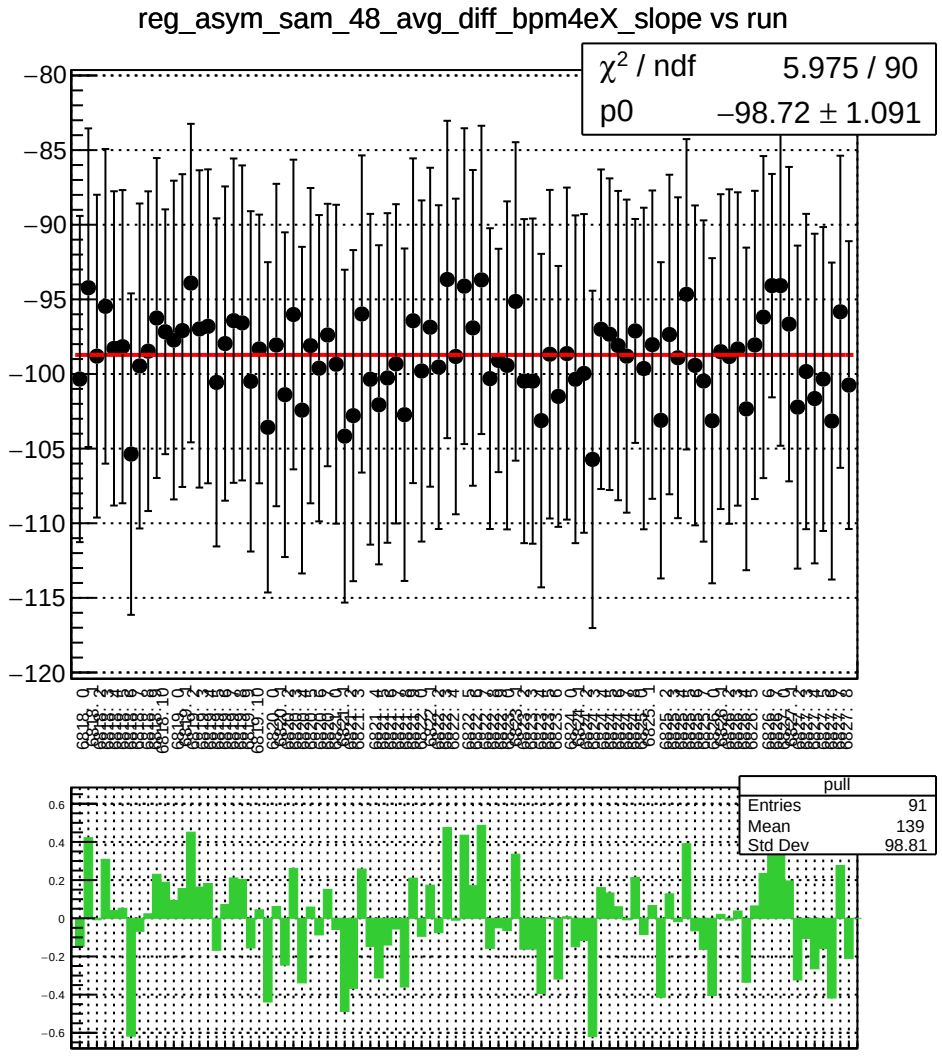

pull1D
Entries 91
Mean 0.009664
Std Dev 0.4195

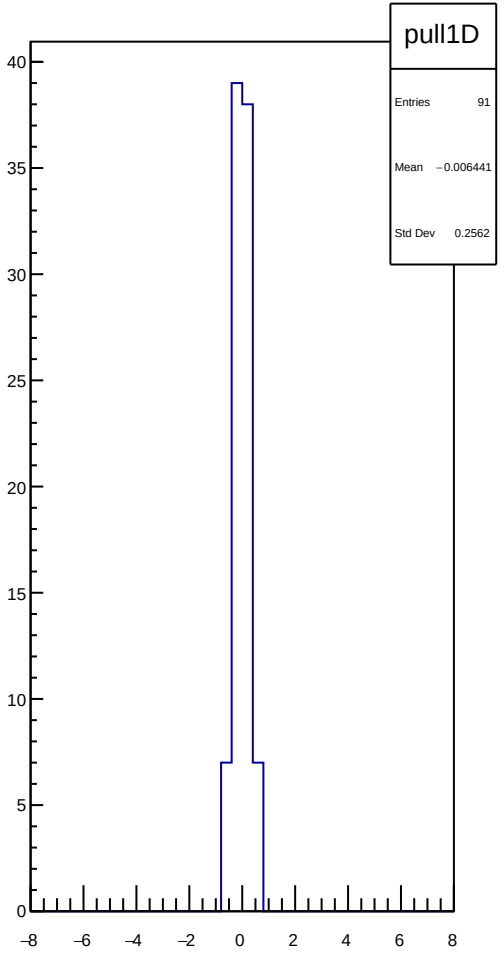

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 3.465 / 90
p0 −7.675 ± 1.167
pull
Entries 91
Mean 194.4
Std Dev 161.8

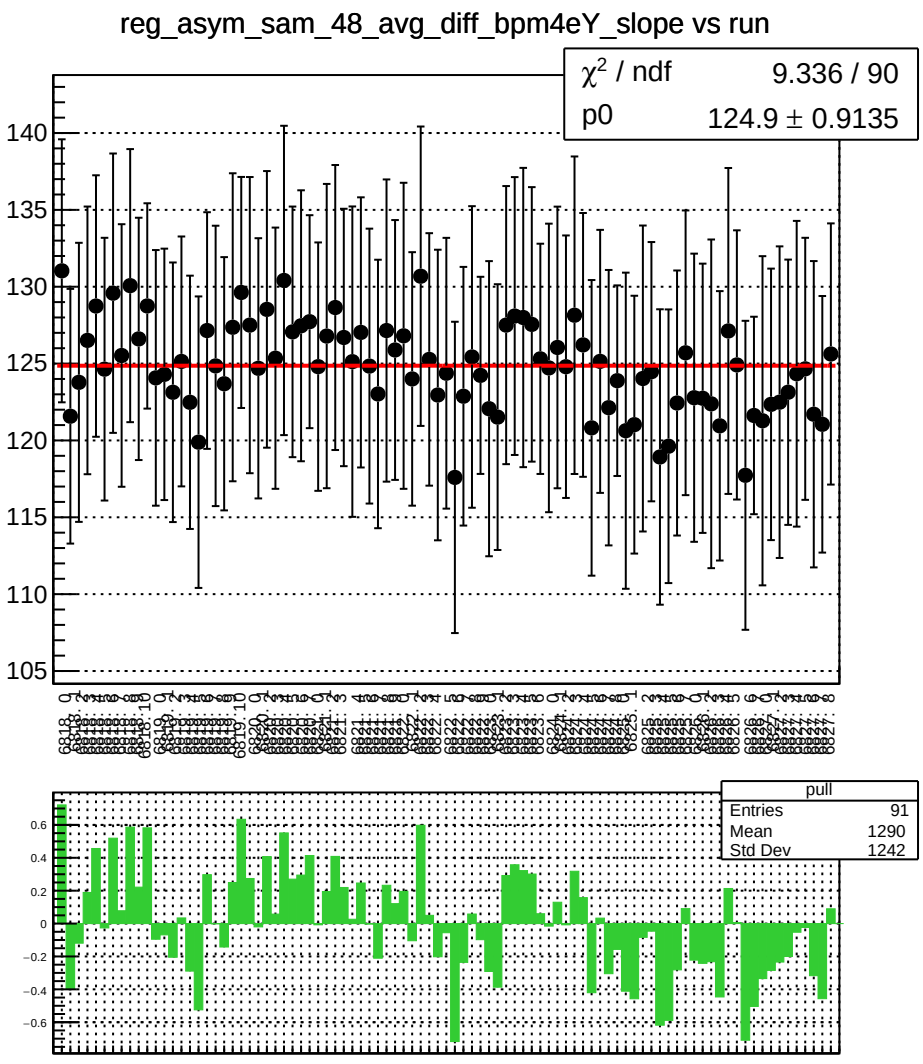

pull1D
Entries 91
Mean 0.001349
Std Dev 0.1951

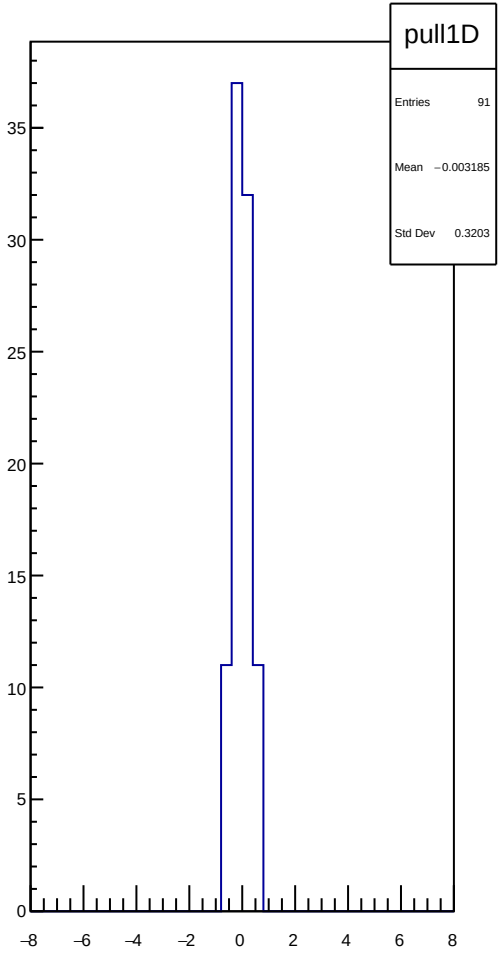

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.19 / 90
p0 −10.49 ± 0.7874
pull
Entries 91
Mean 253.9
Std Dev 206.5

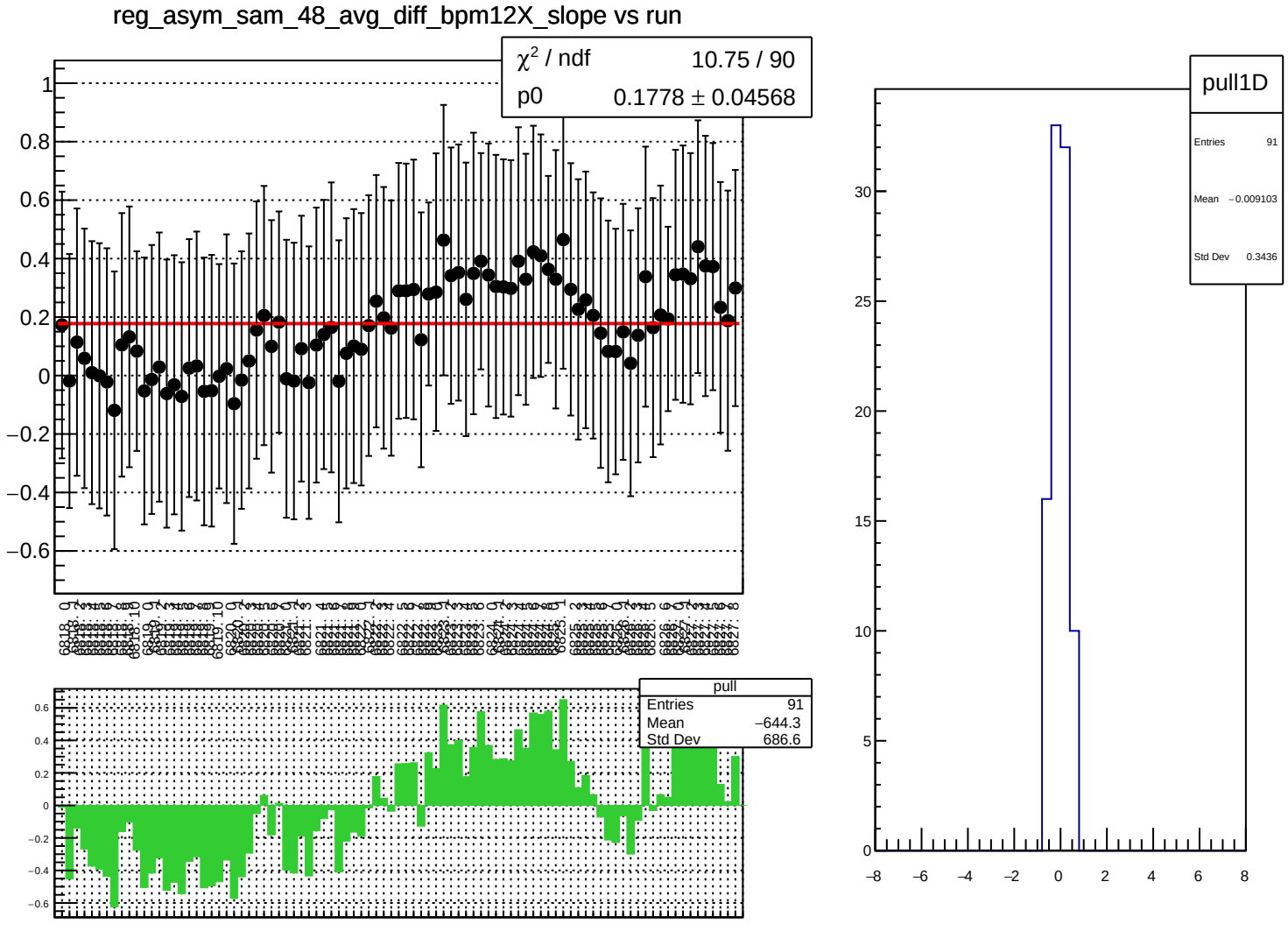

pull1D
Entries 91
Mean 0.02518
Std Dev 0.3337

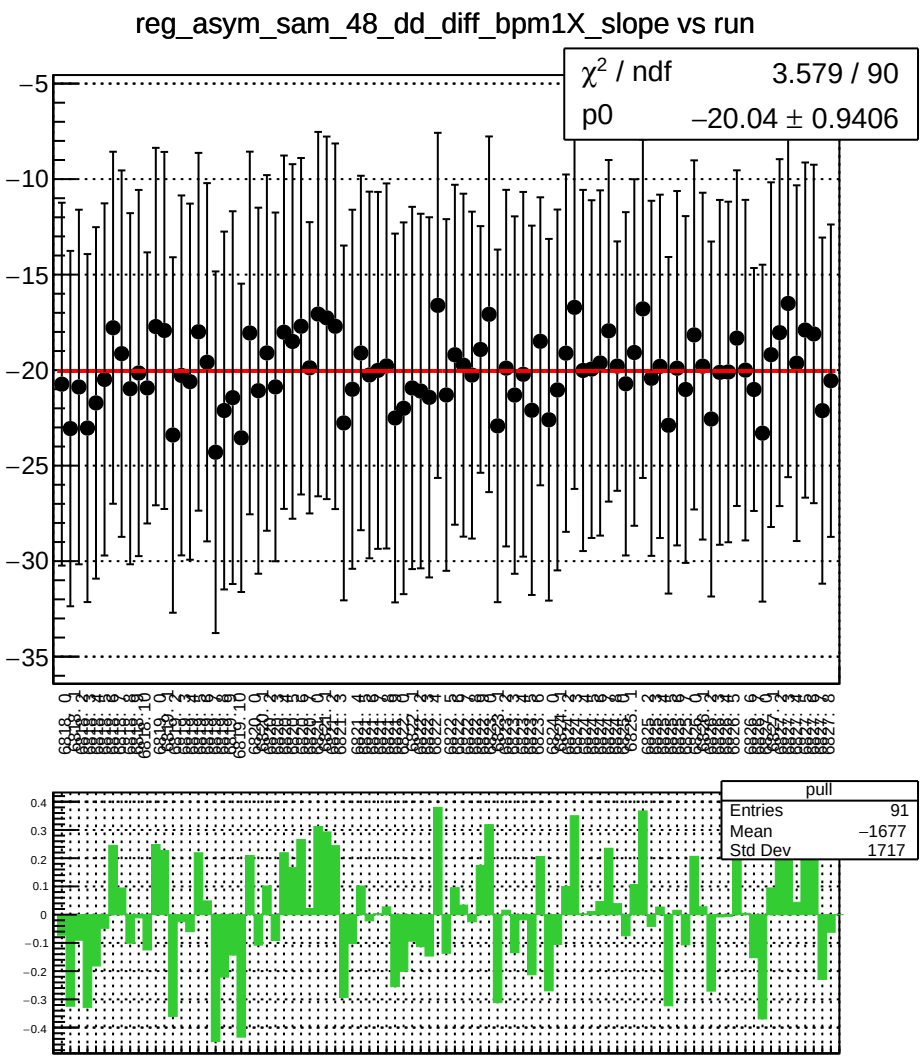

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.975 / 90
p0 −98.72 ± 1.091
pull
Entries 91
Mean 139
Std Dev 98.81

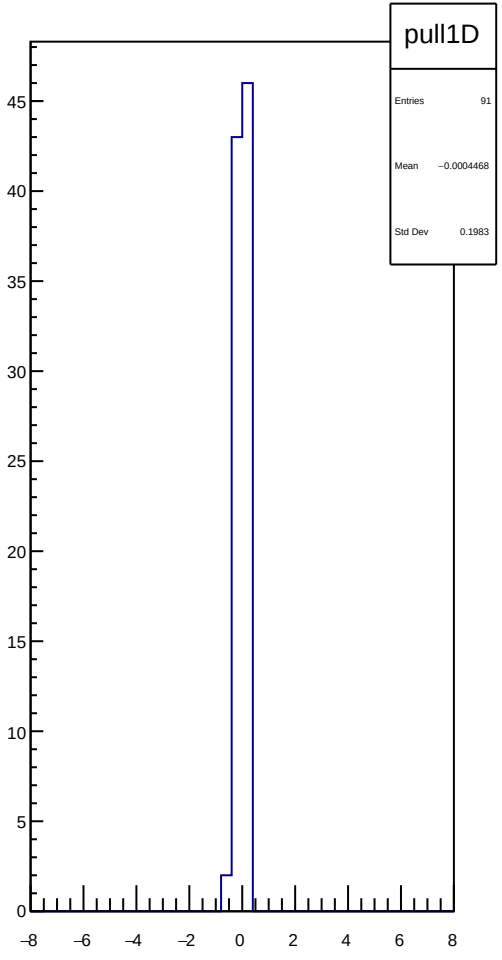

pull1D
Entries 91
Mean −0.006441
Std Dev 0.2562

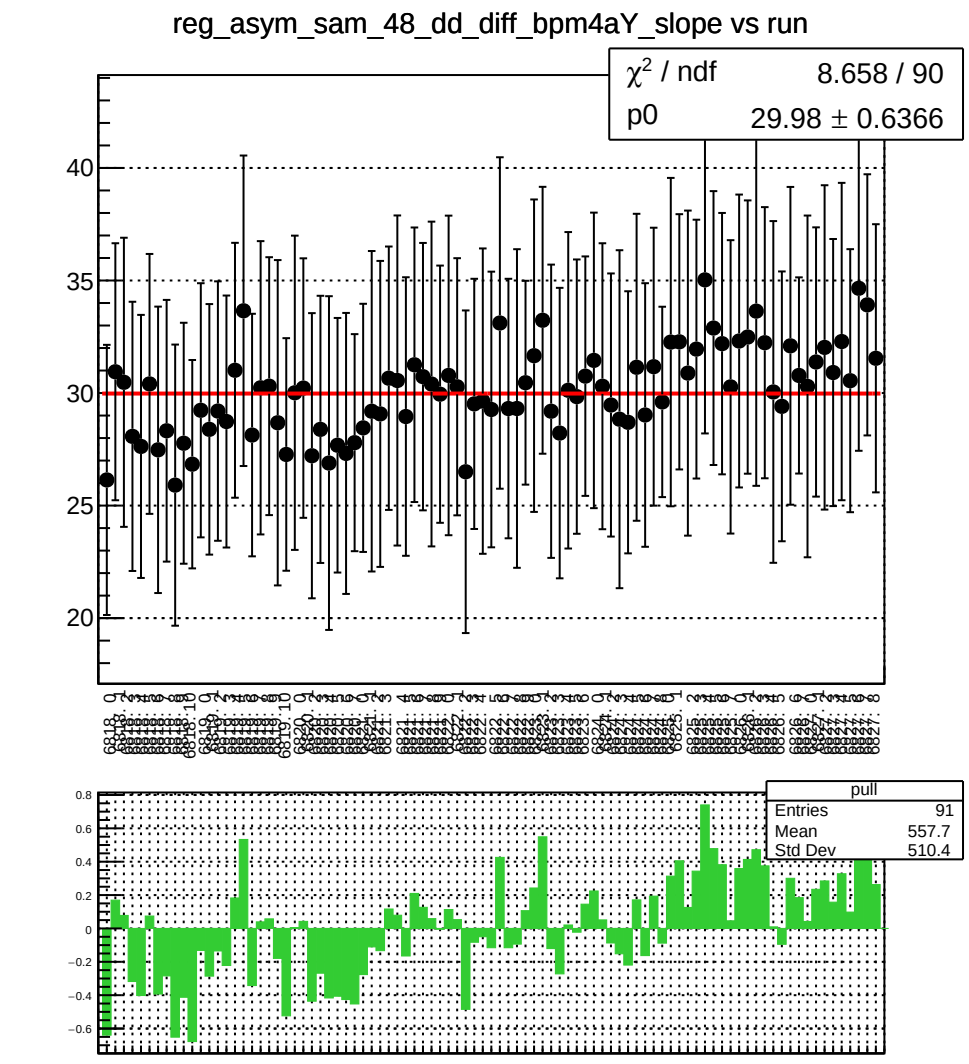

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.336 / 90
p0 124.9 ± 0.9135
pull
Entries 91
Mean 1290
Std Dev 1242

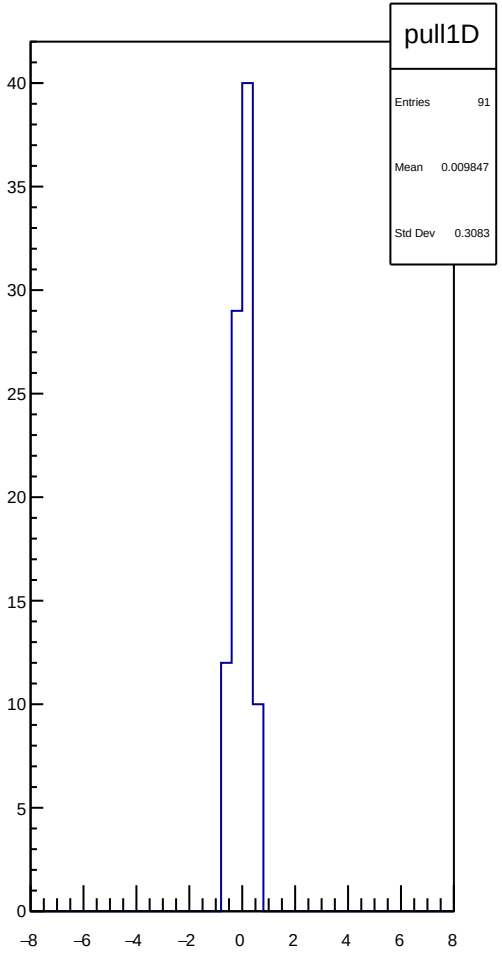

pull1D
Entries 91
Mean −0.003185
Std Dev 0.3203

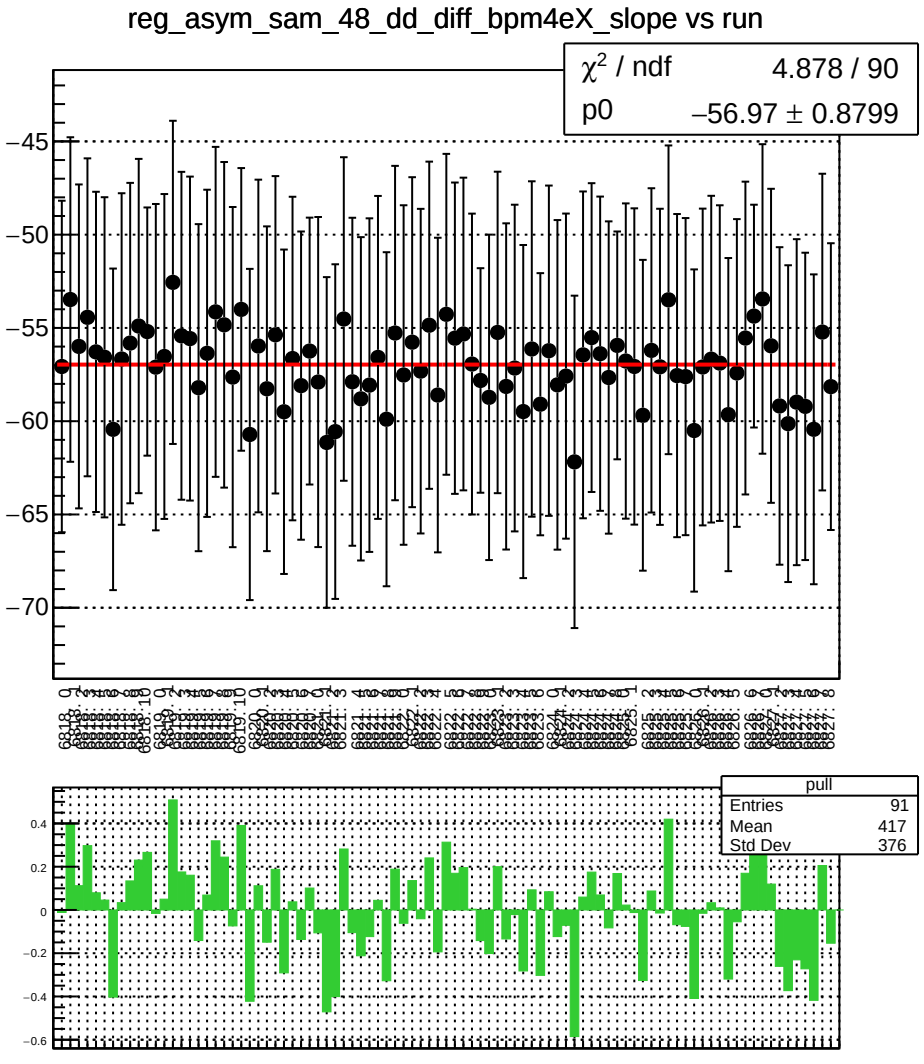

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 10.75 / 90
p0 0.1778 ± 0.04568
pull
Entries 91
Mean −644.3
Std Dev 686.6
pull1D
Entries 91
Mean −0.009103
Std Dev 0.3436

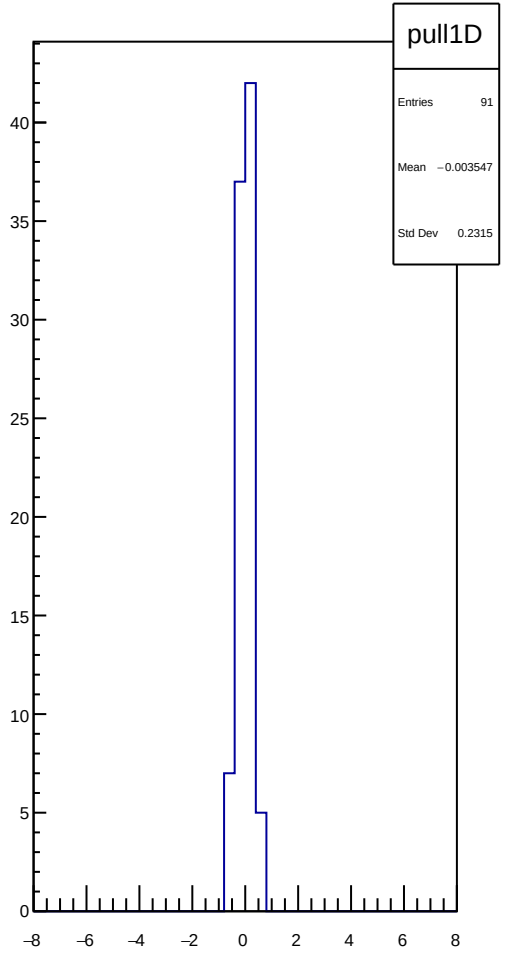

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.579 / 90
p0 −20.04 ± 0.9406
pull
Entries 91
Mean −1677
Std Dev 1717

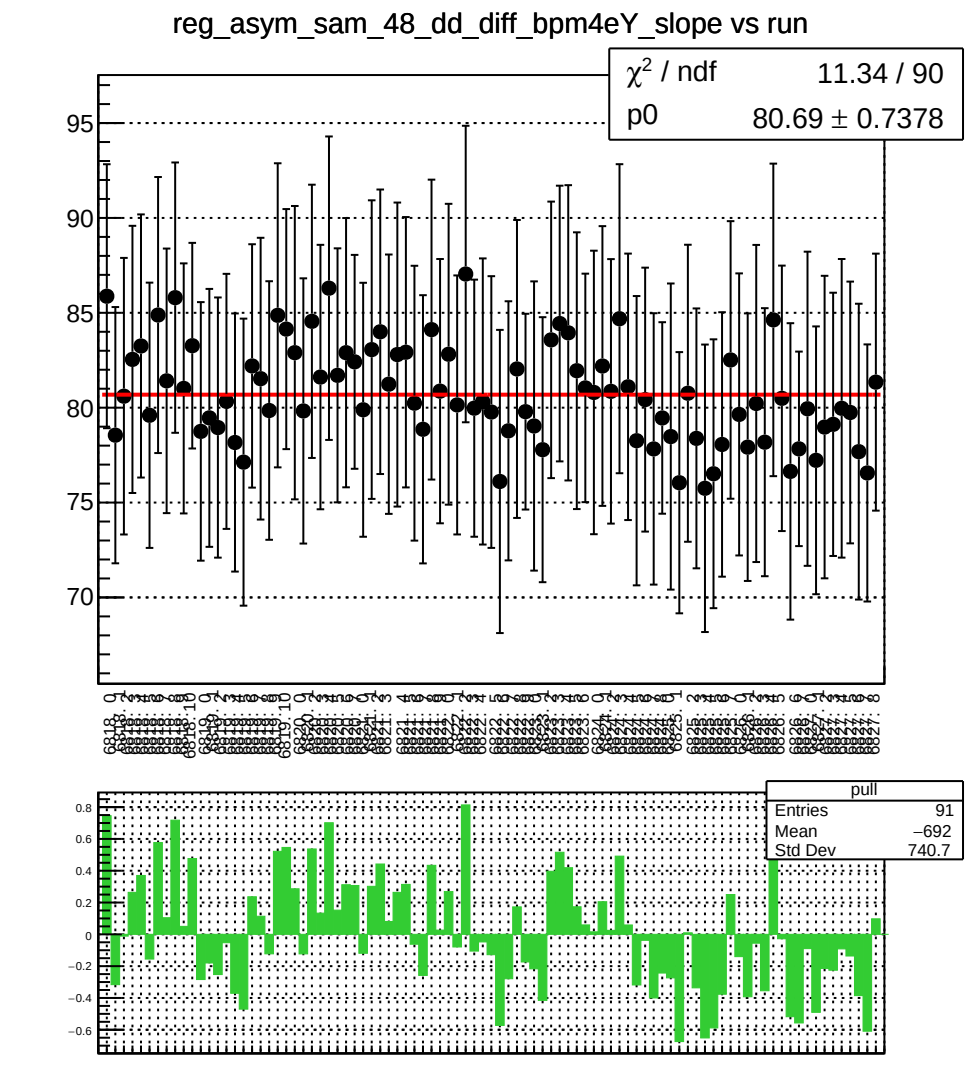

pull1D
Entries 91
Mean −0.0004468
Std Dev 0.1983

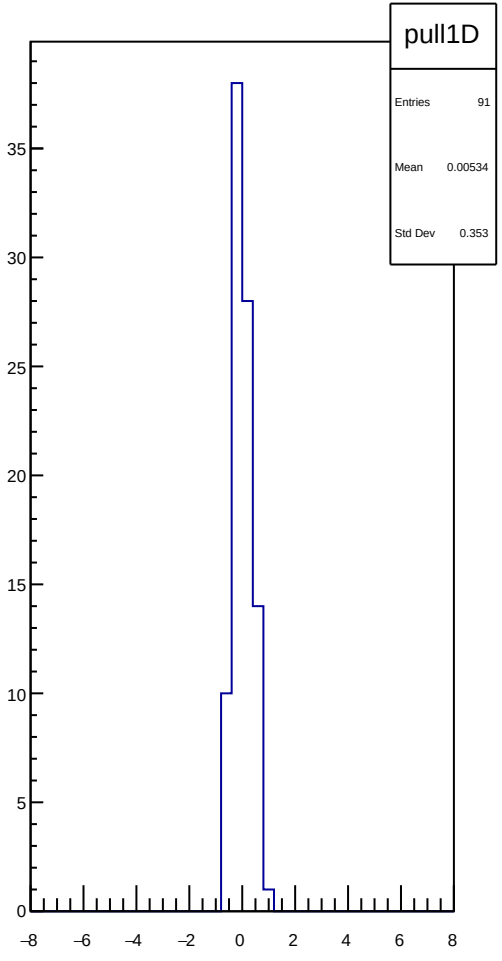

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.658 / 90
p0 29.98 ± 0.6366
pull
Entries 91
Mean 557.7
Std Dev 510.4

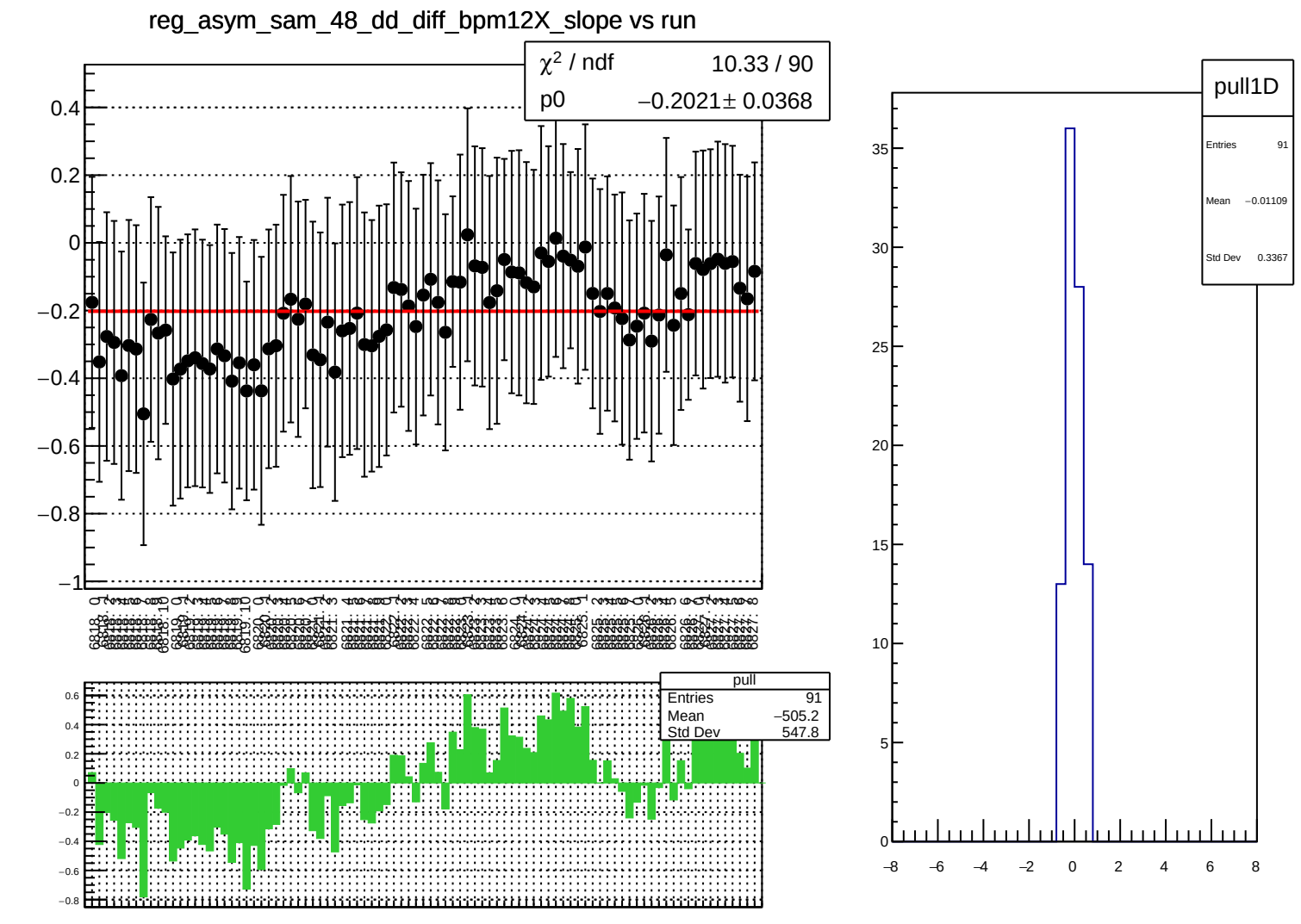

pull1D
Entries 91
Mean 0.009847
Std Dev 0.3083

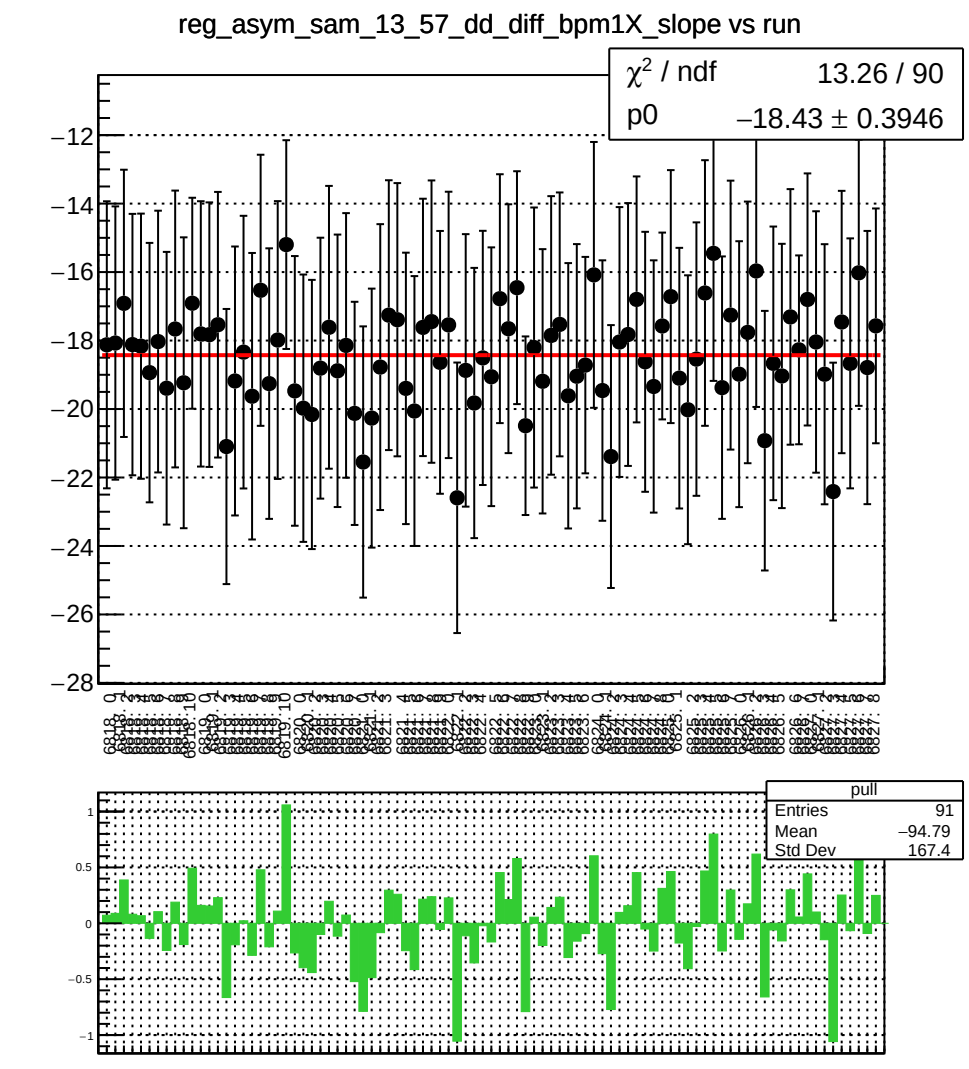

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.878 / 90
p0 −56.97 ± 0.8799
−45
−50
−55
−60
−65
−70
pull
Entries 91
Mean 417
Std Dev 376
0.4
0.2
0
−0.2
−0.4
−0.6

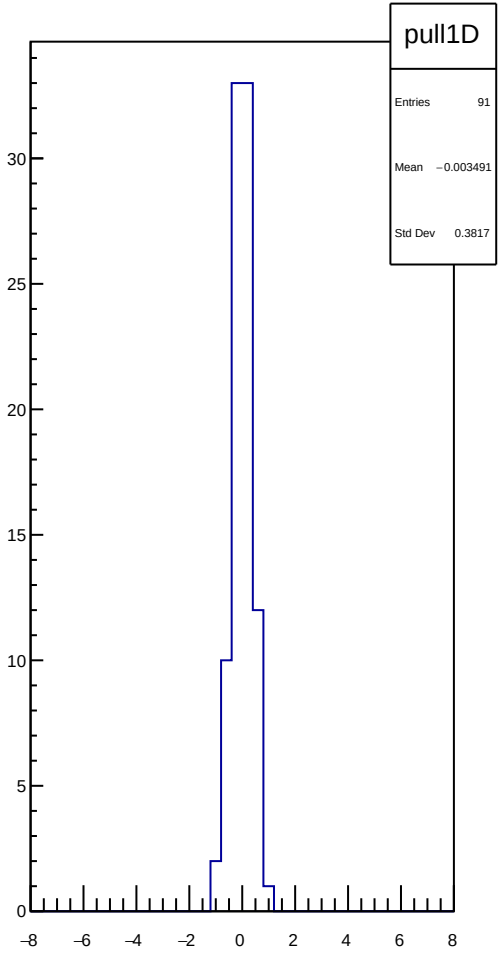

pull1D
Entries 91
Mean −0.003547
Std Dev 0.2315
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

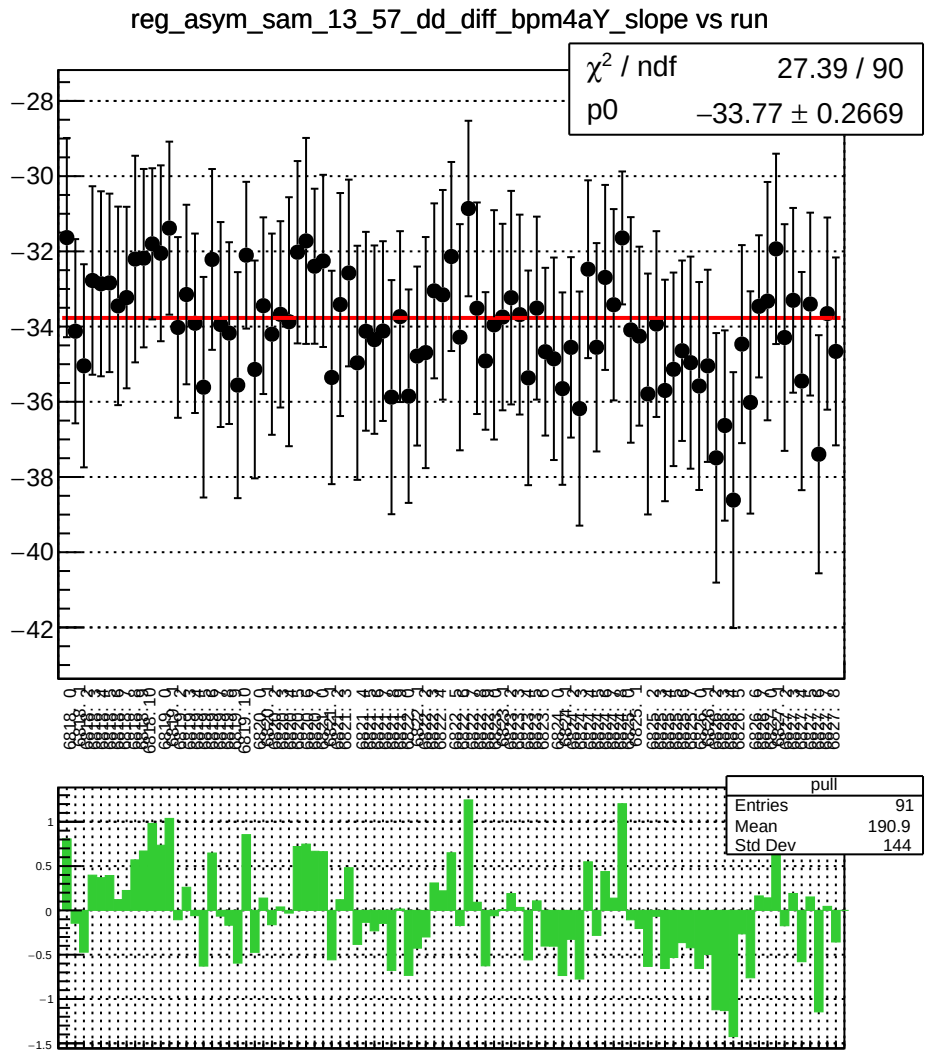

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.34 / 90
p0 80.69 ± 0.7378
pull
Entries 91
Mean −692
Std Dev 740.7

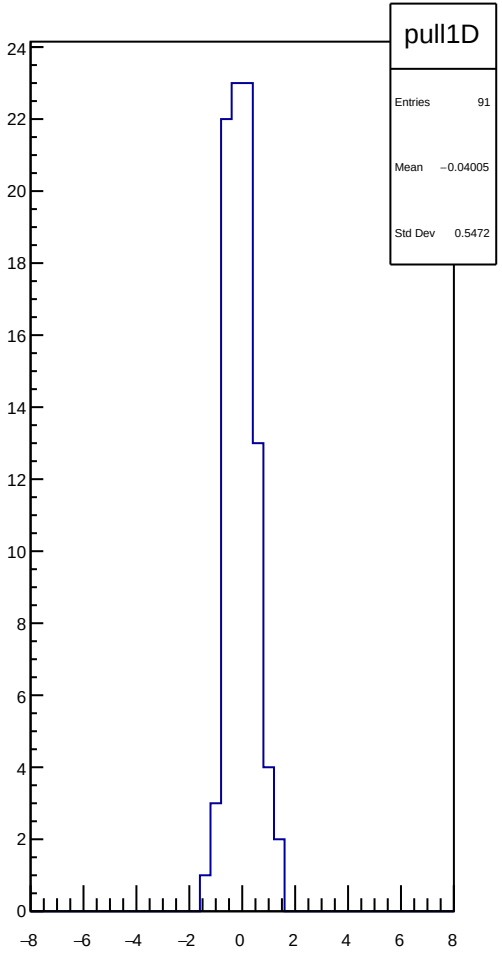

pull1D
Entries 91
Mean 0.00534
Std Dev 0.353

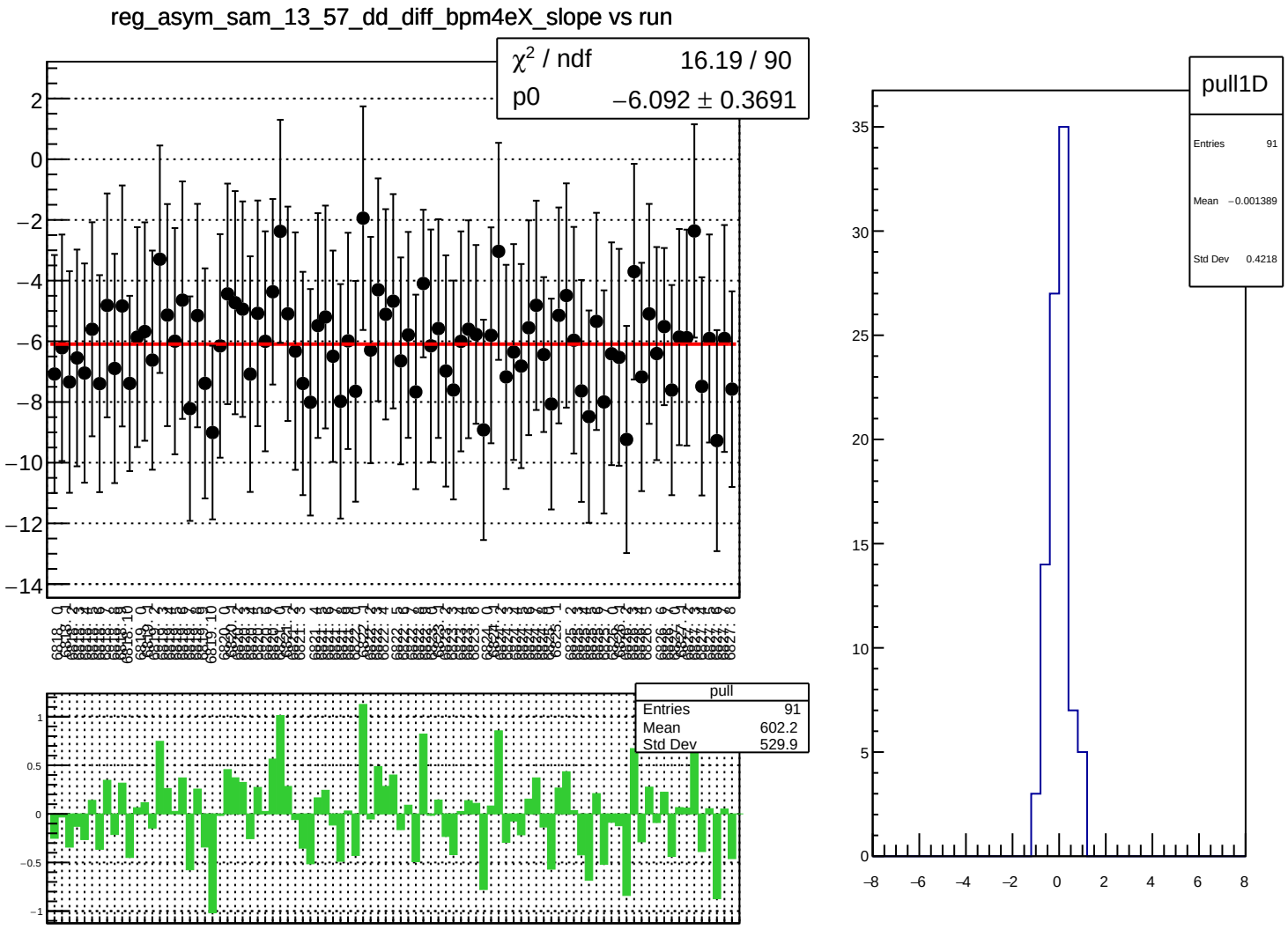

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.33 / 90
p0 −0.2021± 0.0368
pull
Entries 91
Mean −505.2
Std Dev 547.8
pull1D
Entries 91
Mean −0.01109
Std Dev 0.3367

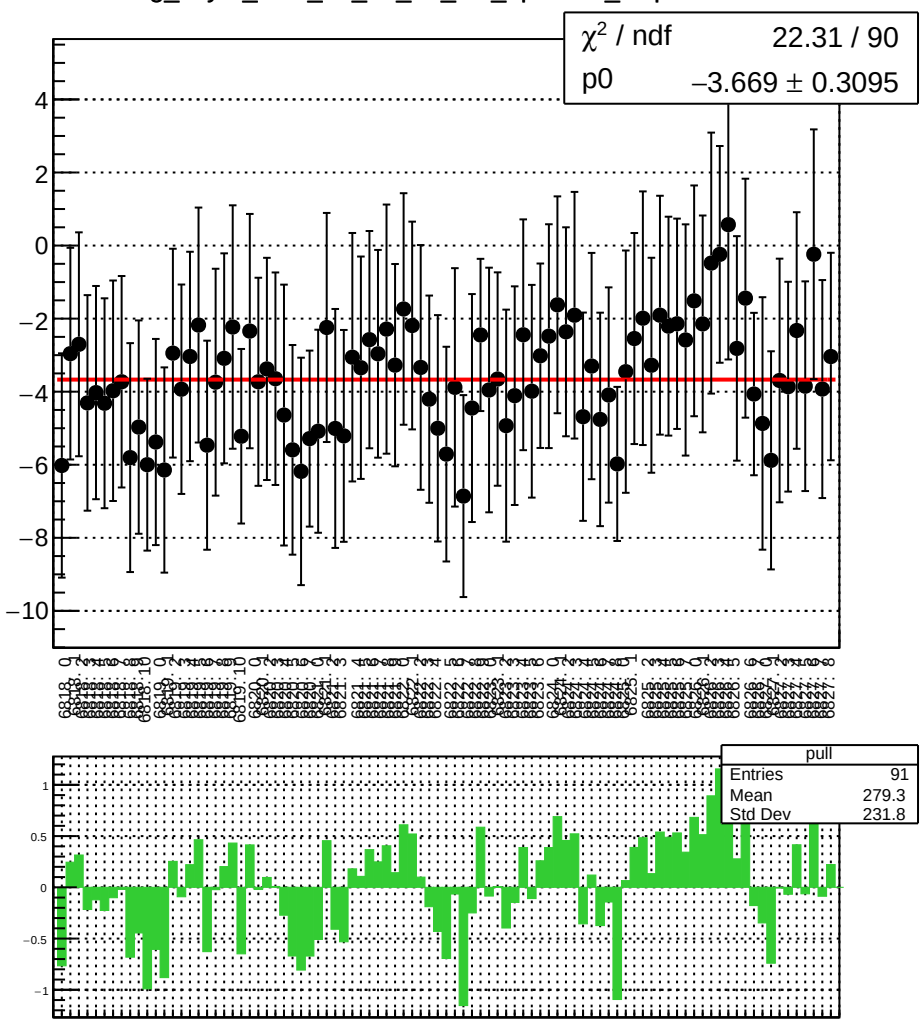

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 13.26 / 90
p0 −18.43 ± 0.3946
pull
Entries 91
Mean −94.79
Std Dev 167.4

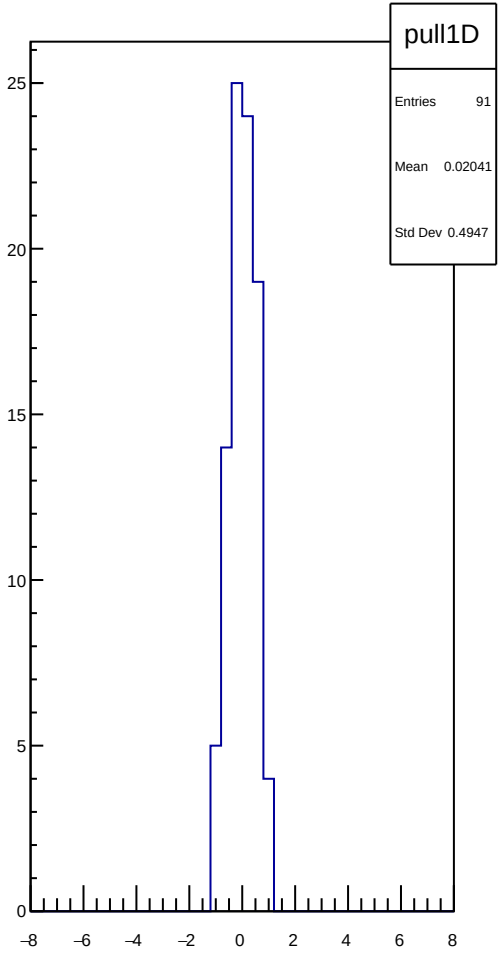

pull1D
Entries 91
Mean −0.003491
Std Dev 0.3817

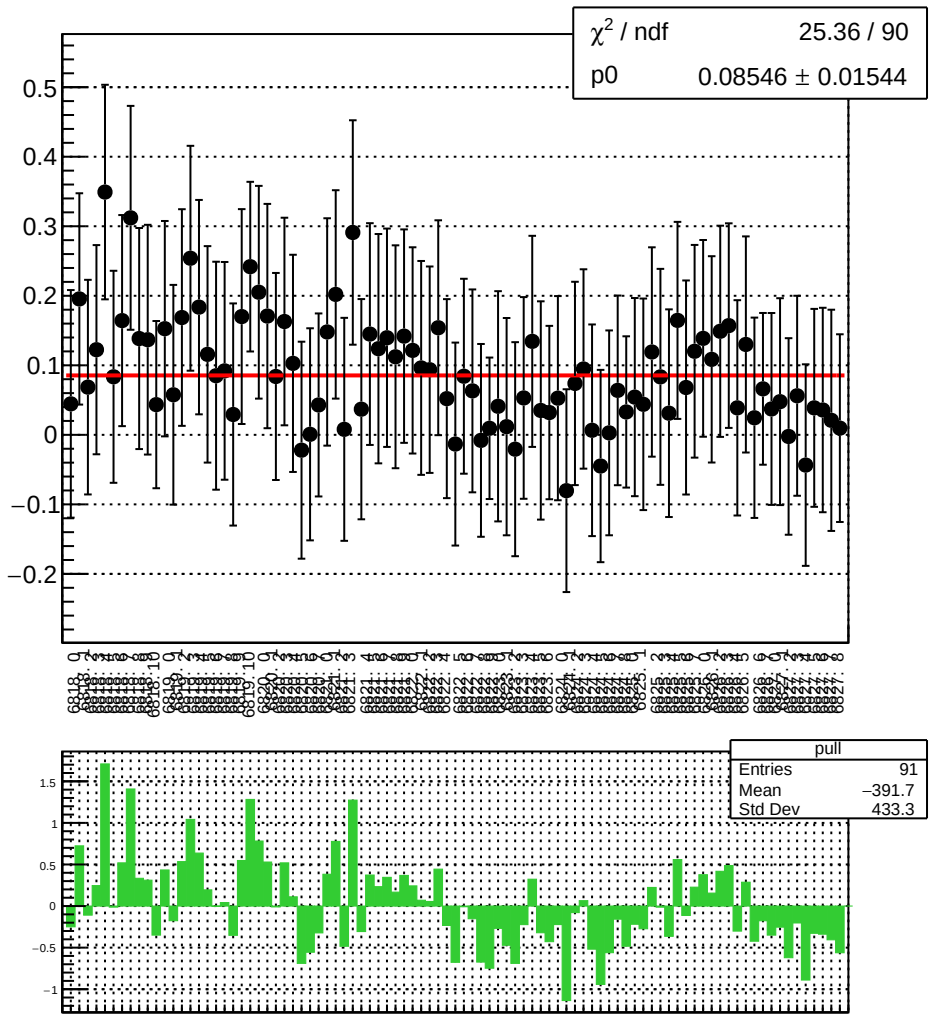

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.39 / 90
p0 −33.77 ± 0.2669
pull
Entries 91
Mean 190.9
Std Dev 144

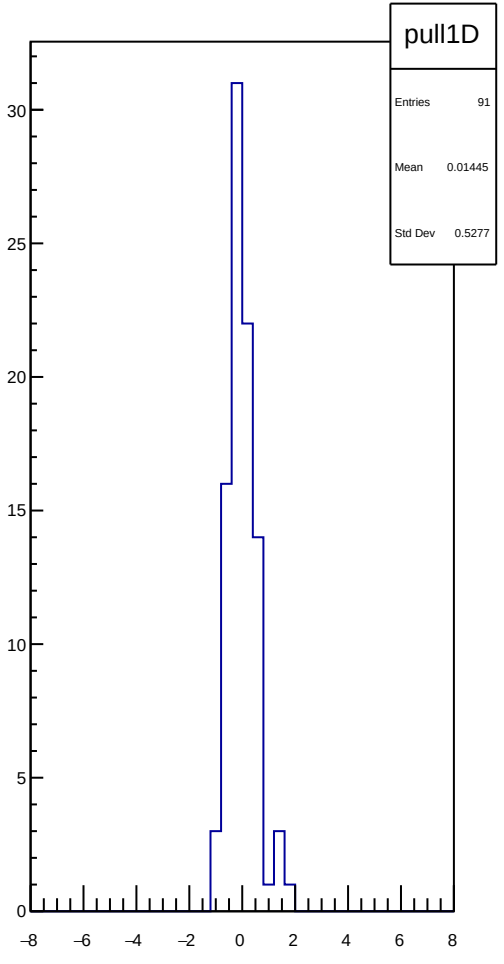

pull1D
Entries 91
Mean −0.04005
Std Dev 0.5472

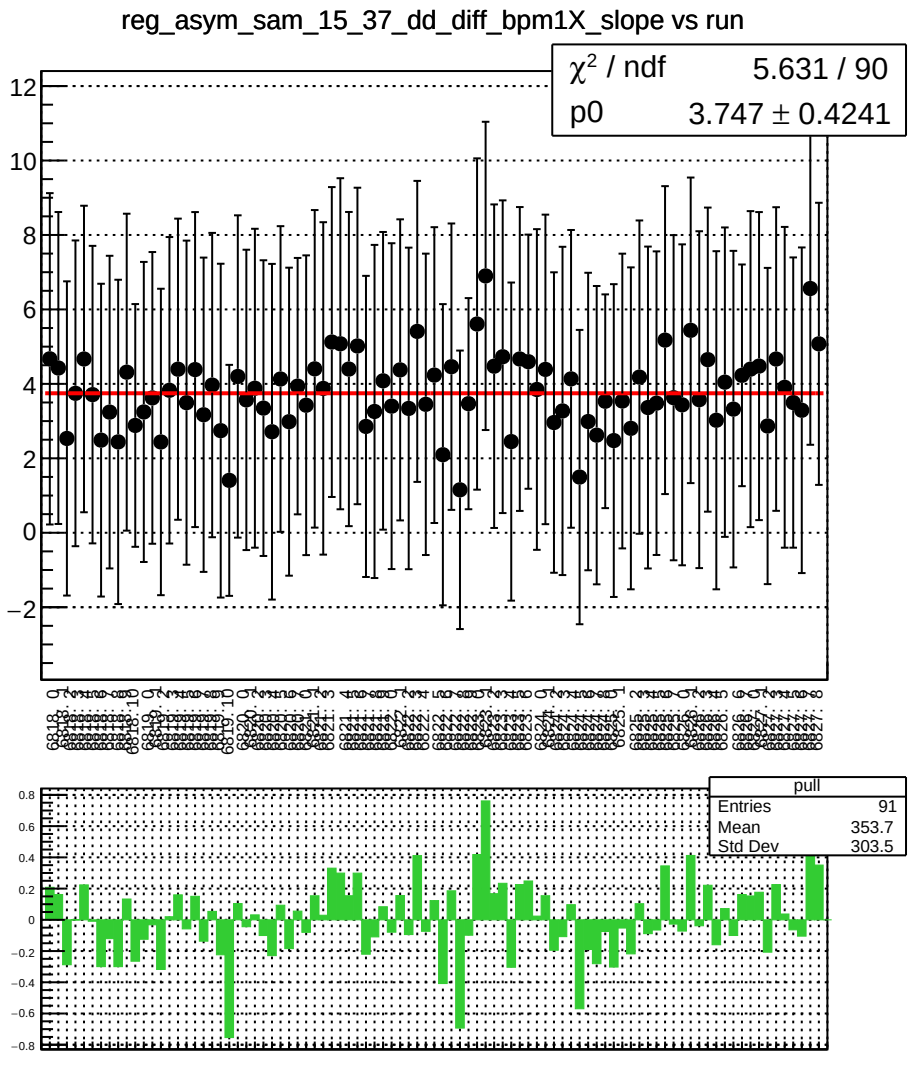

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.19 / 90
p0 −6.092 ± 0.3691
pull
Entries 91
Mean 602.2
Std Dev 529.9
pull1D
Entries 91
Mean −0.001389
Std Dev 0.4218

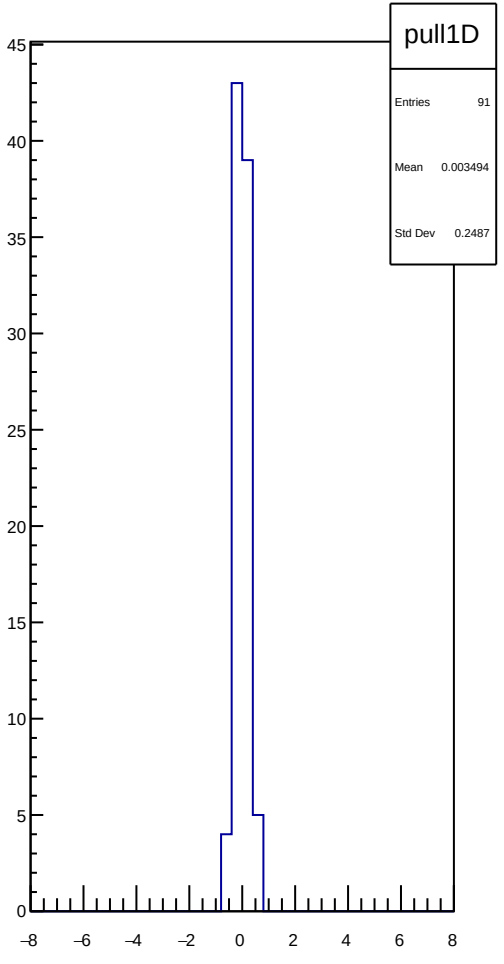

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.31 / 90
p0 −3.669 ± 0.3095
pull
Entries 91
Mean 279.3
Std Dev 231.8

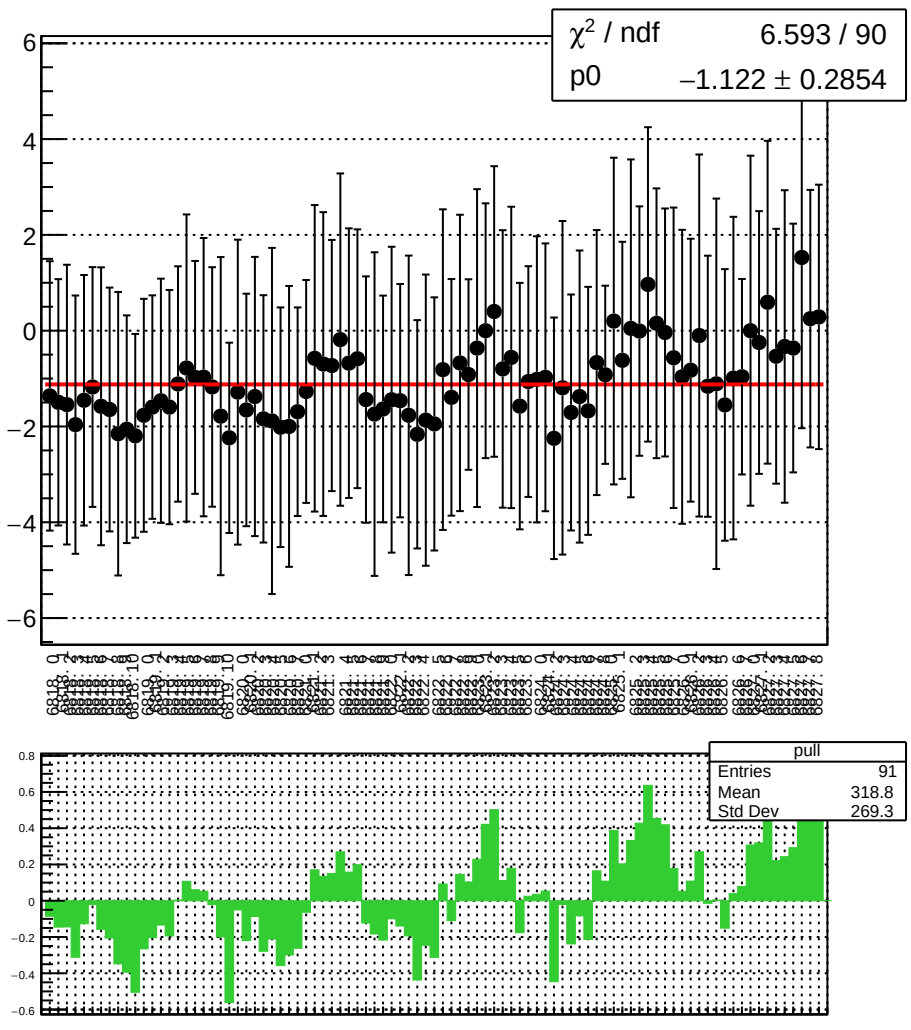

pull1D
Entries 91
Mean 0.02041
Std Dev 0.4947

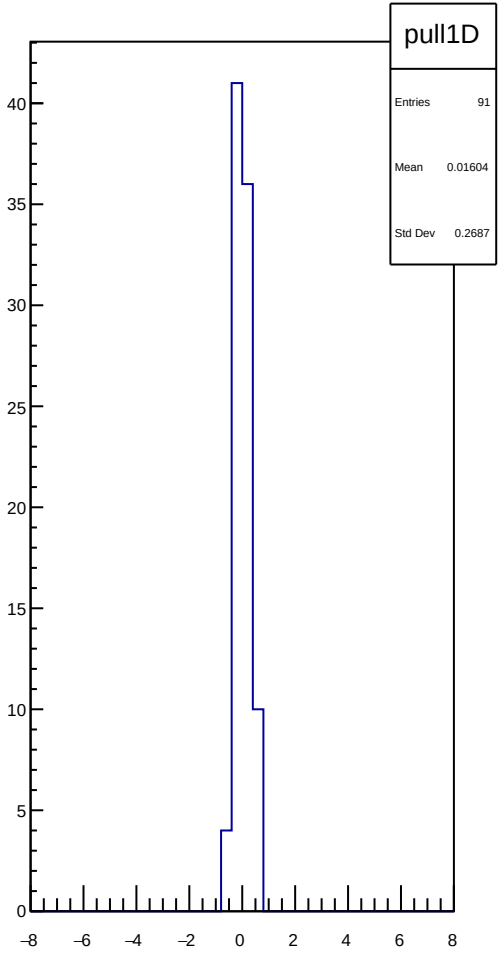

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 25.36 / 90
p0 0.08546 ± 0.01544
pull
Entries 91
Mean −391.7
Std Dev 433.3

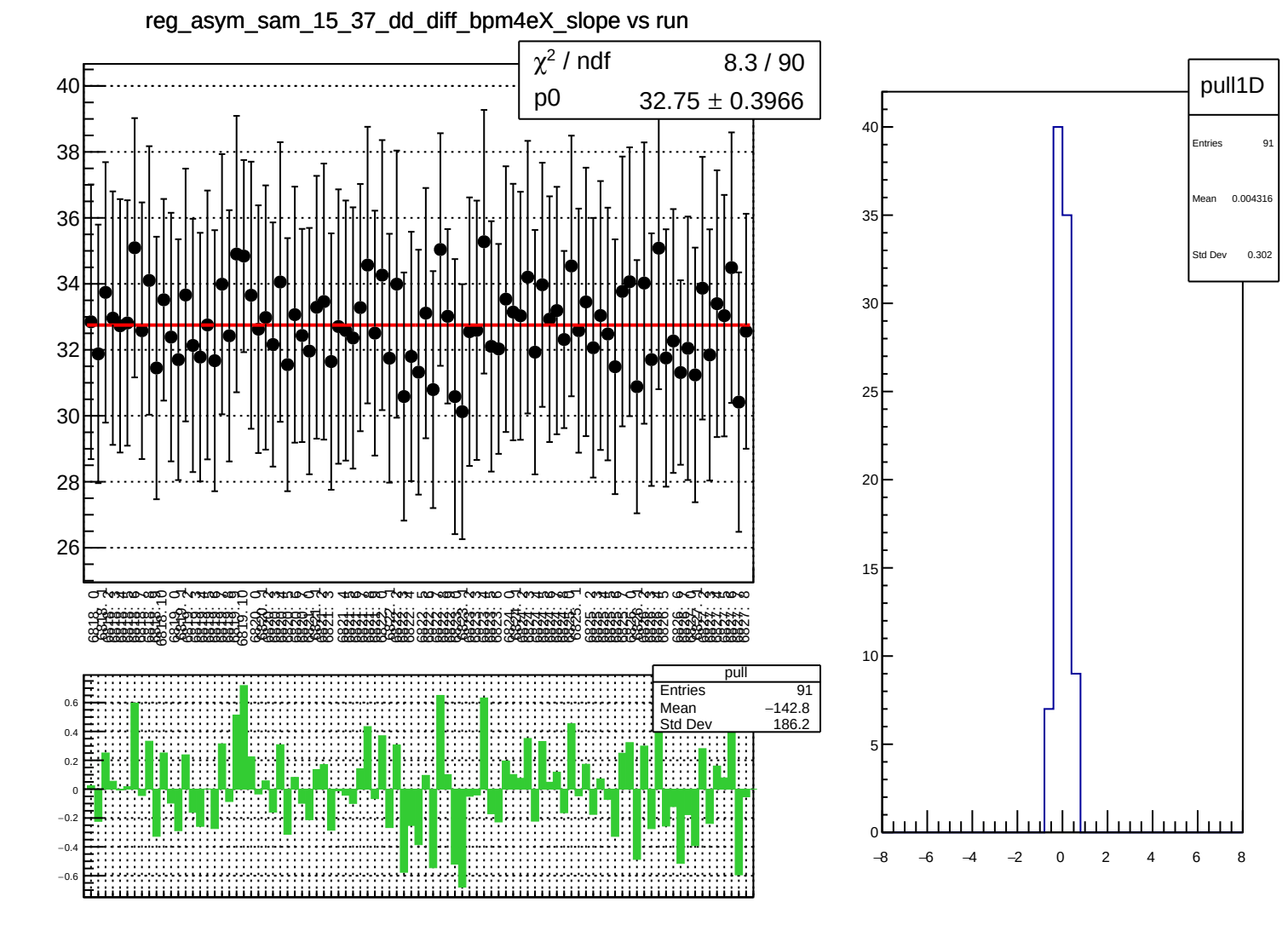

pull1D
Entries 91
Mean 0.01445
Std Dev 0.5277

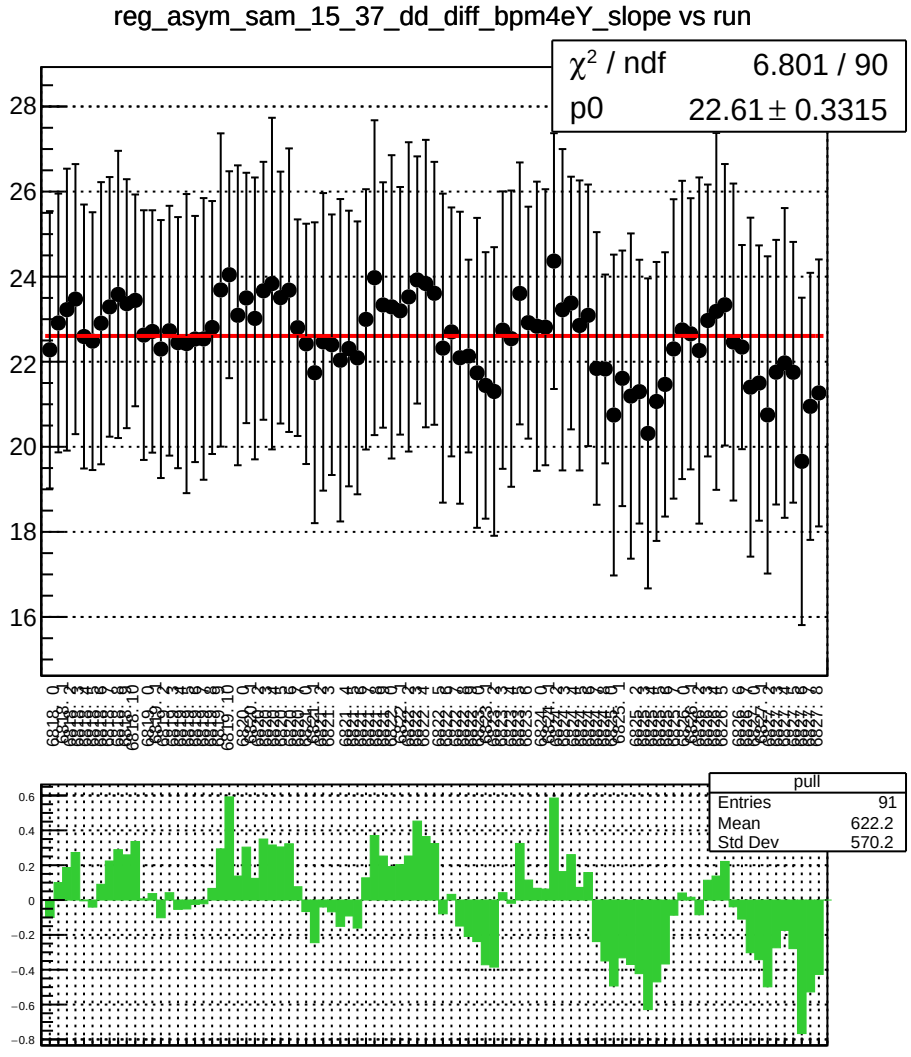

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 5.631 / 90
p0 3.747 ± 0.4241
pull
Entries 91
Mean 353.7
Std Dev 303.5

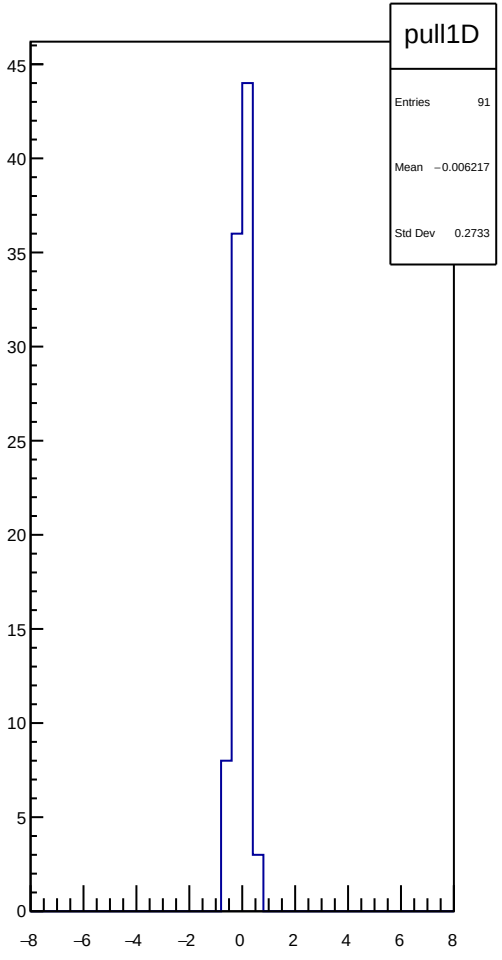

pull1D
Entries 91
Mean 0.003494
Std Dev 0.2487

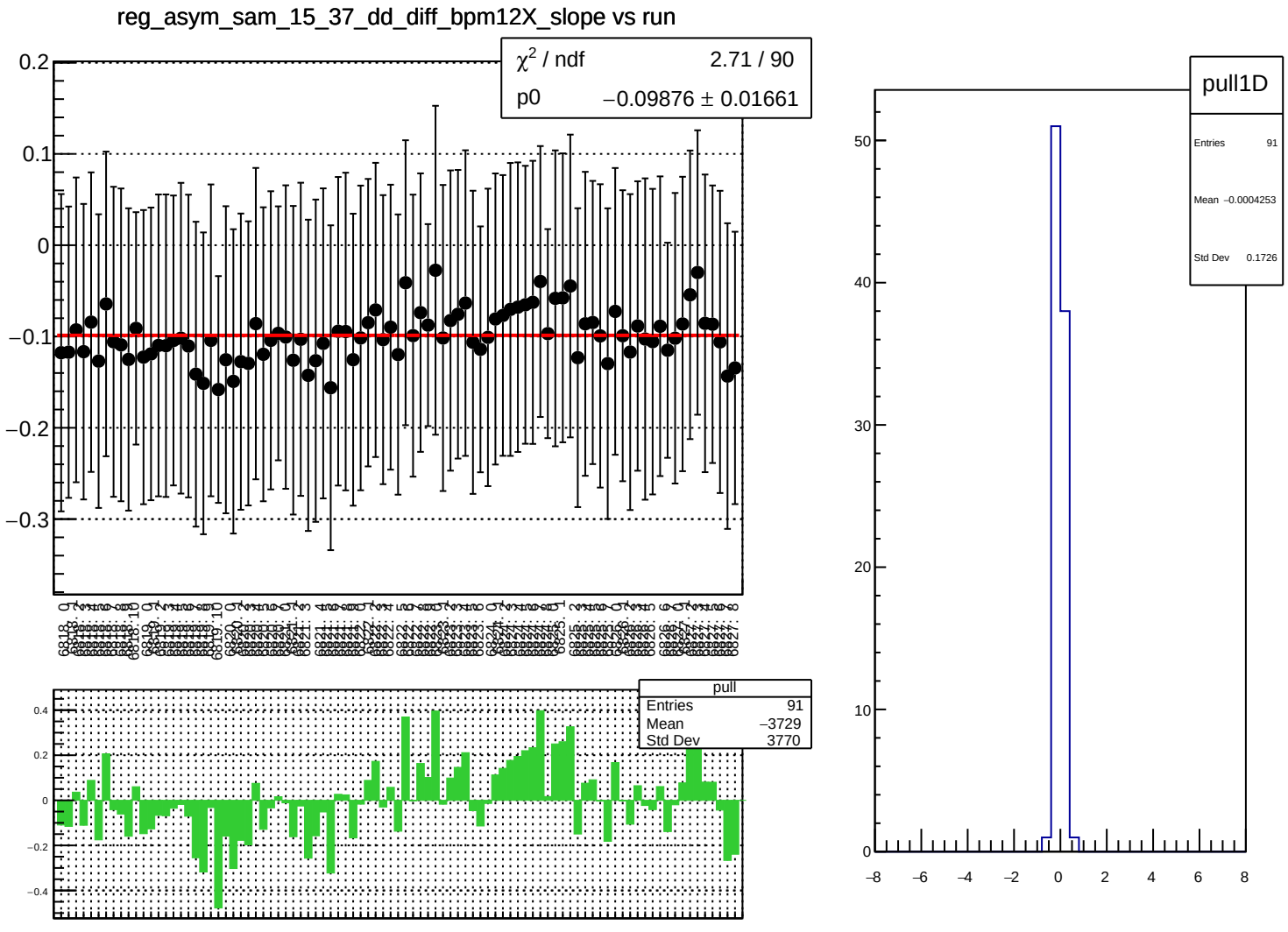

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.593 / 90
p0 −1.122 ± 0.2854
pull
Entries 91
Mean 318.8
Std Dev 269.3

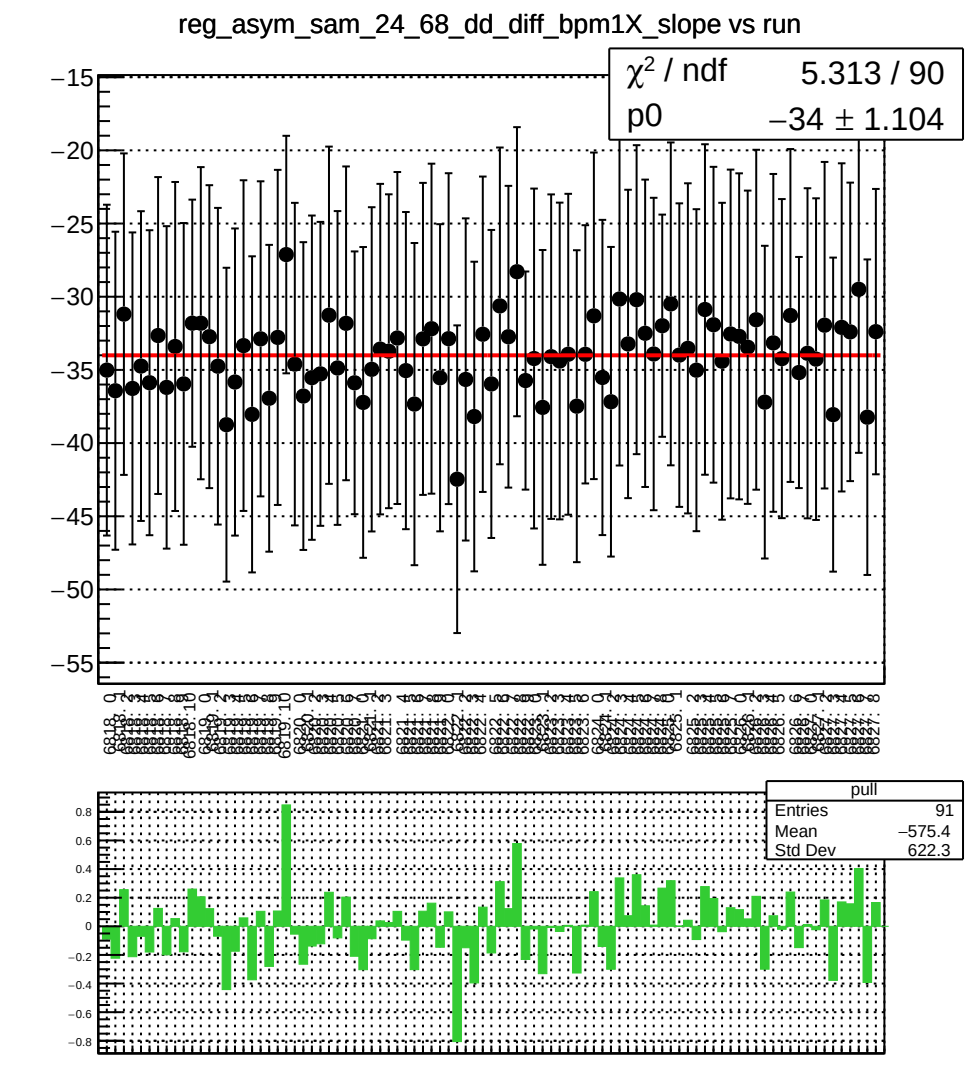

pull1D
Entries 91
Mean 0.01604
Std Dev 0.2687

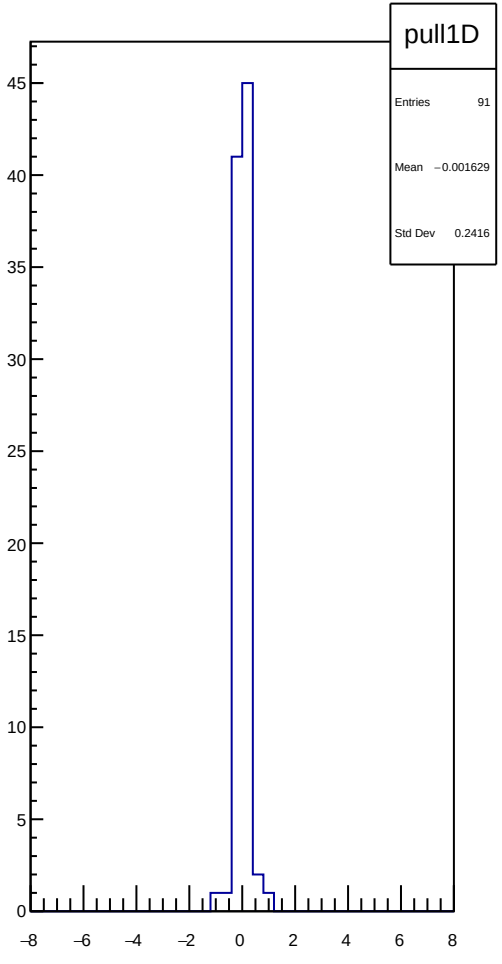

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.3 / 90
p0 32.75 ± 0.3966
pull
Entries 91
Mean −142.8
Std Dev 186.2
pull1D
Entries 91
Mean 0.004316
Std Dev 0.302

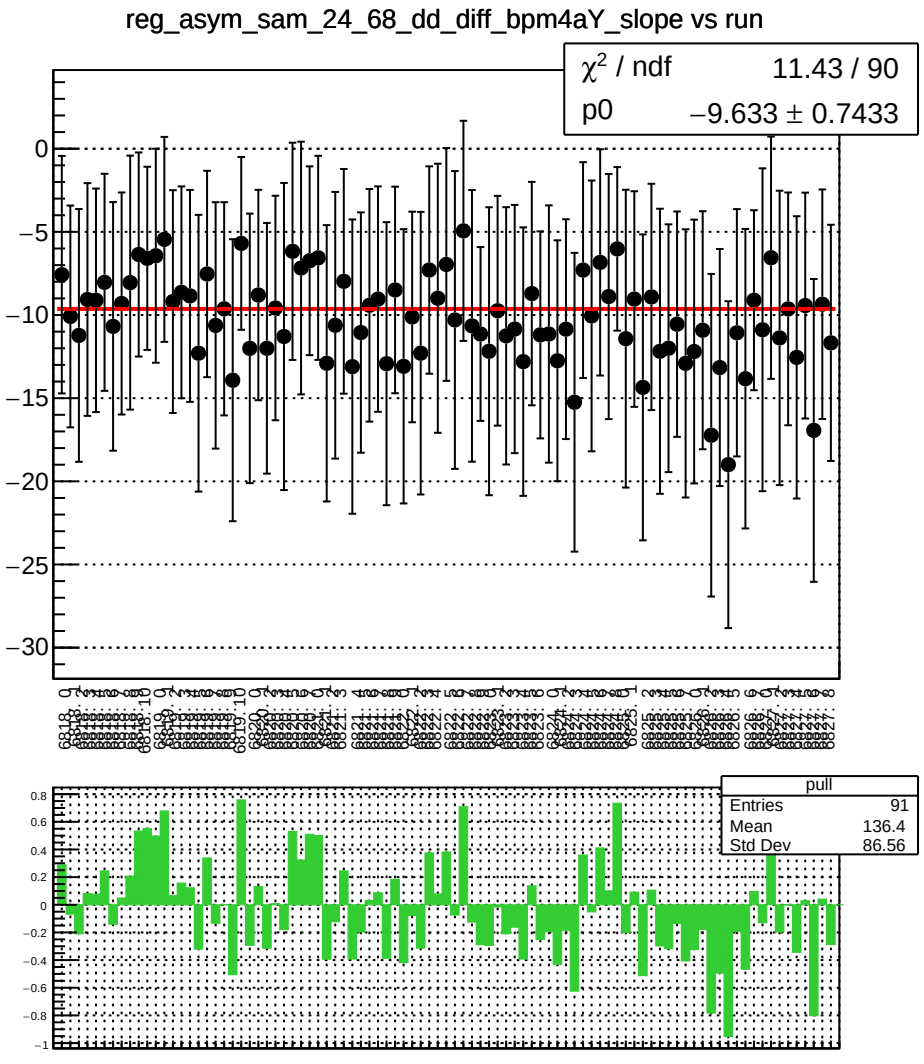

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.801 / 90
p0 22.61 ± 0.3315
pull
Entries 91
Mean 622.2
Std Dev 570.2

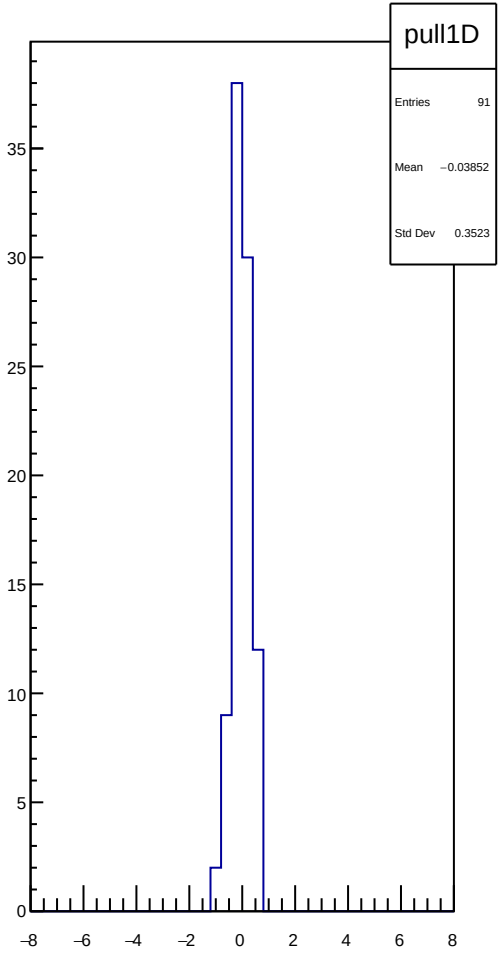

pull1D
Entries 91
Mean −0.006217
Std Dev 0.2733

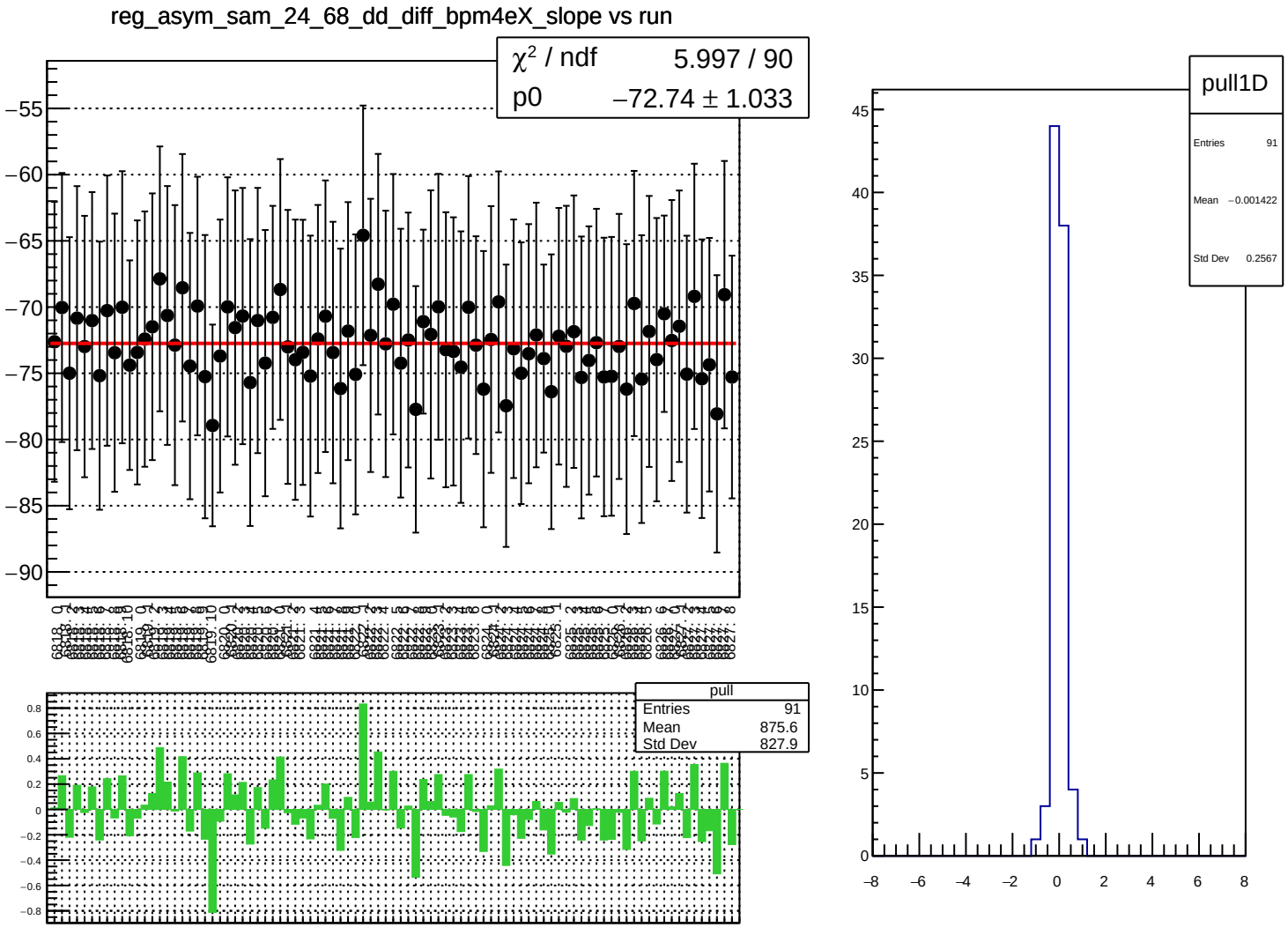

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.71 / 90
p0 −0.09876 ± 0.01661
pull
Entries 91
Mean −3729
Std Dev 3770
pull1D
Entries 91
Mean −0.0004253
Std Dev 0.1726

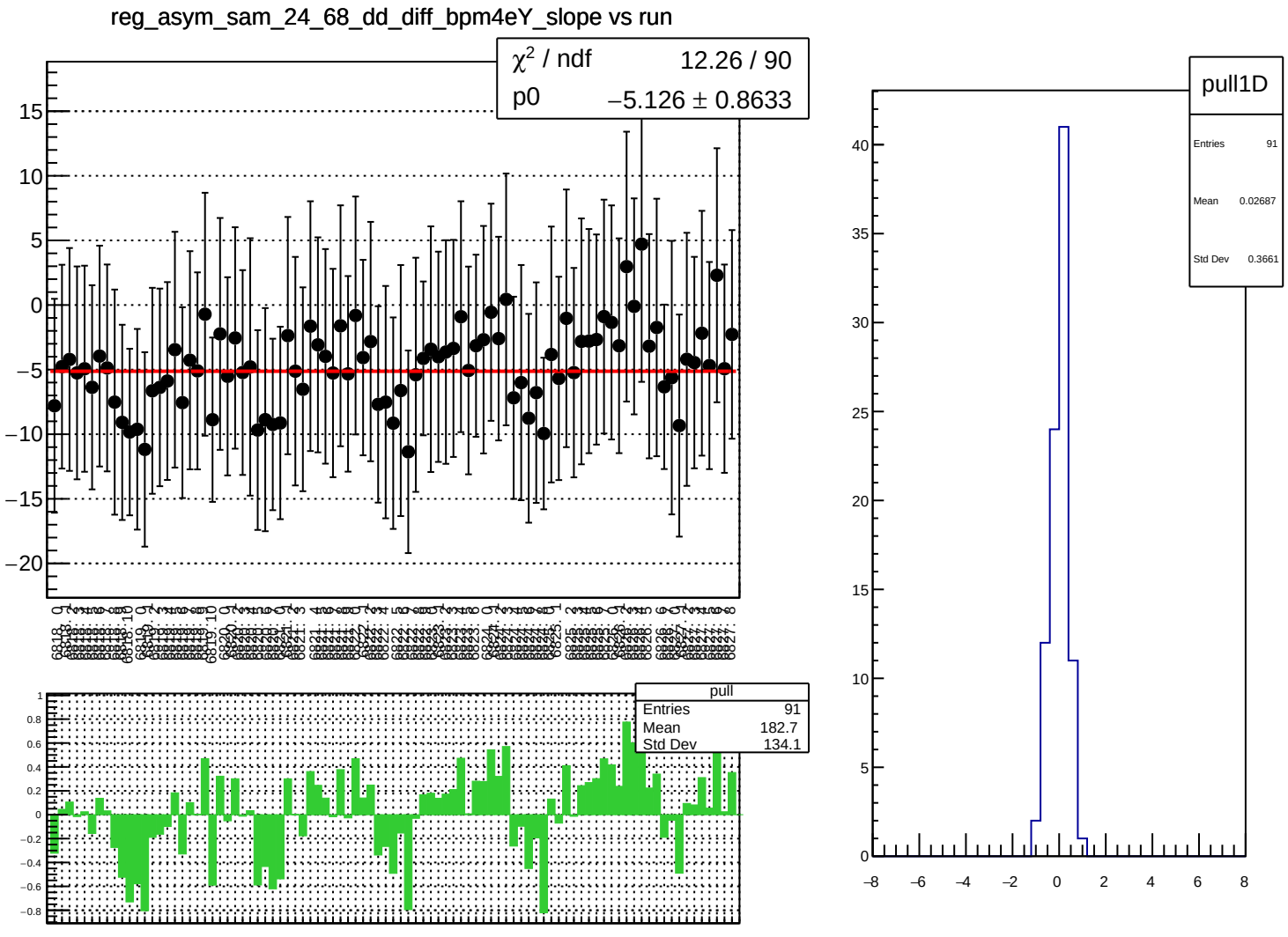

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 5.313 / 90
p0 −34 ± 1.104
pull
Entries 91
Mean −575.4
Std Dev 622.3

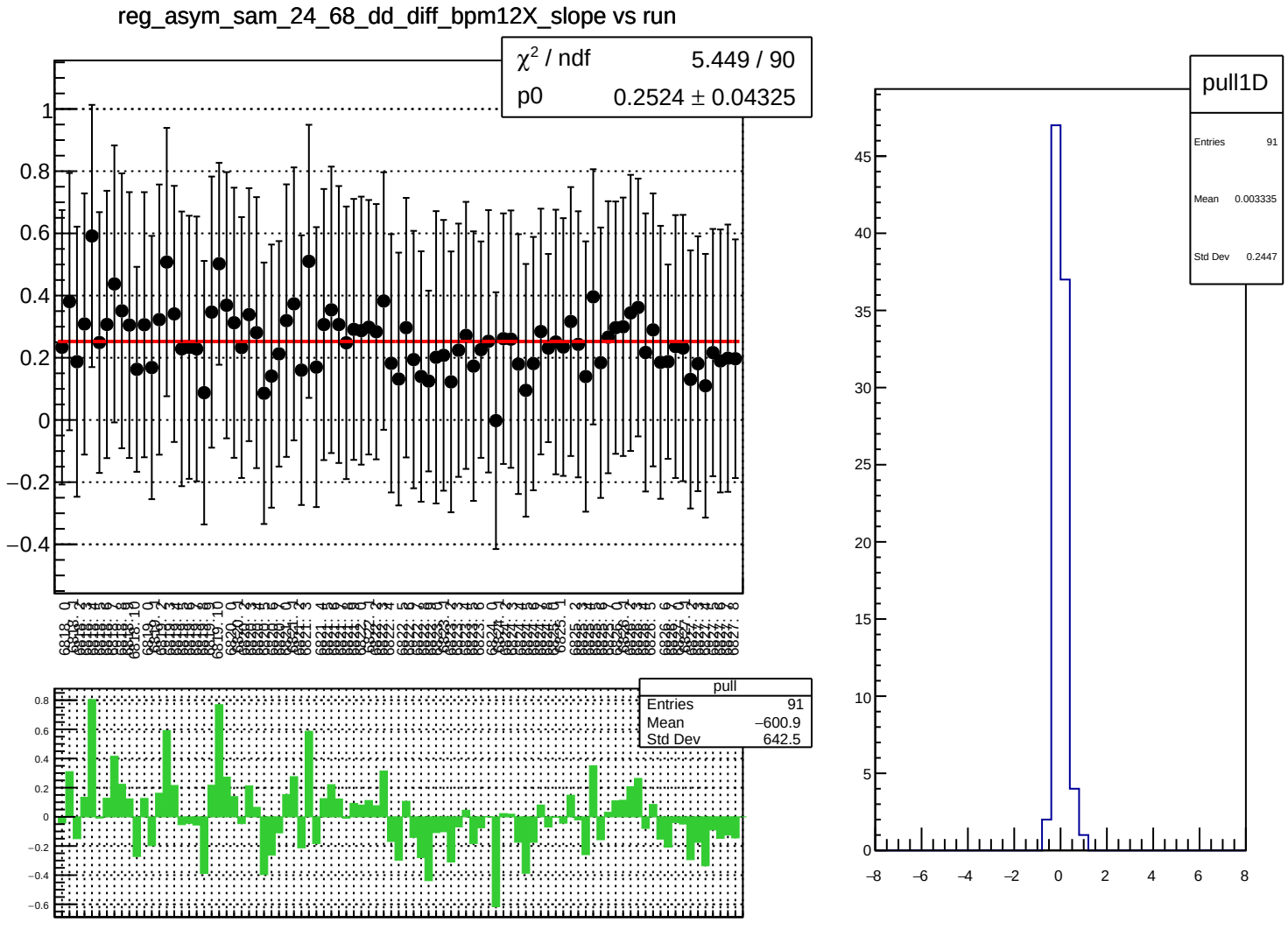

pull1D
Entries 91
Mean −0.001629
Std Dev 0.2416

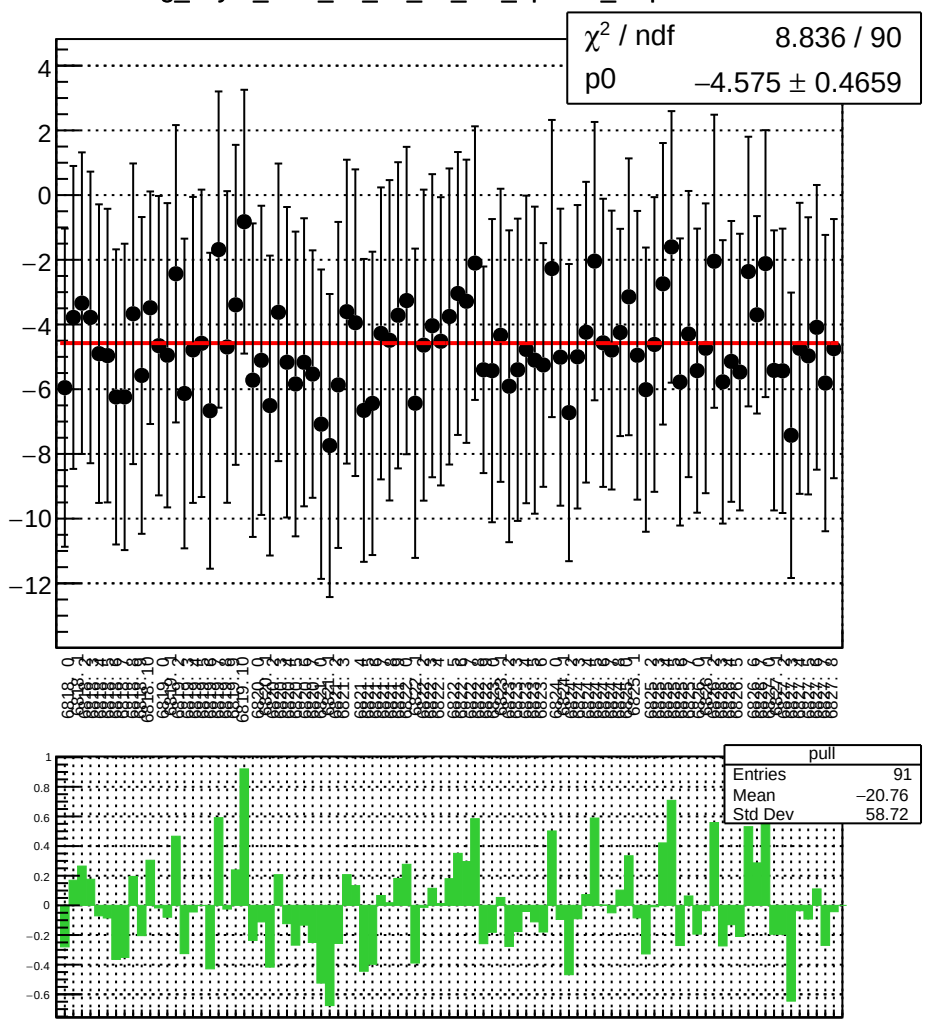

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.43 / 90
p0 −9.633 ± 0.7433
pull
Entries 91
Mean 136.4
Std Dev 86.56

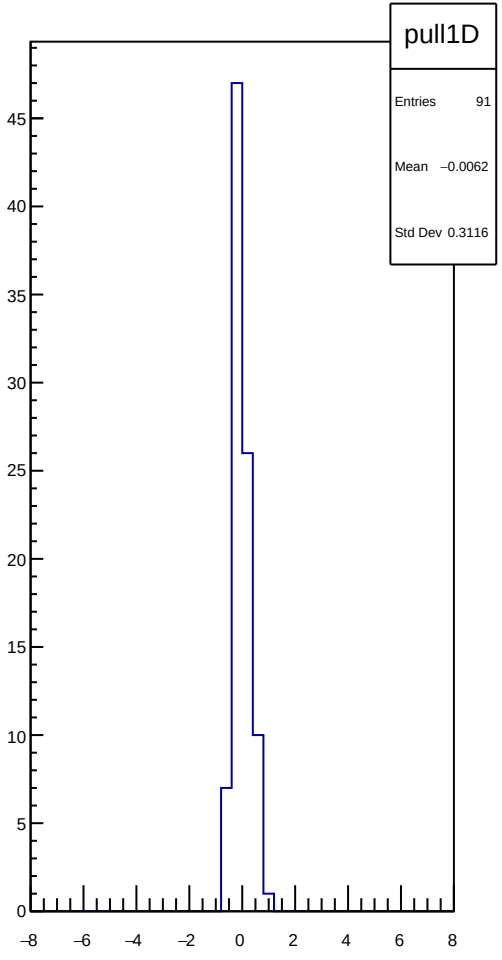

pull1D
Entries 91
Mean −0.03852
Std Dev 0.3523

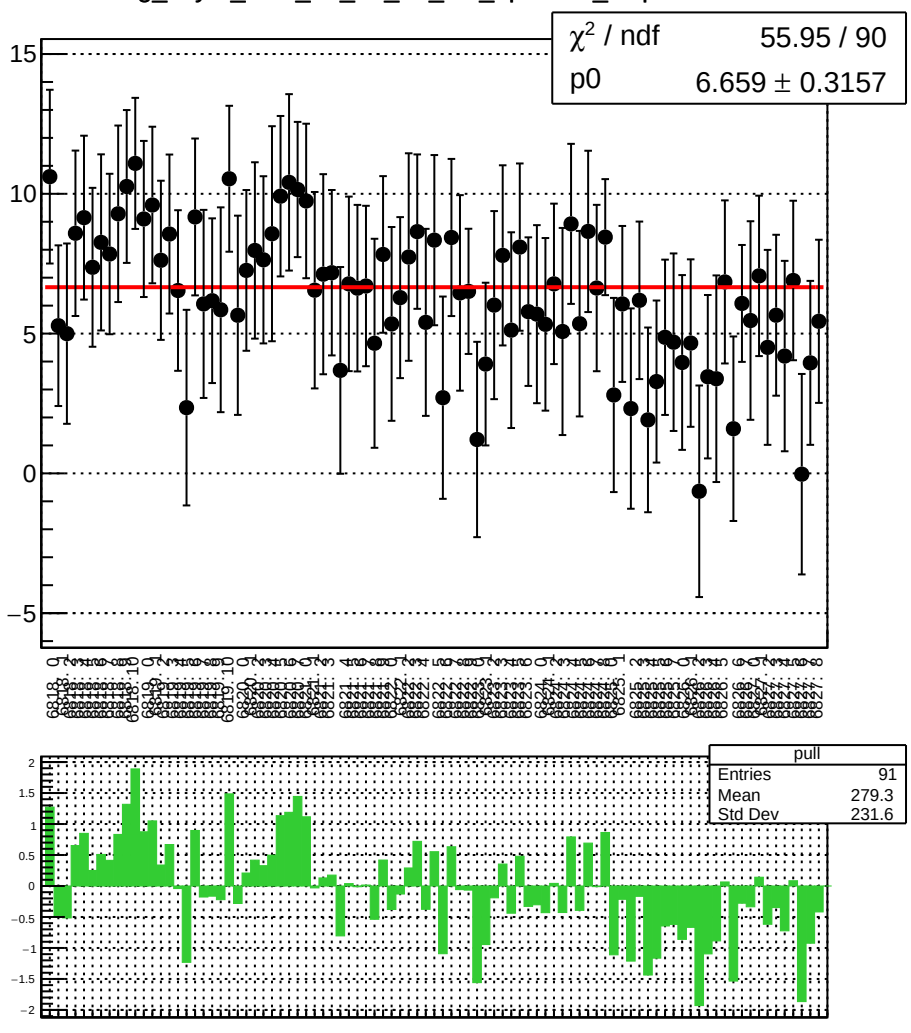

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.997 / 90
p0 −72.74 ± 1.033
pull
Entries 91
Mean 875.6
Std Dev 827.9
pull1D
Entries 91
Mean −0.001422
Std Dev 0.2567

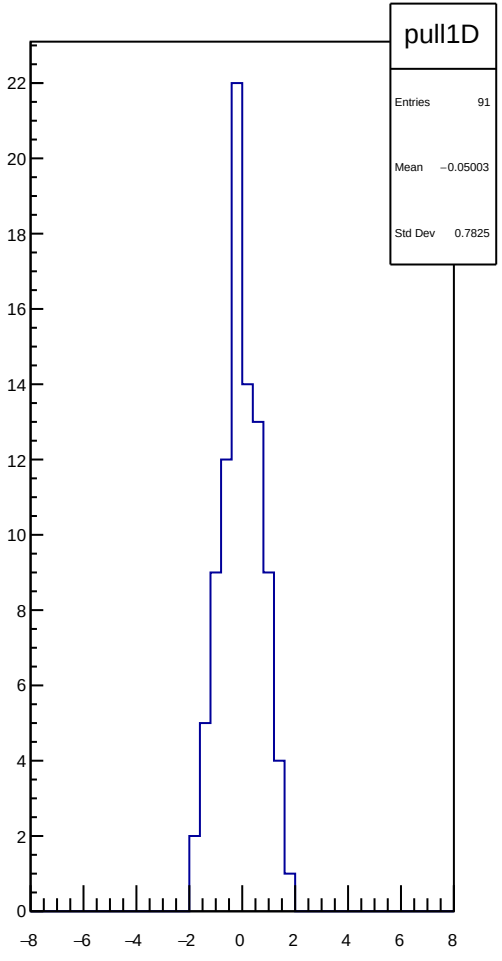

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.26 / 90
p0 −5.126 ± 0.8633
pull
Entries 91
Mean 182.7
Std Dev 134.1
pull1D
Entries 91
Mean 0.02687
Std Dev 0.3661

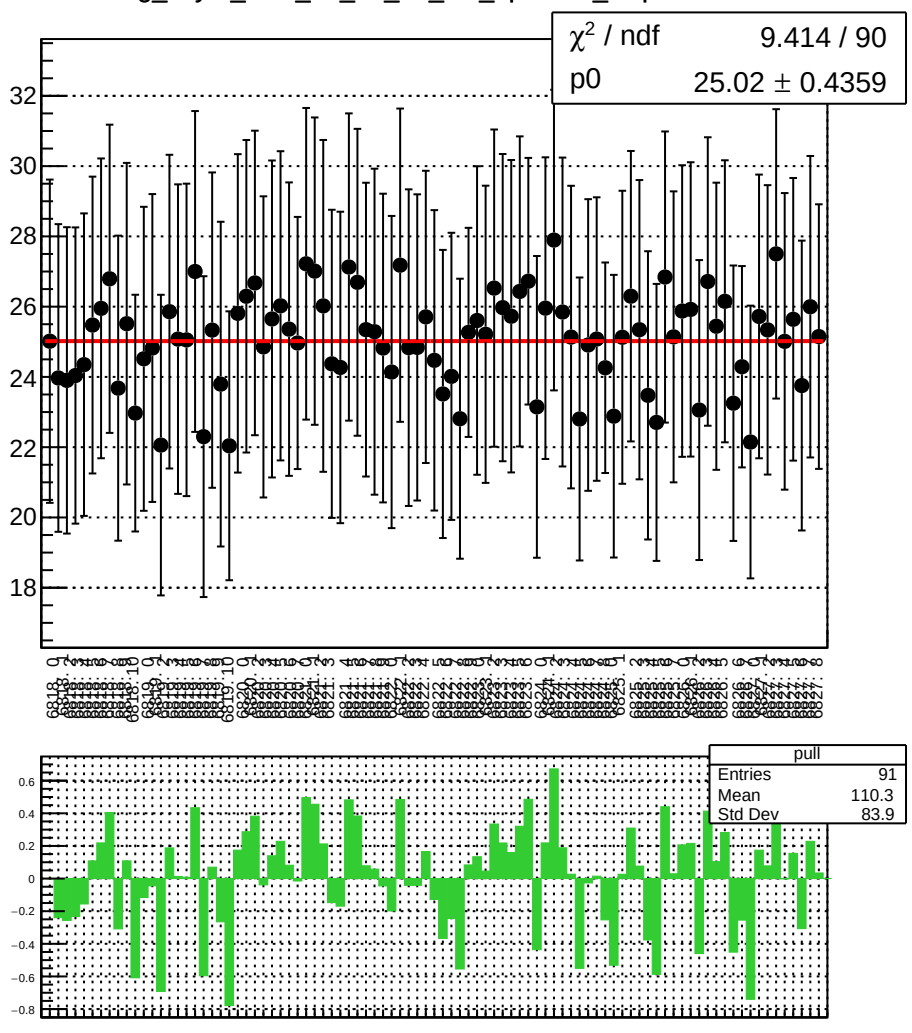

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 5.449 / 90
p0 0.2524 ± 0.04325
pull
Entries 91
Mean −600.9
Std Dev 642.5
pull1D
Entries 91
Mean 0.003335
Std Dev 0.2447

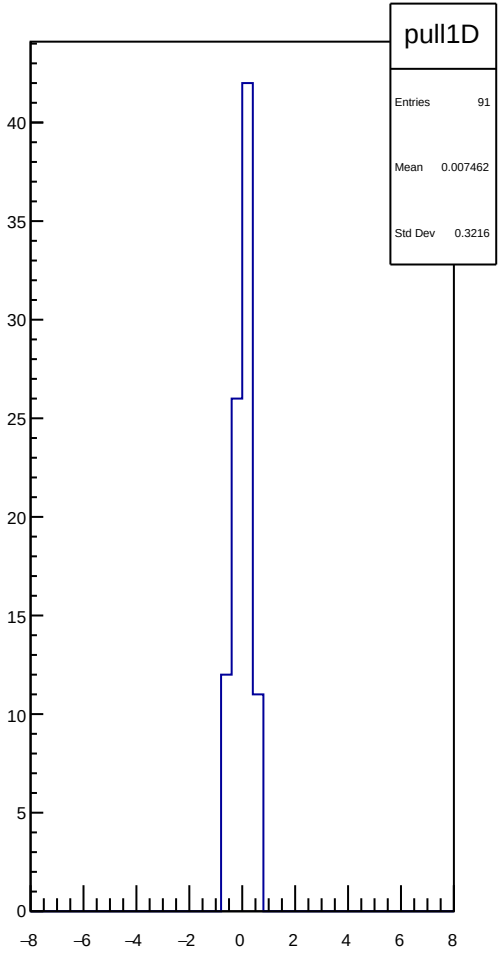

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 8.836 / 90
p0 −4.575 ± 0.4659
pull
Entries 91
Mean −20.76
Std Dev 58.72

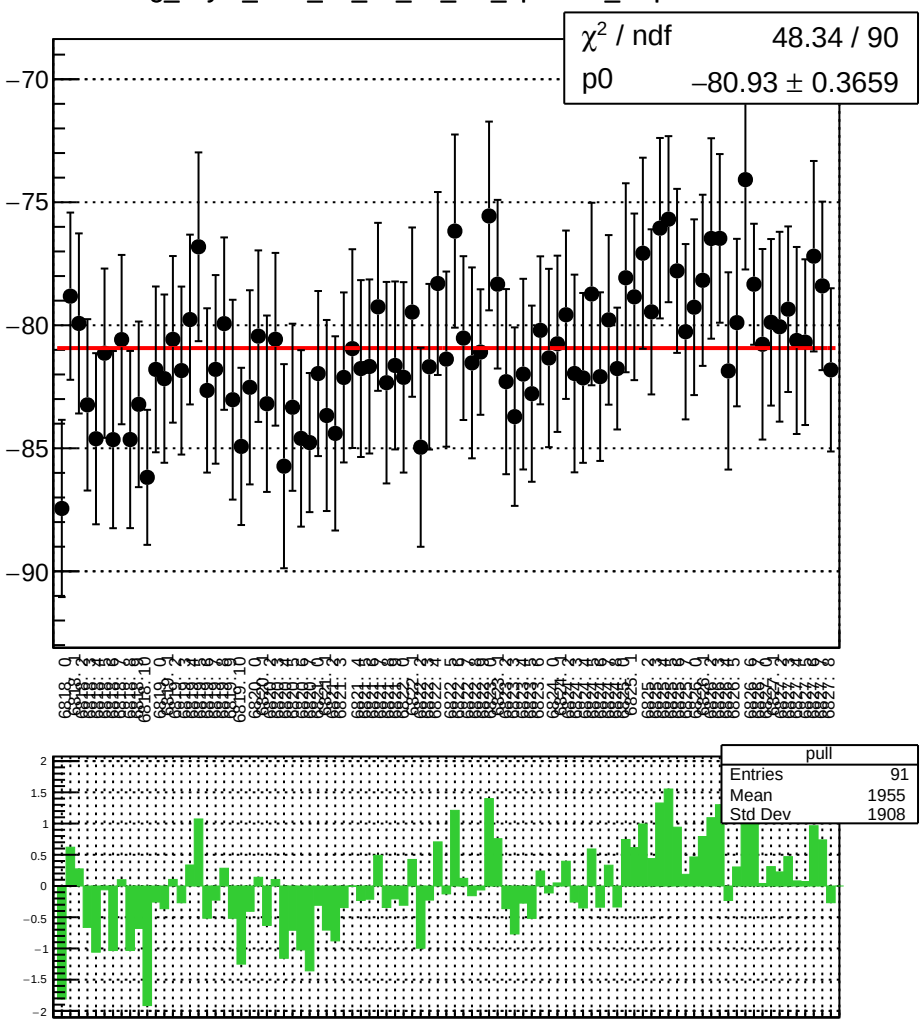

pull1D
Entries 91
Mean −0.0062
Std Dev 0.3116

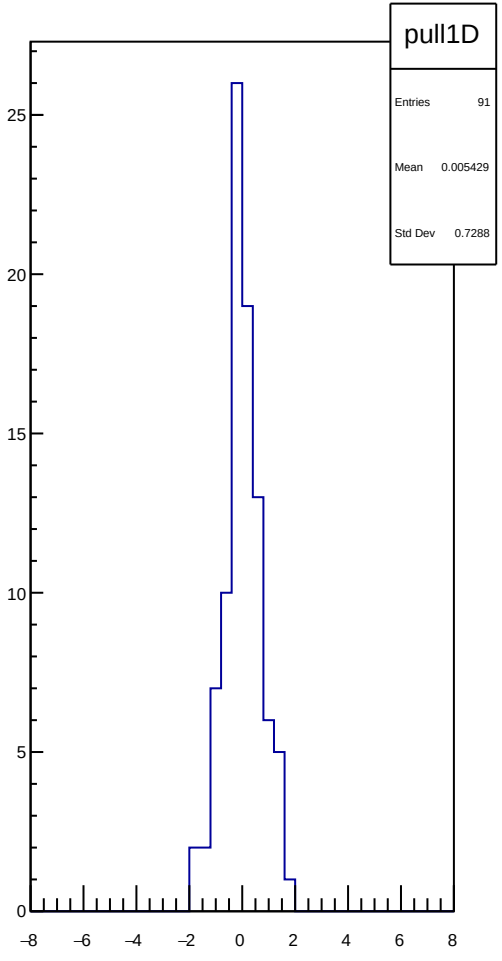

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.95 / 90
p0 6.659 ± 0.3157
pull
Entries 91
Mean 279.3
Std Dev 231.6

