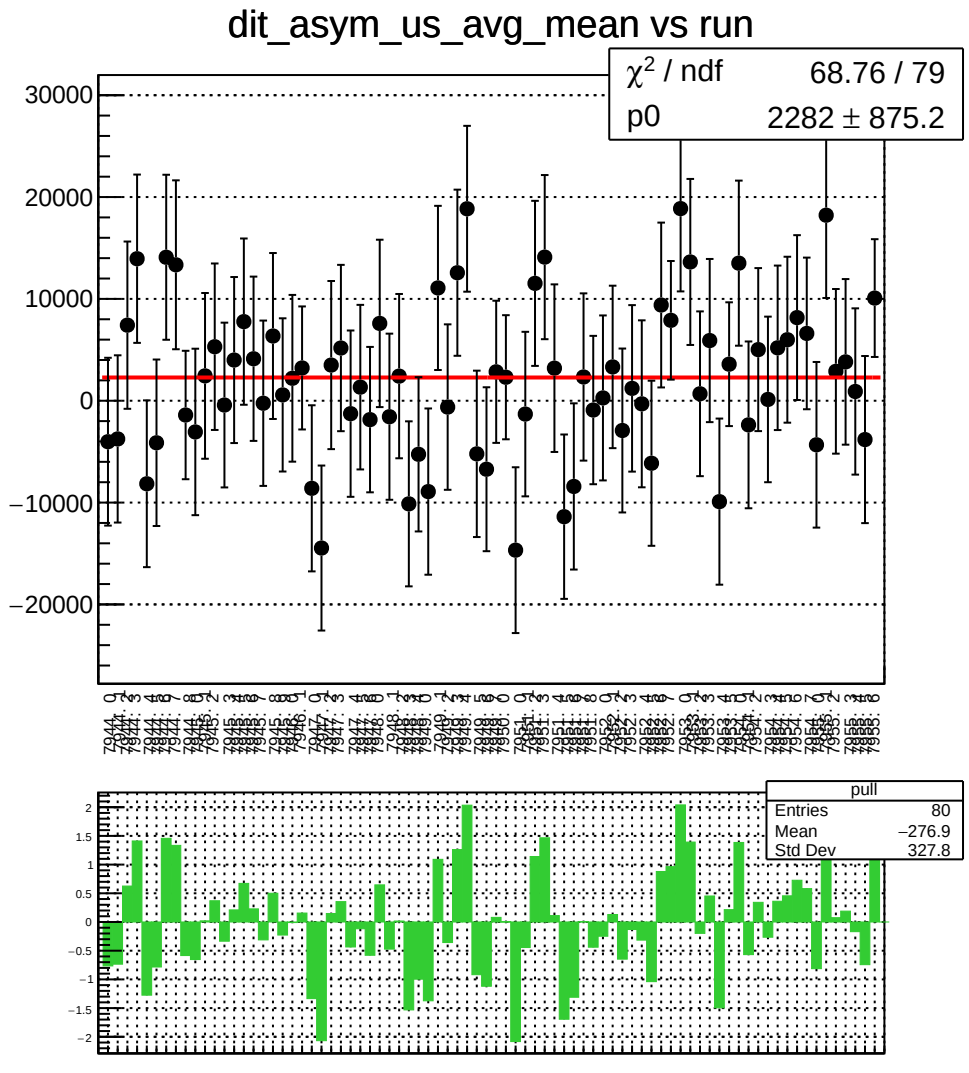
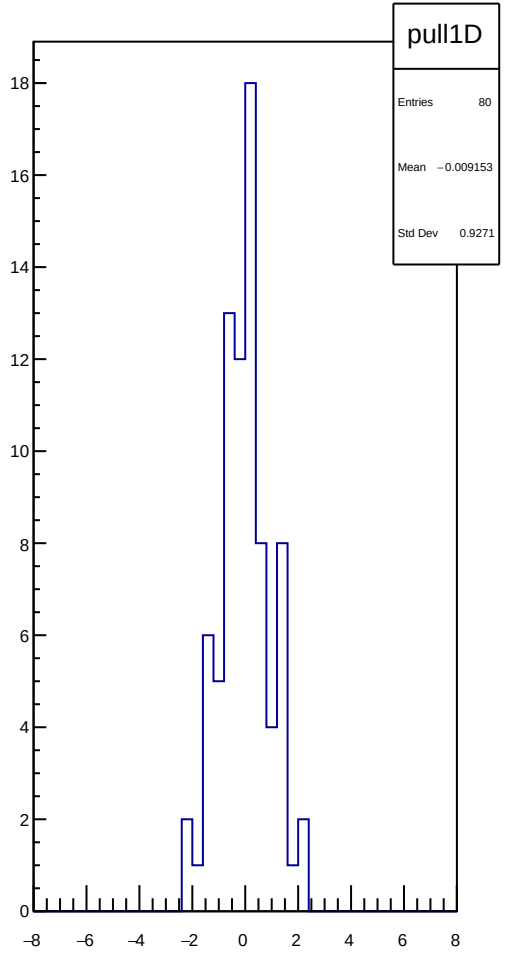
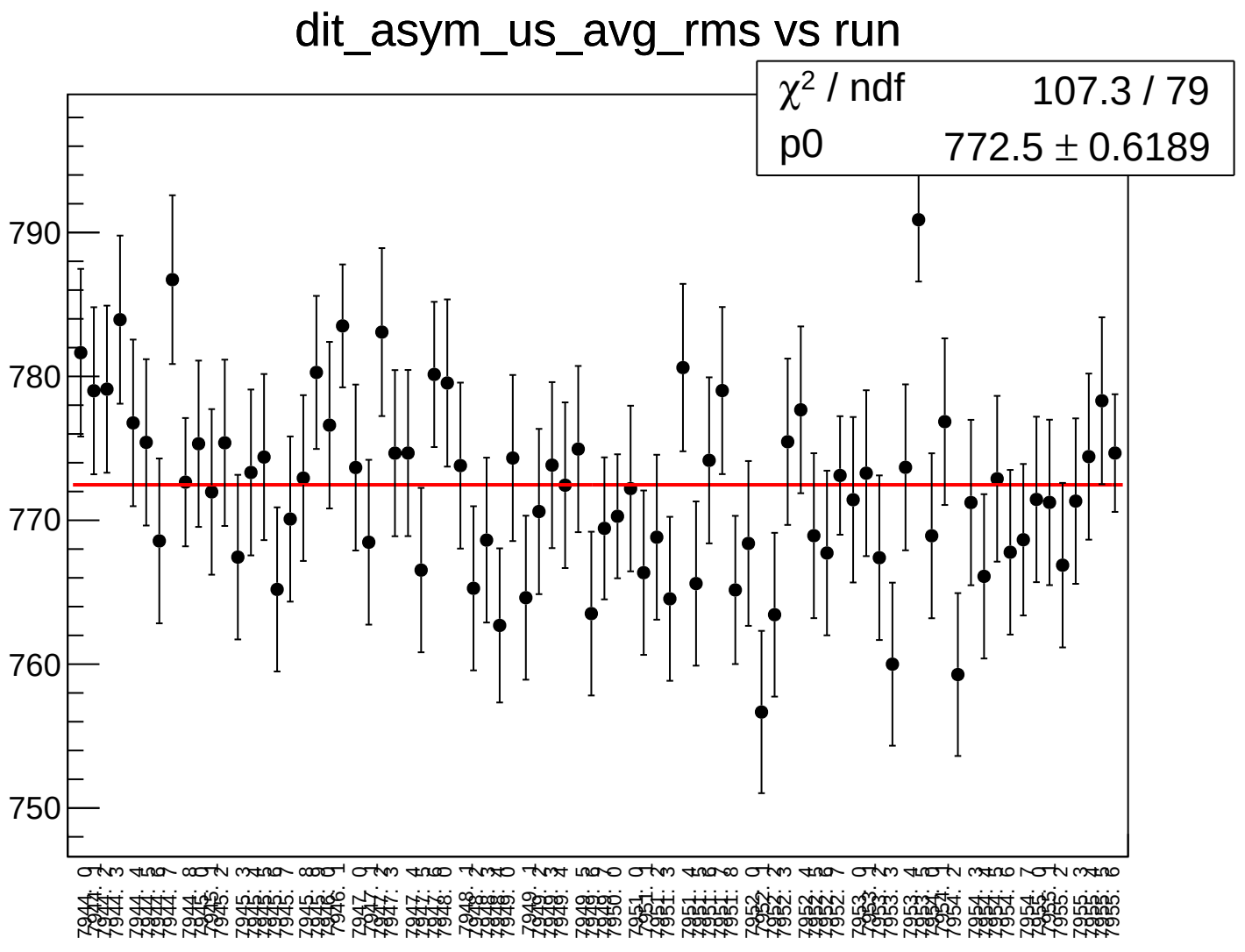
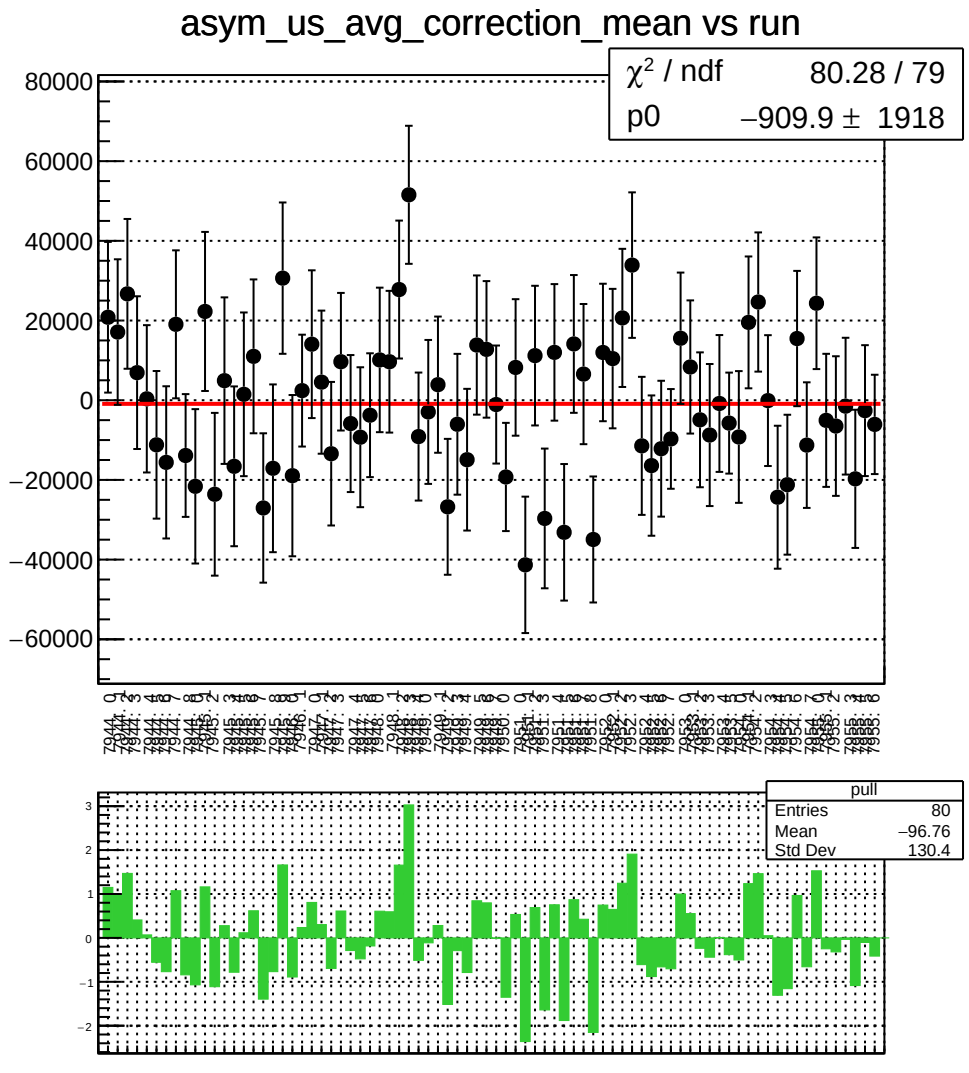
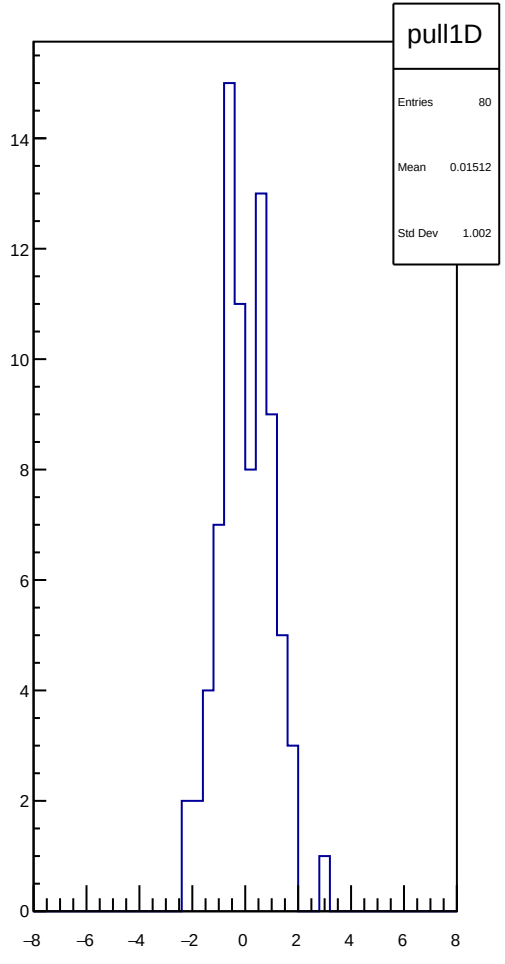
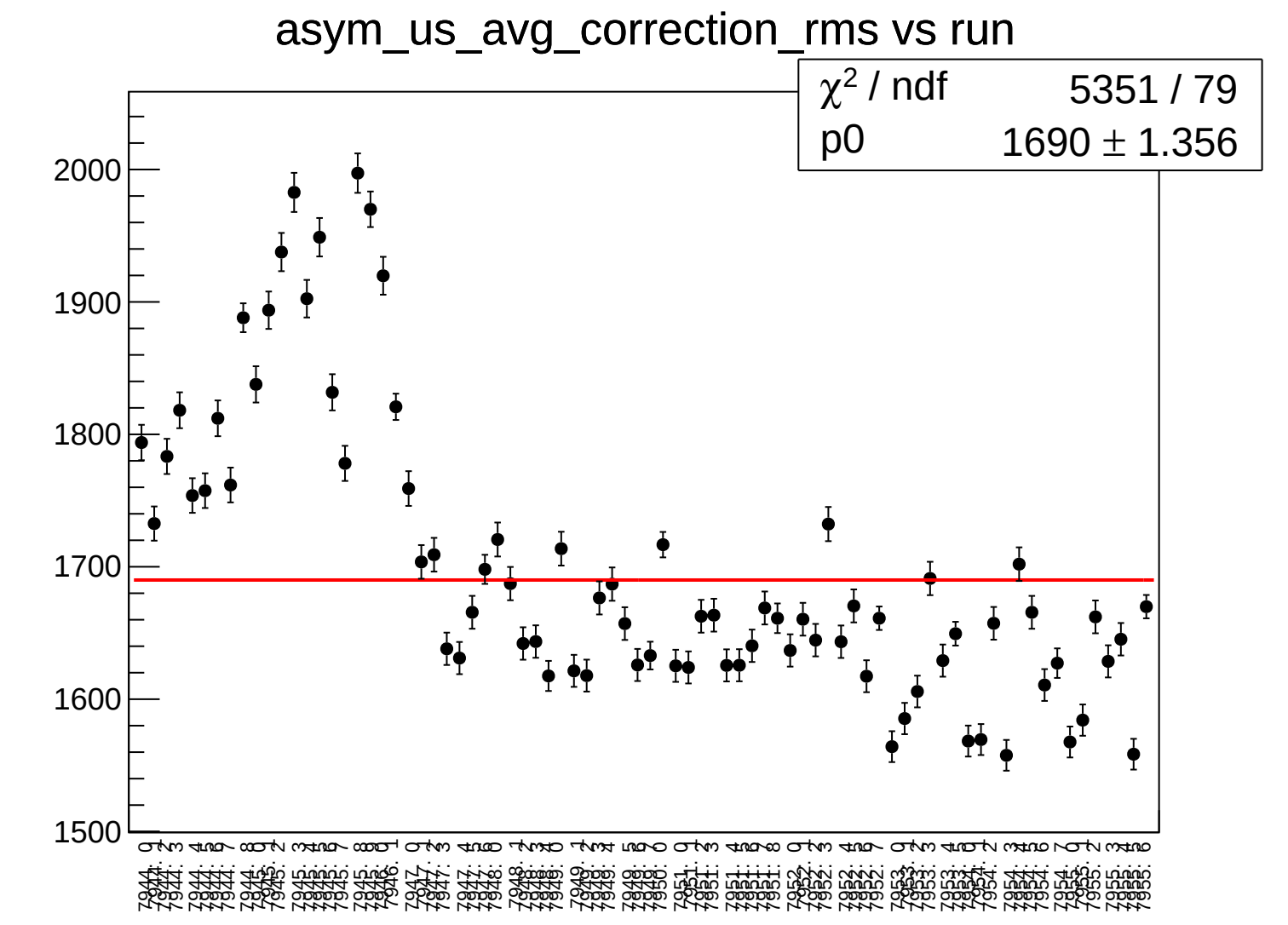

dit_asym_us_avg_mean vs run
χ² / ndf 68.76 / 79
p0 2282 ± 875.2
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −276.9
Std Dev 327.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

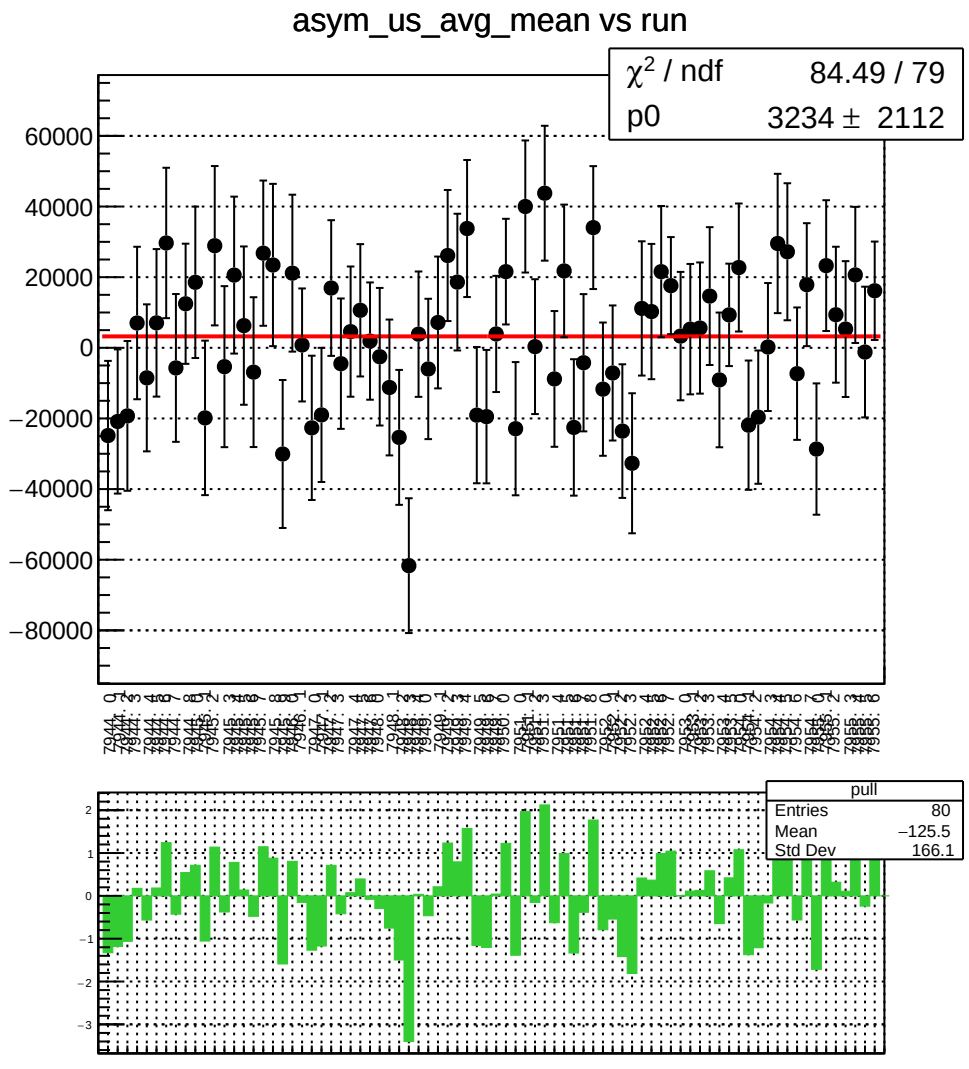

pull1D
Entries 80
Mean −0.009153
Std Dev 0.9271
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

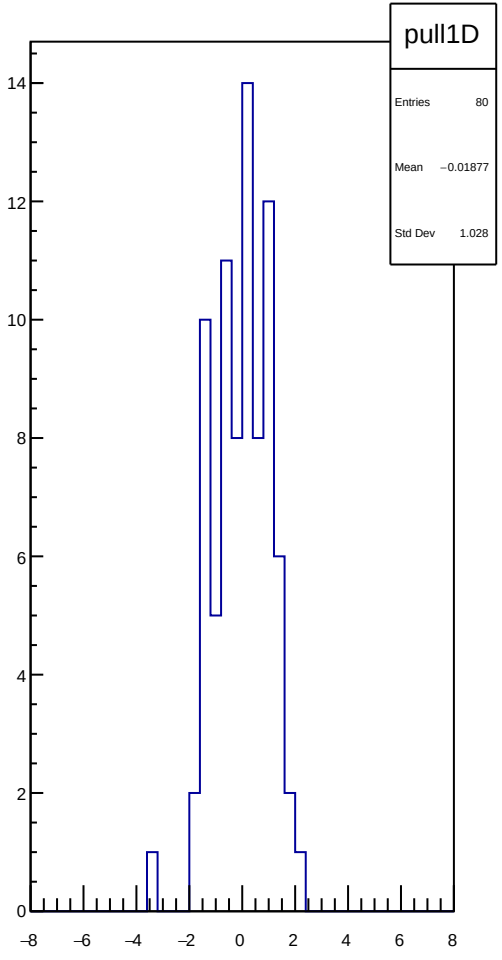

dit_asym_us_avg_rms vs run
χ² / ndf 107.3 / 79
p0 772.5 ± 0.6189
790
780
770
760
750

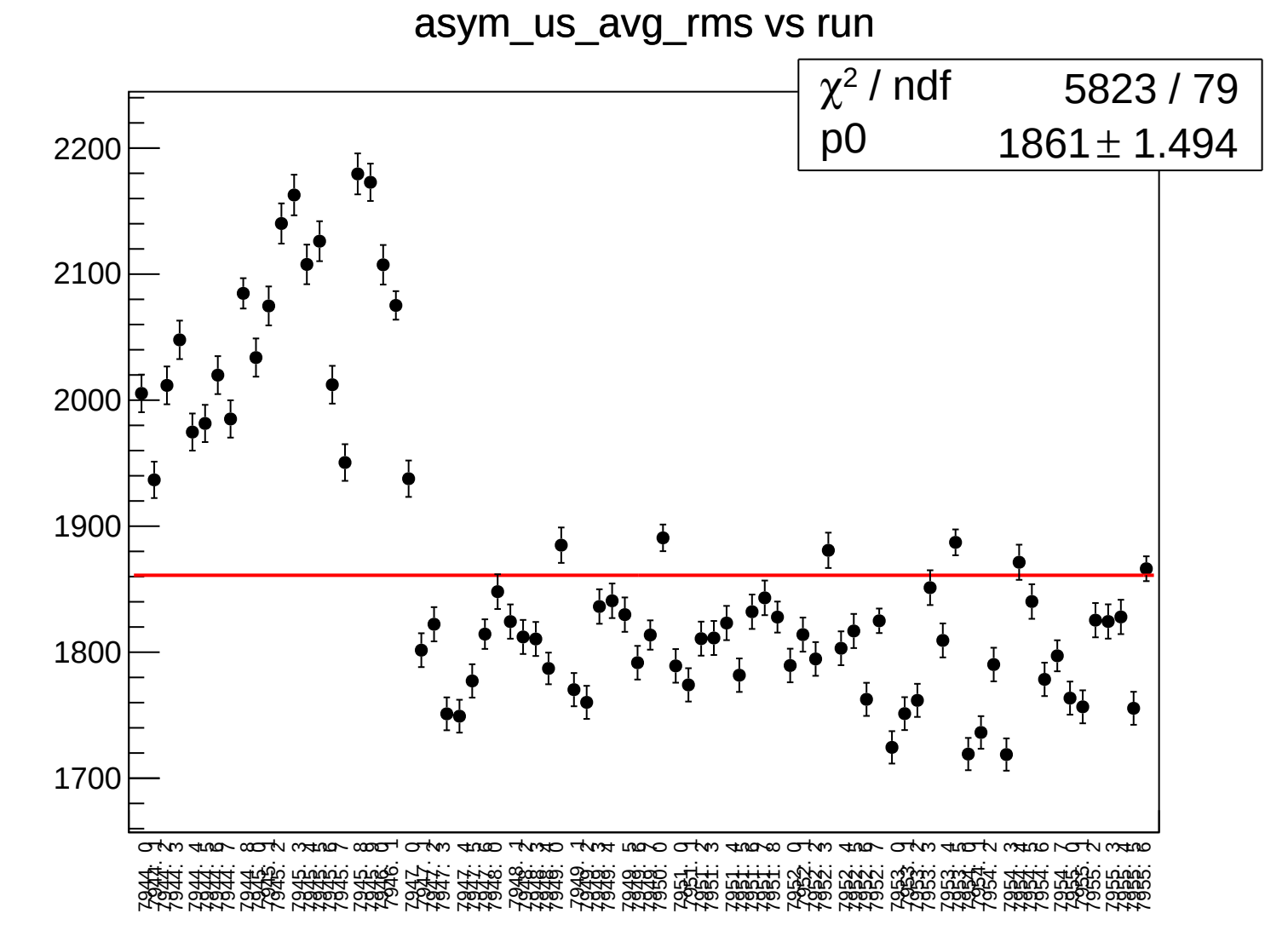

asym_us_avg_correction_mean vs run
χ² / ndf 80.28 / 79
p0 −909.9 ± 1918
pull
Entries 80
Mean −96.76
Std Dev 130.4

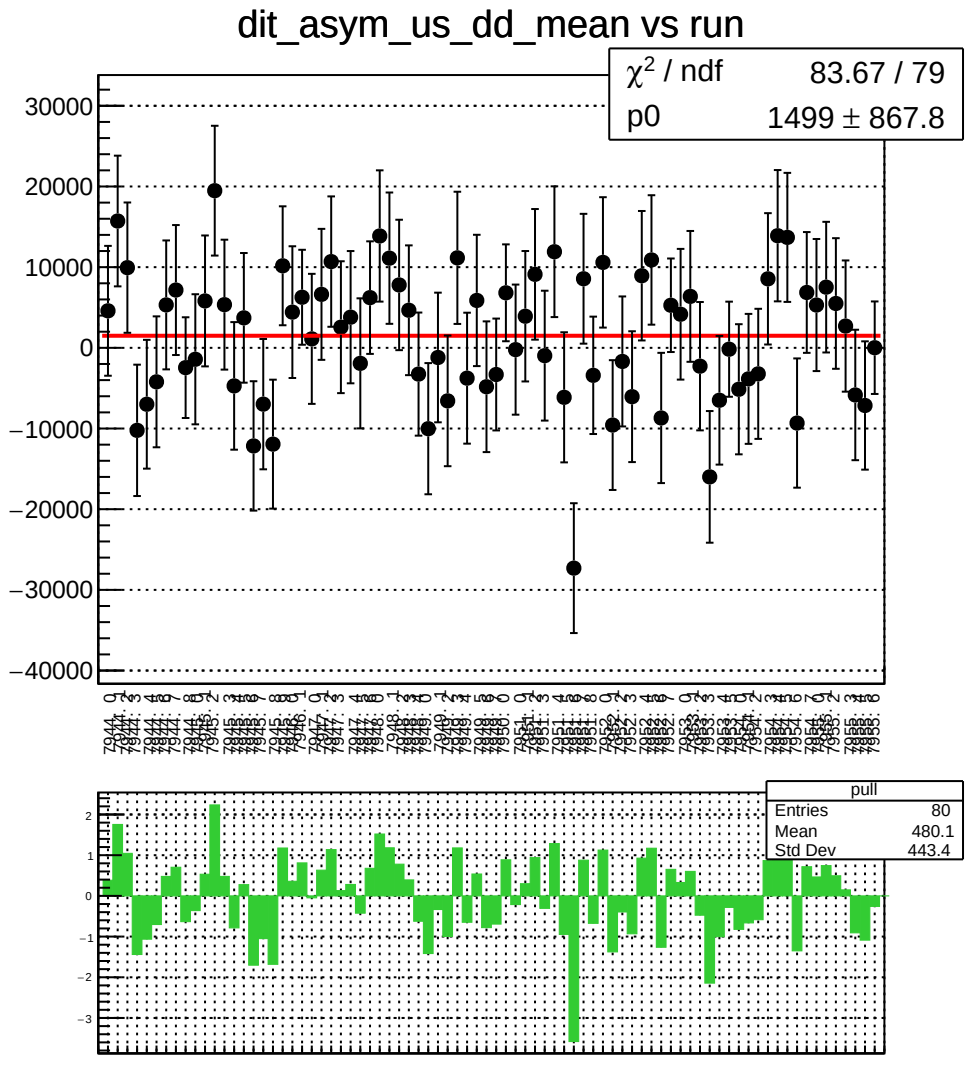

pull1D
Entries 80
Mean 0.01512
Std Dev 1.002

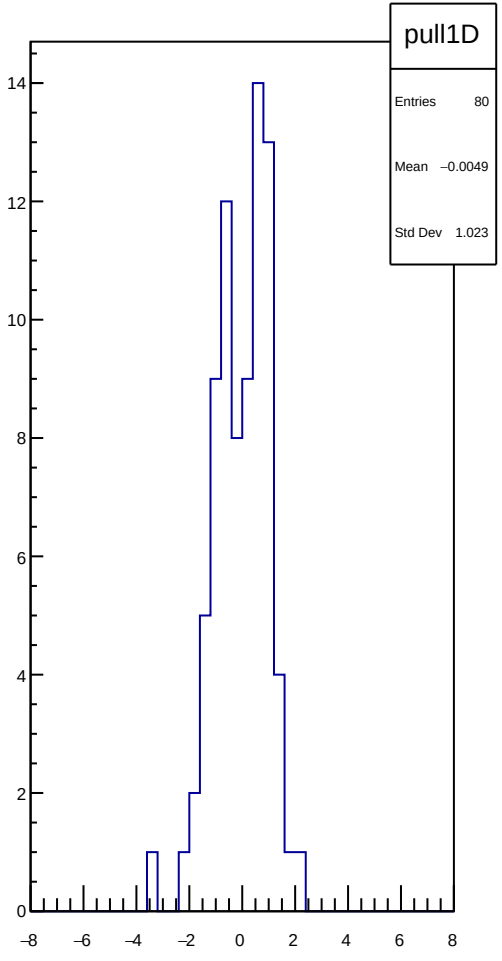

asym_us_avg_correction_rms vs run
χ² / ndf 5351 / 79
p0 1690 ± 1.356
2000
1900
1800
1700
1600
1500

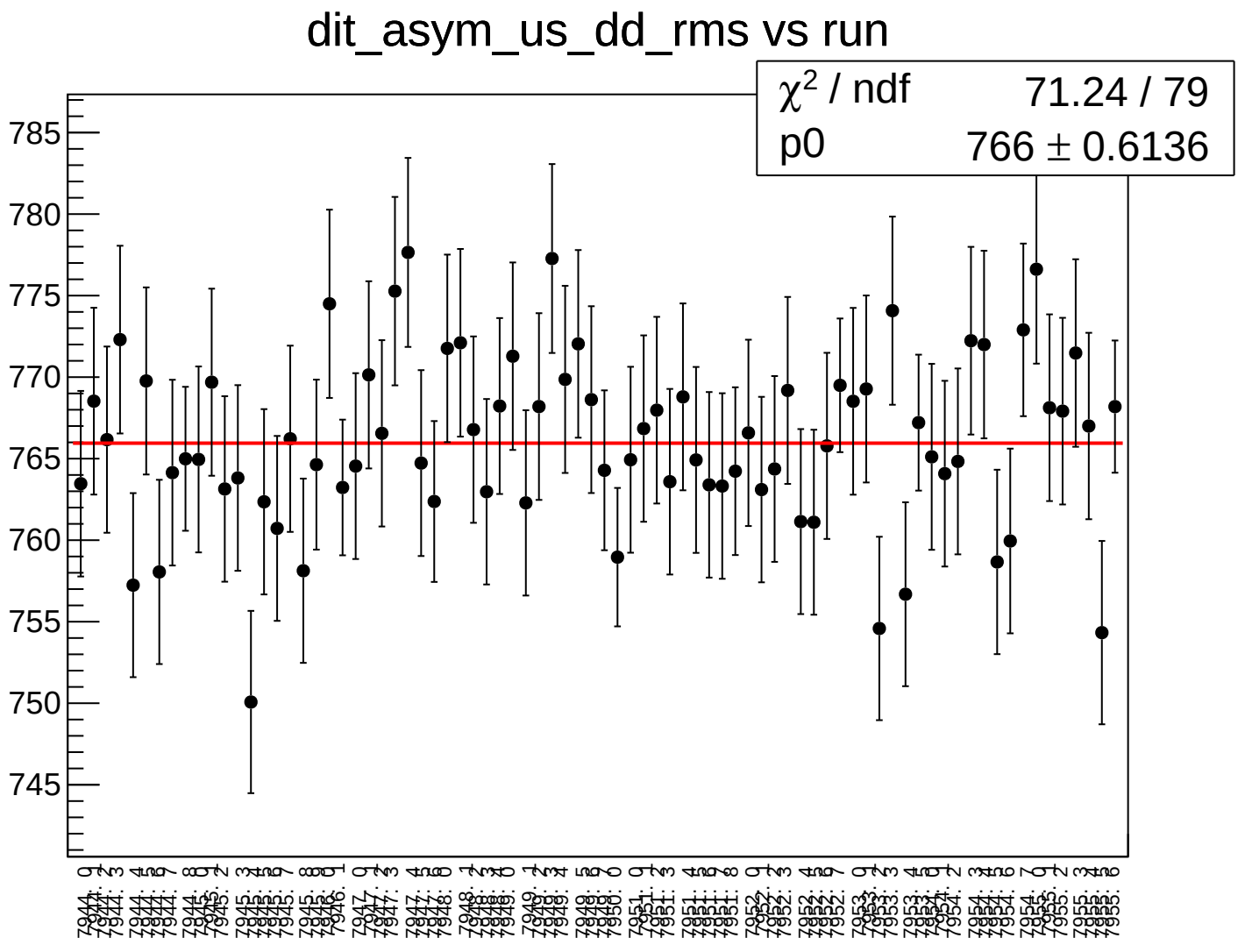

asym_us_avg_mean vs run
χ² / ndf 84.49 / 79
p0 3234 ± 2112
pull
Entries 80
Mean −125.5
Std Dev 166.1

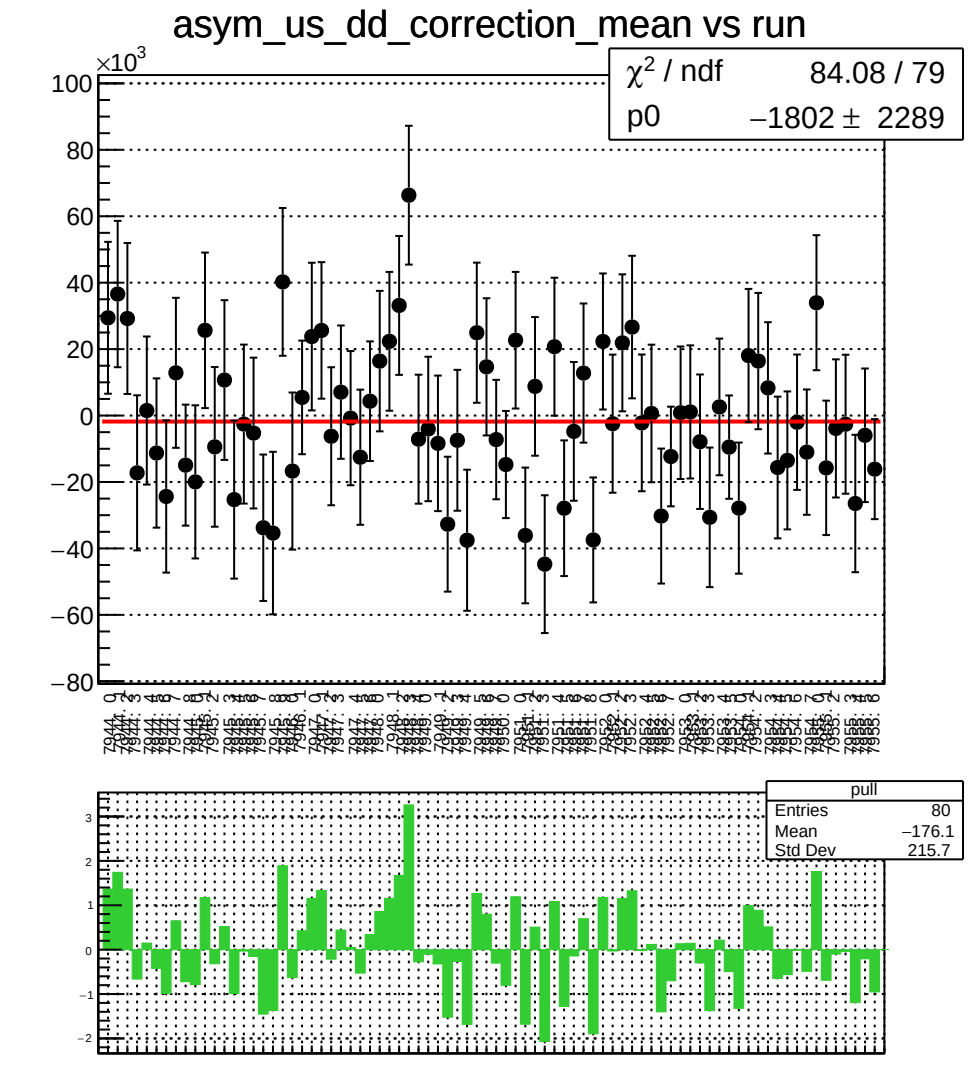

pull1D
Entries 80
Mean −0.01877
Std Dev 1.028

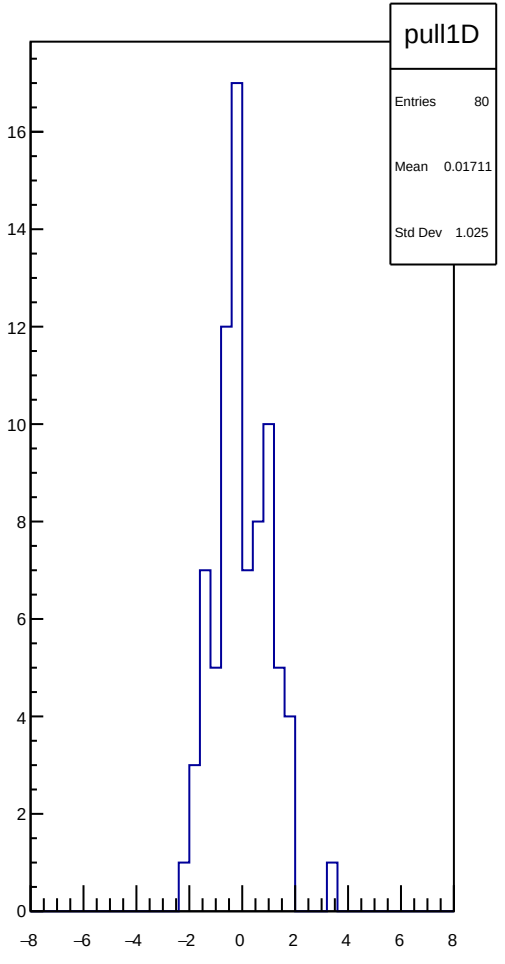

asym_us_avg_rms vs run
χ^2 / ndf 5823 / 79
p0 1861 ± 1.494
2200
2100
2000
1900
1800
1700

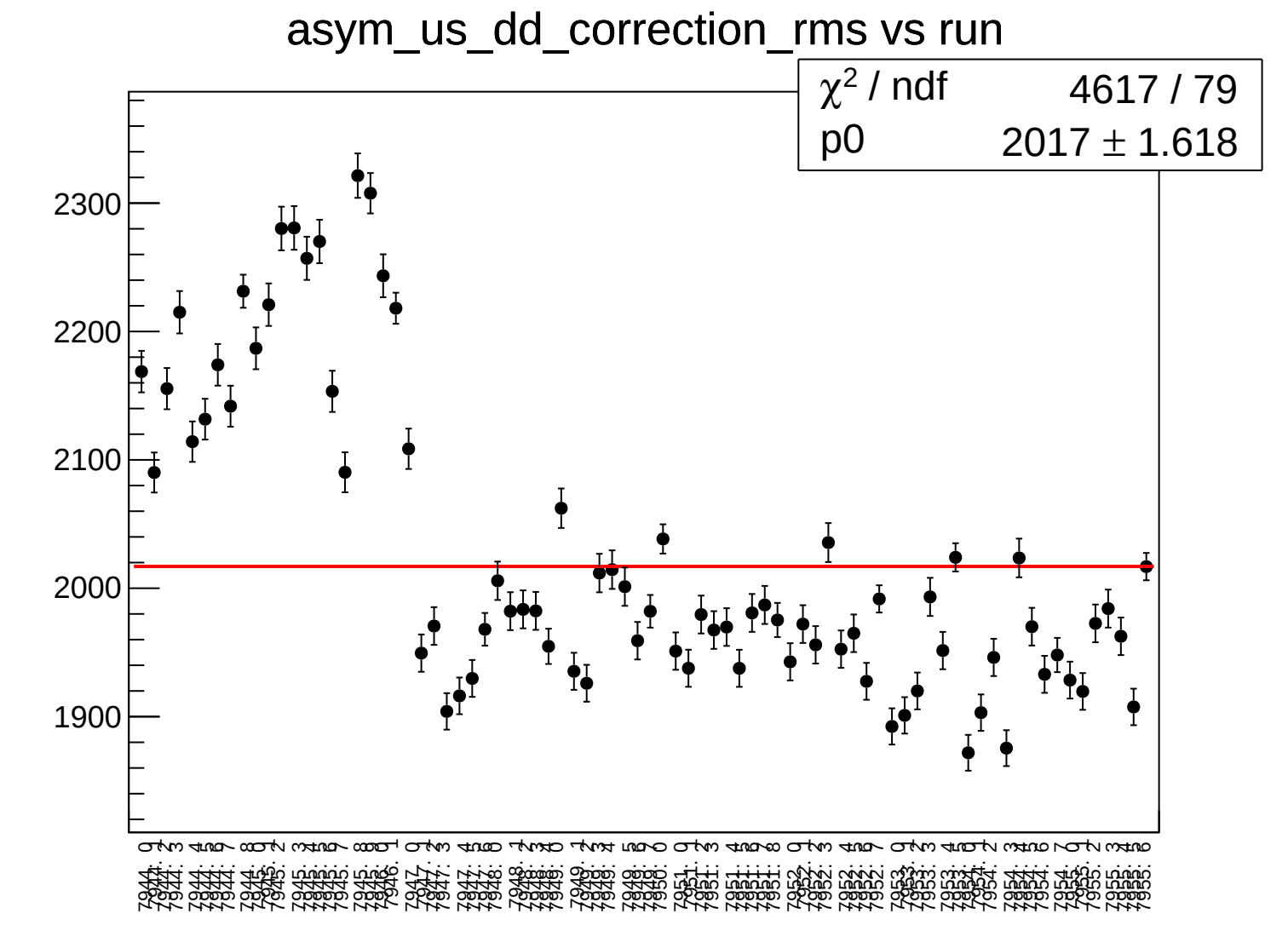

dit_asym_us_dd_mean vs run
χ² / ndf 83.67 / 79
p0 1499 ± 867.8
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean 480.1
Std Dev 443.4
2
1
0
−1
−2
−3

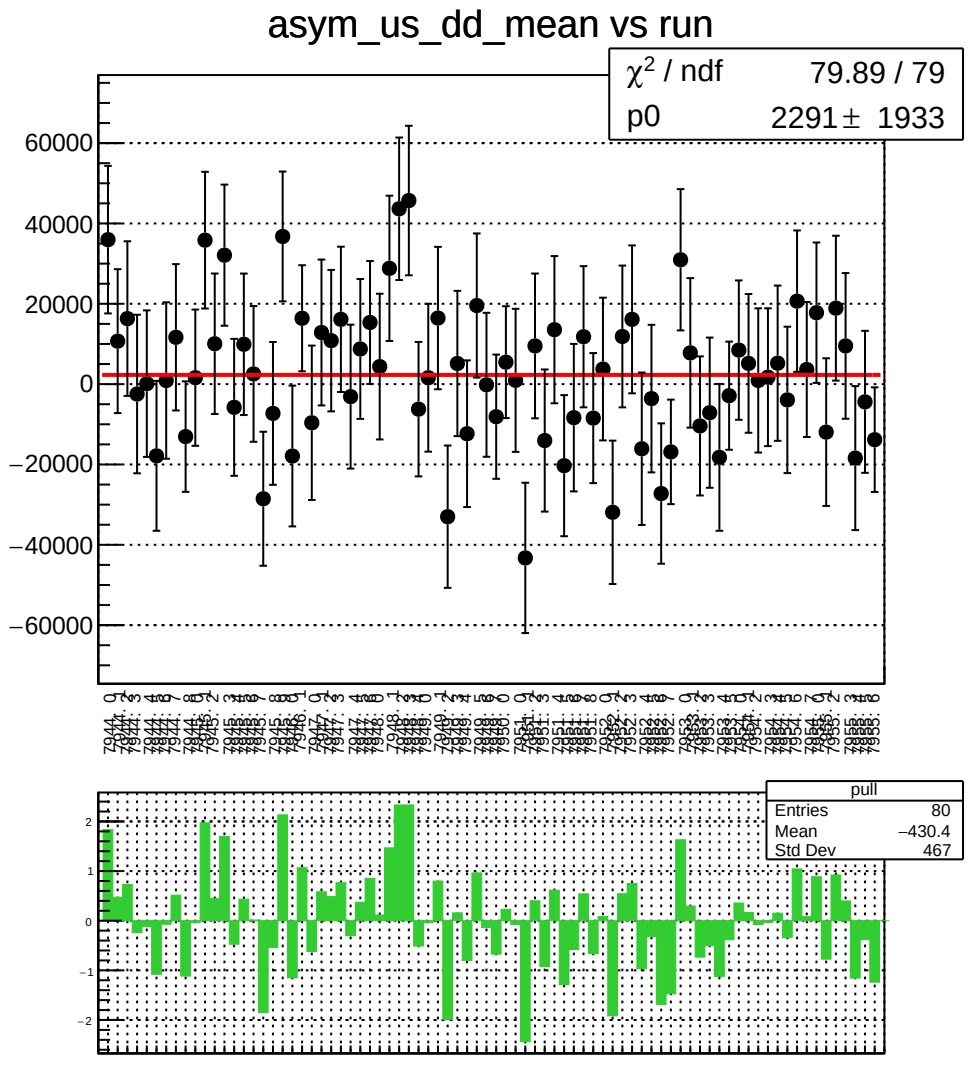

pull1D
Entries 80
Mean −0.0049
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

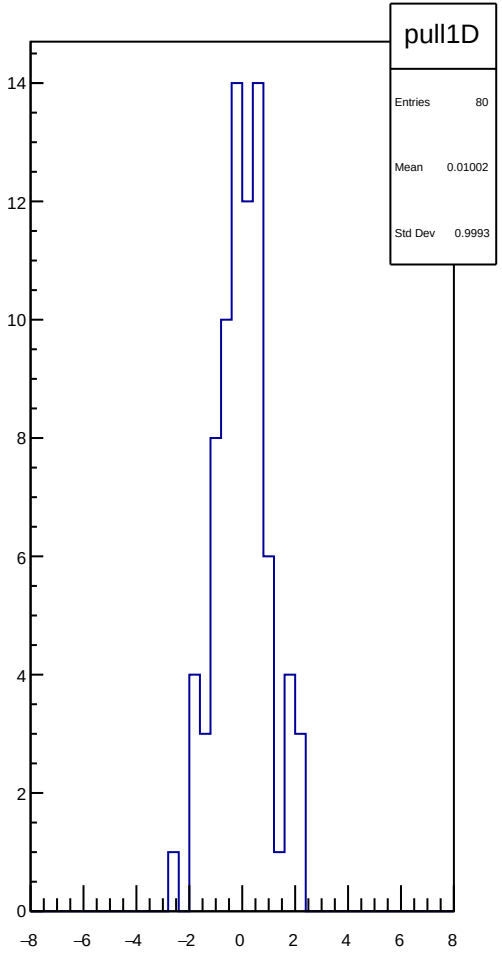

dit_asym_us_dd_rms vs run
χ^2 / ndf 71.24 / 79
p0 766 ± 0.6136
785
780
775
770
765
760
755
750
745

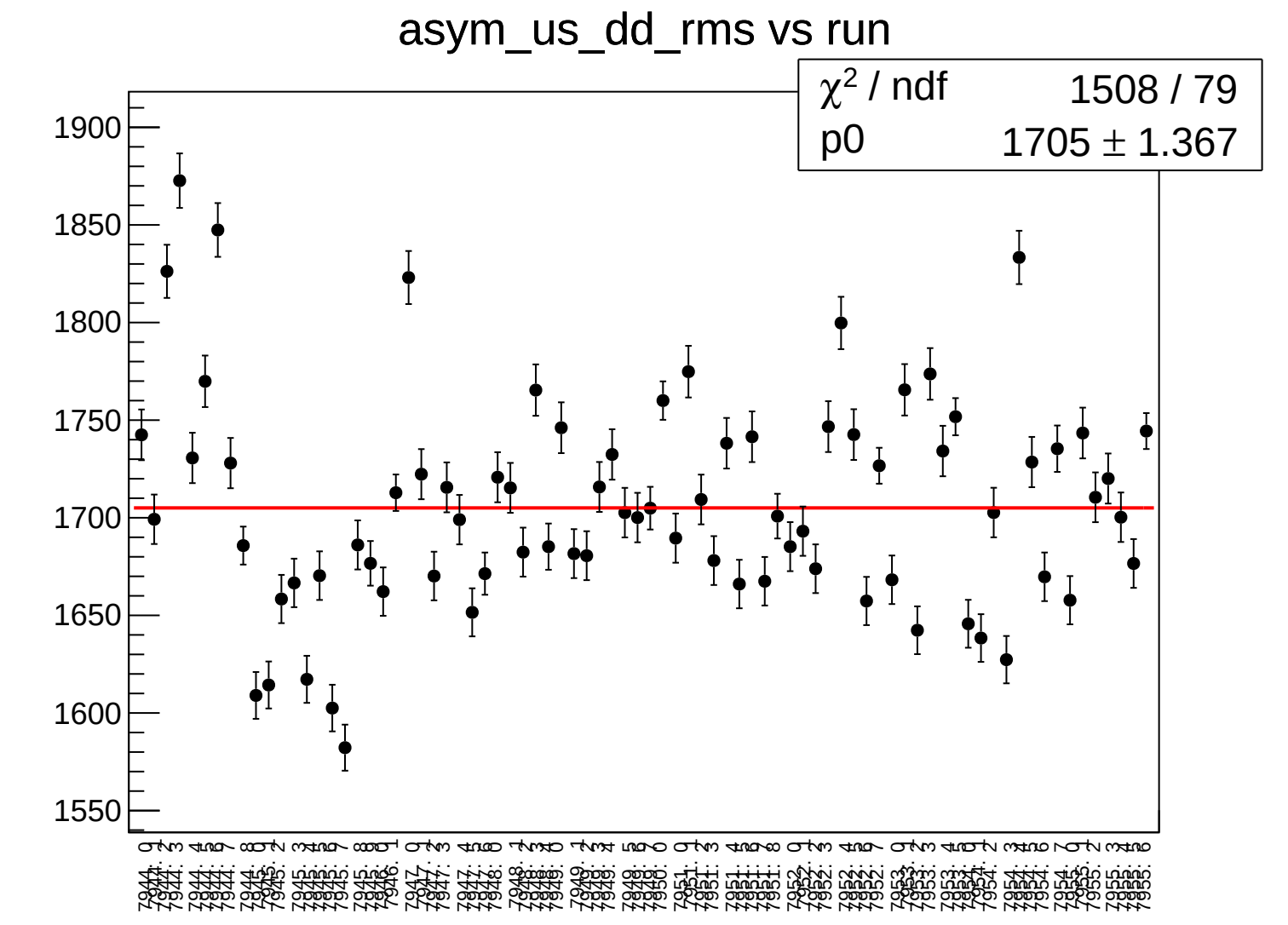

asym_us_dd_correction_mean vs run
×10^3
χ^2 / ndf 84.08 / 79
p0 −1802 ± 2289
pull
Entries 80
Mean −176.1
Std Dev 215.7

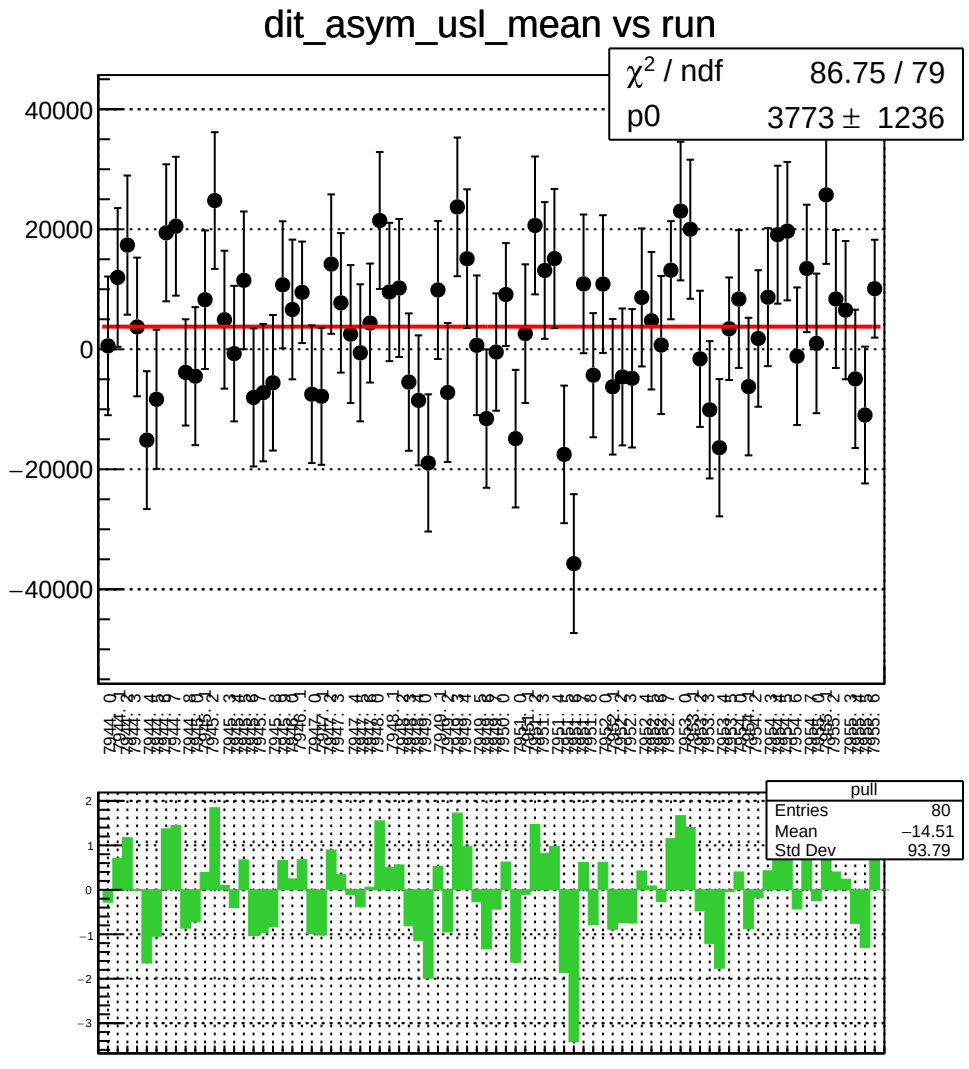

pull1D
Entries 80
Mean 0.01711
Std Dev 1.025

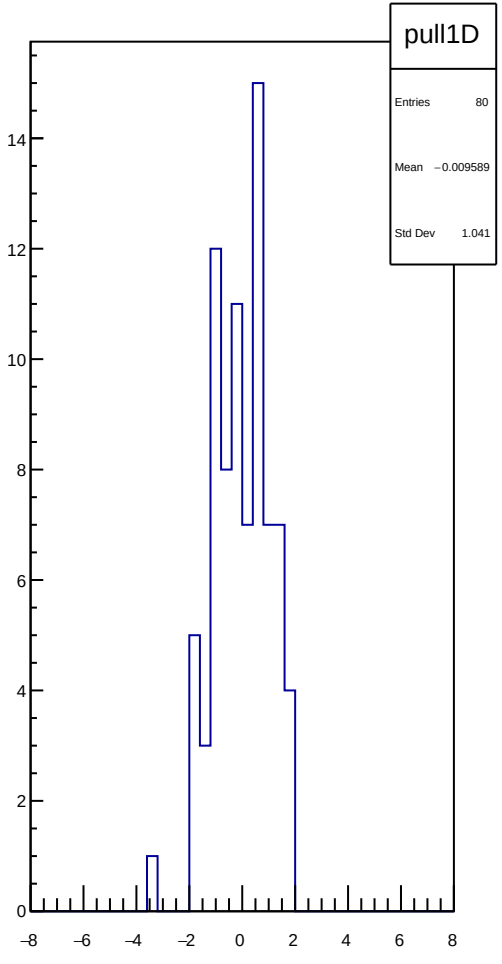

asym_us_dd_correction_rms vs run
χ² / ndf 4617 / 79
p0 2017 ± 1.618
2300
2200
2100
2000
1900

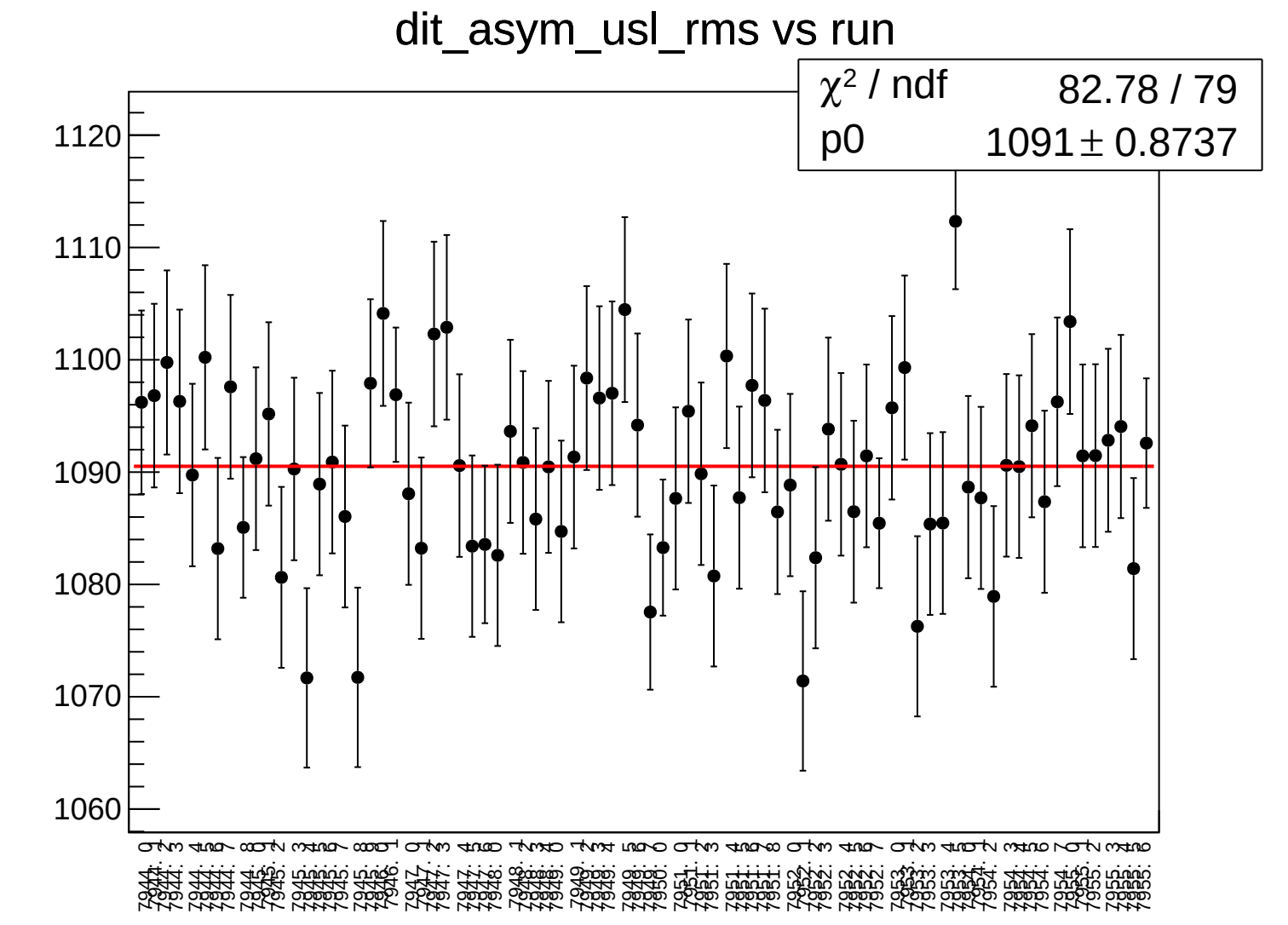

asym_us_dd_mean vs run
χ^2 / ndf 79.89 / 79
p0 2291 ± 1933
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −430.4
Std Dev 467
2
1
0
−1
−2

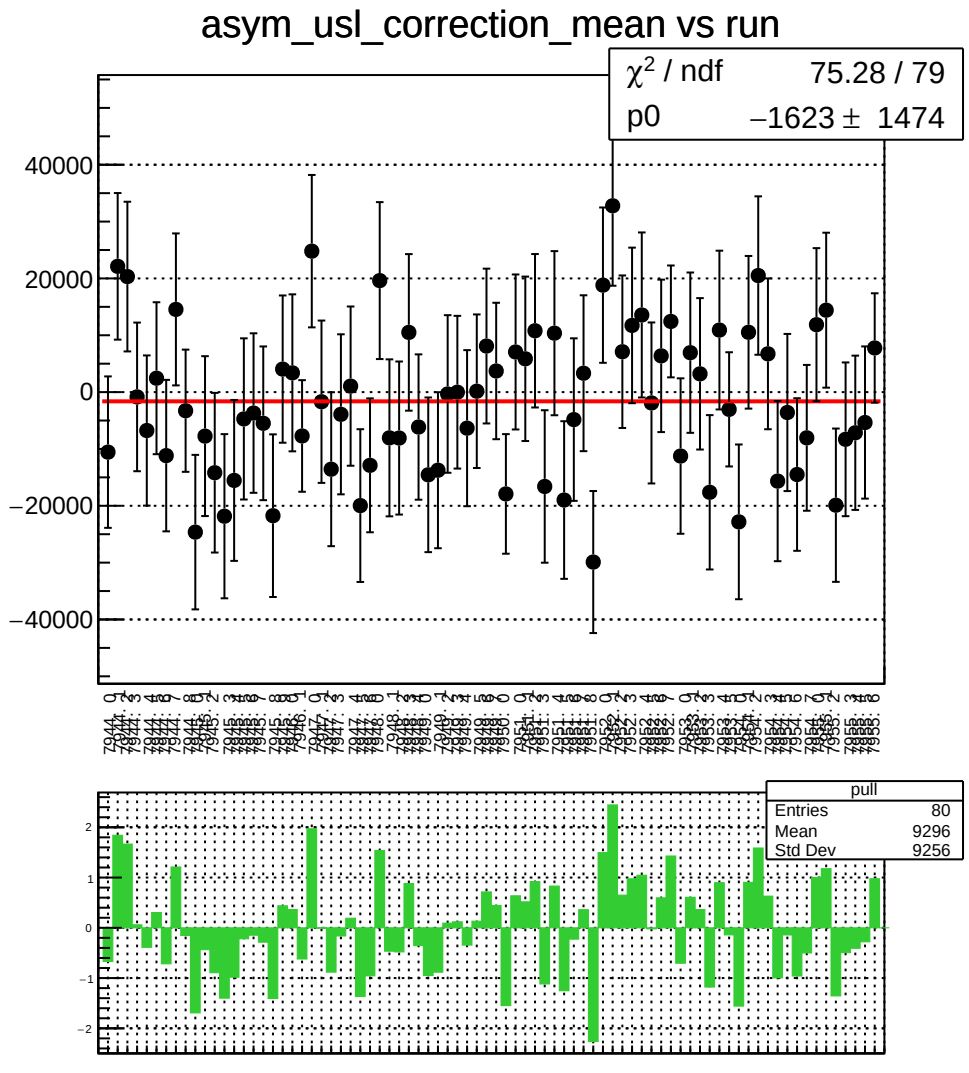

pull1D
Entries 80
Mean 0.01002
Std Dev 0.9993
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

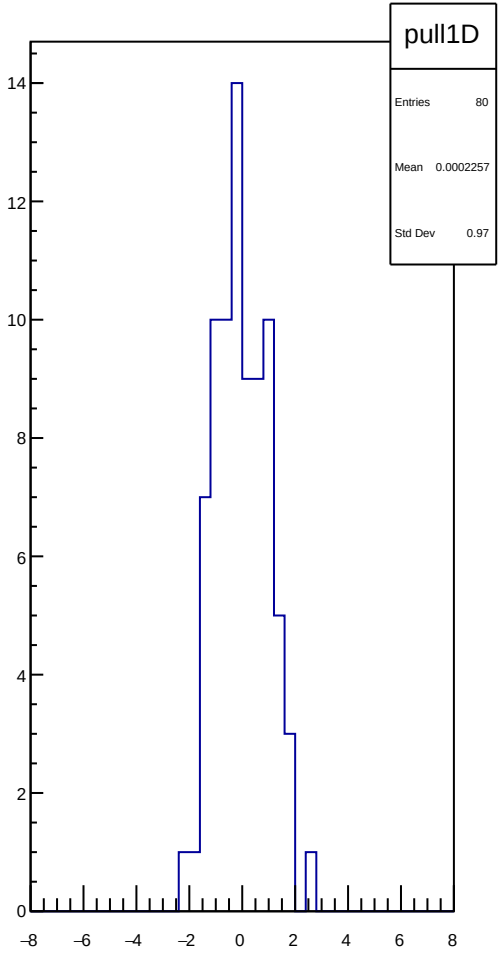

asym_us_dd_rms vs run
χ² / ndf 1508 / 79
p0 1705 ± 1.367
1900
1850
1800
1750
1700
1650
1600
1550

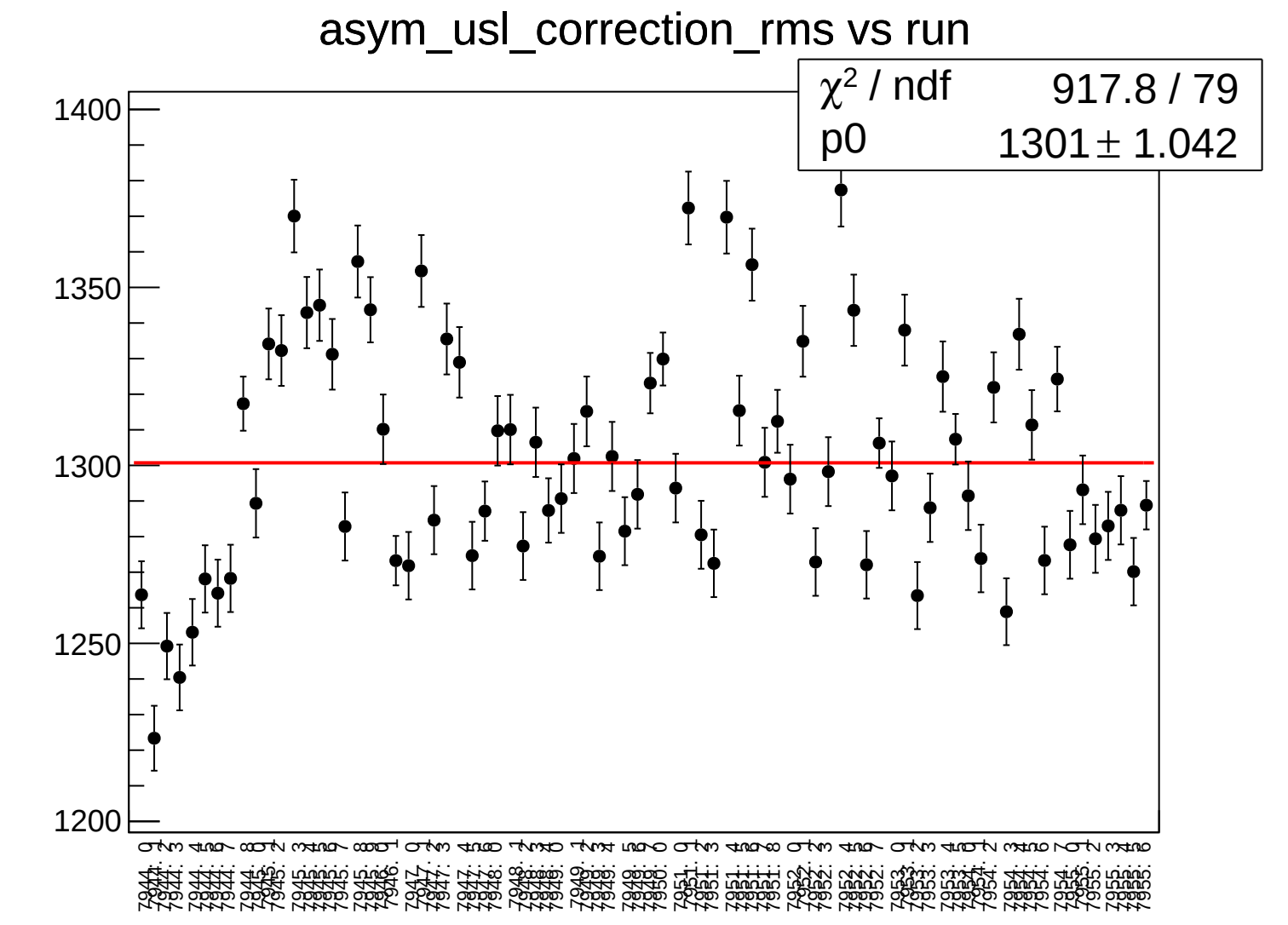

dit_asym_usl_mean vs run
χ² / ndf 86.75 / 79
p0 3773 ± 1236
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −14.51
Std Dev 93.79
2
1
0
−1
−2
−3

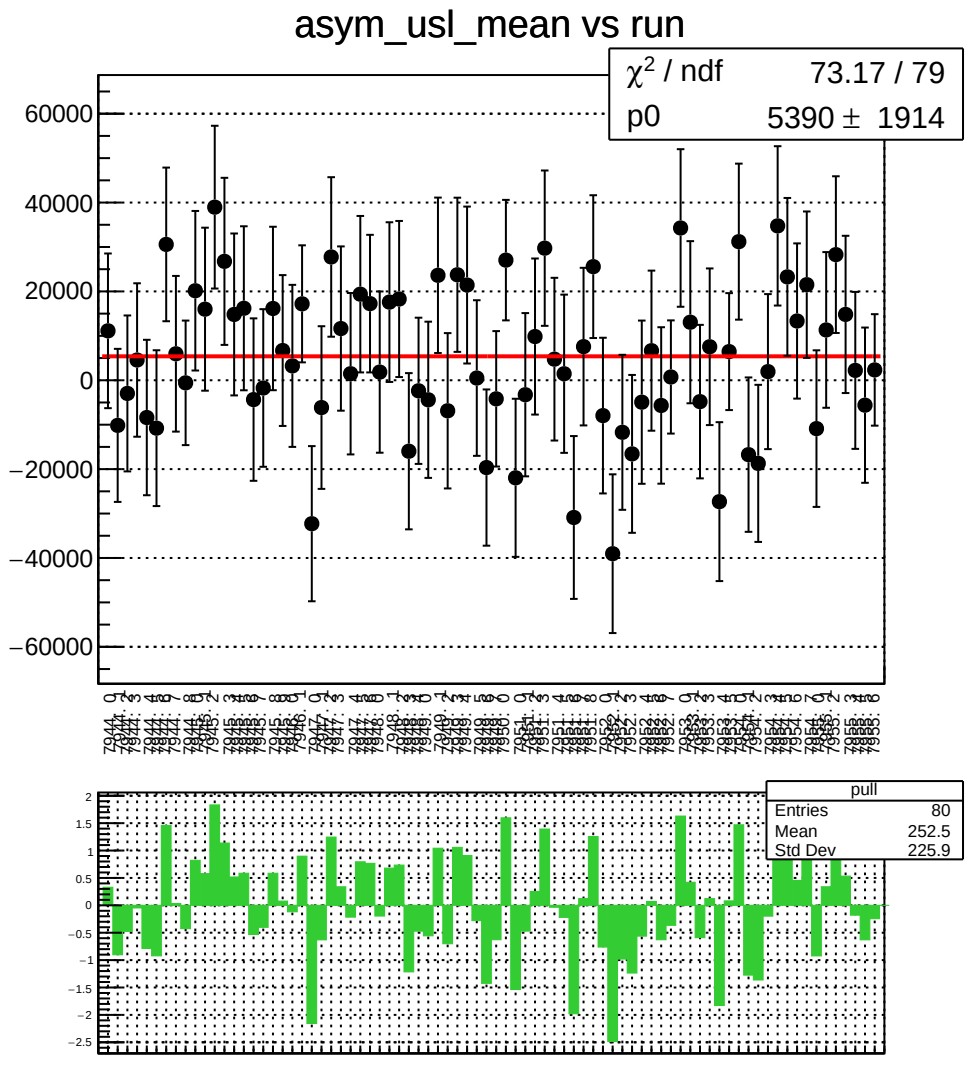

pull1D
Entries 80
Mean −0.009589
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

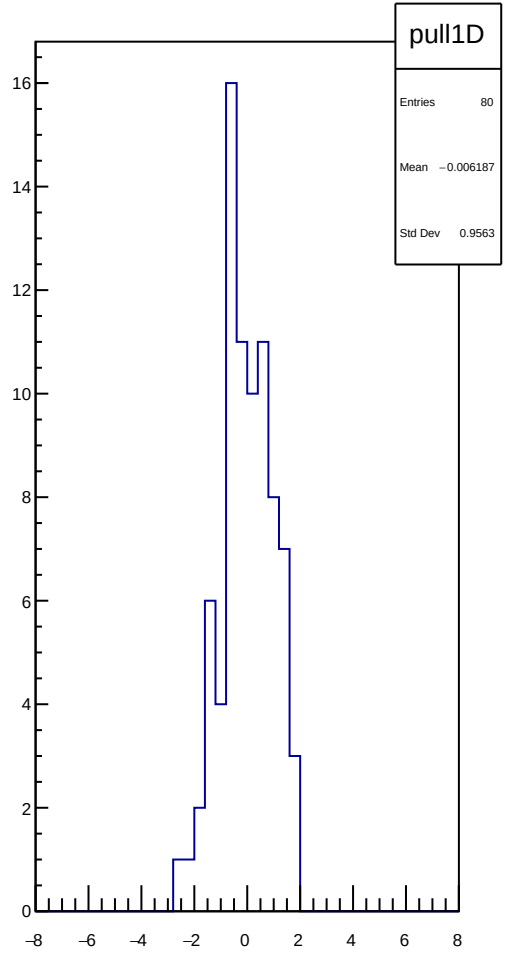

dit_asym_usl_rms vs run
χ² / ndf 82.78 / 79
p0 1091 ± 0.8737
1120
1110
1100
1090
1080
1070
1060

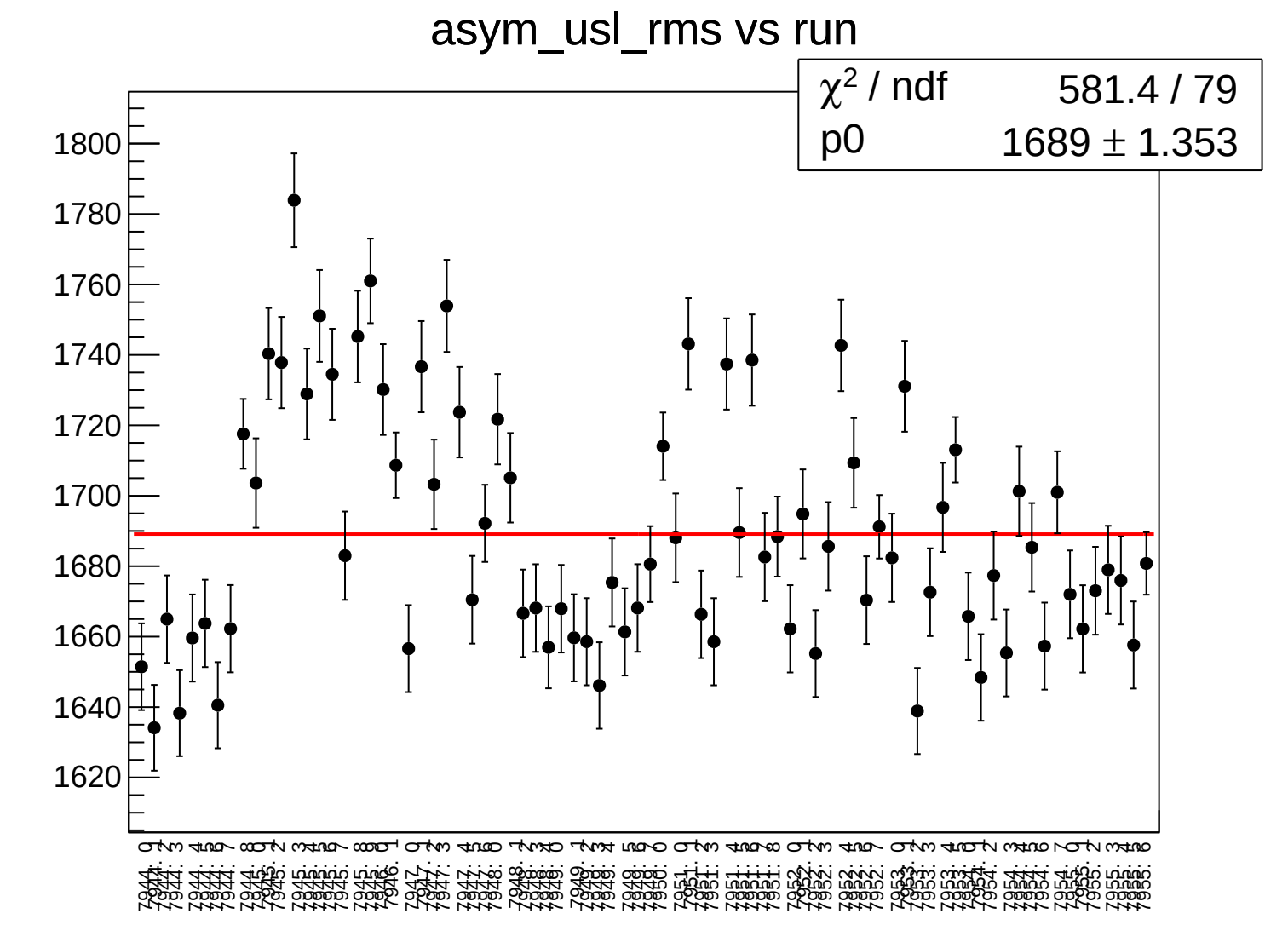

asym_usl_correction_mean vs run
χ² / ndf 75.28 / 79
p0 −1623 ± 1474
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 9296
Std Dev 9256
2
1
0
−1
−2

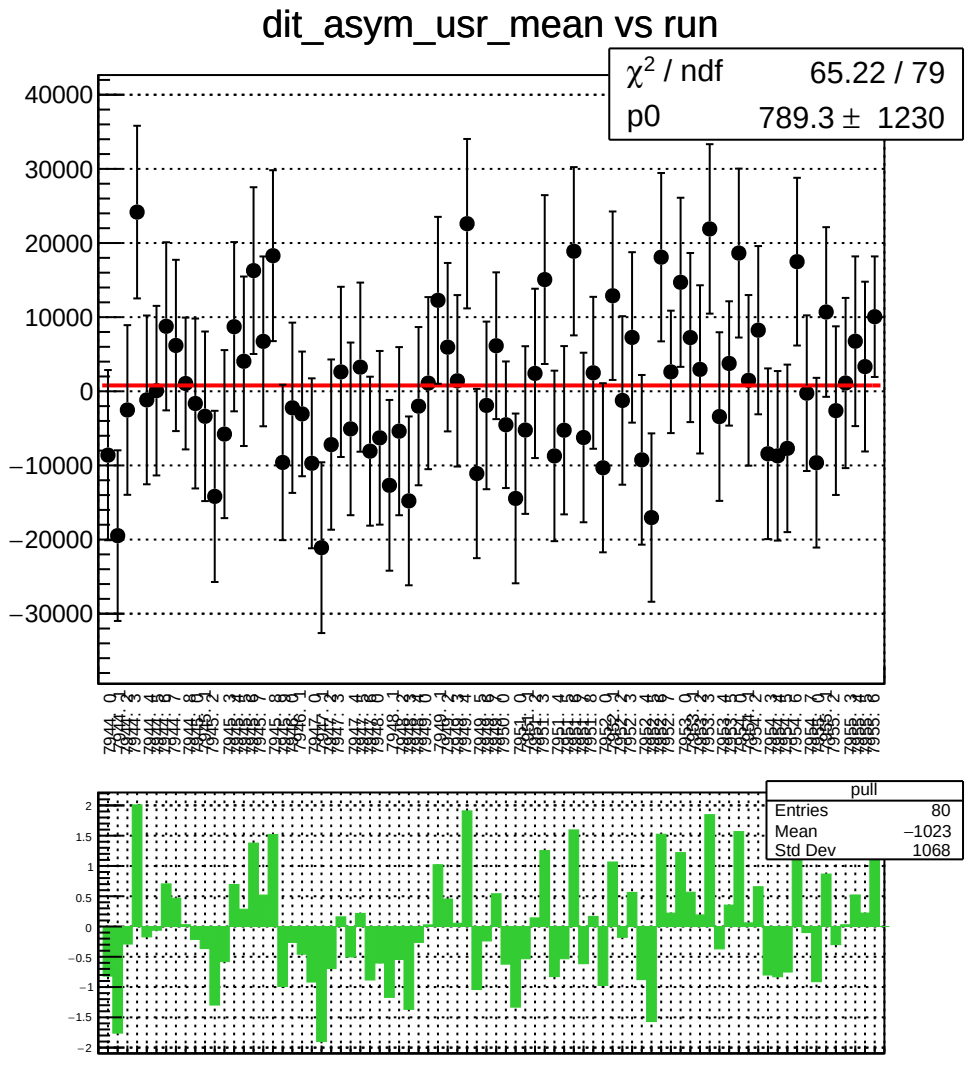

pull1D
Entries 80
Mean 0.0002257
Std Dev 0.97
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

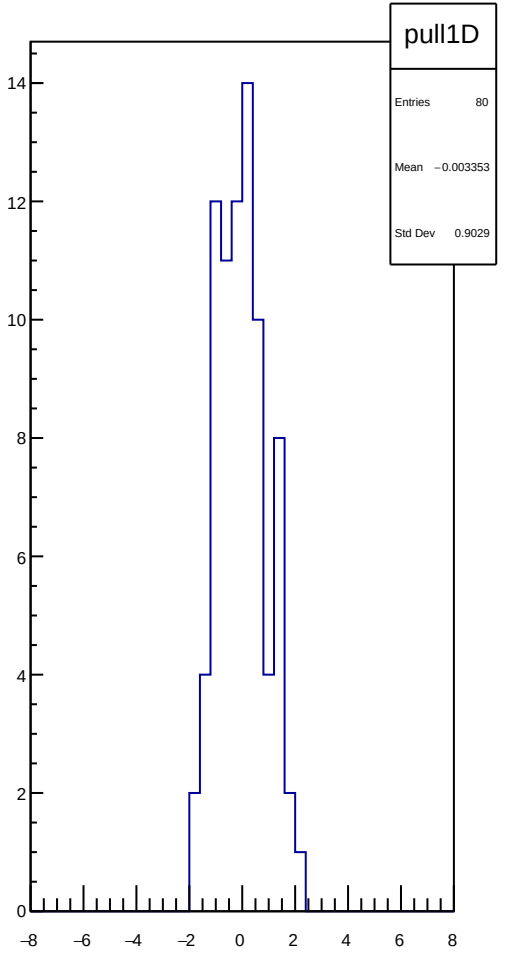

asym_usl_correction_rms vs run
χ² / ndf 917.8 / 79
p0 1301 ± 1.042
1400
1350
1300
1250
1200

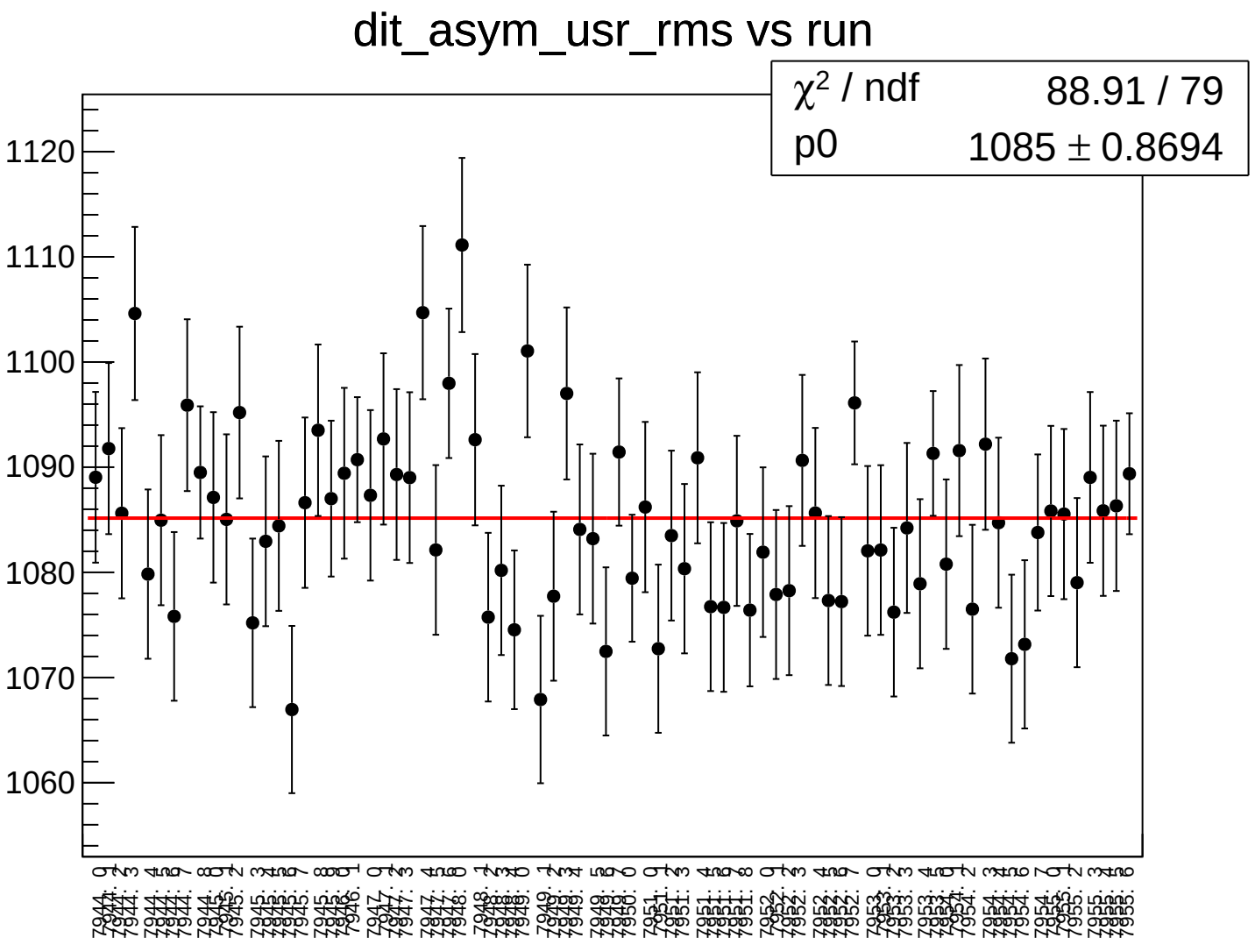

asym_usl_mean vs run
χ² / ndf 73.17 / 79
p0 5390 ± 1914
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 252.5
Std Dev 225.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

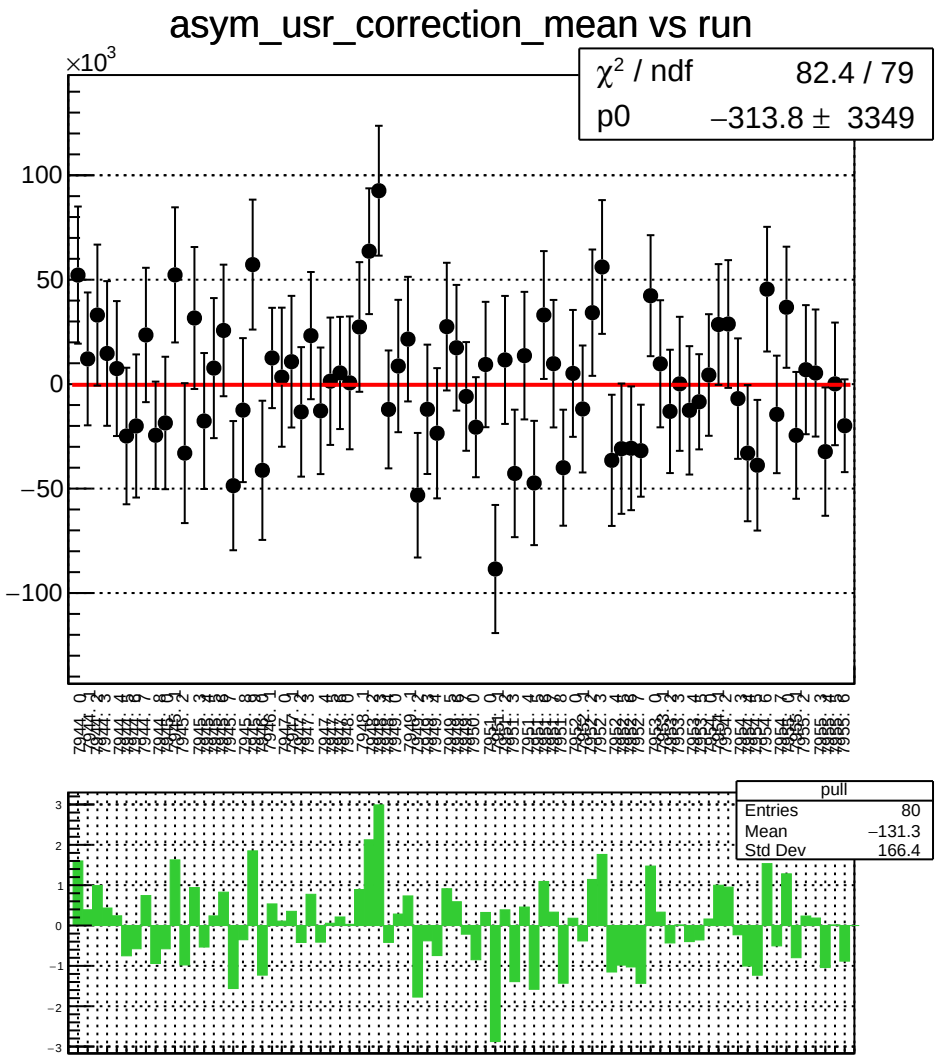

pull1D
Entries 80
Mean −0.006187
Std Dev 0.9563
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

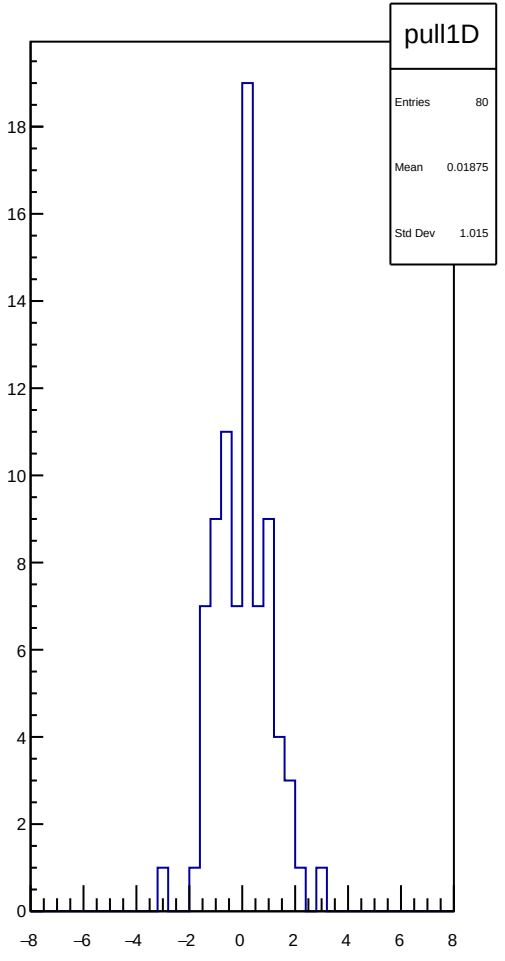

asym_usl_rms vs run
χ^2 / ndf 581.4 / 79
p0 1689 ± 1.353
1800
1780
1760
1740
1720
1700
1680
1660
1640
1620

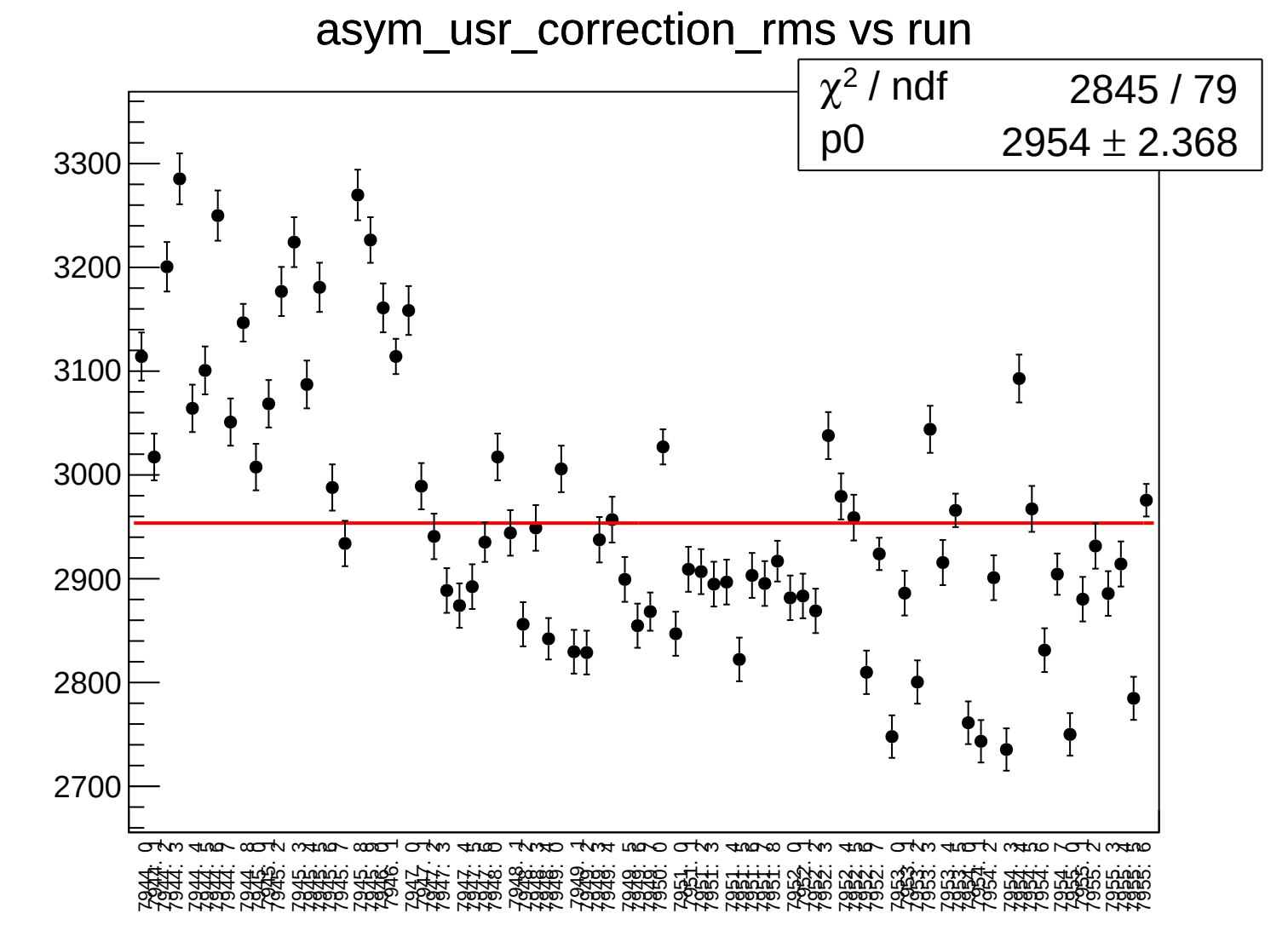

dit_asym_usr_mean vs run
χ² / ndf 65.22 / 79
p0 789.3 ± 1230
pull
Entries 80
Mean −1023
Std Dev 1068

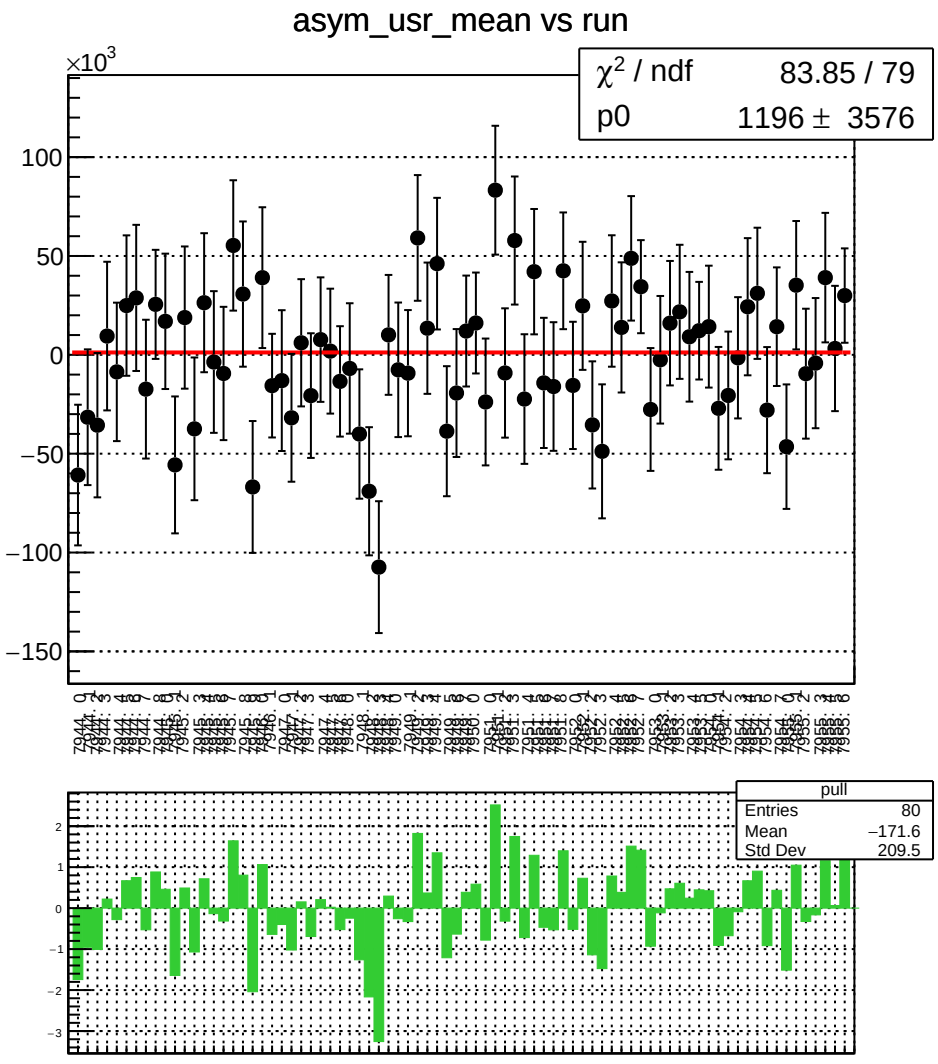

pull1D
Entries 80
Mean −0.003353
Std Dev 0.9029

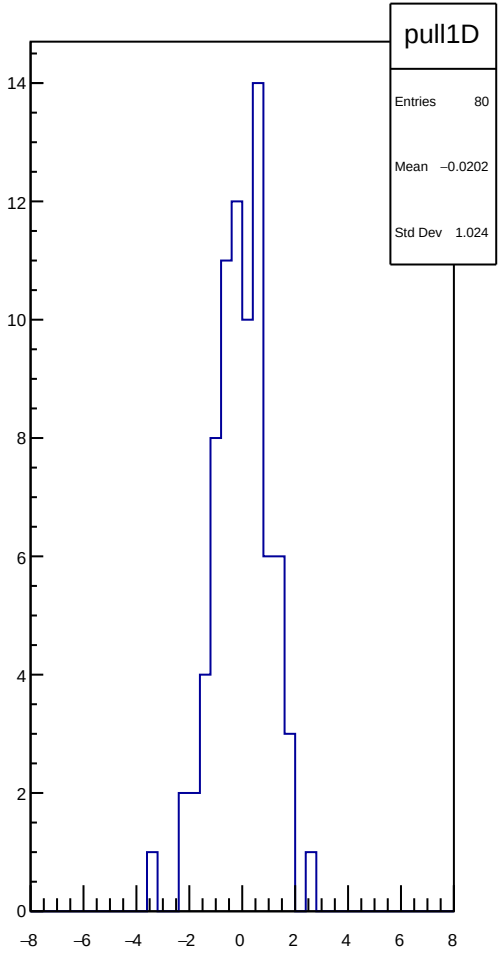

dit_asym_usr_rms vs run
χ² / ndf 88.91 / 79
p0 1085 ± 0.8694
1120
1110
1100
1090
1080
1070
1060

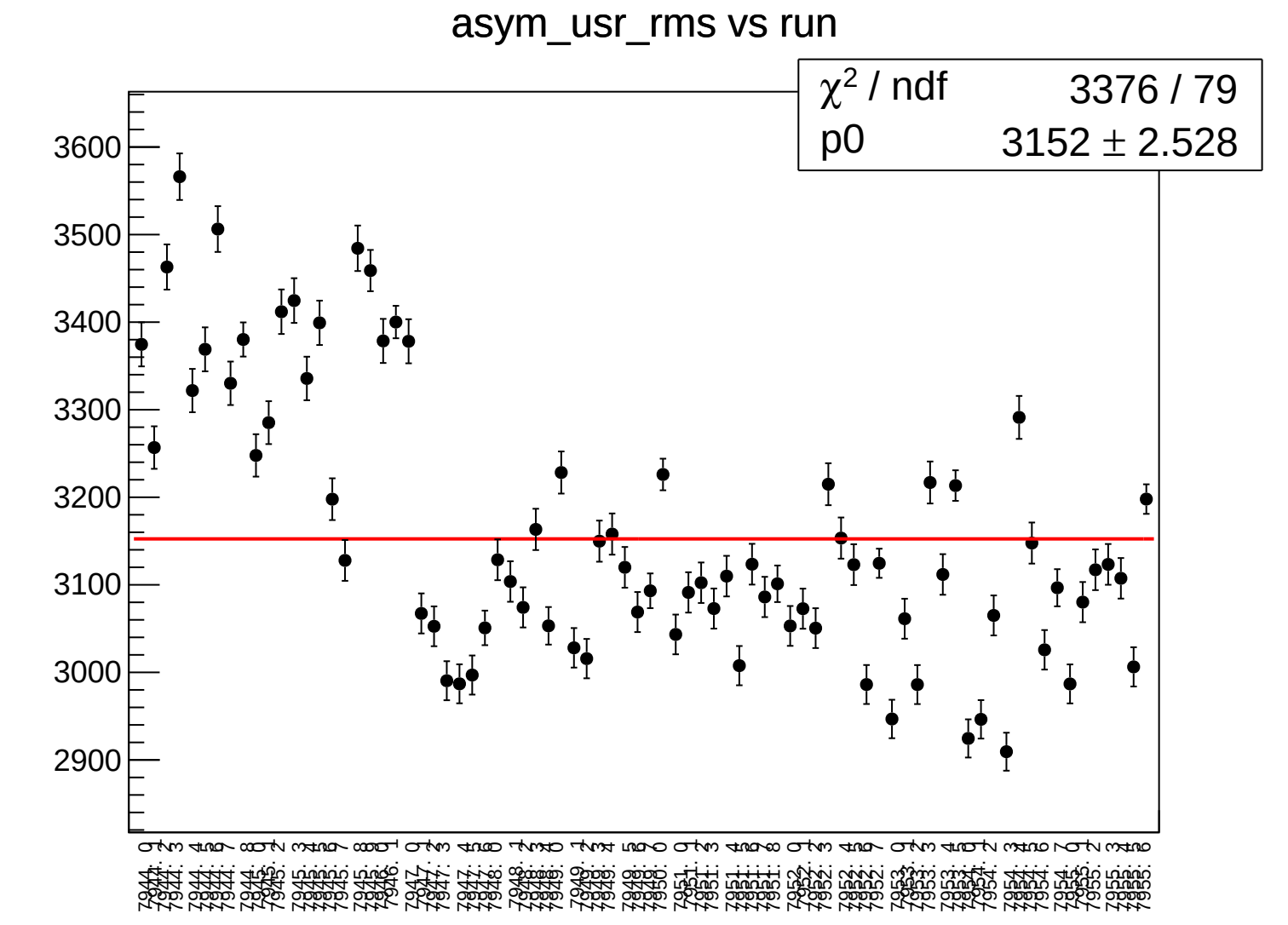

asym_usr_correction_mean vs run
×10^3
χ² / ndf 82.4 / 79
p0 −313.8 ± 3349
100
50
0
−50
−100
pull
Entries 80
Mean −131.3
Std Dev 166.4
3
2
1
0
−1
−2
−3

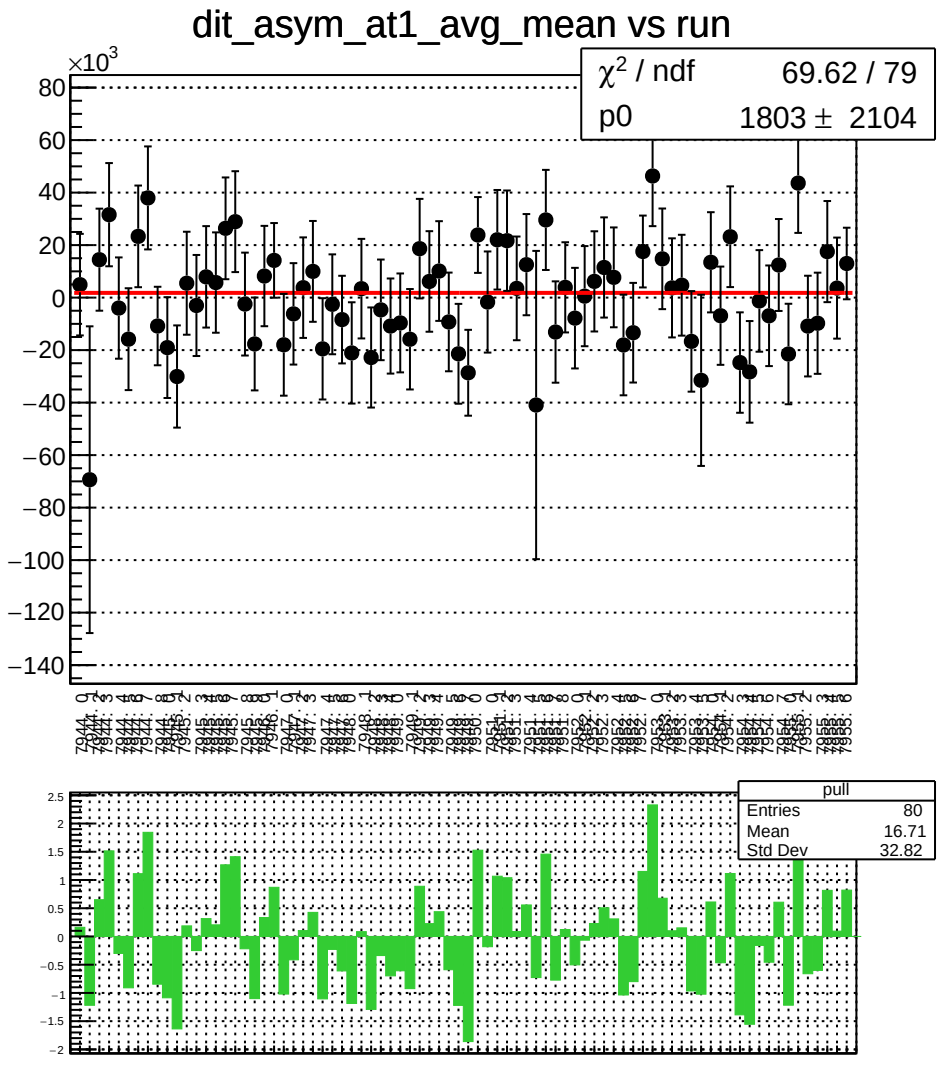

pull1D
Entries 80
Mean 0.01875
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

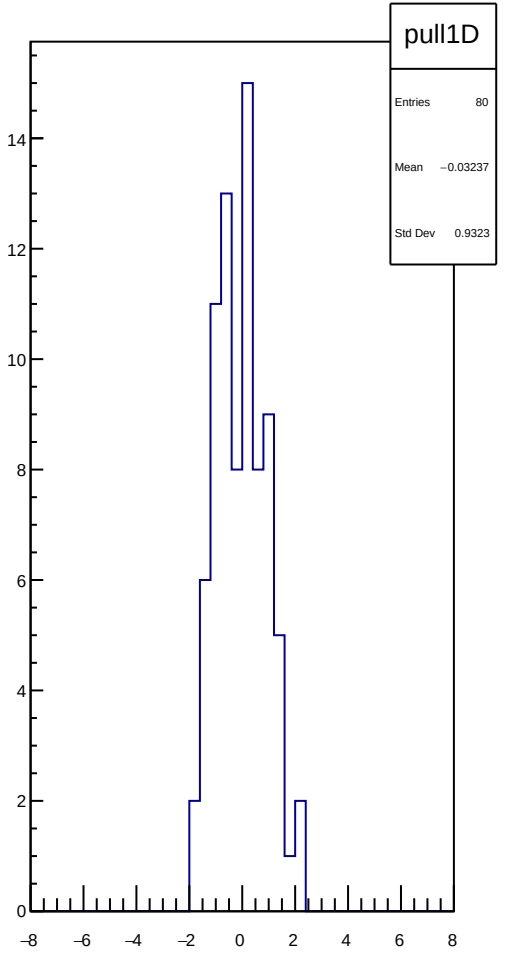

asym_usr_correction_rms vs run
χ² / ndf 2845 / 79
p0 2954 ± 2.368
3300
3200
3100
3000
2900
2800
2700

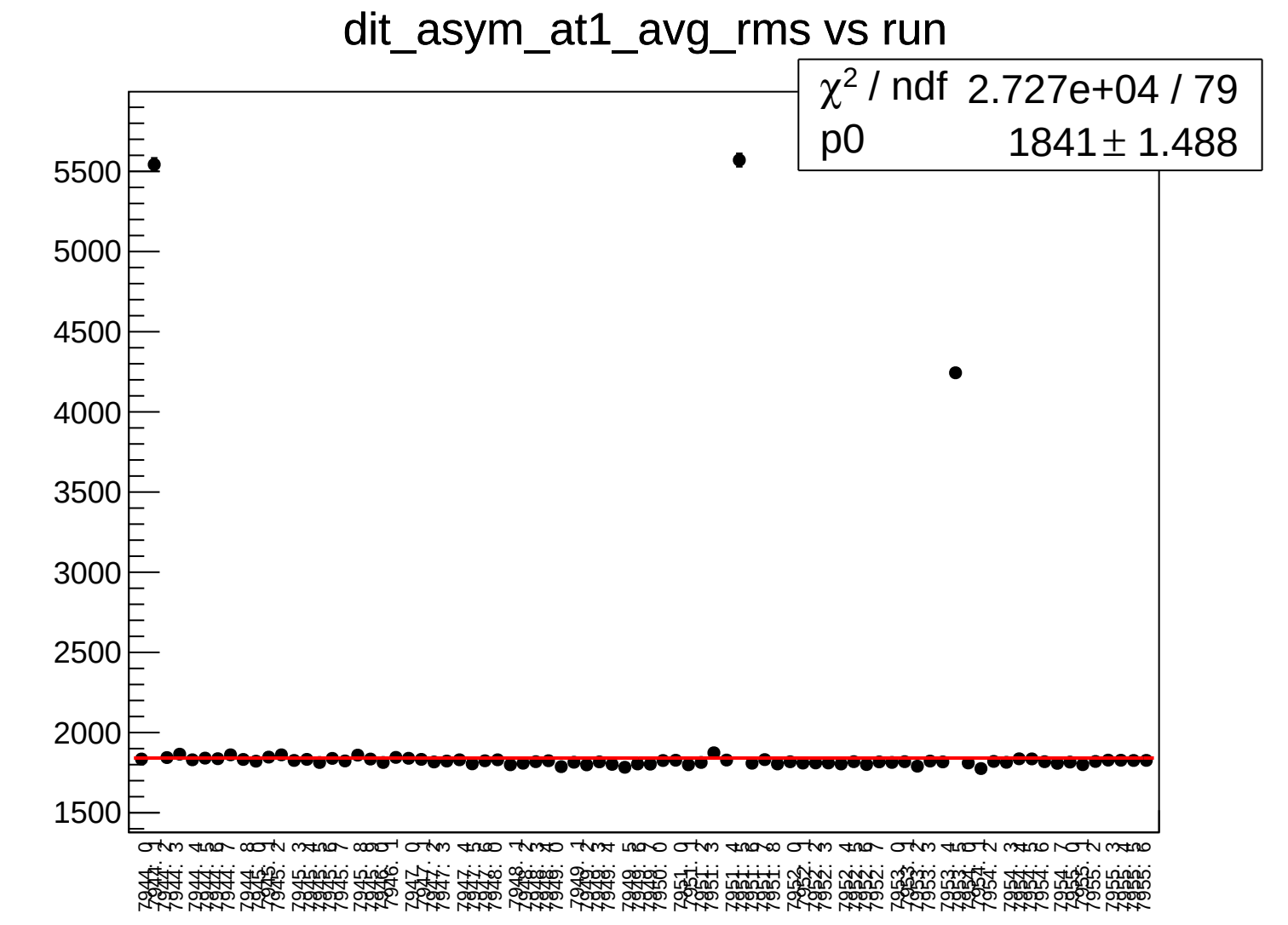

asym_usr_mean vs run
×10^3
χ² / ndf 83.85 / 79
p0 1196 ± 3576
100
50
0
−50
−100
−150
pull
Entries 80
Mean −171.6
Std Dev 209.5
2
1
0
−1
−2
−3

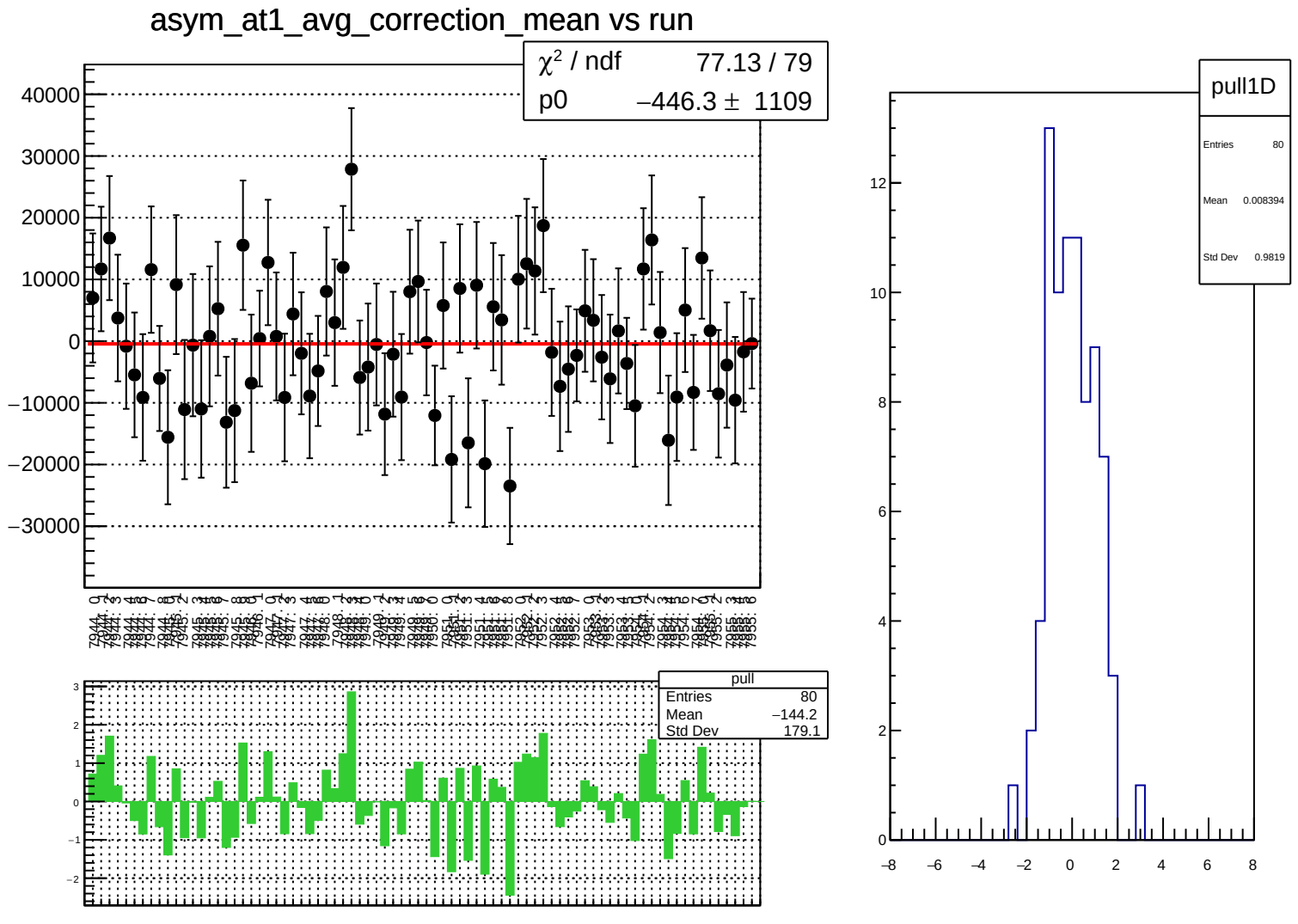

pull1D
Entries 80
Mean −0.0202
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

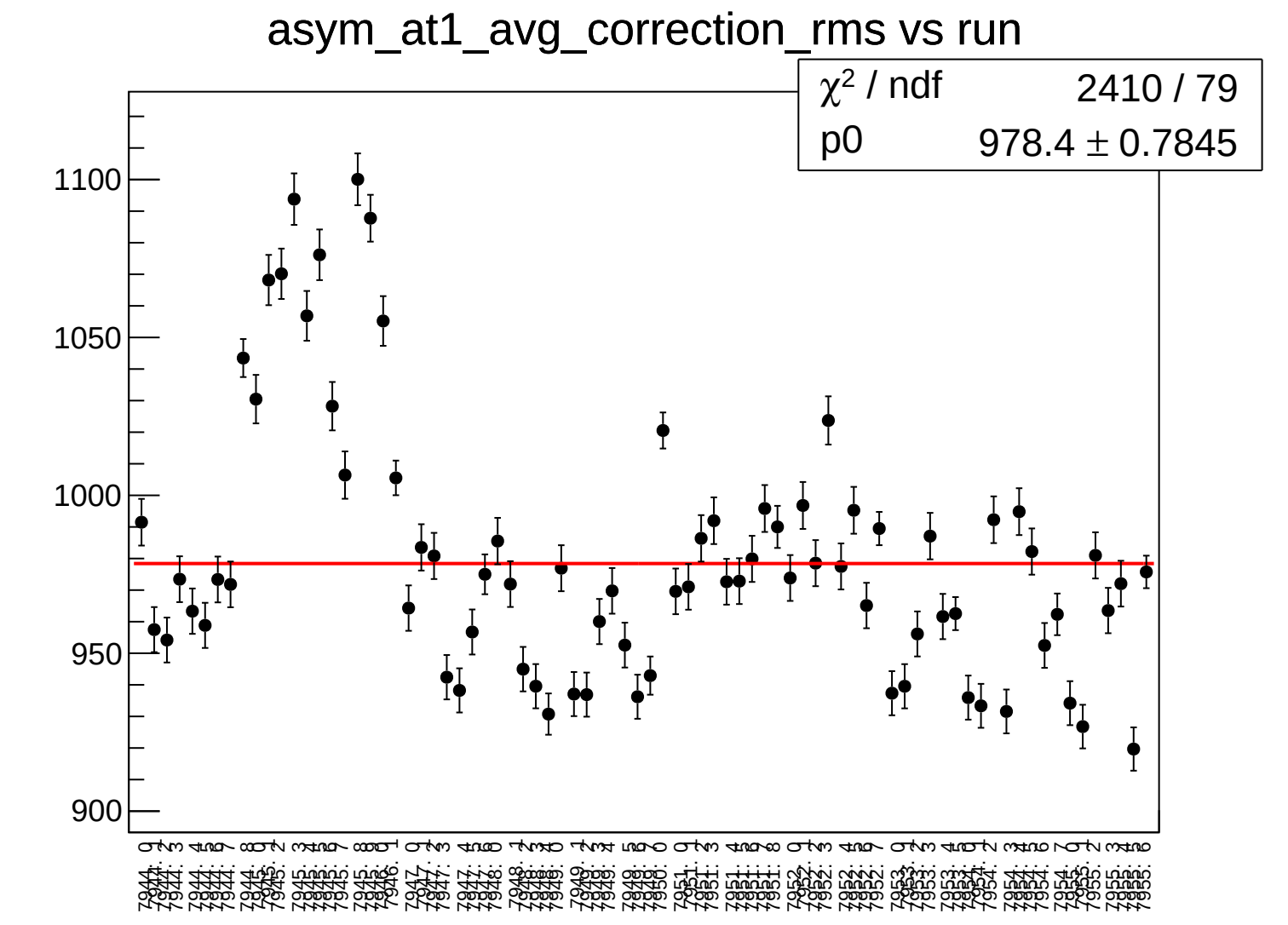

asym_usr_rms vs run
χ² / ndf 3376 / 79
p0 3152 ± 2.528
3600
3500
3400
3300
3200
3100
3000
2900

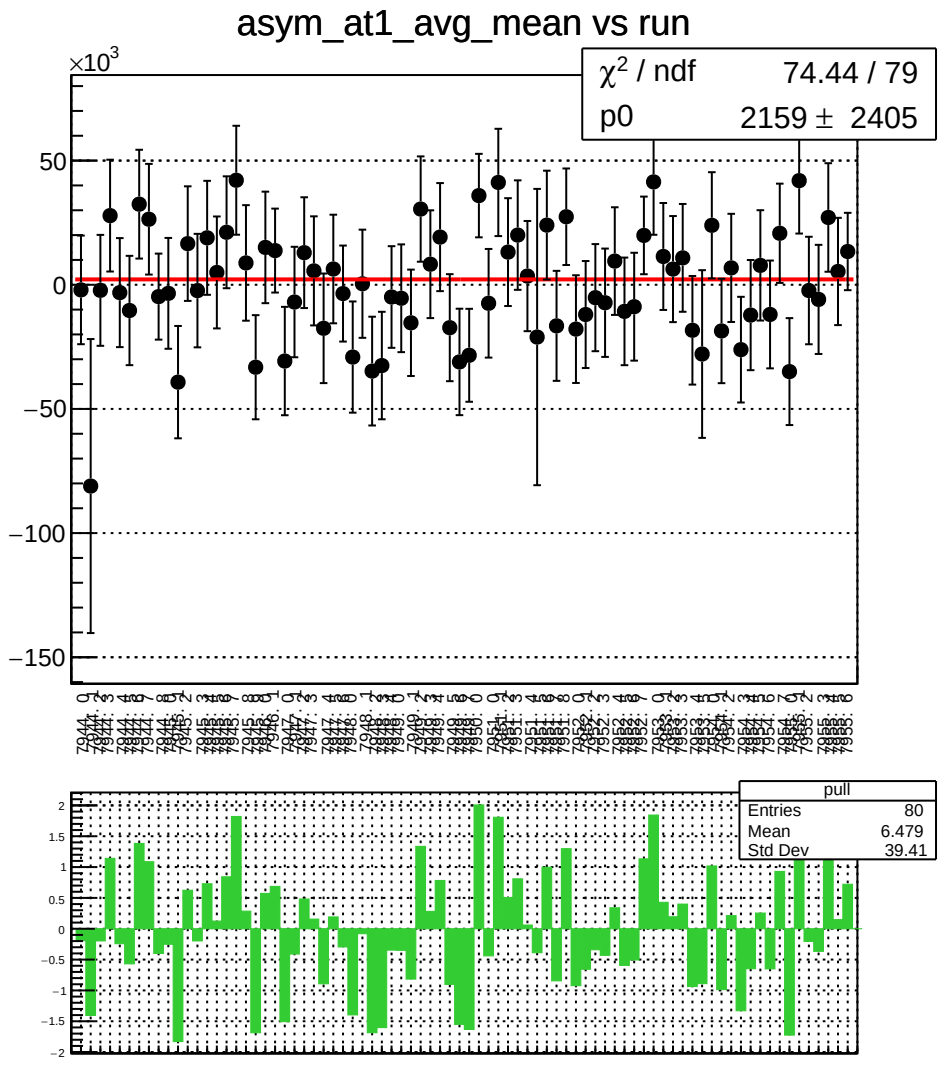

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 69.62 / 79
p0 1803 ± 2104
pull
Entries 80
Mean 16.71
Std Dev 32.82

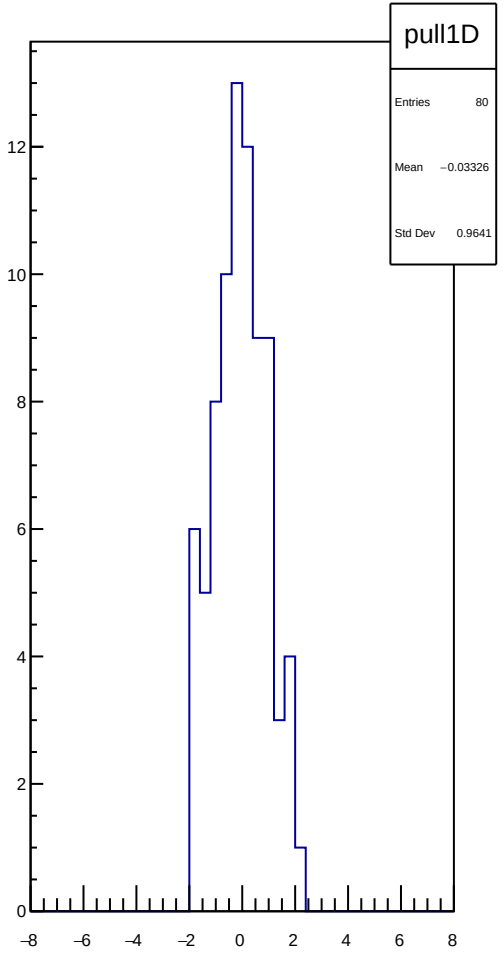

pull1D
Entries 80
Mean −0.03237
Std Dev 0.9323

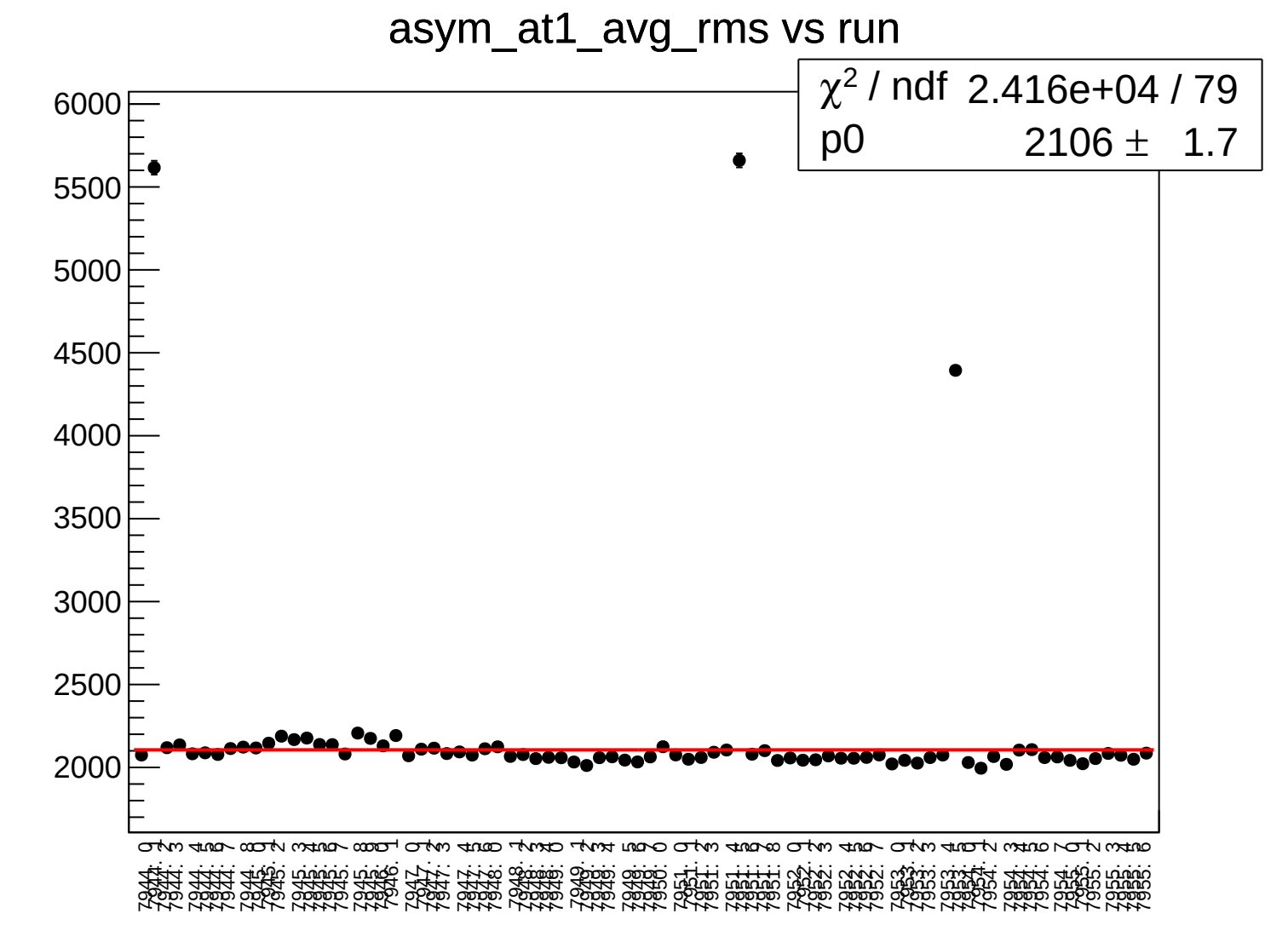

dit_asym_at1_avg_rms vs run
χ^2 / ndf 2.727e+04 / 79
p0 1841 ± 1.488
5500
5000
4500
4000
3500
3000
2500
2000
1500

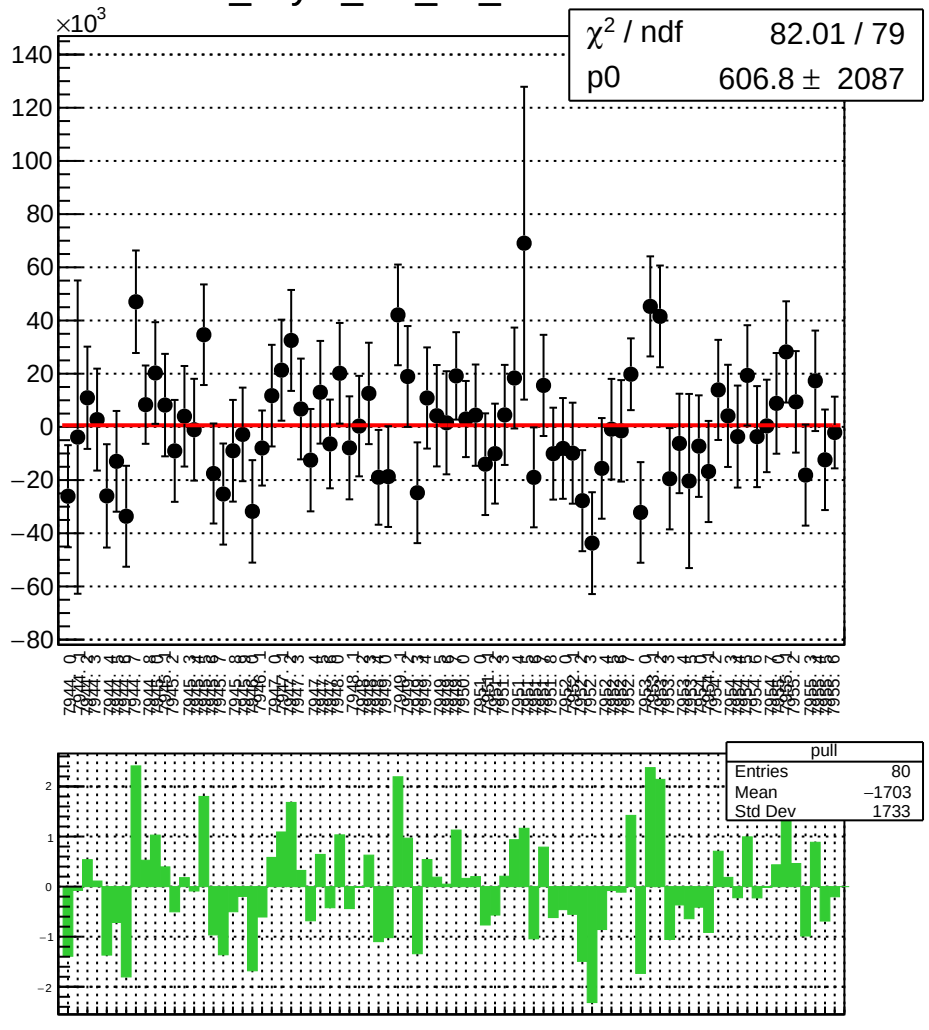

asym_at1_avg_correction_mean vs run
χ² / ndf 77.13 / 79
p0 −446.3 ± 1109
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −144.2
Std Dev 179.1
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.008394
Std Dev 0.9819
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

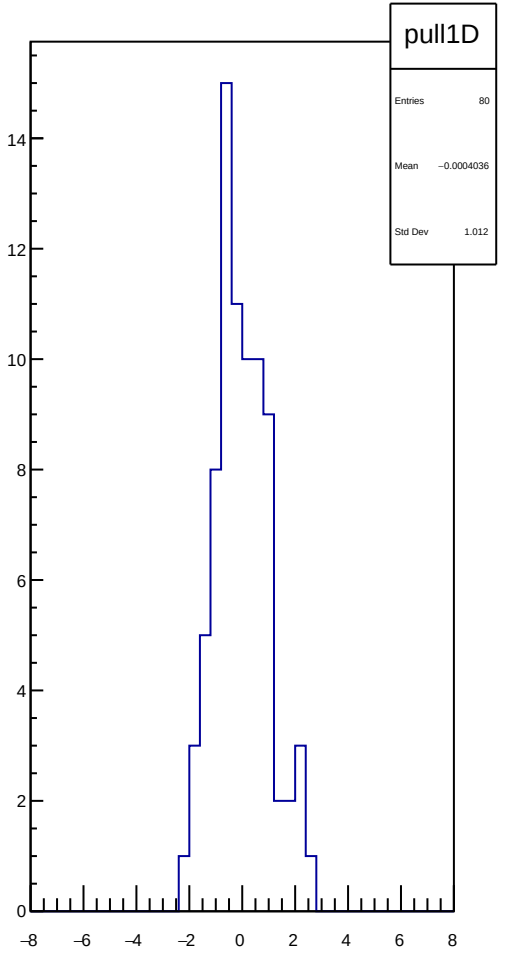

asym_at1_avg_correction_rms vs run
χ² / ndf 2410 / 79
p0 978.4 ± 0.7845
1100
1050
1000
950
900

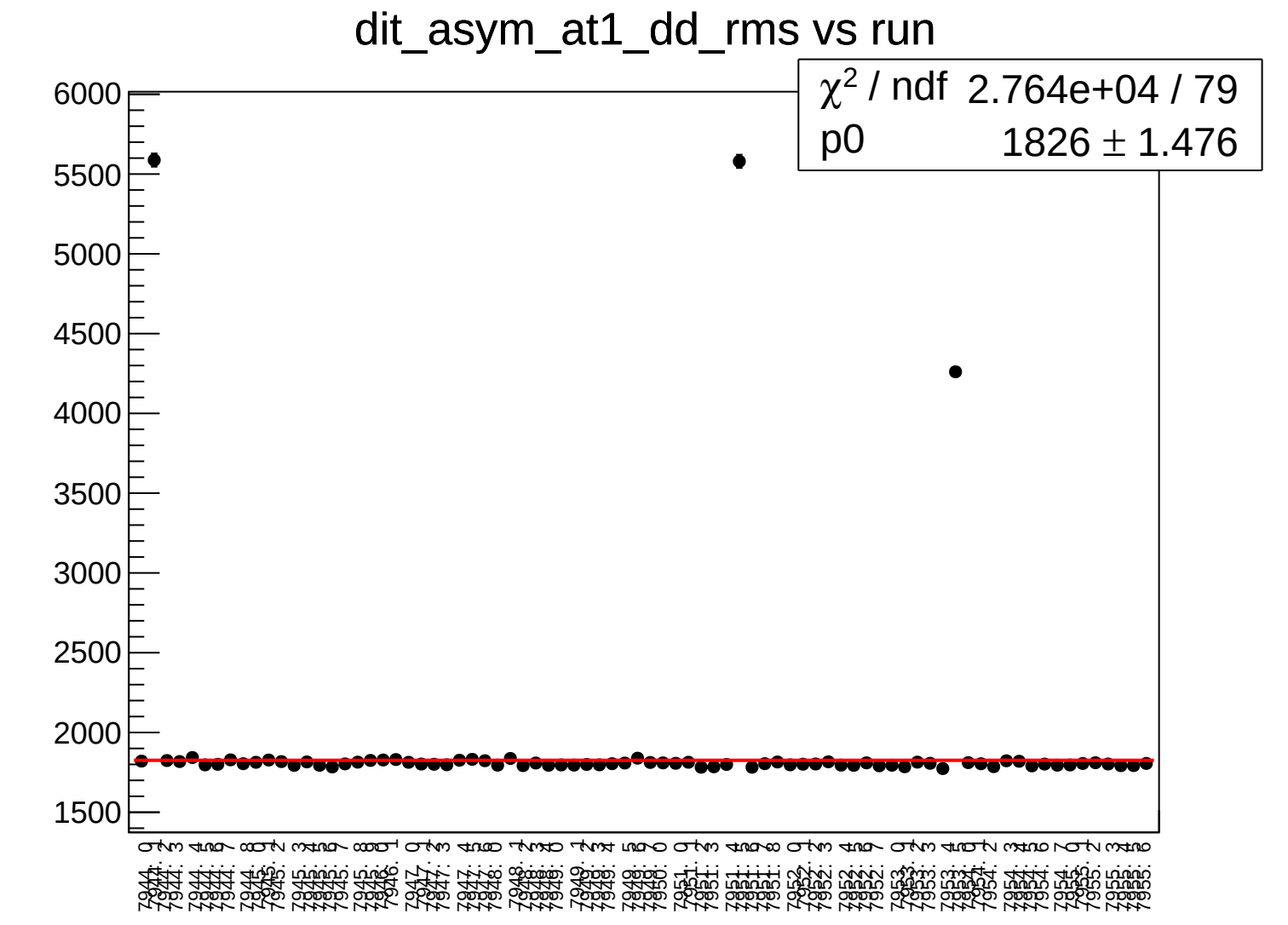

asym_at1_avg_mean vs run
×10^3
χ² / ndf 74.44 / 79
p0 2159 ± 2405
50
0
−50
−100
−150
pull
Entries 80
Mean 6.479
Std Dev 39.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

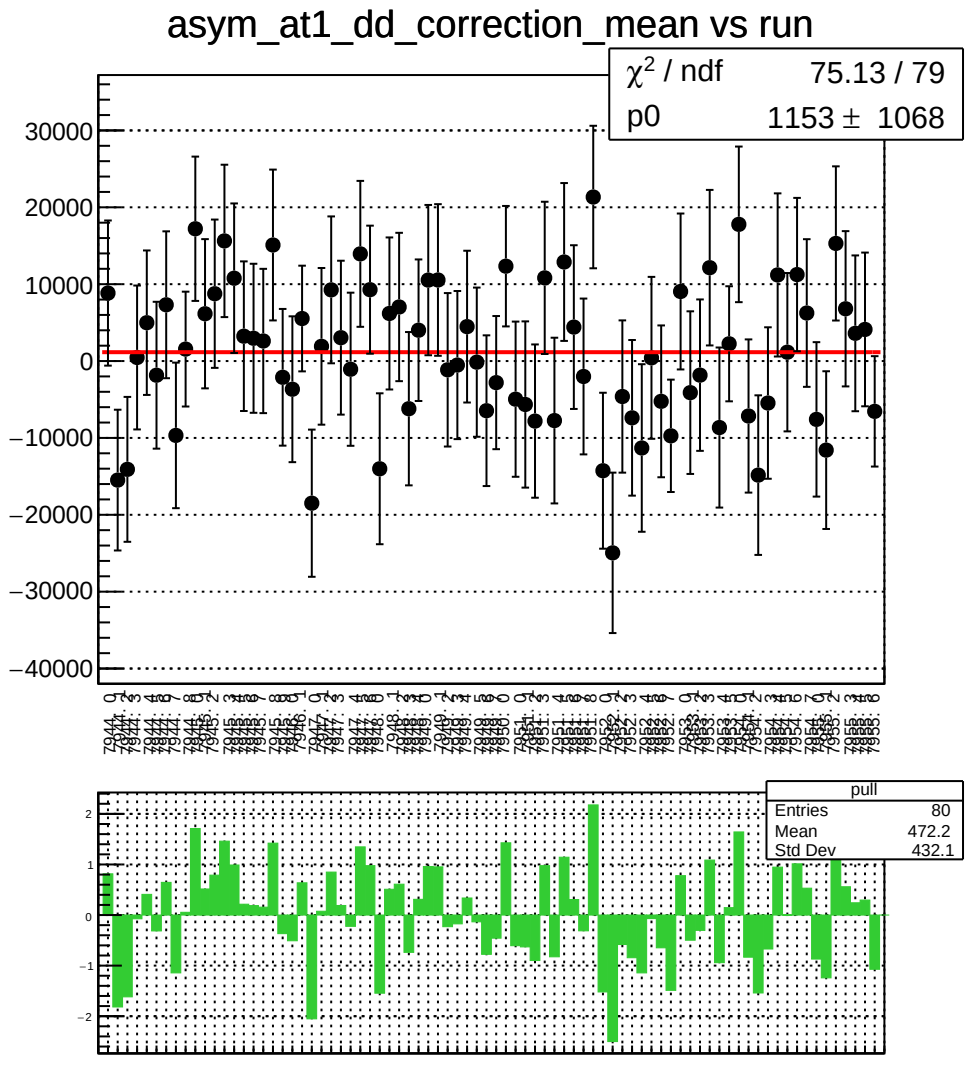

pull1D
Entries 80
Mean −0.03326
Std Dev 0.9641
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

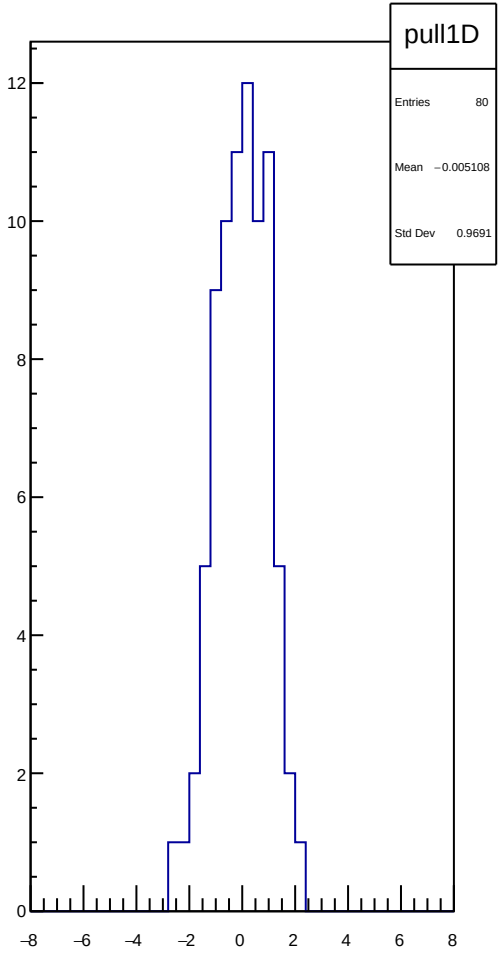

asym_at1_avg_rms vs run
χ^2 / ndf 2.416e+04 / 79
p0 2106 ± 1.7
6000
5500
5000
4500
4000
3500
3000
2500
2000

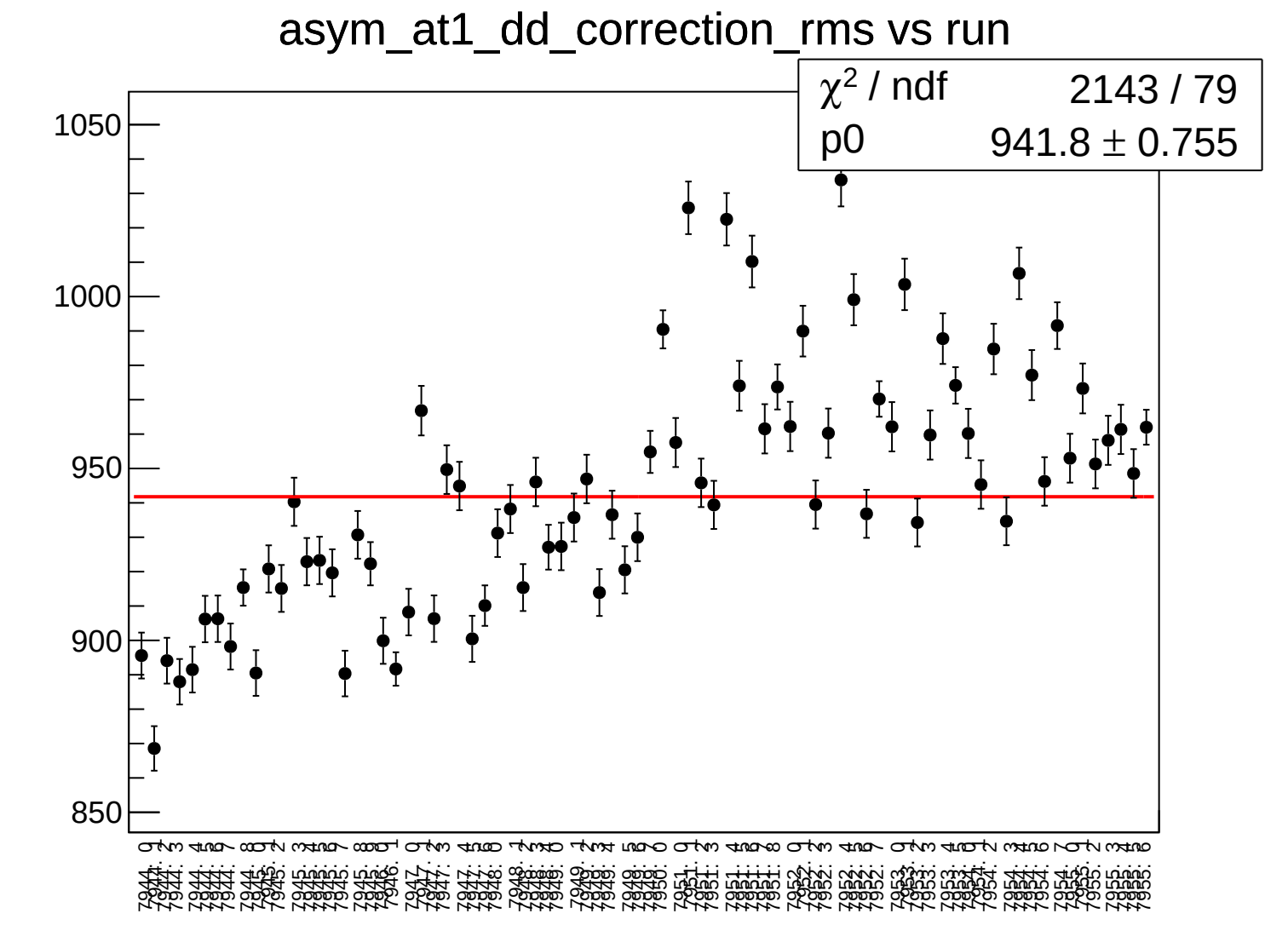

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 82.01 / 79
p0 606.8 ± 2087
pull
Entries 80
Mean −1703
Std Dev 1733

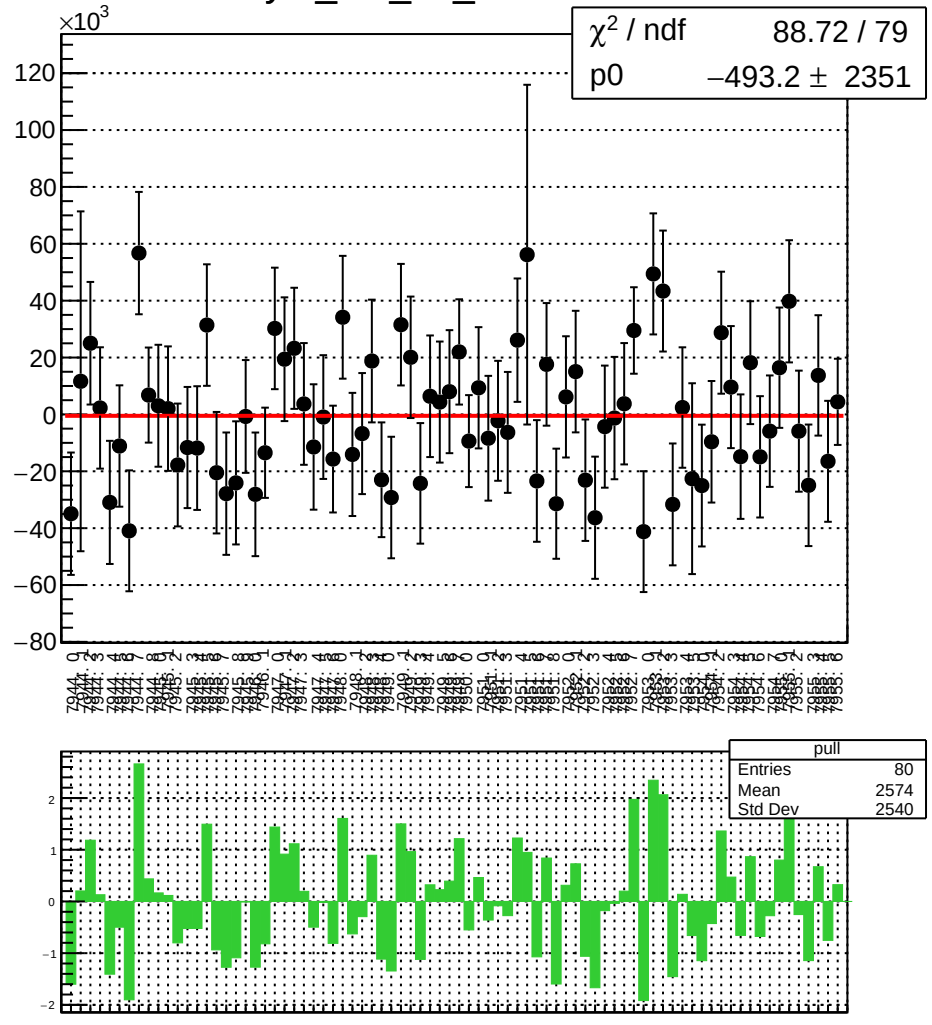

pull1D
Entries 80
Mean −0.0004036
Std Dev 1.012

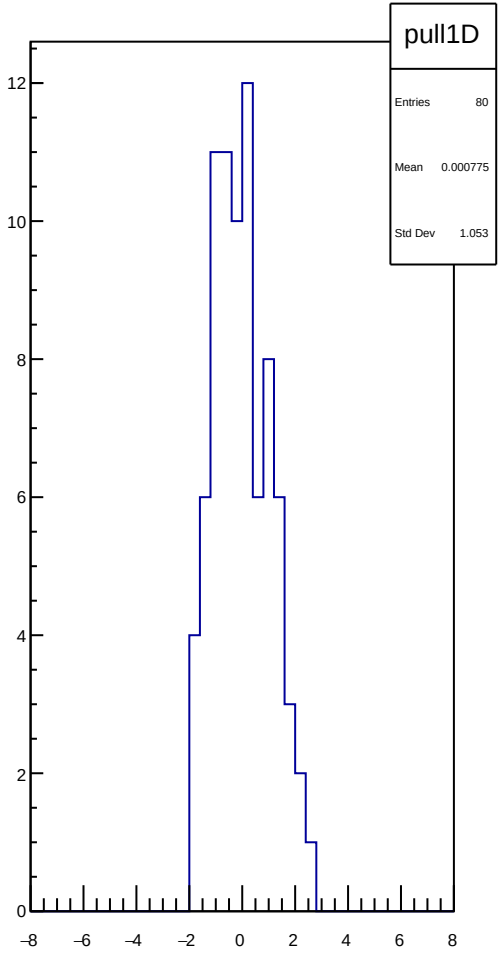

dit_asym_at1_dd_rms vs run
χ² / ndf 2.764e+04 / 79
p0 1826 ± 1.476
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

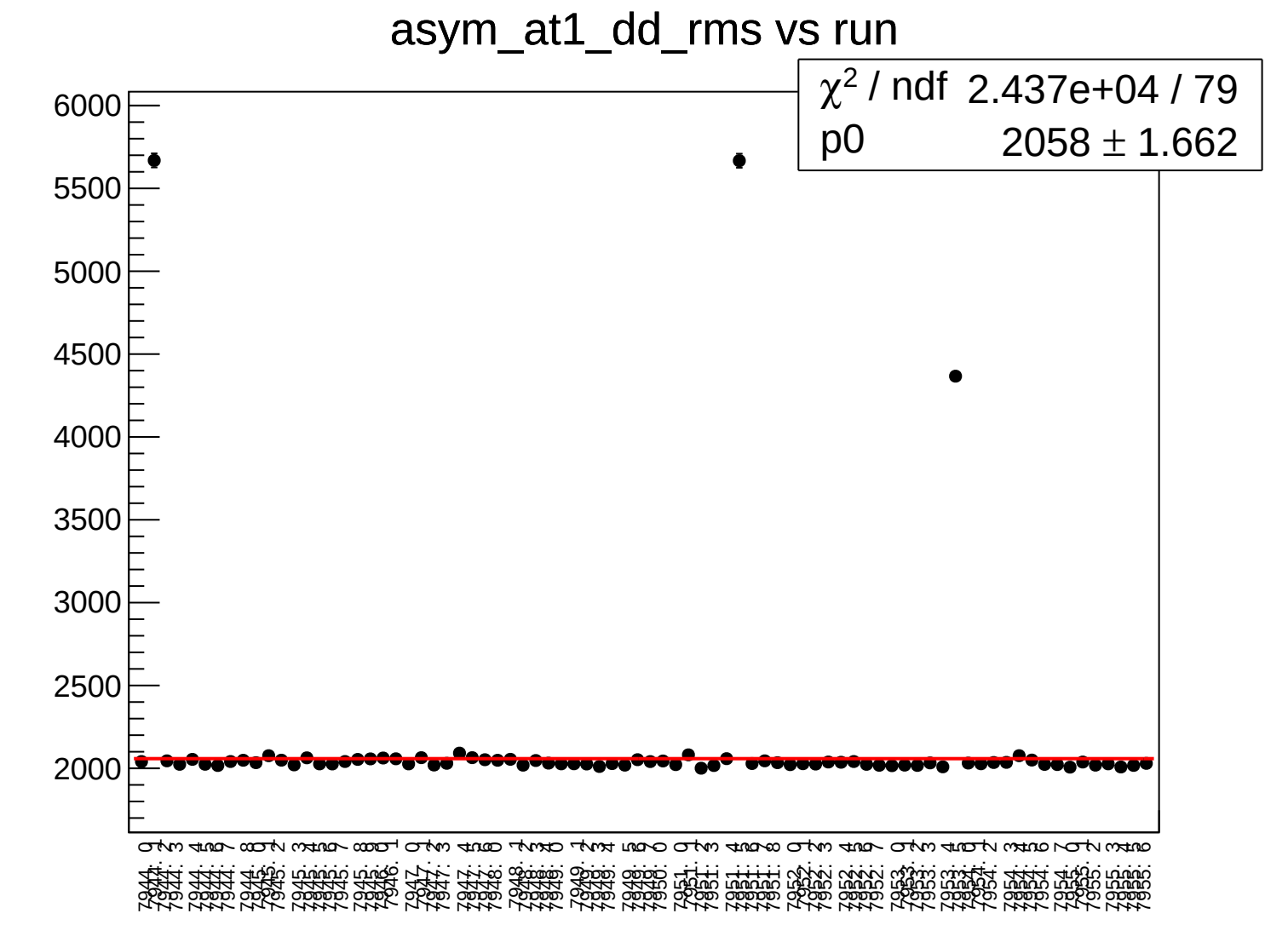

asym_at1_dd_correction_mean vs run
χ² / ndf 75.13 / 79
p0 1153 ± 1068
pull
Entries 80
Mean 472.2
Std Dev 432.1

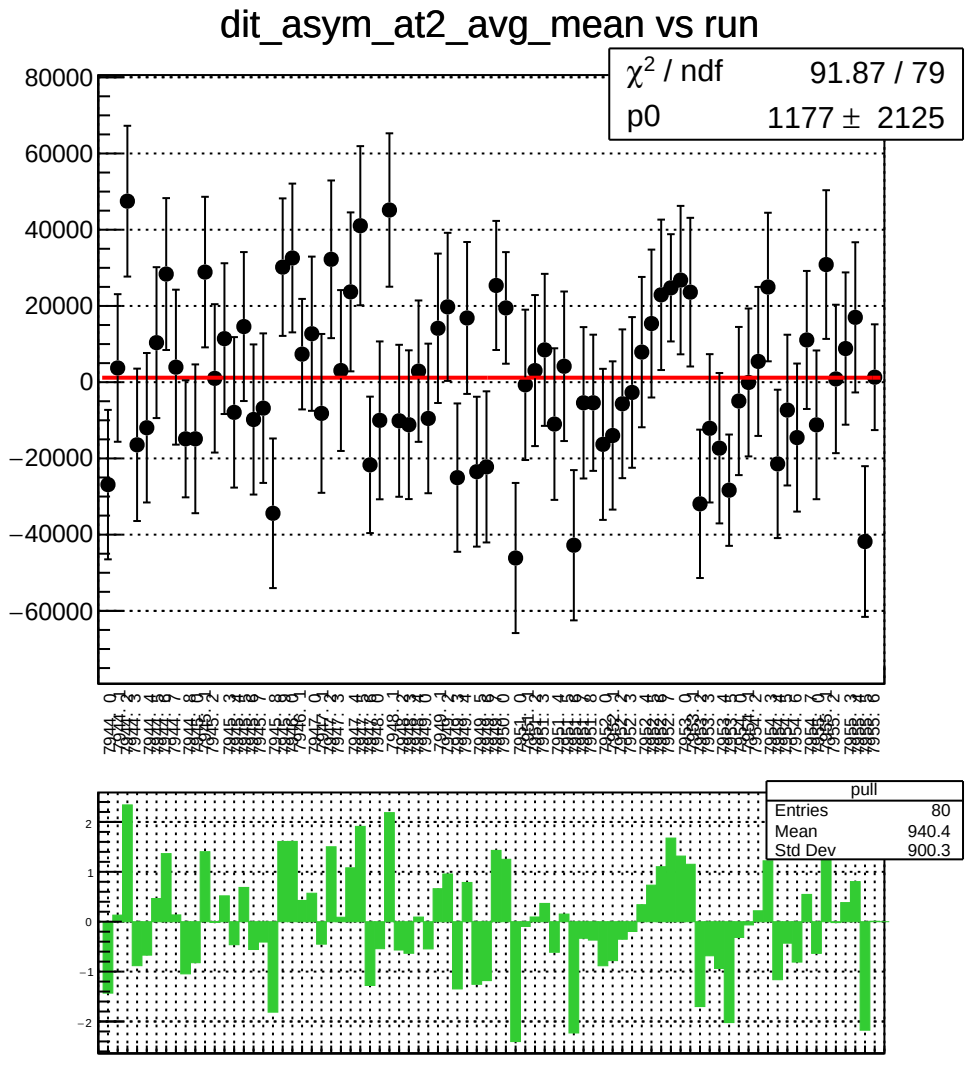

pull1D
Entries 80
Mean −0.005108
Std Dev 0.9691

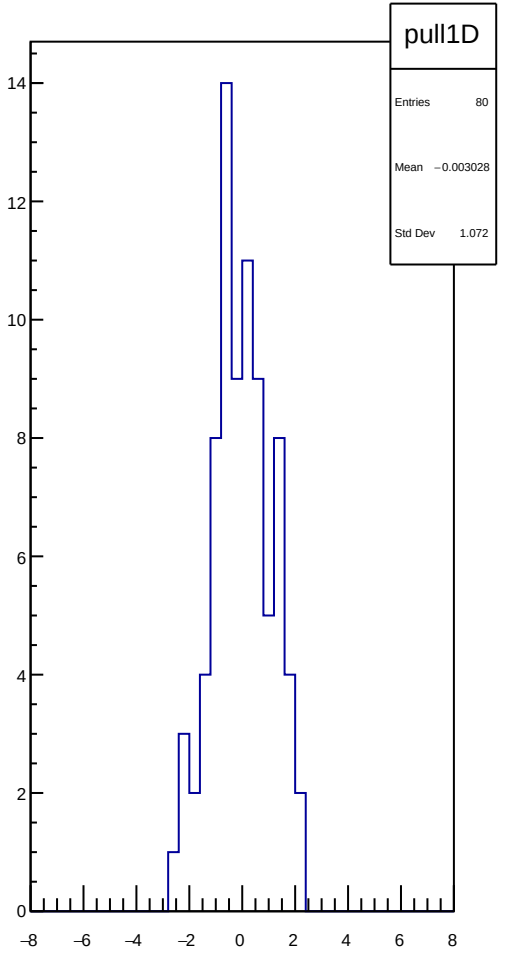

asym_at1_dd_correction_rms vs run
χ² / ndf 2143 / 79
p0 941.8 ± 0.755
1050
1000
950
900
850

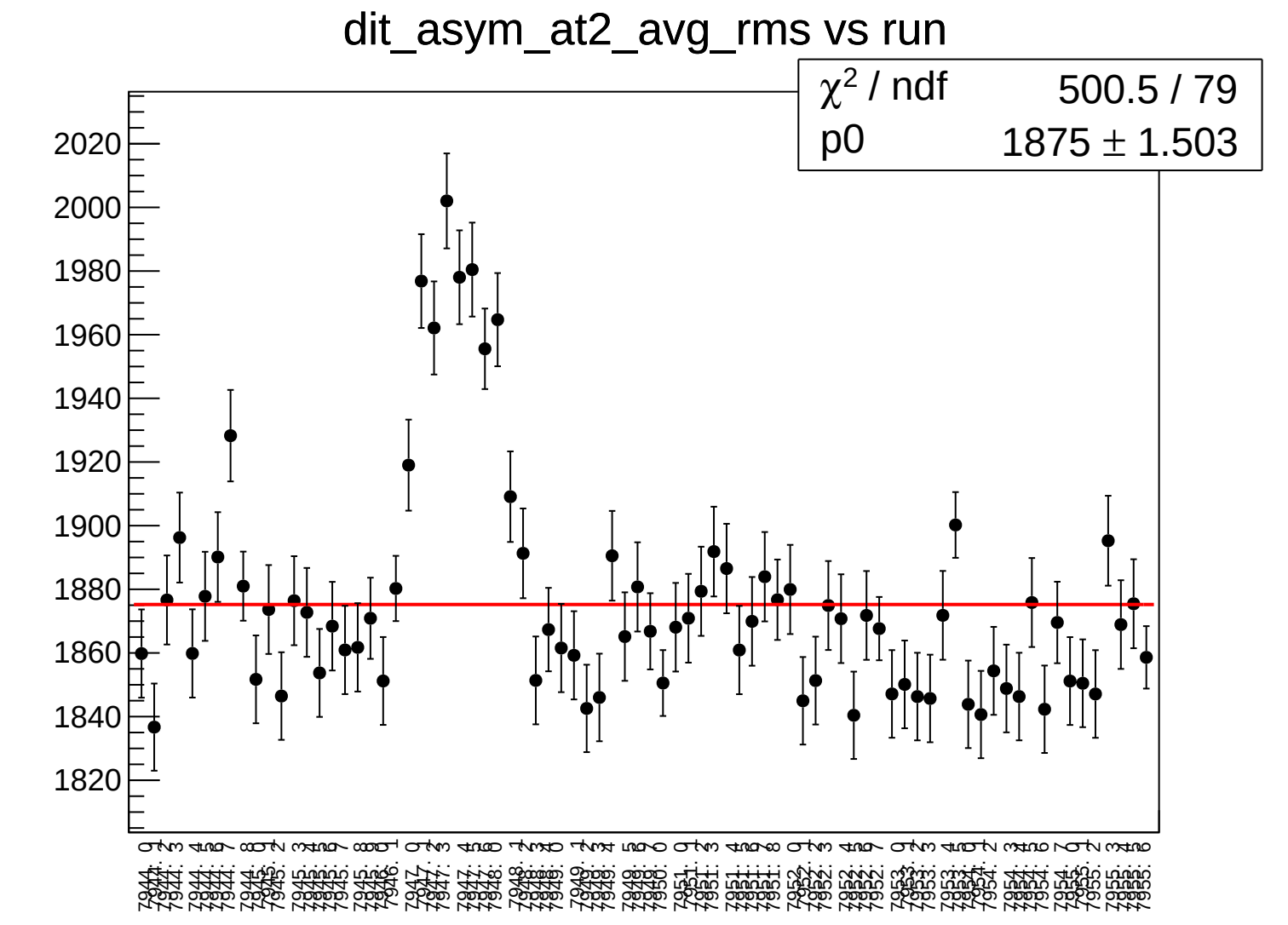

asym_at1_dd_mean vs run
χ^2 / ndf 88.72 / 79
p0 −493.2 ± 2351
×10^3
pull
Entries 80
Mean 2574
Std Dev 2540

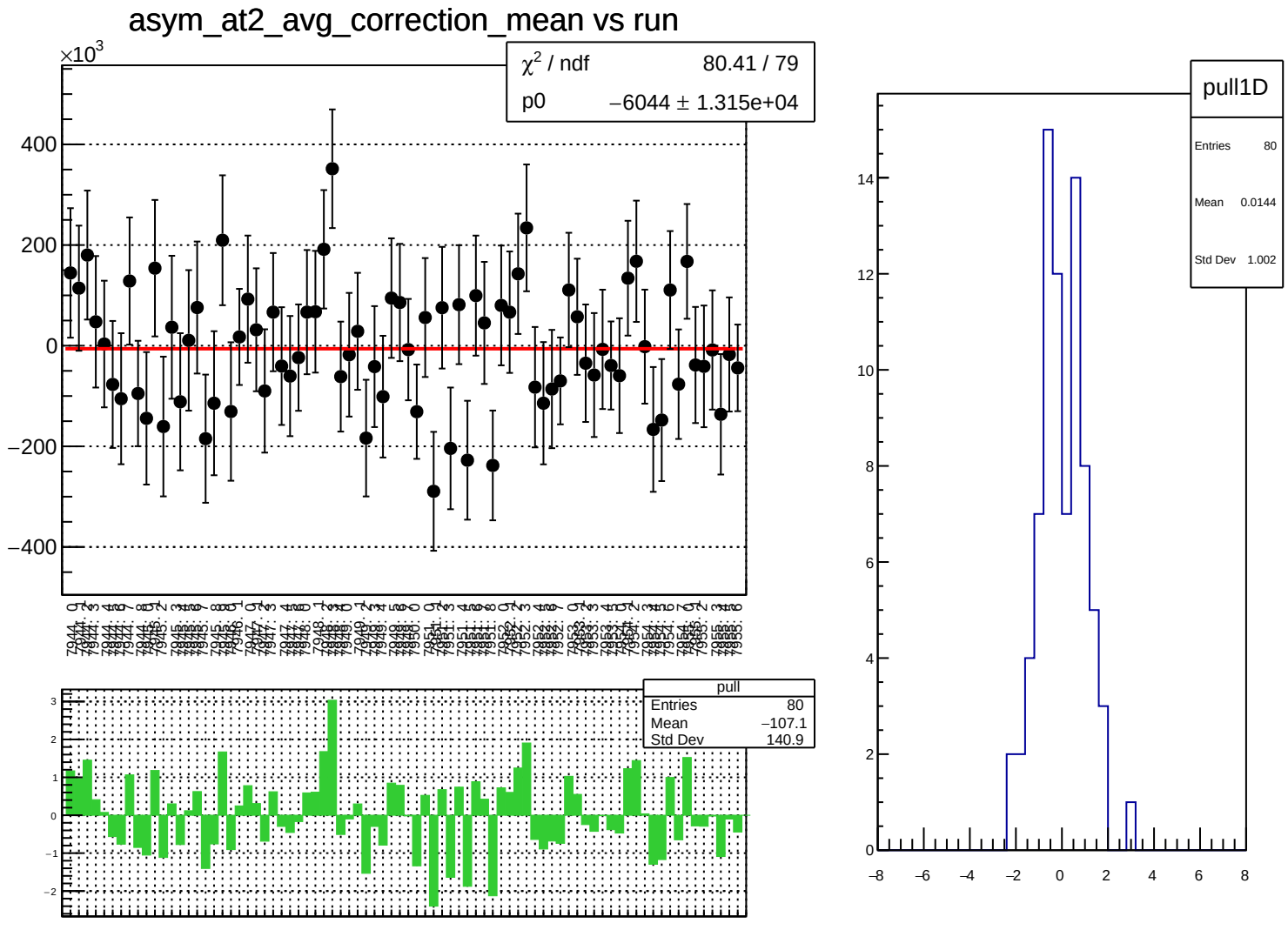

pull1D
Entries 80
Mean 0.000775
Std Dev 1.053

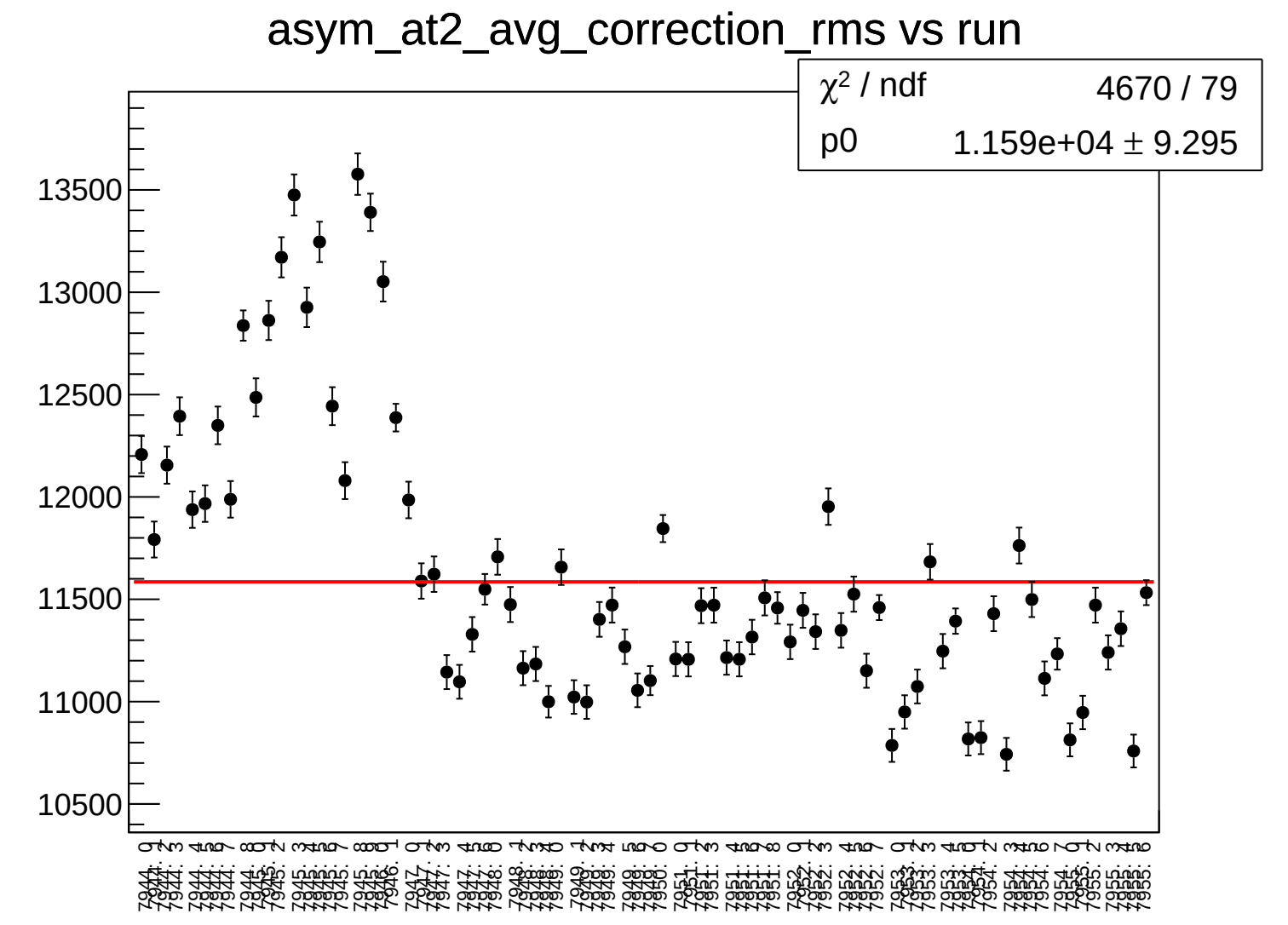

asym_at1_dd_rms vs run
χ² / ndf 2.437e+04 / 79
p0 2058 ± 1.662
6000
5500
5000
4500
4000
3500
3000
2500
2000

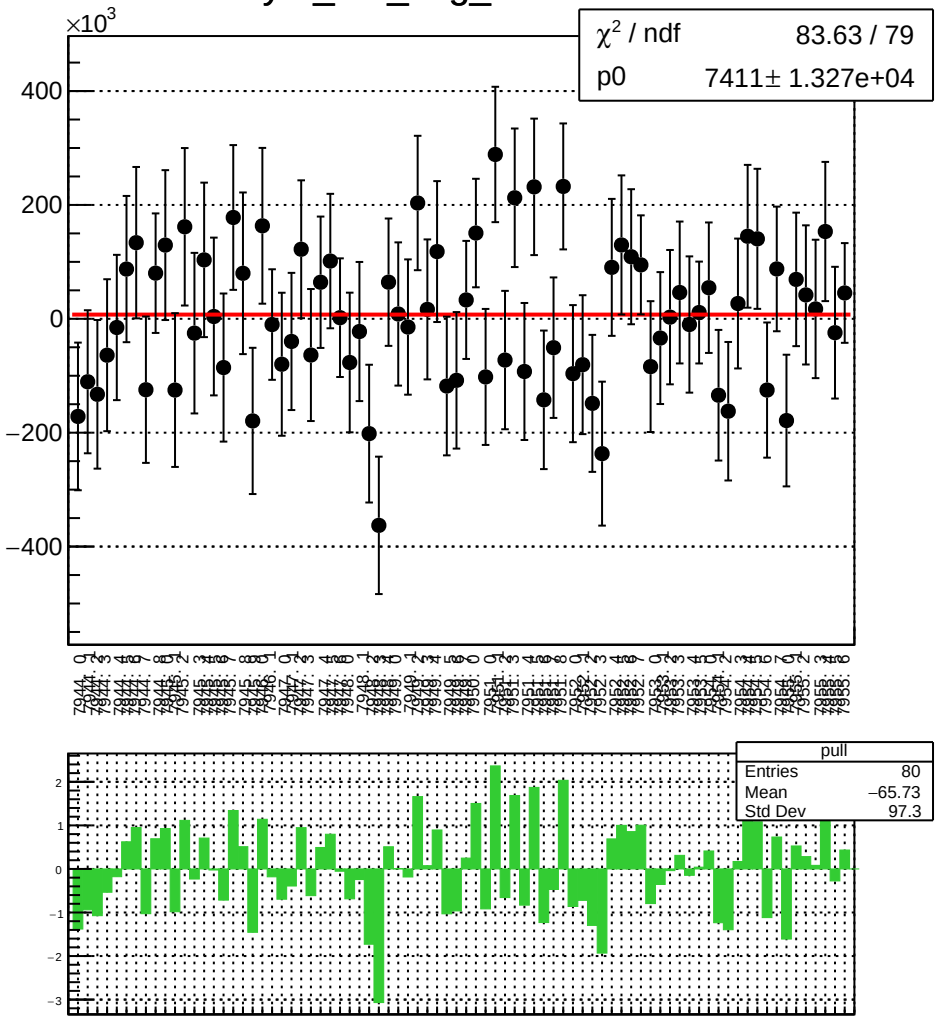

dit_asym_at2_avg_mean vs run
χ² / ndf 91.87 / 79
p0 1177 ± 2125
pull
Entries 80
Mean 940.4
Std Dev 900.3

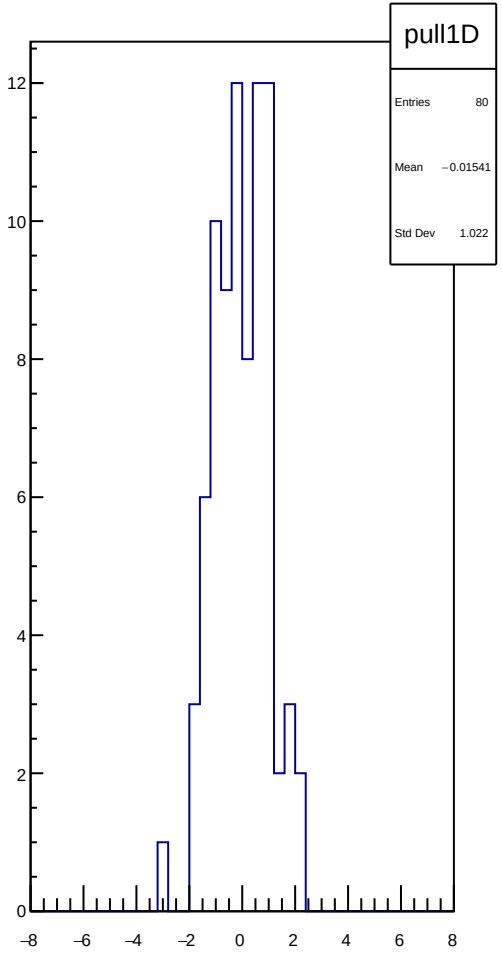

pull1D
Entries 80
Mean −0.003028
Std Dev 1.072

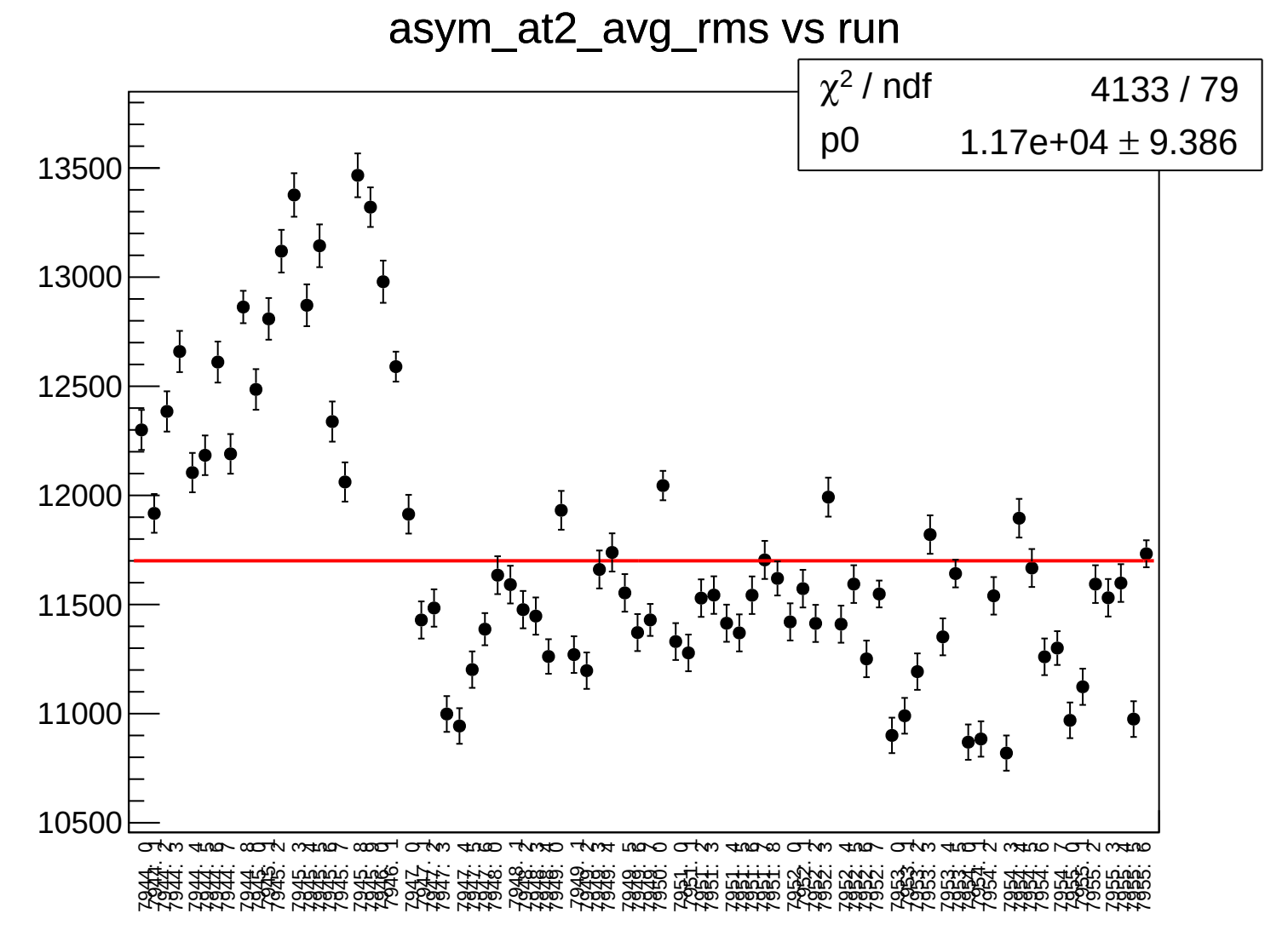

dit_asym_at2_avg_rms vs run
χ^2 / ndf 500.5 / 79
p0 1875 ± 1.503
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

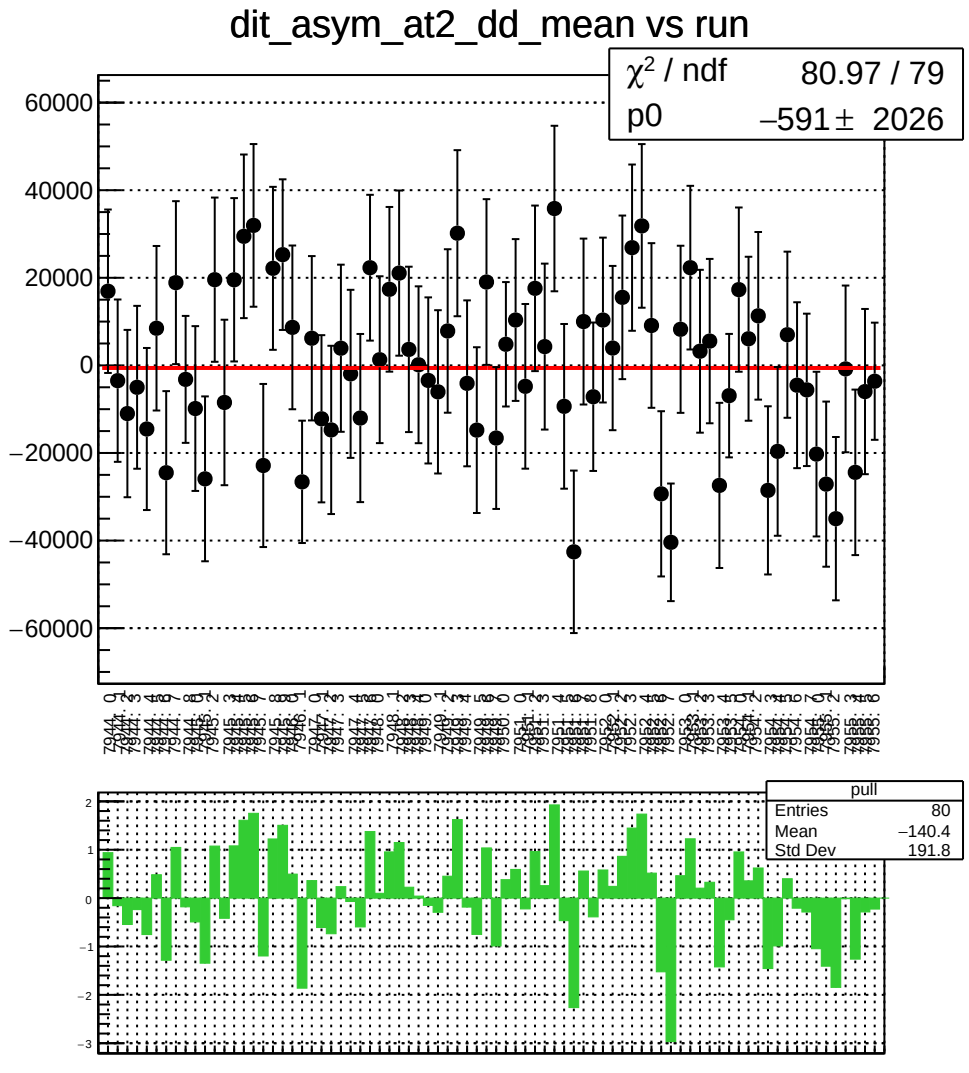

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 80.41 / 79
p0 −6044 ± 1.315e+04
400
200
0
−200
−400
pull
Entries 80
Mean −107.1
Std Dev 140.9
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.0144
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

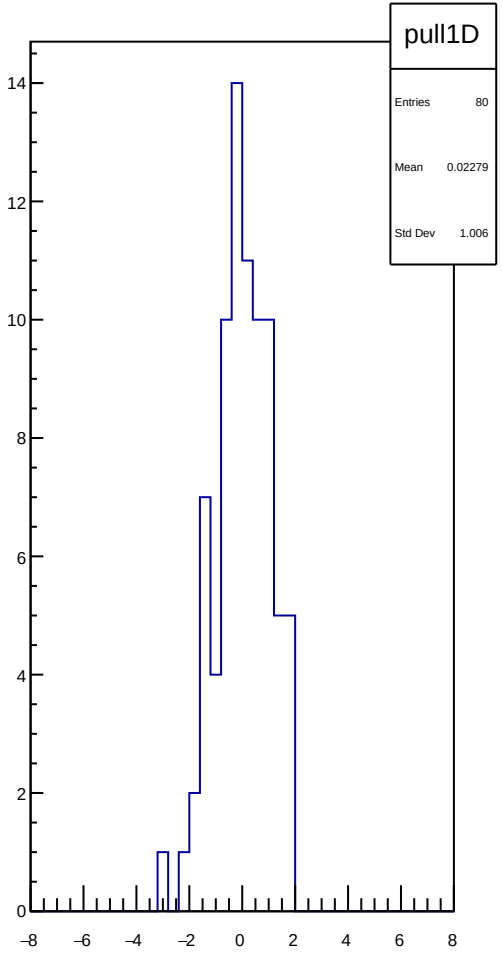

asym_at2_avg_correction_rms vs run
χ² / ndf 4670 / 79
p0 1.159e+04 ± 9.295
13500
13000
12500
12000
11500
11000
10500

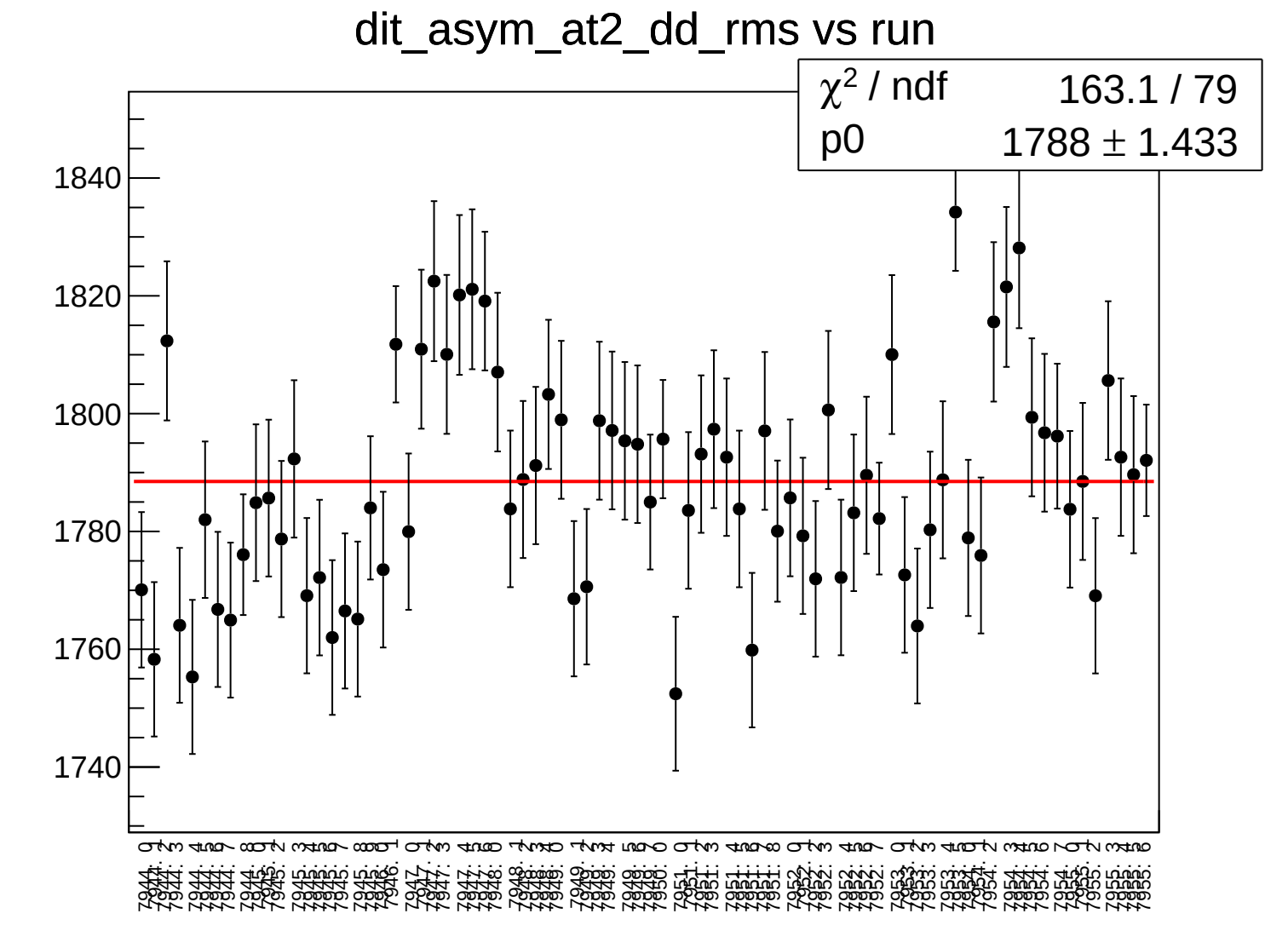

asym_at2_avg_mean vs run
×10^3
χ² / ndf 83.63 / 79
p0 7411± 1.327e+04
400
200
0
−200
−400
pull
Entries 80
Mean −65.73
Std Dev 97.3
2
1
0
−1
−2
−3

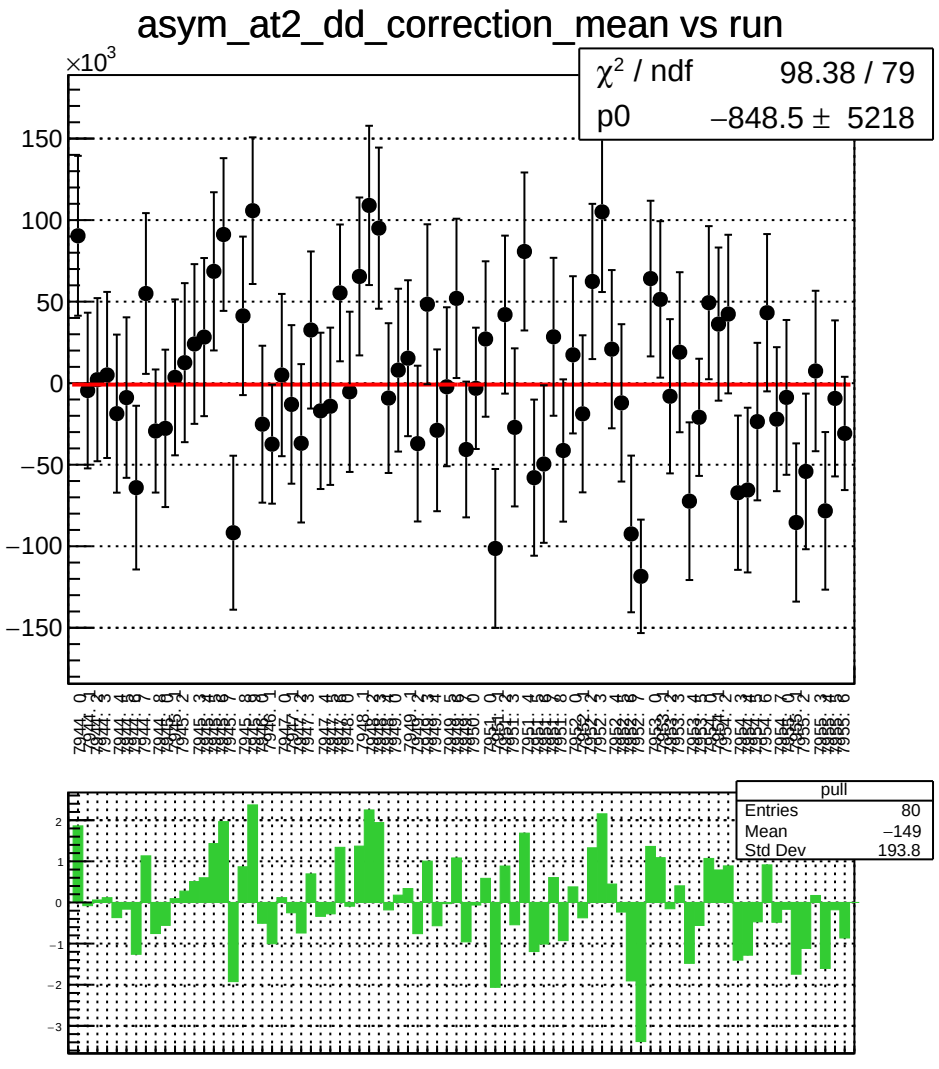

pull1D
Entries 80
Mean −0.01541
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

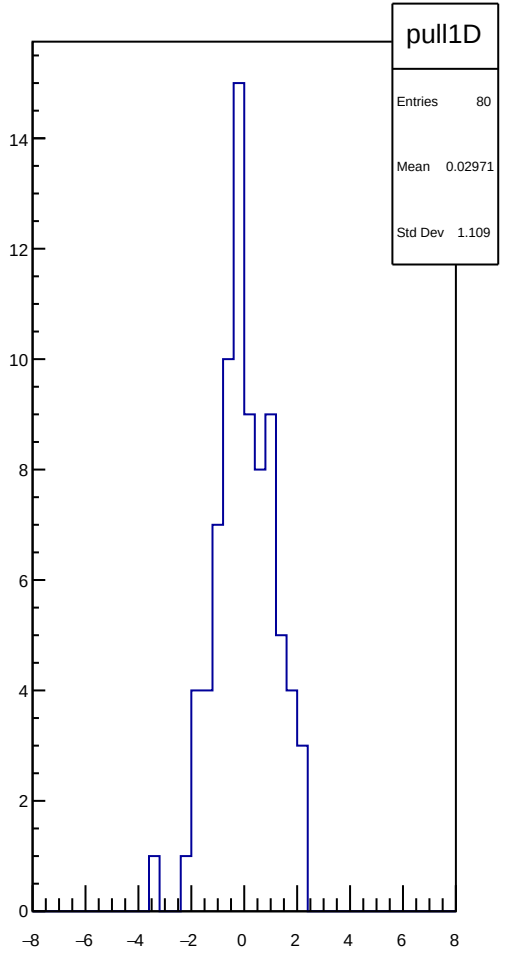

asym_at2_avg_rms vs run
χ² / ndf 4133 / 79
p0 1.17e+04 ± 9.386
13500
13000
12500
12000
11500
11000
10500

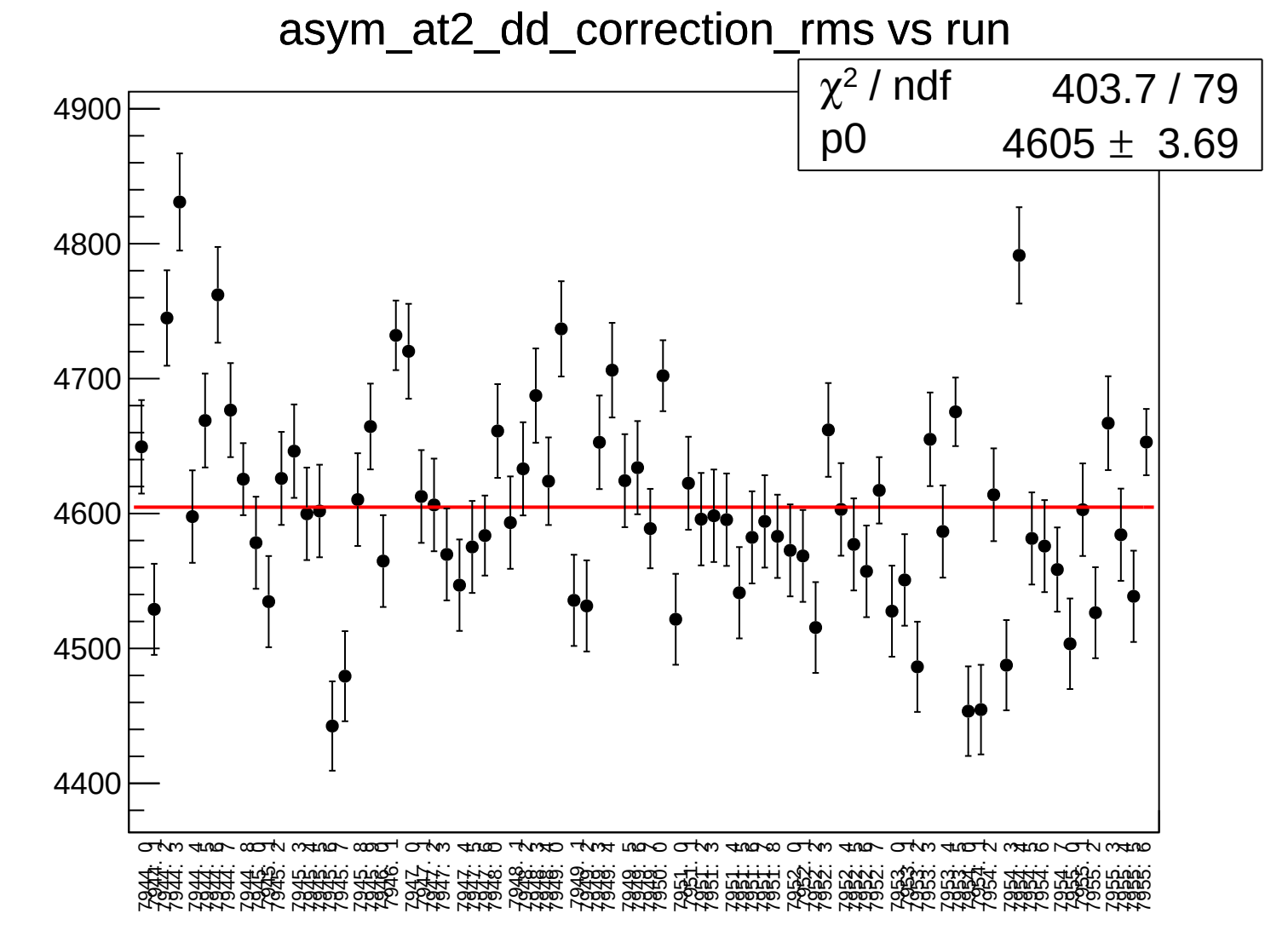

dit_asym_at2_dd_mean vs run
χ² / ndf 80.97 / 79
p0 −591 ± 2026
pull
Entries 80
Mean −140.4
Std Dev 191.8

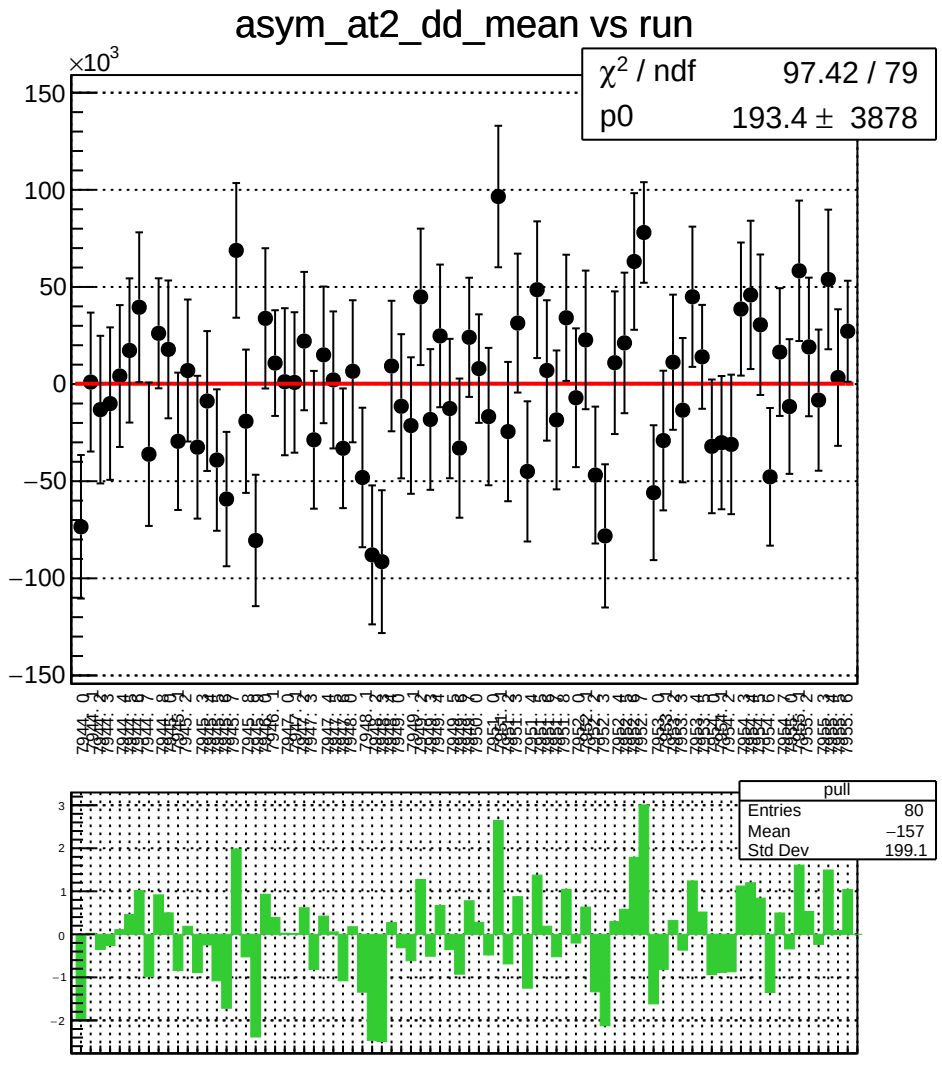

pull1D
Entries 80
Mean 0.02279
Std Dev 1.006

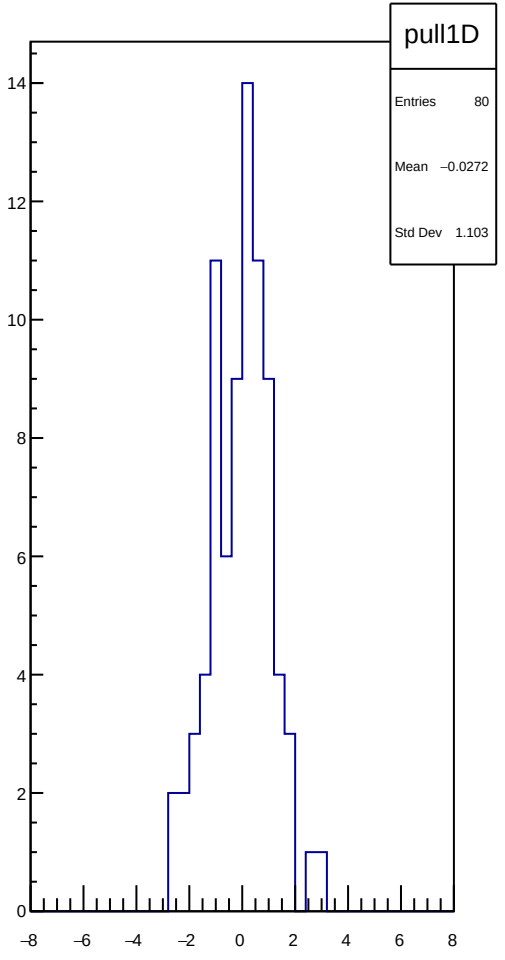

dit_asym_at2_dd_rms vs run
χ² / ndf 163.1 / 79
p0 1788 ± 1.433
1840
1820
1800
1780
1760
1740

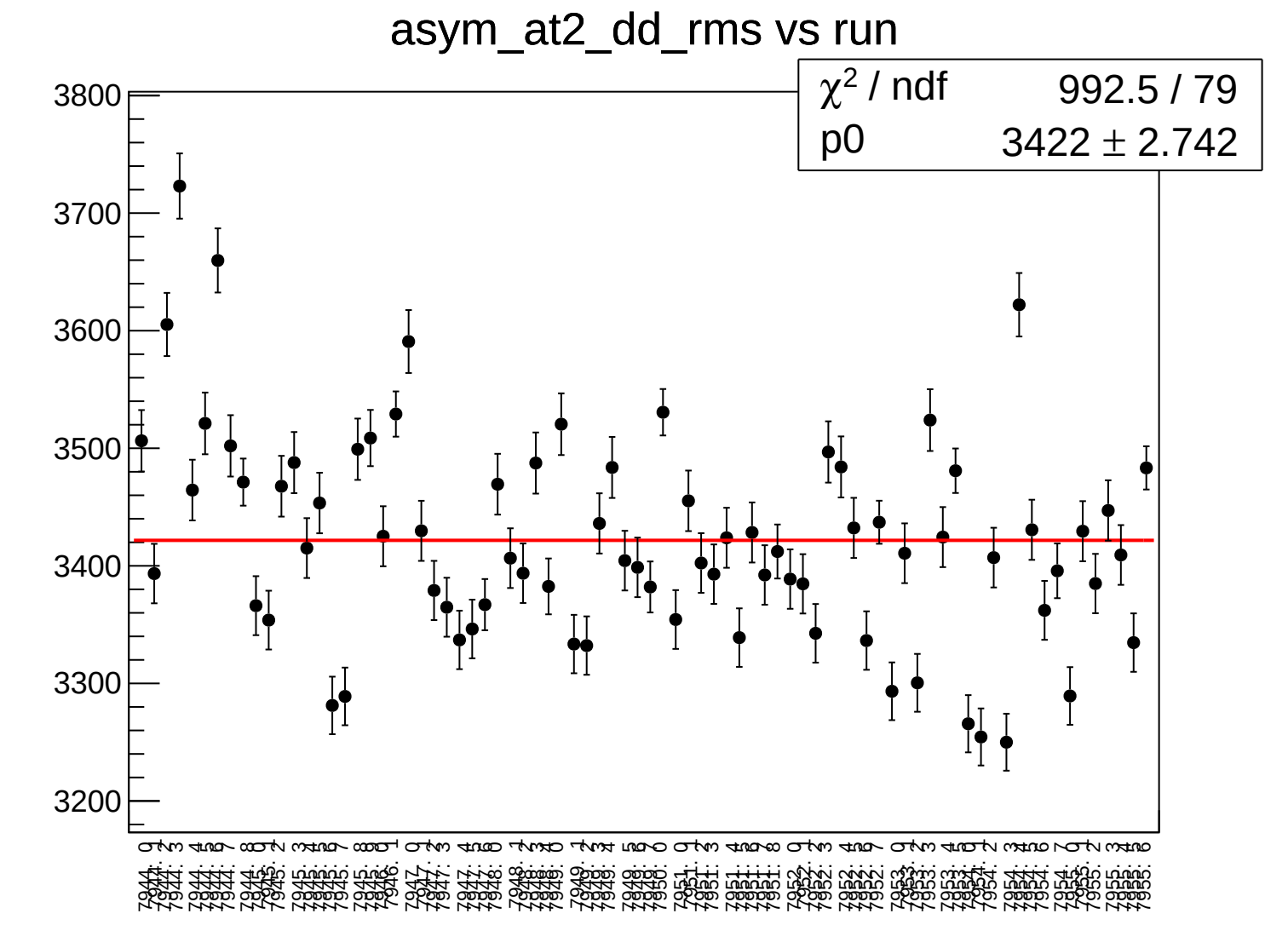

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 98.38 / 79
p0 −848.5 ± 5218
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −149
Std Dev 193.8
2
1
0
−1
−2
−3

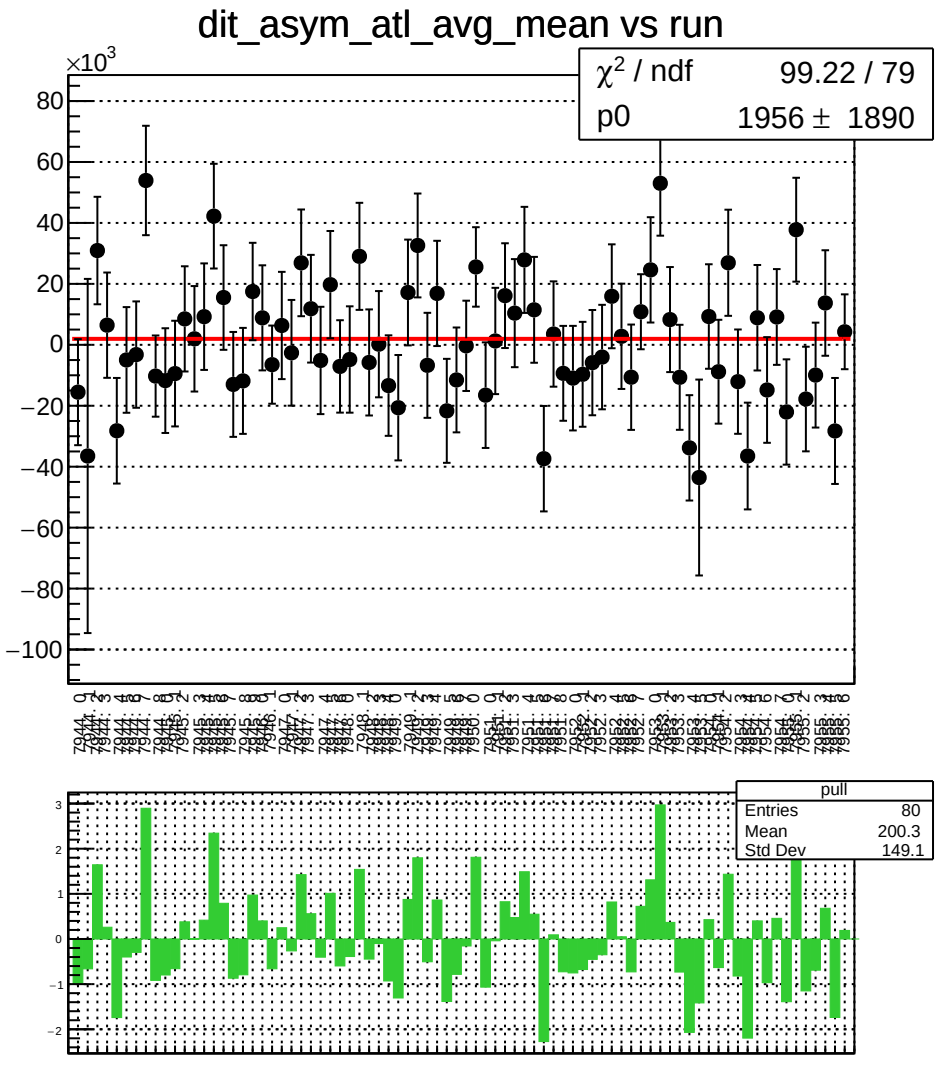

pull1D
Entries 80
Mean 0.02971
Std Dev 1.109
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

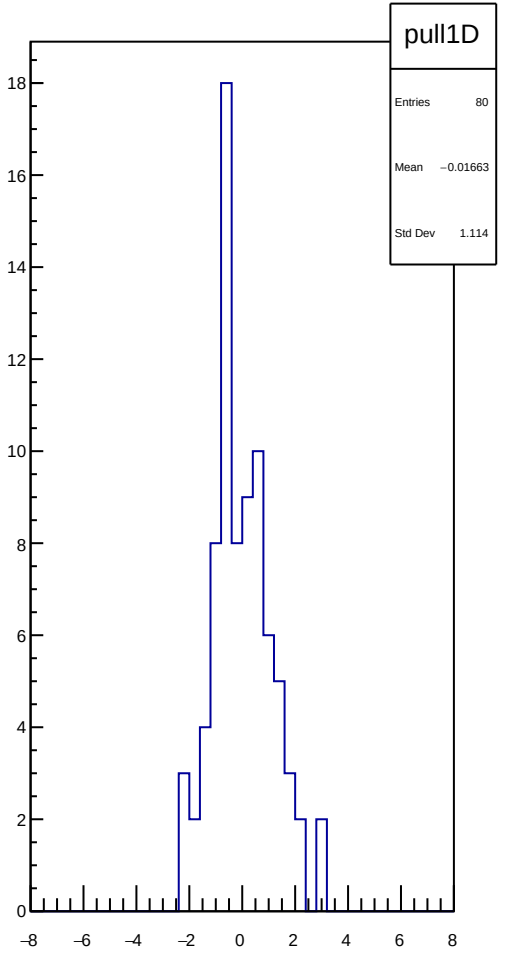

asym_at2_dd_correction_rms vs run
χ² / ndf 403.7 / 79
p0 4605 ± 3.69
4900
4800
4700
4600
4500
4400

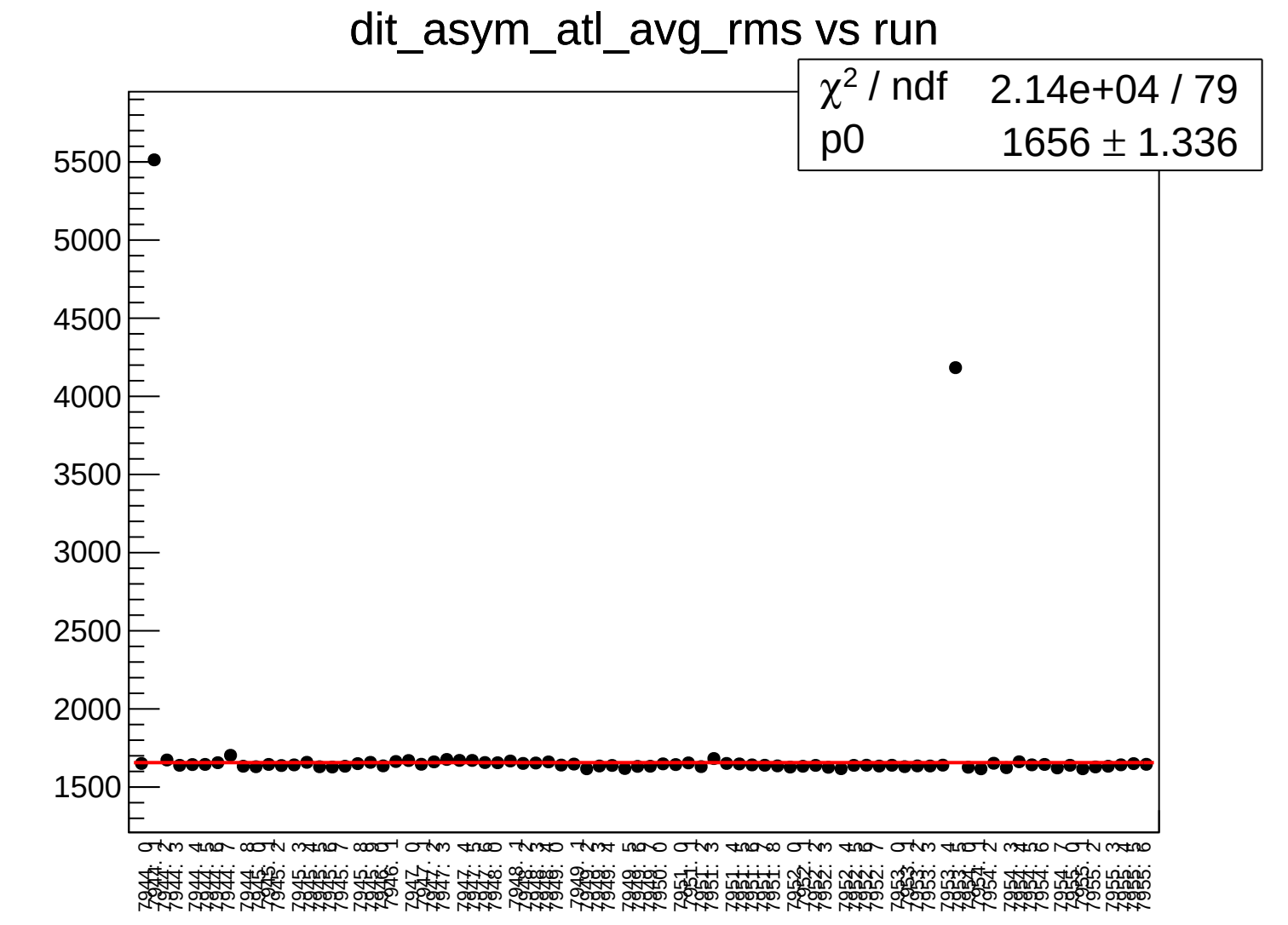

asym_at2_dd_mean vs run
×10^3
χ² / ndf 97.42 / 79
p0 193.4 ± 3878
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −157
Std Dev 199.1
3
2
1
0
−1
−2

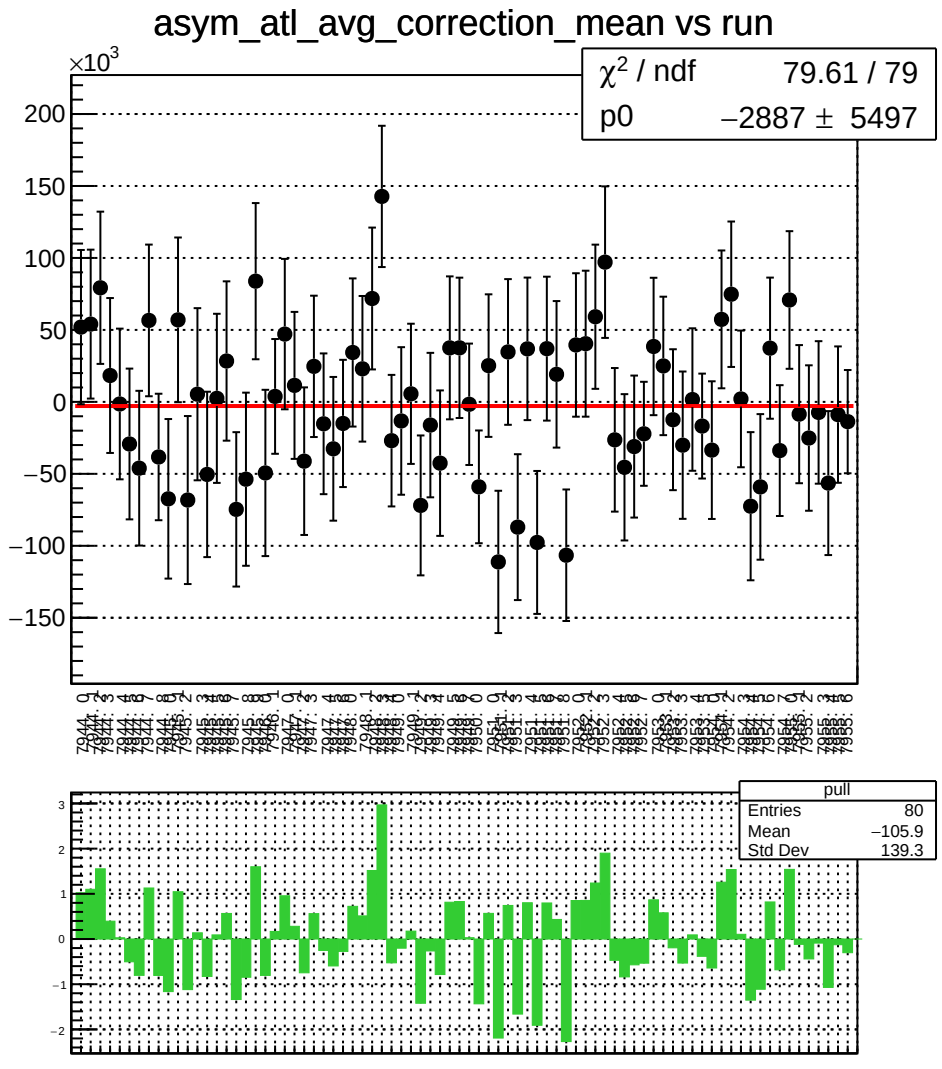

pull1D
Entries 80
Mean −0.0272
Std Dev 1.103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

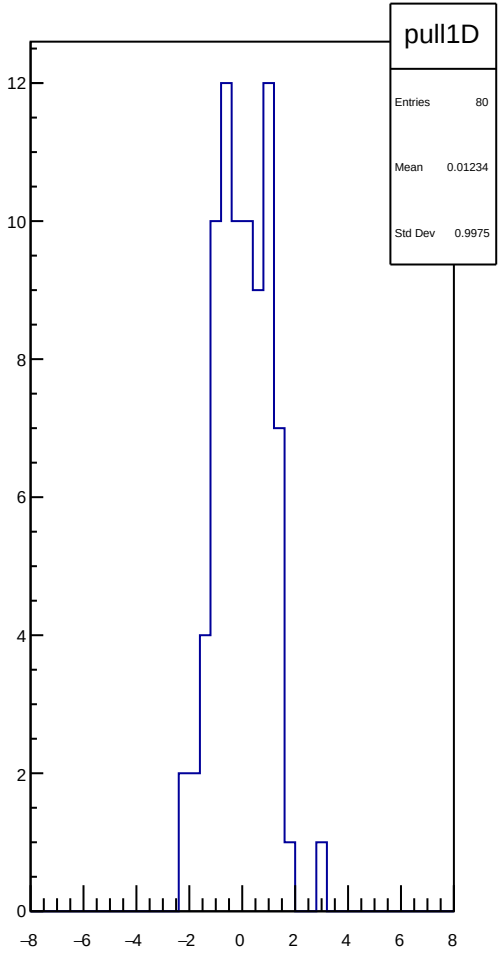

asym_at2_dd_rms vs run
χ² / ndf 992.5 / 79
p0 3422 ± 2.742
3800
3700
3600
3500
3400
3300
3200

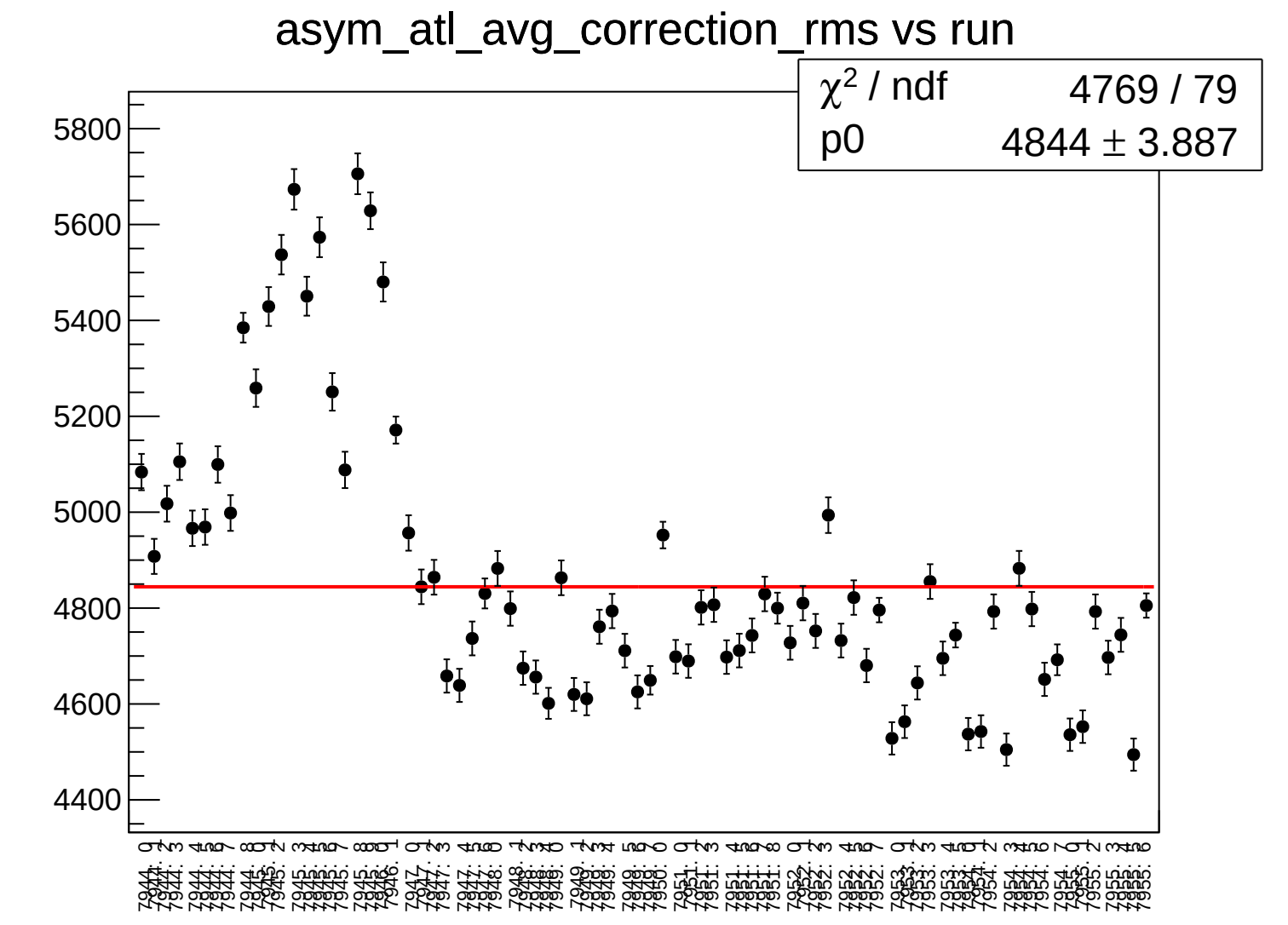

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 99.22 / 79
p0 1956 ± 1890
pull
Entries 80
Mean 200.3
Std Dev 149.1

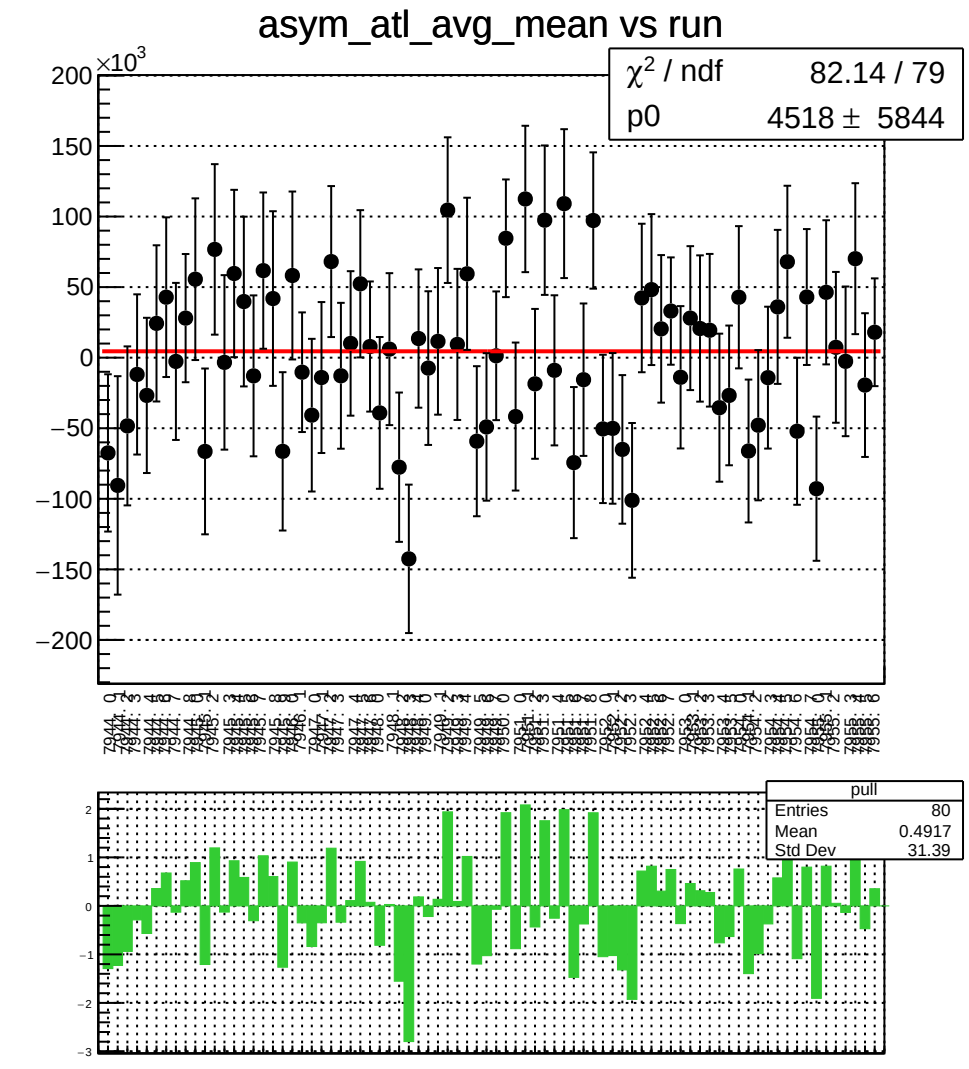

pull1D
Entries 80
Mean −0.01663
Std Dev 1.114

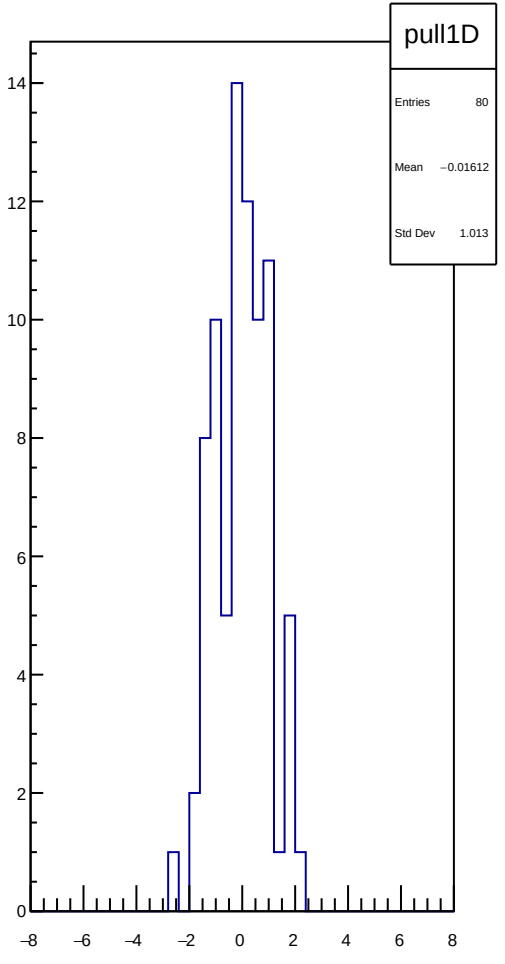

dit_asym_atl_avg_rms vs run
χ^2 / ndf 2.14e+04 / 79
p0 1656 ± 1.336
5500
5000
4500
4000
3500
3000
2500
2000
1500

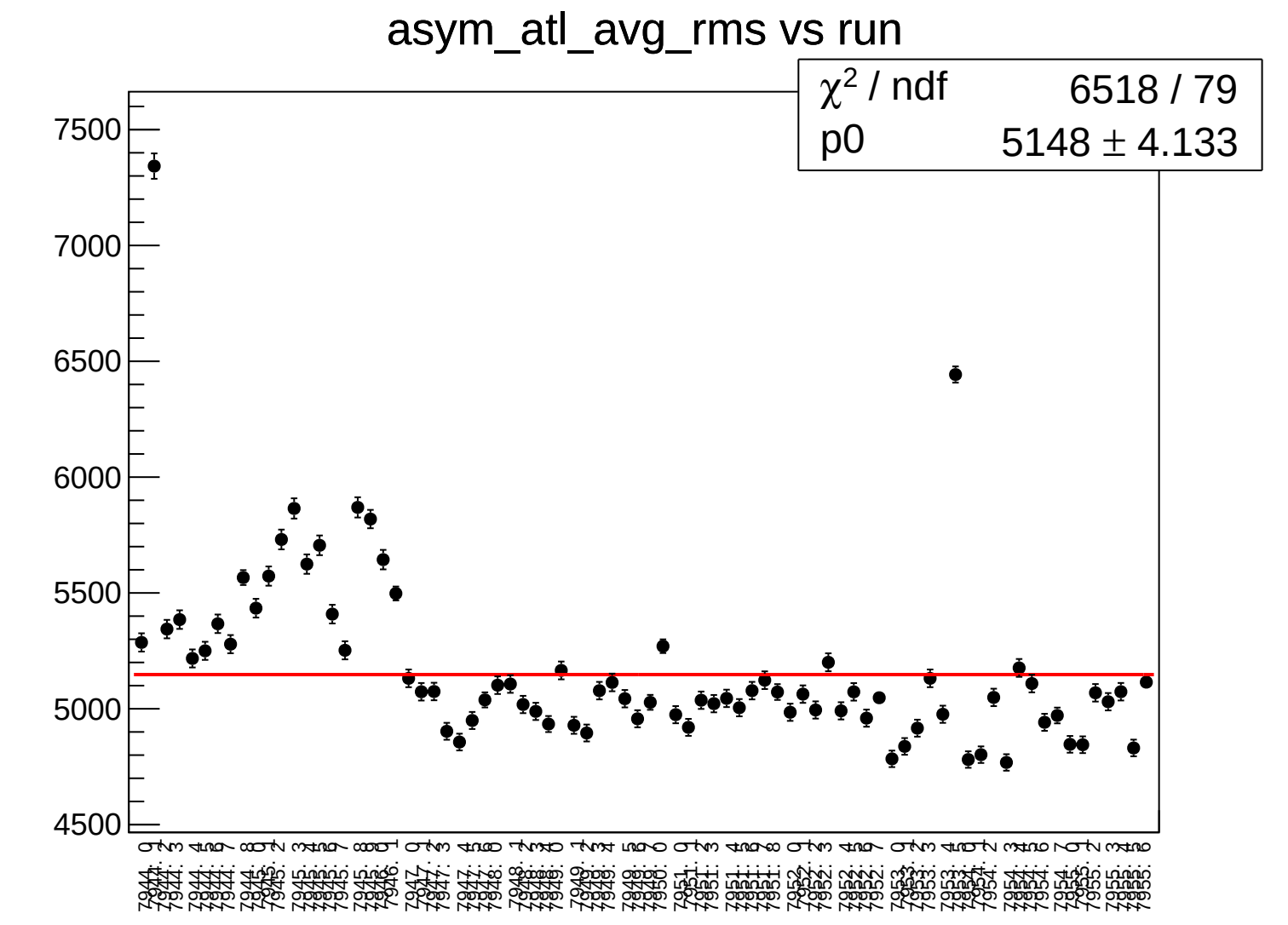

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 79.61 / 79
p0 −2887 ± 5497
pull
Entries 80
Mean −105.9
Std Dev 139.3

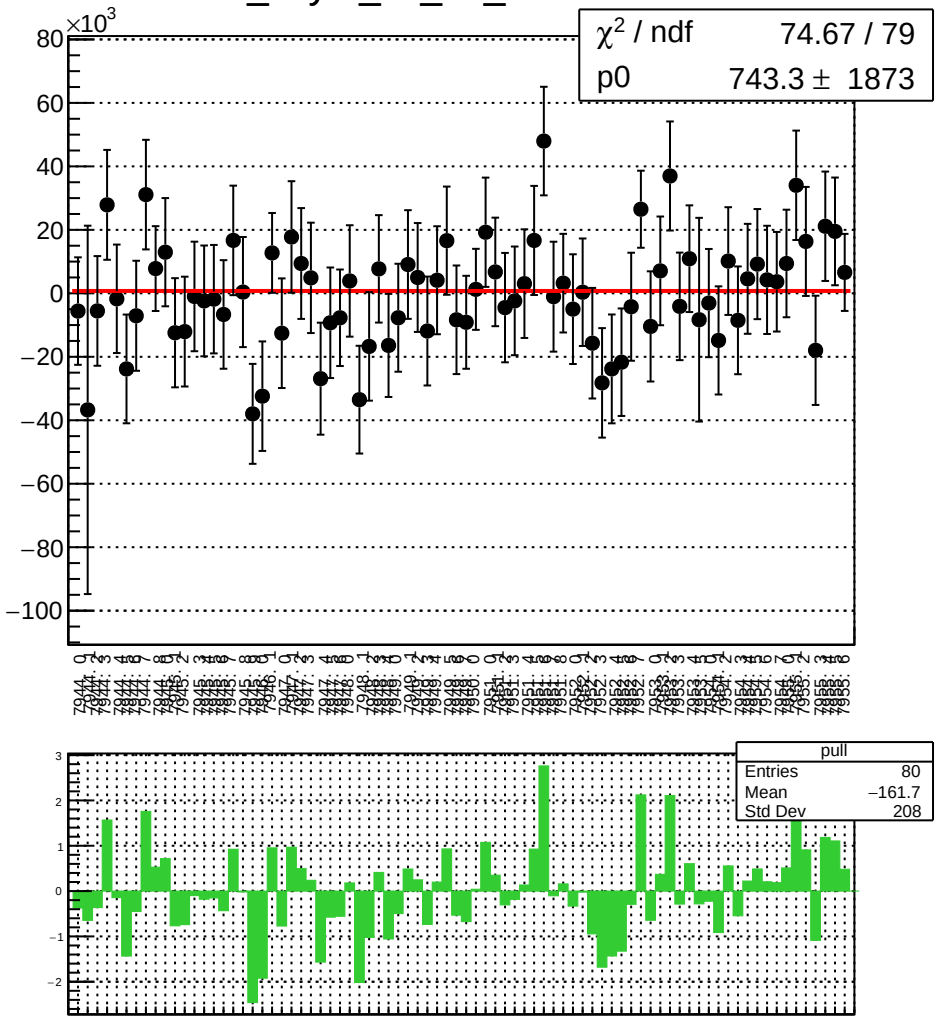

pull1D
Entries 80
Mean 0.01234
Std Dev 0.9975

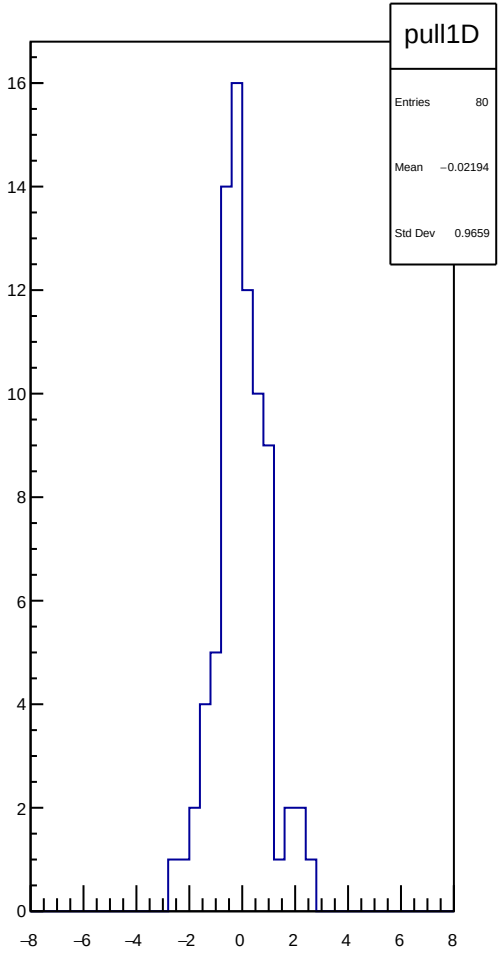

asym_atl_avg_correction_rms vs run
χ² / ndf 4769 / 79
p0 4844 ± 3.887
5800
5600
5400
5200
5000
4800
4600
4400

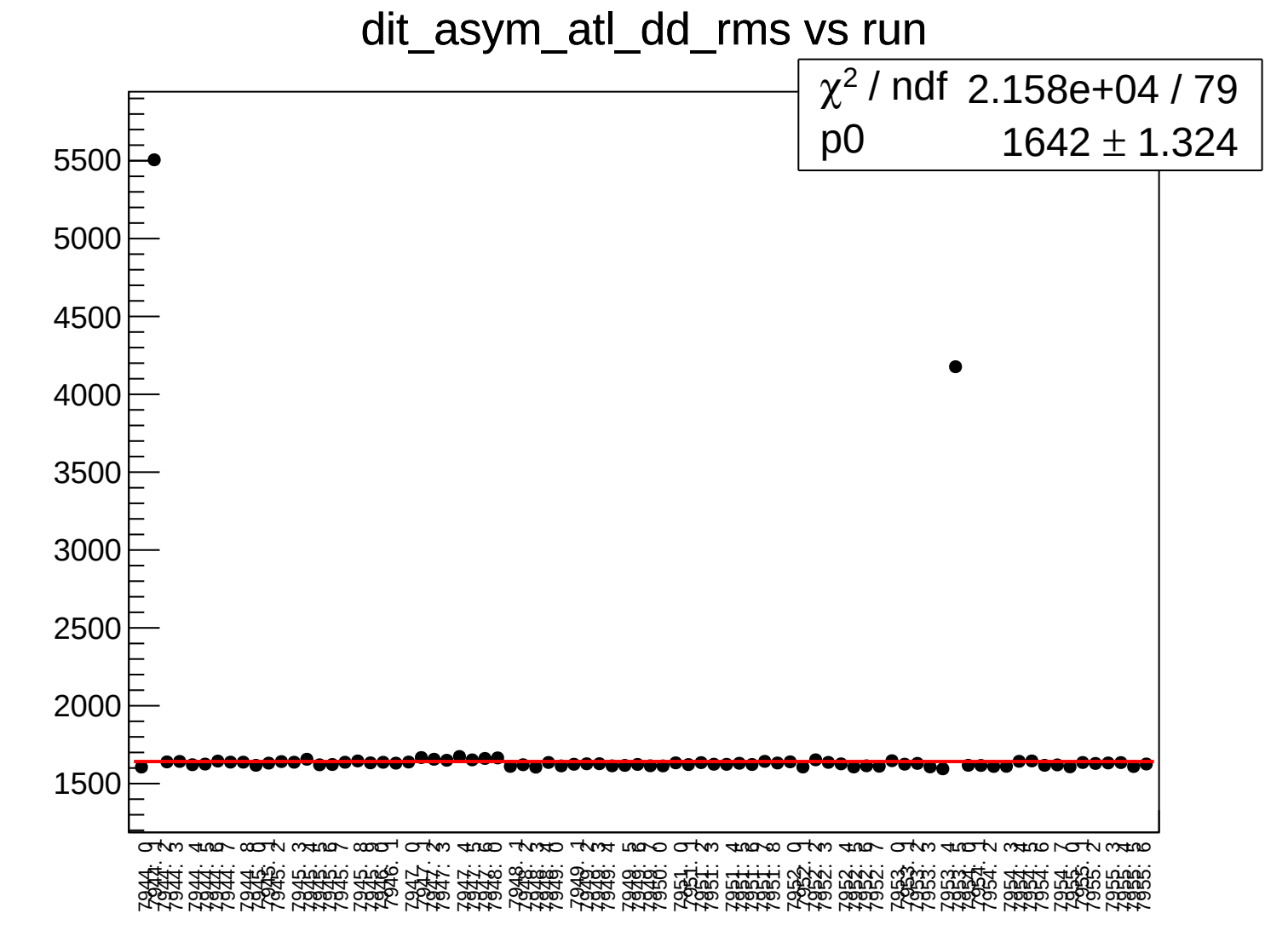

asym_atl_avg_mean vs run
χ² / ndf 82.14 / 79
p0 4518 ± 5844
×10³
pull
Entries 80
Mean 0.4917
Std Dev 31.39

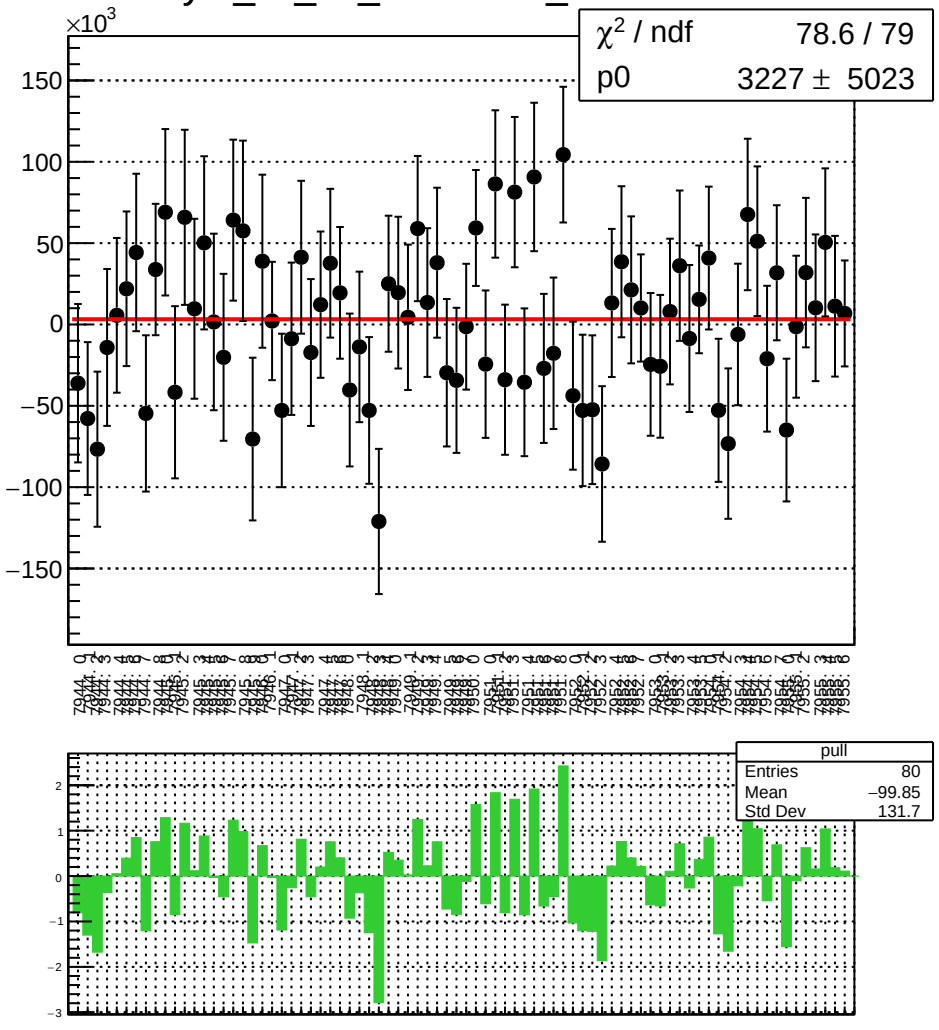

pull1D
Entries 80
Mean −0.01612
Std Dev 1.013

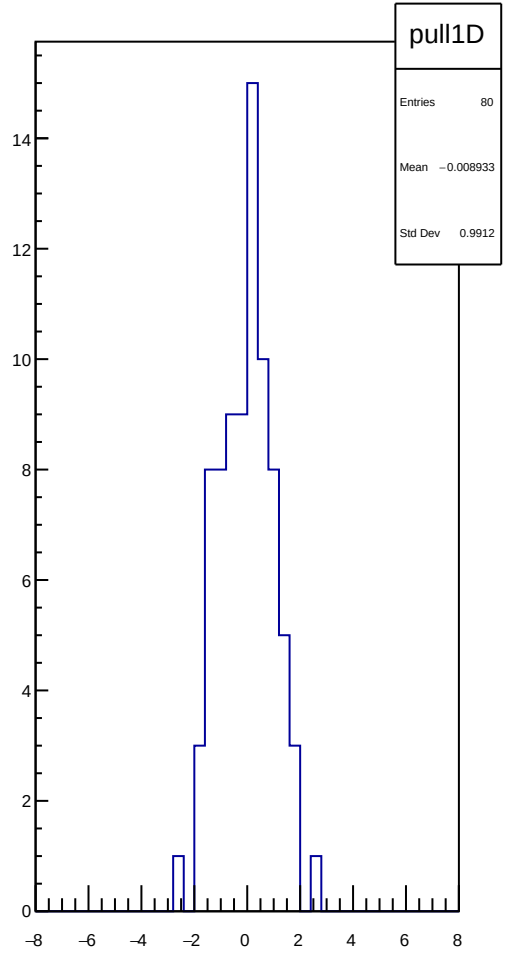

asym_atl_avg_rms vs run
χ^2 / ndf 6518 / 79
p0 5148 ± 4.133
7500
7000
6500
6000
5500
5000
4500

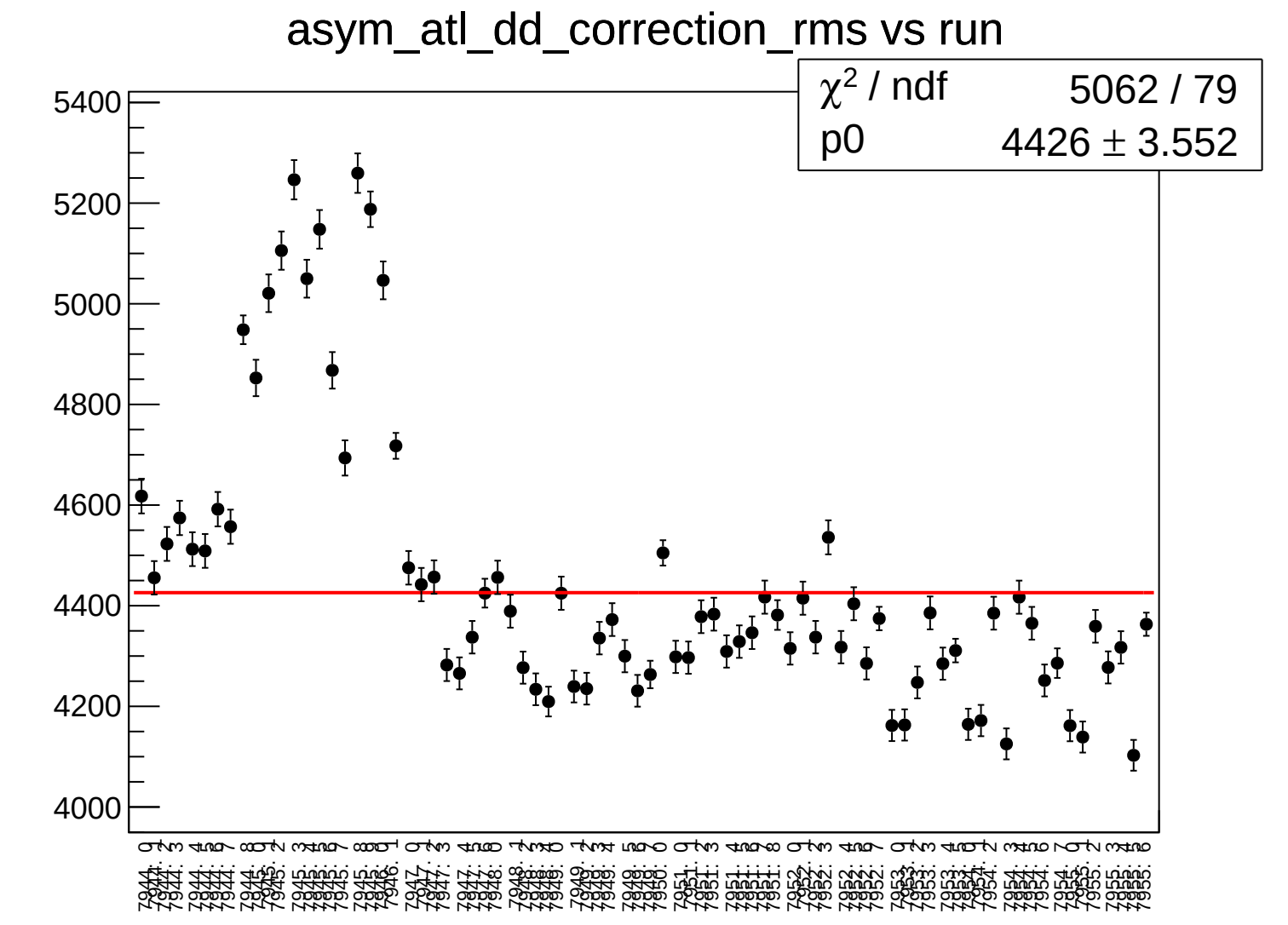

dit_asym_atl_dd_mean vs run
χ^2 / ndf 74.67 / 79
p0 743.3 ± 1873
pull
Entries 80
Mean −161.7
Std Dev 208

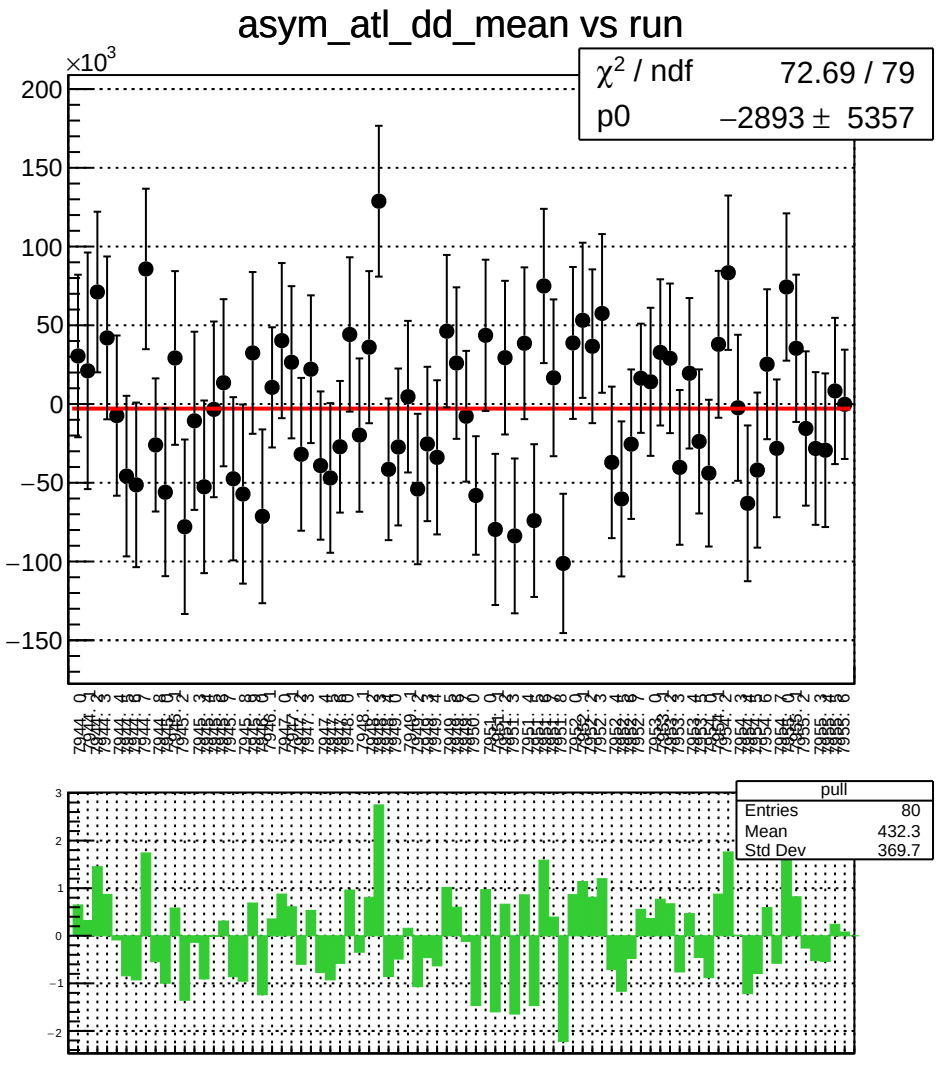

pull1D
Entries 80
Mean −0.02194
Std Dev 0.9659

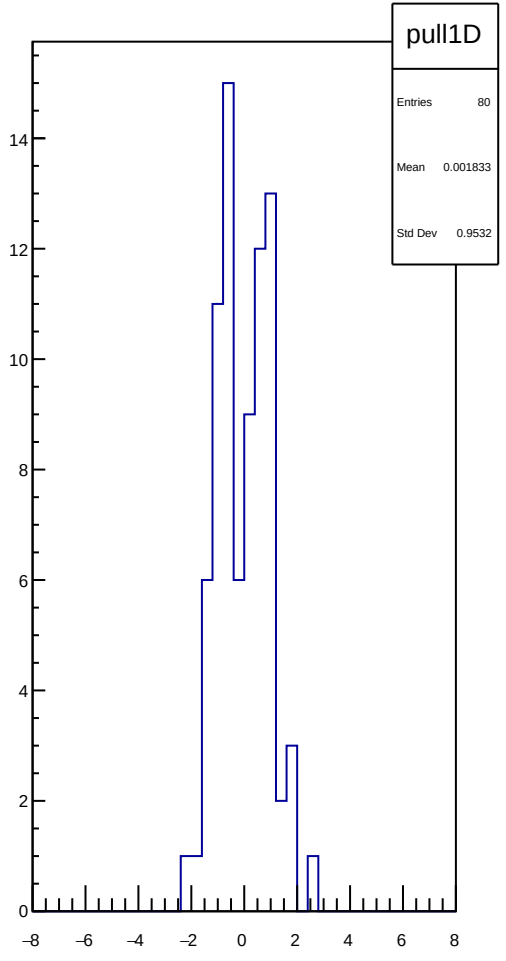

dit_asym_atl_dd_rms vs run
χ^2 / ndf 2.158e+04 / 79
p0 1642 ± 1.324
5500
5000
4500
4000
3500
3000
2500
2000
1500

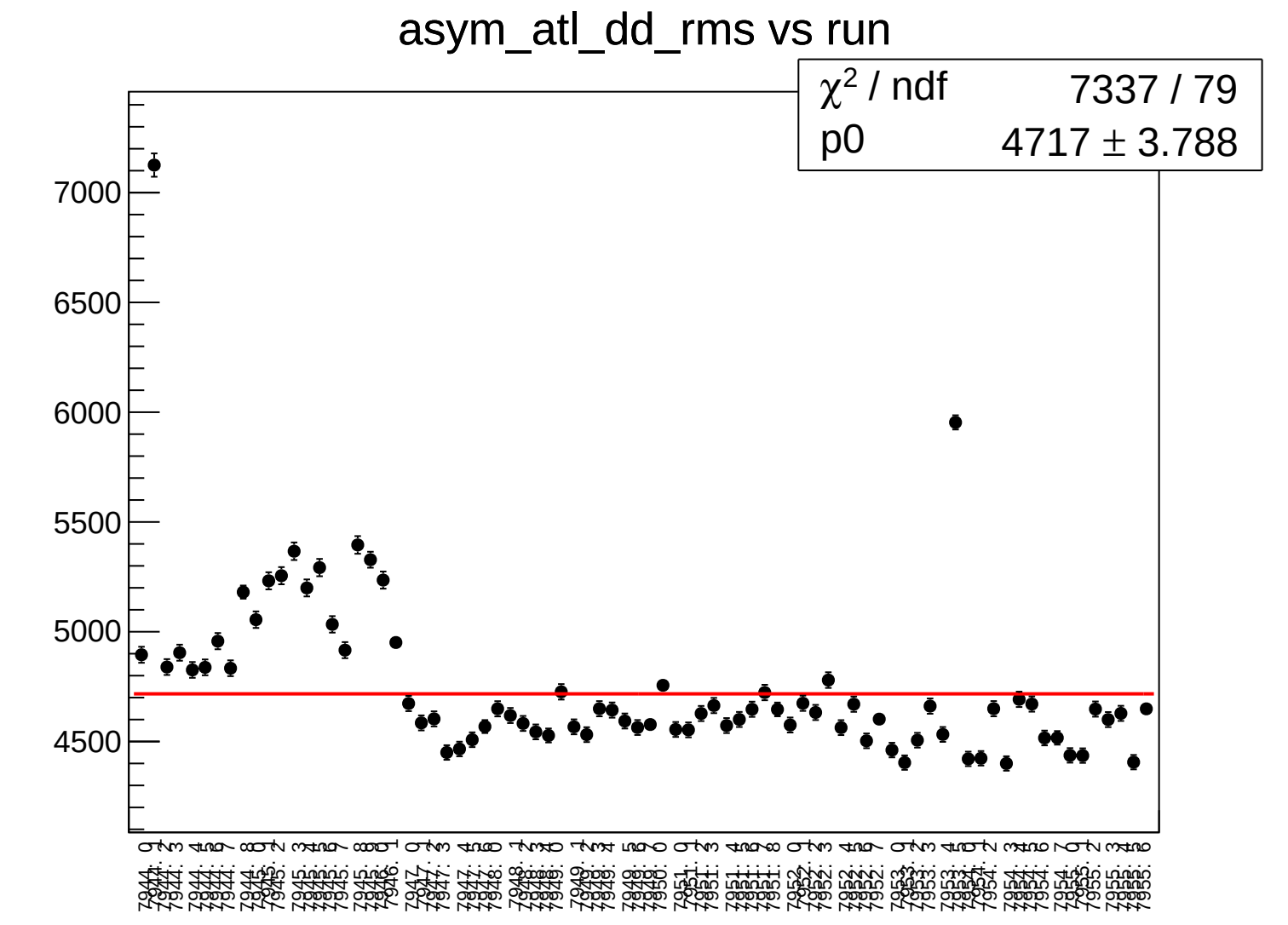

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 78.6 / 79
p0 3227 ± 5023
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −99.85
Std Dev 131.7
2
1
0
−1
−2
−3

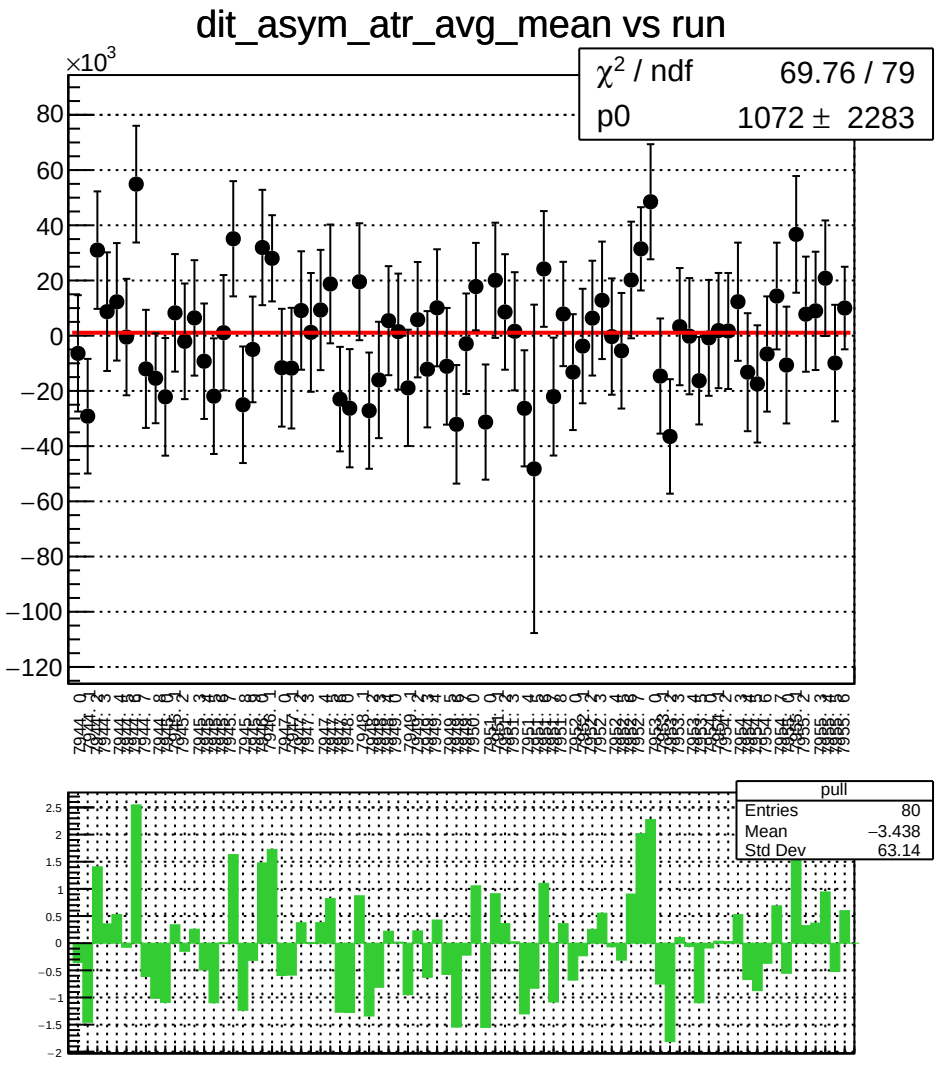

pull1D
Entries 80
Mean −0.008933
Std Dev 0.9912
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

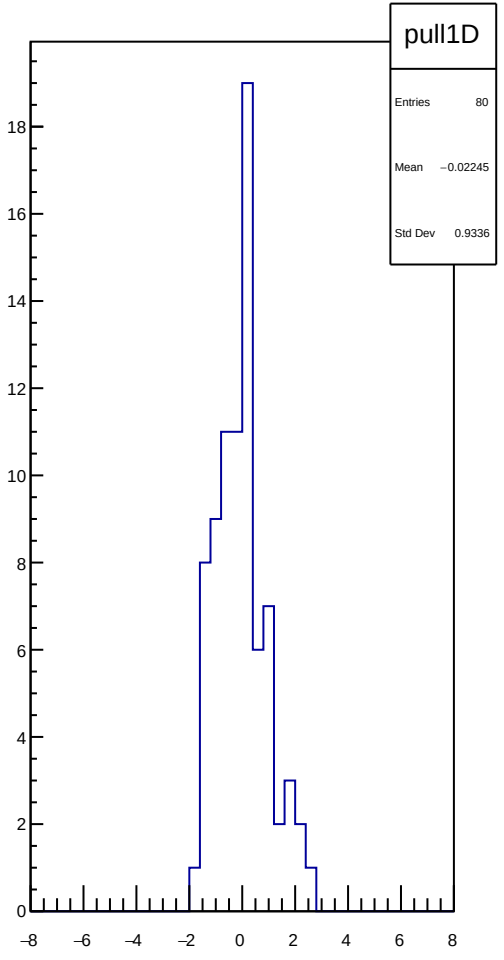

asym_atl_dd_correction_rms vs run
χ² / ndf 5062 / 79
p0 4426 ± 3.552
5400
5200
5000
4800
4600
4400
4200
4000

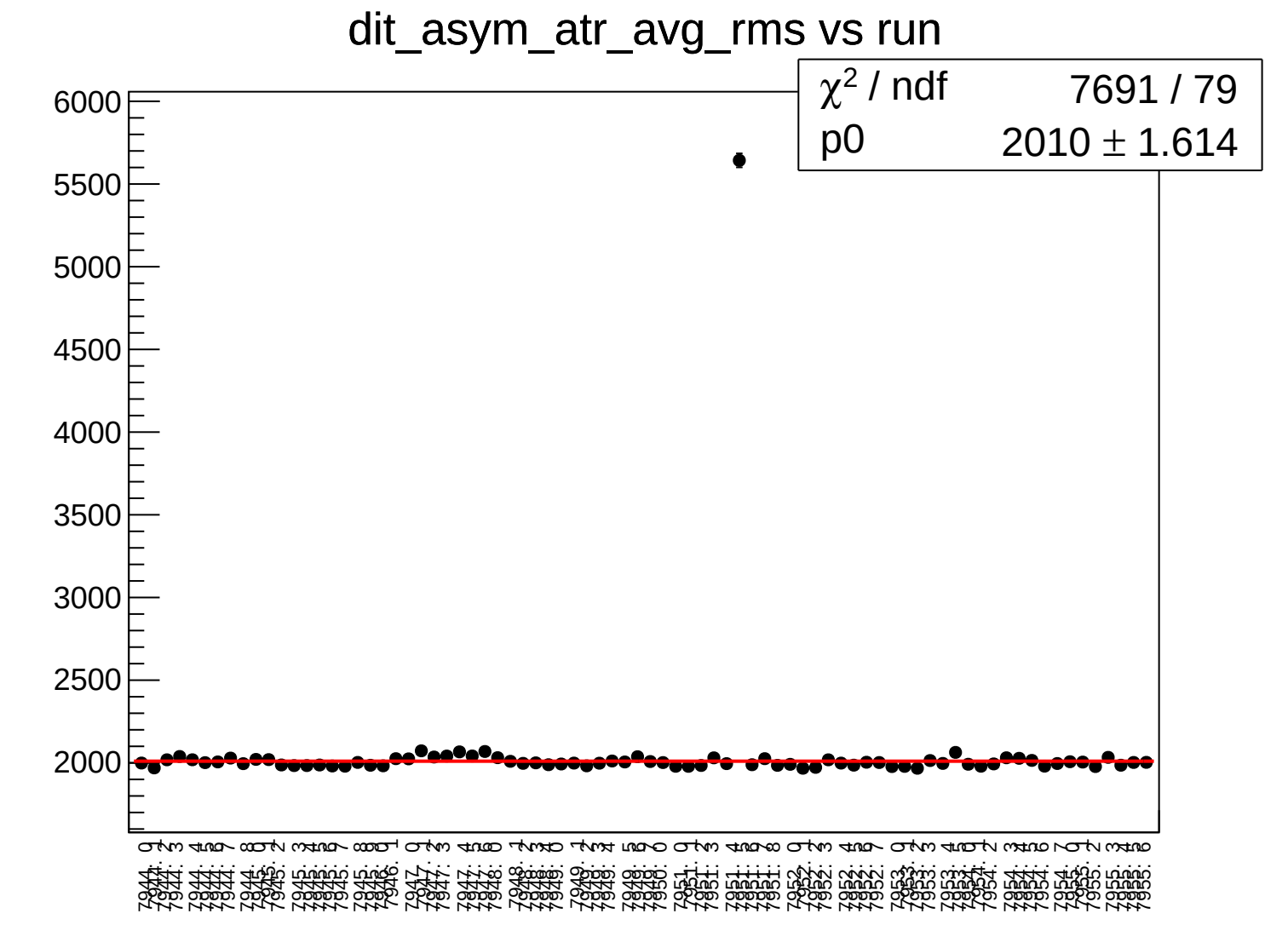

asym_atl_dd_mean vs run
×10^3
χ² / ndf 72.69 / 79
p0 −2893 ± 5357
pull
Entries 80
Mean 432.3
Std Dev 369.7

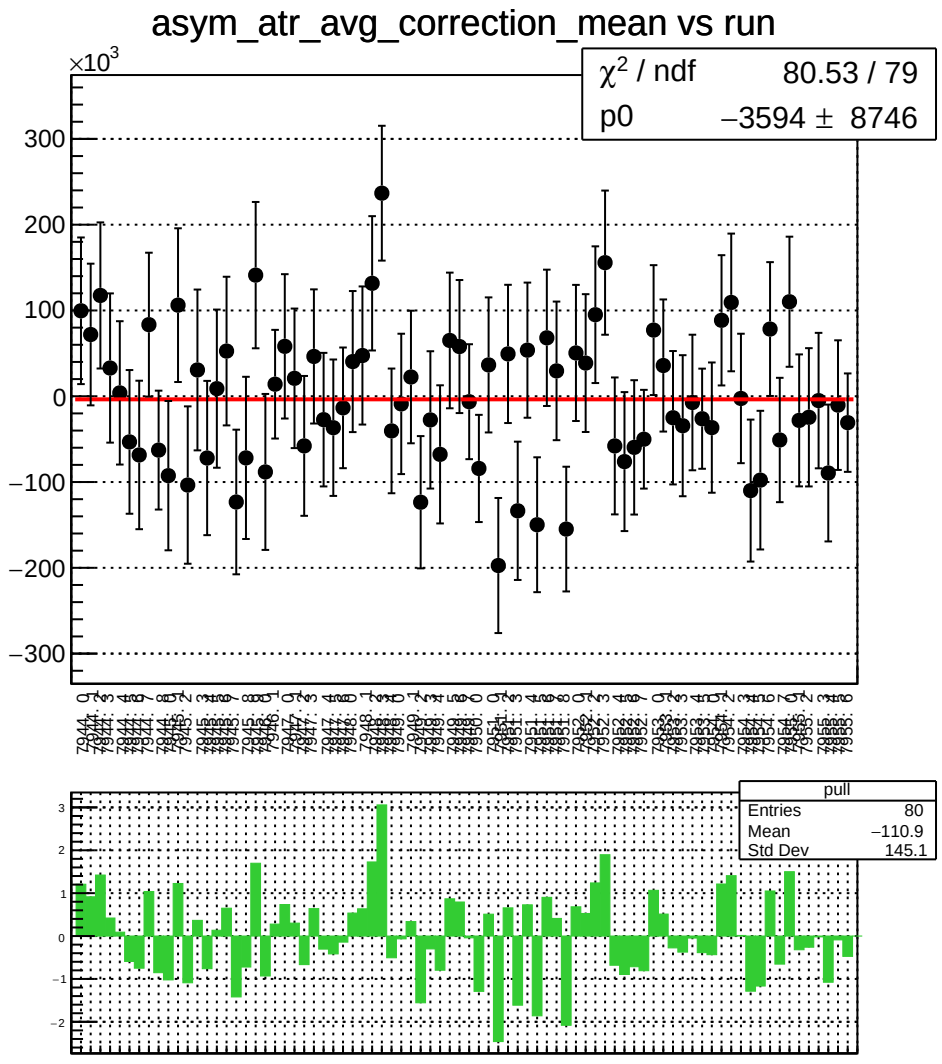

pull1D
Entries 80
Mean 0.001833
Std Dev 0.9532

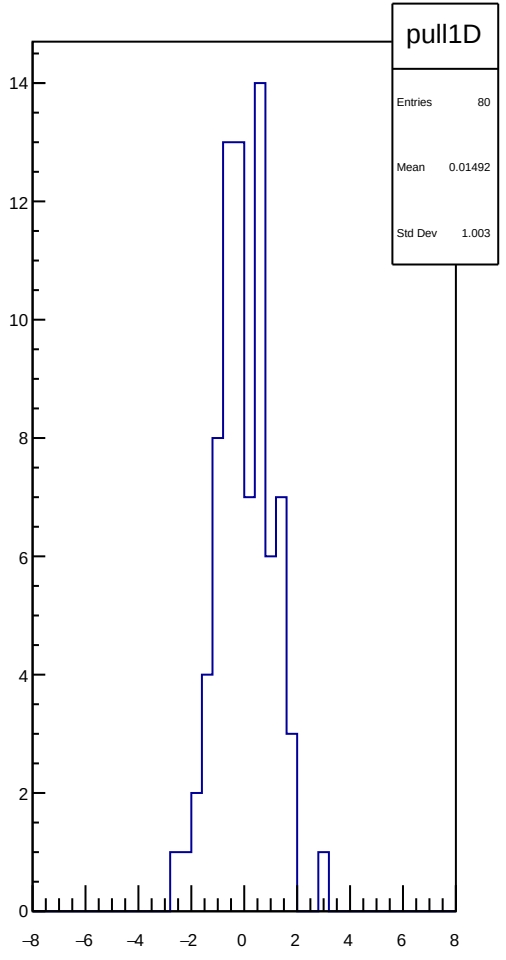

asym_atl_dd_rms vs run
χ^2 / ndf 7337 / 79
p0 4717 ± 3.788
7000
6500
6000
5500
5000
4500

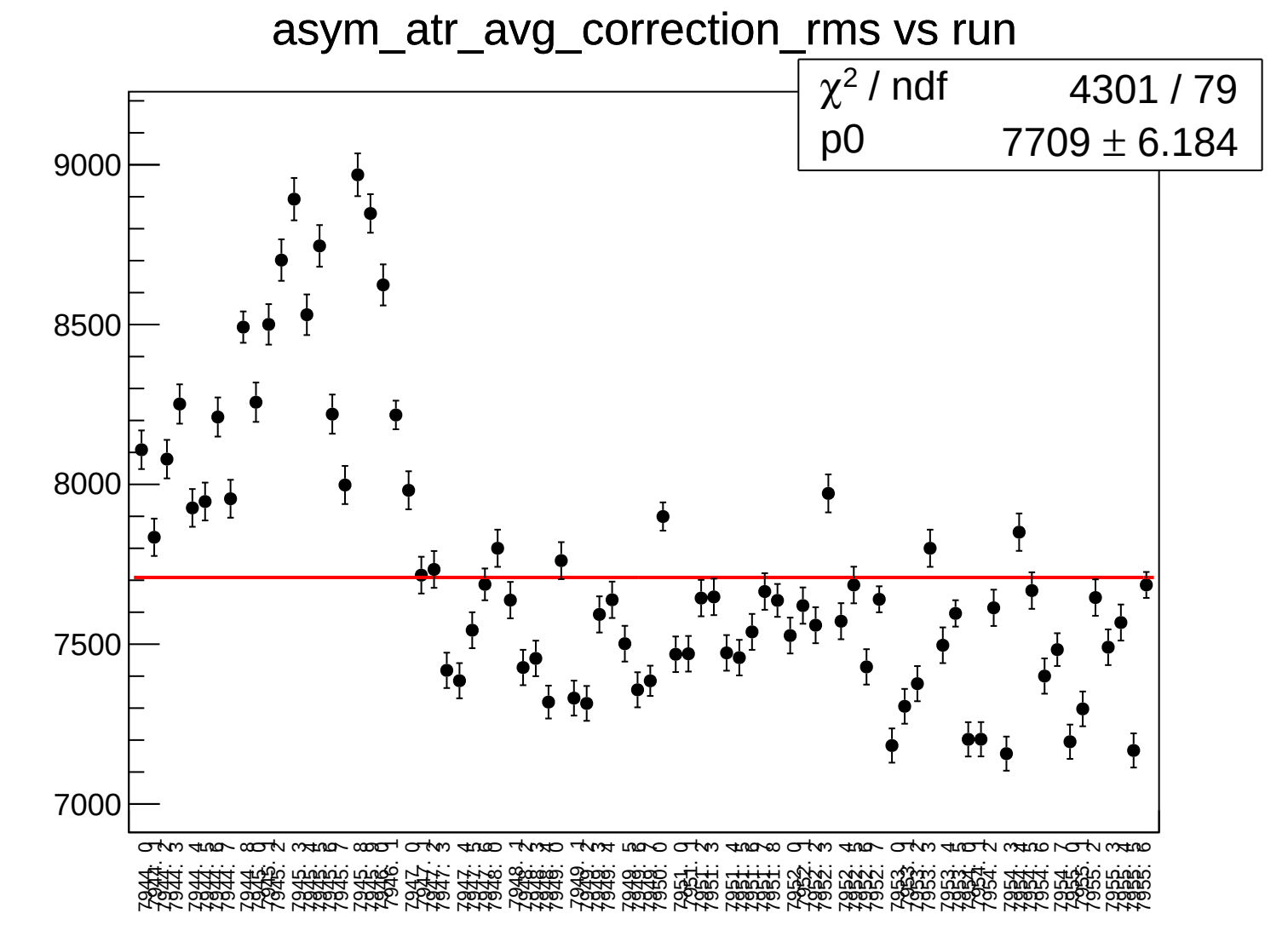

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 69.76 / 79
p0 1072 ± 2283
pull
Entries 80
Mean −3.438
Std Dev 63.14

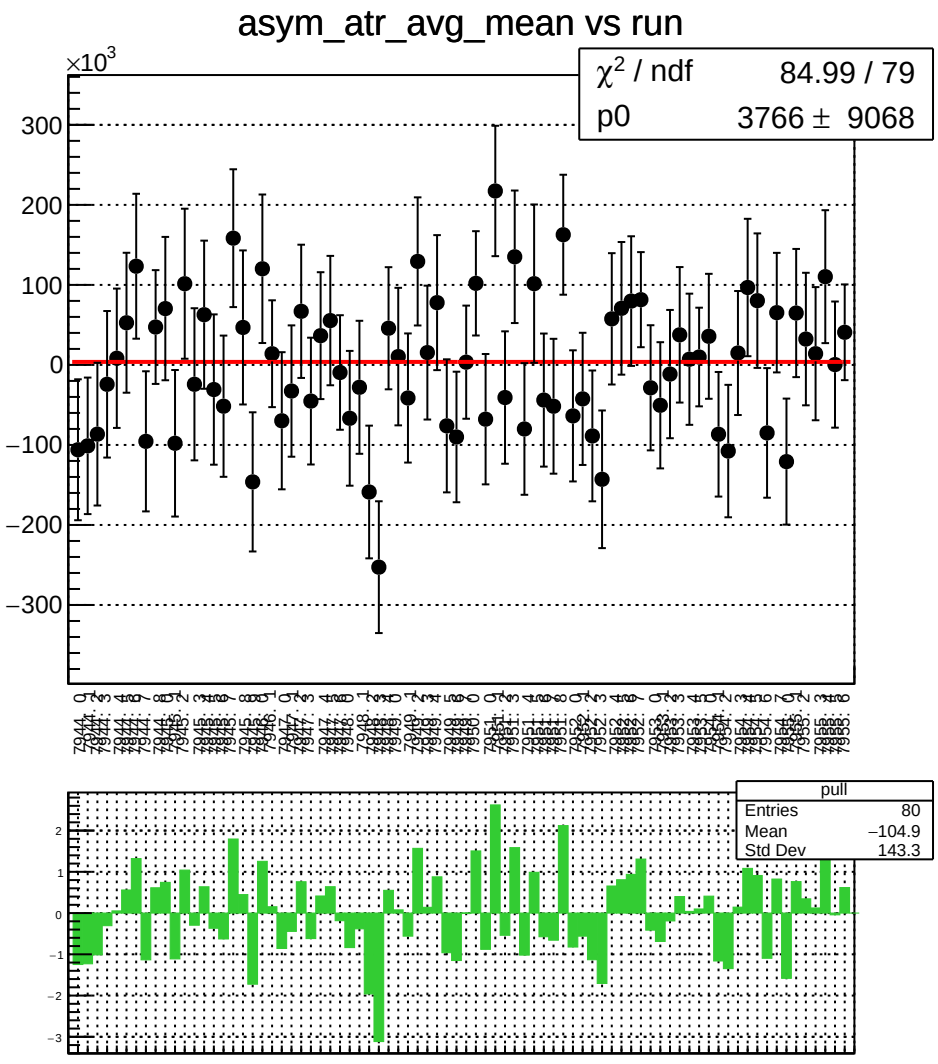

pull1D
Entries 80
Mean −0.02245
Std Dev 0.9336

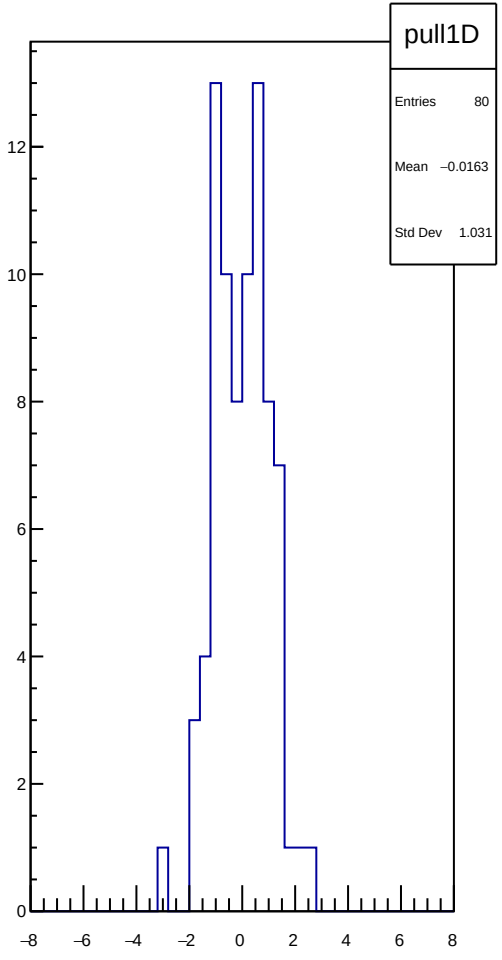

dit_asym_atr_avg_rms vs run
χ² / ndf 7691 / 79
p0 2010 ± 1.614
6000
5500
5000
4500
4000
3500
3000
2500
2000

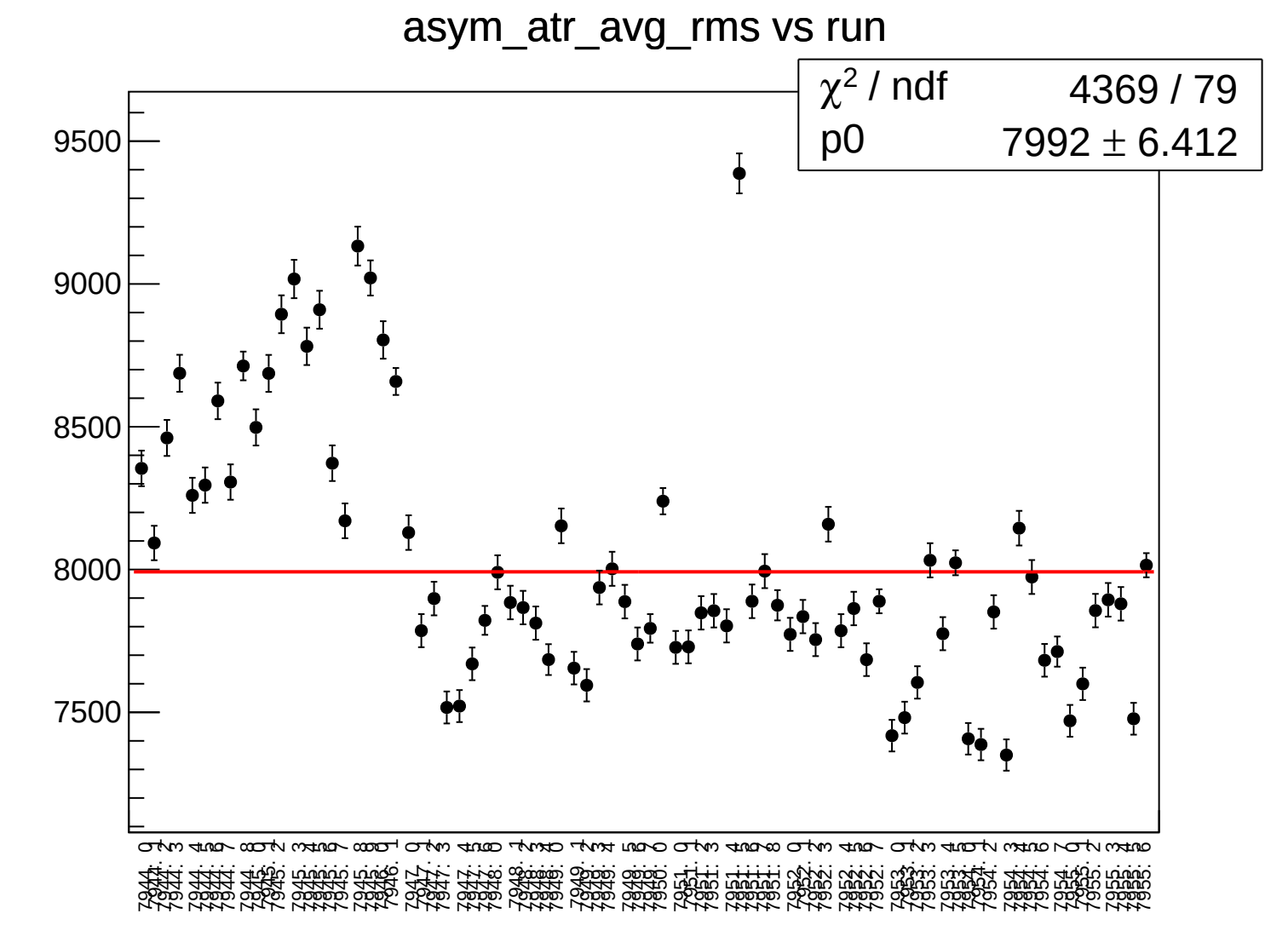

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 80.53 / 79
p0 −3594 ± 8746
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean −110.9
Std Dev 145.1
3
2
1
0
−1
−2

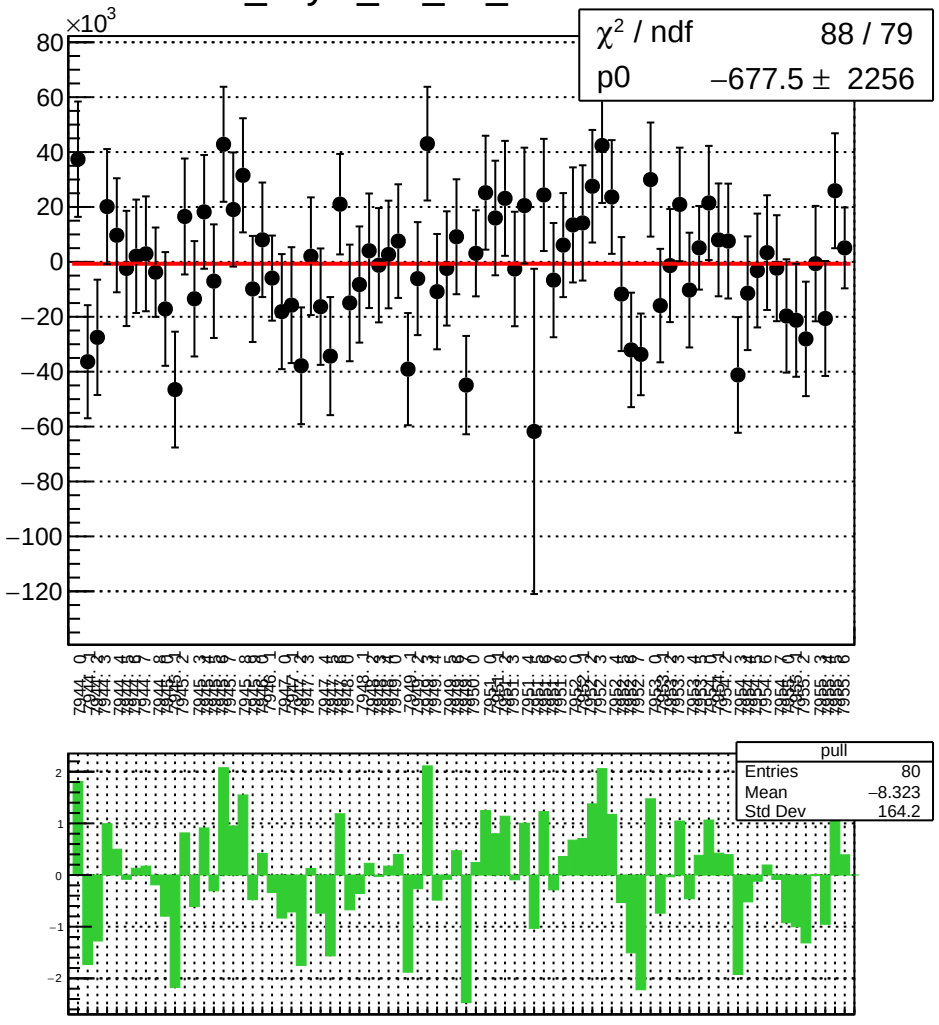

pull1D
Entries 80
Mean 0.01492
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

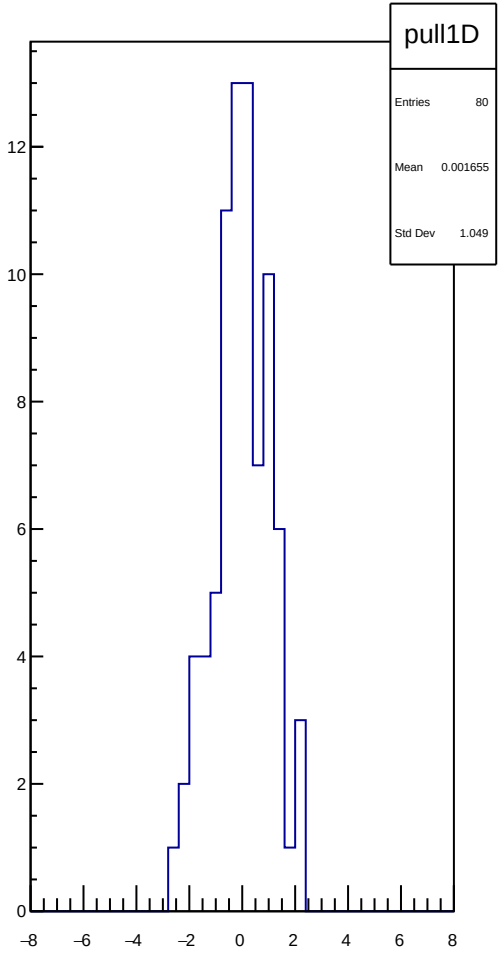

asym_atr_avg_correction_rms vs run
χ² / ndf 4301 / 79
p0 7709 ± 6.184
9000
8500
8000
7500
7000

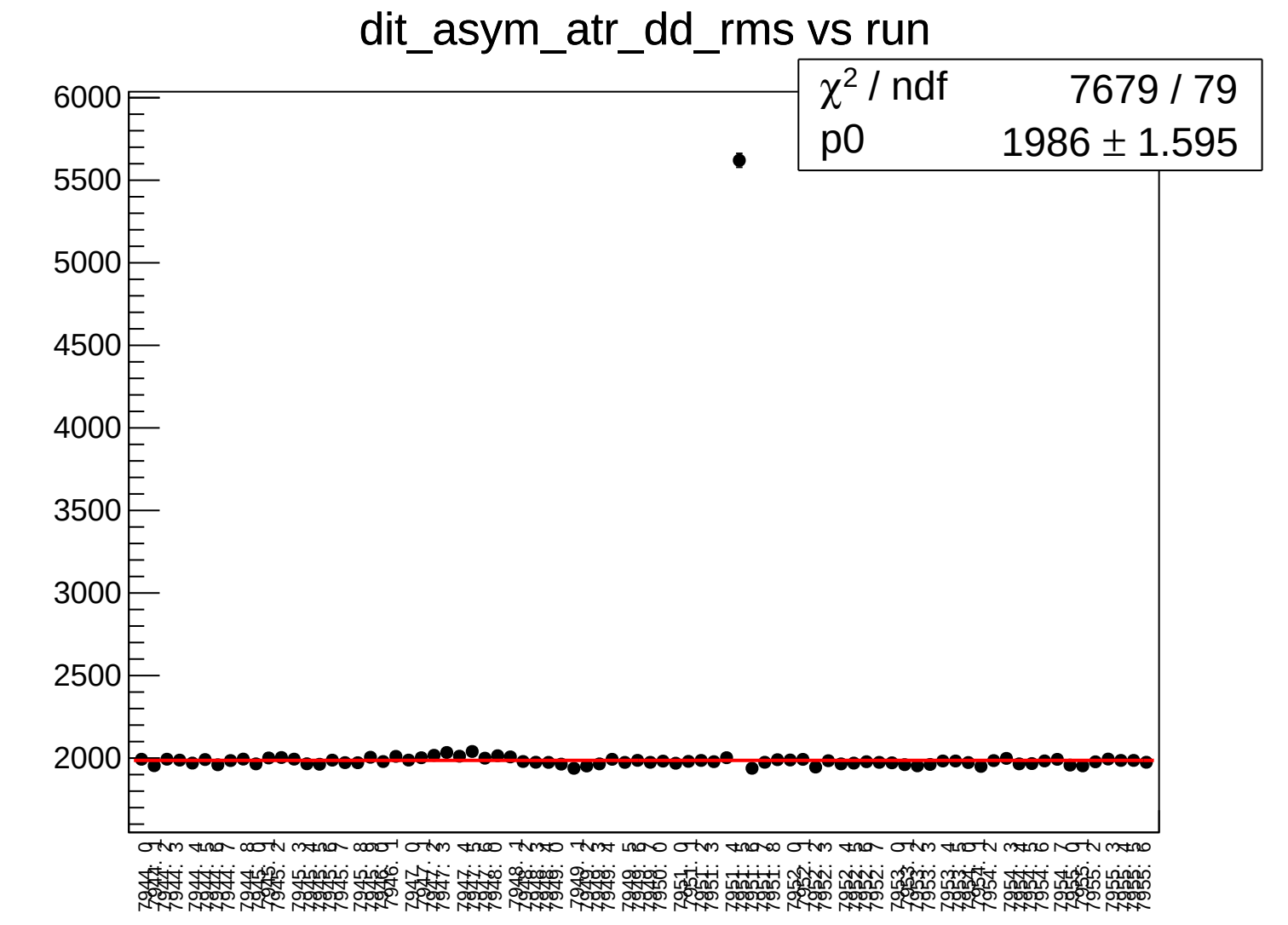

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 84.99 / 79
p0 3766 ± 9068
pull
Entries 80
Mean −104.9
Std Dev 143.3

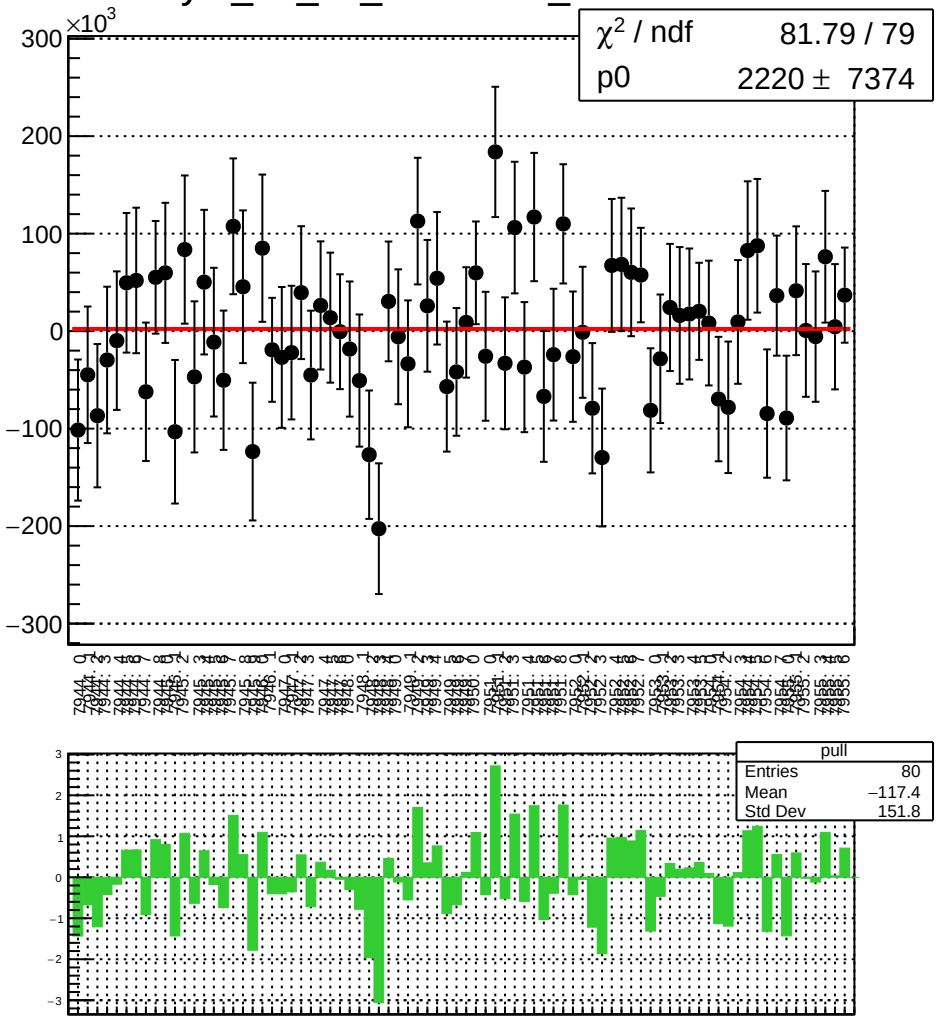

pull1D
Entries 80
Mean −0.0163
Std Dev 1.031

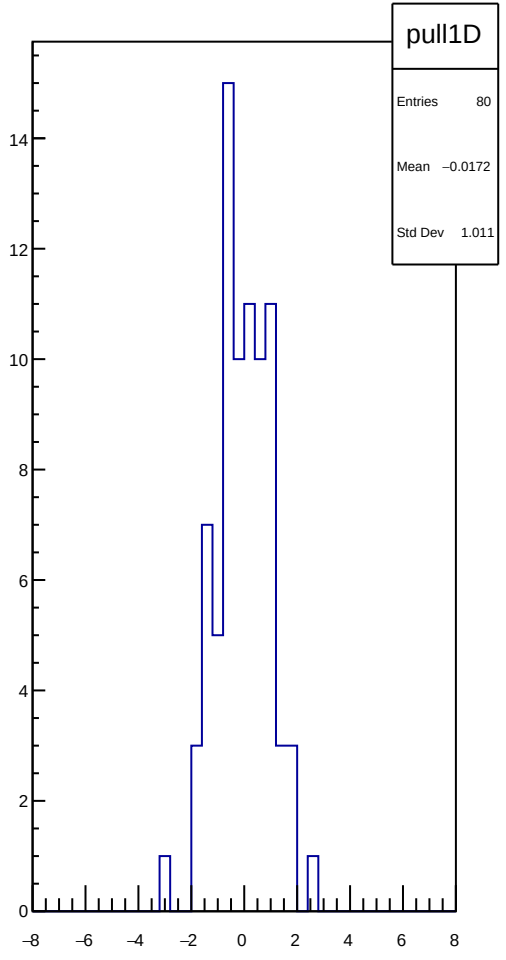

asym_atr_avg_rms vs run
χ^2 / ndf 4369 / 79
p0 7992 ± 6.412
9500
9000
8500
8000
7500

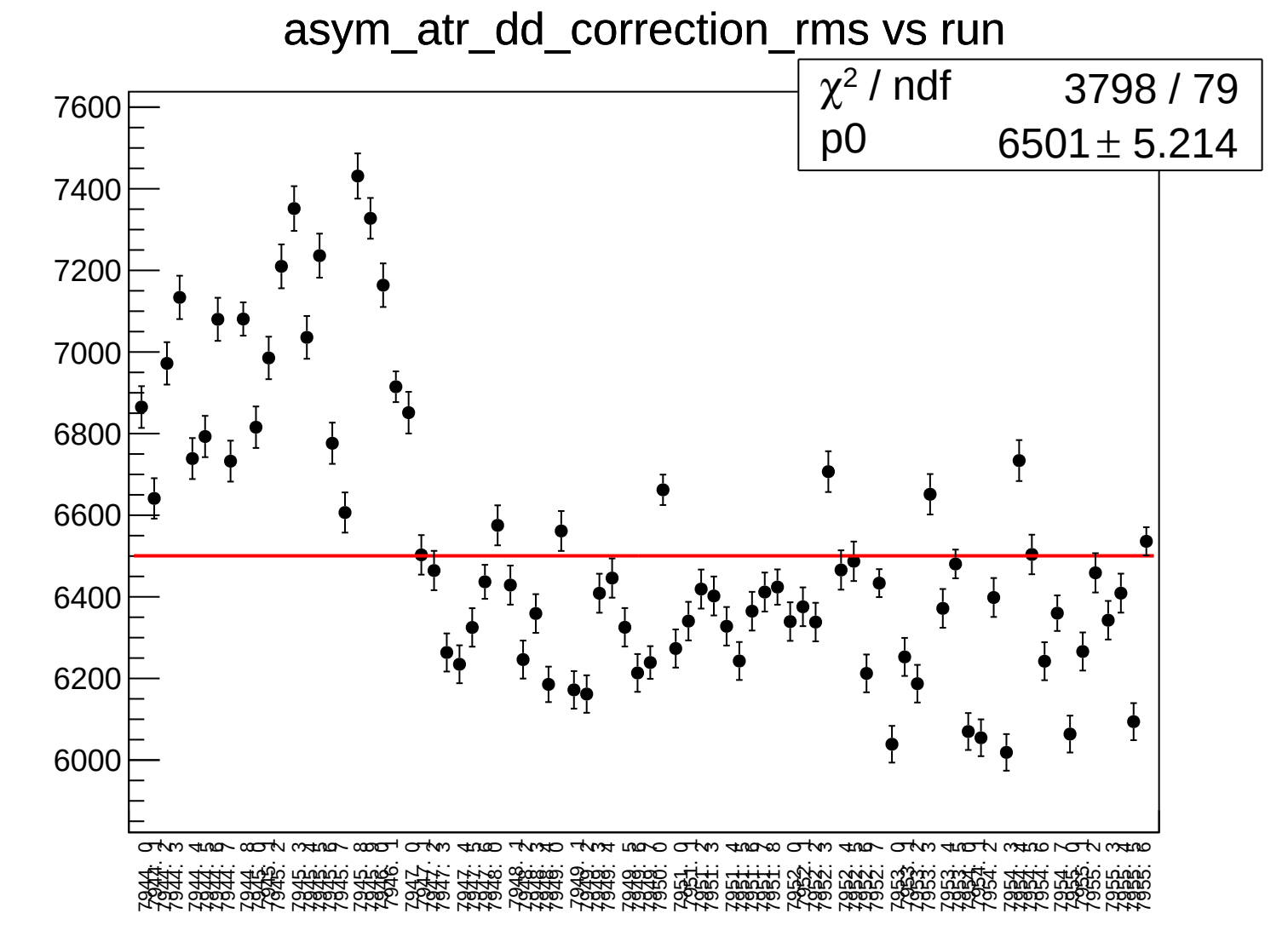

dit_asym_atr_dd_mean vs run
χ² / ndf 88 / 79
p0 −677.5 ± 2256
×10³
pull
Entries 80
Mean −8.323
Std Dev 164.2

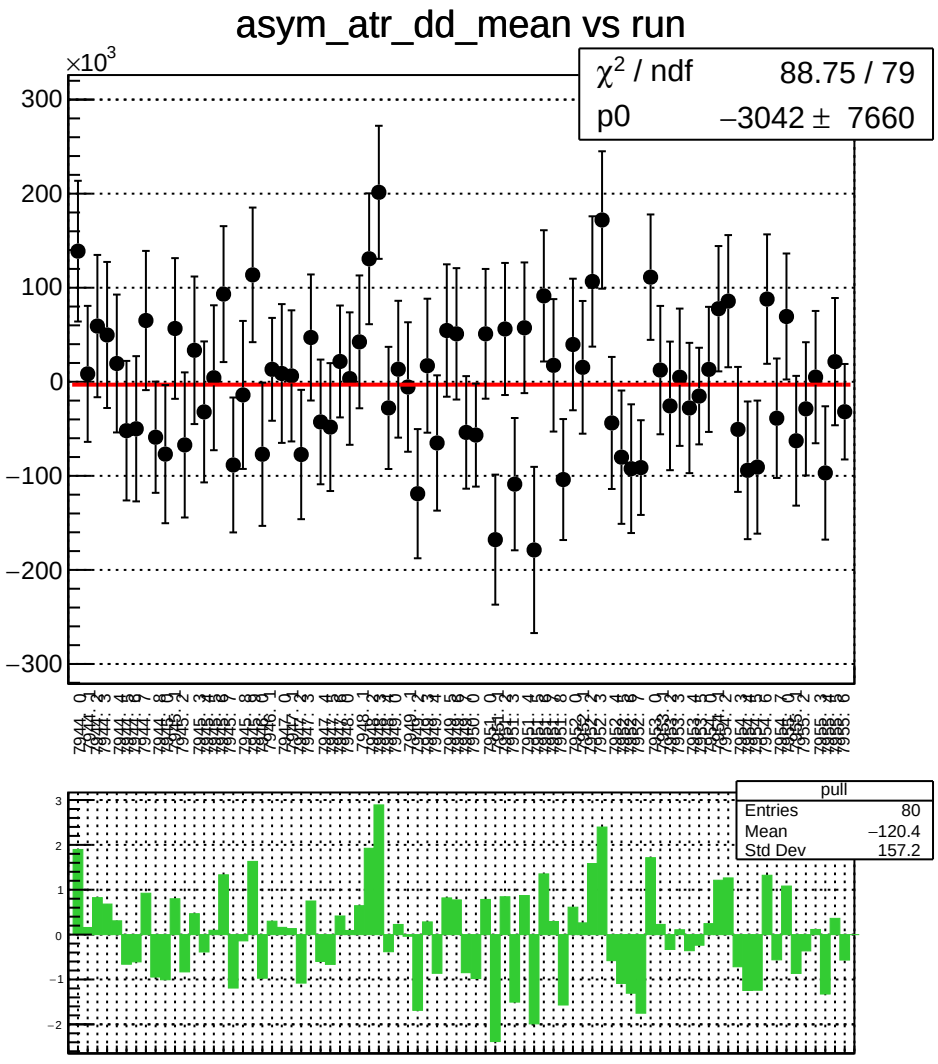

pull1D
Entries 80
Mean 0.001655
Std Dev 1.049

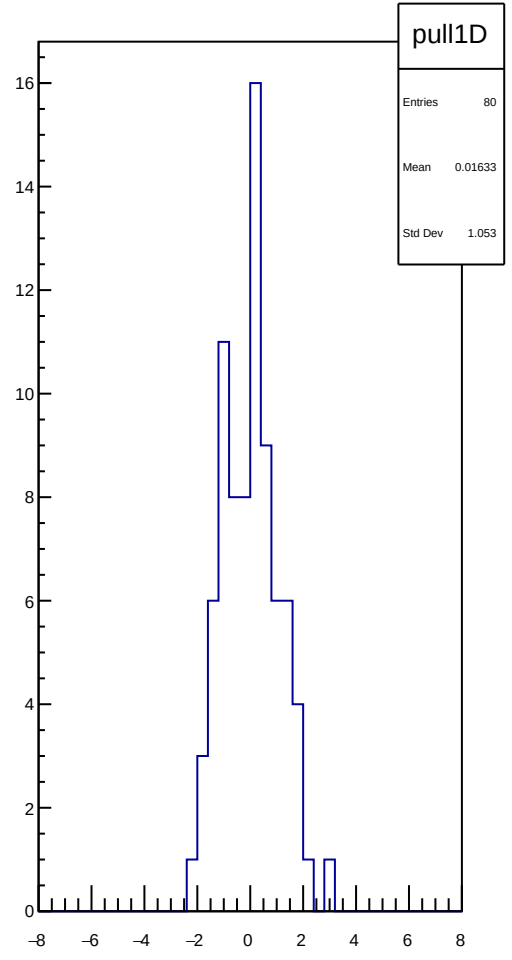

dit_asym_atr_dd_rms vs run
χ² / ndf 7679 / 79
p0 1986 ± 1.595
6000
5500
5000
4500
4000
3500
3000
2500
2000

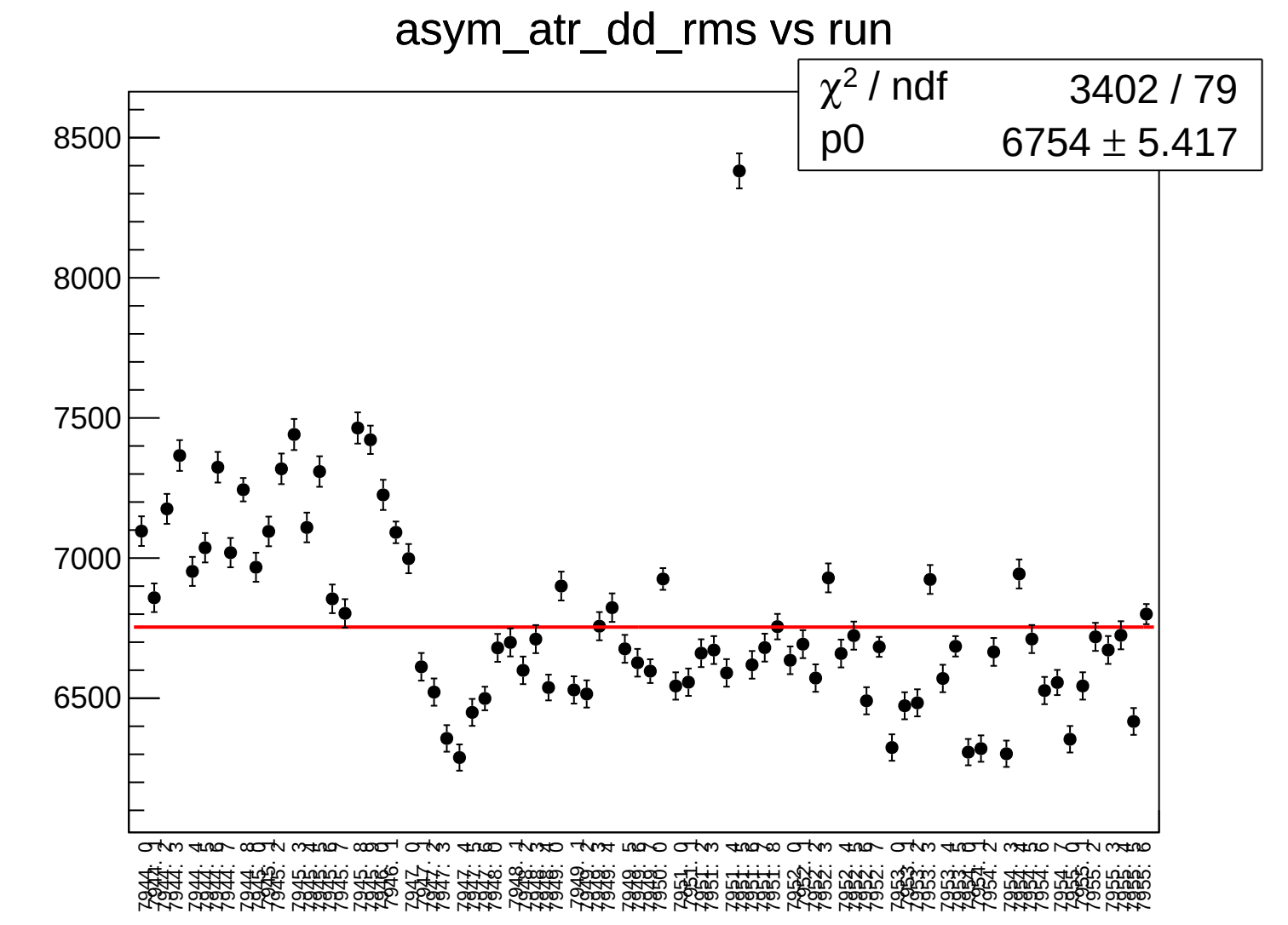

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 81.79 / 79
p0 2220 ± 7374
pull
Entries 80
Mean −117.4
Std Dev 151.8

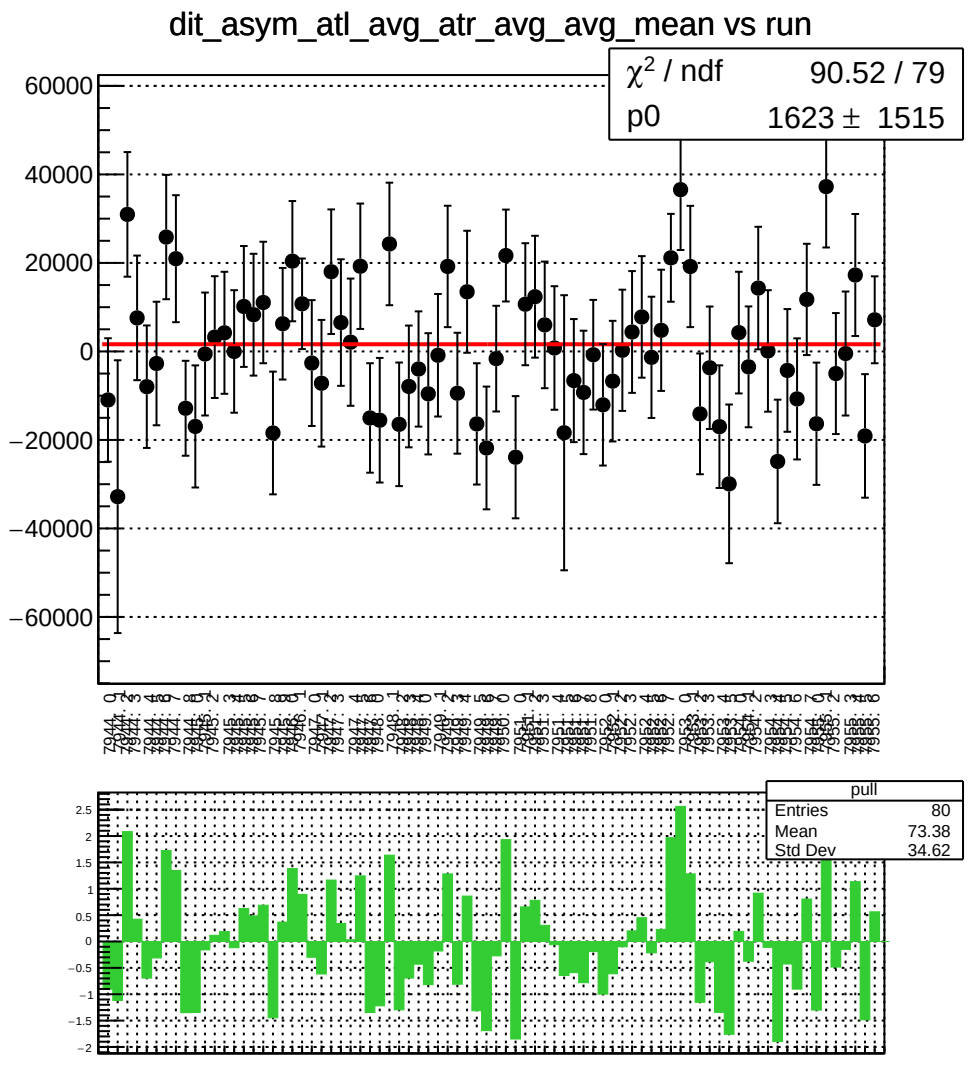

pull1D
Entries 80
Mean −0.0172
Std Dev 1.011

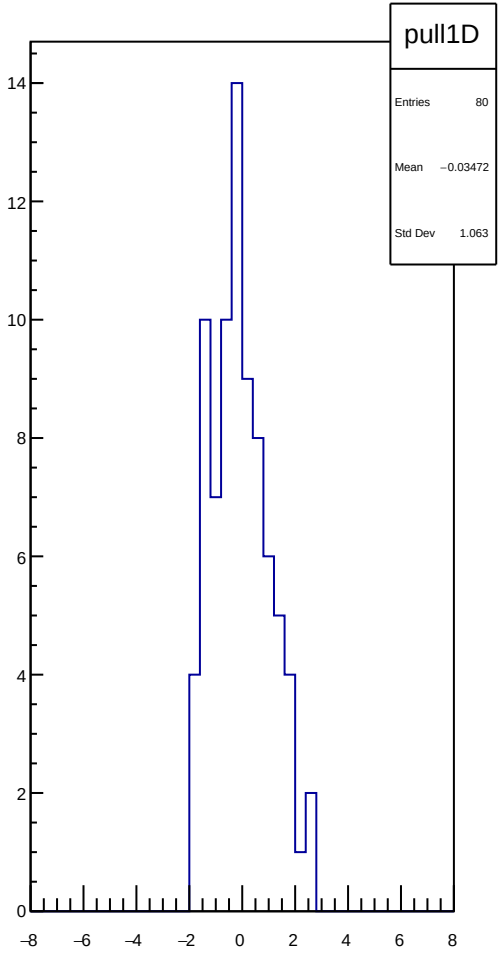

asym_atr_dd_correction_rms vs run
χ² / ndf 3798 / 79
p0 6501 ± 5.214
7600
7400
7200
7000
6800
6600
6400
6200
6000

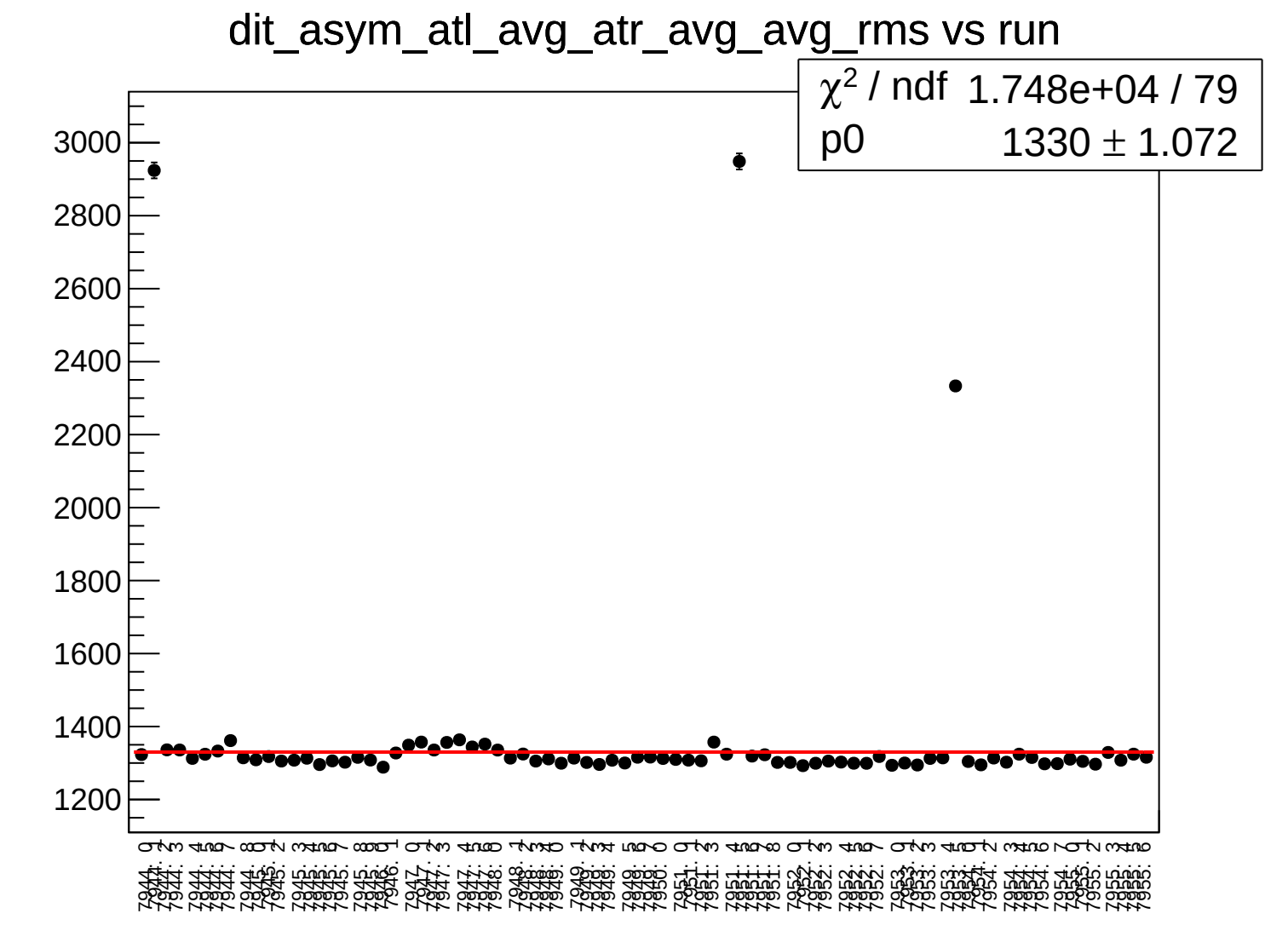

asym_atr_dd_mean vs run
×10^3
χ² / ndf 88.75 / 79
p0 −3042 ± 7660
pull
Entries 80
Mean −120.4
Std Dev 157.2