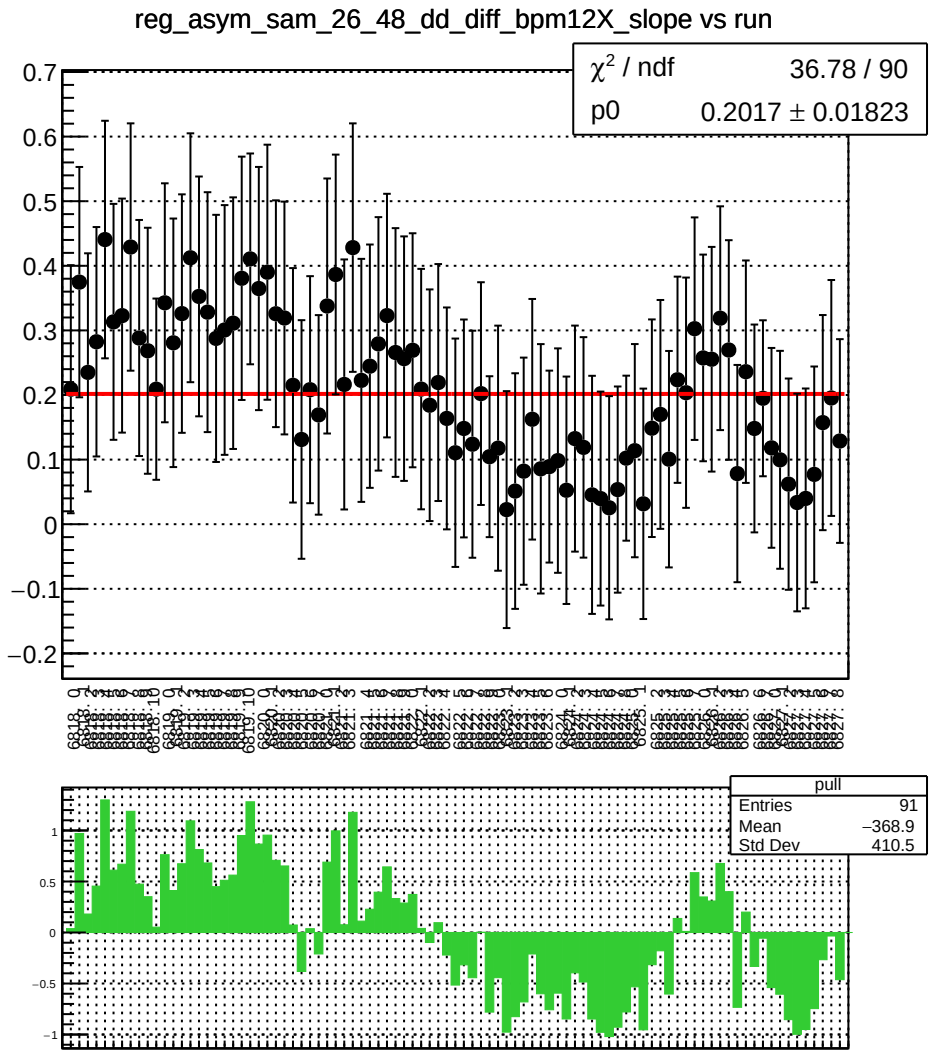

pull1D
Entries 91
Mean −0.05003
Std Dev 0.7825

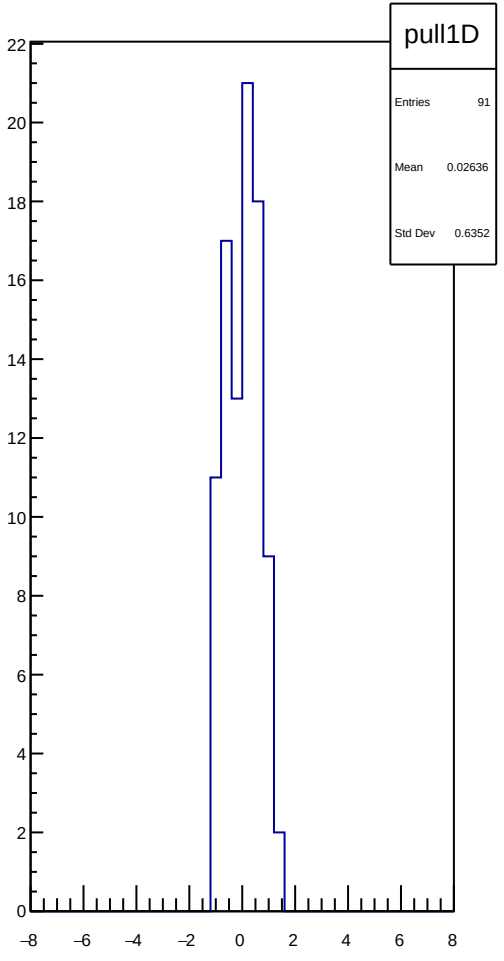

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.414 / 90
p0 25.02 ± 0.4359
pull
Entries 91
Mean 110.3
Std Dev 83.9

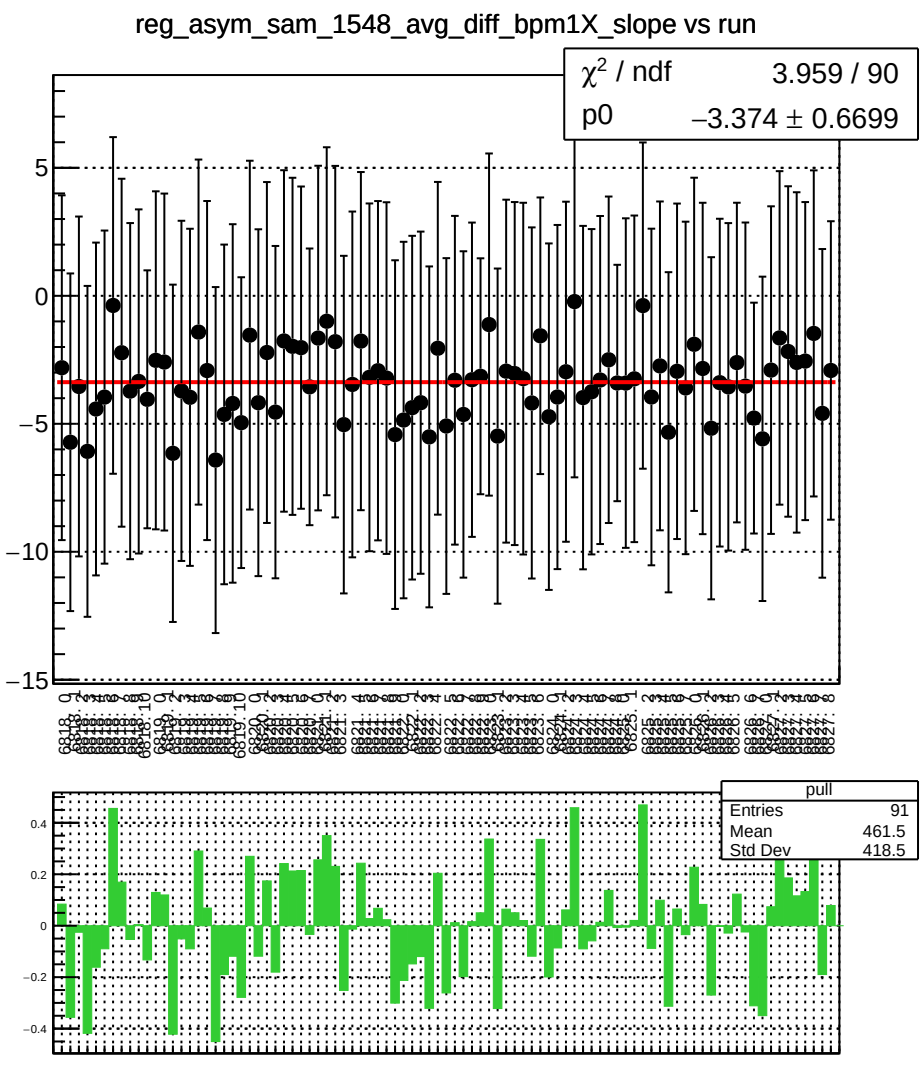

pull1D
Entries 91
Mean 0.007462
Std Dev 0.3216

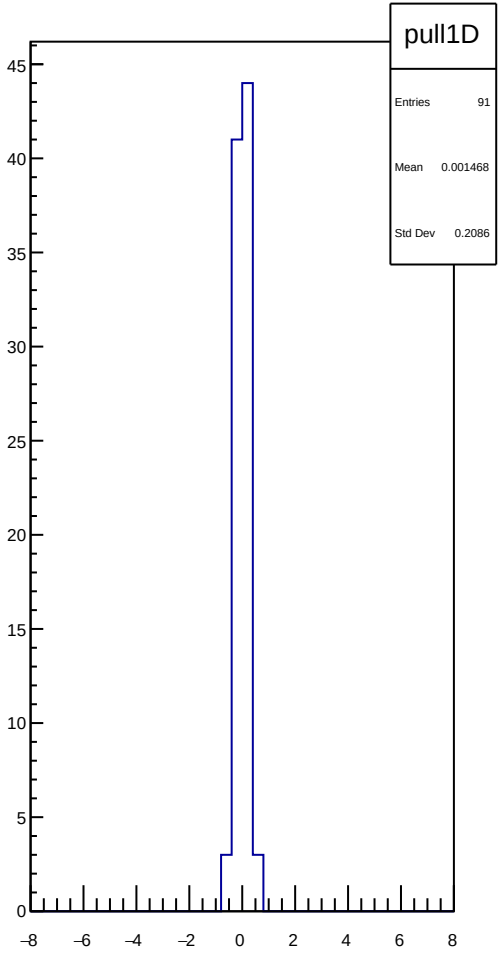

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.34 / 90
p0 −80.93 ± 0.3659
pull
Entries 91
Mean 1955
Std Dev 1908

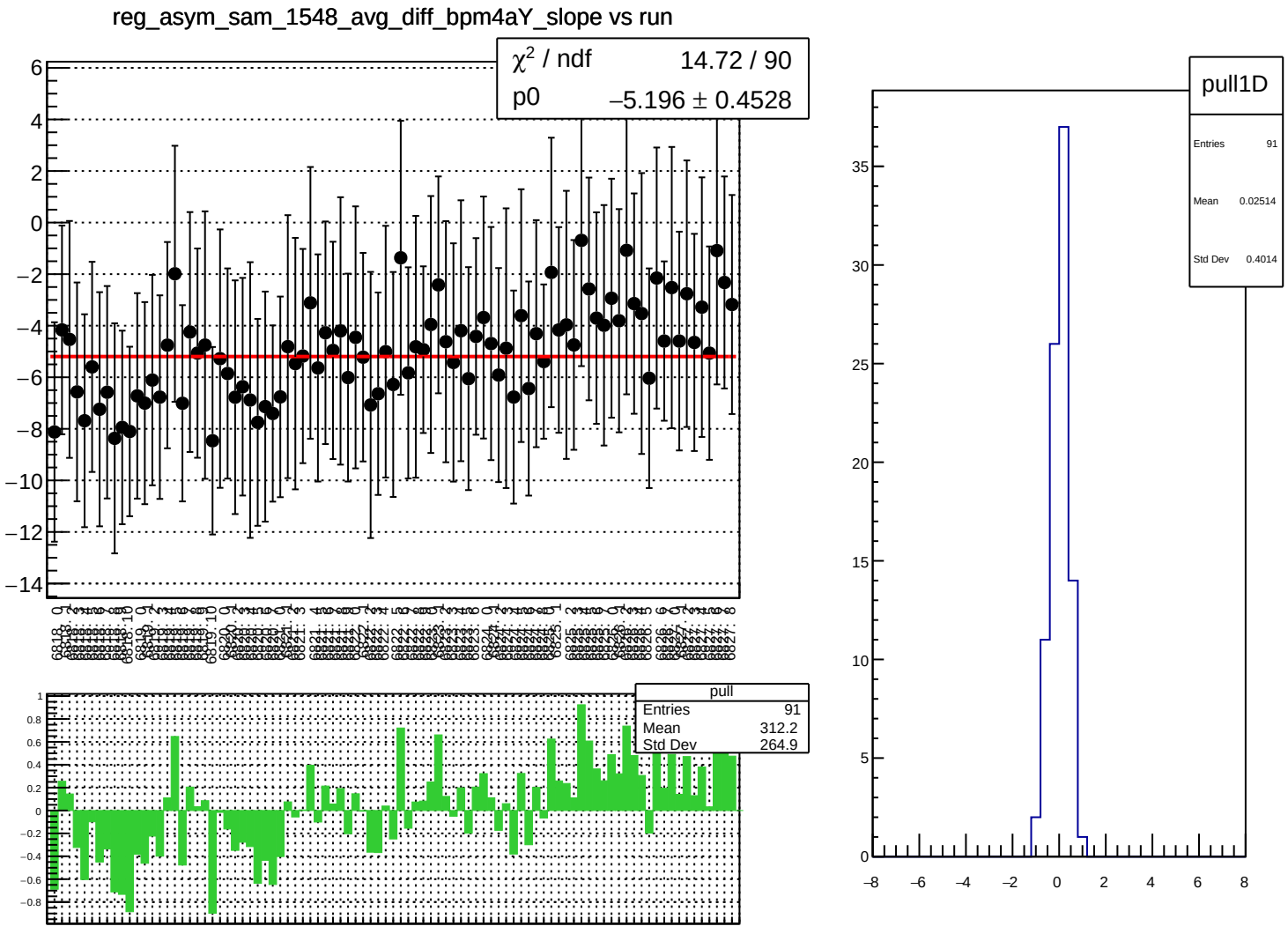

pull1D
Entries 91
Mean 0.005429
Std Dev 0.7288

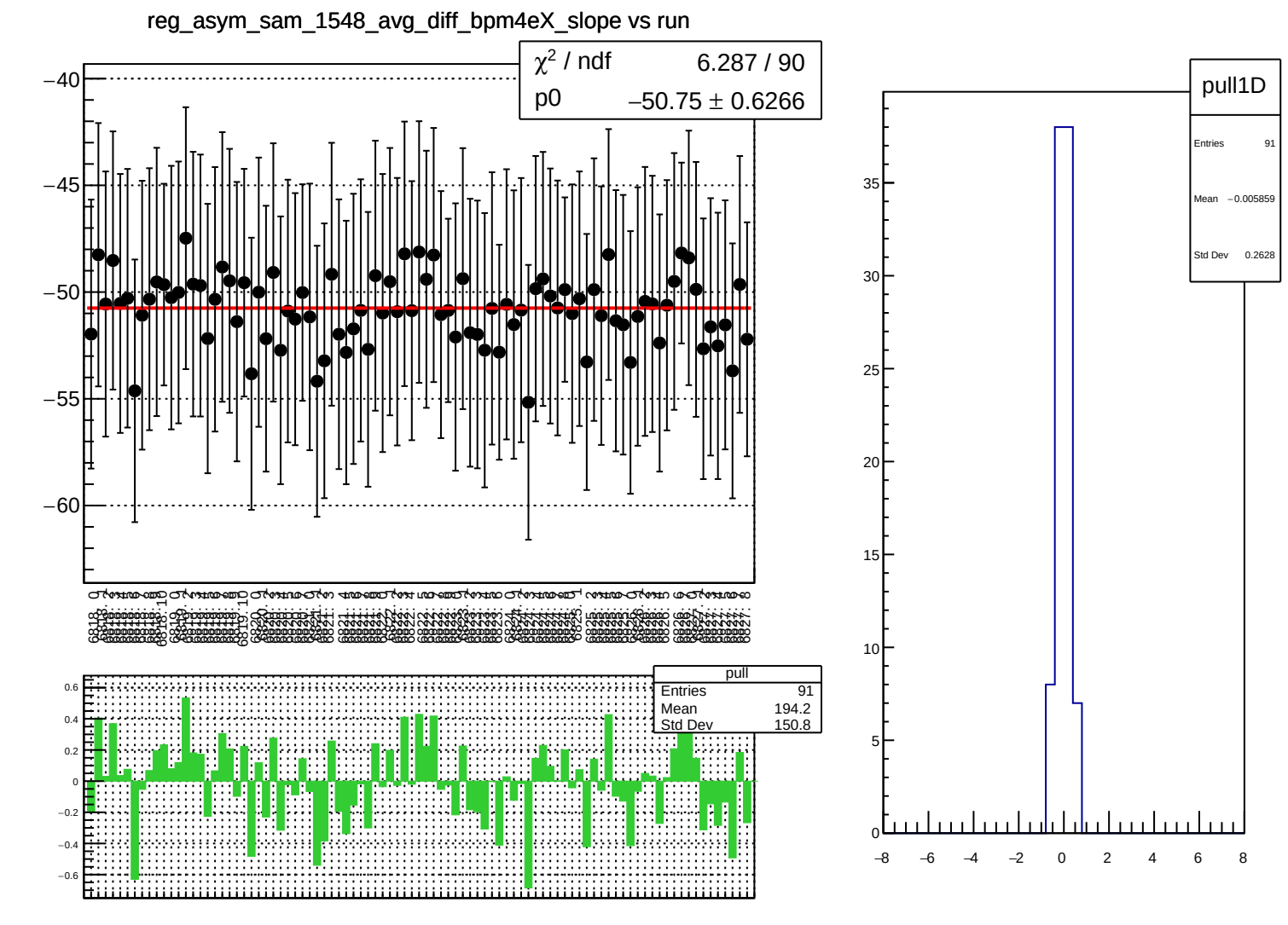

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 36.78 / 90
p0 0.2017 ± 0.01823
pull
Entries 91
Mean −368.9
Std Dev 410.5

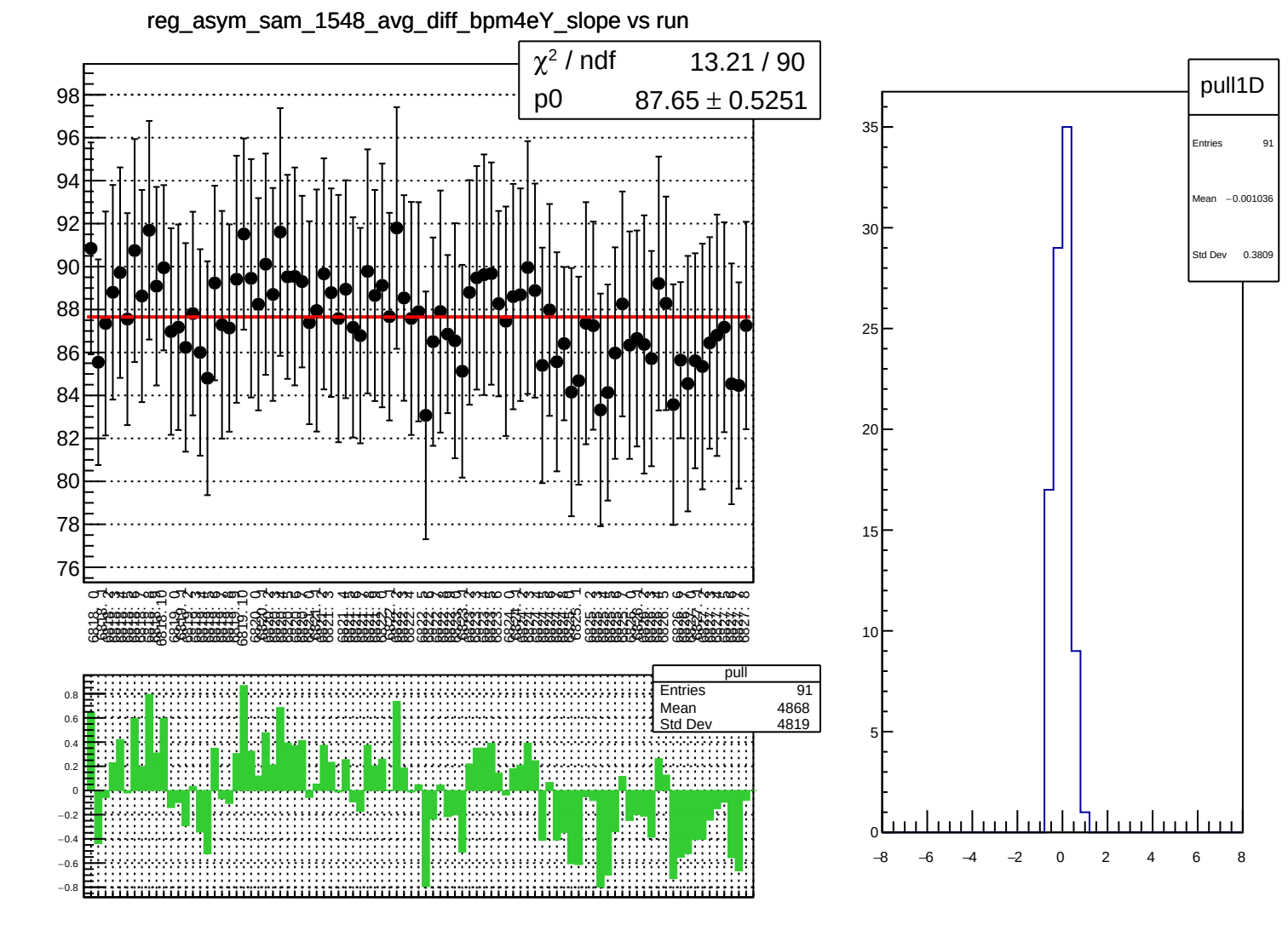

pull1D
Entries 91
Mean 0.02636
Std Dev 0.6352

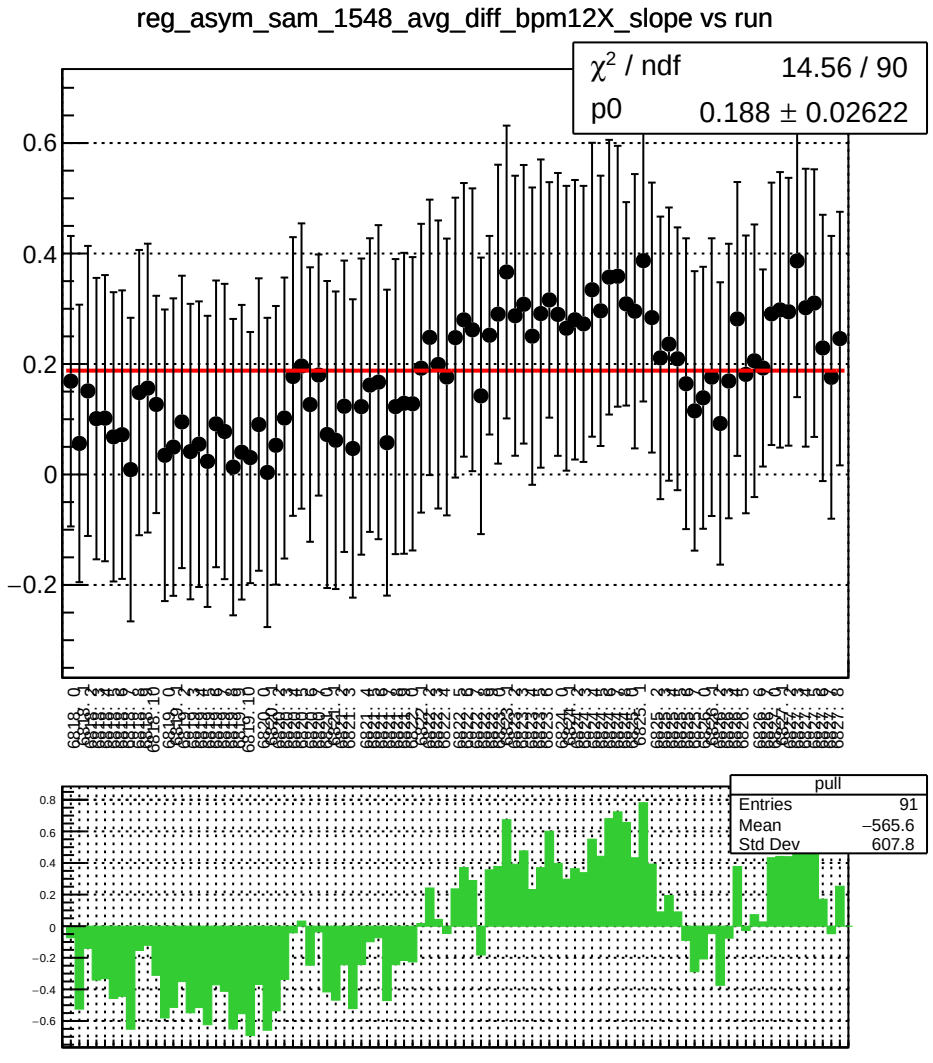

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 3.959 / 90
p0 −3.374 ± 0.6699
pull
Entries 91
Mean 461.5
Std Dev 418.5

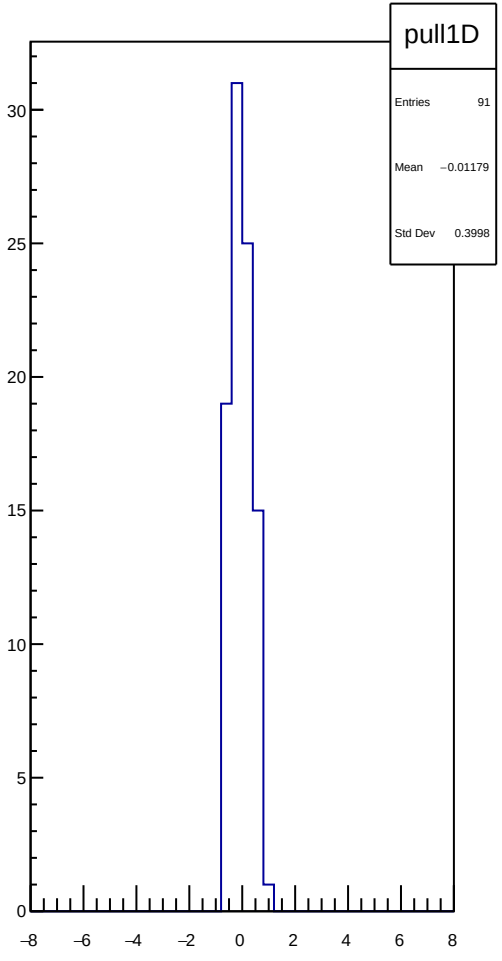

pull1D
Entries 91
Mean 0.001468
Std Dev 0.2086

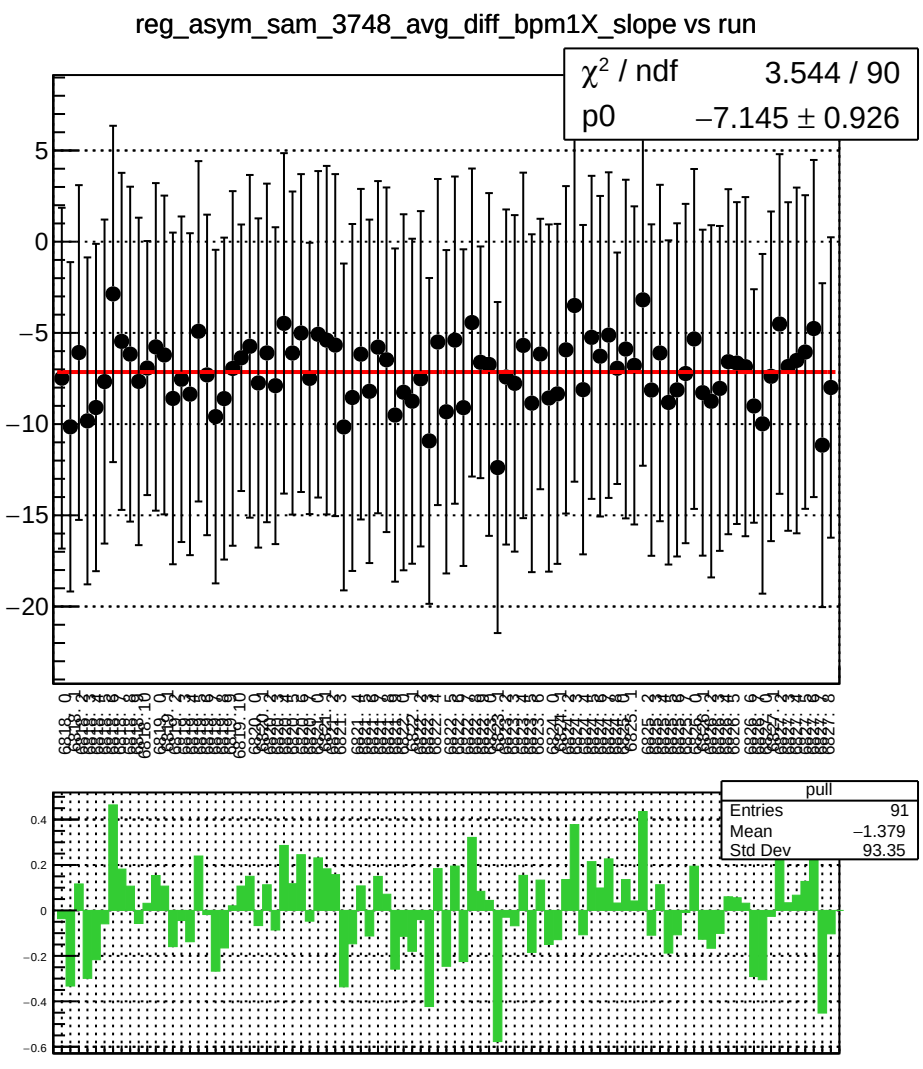

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.72 / 90
p0 −5.196 ± 0.4528
pull
Entries 91
Mean 312.2
Std Dev 264.9
pull1D
Entries 91
Mean 0.02514
Std Dev 0.4014

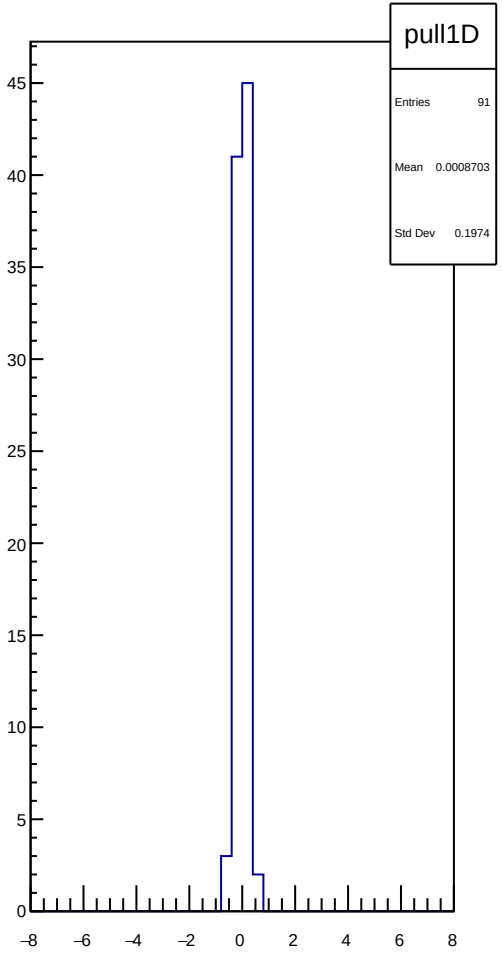

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.287 / 90
p0 −50.75 ± 0.6266
−40
−45
−50
−55
−60
pull
Entries 91
Mean 194.2
Std Dev 150.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 91
Mean −0.005859
Std Dev 0.2628
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

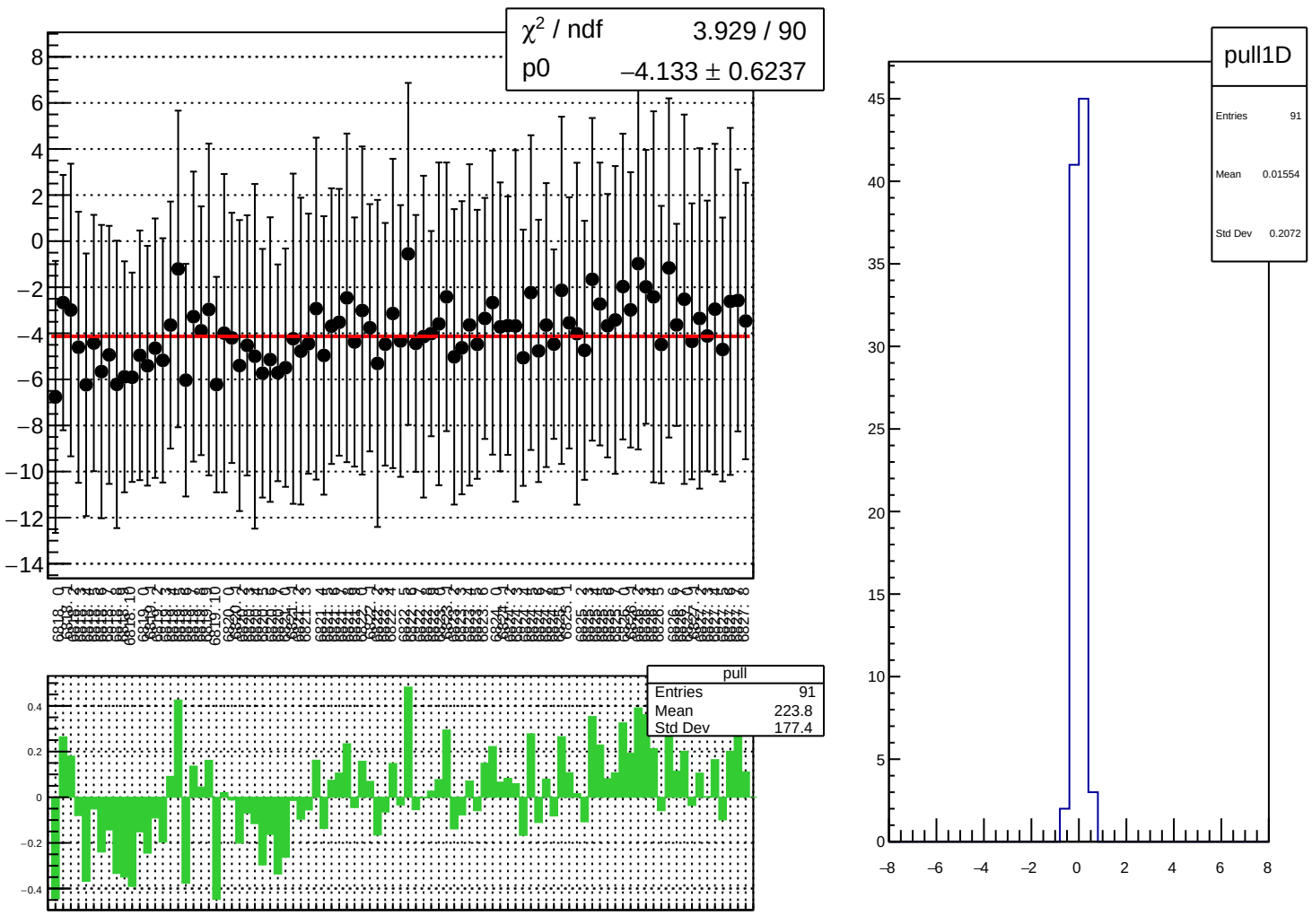

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.21 / 90
p0 87.65 ± 0.5251
pull
Entries 91
Mean 4868
Std Dev 4819
pull1D
Entries 91
Mean −0.001036
Std Dev 0.3809

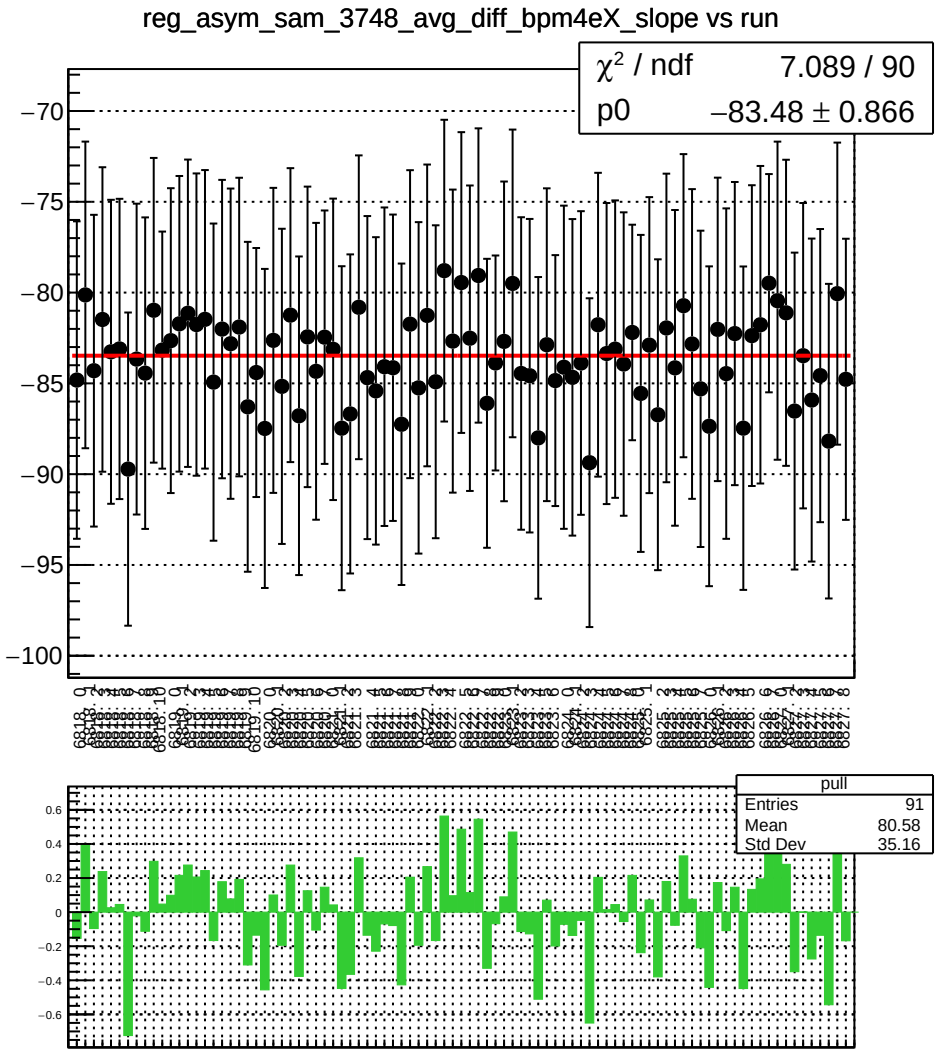

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 14.56 / 90
p0 0.188 ± 0.02622
pull
Entries 91
Mean −565.6
Std Dev 607.8

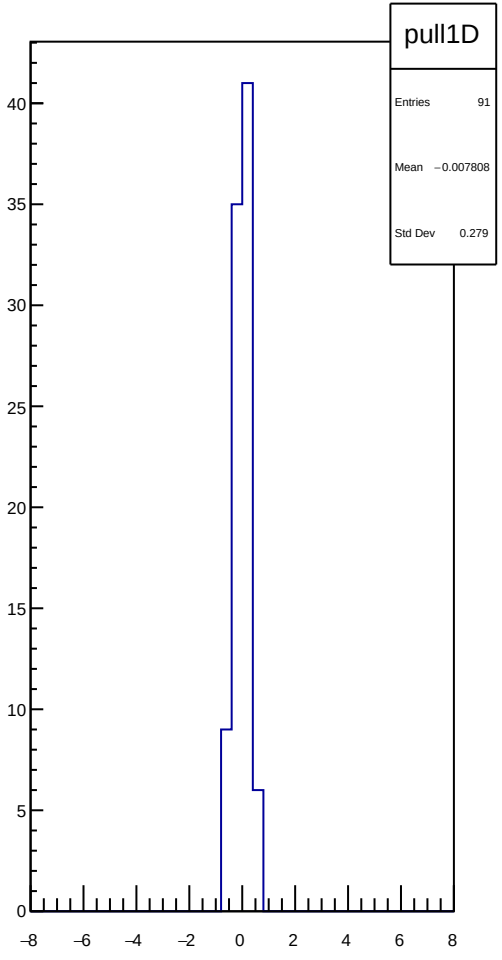

pull1D
Entries 91
Mean −0.01179
Std Dev 0.3998

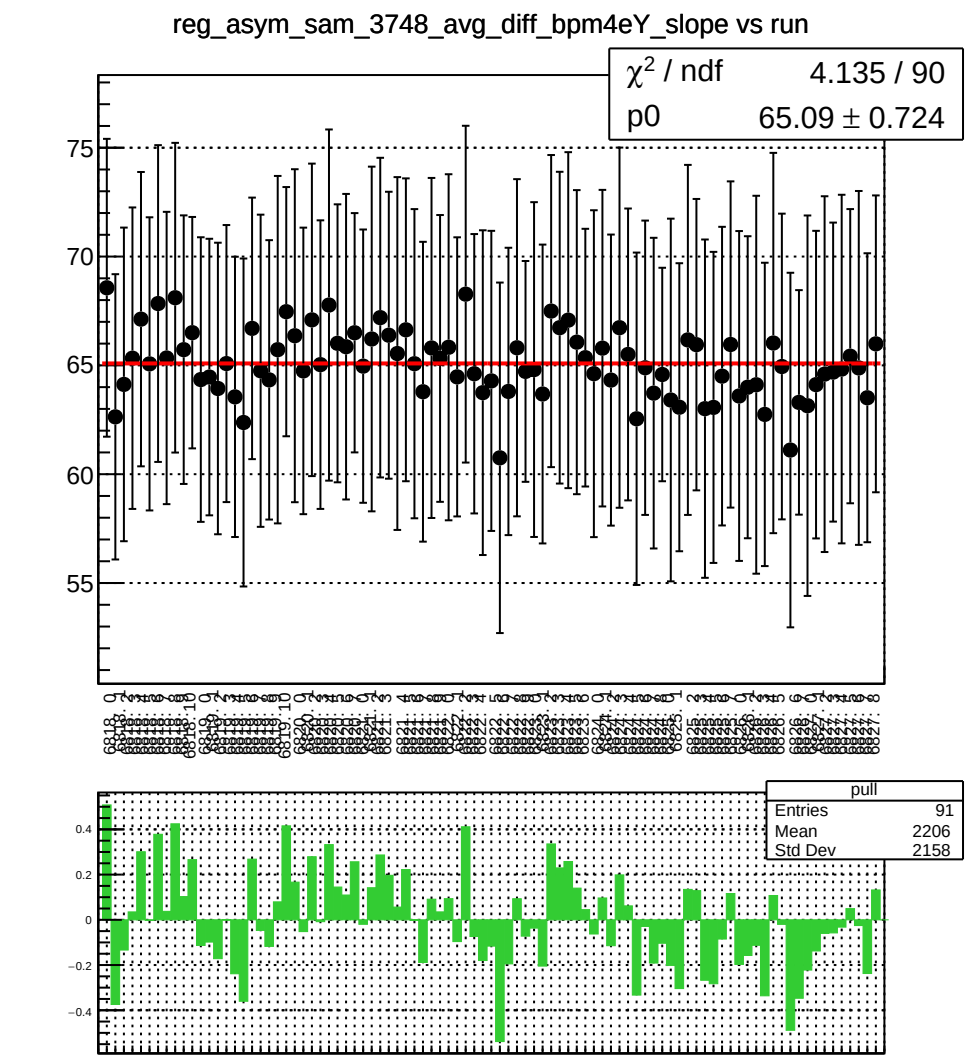

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 3.544 / 90
p0 −7.145 ± 0.926
pull
Entries 91
Mean −1.379
Std Dev 93.35

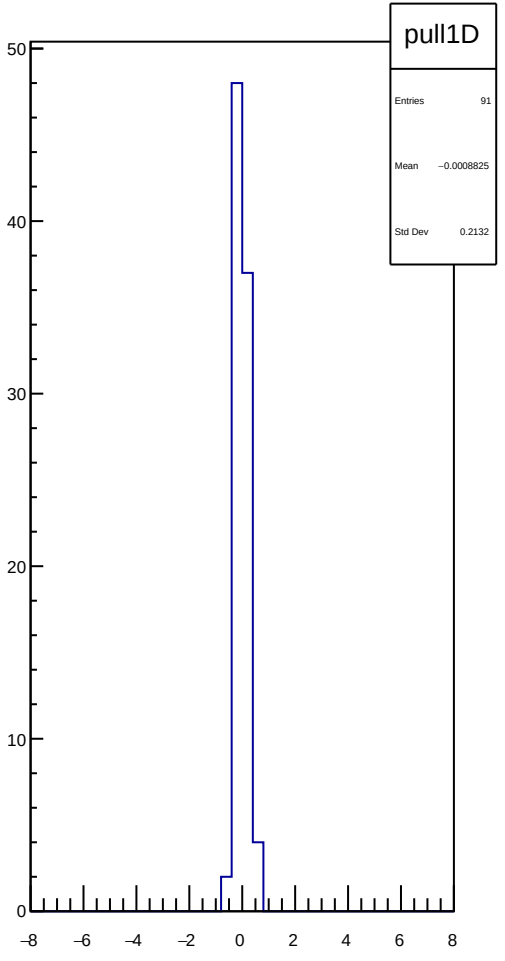

pull1D
Entries 91
Mean 0.0008703
Std Dev 0.1974

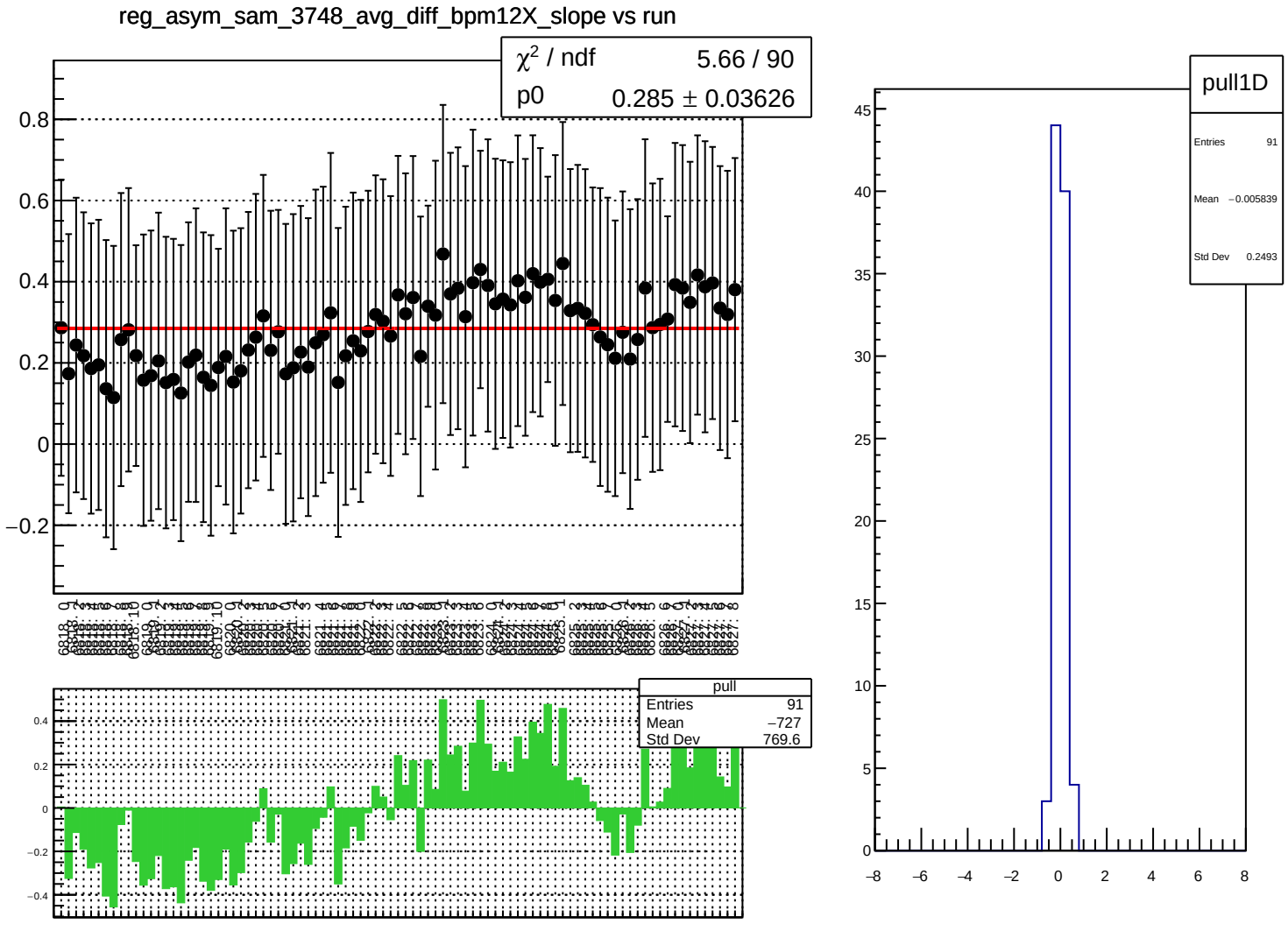

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.929 / 90
p0 −4.133 ± 0.6237
pull
Entries 91
Mean 223.8
Std Dev 177.4
pull1D
Entries 91
Mean 0.01554
Std Dev 0.2072

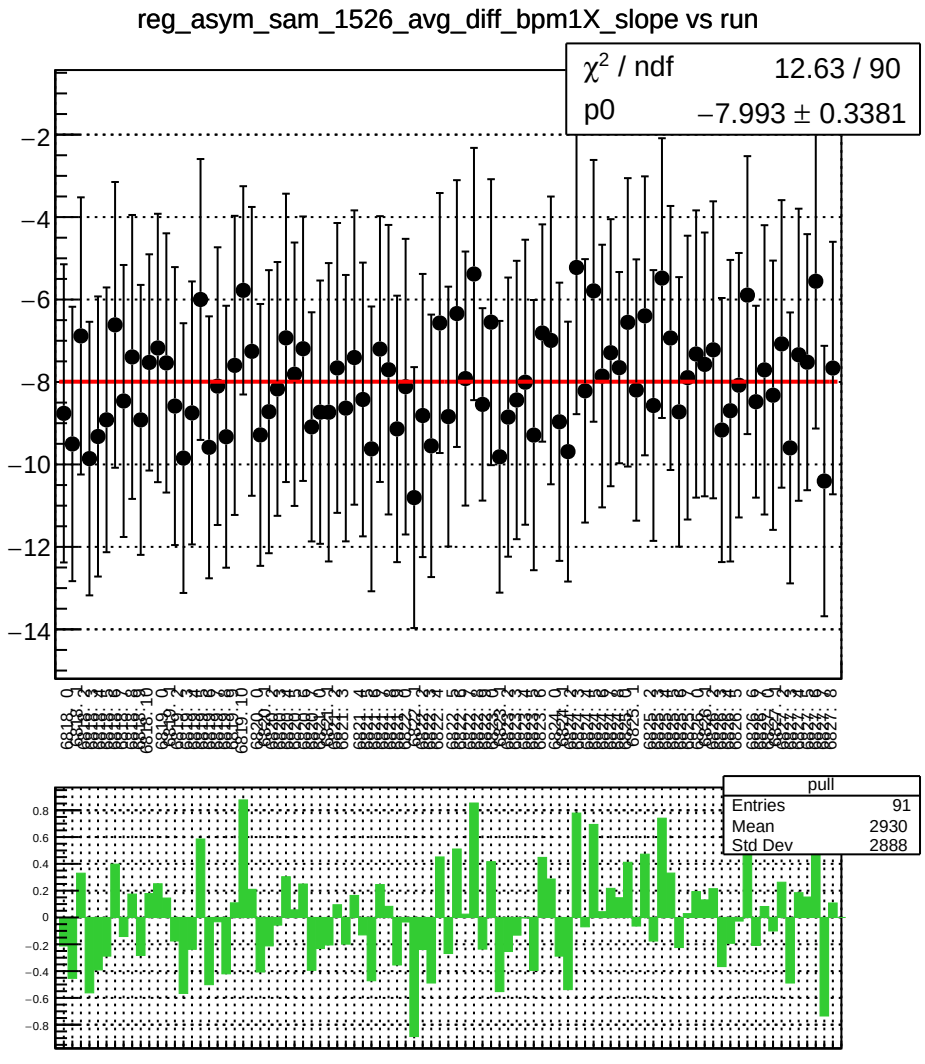

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.089 / 90
p0 −83.48 ± 0.866
pull
Entries 91
Mean 80.58
Std Dev 35.16

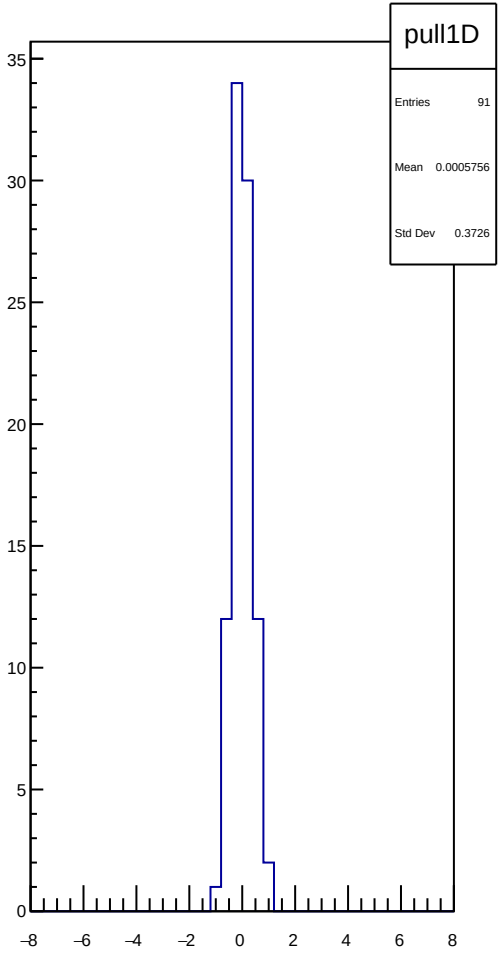

pull1D
Entries 91
Mean −0.007808
Std Dev 0.279

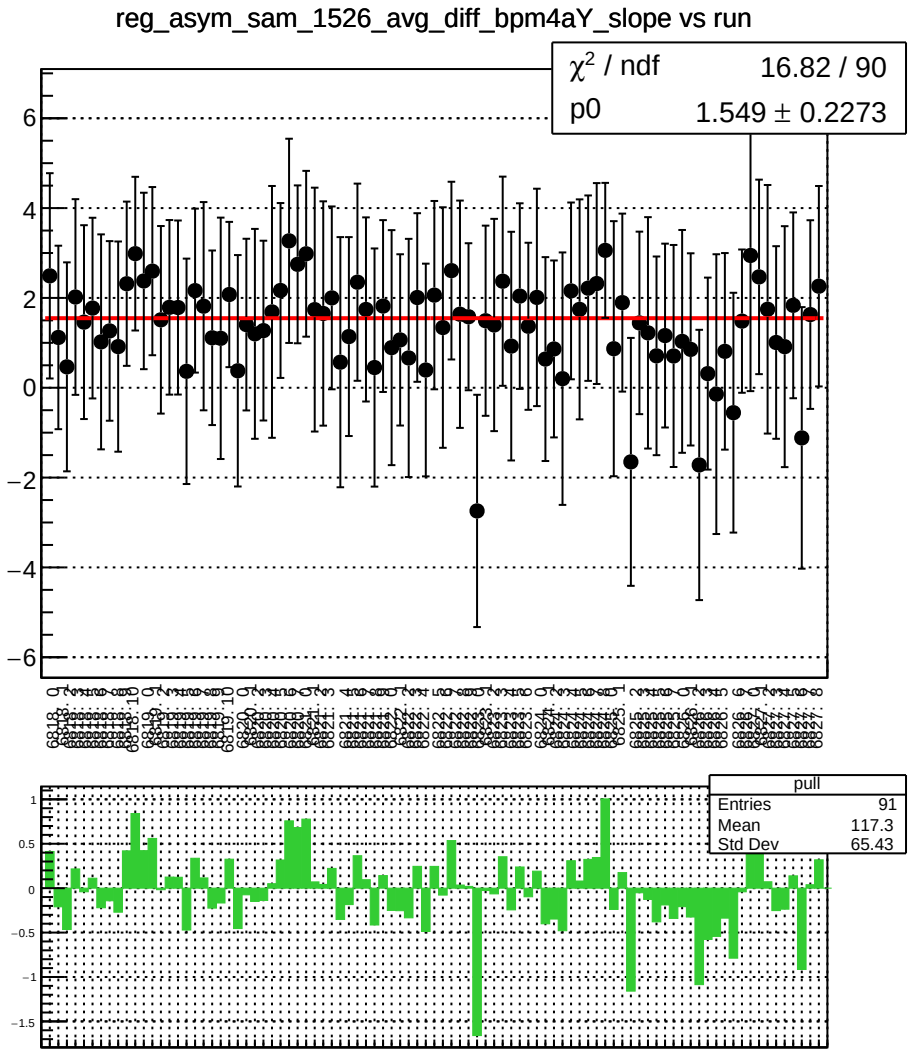

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.135 / 90
p0 65.09 ± 0.724
pull
Entries 91
Mean 2206
Std Dev 2158

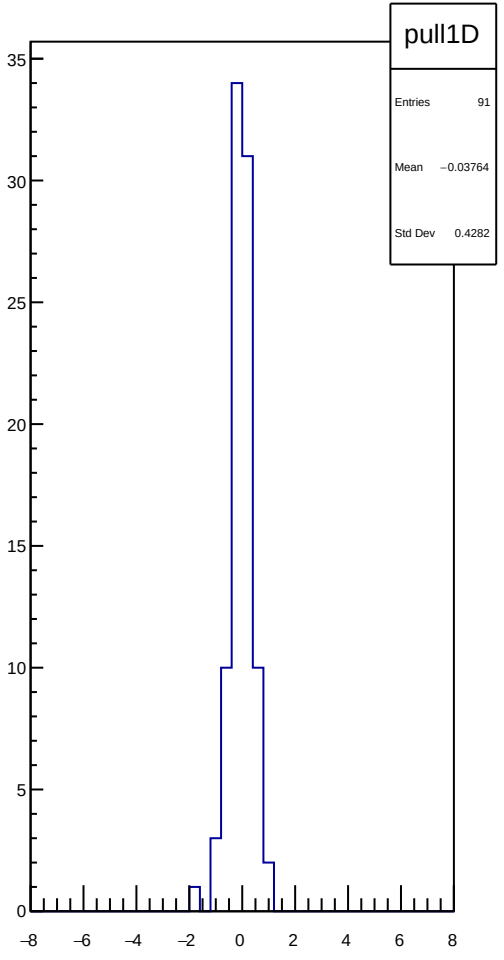

pull1D
Entries 91
Mean −0.0008825
Std Dev 0.2132

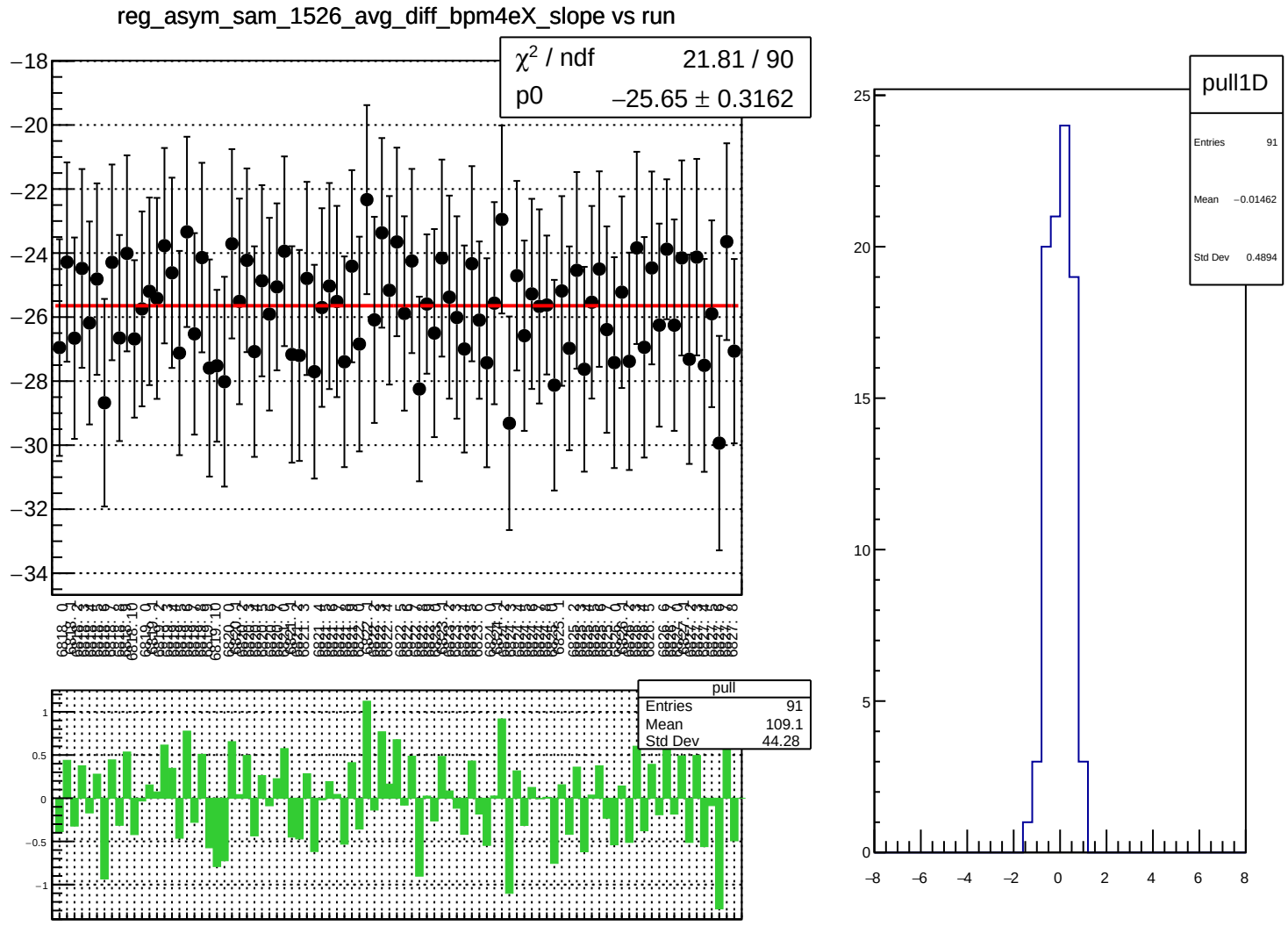

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 5.66 / 90
p0 0.285 ± 0.03626
pull
Entries 91
Mean −727
Std Dev 769.6
pull1D
Entries 91
Mean −0.005839
Std Dev 0.2493

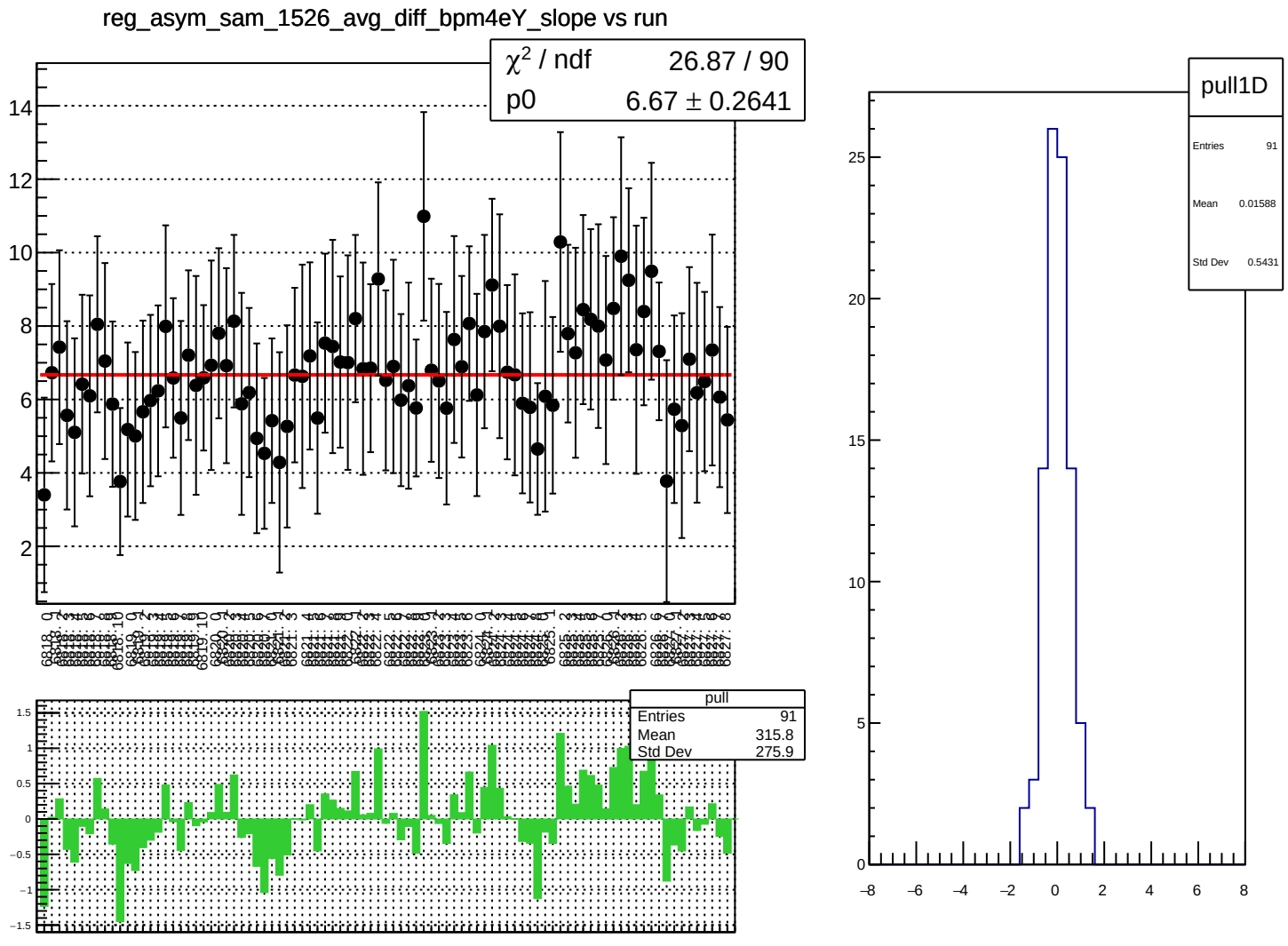

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 12.63 / 90
p0 −7.993 ± 0.3381
pull
Entries 91
Mean 2930
Std Dev 2888

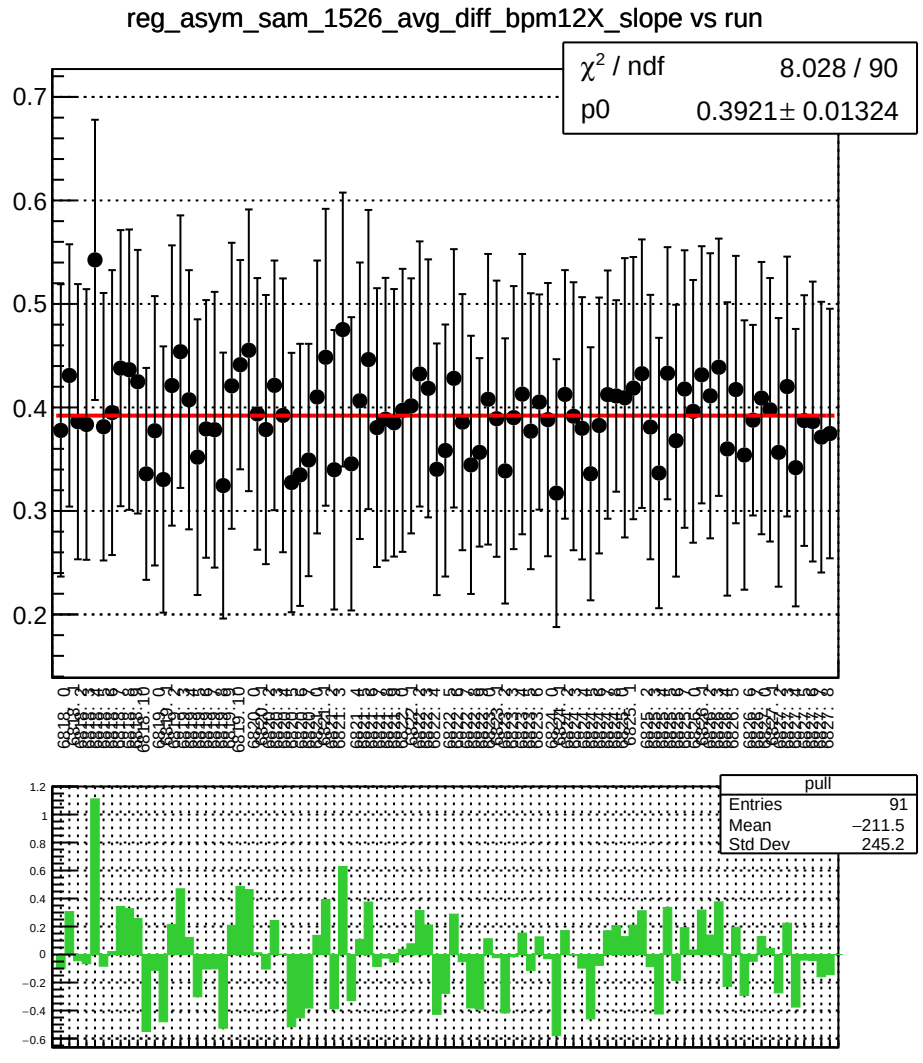

pull1D
Entries 91
Mean 0.0005756
Std Dev 0.3726

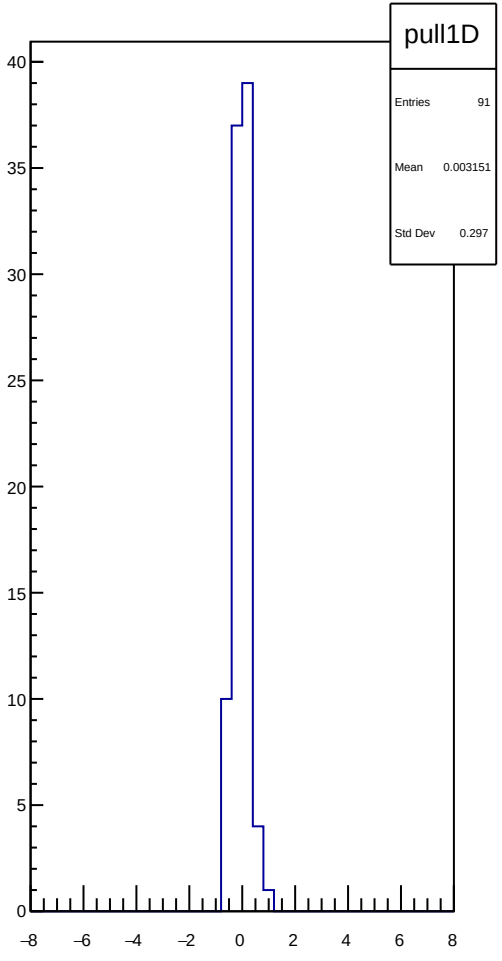

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.82 / 90
p0 1.549 ± 0.2273
pull
Entries 91
Mean 117.3
Std Dev 65.43

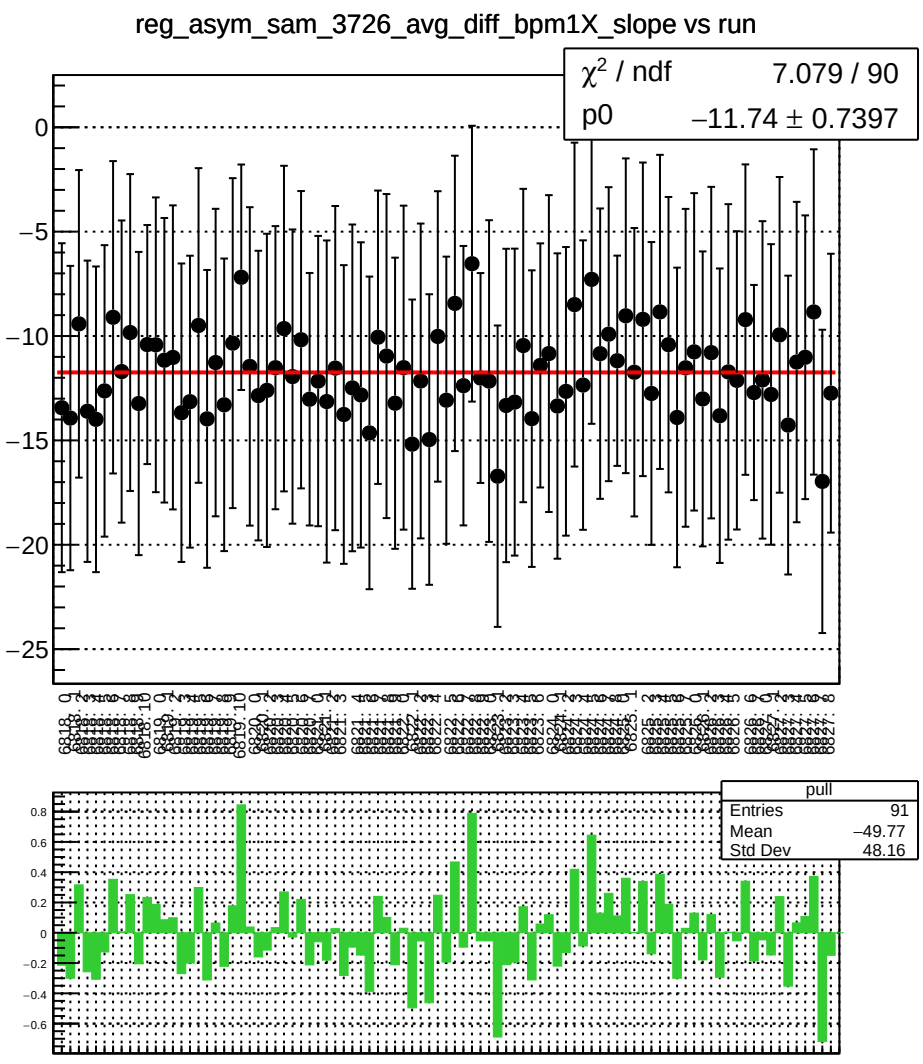

pull1D
Entries 91
Mean −0.03764
Std Dev 0.4282

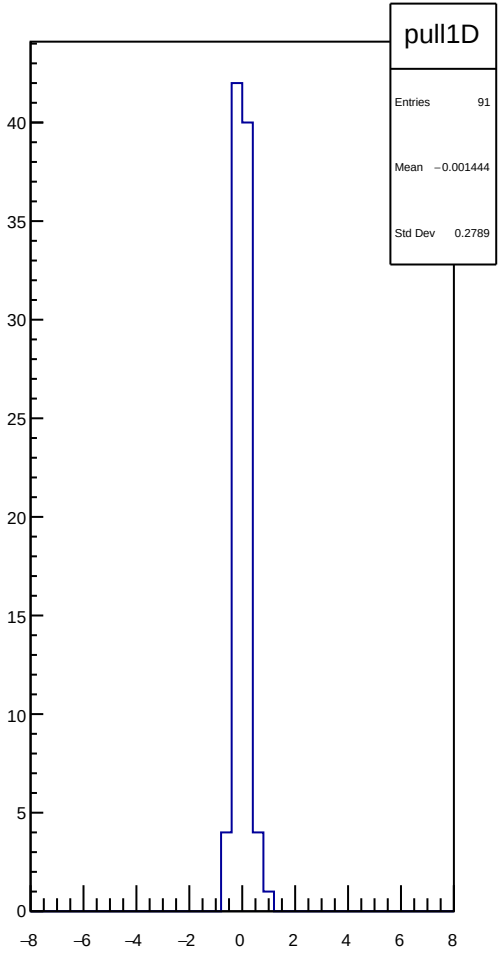

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.81 / 90
p0 −25.65 ± 0.3162
pull
Entries 91
Mean 109.1
Std Dev 44.28
pull1D
Entries 91
Mean −0.01462
Std Dev 0.4894

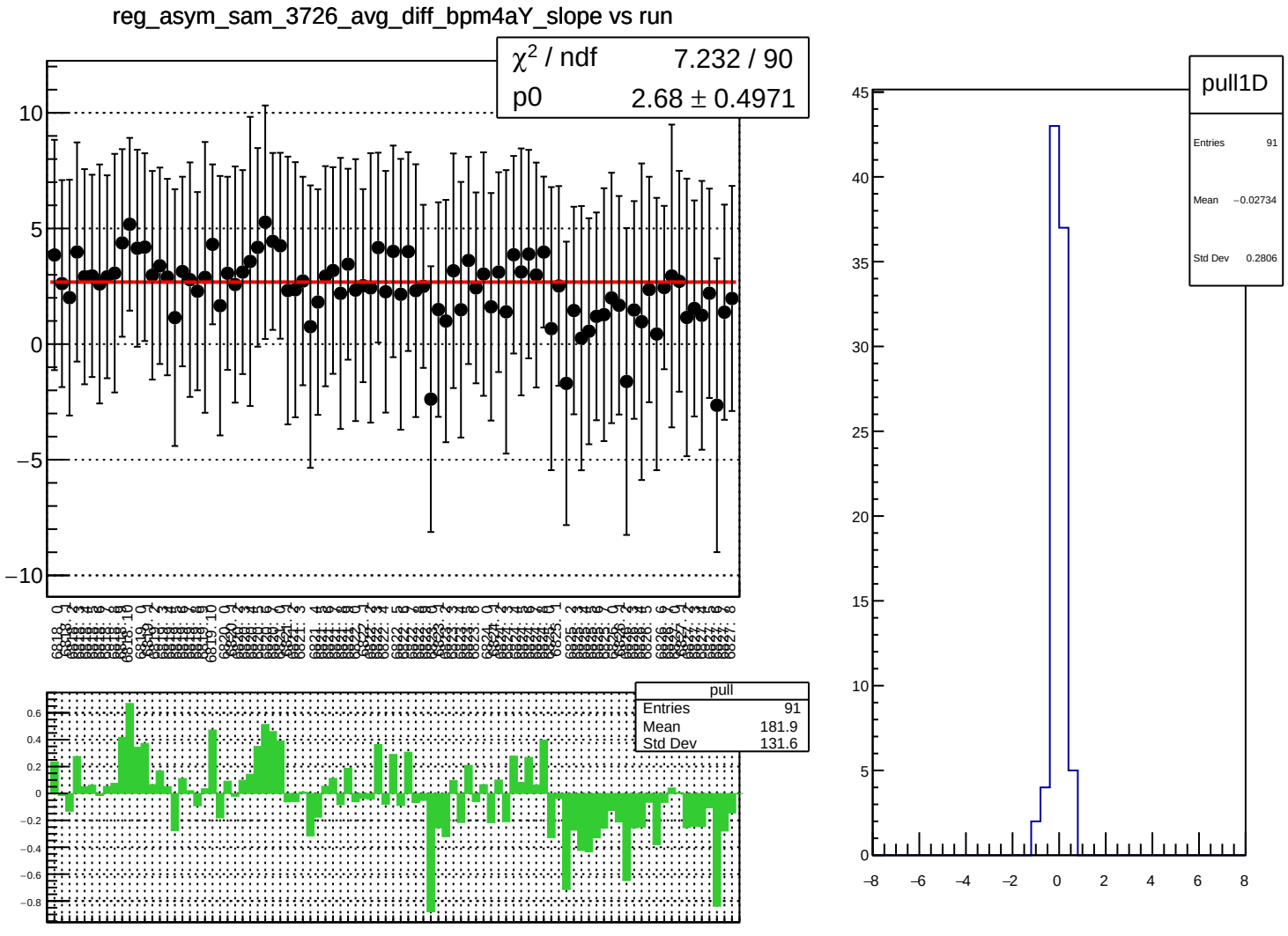

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.87 / 90
p0 6.67 ± 0.2641
pull
Entries 91
Mean 315.8
Std Dev 275.9
pull1D
Entries 91
Mean 0.01588
Std Dev 0.5431

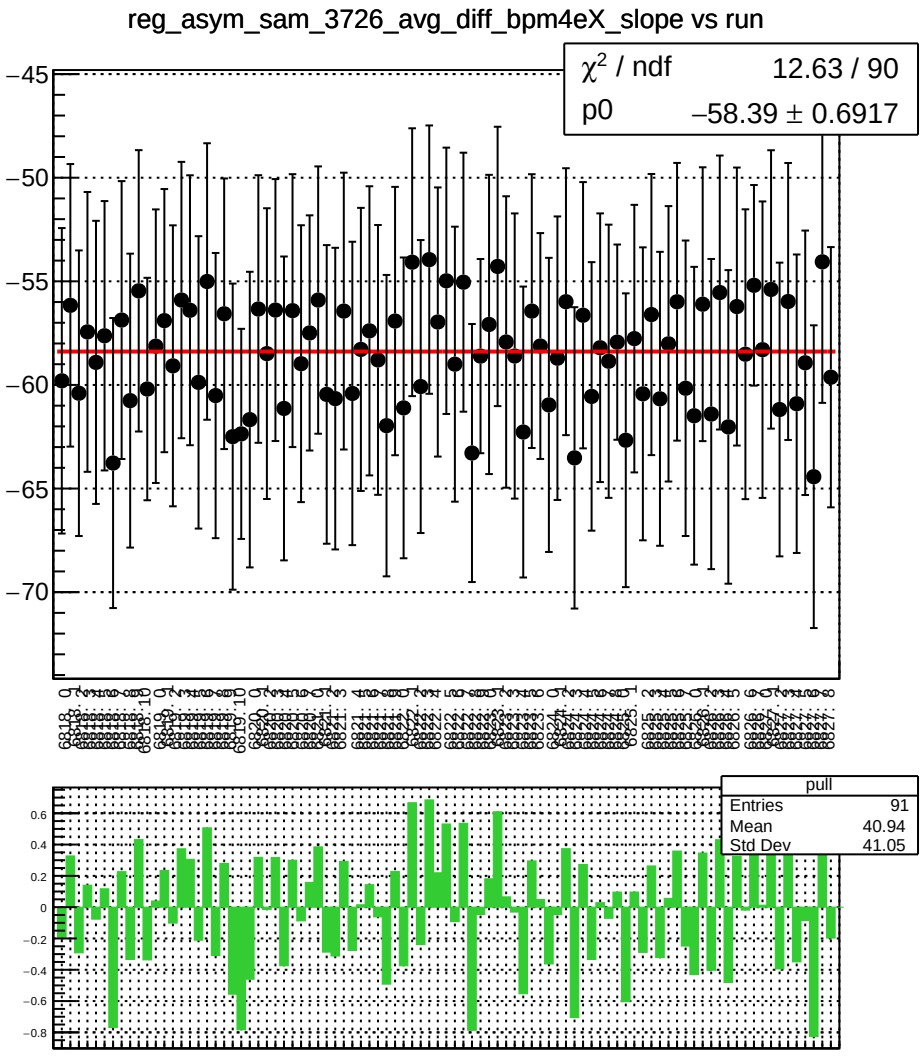

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 8.028 / 90
p0 0.3921± 0.01324
pull
Entries 91
Mean −211.5
Std Dev 245.2

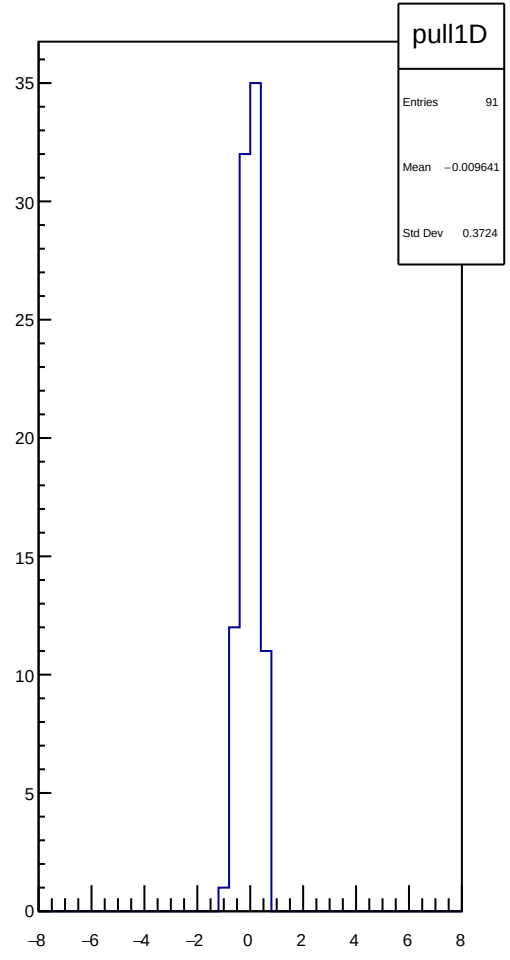

pull1D
Entries 91
Mean 0.003151
Std Dev 0.297

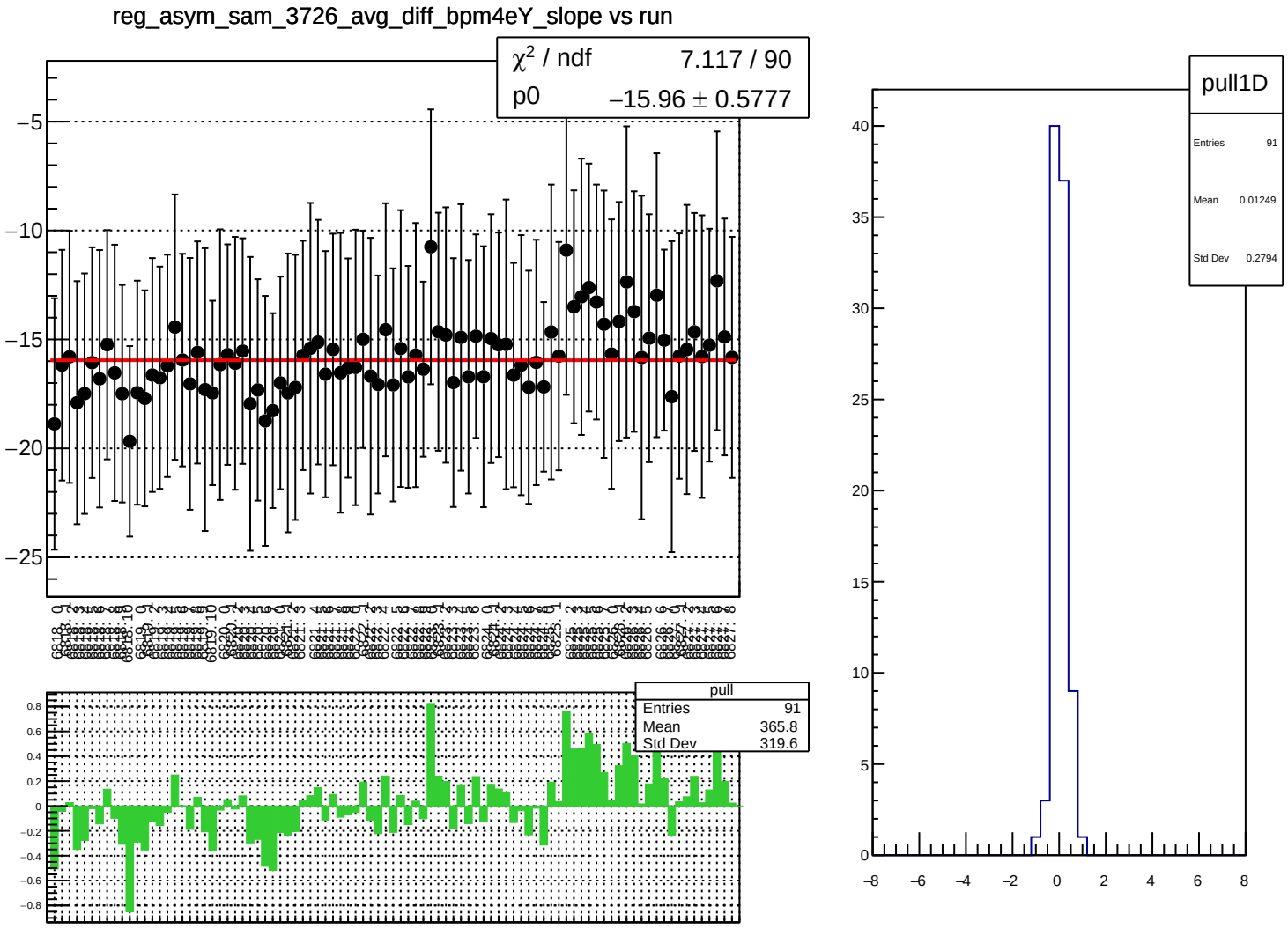

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 7.079 / 90
p0 −11.74 ± 0.7397
pull
Entries 91
Mean −49.77
Std Dev 48.16

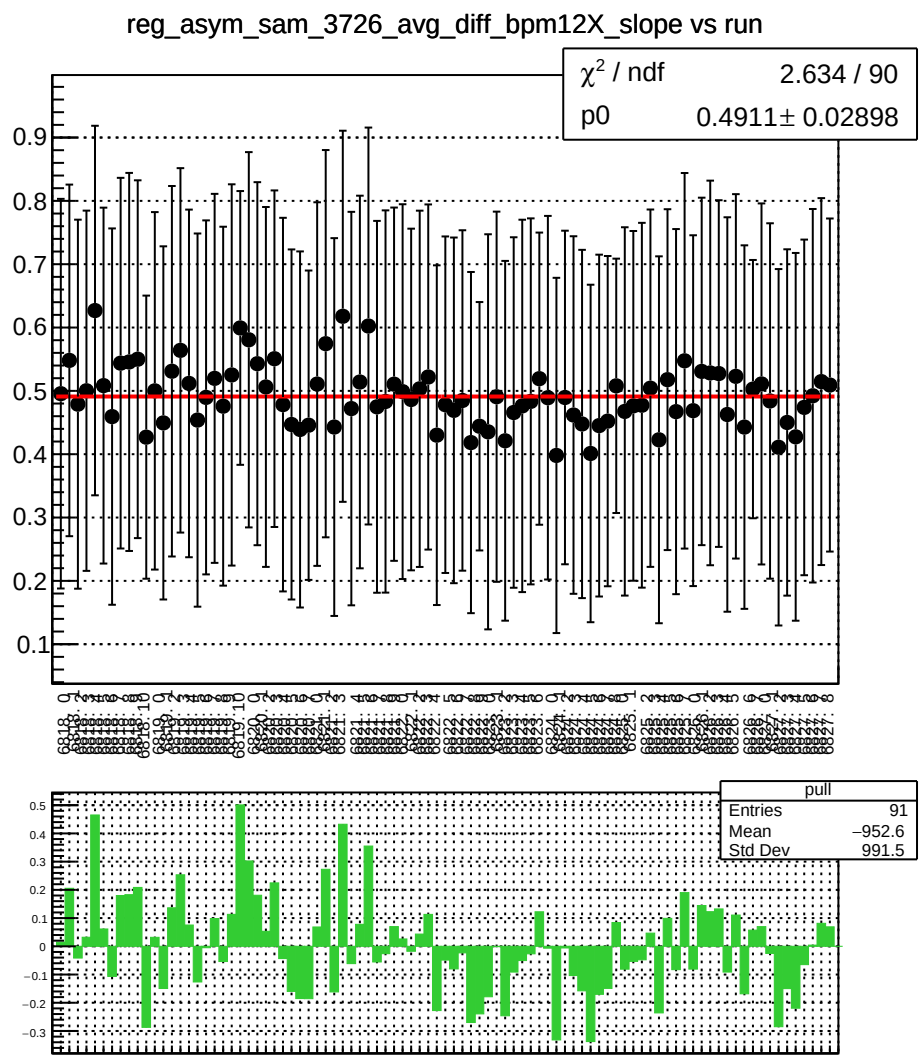

pull1D
Entries 91
Mean −0.001444
Std Dev 0.2789

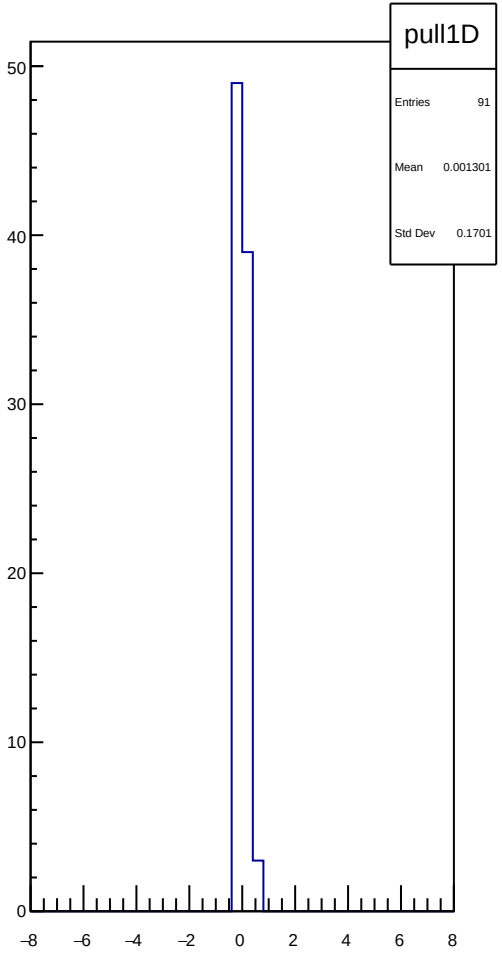

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.232 / 90
p0 2.68 ± 0.4971
pull
Entries 91
Mean 181.9
Std Dev 131.6
pull1D
Entries 91
Mean −0.02734
Std Dev 0.2806

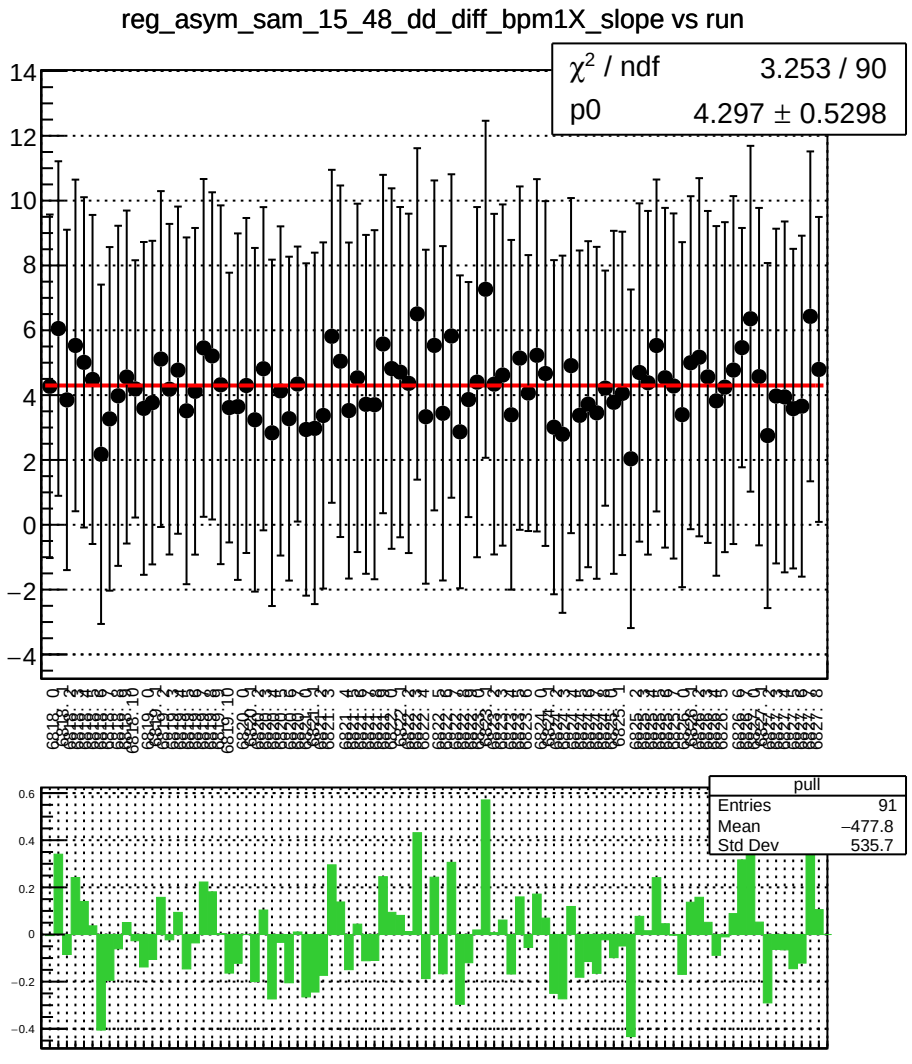

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.63 / 90
p0 −58.39 ± 0.6917
pull
Entries 91
Mean 40.94
Std Dev 41.05

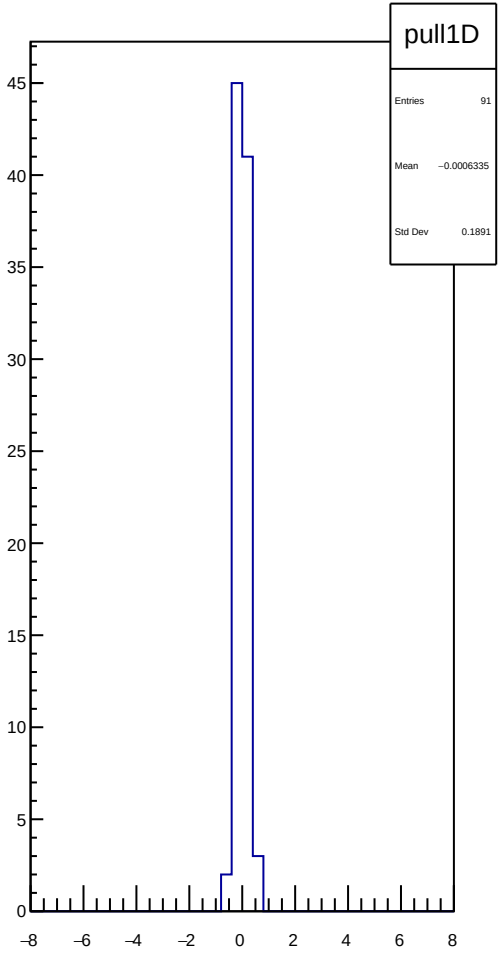

pull1D
Entries 91
Mean −0.009641
Std Dev 0.3724

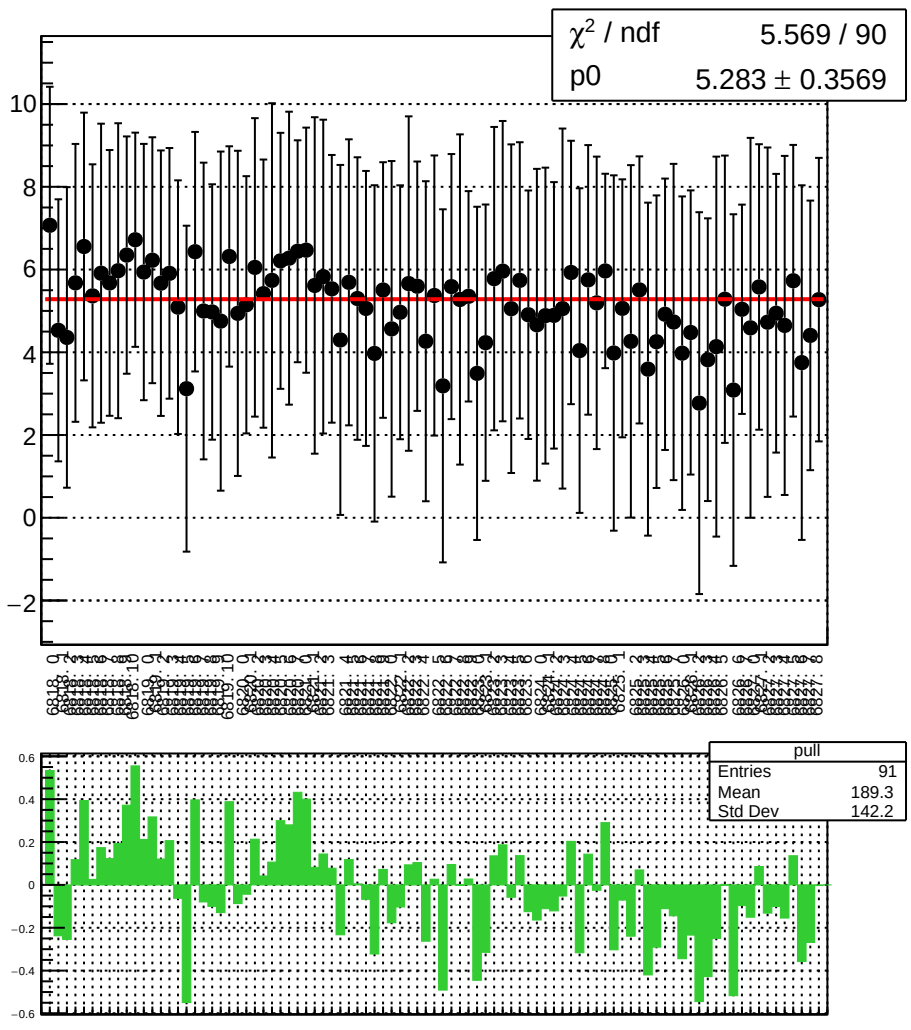

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.117 / 90
p0 −15.96 ± 0.5777
pull
Entries 91
Mean 365.8
Std Dev 319.6
pull1D
Entries 91
Mean 0.01249
Std Dev 0.2794

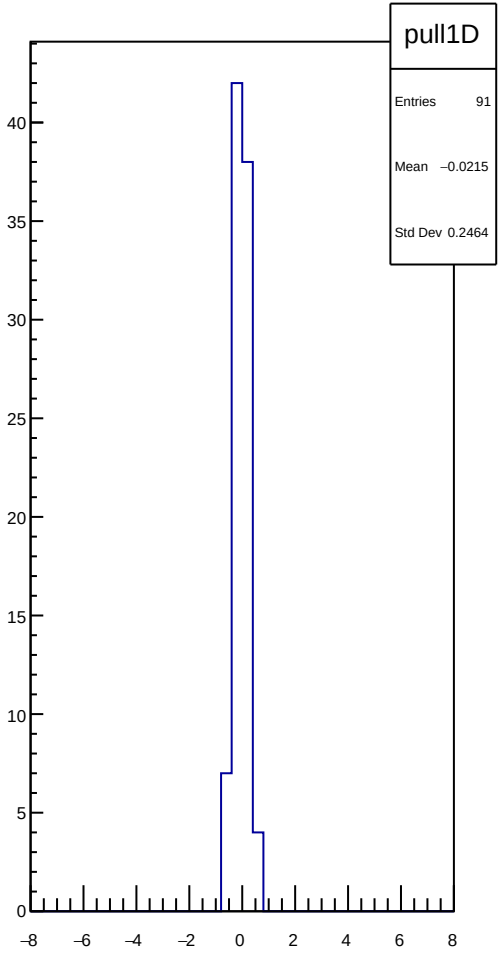

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.634 / 90
p0 0.4911± 0.02898
pull
Entries 91
Mean −952.6
Std Dev 991.5

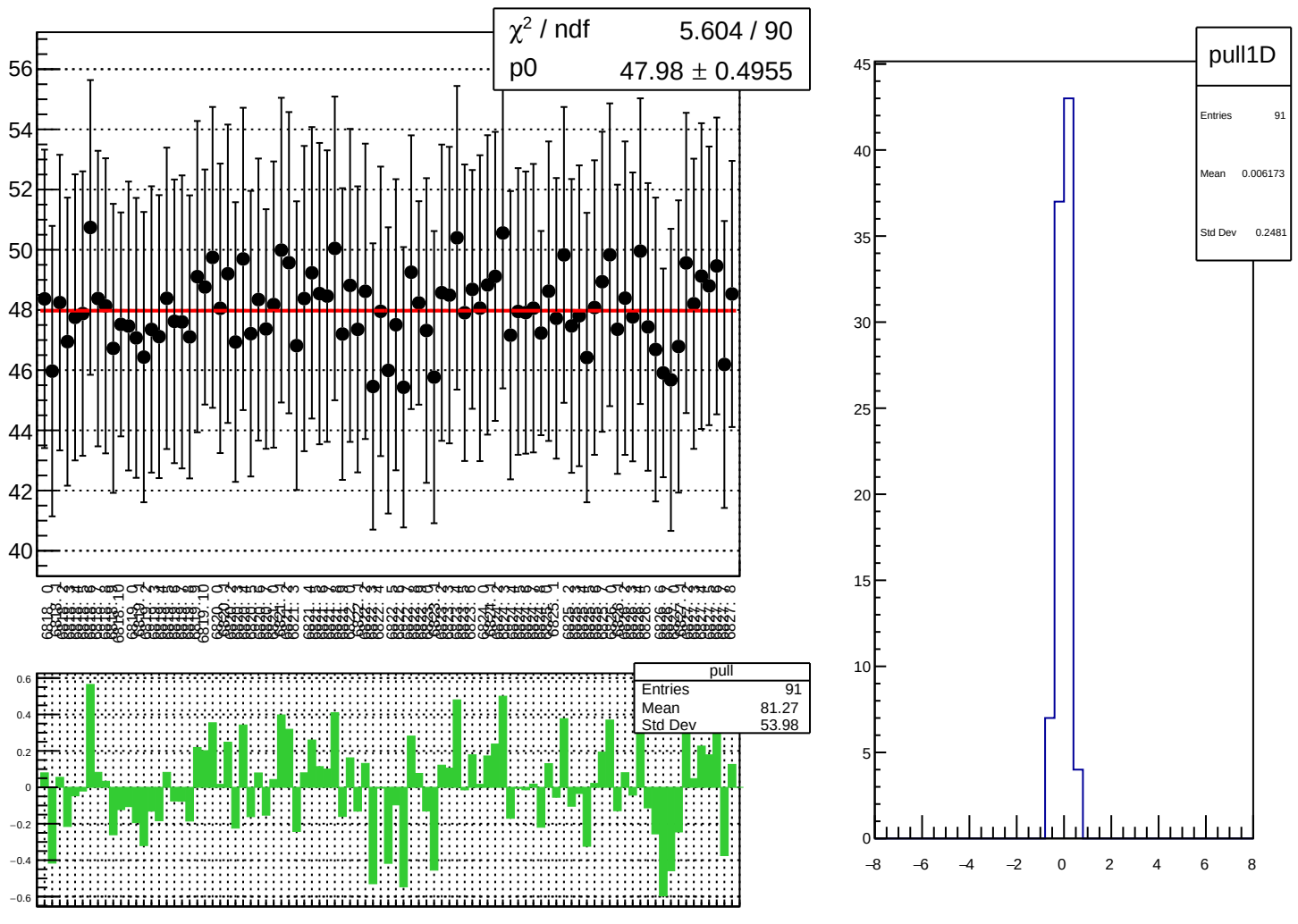

pull1D
Entries 91
Mean 0.001301
Std Dev 0.1701

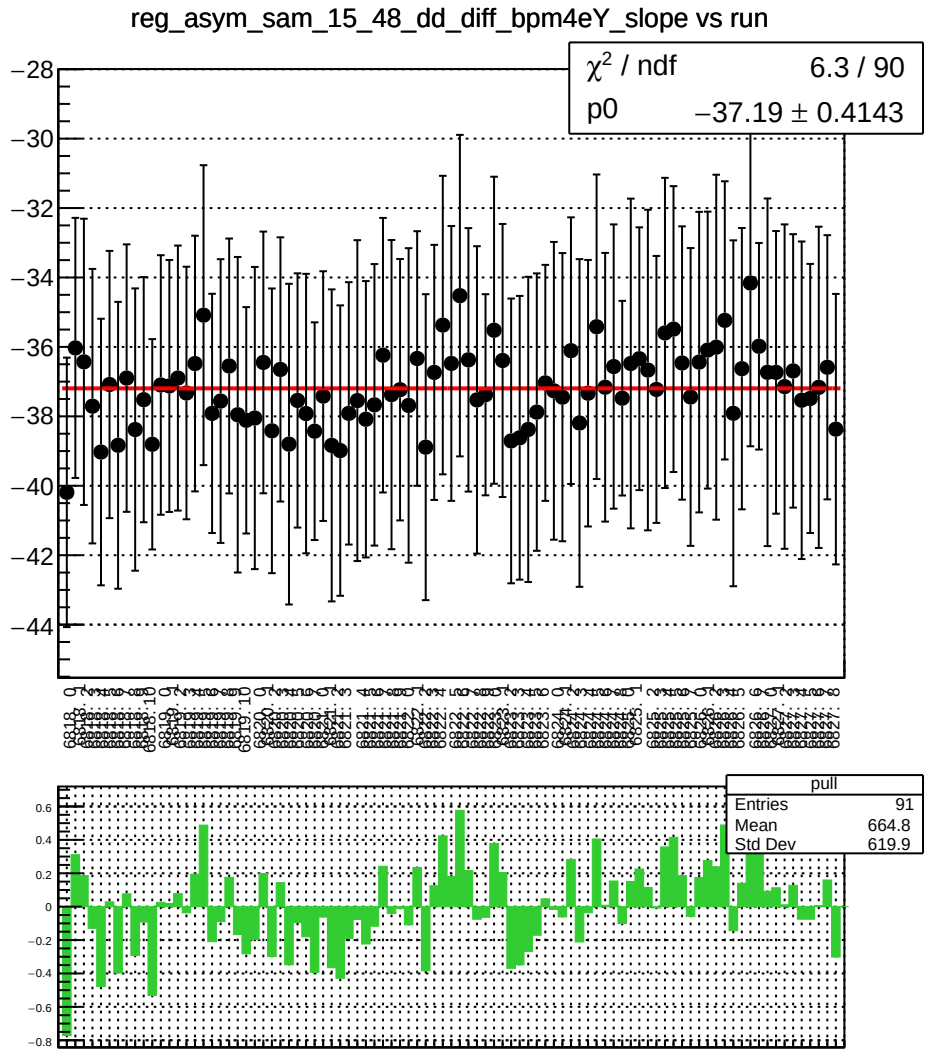

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.253 / 90
p0 4.297 ± 0.5298
pull
Entries 91
Mean −477.8
Std Dev 535.7

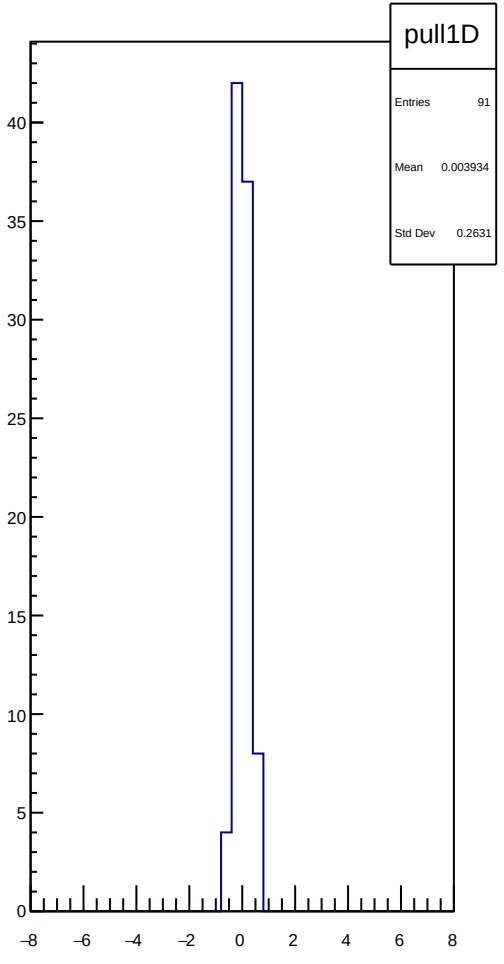

pull1D
Entries 91
Mean −0.0006335
Std Dev 0.1891

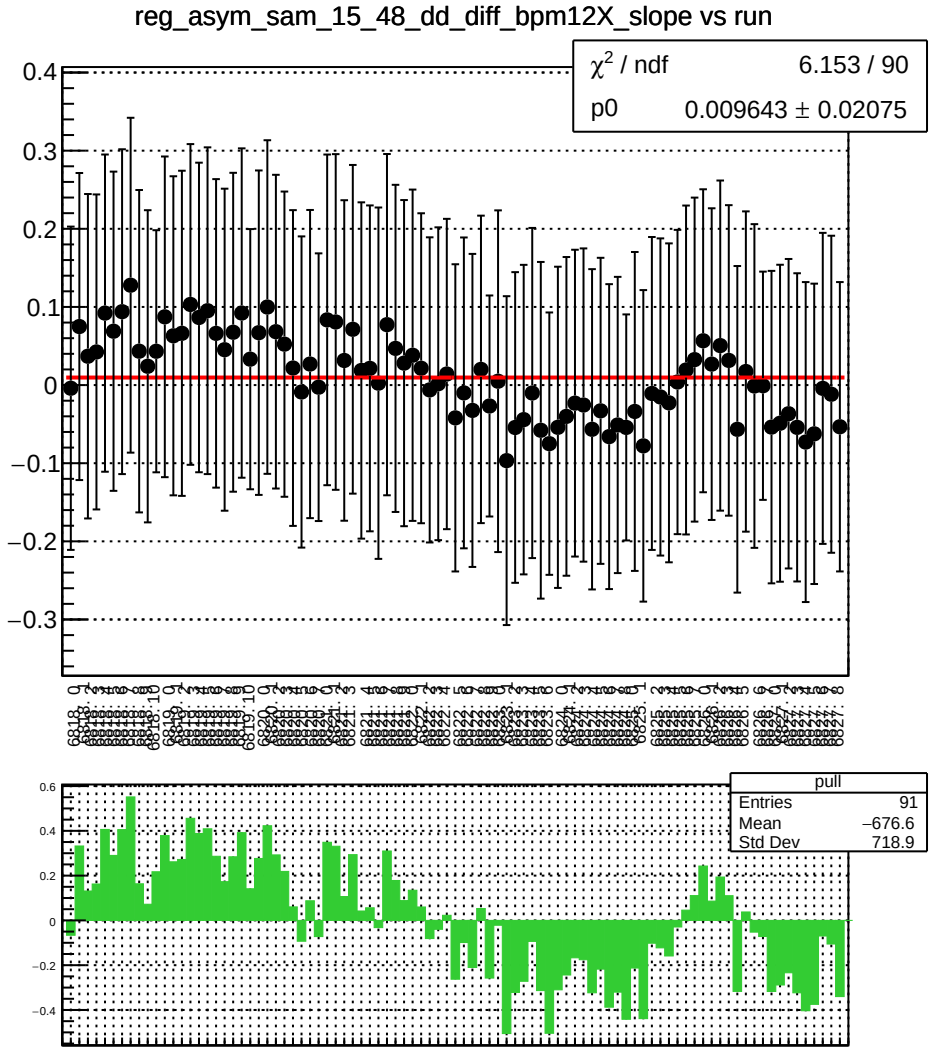

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.569 / 90
p0 5.283 ± 0.3569
pull
Entries 91
Mean 189.3
Std Dev 142.2

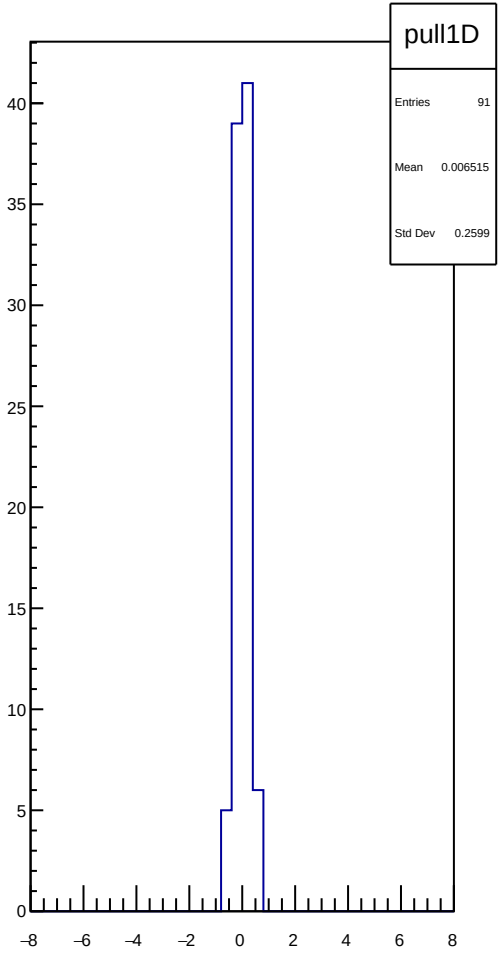

pull1D
Entries 91
Mean −0.0215
Std Dev 0.2464

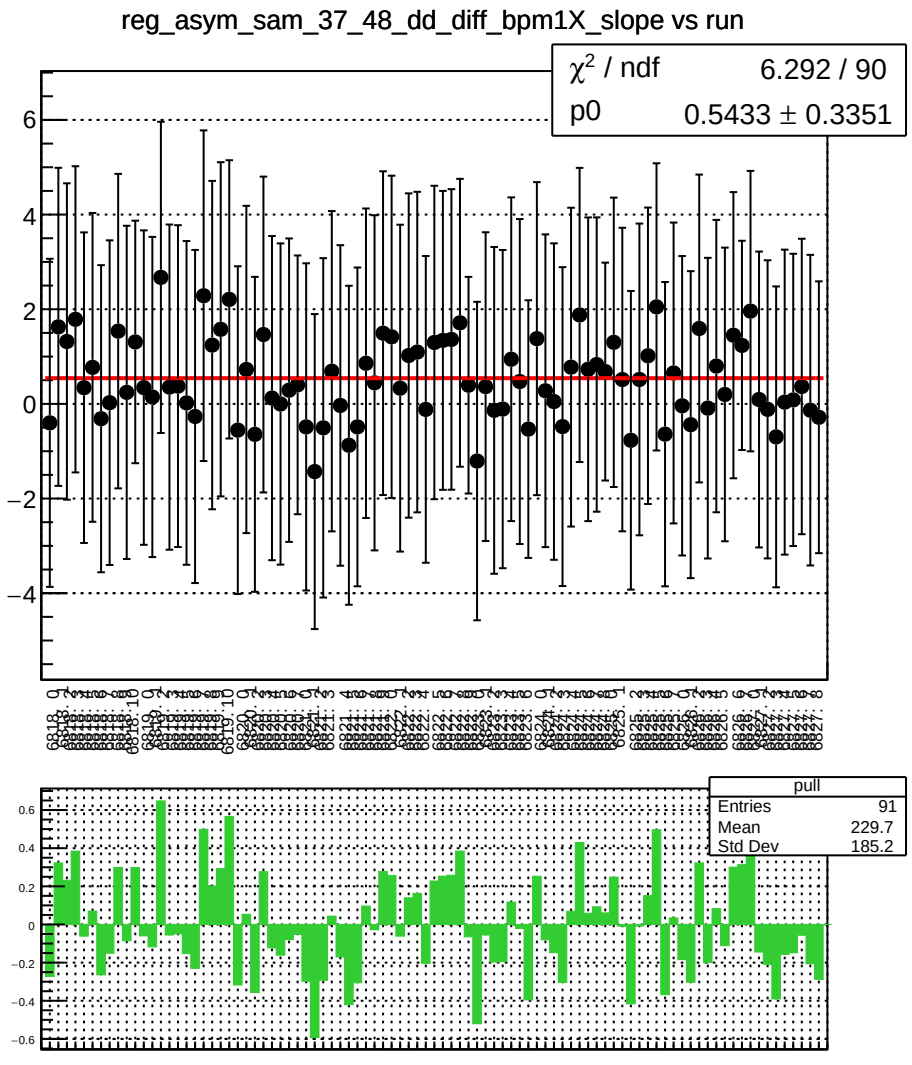

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.604 / 90
p0 47.98 ± 0.4955
pull
Entries 91
Mean 81.27
Std Dev 53.98
pull1D
Entries 91
Mean 0.006173
Std Dev 0.2481

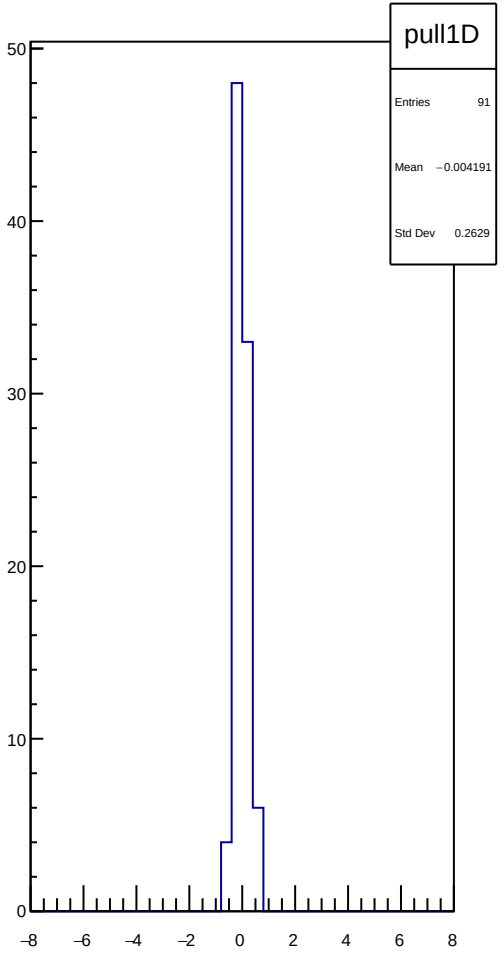

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.3 / 90
p0 −37.19 ± 0.4143
pull
Entries 91
Mean 664.8
Std Dev 619.9