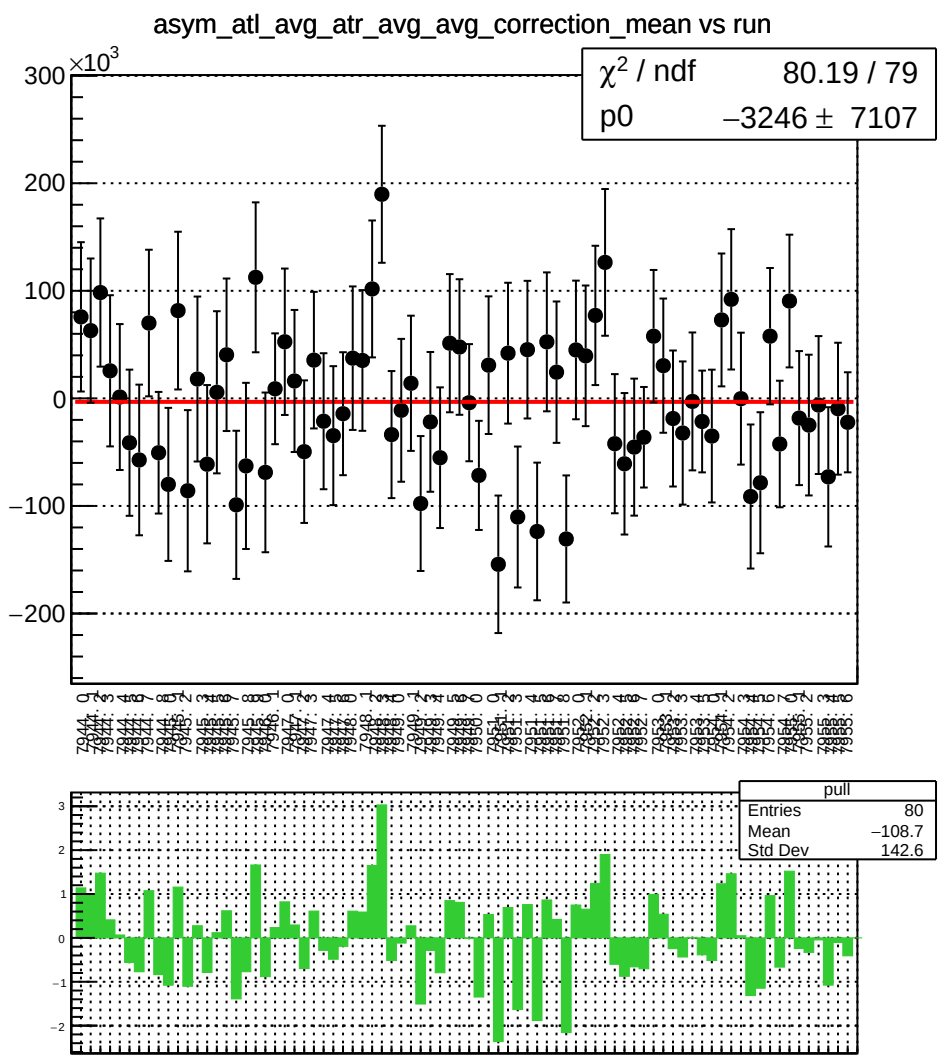

pull1D
Entries 80
Mean 0.01633
Std Dev 1.053

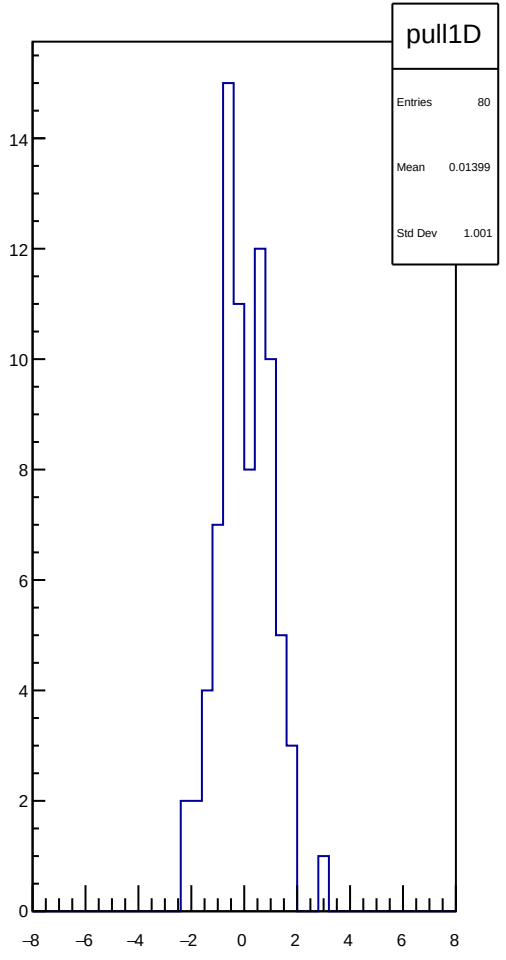

asym_atr_dd_rms vs run
χ² / ndf 3402 / 79
p0 6754 ± 5.417
8500
8000
7500
7000
6500

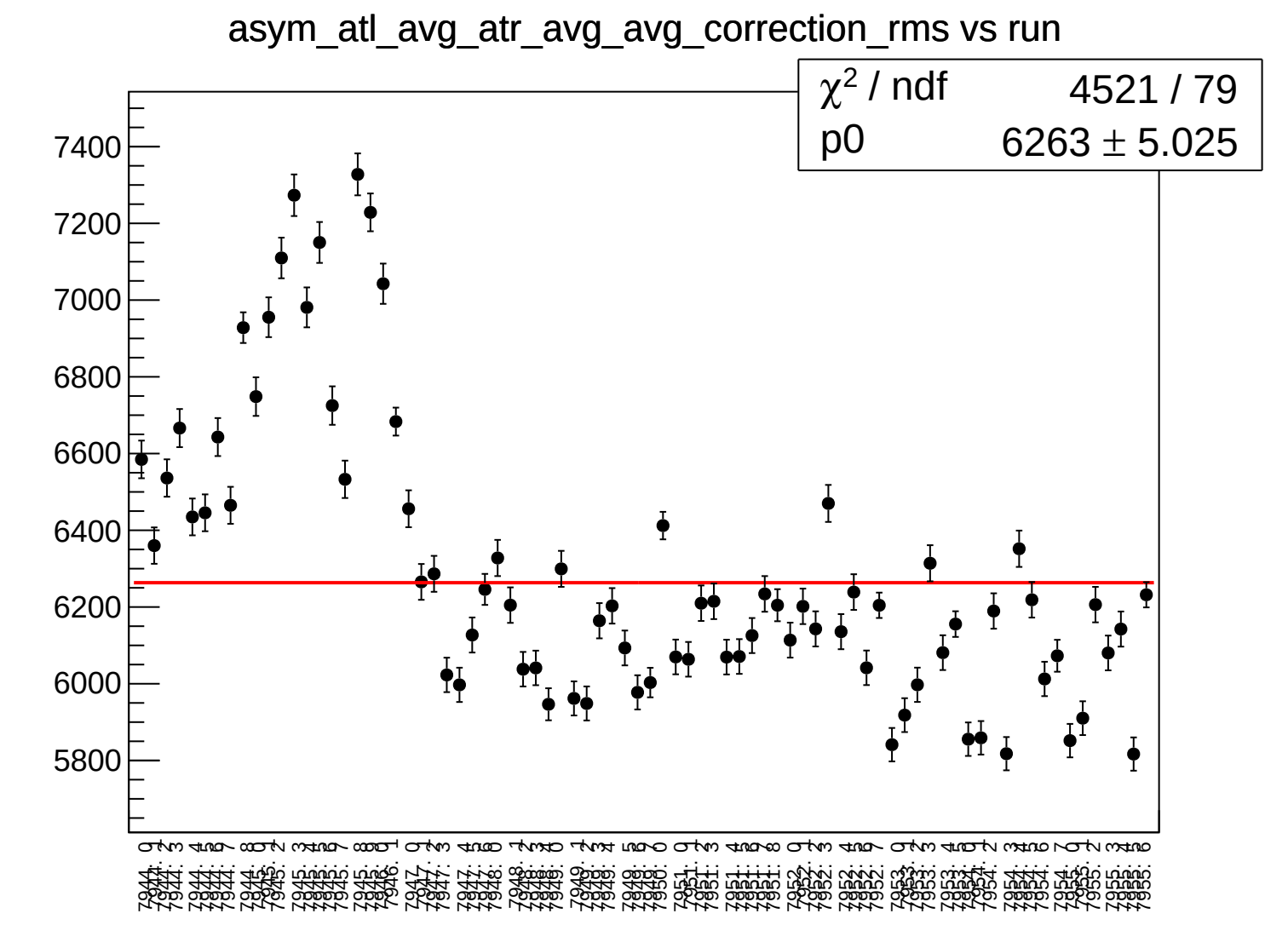

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 90.52 / 79
p0 1623 ± 1515
pull
Entries 80
Mean 73.38
Std Dev 34.62

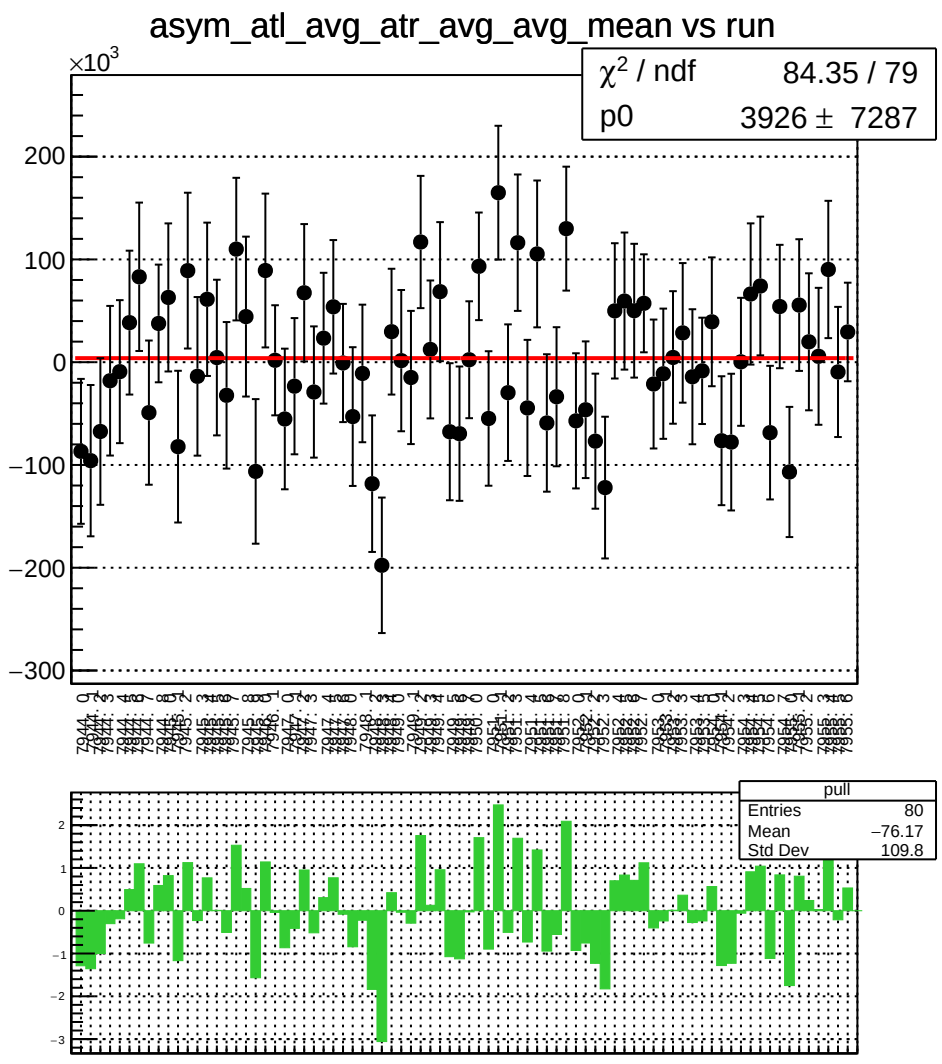

pull1D
Entries 80
Mean −0.03472
Std Dev 1.063

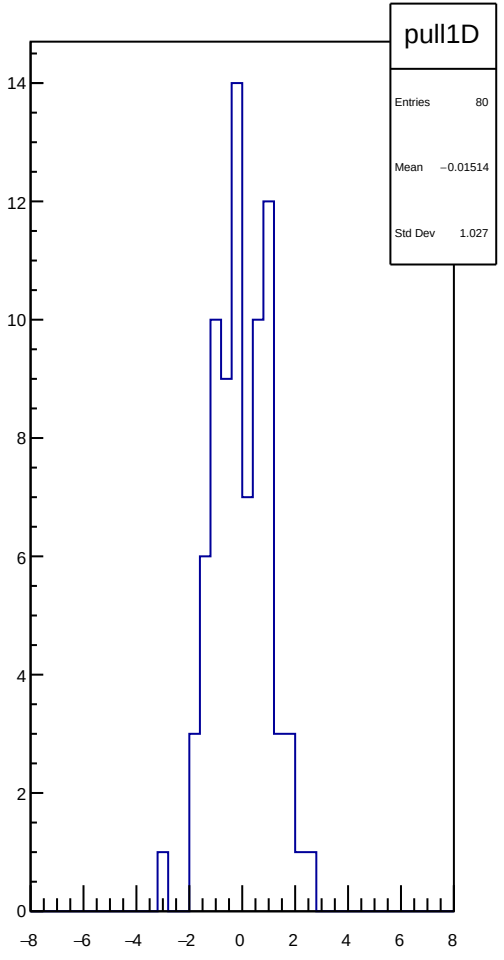

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.748e+04 / 79
p0 1330 ± 1.072
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

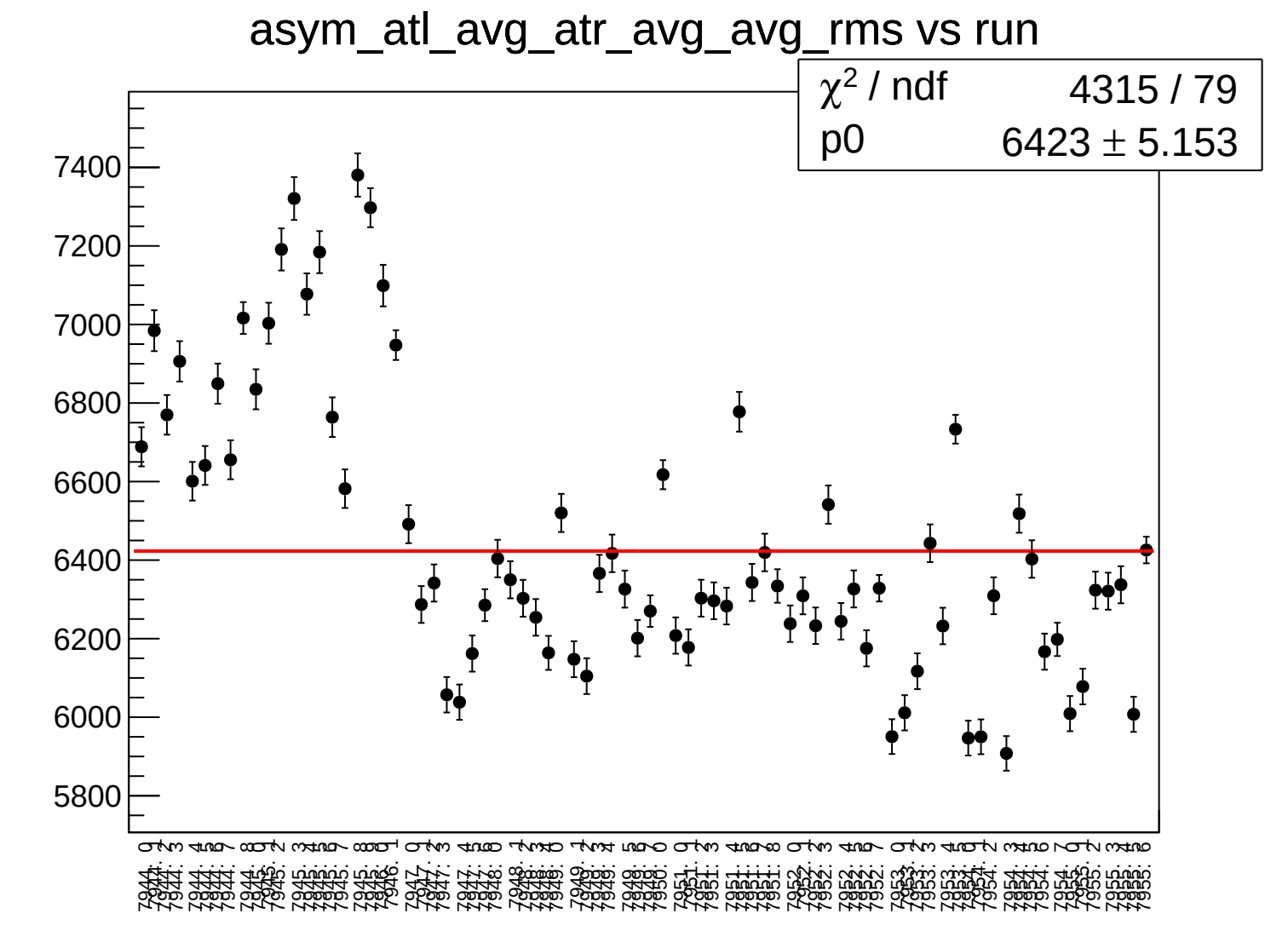

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ² / ndf 80.19 / 79
p0 −3246 ± 7107
×10³
300
200
100
0
−100
−200
pull
Entries 80
Mean −108.7
Std Dev 142.6
3
2
1
0
−1
−2

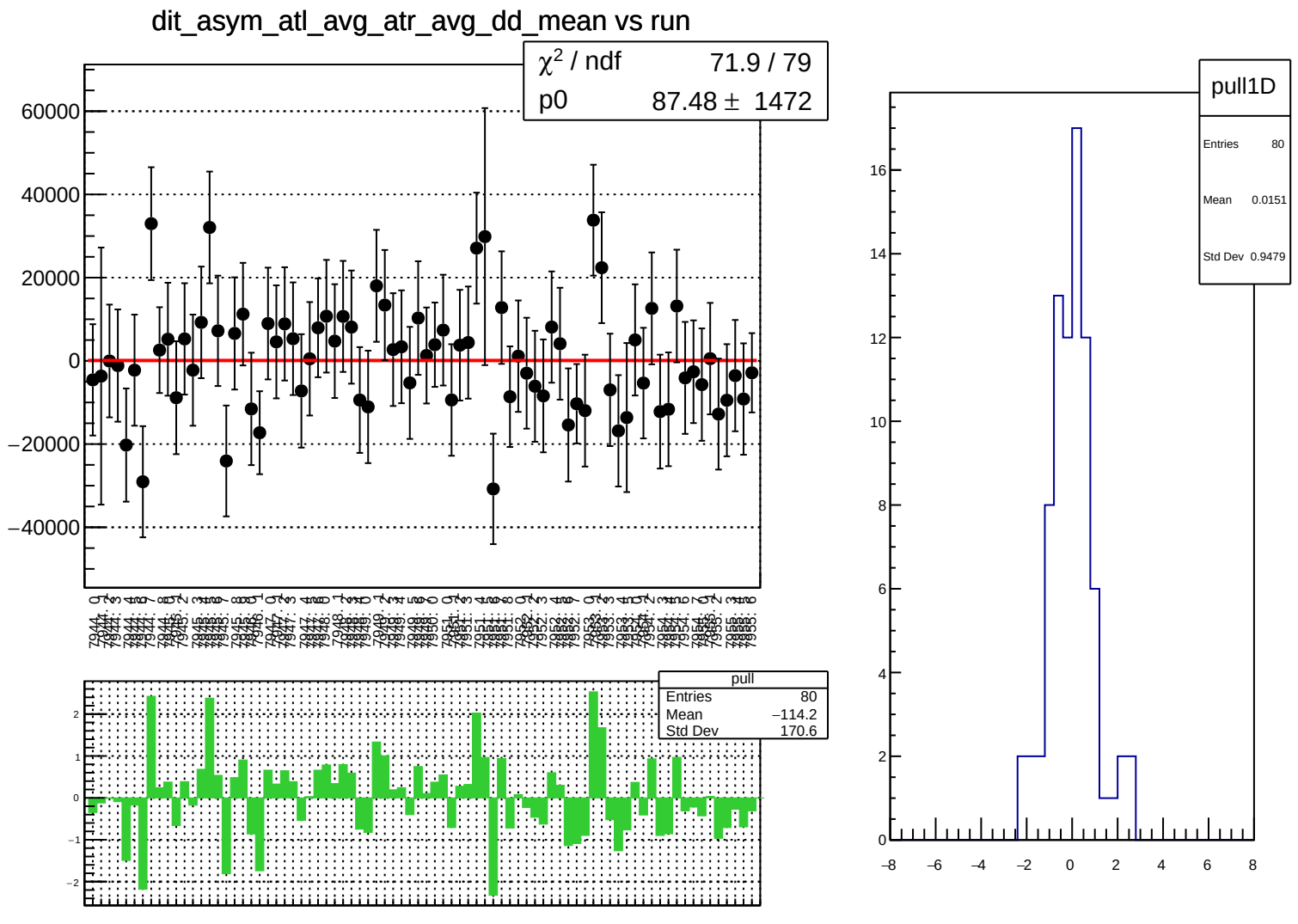

pull1D
Entries 80
Mean 0.01399
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

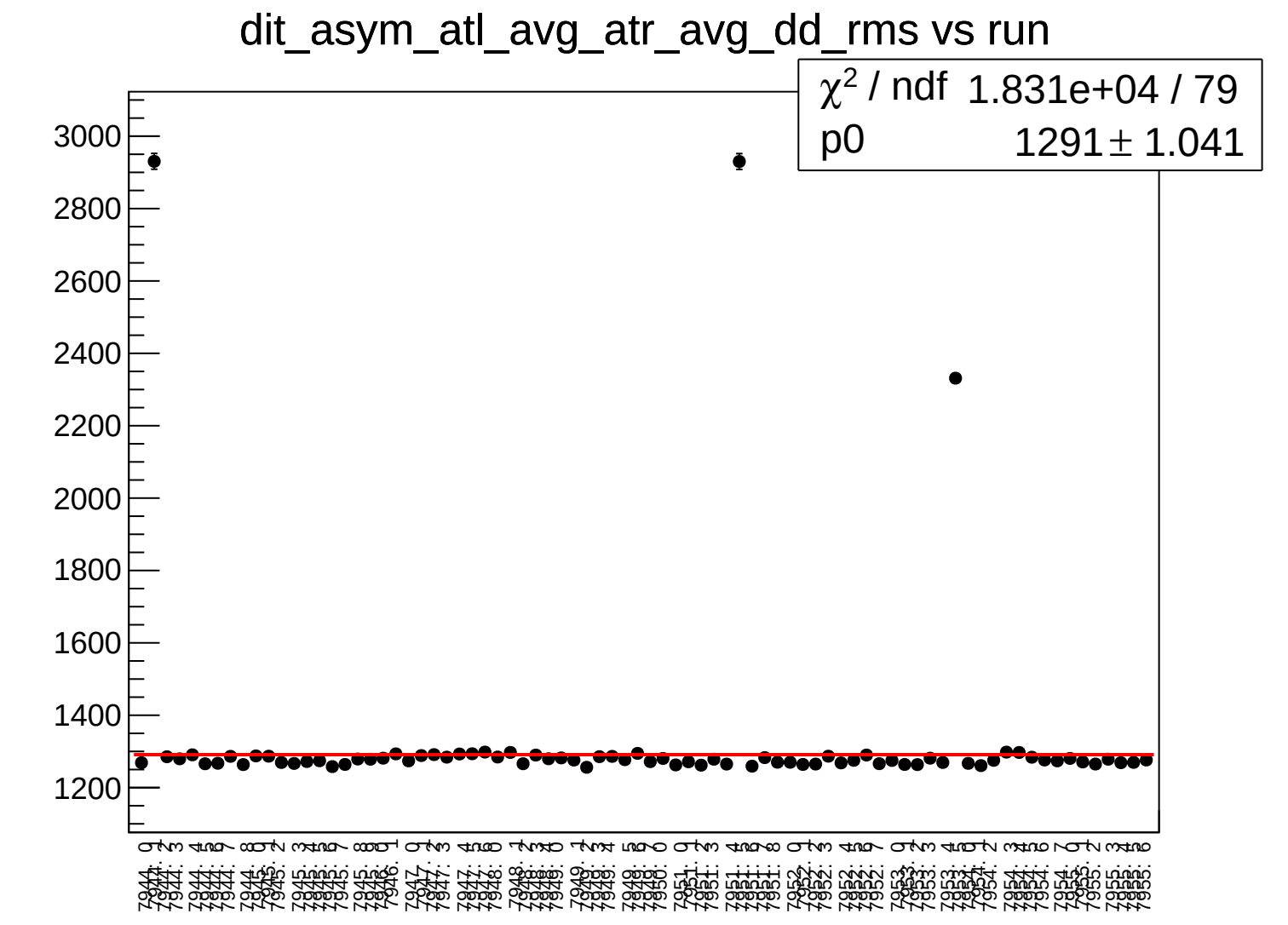

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 4521 / 79
p0 6263 ± 5.025
7400
7200
7000
6800
6600
6400
6200
6000
5800

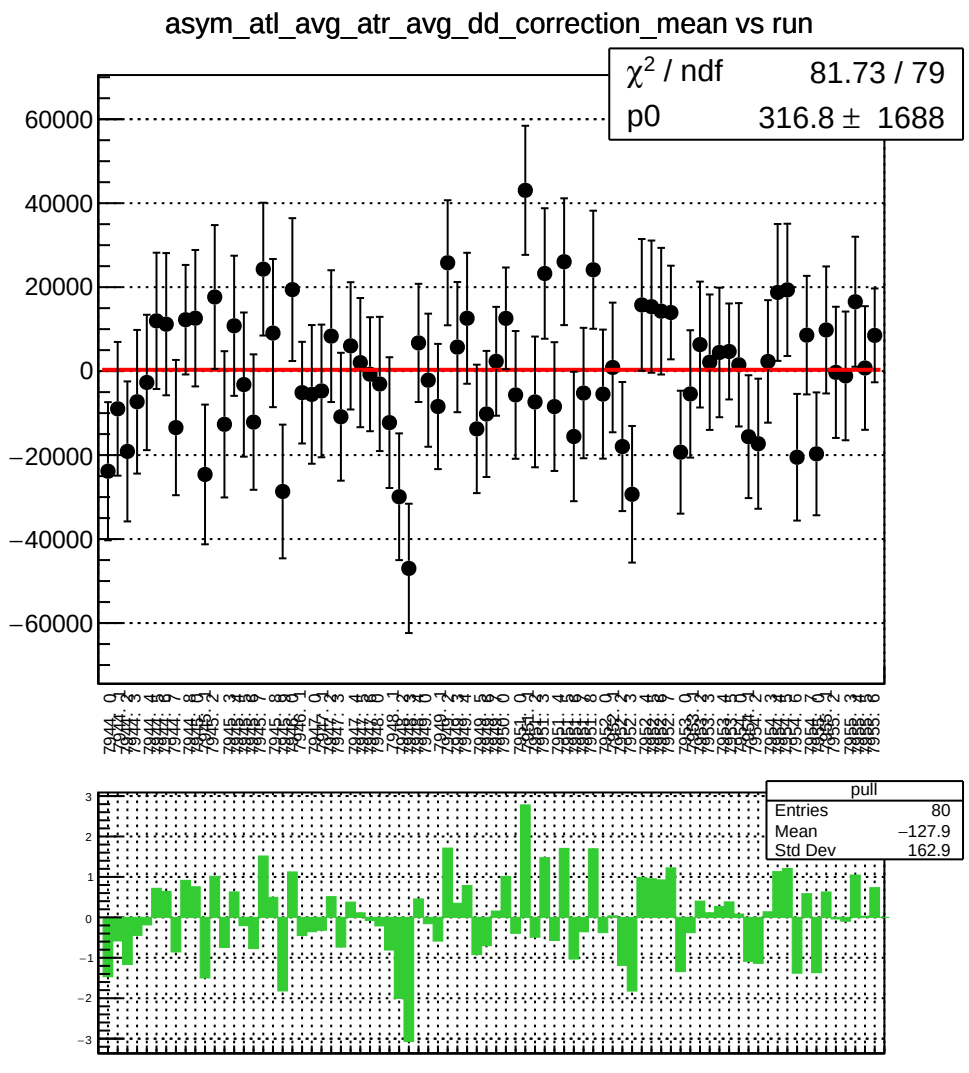

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 84.35 / 79
p0 3926 ± 7287
200
100
0
−100
−200
−300
pull
Entries 80
Mean −76.17
Std Dev 109.8
2
1
0
−1
−2
−3

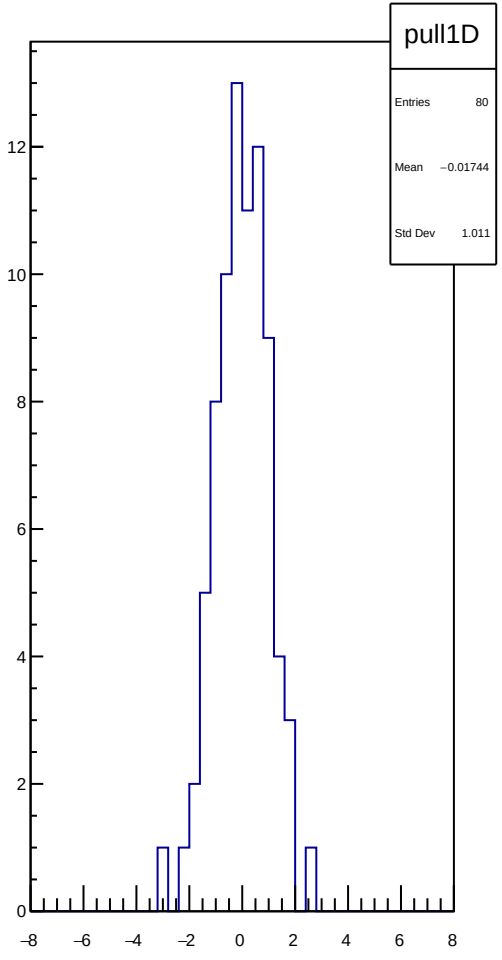

pull1D
Entries 80
Mean −0.01514
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

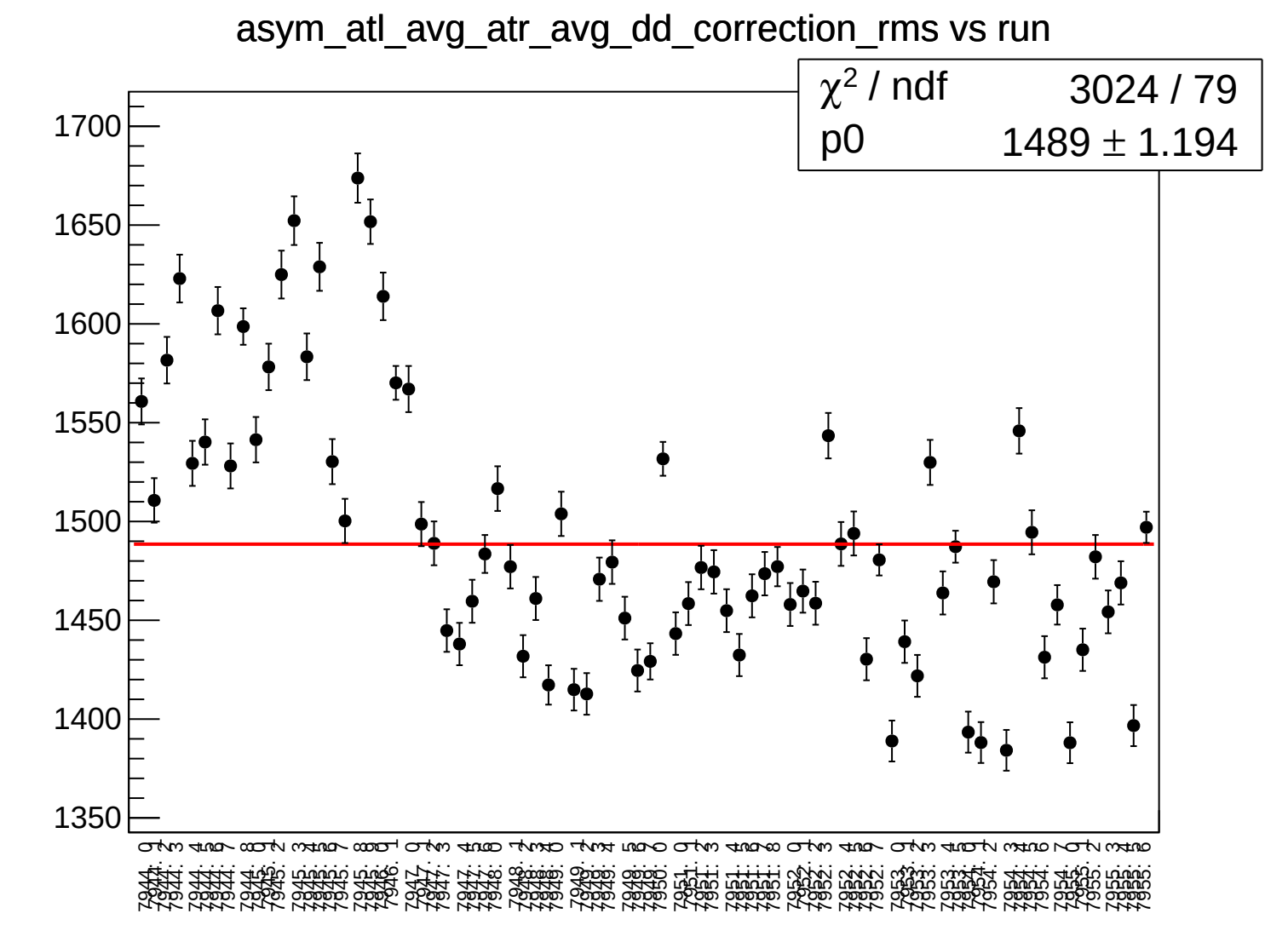

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4315 / 79
p0 6423 ± 5.153
7400
7200
7000
6800
6600
6400
6200
6000
5800

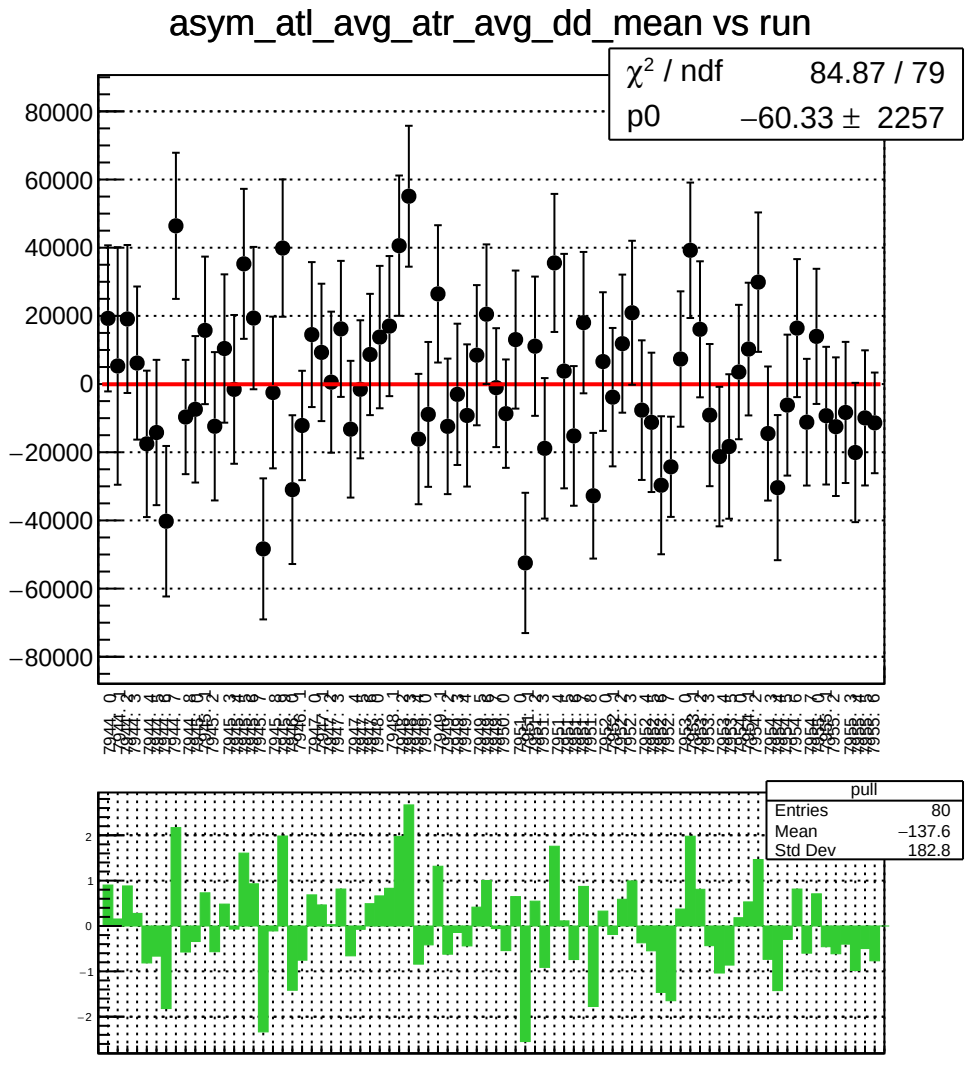

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 71.9 / 79
p0 87.48 ± 1472
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −114.2
Std Dev 170.6
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.0151
Std Dev 0.9479
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

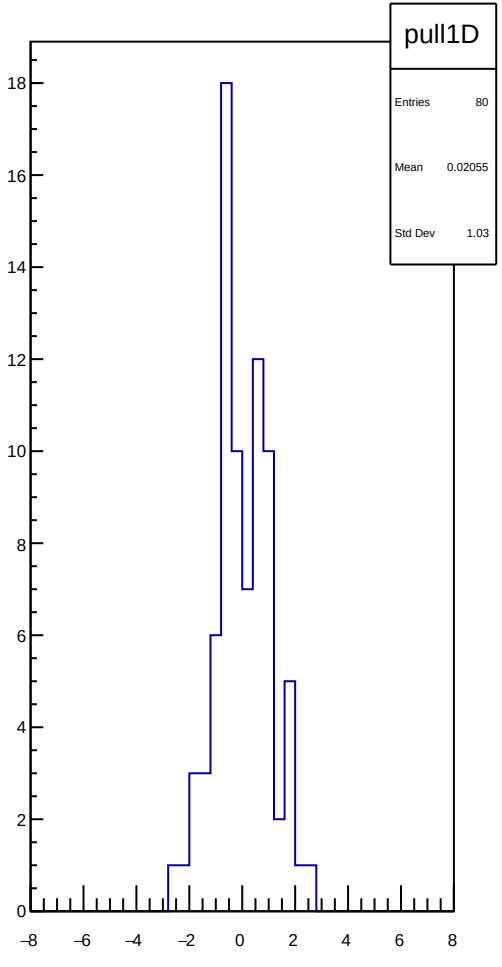

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.831e+04 / 79
p0 1291 ± 1.041
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

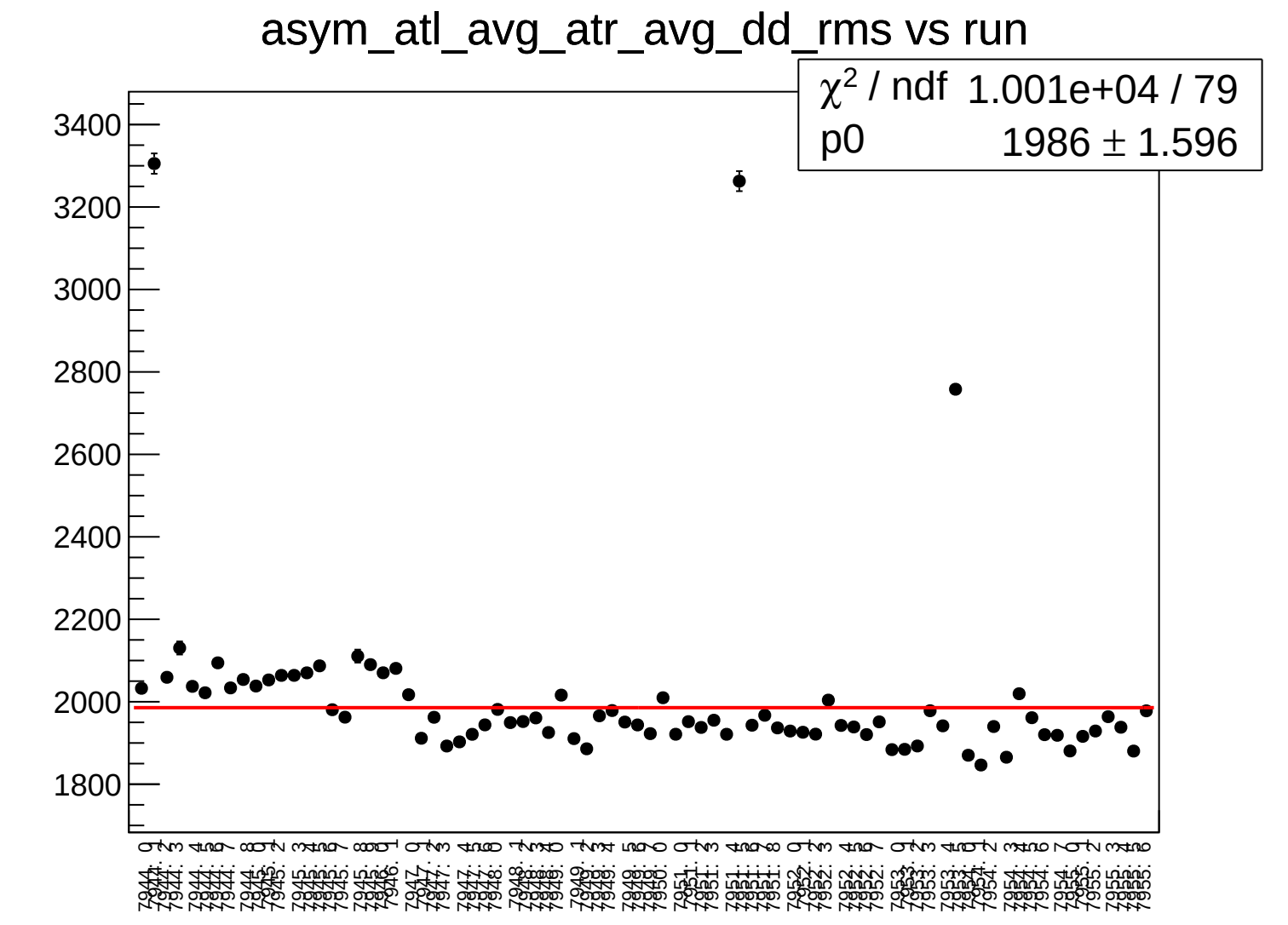

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 81.73 / 79
p0 316.8 ± 1688
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −127.9
Std Dev 162.9
3
2
1
0
−1
−2
−3

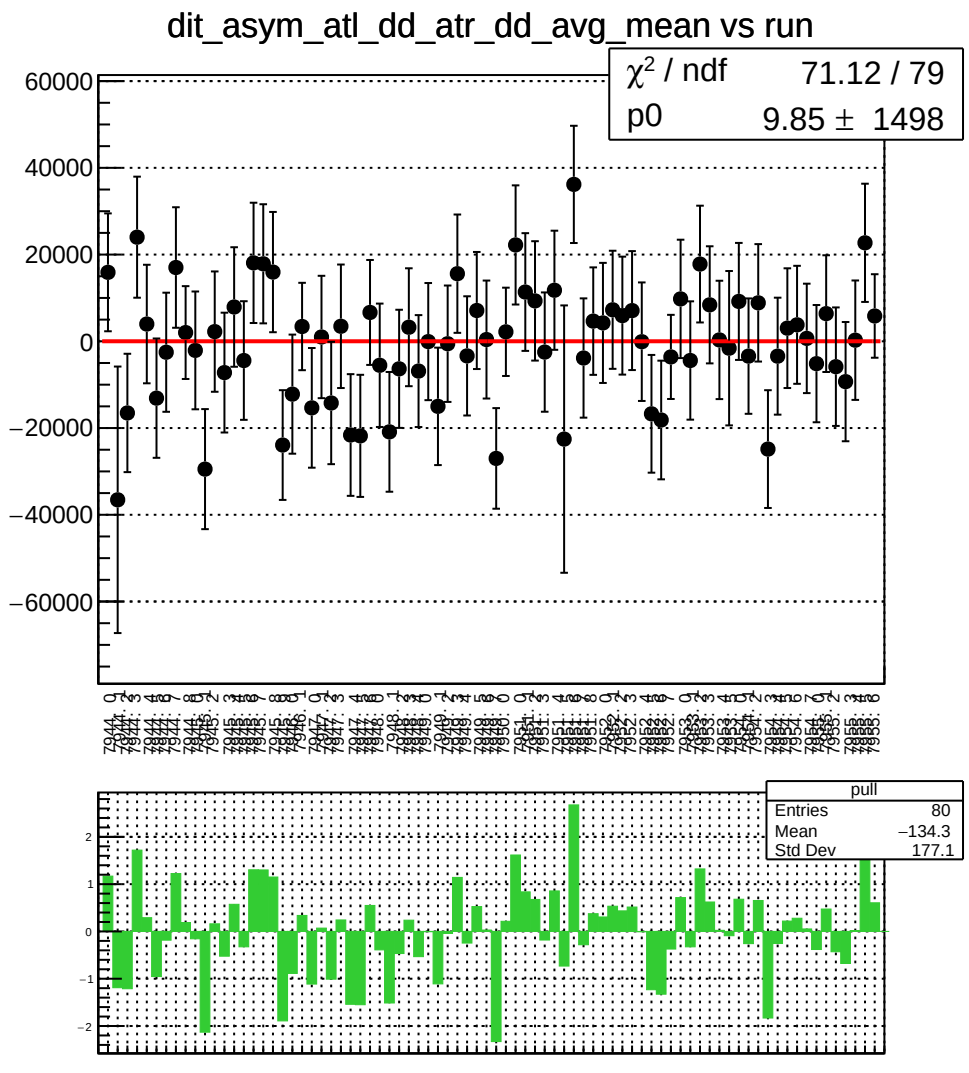

pull1D
Entries 80
Mean −0.01744
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

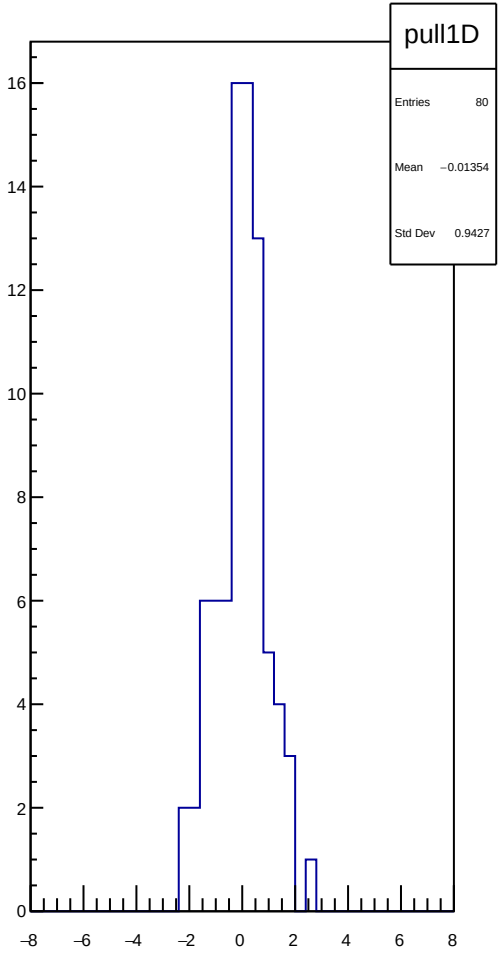

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3024 / 79
p0 1489 ± 1.194
1700
1650
1600
1550
1500
1450
1400
1350

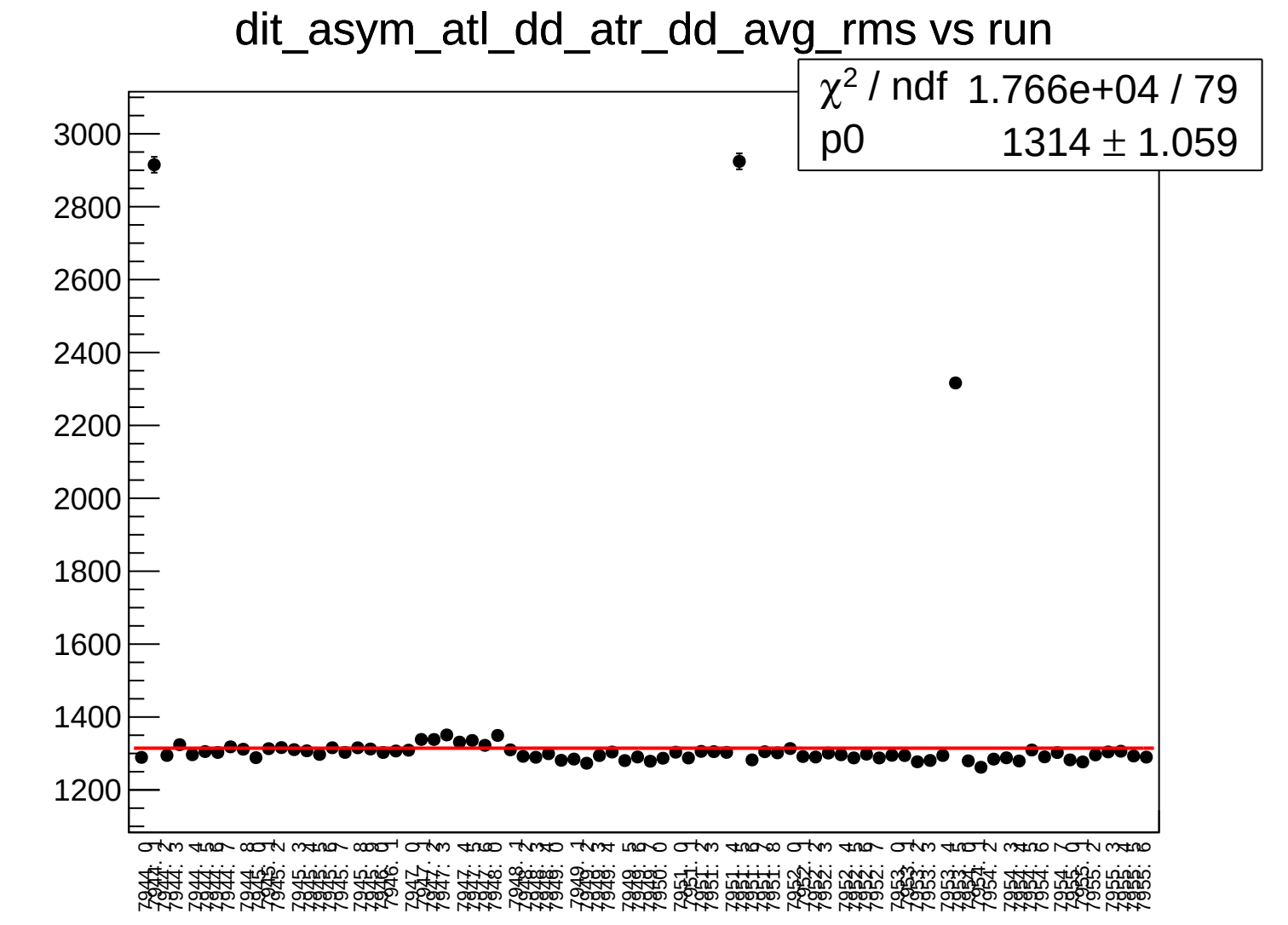

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 84.87 / 79
p0 −60.33 ± 2257
pull
Entries 80
Mean −137.6
Std Dev 182.8

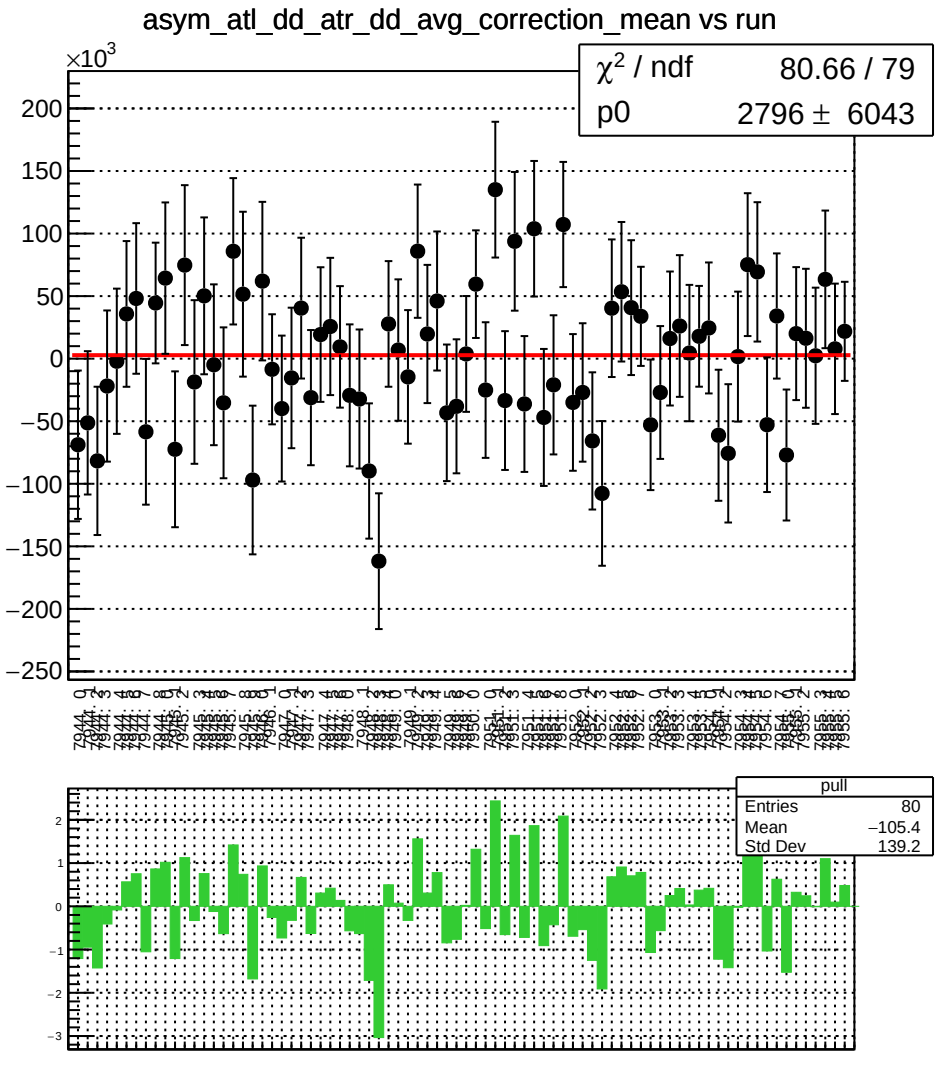

pull1D
Entries 80
Mean 0.02055
Std Dev 1.03

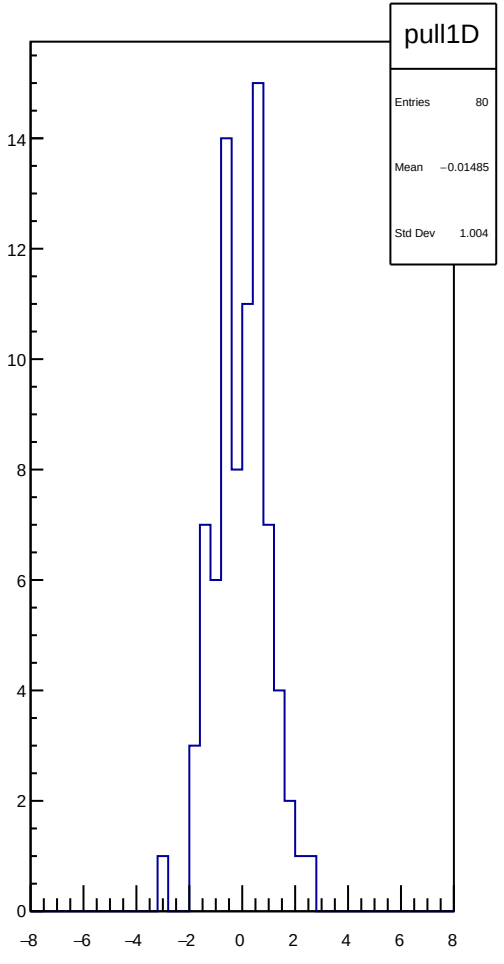

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.001e+04 / 79
p0 1986 ± 1.596
3400
3200
3000
2800
2600
2400
2200
2000
1800

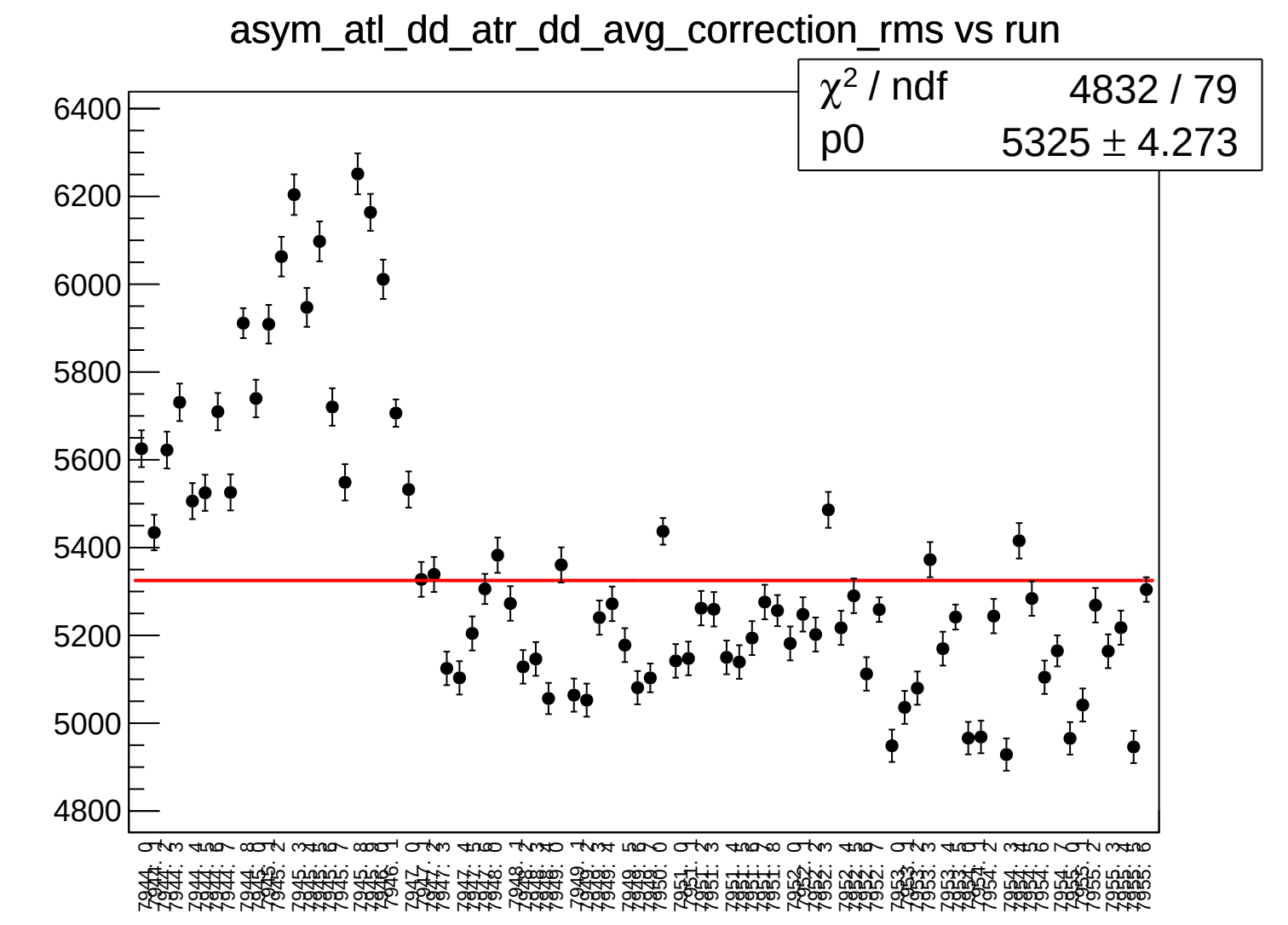

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 71.12 / 79
p0 9.85 ± 1498
pull
Entries 80
Mean −134.3
Std Dev 177.1

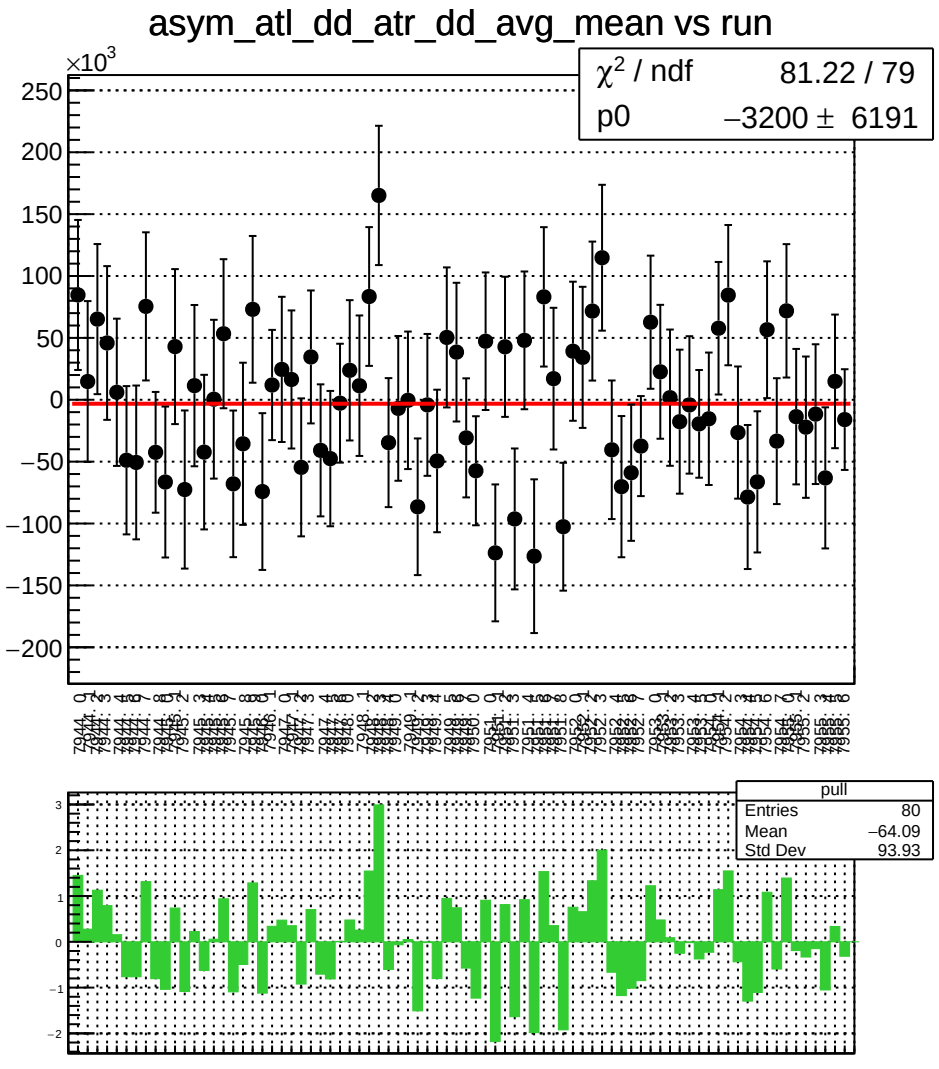

pull1D
Entries 80
Mean −0.01354
Std Dev 0.9427

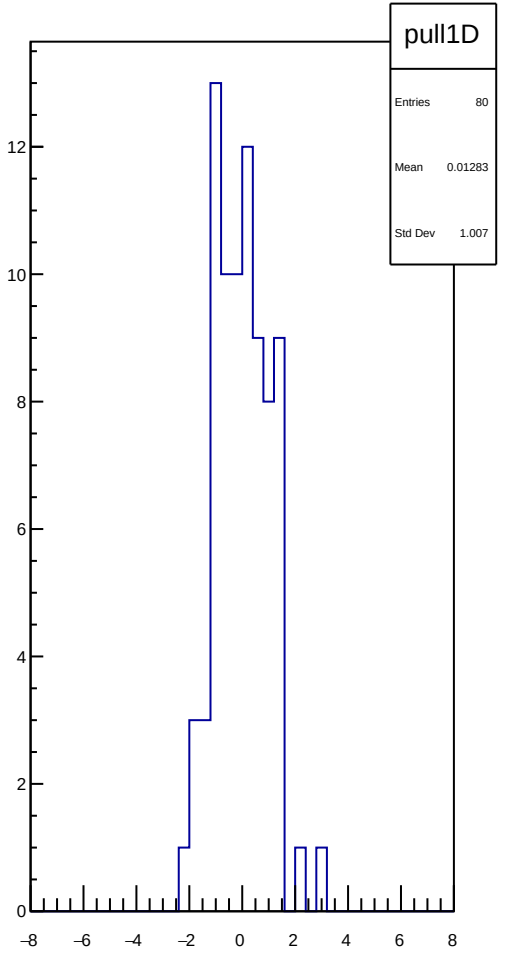

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1.766e+04 / 79
p0 1314 ± 1.059
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

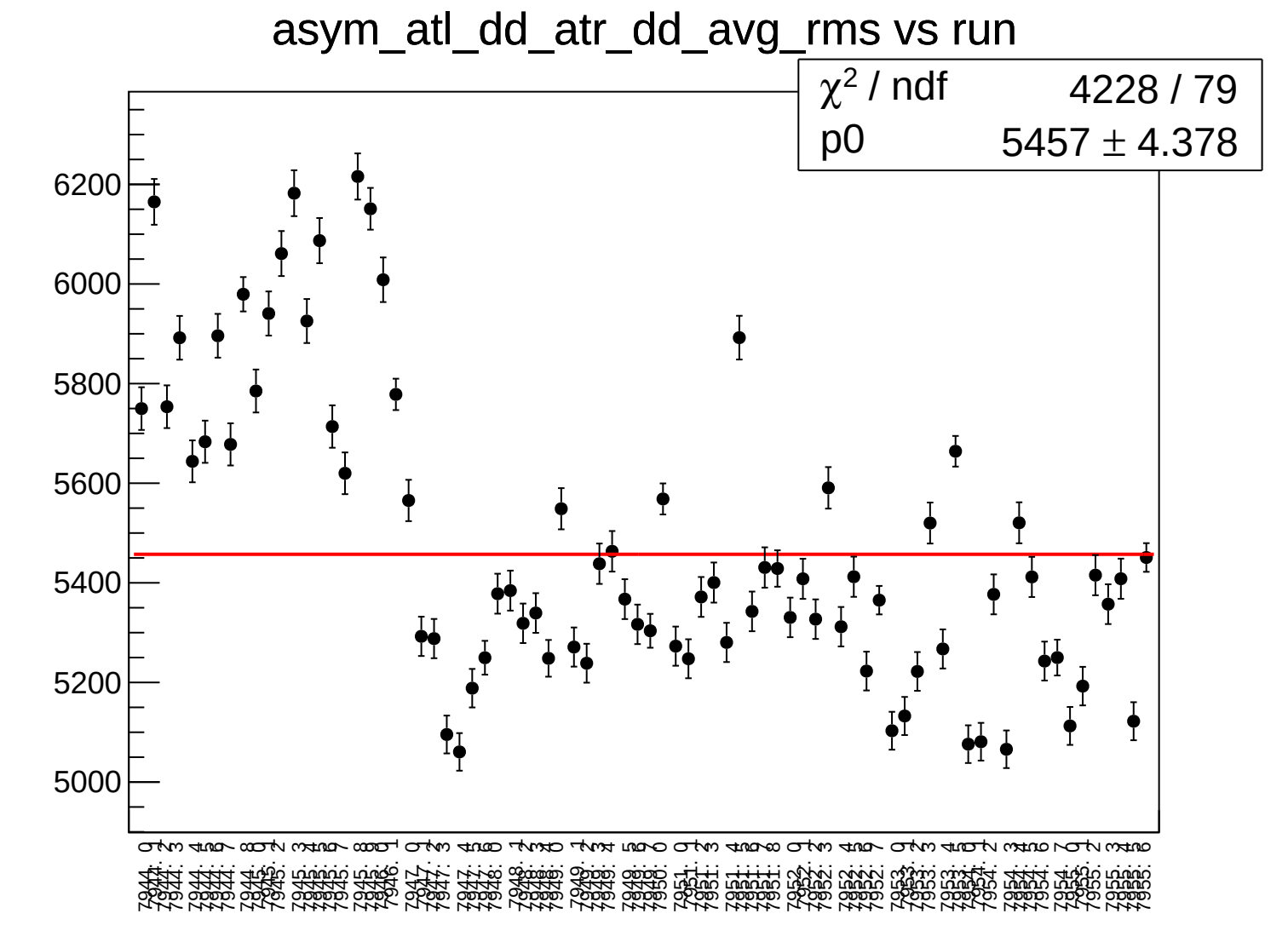

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 80.66 / 79
p0 2796 ± 6043
pull
Entries 80
Mean −105.4
Std Dev 139.2

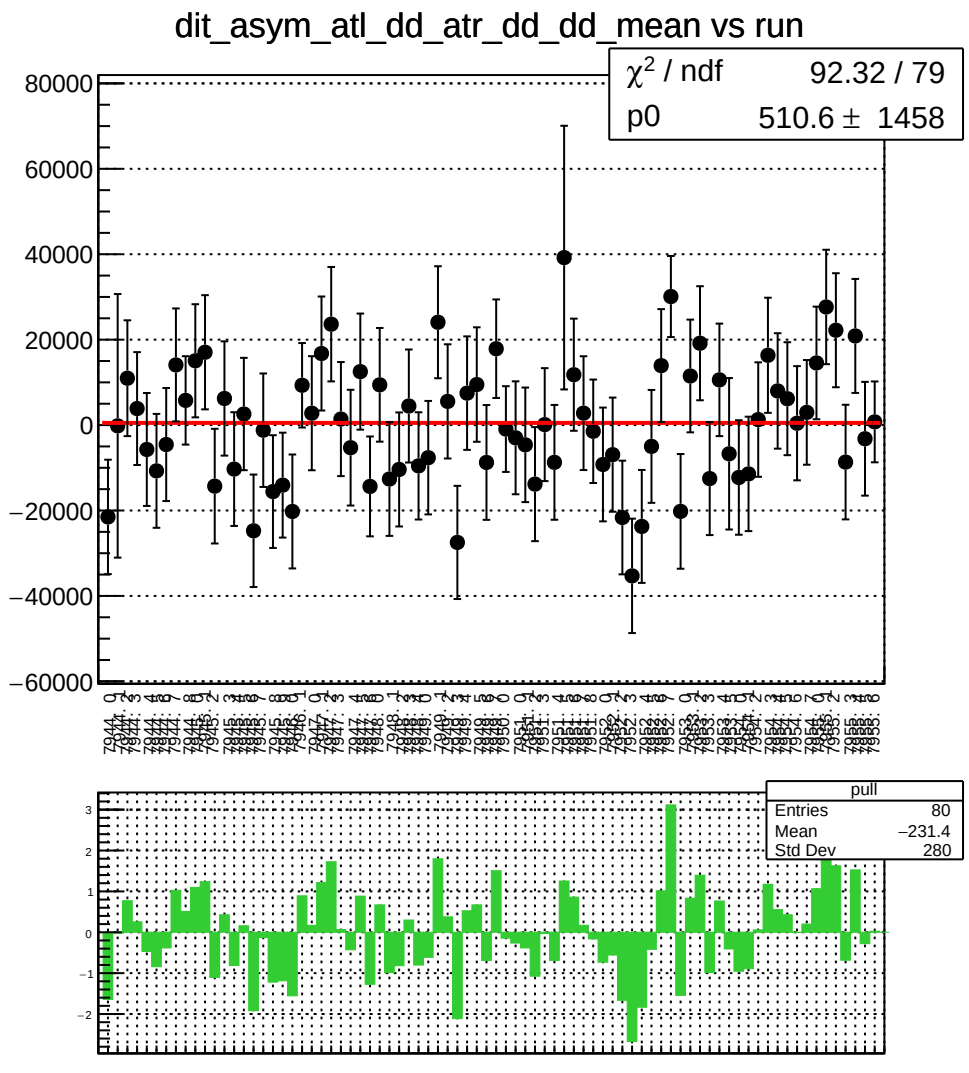

pull1D
Entries 80
Mean −0.01485
Std Dev 1.004

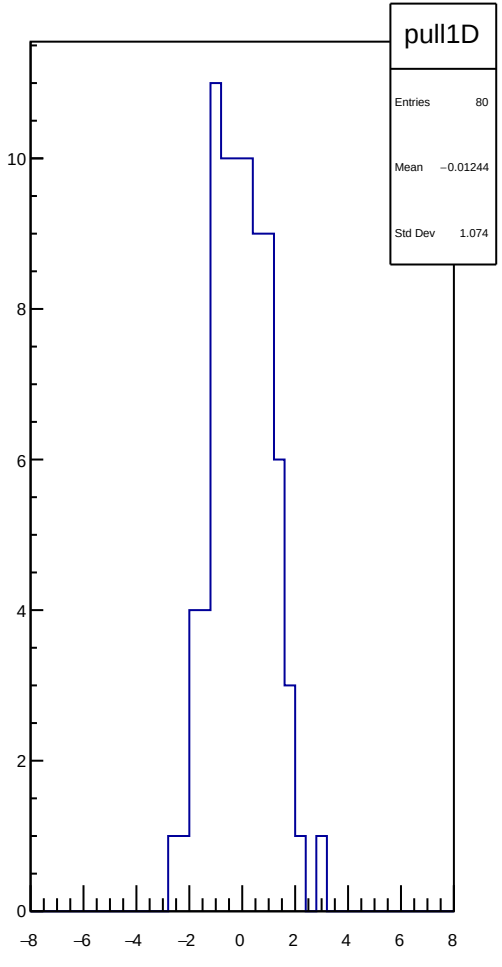

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 4832 / 79
p0 5325 ± 4.273
6400
6200
6000
5800
5600
5400
5200
5000
4800

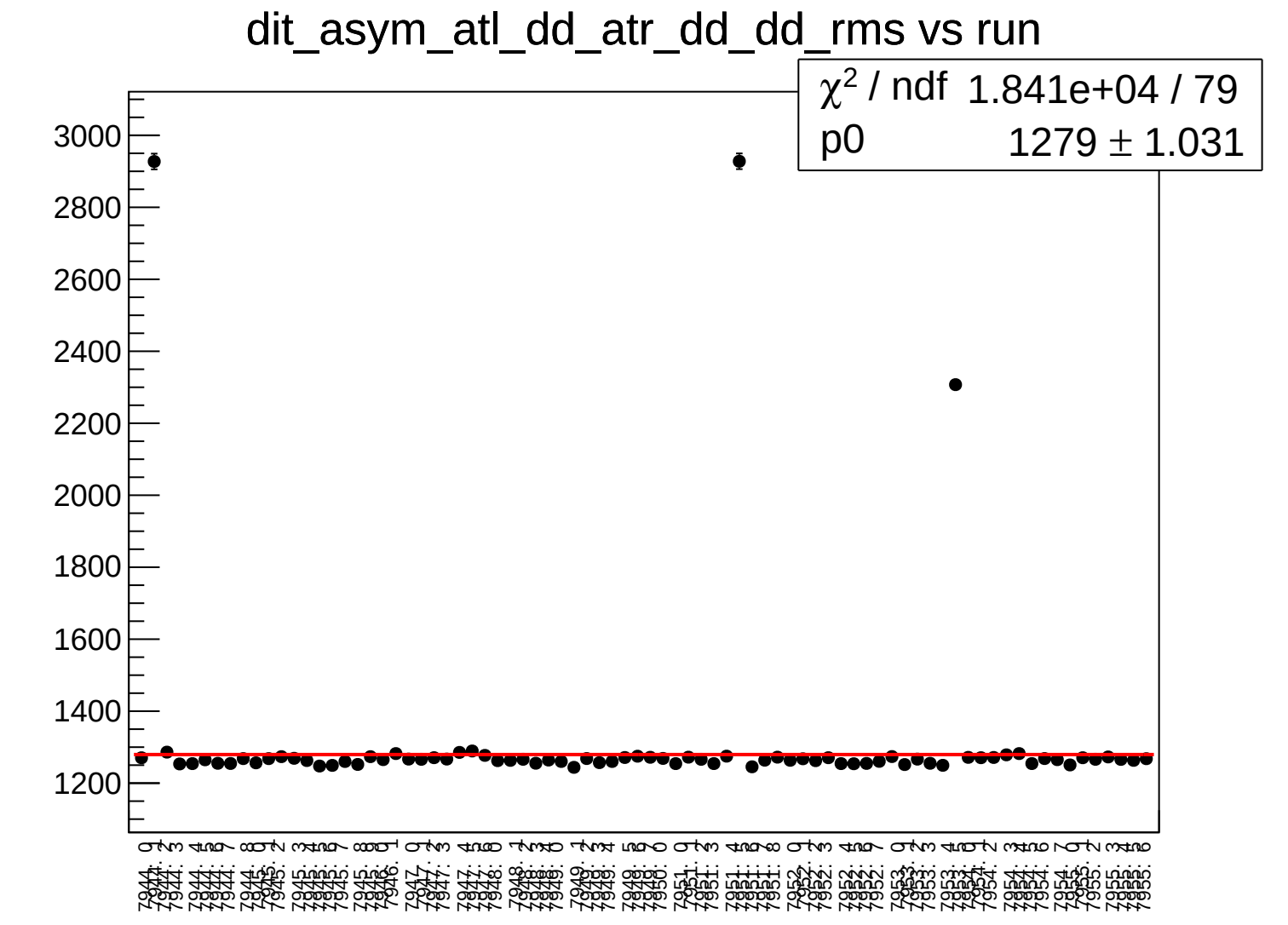

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 81.22 / 79
p0 −3200 ± 6191
pull
Entries 80
Mean −64.09
Std Dev 93.93

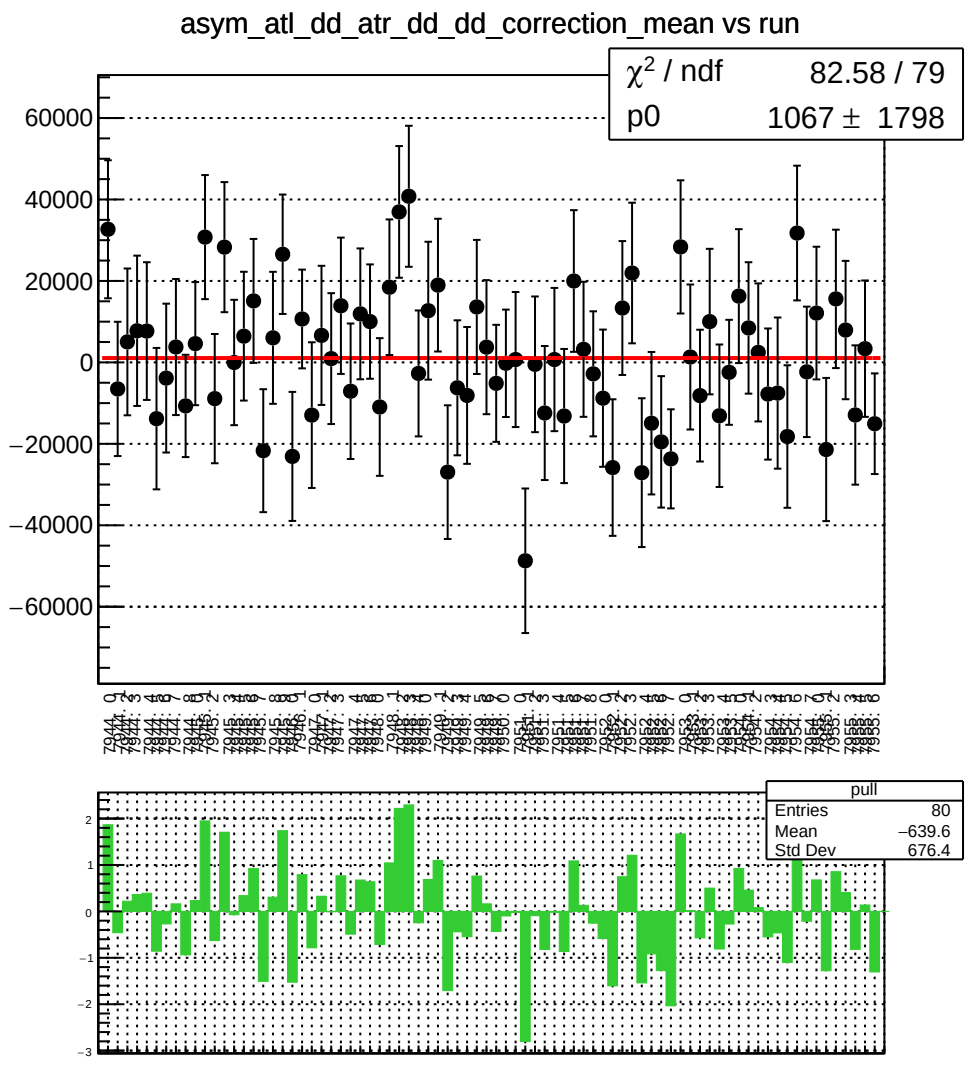

pull1D
Entries 80
Mean 0.01283
Std Dev 1.007

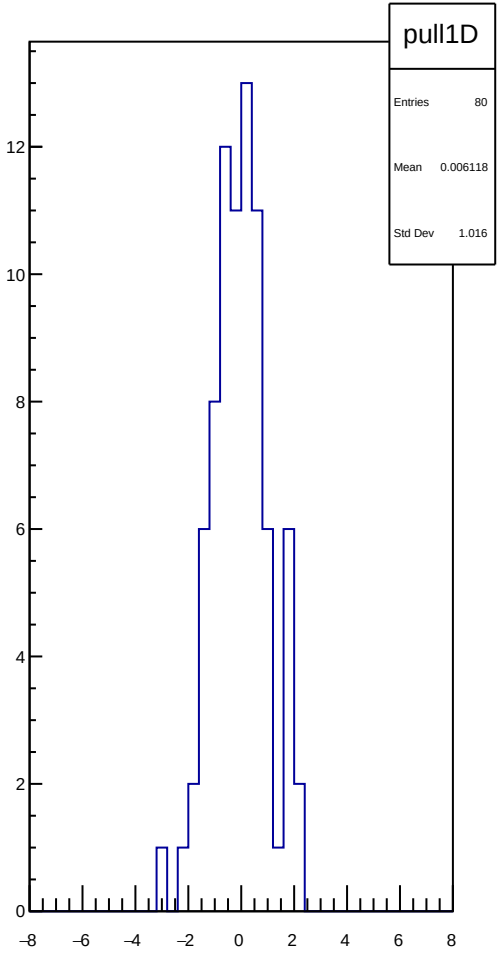

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4228 / 79
p0 5457 ± 4.378
6200
6000
5800
5600
5400
5200
5000

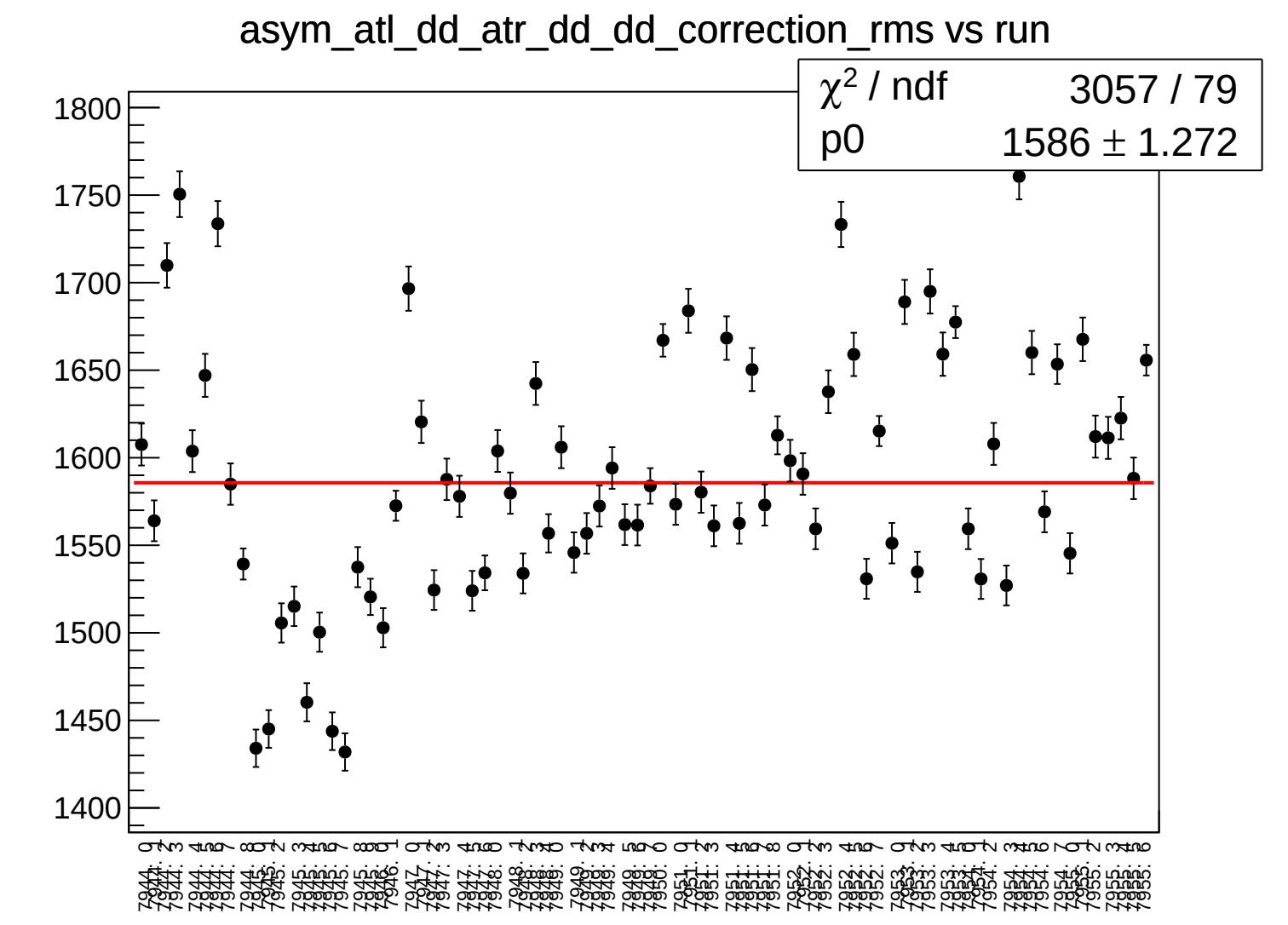

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 92.32 / 79
p0 510.6 ± 1458
pull
Entries 80
Mean −231.4
Std Dev 280

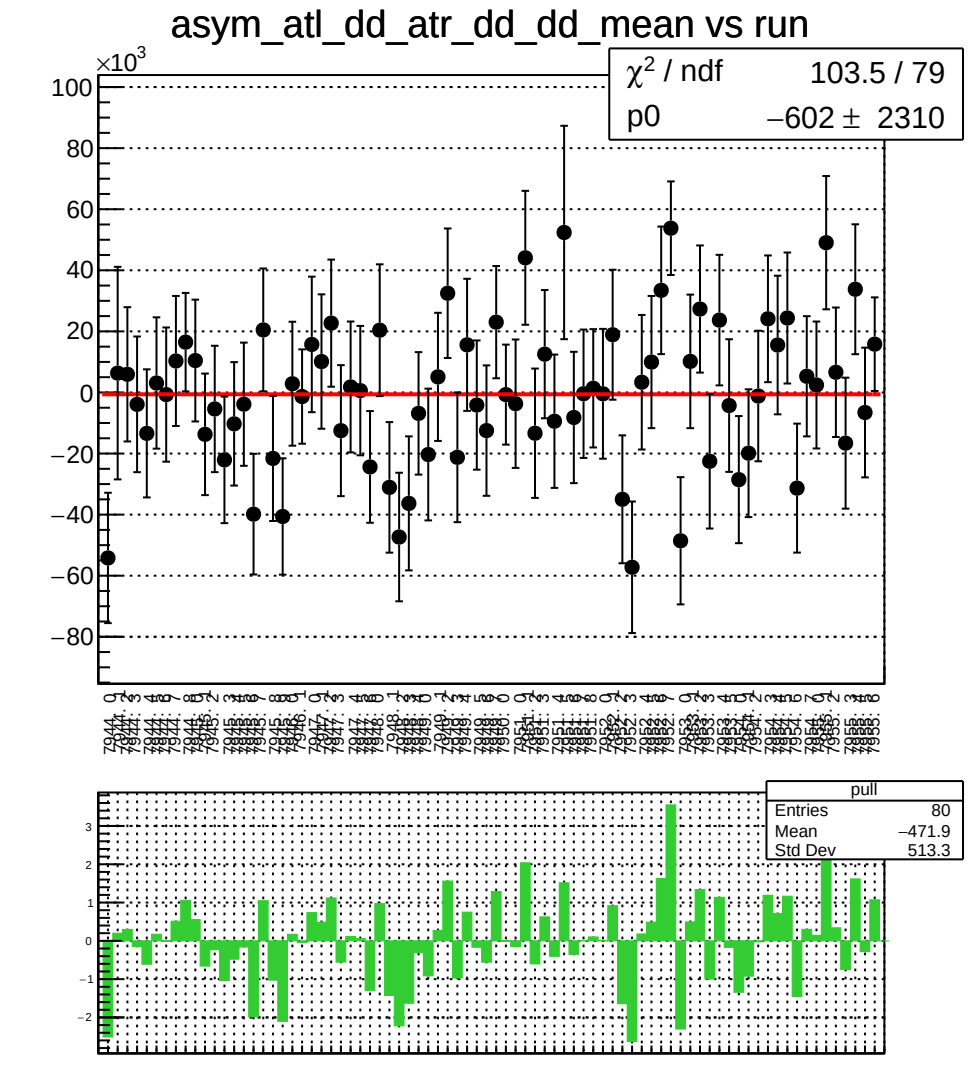

pull1D
Entries 80
Mean −0.01244
Std Dev 1.074

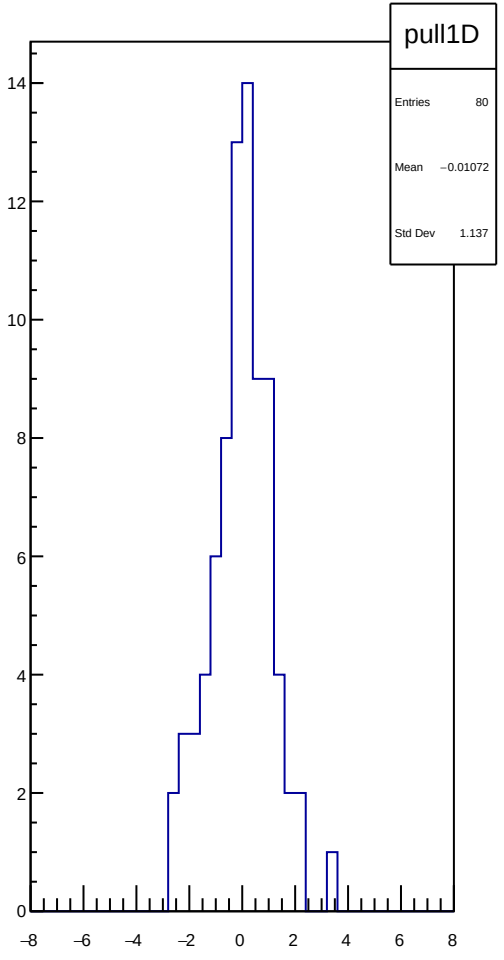

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.841e+04 / 79
p0 1279 ± 1.031
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

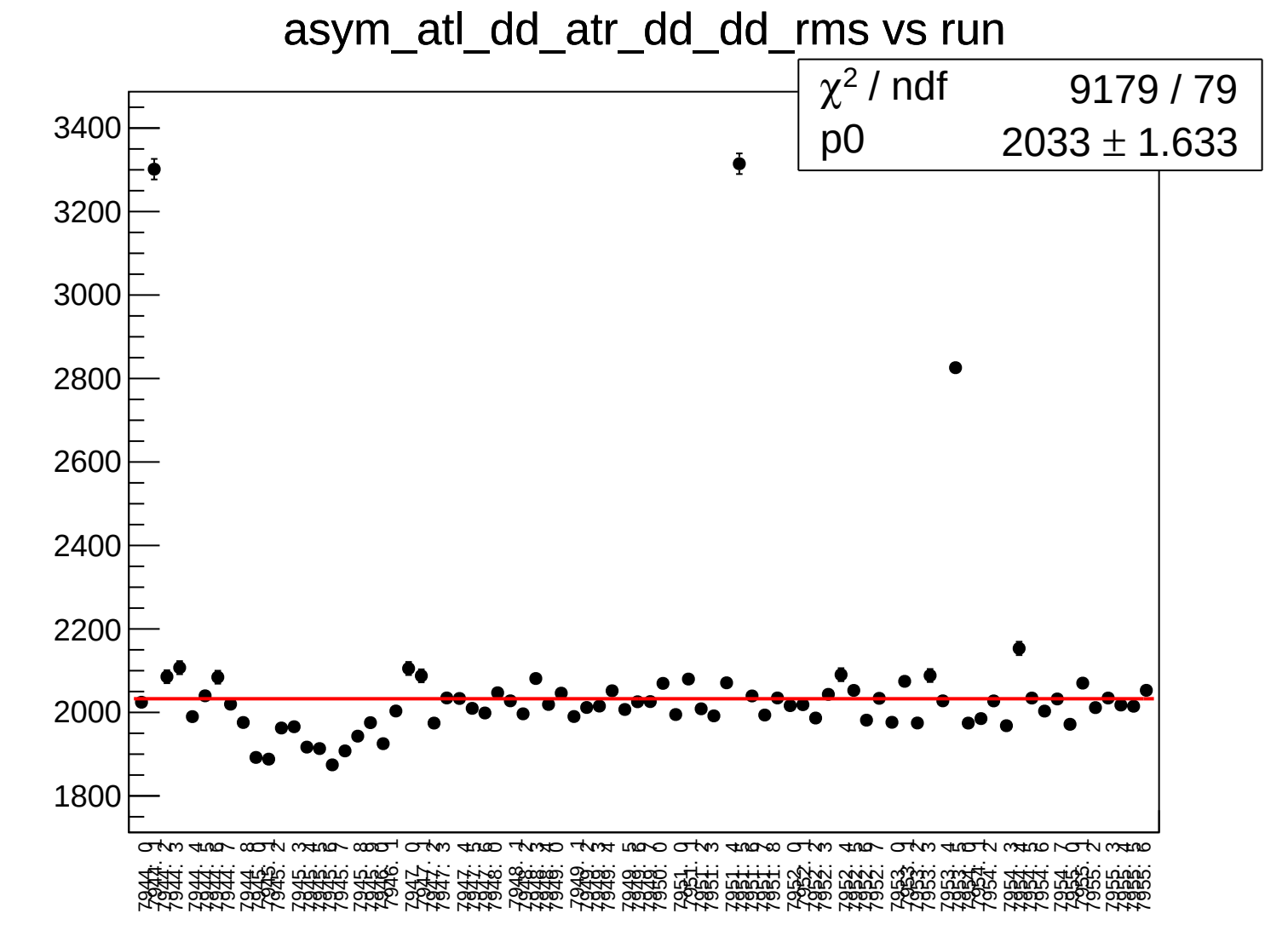

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 82.58 / 79
p0 1067 ± 1798
pull
Entries 80
Mean −639.6
Std Dev 676.4

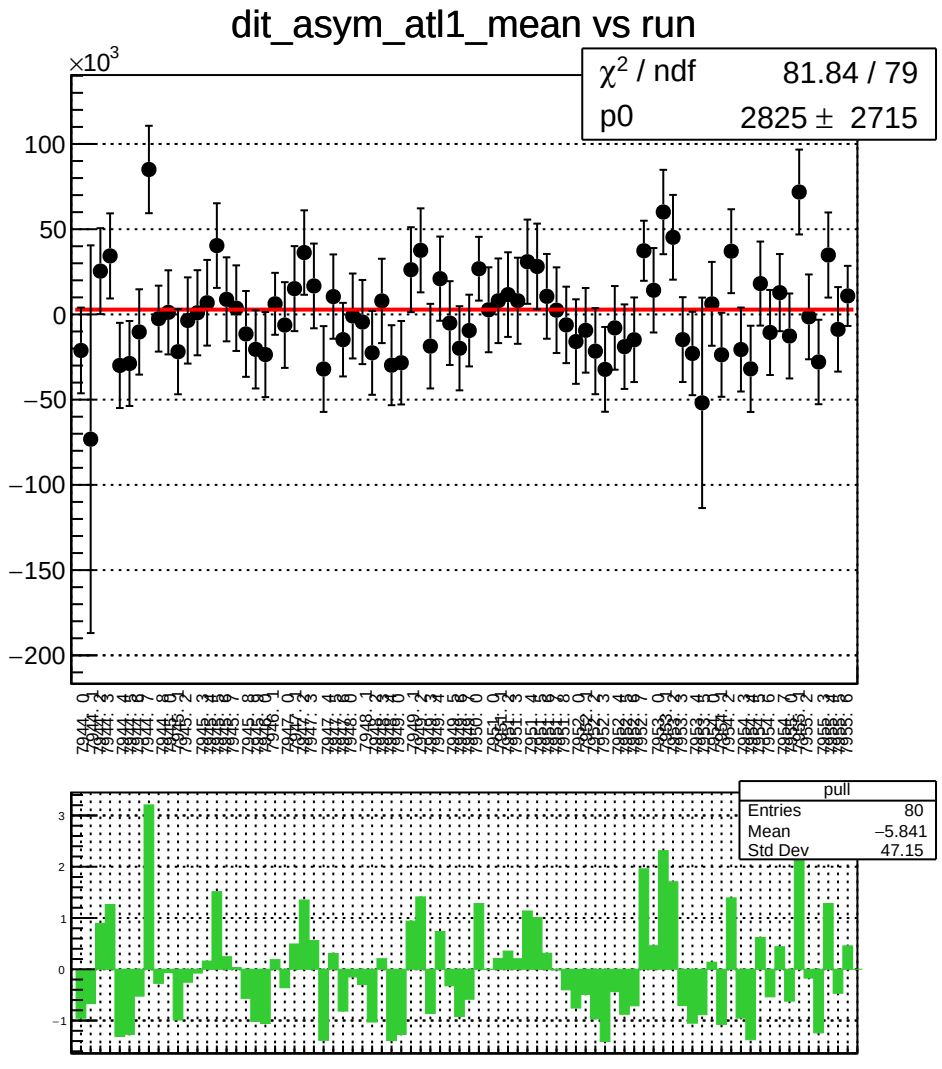

pull1D
Entries 80
Mean 0.006118
Std Dev 1.016

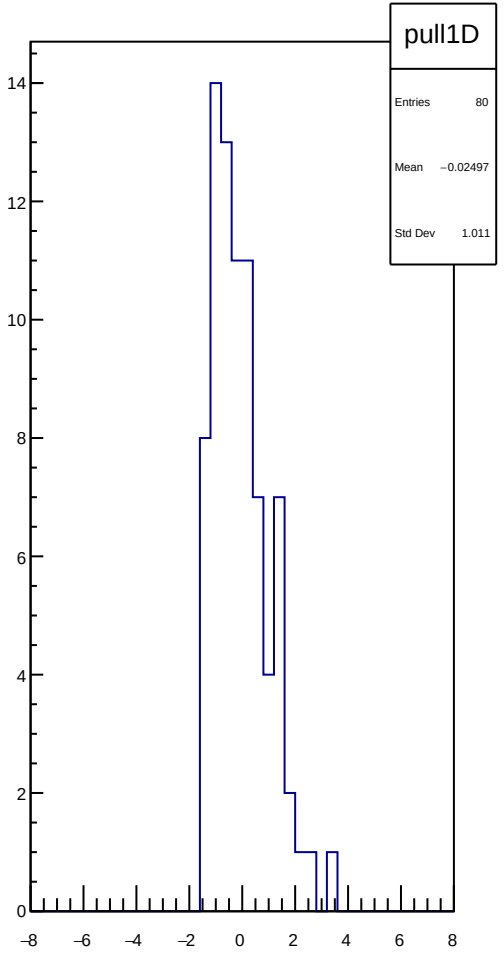

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3057 / 79
p0 1586 ± 1.272
1800
1750
1700
1650
1600
1550
1500
1450
1400

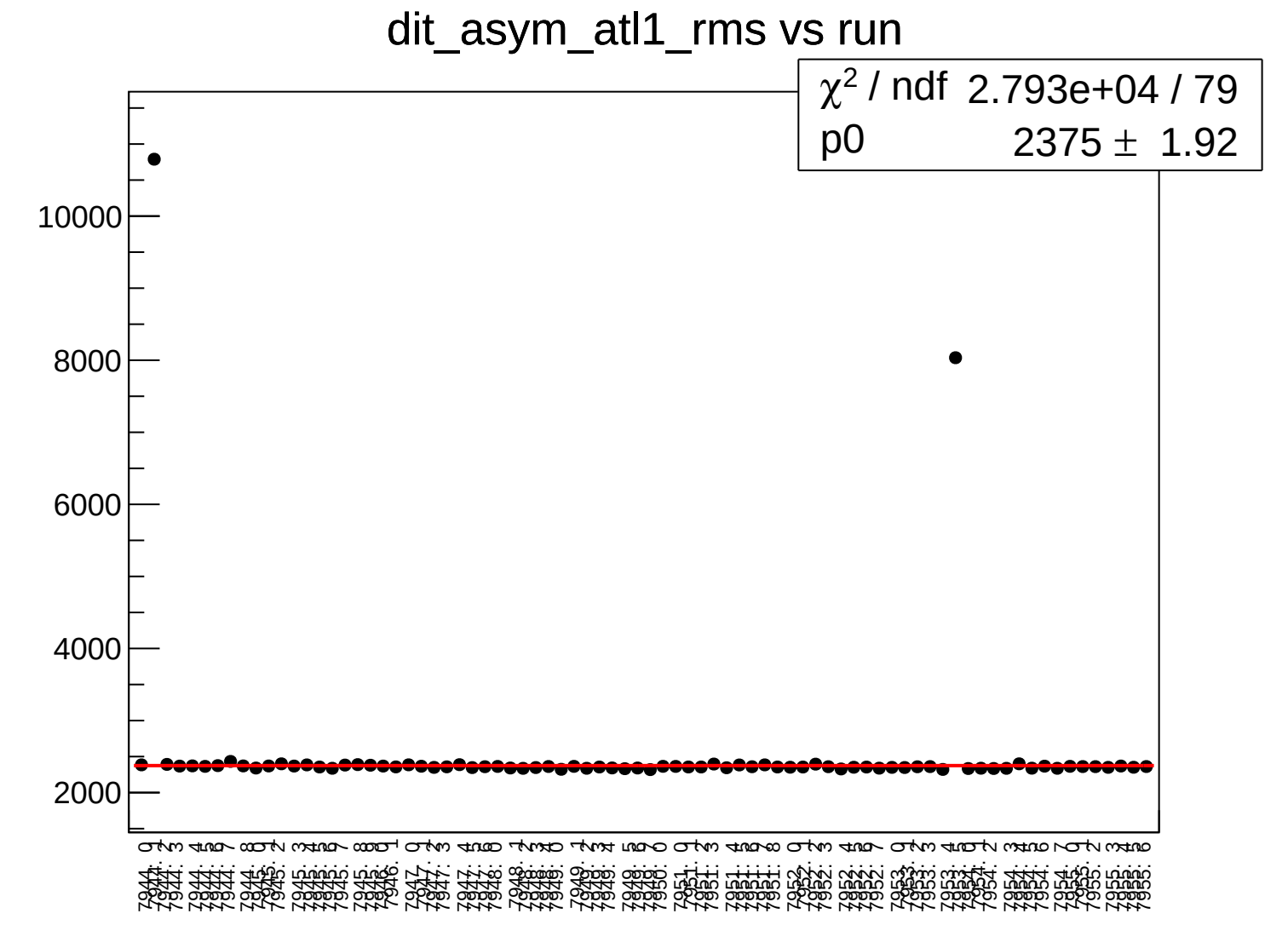

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 103.5 / 79
p0 −602 ± 2310
pull
Entries 80
Mean −471.9
Std Dev 513.3

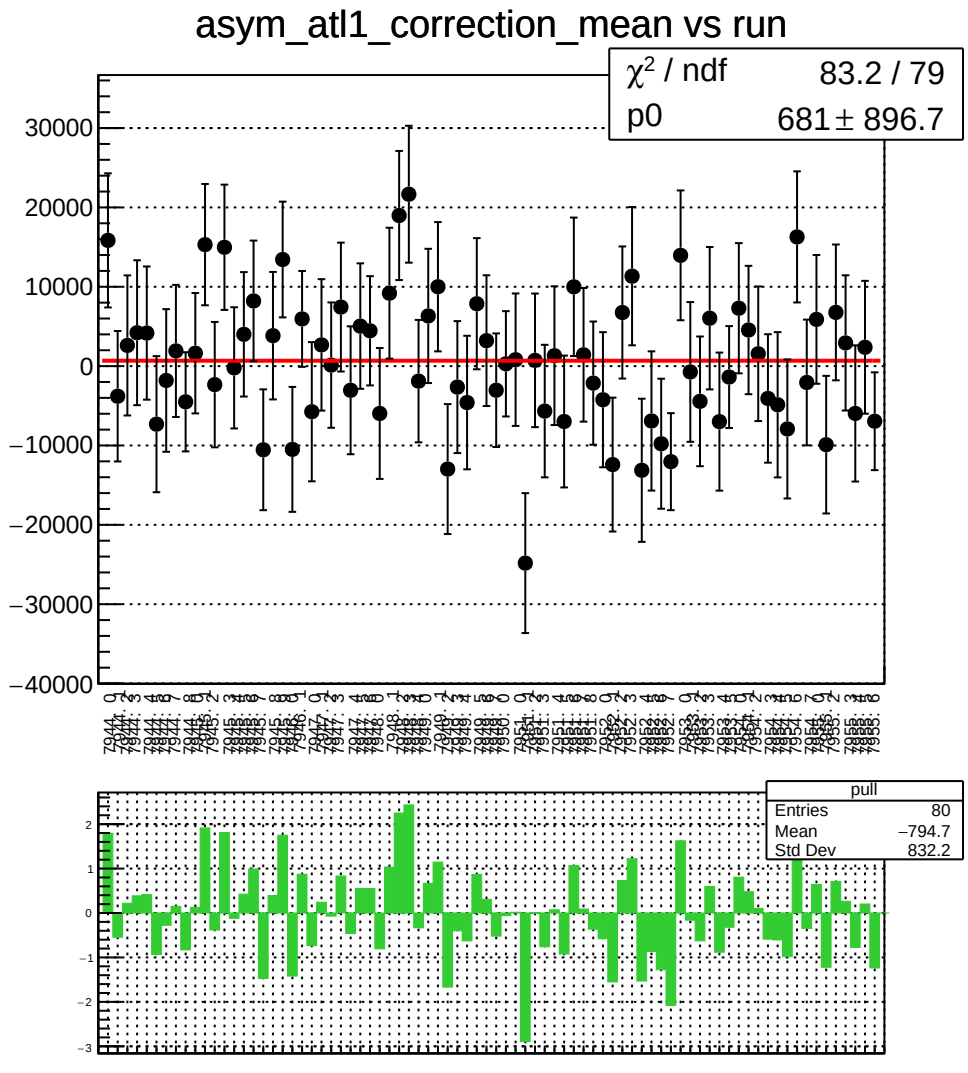

pull1D
Entries 80
Mean −0.01072
Std Dev 1.137

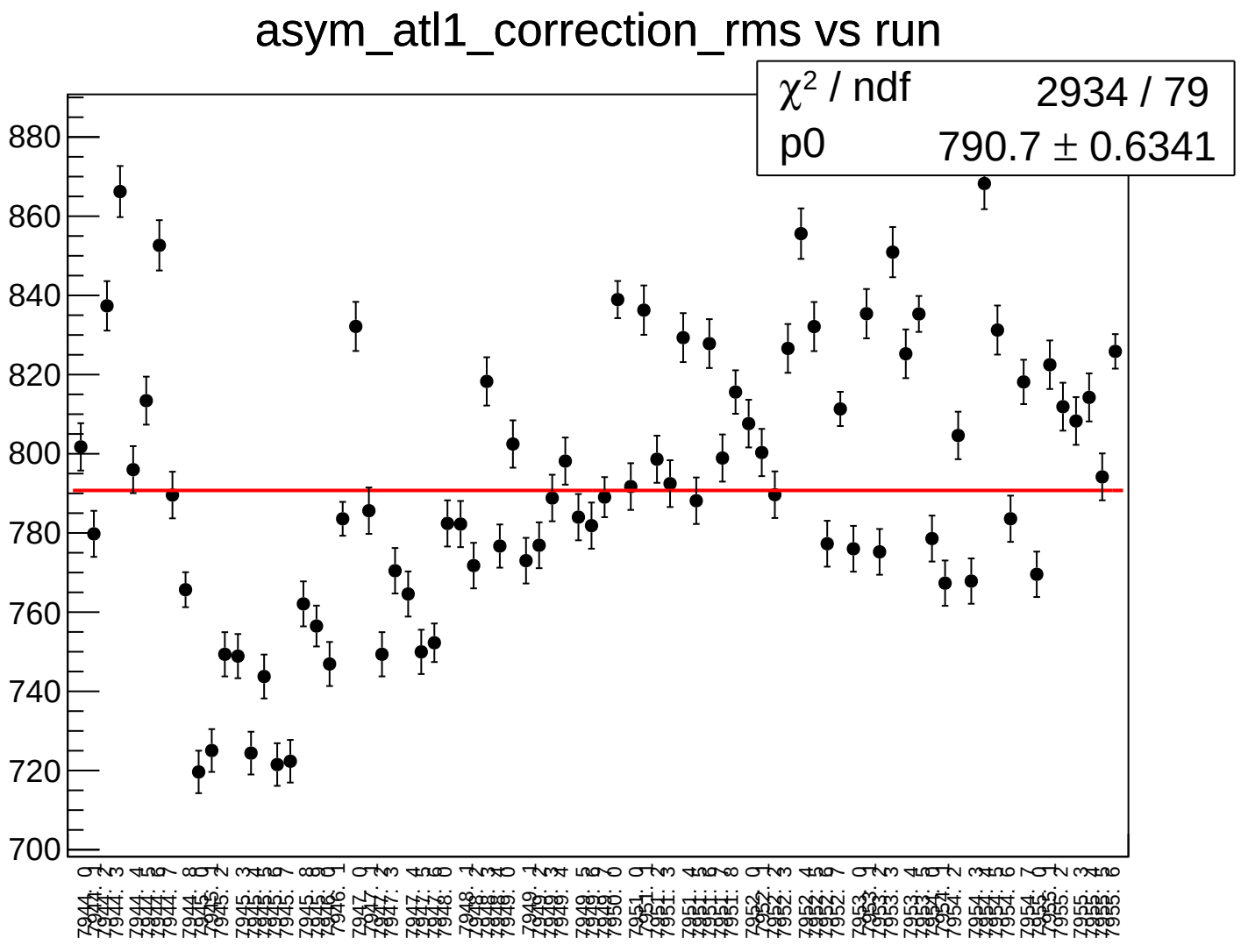

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 9179 / 79
p0 2033 ± 1.633
3400
3200
3000
2800
2600
2400
2200
2000
1800

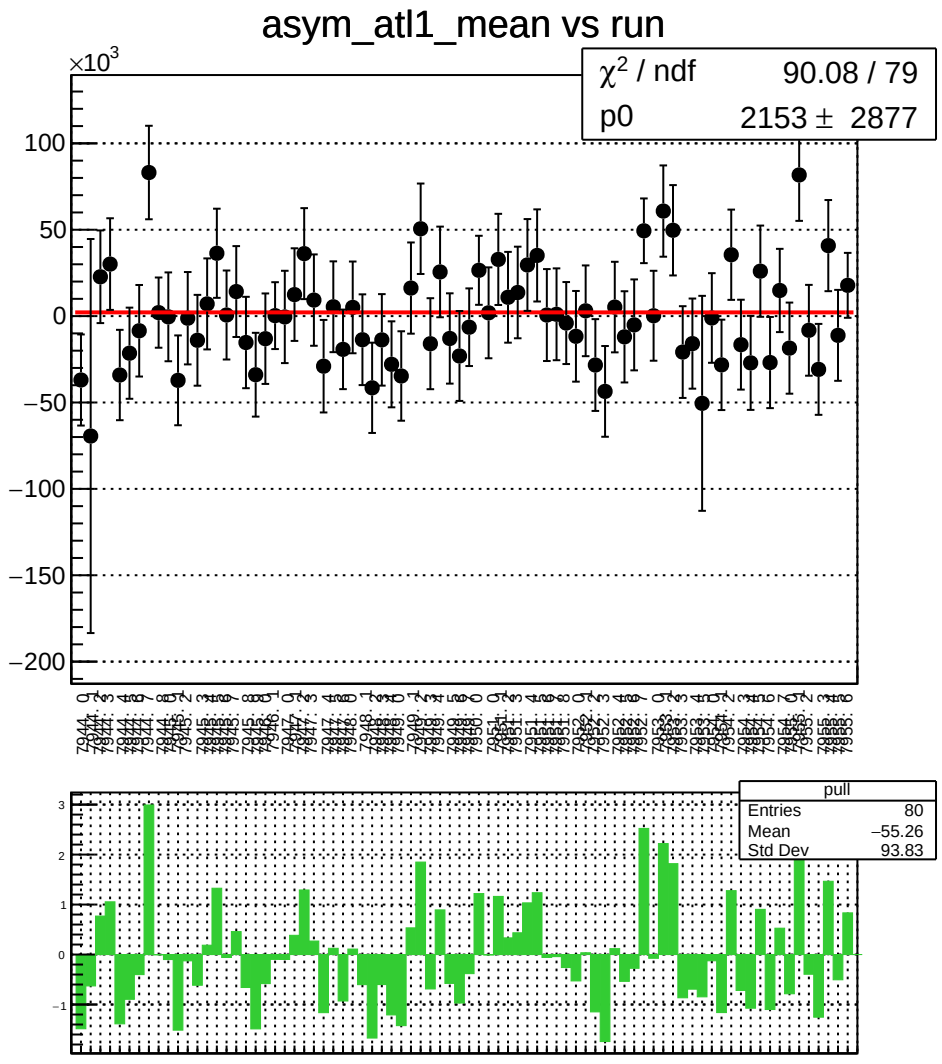

dit_asym_atl1_mean vs run
χ² / ndf 81.84 / 79
p0 2825 ± 2715
pull
Entries 80
Mean −5.841
Std Dev 47.15

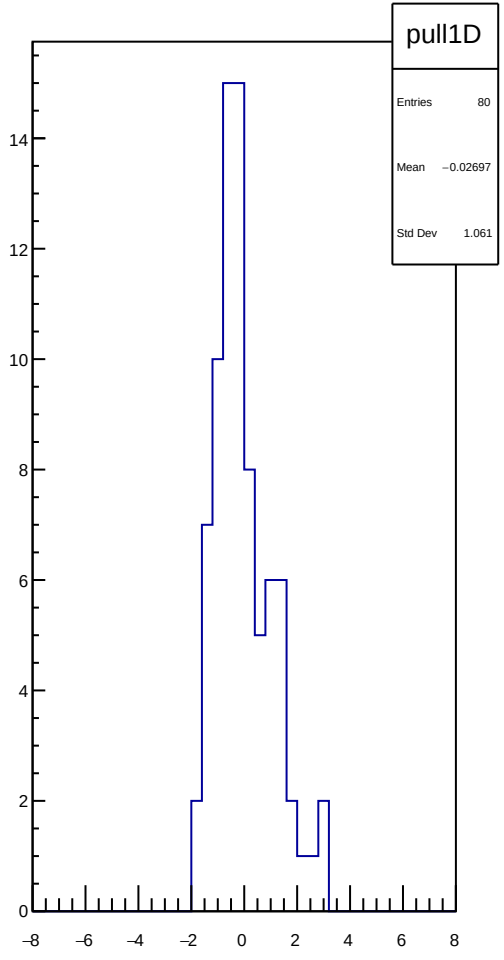

pull1D
Entries 80
Mean −0.02497
Std Dev 1.011

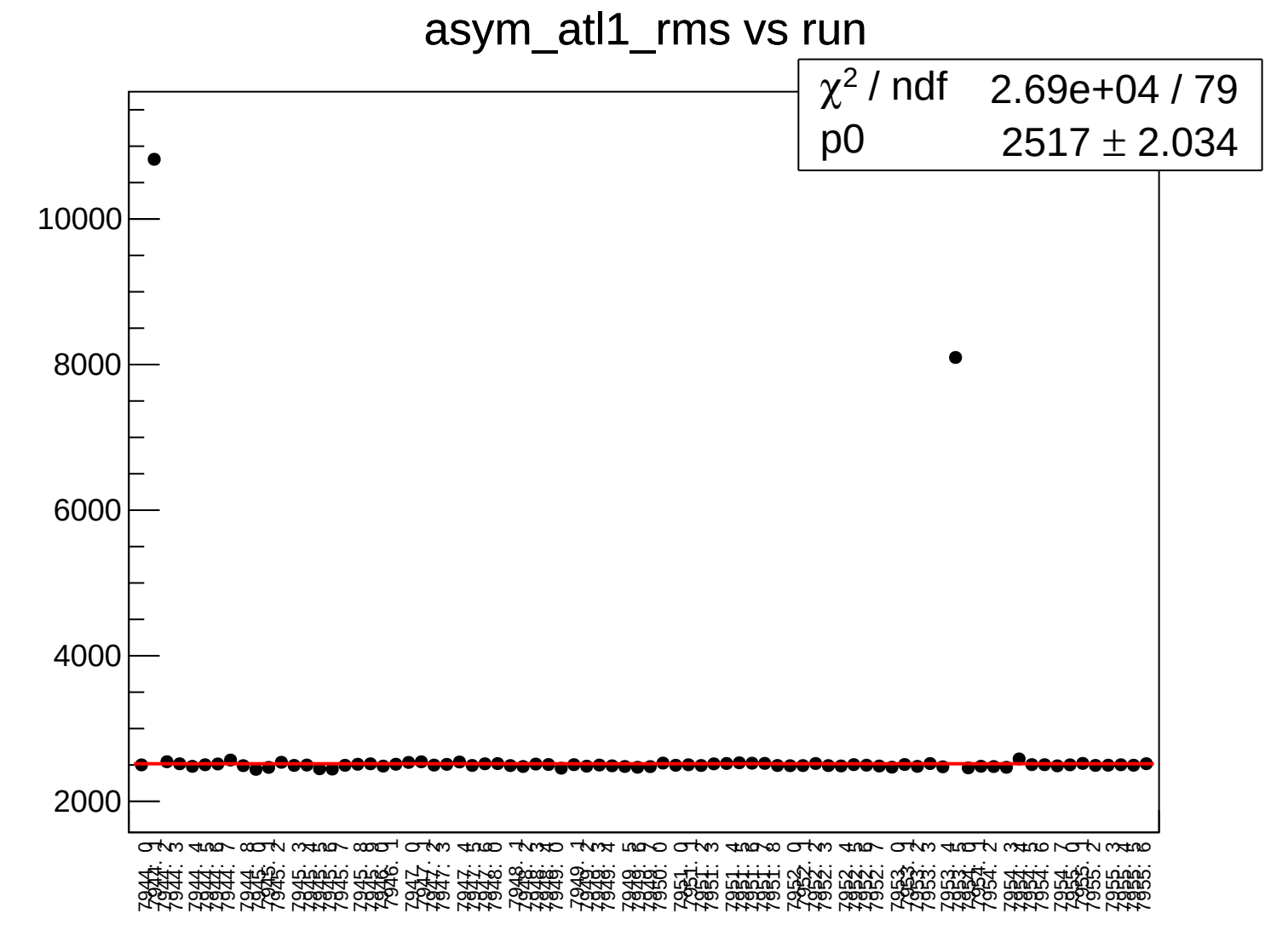

dit_asym_atl1_rms vs run
χ² / ndf 2.793e+04 / 79
p0 2375 ± 1.92
10000
8000
6000
4000
2000

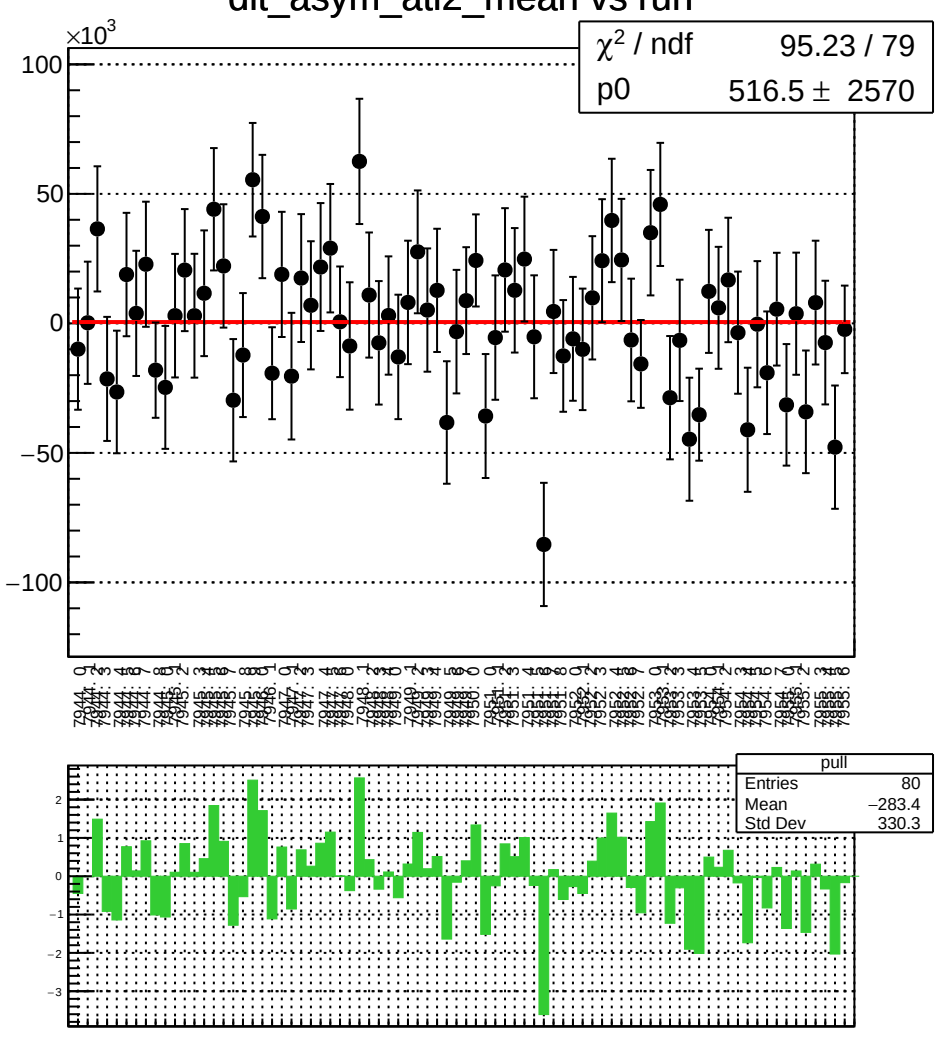

asym_atl1_correction_mean vs run
χ² / ndf 83.2 / 79
p0 681 ± 896.7
pull
Entries 80
Mean −794.7
Std Dev 832.2
pull1D
Entries 80
Mean 0.005337
Std Dev 1.02

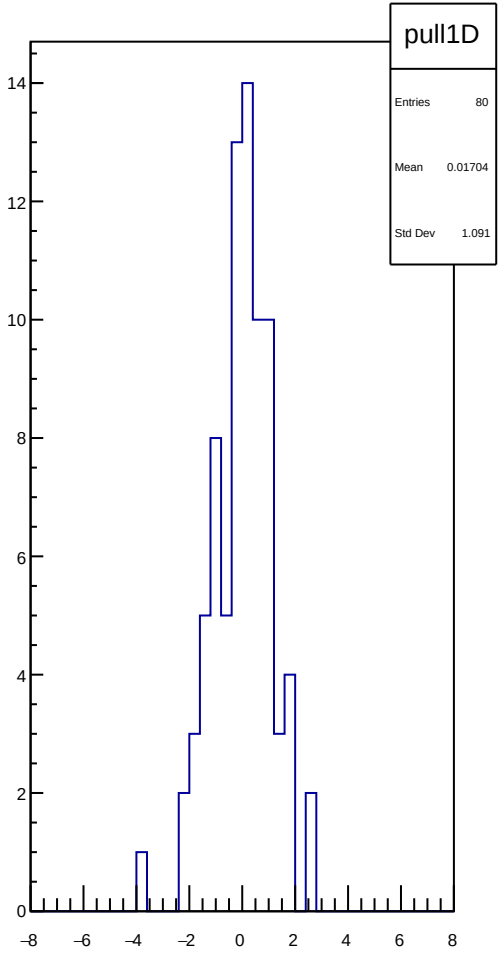

asym_atl1_correction_rms vs run
χ² / ndf 2934 / 79
p0 790.7 ± 0.6341
880
860
840
820
800
780
760
740
720
700

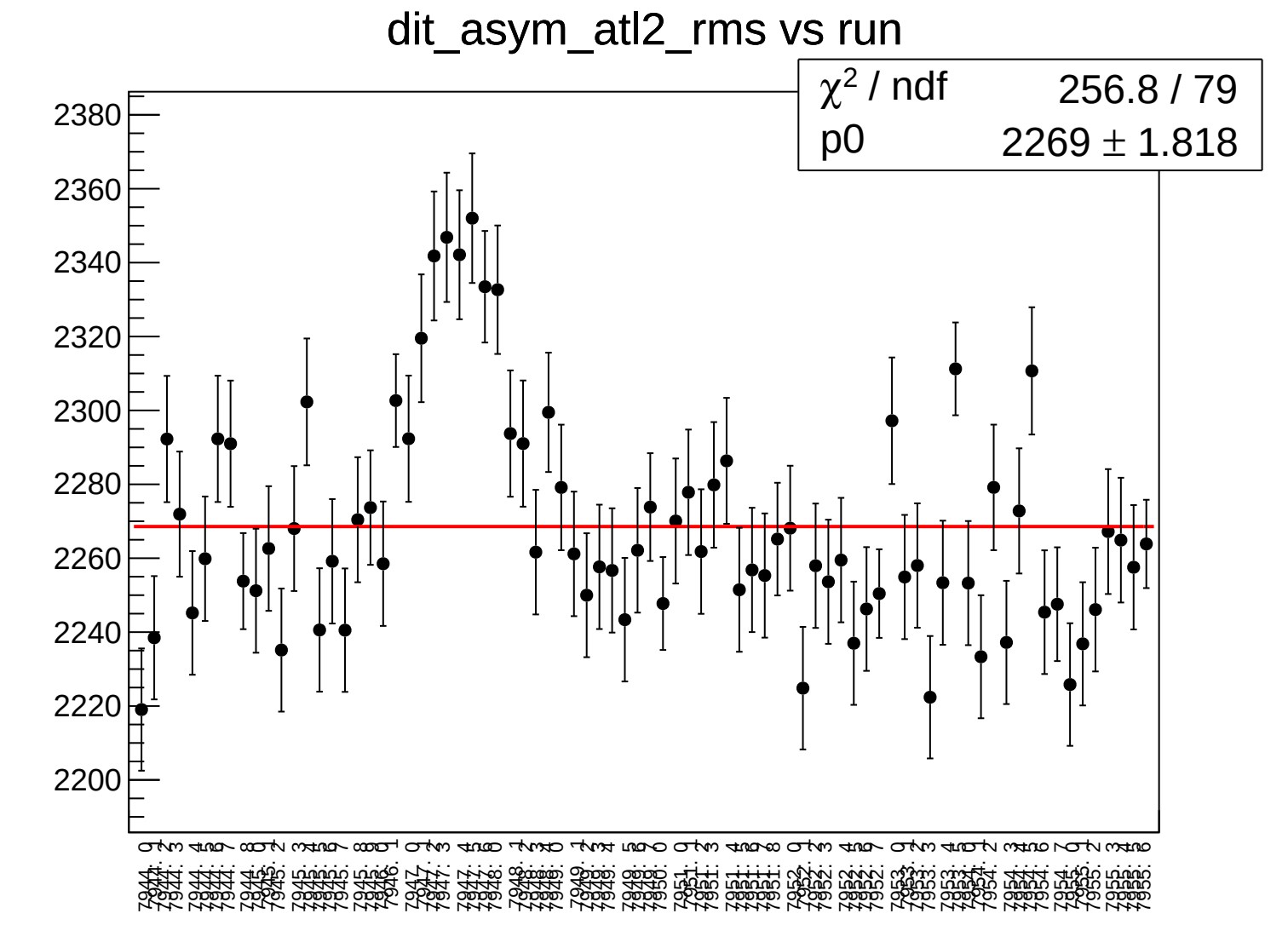

asym_atl1_mean vs run
×10^3
χ^2 / ndf 90.08 / 79
p0 2153 ± 2877
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −55.26
Std Dev 93.83
3
2
1
0
−1

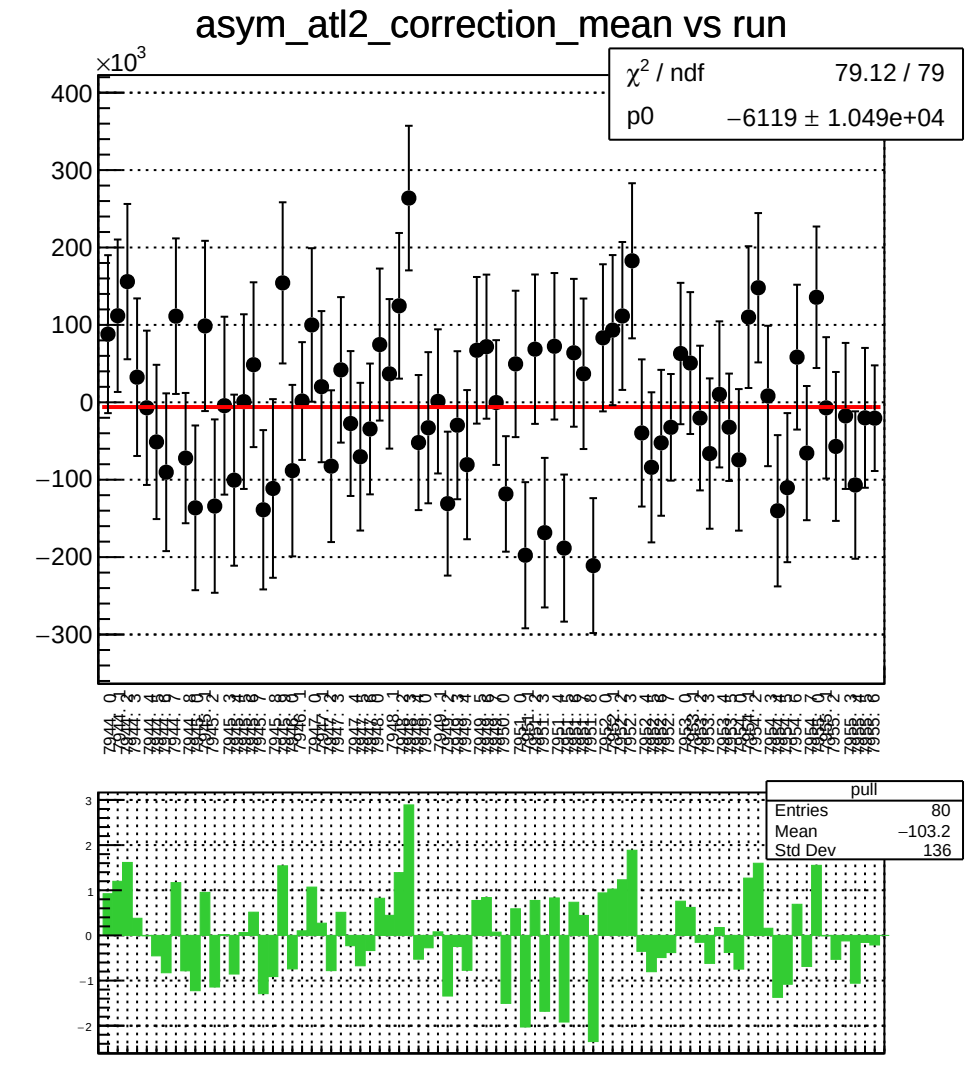

pull1D
Entries 80
Mean −0.02697
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

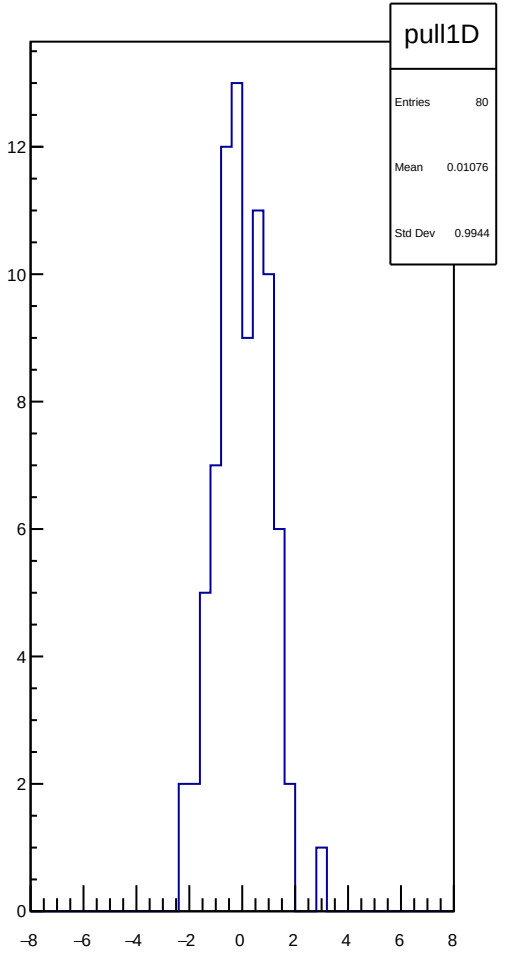

asym_atl1_rms vs run
χ² / ndf 2.69e+04 / 79
p0 2517 ± 2.034
10000
8000
6000
4000
2000

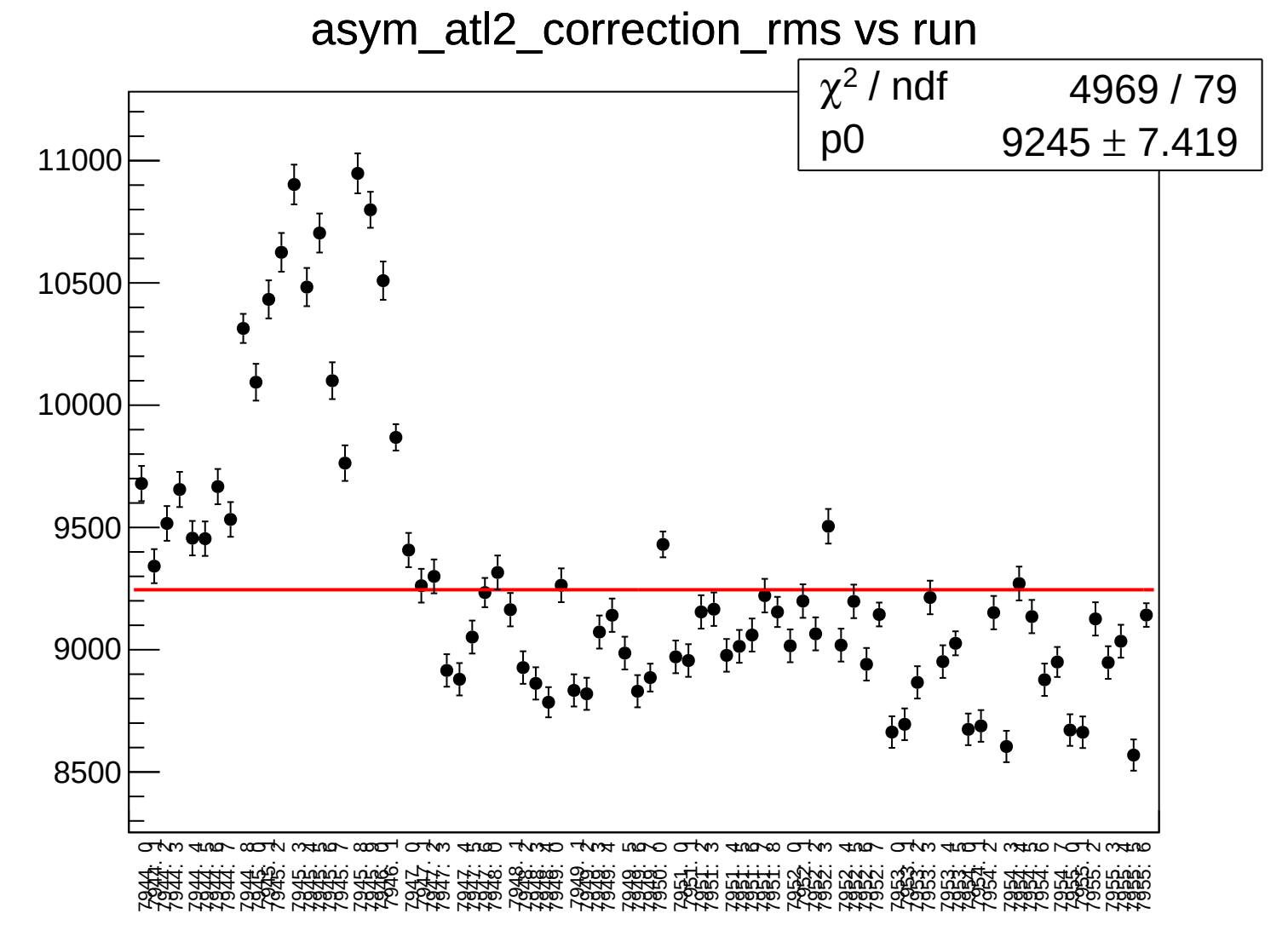

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 95.23 / 79
p0 516.5 ± 2570
pull
Entries 80
Mean −283.4
Std Dev 330.3

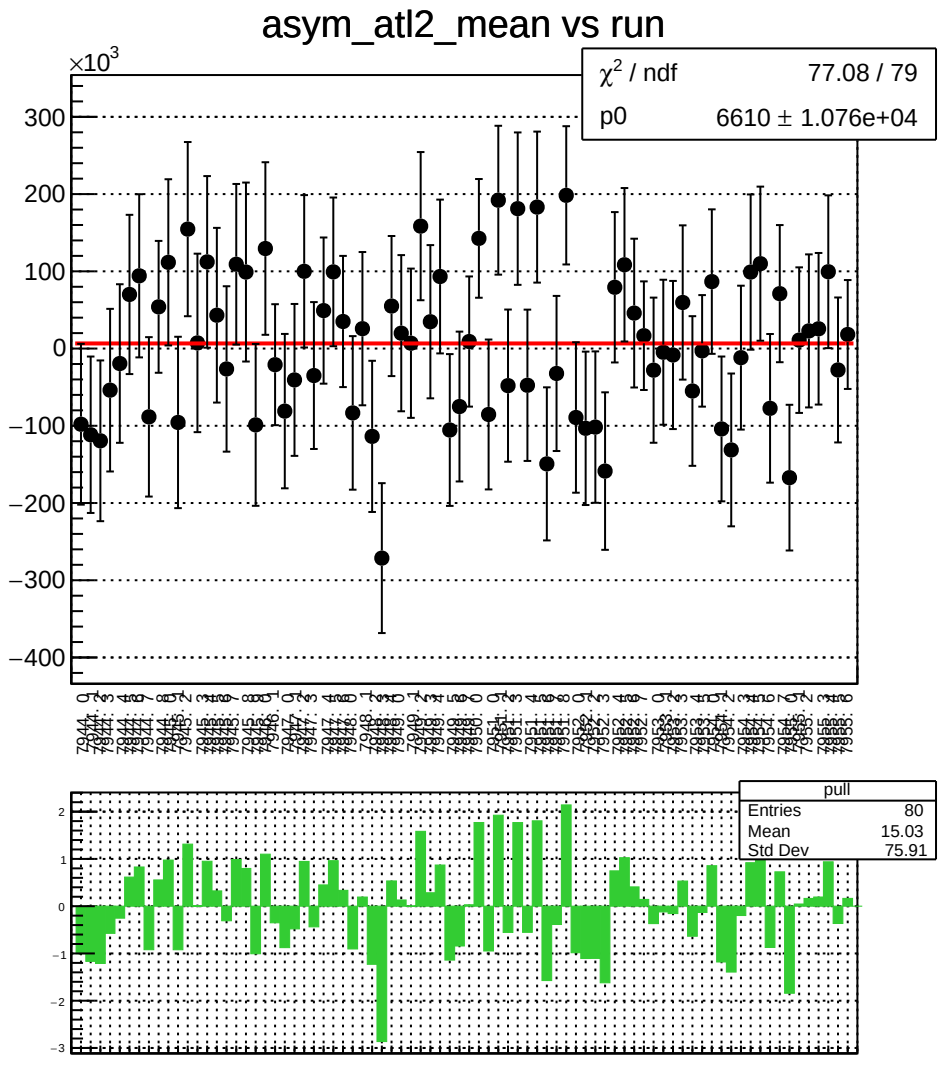

pull1D
Entries 80
Mean 0.01704
Std Dev 1.091

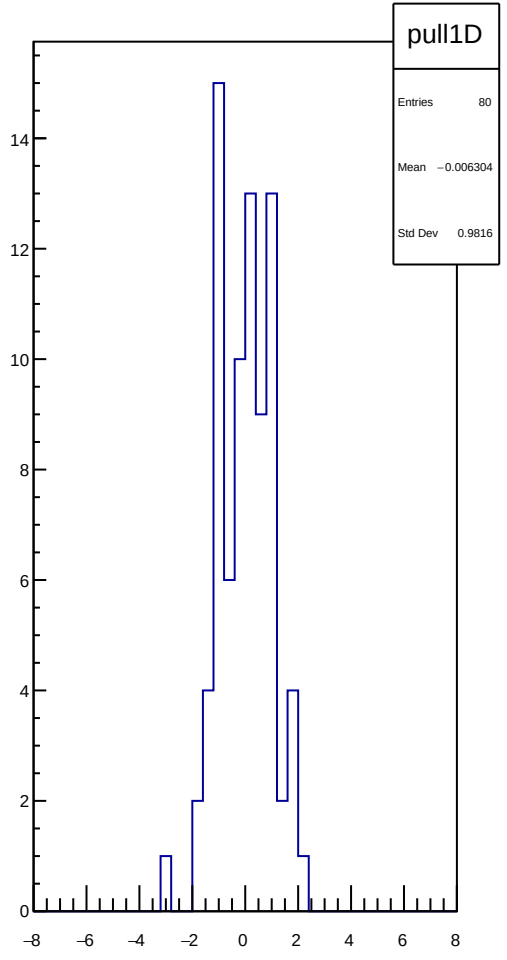

dit_asym_atl2_rms vs run
χ² / ndf 256.8 / 79
p0 2269 ± 1.818
2380
2360
2340
2320
2300
2280
2260
2240
2220
2200

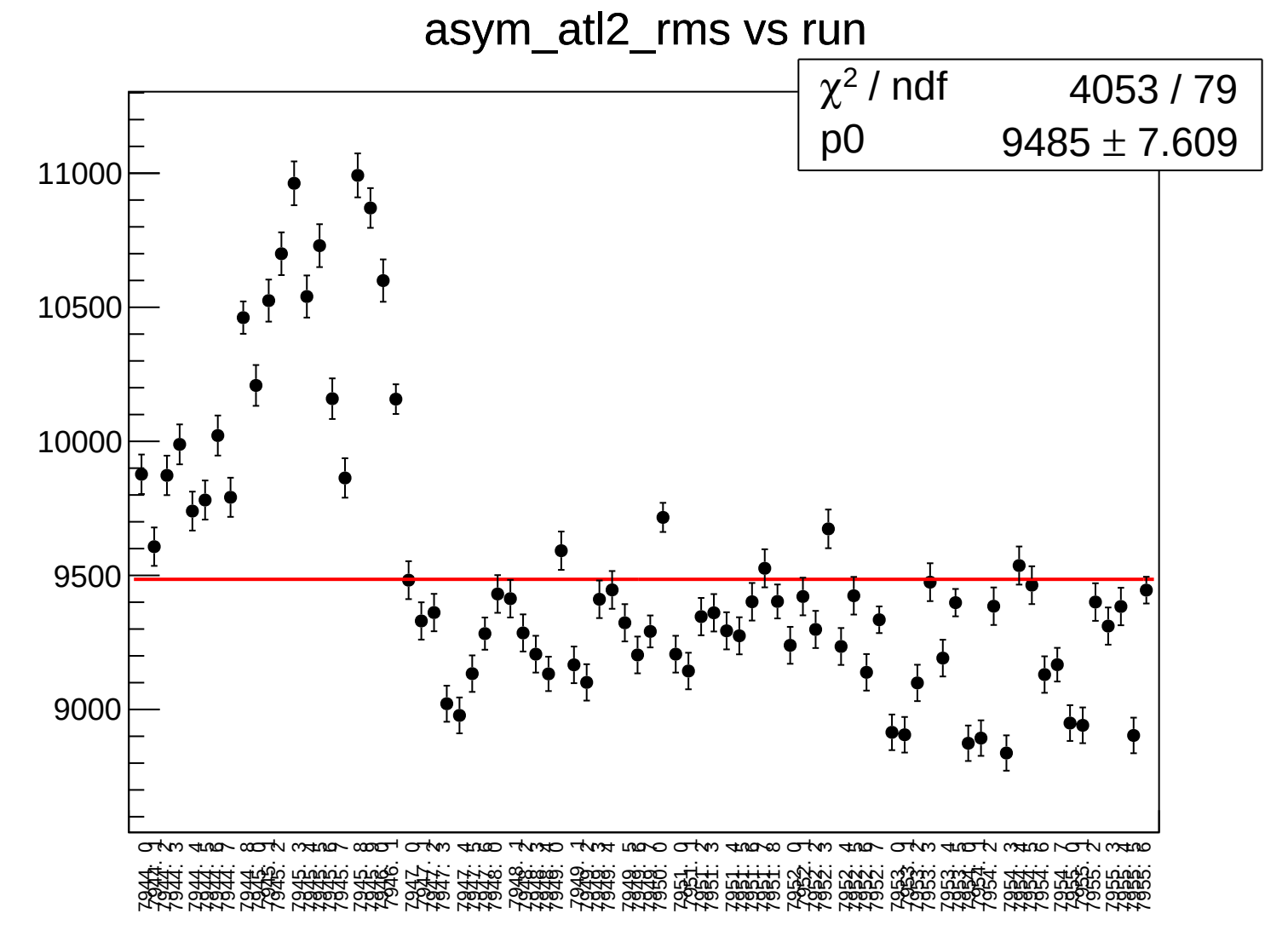

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 79.12 / 79
p0 −6119 ± 1.049e+04
pull
Entries 80
Mean −103.2
Std Dev 136

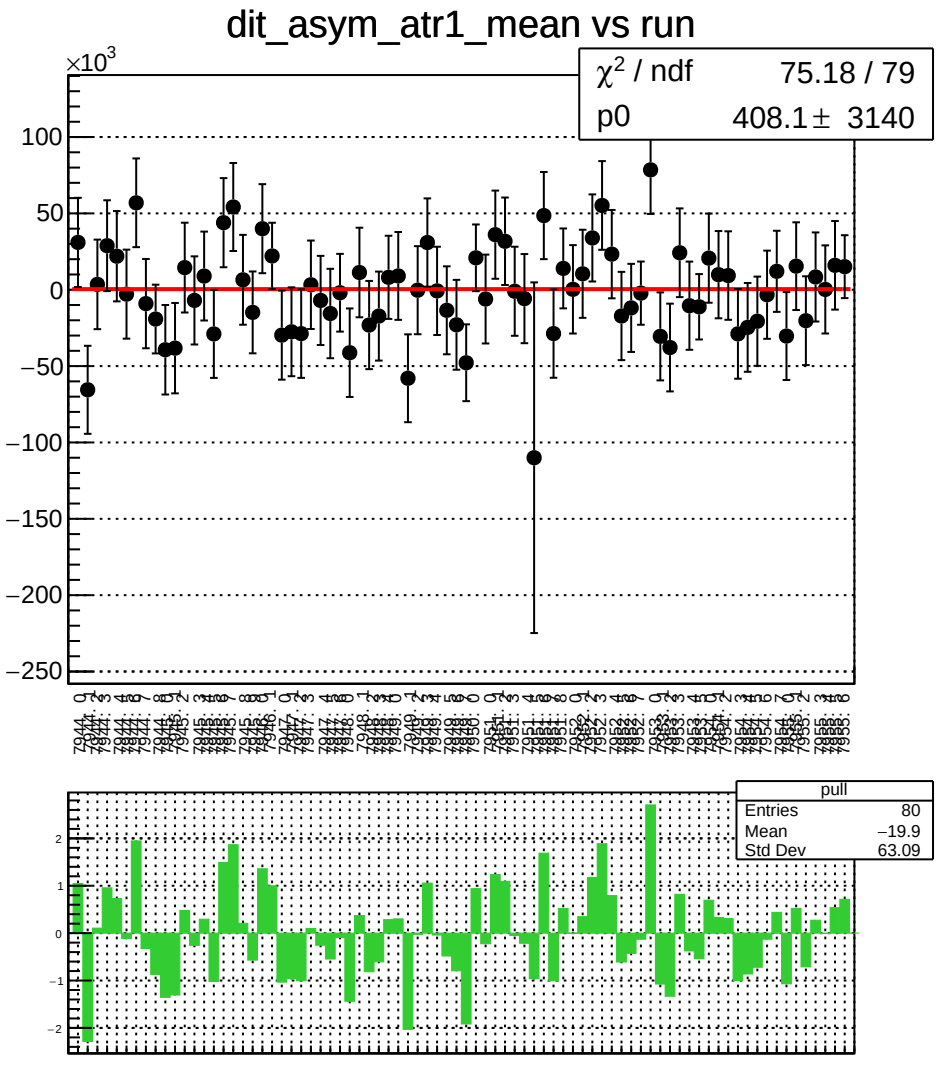

pull1D
Entries 80
Mean 0.01076
Std Dev 0.9944

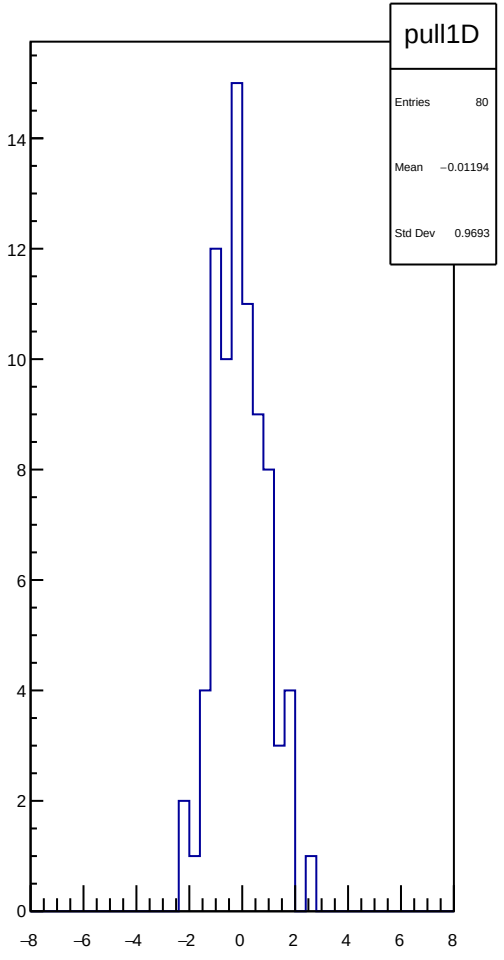

asym_atl2_correction_rms vs run
χ² / ndf 4969 / 79
p0 9245 ± 7.419
11000
10500
10000
9500
9000
8500

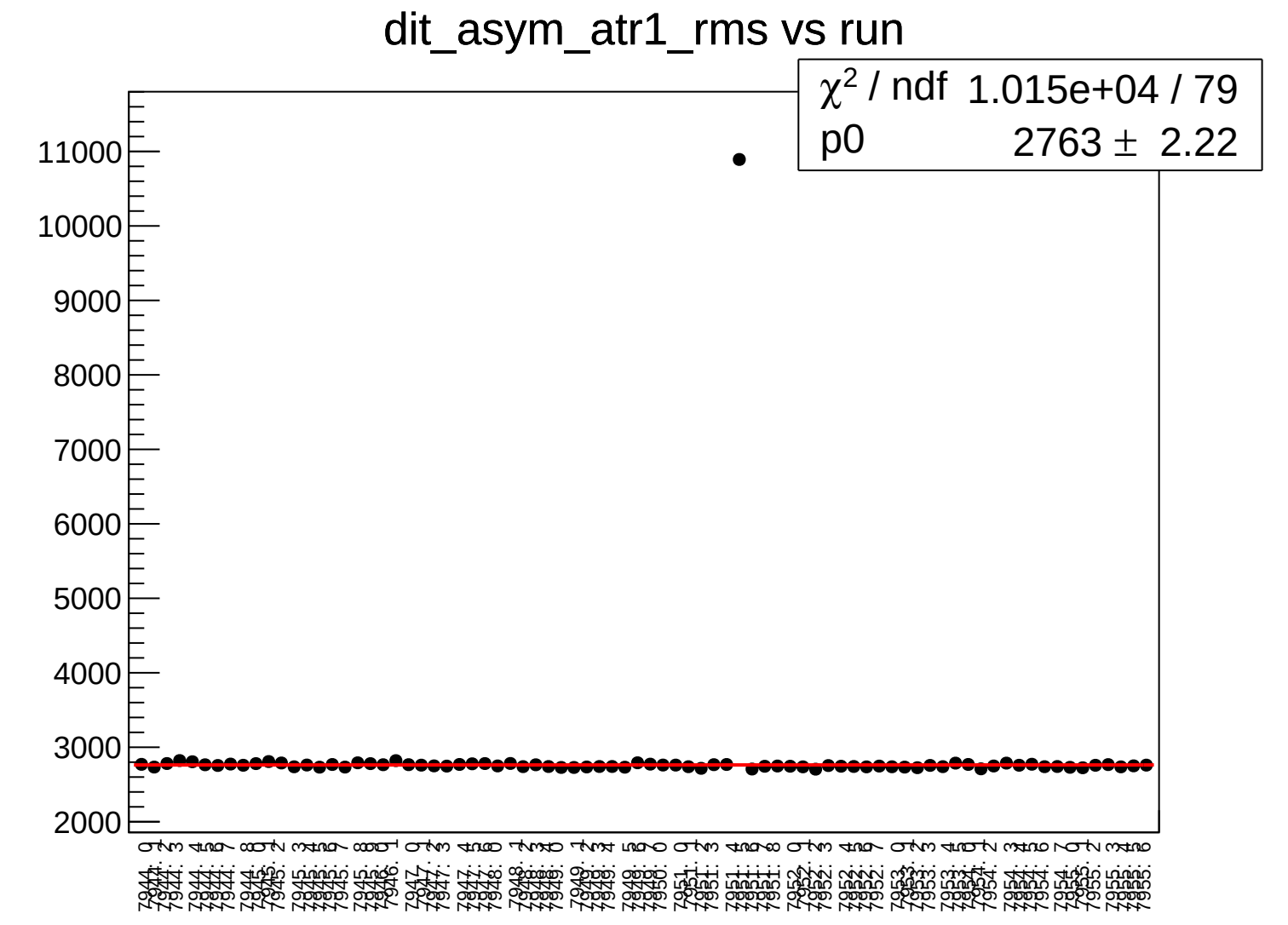

asym_atl2_mean vs run
×10^3
χ² / ndf 77.08 / 79
p0 6610 ± 1.076e+04
pull
Entries 80
Mean 15.03
Std Dev 75.91

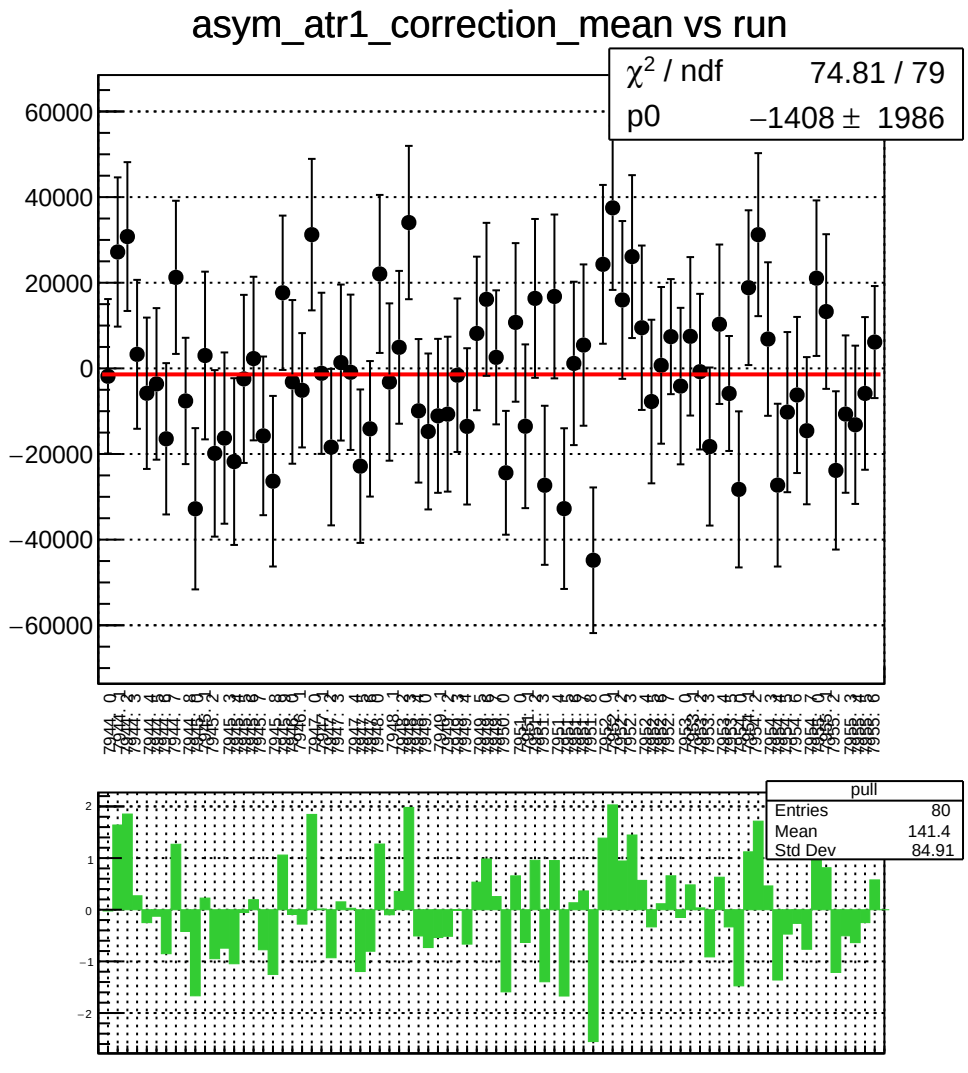

pull1D
Entries 80
Mean −0.006304
Std Dev 0.9816

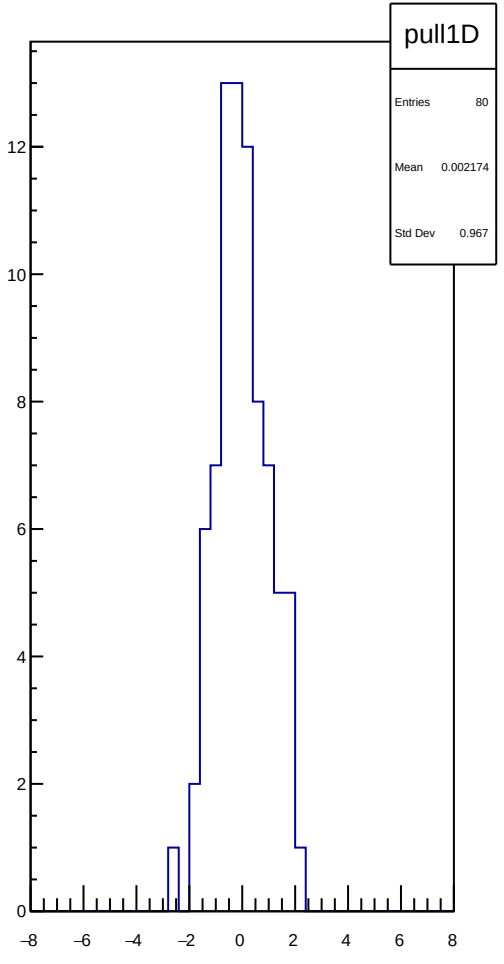

asym_atl2_rms vs run
χ² / ndf 4053 / 79
p0 9485 ± 7.609
11000
10500
10000
9500
9000

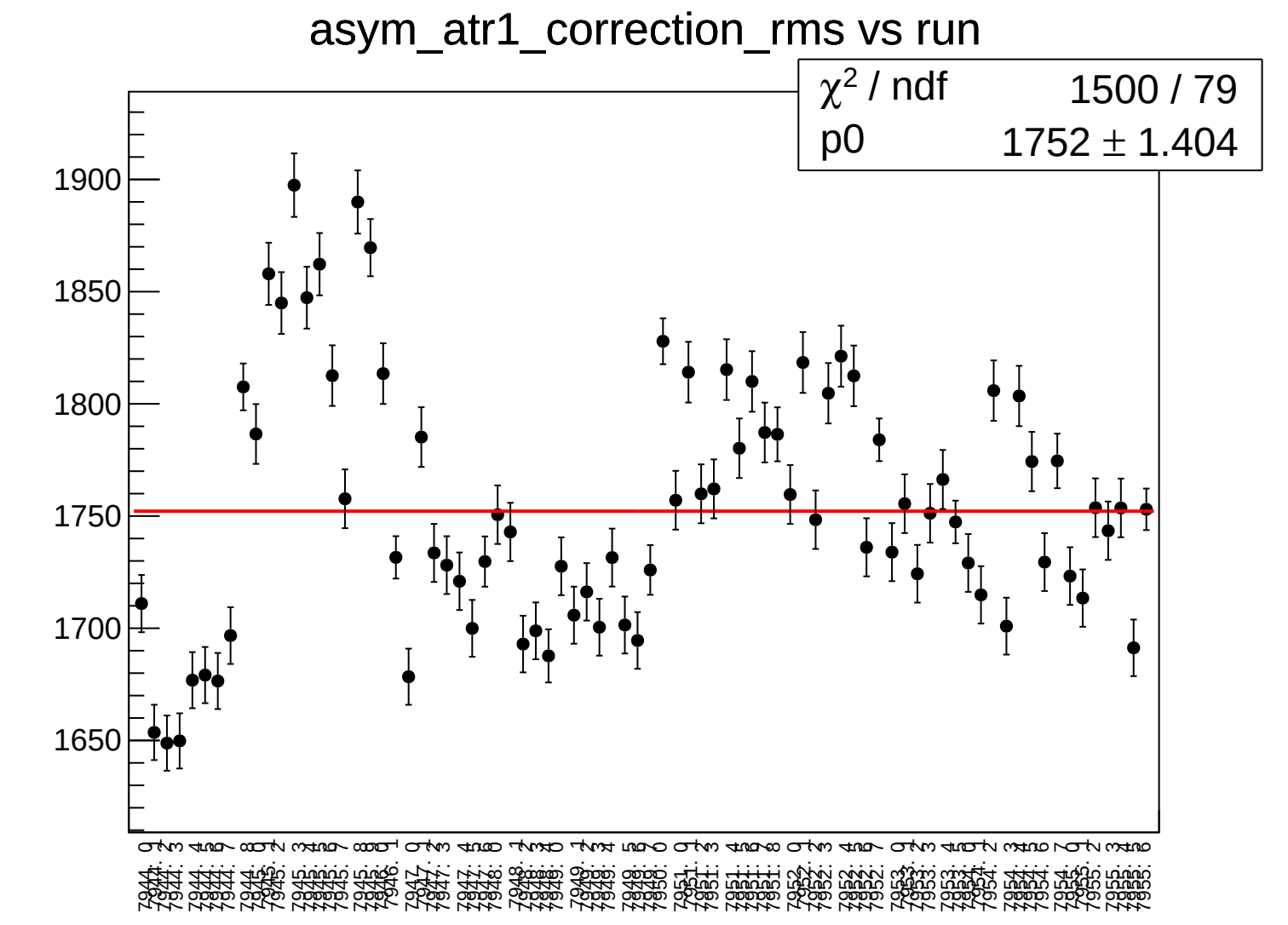

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 75.18 / 79
p0 408.1 ± 3140
pull
Entries 80
Mean −19.9
Std Dev 63.09

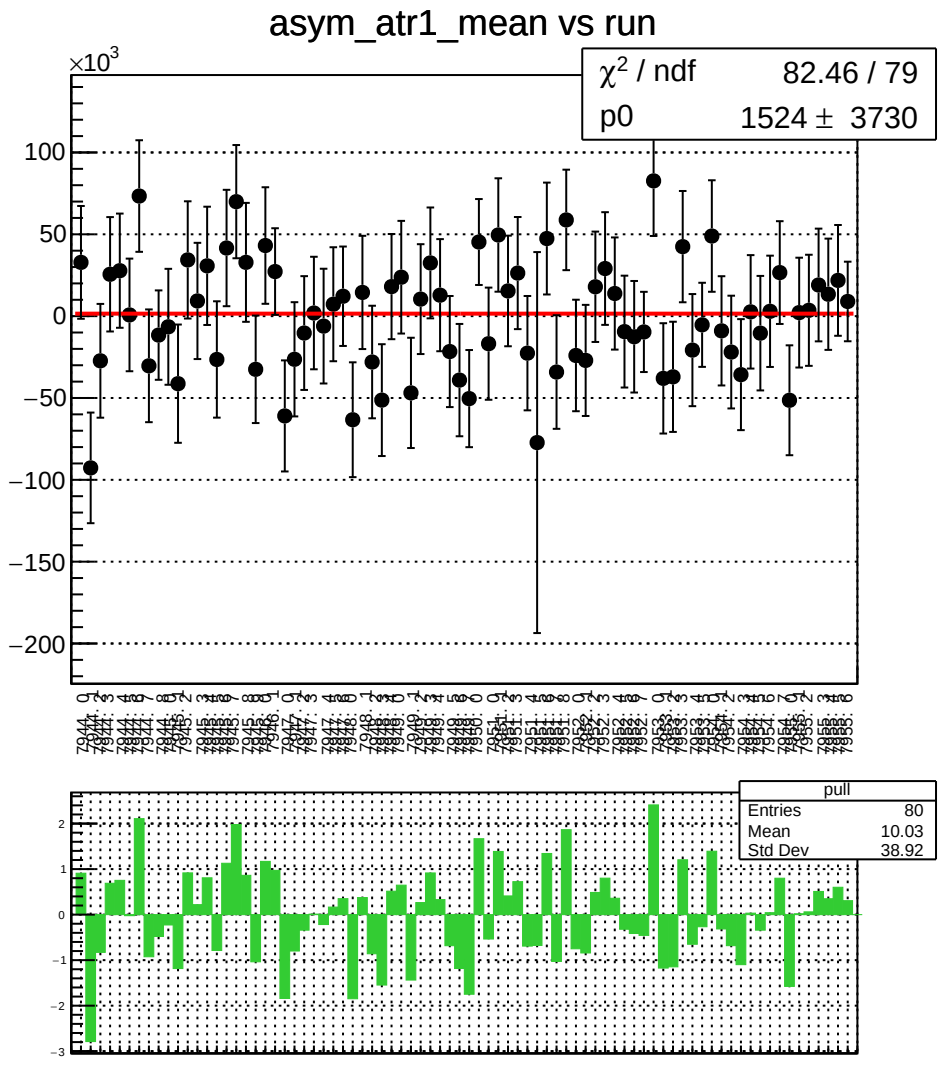

pull1D
Entries 80
Mean −0.01194
Std Dev 0.9693

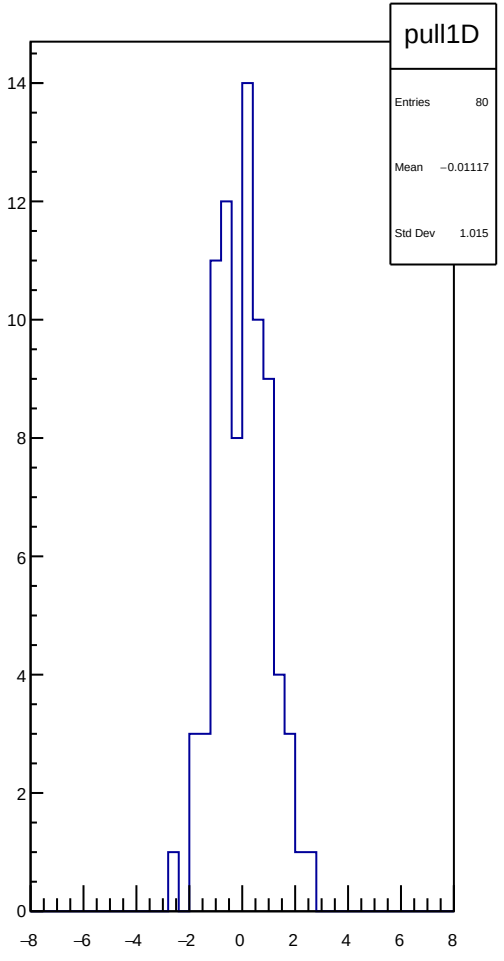

dit_asym_atr1_rms vs run
χ^2 / ndf 1.015e+04 / 79
p0 2763 ± 2.22
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

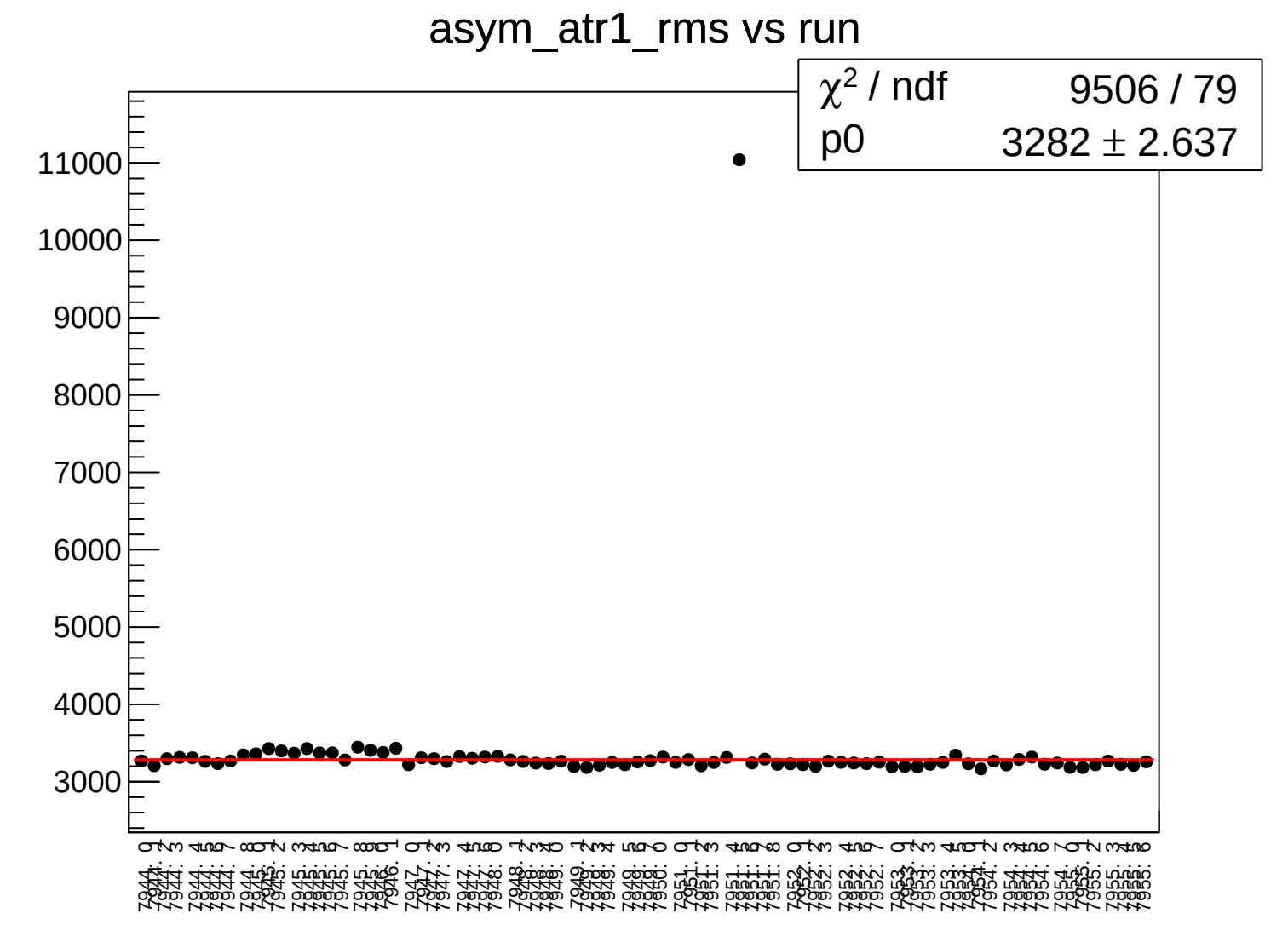

asym_atr1_correction_mean vs run
χ² / ndf 74.81 / 79
p0 −1408 ± 1986
pull
Entries 80
Mean 141.4
Std Dev 84.91

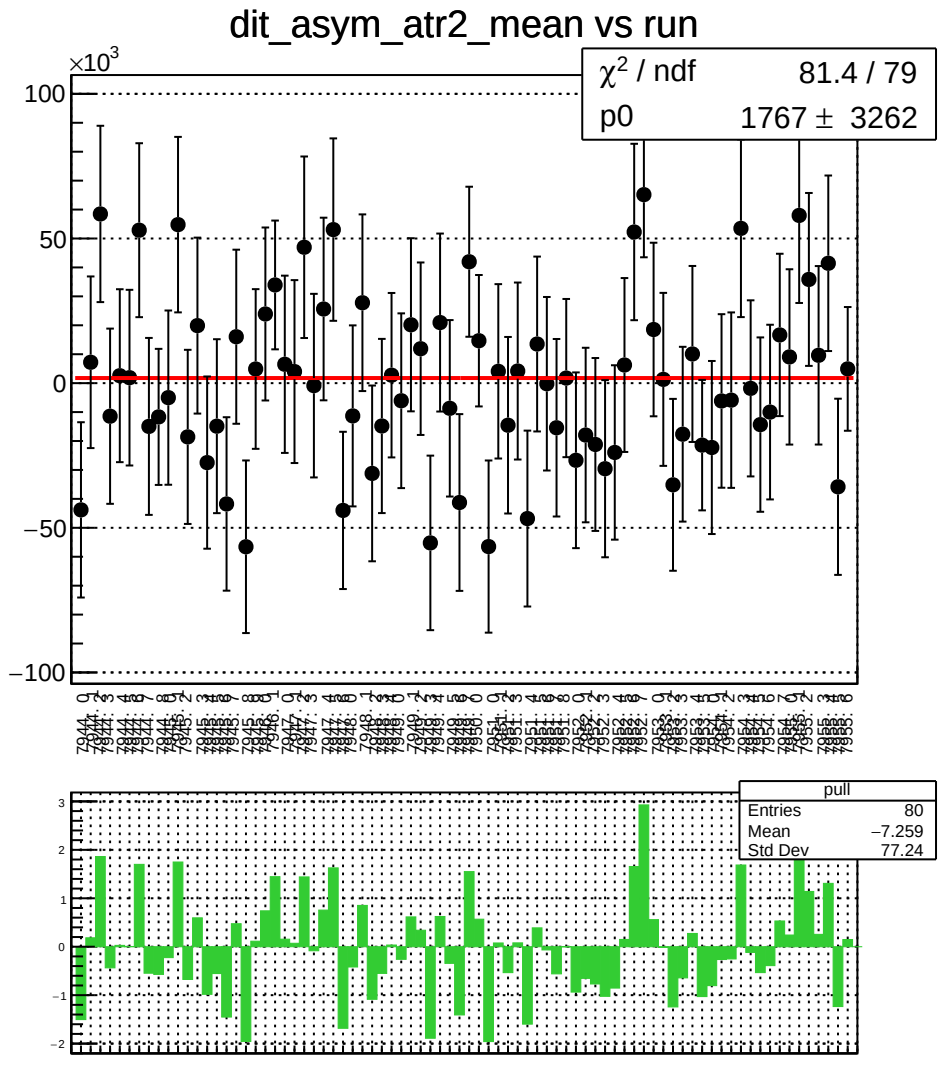

pull1D
Entries 80
Mean 0.002174
Std Dev 0.967

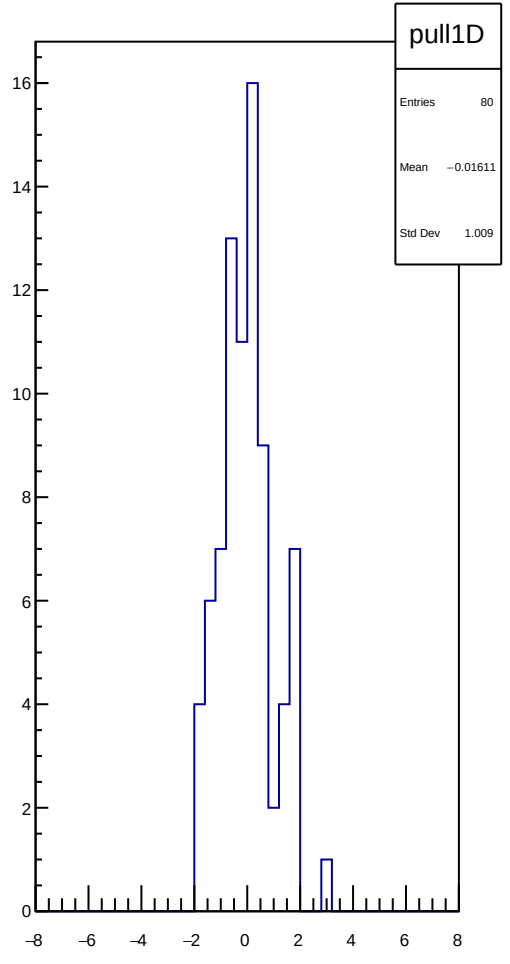

asym_atr1_correction_rms vs run
χ² / ndf 1500 / 79
p0 1752 ± 1.404
1900
1850
1800
1750
1700
1650

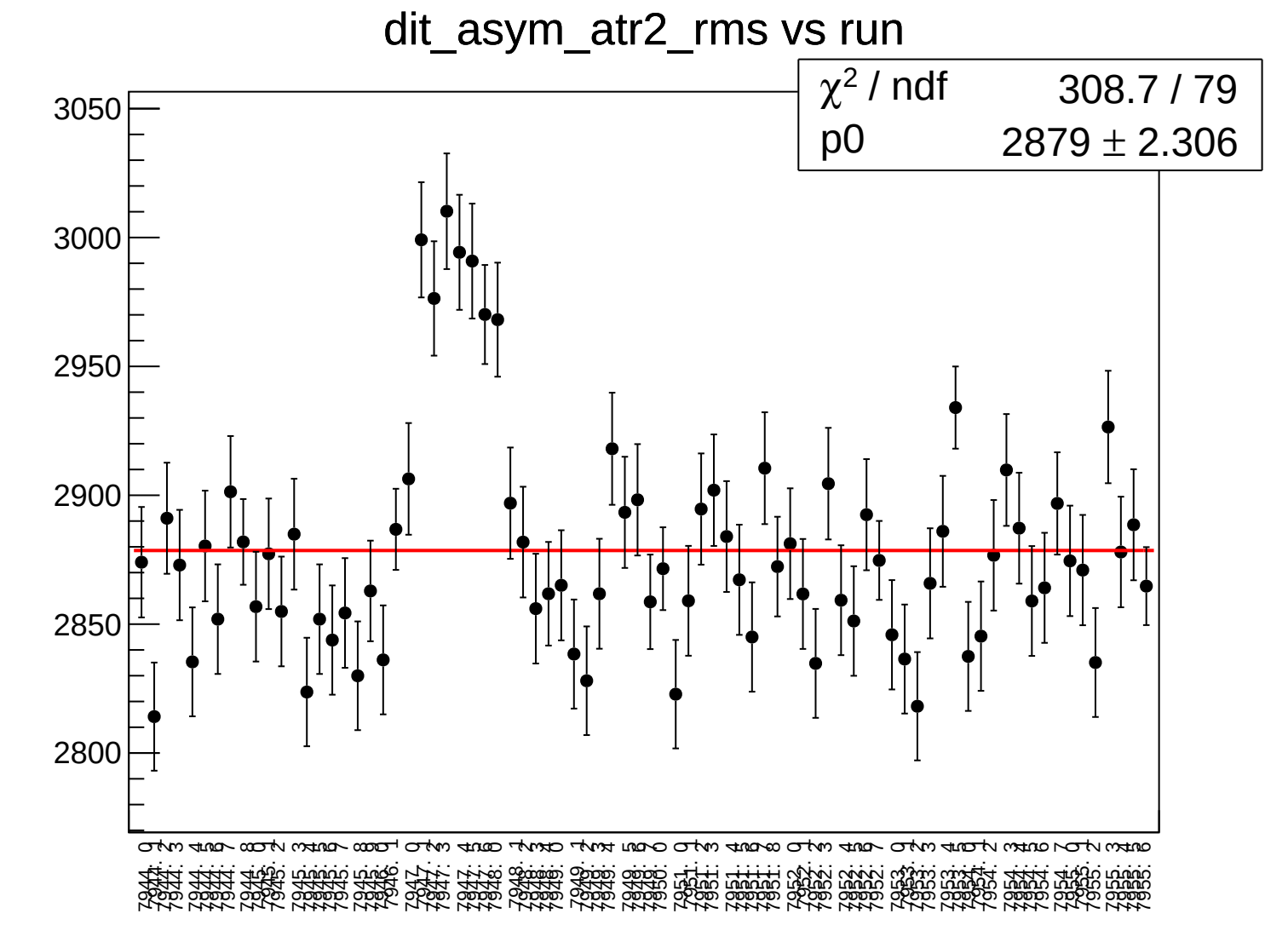

asym_atr1_mean vs run
×10^3
χ^2 / ndf 82.46 / 79
p0 1524 ± 3730
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 10.03
Std Dev 38.92
2
1
0
−1
−2
−3

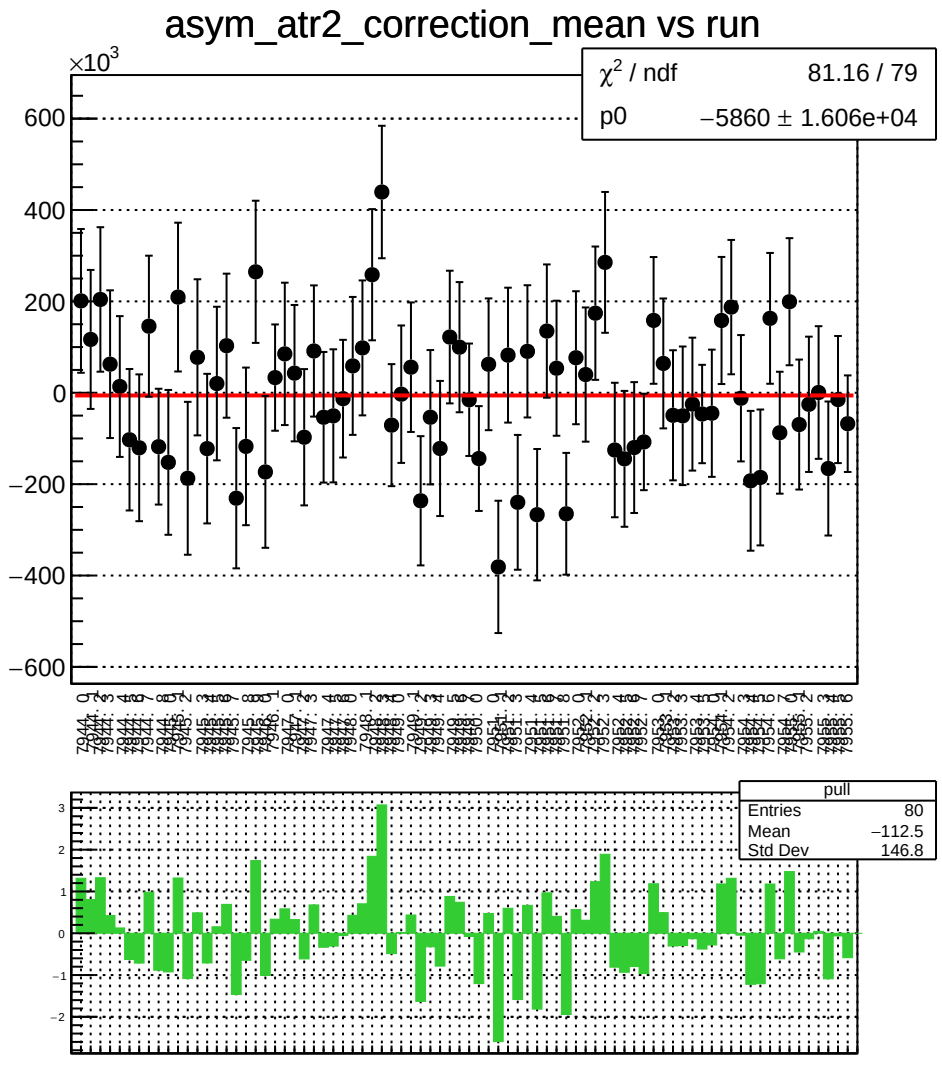

pull1D
Entries 80
Mean −0.01117
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

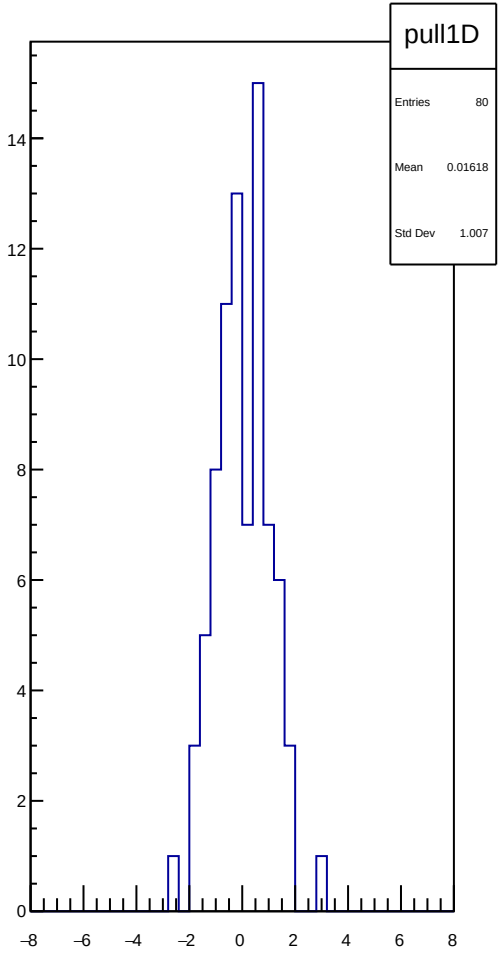

asym_atr1_rms vs run
χ^2 / ndf 9506 / 79
p0 3282 ± 2.637
11000
10000
9000
8000
7000
6000
5000
4000
3000

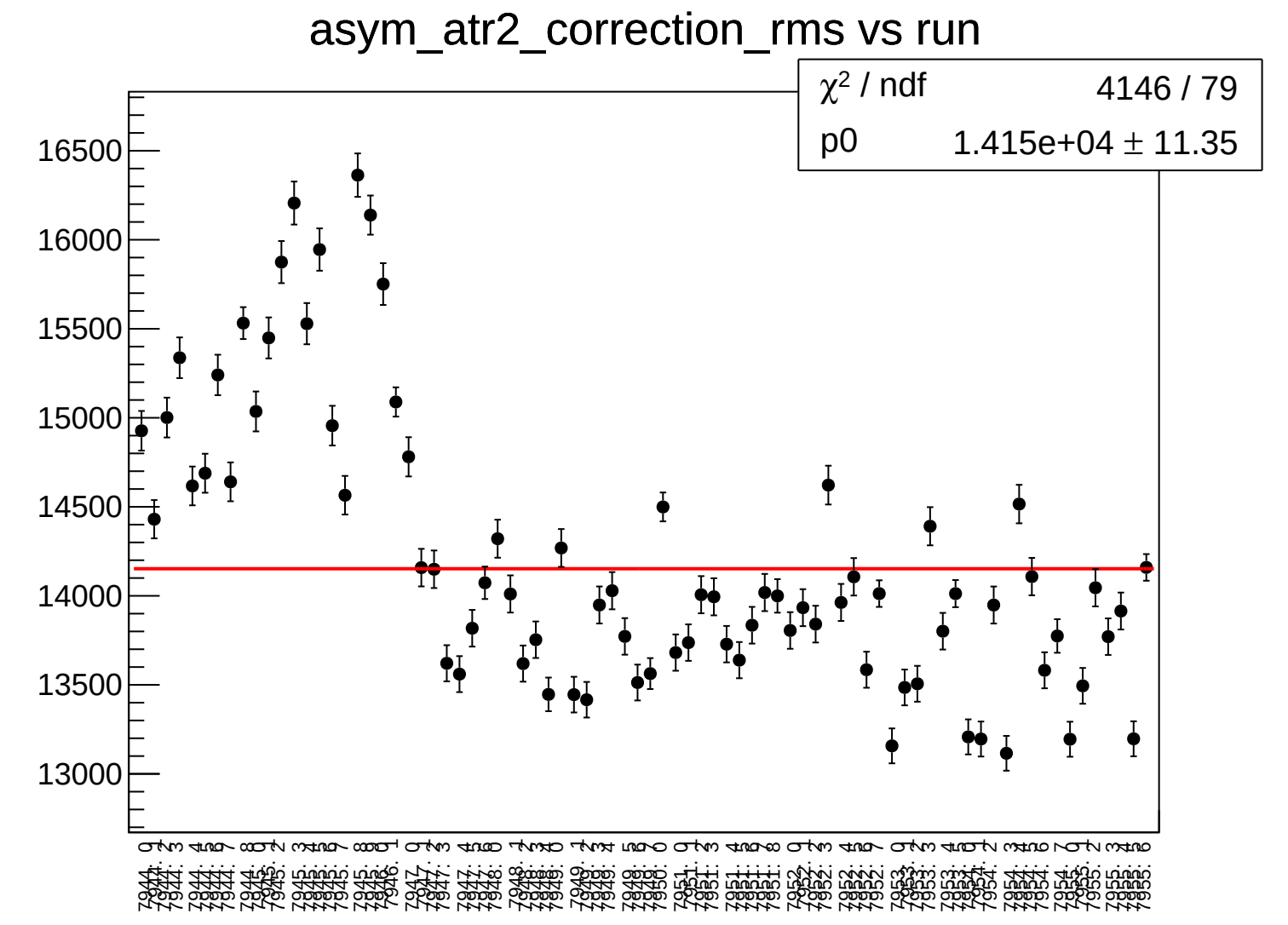

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 81.4 / 79
p0 1767 ± 3262
100
50
0
−50
−100
pull
Entries 80
Mean −7.259
Std Dev 77.24
3
2
1
0
−1
−2

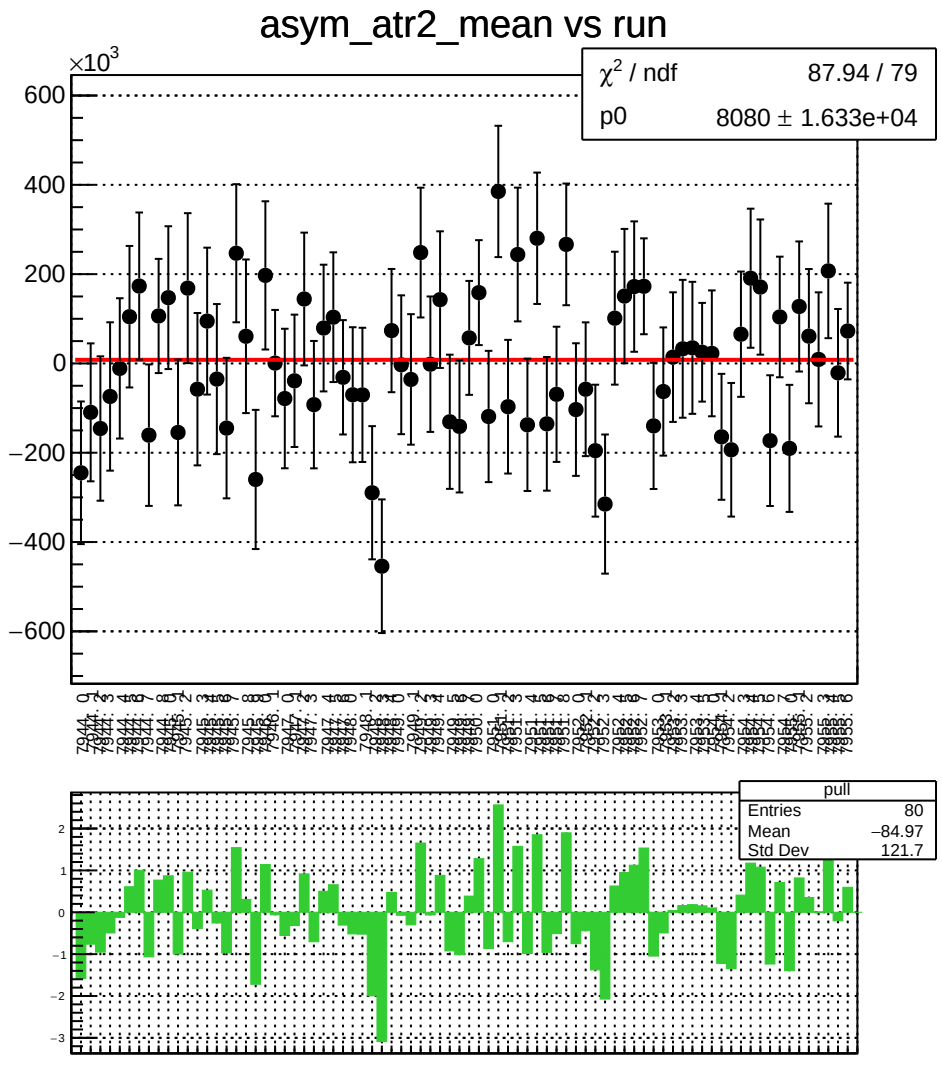

pull1D
Entries 80
Mean −0.01611
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

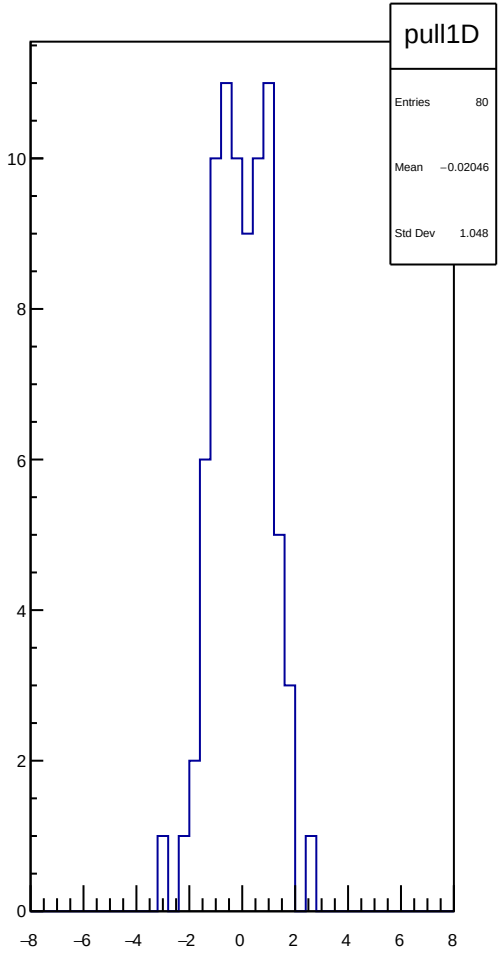

dit_asym_atr2_rms vs run
χ² / ndf 308.7 / 79
p0 2879 ± 2.306
3050
3000
2950
2900
2850
2800

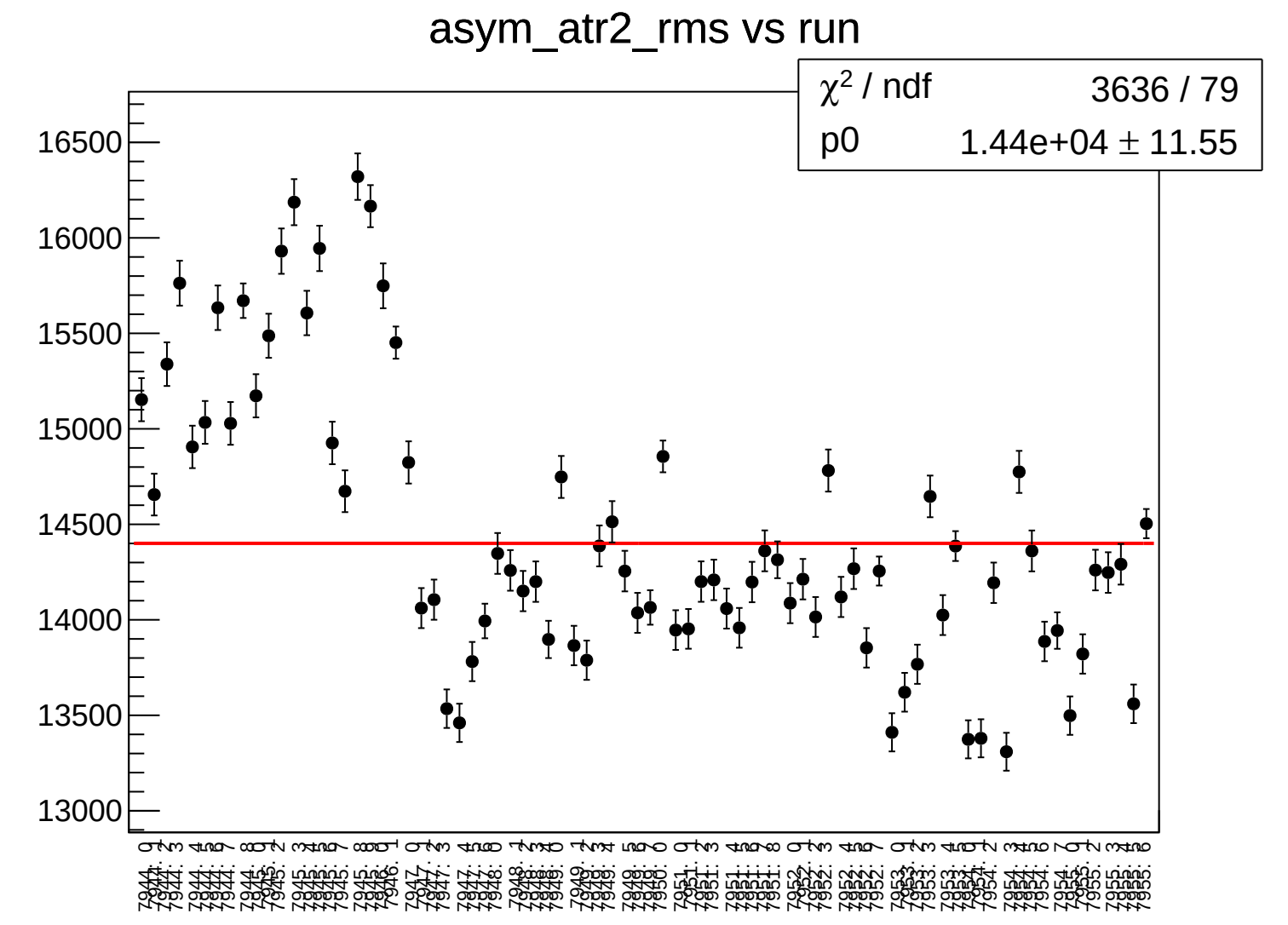

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 81.16 / 79
p0 −5860 ± 1.606e+04
pull
Entries 80
Mean −112.5
Std Dev 146.8

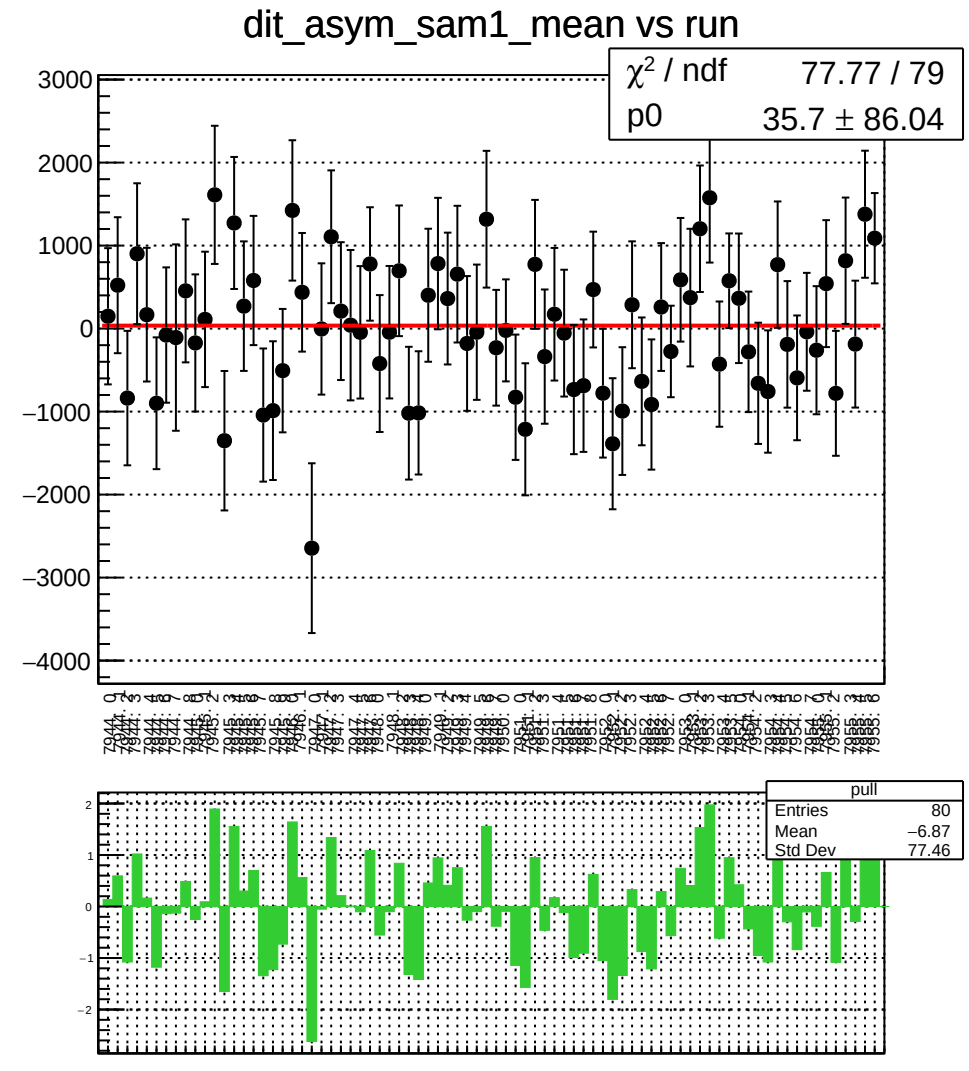

pull1D
Entries 80
Mean 0.01618
Std Dev 1.007

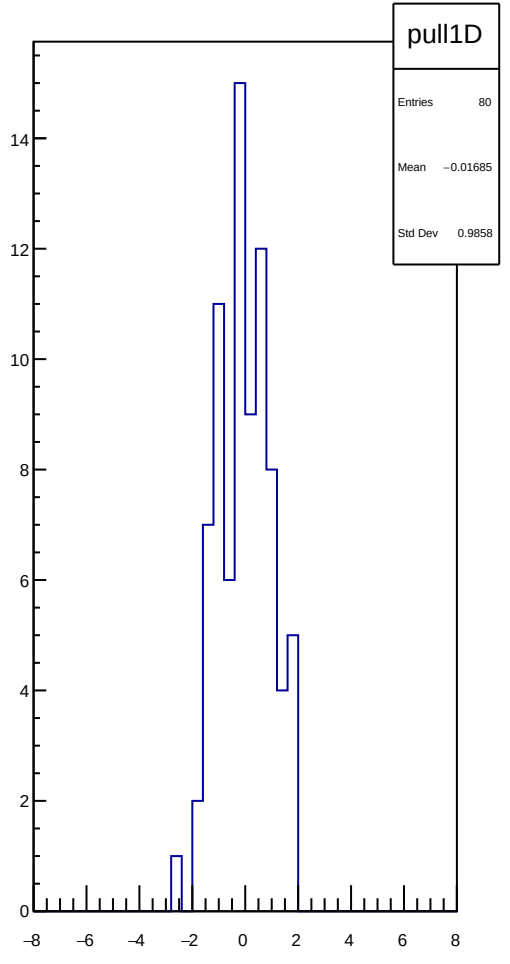

asym_atr2_correction_rms vs run
χ² / ndf 4146 / 79
p0 1.415e+04 ± 11.35
16500
16000
15500
15000
14500
14000
13500
13000

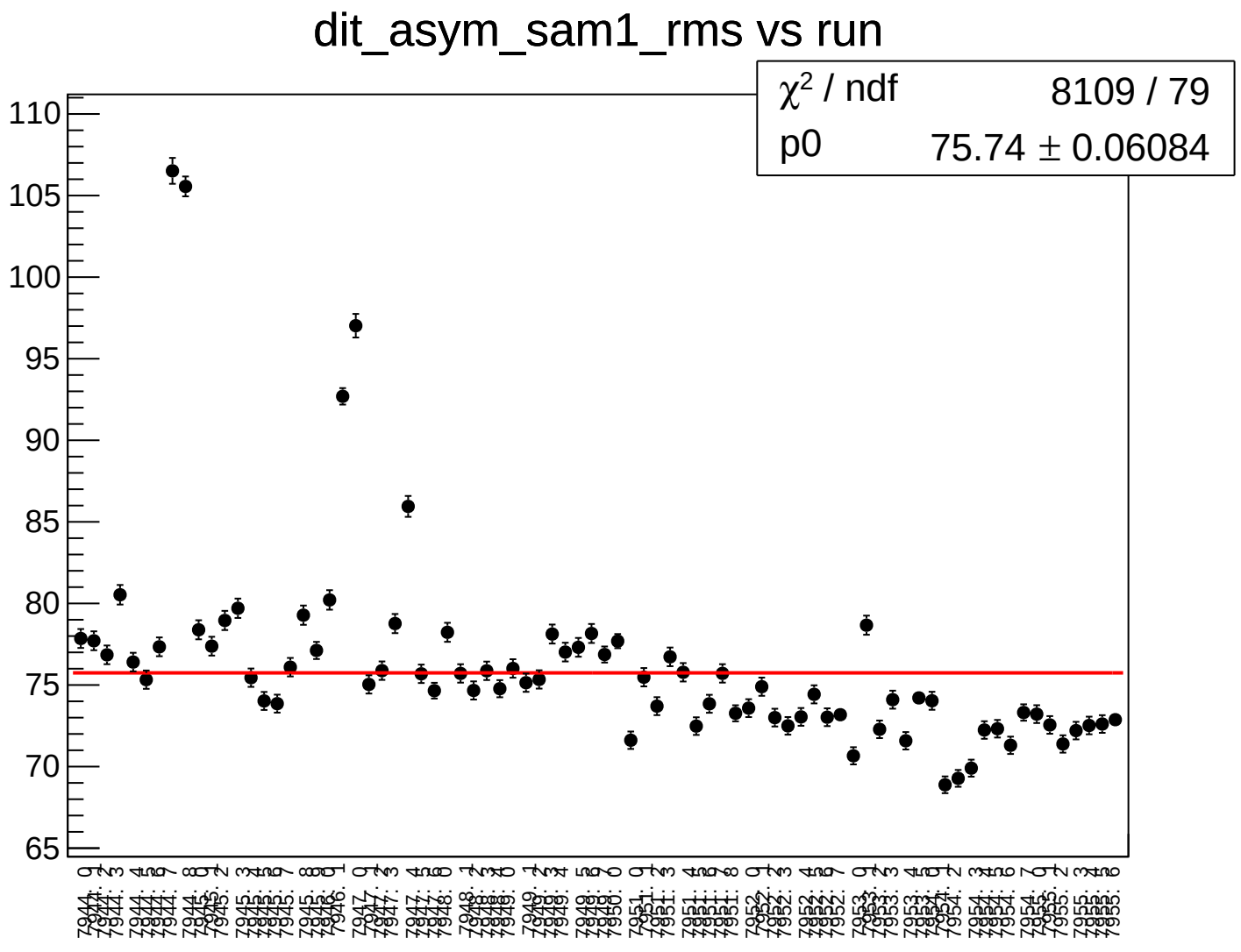

asym_atr2_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 87.94 / 79
p0 8080 ± 1.633e+04
pull
Entries 80
Mean −84.97
Std Dev 121.7
2
1
0
−1
−2
−3

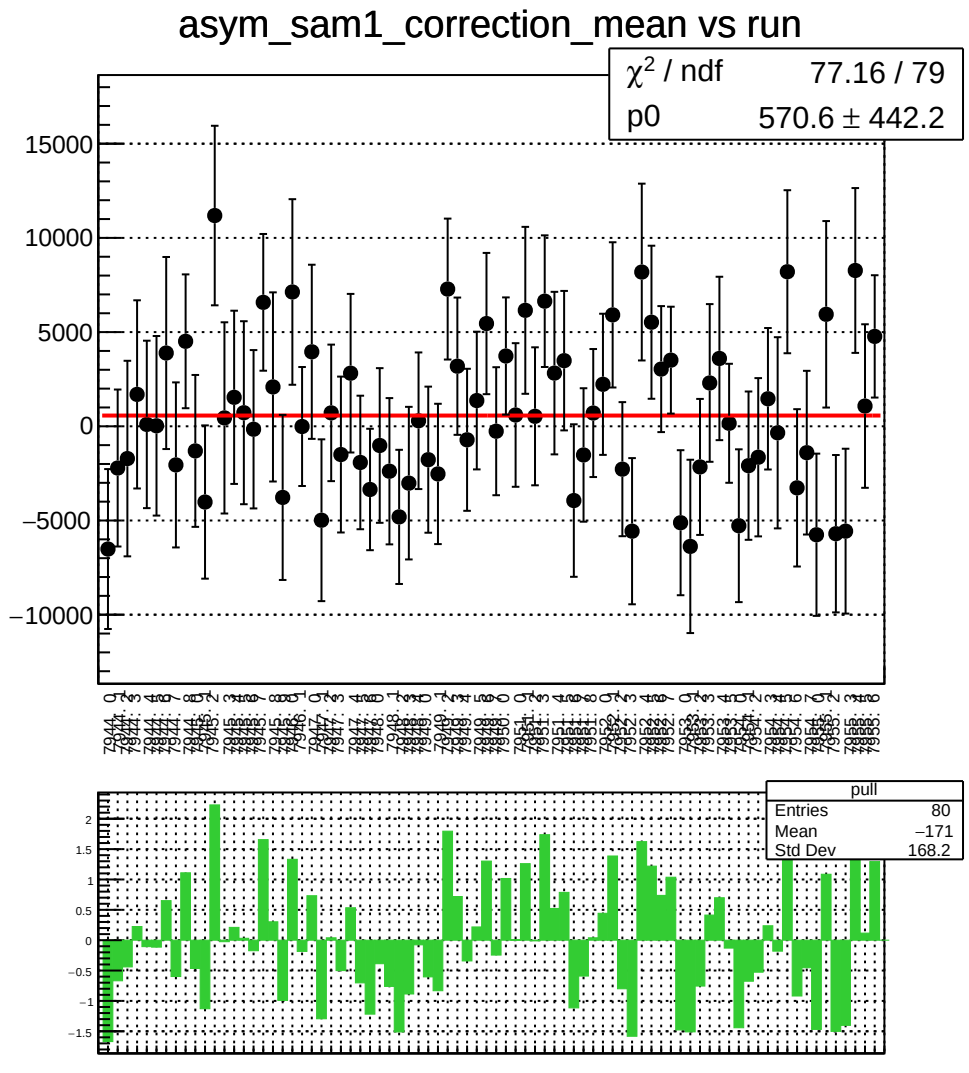

pull1D
Entries 80
Mean −0.02046
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

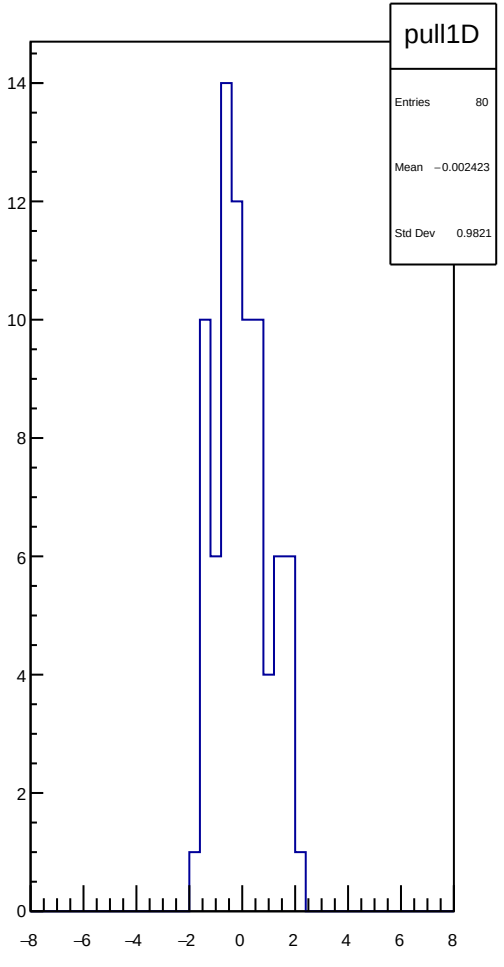

asym_atr2_rms vs run
χ^2 / ndf 3636 / 79
p0 1.44e+04 ± 11.55
16500
16000
15500
15000
14500
14000
13500
13000

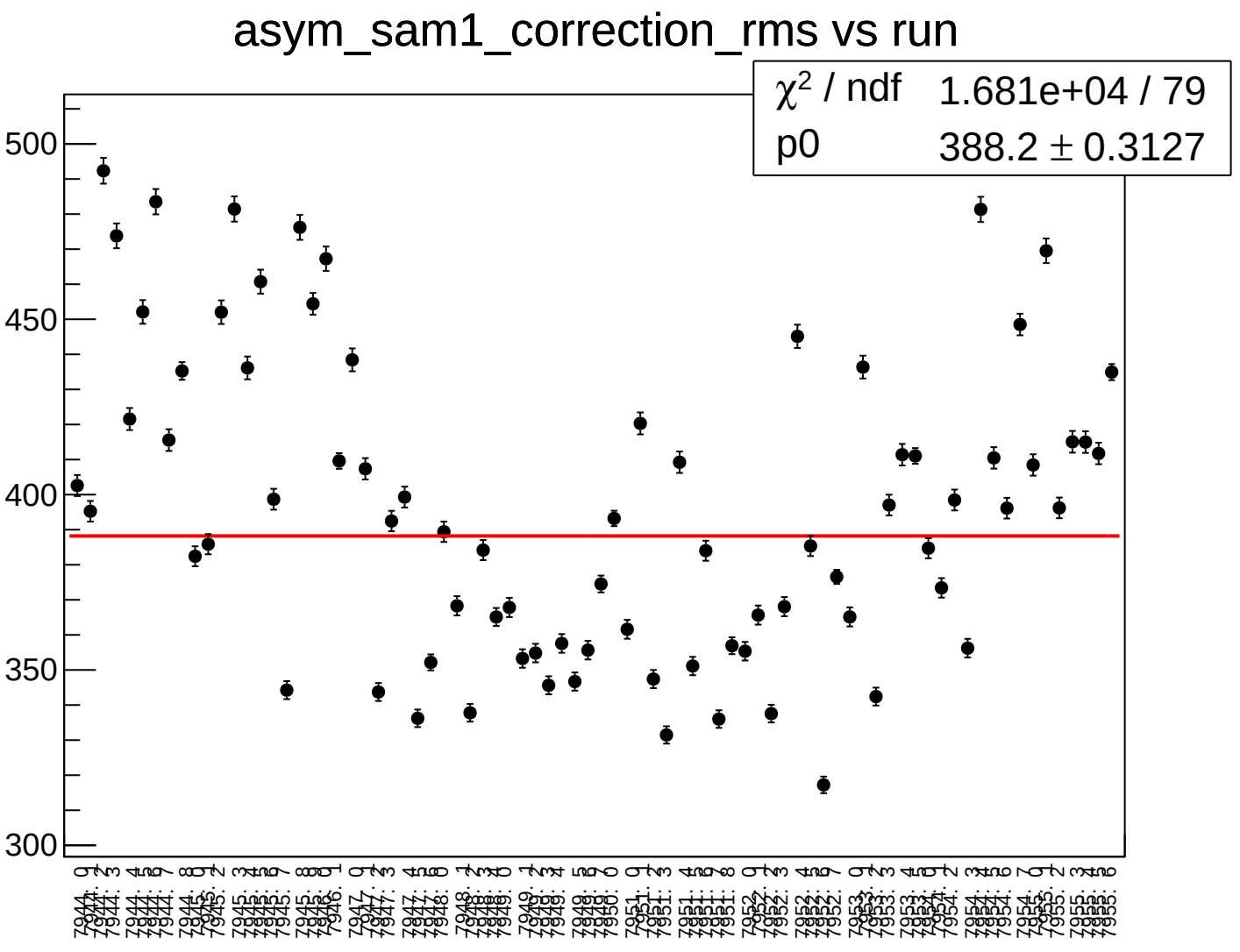

dit_asym_sam1_mean vs run
χ^2 / ndf 77.77 / 79
p0 35.7 ± 86.04
pull
Entries 80
Mean −6.87
Std Dev 77.46

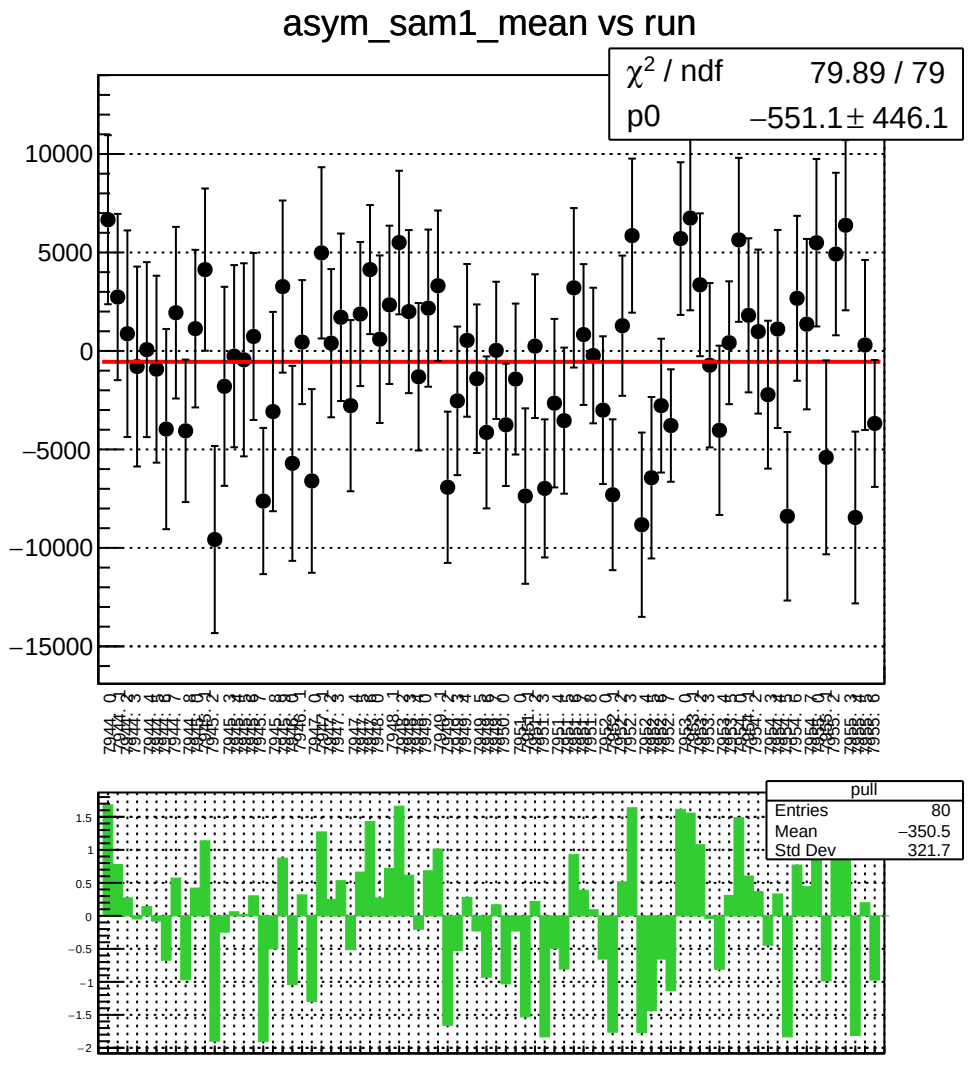

pull1D
Entries 80
Mean −0.01685
Std Dev 0.9858

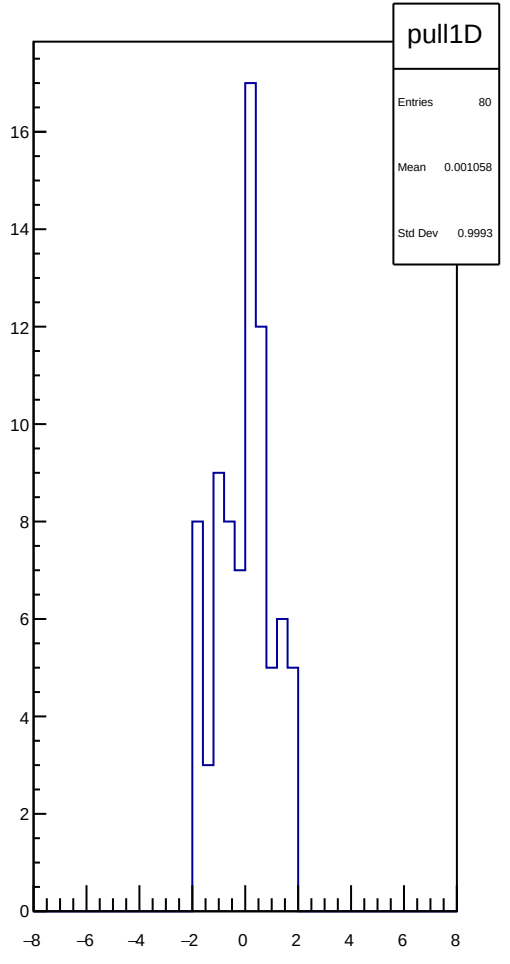

dit_asym_sam1_rms vs run
χ^2 / ndf 8109 / 79
p0 75.74 ± 0.06084
110
105
100
95
90
85
80
75
70
65

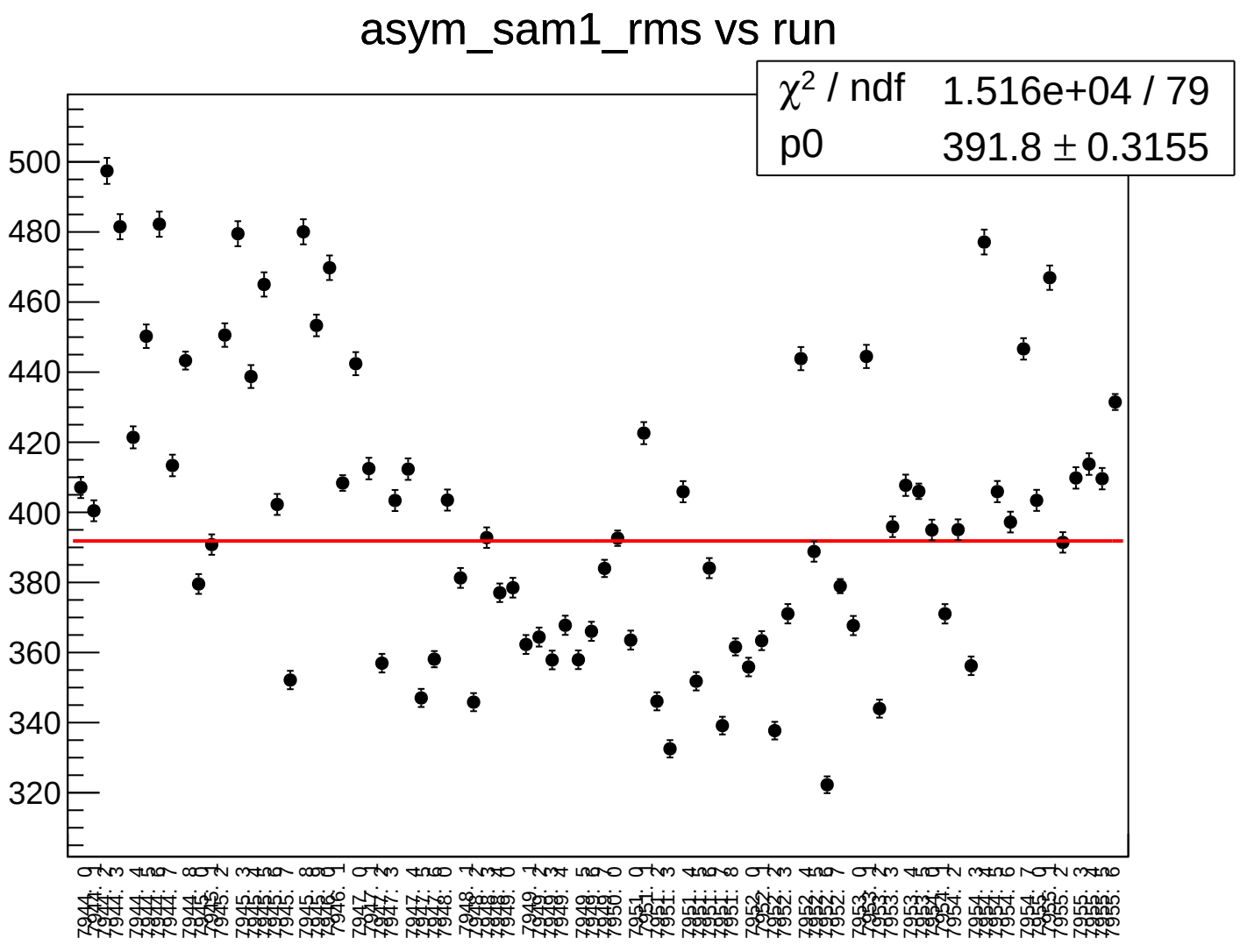

asym_sam1_correction_mean vs run
χ² / ndf 77.16 / 79
p0 570.6 ± 442.2
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −171
Std Dev 168.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

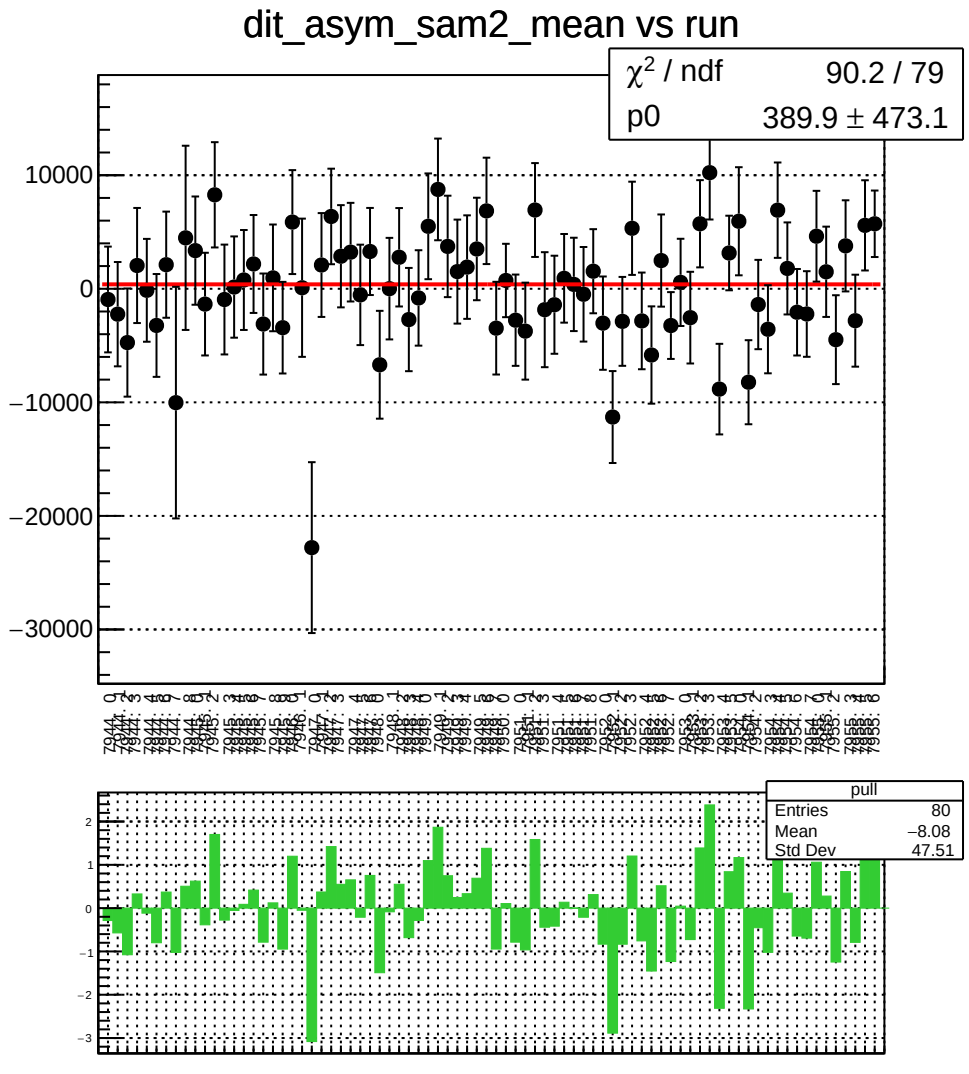

pull1D
Entries 80
Mean −0.002423
Std Dev 0.9821
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

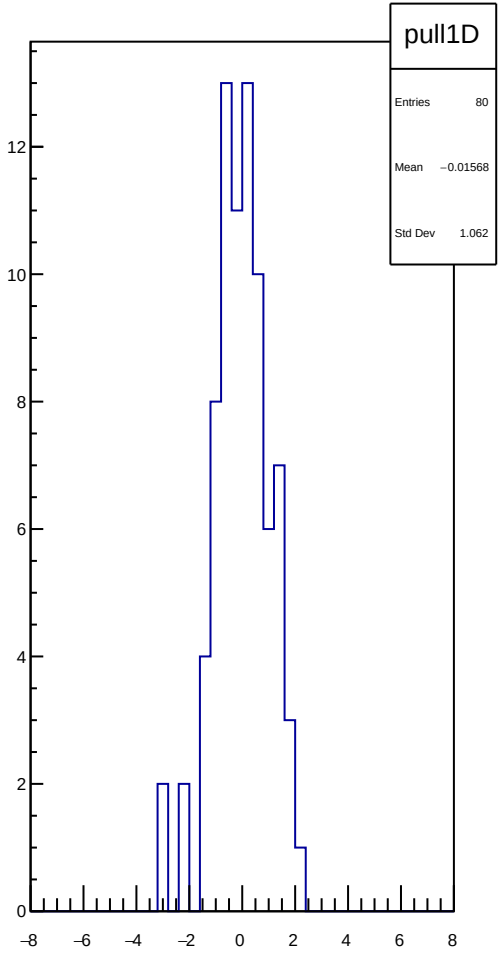

asym_sam1_correction_rms vs run
χ² / ndf 1.681e+04 / 79
p0 388.2 ± 0.3127
500
450
400
350
300

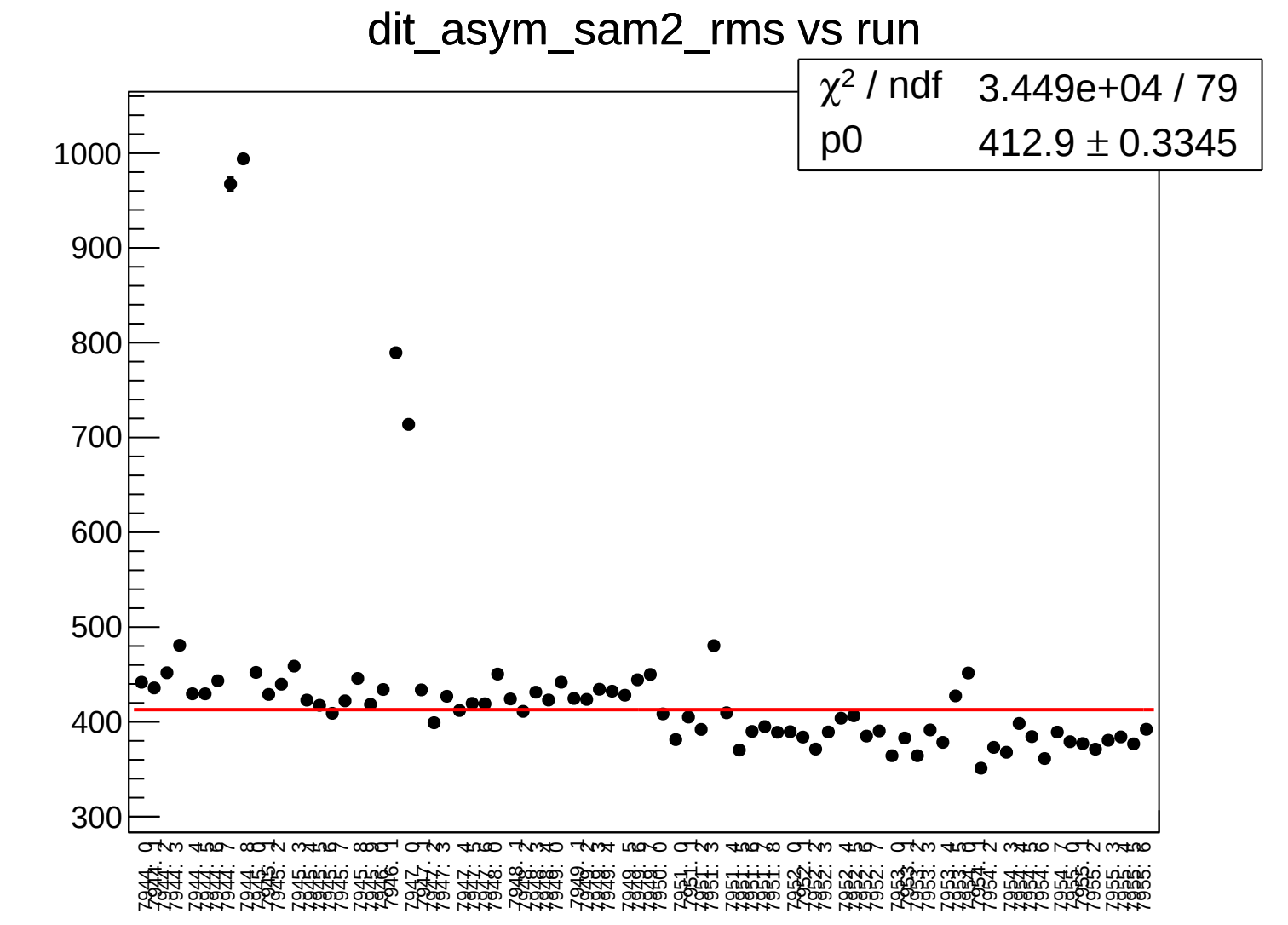

asym_sam1_mean vs run
χ² / ndf 79.89 / 79
p0 −551.1 ± 446.1
pull
Entries 80
Mean −350.5
Std Dev 321.7

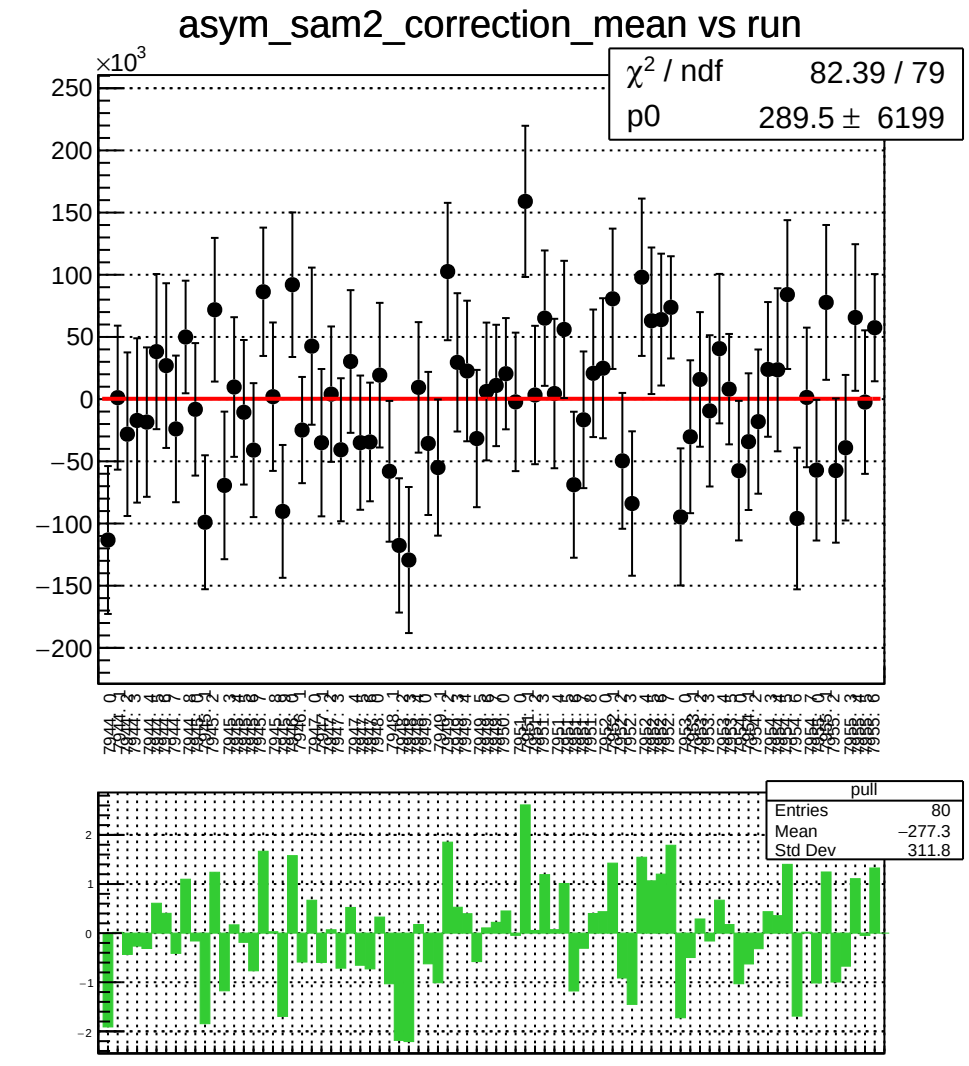

pull1D
Entries 80
Mean 0.001058
Std Dev 0.9993

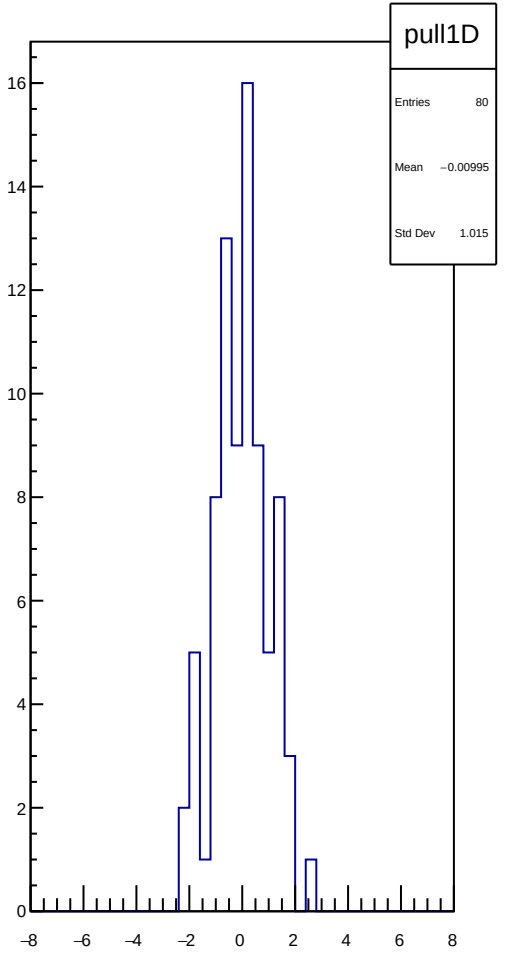

asym_sam1_rms vs run
χ² / ndf 1.516e+04 / 79
p0 391.8 ± 0.3155
500
480
460
440
420
400
380
360
340
320

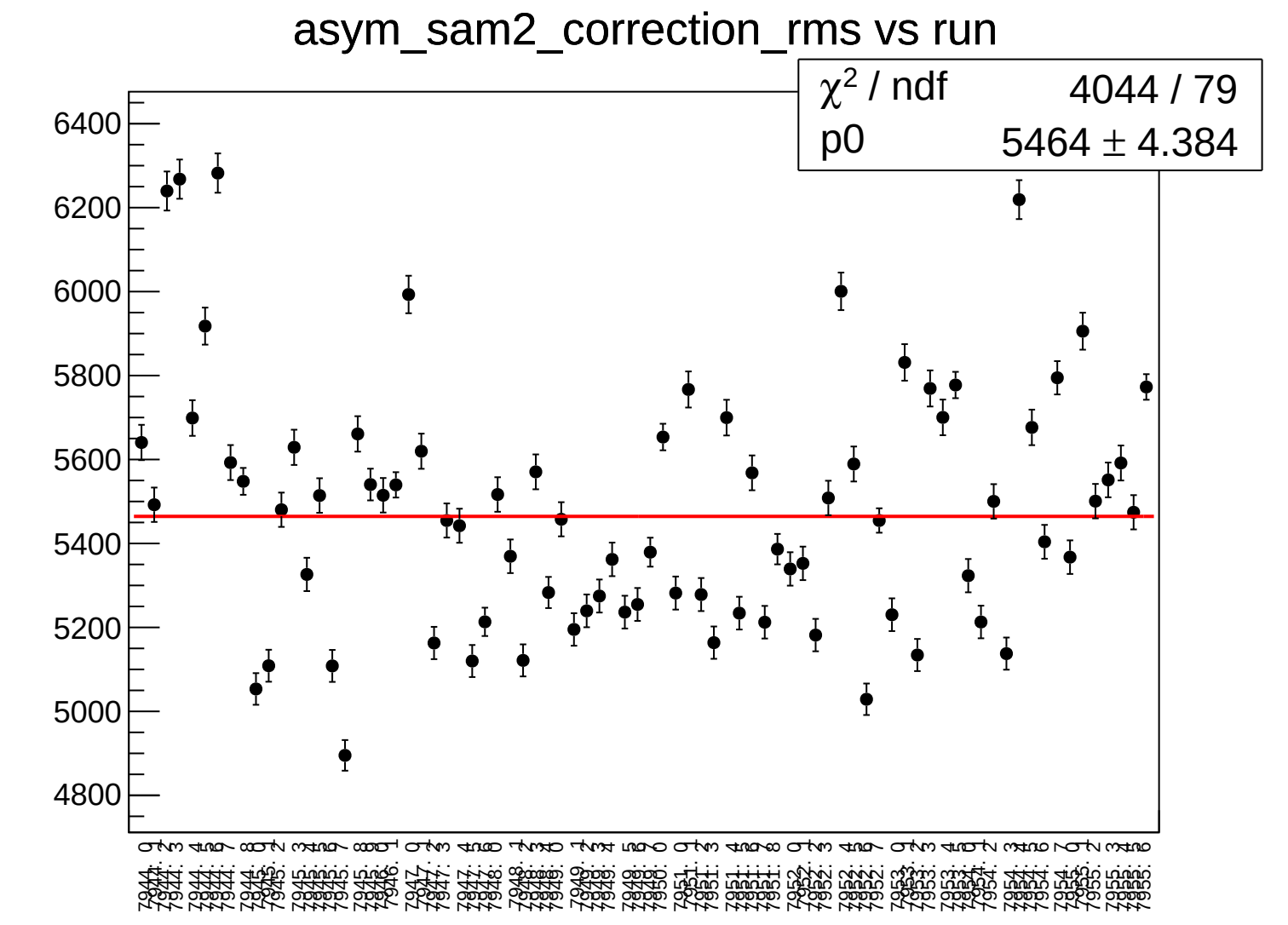

dit_asym_sam2_mean vs run
χ² / ndf 90.2 / 79
p0 389.9 ± 473.1
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −8.08
Std Dev 47.51
2
1
0
−1
−2
−3

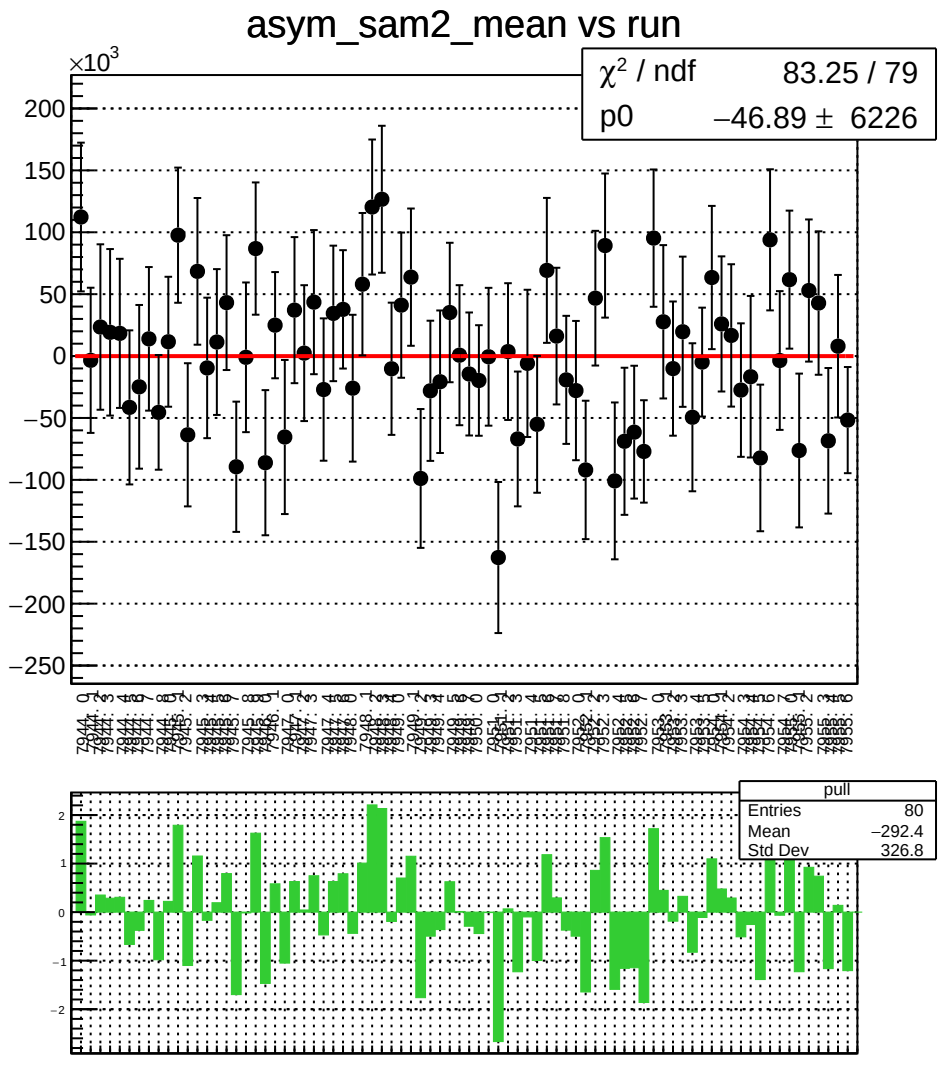

pull1D
Entries 80
Mean −0.01568
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

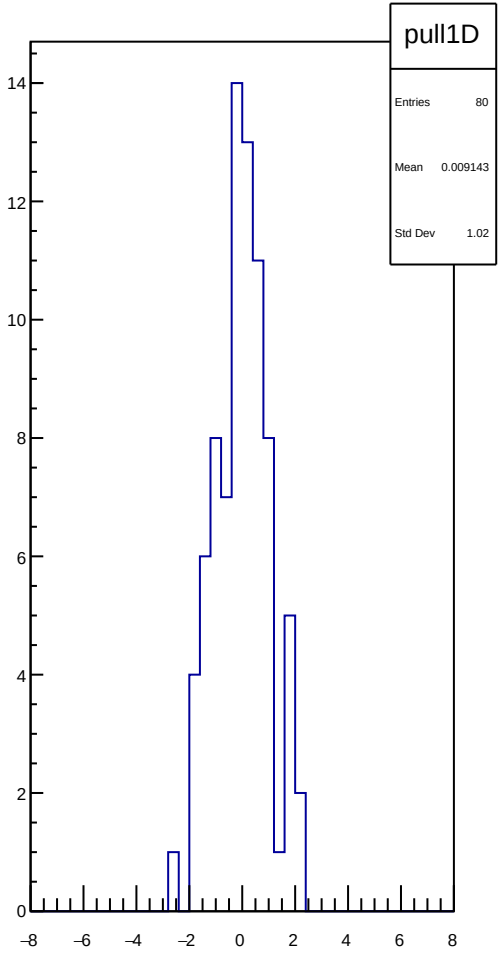

dit_asym_sam2_rms vs run
χ² / ndf 3.449e+04 / 79
p0 412.9 ± 0.3345
1000
900
800
700
600
500
400
300

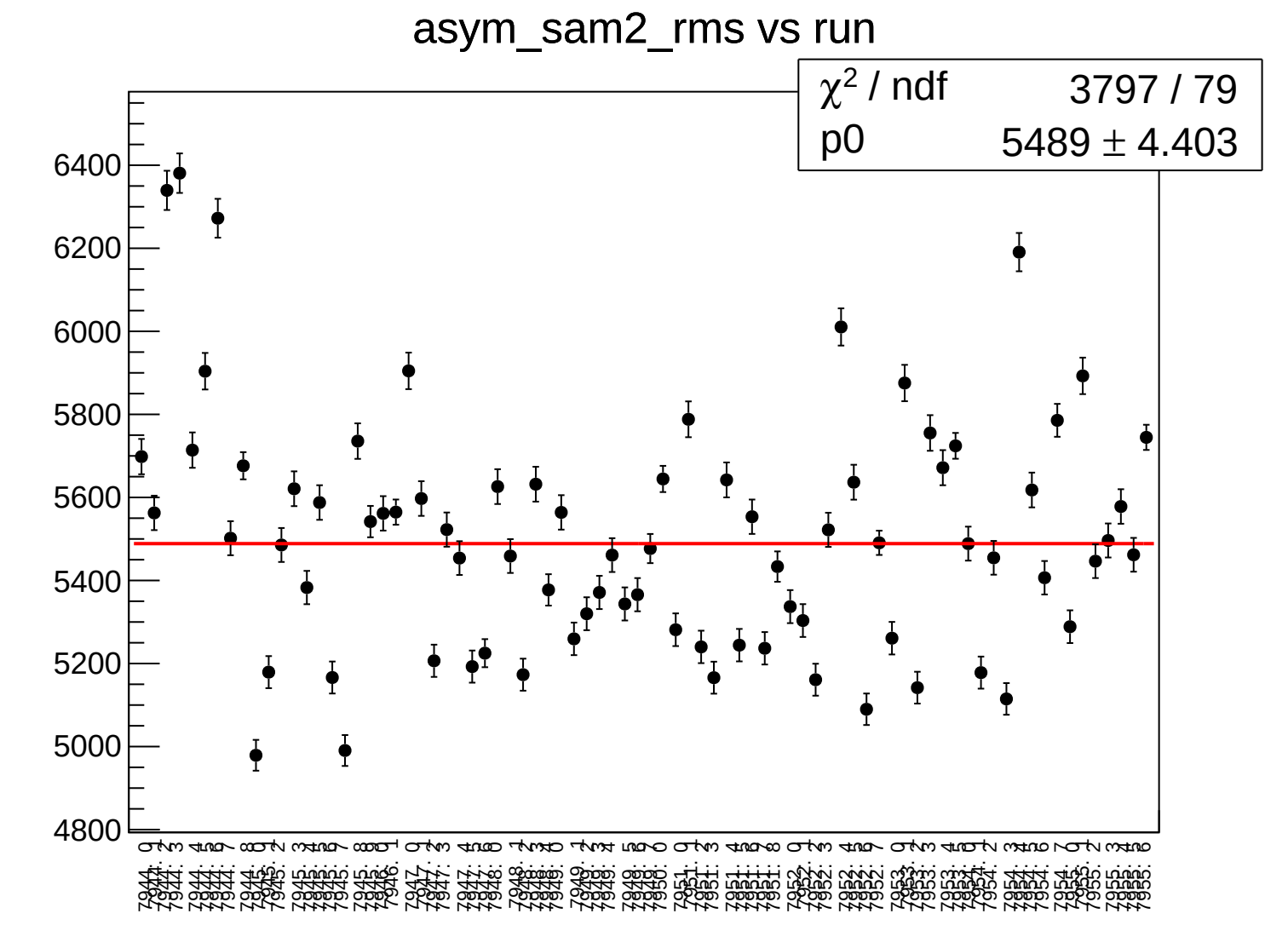

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 82.39 / 79
p0 289.5 ± 6199
pull
Entries 80
Mean −277.3
Std Dev 311.8

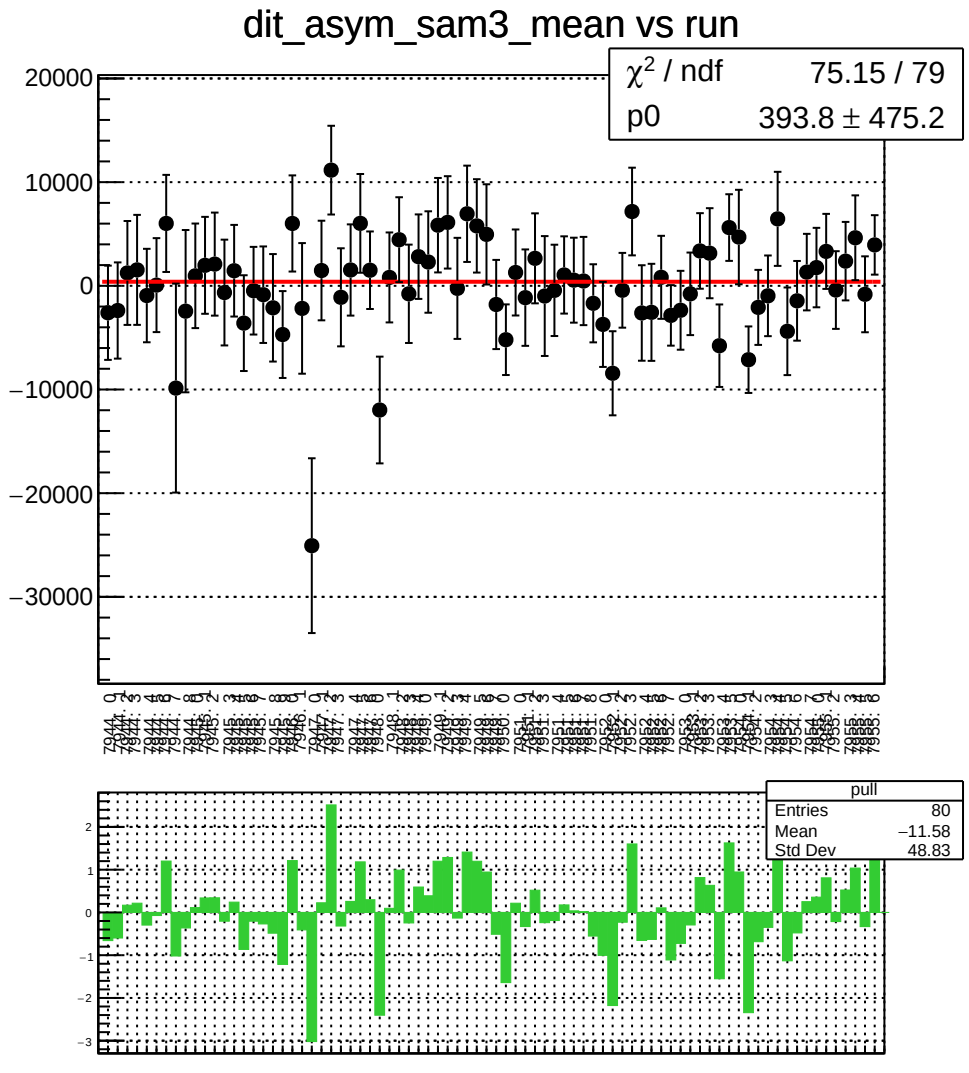

pull1D
Entries 80
Mean −0.00995
Std Dev 1.015

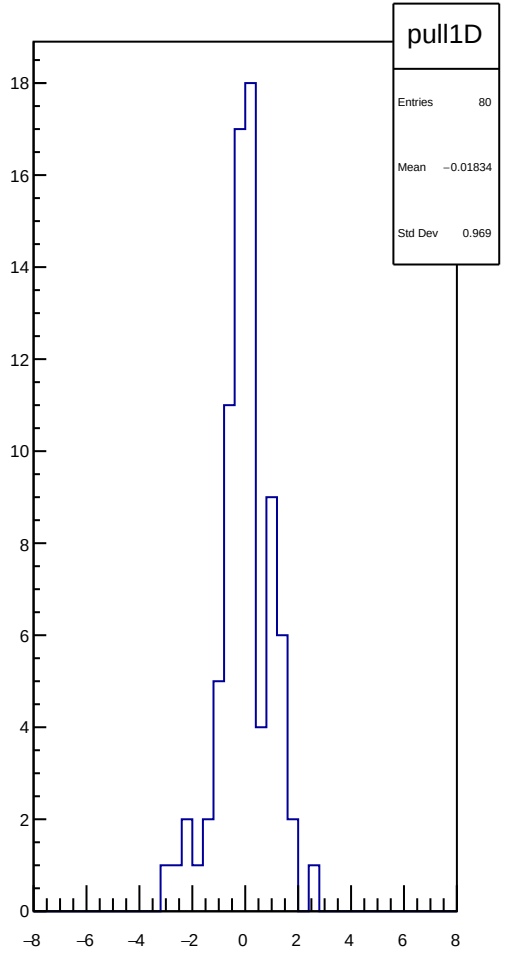

asym_sam2_correction_rms vs run
χ² / ndf 4044 / 79
p0 5464 ± 4.384
6400
6200
6000
5800
5600
5400
5200
5000
4800

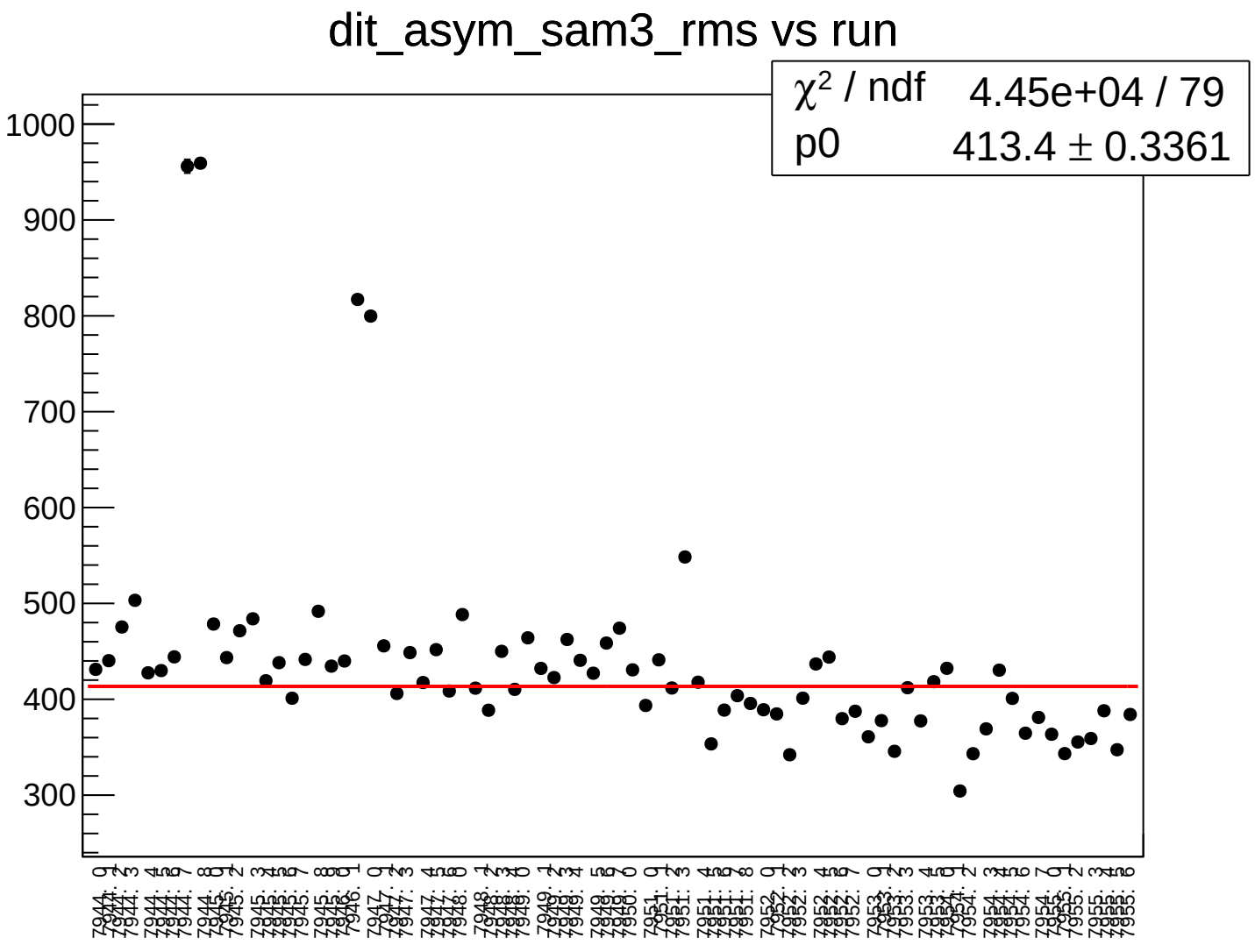

asym_sam2_mean vs run
×10^3
χ² / ndf 83.25 / 79
p0 −46.89 ± 6226
pull
Entries 80
Mean −292.4
Std Dev 326.8

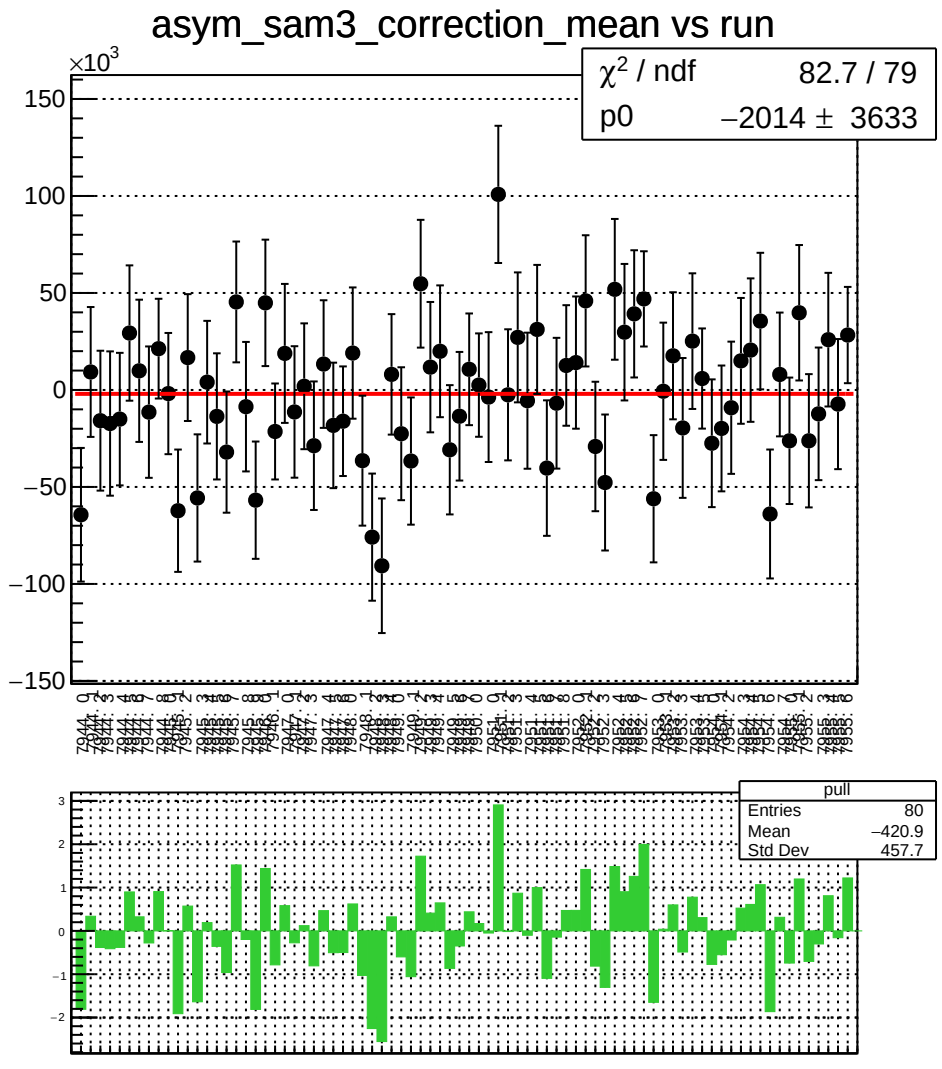

pull1D
Entries 80
Mean 0.009143
Std Dev 1.02

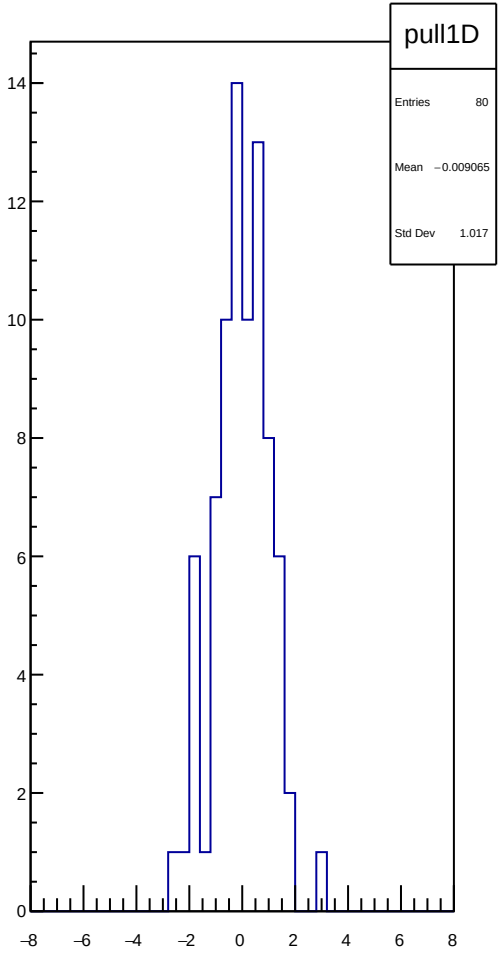

asym_sam2_rms vs run
χ² / ndf 3797 / 79
p0 5489 ± 4.403
6400
6200
6000
5800
5600
5400
5200
5000
4800

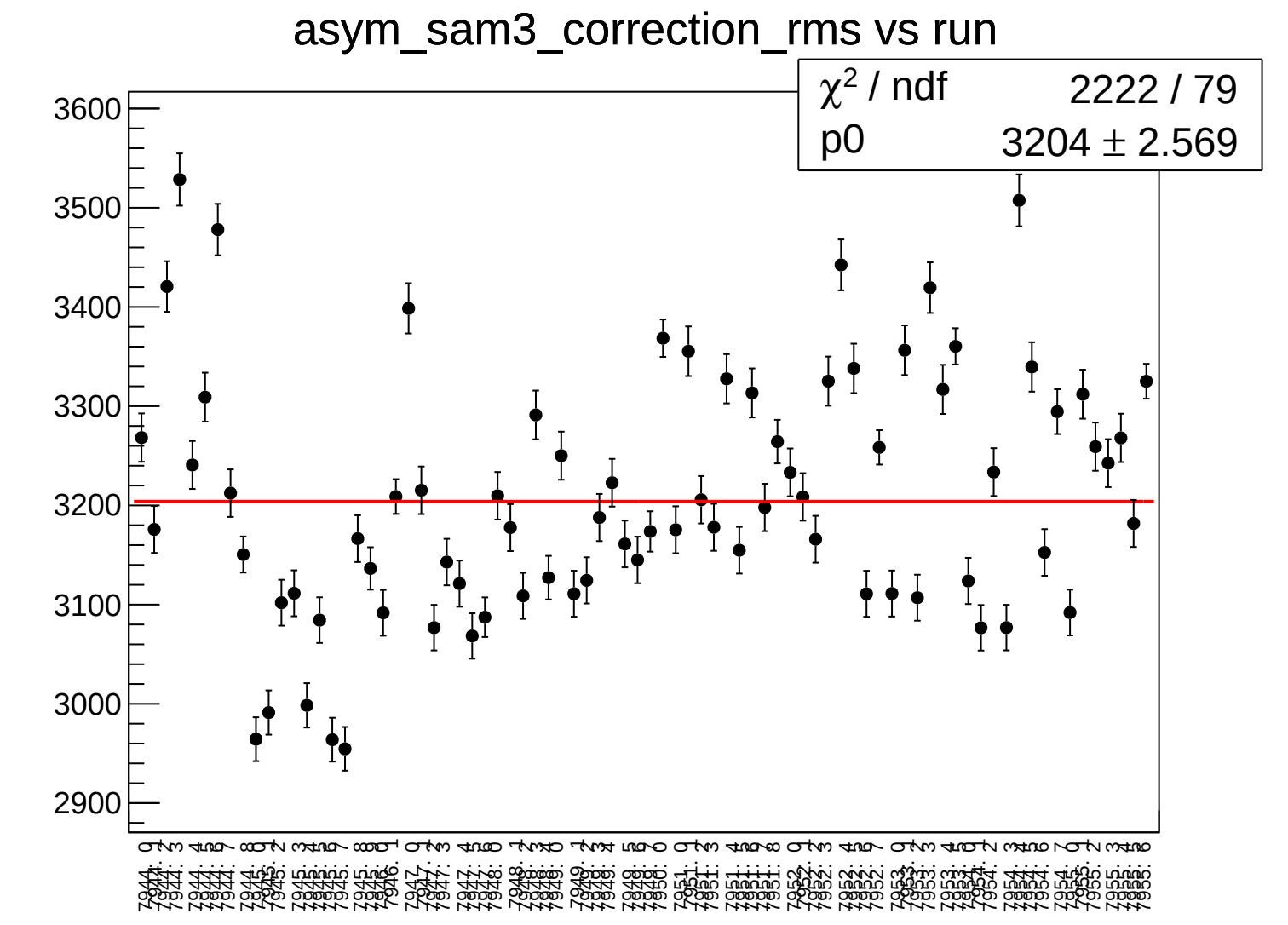

dit_asym_sam3_mean vs run
χ² / ndf 75.15 / 79
p0 393.8 ± 475.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −11.58
Std Dev 48.83
2
1
0
−1
−2
−3

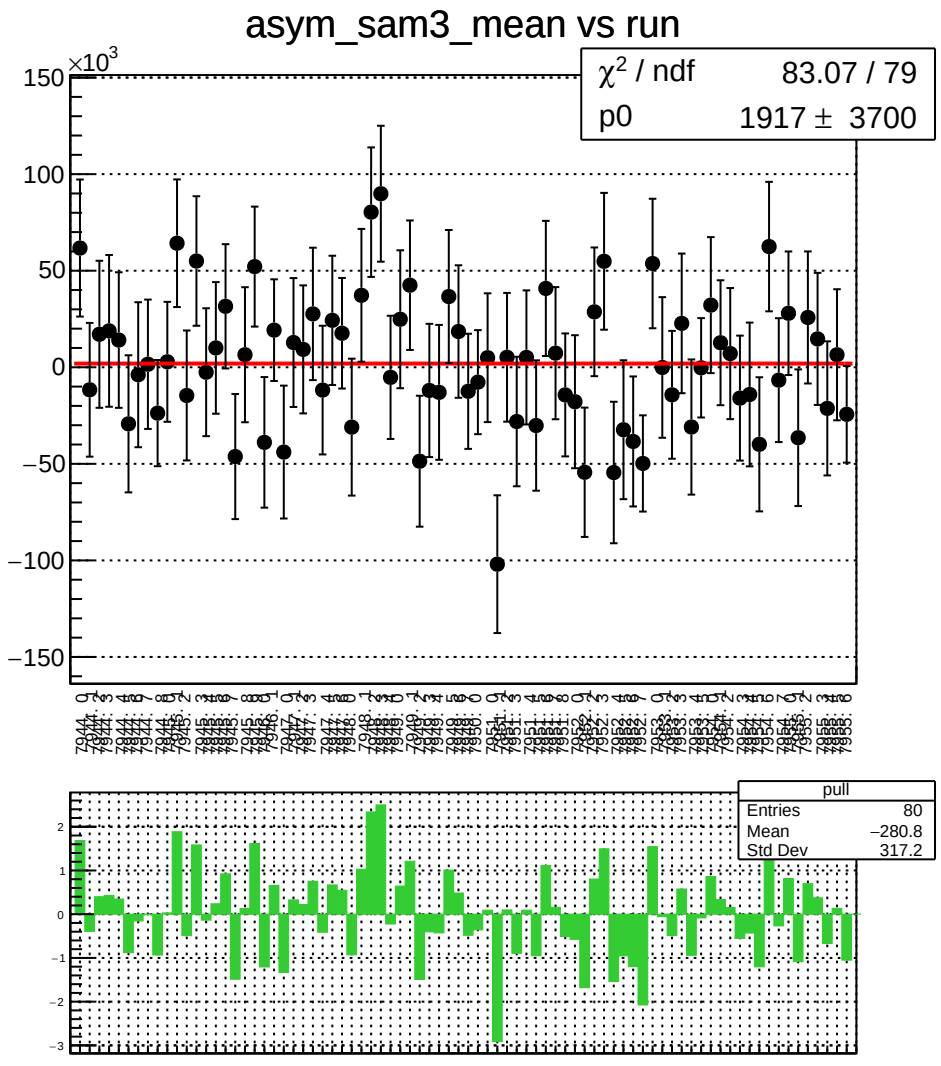

pull1D
Entries 80
Mean −0.01834
Std Dev 0.969
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

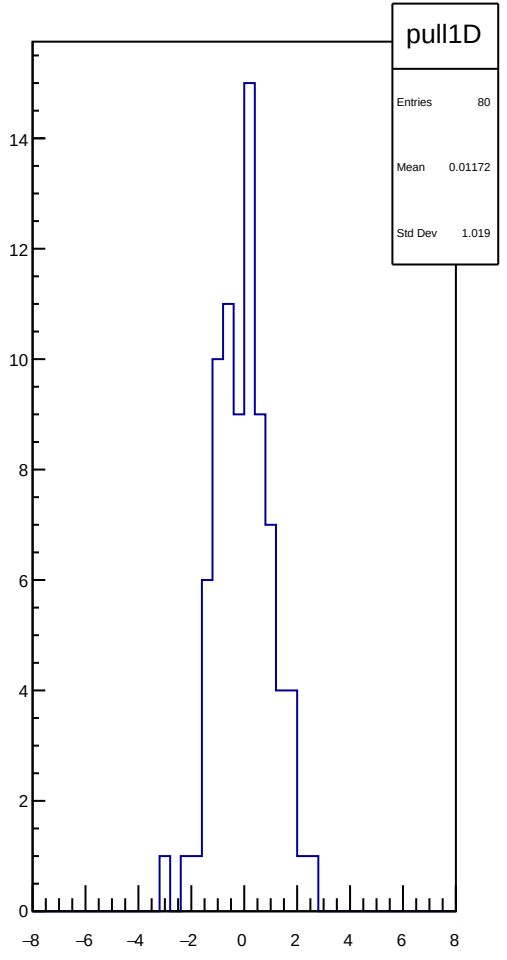

dit_asym_sam3_rms vs run
χ² / ndf 4.45e+04 / 79
p0 413.4 ± 0.3361
1000
900
800
700
600
500
400
300

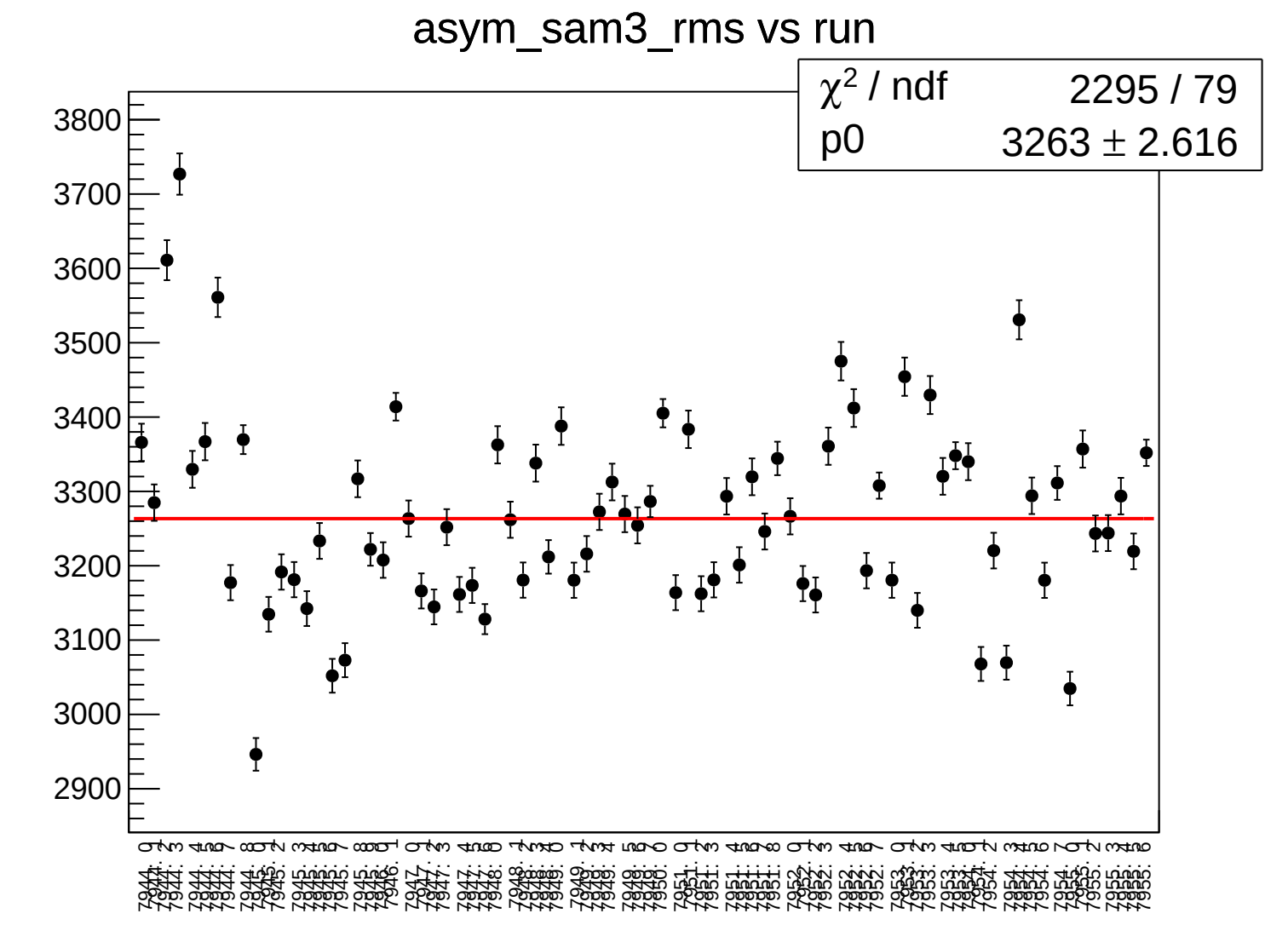

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 82.7 / 79
p0 −2014 ± 3633
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −420.9
Std Dev 457.7
3
2
1
0
−1
−2

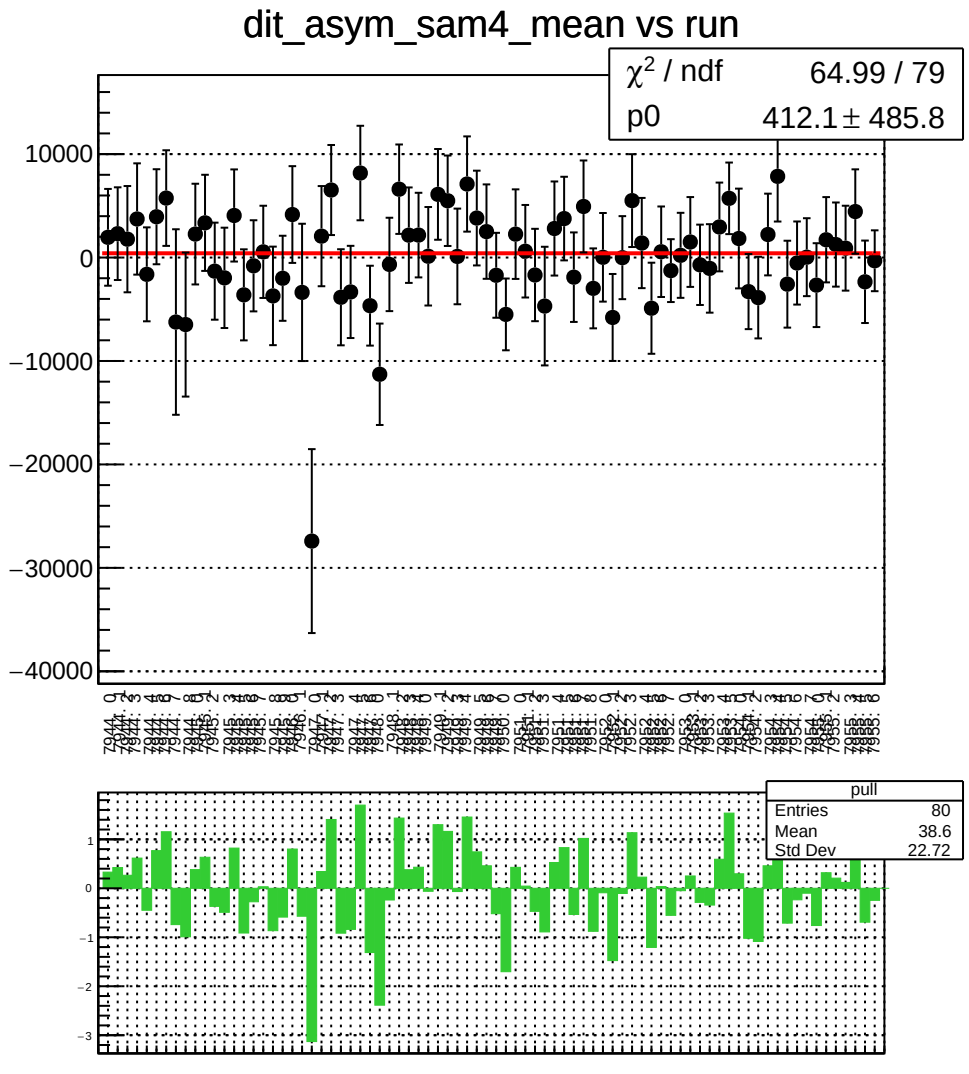

pull1D
Entries 80
Mean −0.009065
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

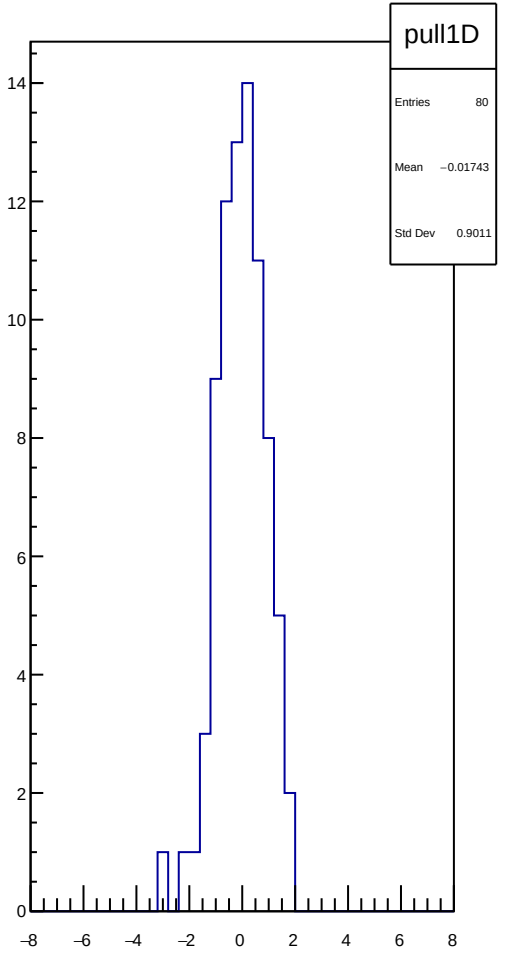

asym_sam3_correction_rms vs run
χ² / ndf 2222 / 79
p0 3204 ± 2.569
3600
3500
3400
3300
3200
3100
3000
2900

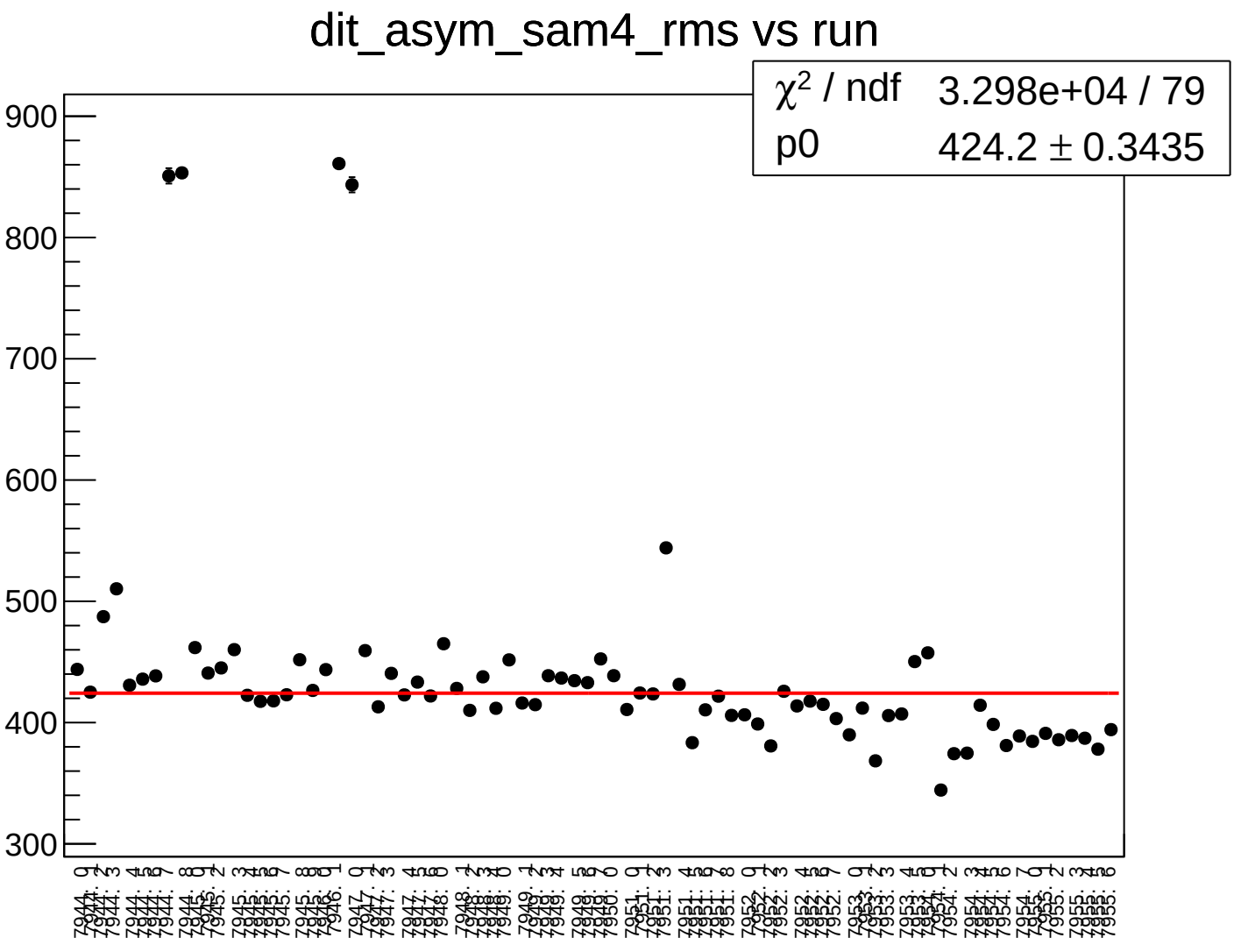

asym_sam3_mean vs run
×10^3
χ² / ndf 83.07 / 79
p0 1917 ± 3700
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −280.8
Std Dev 317.2
2
1
0
−1
−2
−3

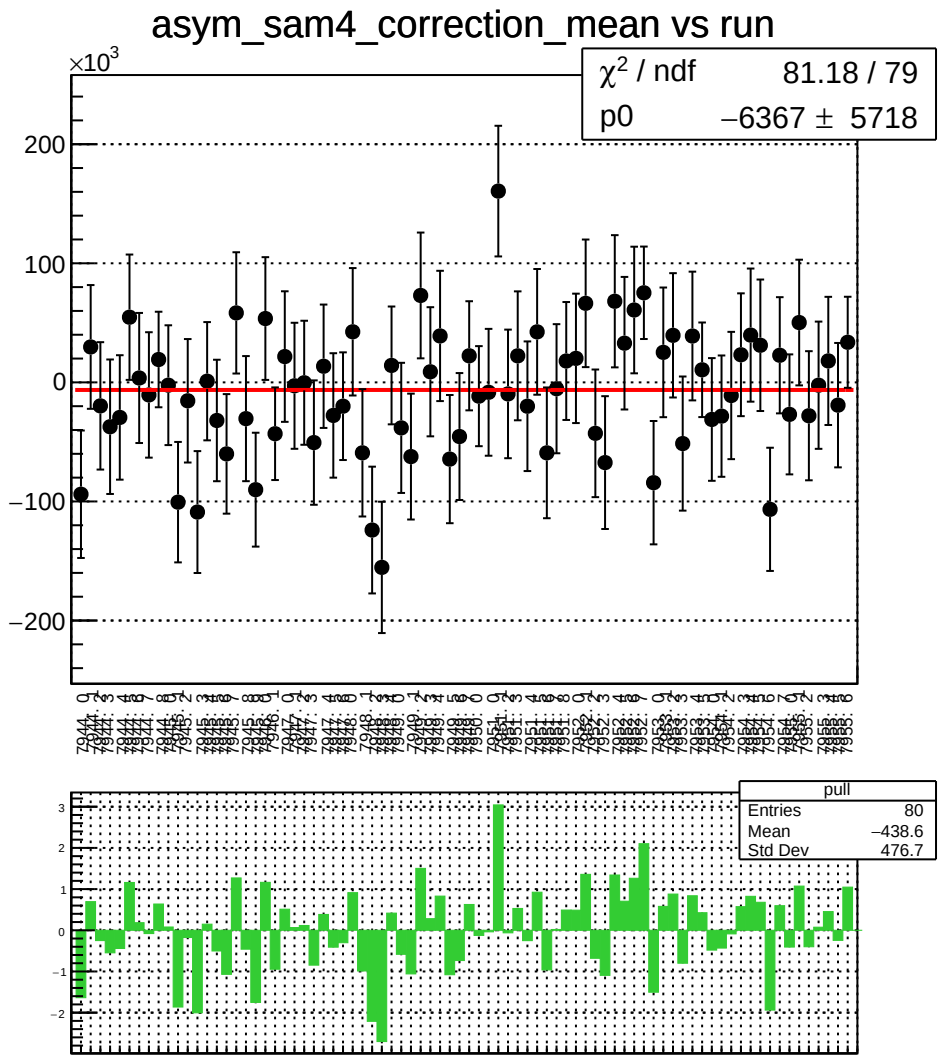

pull1D
Entries 80
Mean 0.01172
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

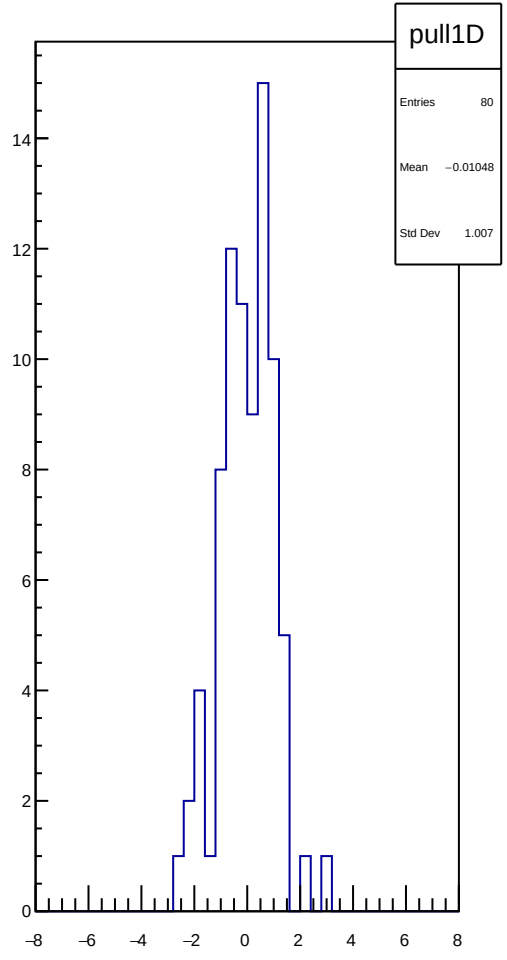

asym_sam3_rms vs run
χ² / ndf 2295 / 79
p0 3263 ± 2.616
3800
3700
3600
3500
3400
3300
3200
3100
3000
2900

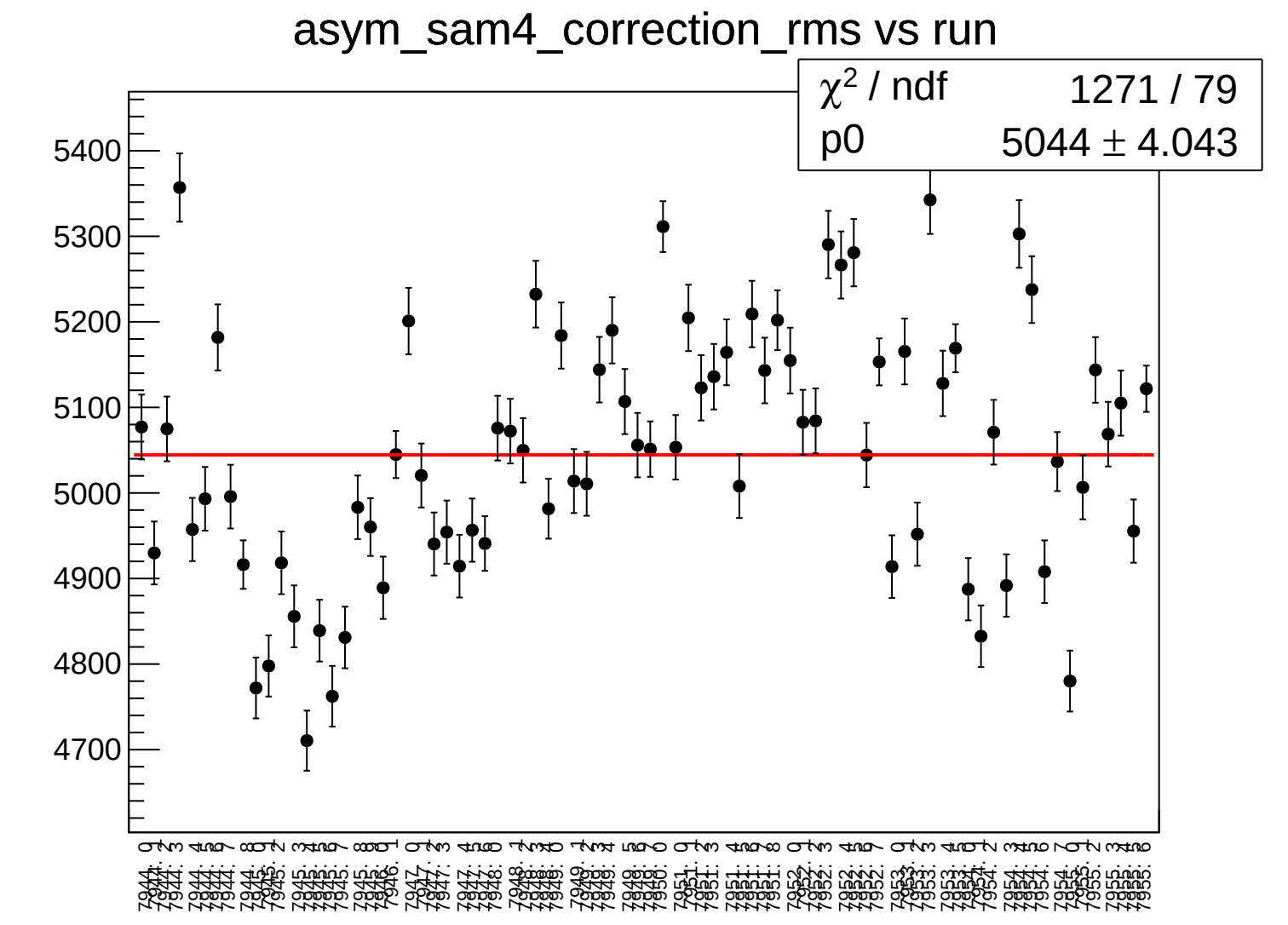

dit_asym_sam4_mean vs run
χ² / ndf 64.99 / 79
p0 412.1 ± 485.8
pull
Entries 80
Mean 38.6
Std Dev 22.72

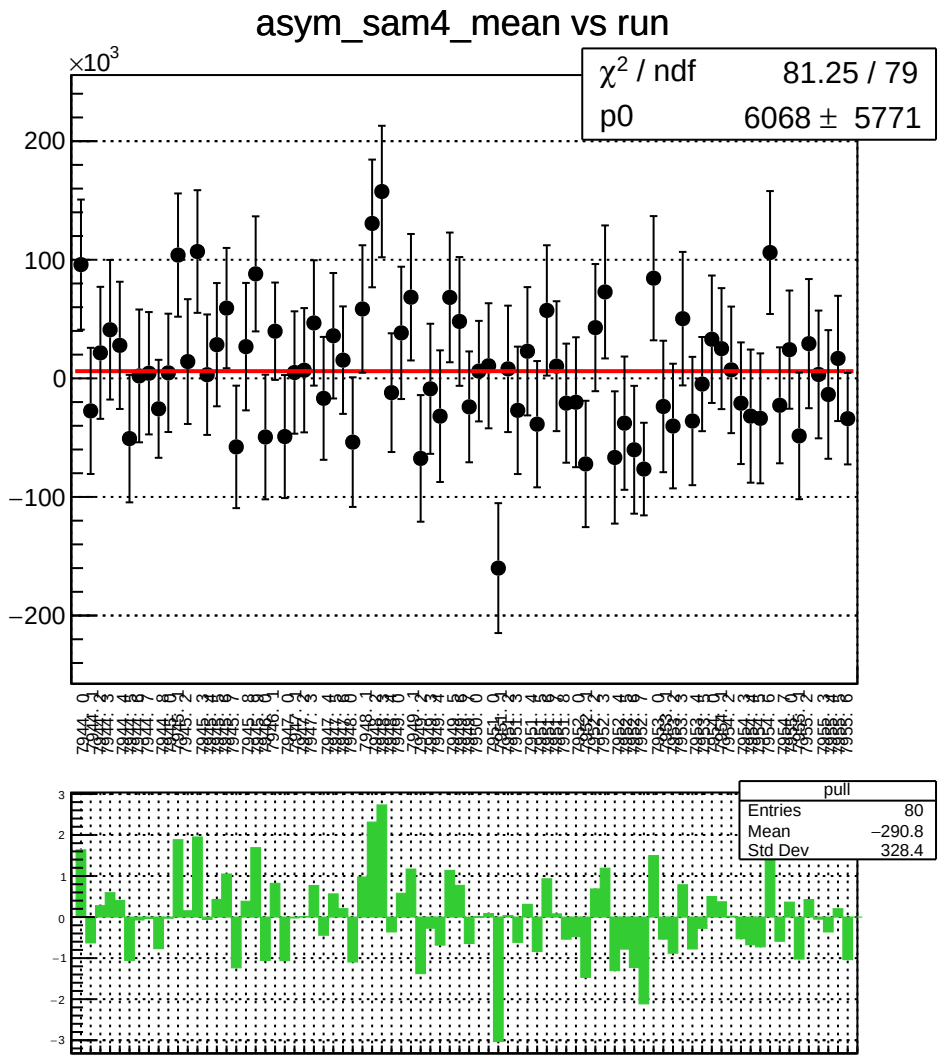

pull1D
Entries 80
Mean −0.01743
Std Dev 0.9011

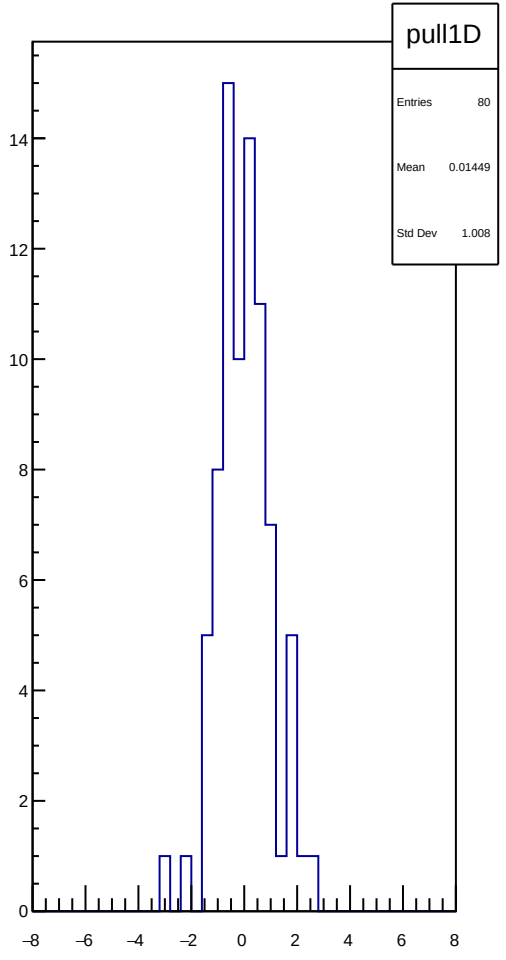

dit_asym_sam4_rms vs run
χ^2 / ndf 3.298e+04 / 79
p0 424.2 ± 0.3435
900
800
700
600
500
400
300

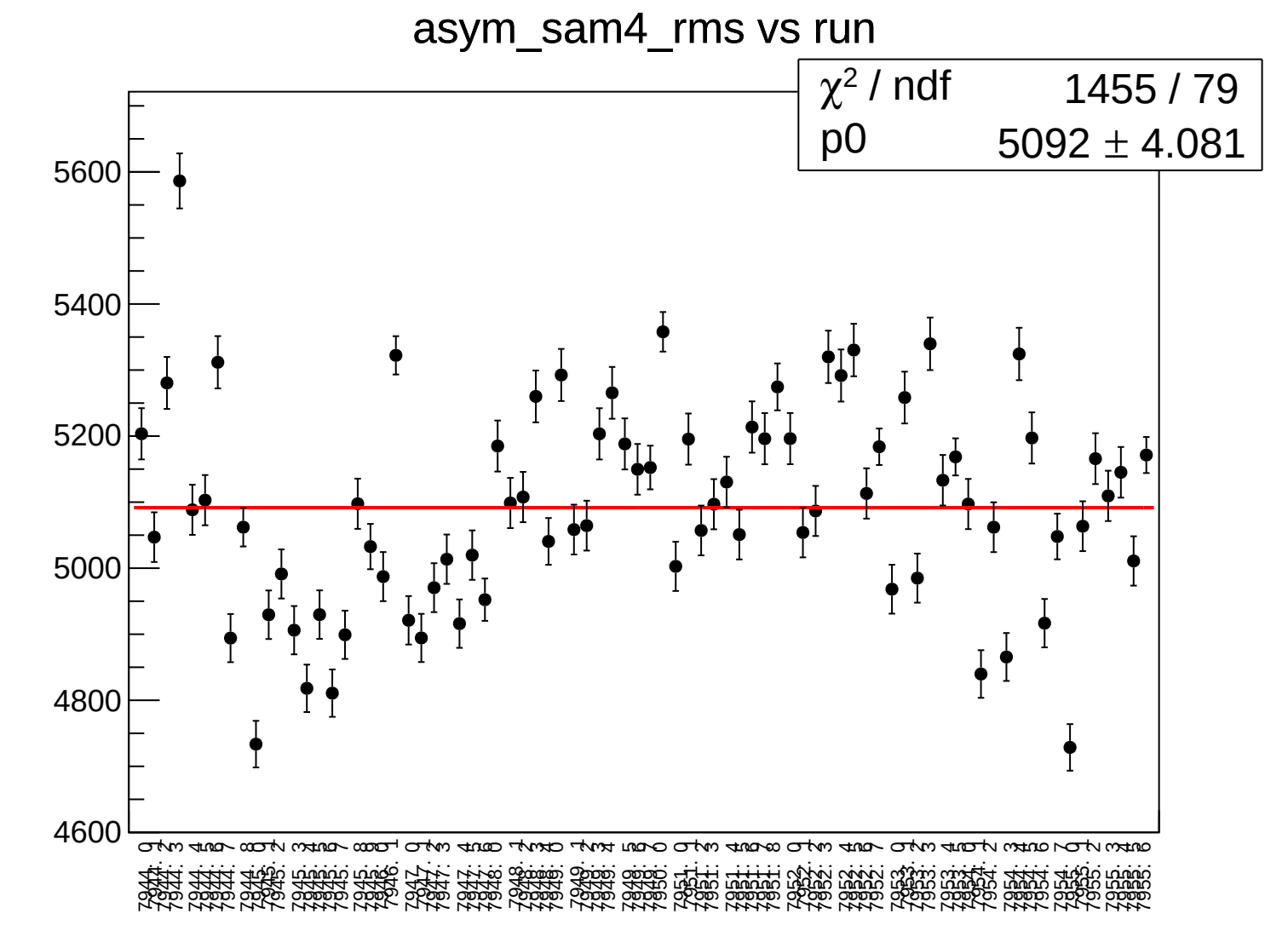

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 81.18 / 79
p0 −6367 ± 5718
200
100
0
−100
−200
pull
Entries 80
Mean −438.6
Std Dev 476.7
3
2
1
0
−1
−2

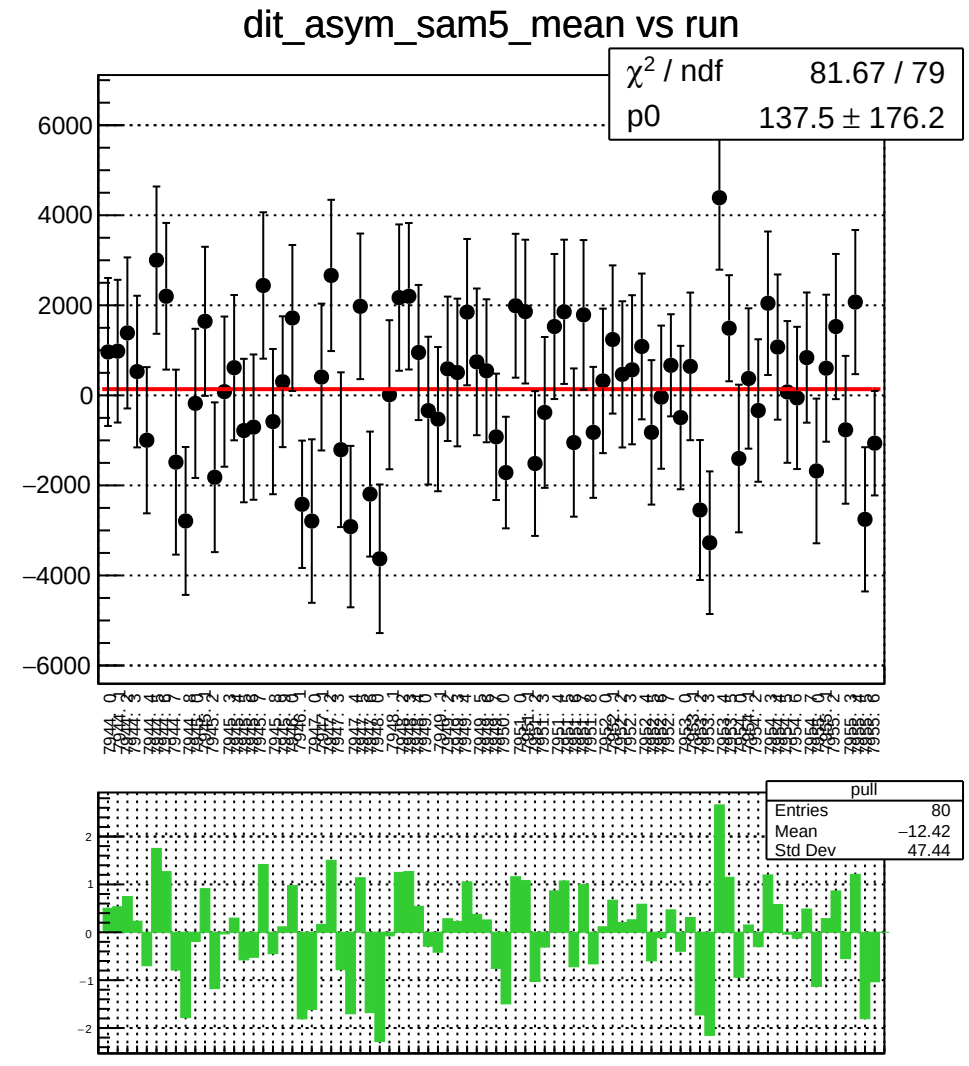

pull1D
Entries 80
Mean −0.01048
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

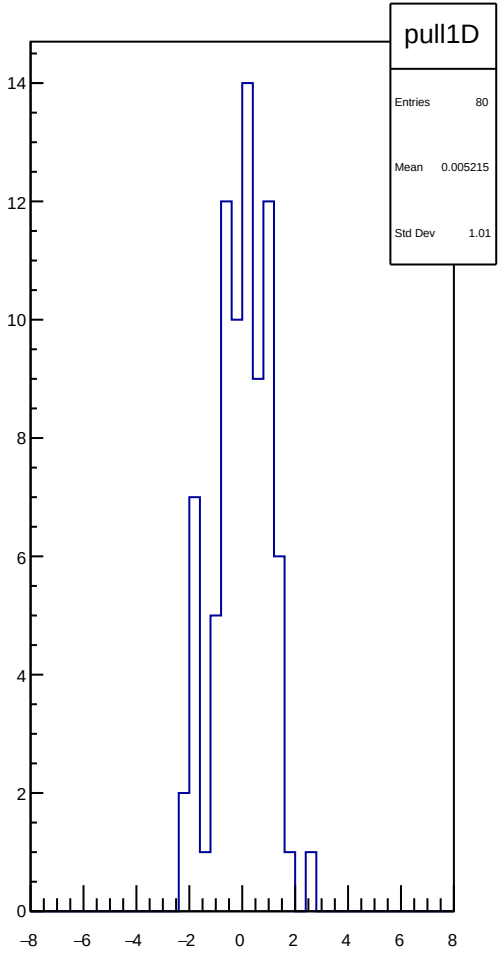

asym_sam4_correction_rms vs run
χ² / ndf 1271 / 79
p0 5044 ± 4.043
5400
5300
5200
5100
5000
4900
4800
4700

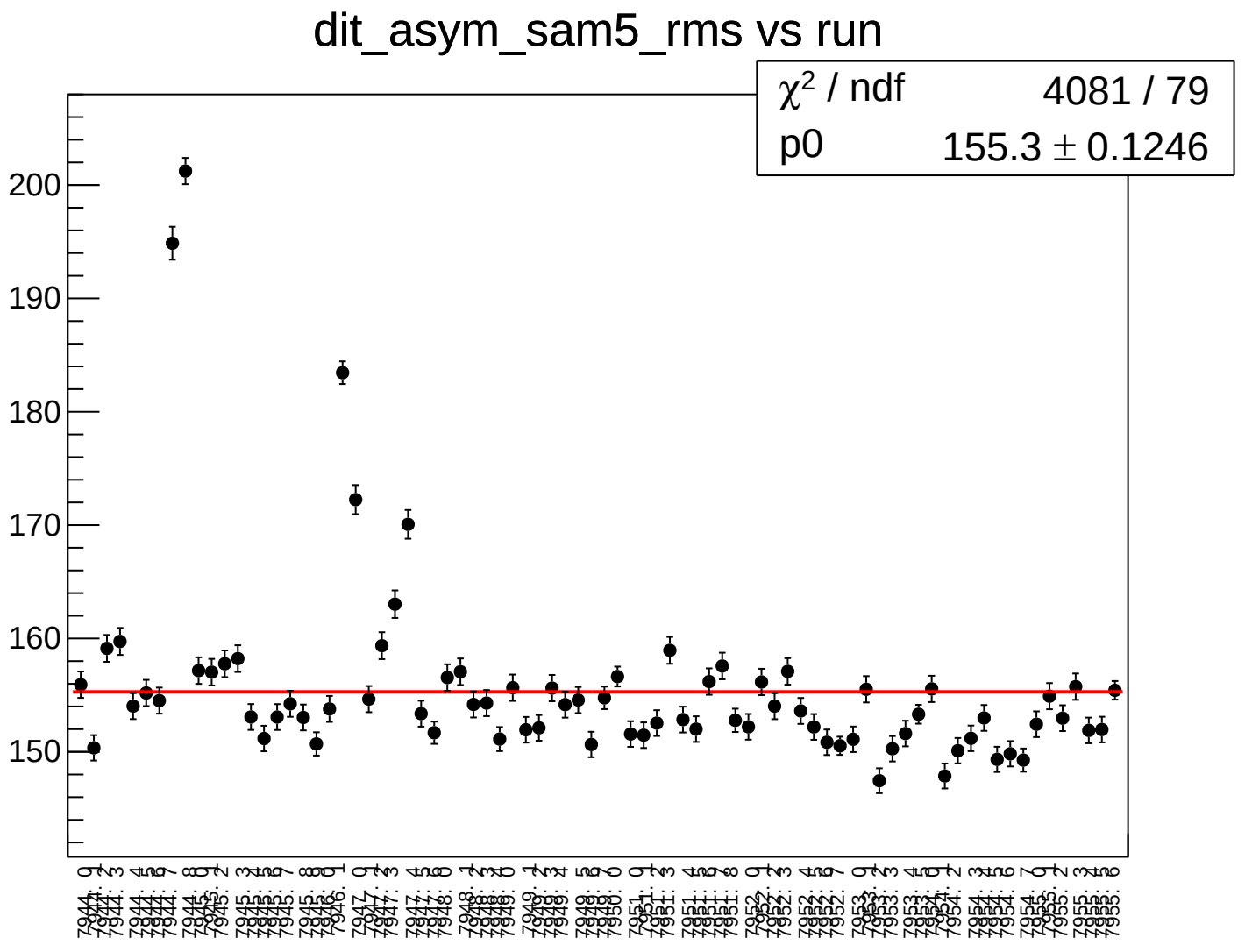

asym_sam4_mean vs run
×10^3
χ² / ndf 81.25 / 79
p0 6068 ± 5771
200
100
0
−100
−200
pull
Entries 80
Mean −290.8
Std Dev 328.4
3
2
1
0
−1
−2
−3

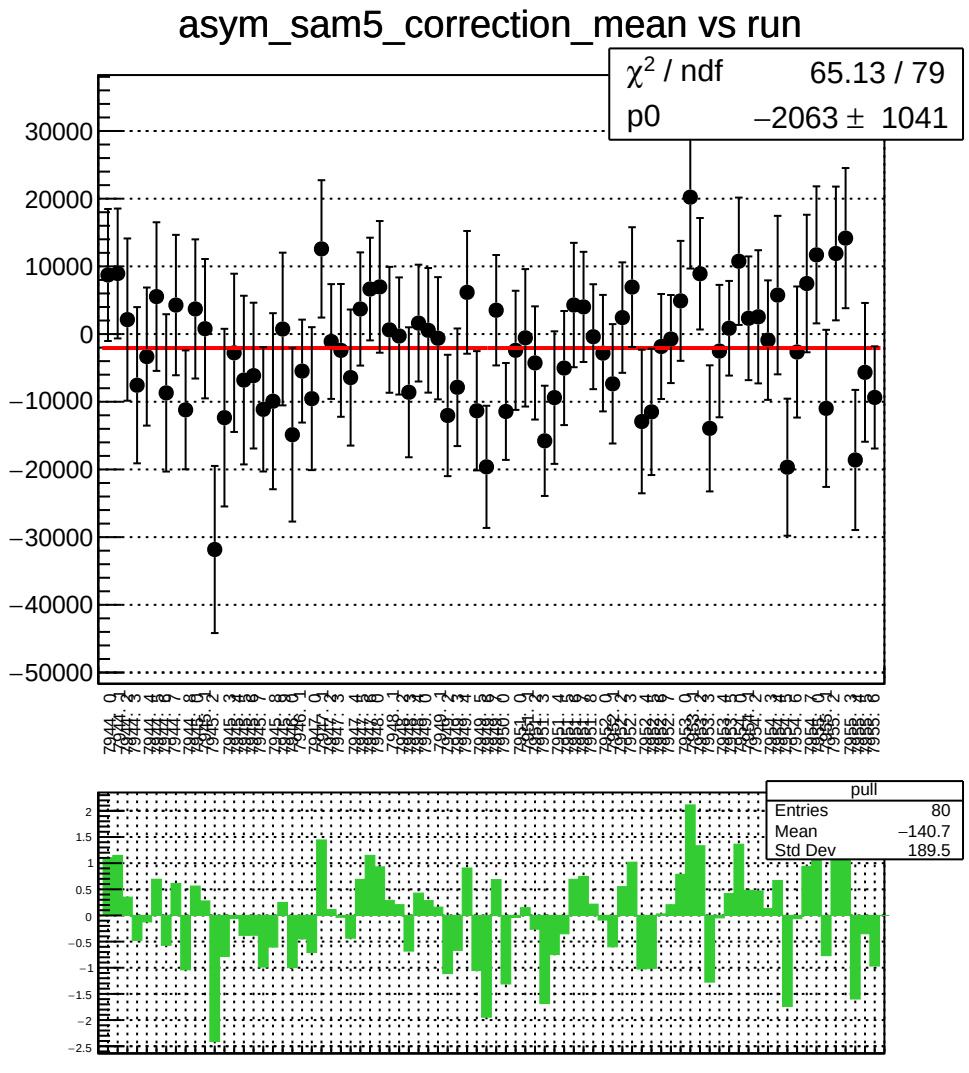

pull1D
Entries 80
Mean 0.01449
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

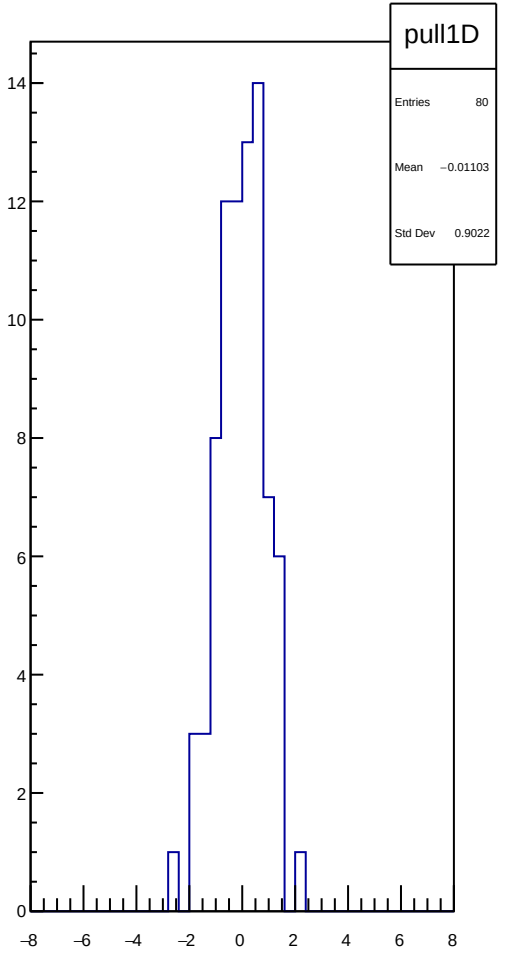

asym_sam4_rms vs run
χ² / ndf 1455 / 79
p0 5092 ± 4.081
5600
5400
5200
5000
4800
4600

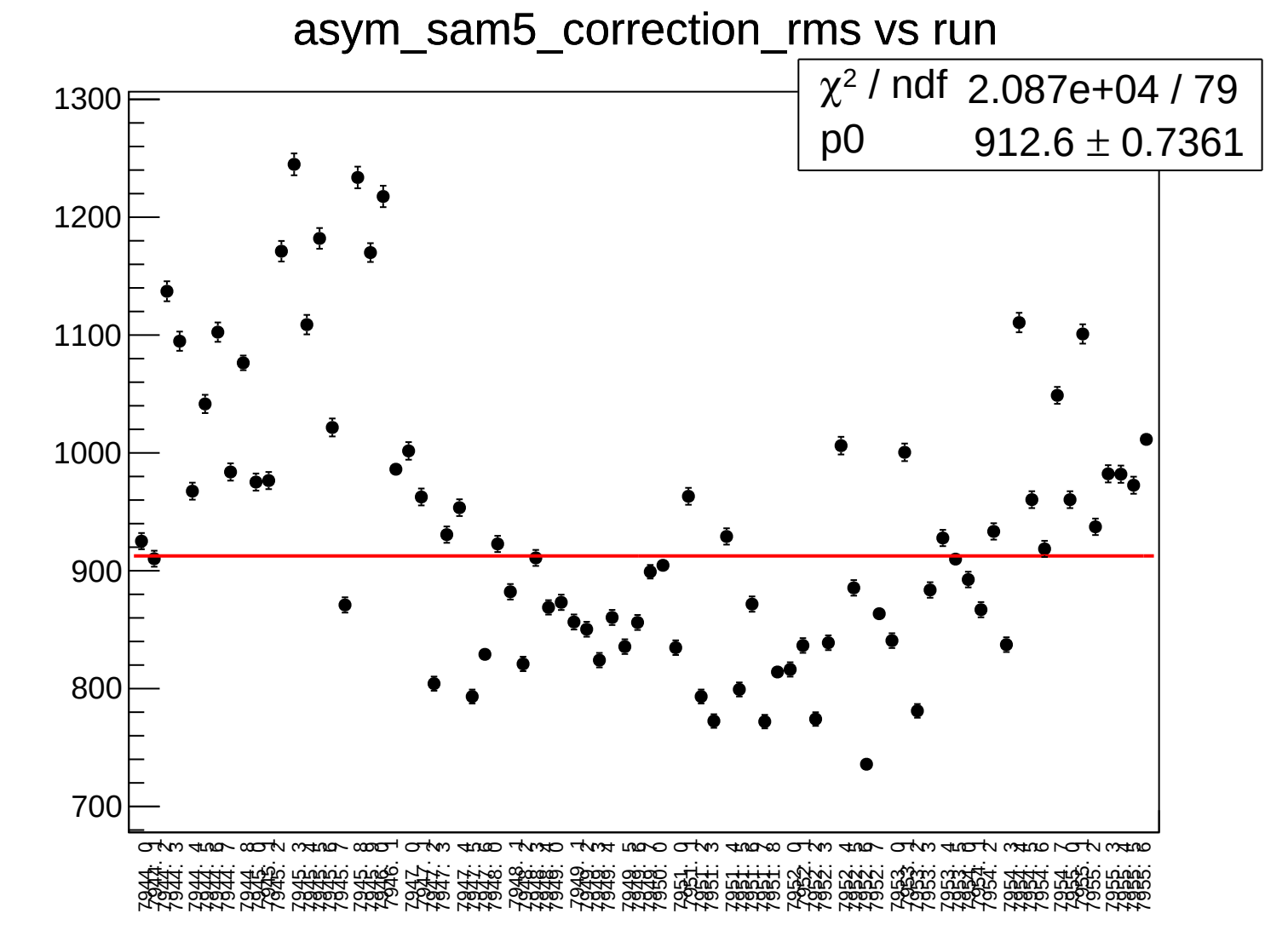

dit_asym_sam5_mean vs run
χ^2 / ndf 81.67 / 79
p0 137.5 ± 176.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean −12.42
Std Dev 47.44
2
1
0
−1
−2

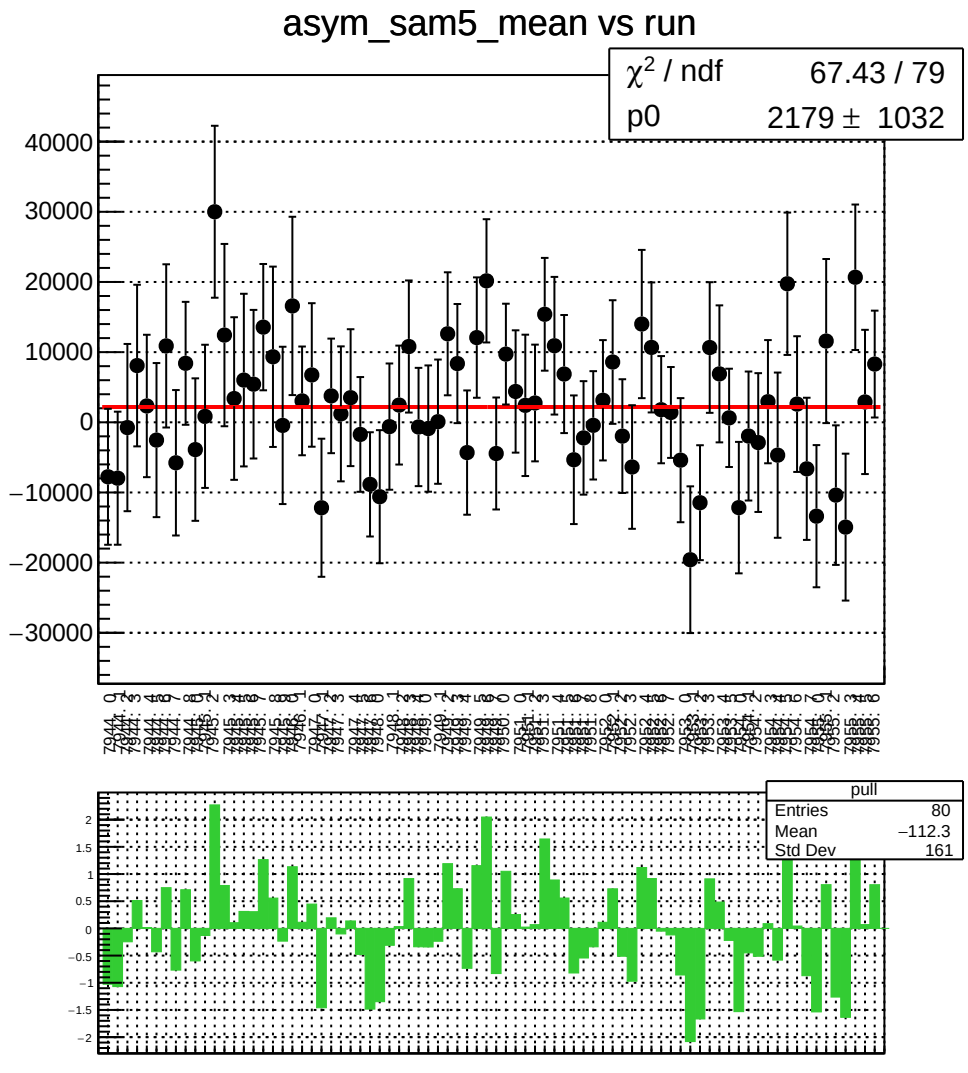

pull1D
Entries 80
Mean 0.005215
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

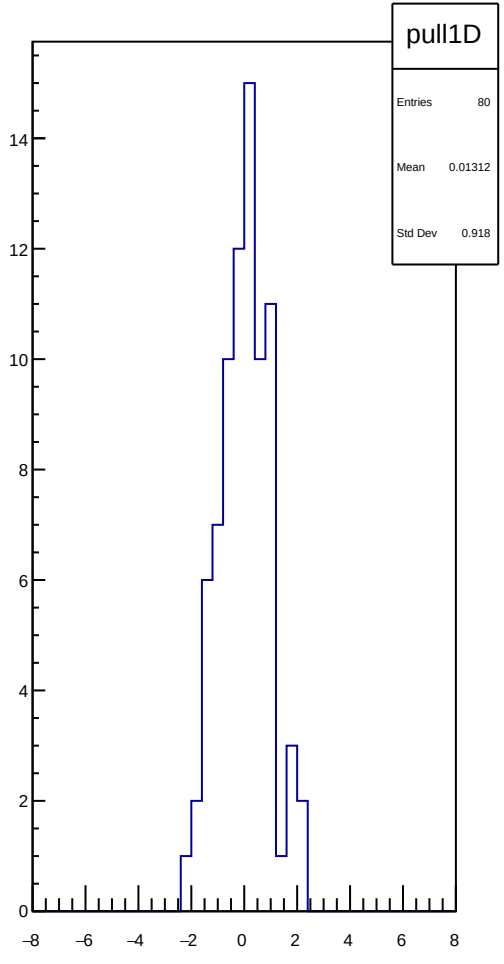

dit_asym_sam5_rms vs run
χ² / ndf 4081 / 79
p0 155.3 ± 0.1246
200
190
180
170
160
150

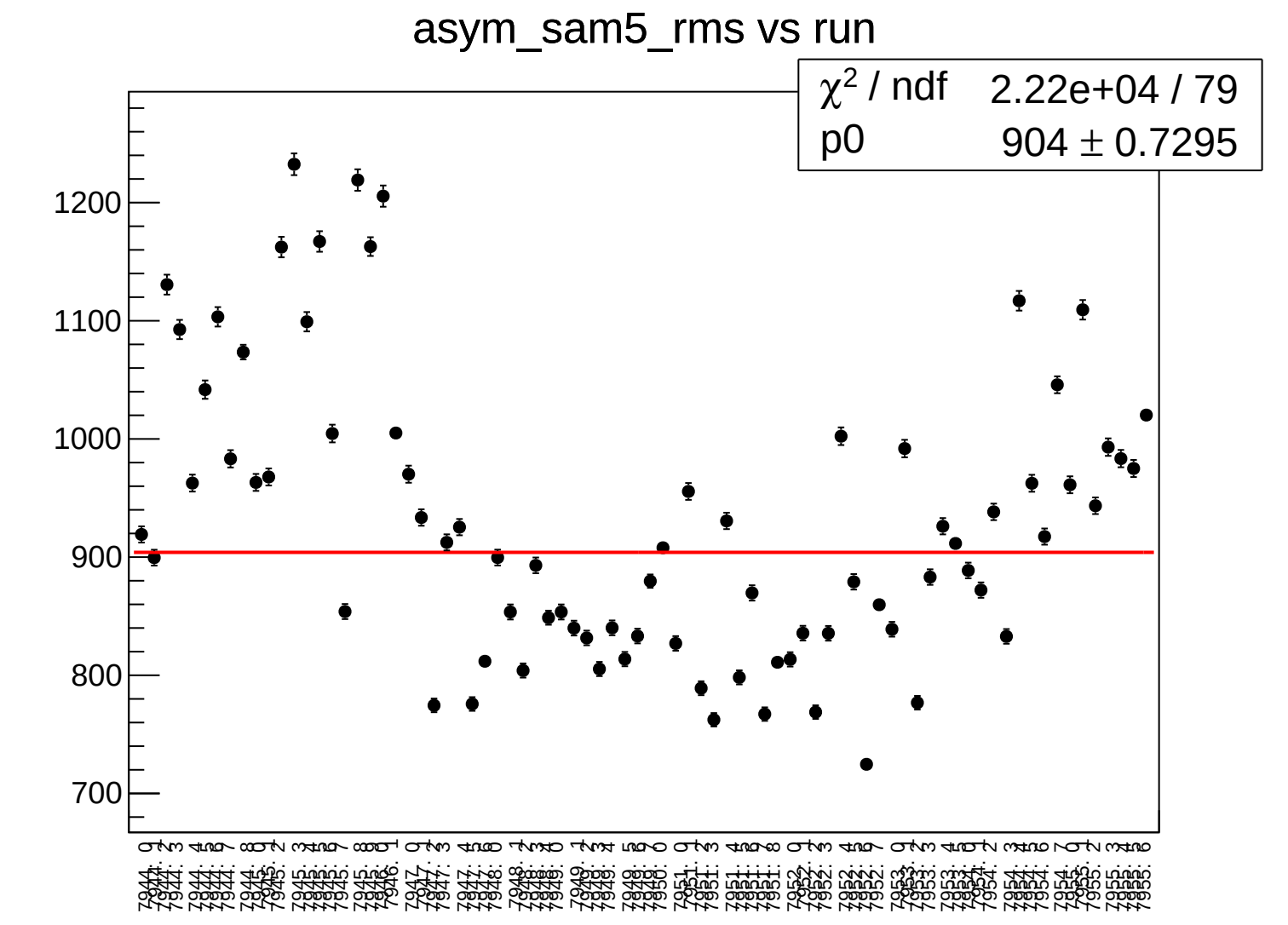

asym_sam5_correction_mean vs run
χ² / ndf 65.13 / 79
p0 −2063 ± 1041
pull
Entries 80
Mean −140.7
Std Dev 189.5

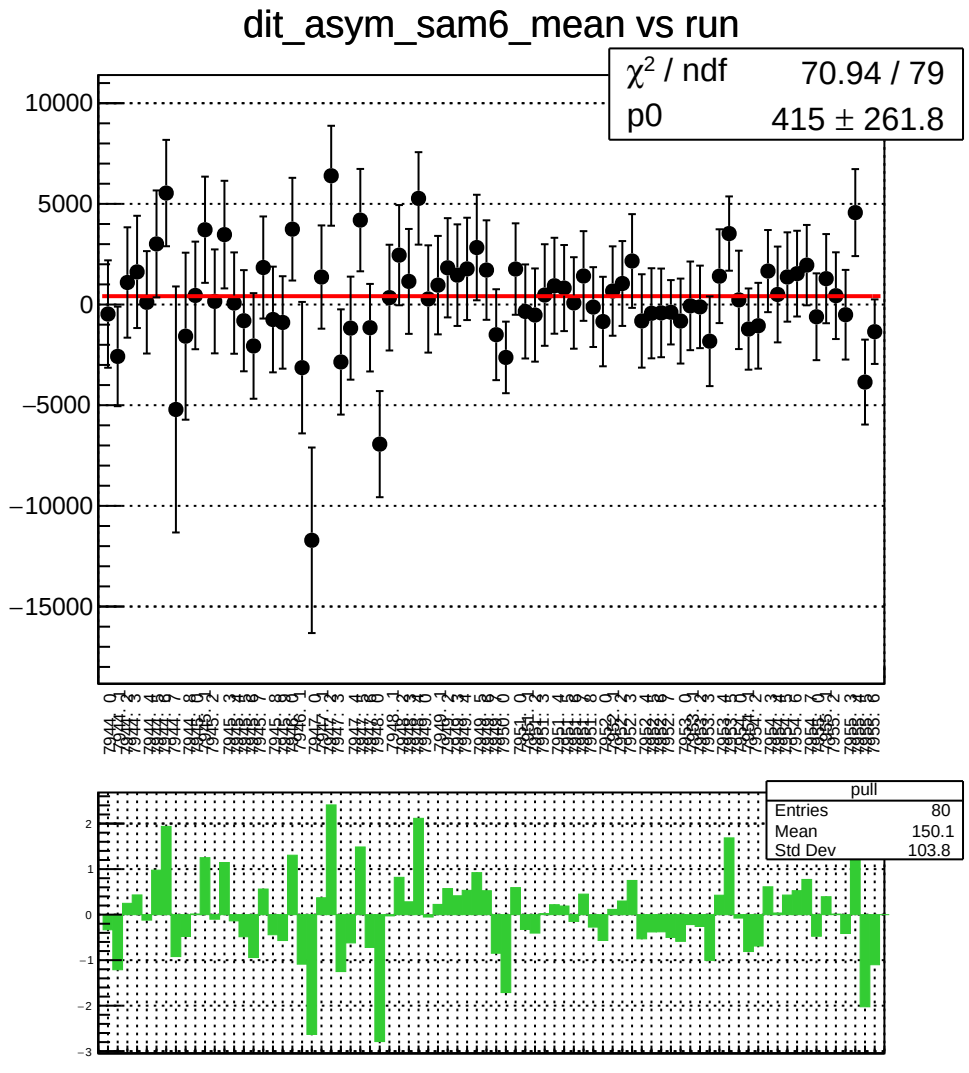

pull1D
Entries 80
Mean −0.01103
Std Dev 0.9022

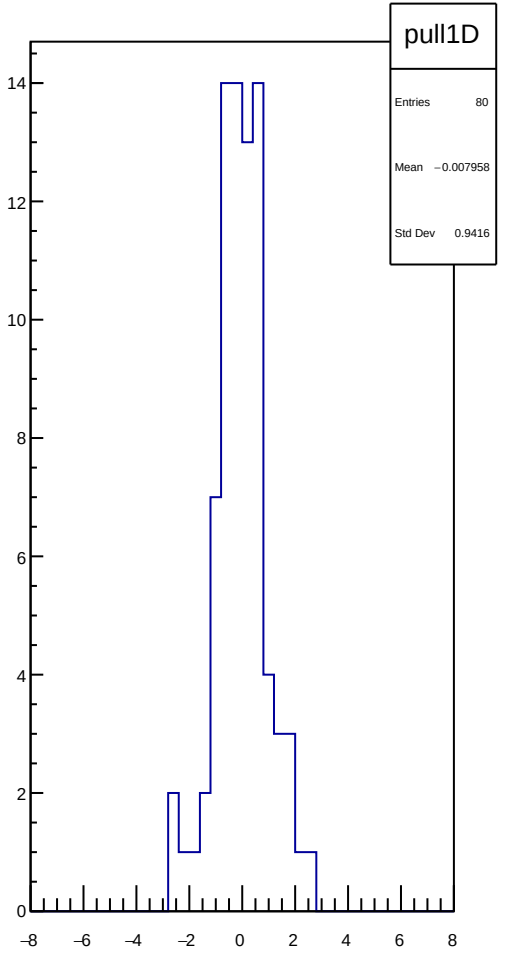

asym_sam5_correction_rms vs run
χ² / ndf 2.087e+04 / 79
p0 912.6 ± 0.7361
1300
1200
1100
1000
900
800
700

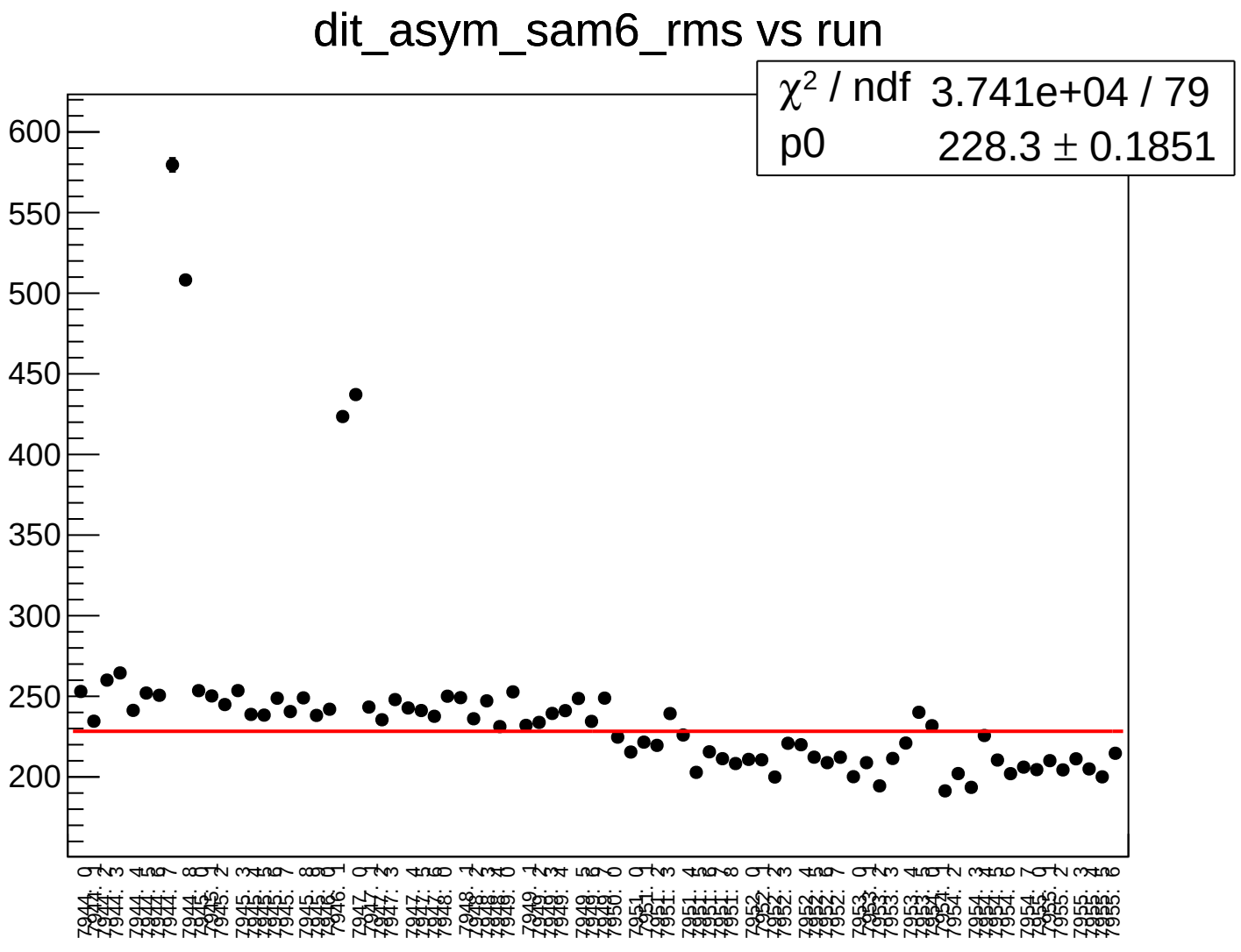

asym_sam5_mean vs run
χ² / ndf 67.43 / 79
p0 2179 ± 1032
pull
Entries 80
Mean −112.3
Std Dev 161

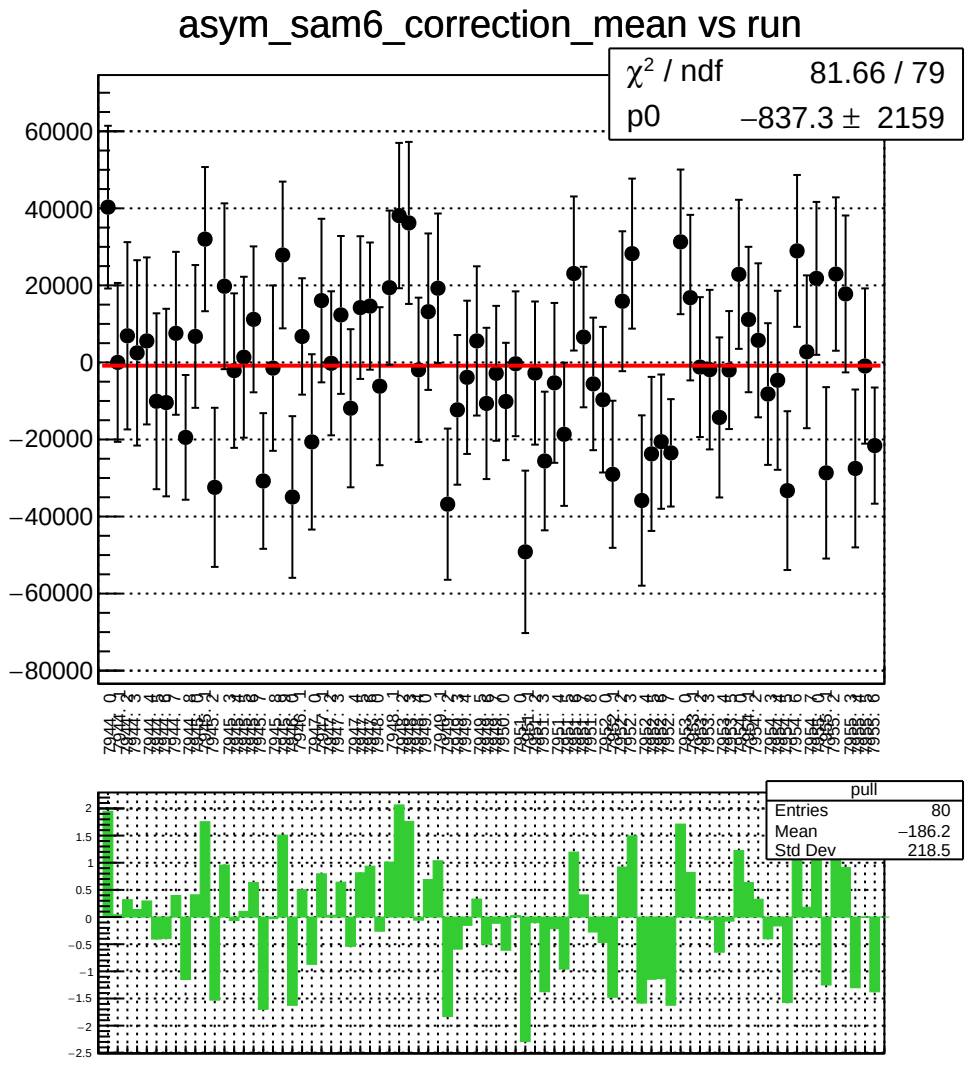

pull1D
Entries 80
Mean 0.01312
Std Dev 0.918

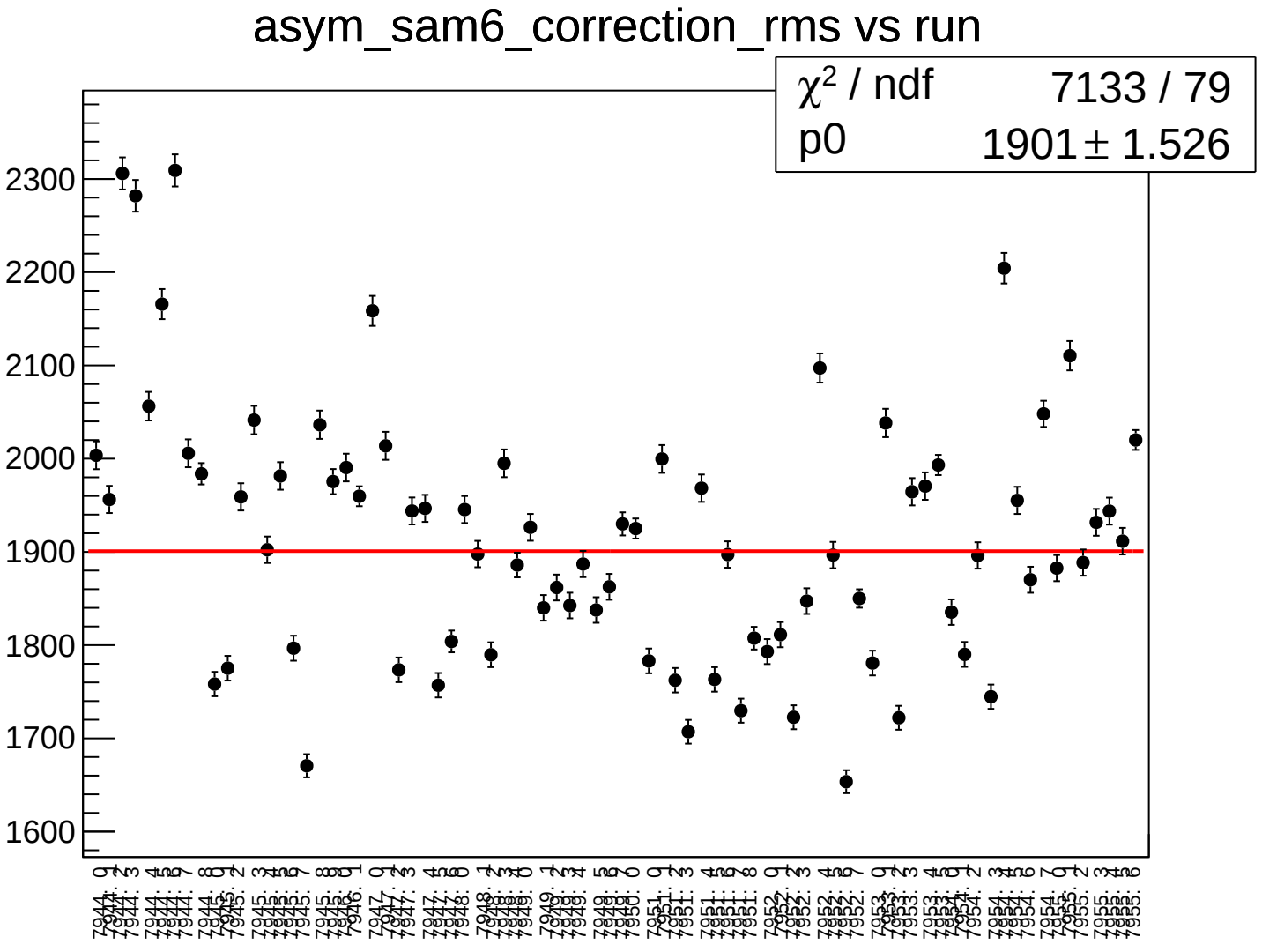

asym_sam5_rms vs run
χ² / ndf 2.22e+04 / 79
p0 904 ± 0.7295
1200
1100
1000
900
800
700

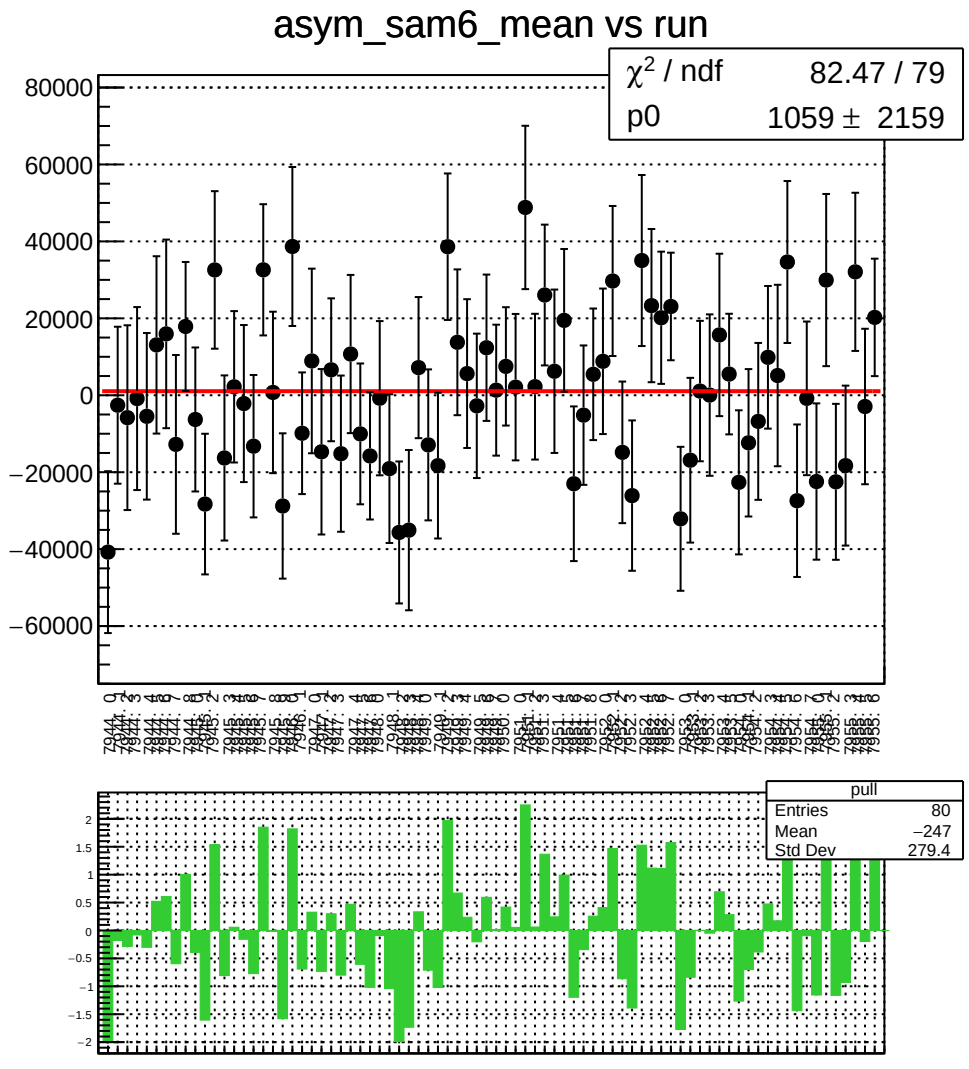

dit_asym_sam6_mean vs run
χ² / ndf 70.94 / 79
p0 415 ± 261.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 150.1
Std Dev 103.8
2
1
0
−1
−2
−3

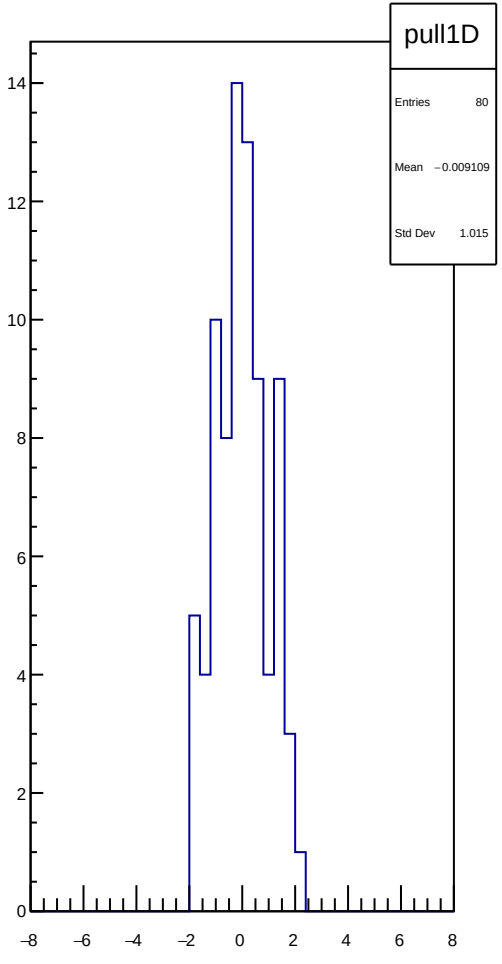

pull1D
Entries 80
Mean −0.007958
Std Dev 0.9416
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

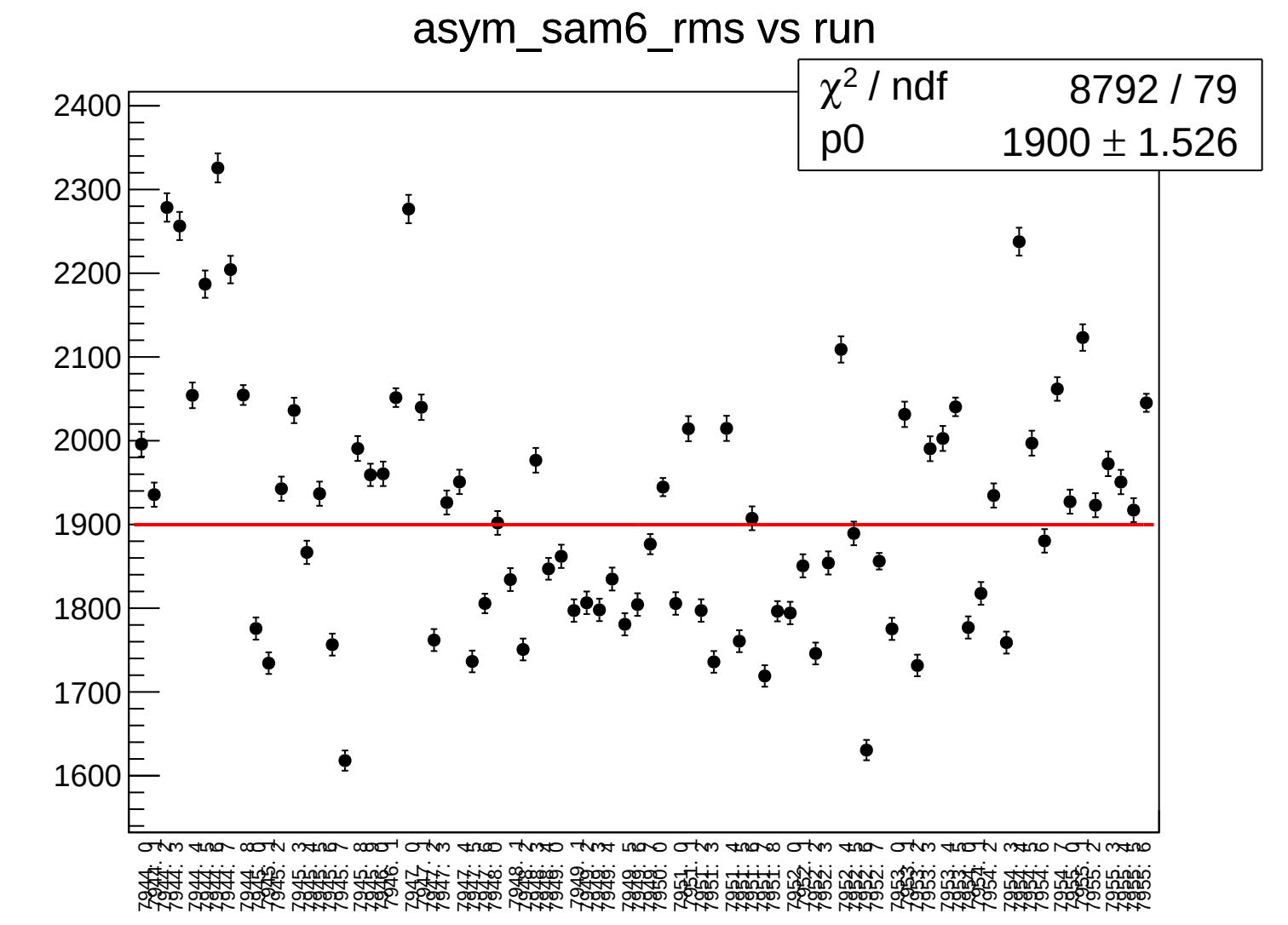

dit_asym_sam6_rms vs run
χ² / ndf 3.741e+04 / 79
p0 228.3 ± 0.1851
600
550
500
450
400
350
300
250
200

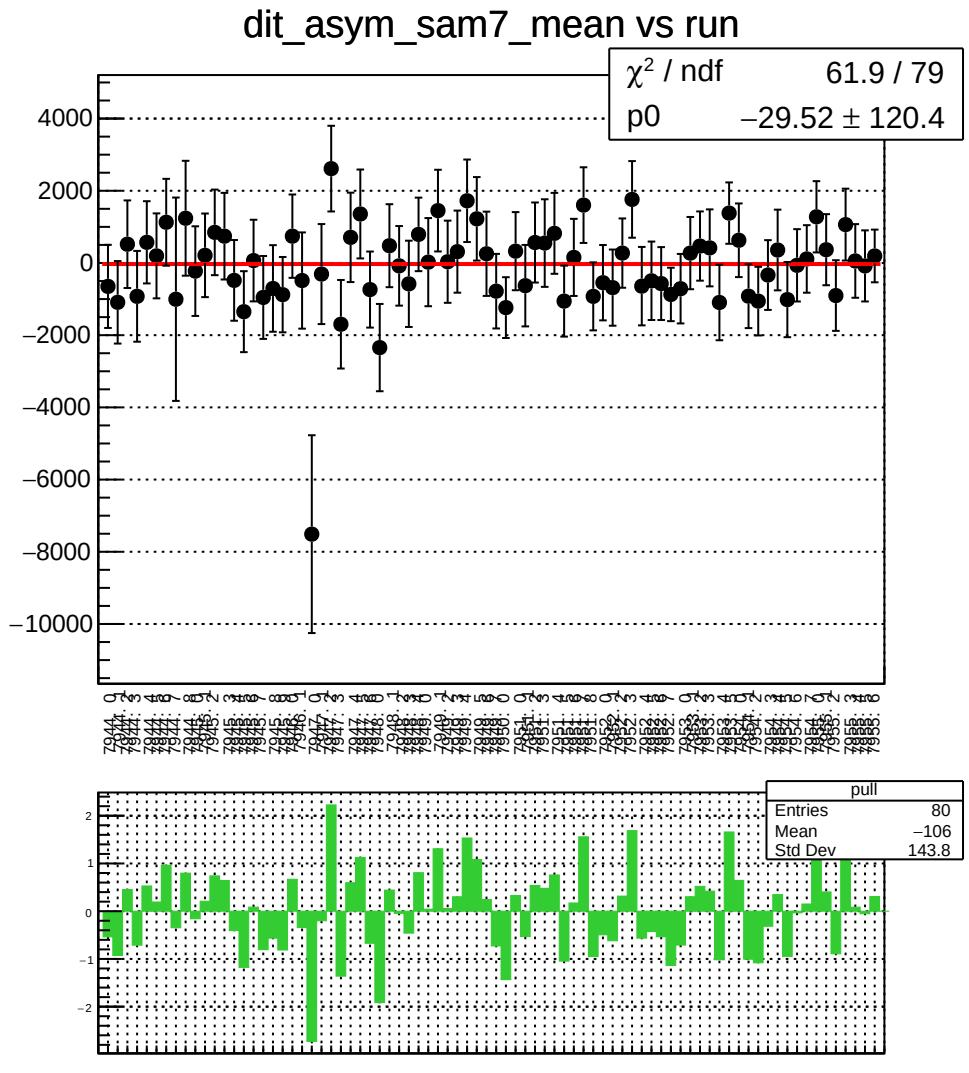

asym_sam6_correction_mean vs run
χ² / ndf 81.66 / 79
p0 −837.3 ± 2159
pull
Entries 80
Mean −186.2
Std Dev 218.5
pull1D
Entries 80
Mean 0.01128
Std Dev 1.01

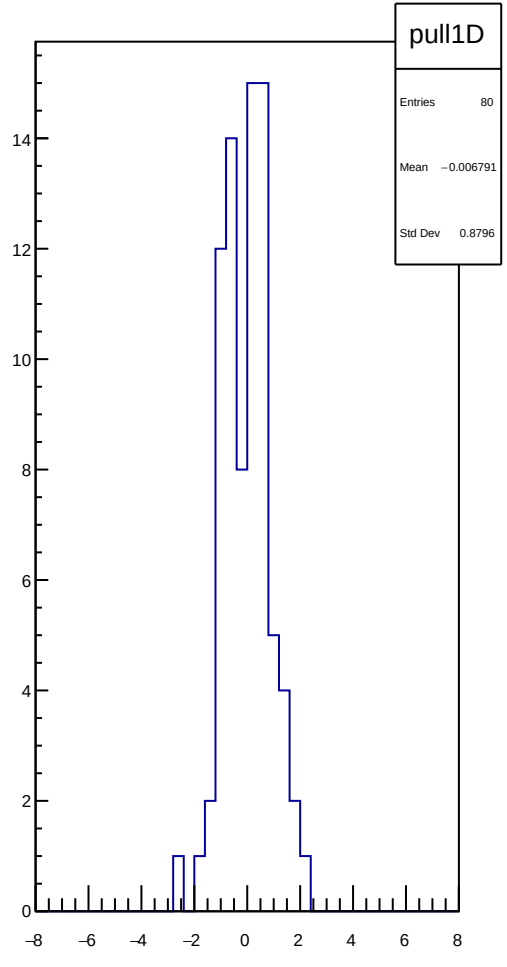

asym_sam6_correction_rms vs run
χ² / ndf 7133 / 79
p0 1901 ± 1.526
2300
2200
2100
2000
1900
1800
1700
1600

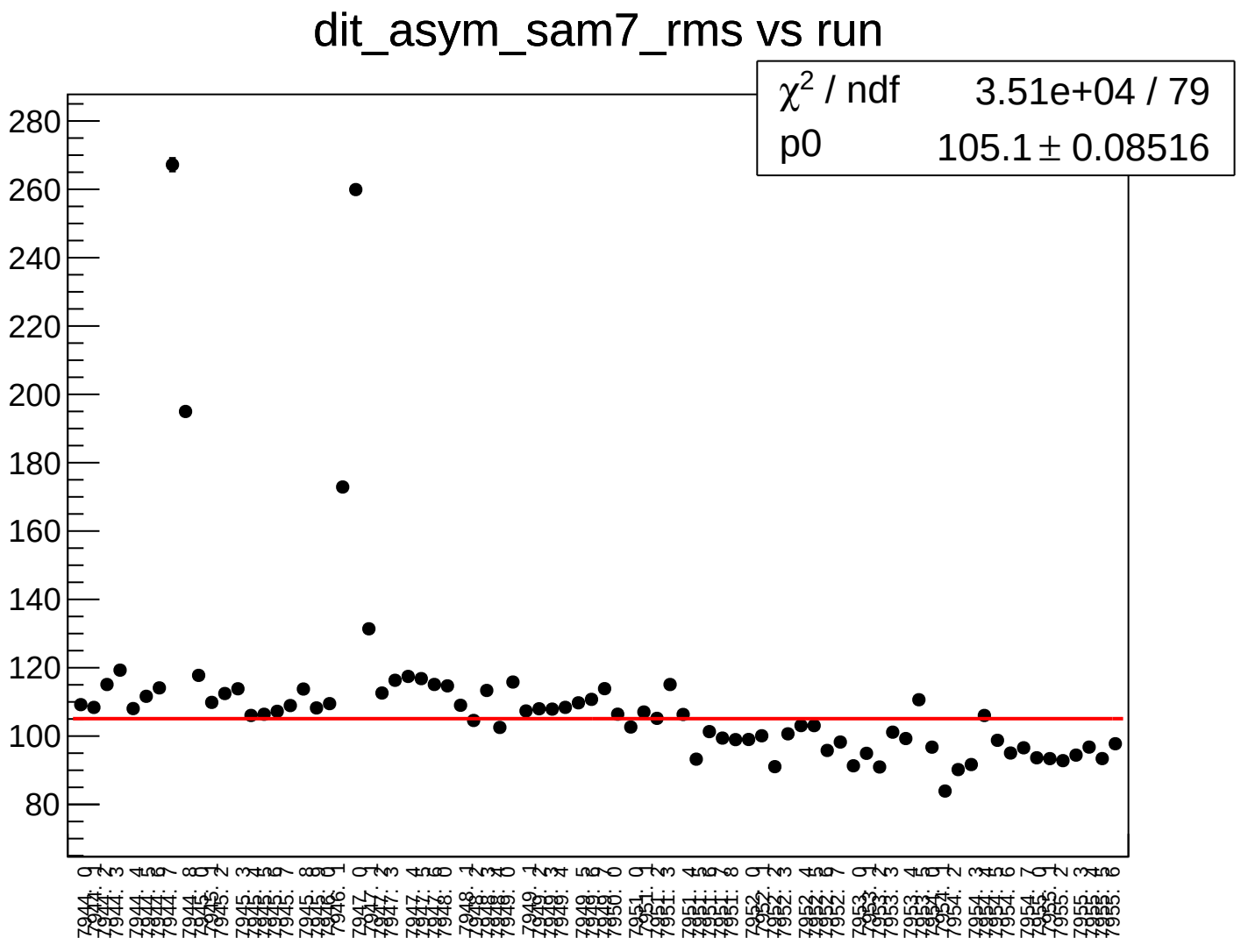

asym_sam6_mean vs run
χ² / ndf 82.47 / 79
p0 1059 ± 2159
pull
Entries 80
Mean −247
Std Dev 279.4

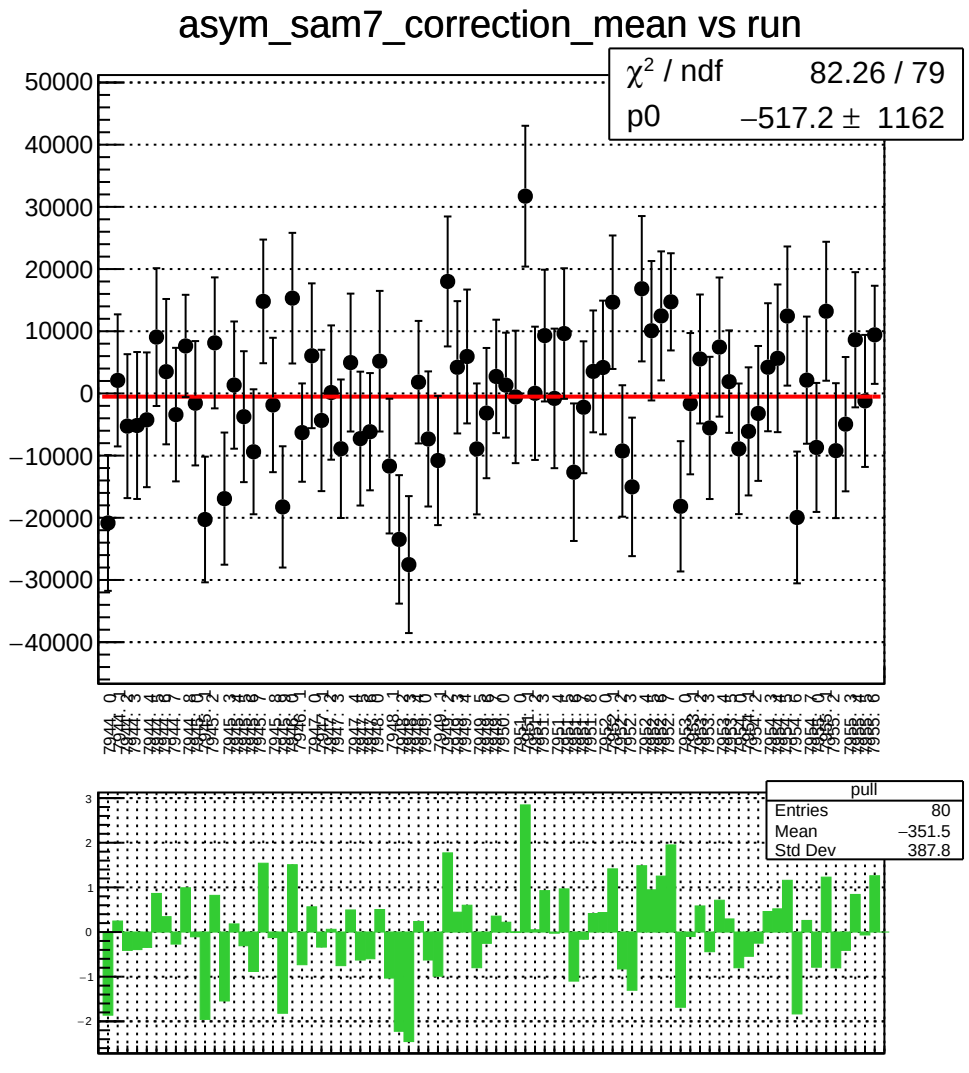

pull1D
Entries 80
Mean −0.009109
Std Dev 1.015

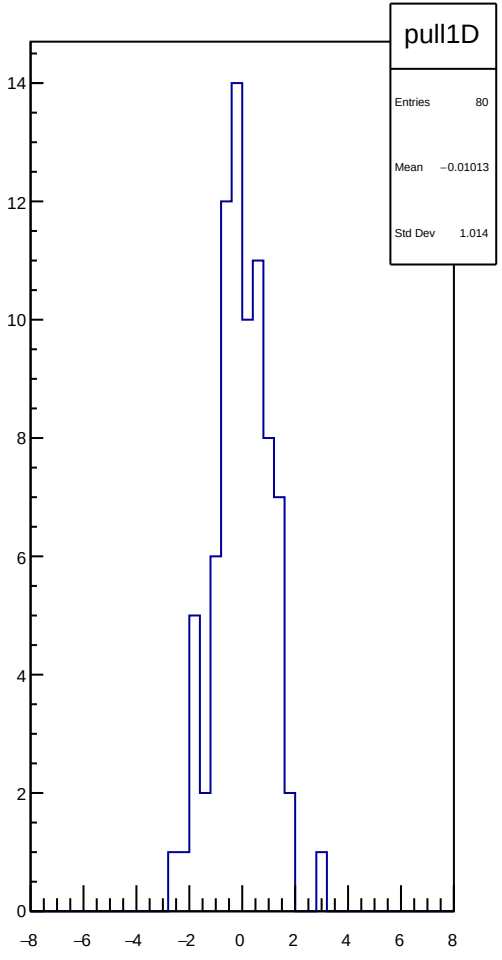

asym_sam6_rms vs run
χ² / ndf 8792 / 79
p0 1900 ± 1.526
2400
2300
2200
2100
2000
1900
1800
1700
1600

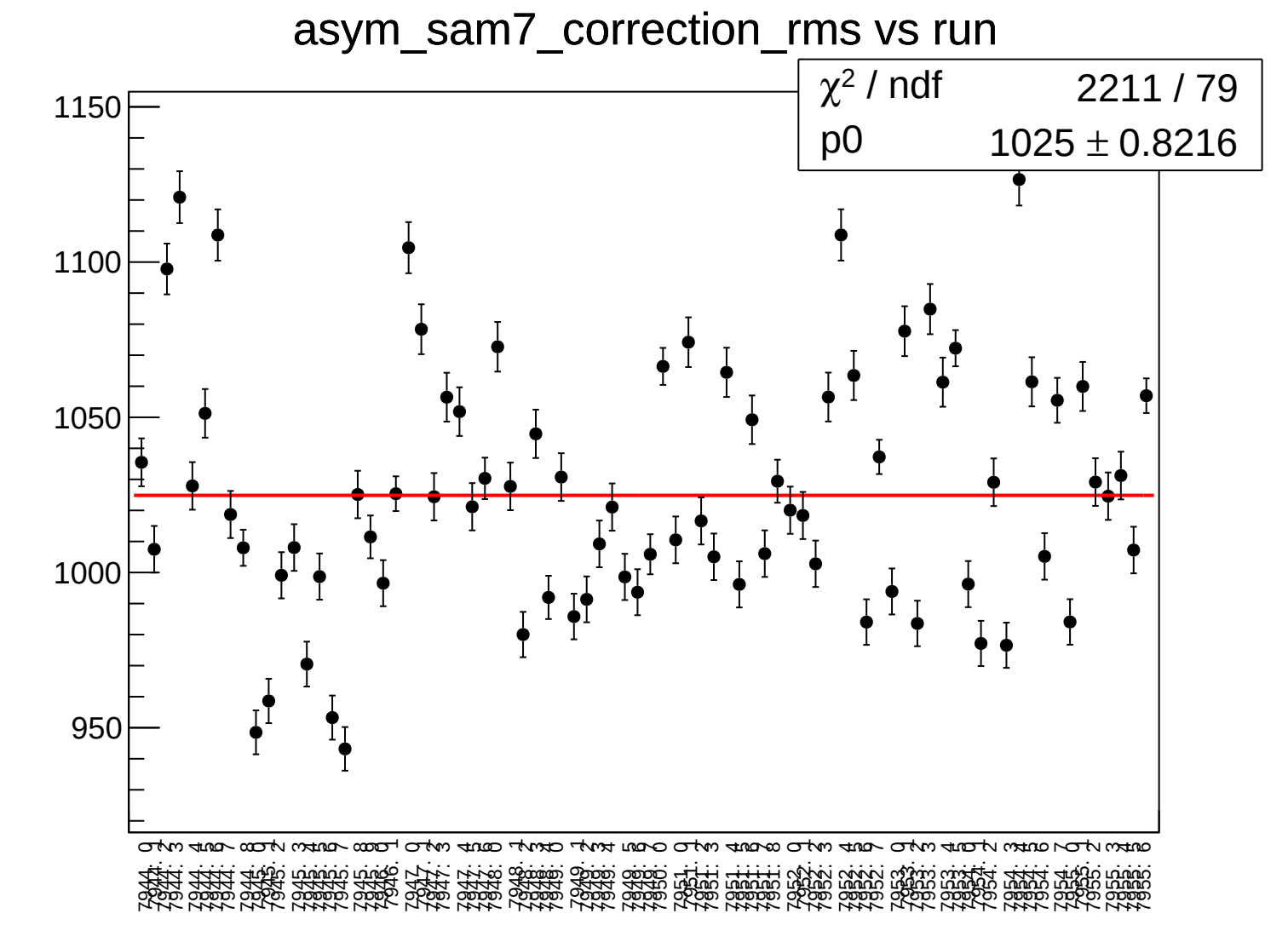

dit_asym_sam7_mean vs run
χ² / ndf 61.9 / 79
p0 −29.52 ± 120.4
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 80
Mean −106
Std Dev 143.8
2
1
0
−1
−2

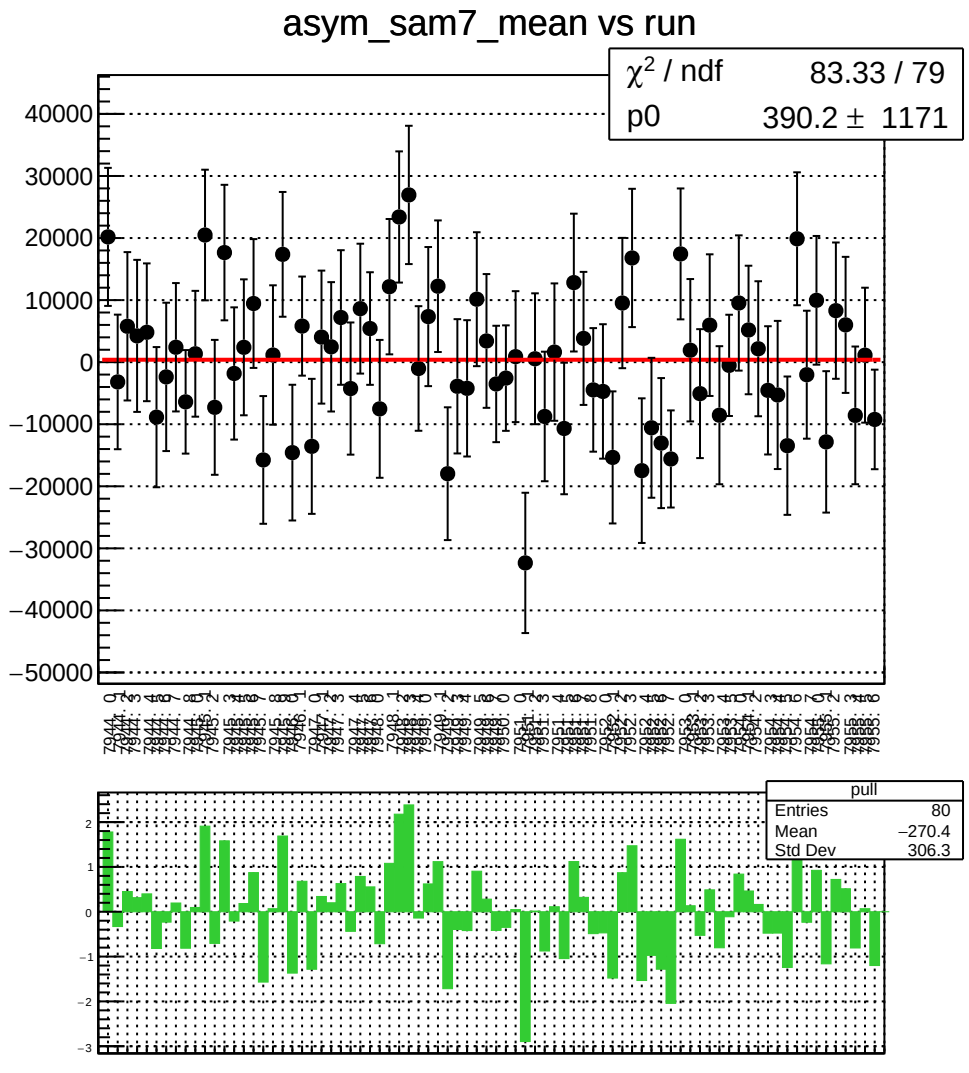

pull1D
Entries 80
Mean −0.006791
Std Dev 0.8796
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

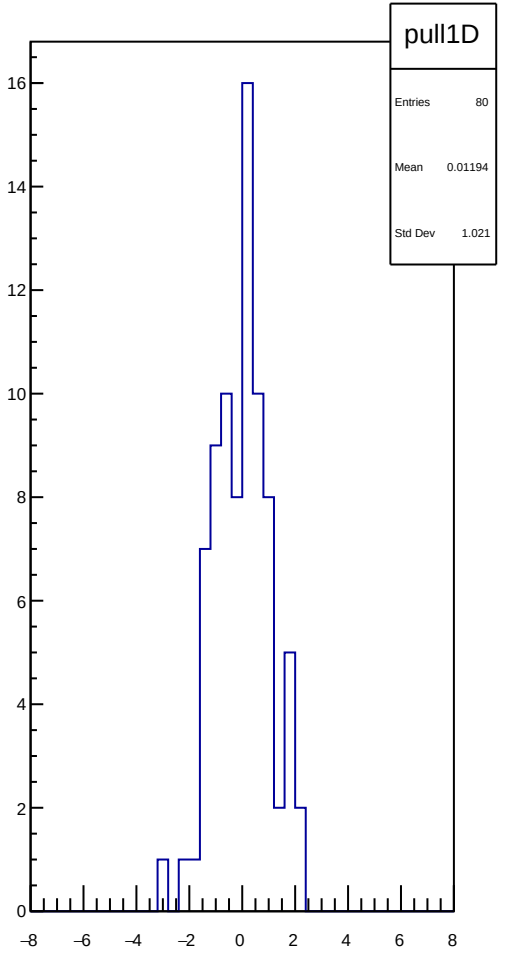

dit_asym_sam7_rms vs run
χ^2 / ndf 3.51e+04 / 79
p0 105.1 ± 0.08516
280
260
240
220
200
180
160
140
120
100
80

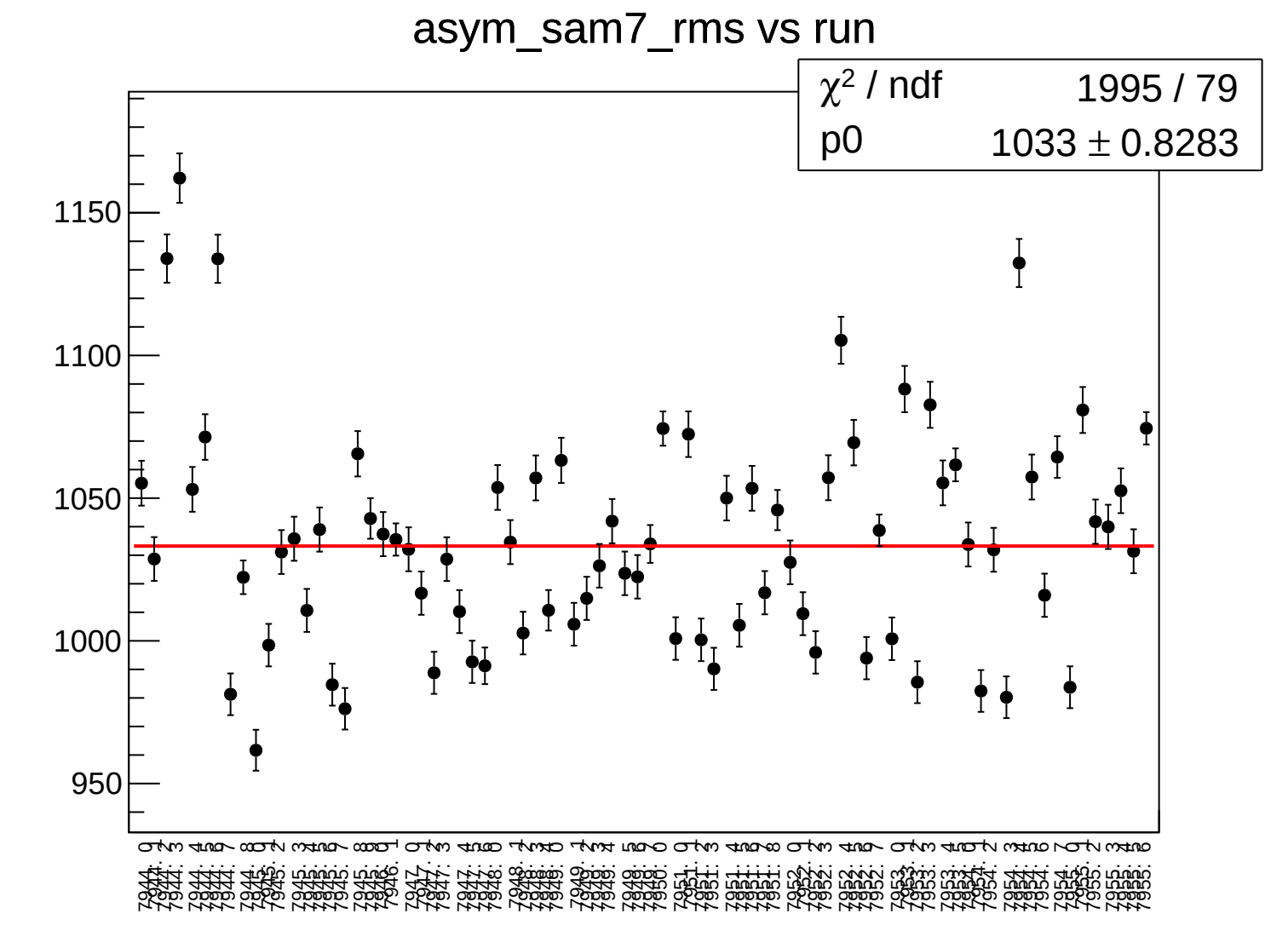

asym_sam7_correction_mean vs run
χ² / ndf 82.26 / 79
p0 −517.2 ± 1162
pull
Entries 80
Mean −351.5
Std Dev 387.8

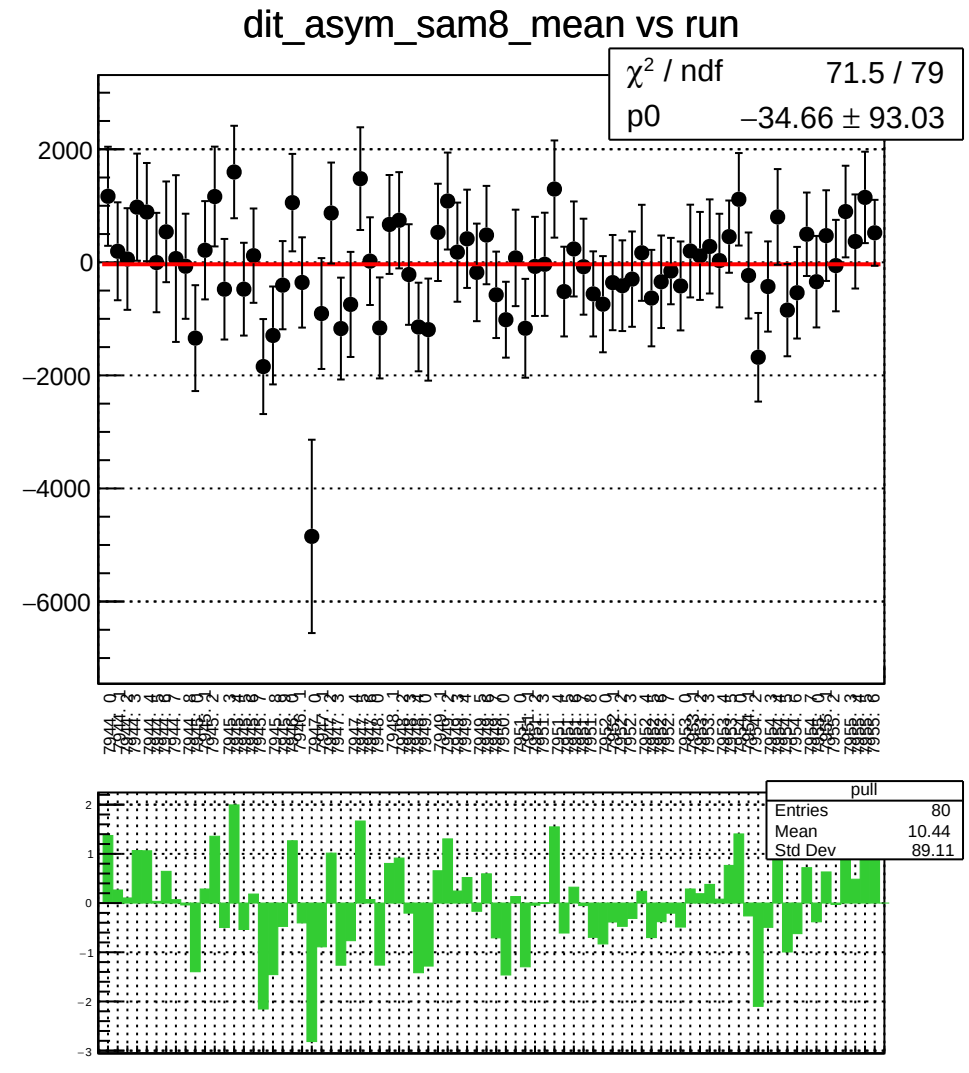

pull1D
Entries 80
Mean −0.01013
Std Dev 1.014

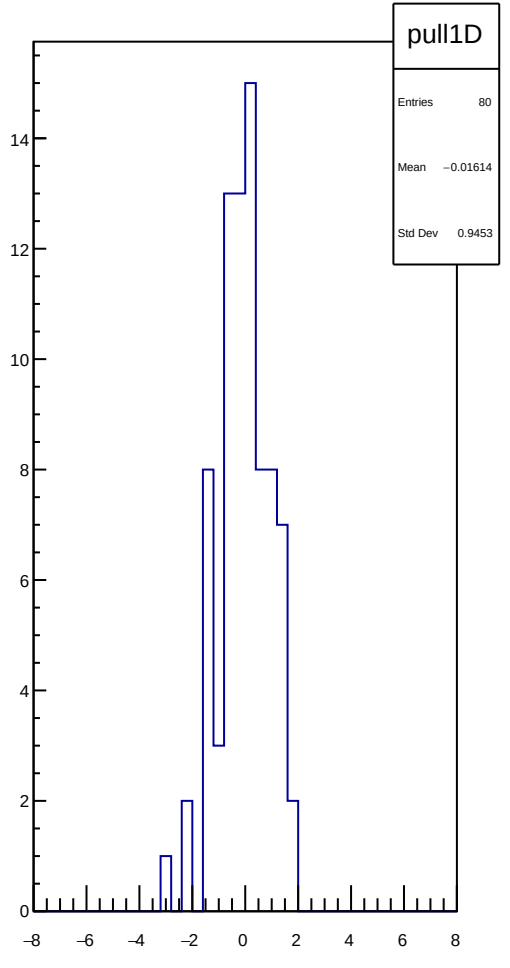

asym_sam7_correction_rms vs run
χ² / ndf 2211 / 79
p0 1025 ± 0.8216
1150
1100
1050
1000
950

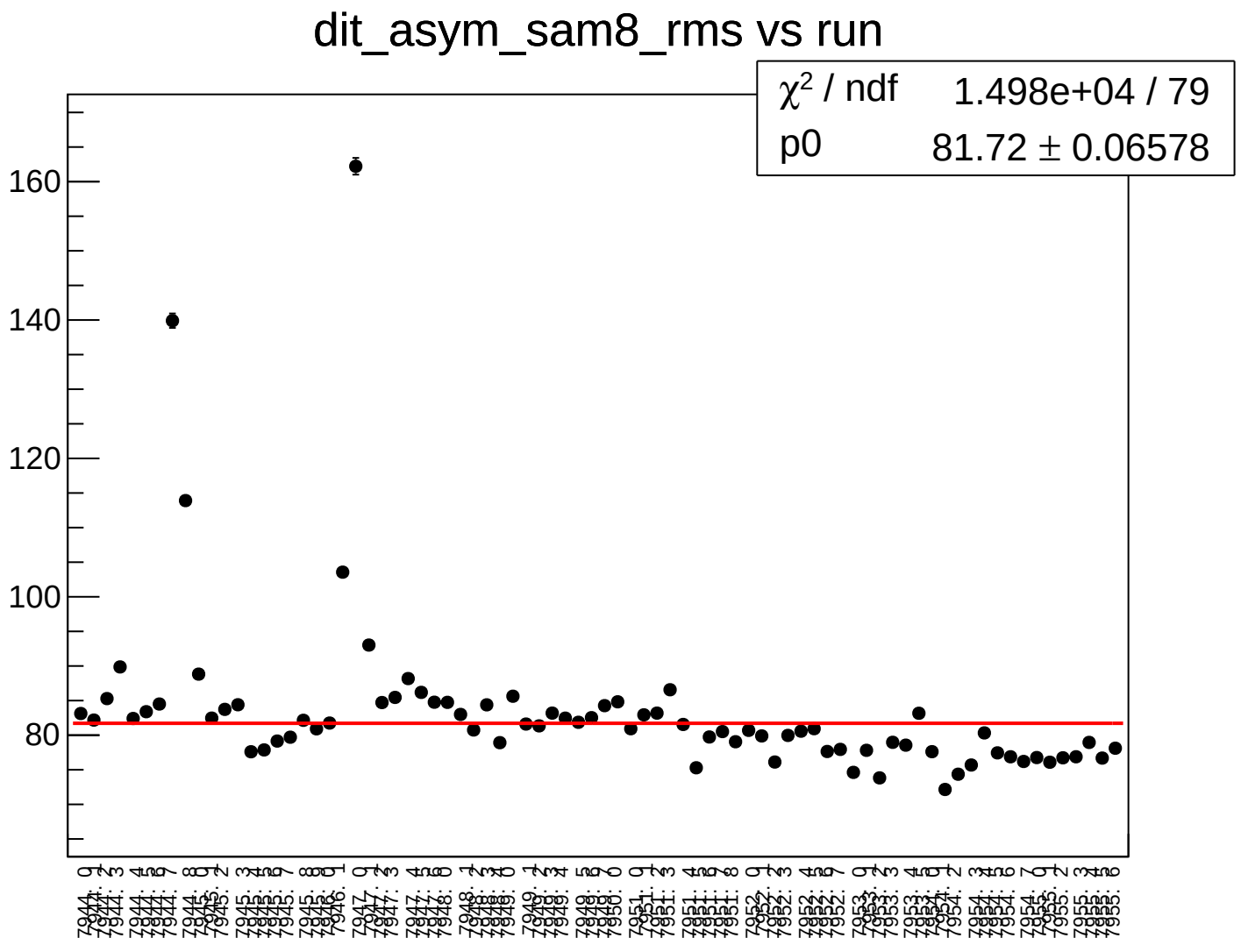

asym_sam7_mean vs run
χ² / ndf 83.33 / 79
p0 390.2 ± 1171
pull
Entries 80
Mean −270.4
Std Dev 306.3

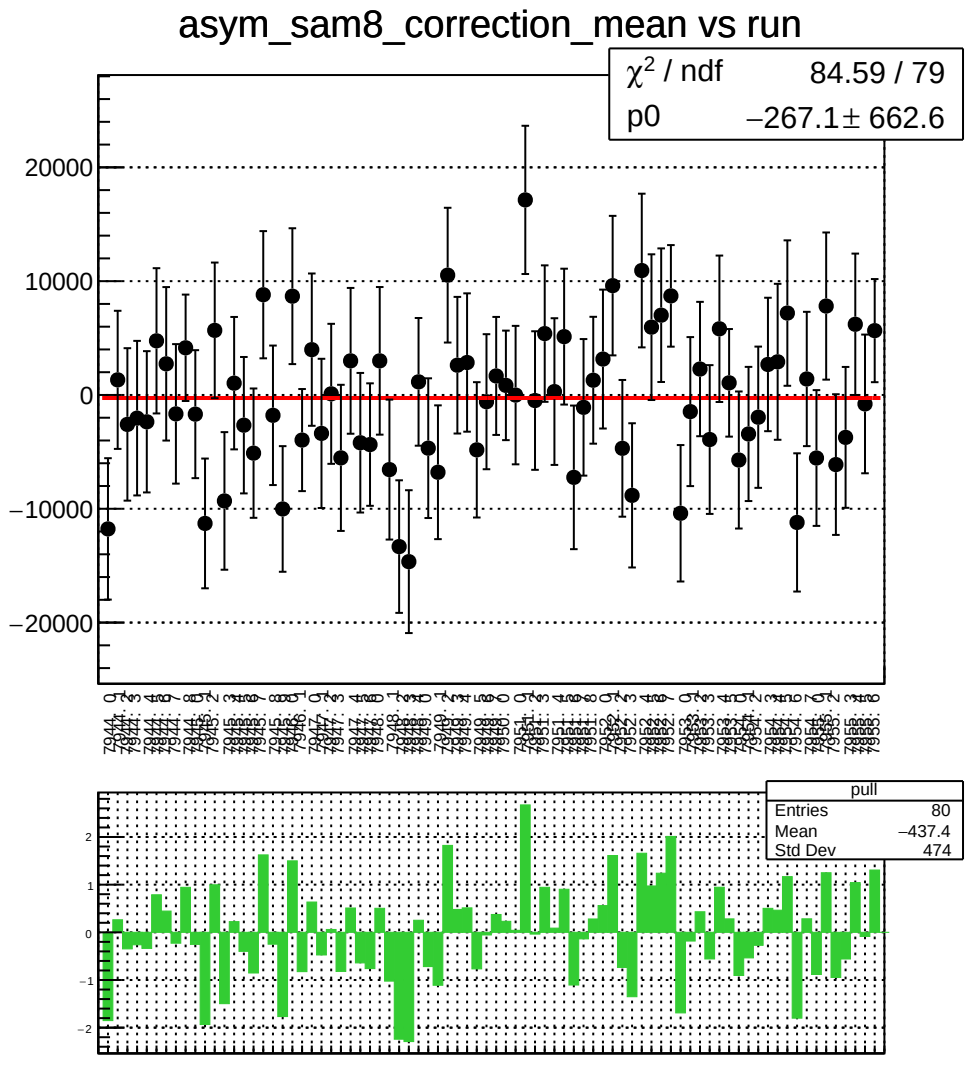

pull1D
Entries 80
Mean 0.01194
Std Dev 1.021

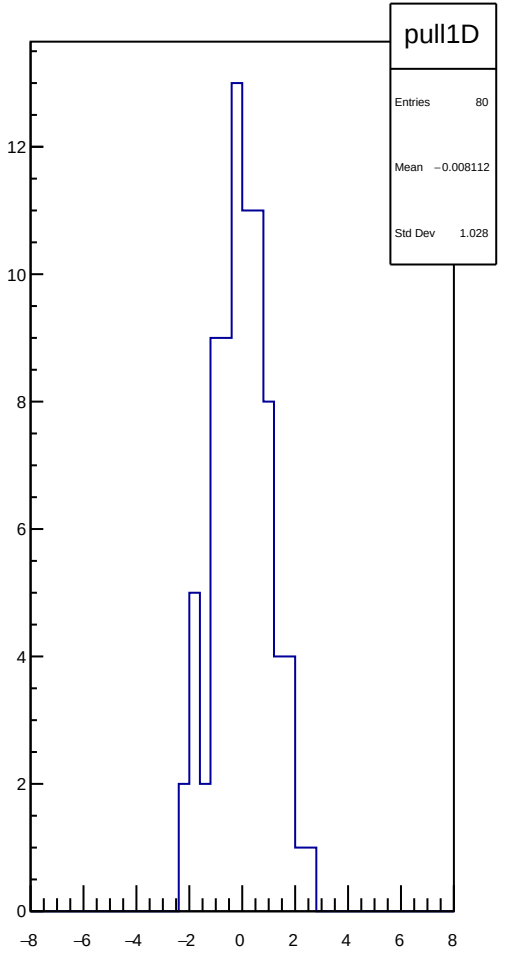

asym_sam7_rms vs run
χ² / ndf 1995 / 79
p0 1033 ± 0.8283
1150
1100
1050
1000
950

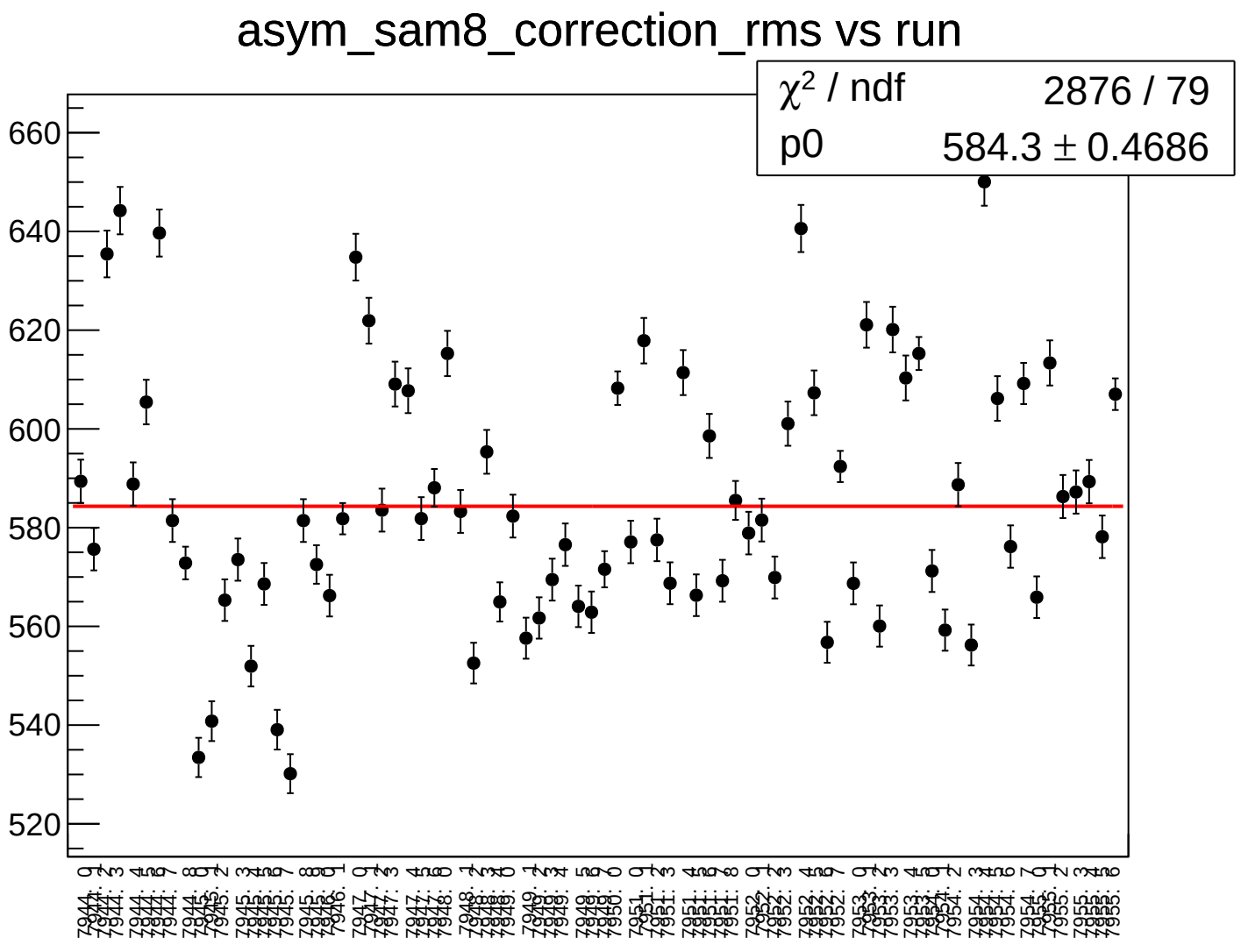

dit_asym_sam8_mean vs run
χ² / ndf 71.5 / 79
p0 −34.66 ± 93.03
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean 10.44
Std Dev 89.11
2
1
0
−1
−2
−3

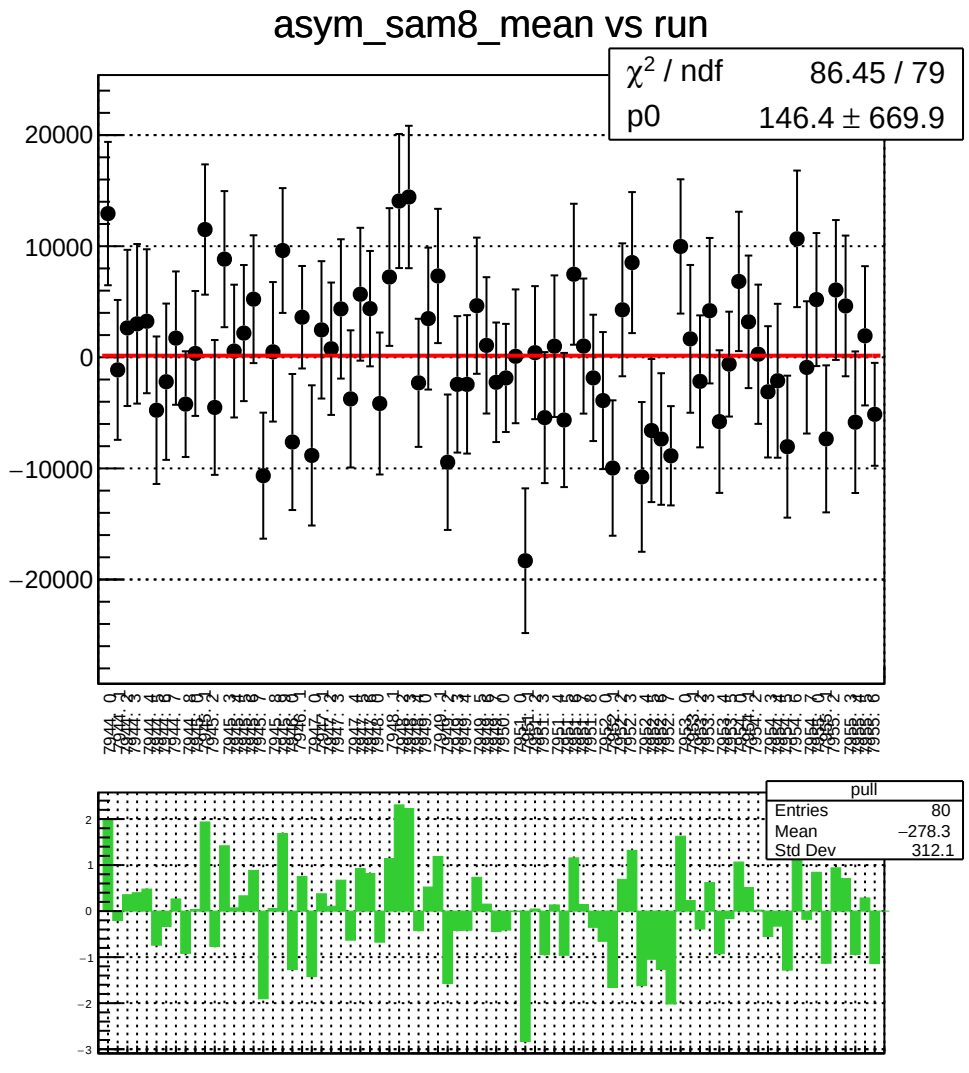

pull1D
Entries 80
Mean −0.01614
Std Dev 0.9453
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

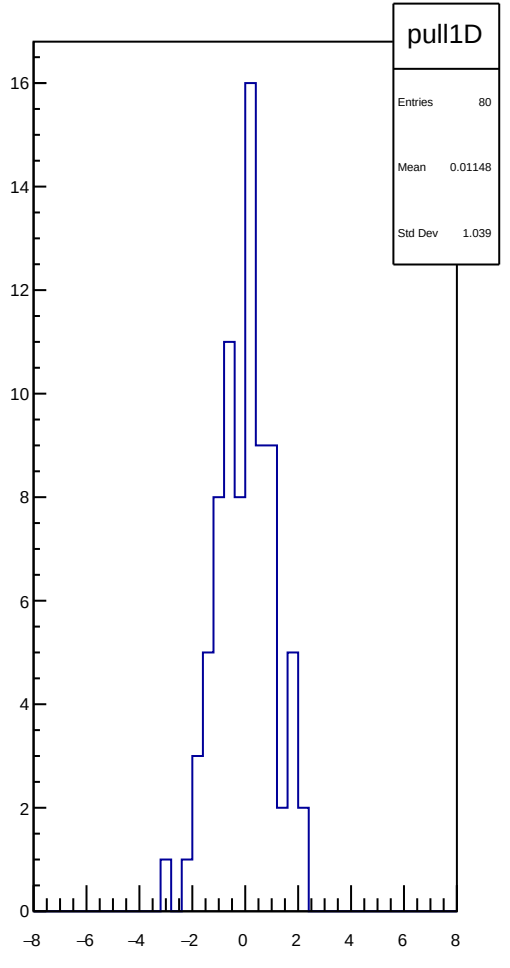

dit_asym_sam8_rms vs run
χ² / ndf 1.498e+04 / 79
p0 81.72 ± 0.06578
160
140
120
100
80

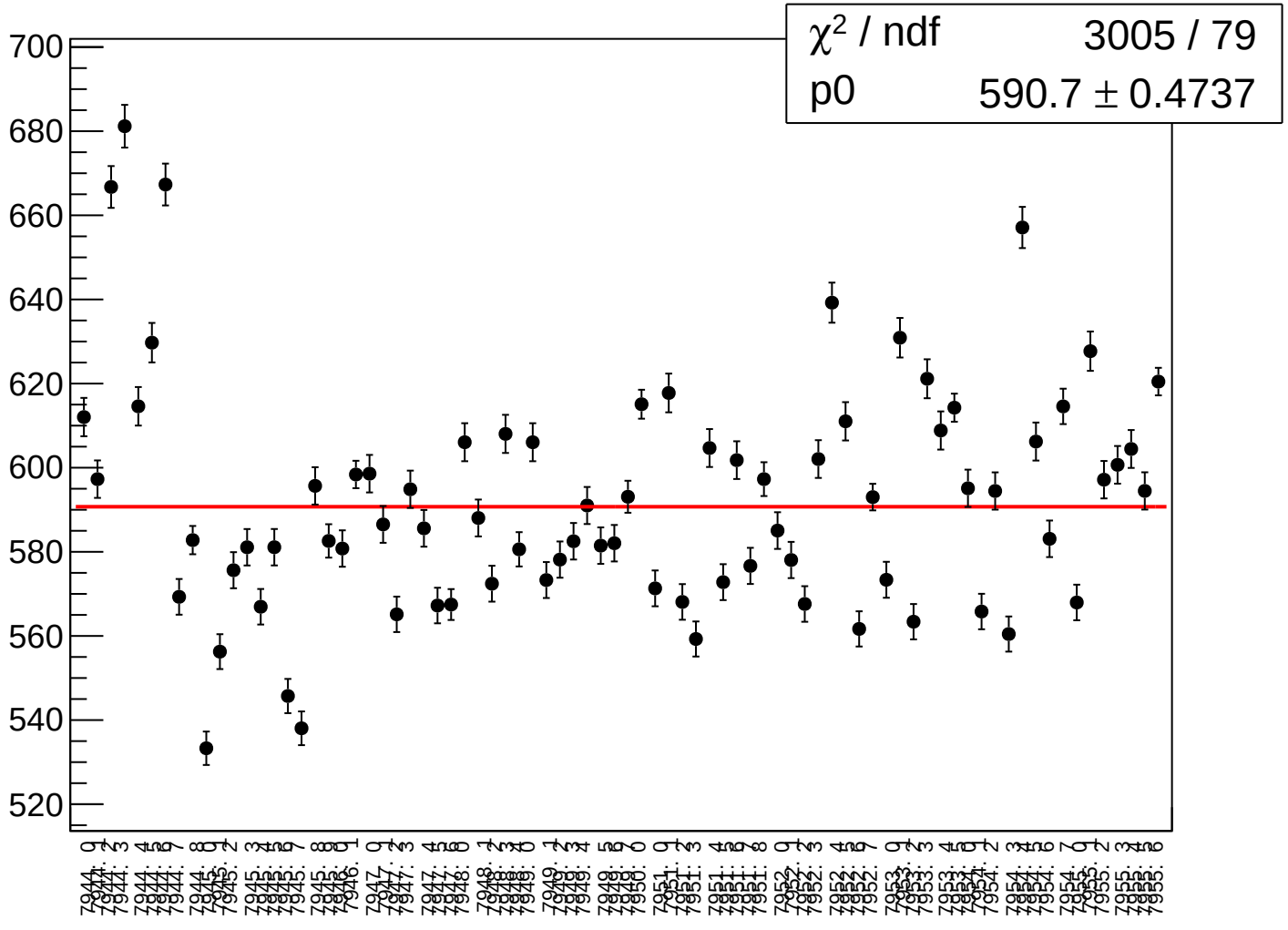

asym_sam8_correction_mean vs run
χ² / ndf 84.59 / 79
p0 −267.1± 662.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −437.4
Std Dev 474
2
1
0
−1
−2

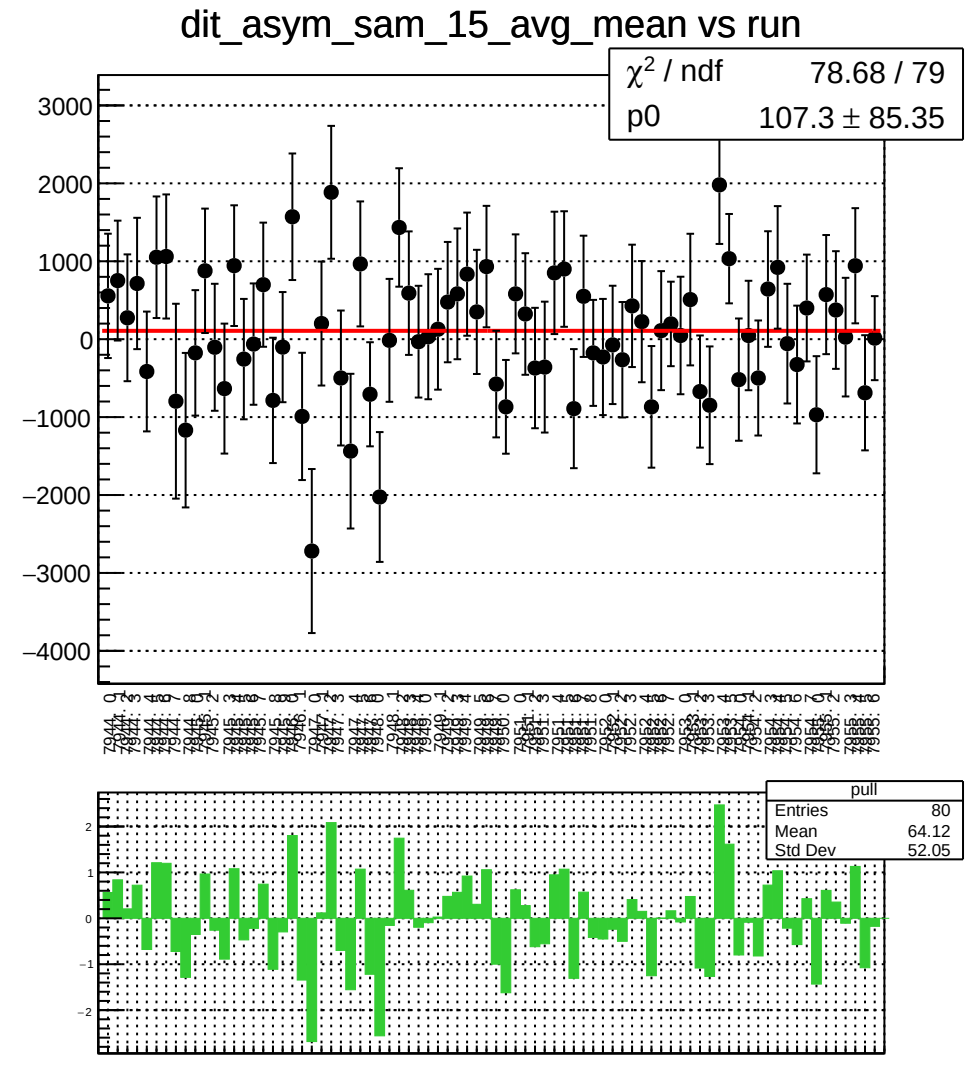

pull1D
Entries 80
Mean −0.008112
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

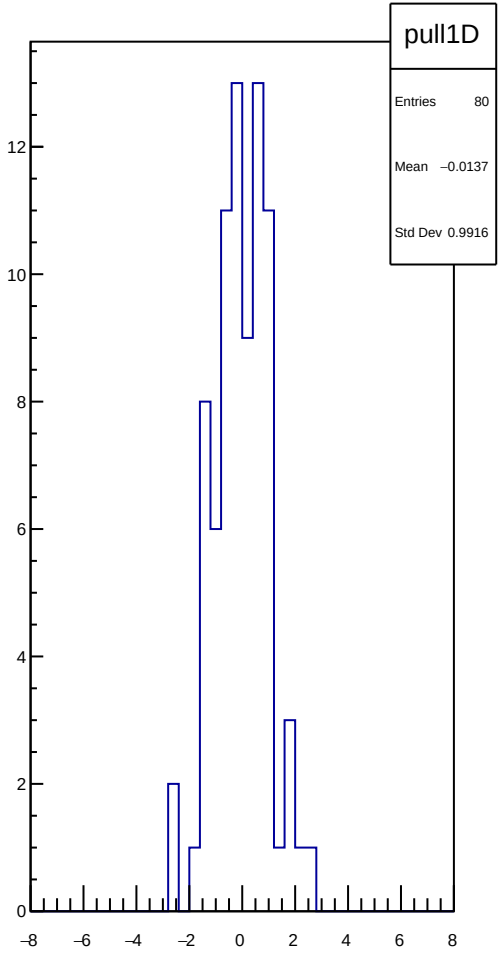

asym_sam8_correction_rms vs run
χ² / ndf 2876 / 79
p0 584.3 ± 0.4686
660
640
620
600
580
560
540
520

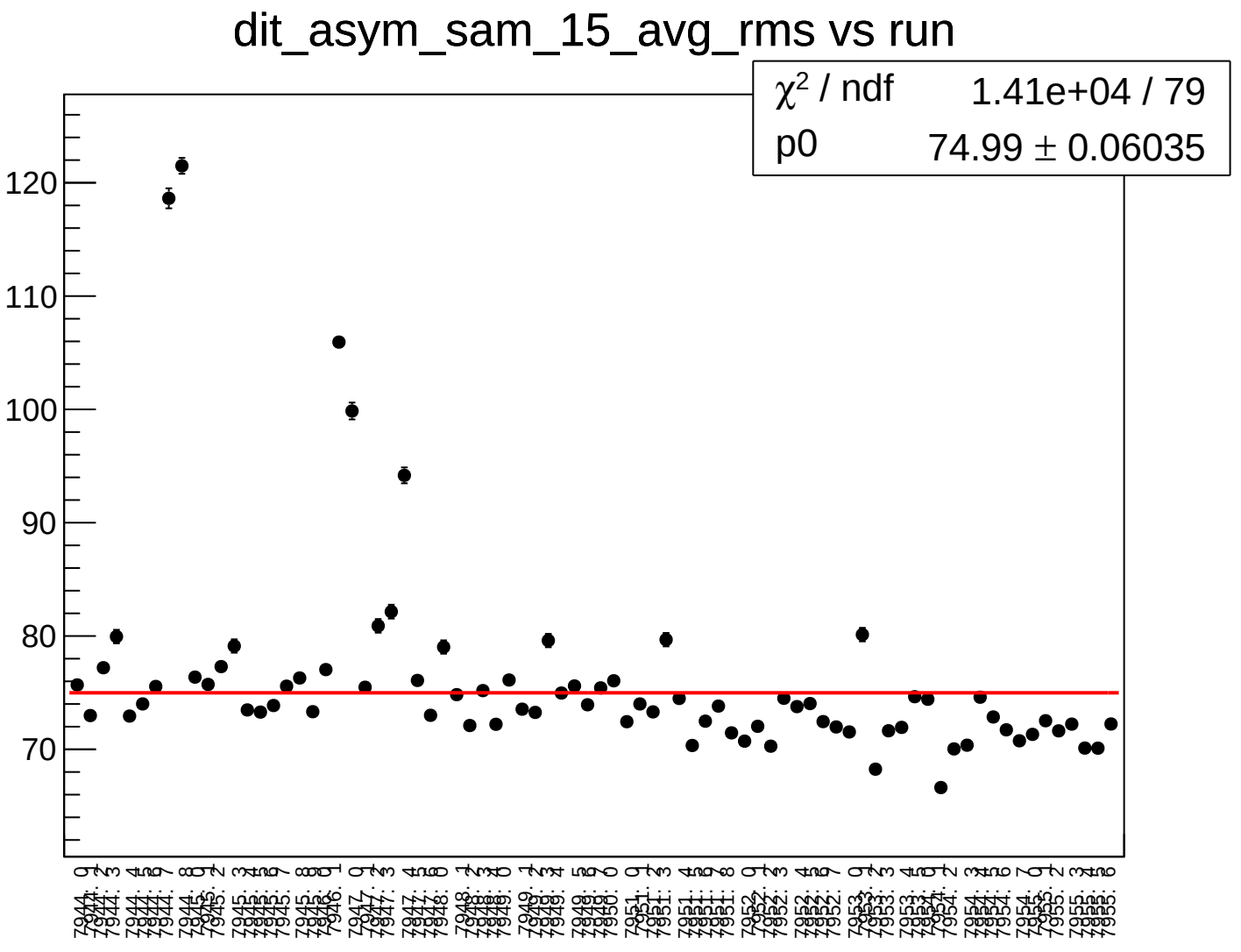

asym_sam8_mean vs run
χ² / ndf 86.45 / 79
p0 146.4 ± 669.9
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −278.3
Std Dev 312.1
2
1
0
−1
−2
−3

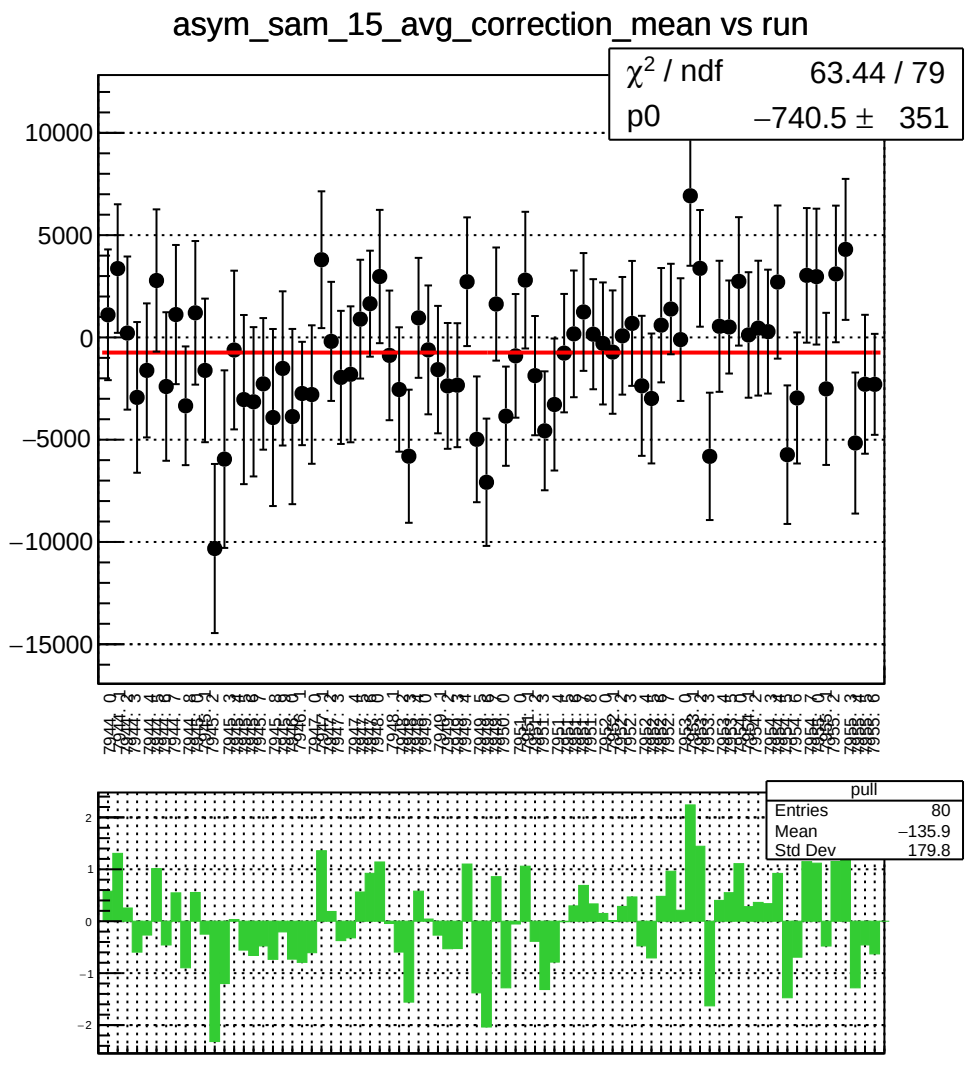

pull1D
Entries 80
Mean 0.01148
Std Dev 1.039
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

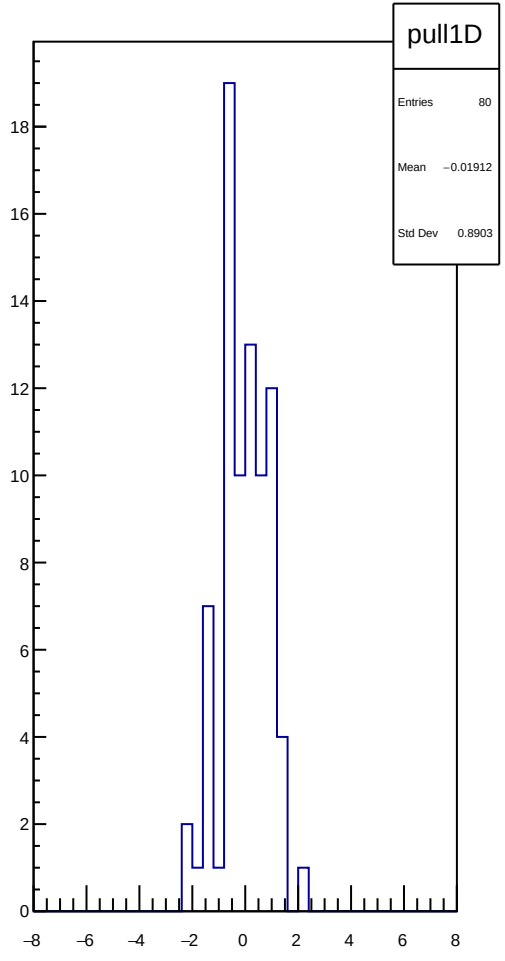

asym_sam8_rms vs run
χ² / ndf 3005 / 79
p0 590.7 ± 0.4737
700
680
660
640
620
600
580
560
540
520

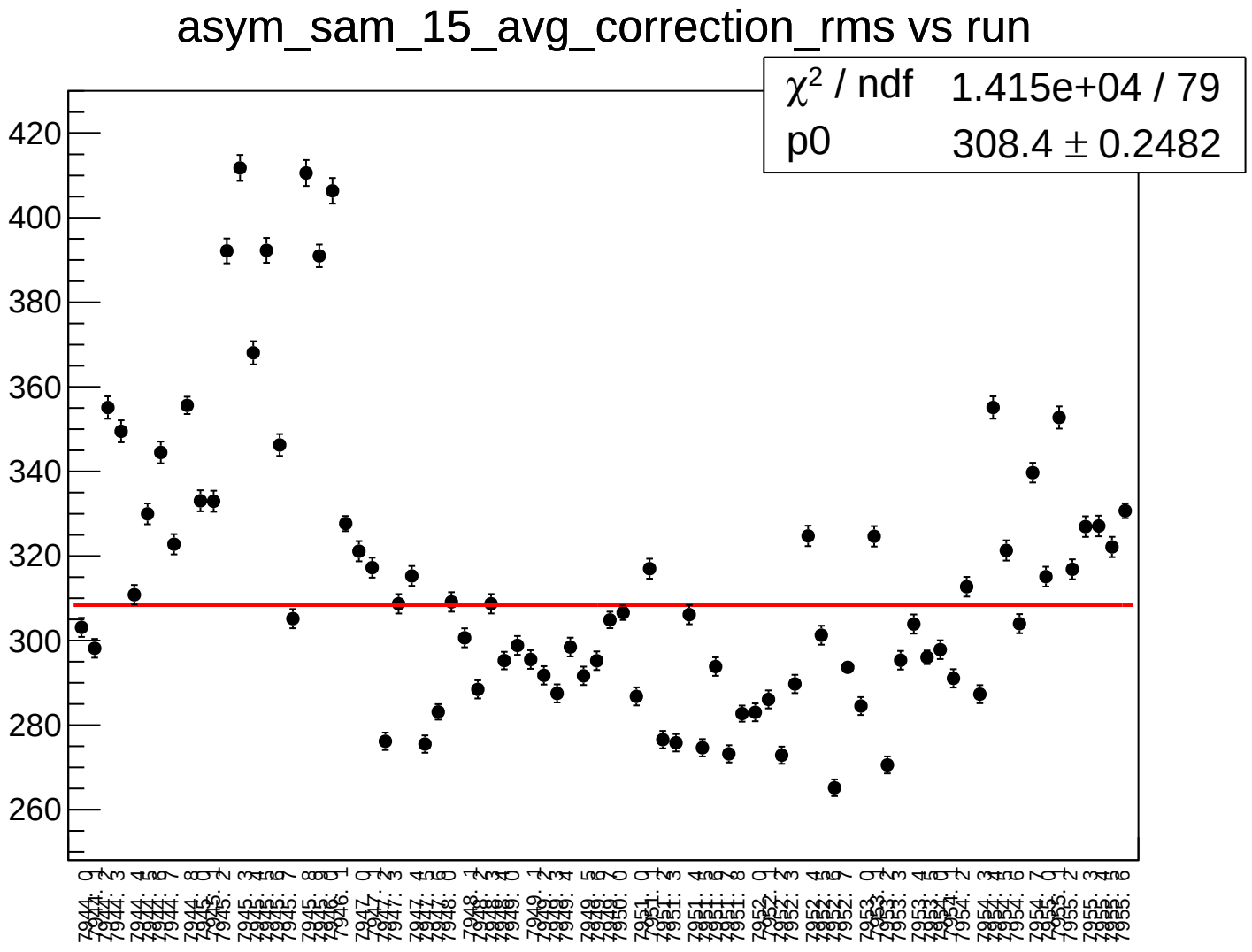

dit_asym_sam_15_avg_mean vs run
χ² / ndf 78.68 / 79
p0 107.3 ± 85.35
pull
Entries 80
Mean 64.12
Std Dev 52.05

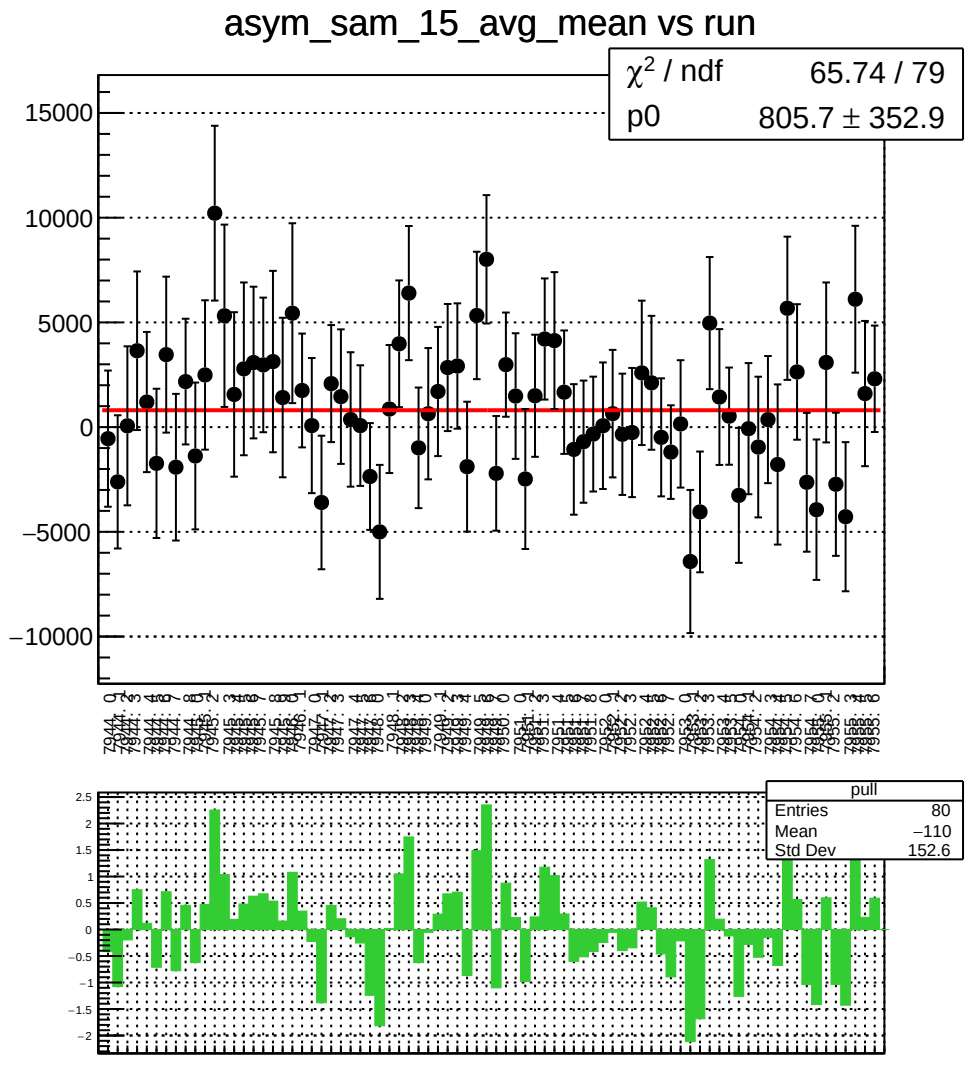

pull1D
Entries 80
Mean −0.0137
Std Dev 0.9916

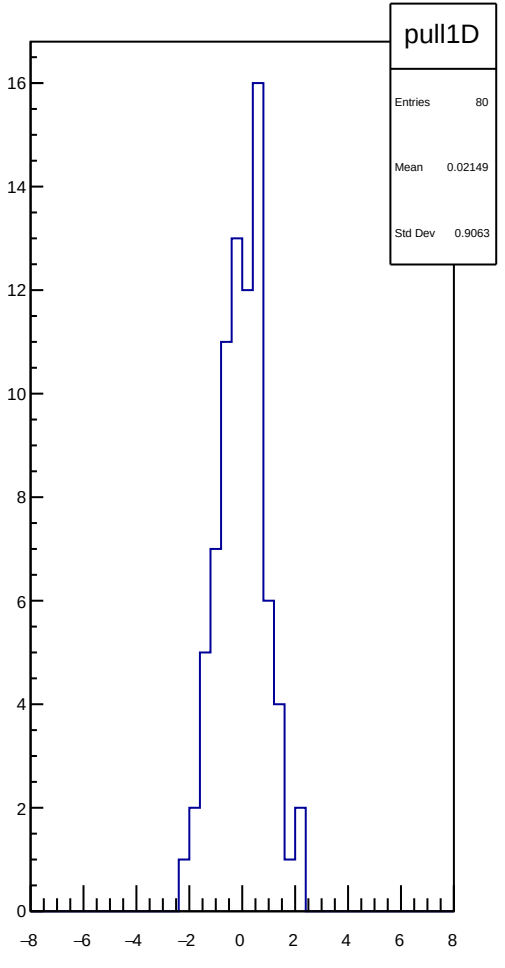

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.41e+04 / 79
p0 74.99 ± 0.06035
120
110
100
90
80
70

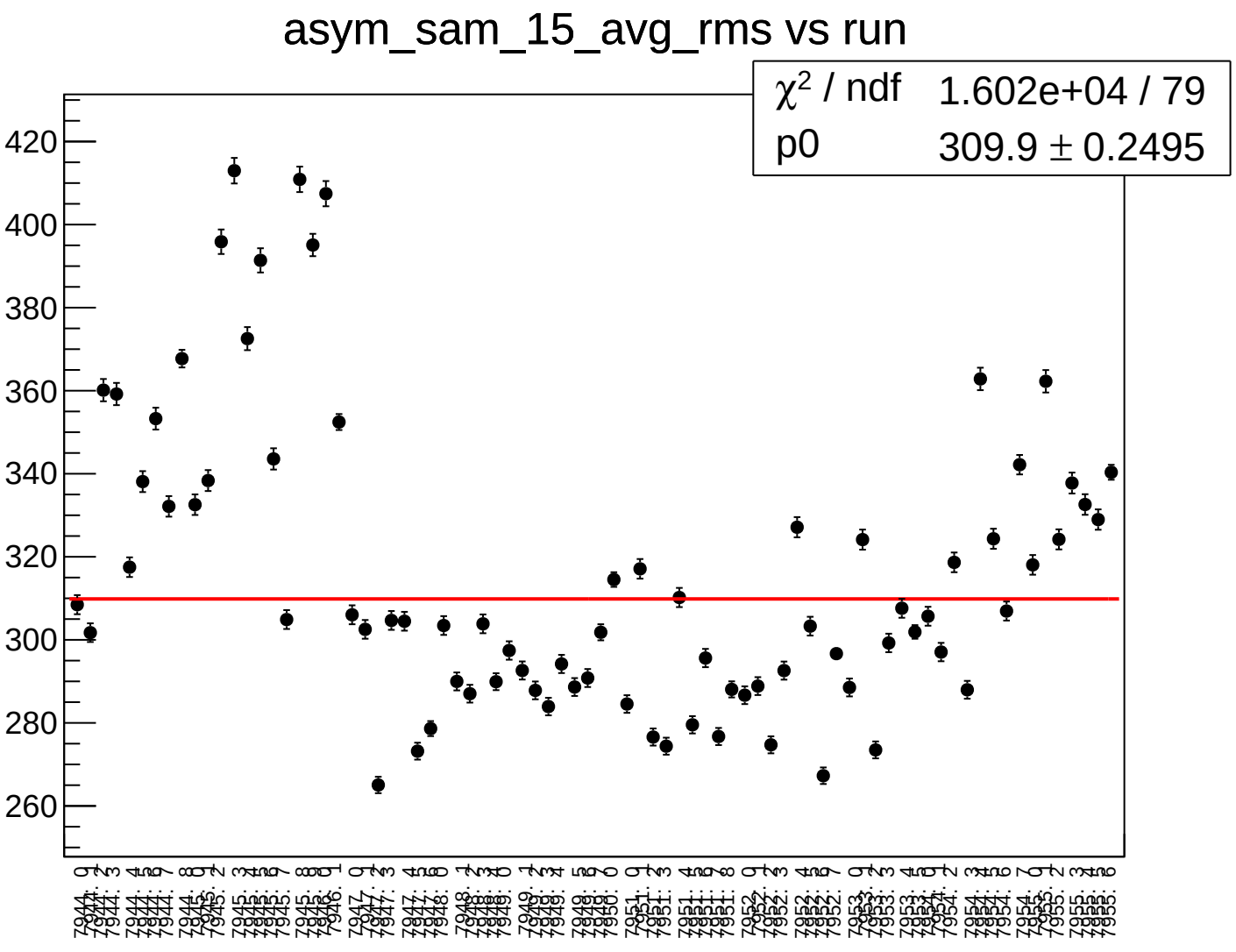

asym_sam_15_avg_correction_mean vs run
χ² / ndf 63.44 / 79
p0 −740.5 ± 351
pull
Entries 80
Mean −135.9
Std Dev 179.8

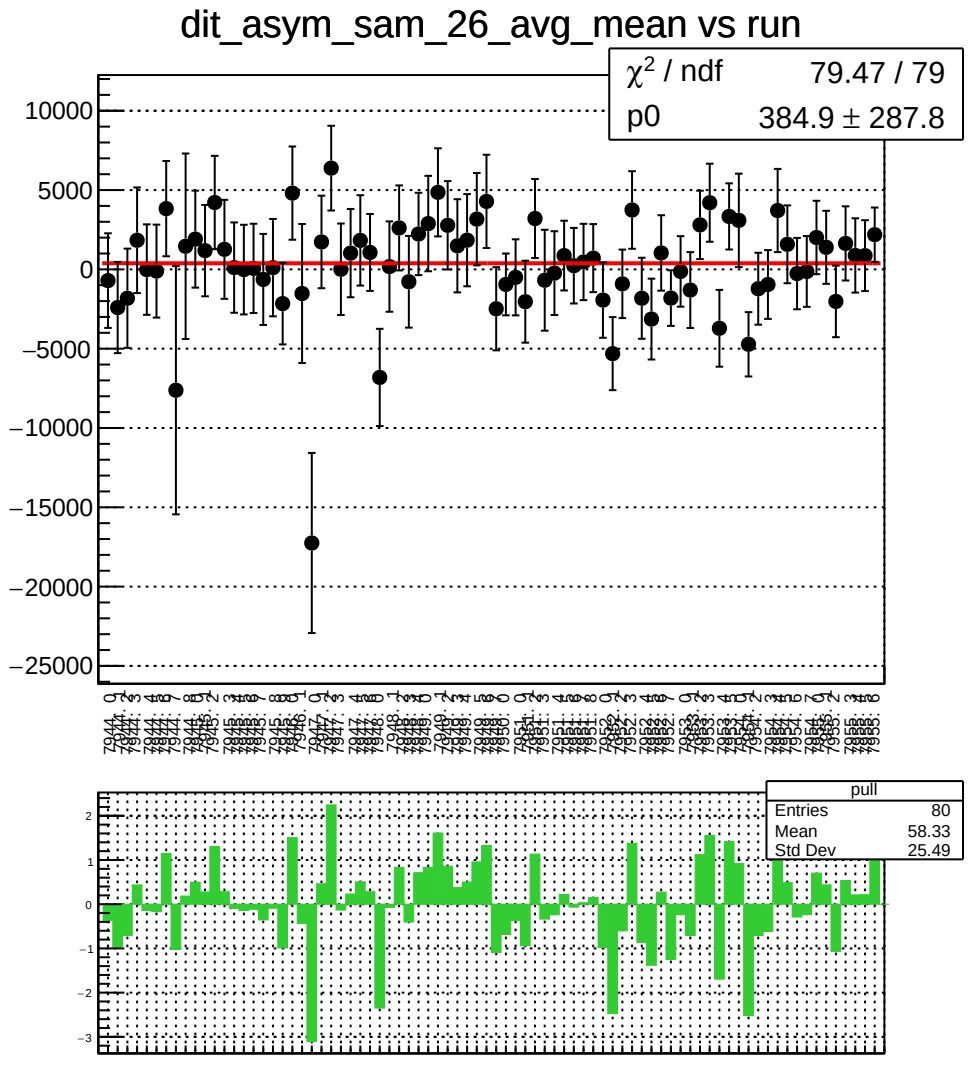

pull1D
Entries 80
Mean −0.01912
Std Dev 0.8903

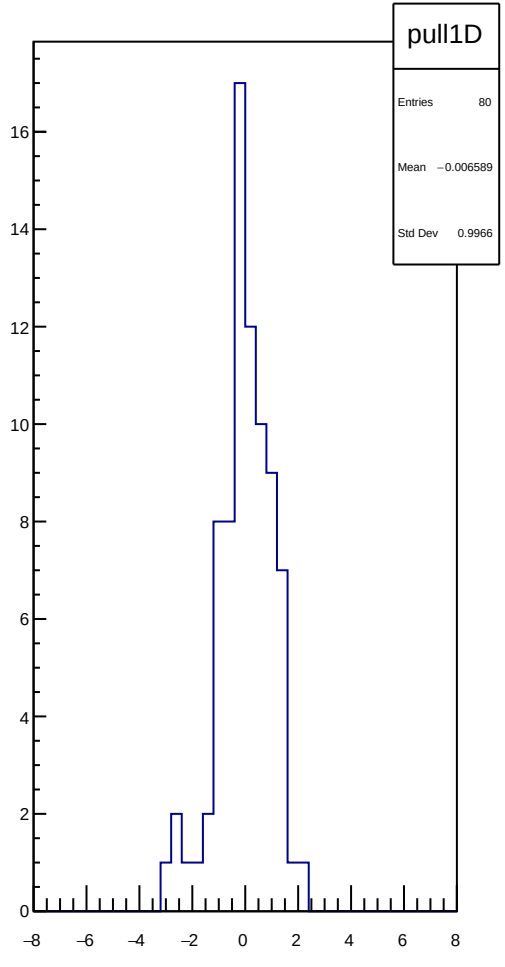

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.415e+04 / 79
p0 308.4 ± 0.2482
420
400
380
360
340
320
300
280
260

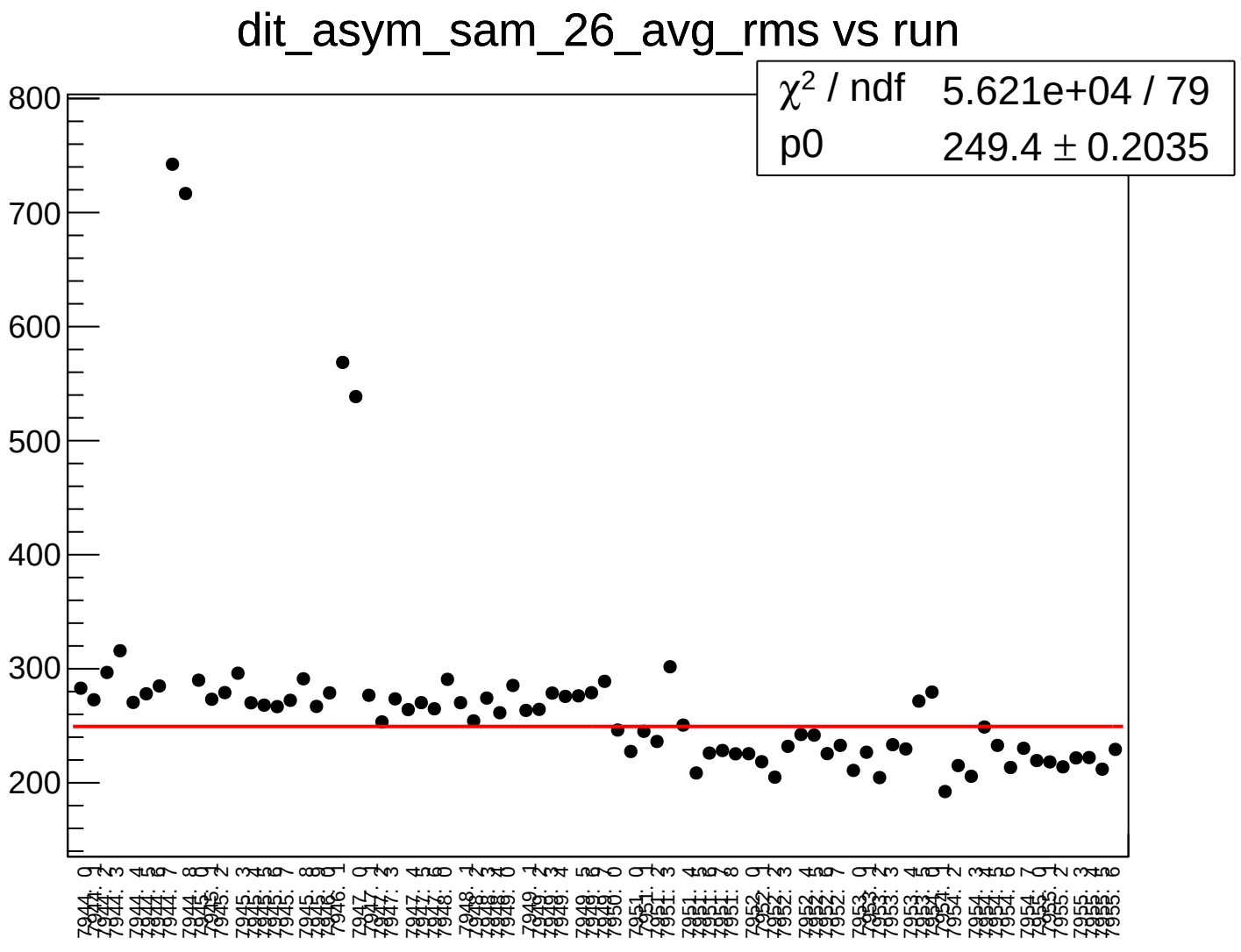

asym_sam_15_avg_mean vs run
χ² / ndf 65.74 / 79
p0 805.7 ± 352.9
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −110
Std Dev 152.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

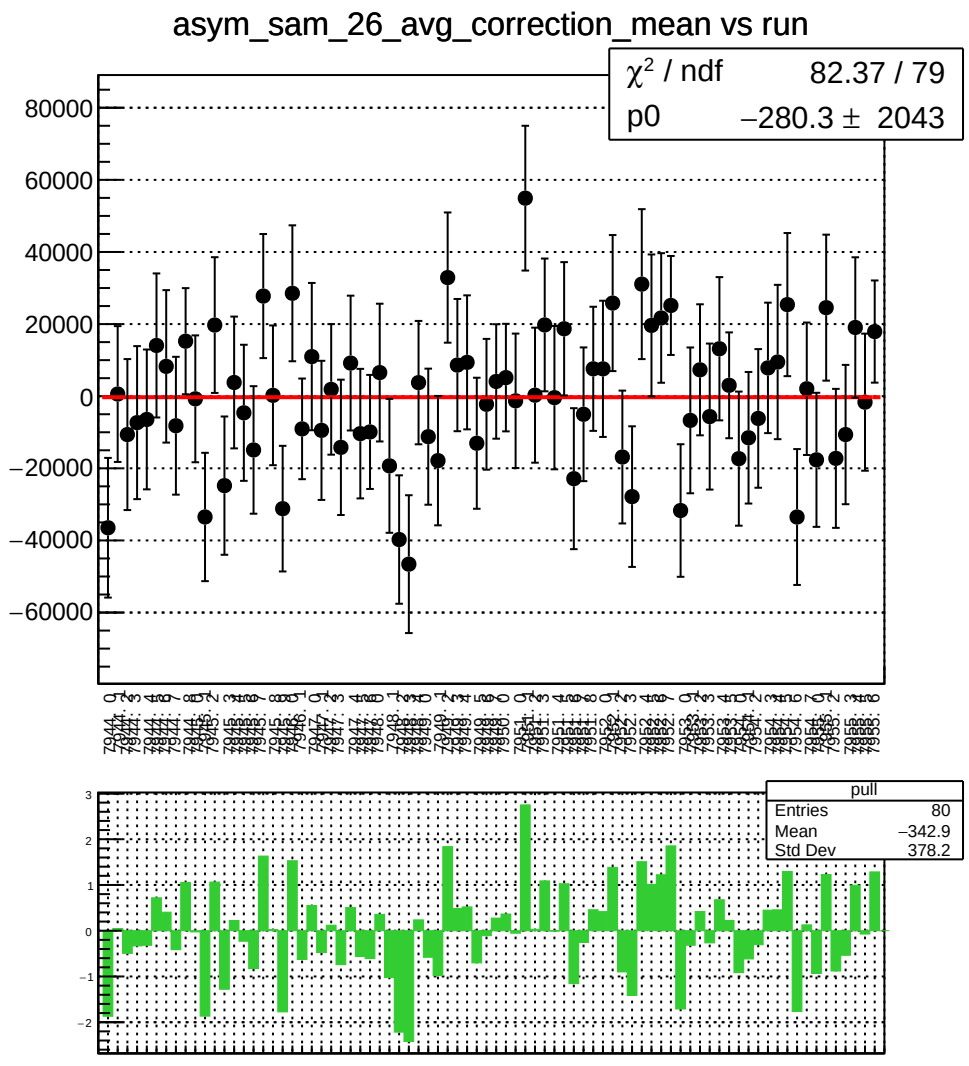

pull1D
Entries 80
Mean 0.02149
Std Dev 0.9063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

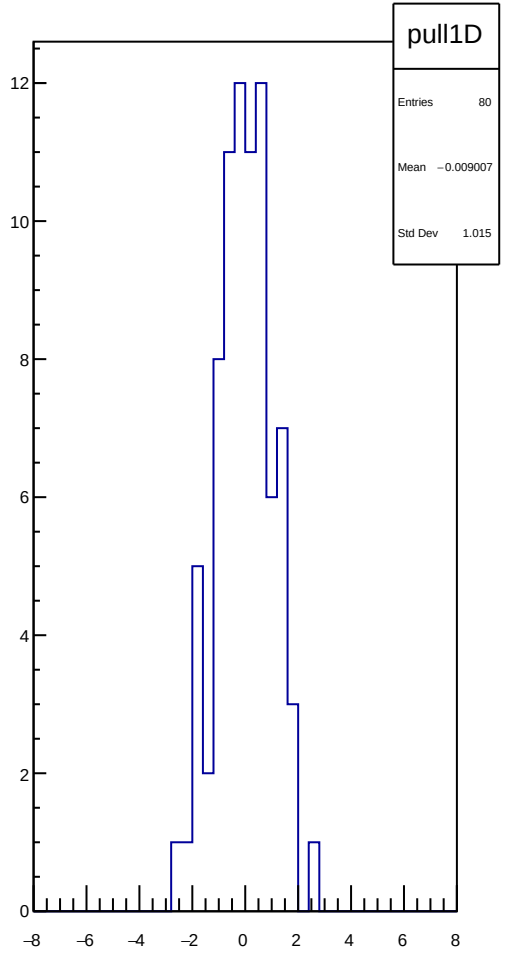

asym_sam_15_avg_rms vs run
χ^2 / ndf 1.602e+04 / 79
p0 309.9 ± 0.2495
420
400
380
360
340
320
300
280
260

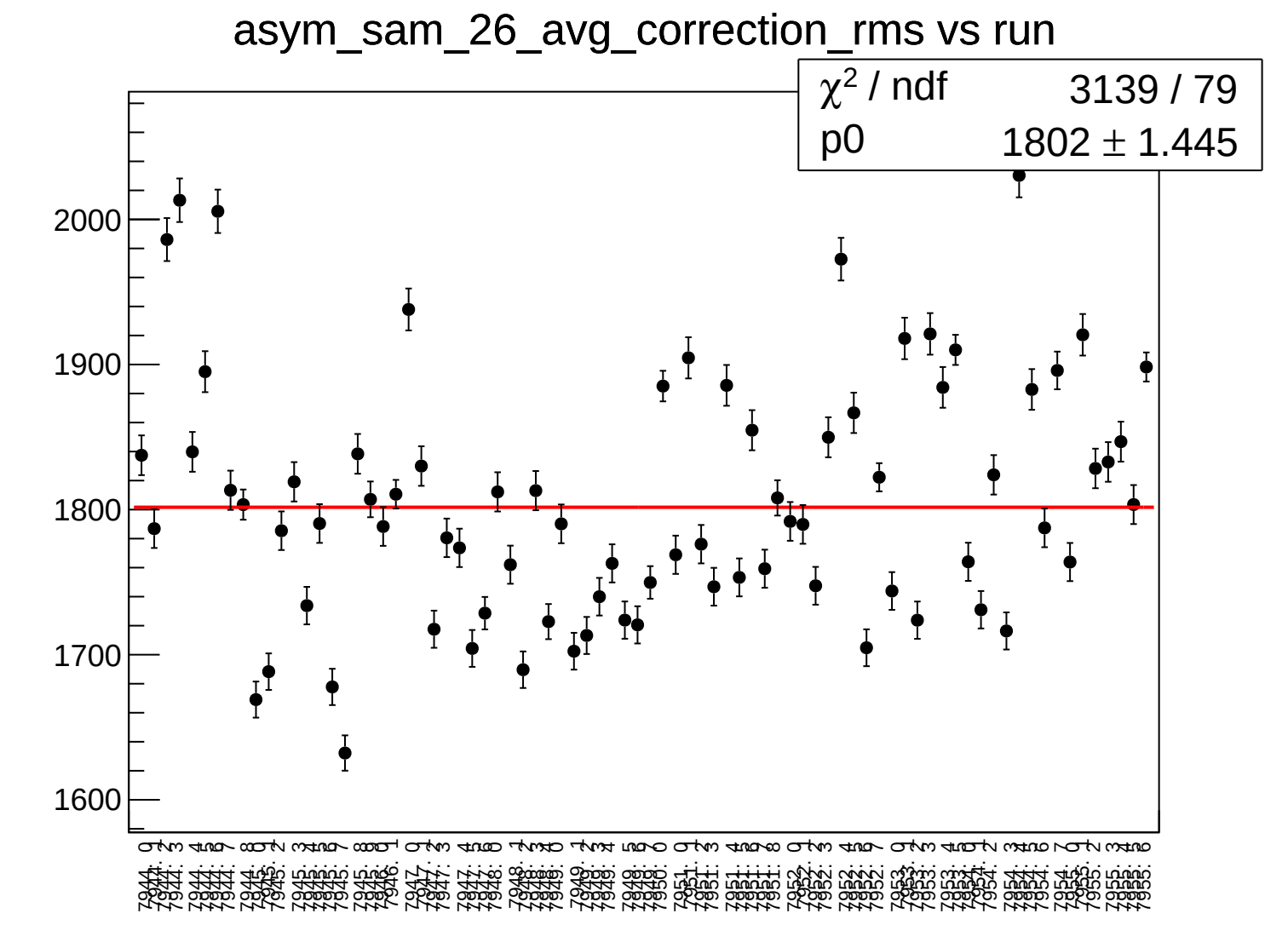

dit_asym_sam_26_avg_mean vs run
χ² / ndf 79.47 / 79
p0 384.9 ± 287.8
pull
Entries 80
Mean 58.33
Std Dev 25.49

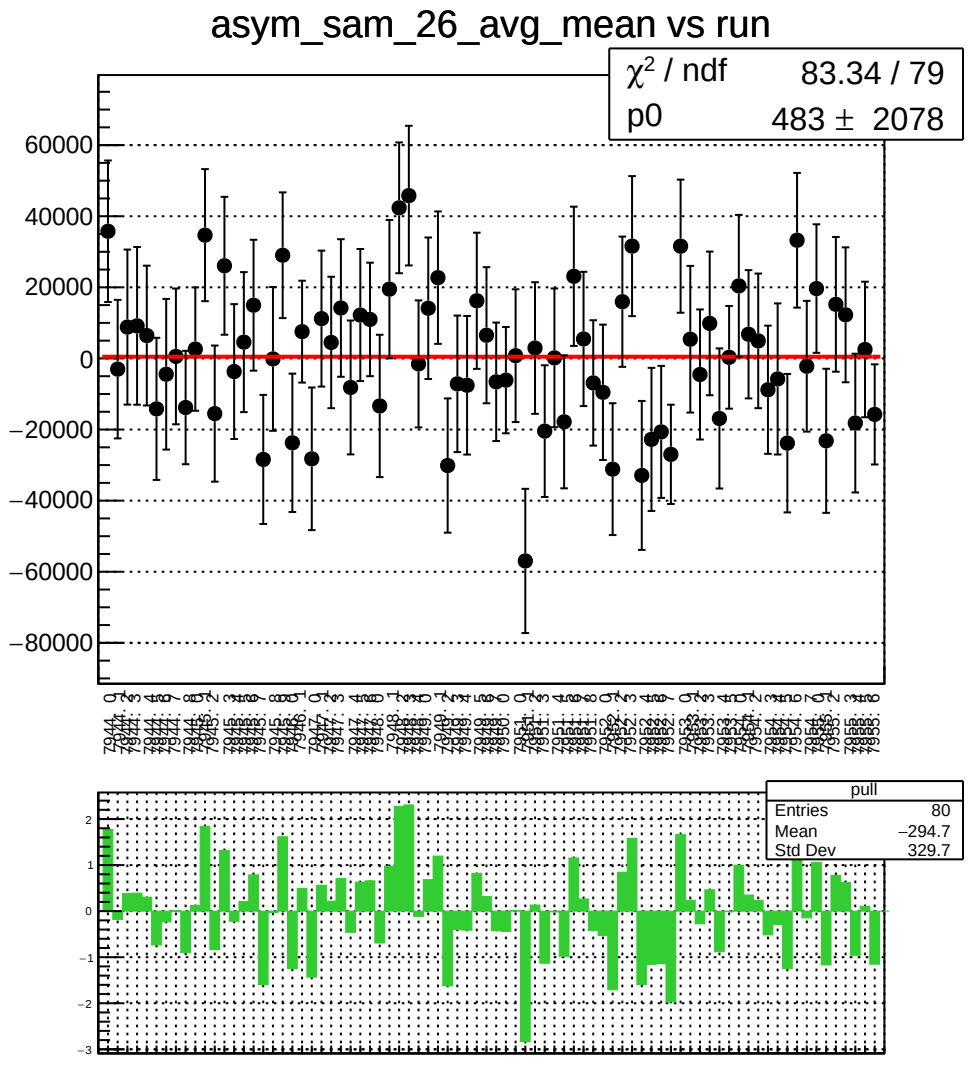

pull1D
Entries 80
Mean −0.006589
Std Dev 0.9966

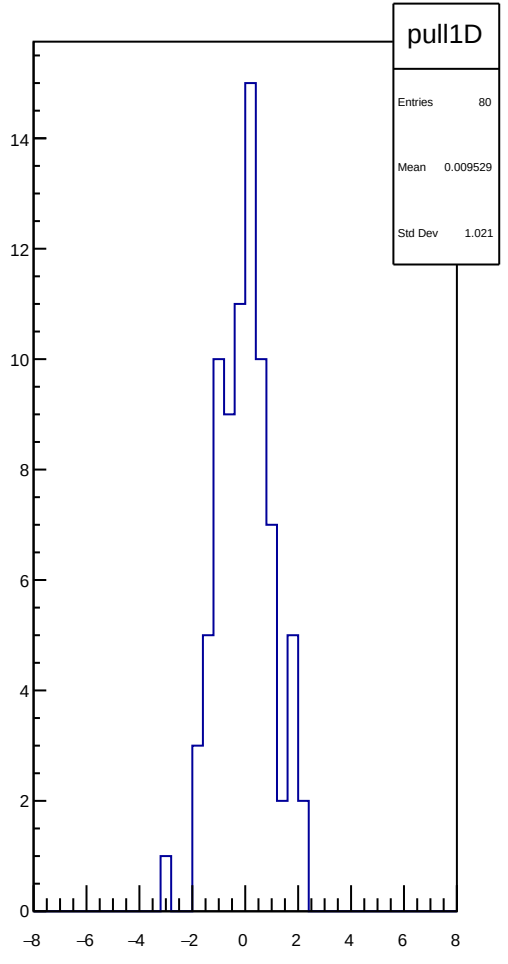

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 5.621e+04 / 79
p0 249.4 ± 0.2035
800
700
600
500
400
300
200

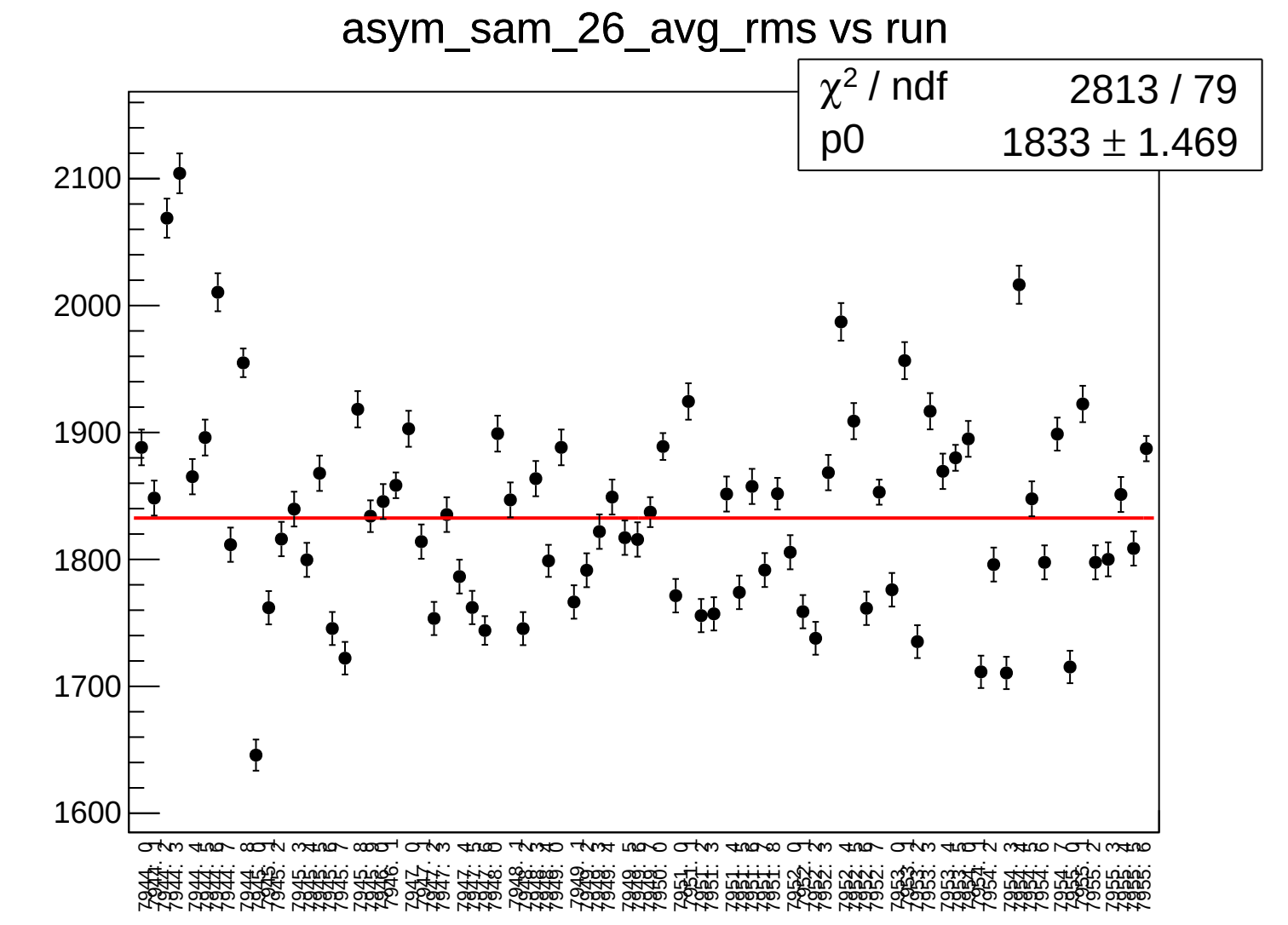

asym_sam_26_avg_correction_mean vs run
χ² / ndf 82.37 / 79
p0 −280.3 ± 2043
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −342.9
Std Dev 378.2
3
2
1
0
−1
−2

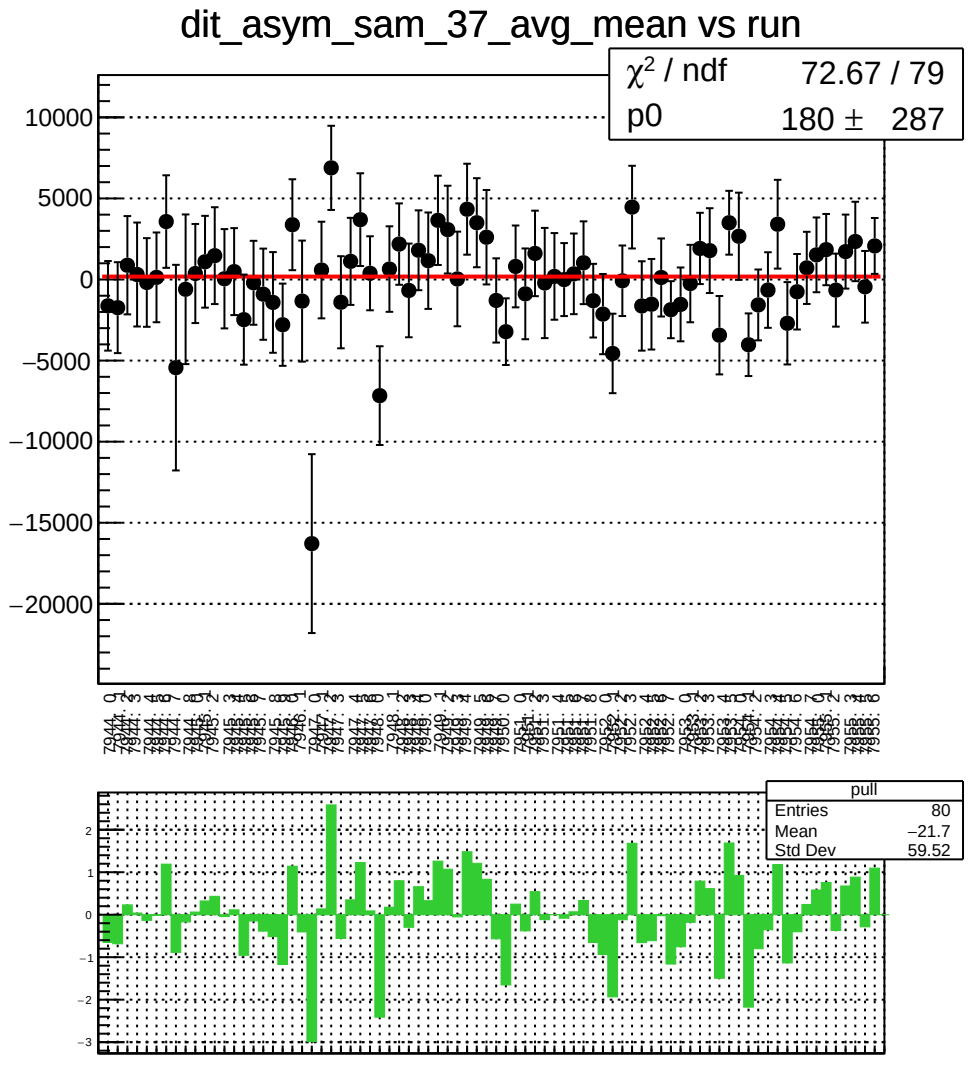

pull1D
Entries 80
Mean −0.009007
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

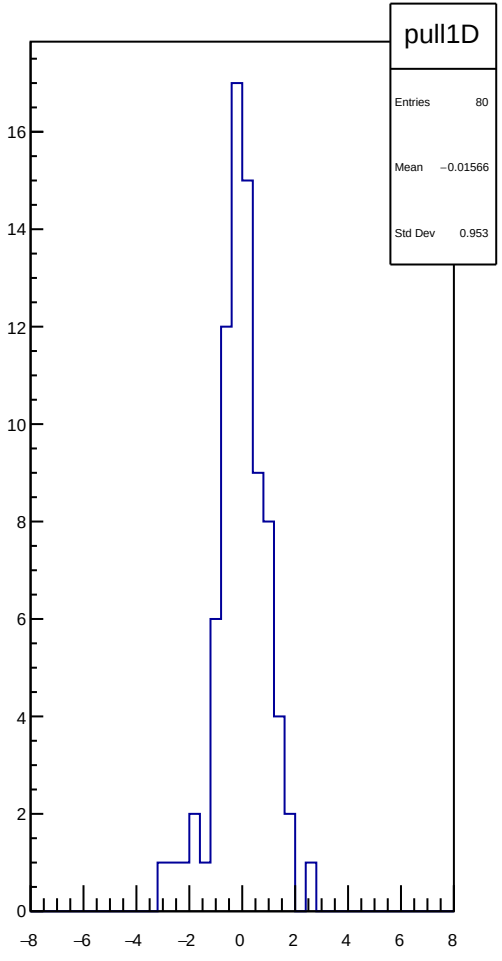

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3139 / 79
p0 1802 ± 1.445
2000
1900
1800
1700
1600

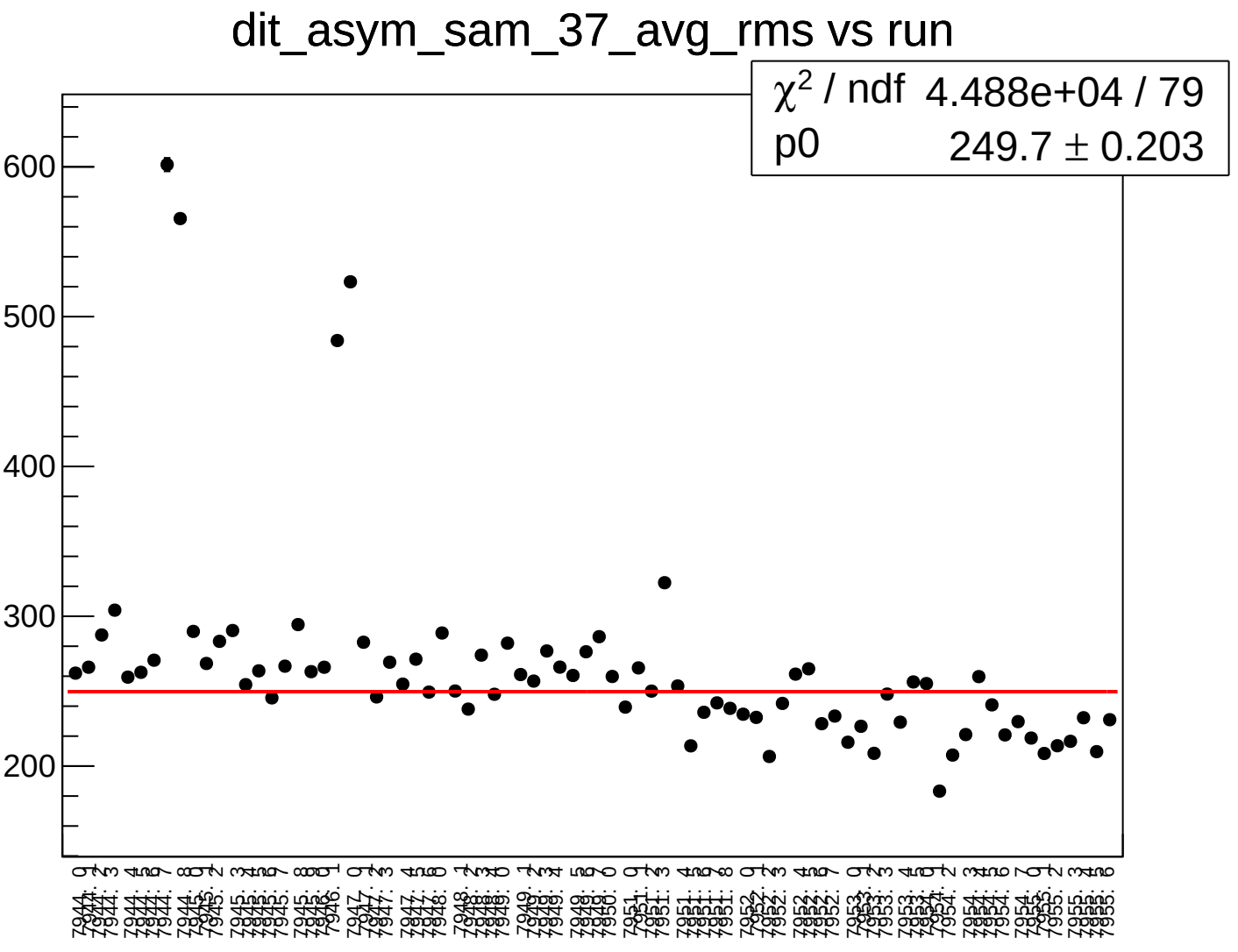

asym_sam_26_avg_mean vs run
χ² / ndf 83.34 / 79
p0 483 ± 2078
pull
Entries 80
Mean −294.7
Std Dev 329.7

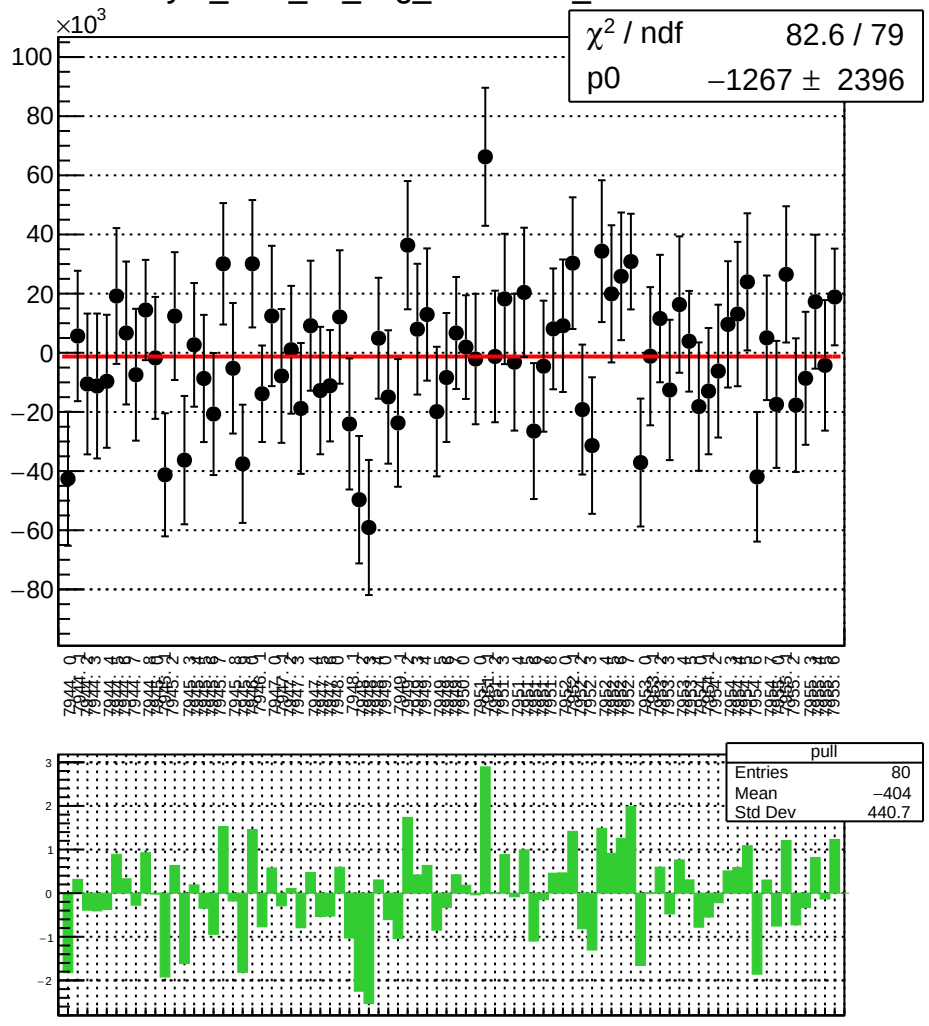

pull1D
Entries 80
Mean 0.009529
Std Dev 1.021

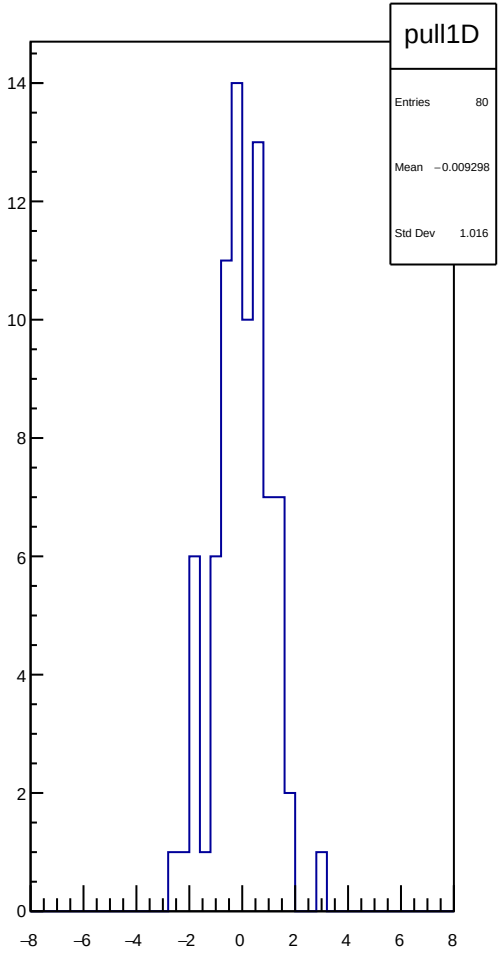

asym_sam_26_avg_rms vs run
χ^2 / ndf 2813 / 79
p0 1833 ± 1.469
2100
2000
1900
1800
1700
1600

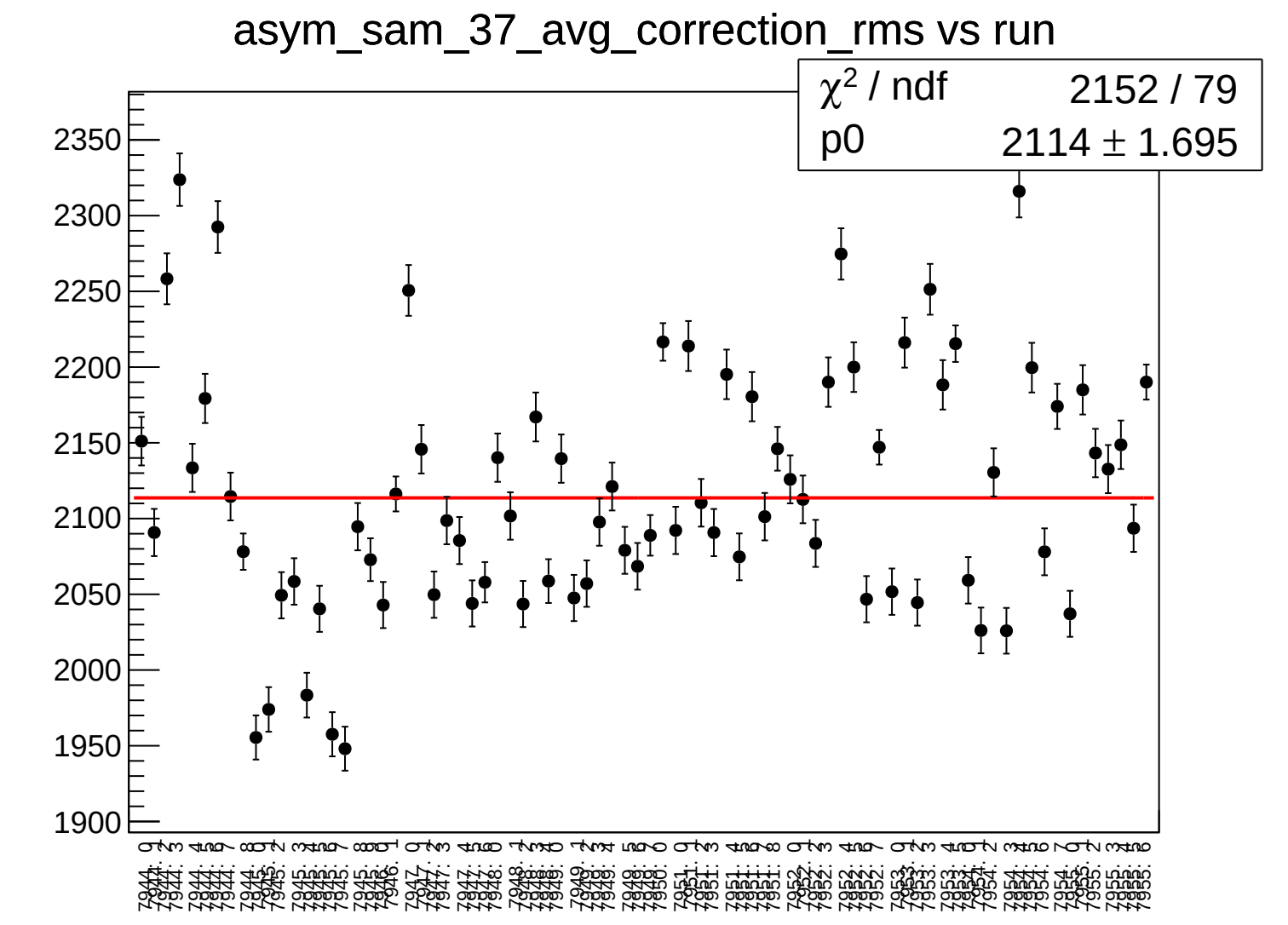

dit_asym_sam_37_avg_mean vs run
χ² / ndf 72.67 / 79
p0 180 ± 287
pull
Entries 80
Mean −21.7
Std Dev 59.52

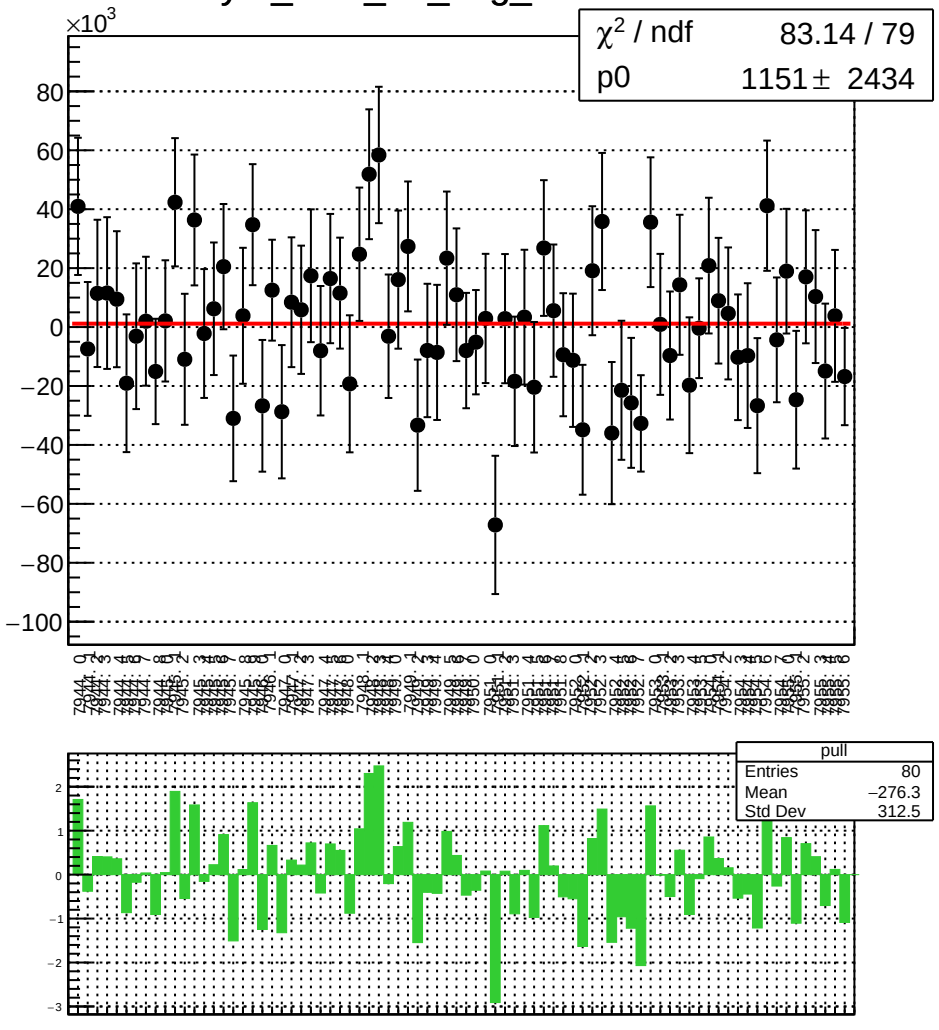

pull1D
Entries 80
Mean −0.01566
Std Dev 0.953

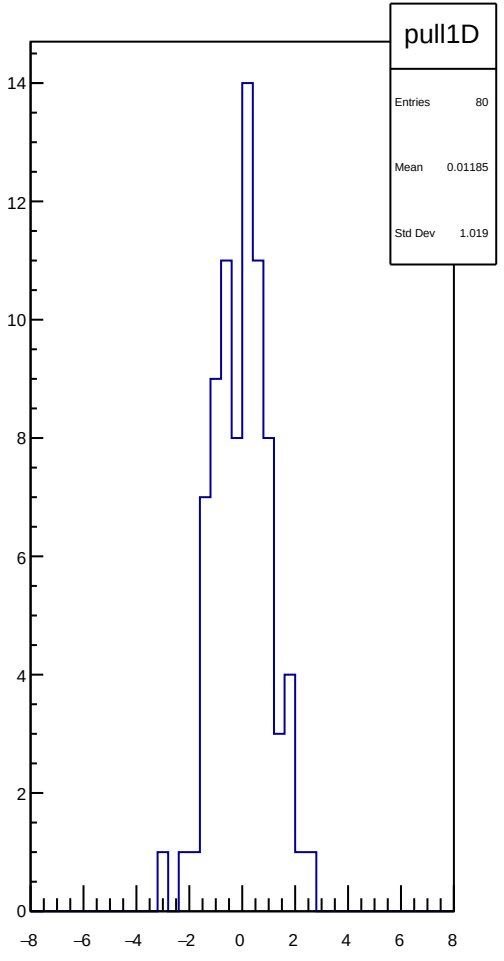

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 4.488e+04 / 79
p0 249.7 ± 0.203
600
500
400
300
200

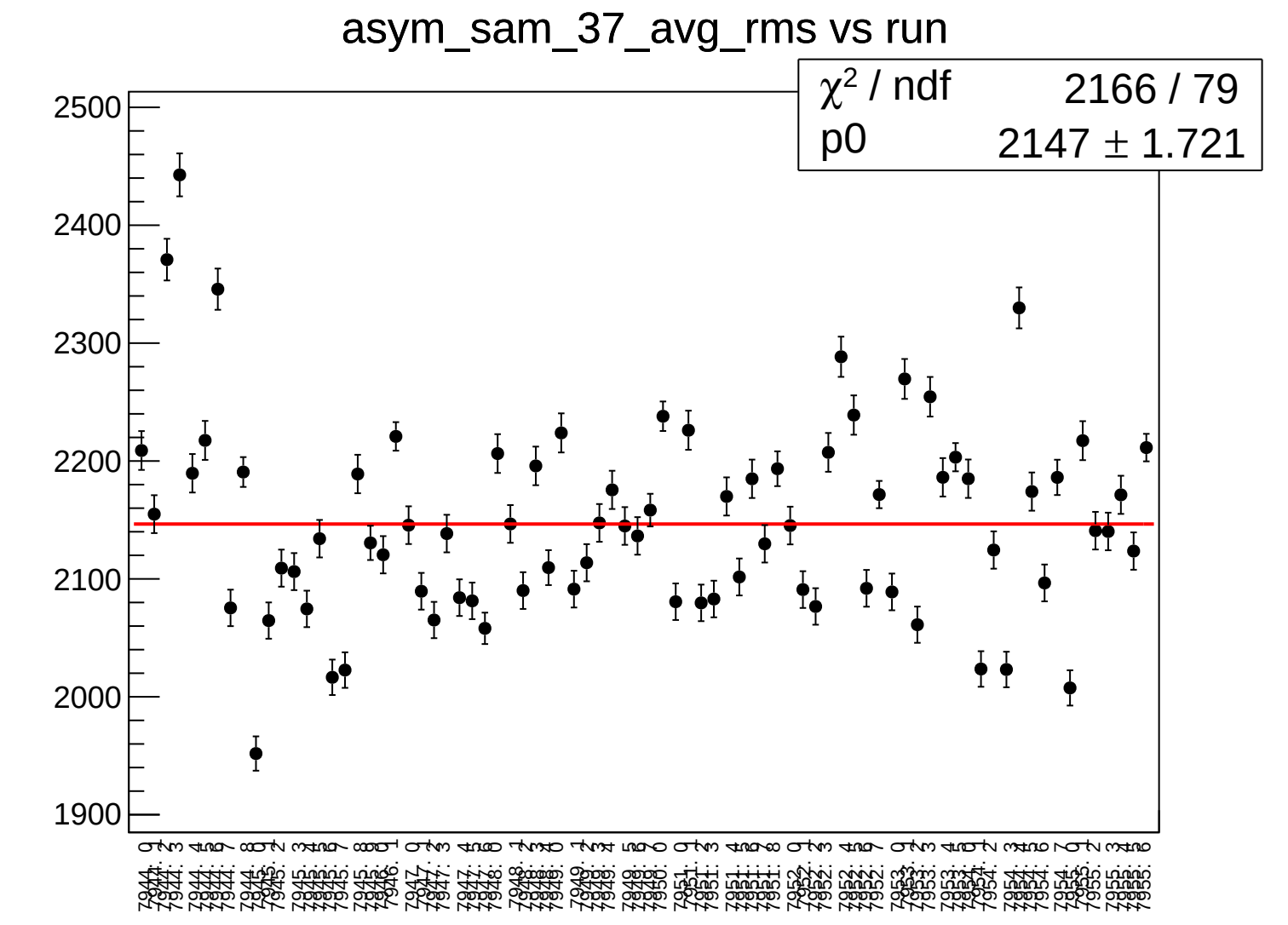

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 82.6 / 79
p0 −1267 ± 2396
pull
Entries 80
Mean −404
Std Dev 440.7

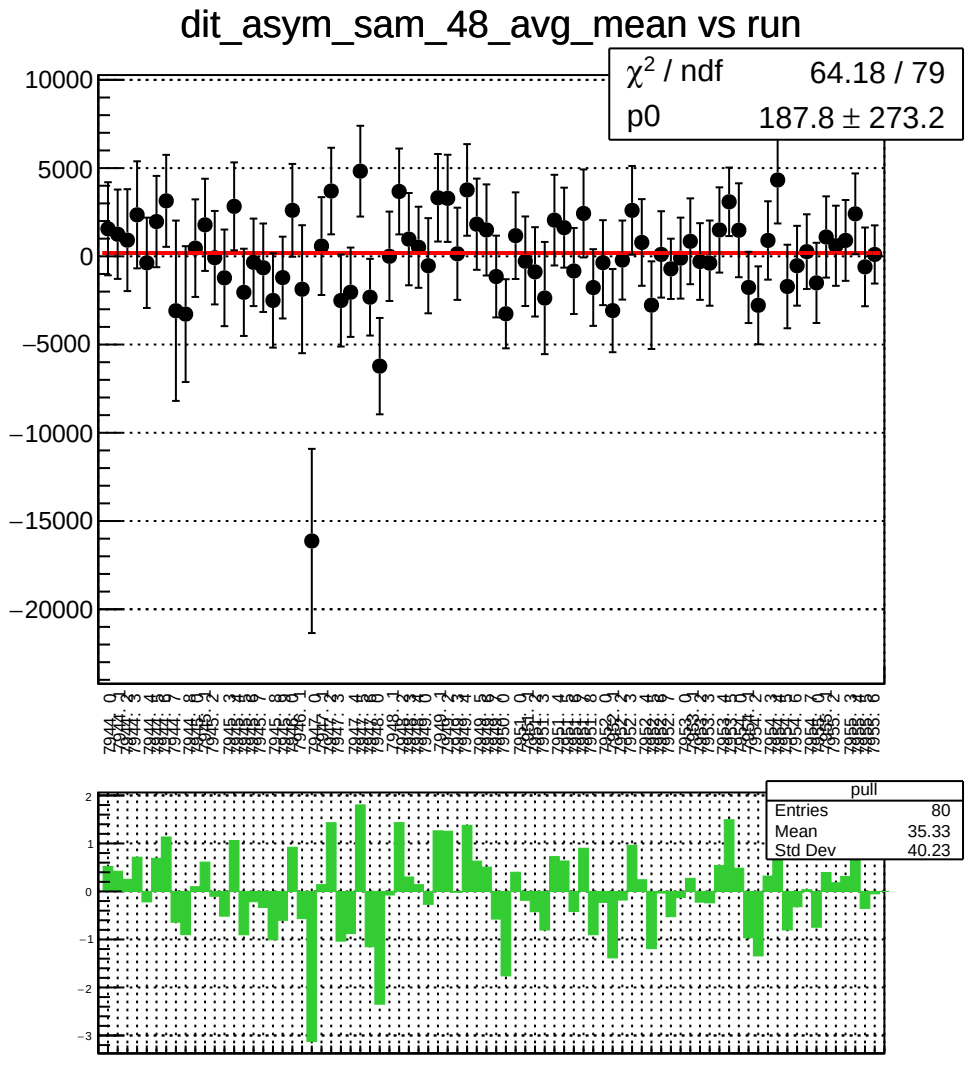

pull1D
Entries 80
Mean −0.009298
Std Dev 1.016

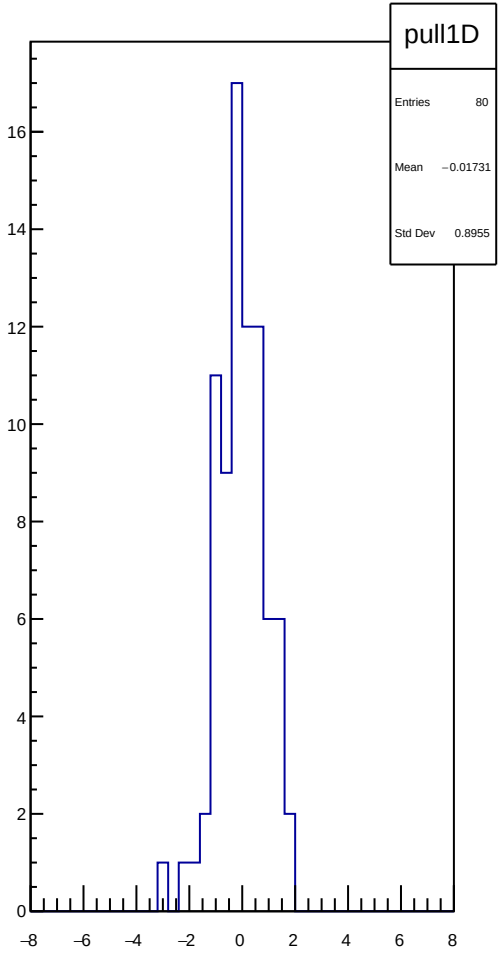

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2152 / 79
p0 2114 ± 1.695
2350
2300
2250
2200
2150
2100
2050
2000
1950
1900

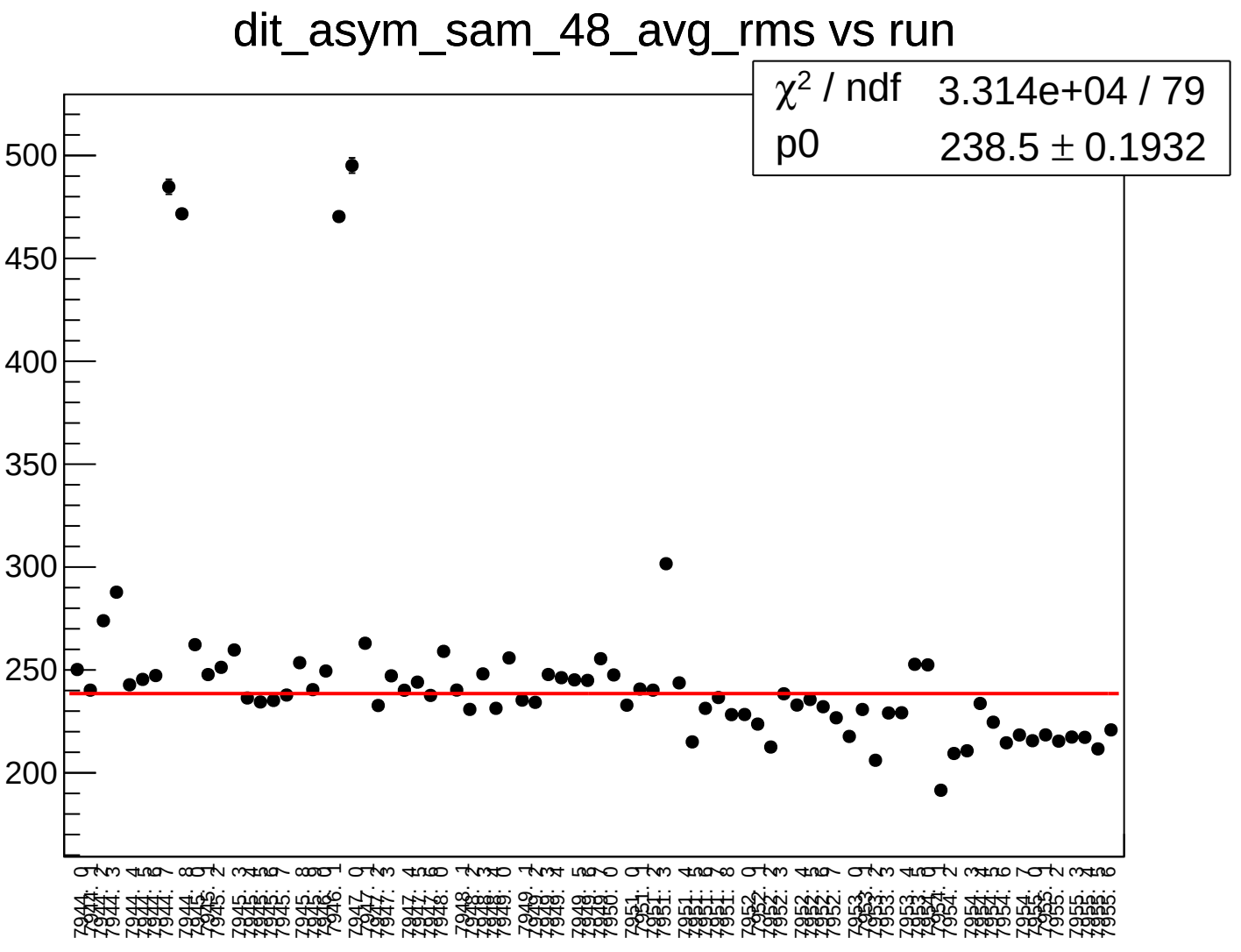

asym_sam_37_avg_mean vs run
χ² / ndf 83.14 / 79
p0 1151 ± 2434
pull
Entries 80
Mean −276.3
Std Dev 312.5

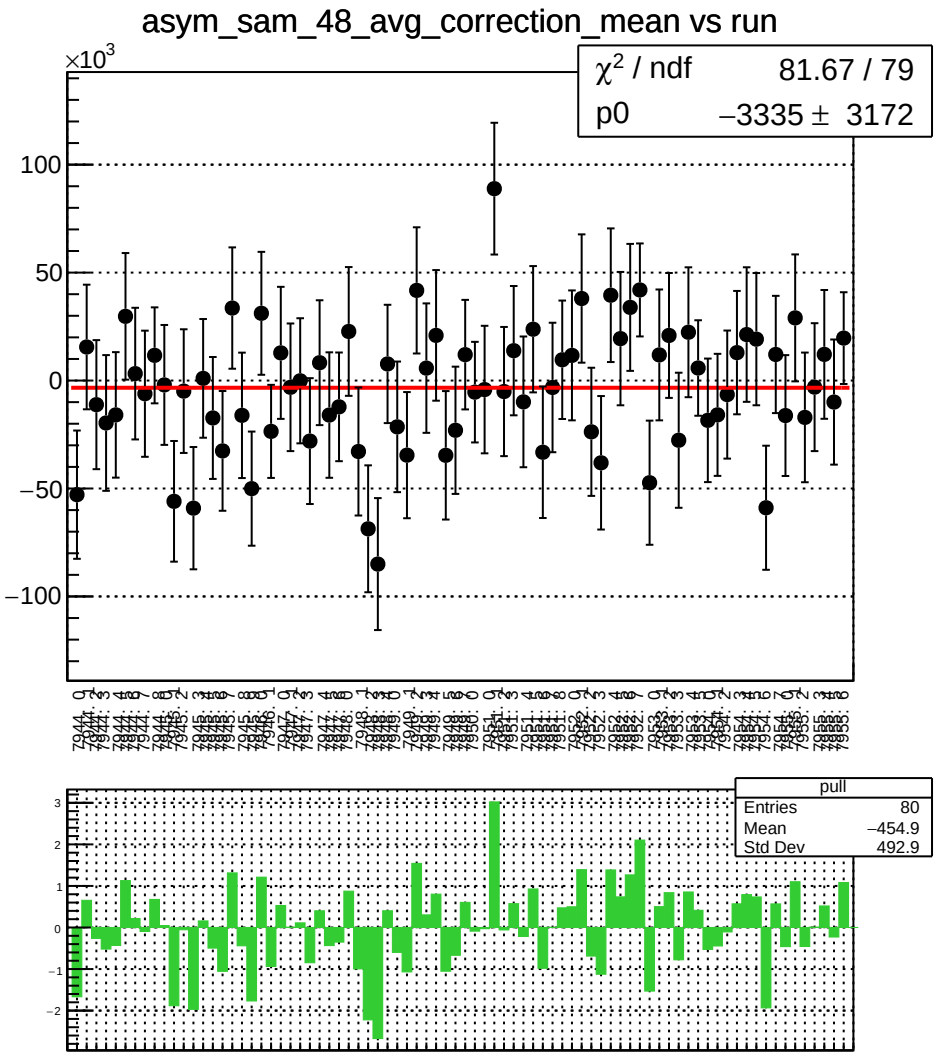

pull1D
Entries 80
Mean 0.01185
Std Dev 1.019

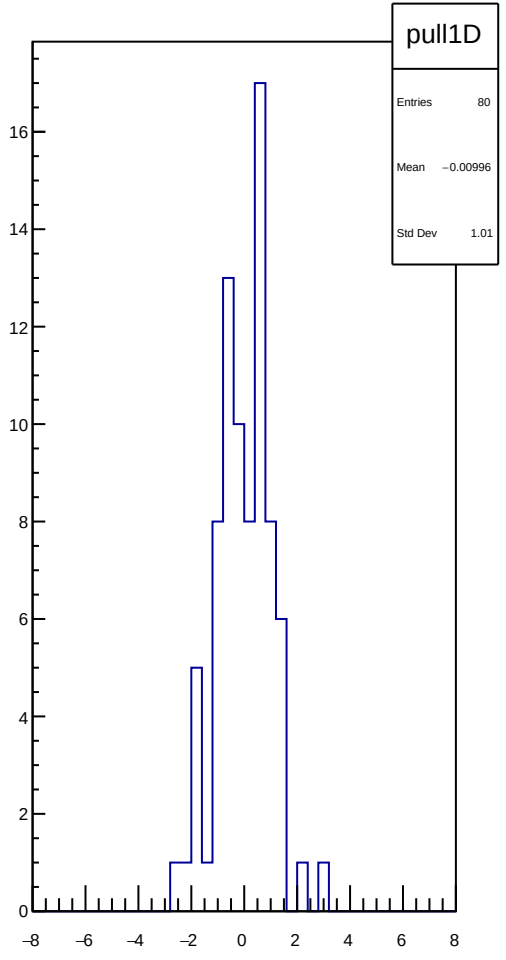

asym_sam_37_avg_rms vs run
χ² / ndf 2166 / 79
p0 2147 ± 1.721
2500
2400
2300
2200
2100
2000
1900

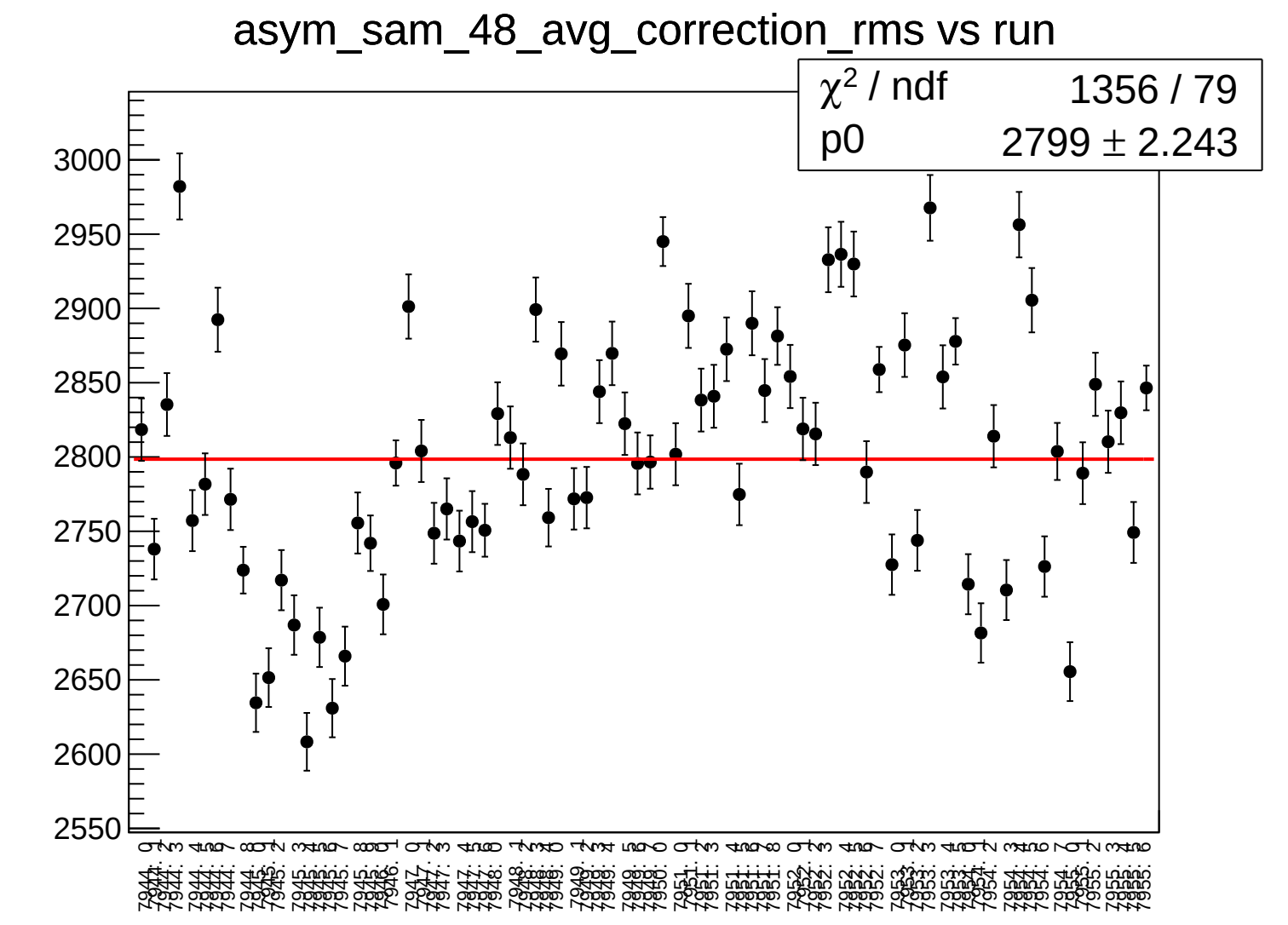

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 64.18 / 79
p0 187.8 ± 273.2
pull
Entries 80
Mean 35.33
Std Dev 40.23

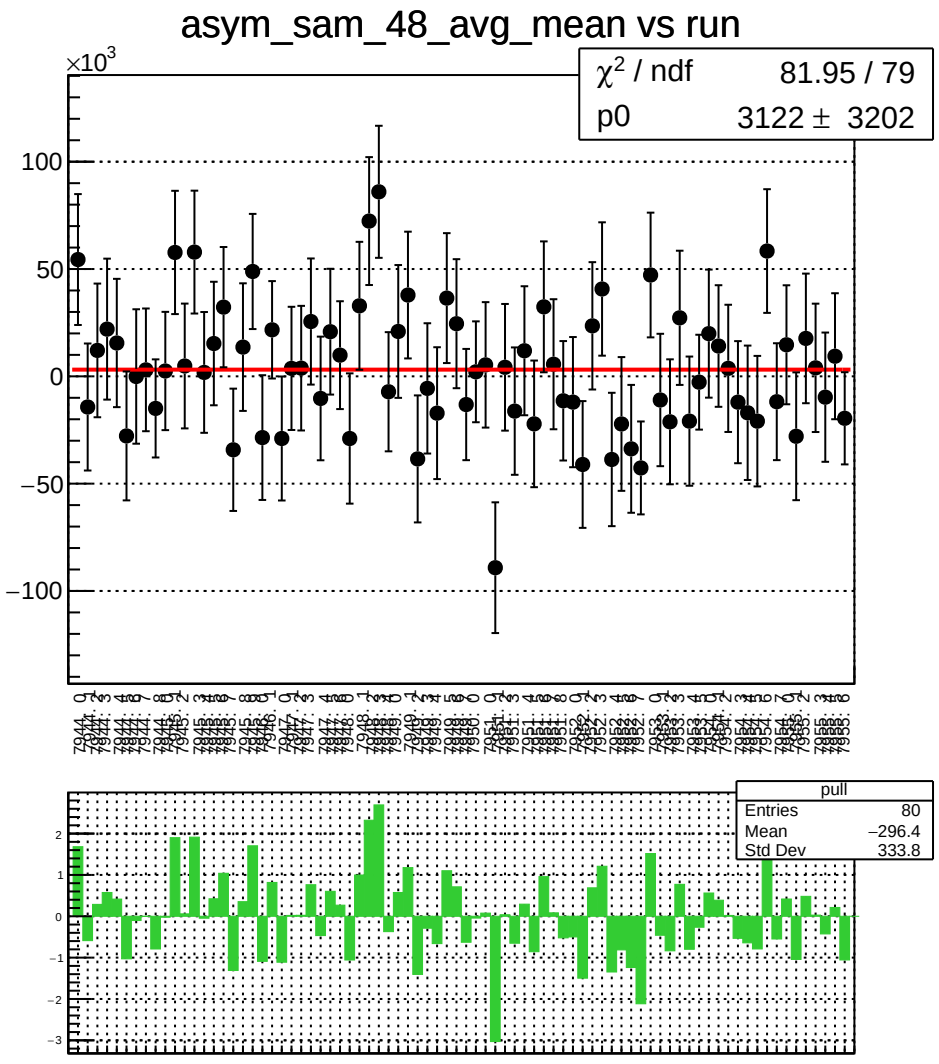

pull1D
Entries 80
Mean −0.01731
Std Dev 0.8955

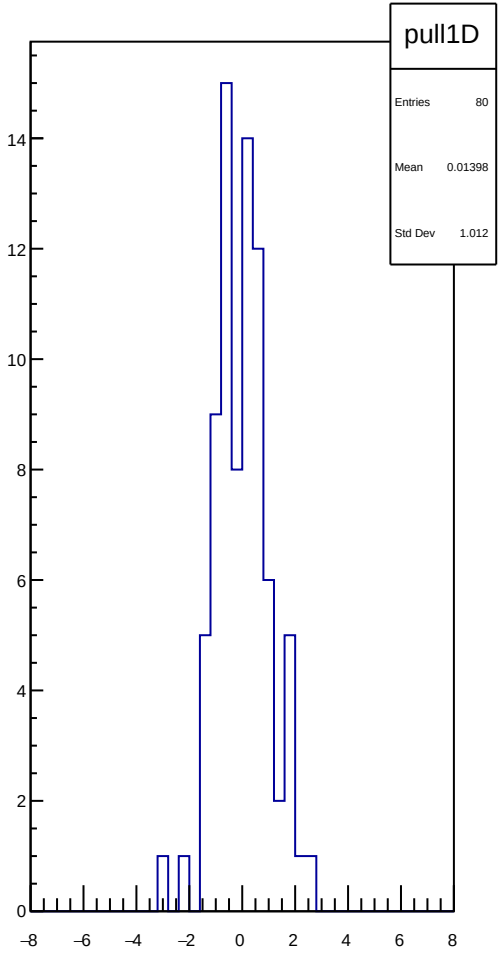

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 3.314e+04 / 79
p0 238.5 ± 0.1932
500
450
400
350
300
250
200

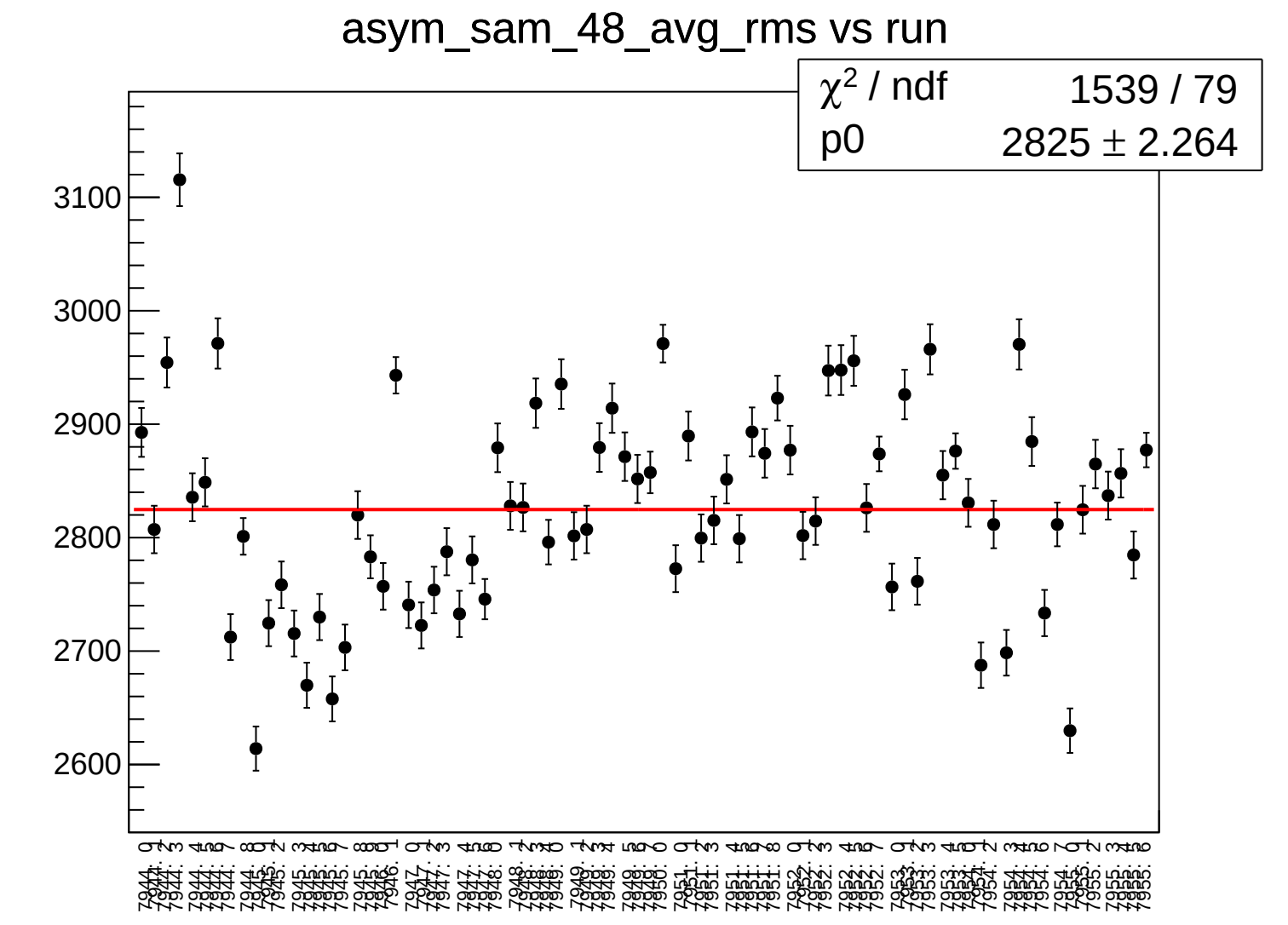

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 81.67 / 79
p0 −3335 ± 3172
100
50
0
−50
−100
pull
Entries 80
Mean −454.9
Std Dev 492.9
3
2
1
0
−1
−2

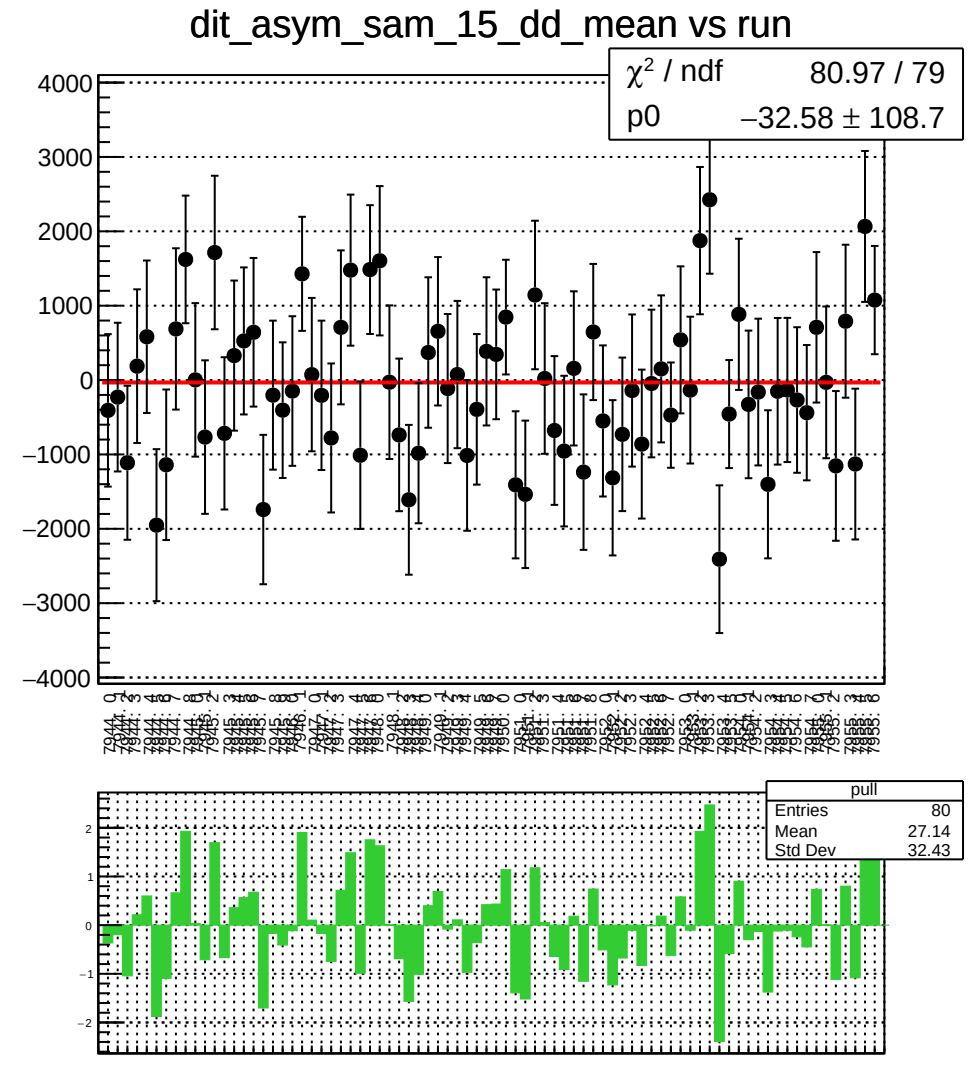

pull1D
Entries 80
Mean −0.00996
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

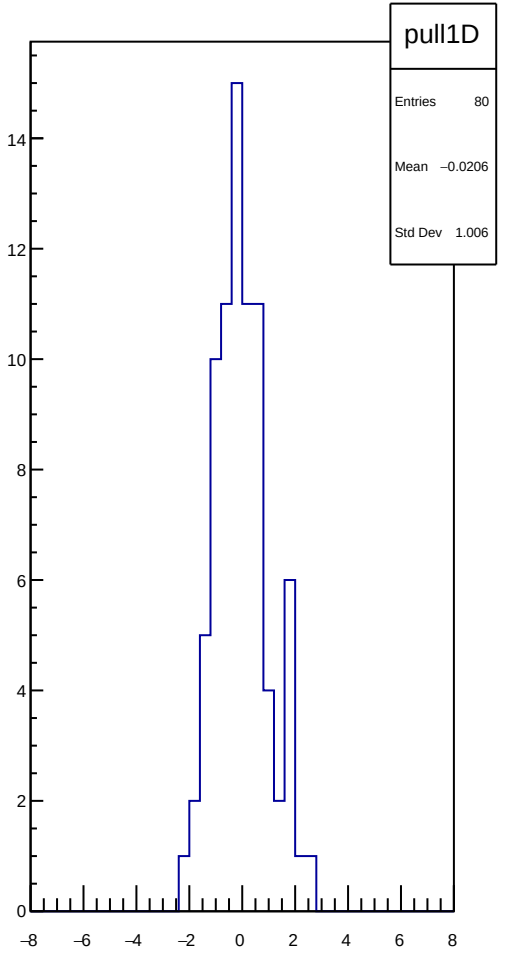

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1356 / 79
p0 2799 ± 2.243
3000
2950
2900
2850
2800
2750
2700
2650
2600
2550

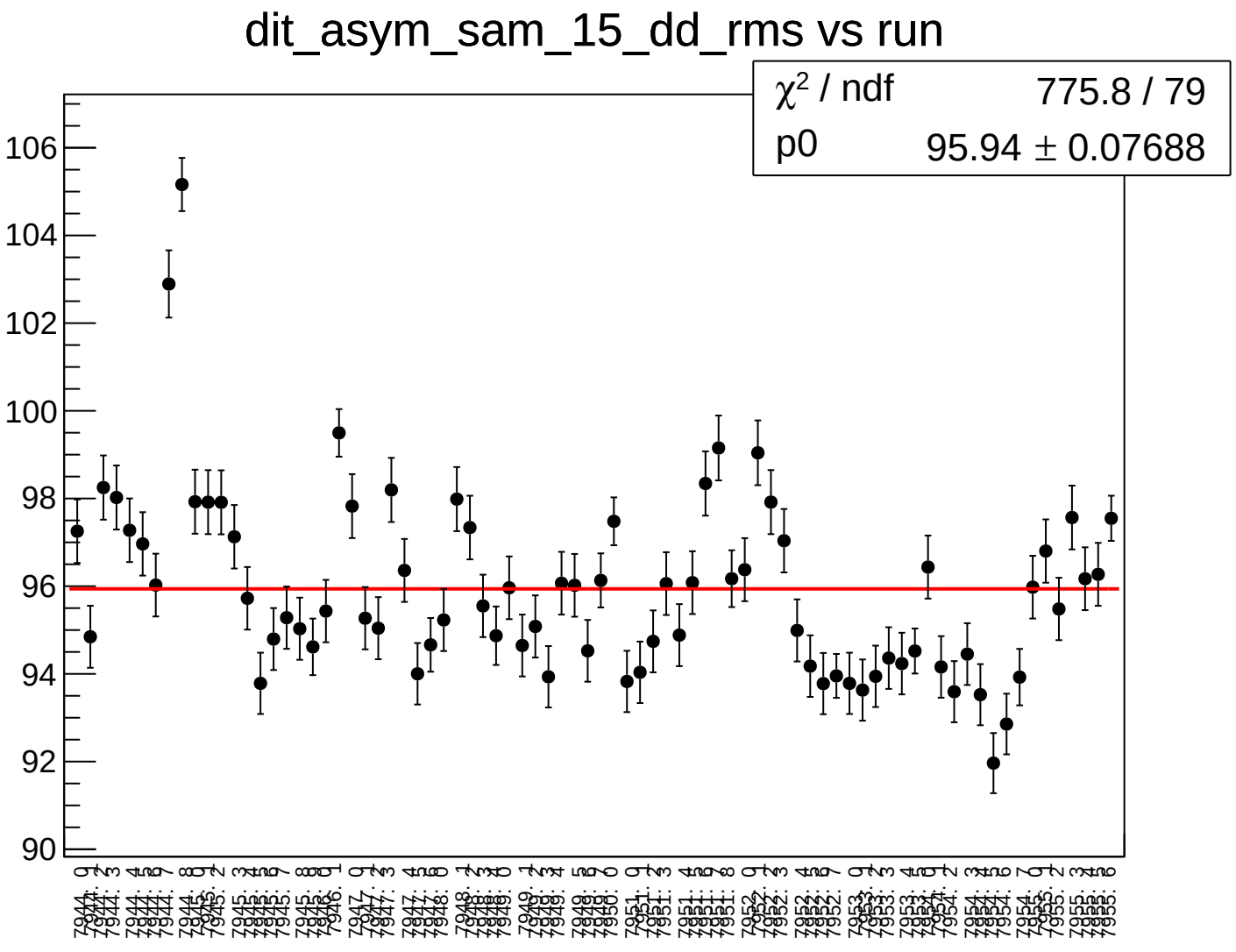

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 81.95 / 79
p0 3122 ± 3202
100
50
0
−50
−100
pull
Entries 80
Mean −296.4
Std Dev 333.8
2
1
0
−1
−2
−3

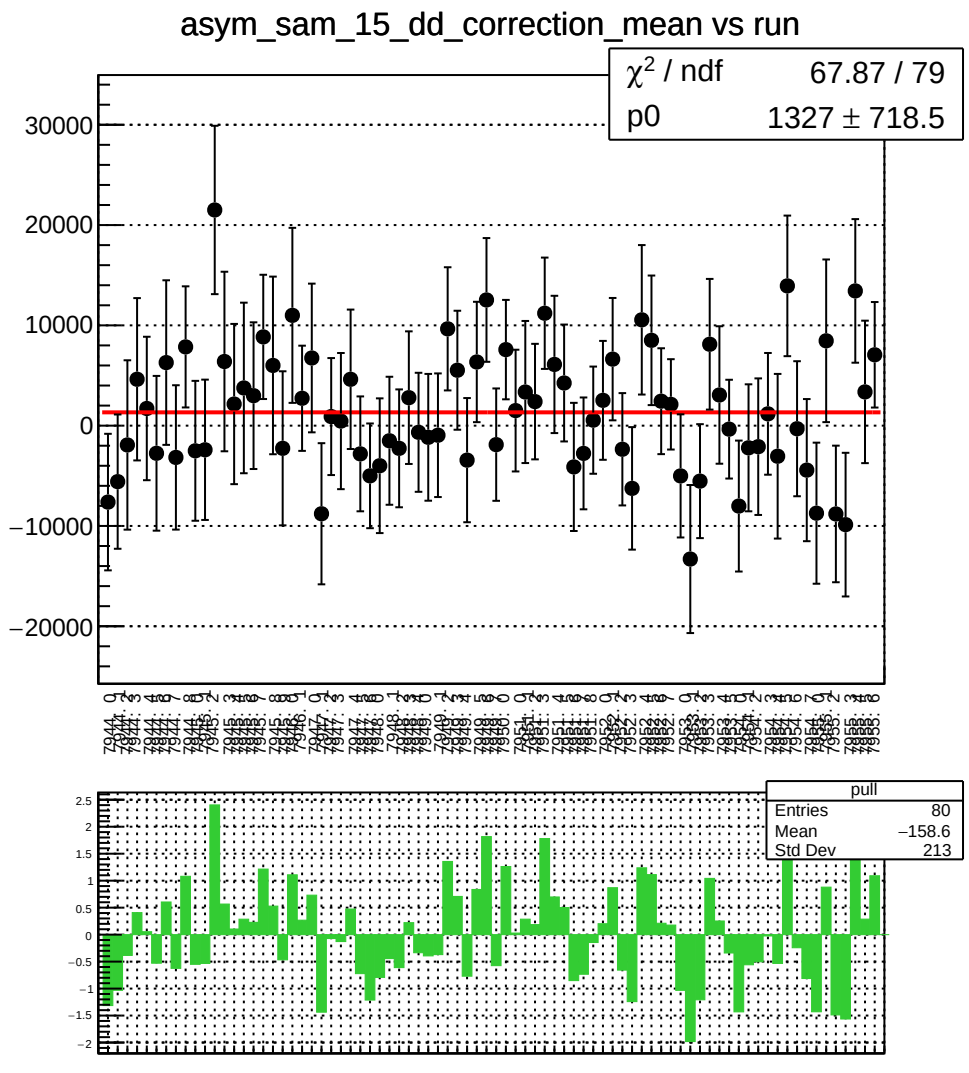

pull1D
Entries 80
Mean 0.01398
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

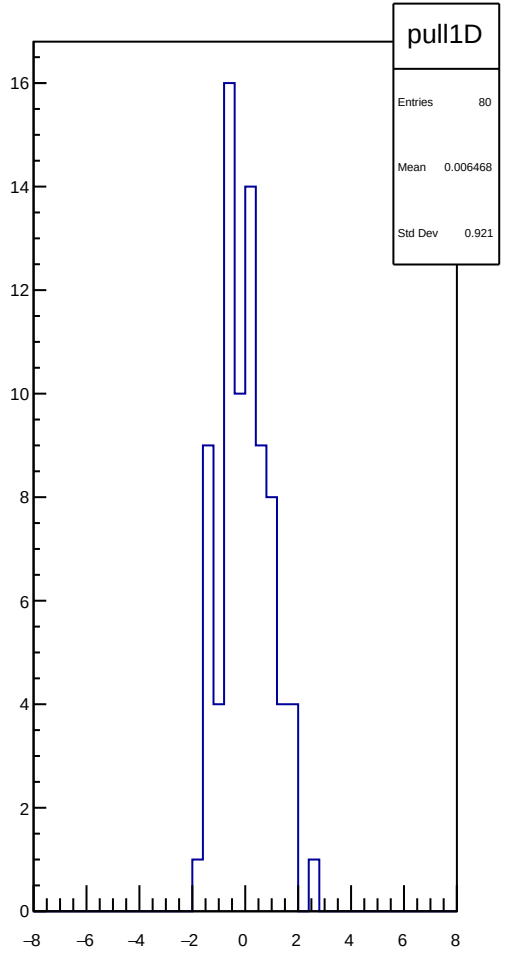

asym_sam_48_avg_rms vs run
χ^2 / ndf 1539 / 79
p0 2825 ± 2.264
3100
3000
2900
2800
2700
2600

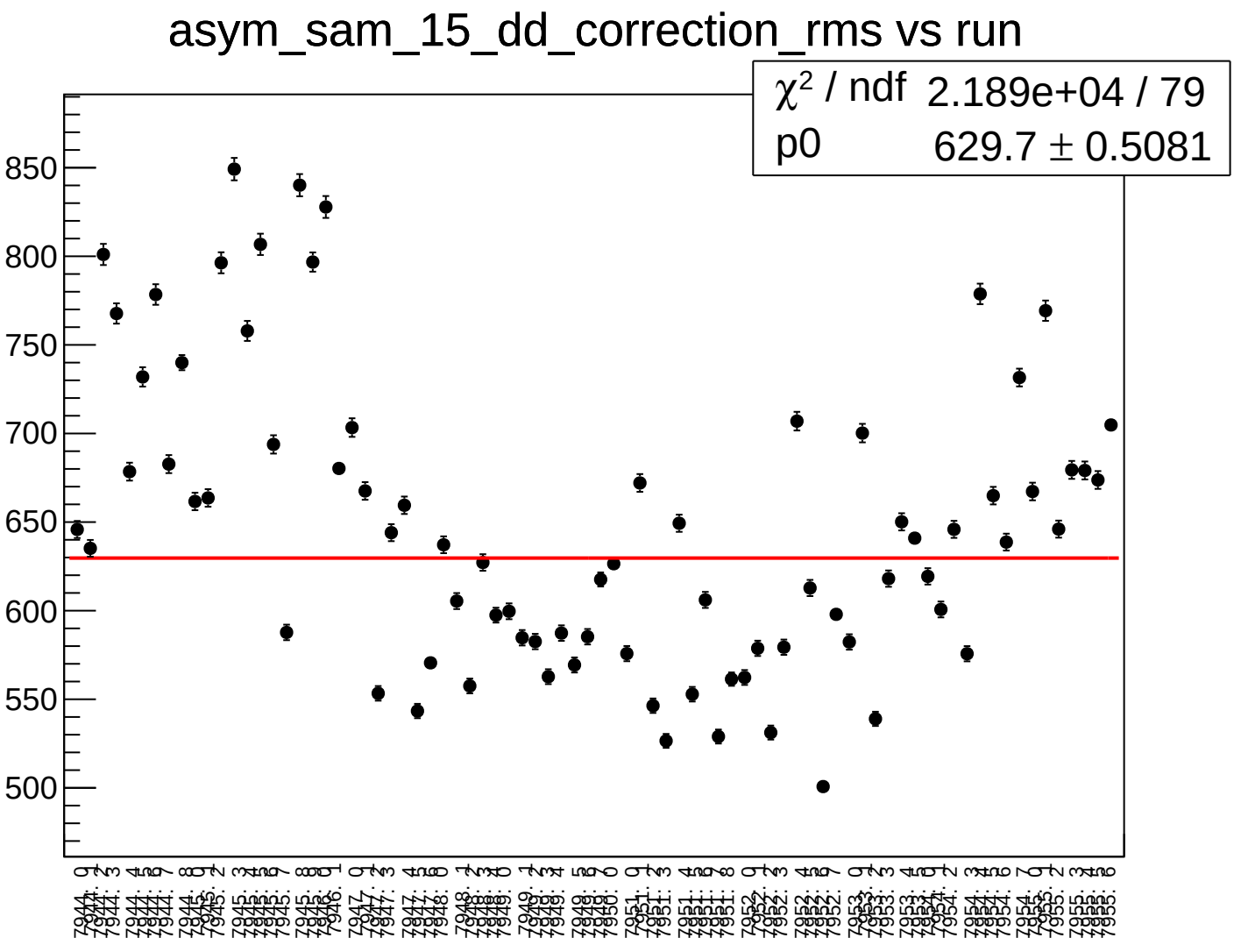

dit_asym_sam_15_dd_mean vs run
χ² / ndf 80.97 / 79
p0 −32.58 ± 108.7
pull
Entries 80
Mean 27.14
Std Dev 32.43

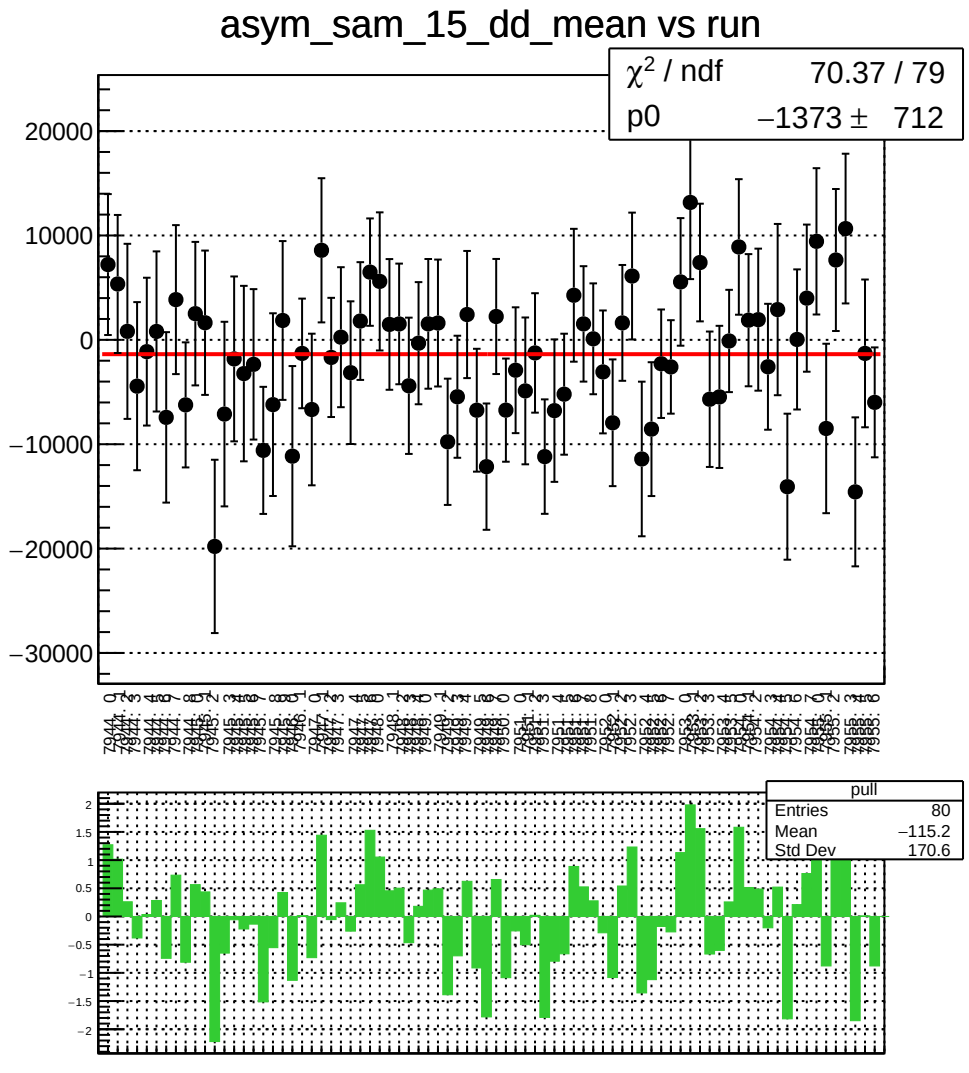

pull1D
Entries 80
Mean −0.0206
Std Dev 1.006

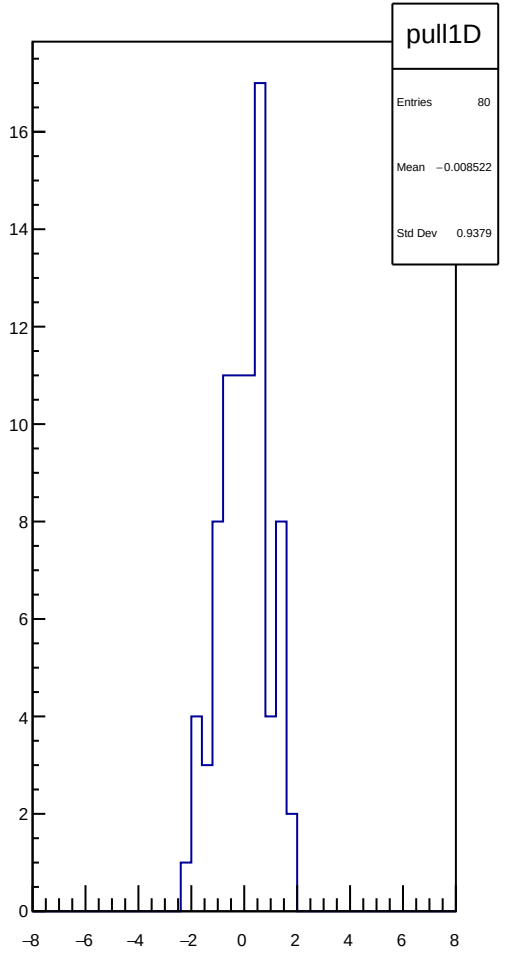

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 775.8 / 79
p0 95.94 ± 0.07688
106
104
102
100
98
96
94
92
90

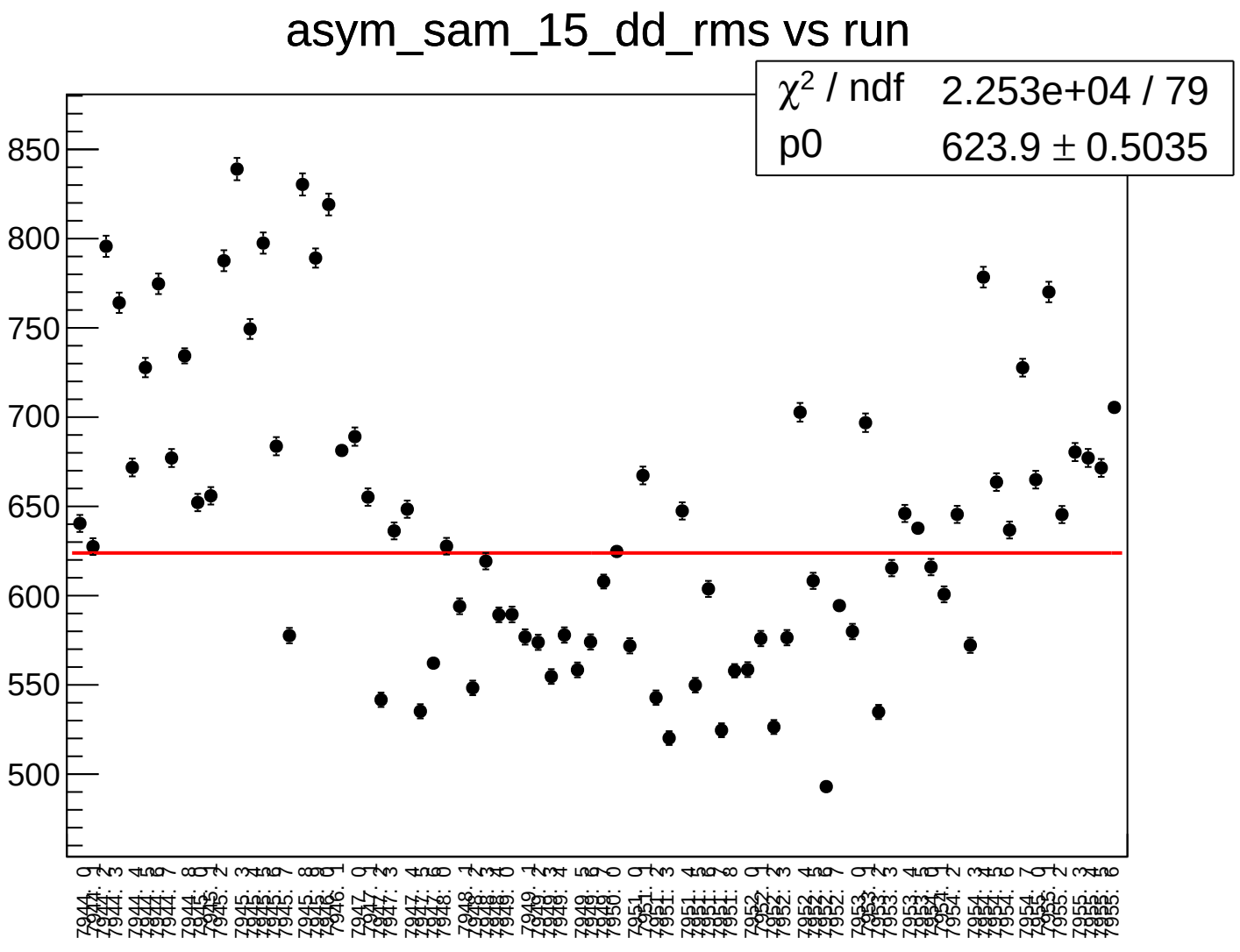

asym_sam_15_dd_correction_mean vs run
χ² / ndf 67.87 / 79
p0 1327 ± 718.5
pull
Entries 80
Mean −158.6
Std Dev 213

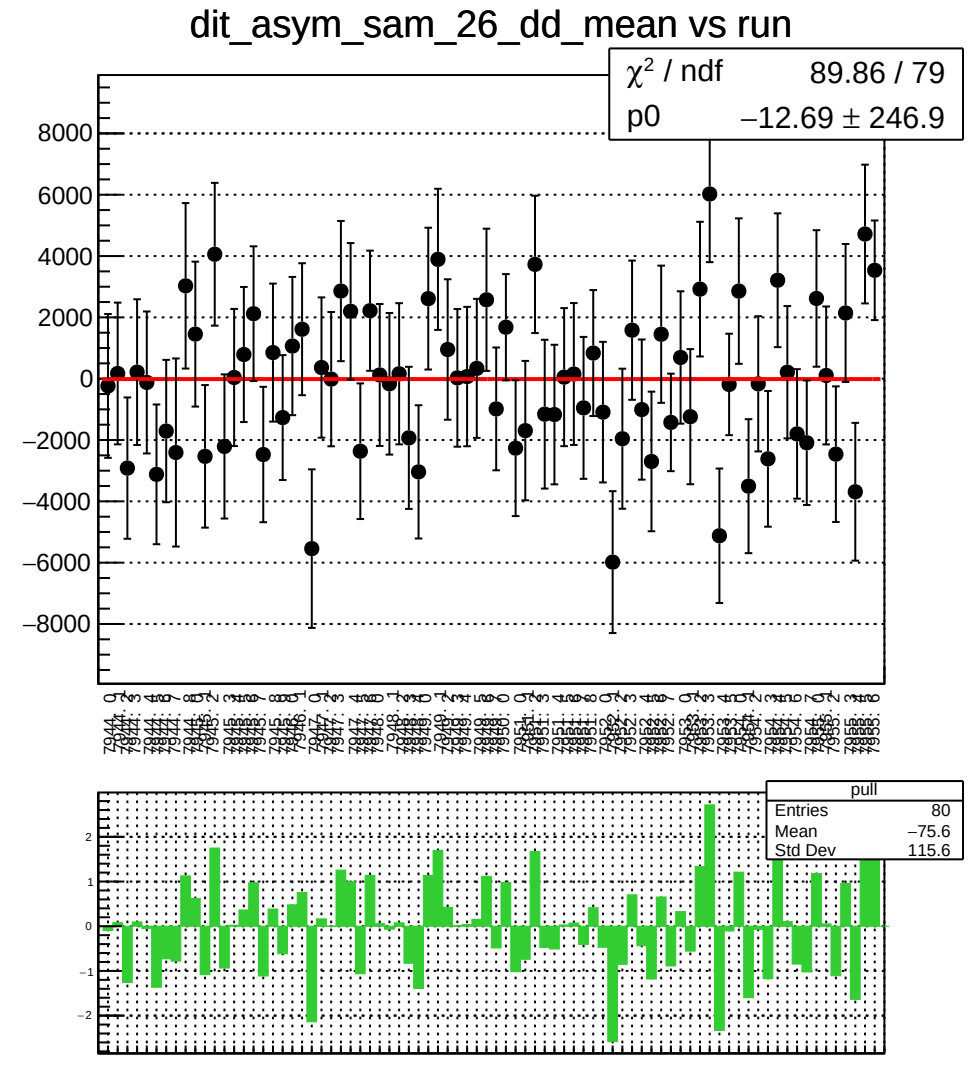

pull1D
Entries 80
Mean 0.006468
Std Dev 0.921

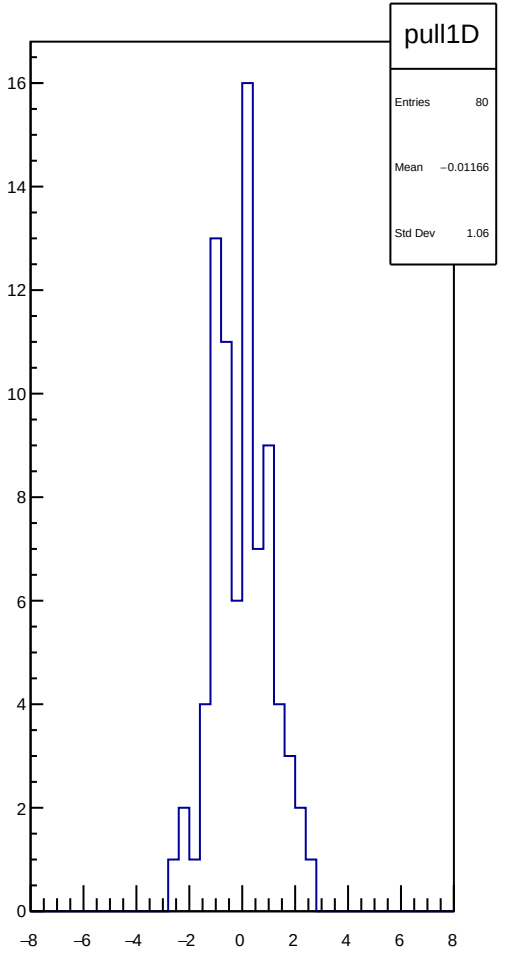

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2.189e+04 / 79
p0 629.7 ± 0.5081
850
800
750
700
650
600
550
500

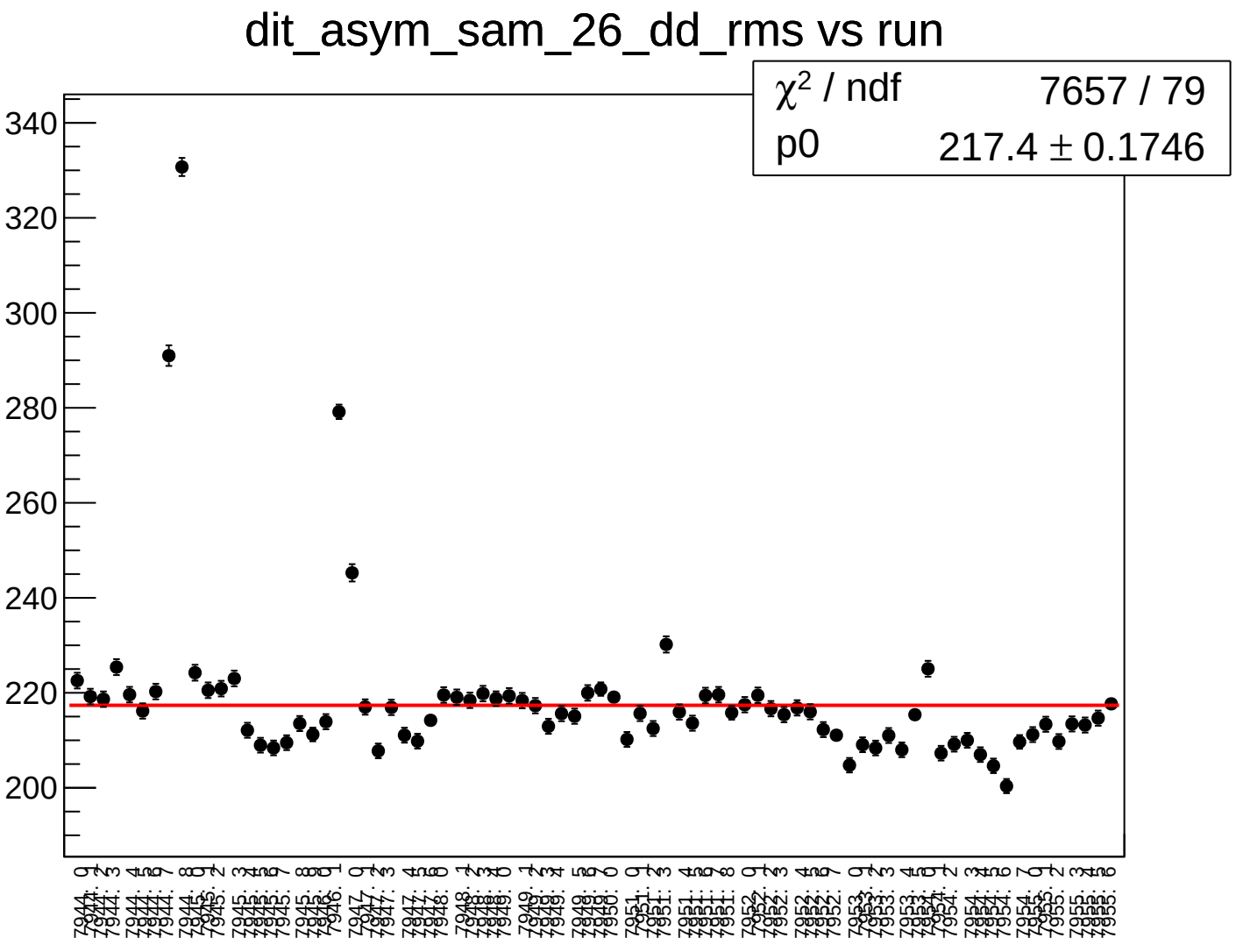

asym_sam_15_dd_mean vs run
χ² / ndf 70.37 / 79
p0 −1373 ± 712
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −115.2
Std Dev 170.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

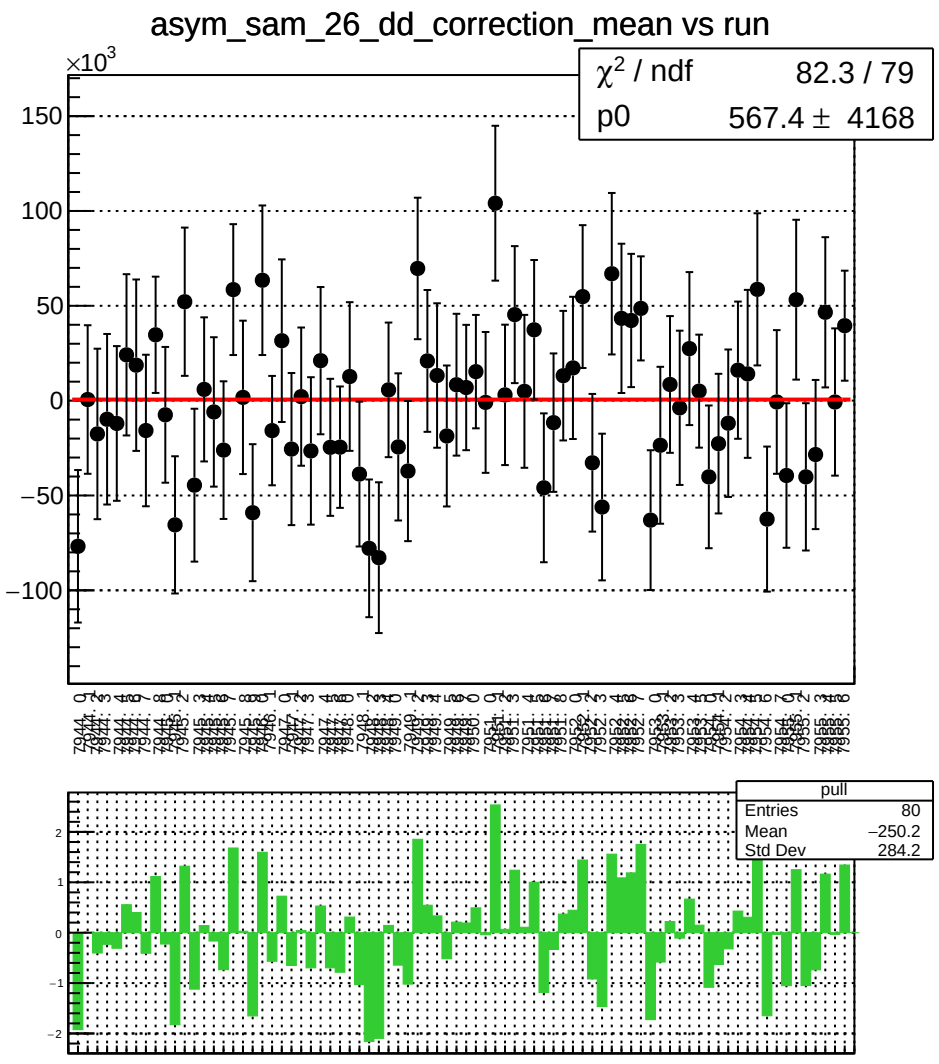

pull1D
Entries 80
Mean −0.008522
Std Dev 0.9379
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

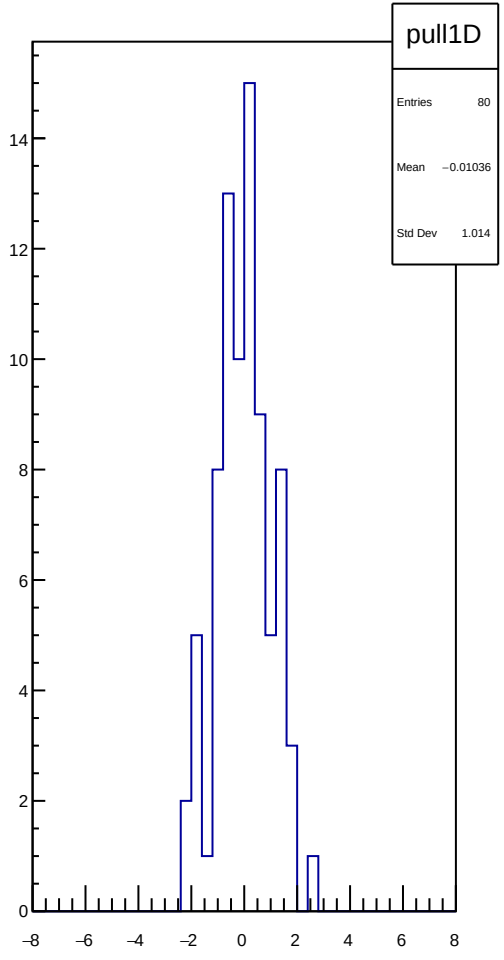

asym_sam_15_dd_rms vs run
χ² / ndf 2.253e+04 / 79
p0 623.9 ± 0.5035
850
800
750
700
650
600
550
500

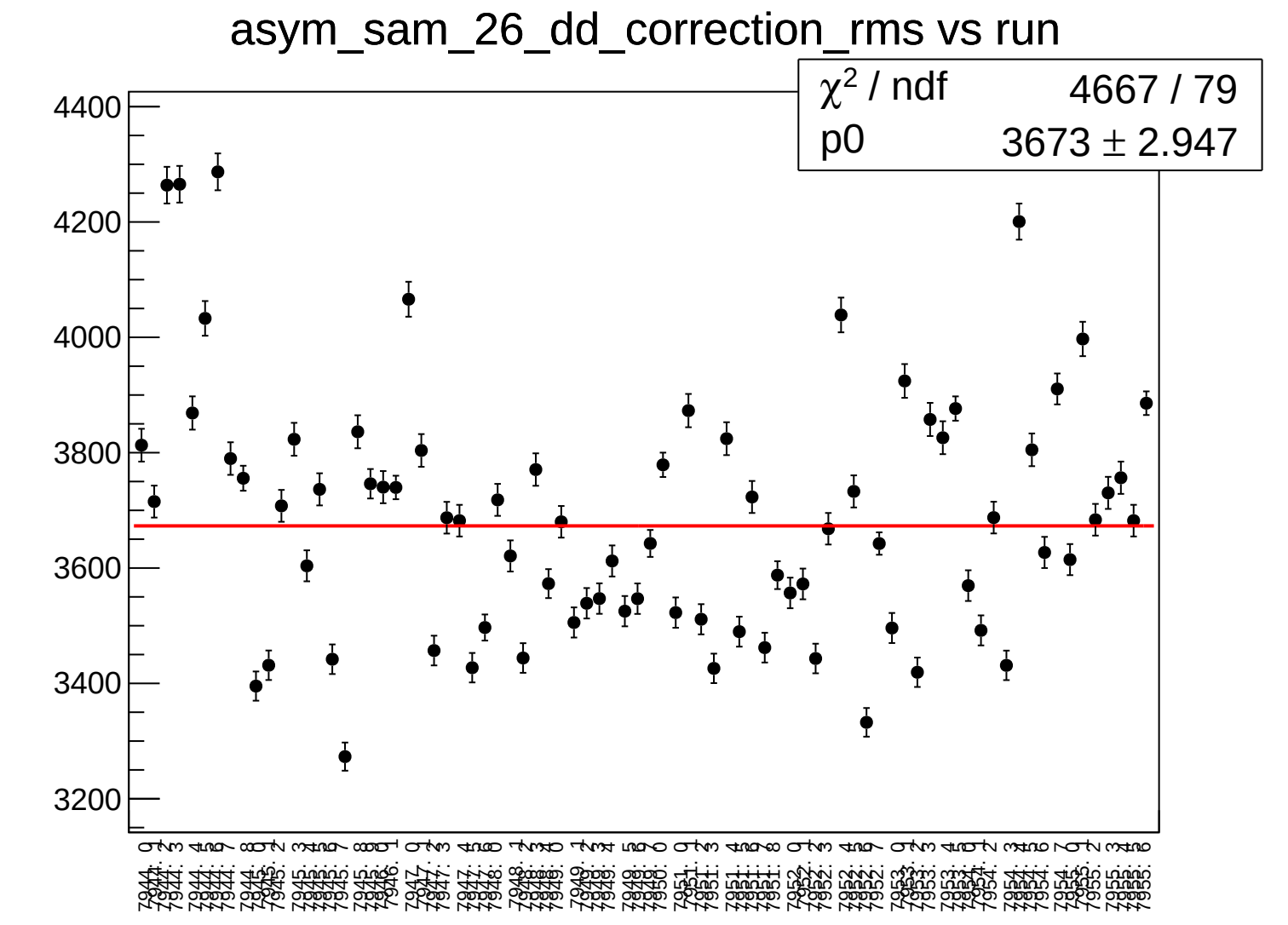

dit_asym_sam_26_dd_mean vs run
χ² / ndf 89.86 / 79
p0 −12.69 ± 246.9
pull
Entries 80
Mean −75.6
Std Dev 115.6

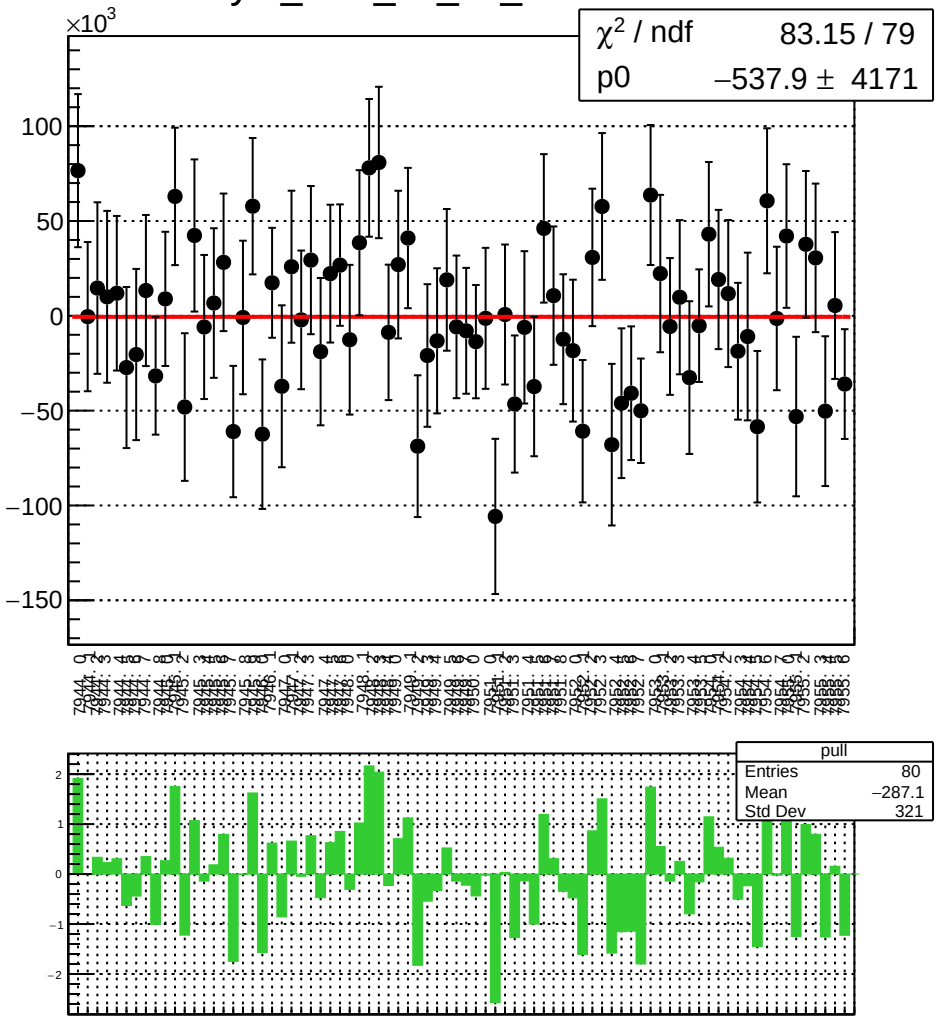

pull1D
Entries 80
Mean −0.01166
Std Dev 1.06

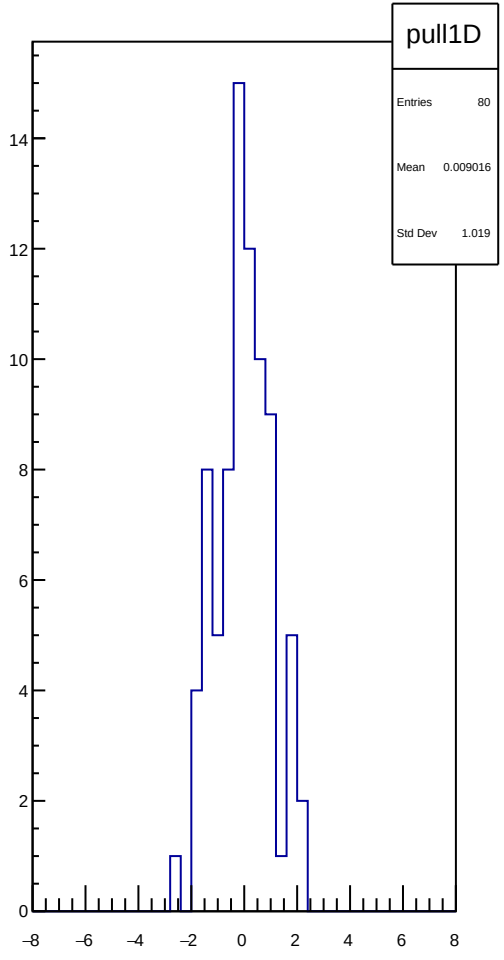

dit_asym_sam_26_dd_rms vs run
χ² / ndf 7657 / 79
p0 217.4 ± 0.1746
340
320
300
280
260
240
220
200

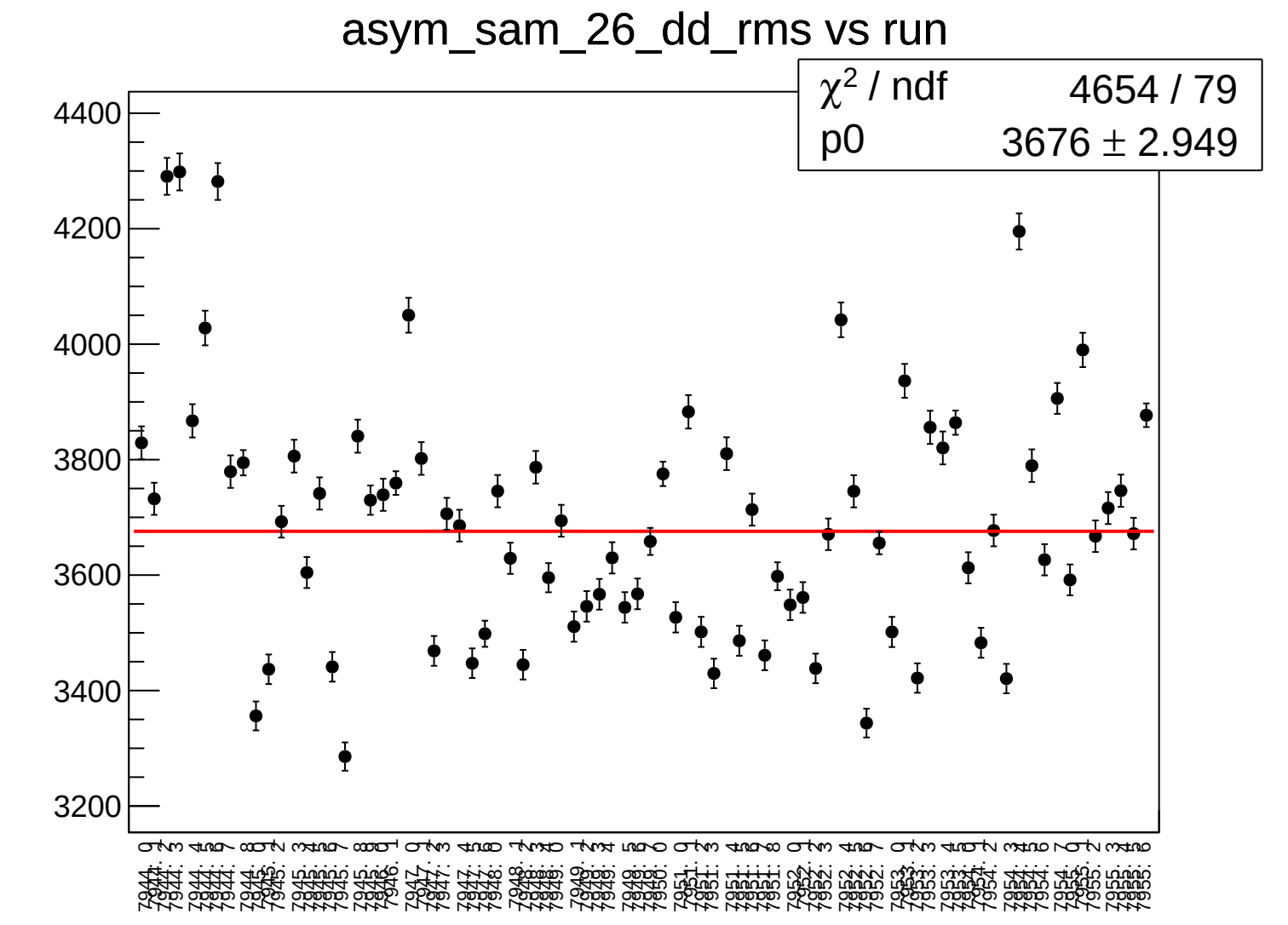

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 82.3 / 79
p0 567.4 ± 4168
150
100
50
0
−50
−100
pull
Entries 80
Mean −250.2
Std Dev 284.2
2
1
0
−1
−2

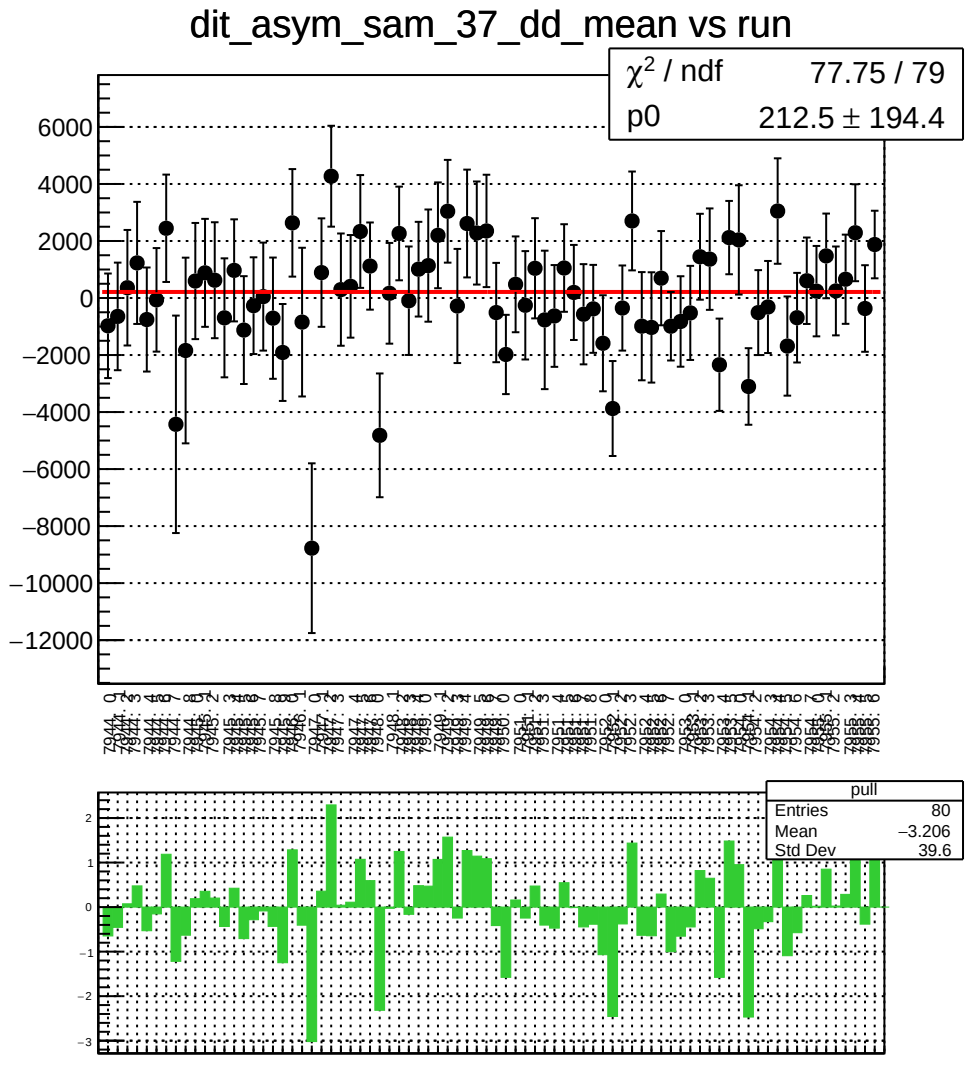

pull1D
Entries 80
Mean −0.01036
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

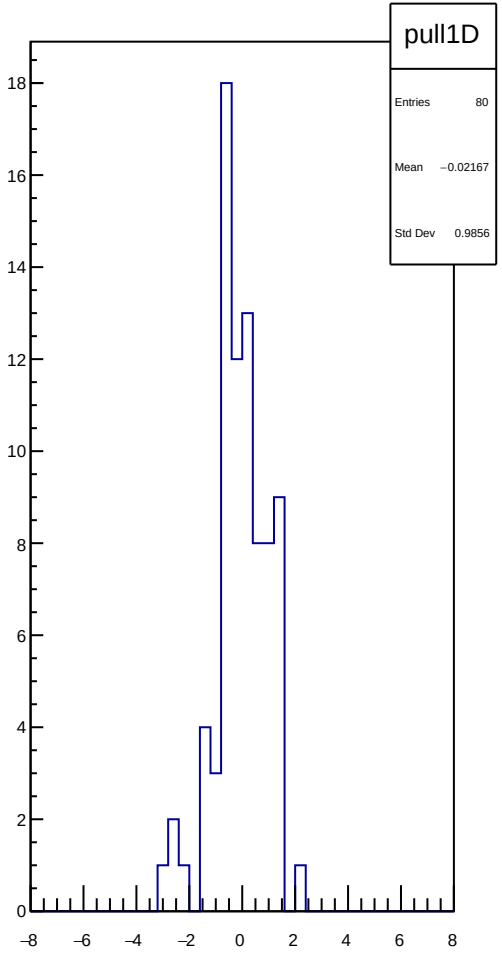

asym_sam_26_dd_correction_rms vs run
χ² / ndf 4667 / 79
p0 3673 ± 2.947
4400
4200
4000
3800
3600
3400
3200

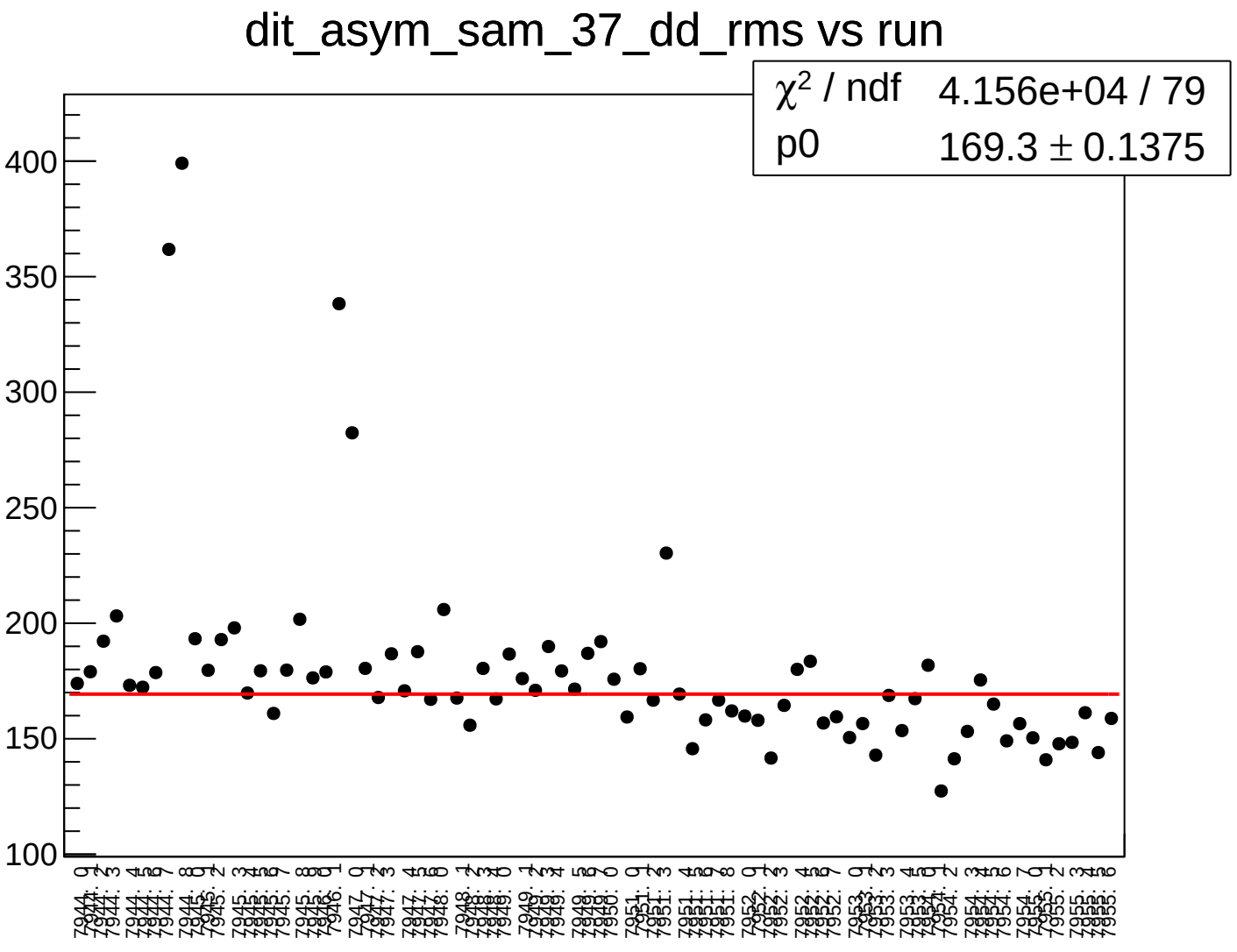

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 83.15 / 79
p0 −537.9 ± 4171
100
50
0
−50
−100
−150
pull
Entries 80
Mean −287.1
Std Dev 321
2
1
0
−1
−2

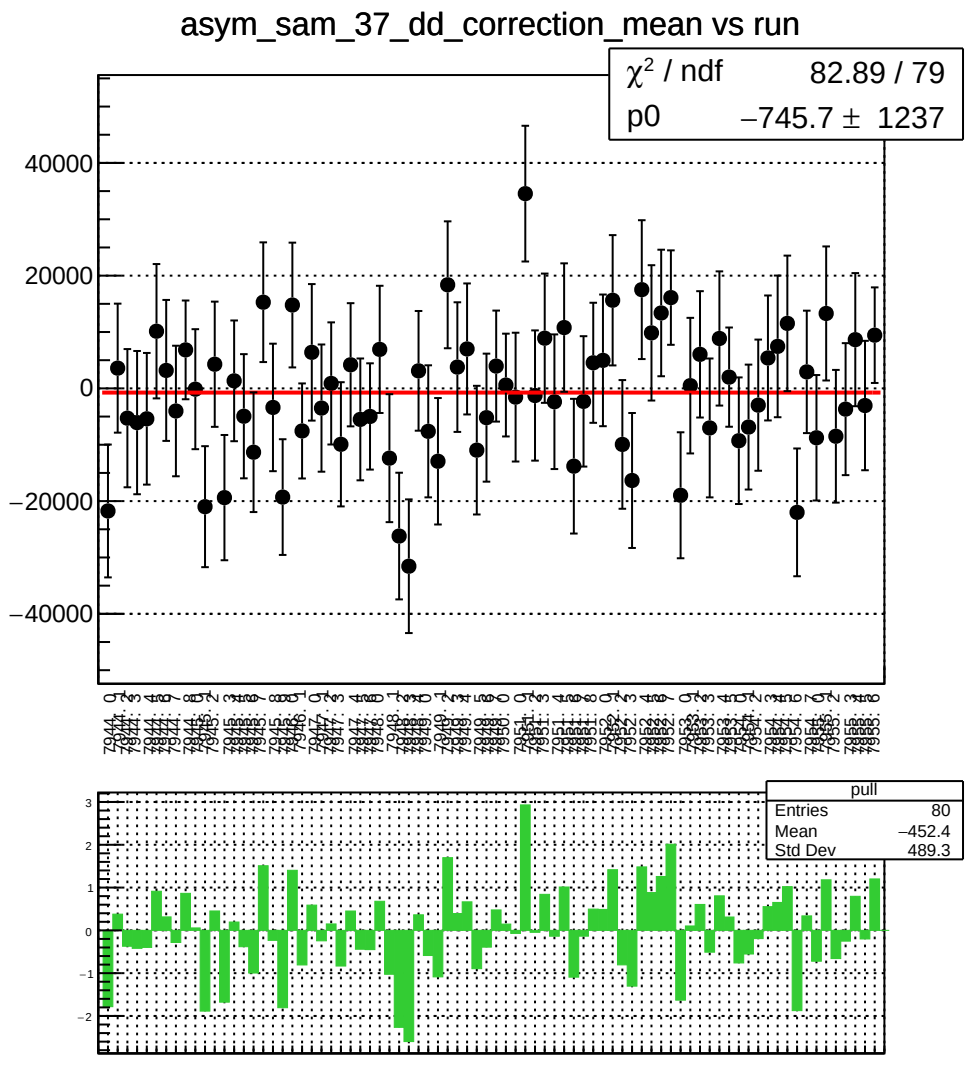

pull1D
Entries 80
Mean 0.009016
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

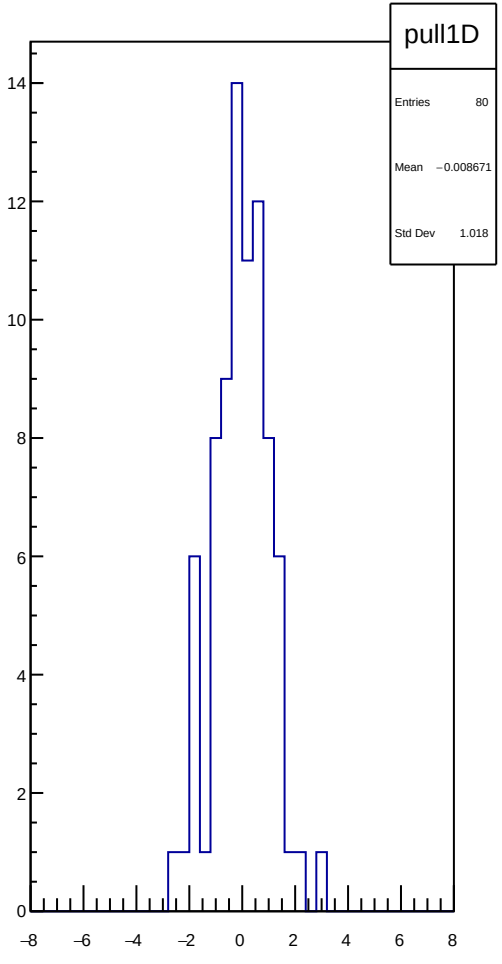

asym_sam_26_dd_rms vs run
χ^2 / ndf 4654 / 79
p0 3676 ± 2.949
4400
4200
4000
3800
3600
3400
3200

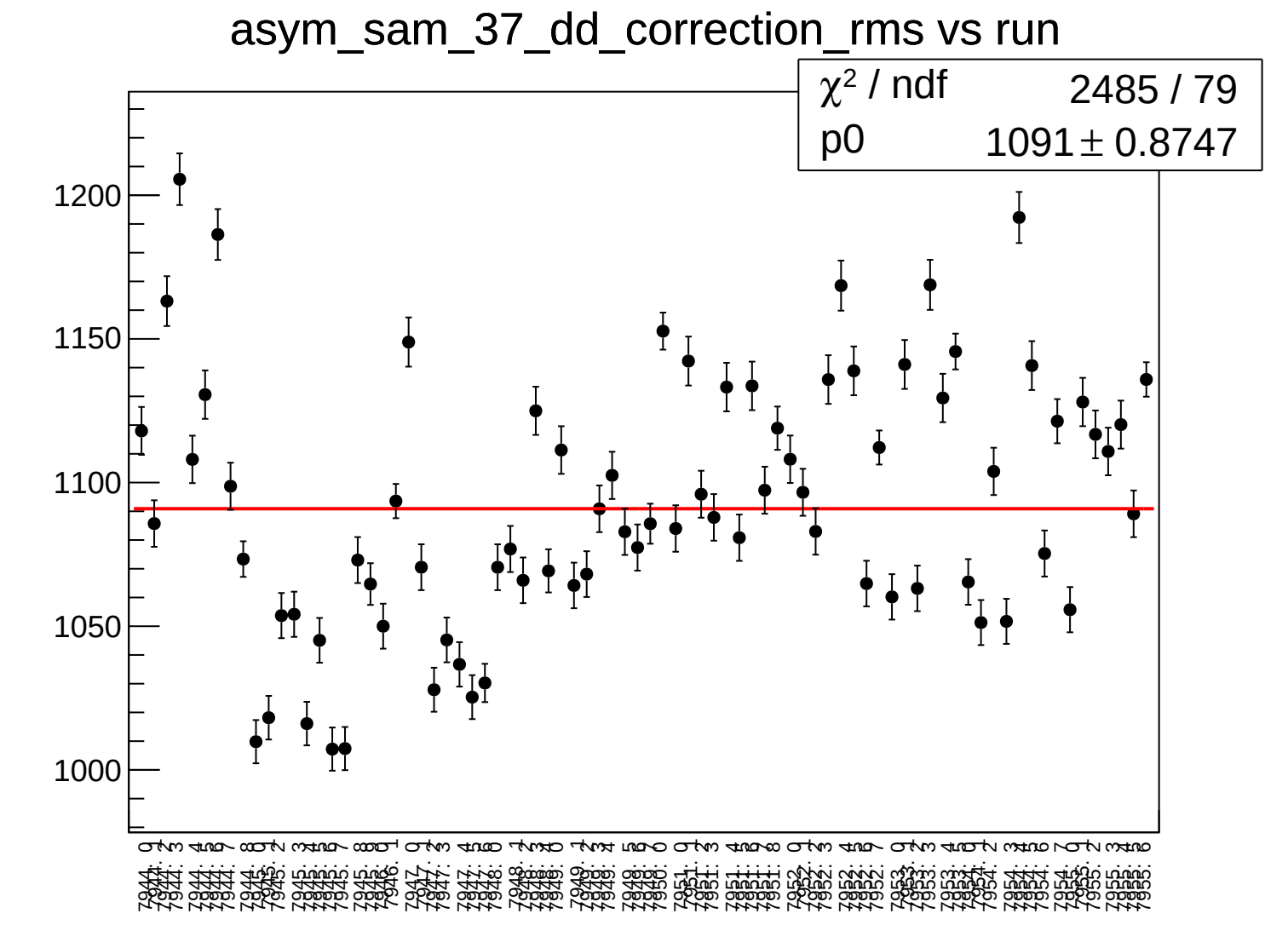

dit_asym_sam_37_dd_mean vs run
χ² / ndf 77.75 / 79
p0 212.5 ± 194.4
pull
Entries 80
Mean −3.206
Std Dev 39.6

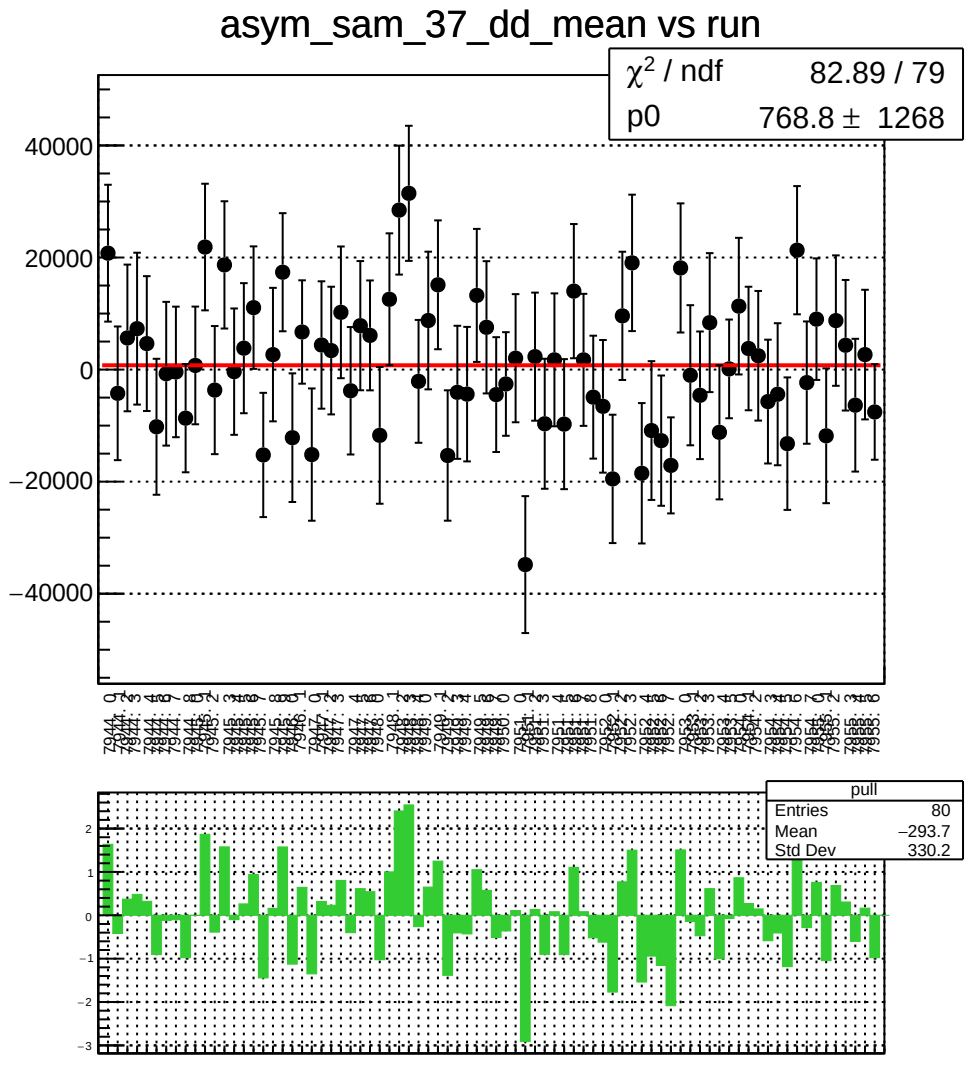

pull1D
Entries 80
Mean −0.02167
Std Dev 0.9856

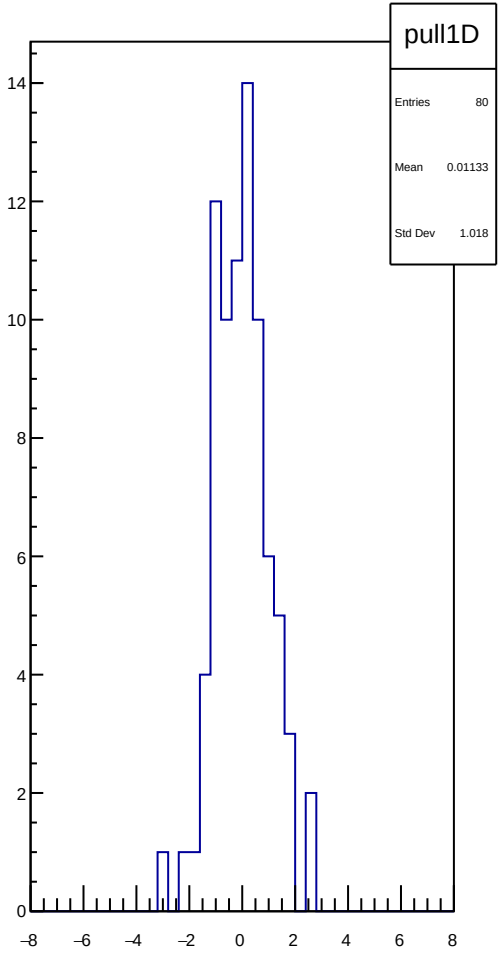

dit_asym_sam_37_dd_rms vs run
χ² / ndf 4.156e+04 / 79
p0 169.3 ± 0.1375
400
350
300
250
200
150
100

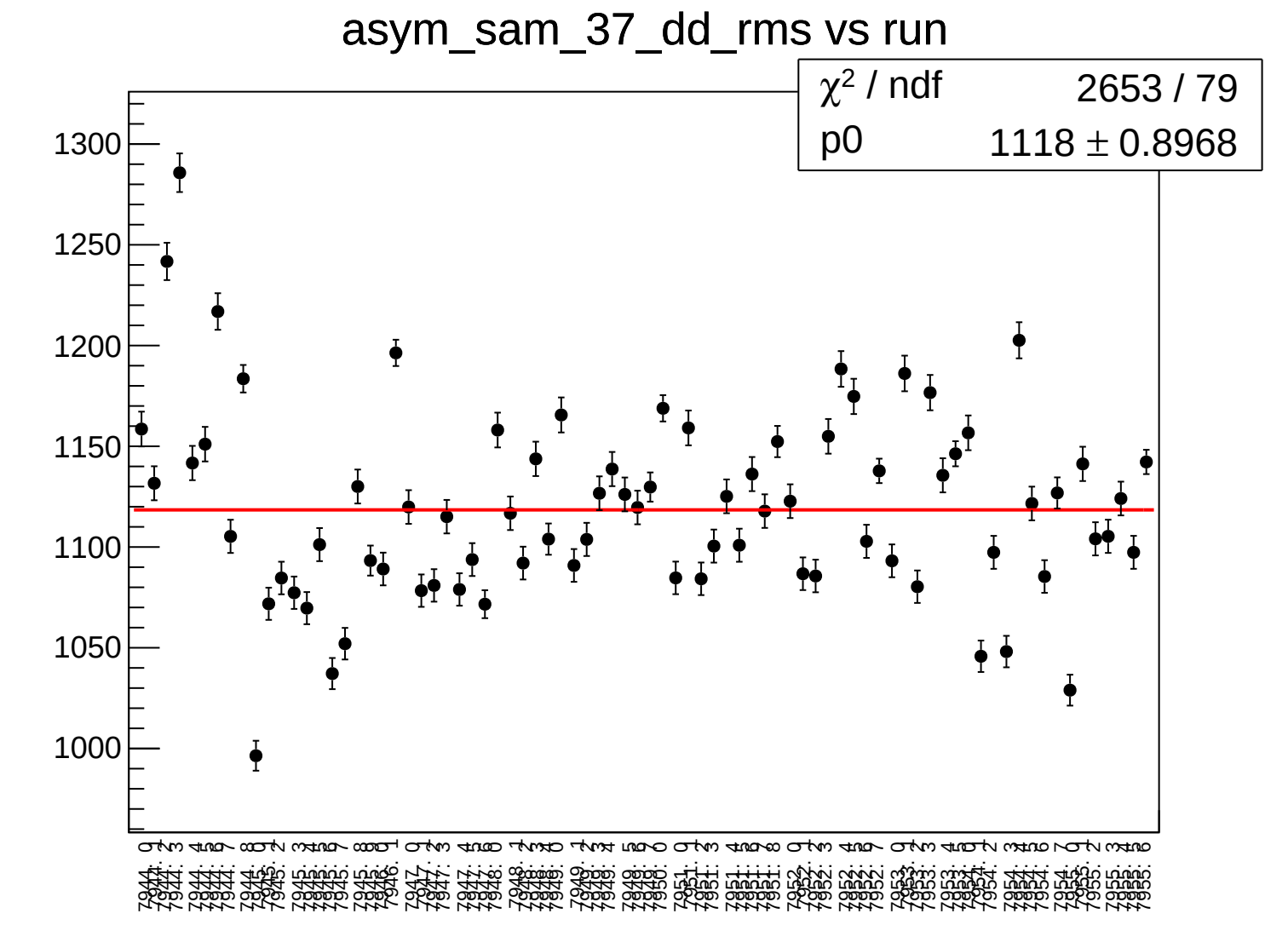

asym_sam_37_dd_correction_mean vs run
χ² / ndf 82.89 / 79
p0 −745.7 ± 1237
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −452.4
Std Dev 489.3
3
2
1
0
−1
−2

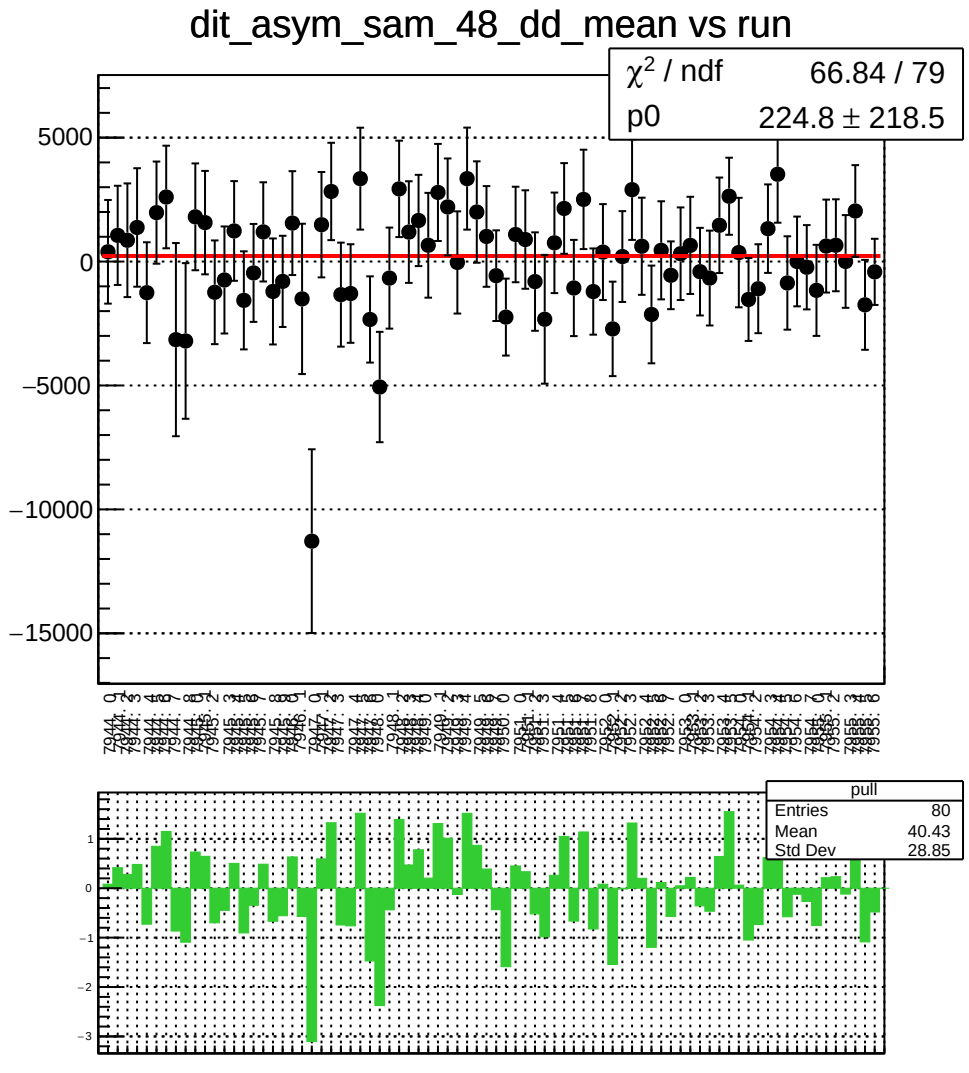

pull1D
Entries 80
Mean −0.008671
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

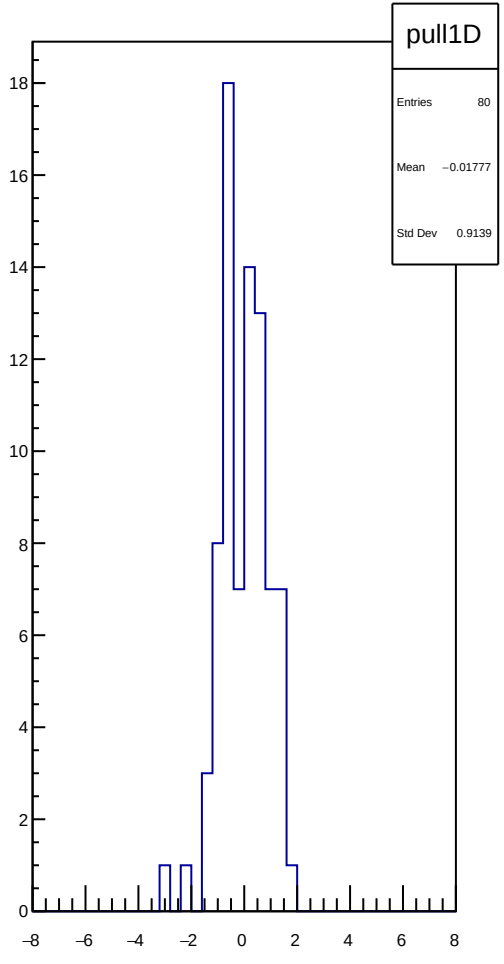

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2485 / 79
p0 1091 ± 0.8747
1200
1150
1100
1050
1000

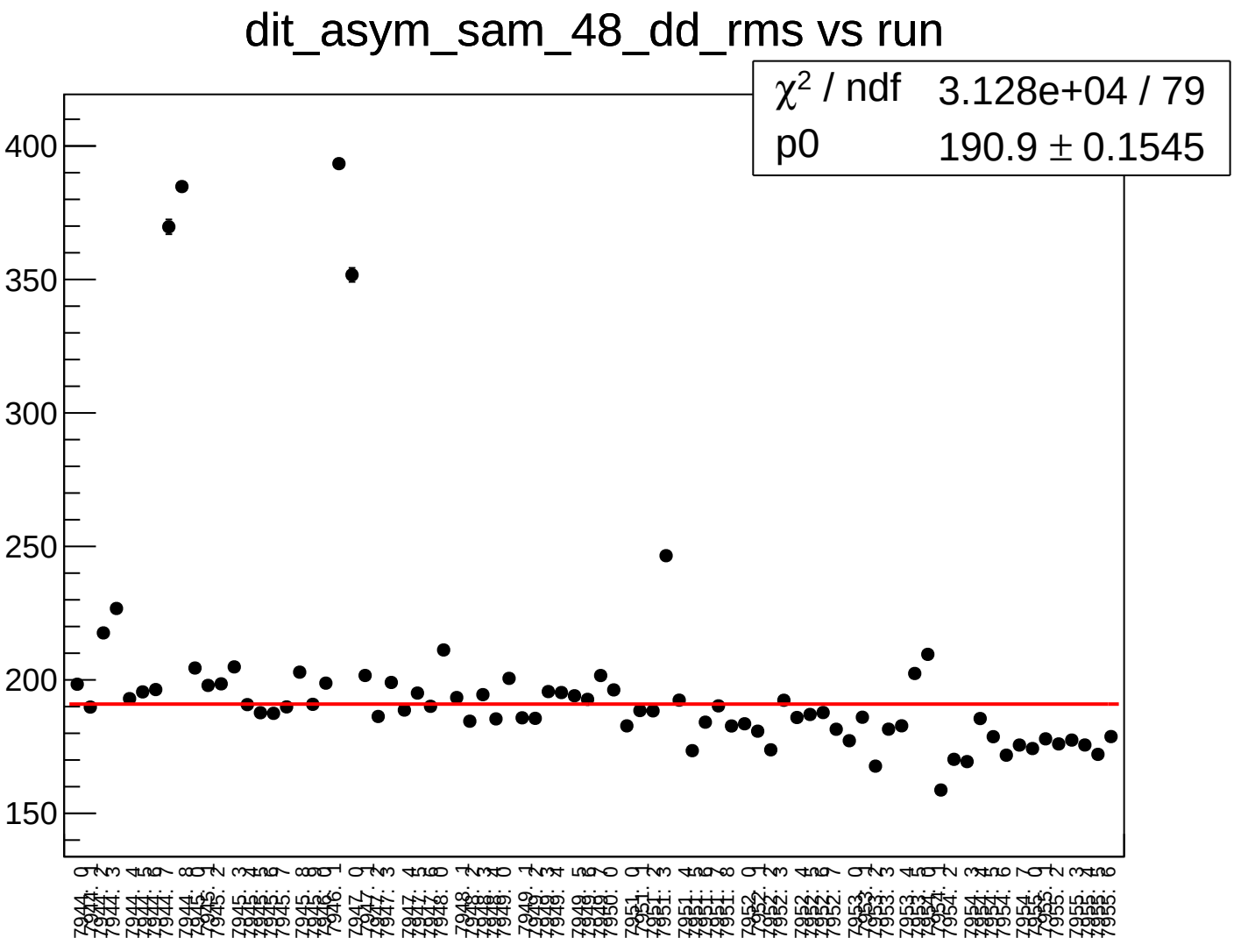

asym_sam_37_dd_mean vs run
χ² / ndf 82.89 / 79
p0 768.8 ± 1268
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −293.7
Std Dev 330.2
2
1
0
−1
−2
−3

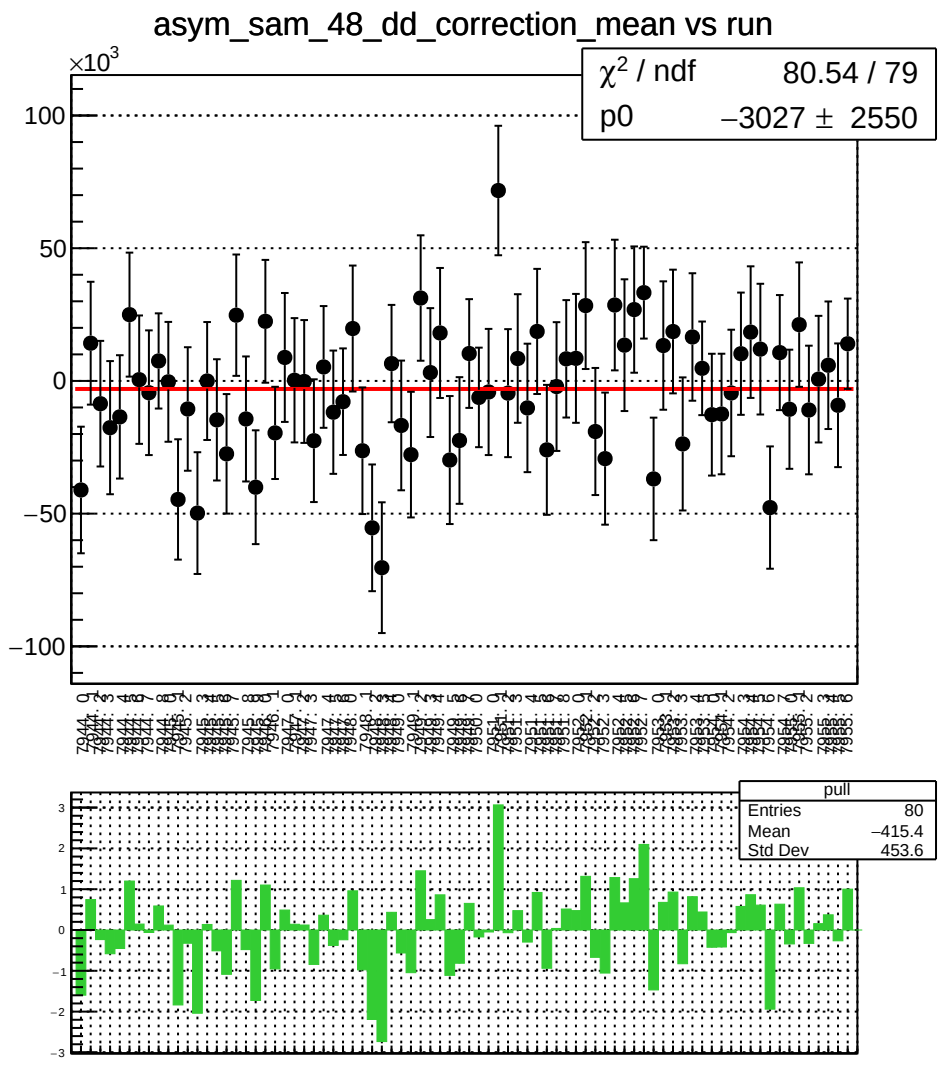

pull1D
Entries 80
Mean 0.01133
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

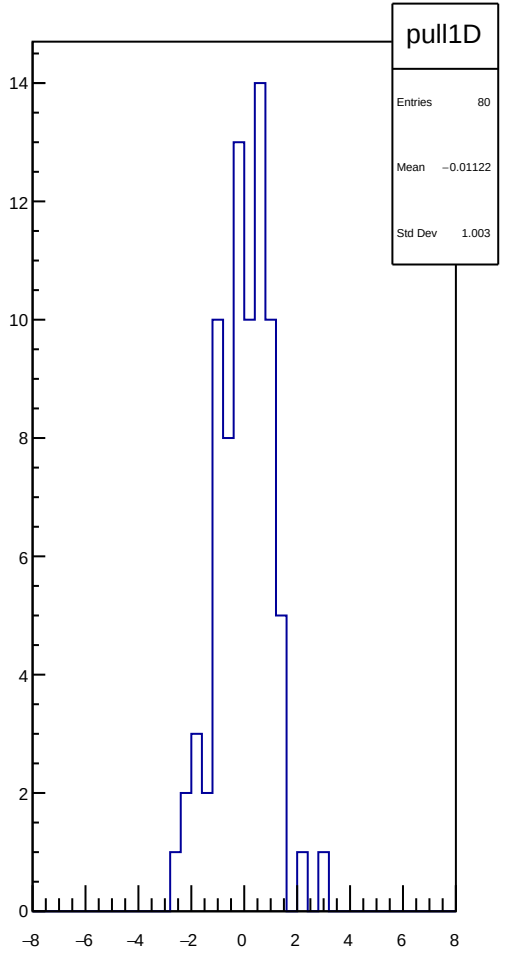

asym_sam_37_dd_rms vs run
χ² / ndf 2653 / 79
p0 1118 ± 0.8968
1300
1250
1200
1150
1100
1050
1000

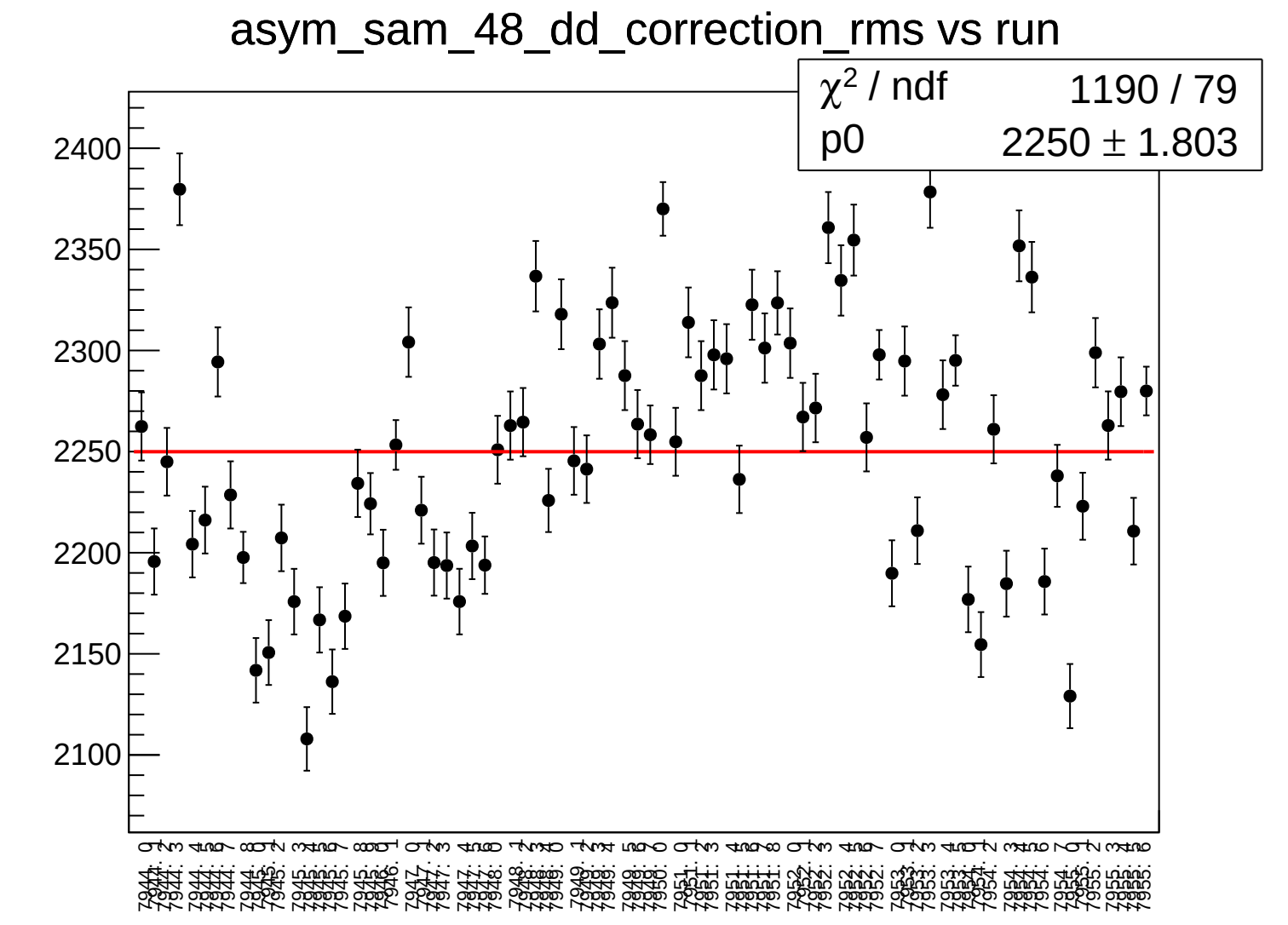

dit_asym_sam_48_dd_mean vs run
χ² / ndf 66.84 / 79
p0 224.8 ± 218.5
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 40.43
Std Dev 28.85
1
0
−1
−2
−3

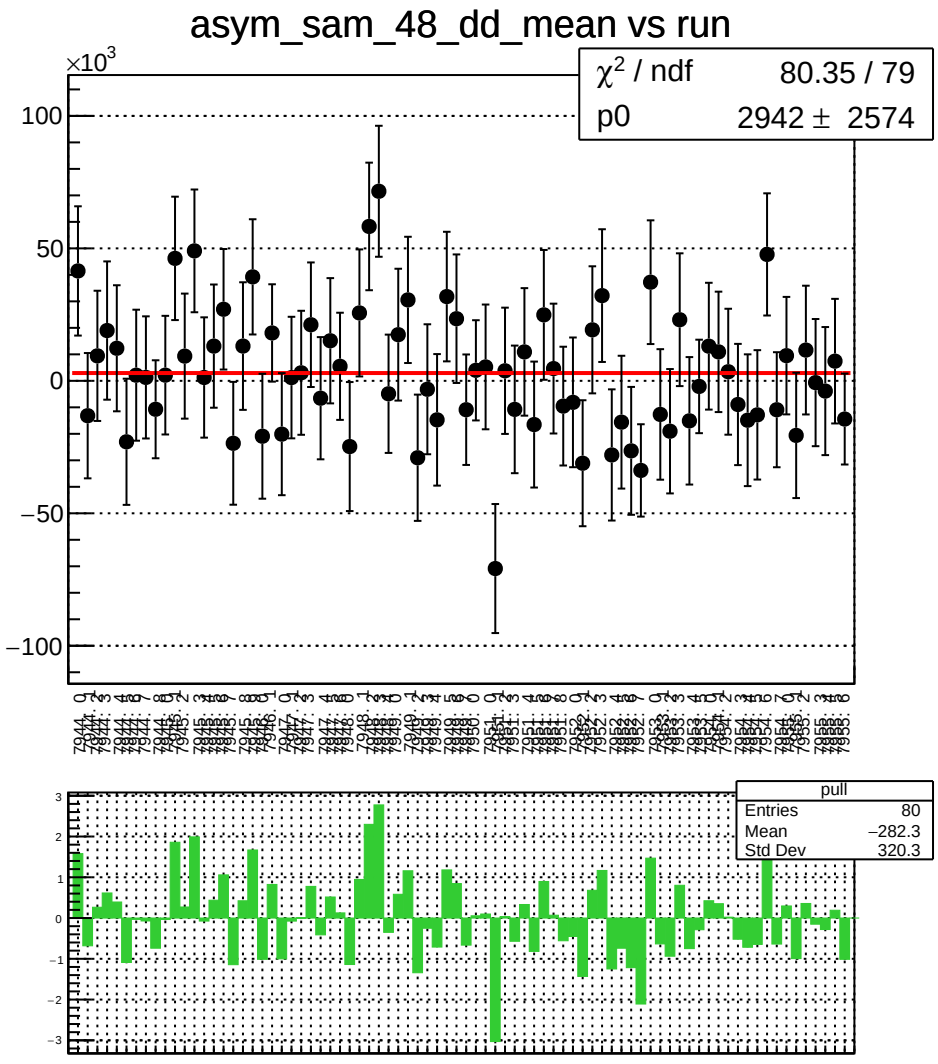

pull1D
Entries 80
Mean −0.01777
Std Dev 0.9139
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

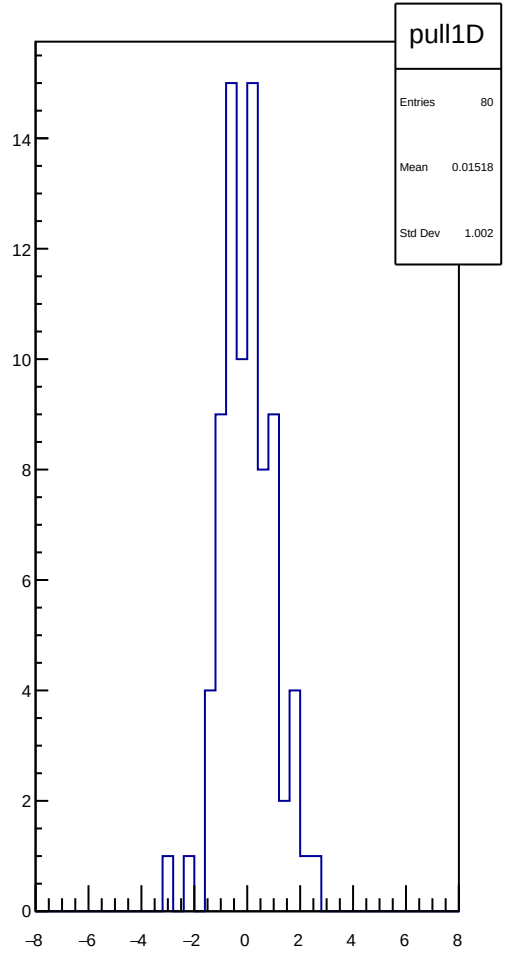

dit_asym_sam_48_dd_rms vs run
χ² / ndf 3.128e+04 / 79
p0 190.9 ± 0.1545
400
350
300
250
200
150

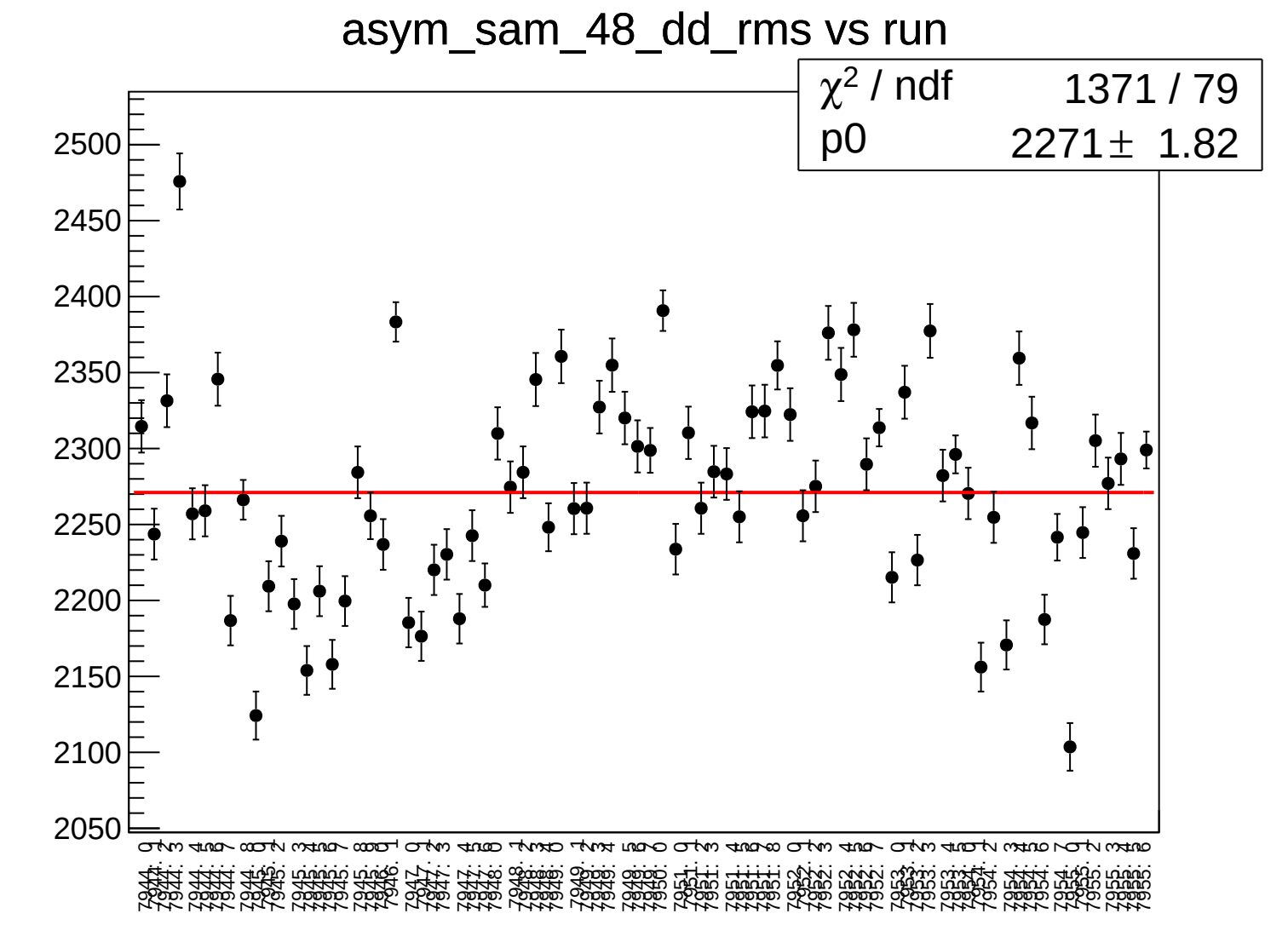

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 80.54 / 79
p0 −3027 ± 2550
100
50
0
−50
−100
pull
Entries 80
Mean −415.4
Std Dev 453.6
3
2
1
0
−1
−2
−3

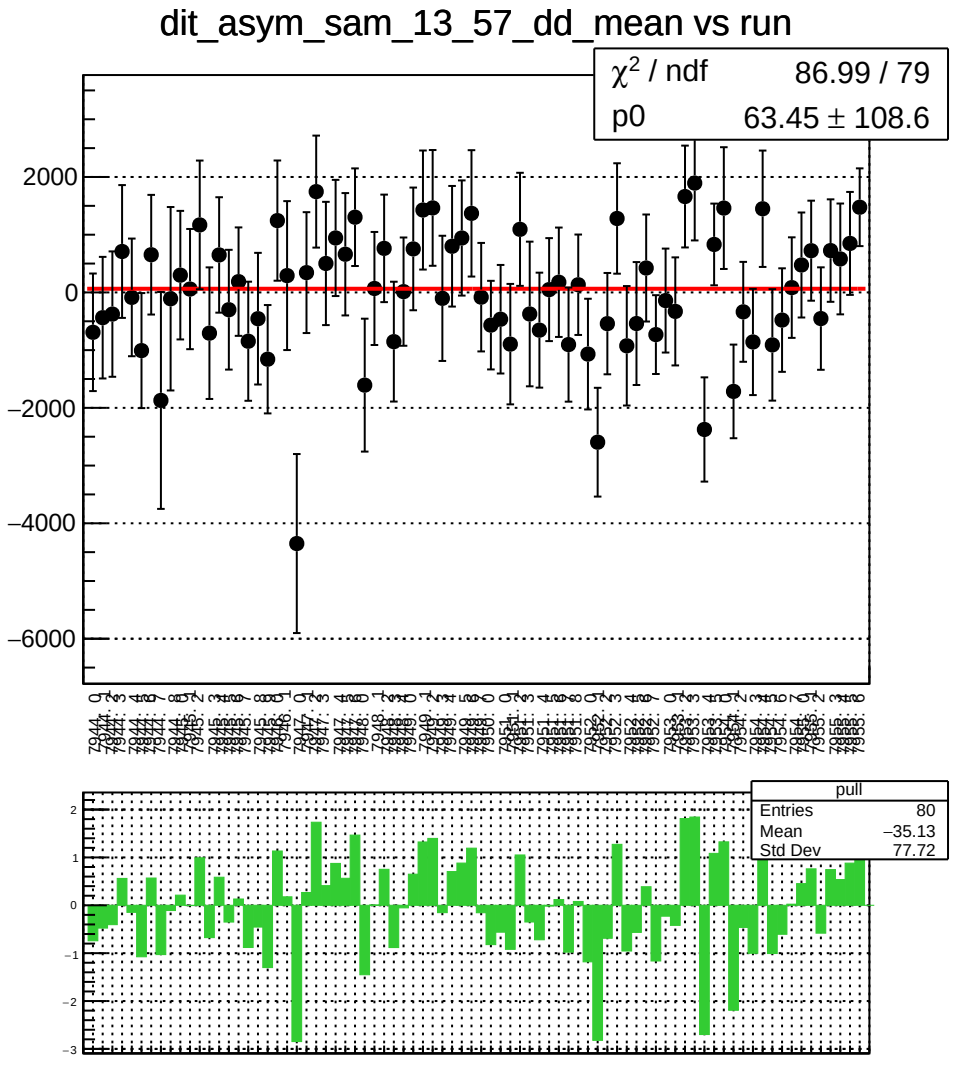

pull1D
Entries 80
Mean −0.01122
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

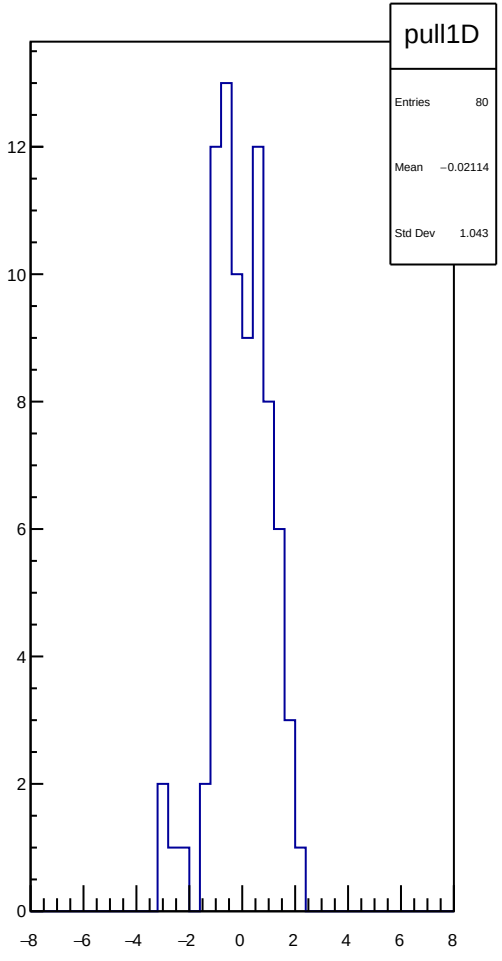

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1190 / 79
p0 2250 ± 1.803
2400
2350
2300
2250
2200
2150
2100

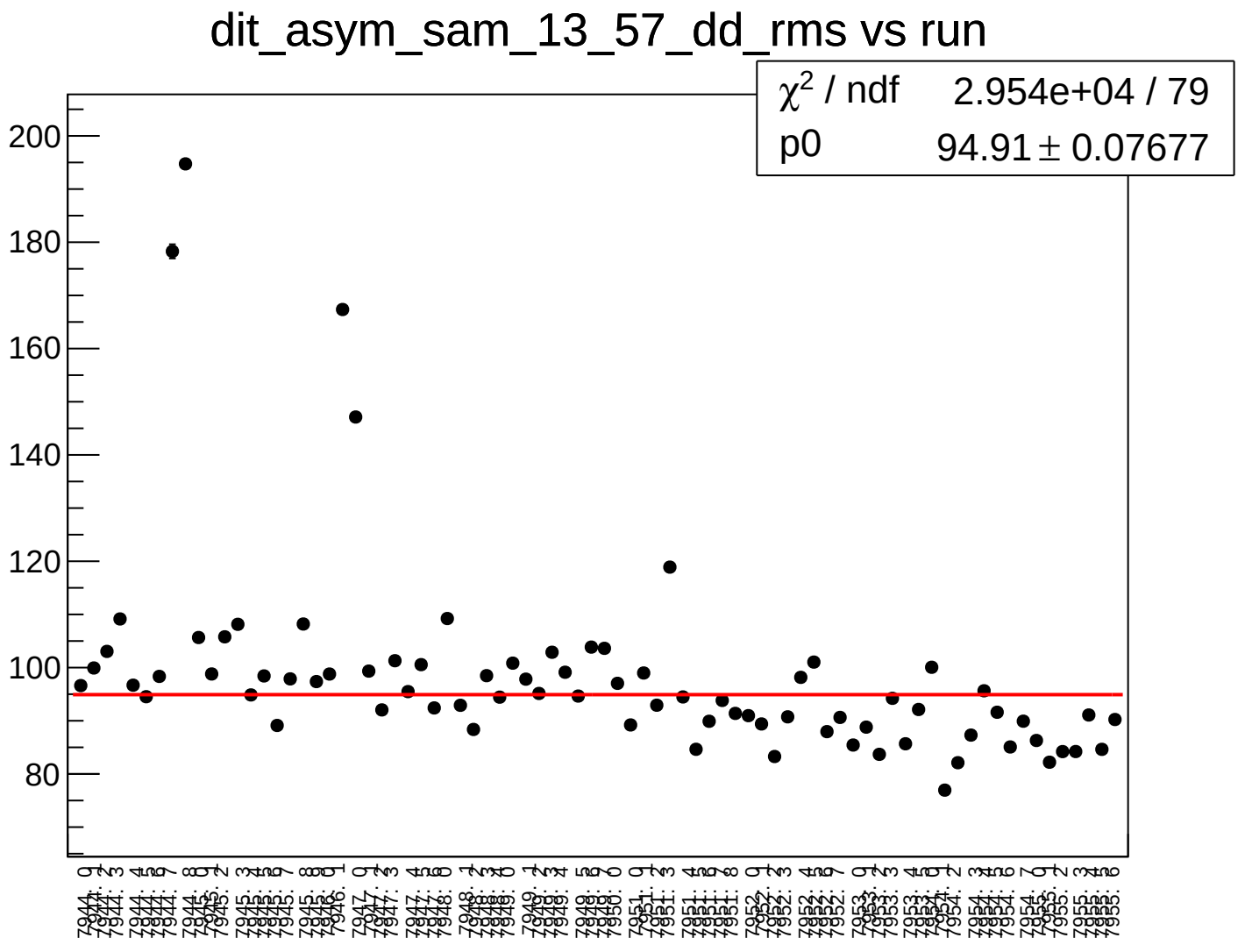

asym_sam_48_dd_mean vs run
×10^3
χ^2 / ndf 80.35 / 79
p0 2942 ± 2574
100
50
0
−50
−100
pull
Entries 80
Mean −282.3
Std Dev 320.3
3
2
1
0
−1
−2
−3

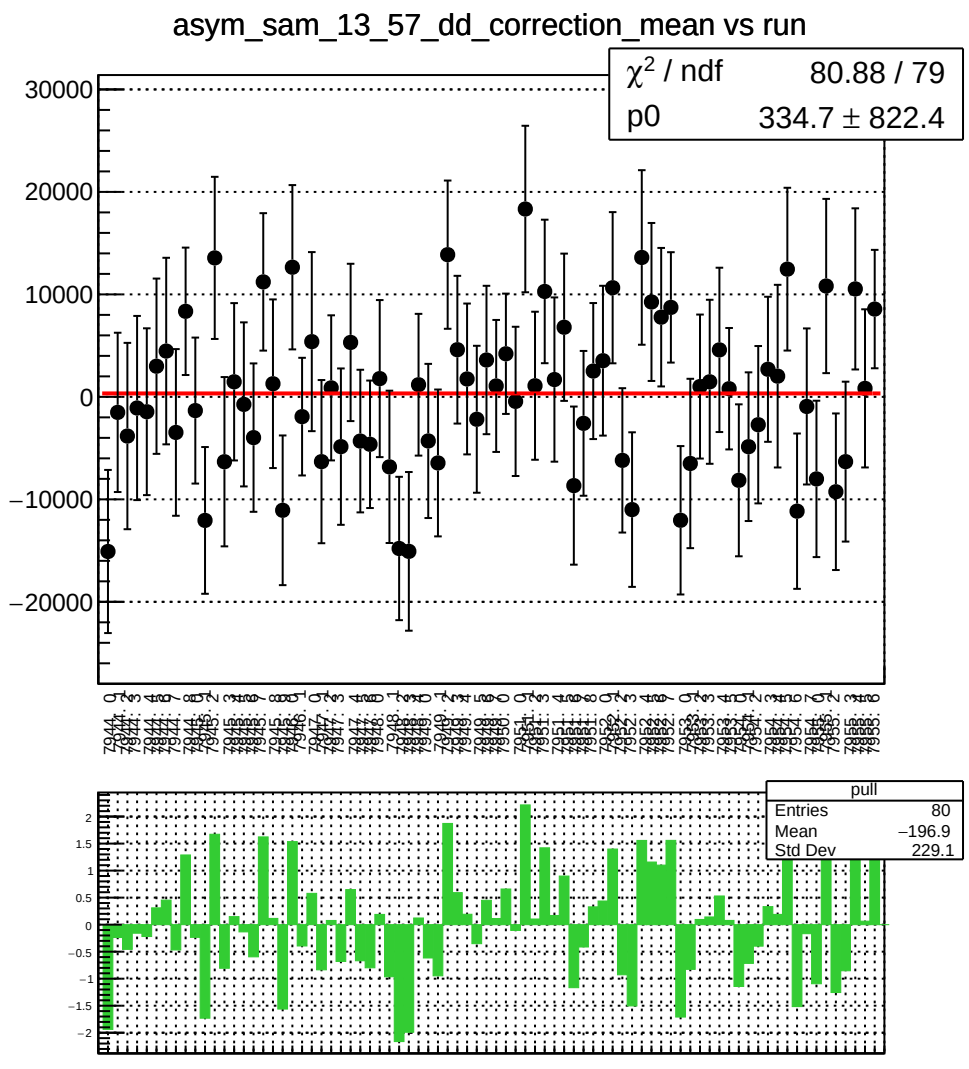

pull1D
Entries 80
Mean 0.01518
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

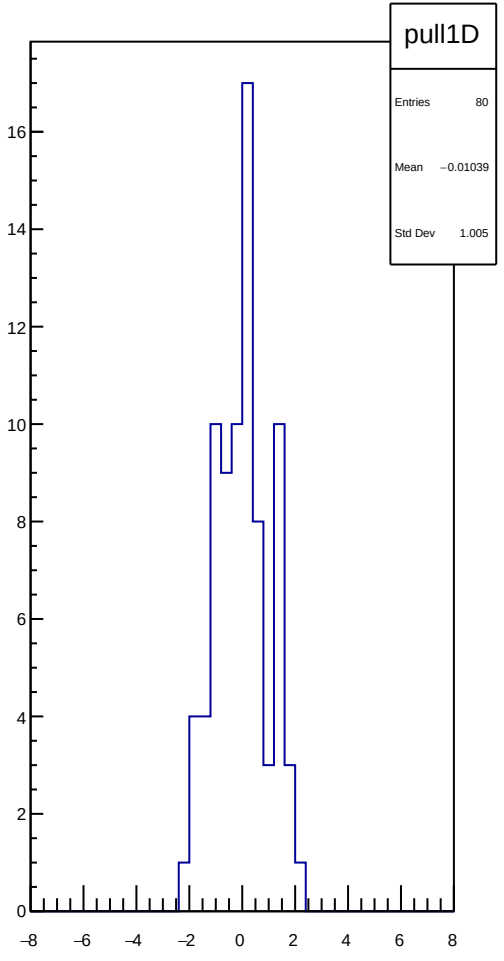

asym_sam_48_dd_rms vs run
χ² / ndf 1371 / 79
p0 2271 ± 1.82
2500
2450
2400
2350
2300
2250
2200
2150
2100
2050

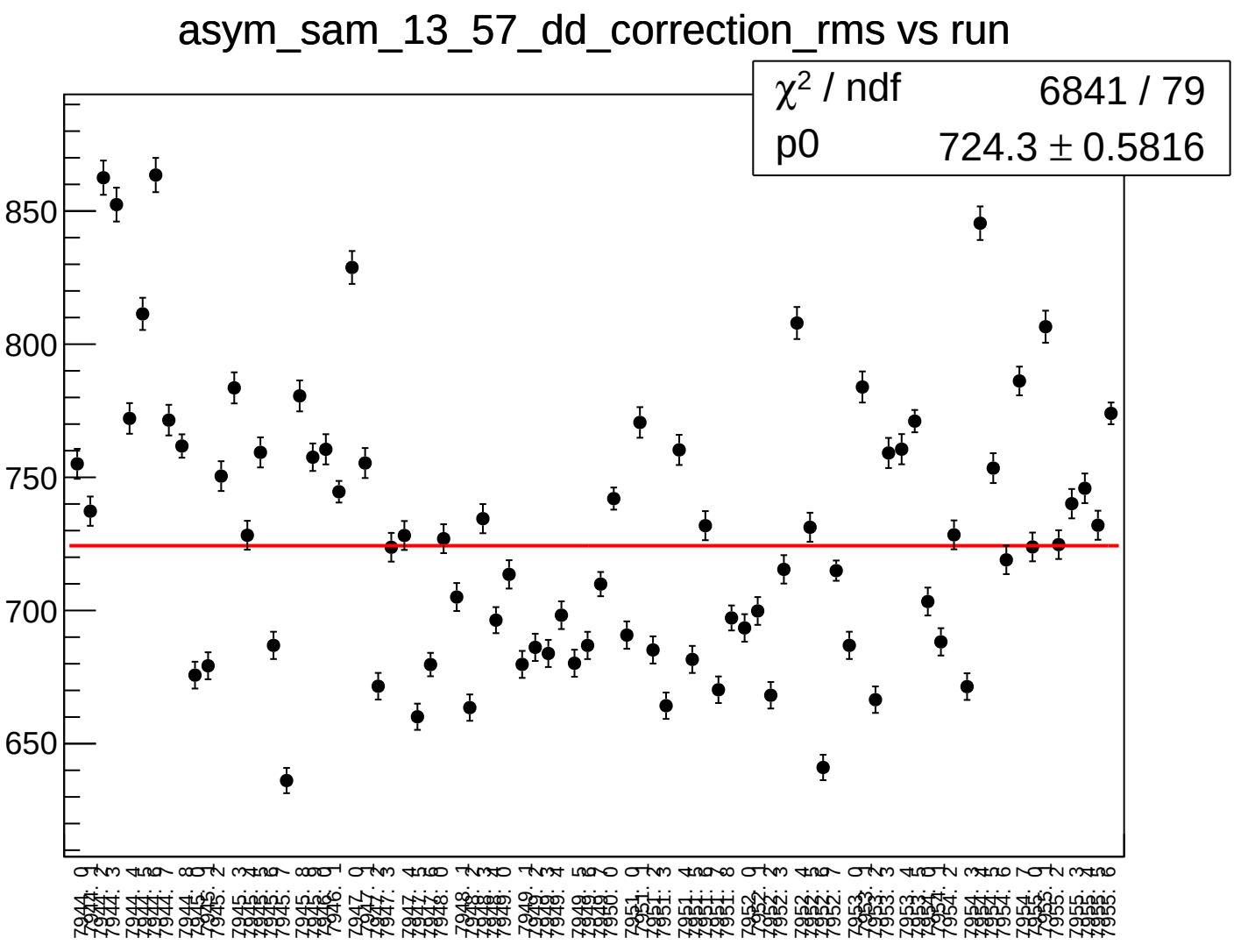

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 86.99 / 79
p0 63.45 ± 108.6
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean −35.13
Std Dev 77.72
2
1
0
−1
−2
−3

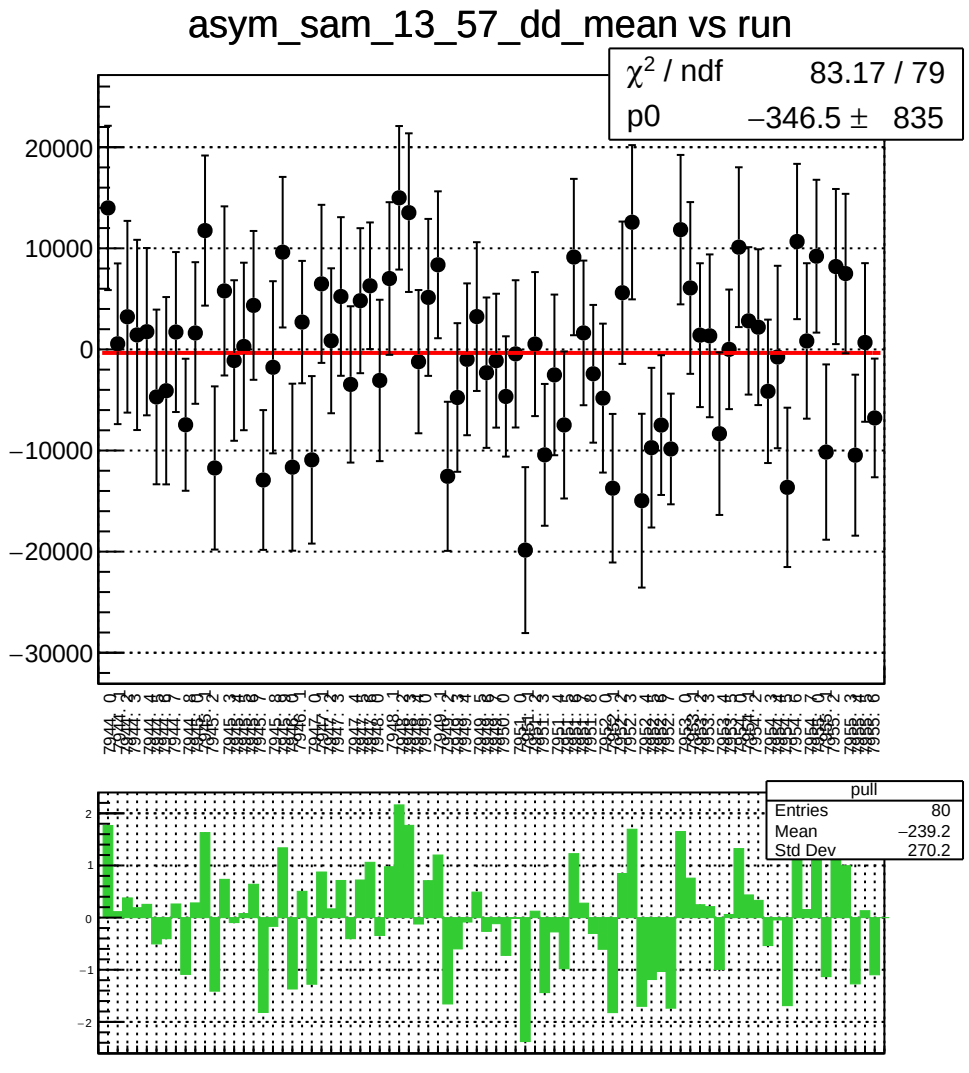

pull1D
Entries 80
Mean −0.02114
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