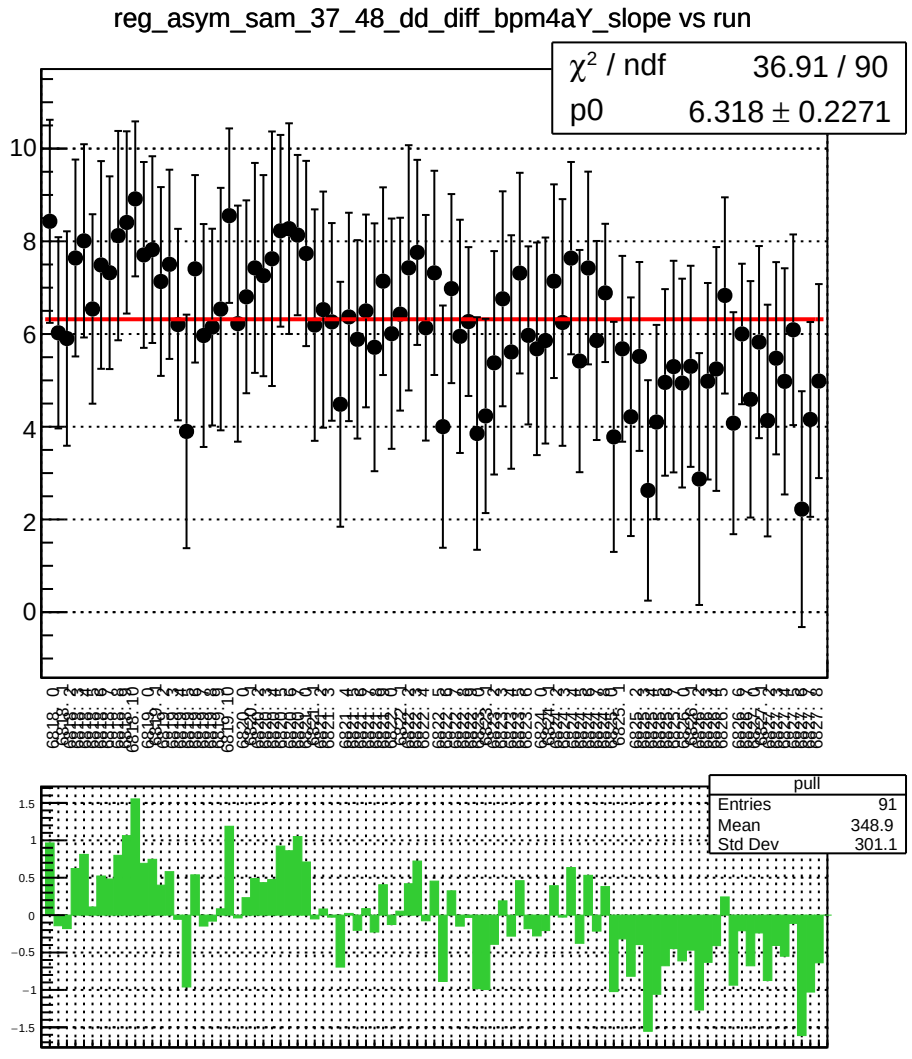

pull1D
Entries 91
Mean 0.003934
Std Dev 0.2631

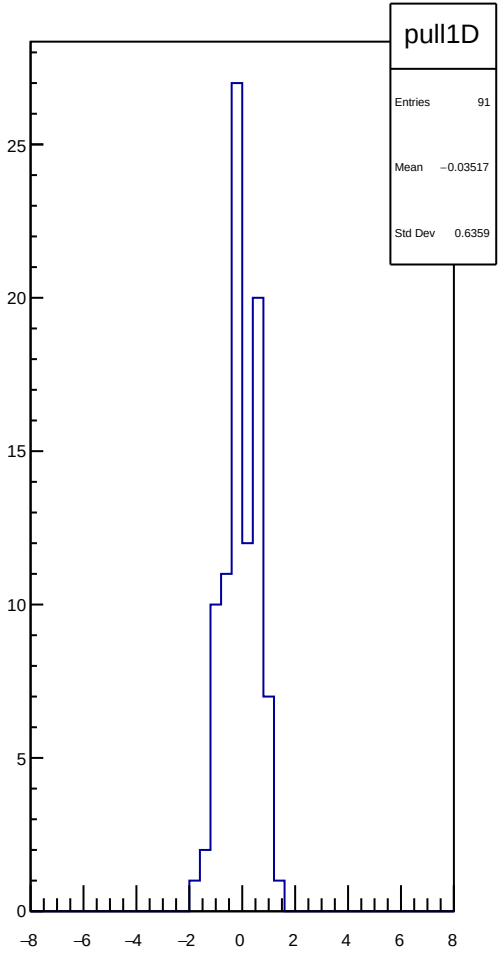

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 6.153 / 90
p0 0.009643 ± 0.02075
pull
Entries 91
Mean −676.6
Std Dev 718.9

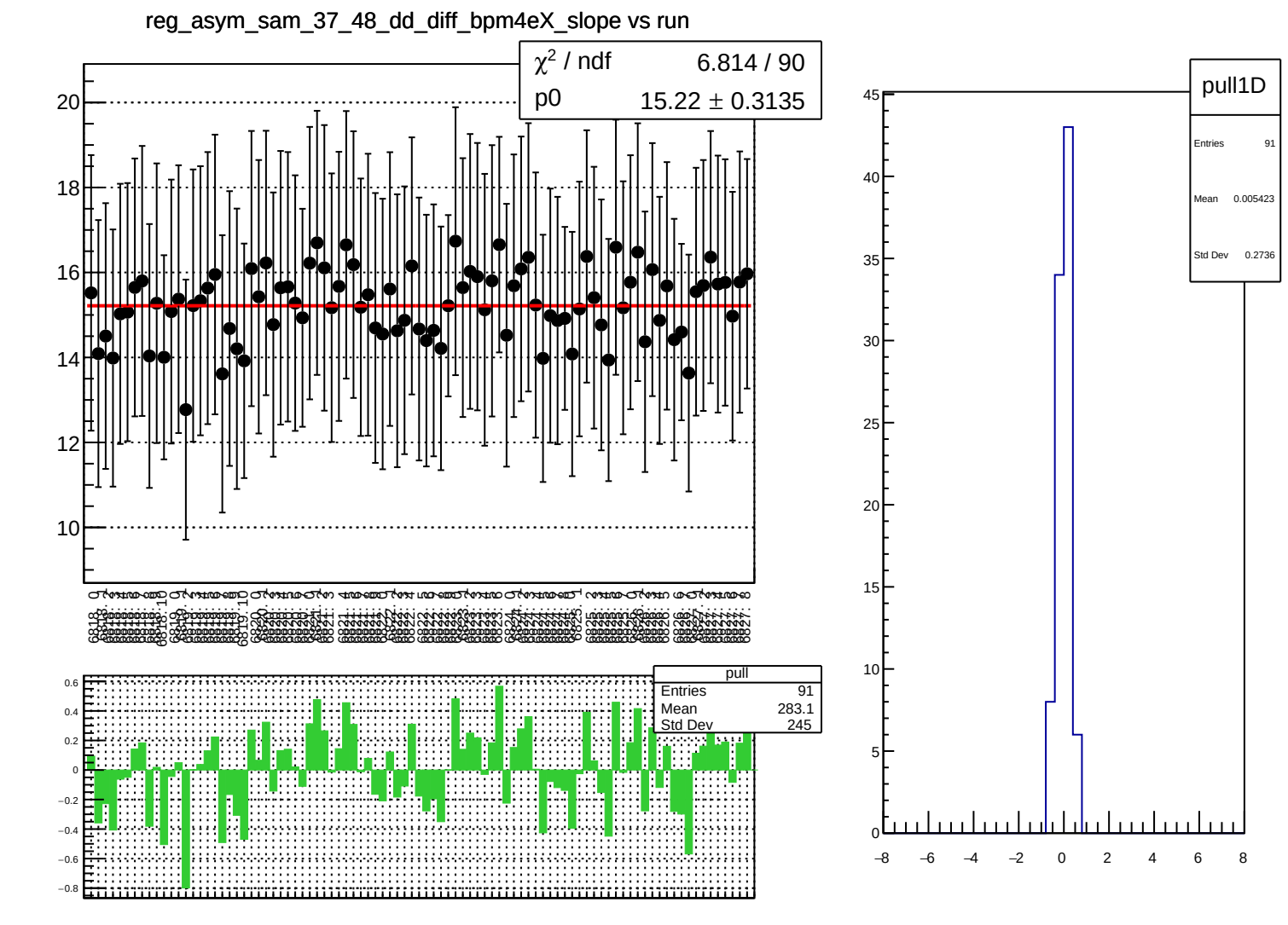

pull1D
Entries 91
Mean 0.006515
Std Dev 0.2599

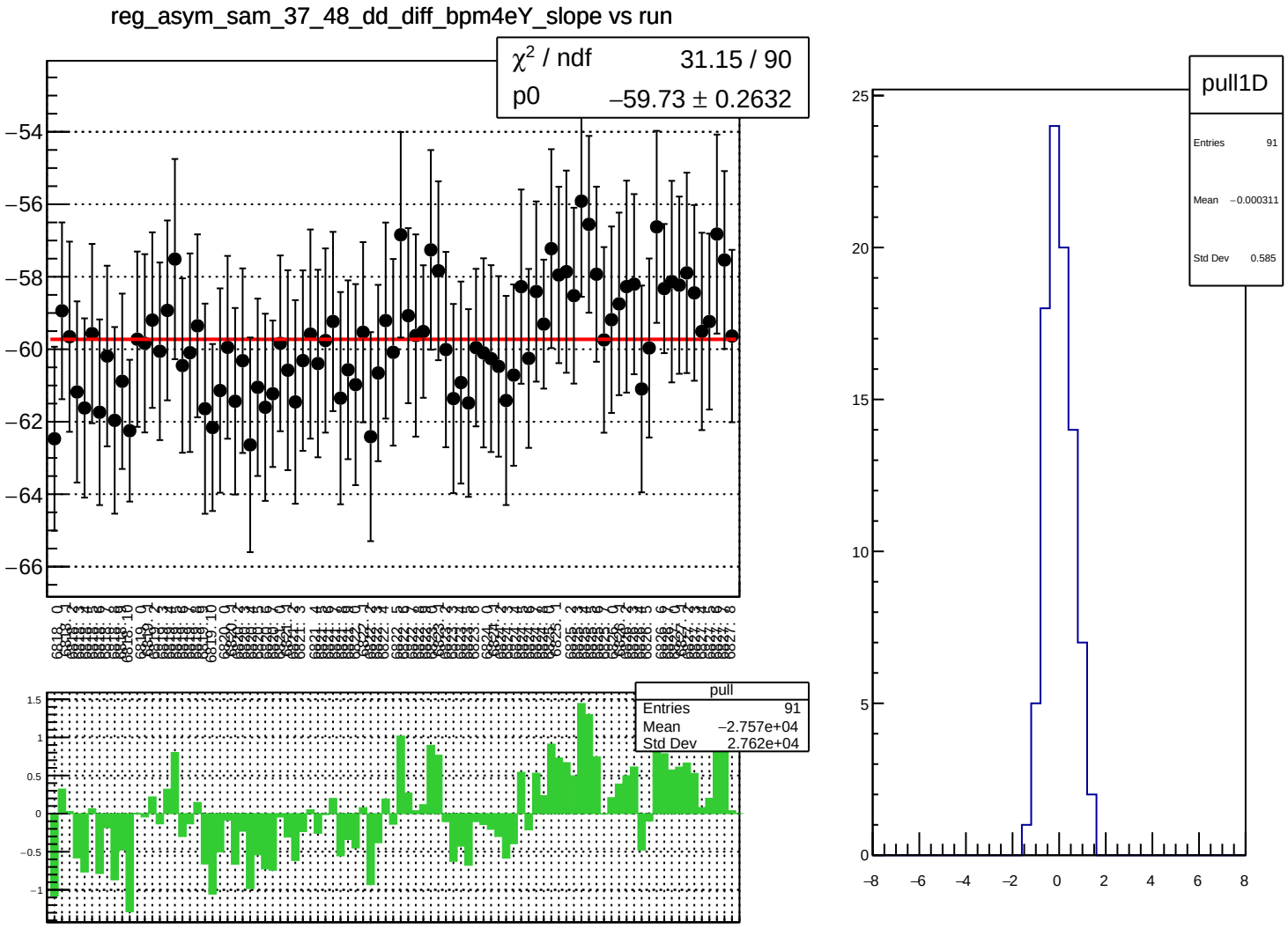

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 6.292 / 90
p0 0.5433 ± 0.3351
pull
Entries 91
Mean 229.7
Std Dev 185.2

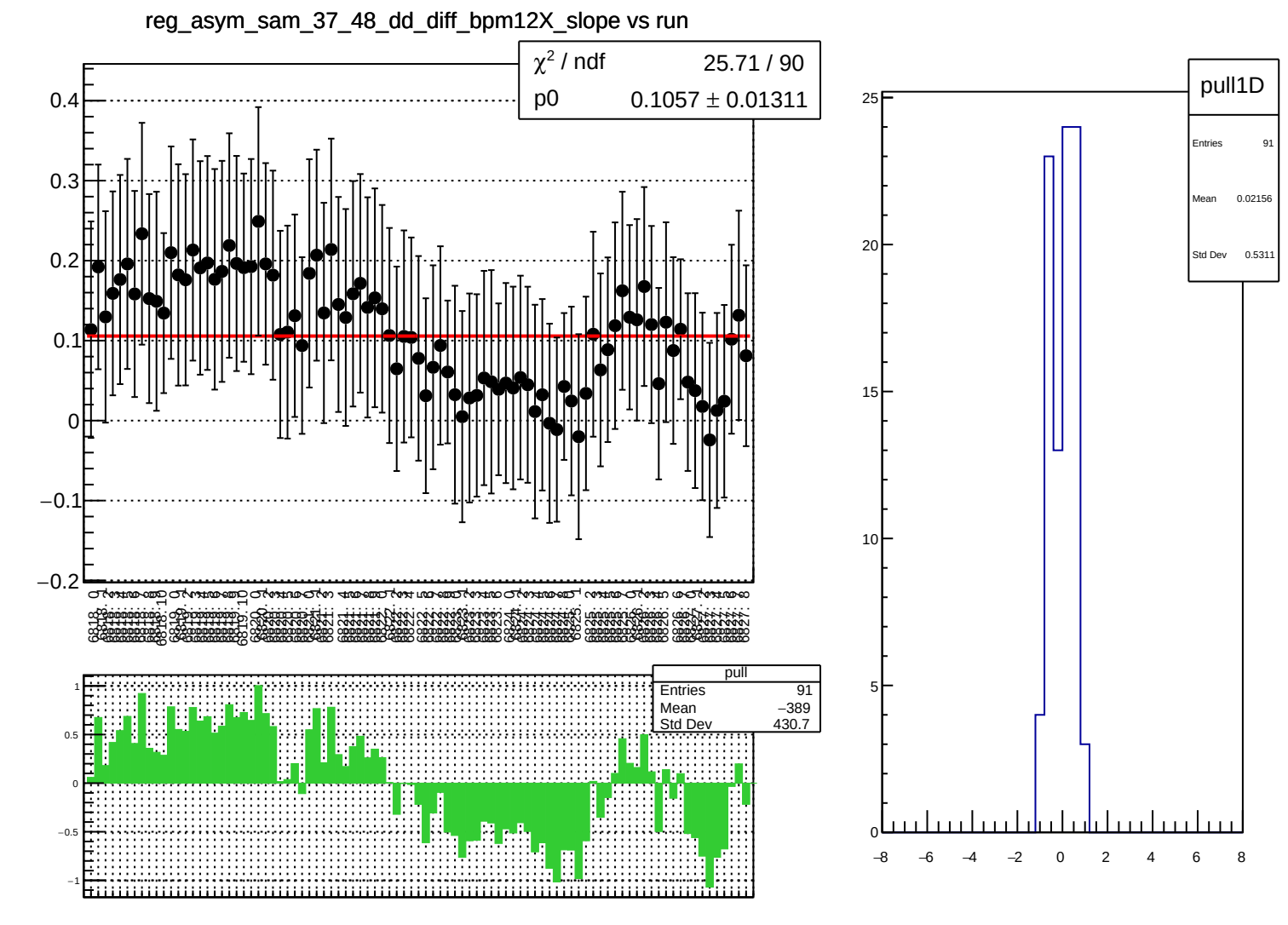

pull1D
Entries 91
Mean −0.004191
Std Dev 0.2629

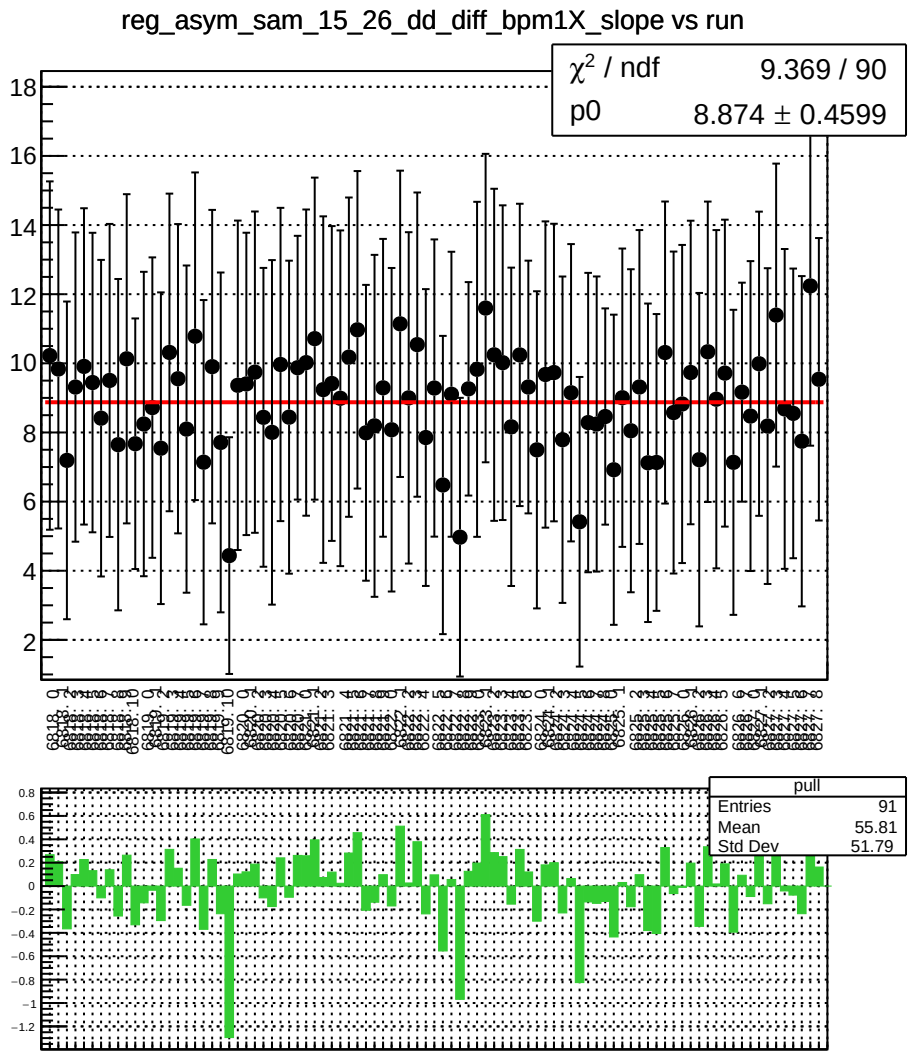

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.91 / 90
p0 6.318 ± 0.2271
pull
Entries 91
Mean 348.9
Std Dev 301.1

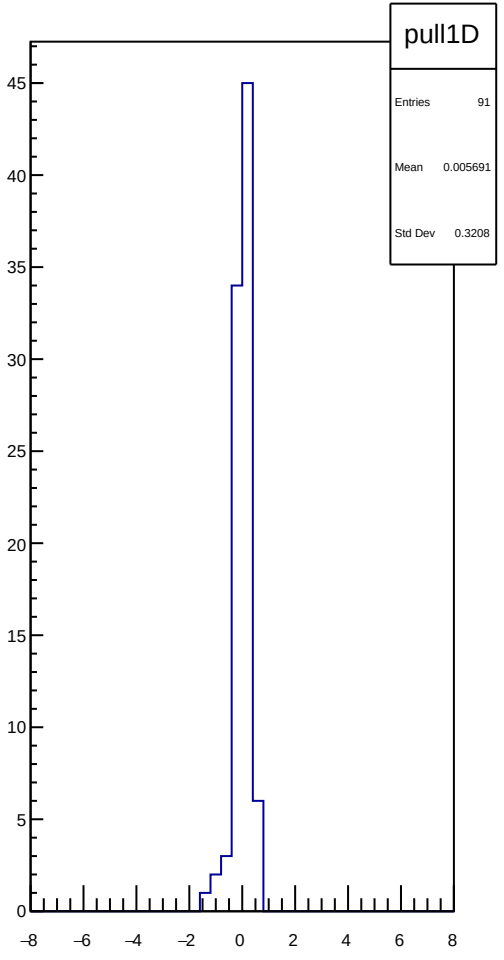

pull1D
Entries 91
Mean −0.03517
Std Dev 0.6359

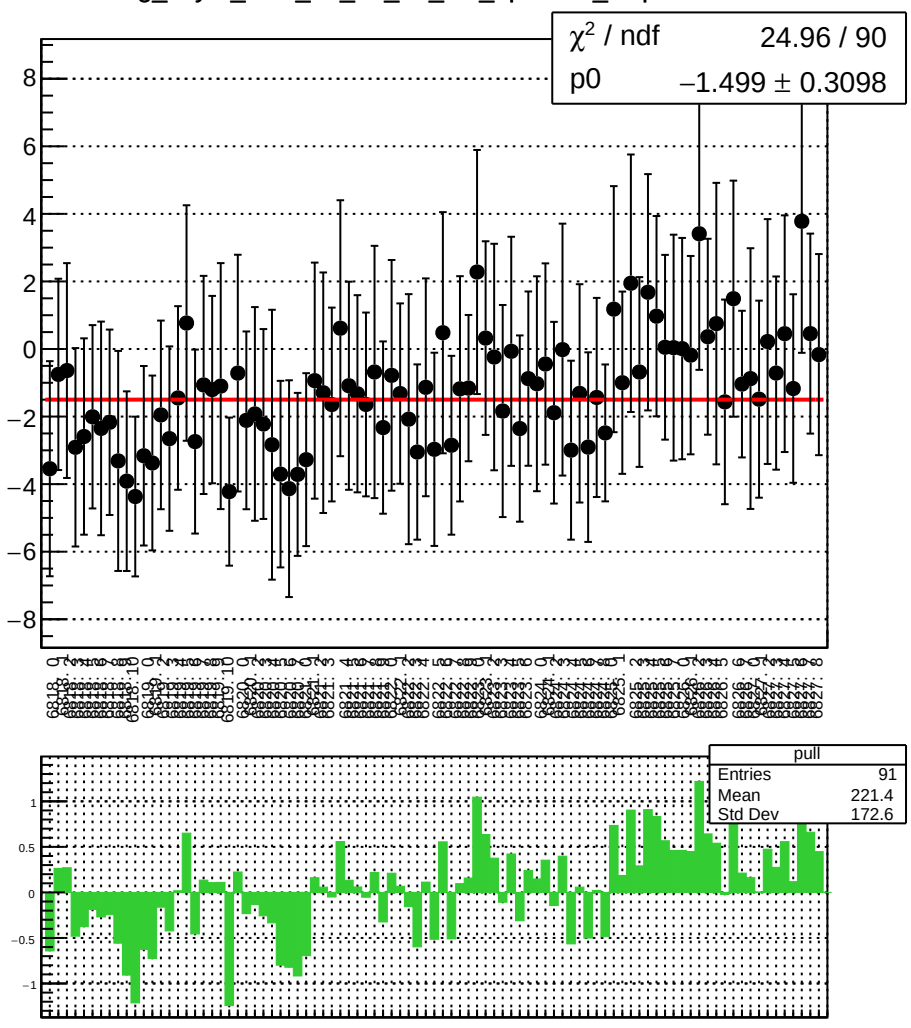

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.814 / 90
p0 15.22 ± 0.3135
pull
Entries 91
Mean 283.1
Std Dev 245
pull1D
Entries 91
Mean 0.005423
Std Dev 0.2736

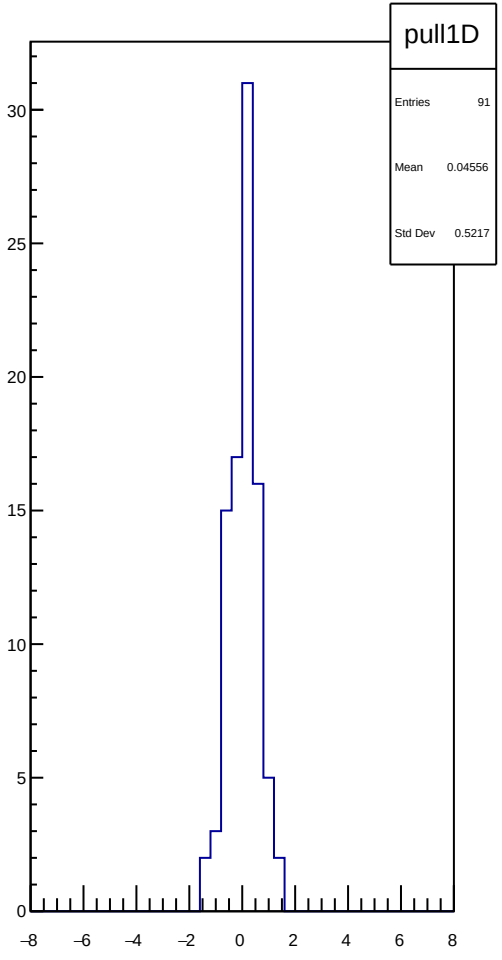

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.15 / 90
p0 −59.73 ± 0.2632
pull
Entries 91
Mean −2.757e+04
Std Dev 2.762e+04
pull1D
Entries 91
Mean −0.000311
Std Dev 0.585

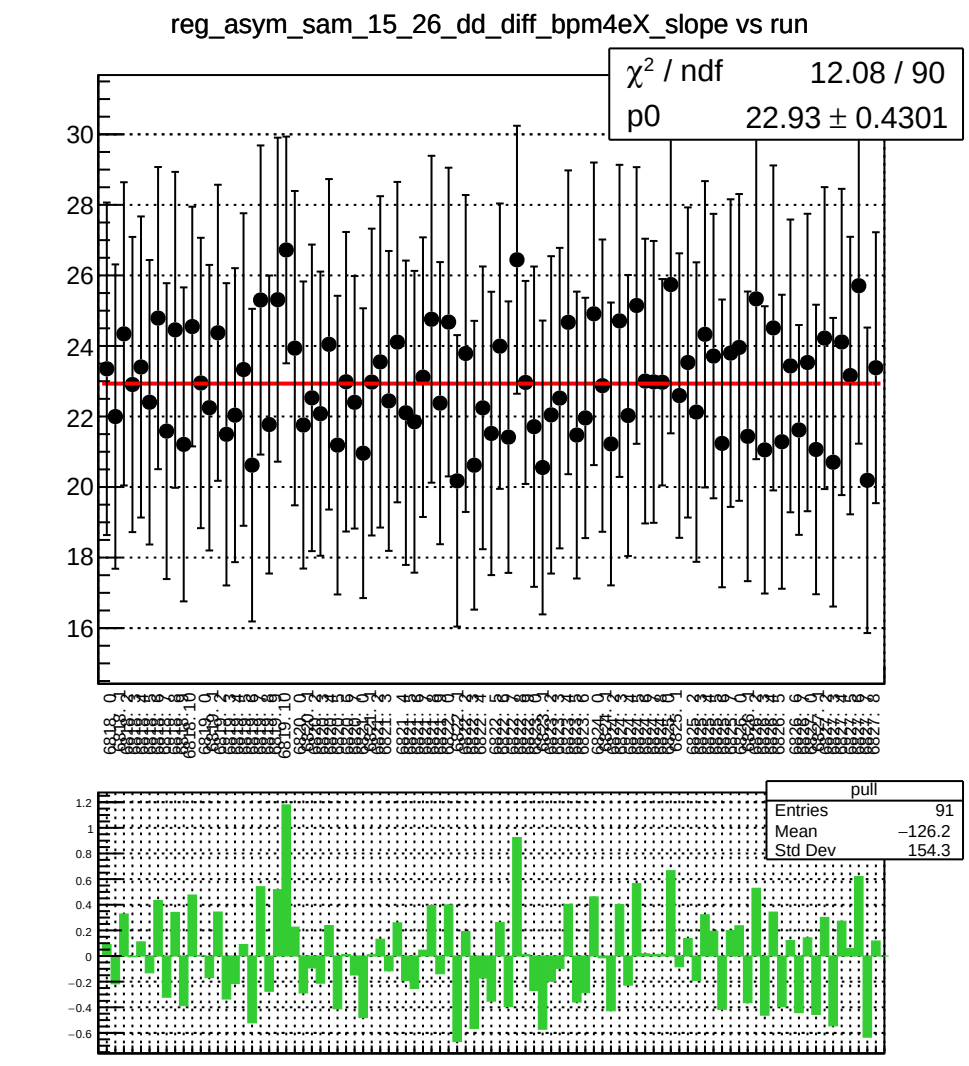

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 25.71 / 90
p0 0.1057 ± 0.01311
pull
Entries 91
Mean −389
Std Dev 430.7
pull1D
Entries 91
Mean 0.02156
Std Dev 0.5311

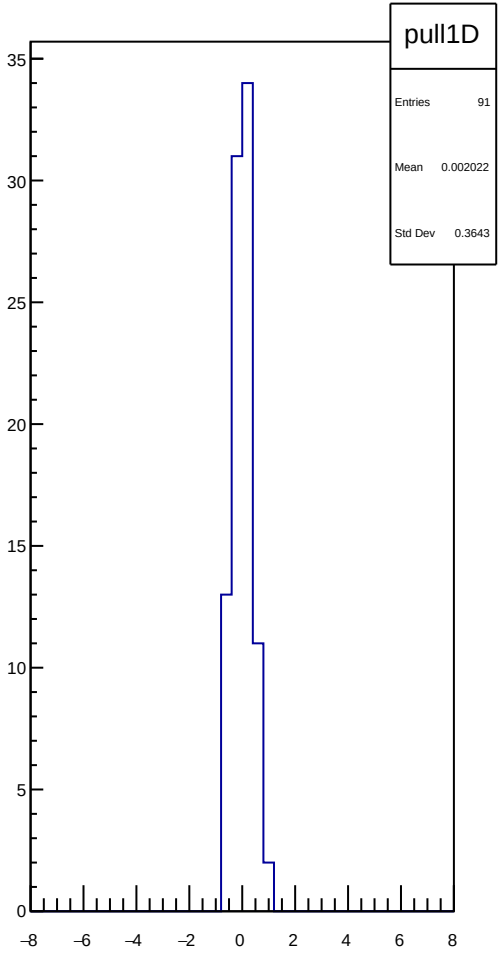

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.369 / 90
p0 8.874 ± 0.4599
pull
Entries 91
Mean 55.81
Std Dev 51.79

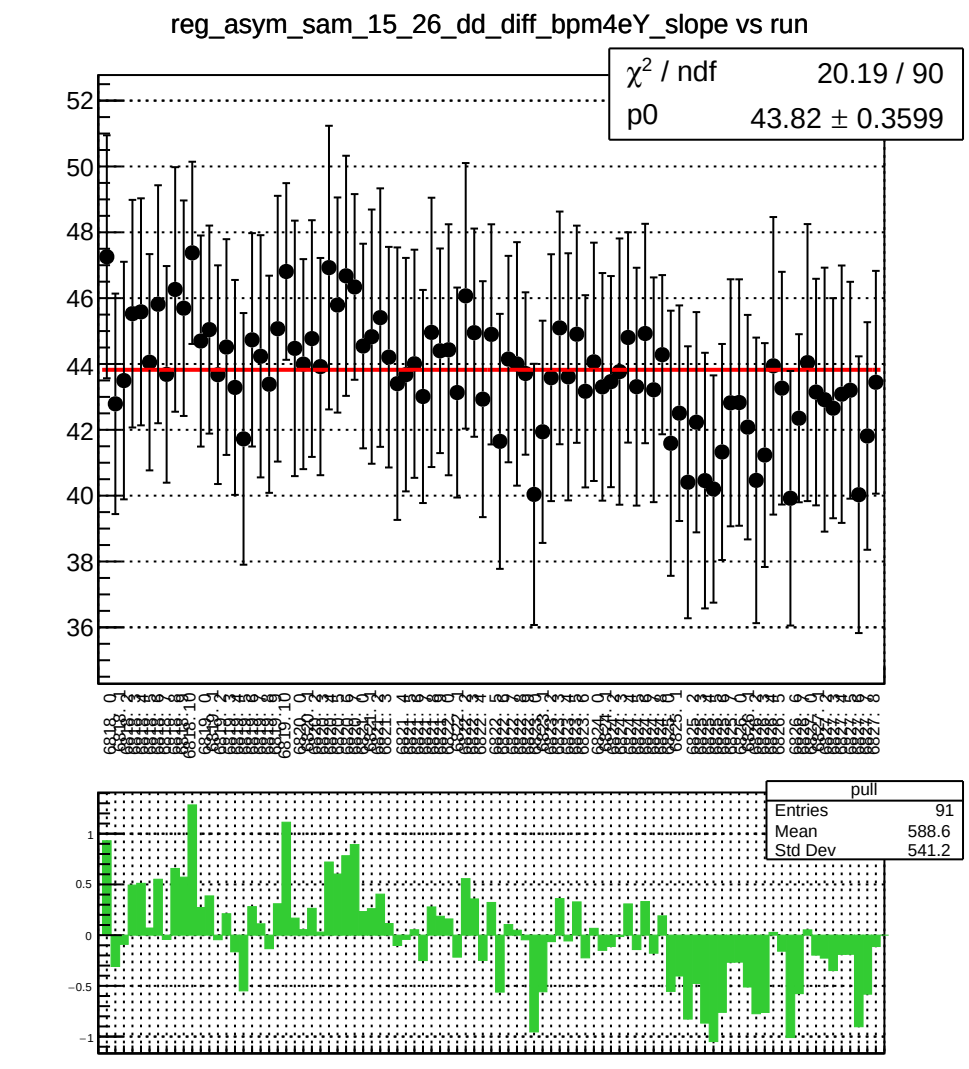

pull1D
Entries 91
Mean 0.005691
Std Dev 0.3208

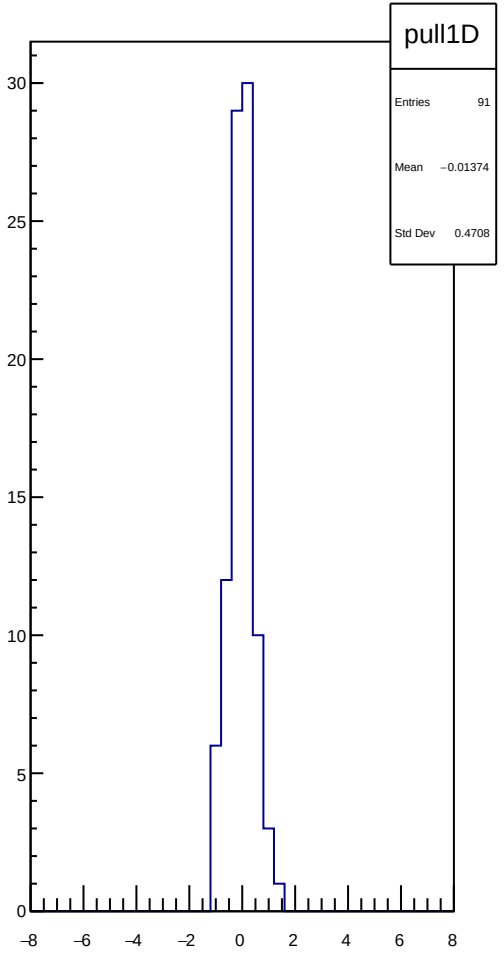

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.96 / 90
p0 −1.499 ± 0.3098
pull
Entries 91
Mean 221.4
Std Dev 172.6

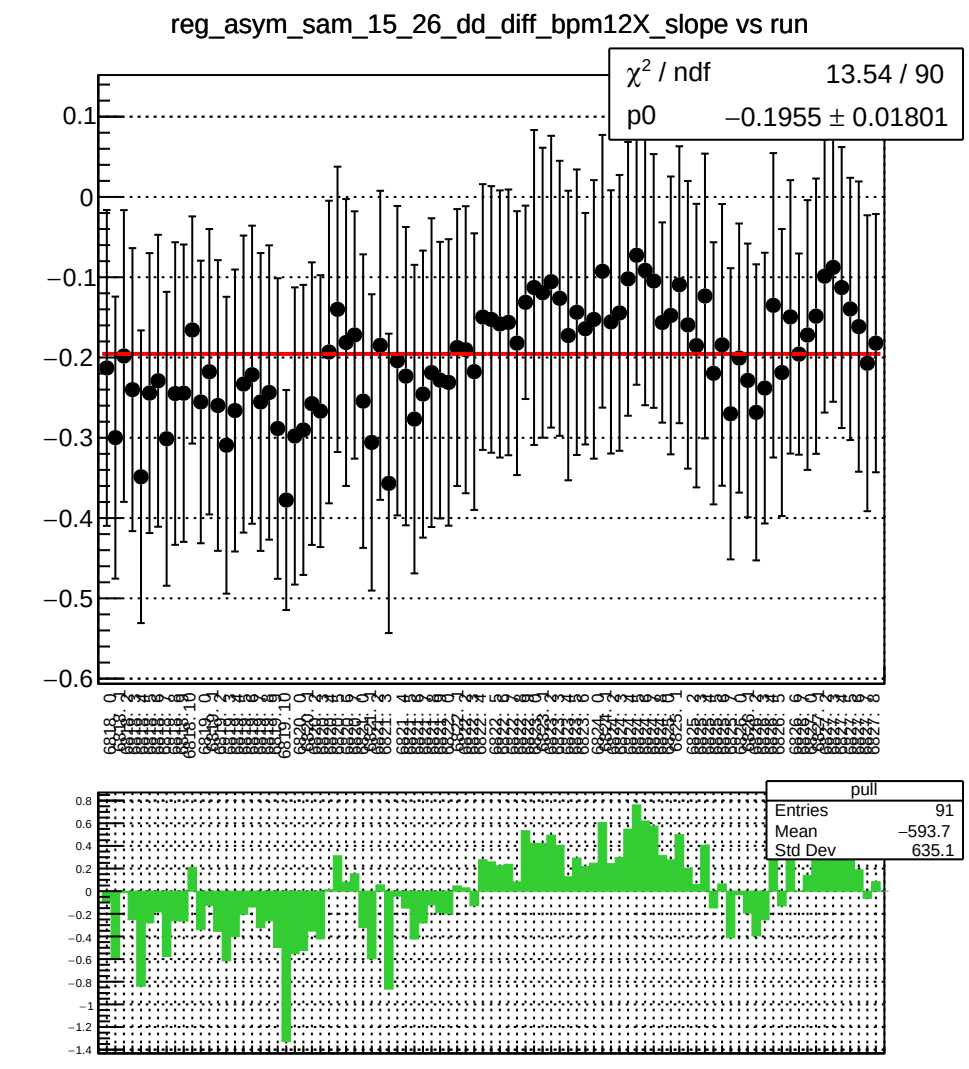

pull1D
Entries 91
Mean 0.04556
Std Dev 0.5217

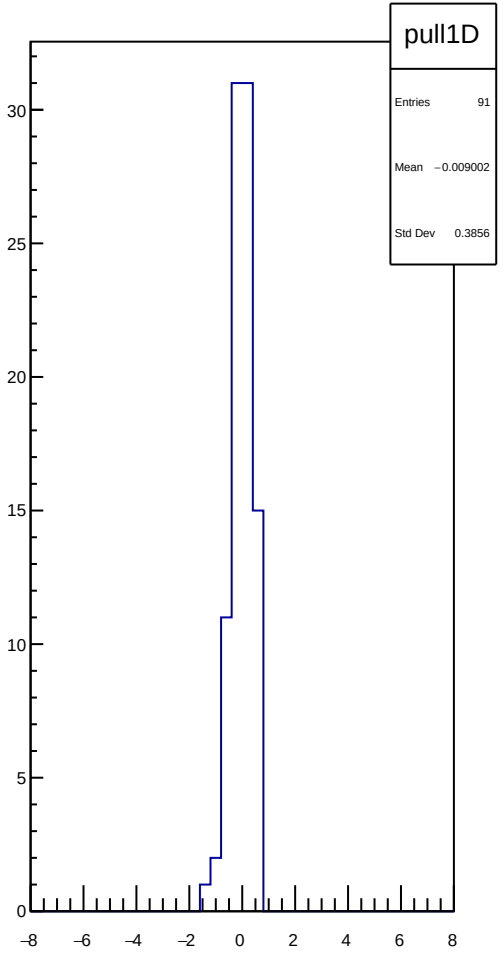

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.08 / 90
p0 22.93 ± 0.4301
pull
Entries 91
Mean −126.2
Std Dev 154.3

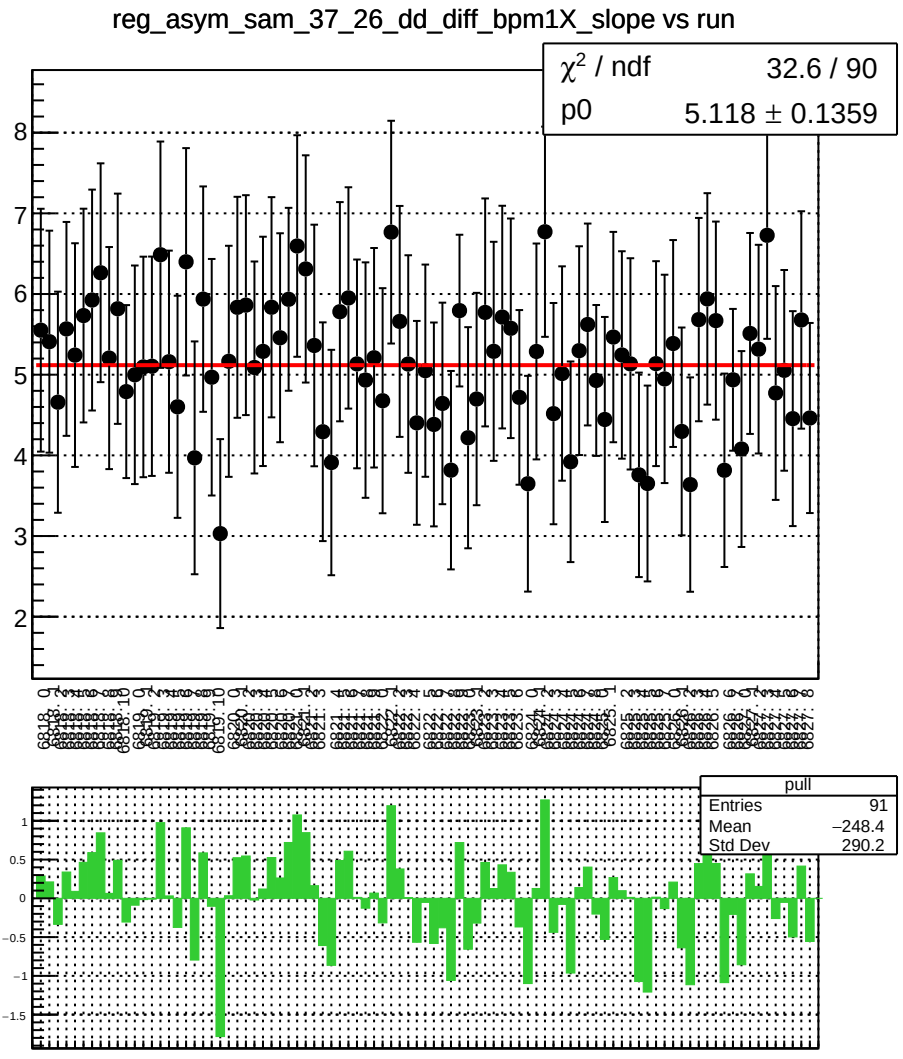

pull1D
Entries 91
Mean 0.002022
Std Dev 0.3643

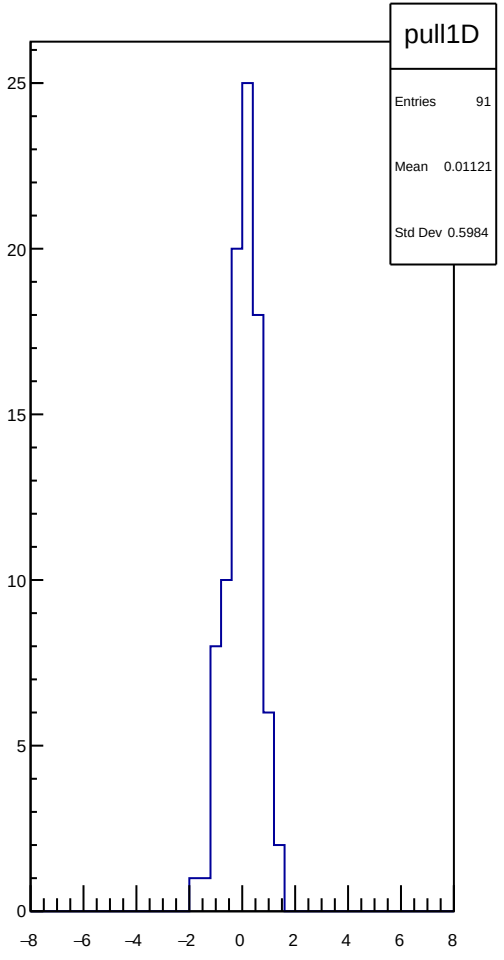

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.19 / 90
p0 43.82 ± 0.3599
pull
Entries 91
Mean 588.6
Std Dev 541.2

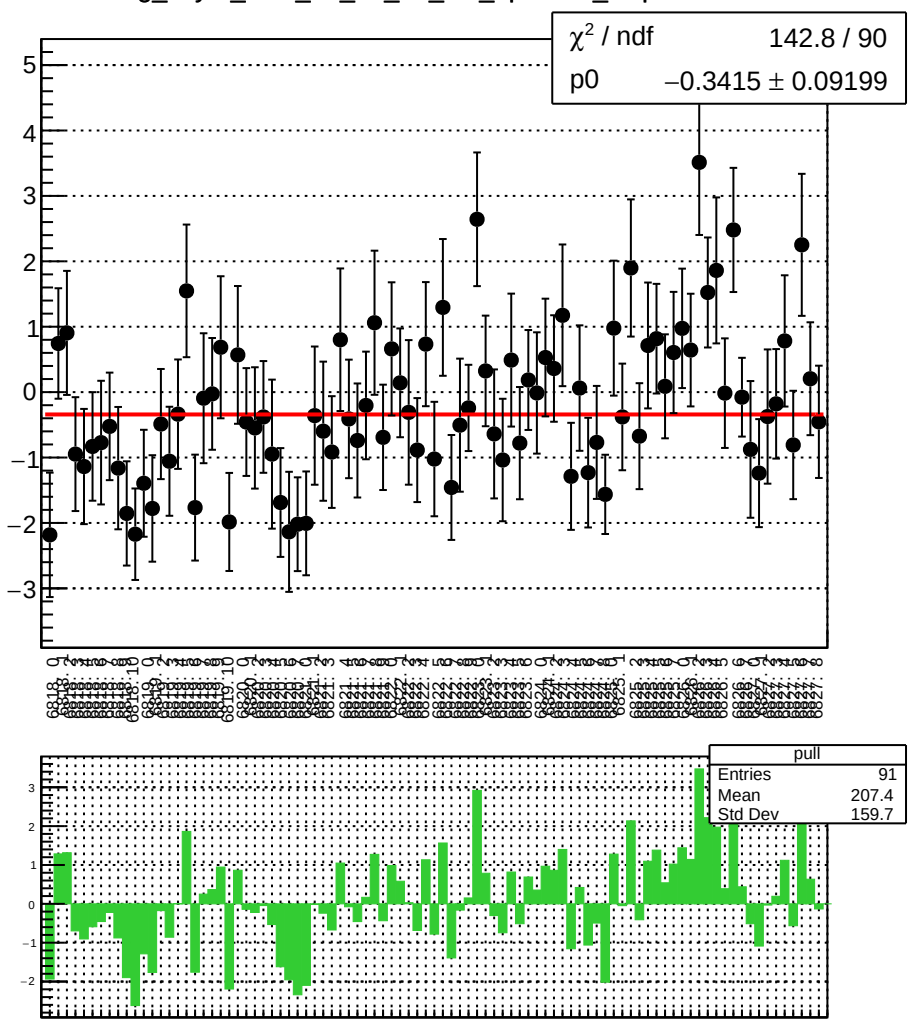

pull1D
Entries 91
Mean −0.01374
Std Dev 0.4708

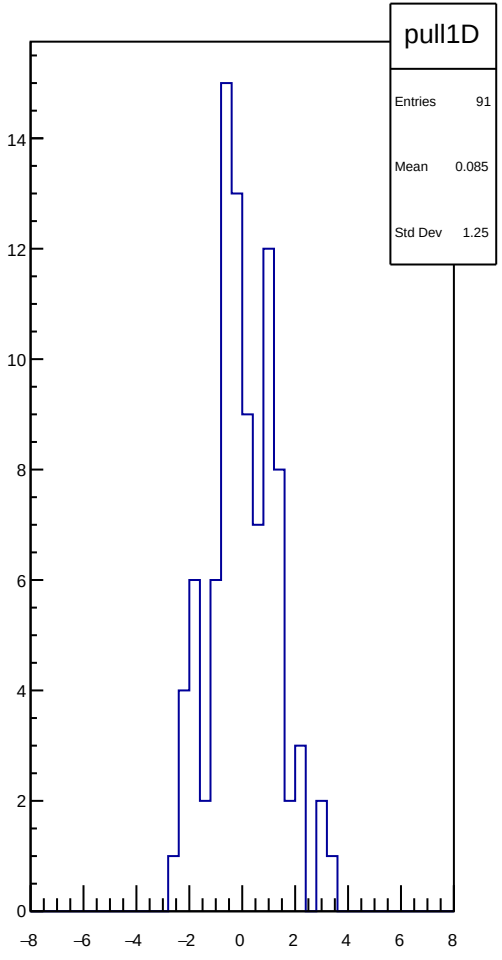

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 13.54 / 90
p0 −0.1955 ± 0.01801
pull
Entries 91
Mean −593.7
Std Dev 635.1

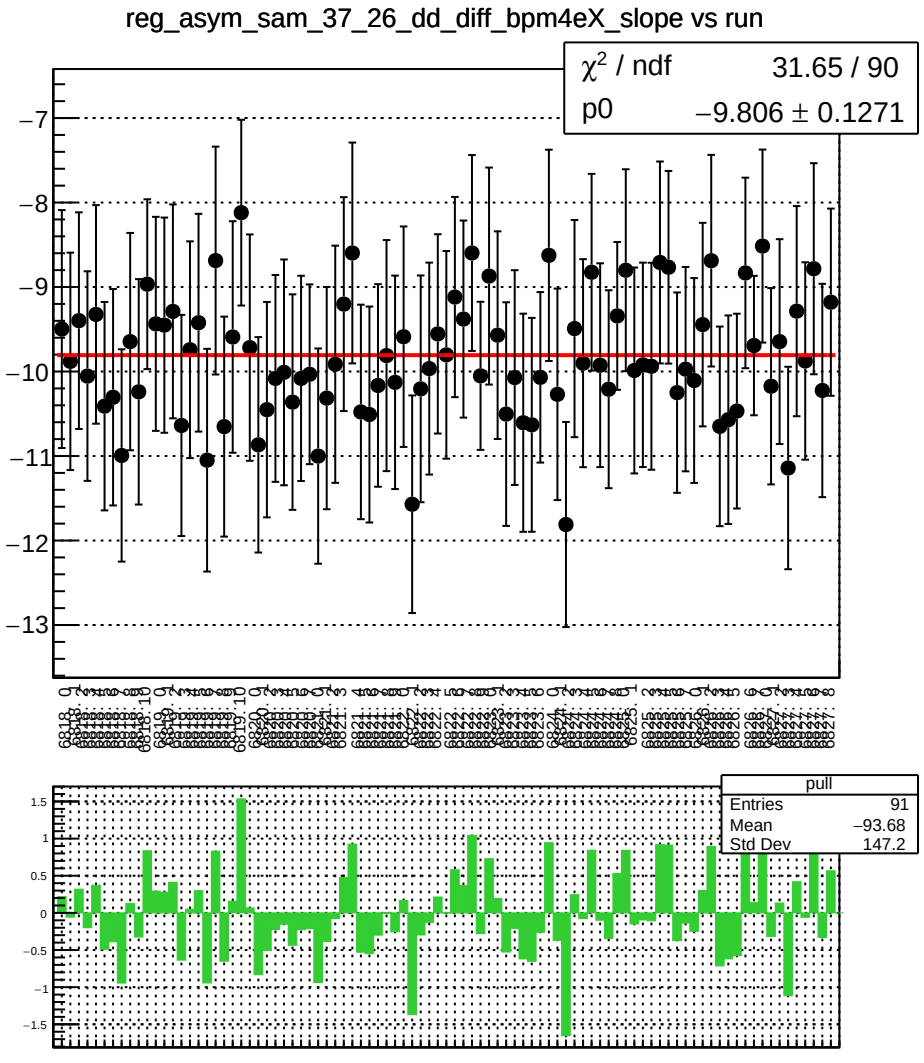

pull1D
Entries 91
Mean −0.009002
Std Dev 0.3856

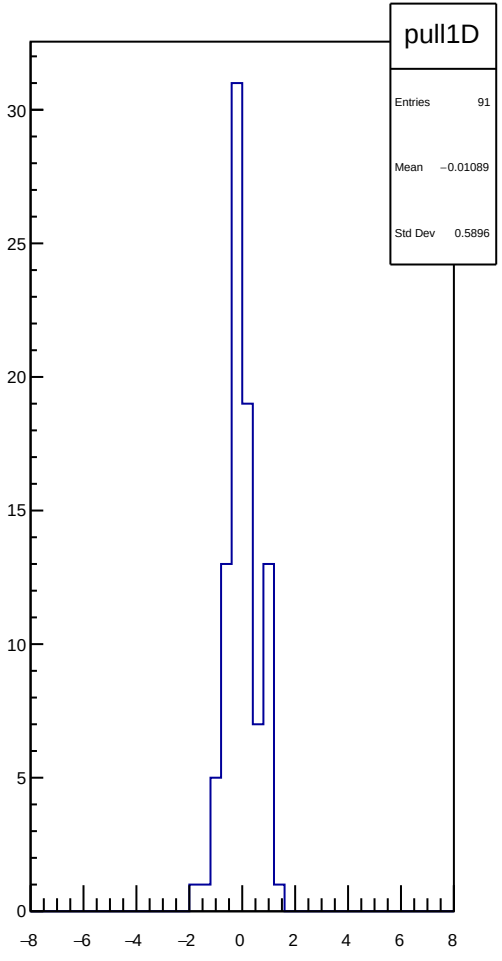

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 32.6 / 90
p0 5.118 ± 0.1359
pull
Entries 91
Mean −248.4
Std Dev 290.2

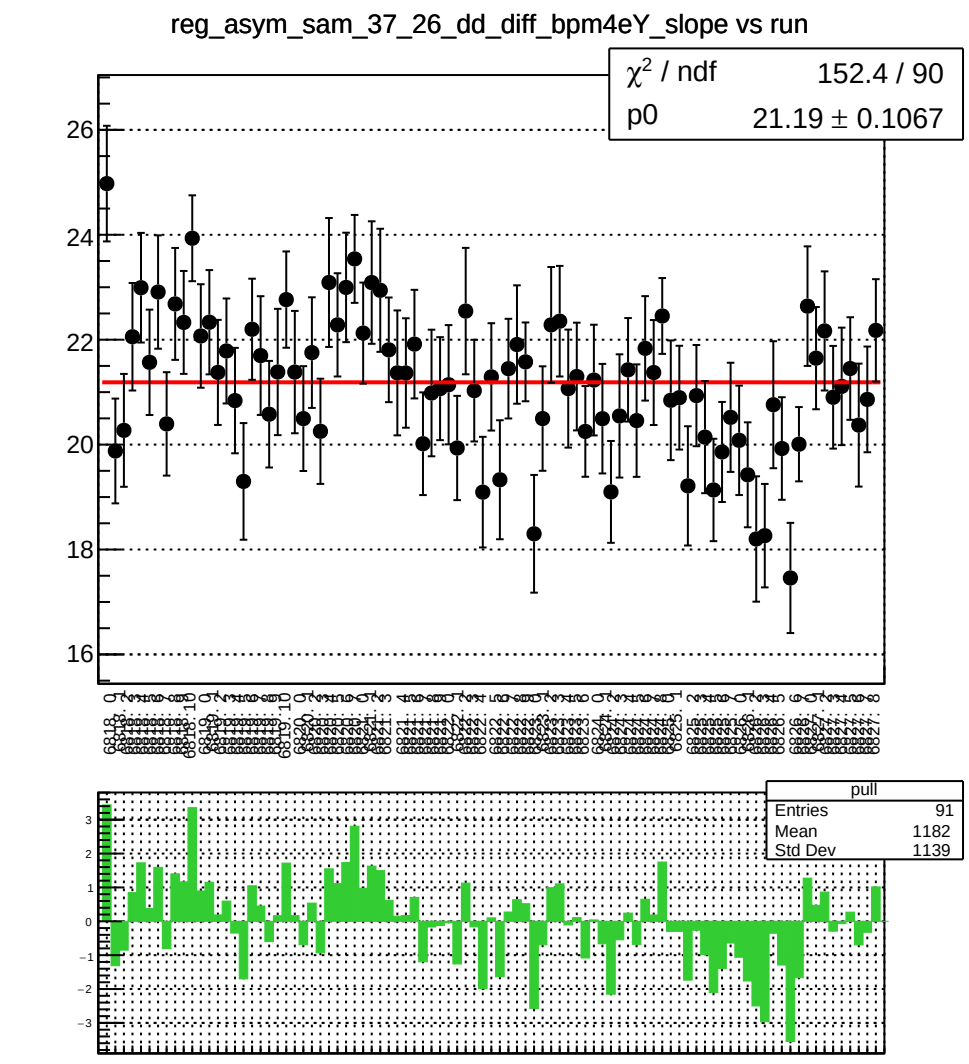

pull1D
Entries 91
Mean 0.01121
Std Dev 0.5984

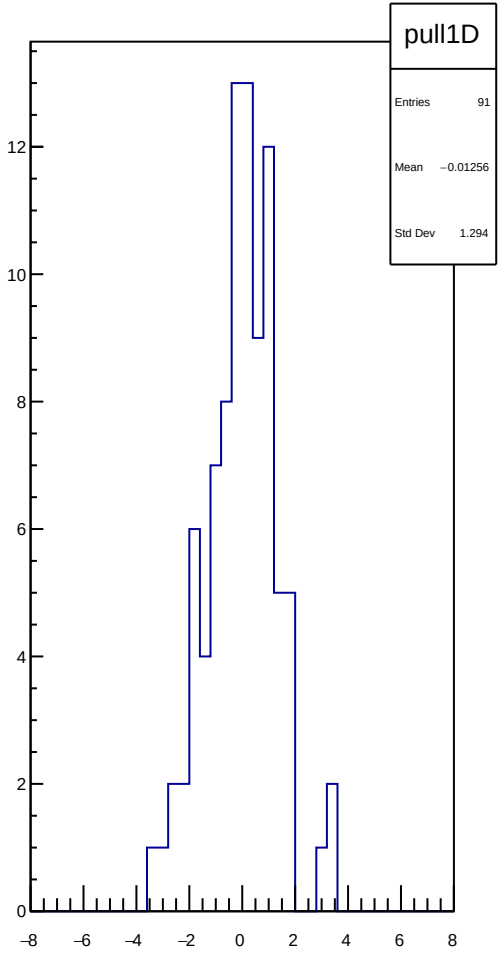

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 142.8 / 90
p0 −0.3415 ± 0.09199
pull
Entries 91
Mean 207.4
Std Dev 159.7

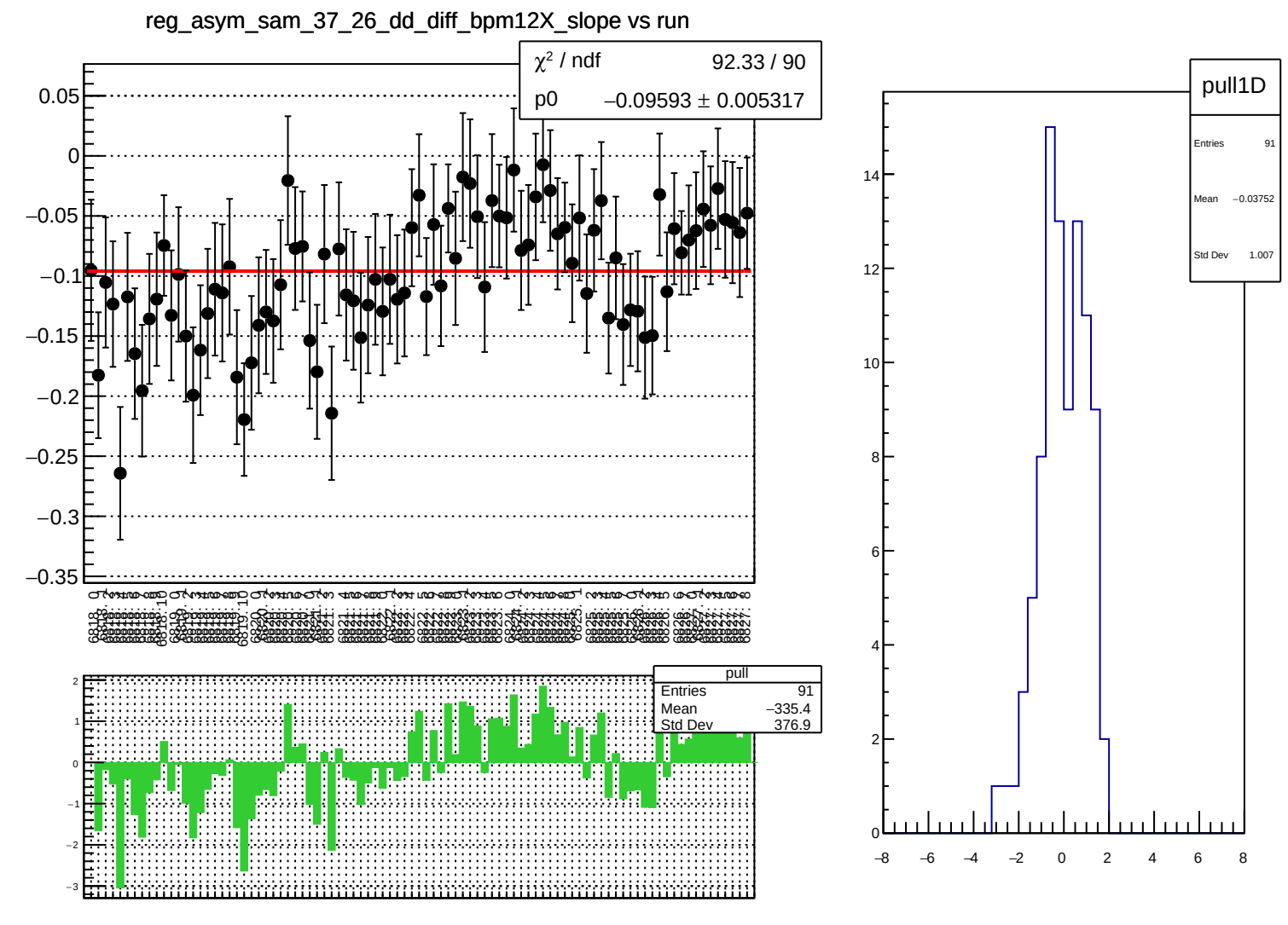

pull1D
Entries 91
Mean 0.085
Std Dev 1.25

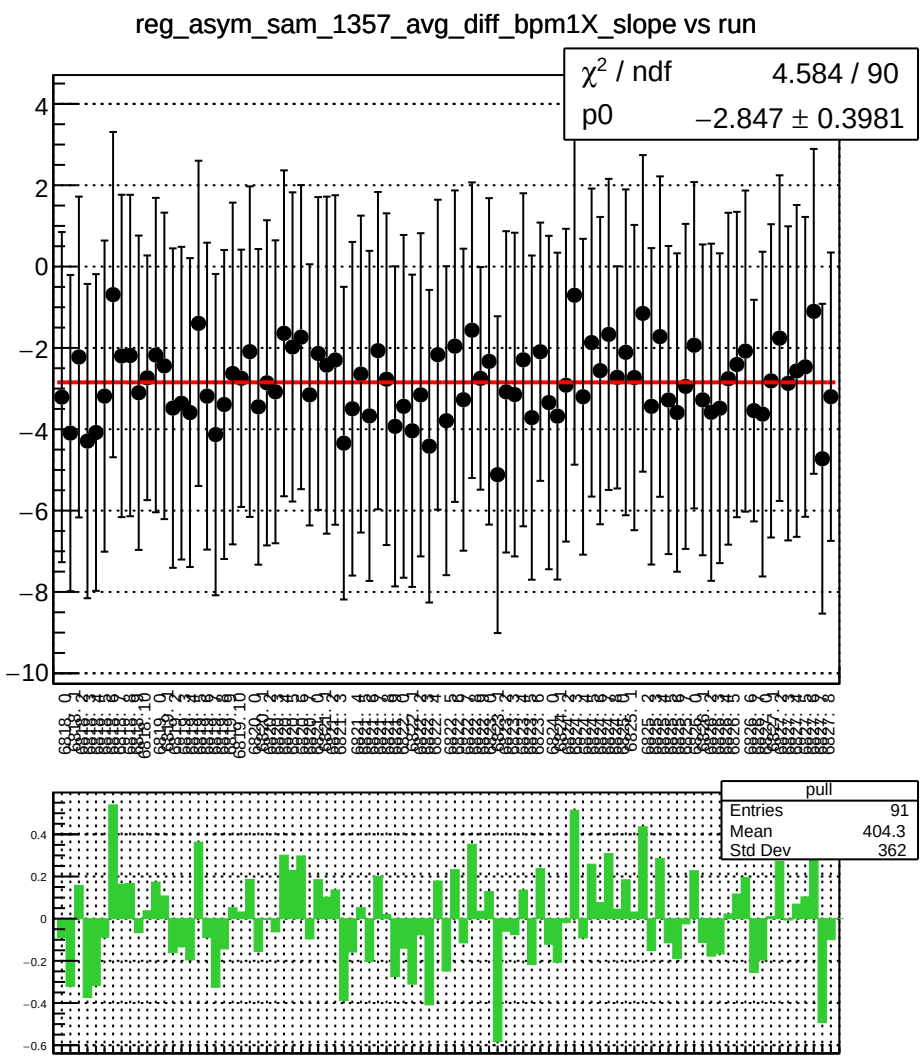

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.65 / 90
p0 −9.806 ± 0.1271
pull
Entries 91
Mean −93.68
Std Dev 147.2

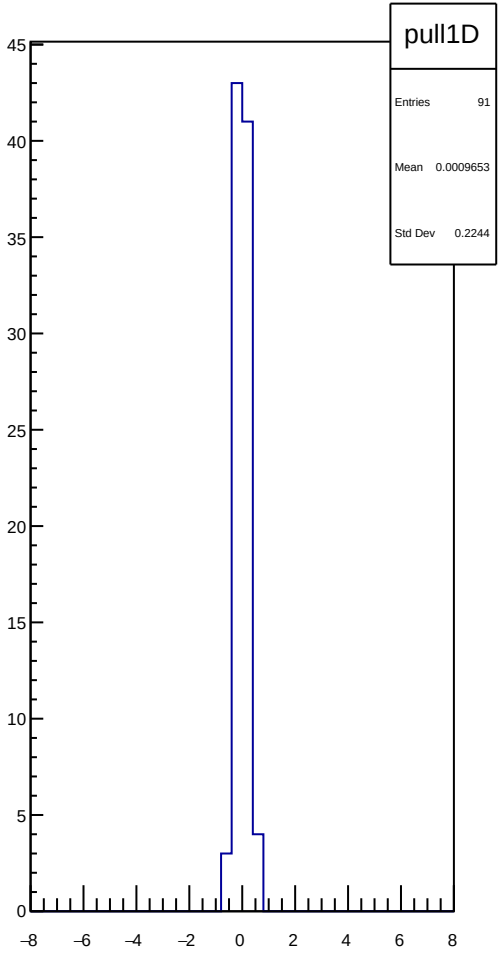

pull1D
Entries 91
Mean −0.01089
Std Dev 0.5896

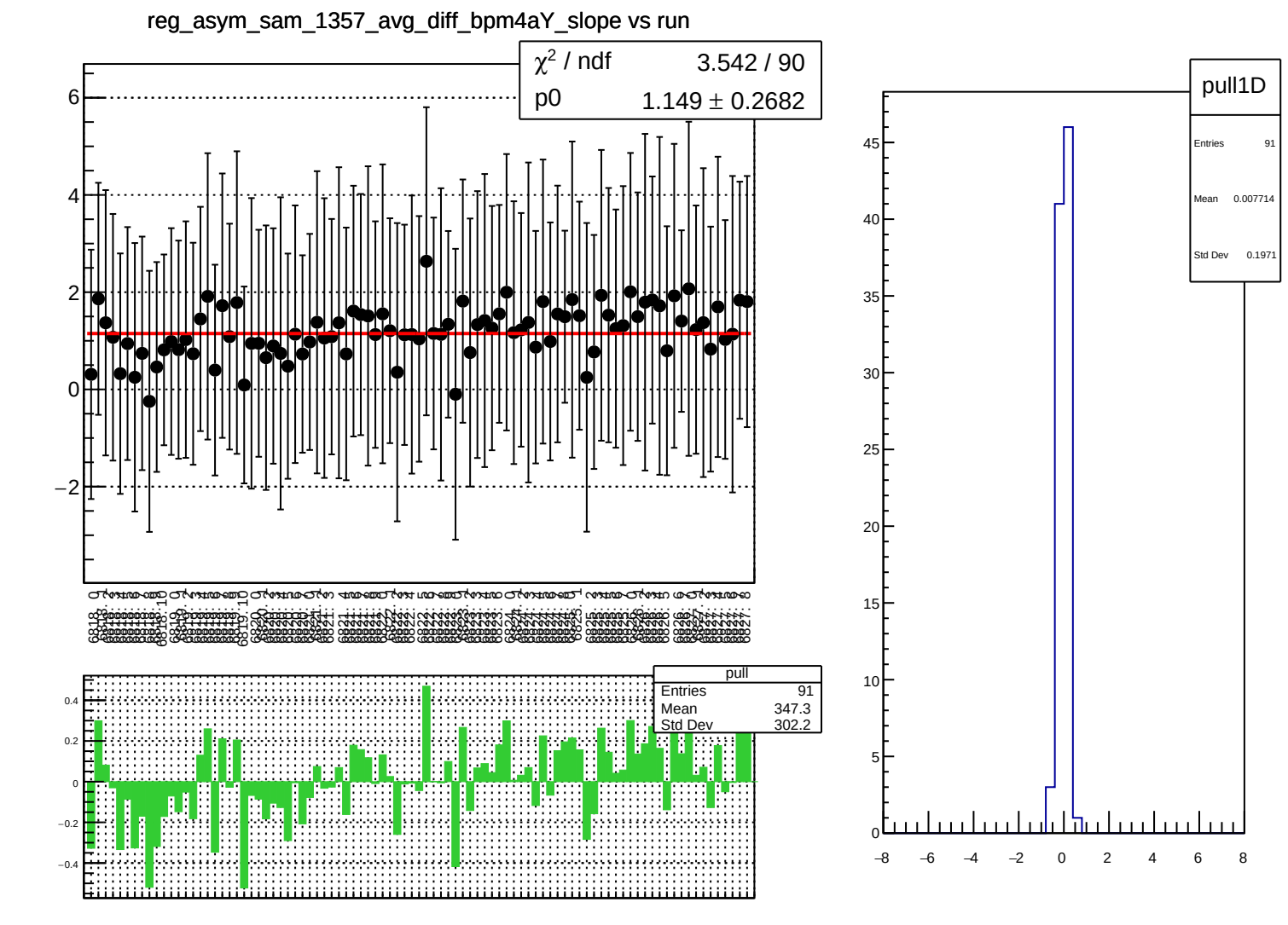

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 152.4 / 90
p0 21.19 ± 0.1067
pull
Entries 91
Mean 1182
Std Dev 1139

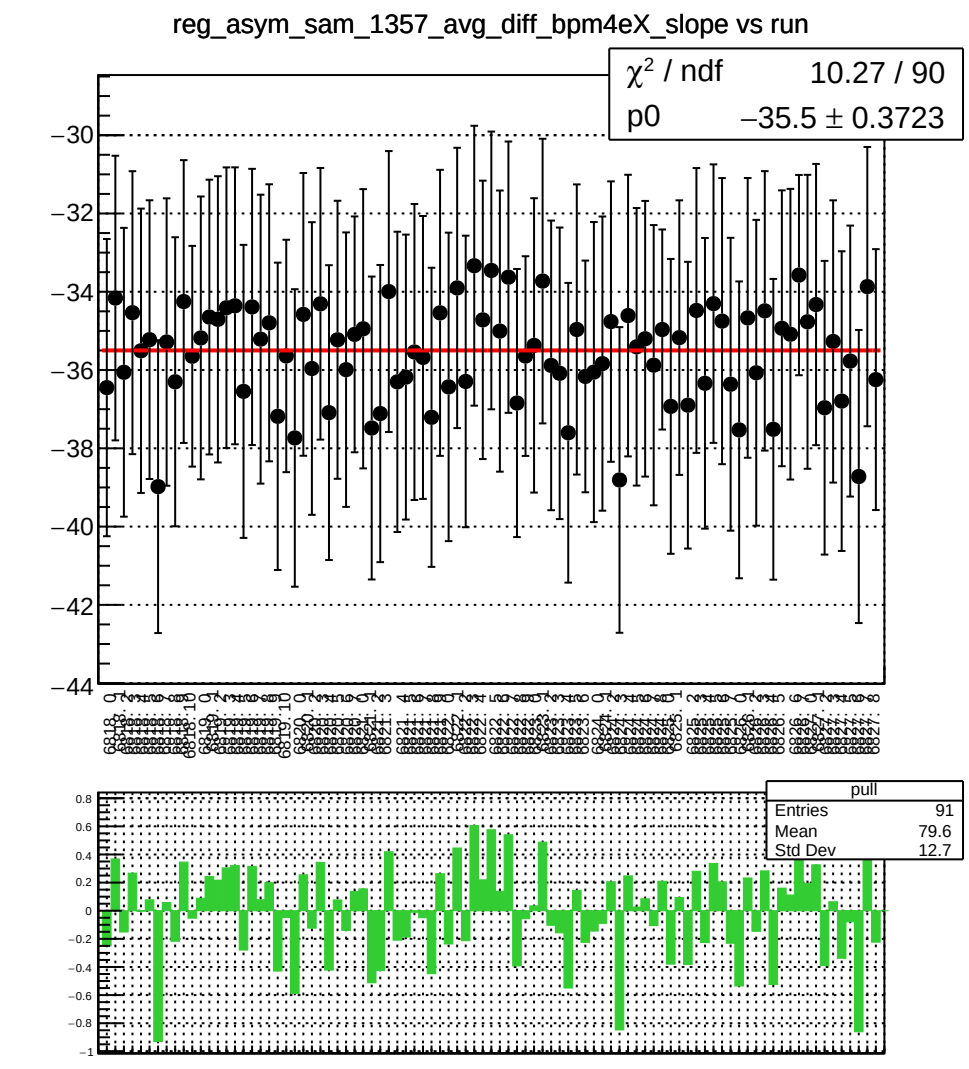

pull1D
Entries 91
Mean −0.01256
Std Dev 1.294

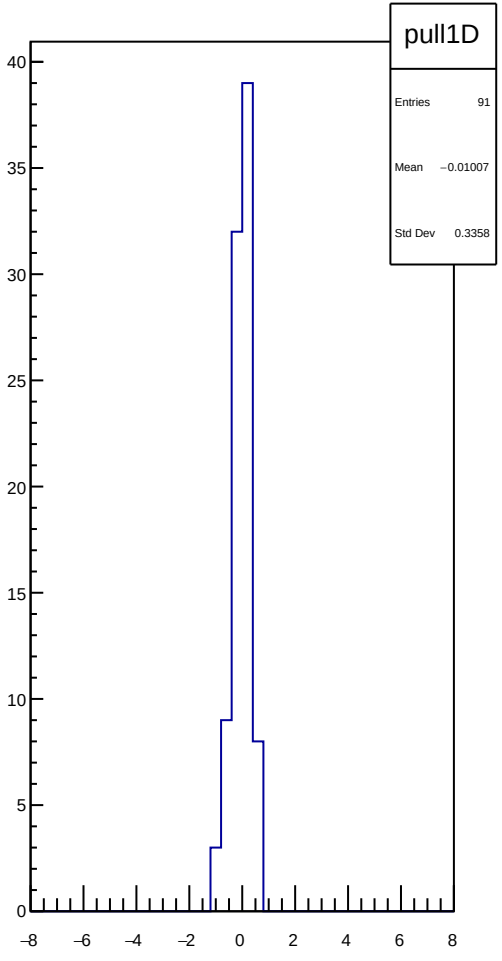

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 92.33 / 90
p0 −0.09593 ± 0.005317
pull
Entries 91
Mean −335.4
Std Dev 376.9
pull1D
Entries 91
Mean −0.03752
Std Dev 1.007

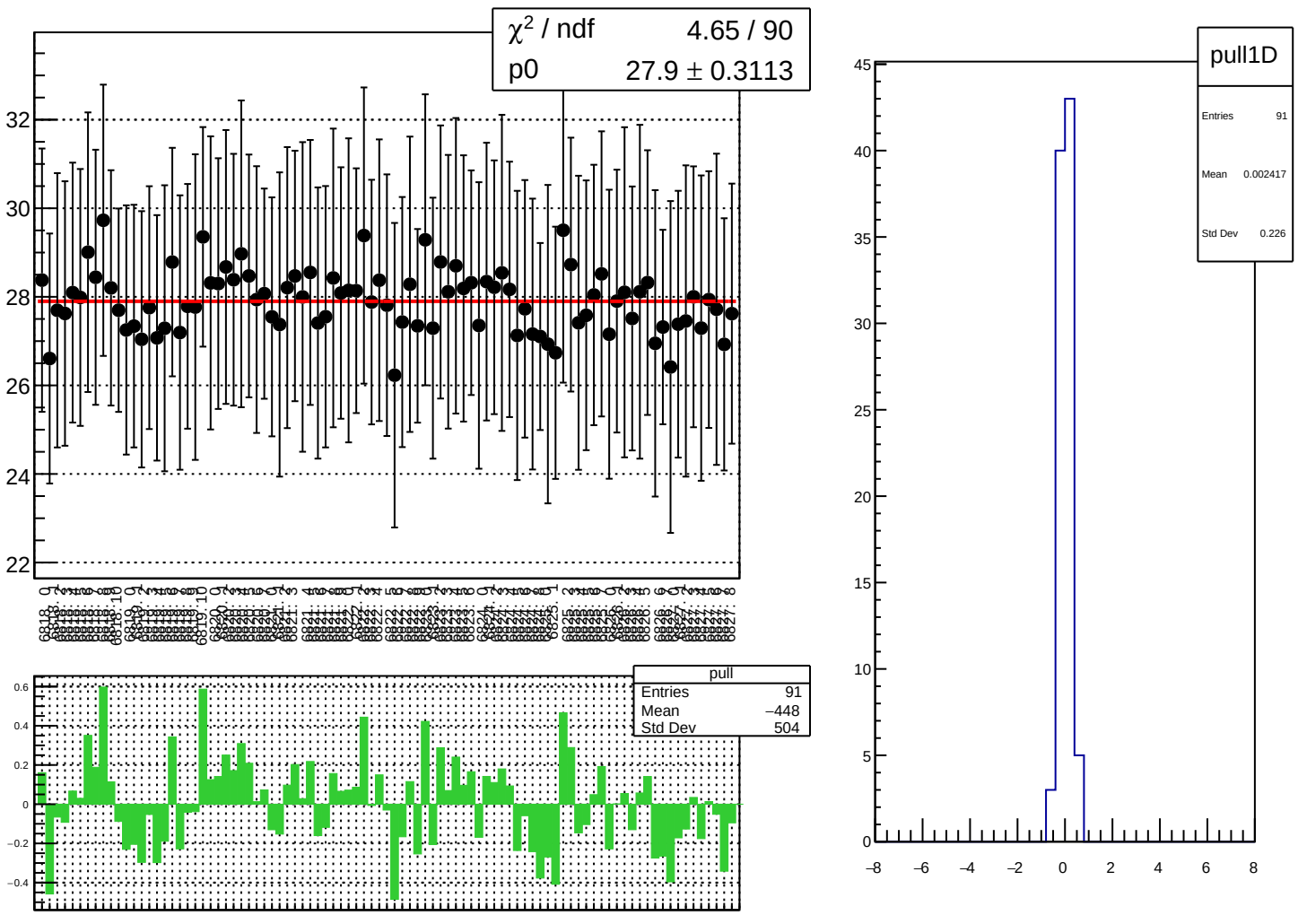

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 4.584 / 90
p0 −2.847 ± 0.3981
pull
Entries 91
Mean 404.3
Std Dev 362

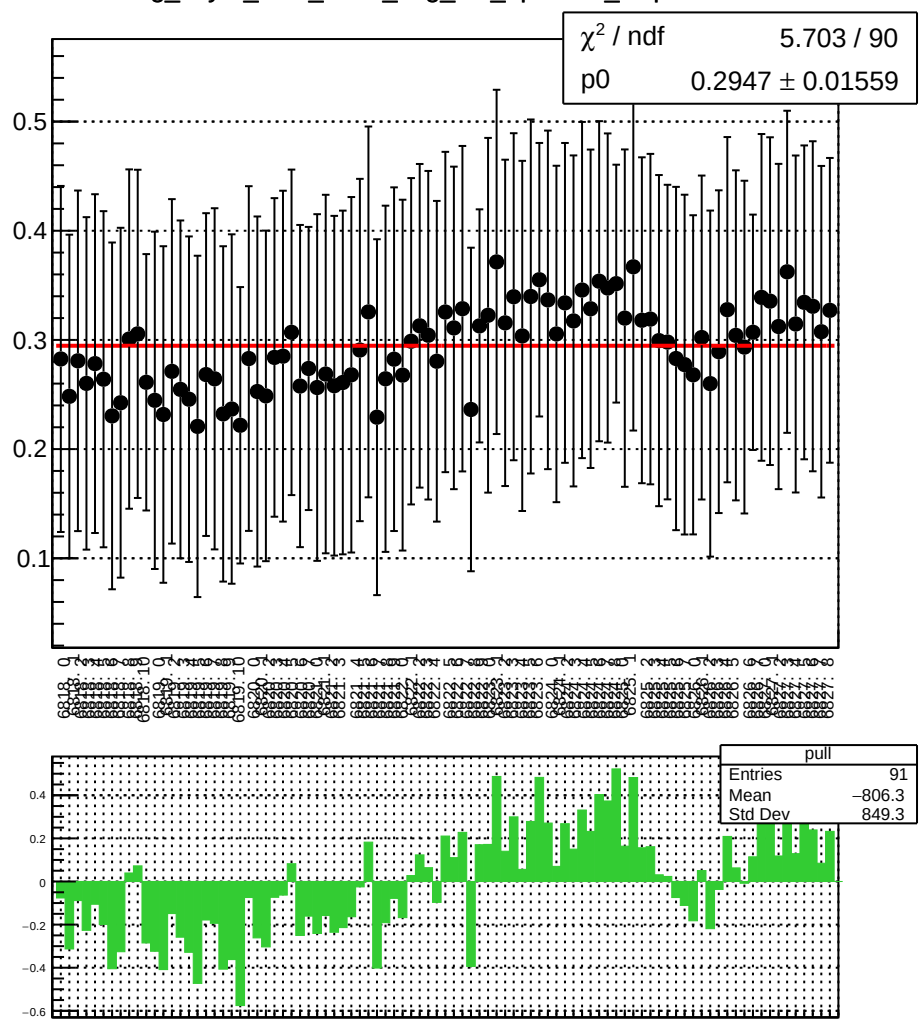

pull1D
Entries 91
Mean 0.0009653
Std Dev 0.2244

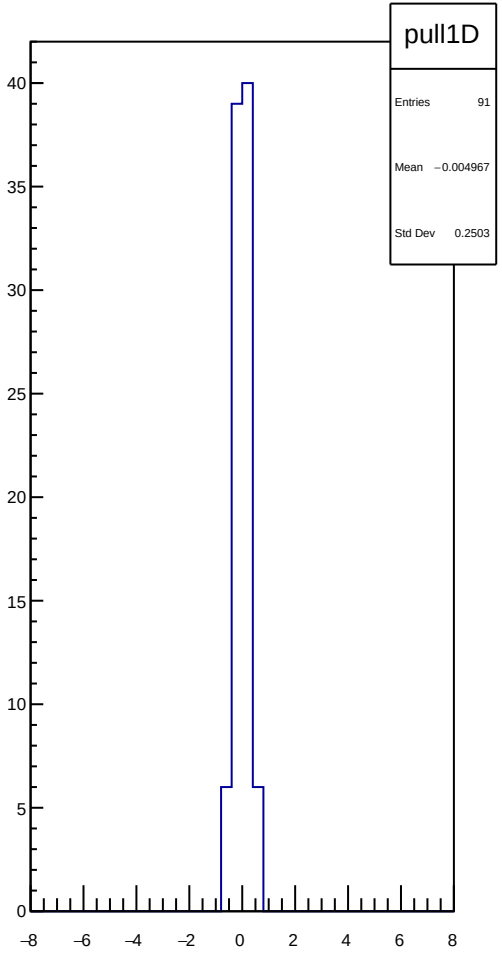

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.542 / 90
p0 1.149 ± 0.2682
pull
Entries 91
Mean 347.3
Std Dev 302.2
pull1D
Entries 91
Mean 0.007714
Std Dev 0.1971

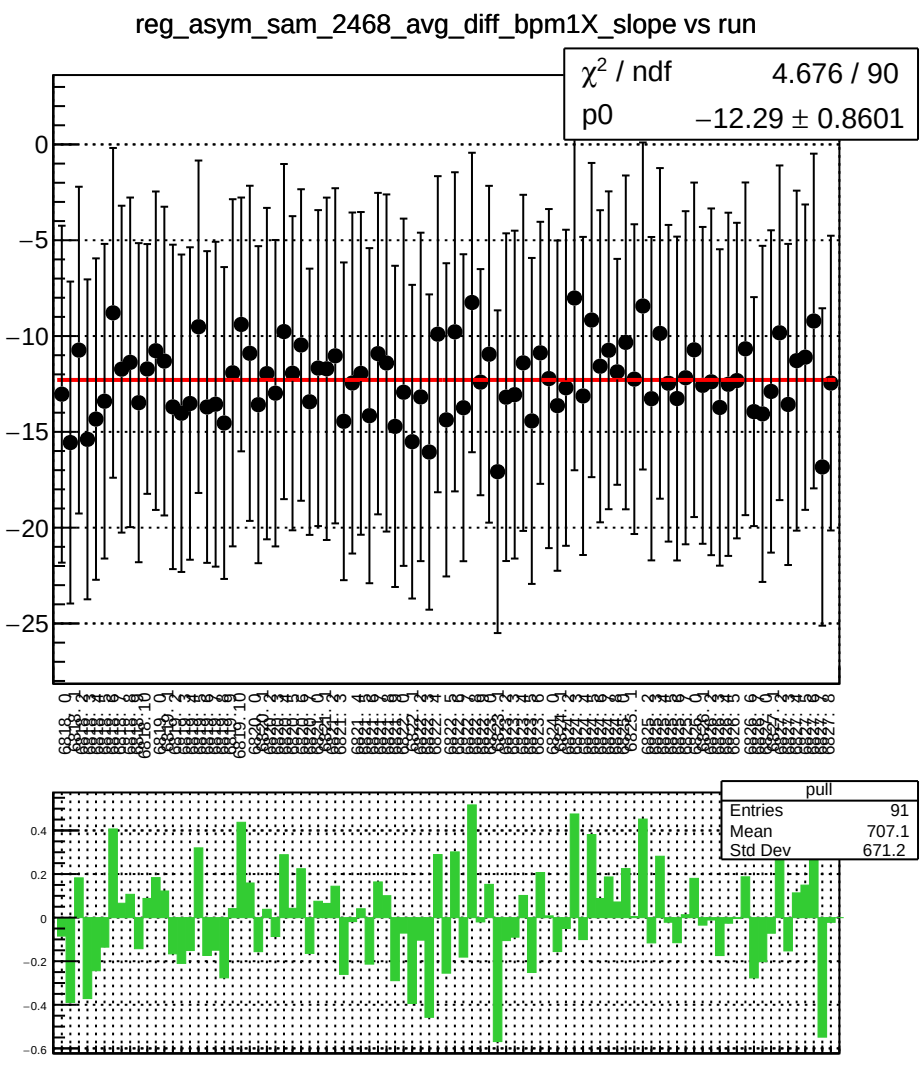

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.27 / 90
p0 −35.5 ± 0.3723
pull
Entries 91
Mean 79.6
Std Dev 12.7

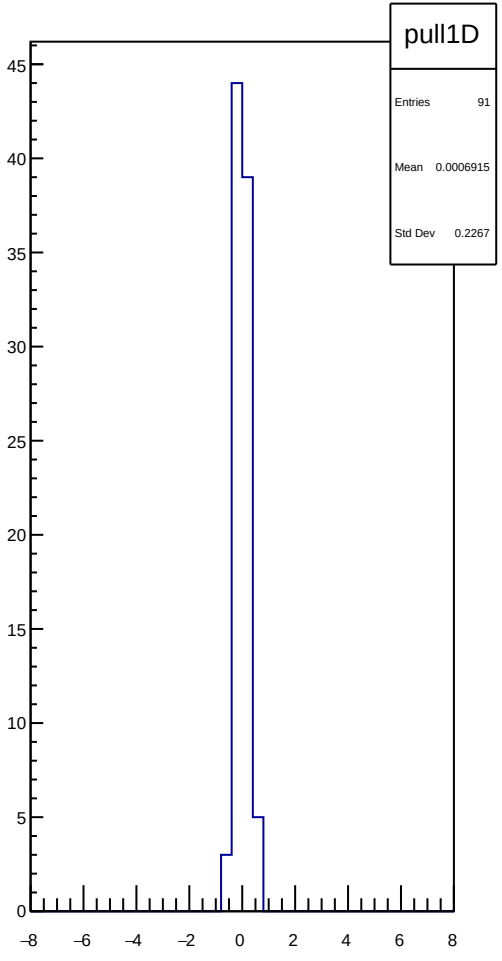

pull1D
Entries 91
Mean −0.01007
Std Dev 0.3358

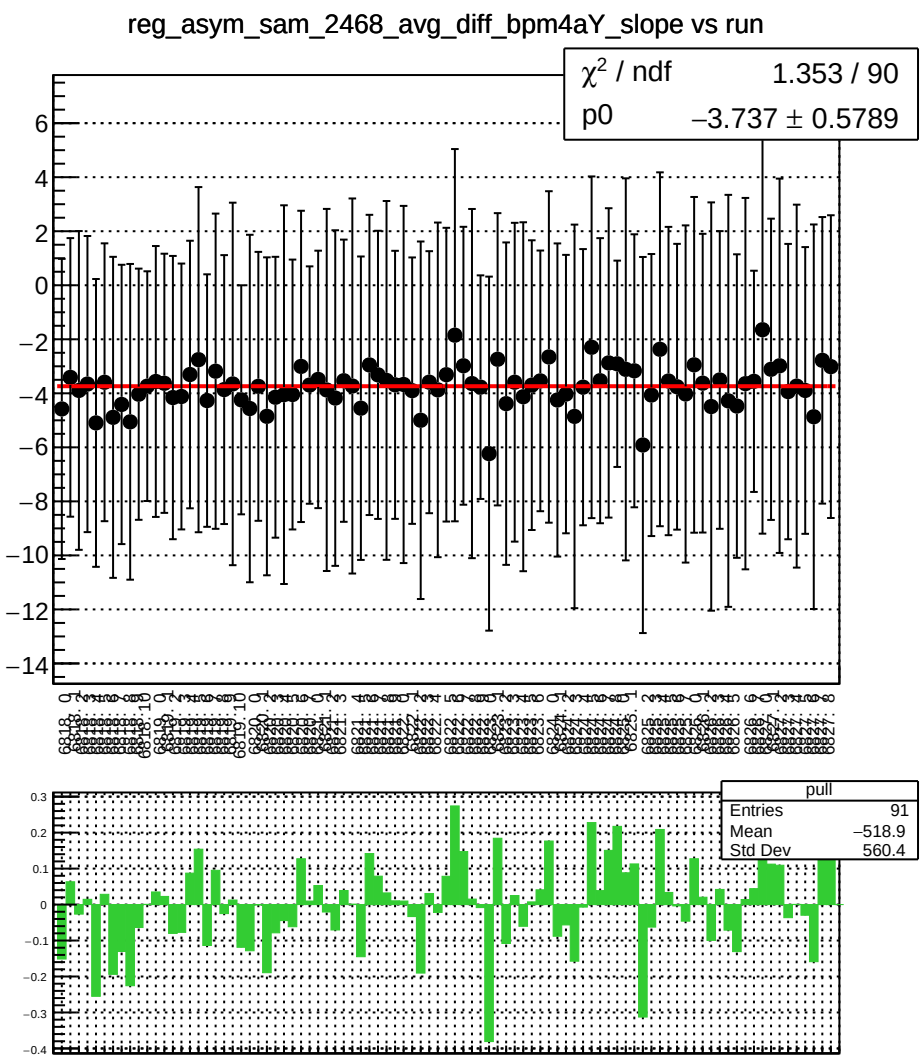

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.65 / 90
p0 27.9 ± 0.3113
pull
Entries 91
Mean −448
Std Dev 504
pull1D
Entries 91
Mean 0.002417
Std Dev 0.226

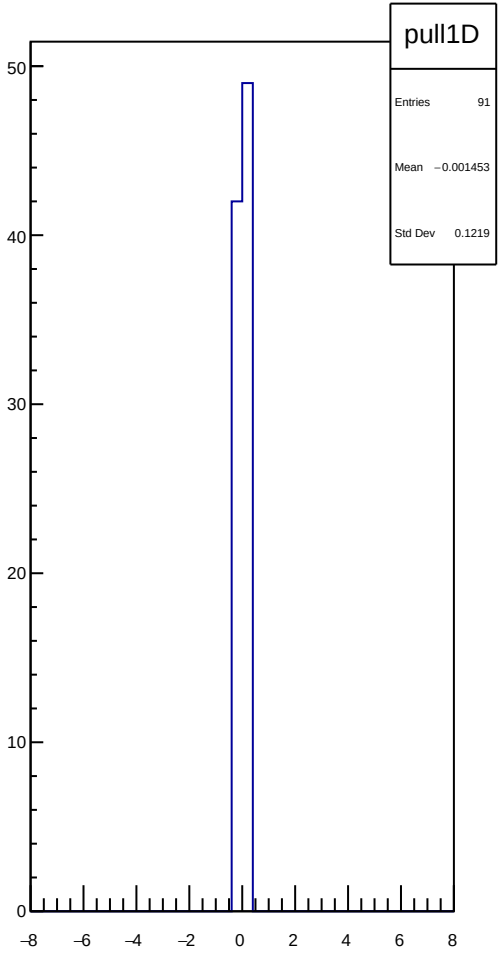

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 5.703 / 90
p0 0.2947 ± 0.01559
pull
Entries 91
Mean −806.3
Std Dev 849.3

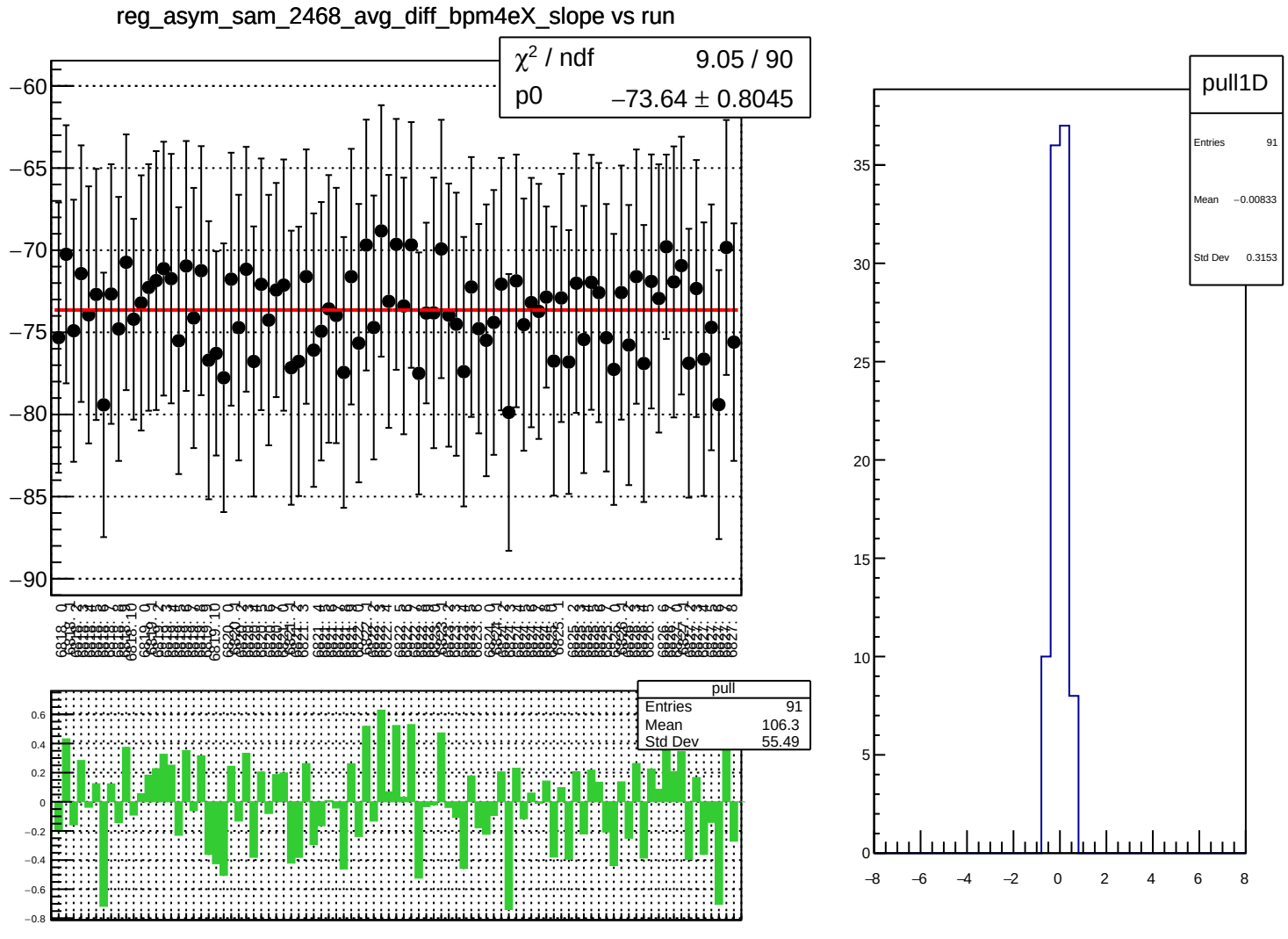

pull1D
Entries 91
Mean −0.004967
Std Dev 0.2503

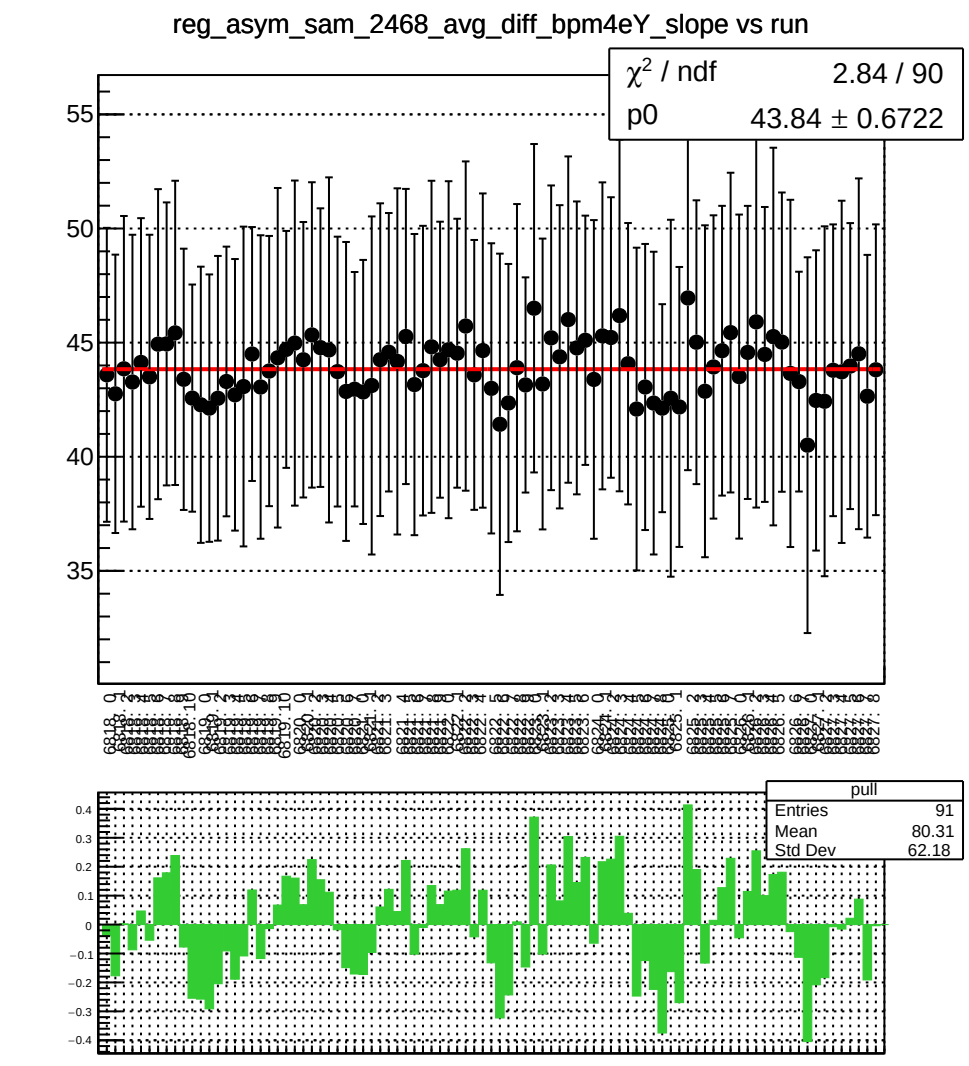

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 4.676 / 90
p0 −12.29 ± 0.8601
pull
Entries 91
Mean 707.1
Std Dev 671.2

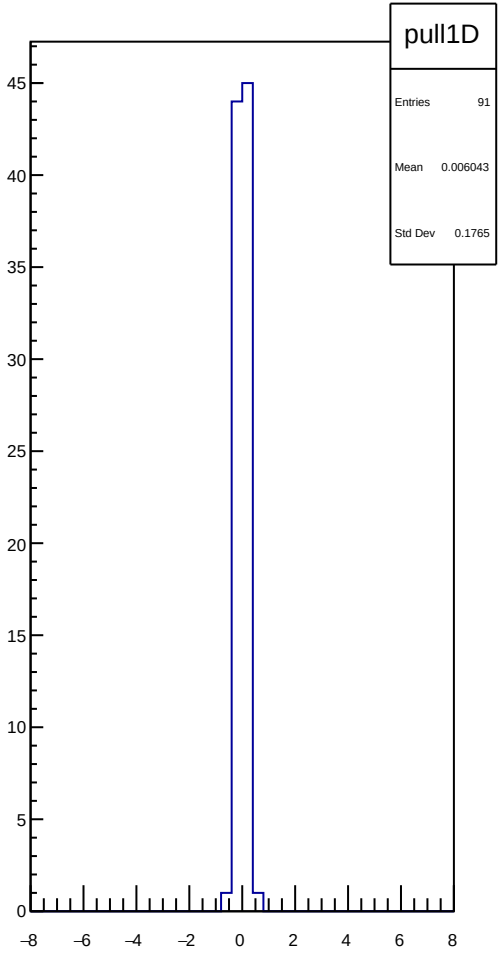

pull1D
Entries 91
Mean 0.0006915
Std Dev 0.2267

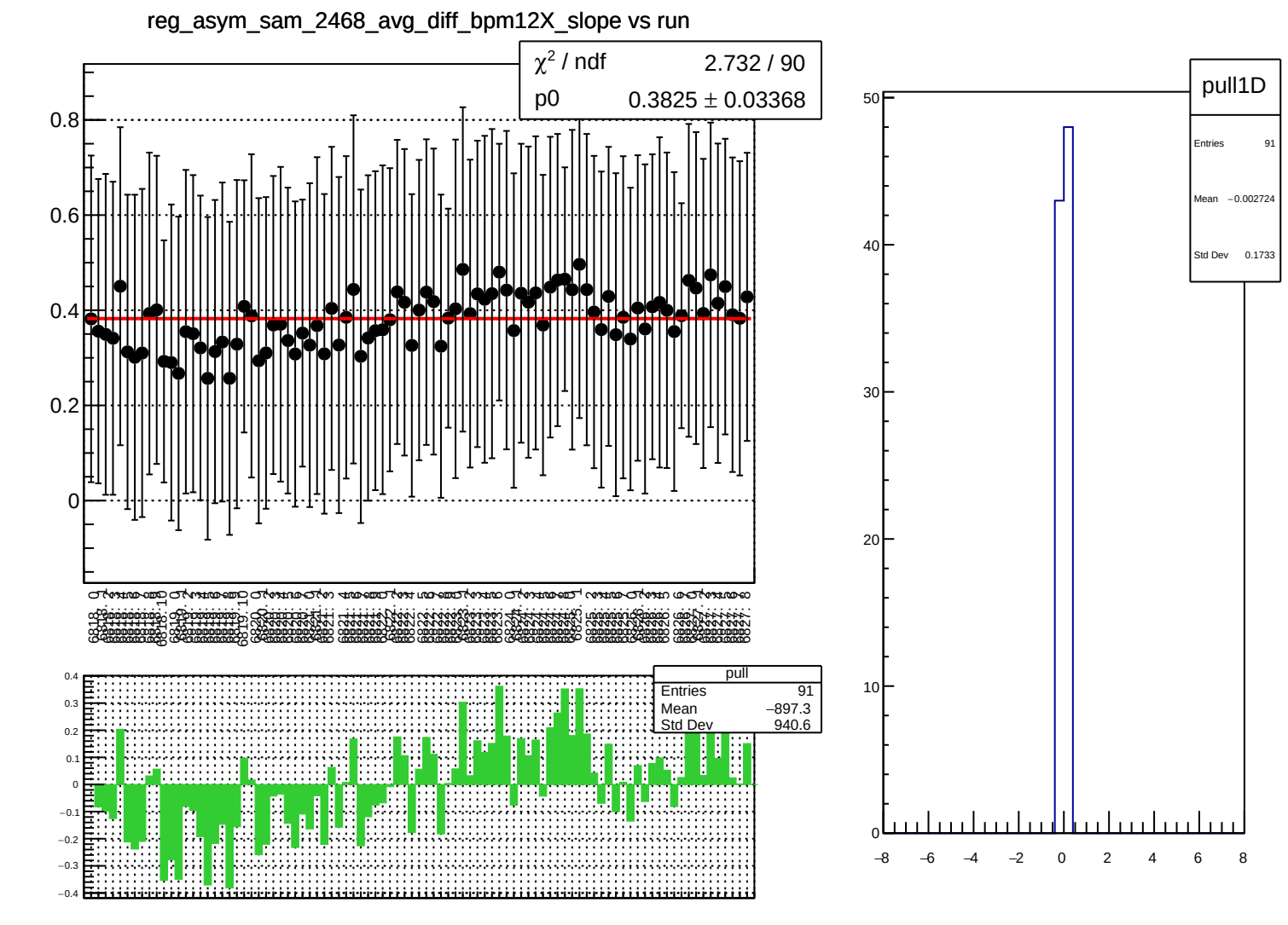

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.353 / 90
p0 −3.737 ± 0.5789
pull
Entries 91
Mean −518.9
Std Dev 560.4

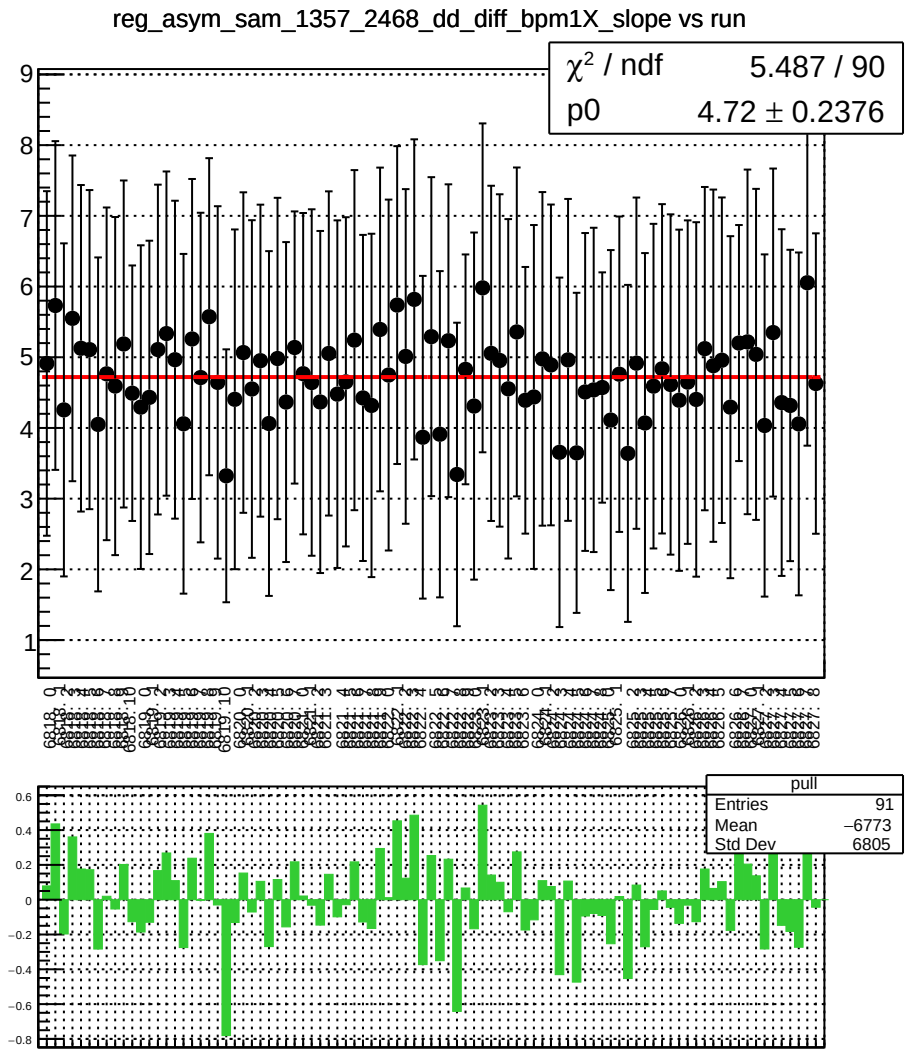

pull1D
Entries 91
Mean −0.001453
Std Dev 0.1219

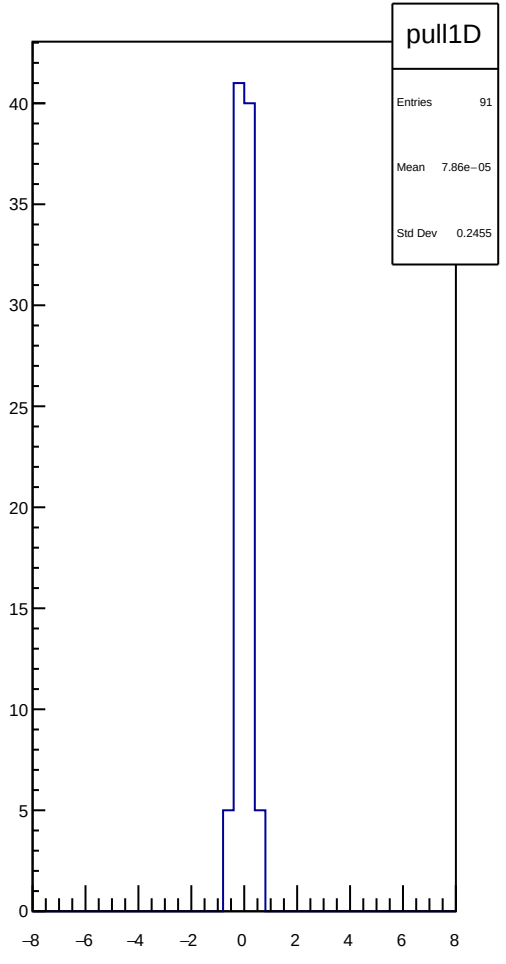

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.05 / 90
p0 −73.64 ± 0.8045
pull
Entries 91
Mean 106.3
Std Dev 55.49
pull1D
Entries 91
Mean −0.00833
Std Dev 0.3153

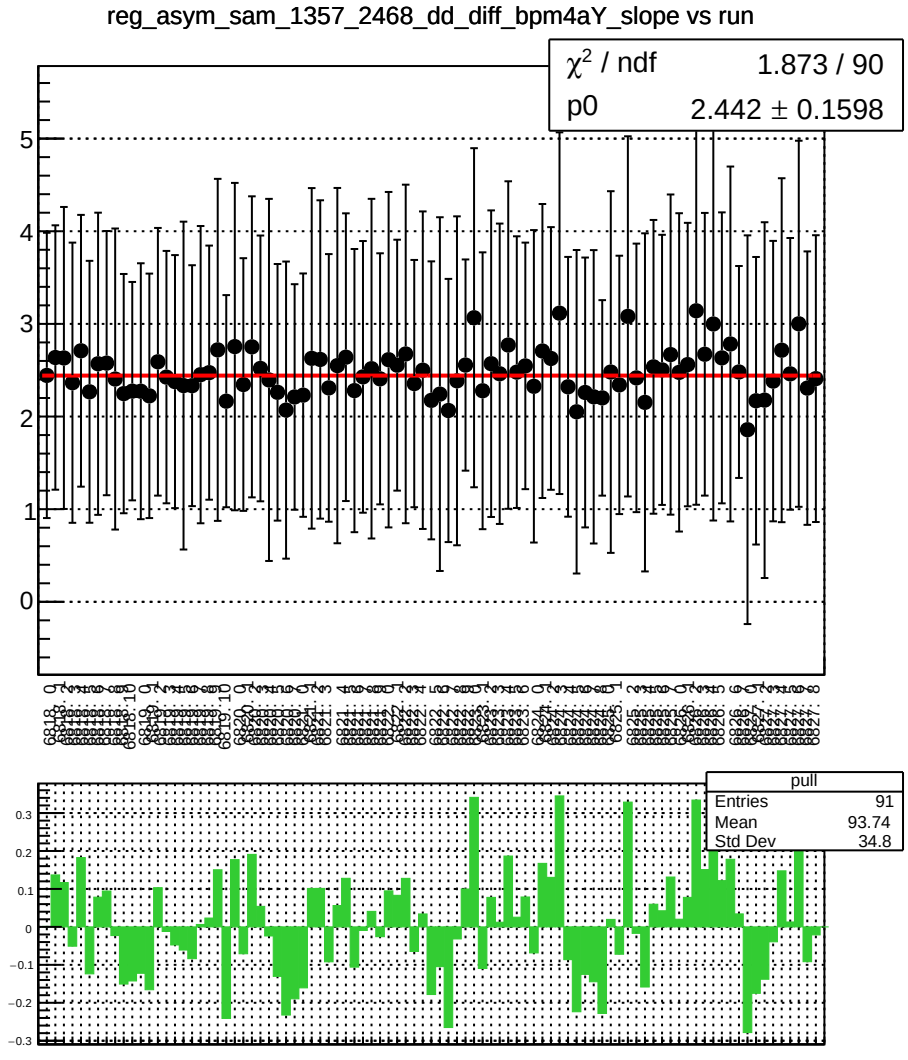

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.84 / 90
p0 43.84 ± 0.6722
pull
Entries 91
Mean 80.31
Std Dev 62.18

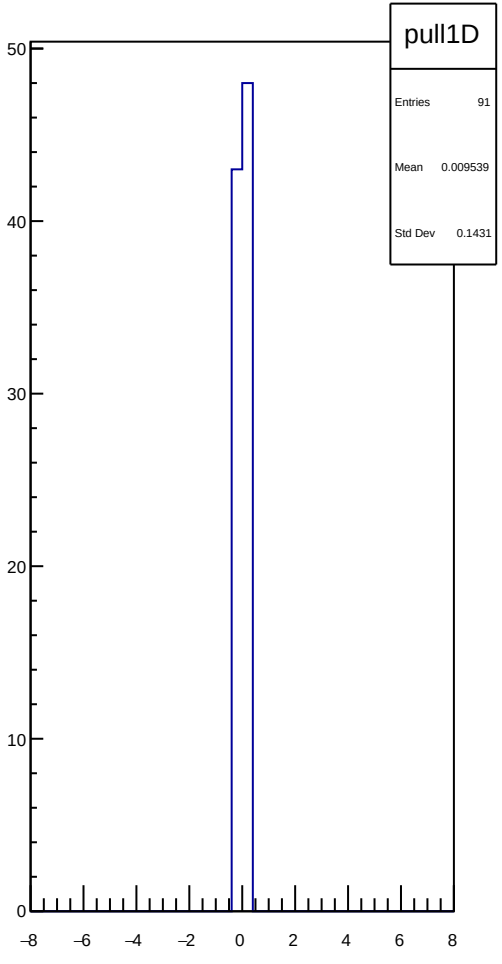

pull1D
Entries 91
Mean 0.006043
Std Dev 0.1765

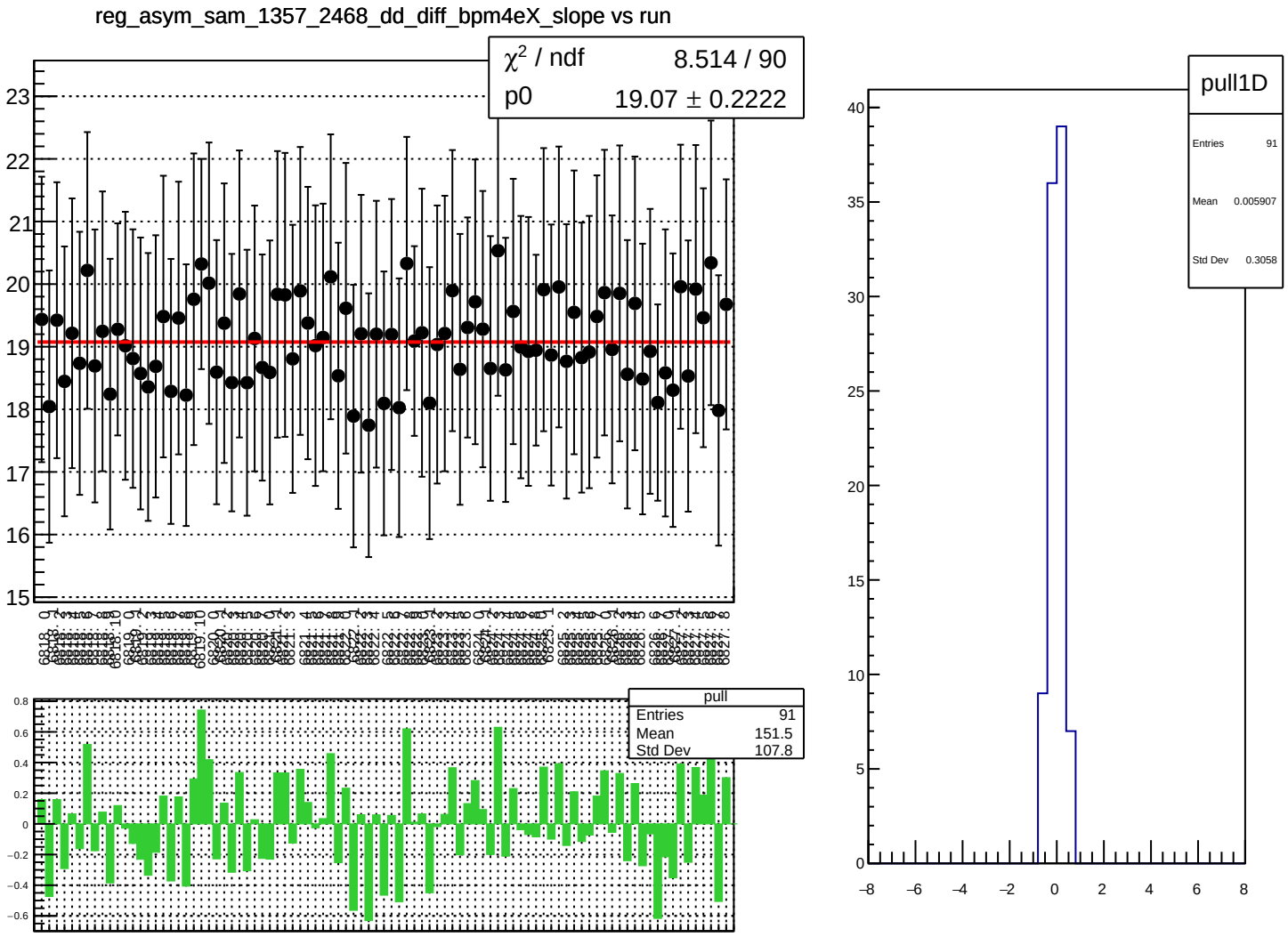

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.732 / 90
p0 0.3825 ± 0.03368
pull
Entries 91
Mean −897.3
Std Dev 940.6
pull1D
Entries 91
Mean −0.002724
Std Dev 0.1733

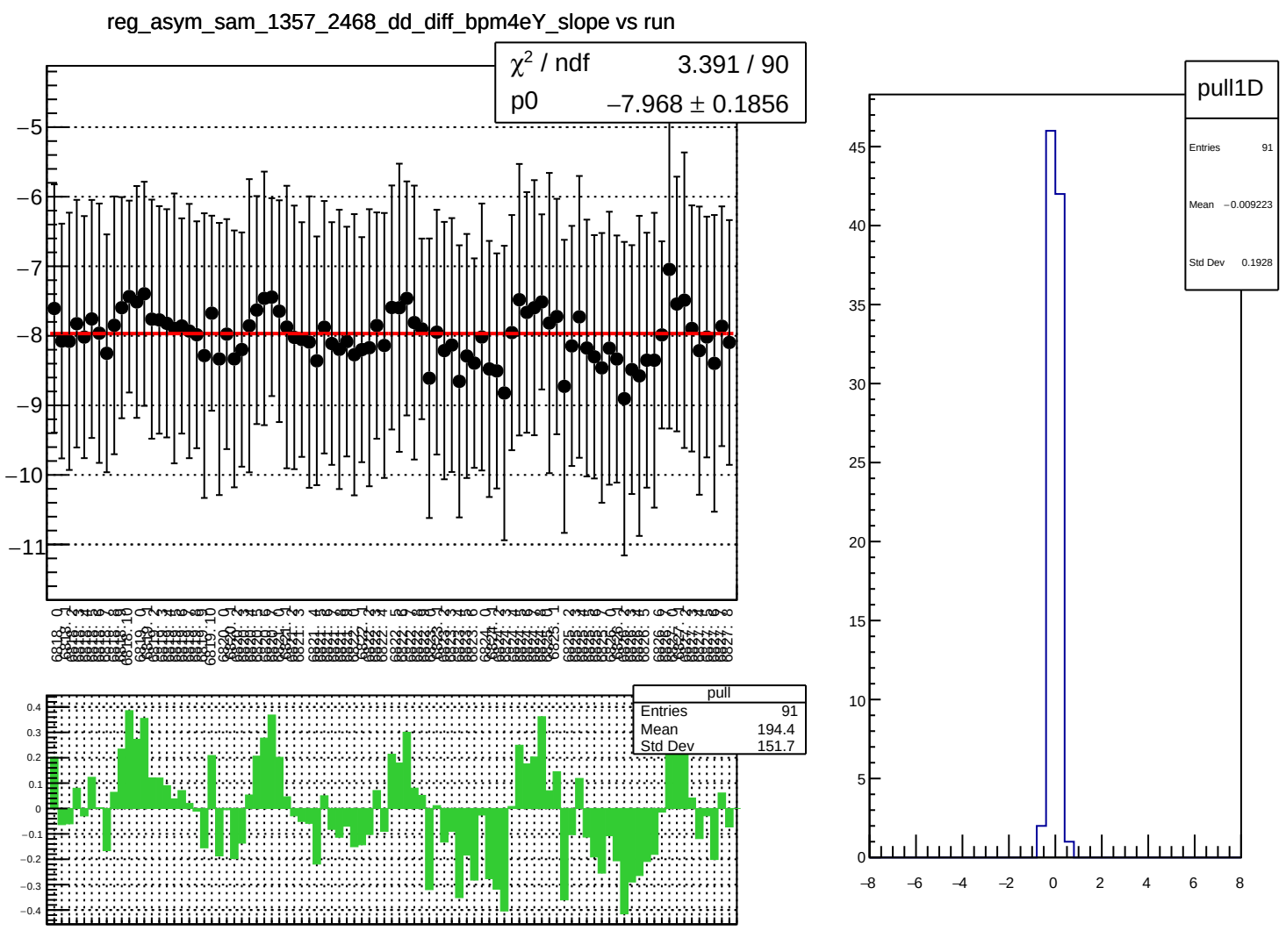

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 5.487 / 90
p0 4.72 ± 0.2376
pull
Entries 91
Mean −6773
Std Dev 6805