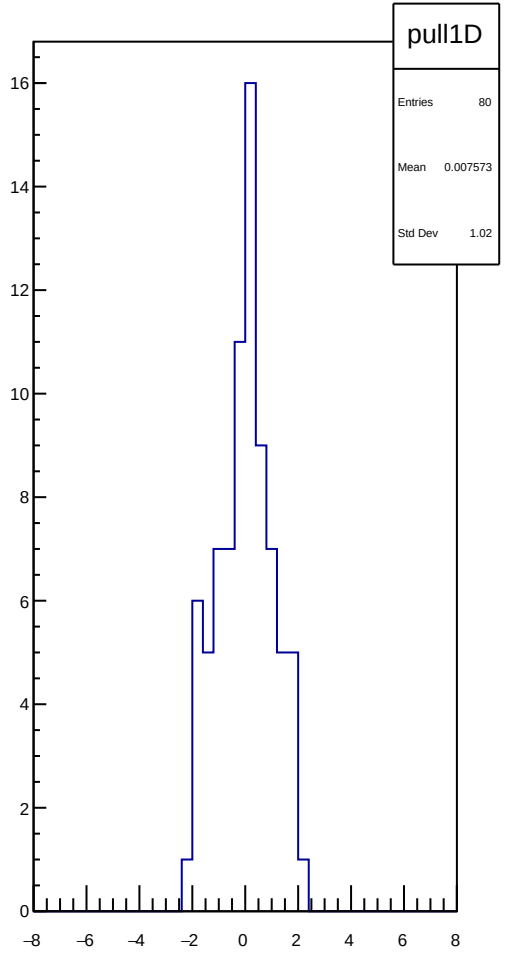

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.954e+04 / 79
p0 94.91 ± 0.07677
200
180
160
140
120
100
80

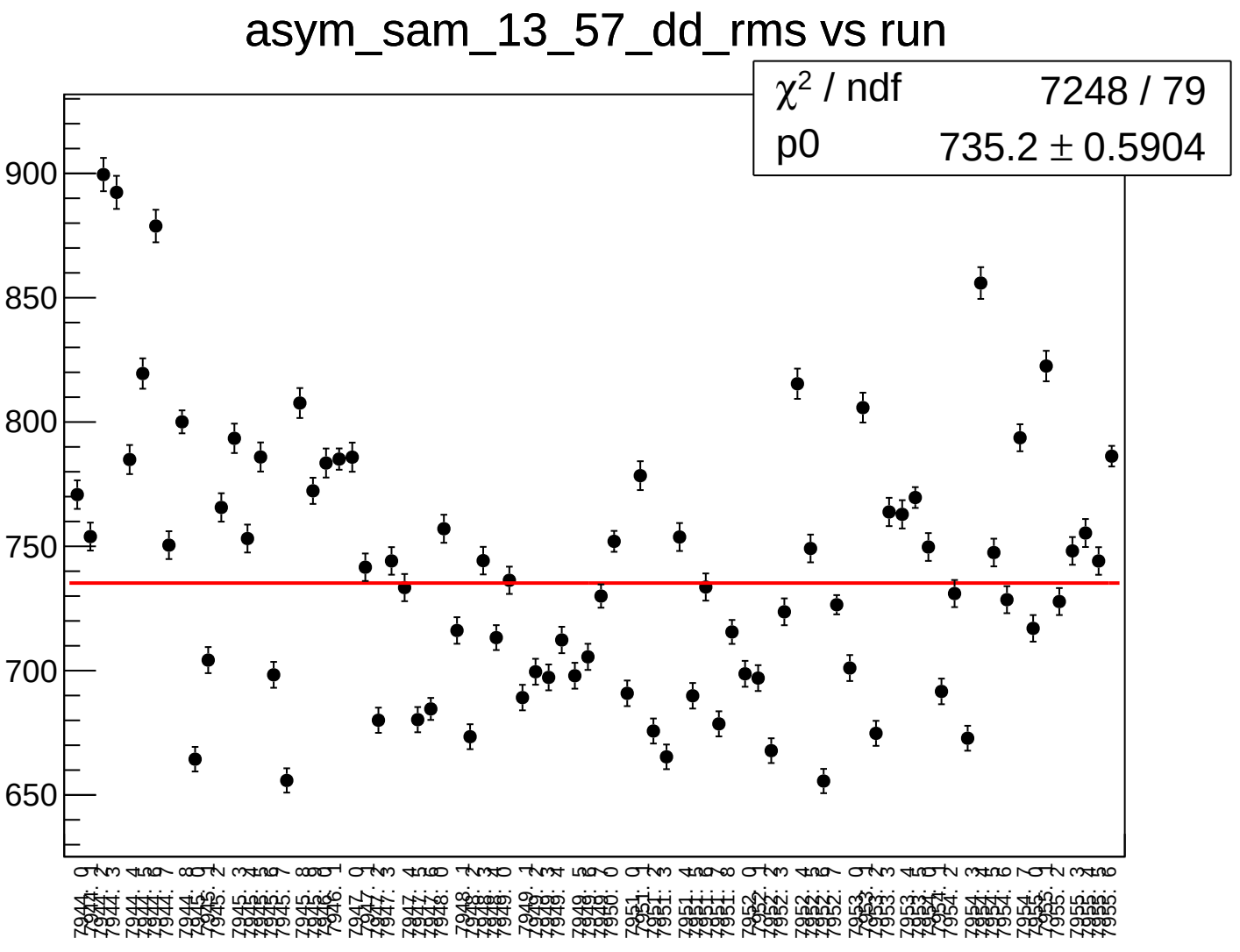

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 80.88 / 79
p0 334.7 ± 822.4
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −196.9
Std Dev 229.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

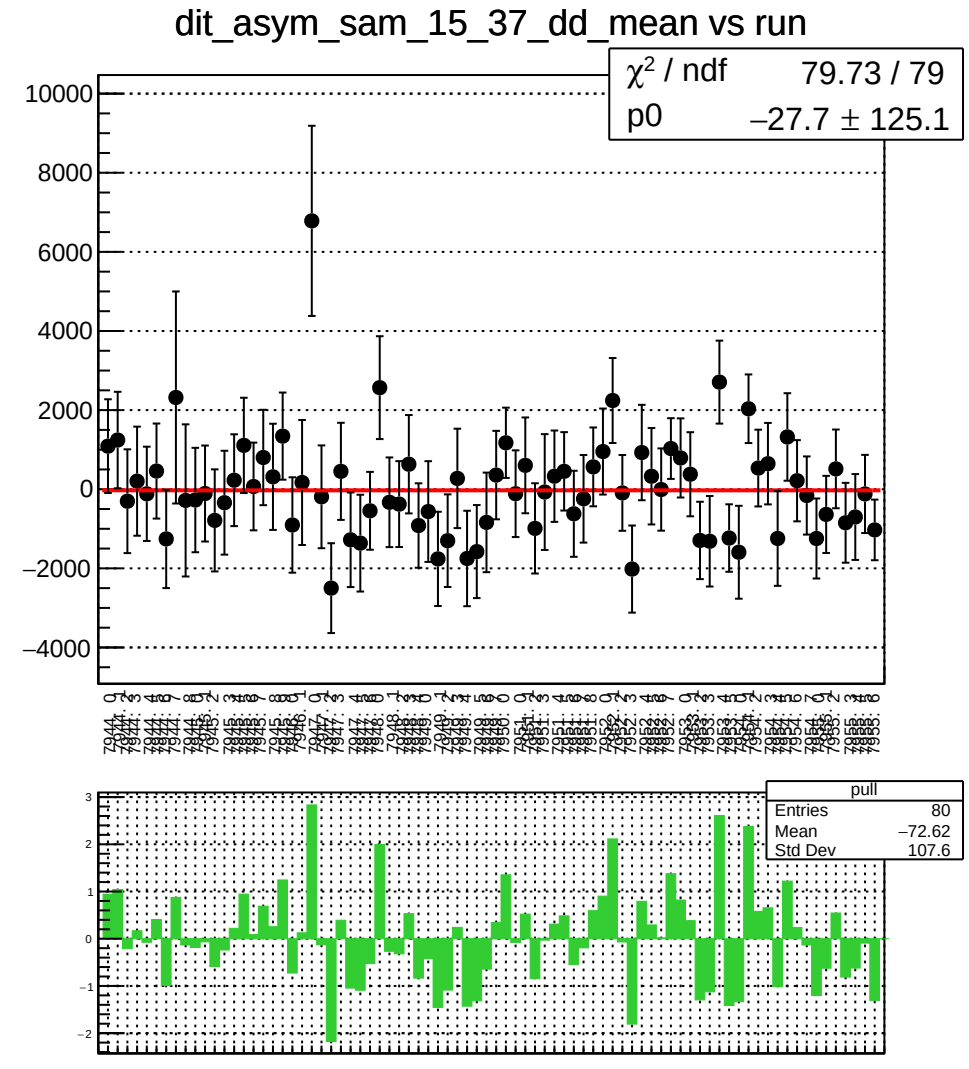

pull1D
Entries 80
Mean −0.01039
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

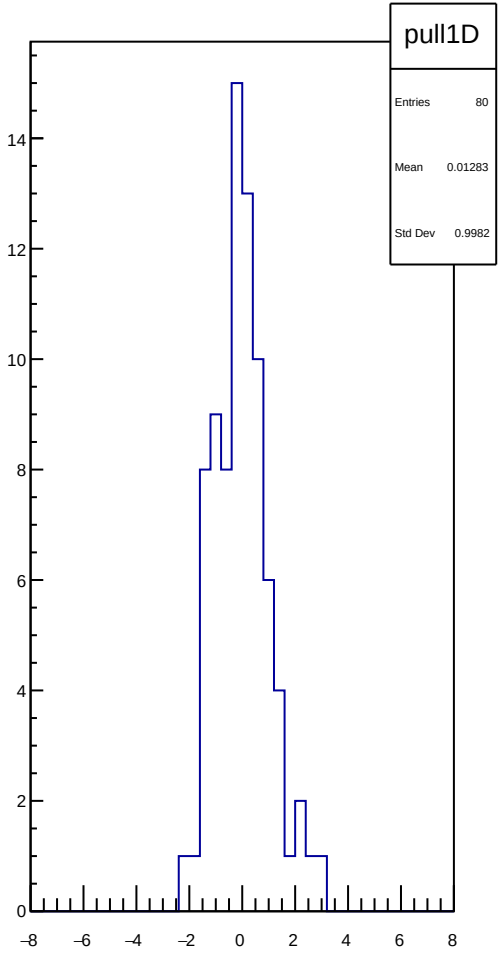

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 6841 / 79
p0 724.3 ± 0.5816
850
800
750
700
650

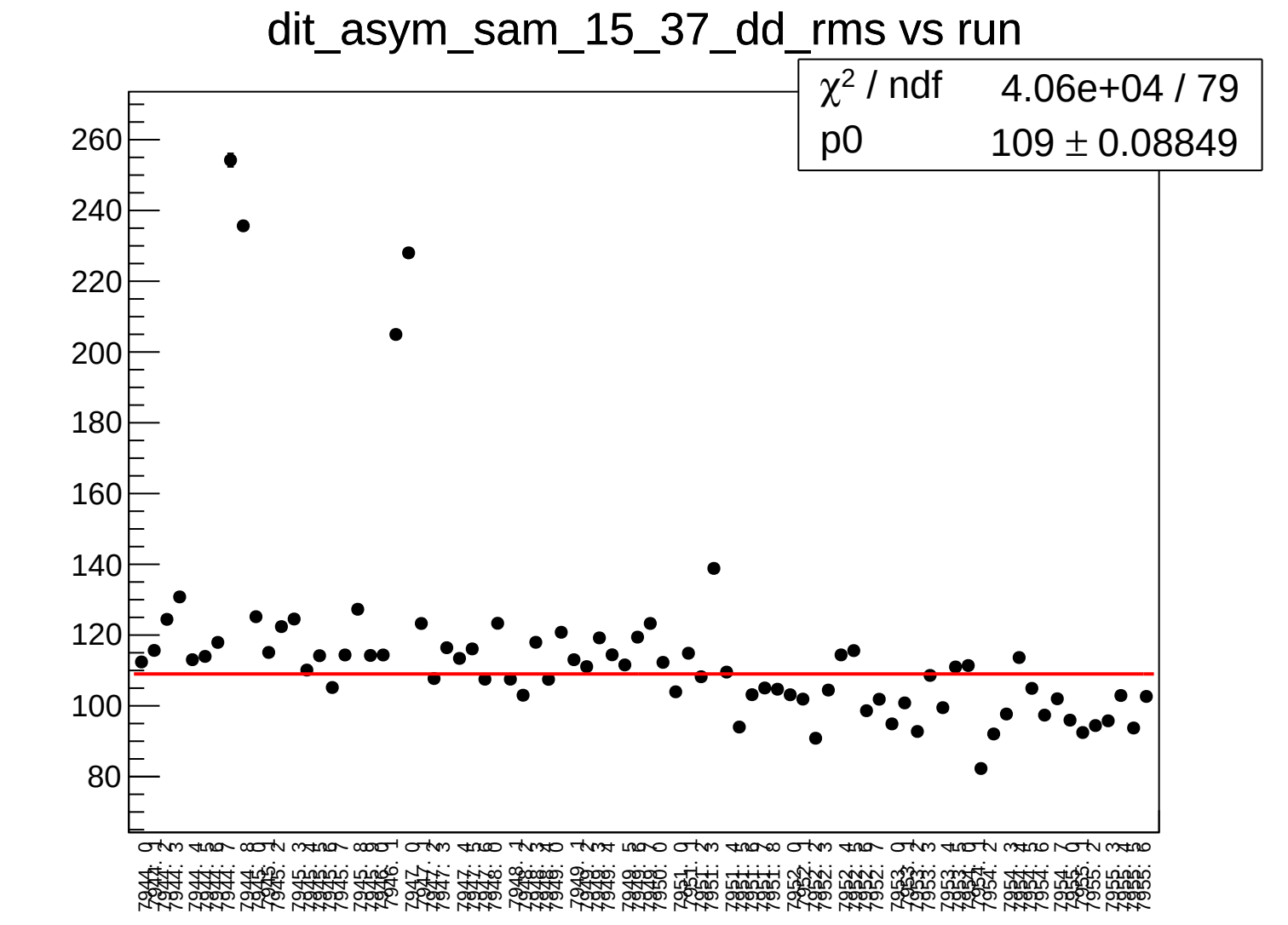

asym_sam_13_57_dd_mean vs run
χ² / ndf 83.17 / 79
p0 −346.5 ± 835
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −239.2
Std Dev 270.2
2
1
0
−1
−2

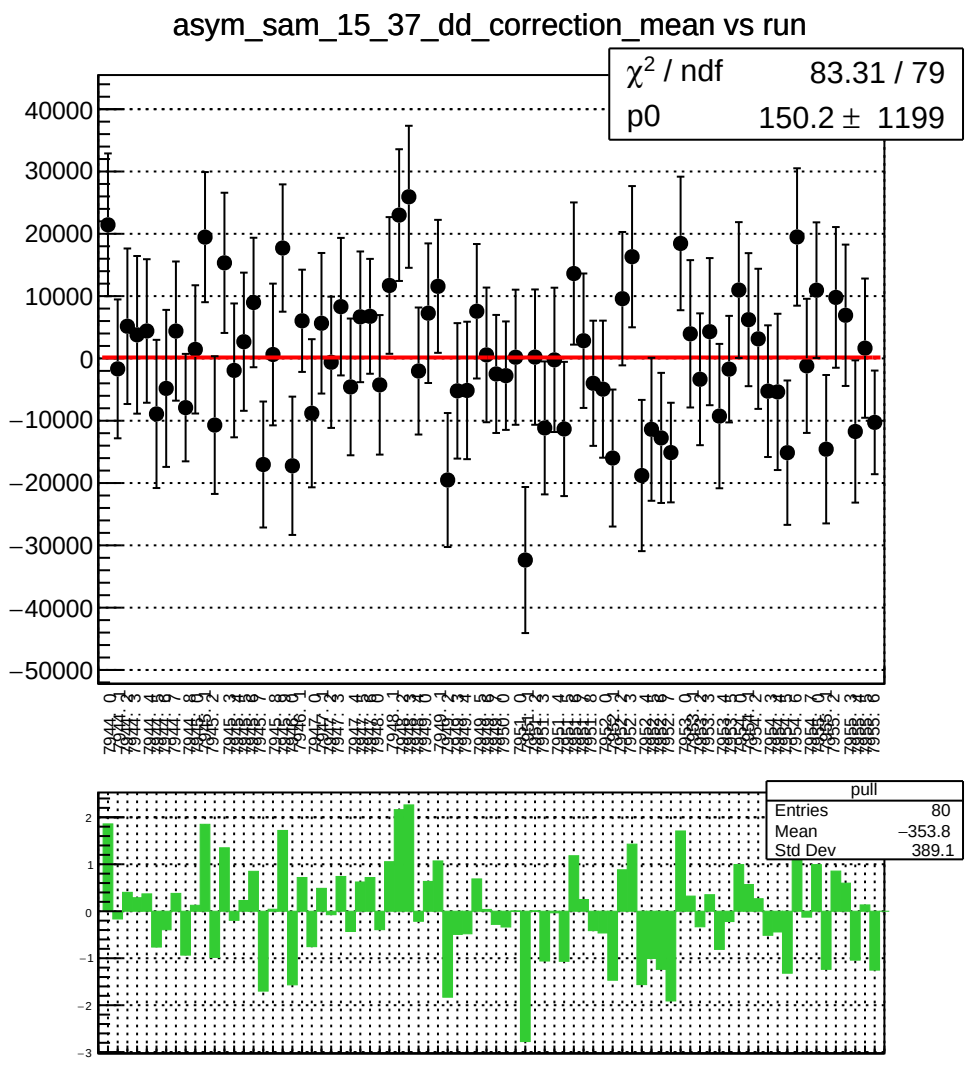

pull1D
Entries 80
Mean 0.007573
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

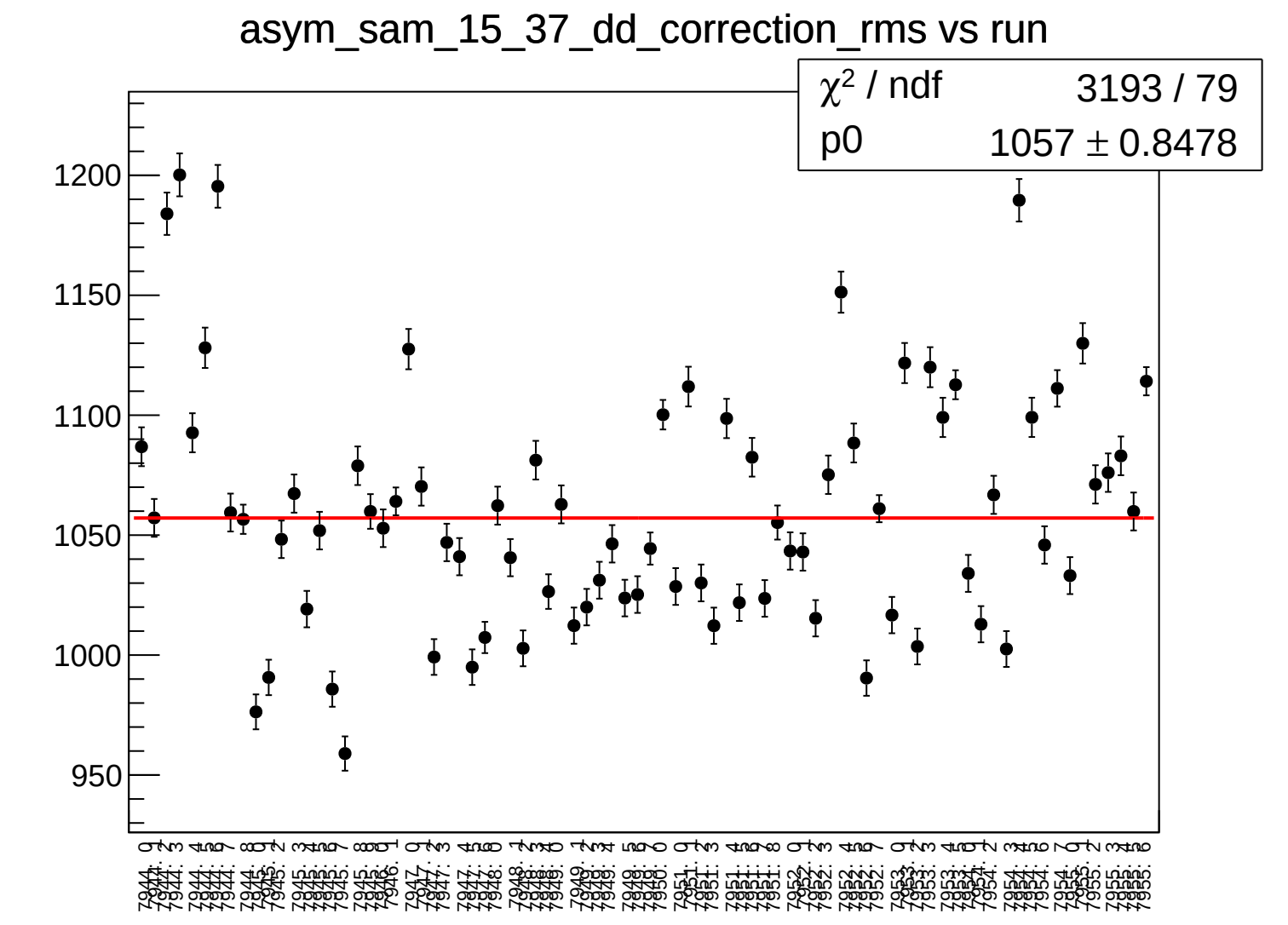

asym_sam_13_57_dd_rms vs run
χ² / ndf 7248 / 79
p0 735.2 ± 0.5904
900
850
800
750
700
650

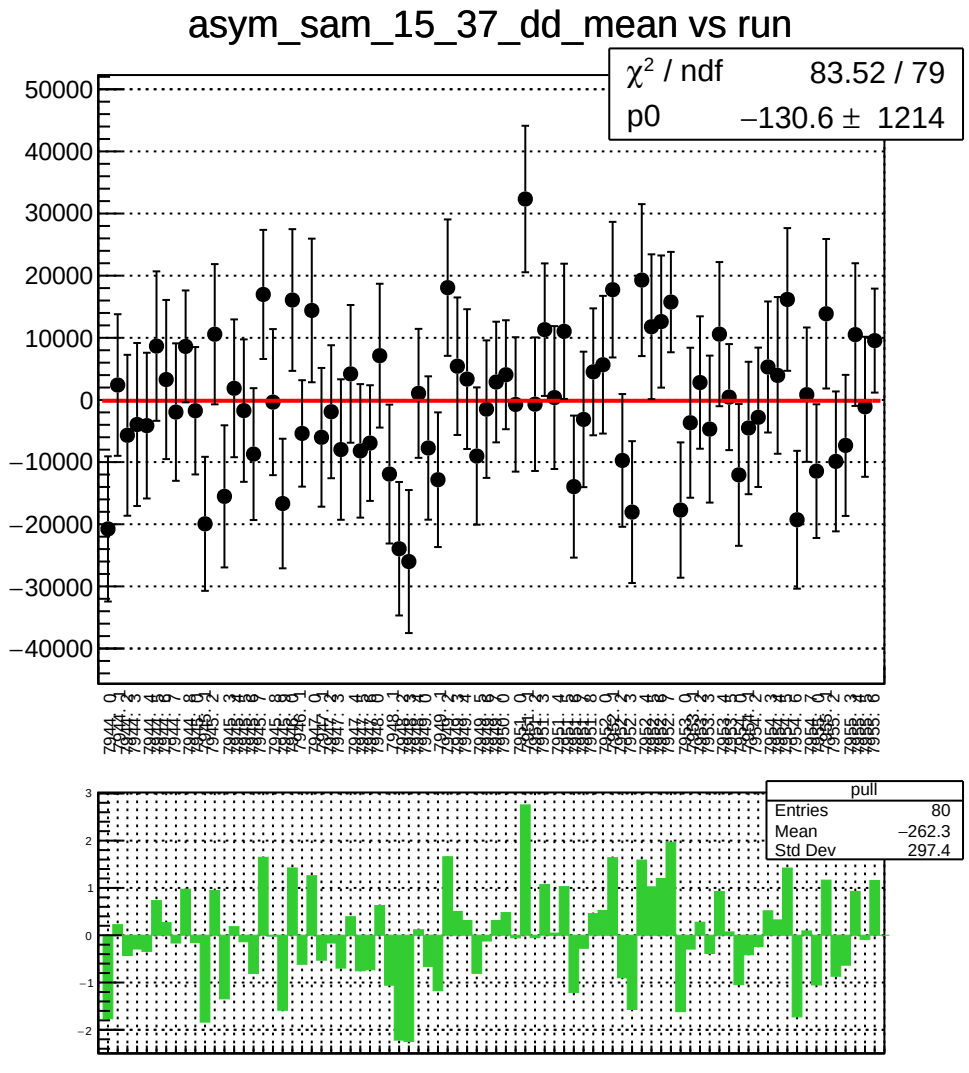

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 79.73 / 79
p0 –27.7 ± 125.1
pull
Entries 80
Mean –72.62
Std Dev 107.6

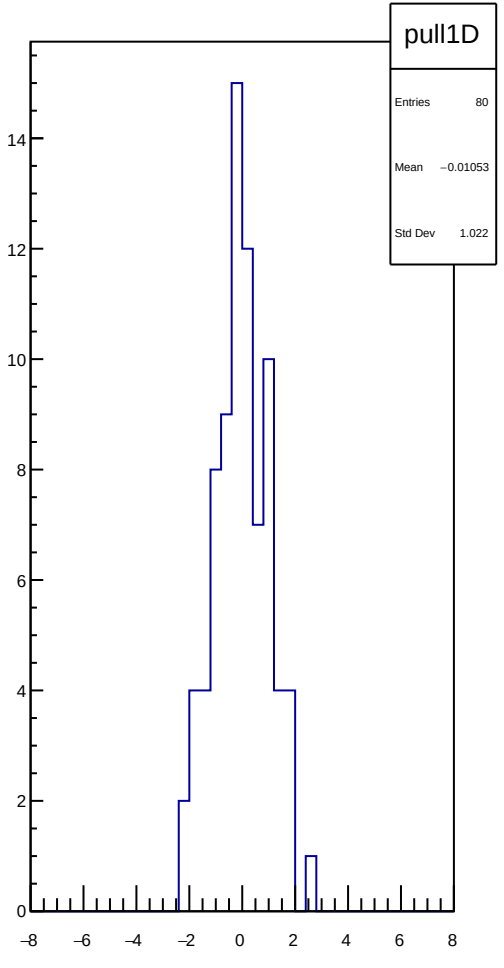

pull1D
Entries 80
Mean 0.01283
Std Dev 0.9982

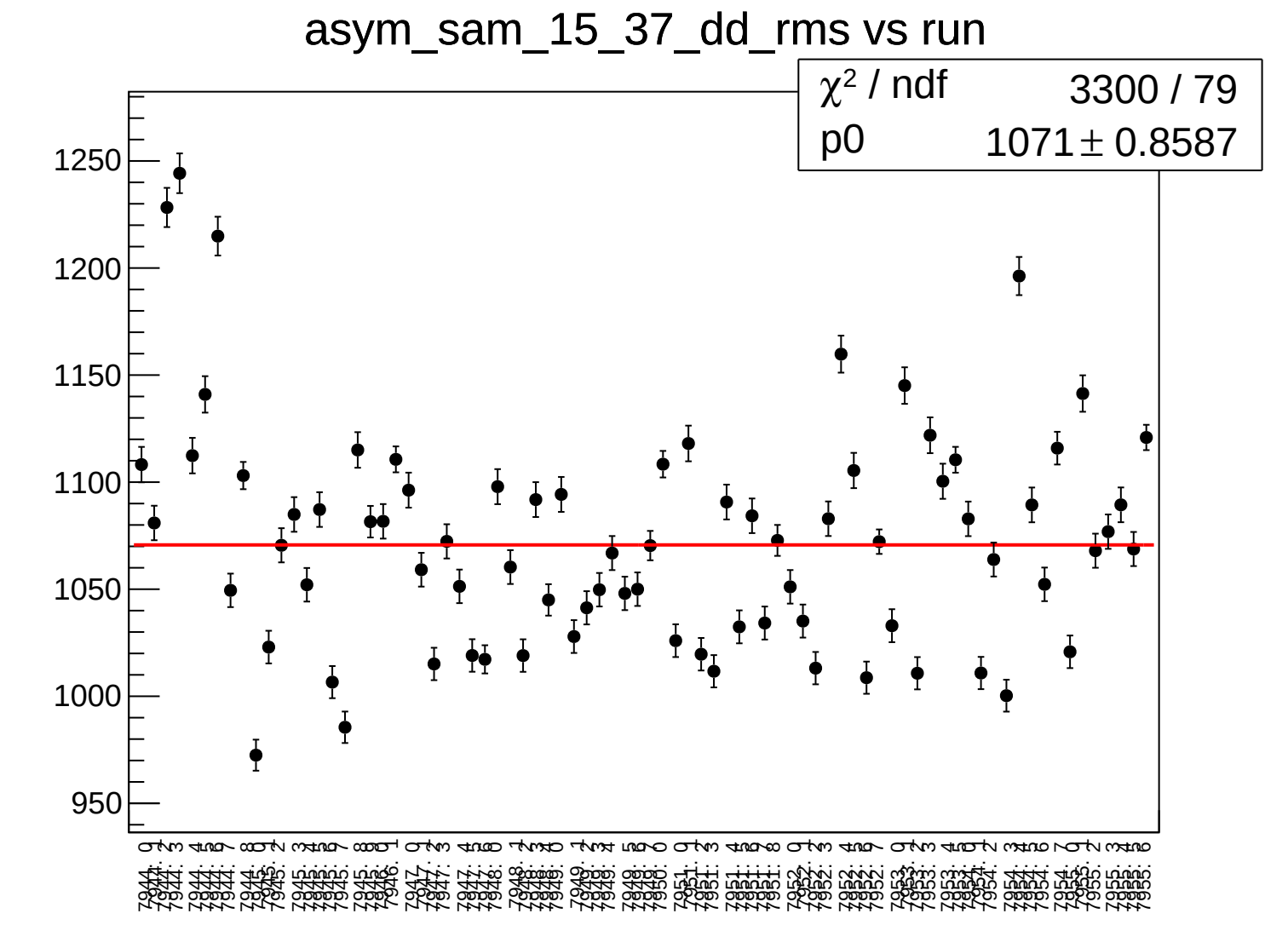

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 4.06e+04 / 79
p0 109 ± 0.08849
260
240
220
200
180
160
140
120
100
80

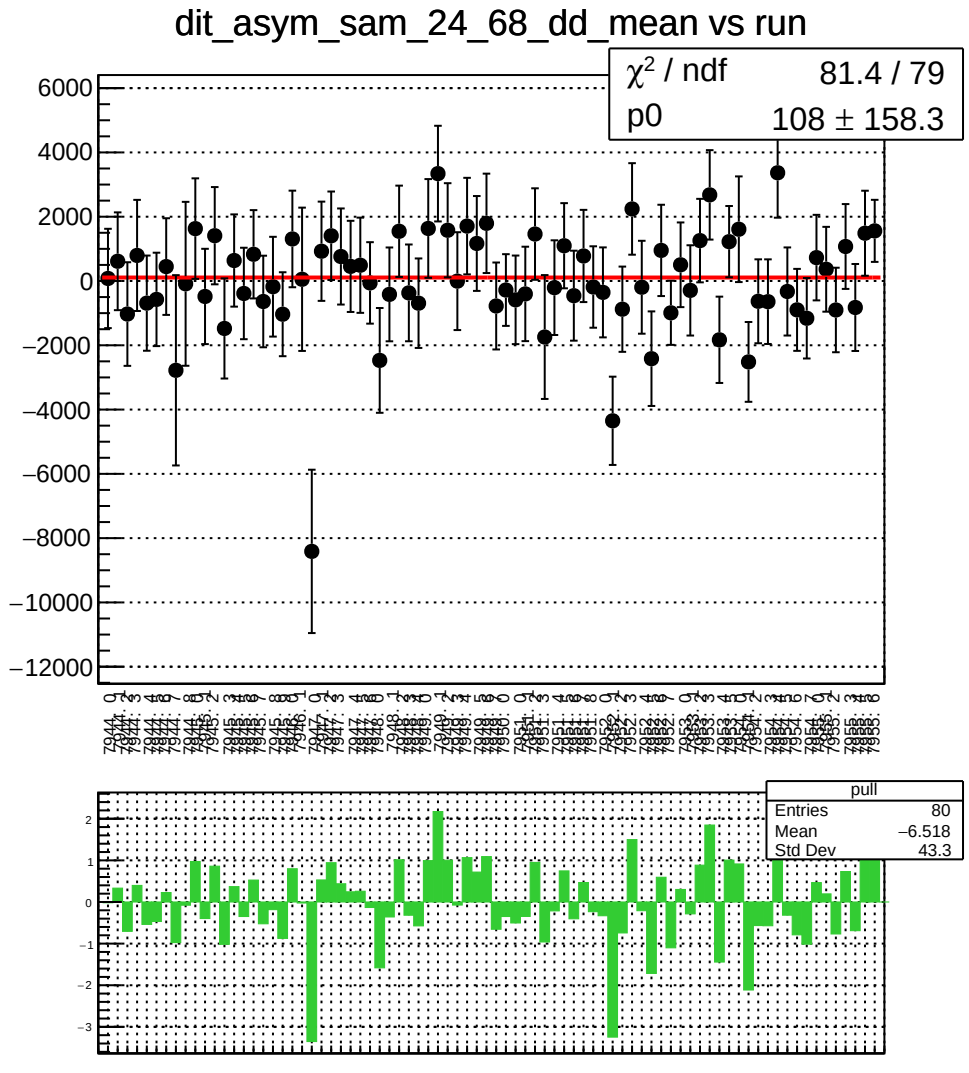

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 83.31 / 79
p0 150.2 ± 1199
pull
Entries 80
Mean −353.8
Std Dev 389.1
pull1D
Entries 80
Mean 0.008795
Std Dev 1.02

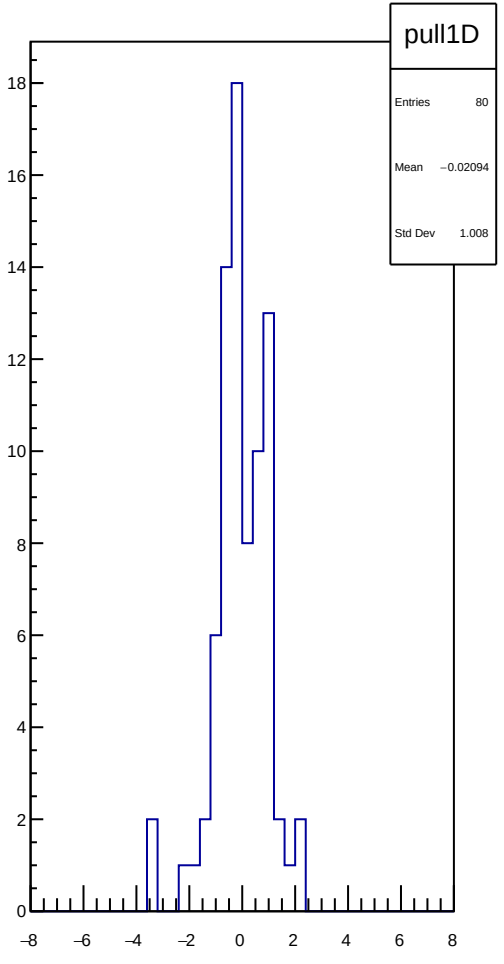

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3193 / 79
p0 1057 ± 0.8478
1200
1150
1100
1050
1000
950

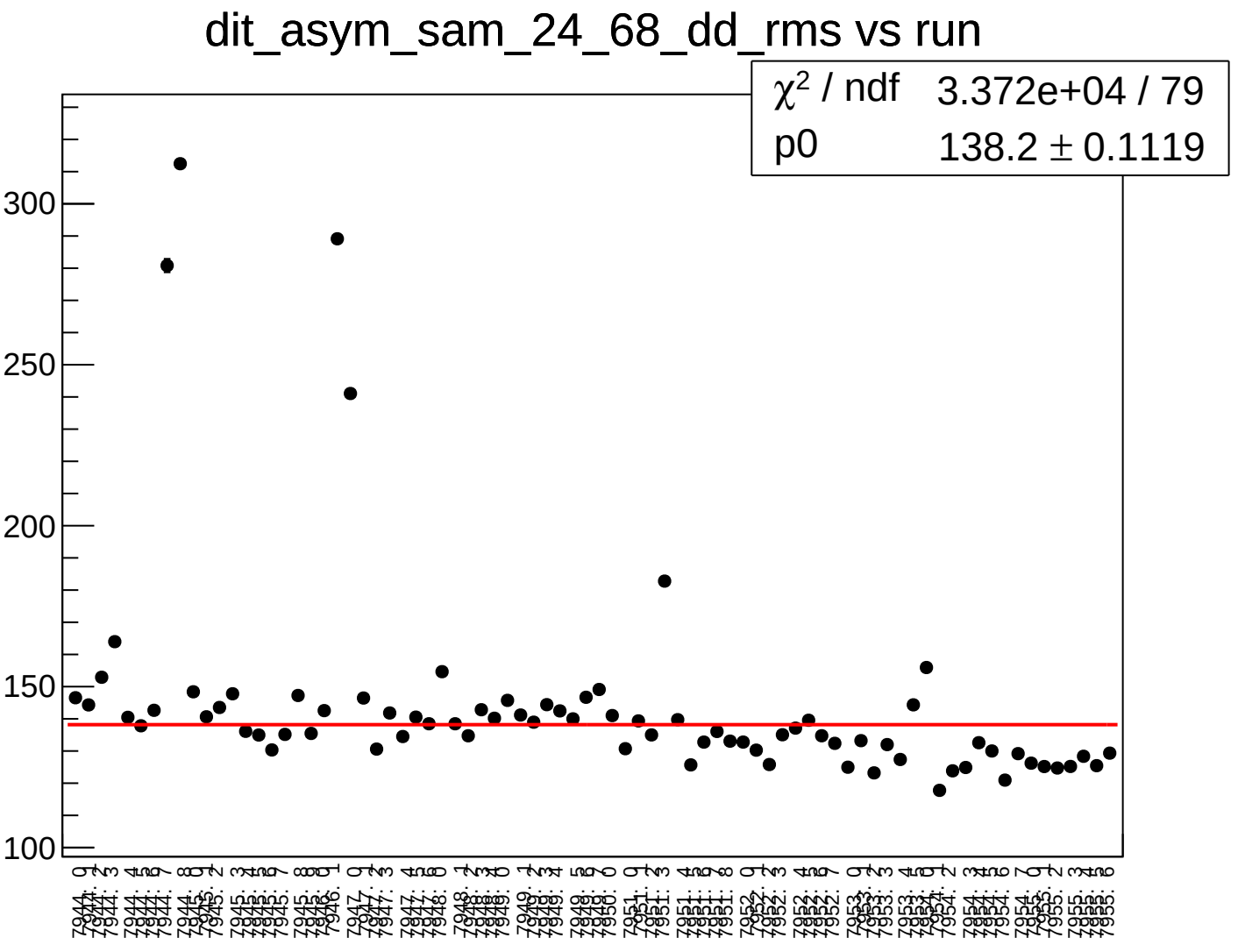

asym_sam_15_37_dd_mean vs run
χ² / ndf 83.52 / 79
p0 −130.6 ± 1214
pull
Entries 80
Mean −262.3
Std Dev 297.4

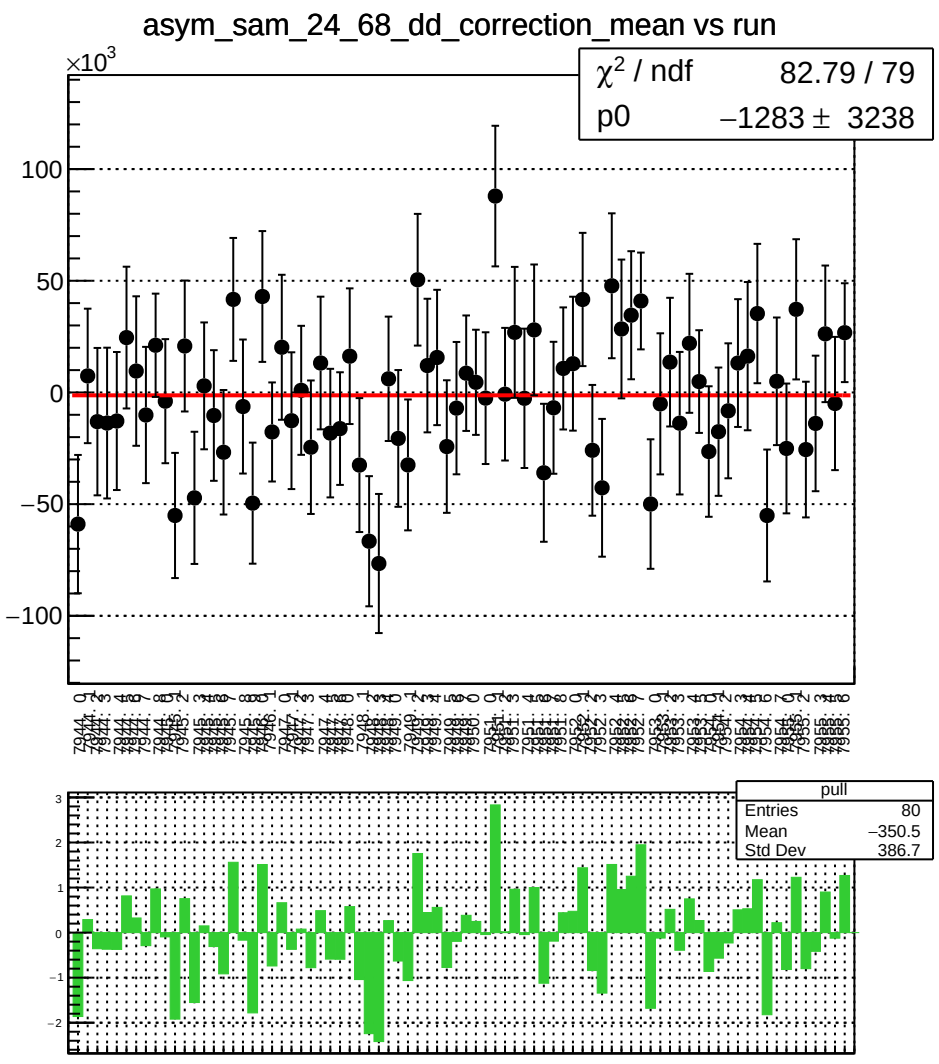

pull1D
Entries 80
Mean −0.01053
Std Dev 1.022

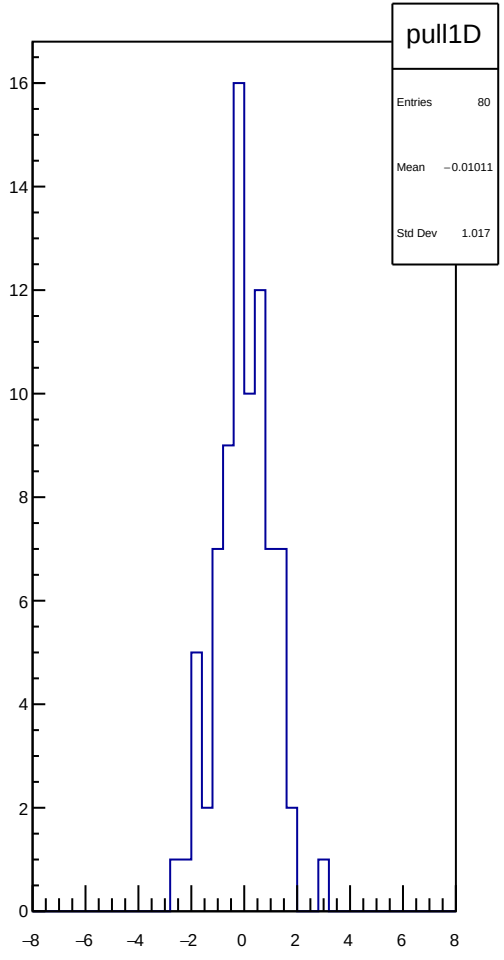

asym_sam_15_37_dd_rms vs run
χ² / ndf 3300 / 79
p0 1071 ± 0.8587
1250
1200
1150
1100
1050
1000
950

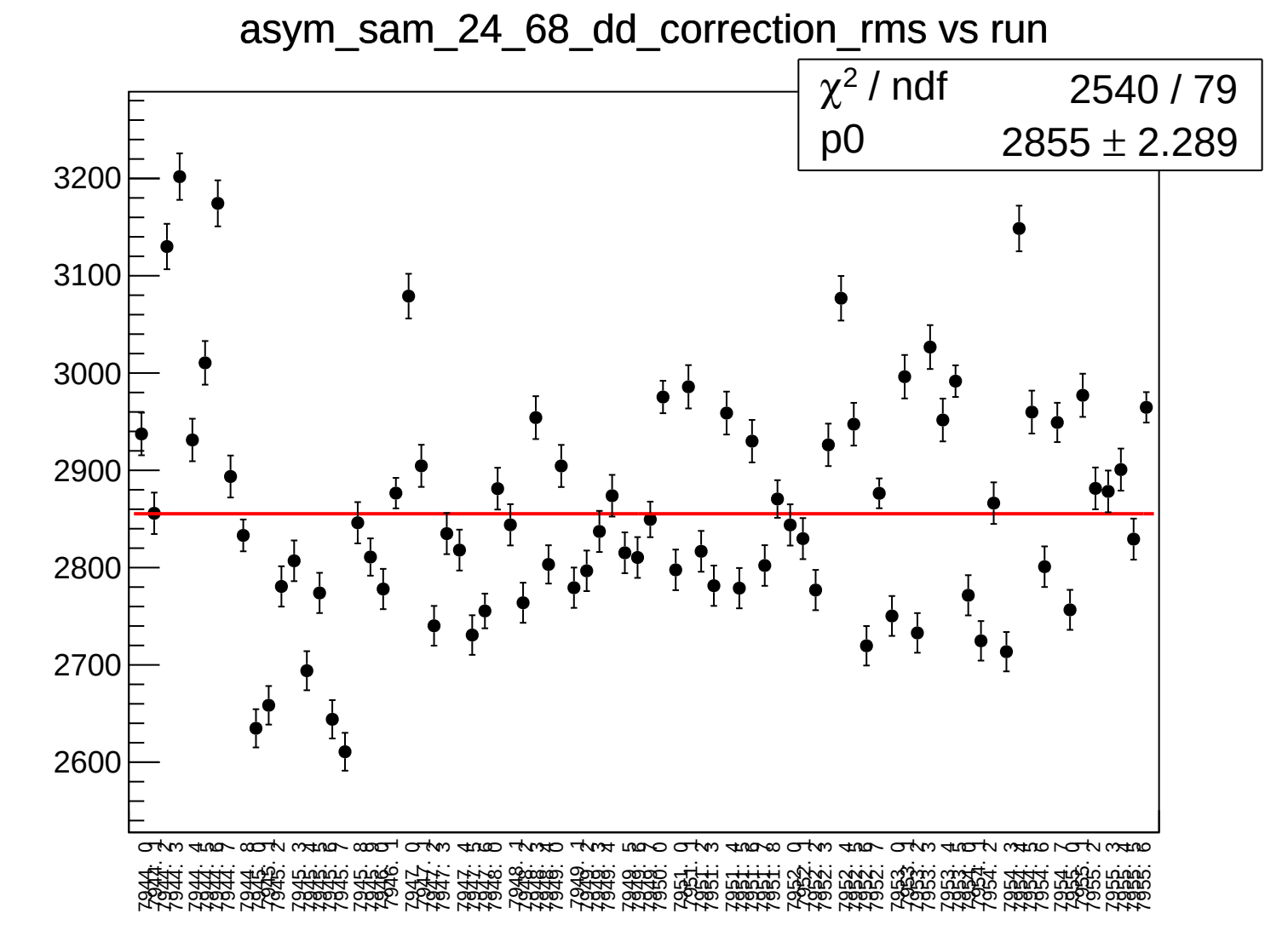

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 81.4 / 79
p0 108 ± 158.3
pull
Entries 80
Mean −6.518
Std Dev 43.3

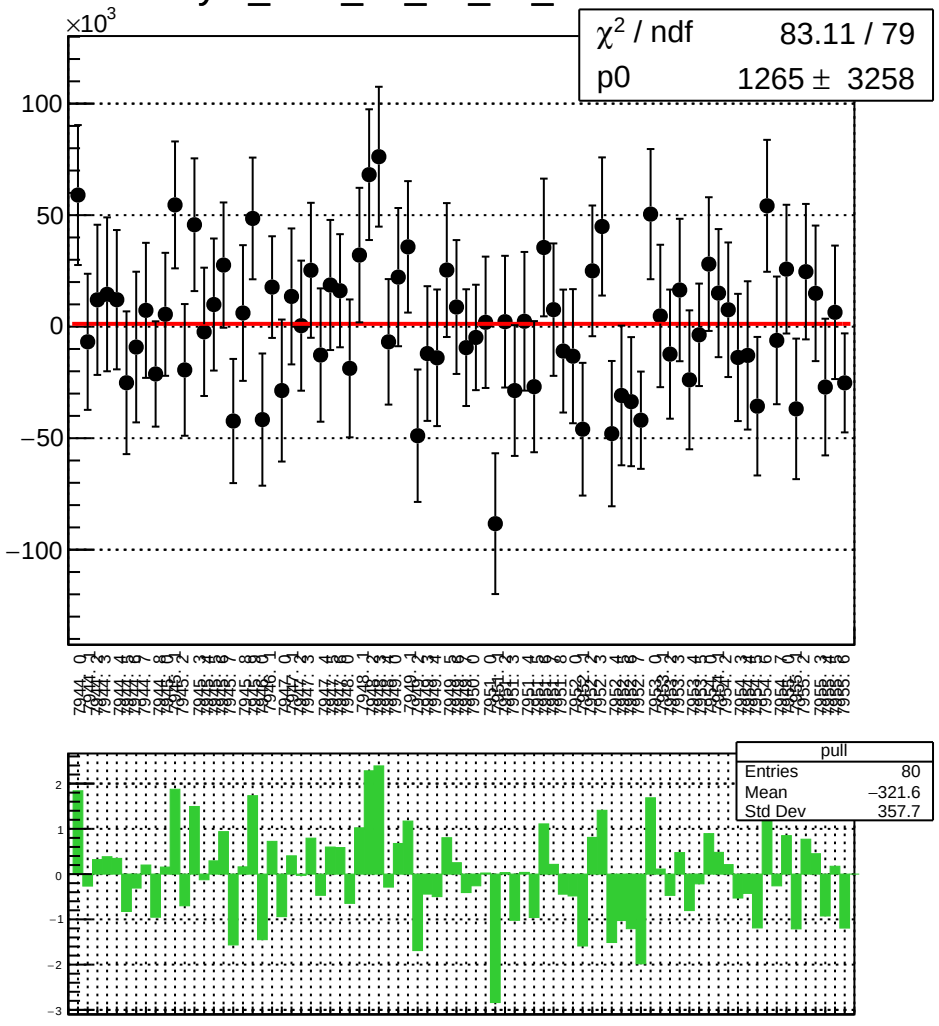

pull1D
Entries 80
Mean −0.02094
Std Dev 1.008

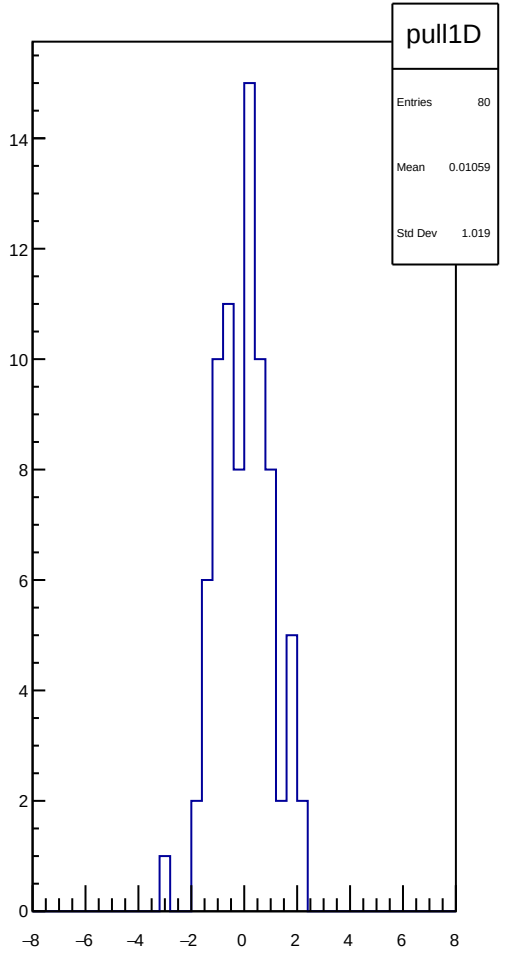

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 3.372e+04 / 79
p0 138.2 ± 0.1119
300
250
200
150
100

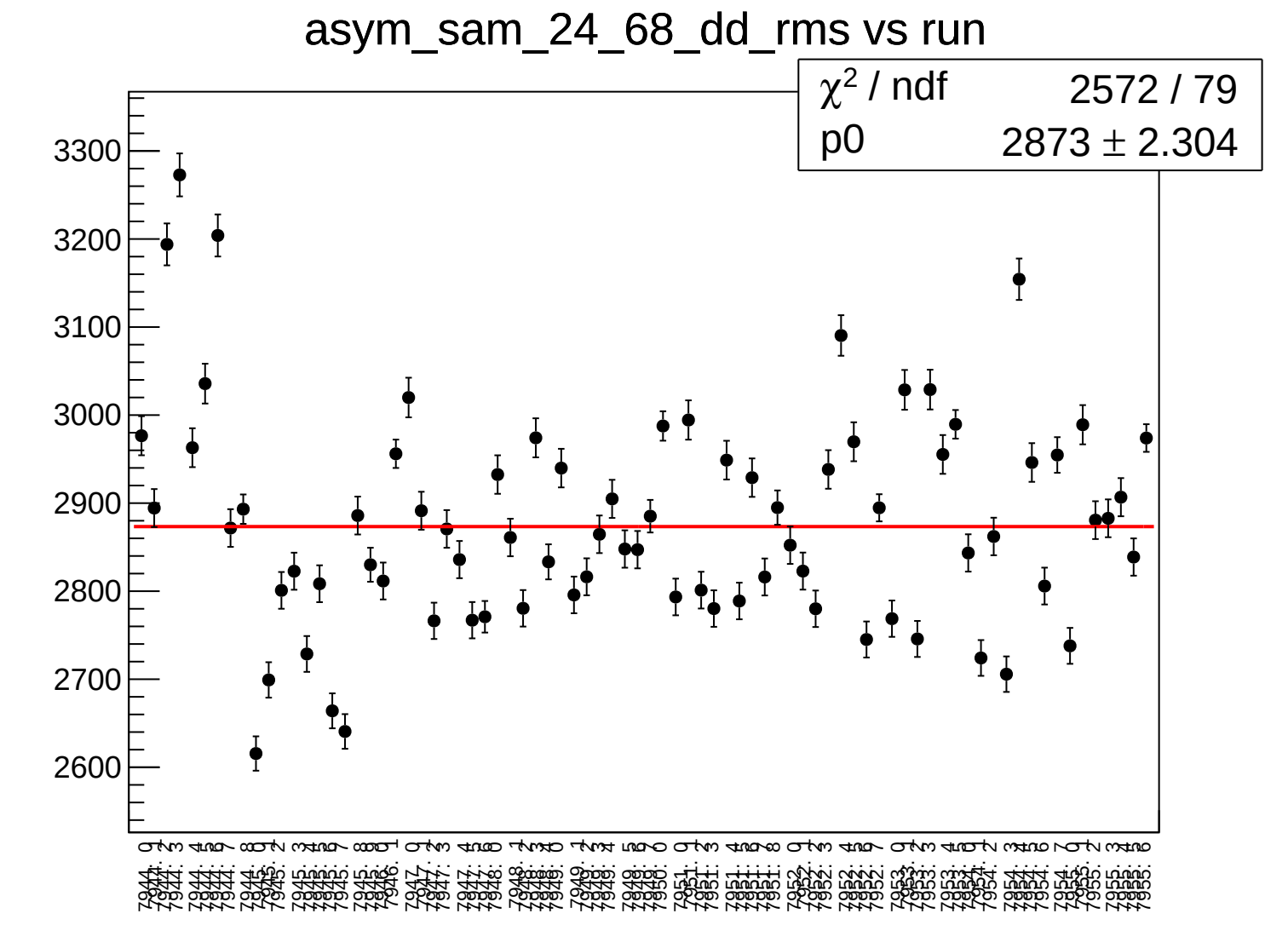

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 82.79 / 79
p0 −1283 ± 3238
100
50
0
−50
−100
pull
Entries 80
Mean −350.5
Std Dev 386.7
3
2
1
0
−1
−2

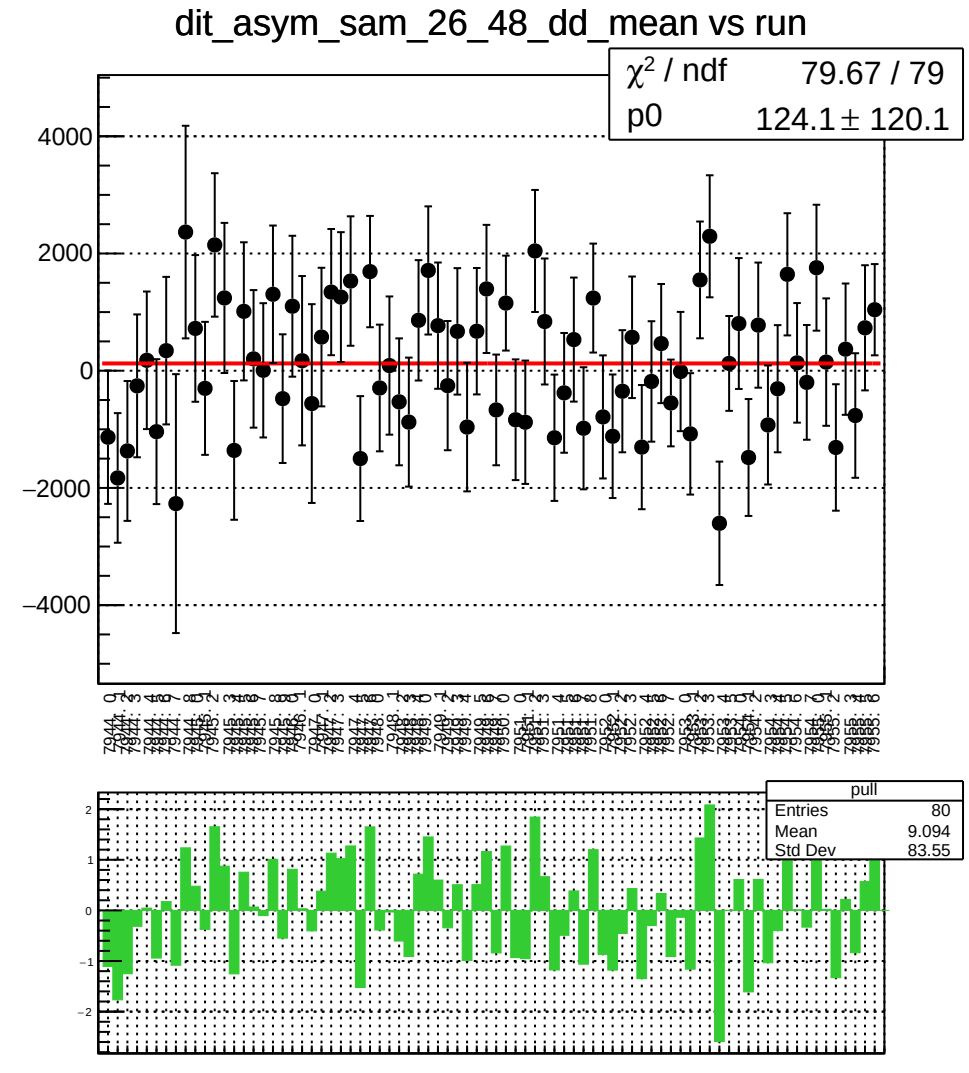

pull1D
Entries 80
Mean −0.01011
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

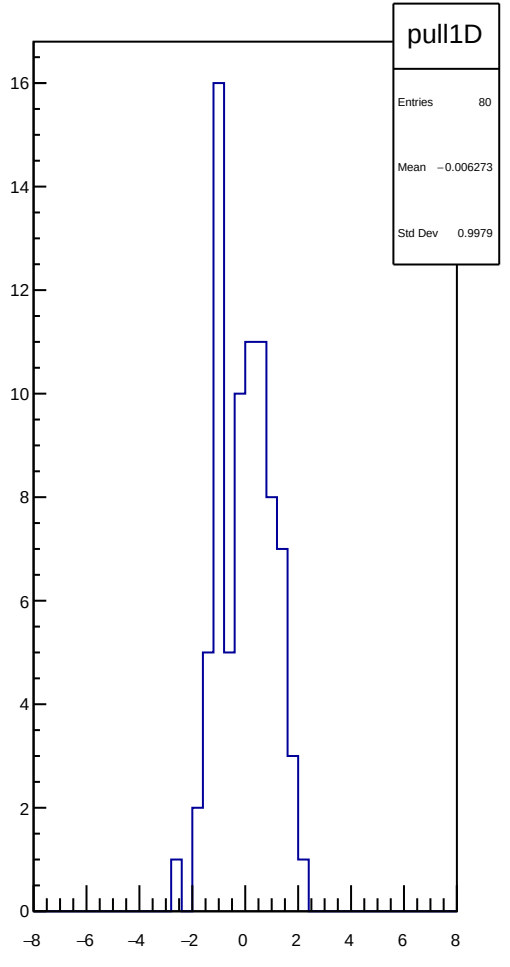

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2540 / 79
p0 2855 ± 2.289
3200
3100
3000
2900
2800
2700
2600

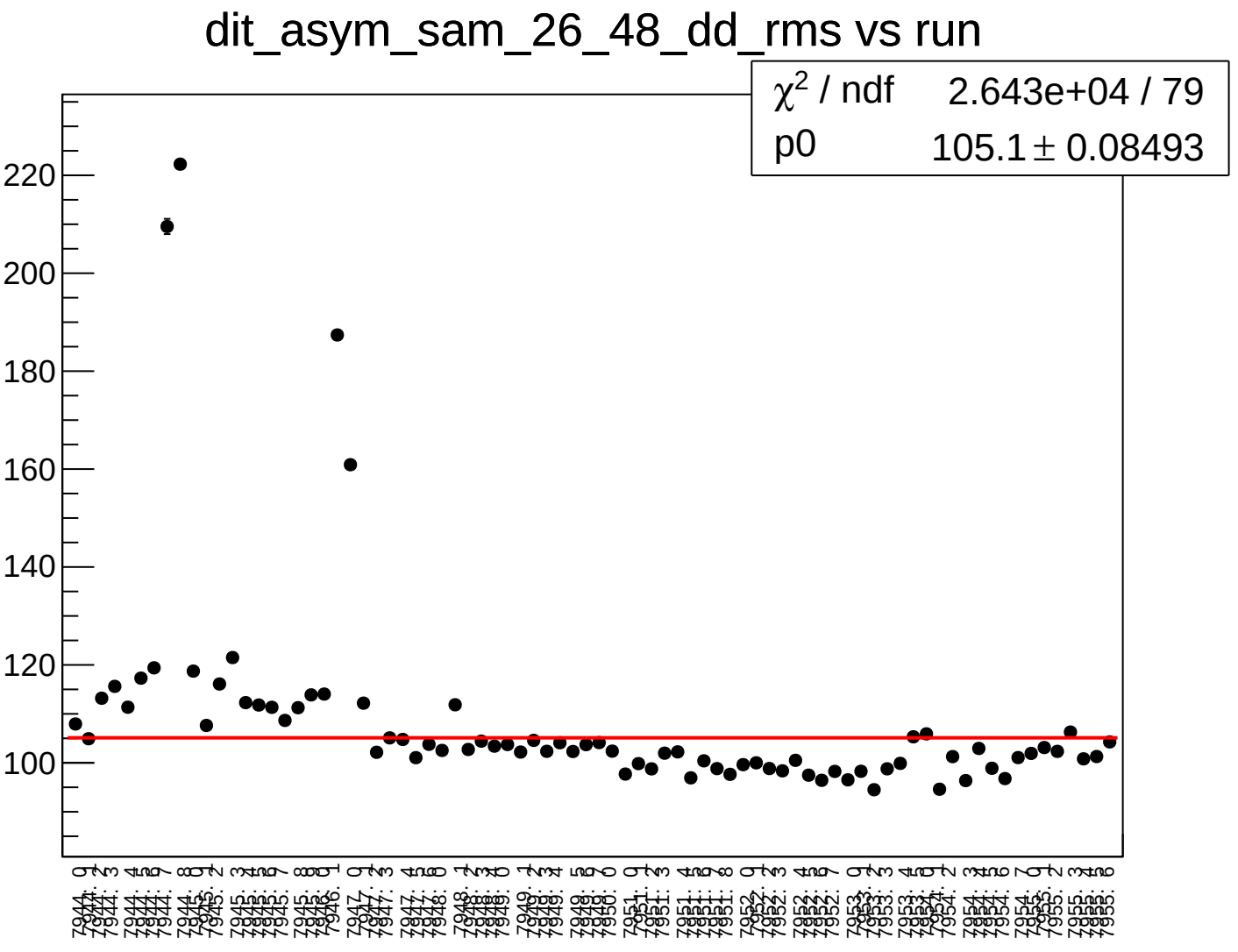

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 83.11 / 79
p0 1265 ± 3258
100
50
0
−50
−100
pull
Entries 80
Mean −321.6
Std Dev 357.7
2
1
0
−1
−2
−3

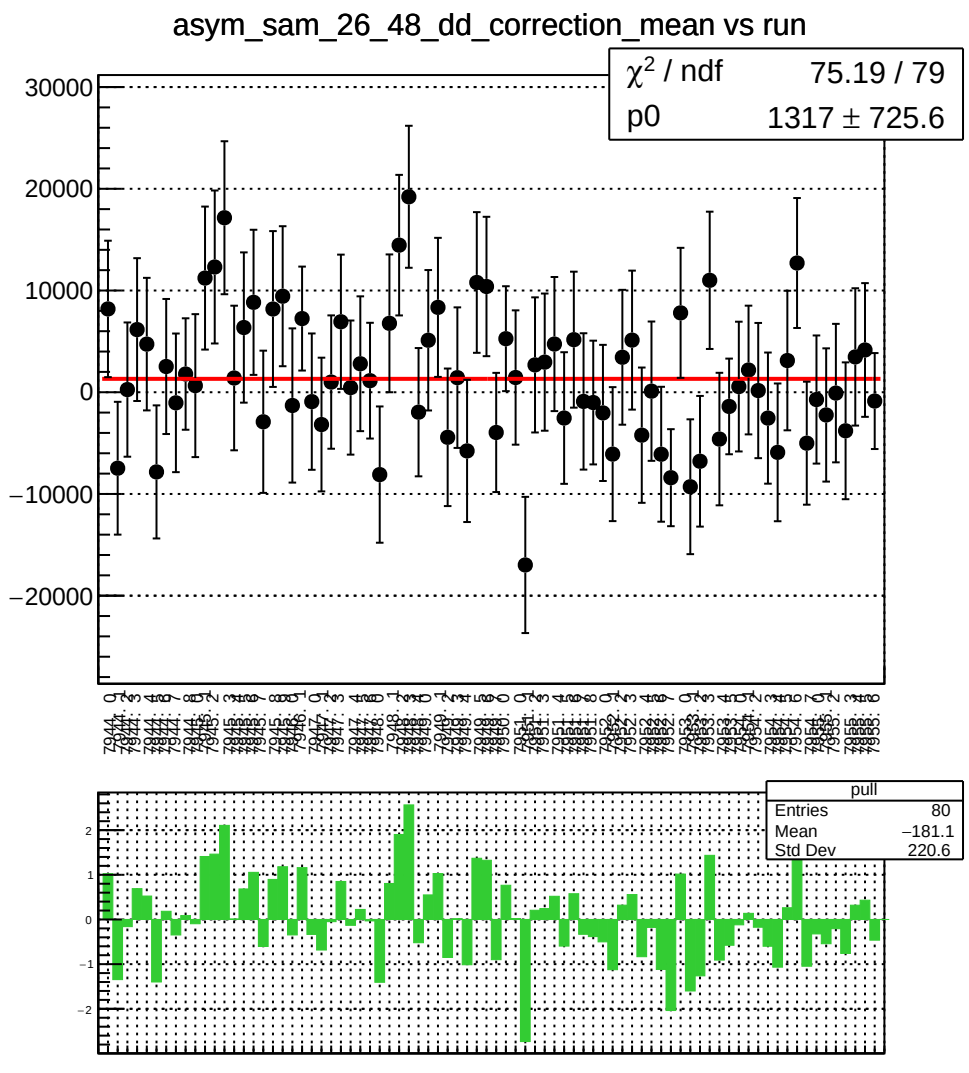

pull1D
Entries 80
Mean 0.01059
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

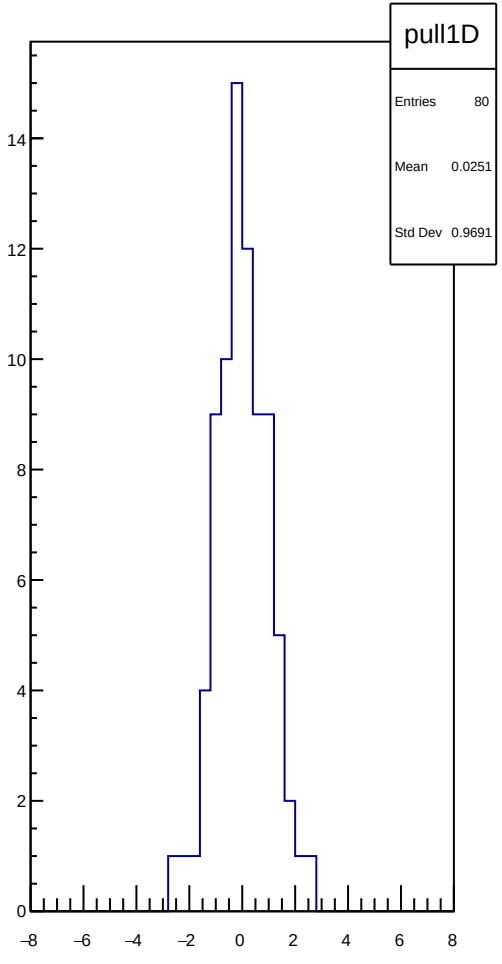

asym_sam_24_68_dd_rms vs run
χ² / ndf 2572 / 79
p0 2873 ± 2.304
3300
3200
3100
3000
2900
2800
2700
2600

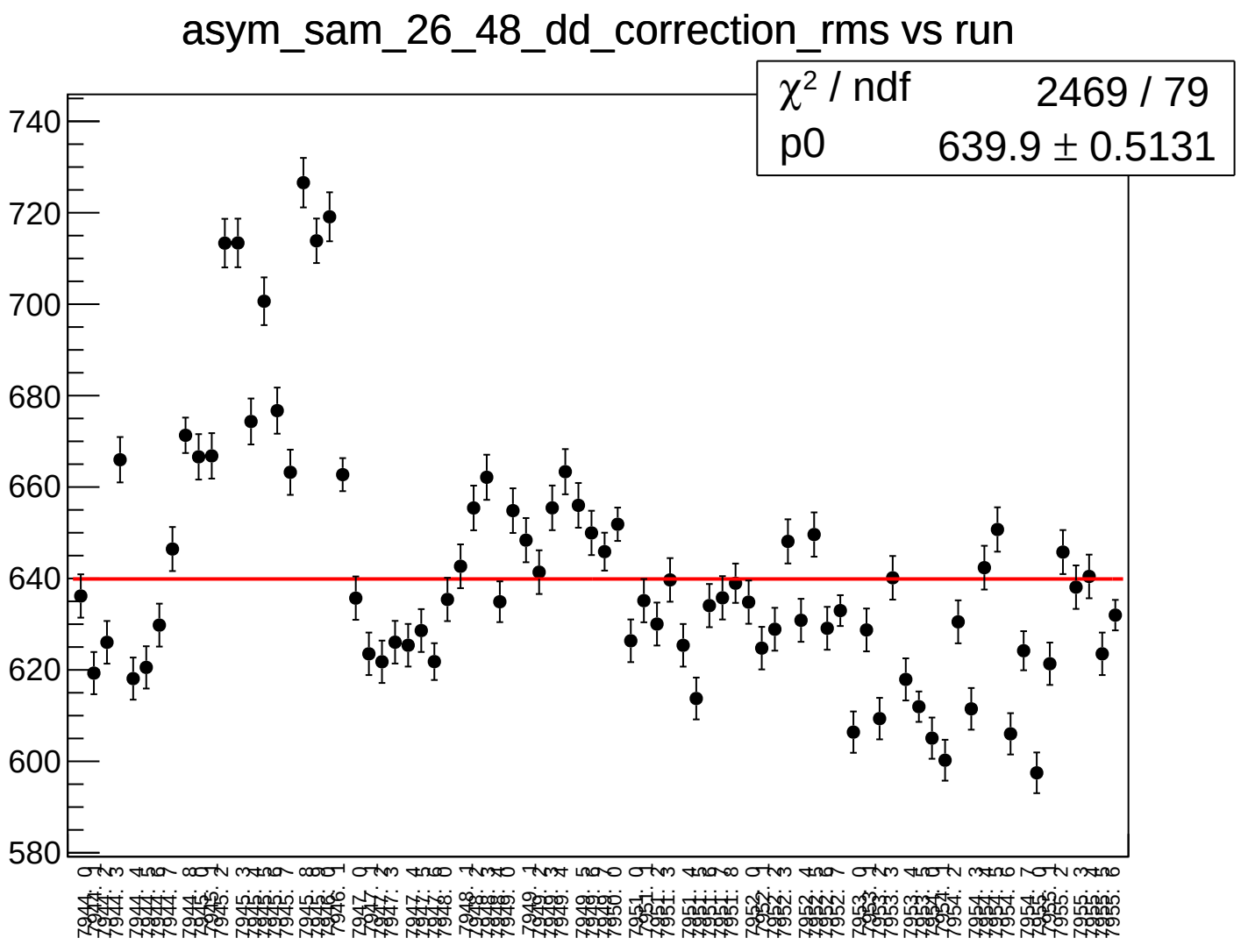

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 79.67 / 79
p0 124.1 ± 120.1
4000
2000
0
−2000
−4000
pull
Entries 80
Mean 9.094
Std Dev 83.55
2
1
0
−1
−2

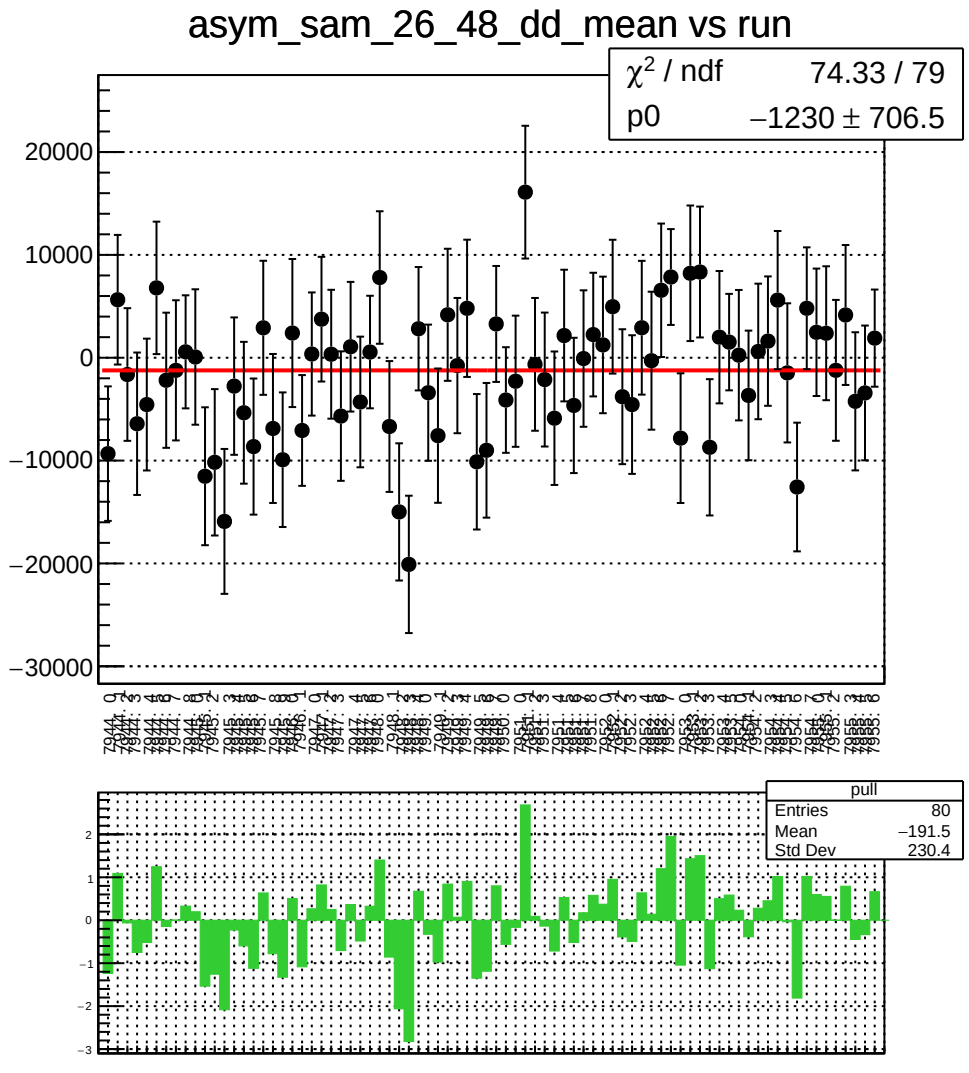

pull1D
Entries 80
Mean −0.006273
Std Dev 0.9979
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

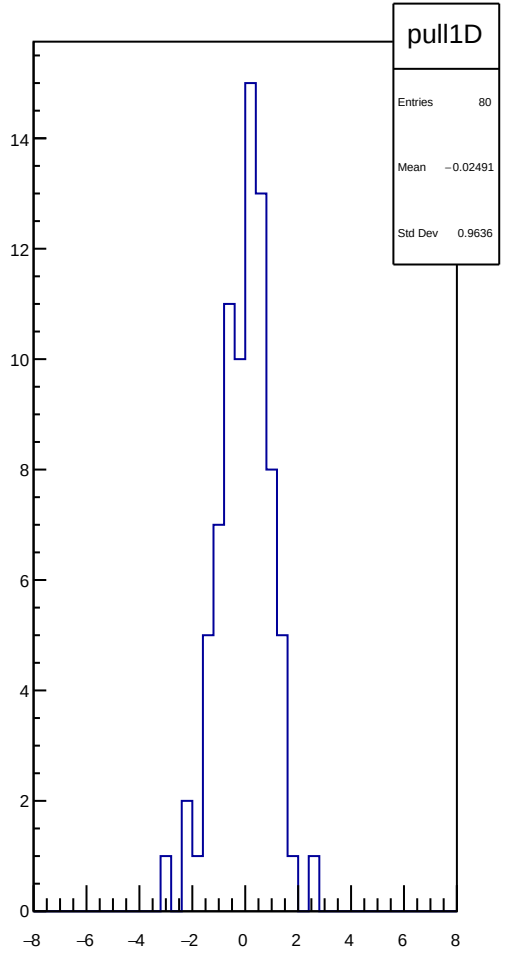

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.643e+04 / 79
p0 105.1 ± 0.08493
220
200
180
160
140
120
100

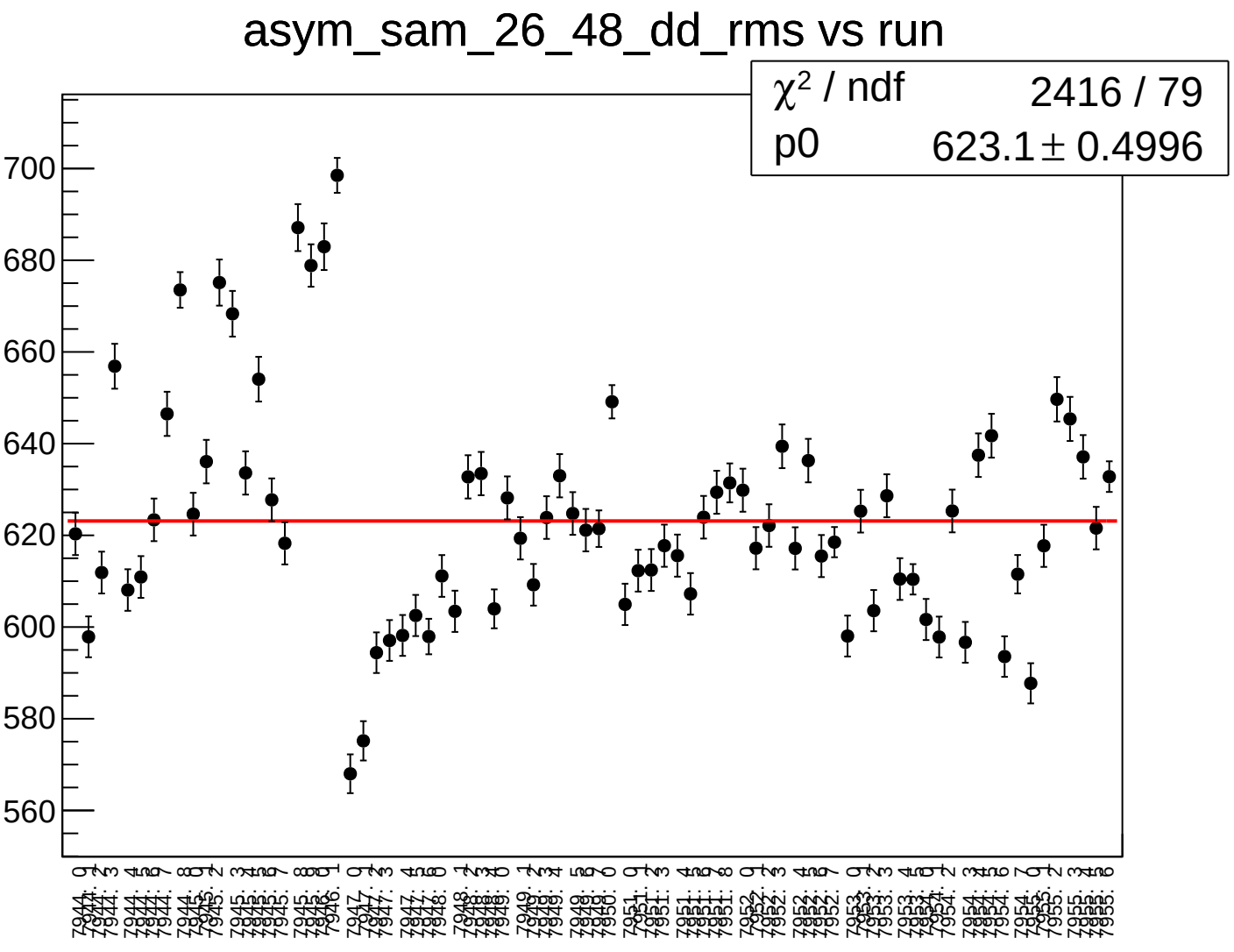

asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 75.19 / 79
p0 1317 ± 725.6
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −181.1
Std Dev 220.6
2
1
0
−1
−2

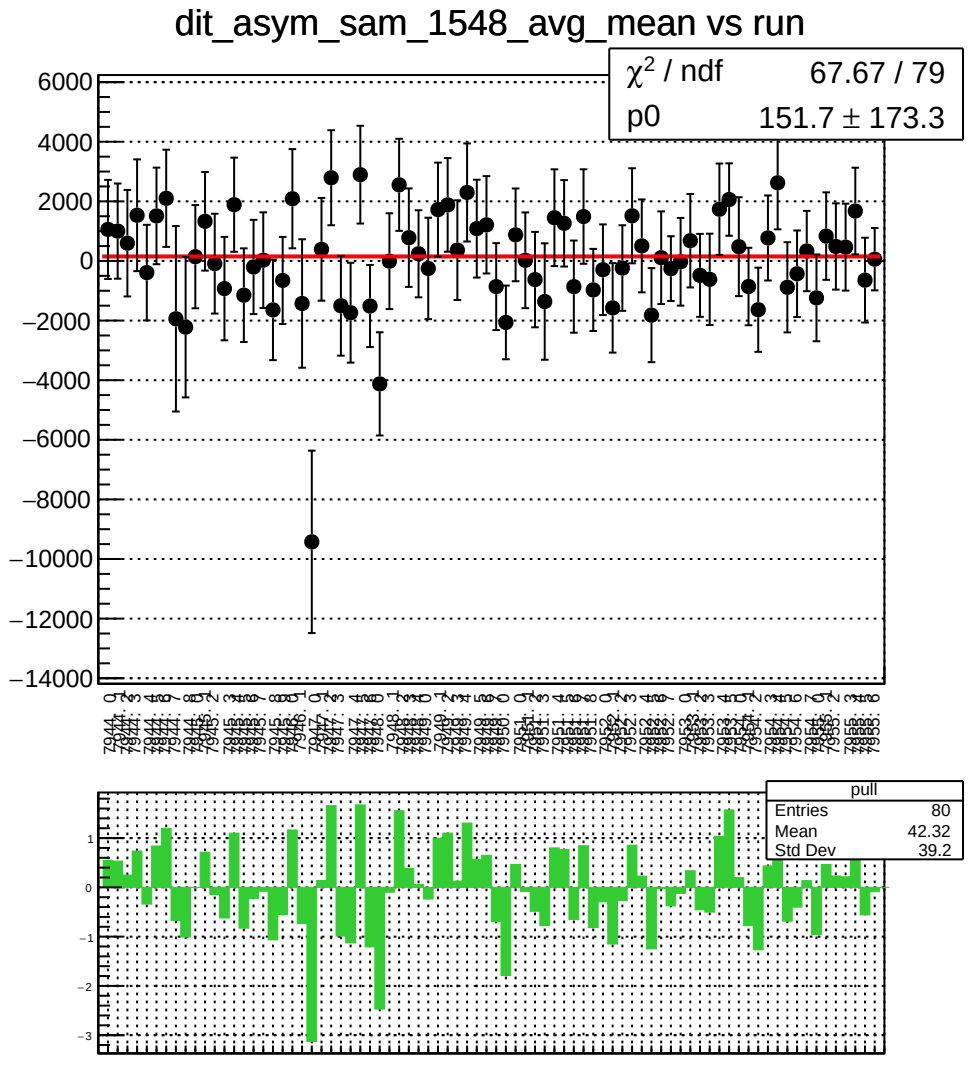

pull1D
Entries 80
Mean 0.0251
Std Dev 0.9691
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

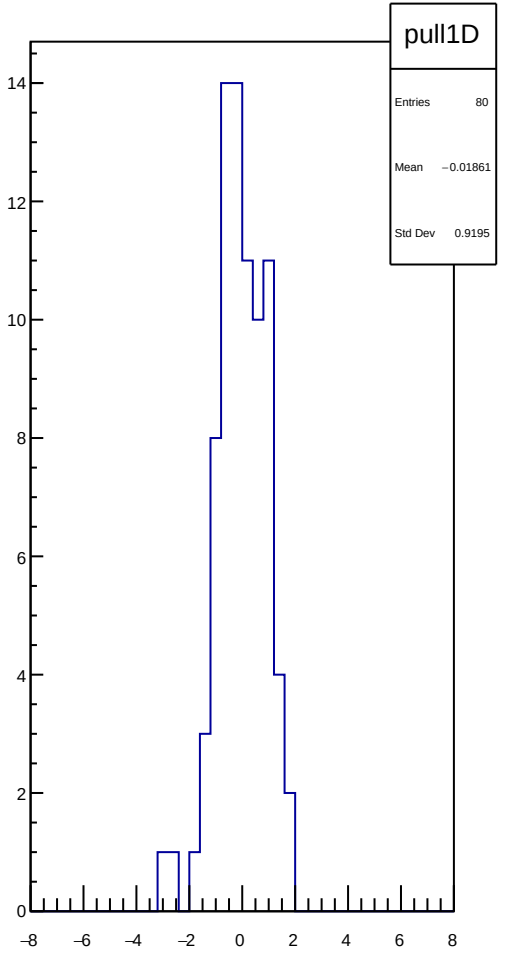

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2469 / 79
p0 639.9 ± 0.5131
740
720
700
680
660
640
620
600
580

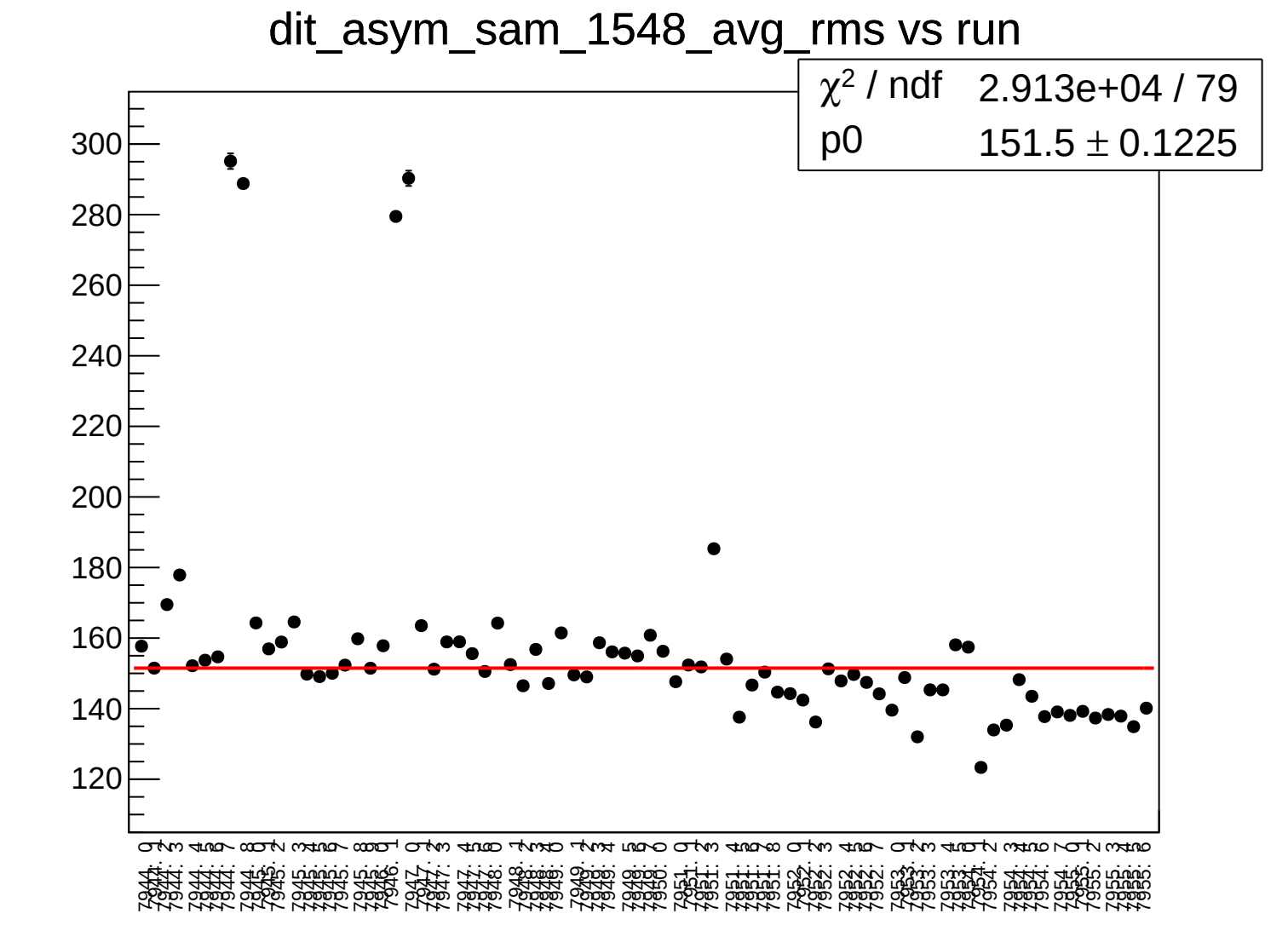

asym_sam_26_48_dd_mean vs run
χ² / ndf 74.33 / 79
p0 −1230 ± 706.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −191.5
Std Dev 230.4
2
1
0
−1
−2
−3

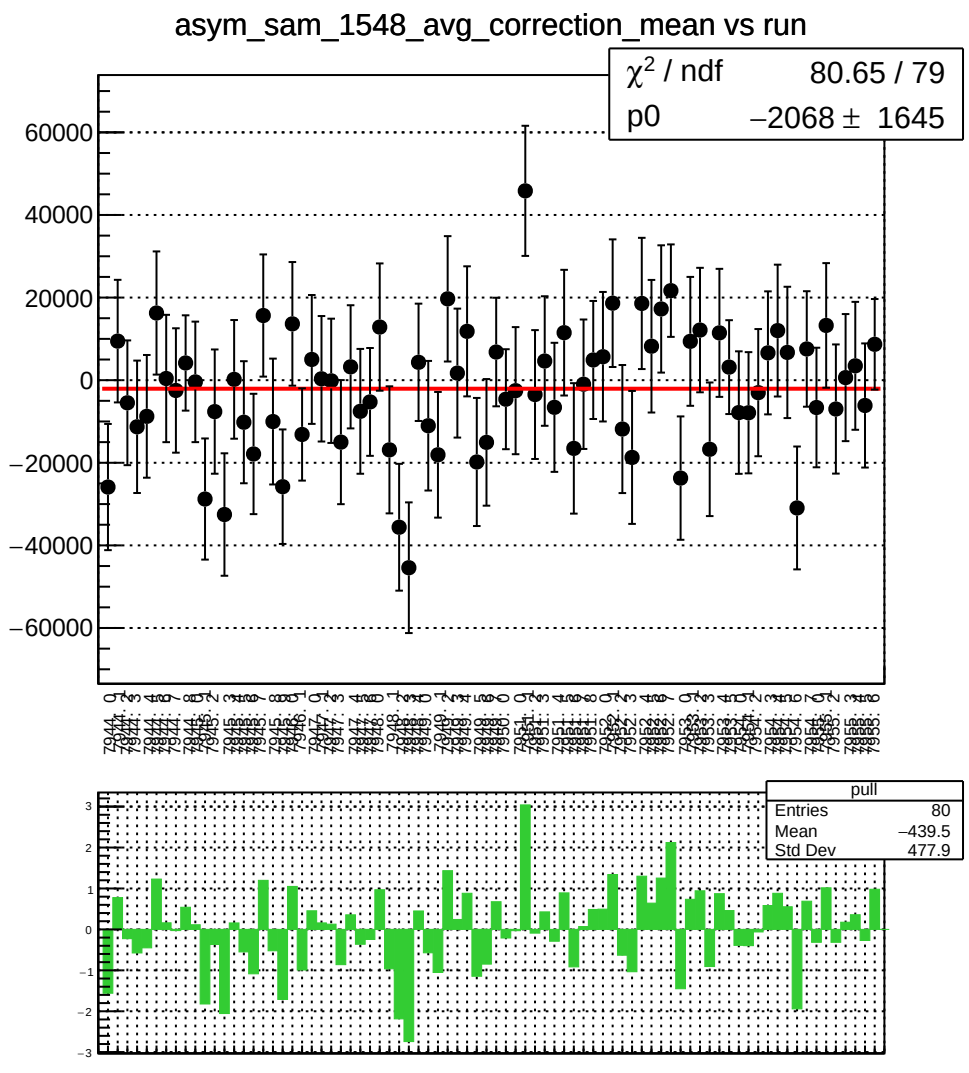

pull1D
Entries 80
Mean −0.02491
Std Dev 0.9636
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

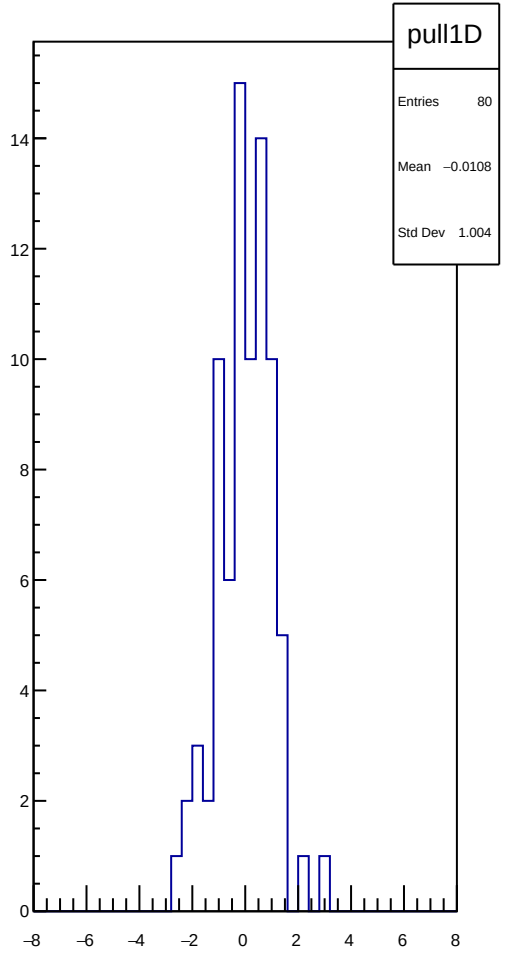

asym_sam_26_48_dd_rms vs run
χ² / ndf 2416 / 79
p0 623.1 ± 0.4996
700
680
660
640
620
600
580
560

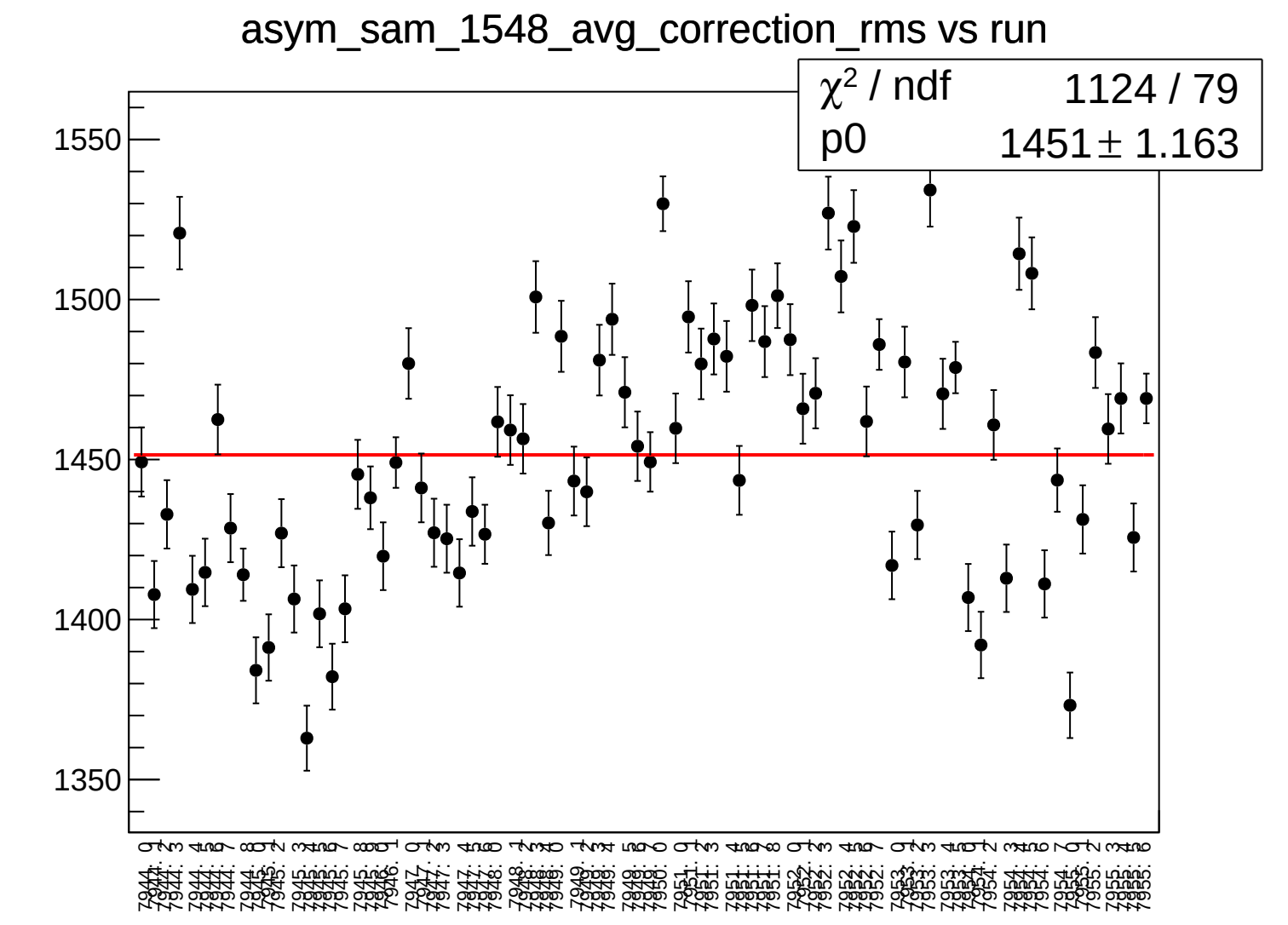

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 67.67 / 79
p0 151.7 ± 173.3
pull
Entries 80
Mean 42.32
Std Dev 39.2

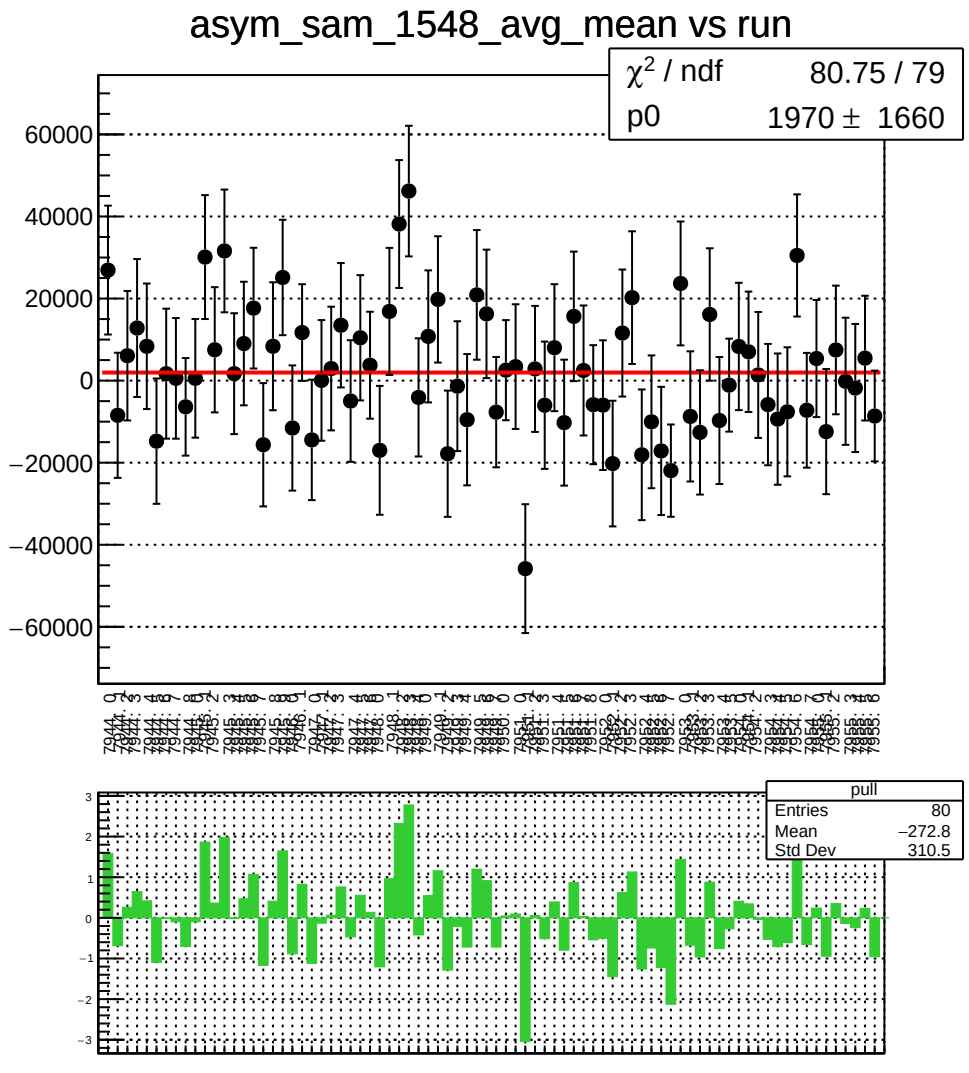

pull1D
Entries 80
Mean −0.01861
Std Dev 0.9195

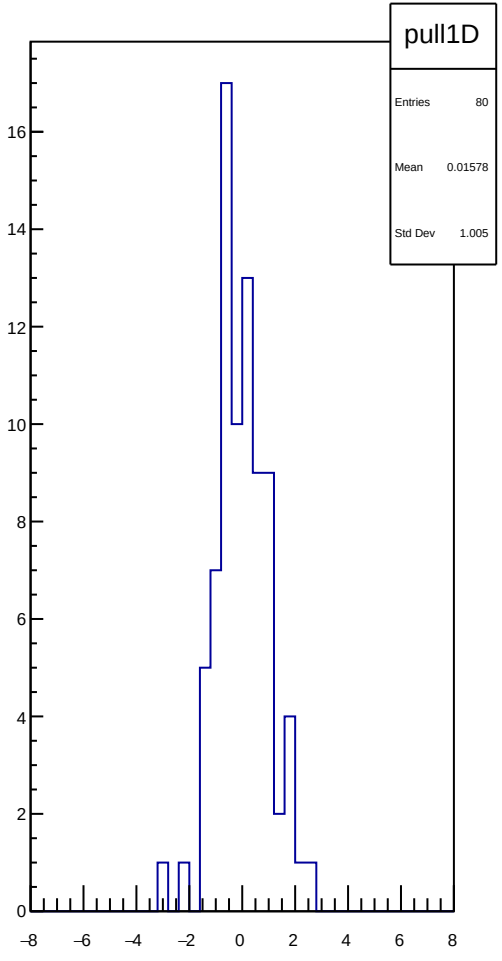

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.913e+04 / 79
p0 151.5 ± 0.1225
300
280
260
240
220
200
180
160
140
120

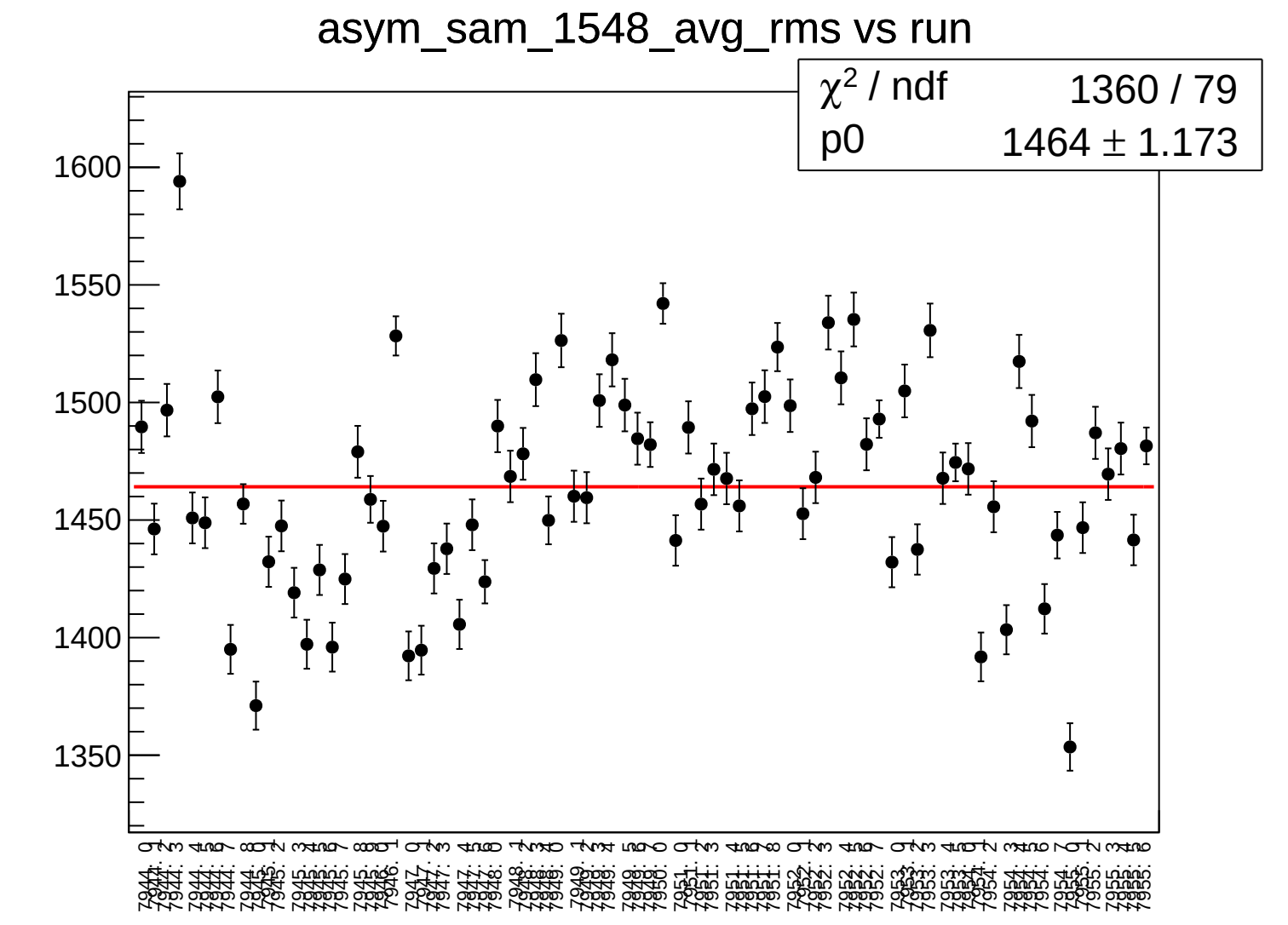

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 80.65 / 79
p0 −2068 ± 1645
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −439.5
Std Dev 477.9
3
2
1
0
−1
−2
−3

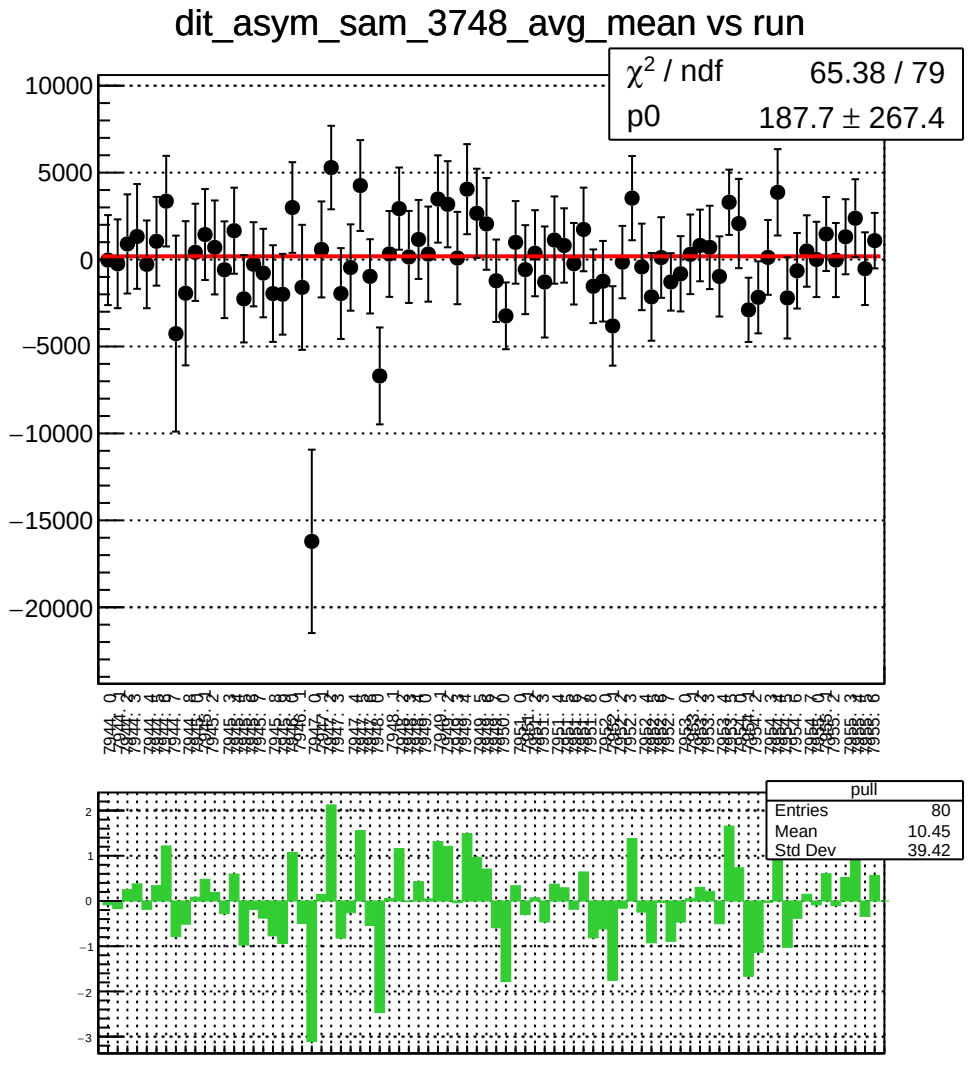

pull1D
Entries 80
Mean −0.0108
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

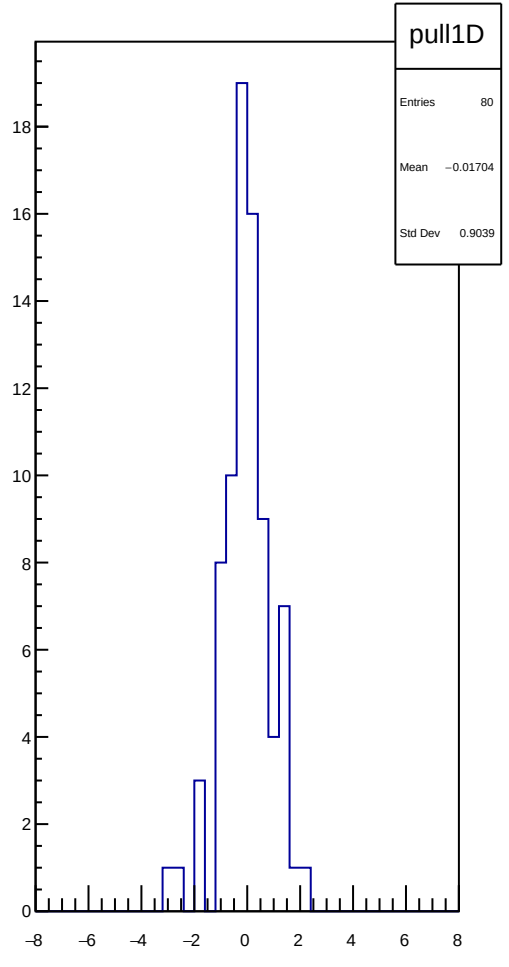

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1124 / 79
p0 1451 ± 1.163
1550
1500
1450
1400
1350

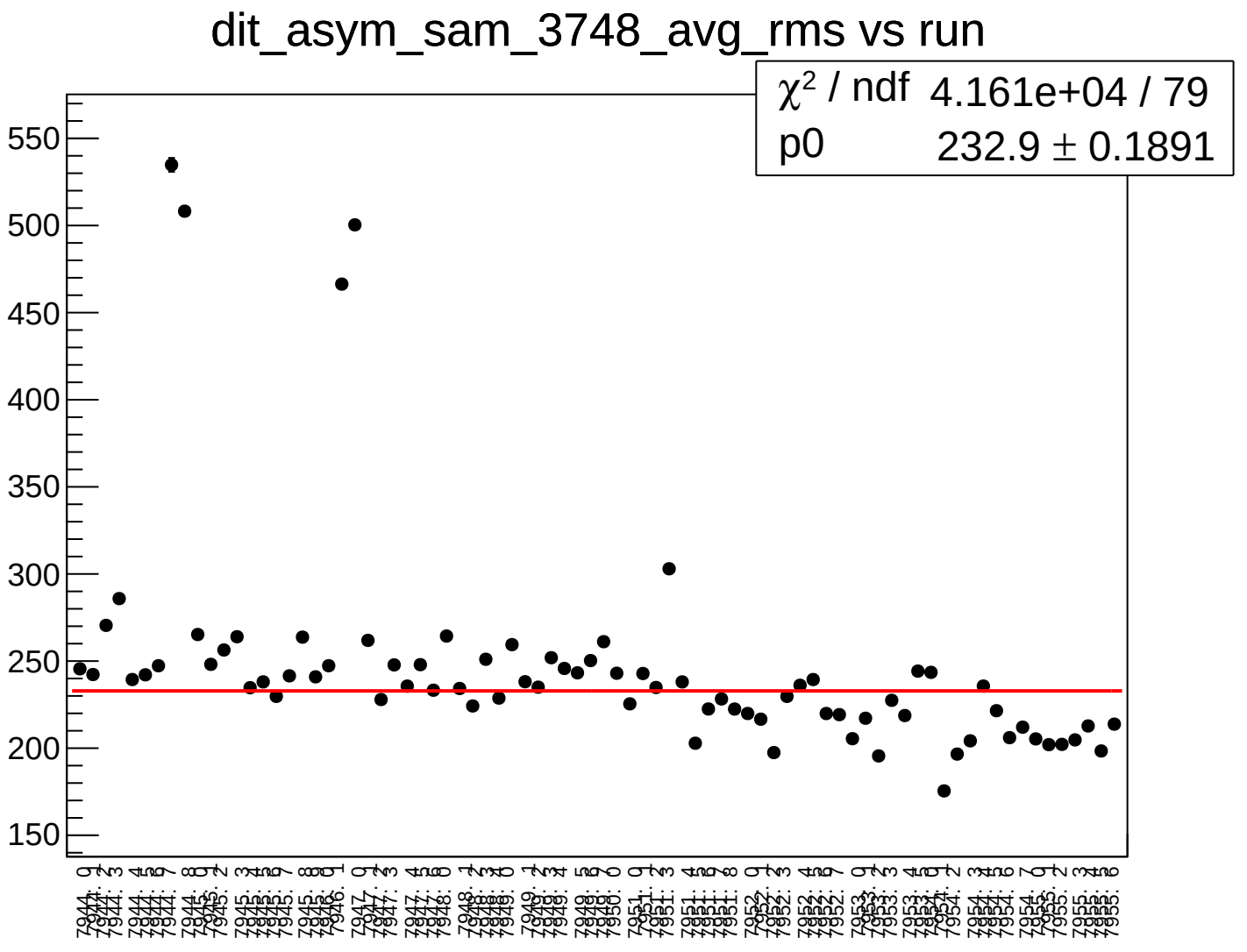

asym_sam_1548_avg_mean vs run
χ² / ndf 80.75 / 79
p0 1970 ± 1660
pull
Entries 80
Mean −272.8
Std Dev 310.5

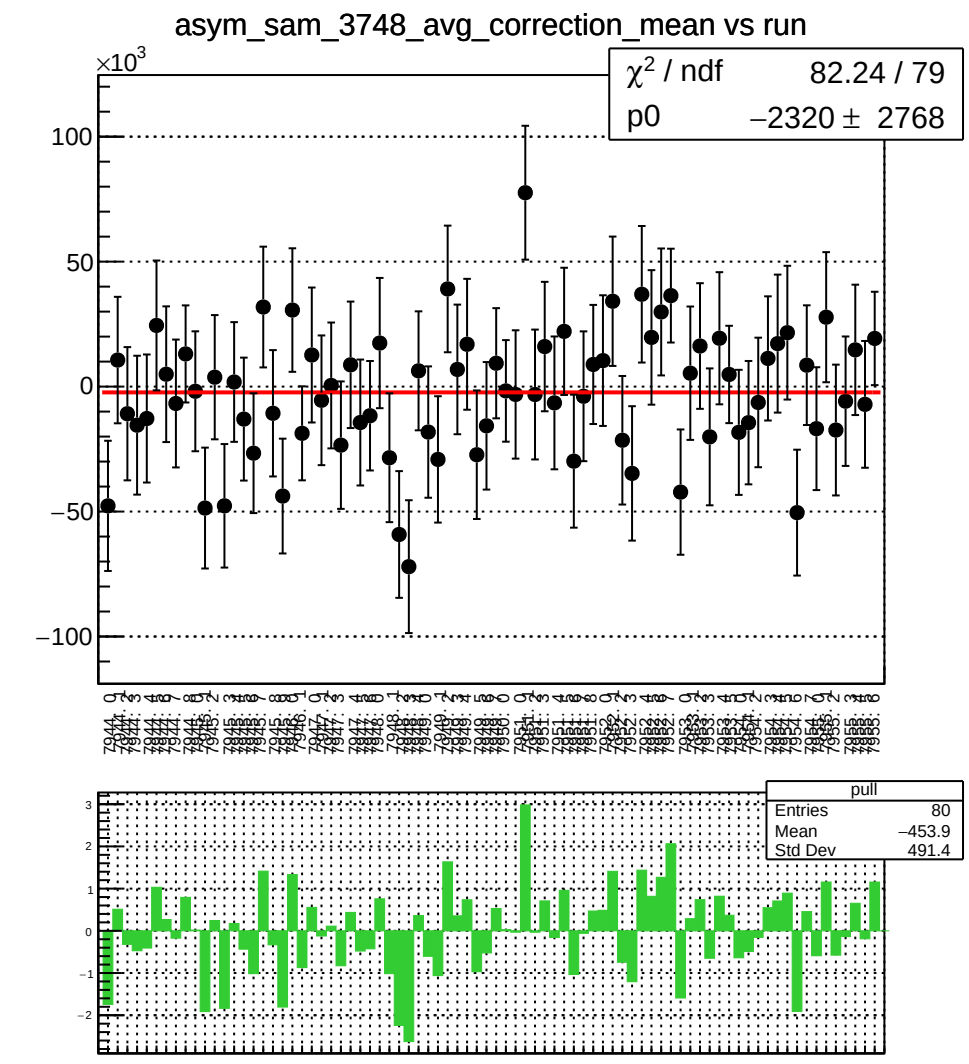

pull1D
Entries 80
Mean 0.01578
Std Dev 1.005

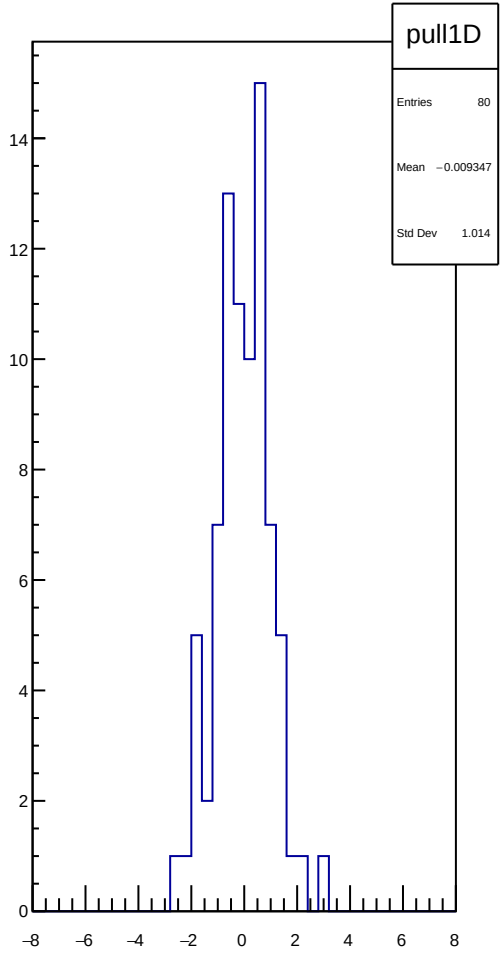

asym_sam_1548_avg_rms vs run
χ² / ndf 1360 / 79
p0 1464 ± 1.173
1600
1550
1500
1450
1400
1350

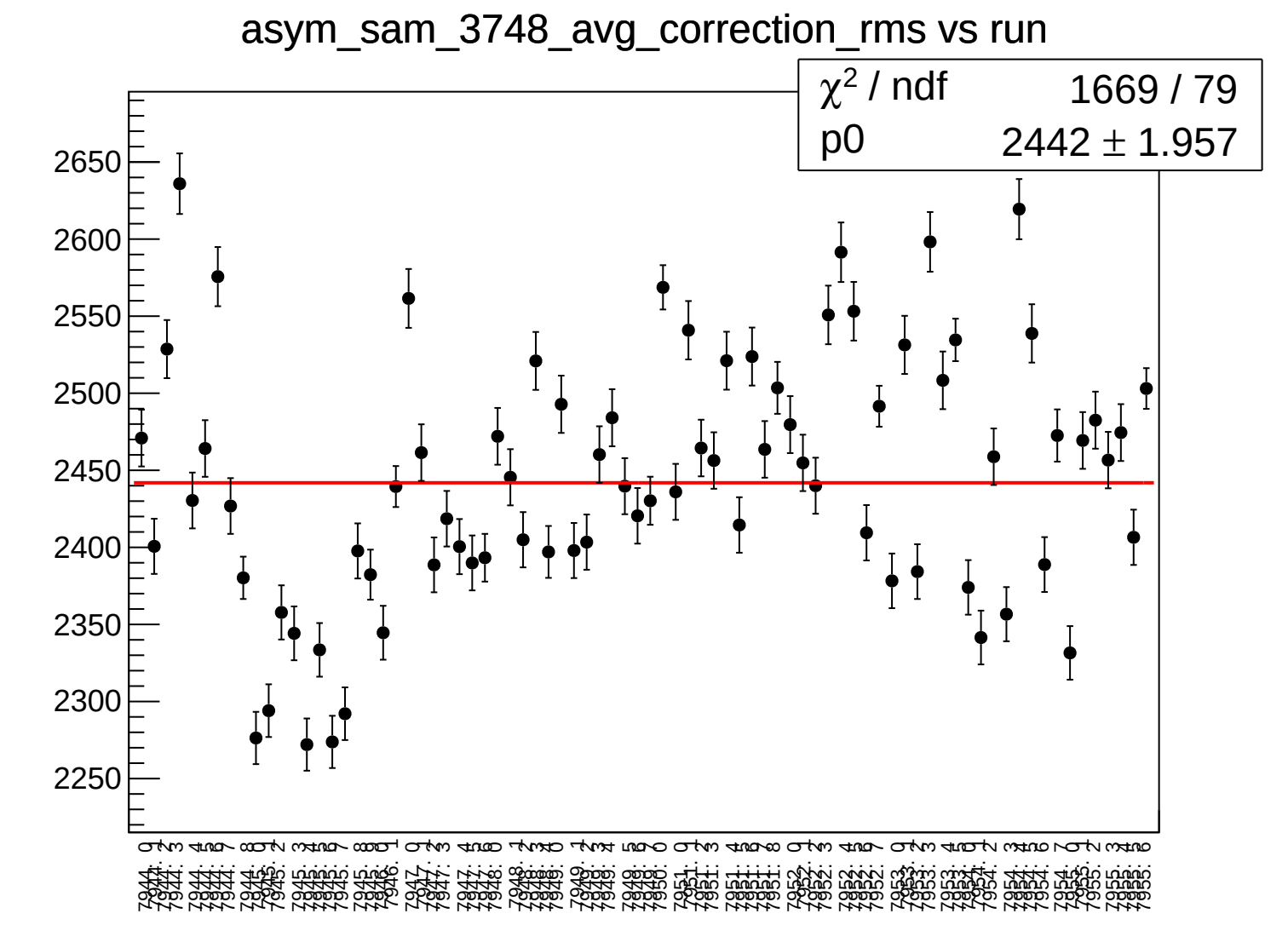

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 65.38 / 79
p0 187.7 ± 267.4
pull
Entries 80
Mean 10.45
Std Dev 39.42

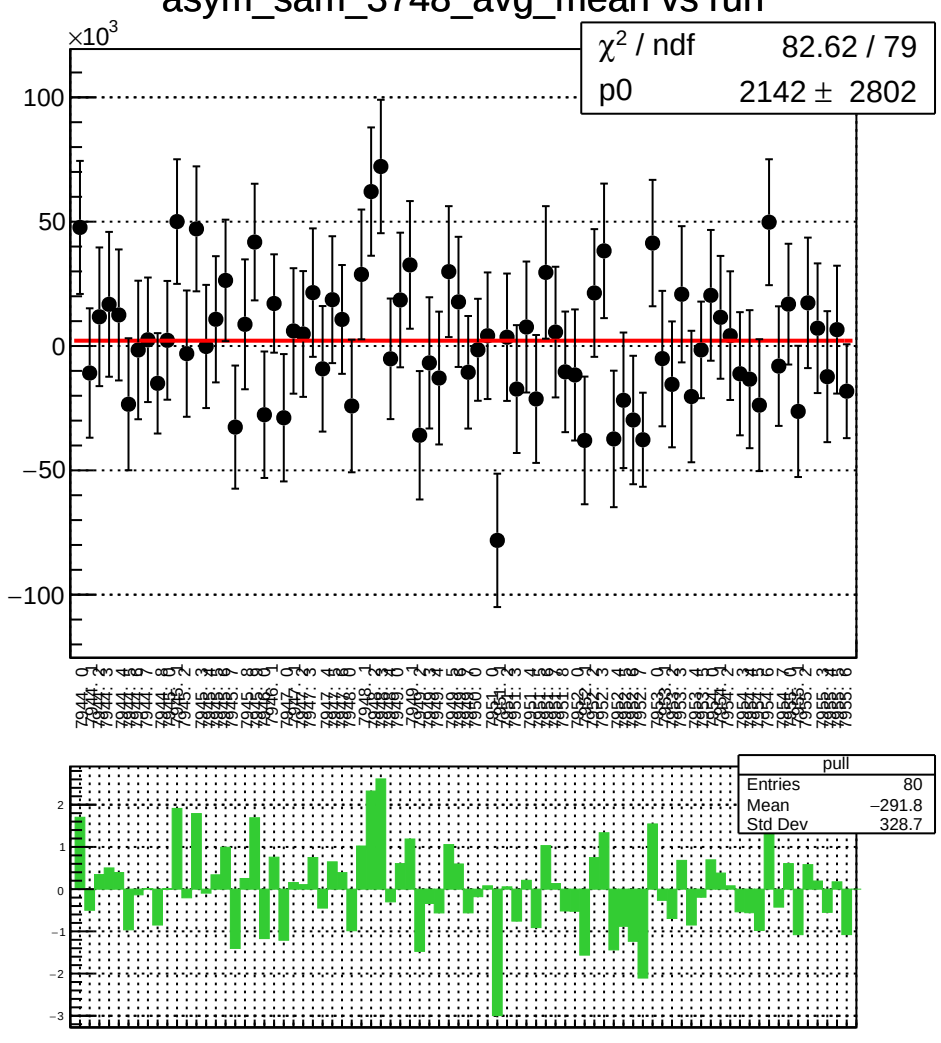

pull1D
Entries 80
Mean −0.01704
Std Dev 0.9039

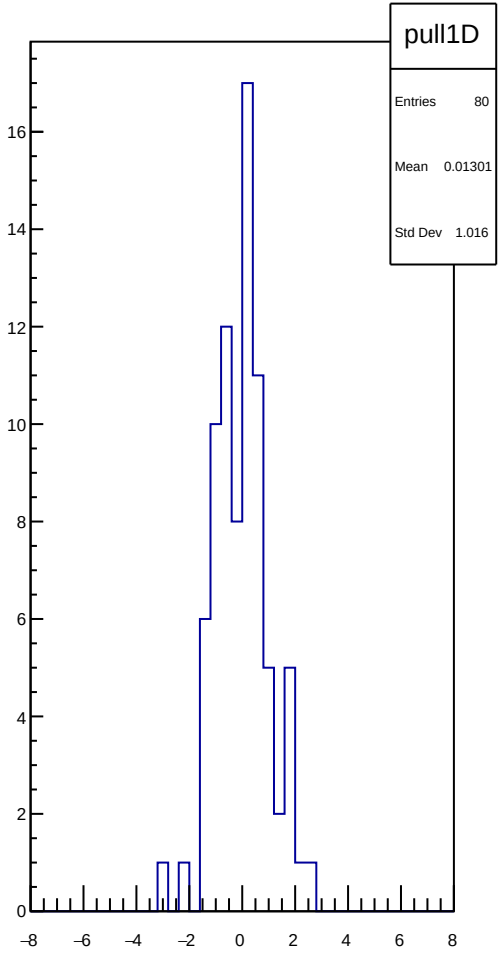

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.161e+04 / 79
p0 232.9 ± 0.1891
550
500
450
400
350
300
250
200
150

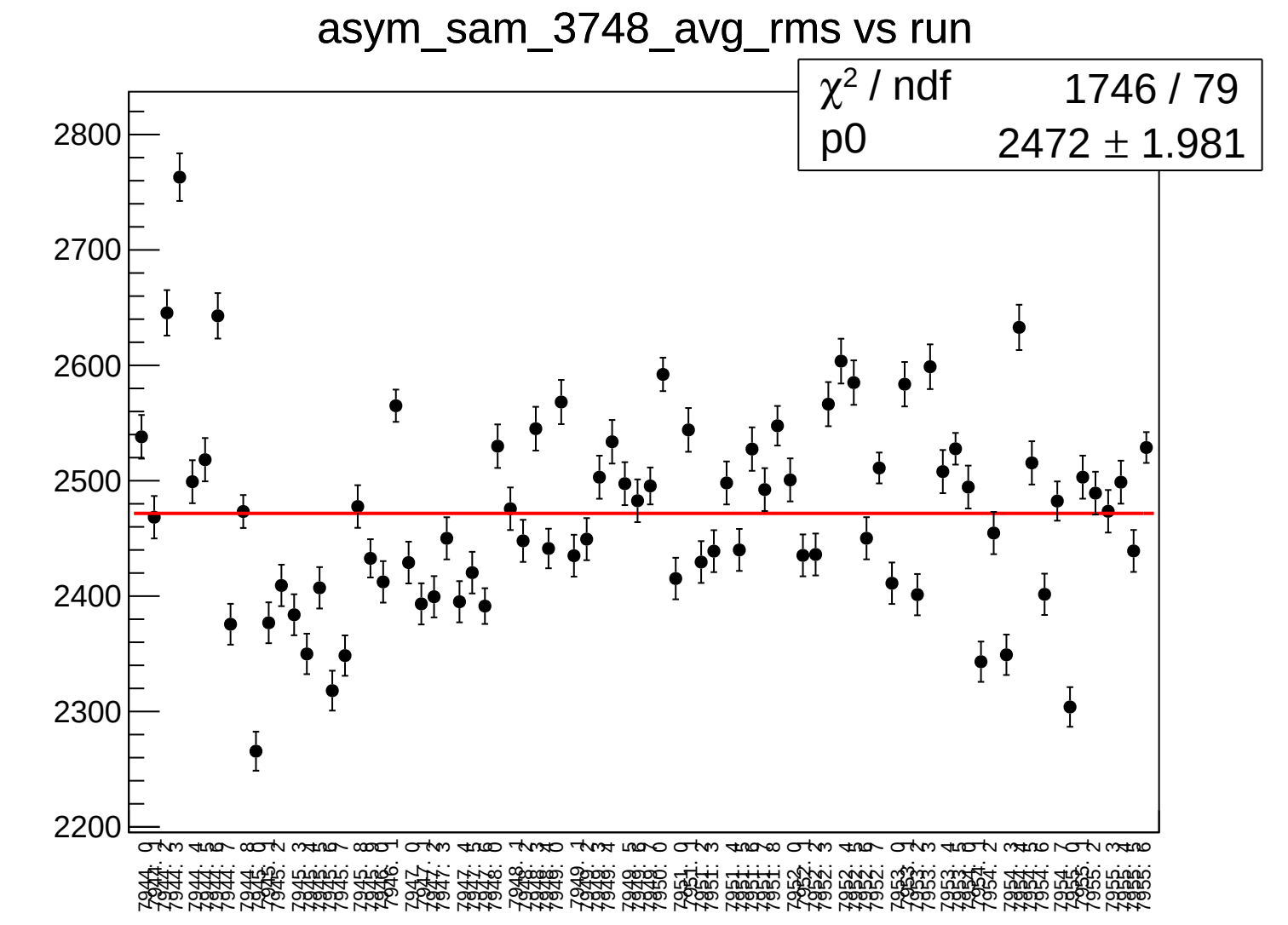

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 82.24 / 79
p0 −2320 ± 2768
100
50
0
−50
−100
pull
Entries 80
Mean −453.9
Std Dev 491.4
3
2
1
0
−1
−2

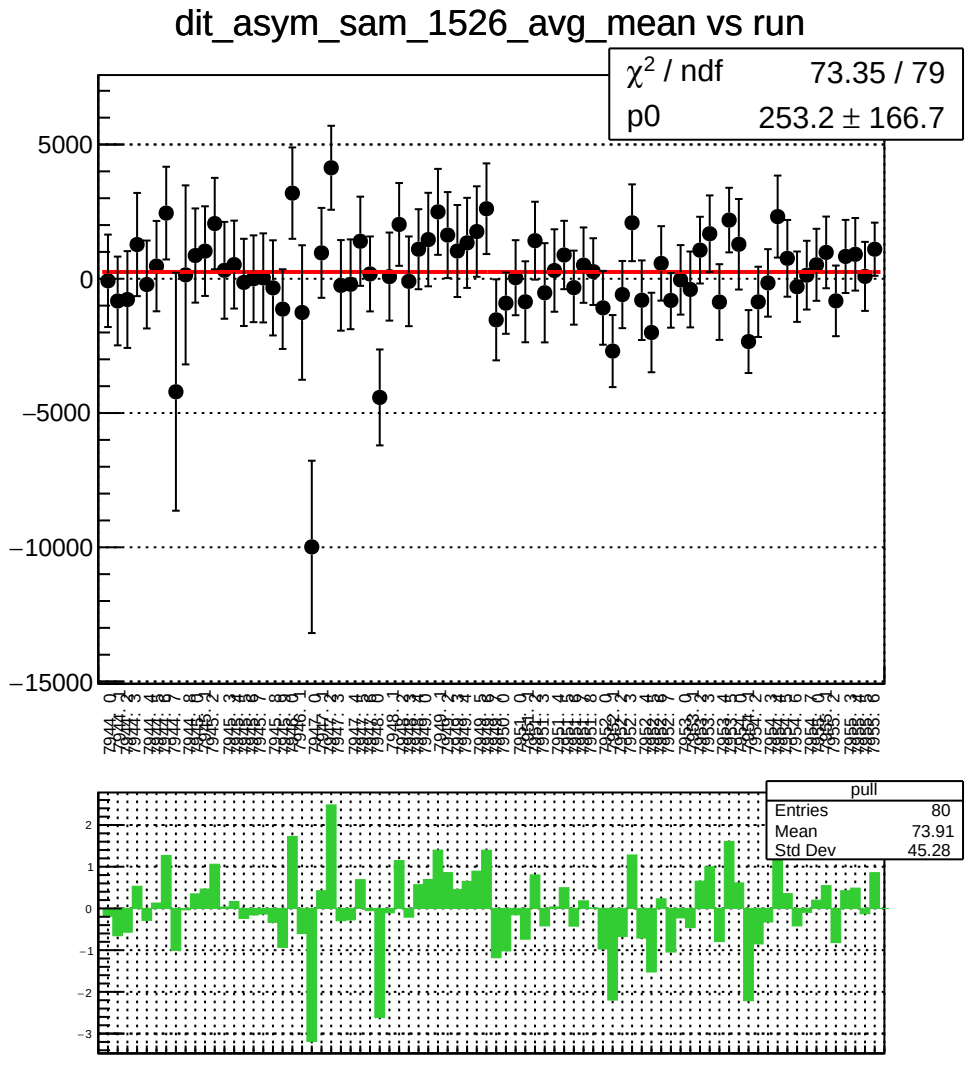

pull1D
Entries 80
Mean −0.009347
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

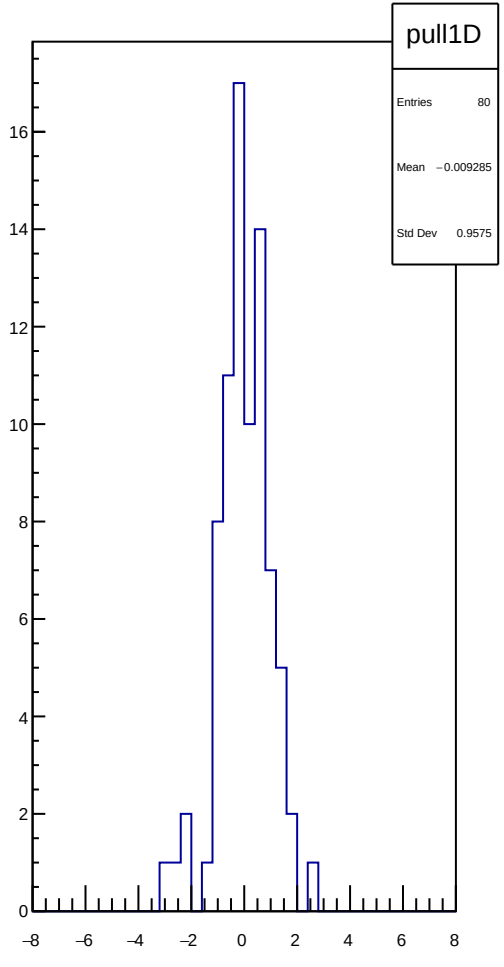

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1669 / 79
p0 2442 ± 1.957
2650
2600
2550
2500
2450
2400
2350
2300
2250

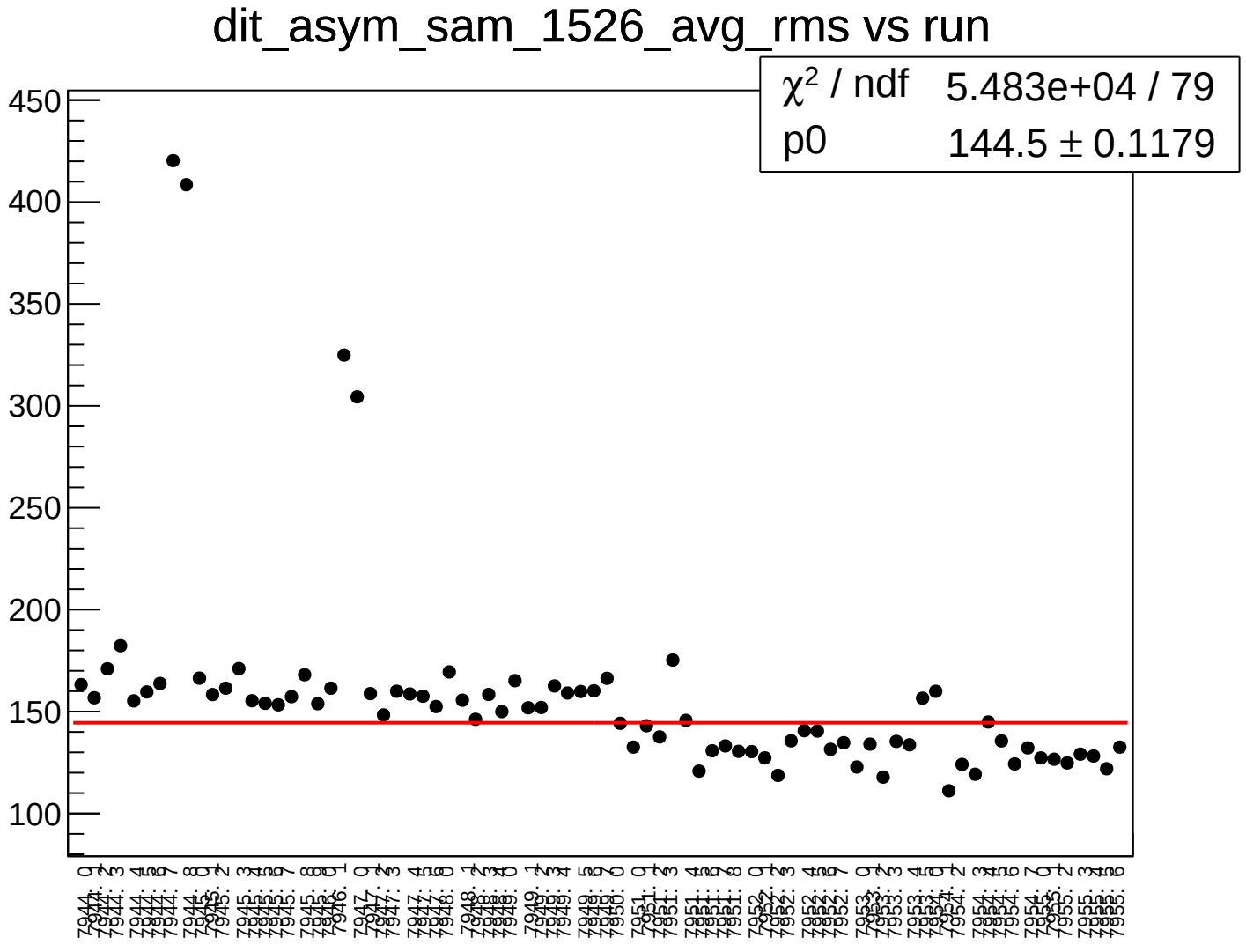

asym_sam_3748_avg_mean vs run
×10^3
χ^2 / ndf 82.62 / 79
p0 2142 ± 2802
100
50
0
−50
−100
pull
Entries 80
Mean −291.8
Std Dev 328.7
2
1
0
−1
−2
−3

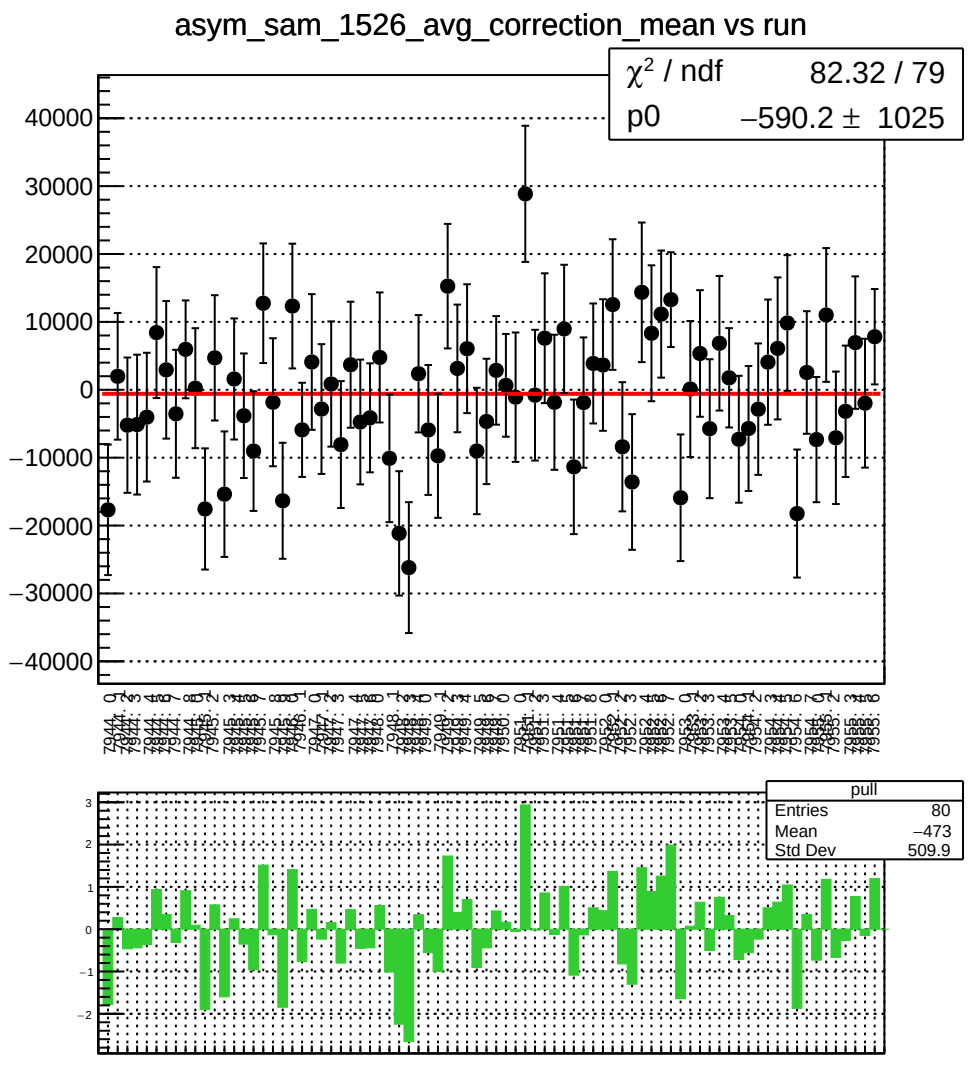

pull1D
Entries 80
Mean 0.01301
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

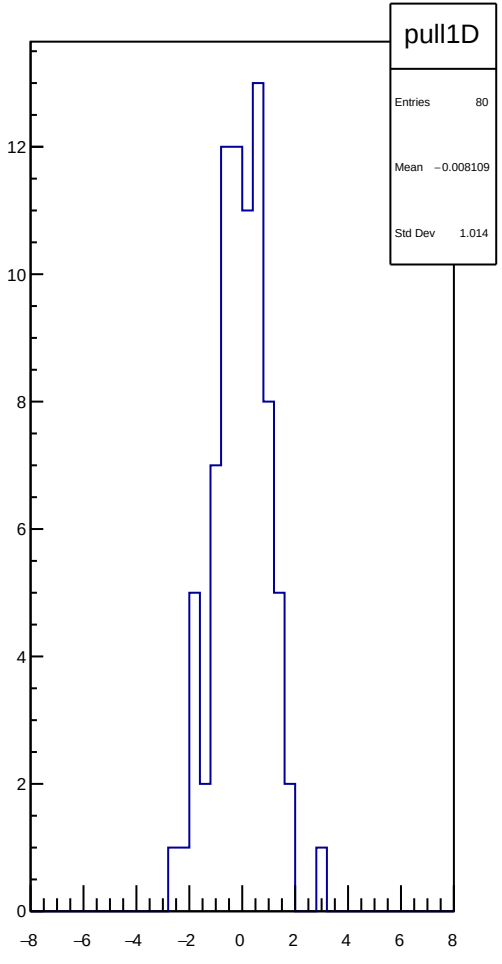

asym_sam_3748_avg_rms vs run
χ² / ndf 1746 / 79
p0 2472 ± 1.981
2800
2700
2600
2500
2400
2300
2200

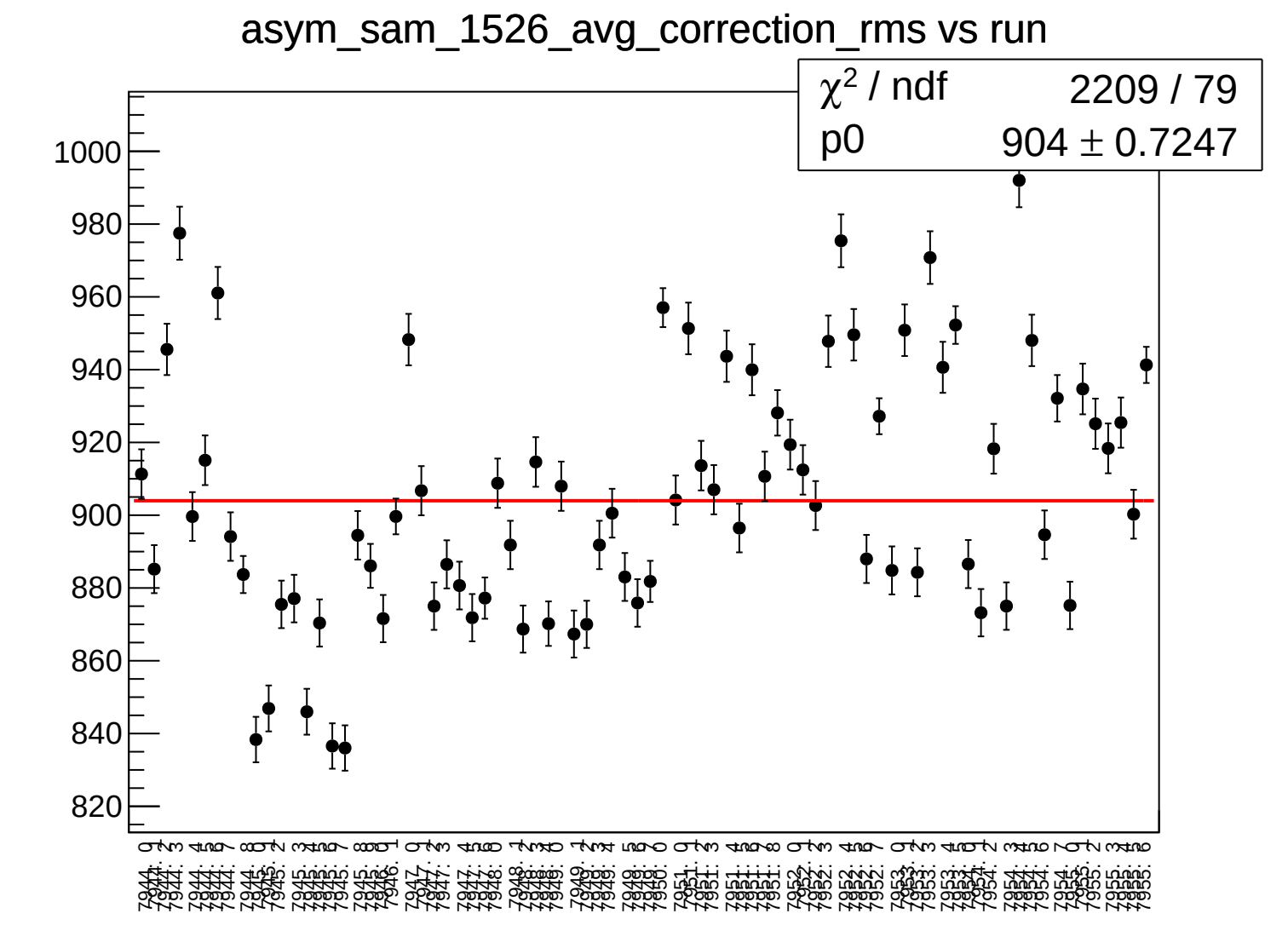

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 73.35 / 79
p0 253.2 ± 166.7
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 73.91
Std Dev 45.28
2
1
0
−1
−2
−3

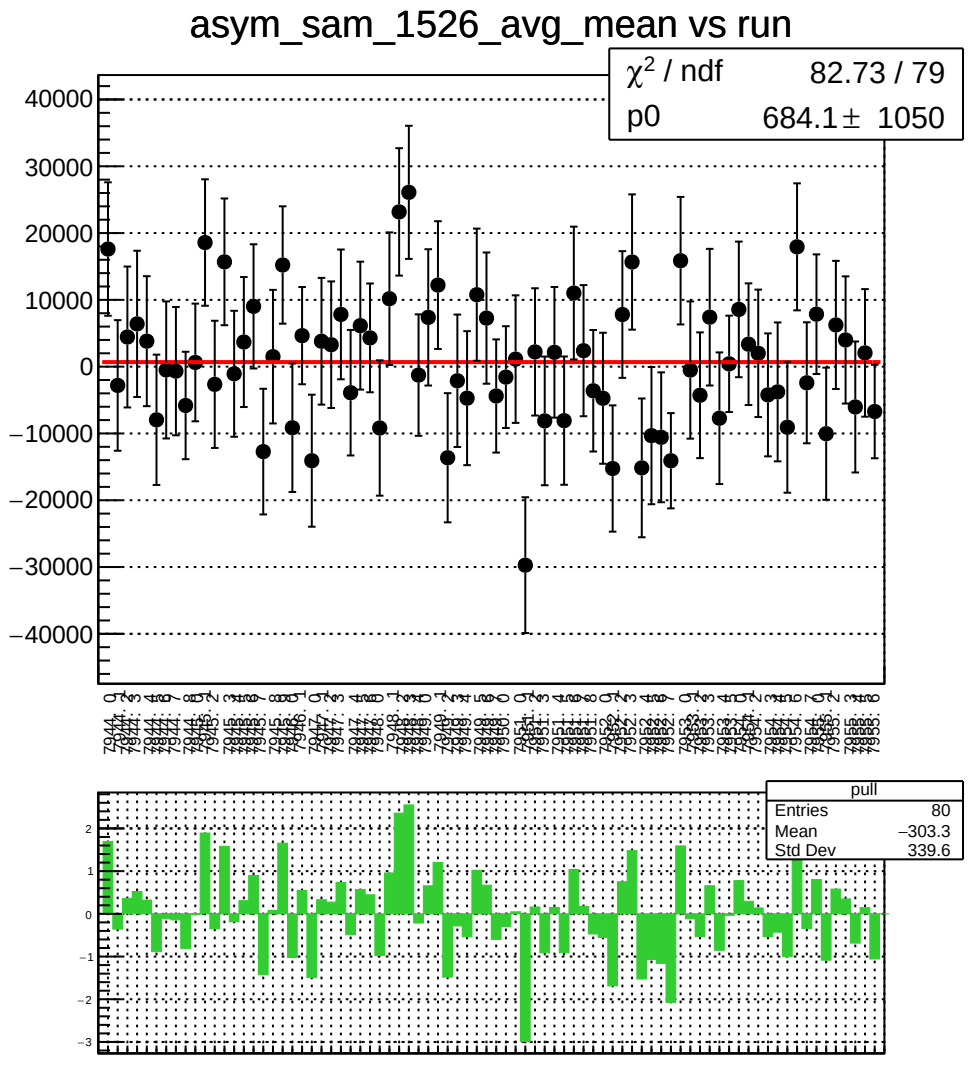

pull1D
Entries 80
Mean −0.009285
Std Dev 0.9575
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

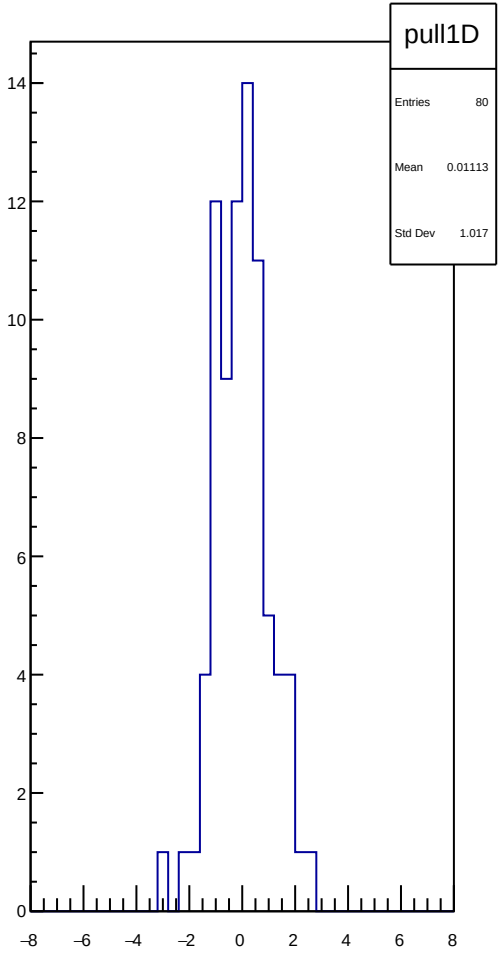

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 5.483e+04 / 79
p0 144.5 ± 0.1179
450
400
350
300
250
200
150
100

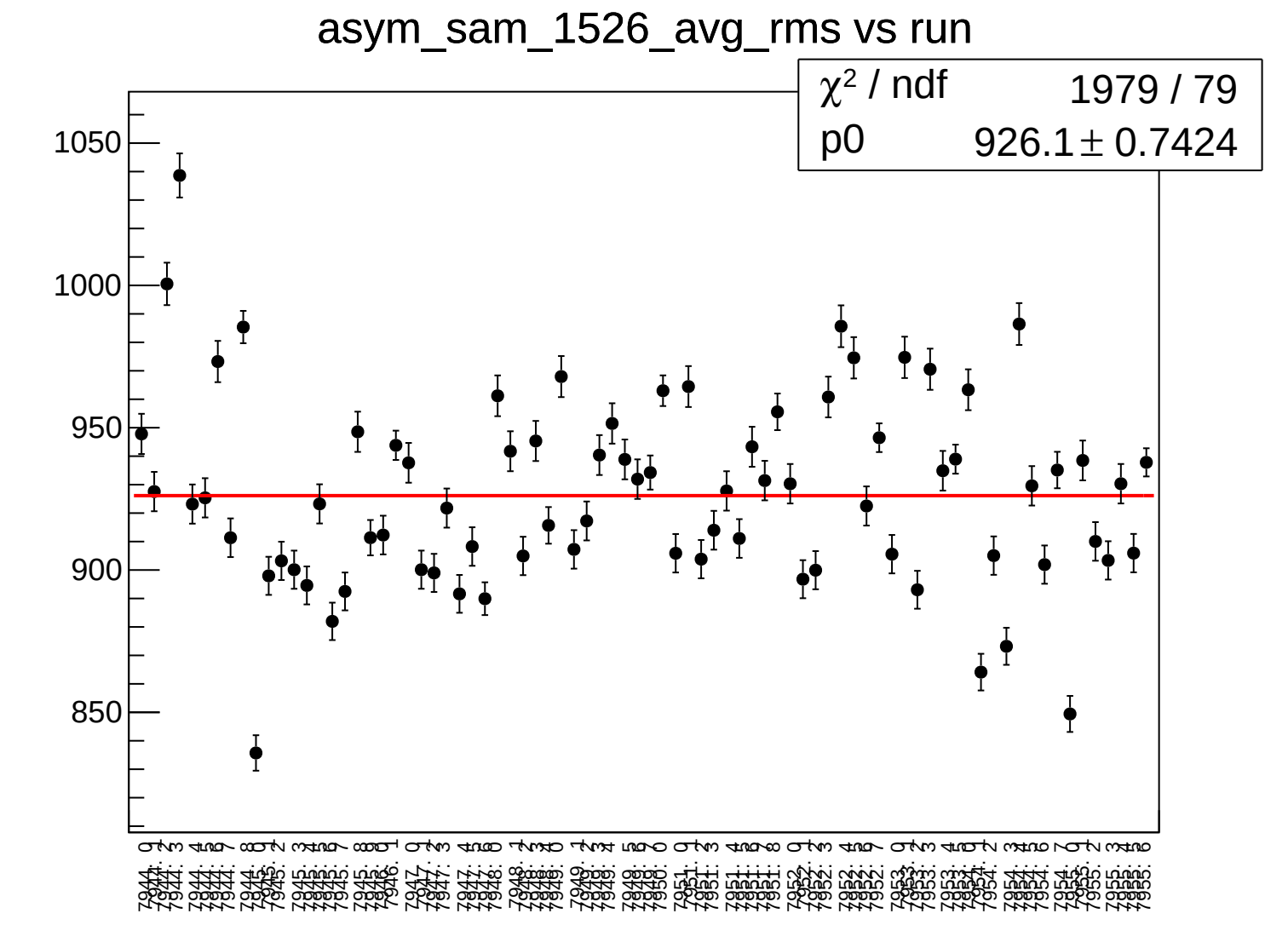

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 82.32 / 79
p0 −590.2 ± 1025
pull
Entries 80
Mean −473
Std Dev 509.9

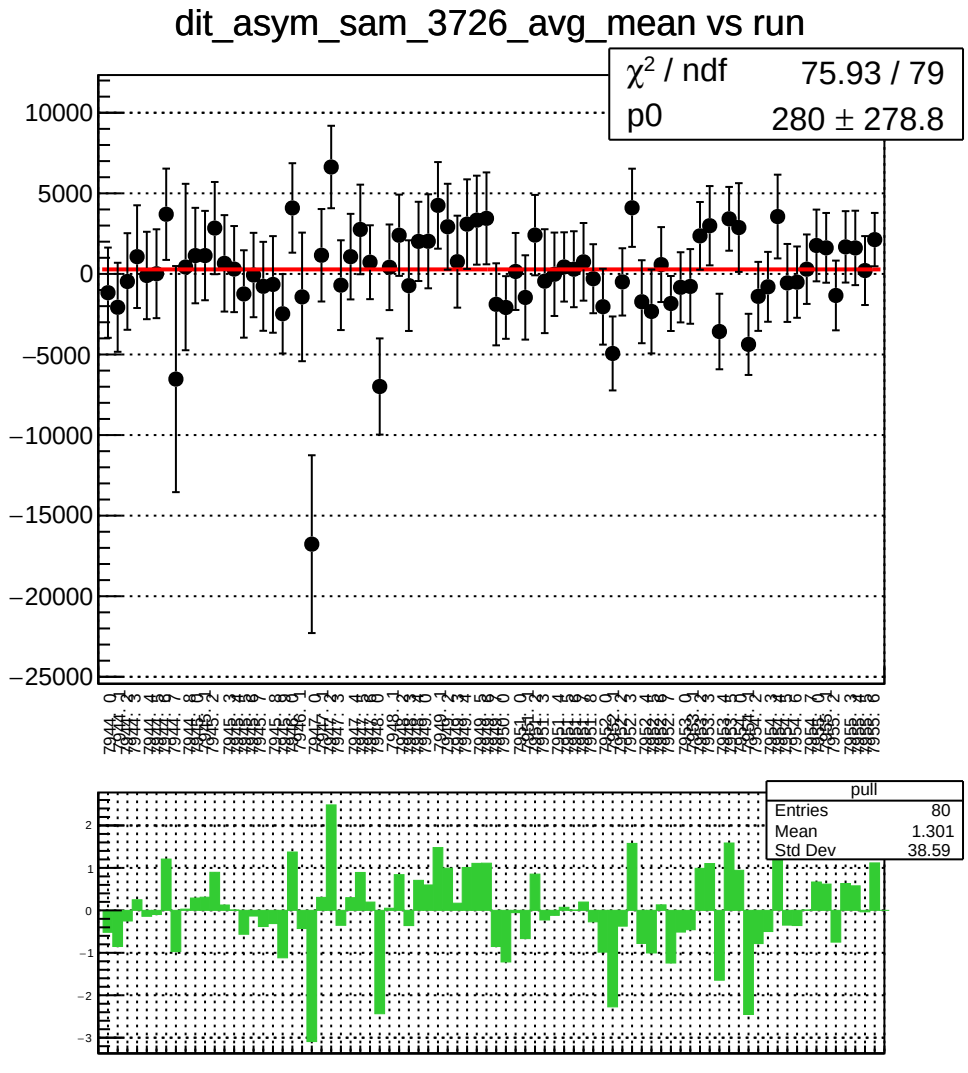

pull1D
Entries 80
Mean −0.008109
Std Dev 1.014

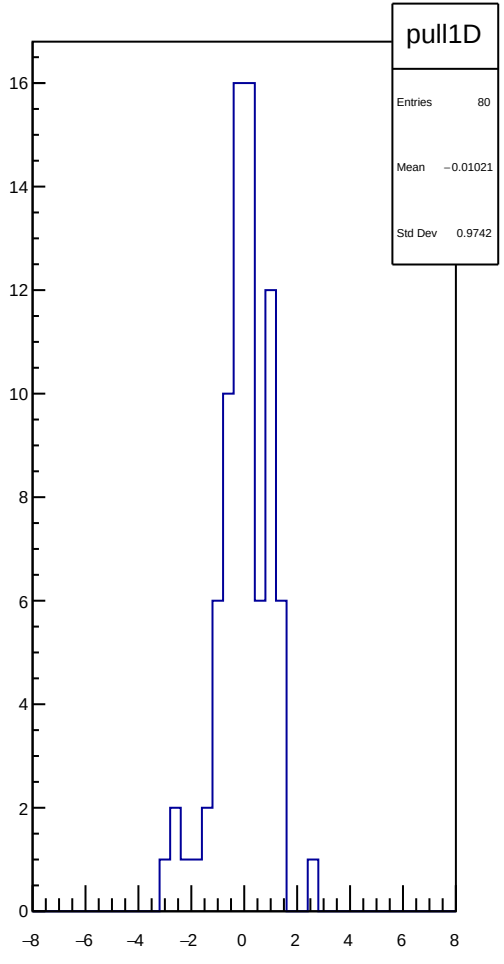

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2209 / 79
p0 904 ± 0.7247
1000
980
960
940
920
900
880
860
840
820

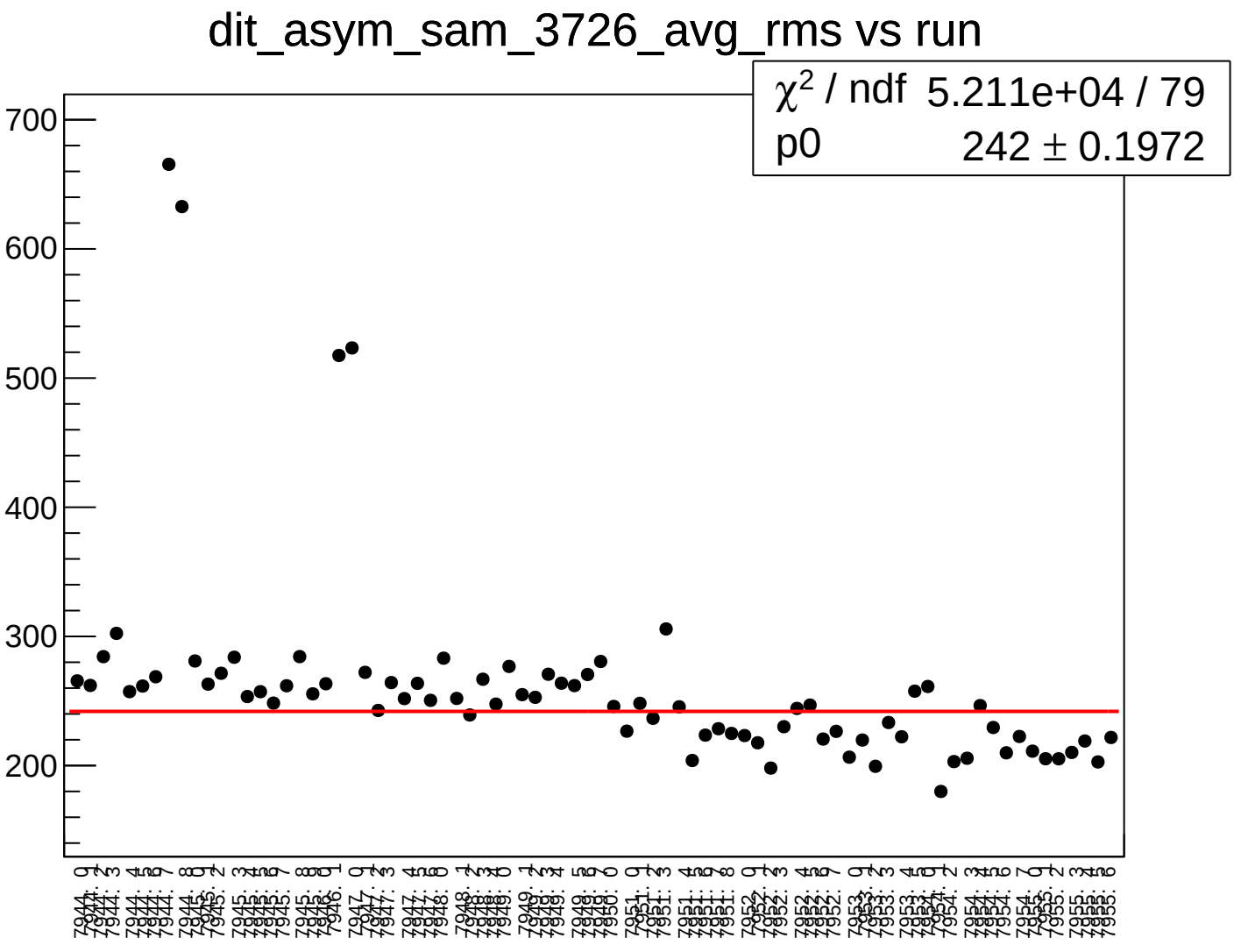

asym_sam_1526_avg_mean vs run
χ² / ndf 82.73 / 79
p0 684.1 ± 1050
pull
Entries 80
Mean −303.3
Std Dev 339.6

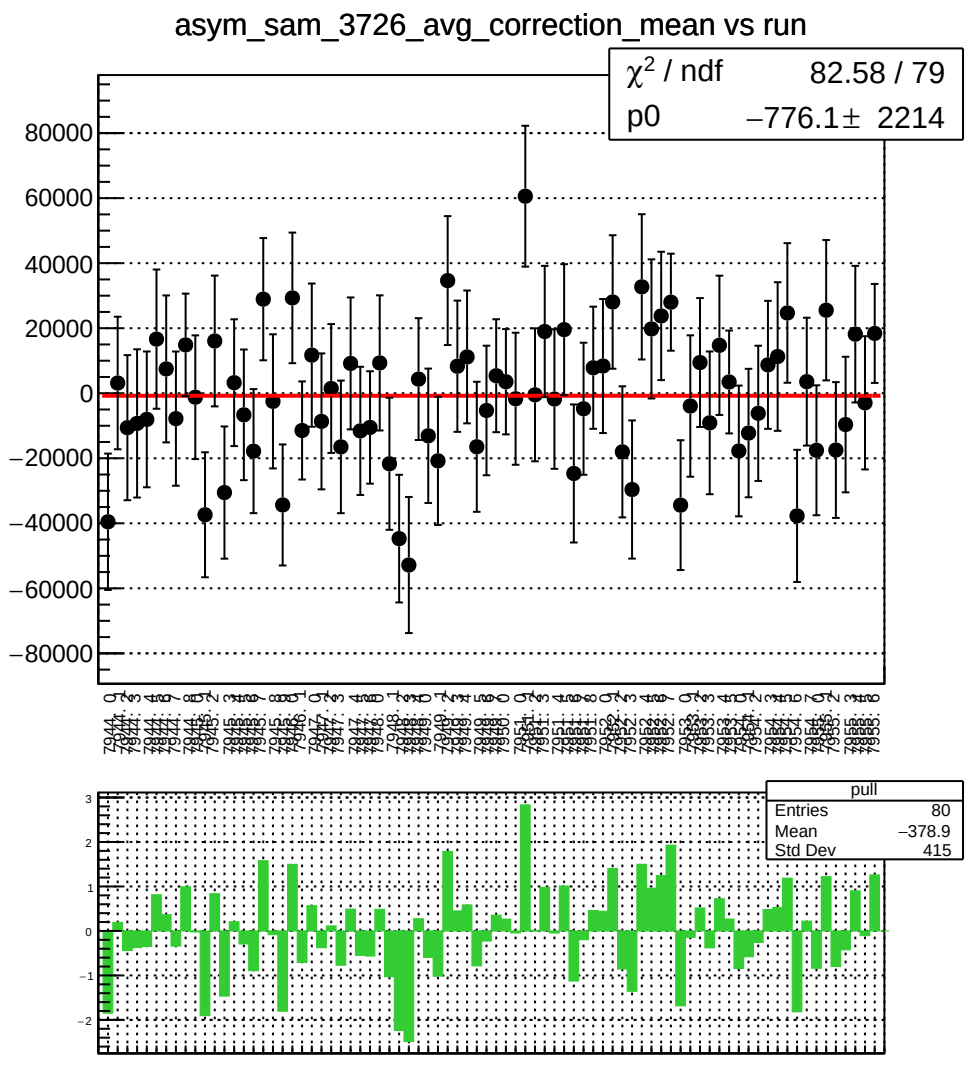

pull1D
Entries 80
Mean 0.01113
Std Dev 1.017

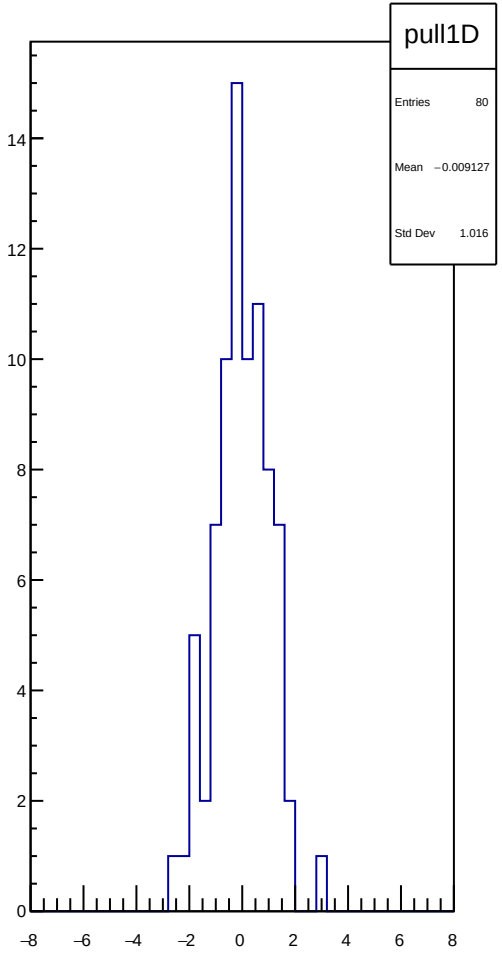

asym_sam_1526_avg_rms vs run
χ² / ndf 1979 / 79
p0 926.1 ± 0.7424
1050
1000
950
900
850

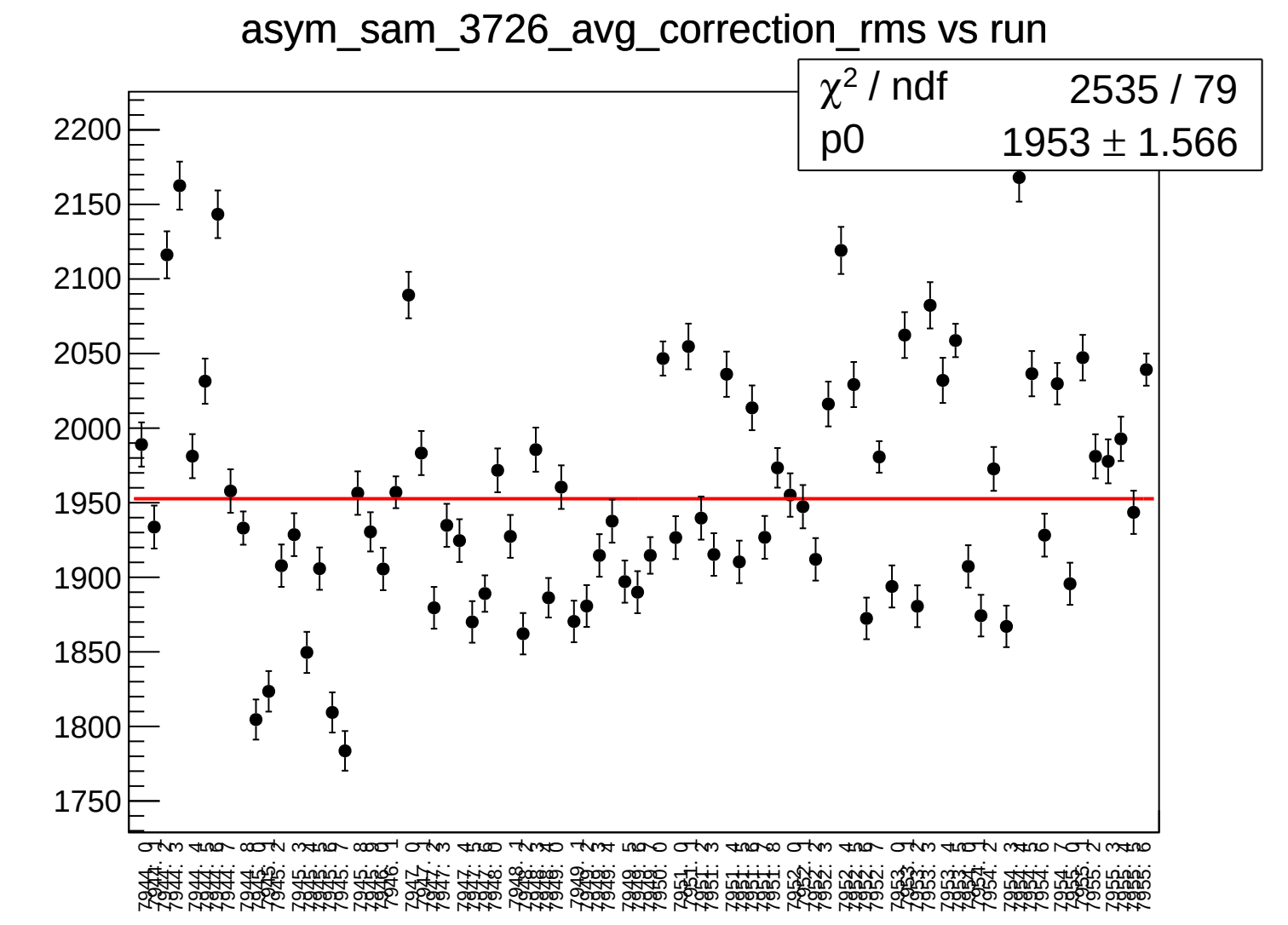

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 75.93 / 79
p0 280 ± 278.8
pull
Entries 80
Mean 1.301
Std Dev 38.59

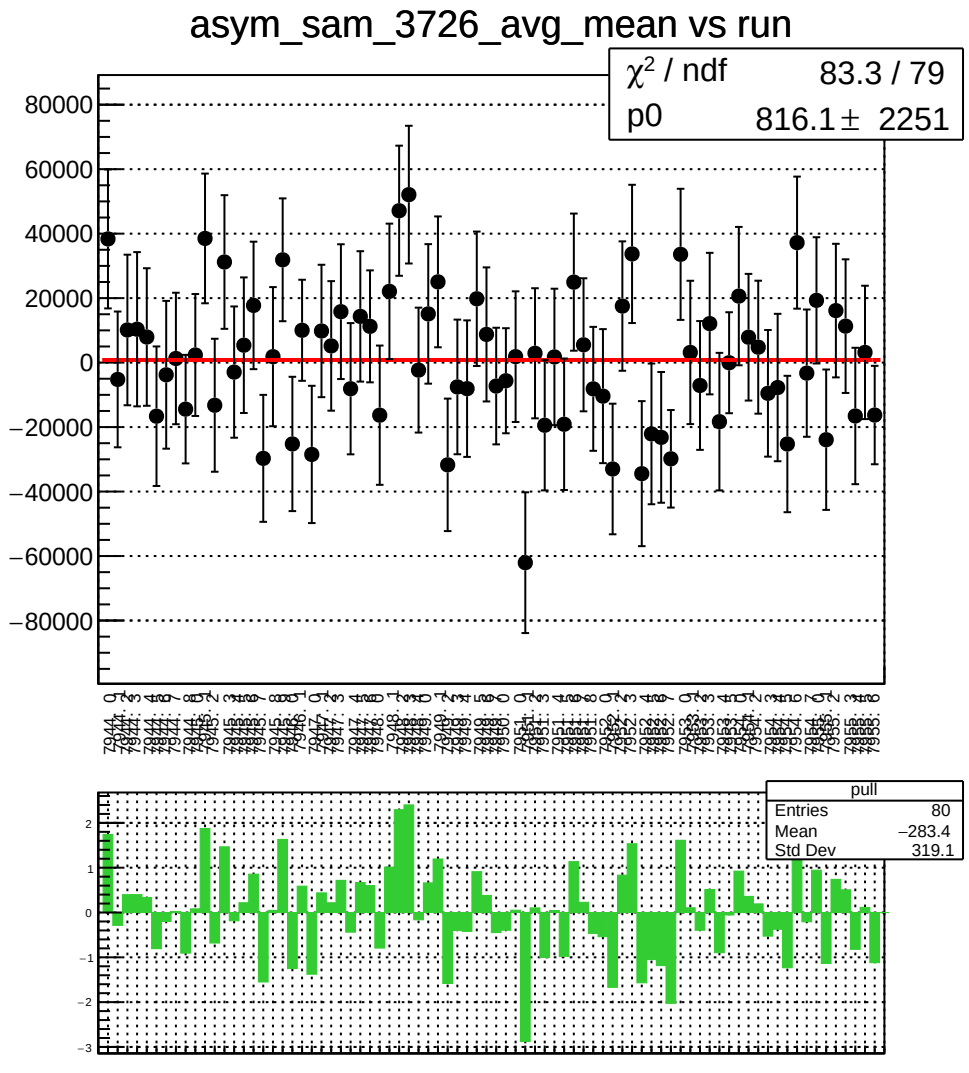

pull1D
Entries 80
Mean −0.01021
Std Dev 0.9742

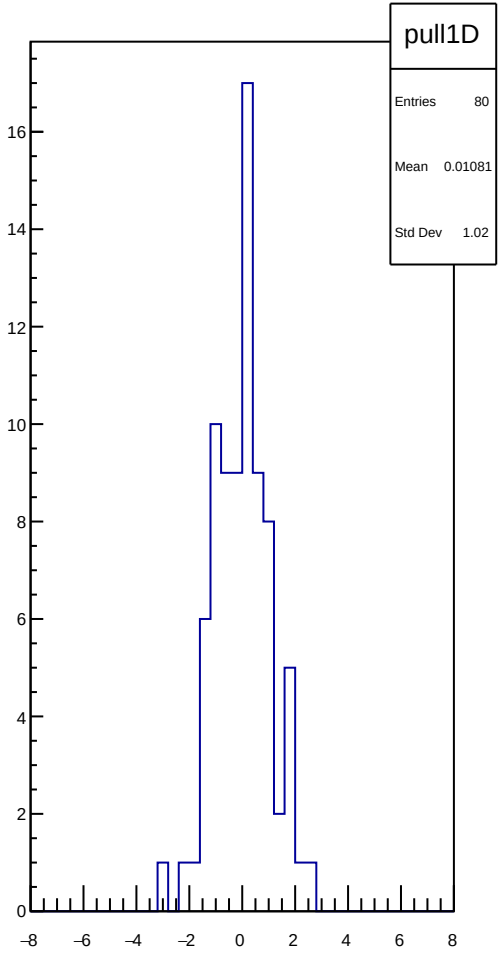

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 5.211e+04 / 79
p0 242 ± 0.1972
700
600
500
400
300
200

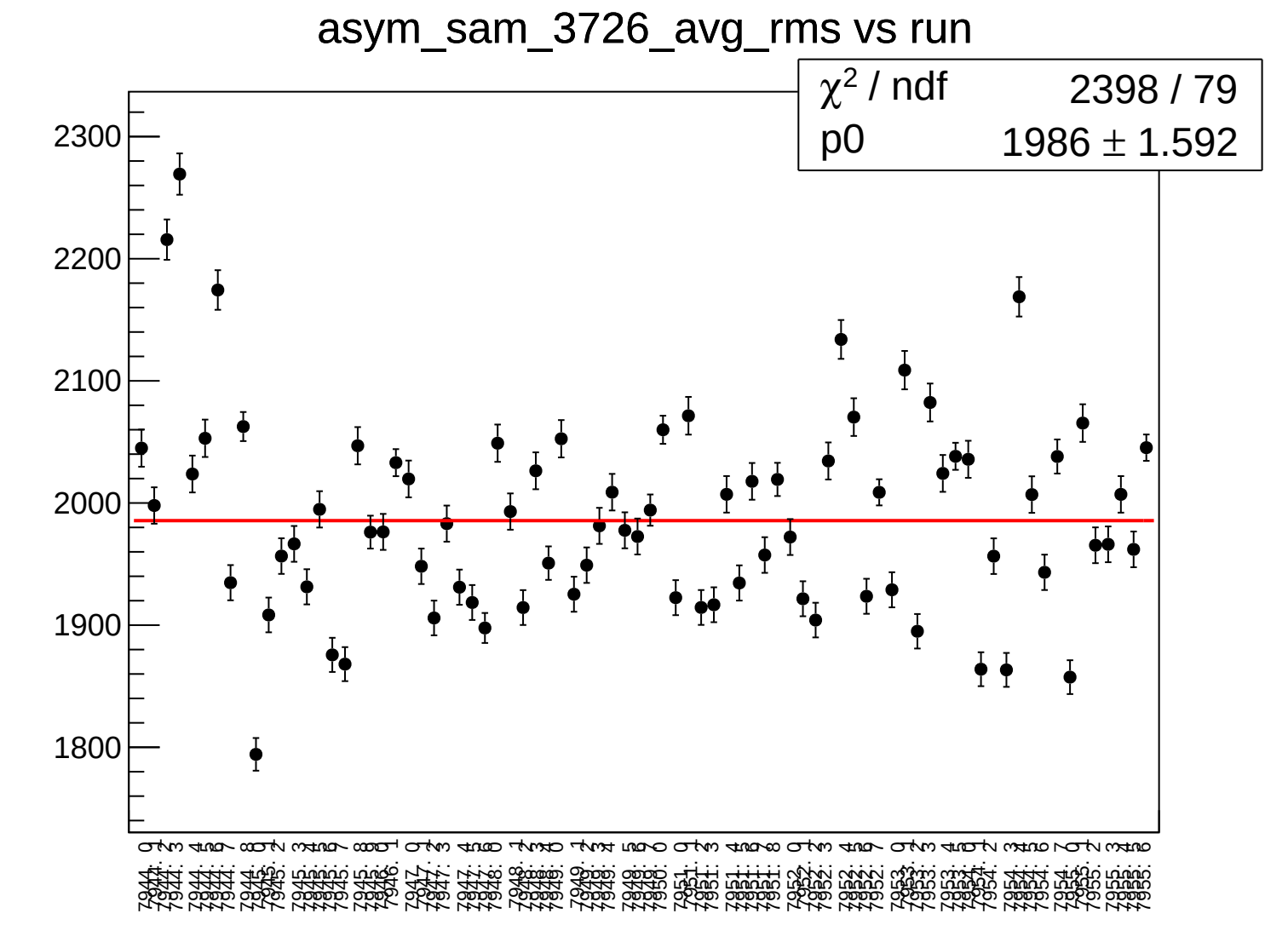

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 82.58 / 79
p0 −776.1± 2214
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −378.9
Std Dev 415
3
2
1
0
−1
−2

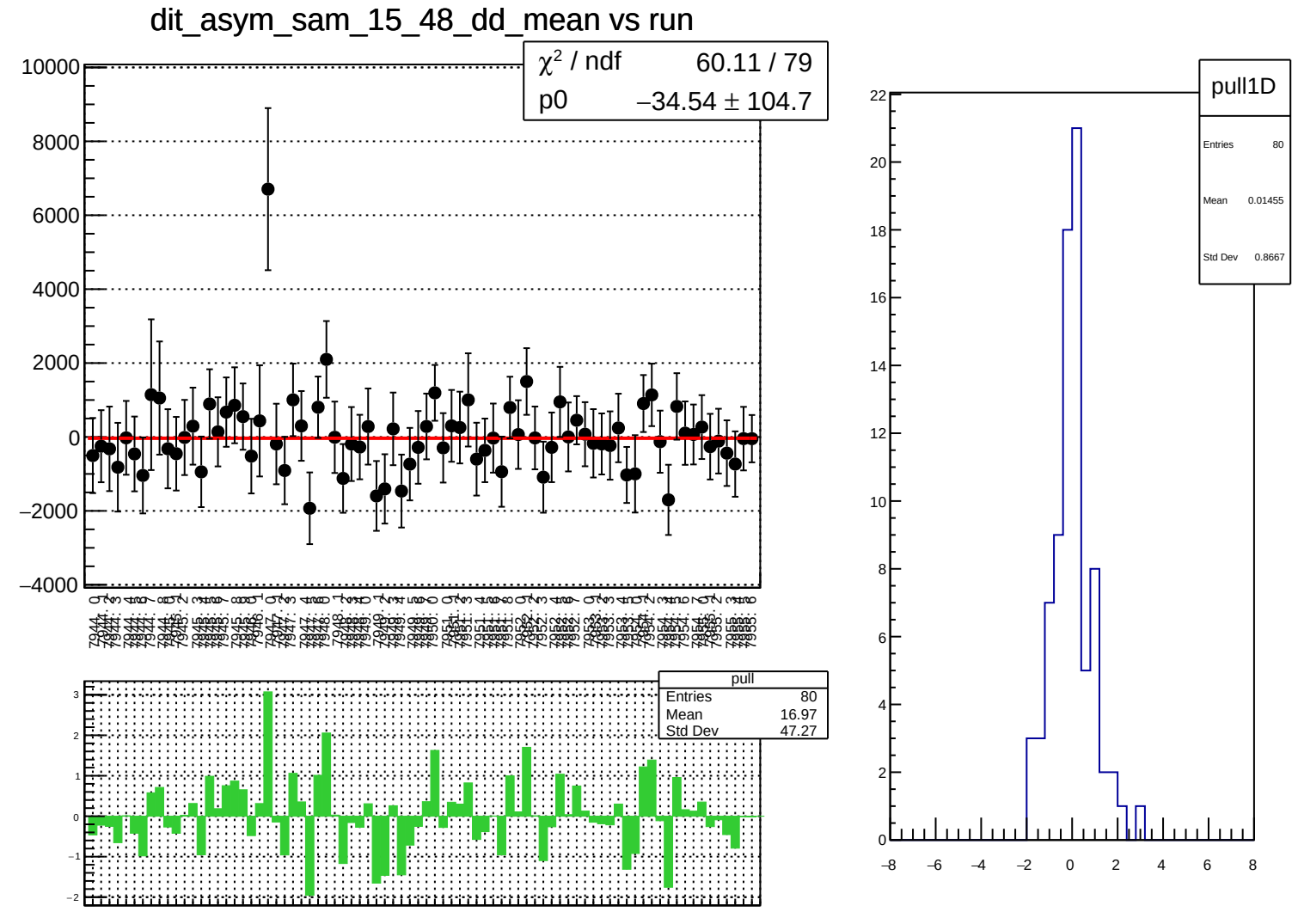

pull1D
Entries 80
Mean −0.009127
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

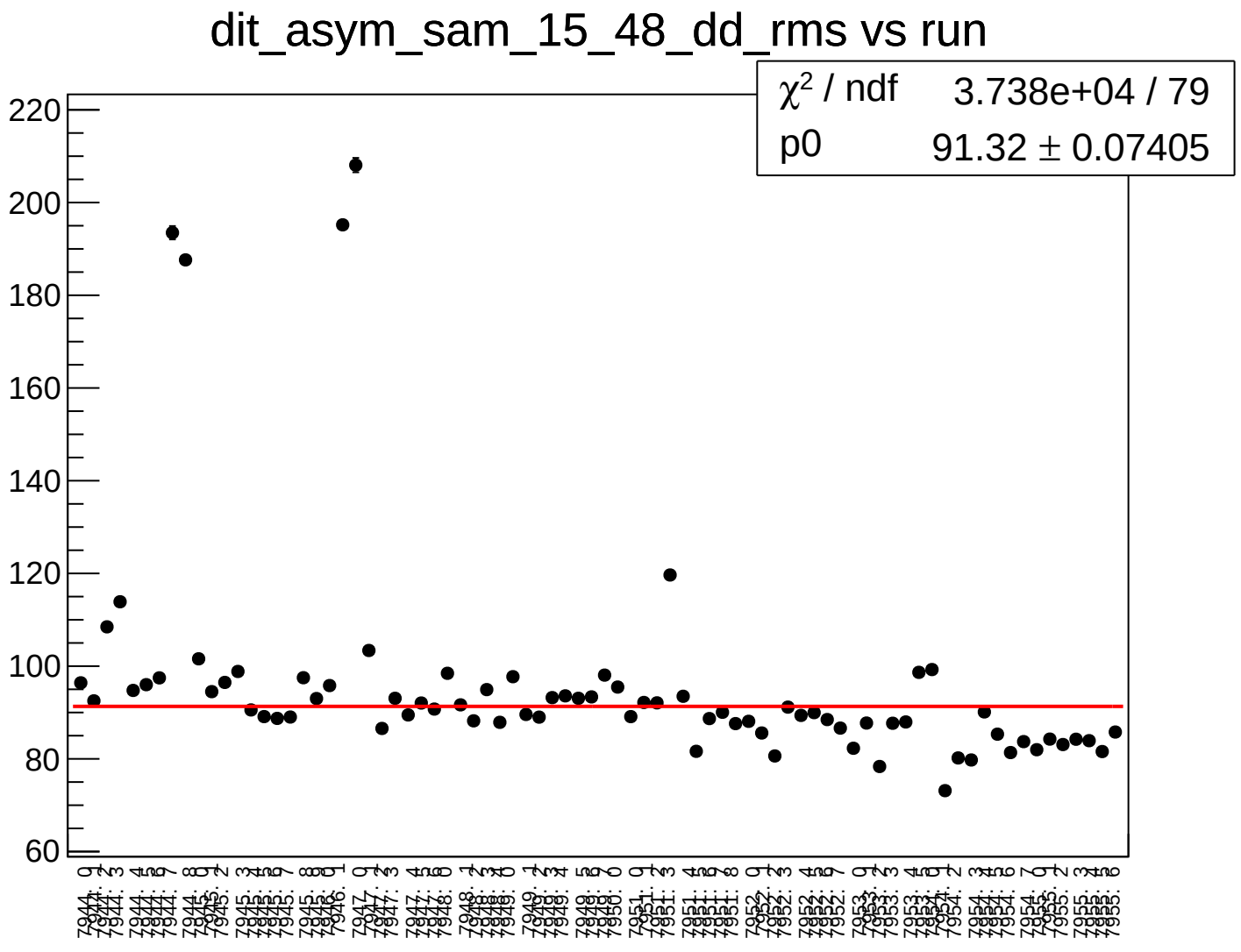

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2535 / 79
p0 1953 ± 1.566
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750

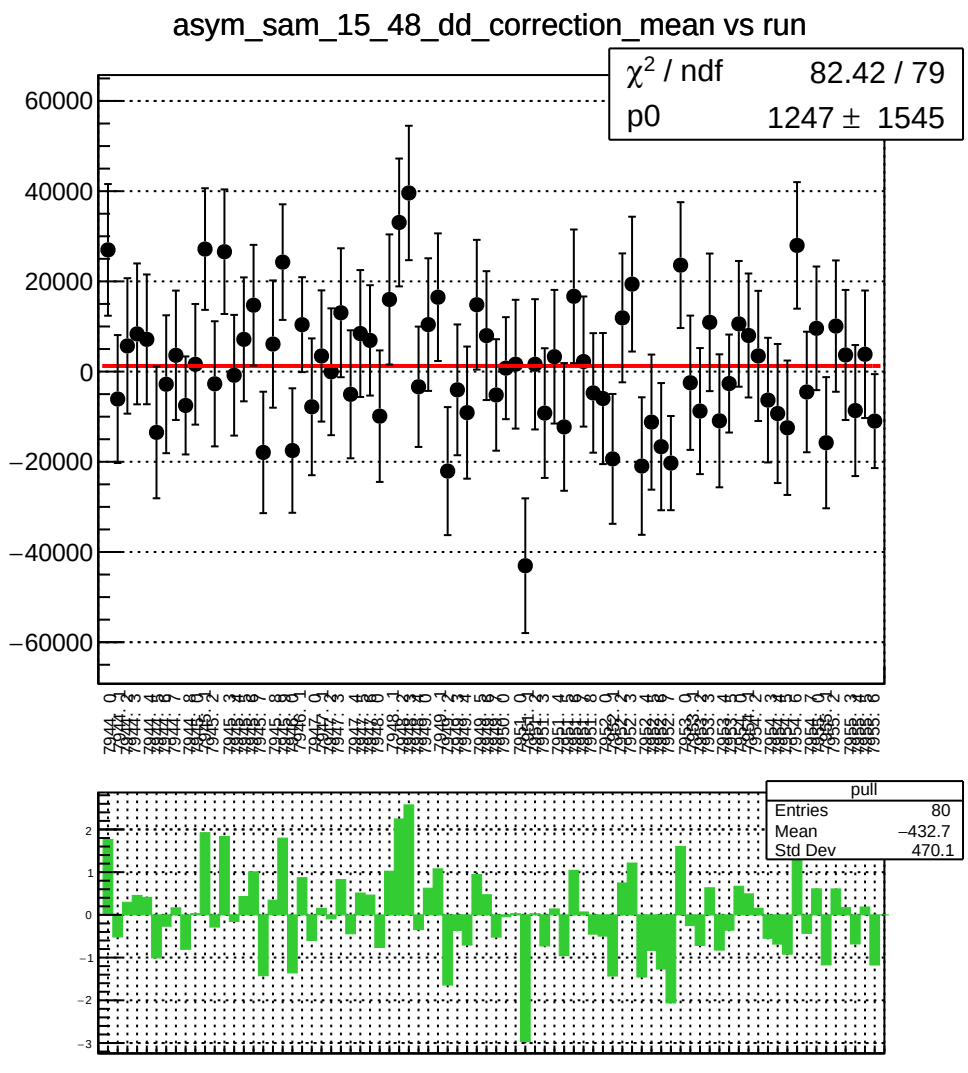

asym_sam_3726_avg_mean vs run
χ² / ndf 83.3 / 79
p0 816.1 ± 2251
pull
Entries 80
Mean −283.4
Std Dev 319.1

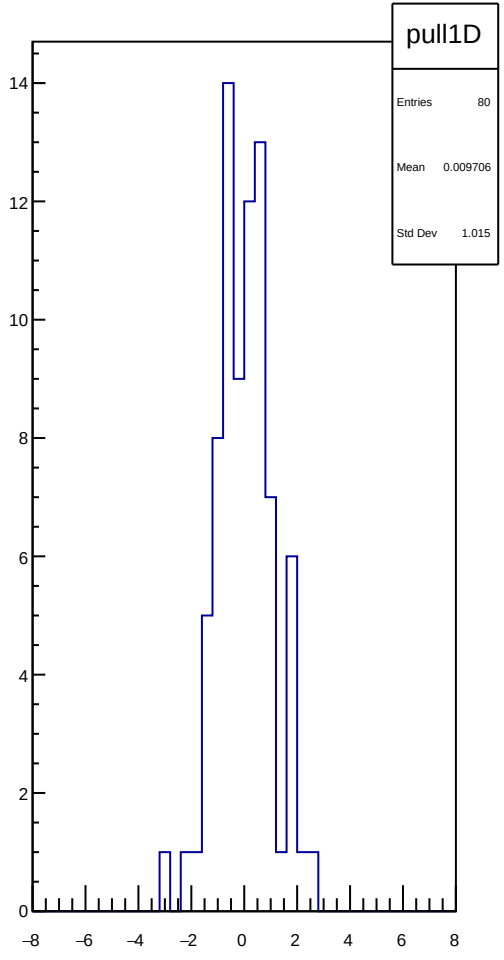

pull1D
Entries 80
Mean 0.01081
Std Dev 1.02

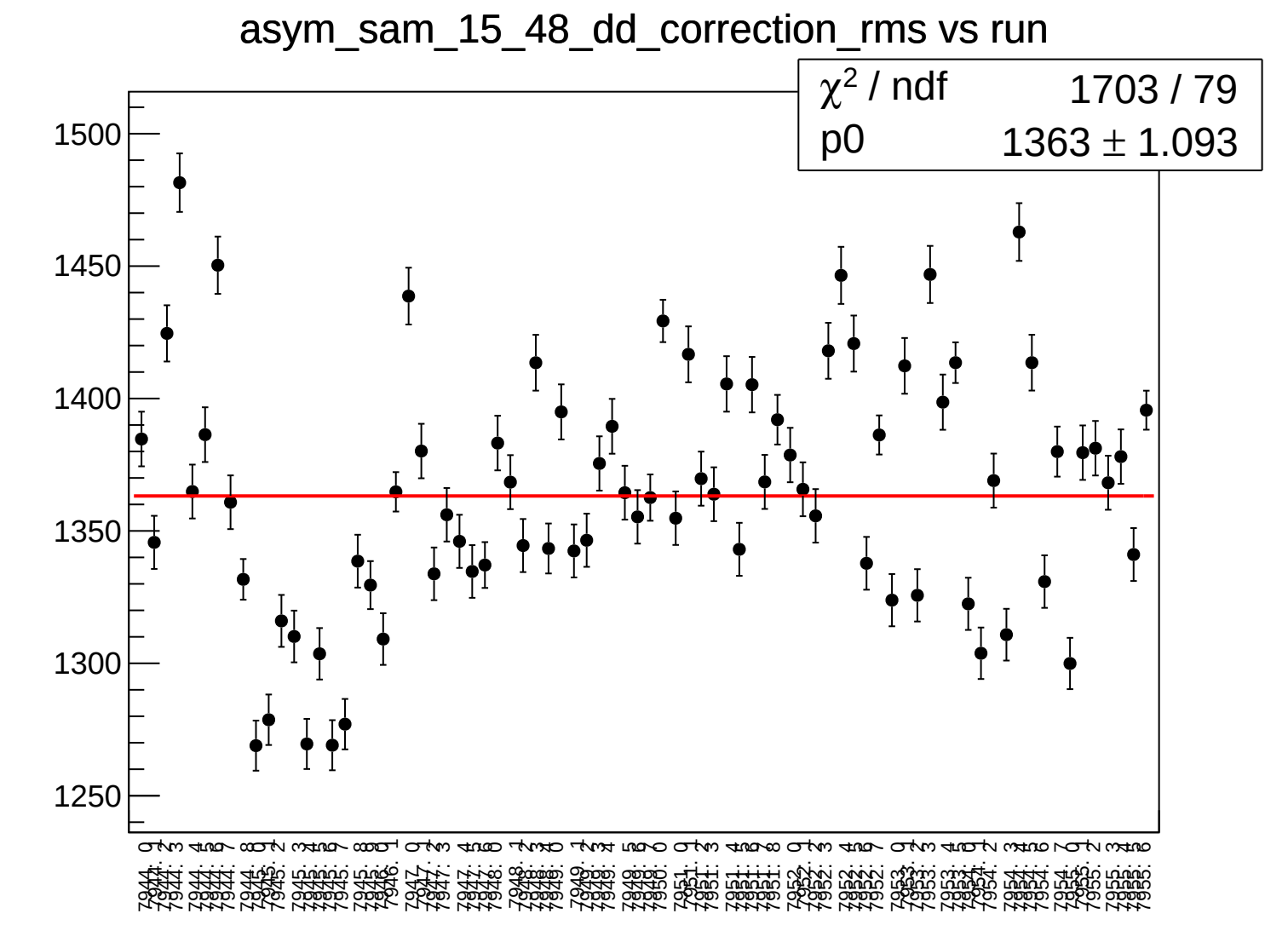

asym_sam_3726_avg_rms vs run
χ^2 / ndf 2398 / 79
p0 1986 ± 1.592
2300
2200
2100
2000
1900
1800

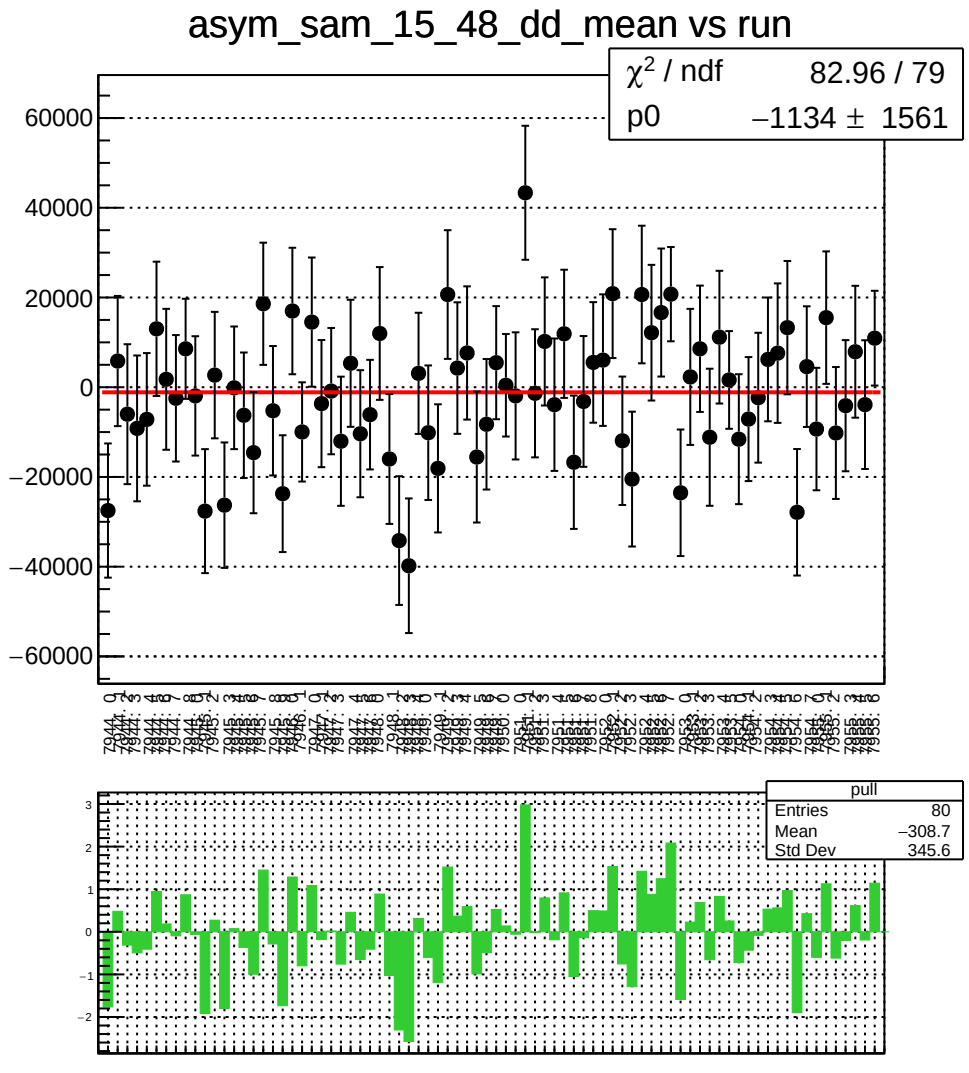

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 60.11 / 79
p0 −34.54 ± 104.7
pull
Entries 80
Mean 16.97
Std Dev 47.27
pull1D
Entries 80
Mean 0.01455
Std Dev 0.8667

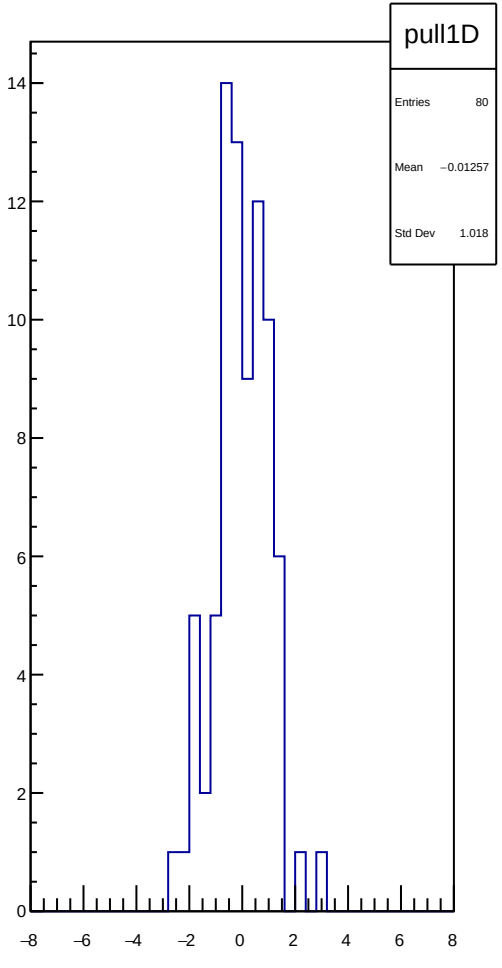

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3.738e+04 / 79
p0 91.32 ± 0.07405
220
200
180
160
140
120
100
80
60

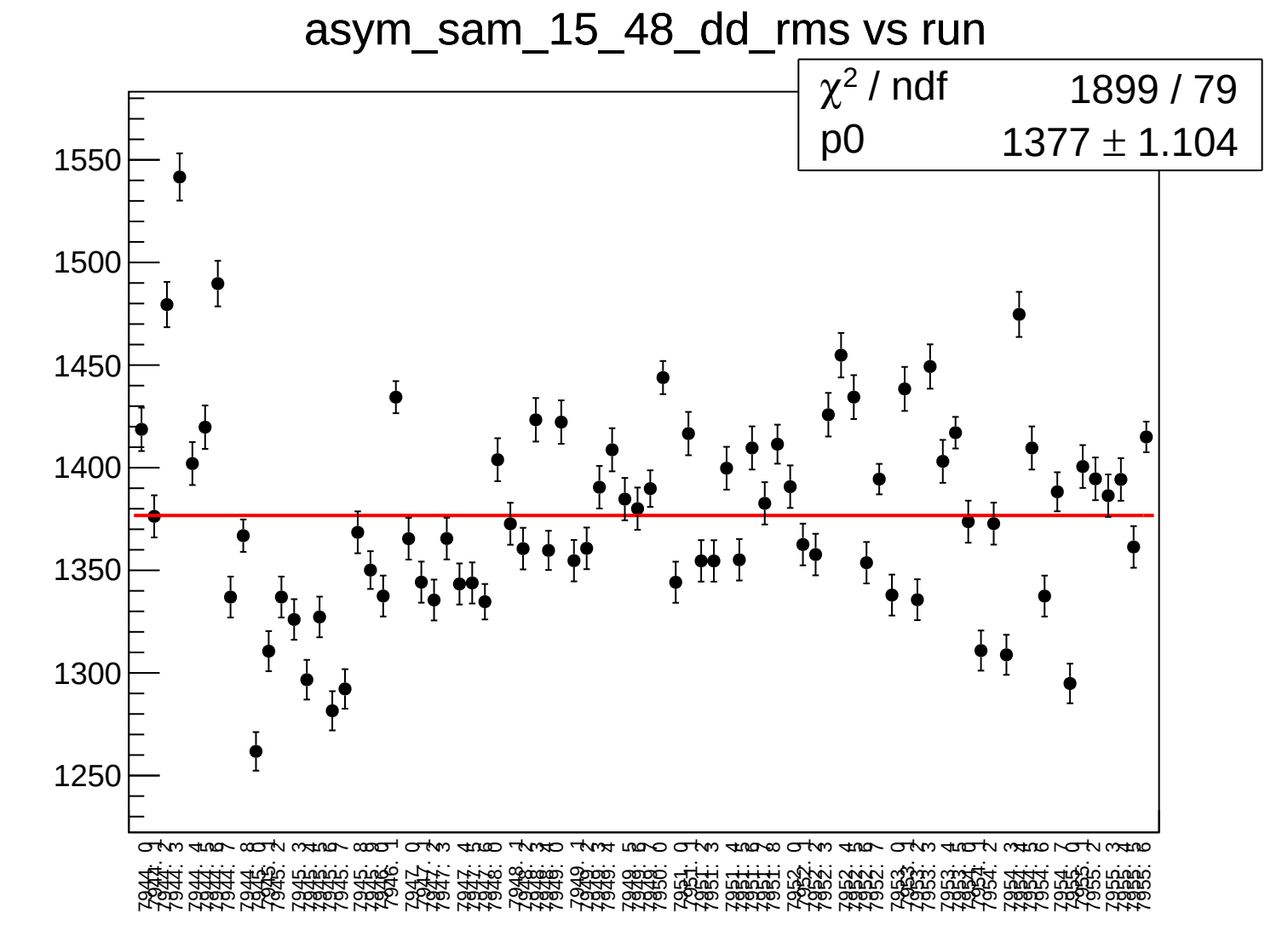

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 82.42 / 79
p0 1247 ± 1545
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −432.7
Std Dev 470.1
2
1
0
−1
−2
−3

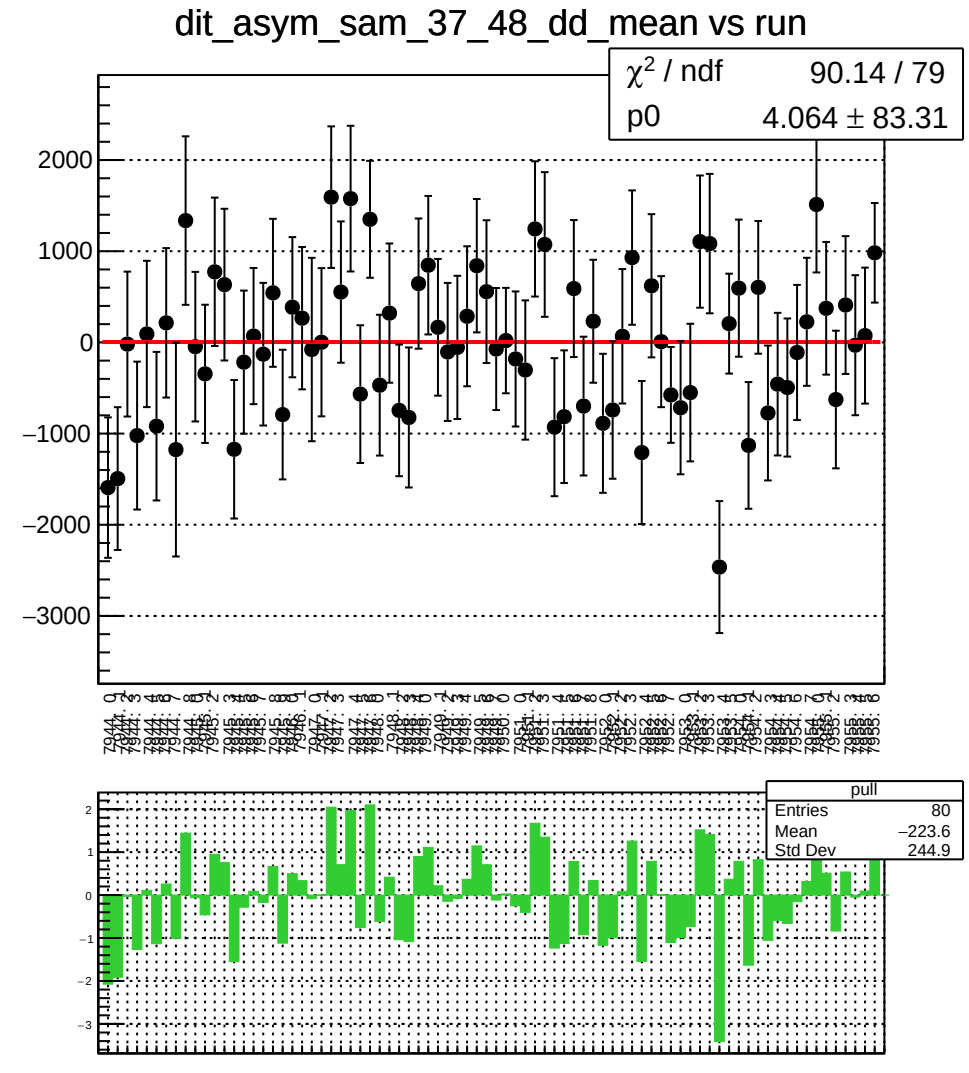

pull1D
Entries 80
Mean 0.009706
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

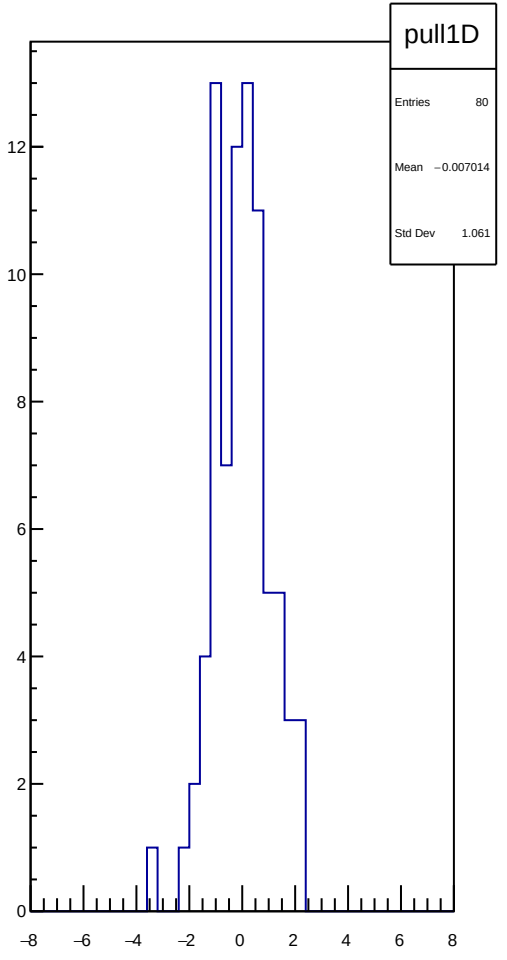

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1703 / 79
p0 1363 ± 1.093
1500
1450
1400
1350
1300
1250

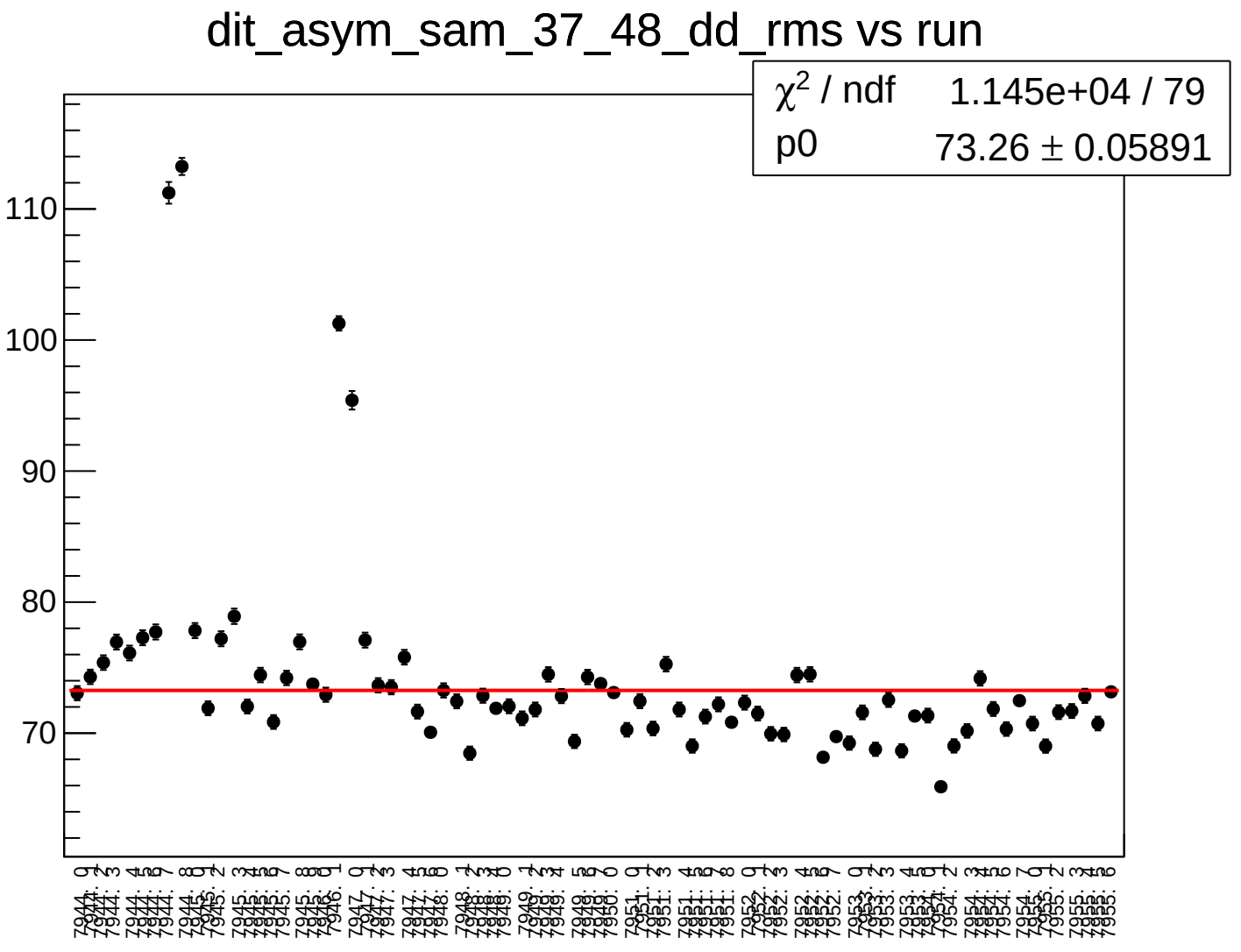

asym_sam_15_48_dd_mean vs run
χ² / ndf 82.96 / 79
p0 −1134 ± 1561
pull
Entries 80
Mean −308.7
Std Dev 345.6

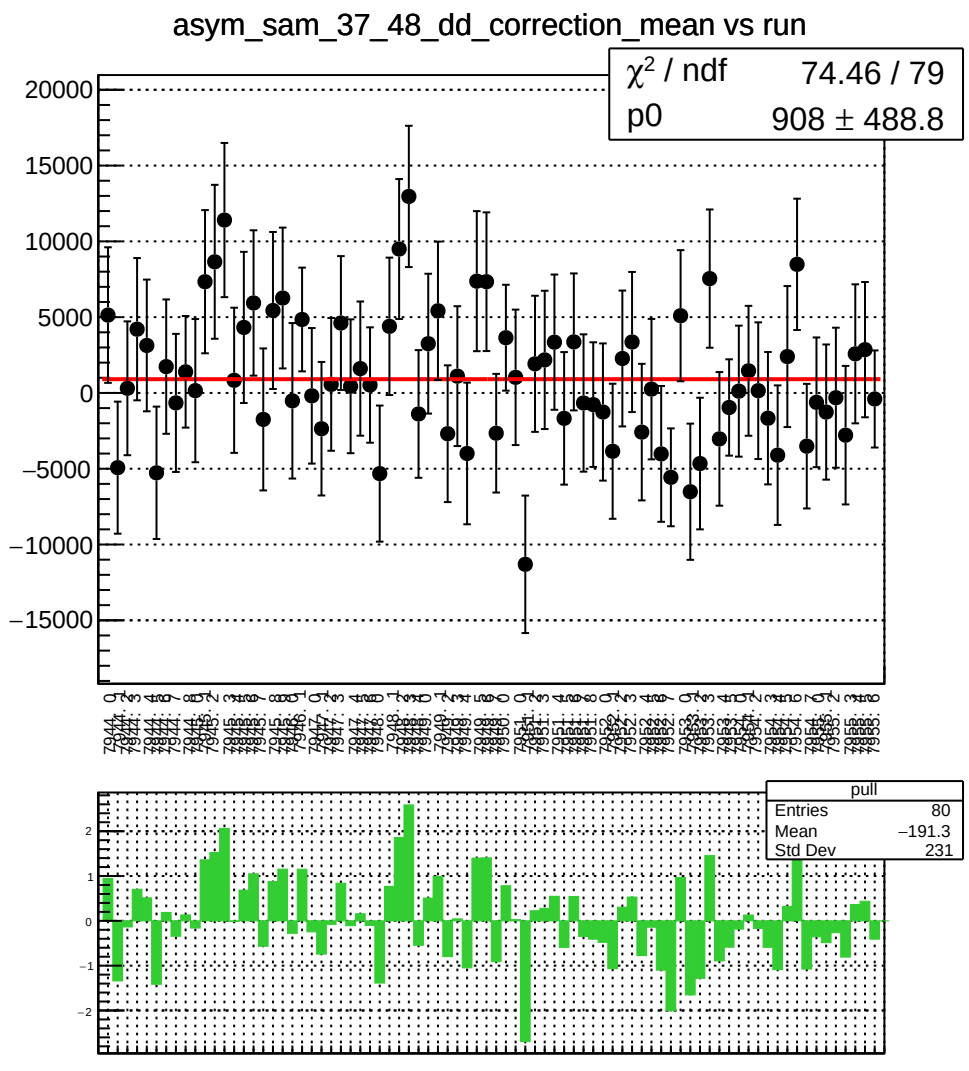

pull1D
Entries 80
Mean −0.01257
Std Dev 1.018

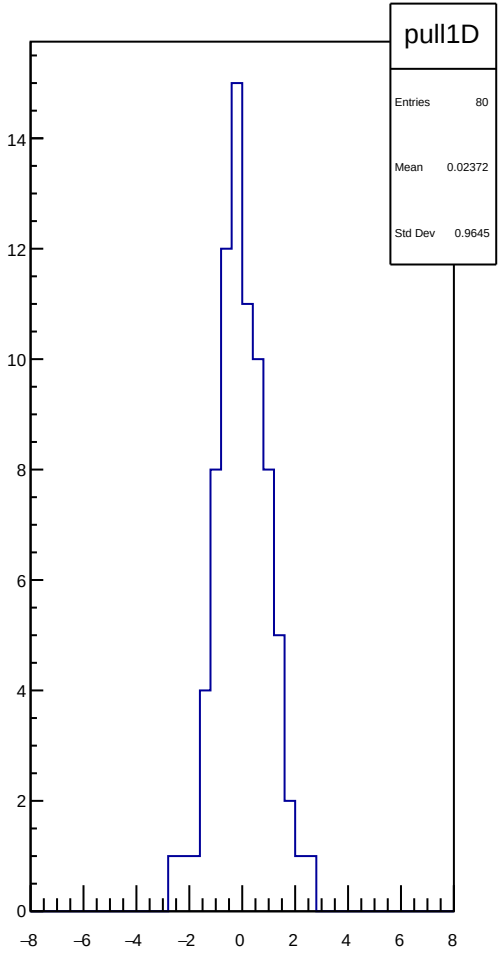

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1899 / 79
p0 1377 ± 1.104
1550
1500
1450
1400
1350
1300
1250

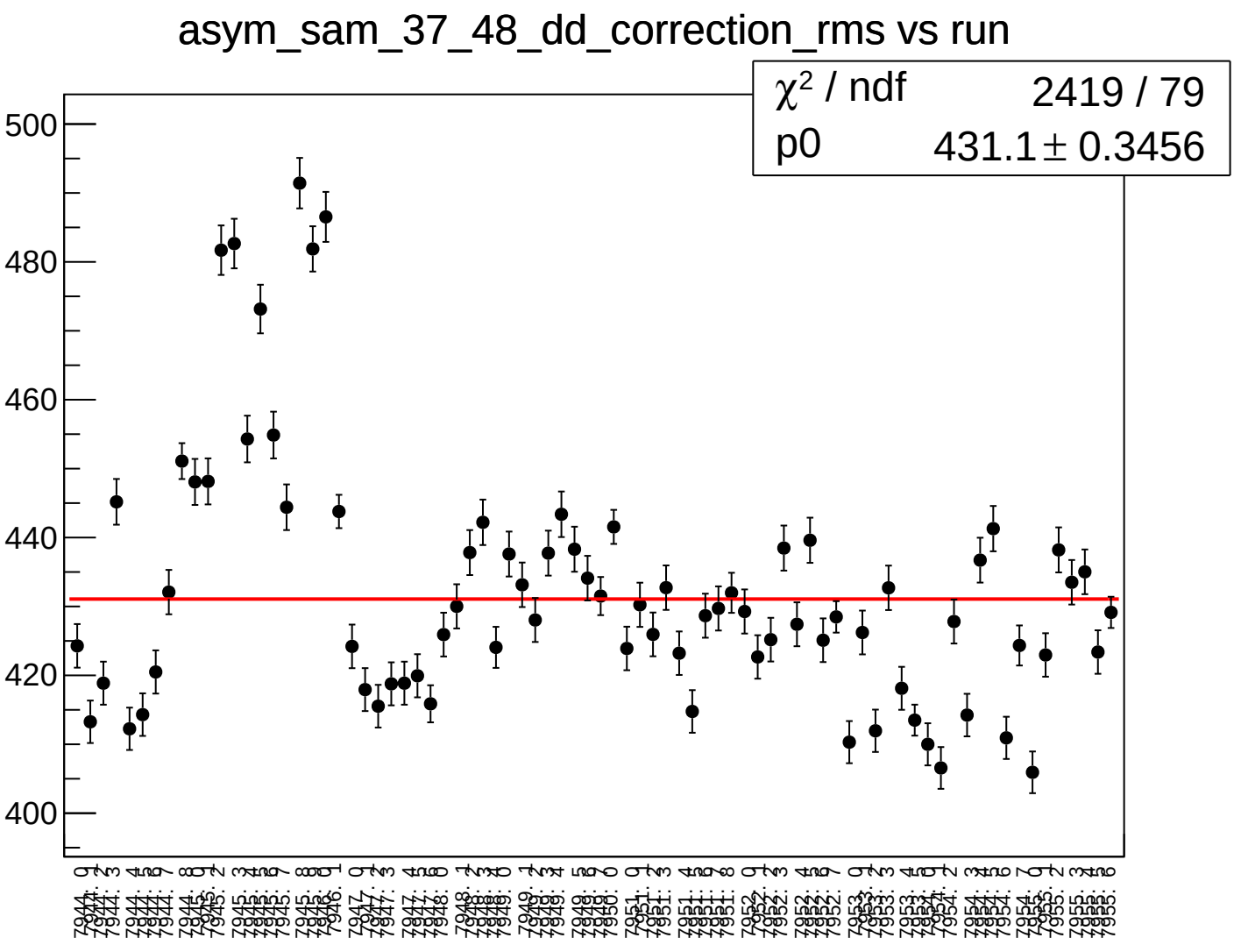

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 90.14 / 79
p0 4.064 ± 83.31
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean −223.6
Std Dev 244.9
2
1
0
−1
−2
−3

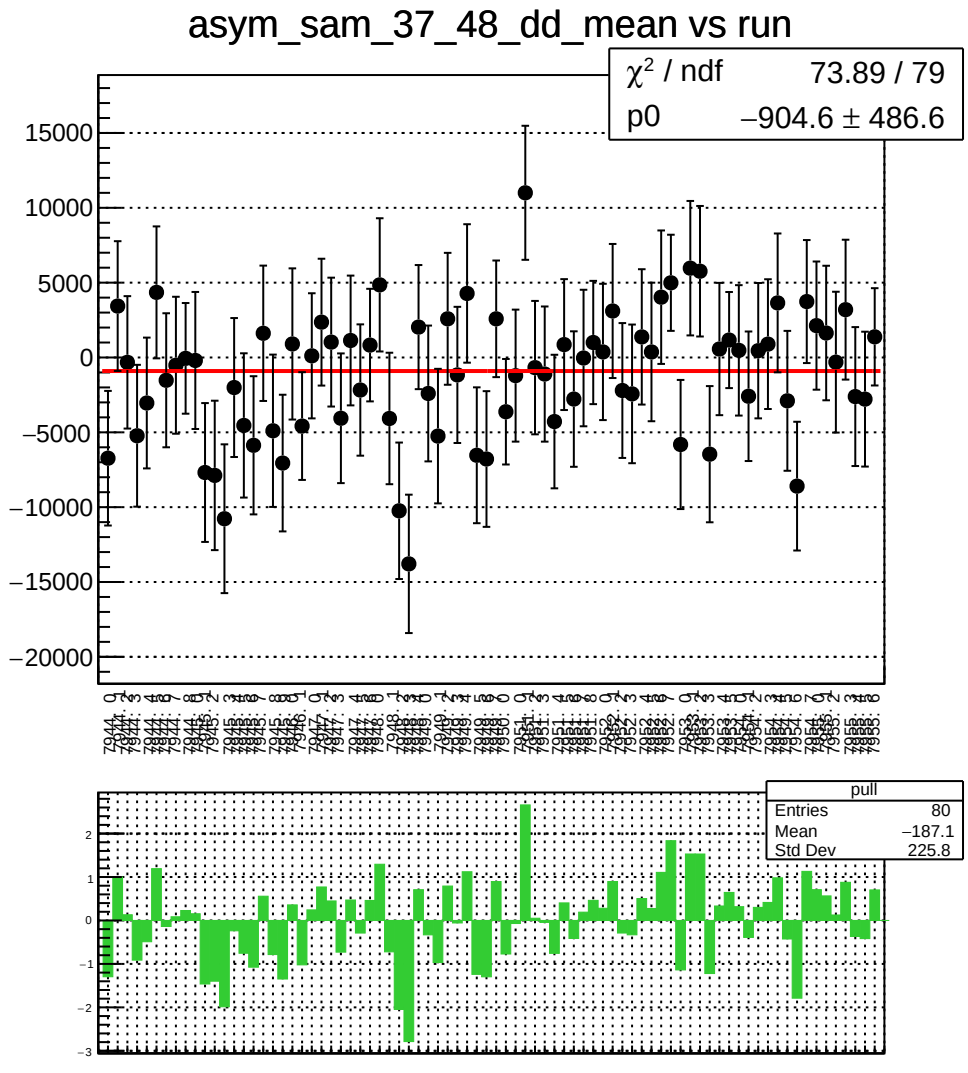

pull1D
Entries 80
Mean −0.007014
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

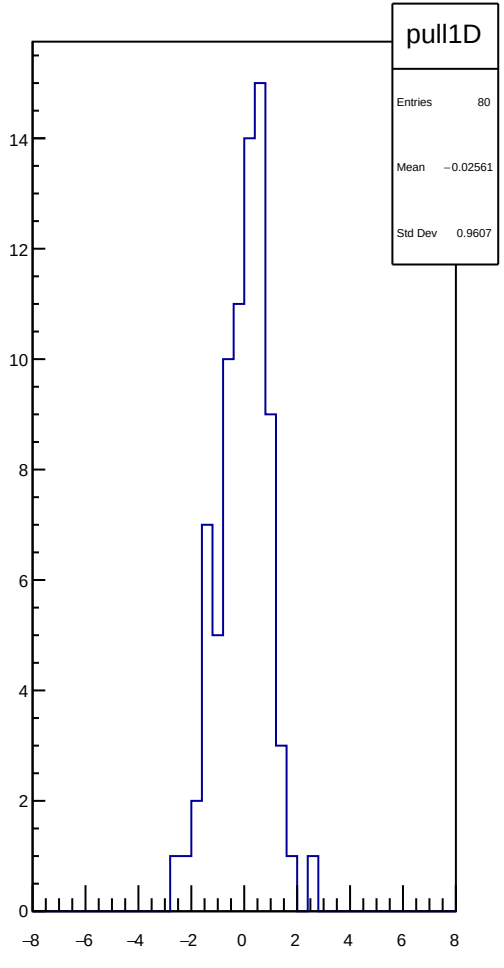

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.145e+04 / 79
p0 73.26 ± 0.05891
110
100
90
80
70

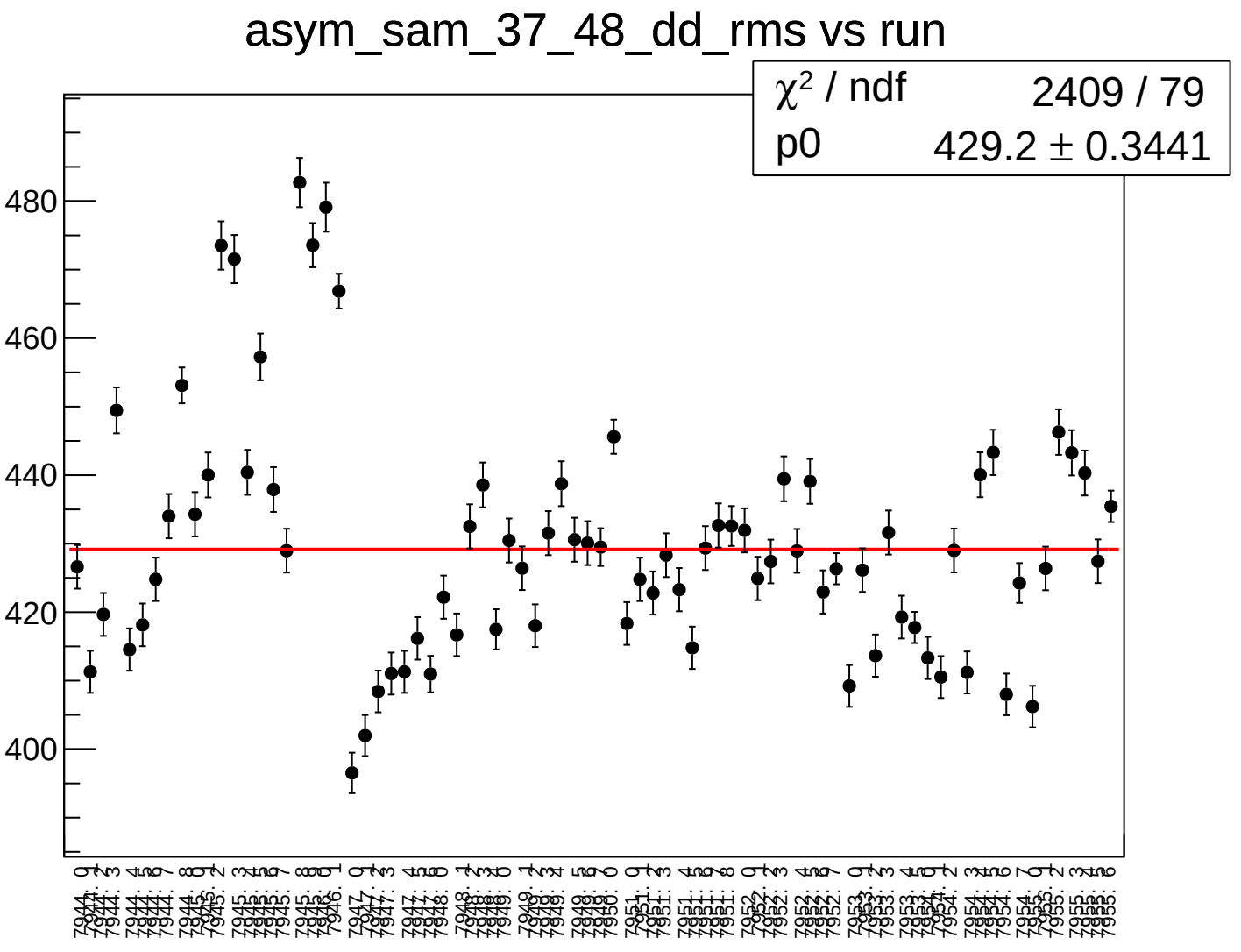

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 74.46 / 79
p0 908 ± 488.8
pull
Entries 80
Mean −191.3
Std Dev 231

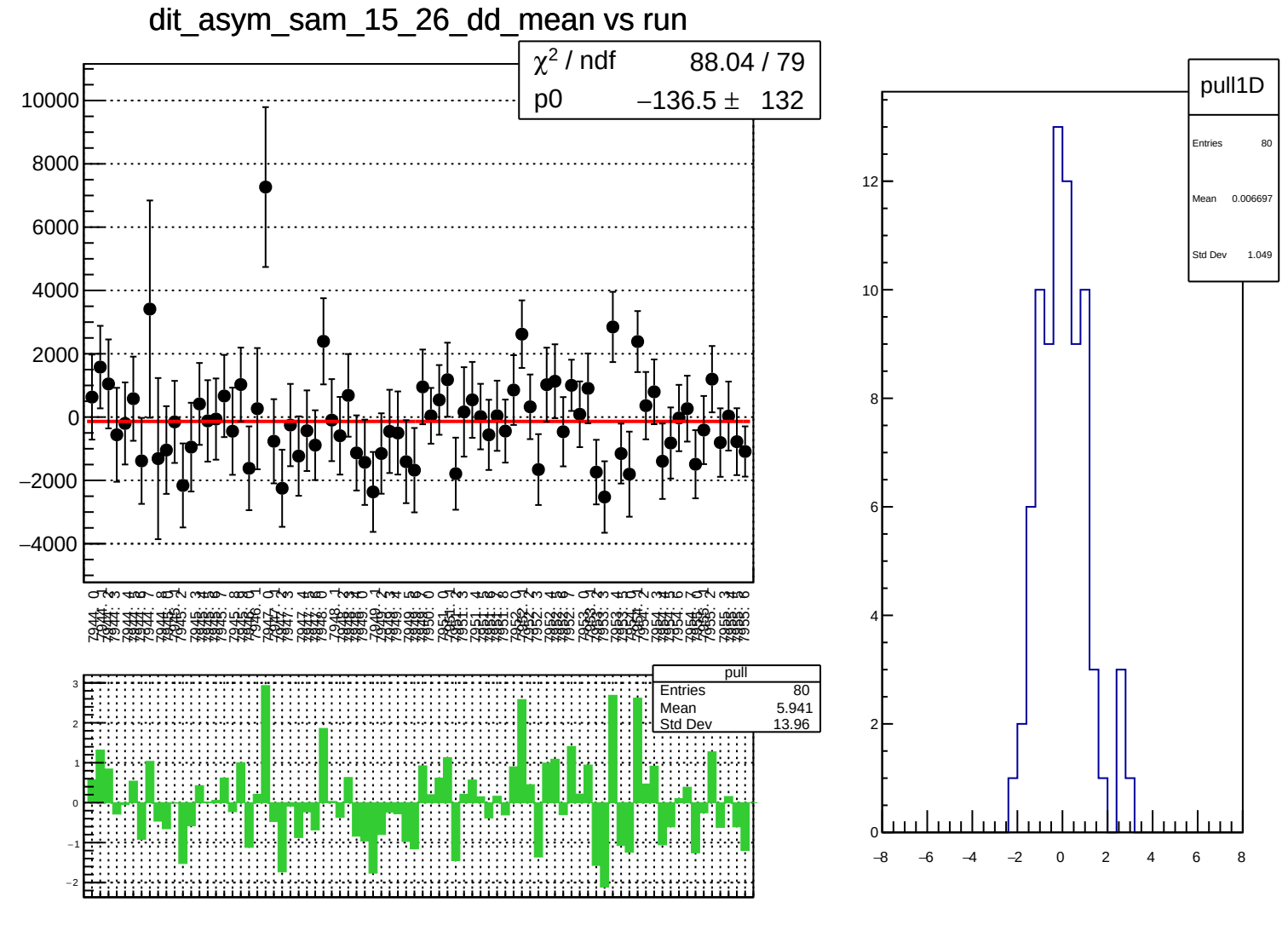

pull1D
Entries 80
Mean 0.02372
Std Dev 0.9645

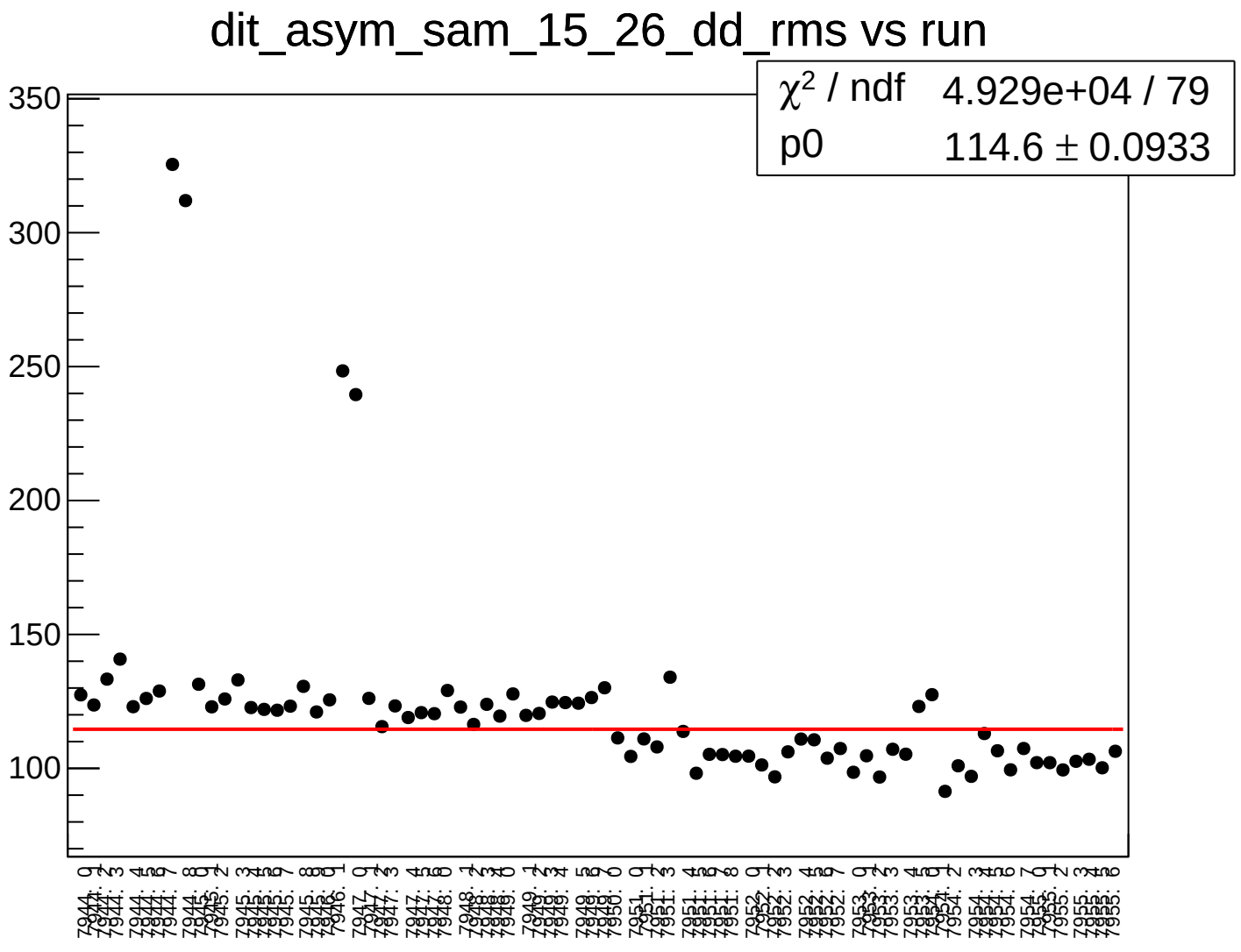

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2419 / 79
p0 431.1 ± 0.3456
500
480
460
440
420
400

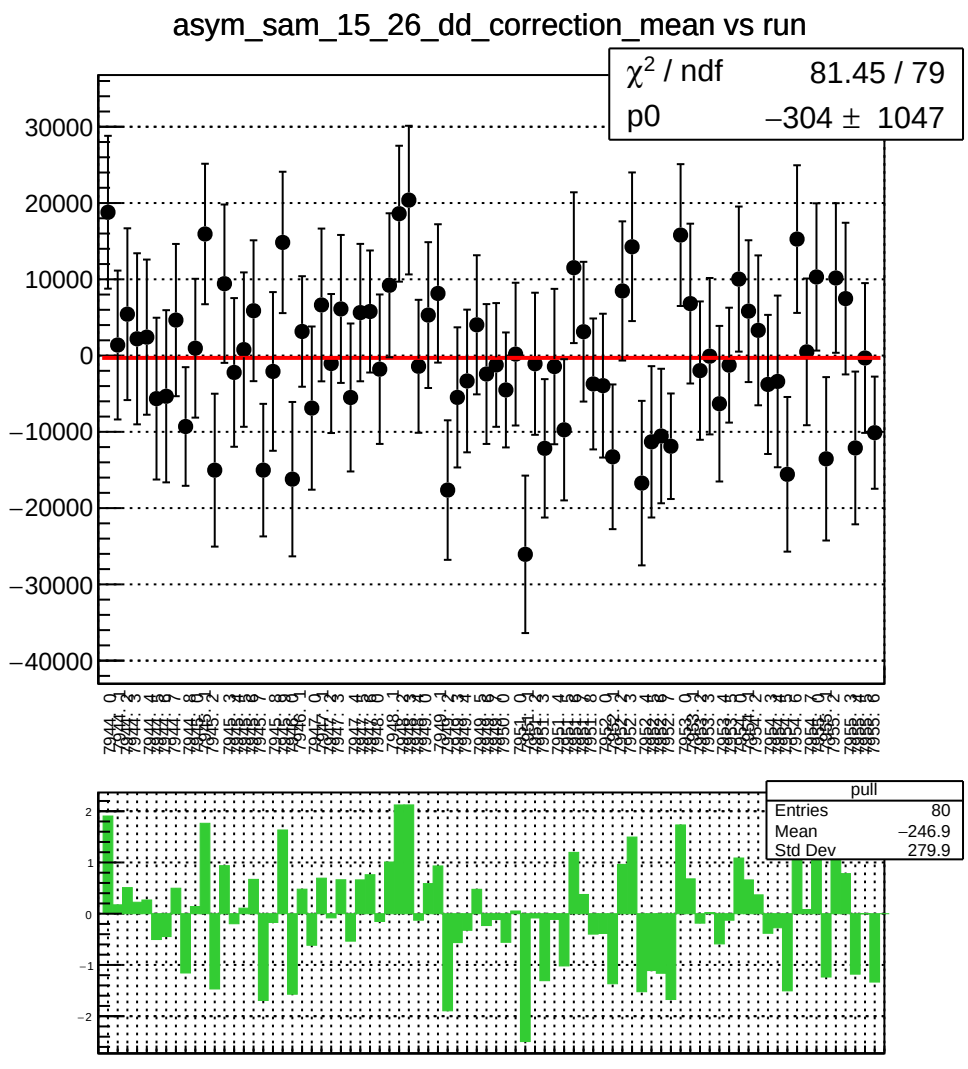

asym_sam_37_48_dd_mean vs run
χ² / ndf 73.89 / 79
p0 −904.6 ± 486.6
pull
Entries 80
Mean −187.1
Std Dev 225.8

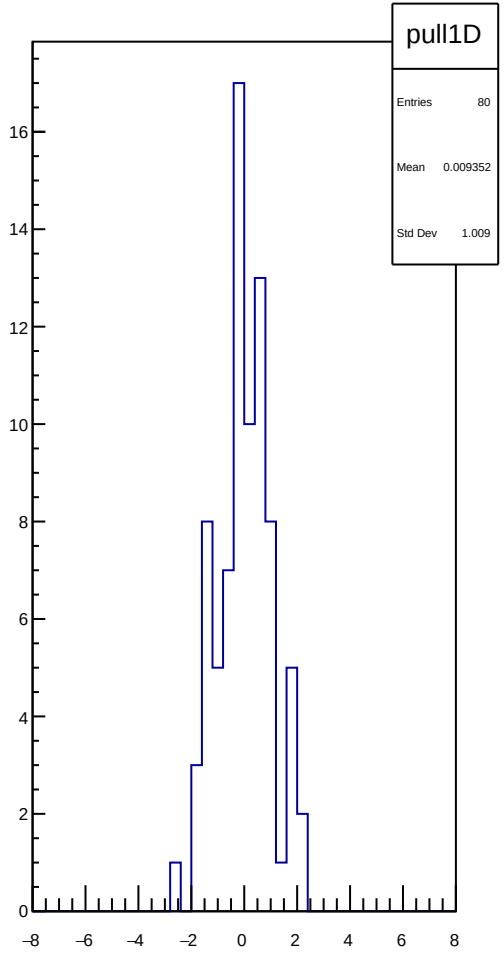

pull1D
Entries 80
Mean −0.02561
Std Dev 0.9607

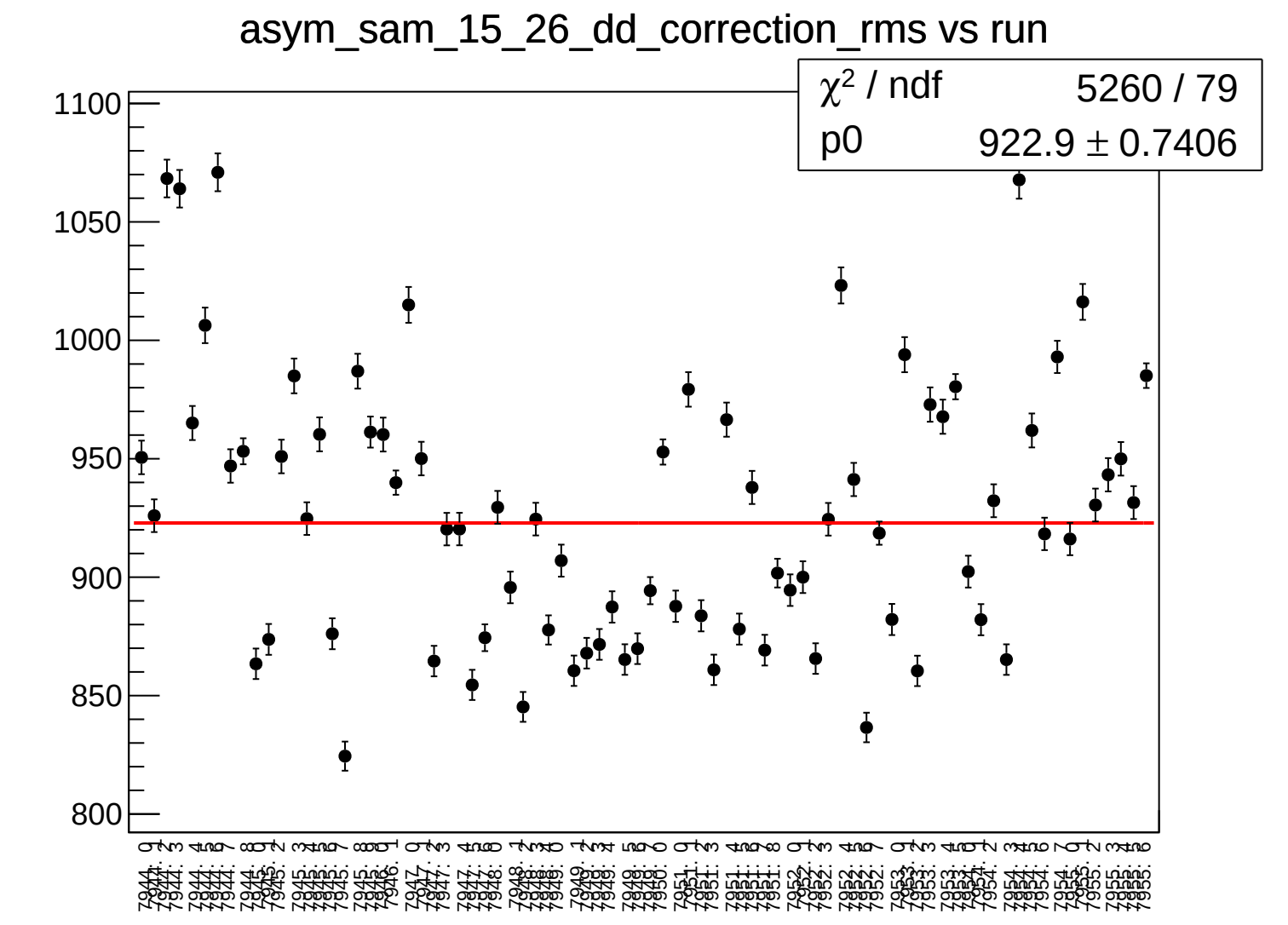

asym_sam_37_48_dd_rms vs run
χ² / ndf 2409 / 79
p0 429.2 ± 0.3441
480
460
440
420
400

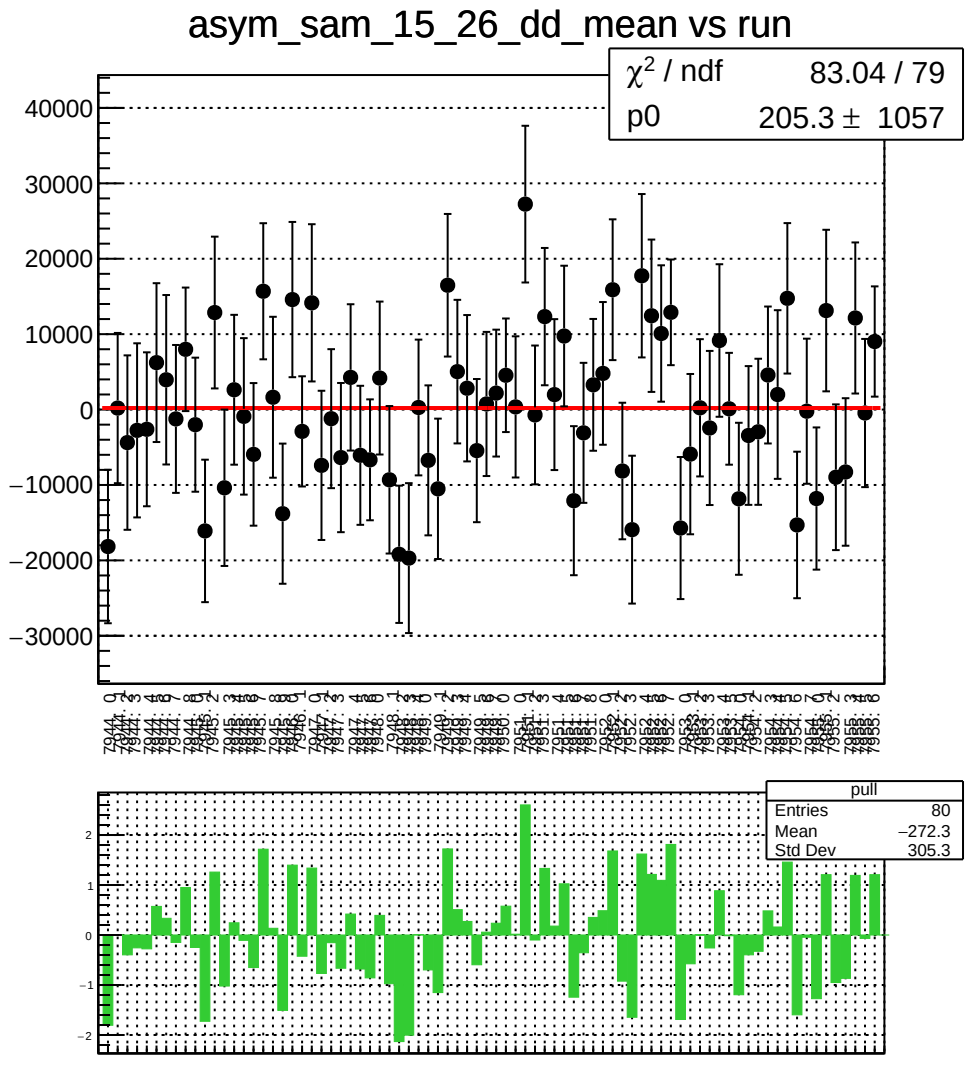

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 88.04 / 79
p0 −136.5 ± 132
pull
Entries 80
Mean 5.941
Std Dev 13.96
pull1D
Entries 80
Mean 0.006697
Std Dev 1.049

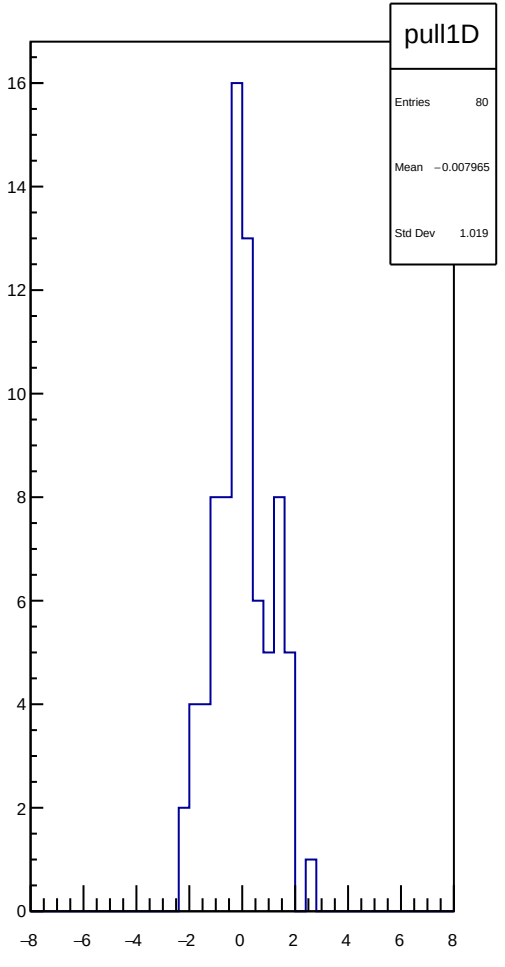

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4.929e+04 / 79
p0 114.6 ± 0.0933
350
300
250
200
150
100

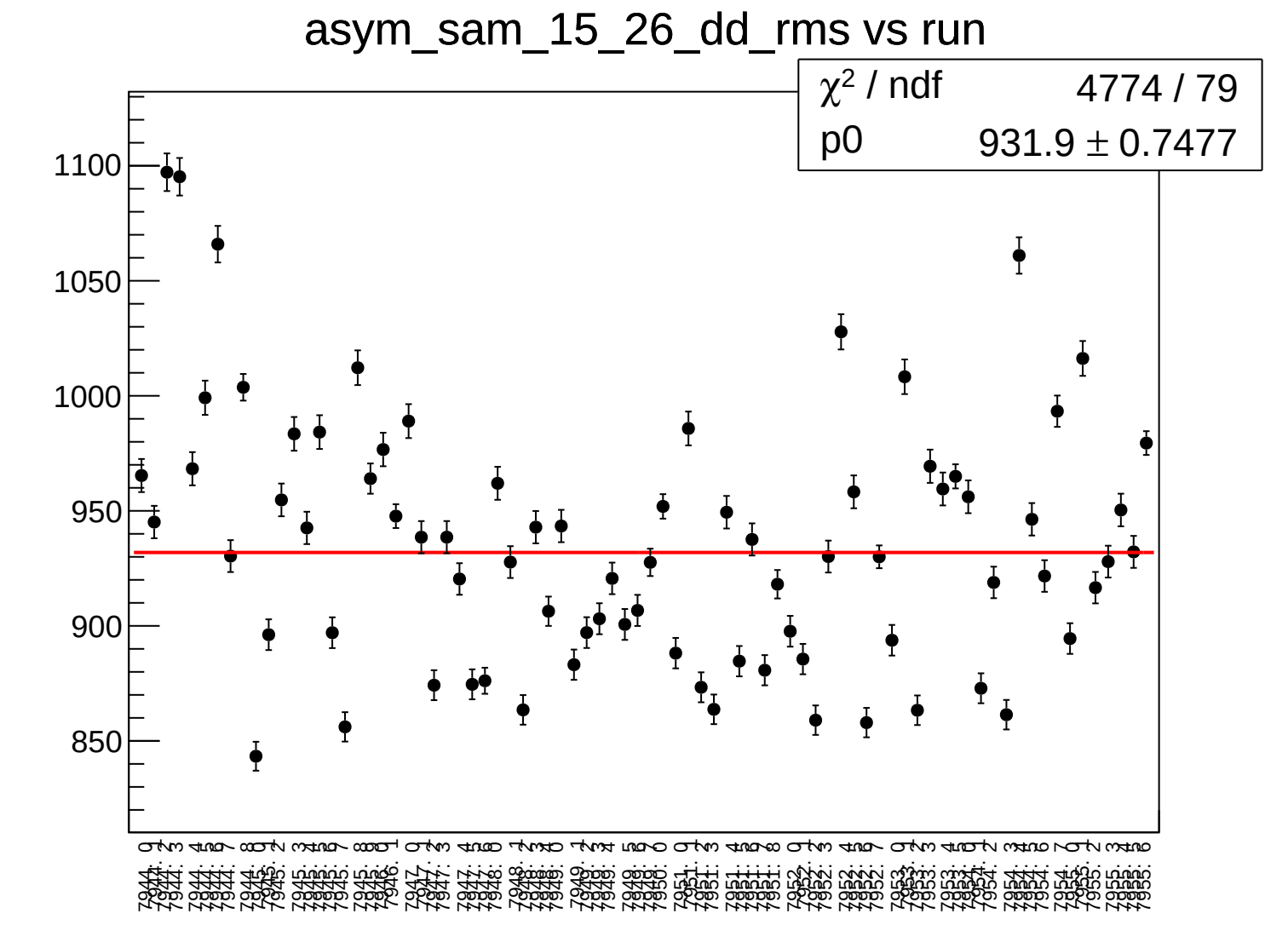

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 81.45 / 79
p0 −304 ± 1047
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean −246.9
Std Dev 279.9
2
1
0
−1
−2

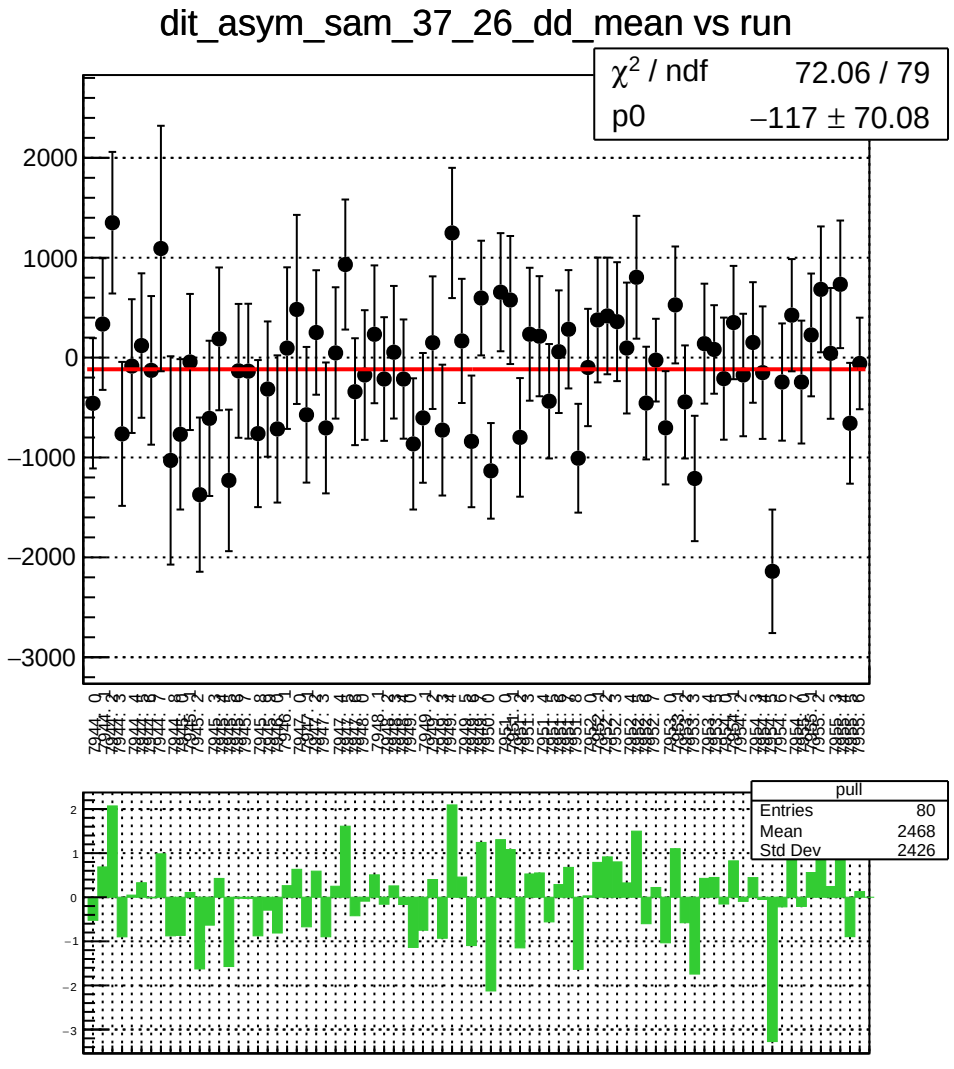

pull1D
Entries 80
Mean 0.009352
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

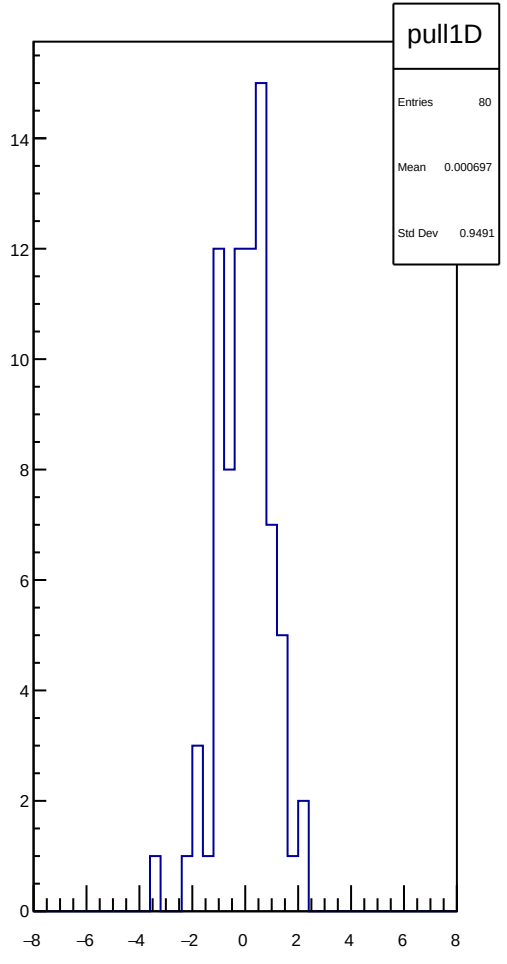

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 5260 / 79
p0 922.9 ± 0.7406
1100
1050
1000
950
900
850
800

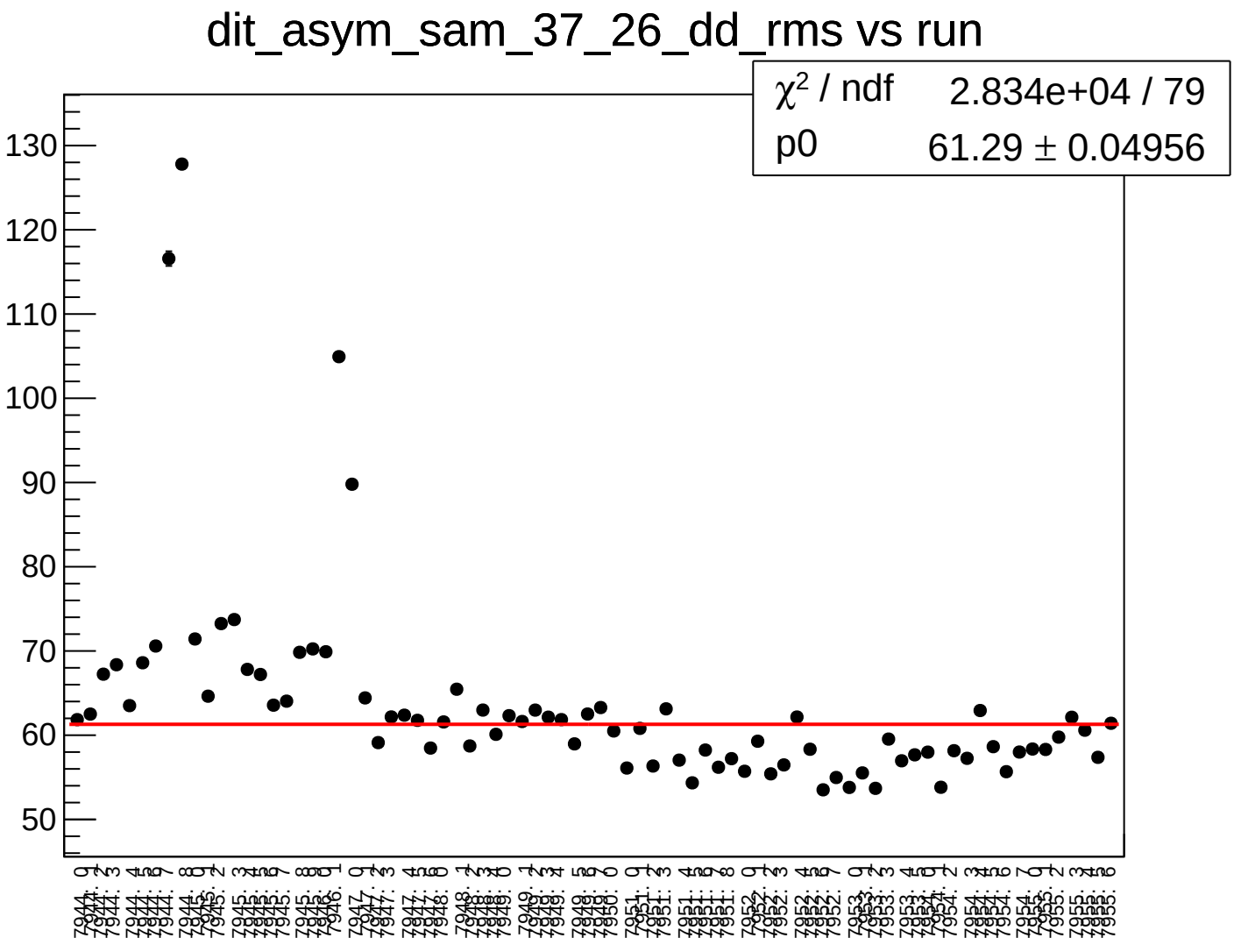

asym_sam_15_26_dd_mean vs run
χ² / ndf 83.04 / 79
p0 205.3 ± 1057
pull
Entries 80
Mean −272.3
Std Dev 305.3

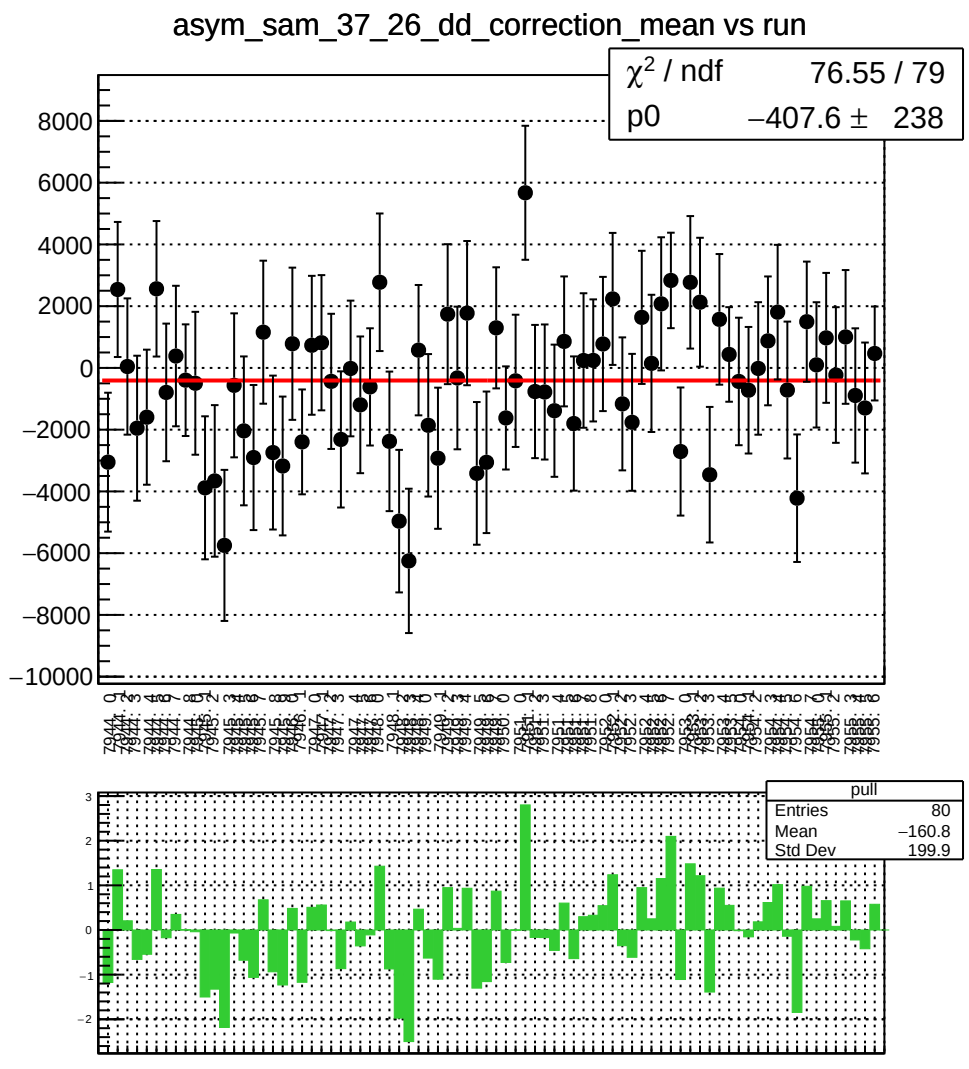

pull1D
Entries 80
Mean −0.007965
Std Dev 1.019

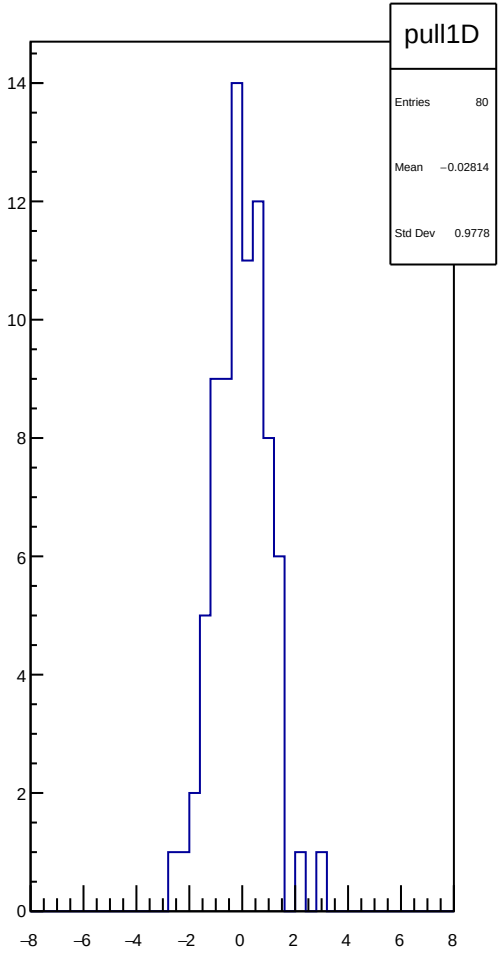

asym_sam_15_26_dd_rms vs run
χ² / ndf 4774 / 79
p0 931.9 ± 0.7477
1100
1050
1000
950
900
850

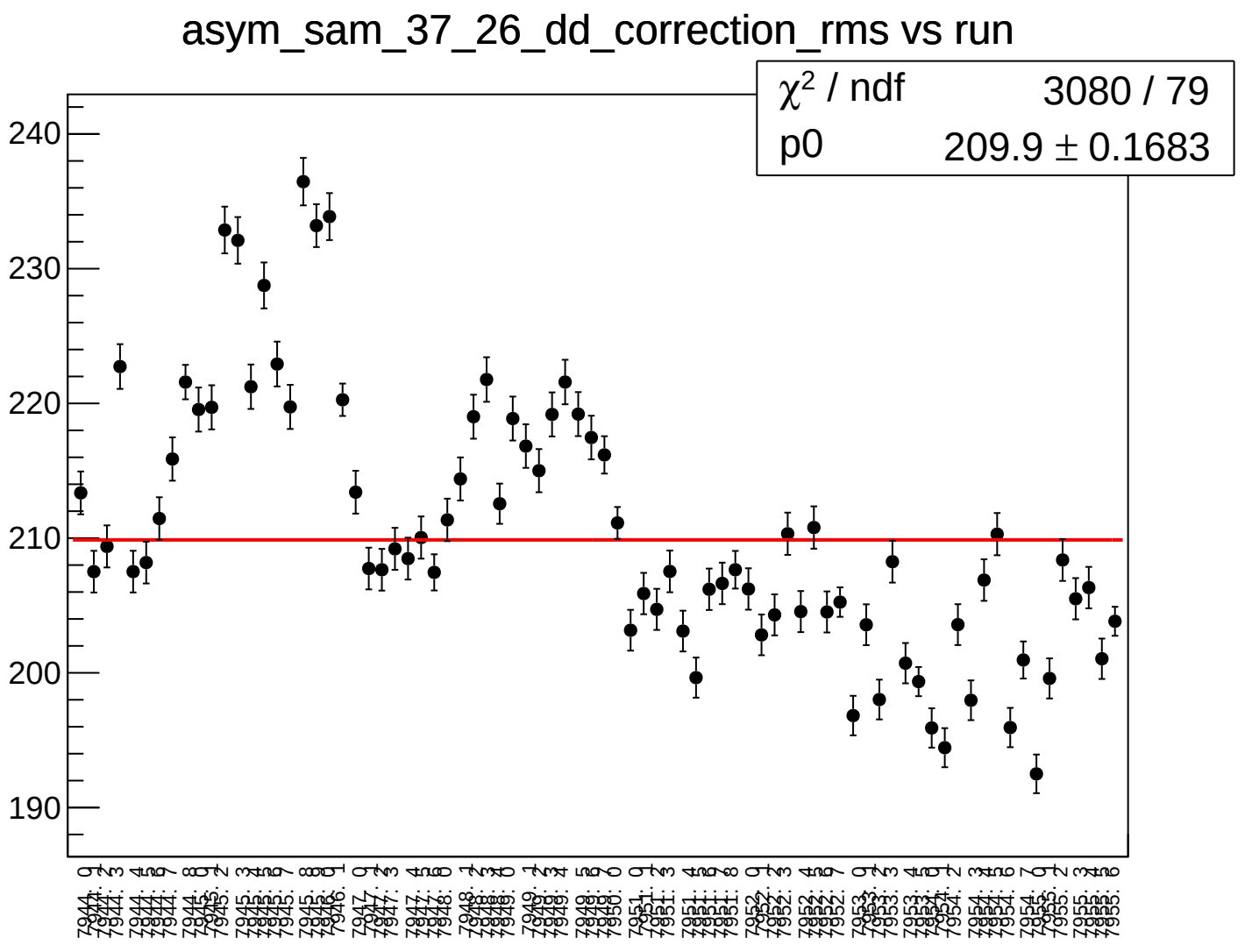

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 72.06 / 79
p0 −117 ± 70.08
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean 2468
Std Dev 2426
2
1
0
−1
−2
−3

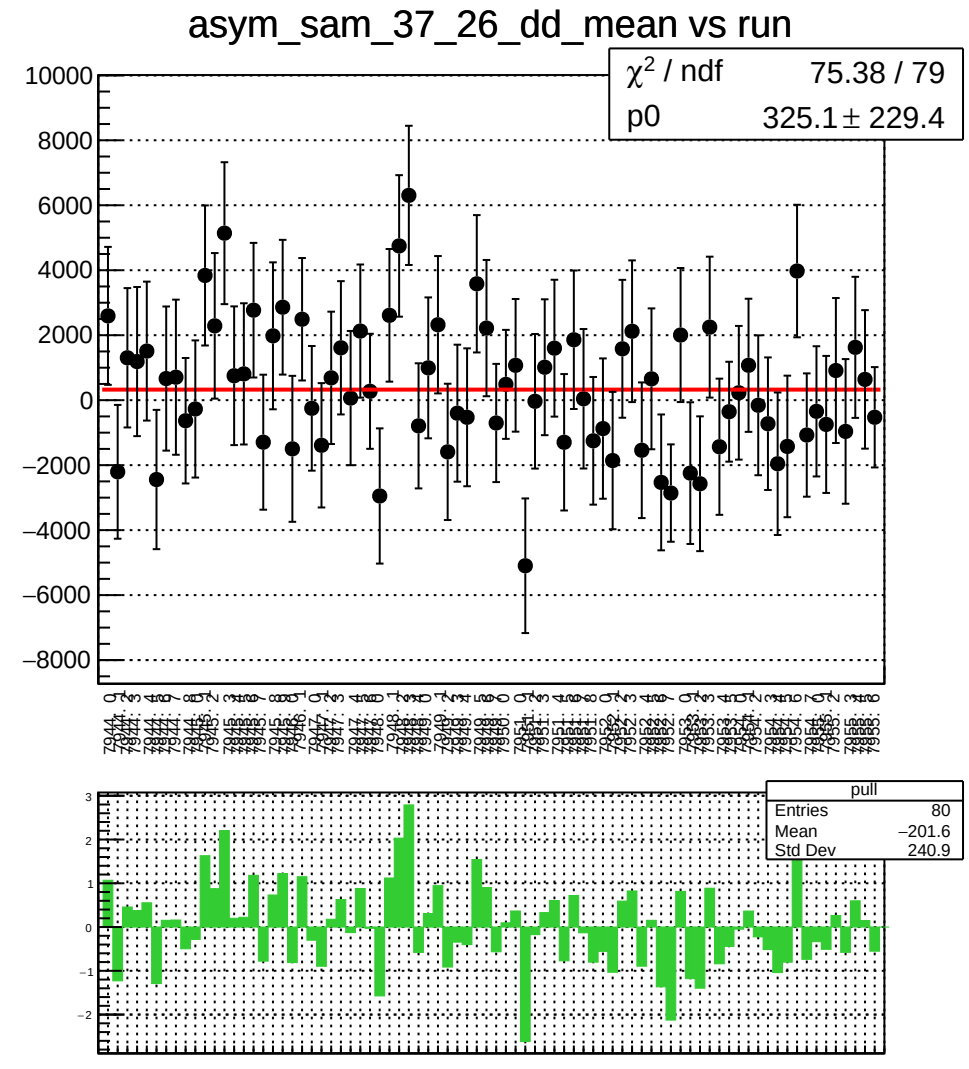

pull1D
Entries 80
Mean 0.000697
Std Dev 0.9491
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

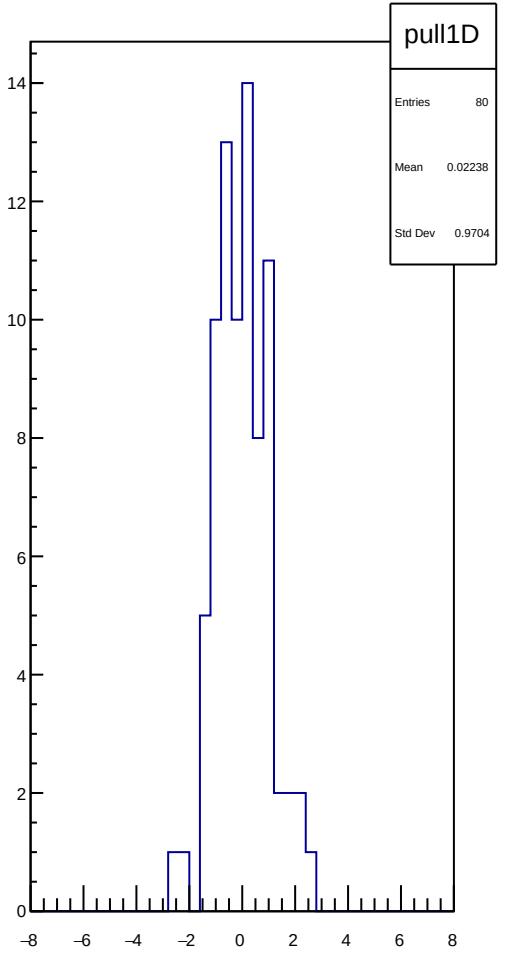

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2.834e+04 / 79
p0 61.29 ± 0.04956
130
120
110
100
90
80
70
60
50

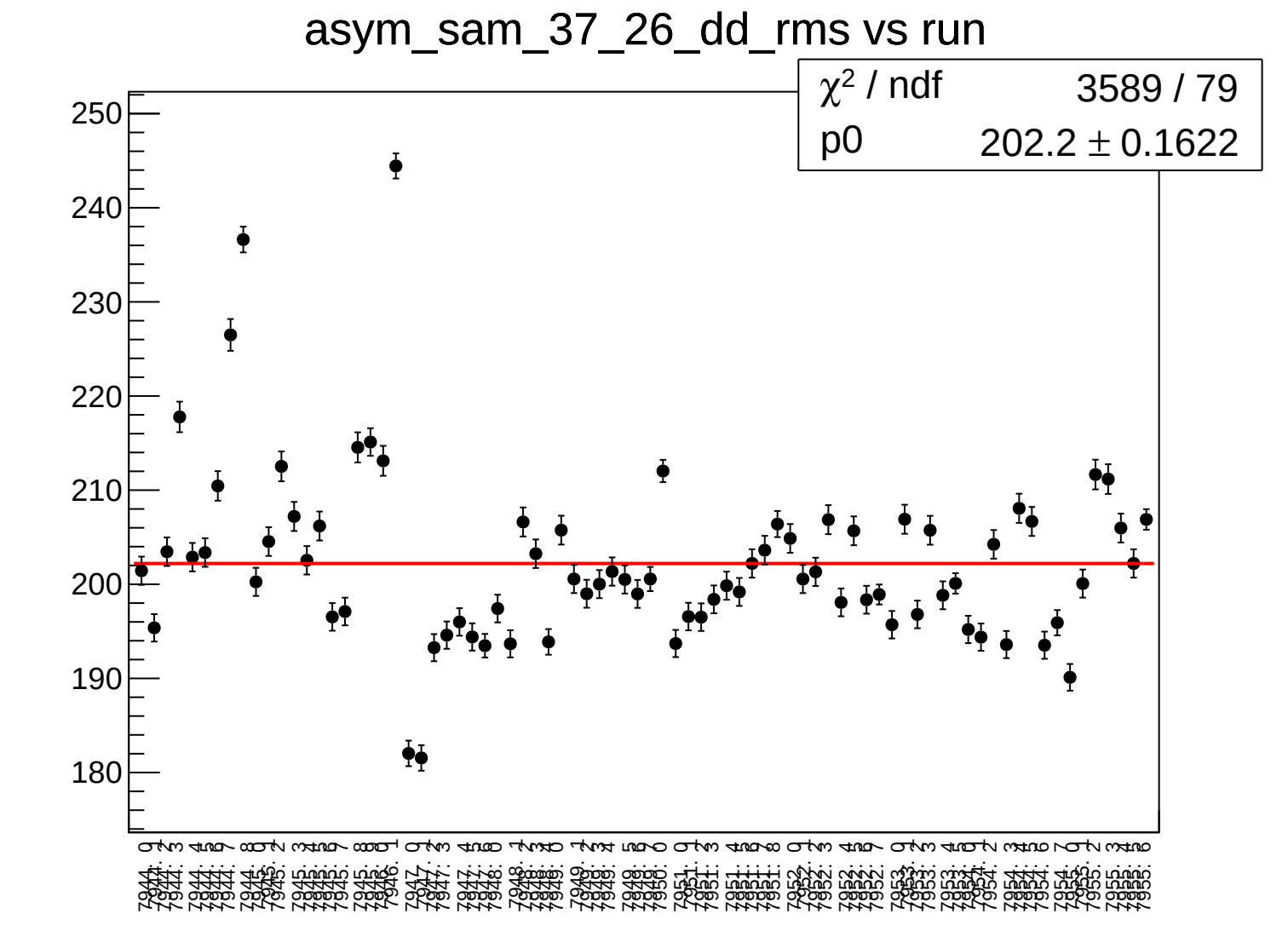

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 76.55 / 79
p0 −407.6 ± 238
pull
Entries 80
Mean −160.8
Std Dev 199.9

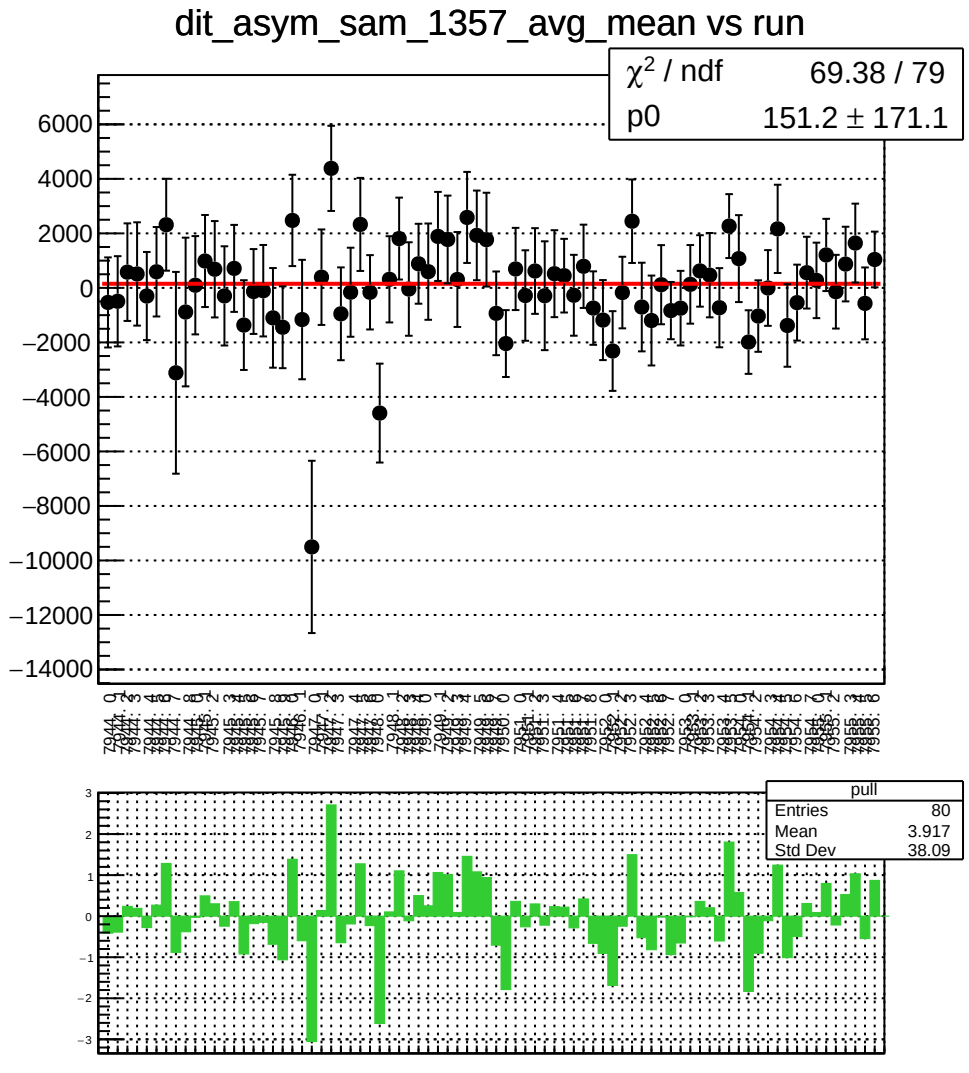

pull1D
Entries 80
Mean −0.02814
Std Dev 0.9778

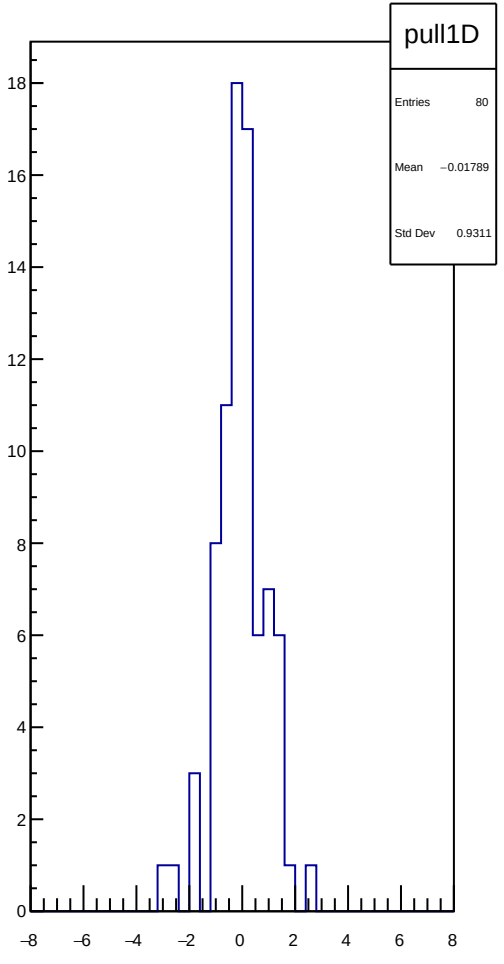

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3080 / 79
p0 209.9 ± 0.1683
240
230
220
210
200
190

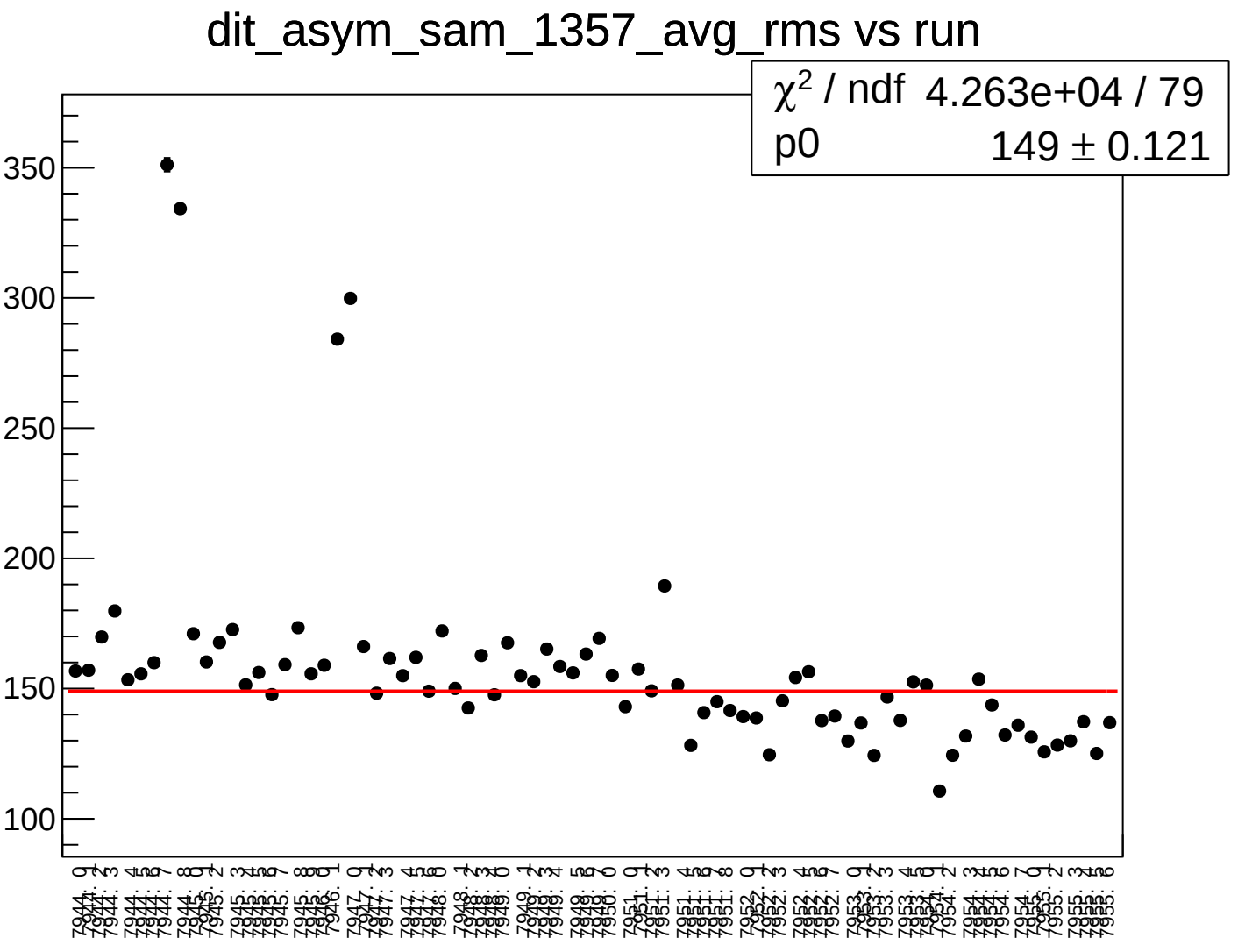

asym_sam_37_26_dd_mean vs run
χ² / ndf 75.38 / 79
p0 325.1 ± 229.4
pull
Entries 80
Mean −201.6
Std Dev 240.9

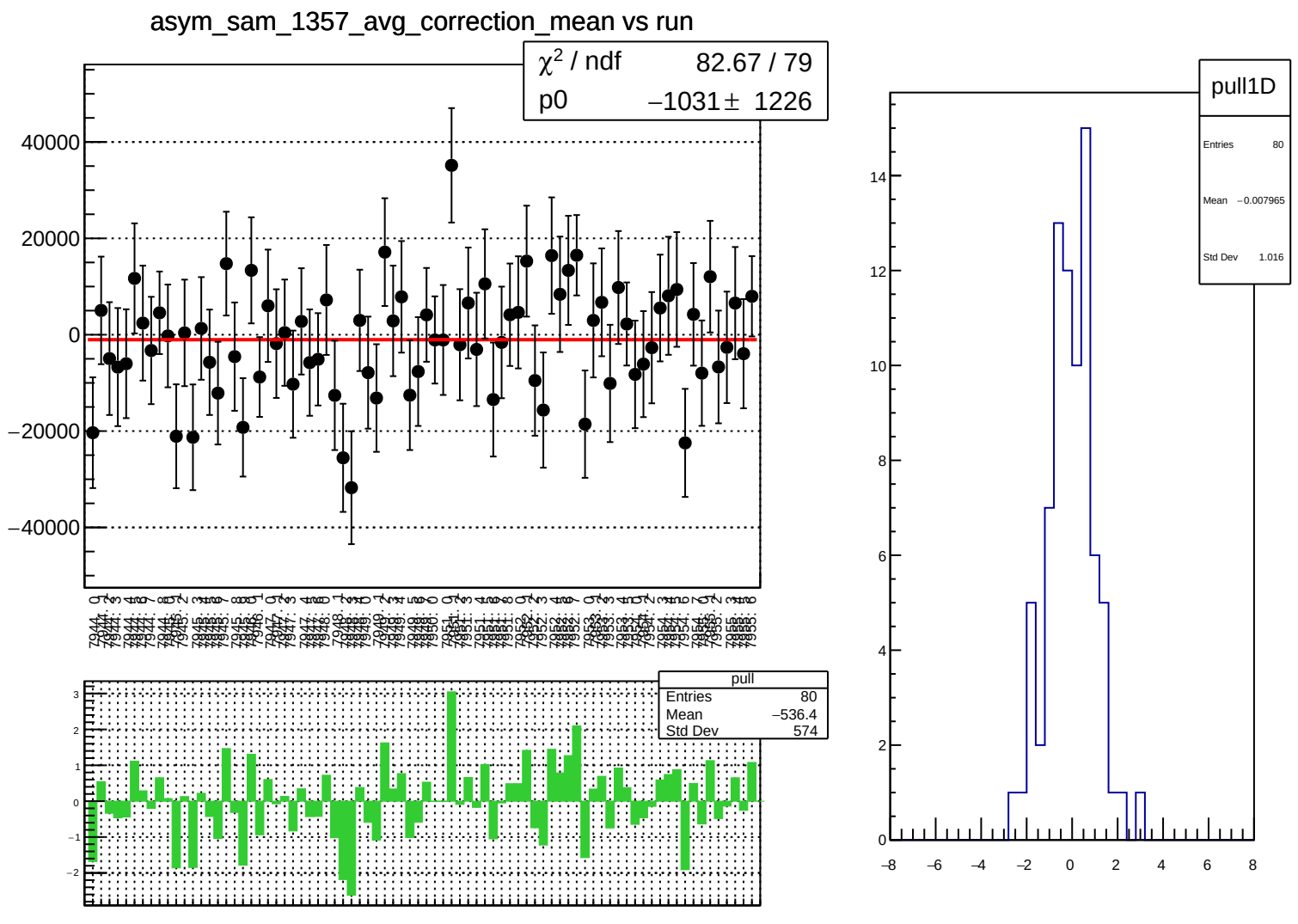

pull1D
Entries 80
Mean 0.02238
Std Dev 0.9704

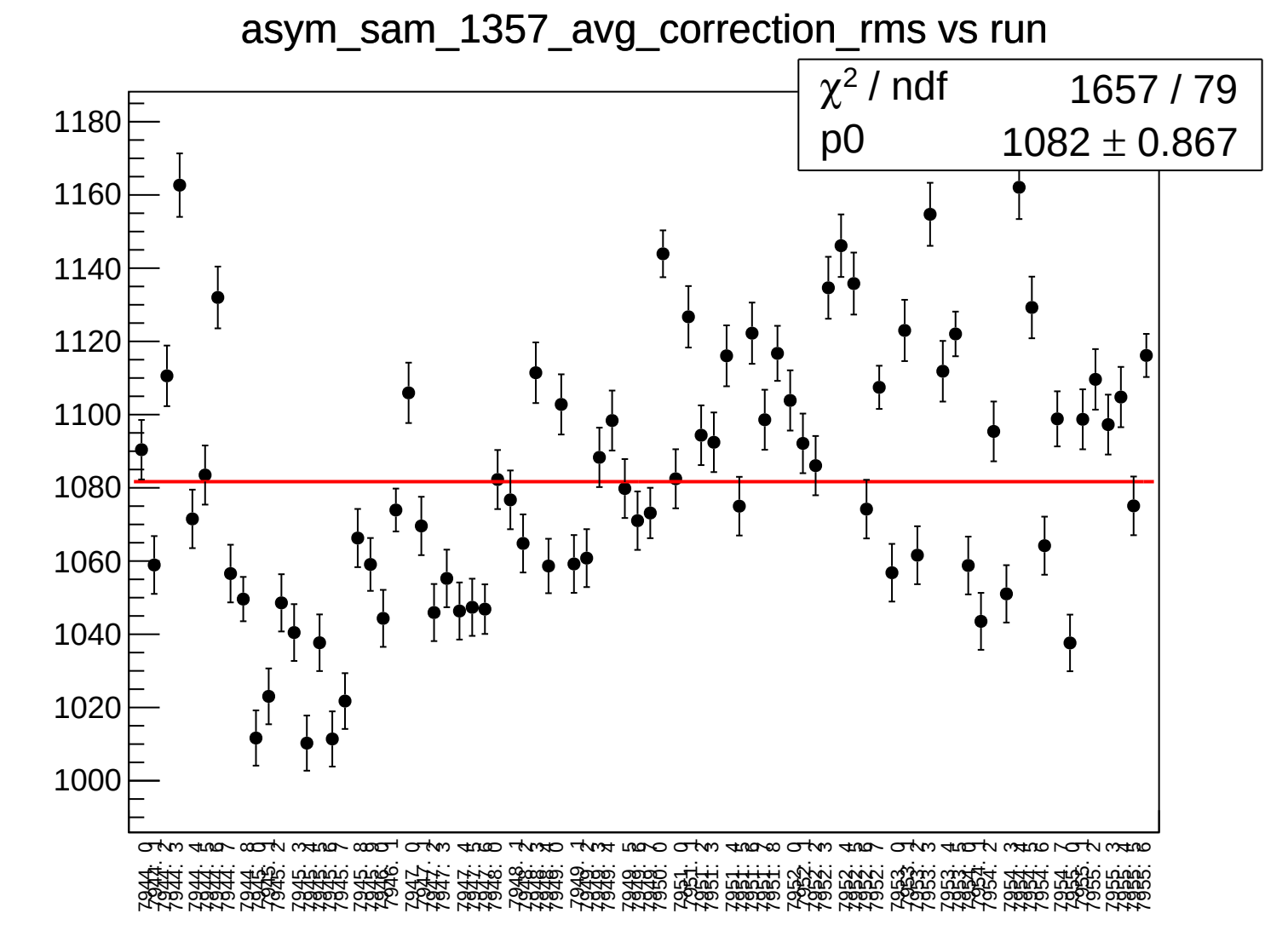

asym_sam_37_26_dd_rms vs run
χ² / ndf 3589 / 79
p0 202.2 ± 0.1622
250
240
230
220
210
200
190
180

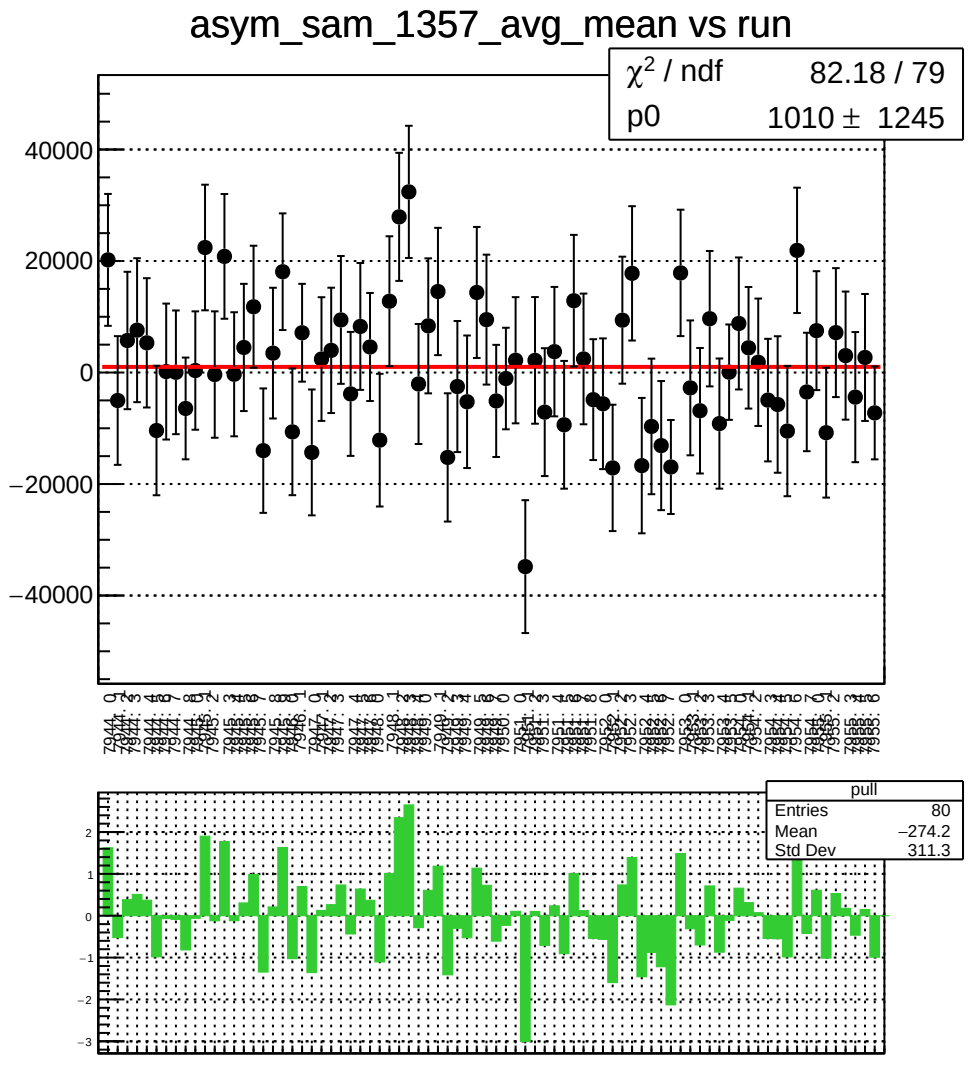

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 69.38 / 79
p0 151.2 ± 171.1
pull
Entries 80
Mean 3.917
Std Dev 38.09

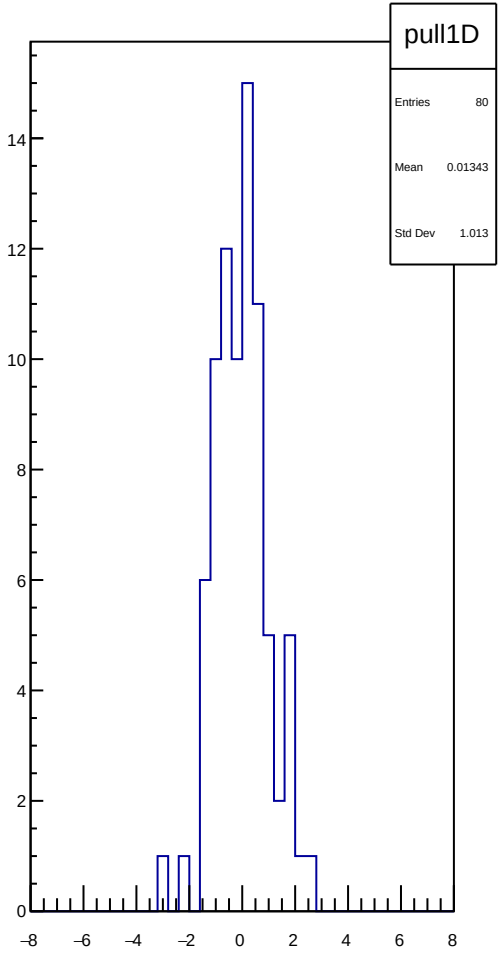

pull1D
Entries 80
Mean −0.01789
Std Dev 0.9311

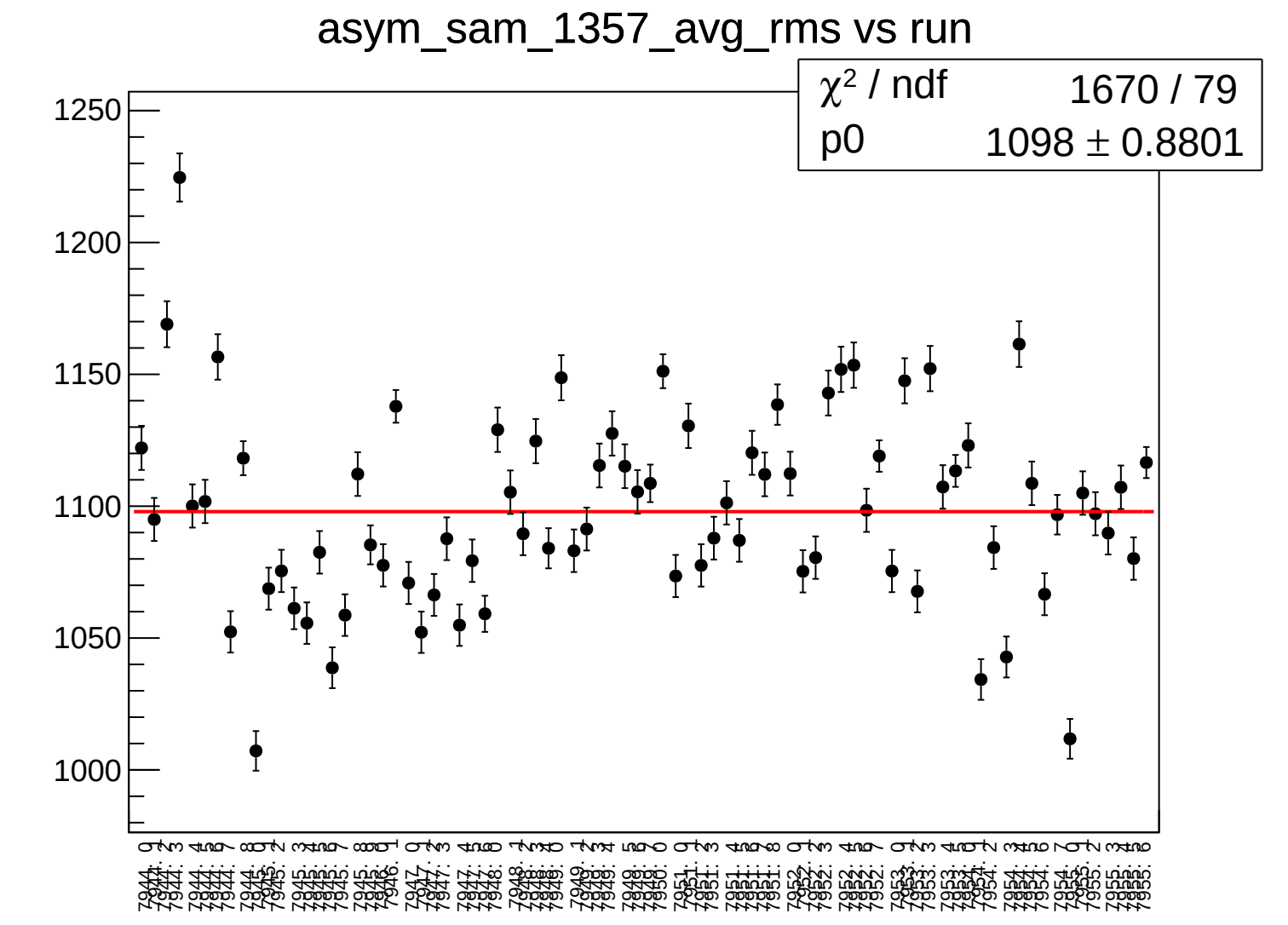

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 4.263e+04 / 79
p0 149 ± 0.121
350
300
250
200
150
100

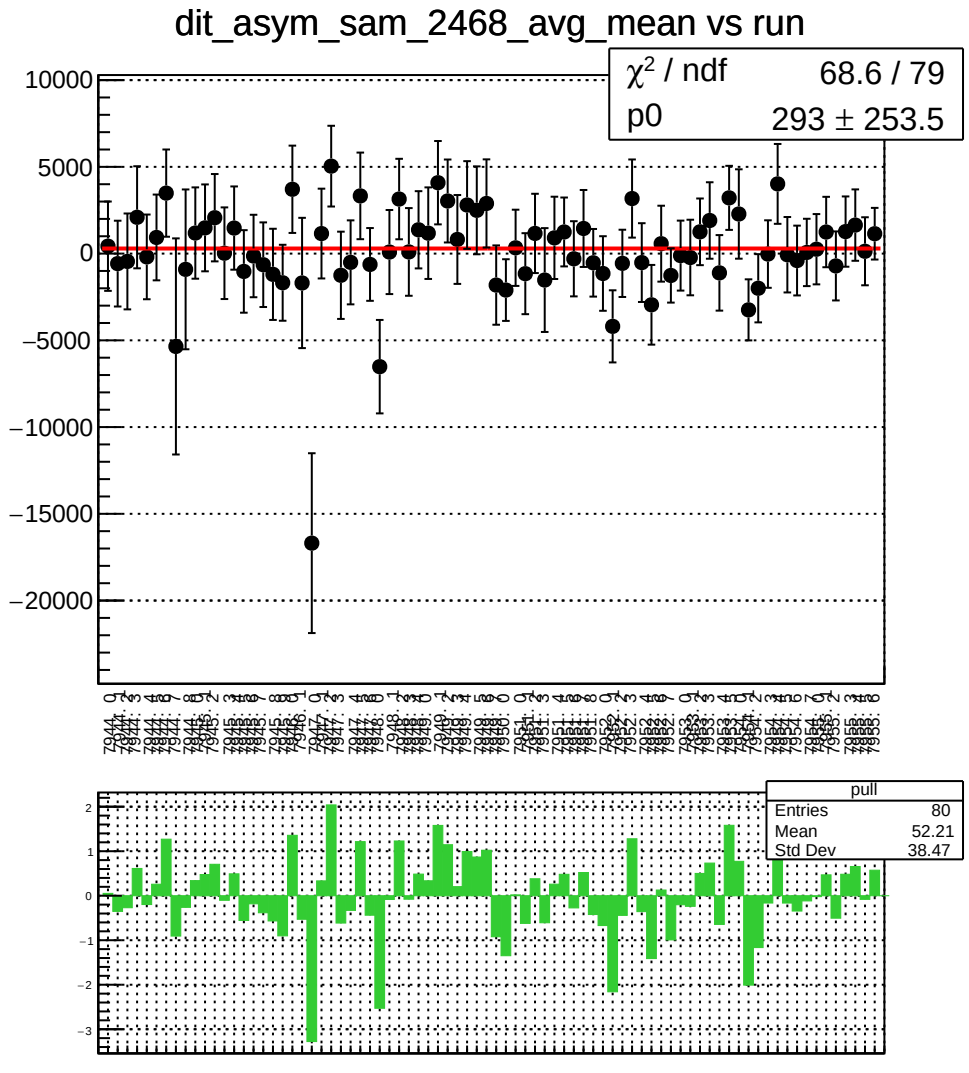

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 82.67 / 79
p0 −1031 ± 1226
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −536.4
Std Dev 574
pull1D
Entries 80
Mean −0.007965
Std Dev 1.016

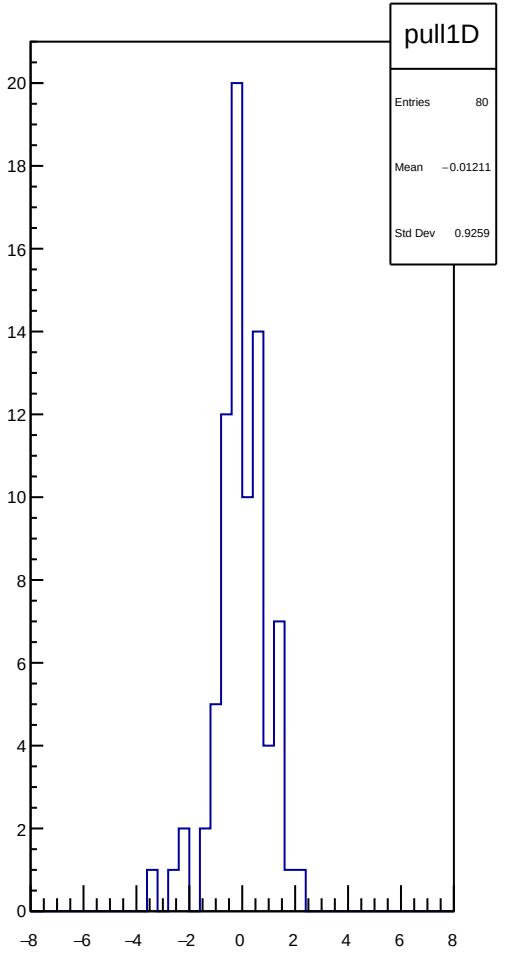

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1657 / 79
p0 1082 ± 0.867
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000

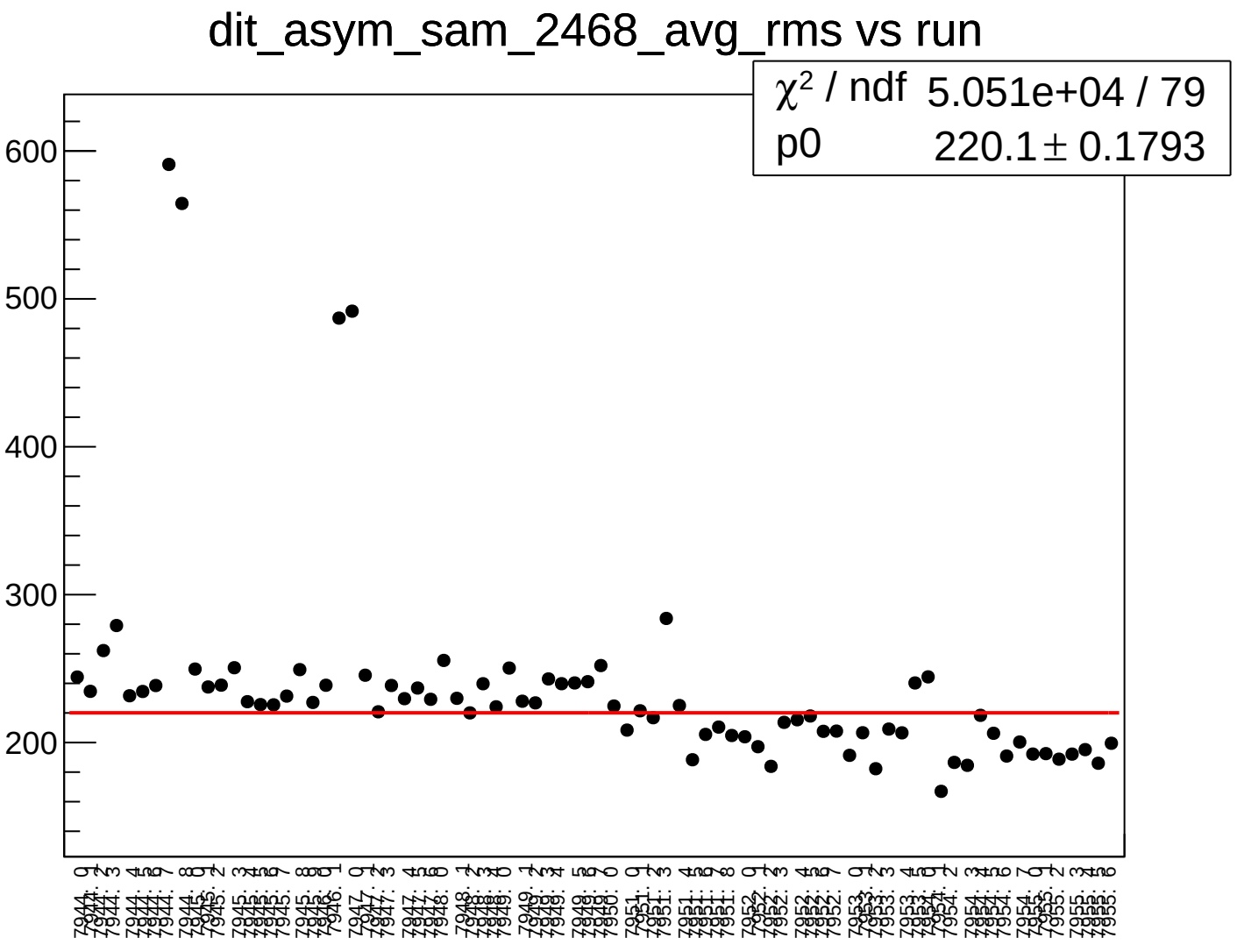

asym_sam_1357_avg_mean vs run
χ² / ndf 82.18 / 79
p0 1010 ± 1245
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −274.2
Std Dev 311.3
2
1
0
−1
−2
−3

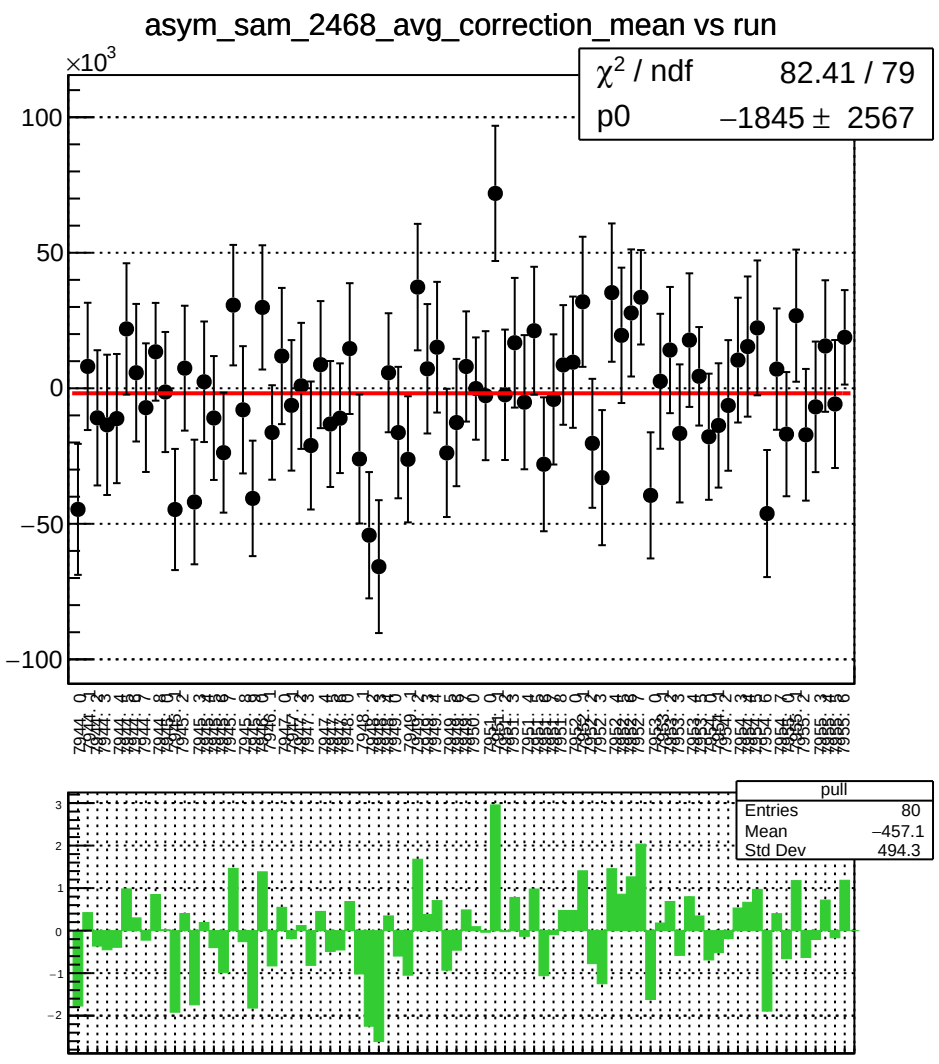

pull1D
Entries 80
Mean 0.01343
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

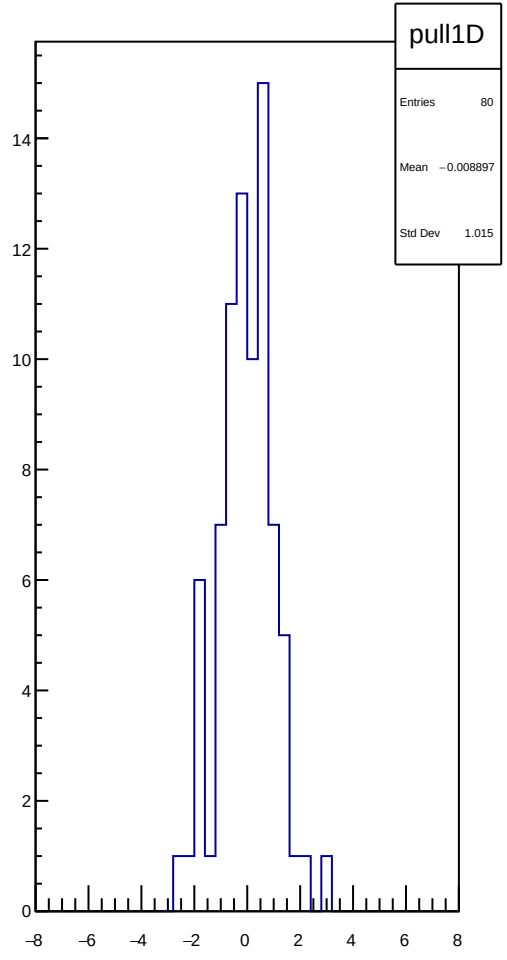

asym_sam_1357_avg_rms vs run
χ² / ndf 1670 / 79
p0 1098 ± 0.8801
1250
1200
1150
1100
1050
1000

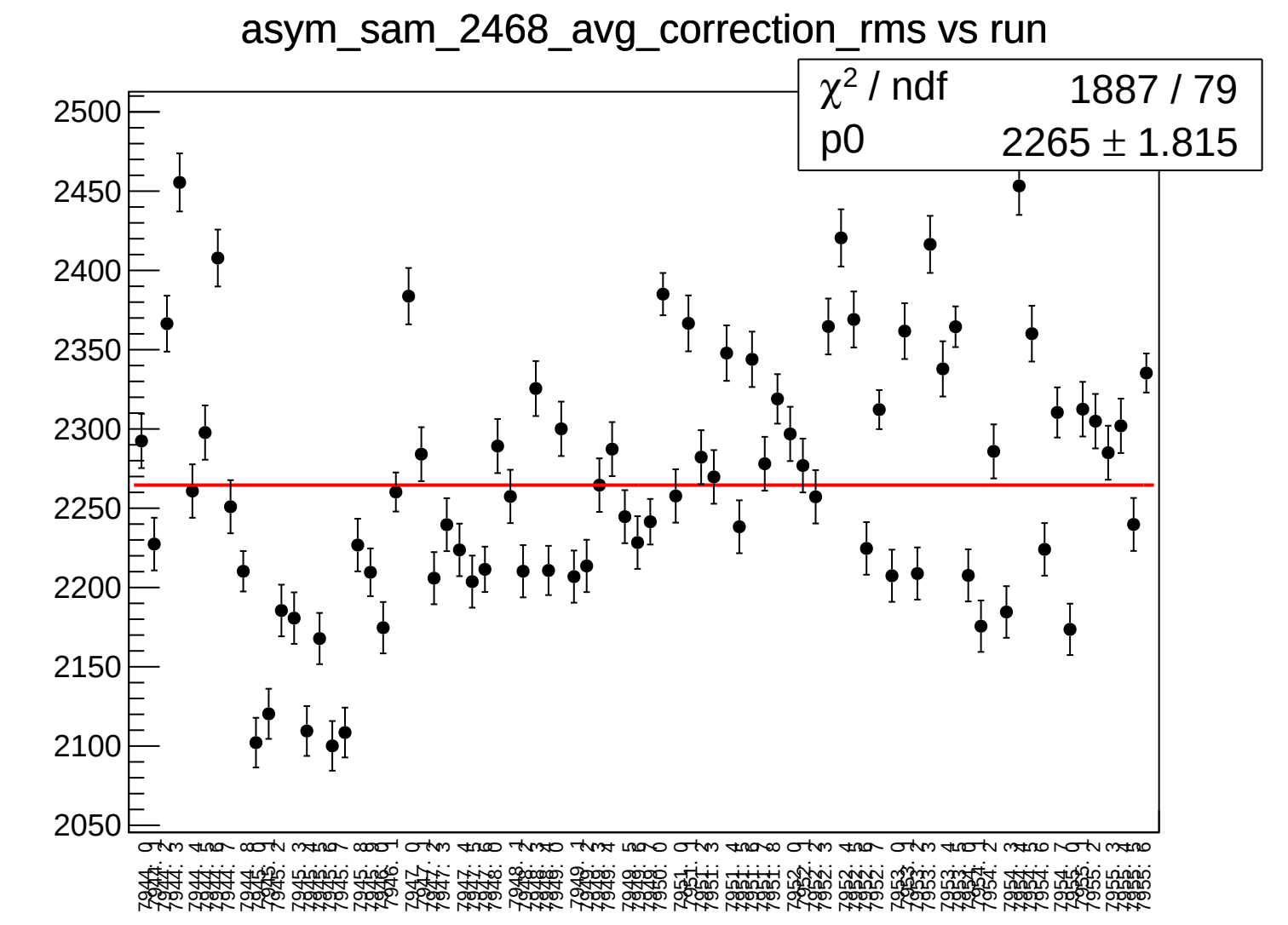

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 68.6 / 79
p0 293 ± 253.5
pull
Entries 80
Mean 52.21
Std Dev 38.47

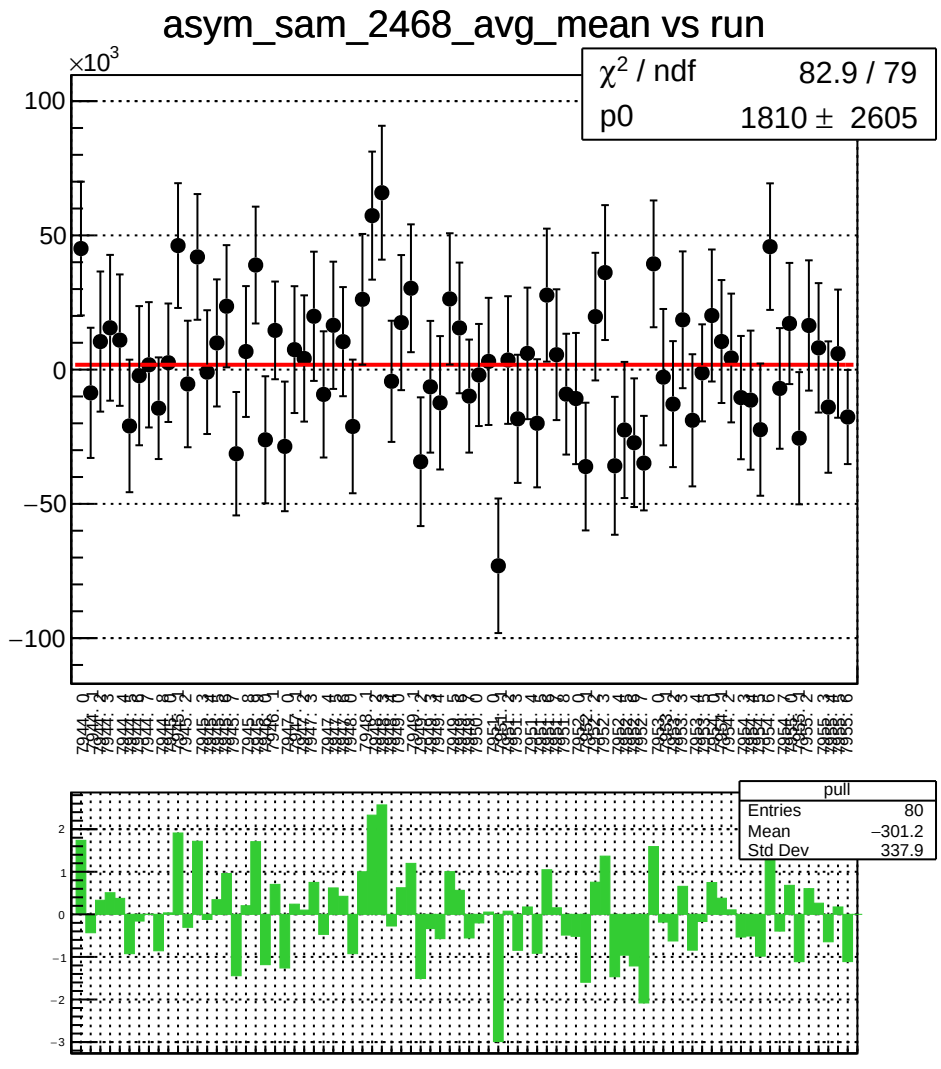

pull1D
Entries 80
Mean −0.01211
Std Dev 0.9259

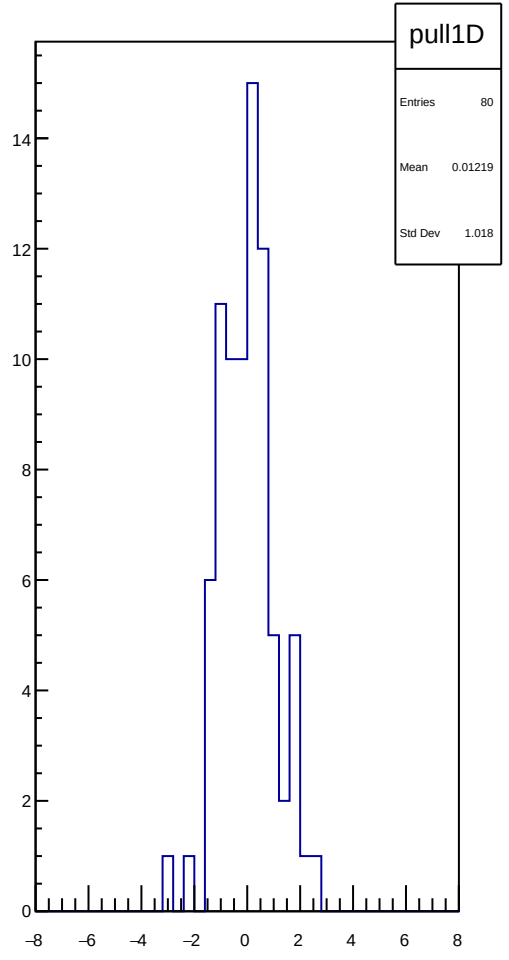

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5.051e+04 / 79
p0 220.1 ± 0.1793
600
500
400
300
200

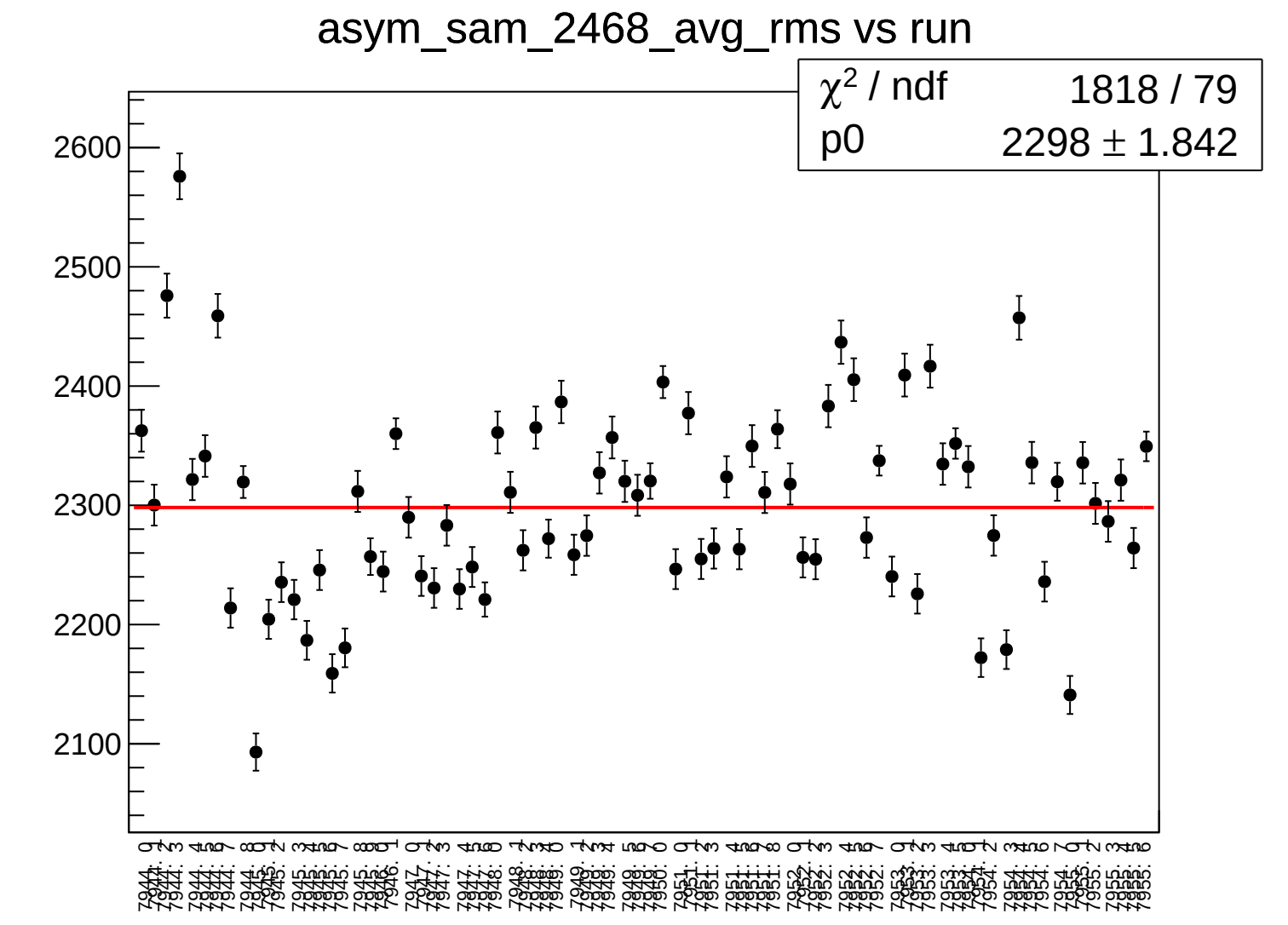

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 82.41 / 79
p0 −1845 ± 2567
100
50
0
−50
−100
pull
Entries 80
Mean −457.1
Std Dev 494.3
3
2
1
0
−1
−2

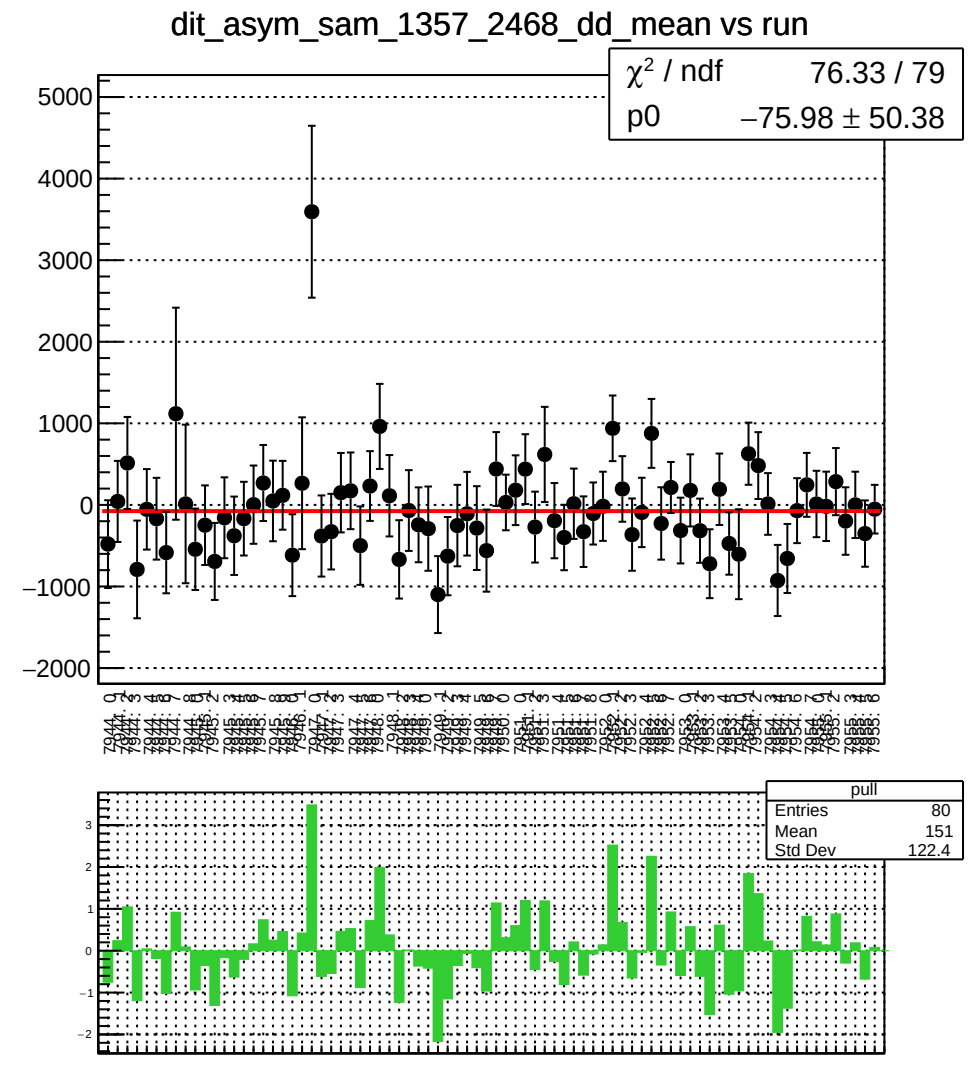

pull1D
Entries 80
Mean −0.008897
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

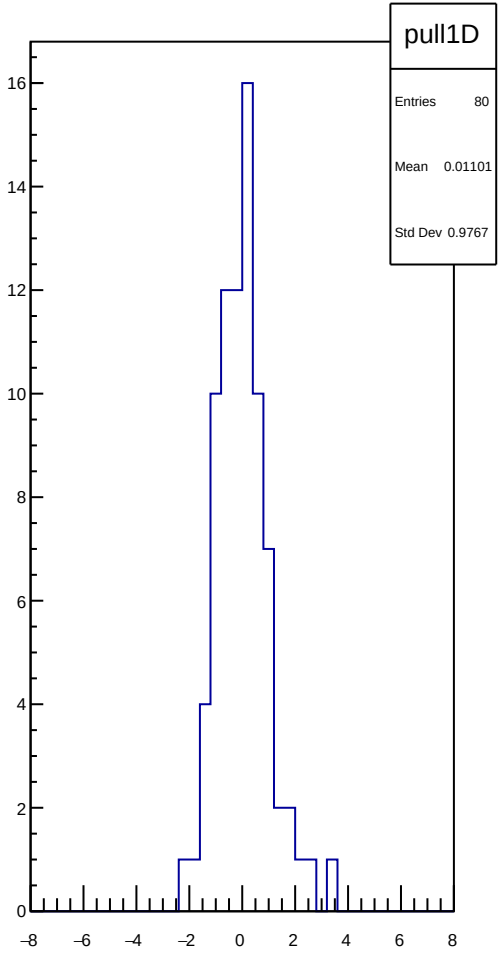

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1887 / 79
p0 2265 ± 1.815
2500
2450
2400
2350
2300
2250
2200
2150
2100
2050

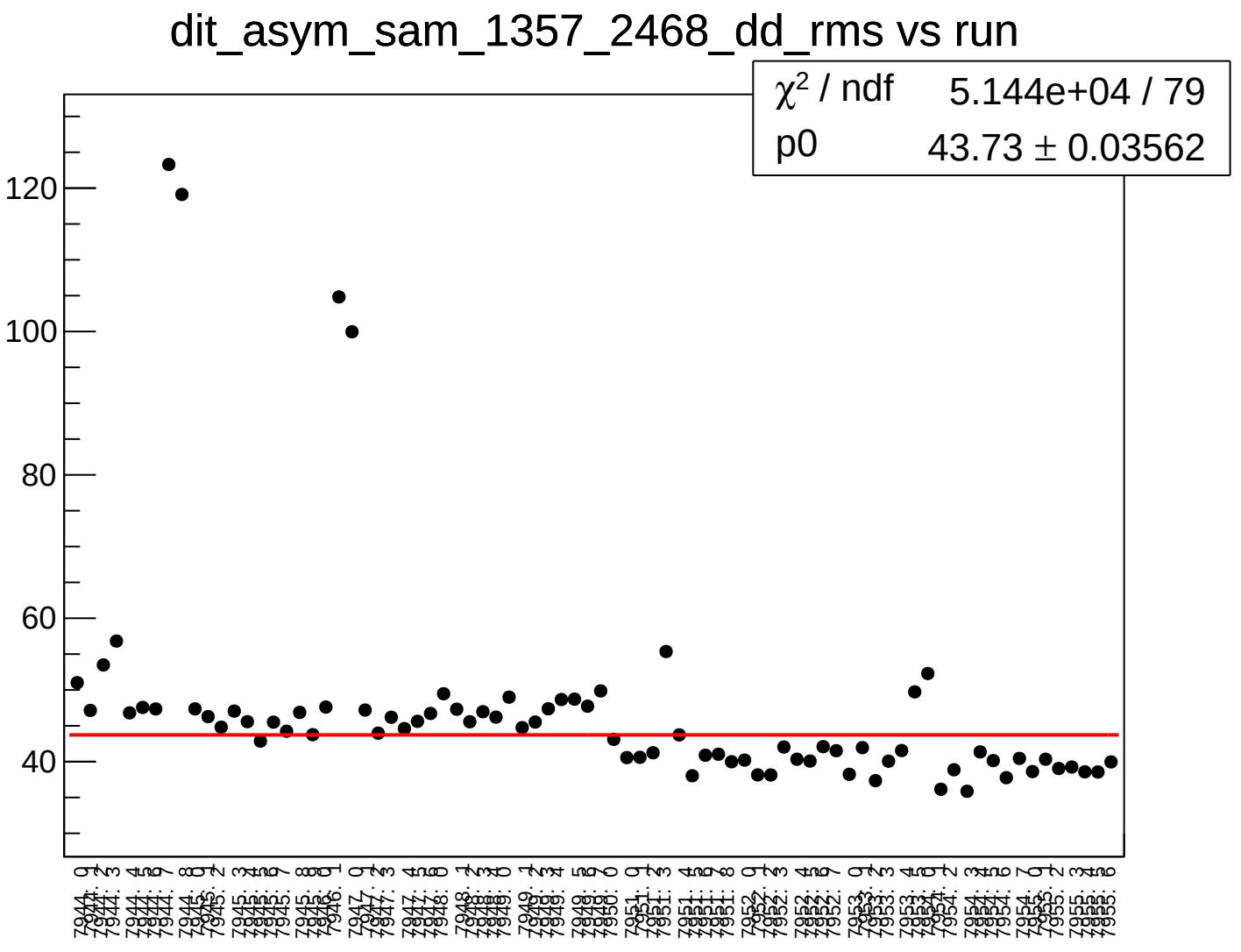

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 82.9 / 79
p0 1810 ± 2605
100
50
0
−50
−100
pull
Entries 80
Mean −301.2
Std Dev 337.9
2
1
0
−1
−2
−3

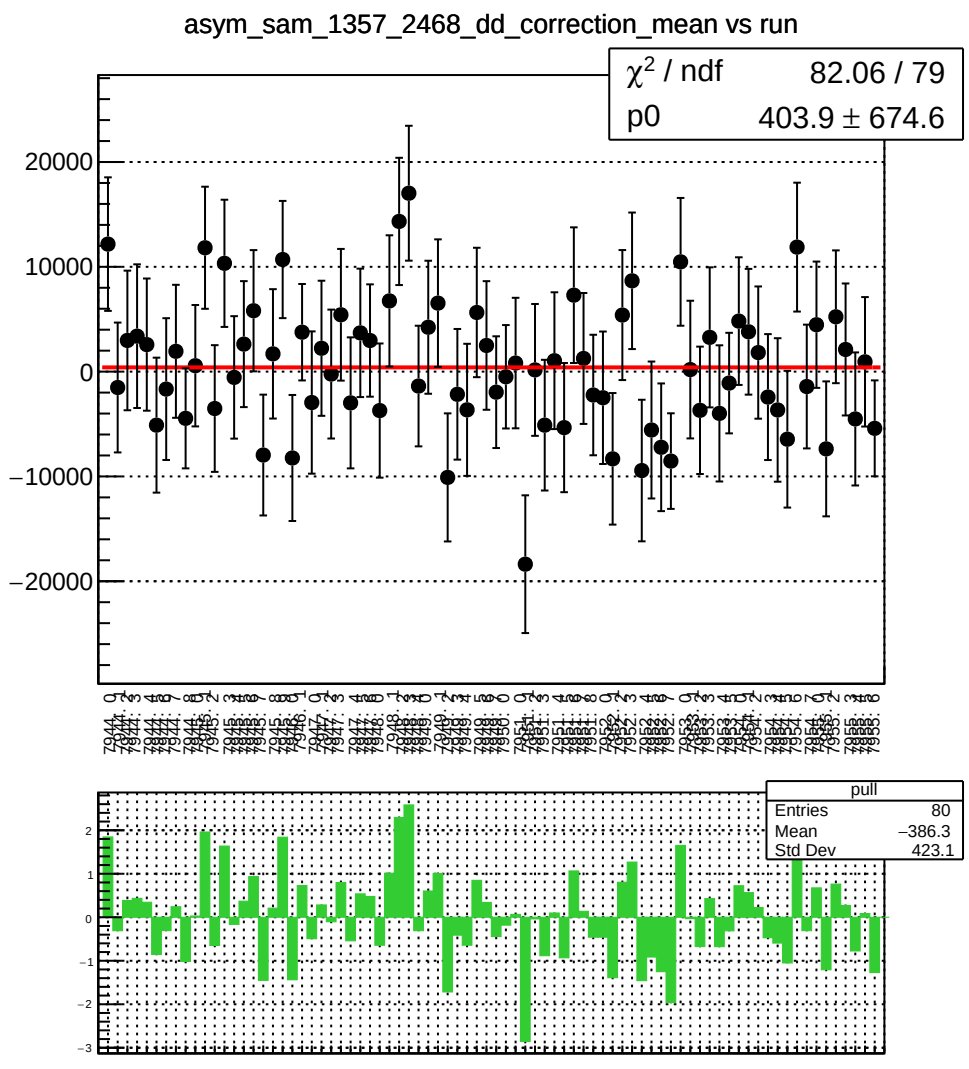

pull1D
Entries 80
Mean 0.01219
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

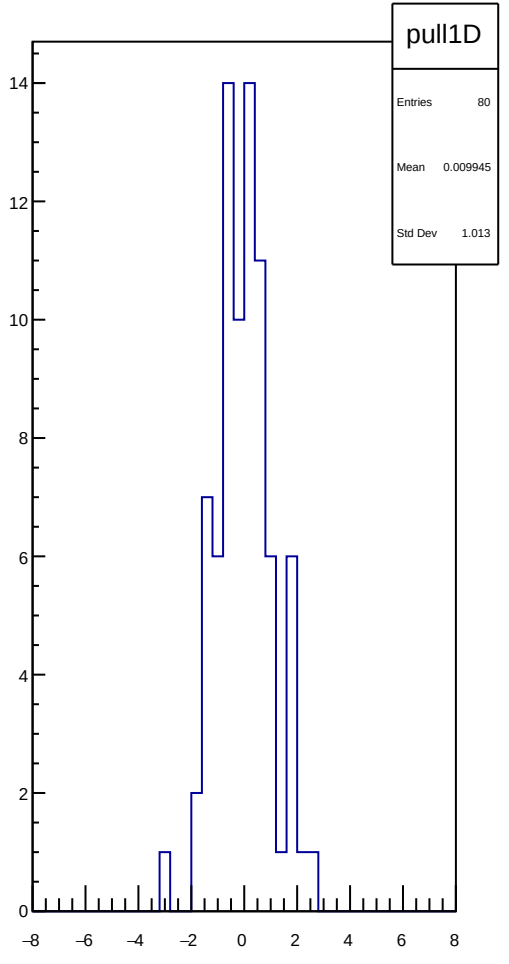

asym_sam_2468_avg_rms vs run
χ^2 / ndf 1818 / 79
p0 2298 ± 1.842
2600
2500
2400
2300
2200
2100

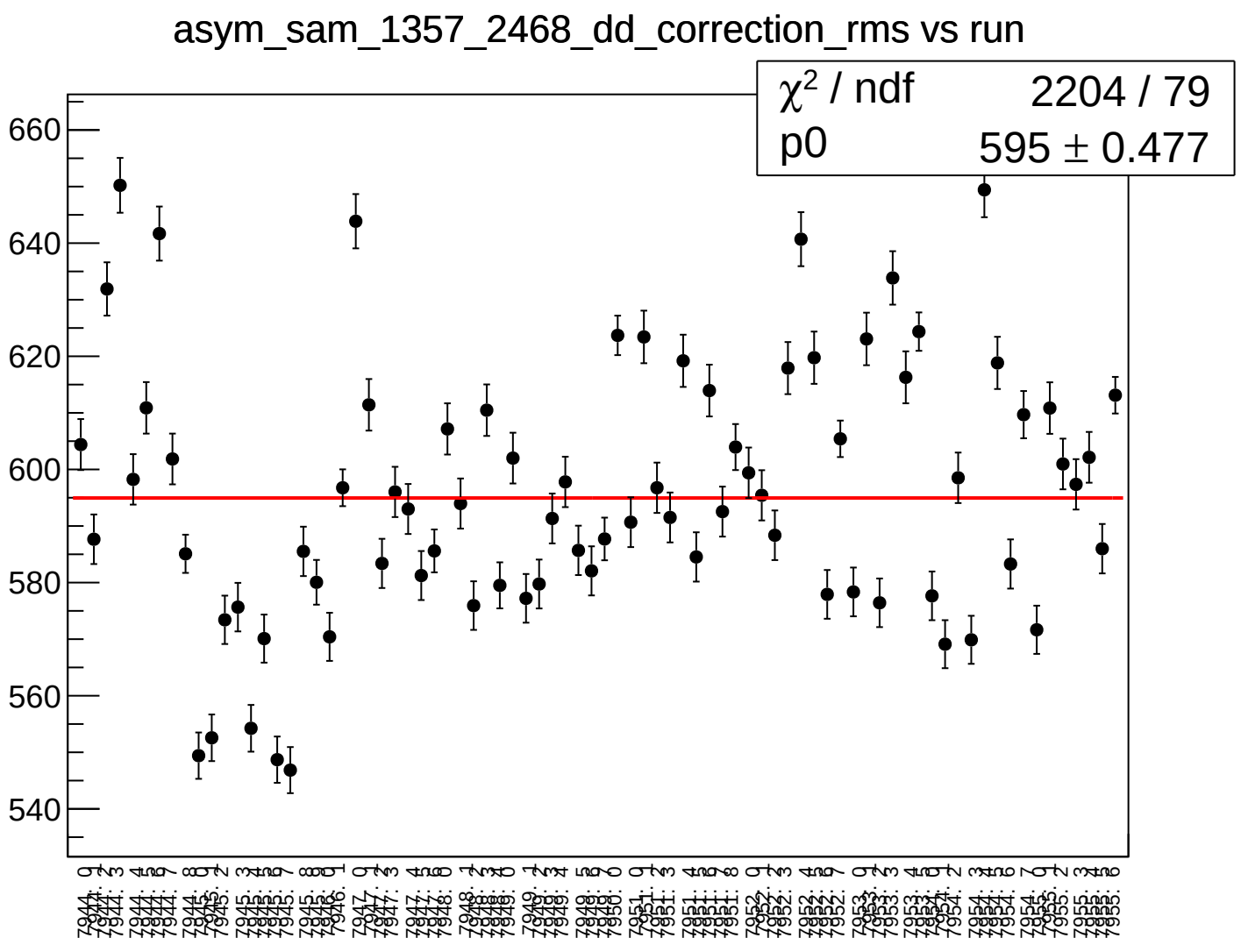

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 76.33 / 79
p0 −75.98 ± 50.38
pull
Entries 80
Mean 151
Std Dev 122.4

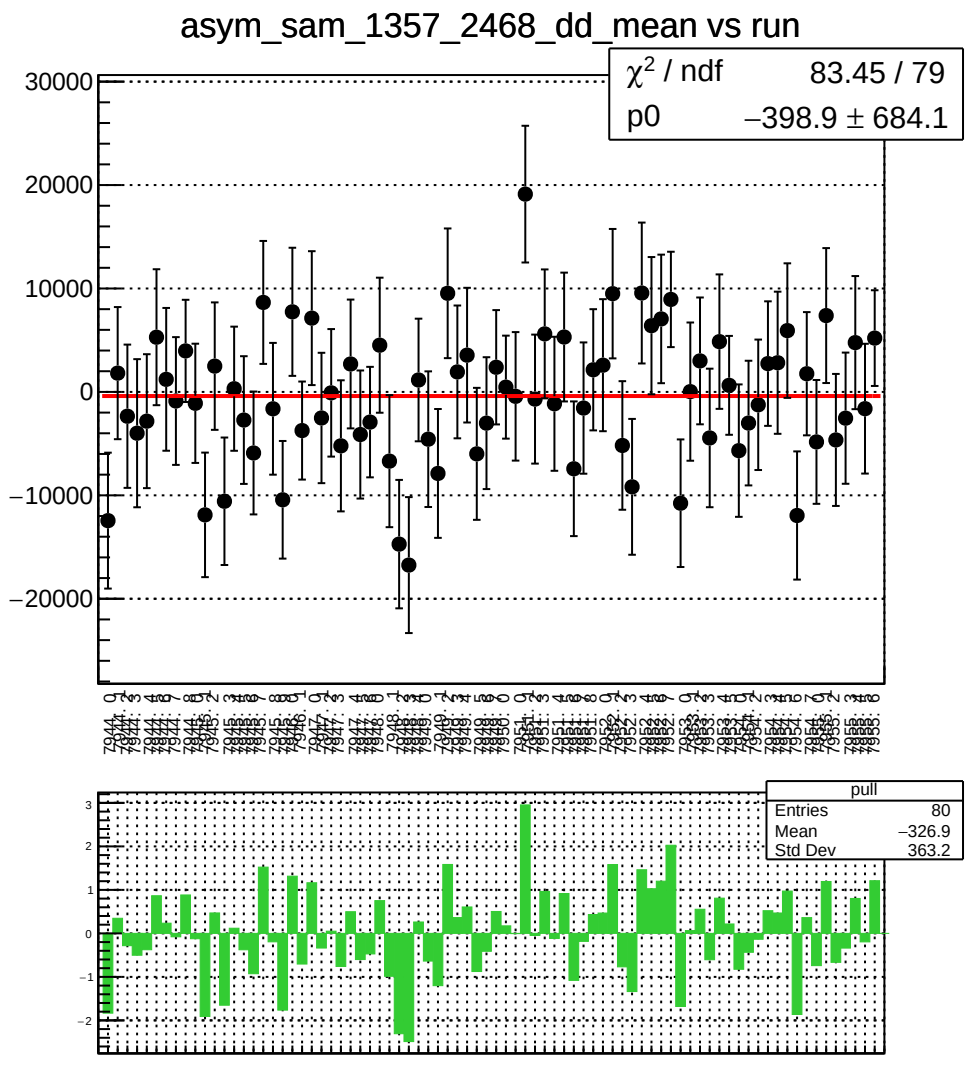

pull1D
Entries 80
Mean 0.01101
Std Dev 0.9767

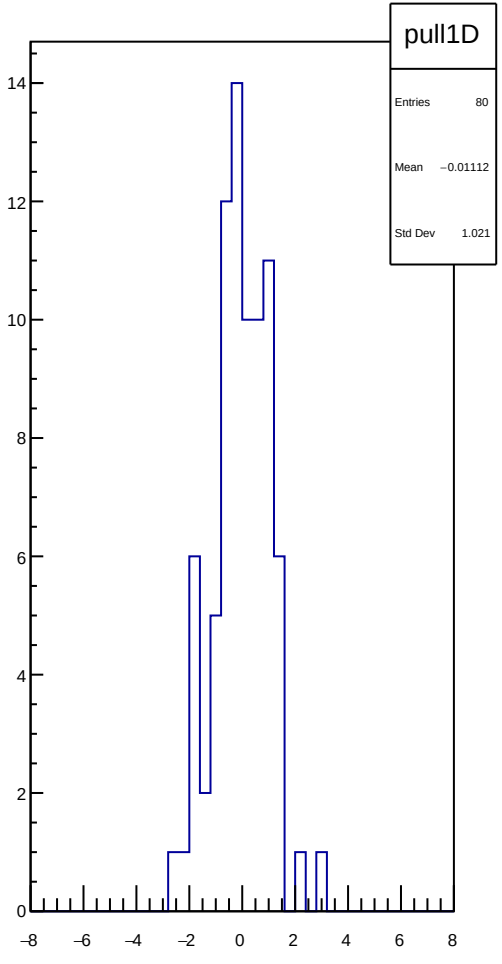

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 5.144e+04 / 79
p0 43.73 ± 0.03562
120
100
80
60
40

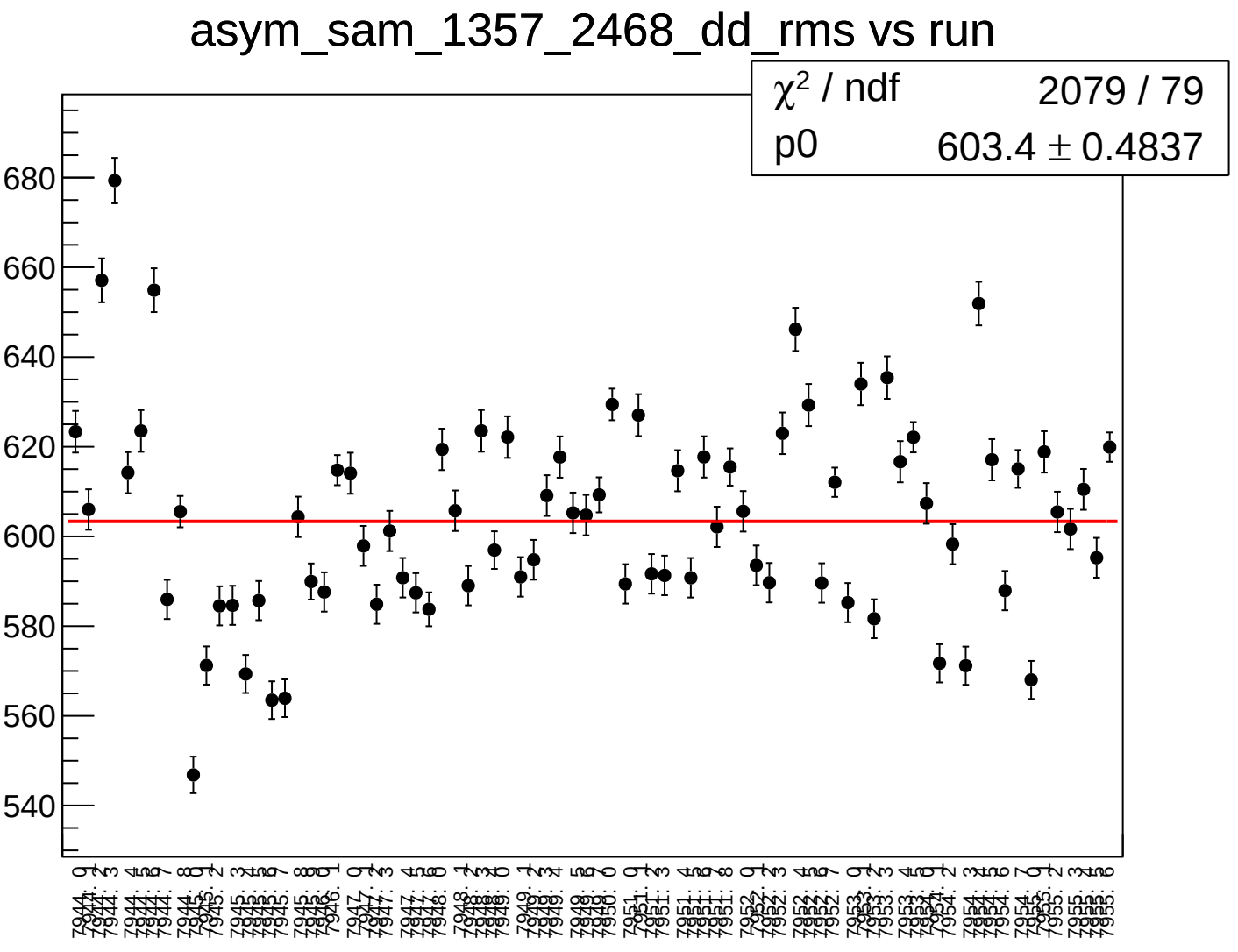

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 82.06 / 79
p0 403.9 ± 674.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −386.3
Std Dev 423.1
2
1
0
−1
−2
−3

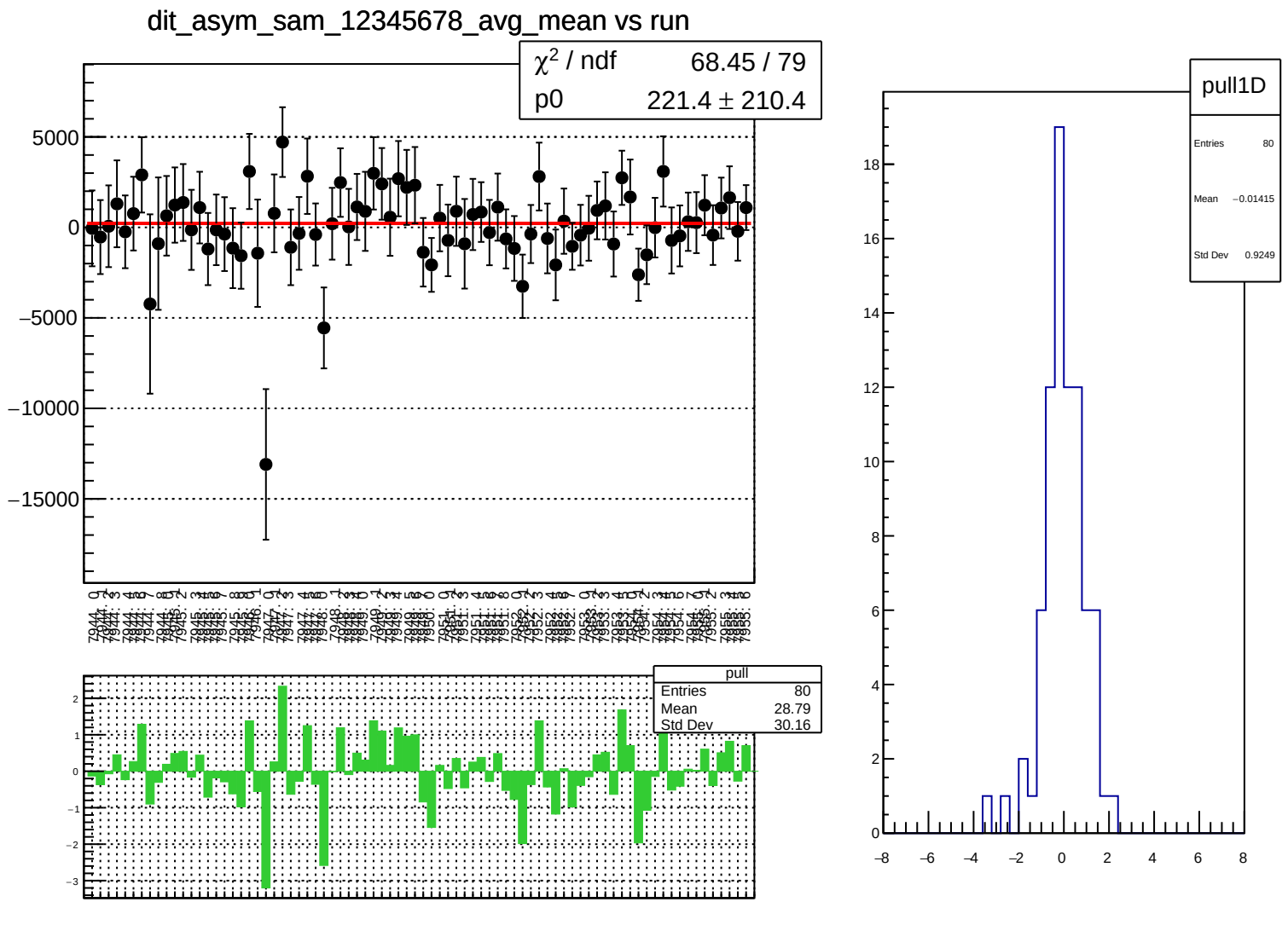

pull1D
Entries 80
Mean 0.009945
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

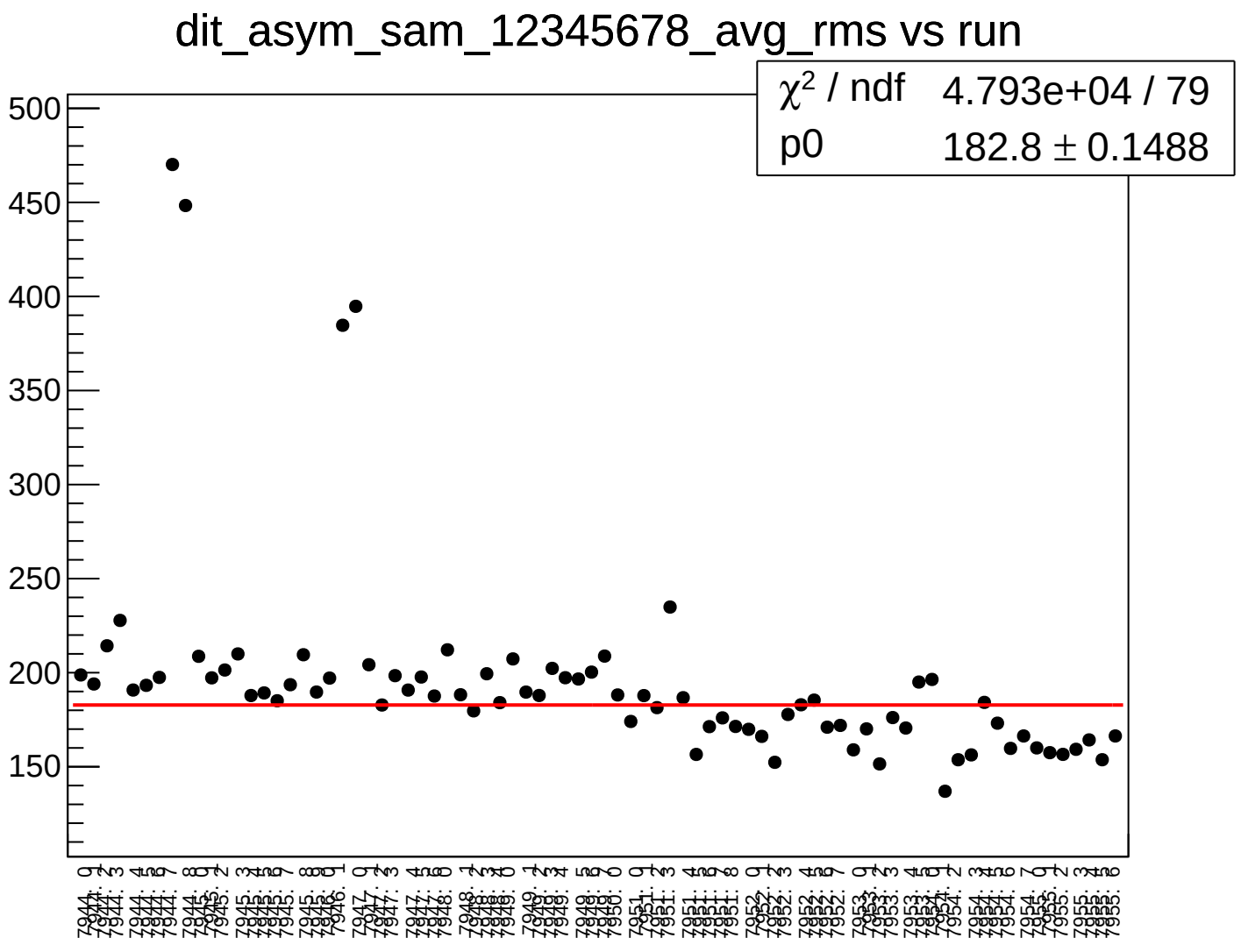

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2204 / 79
p0 595 ± 0.477
660
640
620
600
580
560
540

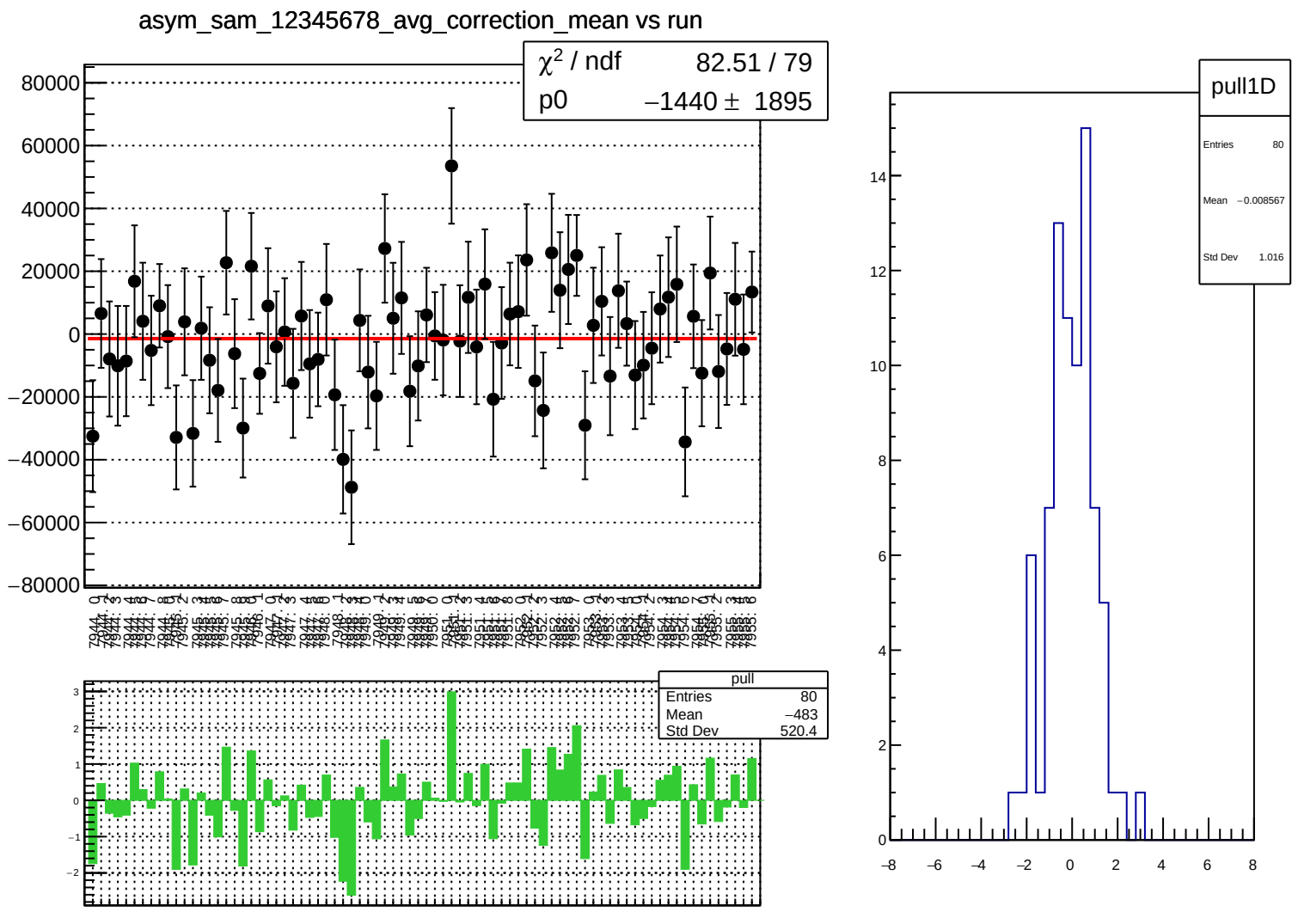

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.45 / 79
p0 −398.9 ± 684.1
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −326.9
Std Dev 363.2
3
2
1
0
−1
−2

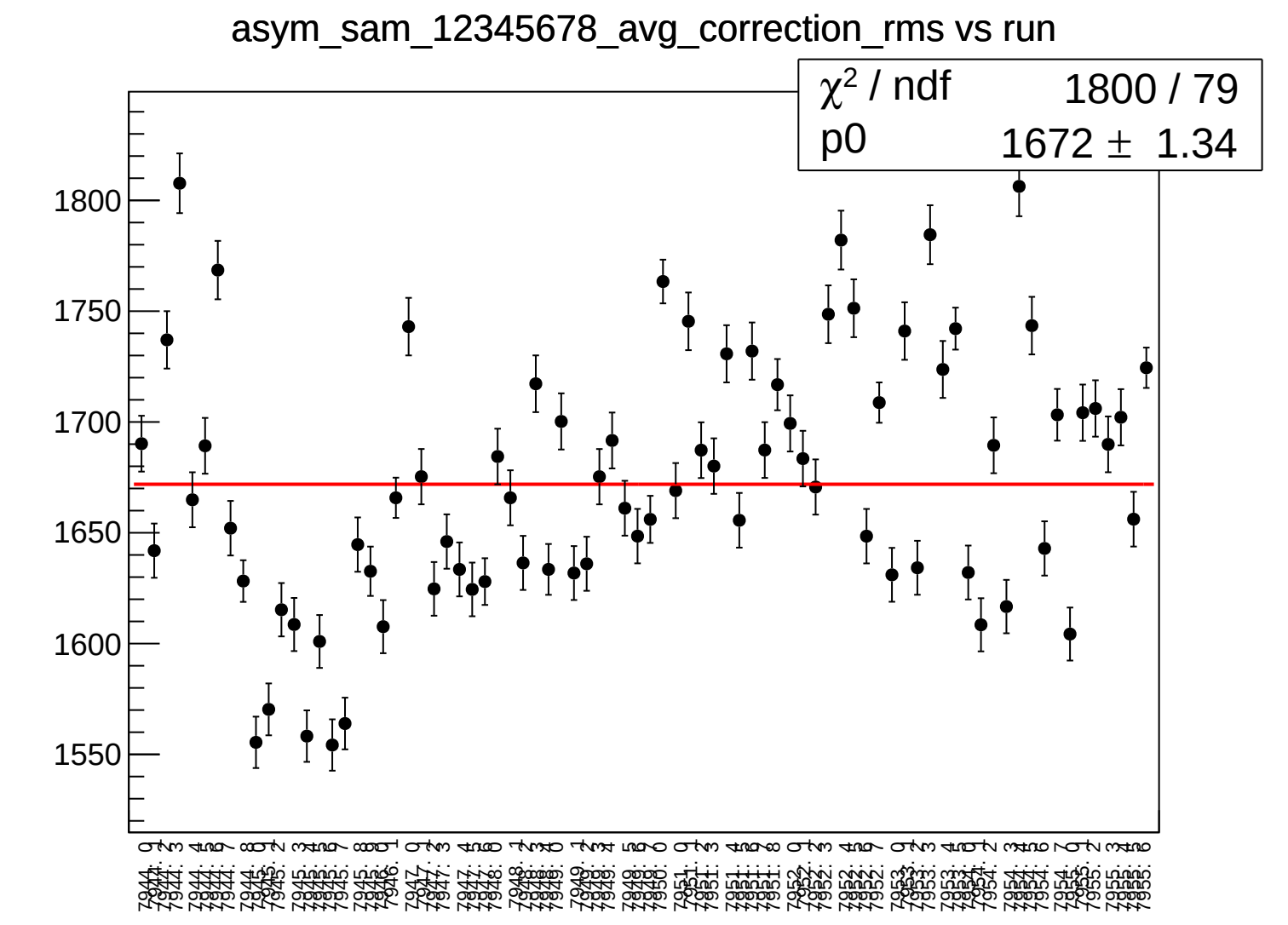

pull1D
Entries 80
Mean −0.01112
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

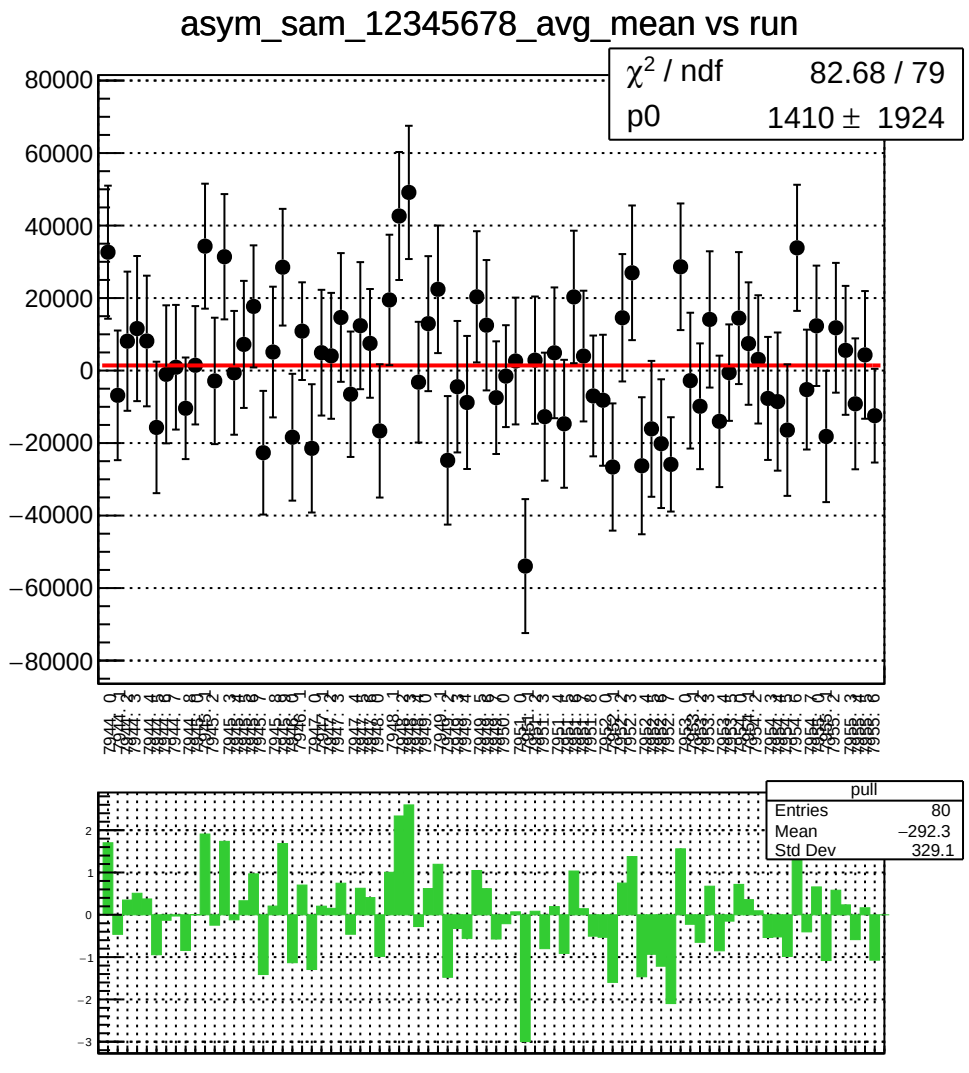

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2079 / 79
p0 603.4 ± 0.4837
680
660
640
620
600
580
560
540

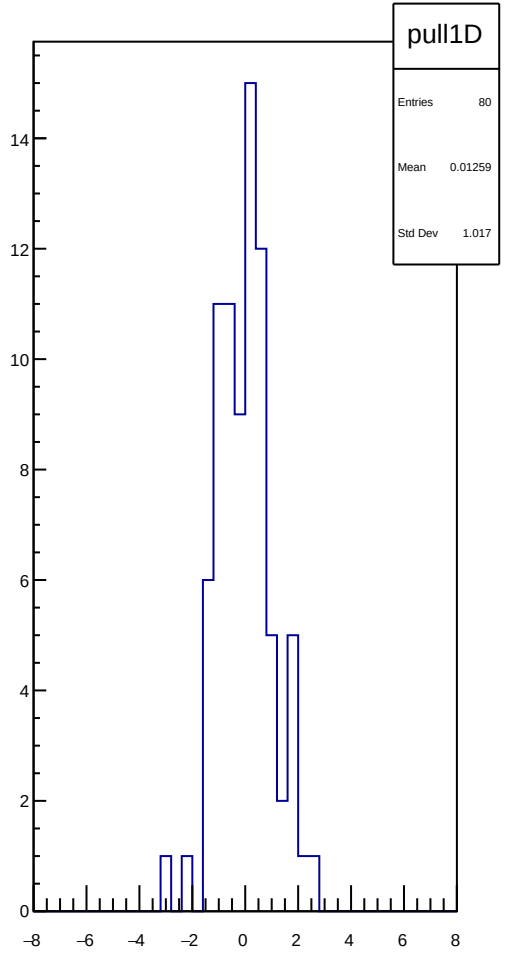

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 68.45 / 79
p0 221.4 ± 210.4
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 28.79
Std Dev 30.16
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.01415
Std Dev 0.9249
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

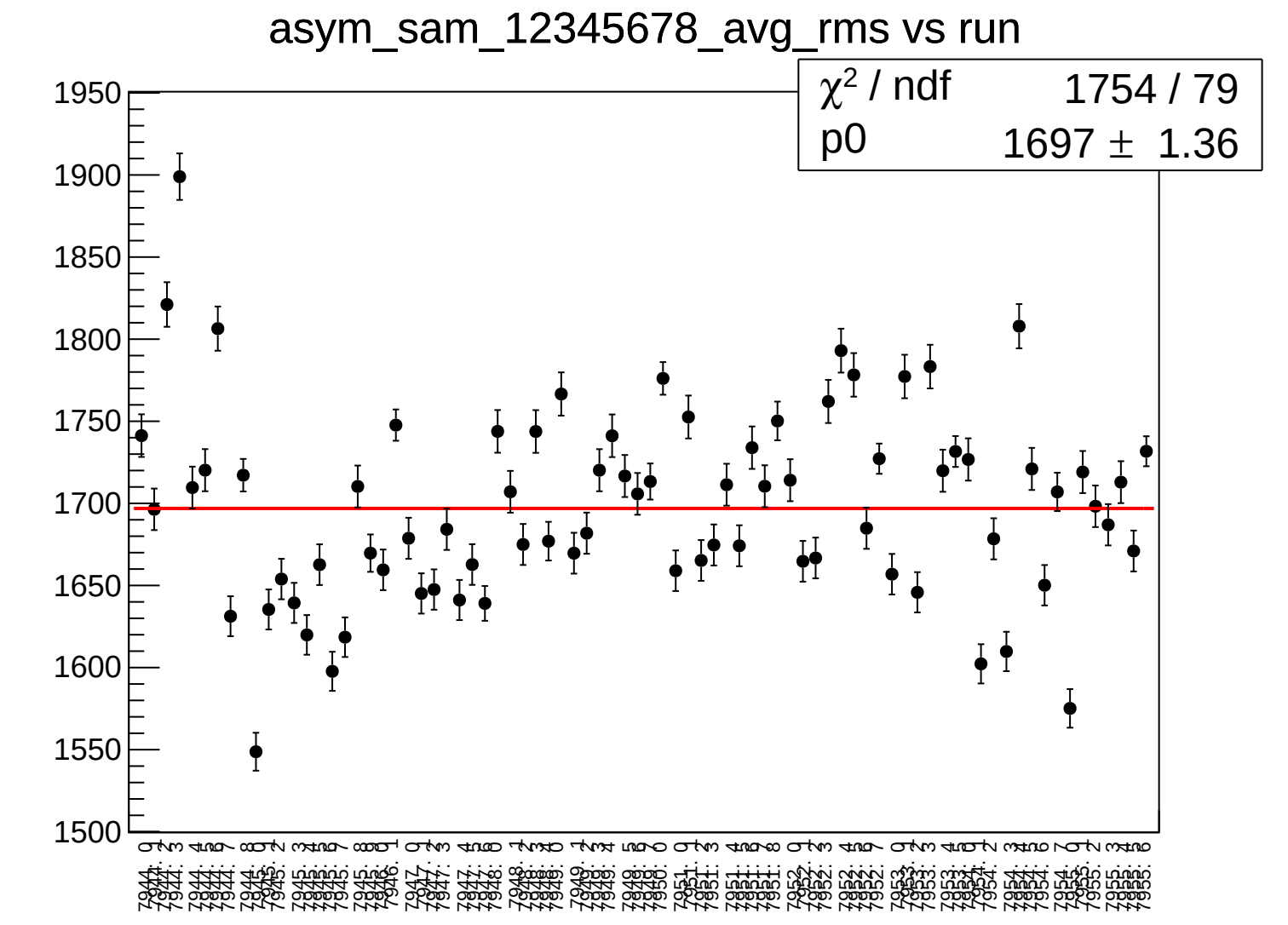

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.793e+04 / 79
p0 182.8 ± 0.1488
500
450
400
350
300
250
200
150

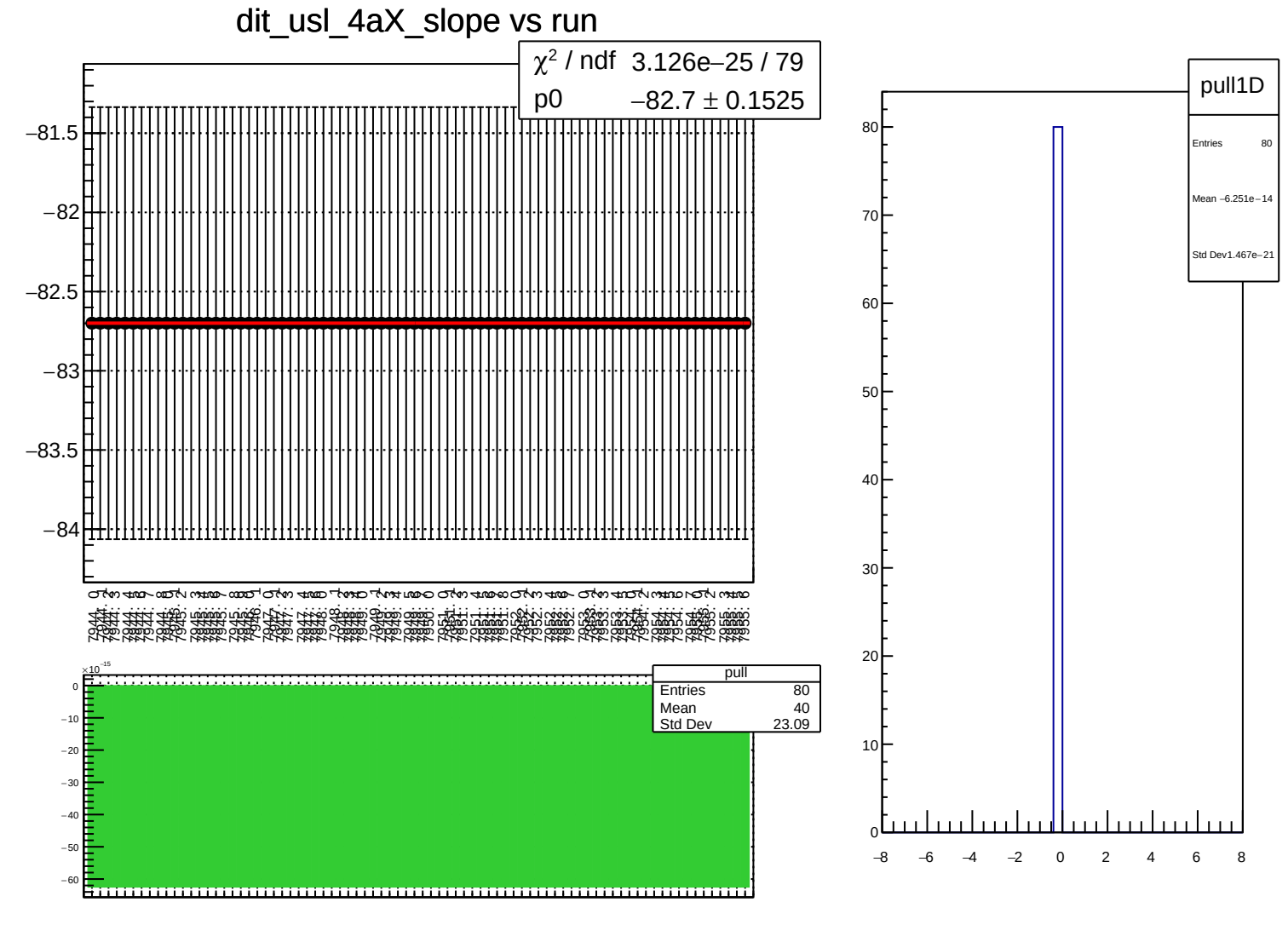

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 82.51 / 79
p0 −1440 ± 1895
pull
Entries 80
Mean −483
Std Dev 520.4
pull1D
Entries 80
Mean −0.008567
Std Dev 1.016

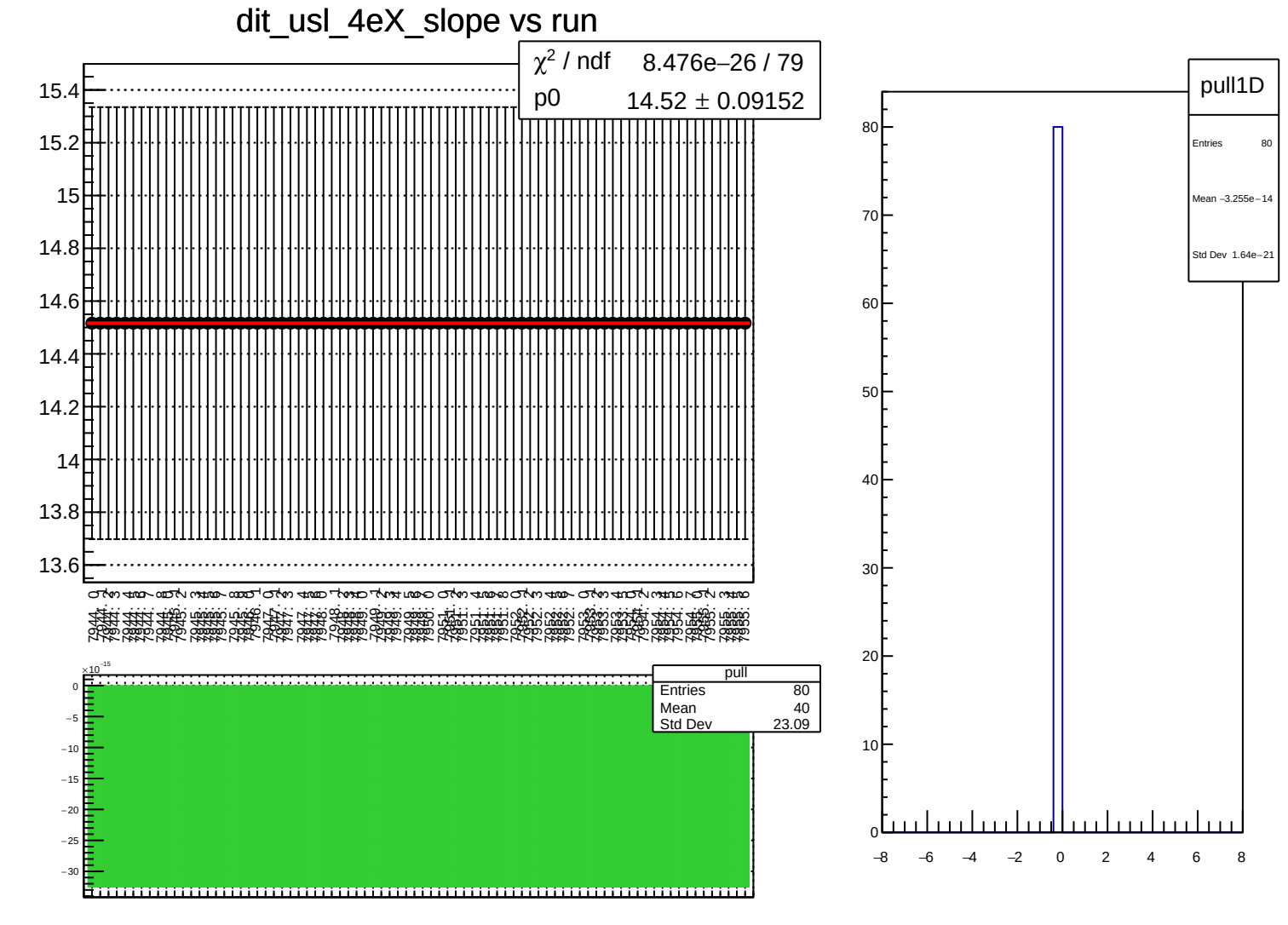

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1800 / 79
p0 1672 ± 1.34
1800
1750
1700
1650
1600
1550

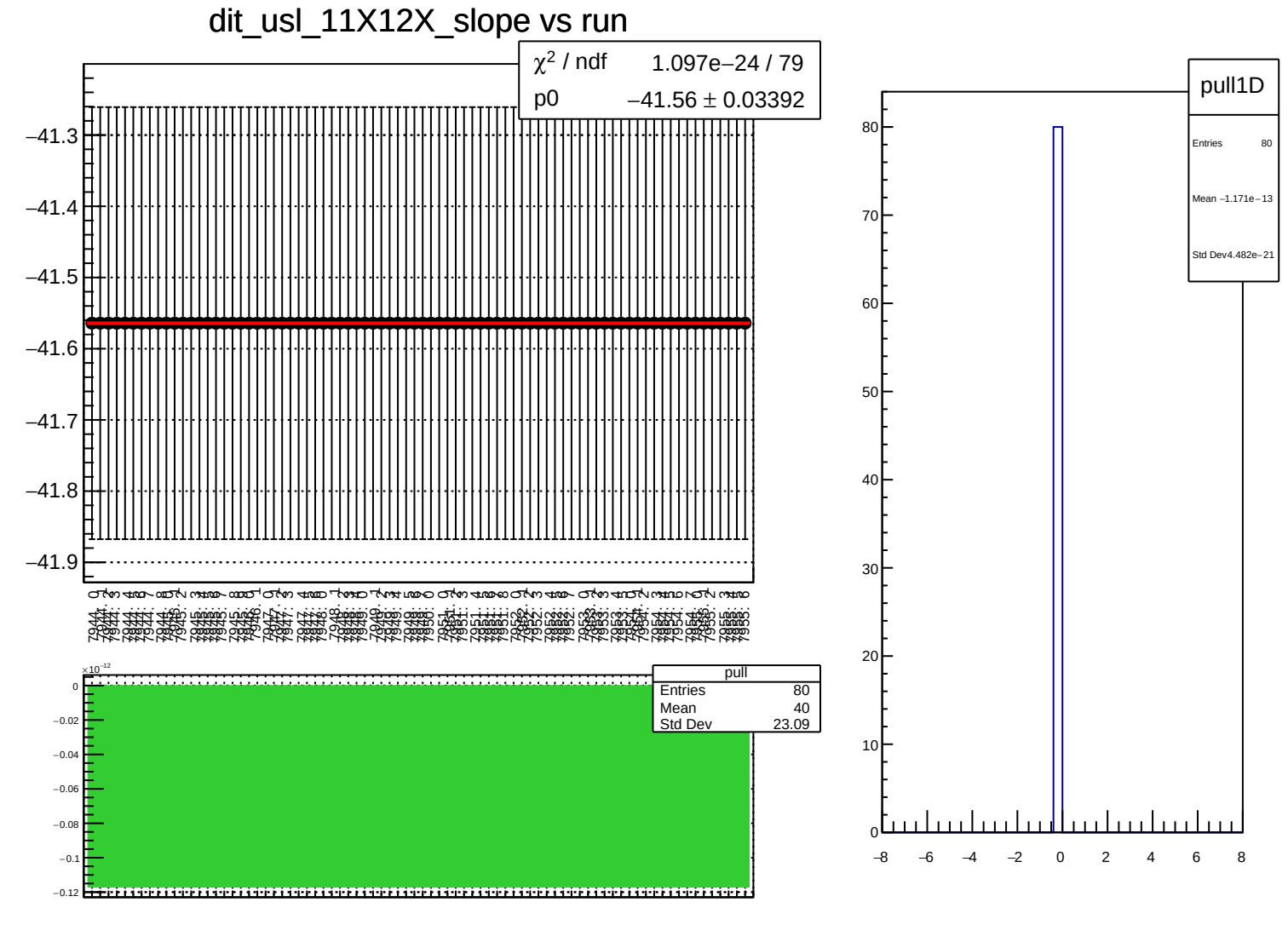

asym_sam_12345678_avg_mean vs run
χ² / ndf 82.68 / 79
p0 1410 ± 1924
pull
Entries 80
Mean −292.3
Std Dev 329.1

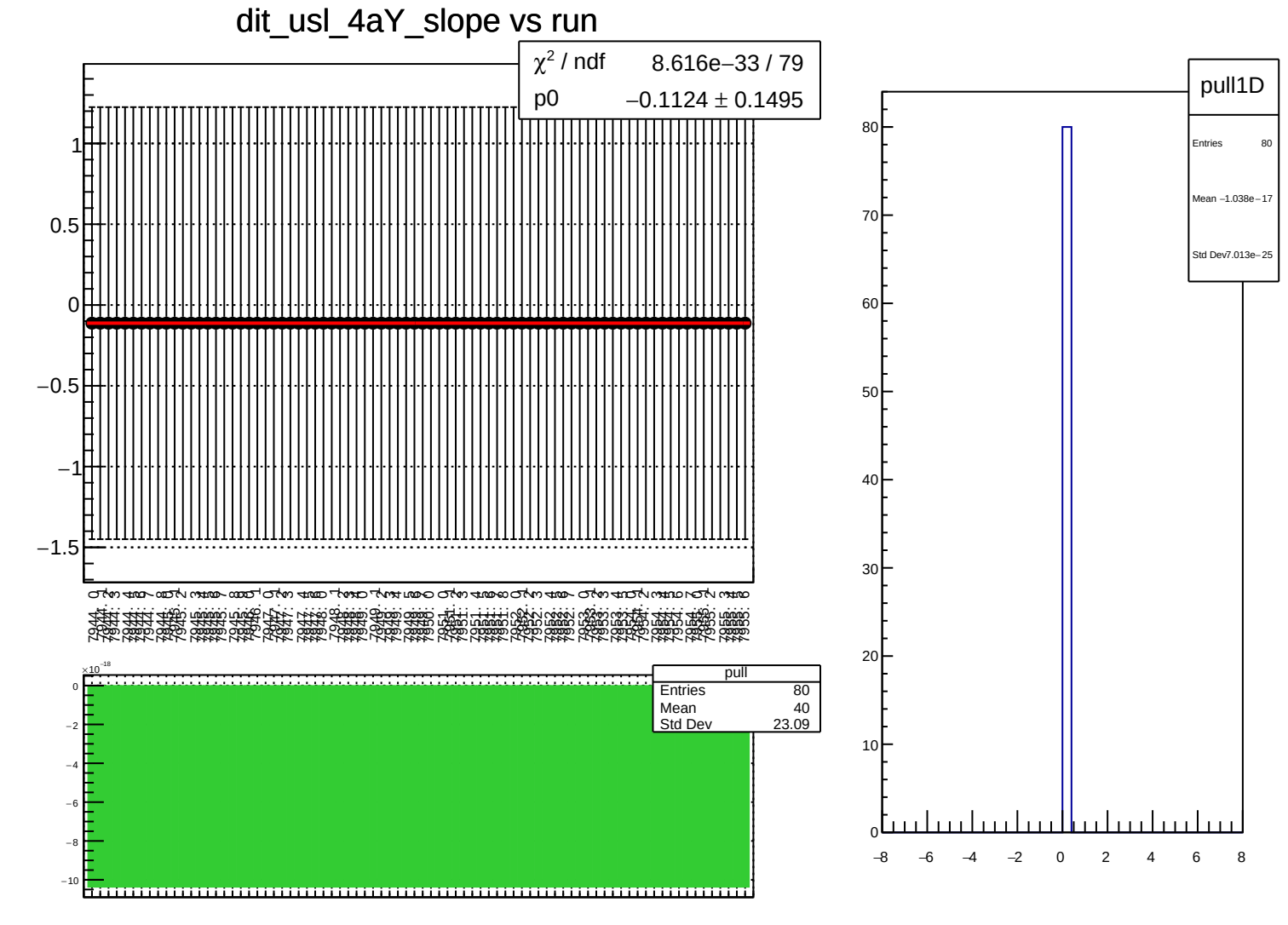

pull1D
Entries 80
Mean 0.01259
Std Dev 1.017

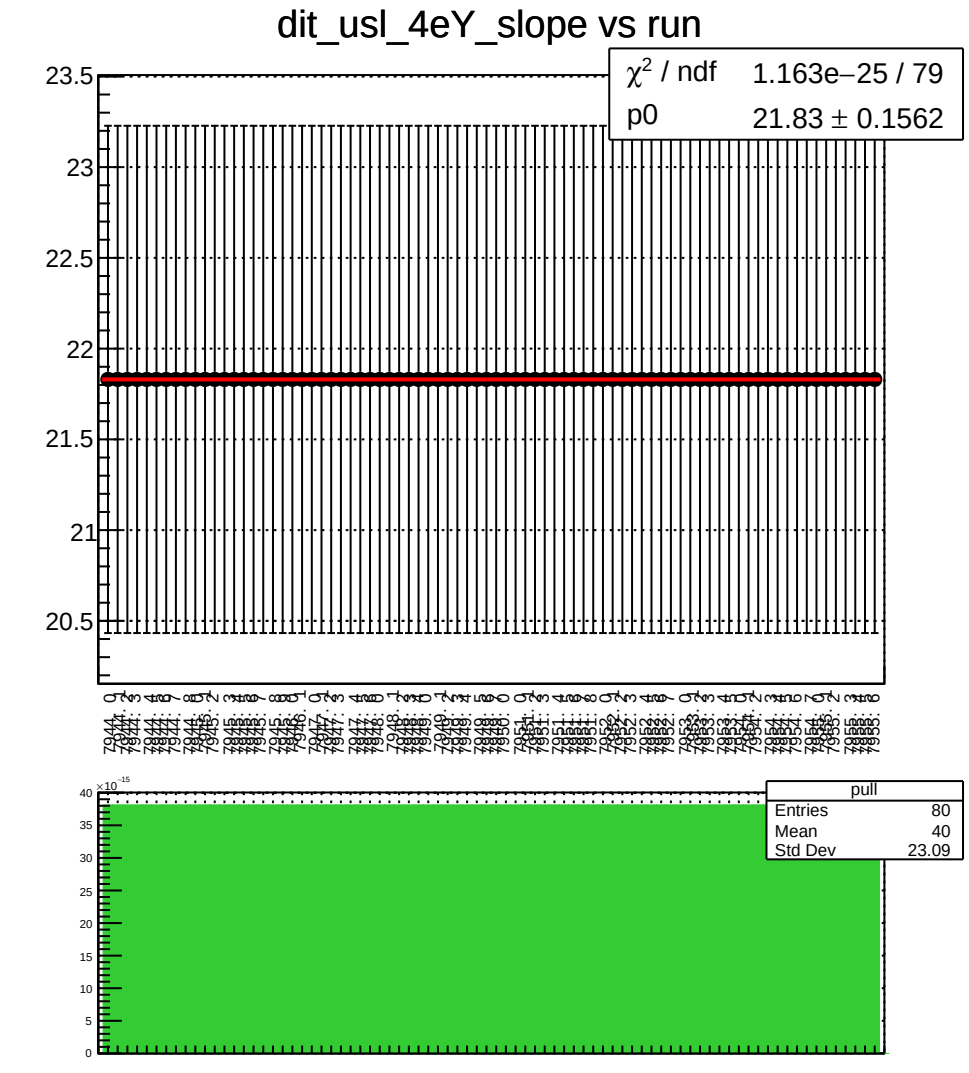

asym_sam_12345678_avg_rms vs run
χ² / ndf 1754 / 79
p0 1697 ± 1.36
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500

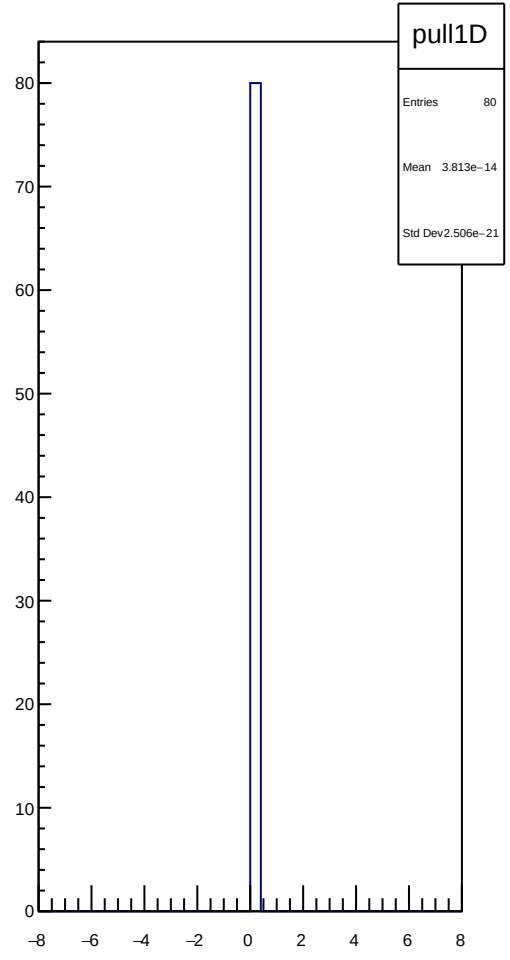

dit_usl_4aX_slope vs run
χ² / ndf 3.126e−25 / 79
p0 −82.7 ± 0.1525
−81.5
−82
−82.5
−83
−83.5
−84
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 80
Mean −6.251e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

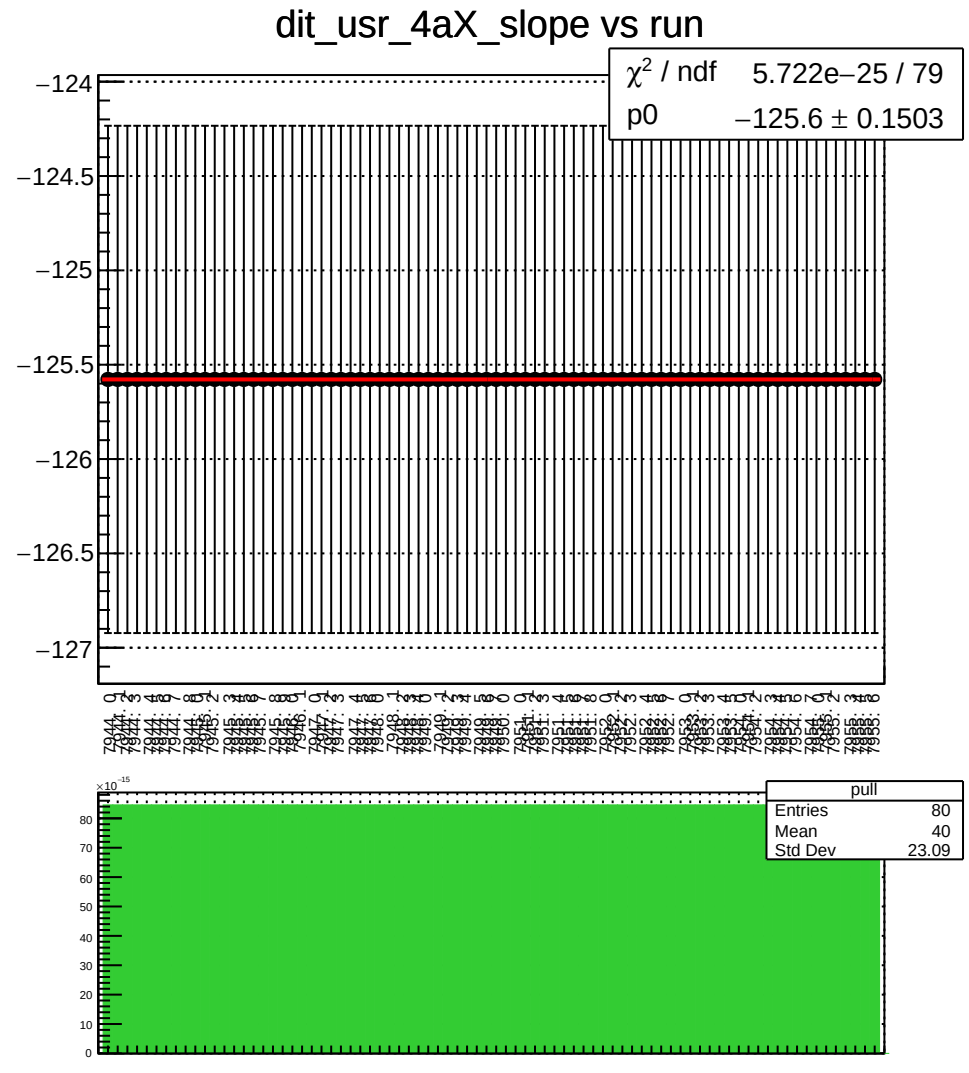

dit_usl_4eX_slope vs run
χ² / ndf 8.476e−26 / 79
p0 14.52 ± 0.09152
15.4
15.2
15
14.8
14.6
14.4
14.2
14
13.8
13.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 80
Mean −3.255e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

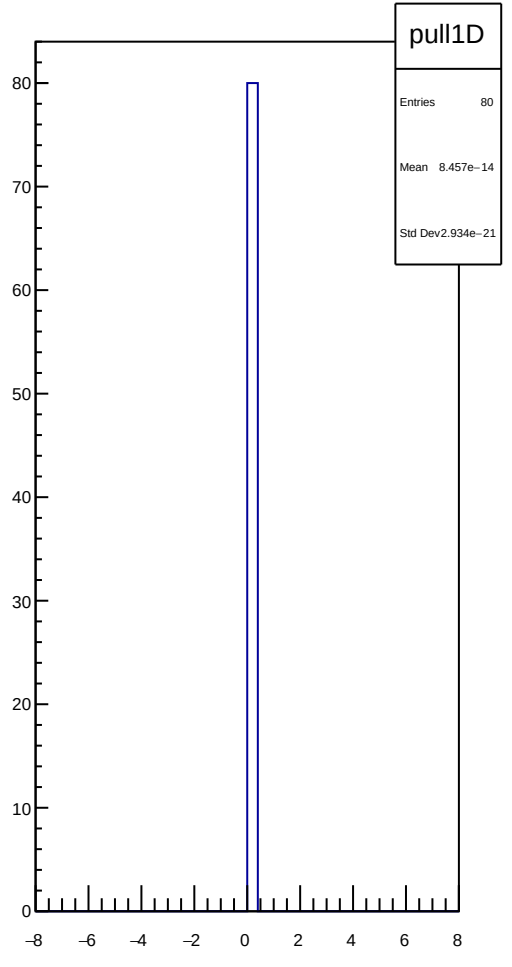

dit_usl_11X12X_slope vs run
χ² / ndf 1.097e−24 / 79
p0 −41.56 ± 0.03392
−41.3
−41.4
−41.5
−41.6
−41.7
−41.8
−41.9
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 80
Mean −1.171e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

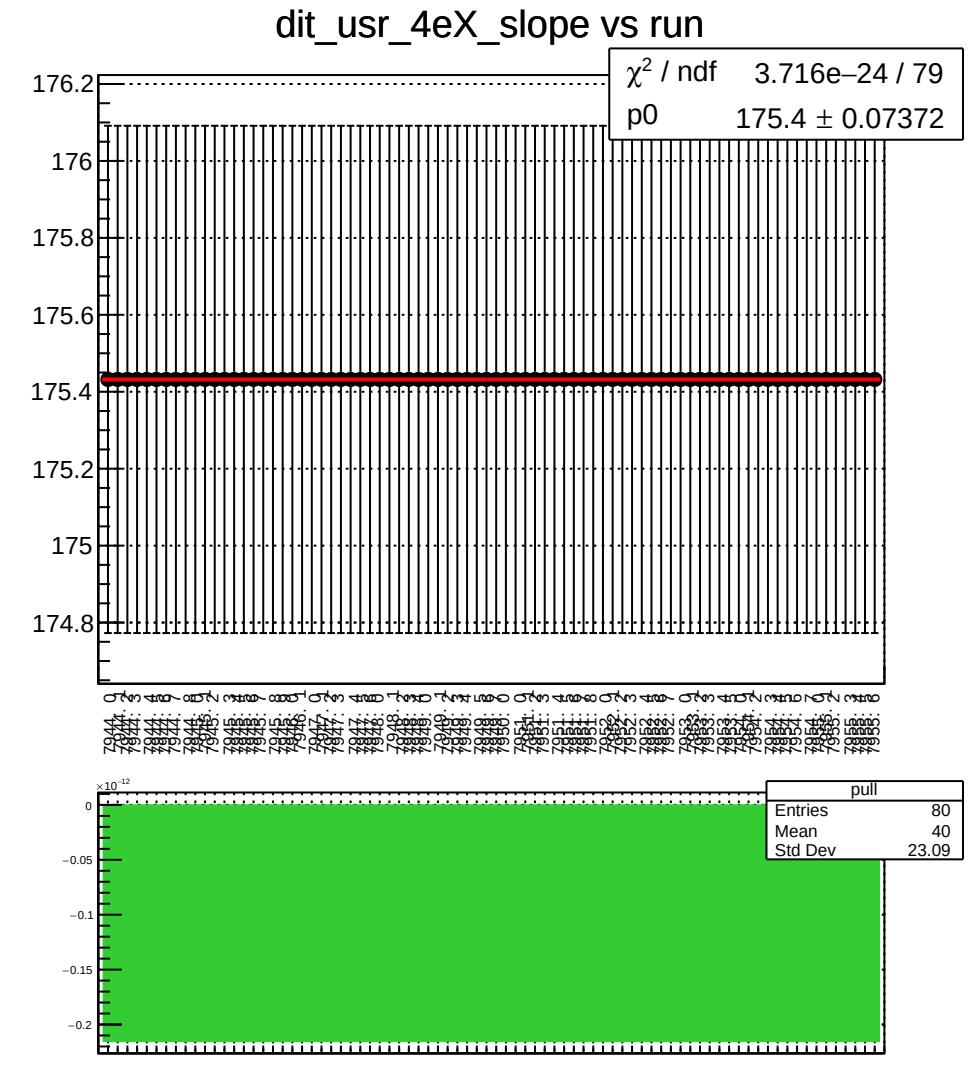

dit_usl_4aY_slope vs run
χ² / ndf 8.616e−33 / 79
p0 −0.1124 ± 0.1495
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.038e−17
Std Dev7.013e−25

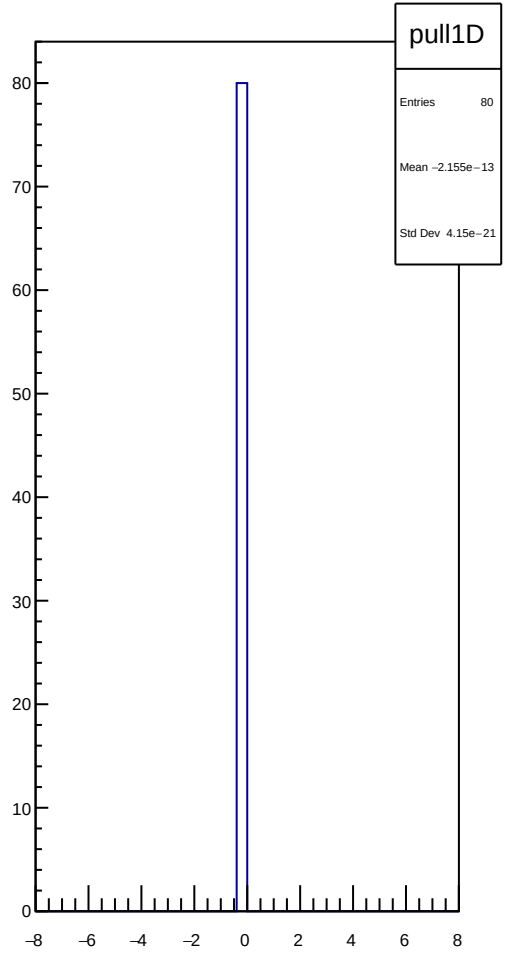

dit_usl_4eY_slope vs run
χ² / ndf 1.163e−25 / 79
p0 21.83 ± 0.1562
pull
Entries 80
Mean 40
Std Dev 23.09

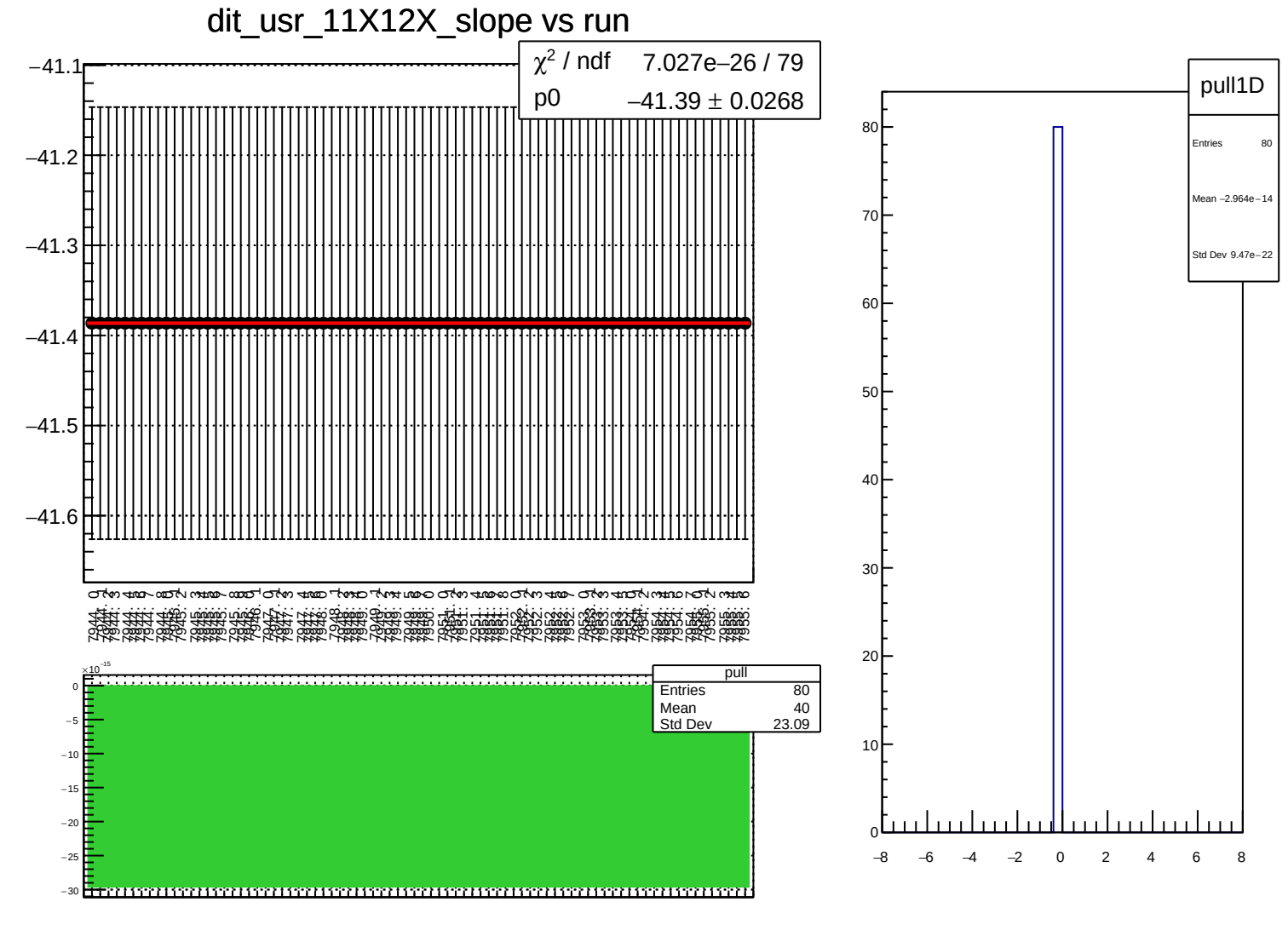

pull1D
Entries 80
Mean 3.813e−14
Std Dev2.506e−21

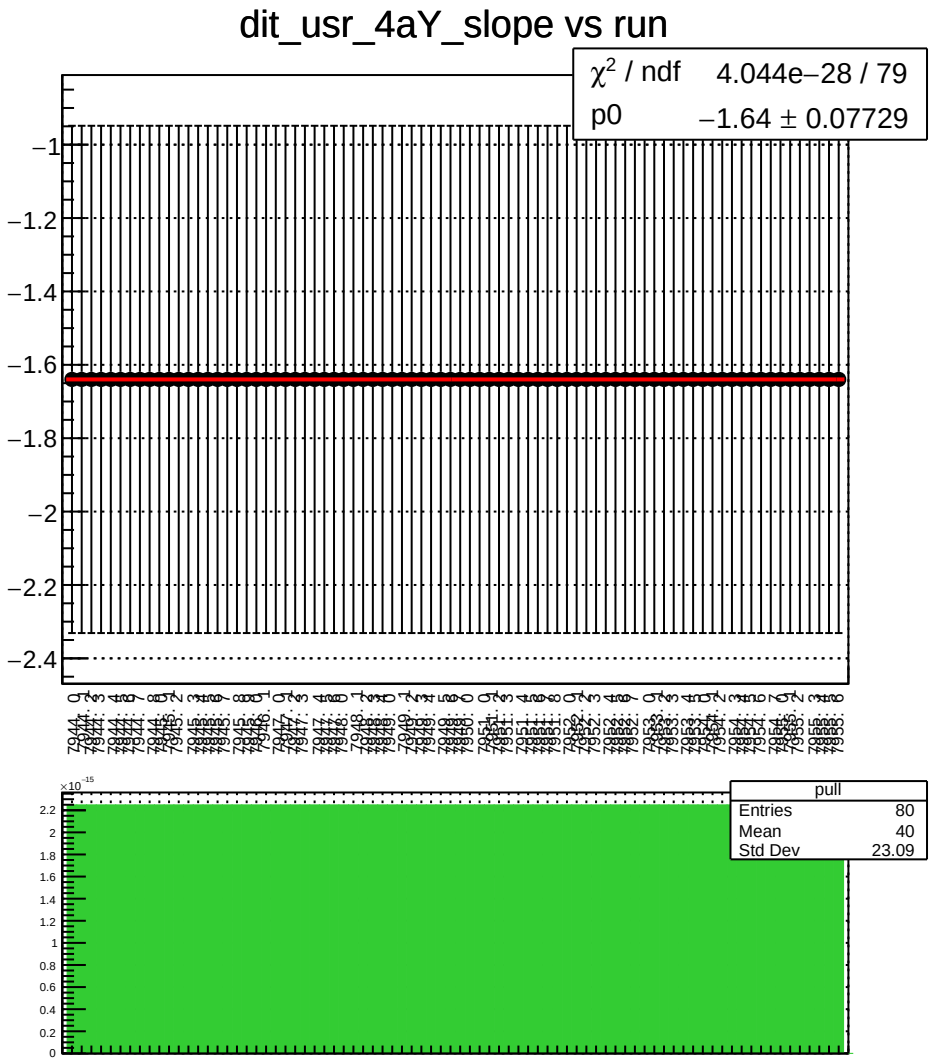

dit_usr_4aX_slope vs run
χ² / ndf 5.722e−25 / 79
p0 −125.6 ± 0.1503
−124
−124.5
−125
−125.5
−126
−126.5
−127
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

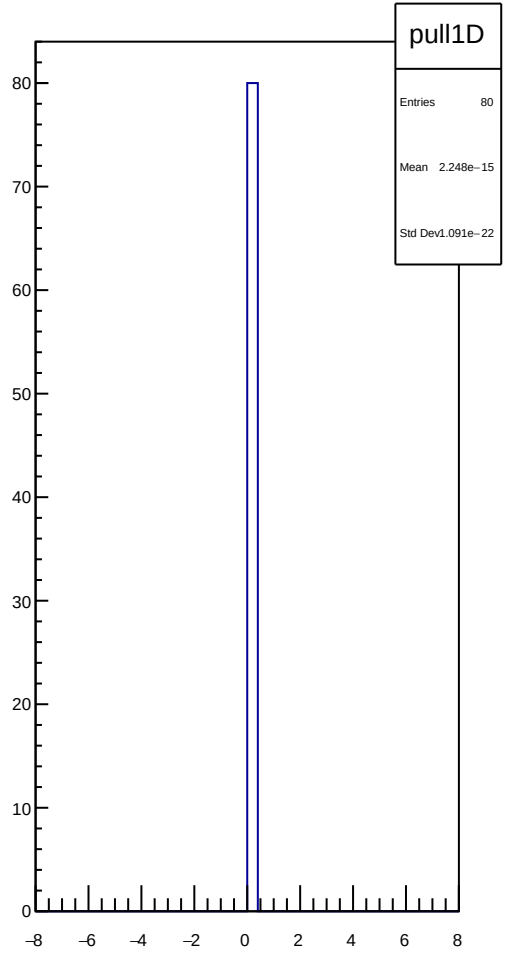

pull1D
Entries 80
Mean 8.457e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

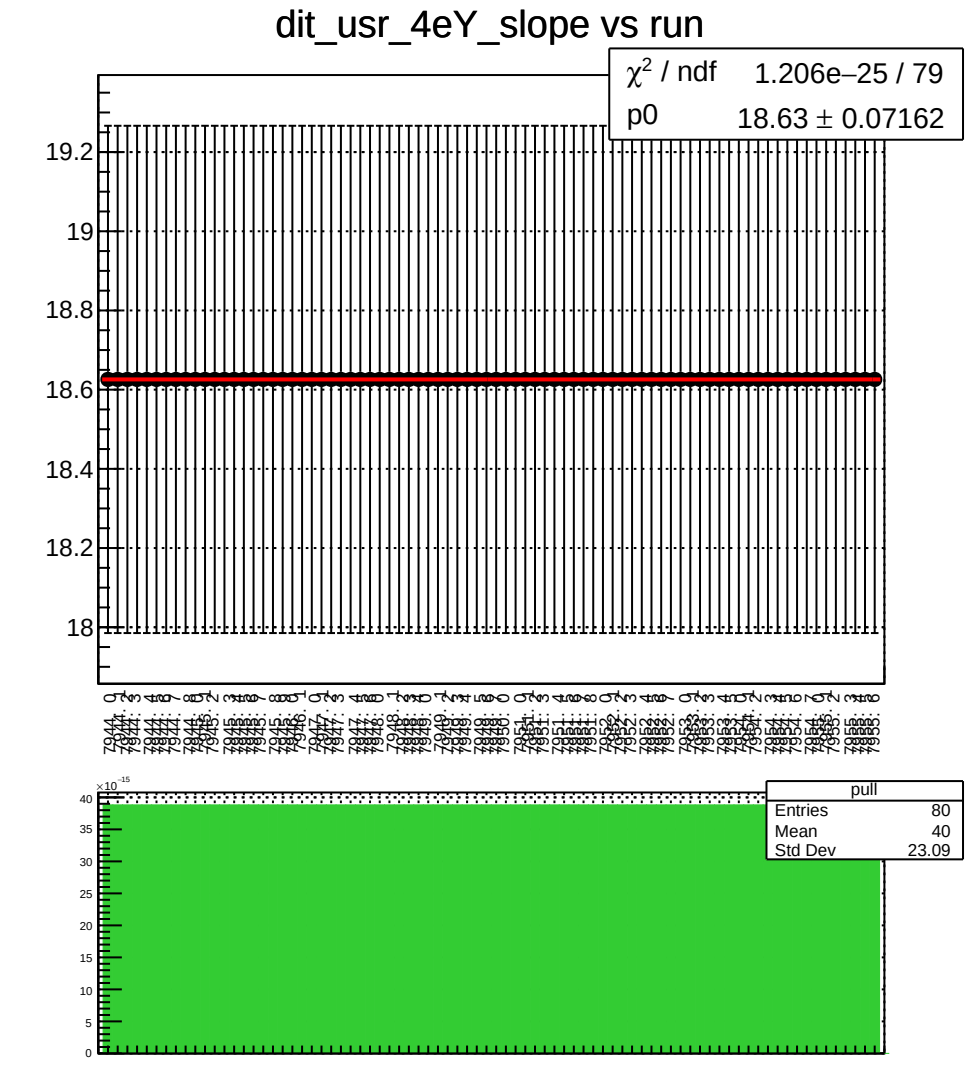

dit_usr_4eX_slope vs run
χ² / ndf 3.716e−24 / 79
p0 175.4 ± 0.07372
176.2
176
175.8
175.6
175.4
175.2
175
174.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

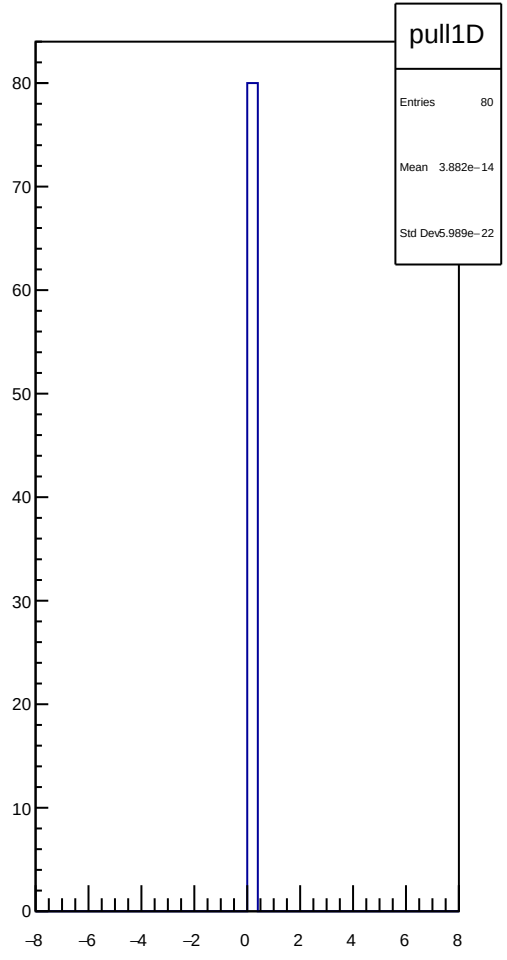

pull1D
Entries 80
Mean −2.155e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

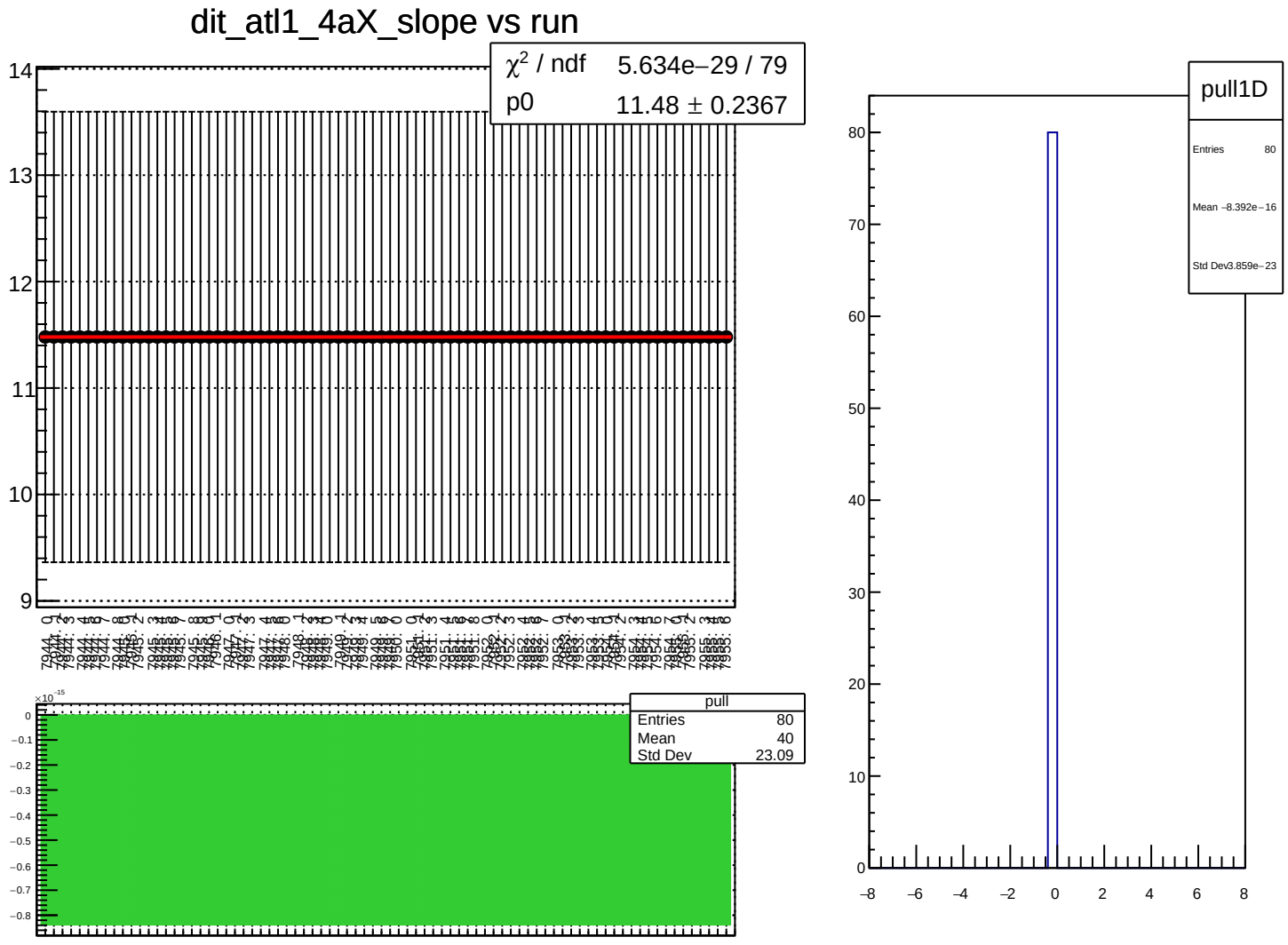

dit_usr_11X12X_slope vs run
χ² / ndf 7.027e−26 / 79
p0 −41.39 ± 0.0268
−41.1
−41.2
−41.3
−41.4
−41.5
−41.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 80
Mean −2.964e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

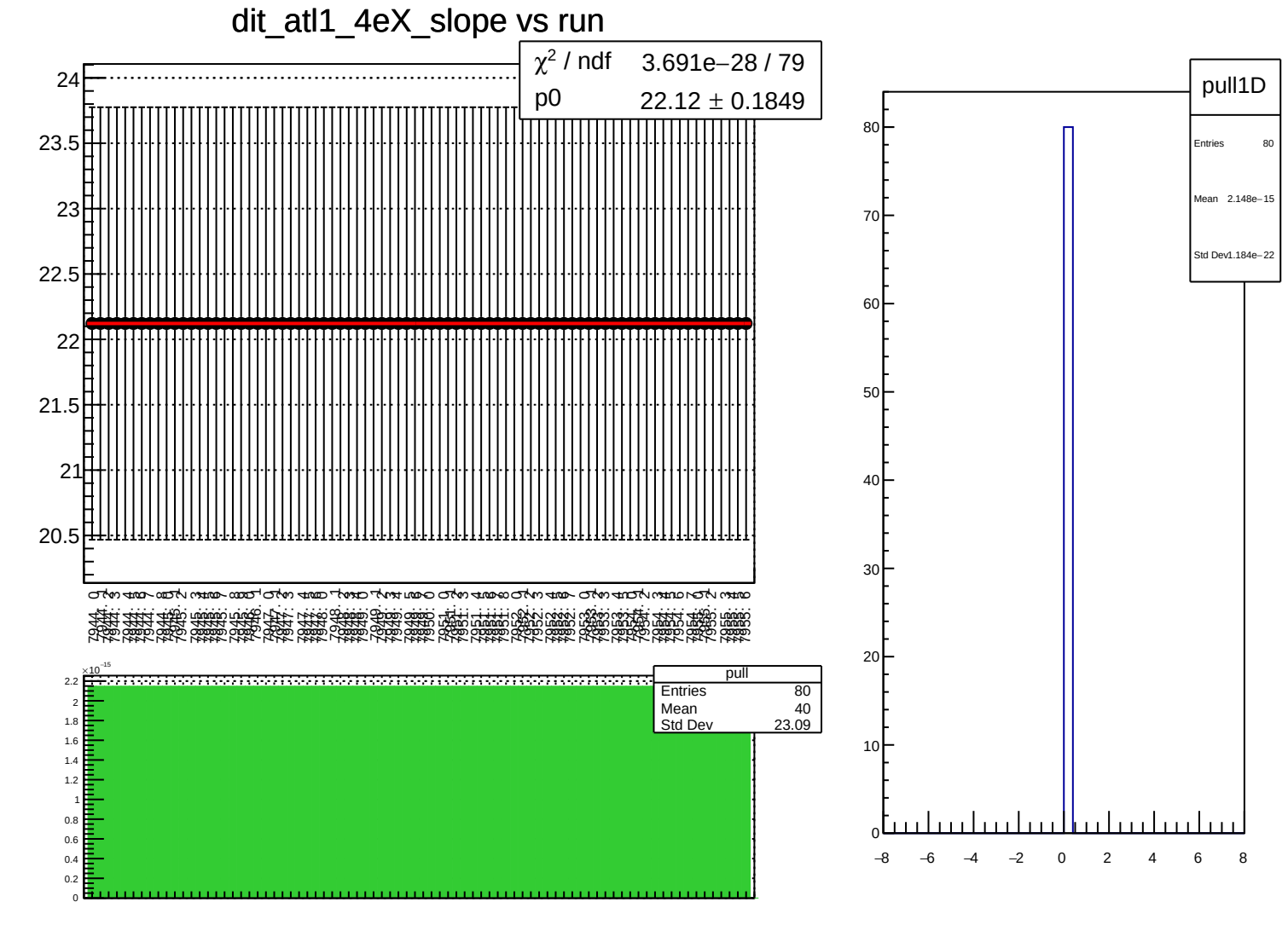

dit_usr_4aY_slope vs run
χ² / ndf 4.044e−28 / 79
p0 −1.64 ± 0.07729
pull
Entries 80
Mean 40
Std Dev 23.09

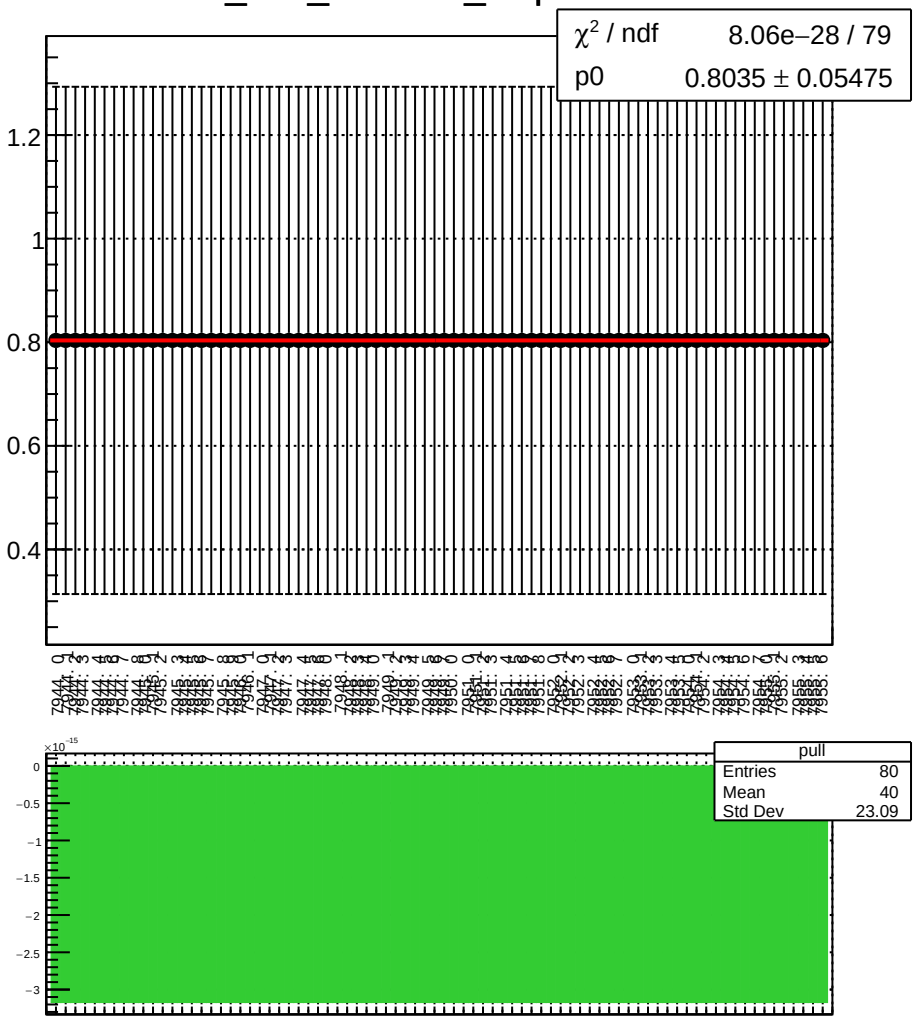

pull1D
Entries 80
Mean 2.248e−15
Std Dev1.091e−22

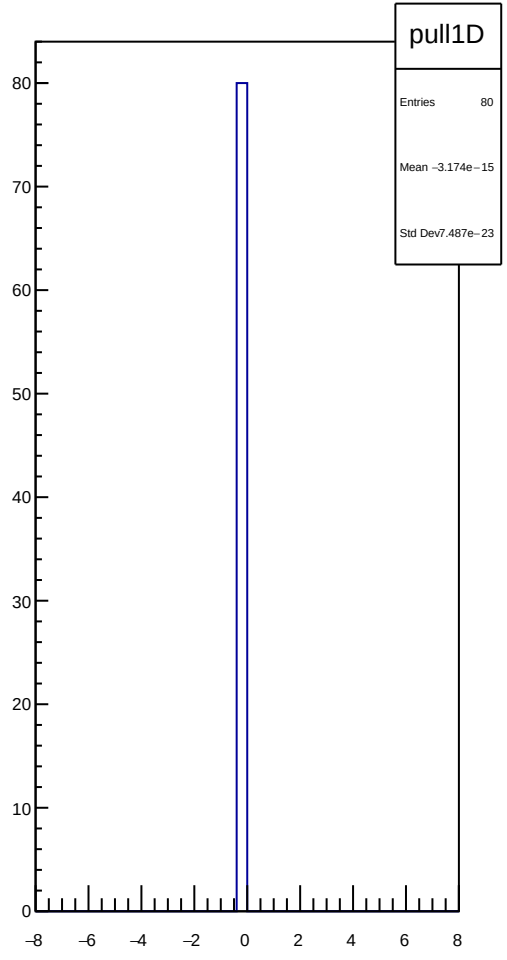

dit_usr_4eY_slope vs run
χ² / ndf 1.206e−25 / 79
p0 18.63 ± 0.07162
19.2
19
18.8
18.6
18.4
18.2
18
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

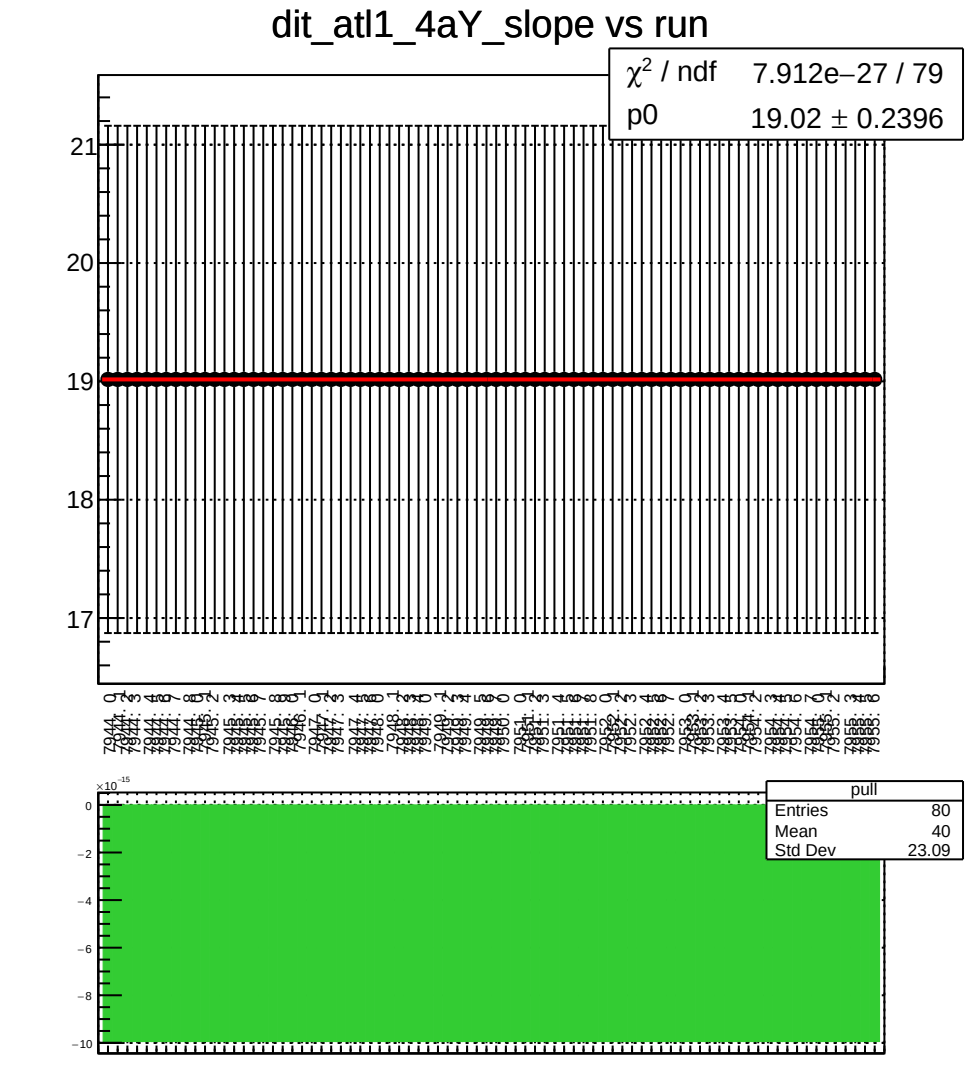

pull1D
Entries 80
Mean 3.882e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

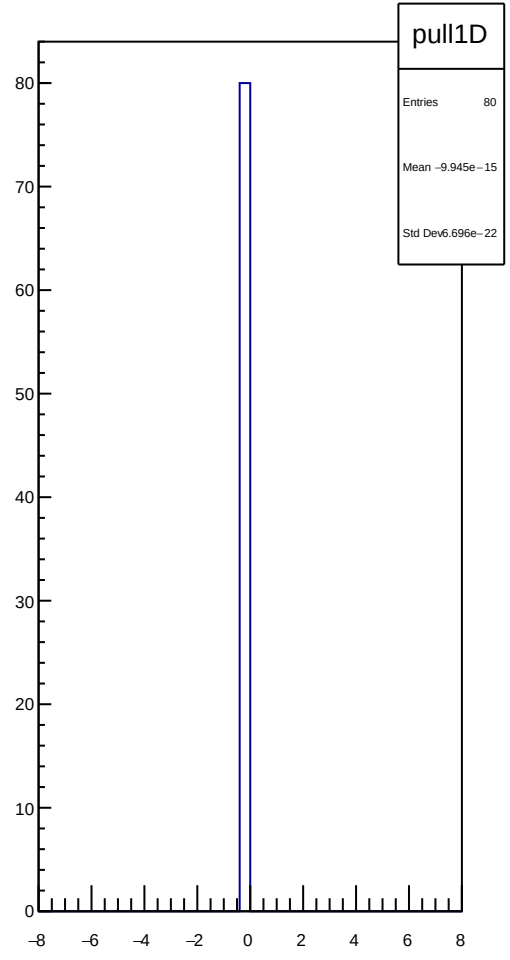

dit_atl1_4aX_slope vs run
χ² / ndf 5.634e−29 / 79
p0 11.48 ± 0.2367
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −8.392e−16
Std Dev 3.859e−23

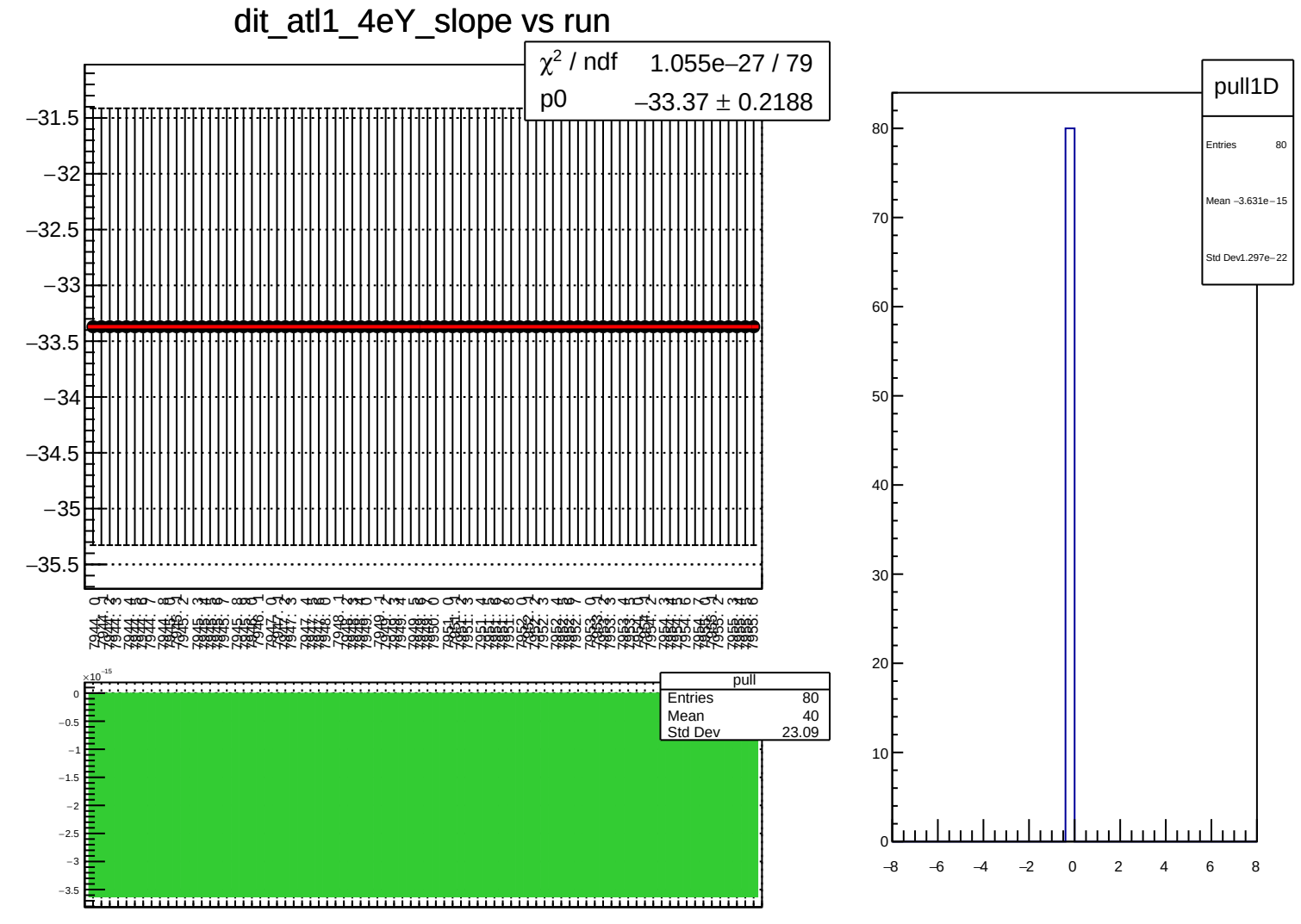

dit_atl1_4eX_slope vs run
χ² / ndf 3.691e−28 / 79
p0 22.12 ± 0.1849
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.148e−15
Std Dev1.184e−22

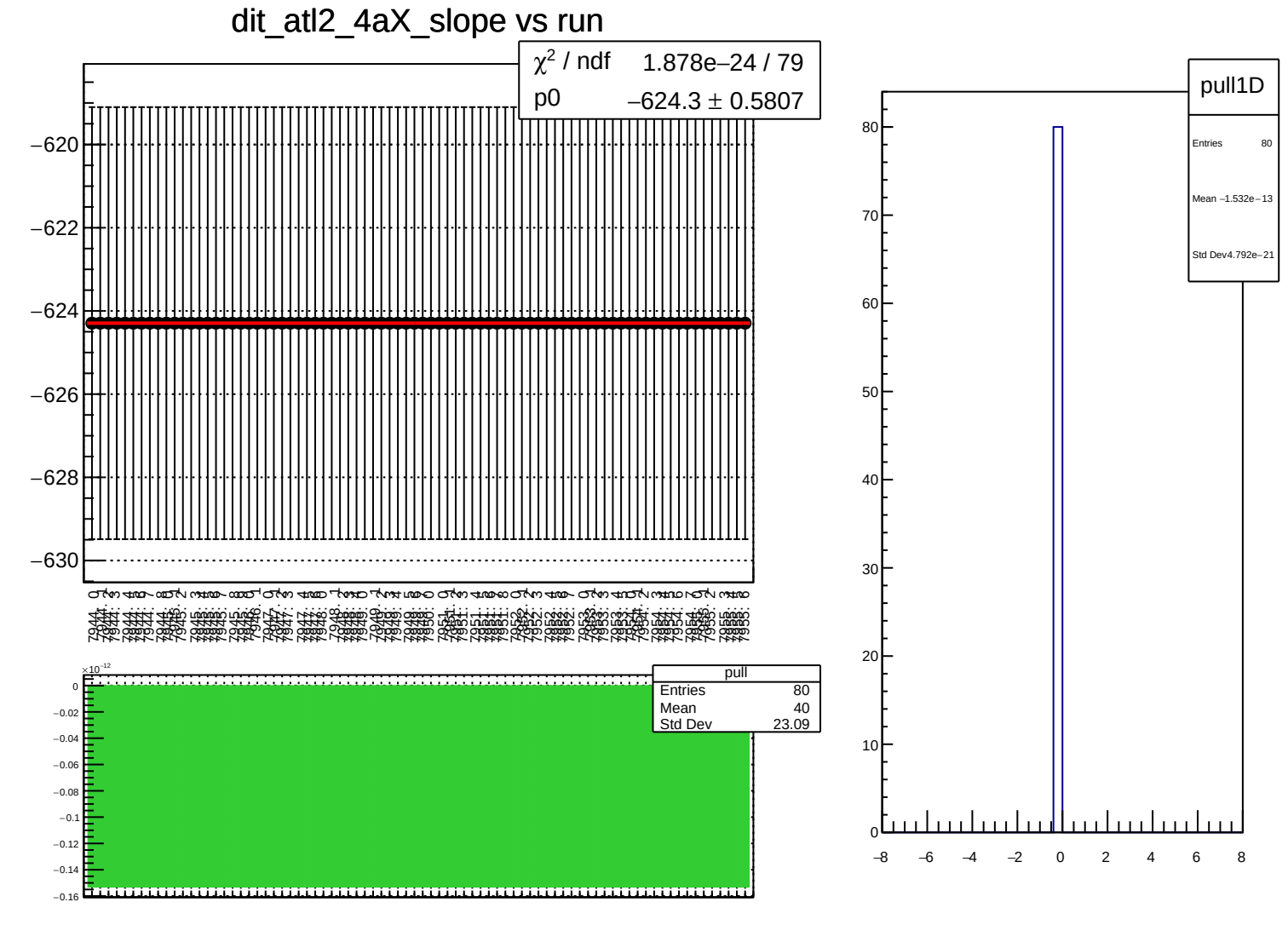

dit_atl1_11X12X_slope vs run
χ² / ndf 8.06e−28 / 79
p0 0.8035 ± 0.05475
1.2
1
0.8
0.6
0.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3

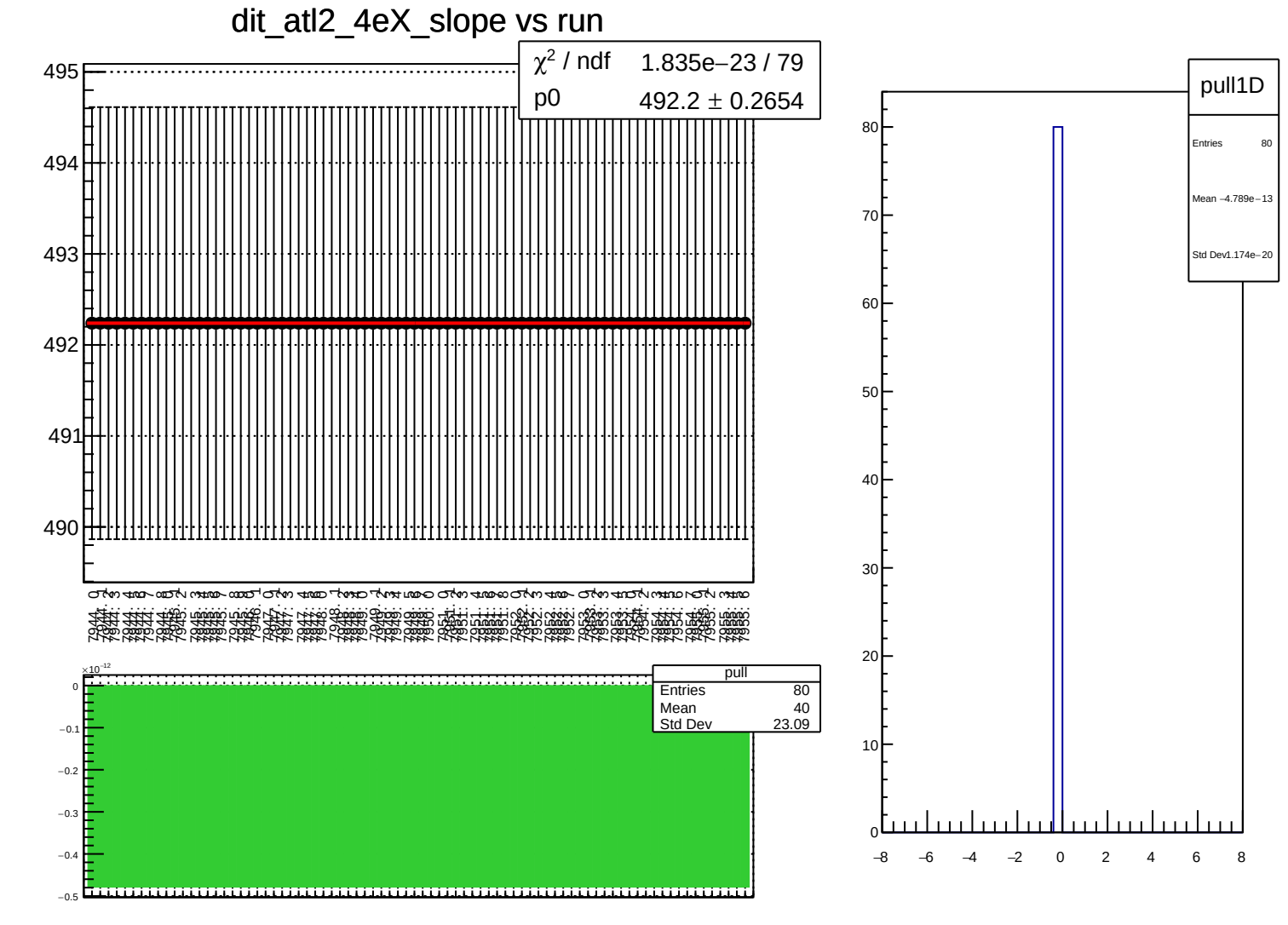

pull1D
Entries 80
Mean −3.174e−15
Std Dev7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

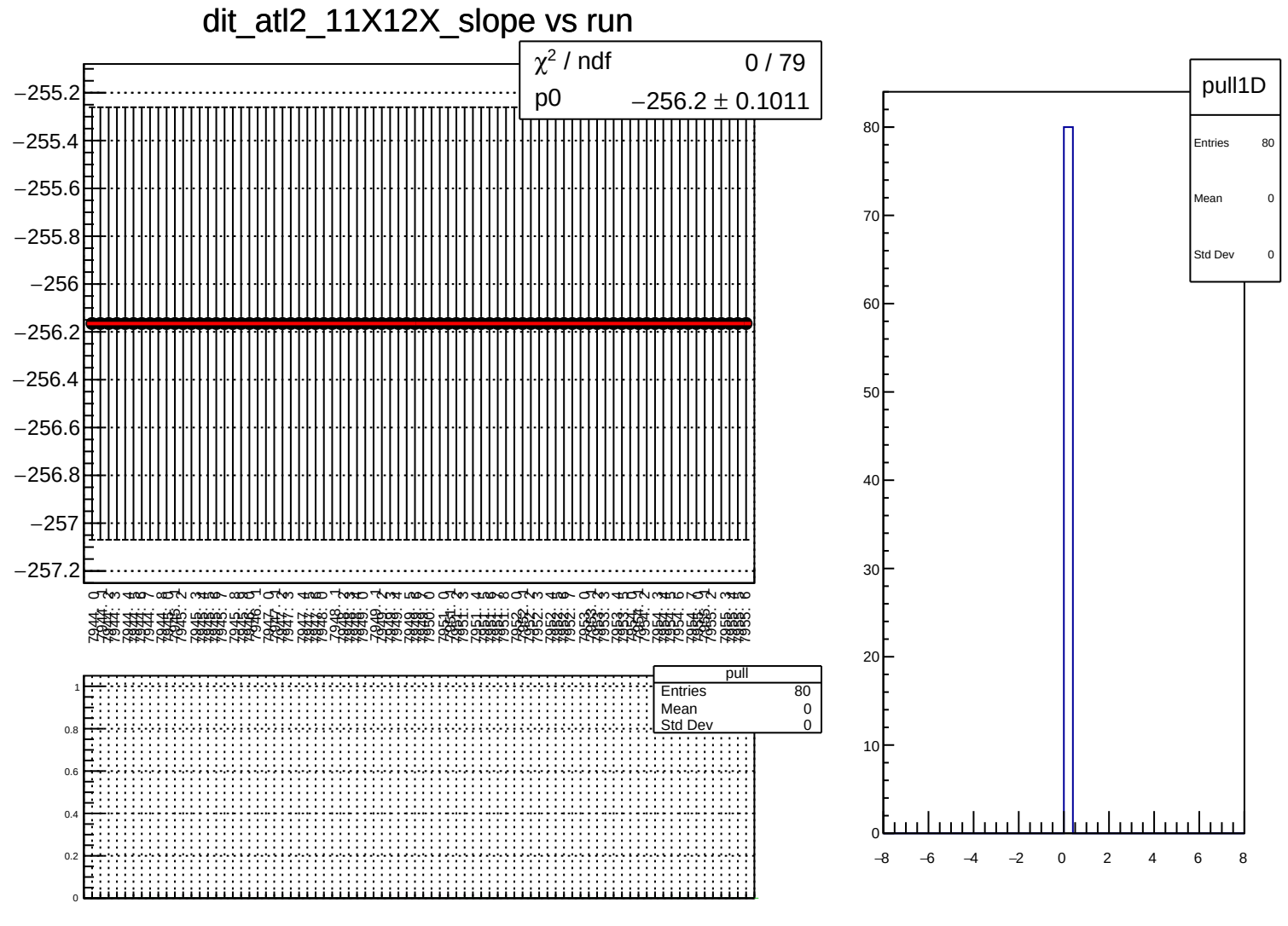

dit_atl1_4aY_slope vs run
χ² / ndf 7.912e−27 / 79
p0 19.02 ± 0.2396
pull
Entries 80
Mean 40
Std Dev 23.09

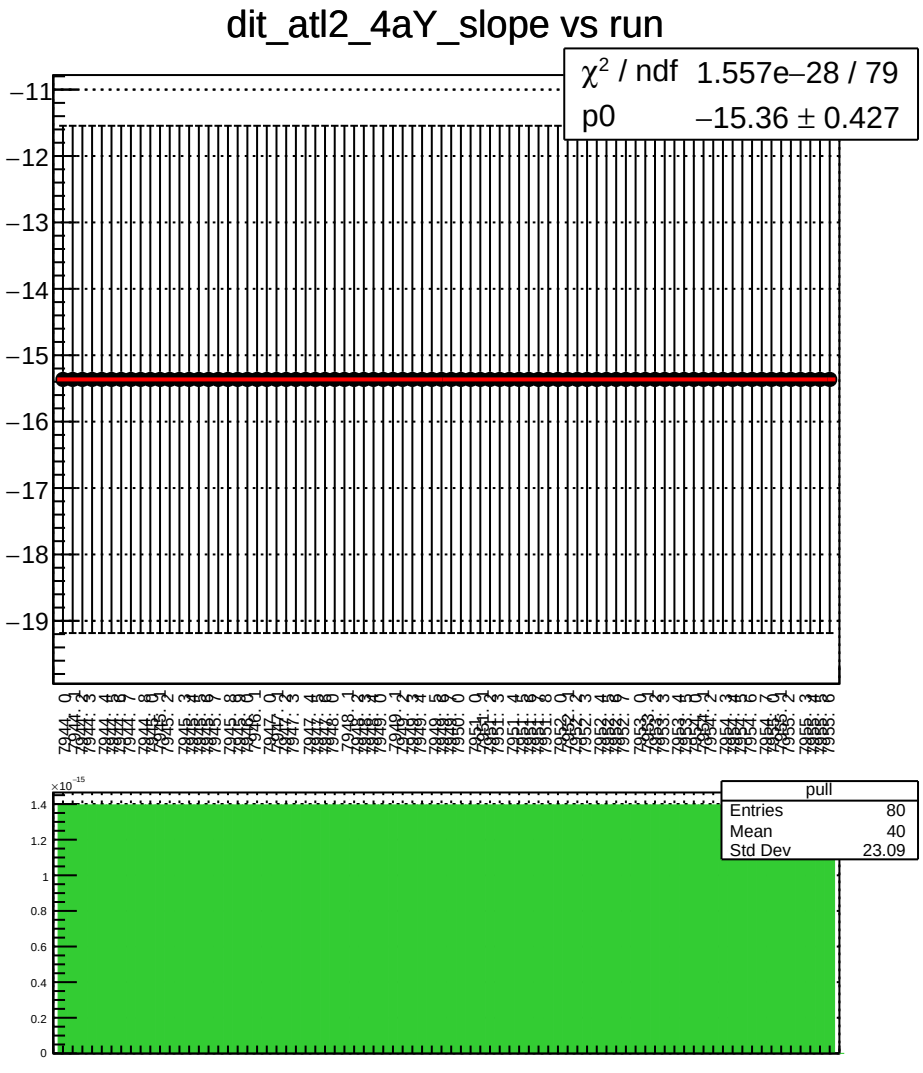

pull1D
Entries 80
Mean −9.945e−15
Std Dev 6.696e−22

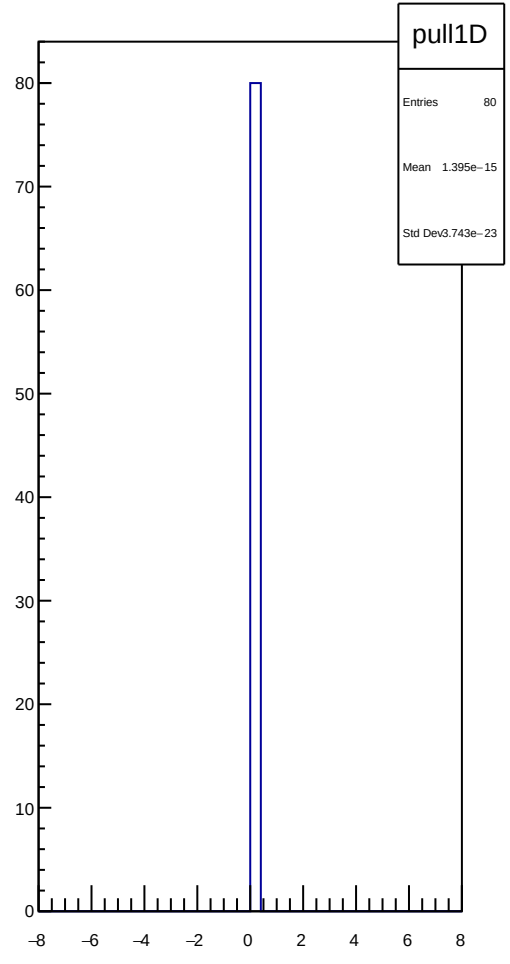

dit_atl1_4eY_slope vs run
χ² / ndf 1.055e−27 / 79
p0 −33.37 ± 0.2188
−31.5
−32
−32.5
−33
−33.5
−34
−34.5
−35
−35.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 80
Mean −3.631e−15
Std Dev1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

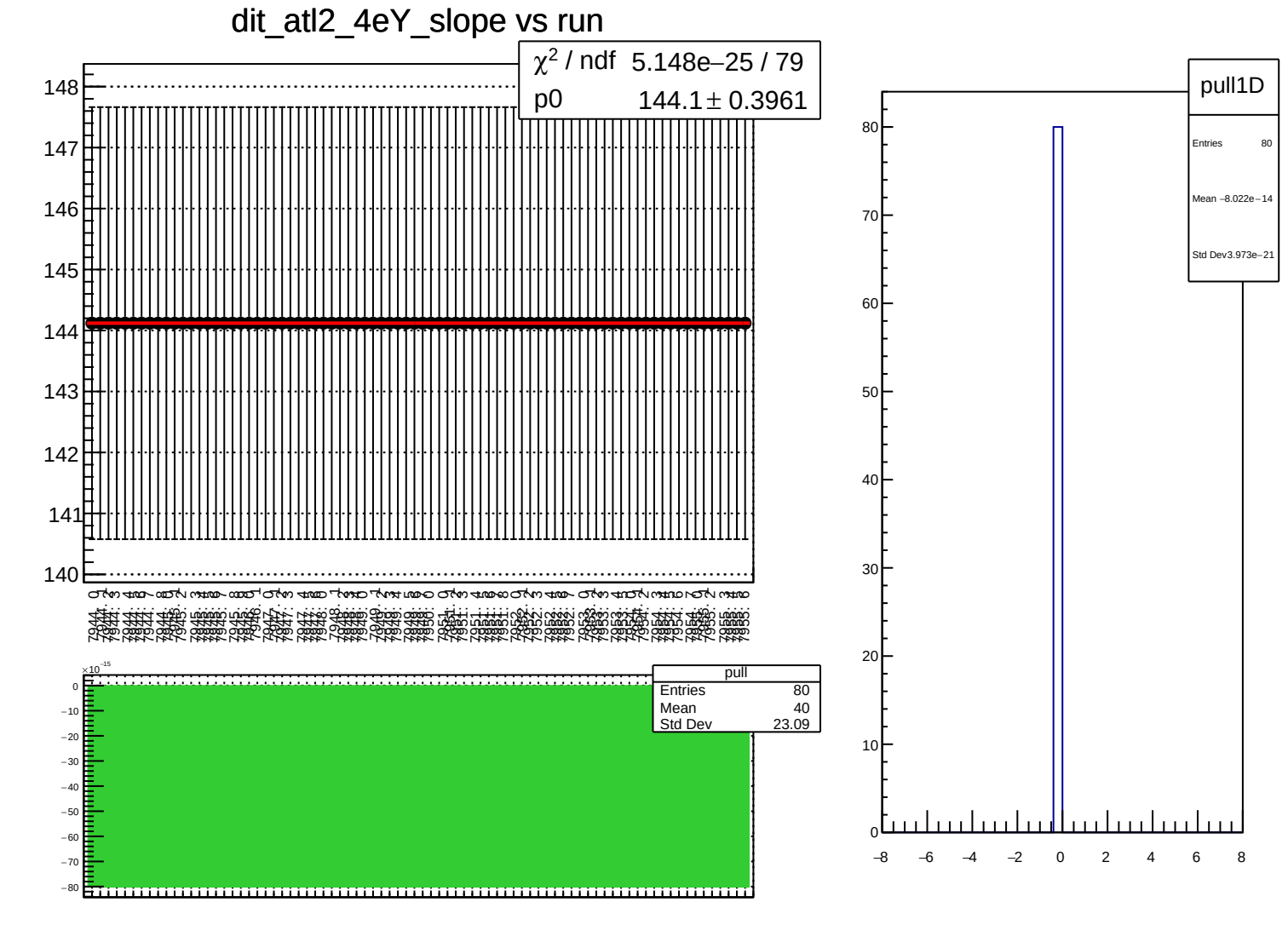

dit_atl2_4aX_slope vs run
χ² / ndf 1.878e−24 / 79
p0 −624.3 ± 0.5807
−620
−622
−624
−626
−628
−630
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.532e−13
Std Dev4.792e−21

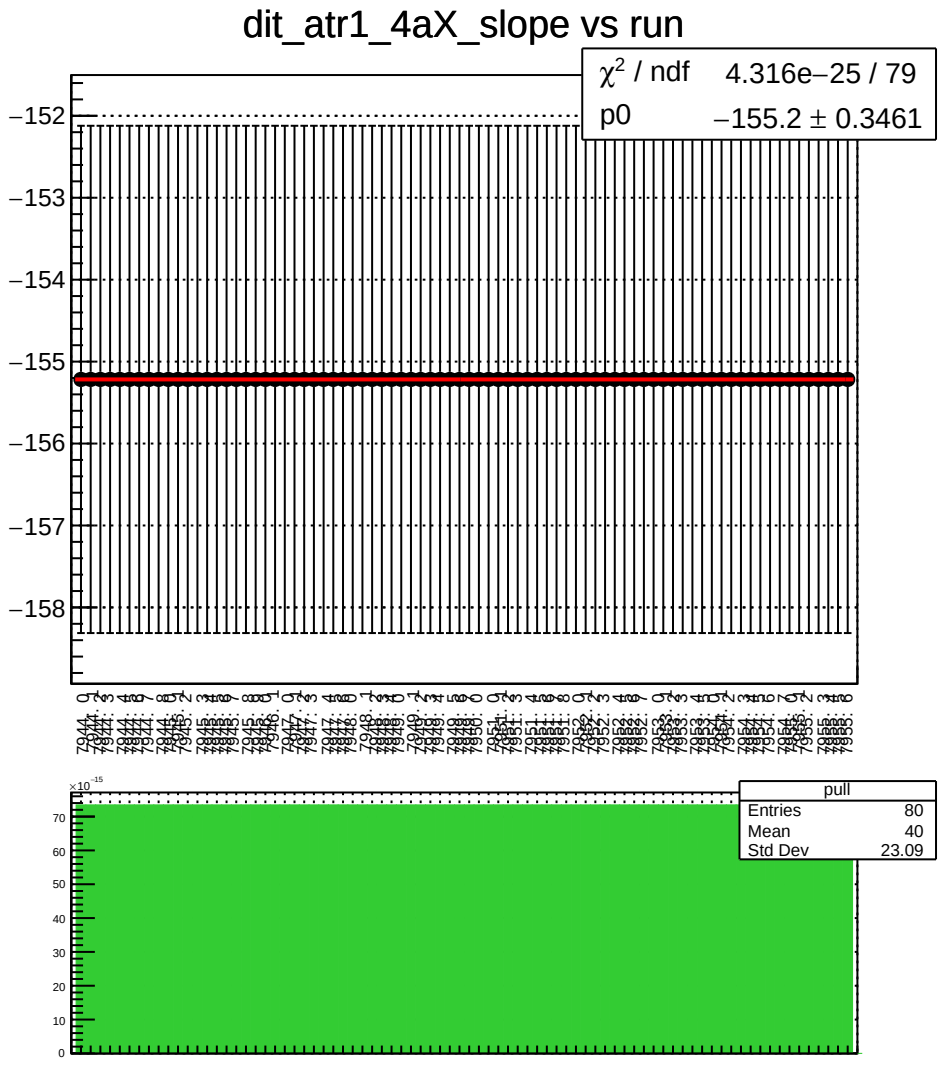

dit_atl2_4eX_slope vs run
χ² / ndf 1.835e−23 / 79
p0 492.2 ± 0.2654
495
494
493
492
491
490
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 80
Mean −4.789e−13
Std Dev1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

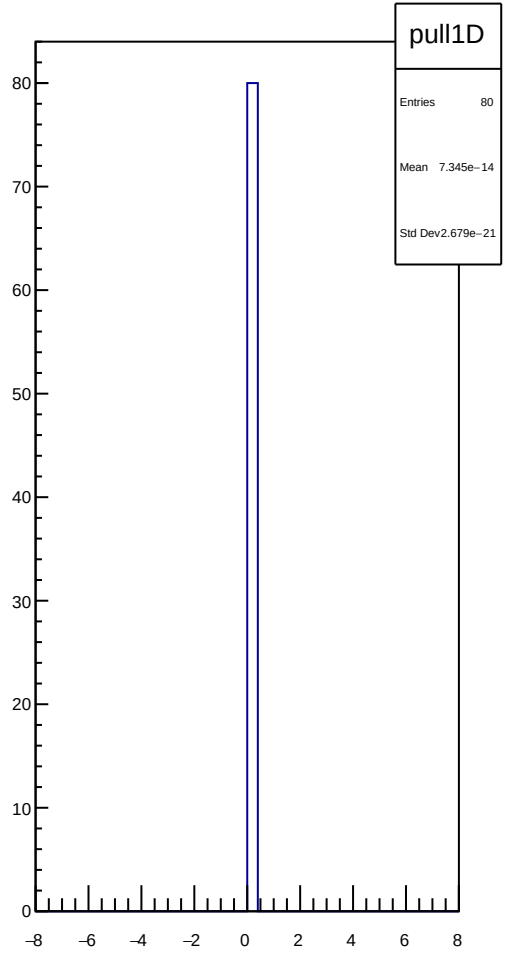

dit_atl2_11X12X_slope vs run
χ² / ndf 0 / 79
p0 −256.2 ± 0.1011
−255.2
−255.4
−255.6
−255.8
−256
−256.2
−256.4
−256.6
−256.8
−257
−257.2
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

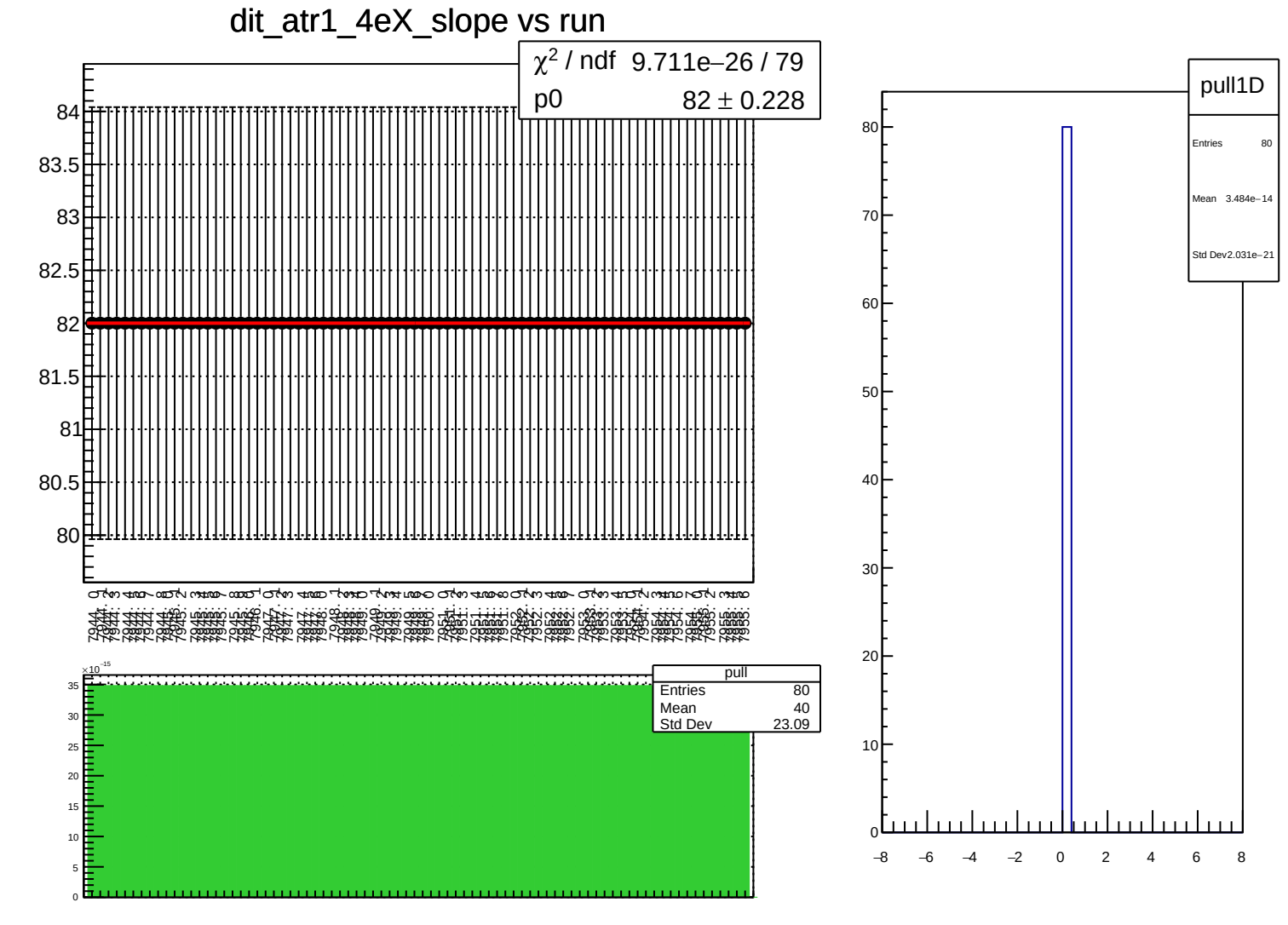

dit_atl2_4aY_slope vs run
χ² / ndf 1.557e−28 / 79
p0 −15.36 ± 0.427
pull
Entries 80
Mean 40
Std Dev 23.09

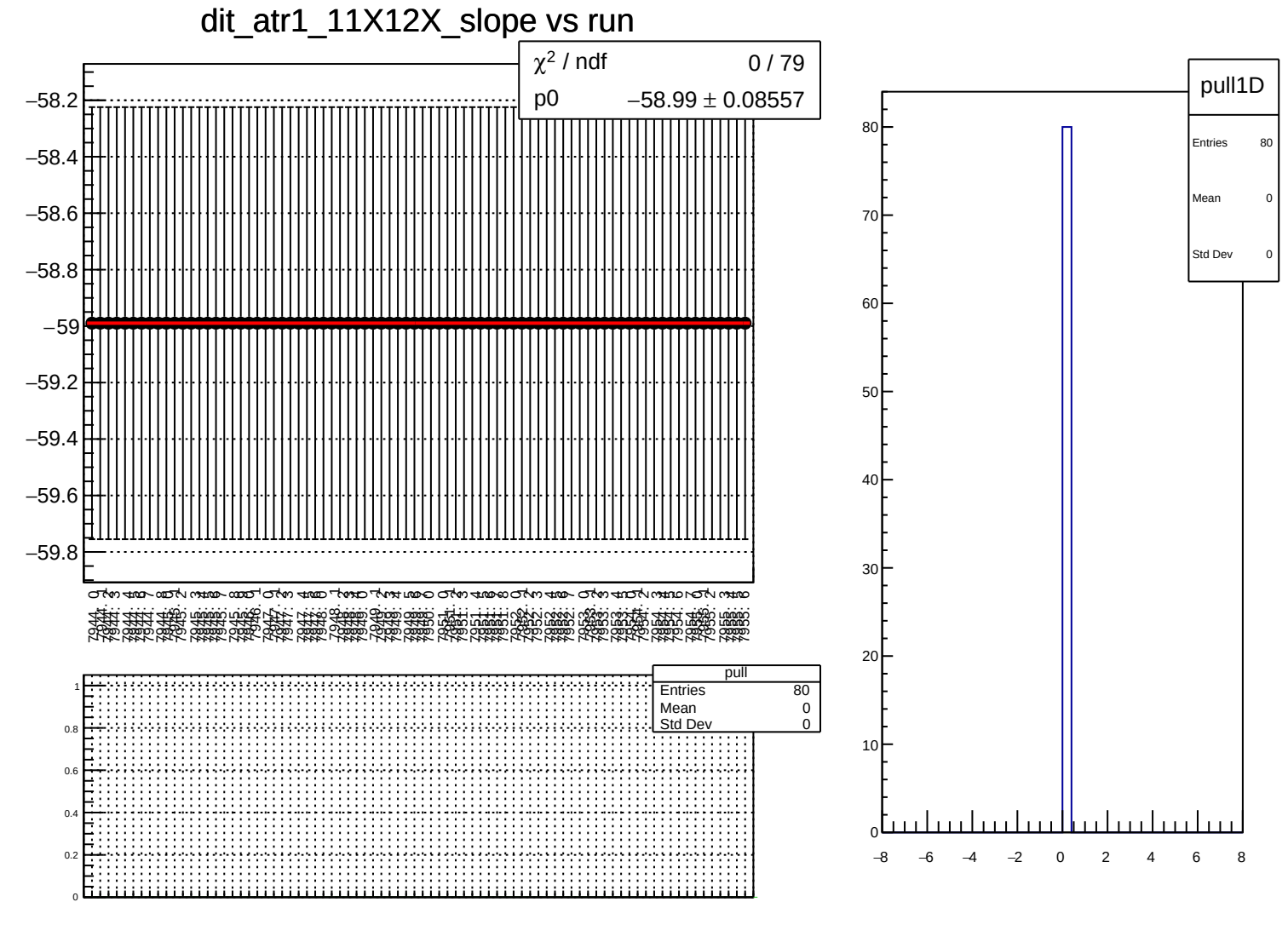

pull1D
Entries 80
Mean 1.395e−15
Std Dev3.743e−23

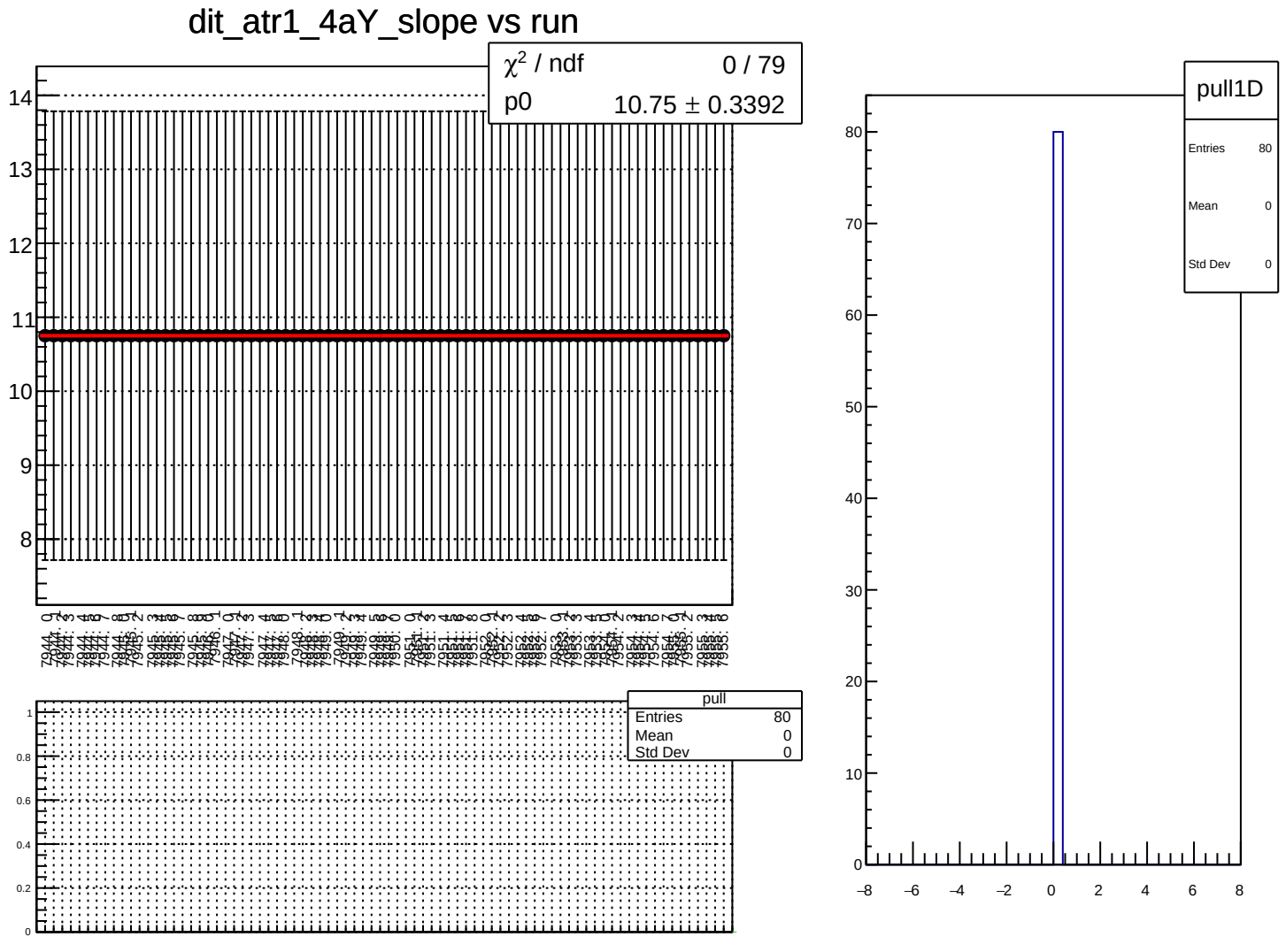

dit_atl2_4eY_slope vs run
χ^2 / ndf 5.148e−25 / 79
p0 144.1 ± 0.3961
148
147
146
145
144
143
142
141
140
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 80
Mean −8.022e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

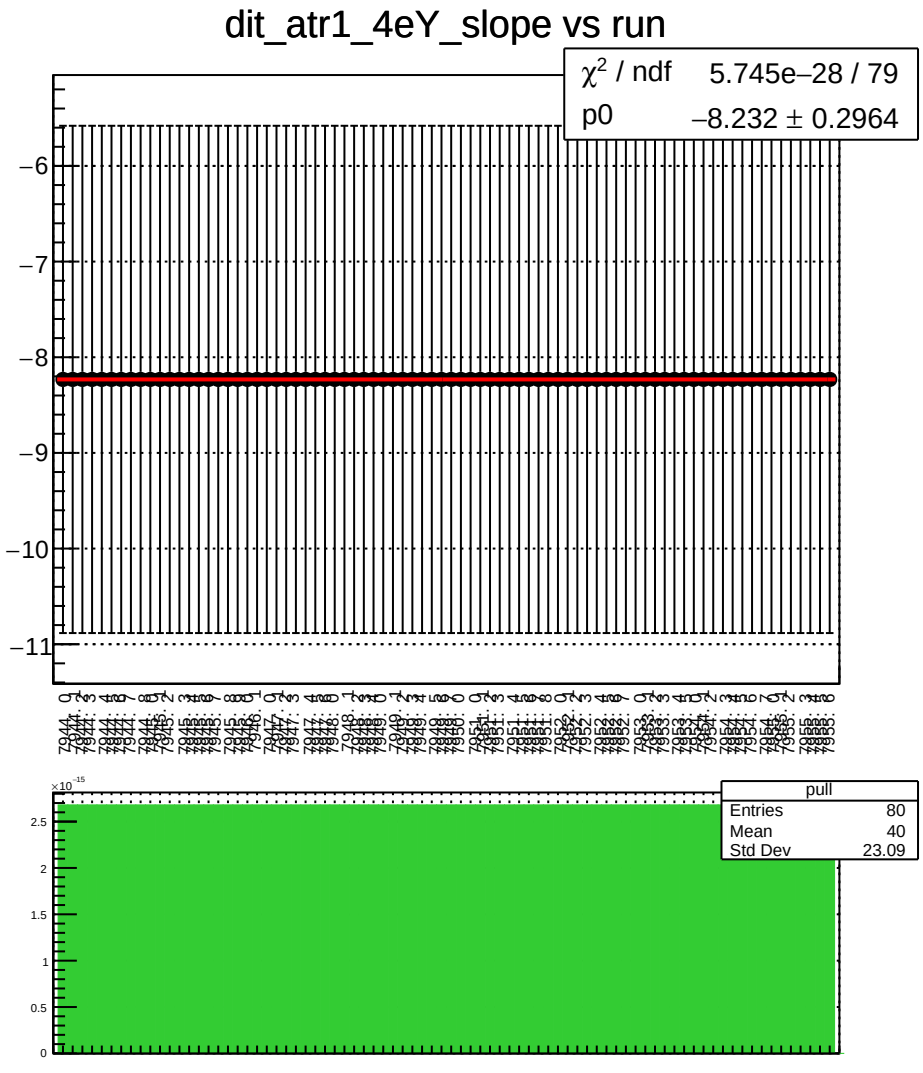

dit_atr1_4aX_slope vs run
χ² / ndf 4.316e−25 / 79
p0 −155.2 ± 0.3461
−152
−153
−154
−155
−156
−157
−158
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
70
60
50
40
30
20
10
0

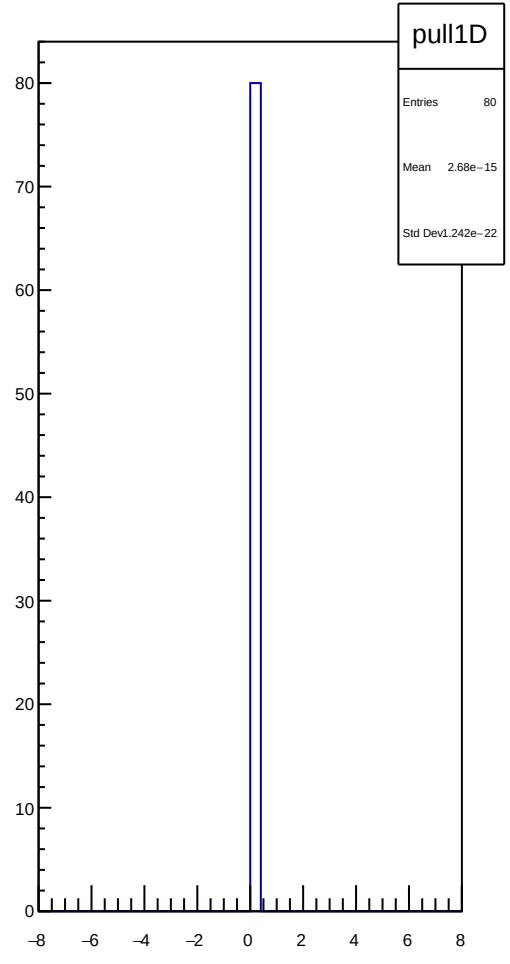

pull1D
Entries 80
Mean 7.345e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

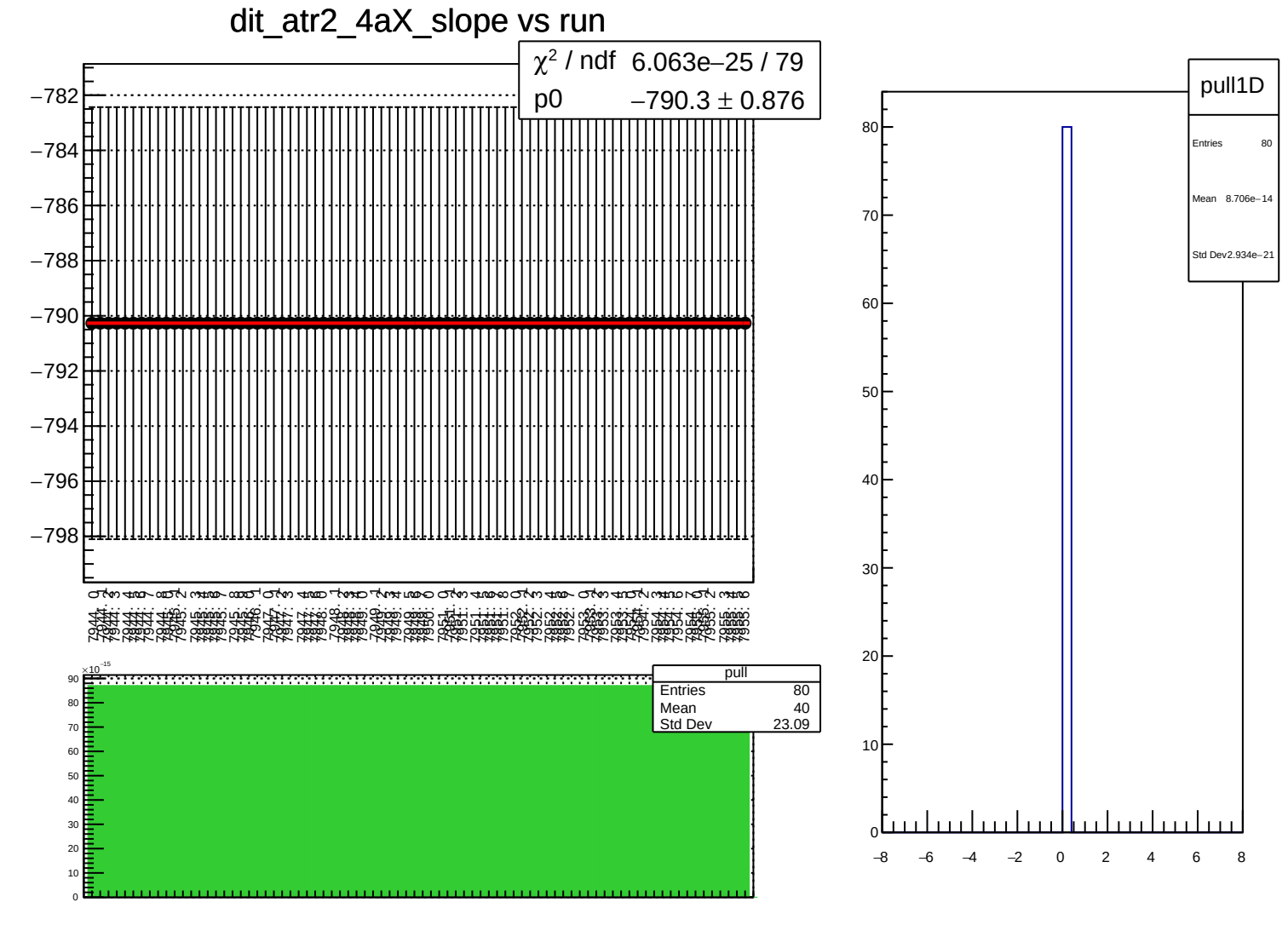

dit_atr1_4eX_slope vs run
χ^2 / ndf 9.711e−26 / 79
p0 82 ± 0.228
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.484e−14
Std Dev2.031e−21

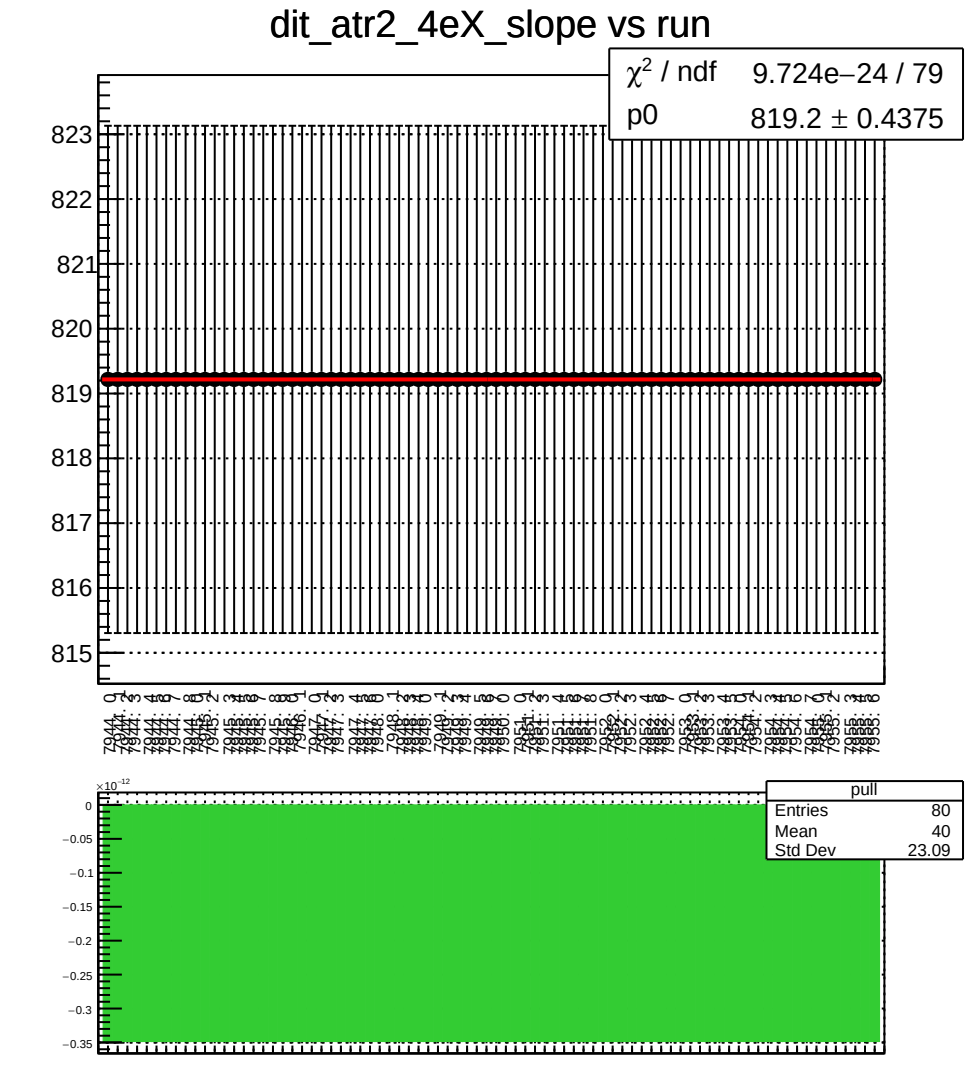

dit_atr1_11X12X_slope vs run
χ² / ndf 0 / 79
p0 −58.99 ± 0.08557
−58.2
−58.4
−58.6
−58.8
−59
−59.2
−59.4
−59.6
−59.8
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

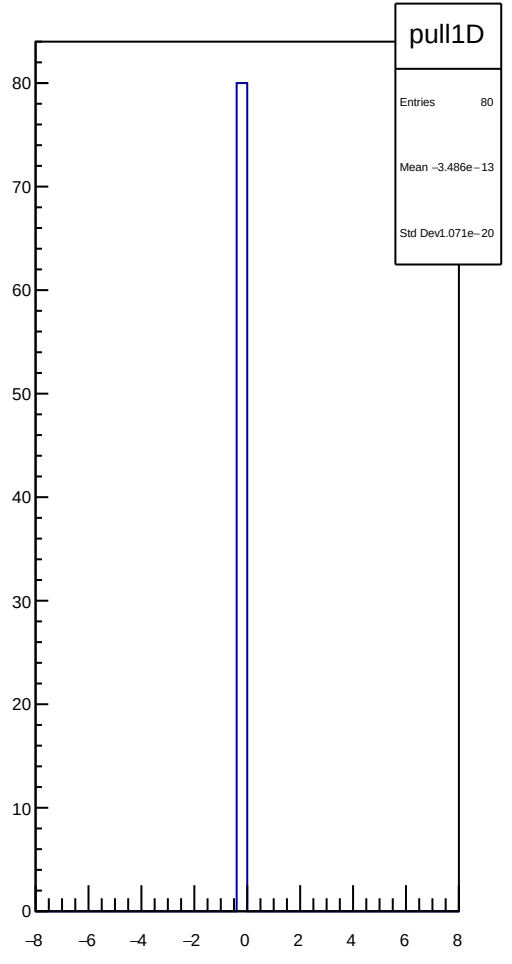

dit_atr1_4aY_slope vs run
χ² / ndf 0 / 79
p0 10.75 ± 0.3392
pull
Entries 80
Mean 0
Std Dev 0
pull1D
Entries 80
Mean 0
Std Dev 0

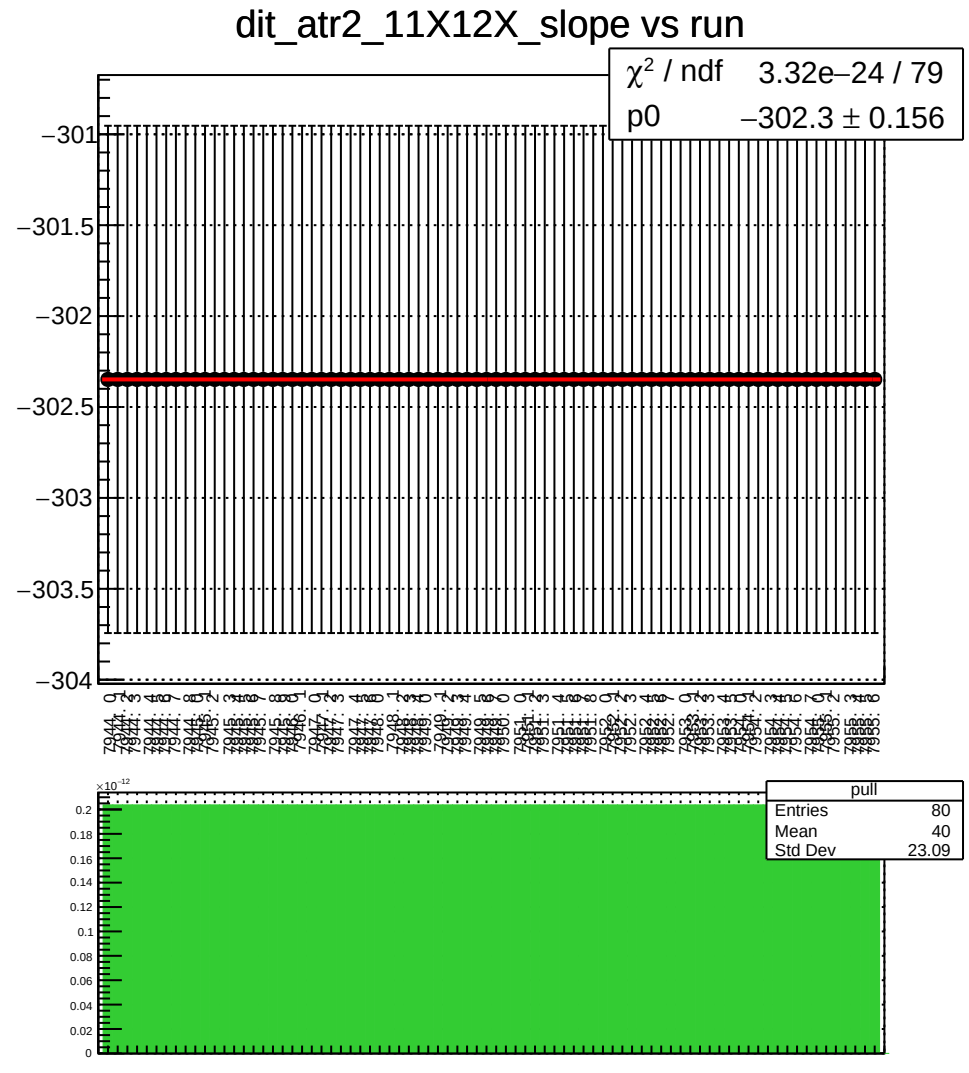

dit_atr1_4eY_slope vs run
χ² / ndf 5.745e−28 / 79
p0 −8.232 ± 0.2964
−6
−7
−8
−9
−10
−11
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

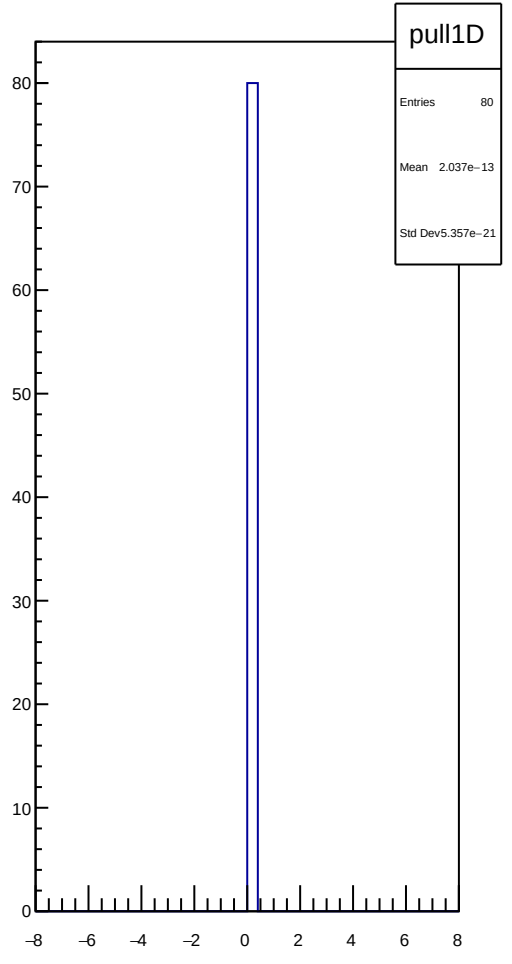

pull1D
Entries 80
Mean 2.68e−15
Std Dev1.242e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

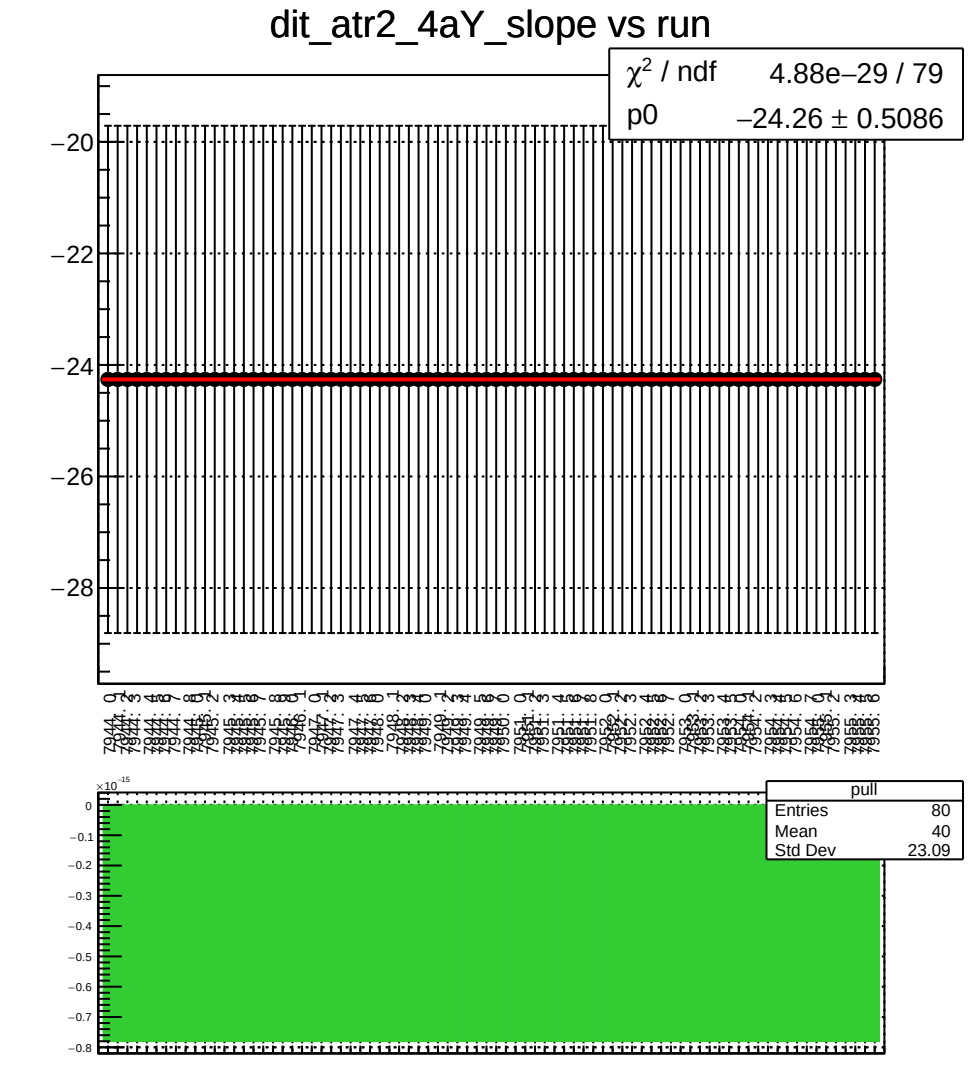

dit_atr2_4aX_slope vs run
χ² / ndf 6.063e−25 / 79
p0 −790.3 ± 0.876
−782
−784
−786
−788
−790
−792
−794
−796
−798
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0
pull1D
Entries 80
Mean 8.706e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

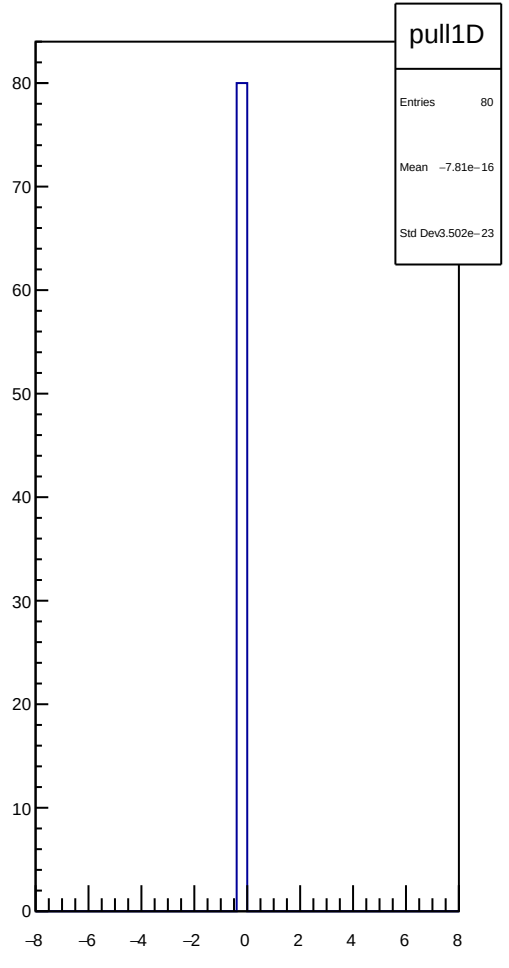

dit_atr2_4eX_slope vs run
χ² / ndf 9.724e−24 / 79
p0 819.2 ± 0.4375
823
822
821
820
819
818
817
816
815
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

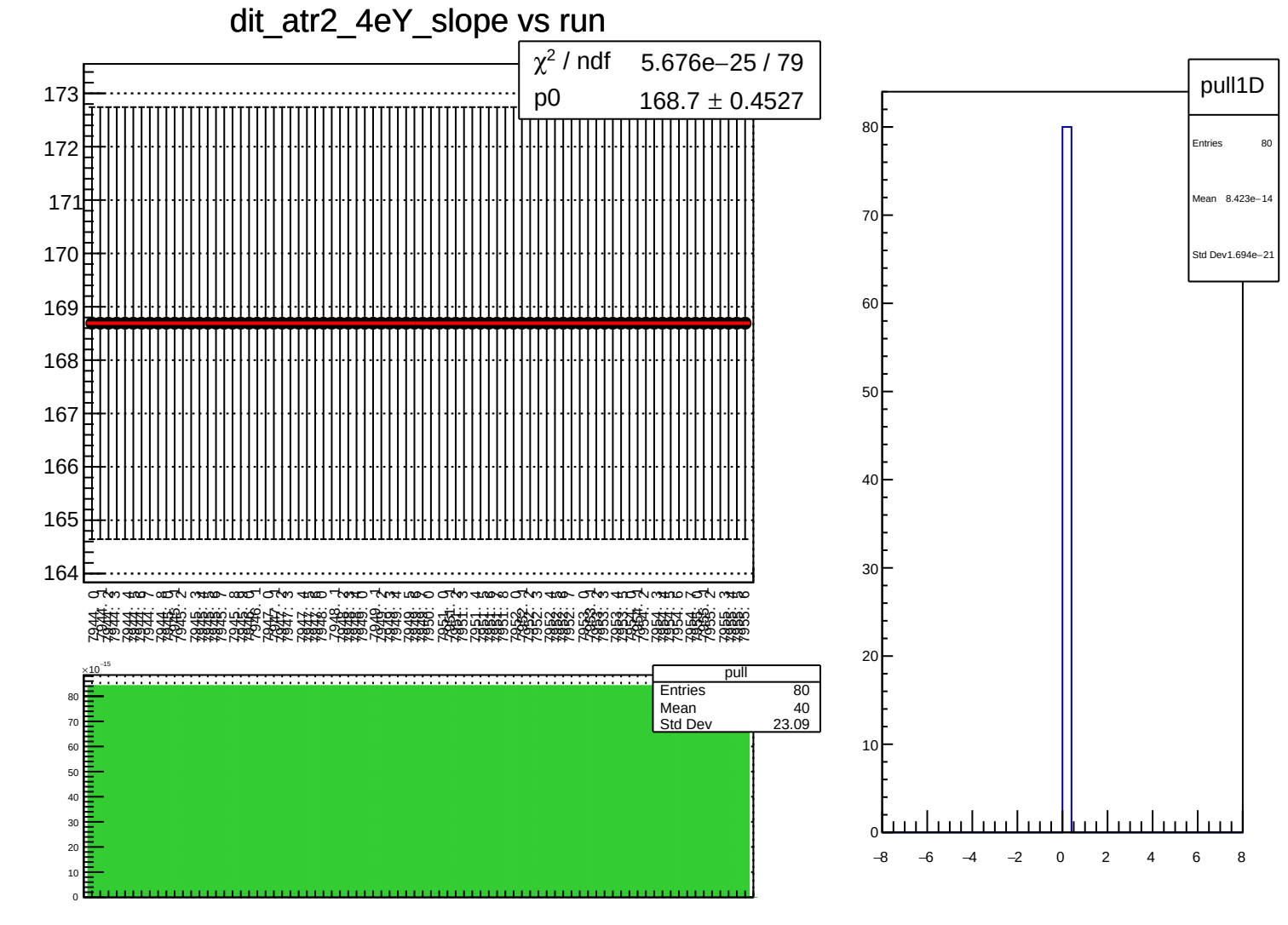

pull1D
Entries 80
Mean −3.486e−13
Std Dev1.071e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

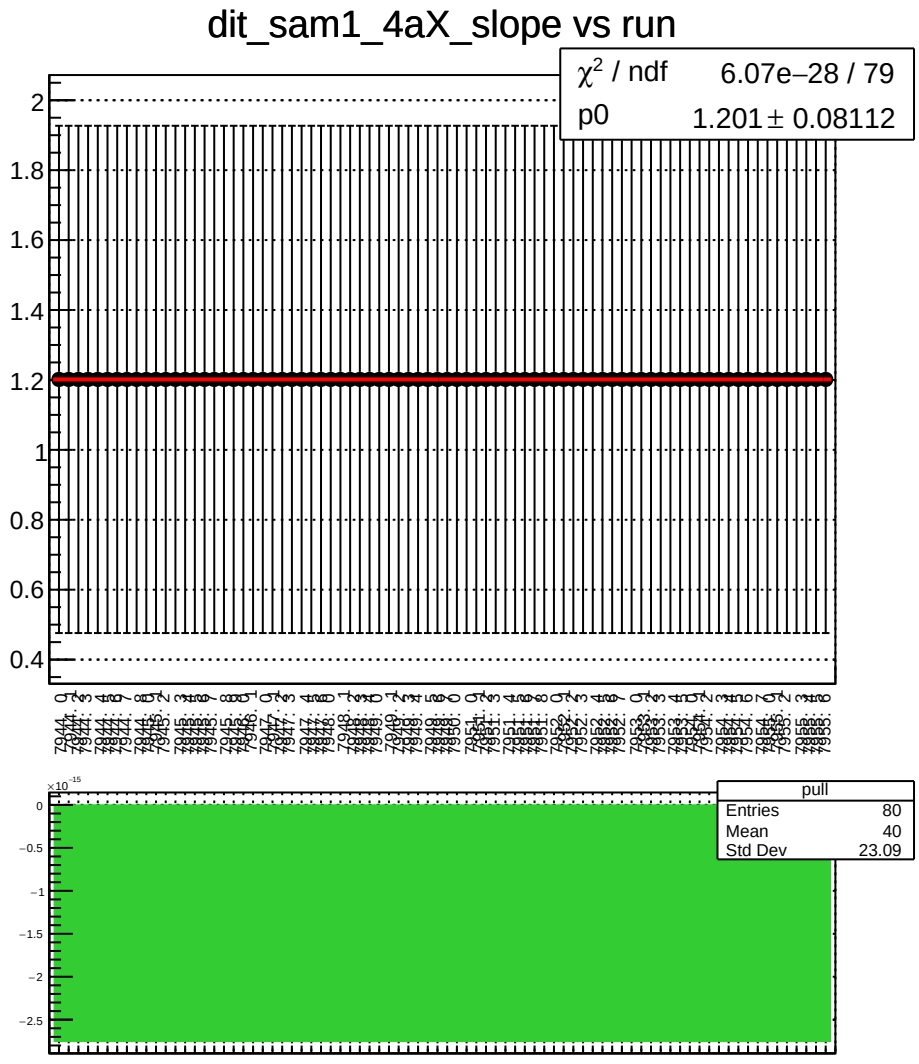

dit_atr2_11X12X_slope vs run
χ² / ndf 3.32e−24 / 79
p0 −302.3 ± 0.156
−301
−301.5
−302
−302.5
−303
−303.5
−304
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

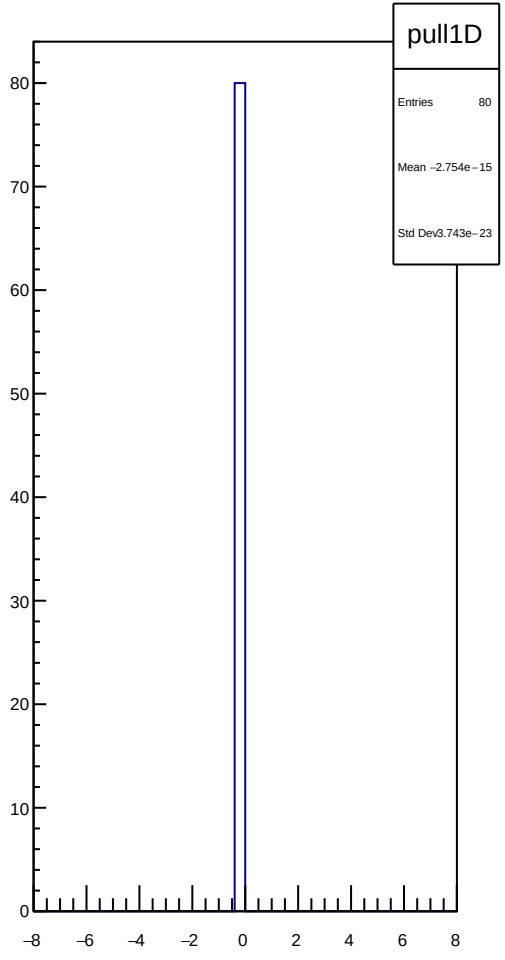

pull1D
Entries 80
Mean 2.037e−13
Std Dev 5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

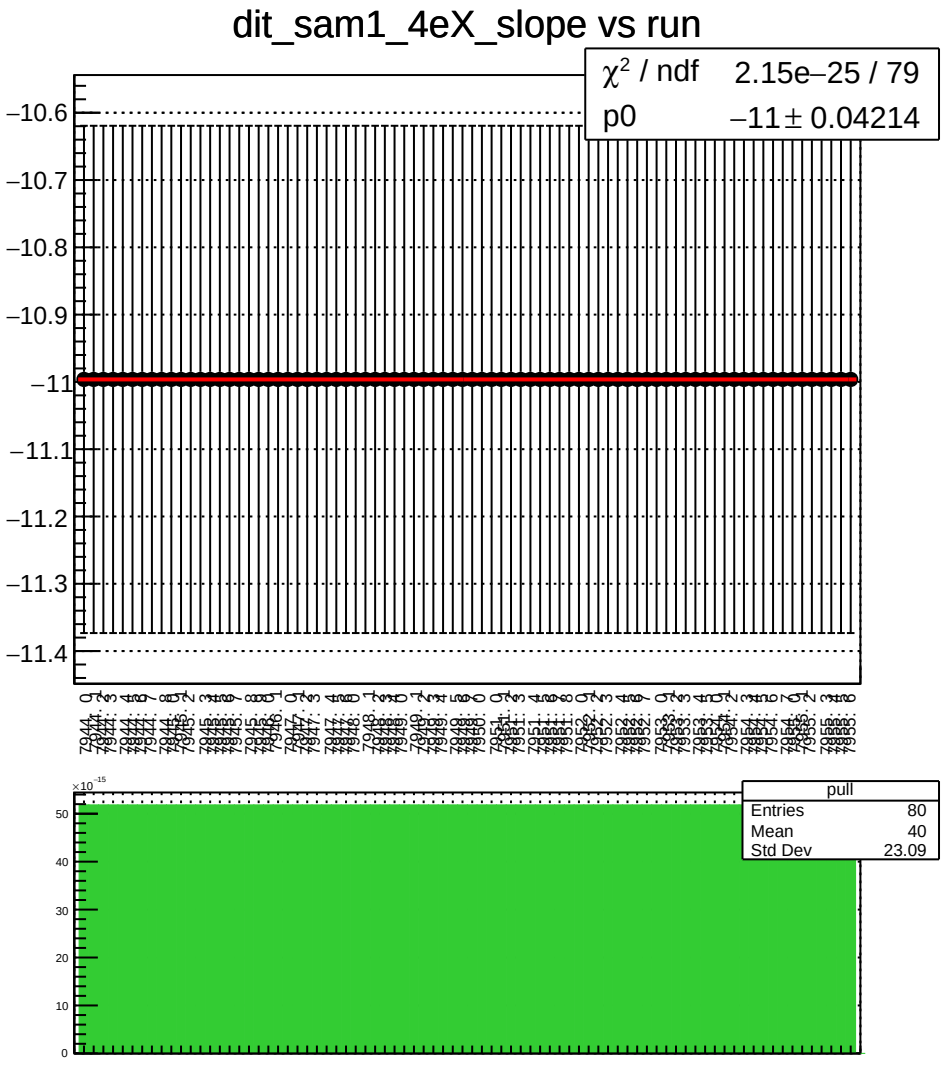

dit_atr2_4aY_slope vs run
χ² / ndf 4.88e−29 / 79
p0 −24.26 ± 0.5086
−20
−22
−24
−26
−28
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

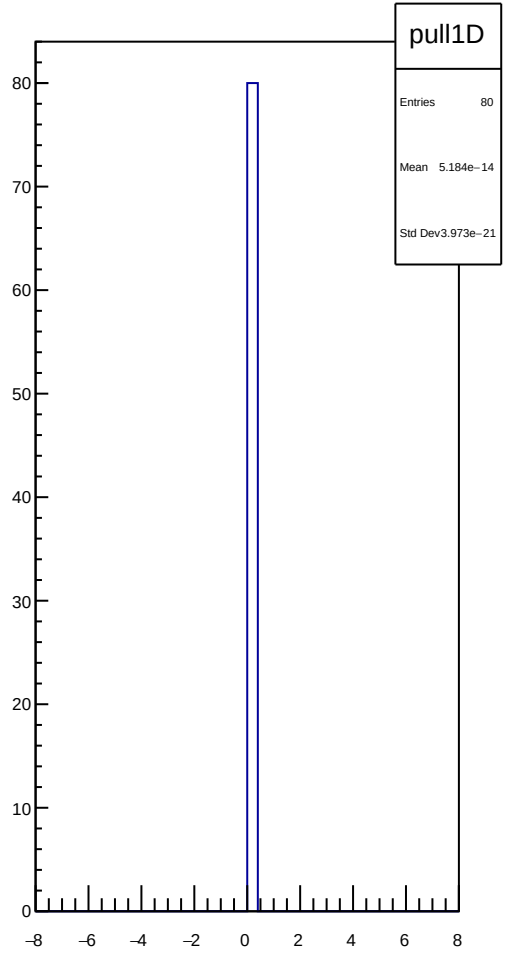

pull1D
Entries 80
Mean −7.81e−16
Std Dev 3.502e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

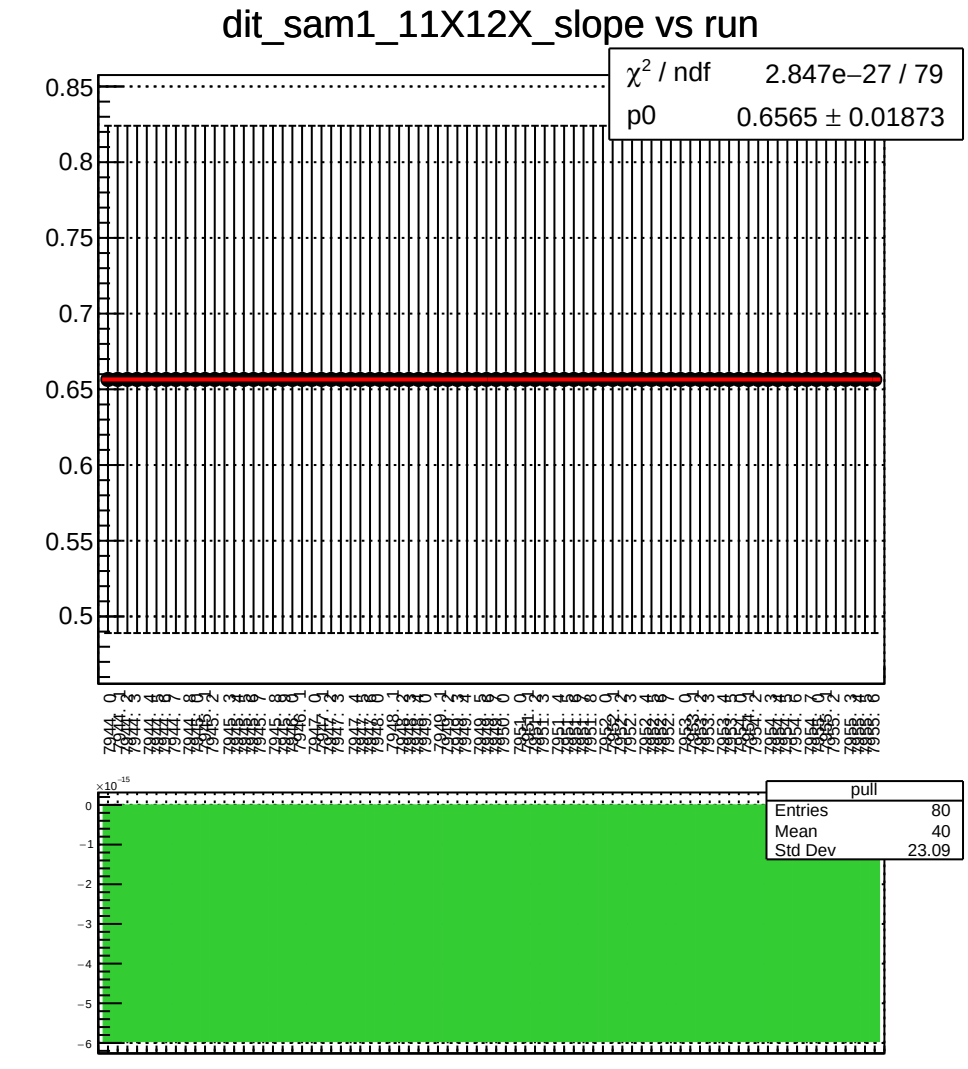

dit_atr2_4eY_slope vs run
χ² / ndf 5.676e−25 / 79
p0 168.7 ± 0.4527
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.423e−14
Std Dev1.694e−21

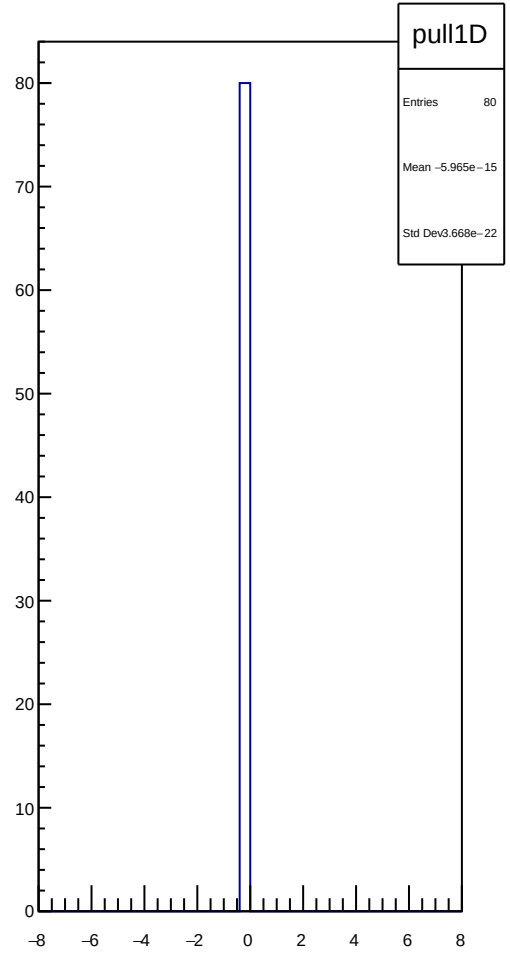

dit_sam1_4aX_slope vs run
χ² / ndf 6.07e−28 / 79
p0 1.201 ± 0.08112
pull
Entries 80
Mean 40
Std Dev 23.09

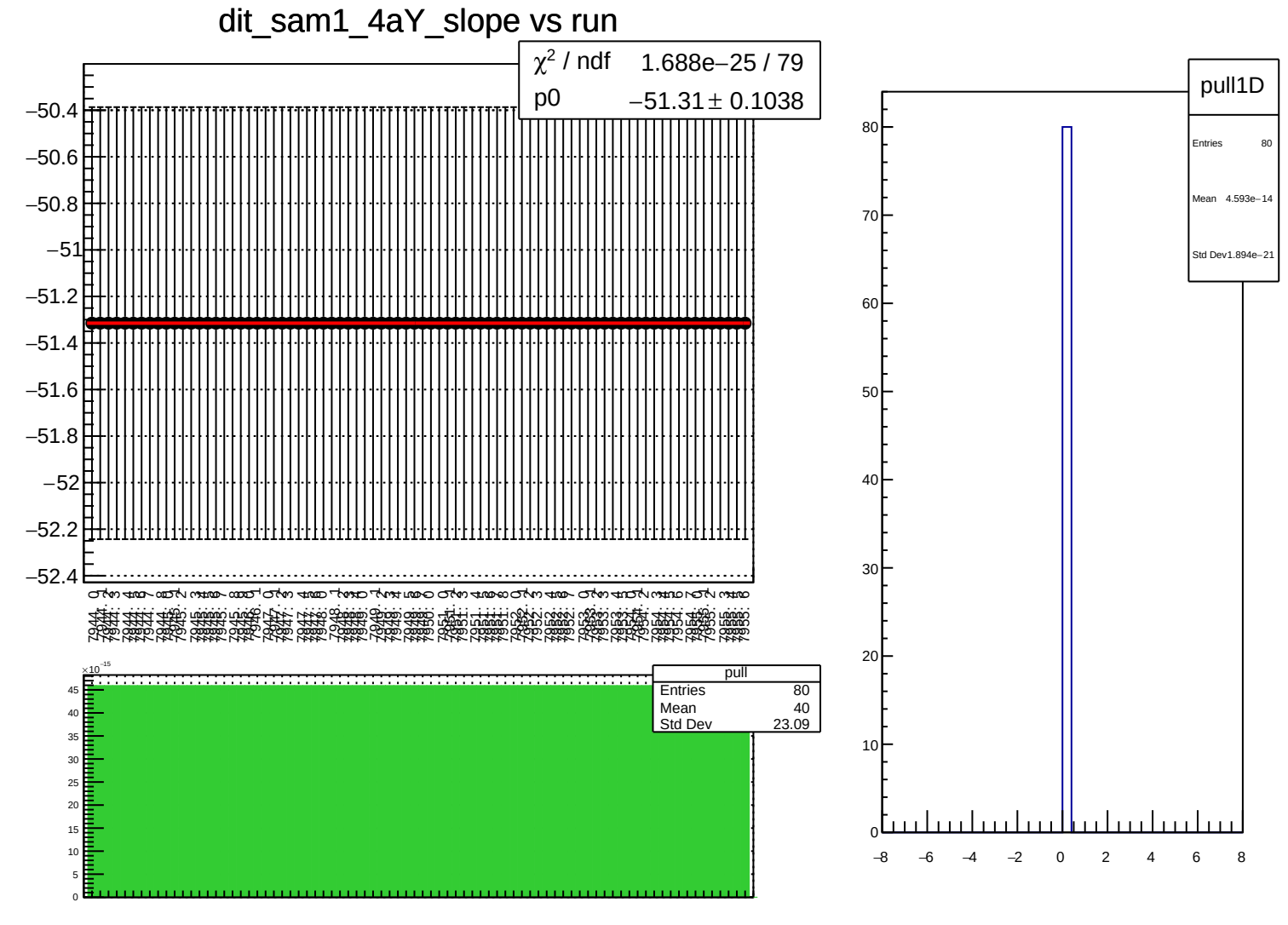

pull1D
Entries 80
Mean −2.754e−15
Std Dev3.743e−23

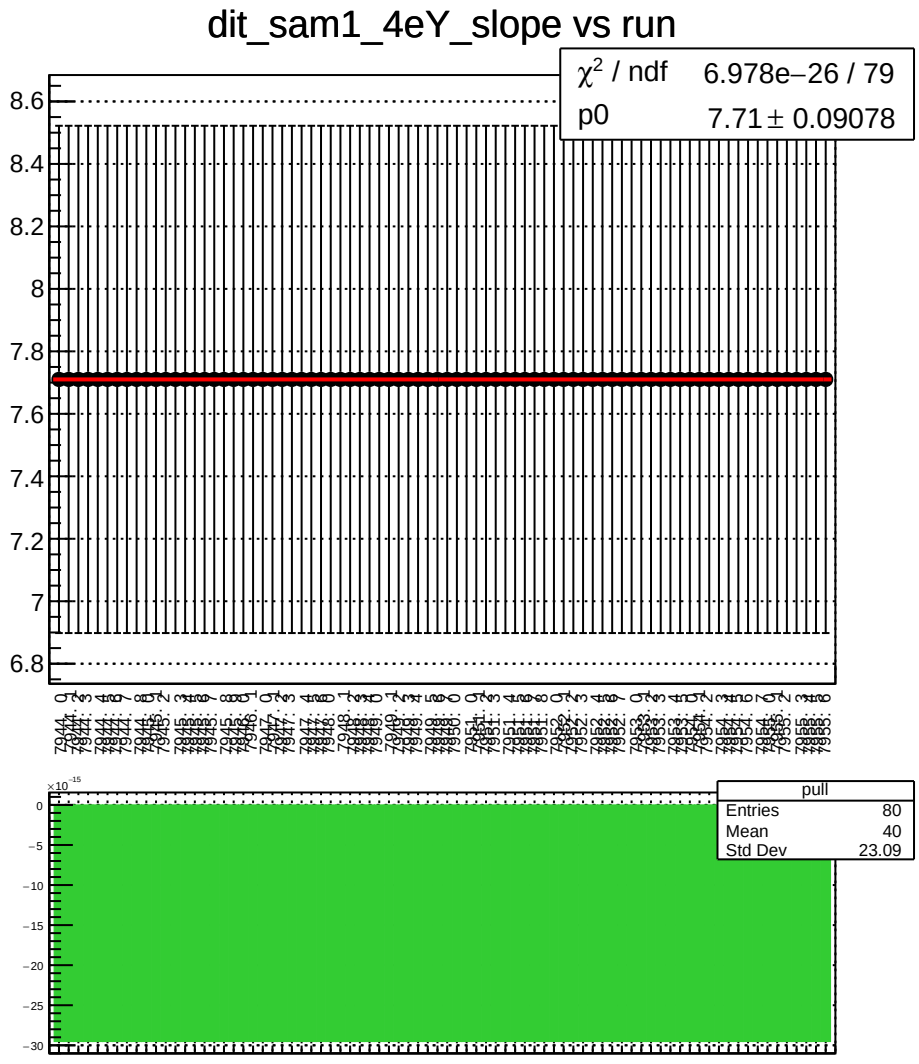

dit_sam1_4eX_slope vs run
χ² / ndf 2.15e−25 / 79
p0 −11 ± 0.04214
−10.6
−10.7
−10.8
−10.9
−11
−11.1
−11.2
−11.3
−11.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
50
40
30
20
10
0

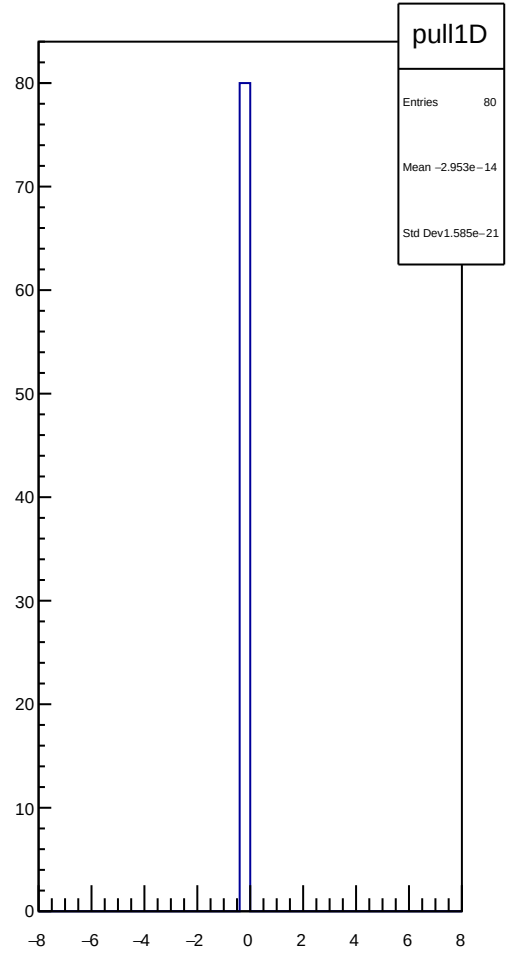

pull1D
Entries 80
Mean 5.184e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

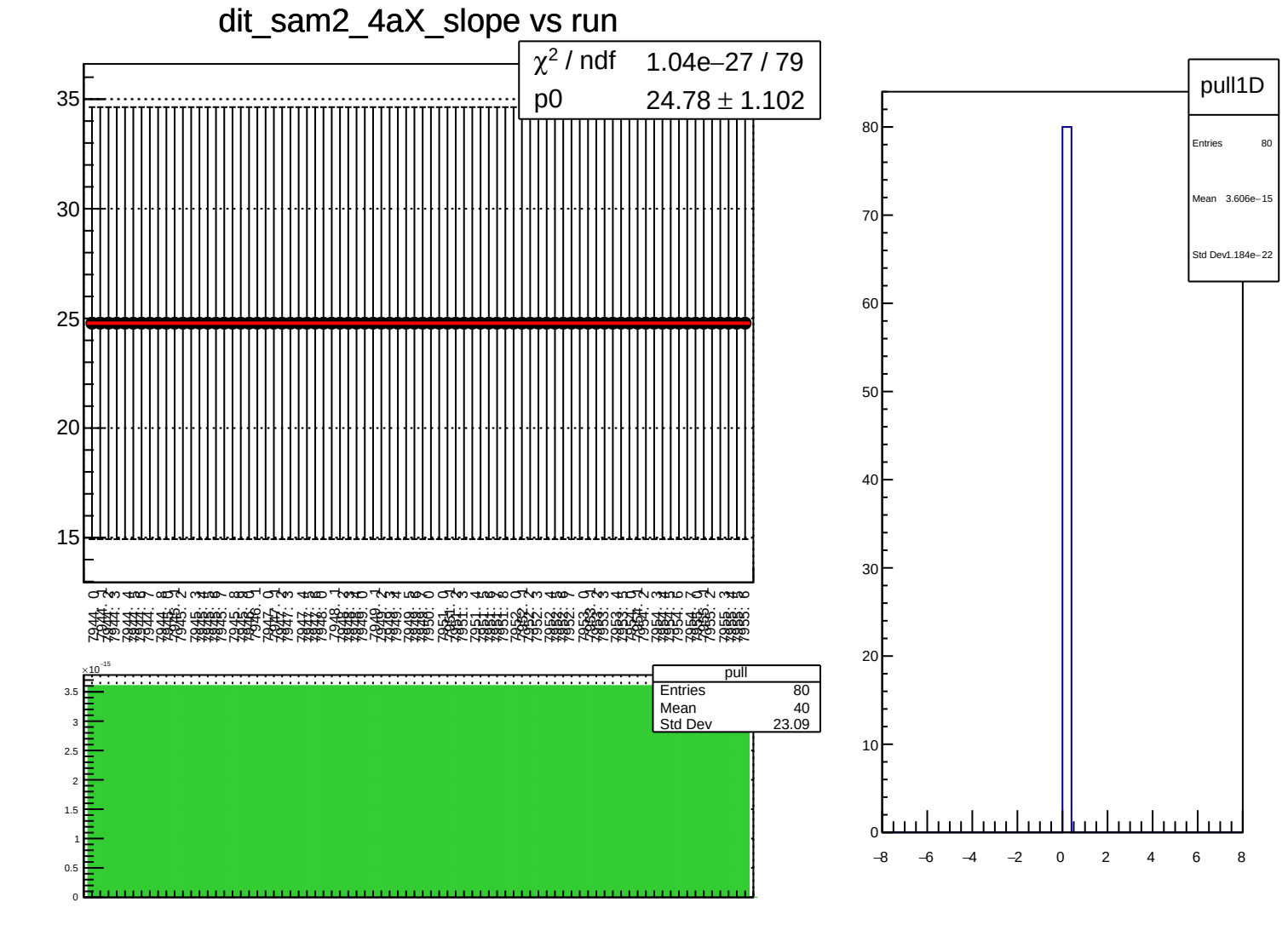

dit_sam1_11X12X_slope vs run
χ² / ndf 2.847e−27 / 79
p0 0.6565 ± 0.01873
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

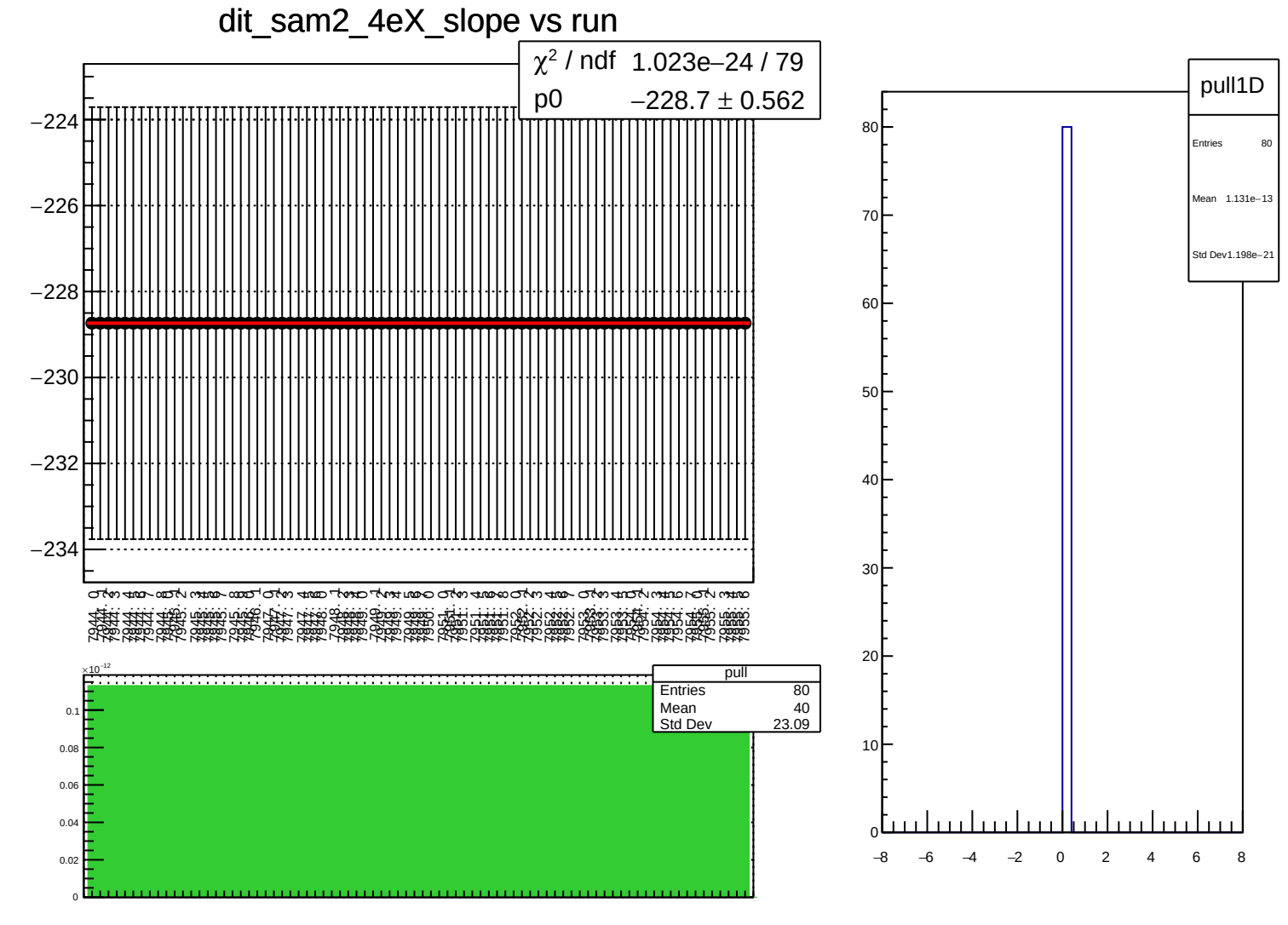

pull1D
Entries 80
Mean −5.965e−15
Std Dev3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

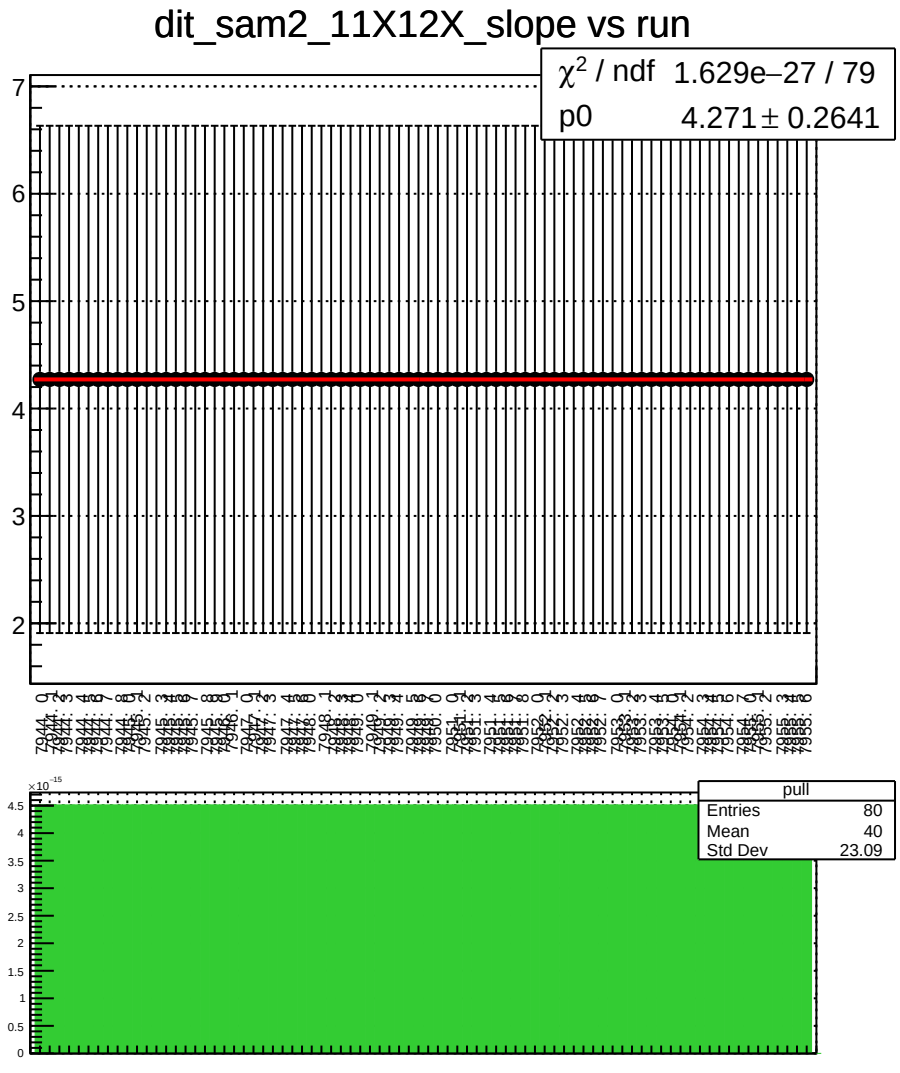

dit_sam1_4aY_slope vs run
χ² / ndf 1.688e−25 / 79
p0 −51.31 ± 0.1038
−50.4
−50.6
−50.8
−51
−51.2
−51.4
−51.6
−51.8
−52
−52.2
−52.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull1D
Entries 80
Mean 4.593e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

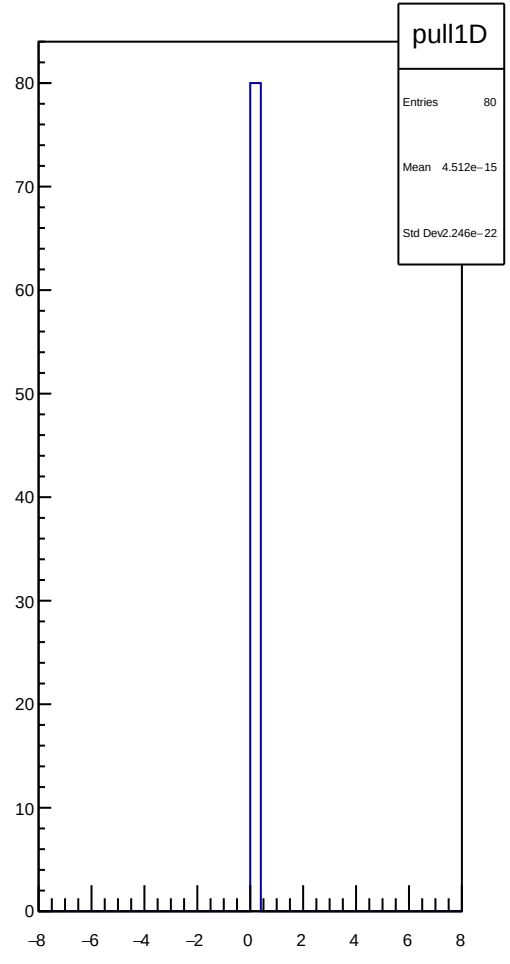

dit_sam1_4eY_slope vs run
χ² / ndf 6.978e−26 / 79
p0 7.71 ± 0.09078
pull
Entries 80
Mean 40
Std Dev 23.09

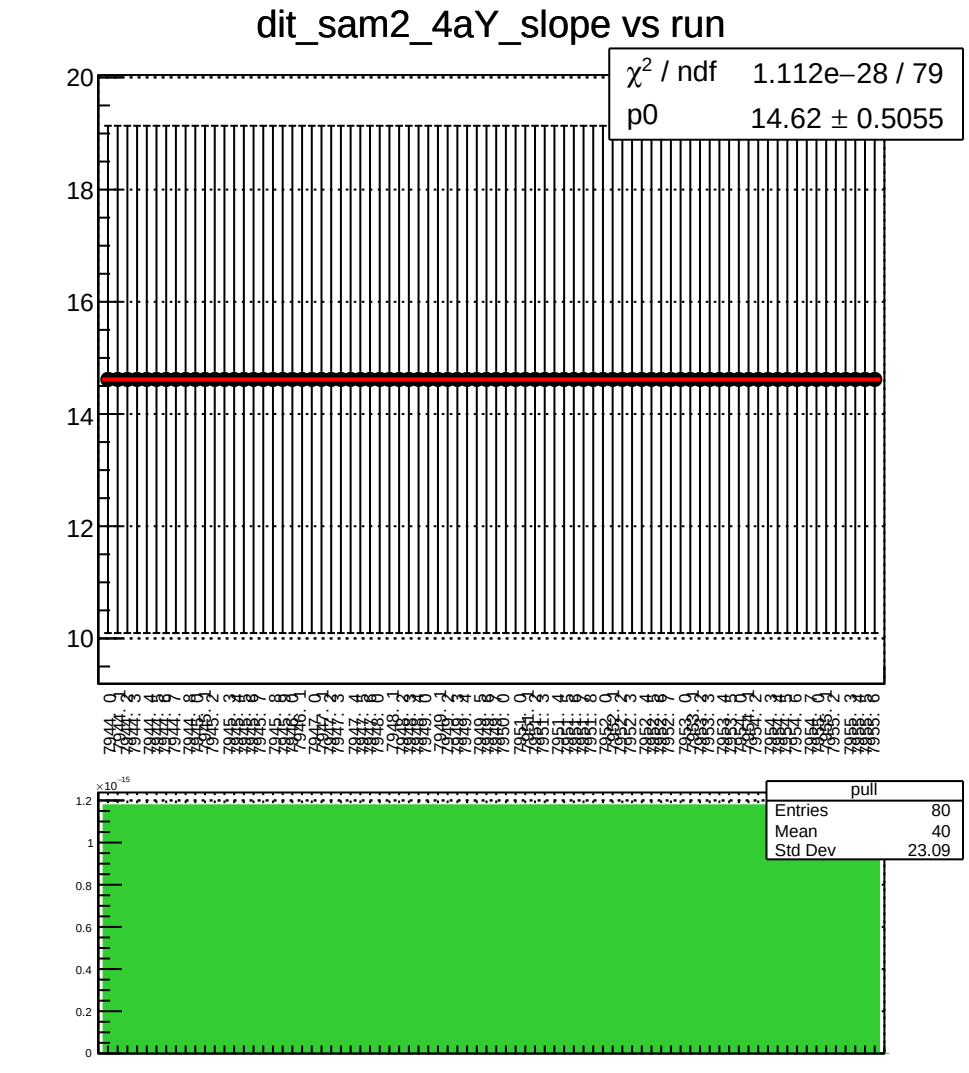

pull1D
Entries 80
Mean −2.953e−14
Std Dev1.585e−21

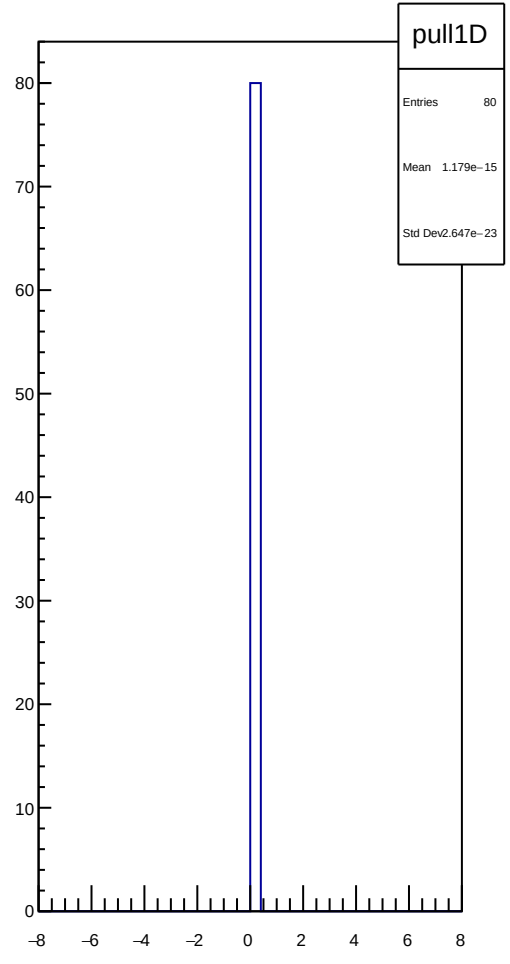

dit_sam2_4aX_slope vs run
χ² / ndf 1.04e−27 / 79
p0 24.78 ± 1.102
35
30
25
20
15
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 80
Mean 3.606e−15
Std Dev1.184e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

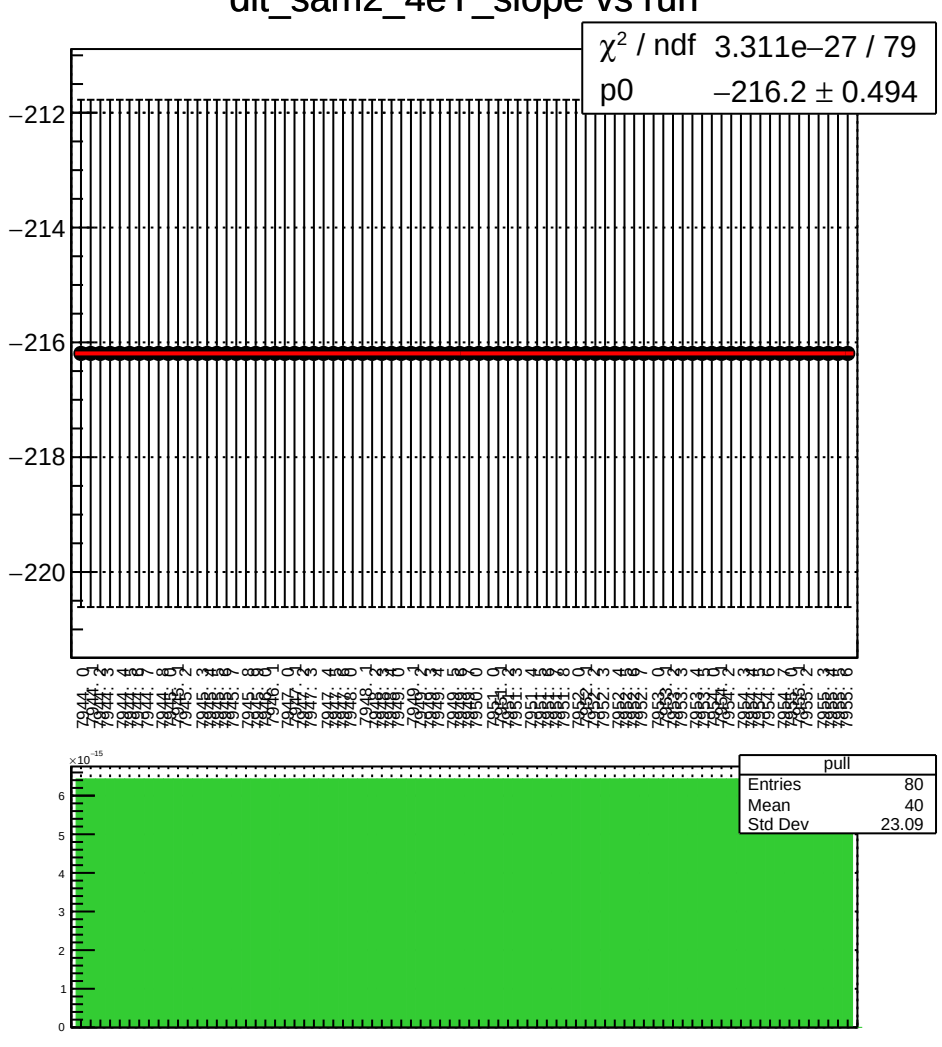

dit_sam2_4eX_slope vs run
χ² / ndf 1.023e−24 / 79
p0 −228.7 ± 0.562
−224
−226
−228
−230
−232
−234
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.131e−13
Std Dev 1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

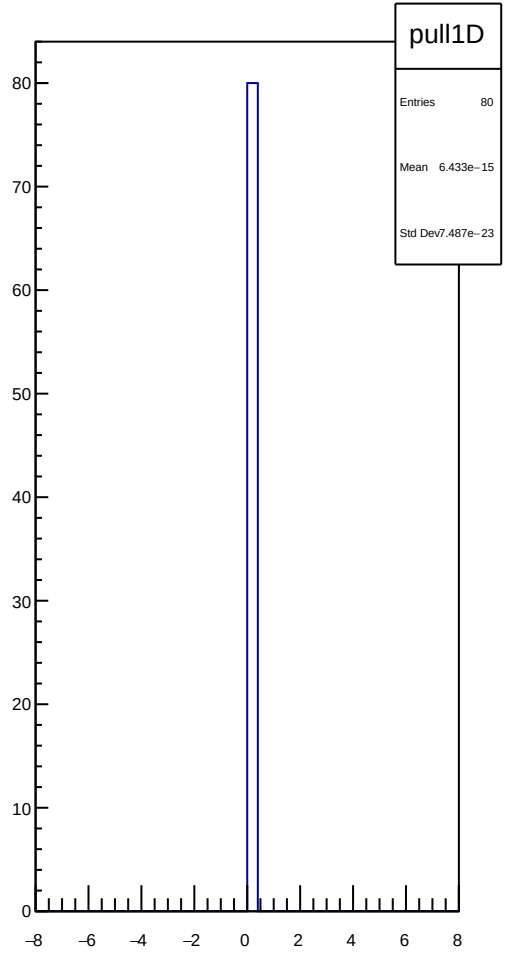

dit_sam2_11X12X_slope vs run
χ² / ndf 1.629e−27 / 79
p0 4.271 ± 0.2641
pull
Entries 80
Mean 40
Std Dev 23.09

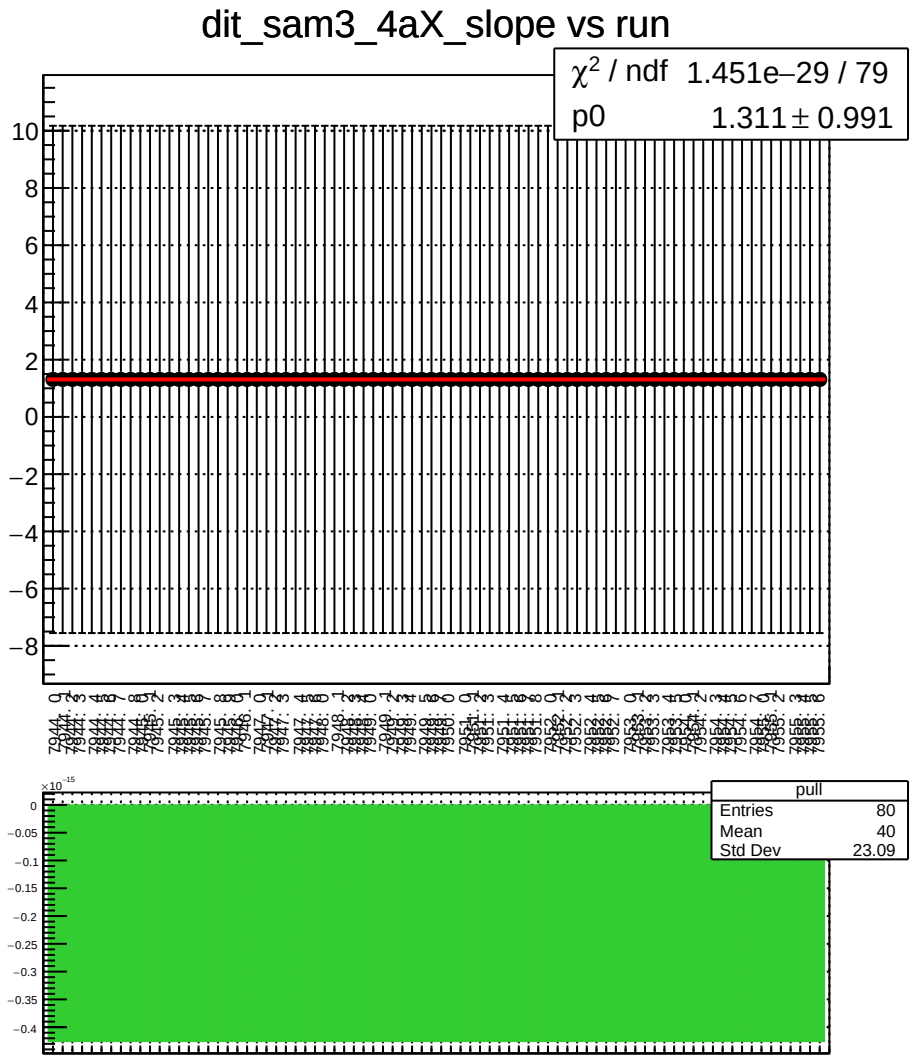

pull1D
Entries 80
Mean 4.512e−15
Std Dev 2.246e−22

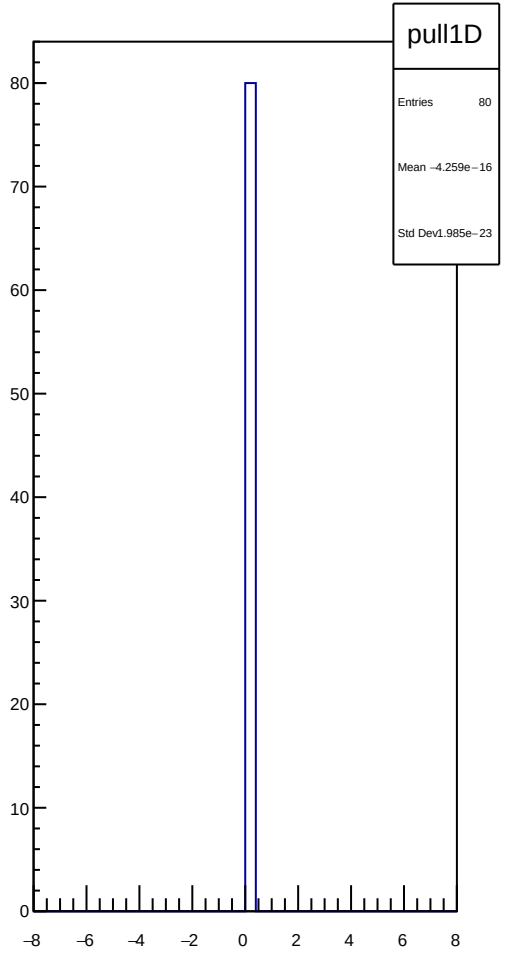

dit_sam2_4aY_slope vs run
χ² / ndf 1.112e−28 / 79
p0 14.62 ± 0.5055
pull
Entries 80
Mean 40
Std Dev 23.09

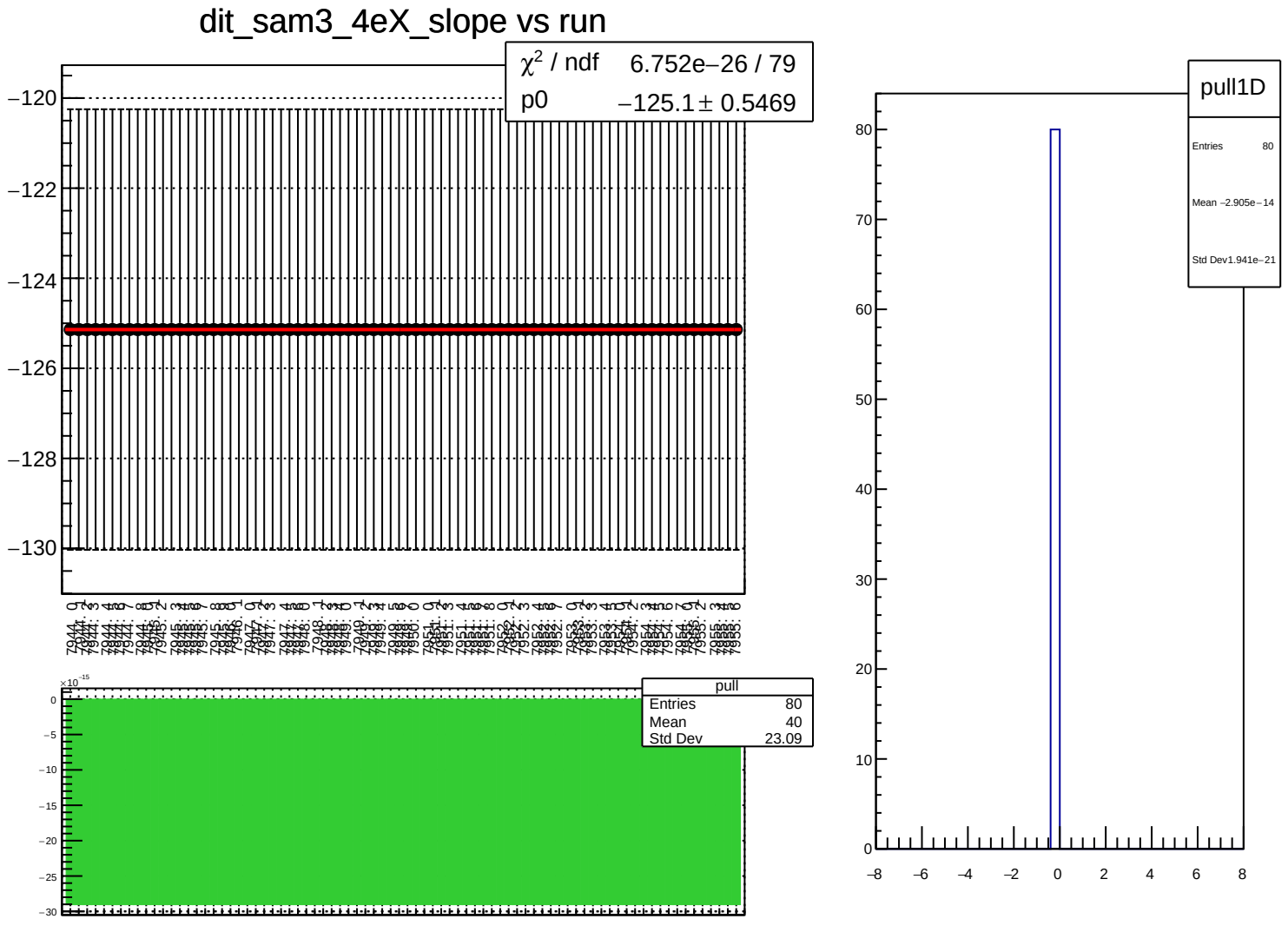

pull1D
Entries 80
Mean 1.179e−15
Std Dev 2.647e−23

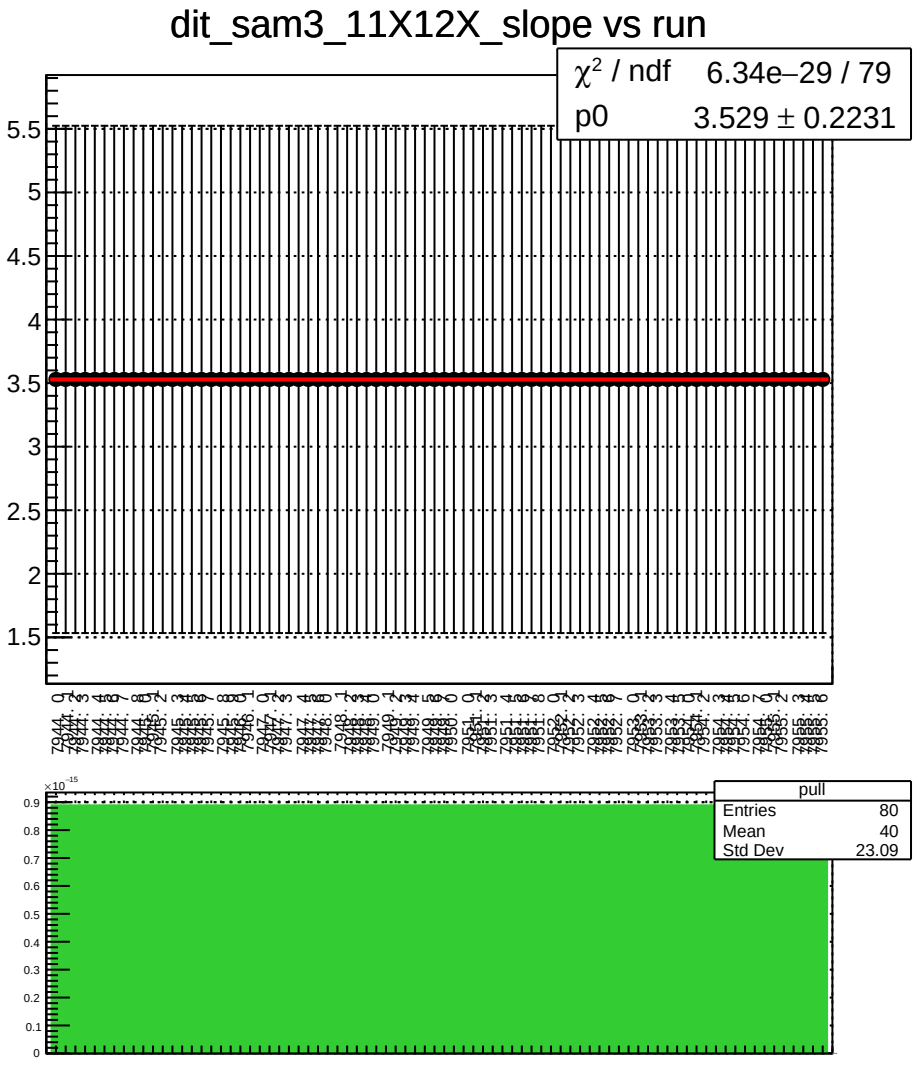

dit_sam2_4eY_slope vs run
χ² / ndf 3.311e−27 / 79
p0 −216.2 ± 0.494
−212
−214
−216
−218
−220
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
1
2
3
4
5
6

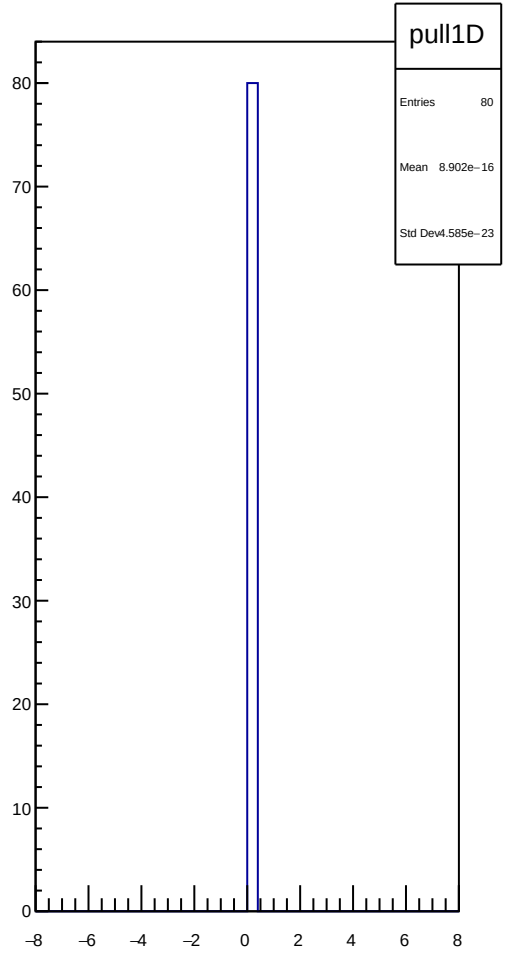

pull1D
Entries 80
Mean 6.433e−15
Std Dev7.487e−23
0
10
20
30
40
50
60
70
80
−8
−6
−4
−2
0
2
4
6
8

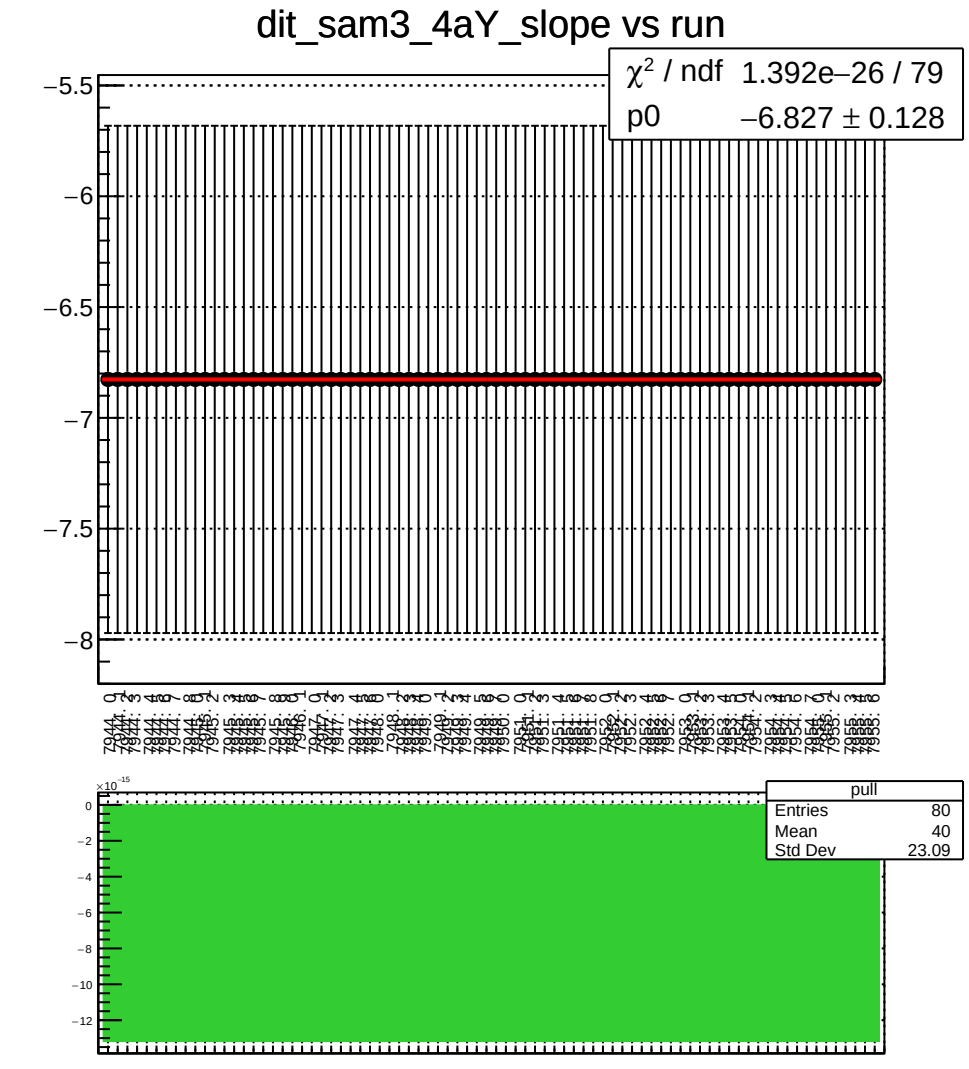

dit_sam3_4aX_slope vs run
χ² / ndf 1.451e−29 / 79
p0 1.311 ± 0.991
pull
Entries 80
Mean 40
Std Dev 23.09

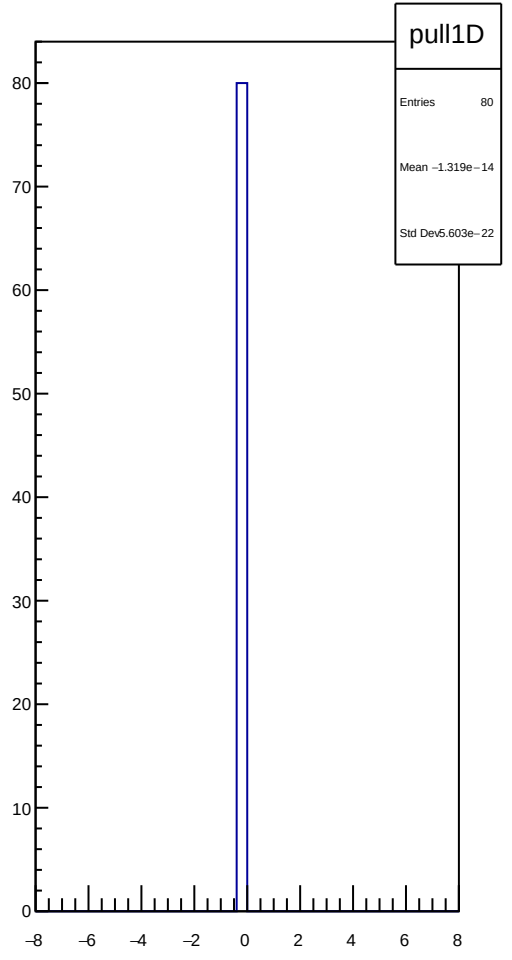

pull1D
Entries 80
Mean −4.259e−16
Std Dev1.985e−23

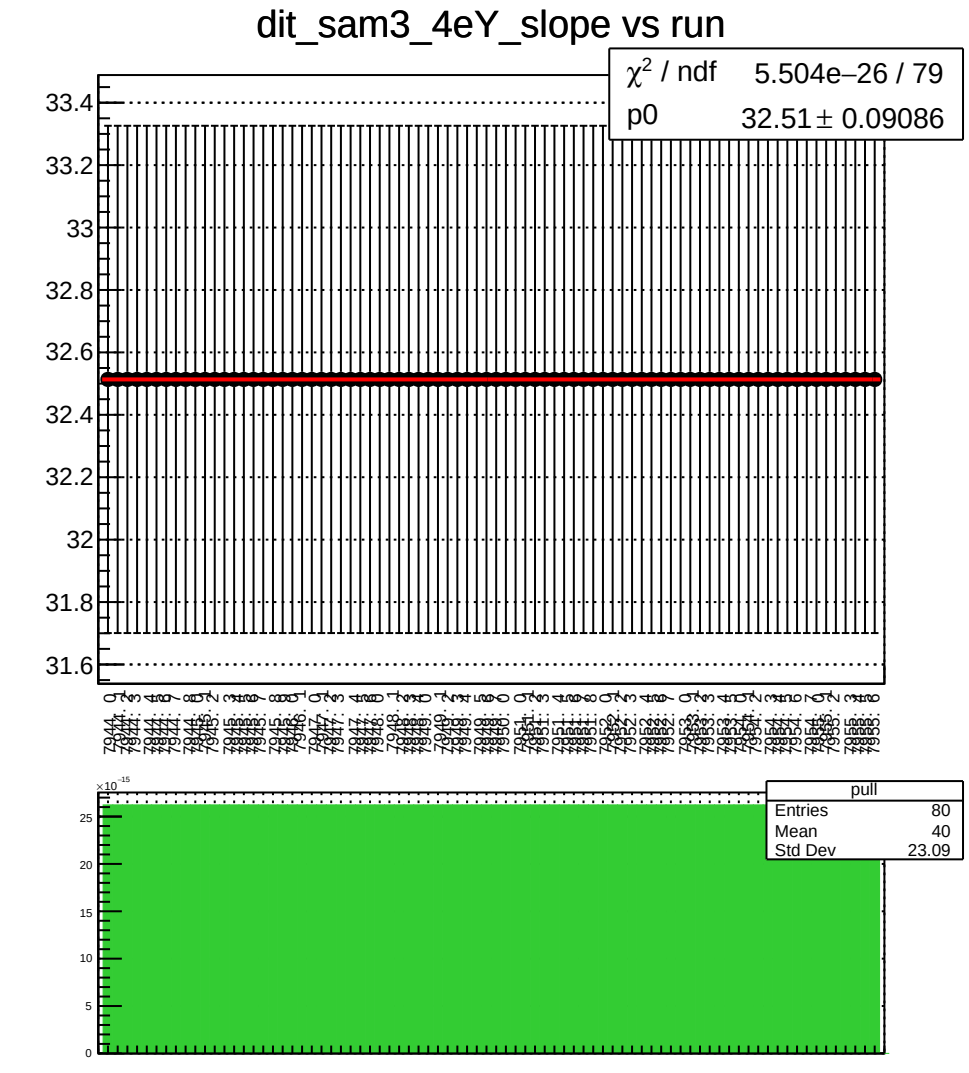

dit_sam3_4eX_slope vs run
χ² / ndf 6.752e−26 / 79
p0 −125.1 ± 0.5469
−120
−122
−124
−126
−128
−130
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 80
Mean −2.905e−14
Std Dev1.941e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

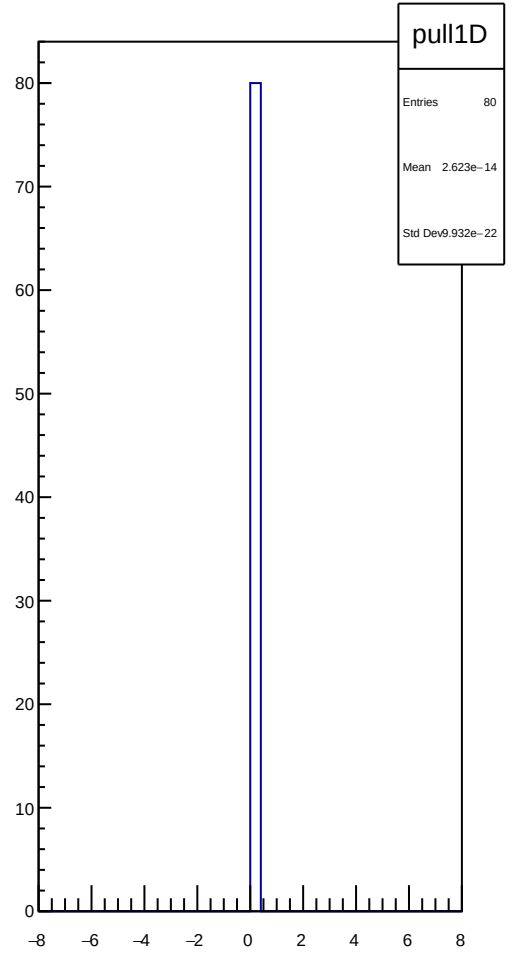

dit_sam3_11X12X_slope vs run
χ² / ndf 6.34e−29 / 79
p0 3.529 ± 0.2231
pull
Entries 80
Mean 40
Std Dev 23.09

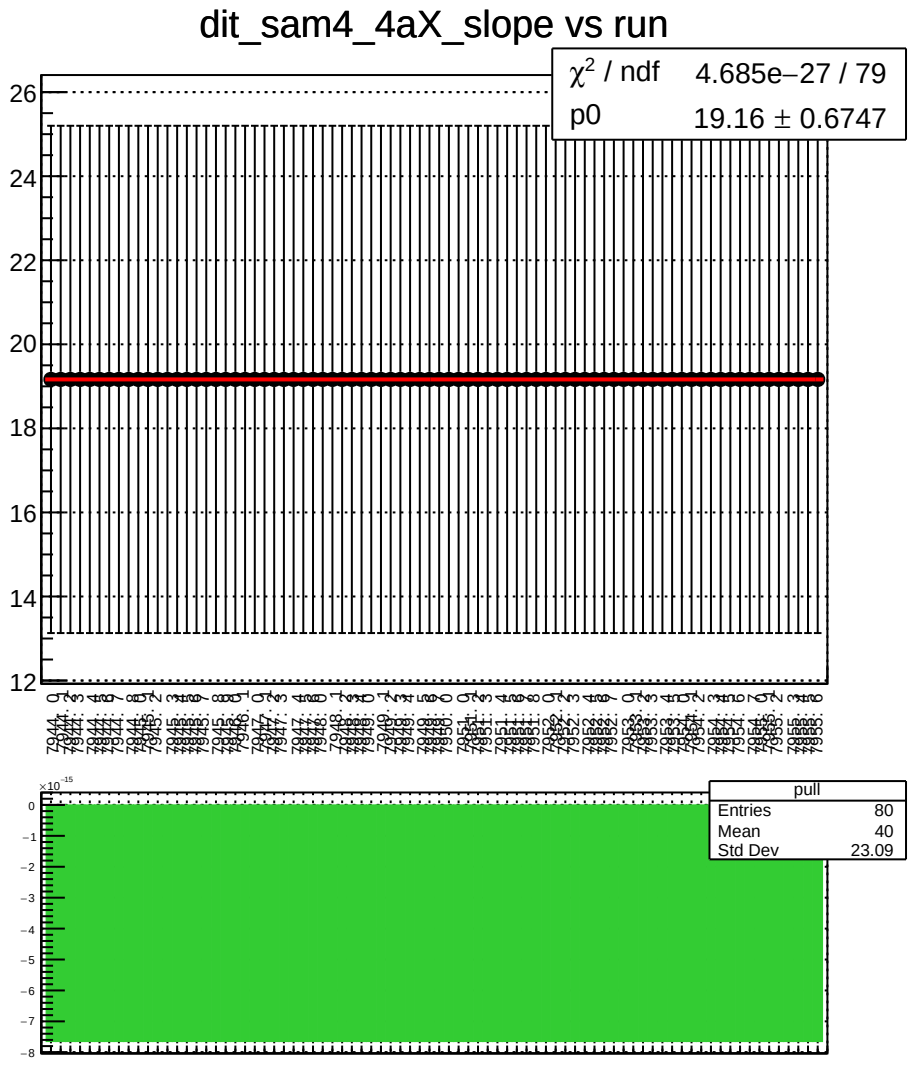

pull1D
Entries 80
Mean 8.902e−16
Std Dev4.585e−23

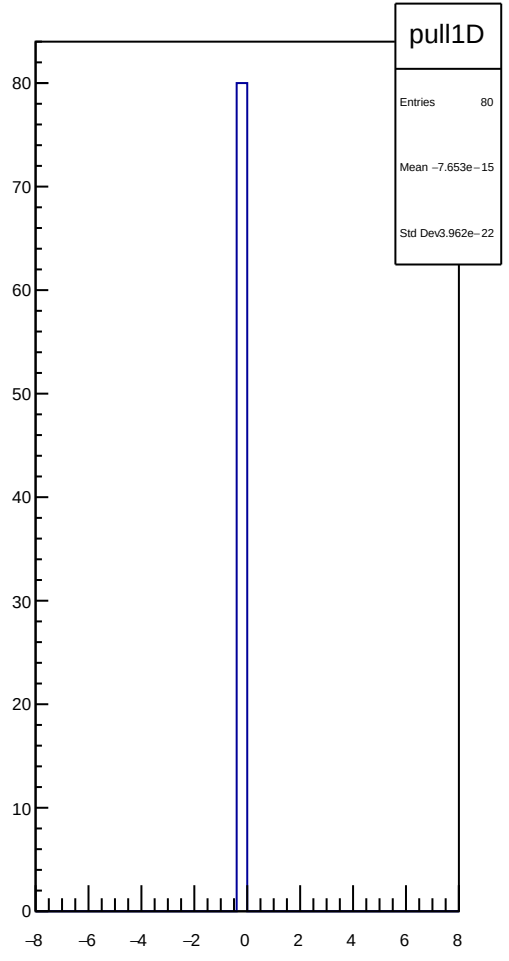

dit_sam3_4aY_slope vs run
χ² / ndf 1.392e−26 / 79
p0 −6.827 ± 0.128
−5.5
−6
−6.5
−7
−7.5
−8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

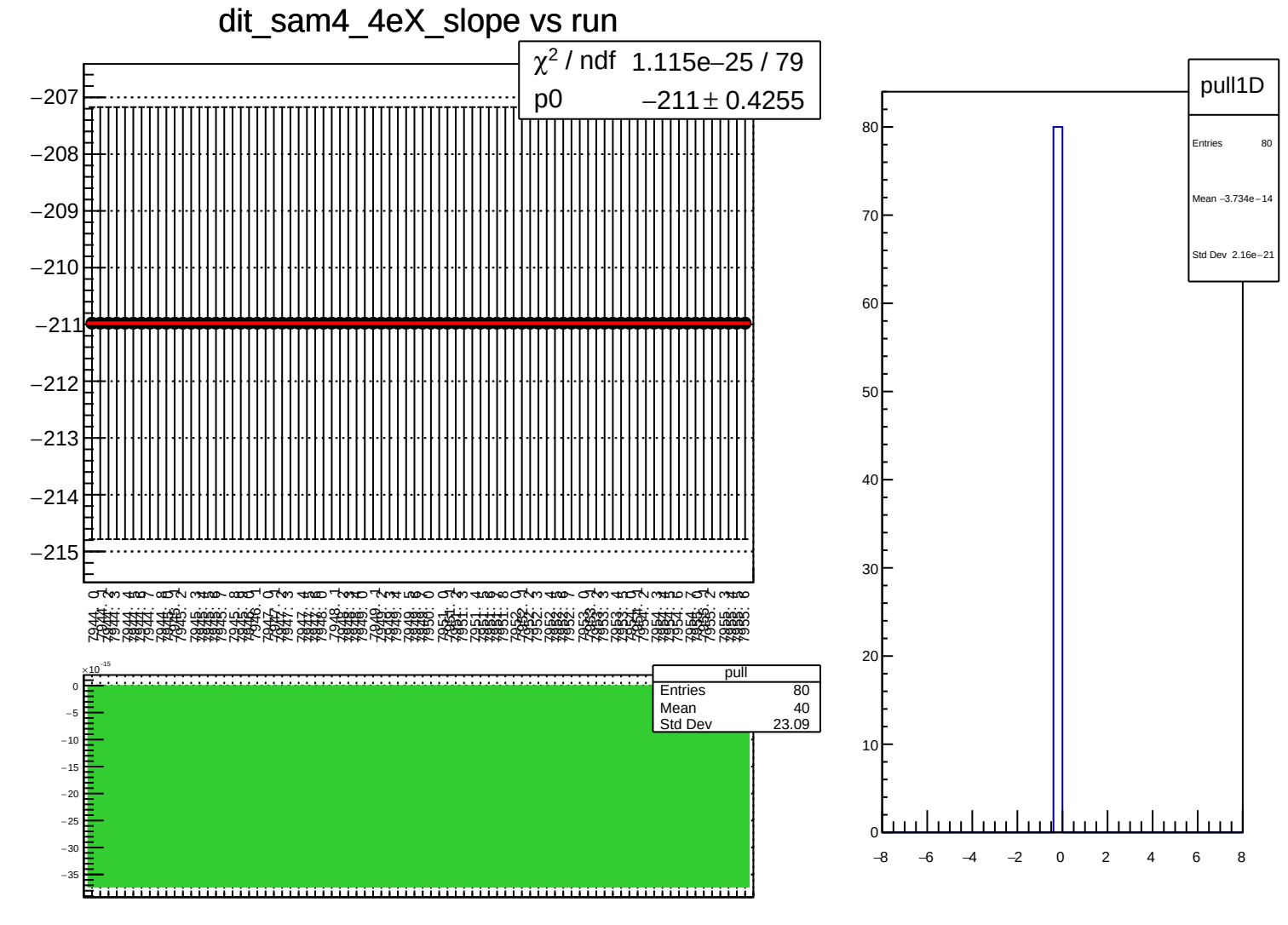

pull1D
Entries 80
Mean −1.319e−14
Std Dev5.603e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

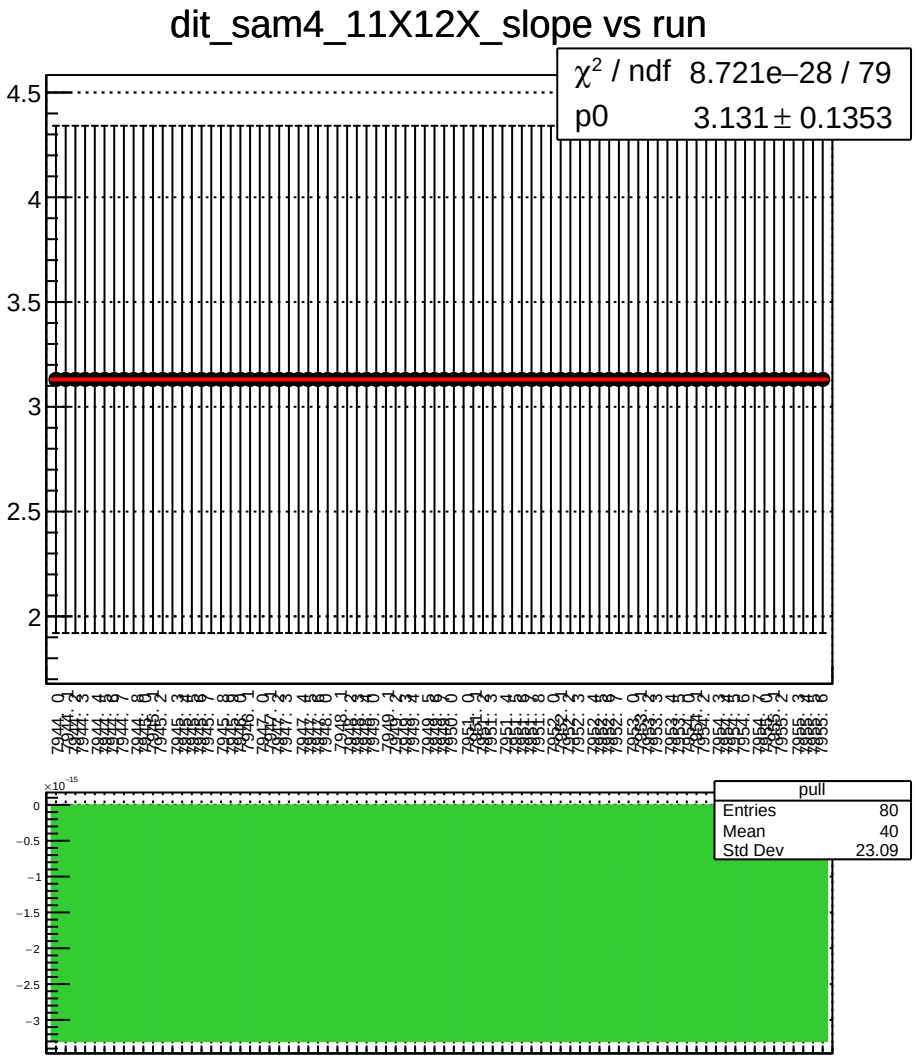

dit_sam3_4eY_slope vs run
χ² / ndf 5.504e−26 / 79
p0 32.51 ± 0.09086
33.4
33.2
33
32.8
32.6
32.4
32.2
32
31.8
31.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
25
20
15
10
5
0

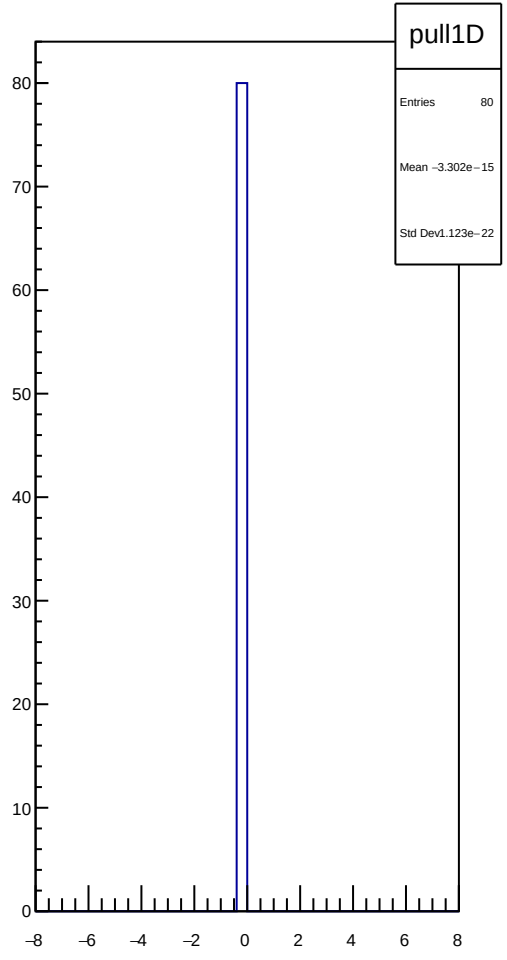

pull1D
Entries 80
Mean 2.623e−14
Std Dev 9.932e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

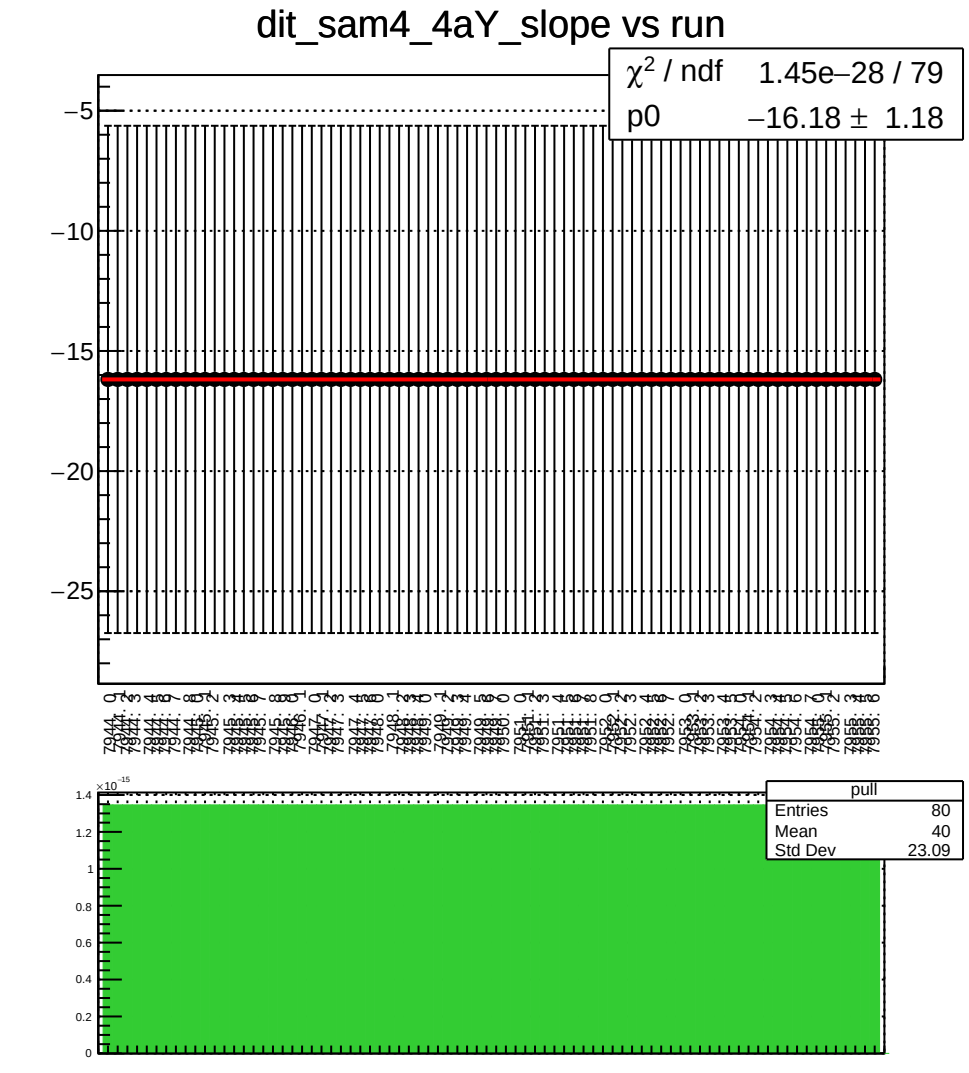

dit_sam4_4aX_slope vs run
χ² / ndf 4.685e−27 / 79
p0 19.16 ± 0.6747
pull
Entries 80
Mean 40
Std Dev 23.09

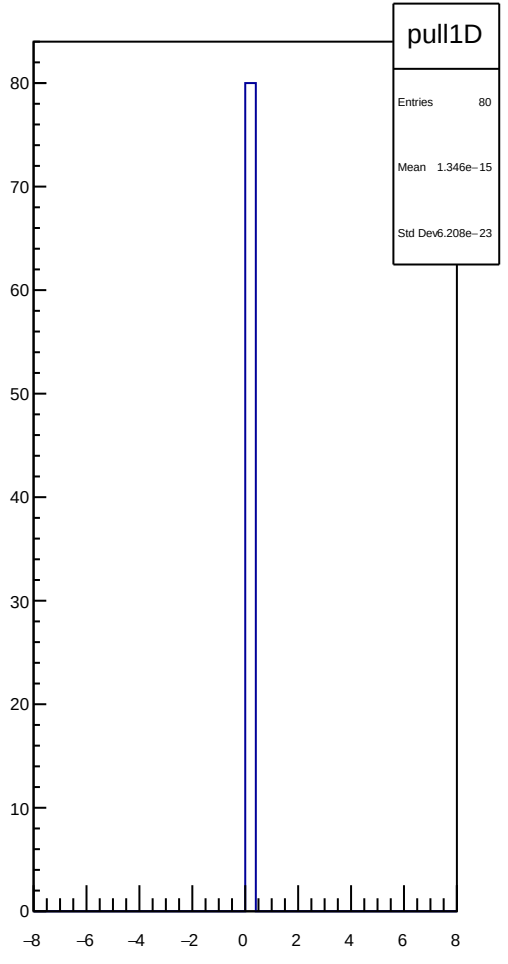

pull1D
Entries 80
Mean −7.653e−15
Std Dev 3.962e−22

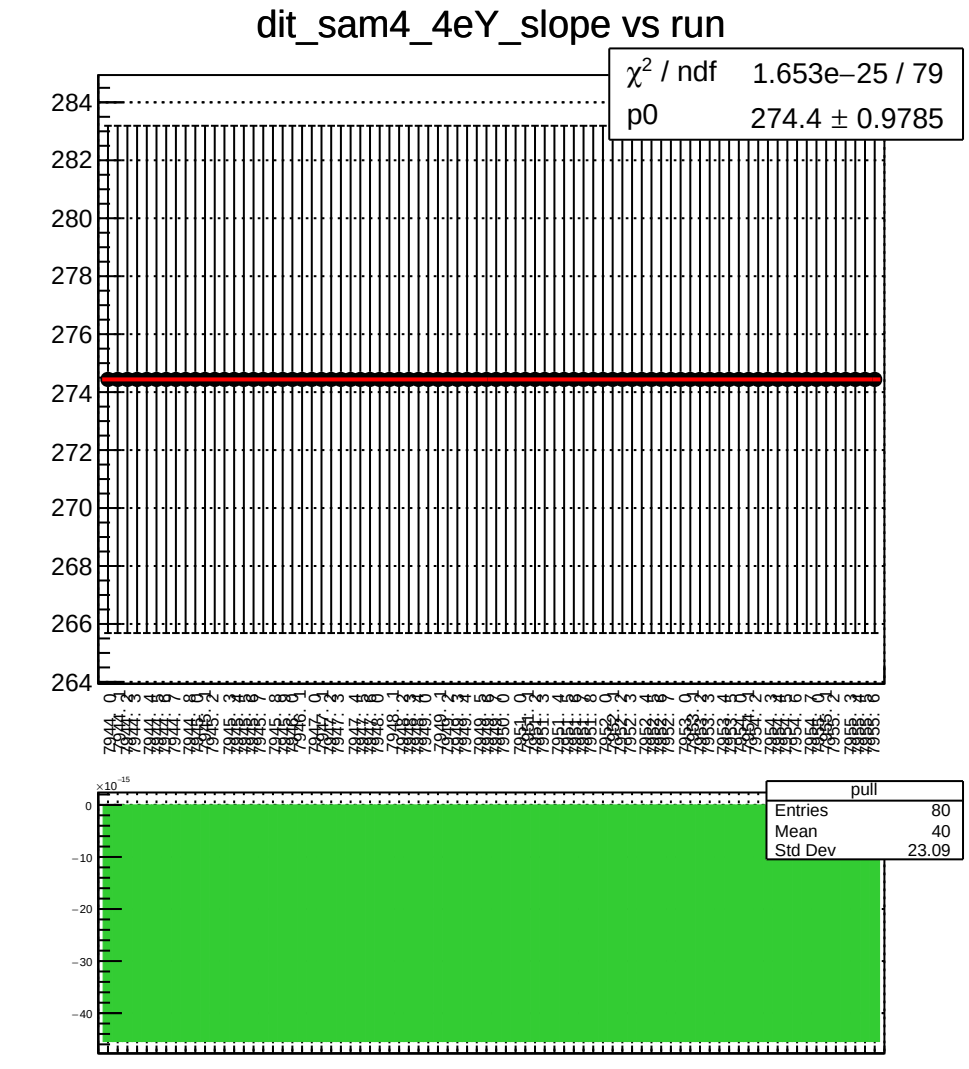

dit_sam4_4eX_slope vs run
χ² / ndf 1.115e−25 / 79
p0 −211 ± 0.4255
−207
−208
−209
−210
−211
−212
−213
−214
−215
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.734e−14
Std Dev 2.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

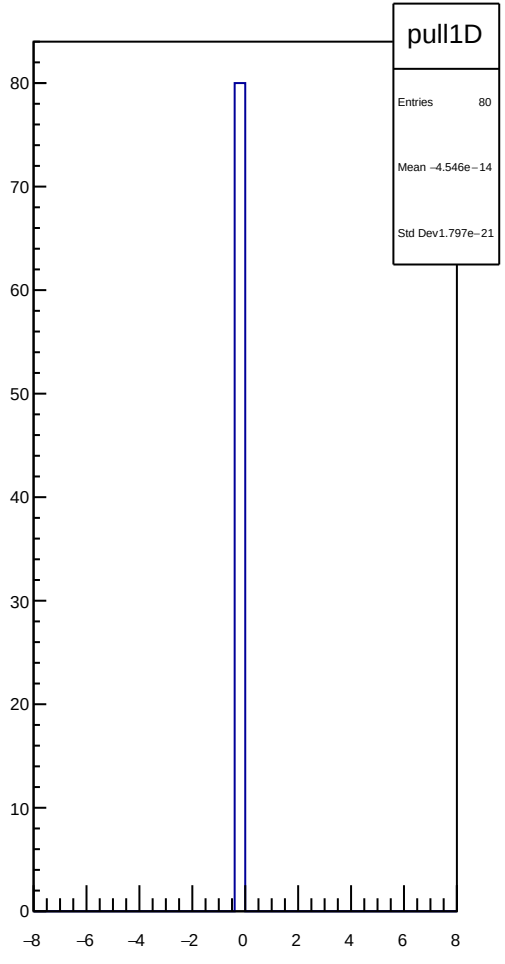

dit_sam4_11X12X_slope vs run
χ^2 / ndf 8.721e−28 / 79
p0 3.131 ± 0.1353
4.5
4
3.5
3
2.5
2
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
0
−0.5
−1
−1.5
−2
−2.5
−3

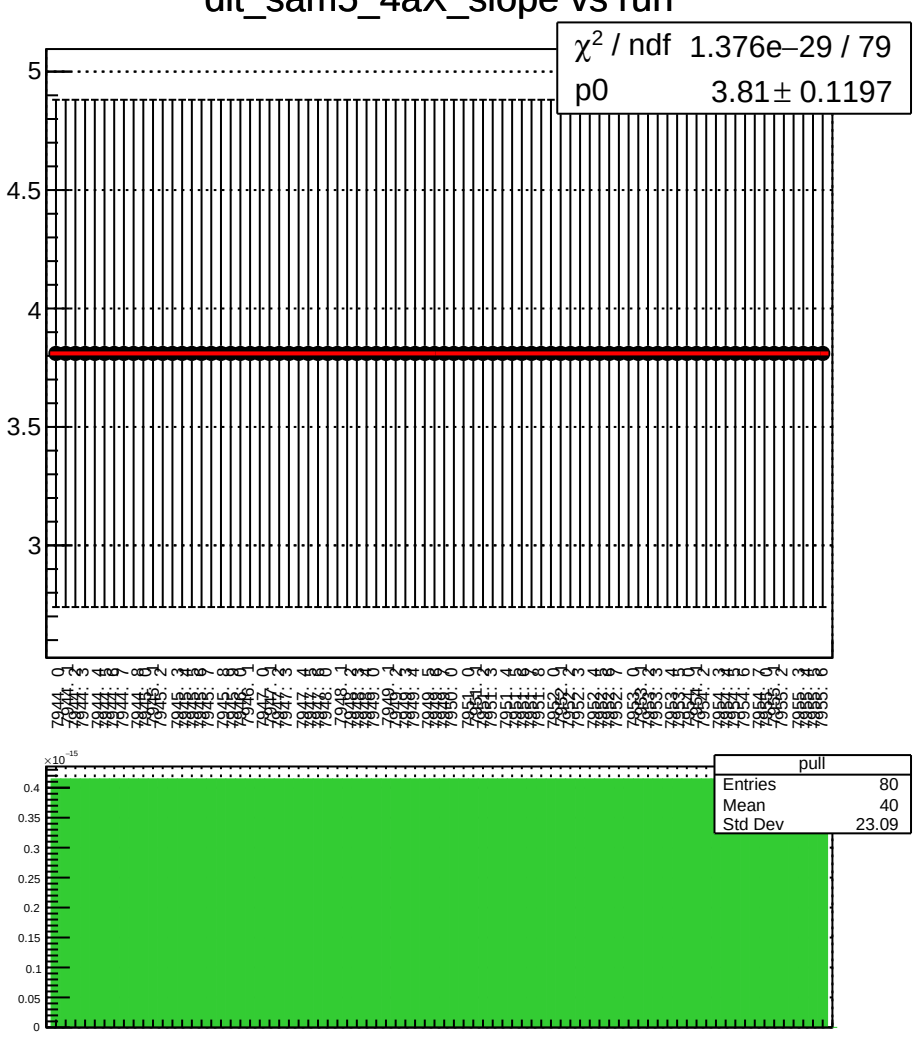

pull1D
Entries 80
Mean −3.302e−15
Std Dev1.123e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

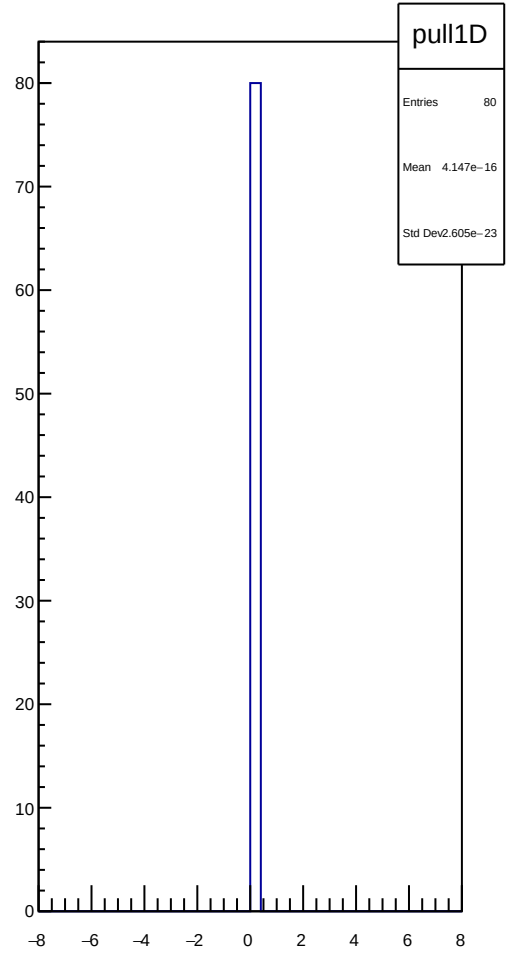

dit_sam4_4aY_slope vs run
χ² / ndf 1.45e−28 / 79
p0 −16.18 ± 1.18
−5
−10
−15
−20
−25
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
1.4
1.2
1
0.8
0.6
0.4
0.2
0

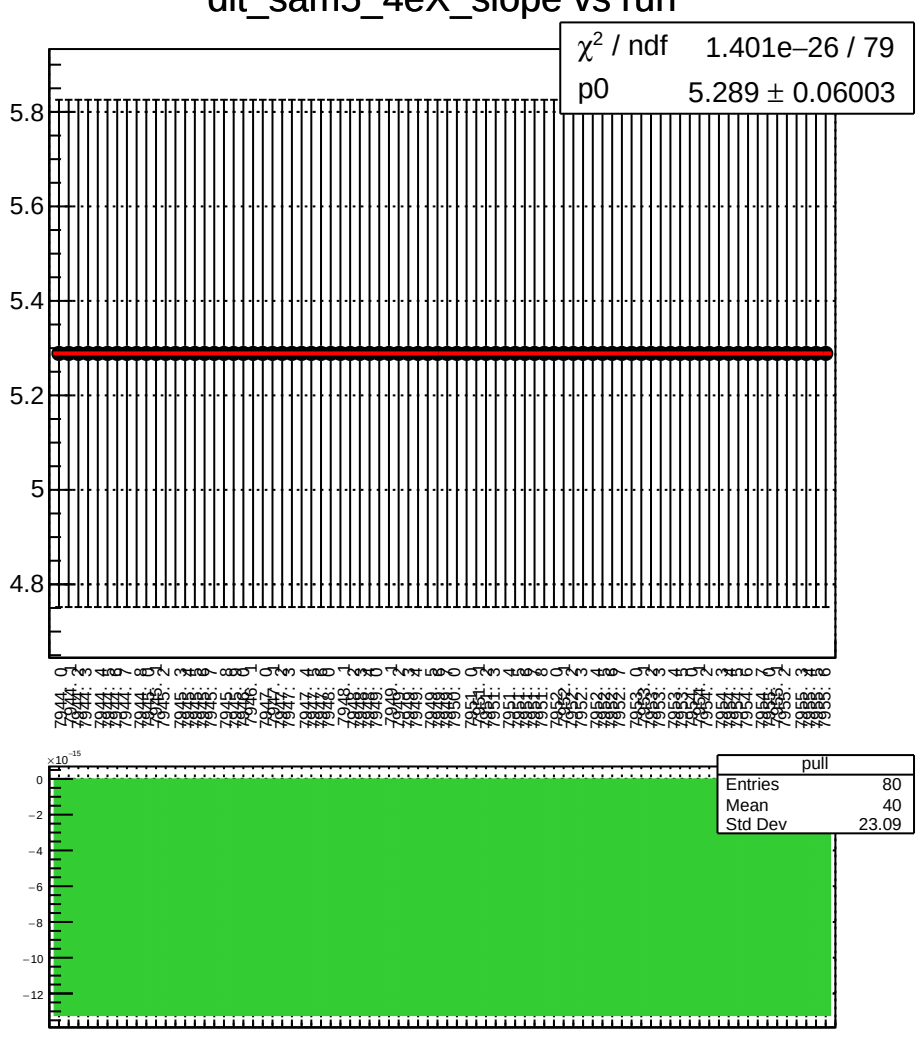

pull1D
Entries 80
Mean 1.346e−15
Std Dev 6.208e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

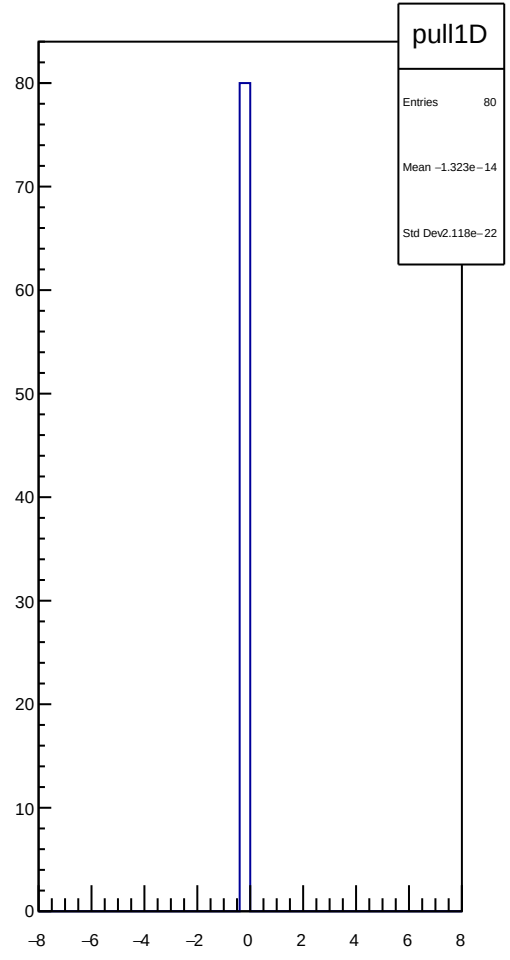

dit_sam4_4eY_slope vs run
χ^2 / ndf 1.653e−25 / 79
p0 274.4 ± 0.9785
pull
Entries 80
Mean 40
Std Dev 23.09

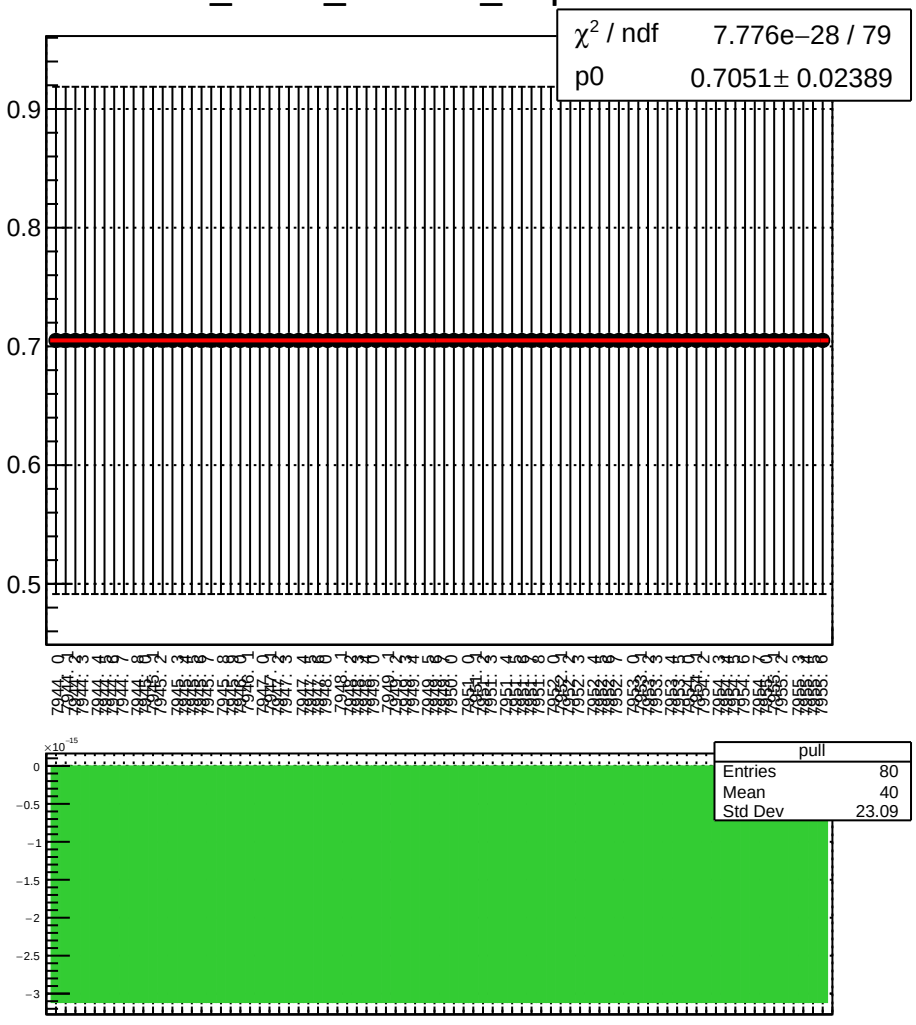

pull1D
Entries 80
Mean −4.546e−14
Std Dev1.797e−21

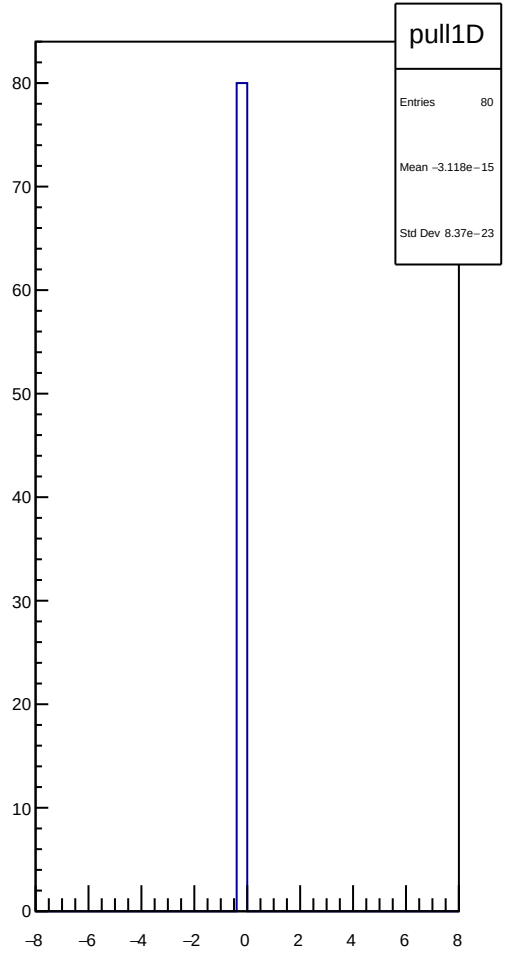

dit_sam5_4aX_slope vs run
χ² / ndf 1.376e−29 / 79
p0 3.81 ± 0.1197
pull
Entries 80
Mean 40
Std Dev 23.09

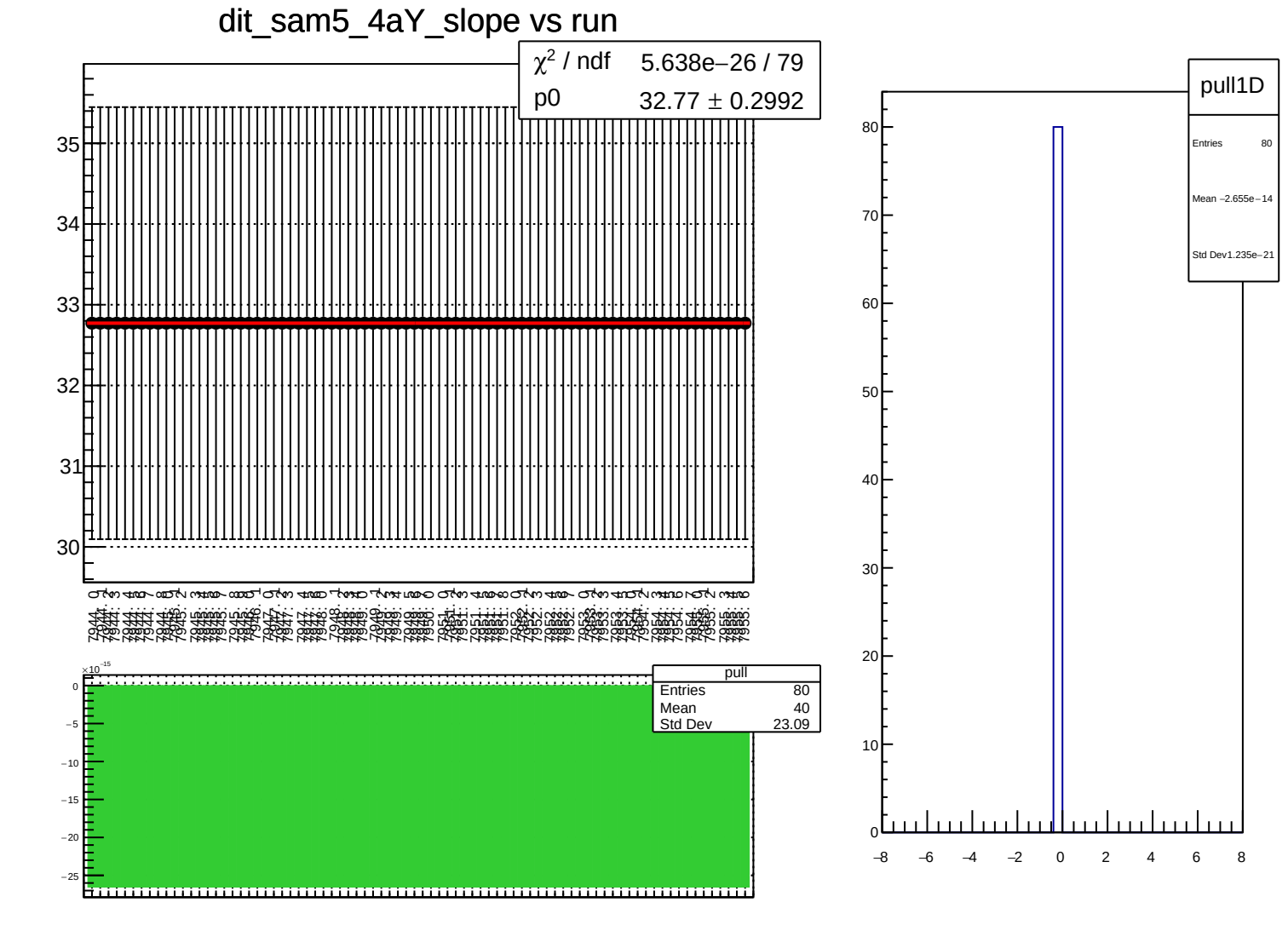

pull1D
Entries 80
Mean 4.147e−16
Std Dev 2.605e−23

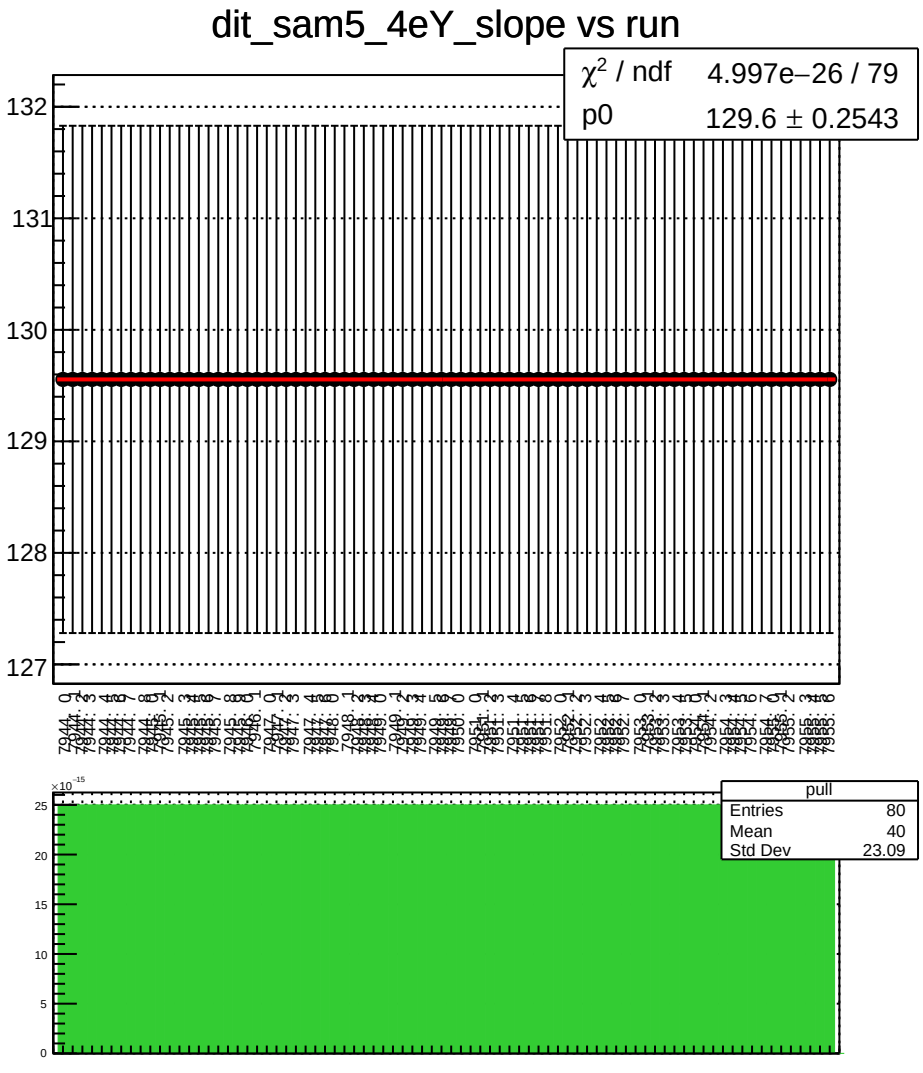

dit_sam5_4eX_slope vs run
χ² / ndf 1.401e−26 / 79
p0 5.289 ± 0.06003
pull
Entries 80
Mean 40
Std Dev 23.09