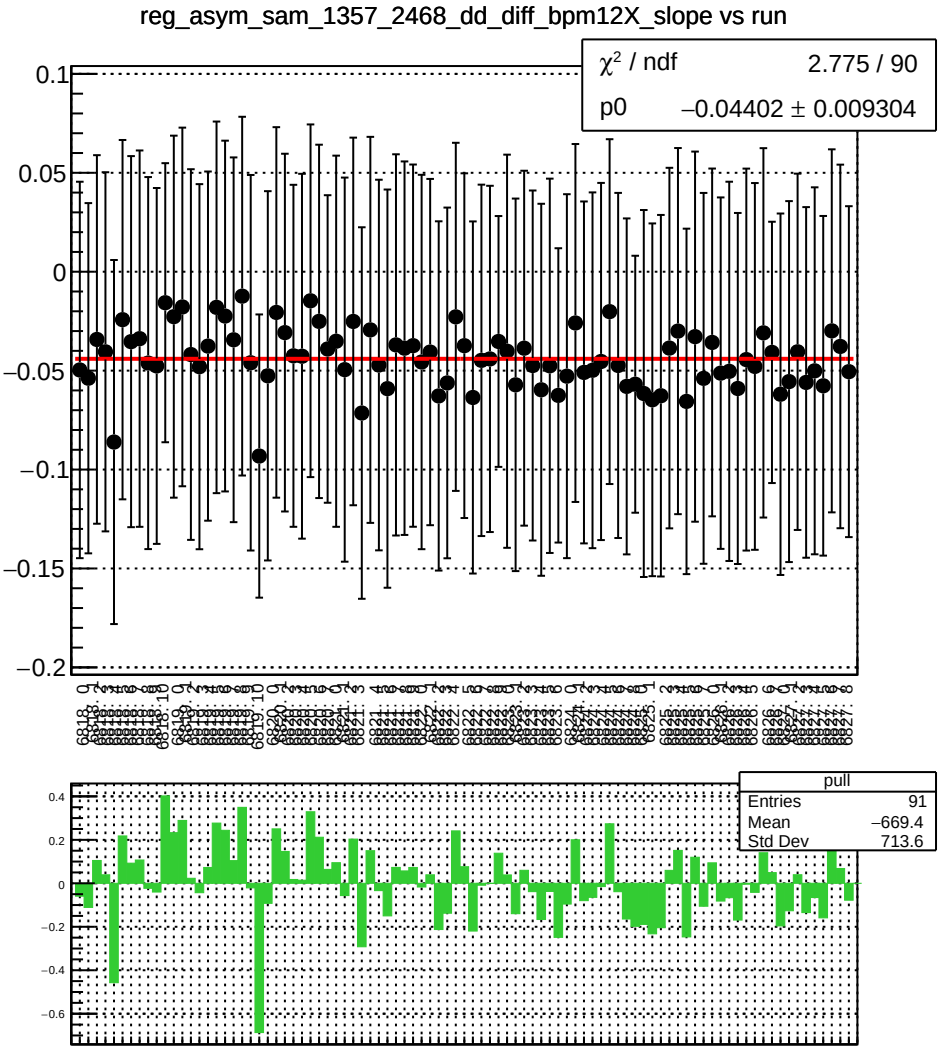

pull1D
Entries 91
Mean 7.86e−05
Std Dev 0.2455

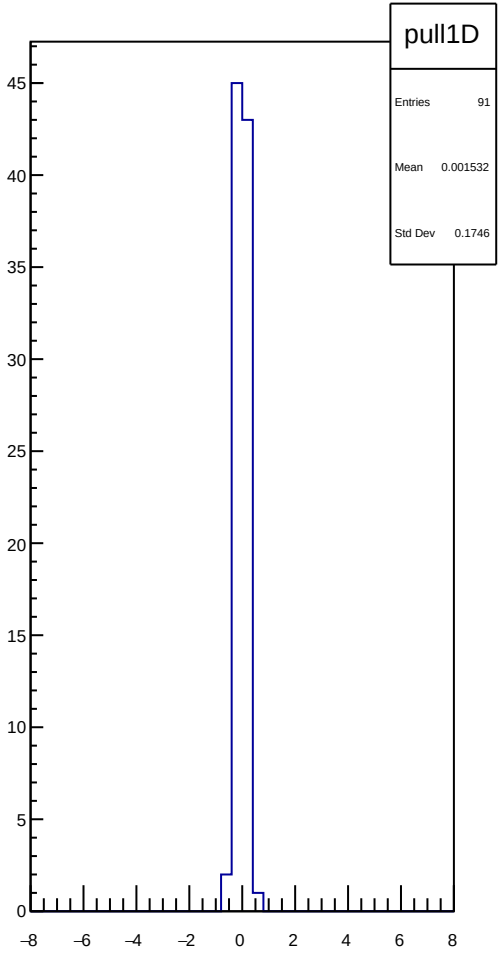

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.873 / 90
p0 2.442 ± 0.1598
pull
Entries 91
Mean 93.74
Std Dev 34.8

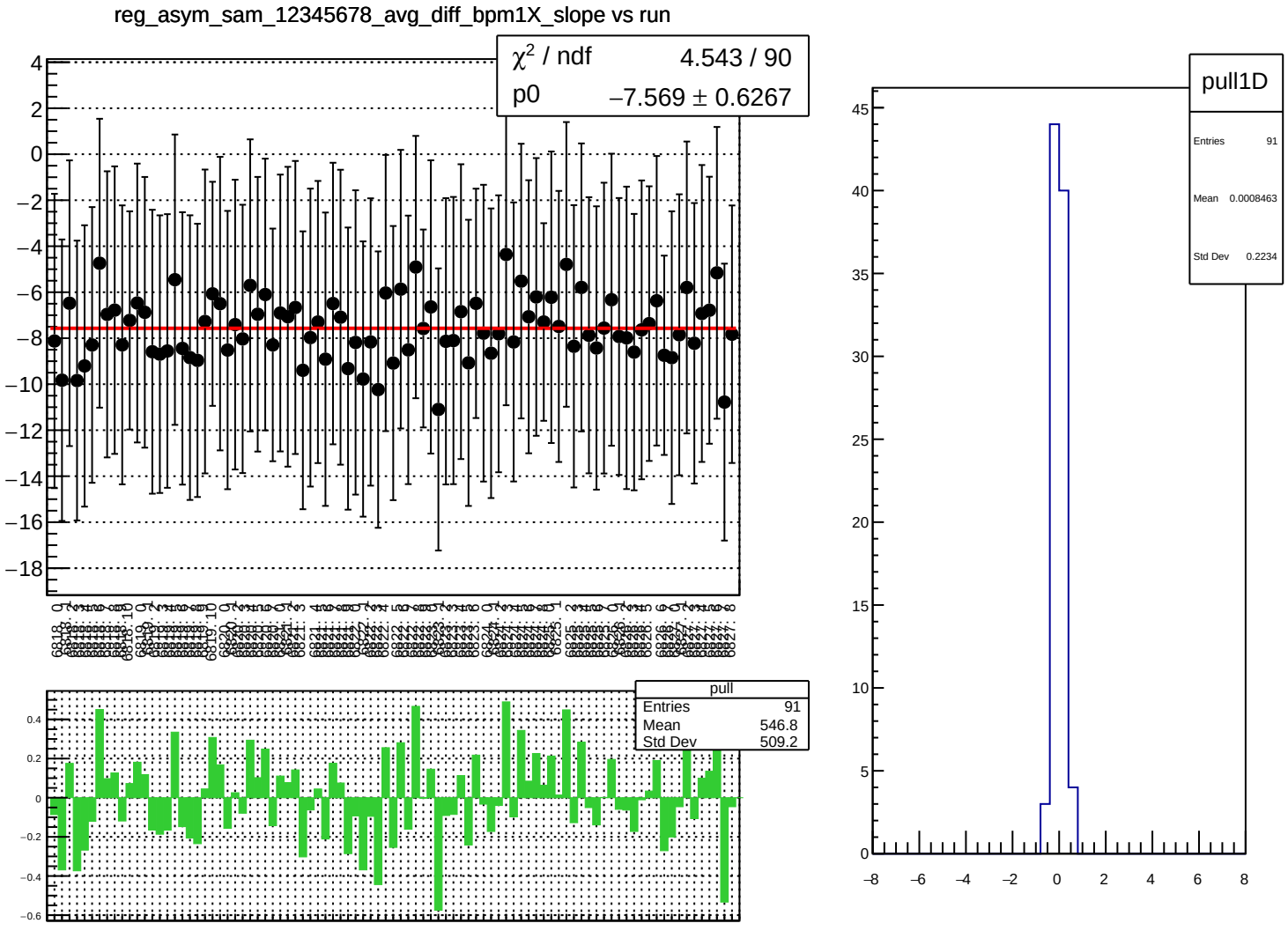

pull1D
Entries 91
Mean 0.009539
Std Dev 0.1431

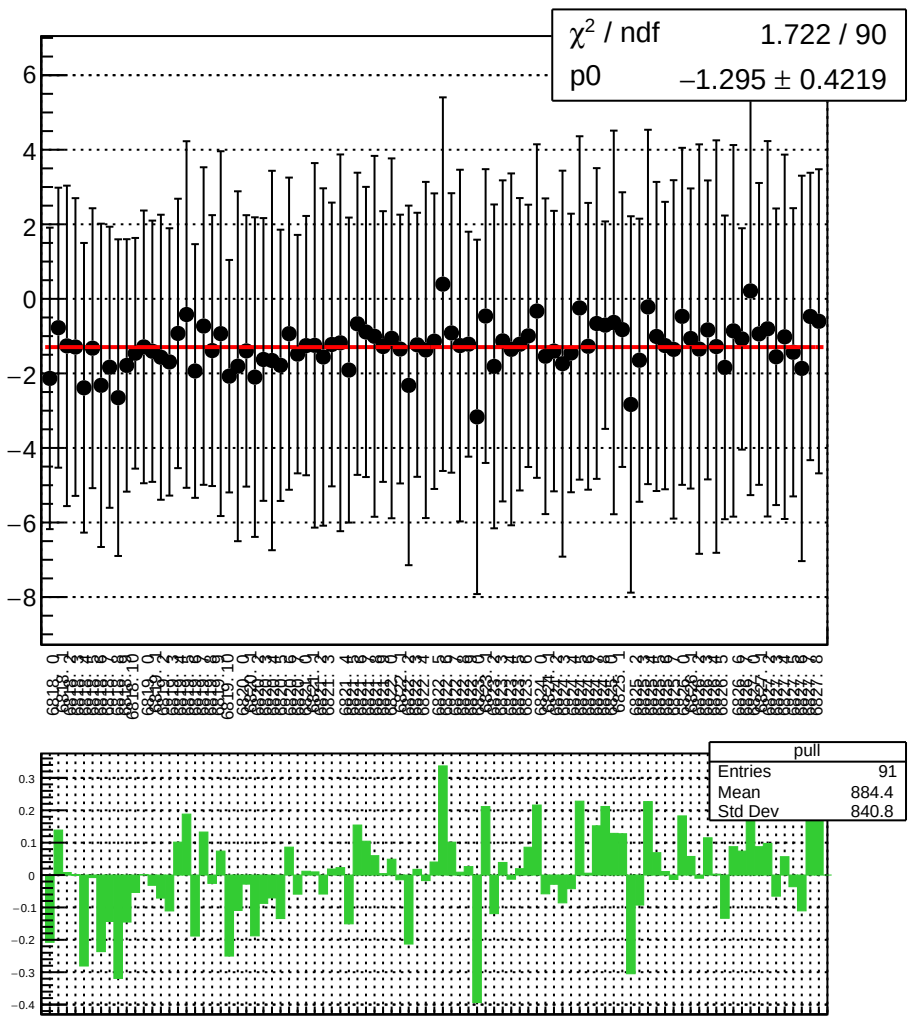

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.514 / 90
p0 19.07 ± 0.2222
pull
Entries 91
Mean 151.5
Std Dev 107.8
pull1D
Entries 91
Mean 0.005907
Std Dev 0.3058

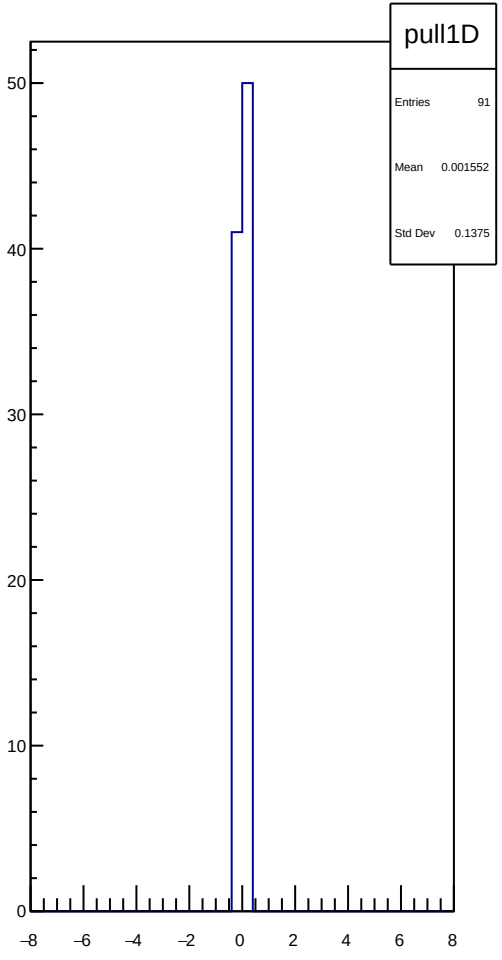

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.391 / 90
p0 −7.968 ± 0.1856
pull
Entries 91
Mean 194.4
Std Dev 151.7
pull1D
Entries 91
Mean −0.009223
Std Dev 0.1928

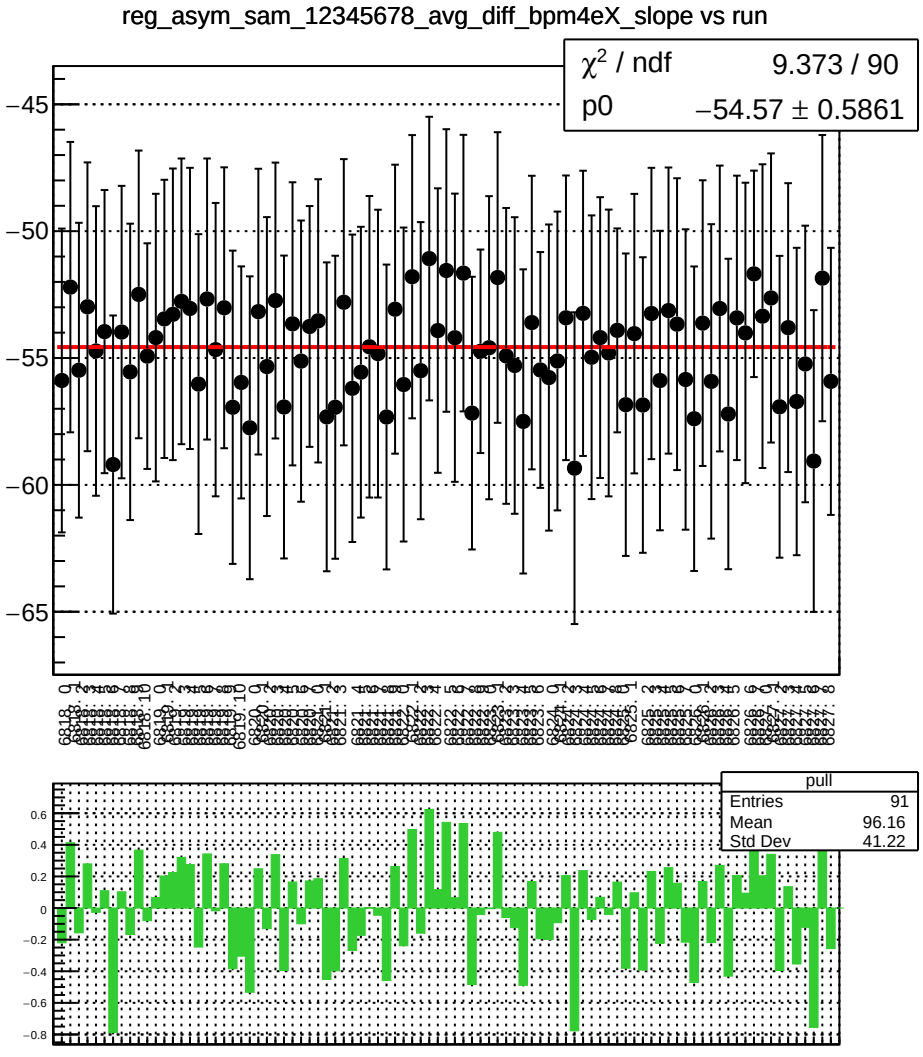

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.775 / 90
p0 −0.04402 ± 0.009304
pull
Entries 91
Mean −669.4
Std Dev 713.6

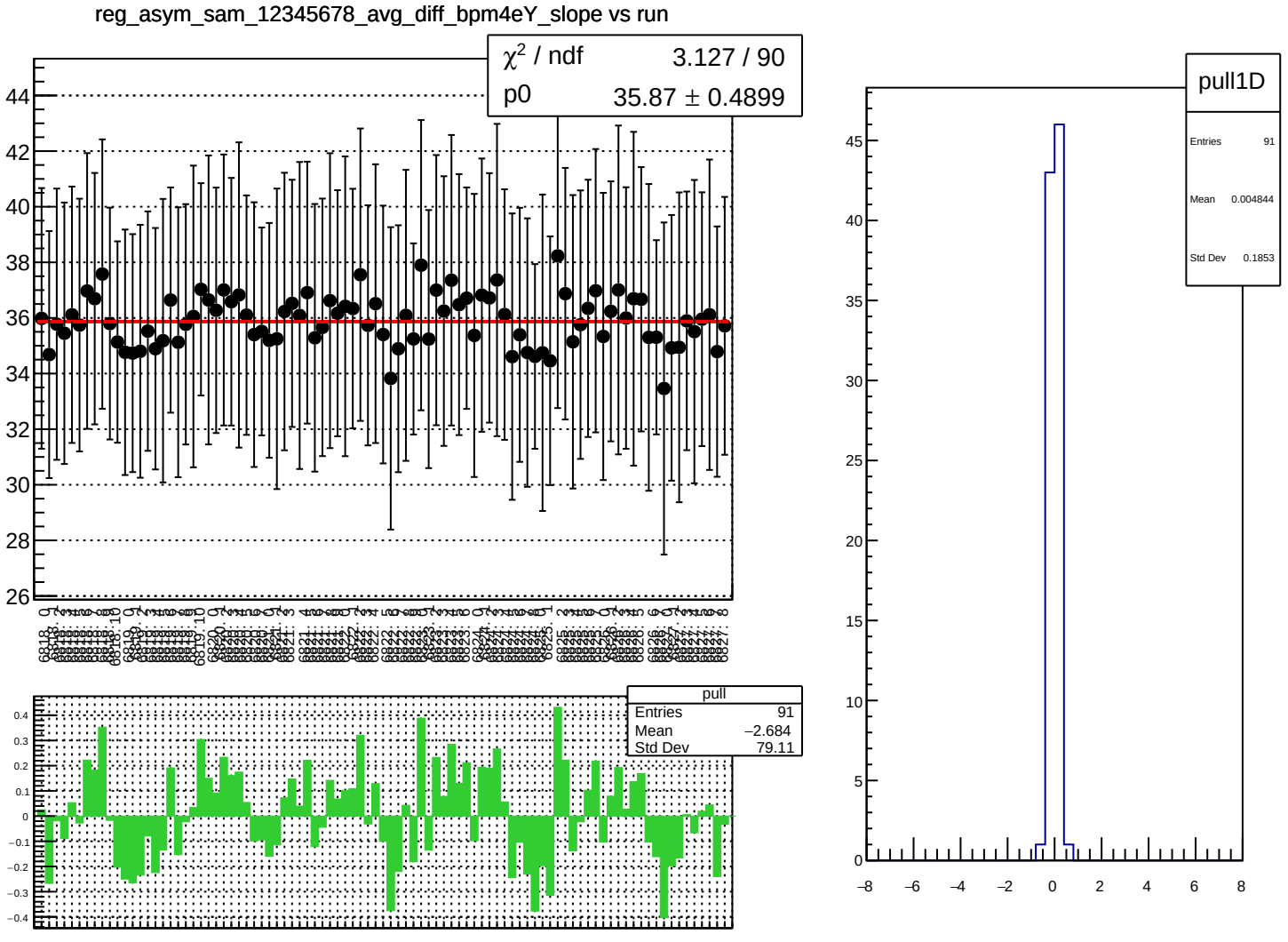

pull1D
Entries 91
Mean 0.001532
Std Dev 0.1746

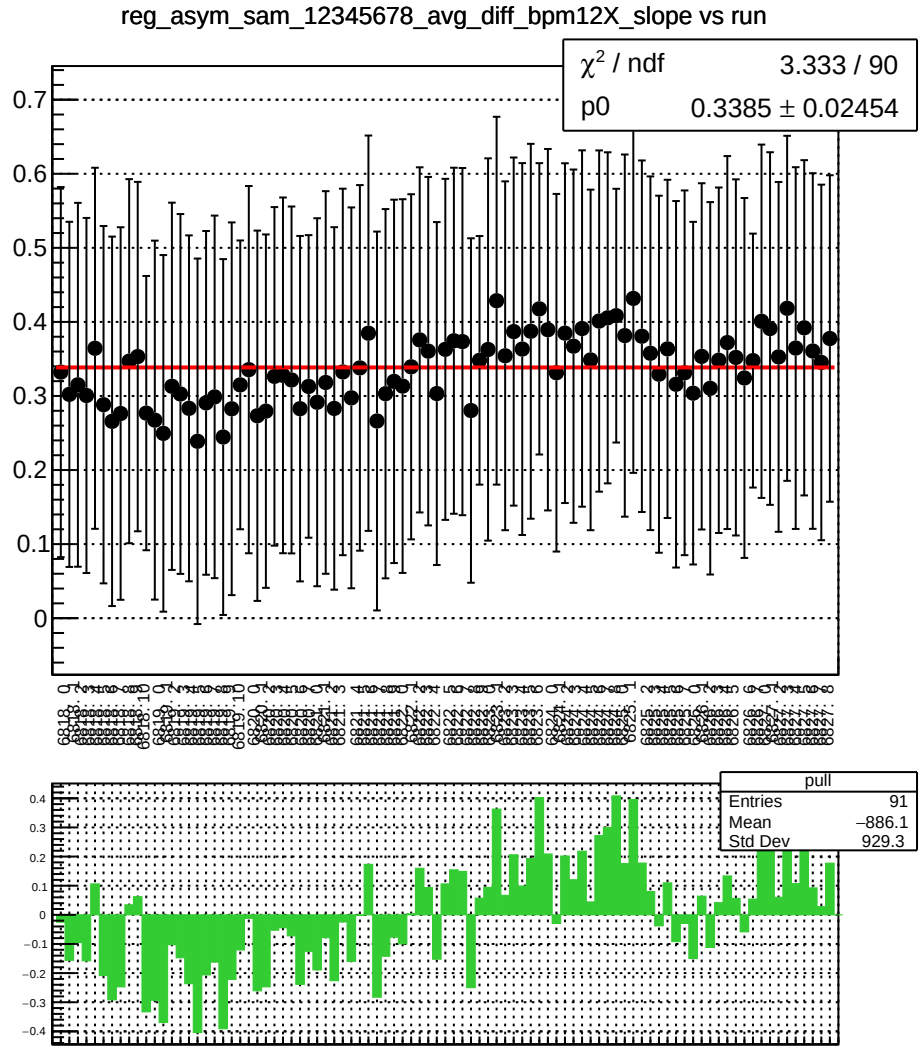

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 4.543 / 90
p0 −7.569 ± 0.6267
pull
Entries 91
Mean 546.8
Std Dev 509.2
pull1D
Entries 91
Mean 0.0008463
Std Dev 0.2234

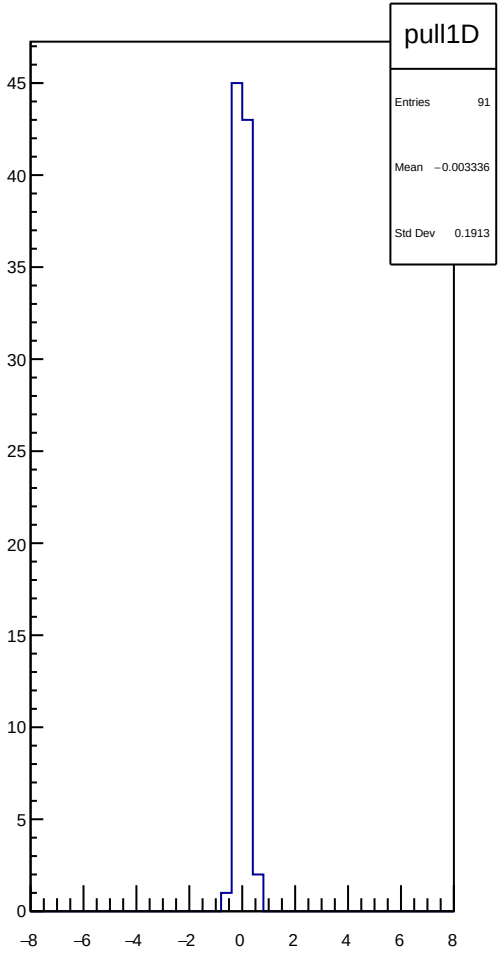

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.722 / 90
p0 −1.295 ± 0.4219
pull
Entries 91
Mean 884.4
Std Dev 840.8

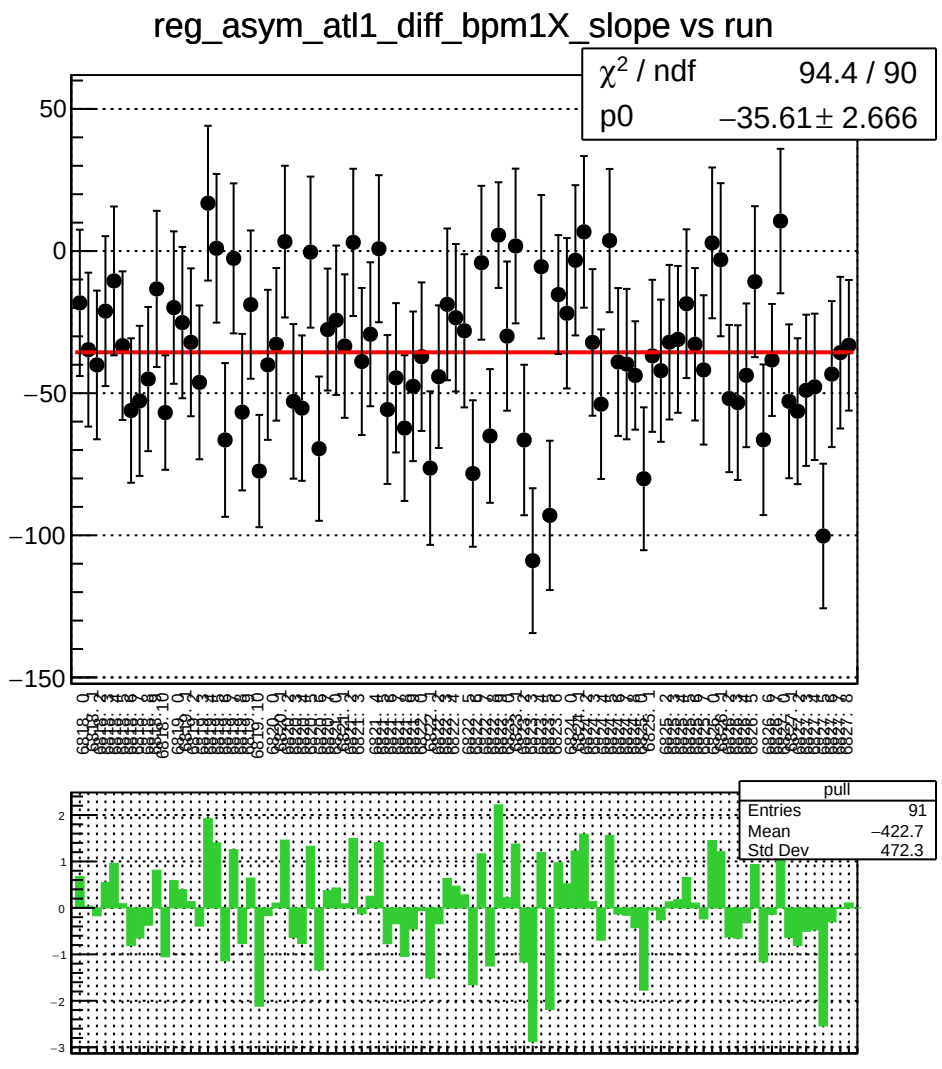

pull1D
Entries 91
Mean 0.001552
Std Dev 0.1375

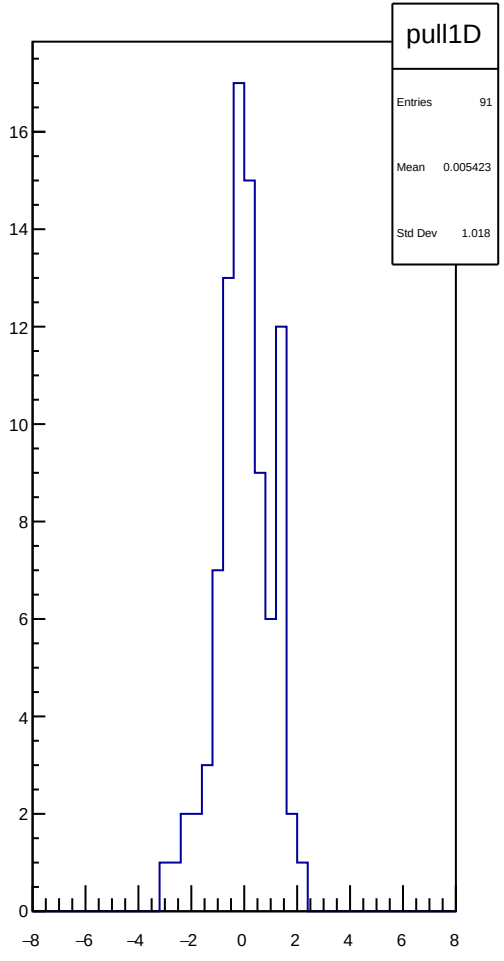

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.373 / 90
p0 −54.57 ± 0.5861
−45
−50
−55
−60
−65
pull
Entries 91
Mean 96.16
Std Dev 41.22
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 91
Mean −0.009022
Std Dev 0.3208
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

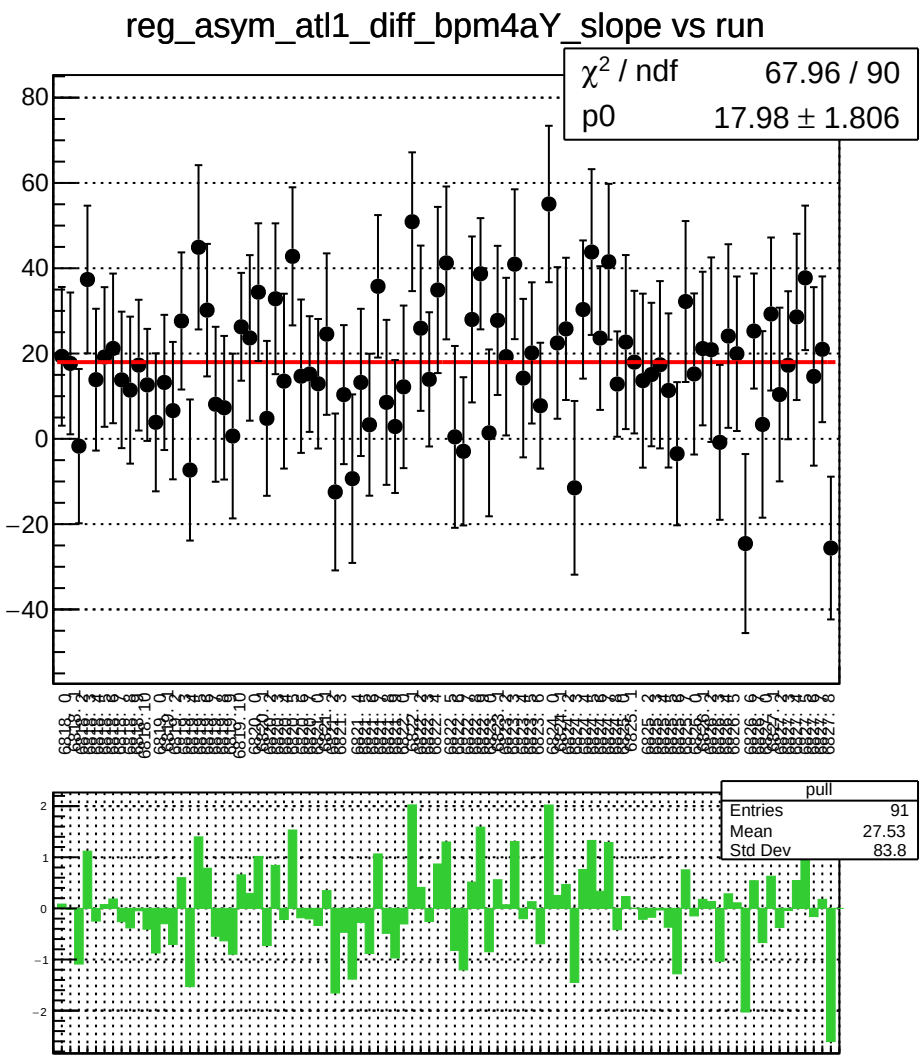

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.127 / 90
p0 35.87 ± 0.4899
pull
Entries 91
Mean −2.684
Std Dev 79.11
pull1D
Entries 91
Mean 0.004844
Std Dev 0.1853

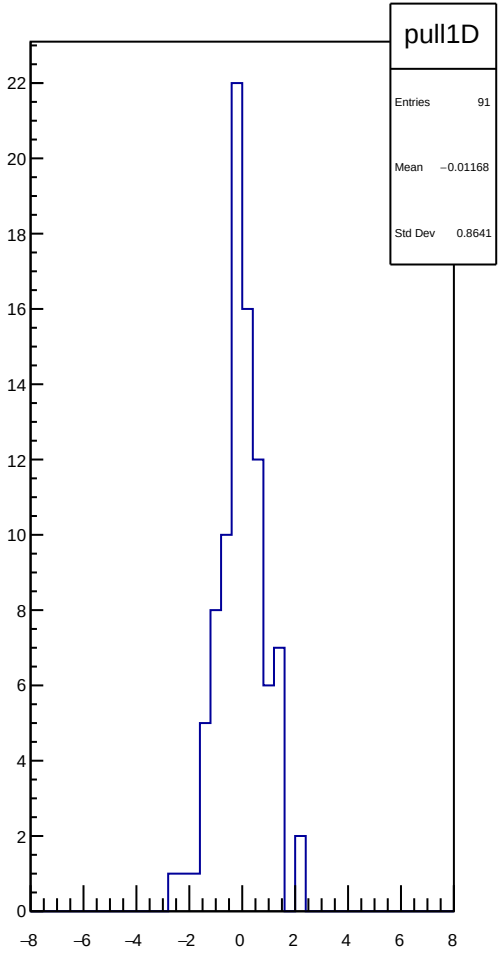

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.333 / 90
p0 0.3385 ± 0.02454
pull
Entries 91
Mean −886.1
Std Dev 929.3

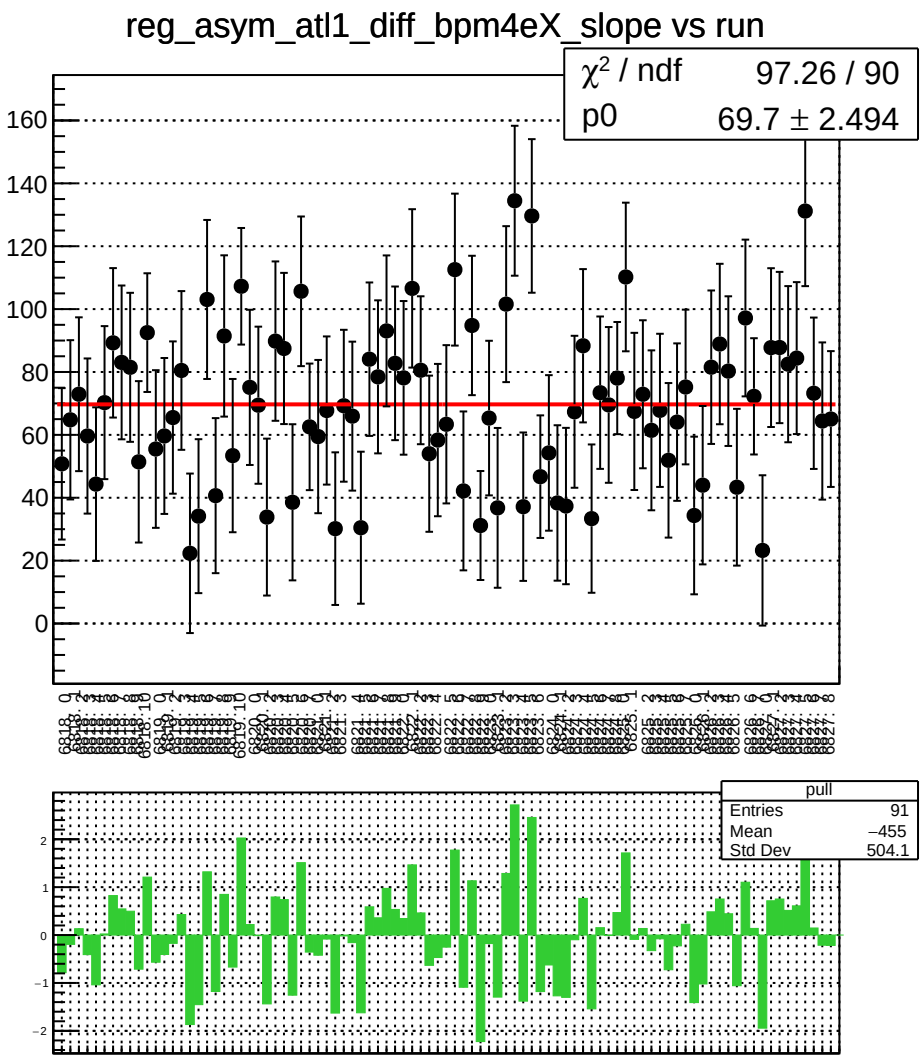

pull1D
Entries 91
Mean −0.003336
Std Dev 0.1913

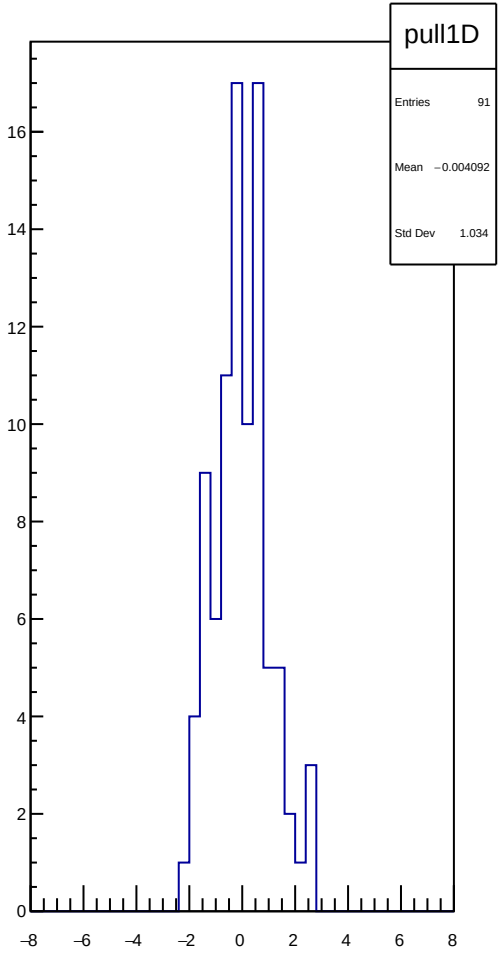

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 94.4 / 90
p0 −35.61 ± 2.666
50
0
−50
−100
−150
pull
Entries 91
Mean −422.7
Std Dev 472.3
2
1
0
−1
−2
−3

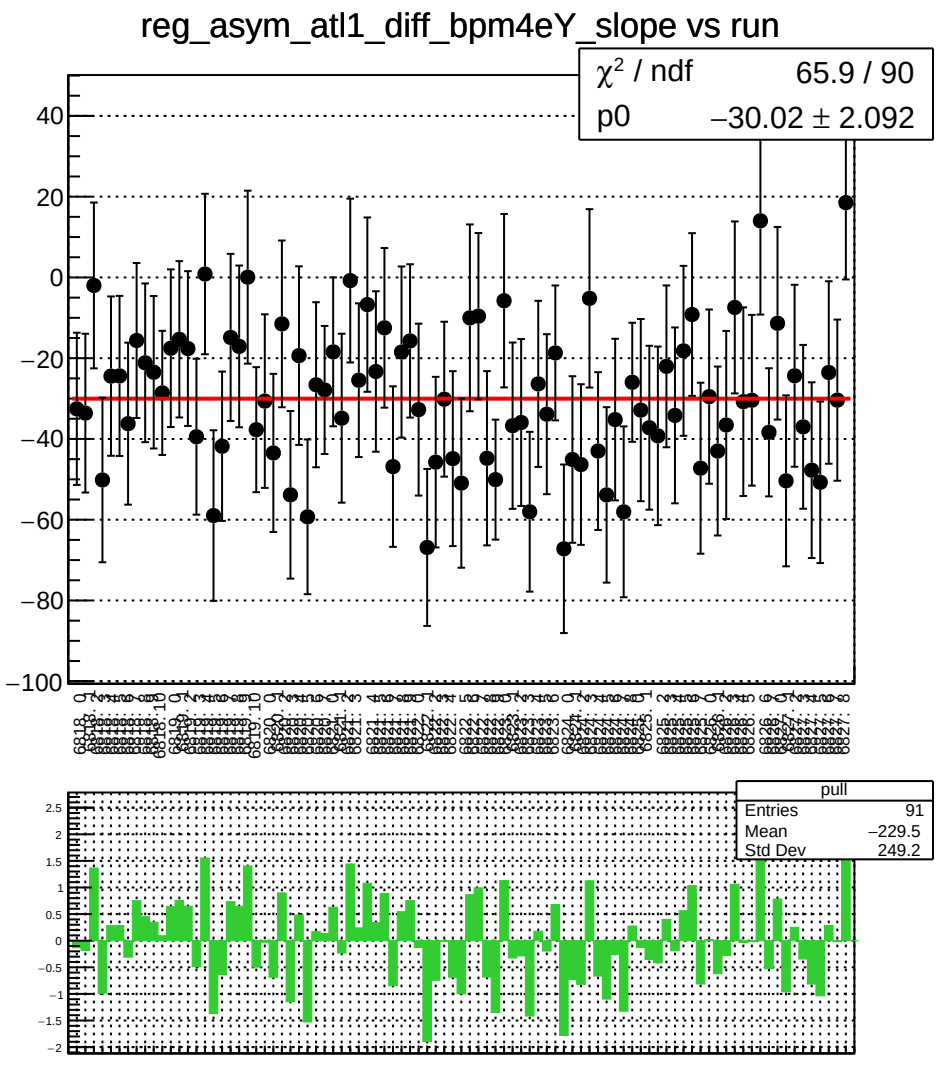

pull1D
Entries 91
Mean 0.005423
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

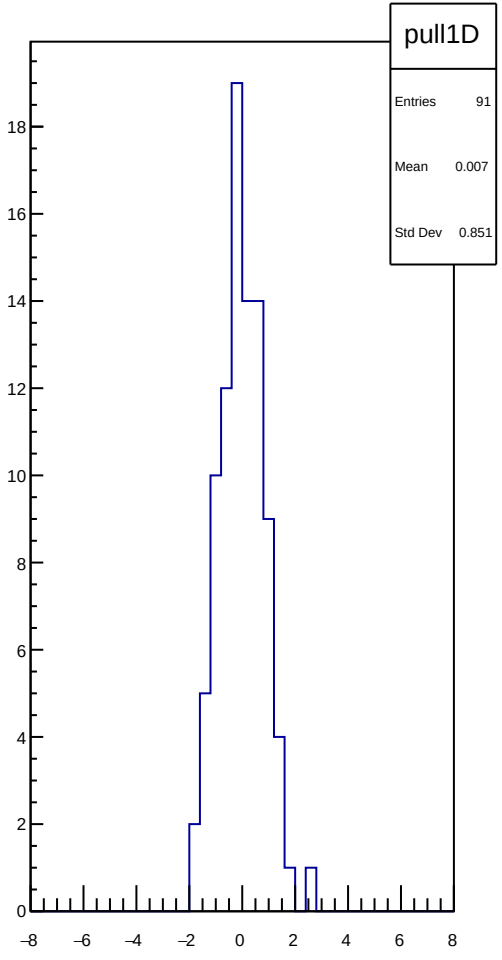

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 67.96 / 90
p0 17.98 ± 1.806
pull
Entries 91
Mean 27.53
Std Dev 83.8

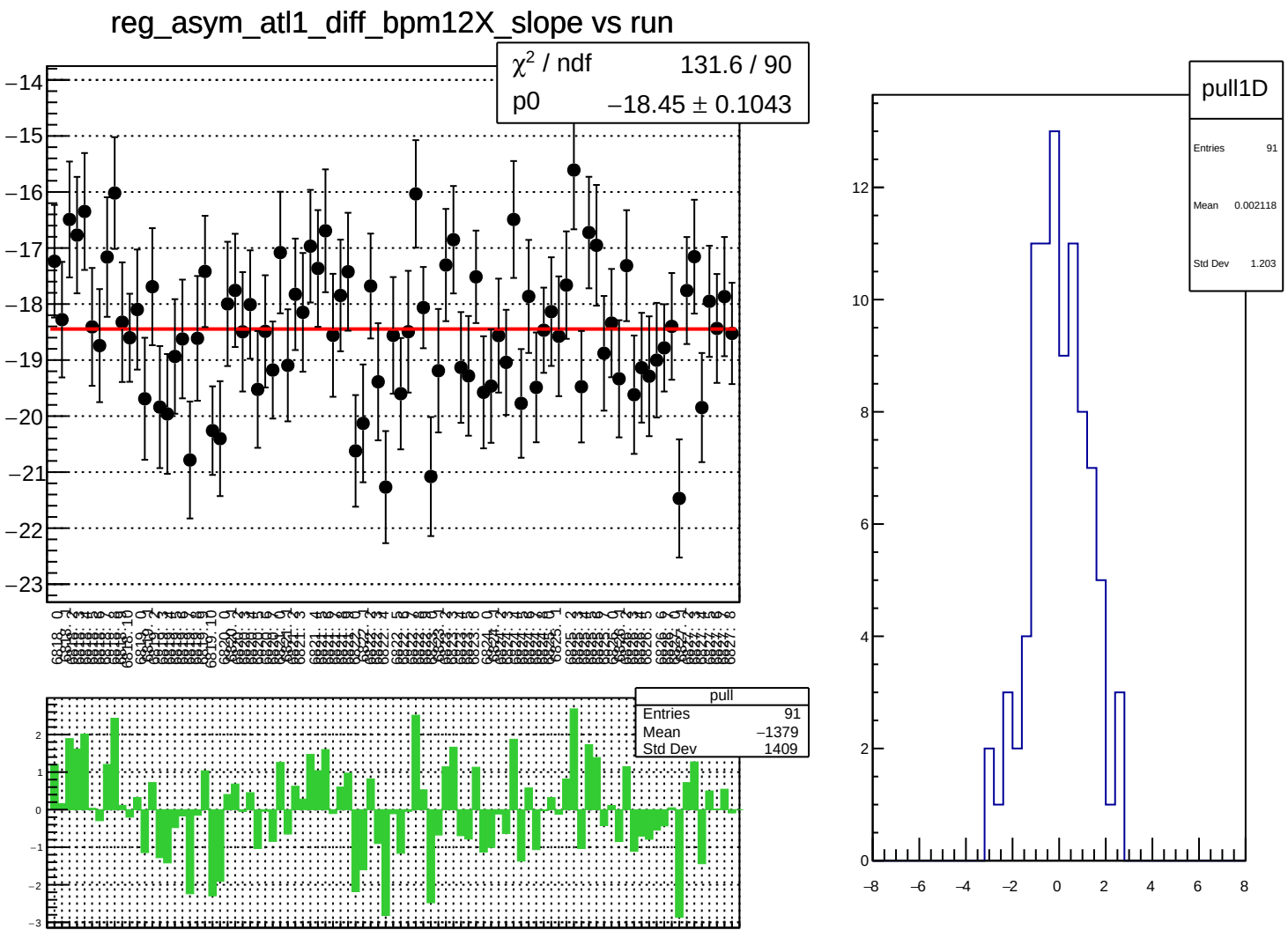

pull1D
Entries 91
Mean −0.01168
Std Dev 0.8641

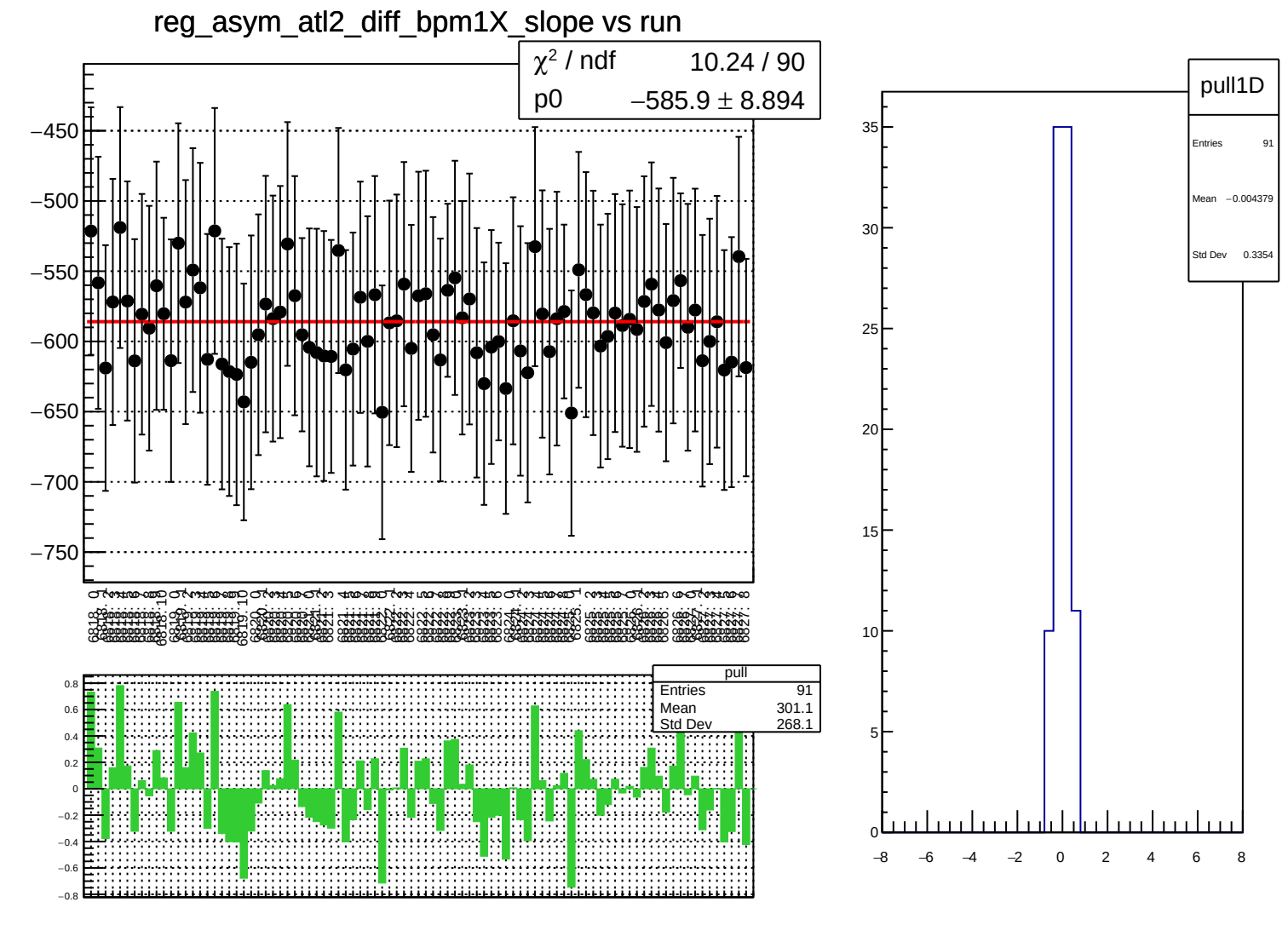

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 97.26 / 90
p0 69.7 ± 2.494
pull
Entries 91
Mean −455
Std Dev 504.1

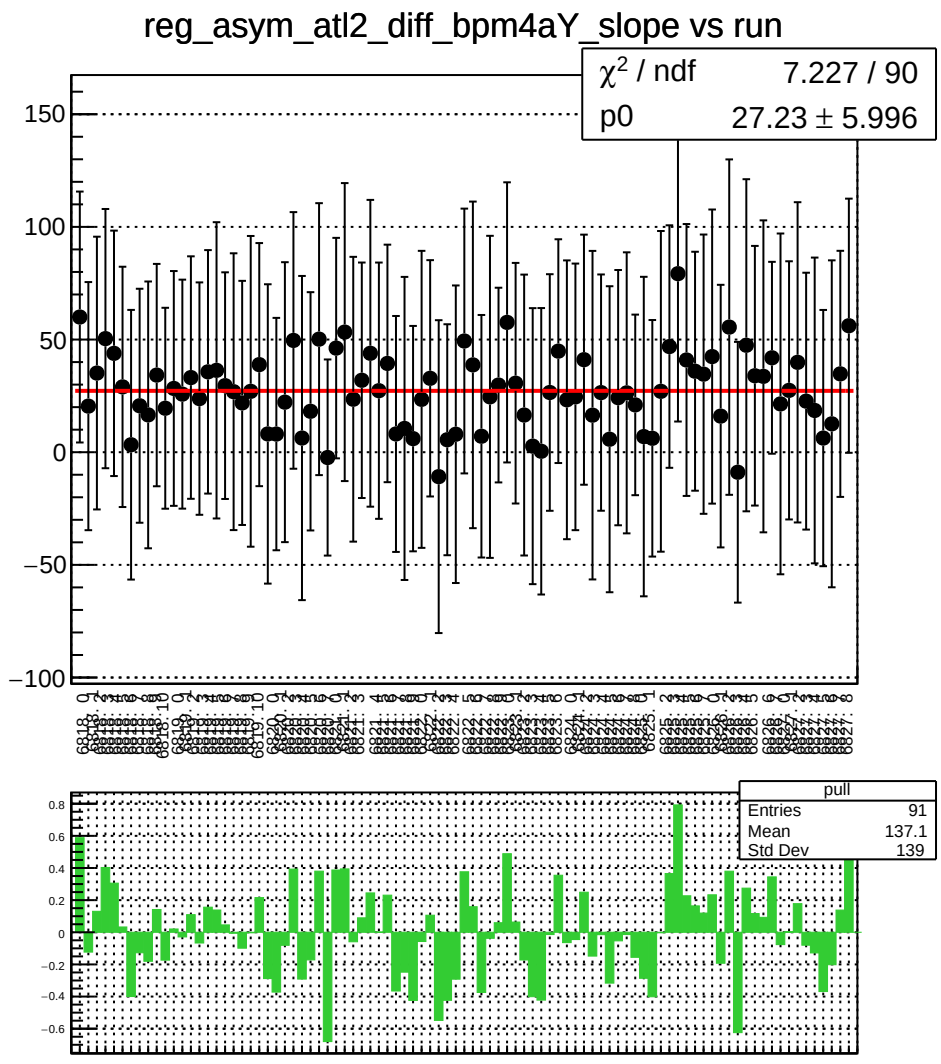

pull1D
Entries 91
Mean −0.004092
Std Dev 1.034

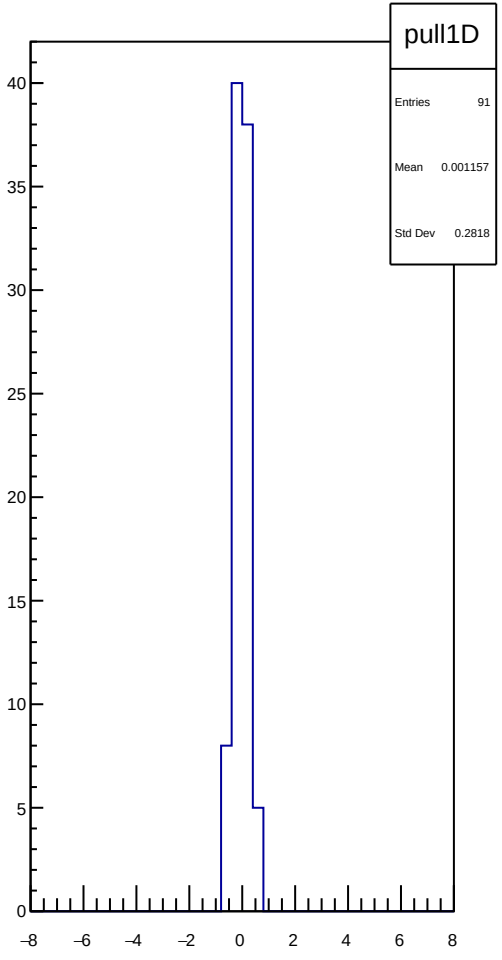

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 65.9 / 90
p0 −30.02 ± 2.092
pull
Entries 91
Mean −229.5
Std Dev 249.2

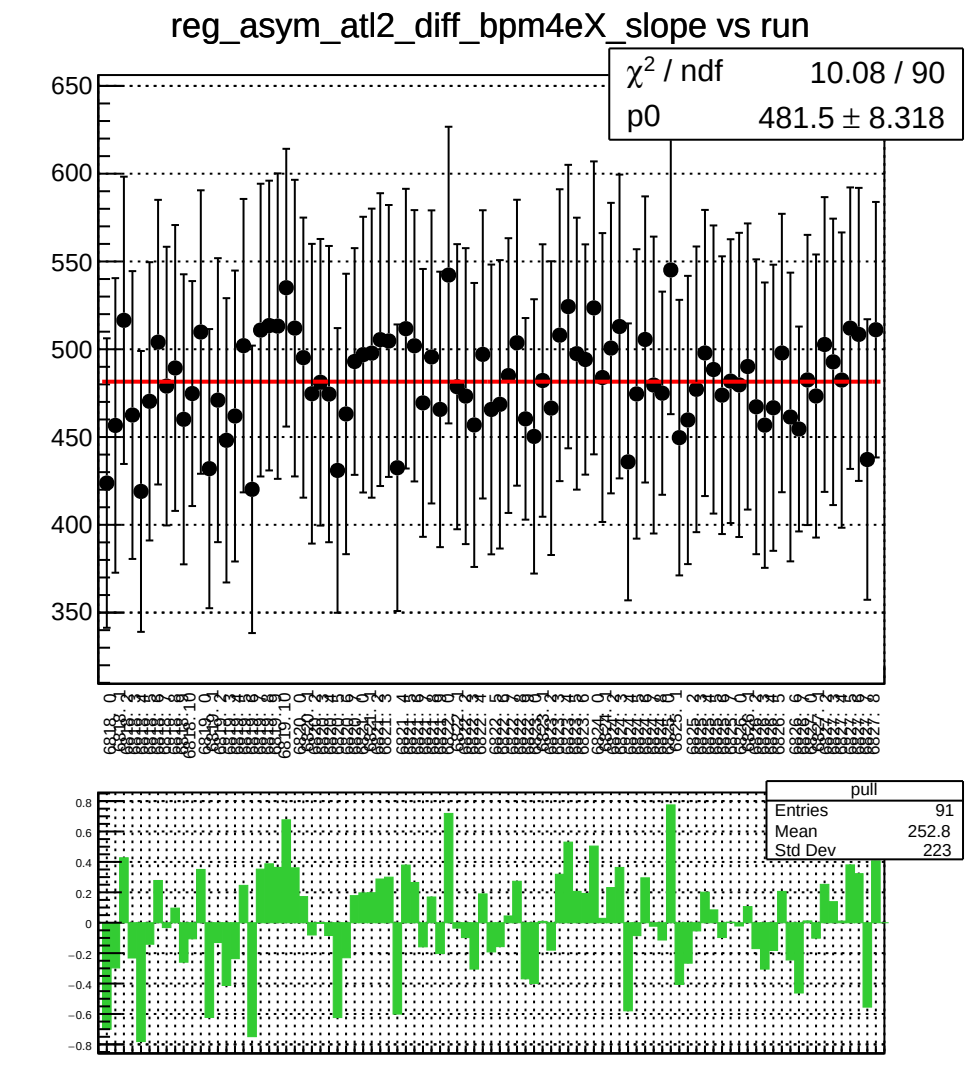

pull1D
Entries 91
Mean 0.007
Std Dev 0.851

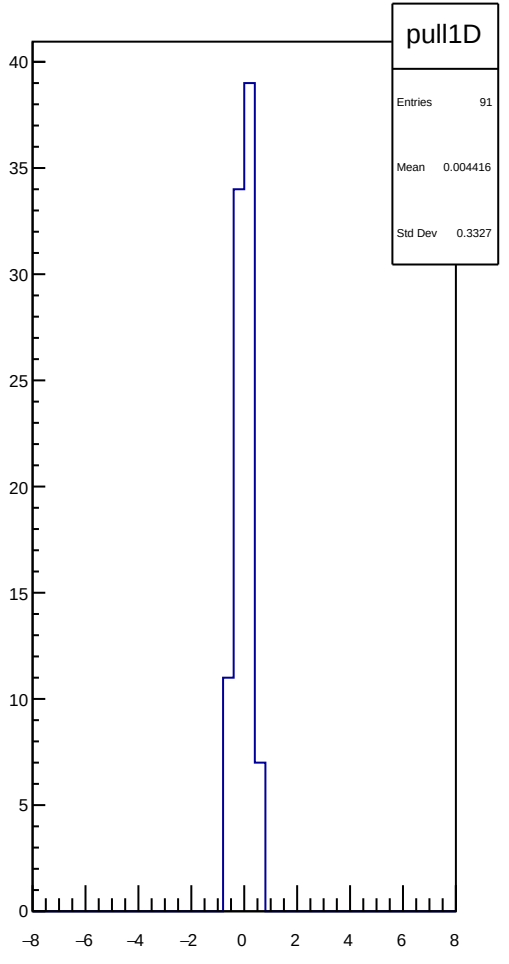

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 131.6 / 90
p0 −18.45 ± 0.1043
pull
Entries 91
Mean −1379
Std Dev 1409
pull1D
Entries 91
Mean 0.002118
Std Dev 1.203

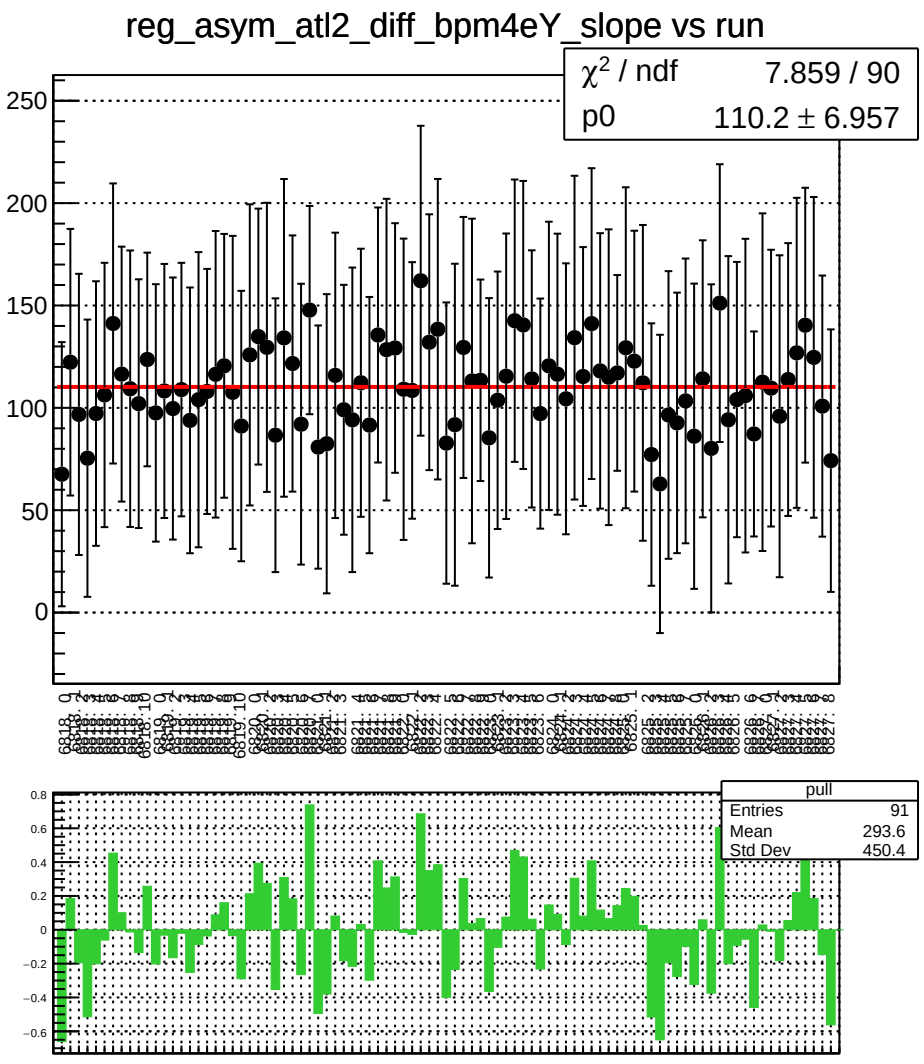

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 10.24 / 90
p0 −585.9 ± 8.894
pull
Entries 91
Mean 301.1
Std Dev 268.1
pull1D
Entries 91
Mean −0.004379
Std Dev 0.3354

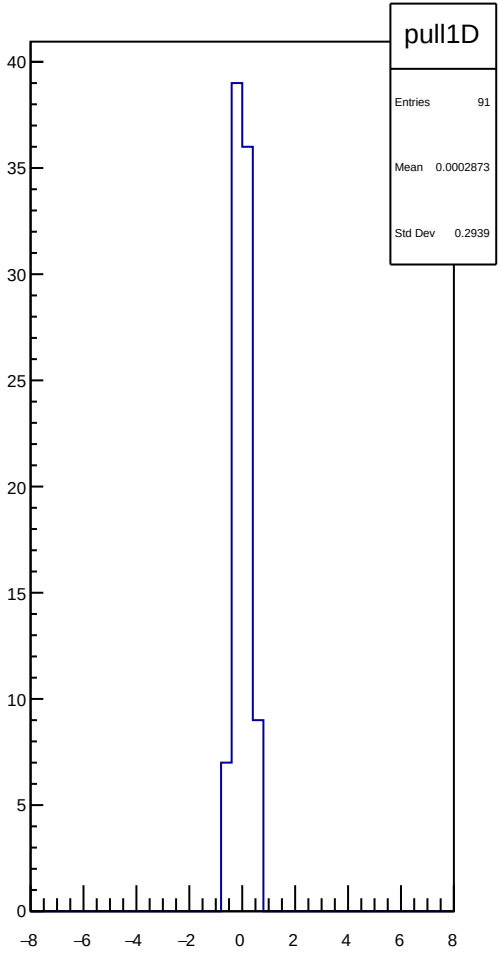

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 7.227 / 90
p0 27.23 ± 5.996
pull
Entries 91
Mean 137.1
Std Dev 139

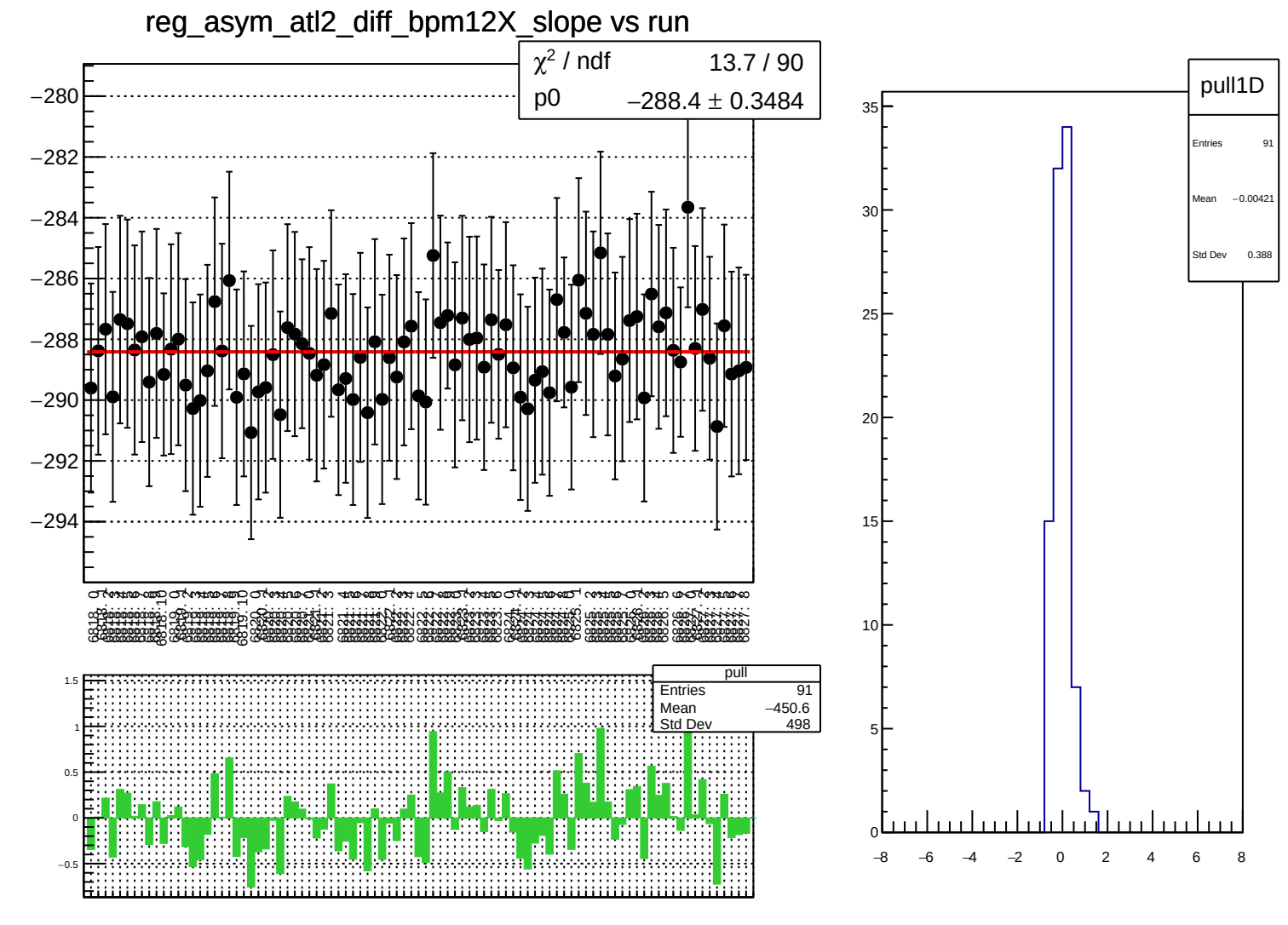

pull1D
Entries 91
Mean 0.001157
Std Dev 0.2818

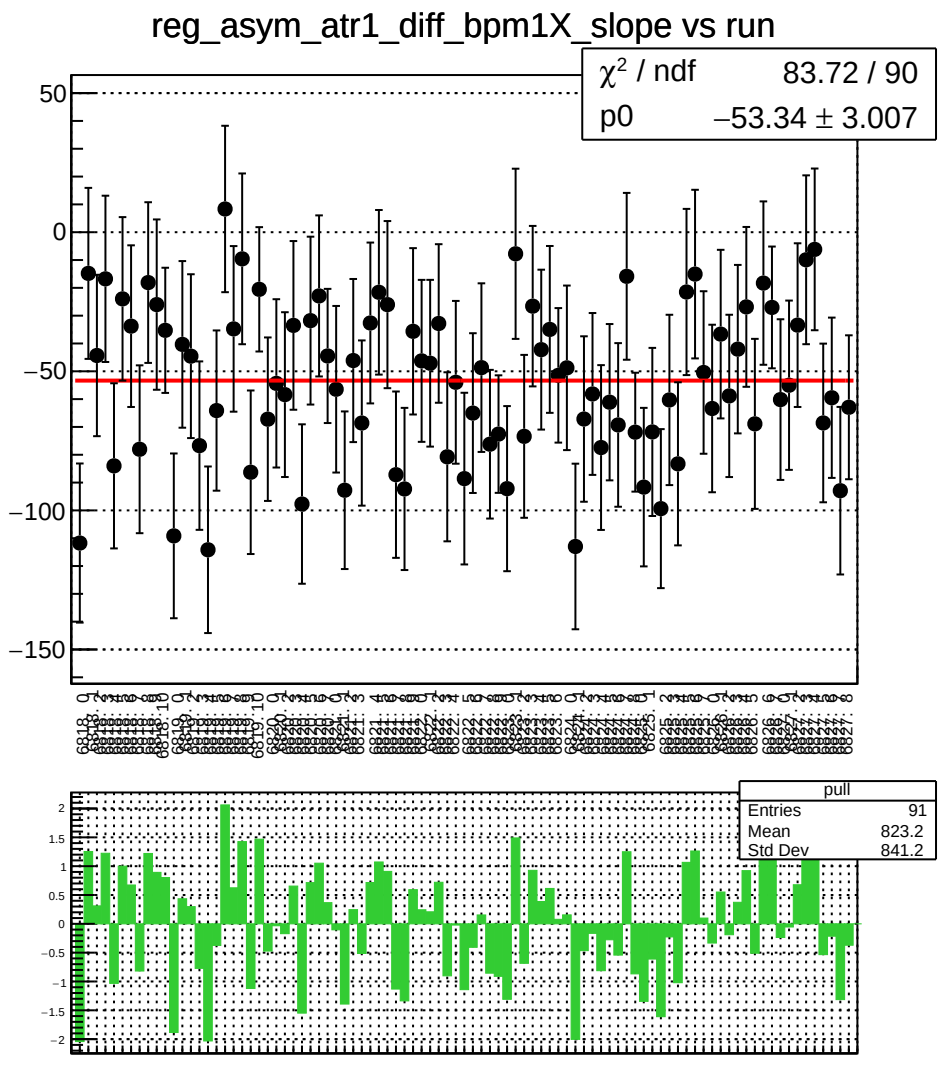

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 10.08 / 90
p0 481.5 ± 8.318
650
600
550
500
450
400
350
pull
Entries 91
Mean 252.8
Std Dev 223
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

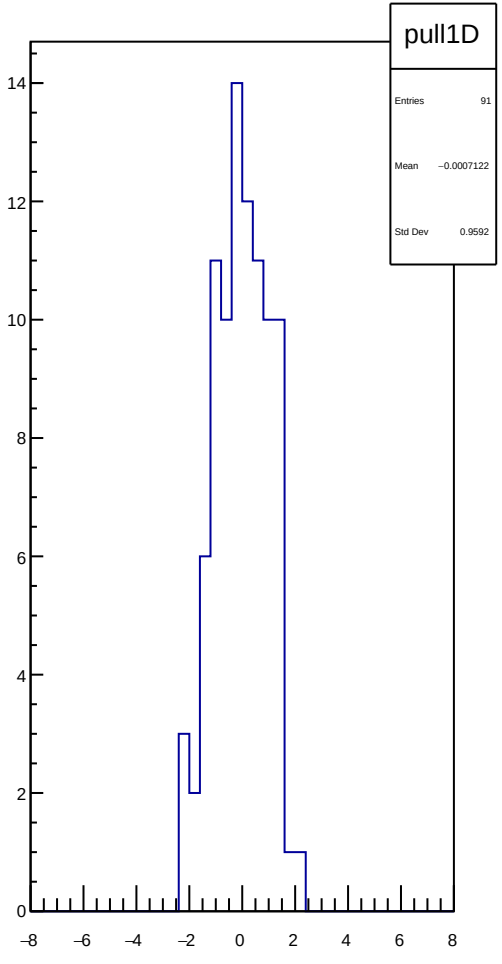

pull1D
Entries 91
Mean 0.004416
Std Dev 0.3327
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

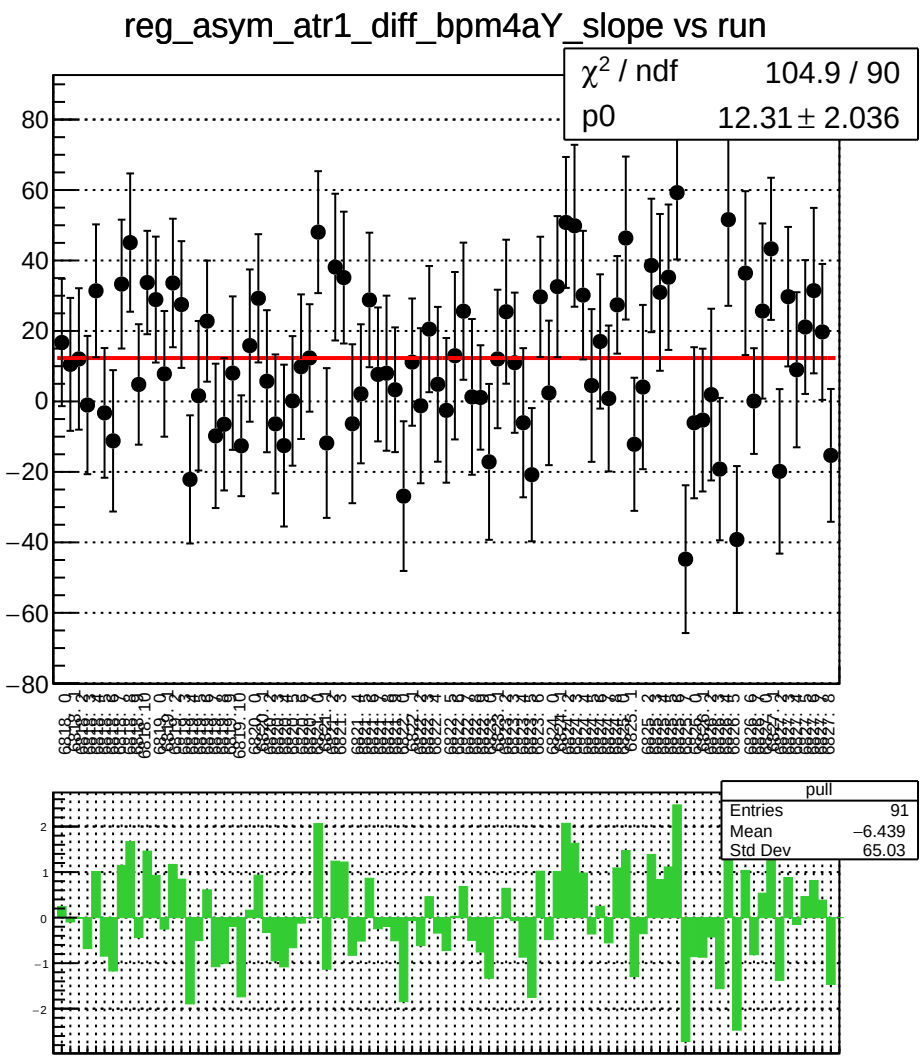

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 7.859 / 90
p0 110.2 ± 6.957
pull
Entries 91
Mean 293.6
Std Dev 450.4

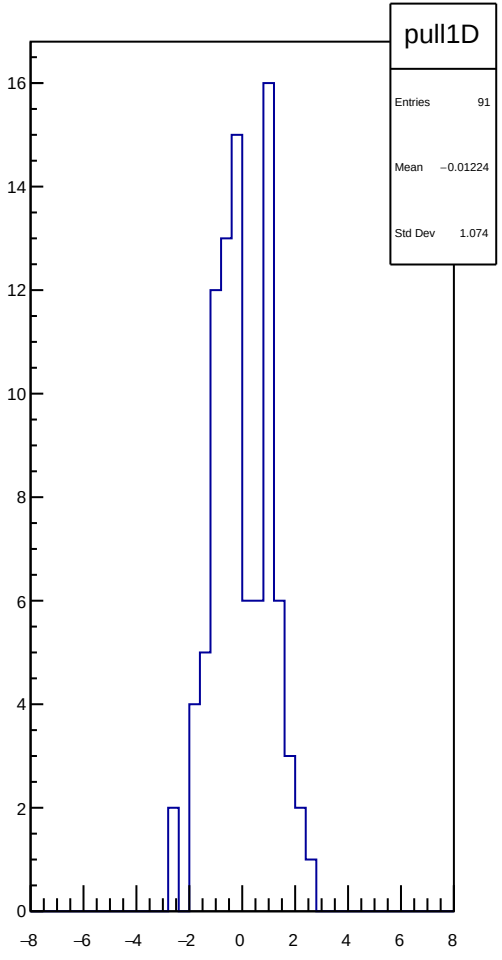

pull1D
Entries 91
Mean 0.0002873
Std Dev 0.2939

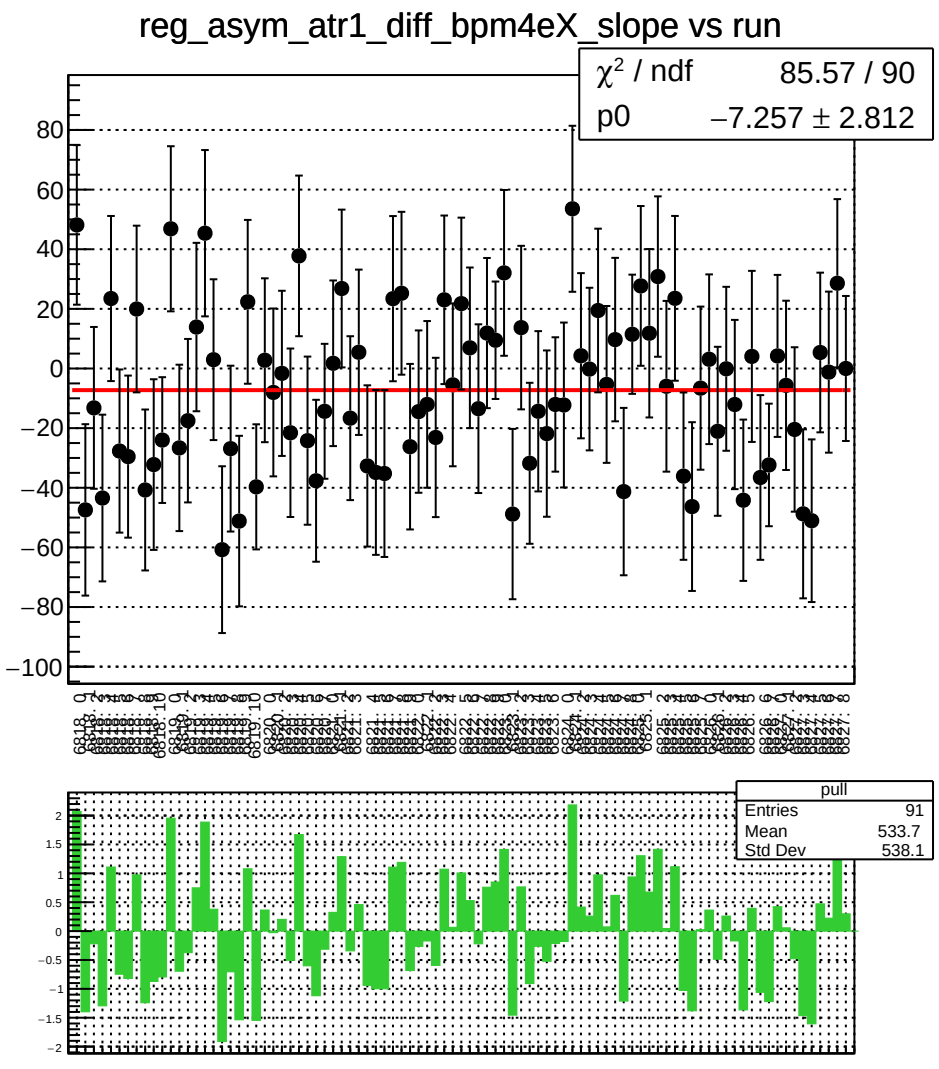

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 13.7 / 90
p0 −288.4 ± 0.3484
pull
Entries 91
Mean −450.6
Std Dev 498
pull1D
Entries 91
Mean −0.00421
Std Dev 0.388

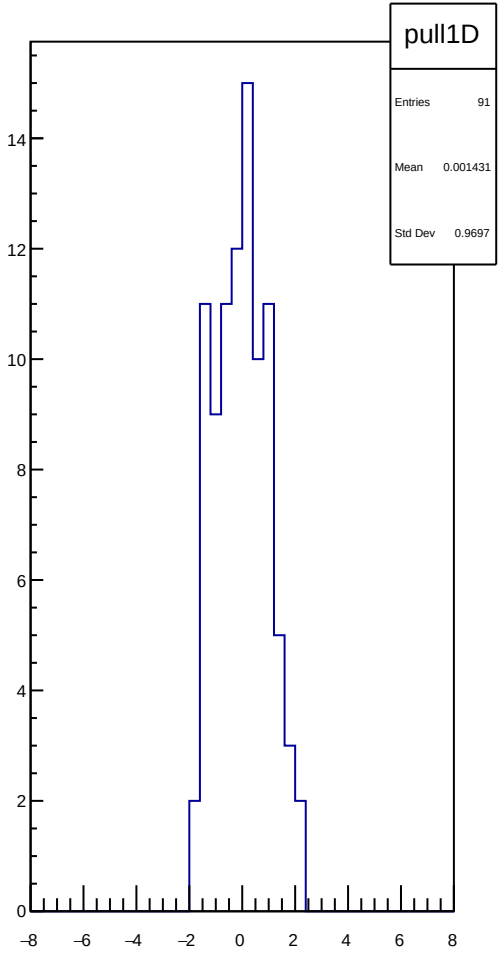

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 83.72 / 90
p0 −53.34 ± 3.007
pull
Entries 91
Mean 823.2
Std Dev 841.2

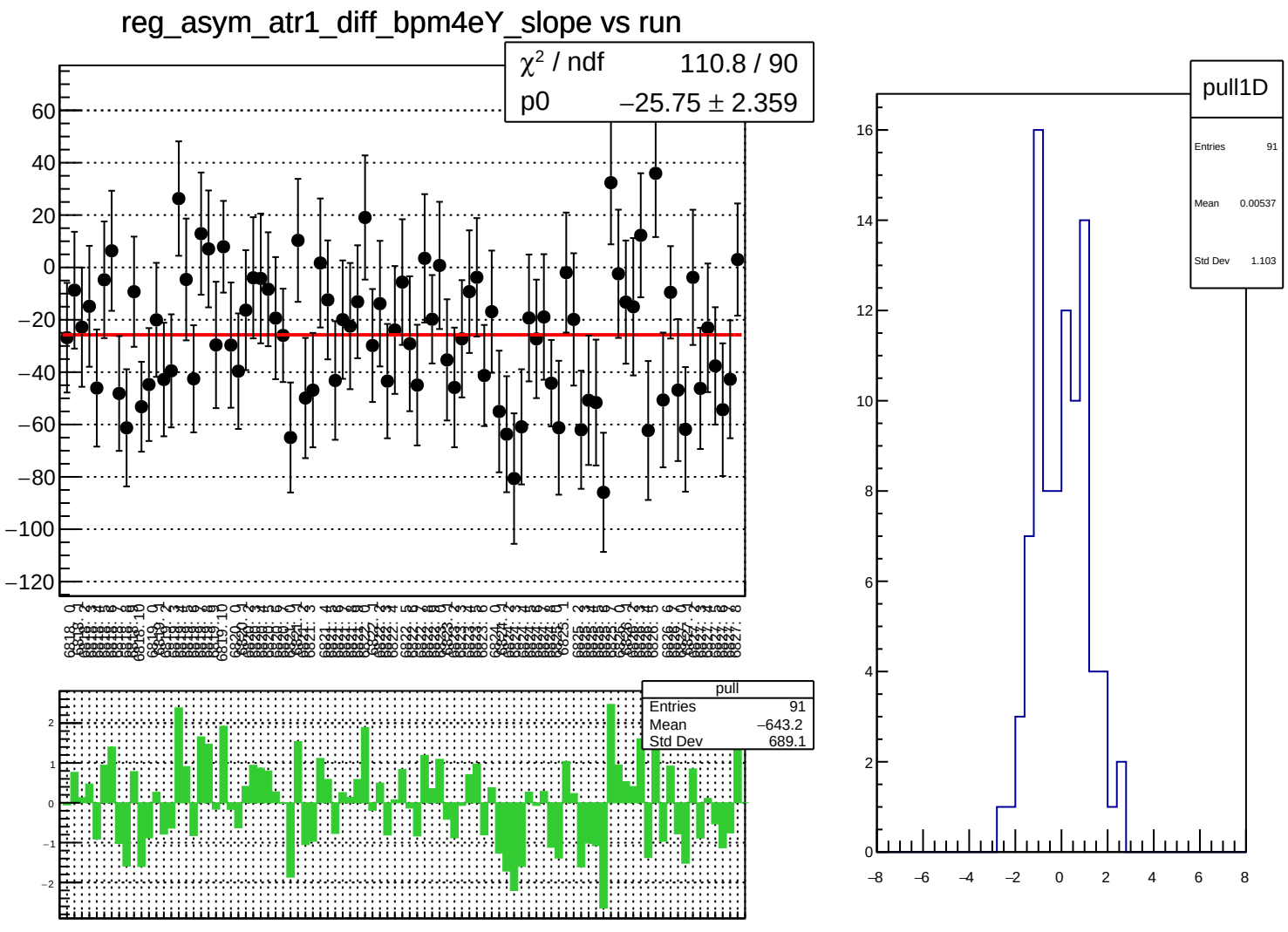

pull1D
Entries 91
Mean −0.0007122
Std Dev 0.9592

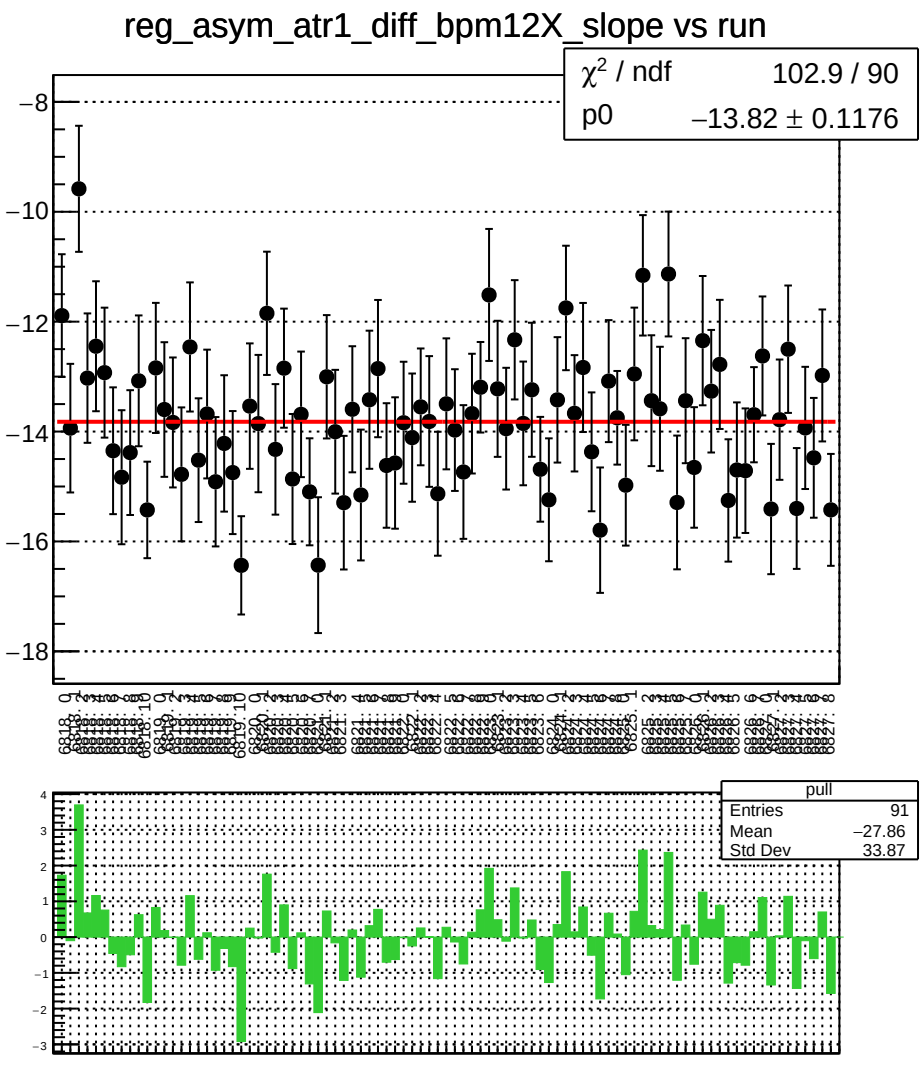

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 104.9 / 90
p0 12.31 ± 2.036
pull
Entries 91
Mean −6.439
Std Dev 65.03

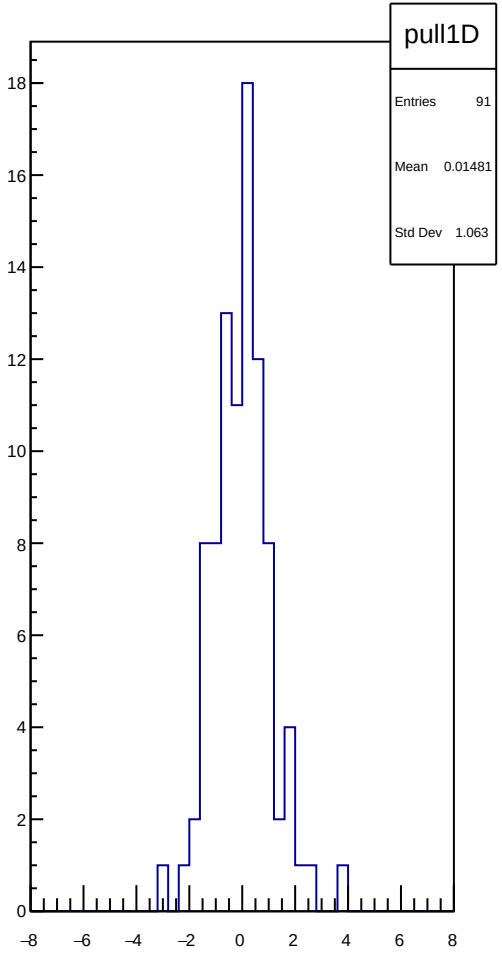

pull1D
Entries 91
Mean −0.01224
Std Dev 1.074

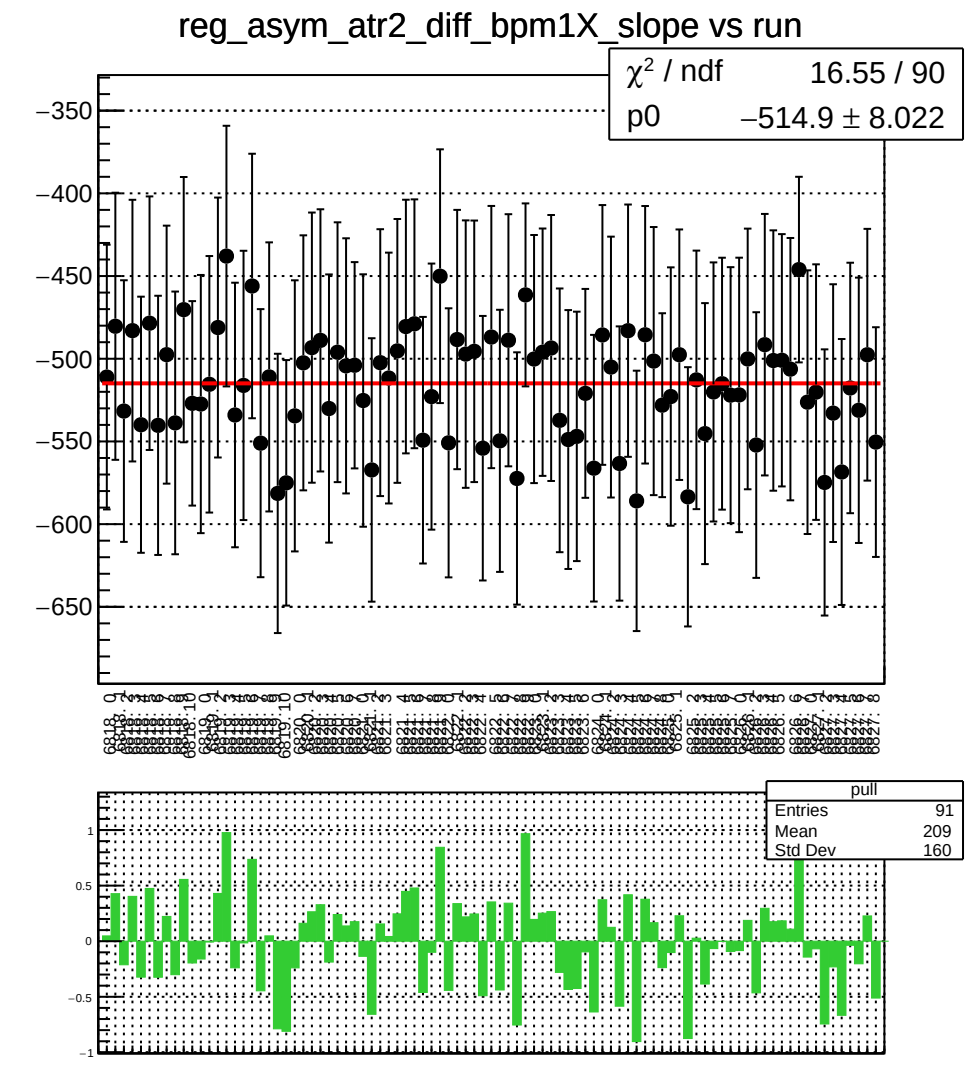

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 85.57 / 90
p0 −7.257 ± 2.812
pull
Entries 91
Mean 533.7
Std Dev 538.1

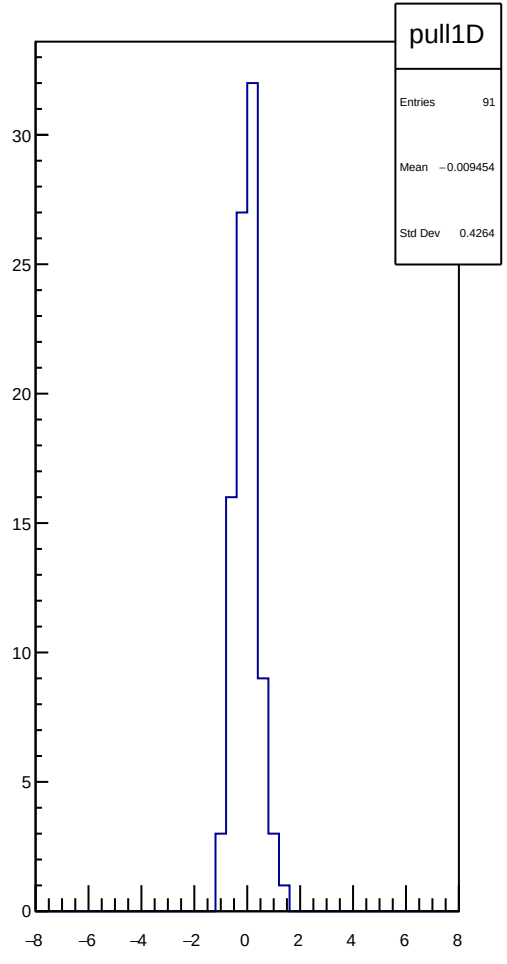

pull1D
Entries 91
Mean 0.001431
Std Dev 0.9697

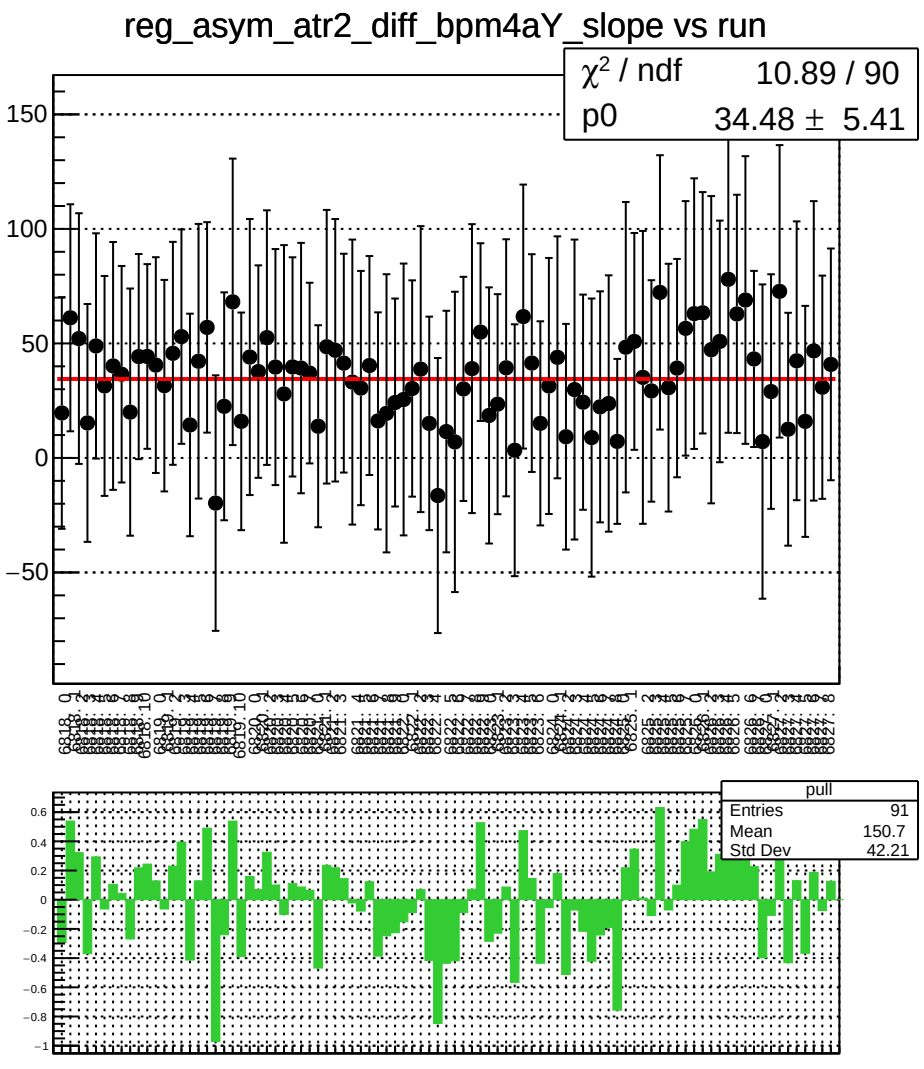

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 110.8 / 90
p0 −25.75 ± 2.359
pull
Entries 91
Mean −643.2
Std Dev 689.1
pull1D
Entries 91
Mean 0.00537
Std Dev 1.103

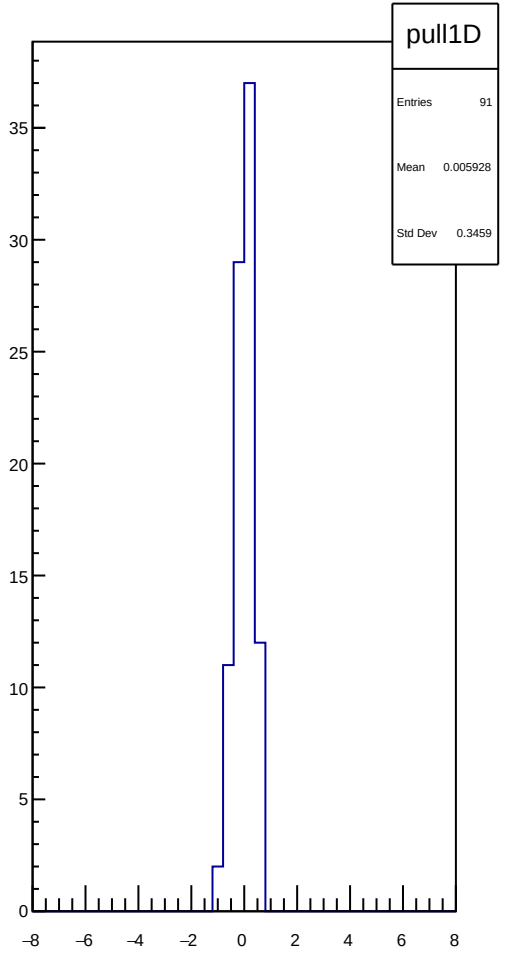

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 102.9 / 90
p0 −13.82 ± 0.1176
pull
Entries 91
Mean −27.86
Std Dev 33.87

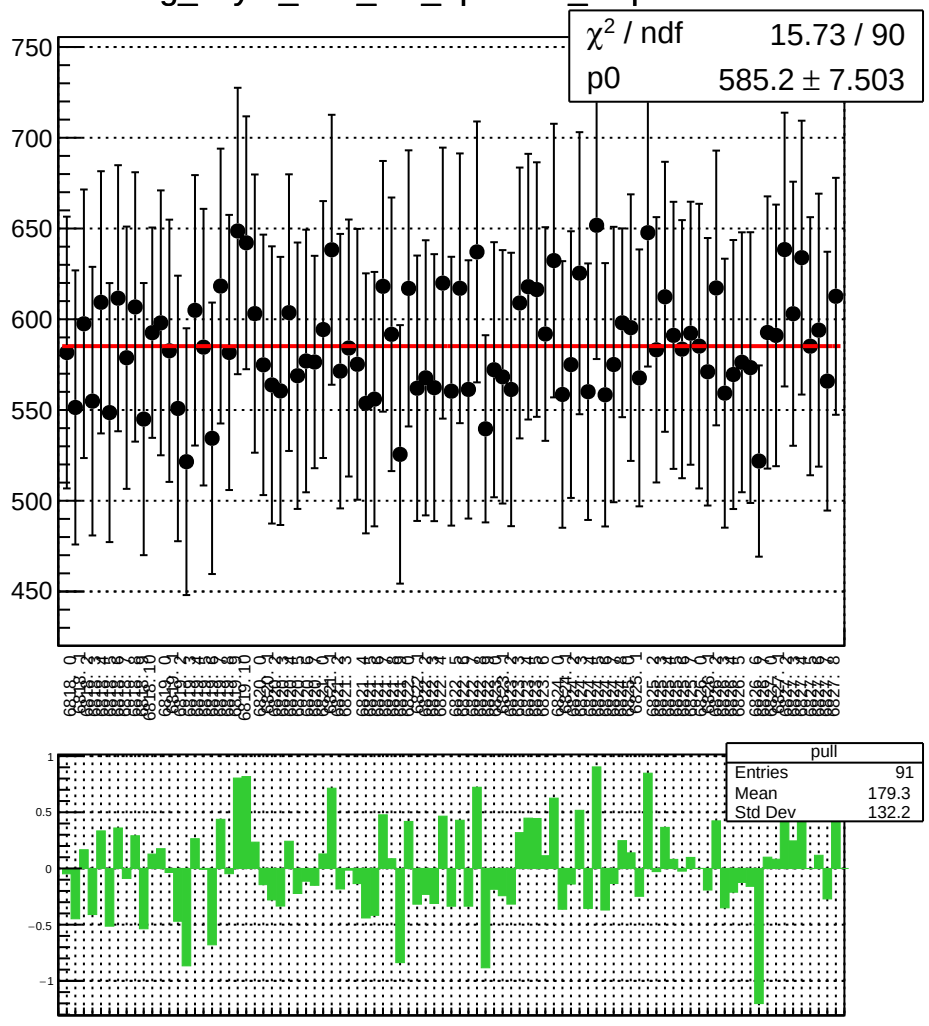

pull1D
Entries 91
Mean 0.01481
Std Dev 1.063

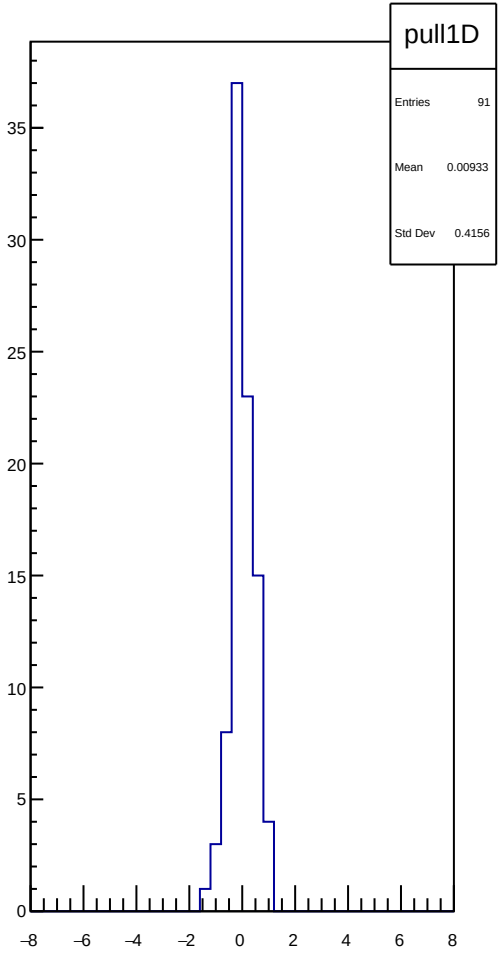

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 16.55 / 90
p0 −514.9 ± 8.022
pull
Entries 91
Mean 209
Std Dev 160

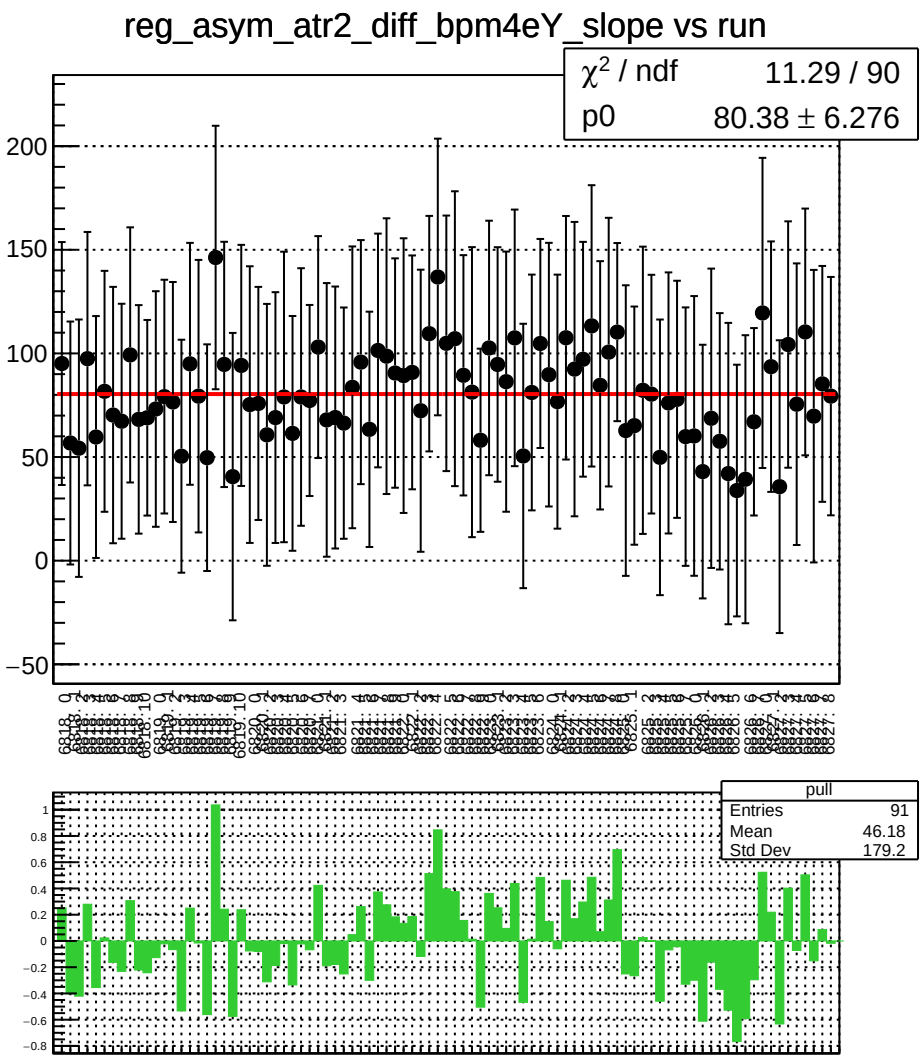

pull1D
Entries 91
Mean −0.009454
Std Dev 0.4264

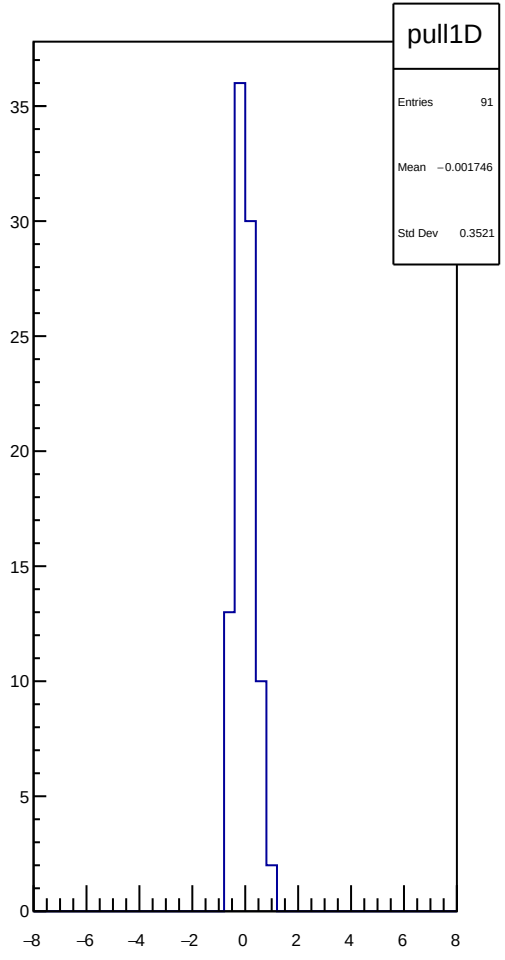

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 10.89 / 90
p0 34.48 ± 5.41
150
100
50
0
−50
pull
Entries 91
Mean 150.7
Std Dev 42.21
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

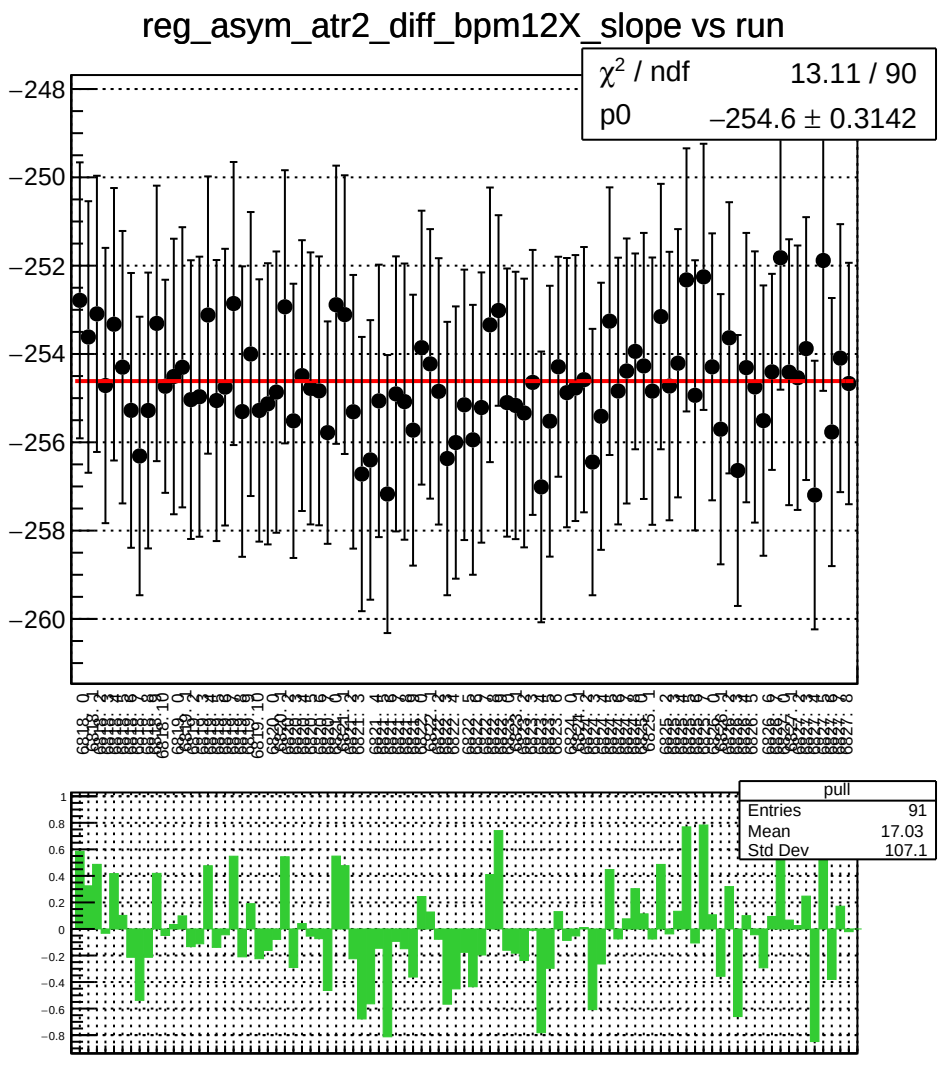

pull1D
Entries 91
Mean 0.005928
Std Dev 0.3459
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

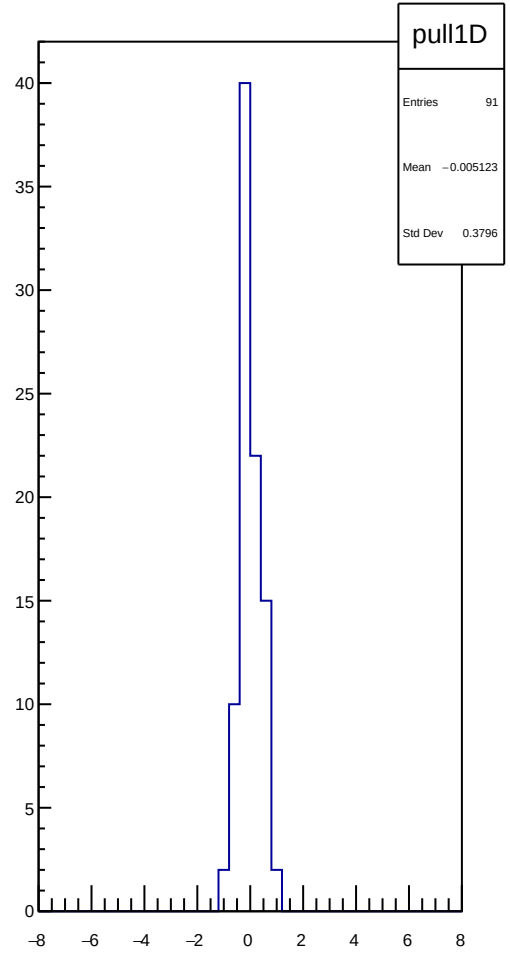

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 15.73 / 90
p0 585.2 ± 7.503
pull
Entries 91
Mean 179.3
Std Dev 132.2