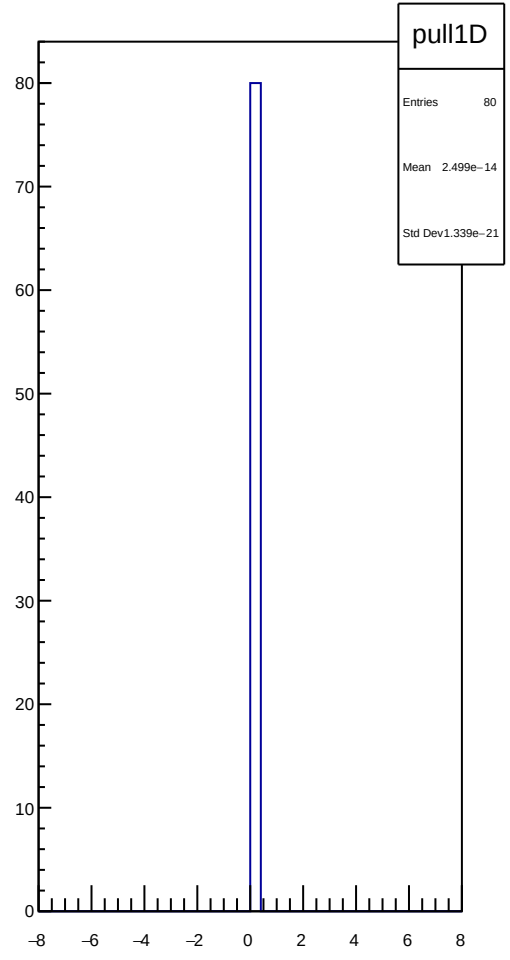

pull1D
Entries 80
Mean −1.323e−14
Std Dev2.118e−22

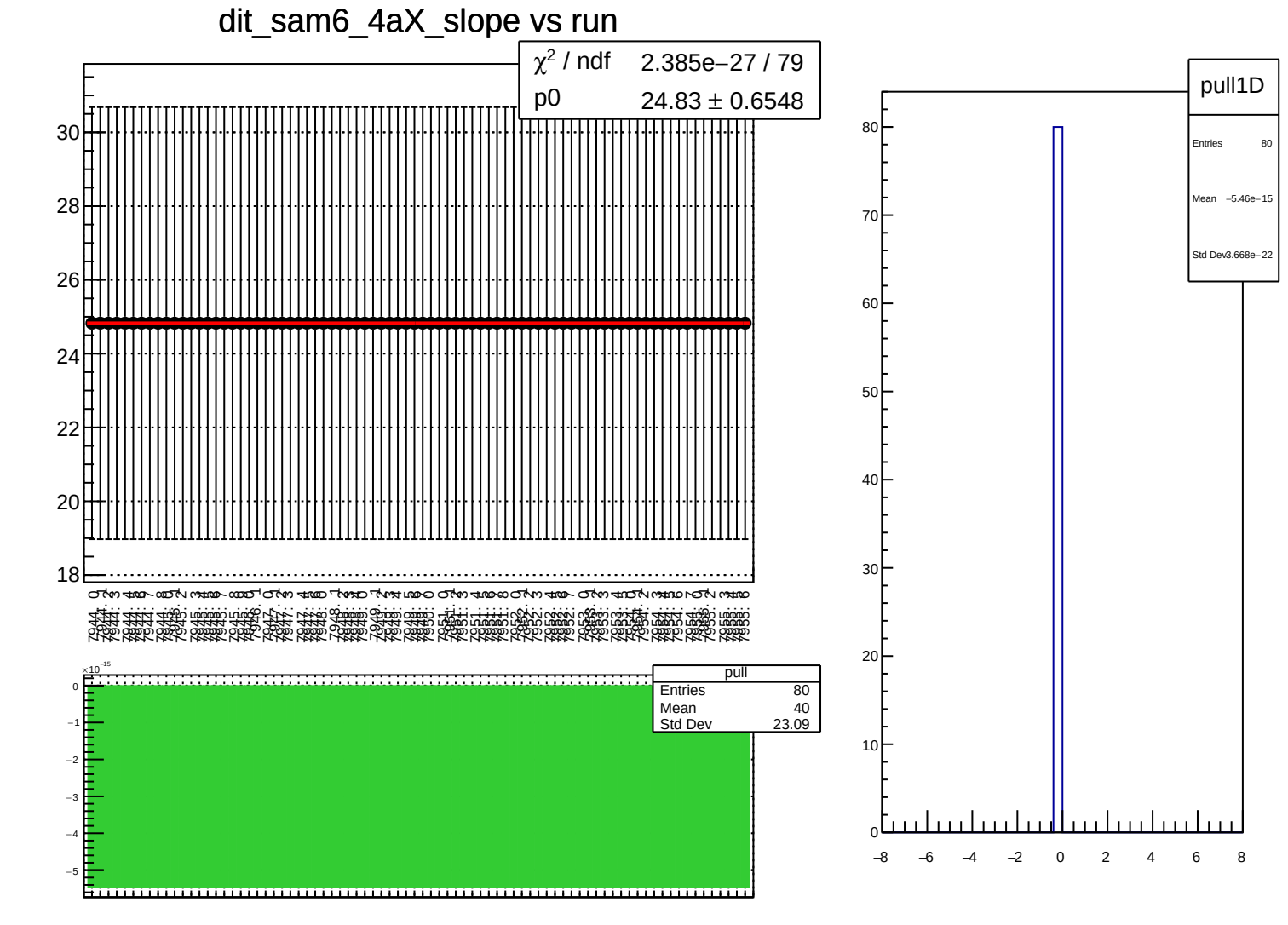

dit_sam5_11X12X_slope vs run
χ² / ndf 7.776e−28 / 79
p0 0.7051± 0.02389
0.9
0.8
0.7
0.6
0.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3

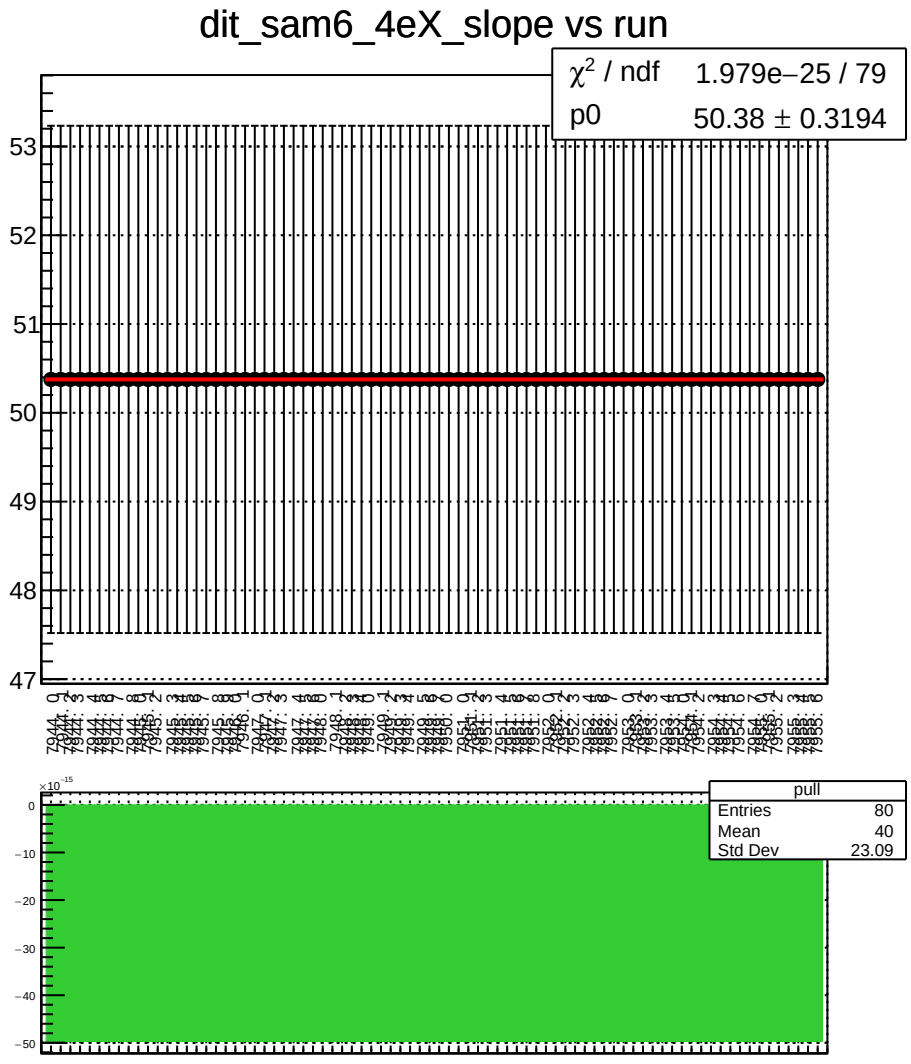

pull1D
Entries 80
Mean −3.118e−15
Std Dev 8.37e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

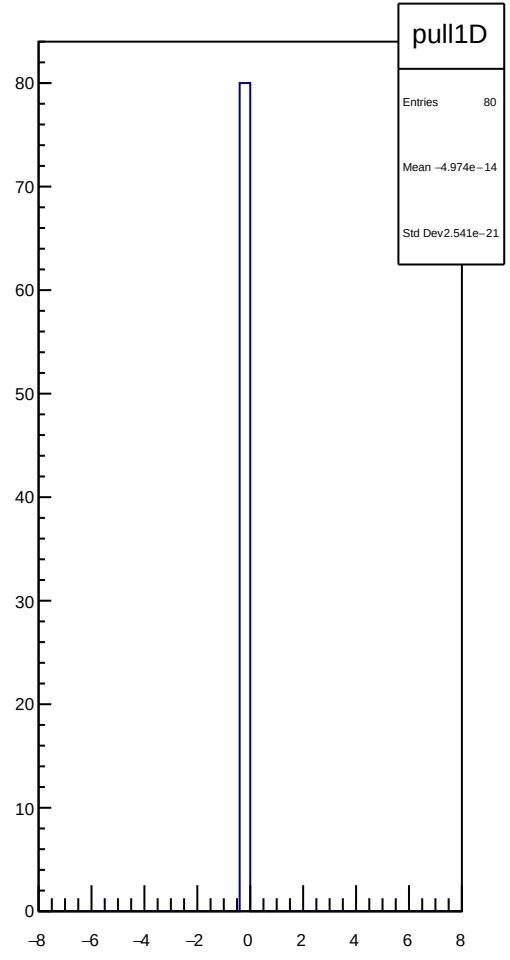

dit_sam5_4aY_slope vs run
χ² / ndf 5.638e−26 / 79
p0 32.77 ± 0.2992
35
34
33
32
31
30
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 80
Mean −2.655e−14
Std Dev1.235e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

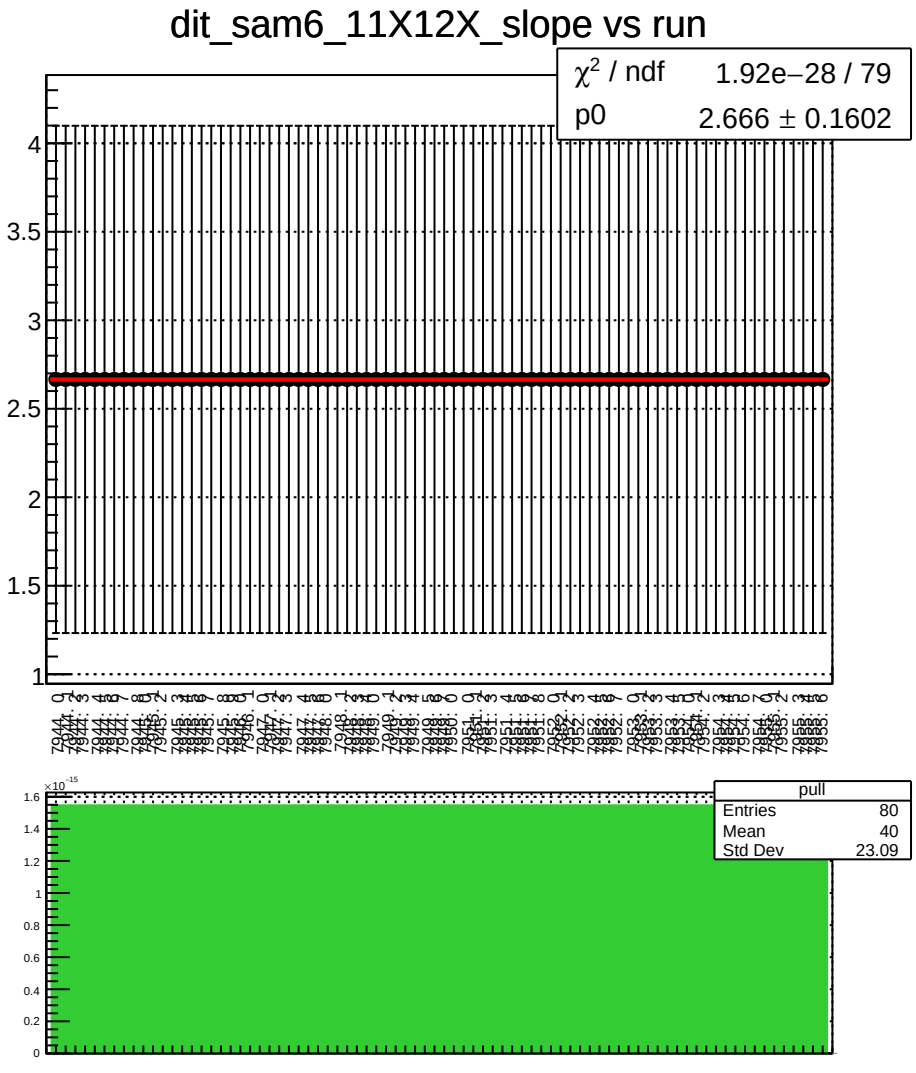

dit_sam5_4eY_slope vs run
χ² / ndf 4.997e−26 / 79
p0 129.6 ± 0.2543
pull
Entries 80
Mean 40
Std Dev 23.09

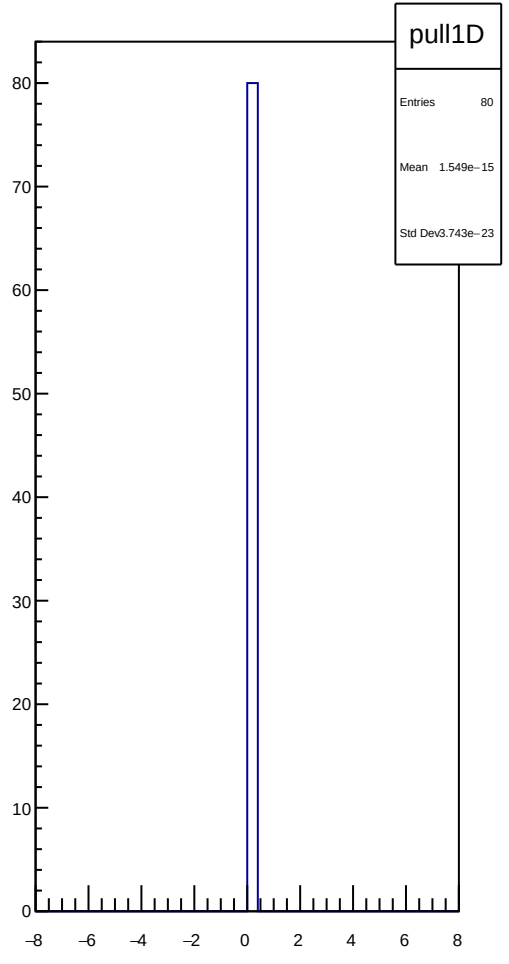

pull1D
Entries 80
Mean 2.499e−14
Std Dev1.339e−21

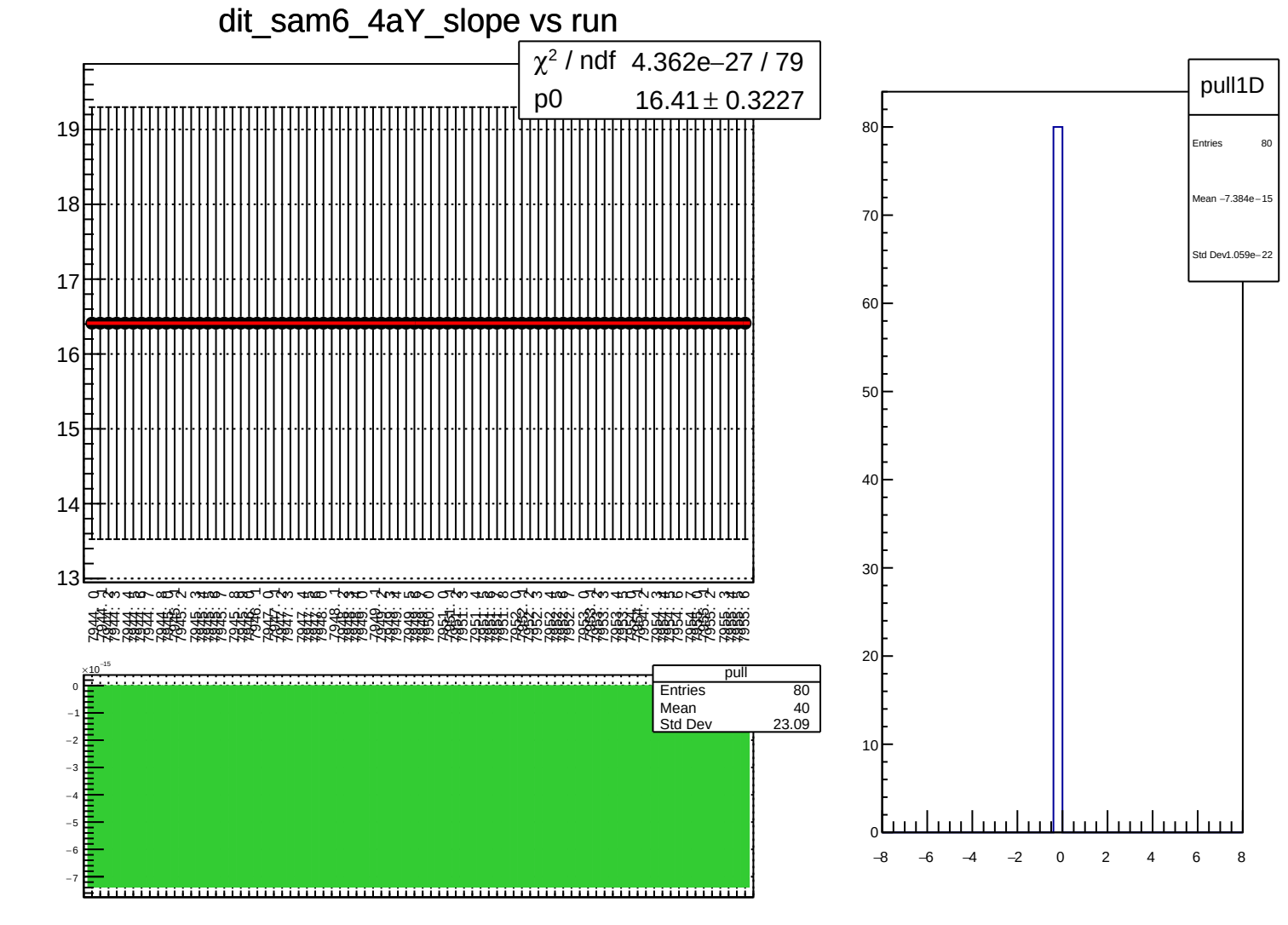

dit_sam6_4aX_slope vs run
χ² / ndf 2.385e−27 / 79
p0 24.83 ± 0.6548
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.46e−15
Std Dev3.668e−22

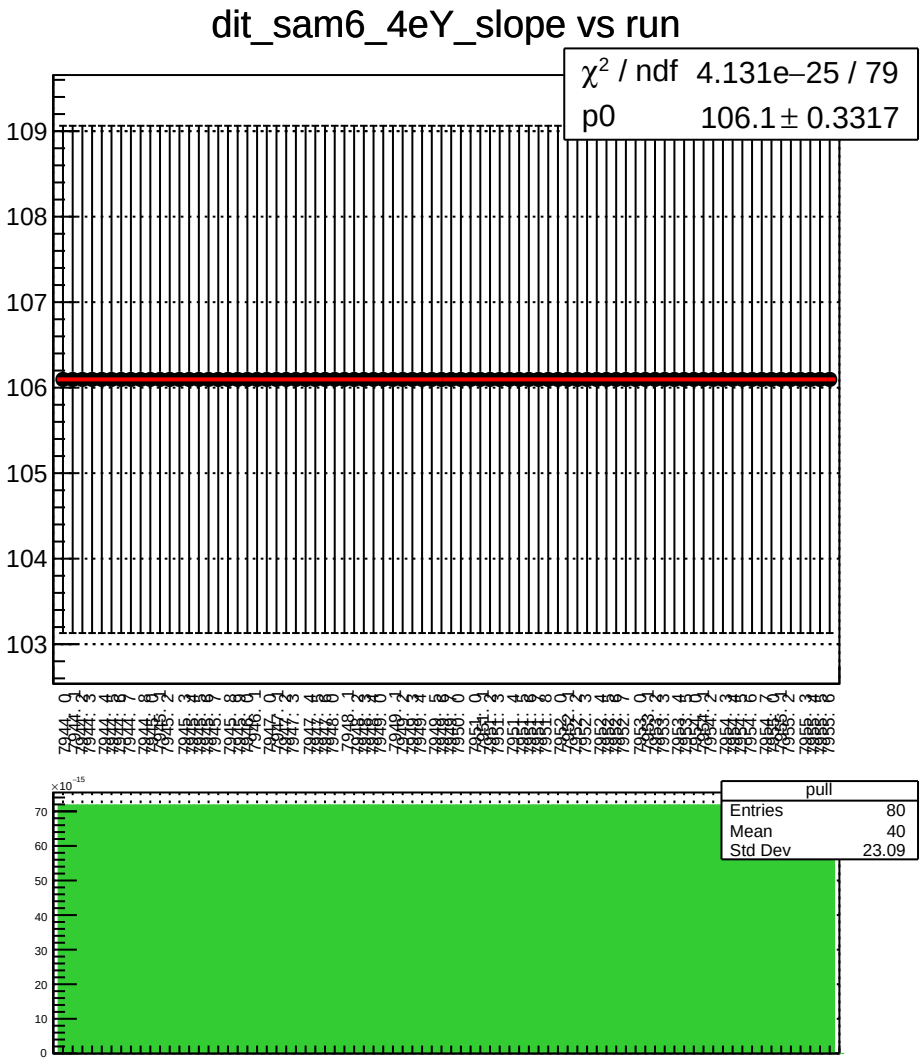

dit_sam6_4eX_slope vs run
χ^2 / ndf 1.979e−25 / 79
p0 50.38 ± 0.3194
pull
Entries 80
Mean 40
Std Dev 23.09

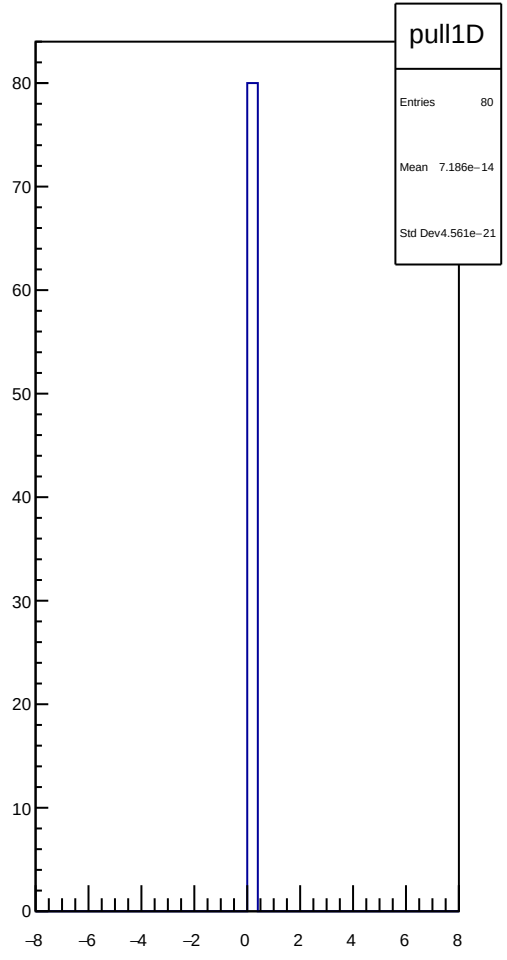

pull1D
Entries 80
Mean −4.974e−14
Std Dev2.541e−21

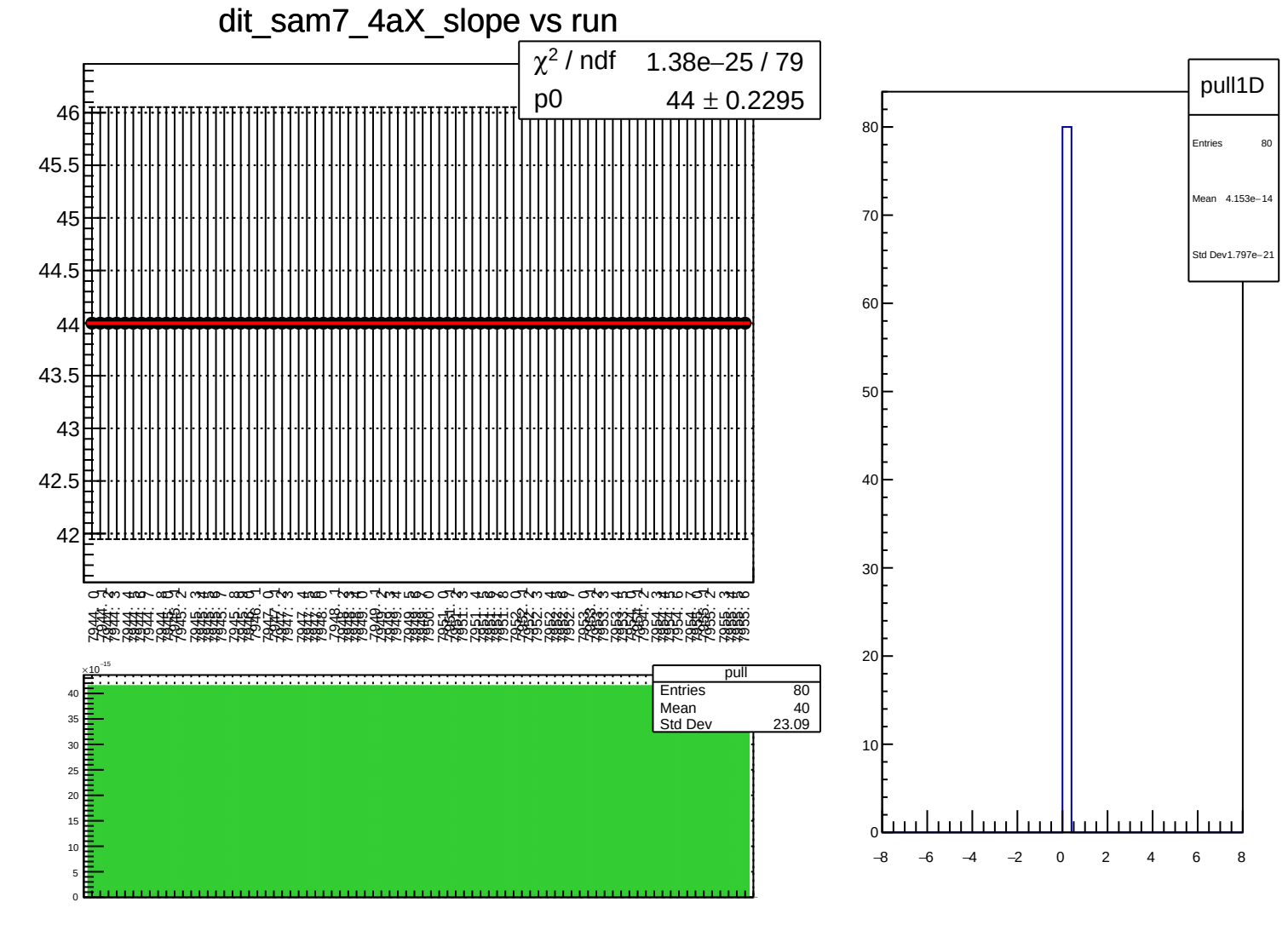

dit_sam6_11X12X_slope vs run
χ² / ndf 1.92e−28 / 79
p0 2.666 ± 0.1602
pull
Entries 80
Mean 40
Std Dev 23.09

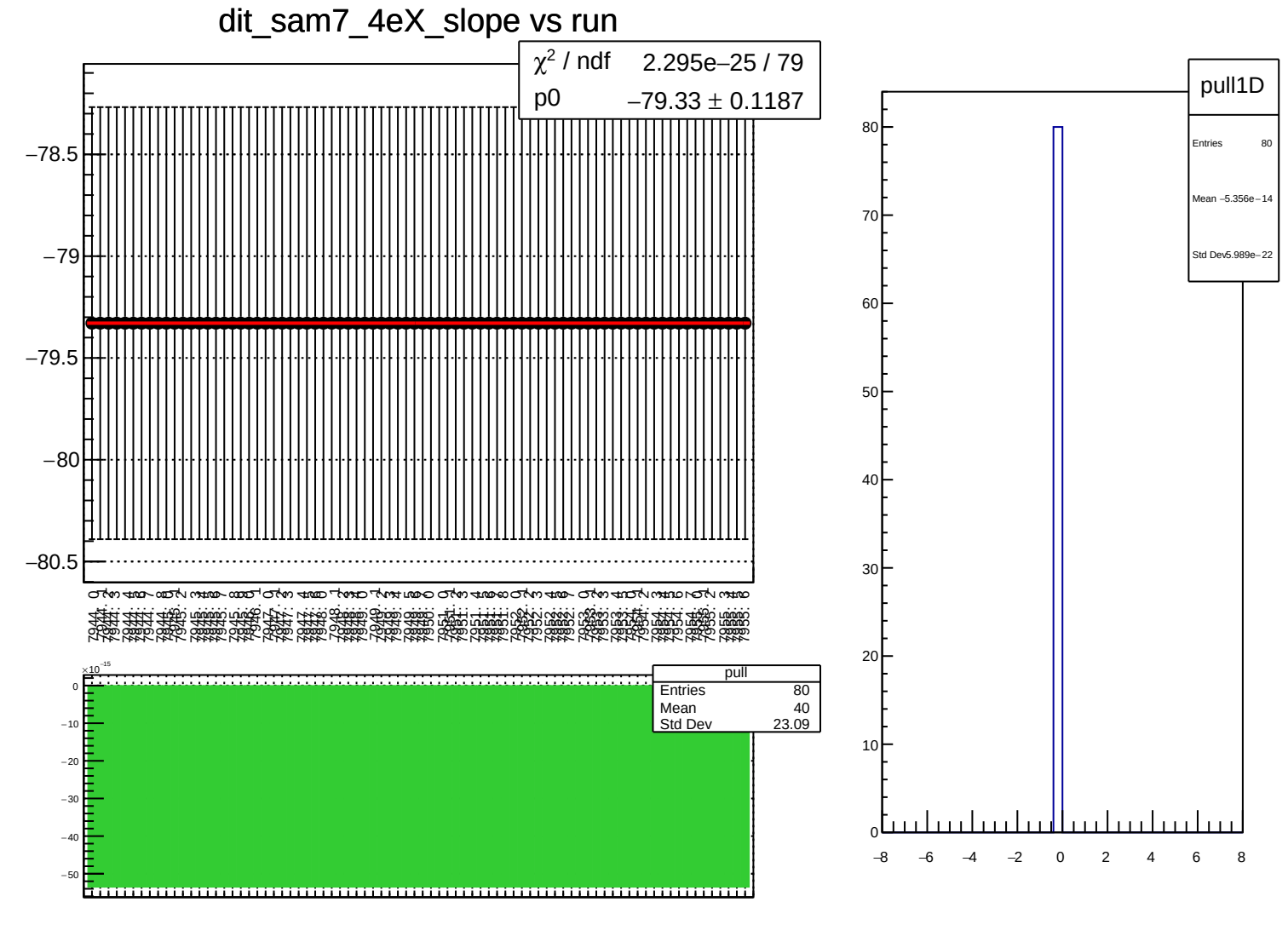

pull1D
Entries 80
Mean 1.549e−15
Std Dev 3.743e−23

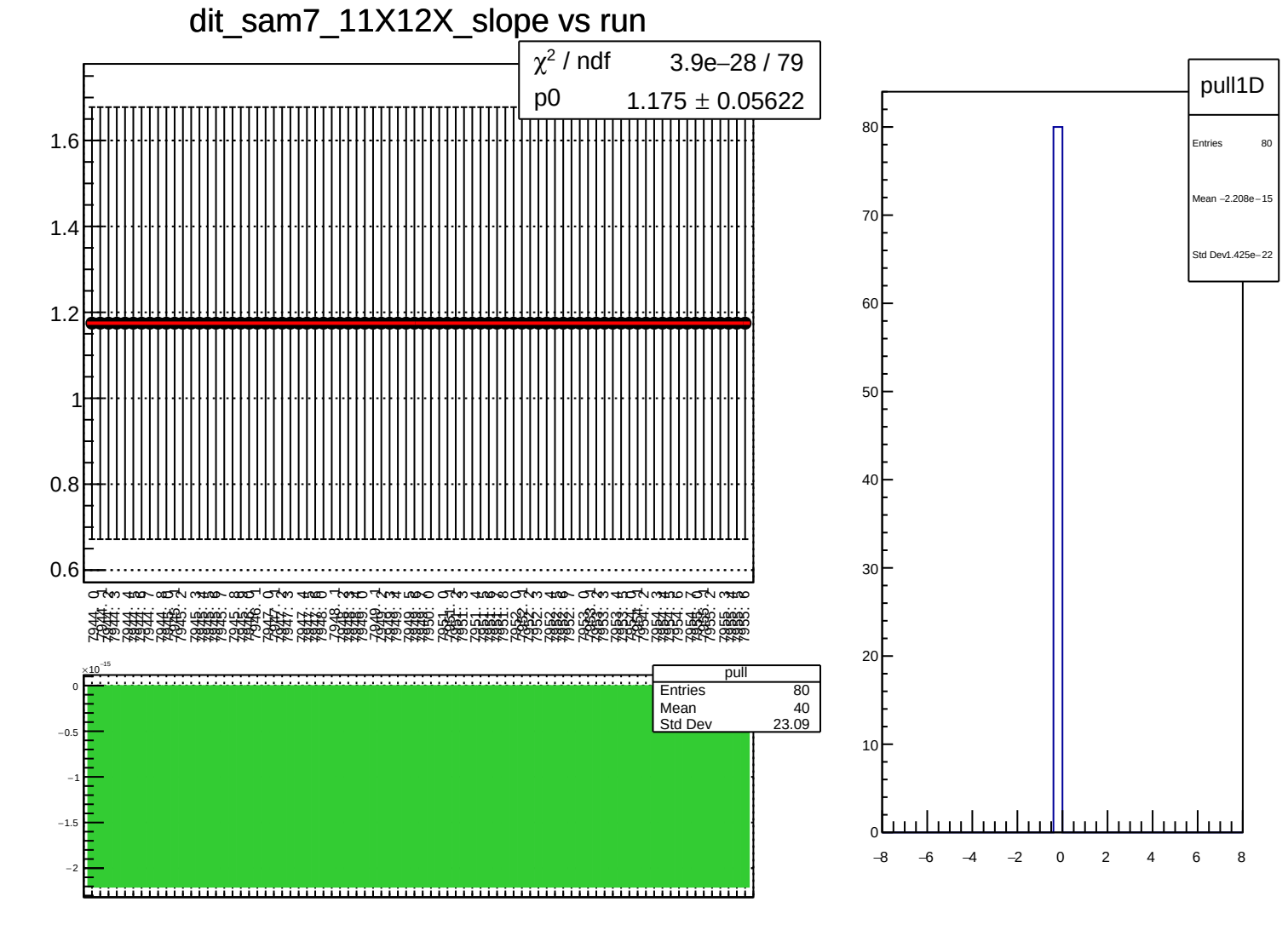

dit_sam6_4aY_slope vs run
χ² / ndf 4.362e−27 / 79
p0 16.41 ± 0.3227
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −7.384e−15
Std Dev1.059e−22

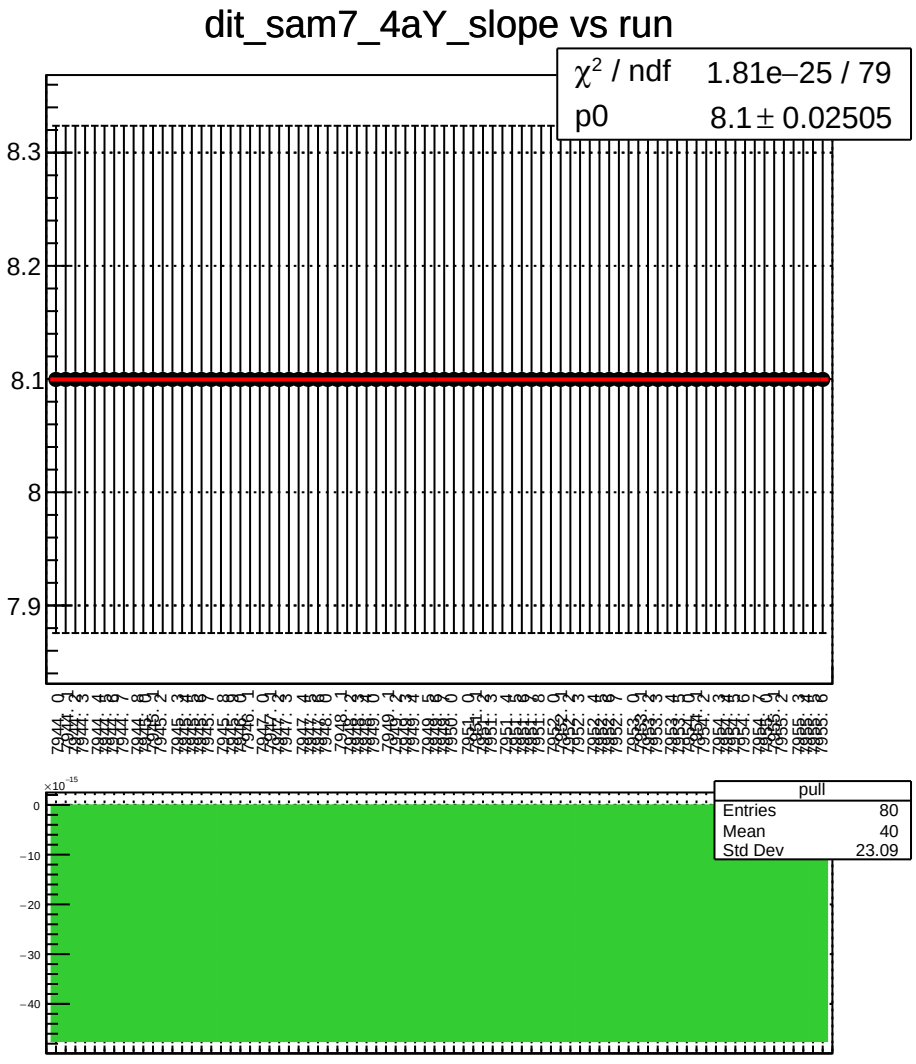

dit_sam6_4eY_slope vs run
χ² / ndf 4.131e−25 / 79
p0 106.1 ± 0.3317
109
108
107
106
105
104
103
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
70
60
50
40
30
20
10
0

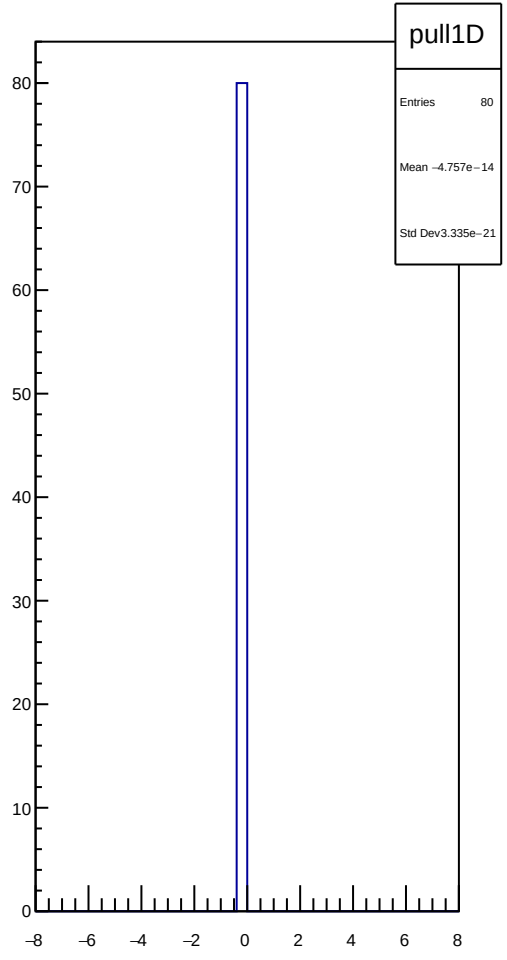

pull1D
Entries 80
Mean 7.186e−14
Std Dev4.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

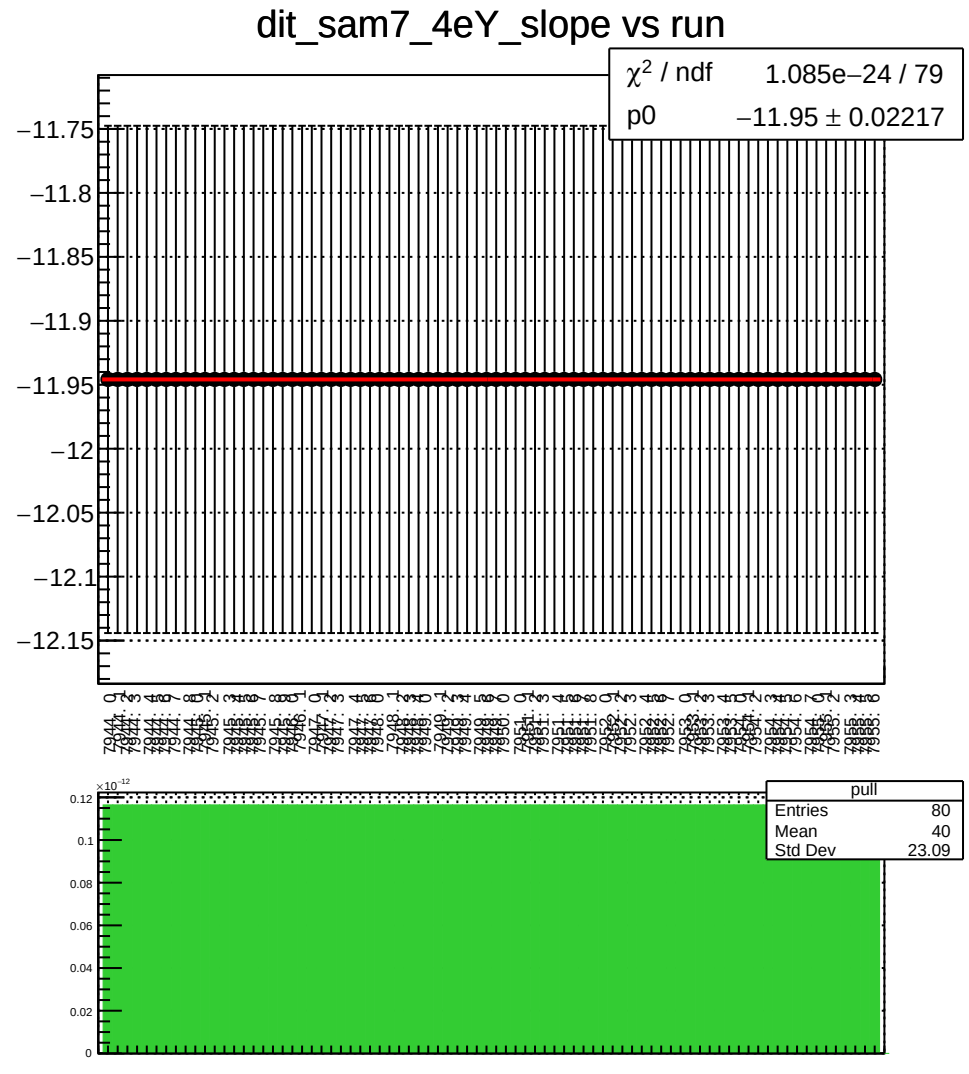

dit_sam7_4aX_slope vs run
χ² / ndf 1.38e−25 / 79
p0 44 ± 0.2295
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 4.153e−14
Std Dev1.797e−21

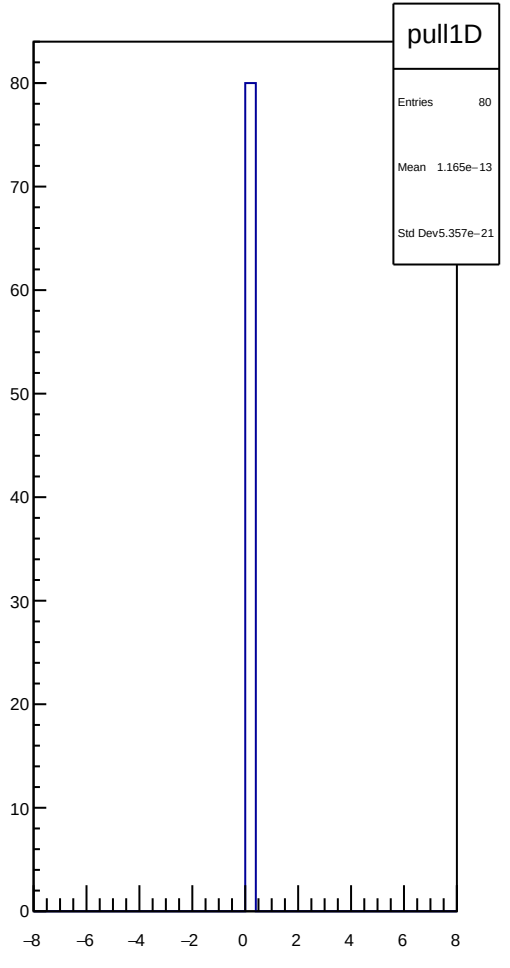

dit_sam7_4eX_slope vs run
χ² / ndf 2.295e−25 / 79
p0 −79.33 ± 0.1187
−78.5
−79
−79.5
−80
−80.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 80
Mean −5.356e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

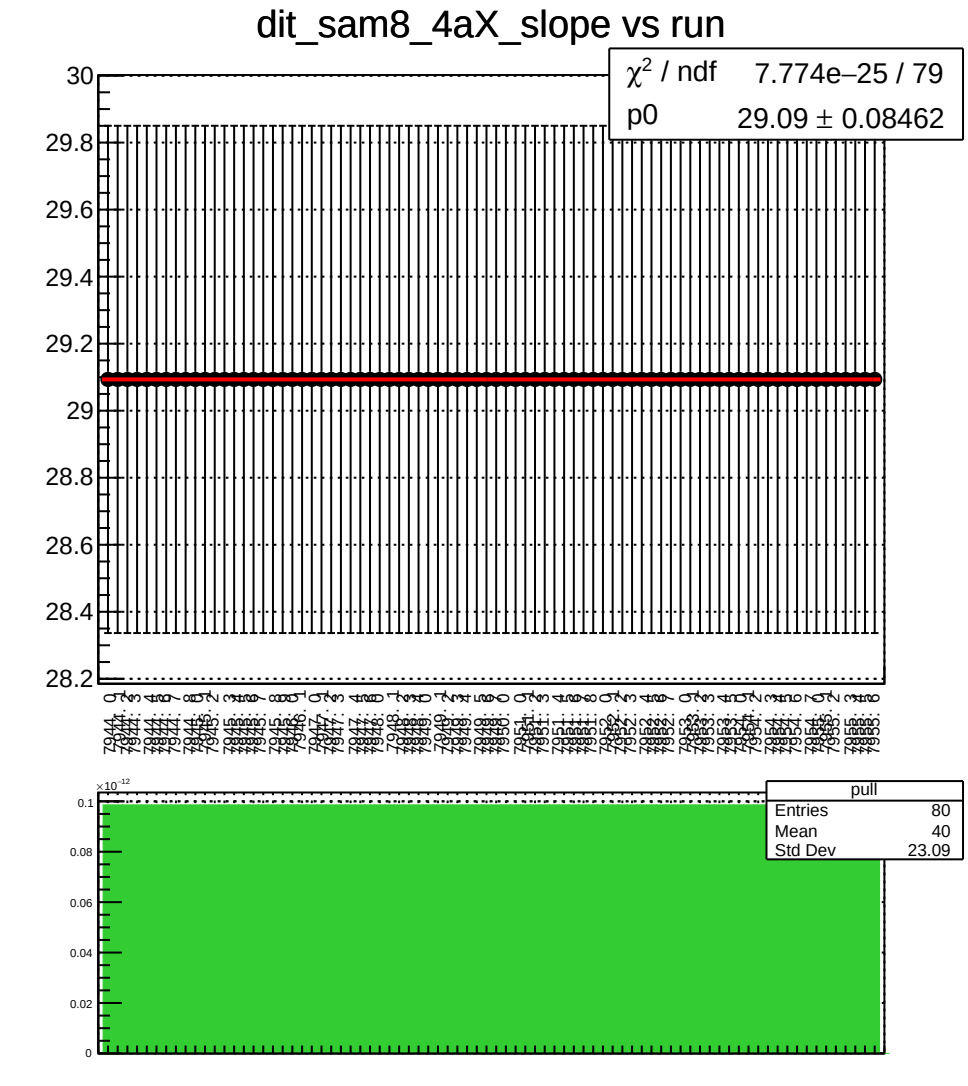

dit_sam7_11X12X_slope vs run
χ² / ndf 3.9e−28 / 79
p0 1.175 ± 0.05622
1.6
1.4
1.2
1
0.8
0.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean −2.208e−15
Std Dev1.425e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

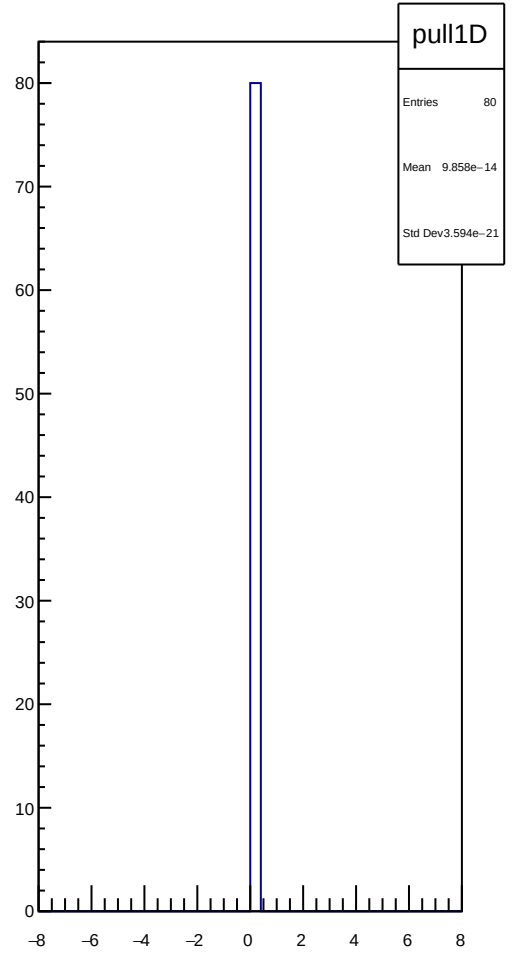

dit_sam7_4aY_slope vs run
χ² / ndf 1.81e−25 / 79
p0 8.1 ± 0.02505
8.3
8.2
8.1
8
7.9
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40

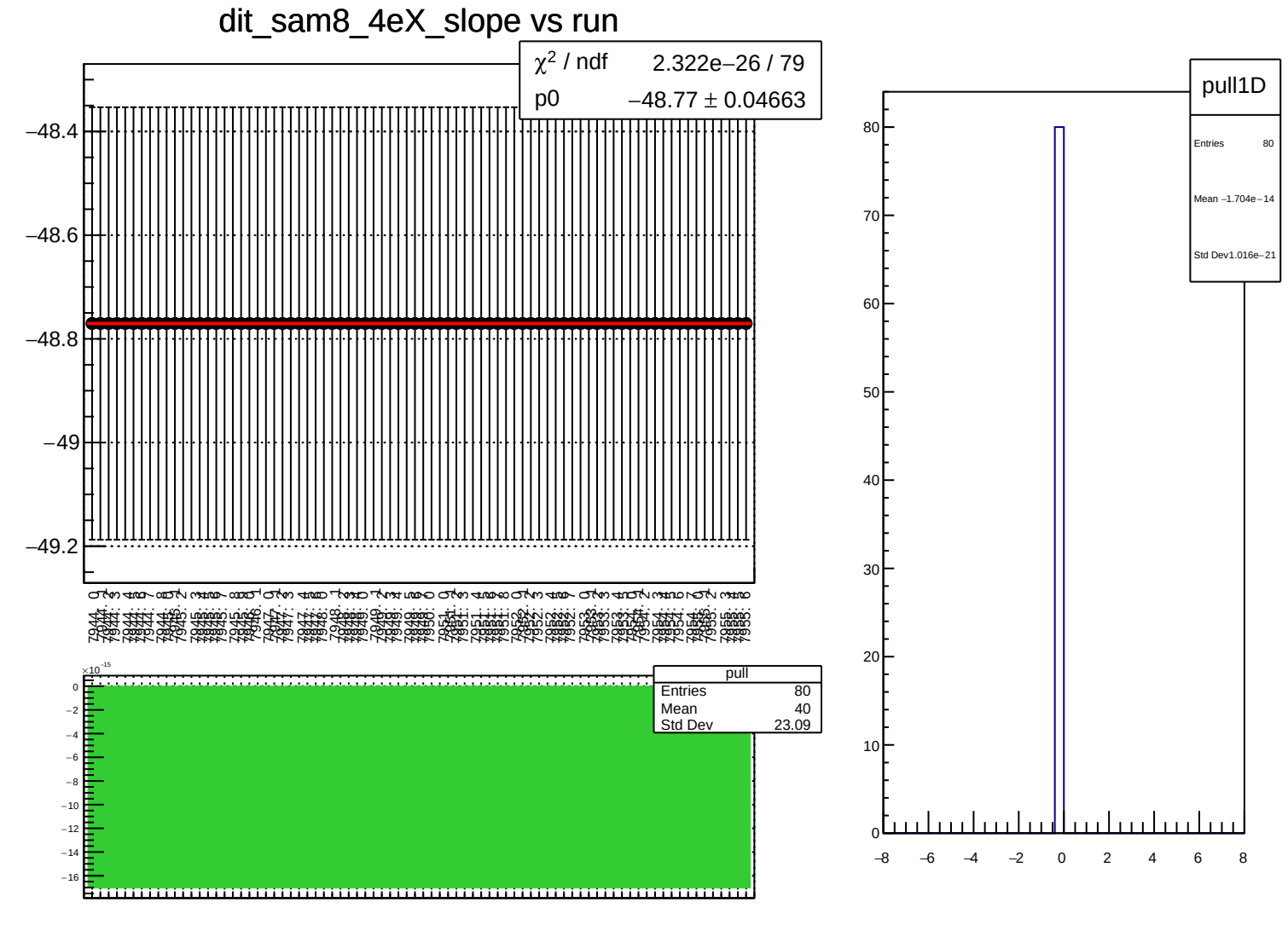

pull1D
Entries 80
Mean −4.757e−14
Std Dev3.335e−21
80
70
60
50
40
30
20
10
0
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−6
−4
−2
0
2
4
6
8

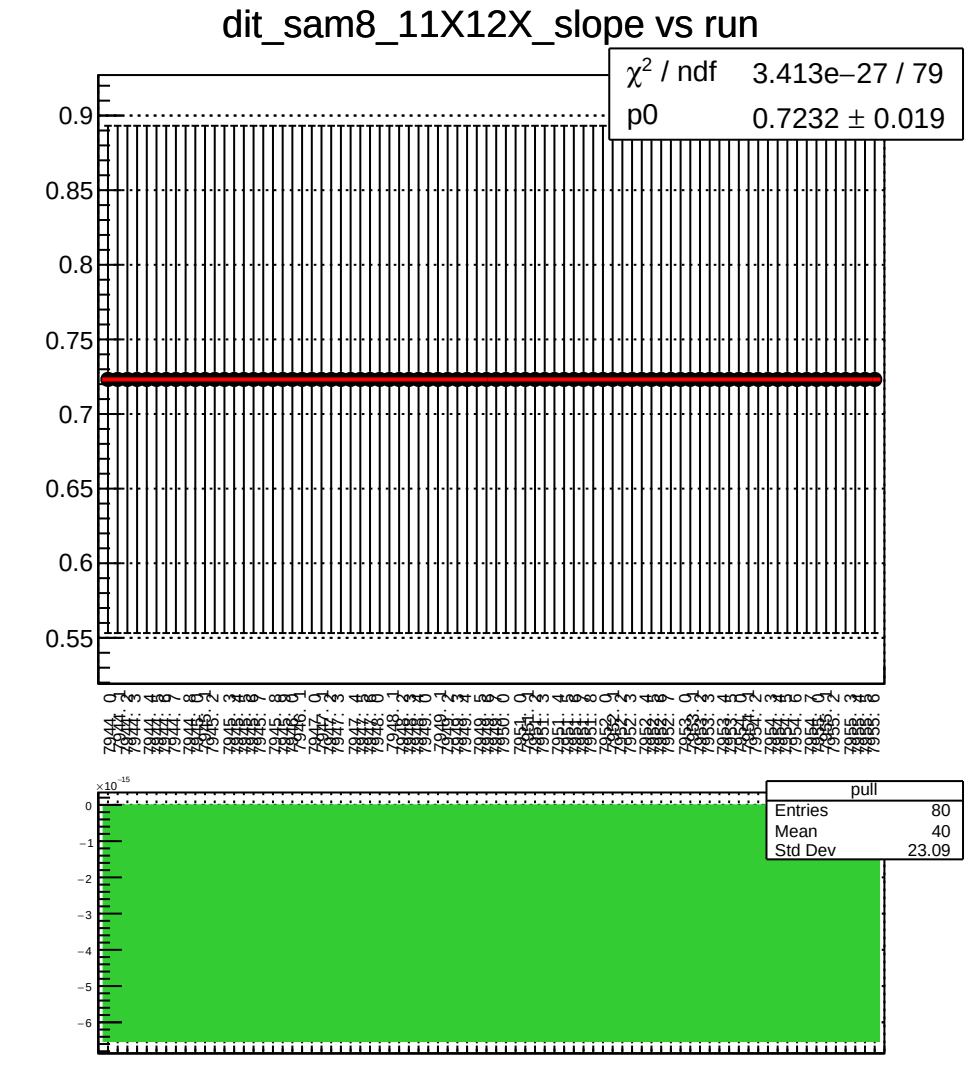

dit_sam7_4eY_slope vs run
χ² / ndf 1.085e−24 / 79
p0 −11.95 ± 0.02217
−11.75
−11.8
−11.85
−11.9
−11.95
−12
−12.05
−12.1
−12.15
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

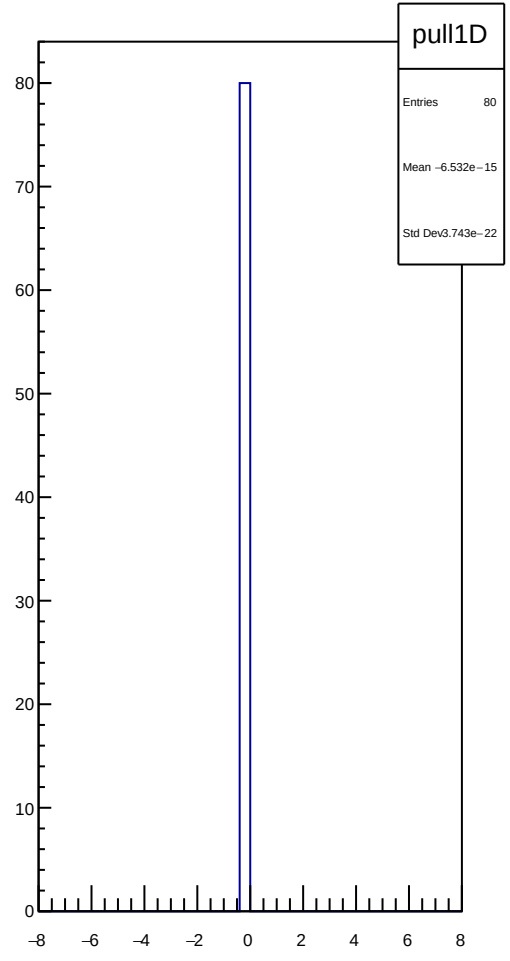

pull1D
Entries 80
Mean 1.165e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

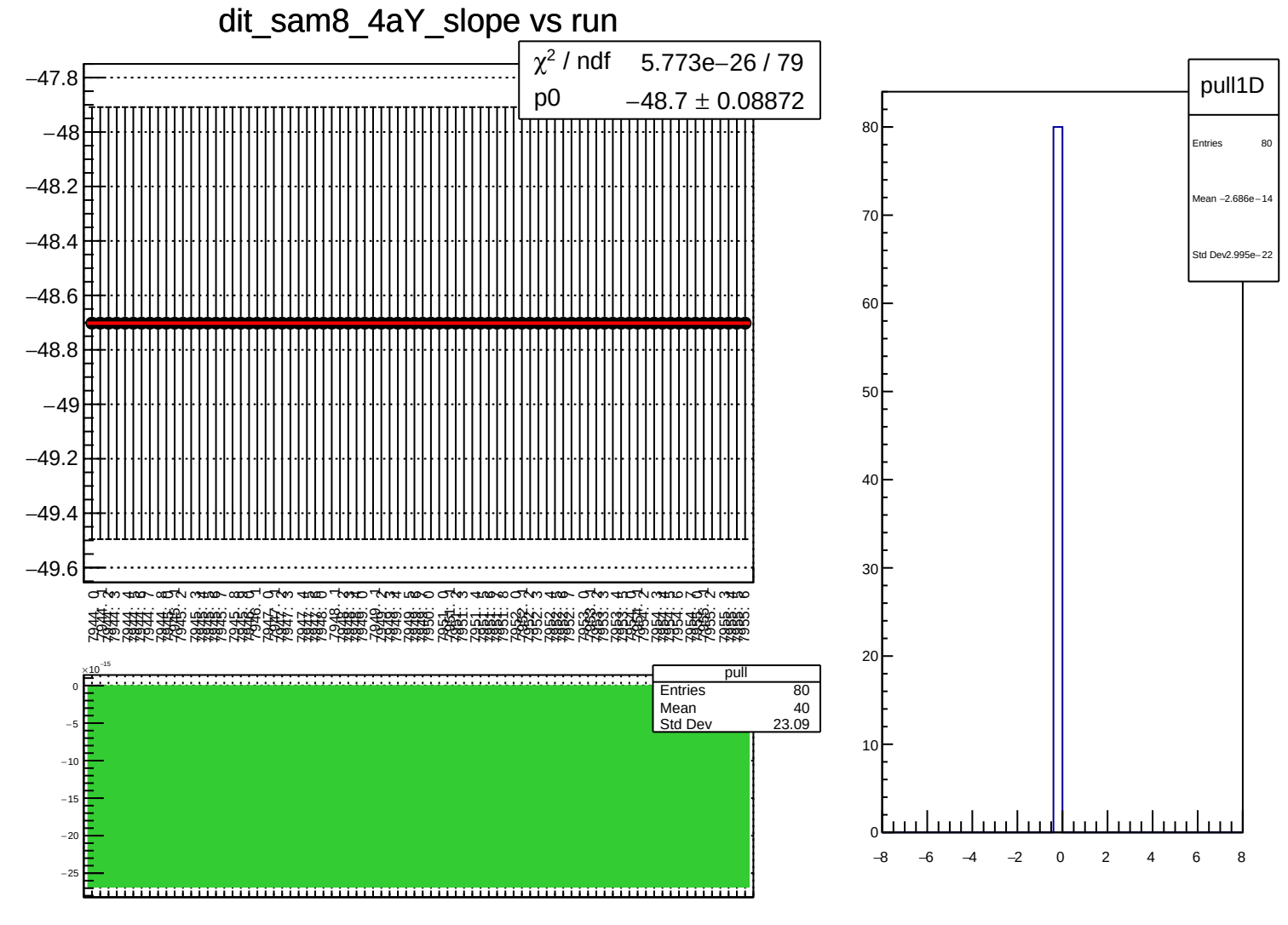

dit_sam8_4aX_slope vs run
χ² / ndf 7.774e−25 / 79
p0 29.09 ± 0.08462
30
29.8
29.6
29.4
29.2
29
28.8
28.6
28.4
28.2
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 80
Mean 40
Std Dev 23.09

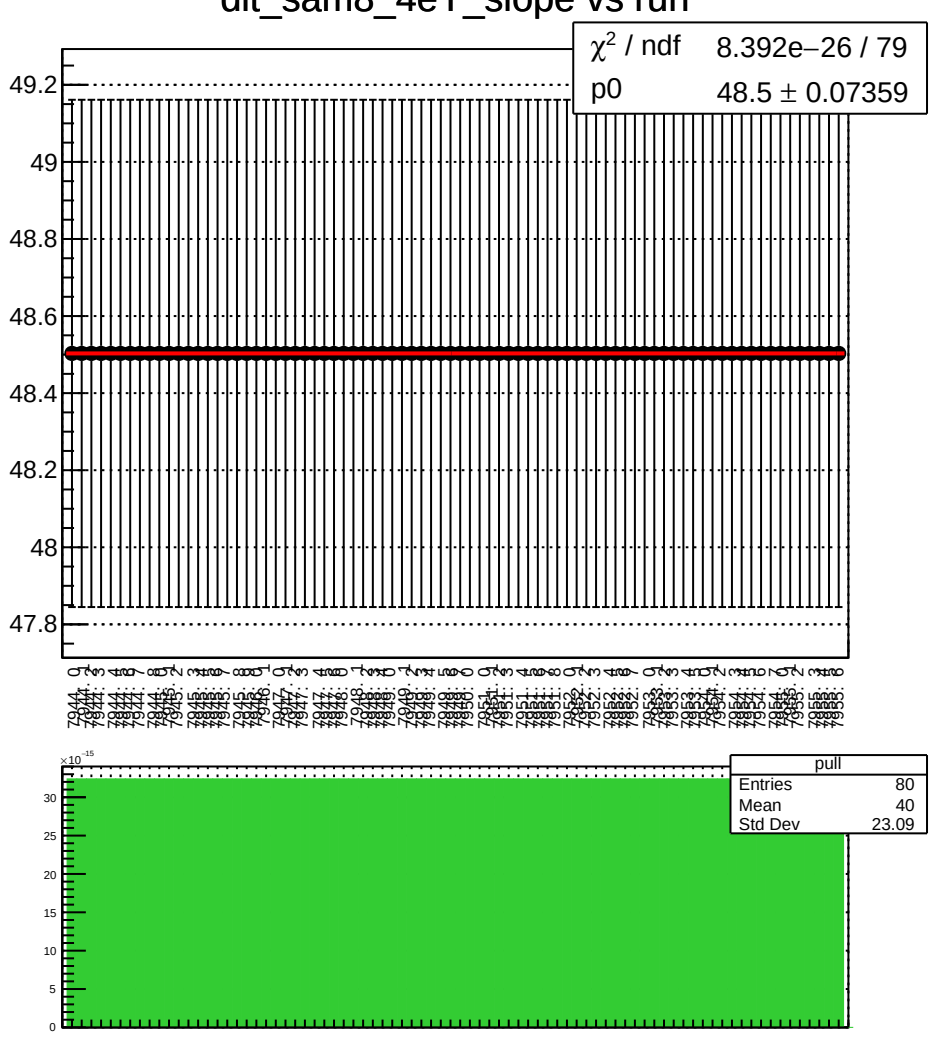

pull1D
Entries 80
Mean 9.858e−14
Std Dev3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

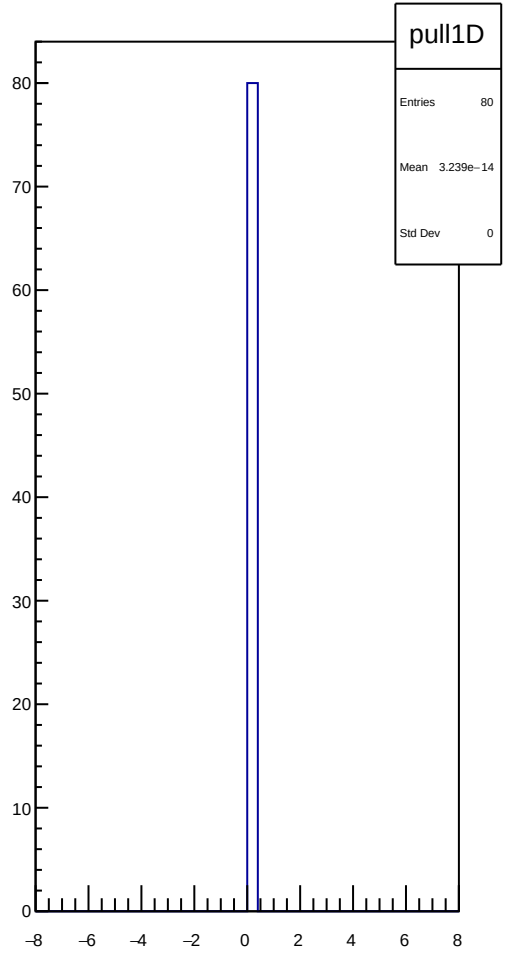

dit_sam8_4eX_slope vs run
χ² / ndf 2.322e−26 / 79
p0 −48.77 ± 0.04663
−48.4
−48.6
−48.8
−49
−49.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean −1.704e−14
Std Dev1.016e−21

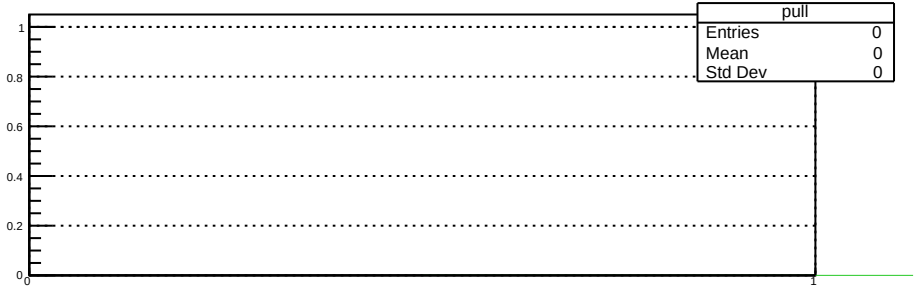

dit_sam8_11X12X_slope vs run
χ² / ndf 3.413e−27 / 79
p0 0.7232 ± 0.019
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵

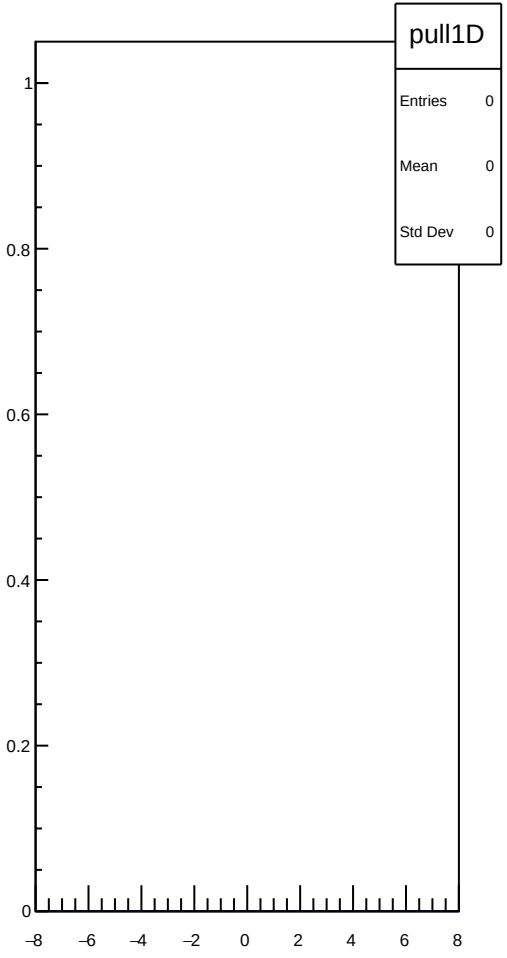

pull1D
Entries 80
Mean −6.532e−15
Std Dev 3.743e−22

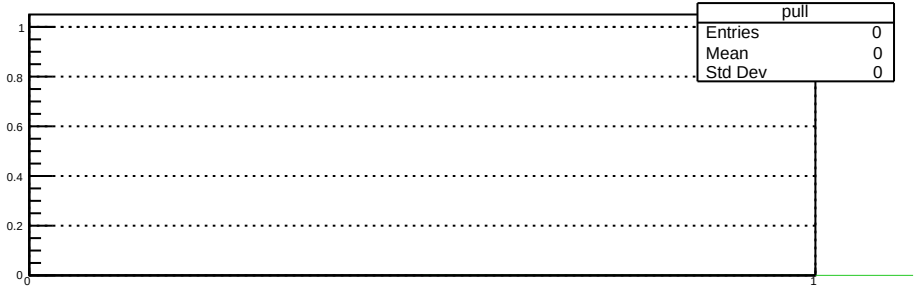

dit_sam8_4aY_slope vs run
χ² / ndf 5.773e−26 / 79
p0 −48.7 ± 0.08872
−47.8
−48
−48.2
−48.4
−48.6
−48.8
−49
−49.2
−49.4
−49.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 80
Mean −2.686e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

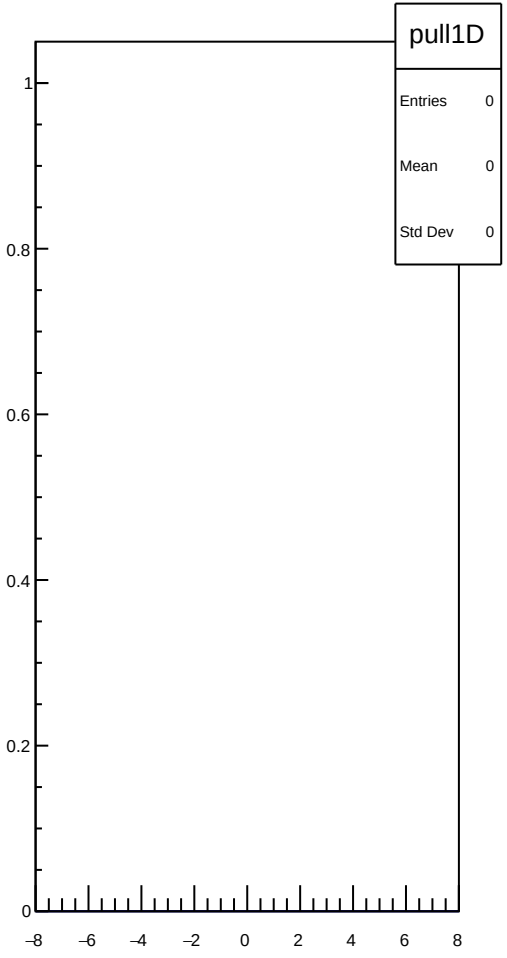

dit_sam8_4eY_slope vs run
χ^2 / ndf 8.392e−26 / 79
p0 48.5 ± 0.07359
49.2
49
48.8
48.6
48.4
48.2
48
47.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
30
25
20
15
10
5
0

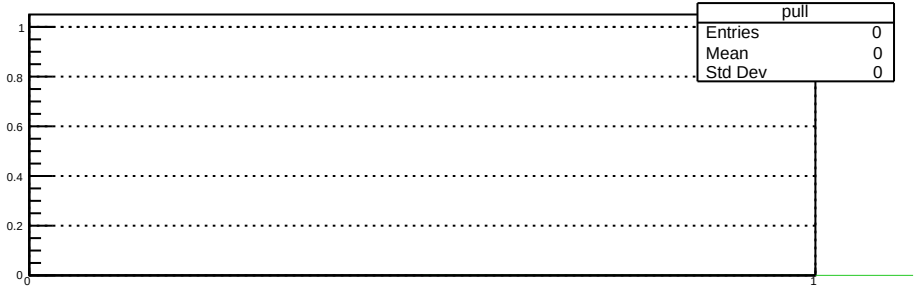

pull1D
Entries 80
Mean 3.239e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
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−4
−2
0
2
4
6
8

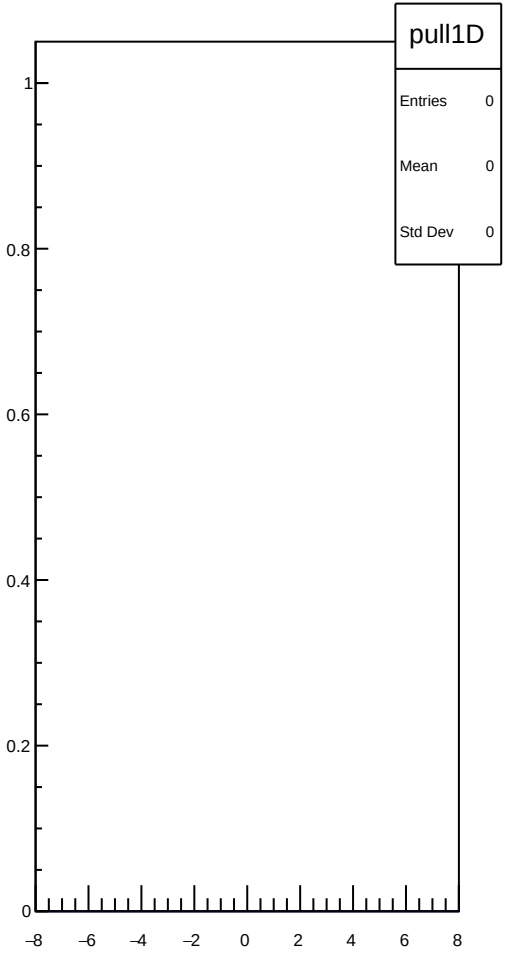

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

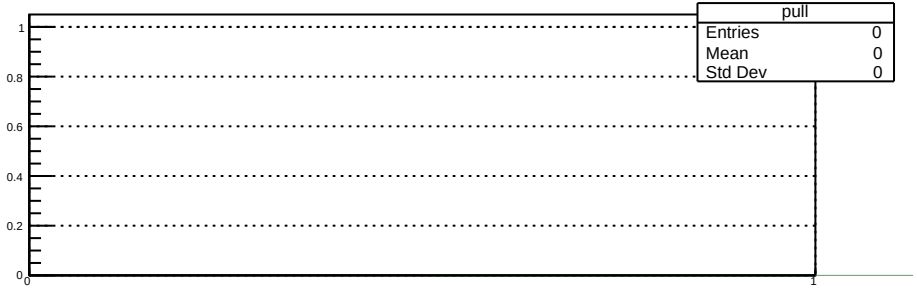

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
–4
–2
0
2
4
6
8

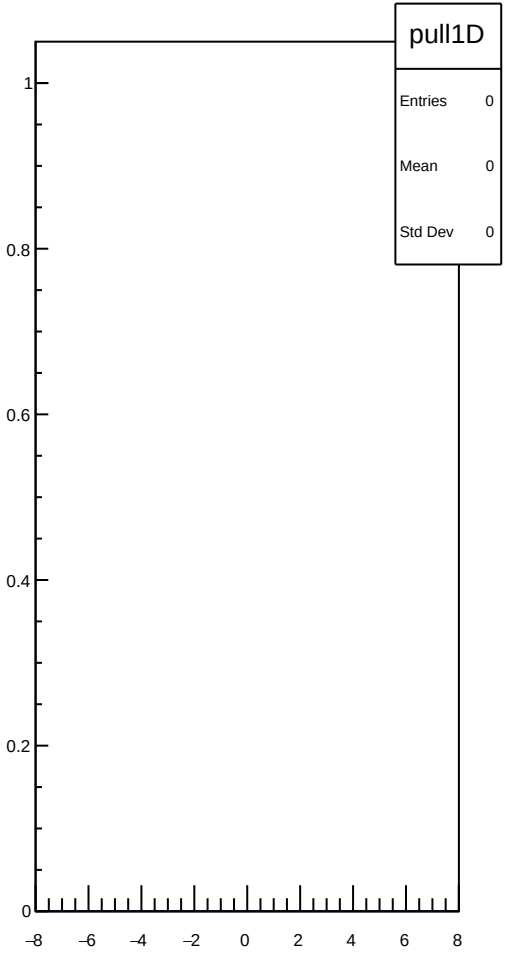

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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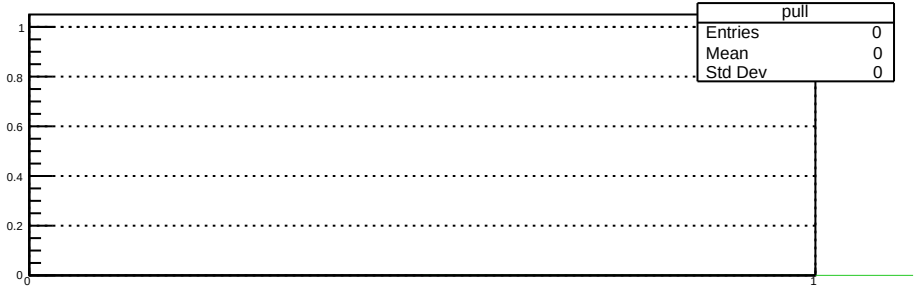

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–4
–2
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2
4
6
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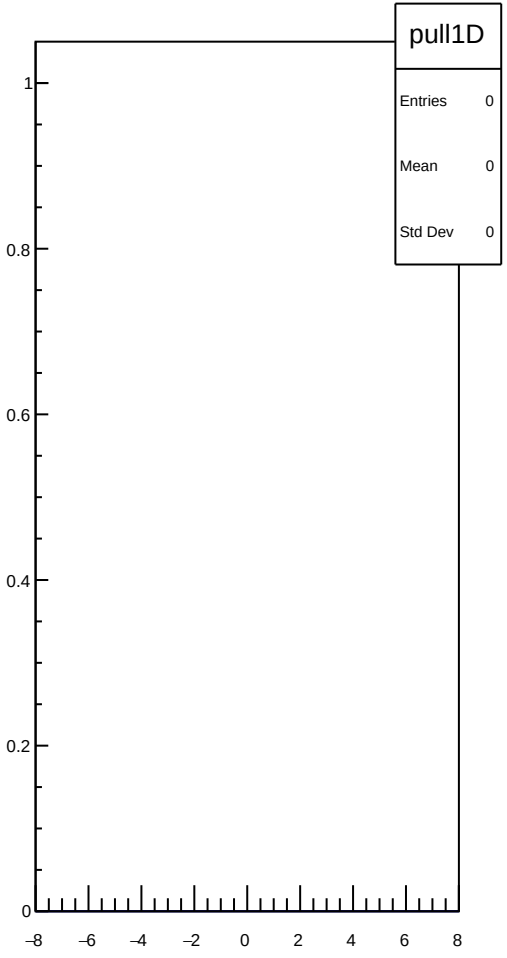

pull
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Mean 0
Std Dev 0
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0.6
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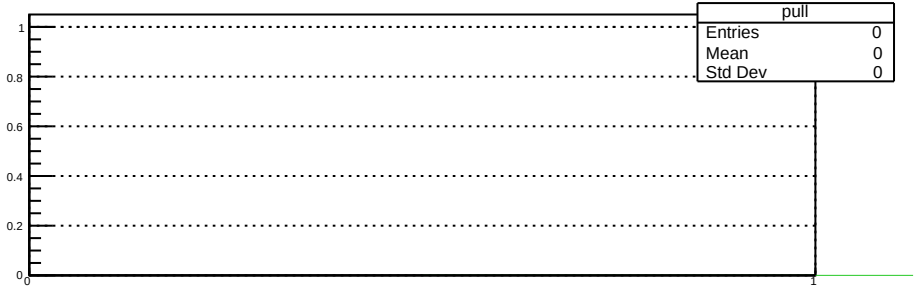

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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2
4
6
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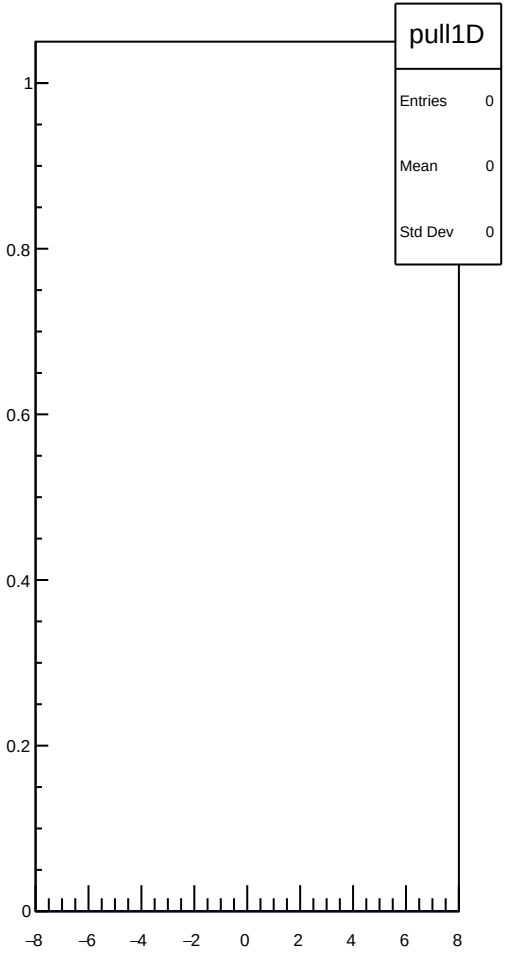

pull
Entries 0
Mean 0
Std Dev 0
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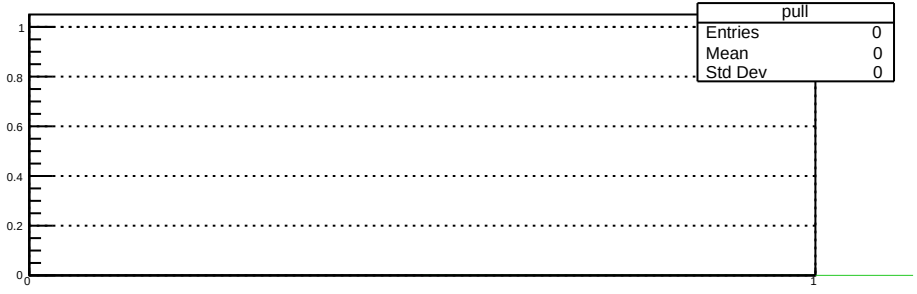

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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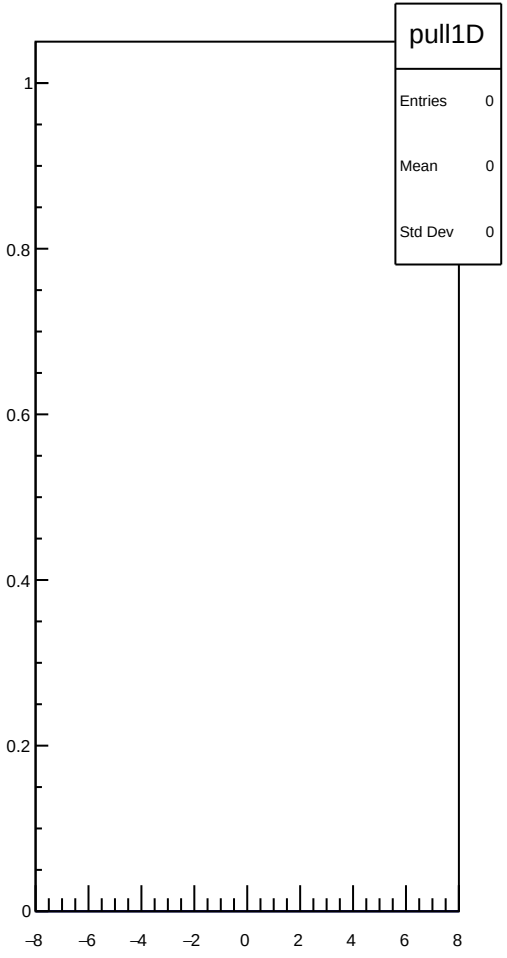

pull
Entries 0
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Std Dev 0
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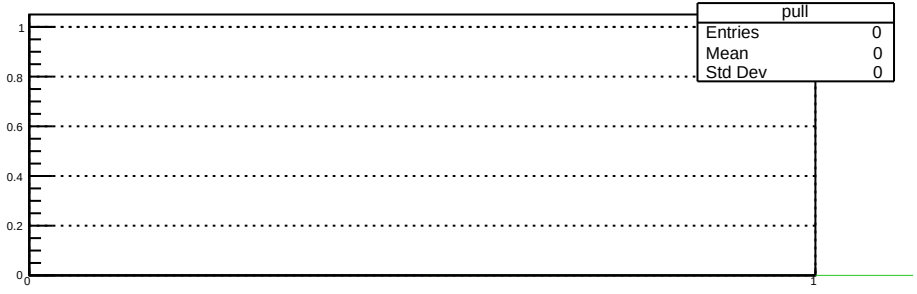

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
0
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–4
–2
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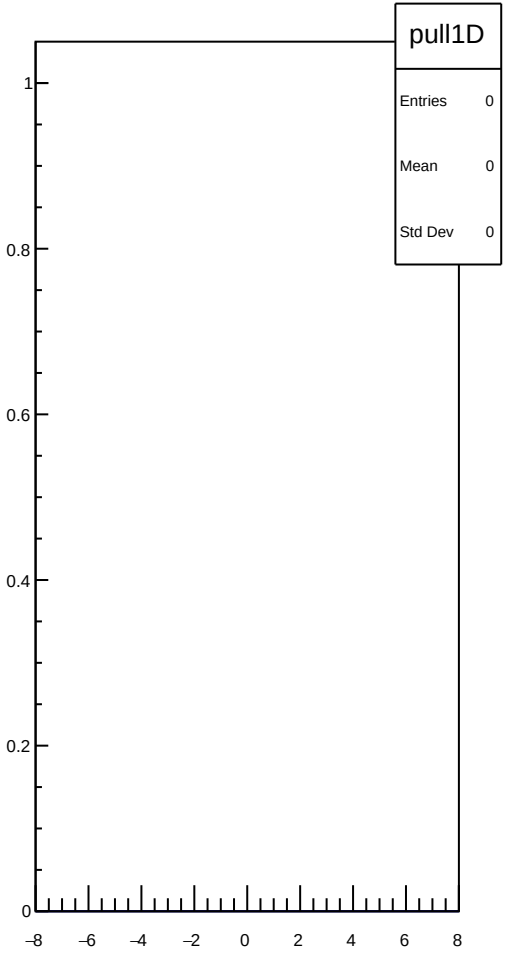

pull
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Mean 0
Std Dev 0
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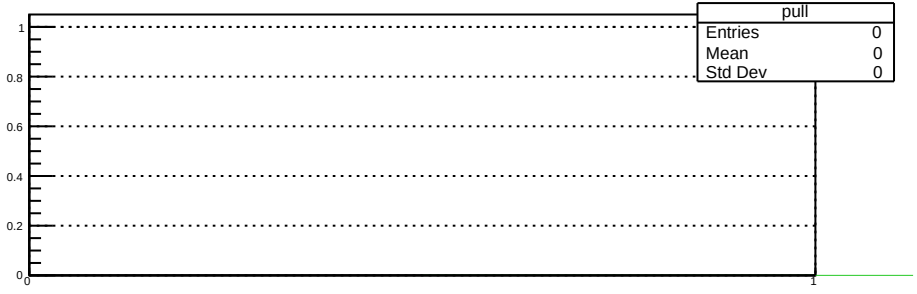

pull1D
Entries 0
Mean 0
Std Dev 0
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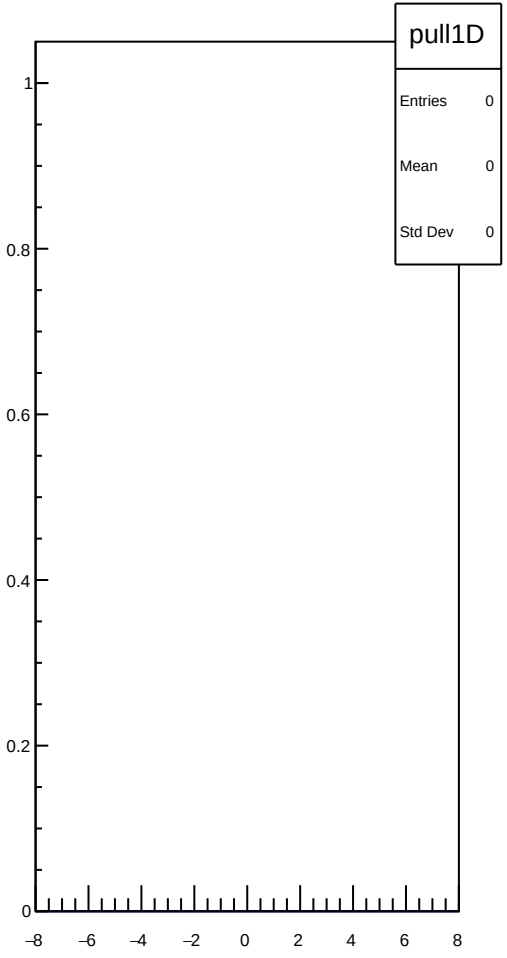

pull
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Std Dev 0
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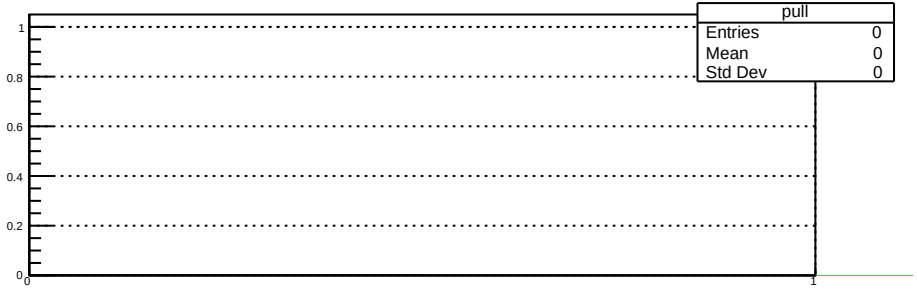

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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0
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2
4
6
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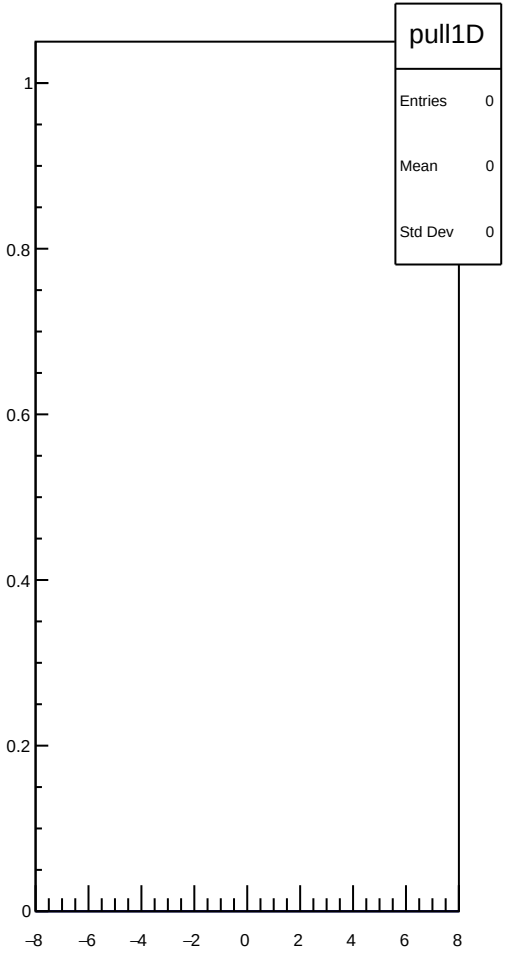

pull
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Std Dev 0
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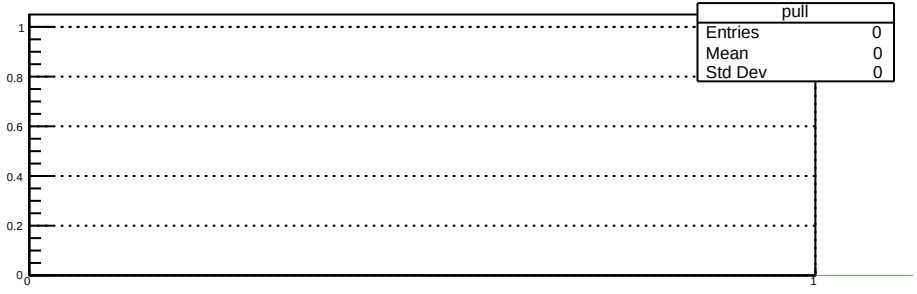

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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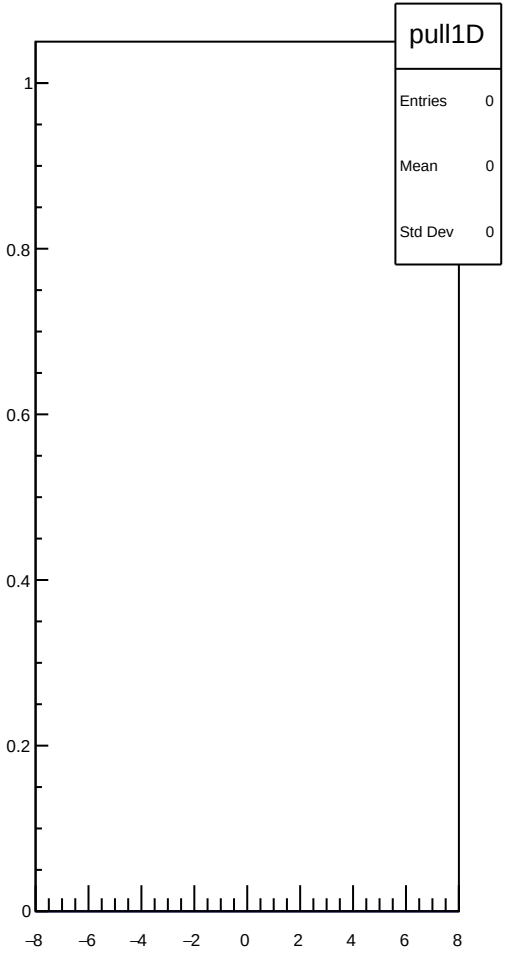

pull
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Std Dev 0
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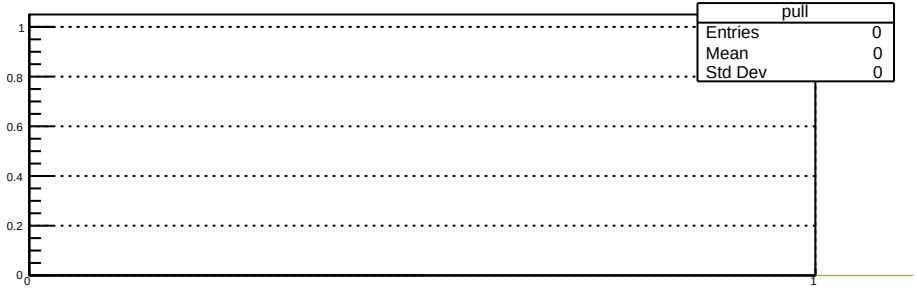

pull1D
Entries 0
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Std Dev 0
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0.4
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0
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–2
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2
4
6
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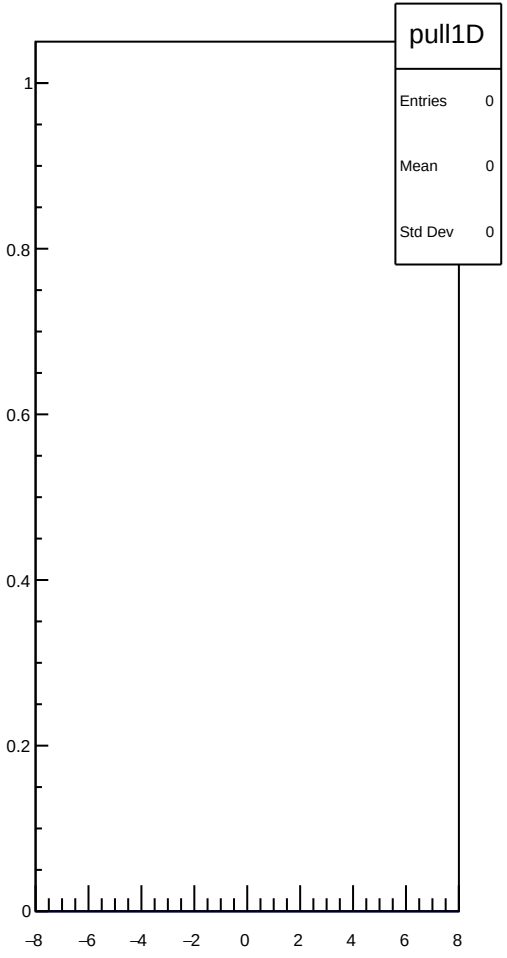

pull
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Std Dev 0
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0.6
0.4
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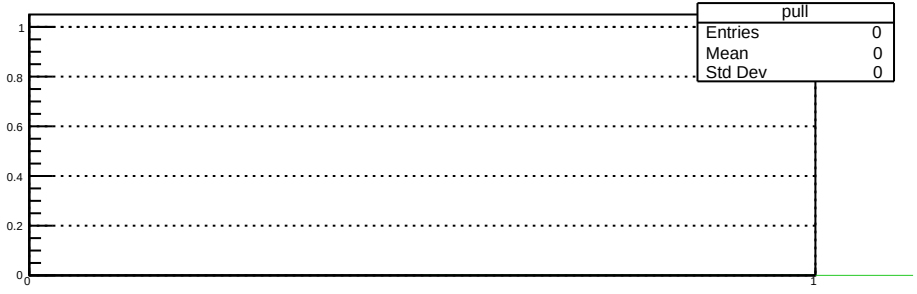

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–2
0
2
4
6
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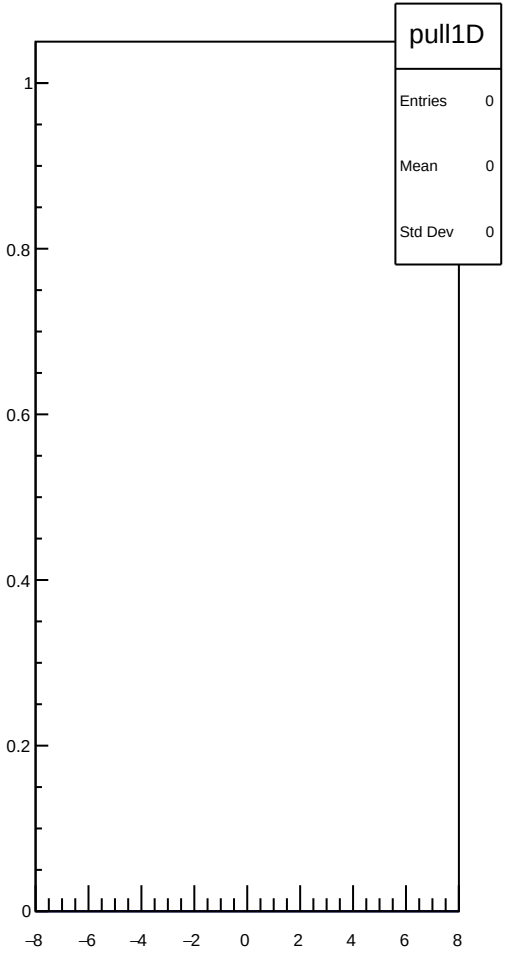

pull
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Std Dev 0
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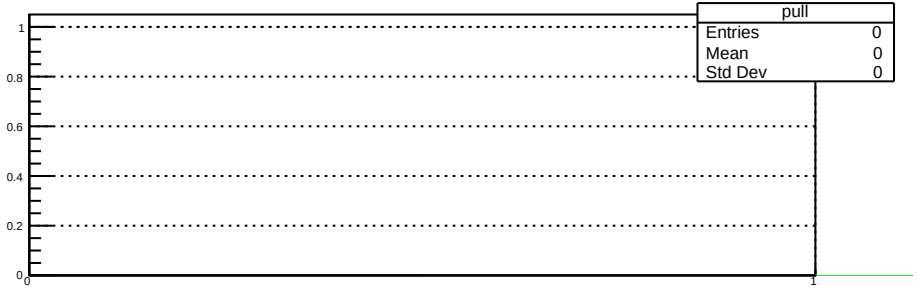

pull1D
Entries 0
Mean 0
Std Dev 0
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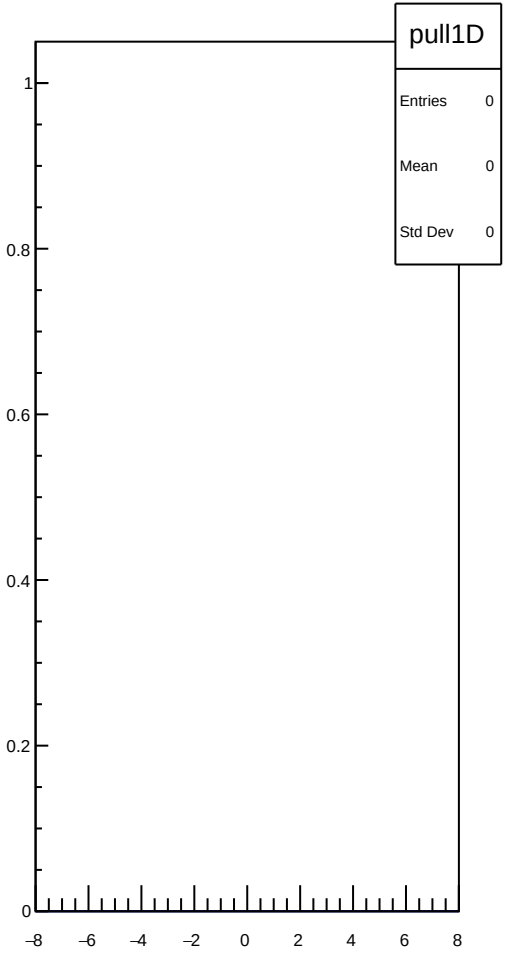

pull
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Std Dev 0
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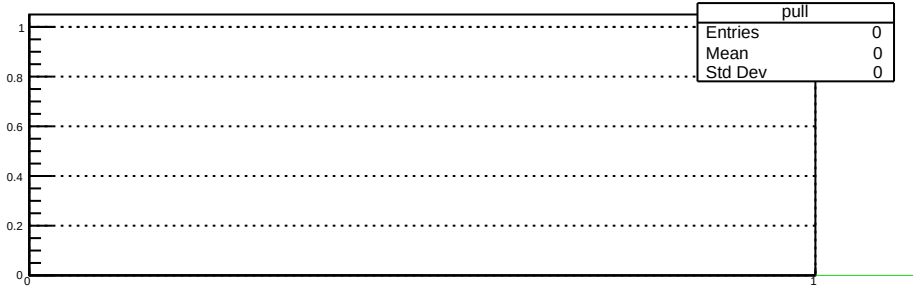

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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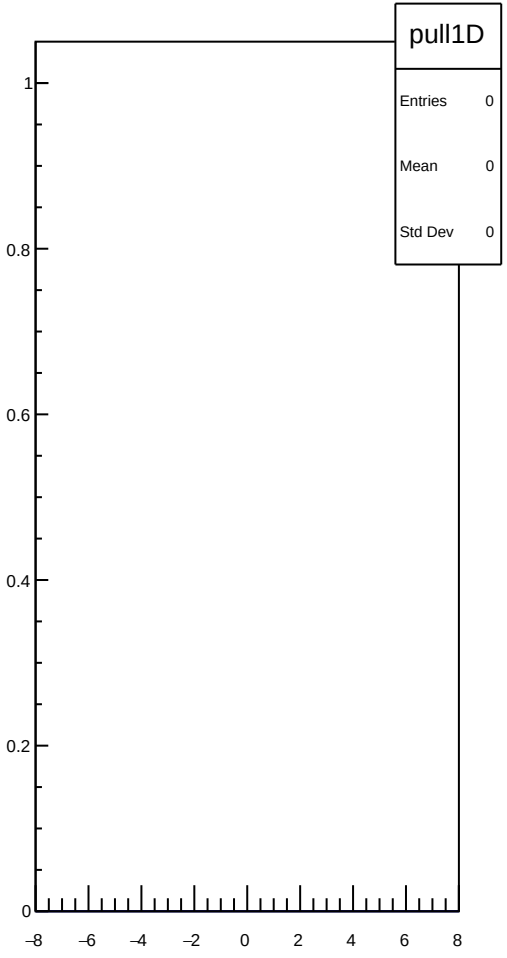

pull
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Mean 0
Std Dev 0
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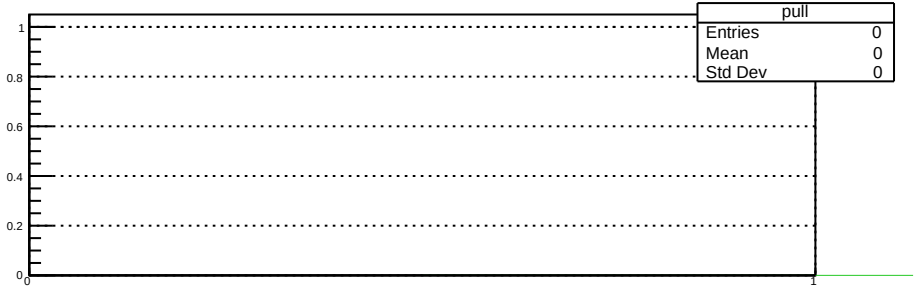

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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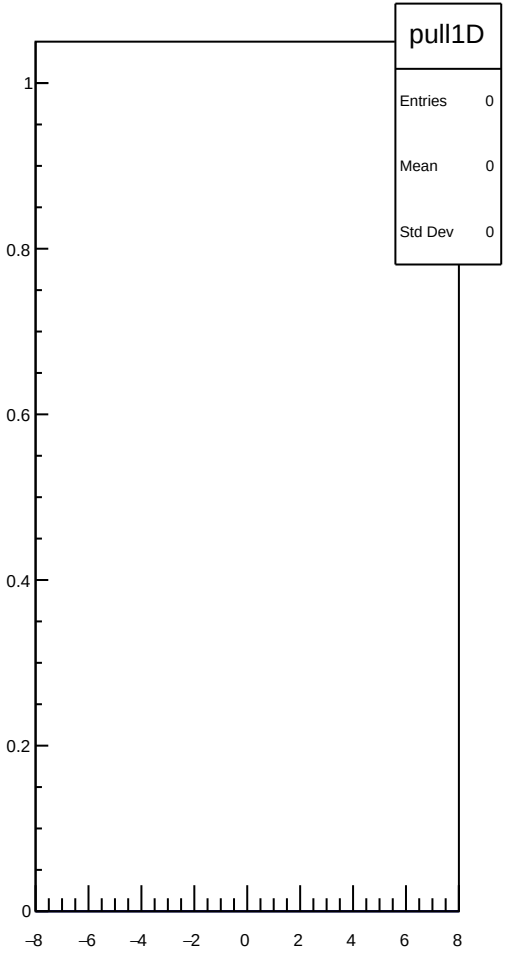

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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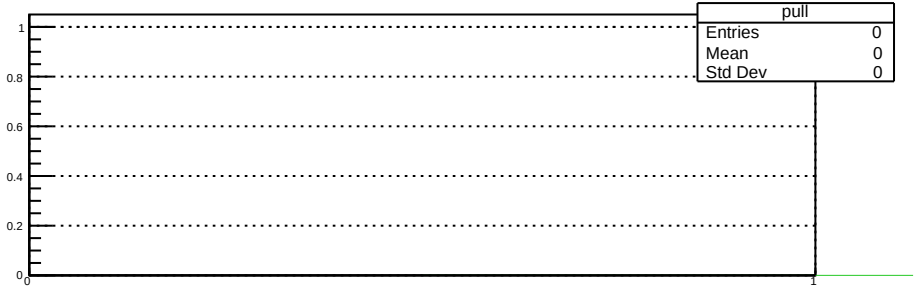

pull1D
Entries 0
Mean 0
Std Dev 0
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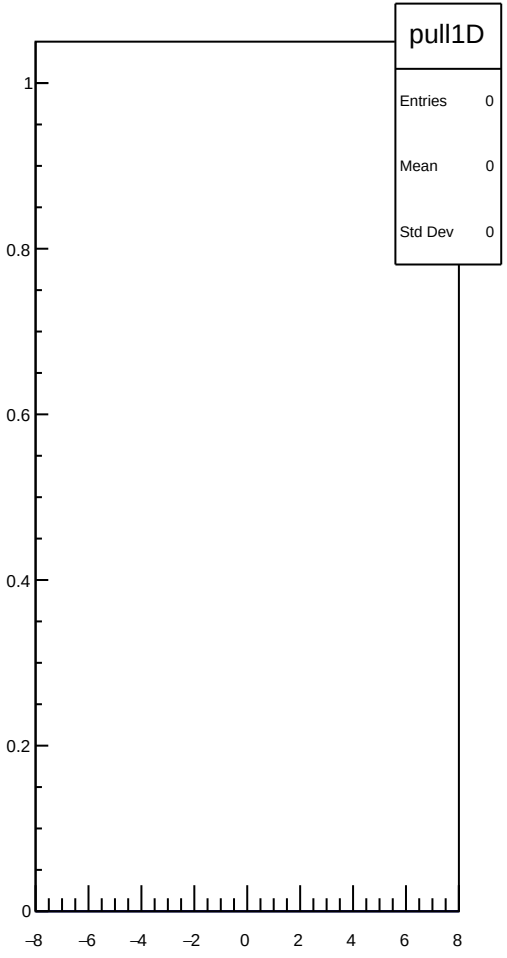

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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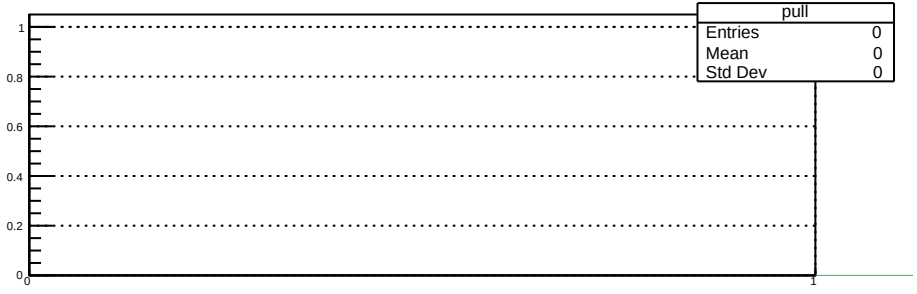

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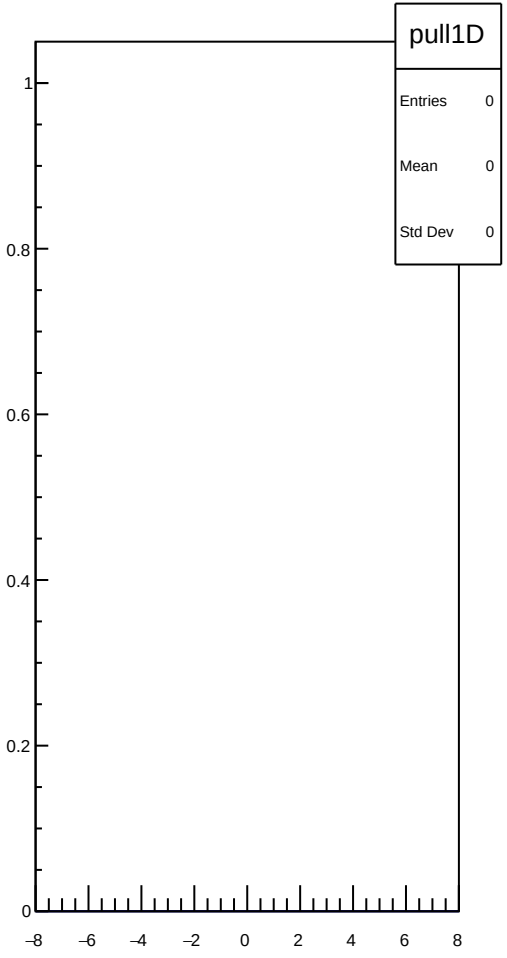

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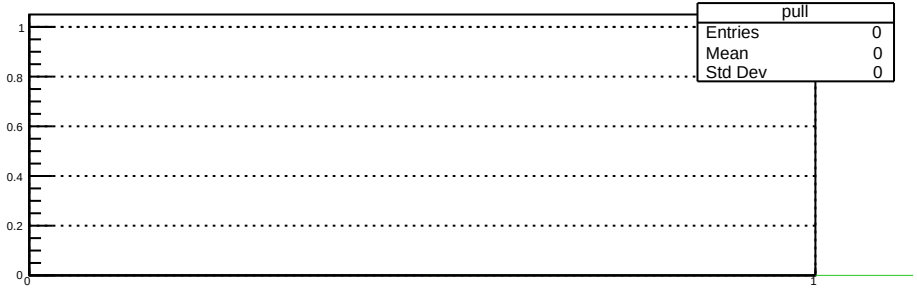

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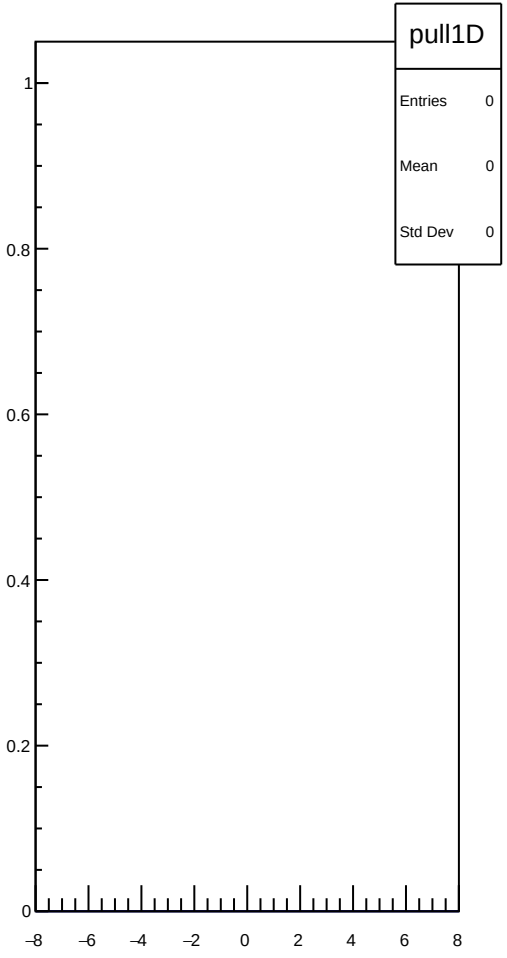

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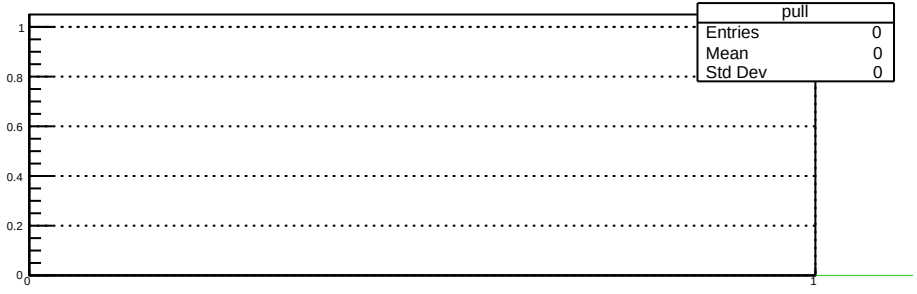

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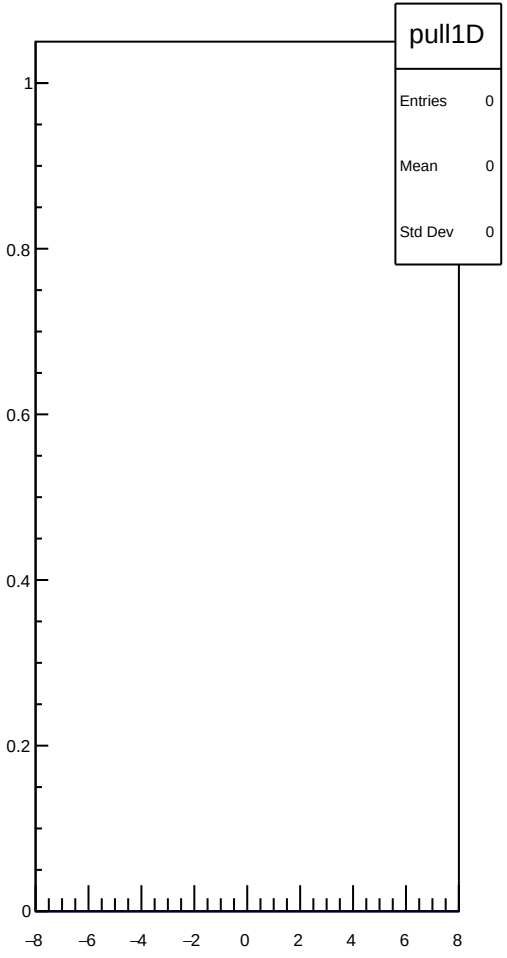

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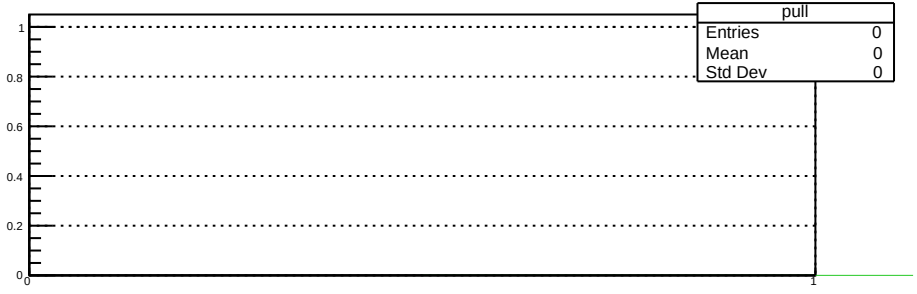

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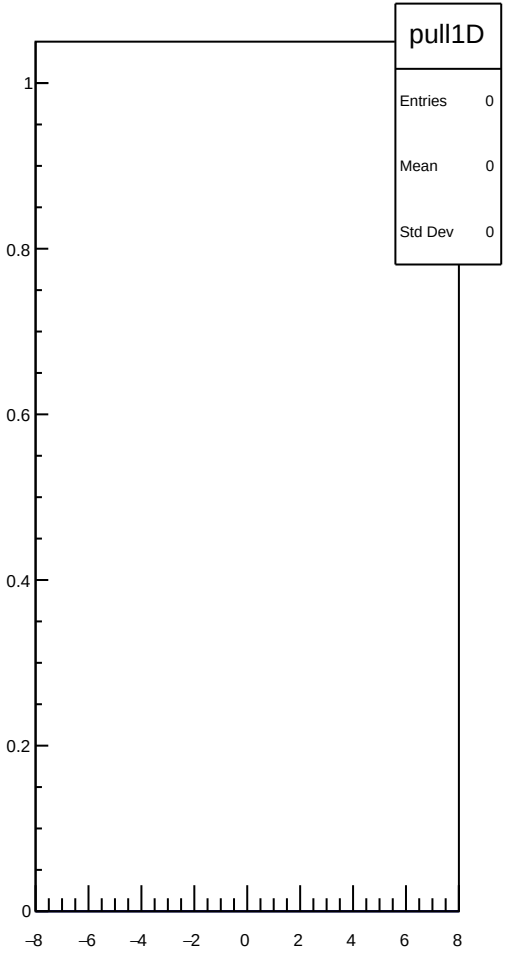

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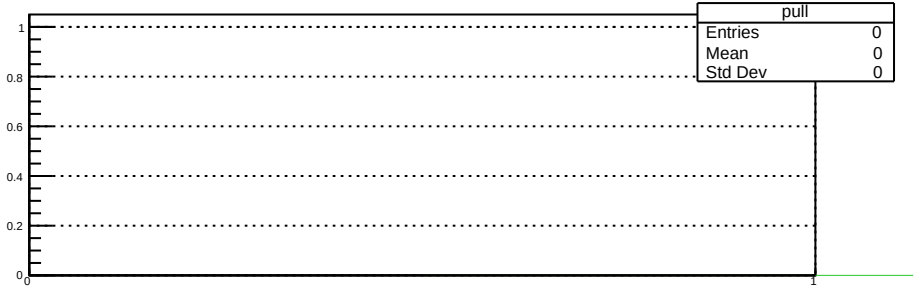

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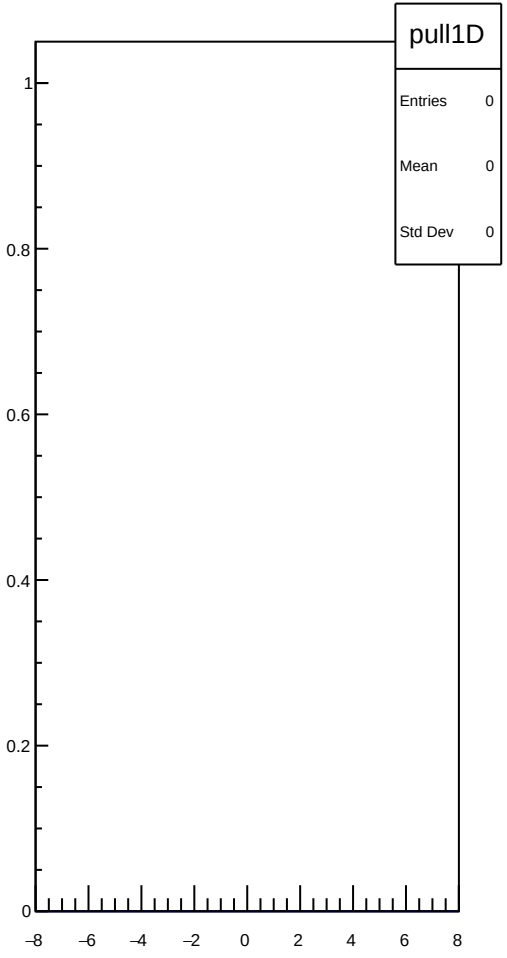

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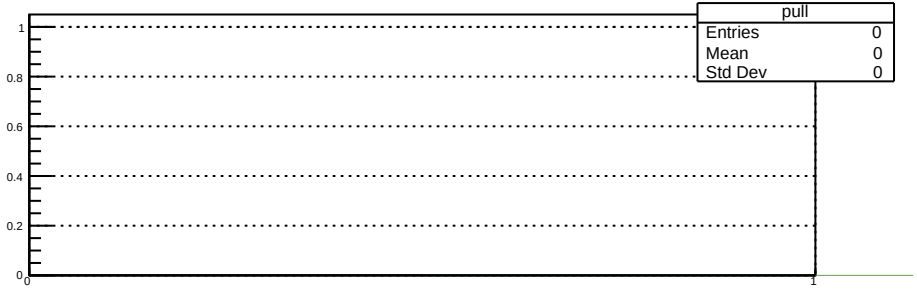

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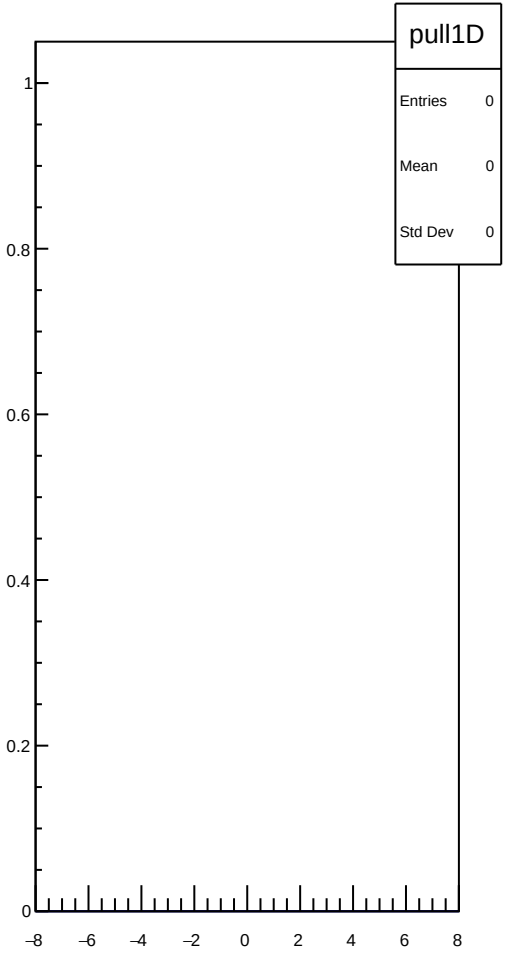

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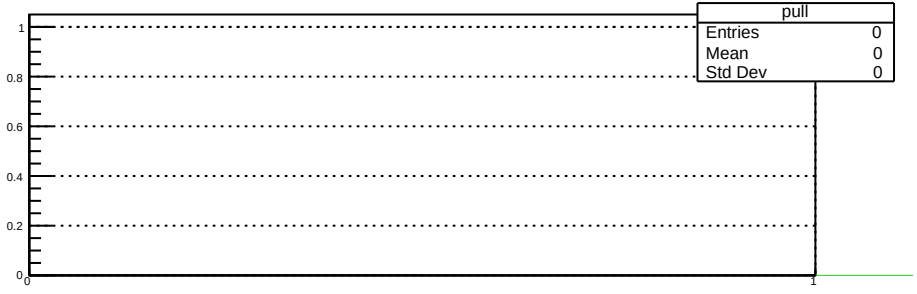

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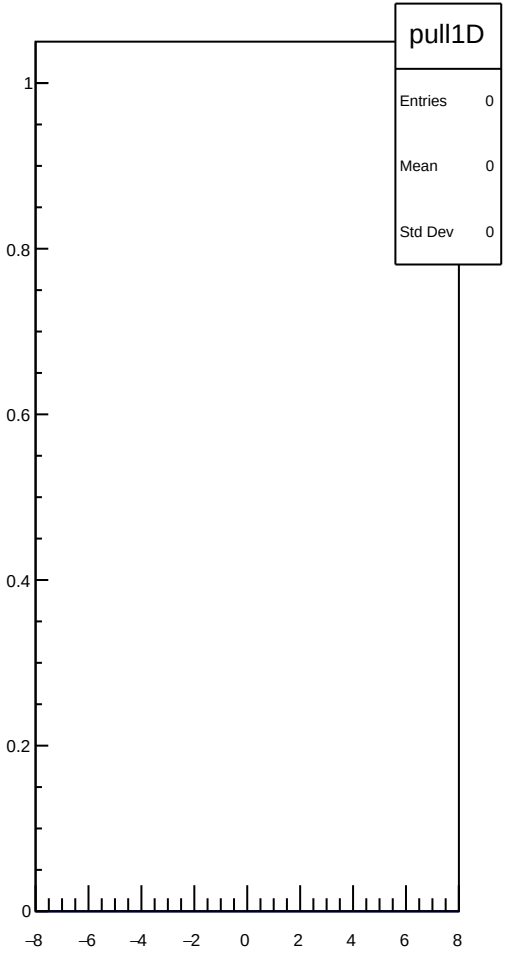

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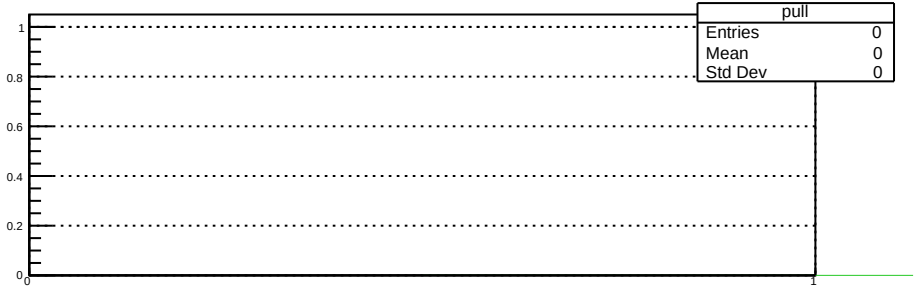

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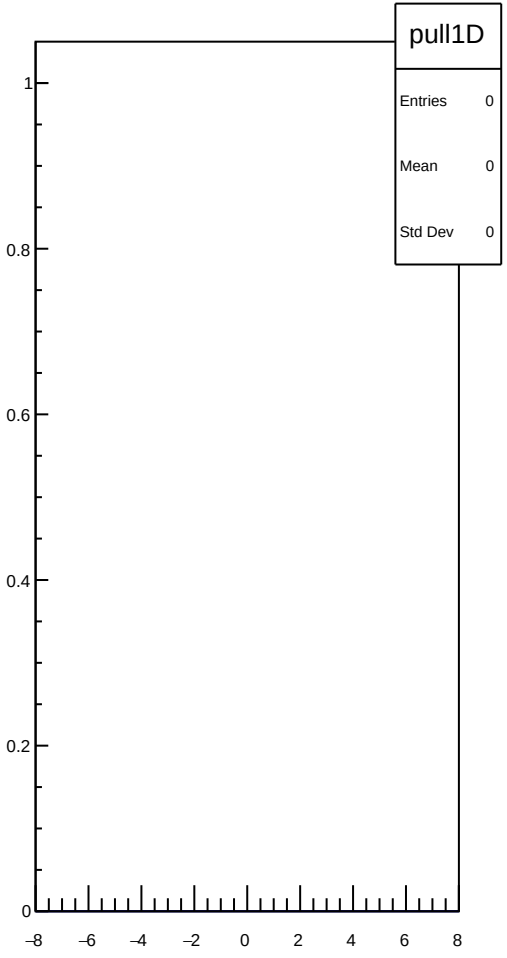

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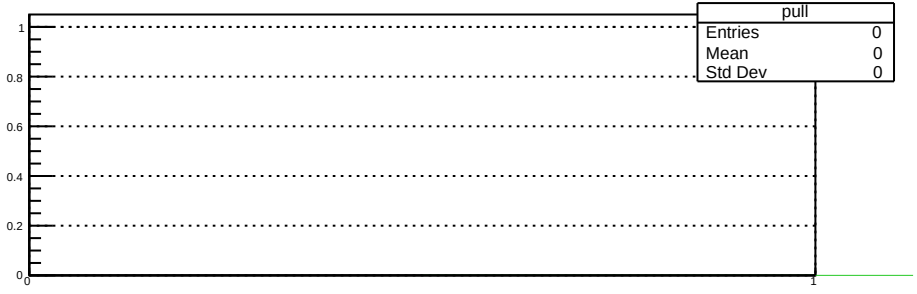

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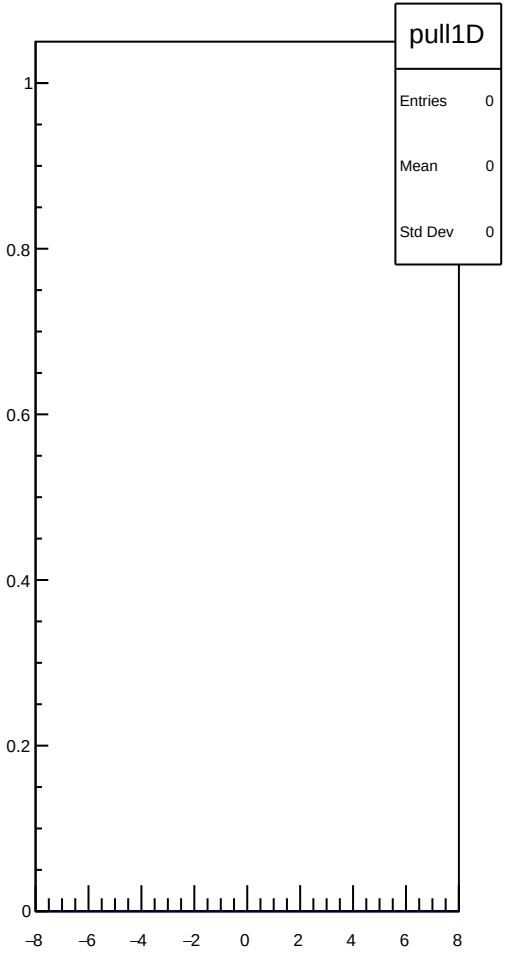

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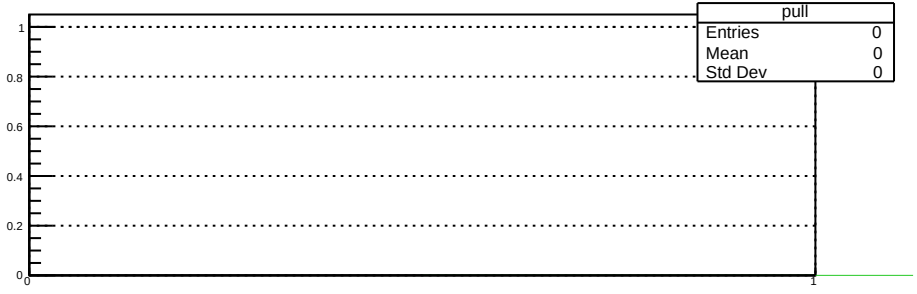

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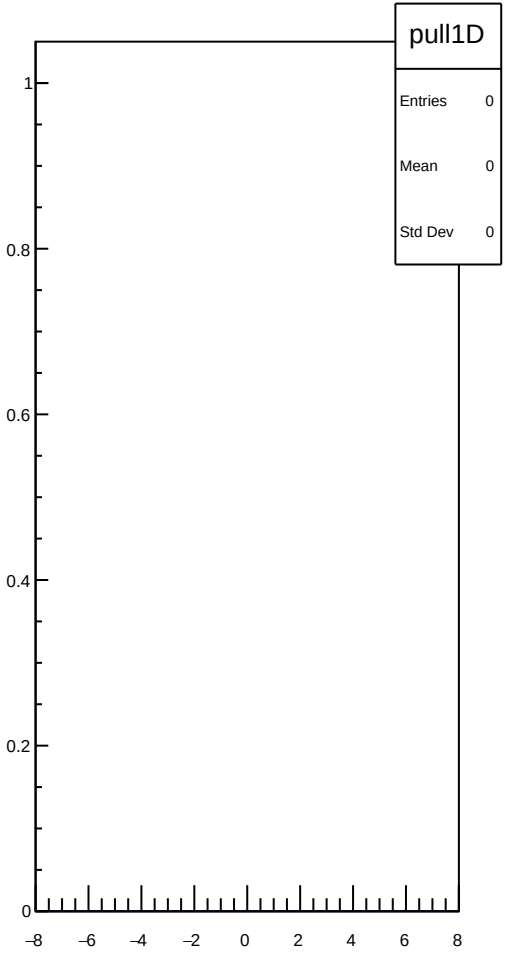

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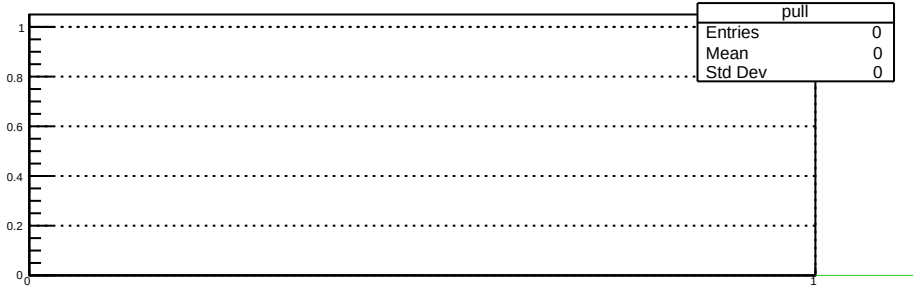

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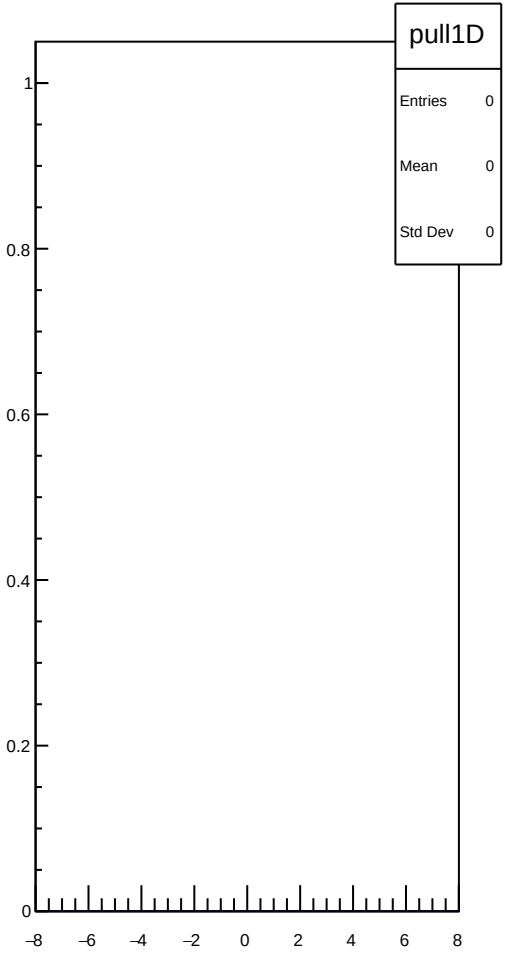

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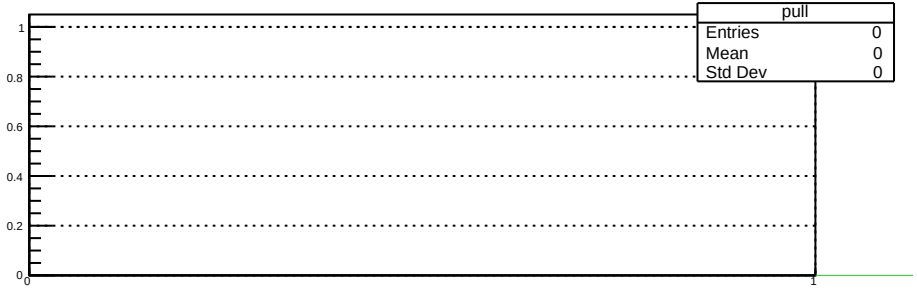

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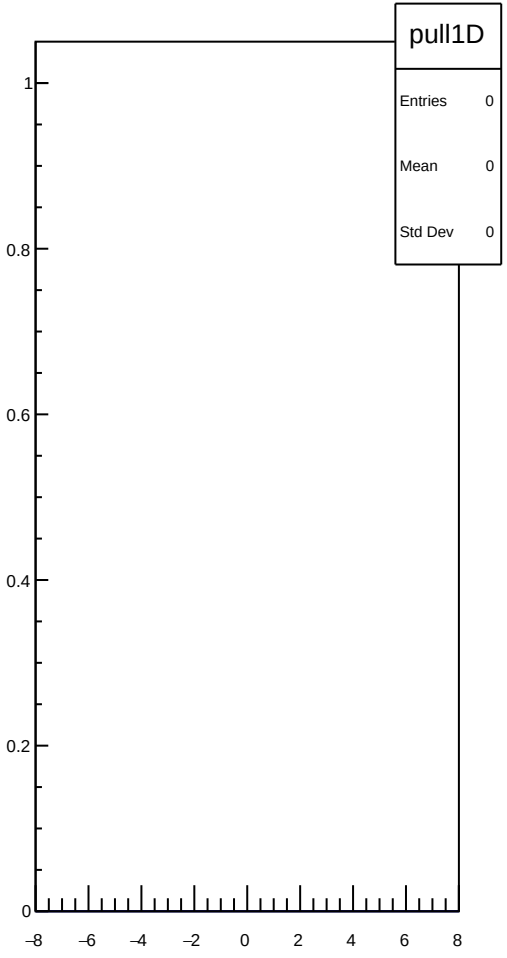

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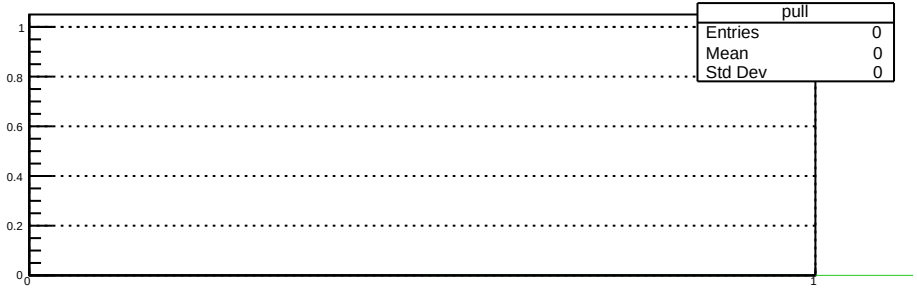

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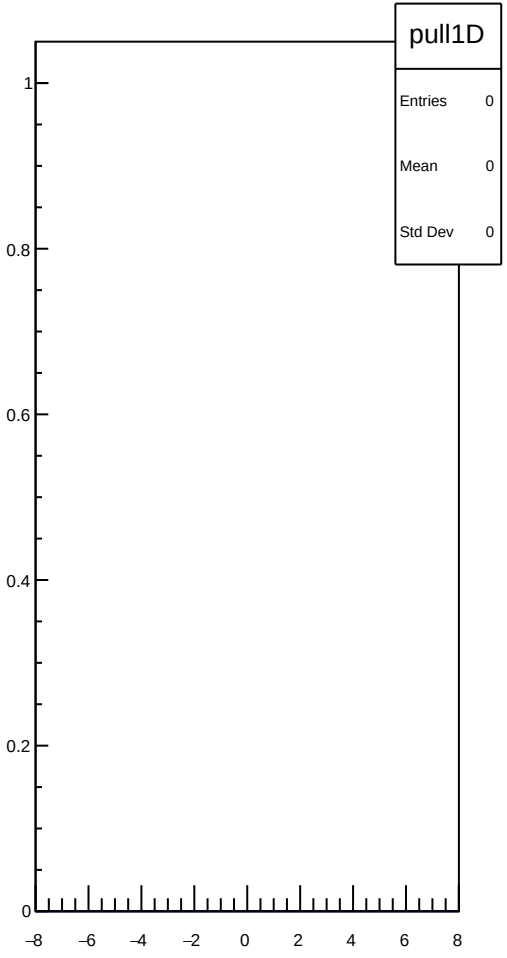

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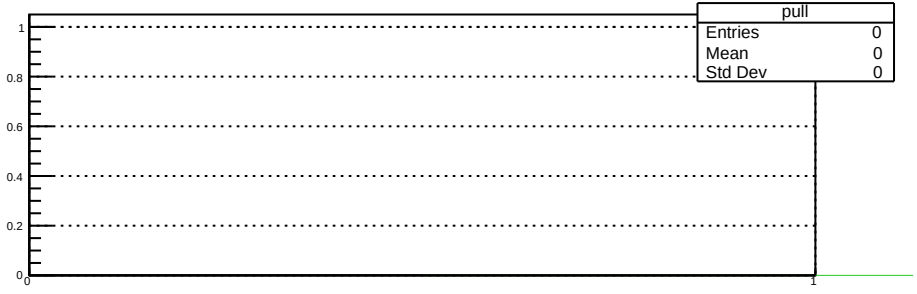

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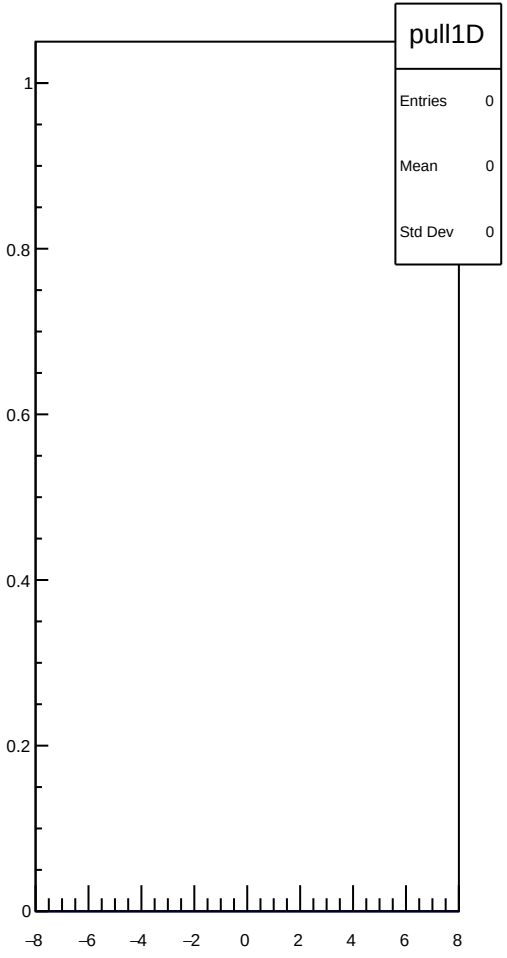

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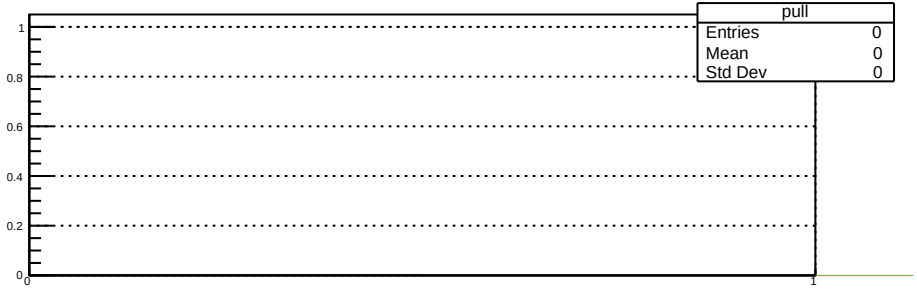

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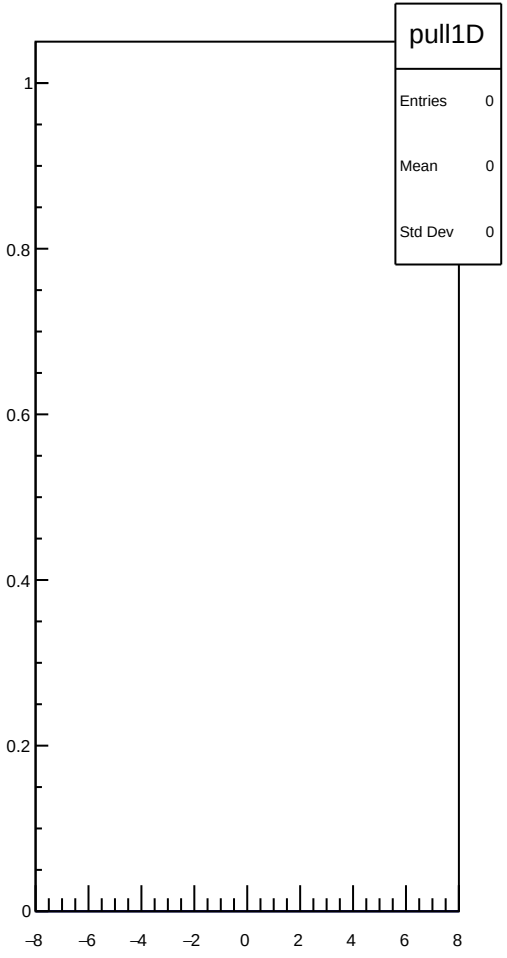

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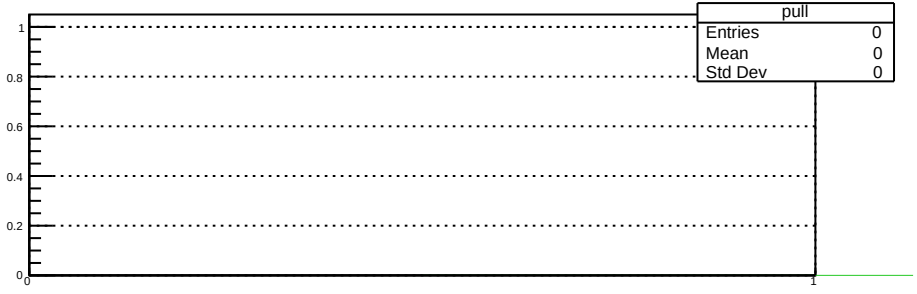

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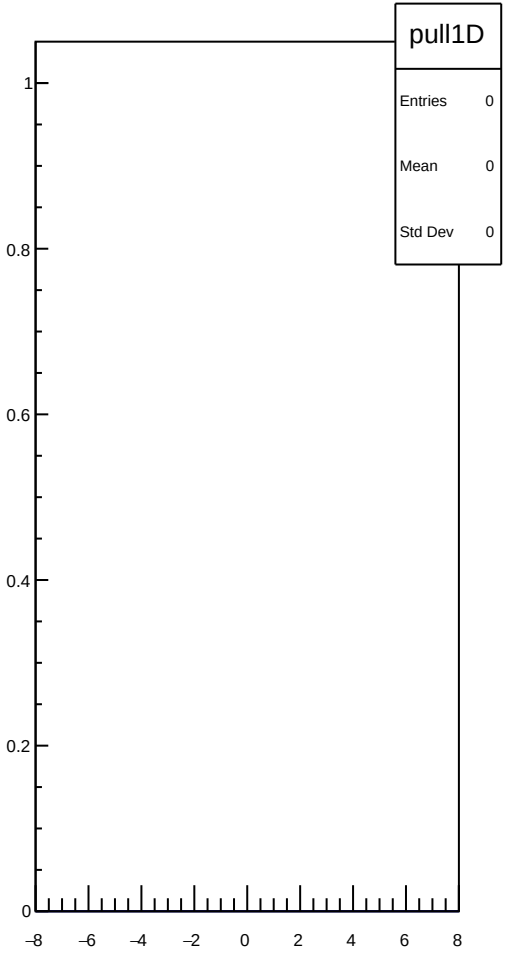

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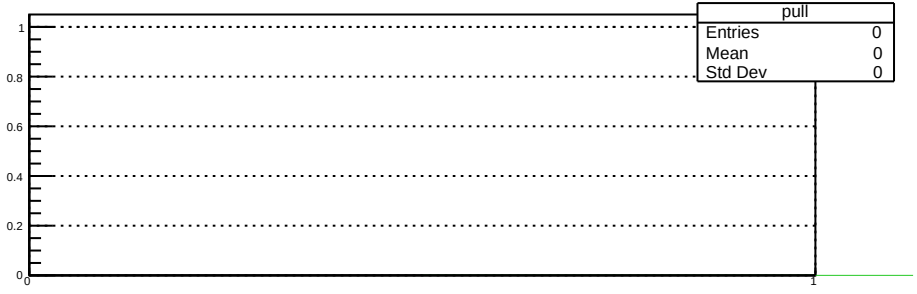

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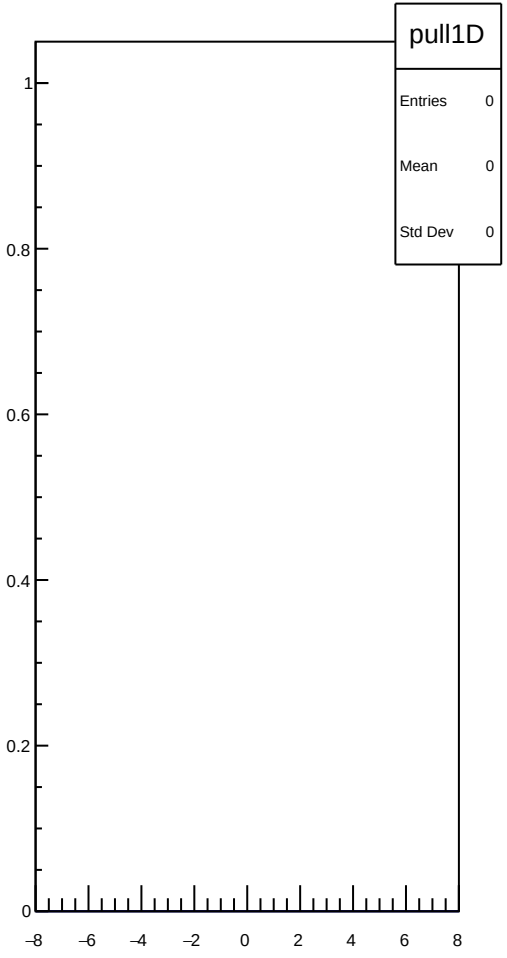

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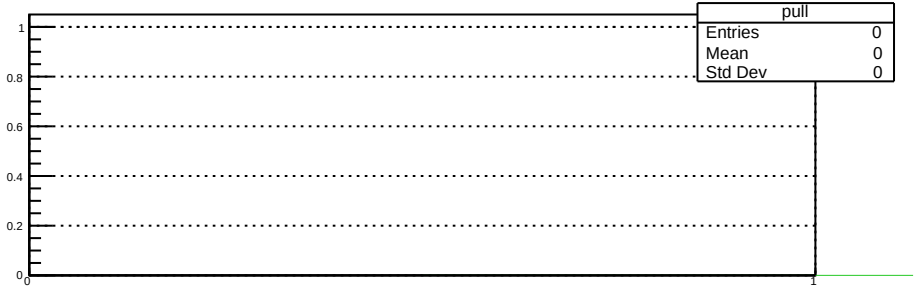

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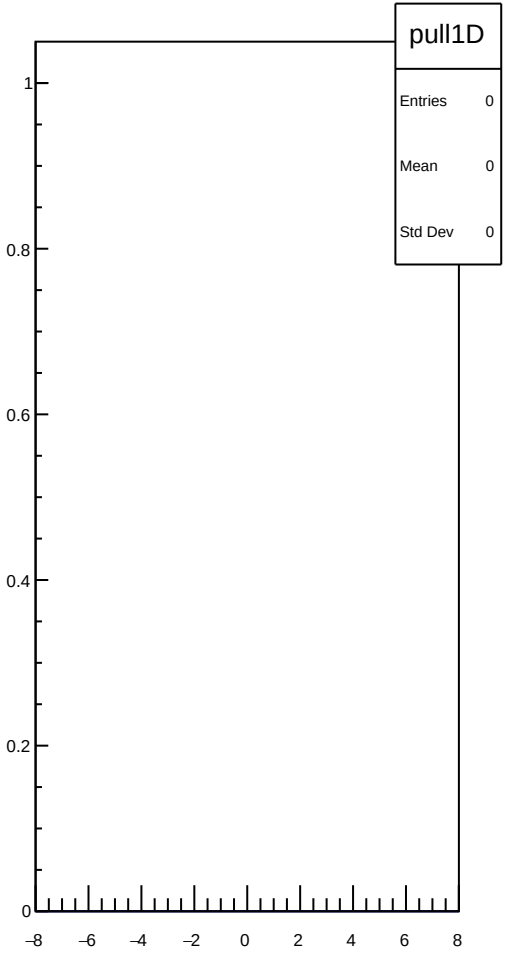

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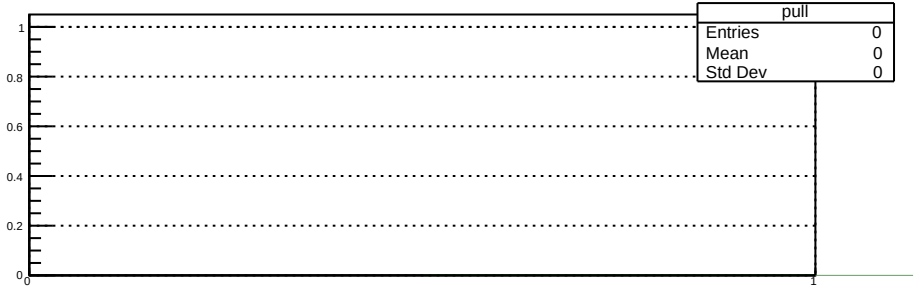

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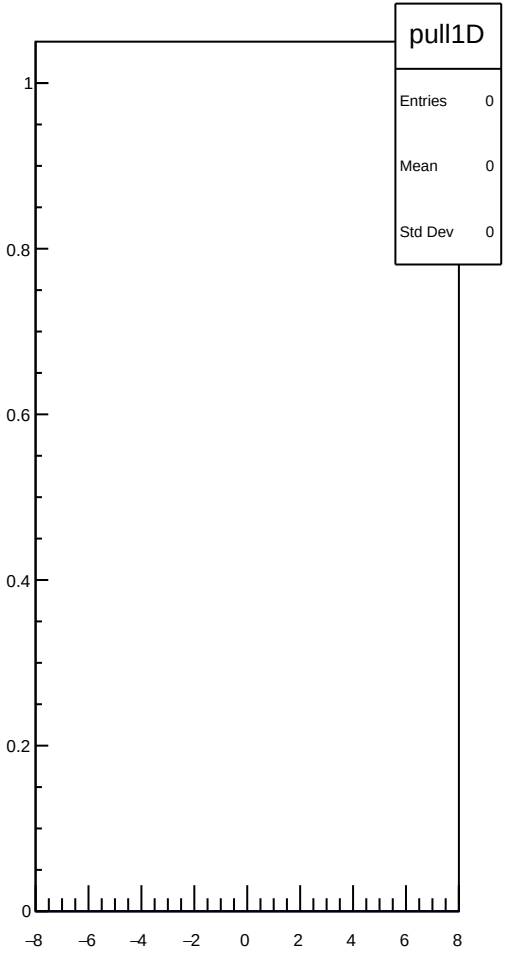

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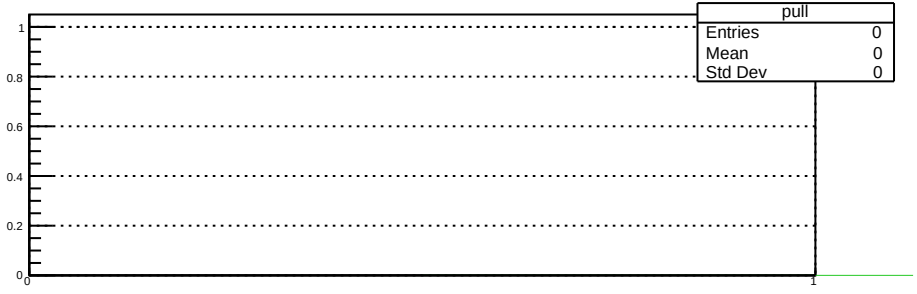

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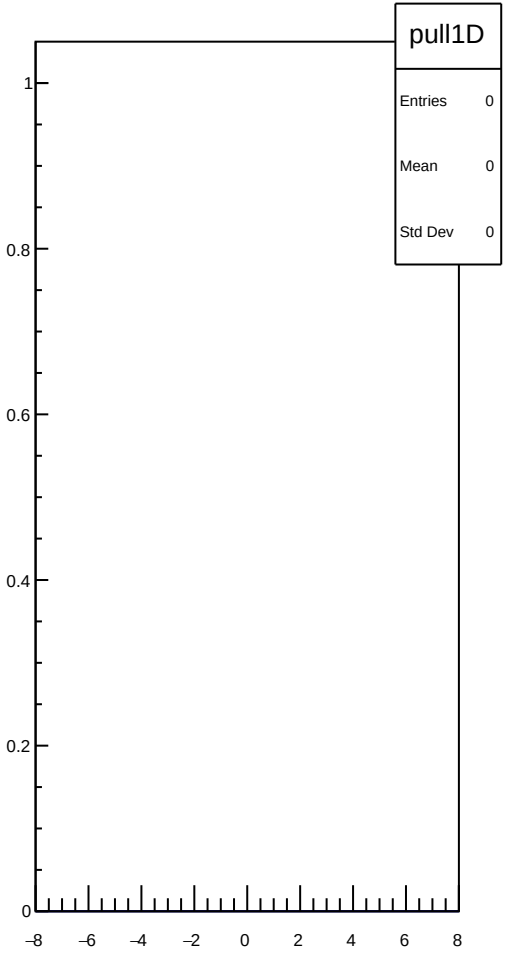

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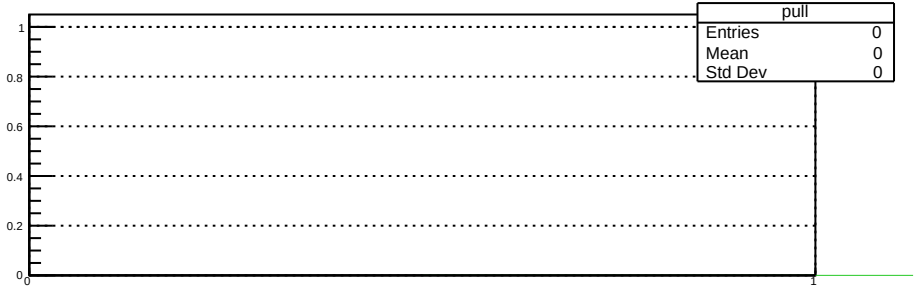

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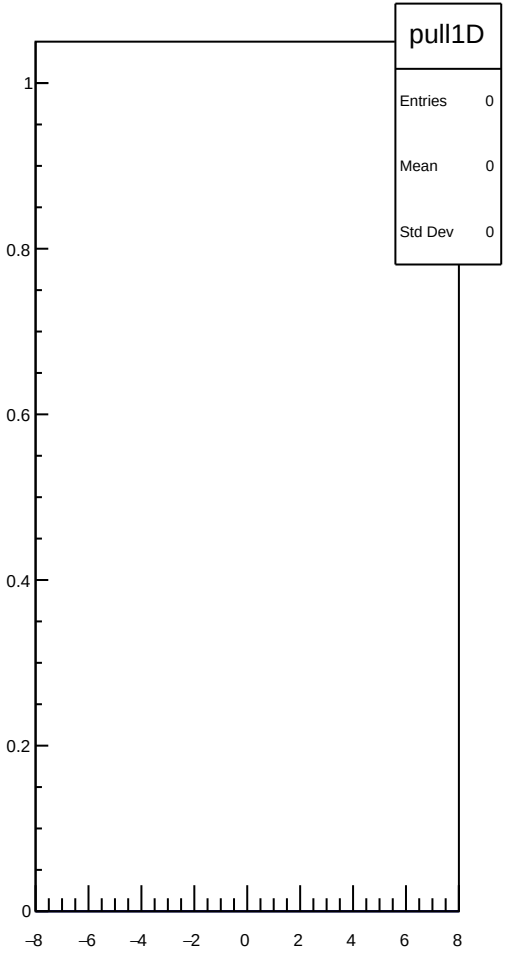

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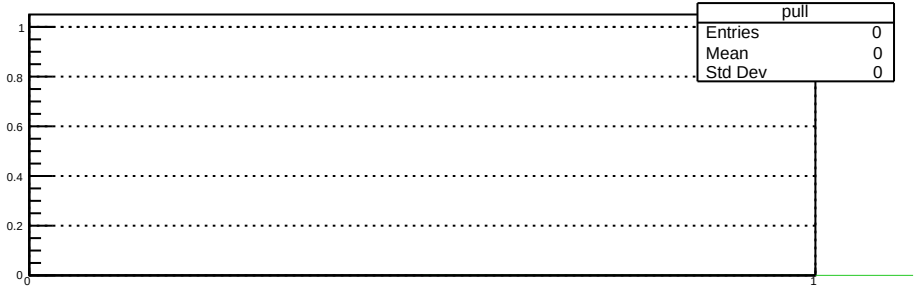

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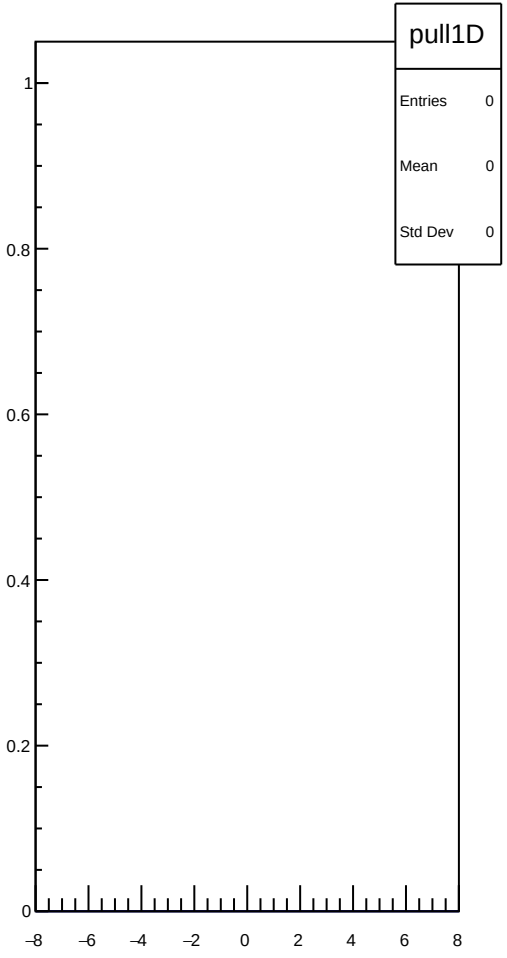

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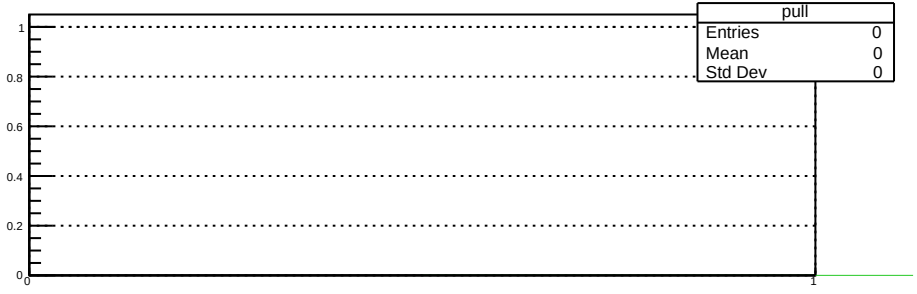

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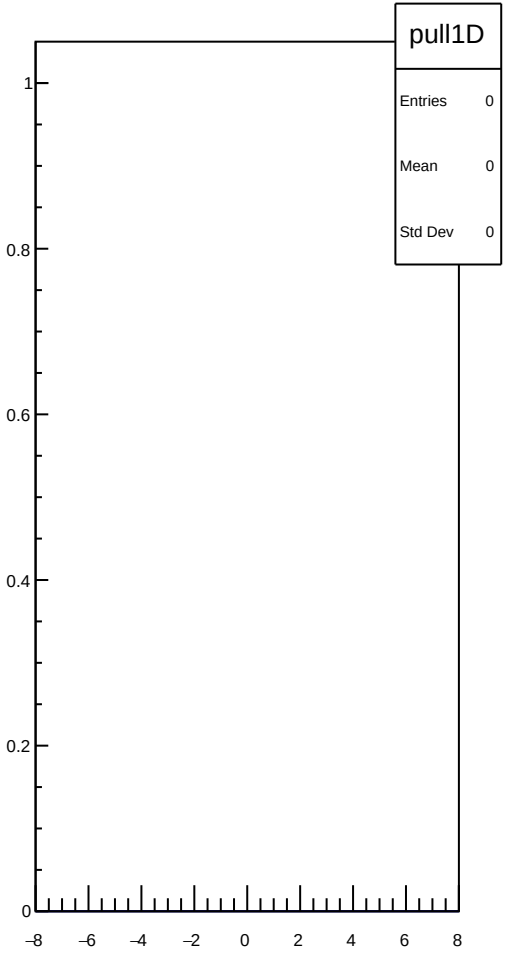

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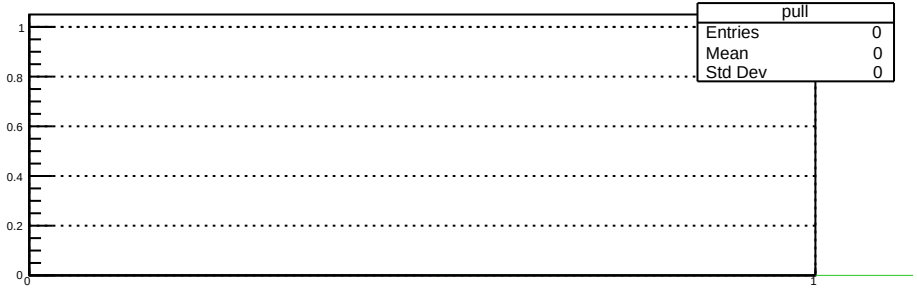

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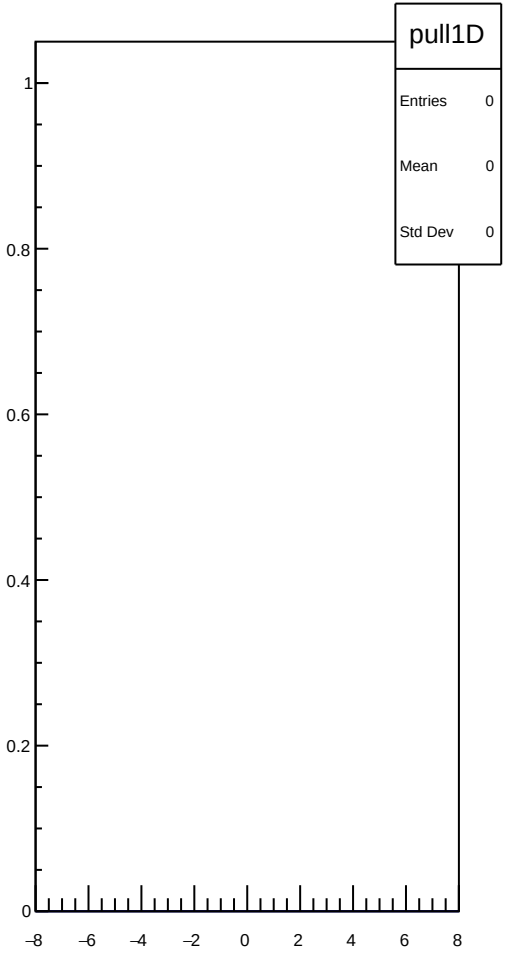

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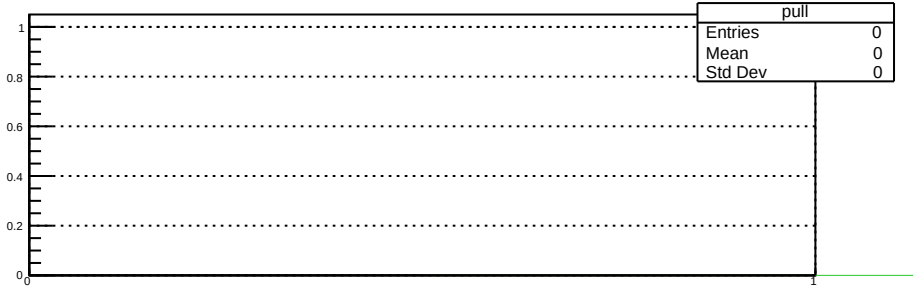

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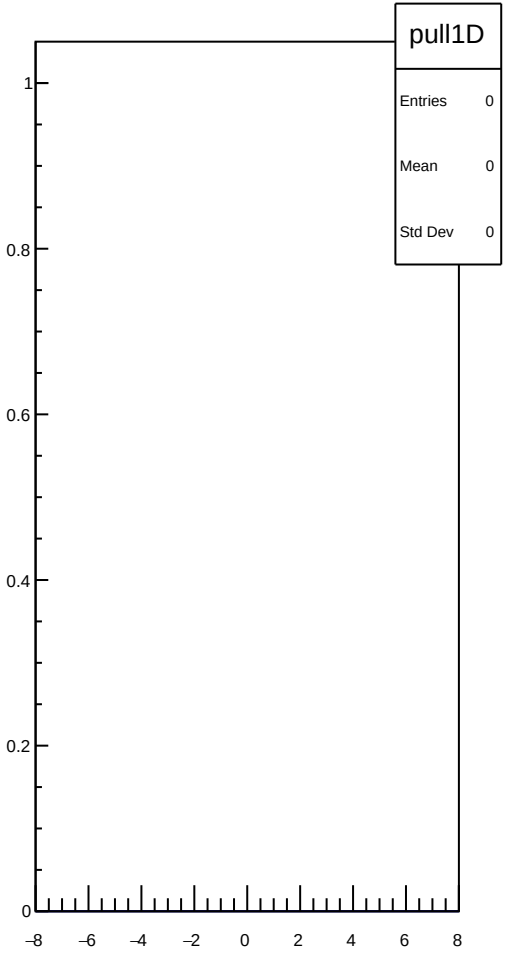

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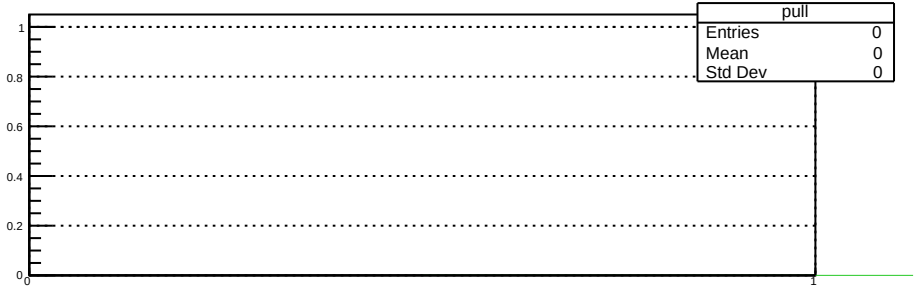

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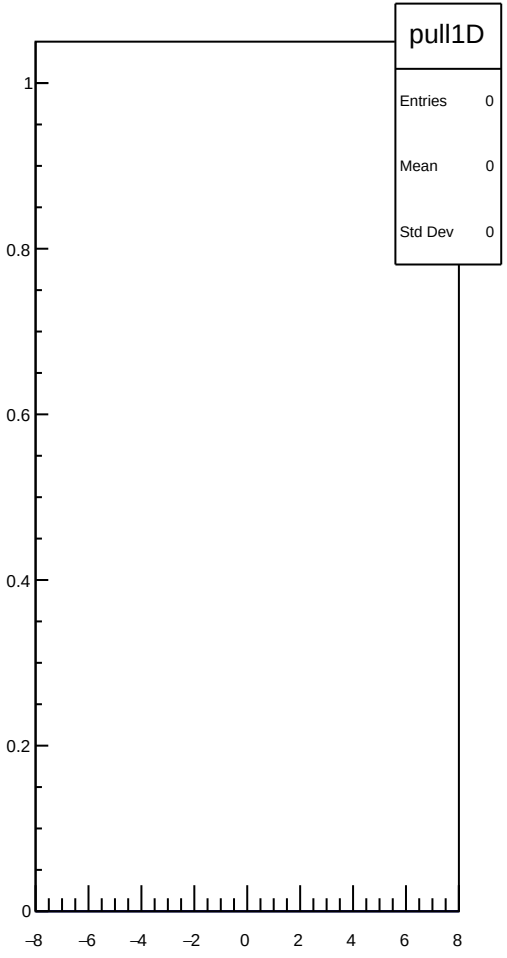

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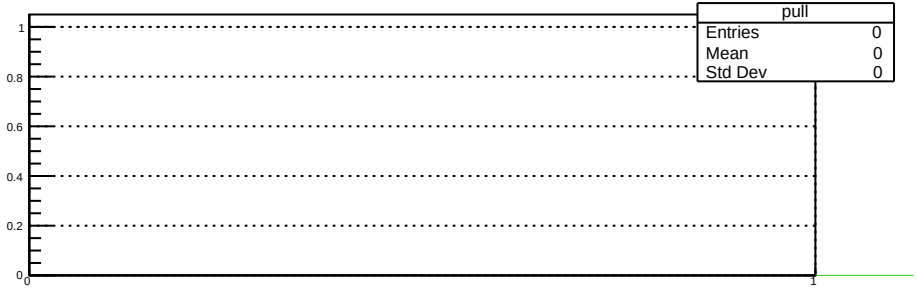

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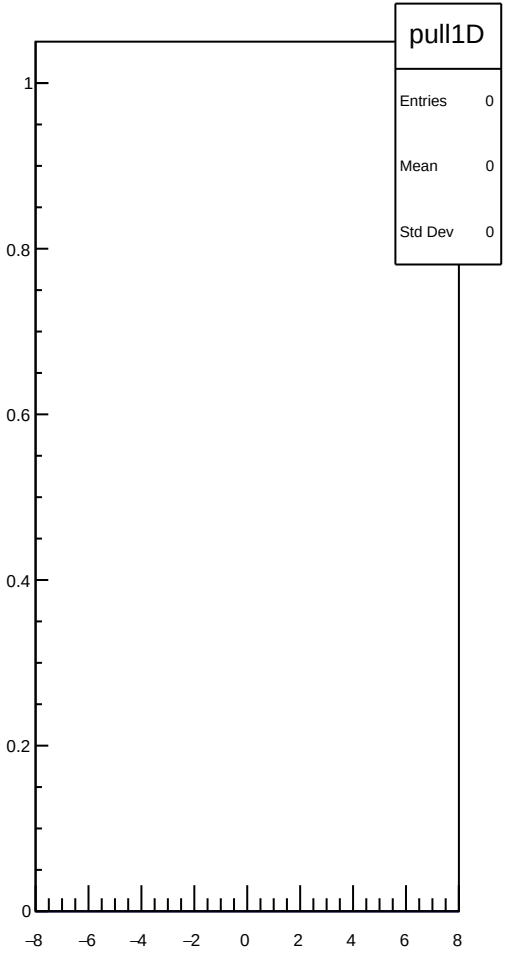

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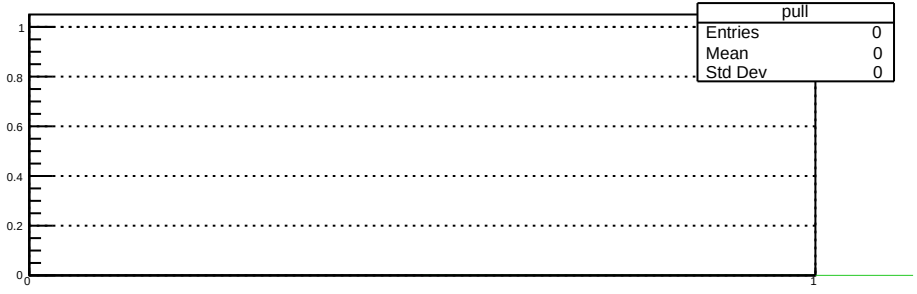

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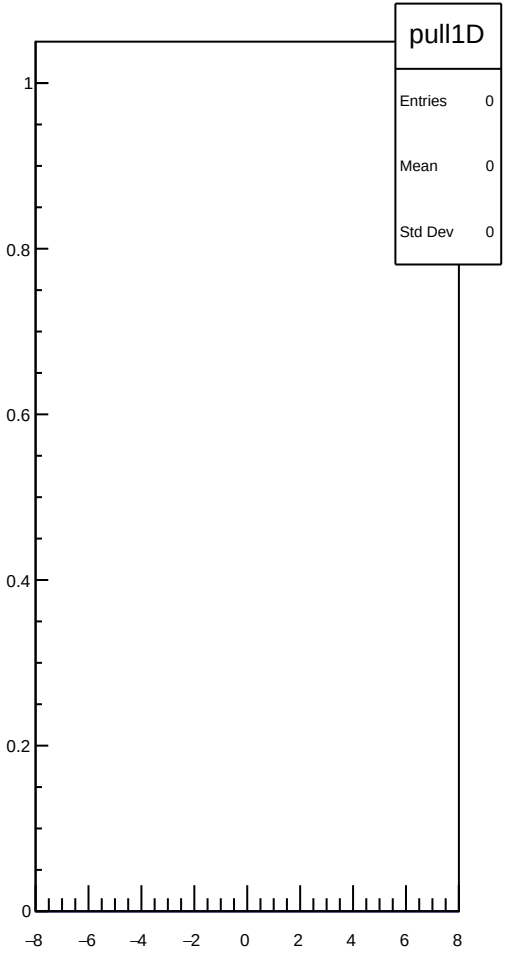

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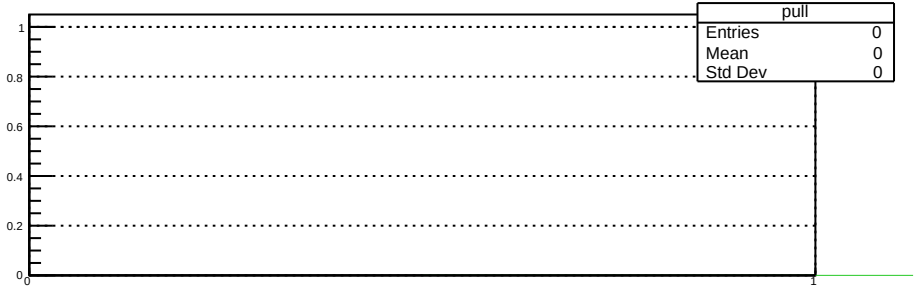

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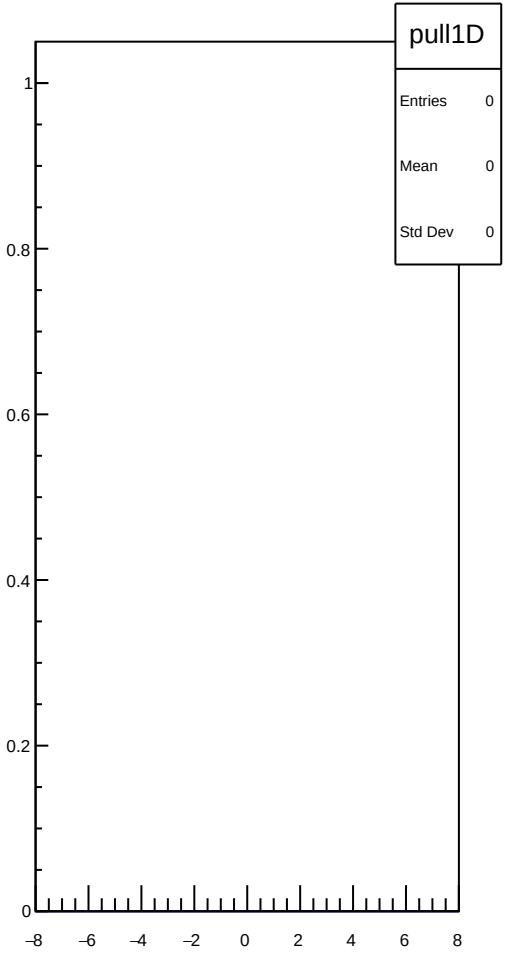

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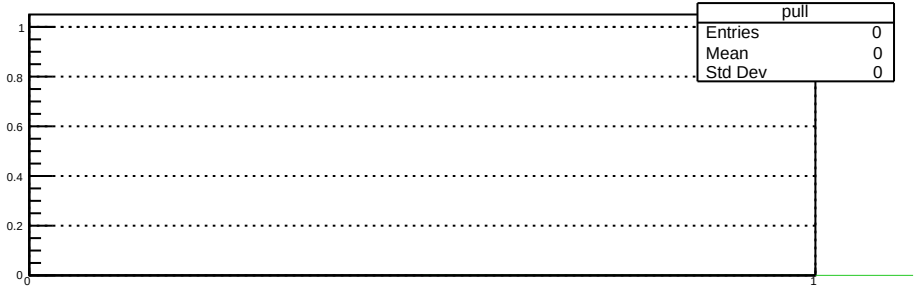

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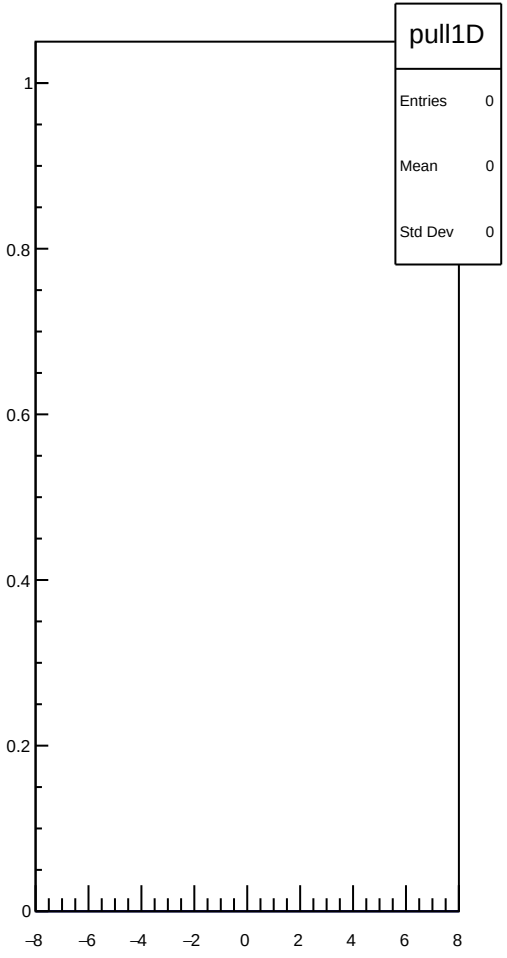

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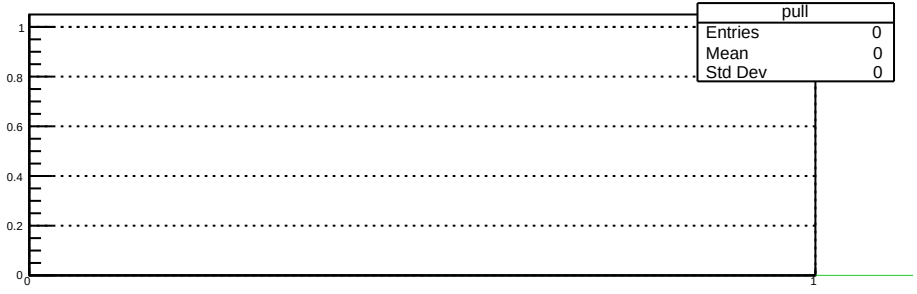

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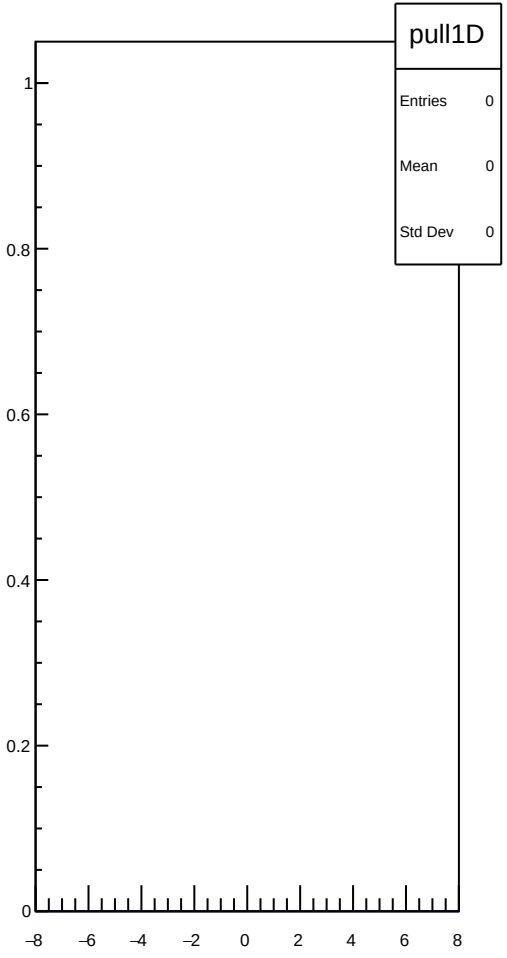

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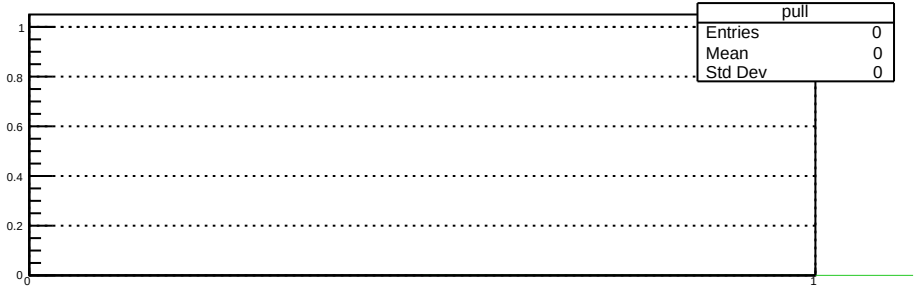

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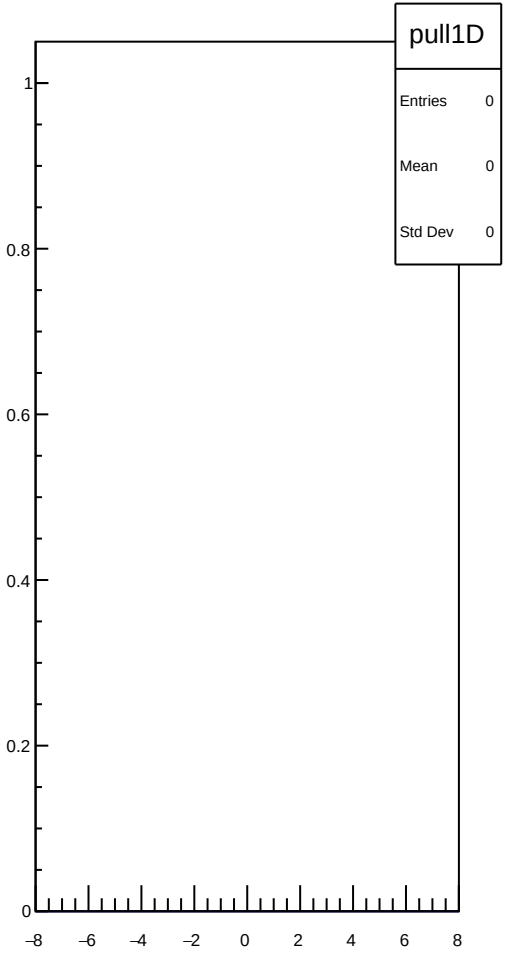

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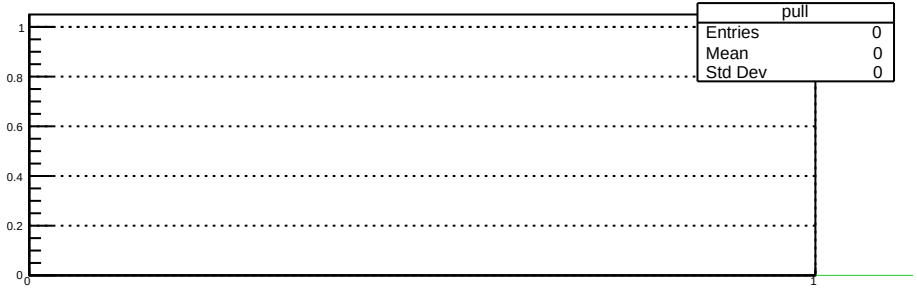

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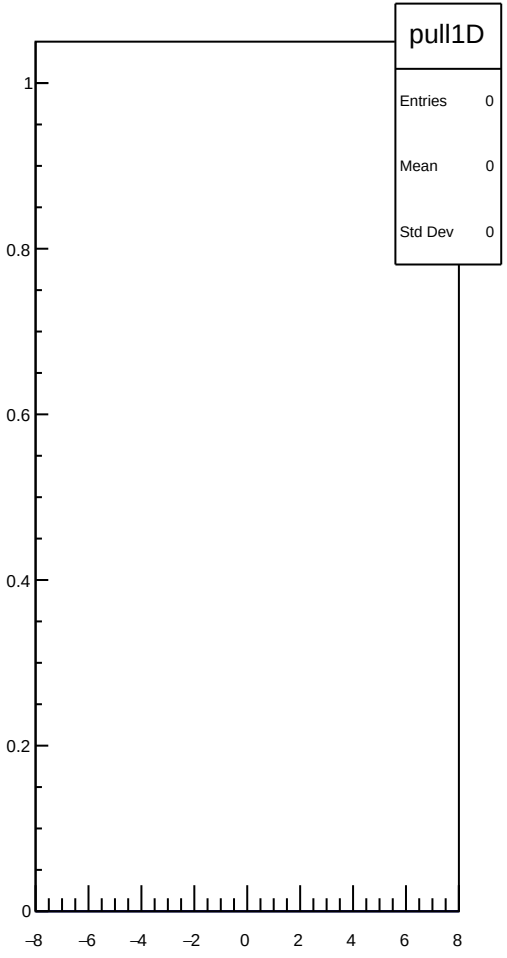

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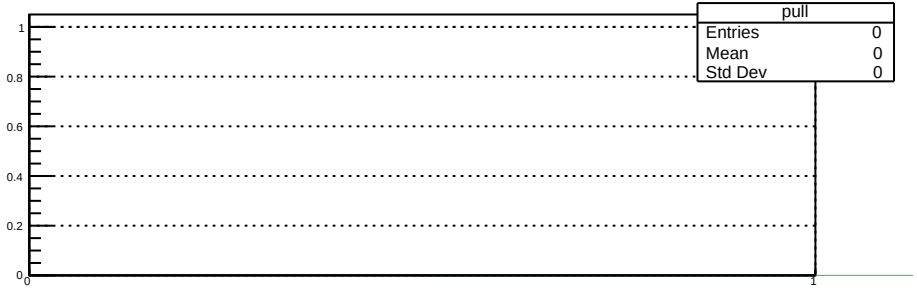

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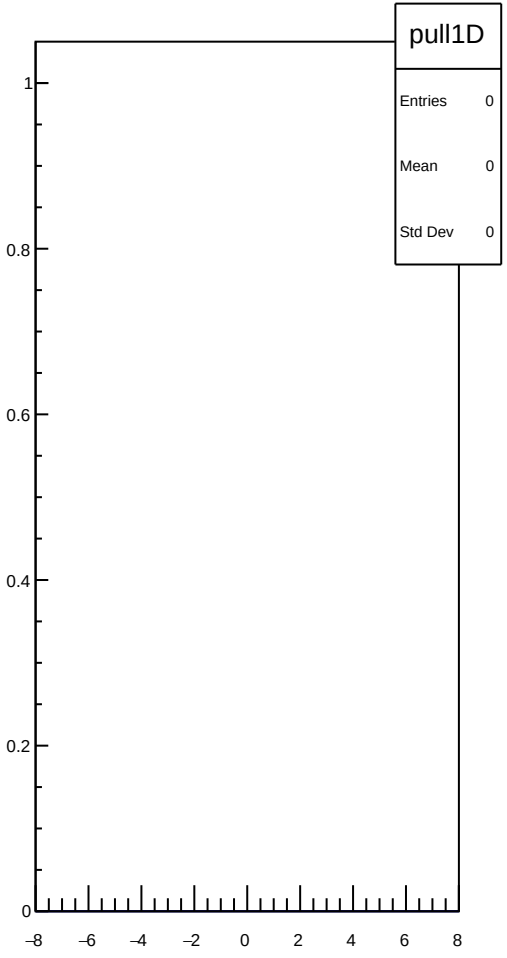

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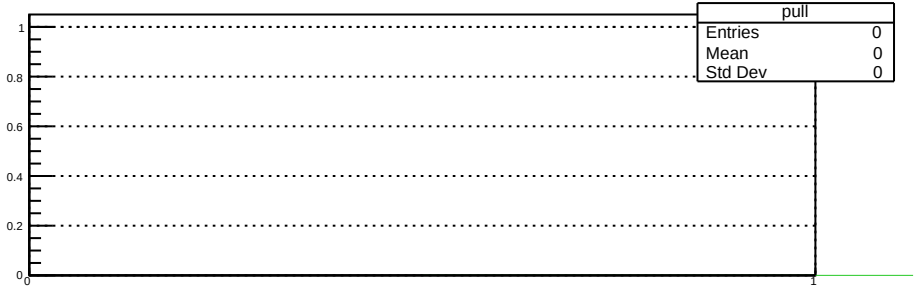

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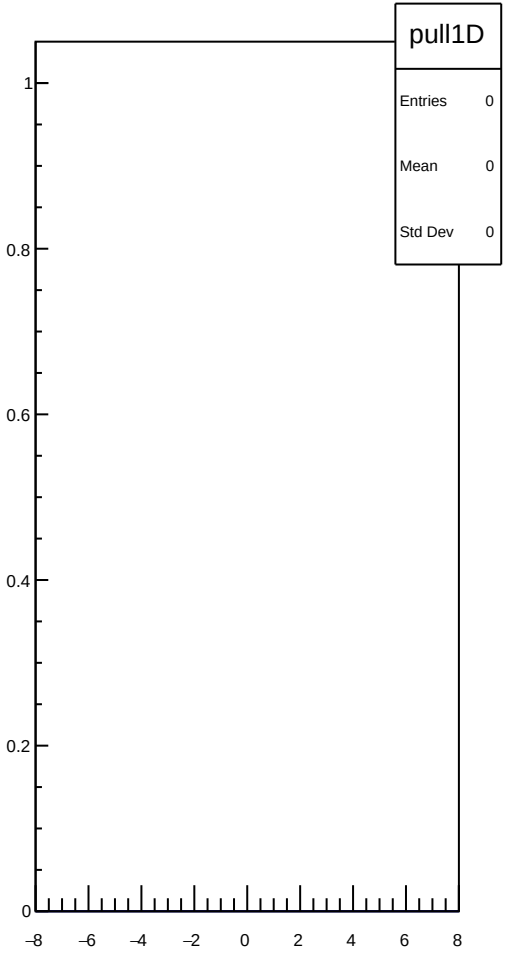

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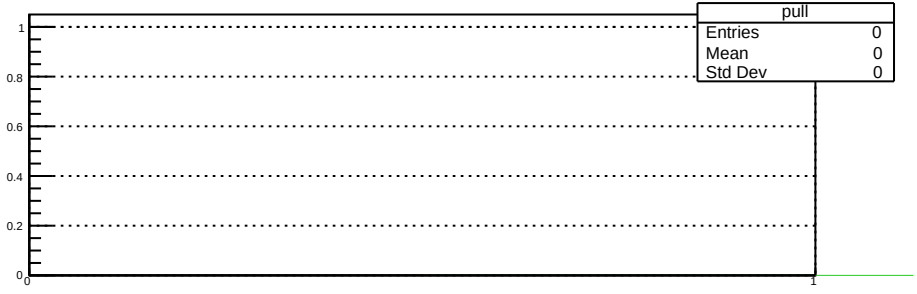

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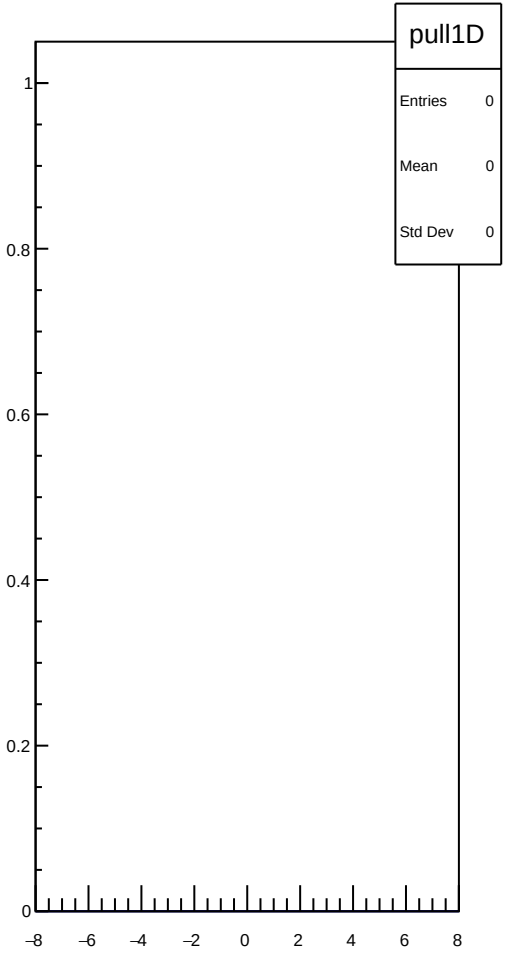

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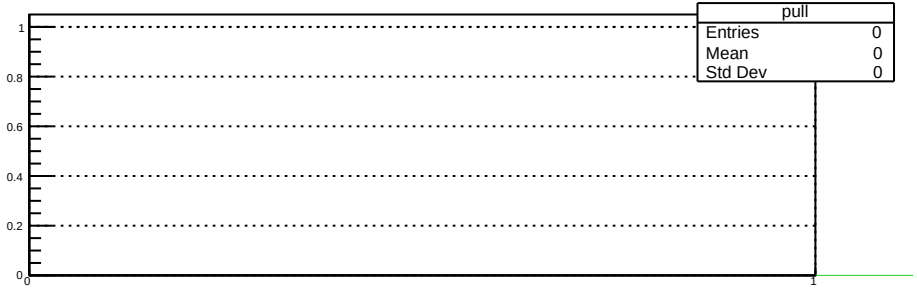

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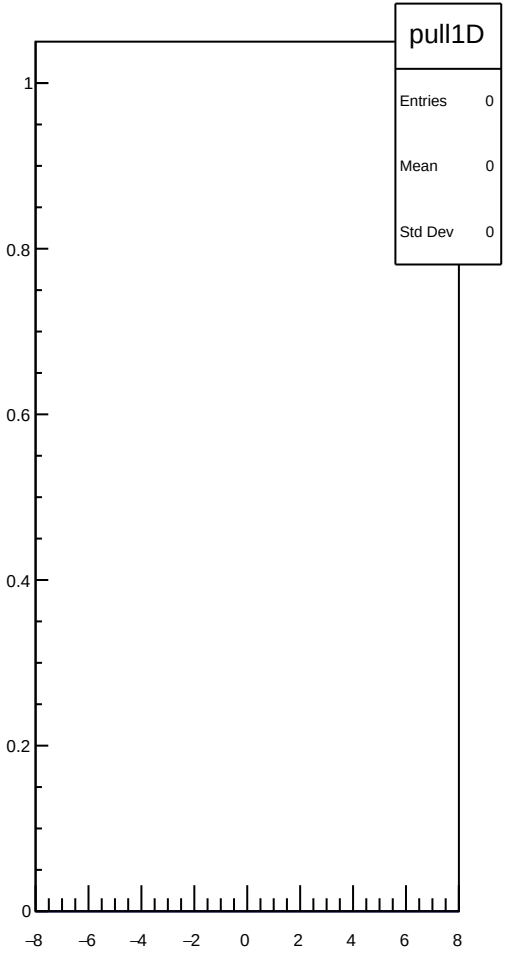

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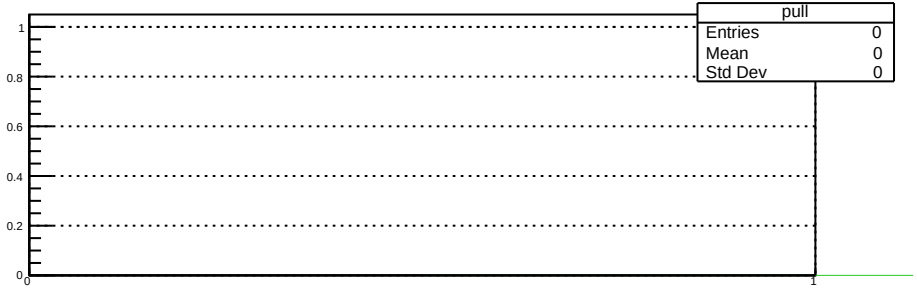

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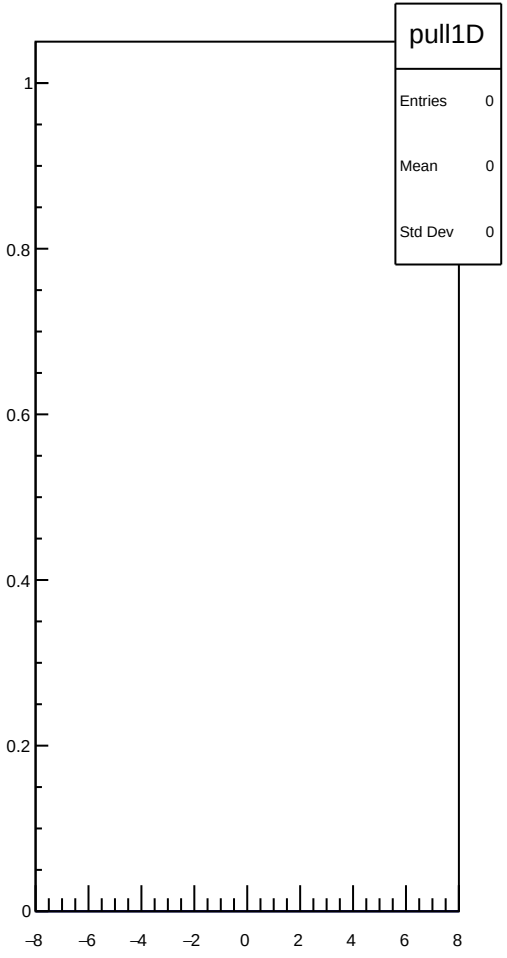

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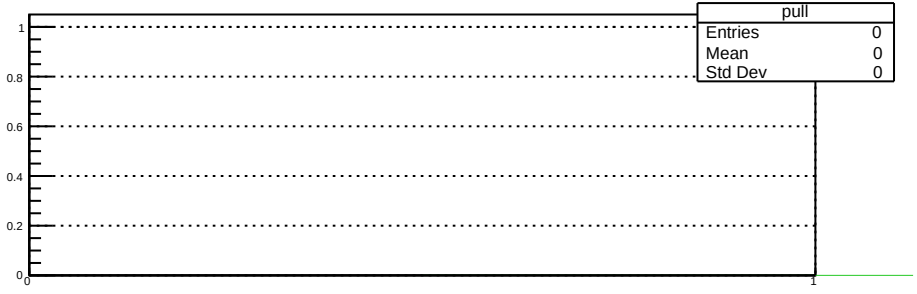

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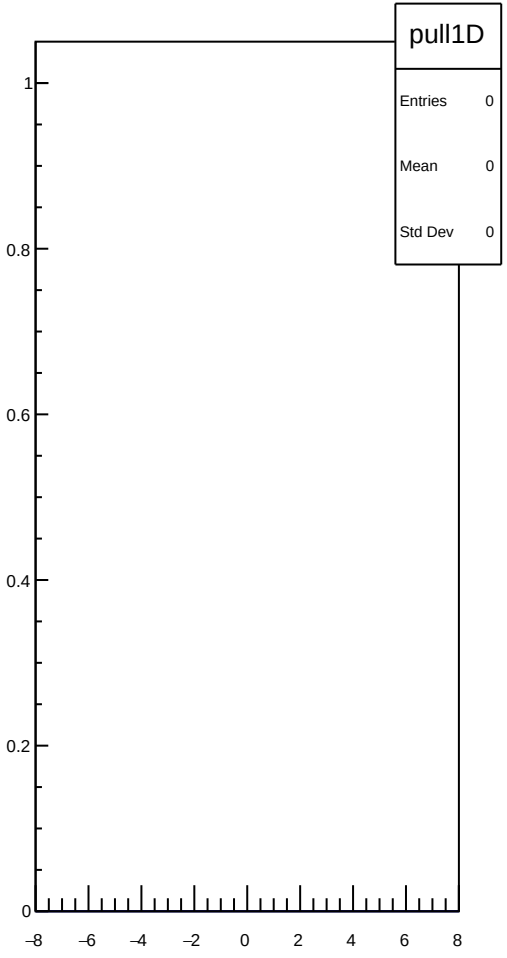

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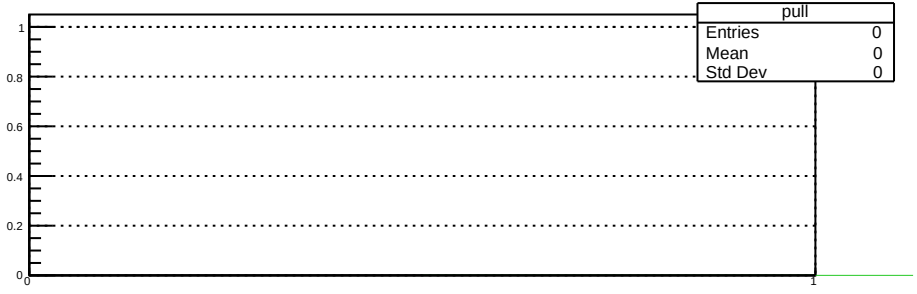

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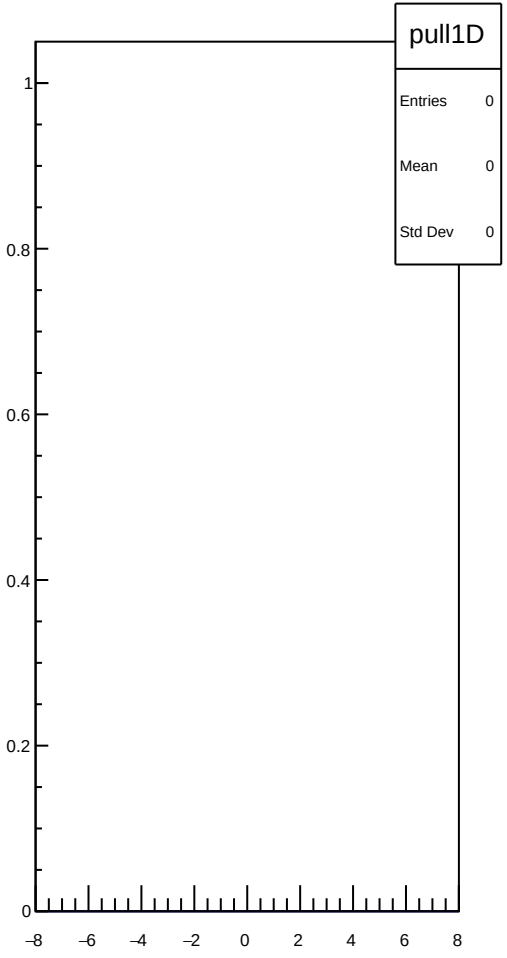

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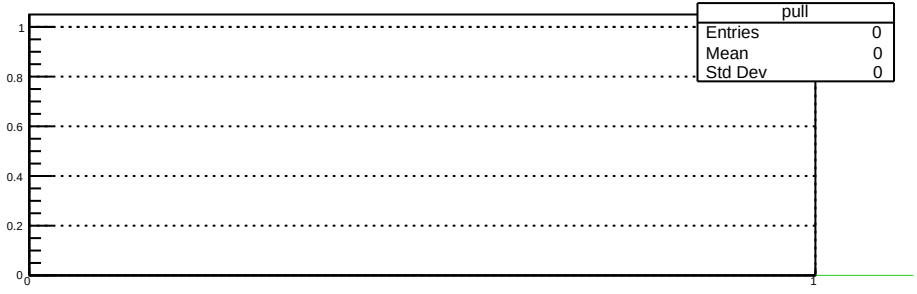

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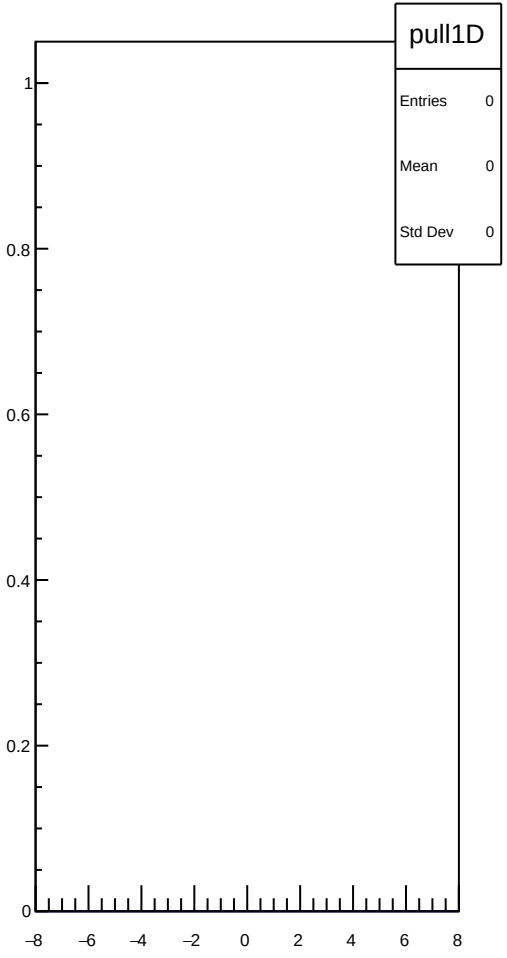

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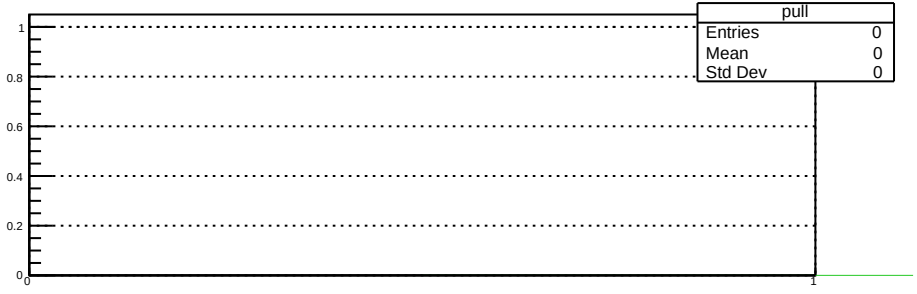

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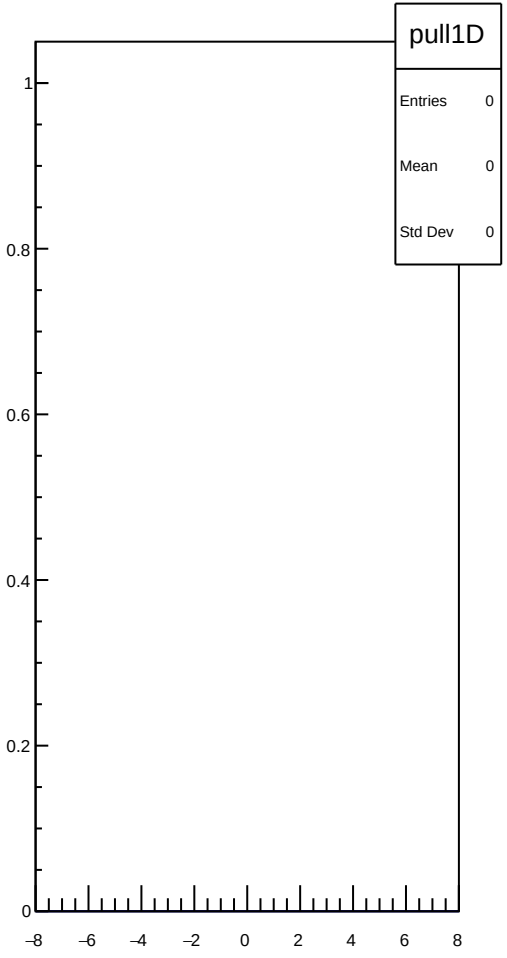

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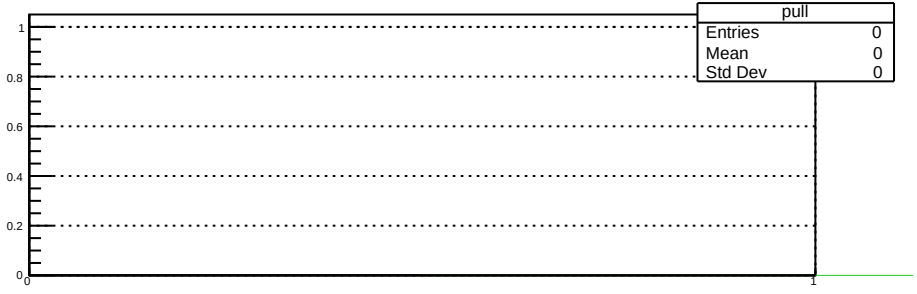

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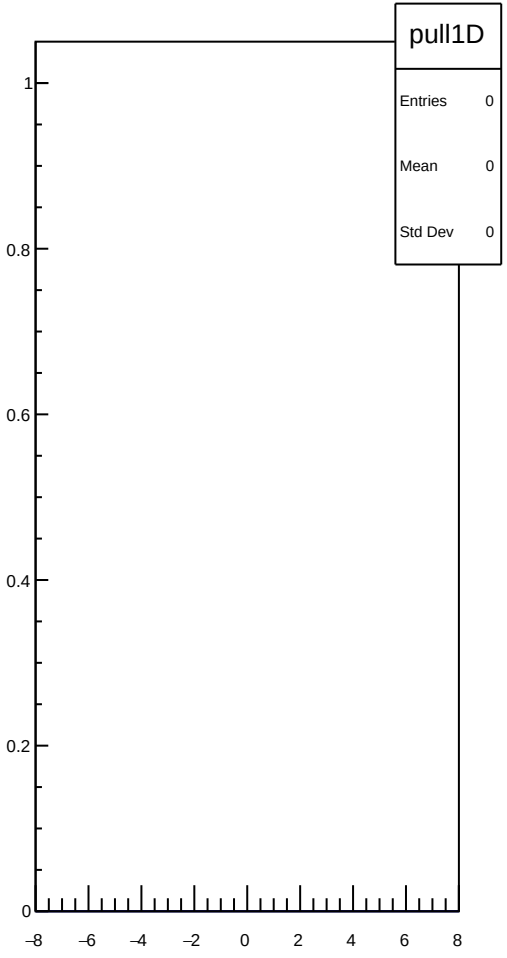

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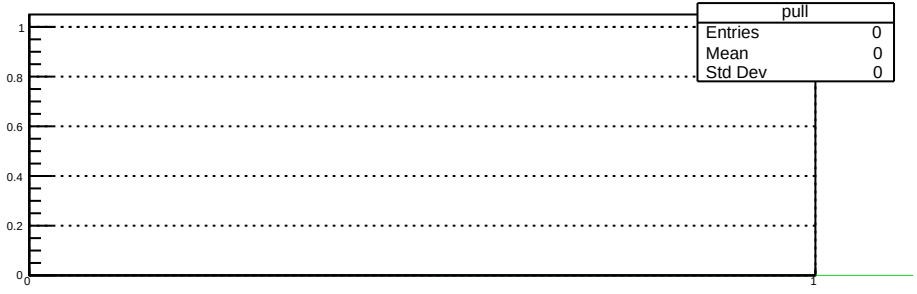

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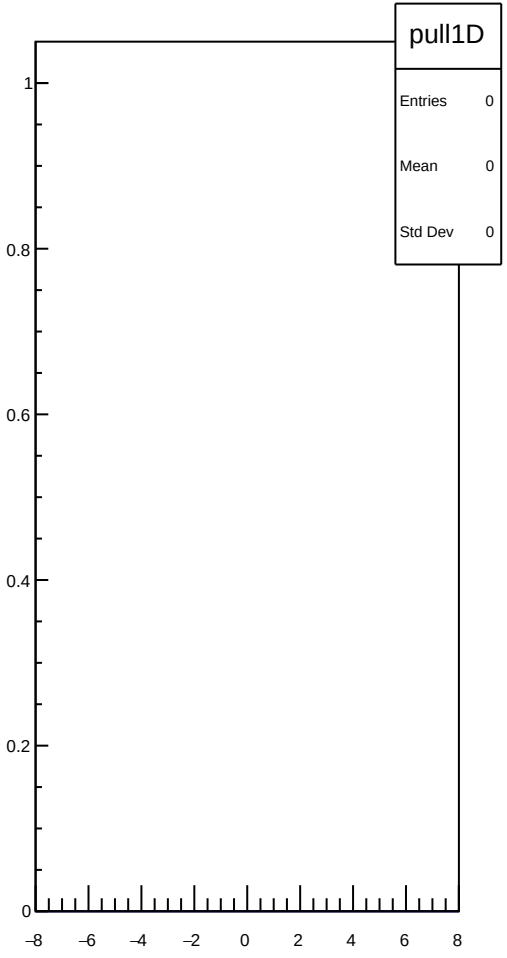

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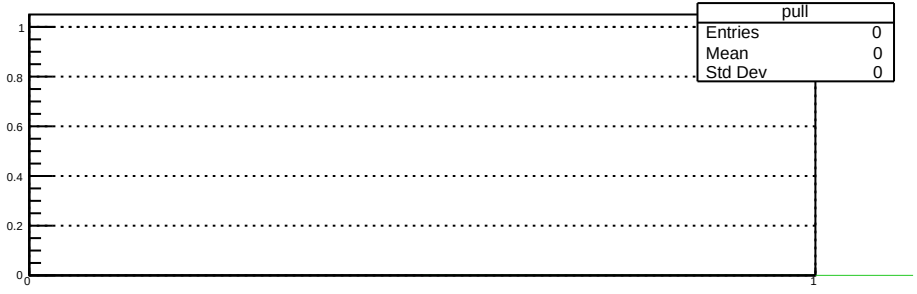

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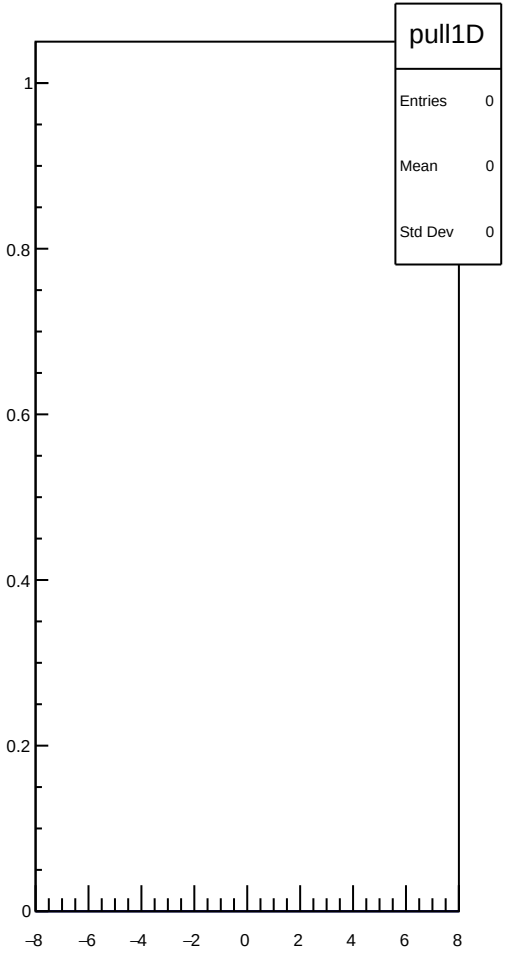

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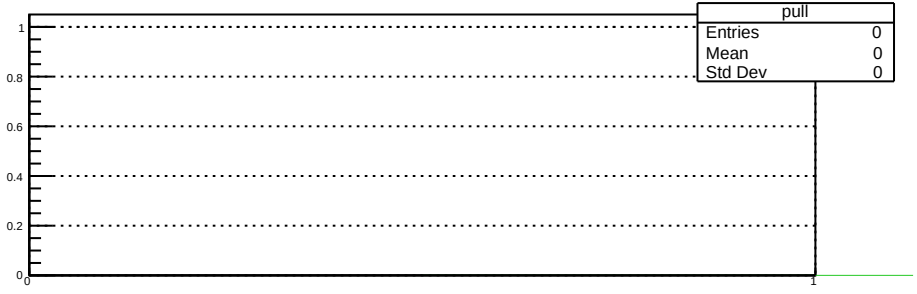

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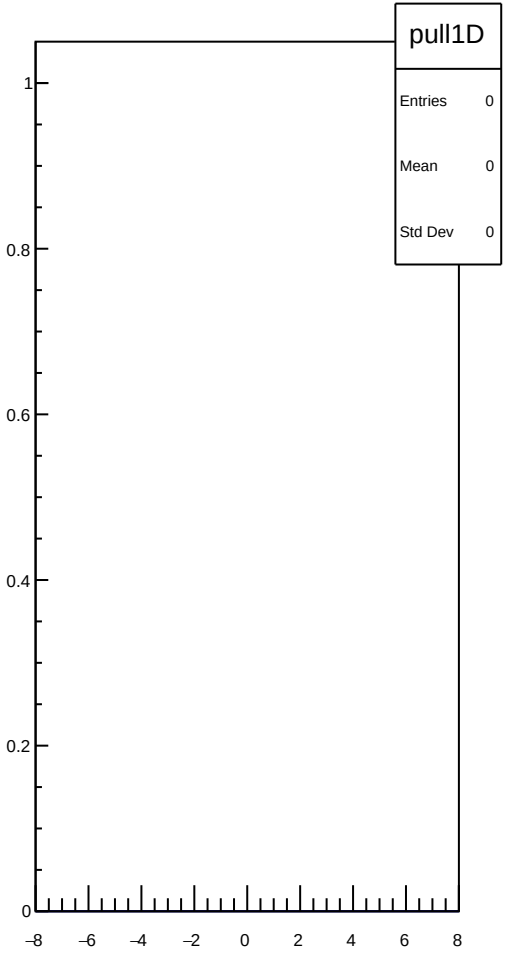

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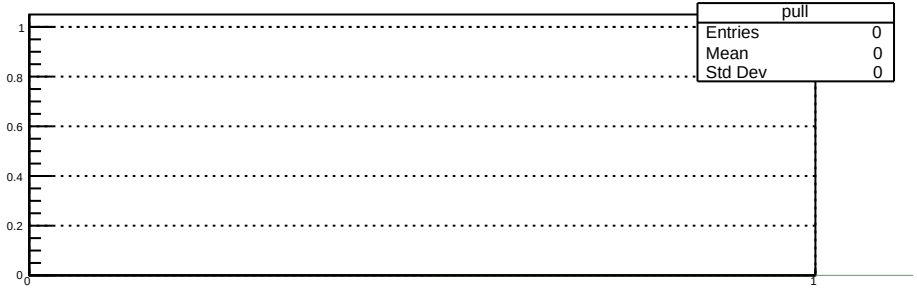

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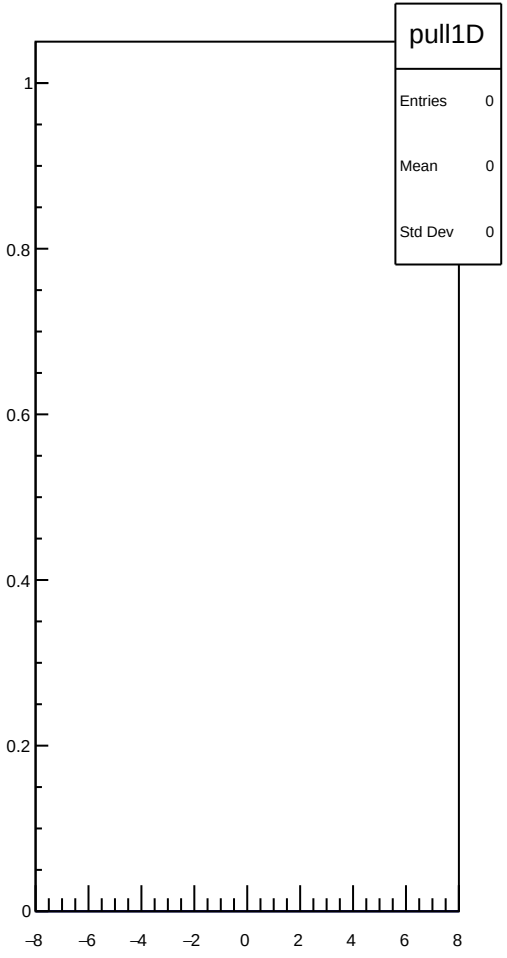

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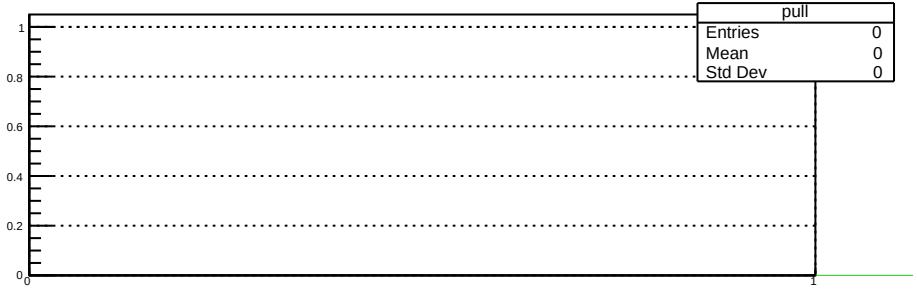

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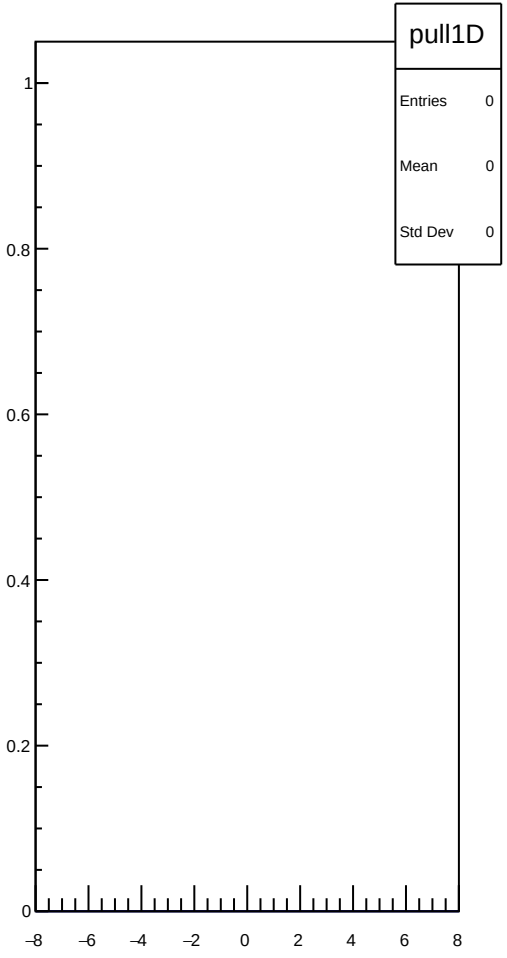

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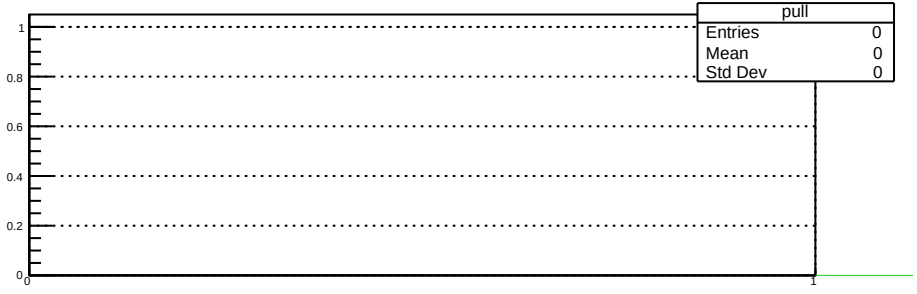

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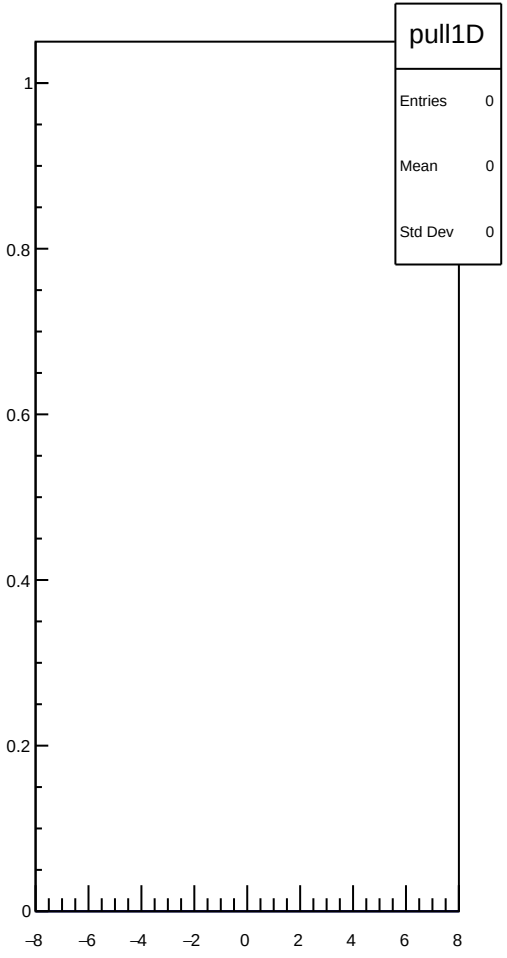

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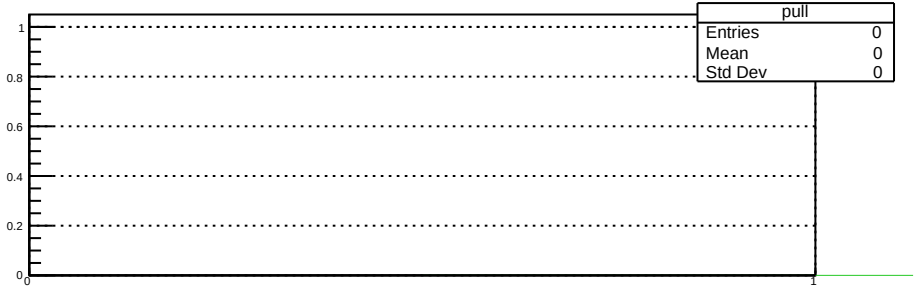

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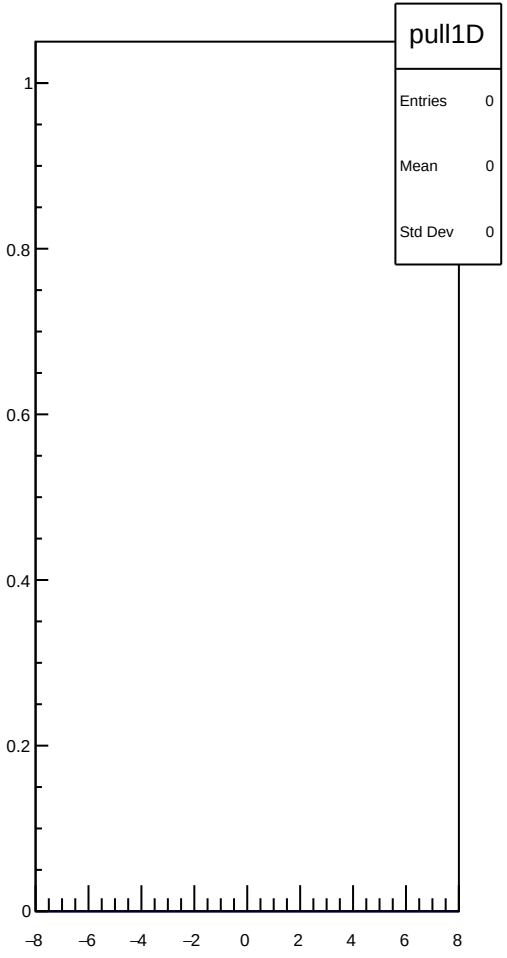

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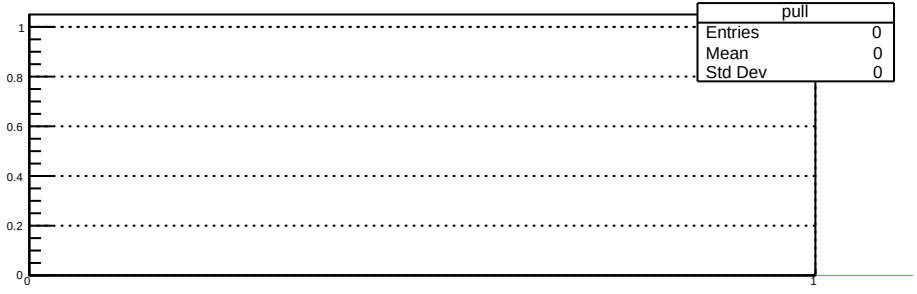

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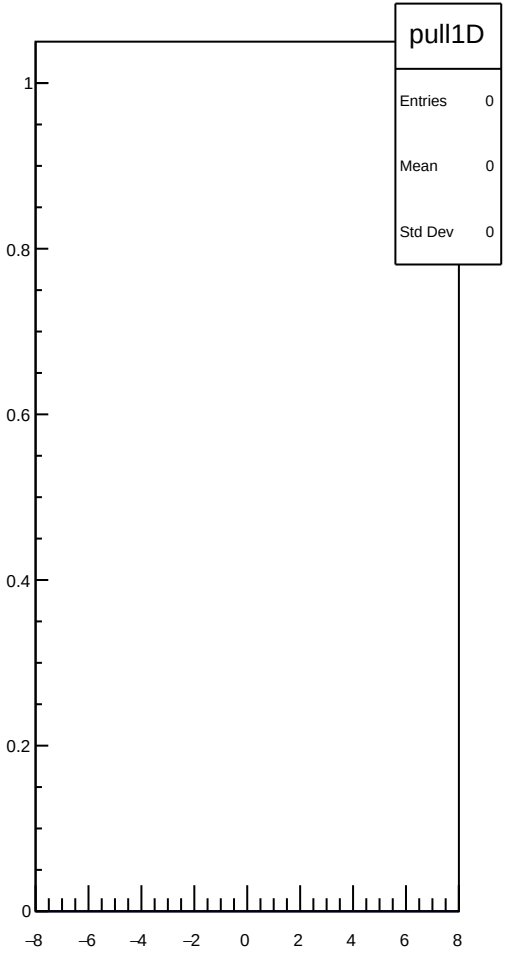

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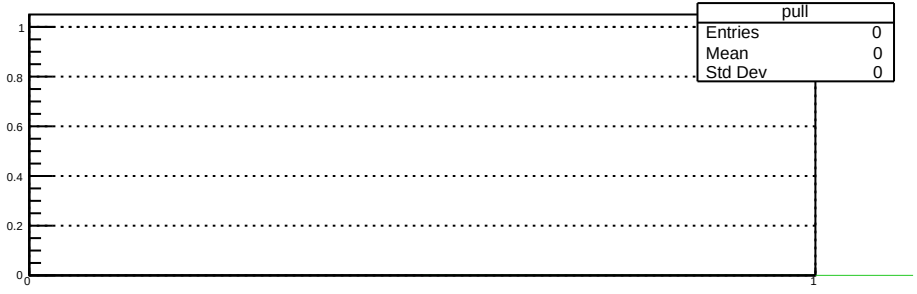

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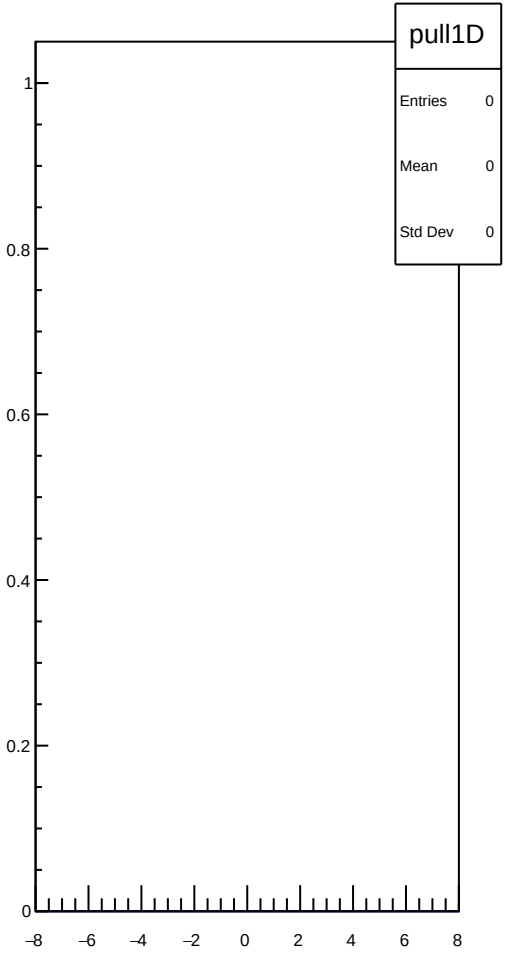

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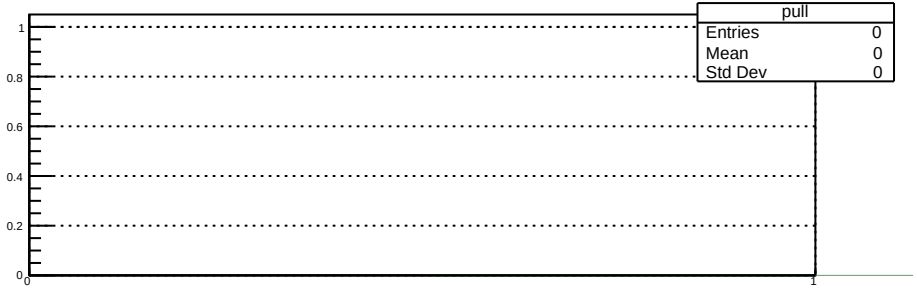

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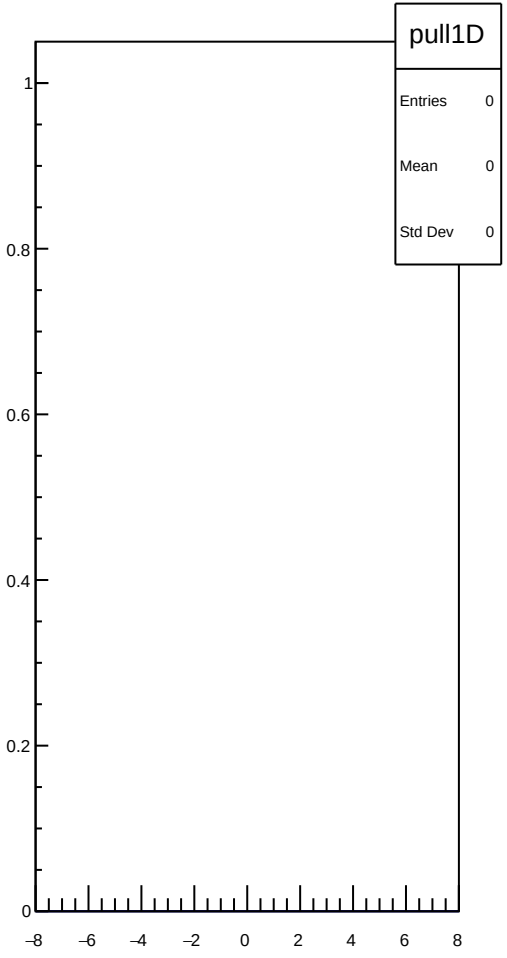

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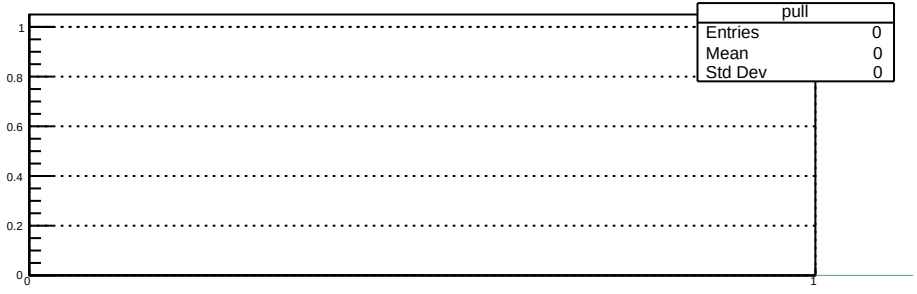

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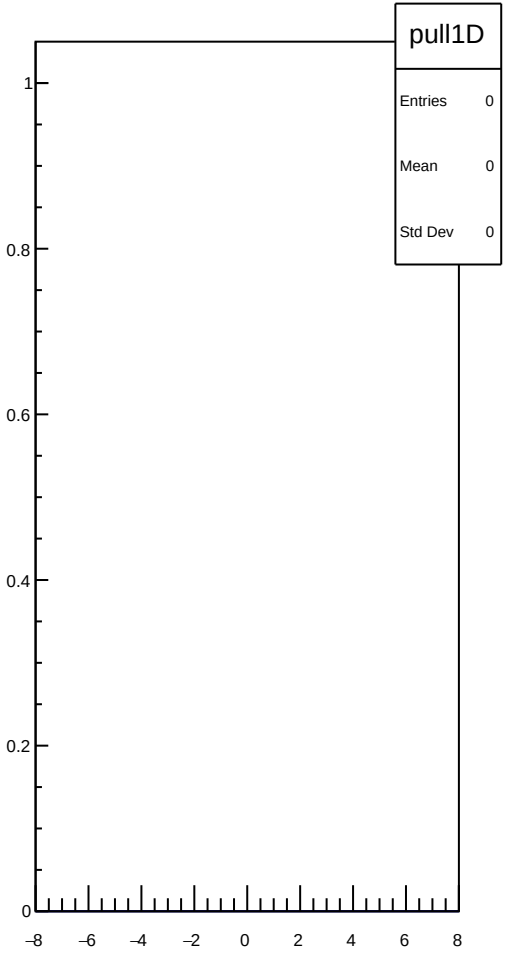

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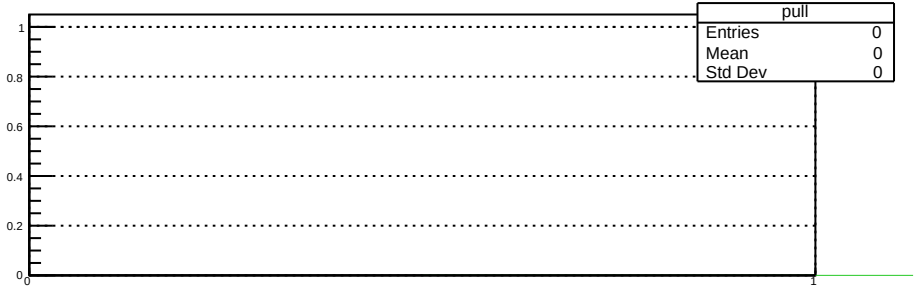

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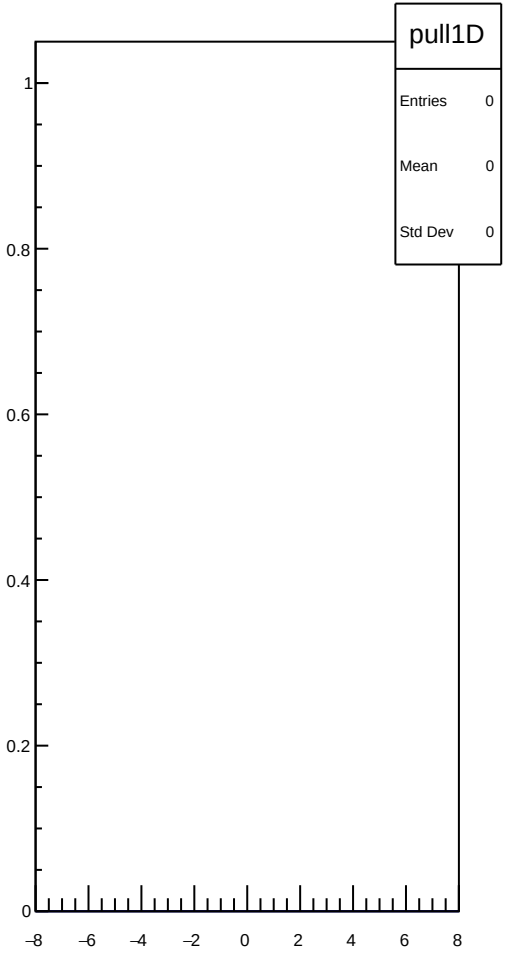

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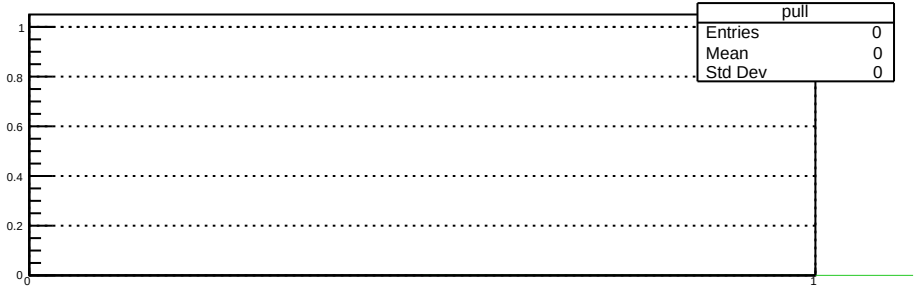

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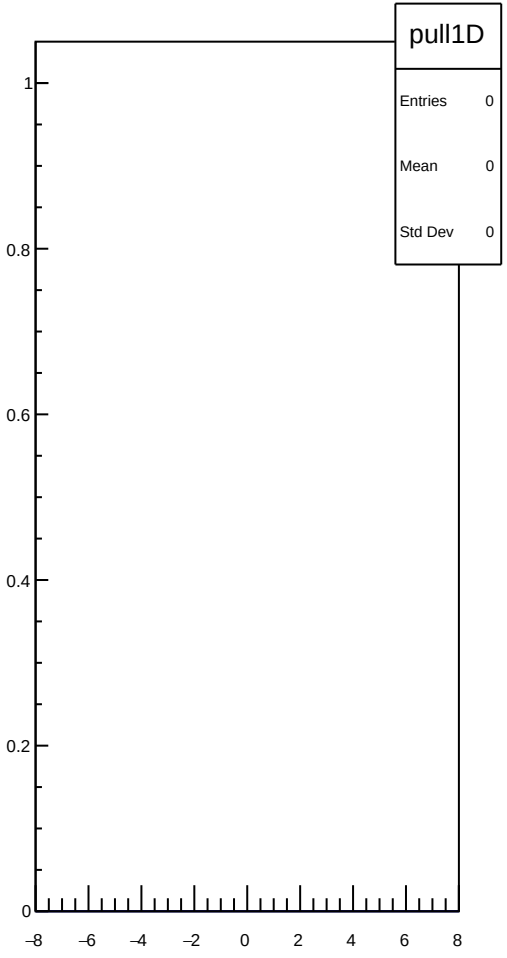

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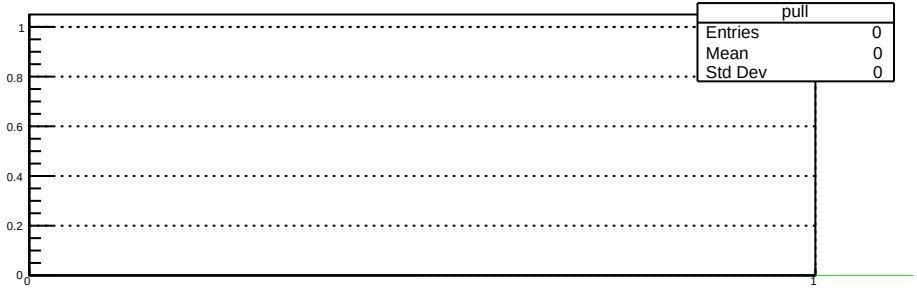

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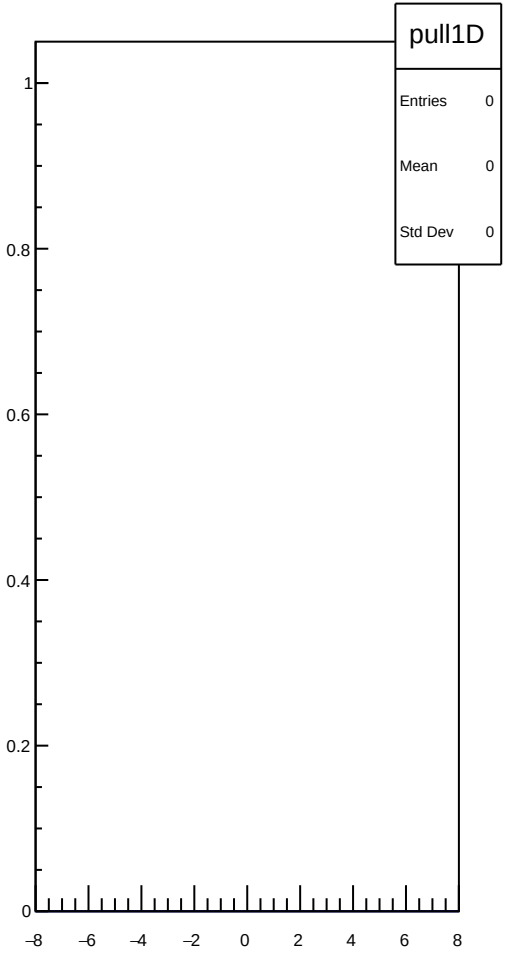

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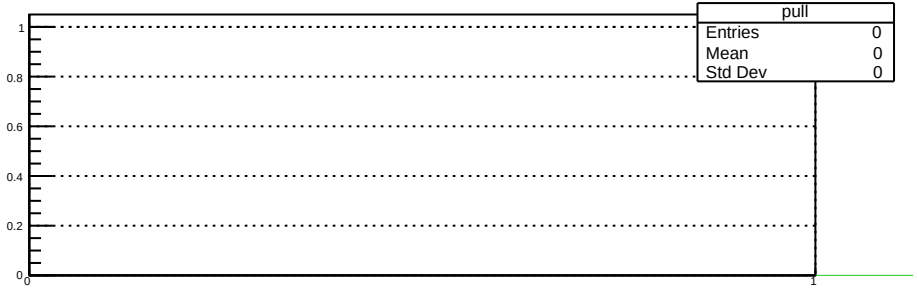

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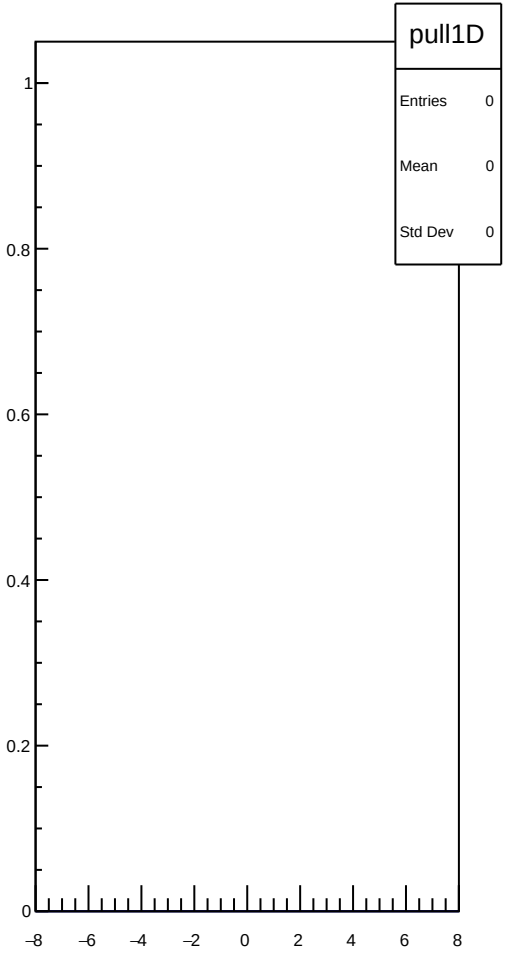

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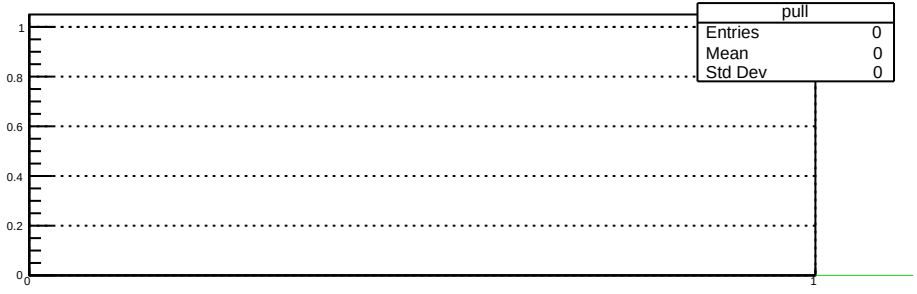

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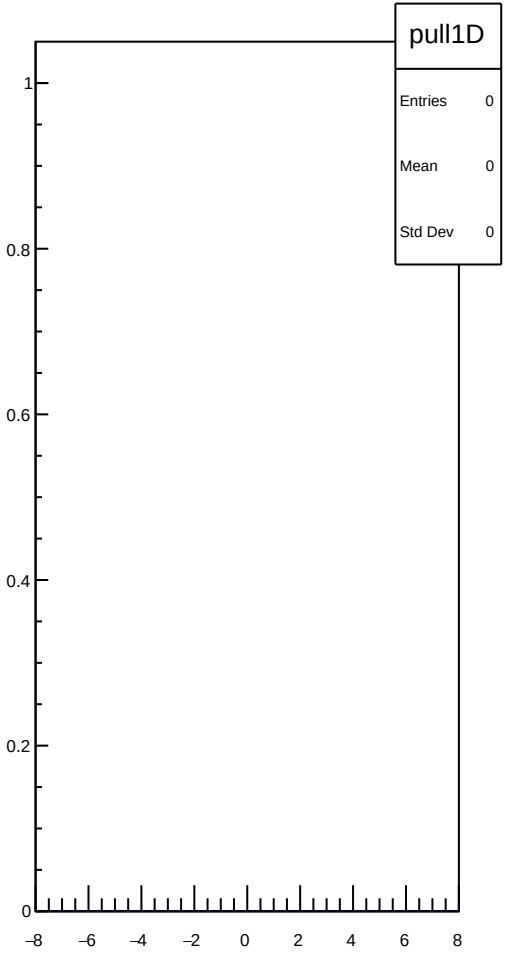

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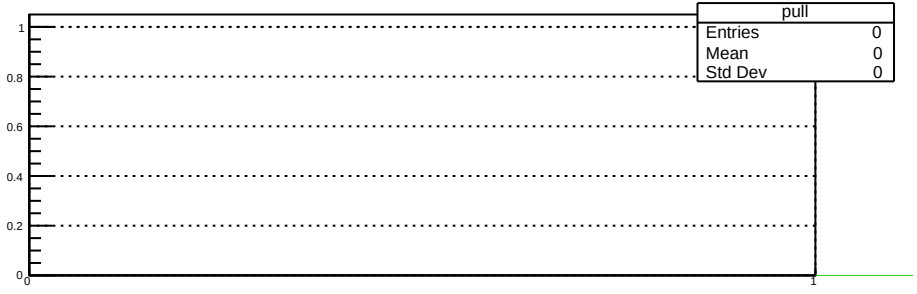

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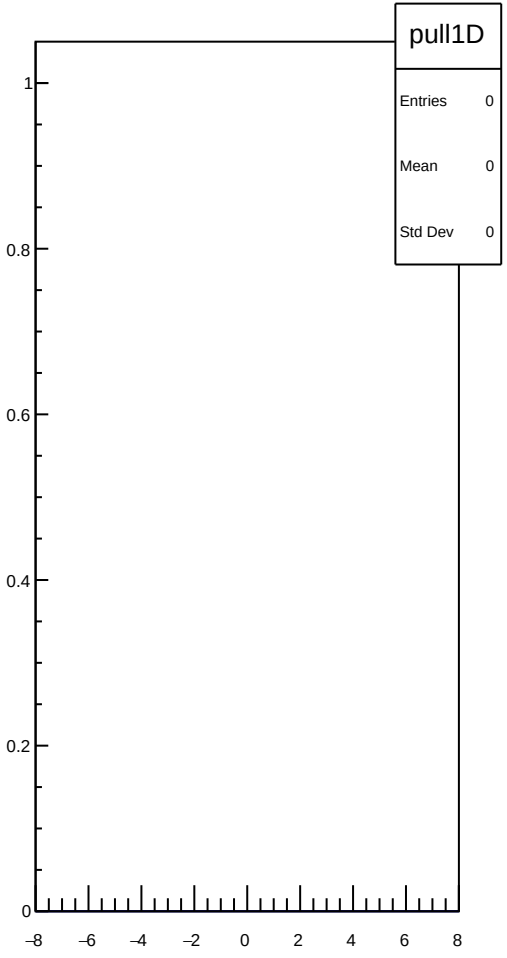

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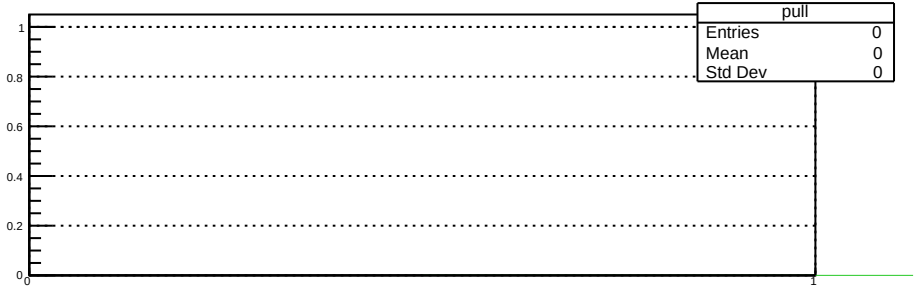

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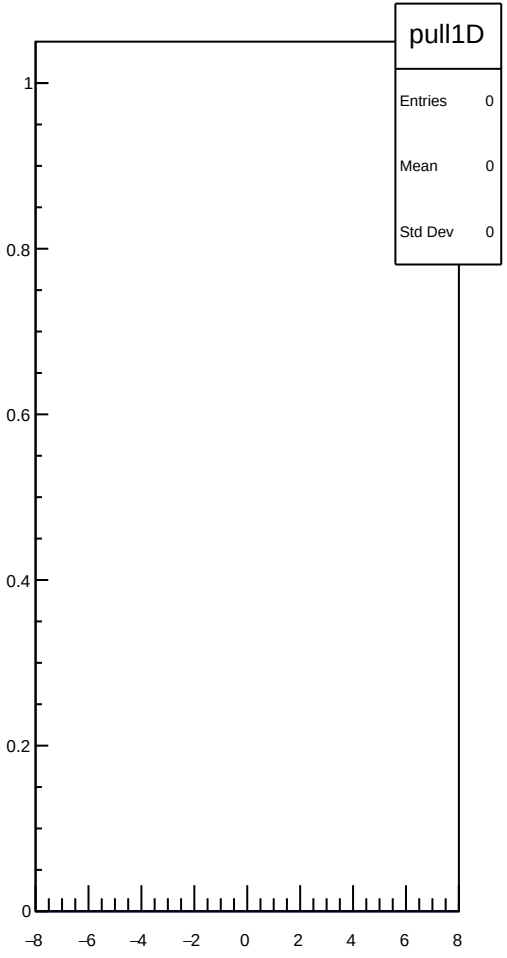

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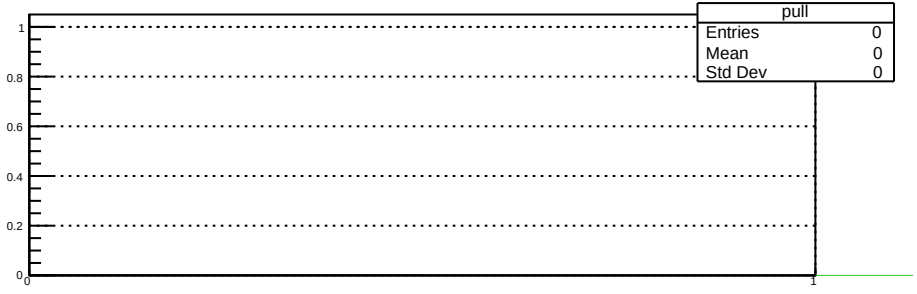

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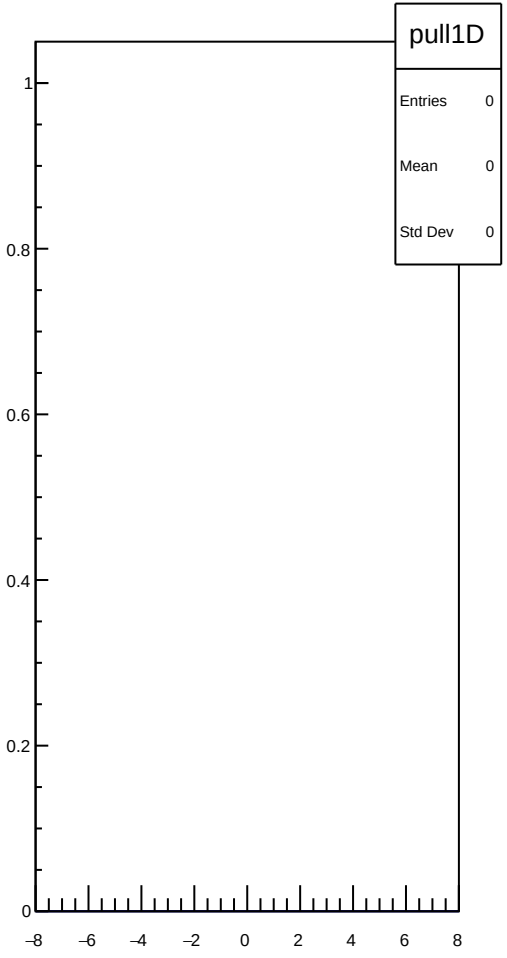

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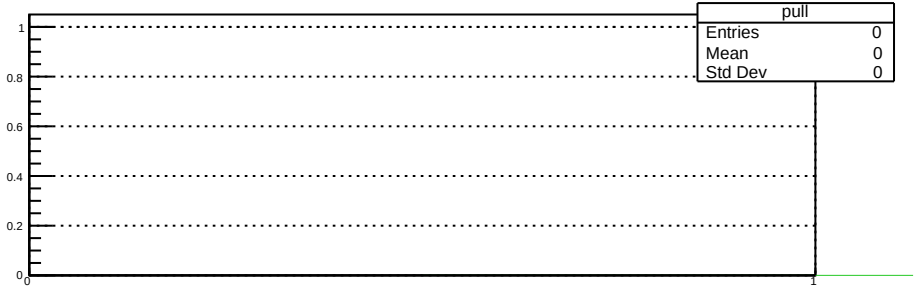

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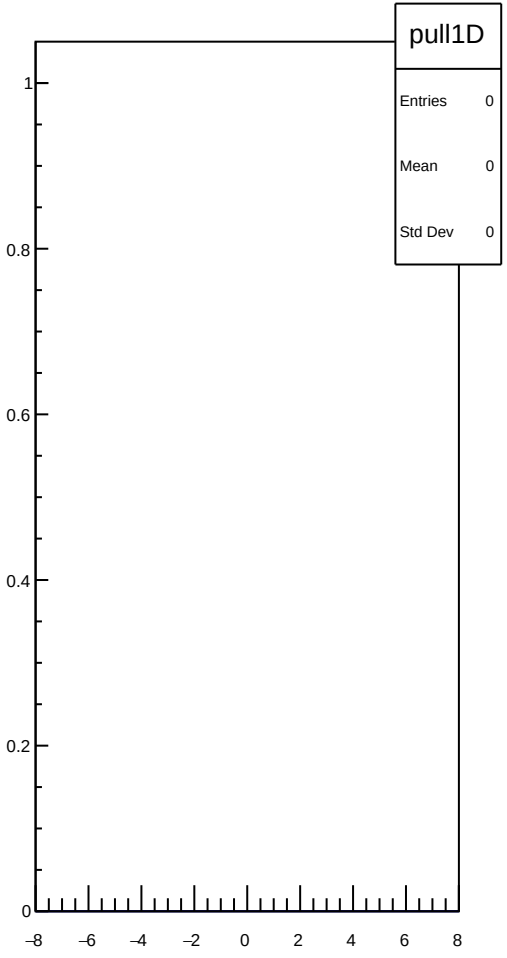

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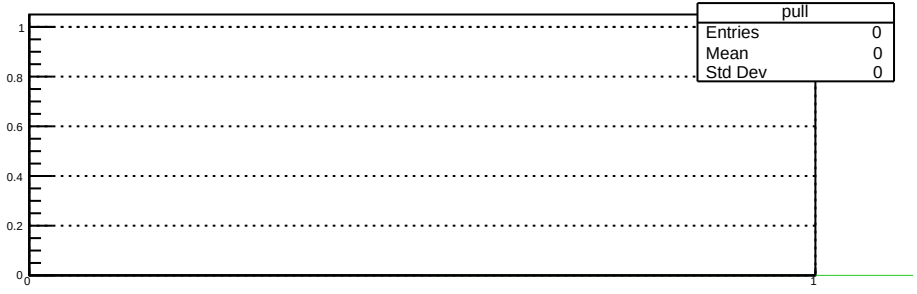

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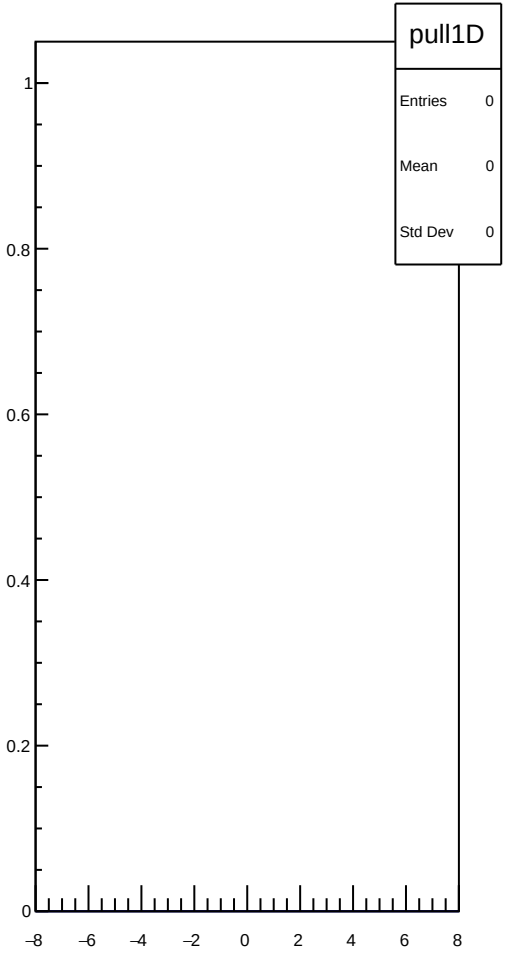

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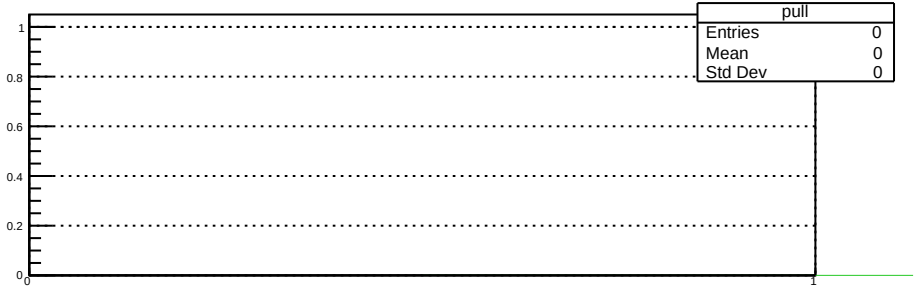

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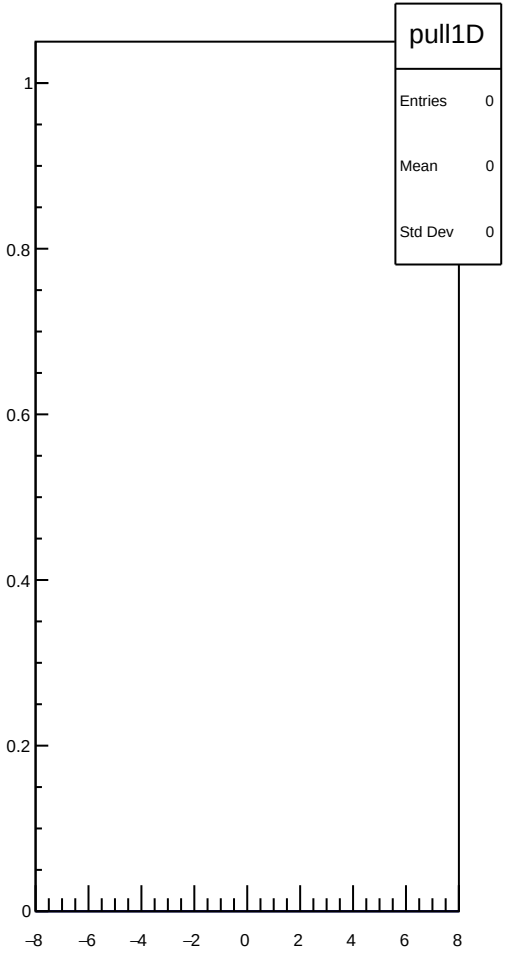

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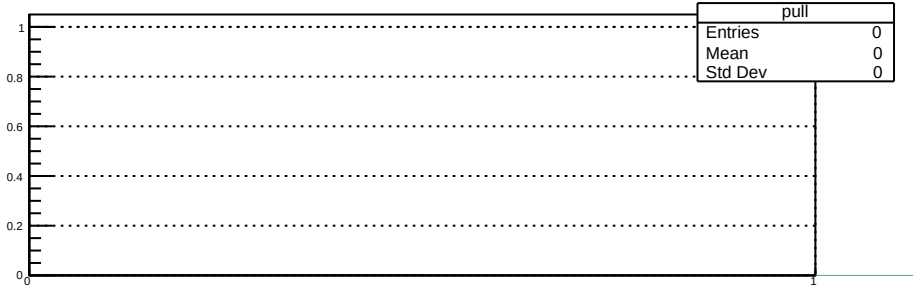

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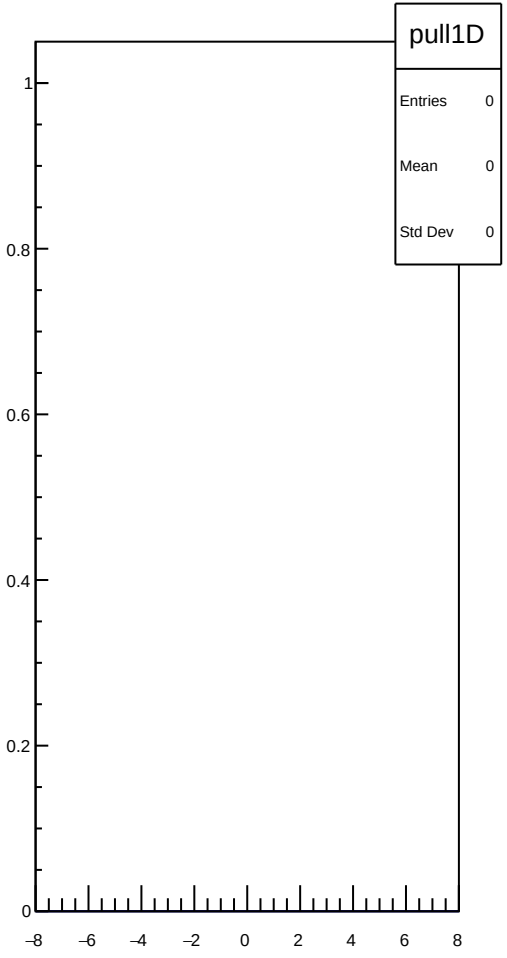

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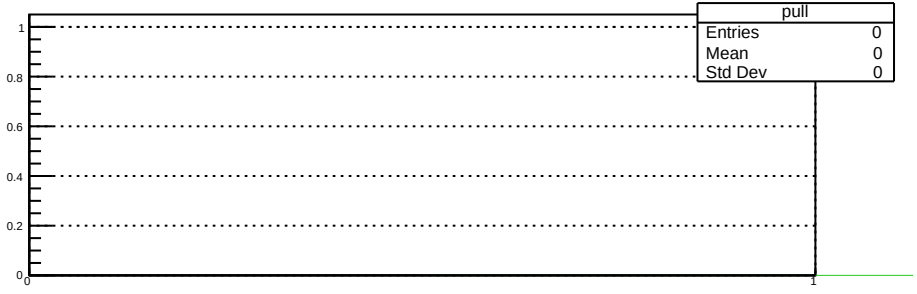

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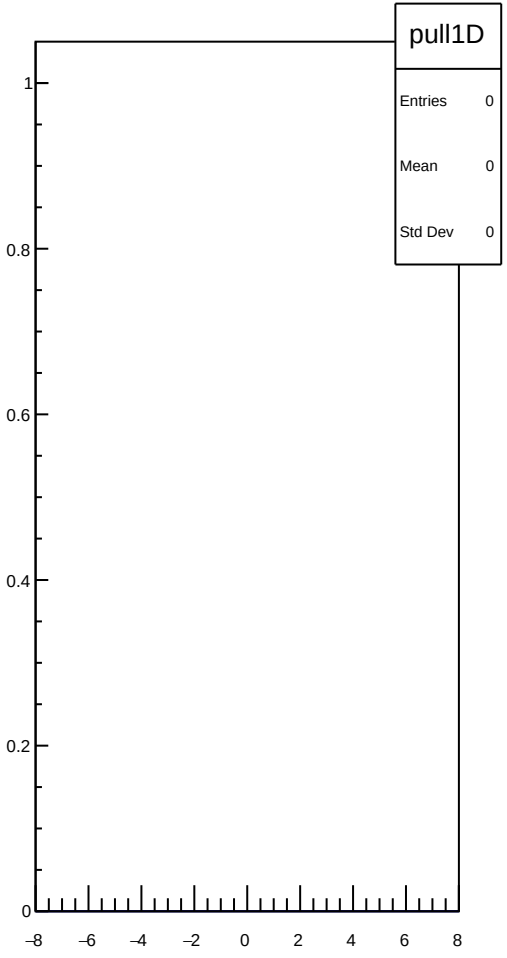

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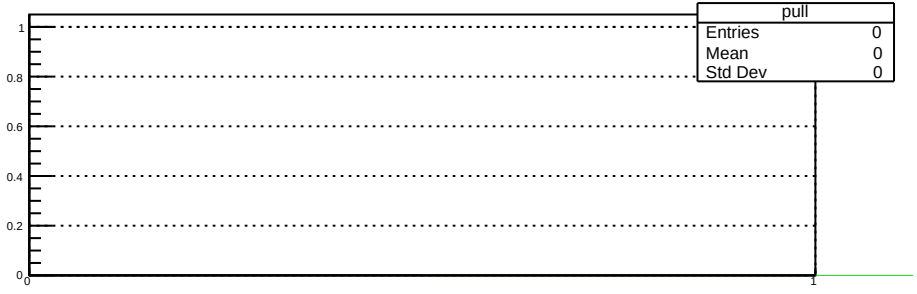

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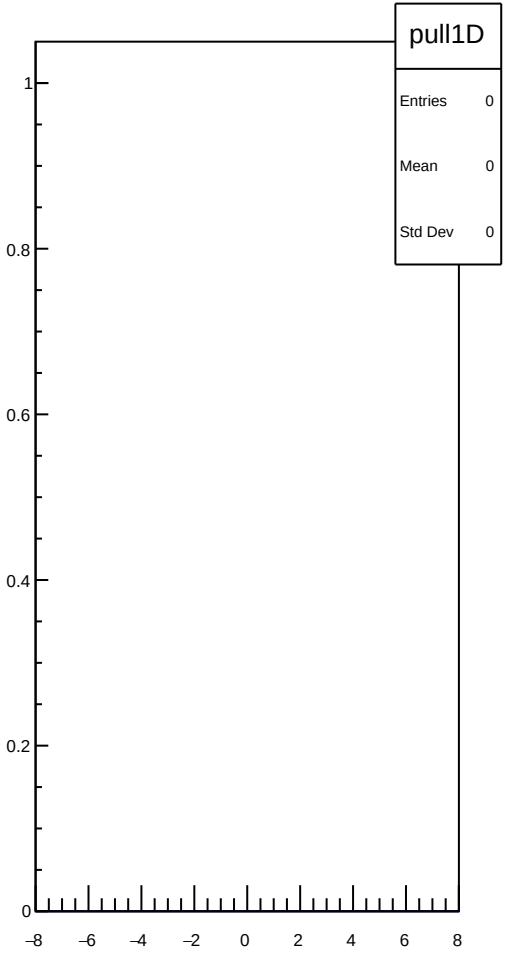

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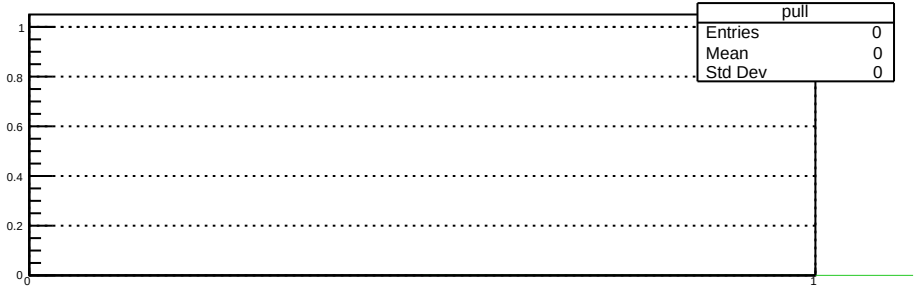

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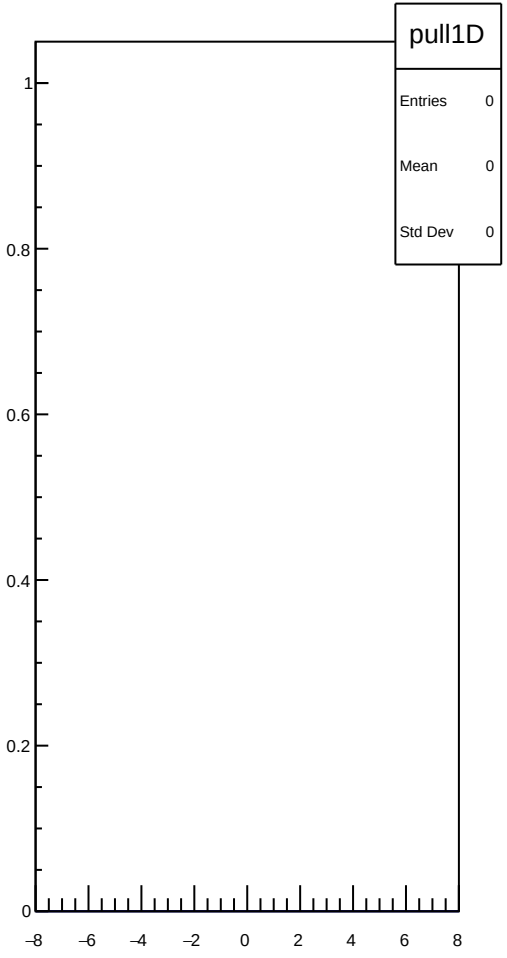

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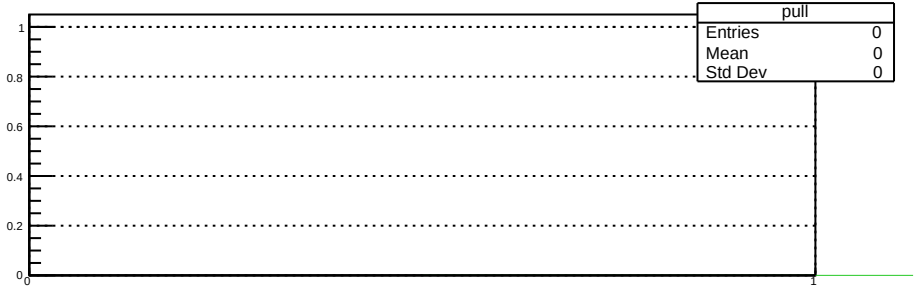

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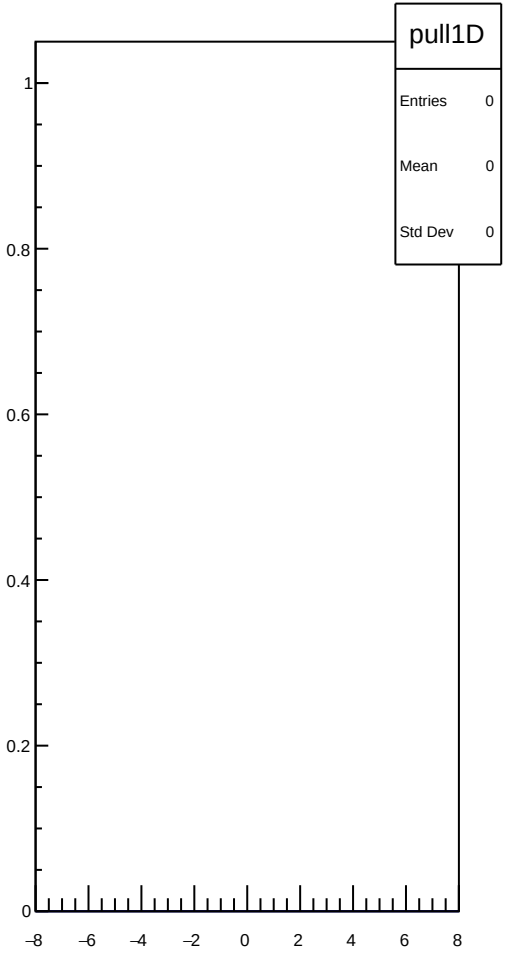

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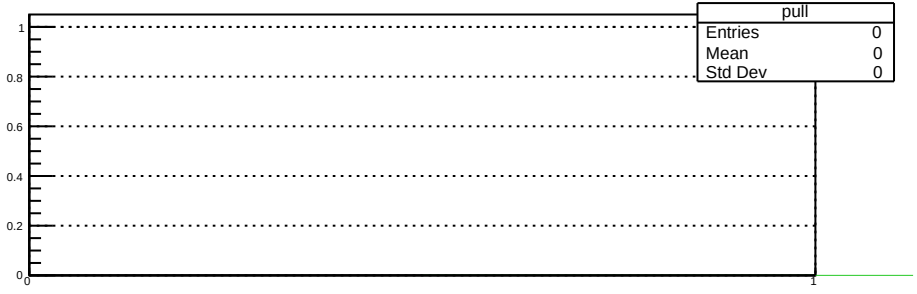

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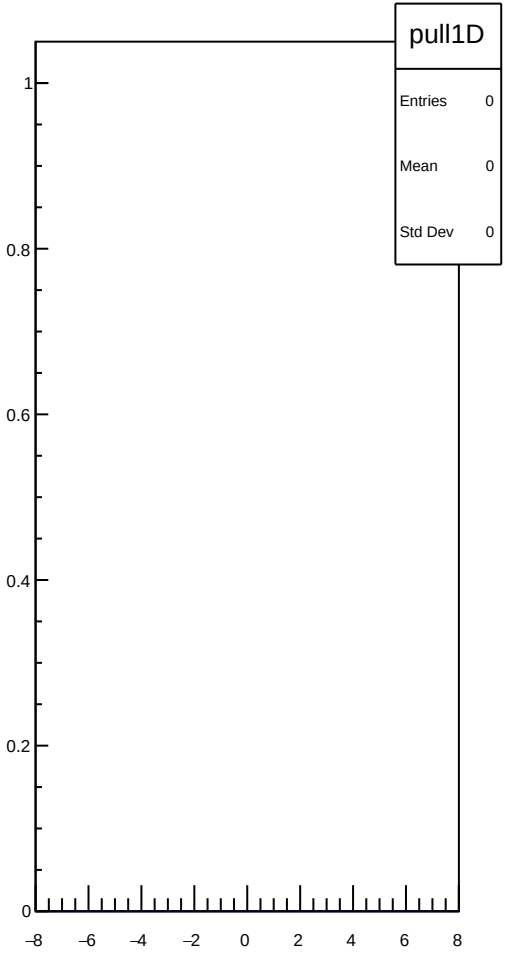

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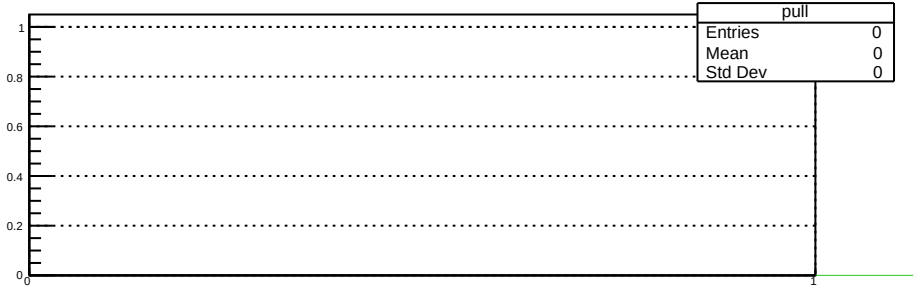

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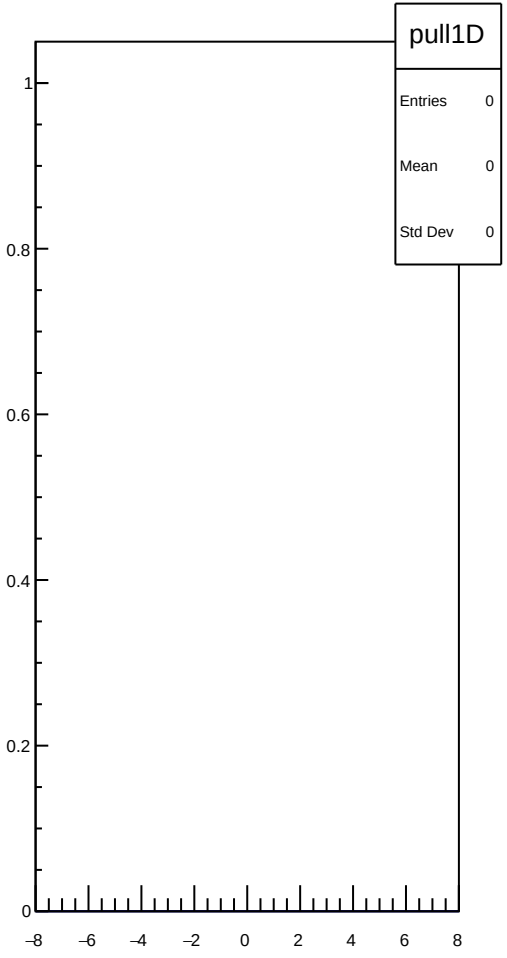

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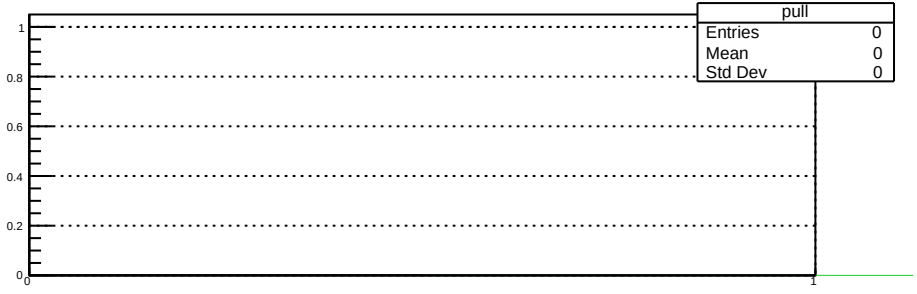

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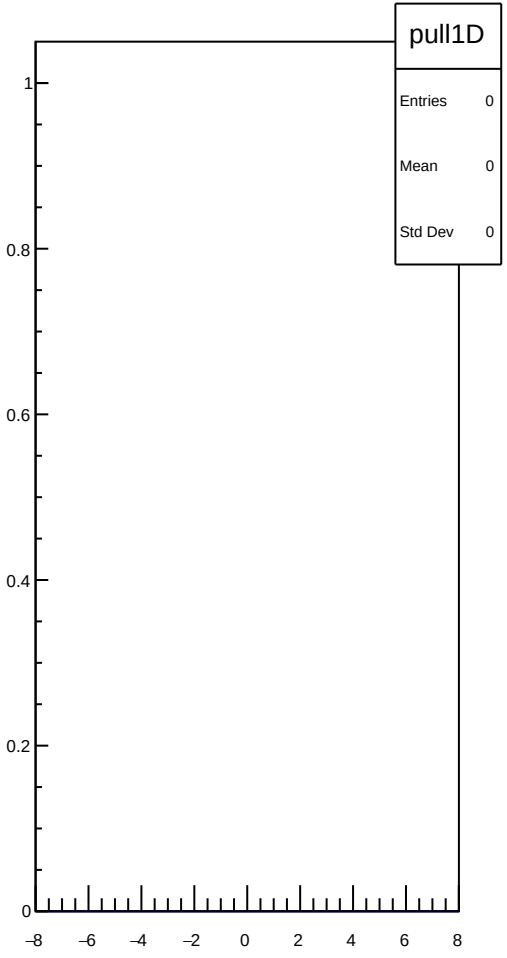

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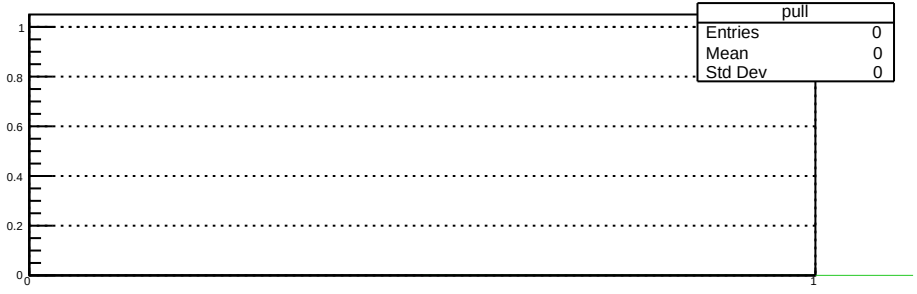

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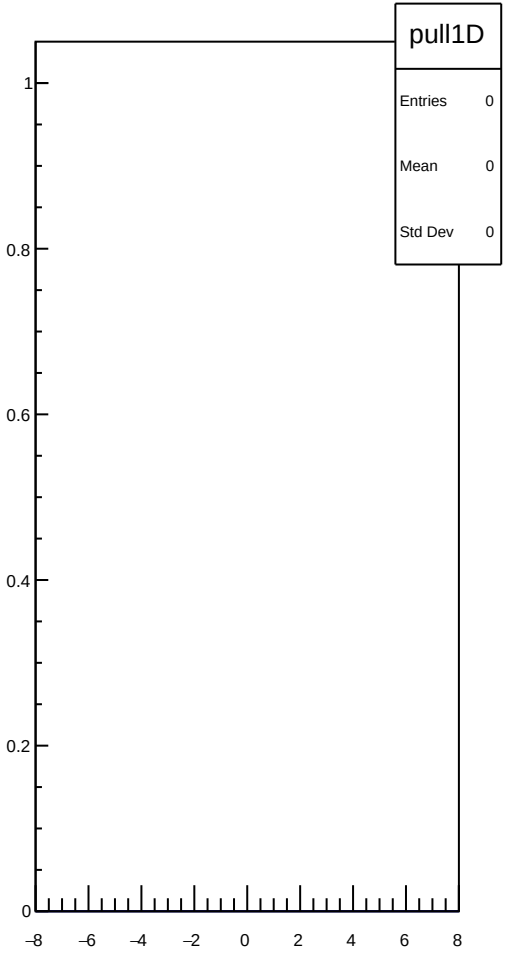

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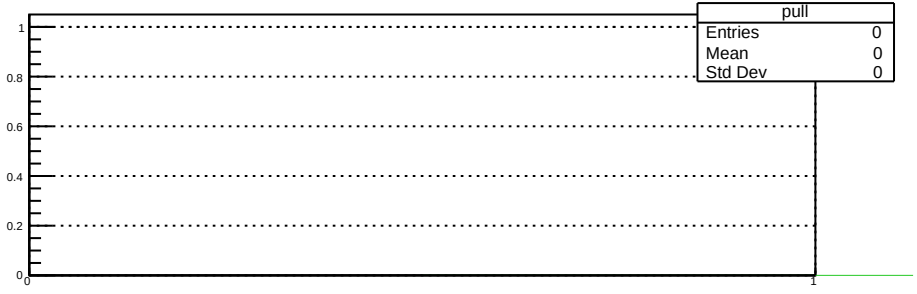

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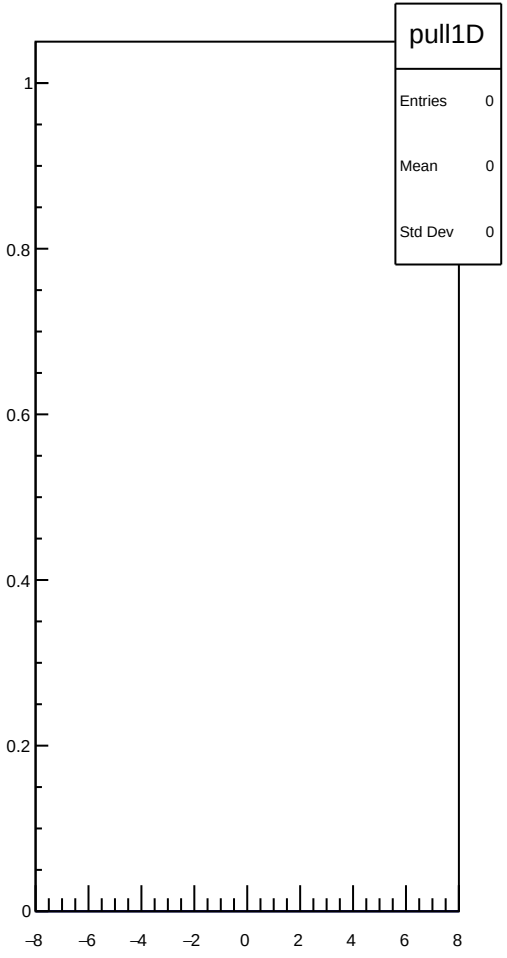

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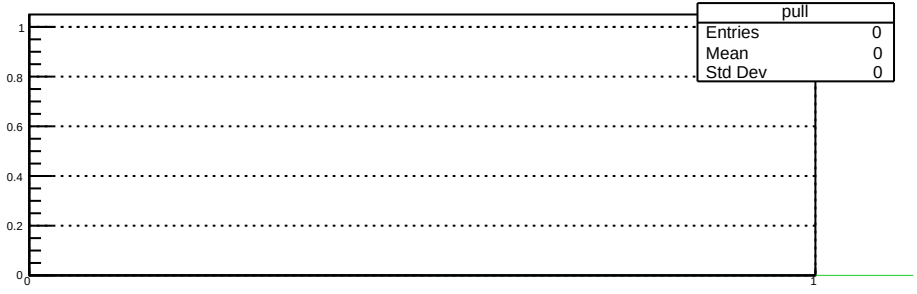

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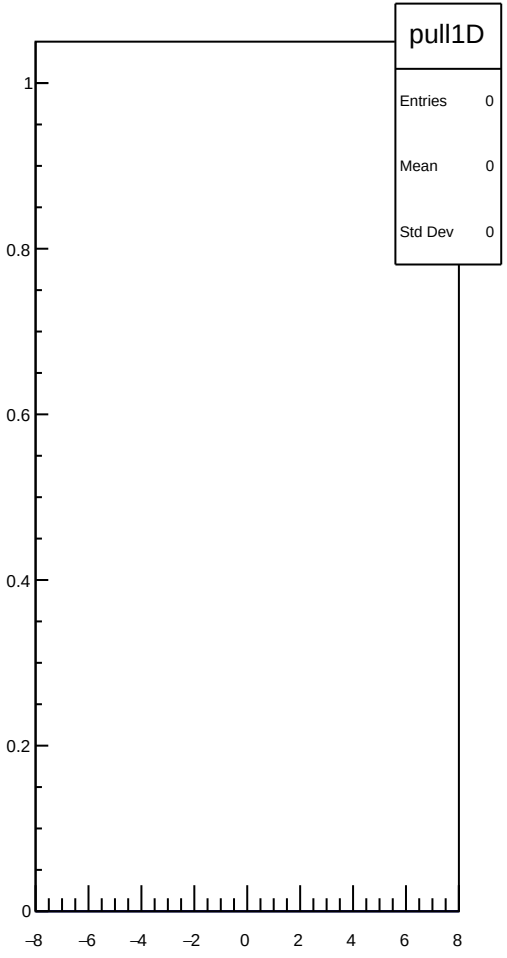

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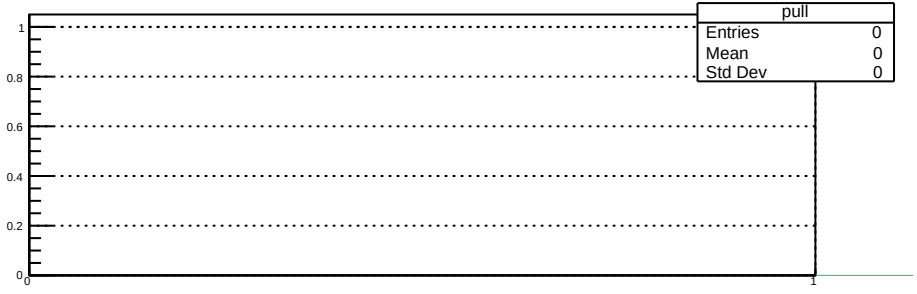

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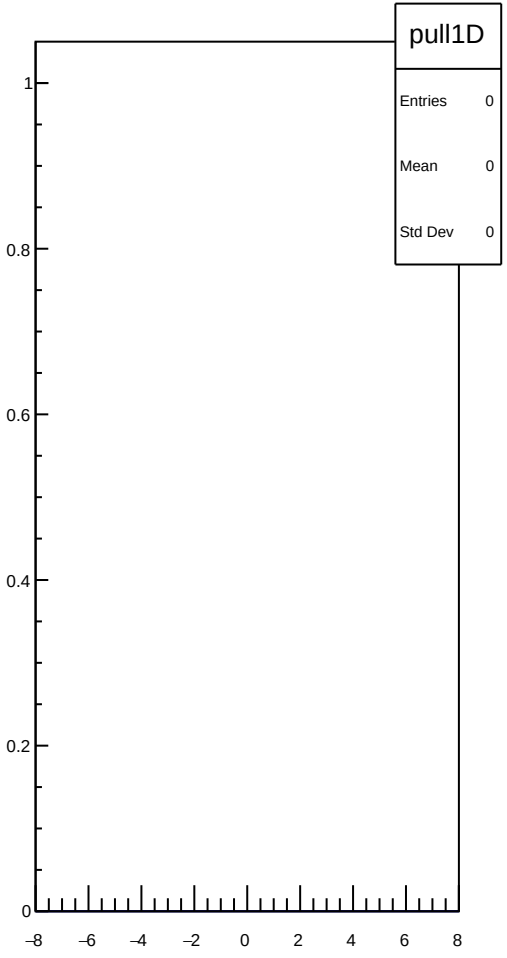

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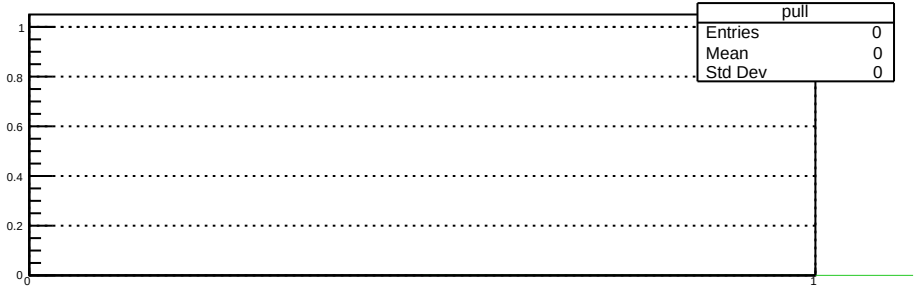

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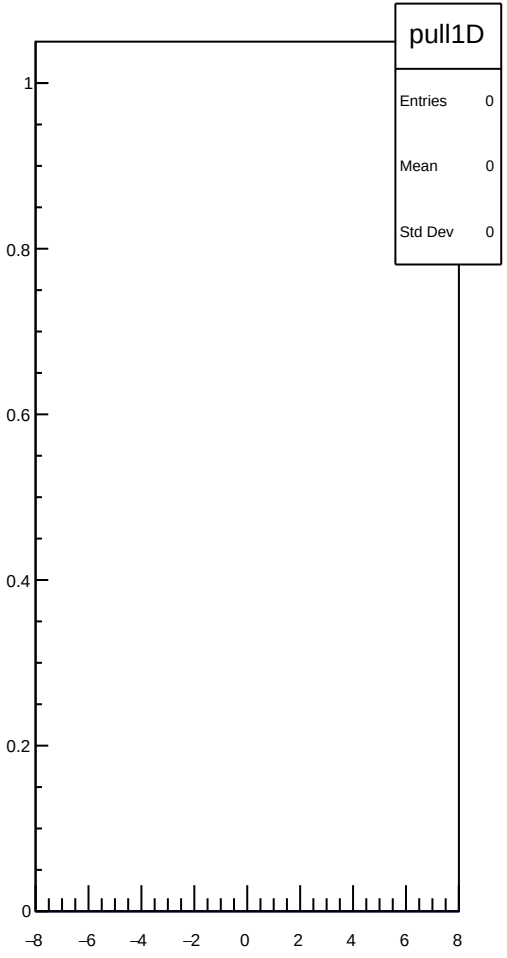

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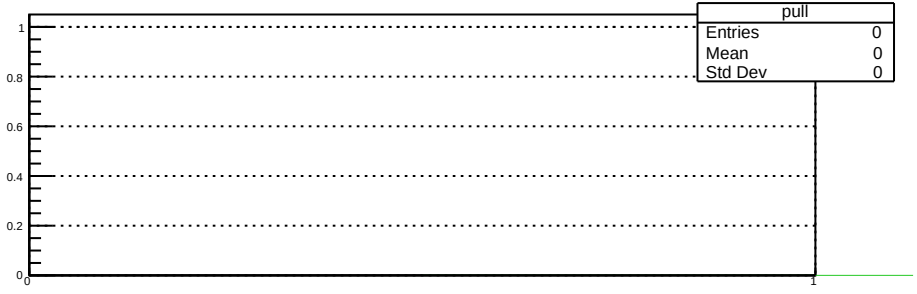

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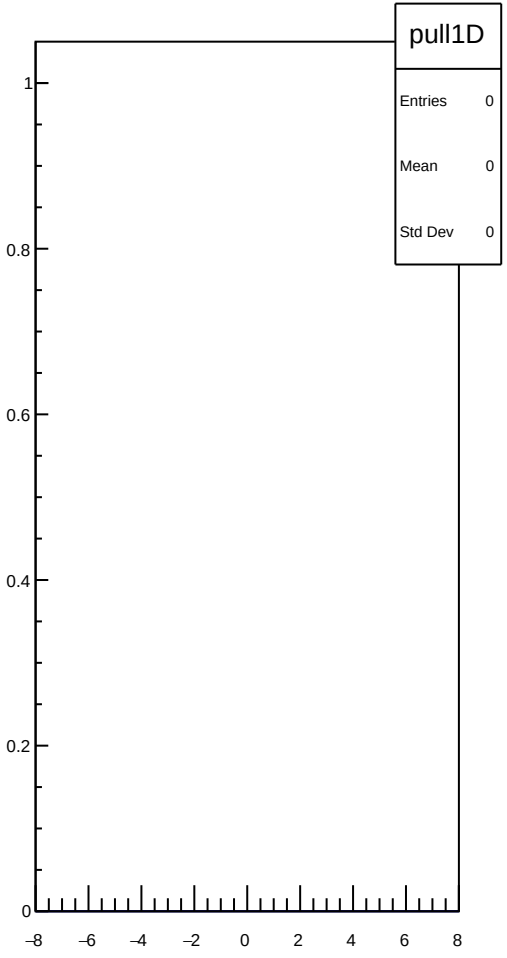

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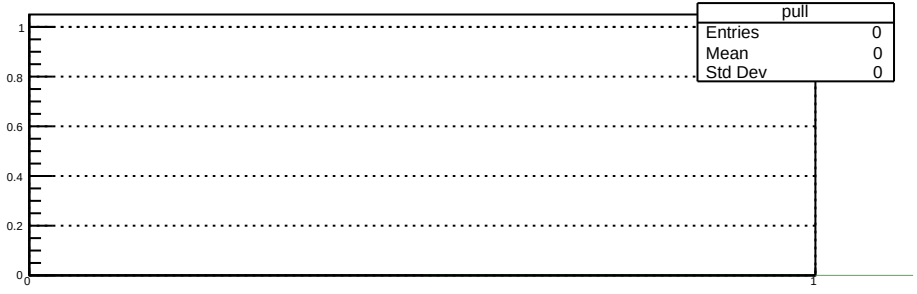

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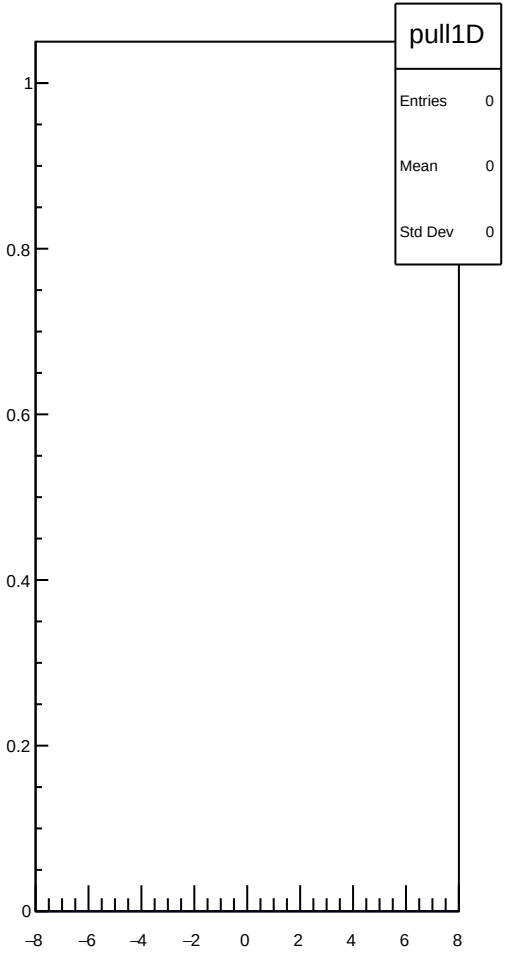

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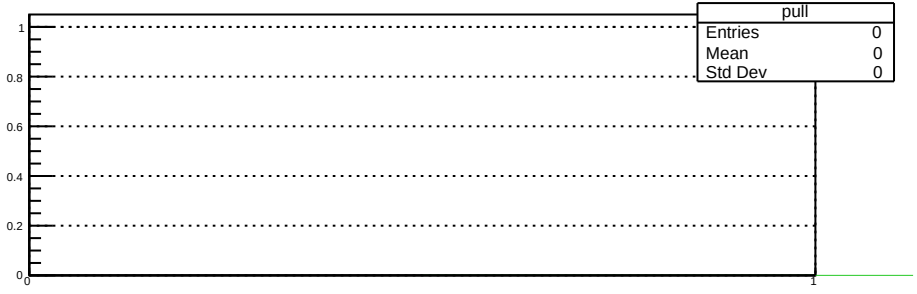

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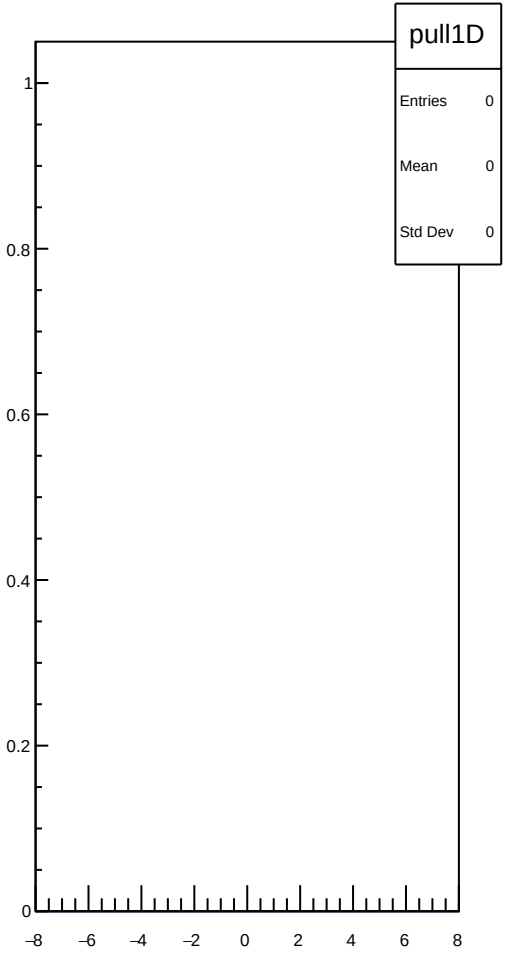

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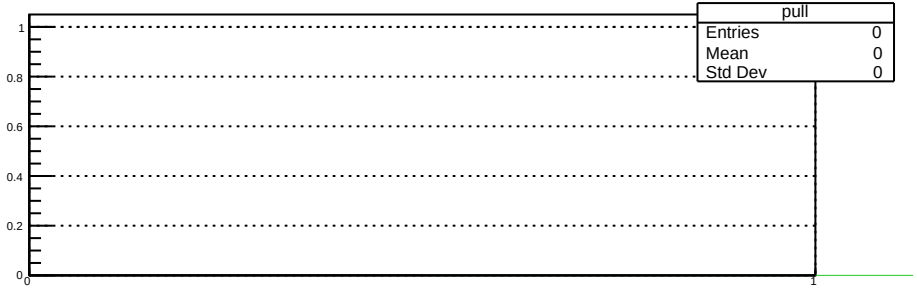

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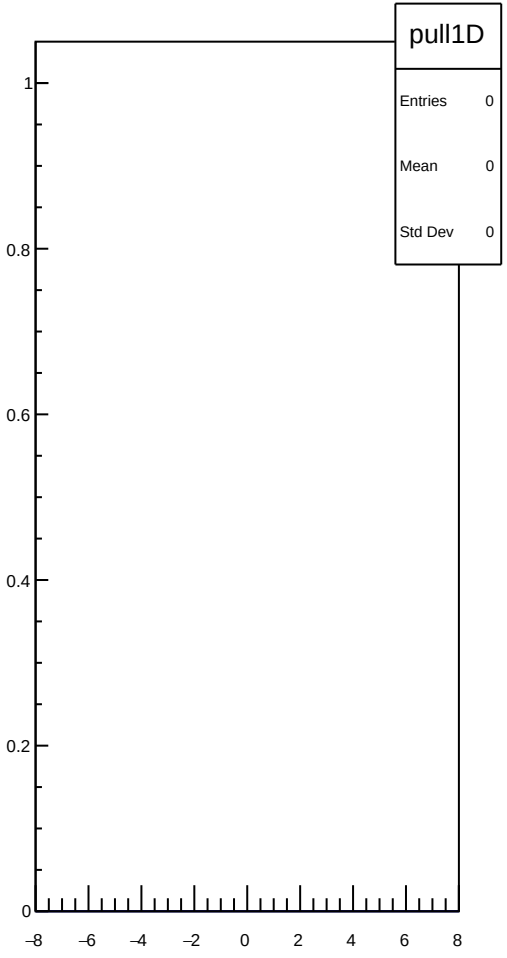

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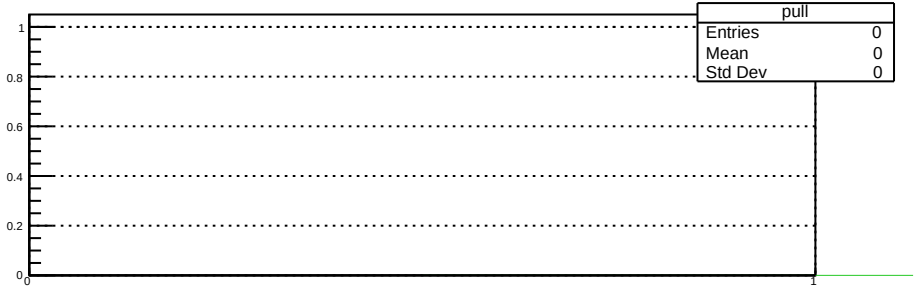

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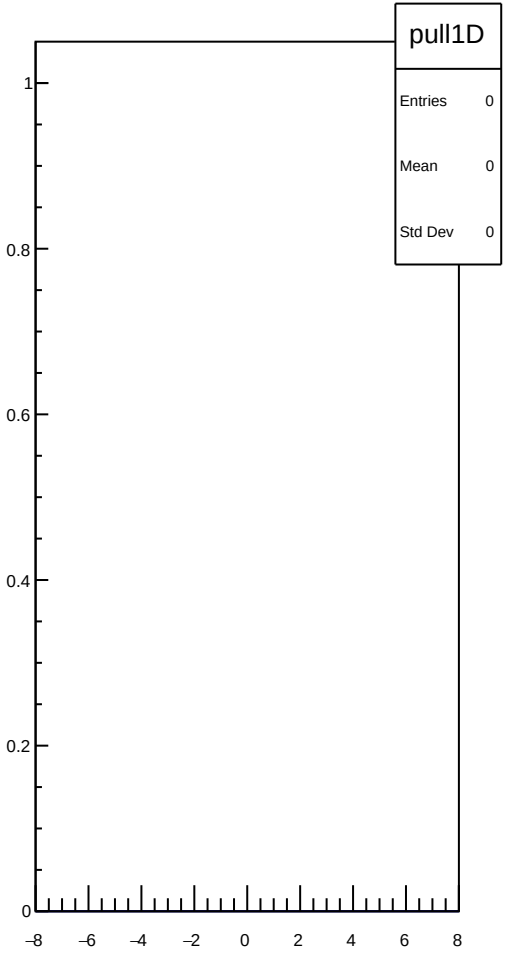

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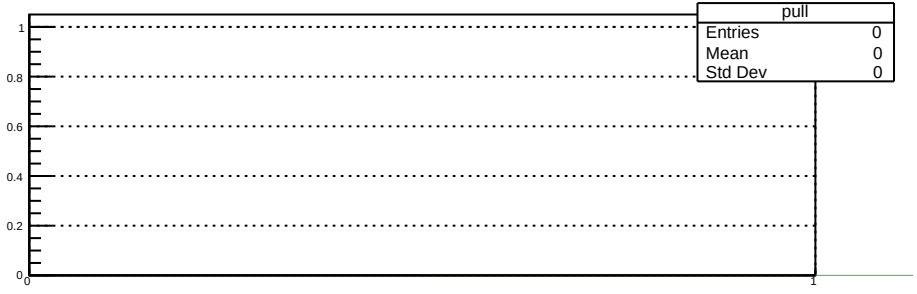

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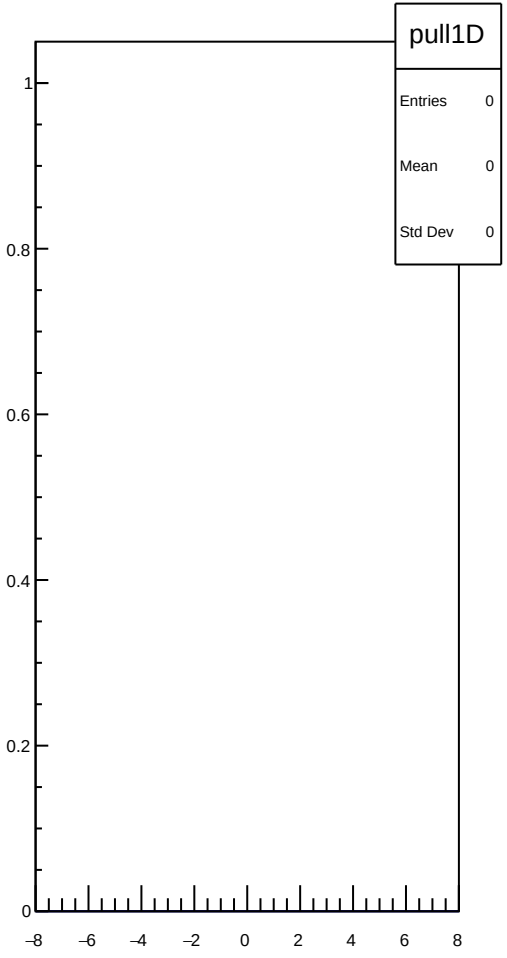

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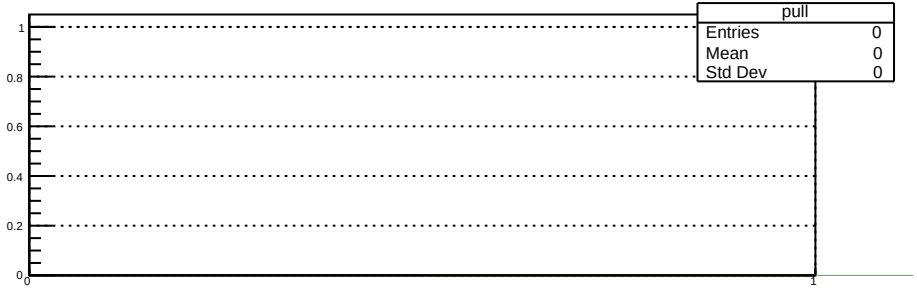

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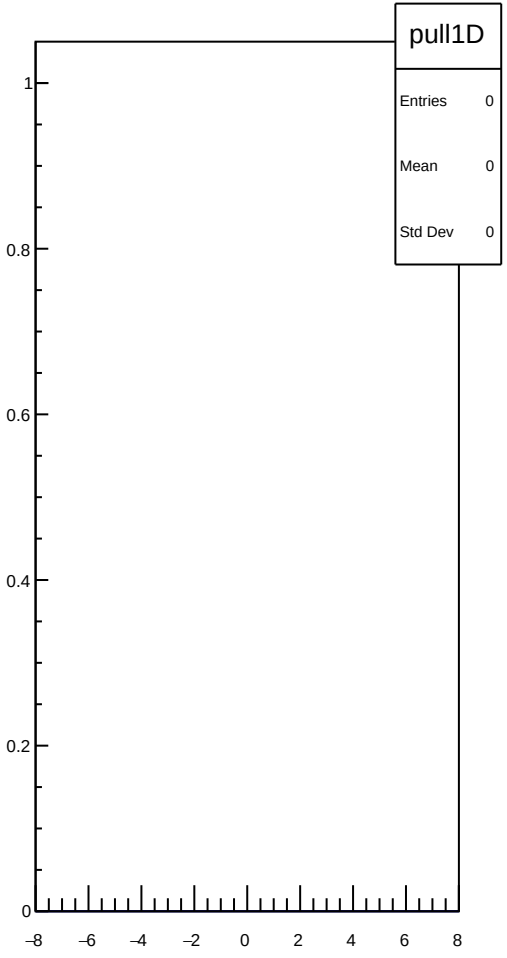

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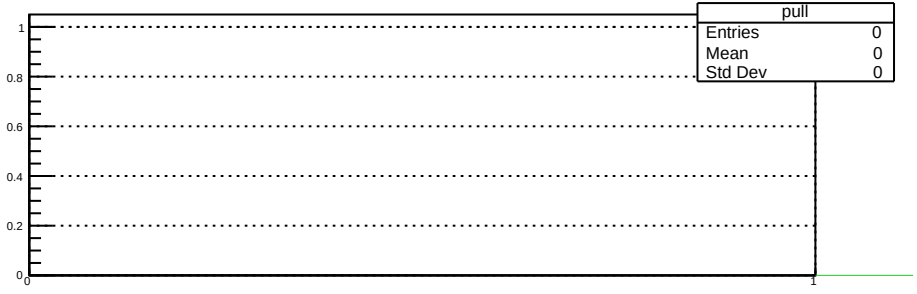