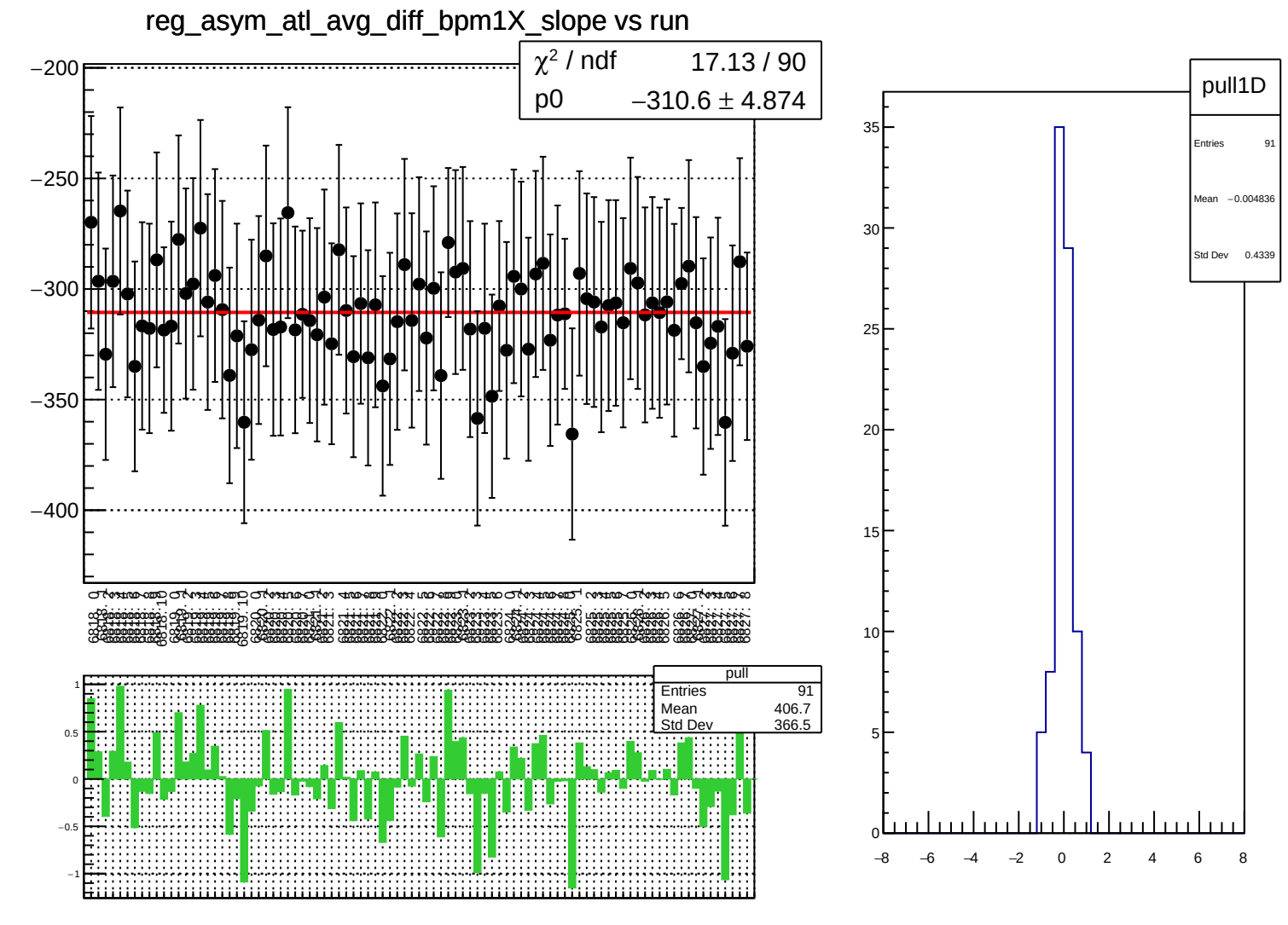

pull1D
Entries 91
Mean 0.00933
Std Dev 0.4156

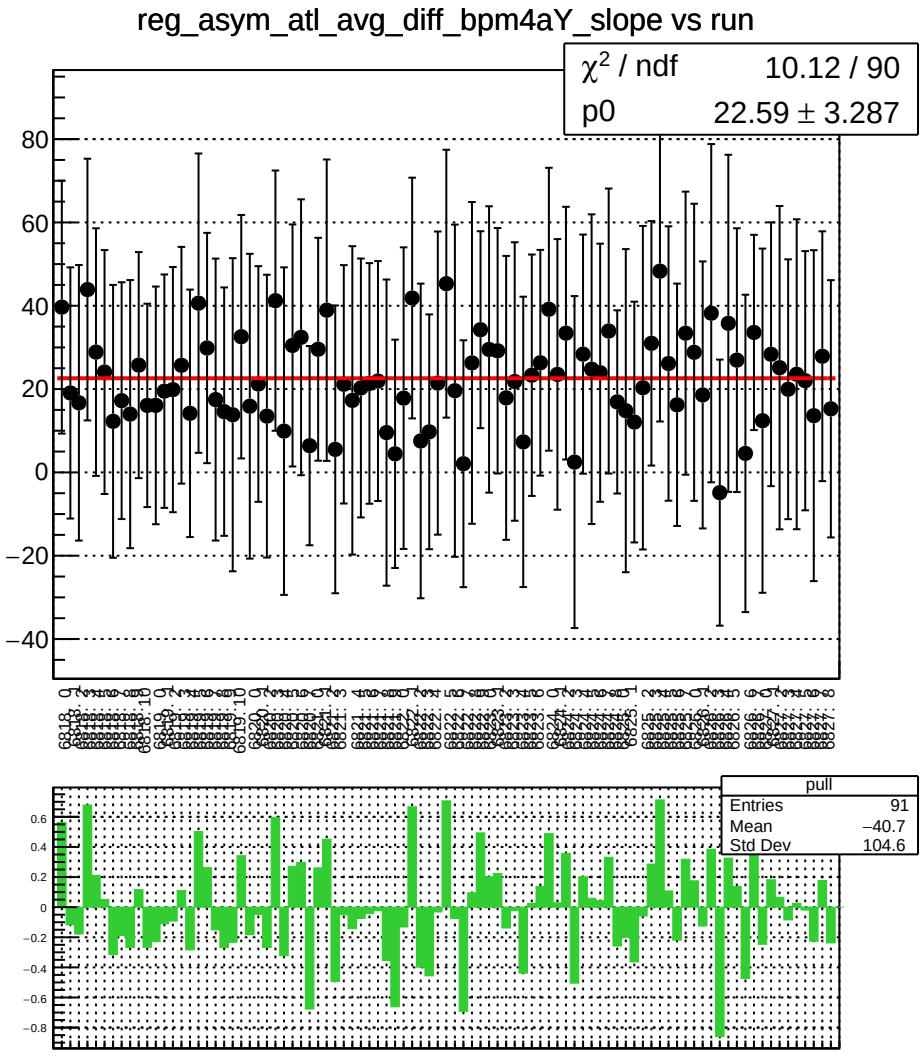

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 11.29 / 90
p0 80.38 ± 6.276
pull
Entries 91
Mean 46.18
Std Dev 179.2

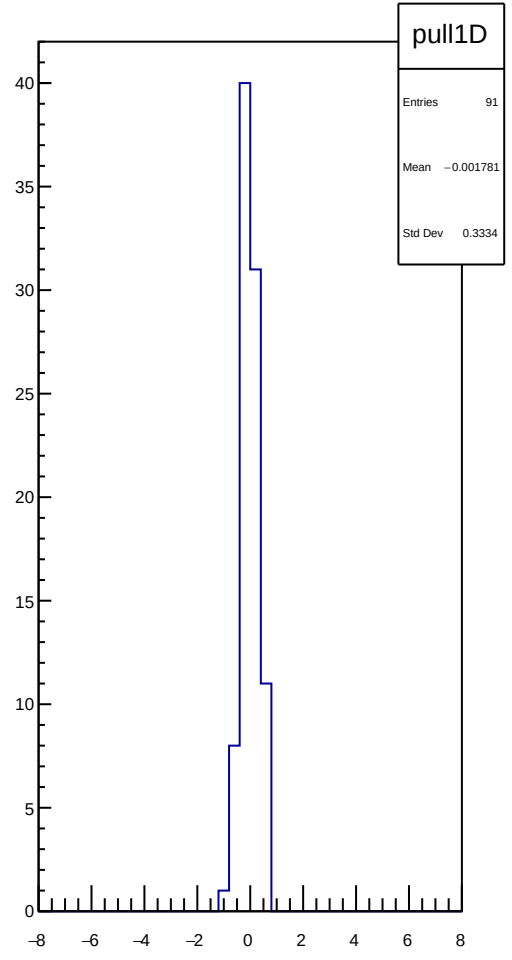

pull1D
Entries 91
Mean −0.001746
Std Dev 0.3521

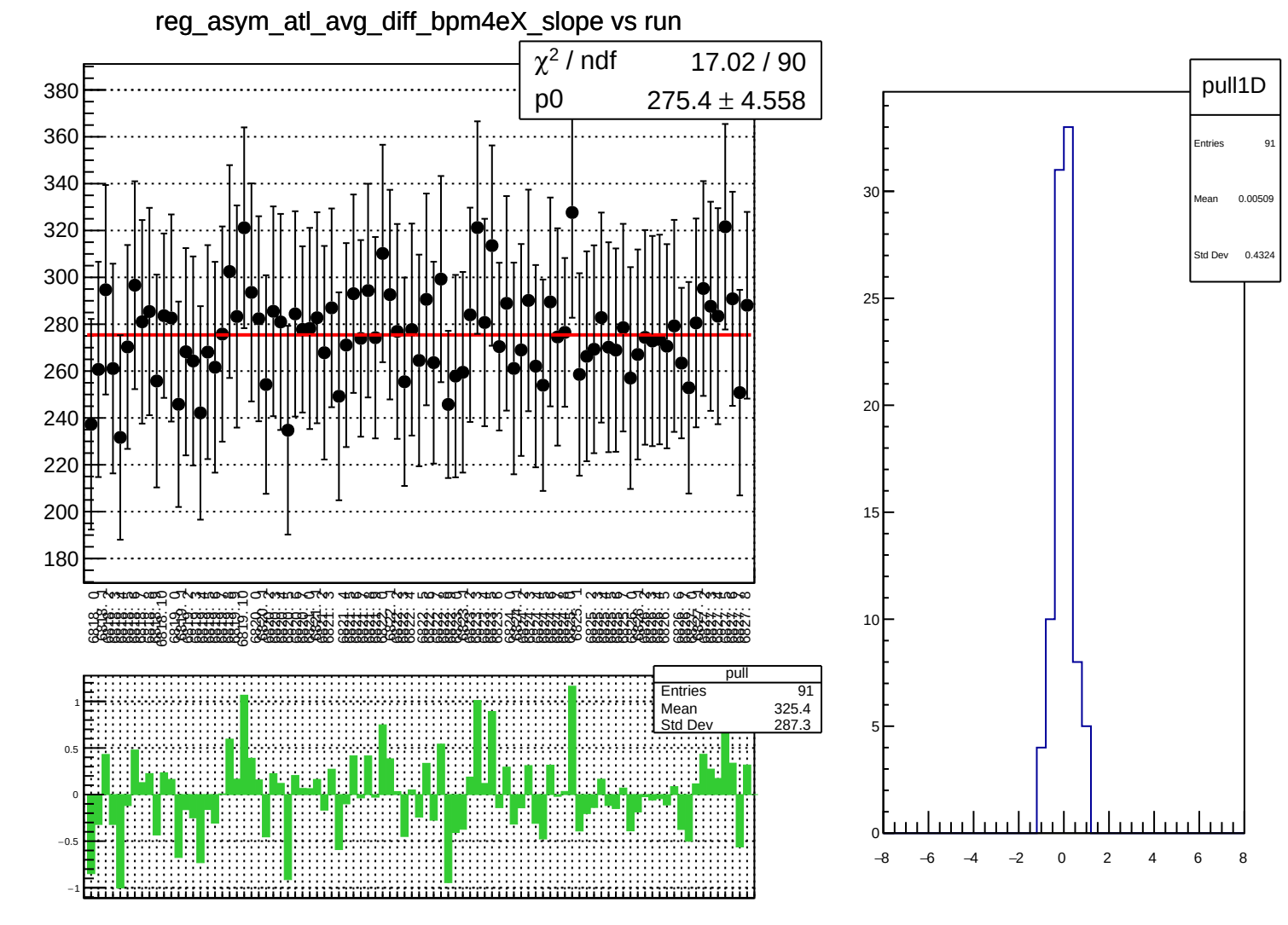

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.11 / 90
p0 −254.6 ± 0.3142
pull
Entries 91
Mean 17.03
Std Dev 107.1

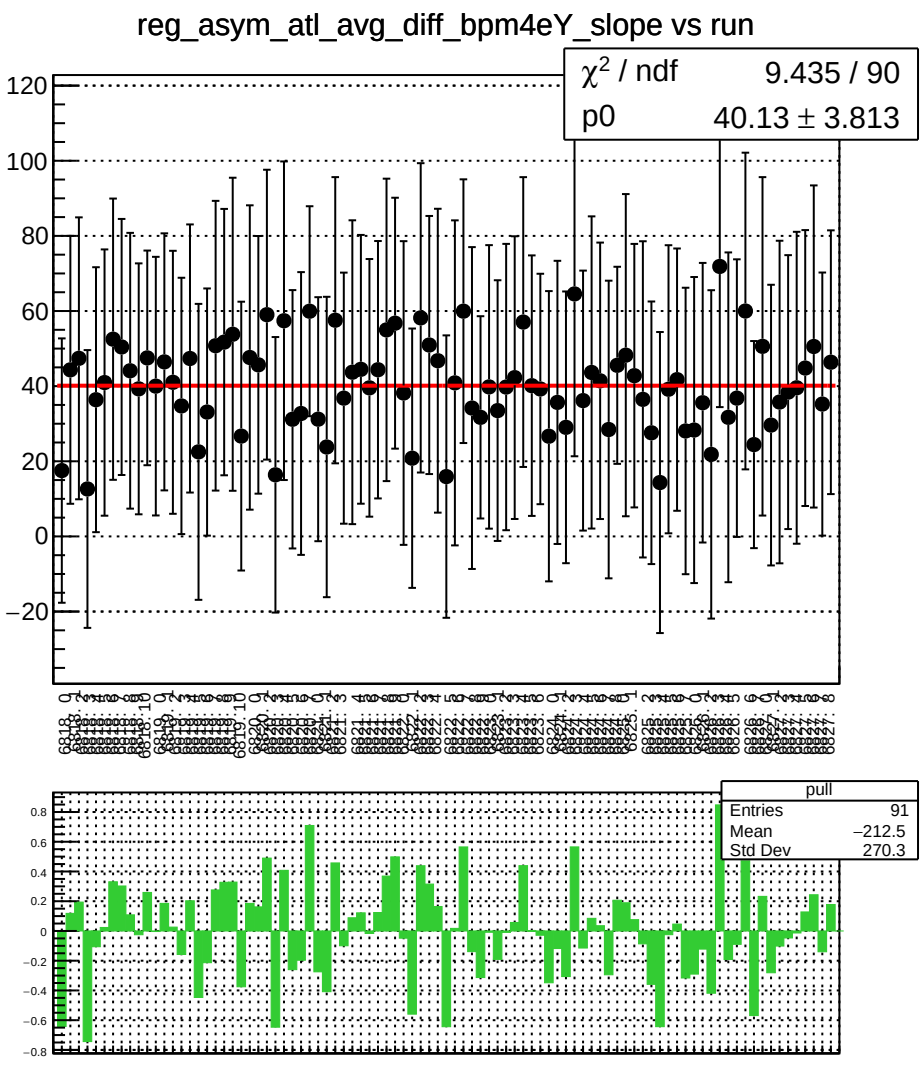

pull1D
Entries 91
Mean −0.005123
Std Dev 0.3796

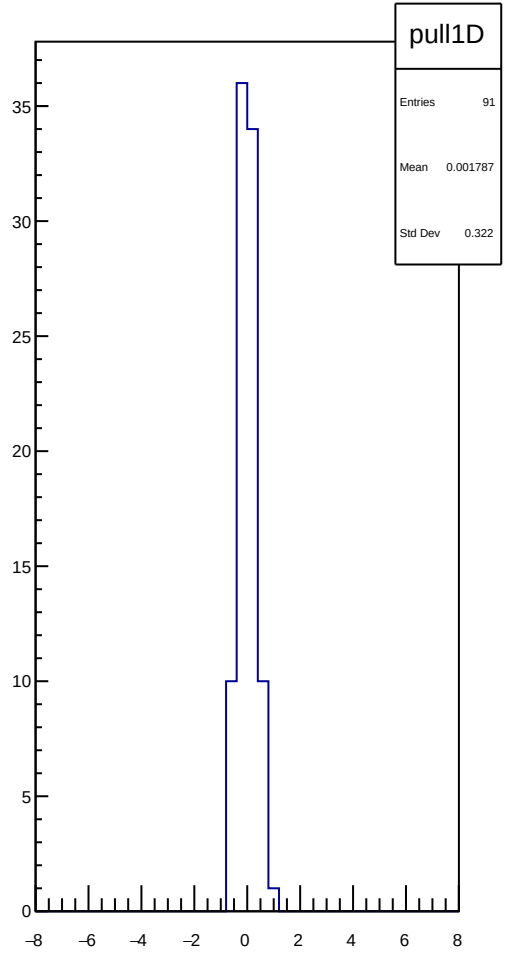

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 17.13 / 90
p0 −310.6 ± 4.874
−200
−250
−300
−350
−400
pull
Entries 91
Mean 406.7
Std Dev 366.5
1
0.5
0
−0.5
−1
pull1D
Entries 91
Mean −0.004836
Std Dev 0.4339
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

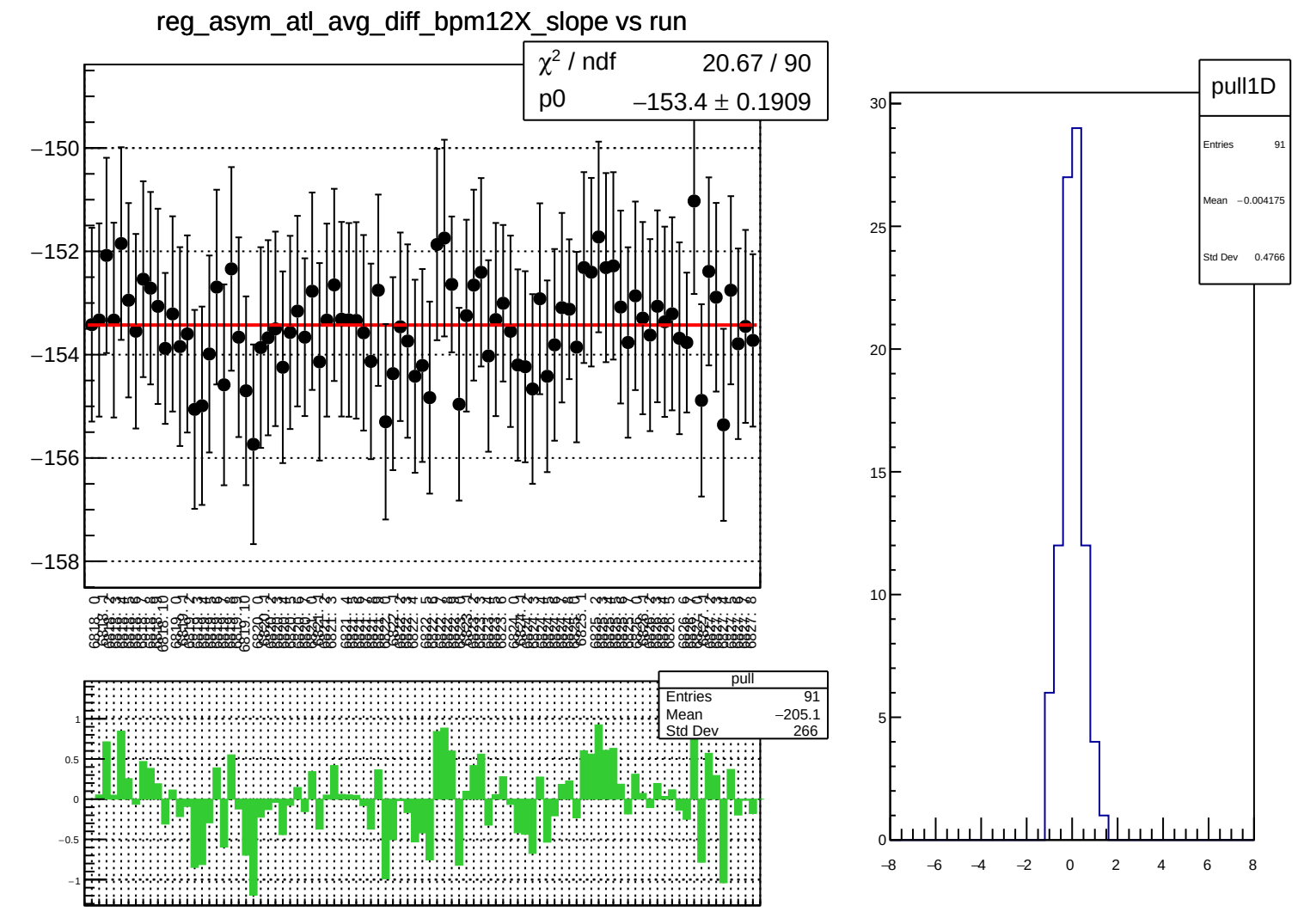

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.12 / 90
p0 22.59 ± 3.287
pull
Entries 91
Mean −40.7
Std Dev 104.6

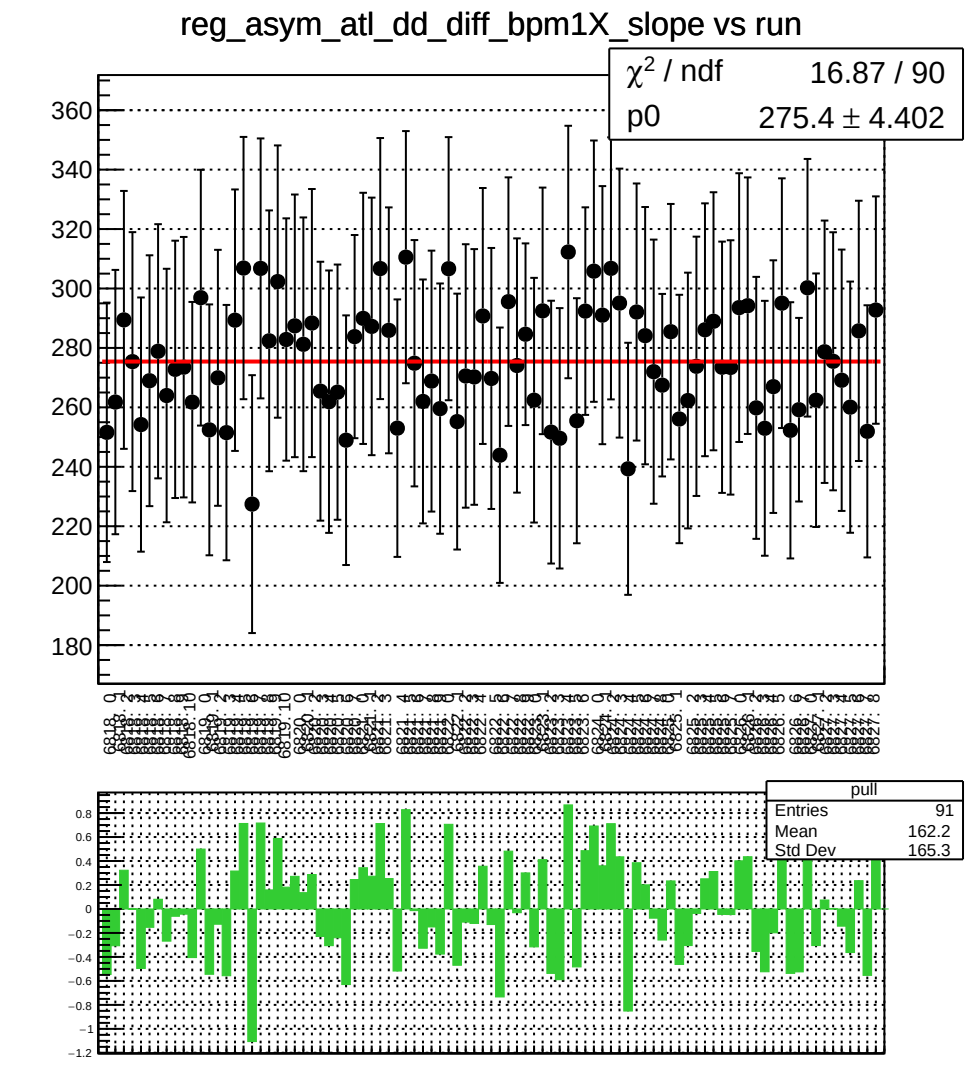

pull1D
Entries 91
Mean −0.001781
Std Dev 0.3334

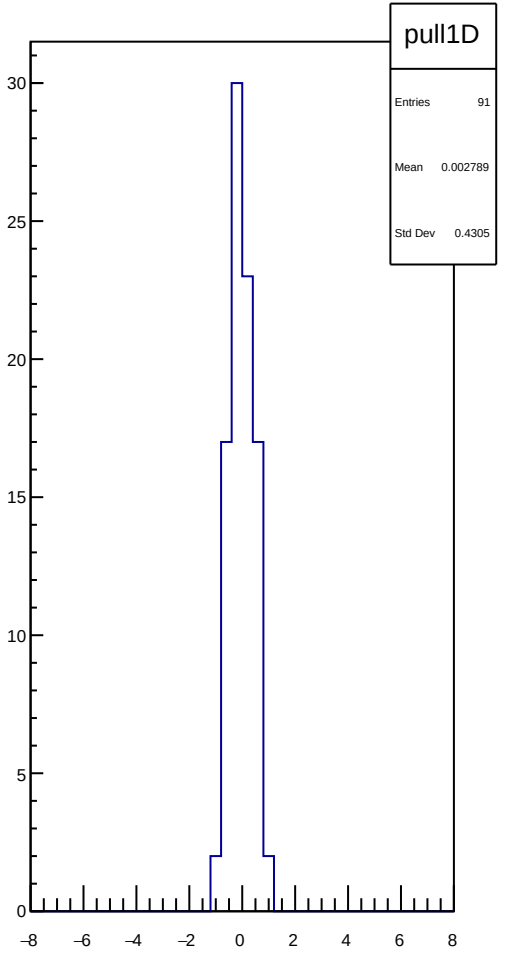

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.02 / 90
p0 275.4 ± 4.558
pull
Entries 91
Mean 325.4
Std Dev 287.3
pull1D
Entries 91
Mean 0.00509
Std Dev 0.4324

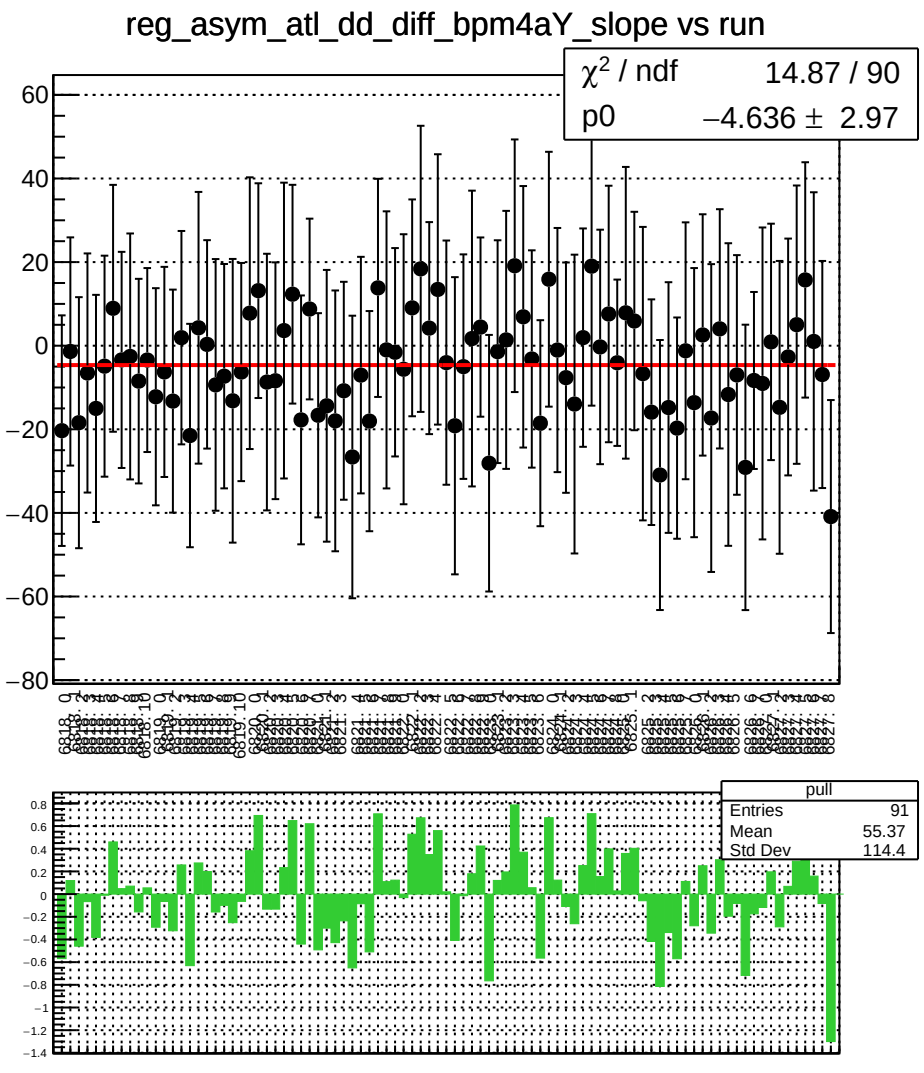

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.435 / 90
p0 40.13 ± 3.813
pull
Entries 91
Mean −212.5
Std Dev 270.3

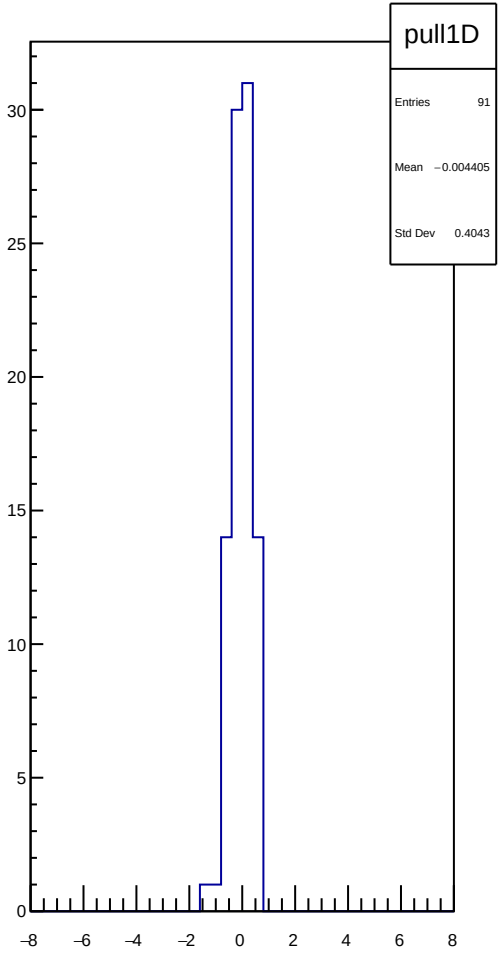

pull1D
Entries 91
Mean 0.001787
Std Dev 0.322

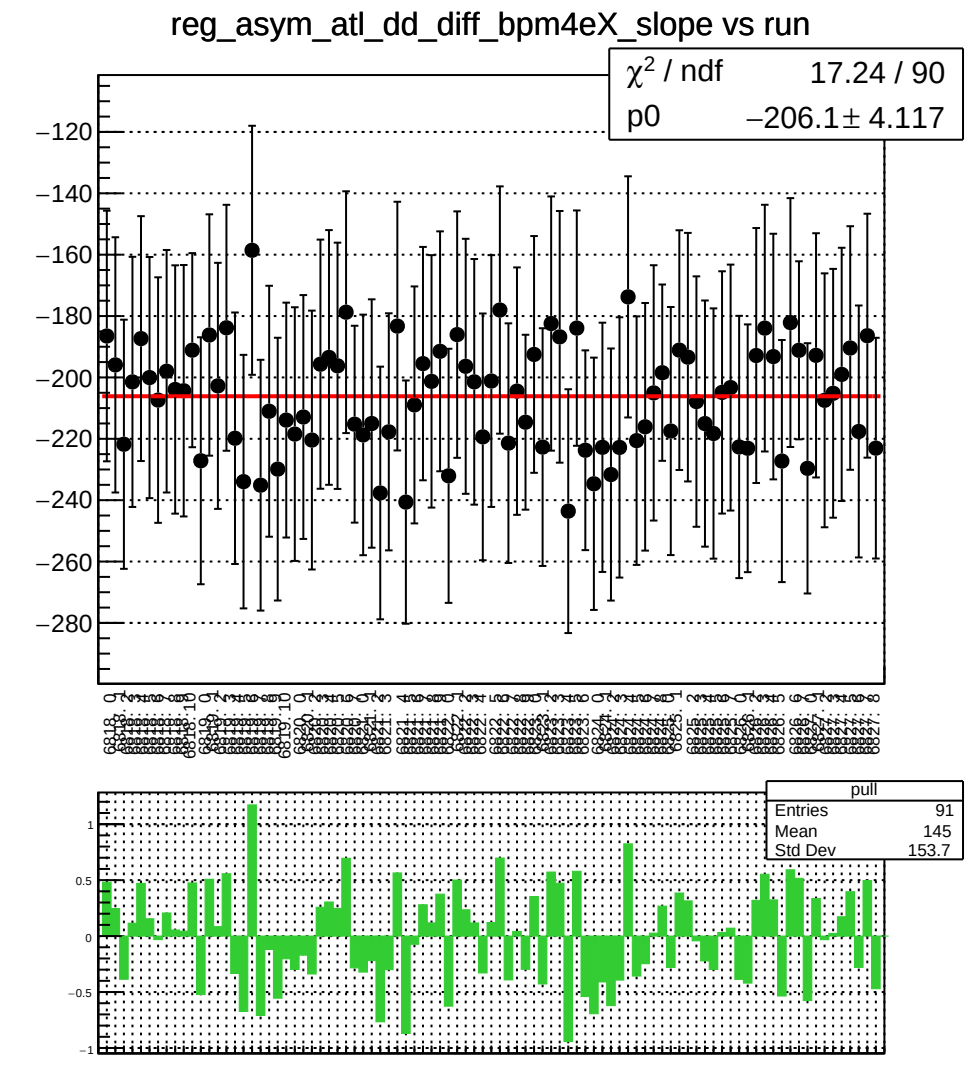

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 20.67 / 90
p0 −153.4 ± 0.1909
−150
−152
−154
−156
−158
pull
Entries 91
Mean −205.1
Std Dev 266
1
0.5
0
−0.5
−1
pull1D
Entries 91
Mean −0.004175
Std Dev 0.4766
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

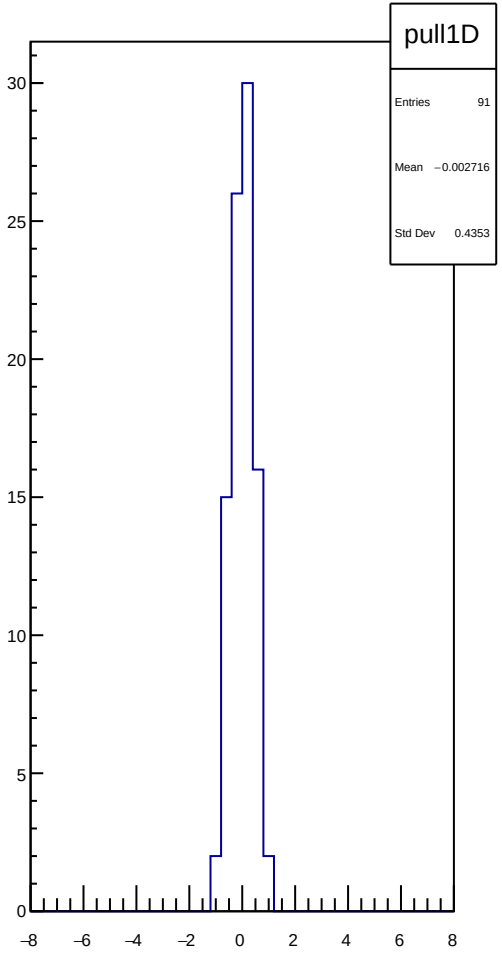

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 16.87 / 90
p0 275.4 ± 4.402
pull
Entries 91
Mean 162.2
Std Dev 165.3

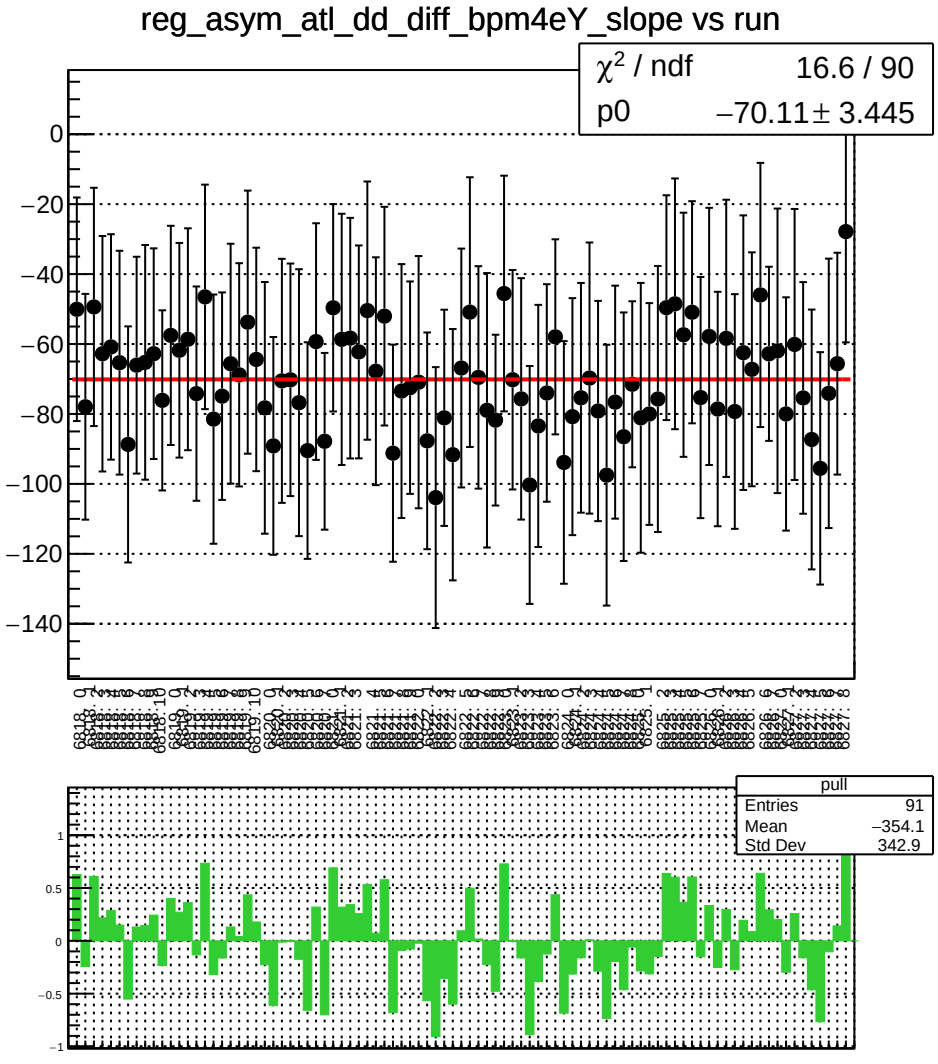

pull1D
Entries 91
Mean 0.002789
Std Dev 0.4305

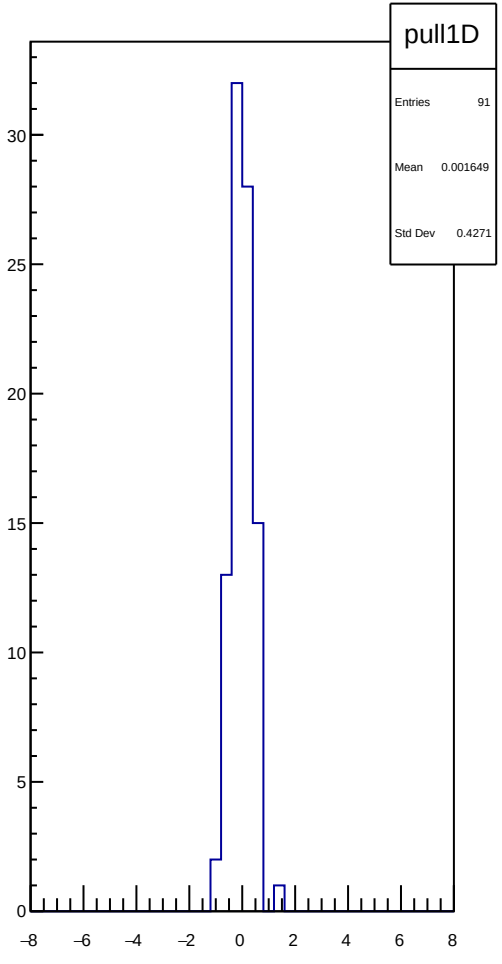

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.87 / 90
p0 −4.636 ± 2.97
pull
Entries 91
Mean 55.37
Std Dev 114.4

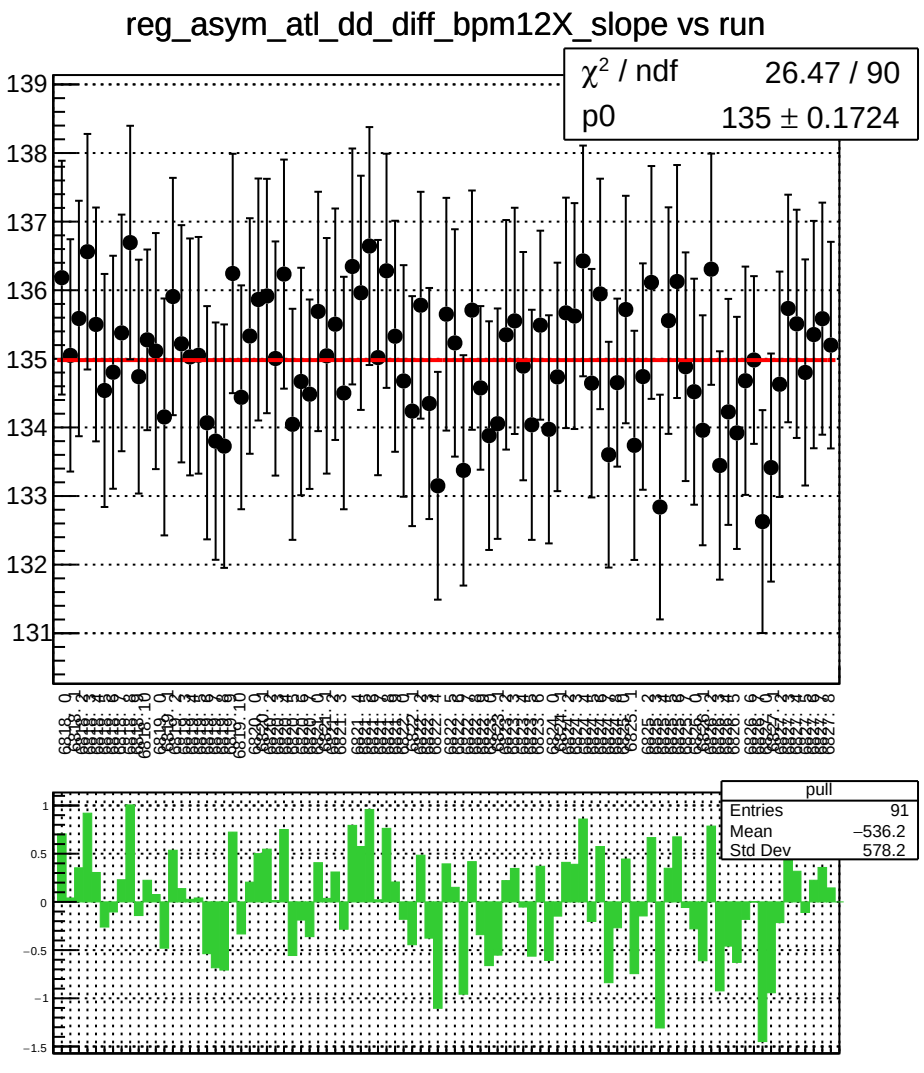

pull1D
Entries 91
Mean −0.004405
Std Dev 0.4043

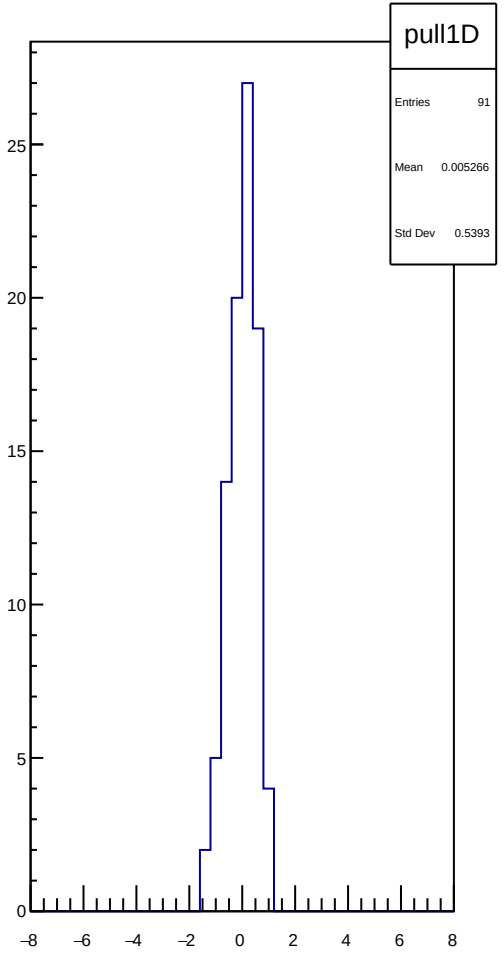

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.24 / 90
p0 −206.1 ± 4.117
pull
Entries 91
Mean 145
Std Dev 153.7

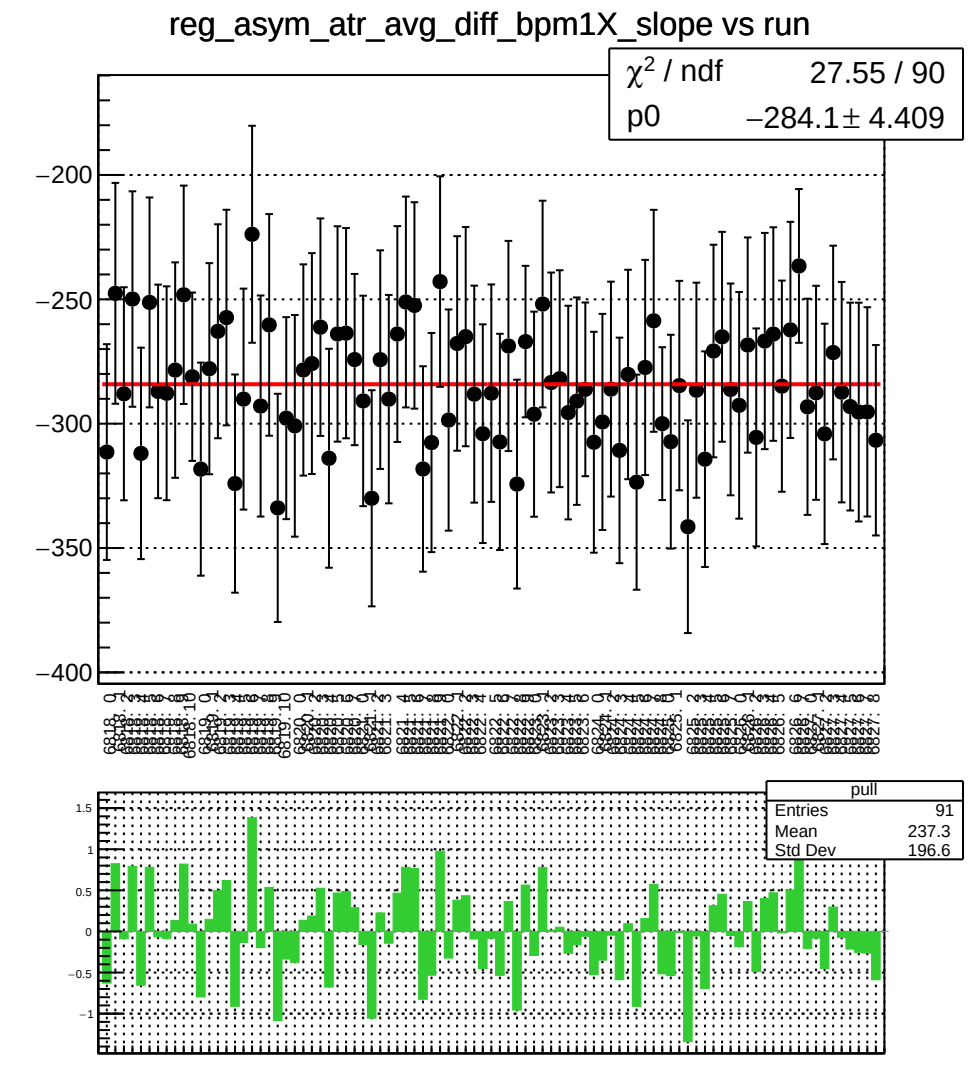

pull1D
Entries 91
Mean −0.002716
Std Dev 0.4353

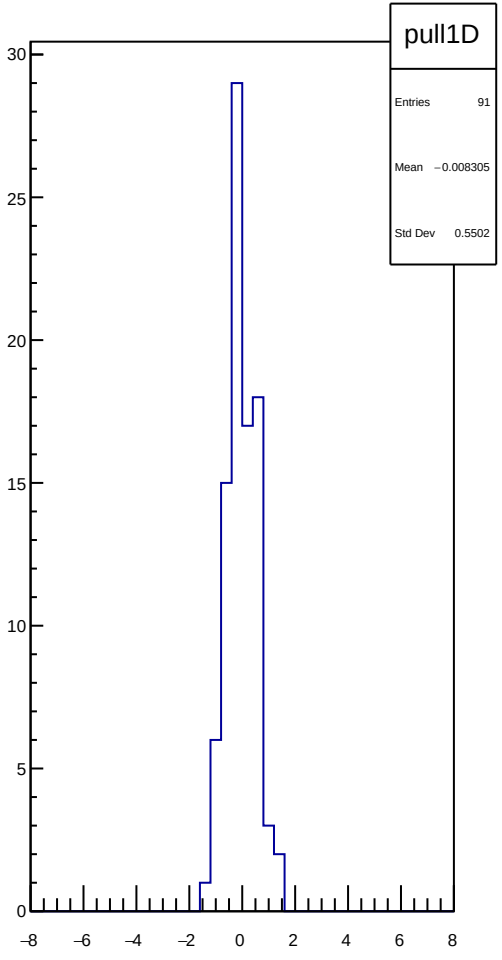

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.6 / 90
p0 −70.11 ± 3.445
pull
Entries 91
Mean −354.1
Std Dev 342.9

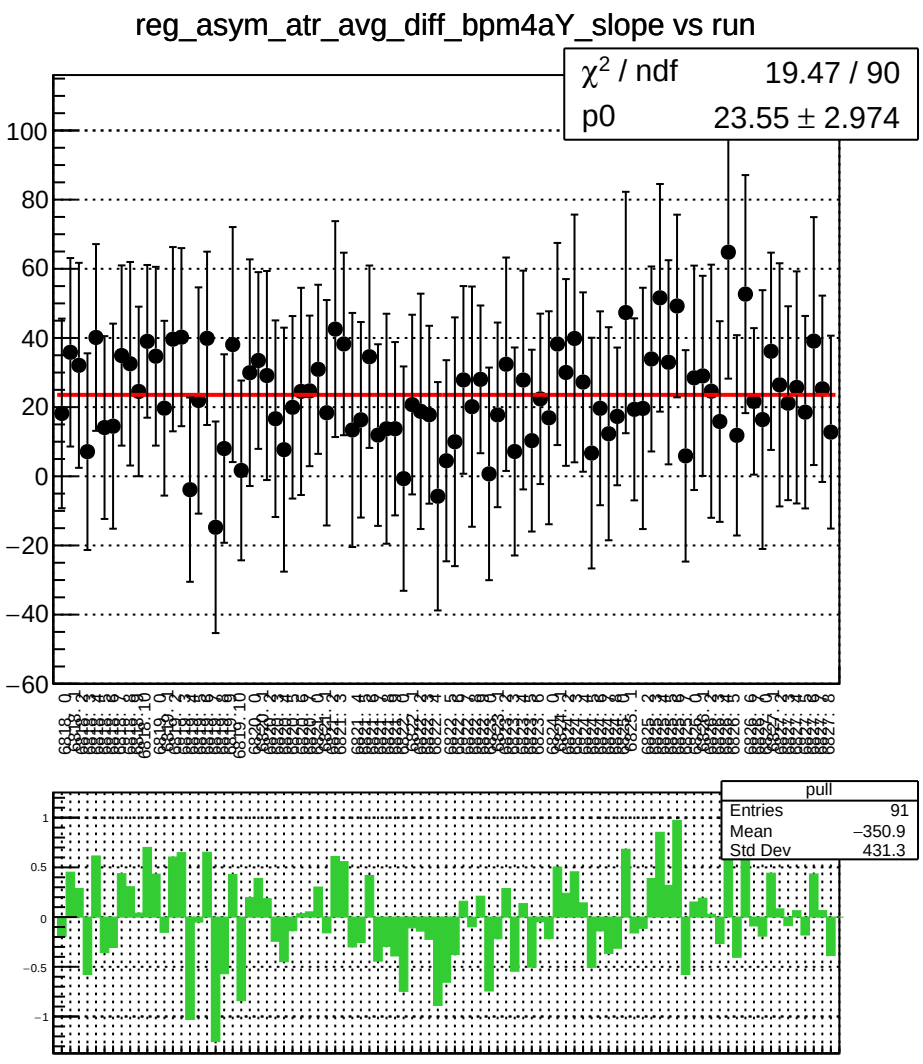

pull1D
Entries 91
Mean 0.001649
Std Dev 0.4271

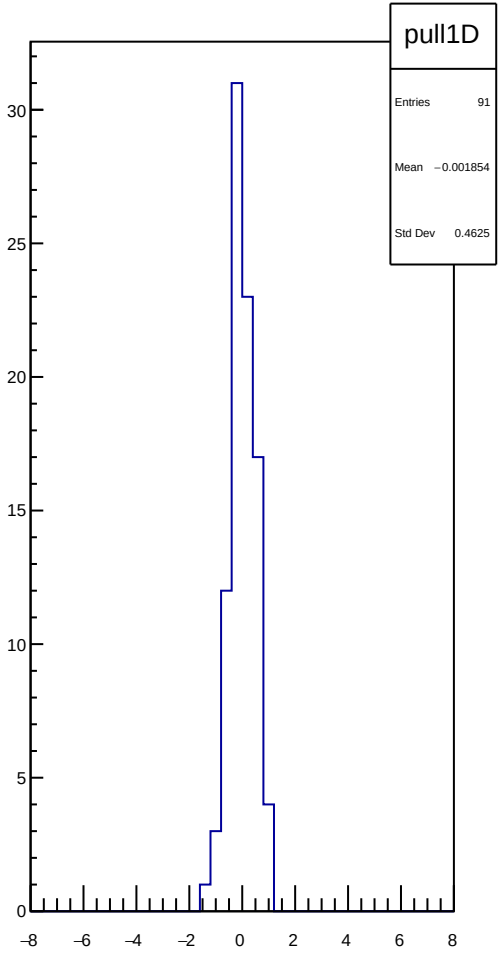

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 26.47 / 90
p0 135 ± 0.1724
pull
Entries 91
Mean −536.2
Std Dev 578.2

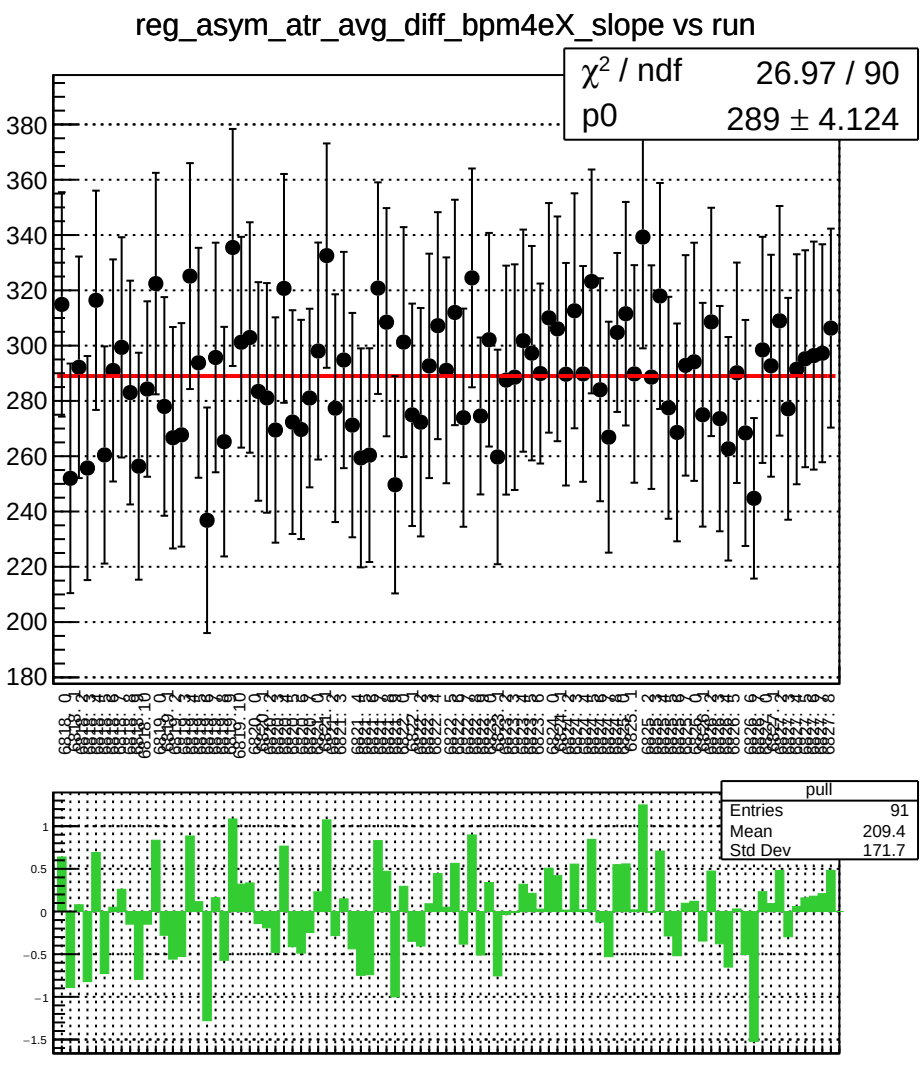

pull1D
Entries 91
Mean 0.005266
Std Dev 0.5393

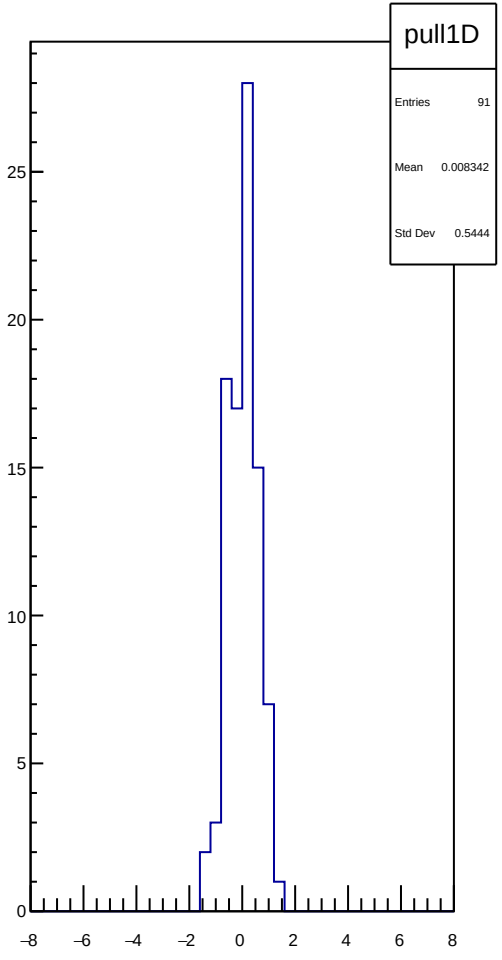

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 27.55 / 90
p0 −284.1± 4.409
−200
−250
−300
−350
−400
pull
Entries 91
Mean 237.3
Std Dev 196.6
1.5
1
0.5
0
−0.5
−1

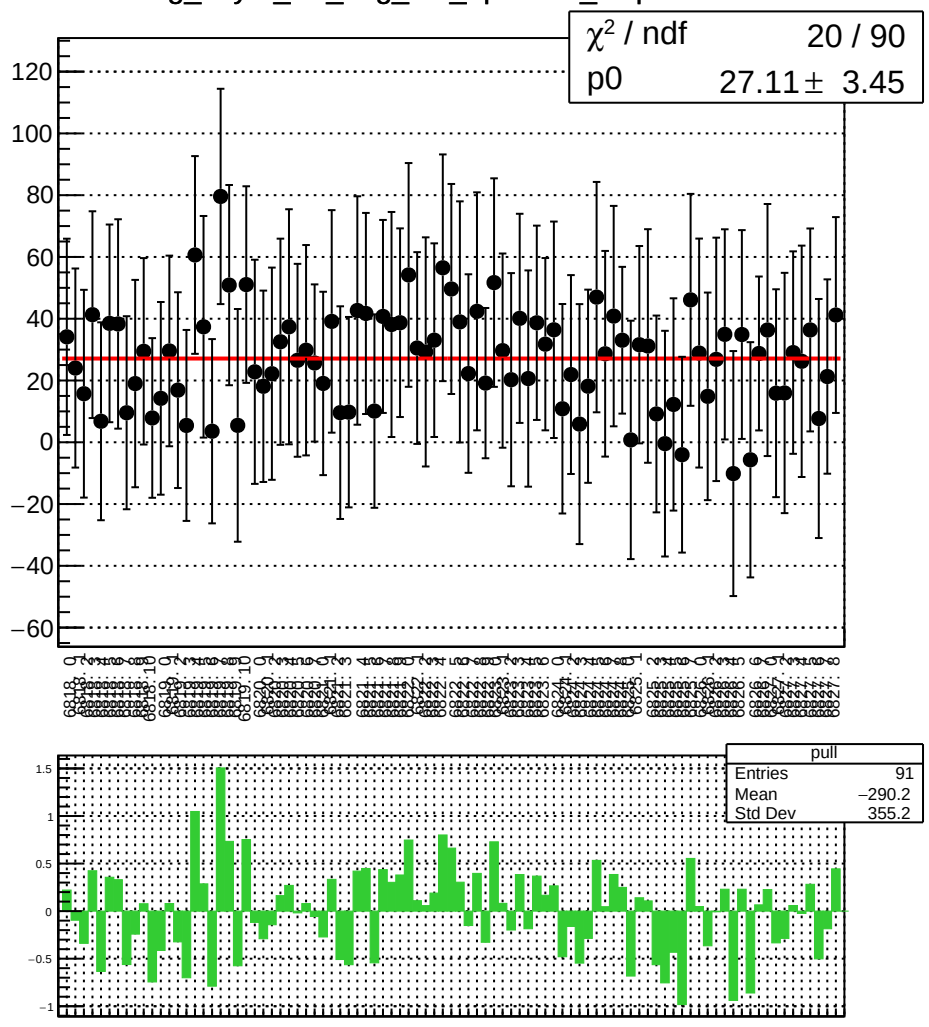

pull1D
Entries 91
Mean −0.008305
Std Dev 0.5502
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

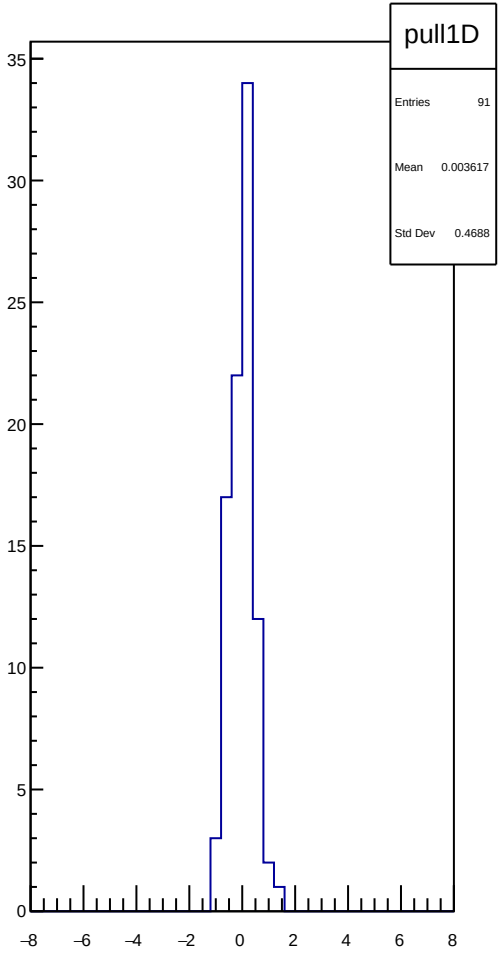

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.47 / 90
p0 23.55 ± 2.974
pull
Entries 91
Mean −350.9
Std Dev 431.3

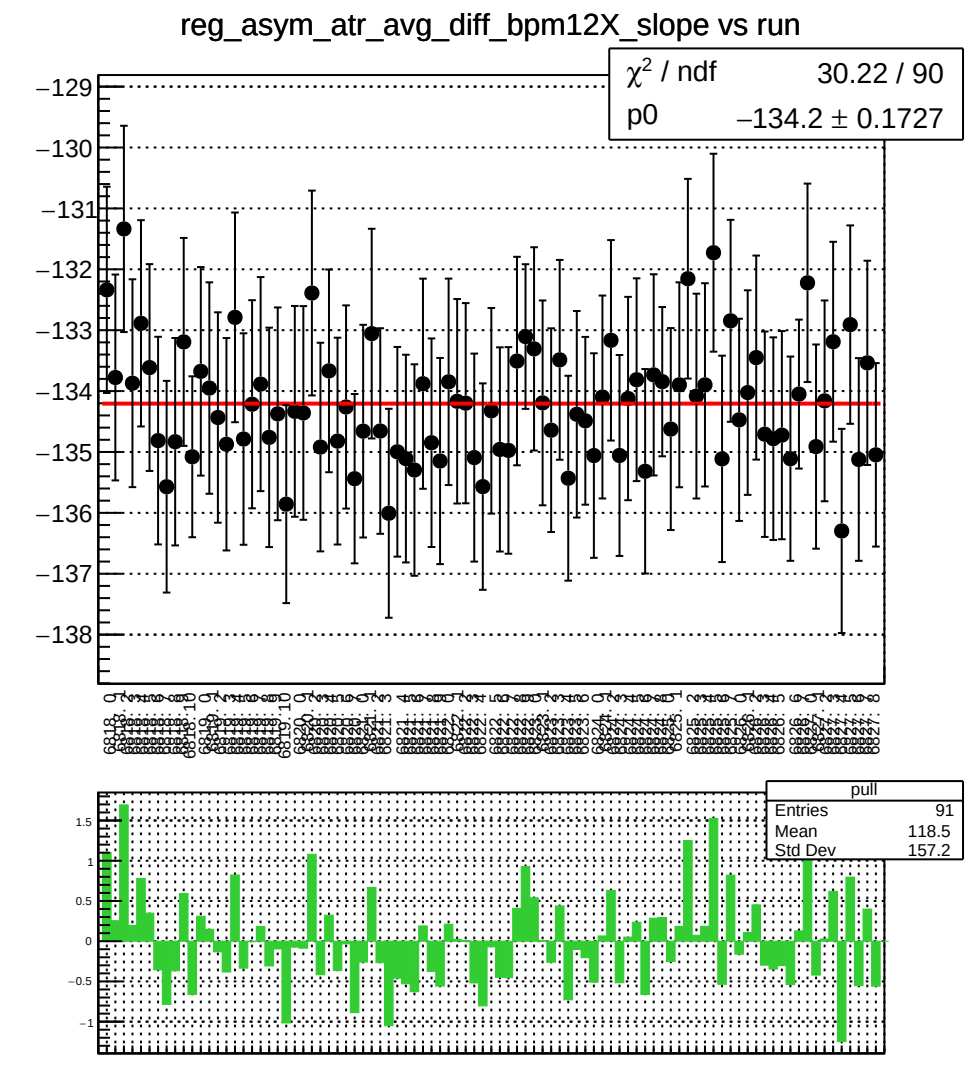

pull1D
Entries 91
Mean −0.001854
Std Dev 0.4625

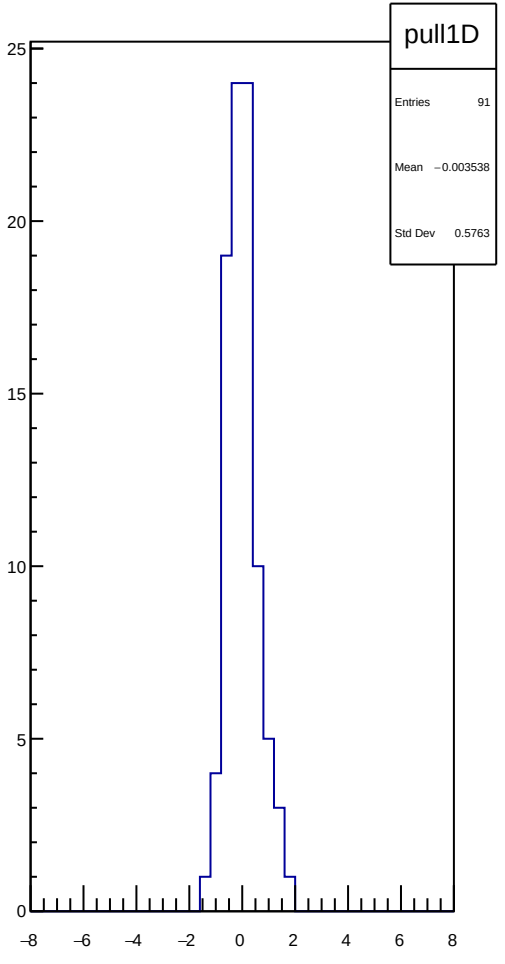

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.97 / 90
p0 289 ± 4.124
pull
Entries 91
Mean 209.4
Std Dev 171.7

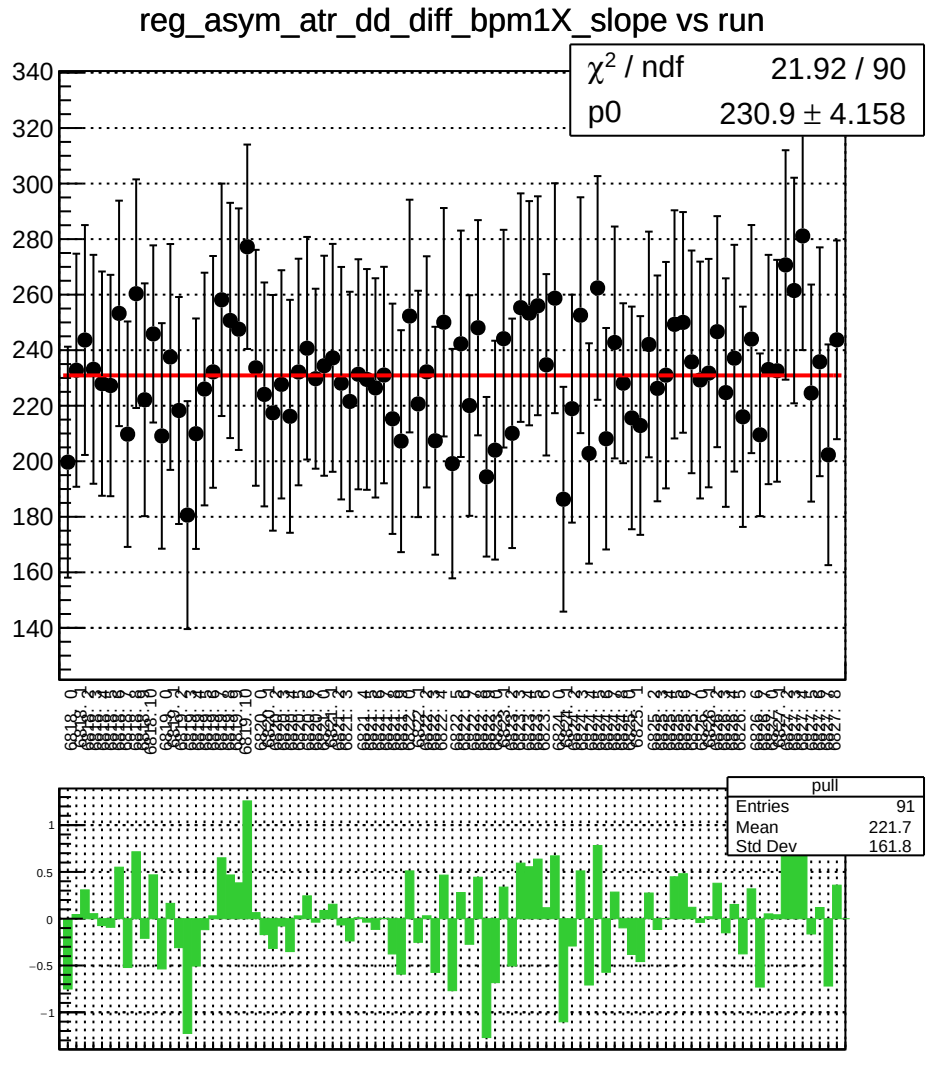

pull1D
Entries 91
Mean 0.008342
Std Dev 0.5444

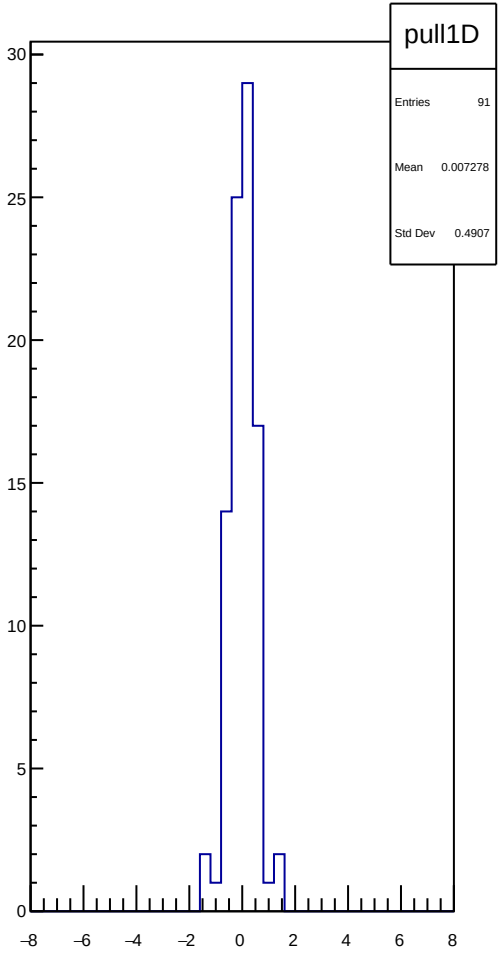

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 20 / 90
p0 27.11 ± 3.45
pull
Entries 91
Mean −290.2
Std Dev 355.2

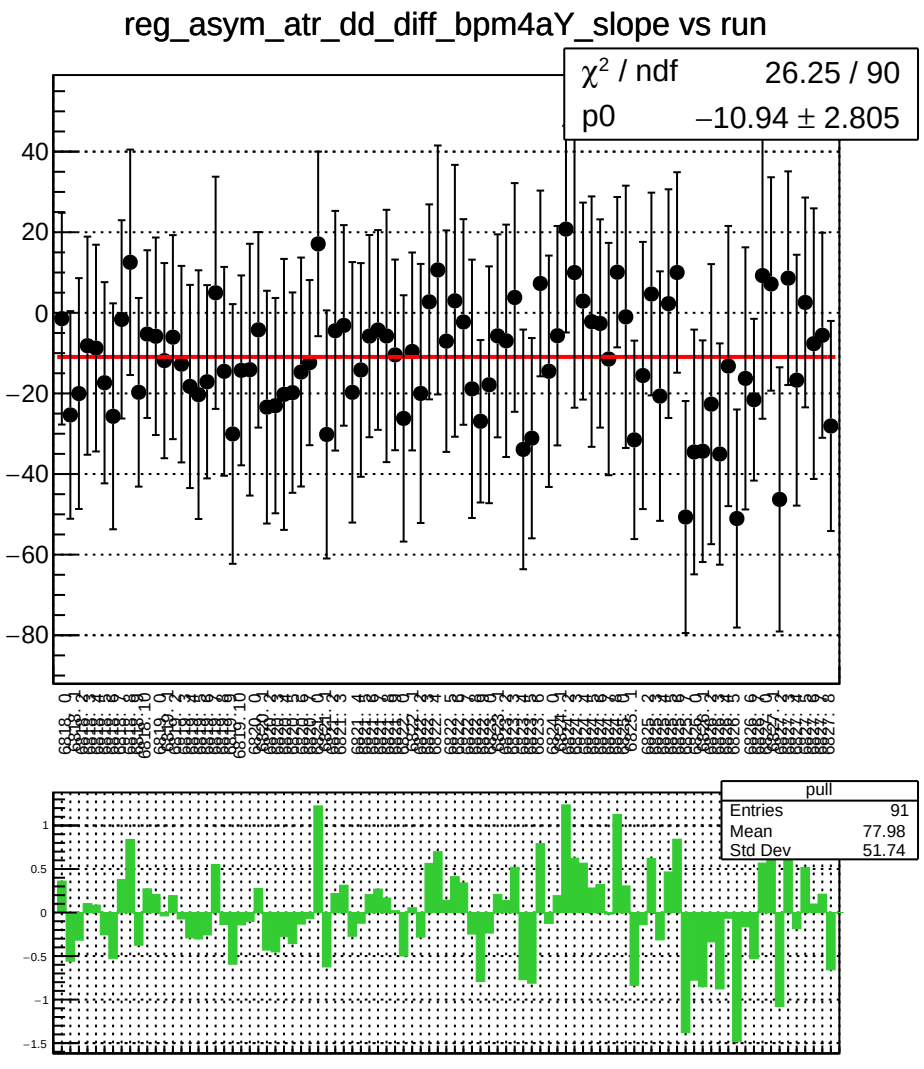

pull1D
Entries 91
Mean 0.003617
Std Dev 0.4688

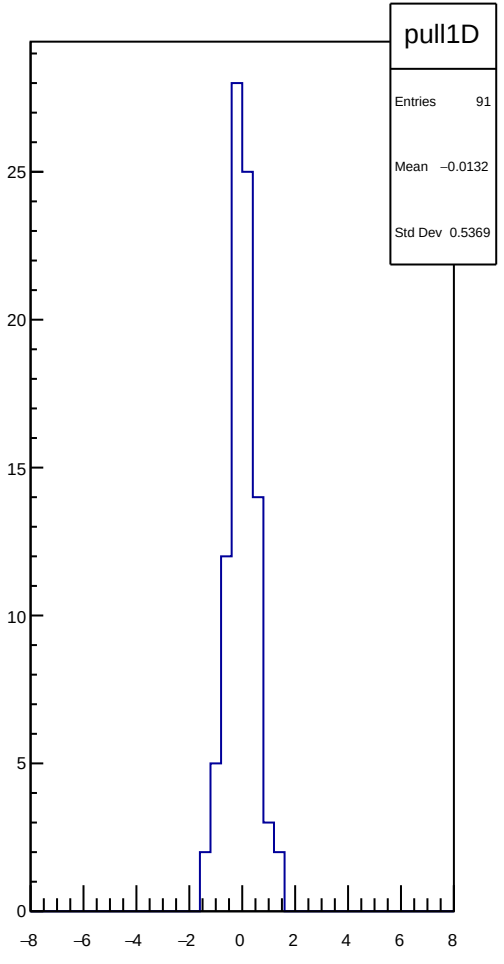

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 30.22 / 90
p0 −134.2 ± 0.1727
pull
Entries 91
Mean 118.5
Std Dev 157.2

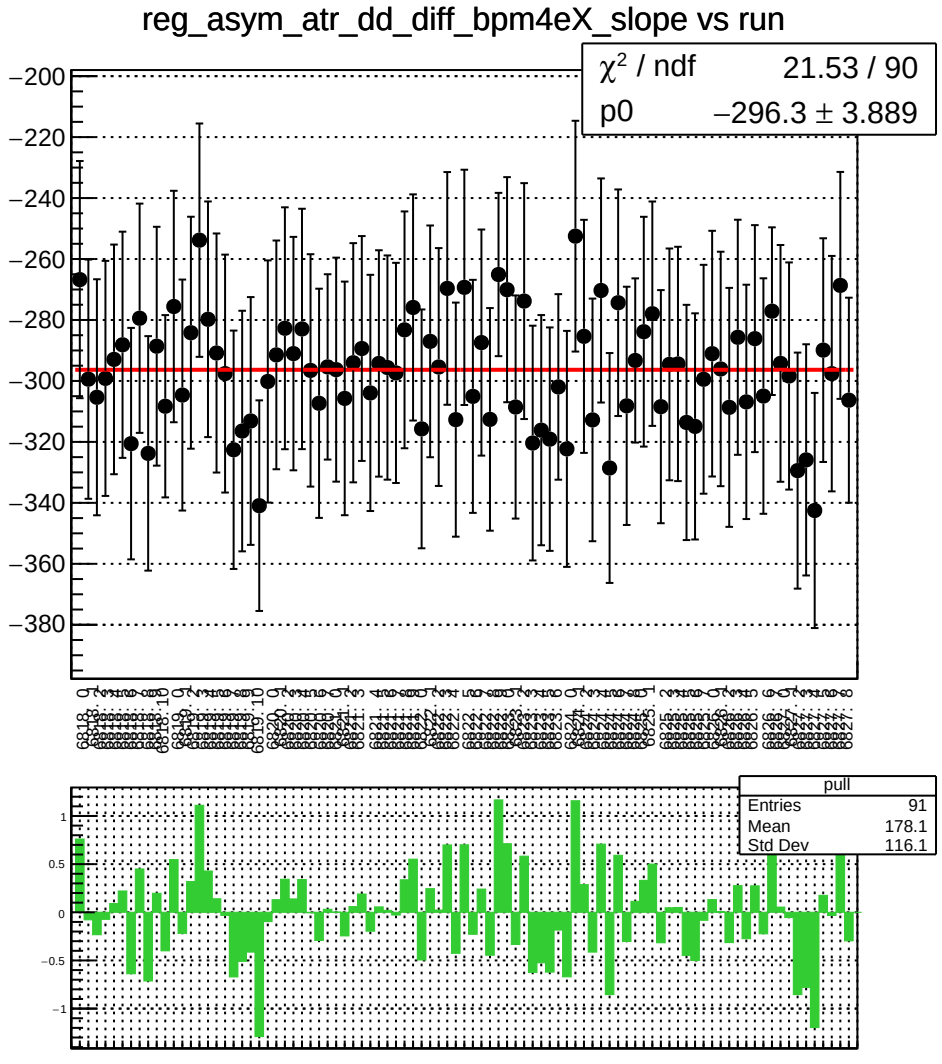

pull1D
Entries 91
Mean −0.003538
Std Dev 0.5763

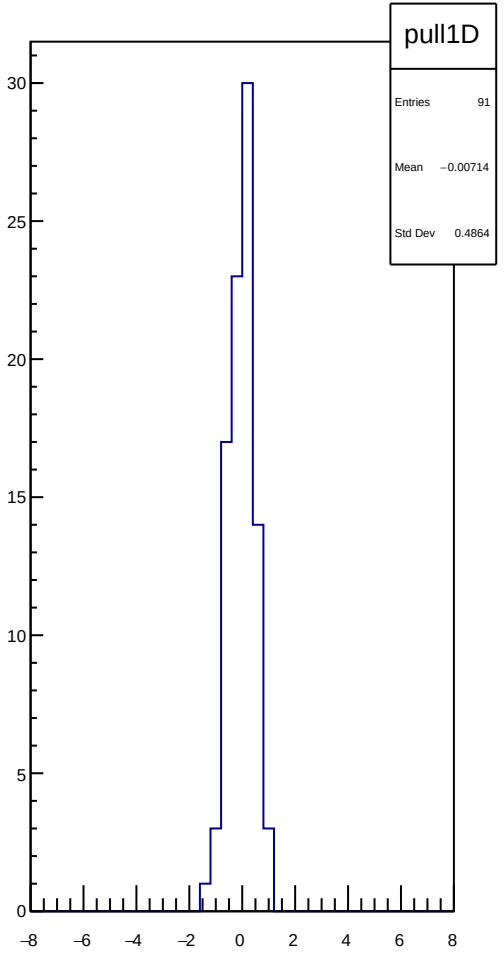

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 21.92 / 90
p0 230.9 ± 4.158
pull
Entries 91
Mean 221.7
Std Dev 161.8

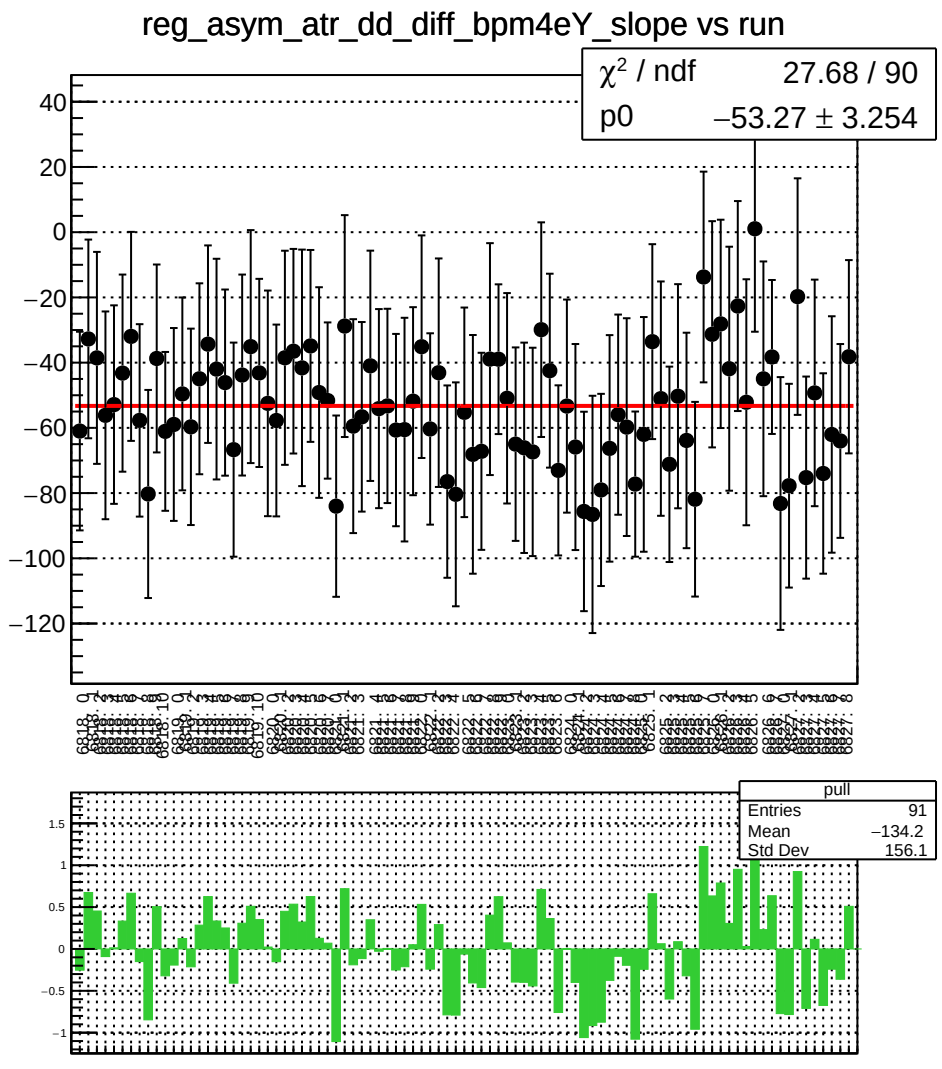

pull1D
Entries 91
Mean 0.007278
Std Dev 0.4907

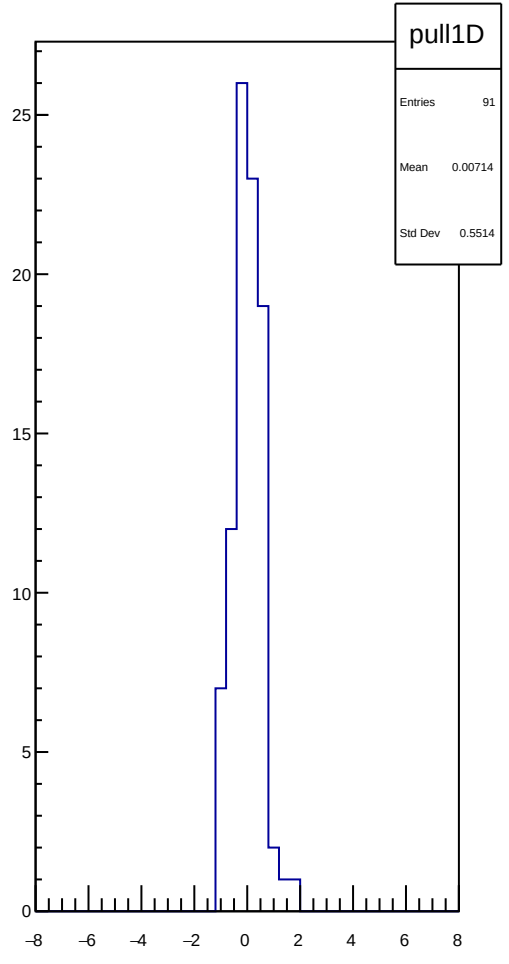

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.25 / 90
p0 −10.94 ± 2.805
pull
Entries 91
Mean 77.98
Std Dev 51.74

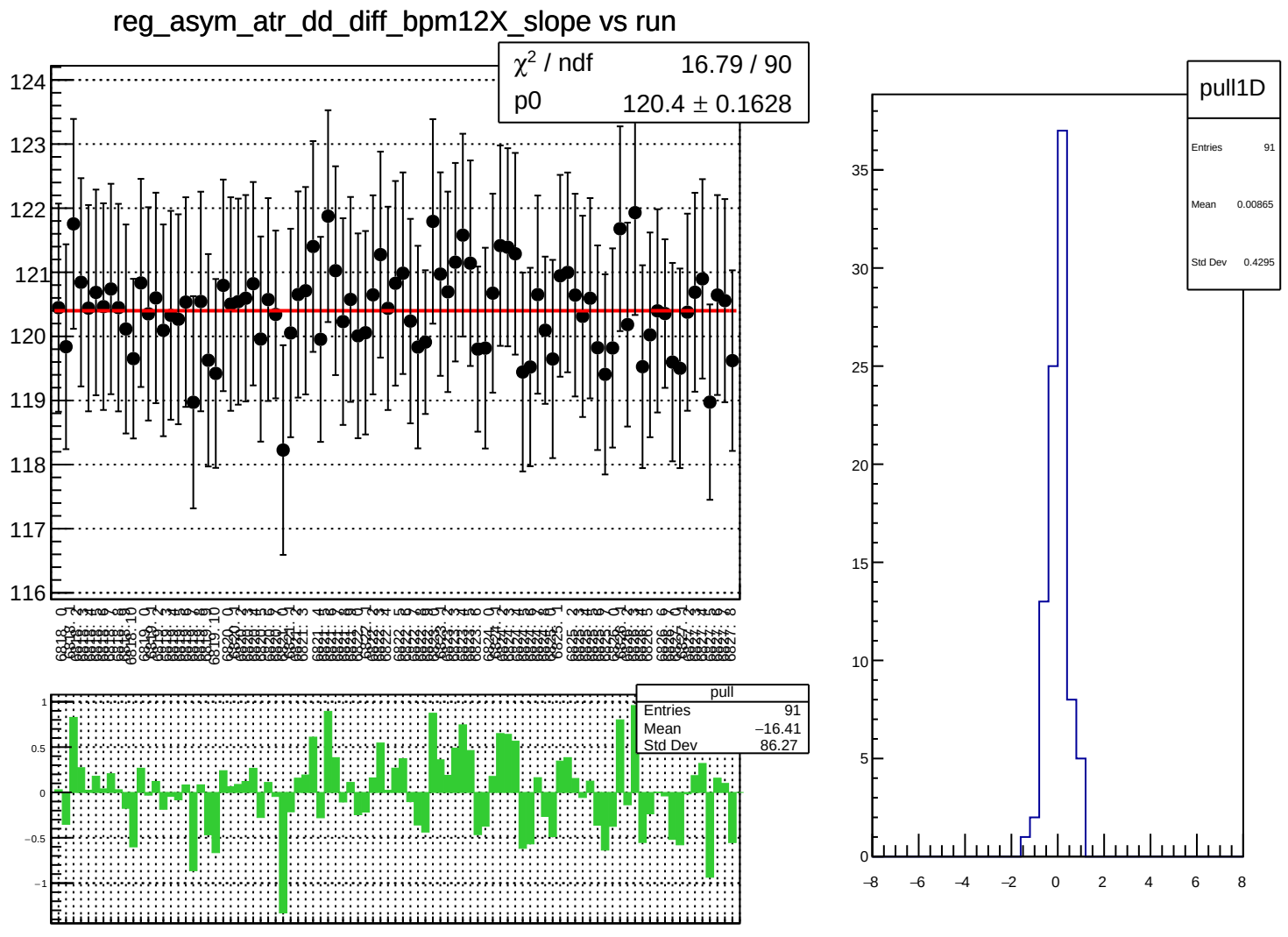

pull1D
Entries 91
Mean −0.0132
Std Dev 0.5369

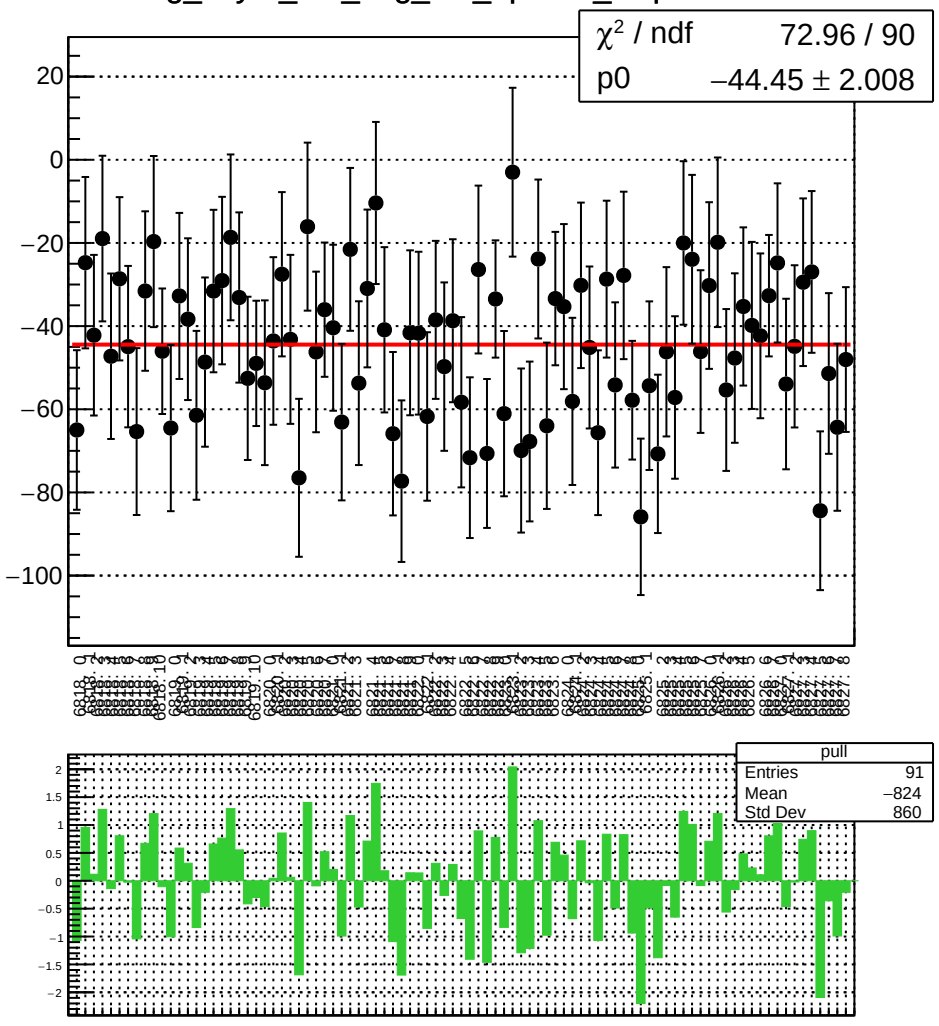

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.53 / 90
p0 −296.3 ± 3.889
pull
Entries 91
Mean 178.1
Std Dev 116.1

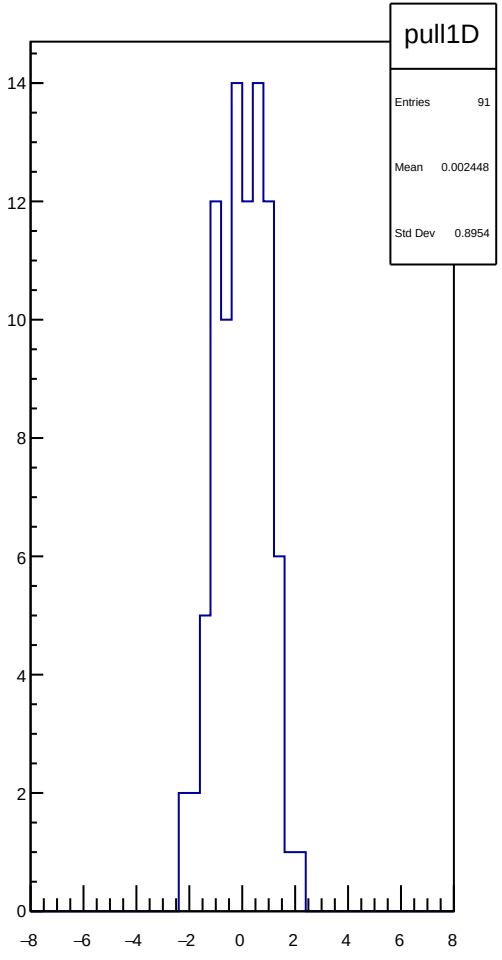

pull1D
Entries 91
Mean −0.00714
Std Dev 0.4864

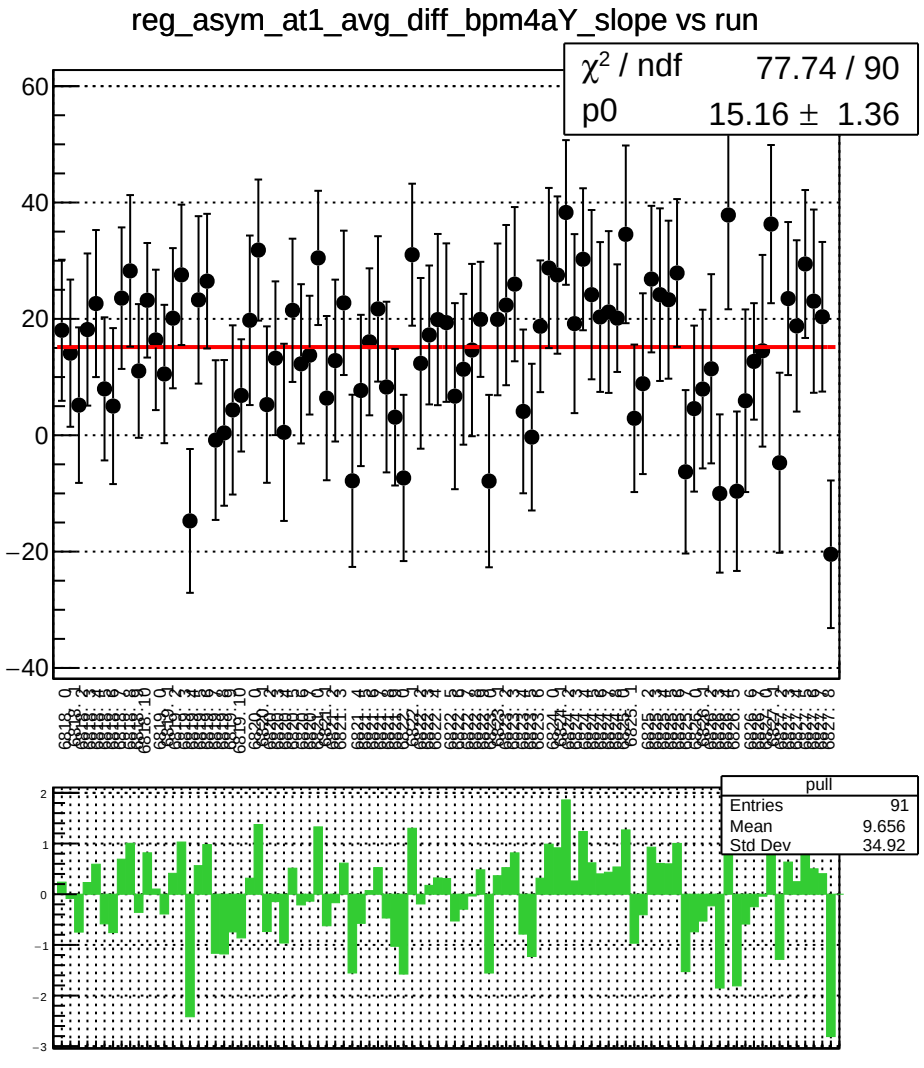

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.68 / 90
p0 −53.27 ± 3.254
pull
Entries 91
Mean −134.2
Std Dev 156.1

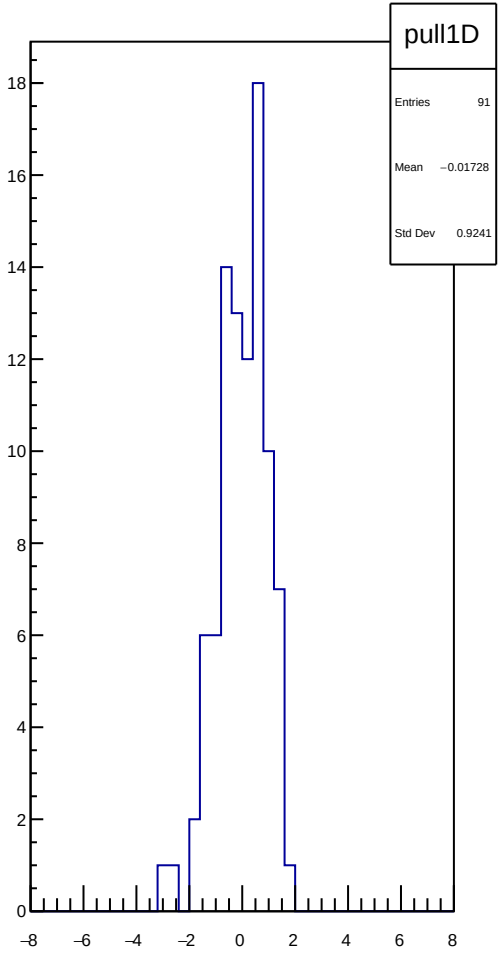

pull1D
Entries 91
Mean 0.00714
Std Dev 0.5514

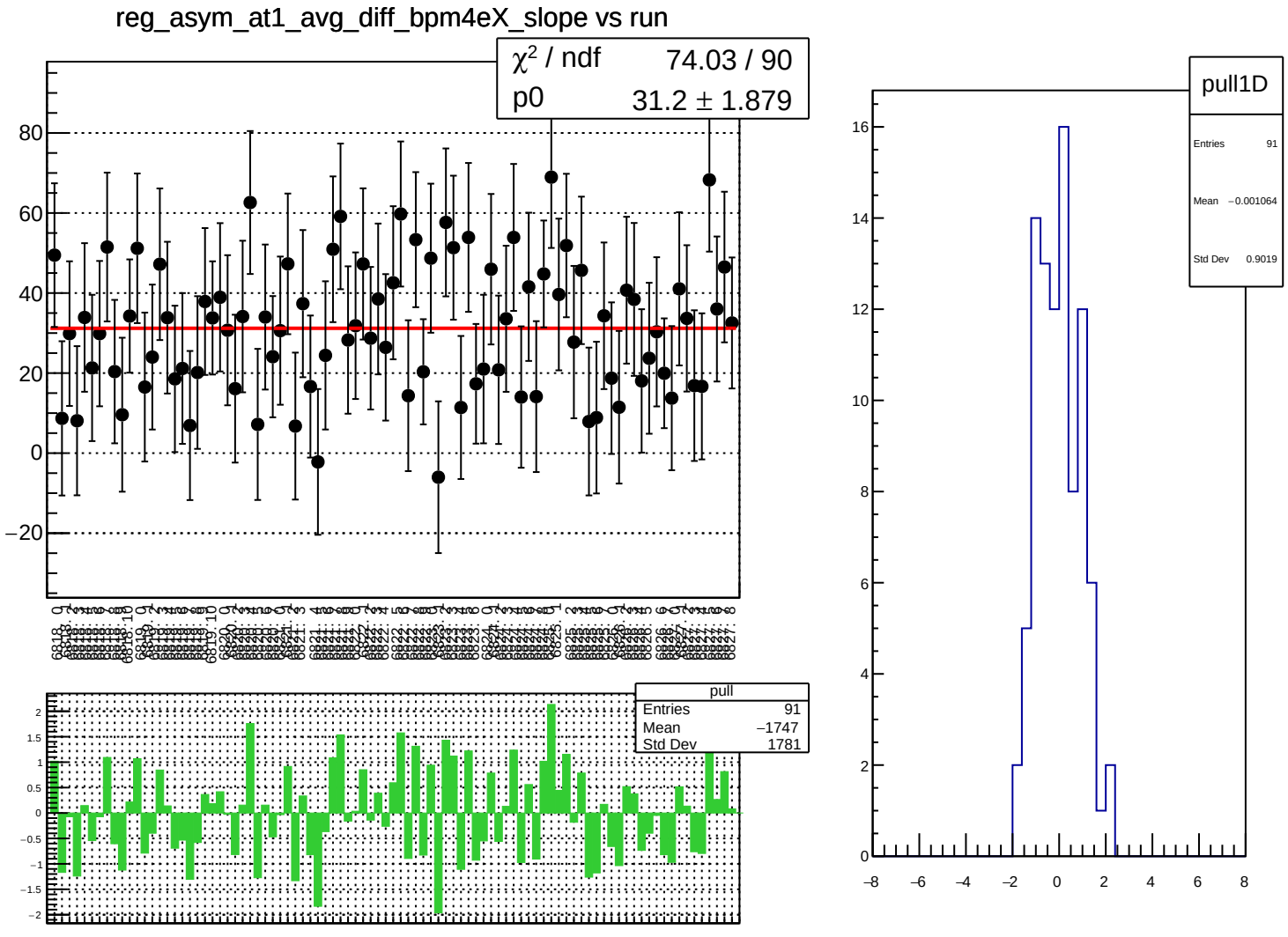

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 16.79 / 90
p0 120.4 ± 0.1628
pull
Entries 91
Mean −16.41
Std Dev 86.27
pull1D
Entries 91
Mean 0.00865
Std Dev 0.4295

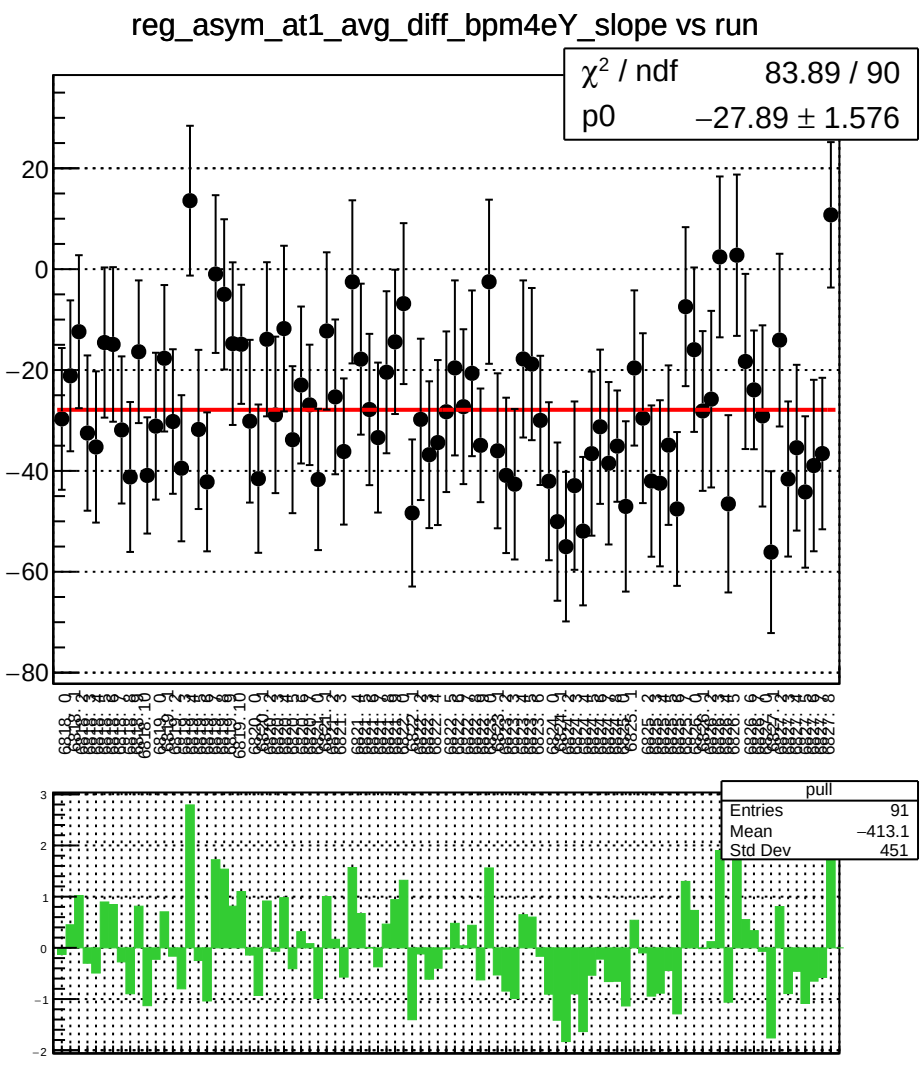

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 72.96 / 90
p0 −44.45 ± 2.008
pull
Entries 91
Mean −824
Std Dev 860

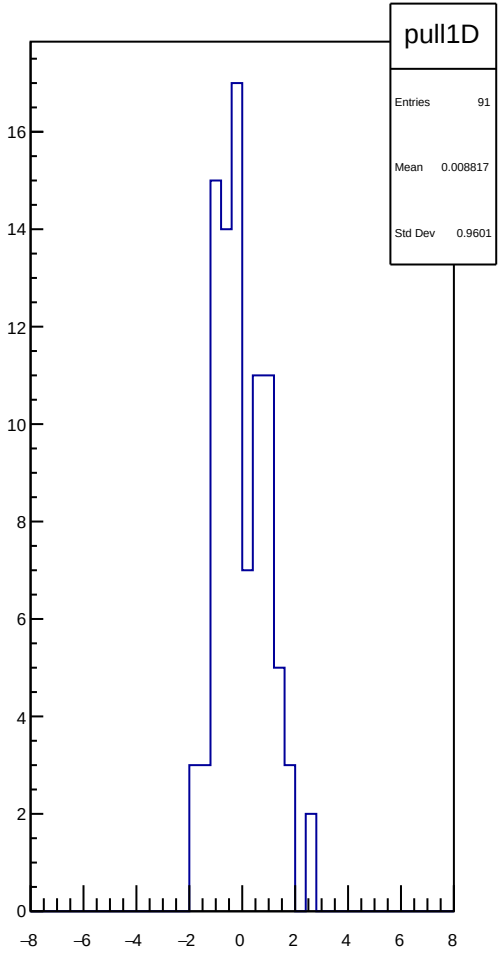

pull1D
Entries 91
Mean 0.002448
Std Dev 0.8954

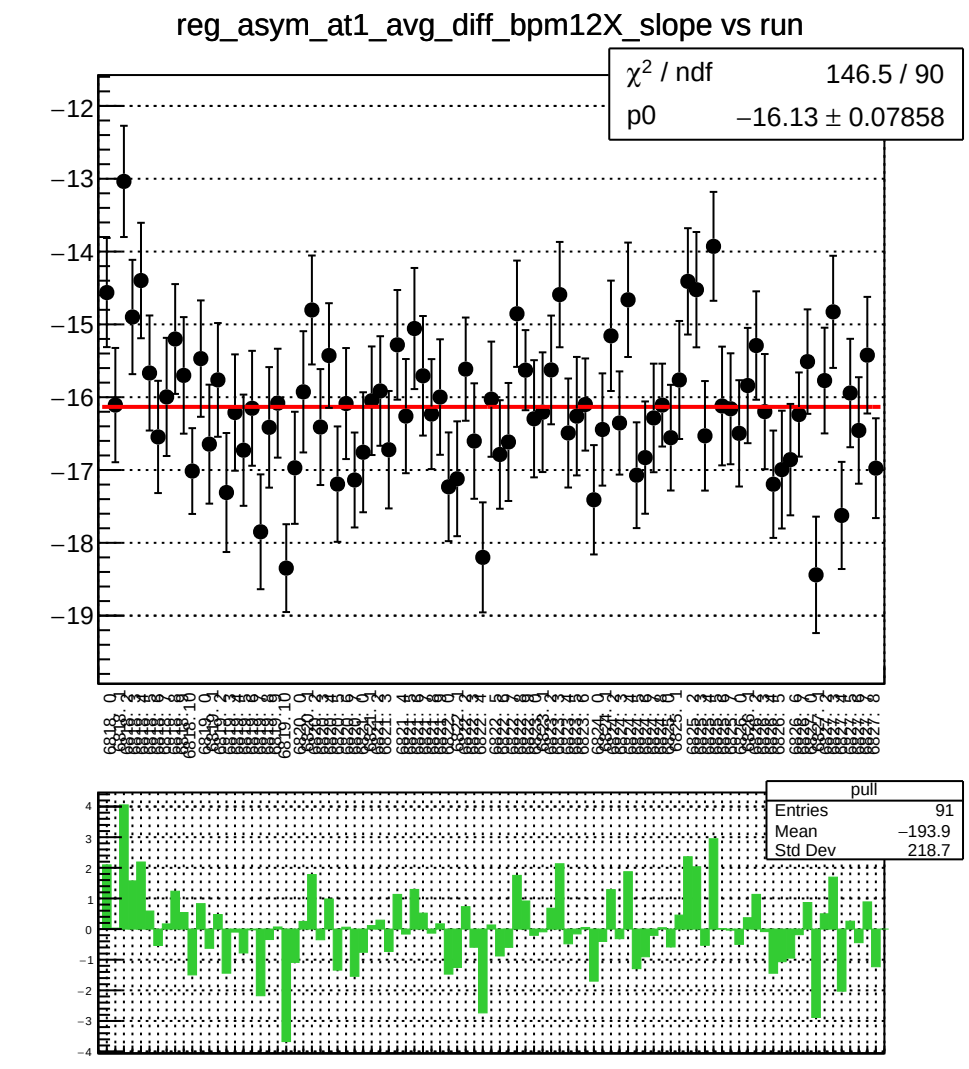

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 77.74 / 90
p0 15.16 ± 1.36
pull
Entries 91
Mean 9.656
Std Dev 34.92

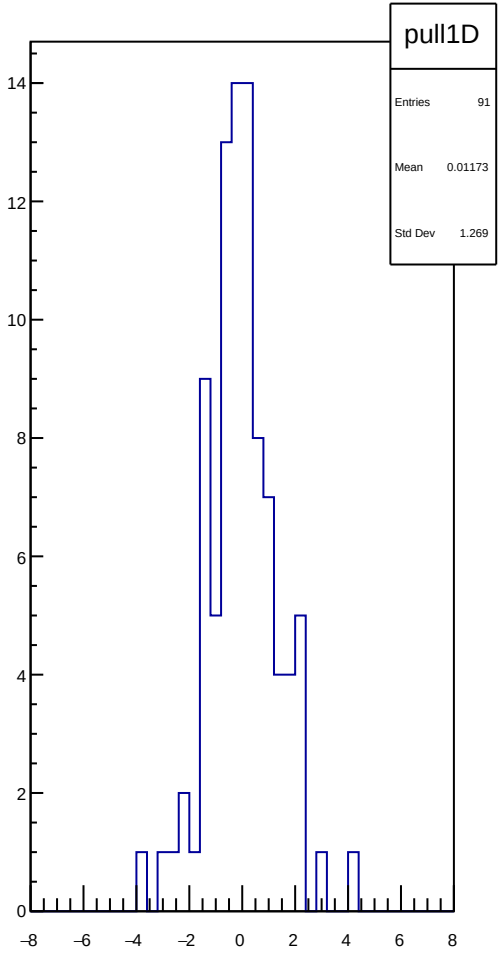

pull1D
Entries 91
Mean −0.01728
Std Dev 0.9241

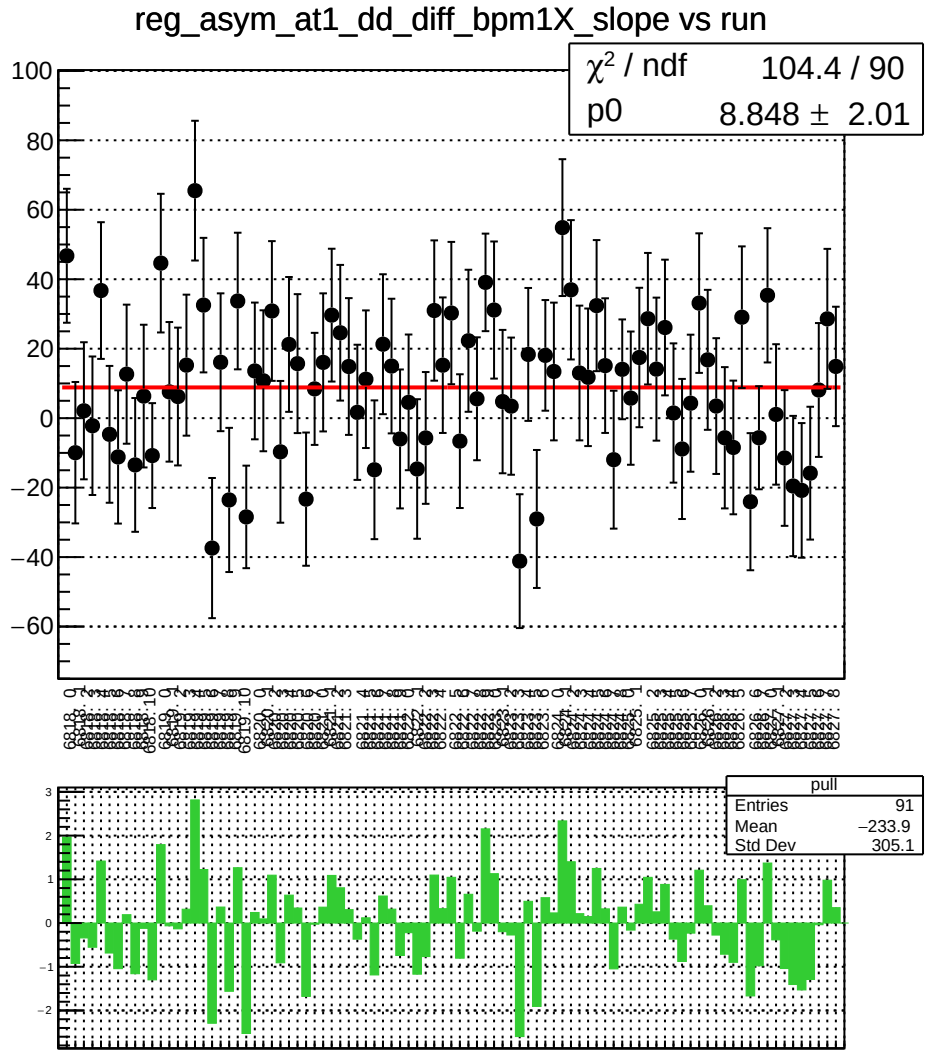

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 74.03 / 90
p0 31.2 ± 1.879
pull
Entries 91
Mean −1747
Std Dev 1781
pull1D
Entries 91
Mean −0.001064
Std Dev 0.9019

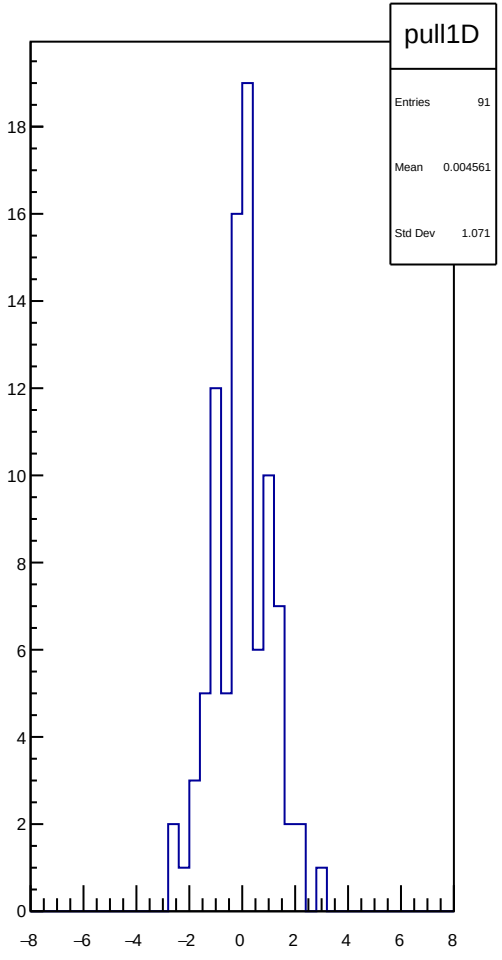

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 83.89 / 90
p0 −27.89 ± 1.576
pull
Entries 91
Mean −413.1
Std Dev 451