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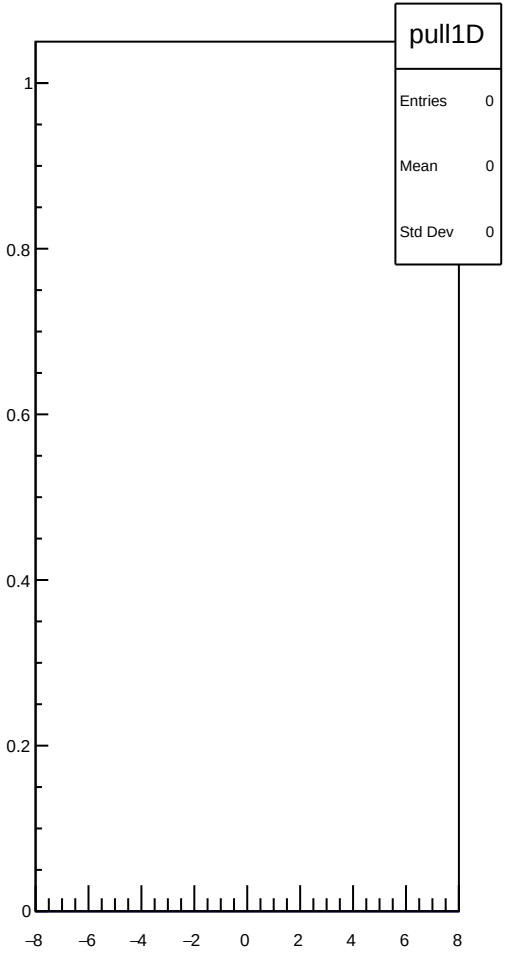

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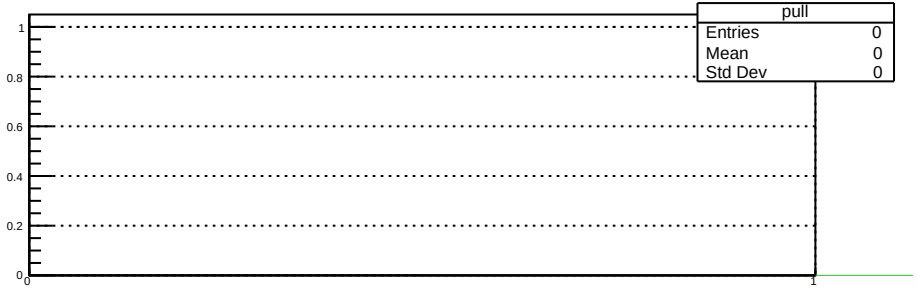

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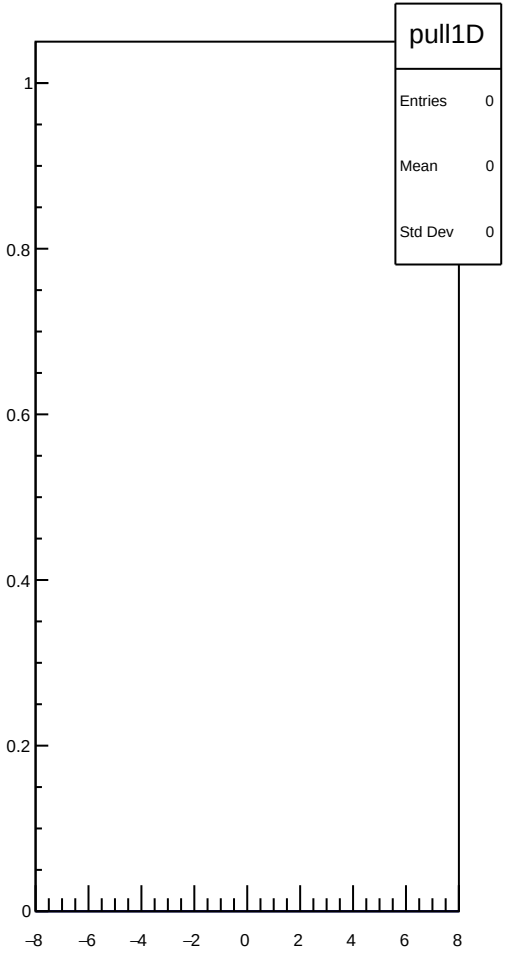

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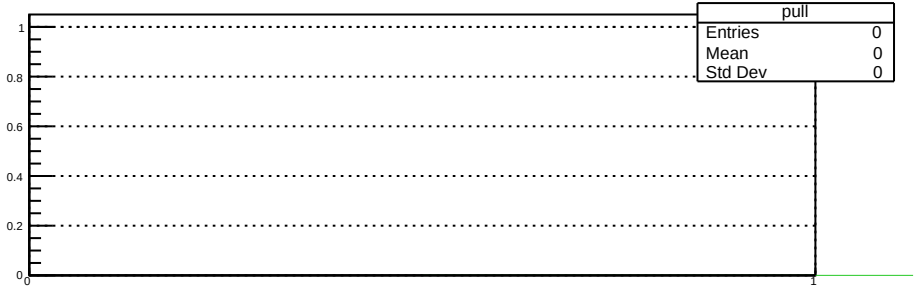

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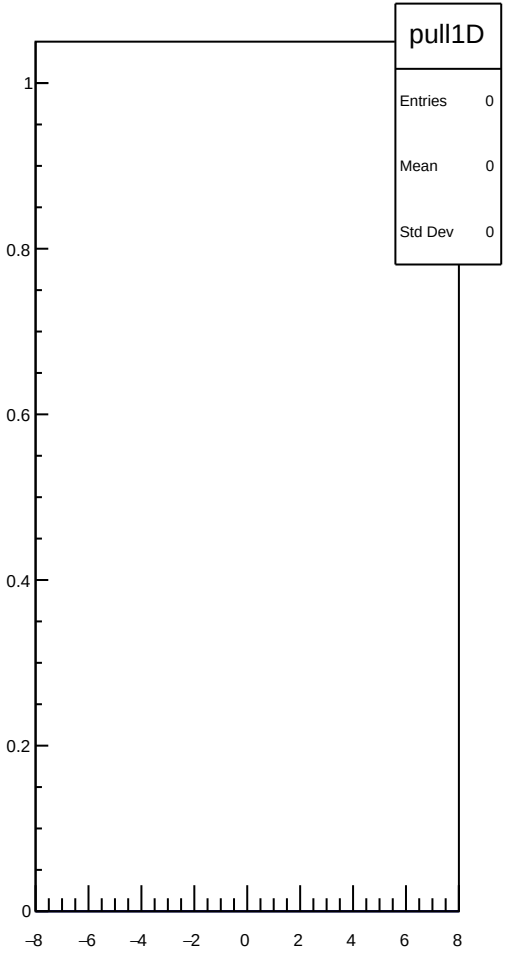

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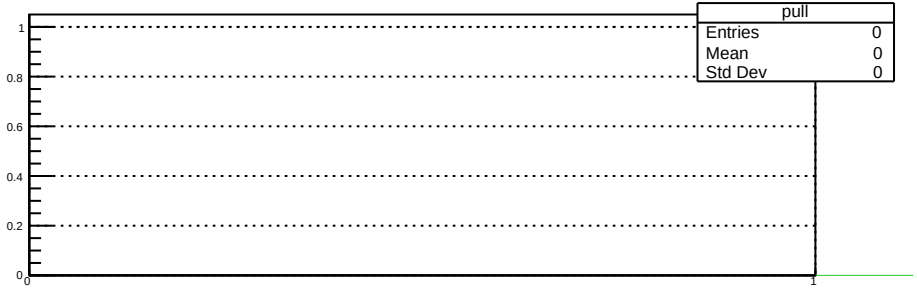

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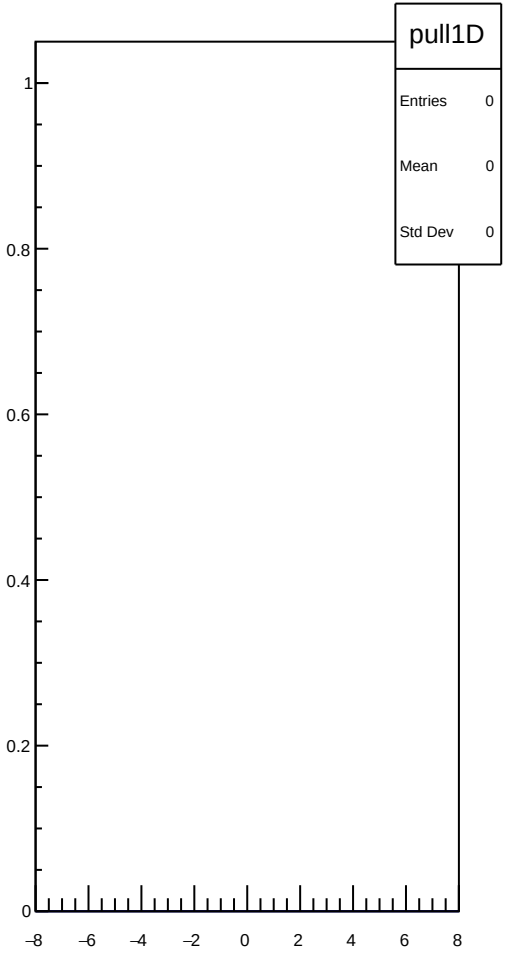

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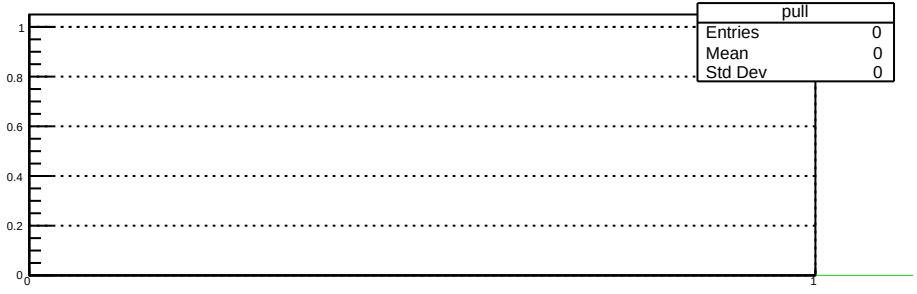

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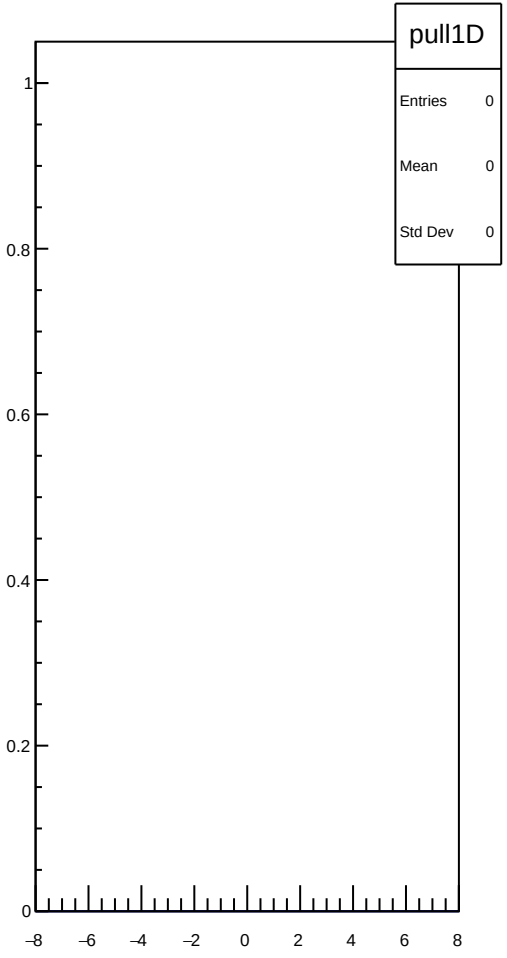

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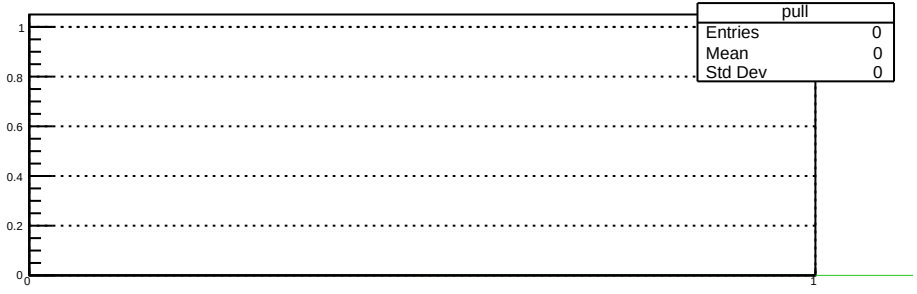

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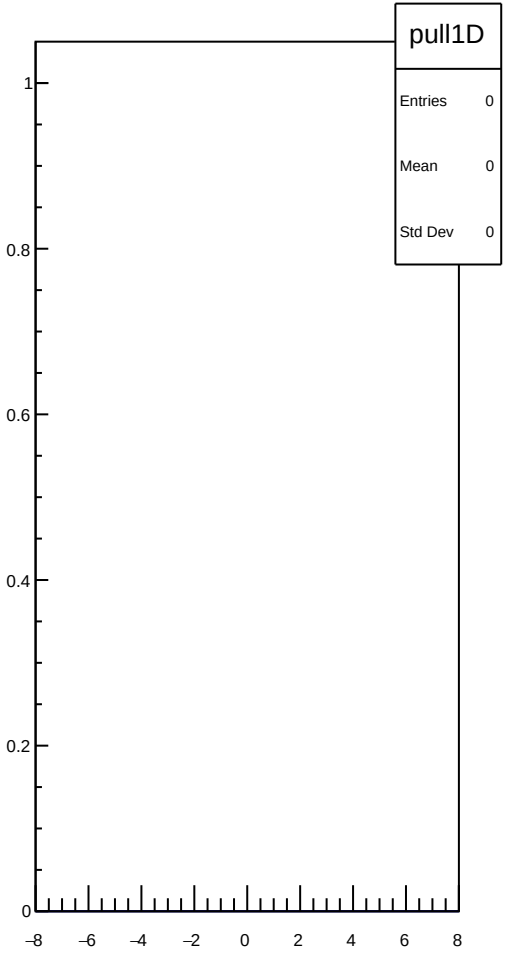

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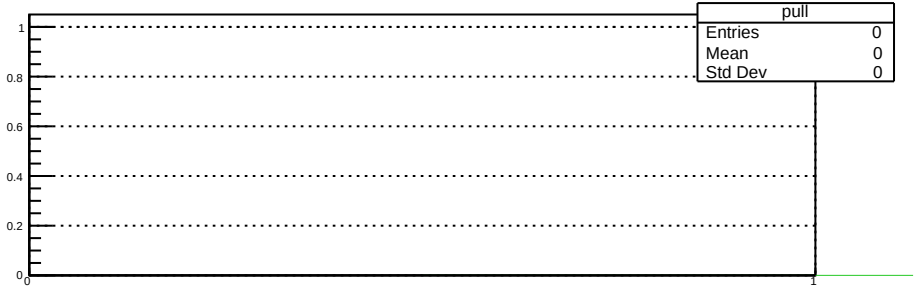

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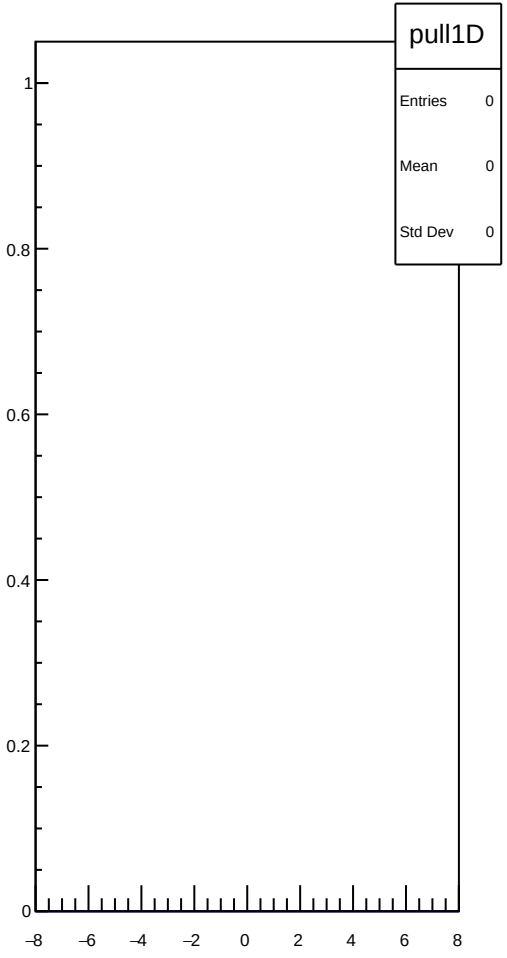

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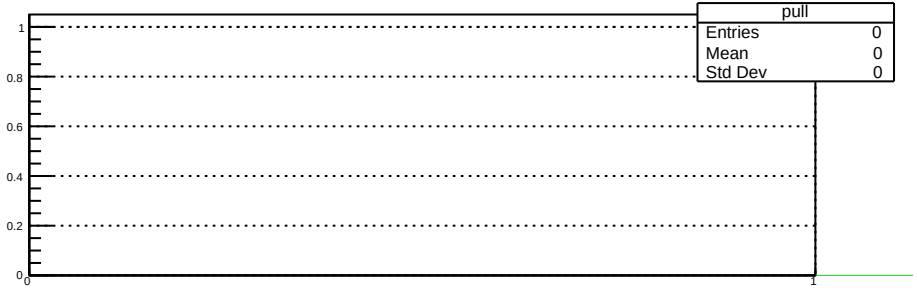

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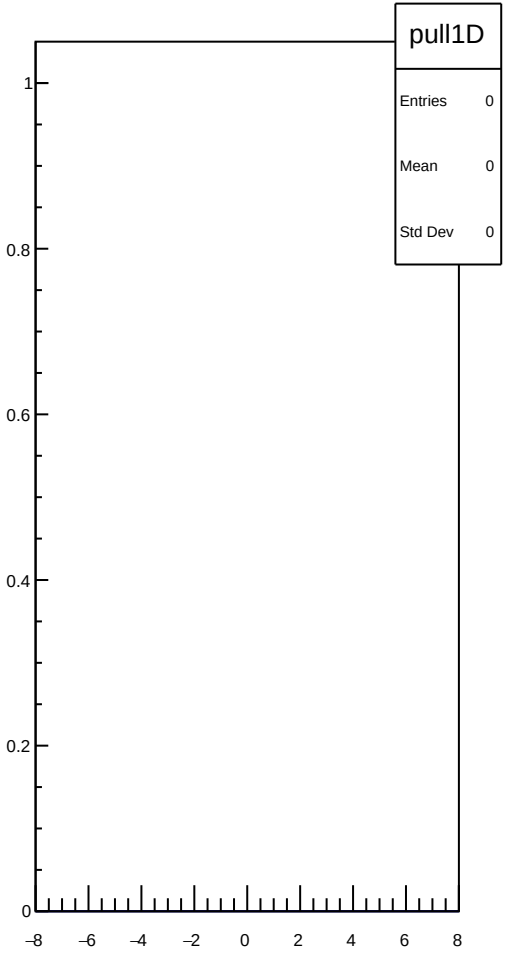

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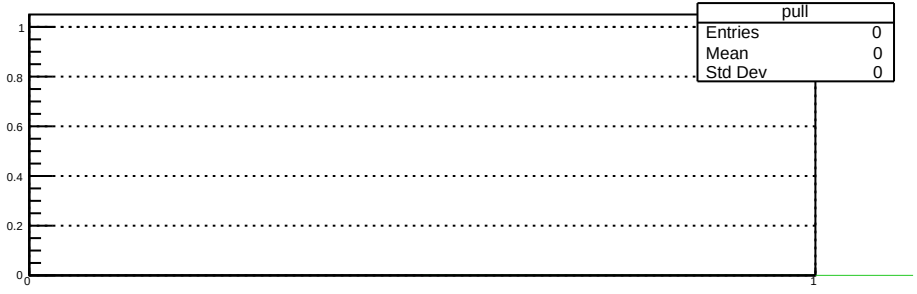

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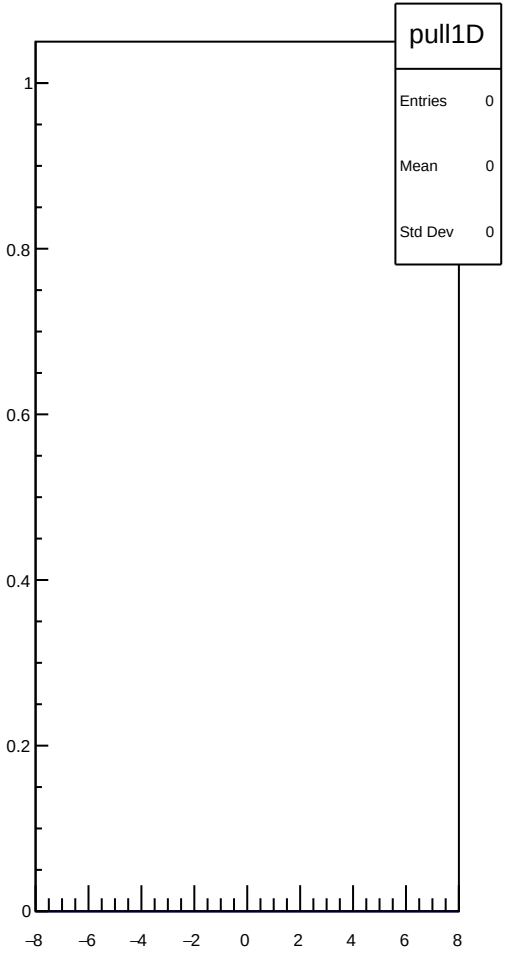

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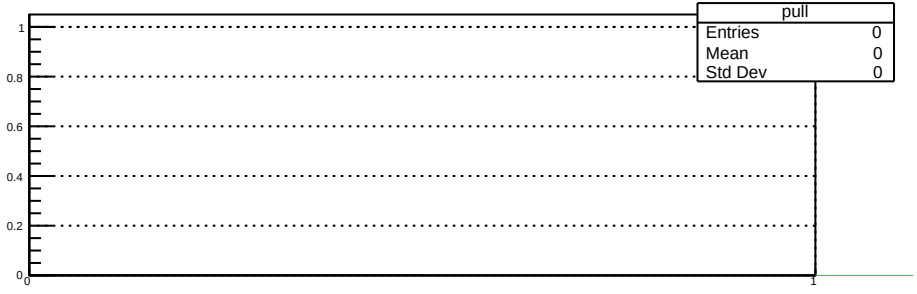

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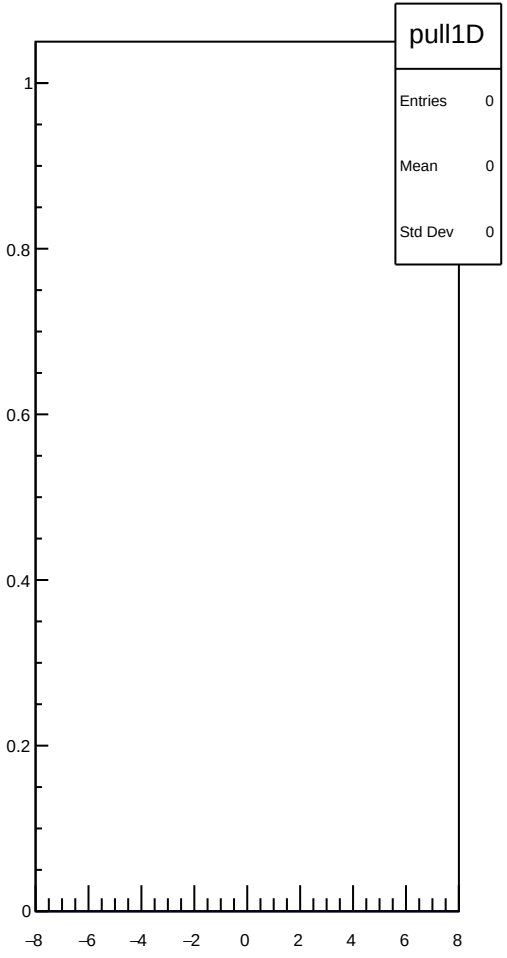

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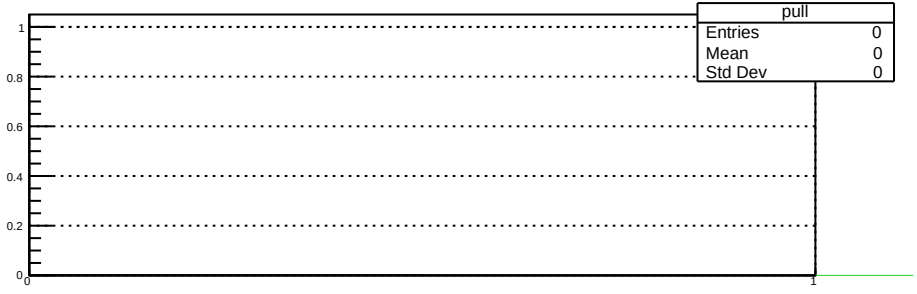

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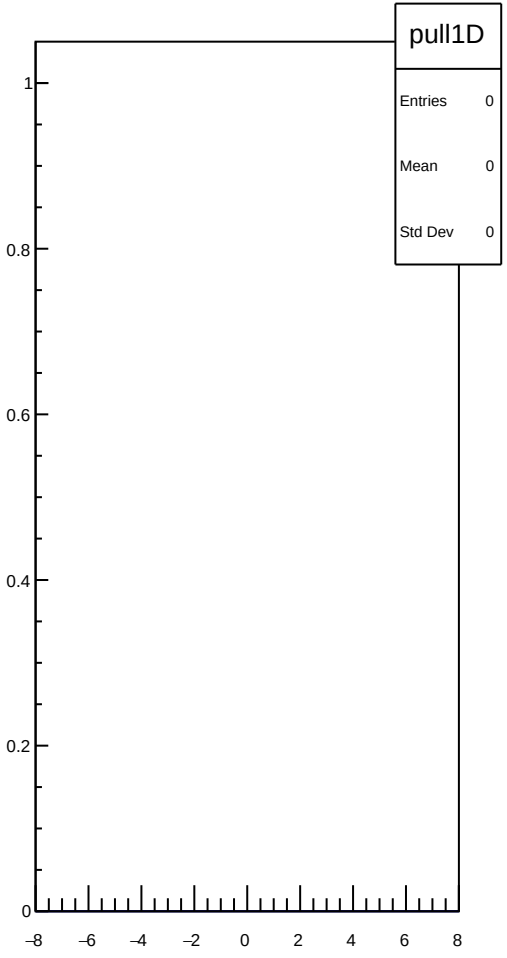

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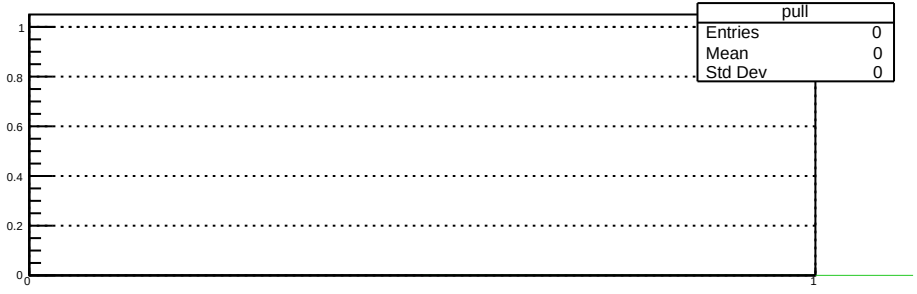

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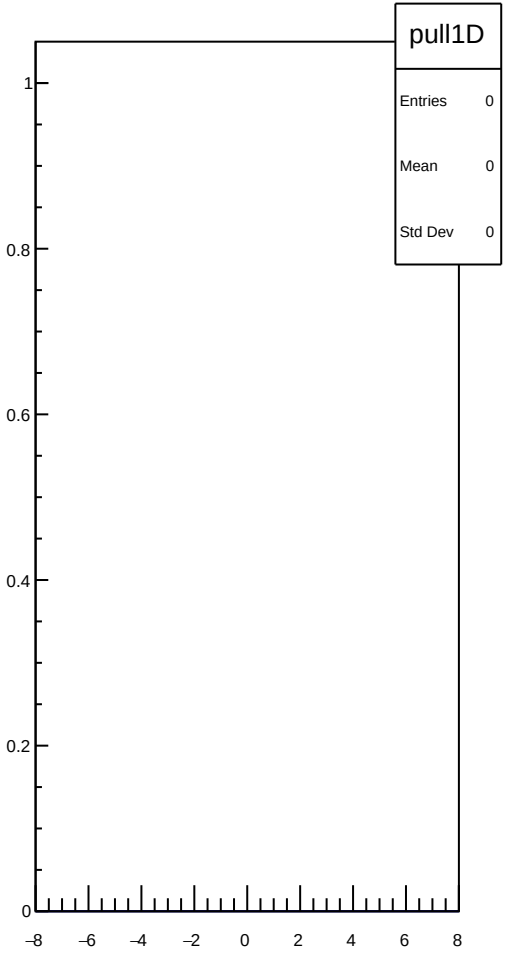

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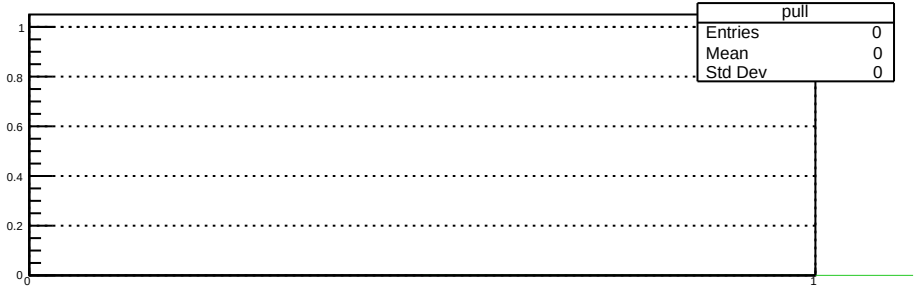

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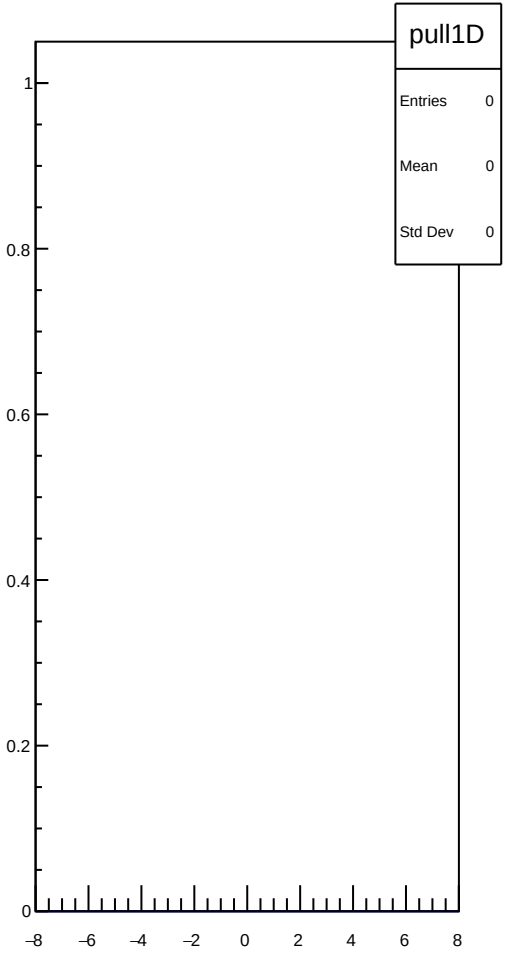

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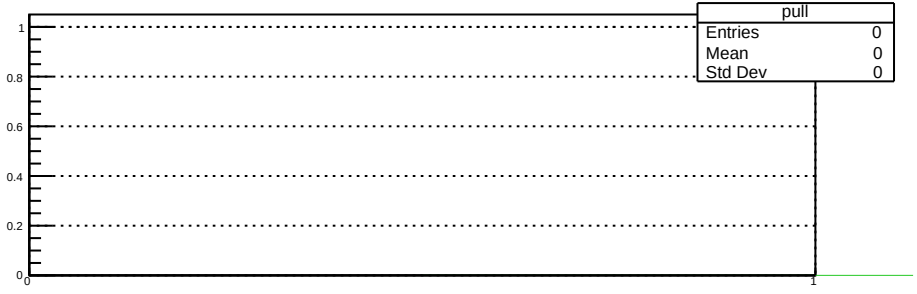

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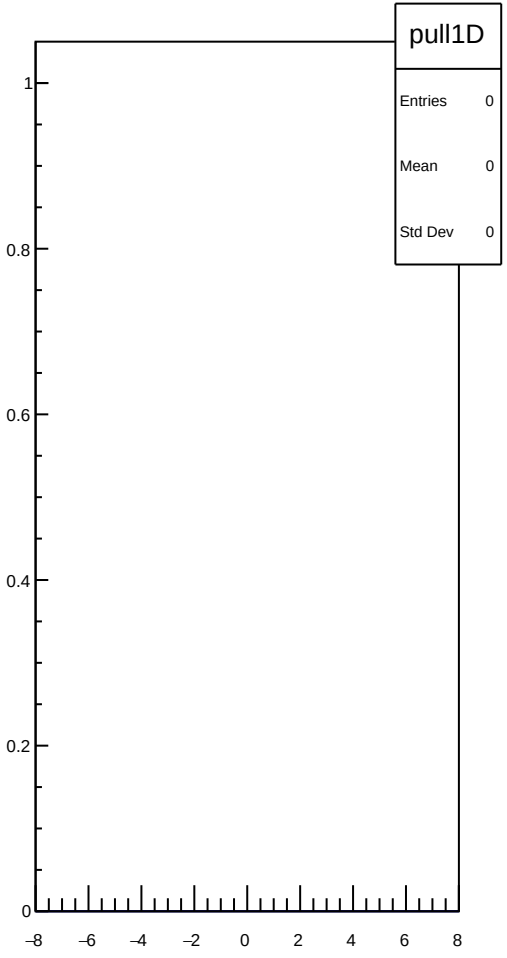

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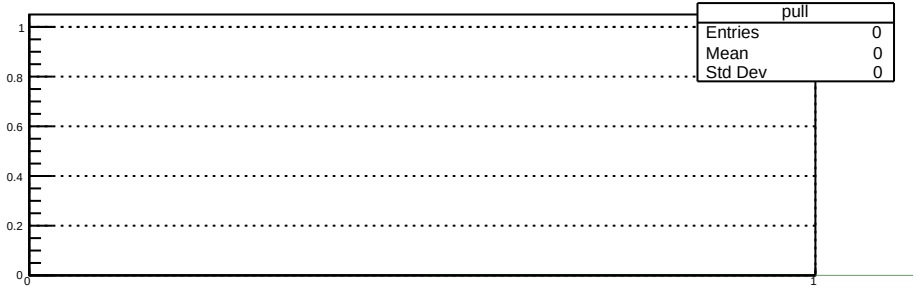

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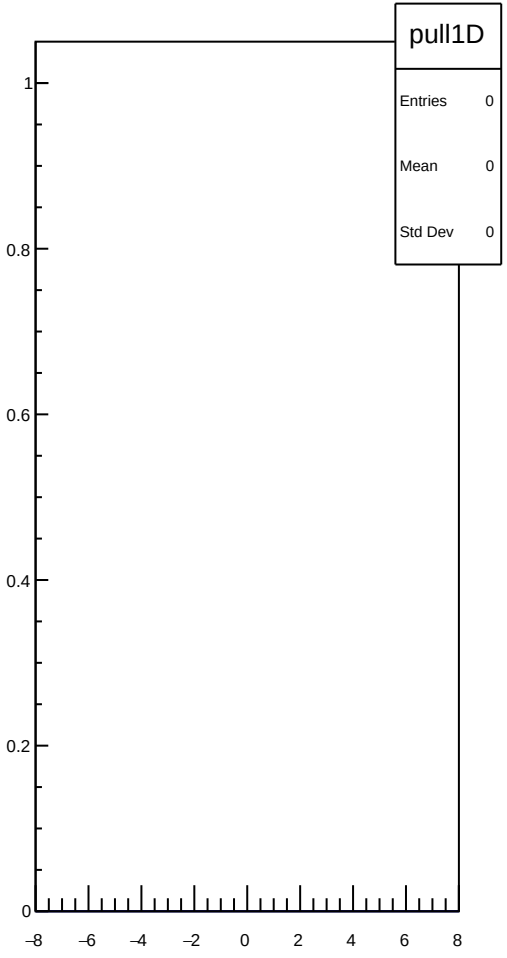

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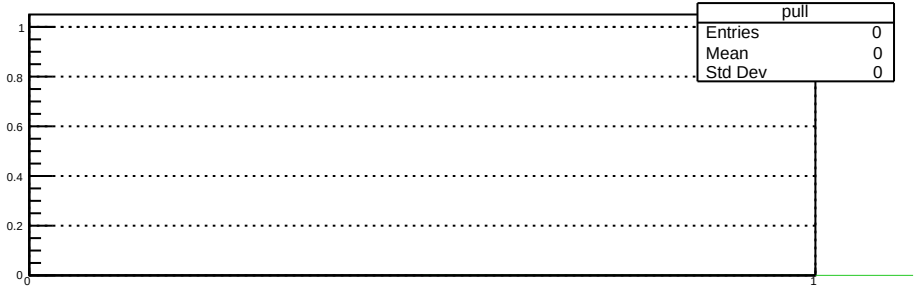

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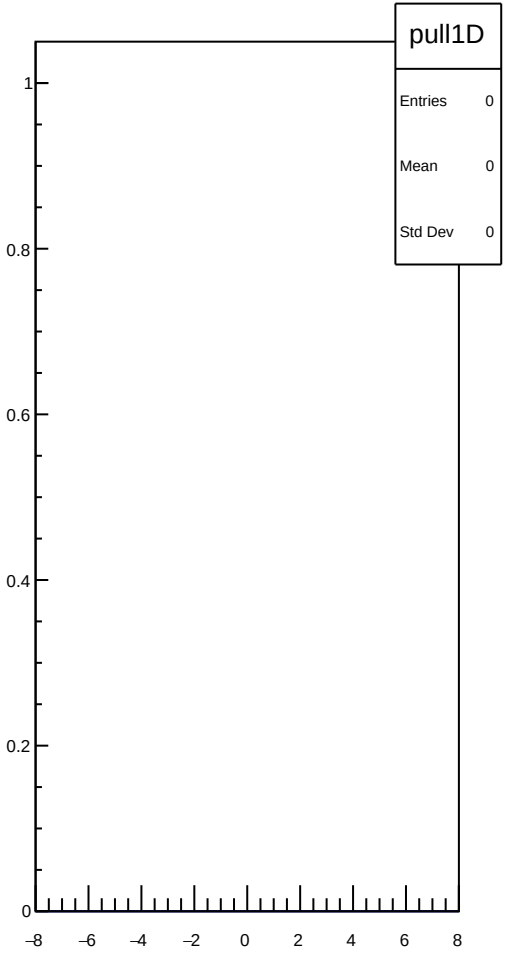

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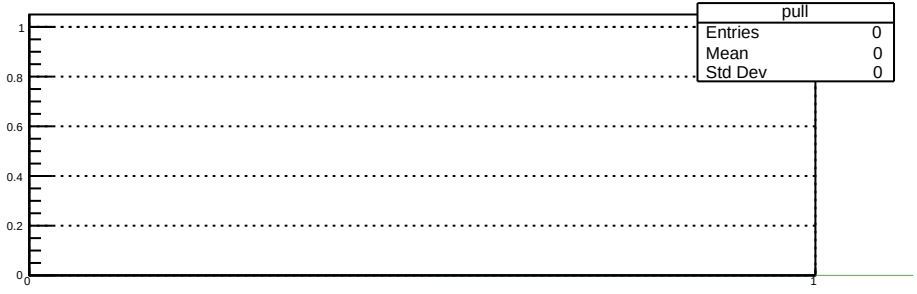

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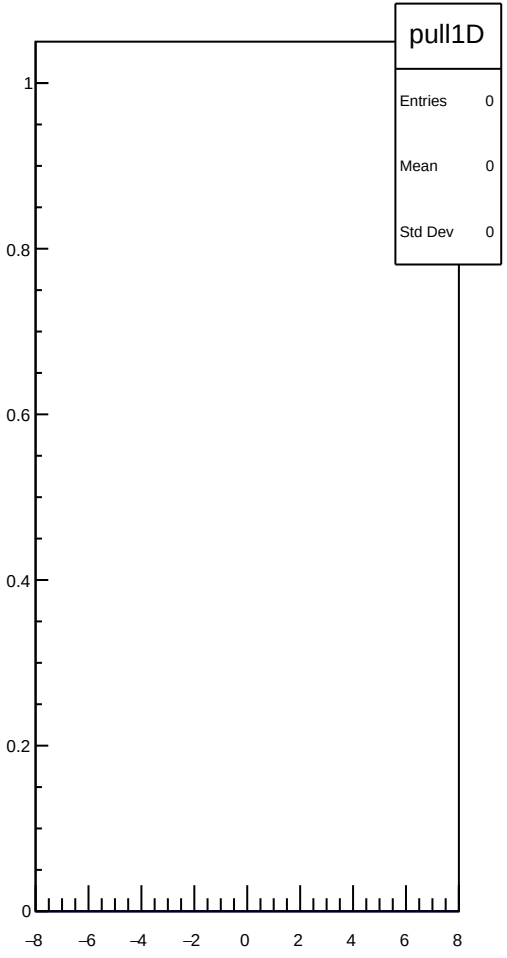

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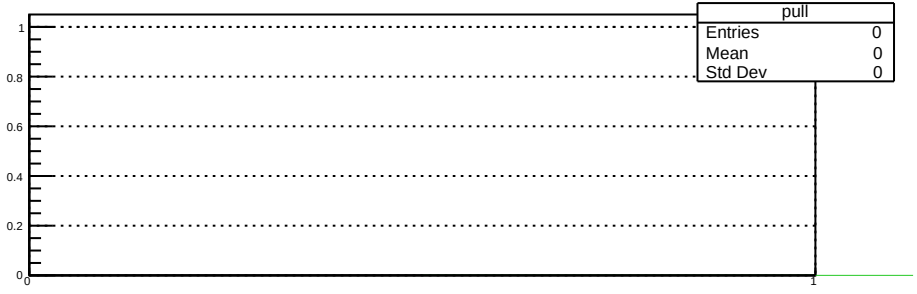

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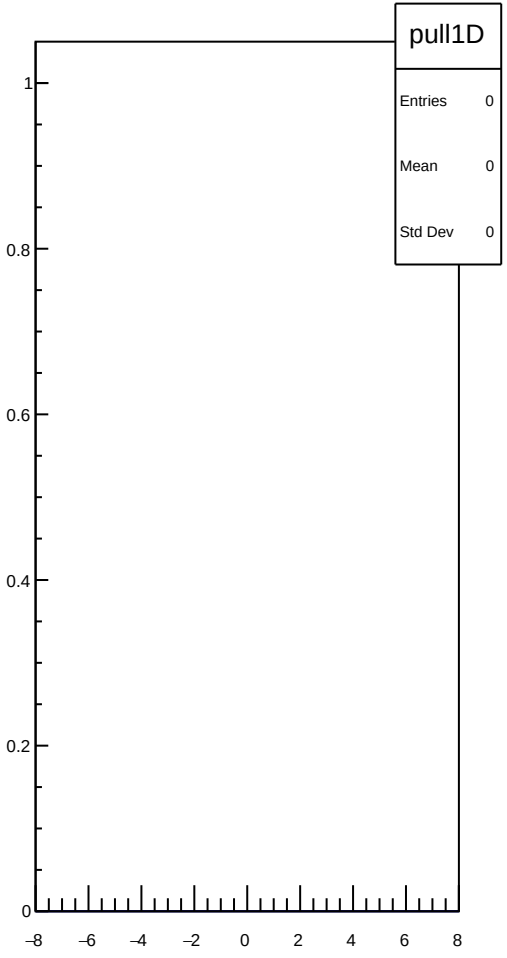

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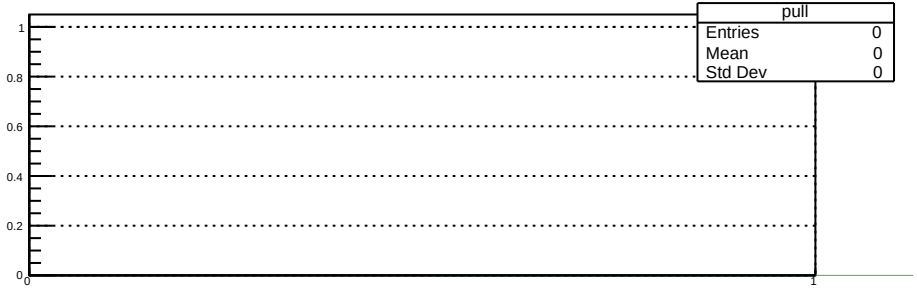

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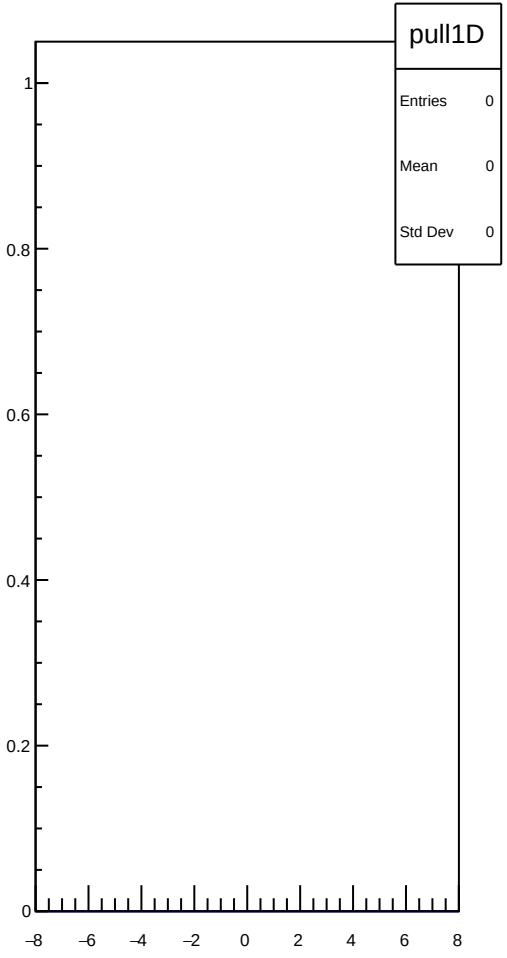

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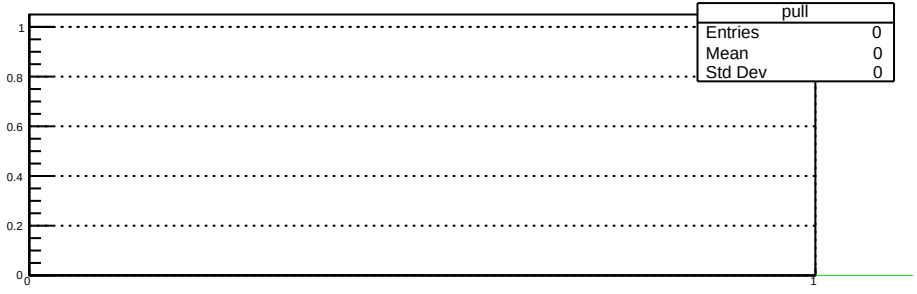

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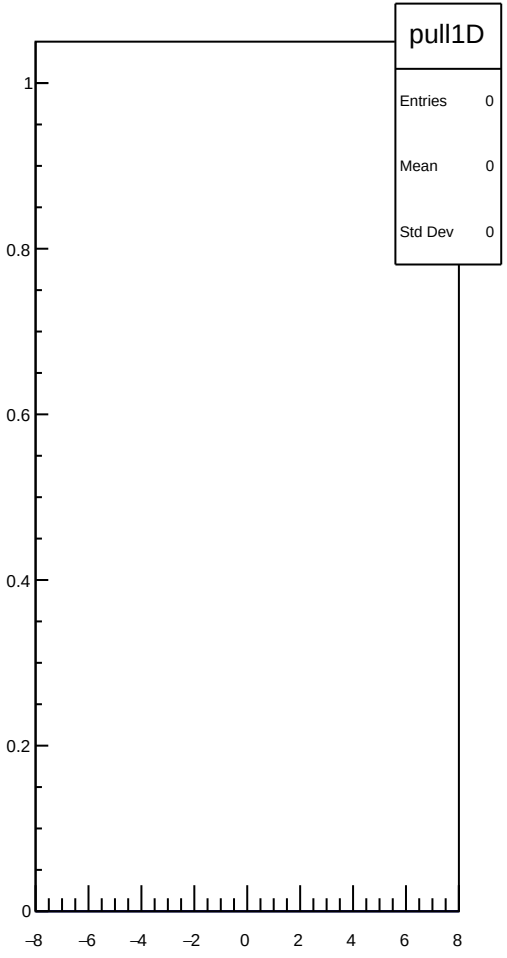

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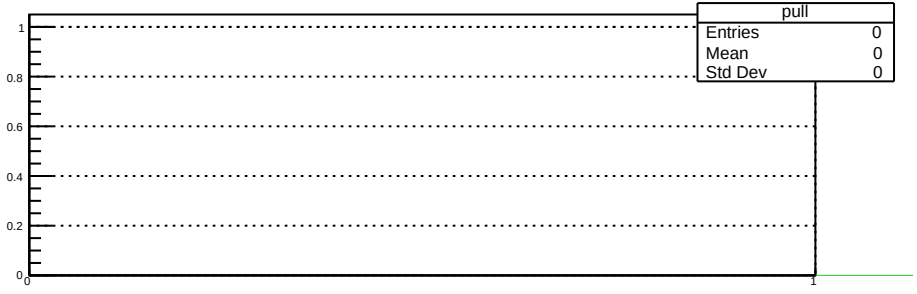

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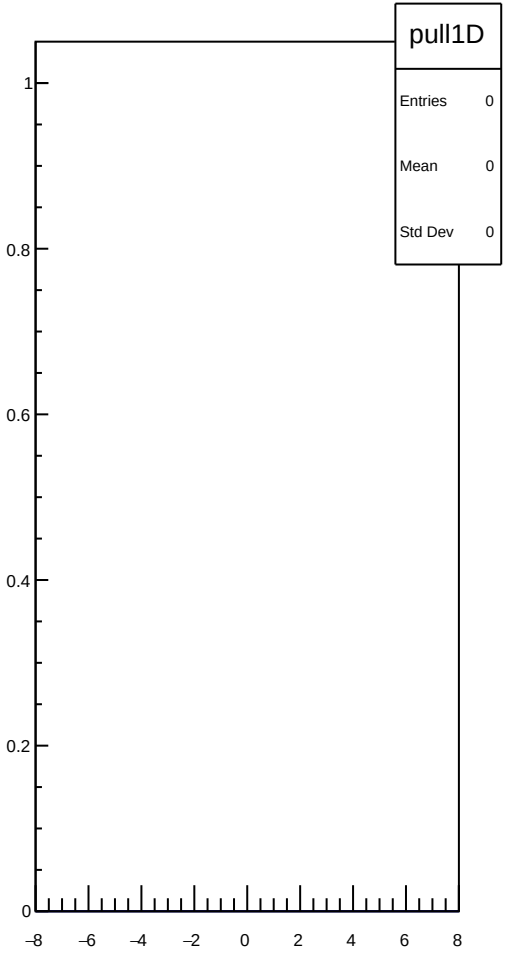

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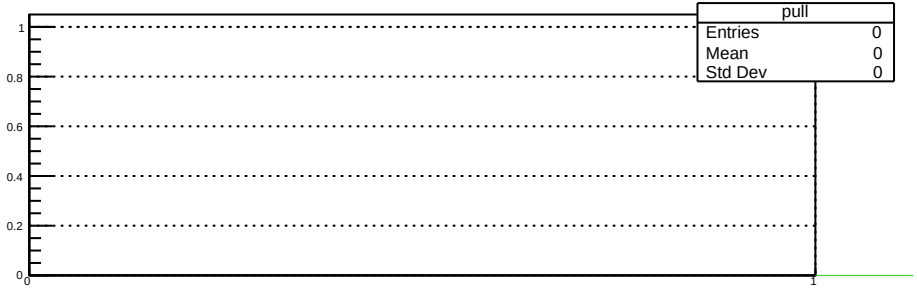

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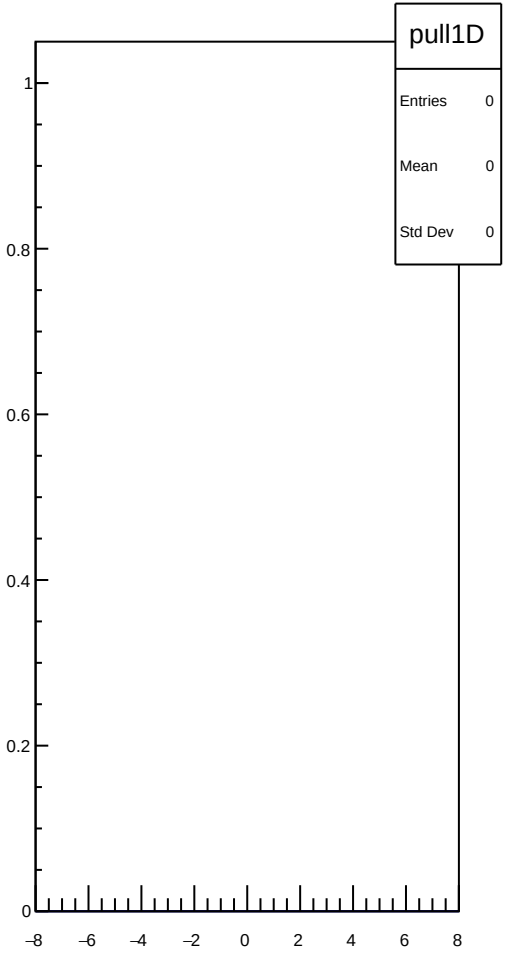

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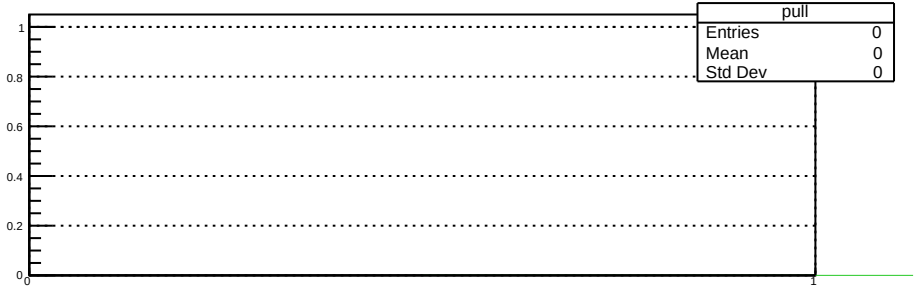

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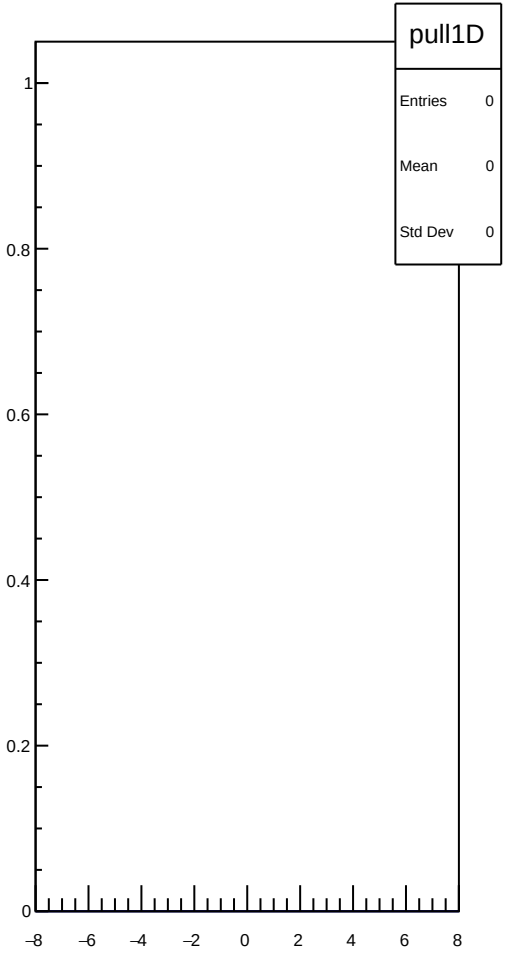

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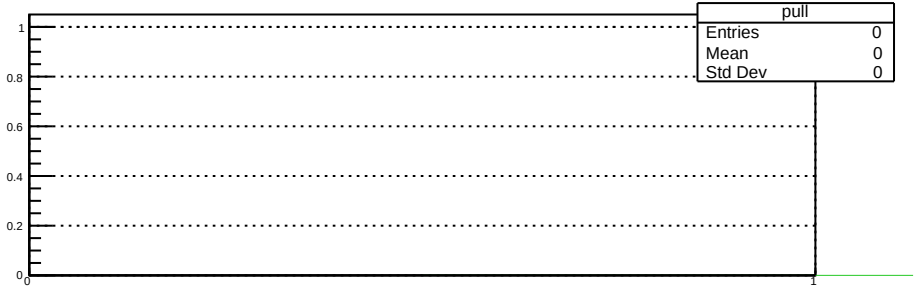

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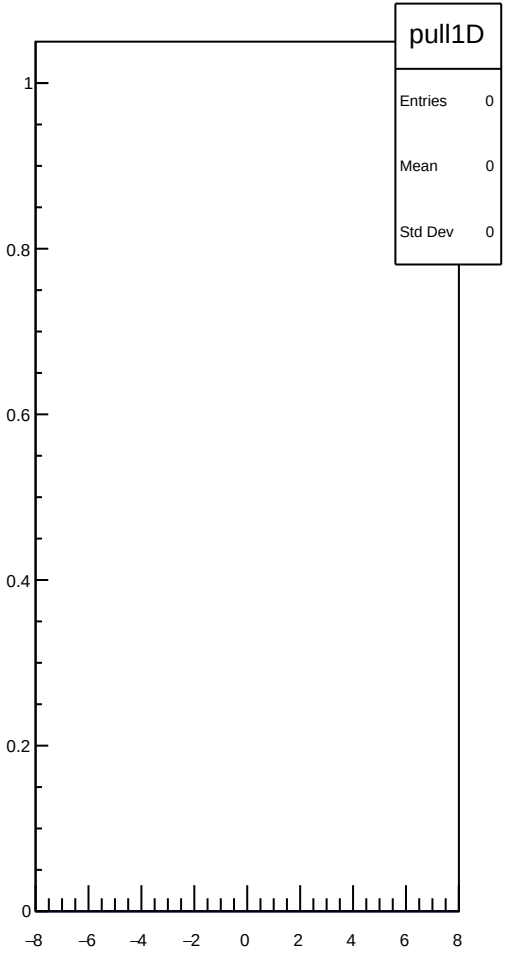

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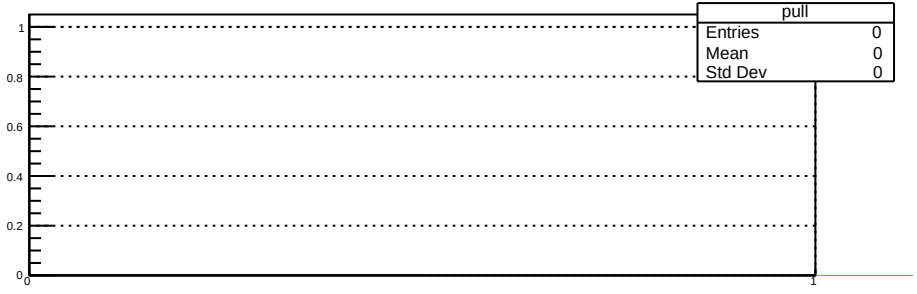

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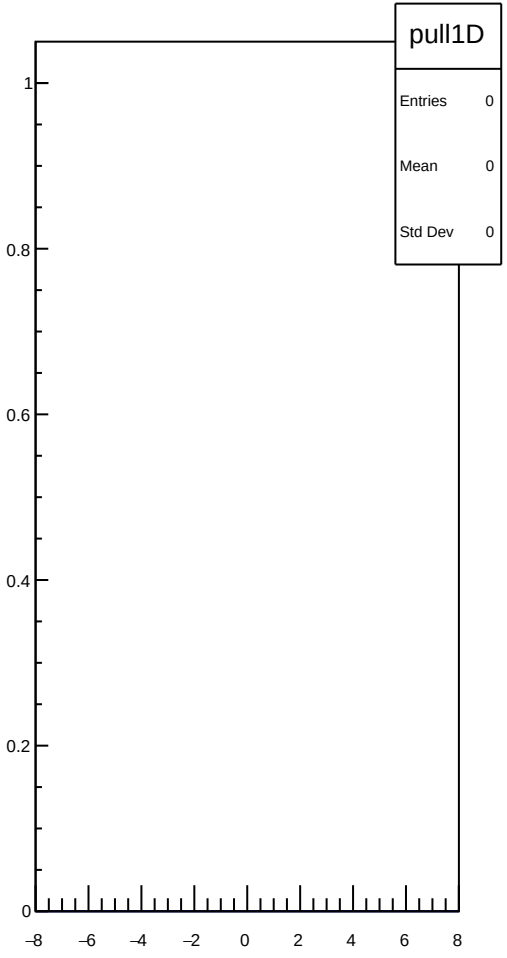

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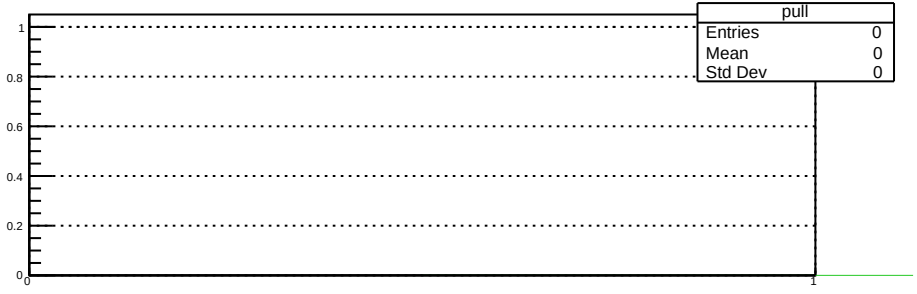

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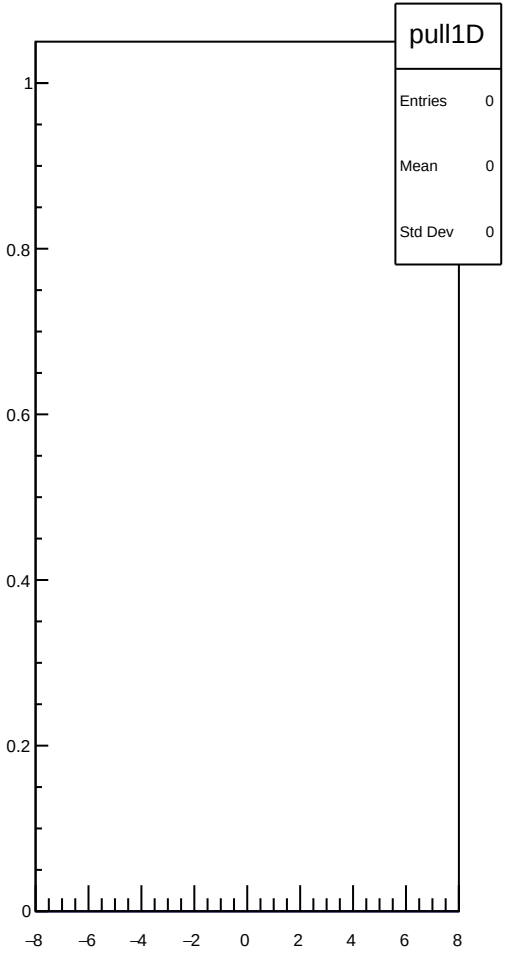

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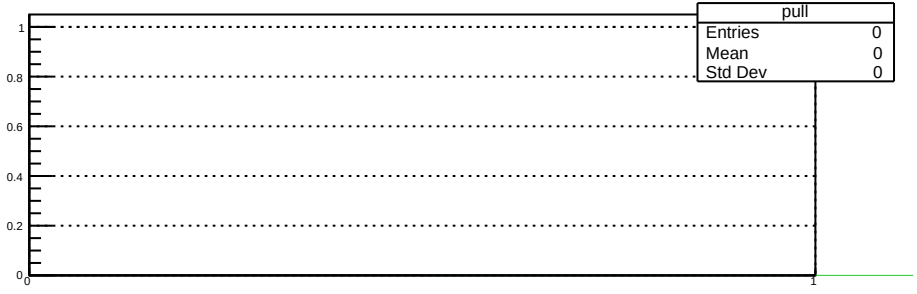

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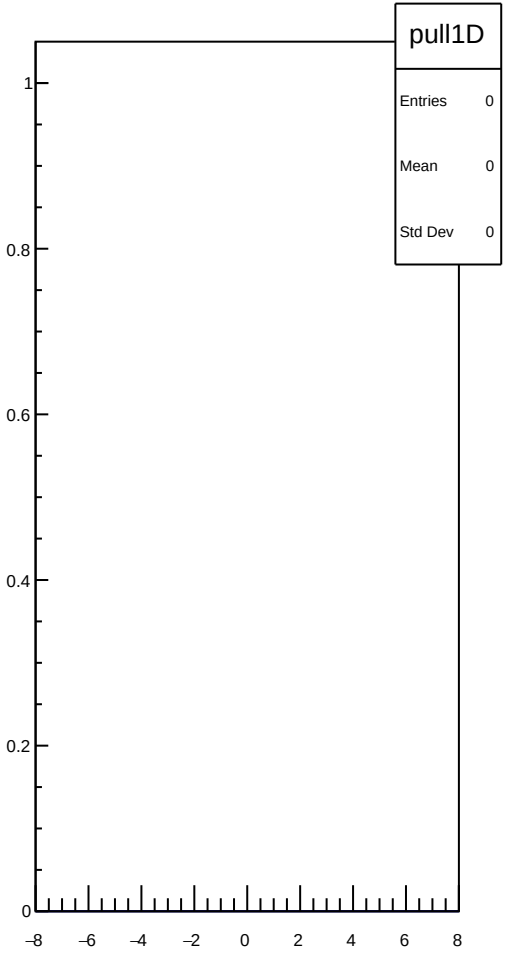

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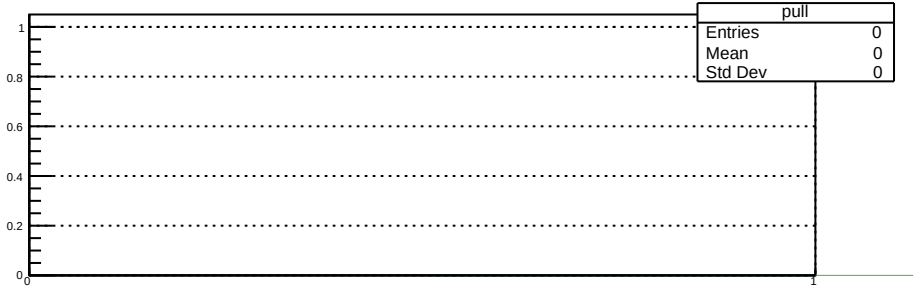

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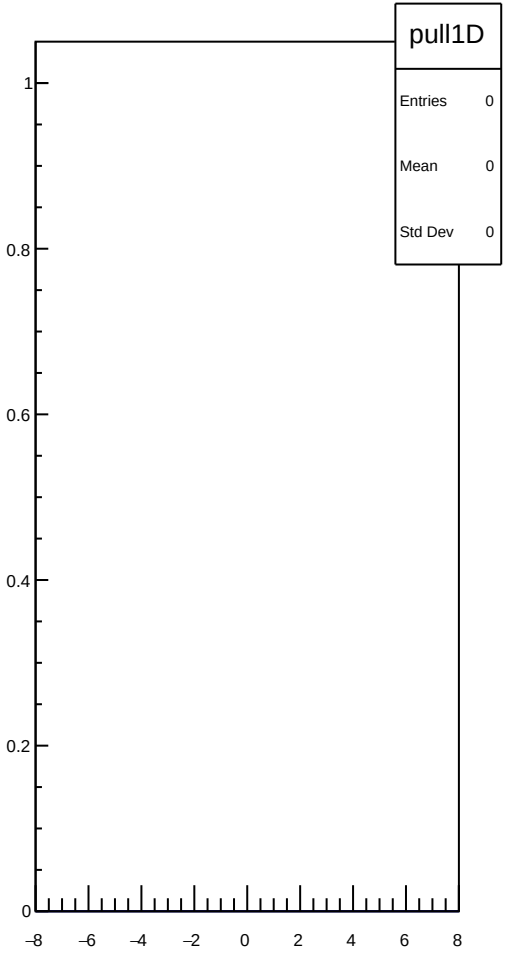

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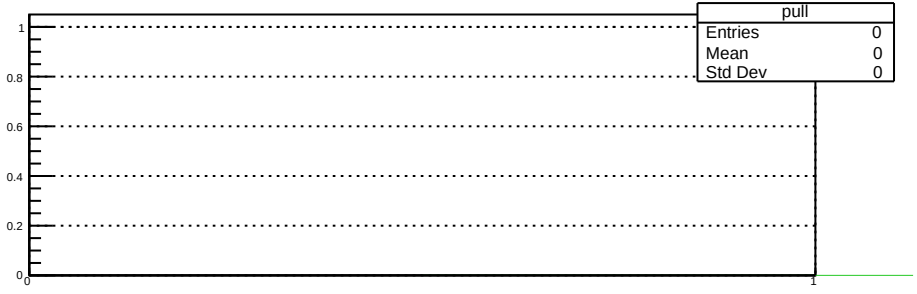

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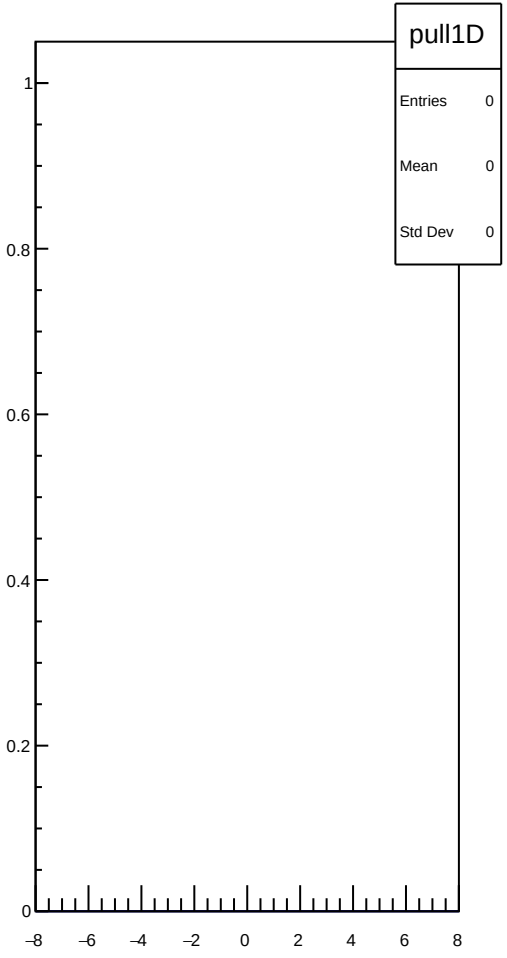

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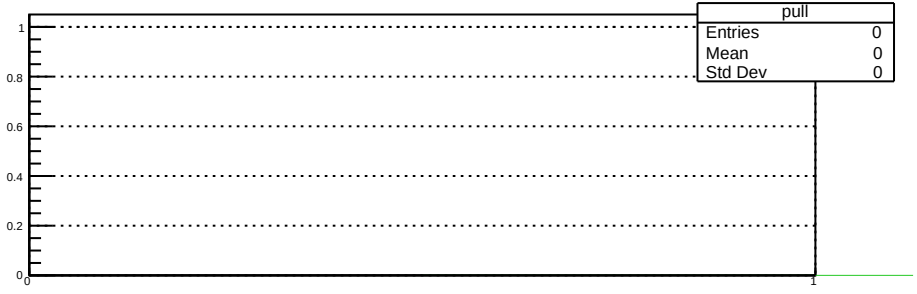

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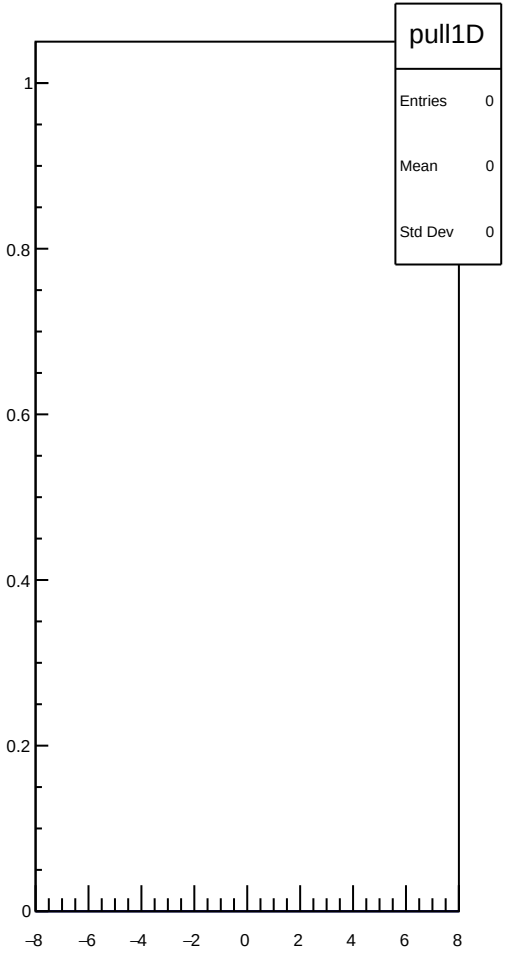

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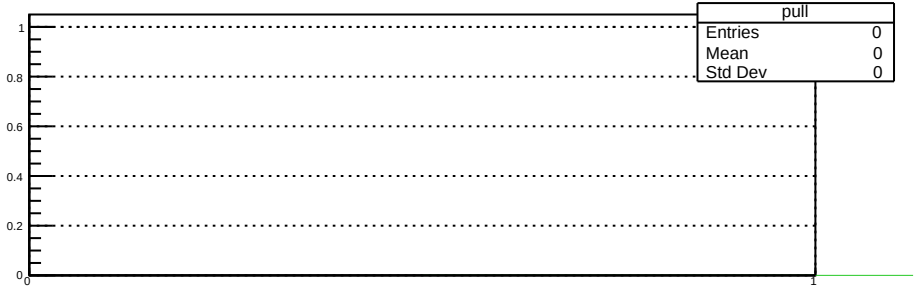

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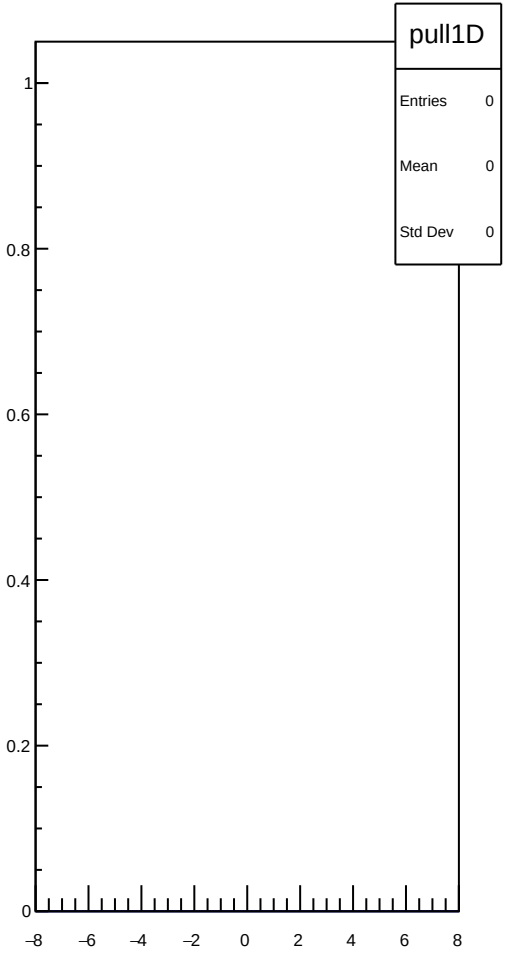

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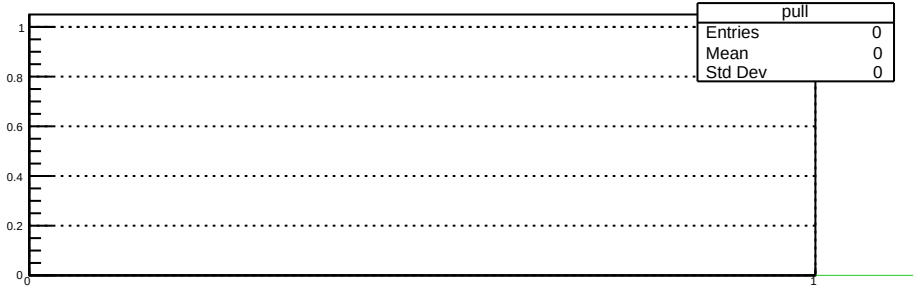

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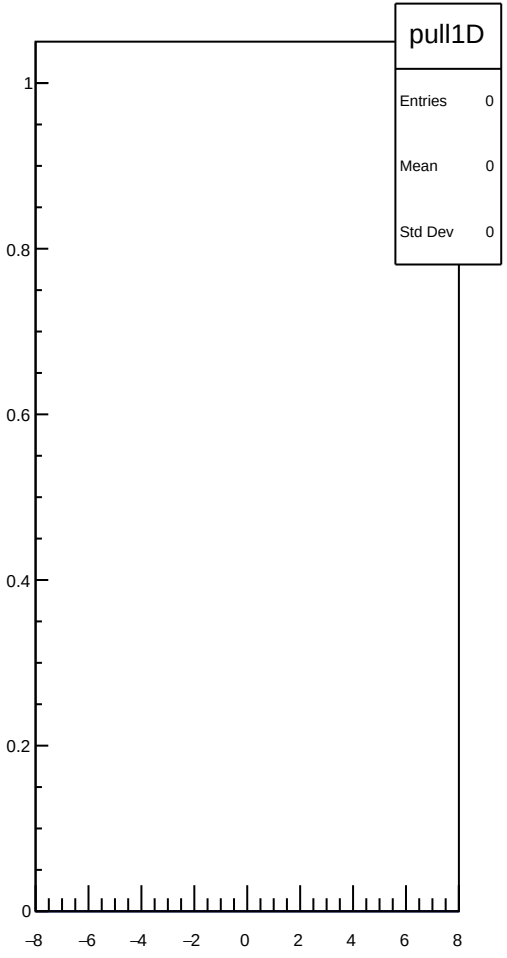

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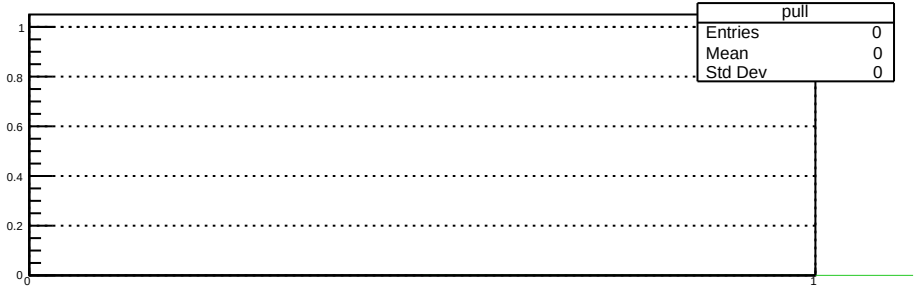

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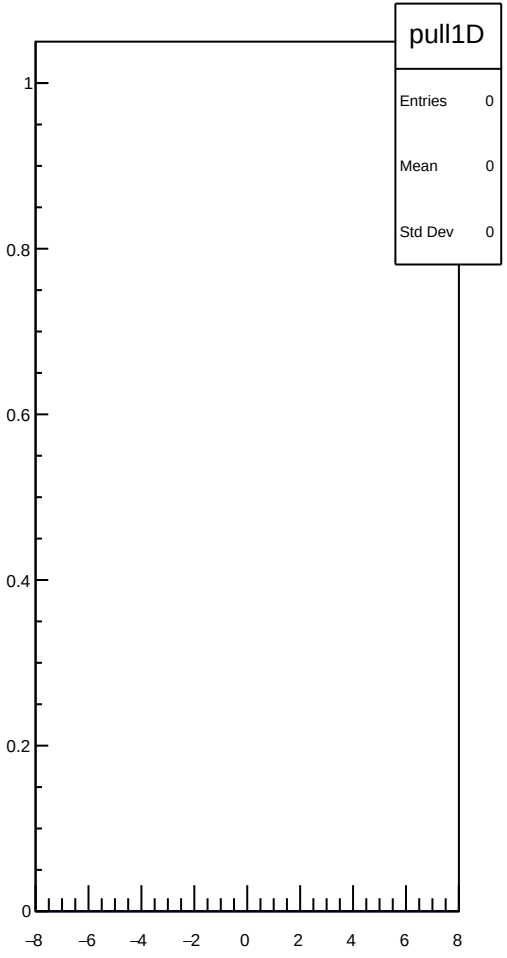

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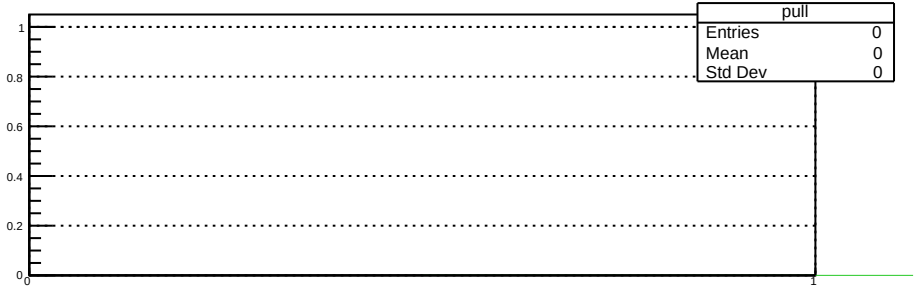

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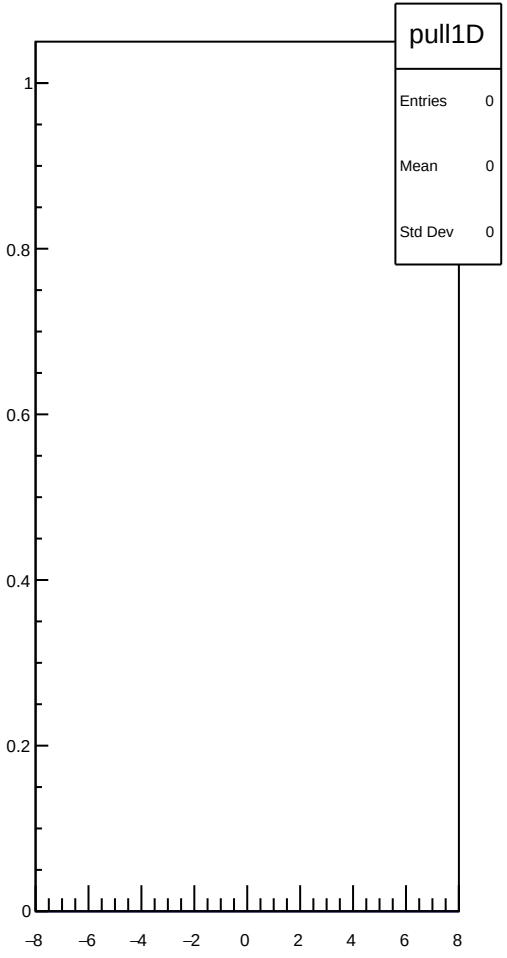

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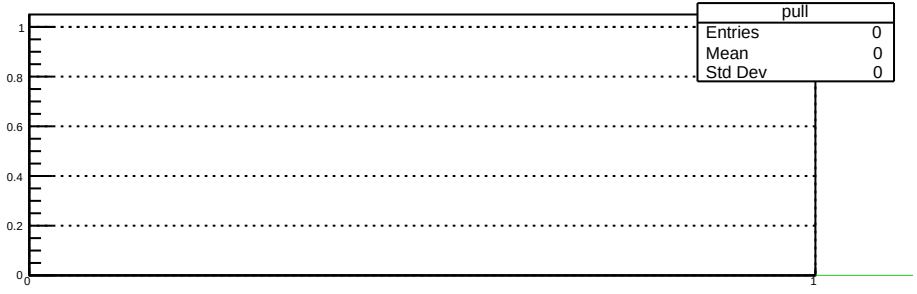

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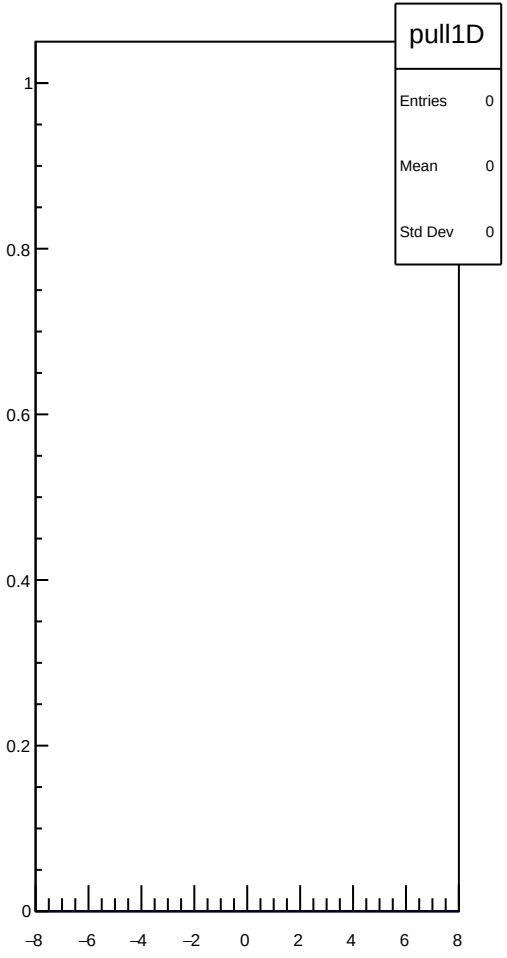

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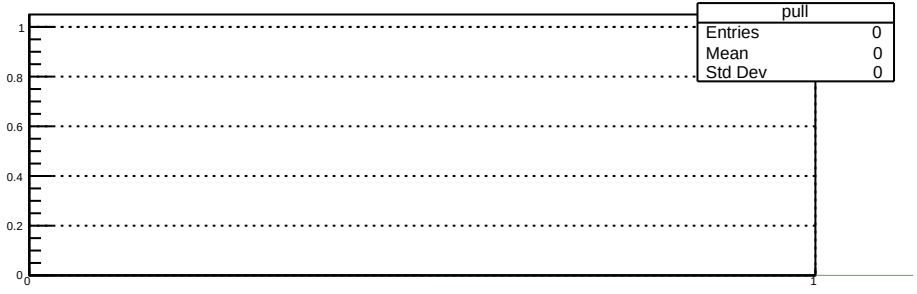

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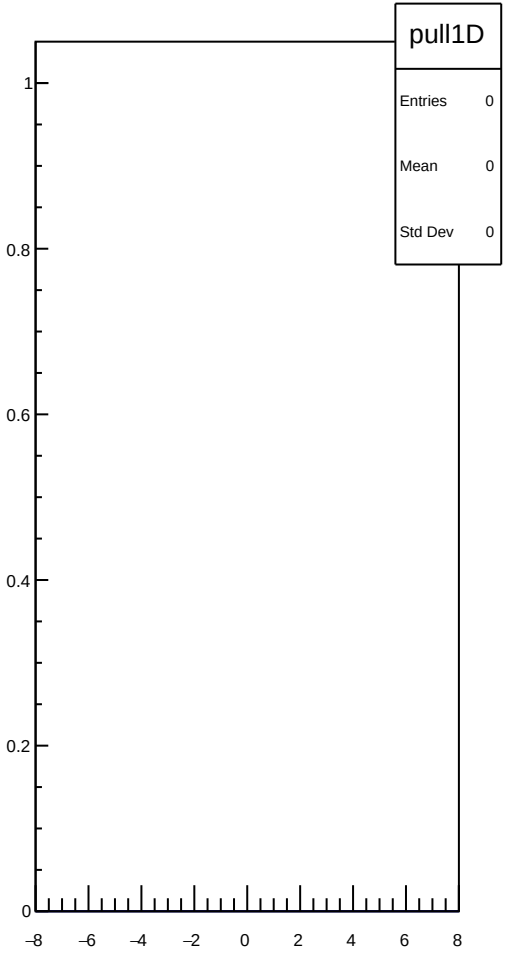

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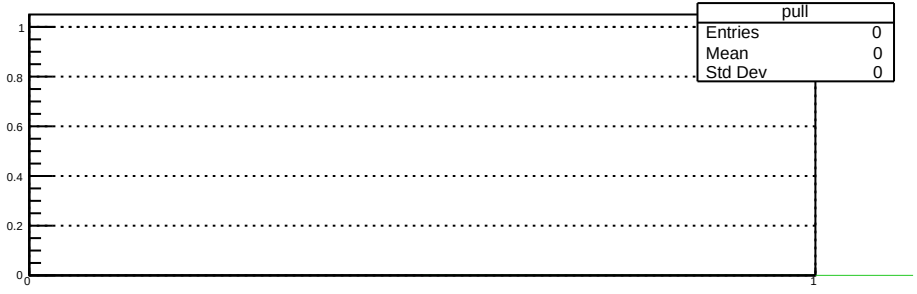

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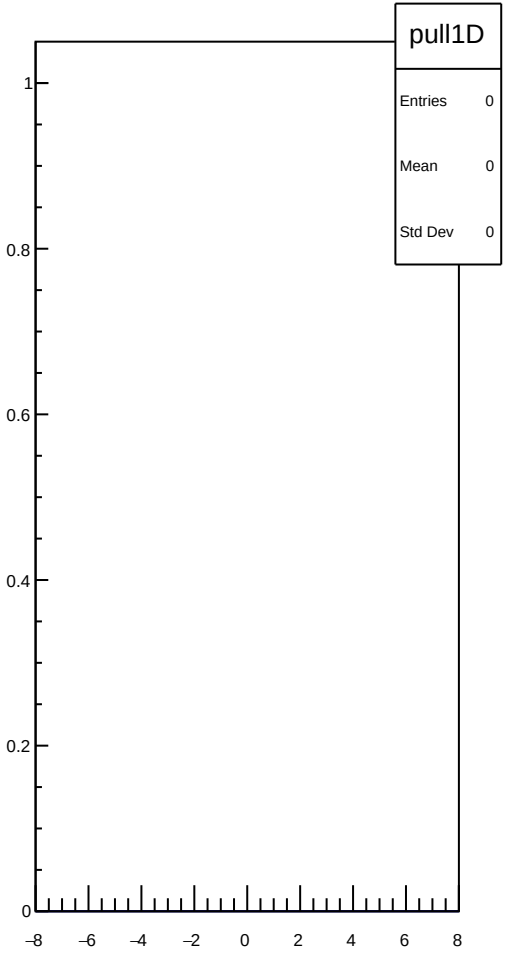

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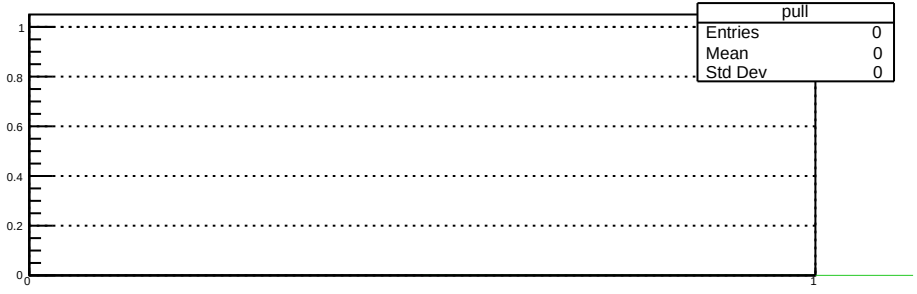

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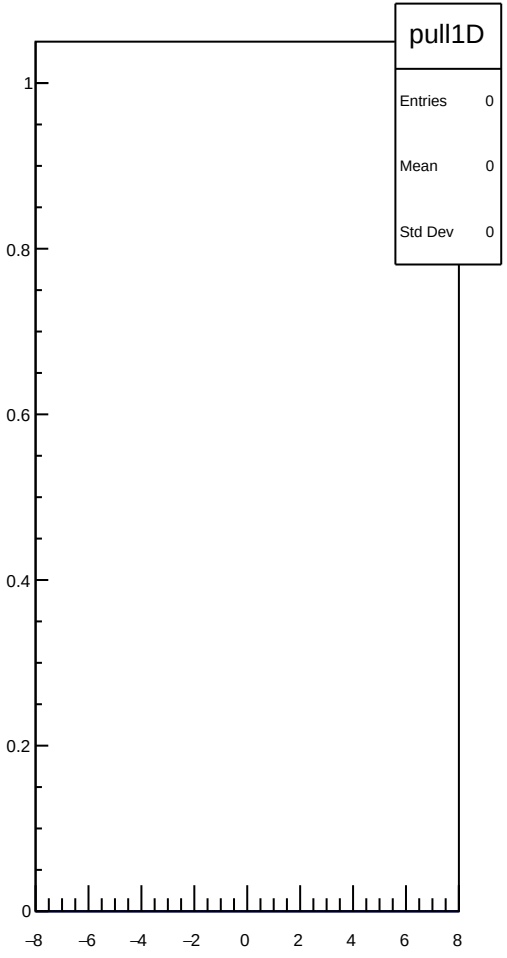

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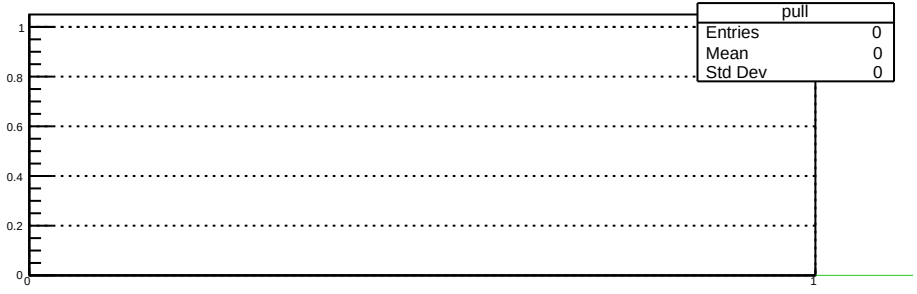

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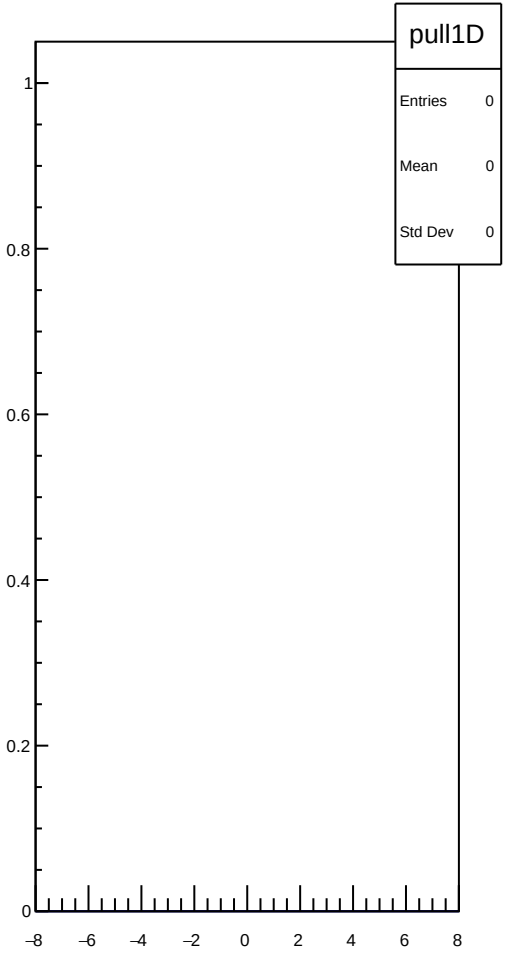

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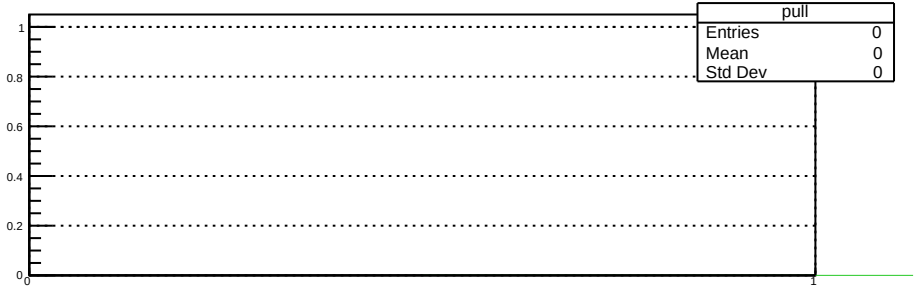

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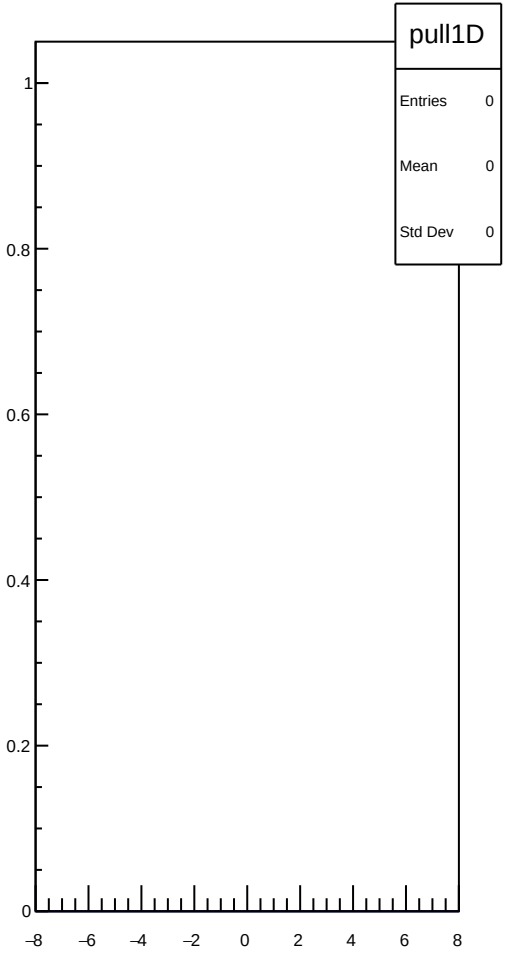

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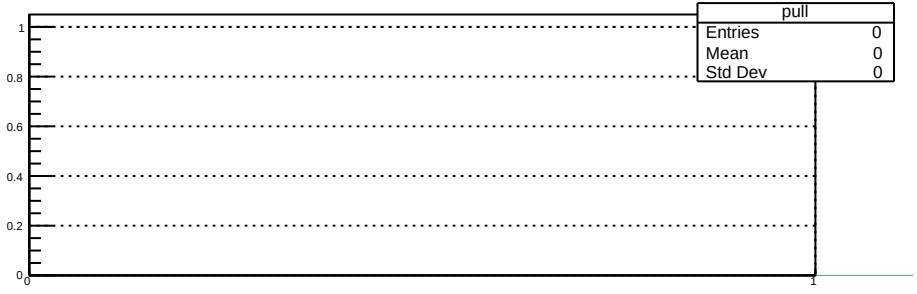

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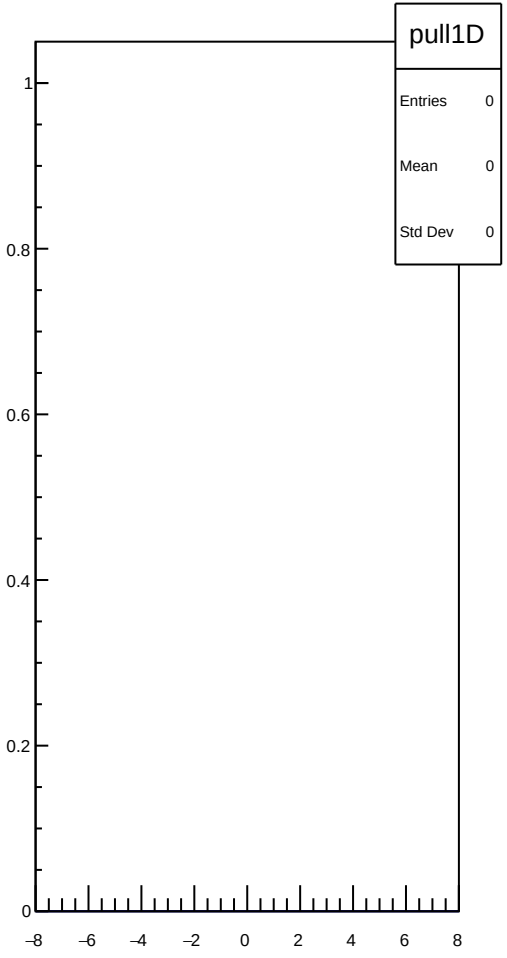

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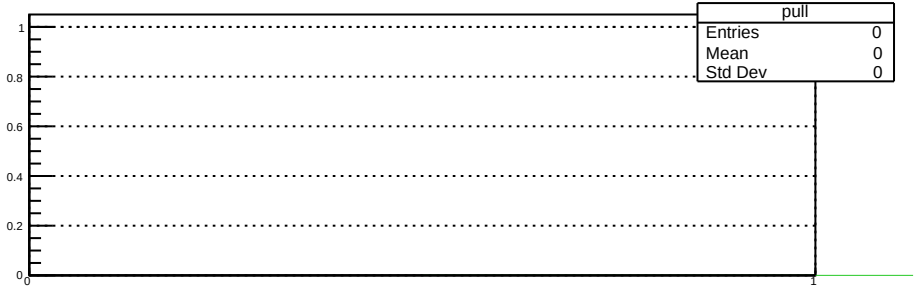

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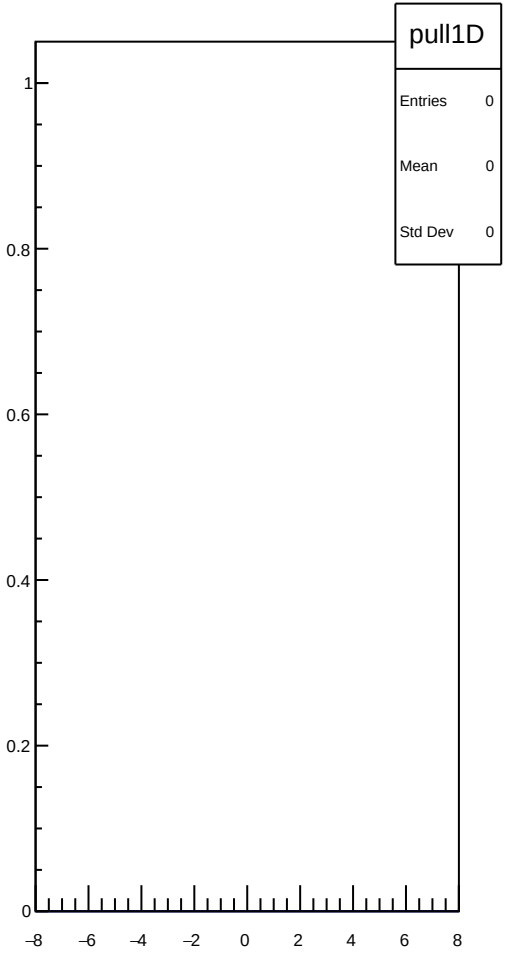

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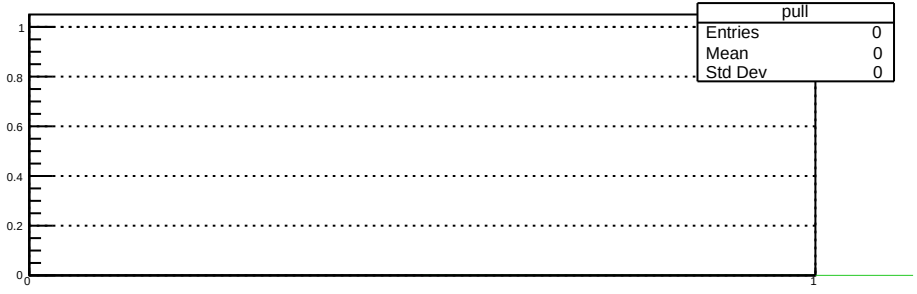

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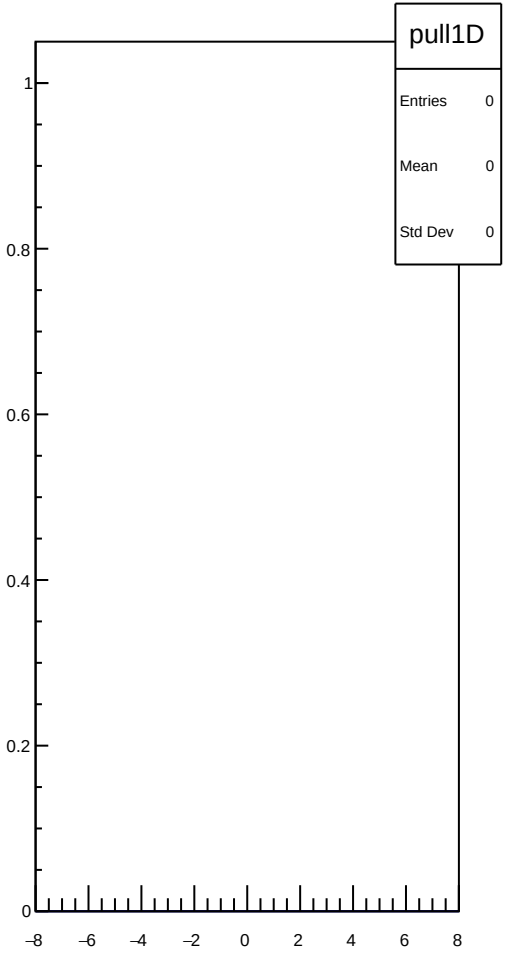

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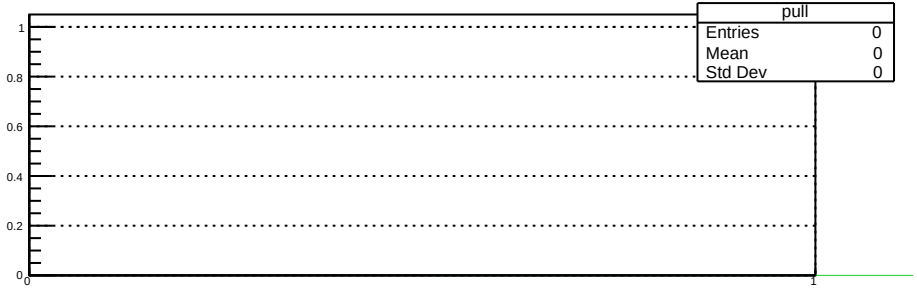

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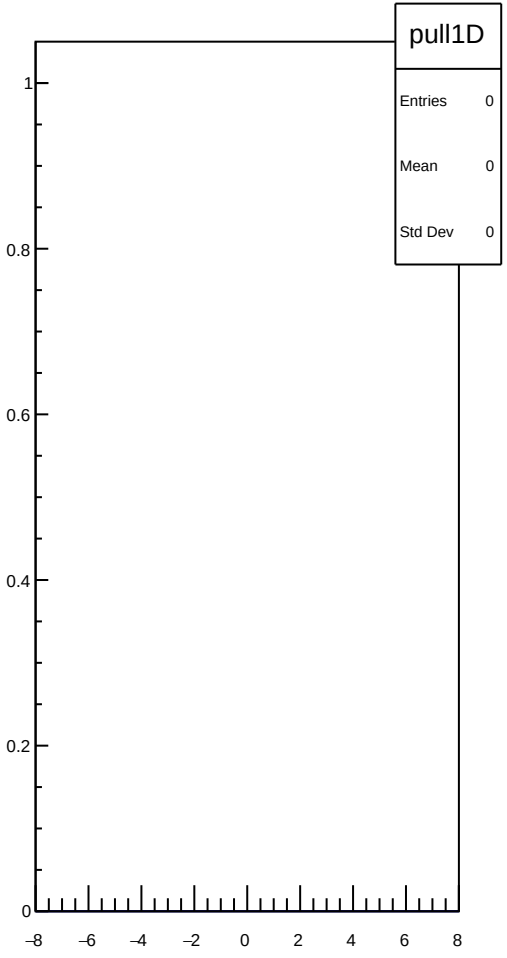

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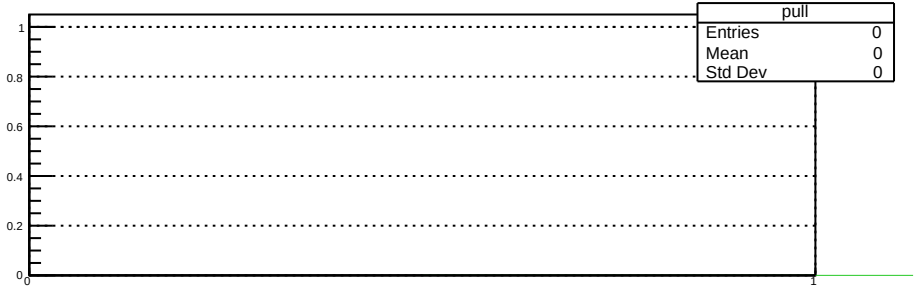

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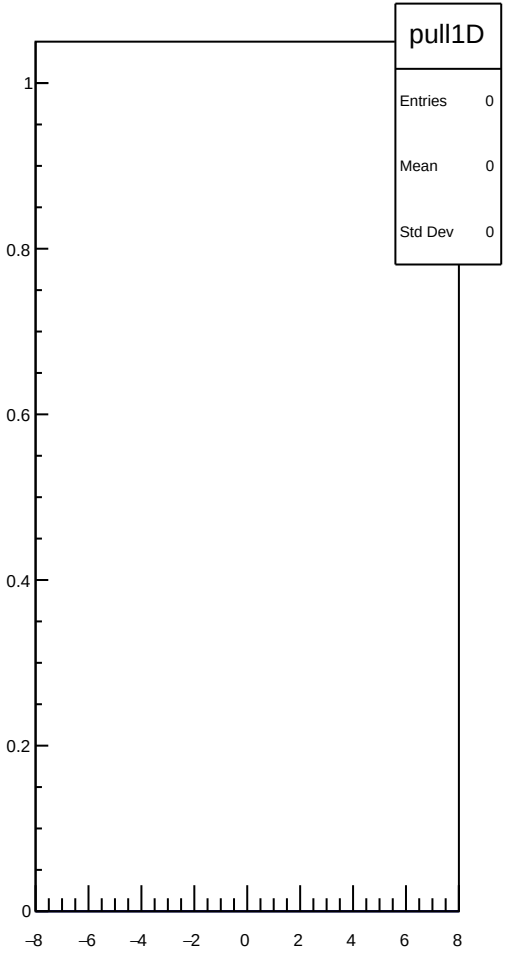

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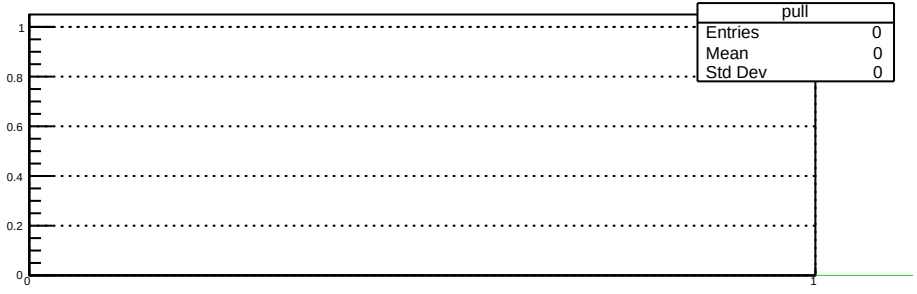

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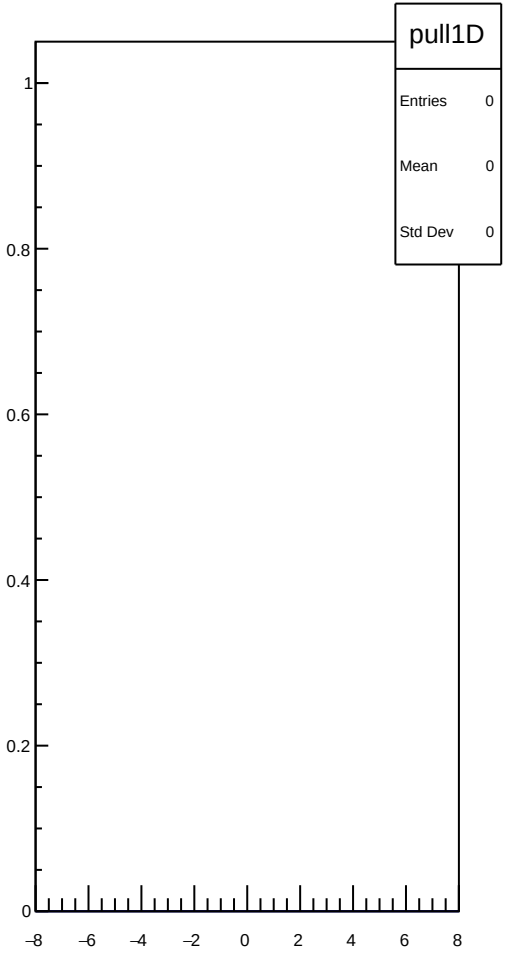

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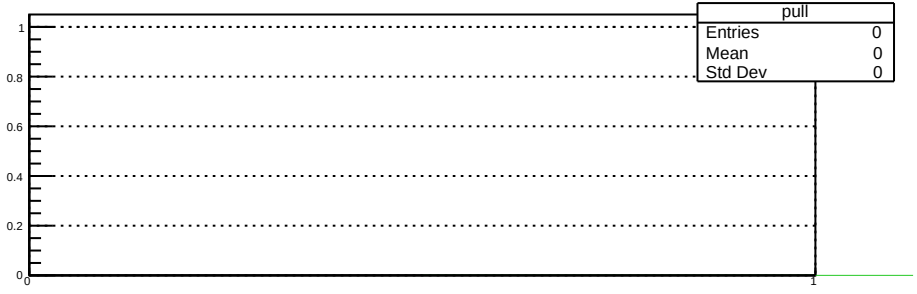

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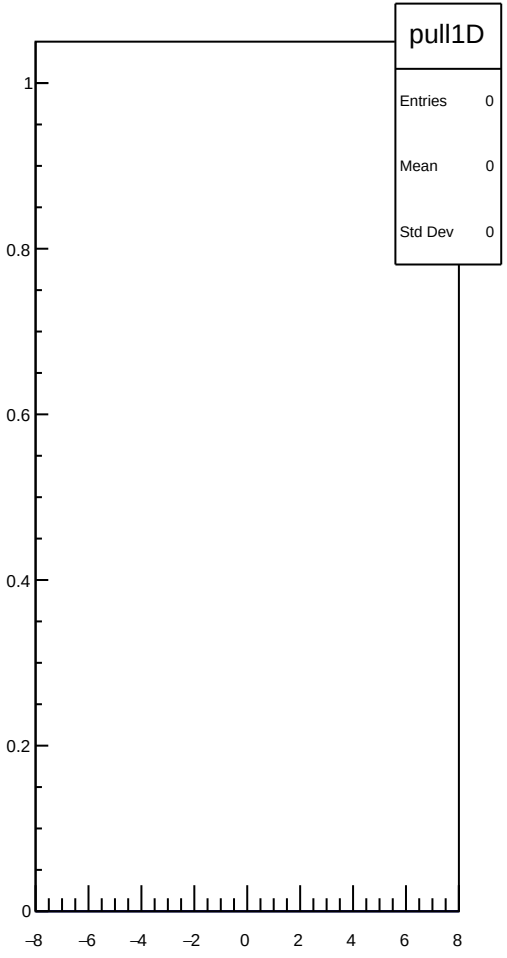

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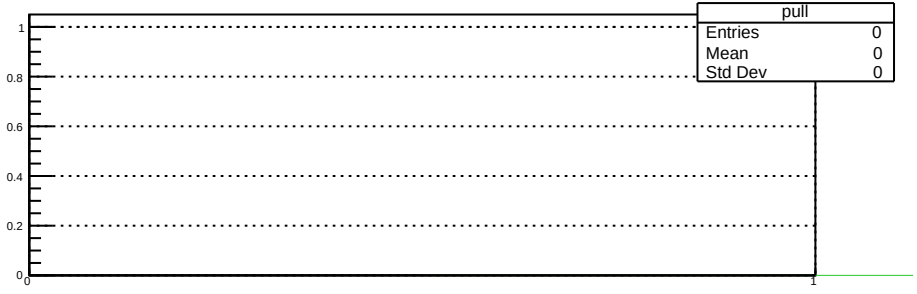

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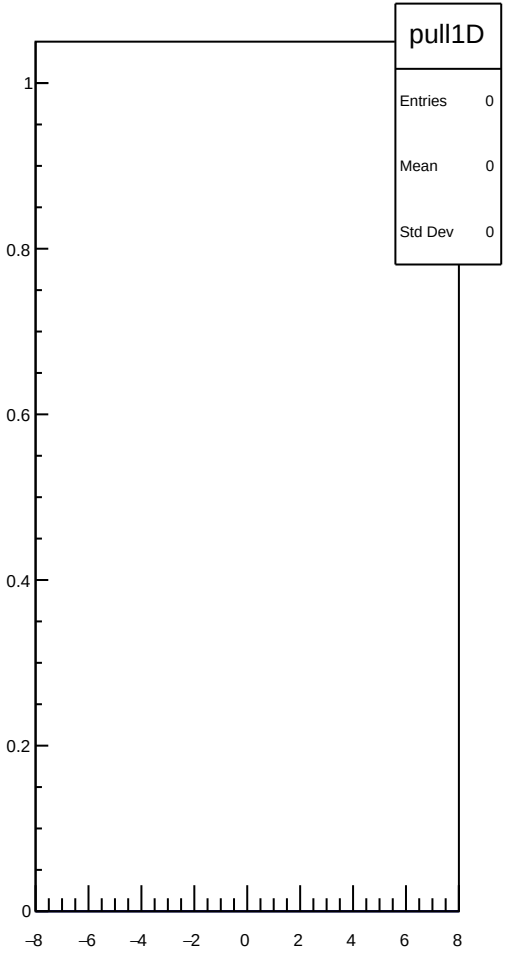

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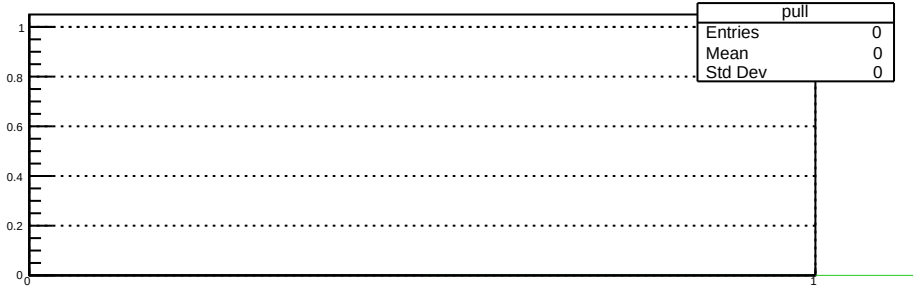

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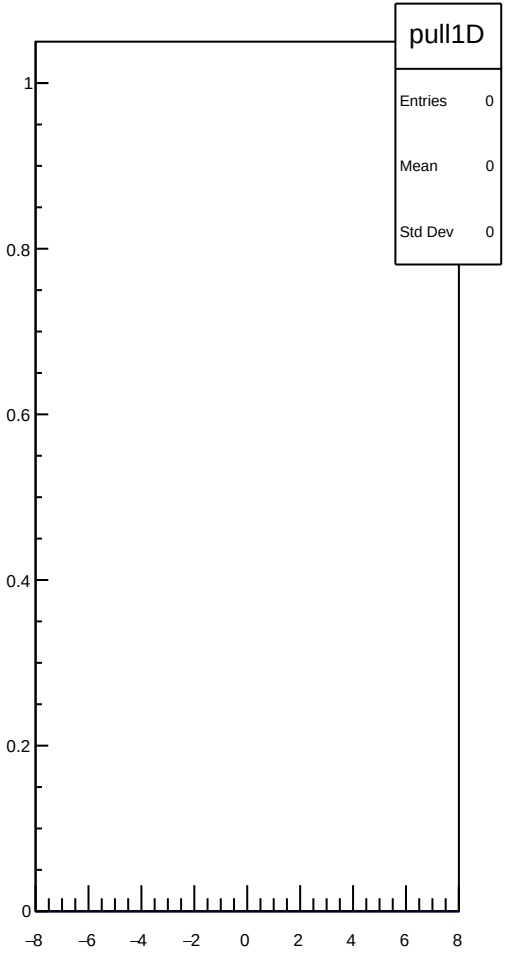

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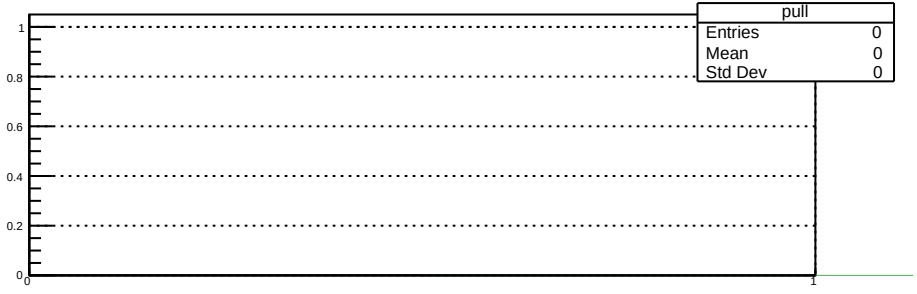

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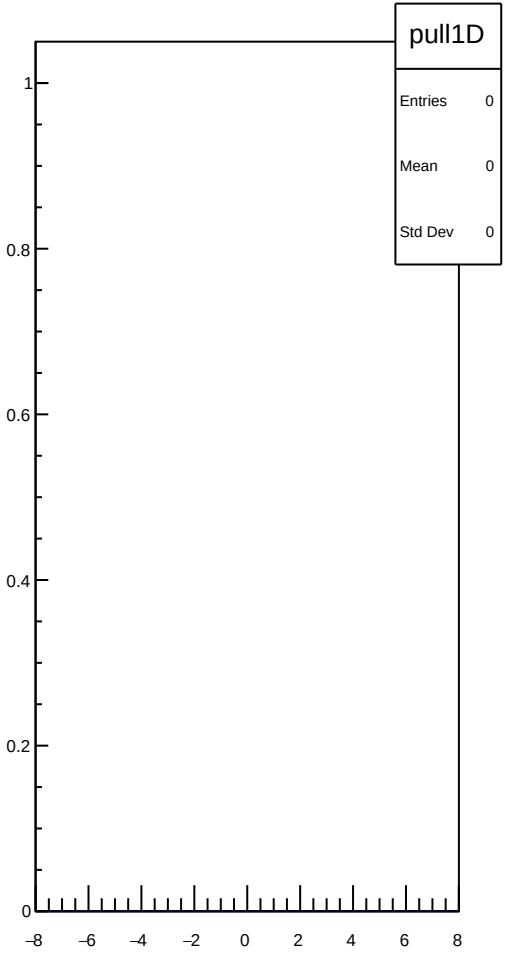

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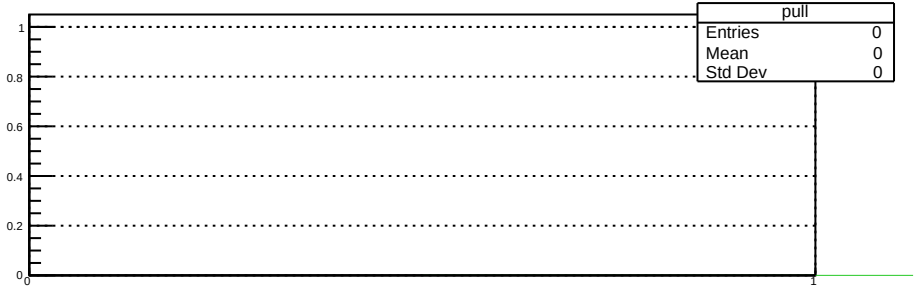

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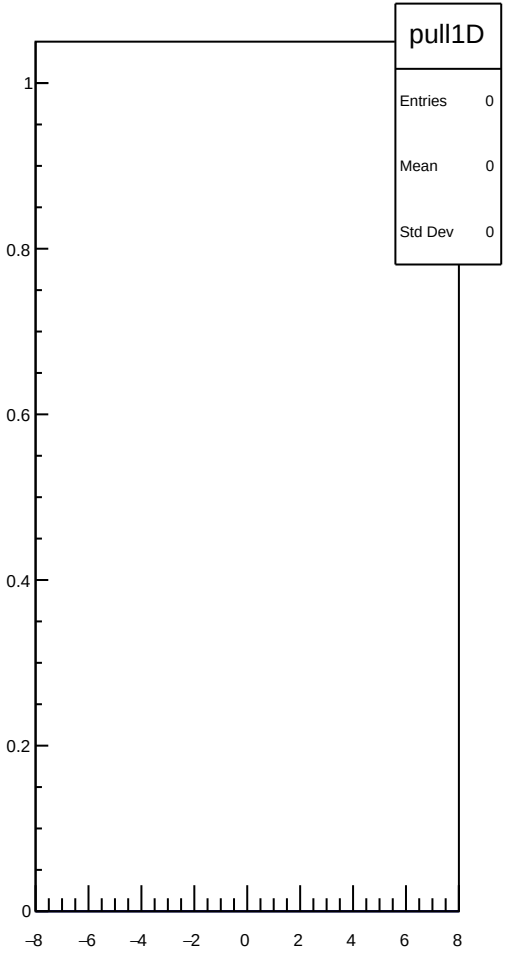

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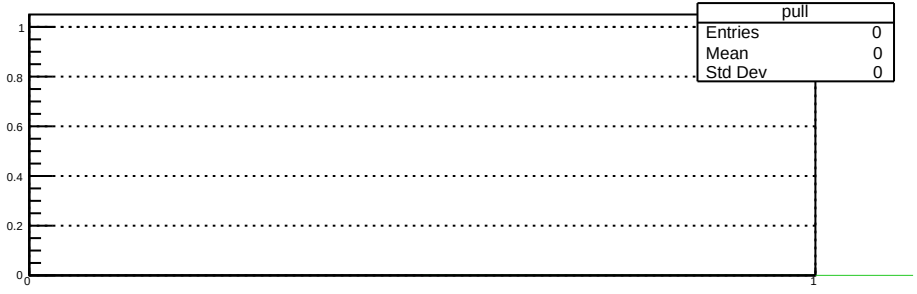

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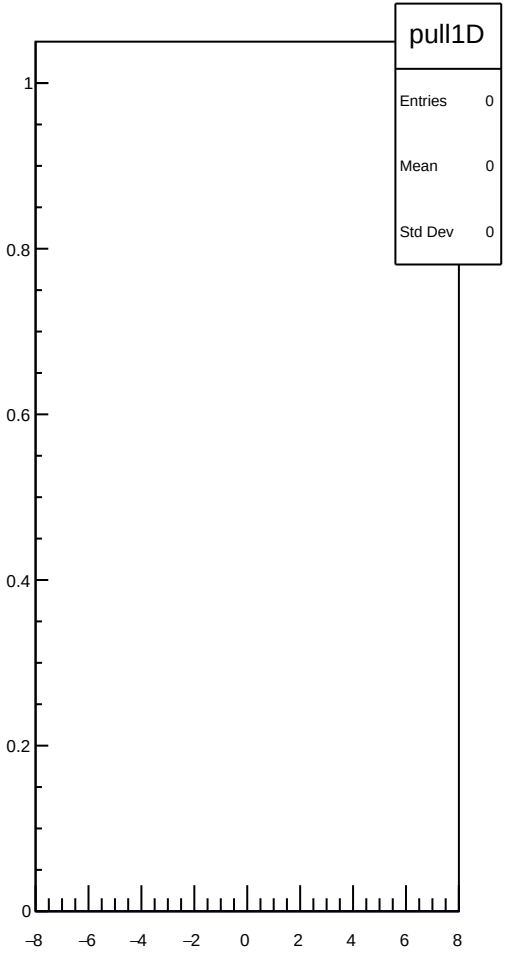

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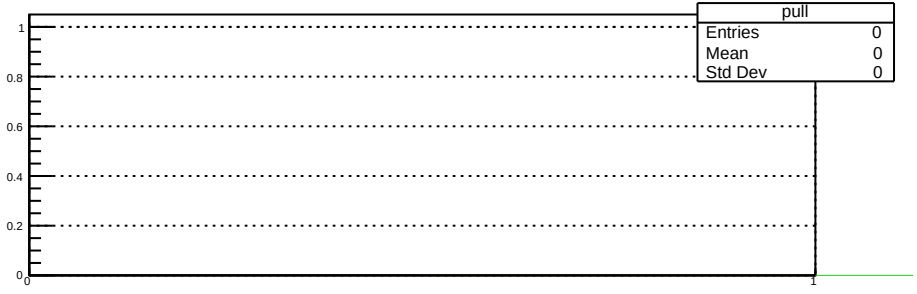

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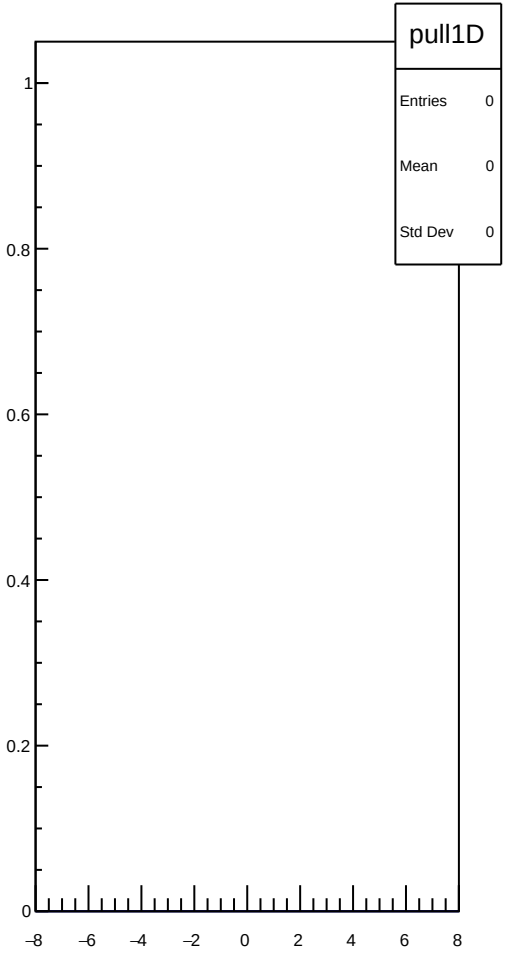

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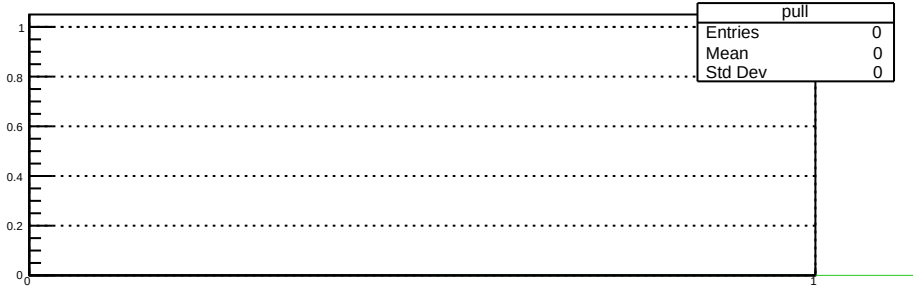

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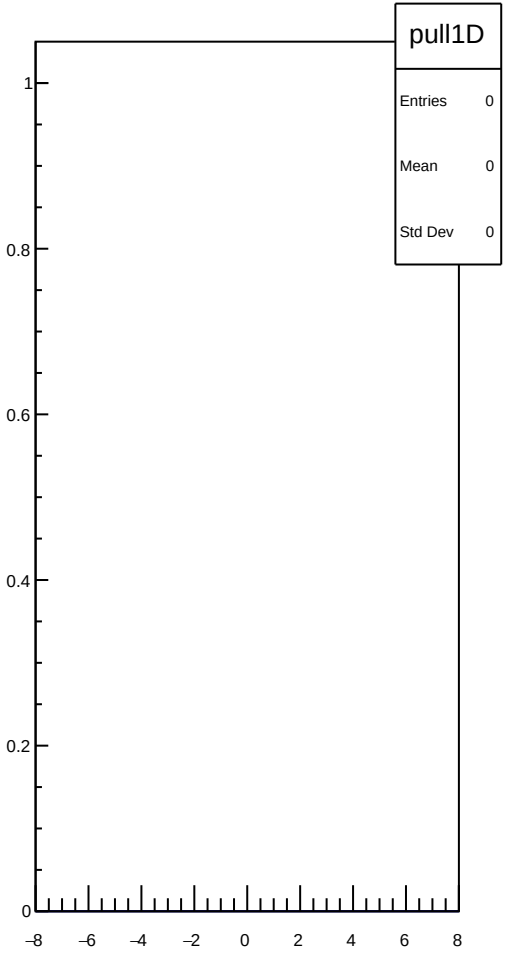

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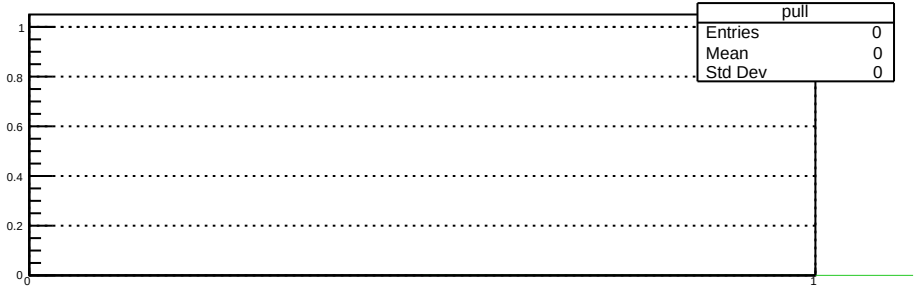

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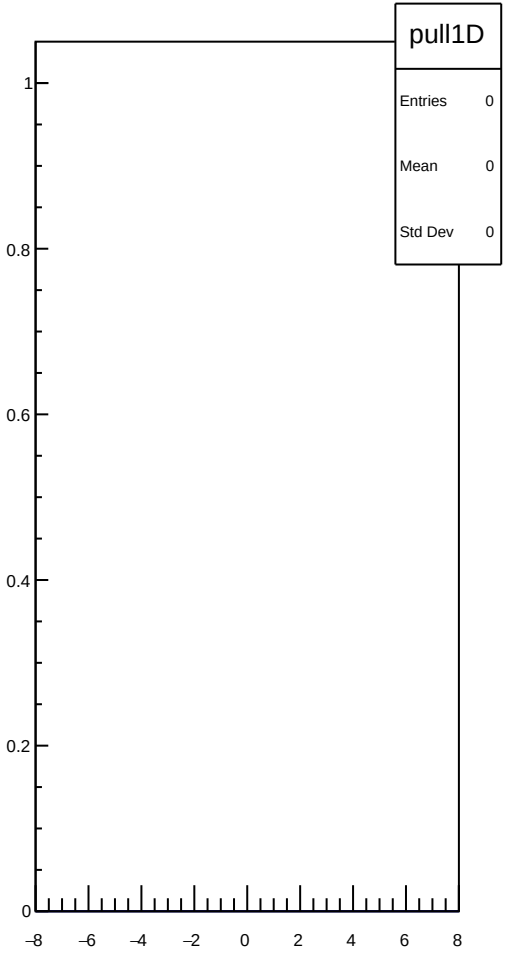

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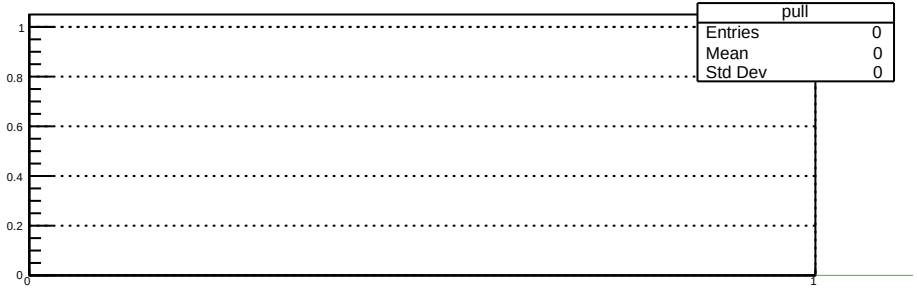

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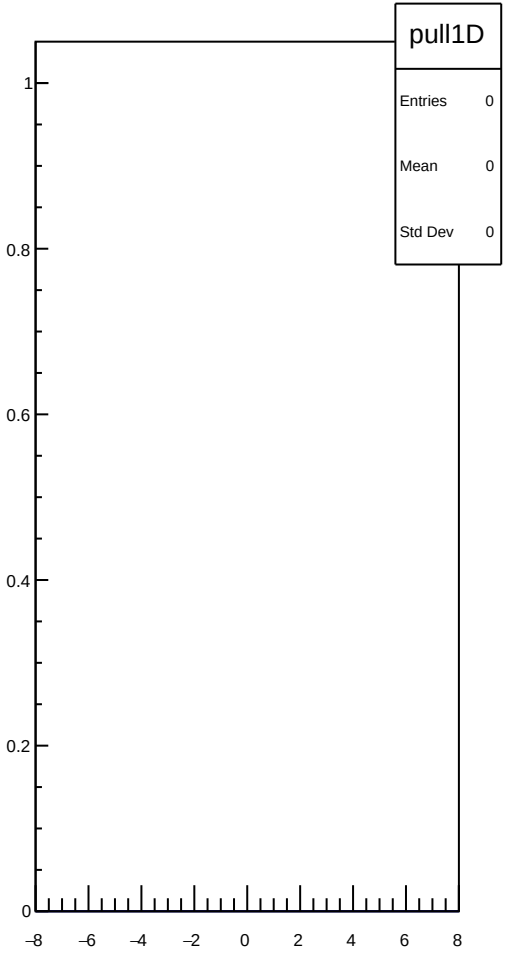

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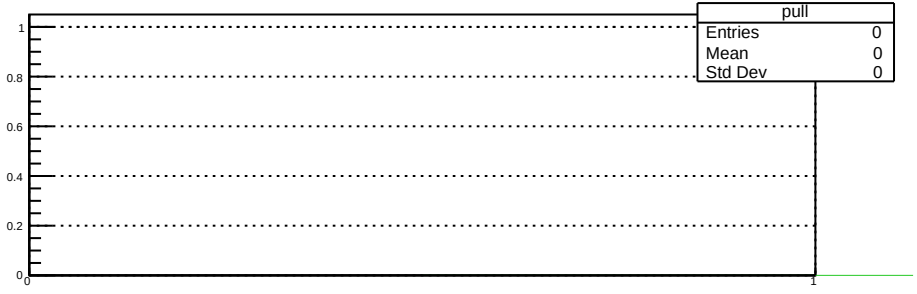

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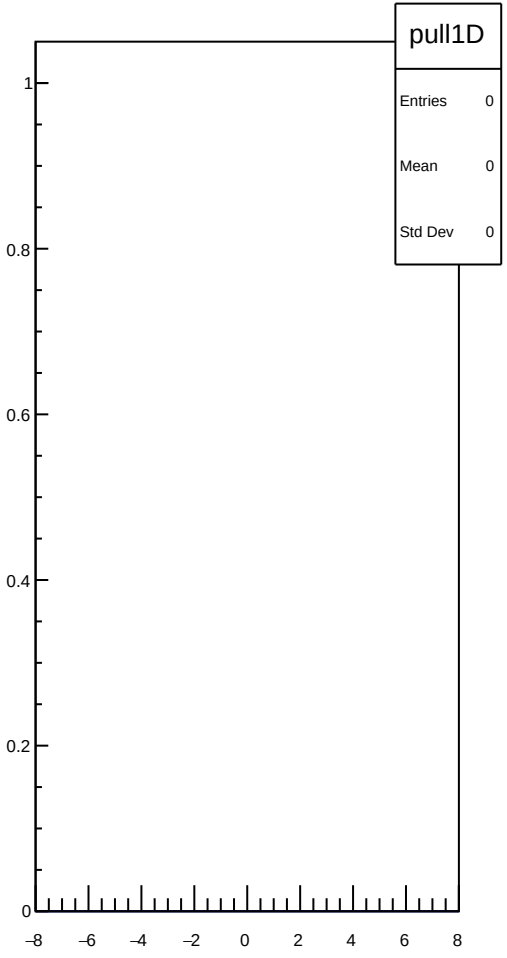

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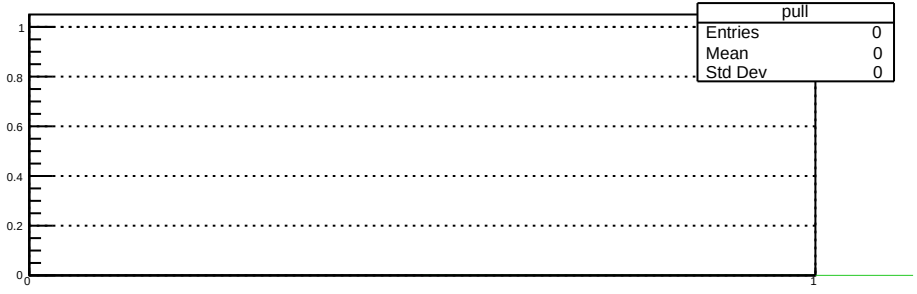

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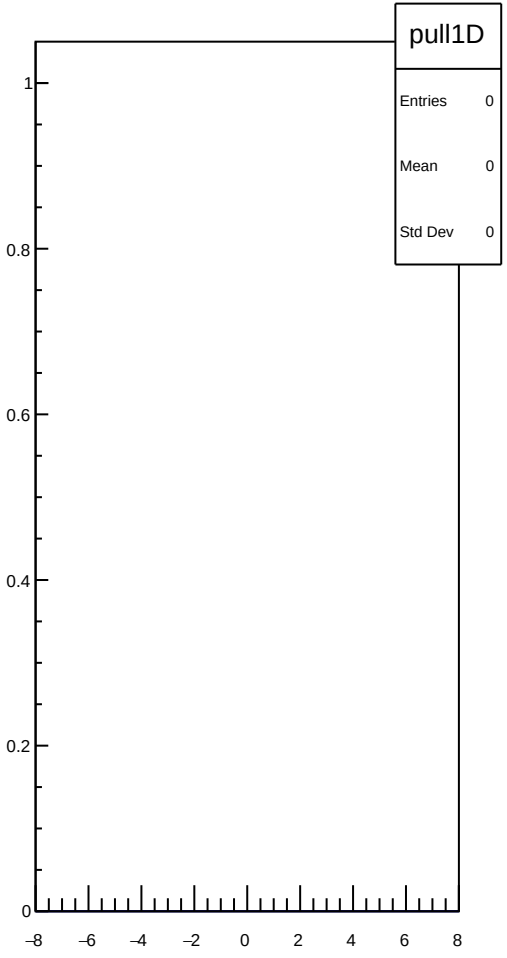

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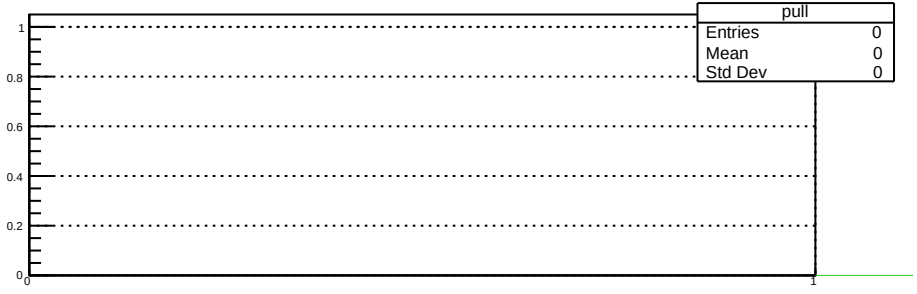

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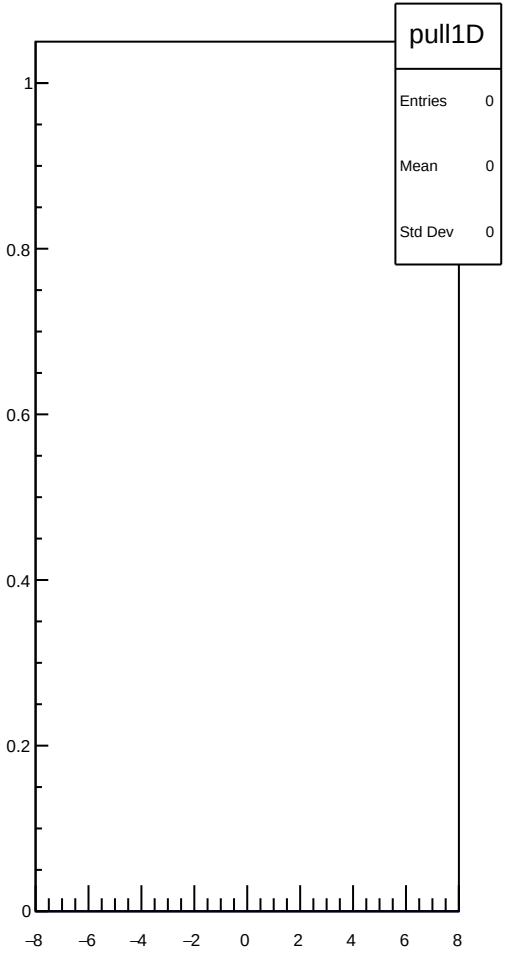

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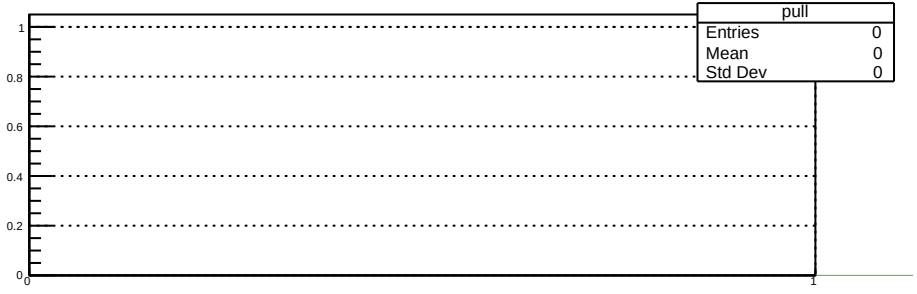

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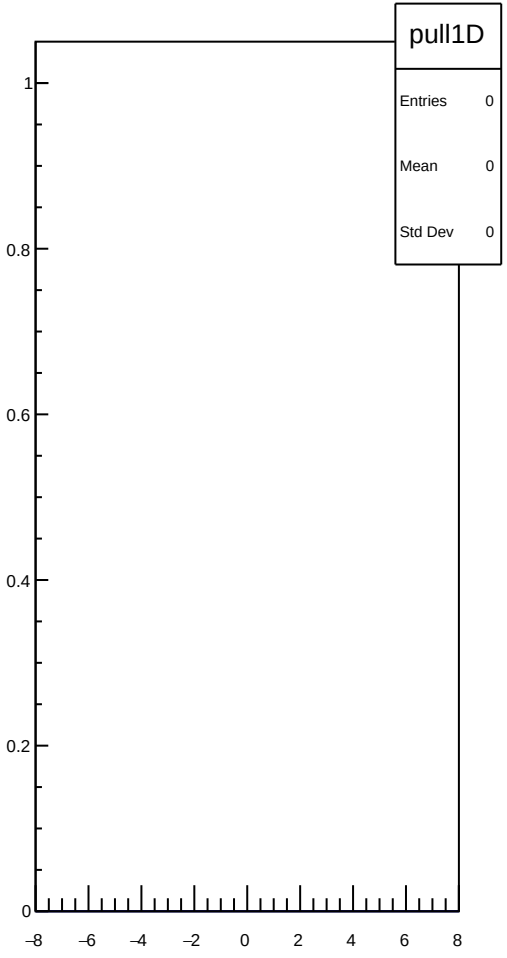

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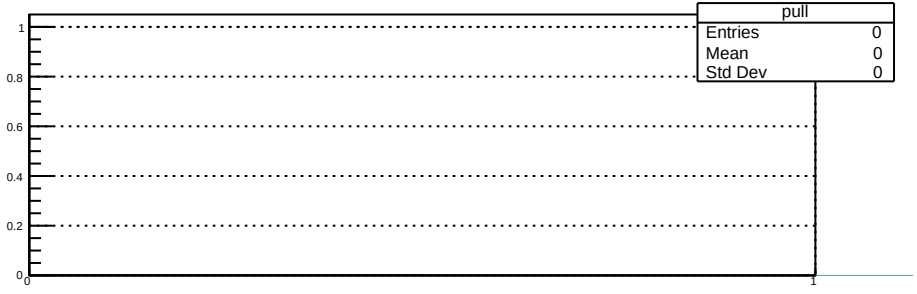

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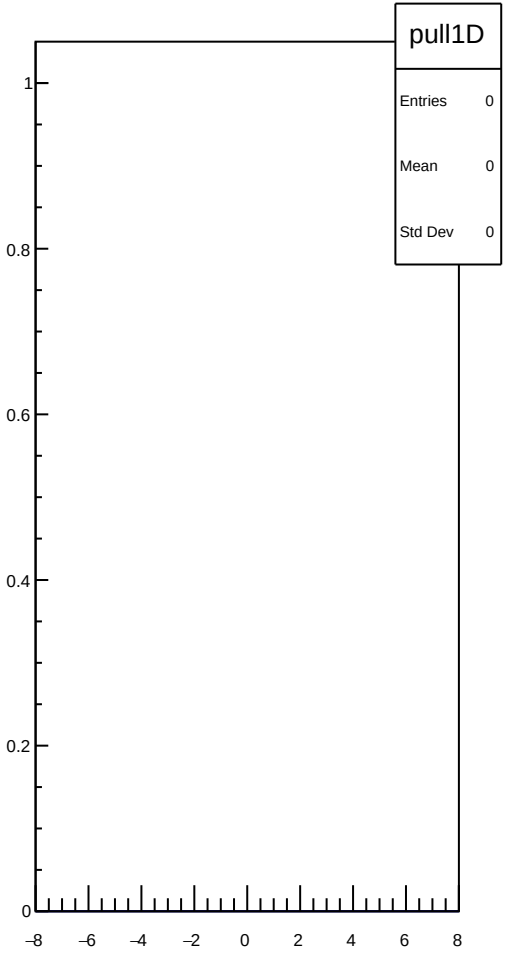

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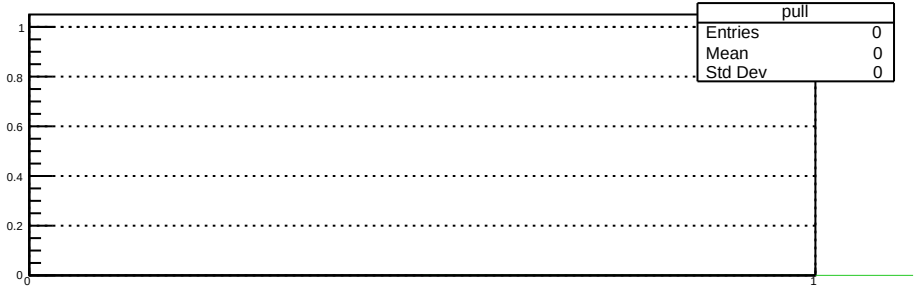

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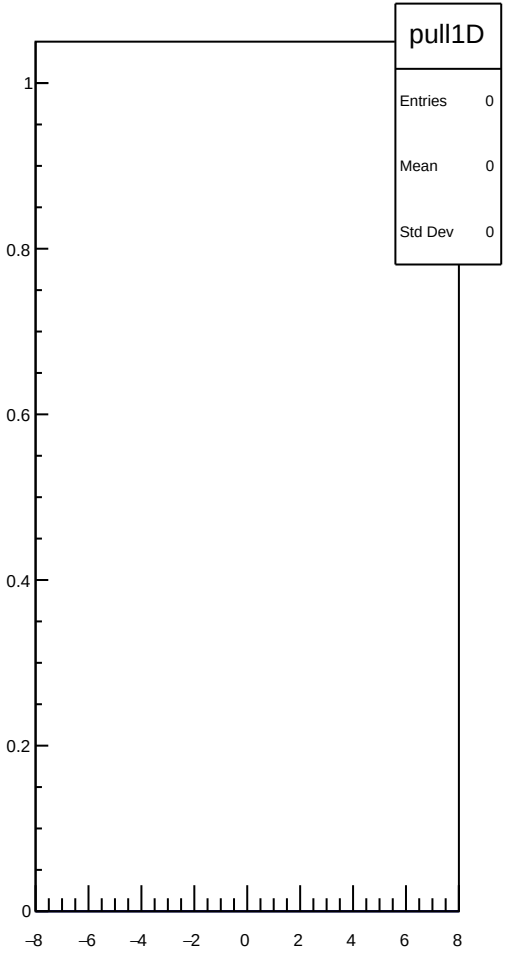

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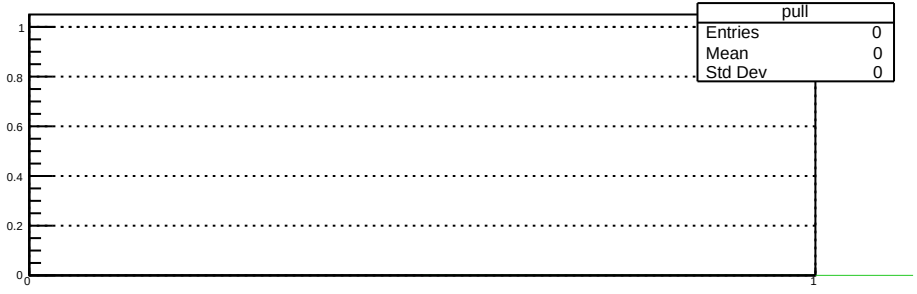

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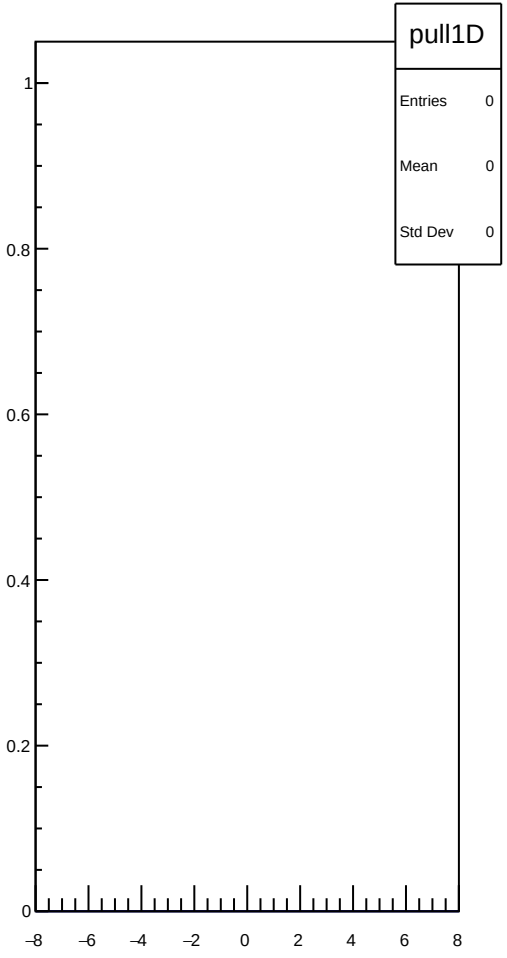

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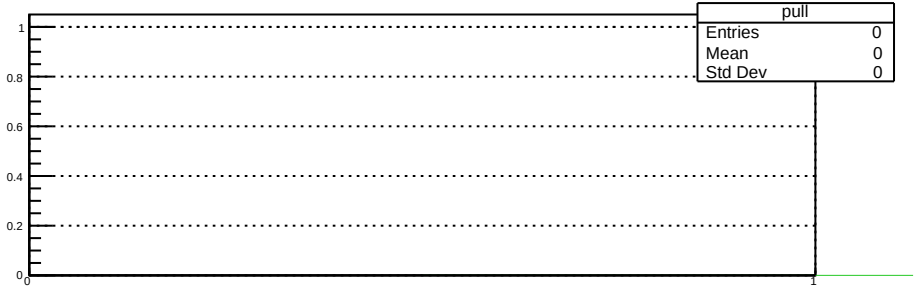

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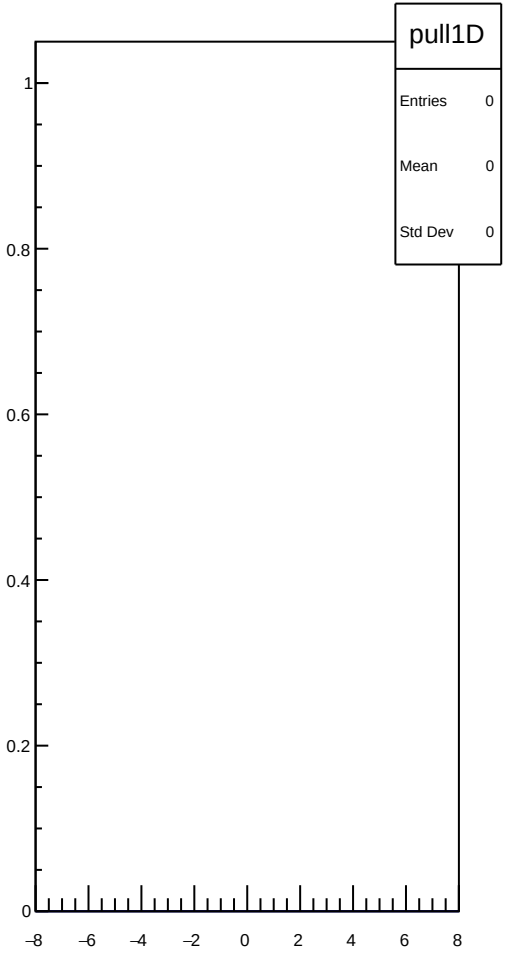

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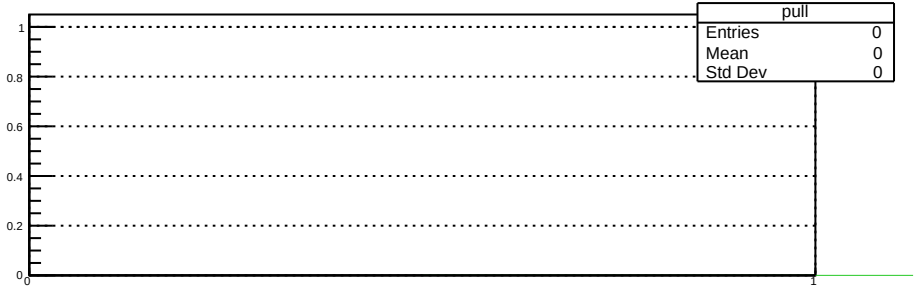

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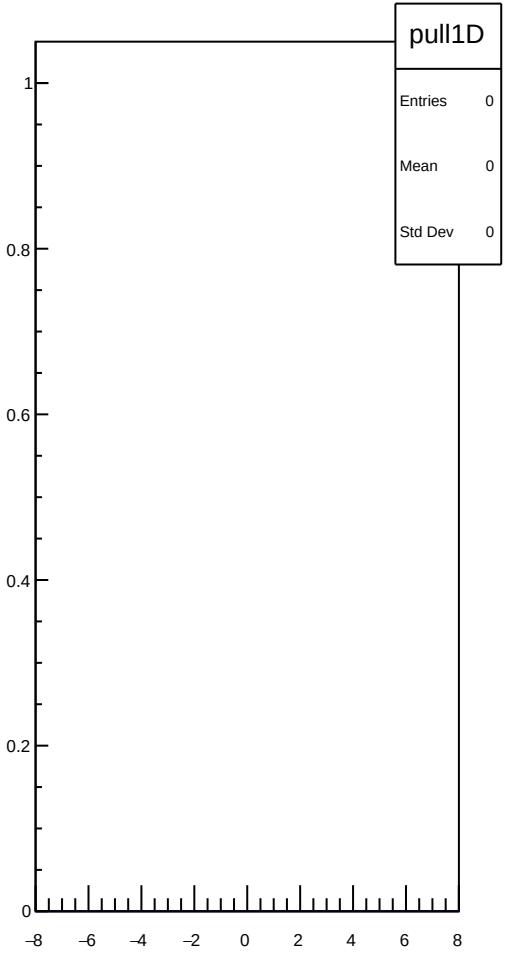

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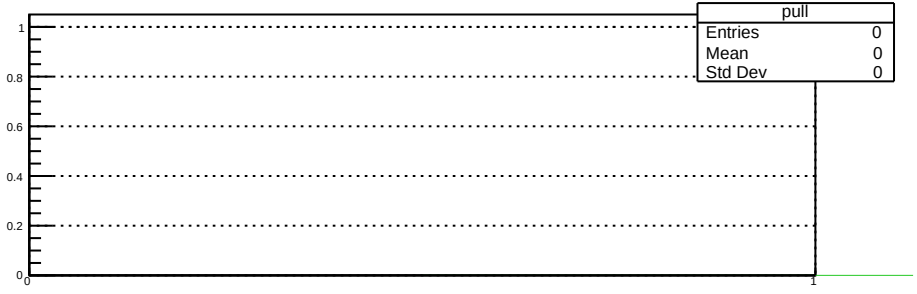

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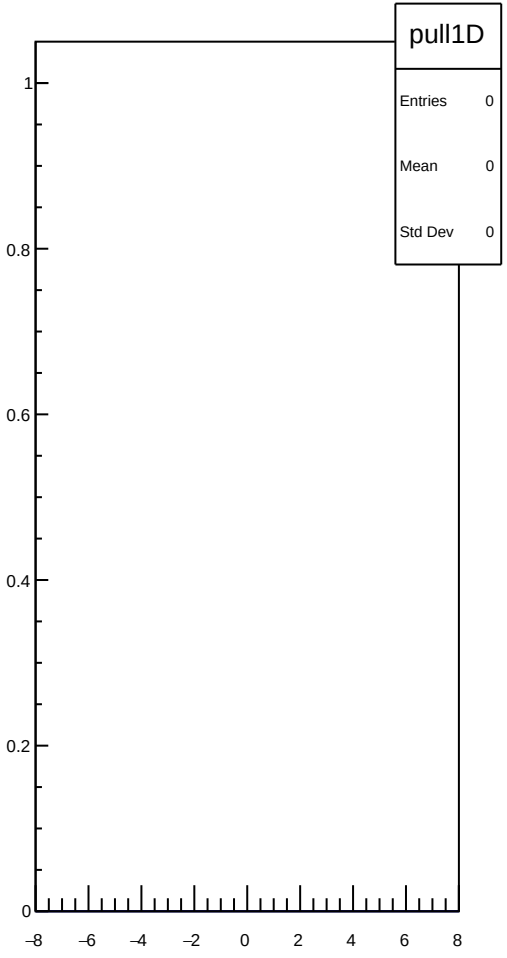

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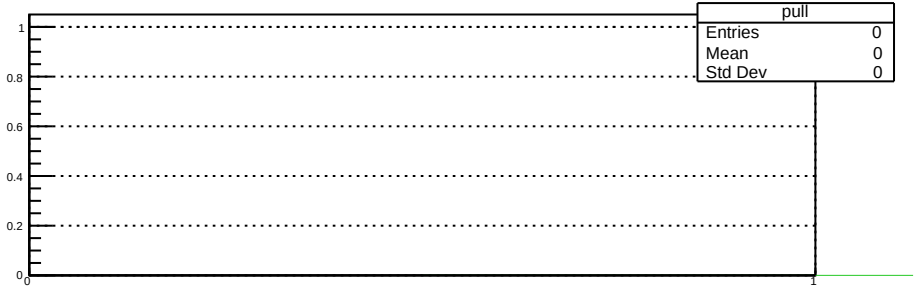

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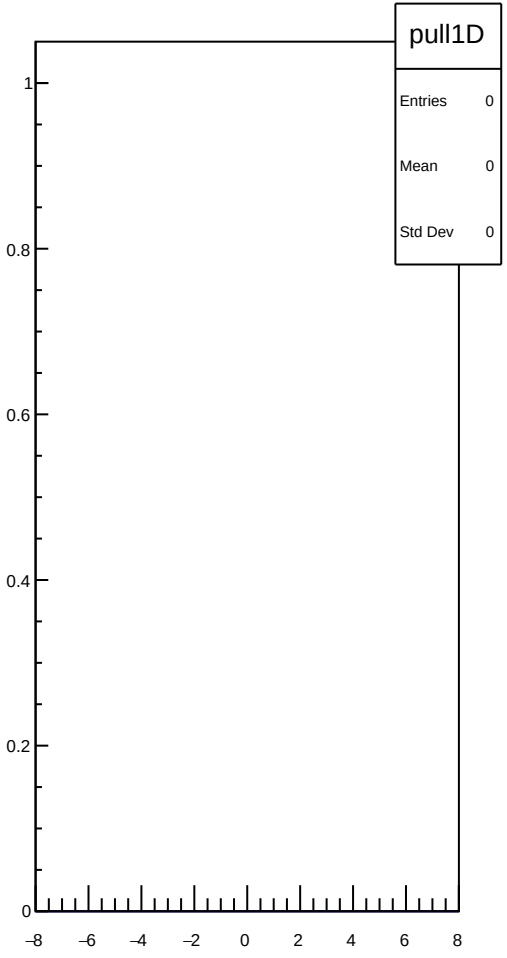

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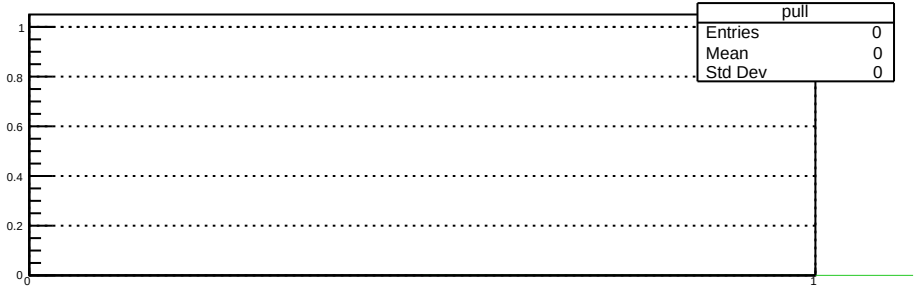

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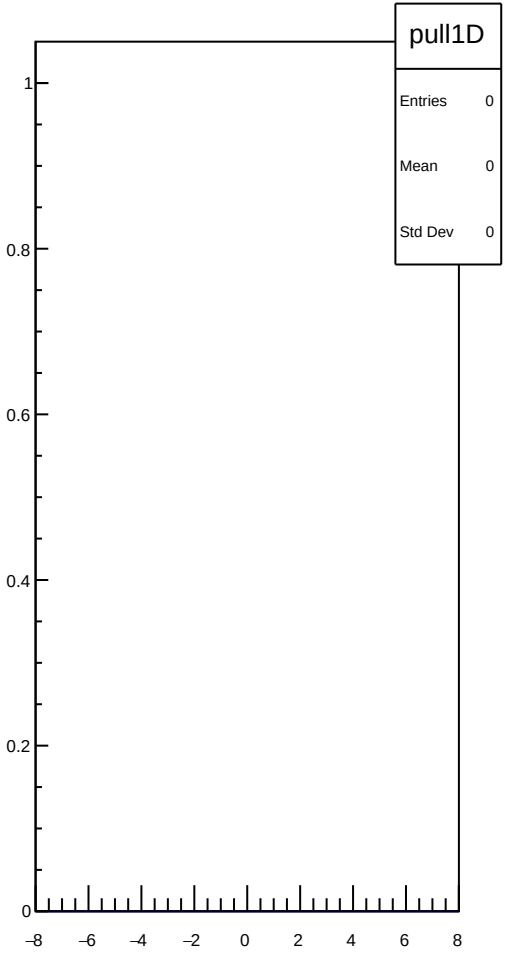

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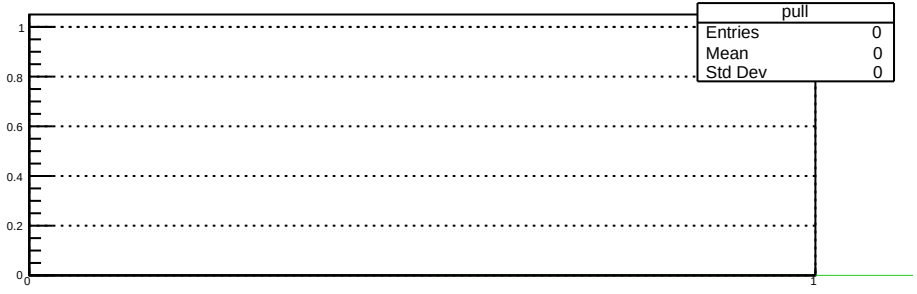

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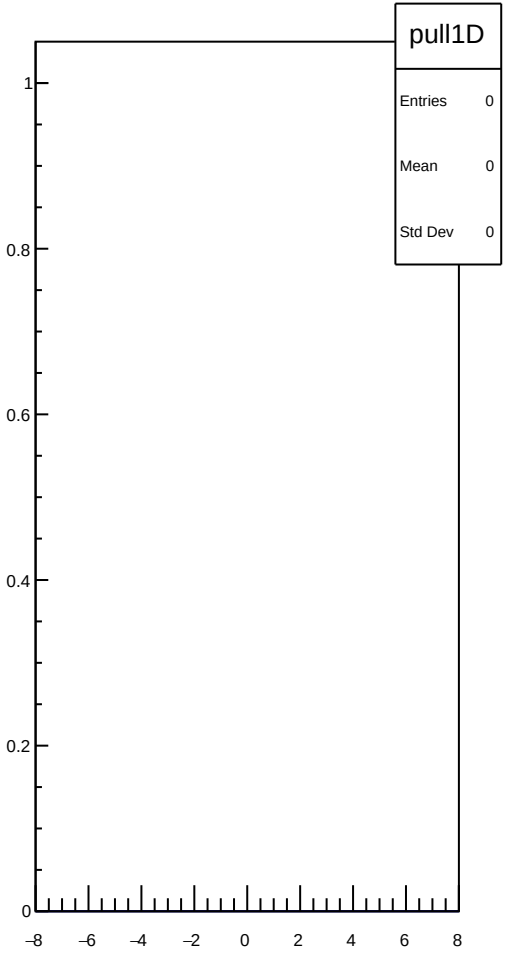

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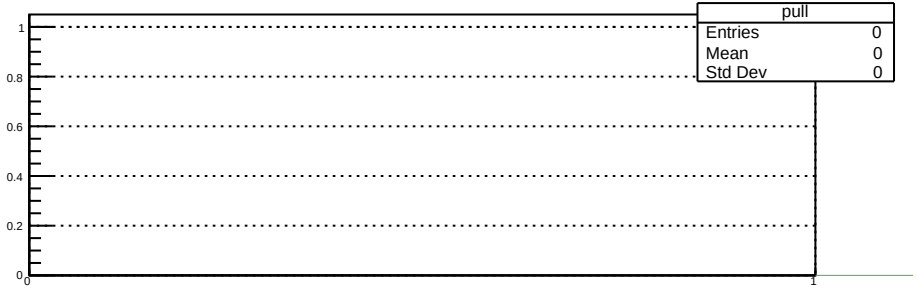

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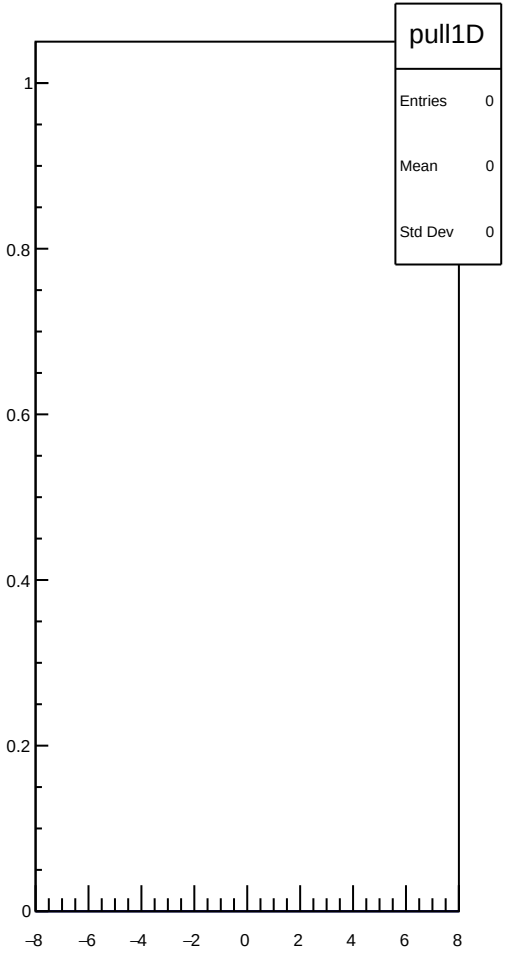

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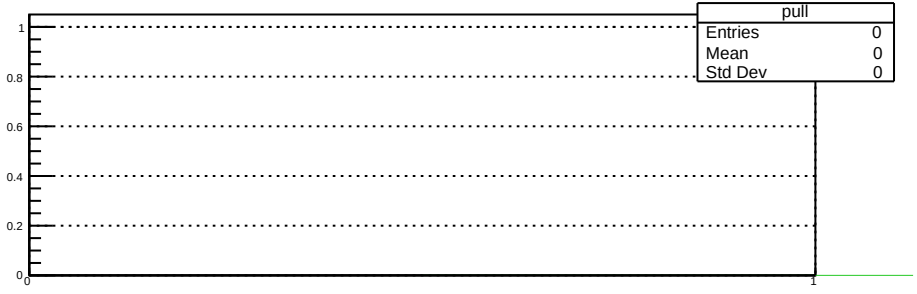

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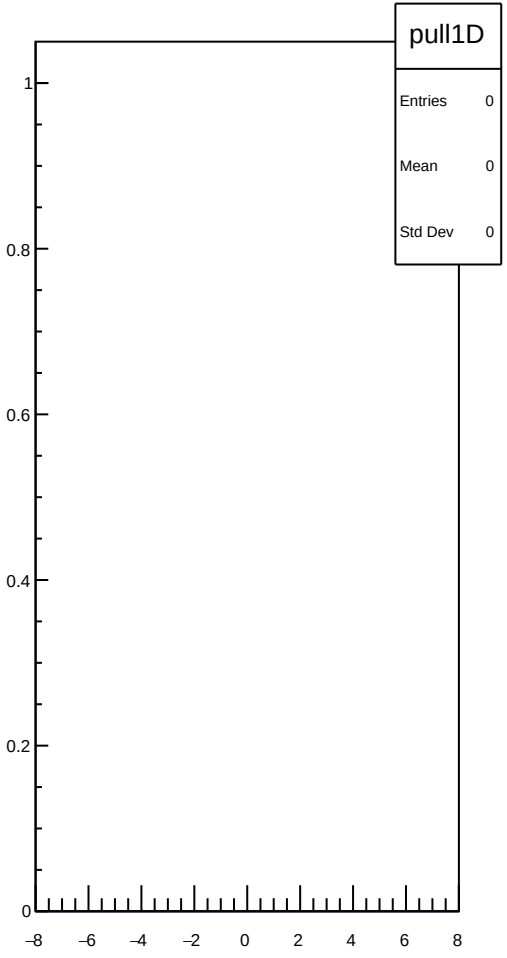

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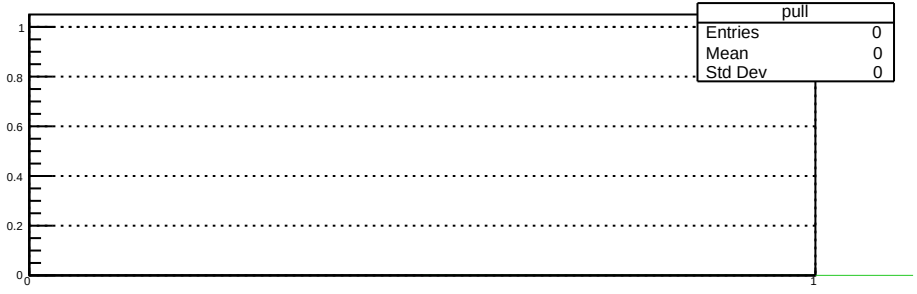

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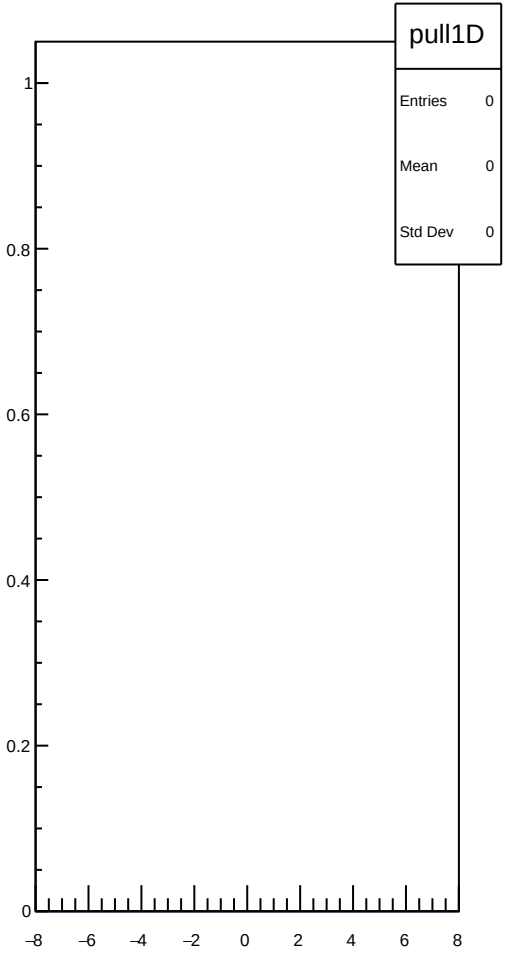

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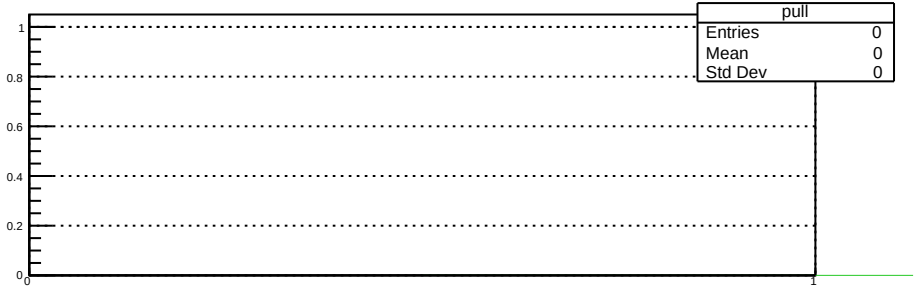

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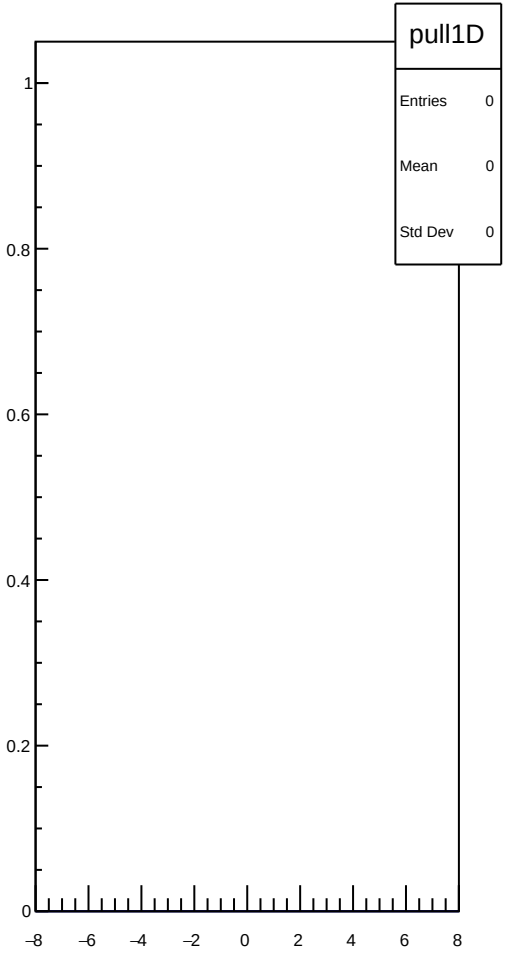

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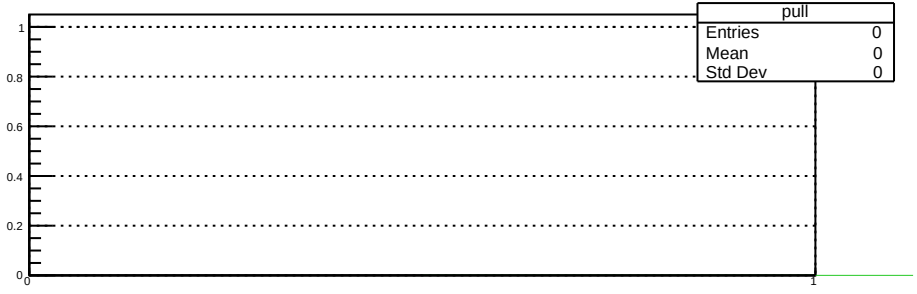

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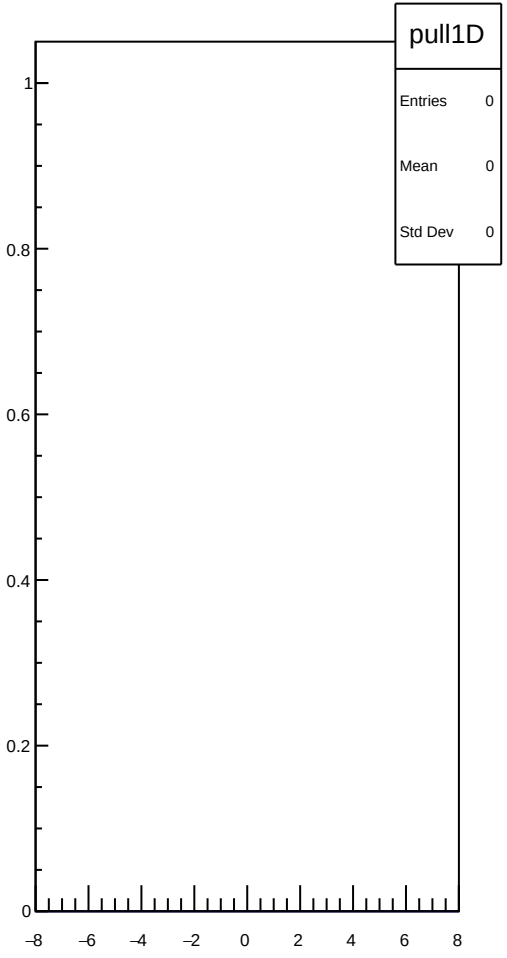

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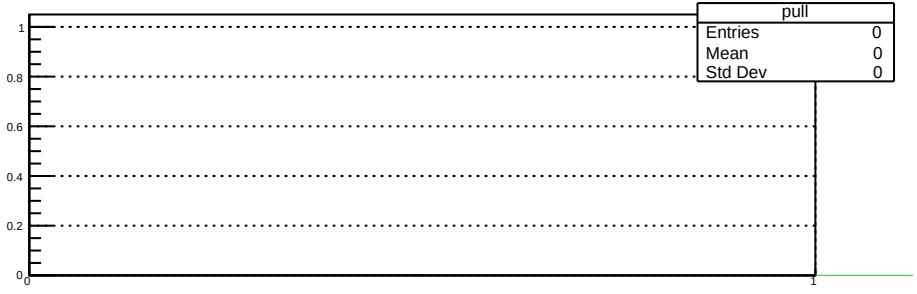

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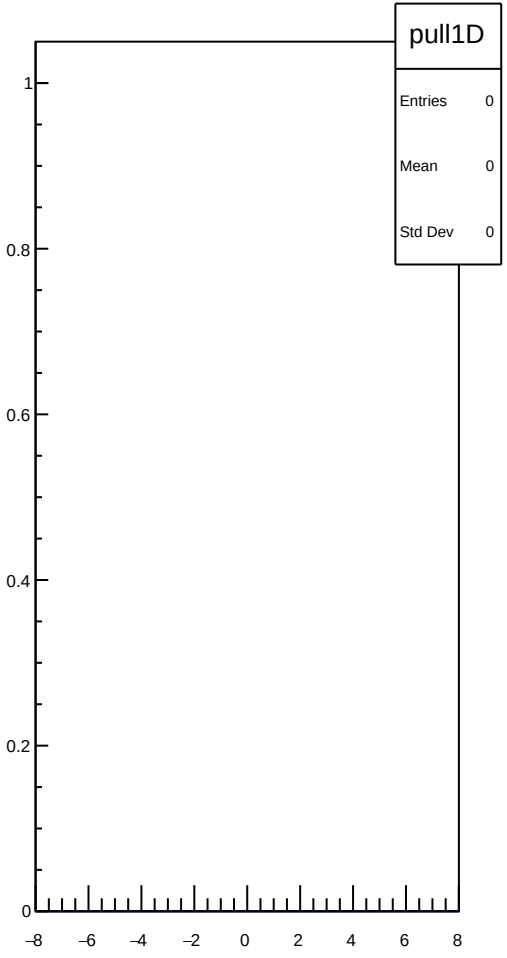

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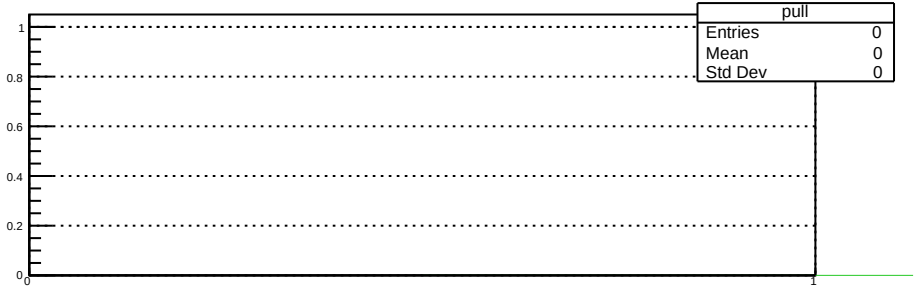

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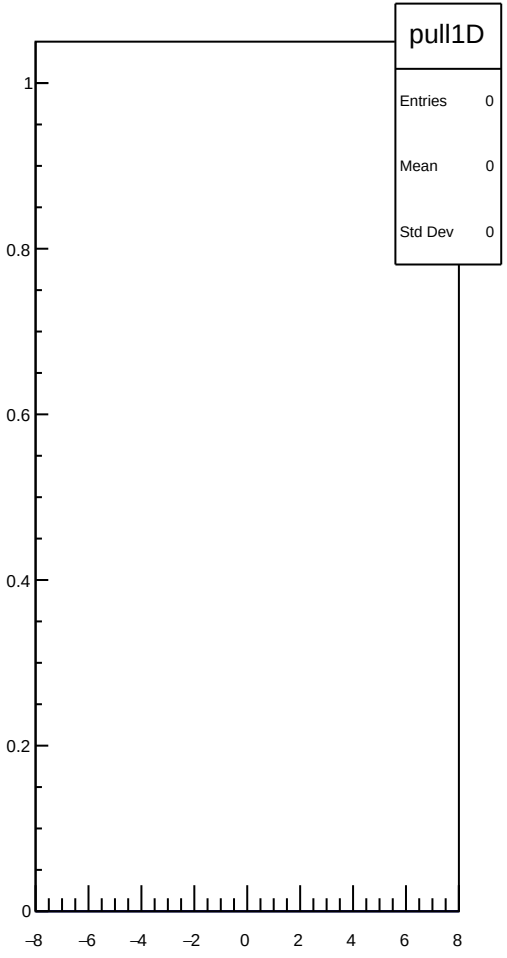

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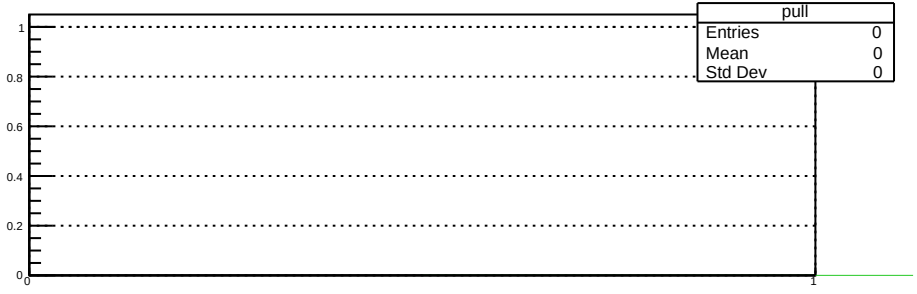

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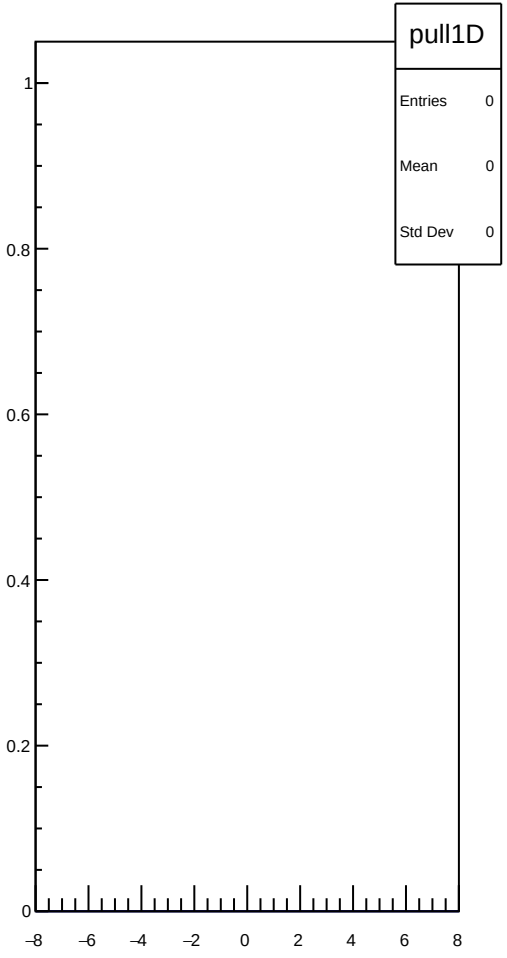

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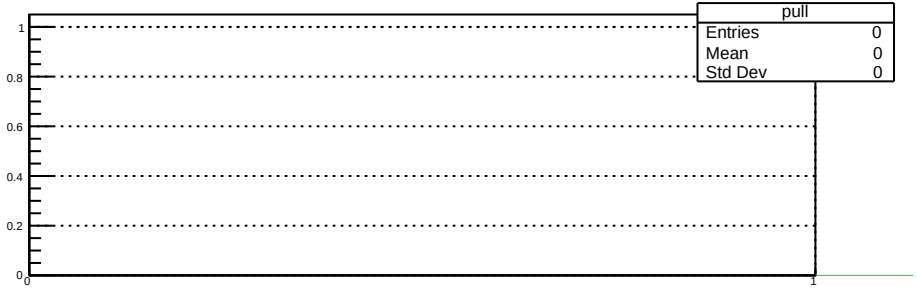

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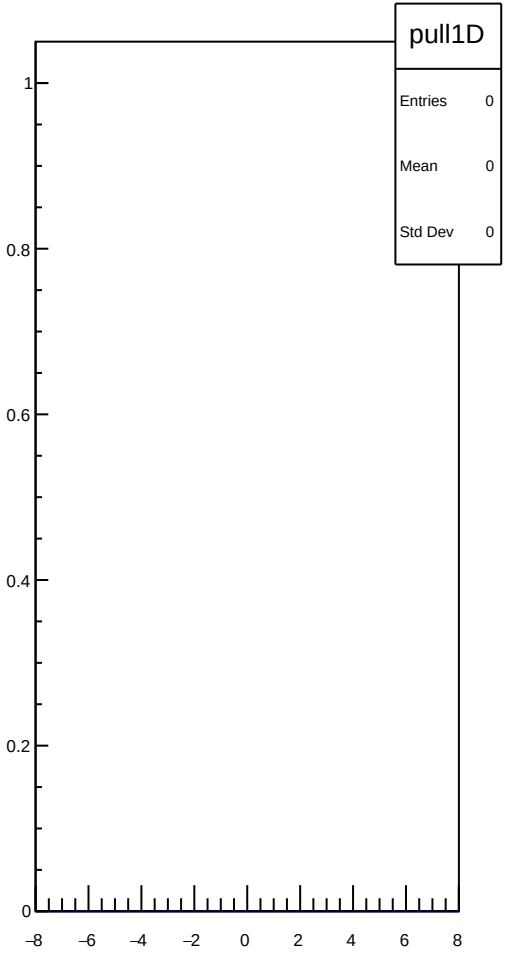

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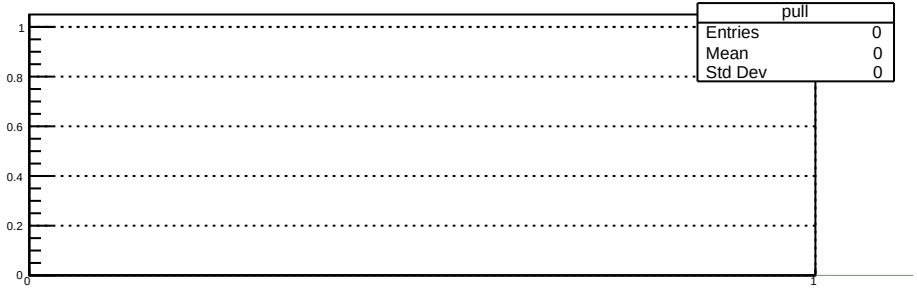

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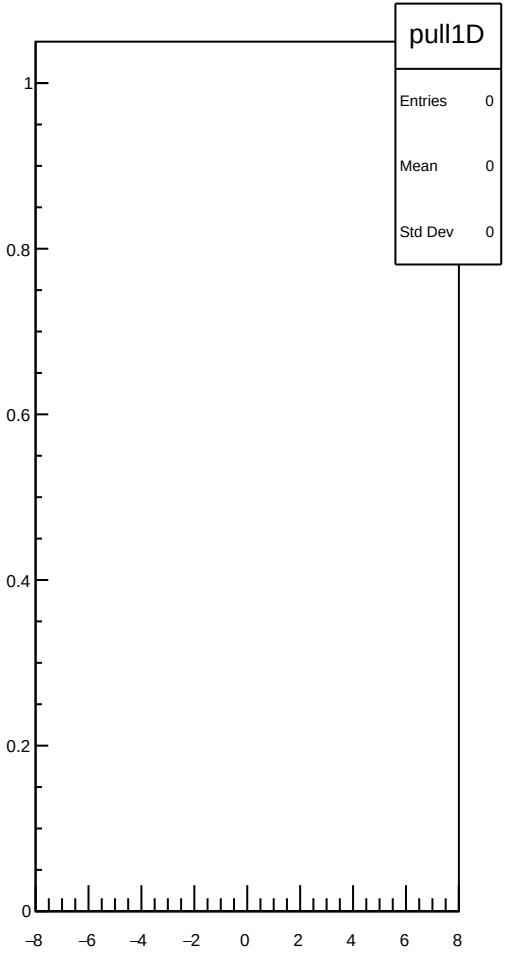

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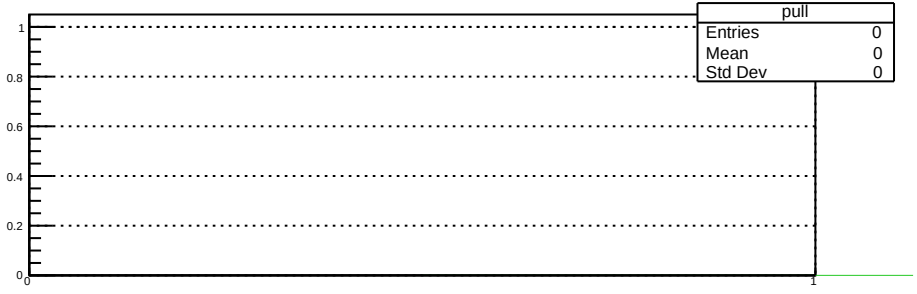

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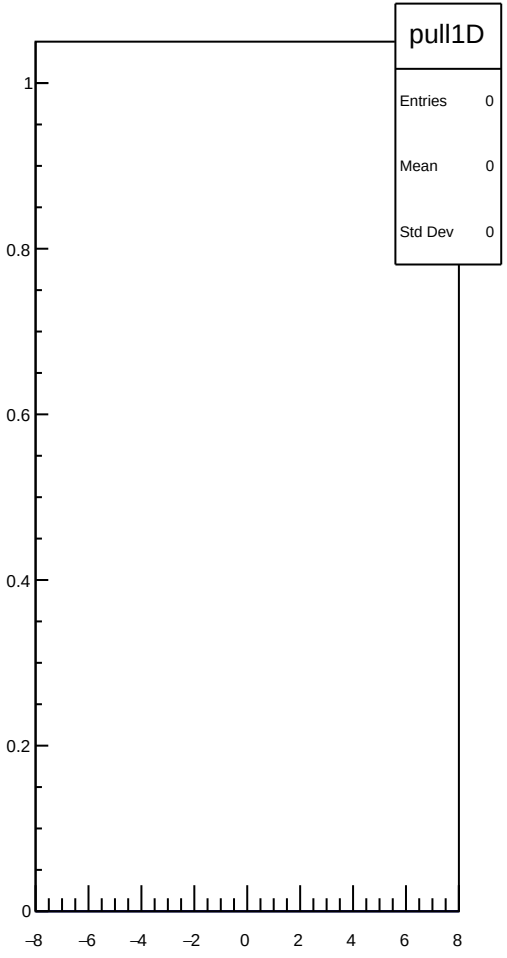

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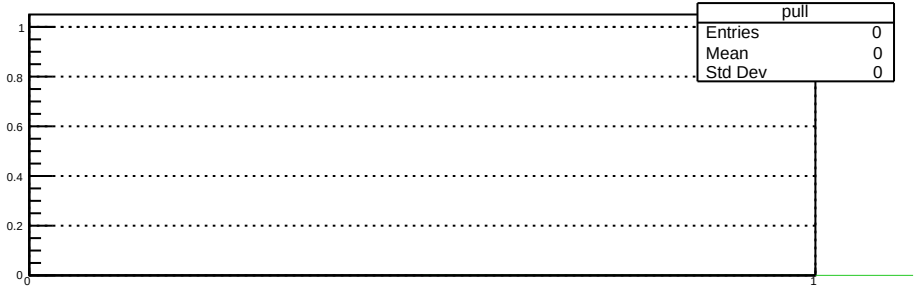

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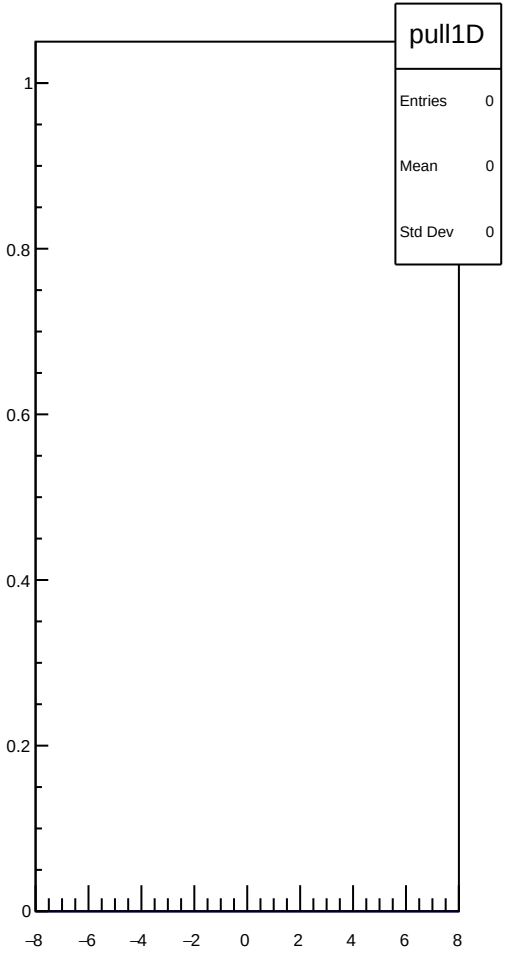

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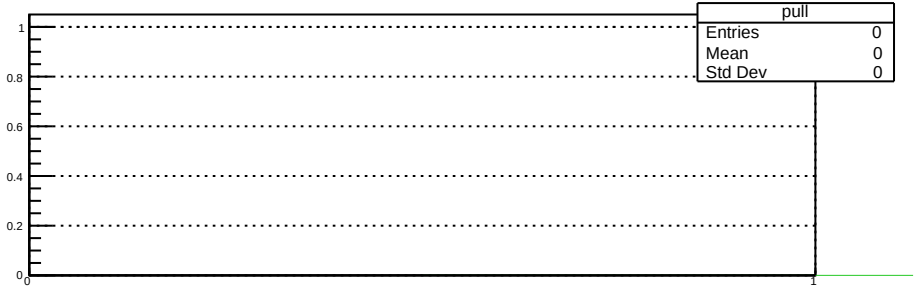

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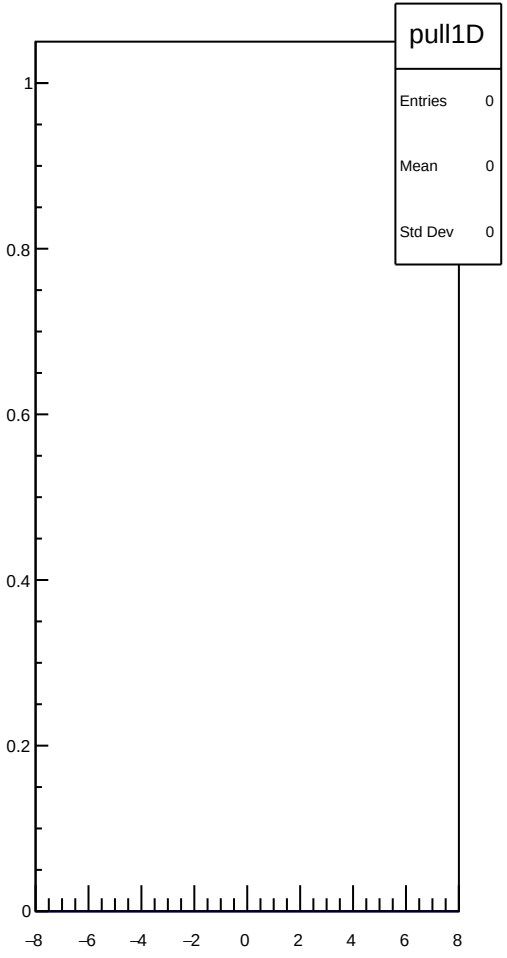

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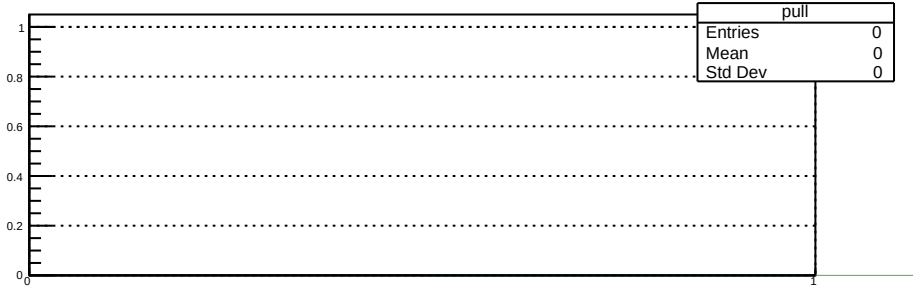

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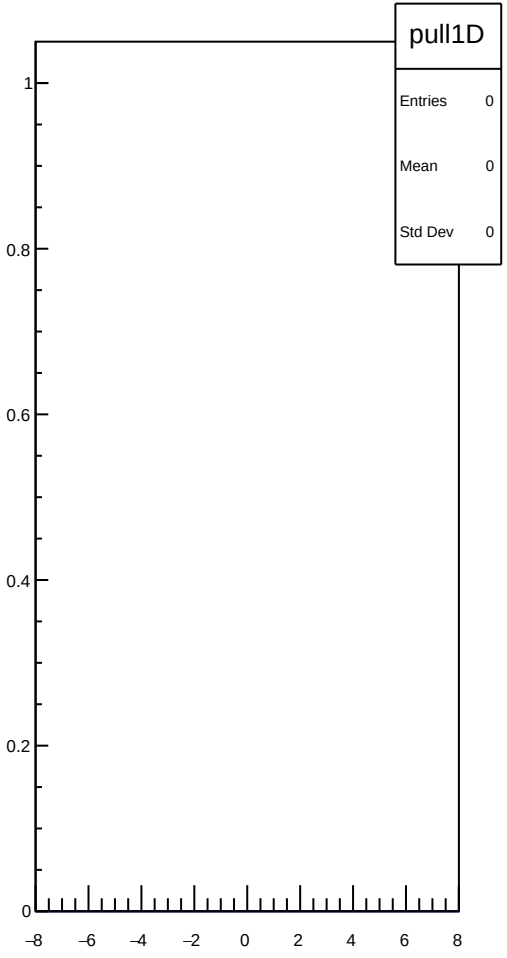

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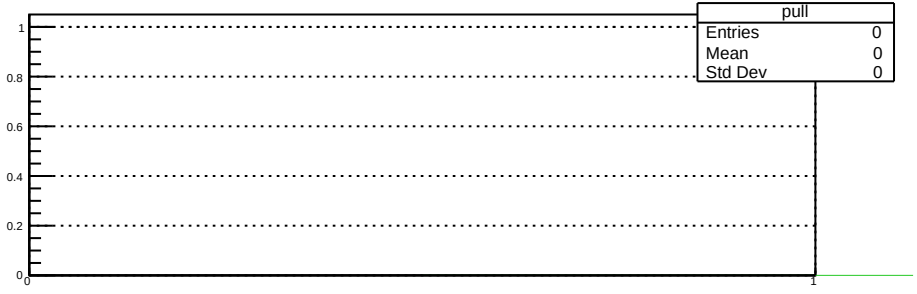

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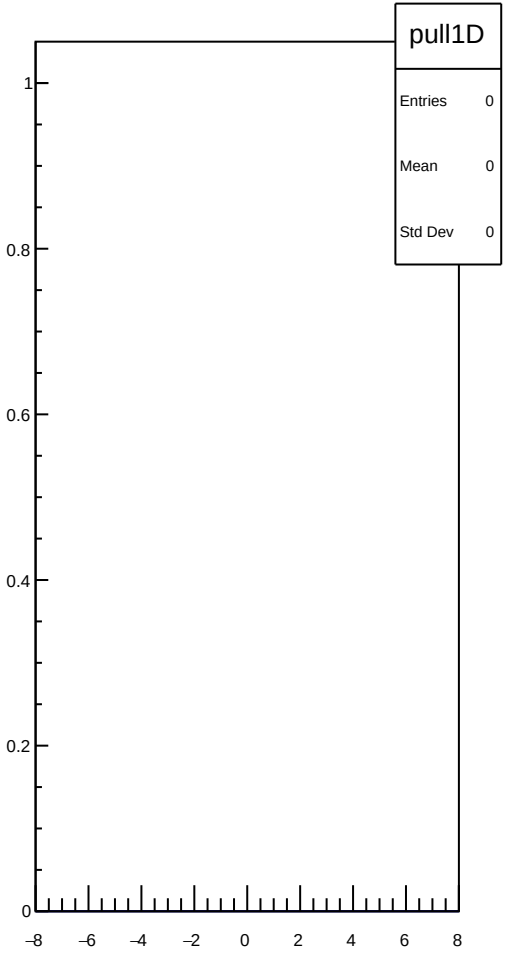

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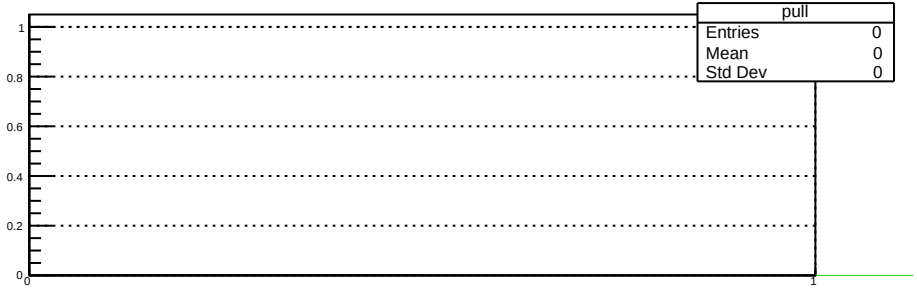

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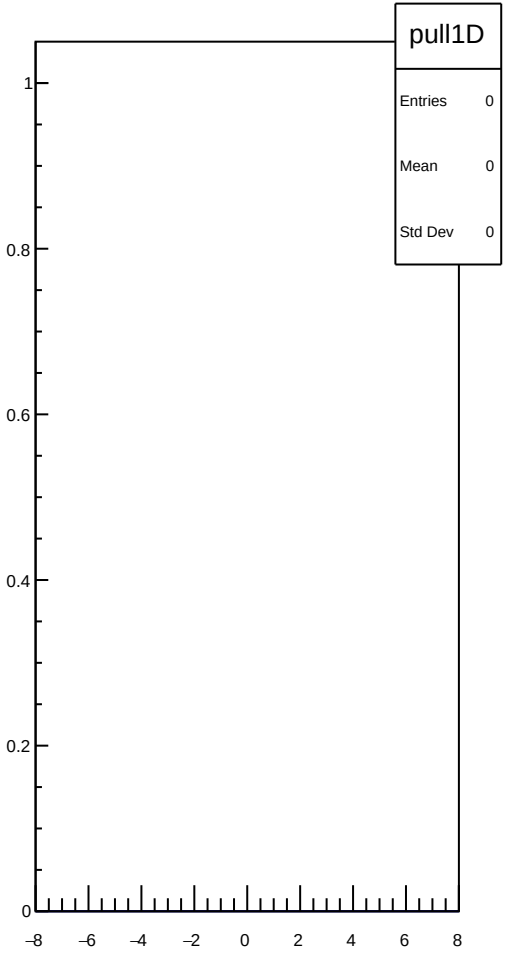

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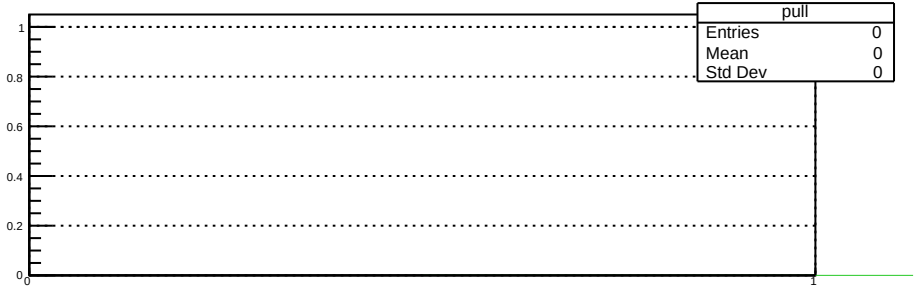

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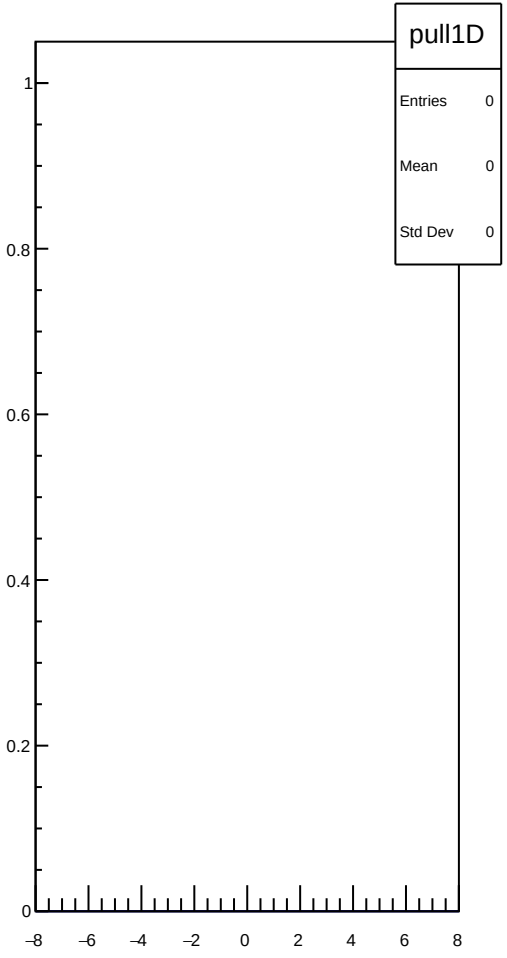

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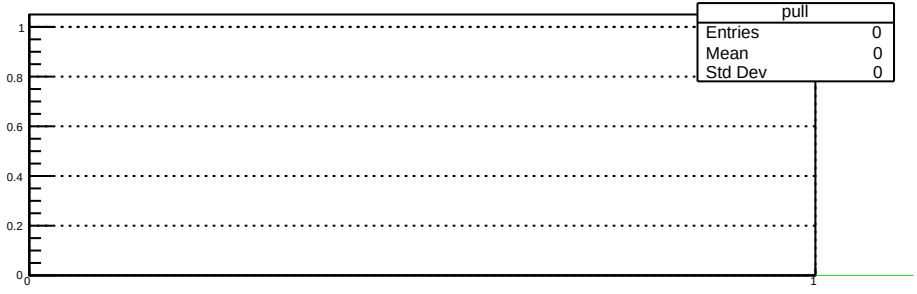

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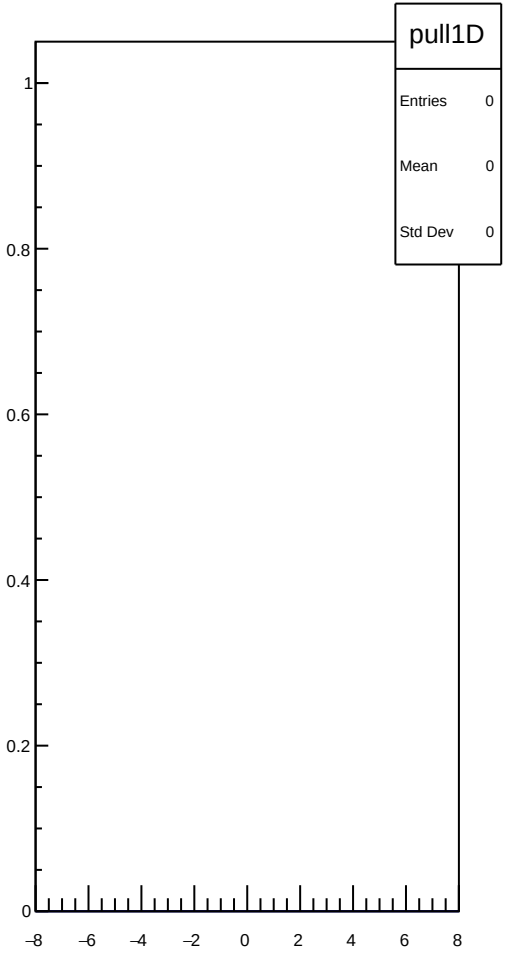

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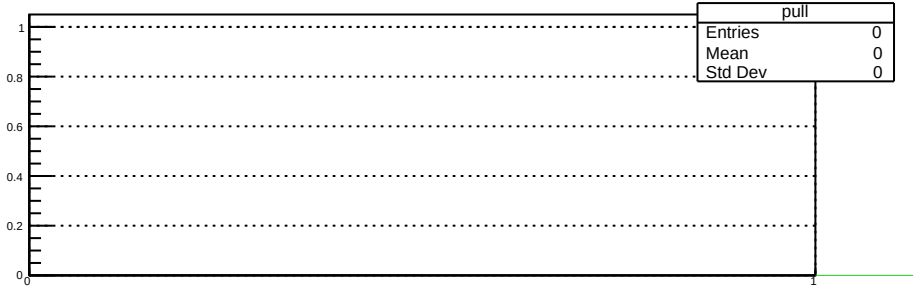

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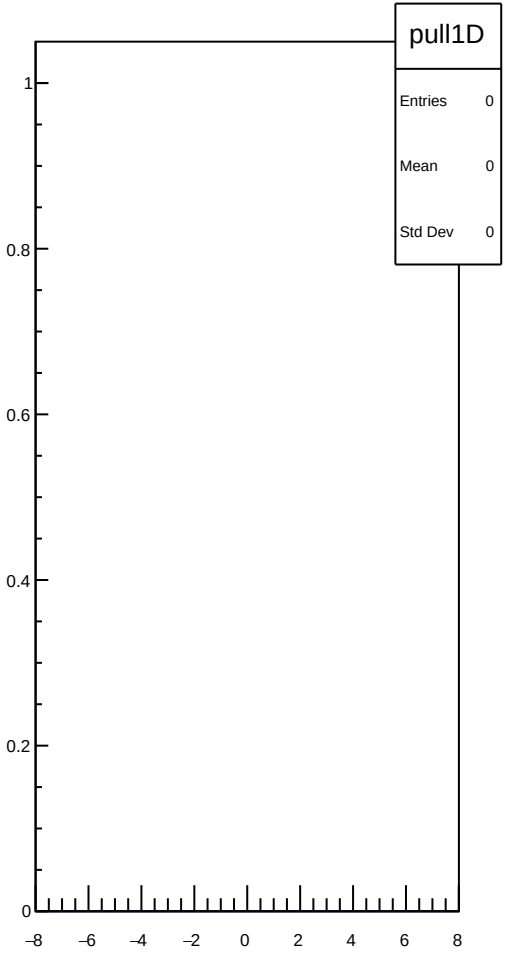

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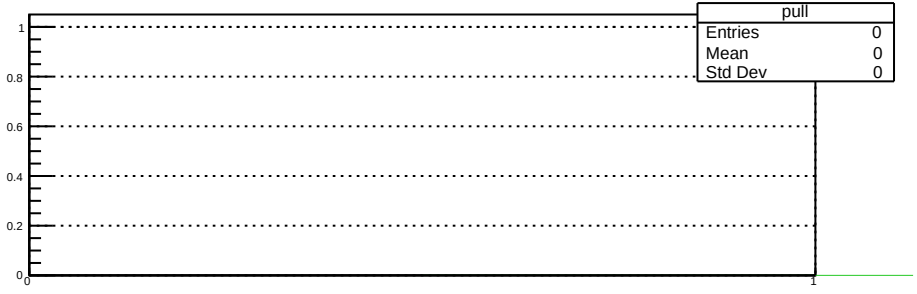

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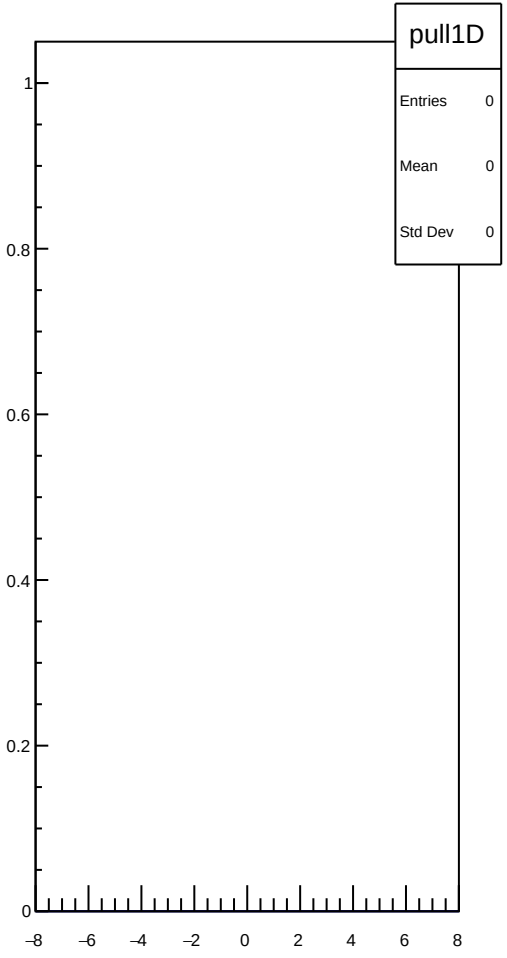

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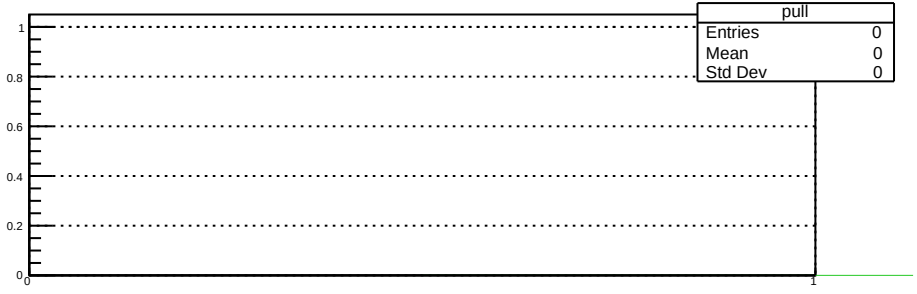

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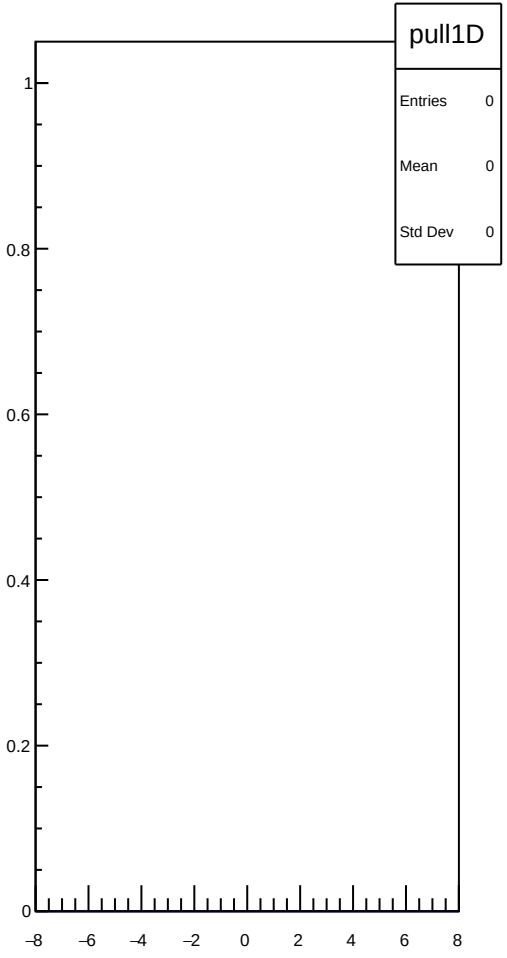

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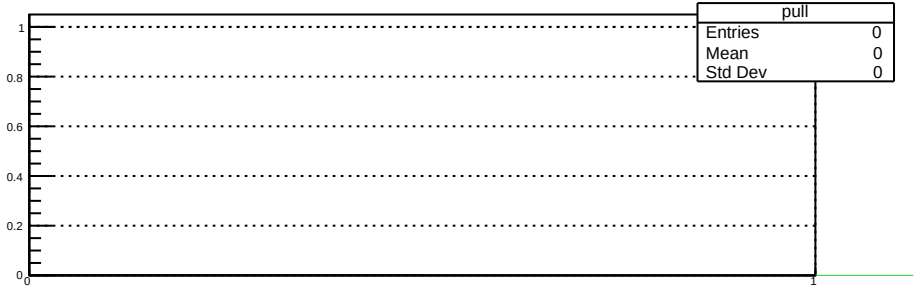

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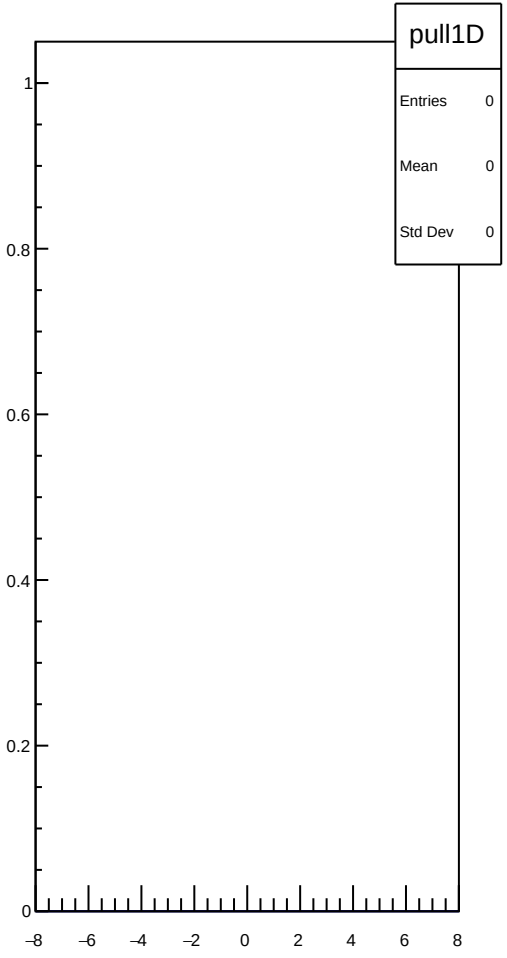

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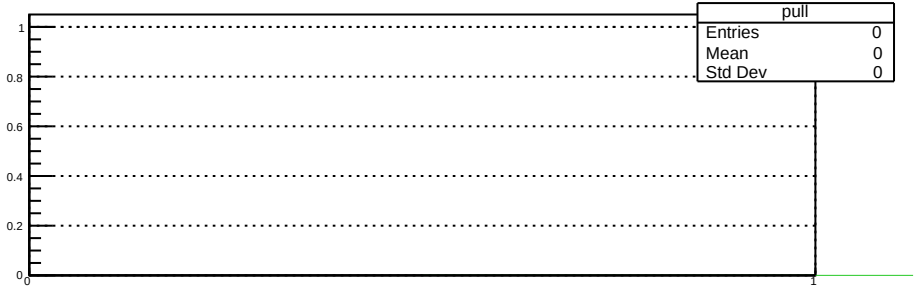

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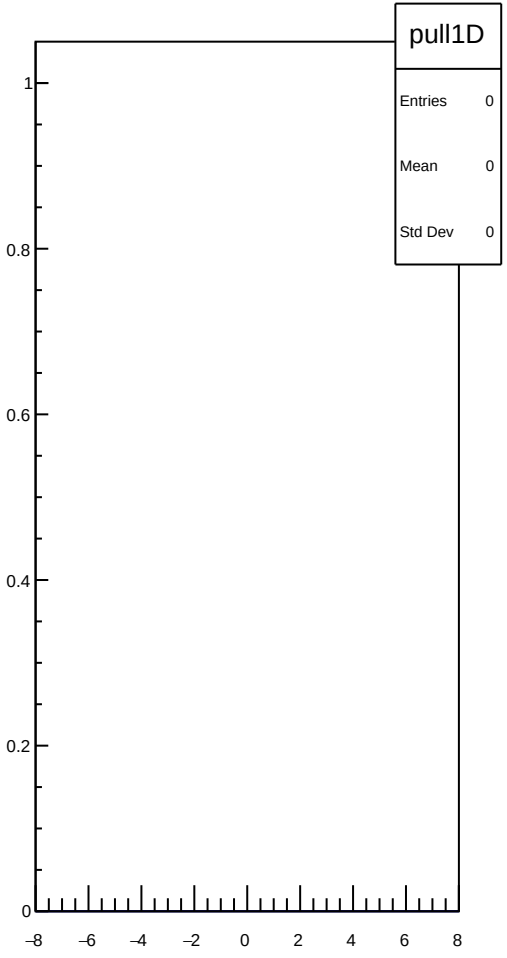

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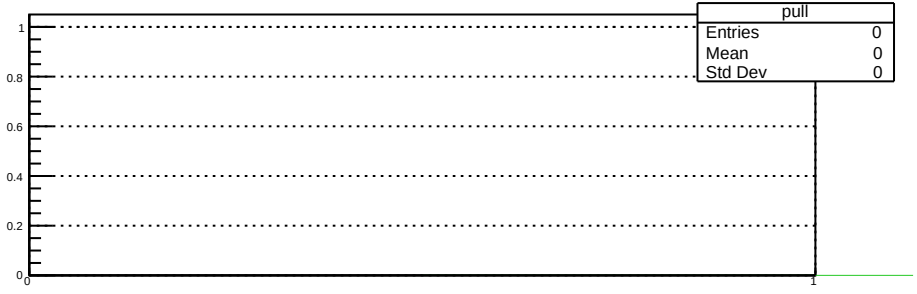

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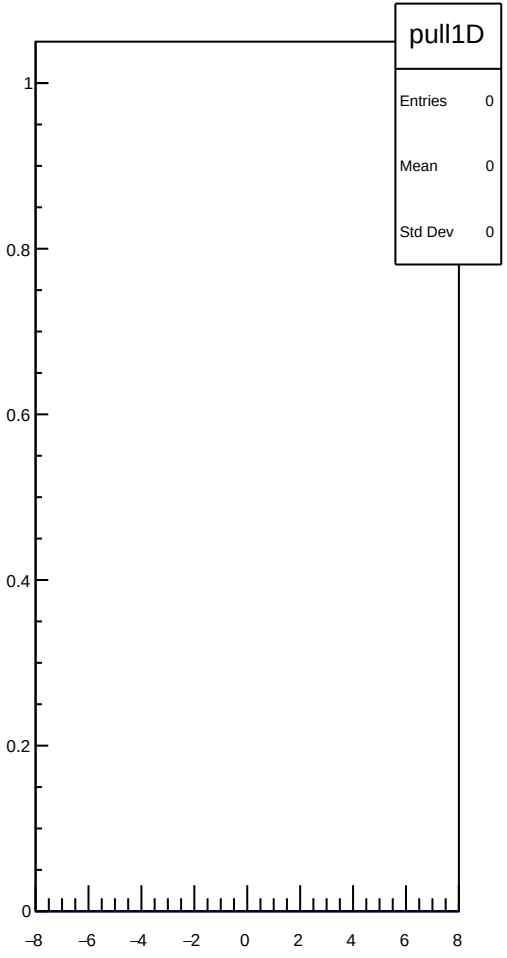

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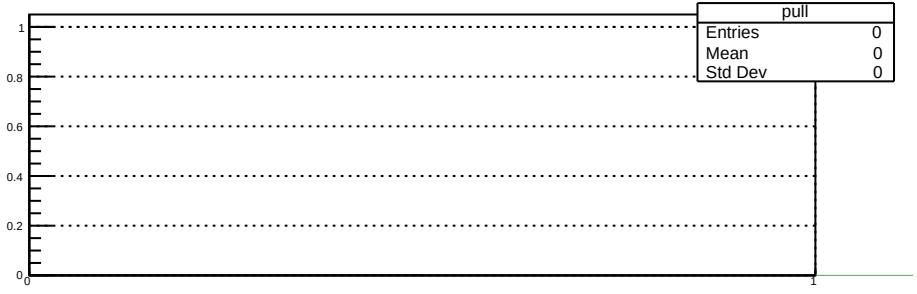

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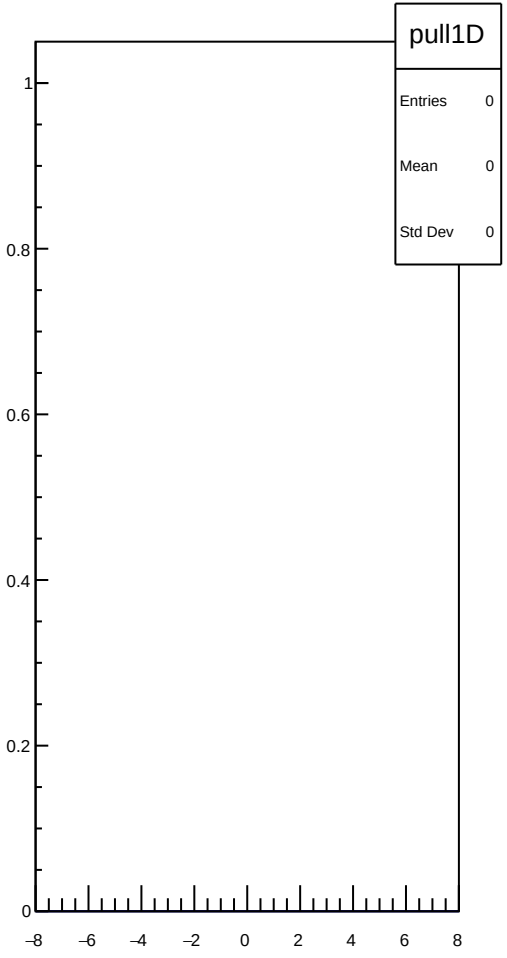

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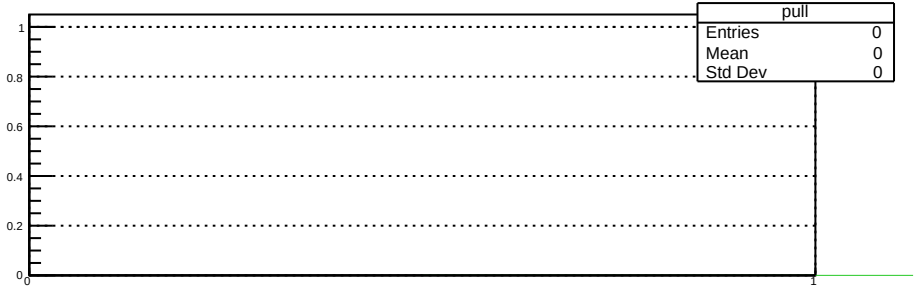

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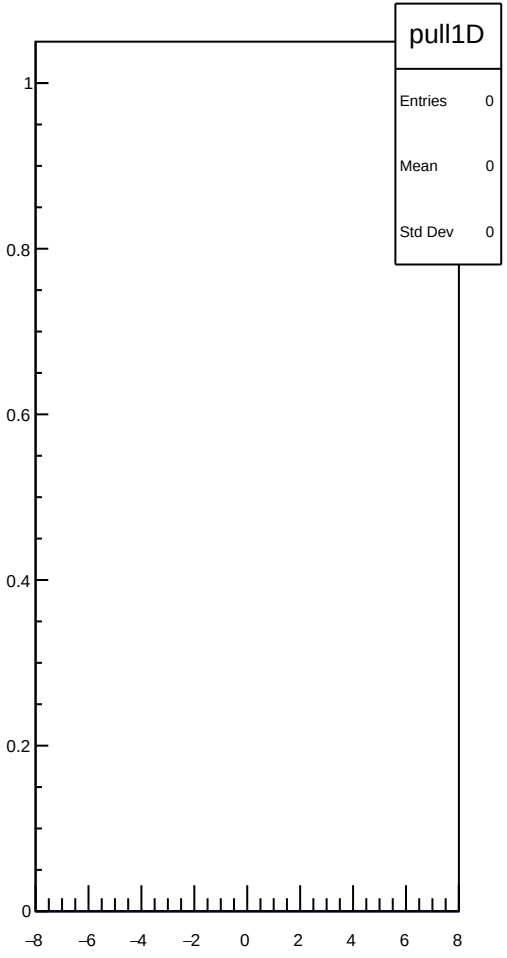

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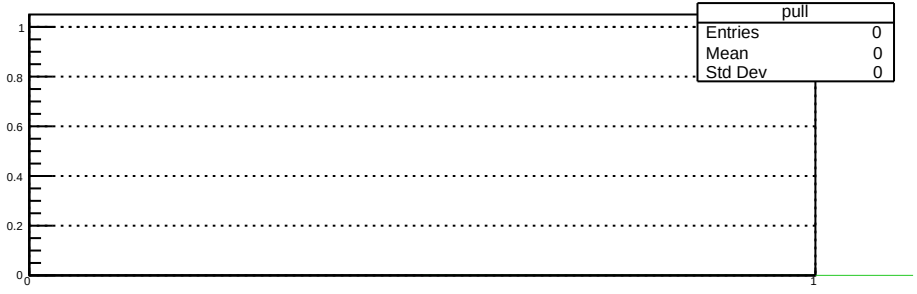

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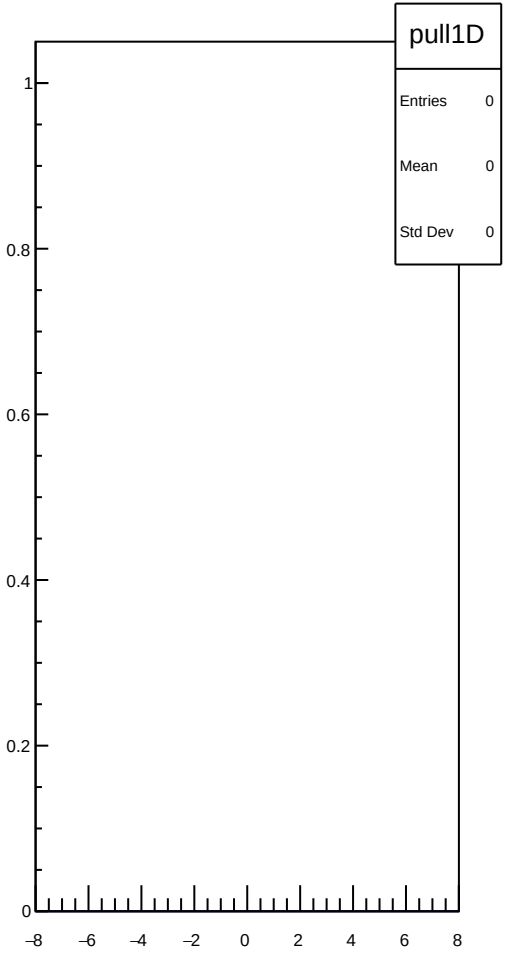

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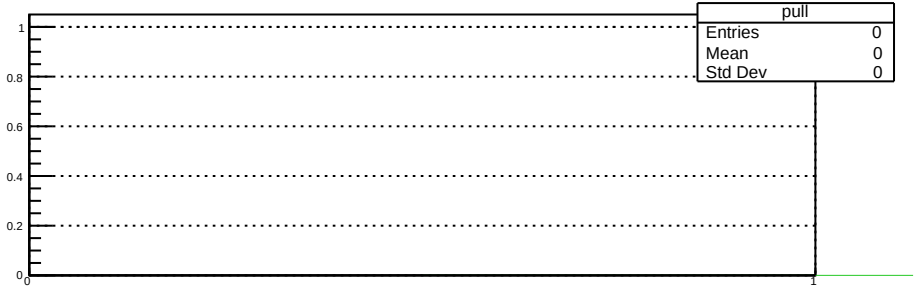

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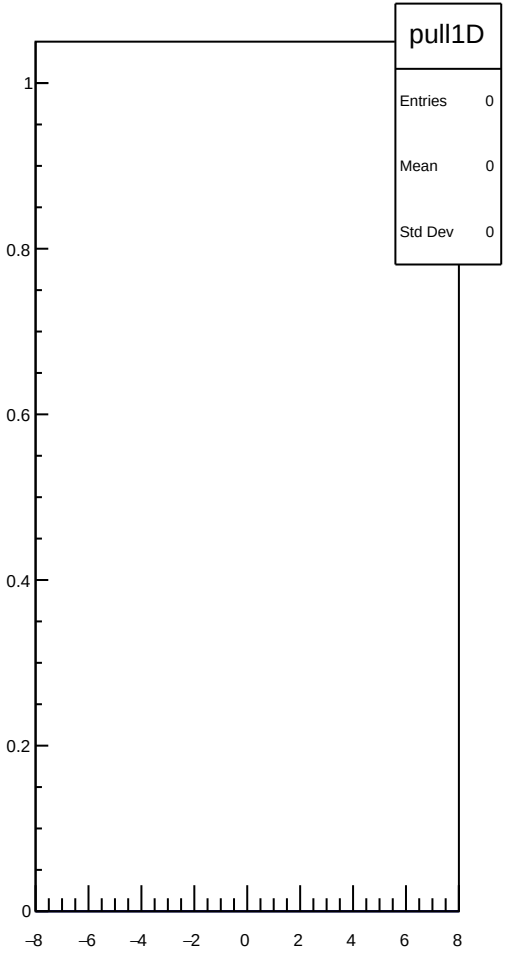

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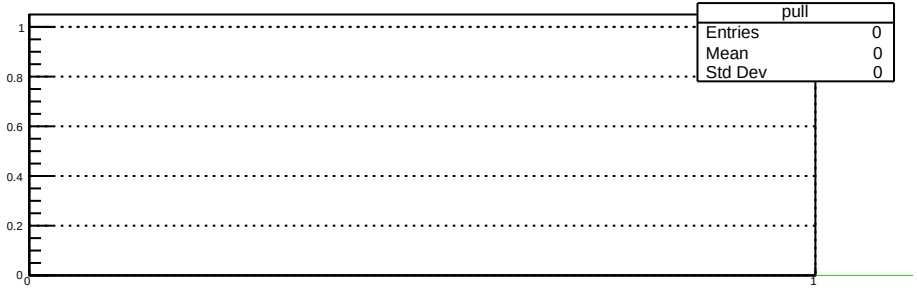

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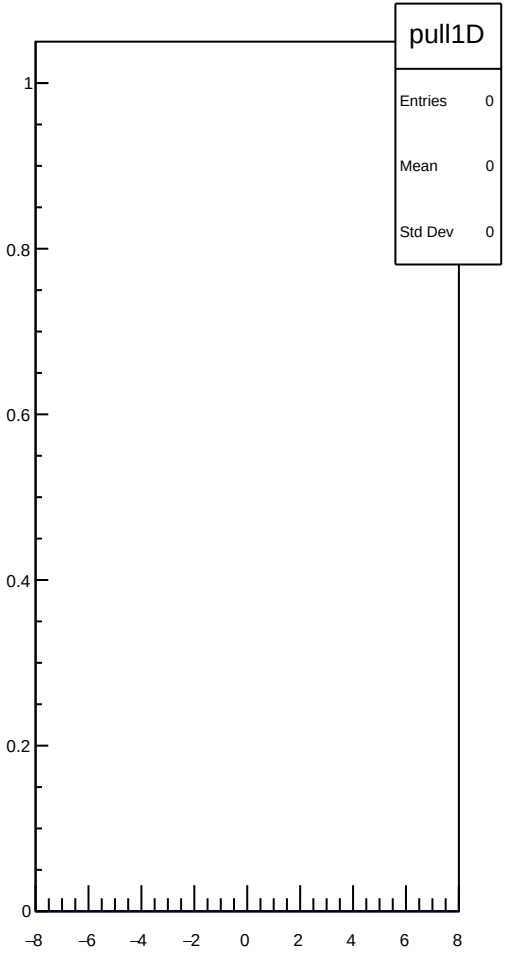

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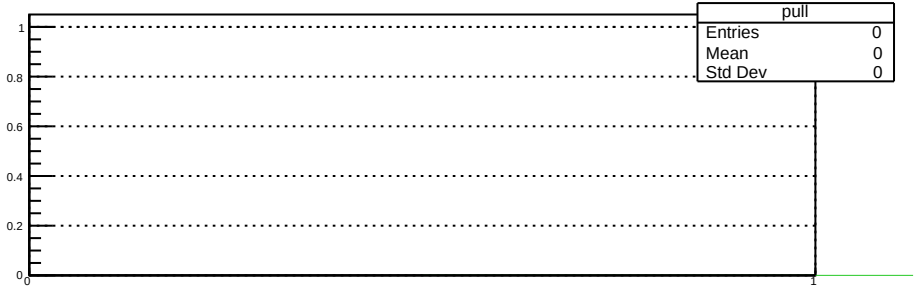

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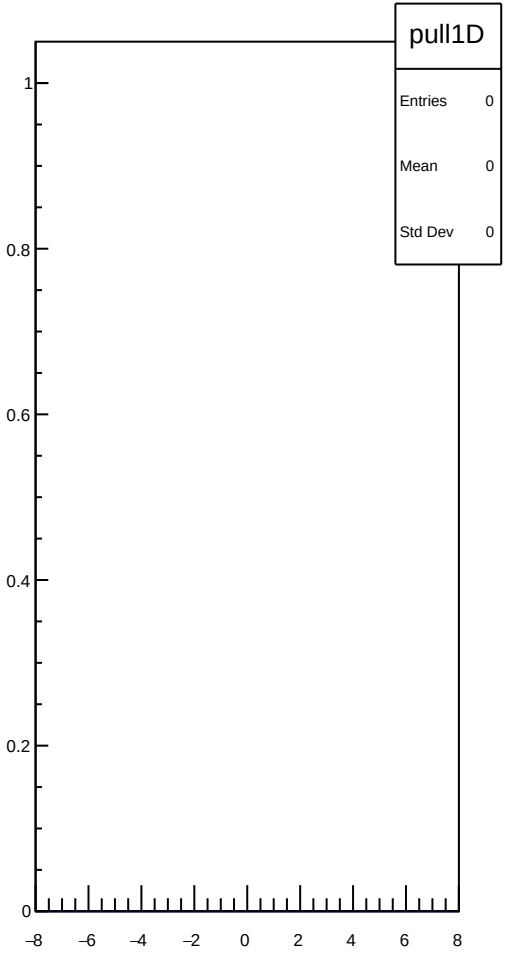

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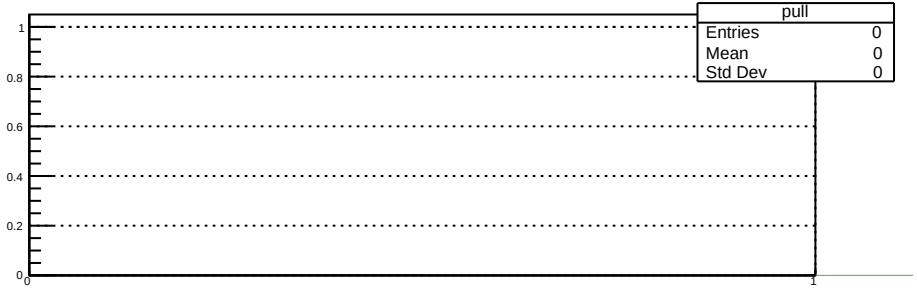

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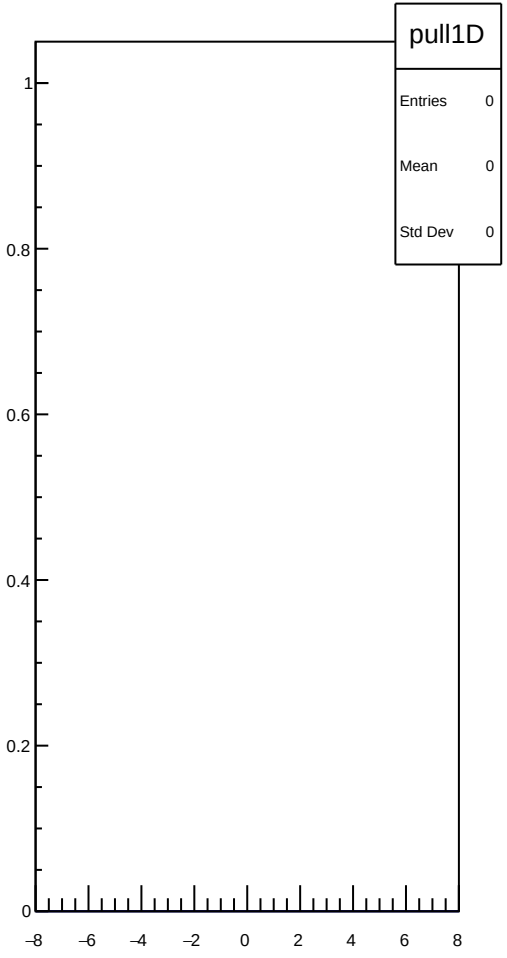

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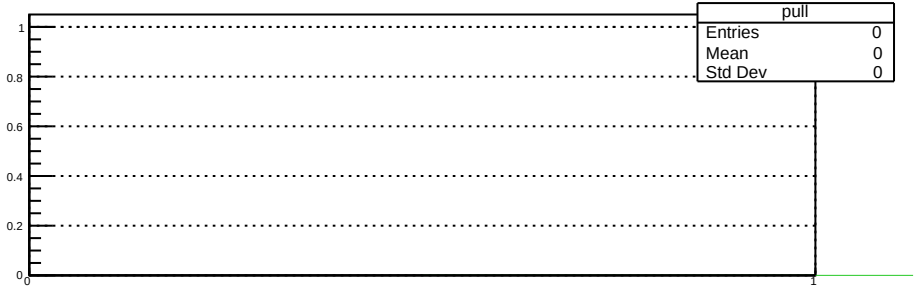

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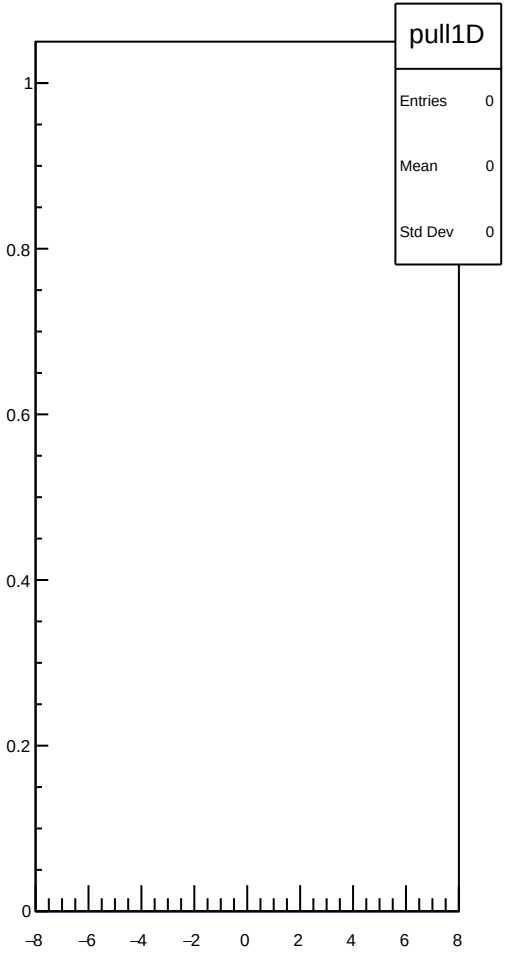

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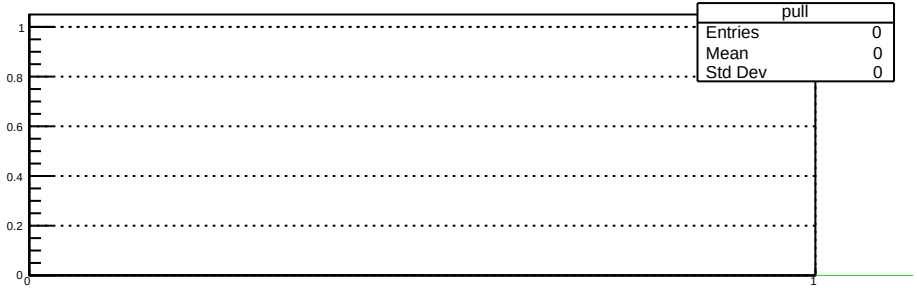

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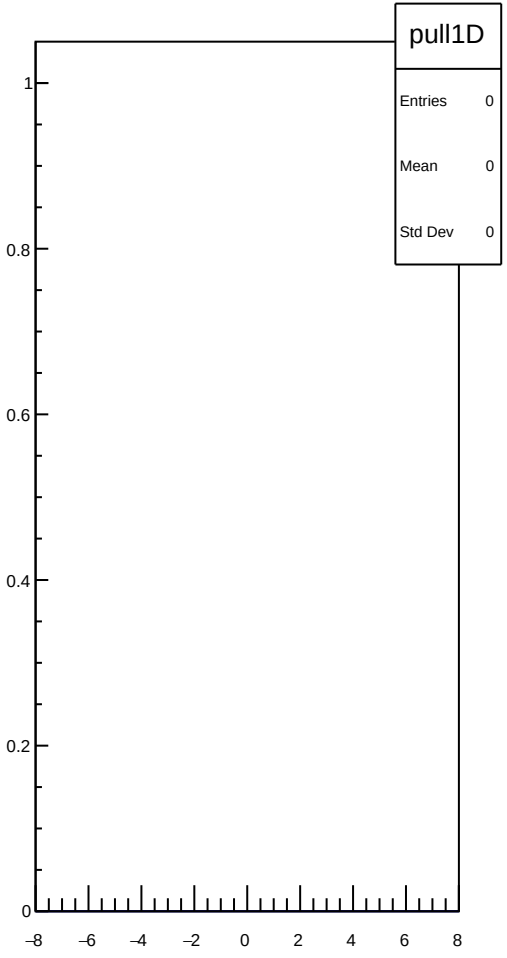

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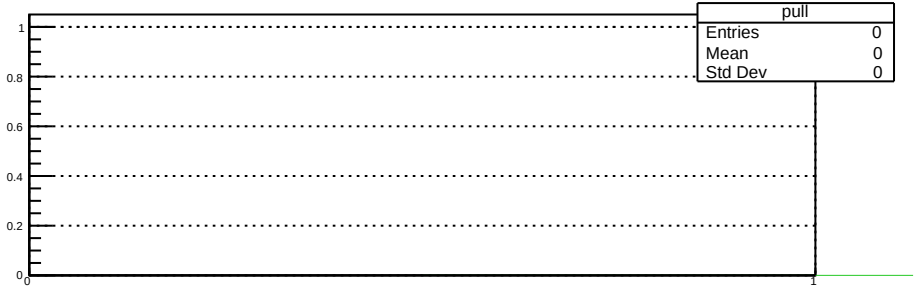

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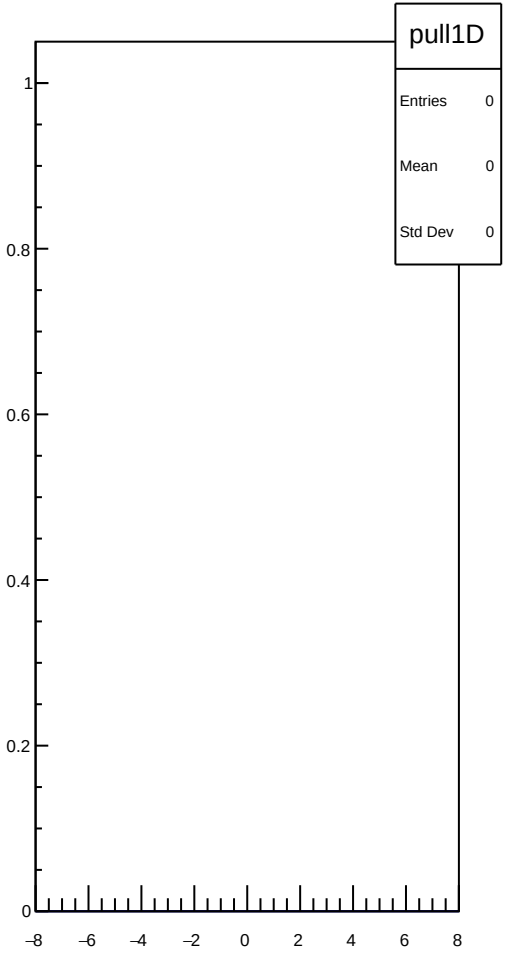

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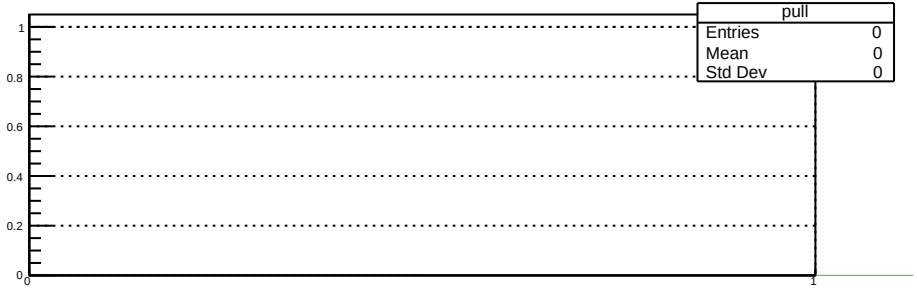

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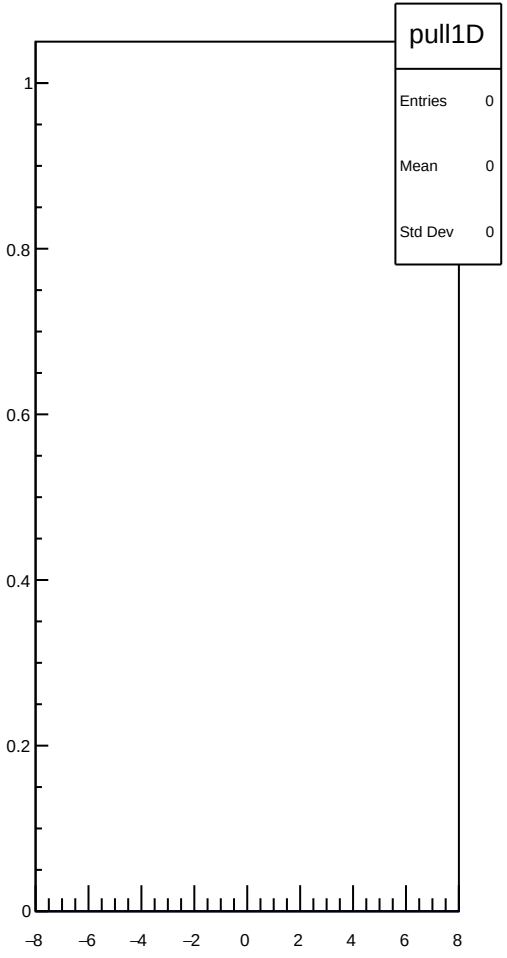

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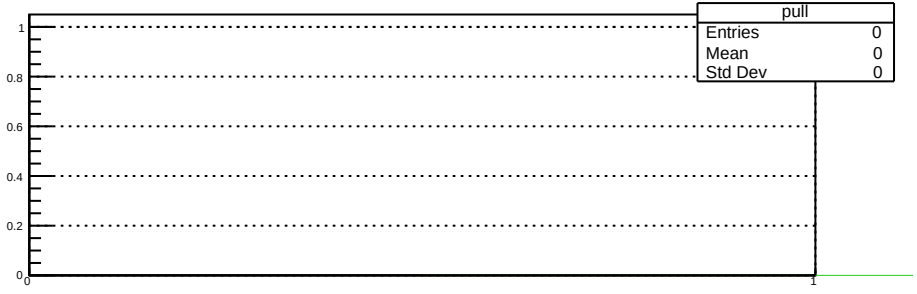

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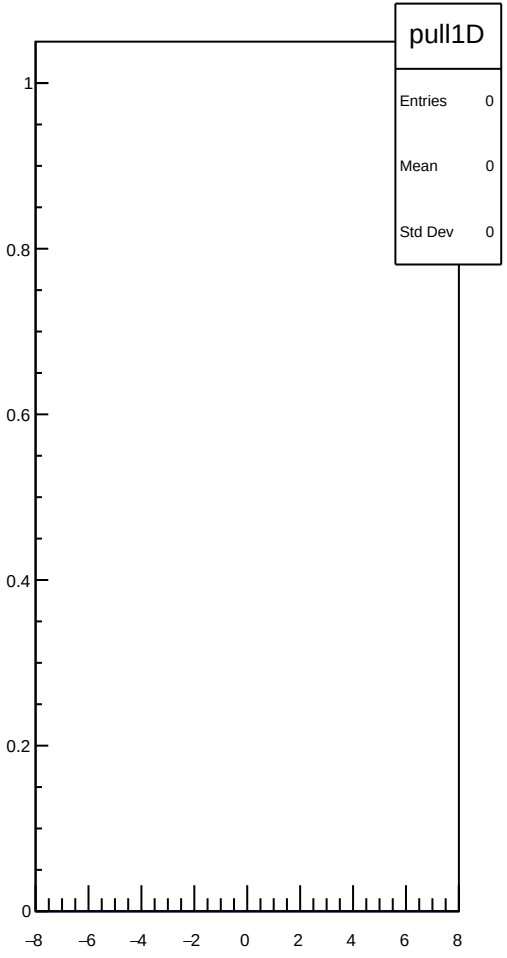

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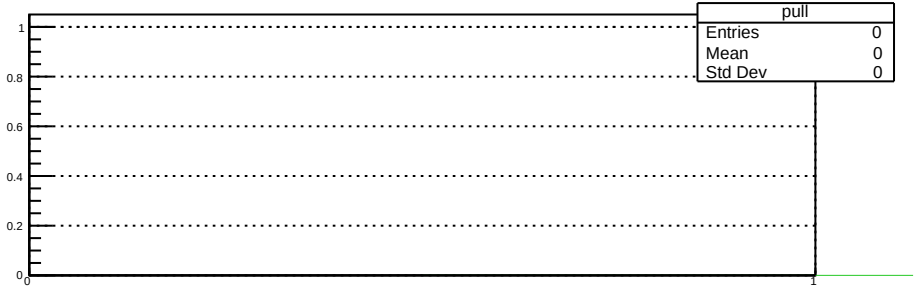

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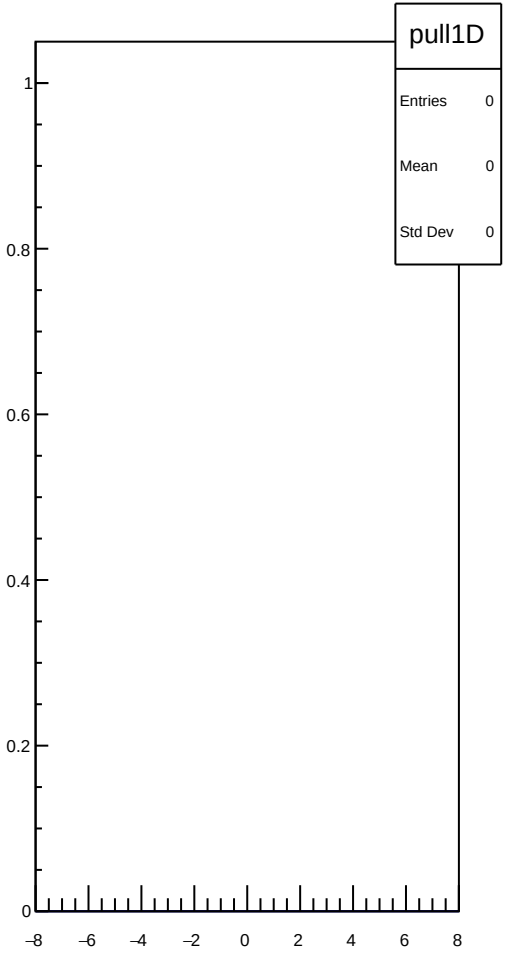

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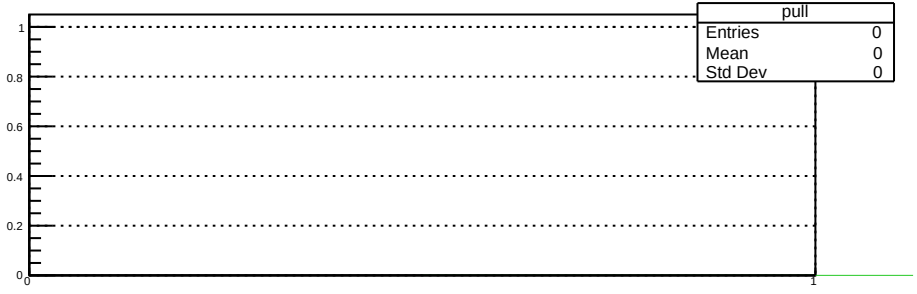

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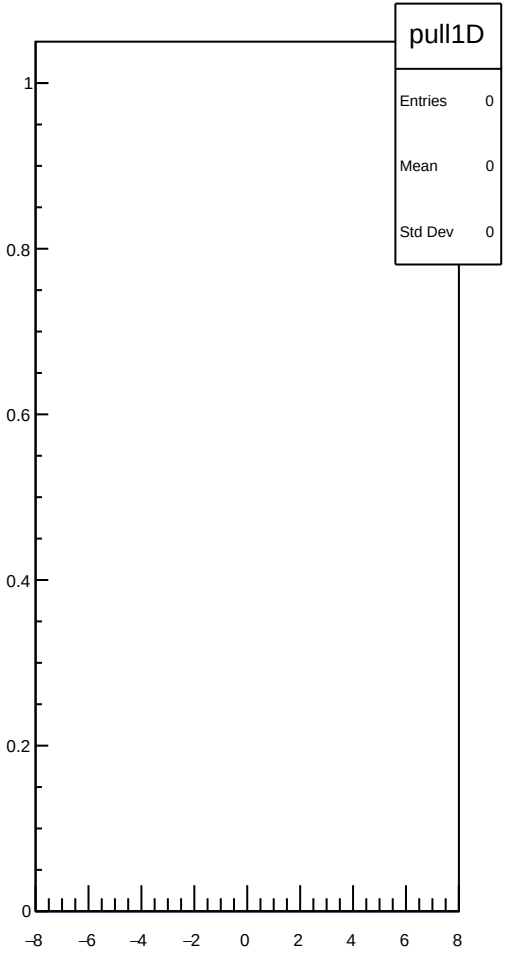

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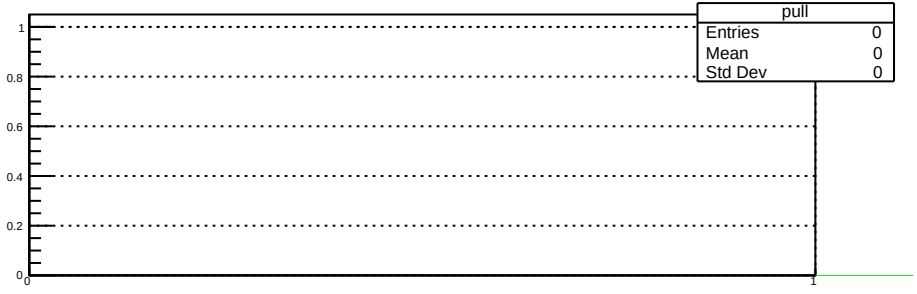

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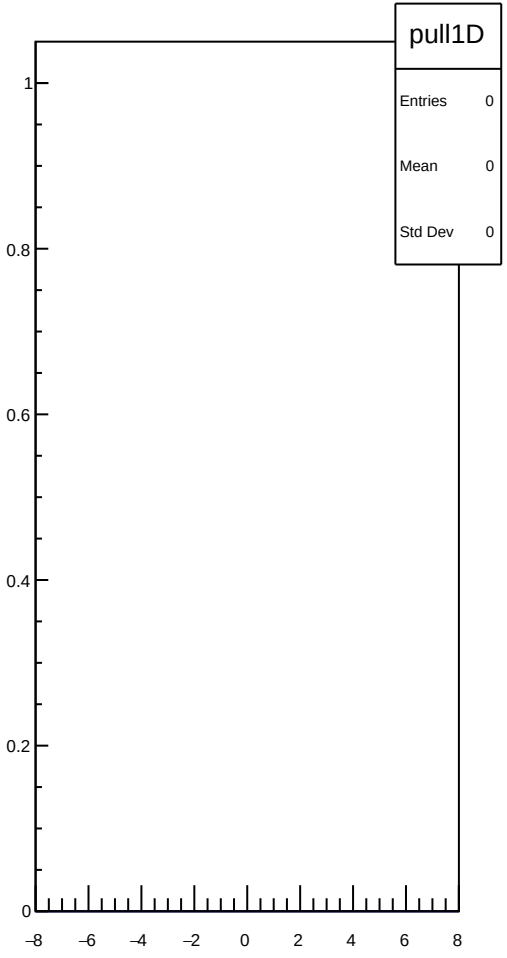

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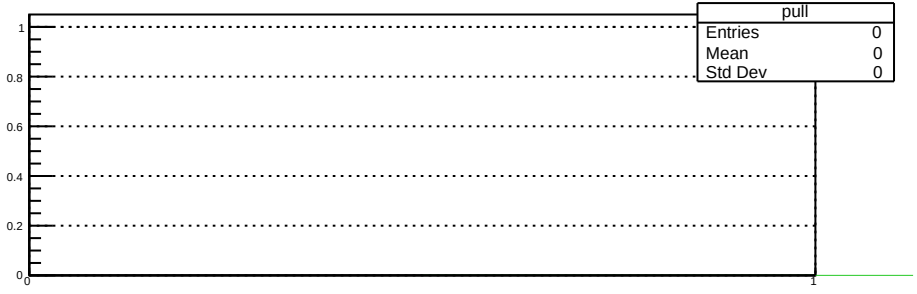

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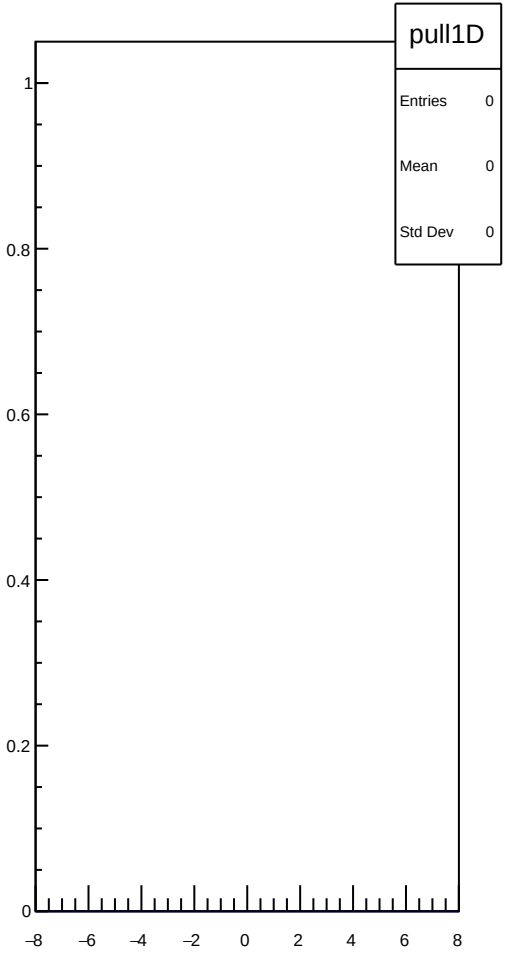

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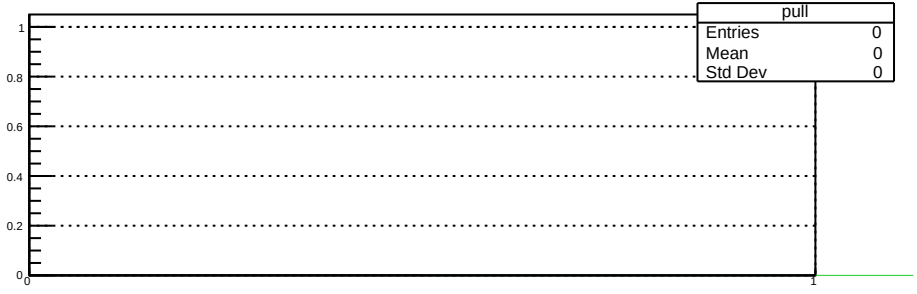

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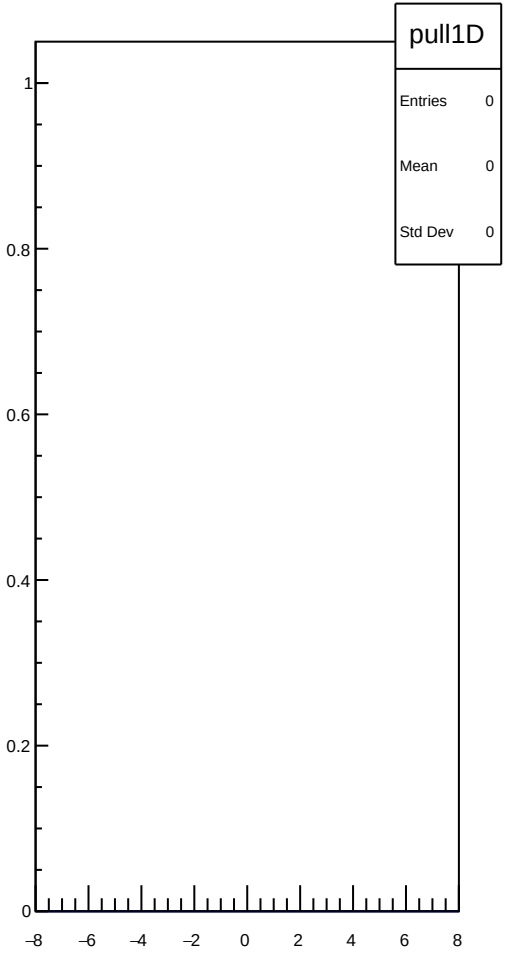

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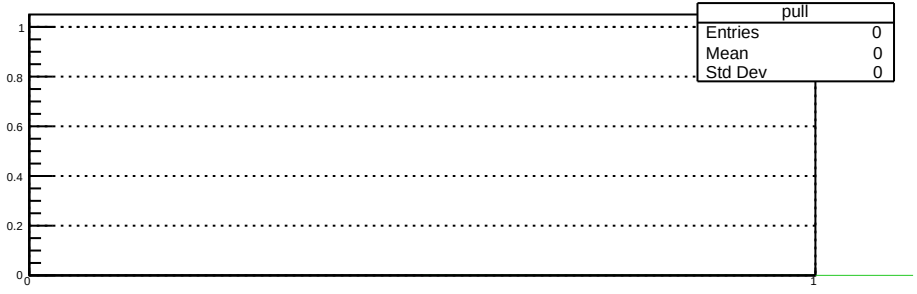

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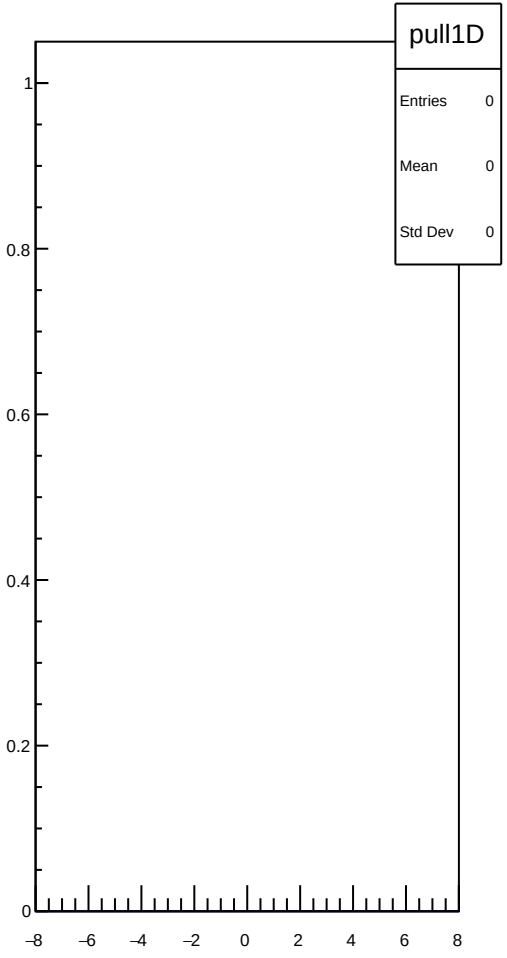

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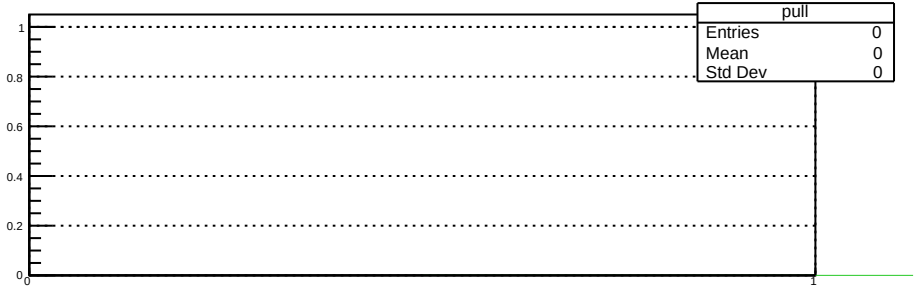

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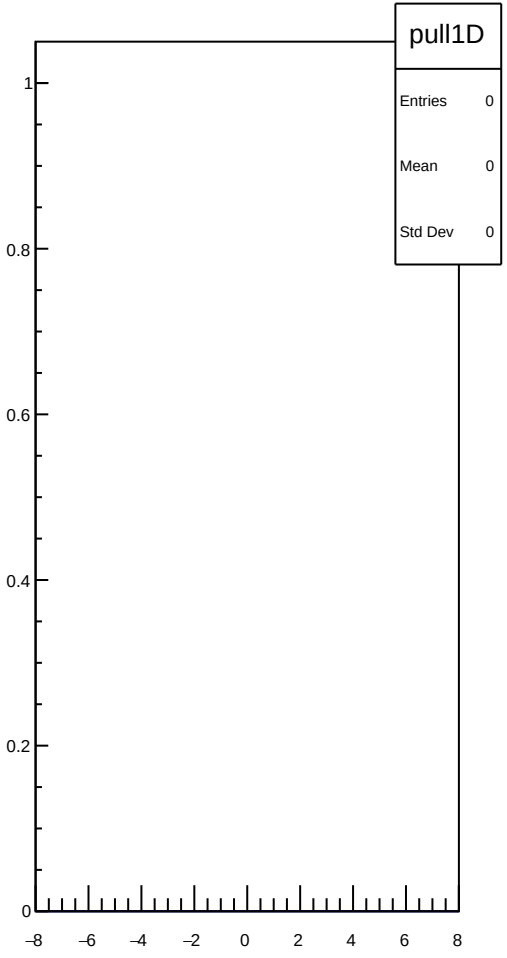

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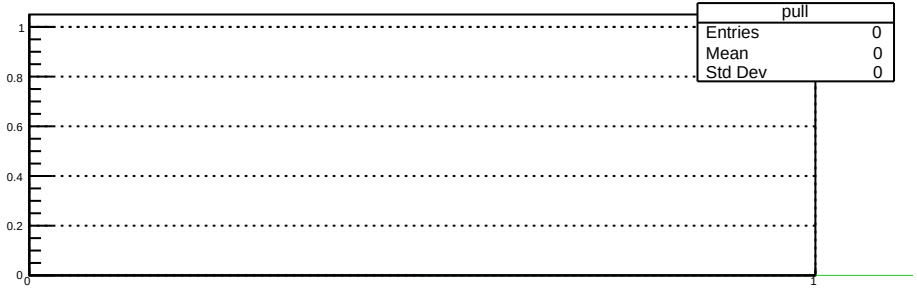

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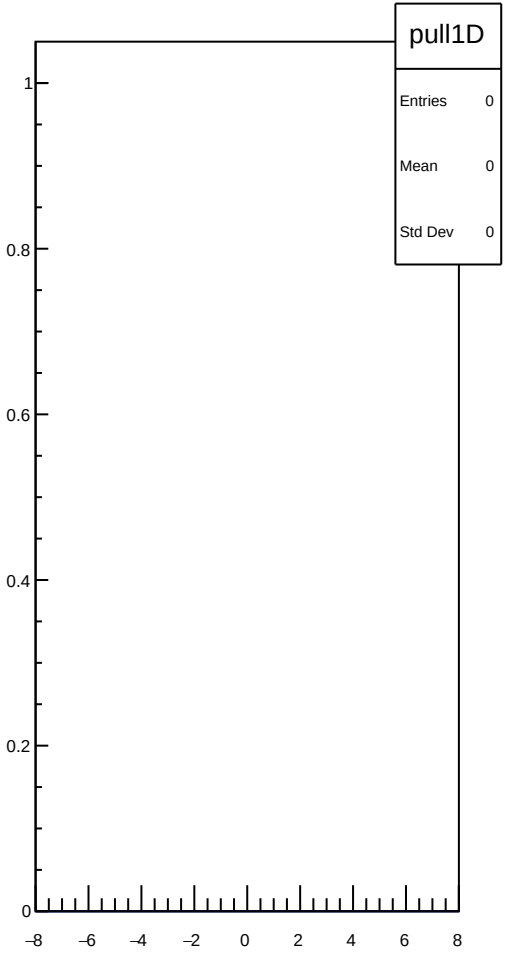

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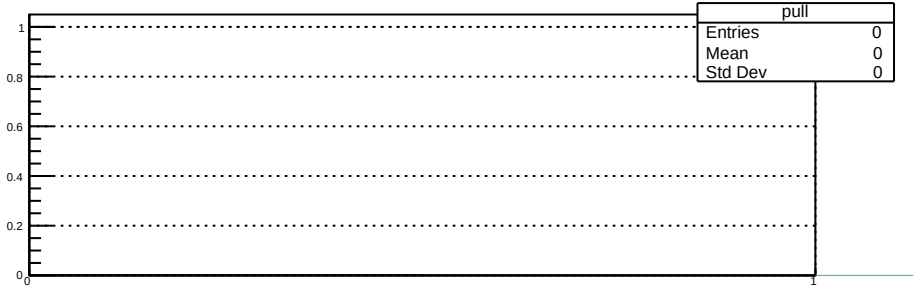

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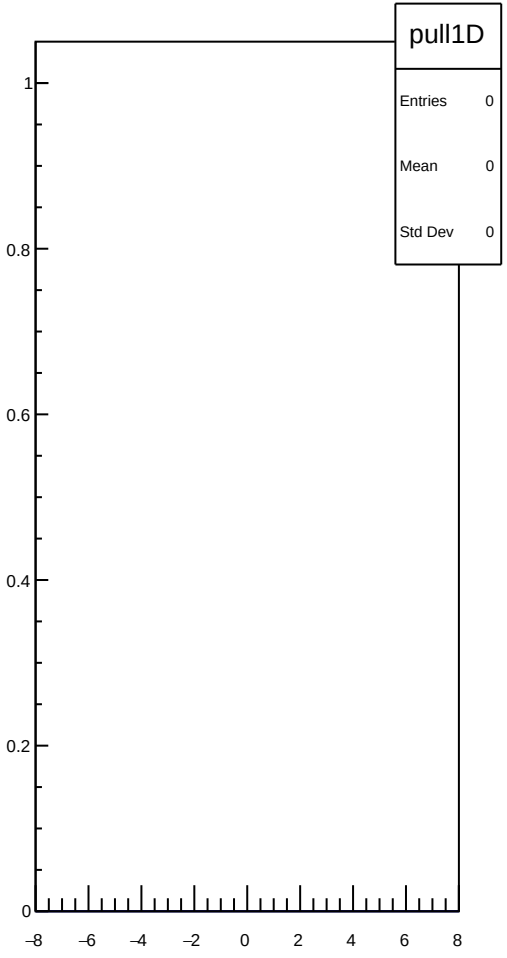

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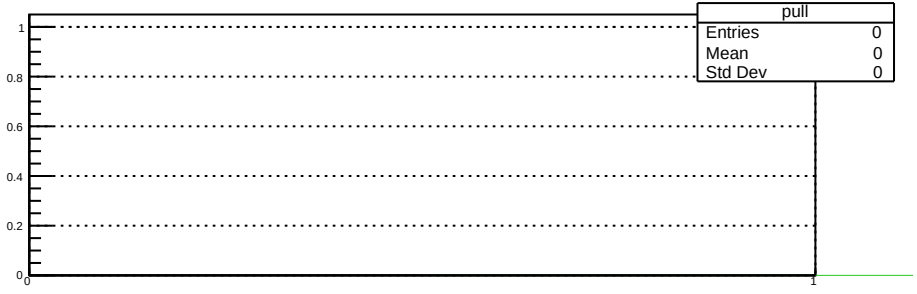

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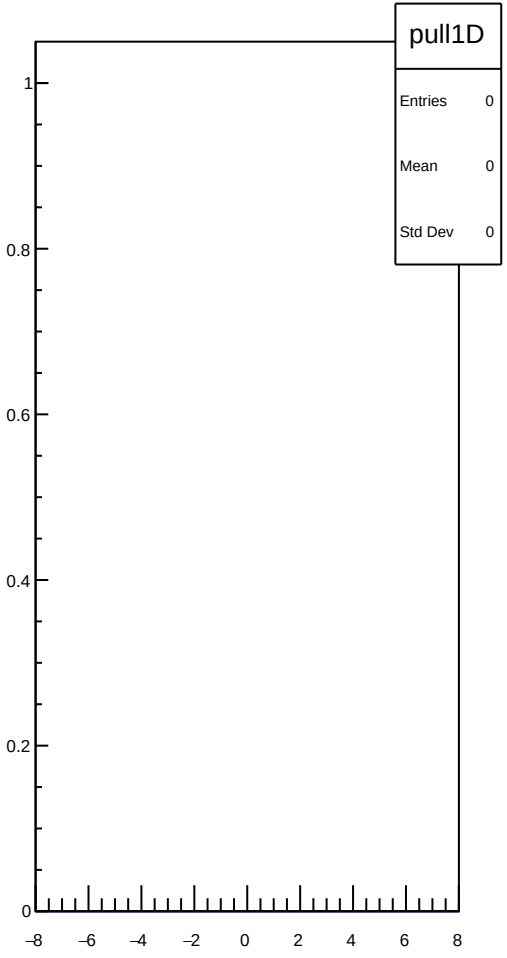

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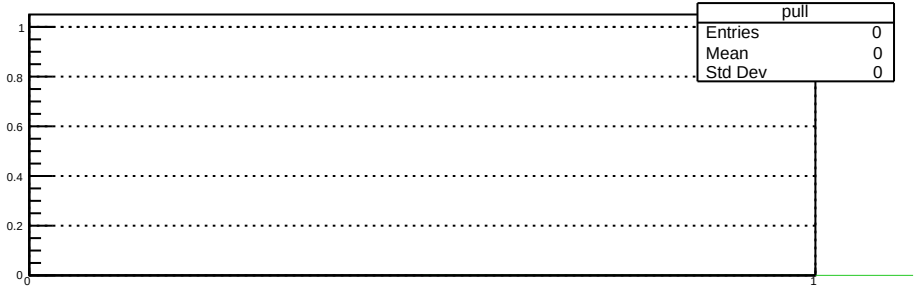

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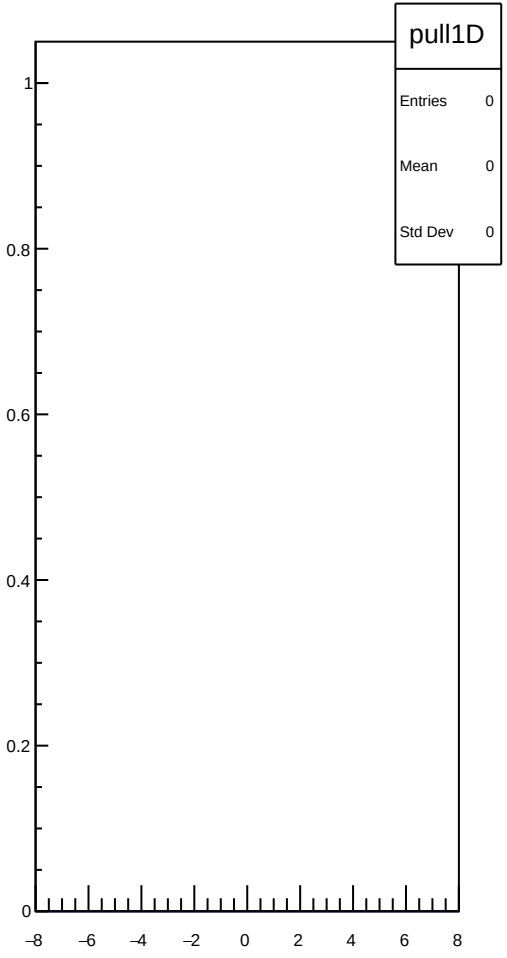

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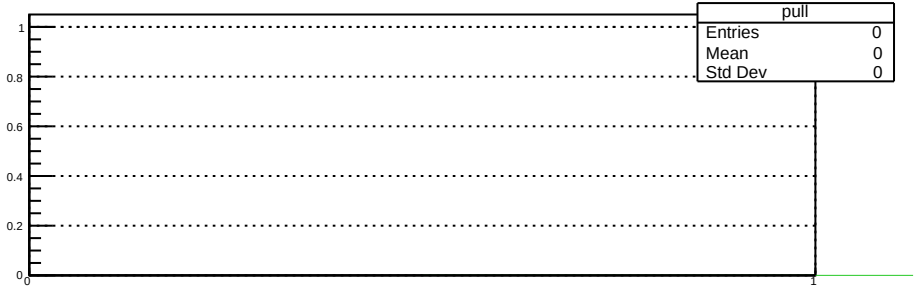

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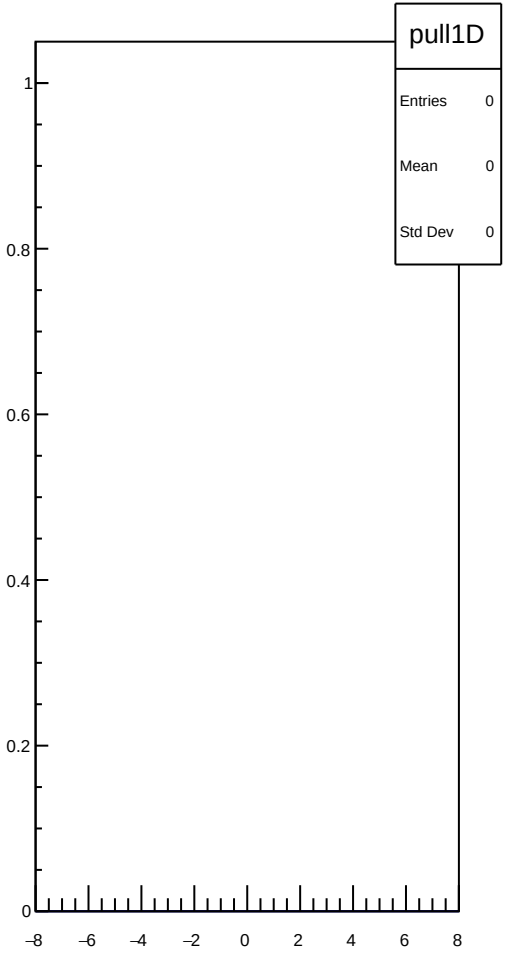

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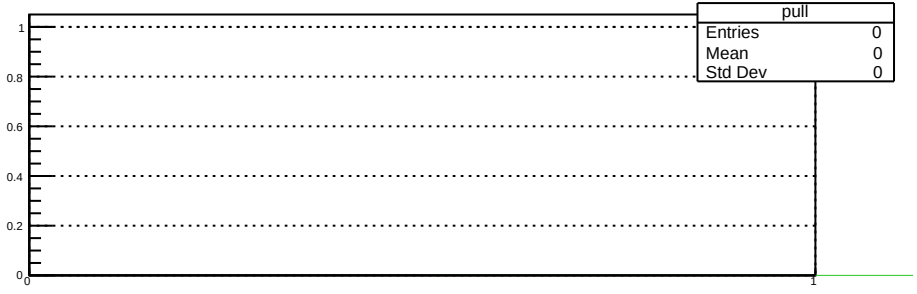

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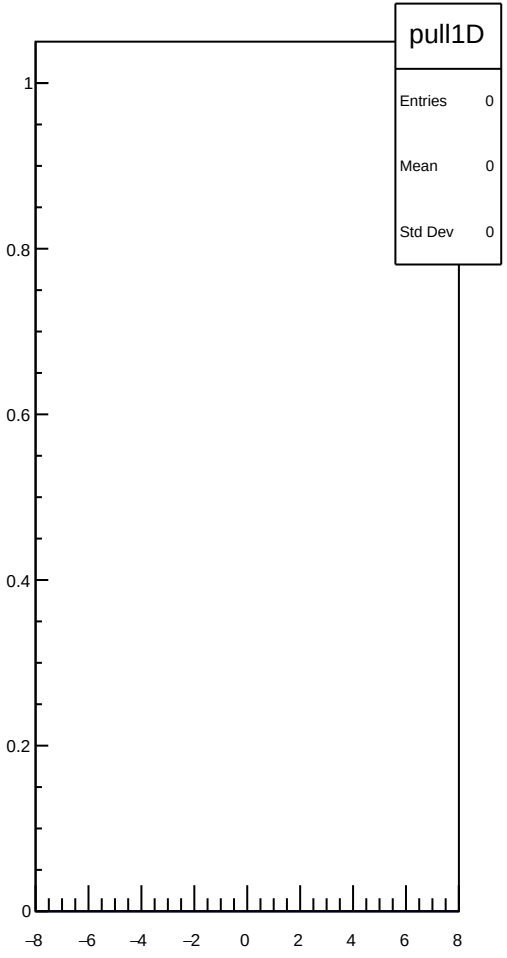

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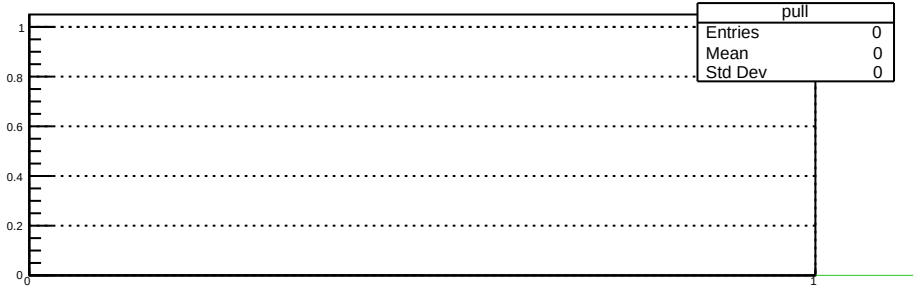

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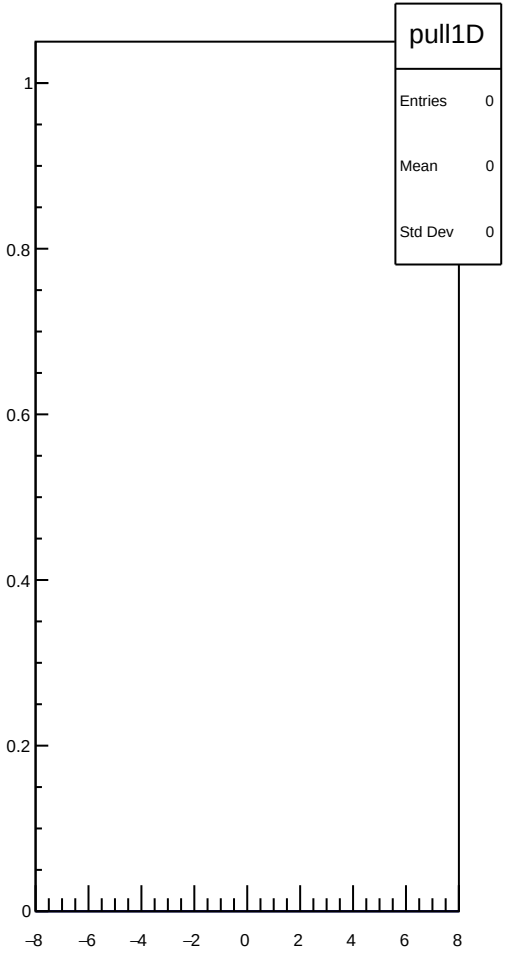

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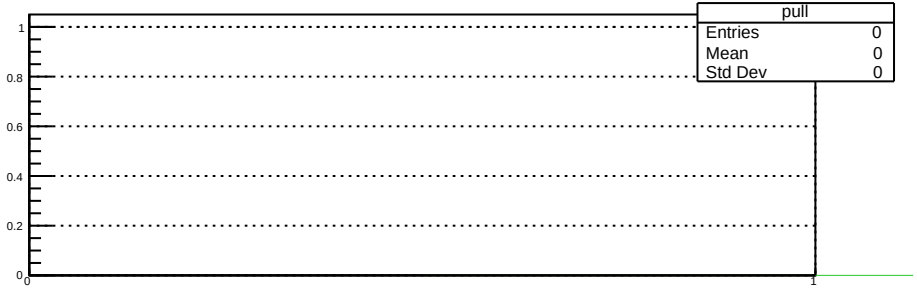

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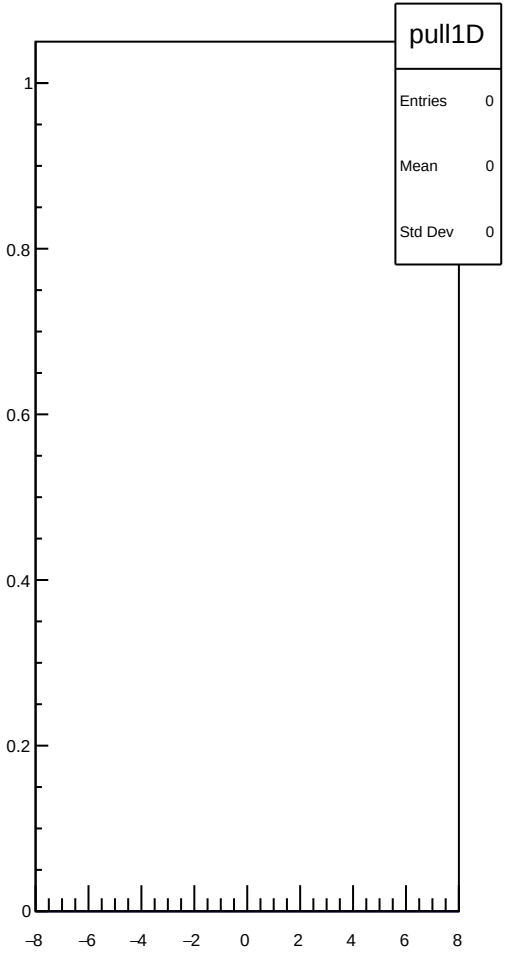

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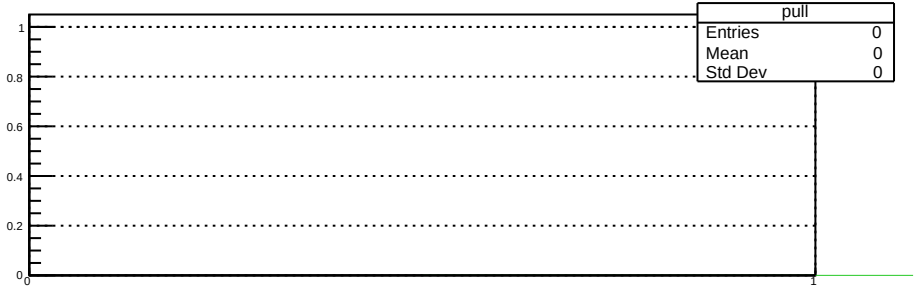

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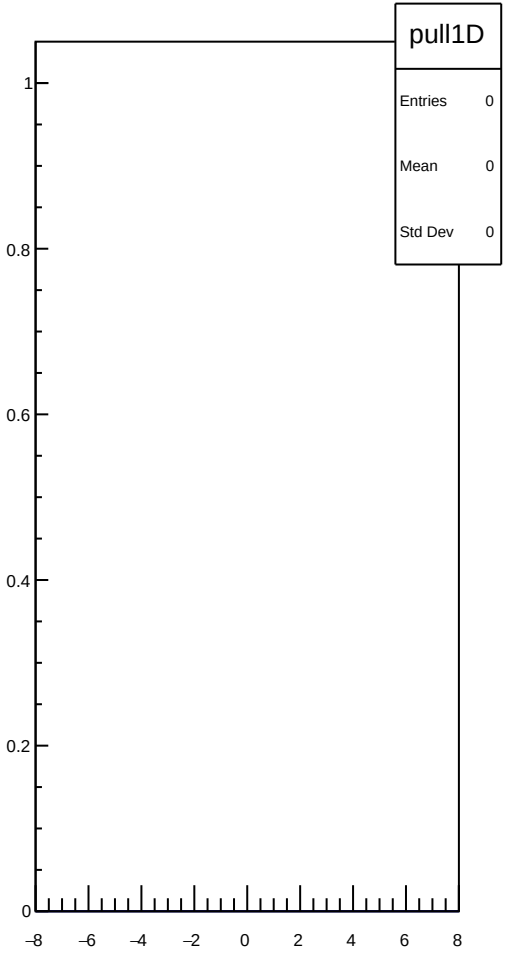

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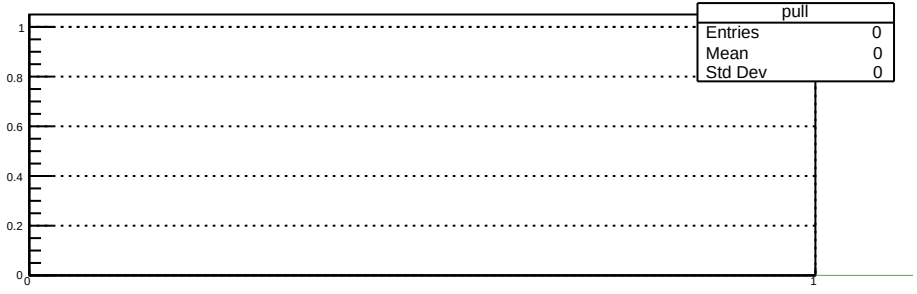

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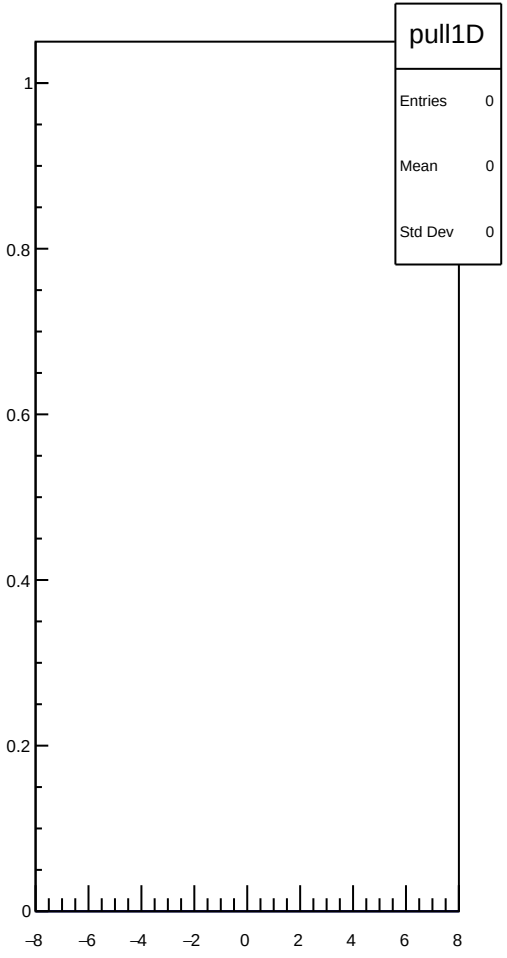

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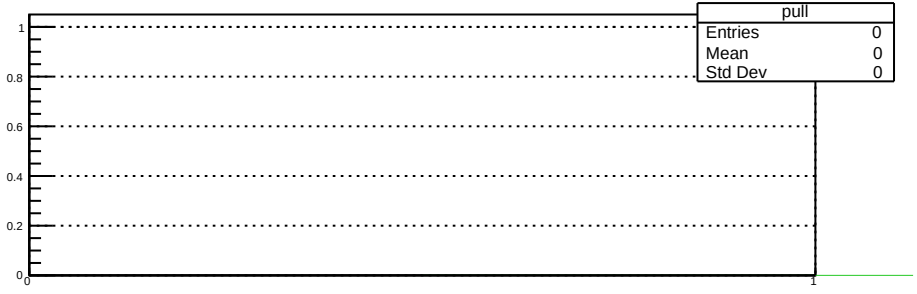

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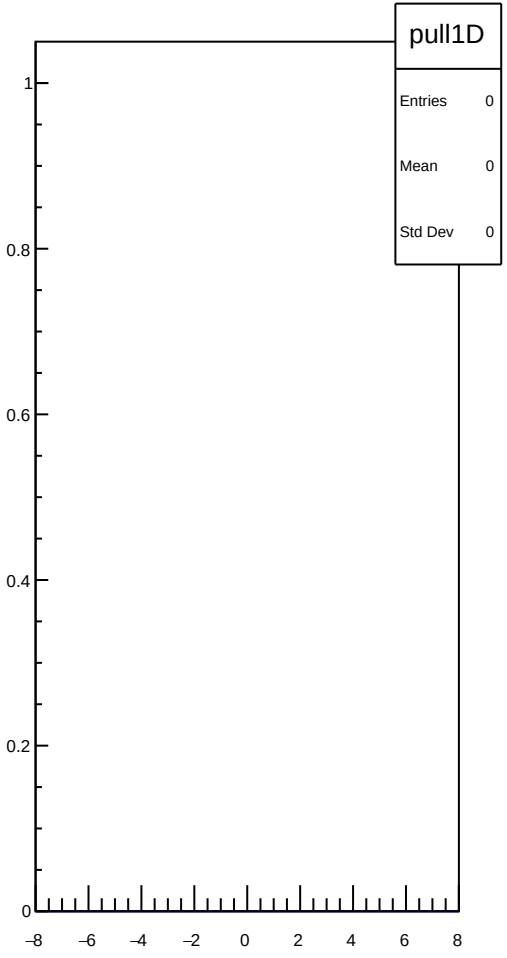

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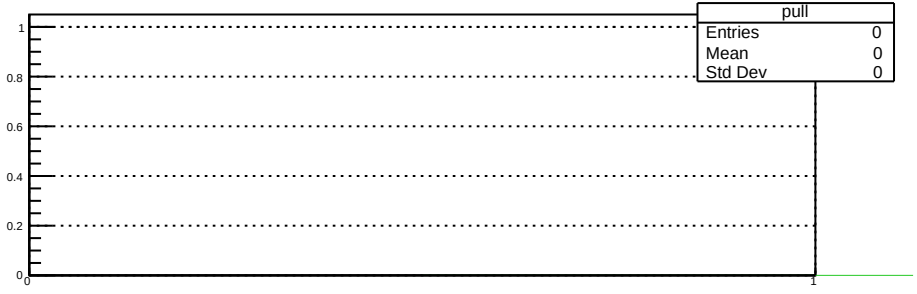

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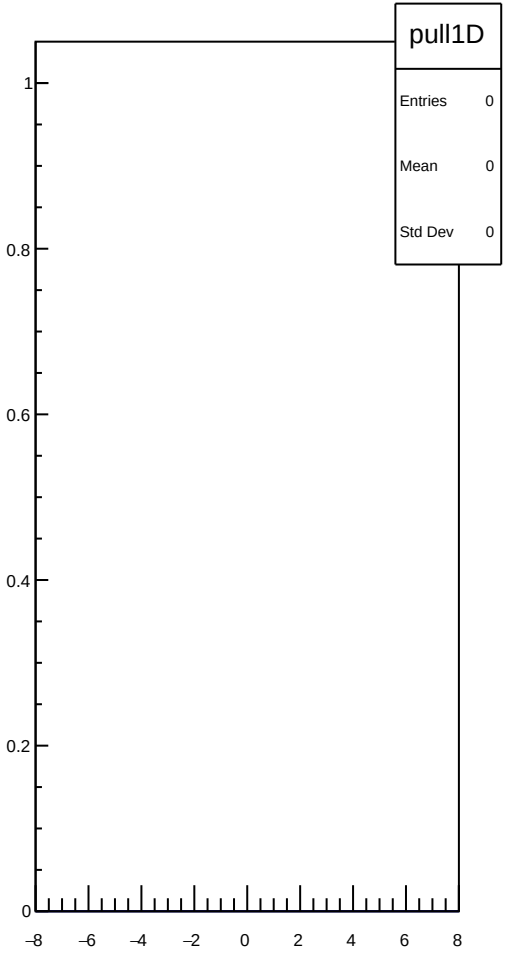

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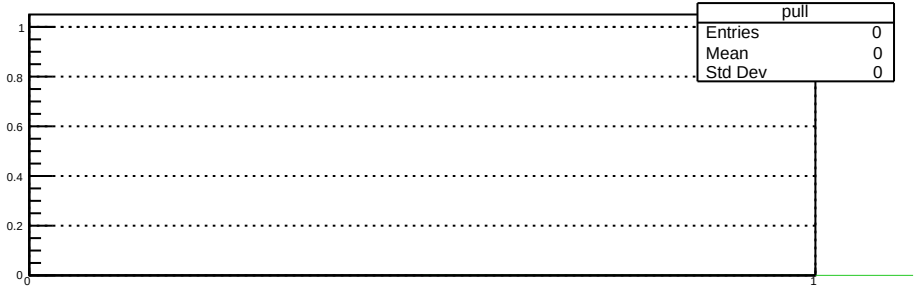

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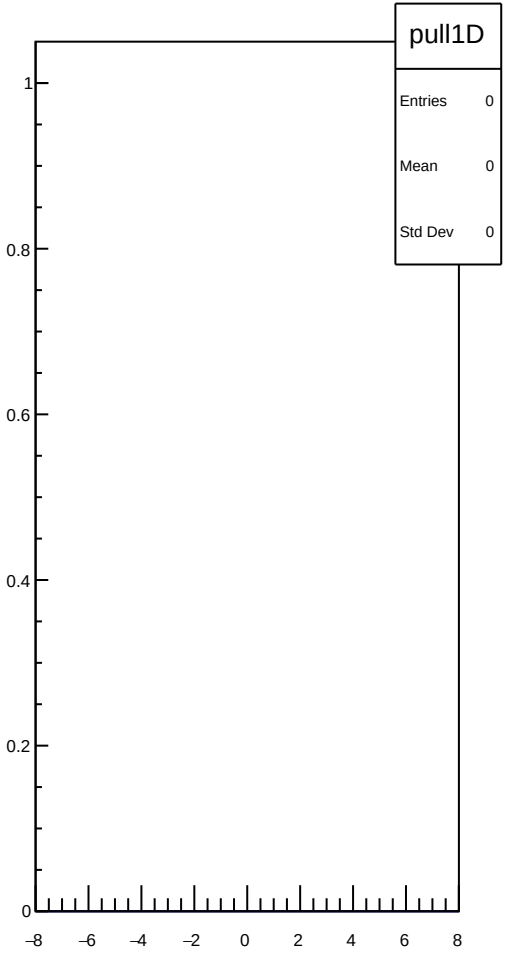

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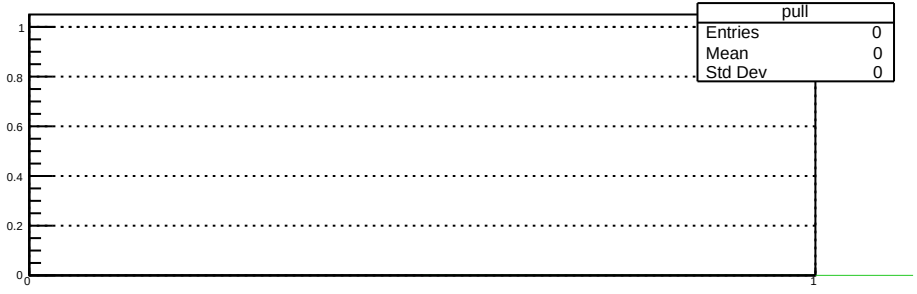

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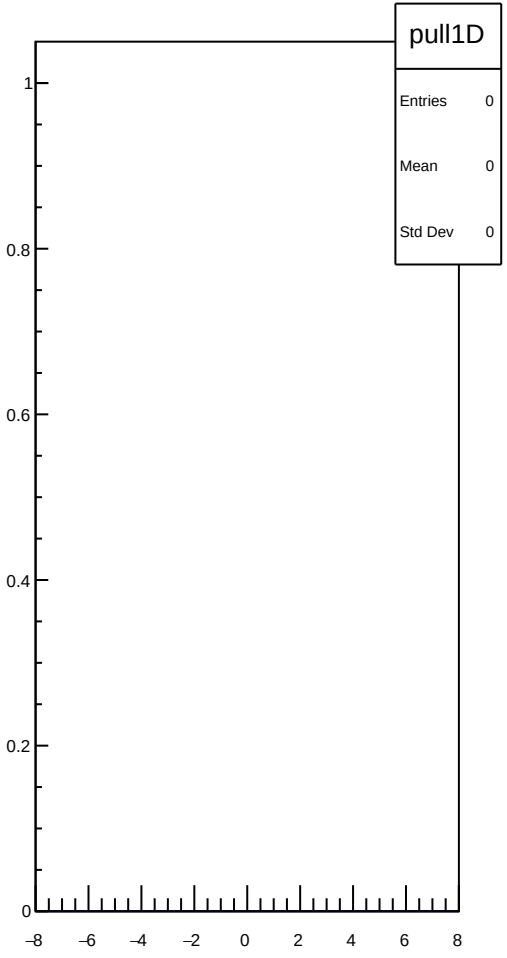

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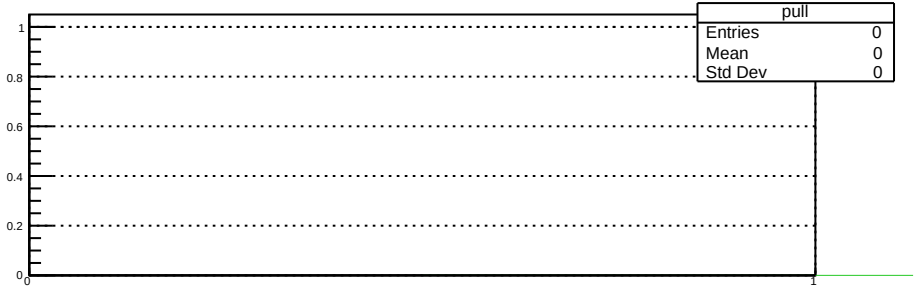

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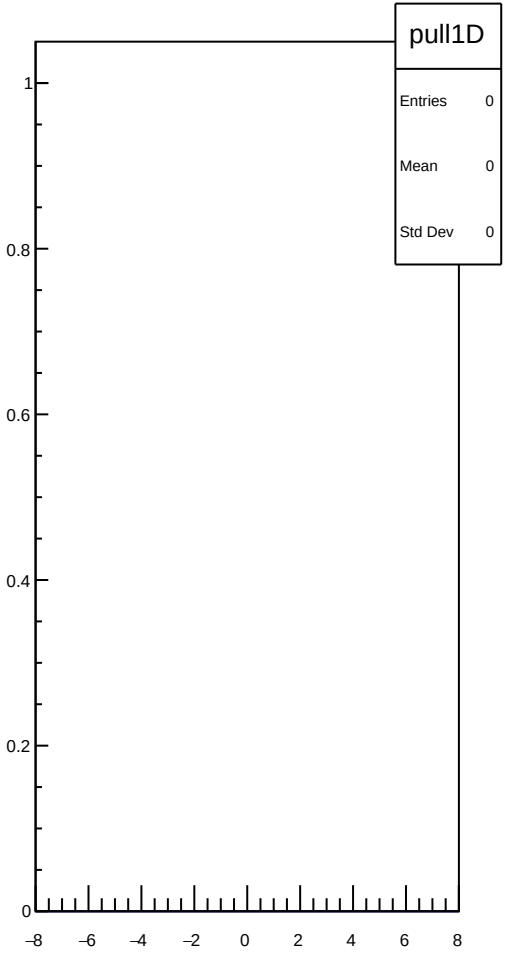

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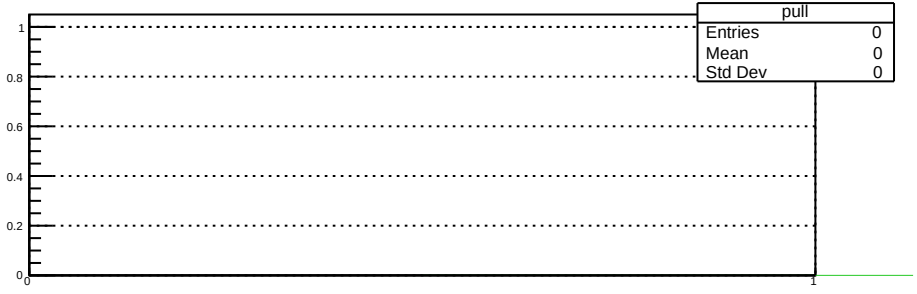

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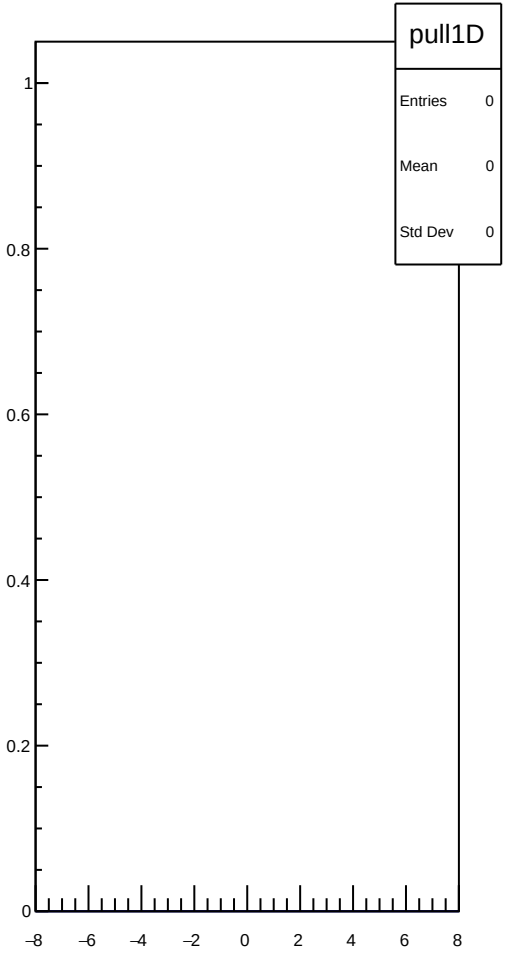

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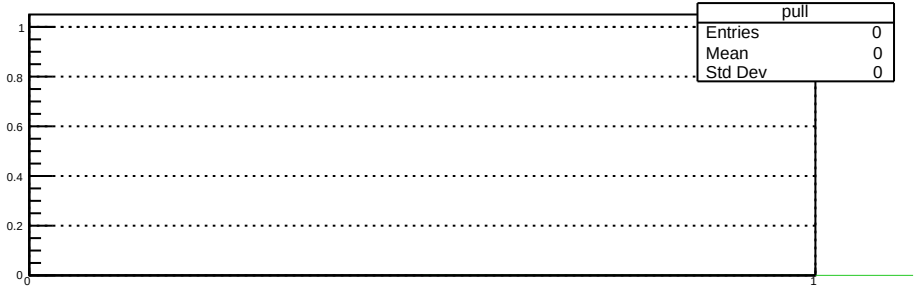

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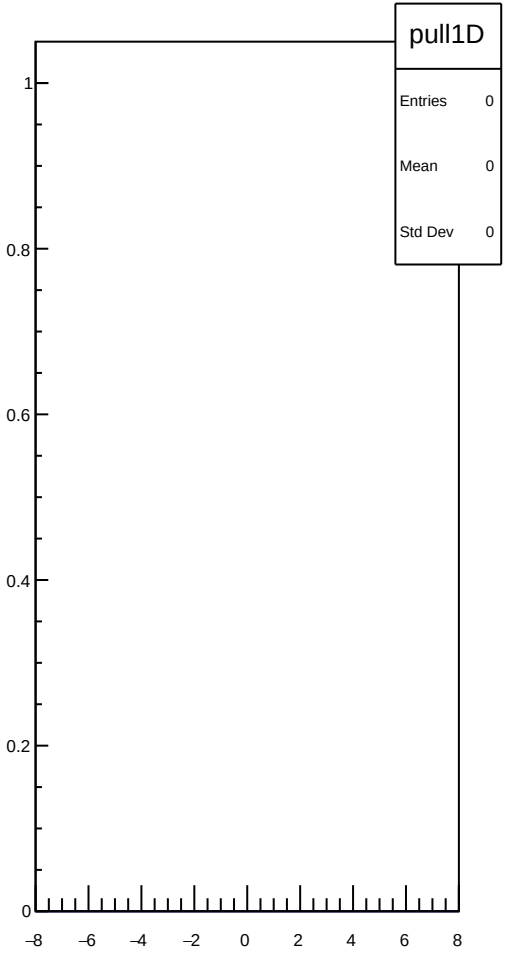

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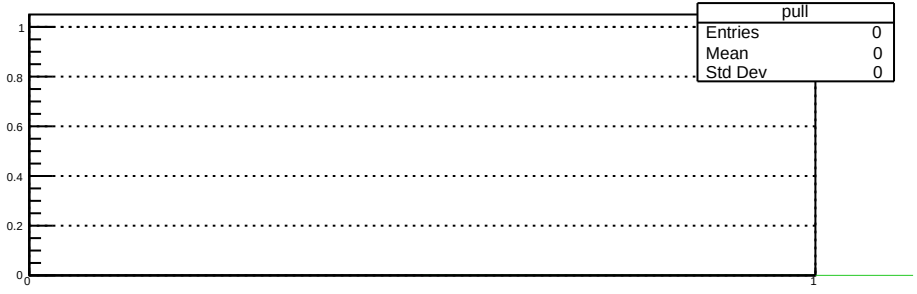

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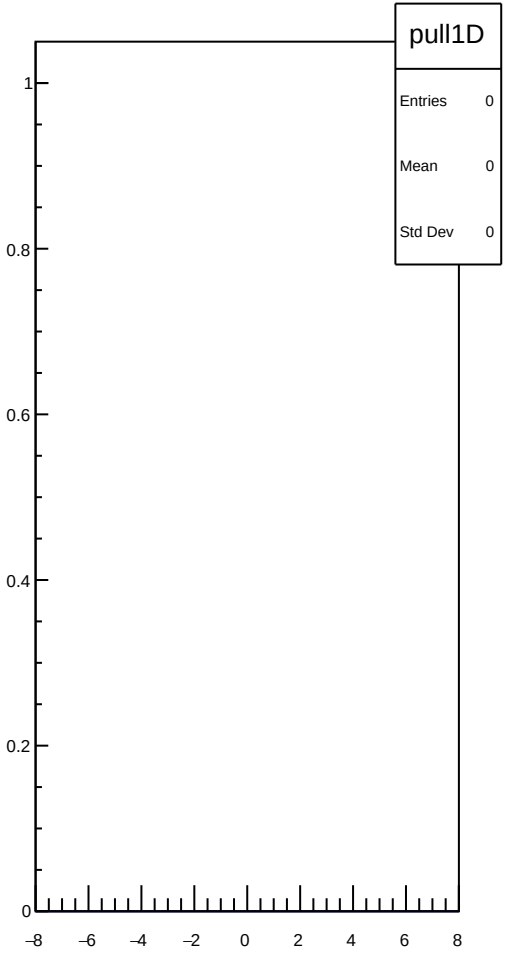

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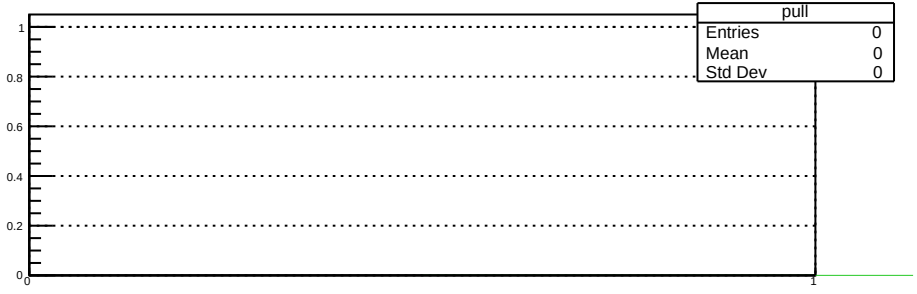

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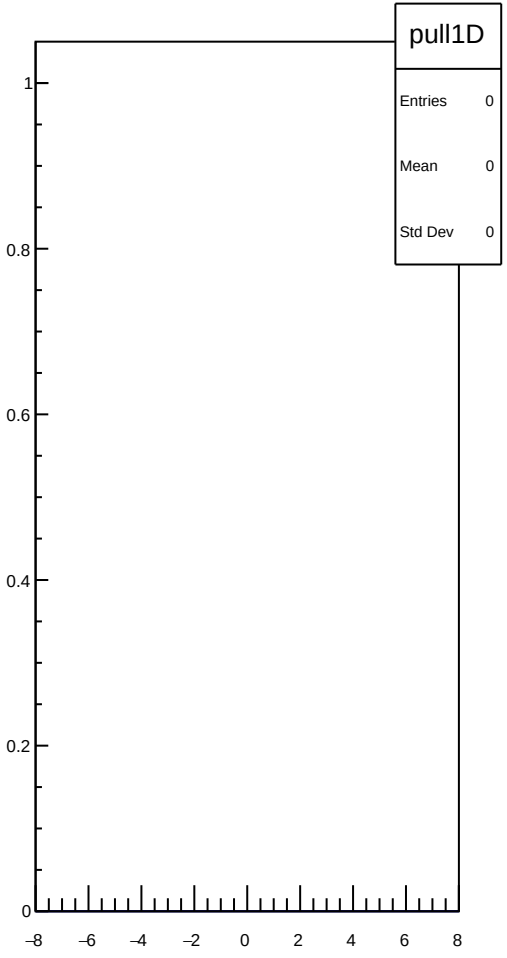