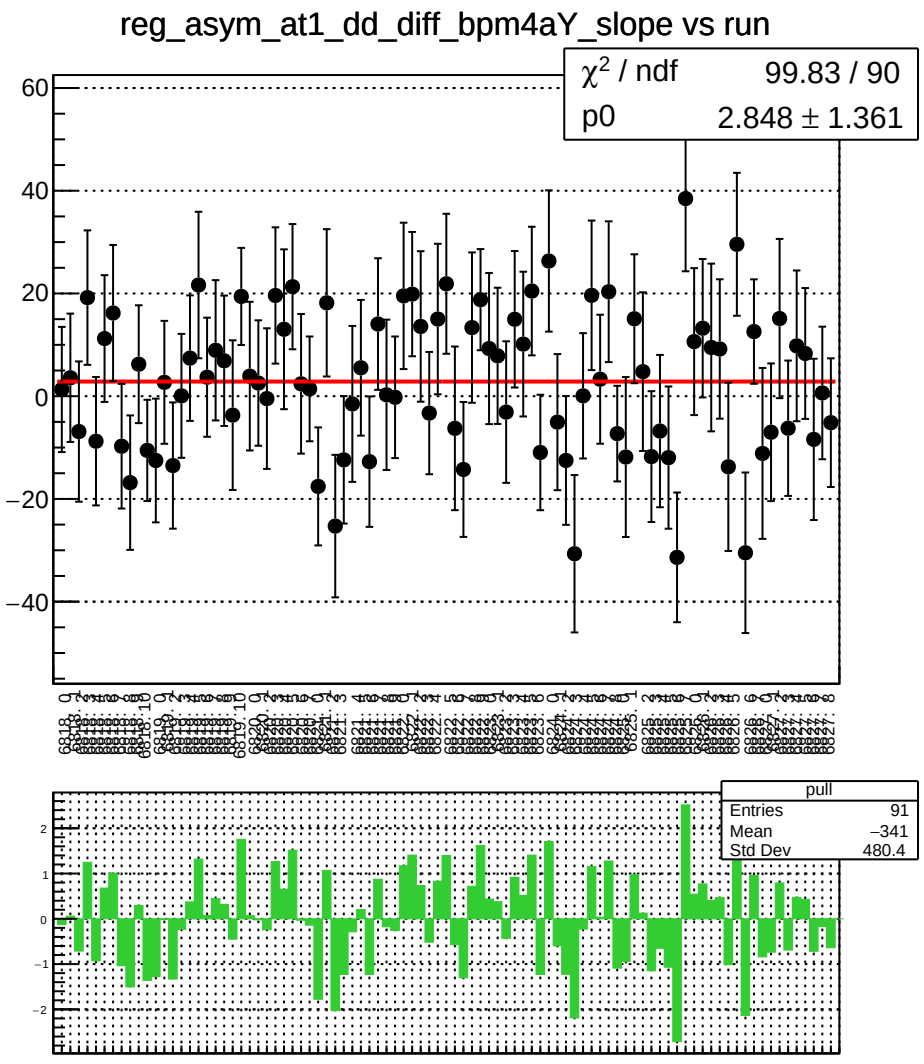

pull1D
Entries 91
Mean 0.008817
Std Dev 0.9601

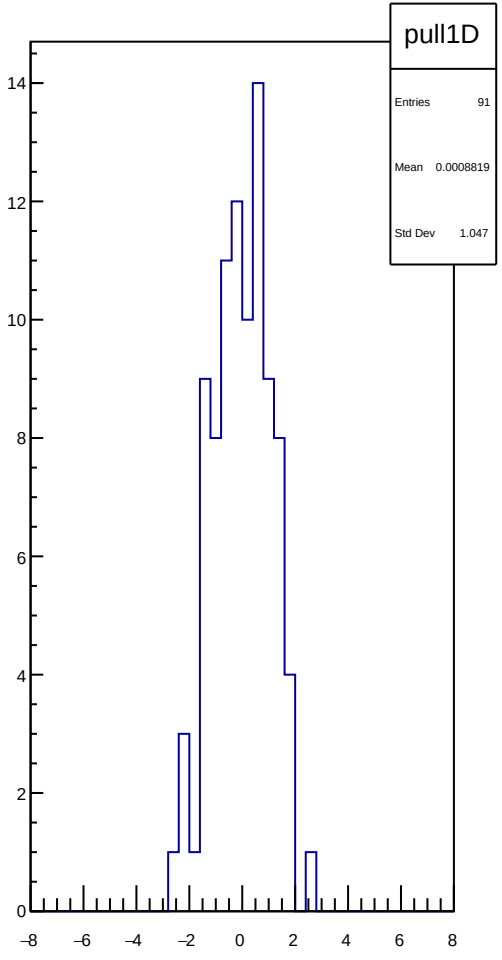

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 146.5 / 90
p0 −16.13 ± 0.07858
pull
Entries 91
Mean −193.9
Std Dev 218.7

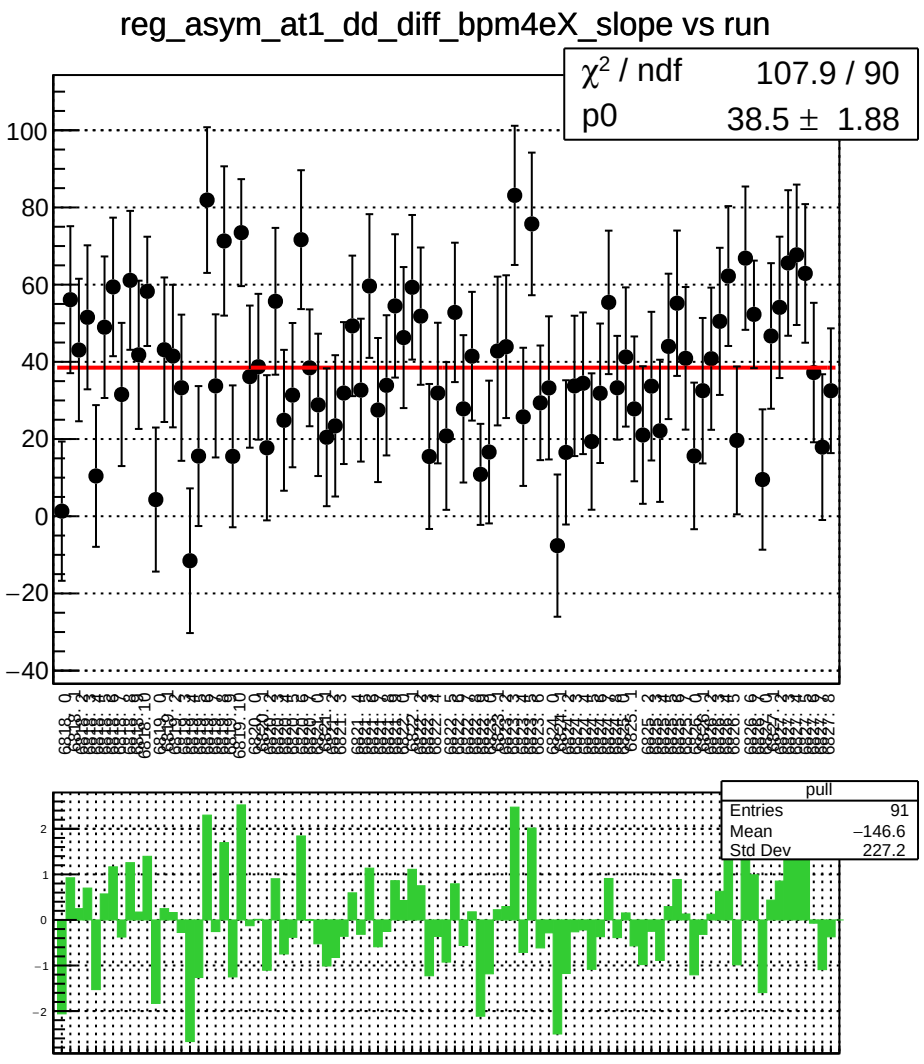

pull1D
Entries 91
Mean 0.01173
Std Dev 1.269

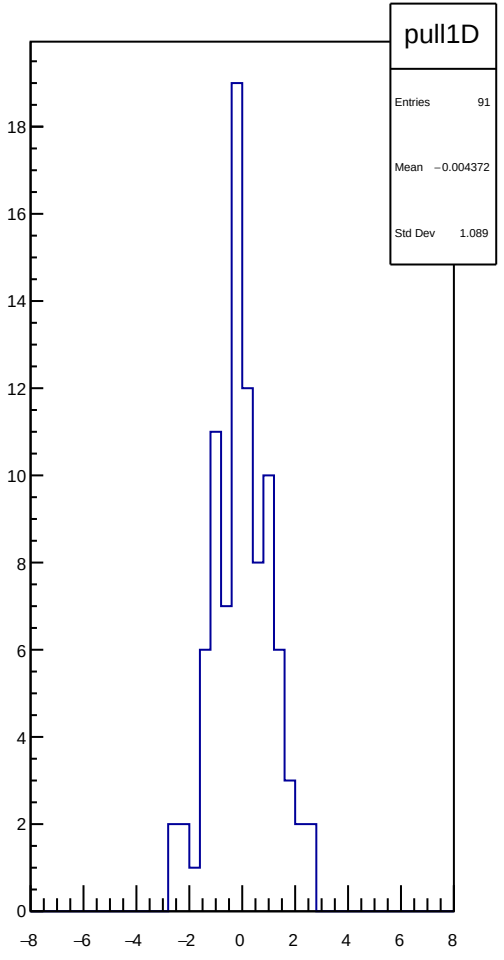

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 104.4 / 90
p0 8.848 ± 2.01
pull
Entries 91
Mean −233.9
Std Dev 305.1

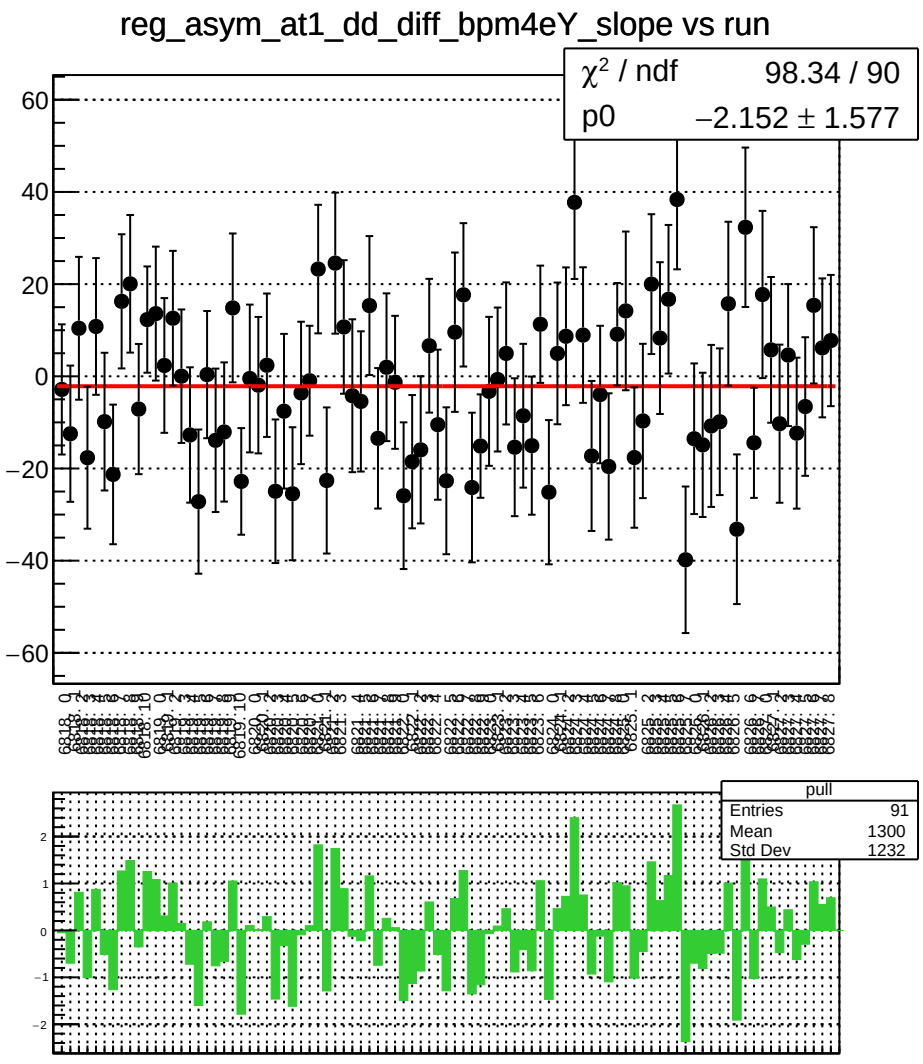

pull1D
Entries 91
Mean 0.004561
Std Dev 1.071

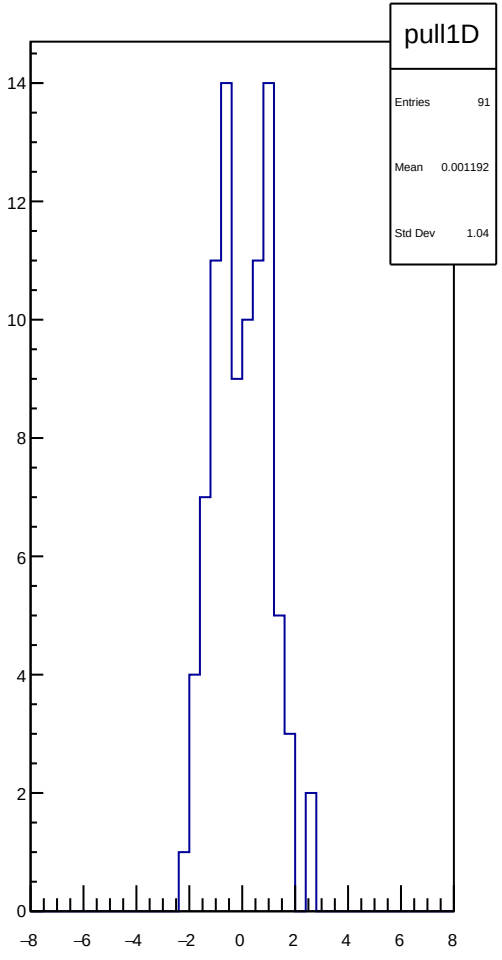

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 99.83 / 90
p0 2.848 ± 1.361
pull
Entries 91
Mean −341
Std Dev 480.4

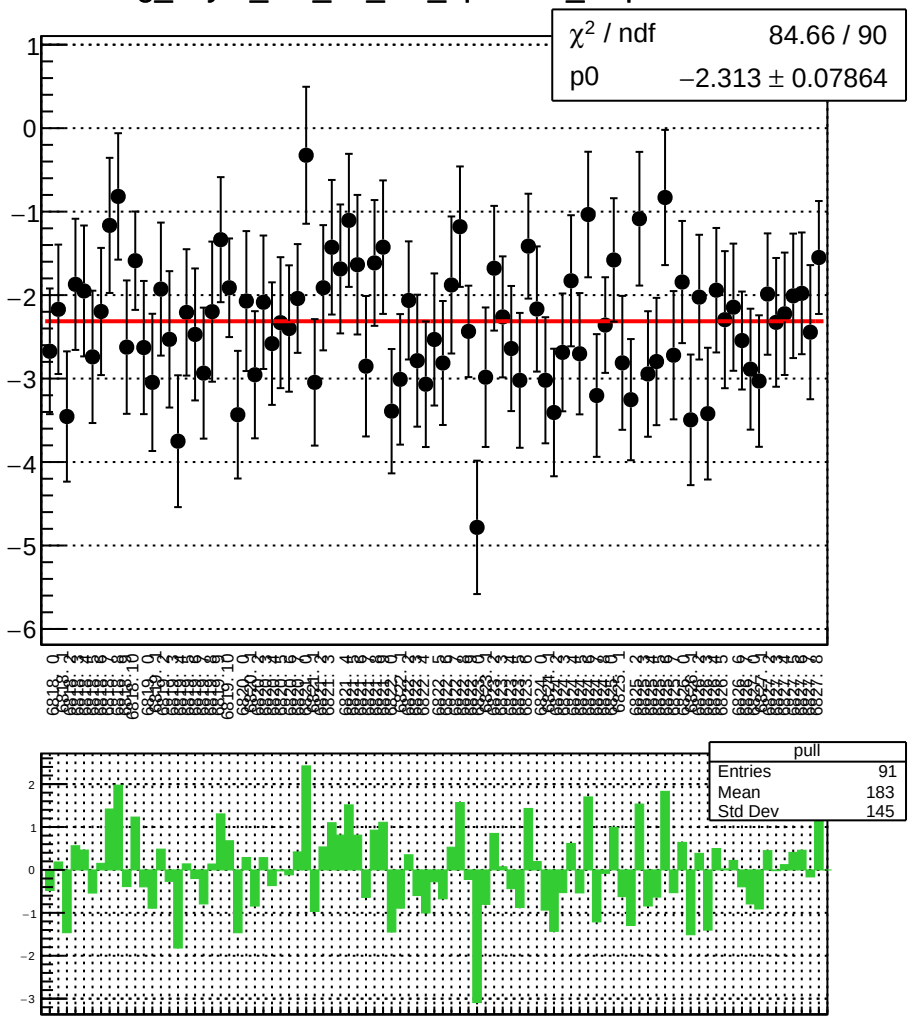

pull1D
Entries 91
Mean 0.0008819
Std Dev 1.047

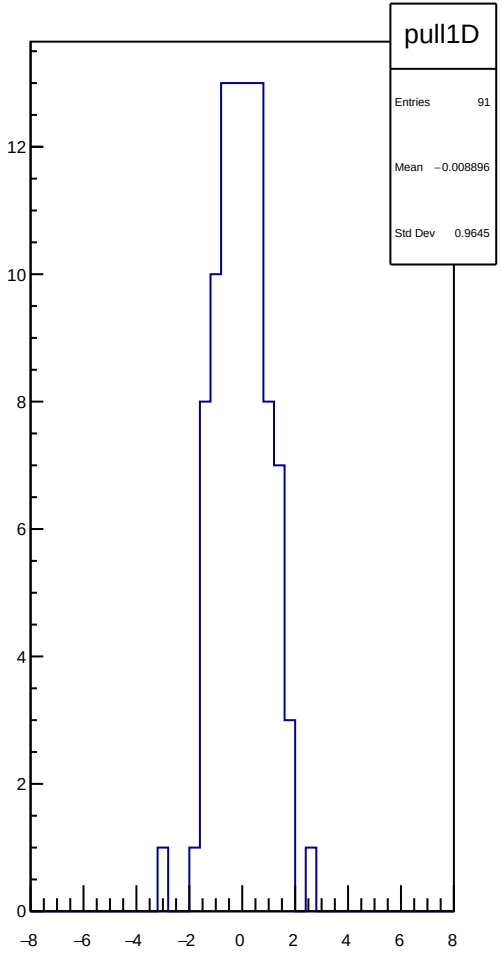

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 107.9 / 90
p0 38.5 ± 1.88
pull
Entries 91
Mean −146.6
Std Dev 227.2

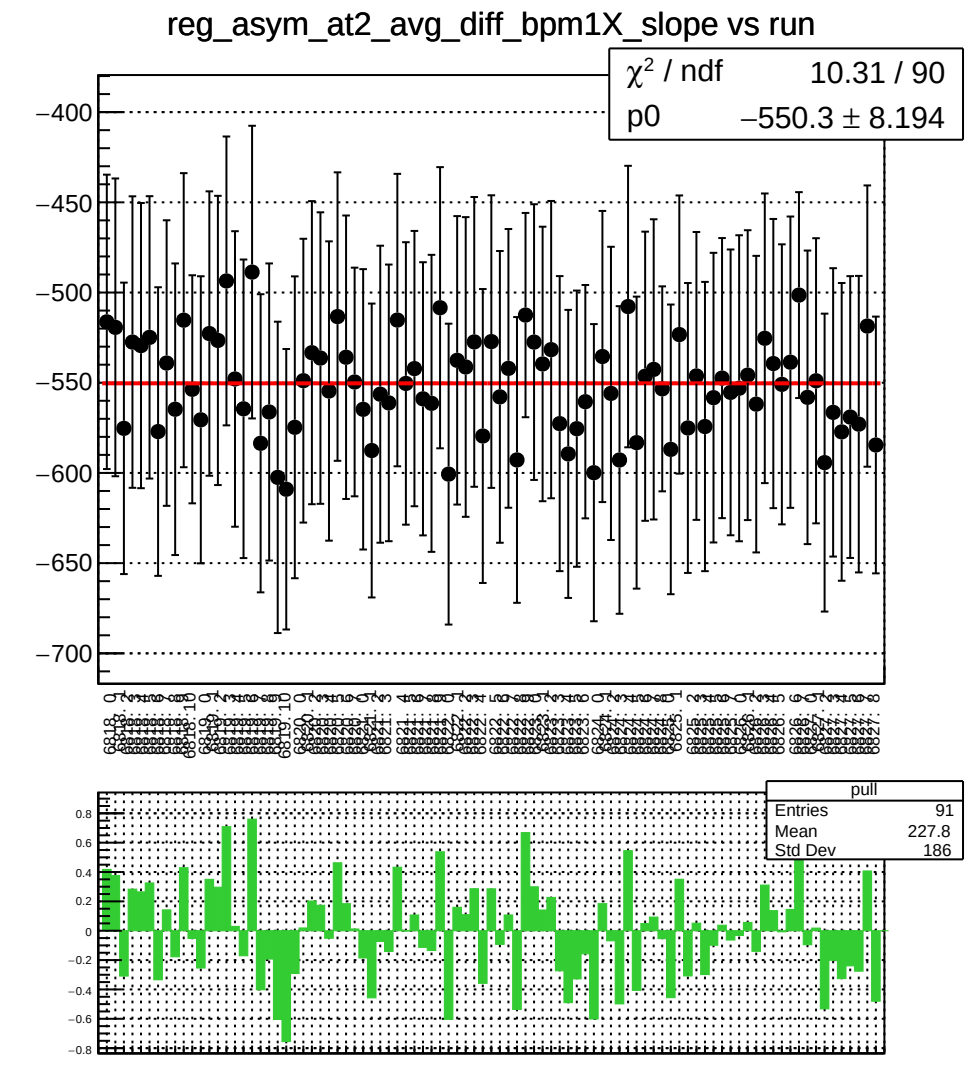

pull1D
Entries 91
Mean −0.004372
Std Dev 1.089

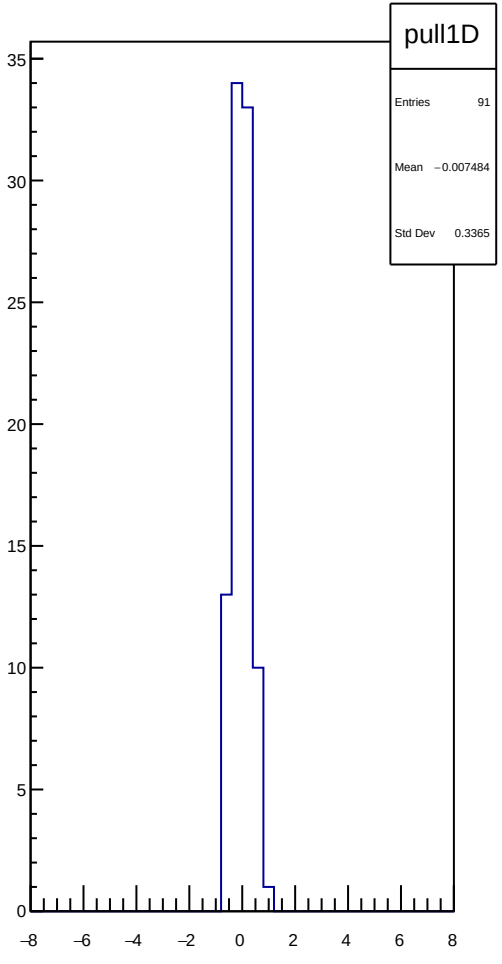

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 98.34 / 90
p0 −2.152 ± 1.577
pull
Entries 91
Mean 1300
Std Dev 1232

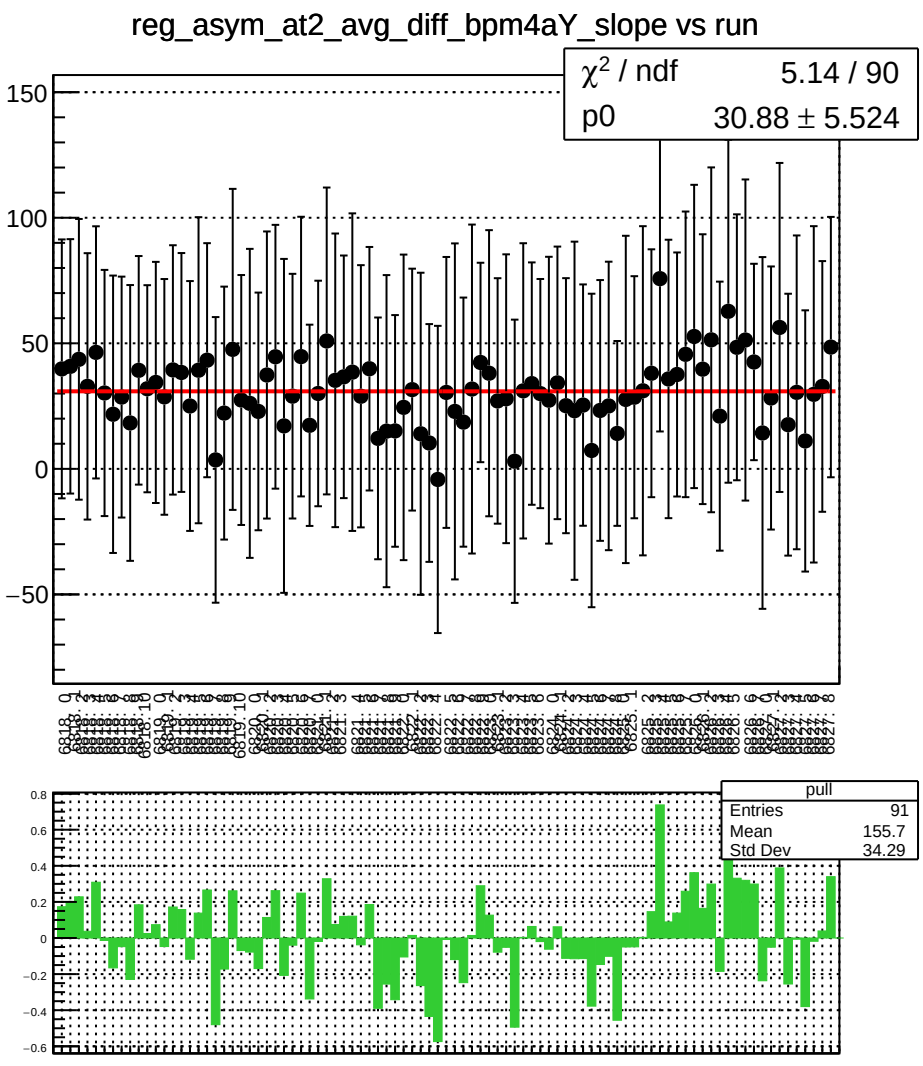

pull1D
Entries 91
Mean 0.001192
Std Dev 1.04

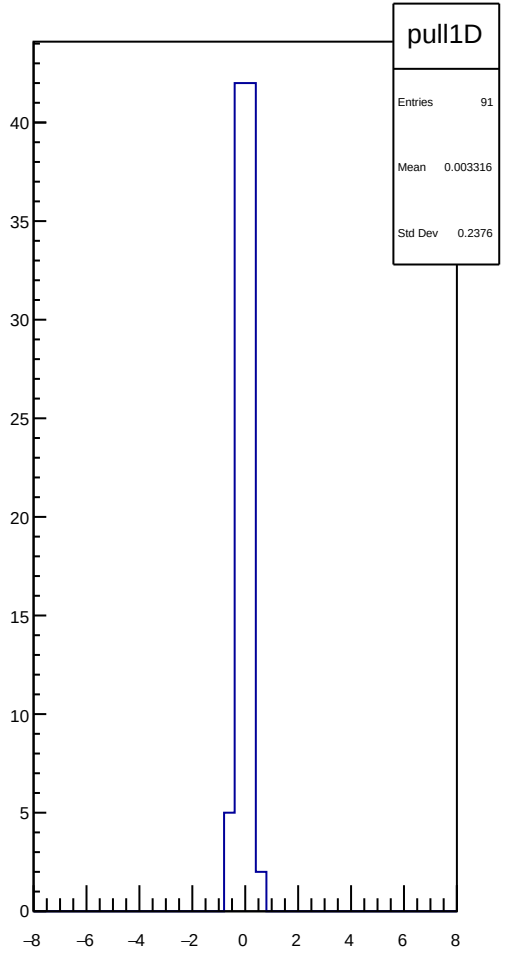

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 84.66 / 90
p0 −2.313 ± 0.07864
pull
Entries 91
Mean 183
Std Dev 145

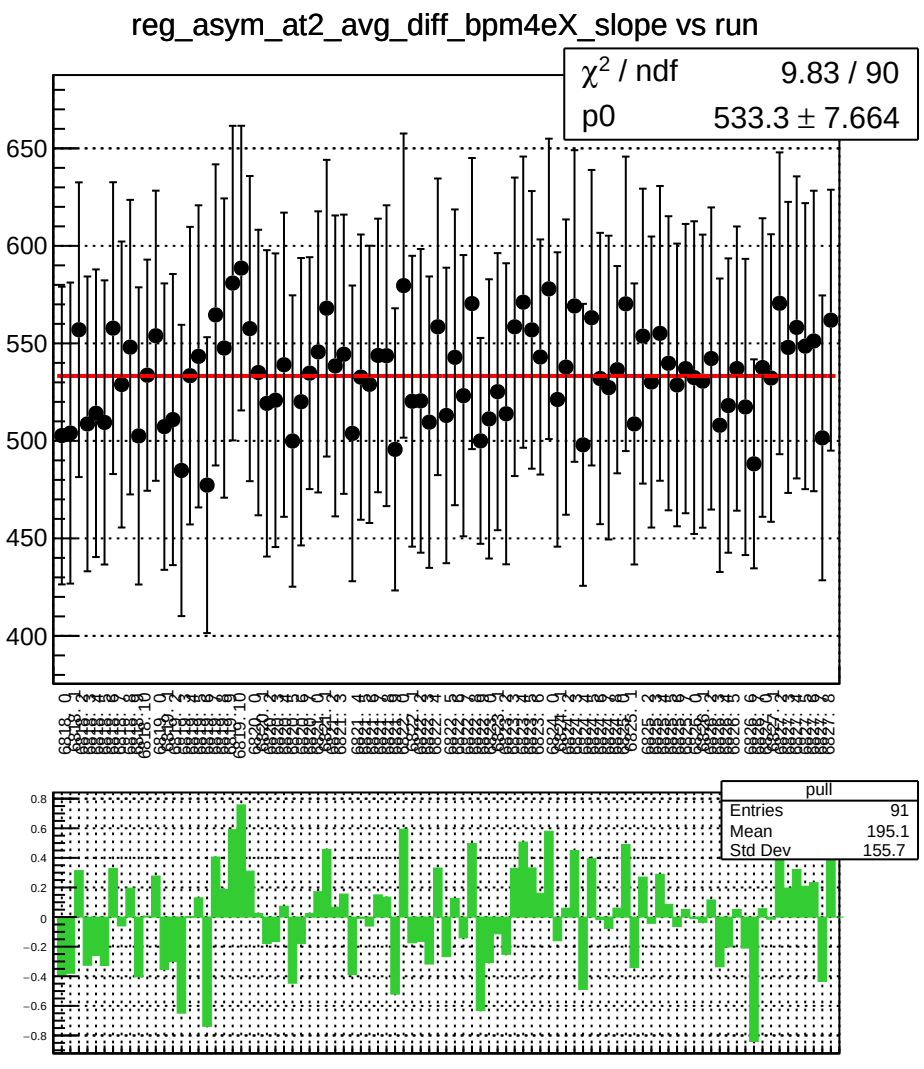

pull1D
Entries 91
Mean −0.008896
Std Dev 0.9645

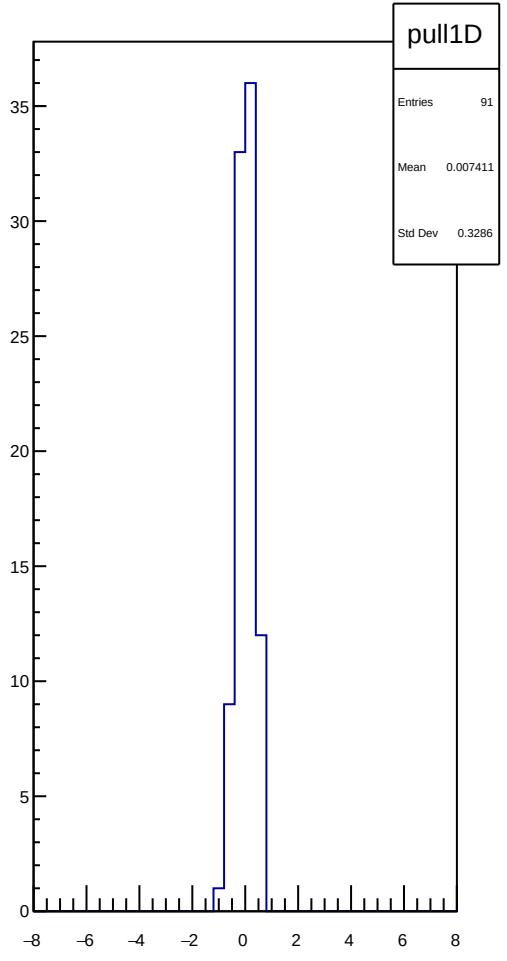

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 10.31 / 90
p0 −550.3 ± 8.194
pull
Entries 91
Mean 227.8
Std Dev 186

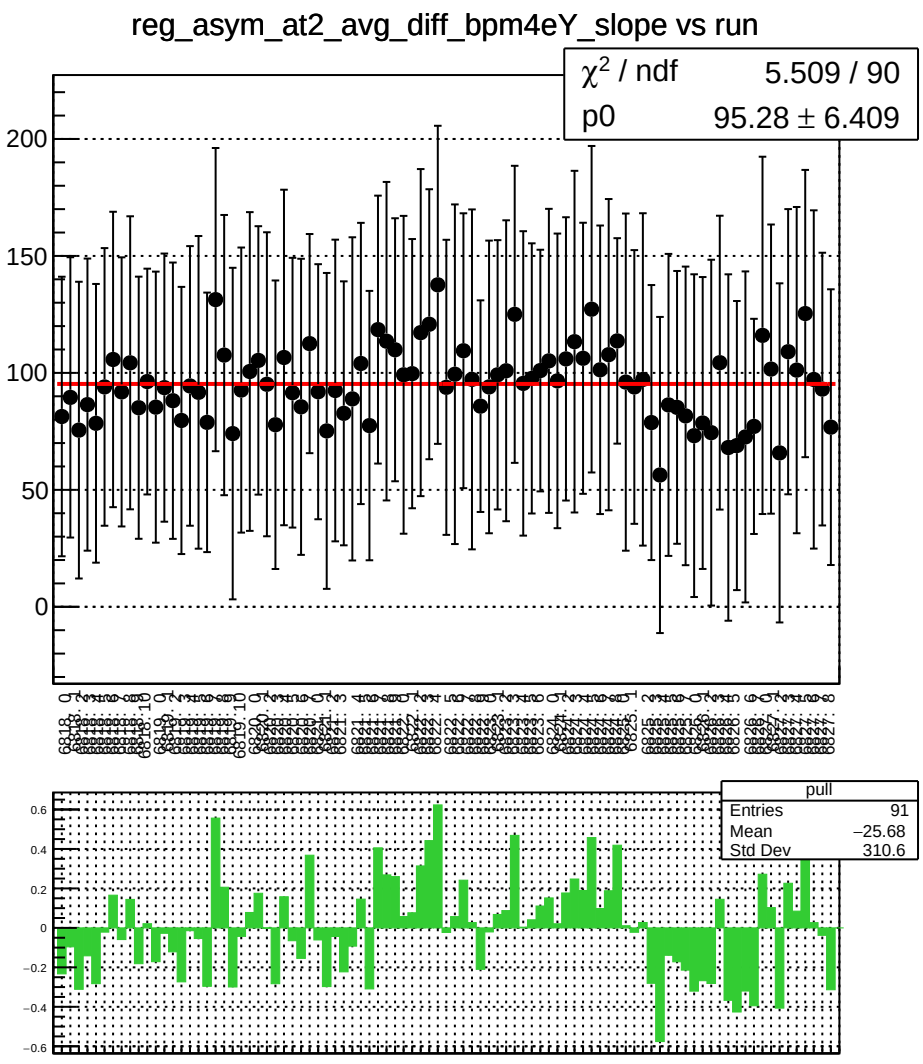

pull1D
Entries 91
Mean −0.007484
Std Dev 0.3365

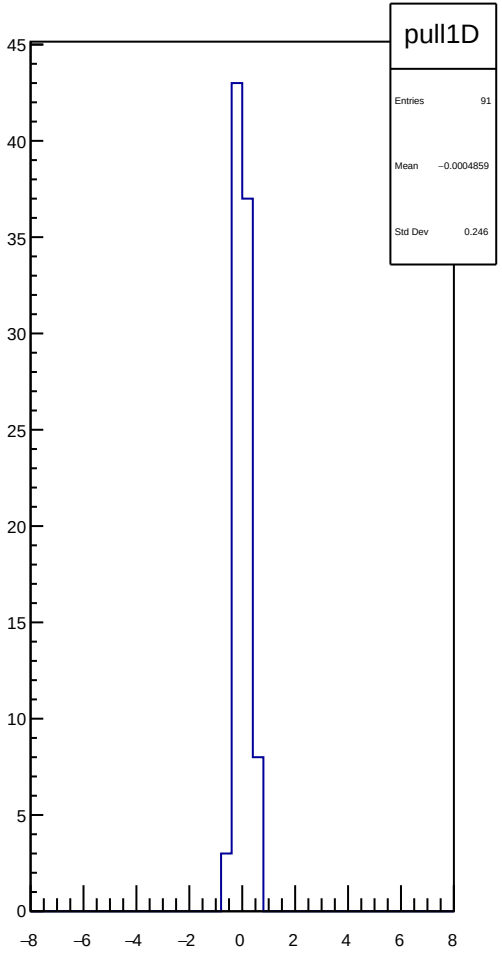

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.14 / 90
p0 30.88 ± 5.524
150
100
50
0
−50
pull
Entries 91
Mean 155.7
Std Dev 34.29
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

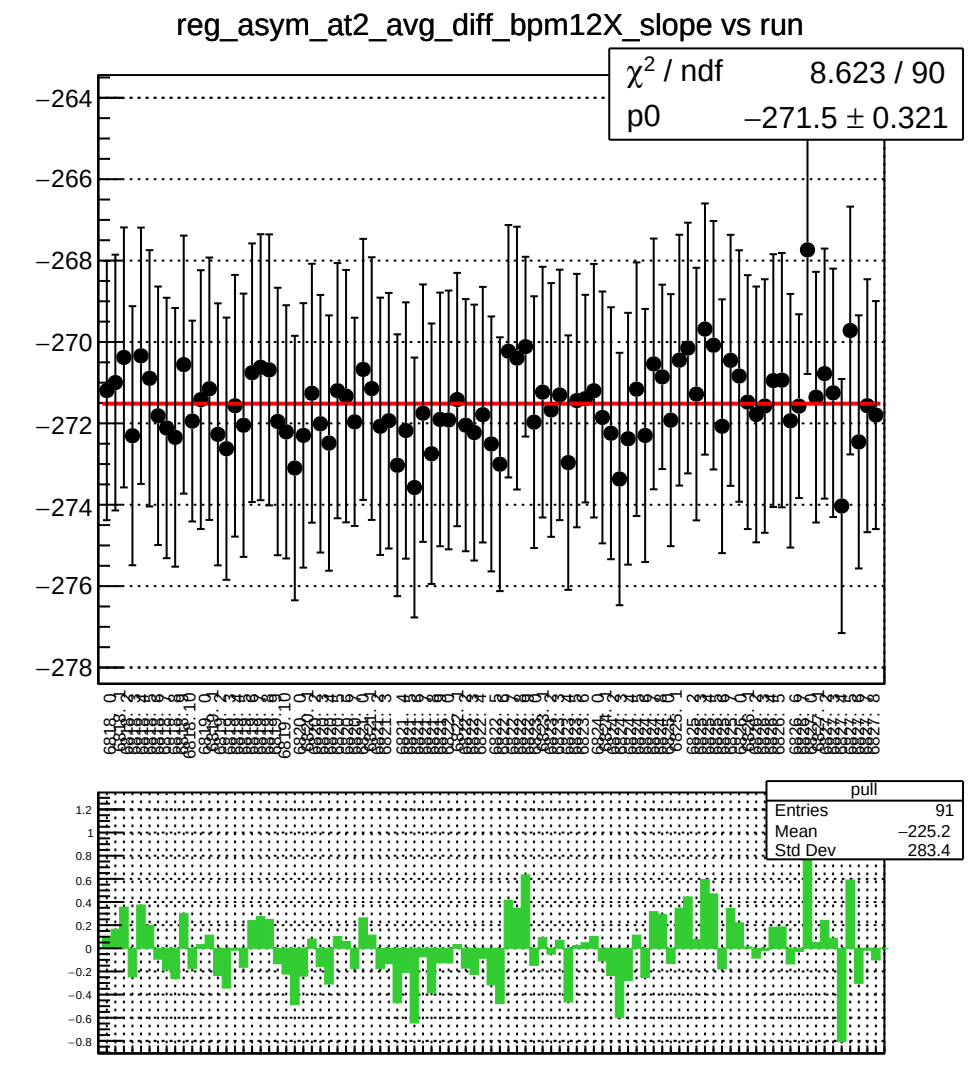

pull1D
Entries 91
Mean 0.003316
Std Dev 0.2376
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

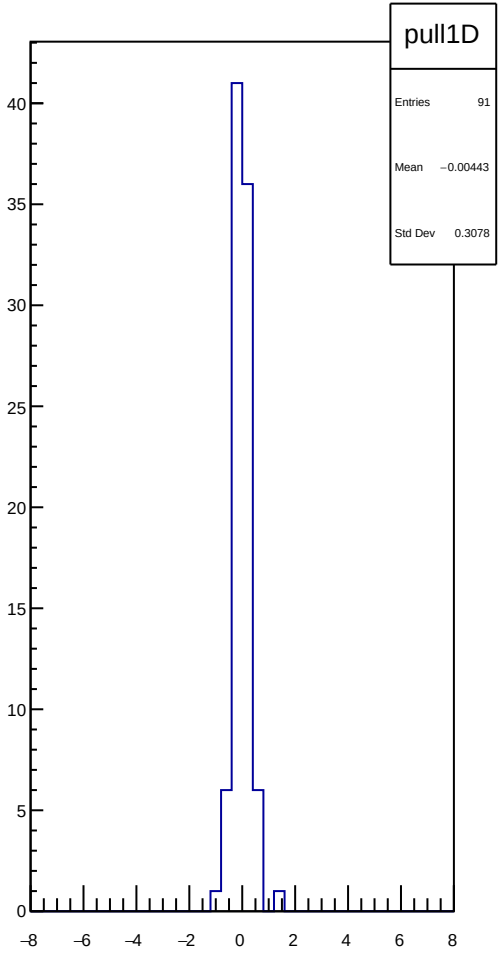

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.83 / 90
p0 533.3 ± 7.664
650
600
550
500
450
400
pull
Entries 91
Mean 195.1
Std Dev 155.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

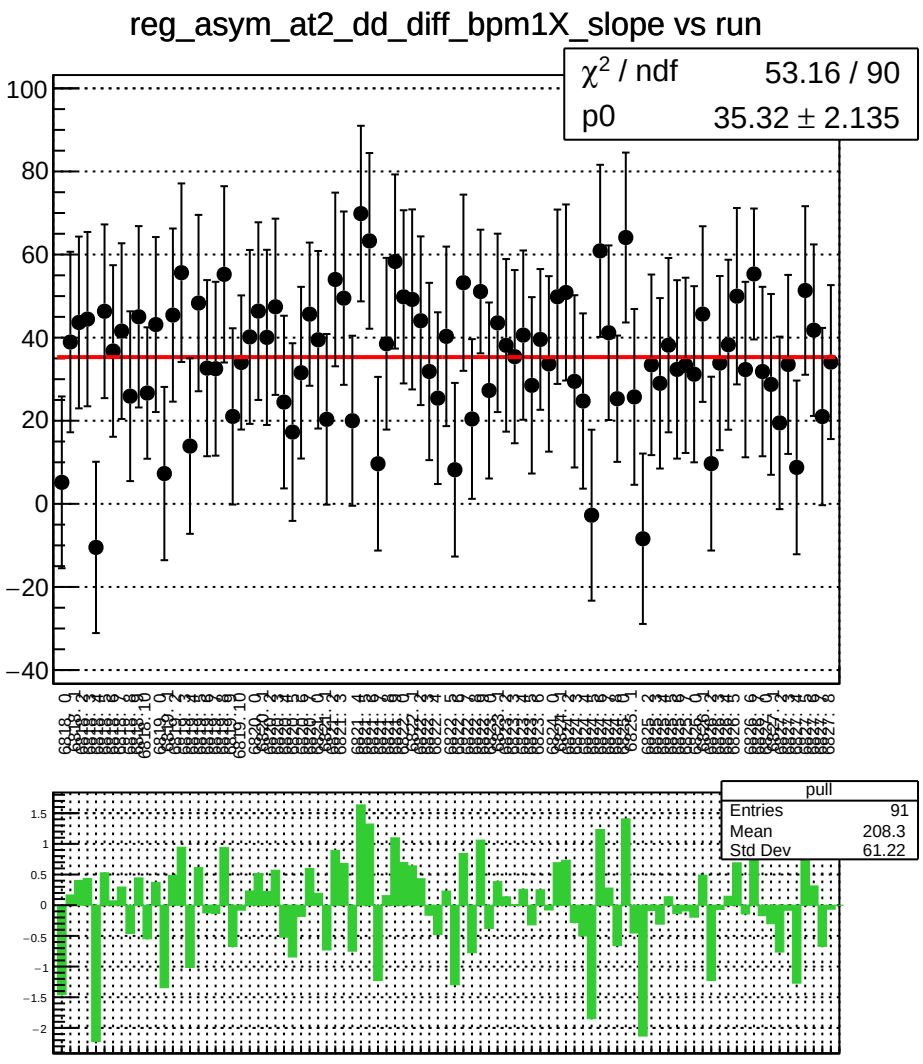

pull1D
Entries 91
Mean 0.007411
Std Dev 0.3286
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

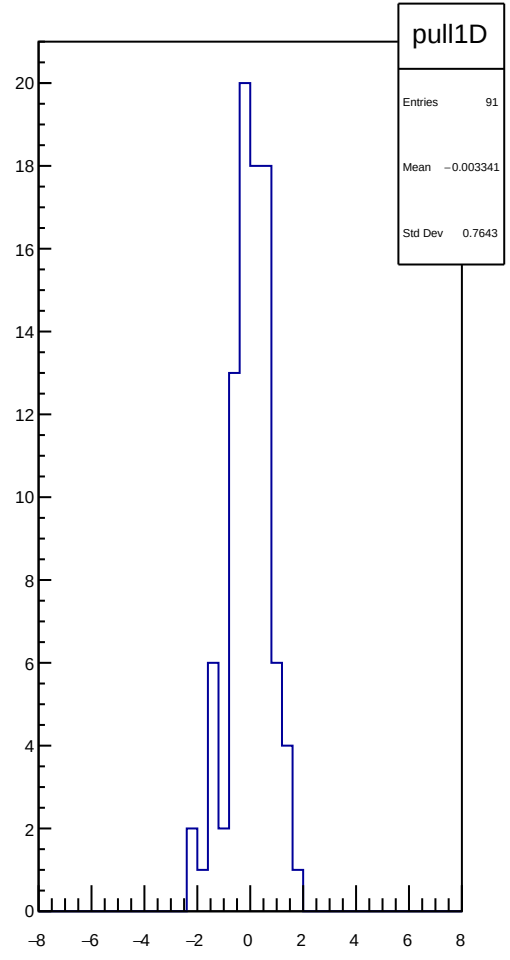

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.509 / 90
p0 95.28 ± 6.409
200
150
100
50
0
pull
Entries 91
Mean −25.68
Std Dev 310.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

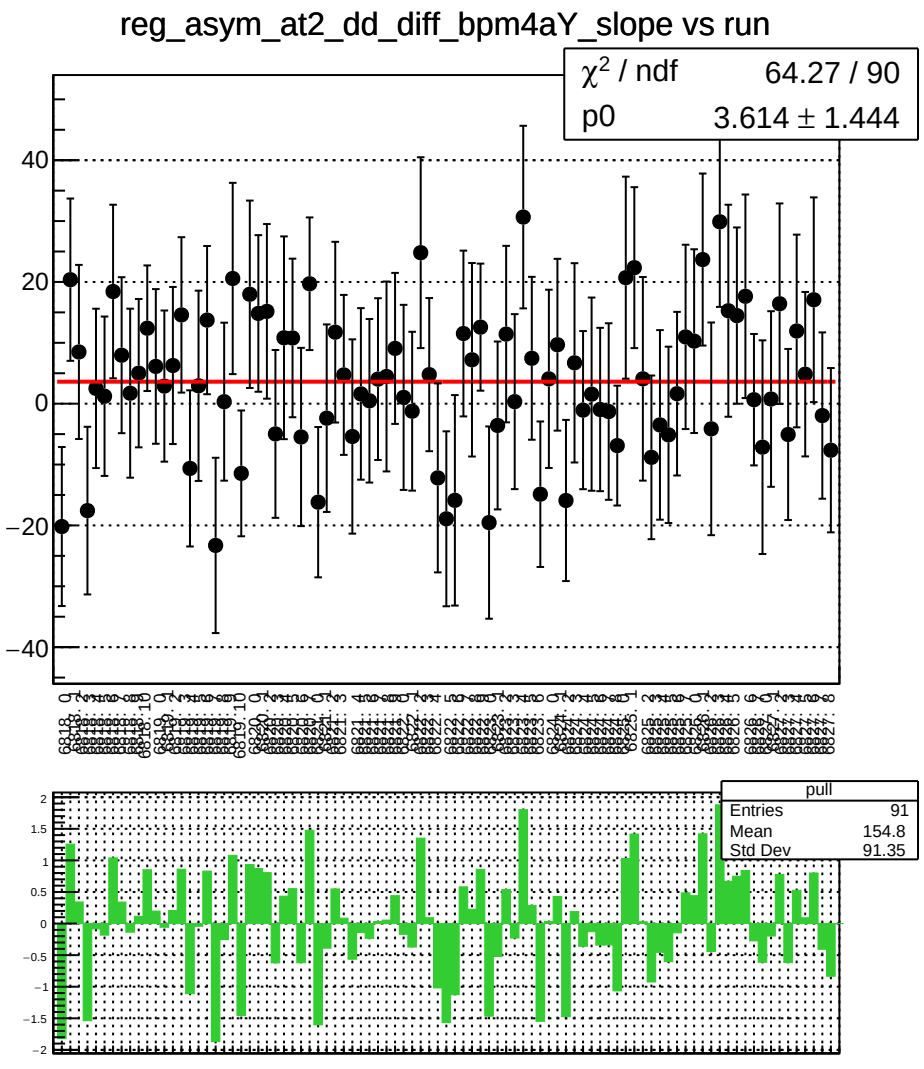

pull1D
Entries 91
Mean −0.0004859
Std Dev 0.246
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

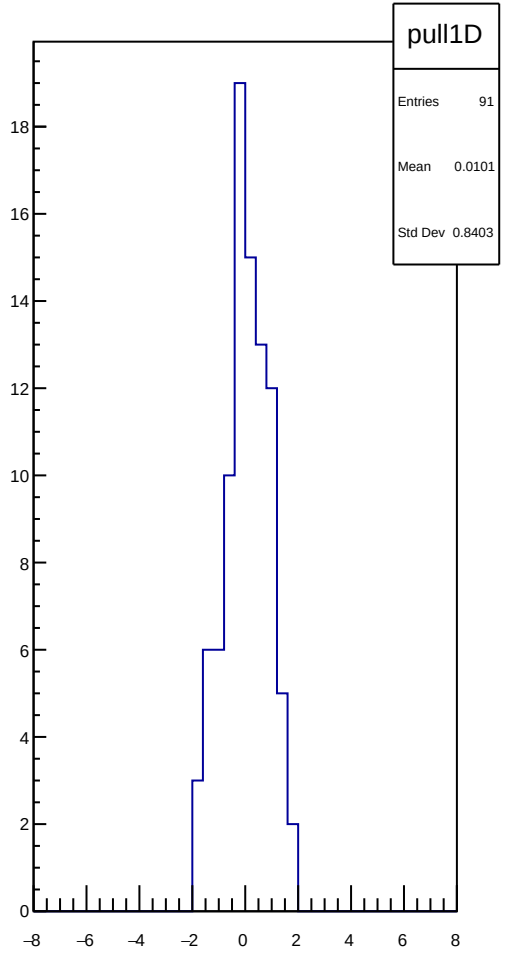

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 8.623 / 90
p0 −271.5 ± 0.321
pull
Entries 91
Mean −225.2
Std Dev 283.4

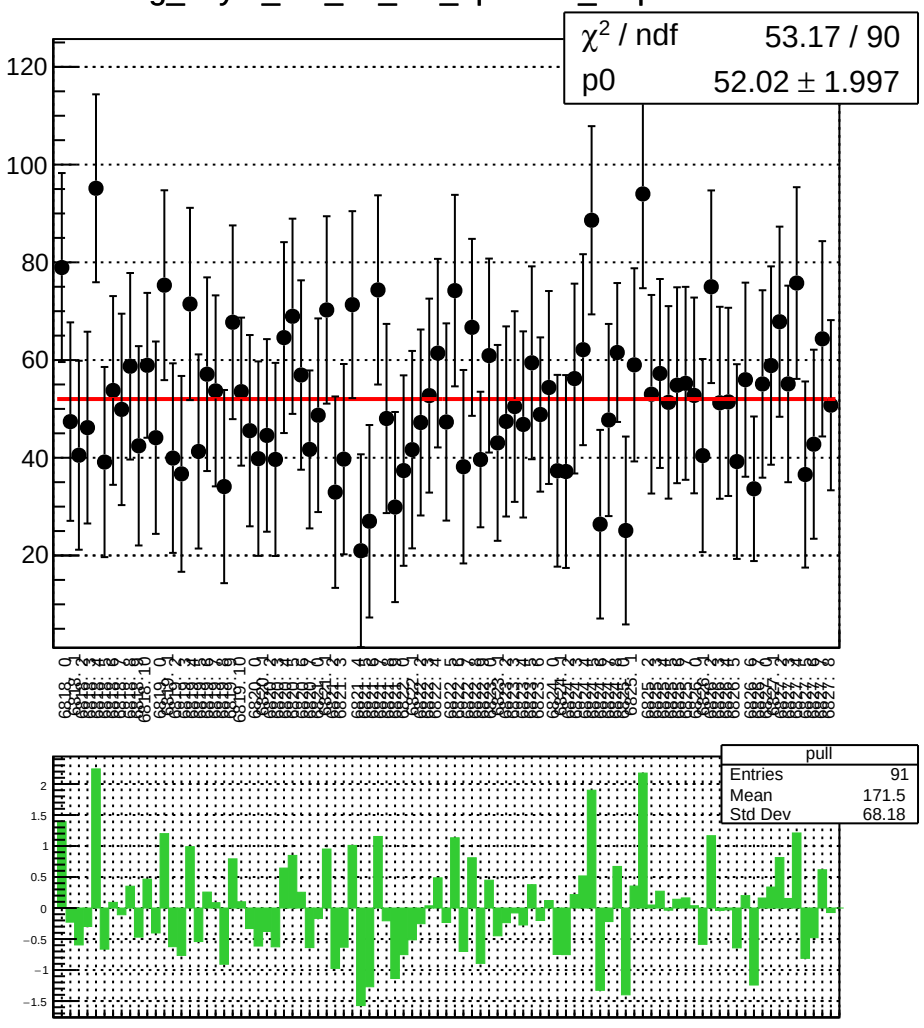

pull1D
Entries 91
Mean −0.00443
Std Dev 0.3078

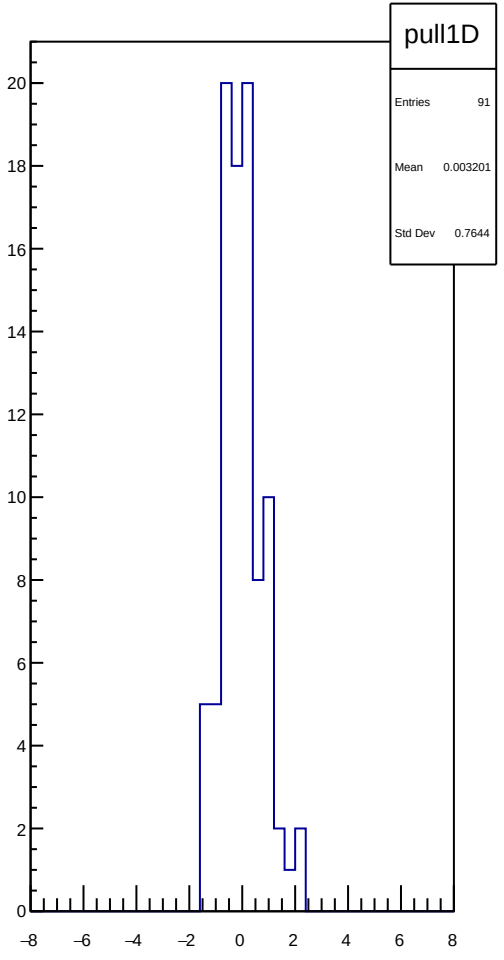

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 53.16 / 90
p0 35.32 ± 2.135
pull
Entries 91
Mean 208.3
Std Dev 61.22

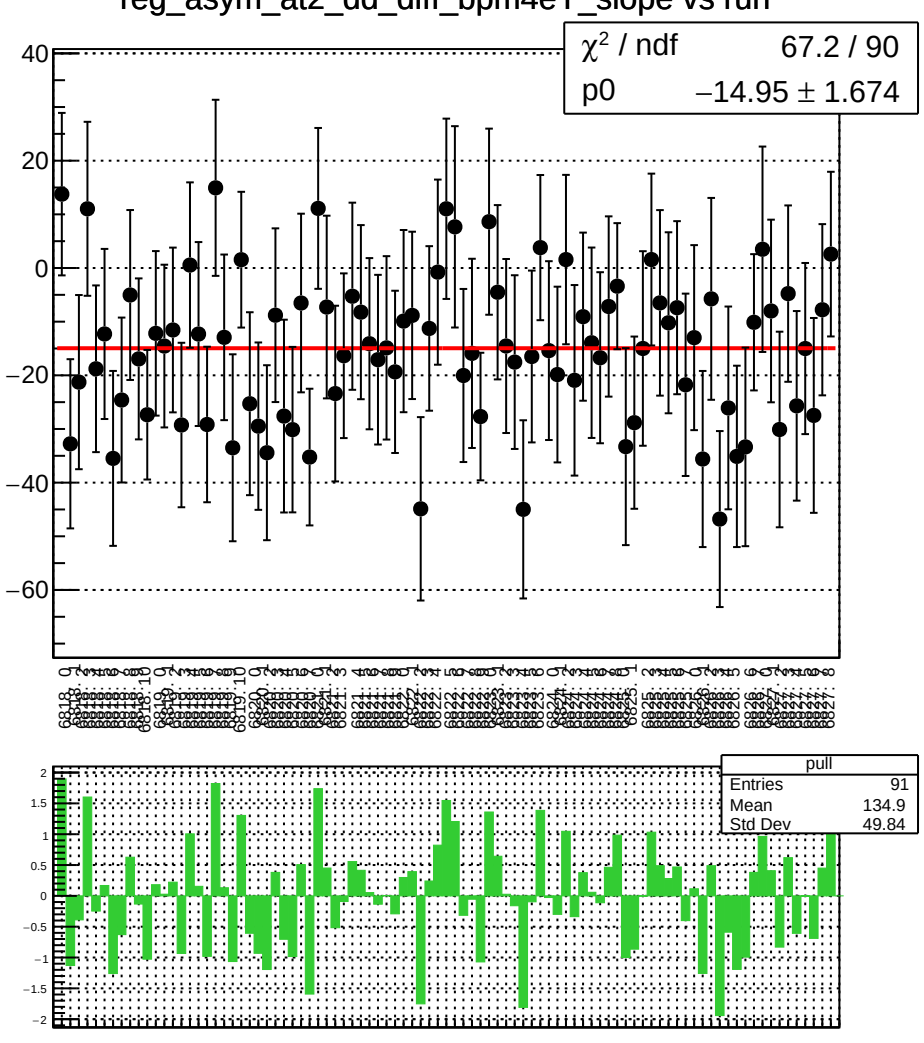

pull1D
Entries 91
Mean −0.003341
Std Dev 0.7643

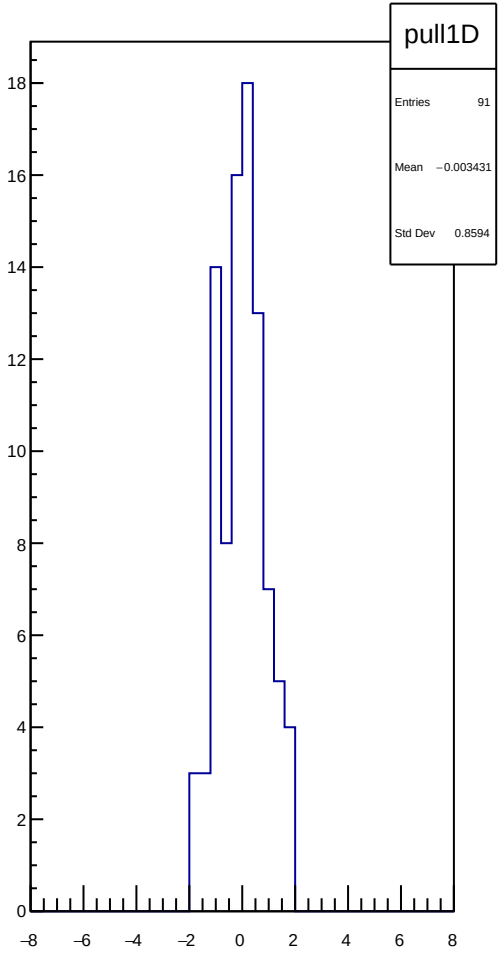

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.27 / 90
p0 3.614 ± 1.444
pull
Entries 91
Mean 154.8
Std Dev 91.35

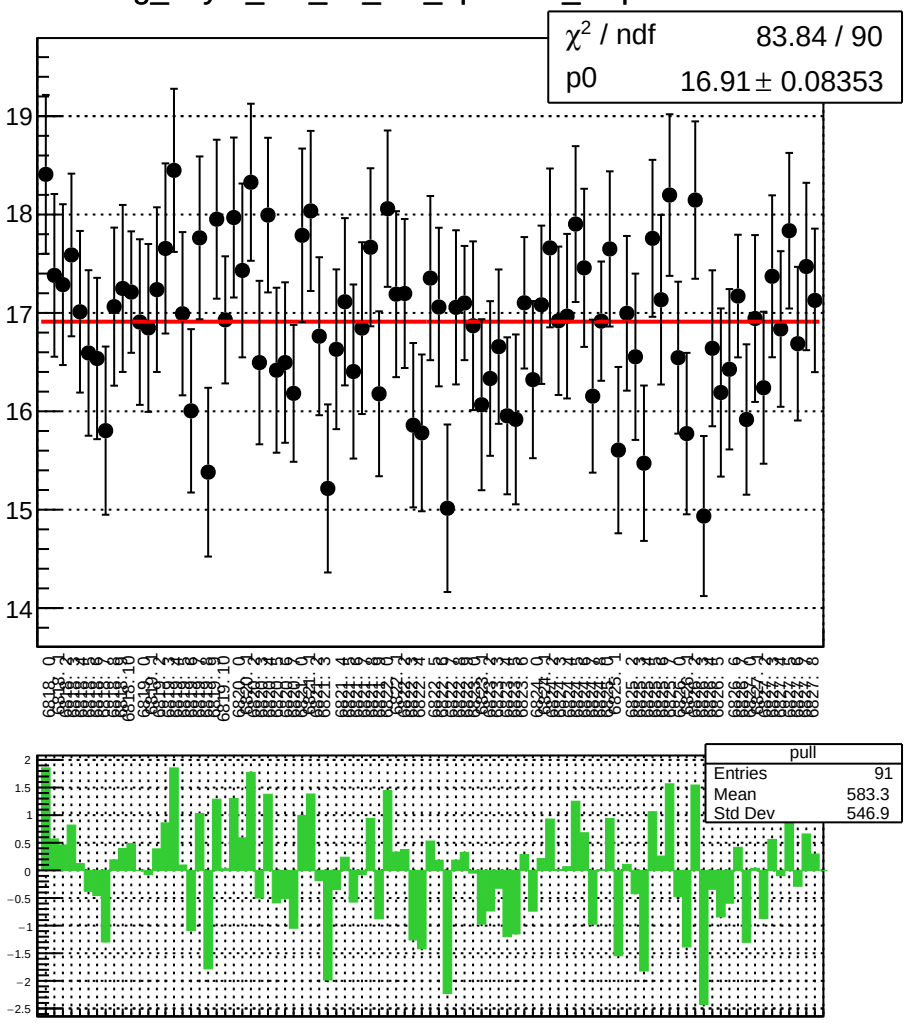

pull1D
Entries 91
Mean 0.0101
Std Dev 0.8403

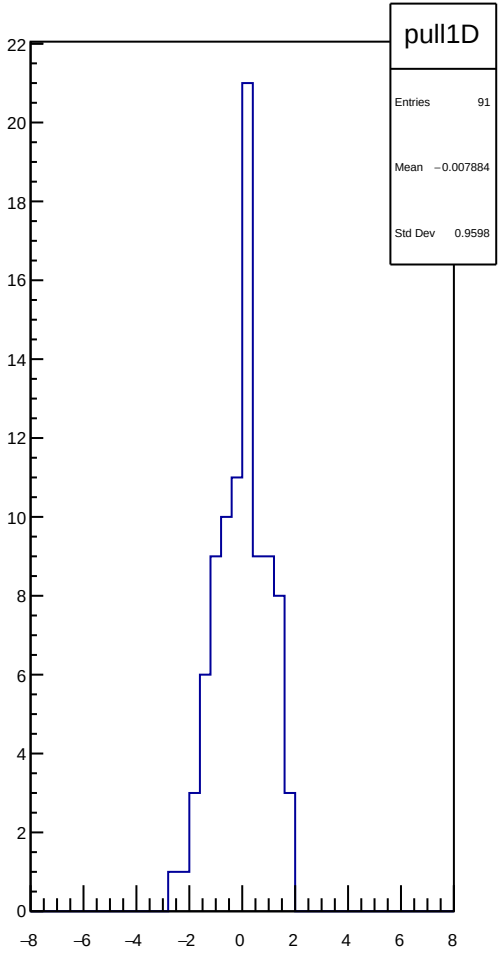

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.17 / 90
p0 52.02 ± 1.997
pull
Entries 91
Mean 171.5
Std Dev 68.18

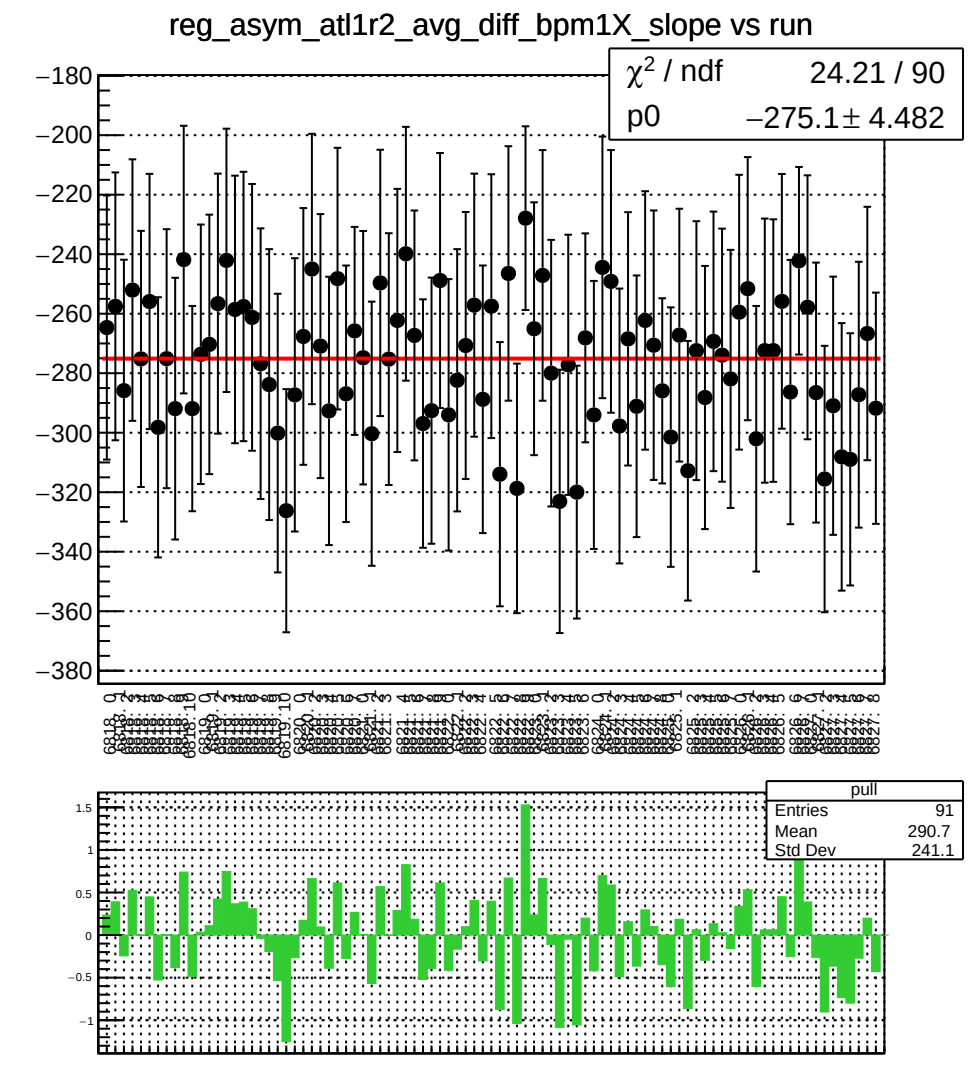

pull1D
Entries 91
Mean 0.003201
Std Dev 0.7644

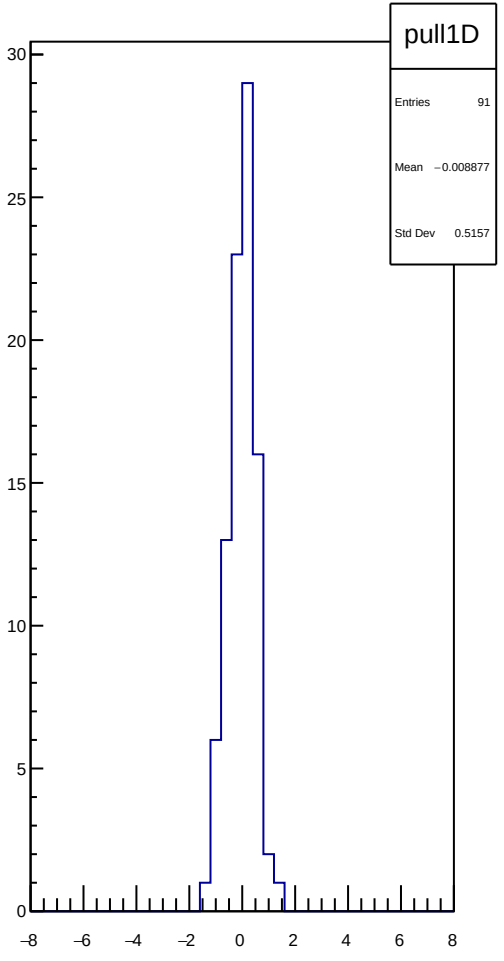

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.2 / 90
p0 −14.95 ± 1.674
pull
Entries 91
Mean 134.9
Std Dev 49.84

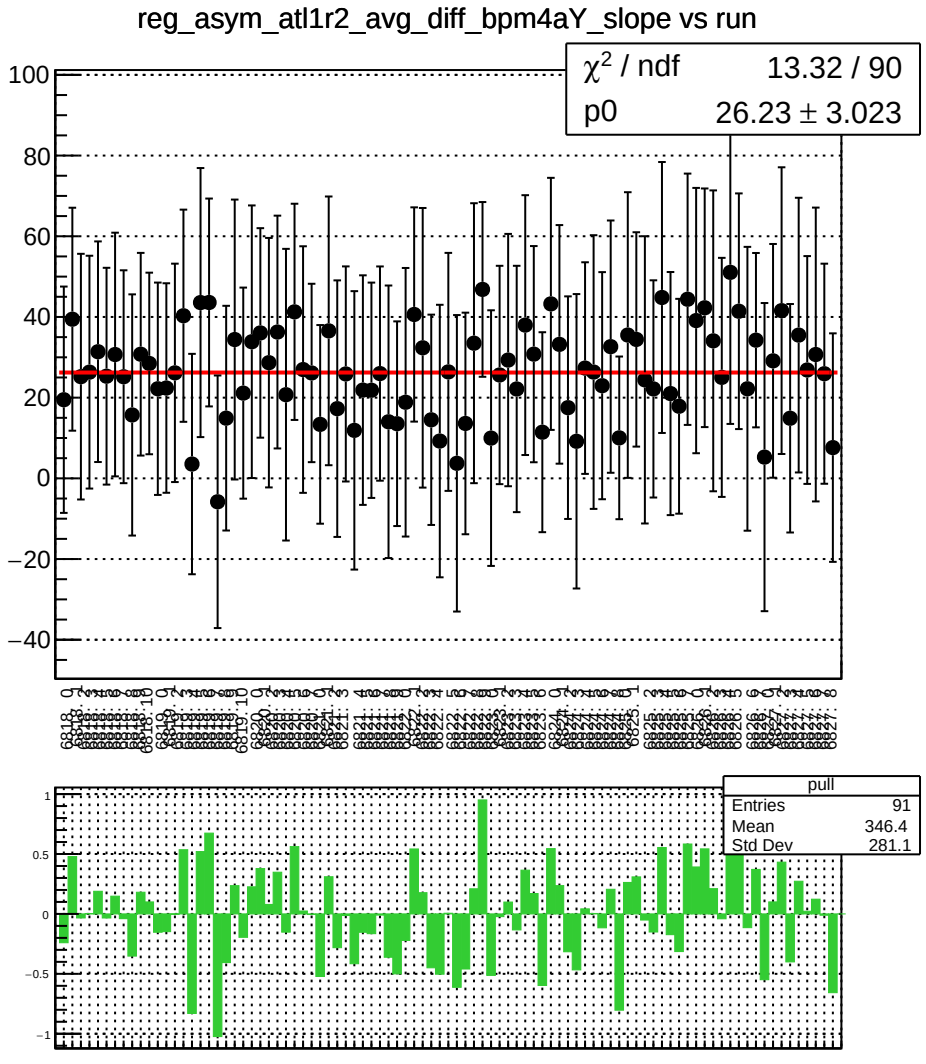

pull1D
Entries 91
Mean −0.003431
Std Dev 0.8594

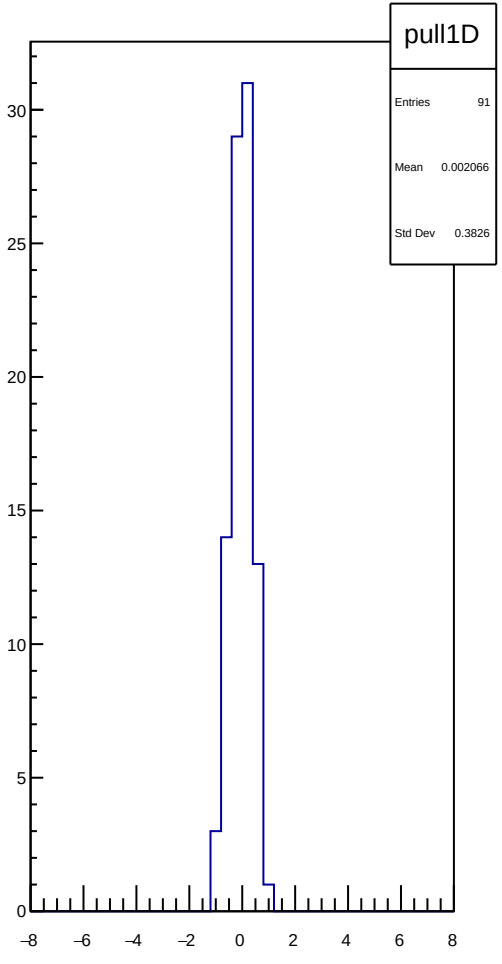

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 83.84 / 90
p0 16.91 ± 0.08353
pull
Entries 91
Mean 583.3
Std Dev 546.9

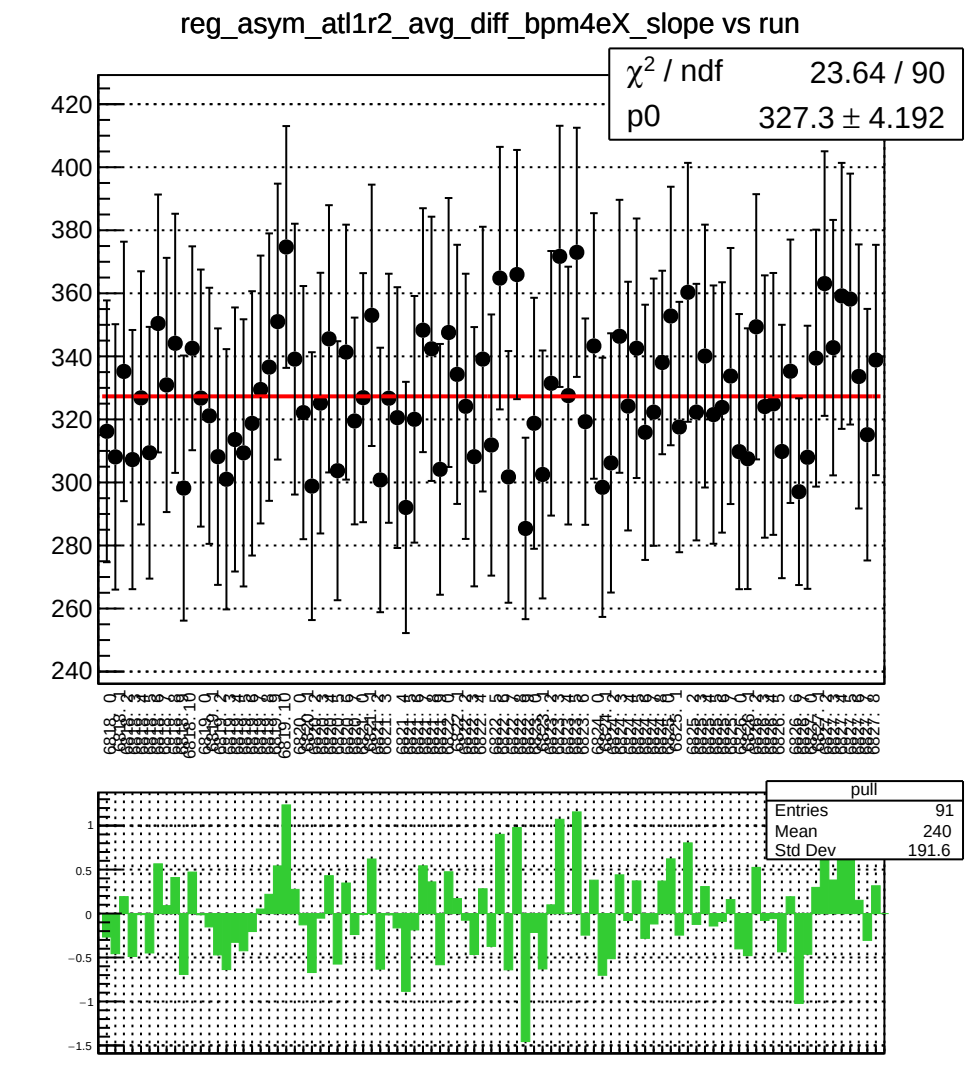

pull1D
Entries 91
Mean −0.007884
Std Dev 0.9598

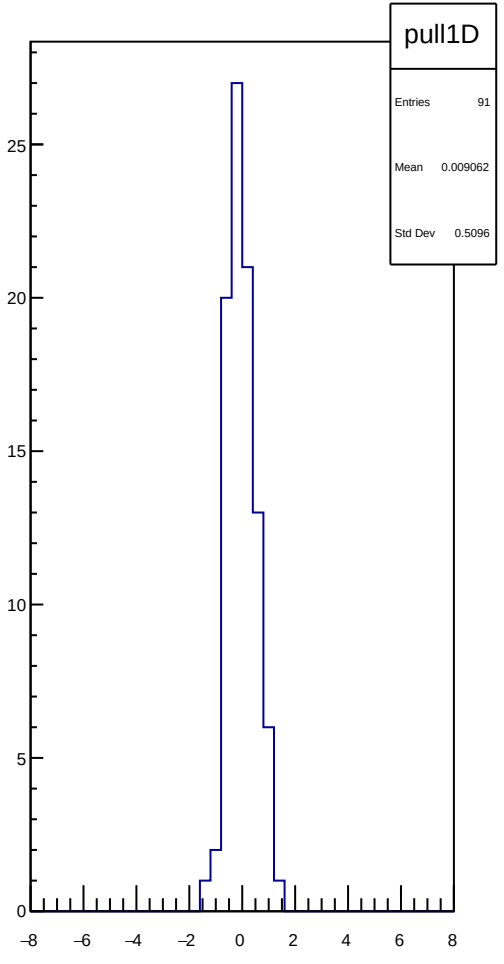

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 24.21 / 90
p0 −275.1 ± 4.482
pull
Entries 91
Mean 290.7
Std Dev 241.1

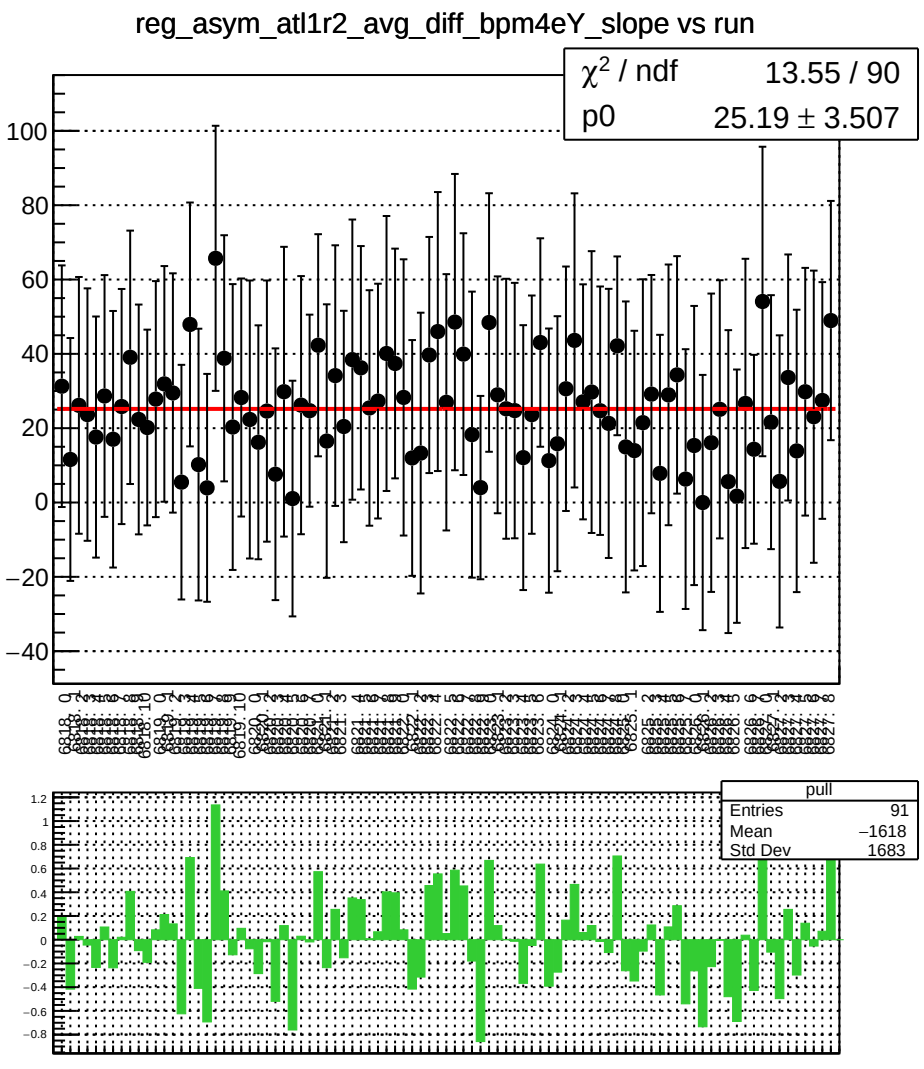

pull1D
Entries 91
Mean −0.008877
Std Dev 0.5157

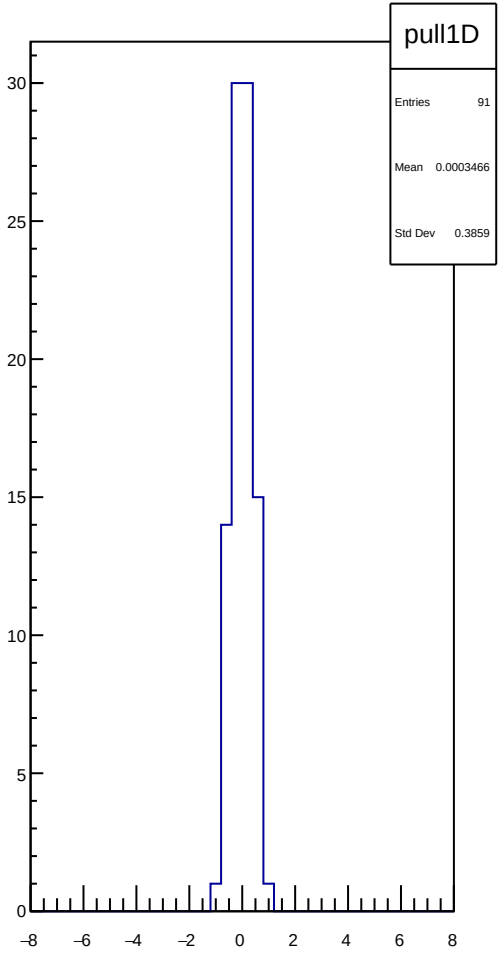

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 90
p0 26.23 ± 3.023
pull
Entries 91
Mean 346.4
Std Dev 281.1

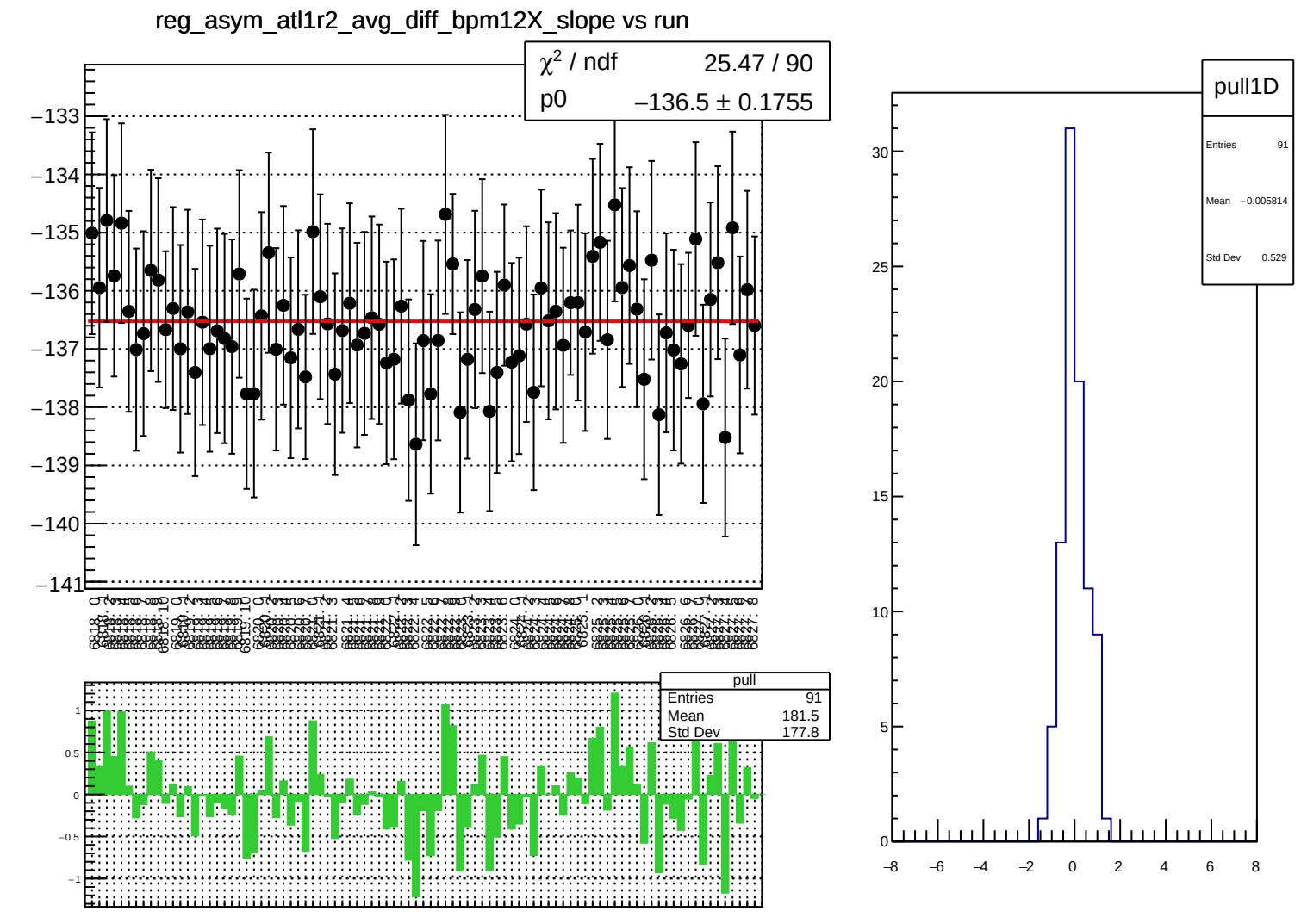

pull1D
Entries 91
Mean 0.002066
Std Dev 0.3826

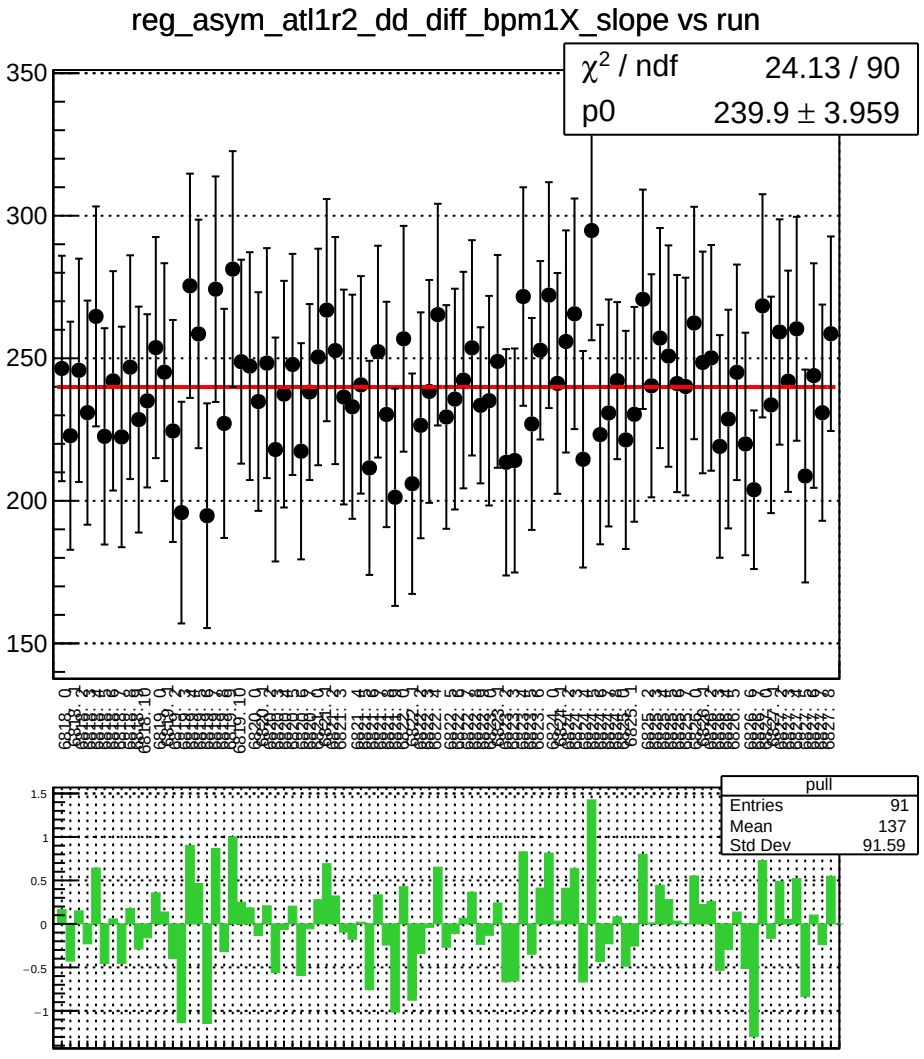

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.64 / 90
p0 327.3 ± 4.192
pull
Entries 91
Mean 240
Std Dev 191.6

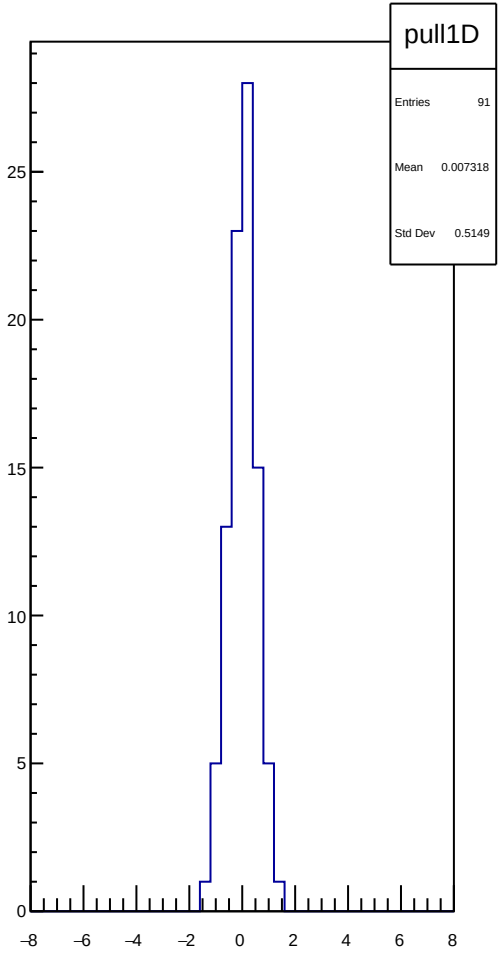

pull1D
Entries 91
Mean 0.009062
Std Dev 0.5096

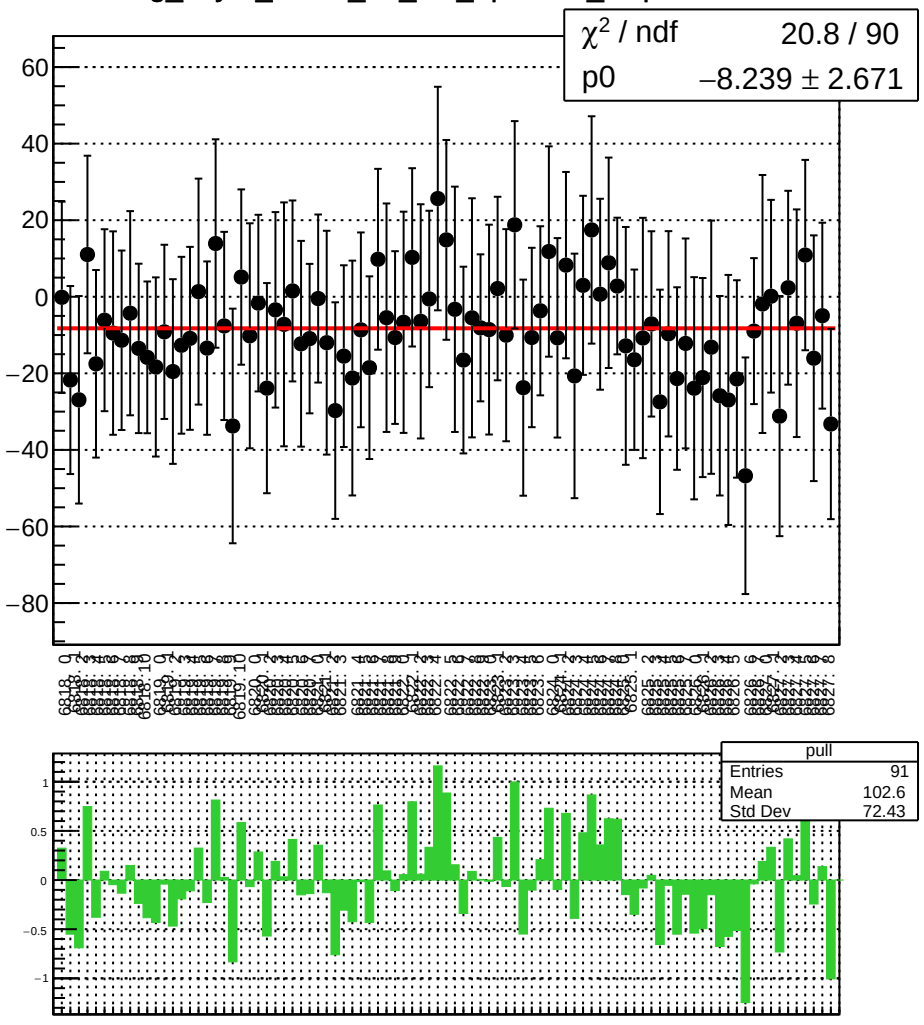

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.55 / 90
p0 25.19 ± 3.507
pull
Entries 91
Mean −1618
Std Dev 1683

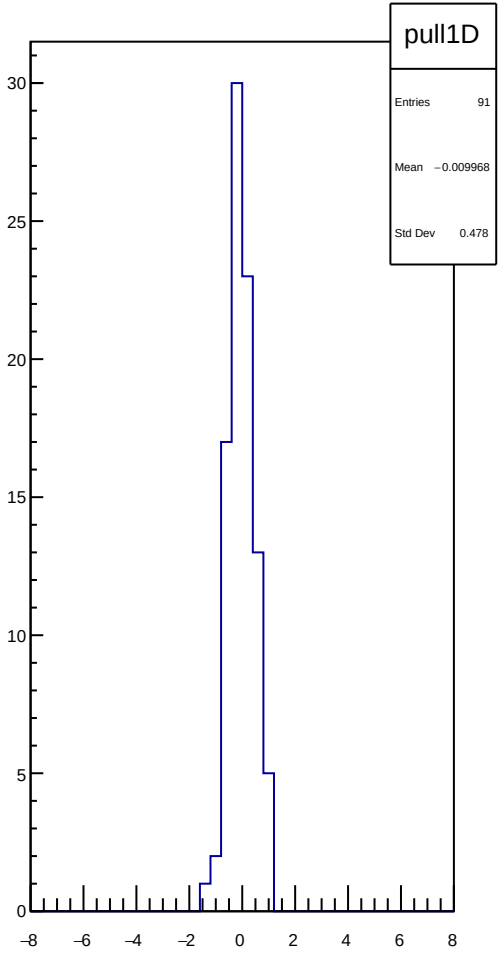

pull1D
Entries 91
Mean 0.0003466
Std Dev 0.3859

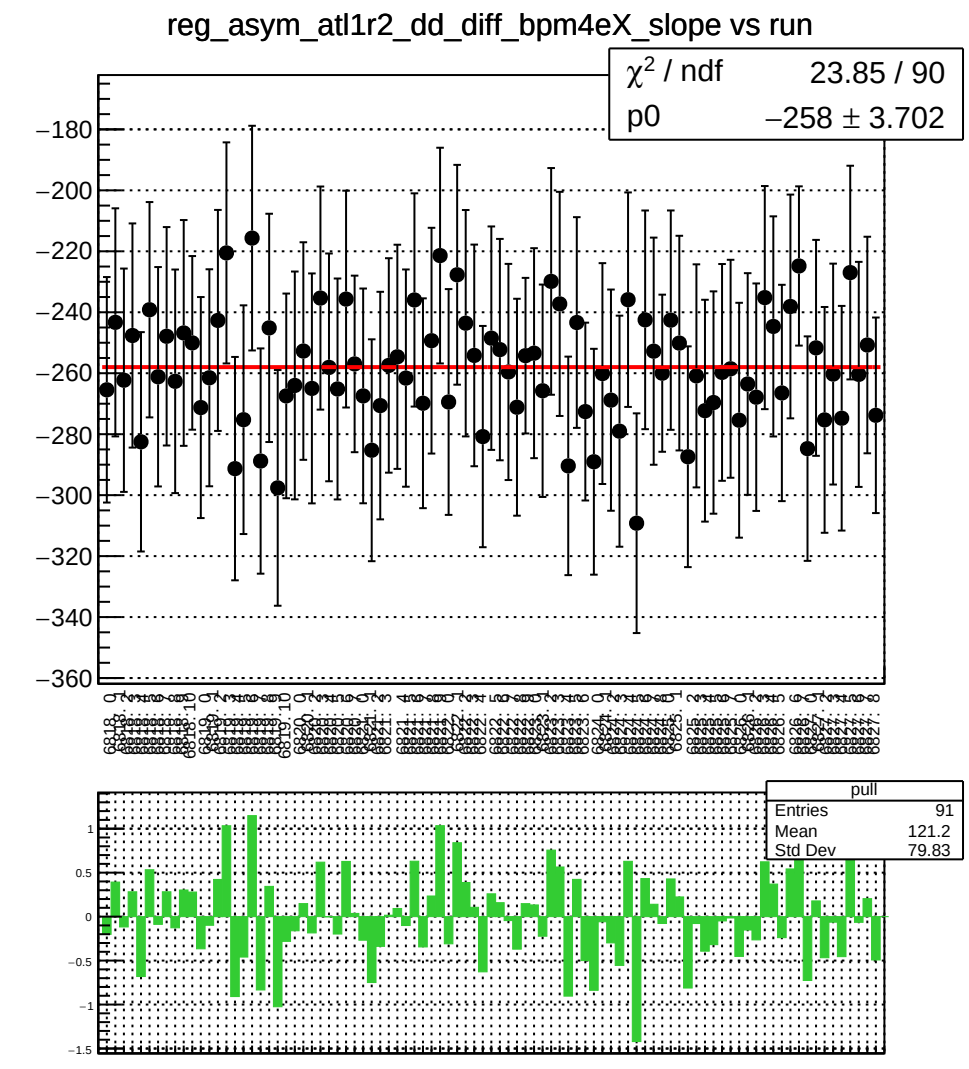

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 25.47 / 90
p0 −136.5 ± 0.1755
pull
Entries 91
Mean 181.5
Std Dev 177.8
pull1D
Entries 91
Mean −0.005814
Std Dev 0.529

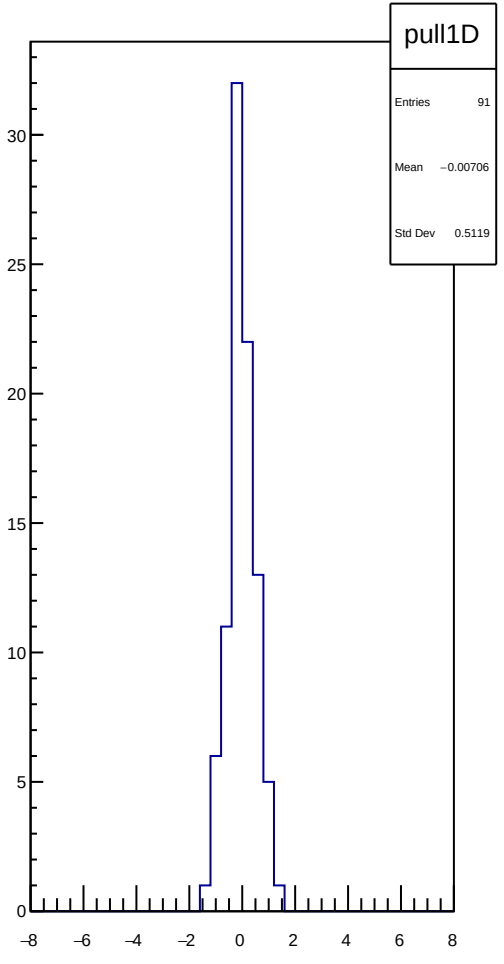

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 24.13 / 90
p0 239.9 ± 3.959
350
300
250
200
150
pull
Entries 91
Mean 137
Std Dev 91.59
1.5
1
0.5
0
−0.5
−1

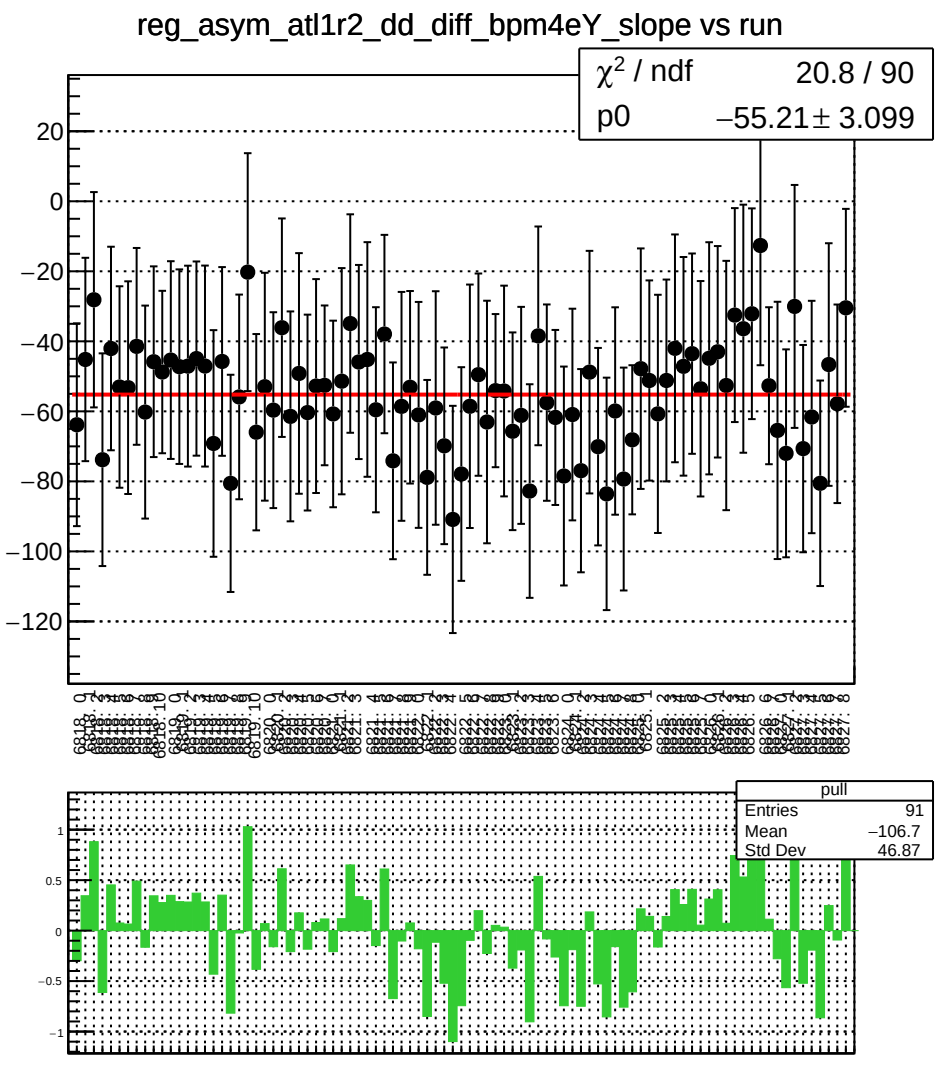

pull1D
Entries 91
Mean 0.007318
Std Dev 0.5149
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

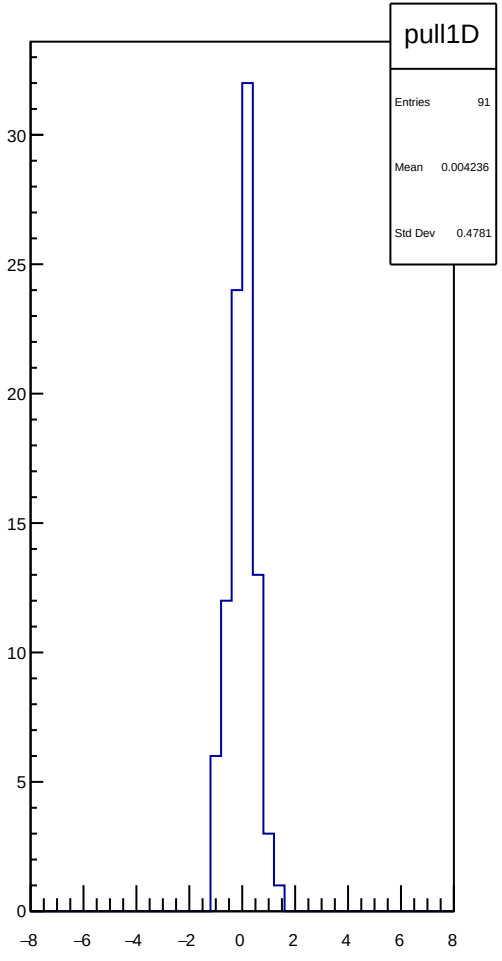

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.8 / 90
p0 −8.239 ± 2.671
pull
Entries 91
Mean 102.6
Std Dev 72.43

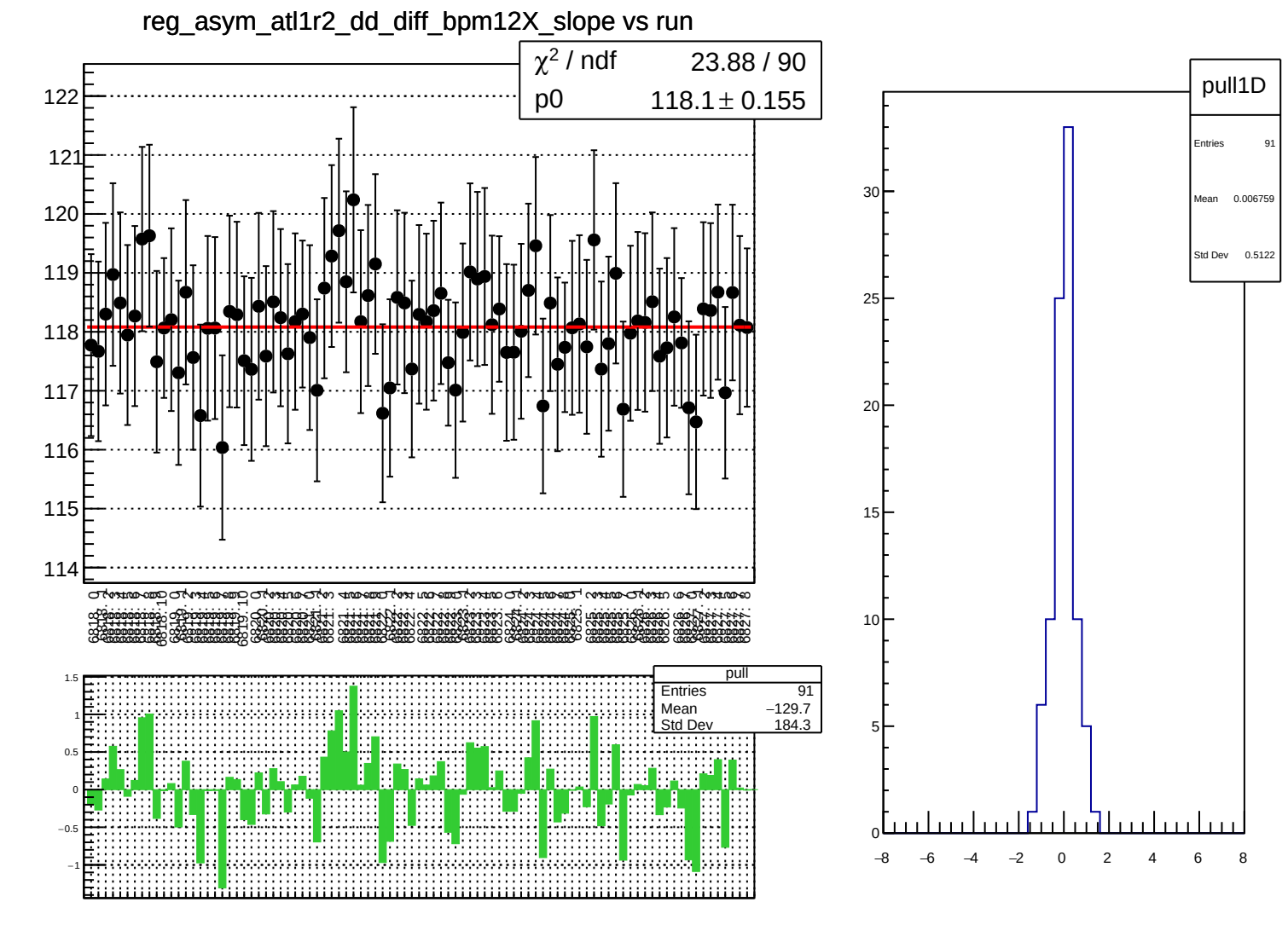

pull1D
Entries 91
Mean −0.009968
Std Dev 0.478

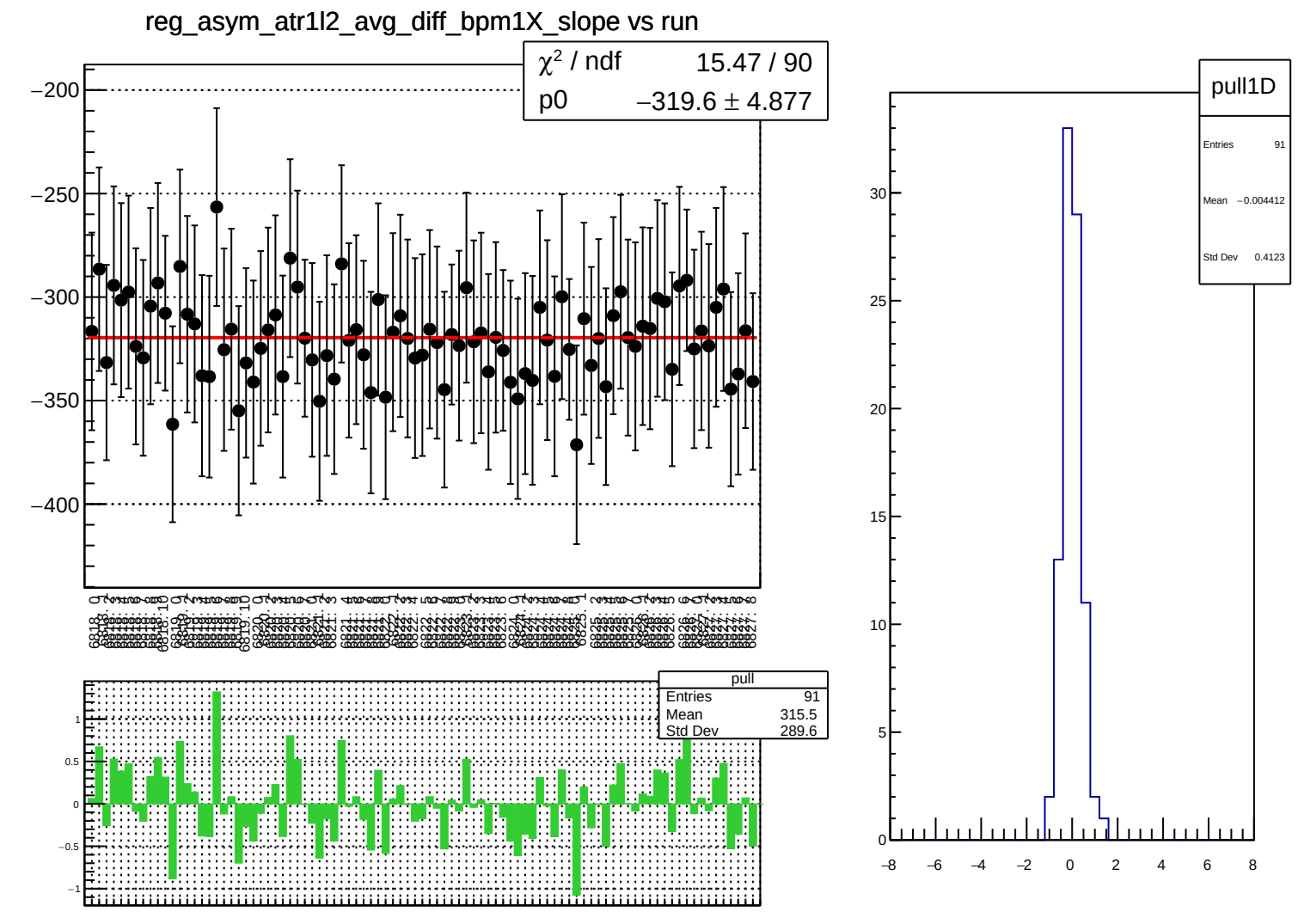

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.85 / 90
p0 −258 ± 3.702
pull
Entries 91
Mean 121.2
Std Dev 79.83

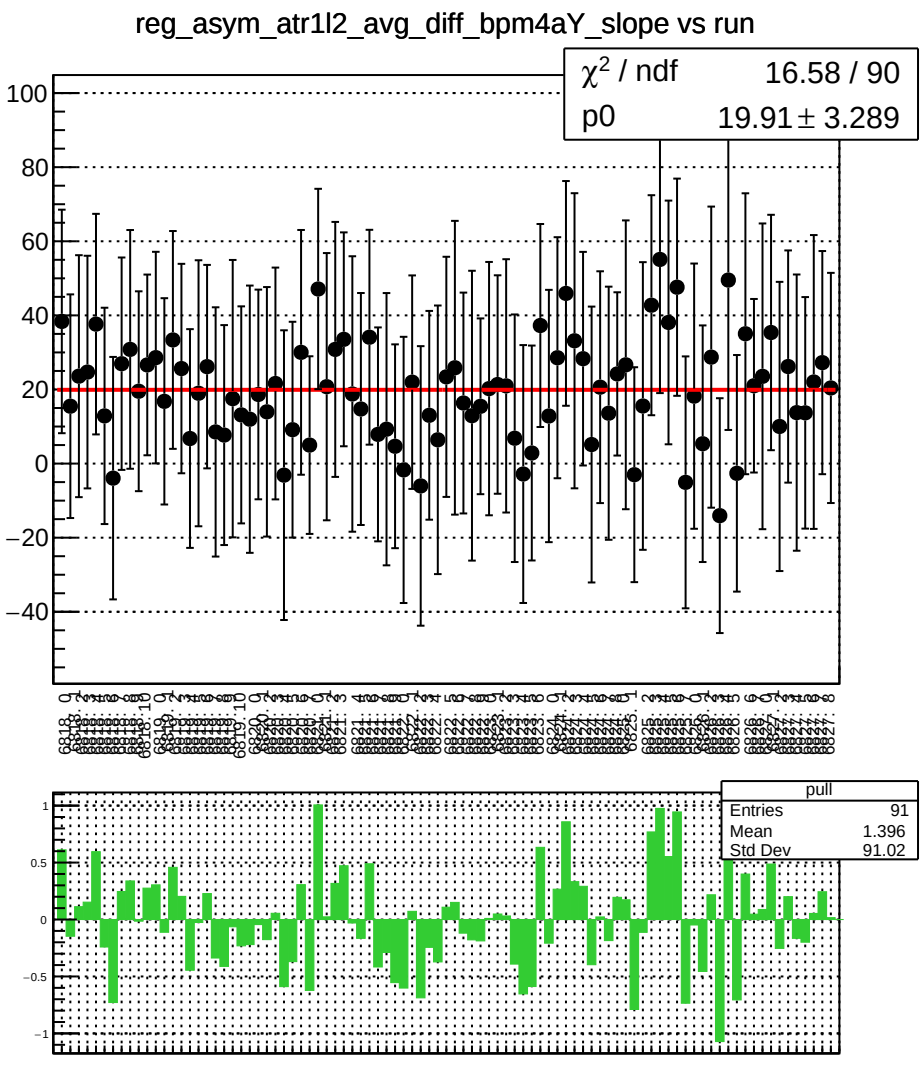

pull1D
Entries 91
Mean −0.00706
Std Dev 0.5119

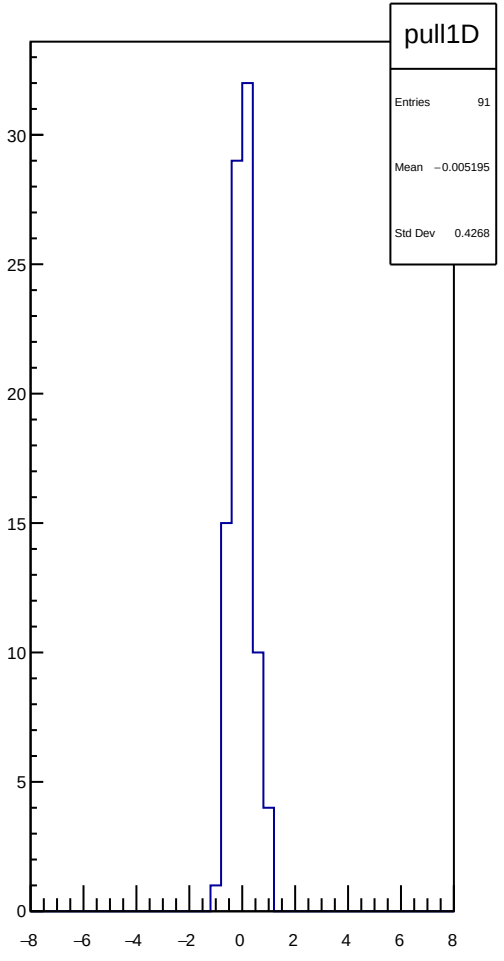

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.8 / 90
p0 −55.21 ± 3.099
pull
Entries 91
Mean −106.7
Std Dev 46.87

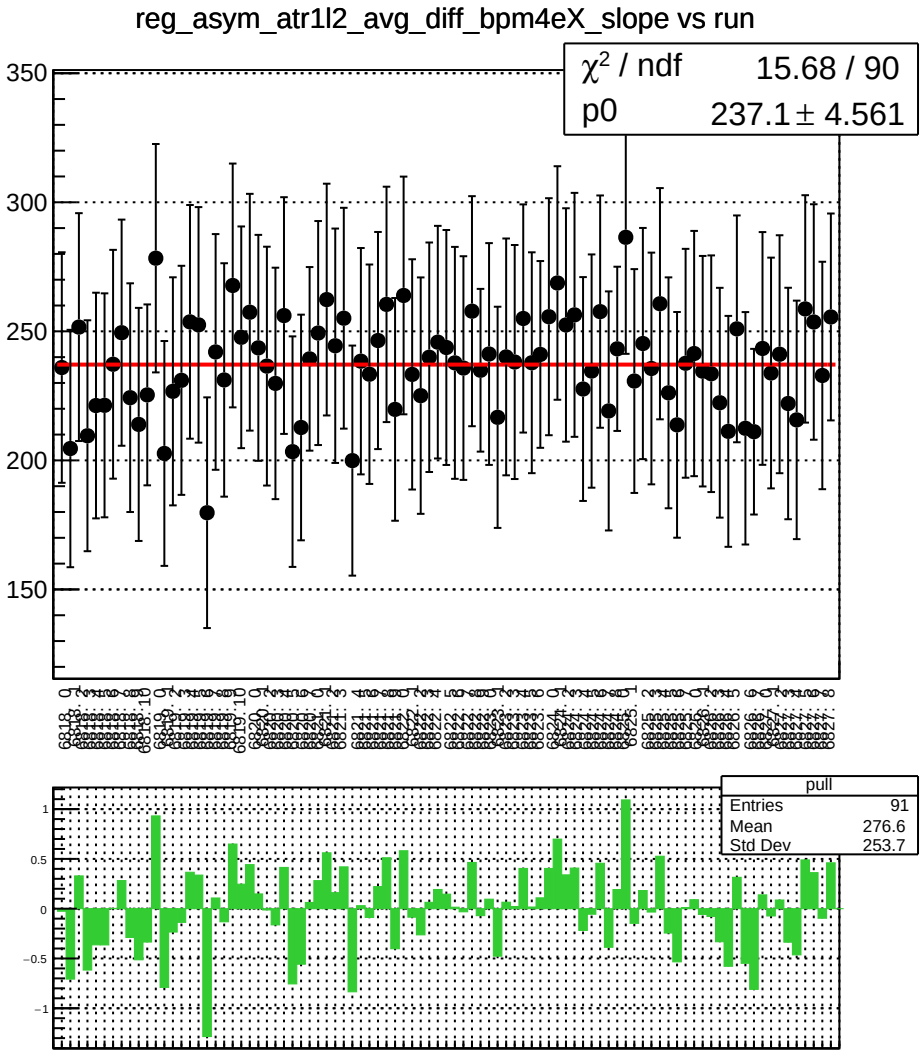

pull1D
Entries 91
Mean 0.004236
Std Dev 0.4781

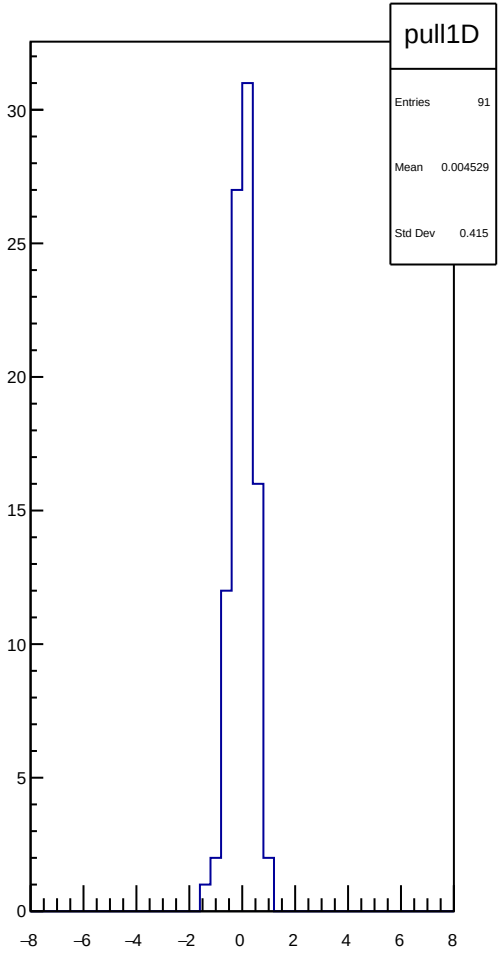

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 23.88 / 90
p0 118.1 ± 0.155
pull
Entries 91
Mean −129.7
Std Dev 184.3
pull1D
Entries 91
Mean 0.006759
Std Dev 0.5122

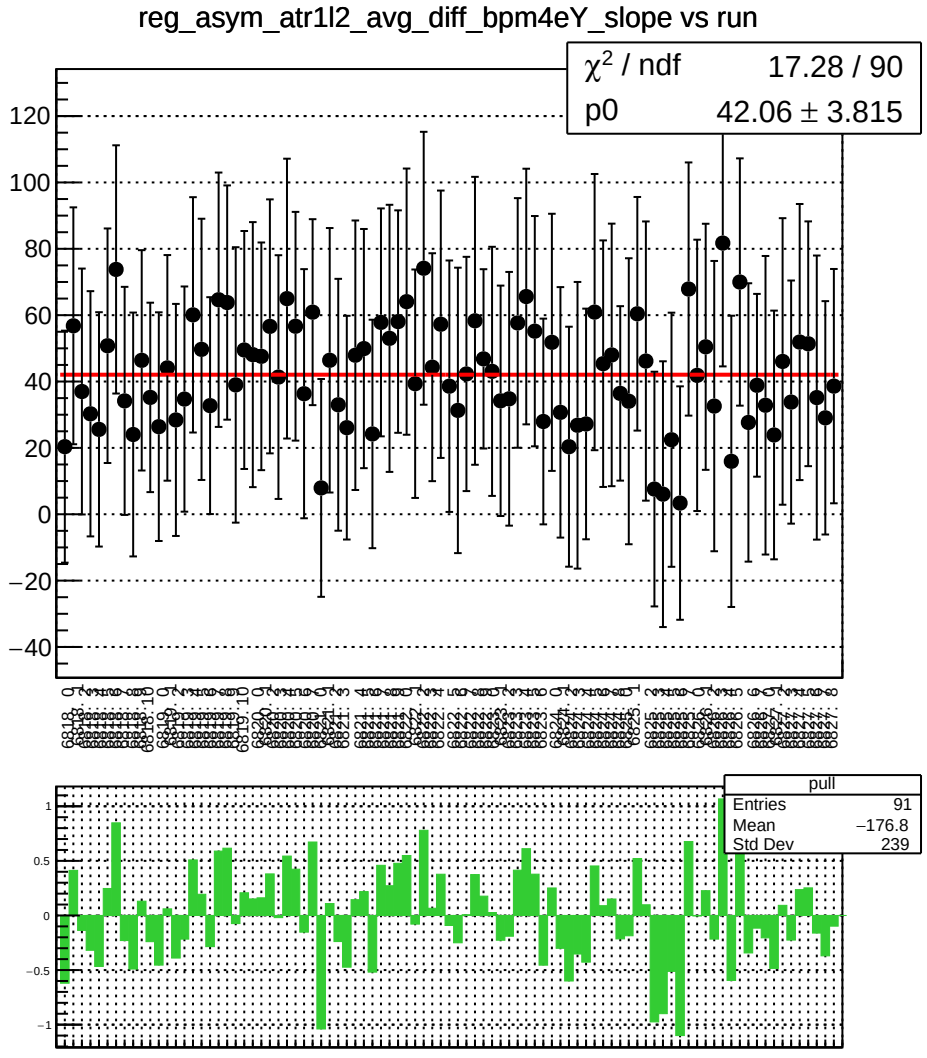

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.47 / 90
p0 −319.6 ± 4.877
−200
−250
−300
−350
−400
pull
Entries 91
Mean 315.5
Std Dev 289.6
1
0.5
0
−0.5
−1
pull1D
Entries 91
Mean −0.004412
Std Dev 0.4123
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

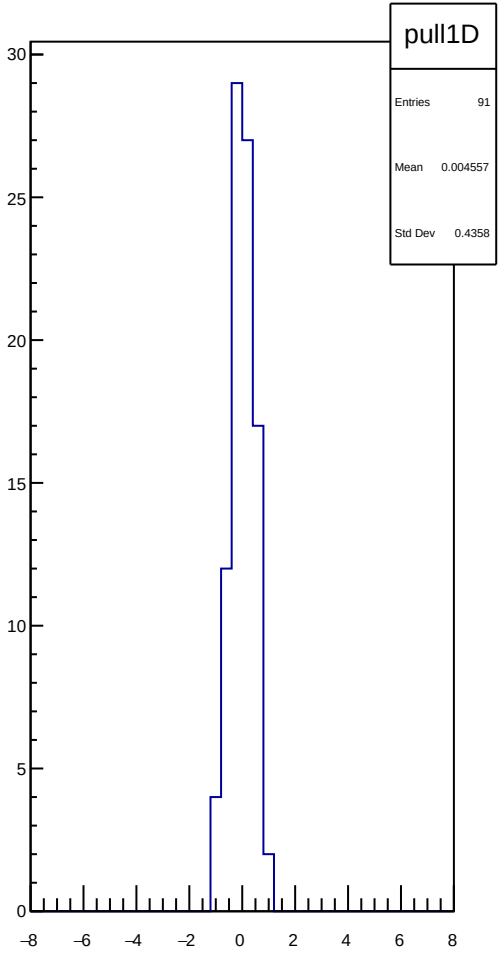

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.58 / 90
p0 19.91 ± 3.289
pull
Entries 91
Mean 1.396
Std Dev 91.02

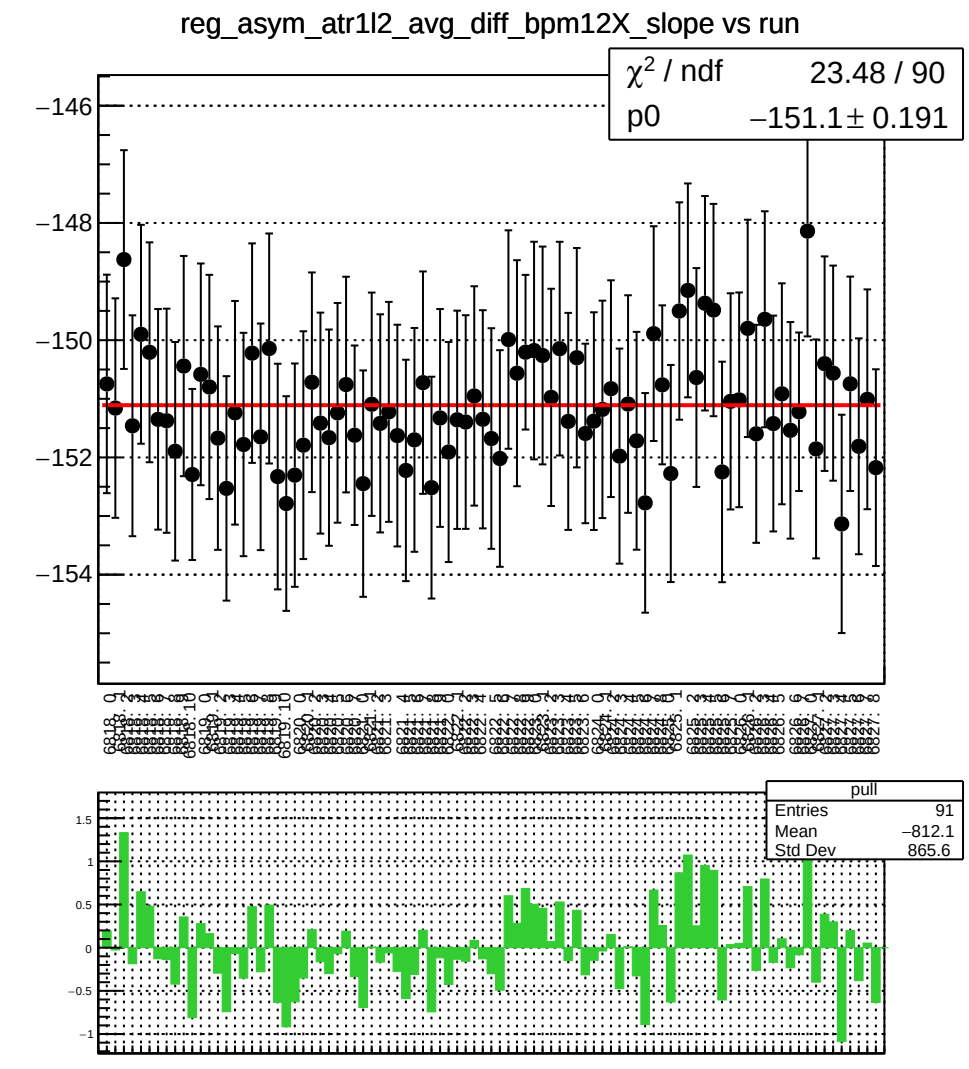

pull1D
Entries 91
Mean −0.005195
Std Dev 0.4268

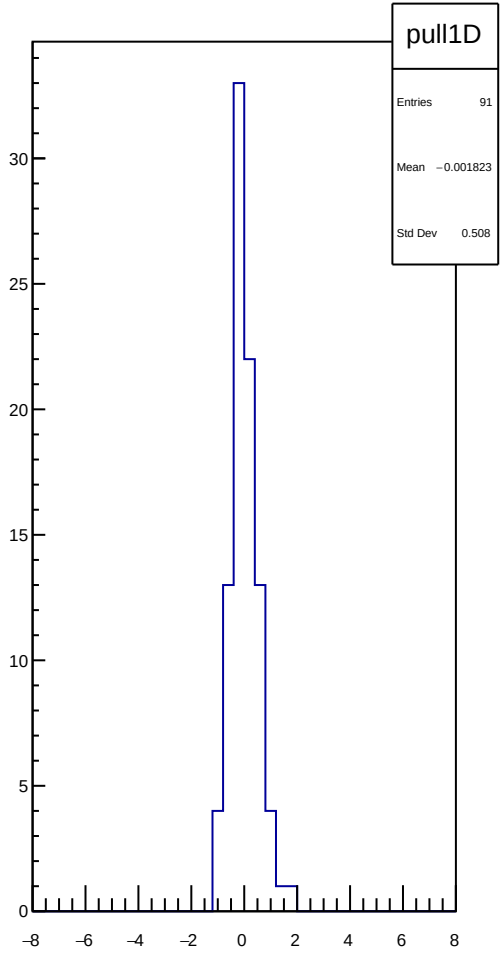

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.68 / 90
p0 237.1 ± 4.561
350
300
250
200
150
pull
Entries 91
Mean 276.6
Std Dev 253.7
1
0.5
0
−0.5
−1

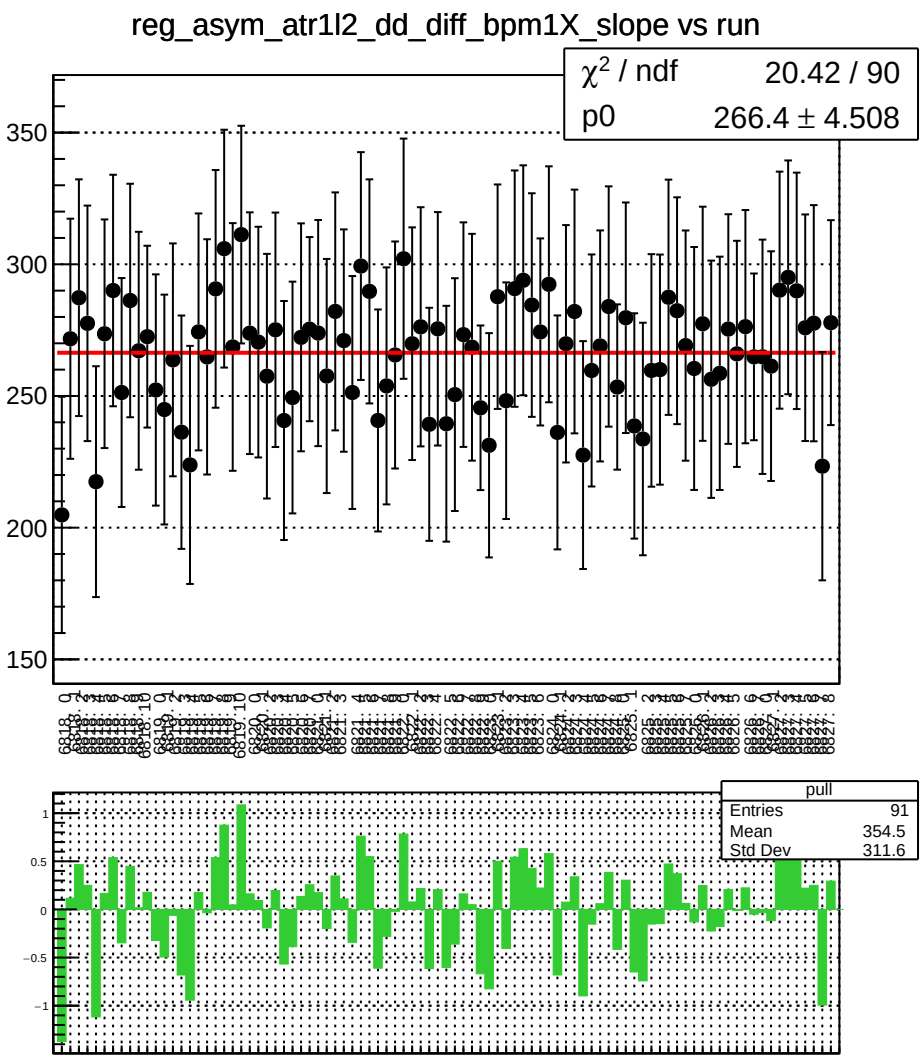

pull1D
Entries 91
Mean 0.004529
Std Dev 0.415
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

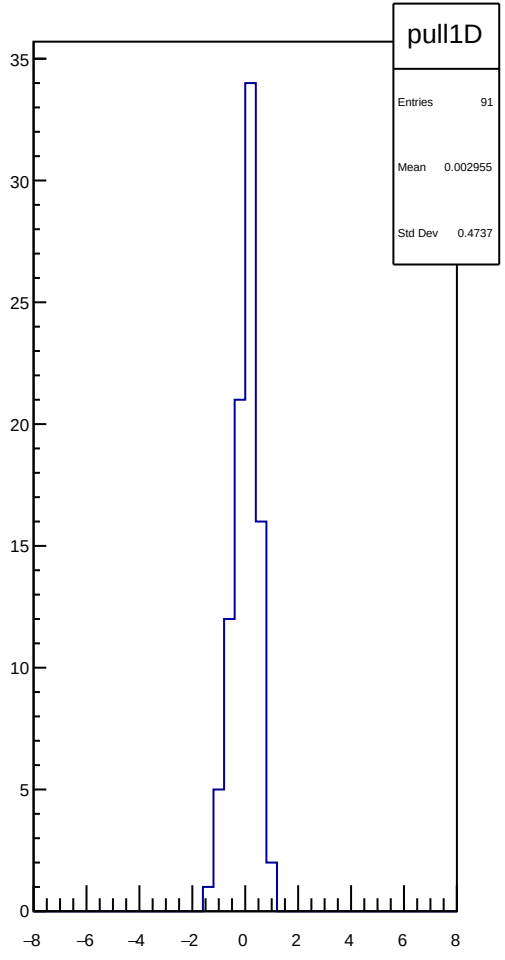

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.28 / 90
p0 42.06 ± 3.815
pull
Entries 91
Mean −176.8
Std Dev 239

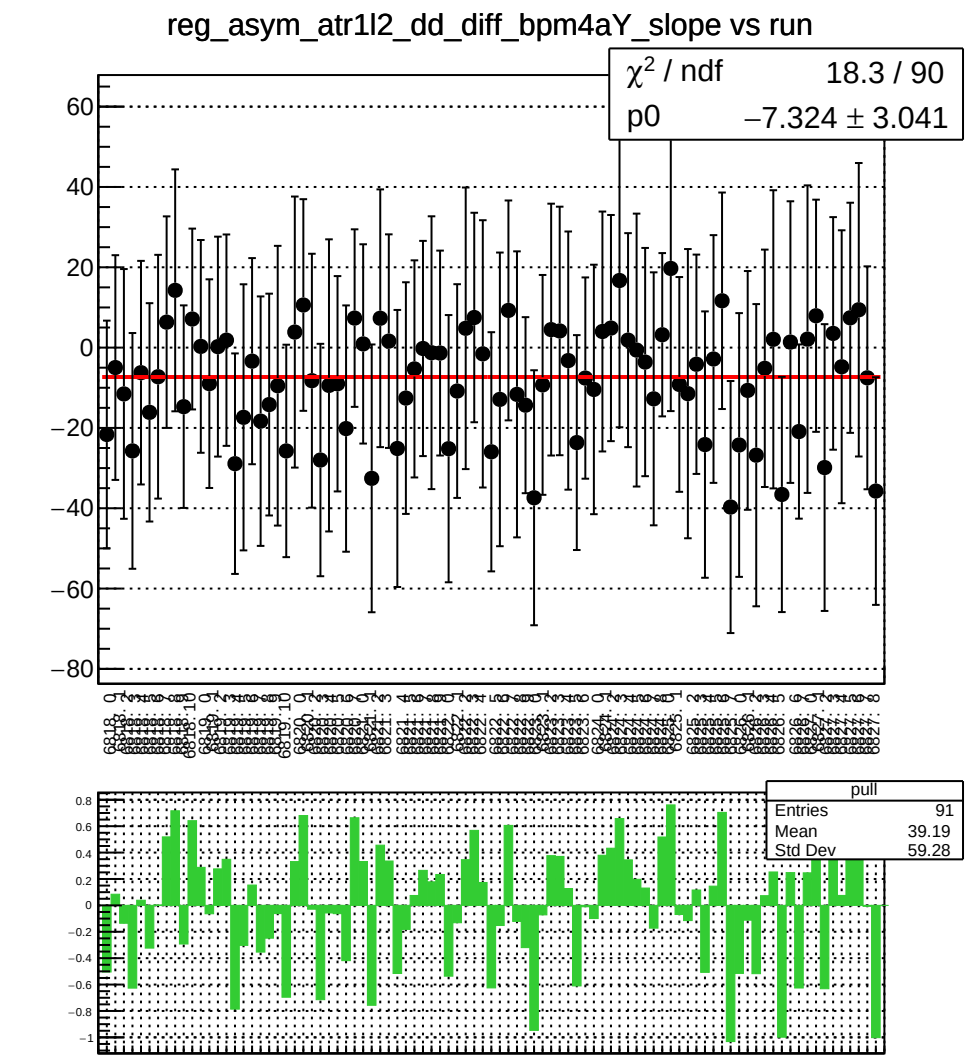

pull1D
Entries 91
Mean 0.004557
Std Dev 0.4358

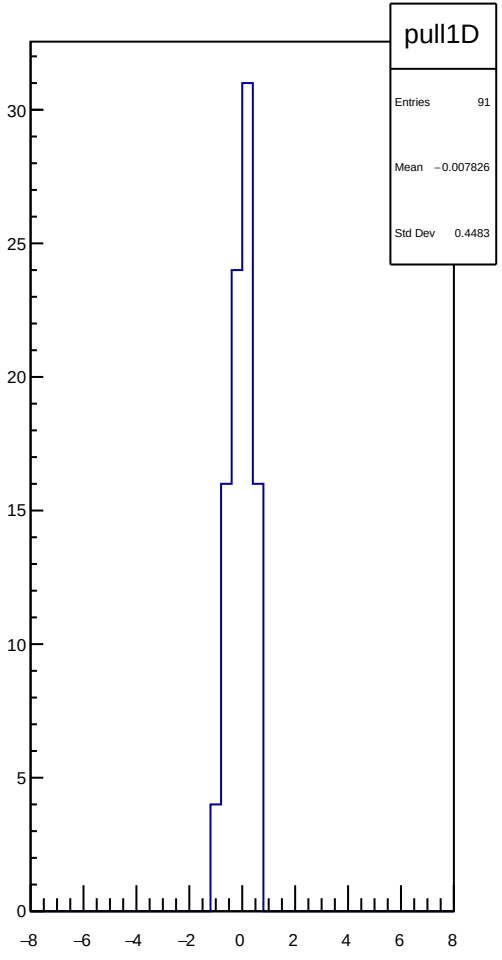

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.48 / 90
p0 −151.1 ± 0.191
−146
−148
−150
−152
−154
pull
Entries 91
Mean −812.1
Std Dev 865.6
1.5
1
0.5
0
−0.5
−1

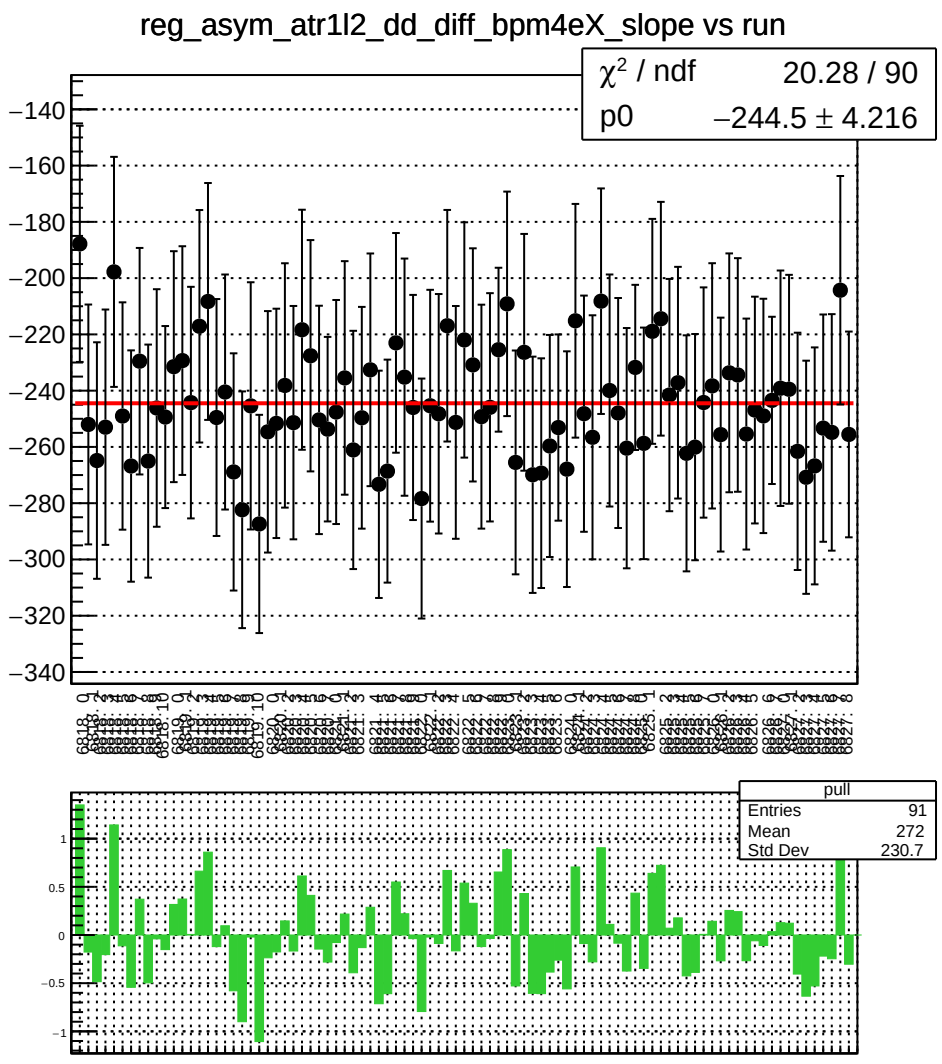

pull1D
Entries 91
Mean −0.001823
Std Dev 0.508
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

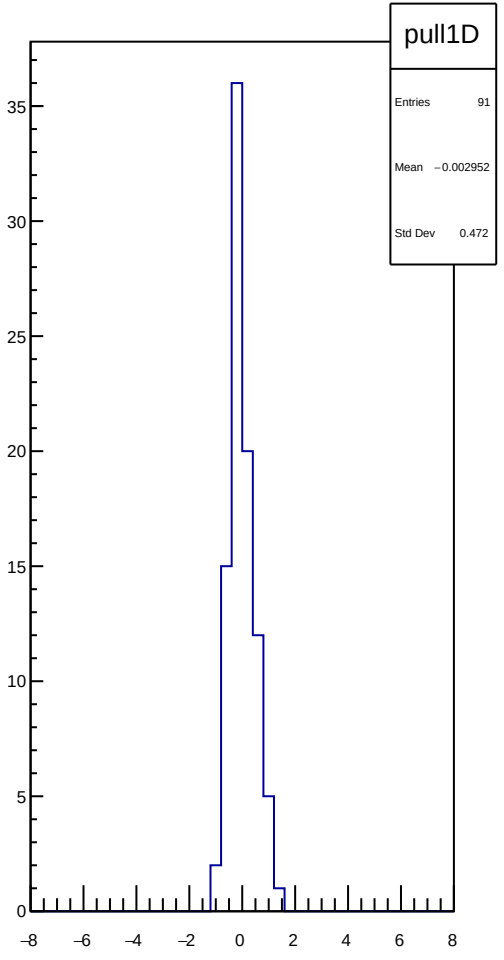

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 20.42 / 90
p0 266.4 ± 4.508
350
300
250
200
150
pull
Entries 91
Mean 354.5
Std Dev 311.6
1
0.5
0
−0.5
−1

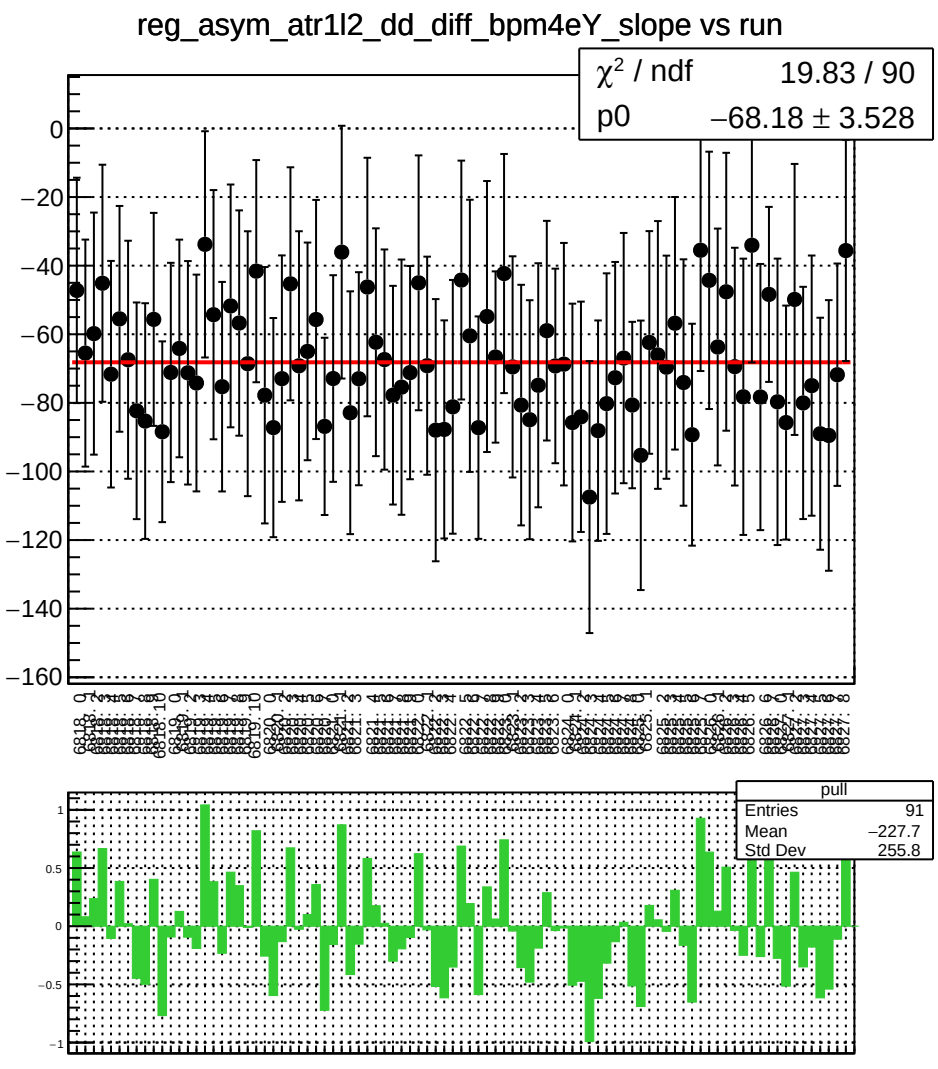

pull1D
Entries 91
Mean 0.002955
Std Dev 0.4737
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

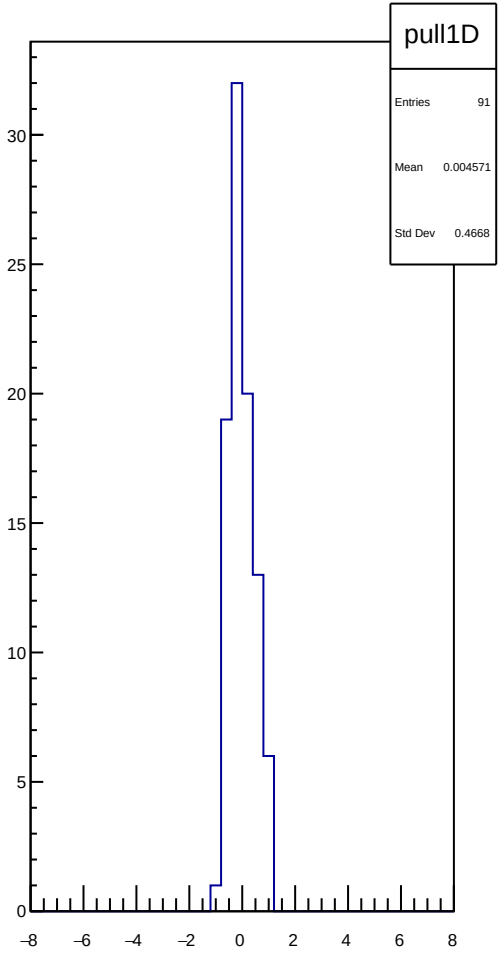

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.3 / 90
p0 −7.324 ± 3.041
pull
Entries 91
Mean 39.19
Std Dev 59.28

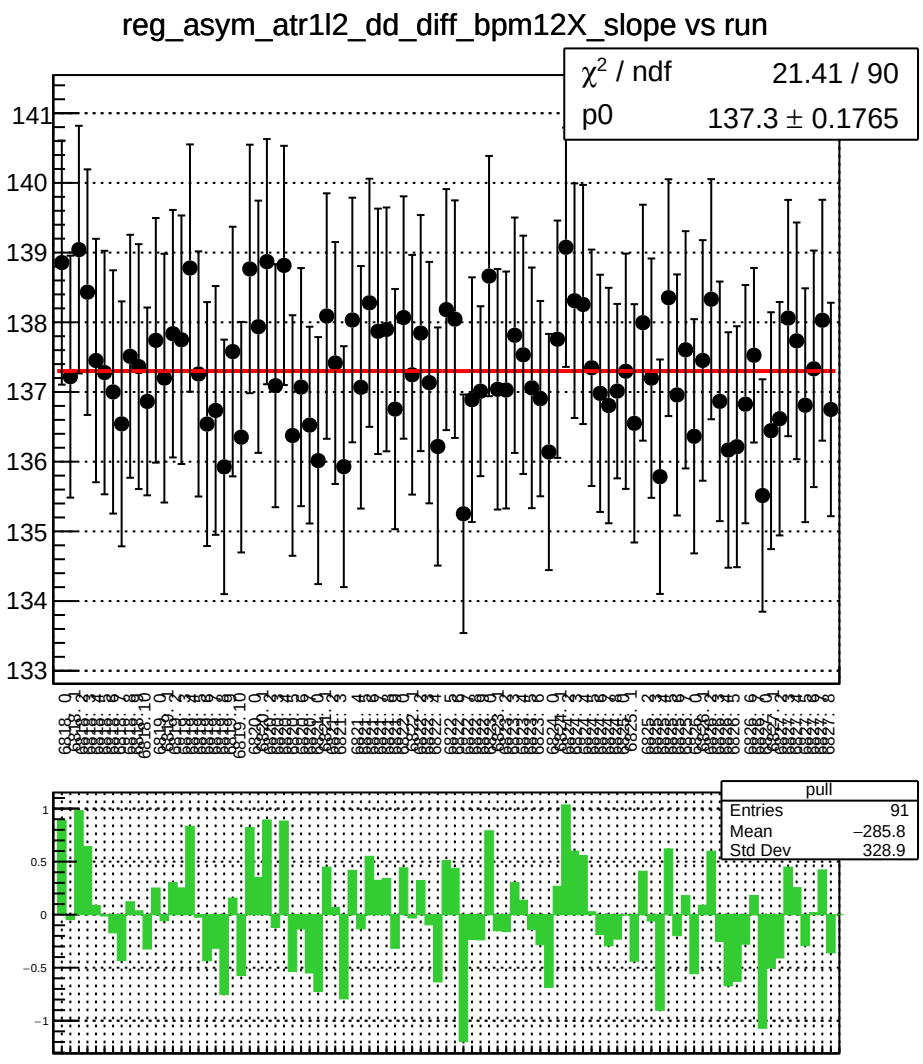

pull1D
Entries 91
Mean −0.007826
Std Dev 0.4483

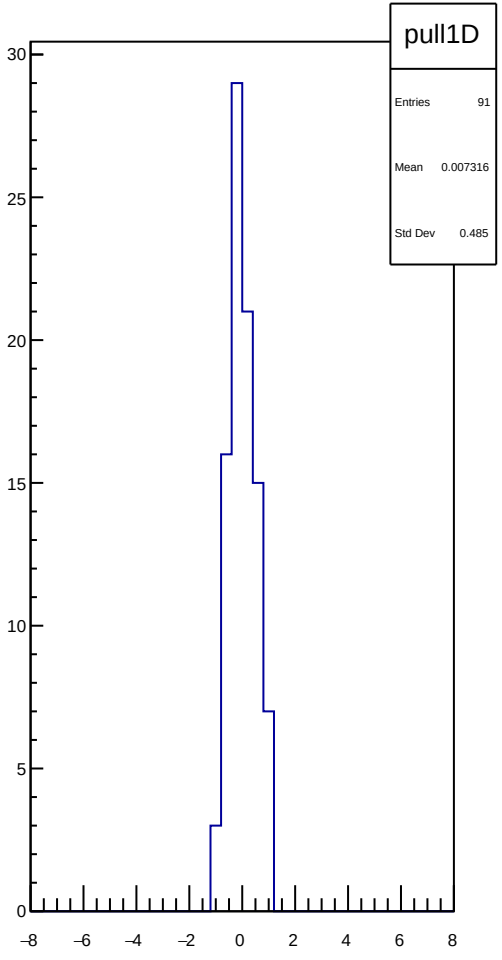

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.28 / 90
p0 −244.5 ± 4.216
pull
Entries 91
Mean 272
Std Dev 230.7

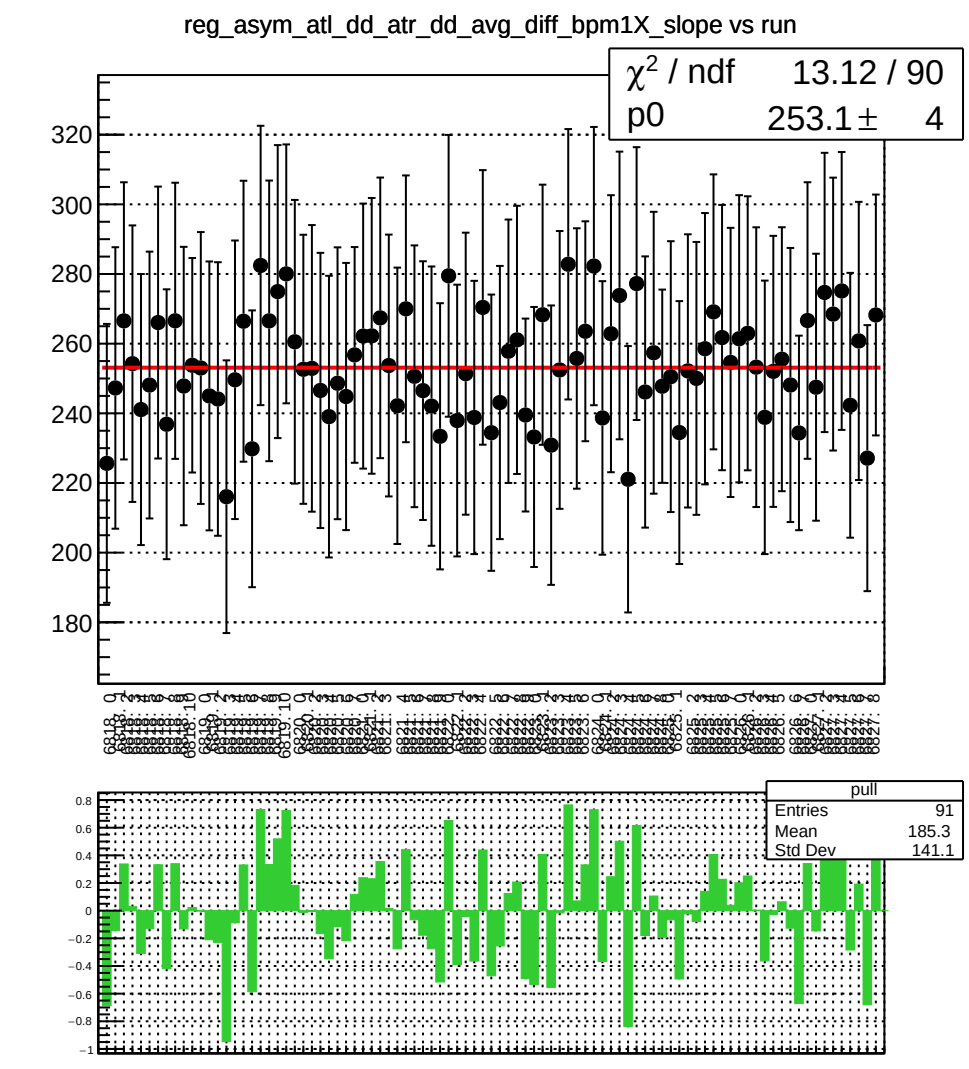

pull1D
Entries 91
Mean −0.002952
Std Dev 0.472

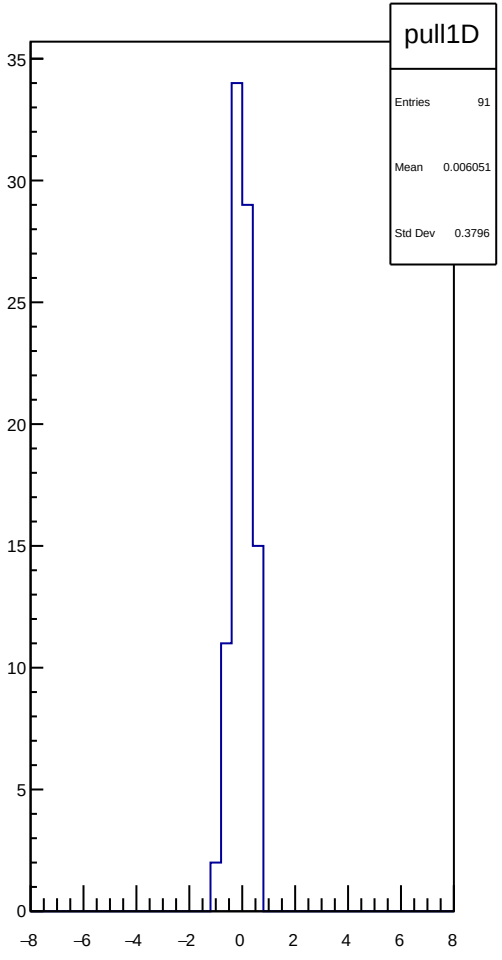

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.83 / 90
p0 −68.18 ± 3.528
pull
Entries 91
Mean −227.7
Std Dev 255.8

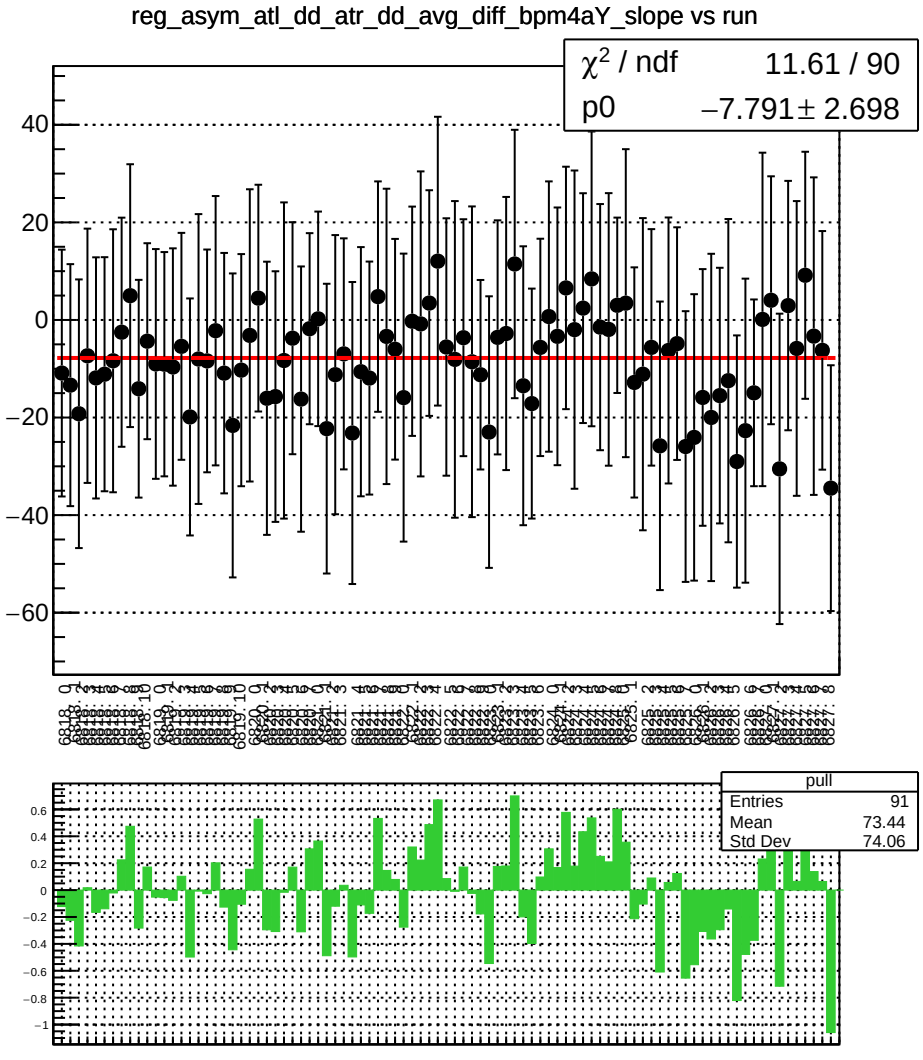

pull1D
Entries 91
Mean 0.004571
Std Dev 0.4668

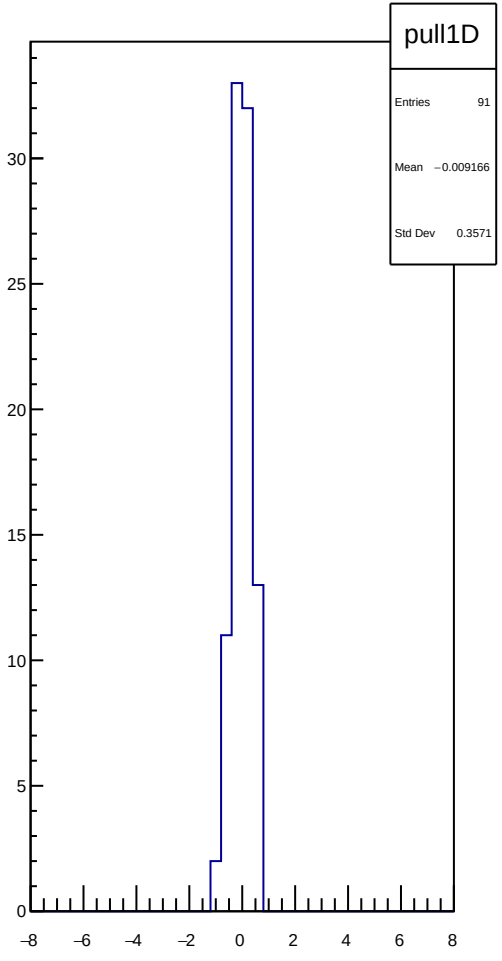

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.41 / 90
p0 137.3 ± 0.1765
pull
Entries 91
Mean −285.8
Std Dev 328.9

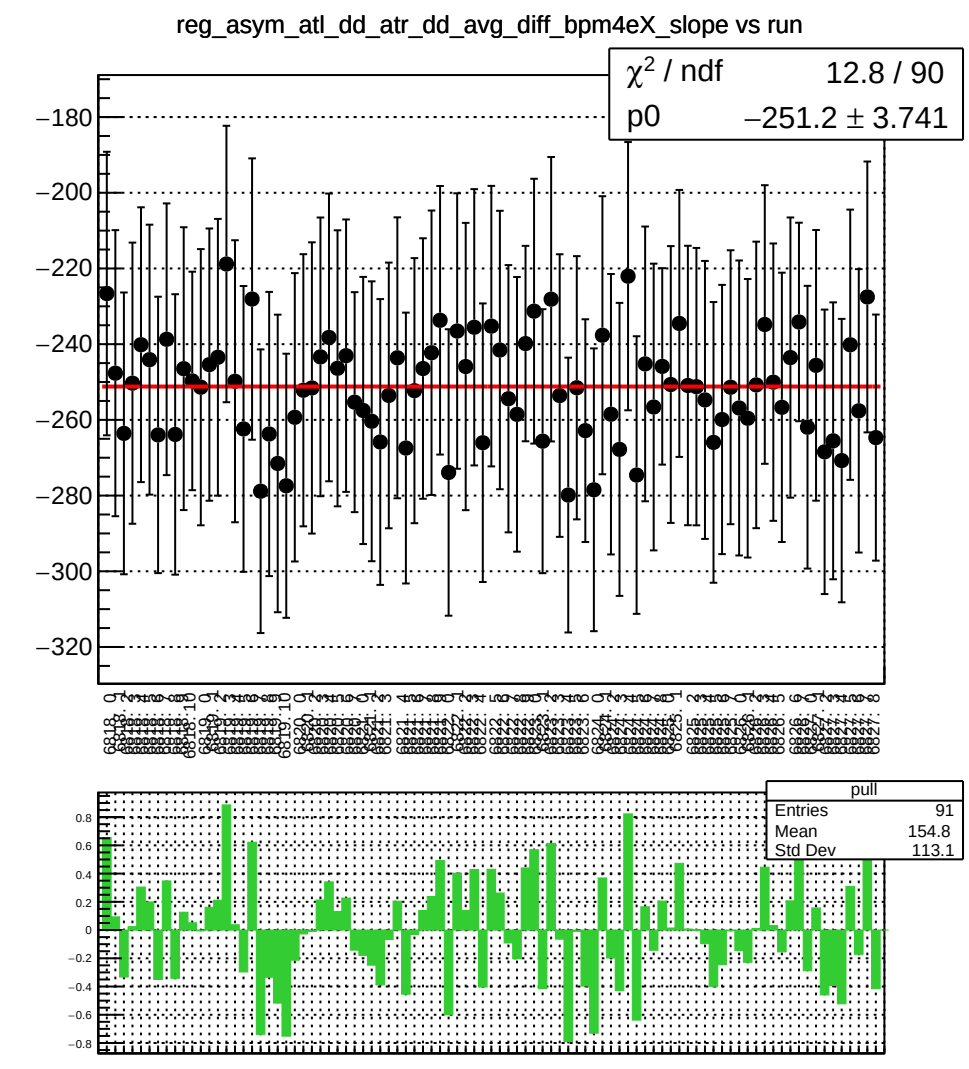

pull1D
Entries 91
Mean 0.007316
Std Dev 0.485

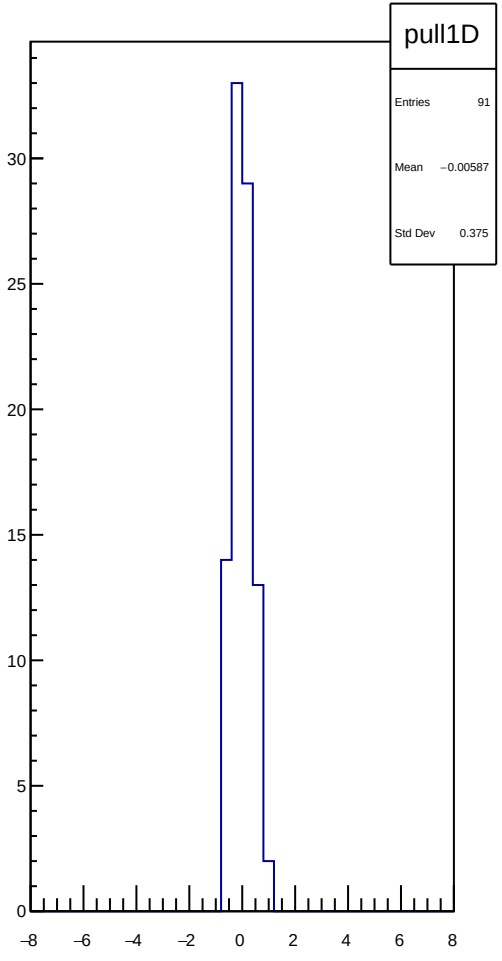

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 13.12 / 90
p0 253.1 ± 4
pull
Entries 91
Mean 185.3
Std Dev 141.1

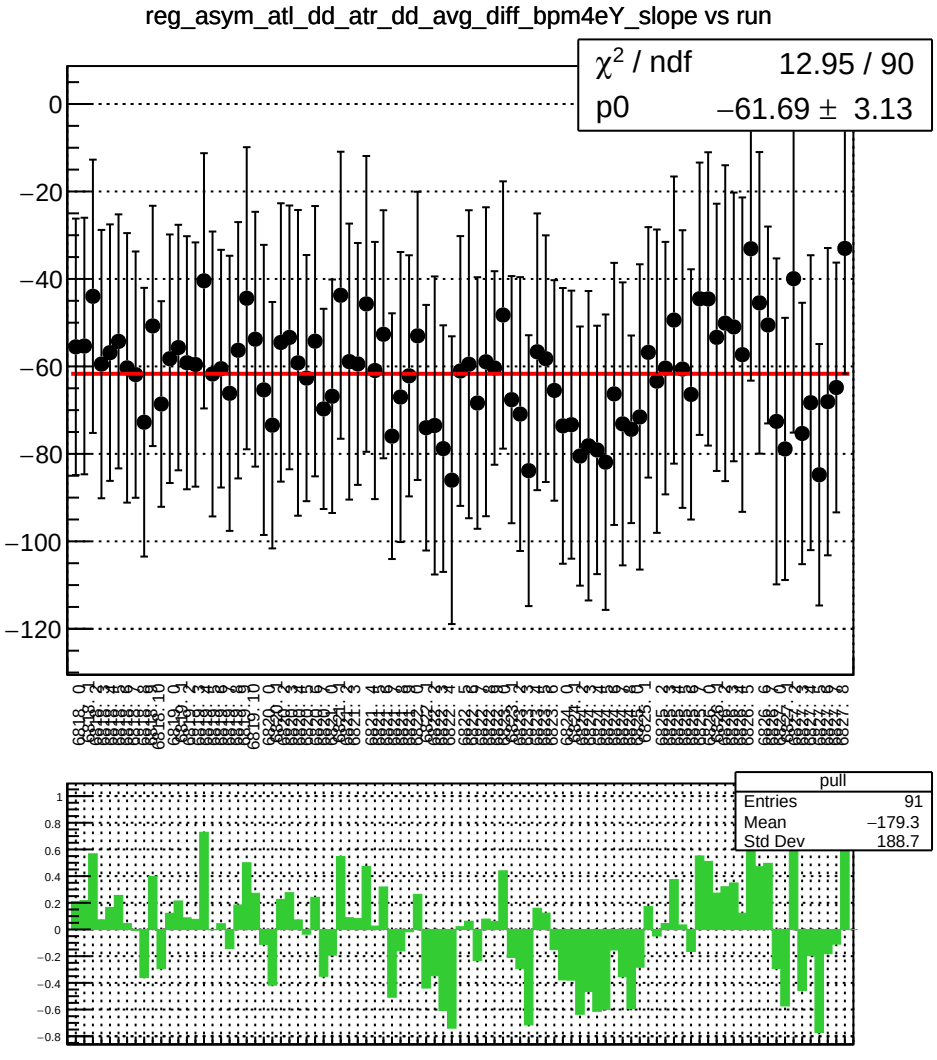

pull1D
Entries 91
Mean 0.006051
Std Dev 0.3796

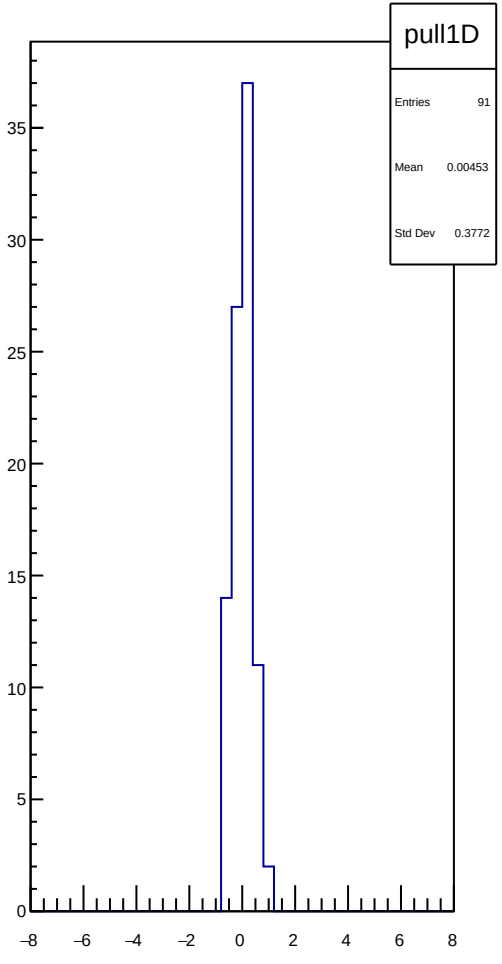

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.61 / 90
p0 −7.791 ± 2.698
pull
Entries 91
Mean 73.44
Std Dev 74.06

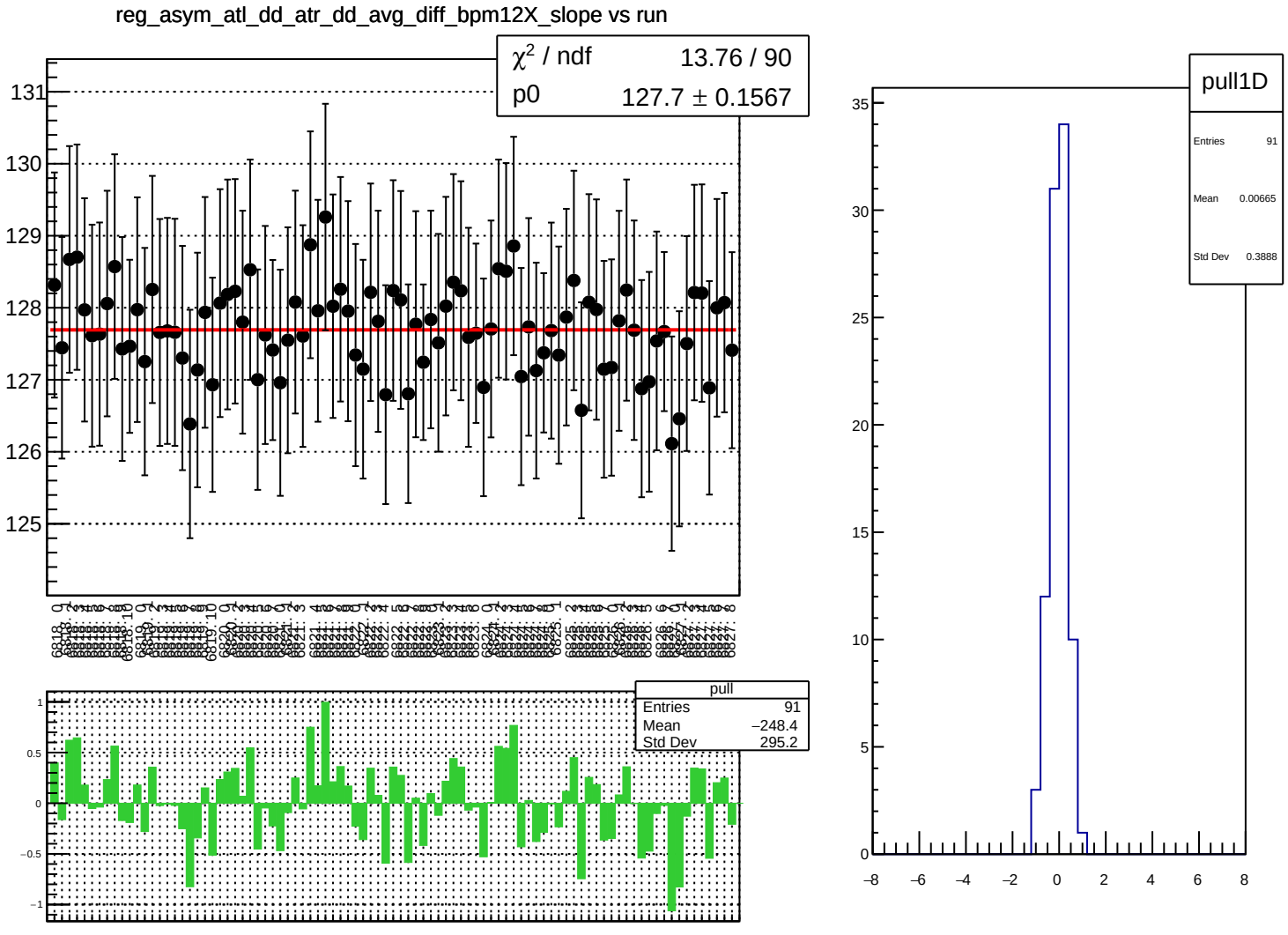

pull1D
Entries 91
Mean −0.009166
Std Dev 0.3571

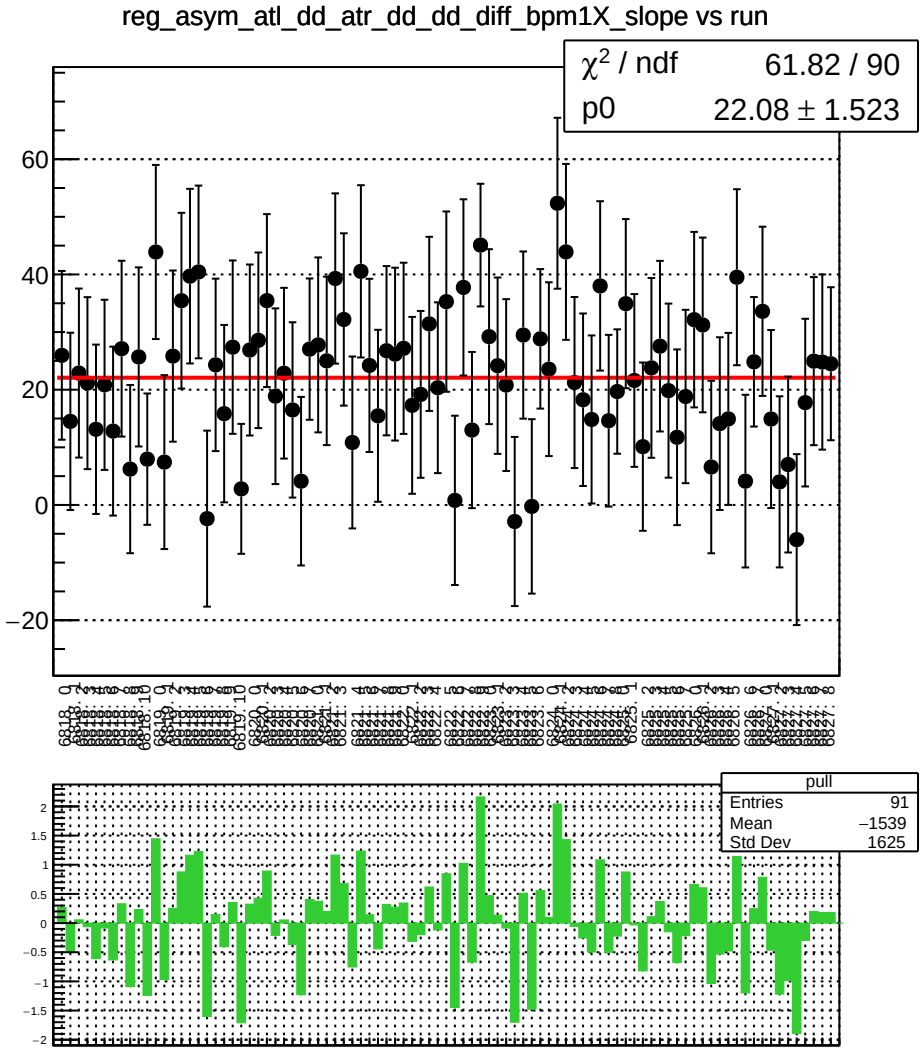

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.8 / 90
p0 −251.2 ± 3.741
pull
Entries 91
Mean 154.8
Std Dev 113.1

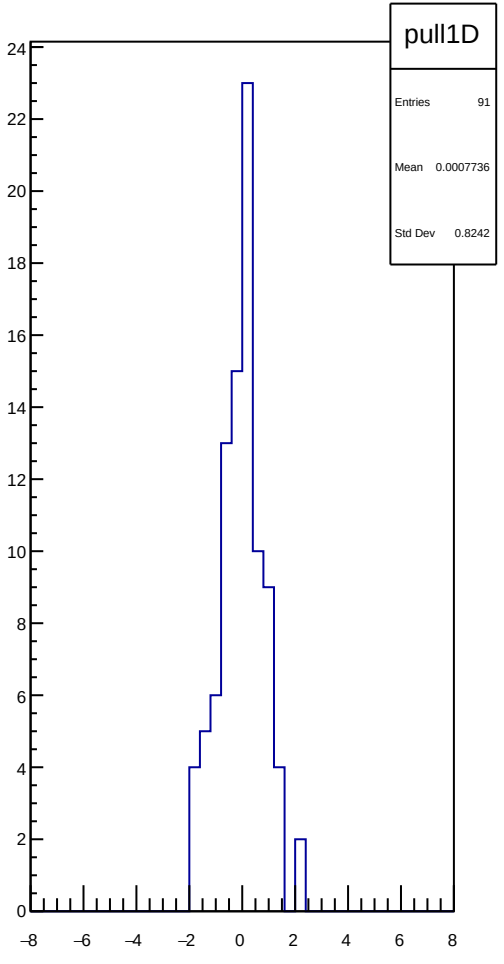

pull1D
Entries 91
Mean −0.00587
Std Dev 0.375

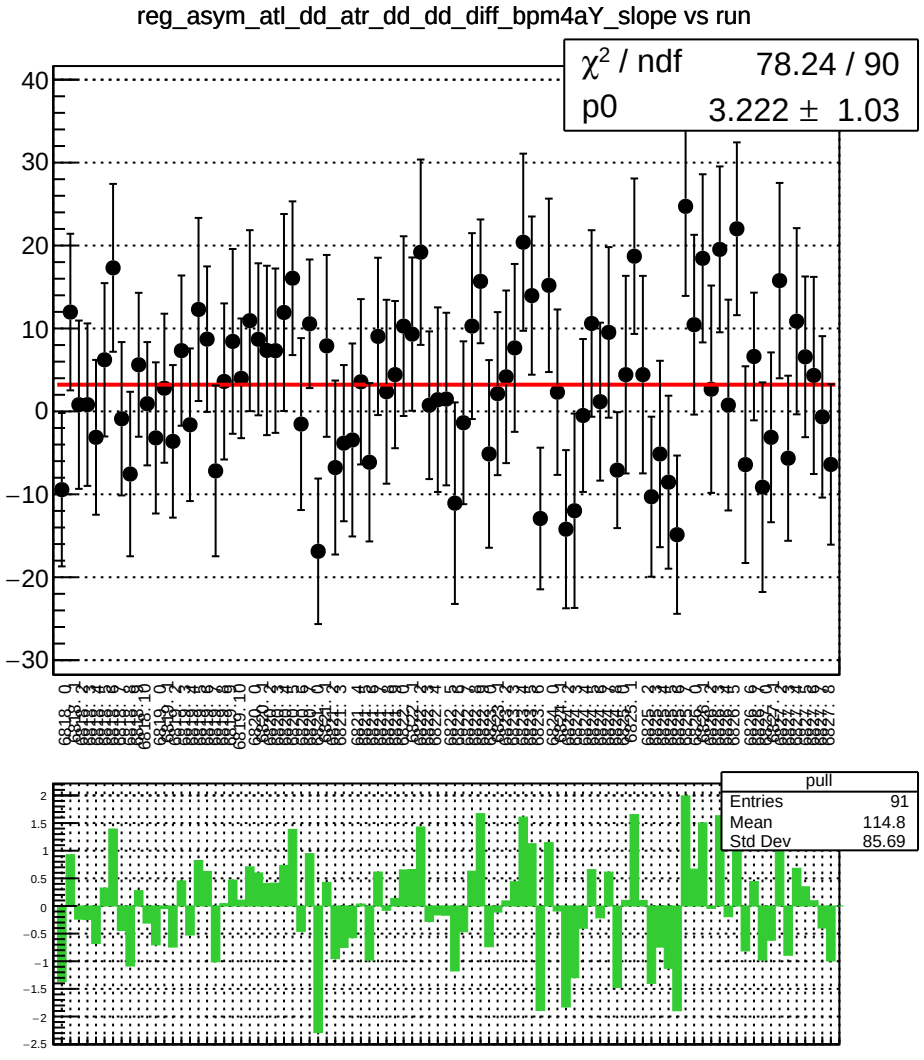

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.95 / 90
p0 −61.69 ± 3.13
pull
Entries 91
Mean −179.3
Std Dev 188.7

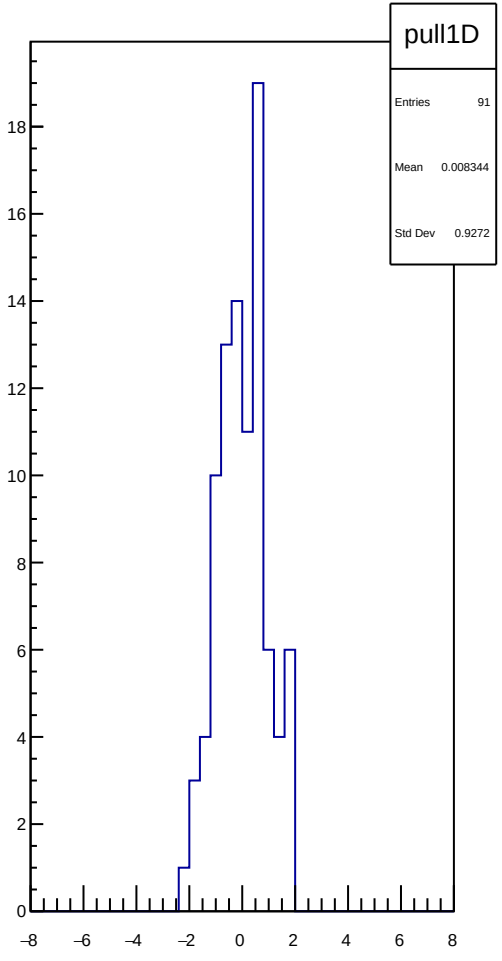

pull1D
Entries 91
Mean 0.00453
Std Dev 0.3772

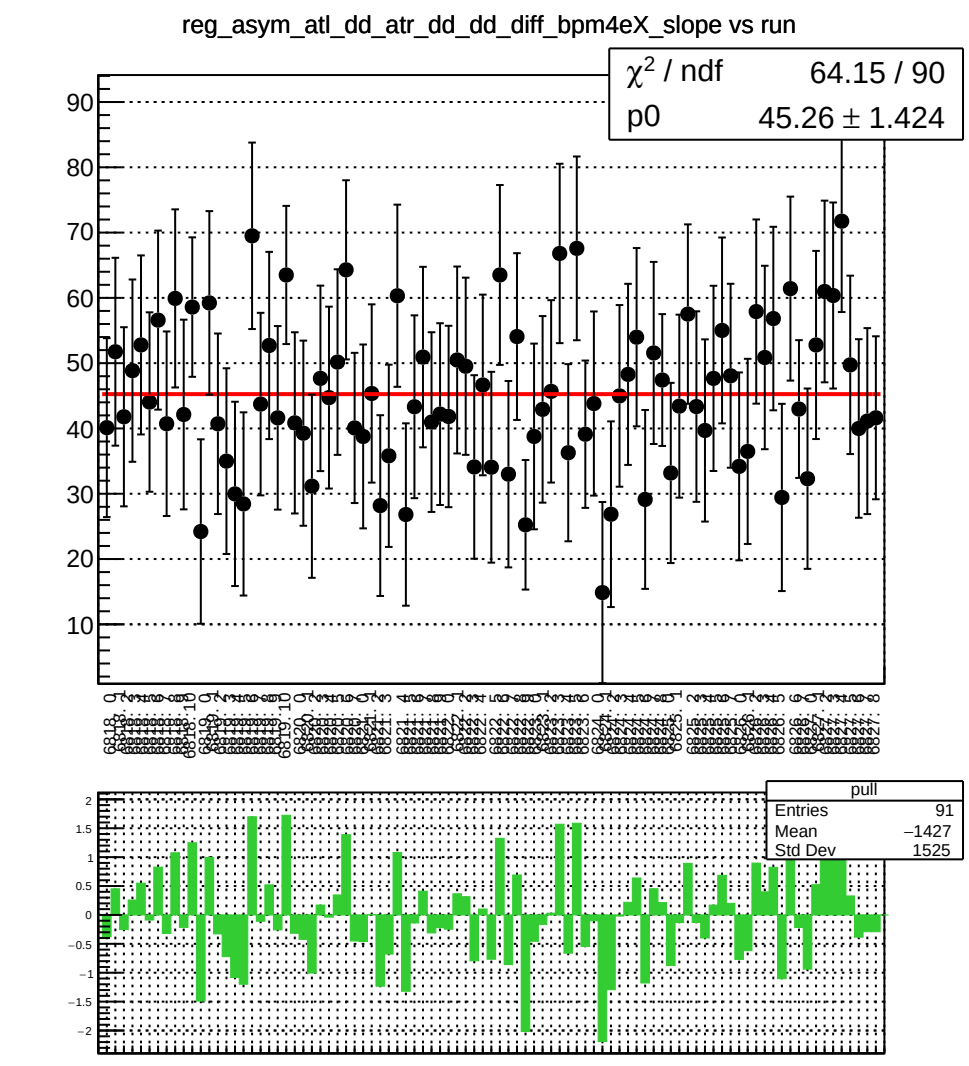

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.76 / 90
p0 127.7 ± 0.1567
131
130
129
128
127
126
125
pull
Entries 91
Mean −248.4
Std Dev 295.2
1
0.5
0
−0.5
−1
pull1D
Entries 91
Mean 0.00665
Std Dev 0.3888
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

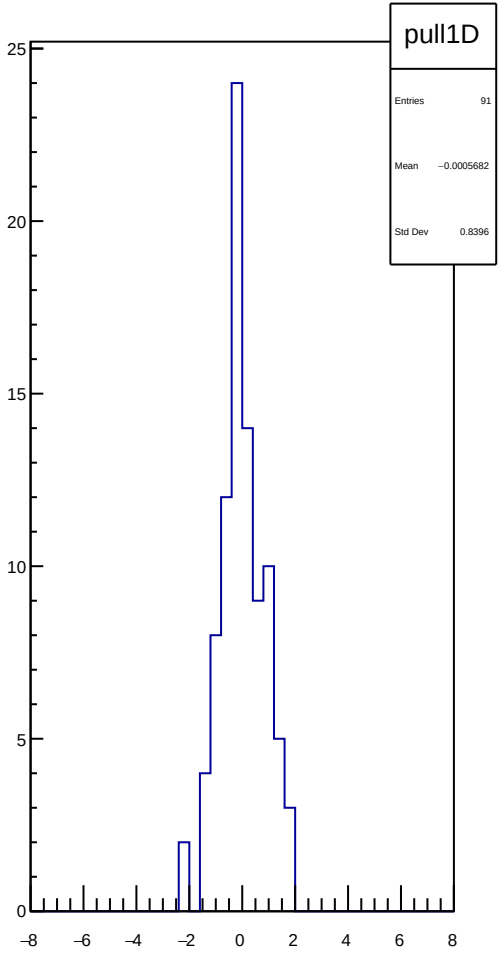

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 61.82 / 90
p0 22.08 ± 1.523
pull
Entries 91
Mean −1539
Std Dev 1625

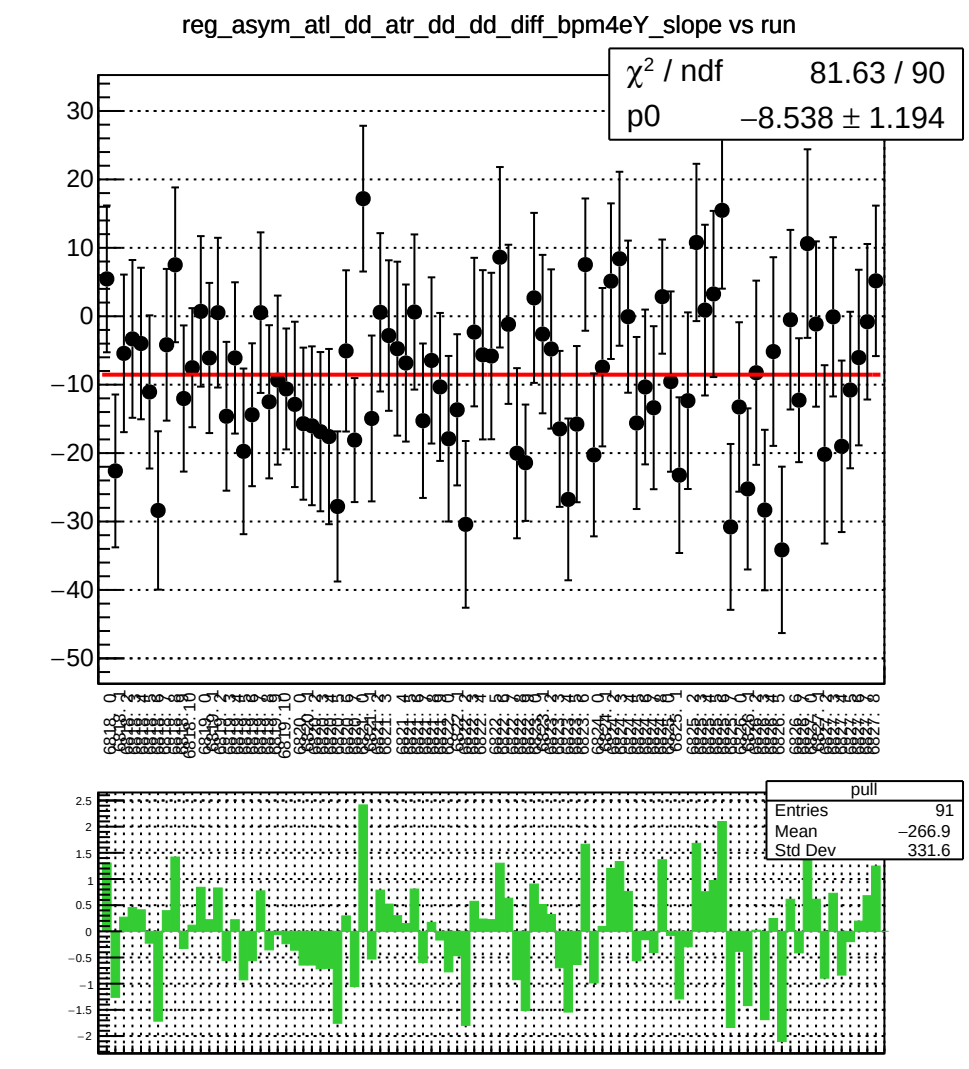

pull1D
Entries 91
Mean 0.0007736
Std Dev 0.8242

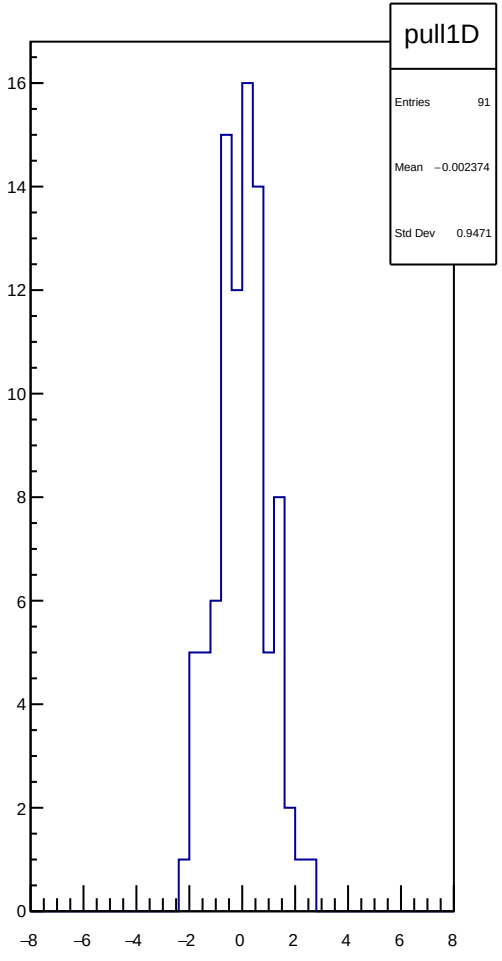

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.24 / 90
p0 3.222 ± 1.03
pull
Entries 91
Mean 114.8
Std Dev 85.69

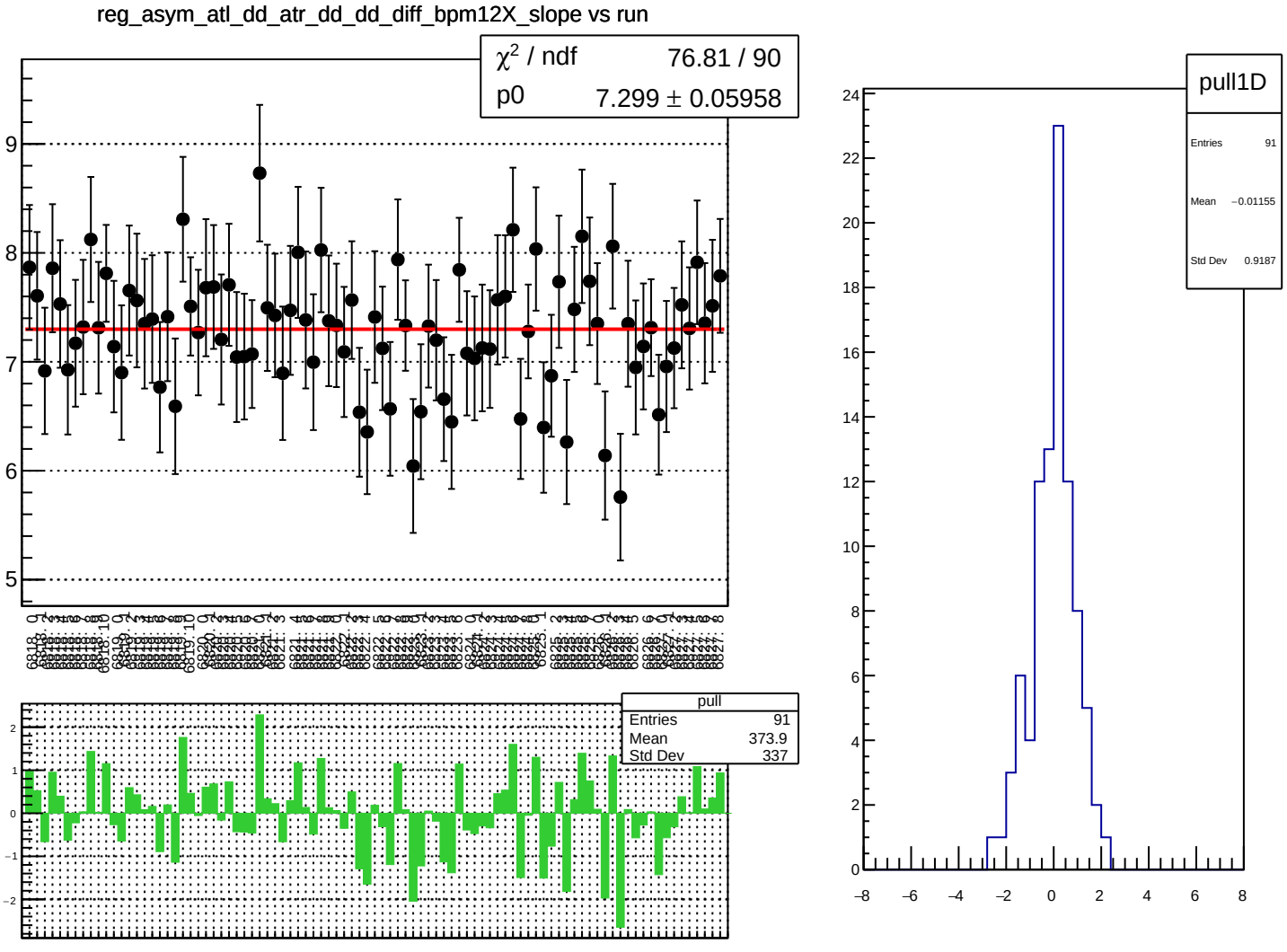

pull1D
Entries 91
Mean 0.008344
Std Dev 0.9272

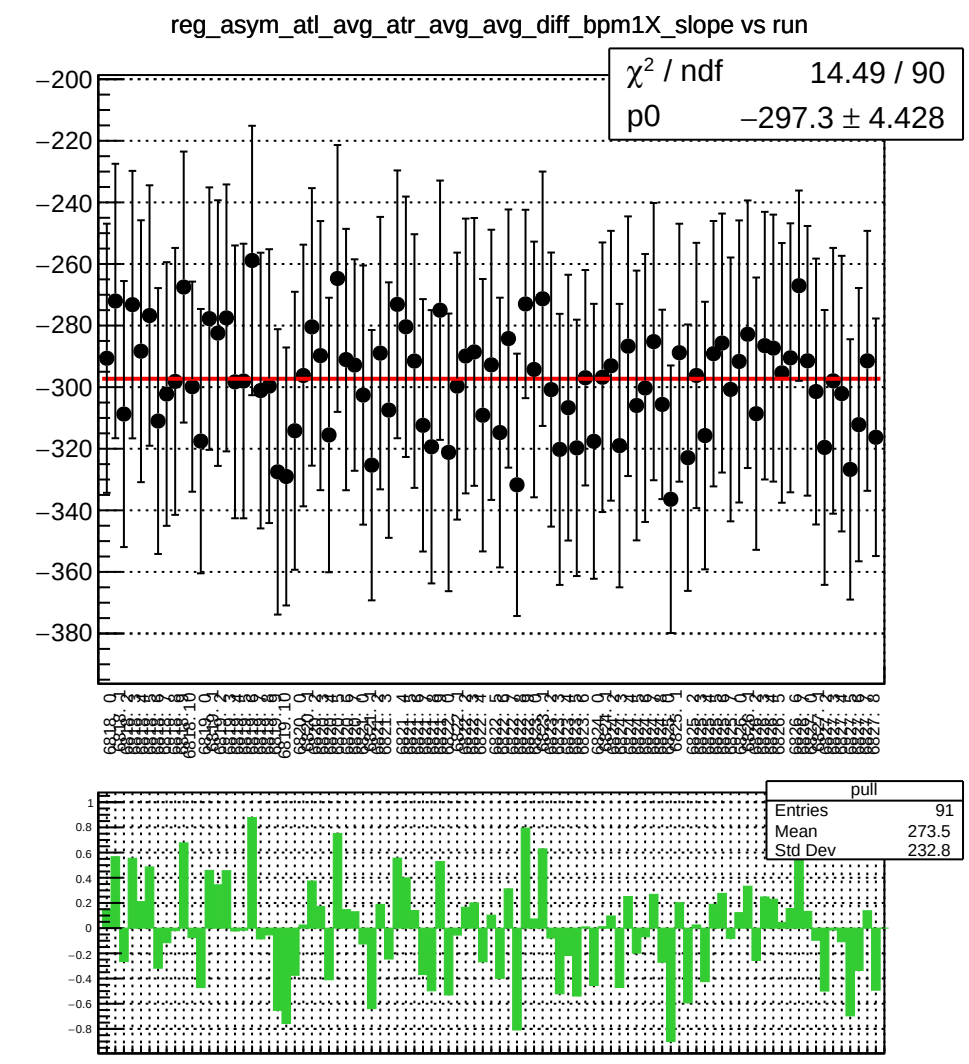

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.15 / 90
p0 45.26 ± 1.424
pull
Entries 91
Mean −1427
Std Dev 1525

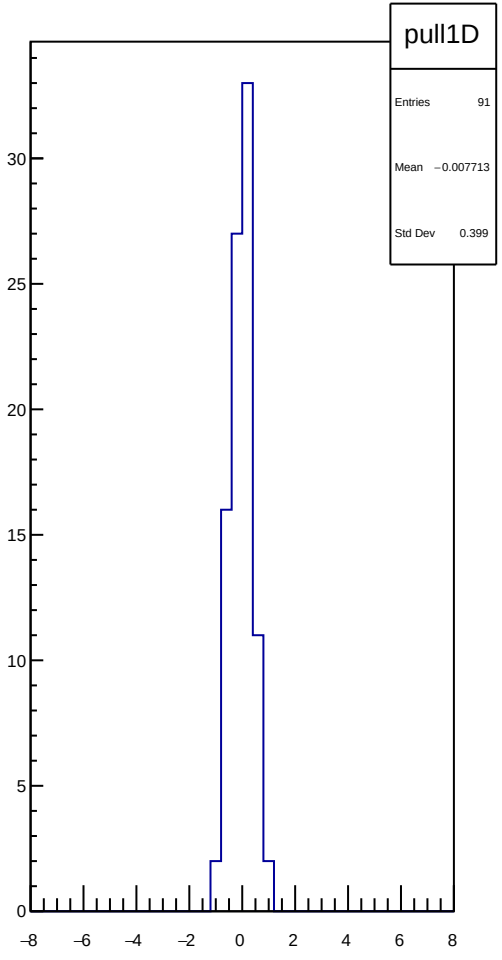

pull1D
Entries 91
Mean −0.0005682
Std Dev 0.8396

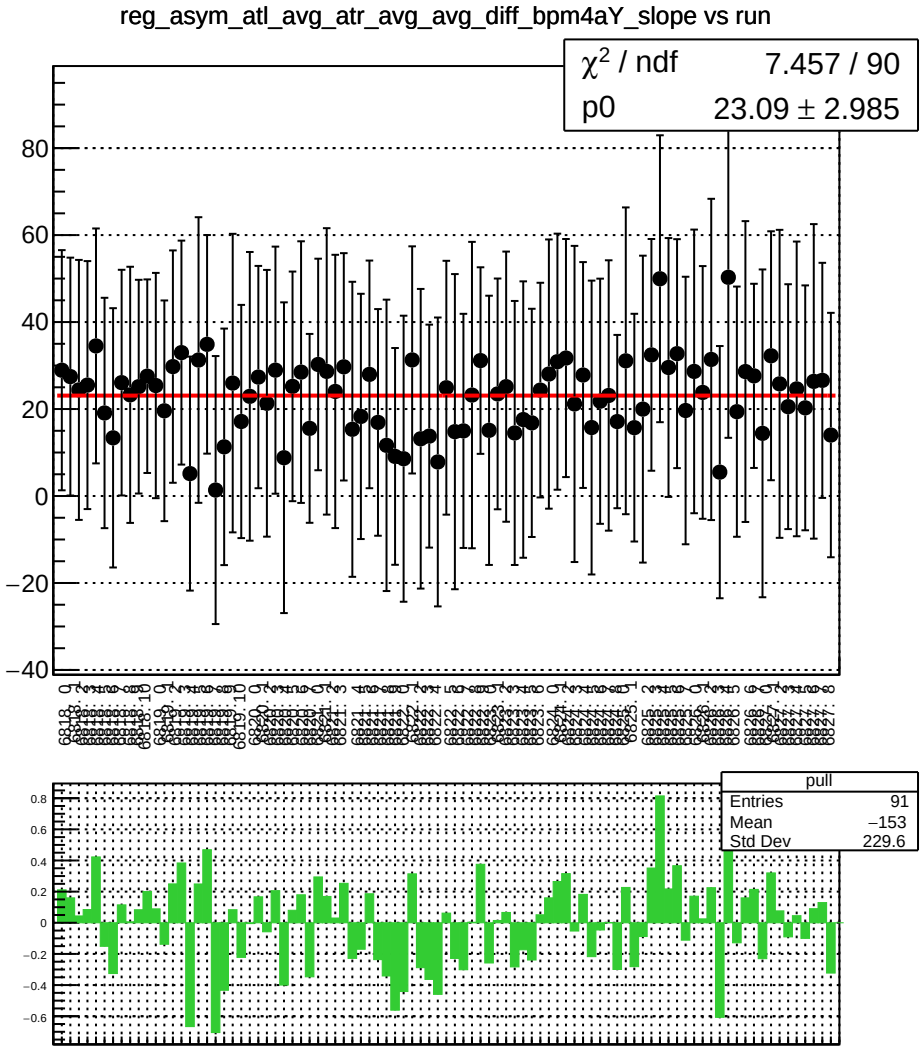

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.63 / 90
p0 −8.538 ± 1.194
pull
Entries 91
Mean −266.9
Std Dev 331.6

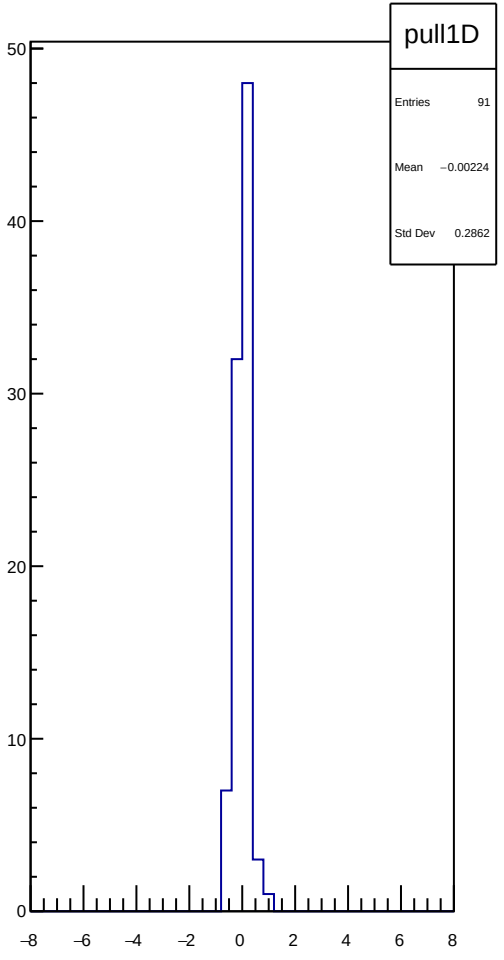

pull1D
Entries 91
Mean −0.002374
Std Dev 0.9471

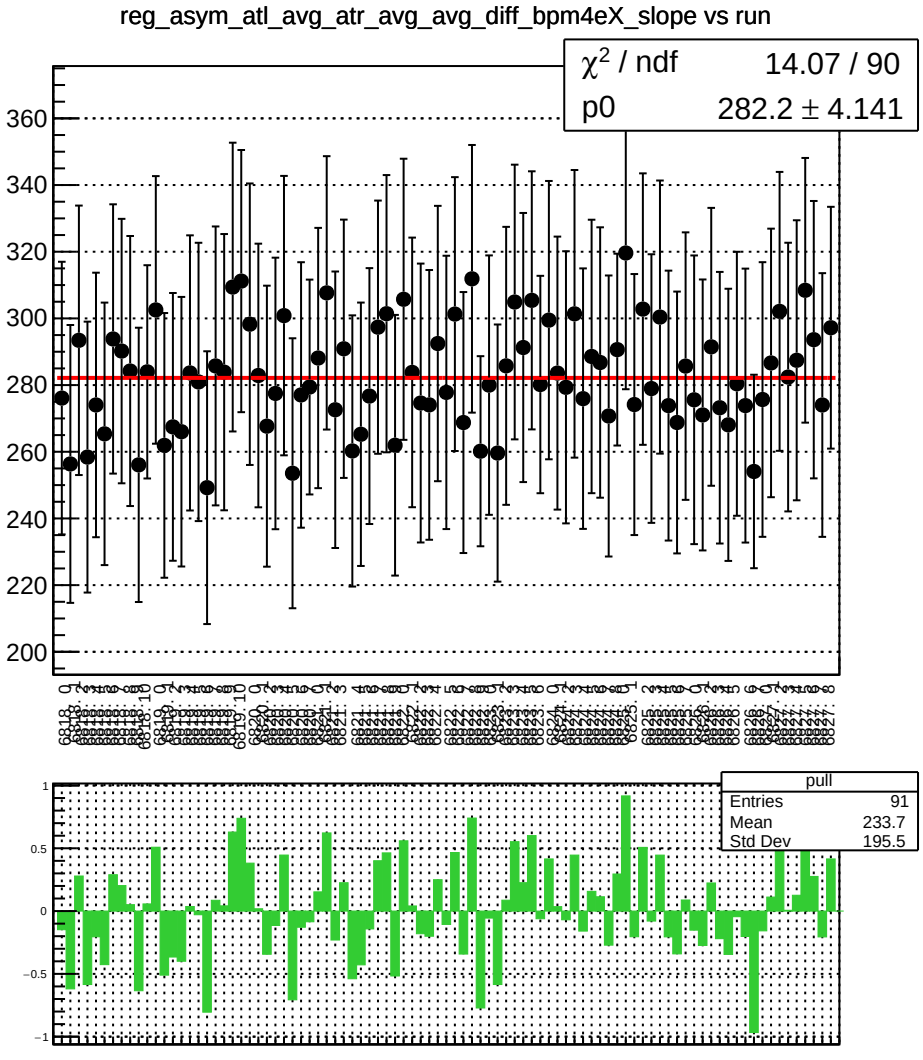

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 76.81 / 90
p0 7.299 ± 0.05958
pull
Entries 91
Mean 373.9
Std Dev 337
pull1D
Entries 91
Mean −0.01155
Std Dev 0.9187

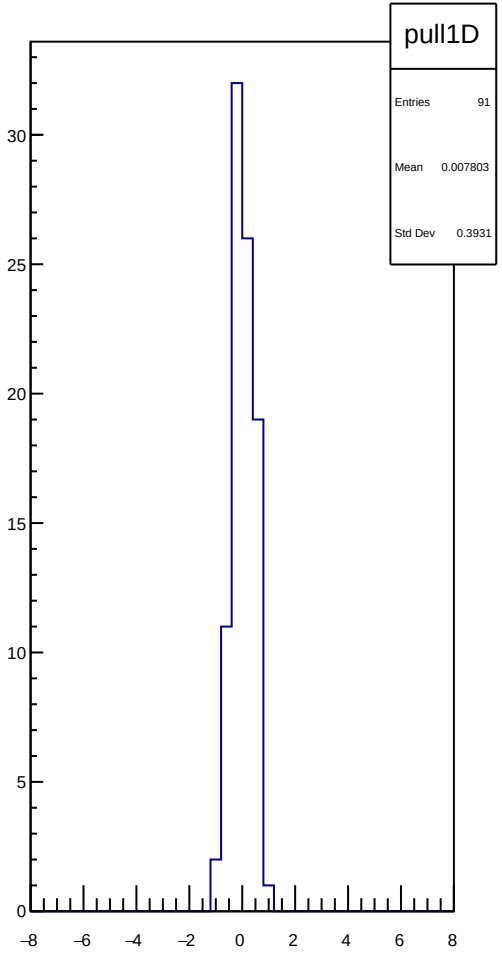

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 14.49 / 90
p0 −297.3 ± 4.428
pull
Entries 91
Mean 273.5
Std Dev 232.8

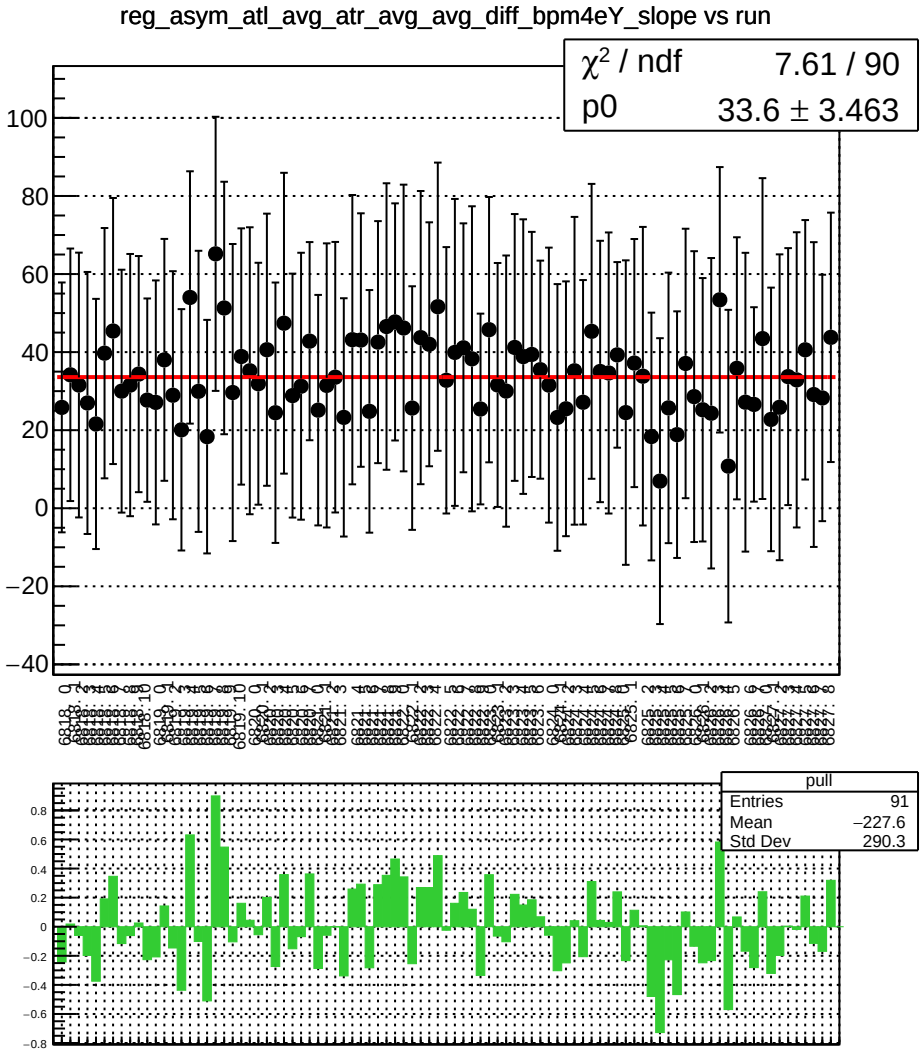

pull1D
Entries 91
Mean −0.007713
Std Dev 0.399

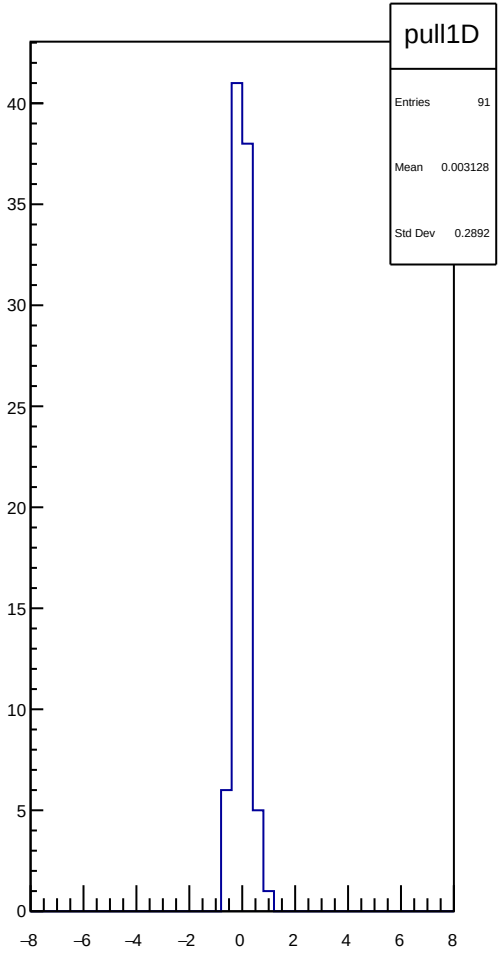

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.457 / 90
p0 23.09 ± 2.985
pull
Entries 91
Mean −153
Std Dev 229.6

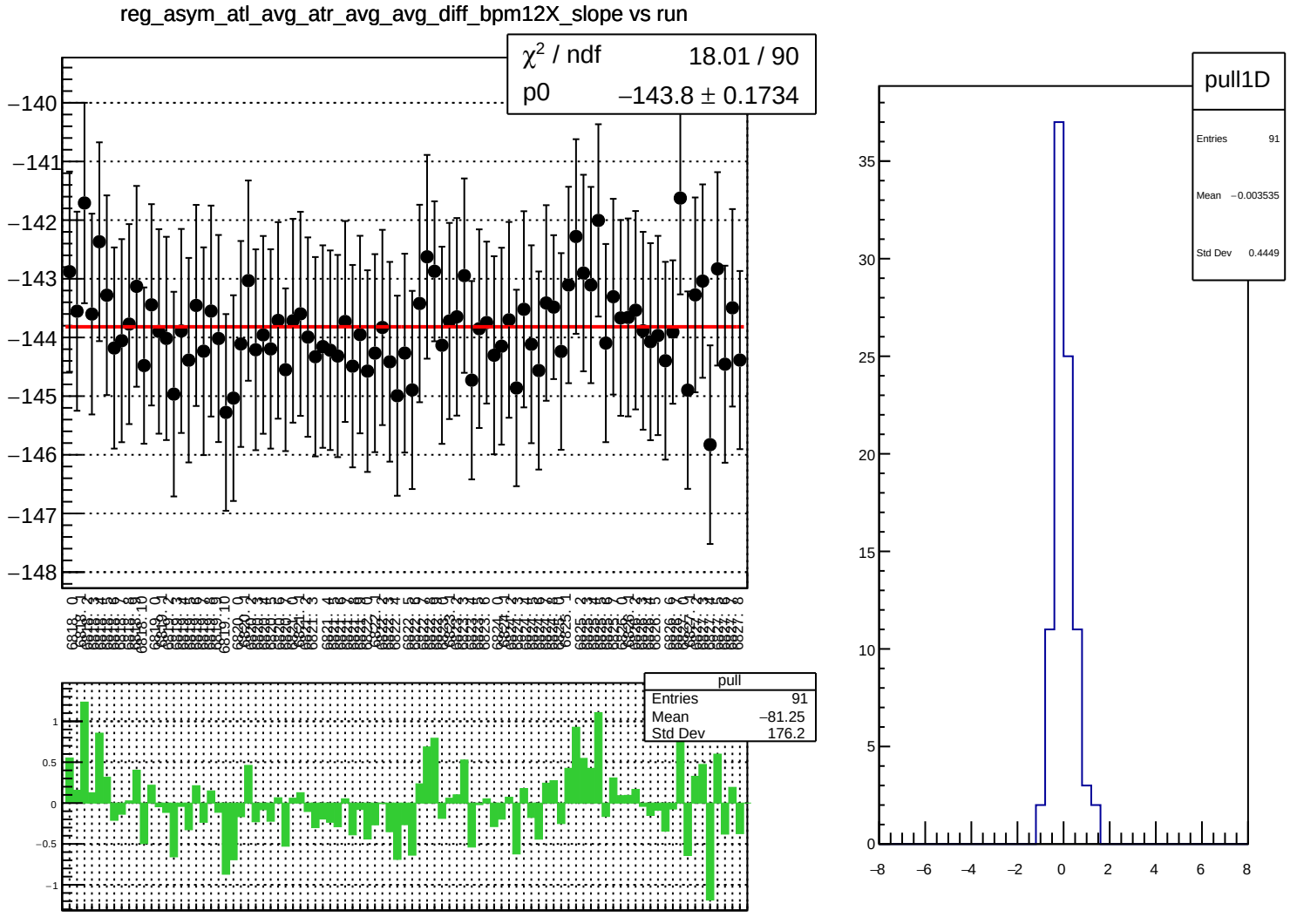

pull1D
Entries 91
Mean −0.00224
Std Dev 0.2862

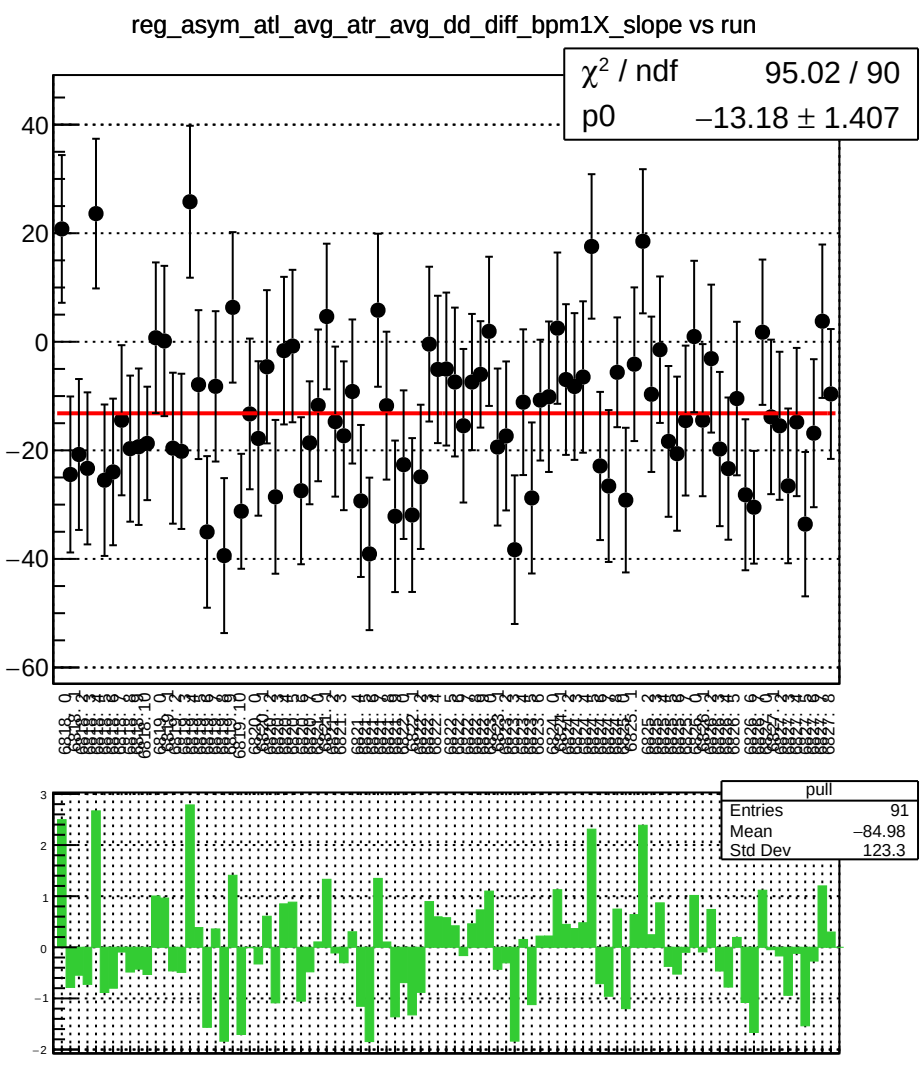

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.07 / 90
p0 282.2 ± 4.141
pull
Entries 91
Mean 233.7
Std Dev 195.5

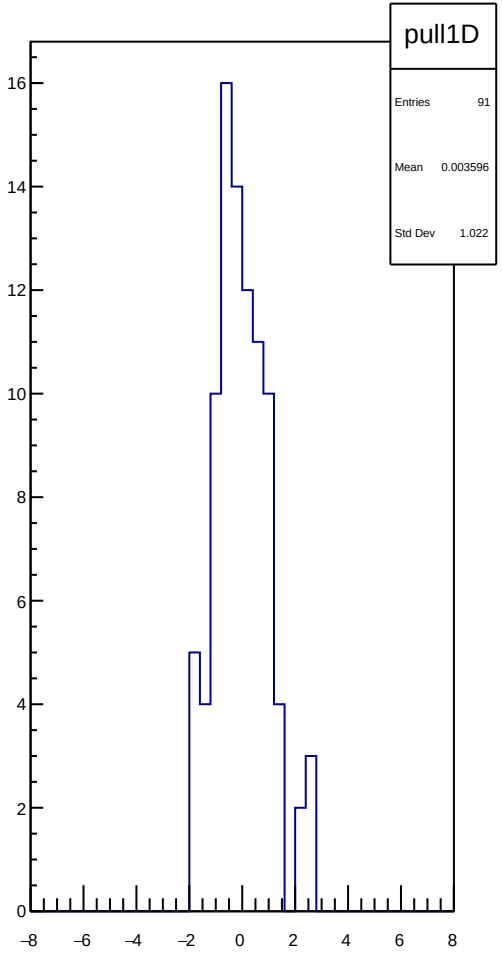

pull1D
Entries 91
Mean 0.007803
Std Dev 0.3931

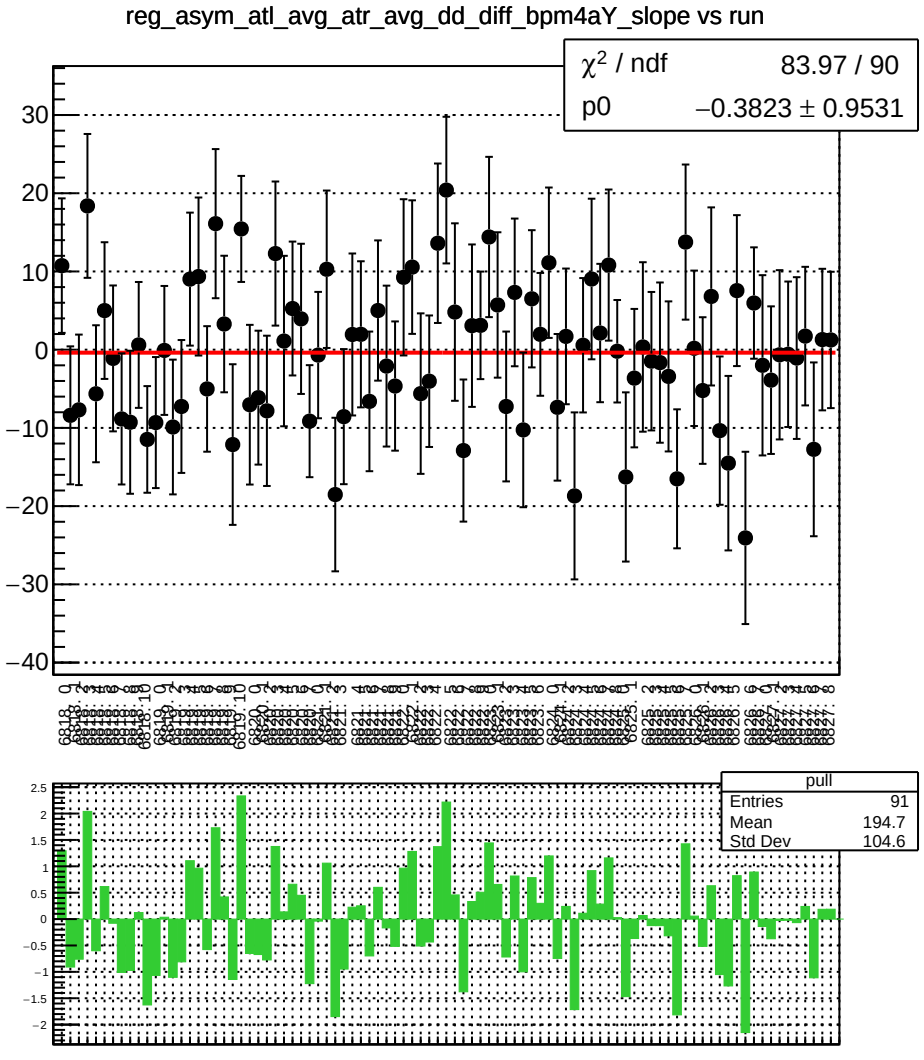

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.61 / 90
p0 33.6 ± 3.463
pull
Entries 91
Mean −227.6
Std Dev 290.3

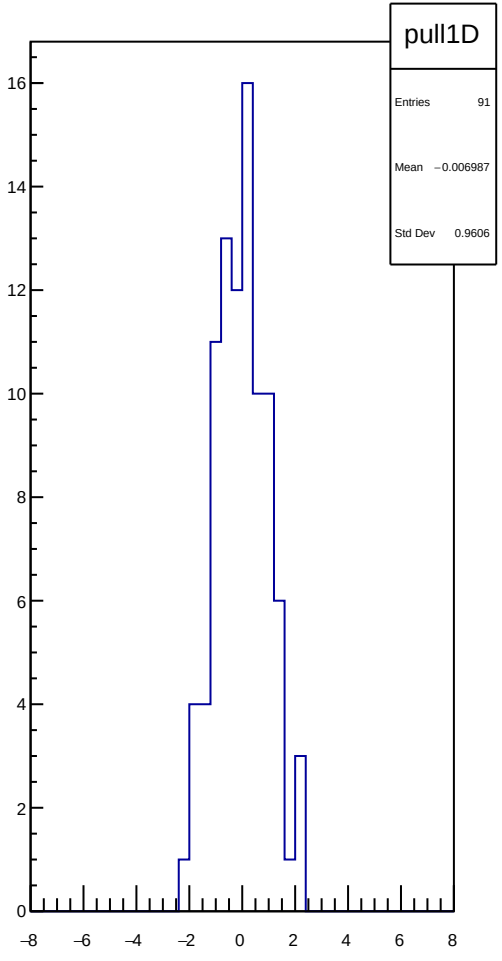

pull1D
Entries 91
Mean 0.003128
Std Dev 0.2892

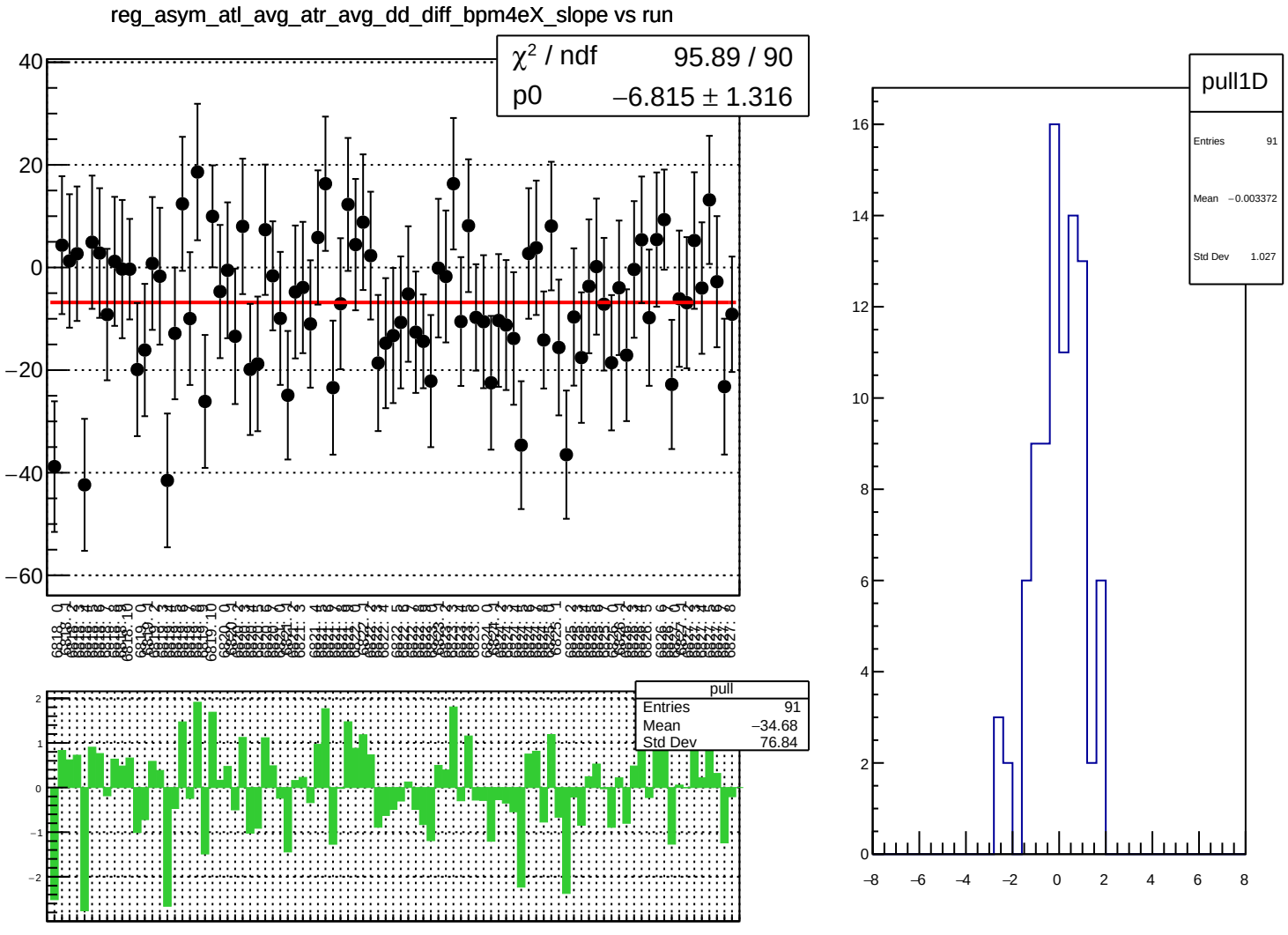

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 18.01 / 90
p0 −143.8 ± 0.1734
pull
Entries 91
Mean −81.25
Std Dev 176.2
pull1D
Entries 91
Mean −0.003535
Std Dev 0.4449

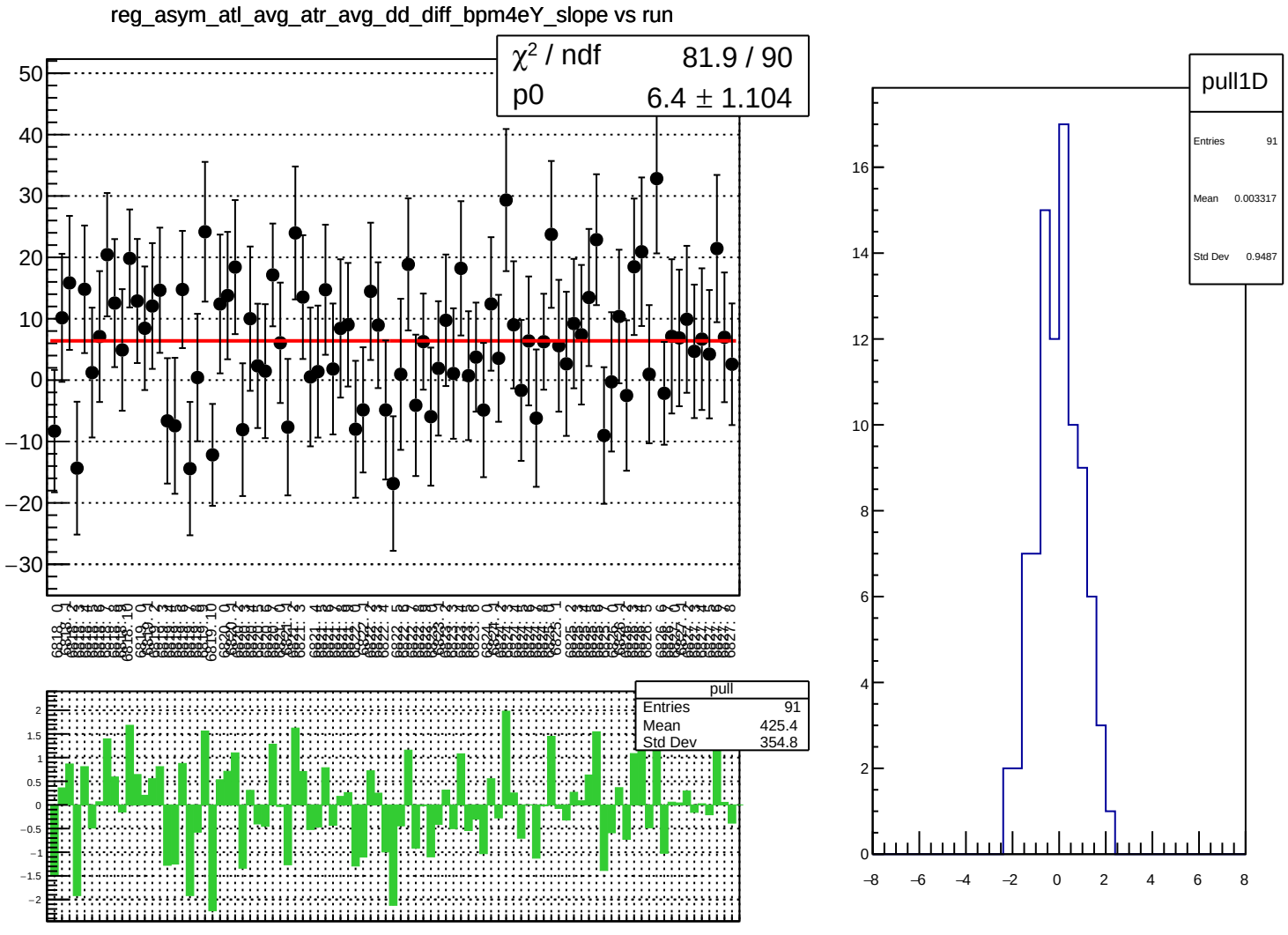

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 95.02 / 90
p0 −13.18 ± 1.407
pull
Entries 91
Mean −84.98
Std Dev 123.3

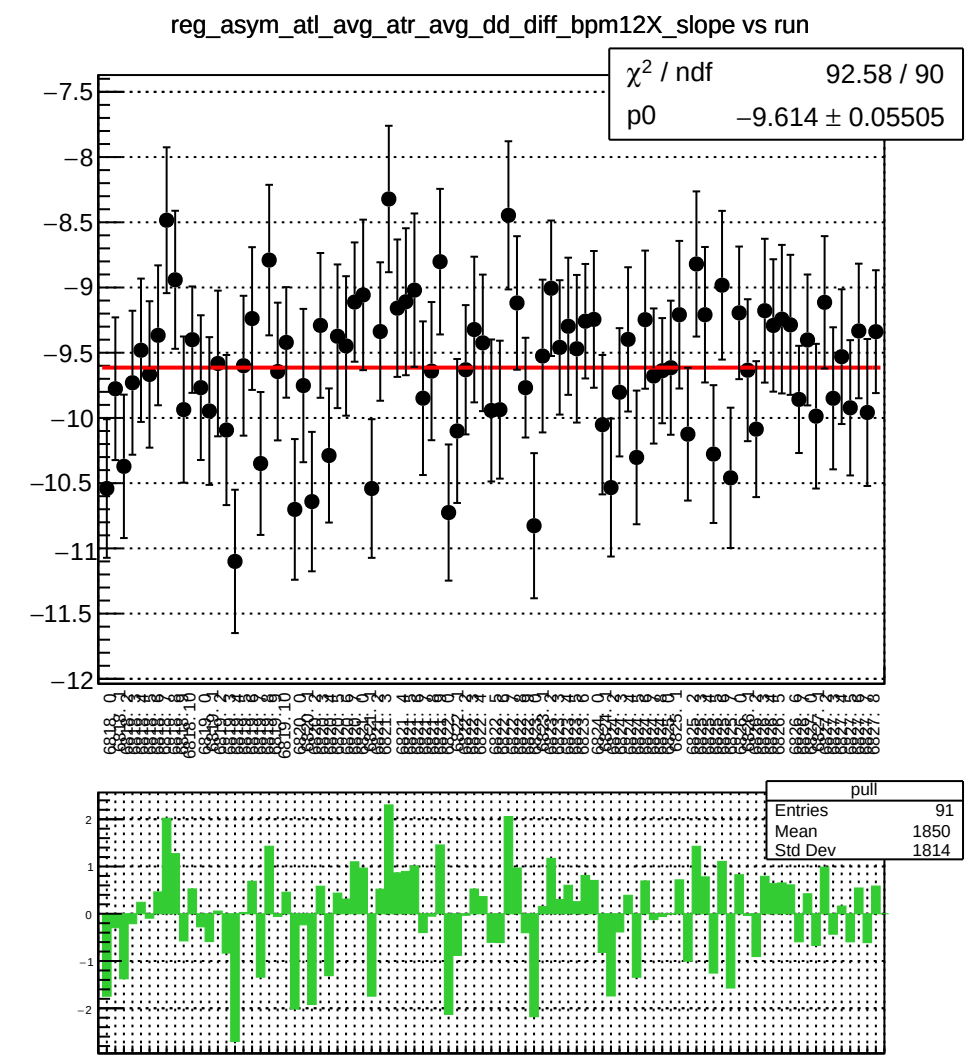

pull1D
Entries 91
Mean 0.003596
Std Dev 1.022

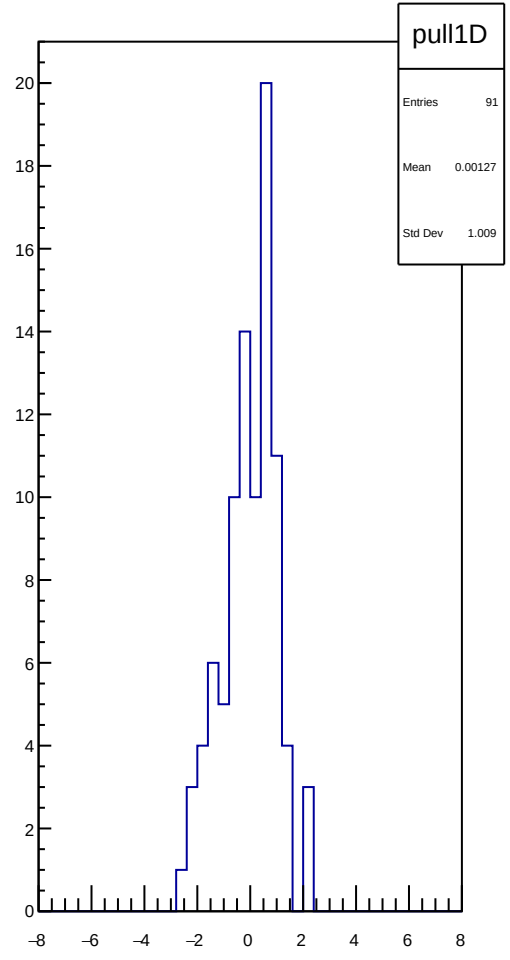

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 83.97 / 90
p0 −0.3823 ± 0.9531
pull
Entries 91
Mean 194.7
Std Dev 104.6

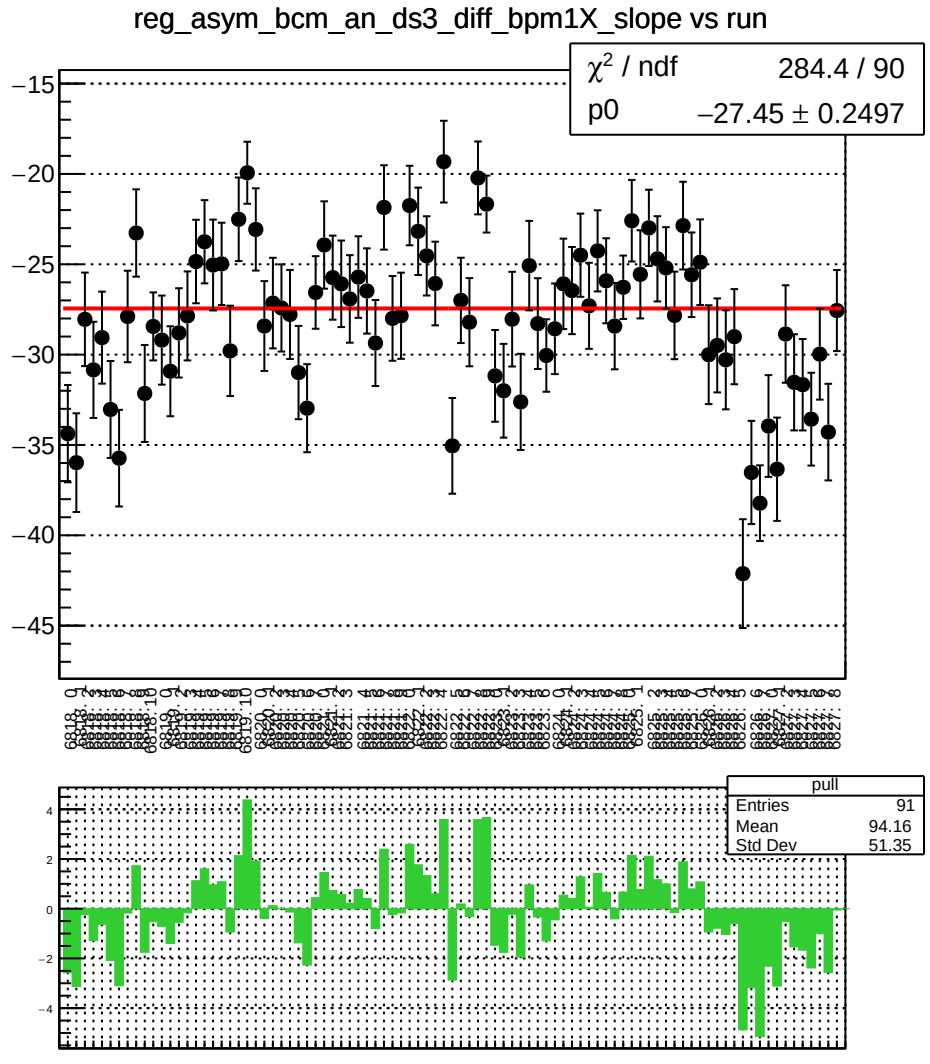

pull1D
Entries 91
Mean −0.006987
Std Dev 0.9606

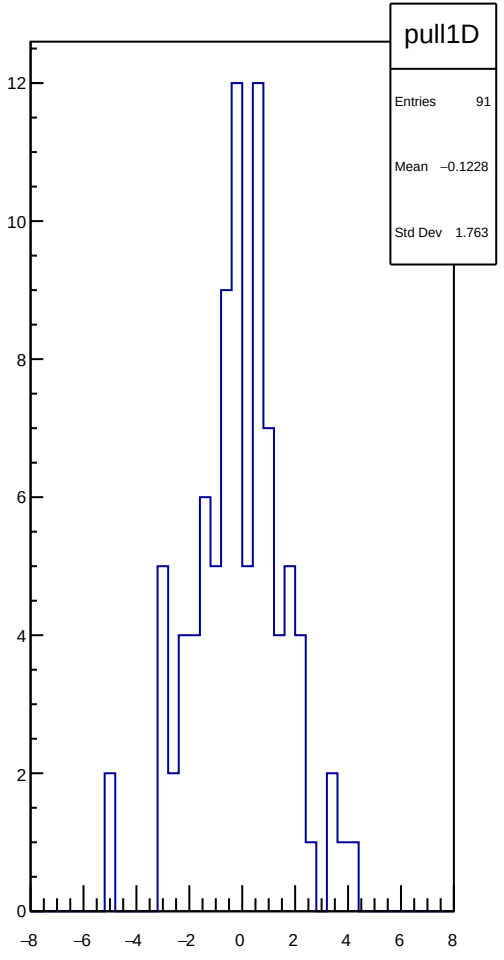

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 95.89 / 90
p0 −6.815 ± 1.316
pull
Entries 91
Mean −34.68
Std Dev 76.84
pull1D
Entries 91
Mean −0.003372
Std Dev 1.027

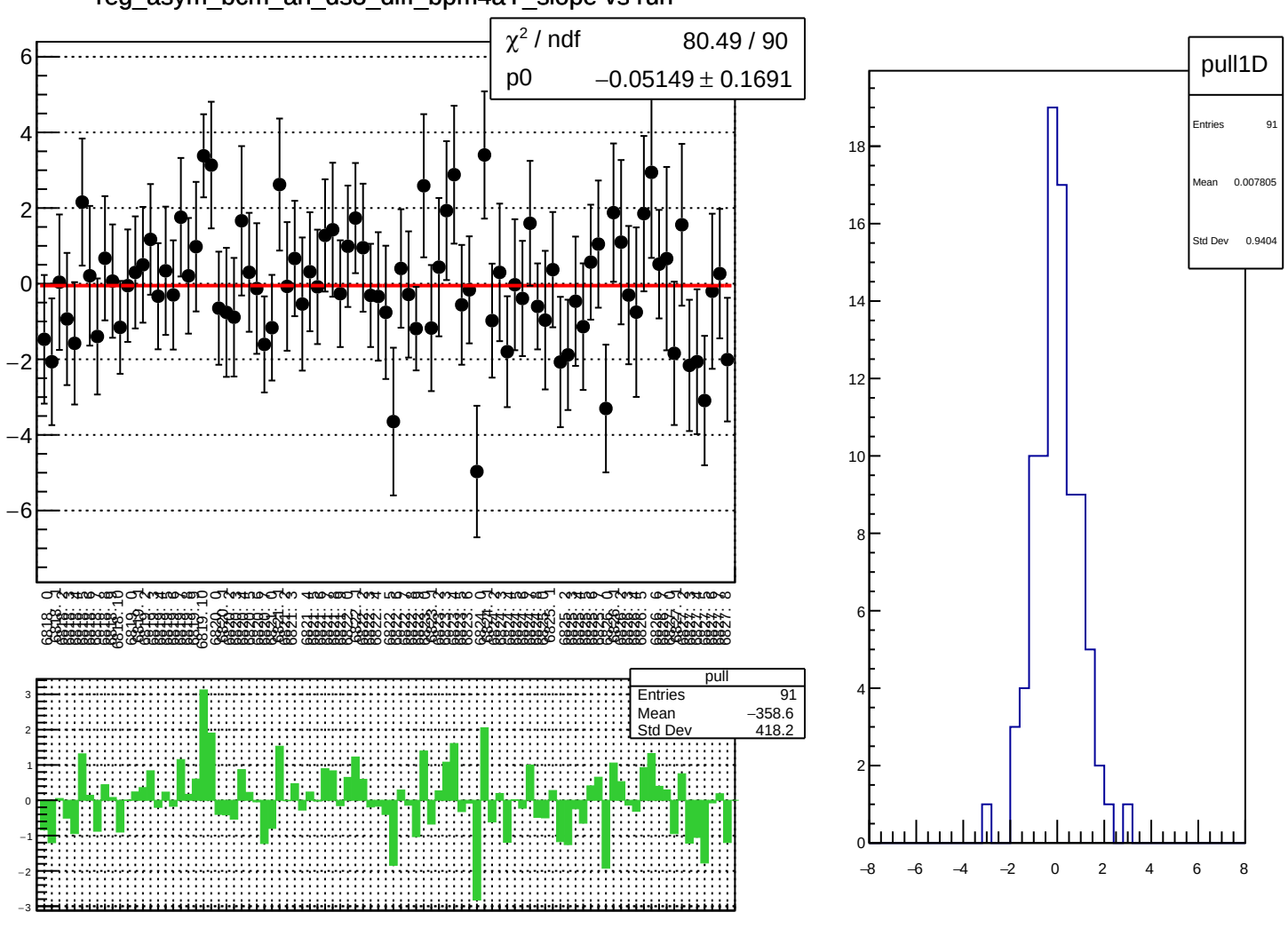

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.9 / 90
p0 6.4 ± 1.104
pull
Entries 91
Mean 425.4
Std Dev 354.8
pull1D
Entries 91
Mean 0.003317
Std Dev 0.9487

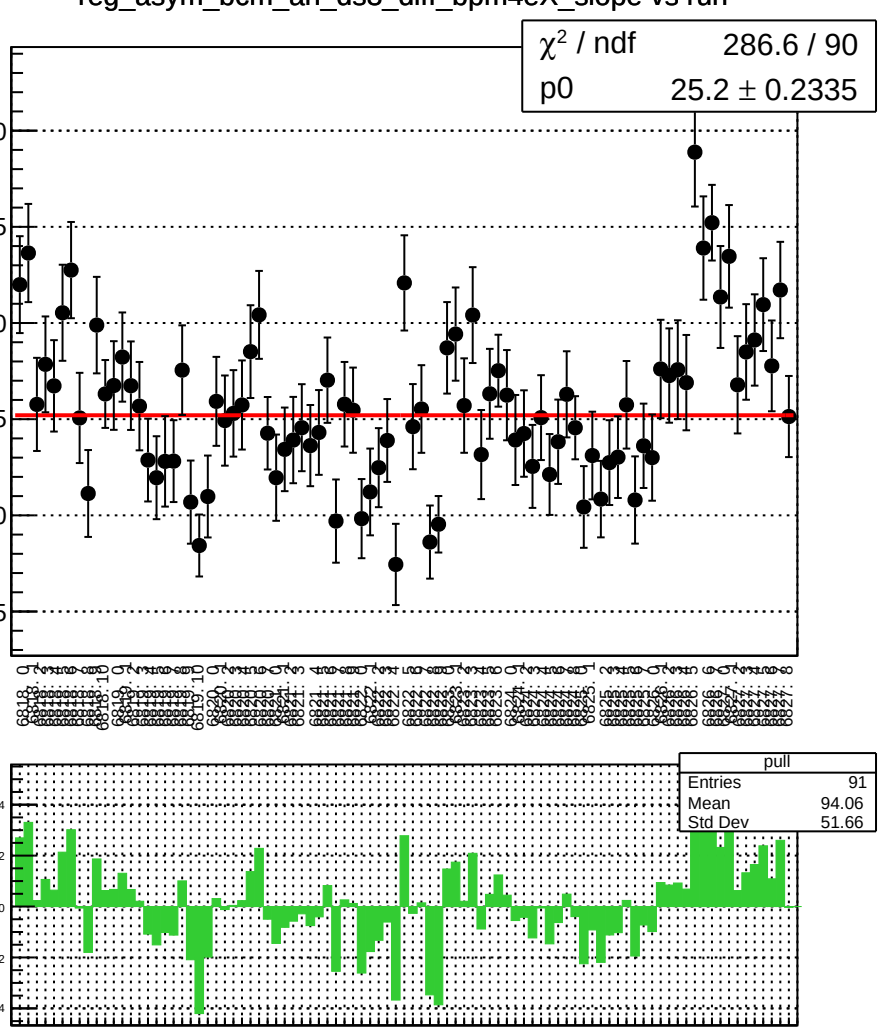

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 92.58 / 90
p0 −9.614 ± 0.05505
pull
Entries 91
Mean 1850
Std Dev 1814

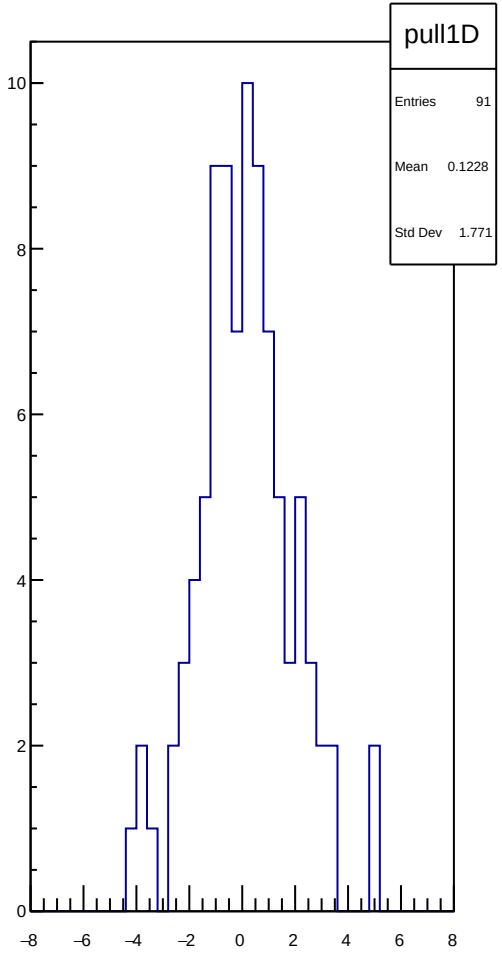

pull1D
Entries 91
Mean 0.00127
Std Dev 1.009

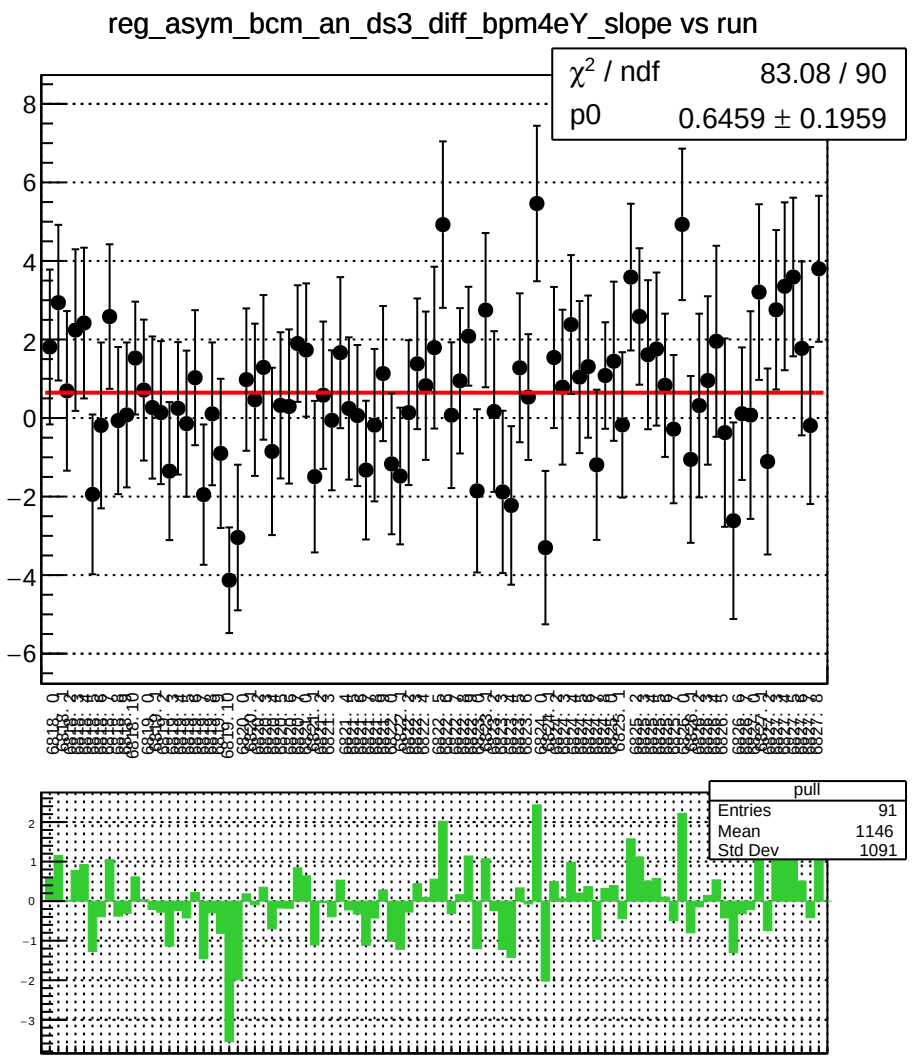

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 284.4 / 90
p0 −27.45 ± 0.2497
pull
Entries 91
Mean 94.16
Std Dev 51.35

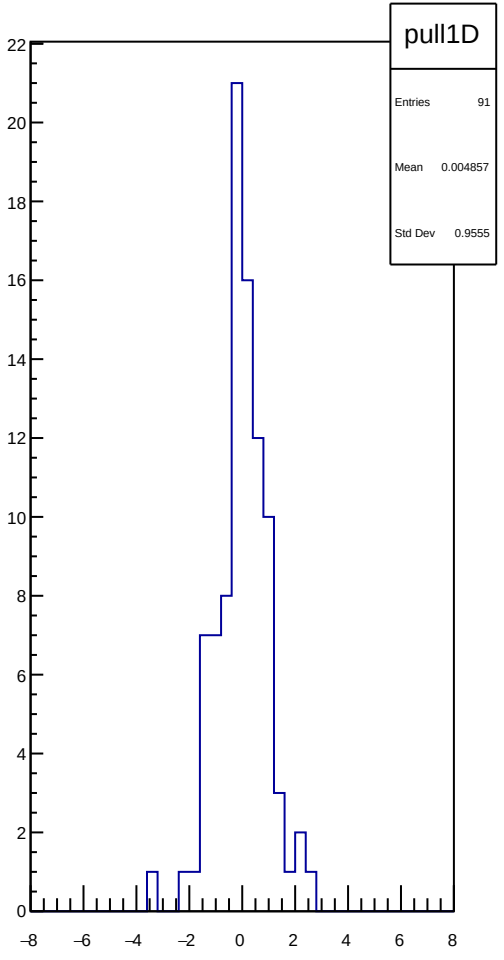

pull1D
Entries 91
Mean −0.1228
Std Dev 1.763

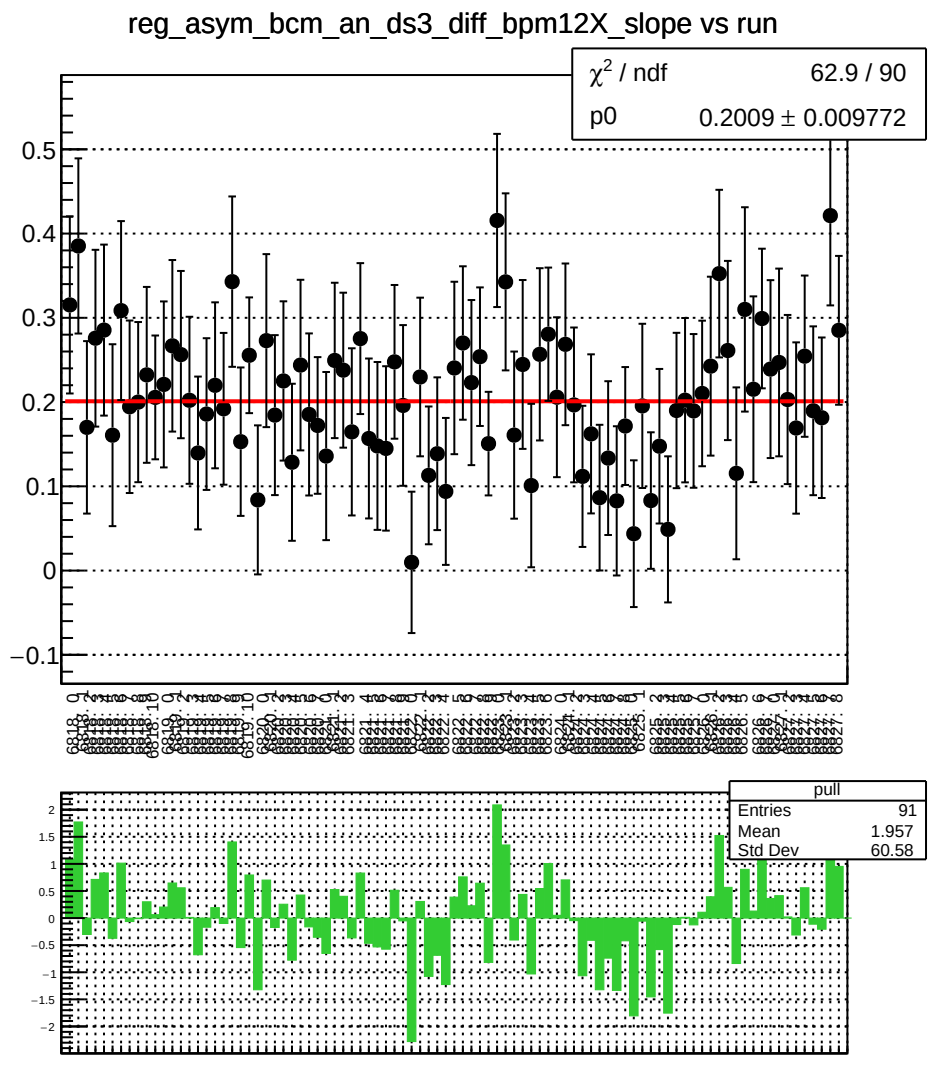

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 80.49 / 90
p0 −0.05149 ± 0.1691
pull
Entries 91
Mean −358.6
Std Dev 418.2
pull1D
Entries 91
Mean 0.007805
Std Dev 0.9404

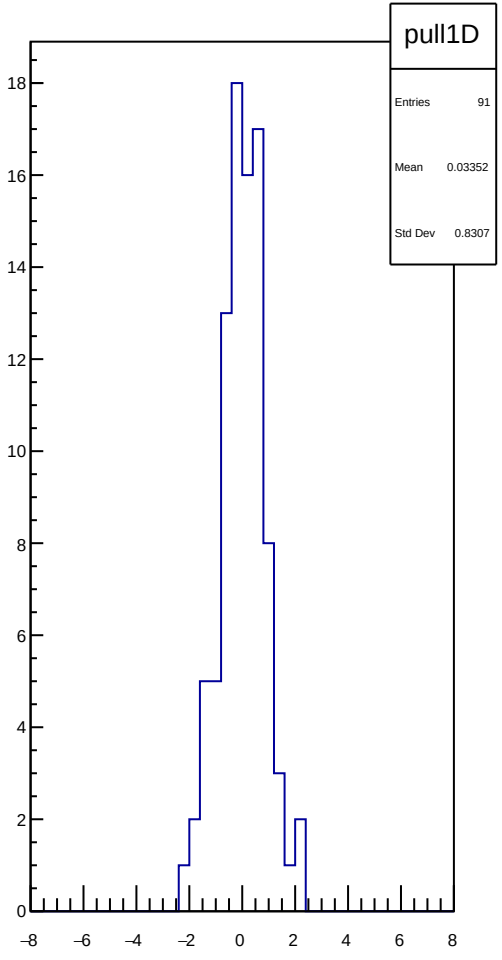

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 286.6 / 90
p0 25.2 ± 0.2335
pull
Entries 91
Mean 94.06
Std Dev 51.66

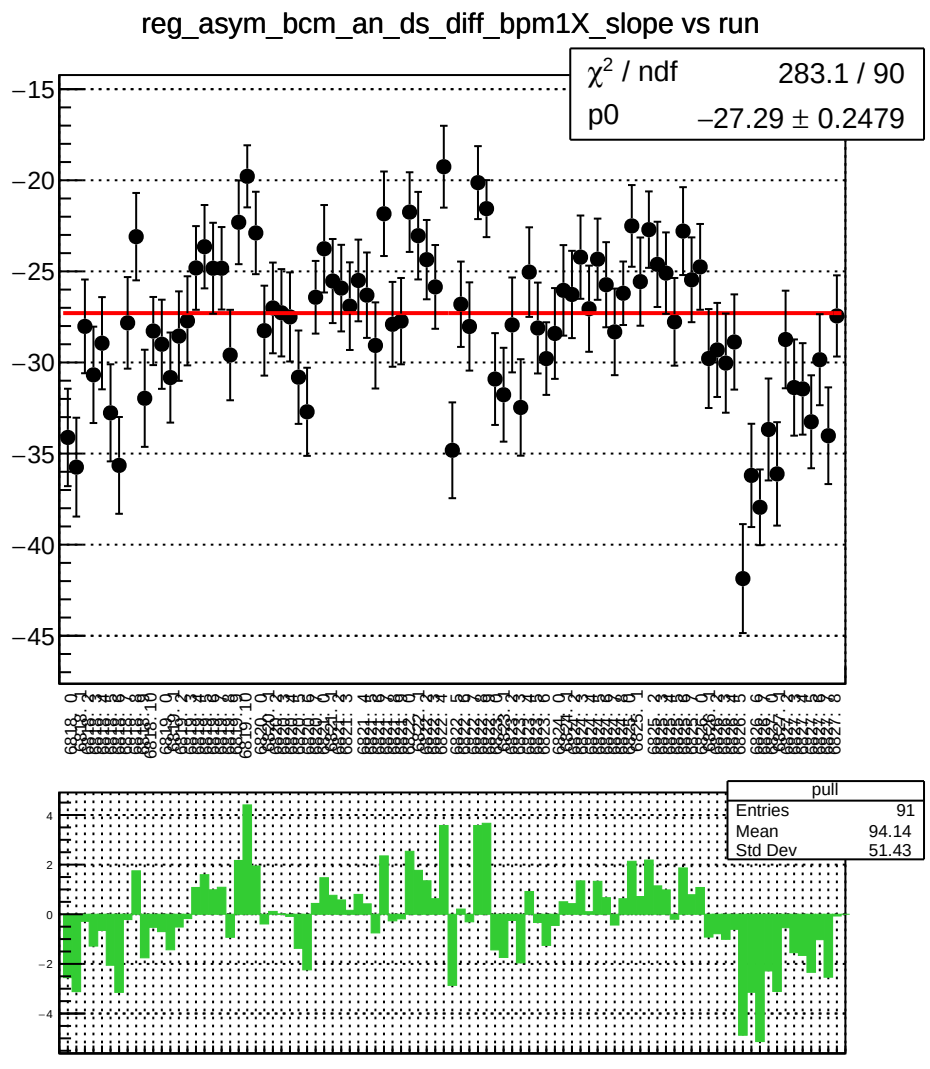

pull1D
Entries 91
Mean 0.1228
Std Dev 1.771

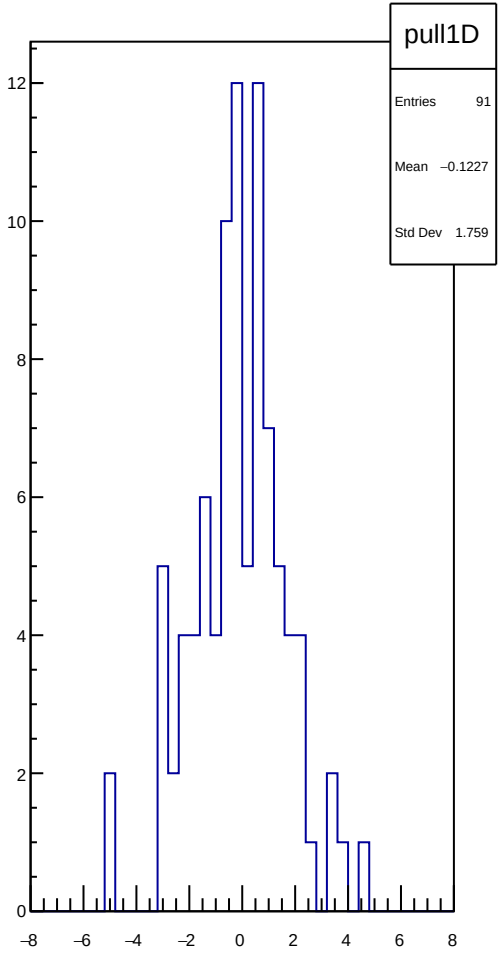

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 83.08 / 90
p0 0.6459 ± 0.1959
pull
Entries 91
Mean 1146
Std Dev 1091

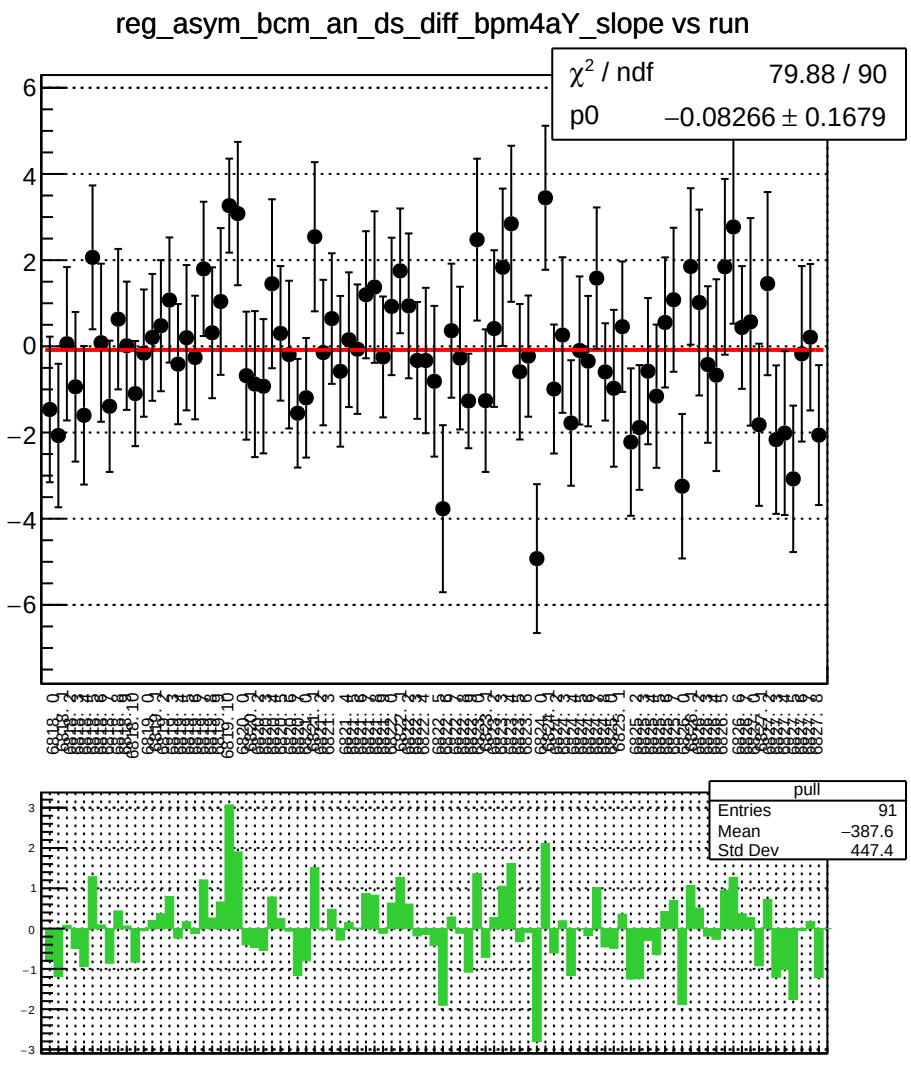

pull1D
Entries 91
Mean 0.004857
Std Dev 0.9555

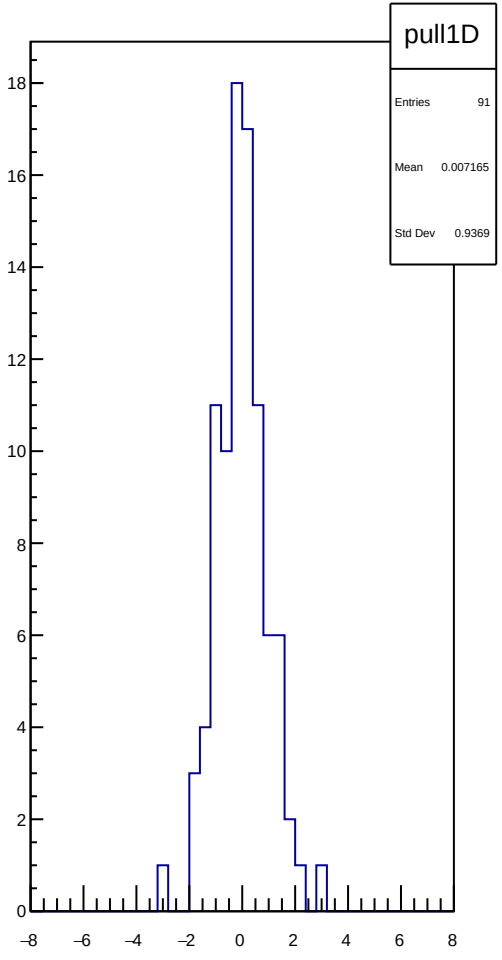

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 62.9 / 90
p0 0.2009 ± 0.009772
pull
Entries 91
Mean 1.957
Std Dev 60.58

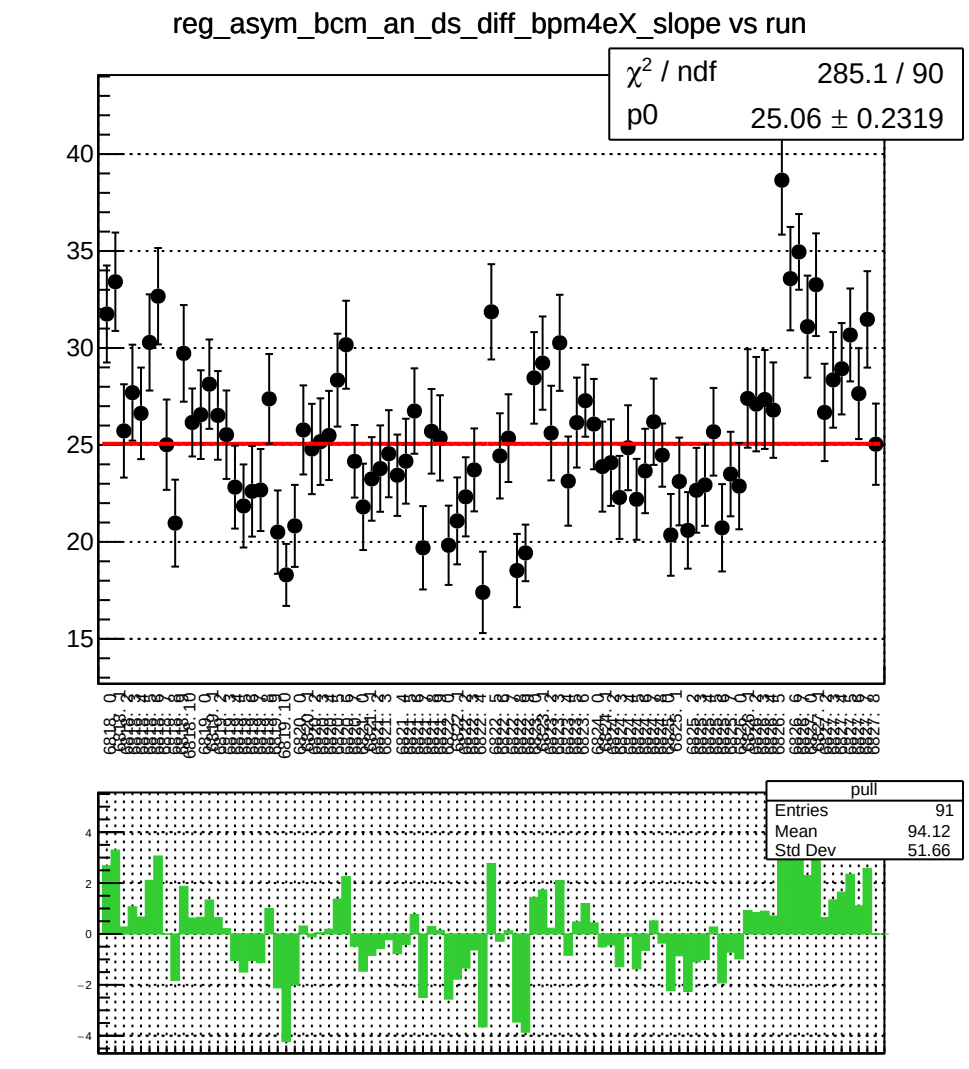

pull1D
Entries 91
Mean 0.03352
Std Dev 0.8307

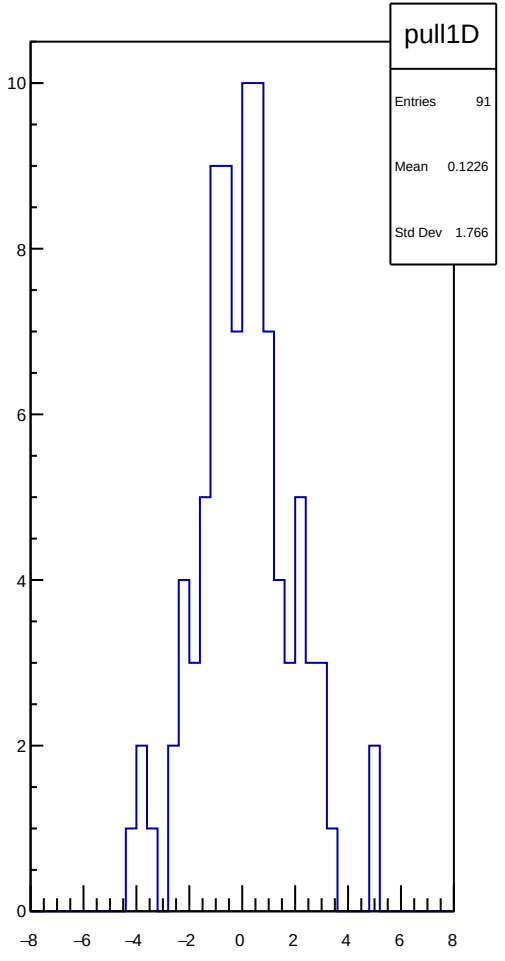

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 283.1 / 90
p0 −27.29 ± 0.2479
pull
Entries 91
Mean 94.14
Std Dev 51.43

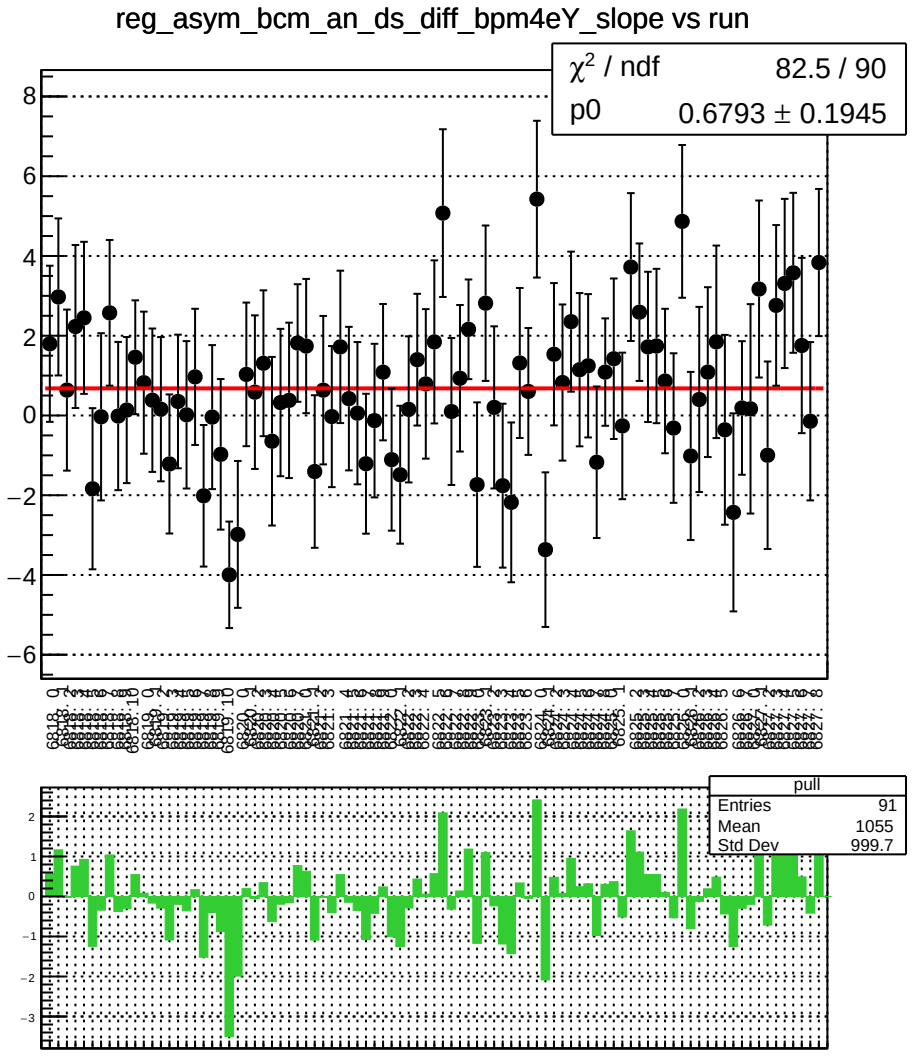

pull1D
Entries 91
Mean −0.1227
Std Dev 1.759

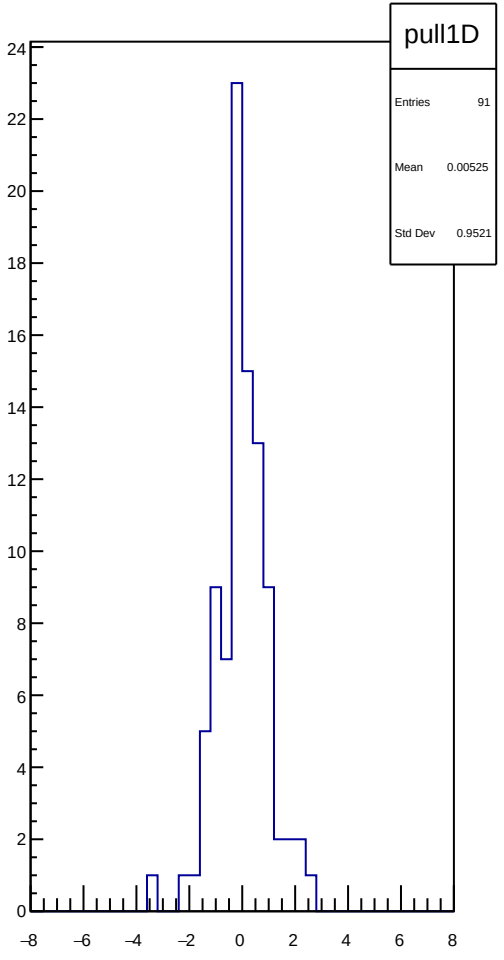

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 79.88 / 90
p0 −0.08266 ± 0.1679
pull
Entries 91
Mean −387.6
Std Dev 447.4

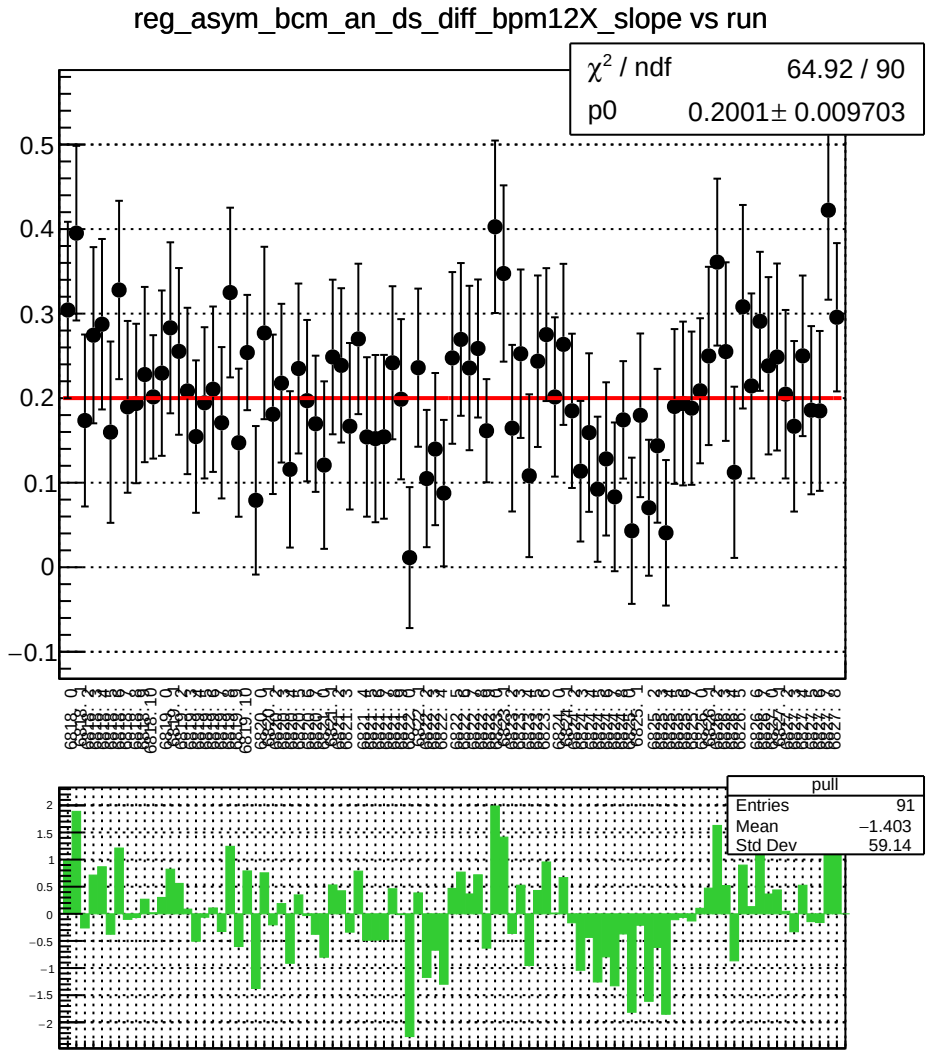

pull1D
Entries 91
Mean 0.007165
Std Dev 0.9369

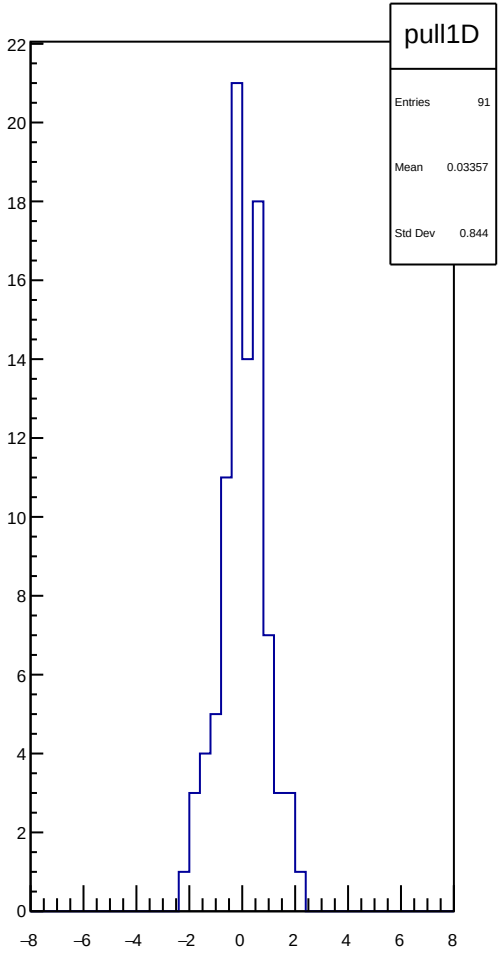

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 285.1 / 90
p0 25.06 ± 0.2319
pull
Entries 91
Mean 94.12
Std Dev 51.66

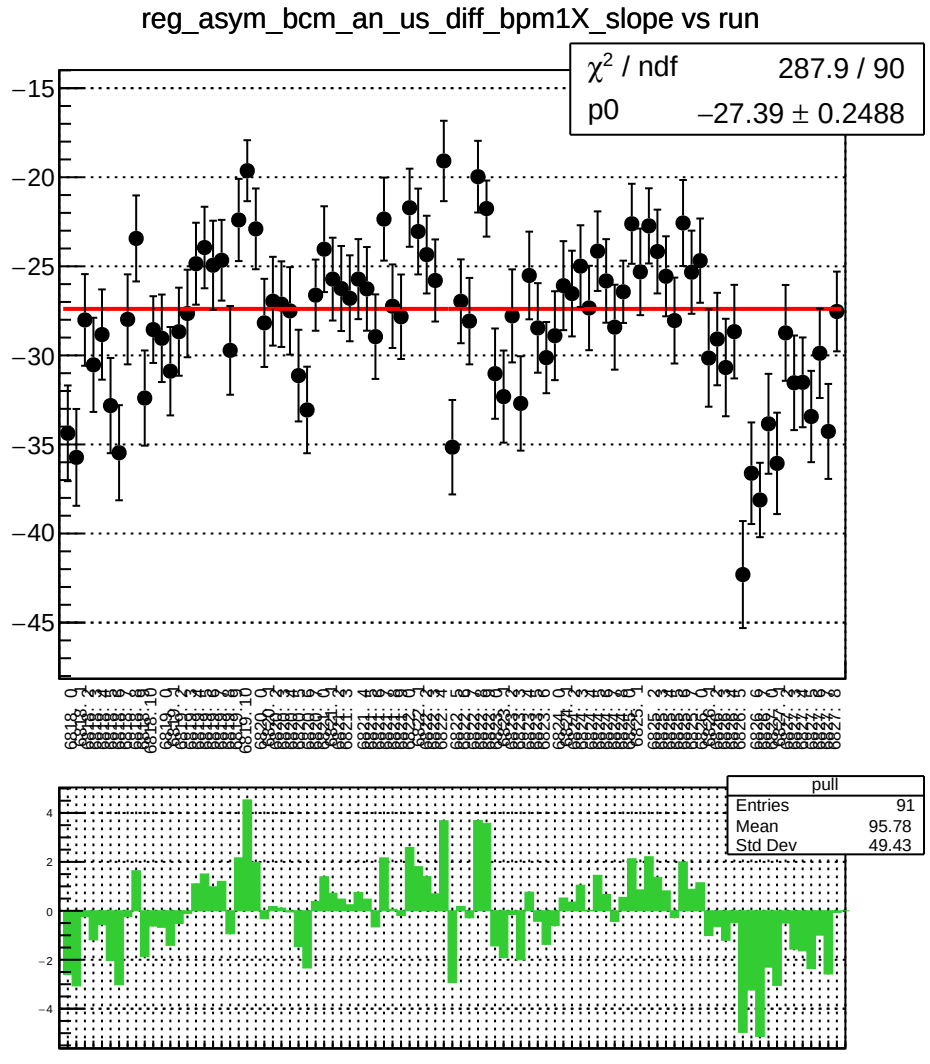

pull1D
Entries 91
Mean 0.1226
Std Dev 1.766

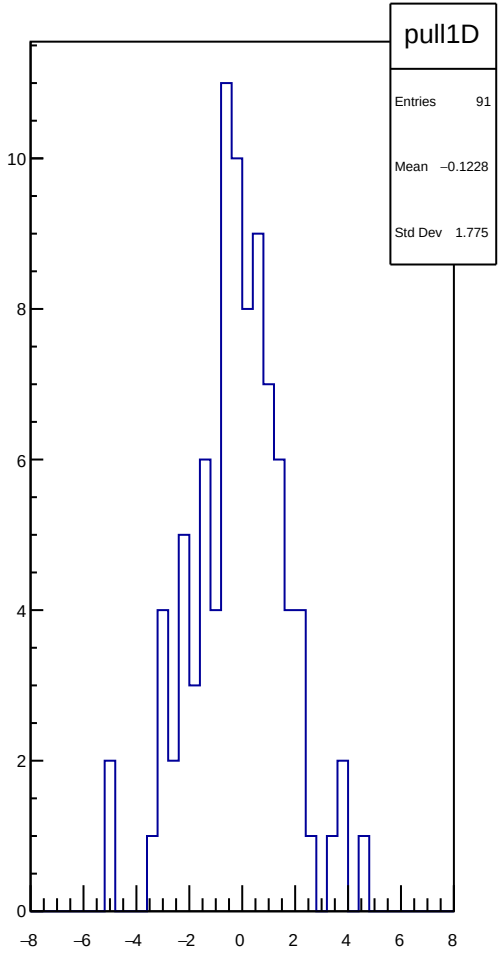

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 82.5 / 90
p0 0.6793 ± 0.1945
pull
Entries 91
Mean 1055
Std Dev 999.7

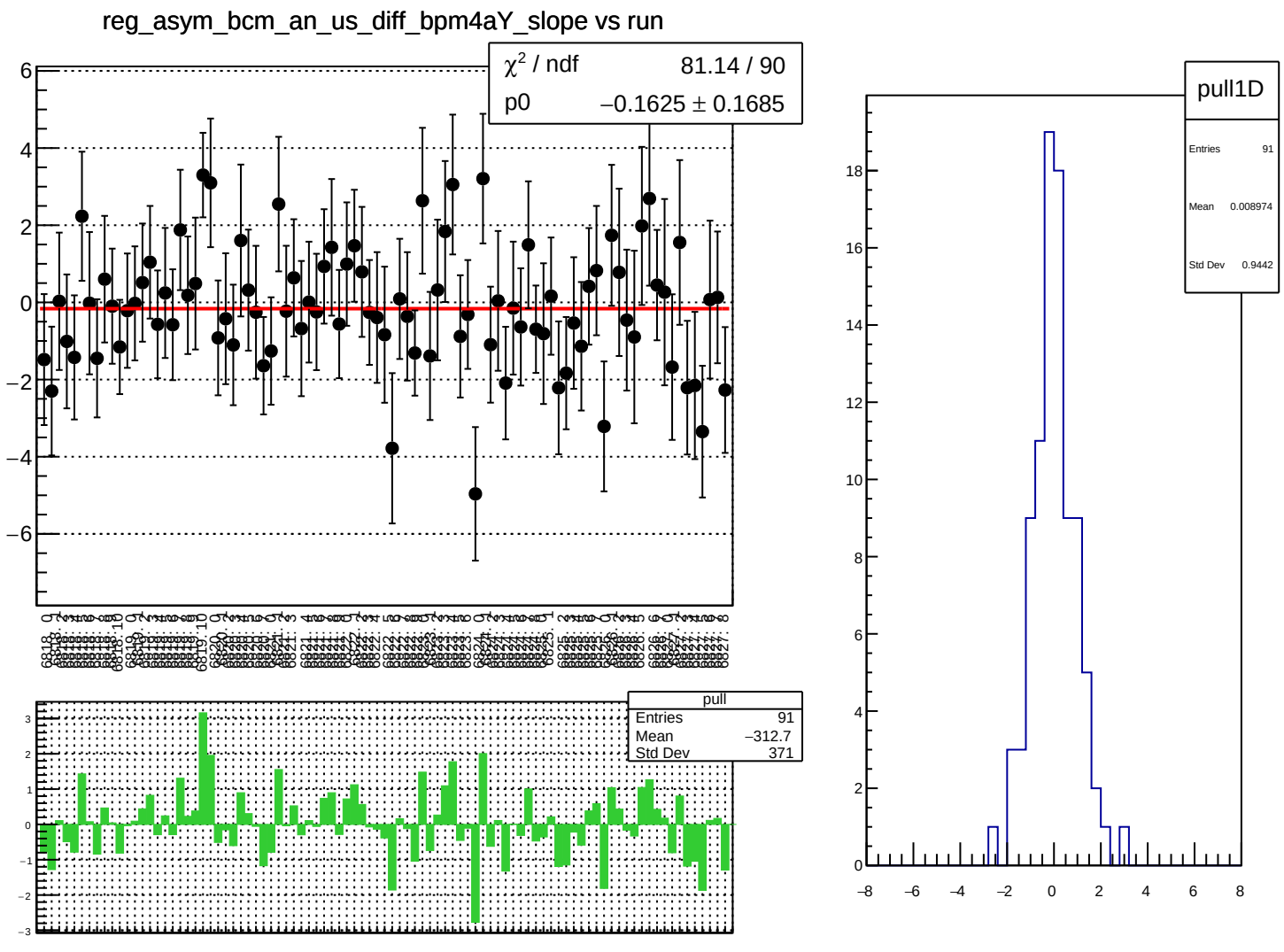

pull1D
Entries 91
Mean 0.00525
Std Dev 0.9521

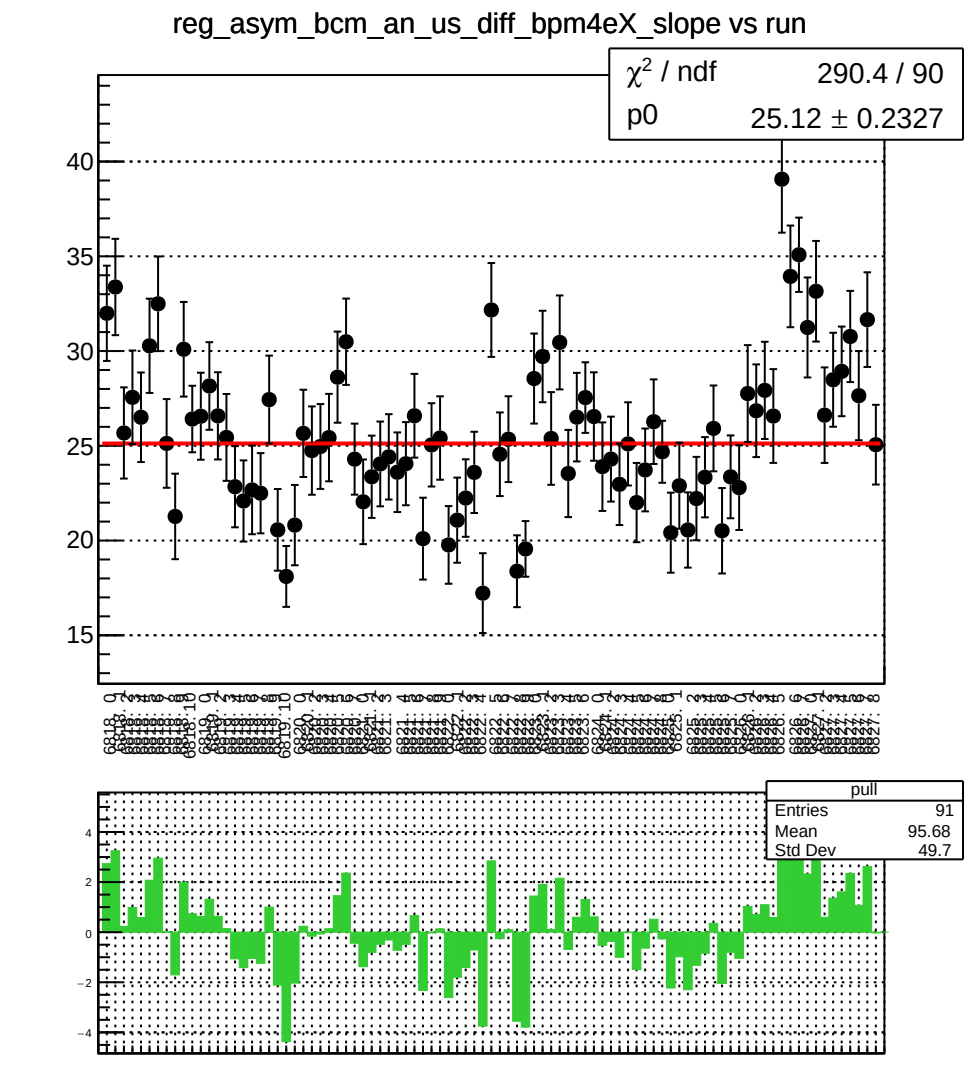

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 64.92 / 90
p0 0.2001± 0.009703
pull
Entries 91
Mean −1.403
Std Dev 59.14

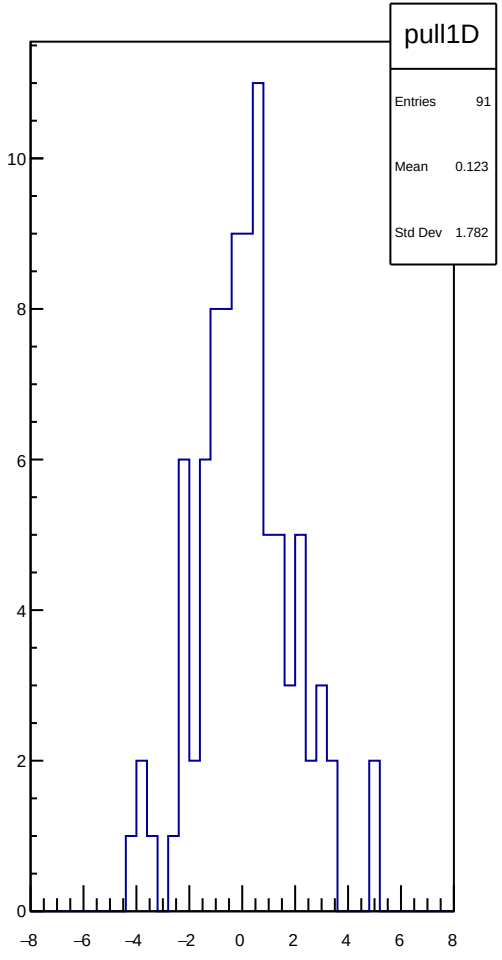

pull1D
Entries 91
Mean 0.03357
Std Dev 0.844

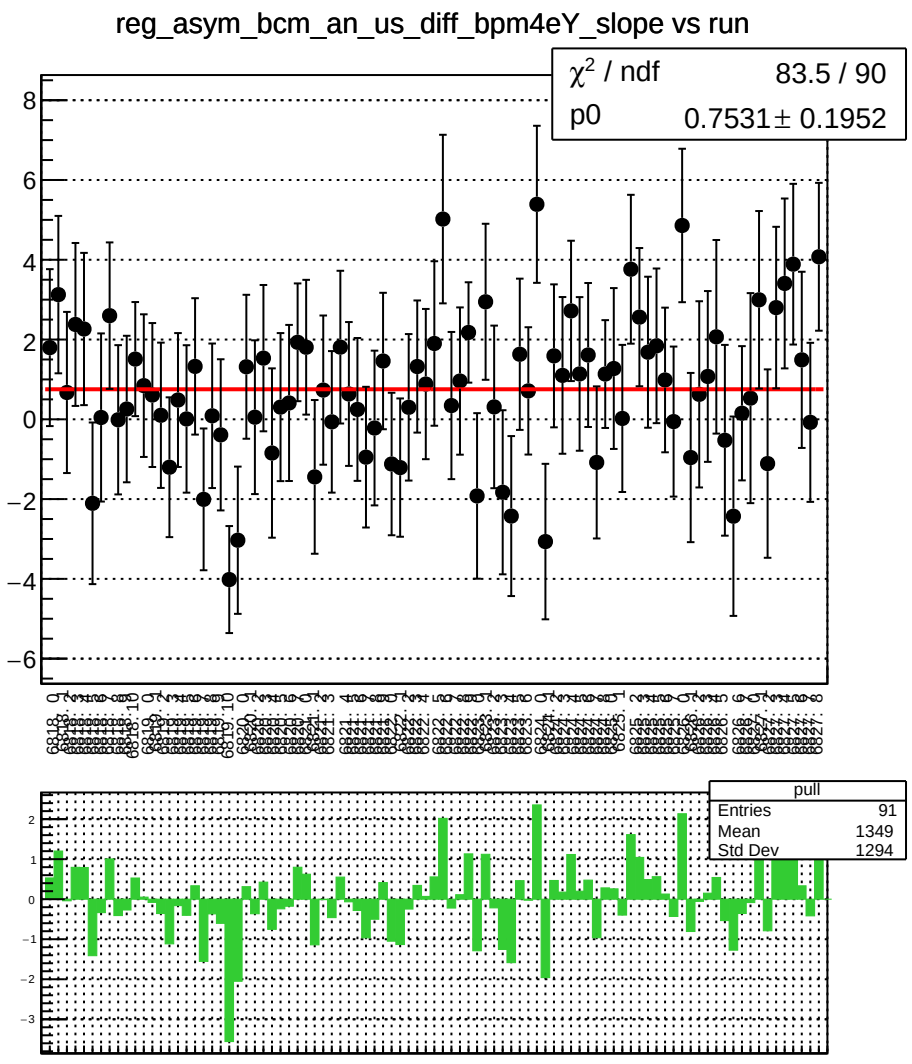

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 287.9 / 90
p0 −27.39 ± 0.2488
pull
Entries 91
Mean 95.78
Std Dev 49.43

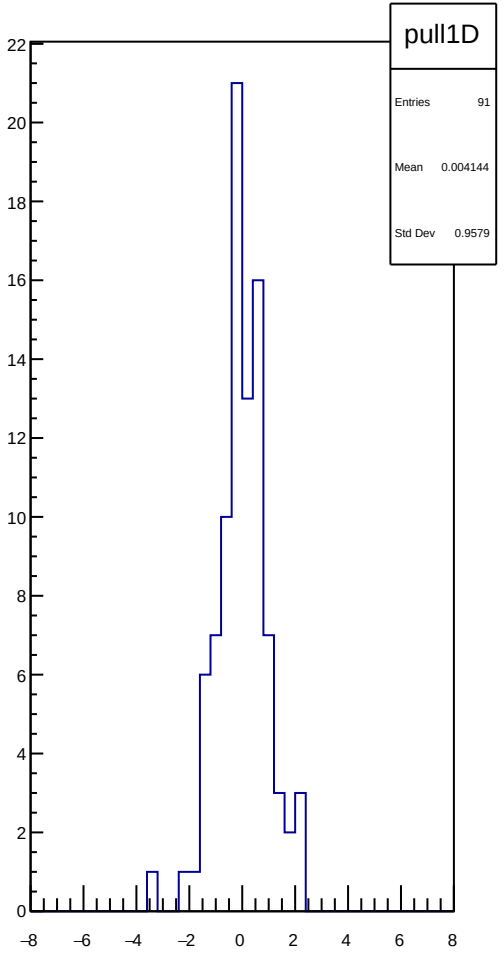

pull1D
Entries 91
Mean −0.1228
Std Dev 1.775

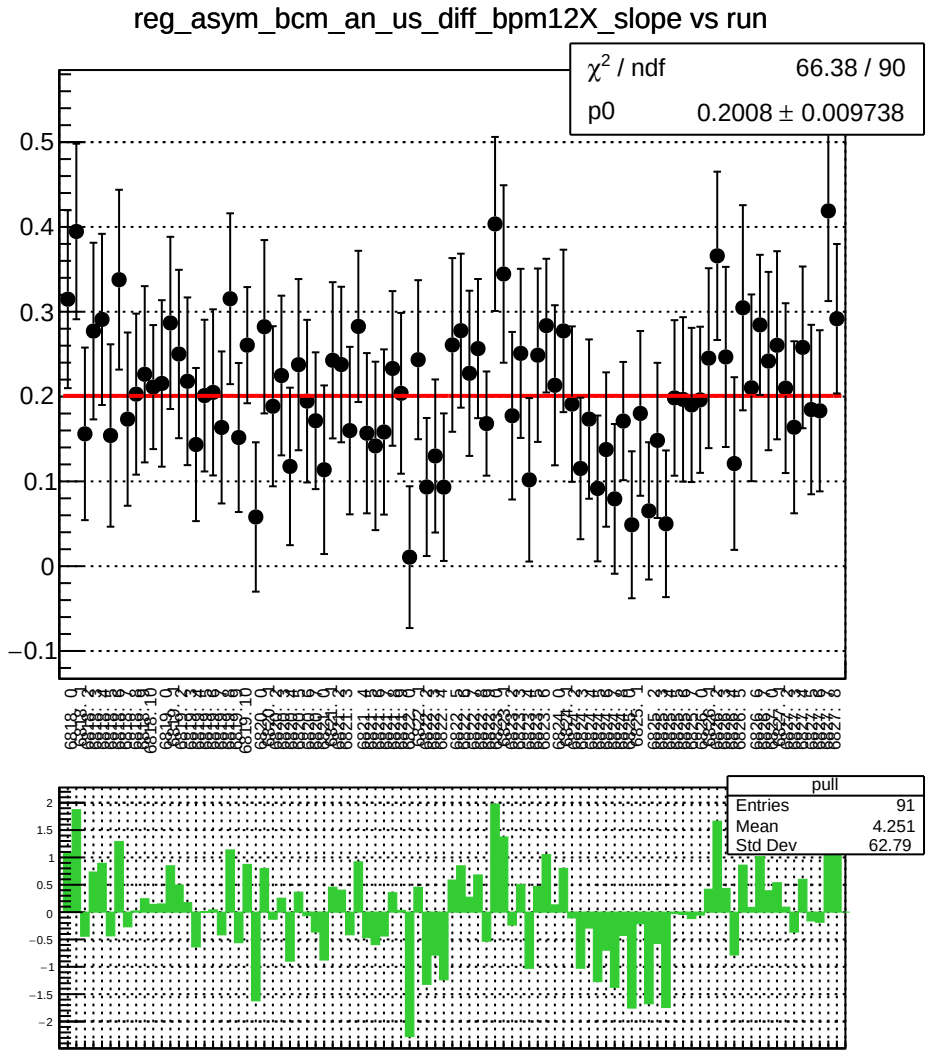

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 81.14 / 90
p0 −0.1625 ± 0.1685
pull
Entries 91
Mean −312.7
Std Dev 371
pull1D
Entries 91
Mean 0.008974
Std Dev 0.9442

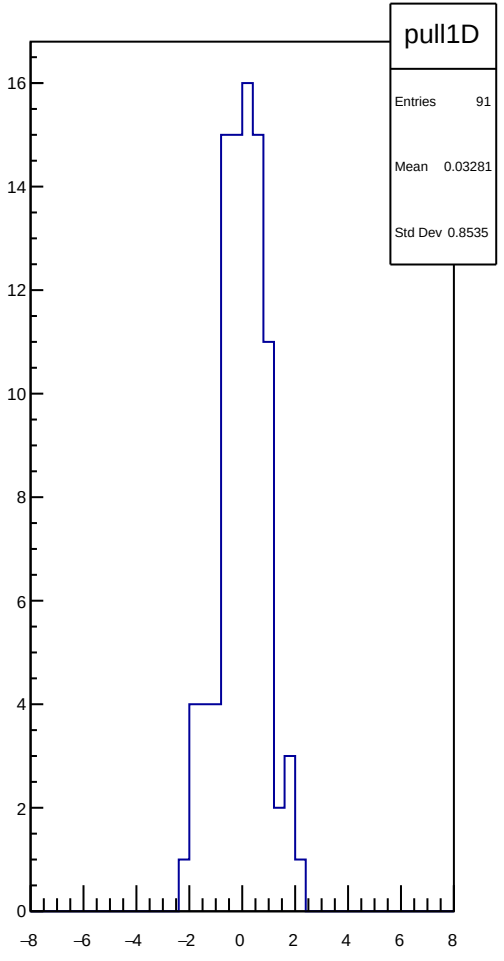

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 290.4 / 90
p0 25.12 ± 0.2327
40
35
30
25
20
15
pull
Entries 91
Mean 95.68
Std Dev 49.7
4
2
0
−2
−4

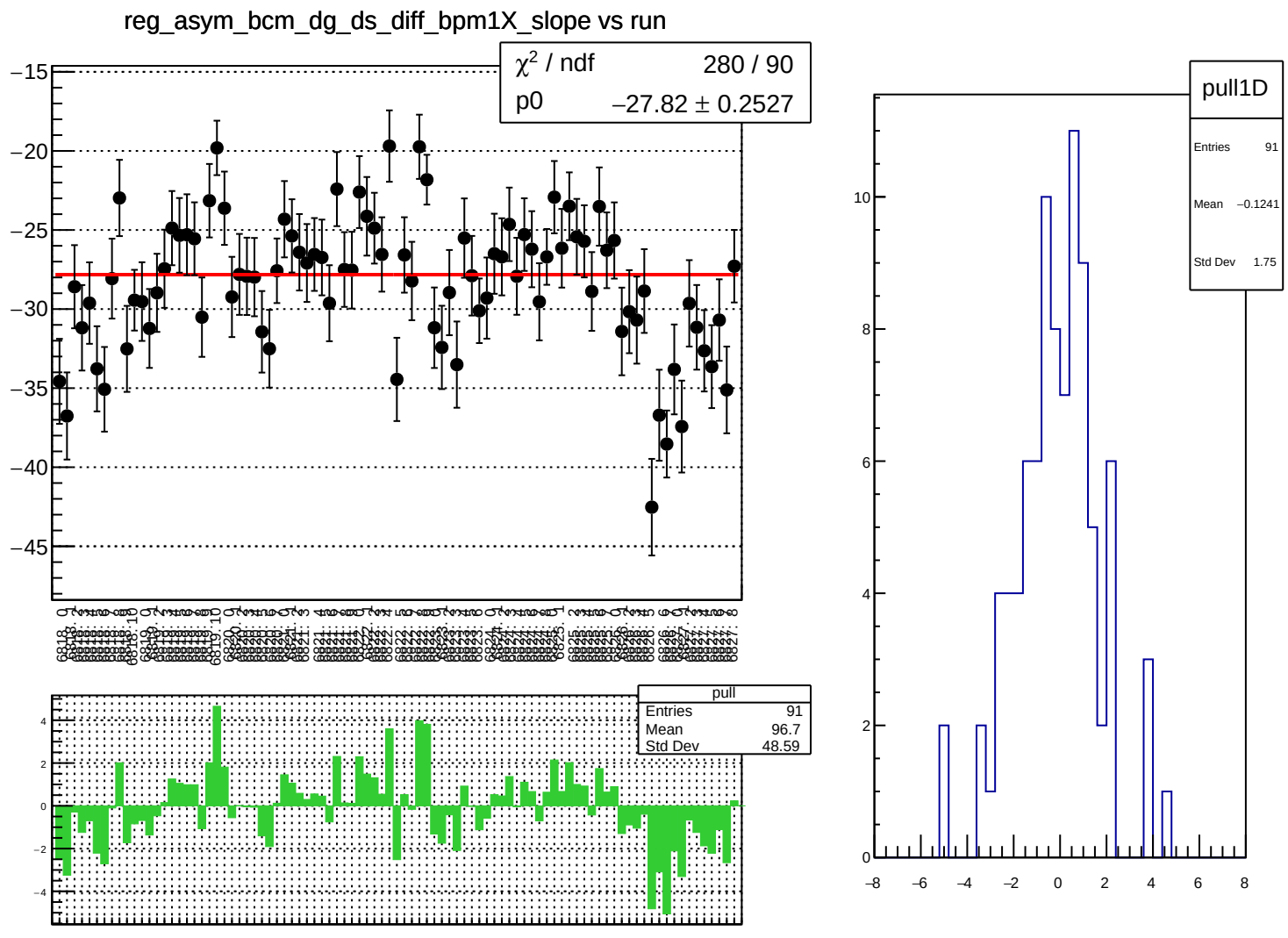

pull1D
Entries 91
Mean 0.123
Std Dev 1.782
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

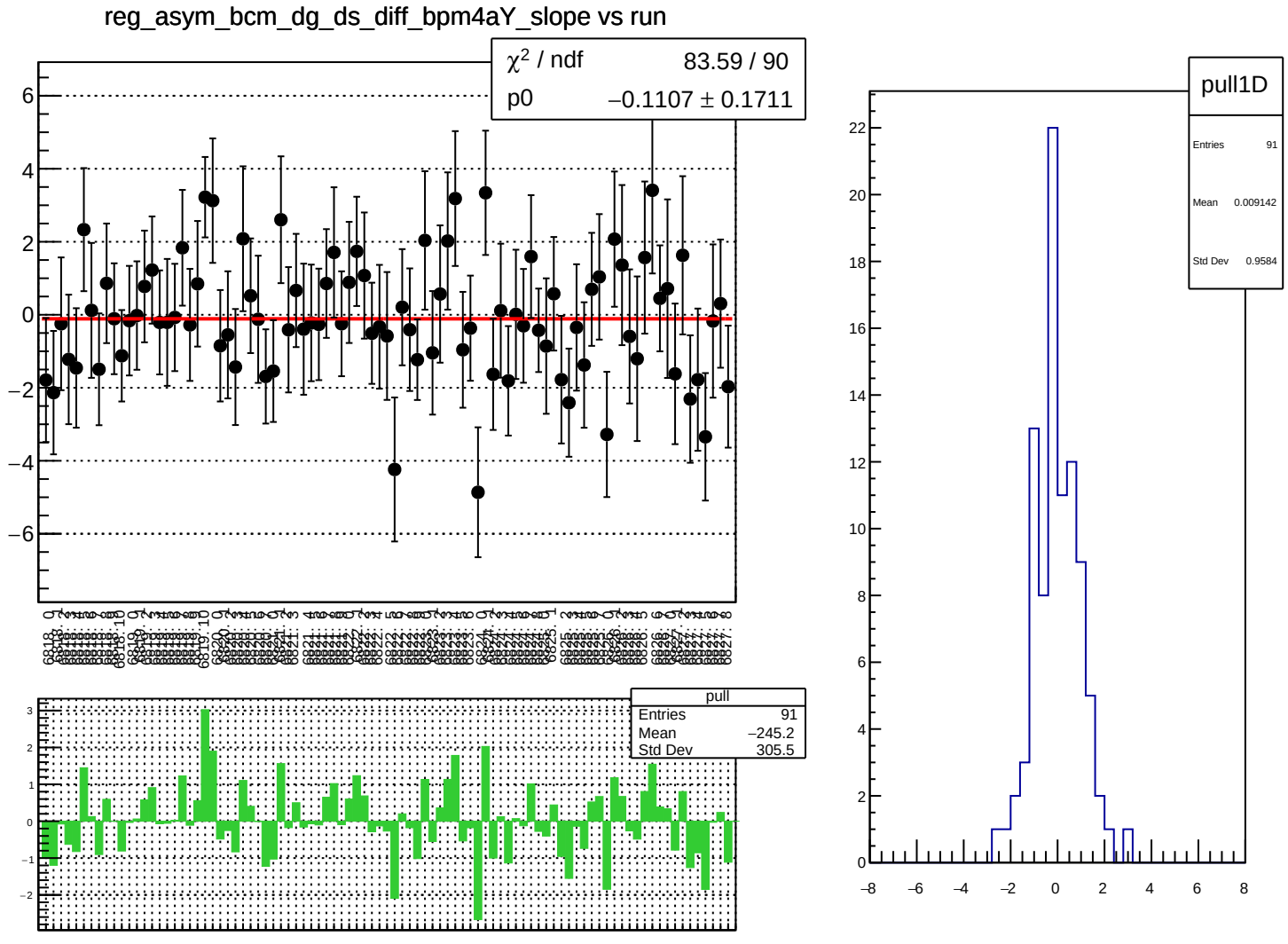

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 83.5 / 90
p0 0.7531± 0.1952
pull
Entries 91
Mean 1349
Std Dev 1294

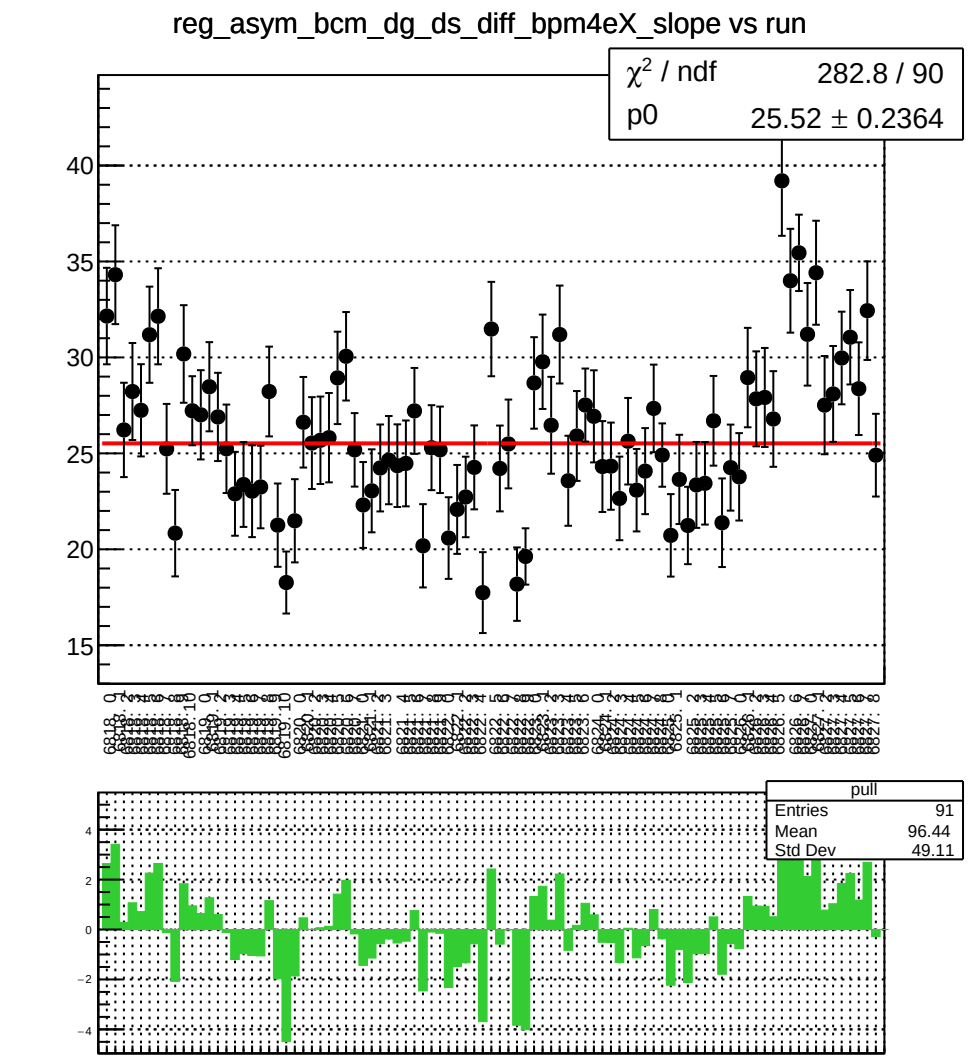

pull1D
Entries 91
Mean 0.004144
Std Dev 0.9579

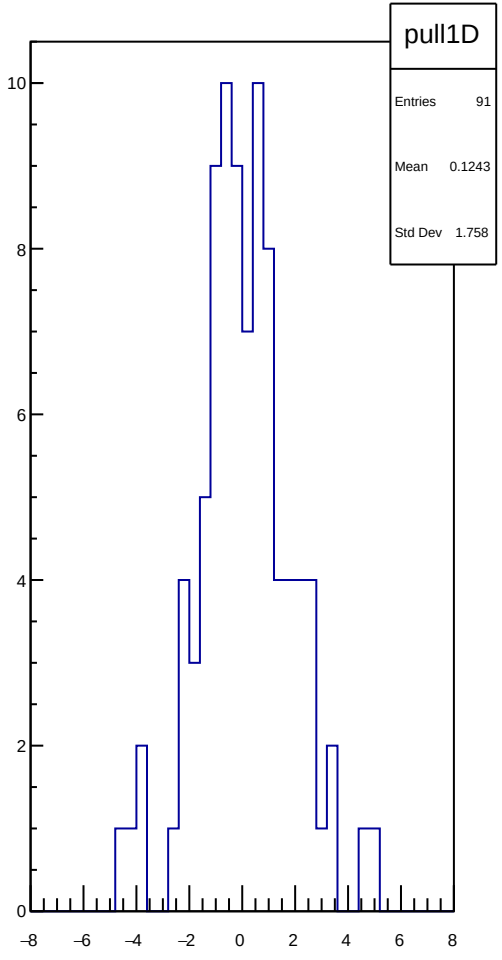

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 66.38 / 90
p0 0.2008 ± 0.009738
pull
Entries 91
Mean 4.251
Std Dev 62.79

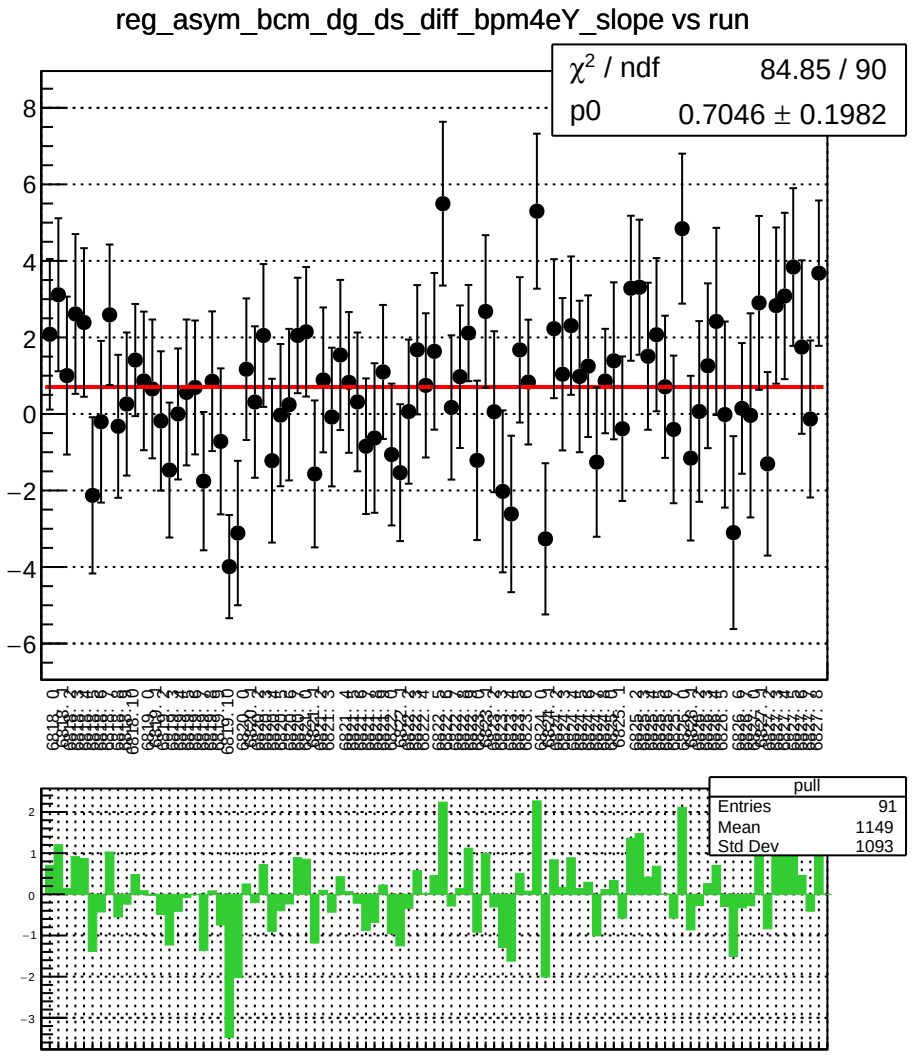

pull1D
Entries 91
Mean 0.03281
Std Dev 0.8535

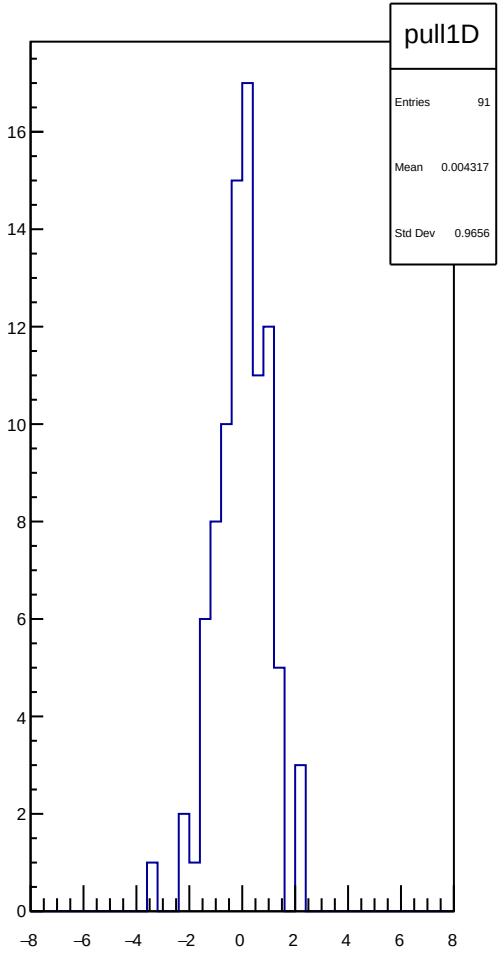

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 280 / 90
p0 −27.82 ± 0.2527
pull
Entries 91
Mean 96.7
Std Dev 48.59
pull1D
Entries 91
Mean −0.1241
Std Dev 1.75

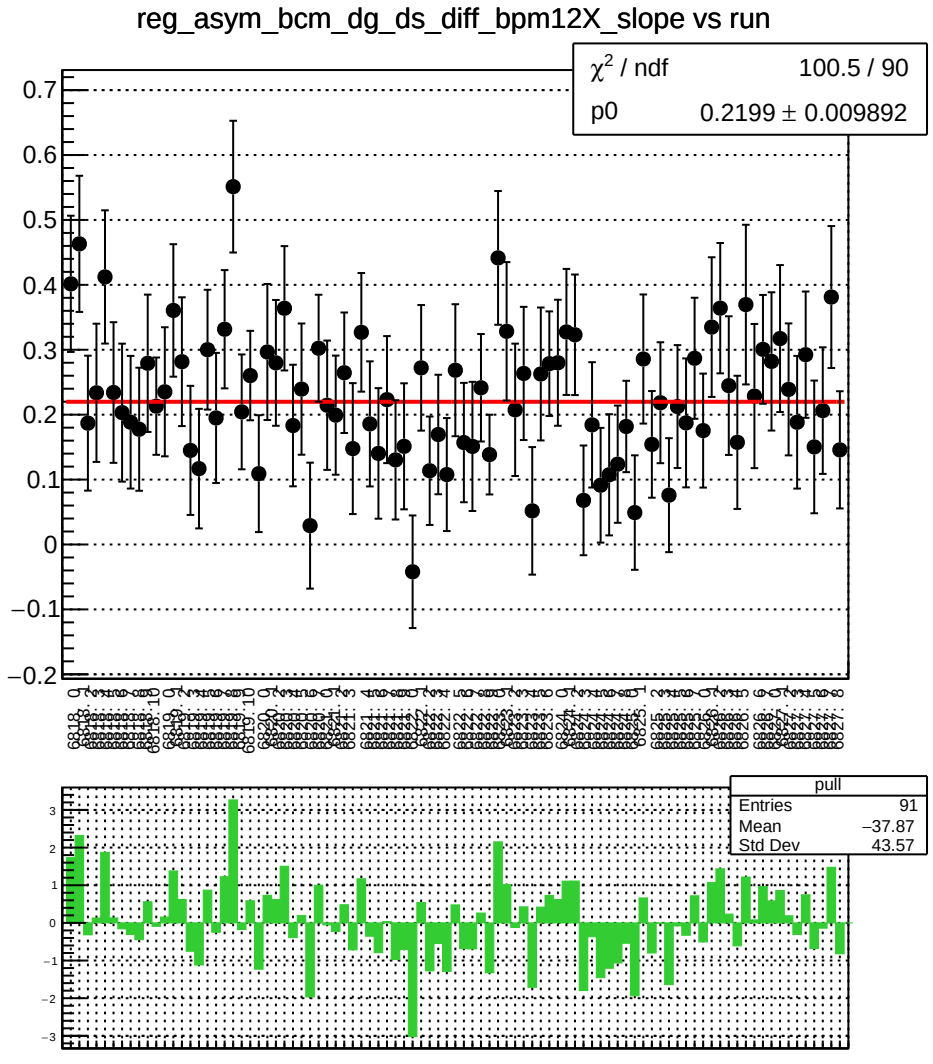

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 83.59 / 90
p0 −0.1107 ± 0.1711
pull
Entries 91
Mean −245.2
Std Dev 305.5
pull1D
Entries 91
Mean 0.009142
Std Dev 0.9584

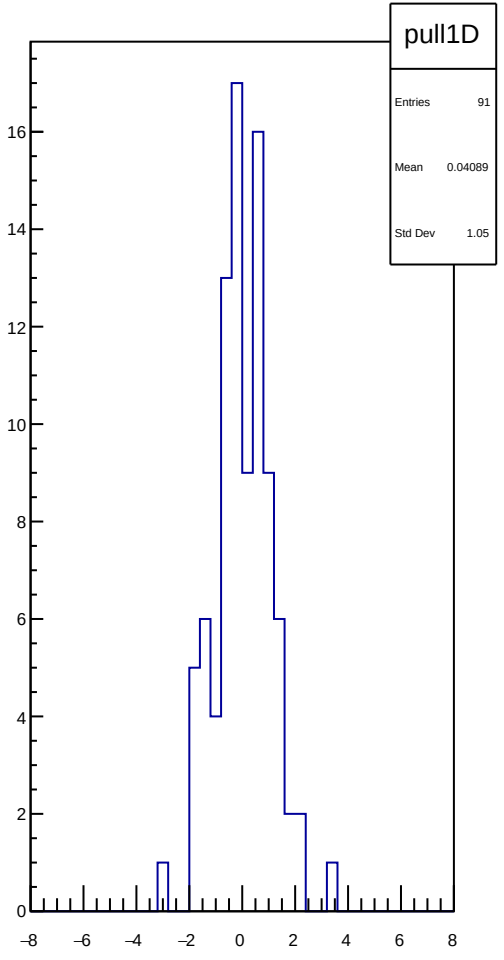

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 282.8 / 90
p0 25.52 ± 0.2364
pull
Entries 91
Mean 96.44
Std Dev 49.11

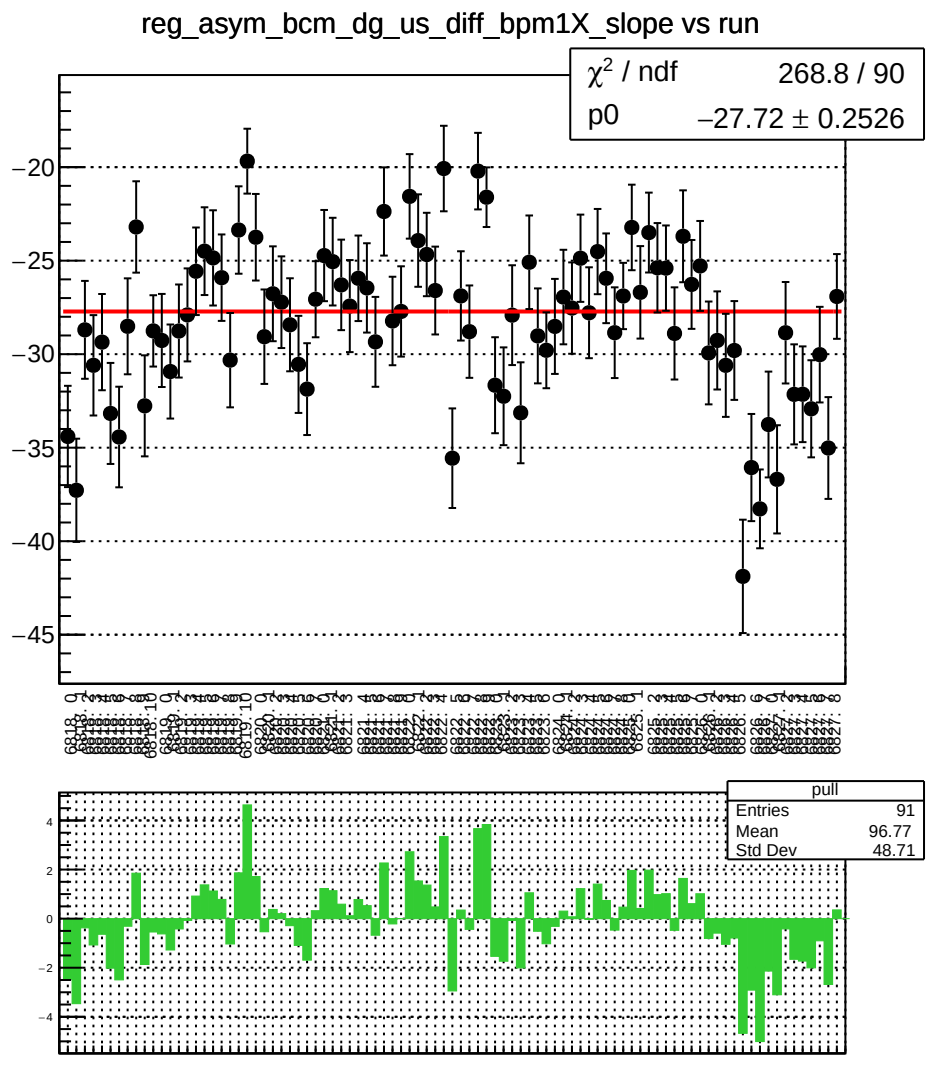

pull1D
Entries 91
Mean 0.1243
Std Dev 1.758

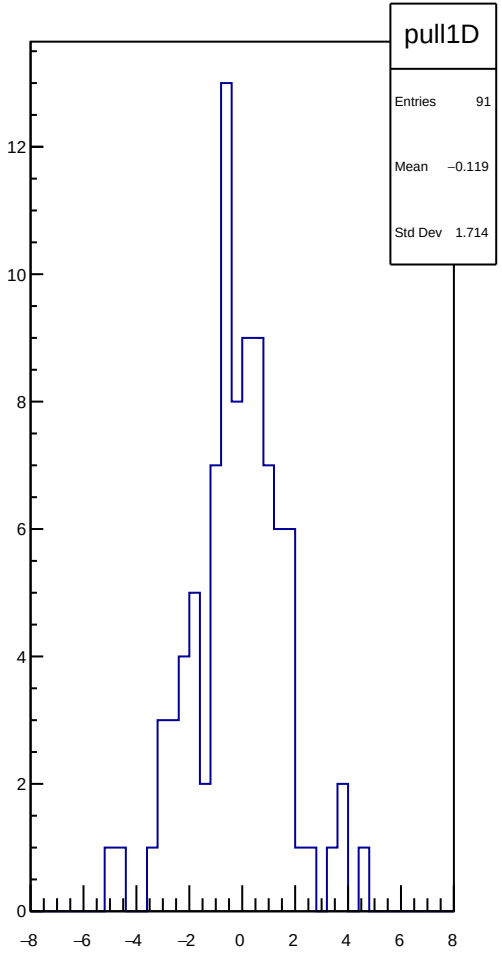

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 84.85 / 90
p0 0.7046 ± 0.1982
pull
Entries 91
Mean 1149
Std Dev 1093

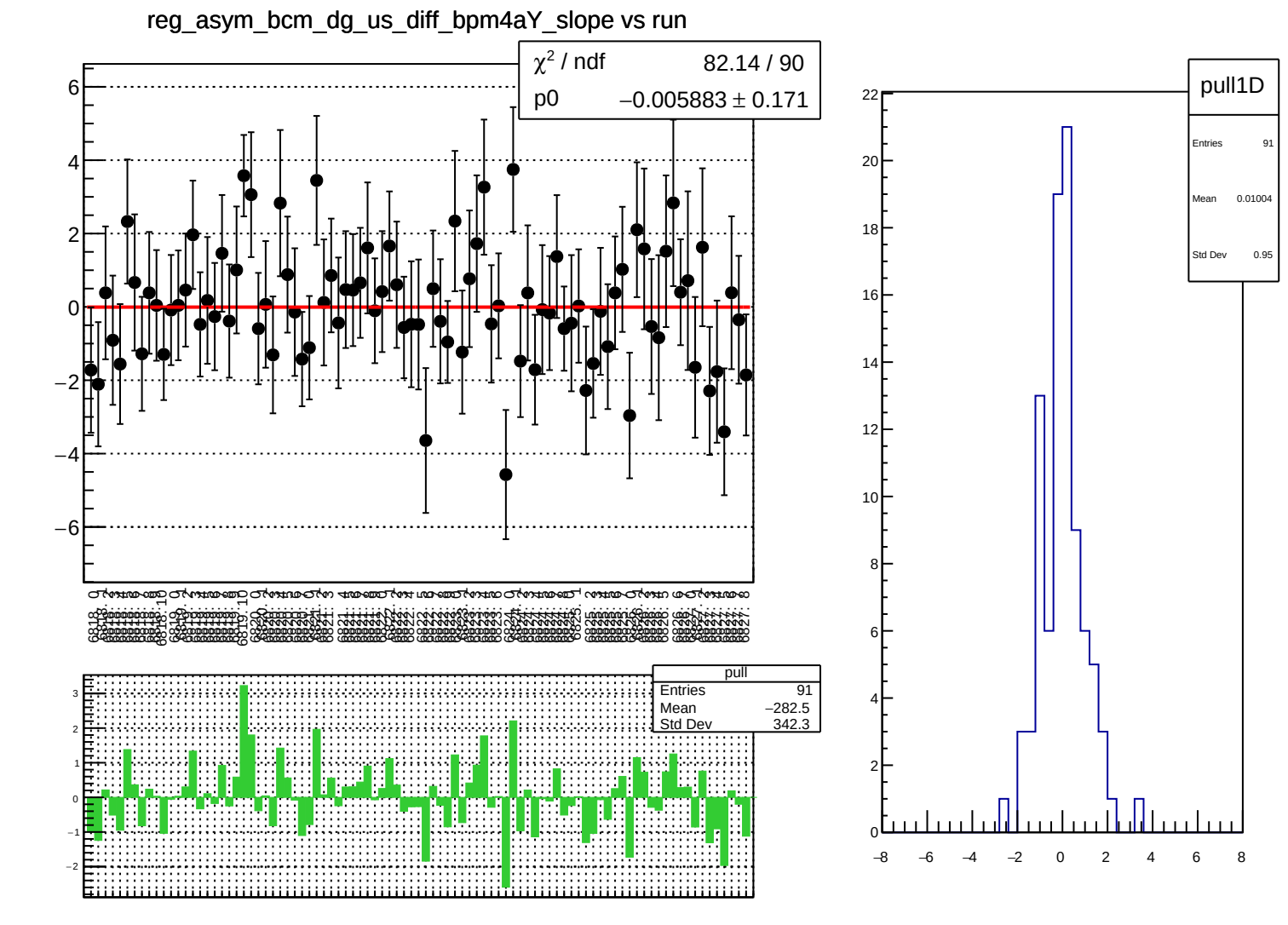

pull1D
Entries 91
Mean 0.004317
Std Dev 0.9656

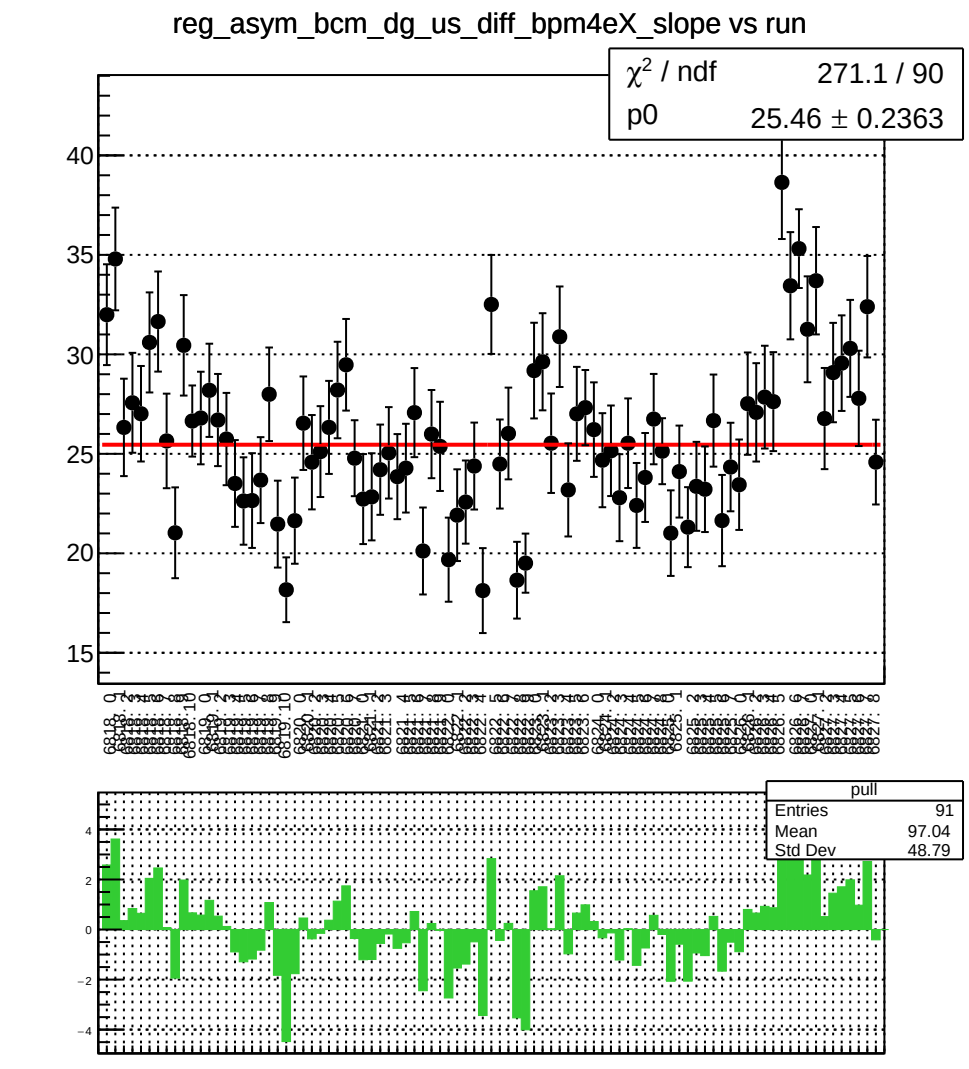

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 100.5 / 90
p0 0.2199 ± 0.009892
pull
Entries 91
Mean −37.87
Std Dev 43.57

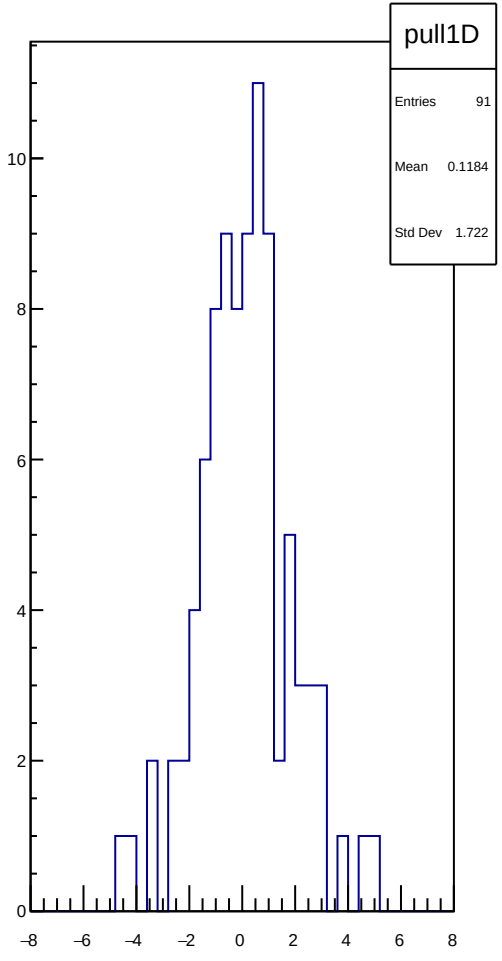

pull1D
Entries 91
Mean 0.04089
Std Dev 1.05

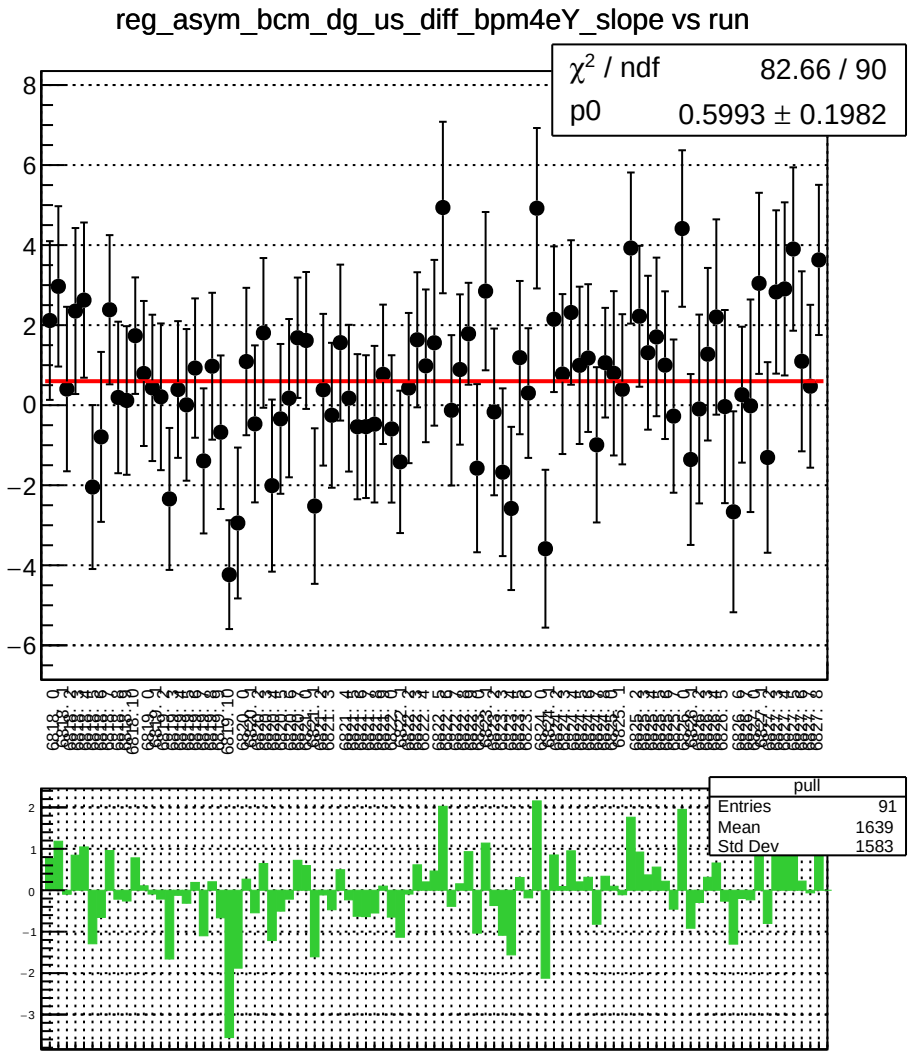

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 268.8 / 90
p0 −27.72 ± 0.2526
pull
Entries 91
Mean 96.77
Std Dev 48.71

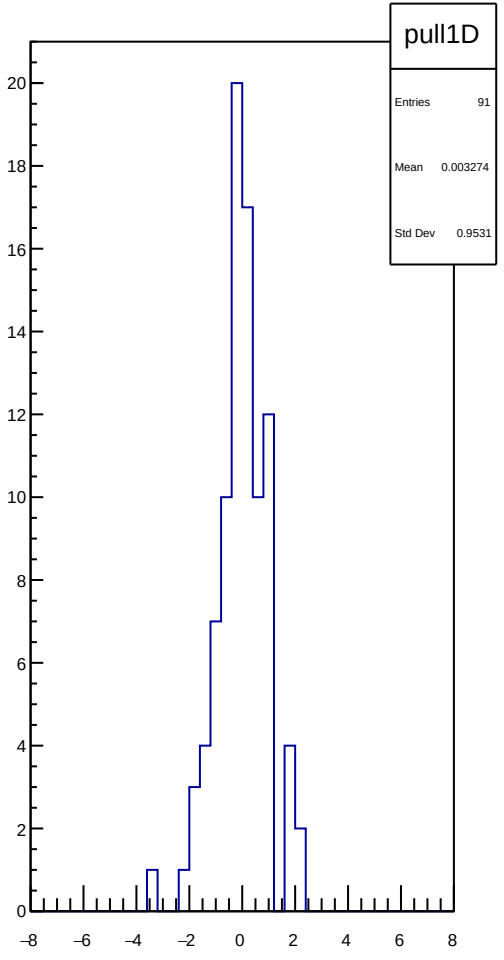

pull1D
Entries 91
Mean −0.119
Std Dev 1.714

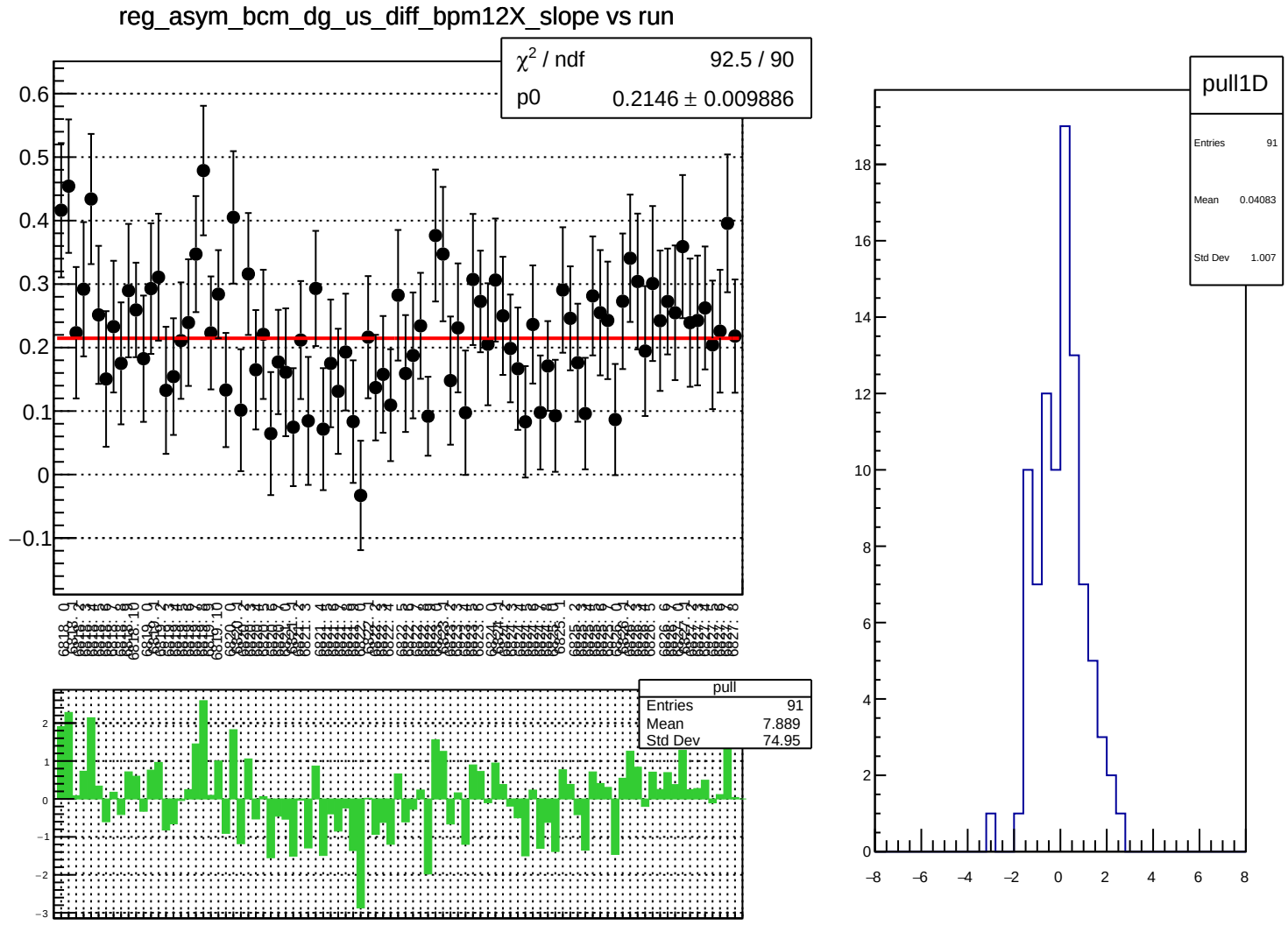

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 82.14 / 90
p0 −0.005883 ± 0.171
pull
Entries 91
Mean −282.5
Std Dev 342.3
pull1D
Entries 91
Mean 0.01004
Std Dev 0.95


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 271.1 / 90
p0 25.46 ± 0.2363
pull
Entries 91
Mean 97.04
Std Dev 48.79


pull1D
Entries 91
Mean 0.1184
Std Dev 1.722


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 82.66 / 90
p0 0.5993 ± 0.1982
pull
Entries 91
Mean 1639
Std Dev 1583


pull1D
Entries 91
Mean 0.003274
Std Dev 0.9531


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 92.5 / 90
p0 0.2146 ± 0.009886
pull
Entries 91
Mean 7.889
Std Dev 74.95
pull1D
Entries 91
Mean 0.04083
Std Dev 1.007