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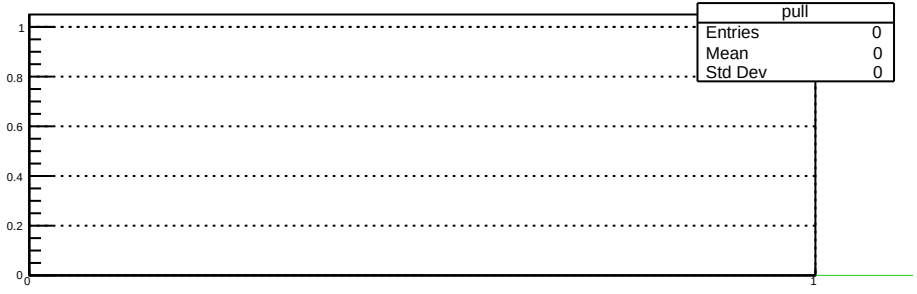

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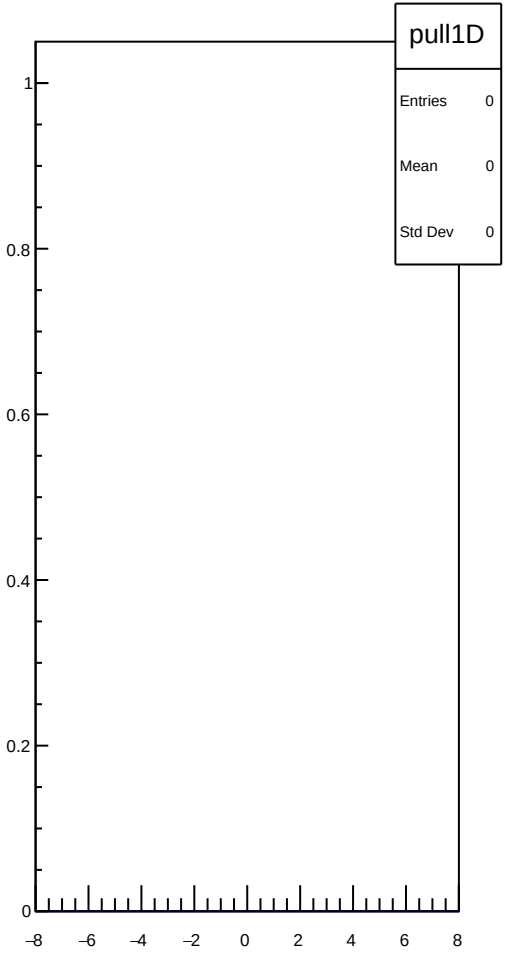

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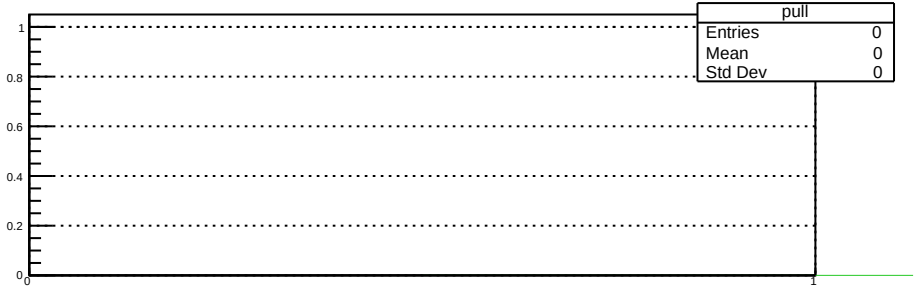

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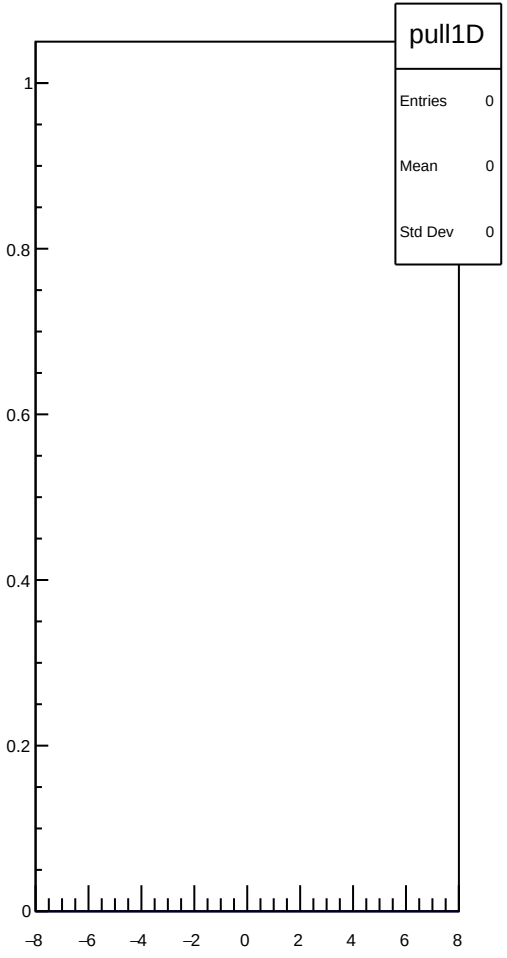

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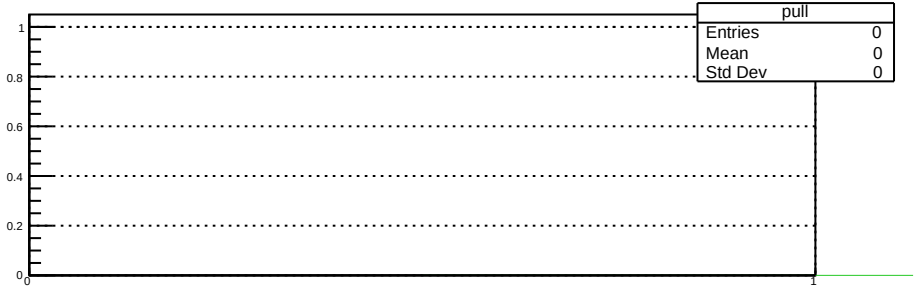

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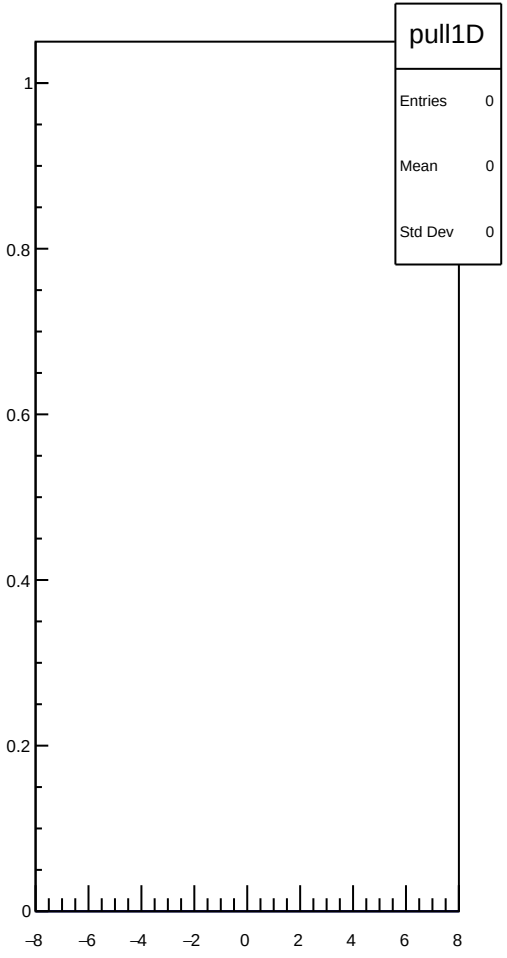

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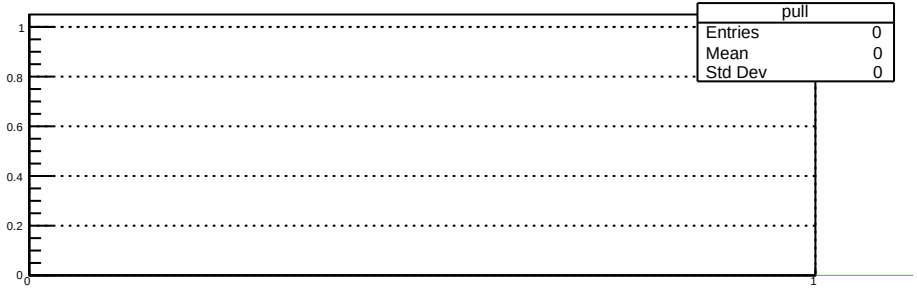

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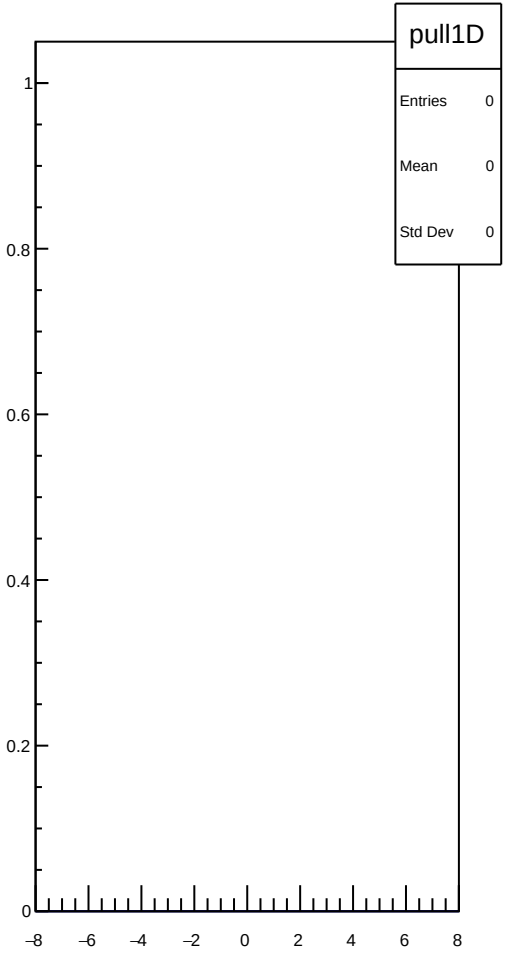

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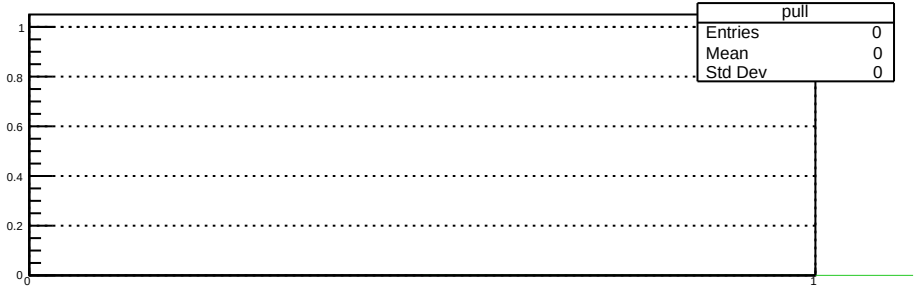

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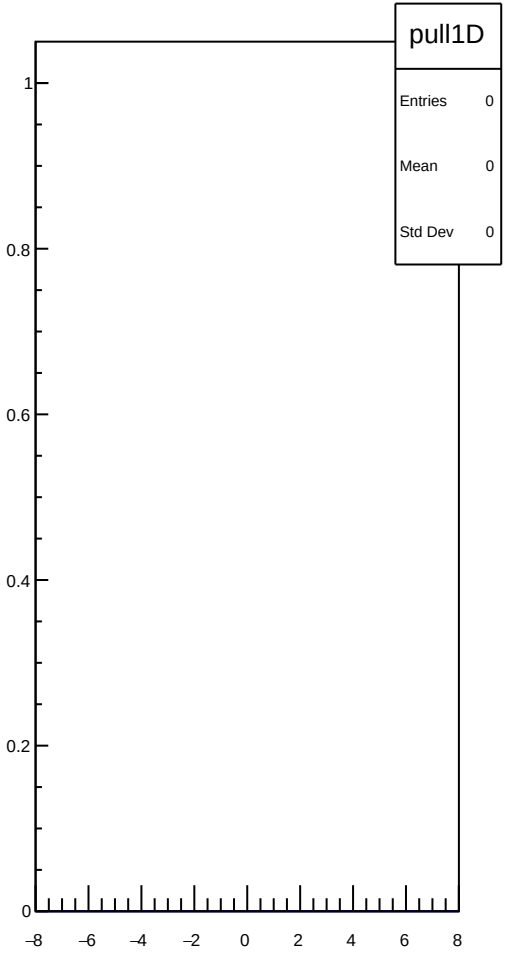

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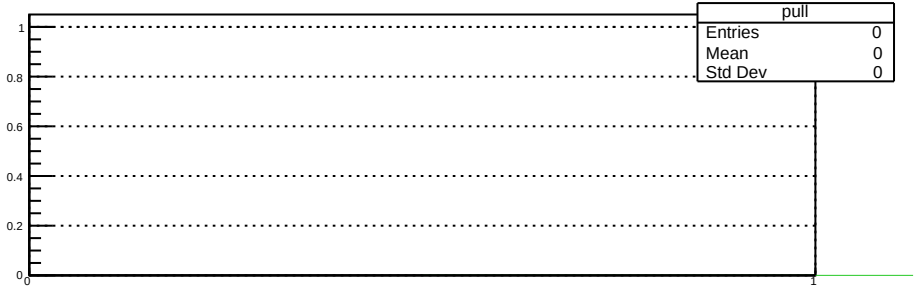

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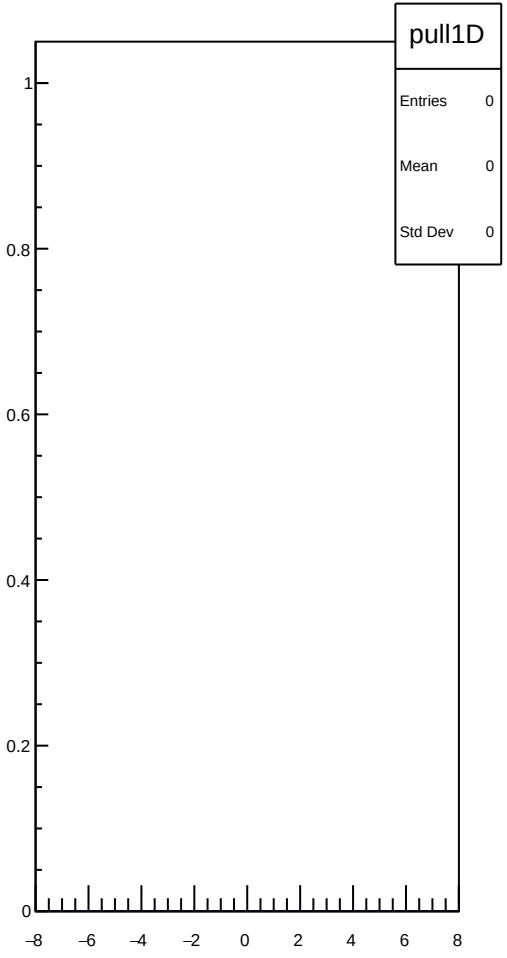

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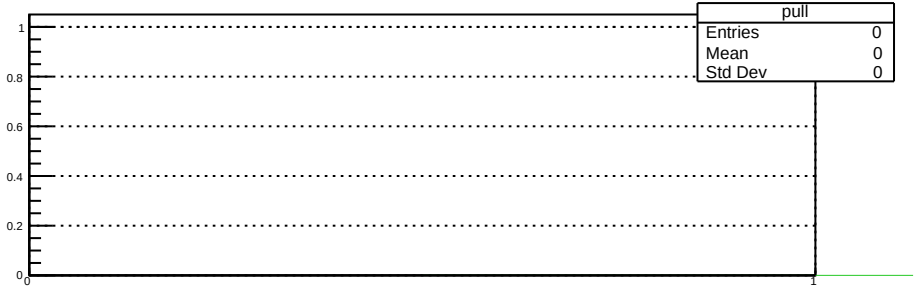

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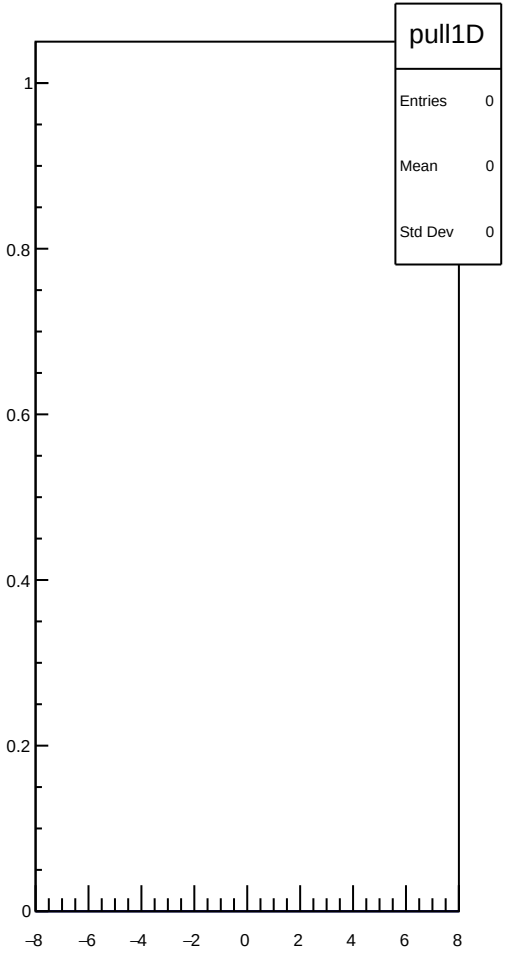

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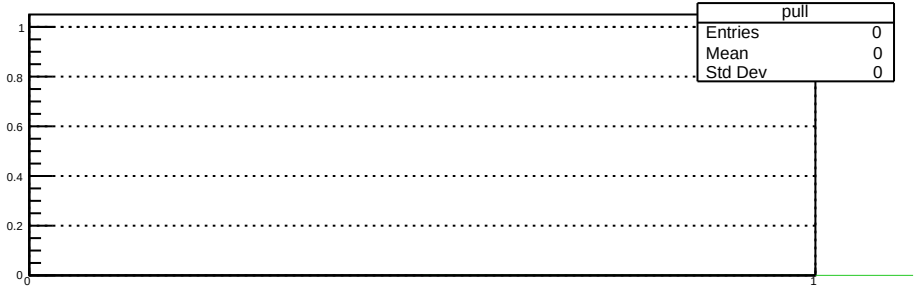

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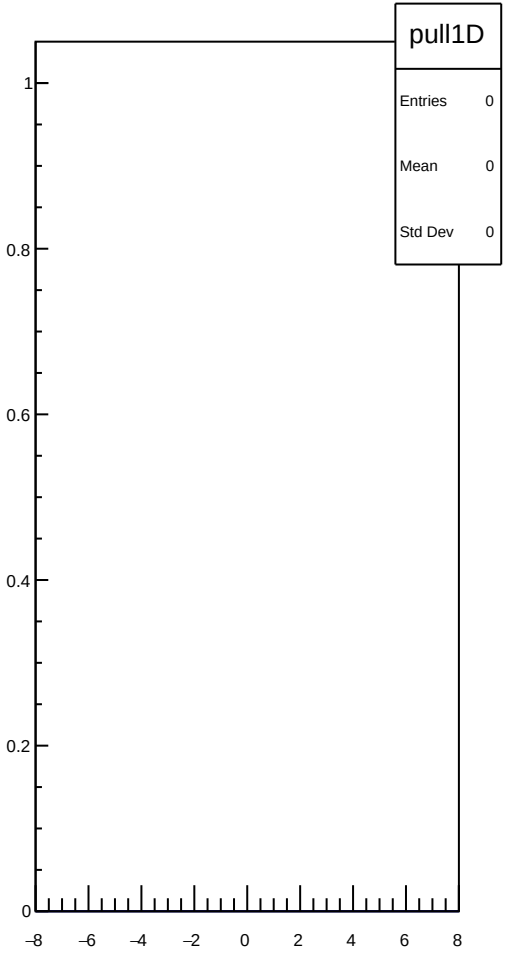

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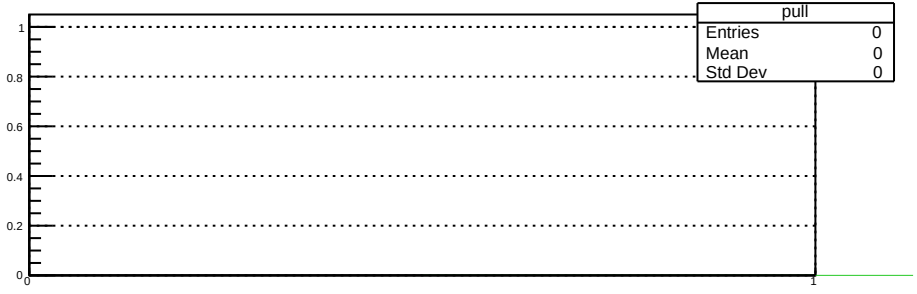

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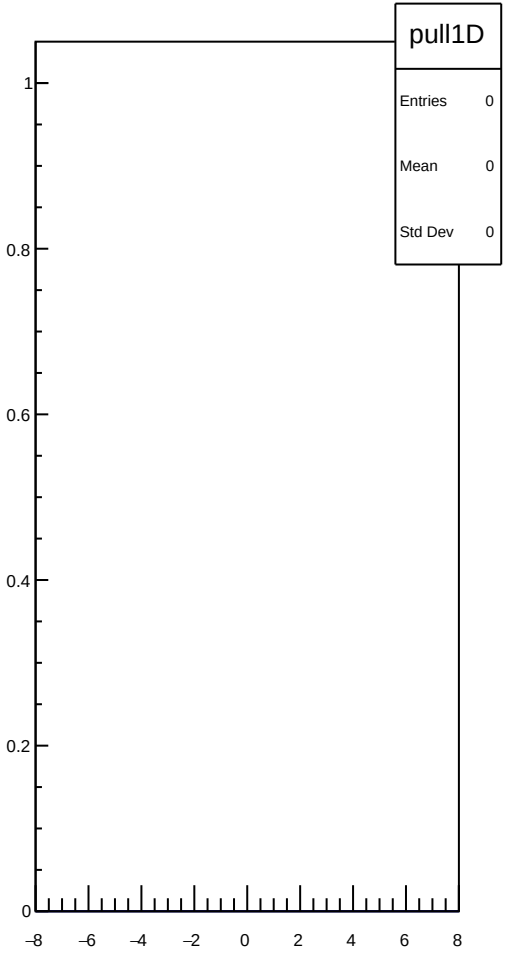

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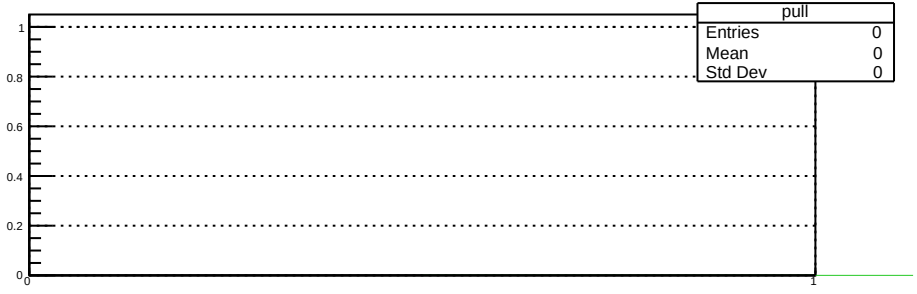

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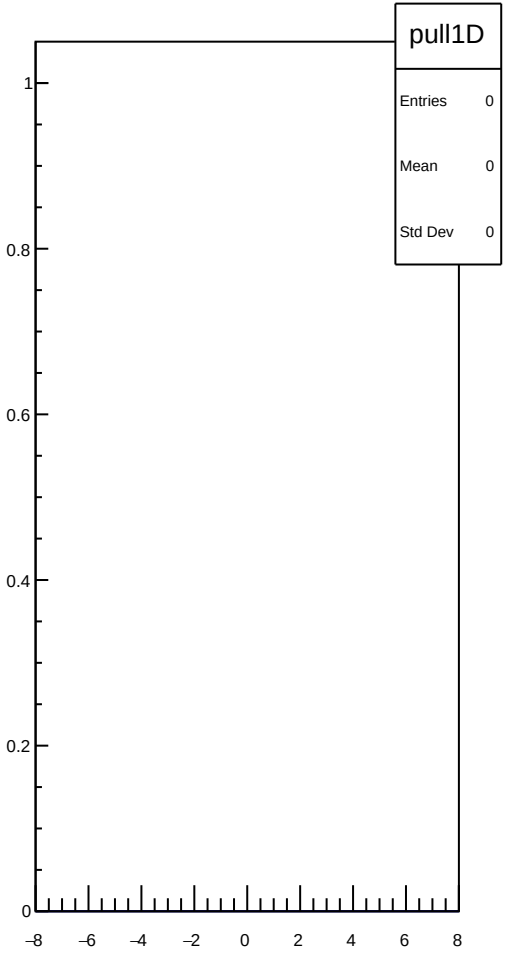

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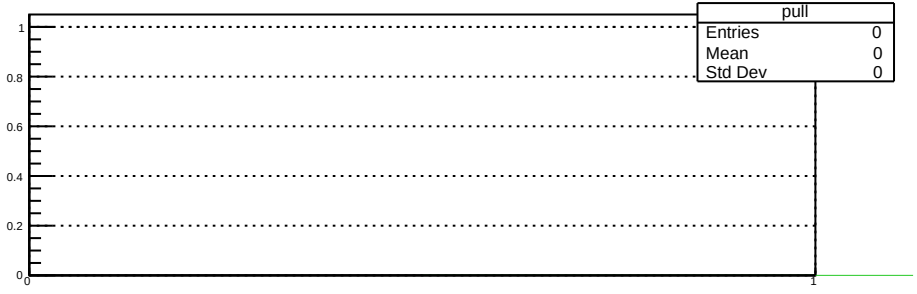

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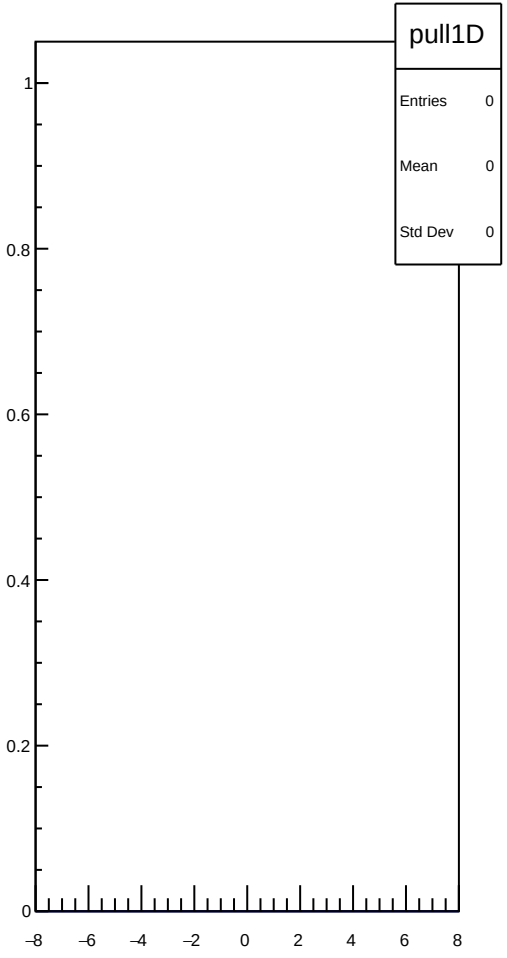

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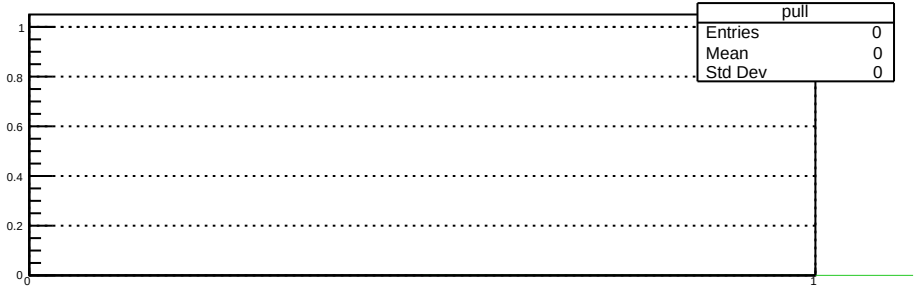

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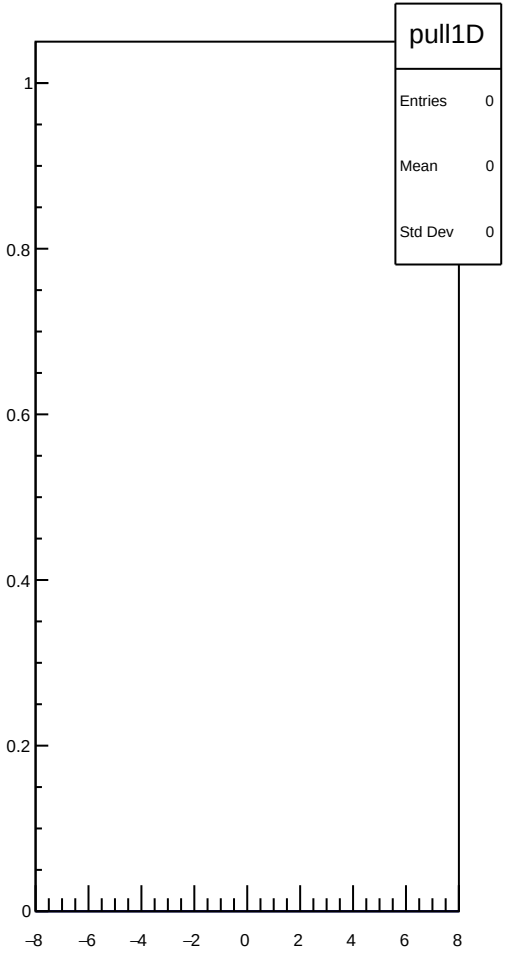

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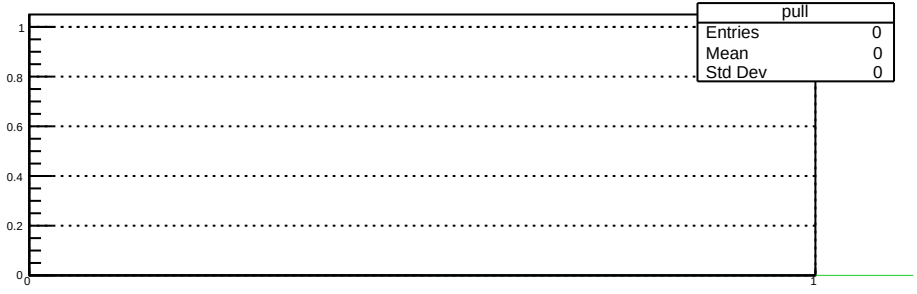

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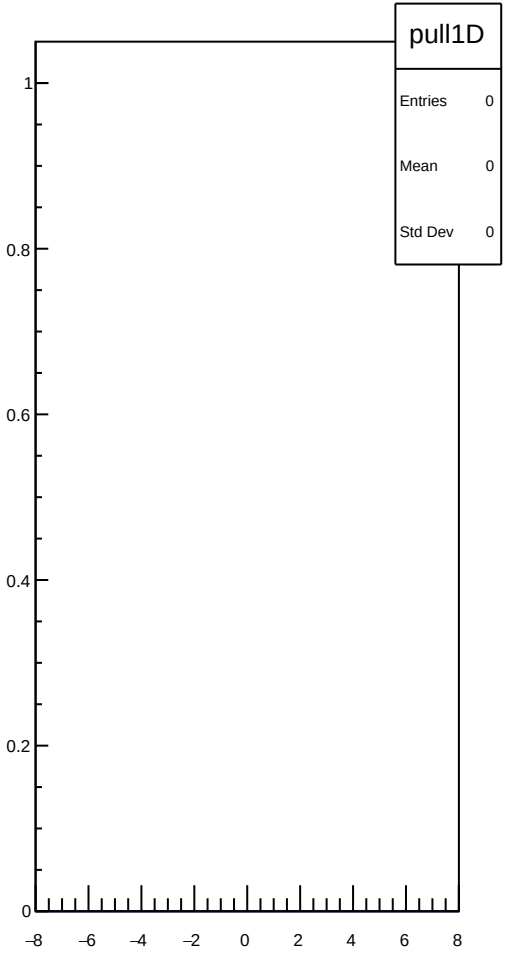

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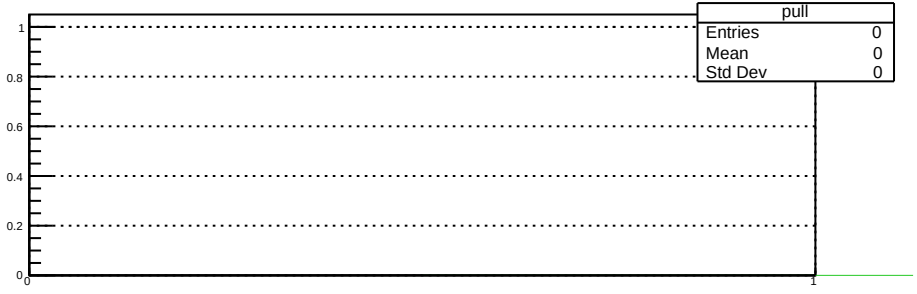

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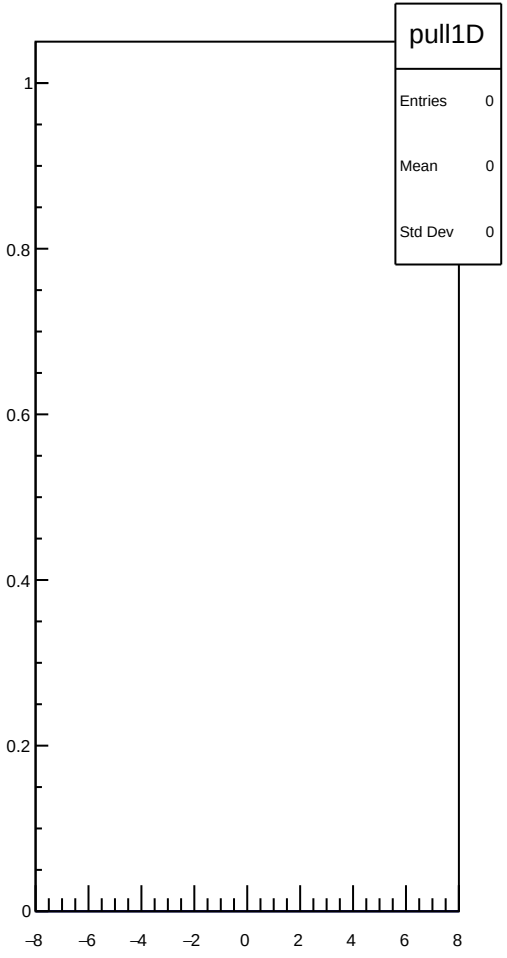

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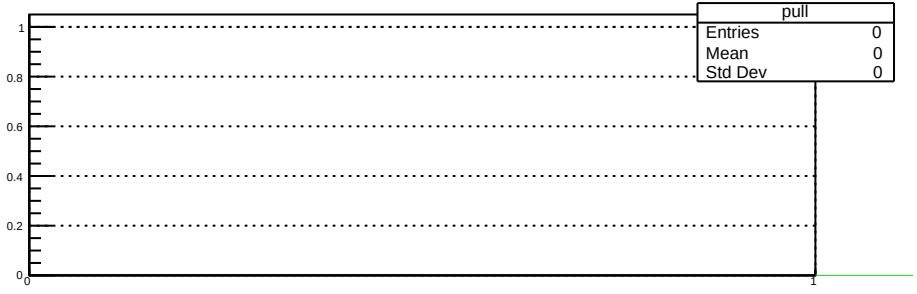

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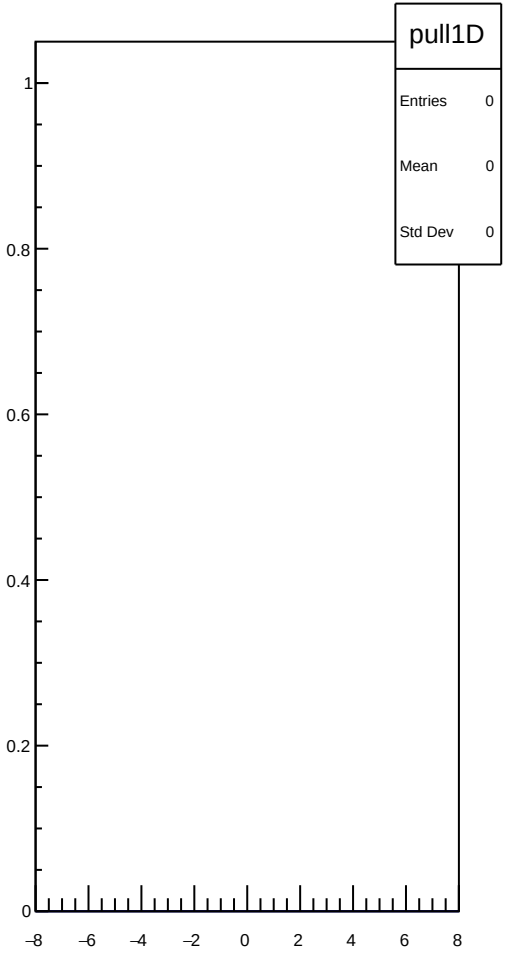

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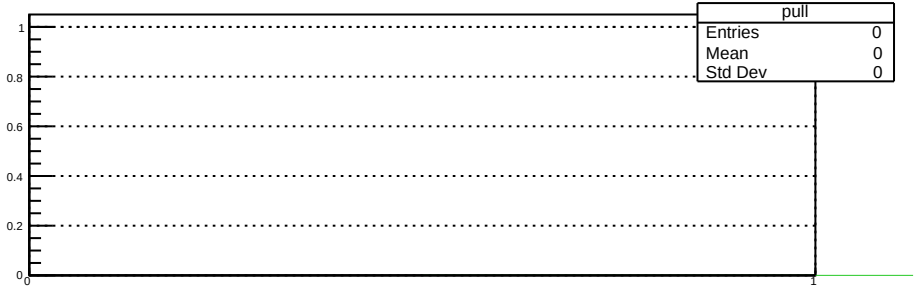

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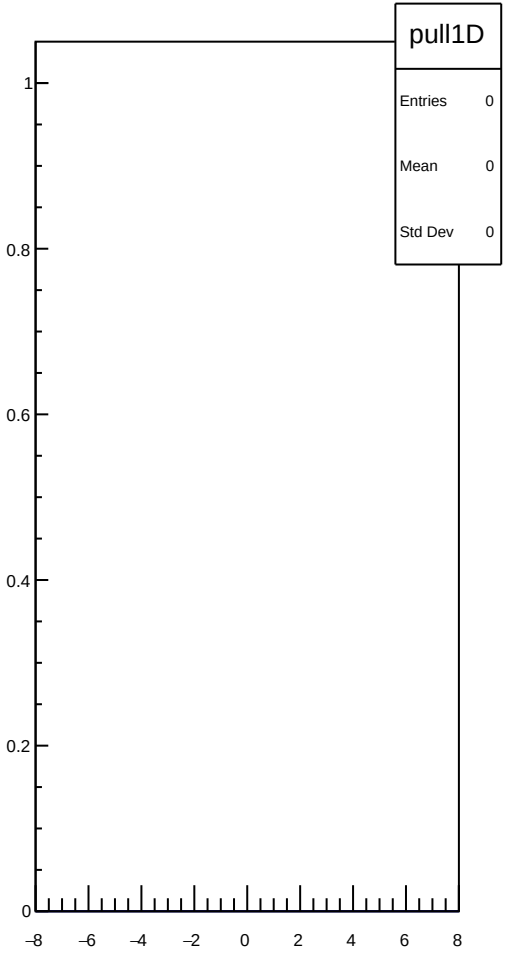

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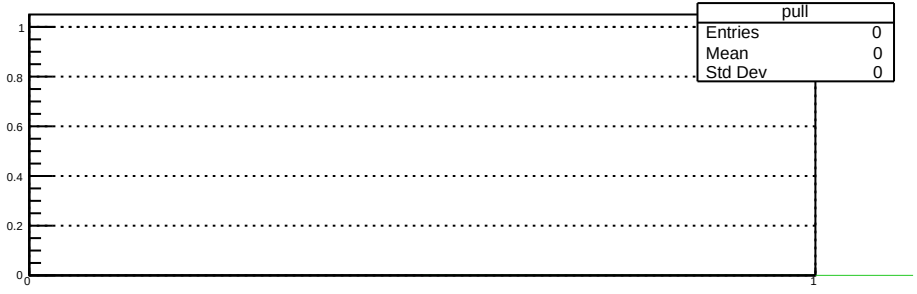

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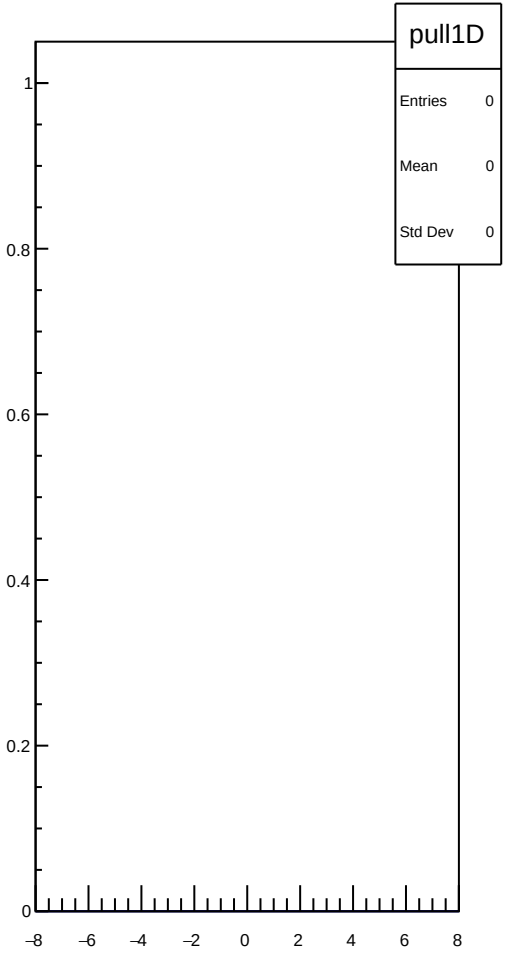

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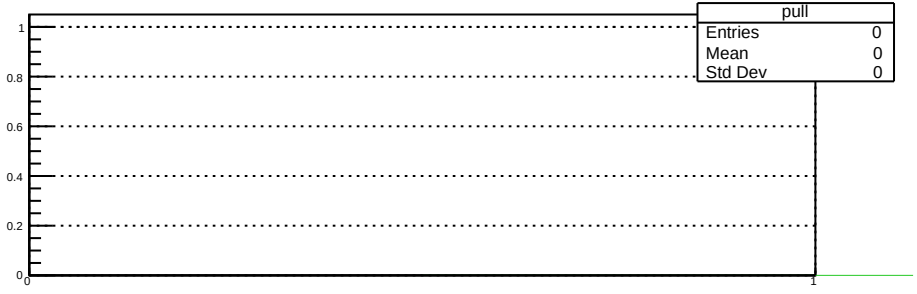

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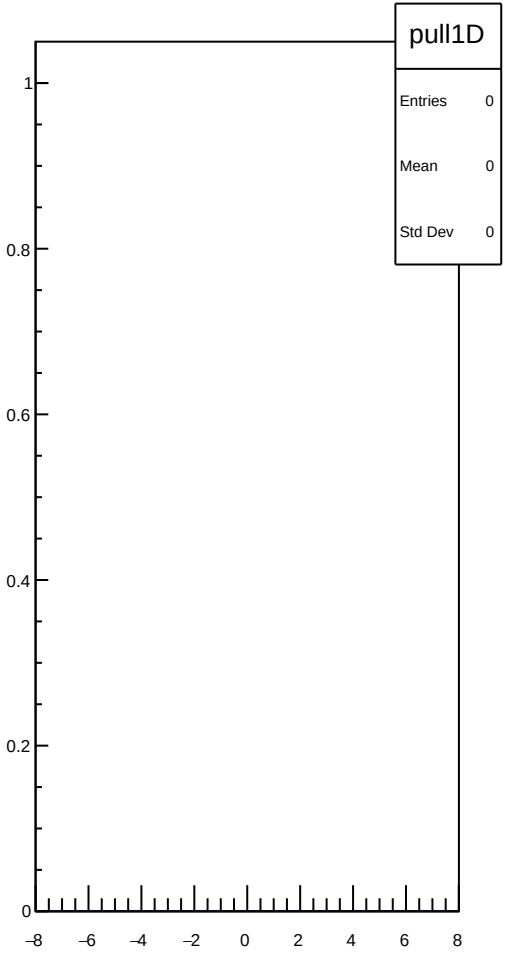

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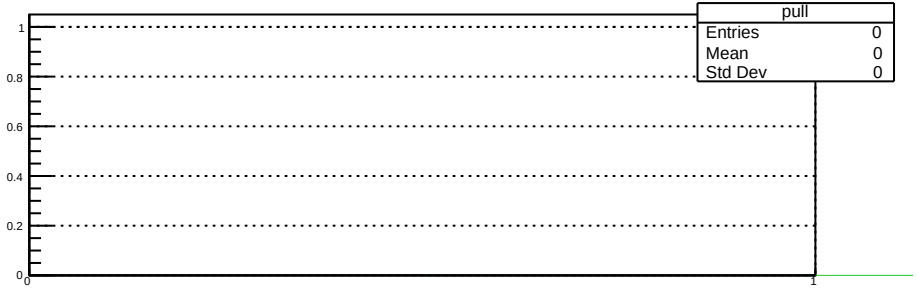

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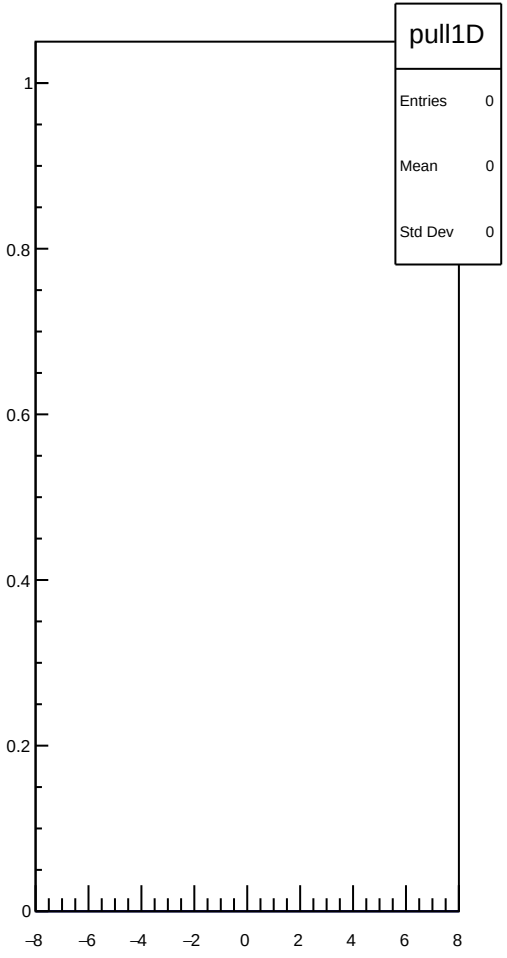

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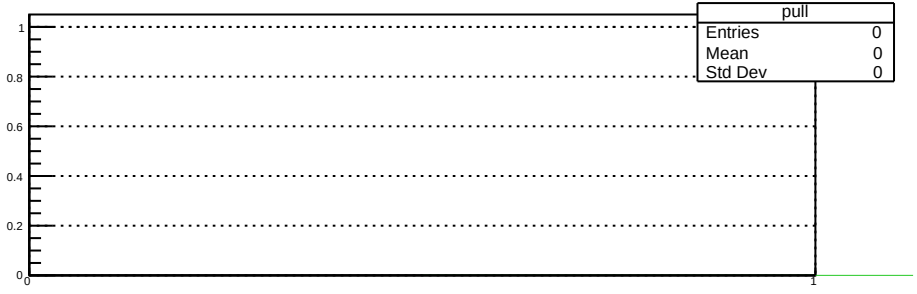

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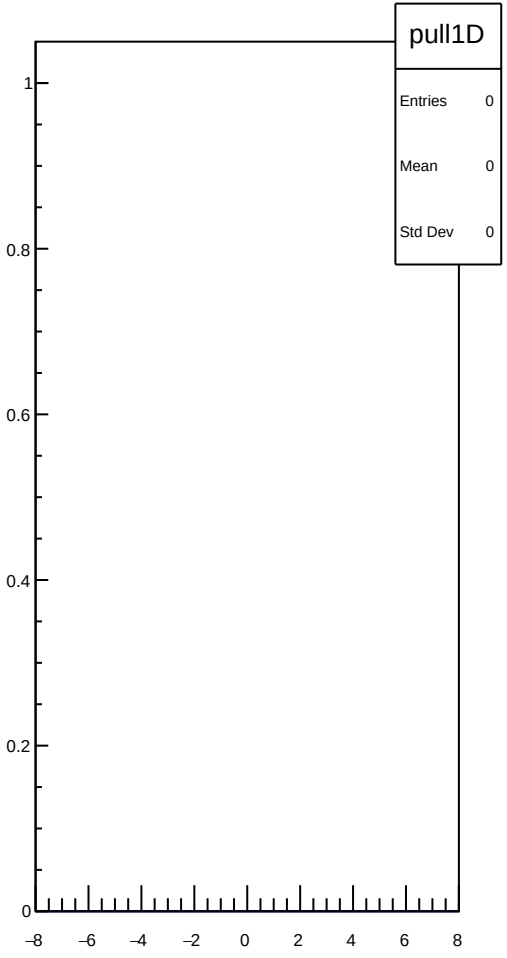

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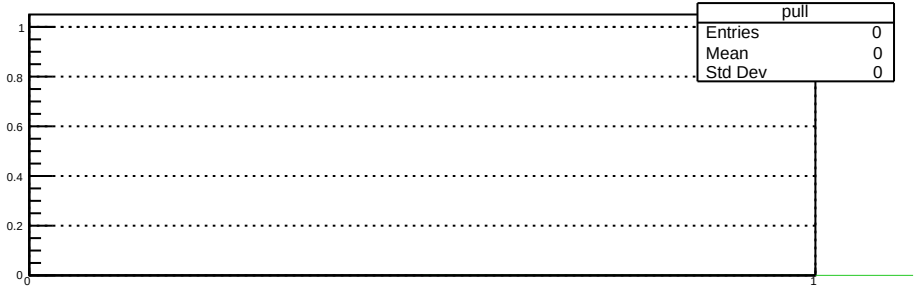

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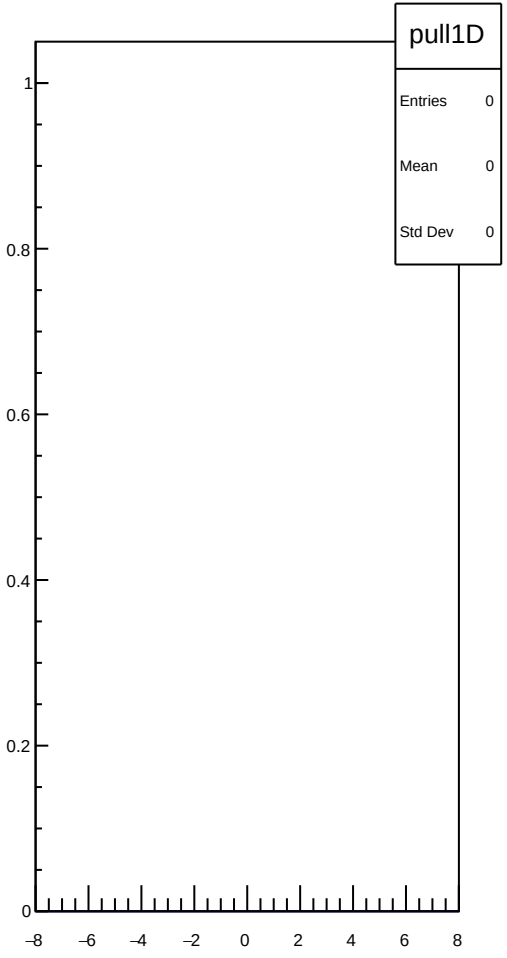

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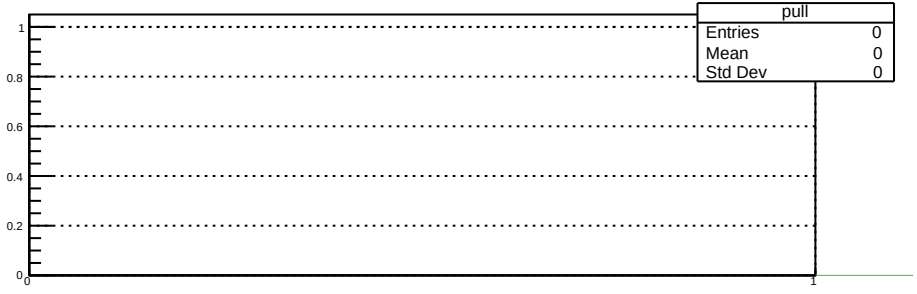

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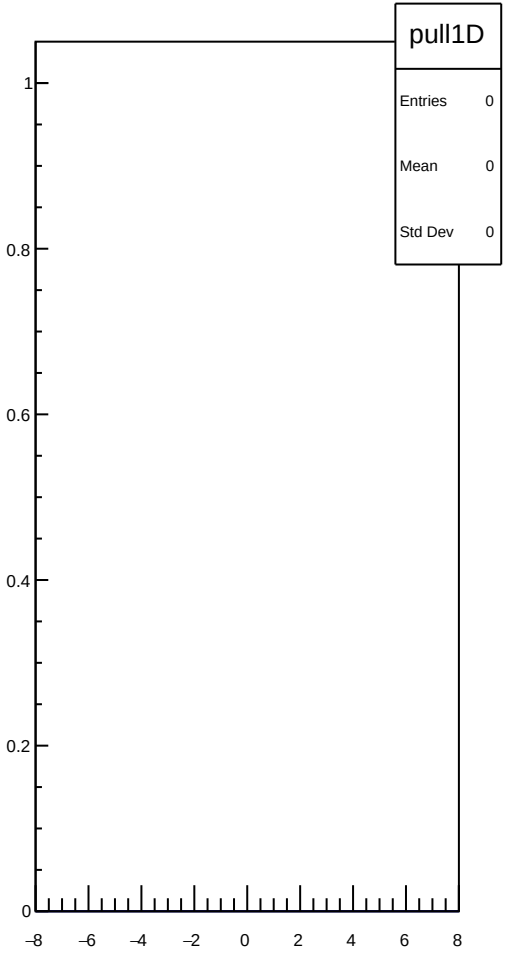

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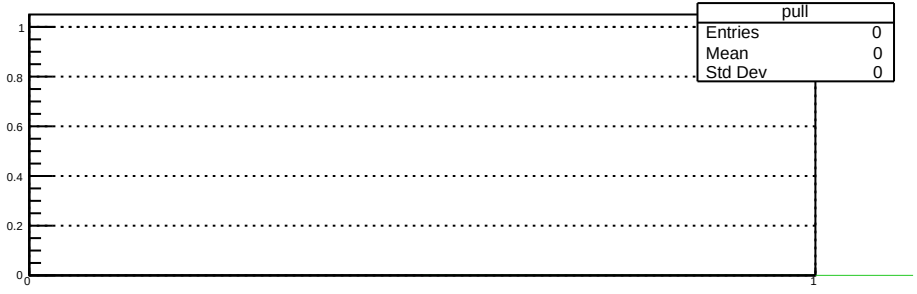

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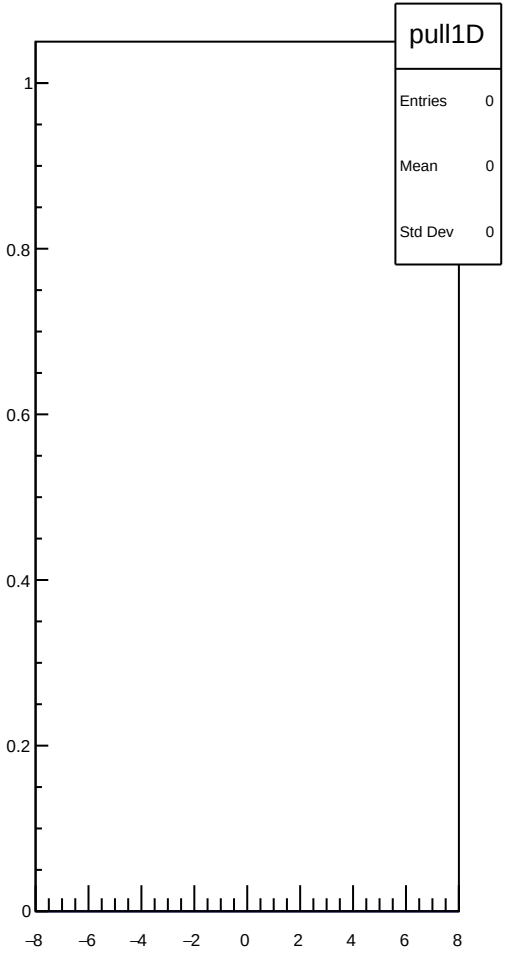

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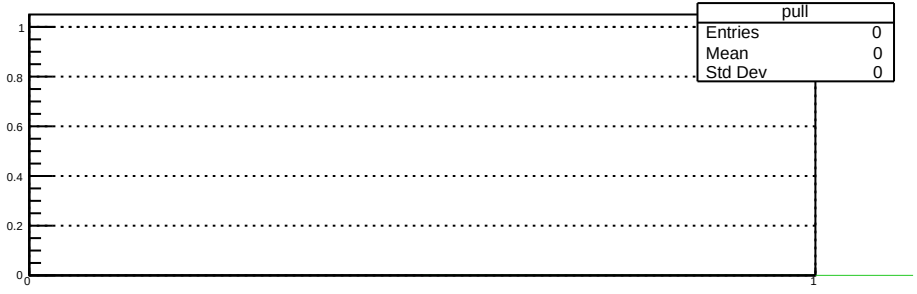

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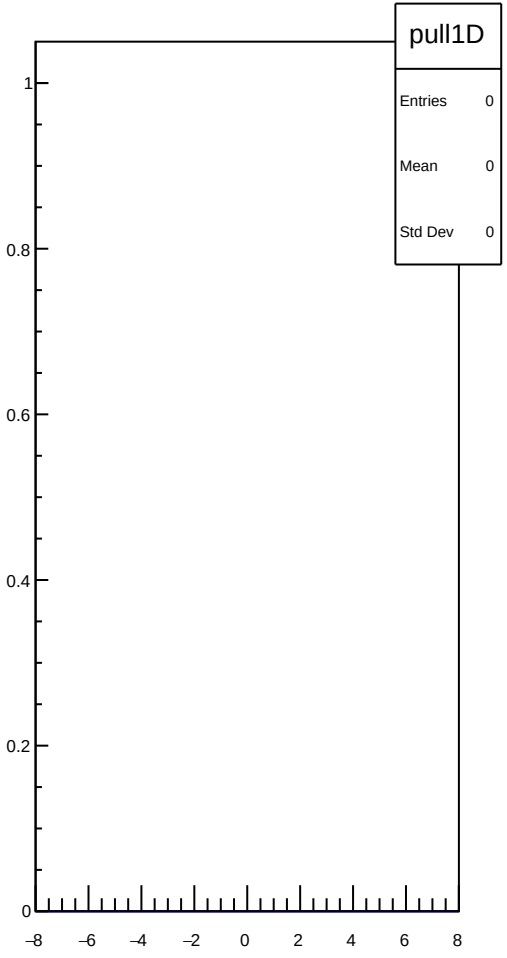

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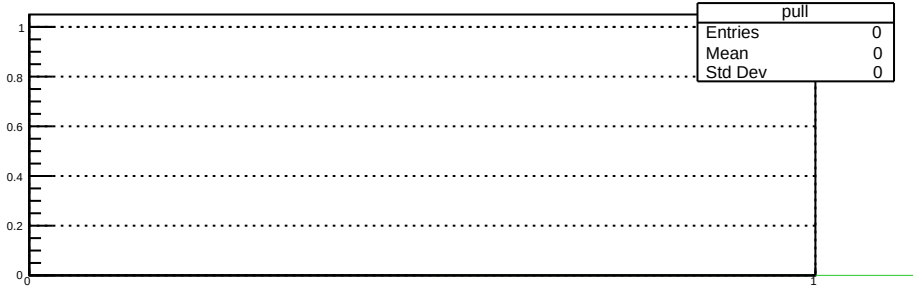

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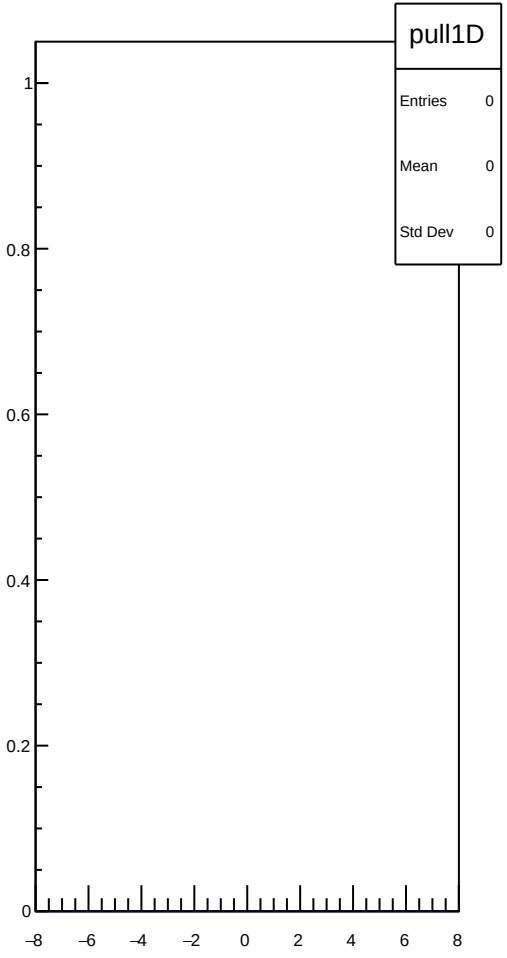

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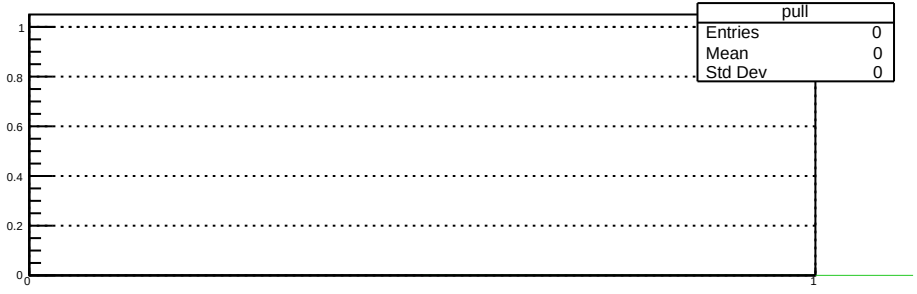

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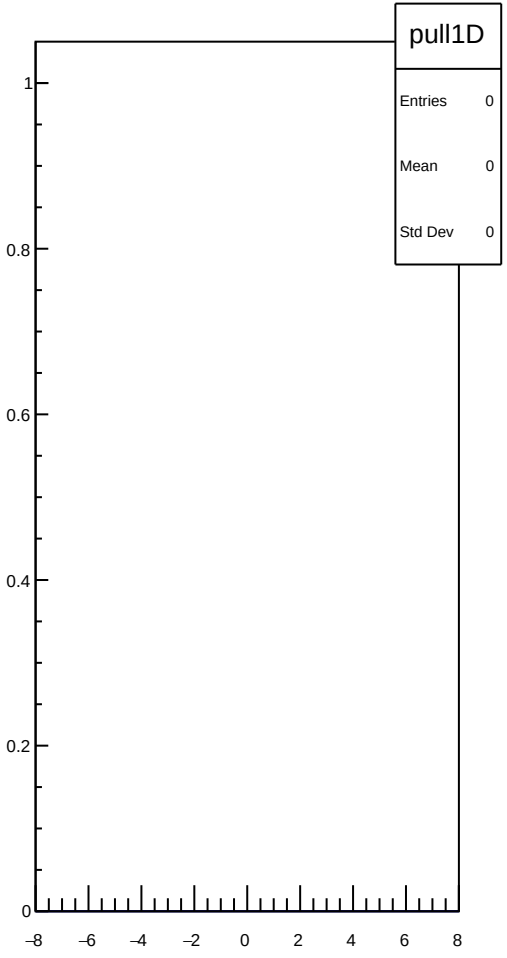

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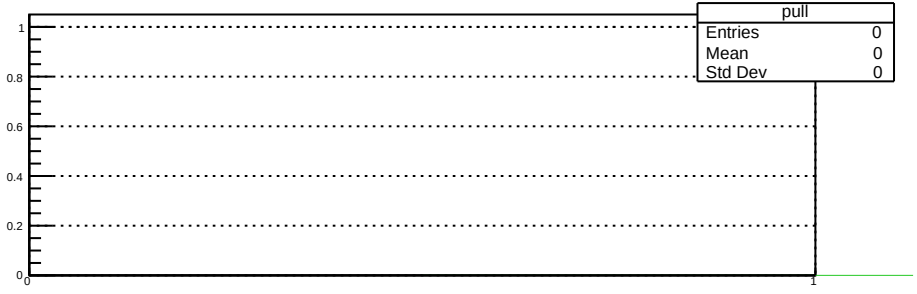

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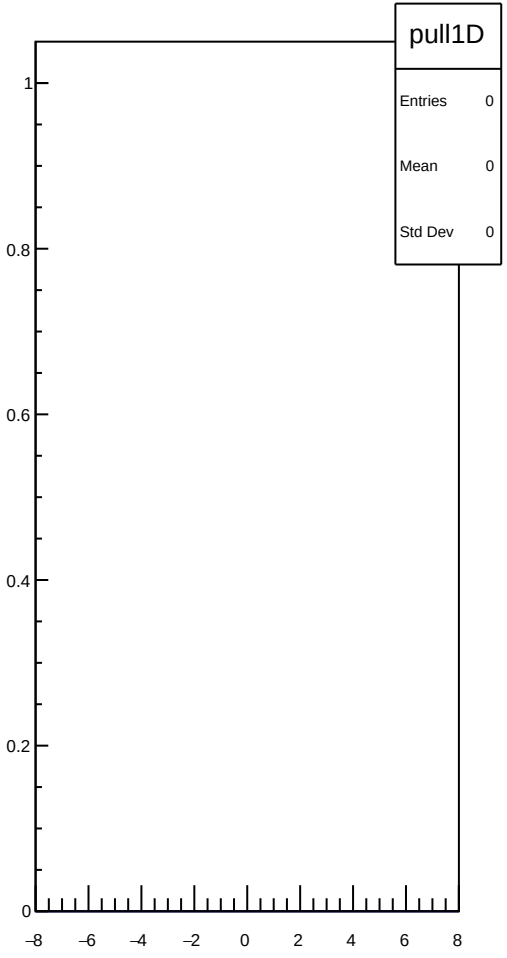

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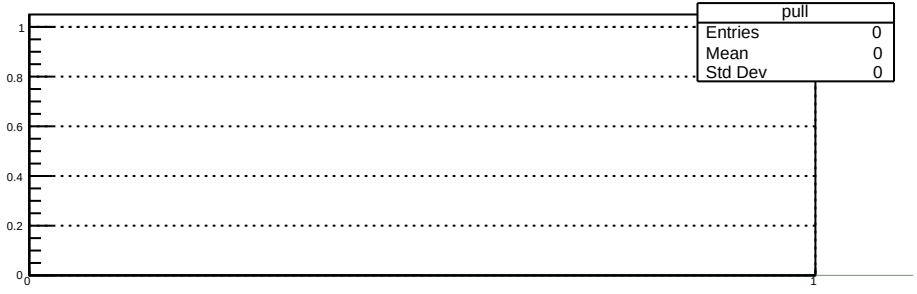

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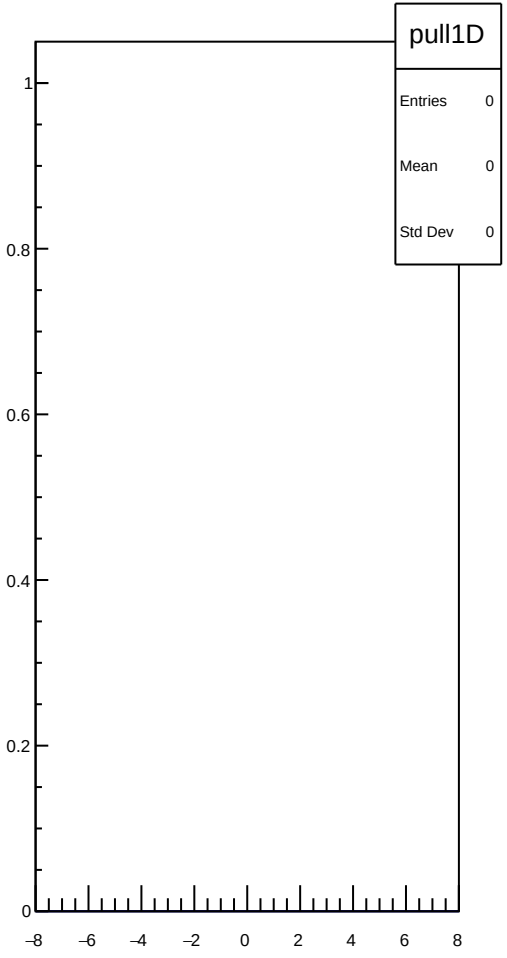

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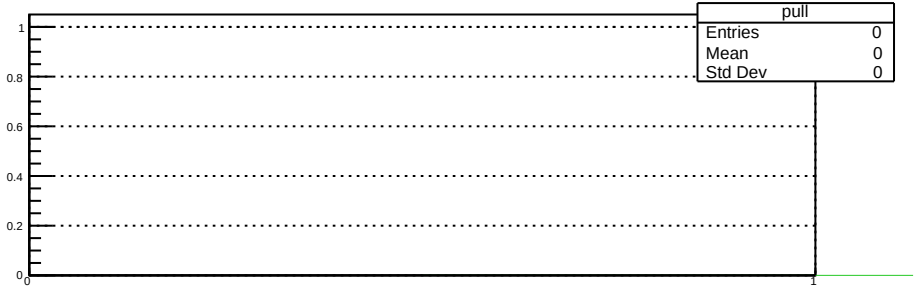

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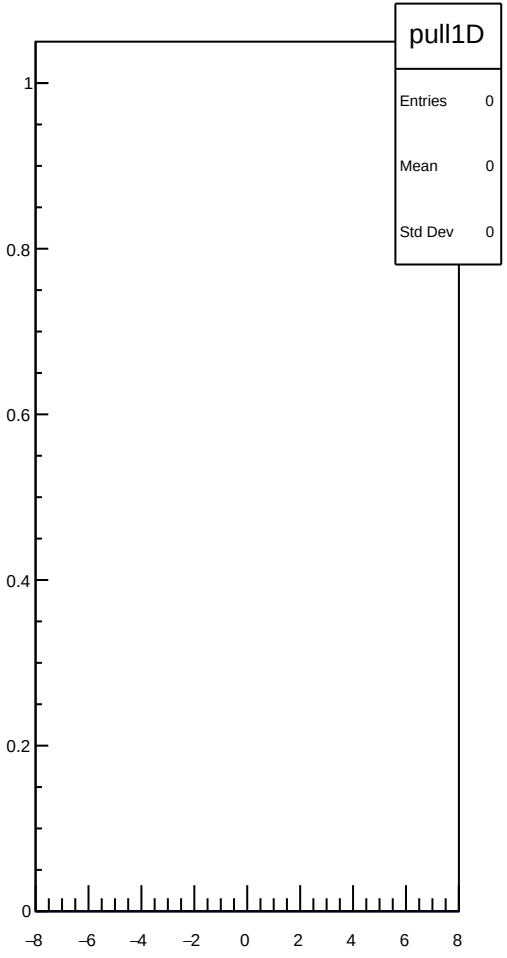

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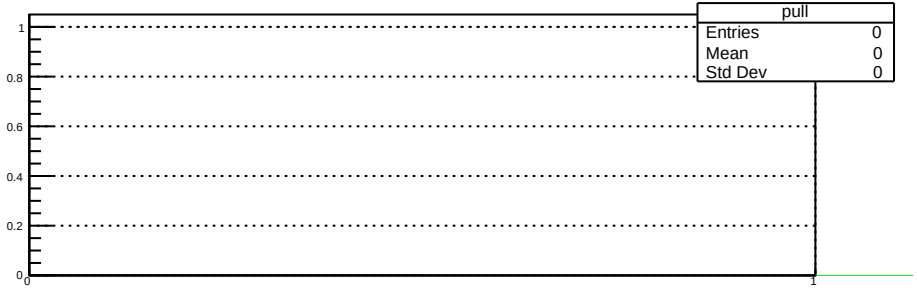

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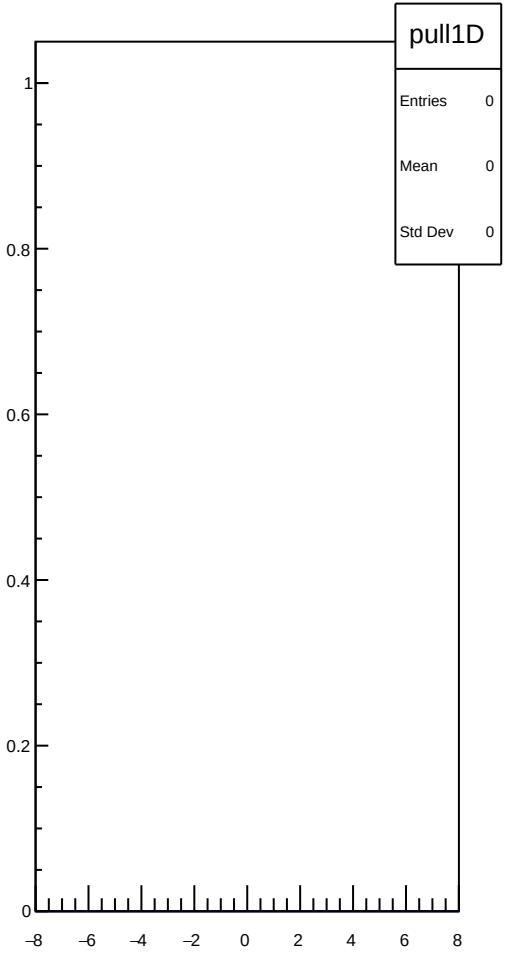

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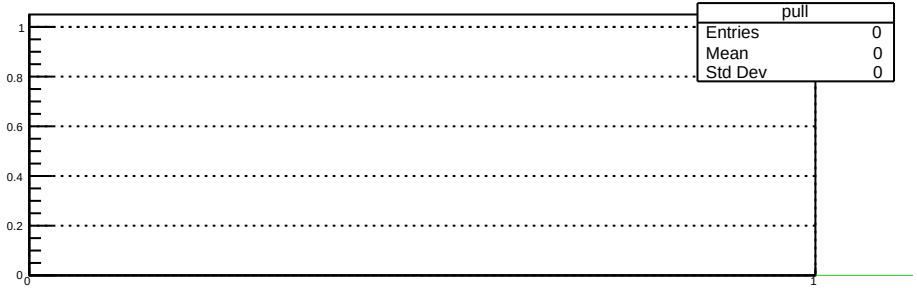

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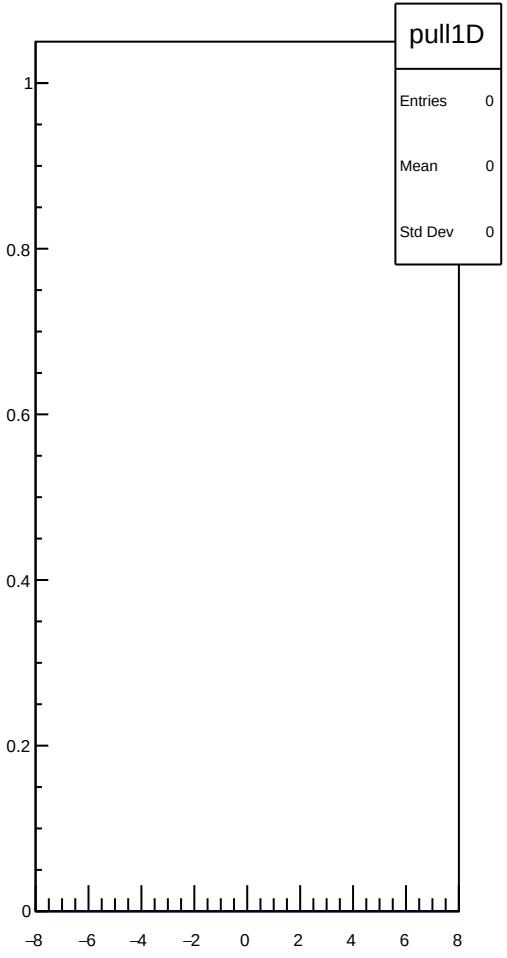

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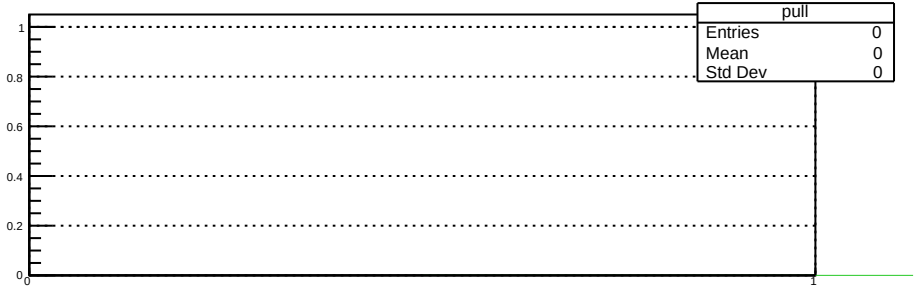

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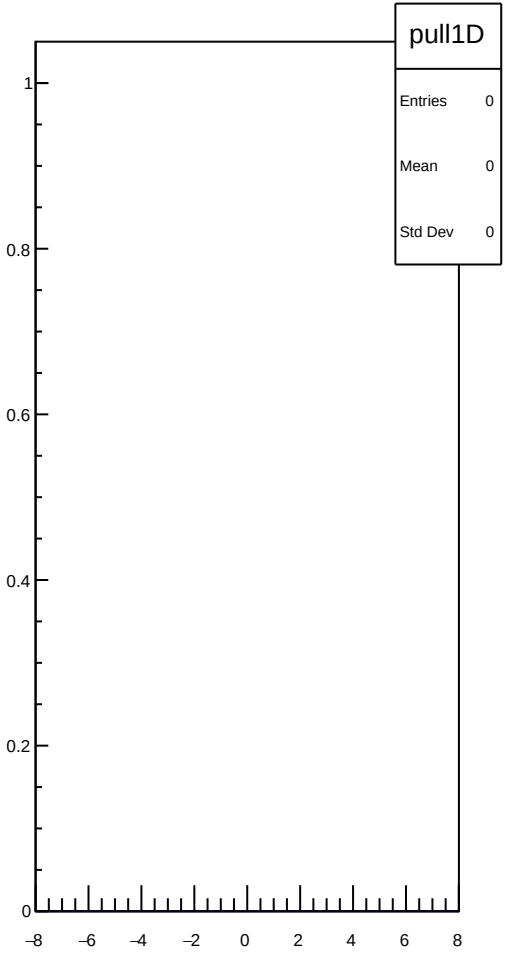

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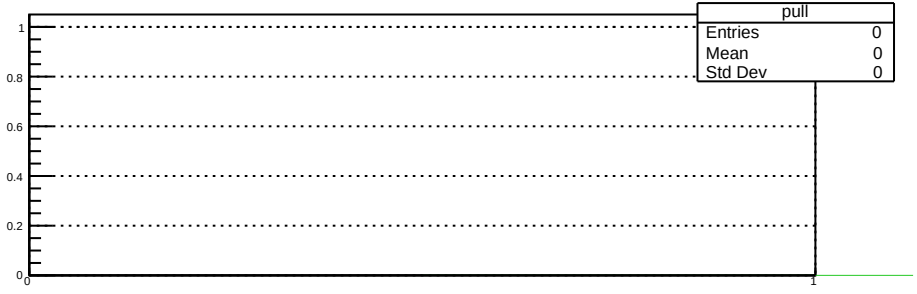

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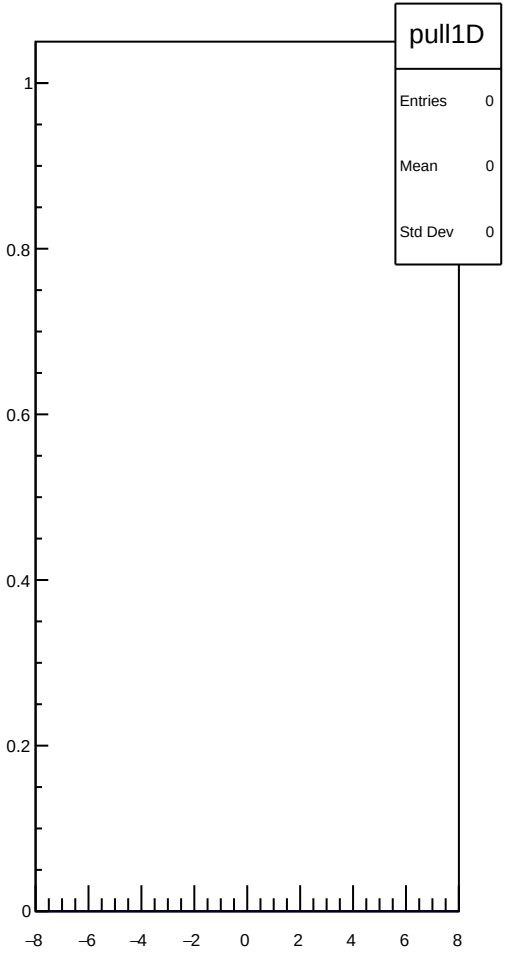

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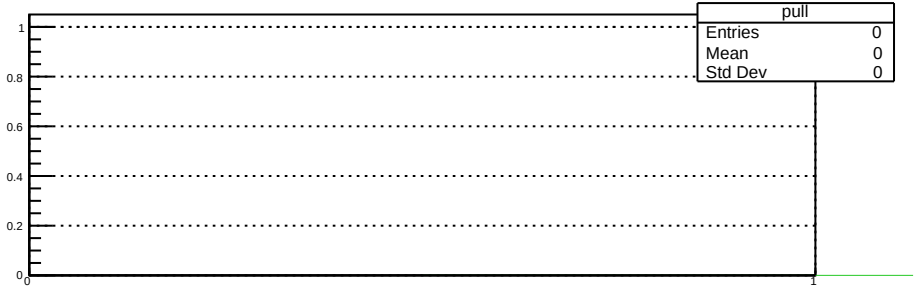

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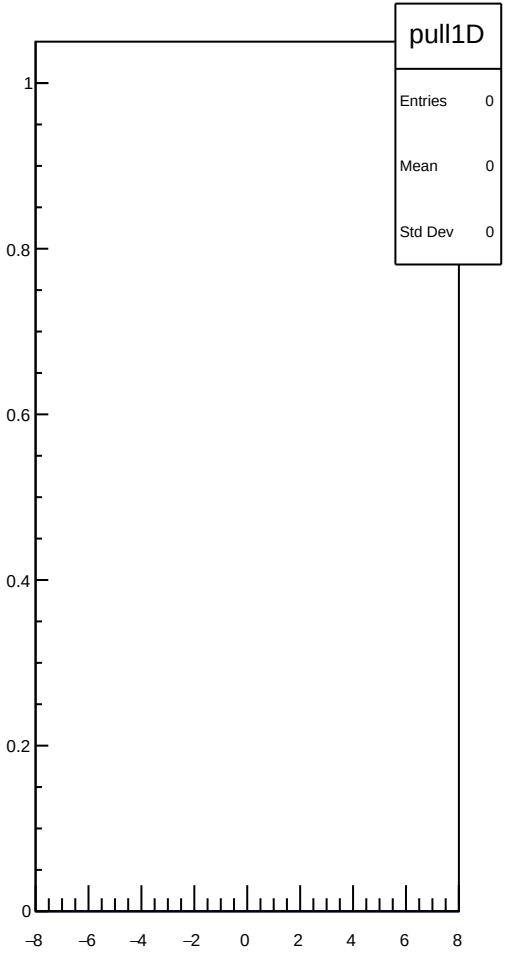

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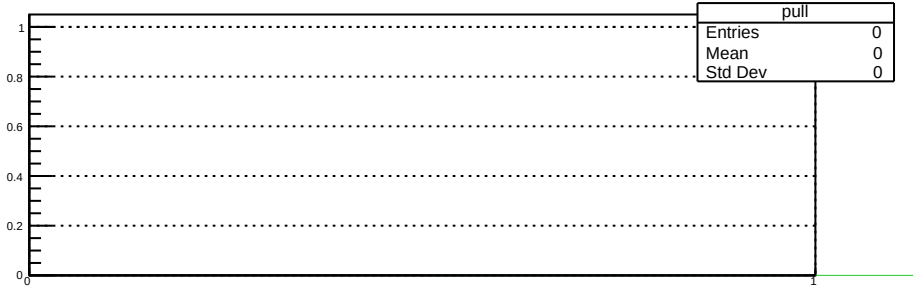

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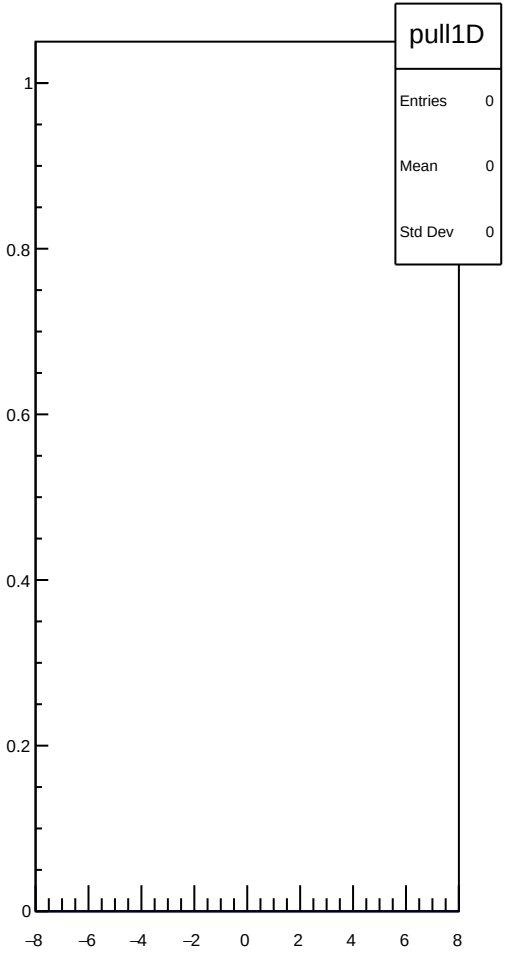

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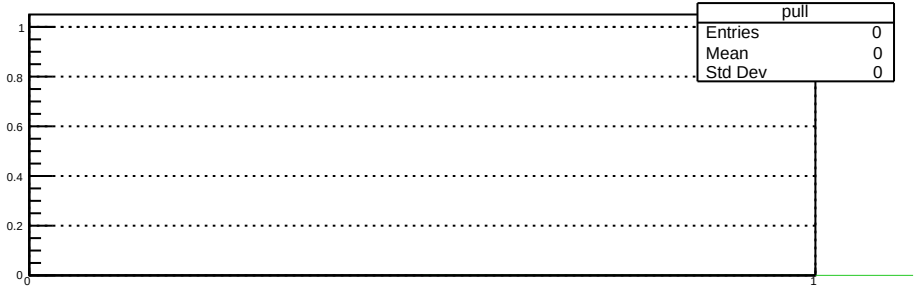

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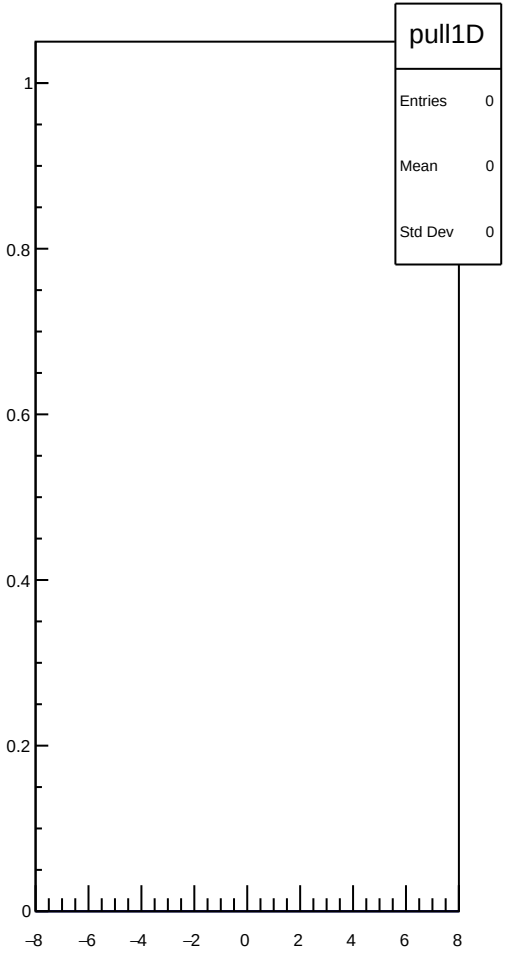

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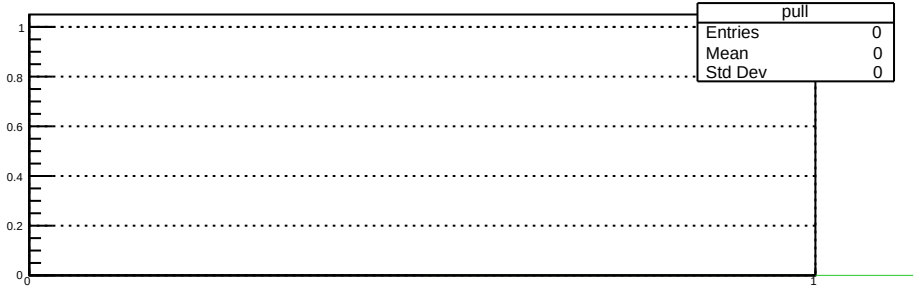

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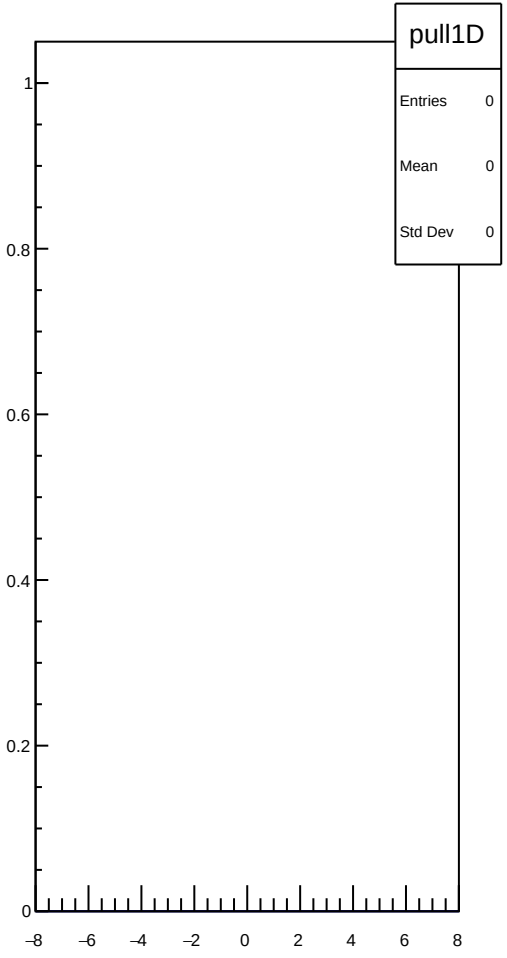

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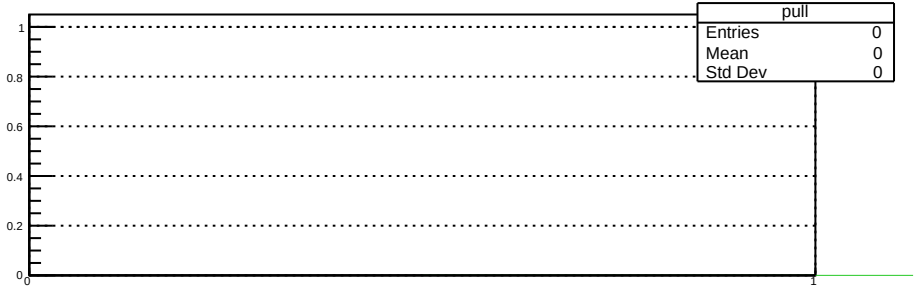

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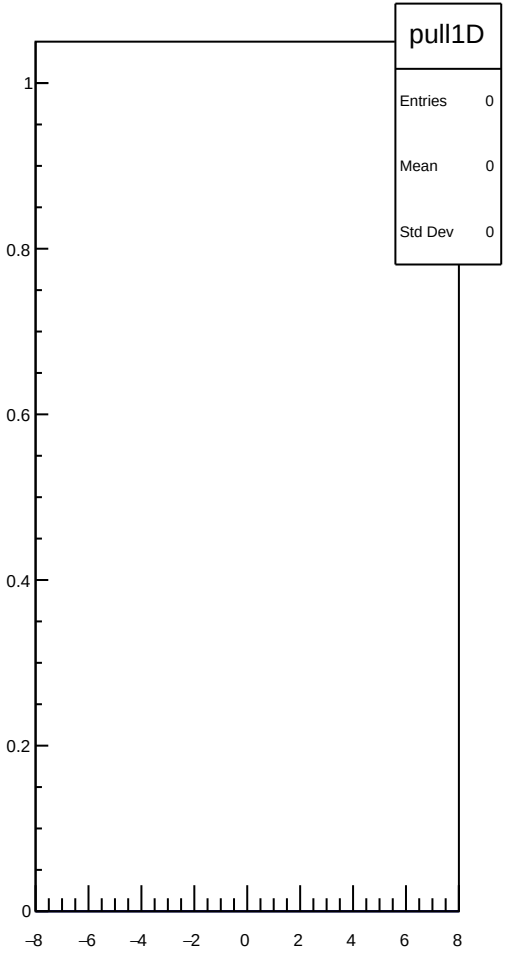

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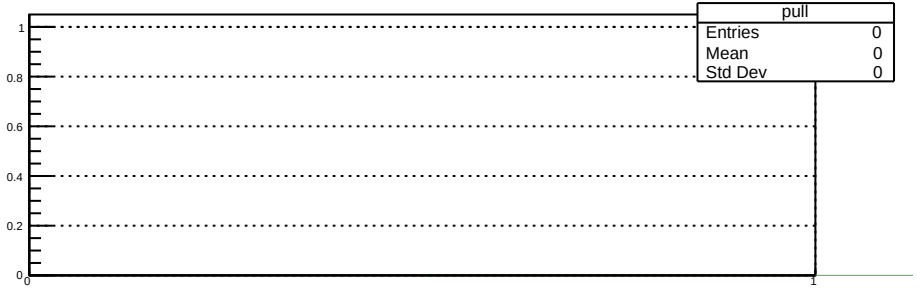

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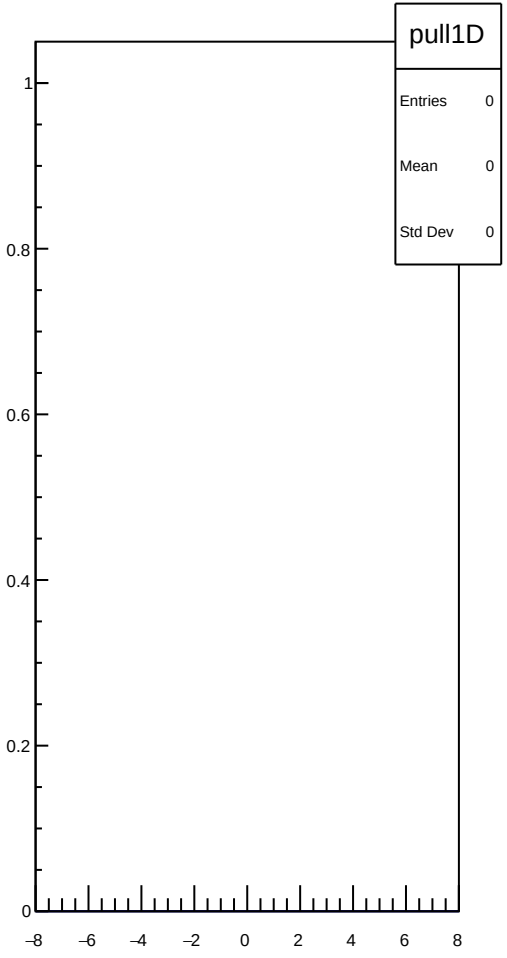

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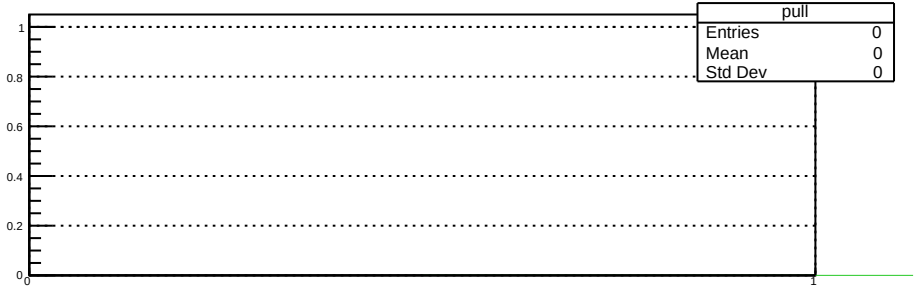

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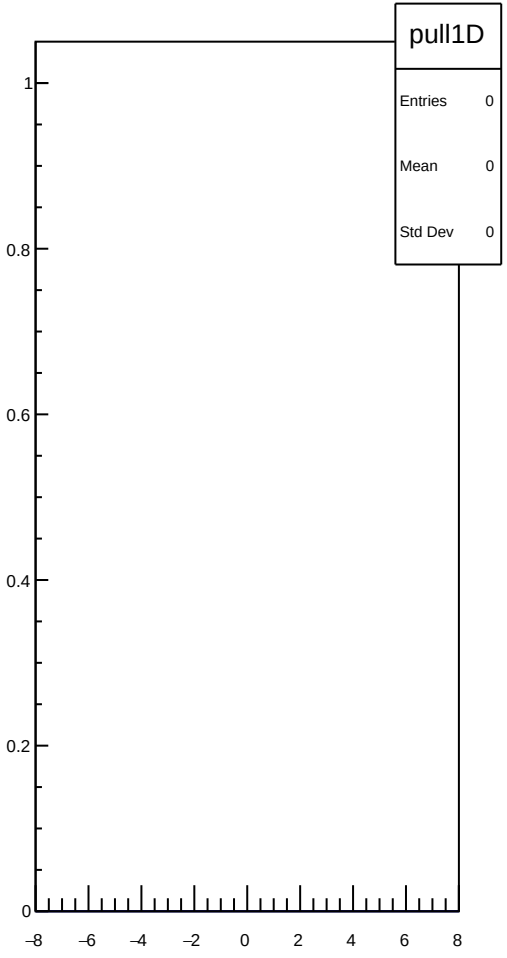

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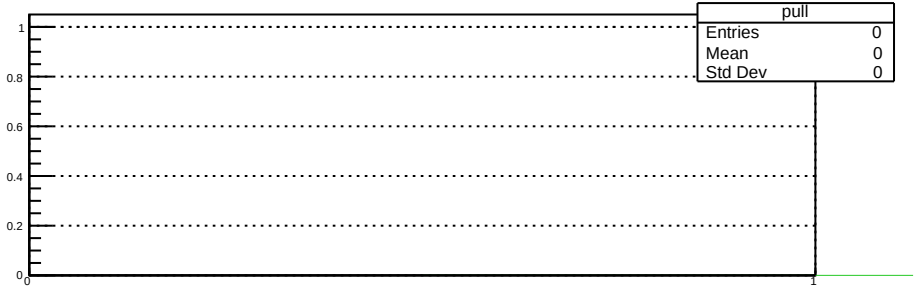

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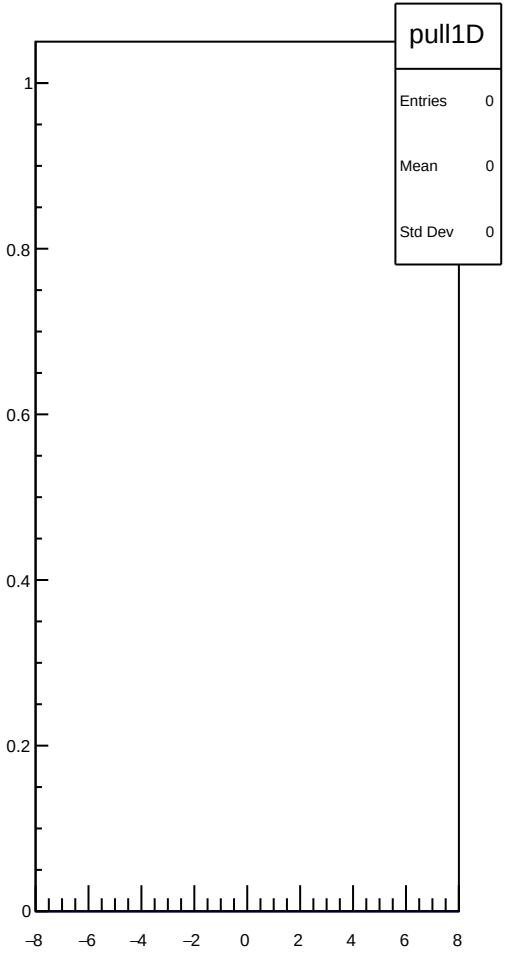

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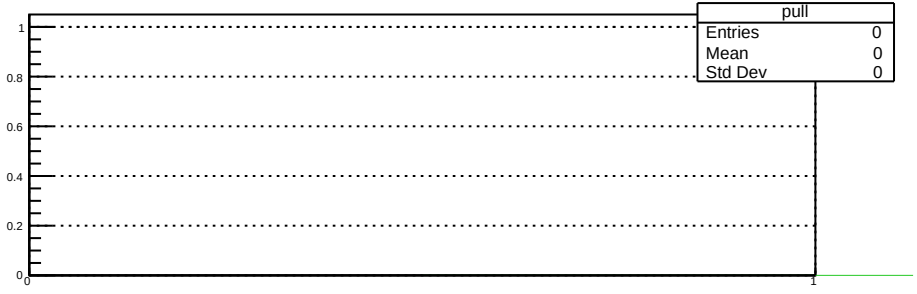

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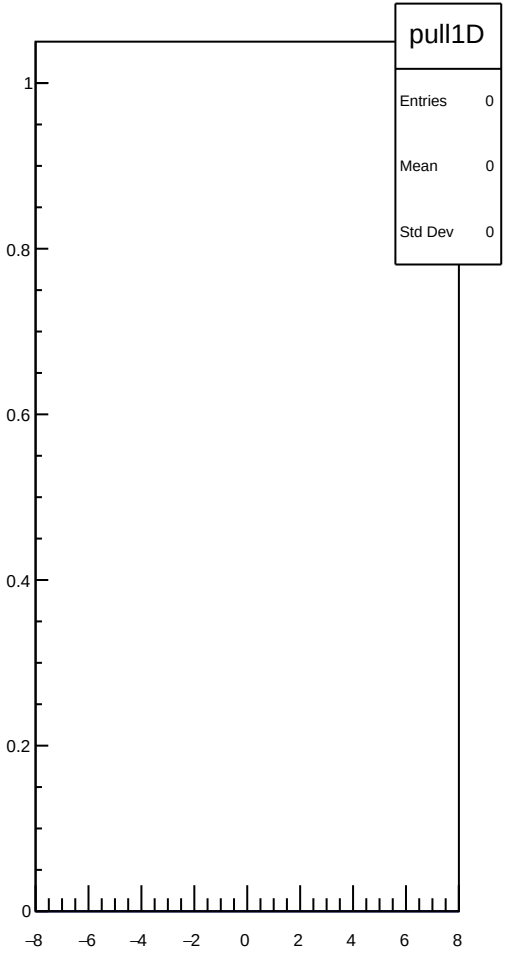

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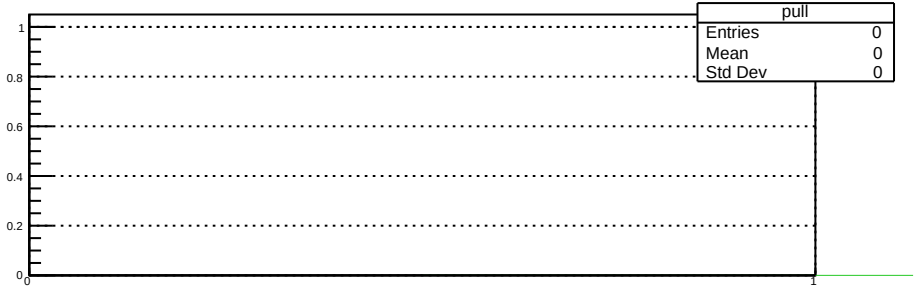

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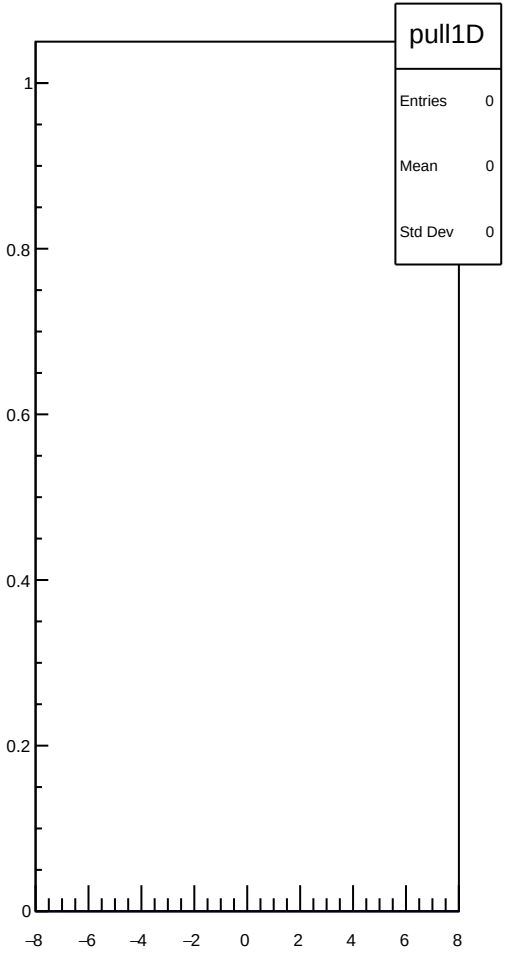

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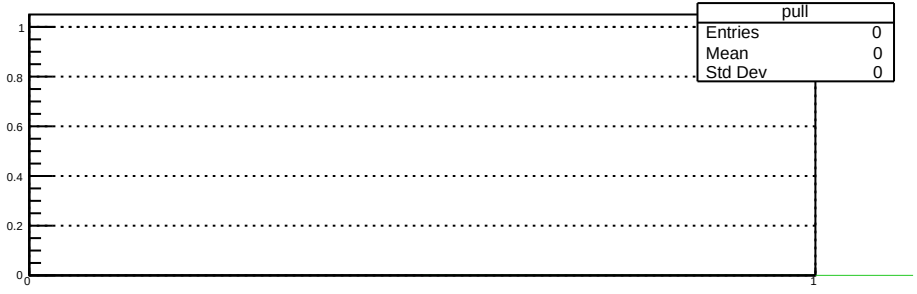

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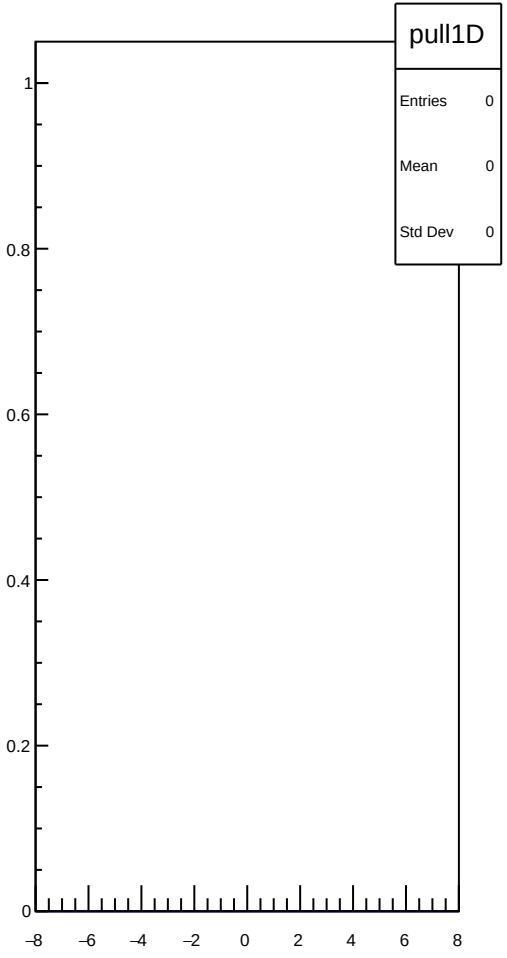

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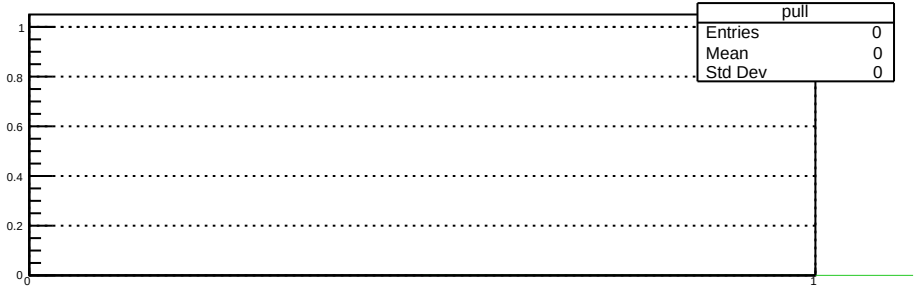

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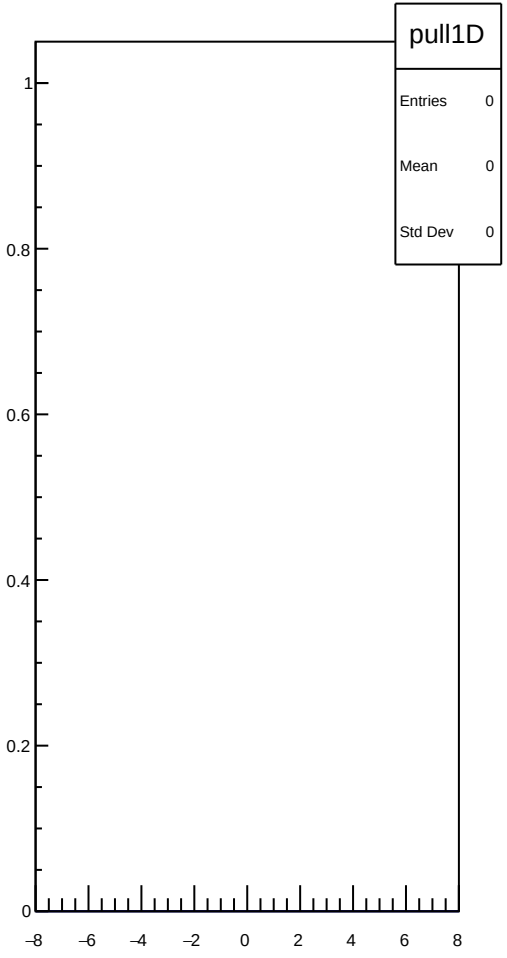

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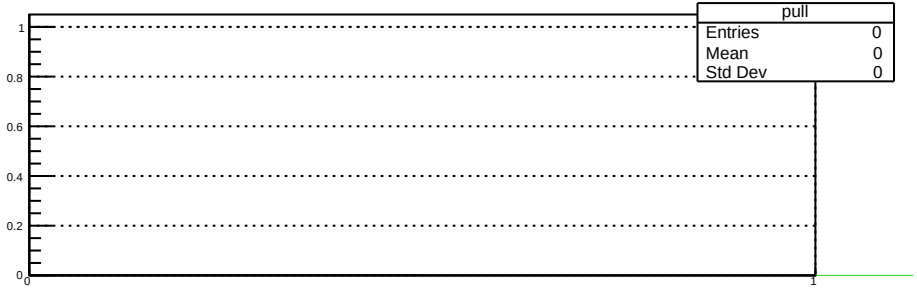

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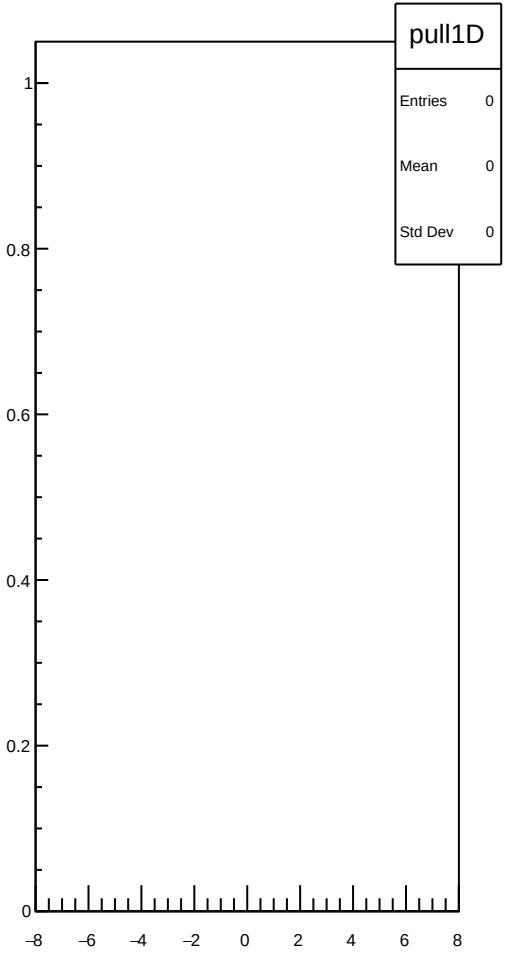

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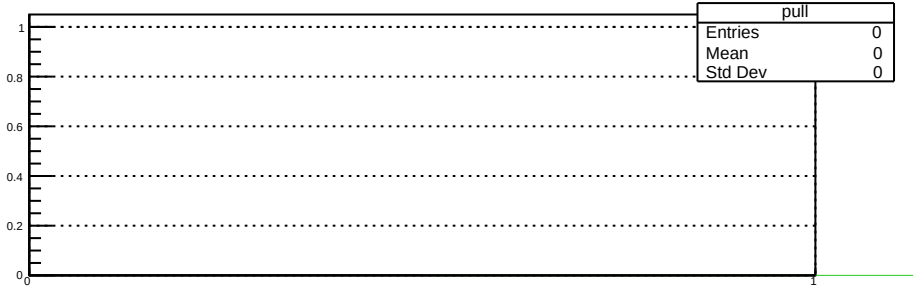

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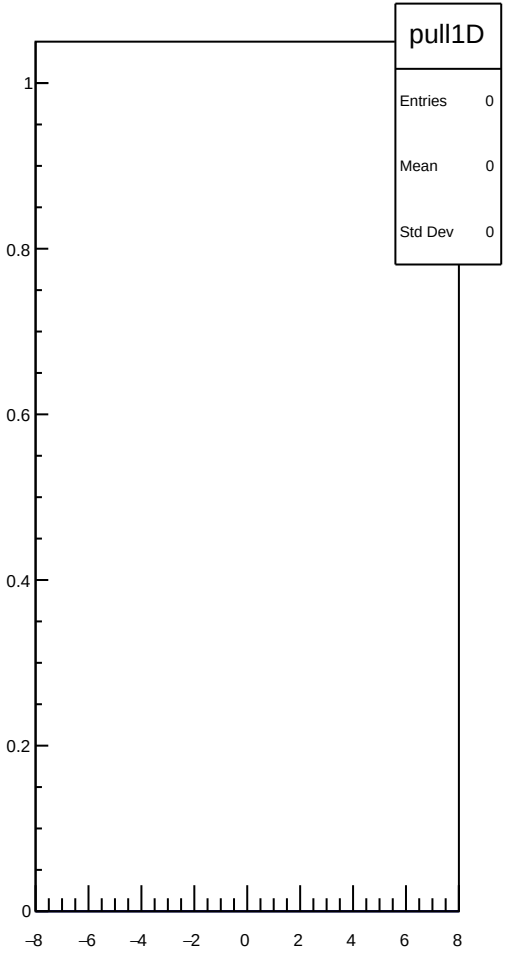

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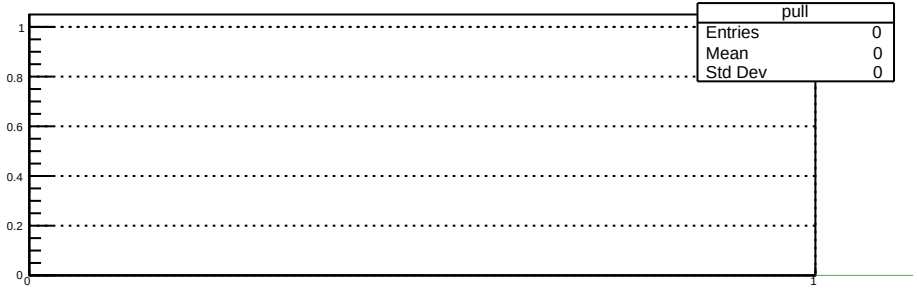

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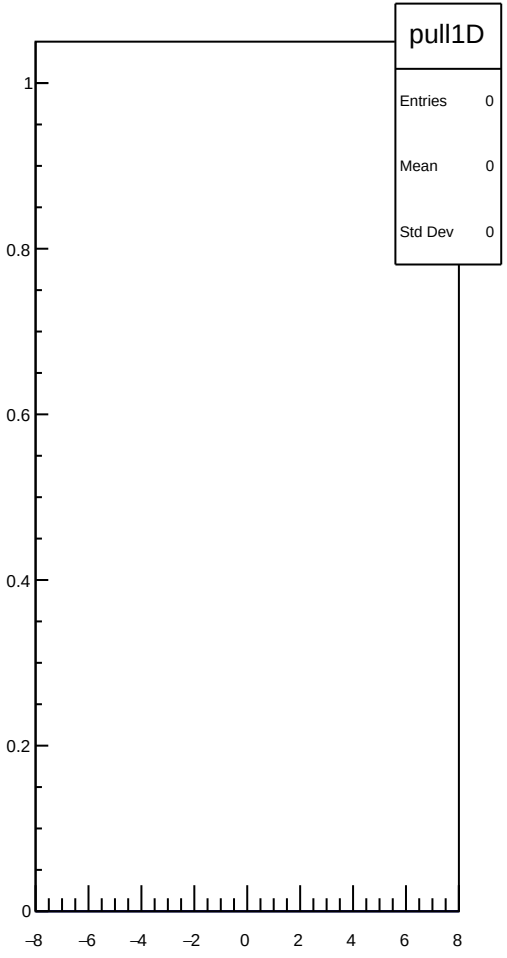

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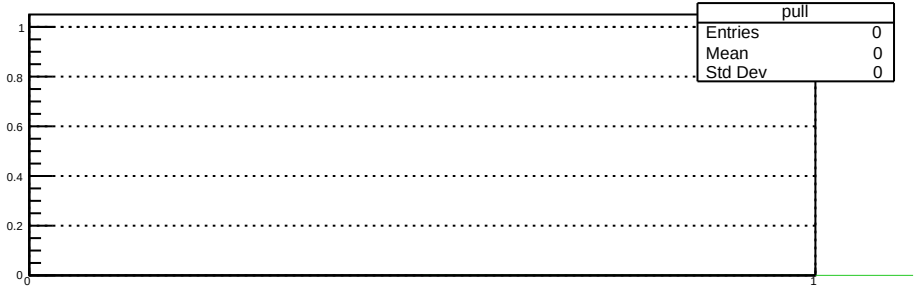

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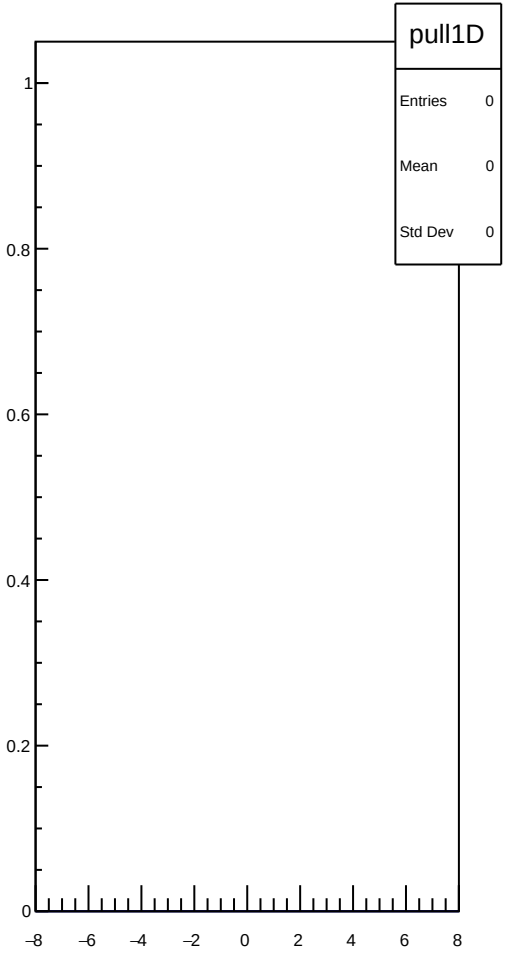

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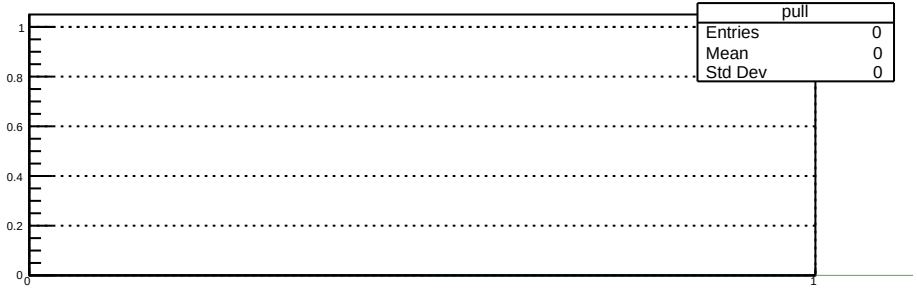

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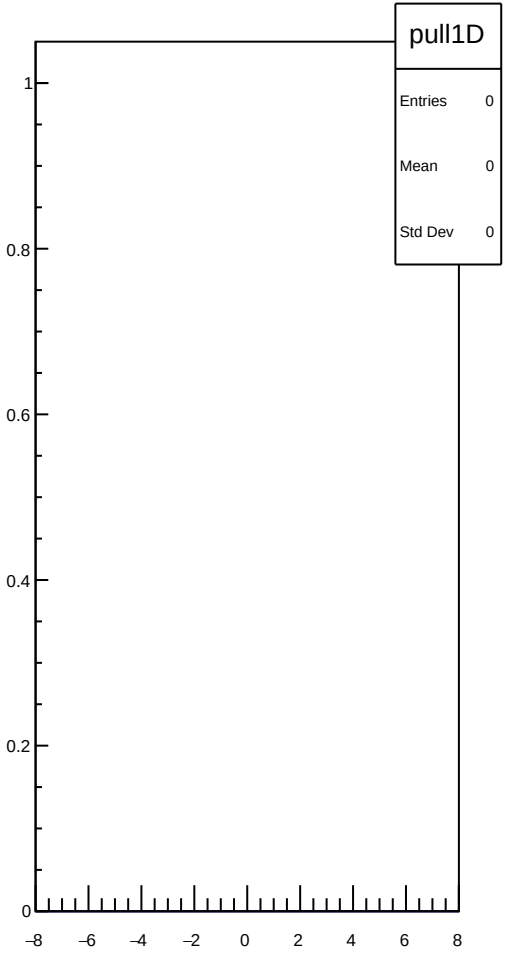

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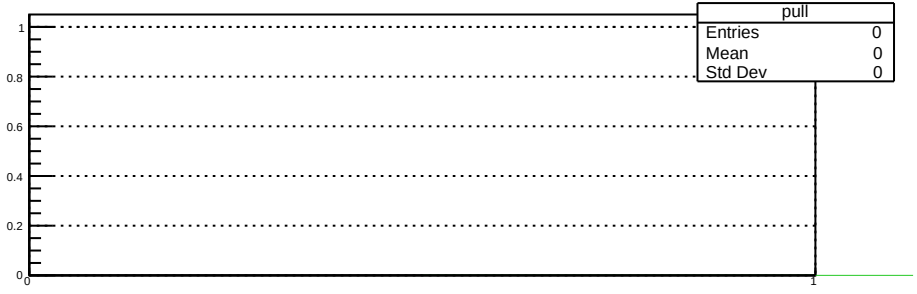

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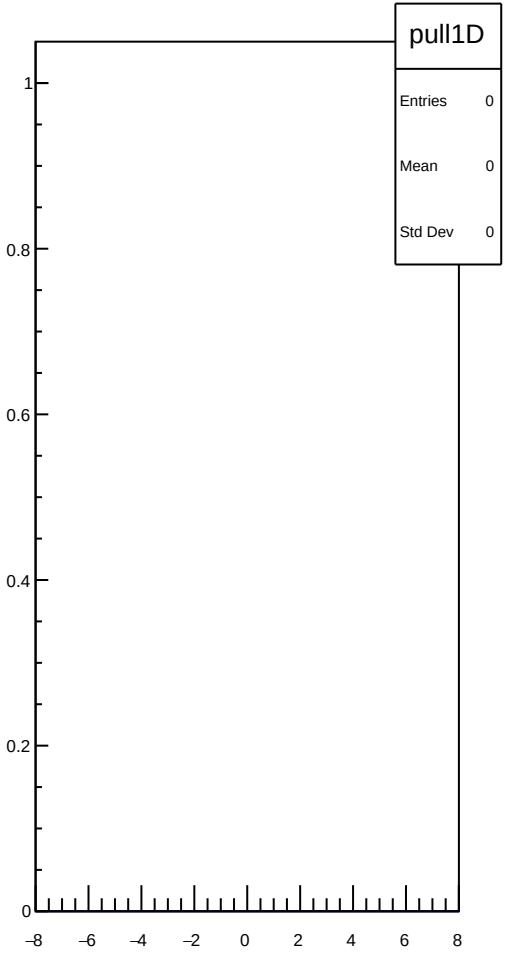

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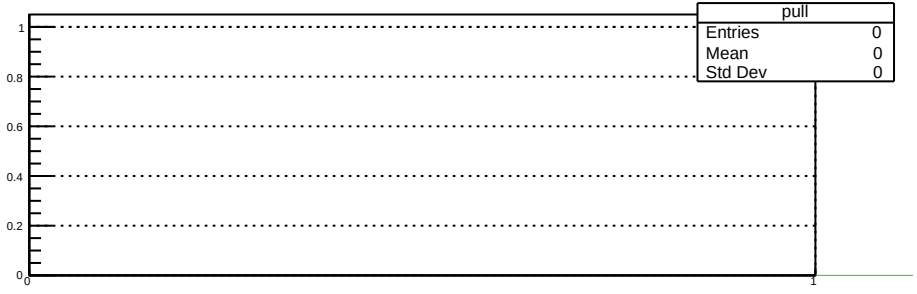

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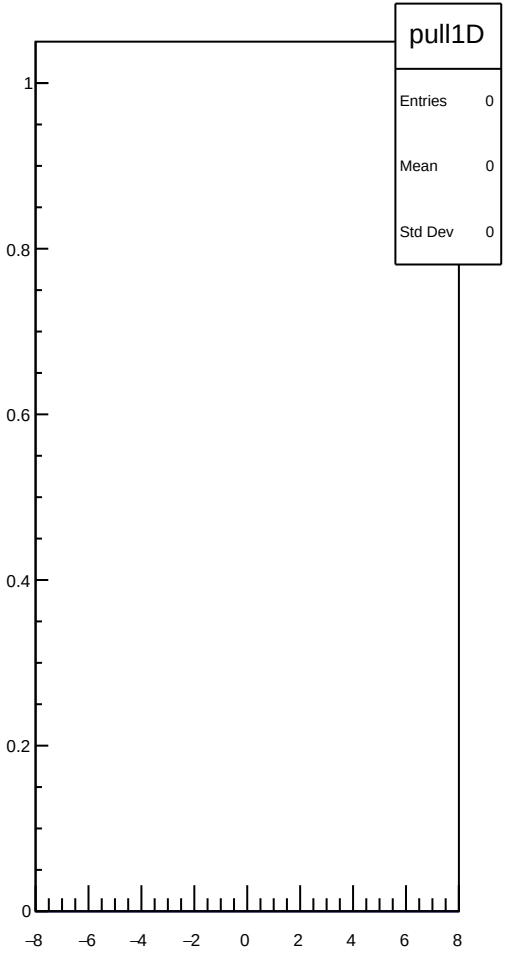

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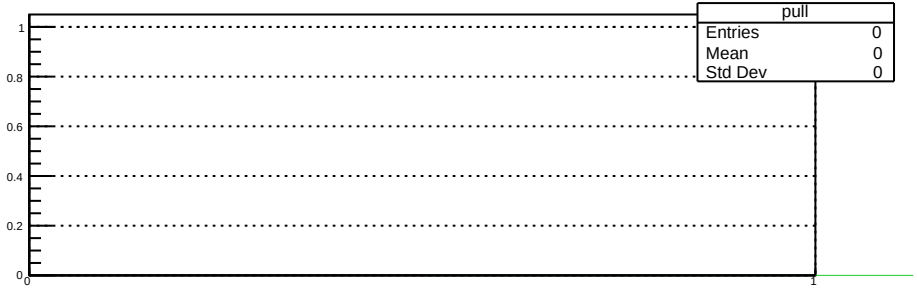

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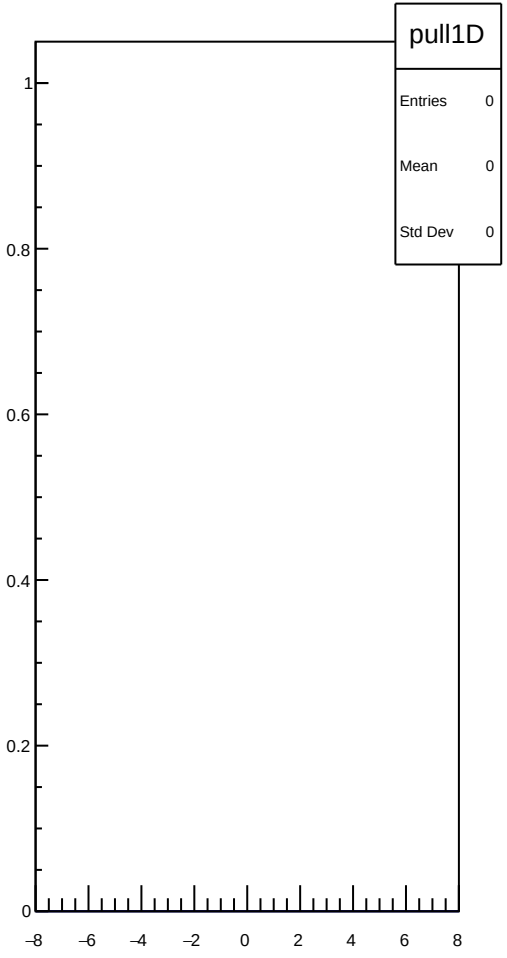

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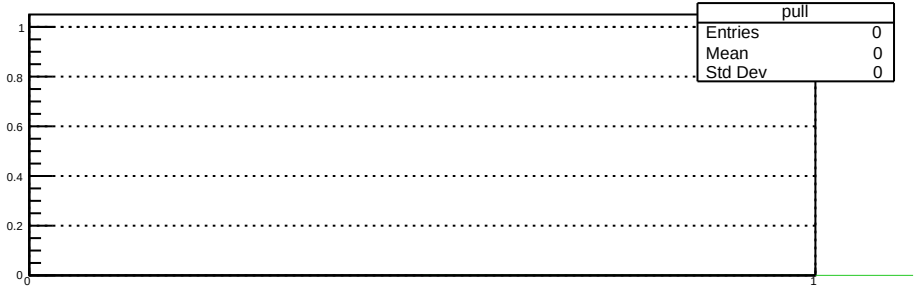

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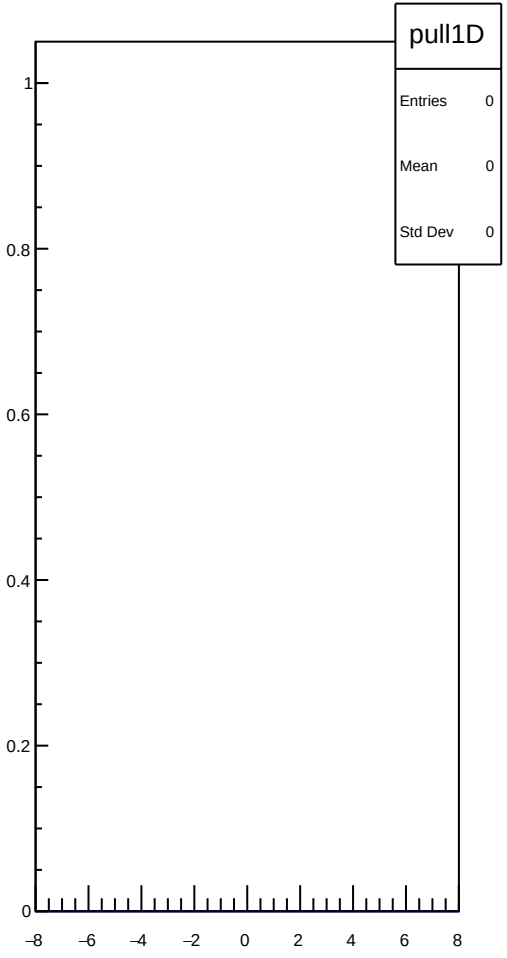

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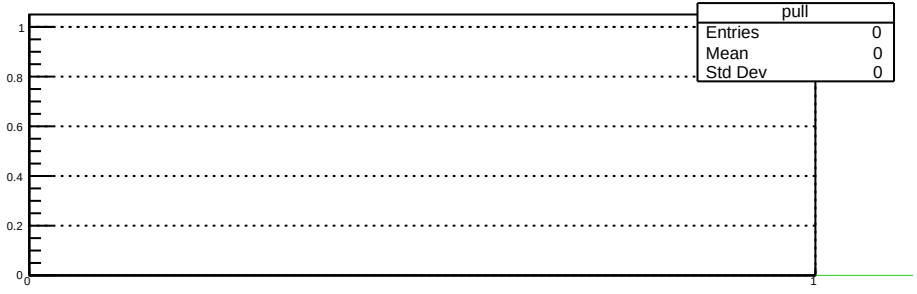

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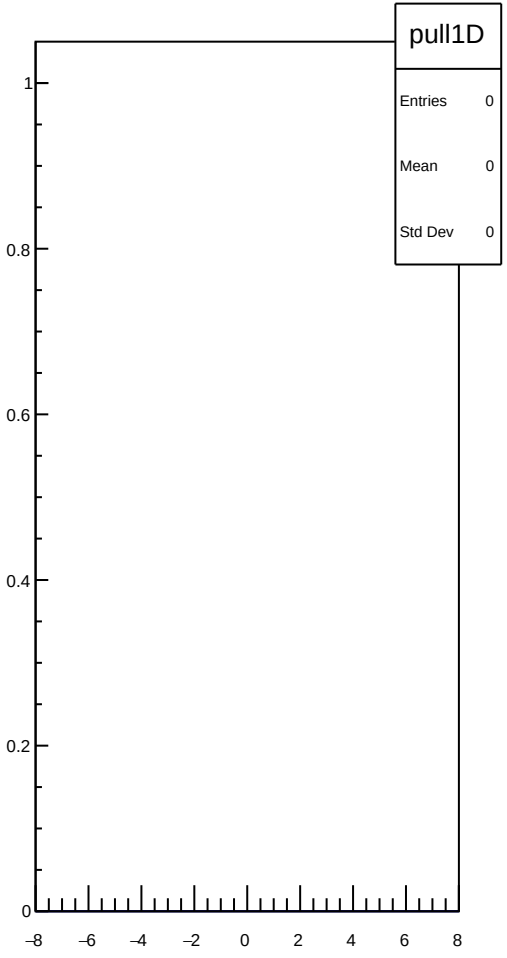

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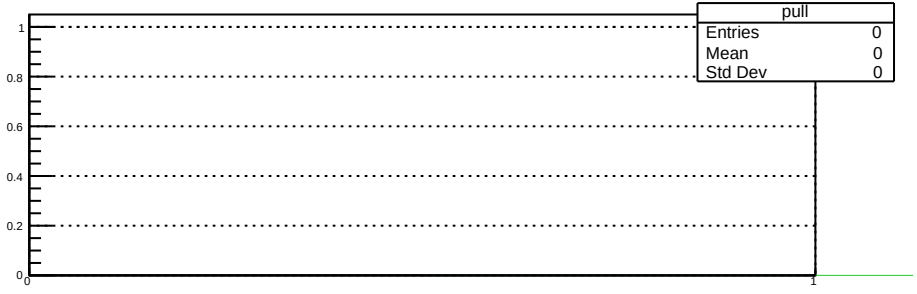

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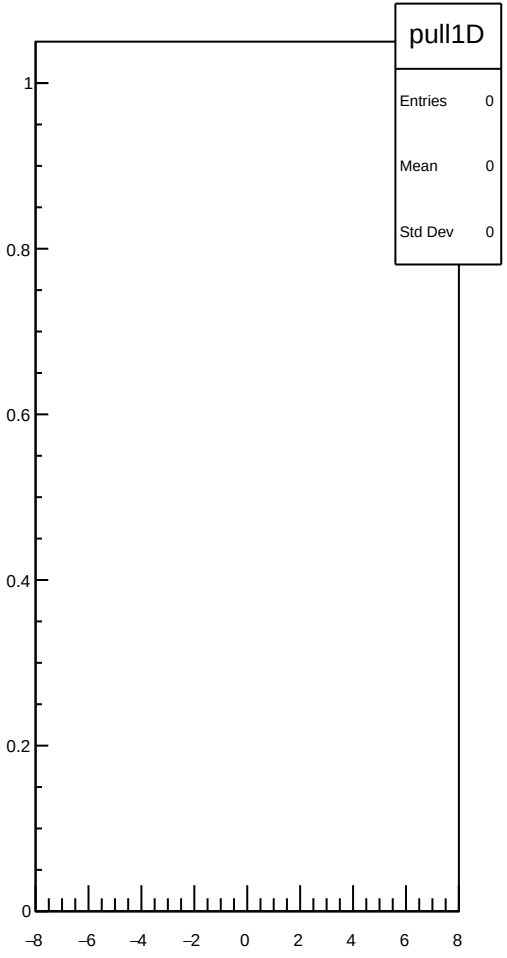

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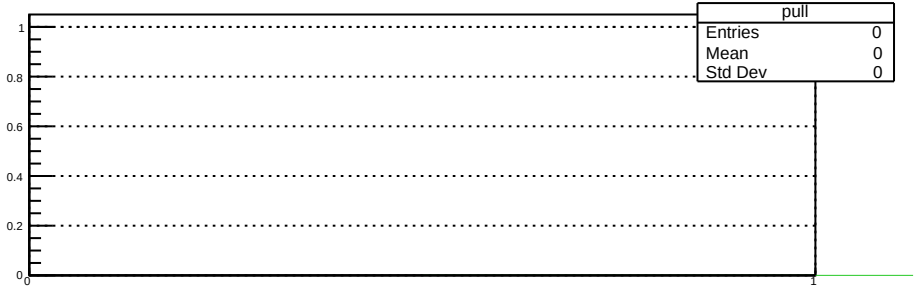

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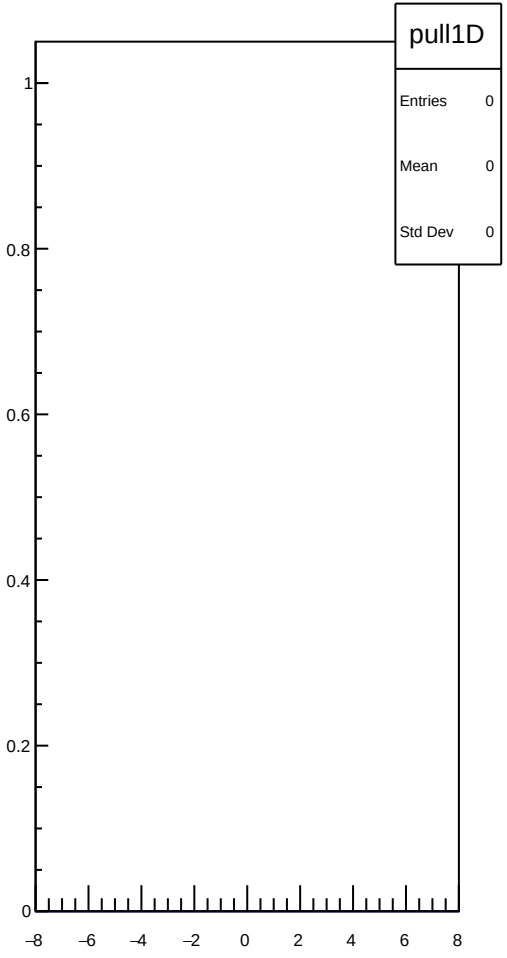

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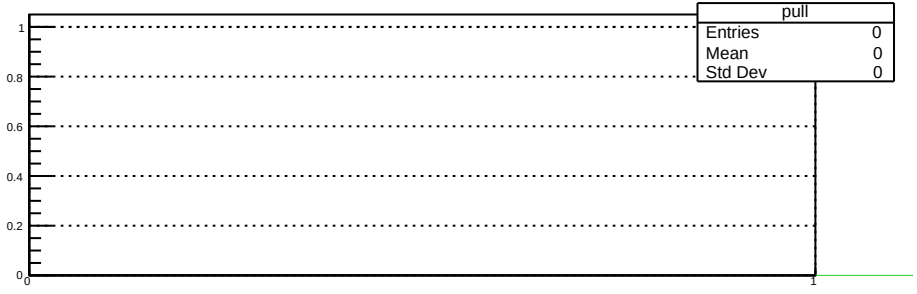

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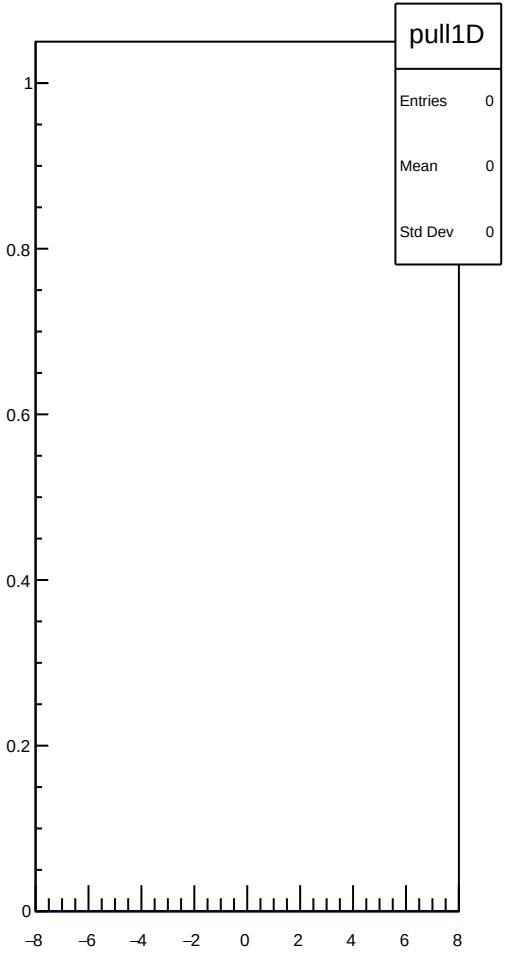

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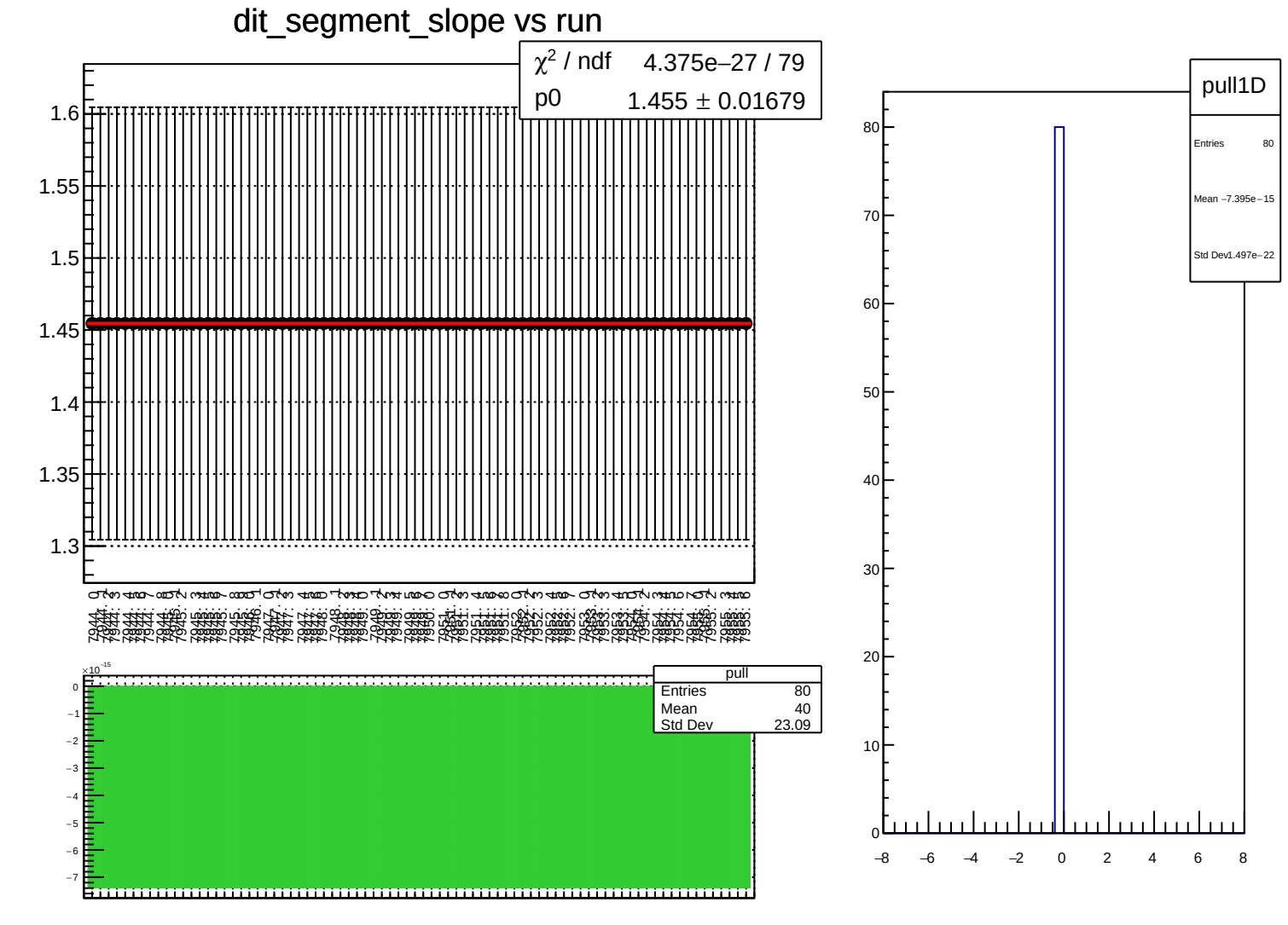

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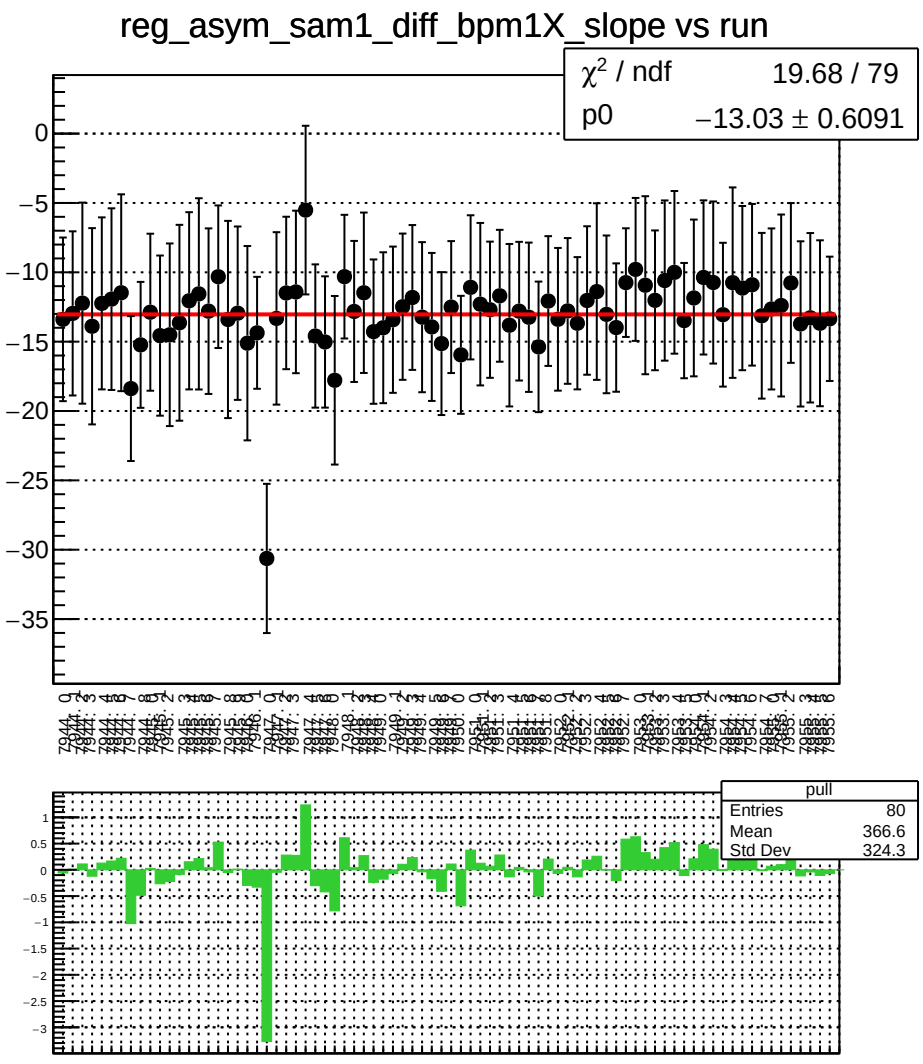

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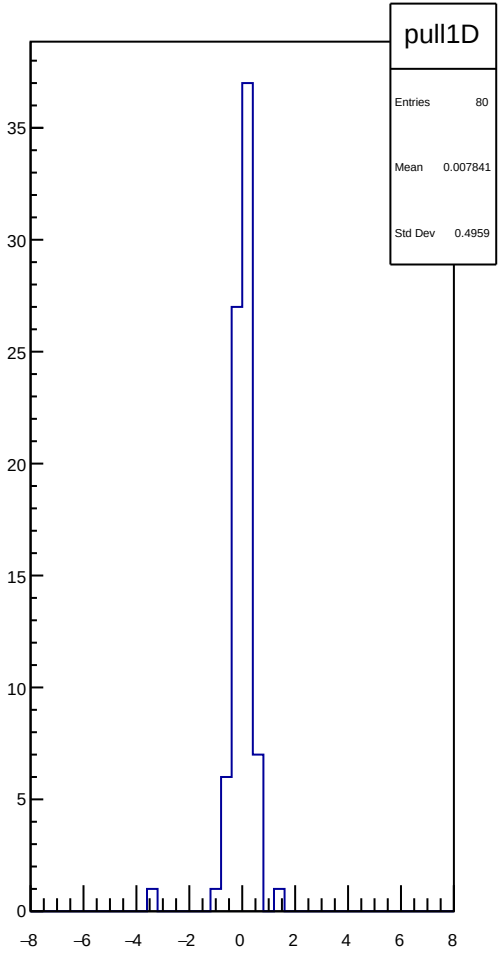

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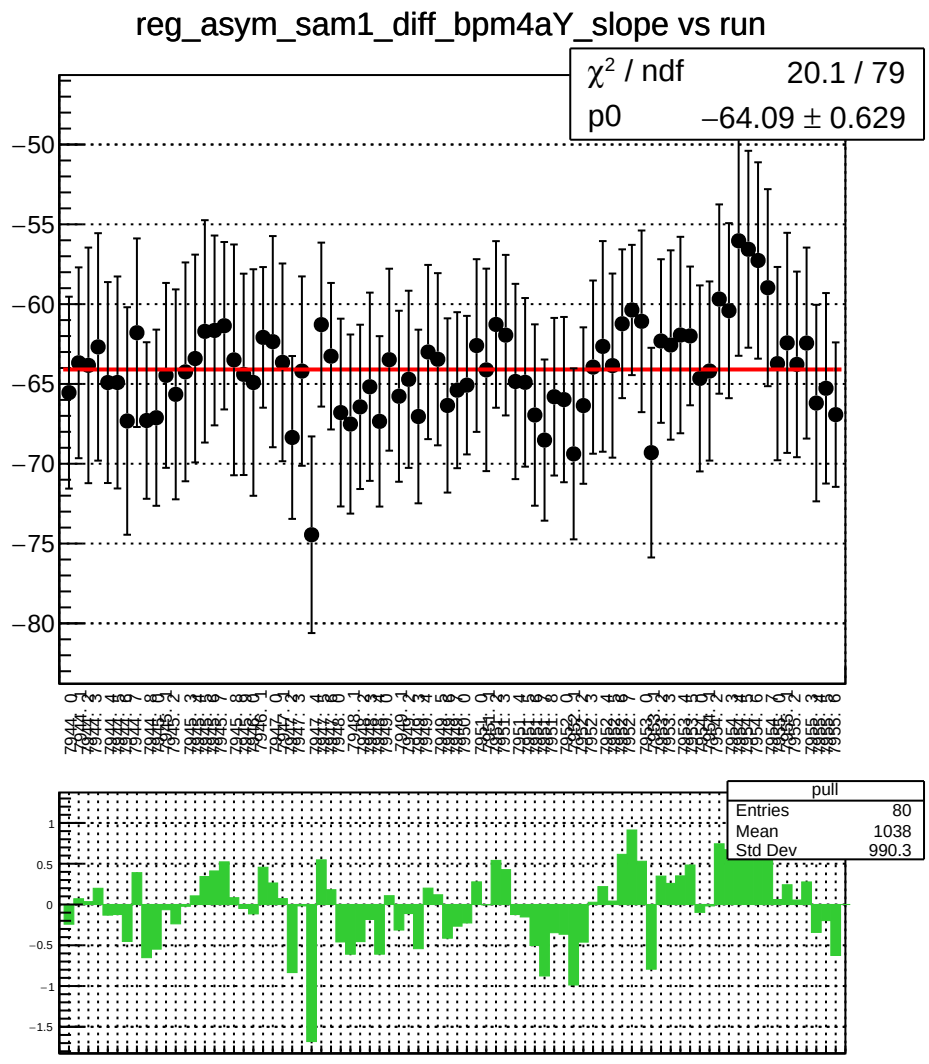

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

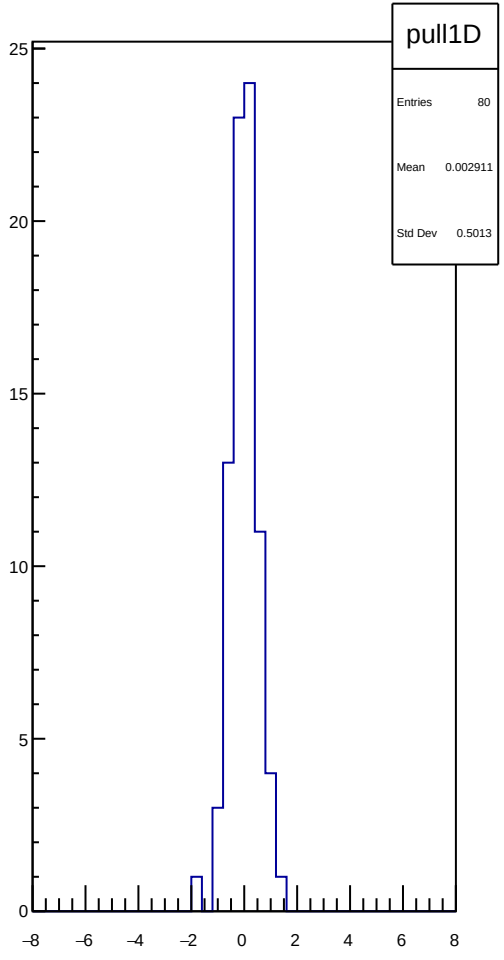

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

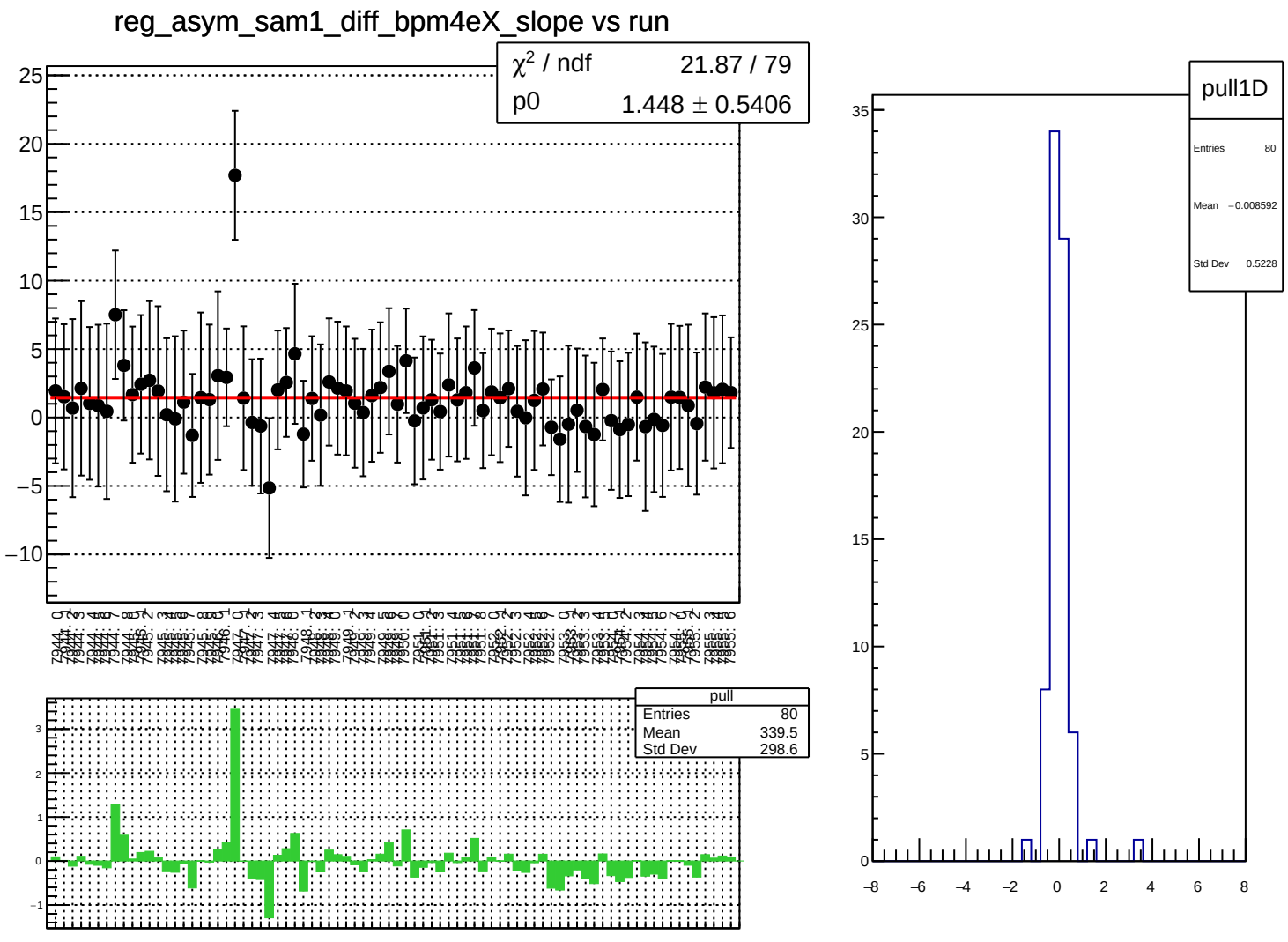

dit_segment_slope vs run
χ² / ndf 4.375e−27 / 79
p0 1.455 ± 0.01679
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −7.395e−15
Std Dev1.497e−22

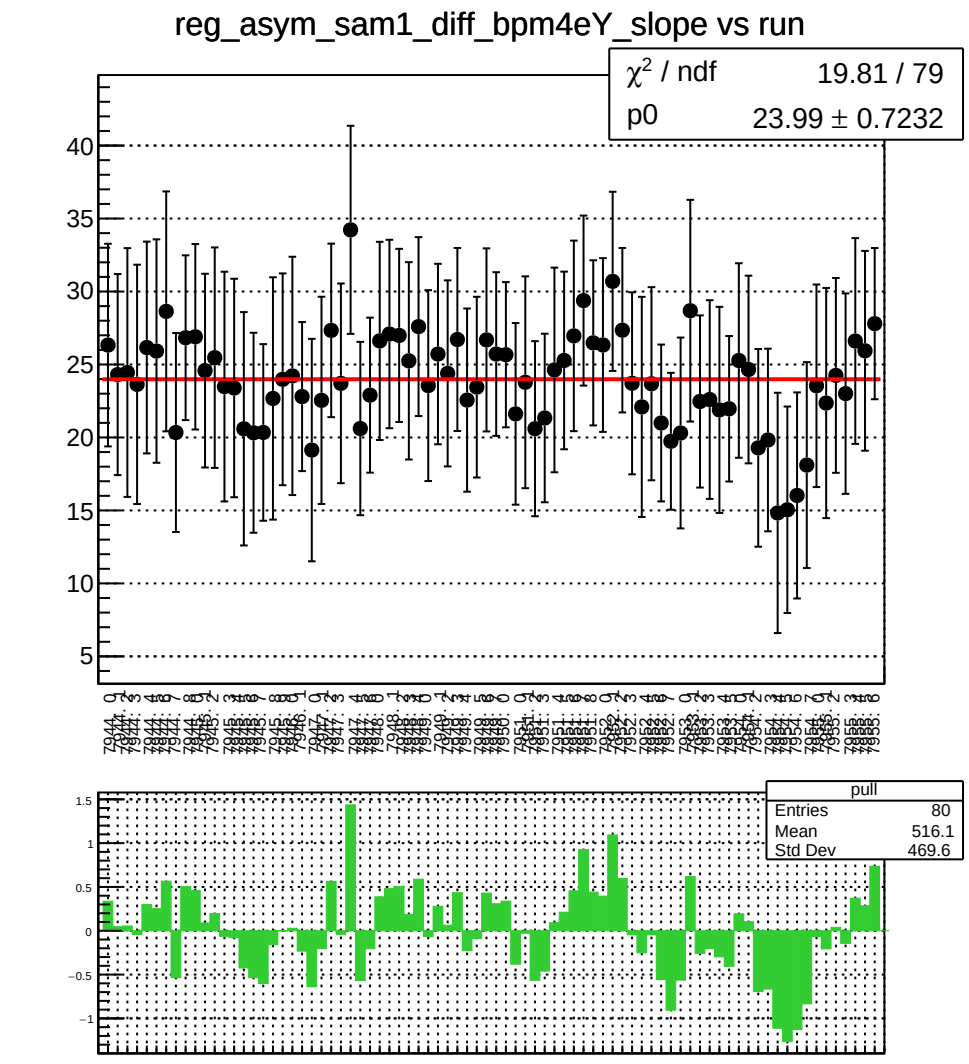

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 19.68 / 79
p0 −13.03 ± 0.6091
pull
Entries 80
Mean 366.6
Std Dev 324.3

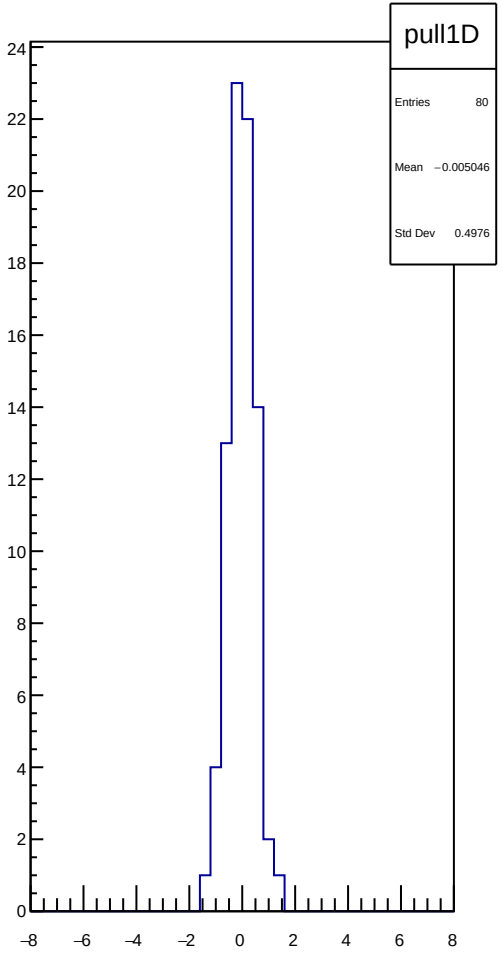

pull1D
Entries 80
Mean 0.007841
Std Dev 0.4959

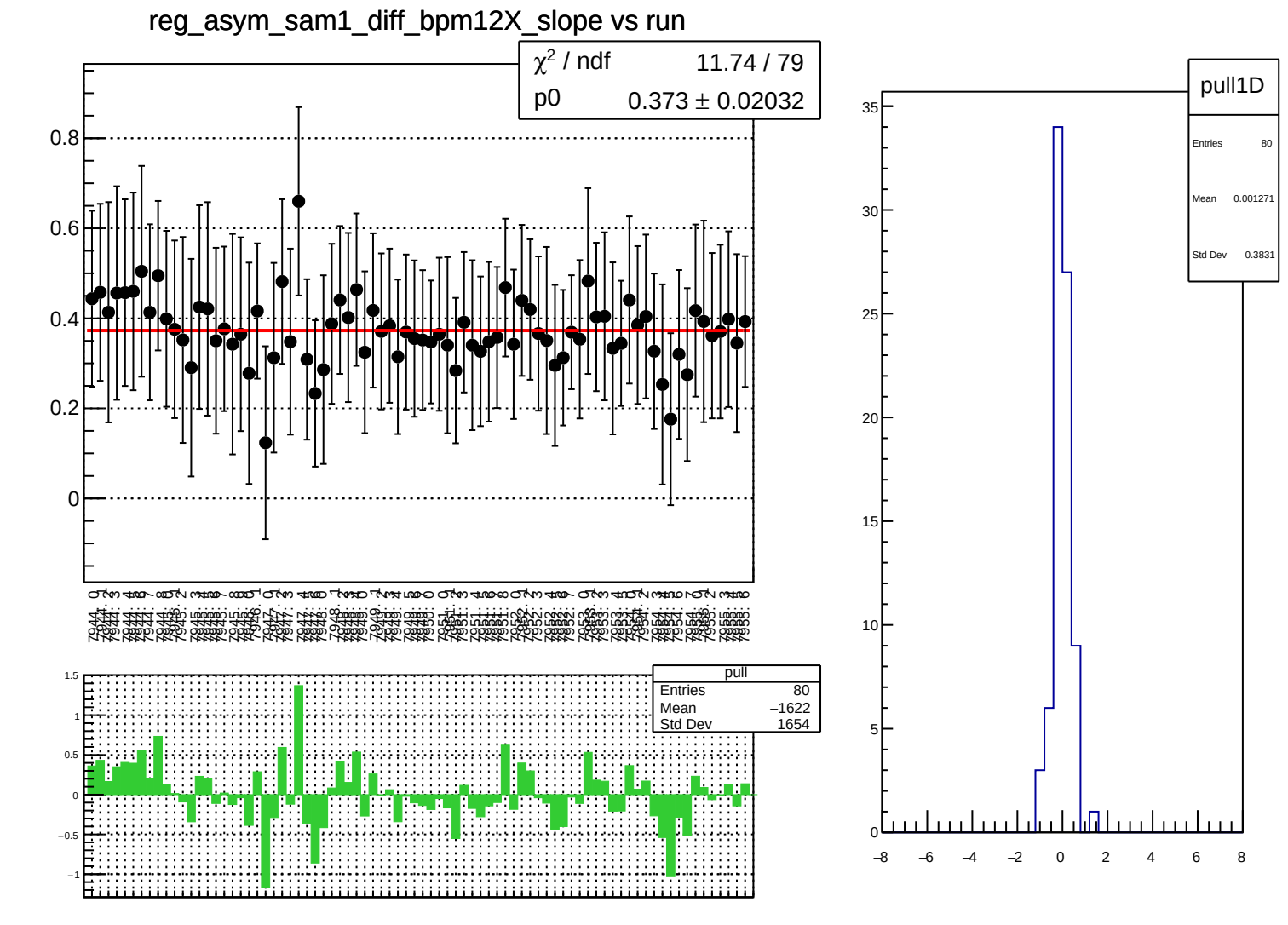

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 20.1 / 79
p0 −64.09 ± 0.629
pull
Entries 80
Mean 1038
Std Dev 990.3

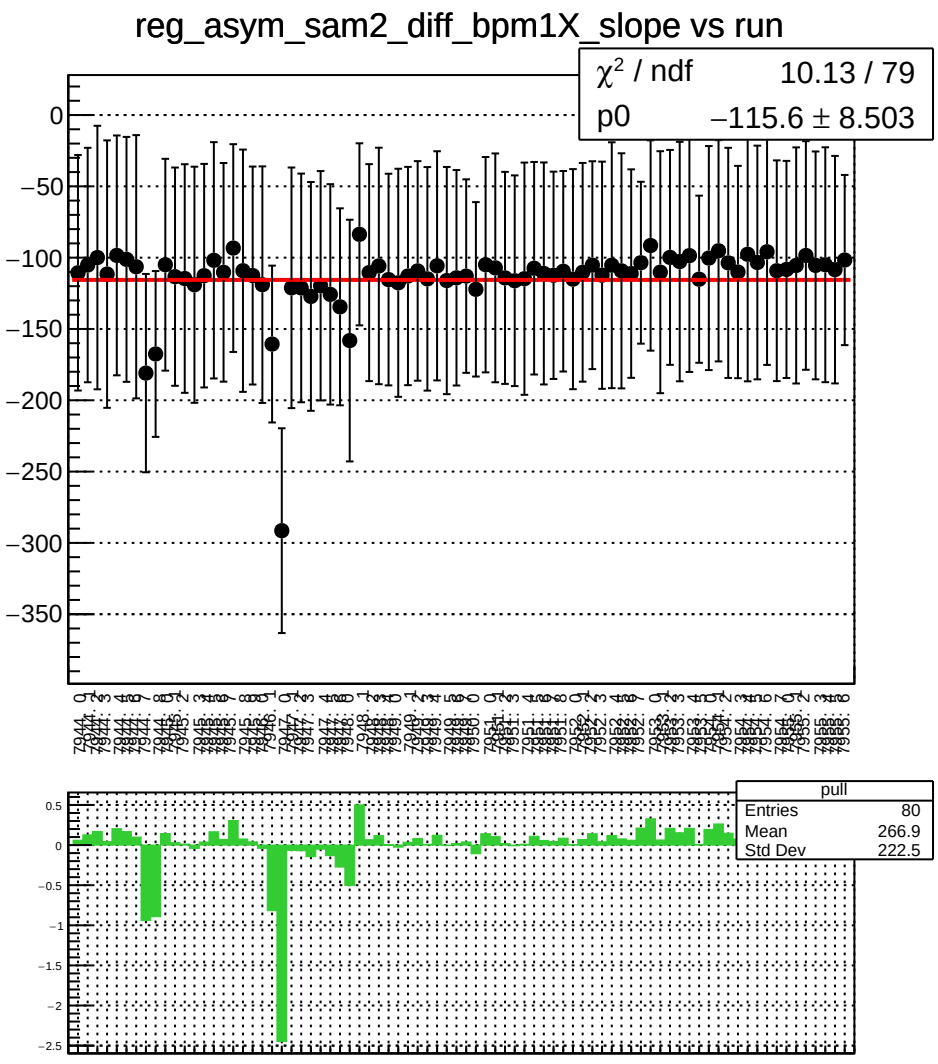

pull1D
Entries 80
Mean 0.002911
Std Dev 0.5013

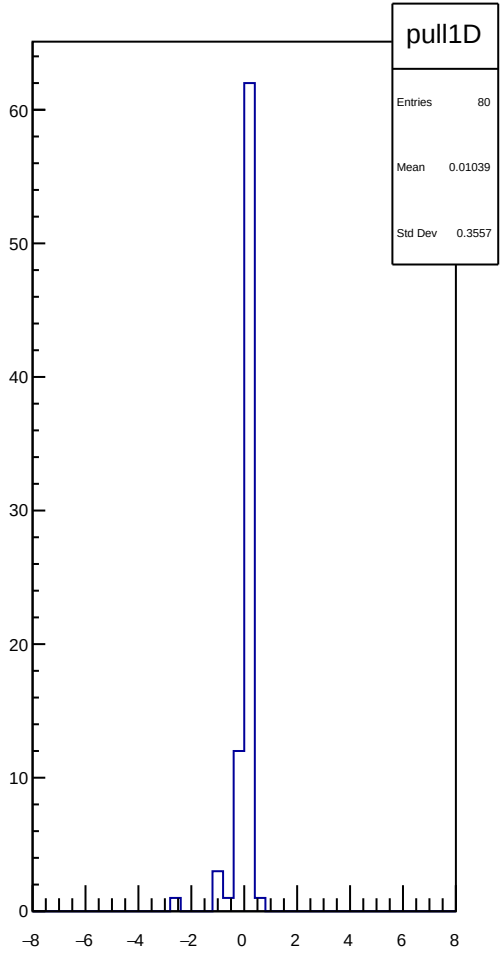

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 21.87 / 79
p0 1.448 ± 0.5406
pull
Entries 80
Mean 339.5
Std Dev 298.6
pull1D
Entries 80
Mean −0.008592
Std Dev 0.5228

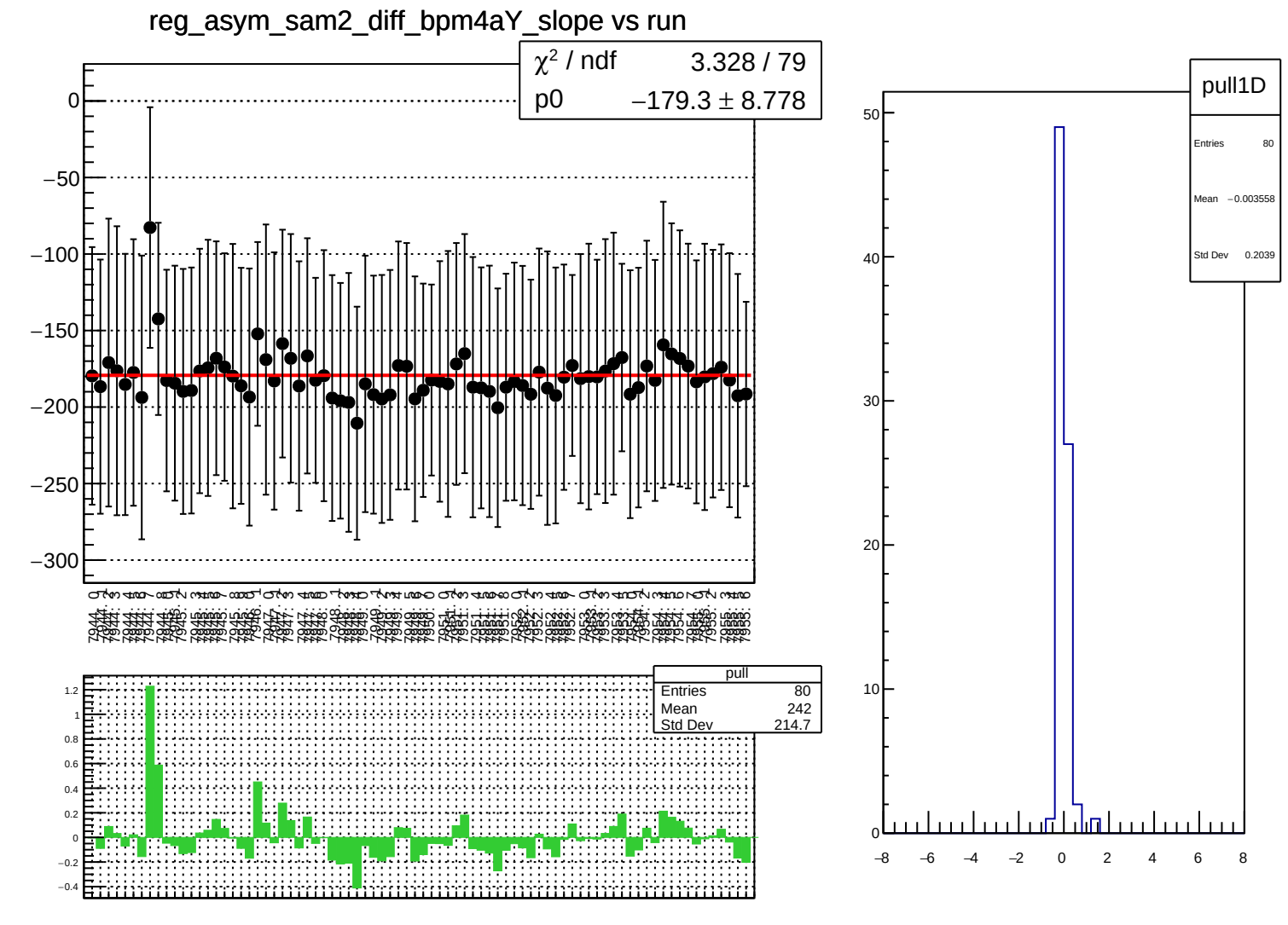

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 19.81 / 79
p0 23.99 ± 0.7232
pull
Entries 80
Mean 516.1
Std Dev 469.6

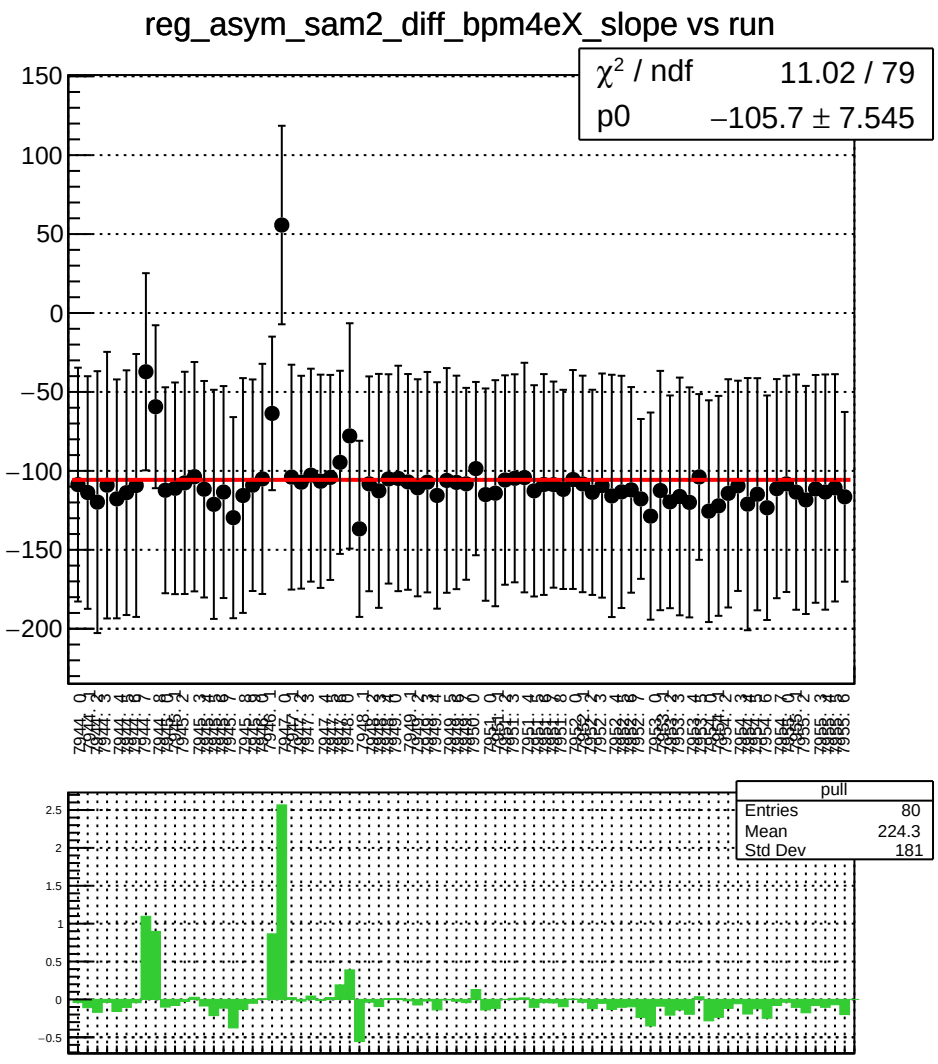

pull1D
Entries 80
Mean −0.005046
Std Dev 0.4976

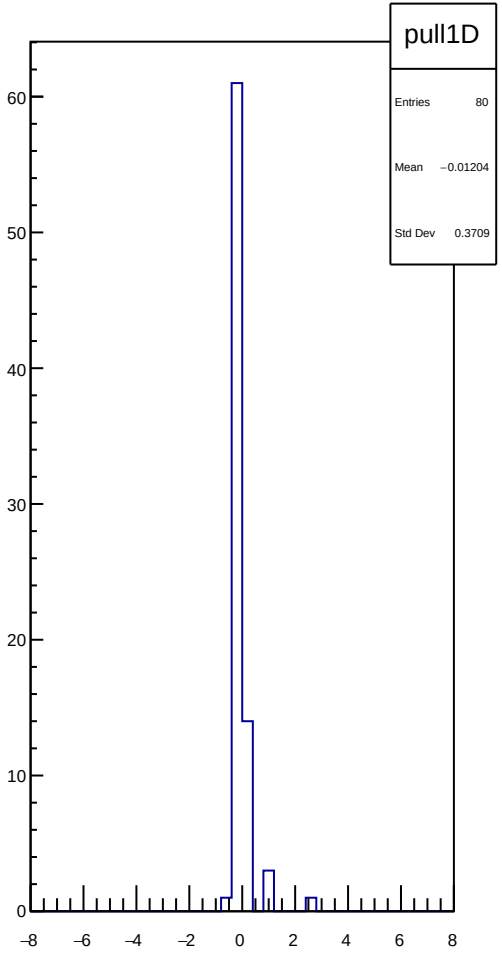

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 11.74 / 79
p0 0.373 ± 0.02032
pull
Entries 80
Mean −1622
Std Dev 1654
pull1D
Entries 80
Mean 0.001271
Std Dev 0.3831

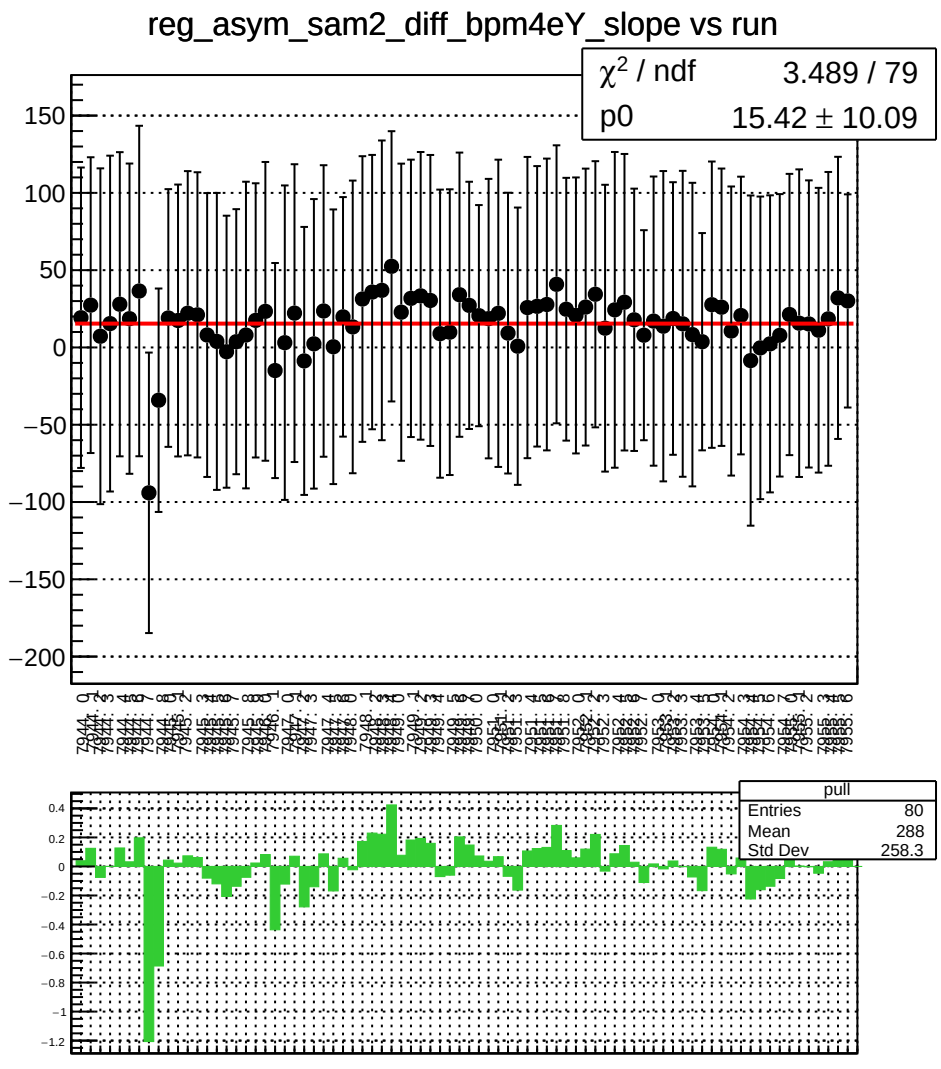

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 10.13 / 79
p0 −115.6 ± 8.503
pull
Entries 80
Mean 266.9
Std Dev 222.5

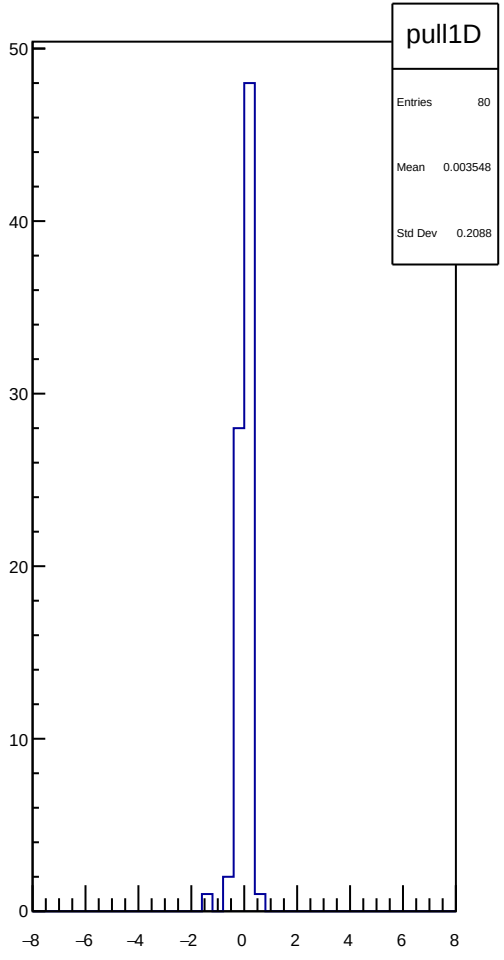

pull1D
Entries 80
Mean 0.01039
Std Dev 0.3557

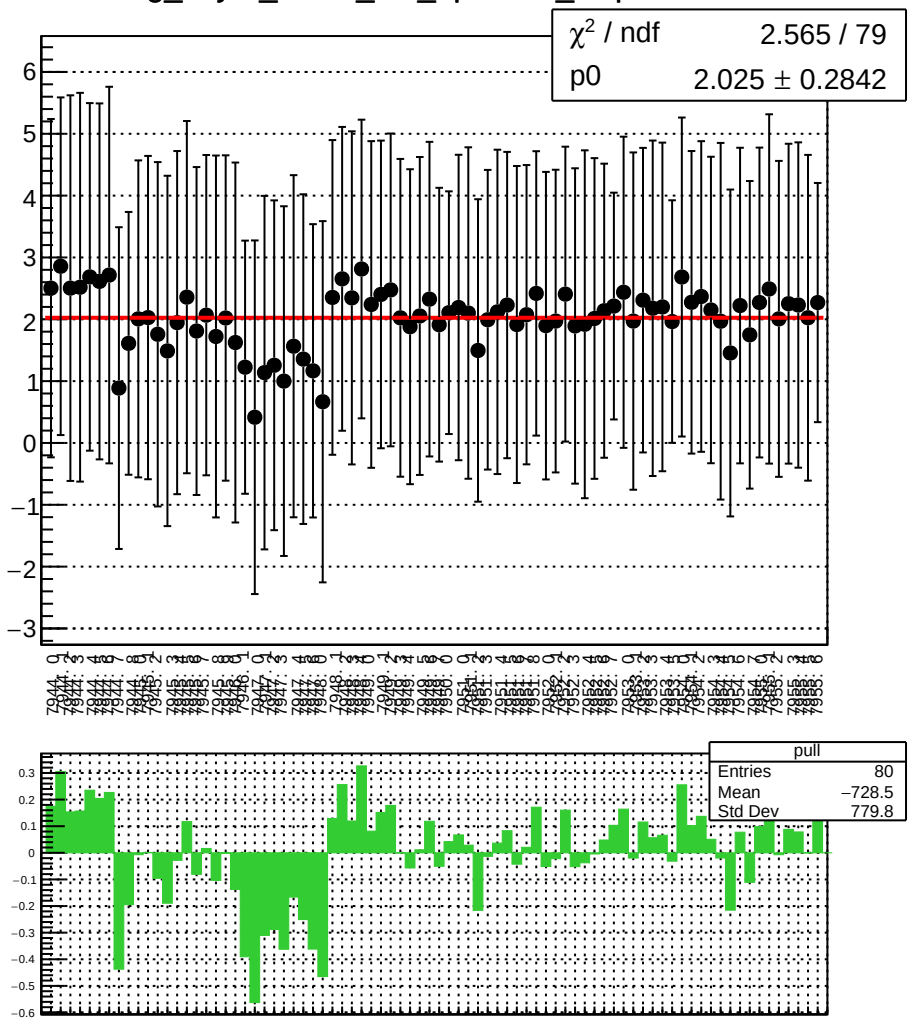

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 3.328 / 79
p0 −179.3 ± 8.778
pull
Entries 80
Mean 242
Std Dev 214.7
pull1D
Entries 80
Mean −0.003558
Std Dev 0.2039

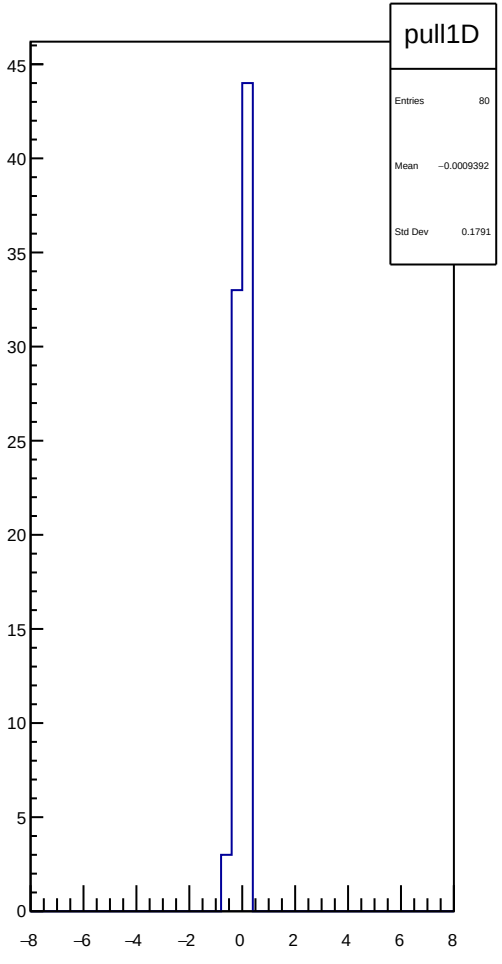

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 11.02 / 79
p0 −105.7 ± 7.545
pull
Entries 80
Mean 224.3
Std Dev 181

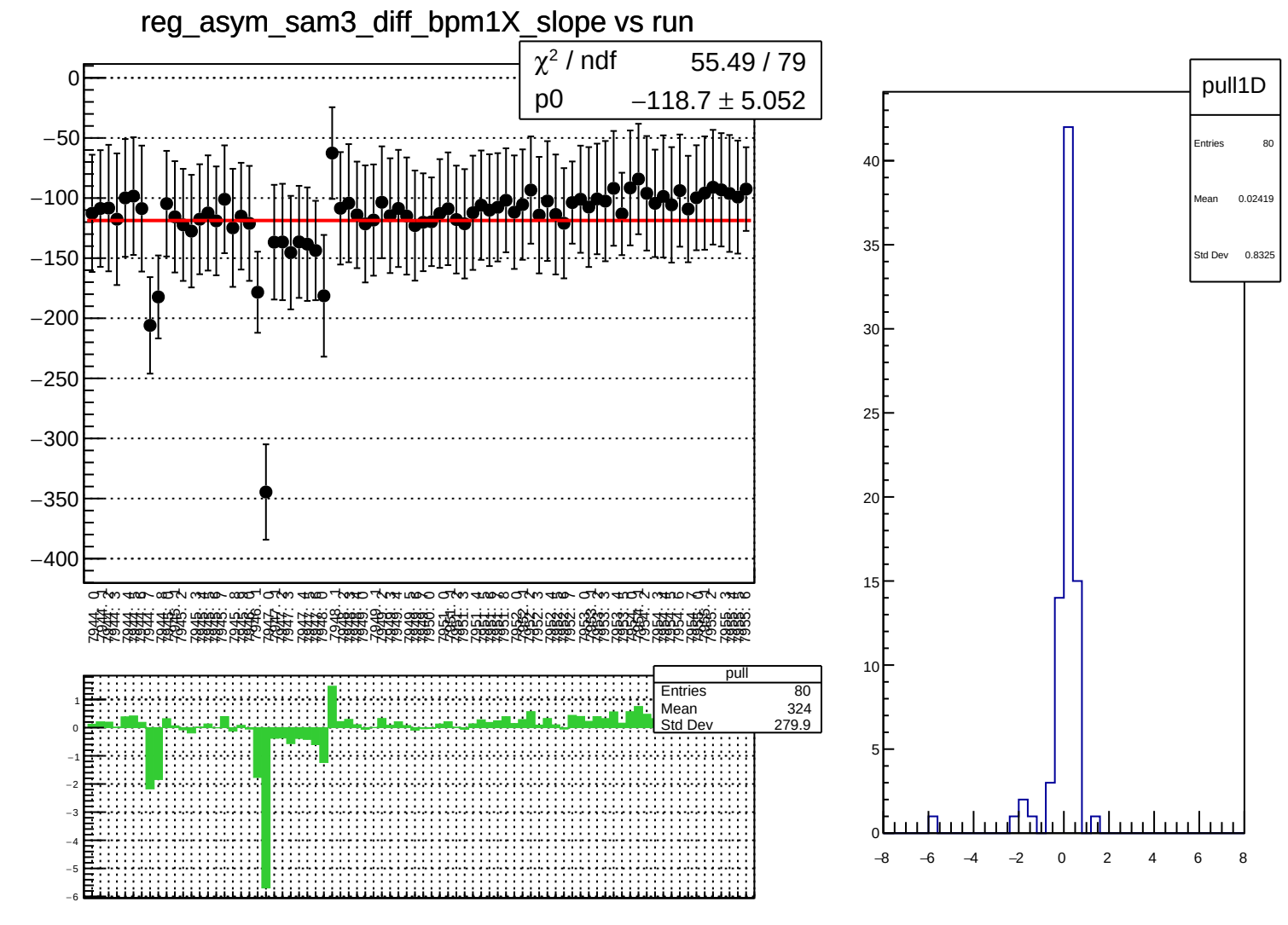

pull1D
Entries 80
Mean −0.01204
Std Dev 0.3709

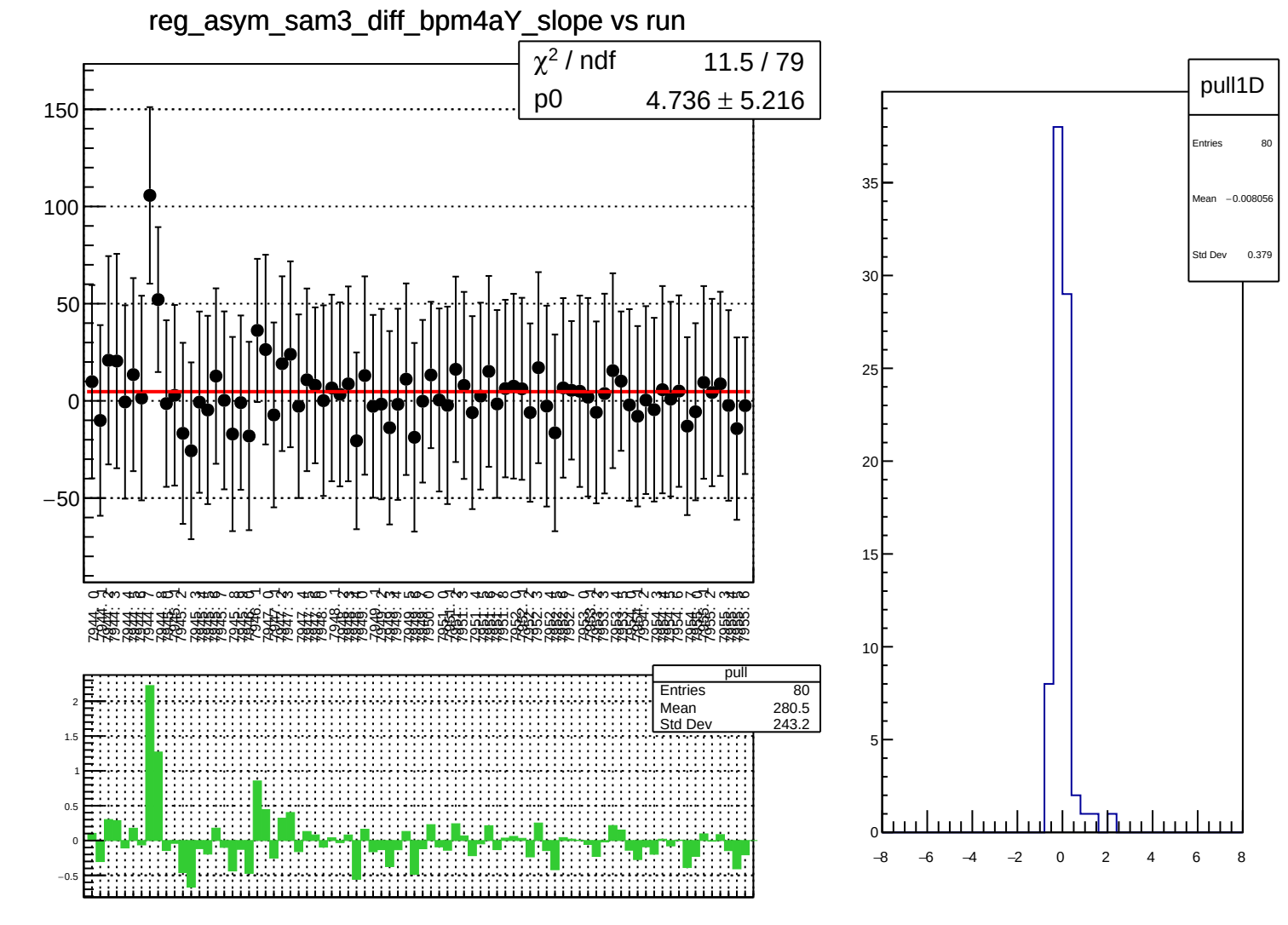

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 3.489 / 79
p0 15.42 ± 10.09
pull
Entries 80
Mean 288
Std Dev 258.3

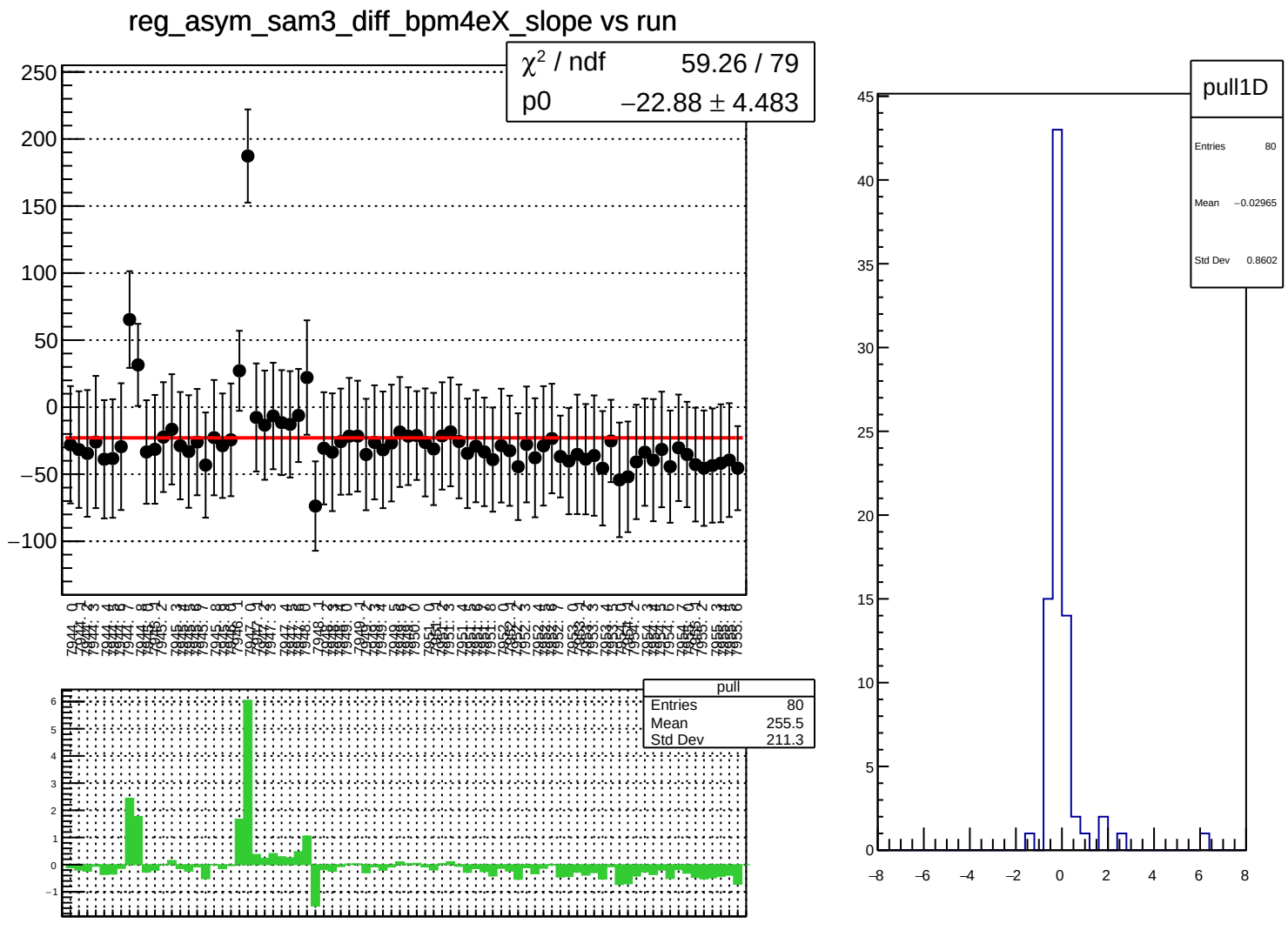

pull1D
Entries 80
Mean 0.003548
Std Dev 0.2088

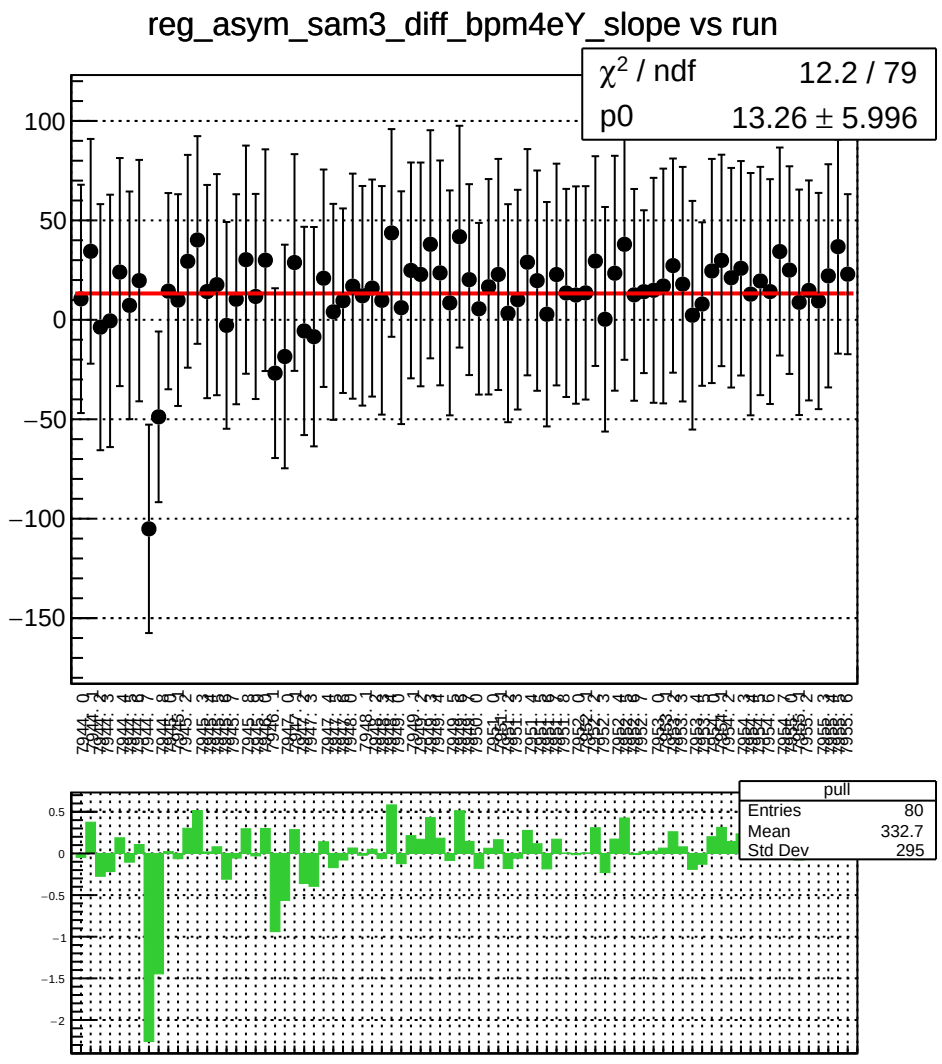

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.565 / 79
p0 2.025 ± 0.2842
pull
Entries 80
Mean −728.5
Std Dev 779.8

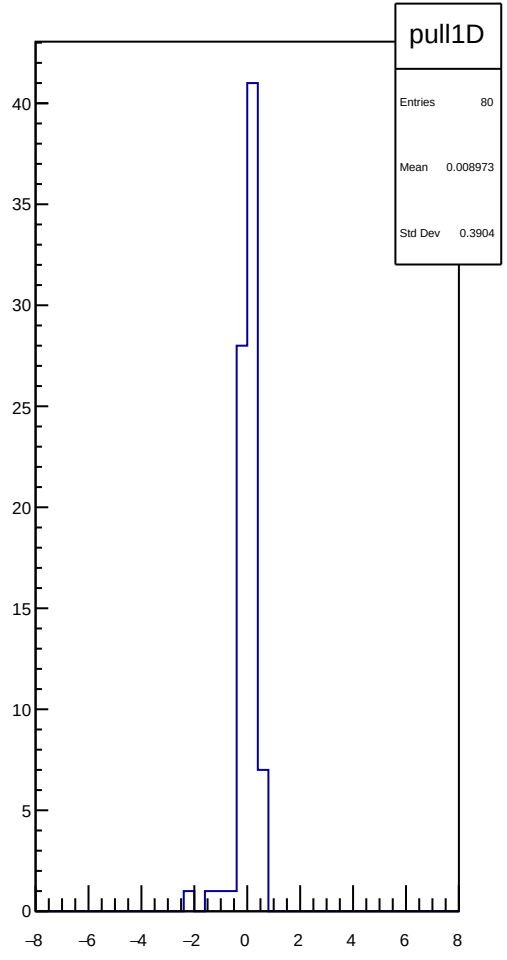

pull1D
Entries 80
Mean −0.0009392
Std Dev 0.1791

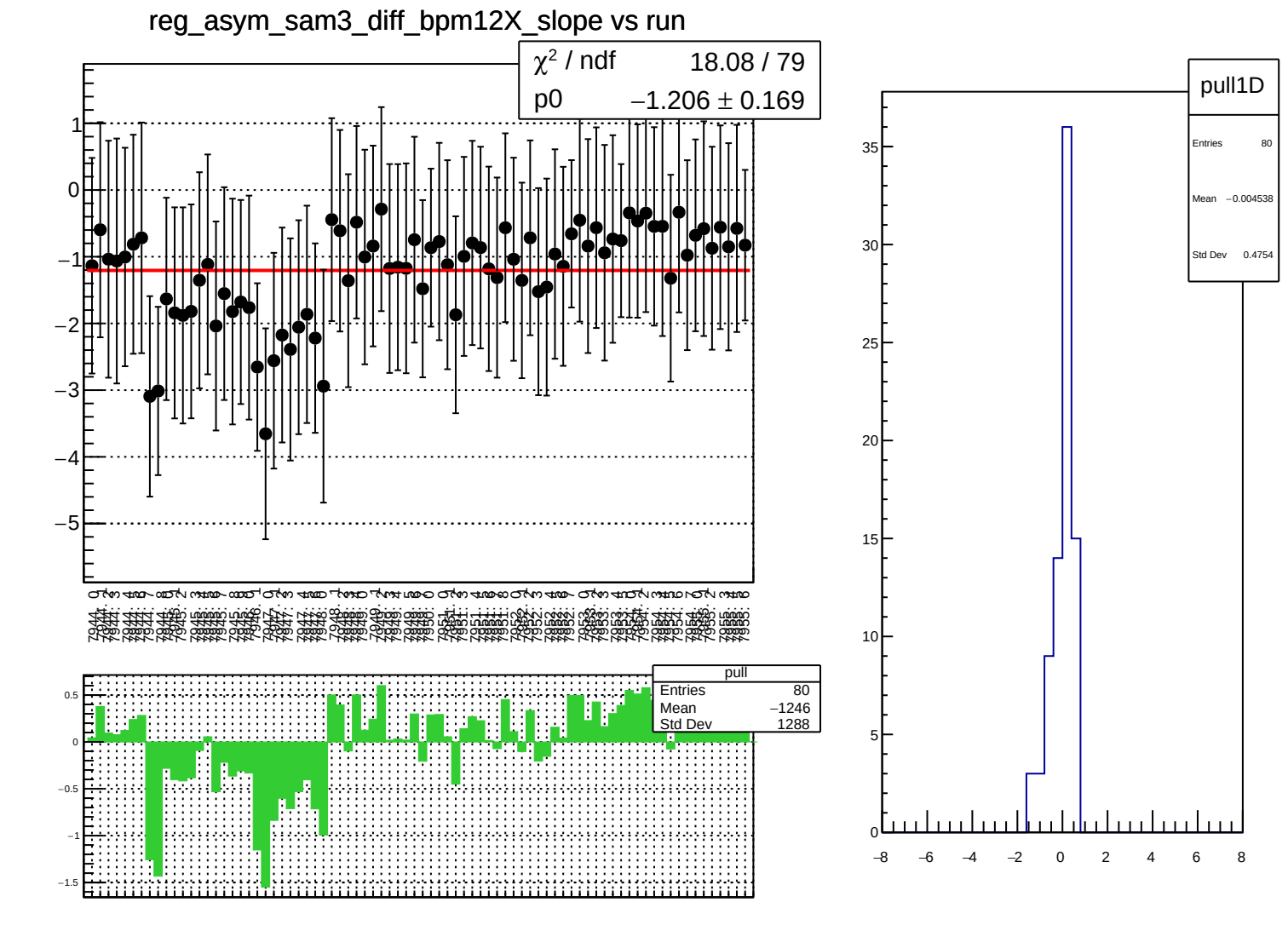

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 55.49 / 79
p0 −118.7 ± 5.052
pull
Entries 80
Mean 324
Std Dev 279.9
pull1D
Entries 80
Mean 0.02419
Std Dev 0.8325

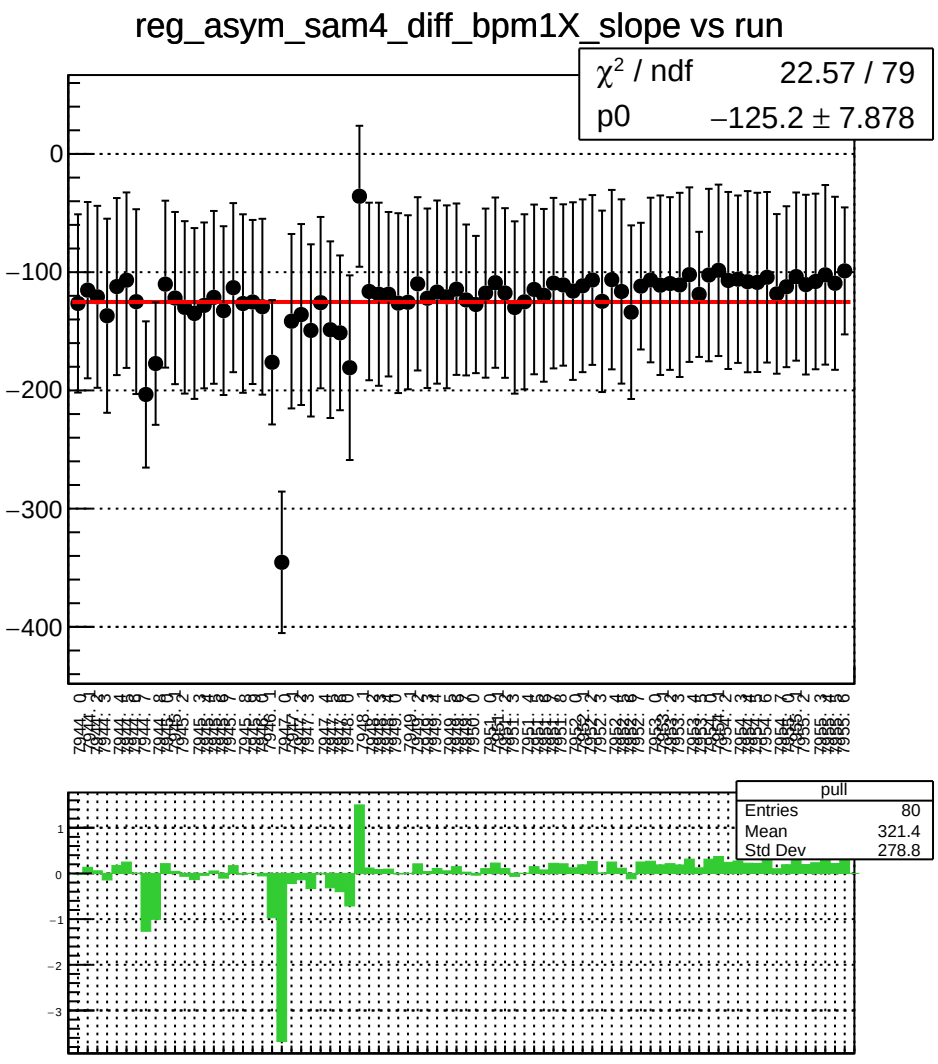

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 11.5 / 79
p0 4.736 ± 5.216
150
100
50
0
−50
pull
Entries 80
Mean 280.5
Std Dev 243.2
2
1.5
1
0.5
0
−0.5
pull1D
Entries 80
Mean −0.008056
Std Dev 0.379
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

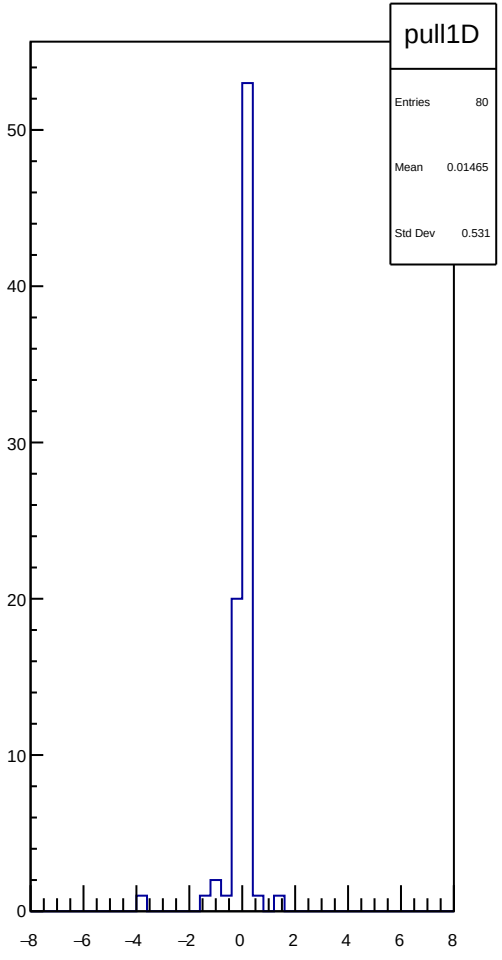

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 59.26 / 79
p0 −22.88 ± 4.483
pull
Entries 80
Mean 255.5
Std Dev 211.3
pull1D
Entries 80
Mean −0.02965
Std Dev 0.8602

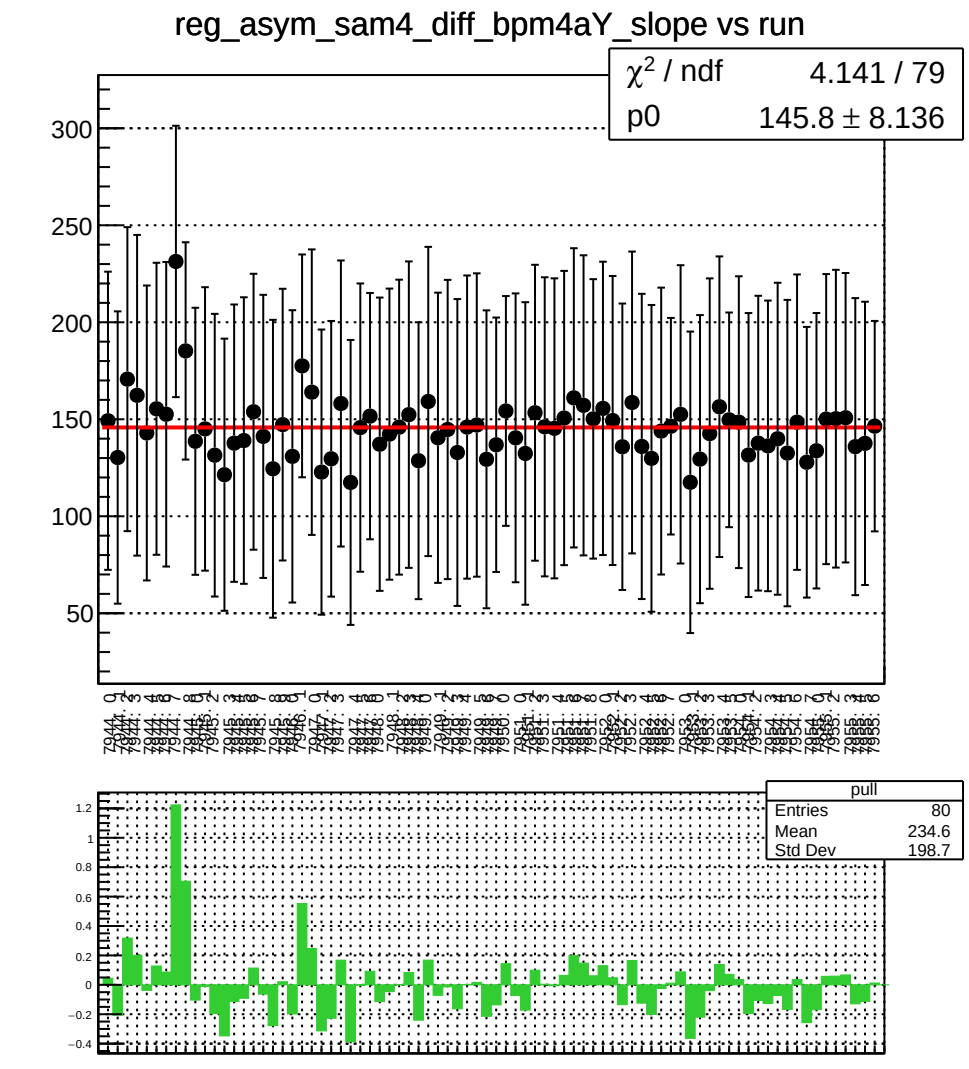

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 12.2 / 79
p0 13.26 ± 5.996
pull
Entries 80
Mean 332.7
Std Dev 295

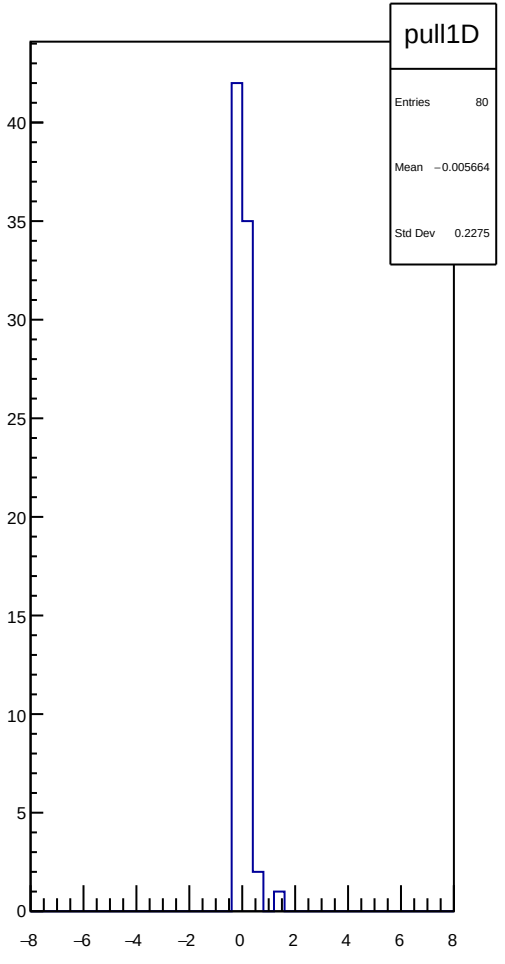

pull1D
Entries 80
Mean 0.008973
Std Dev 0.3904

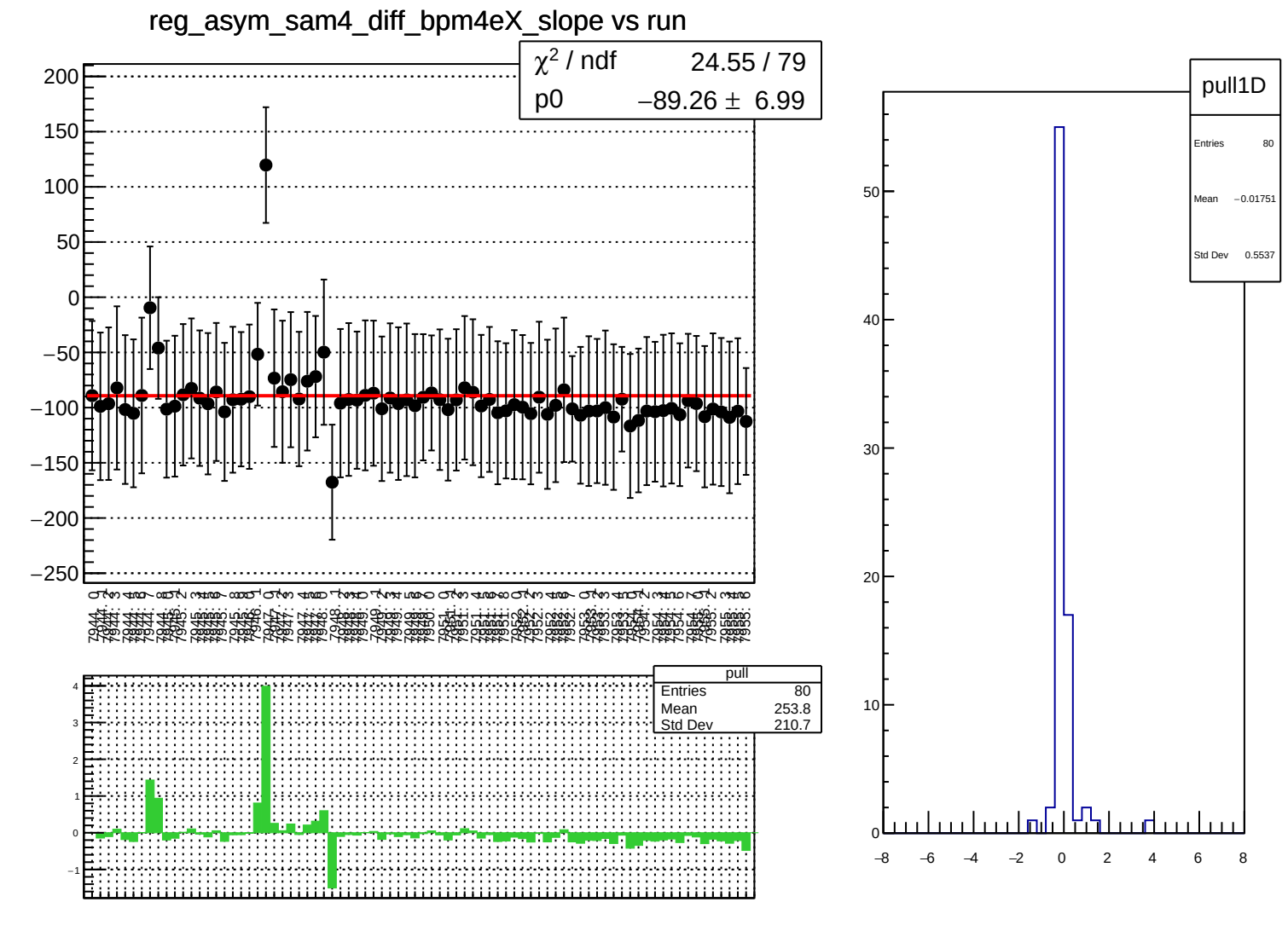

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 18.08 / 79
p0 −1.206 ± 0.169
pull
Entries 80
Mean −1246
Std Dev 1288
pull1D
Entries 80
Mean −0.004538
Std Dev 0.4754

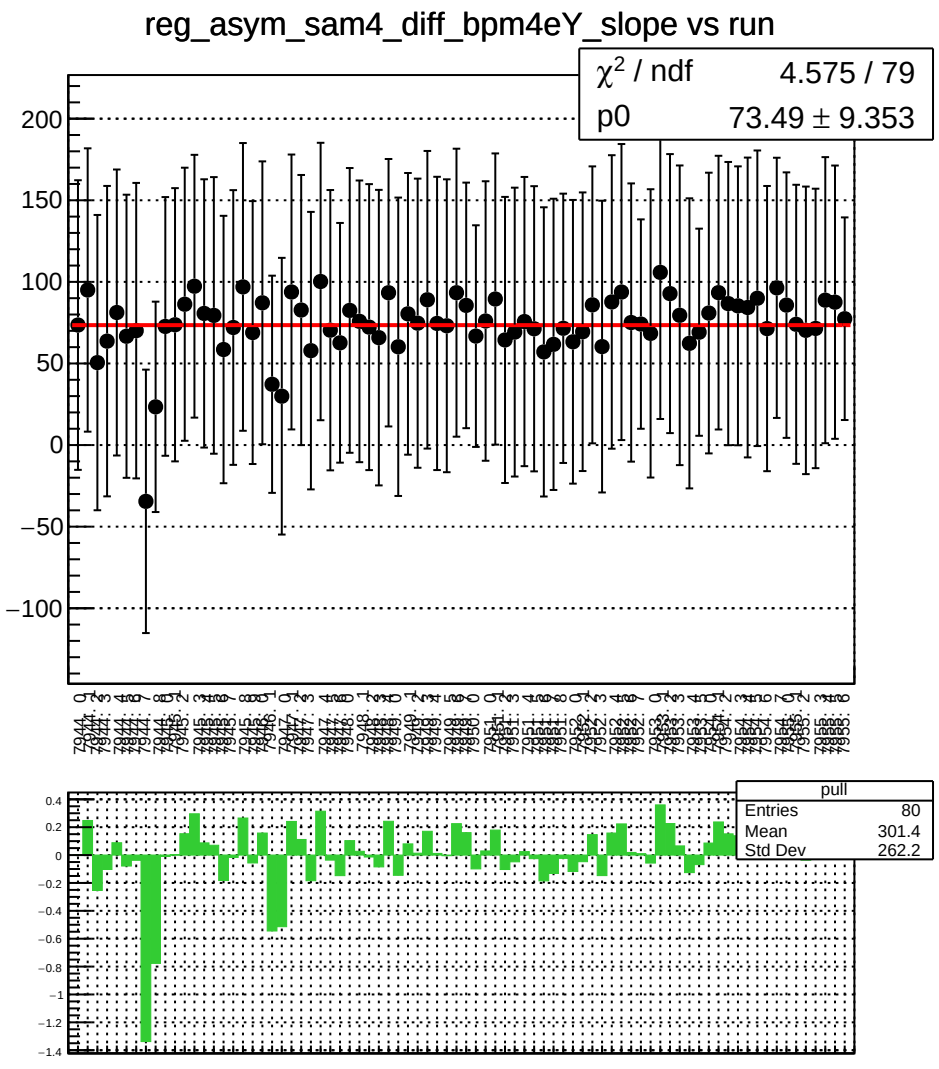

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 22.57 / 79
p0 −125.2 ± 7.878
pull
Entries 80
Mean 321.4
Std Dev 278.8

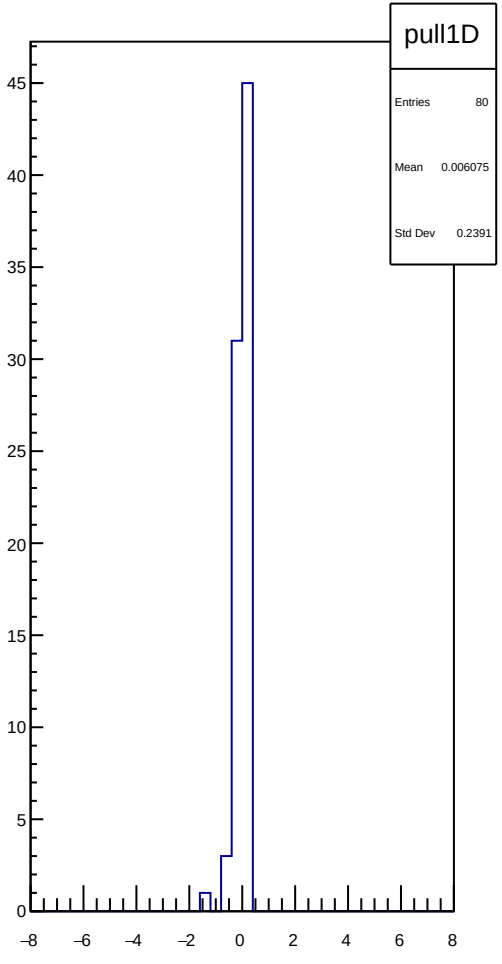

pull1D
Entries 80
Mean 0.01465
Std Dev 0.531

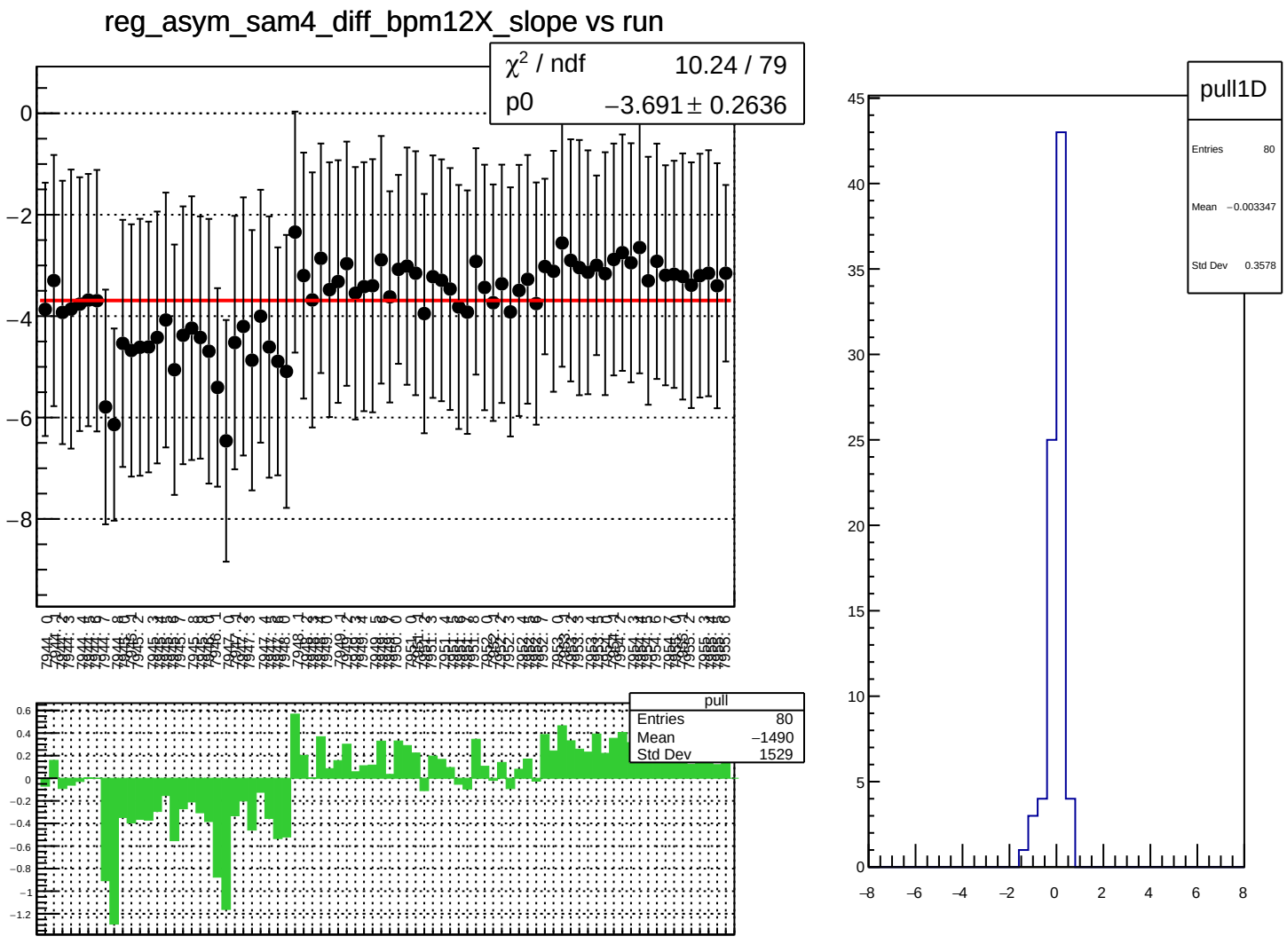

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 4.141 / 79
p0 145.8 ± 8.136
pull
Entries 80
Mean 234.6
Std Dev 198.7

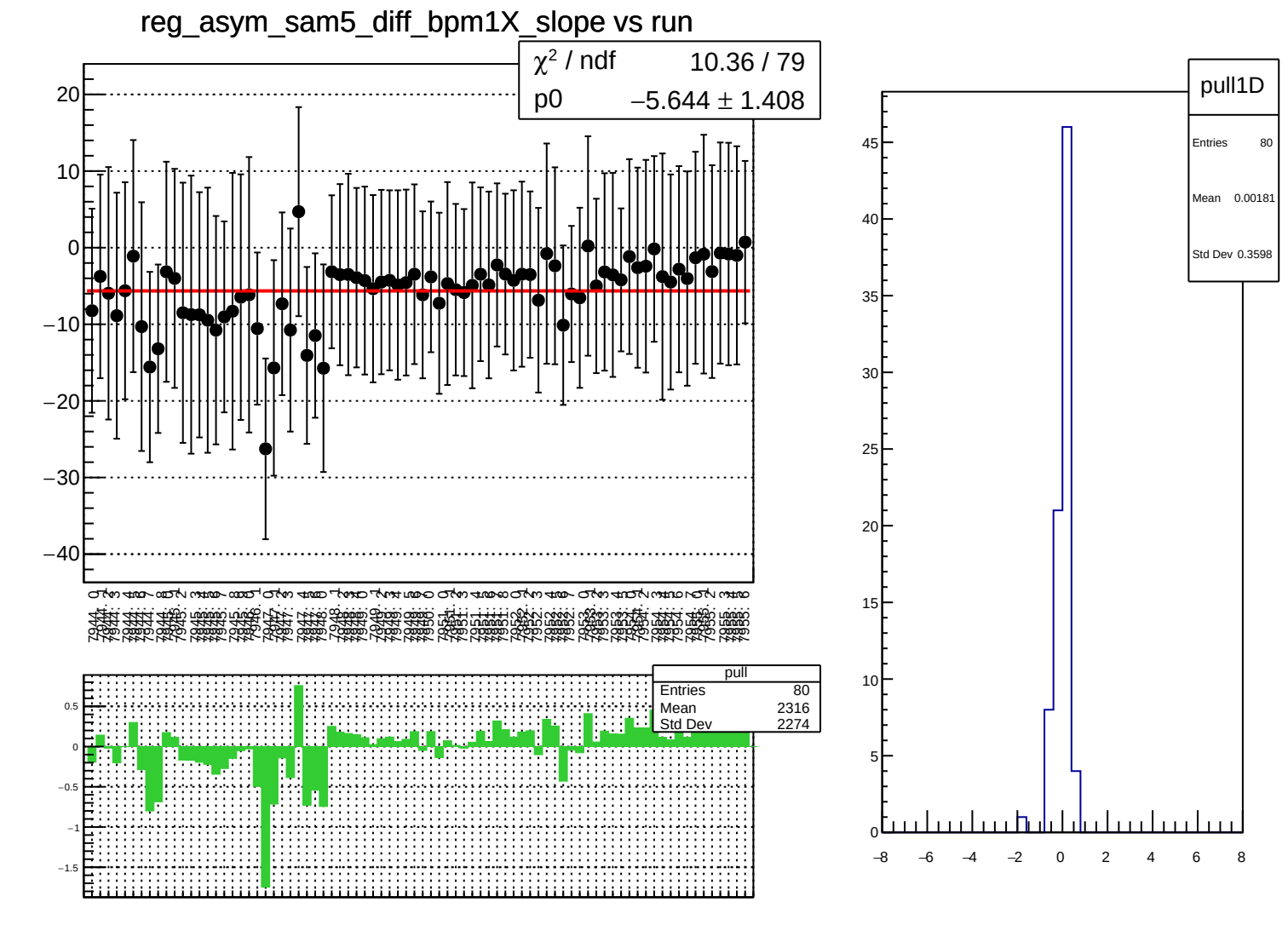

pull1D
Entries 80
Mean −0.005664
Std Dev 0.2275

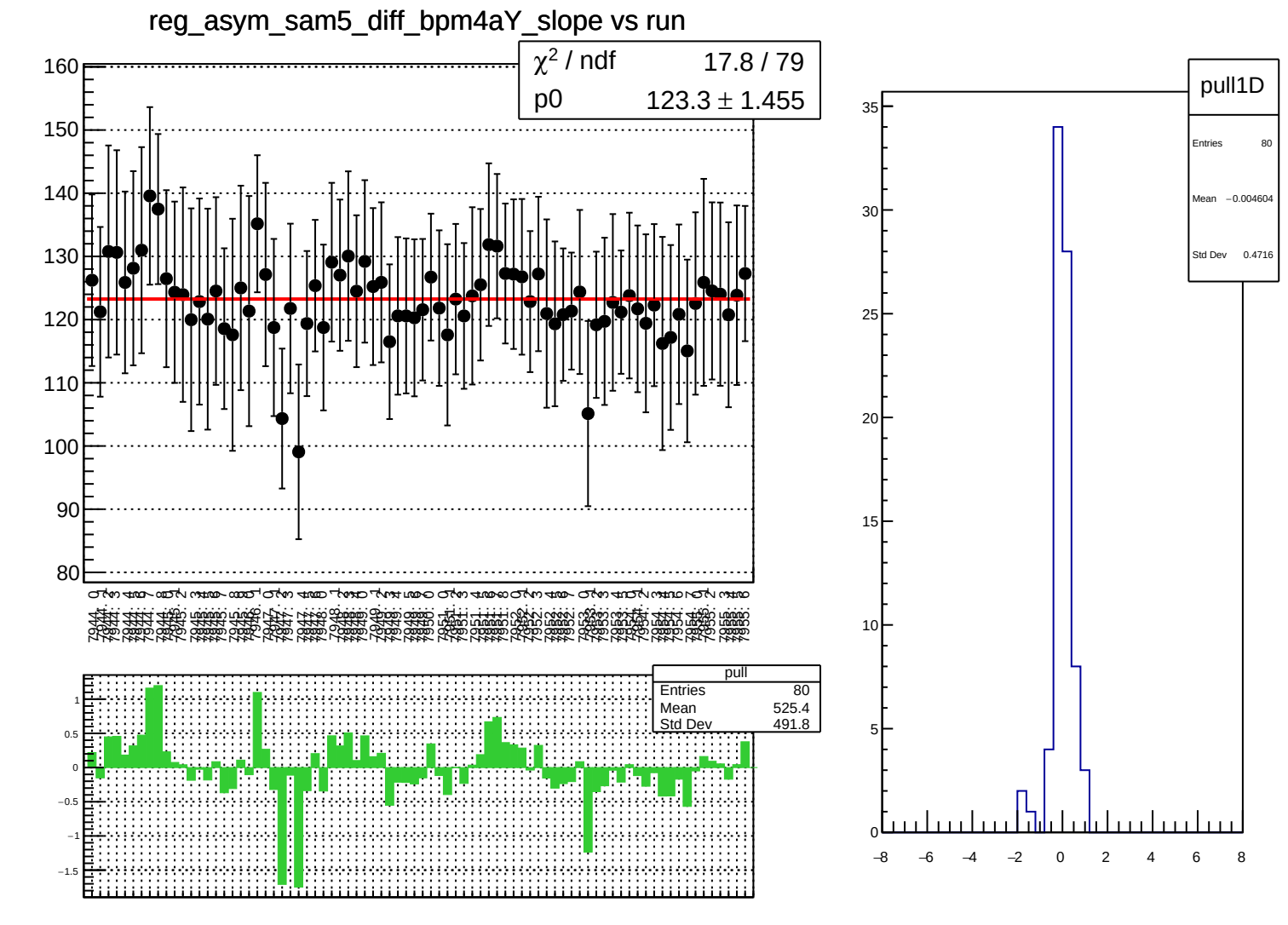

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 24.55 / 79
p0 −89.26 ± 6.99
pull
Entries 80
Mean 253.8
Std Dev 210.7
pull1D
Entries 80
Mean −0.01751
Std Dev 0.5537

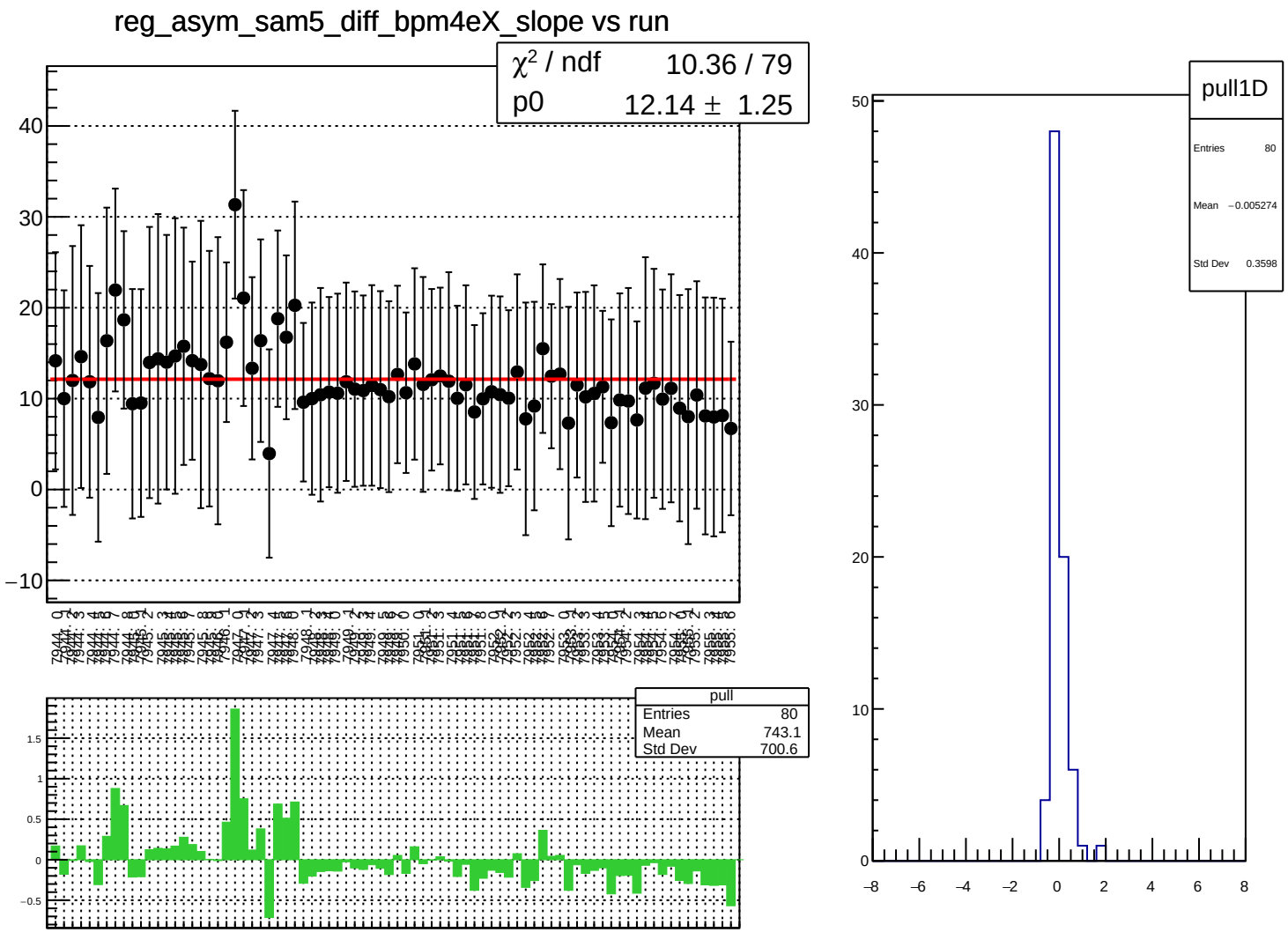

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 4.575 / 79
p0 73.49 ± 9.353
pull
Entries 80
Mean 301.4
Std Dev 262.2

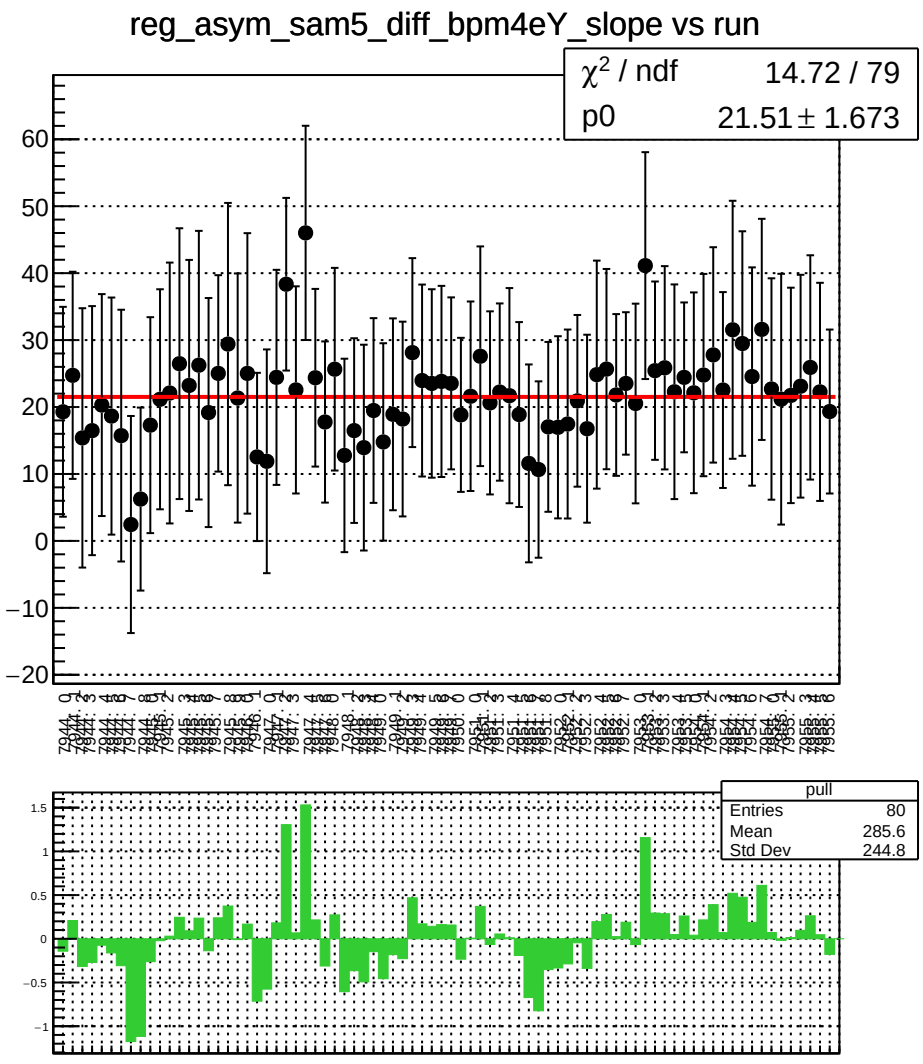

pull1D
Entries 80
Mean 0.006075
Std Dev 0.2391

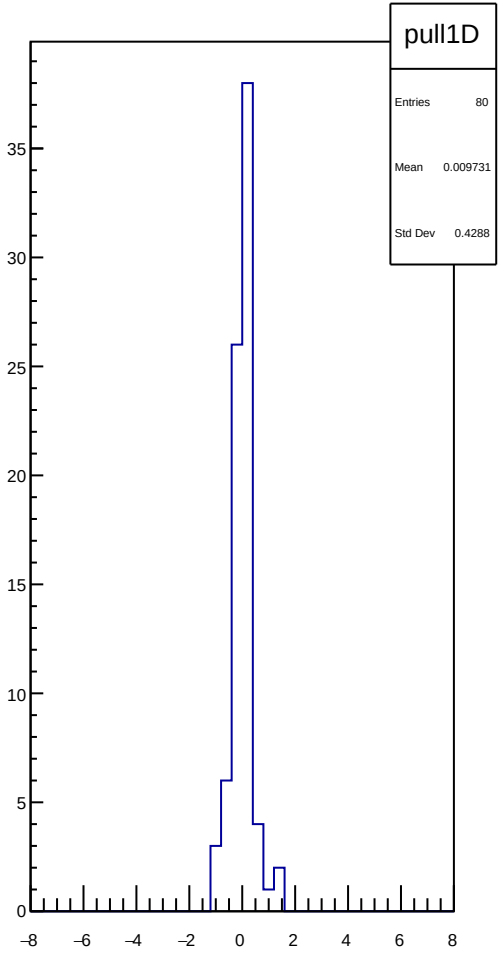

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 10.24 / 79
p0 −3.691 ± 0.2636
pull
Entries 80
Mean −1490
Std Dev 1529
pull1D
Entries 80
Mean −0.003347
Std Dev 0.3578

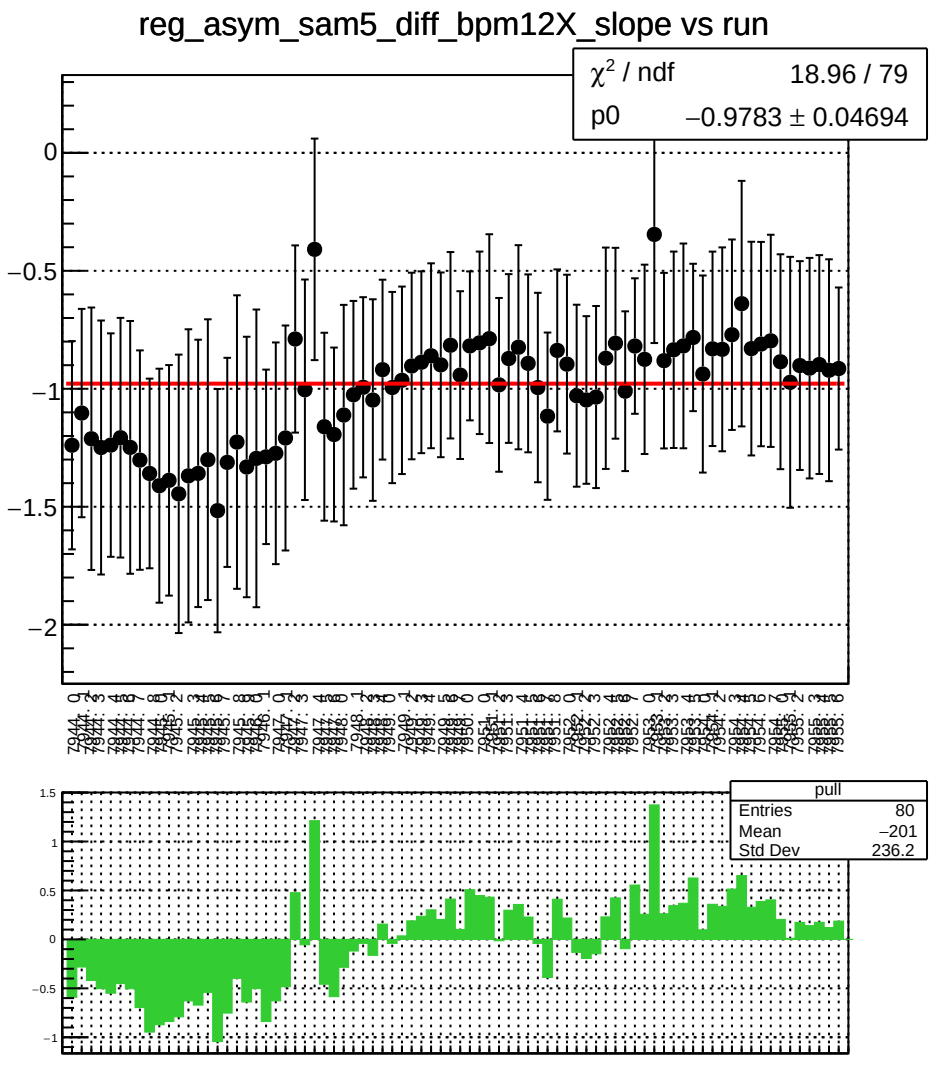

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 10.36 / 79
p0 −5.644 ± 1.408
pull
Entries 80
Mean 2316
Std Dev 2274
pull1D
Entries 80
Mean 0.00181
Std Dev 0.3598

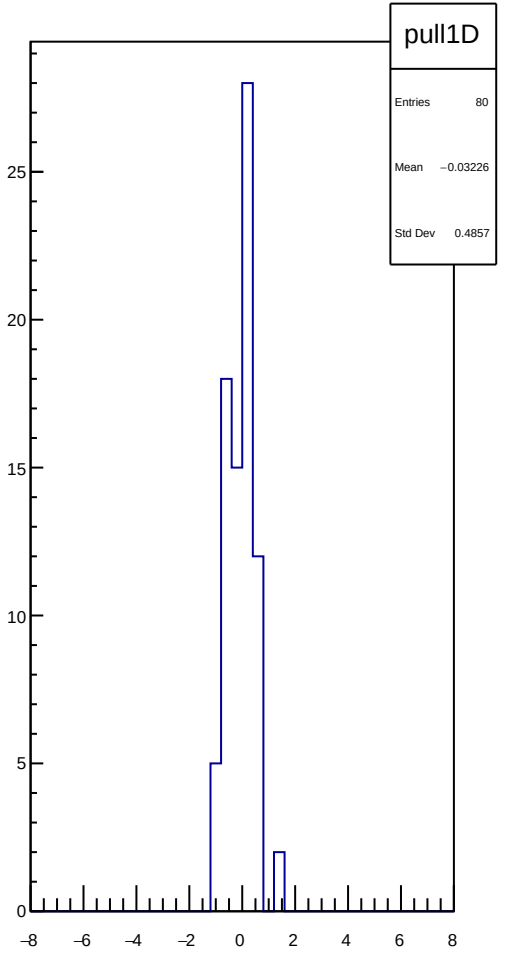

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 17.8 / 79
p0 123.3 ± 1.455
pull
Entries 80
Mean 525.4
Std Dev 491.8
pull1D
Entries 80
Mean −0.004604
Std Dev 0.4716

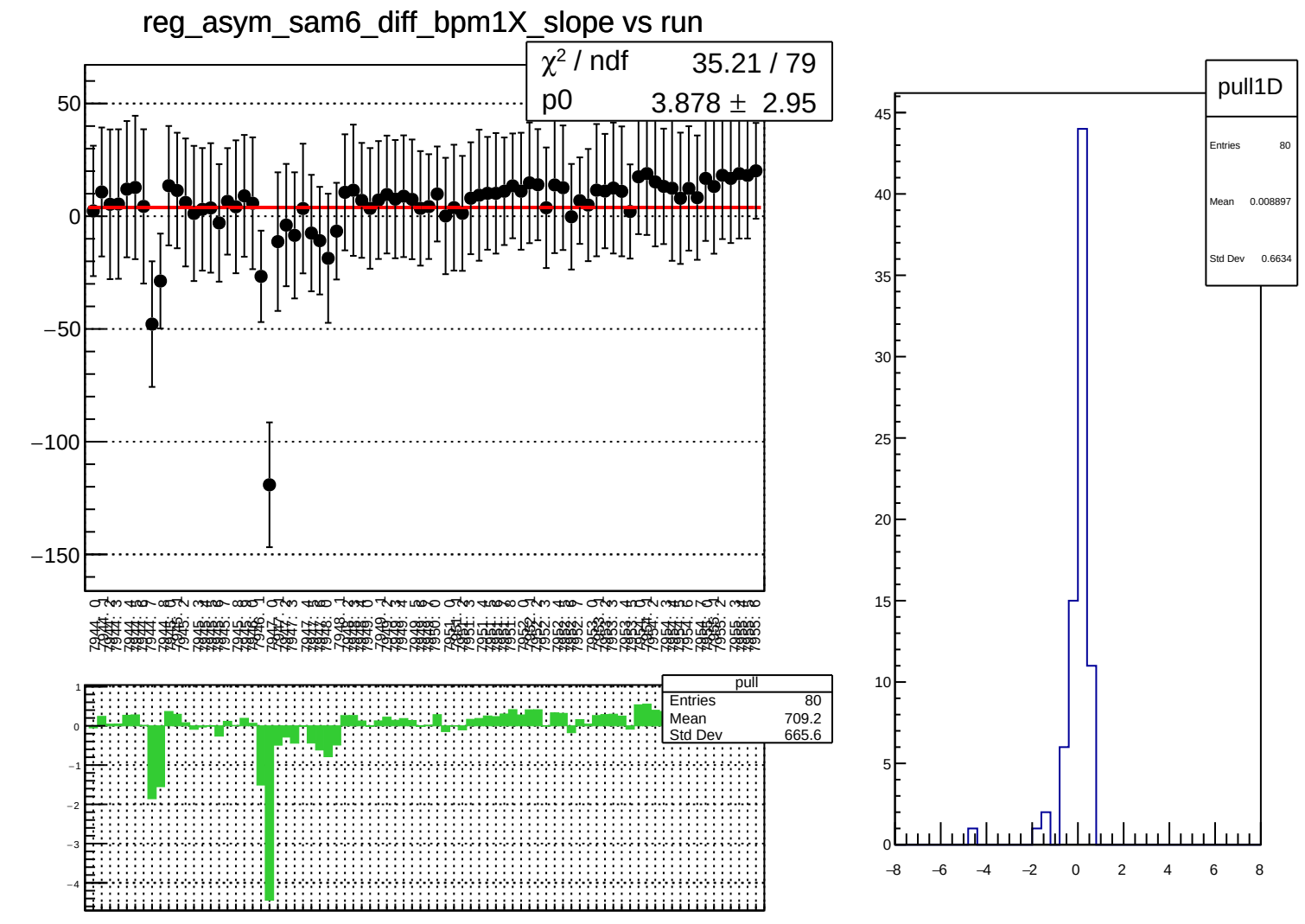

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 10.36 / 79
p0 12.14 ± 1.25
pull
Entries 80
Mean 743.1
Std Dev 700.6
pull1D
Entries 80
Mean −0.005274
Std Dev 0.3598

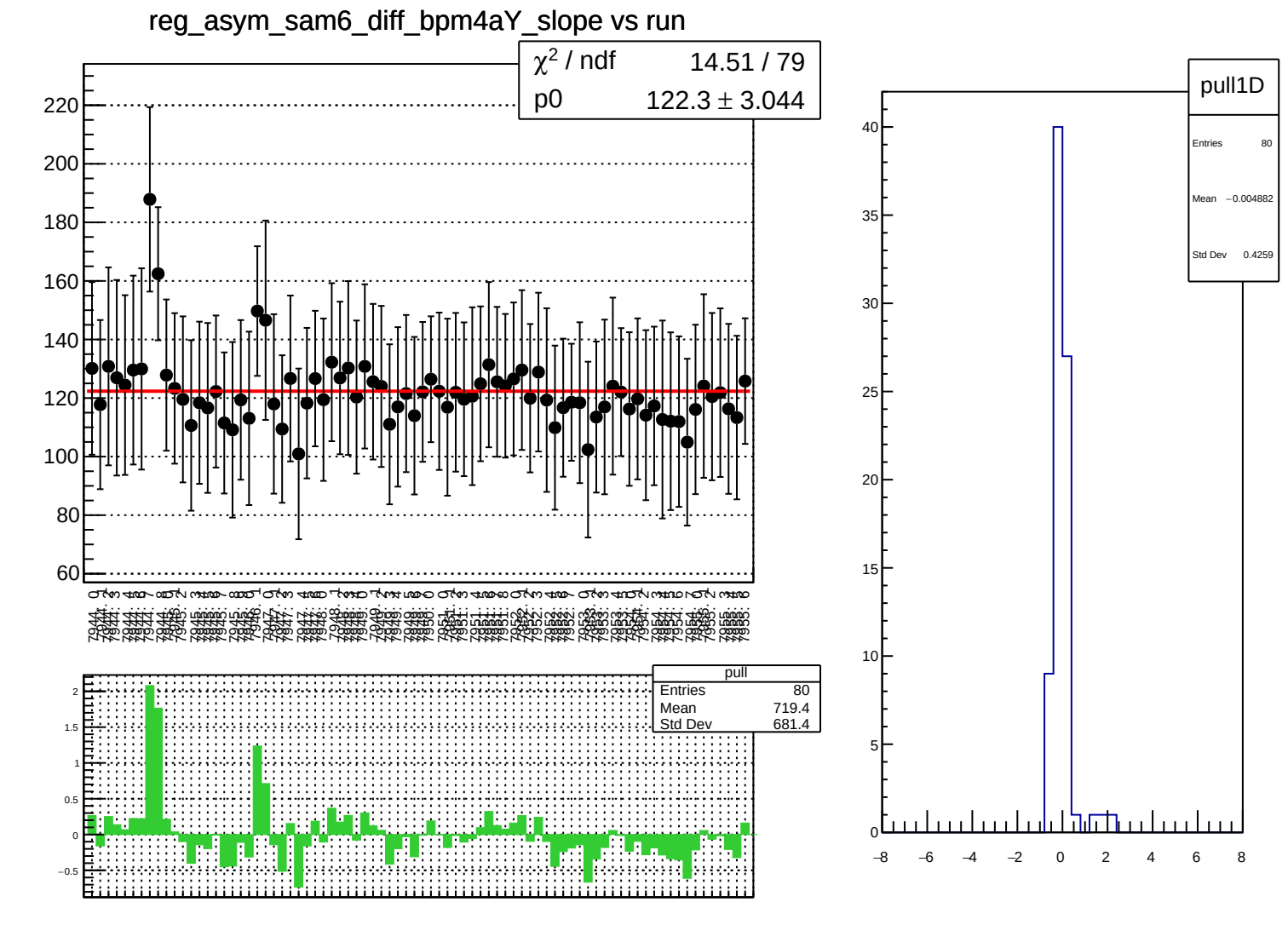

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 14.72 / 79
p0 21.51 ± 1.673
pull
Entries 80
Mean 285.6
Std Dev 244.8

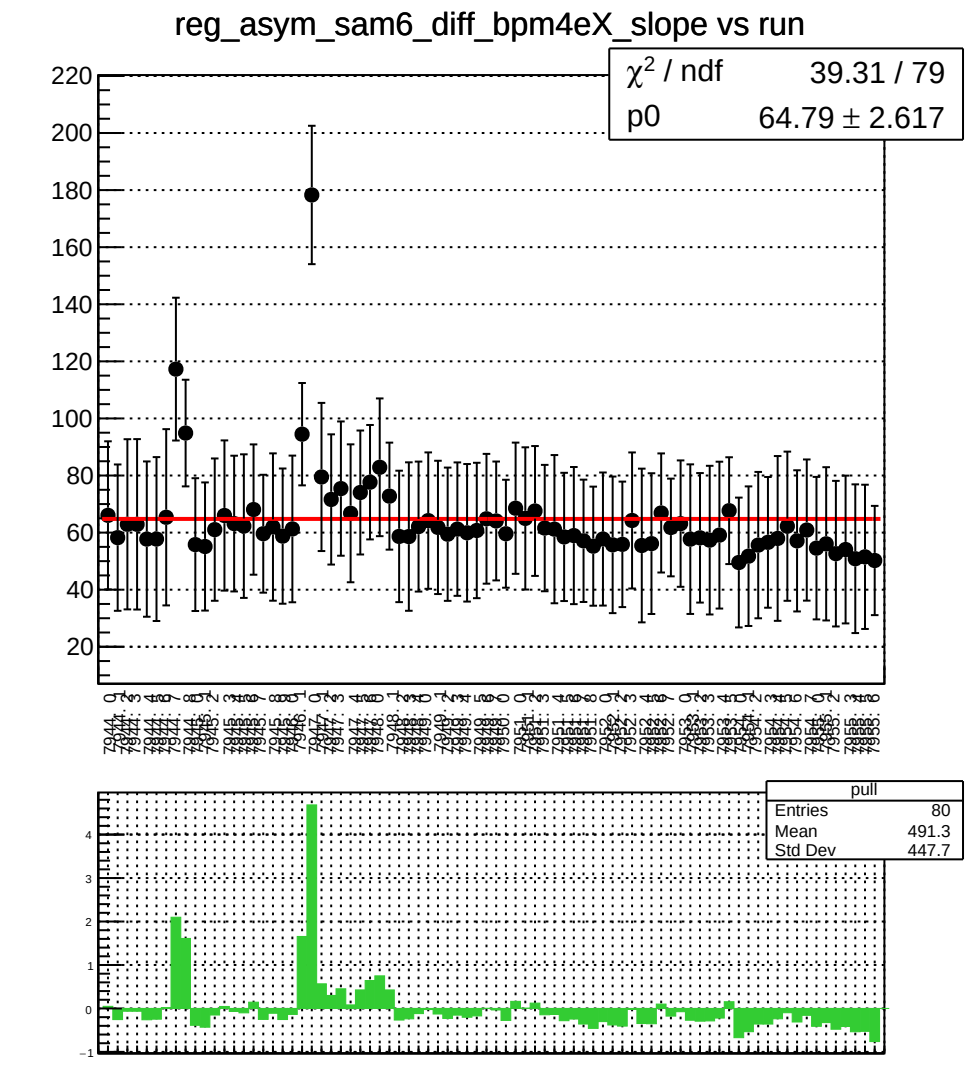

pull1D
Entries 80
Mean 0.009731
Std Dev 0.4288

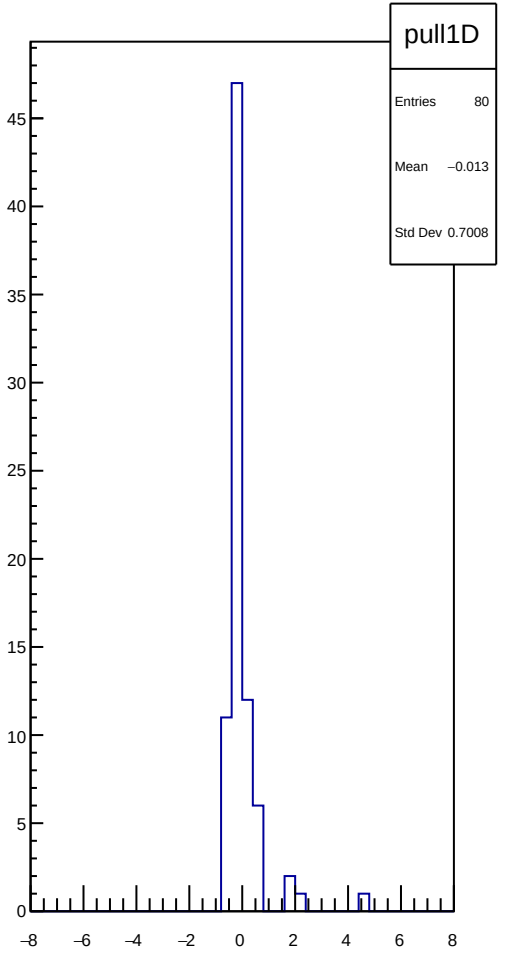

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 18.96 / 79
p0 −0.9783 ± 0.04694
pull
Entries 80
Mean −201
Std Dev 236.2

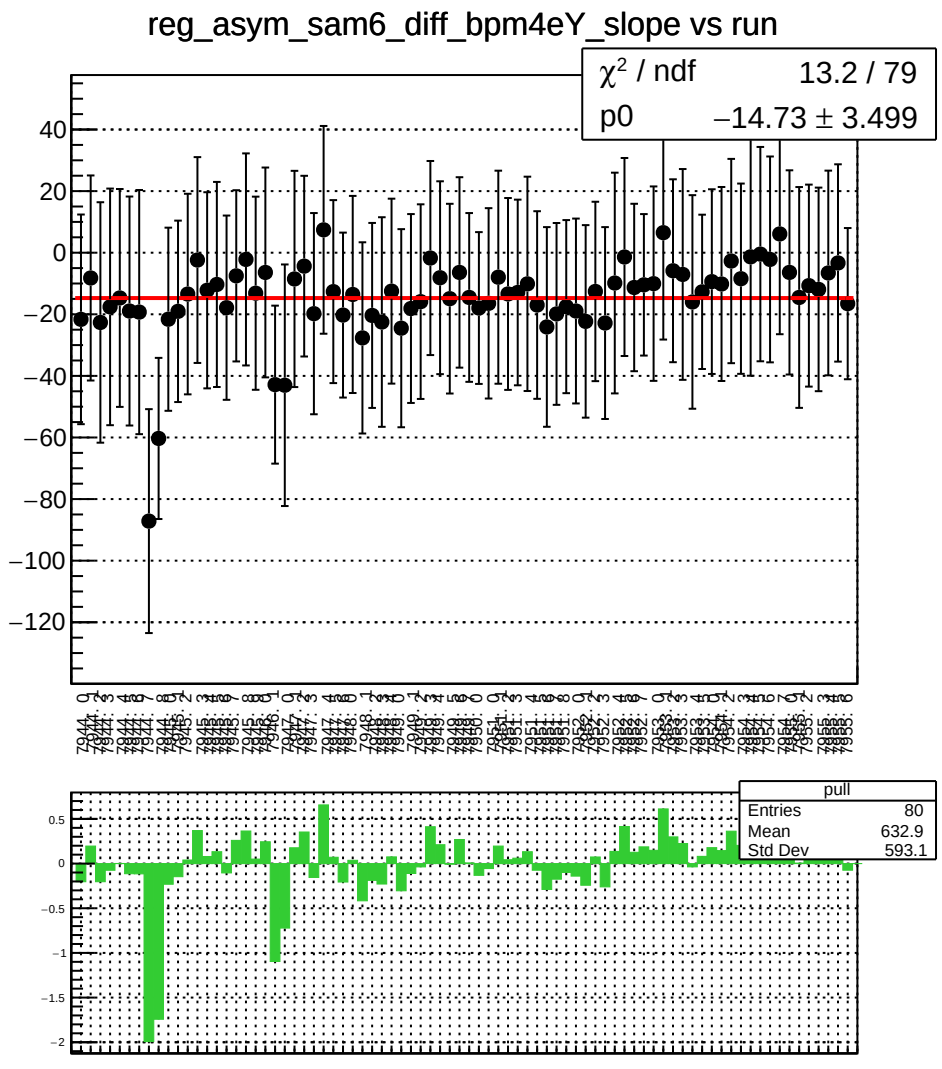

pull1D
Entries 80
Mean −0.03226
Std Dev 0.4857

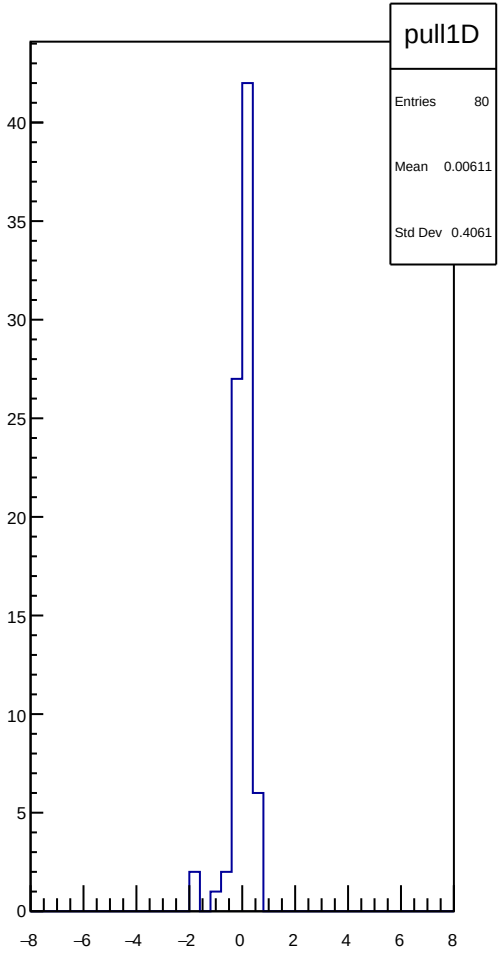

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 35.21 / 79
p0 3.878 ± 2.95
50
0
−50
−100
−150
pull
Entries 80
Mean 709.2
Std Dev 665.6
1
0
−1
−2
−3
−4
pull1D
Entries 80
Mean 0.008897
Std Dev 0.6634
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

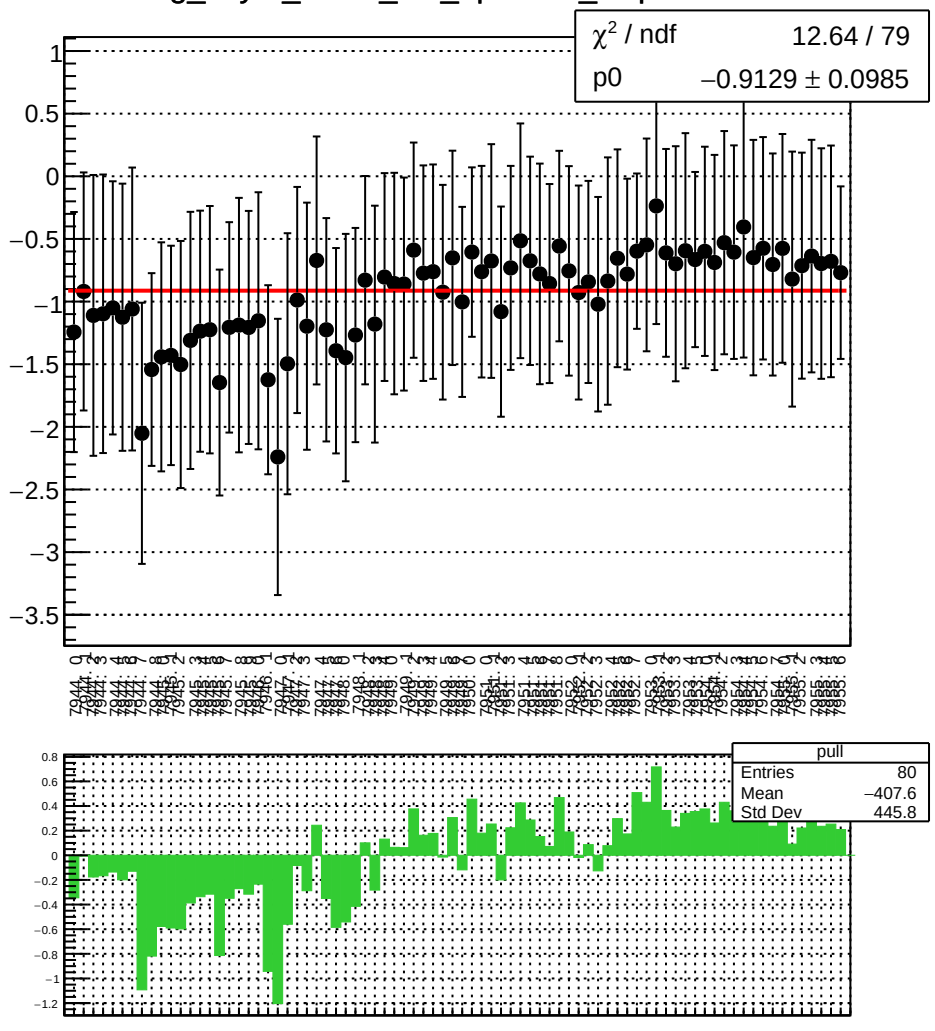

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 14.51 / 79
p0 122.3 ± 3.044
pull
Entries 80
Mean 719.4
Std Dev 681.4
pull1D
Entries 80
Mean −0.004882
Std Dev 0.4259

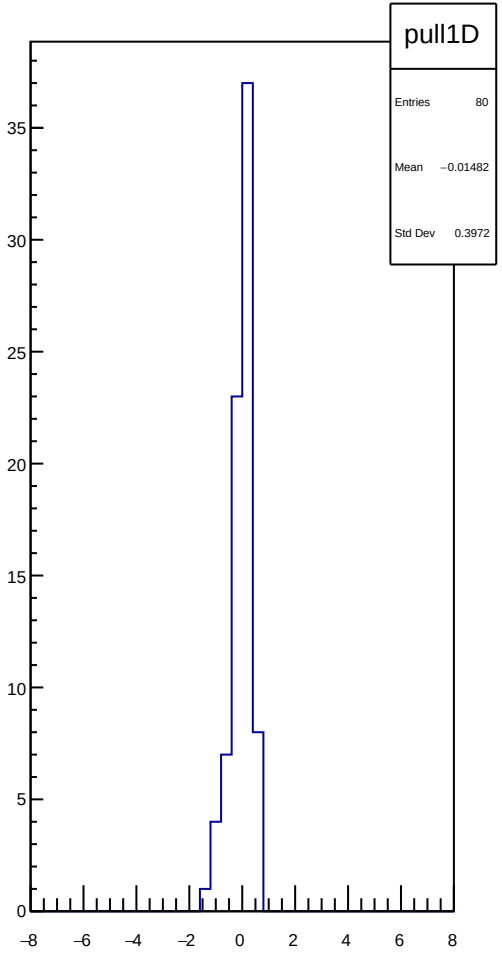

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 39.31 / 79
p0 64.79 ± 2.617
pull
Entries 80
Mean 491.3
Std Dev 447.7

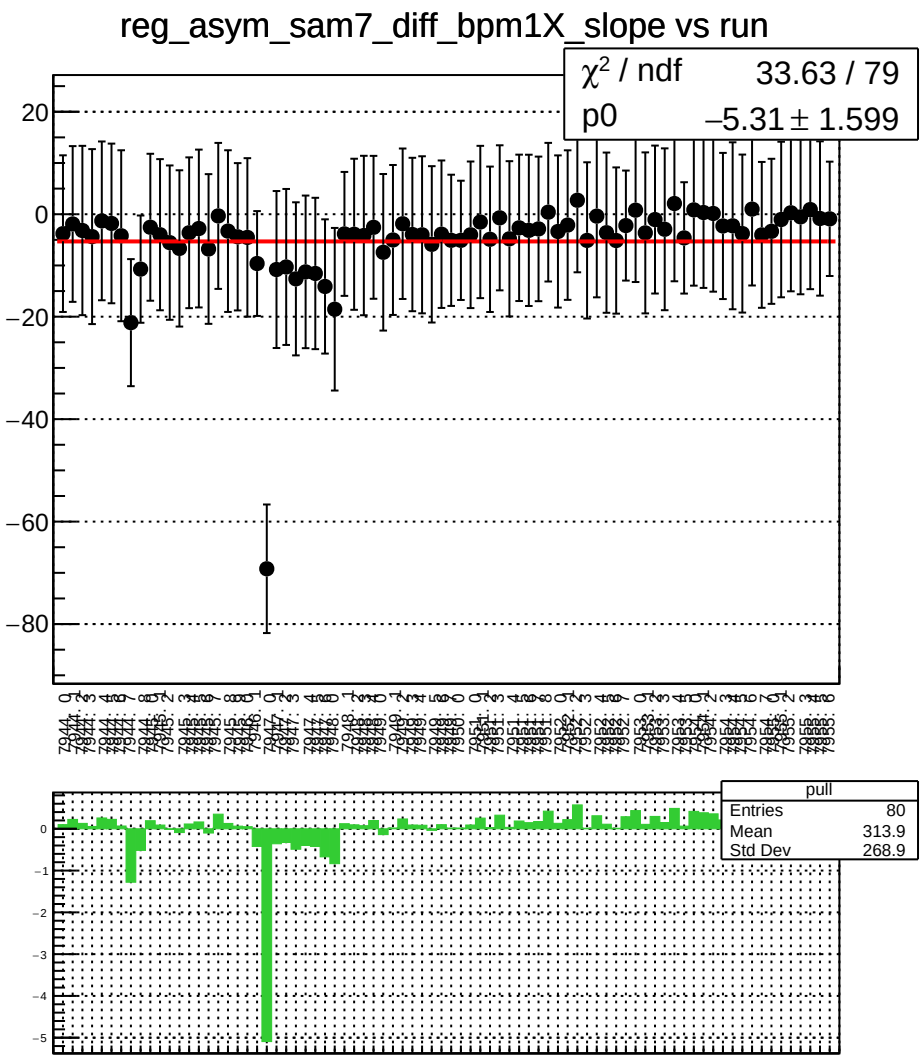

pull1D
Entries 80
Mean −0.013
Std Dev 0.7008

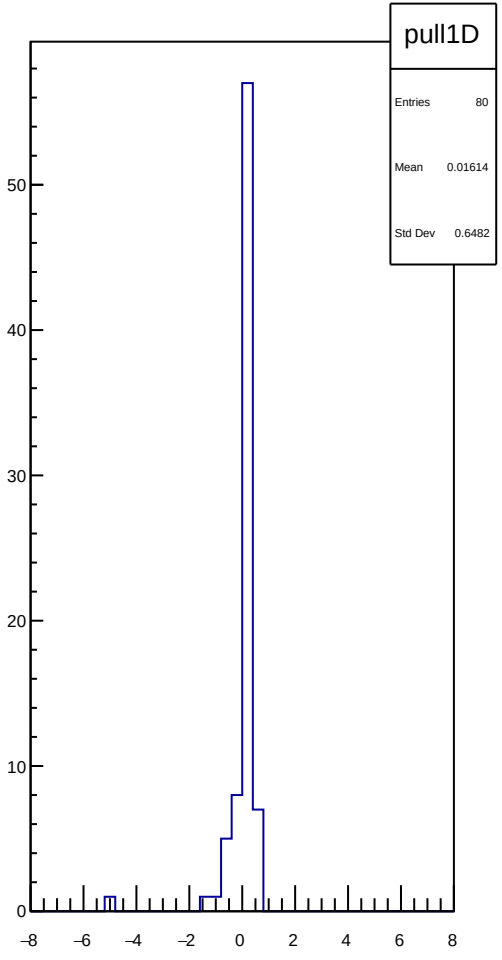

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.2 / 79
p0 −14.73 ± 3.499
pull
Entries 80
Mean 632.9
Std Dev 593.1

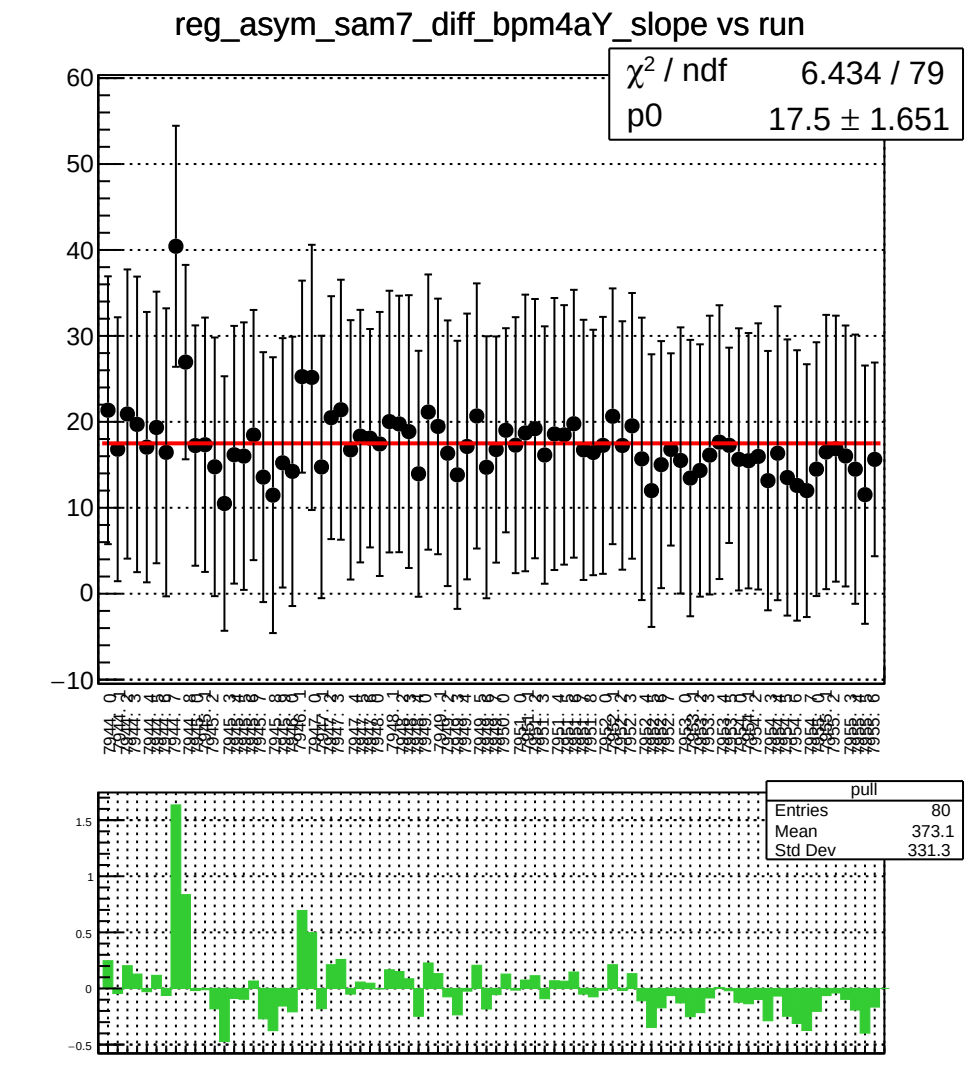

pull1D
Entries 80
Mean 0.00611
Std Dev 0.4061

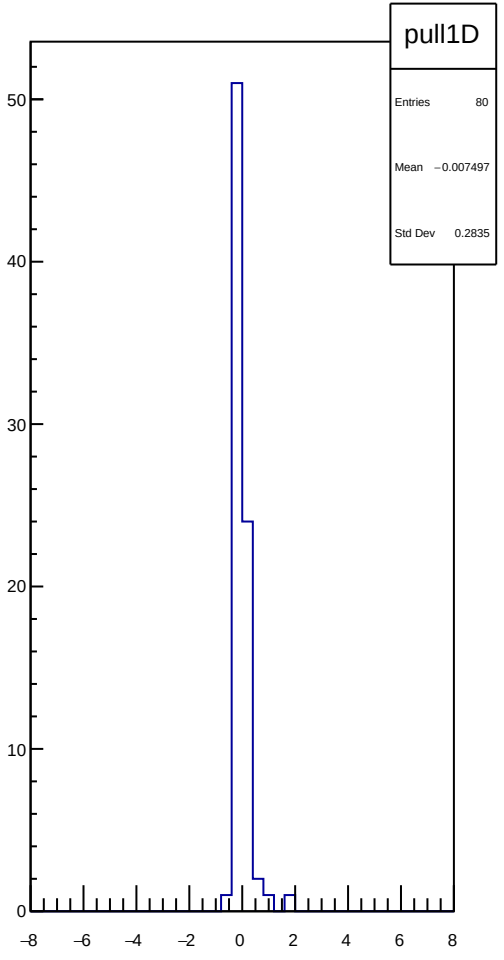

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 12.64 / 79
p0 −0.9129 ± 0.0985
pull
Entries 80
Mean −407.6
Std Dev 445.8

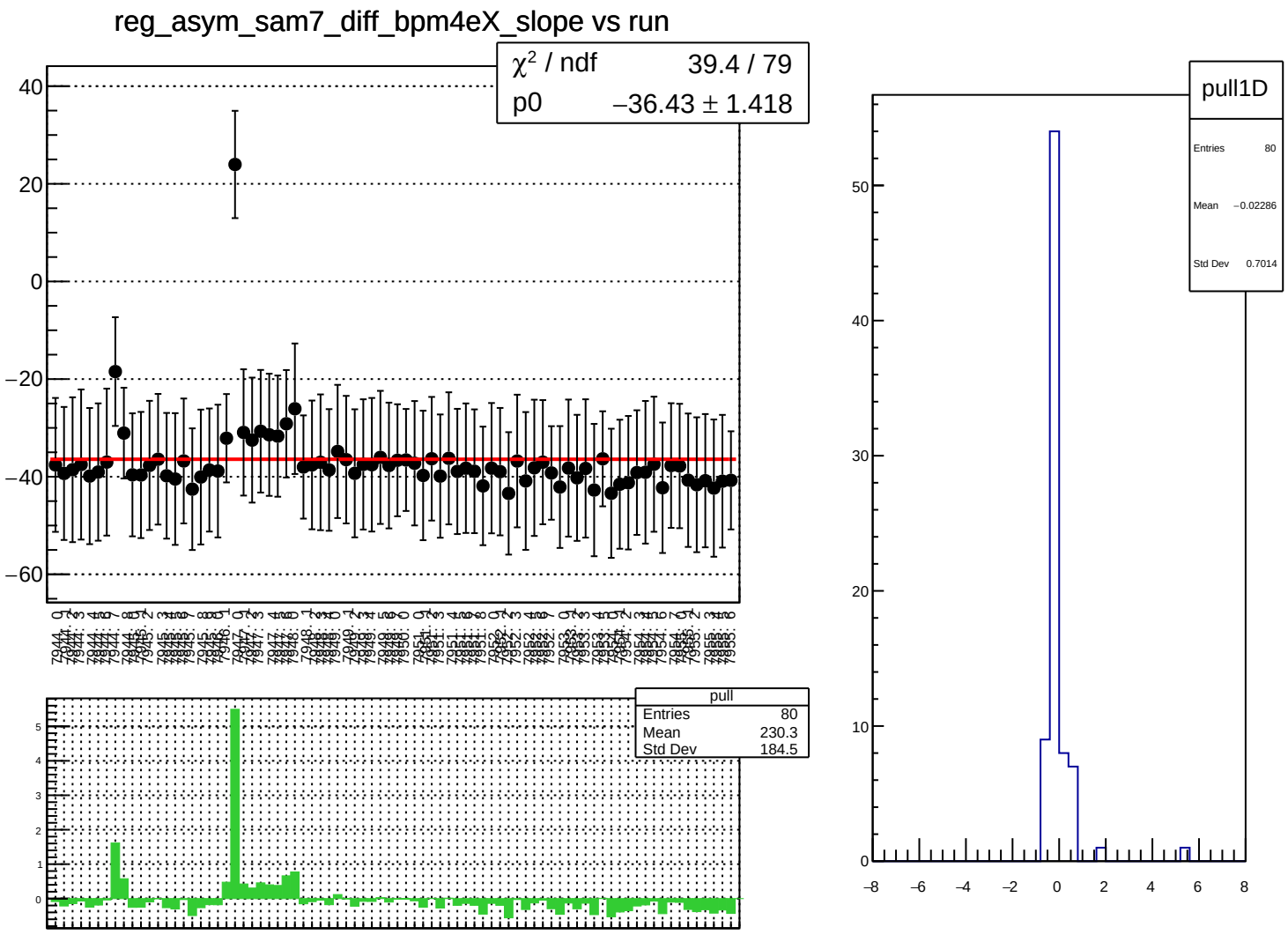

pull1D
Entries 80
Mean −0.01482
Std Dev 0.3972

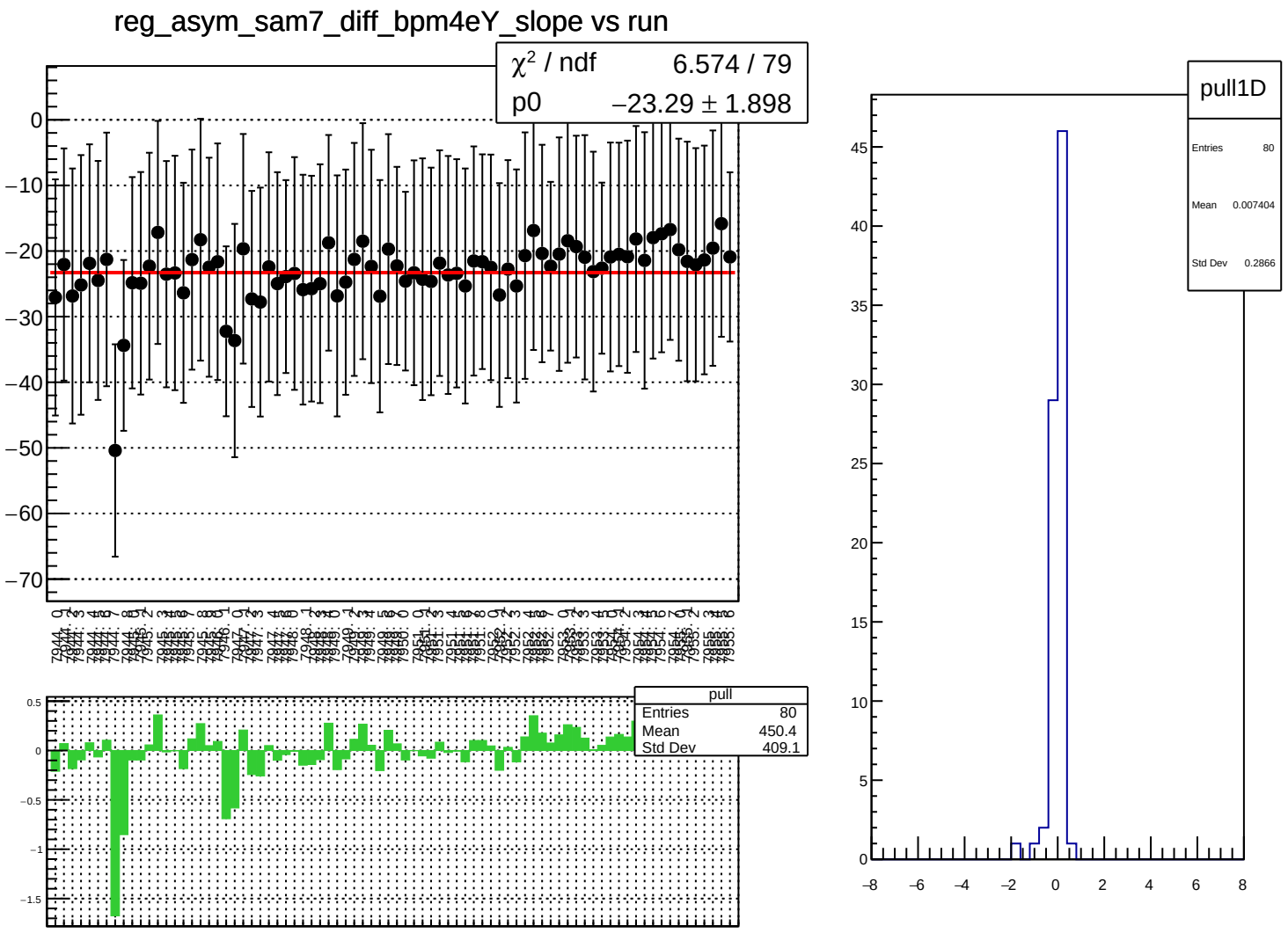

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 33.63 / 79
p0 −5.31 ± 1.599
pull
Entries 80
Mean 313.9
Std Dev 268.9

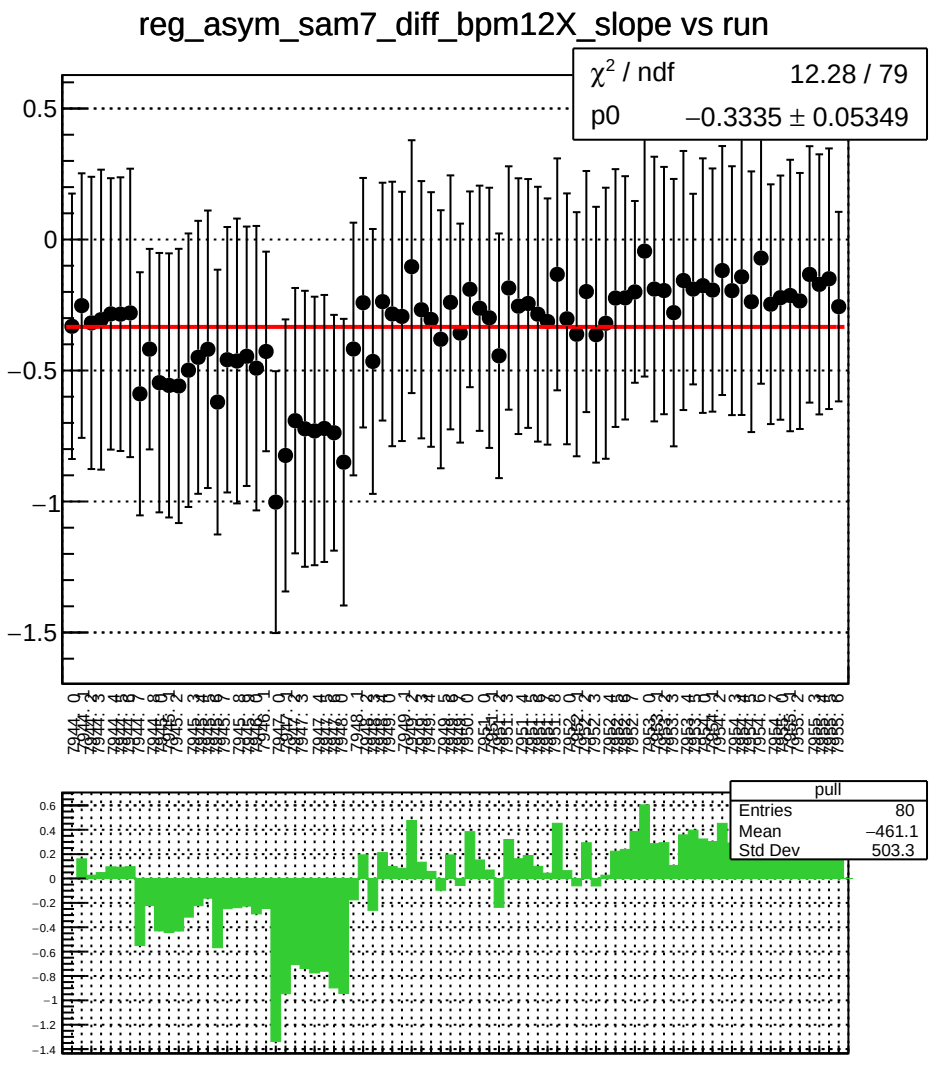

pull1D
Entries 80
Mean 0.01614
Std Dev 0.6482

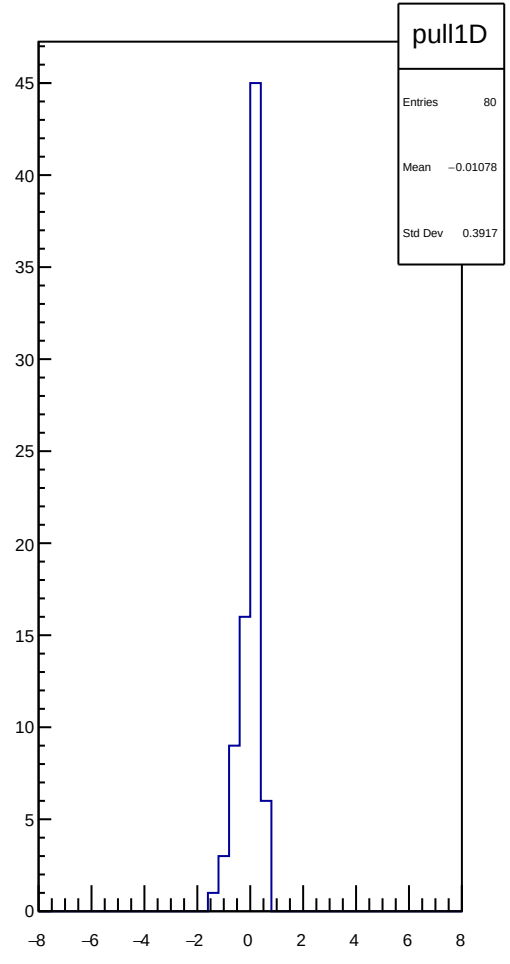

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 6.434 / 79
p0 17.5 ± 1.651
pull
Entries 80
Mean 373.1
Std Dev 331.3

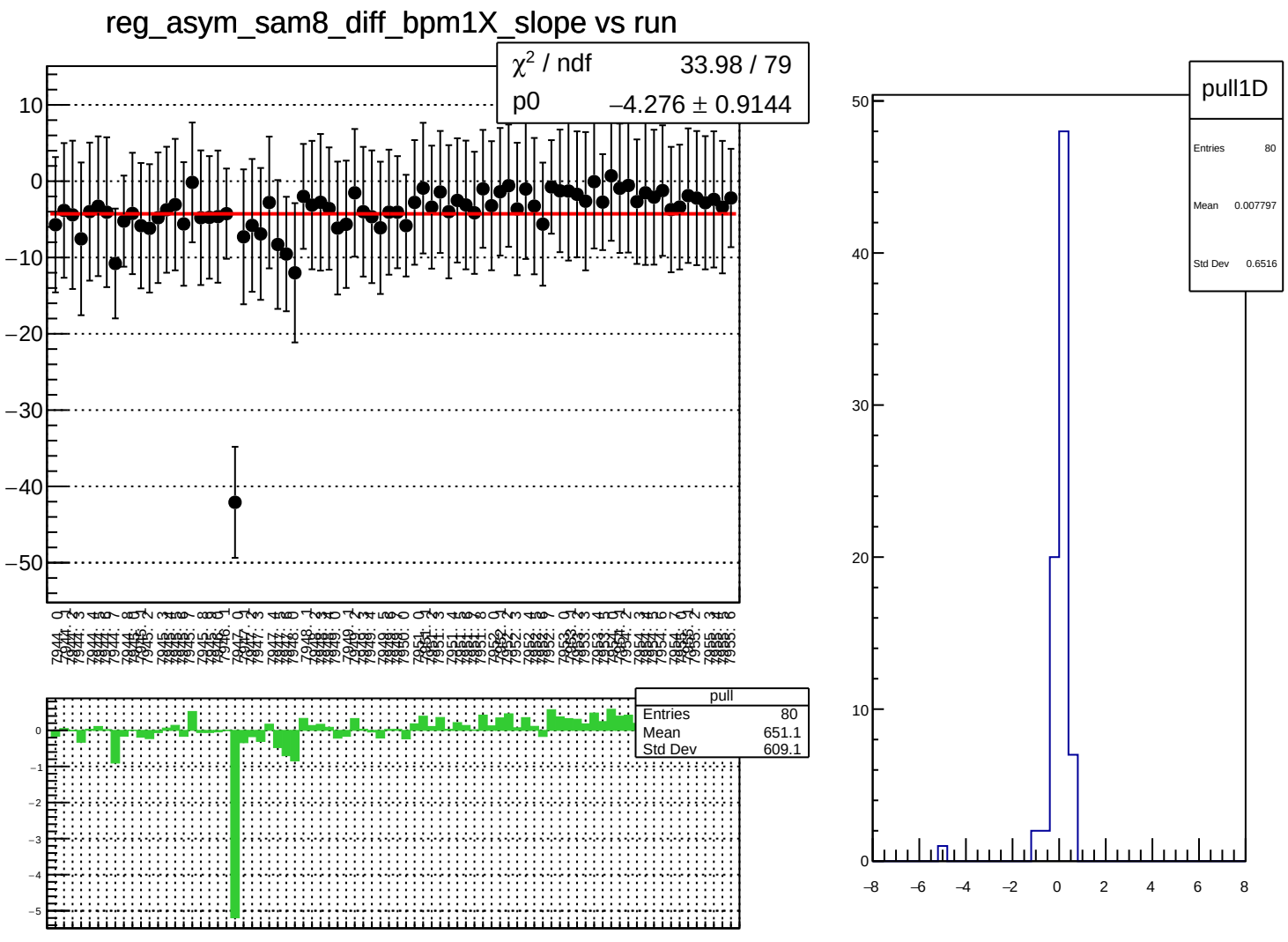

pull1D
Entries 80
Mean −0.007497
Std Dev 0.2835

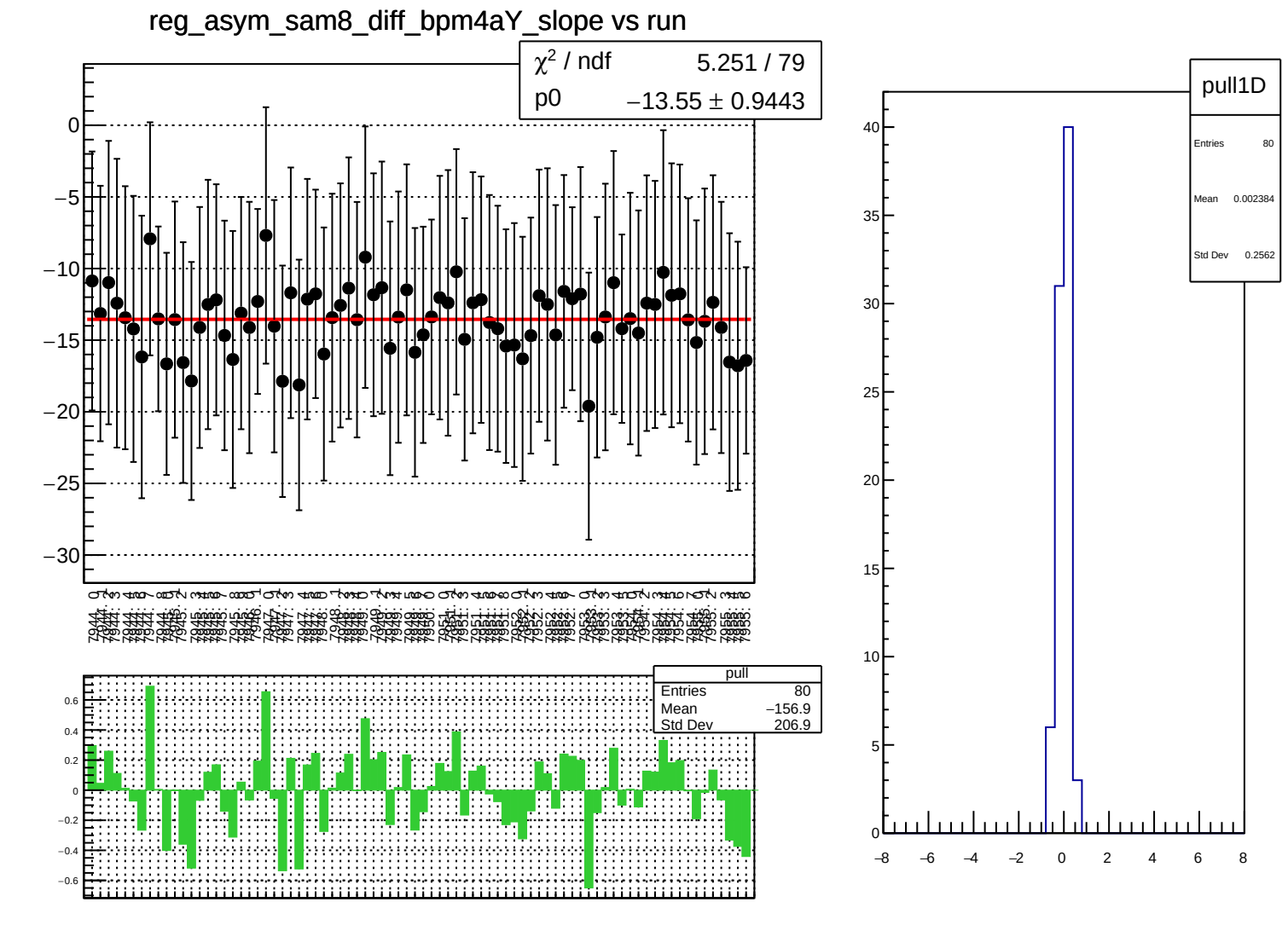

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 39.4 / 79
p0 −36.43 ± 1.418
pull
Entries 80
Mean 230.3
Std Dev 184.5
pull1D
Entries 80
Mean −0.02286
Std Dev 0.7014

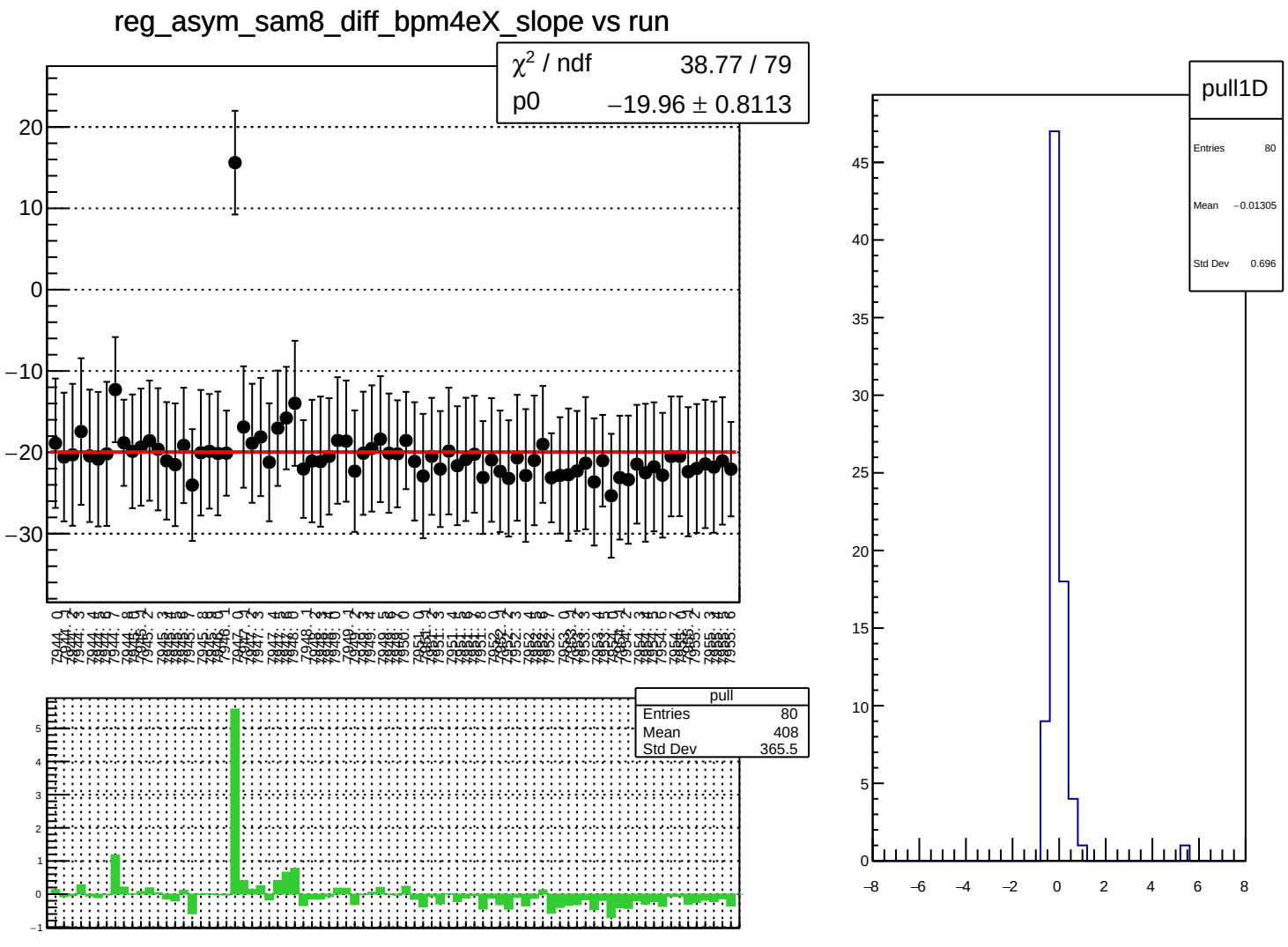

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 6.574 / 79
p0 −23.29 ± 1.898
pull
Entries 80
Mean 450.4
Std Dev 409.1
pull1D
Entries 80
Mean 0.007404
Std Dev 0.2866

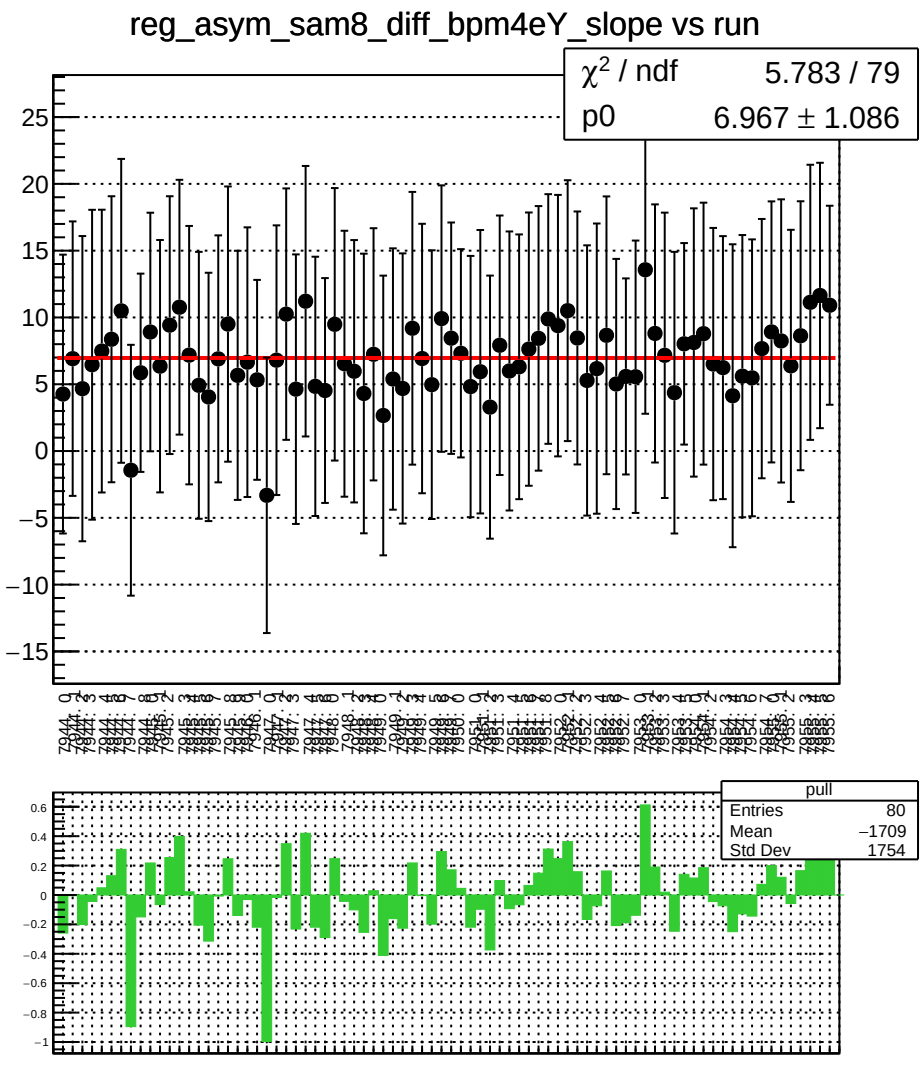

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 12.28 / 79
p0 −0.3335 ± 0.05349
pull
Entries 80
Mean −461.1
Std Dev 503.3

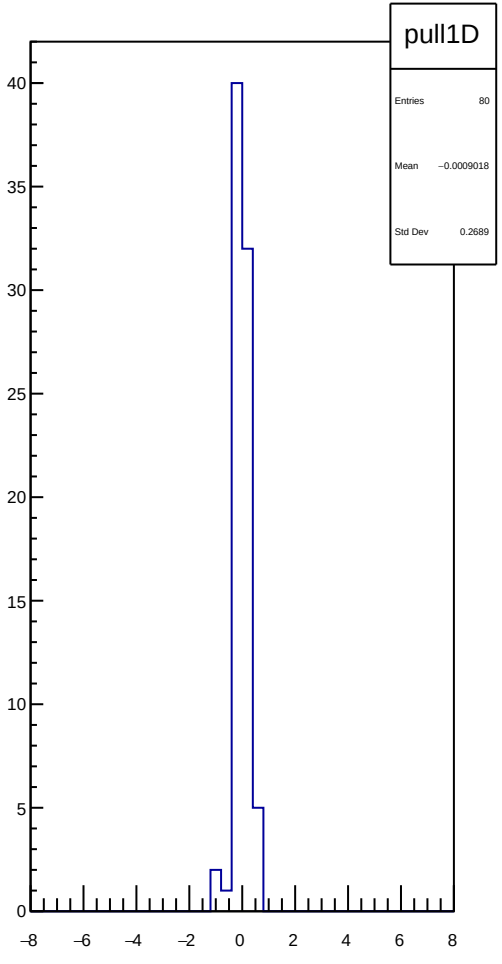

pull1D
Entries 80
Mean −0.01078
Std Dev 0.3917

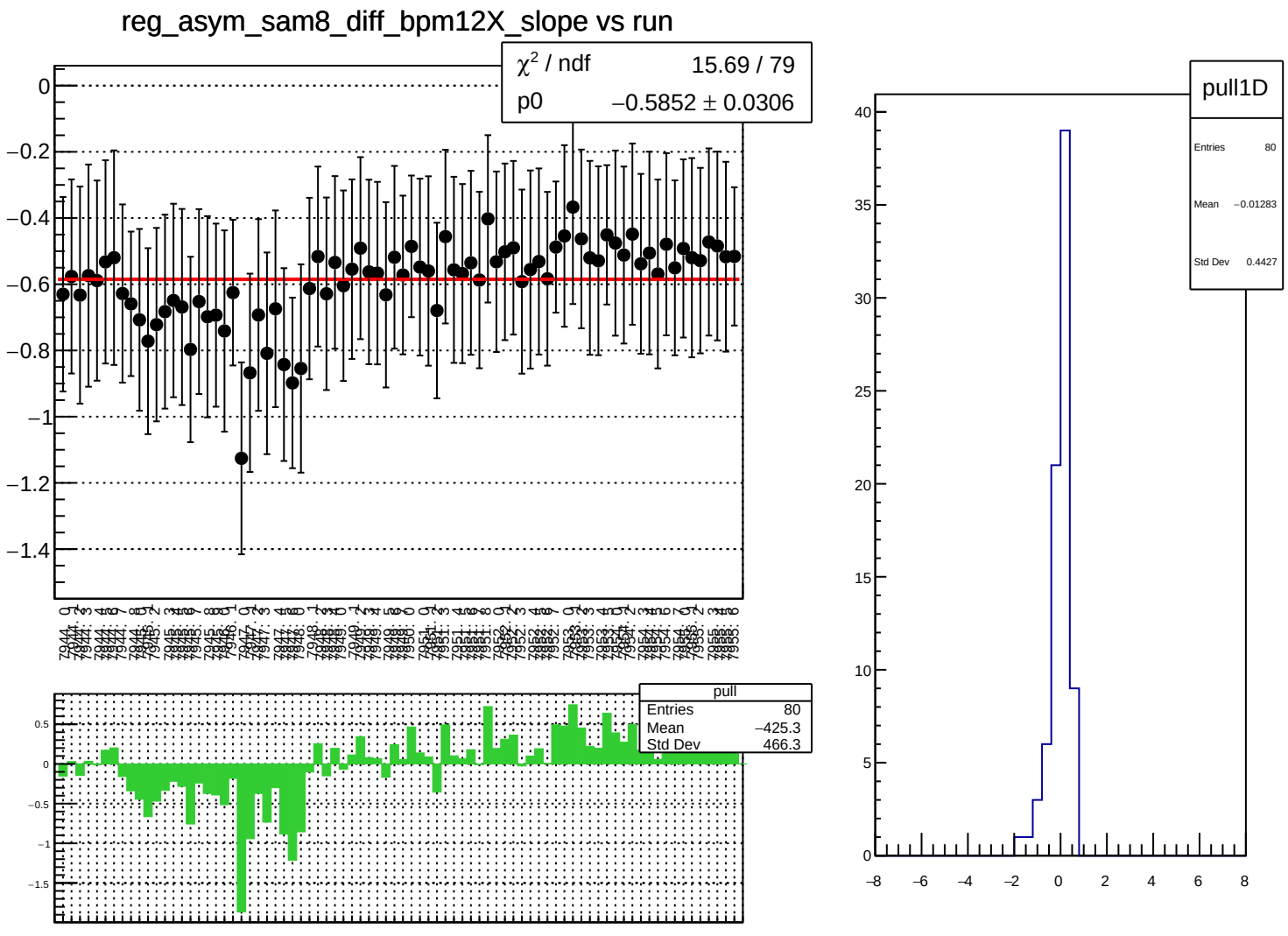

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 33.98 / 79
p0 −4.276 ± 0.9144
pull
Entries 80
Mean 651.1
Std Dev 609.1
pull1D
Entries 80
Mean 0.007797
Std Dev 0.6516

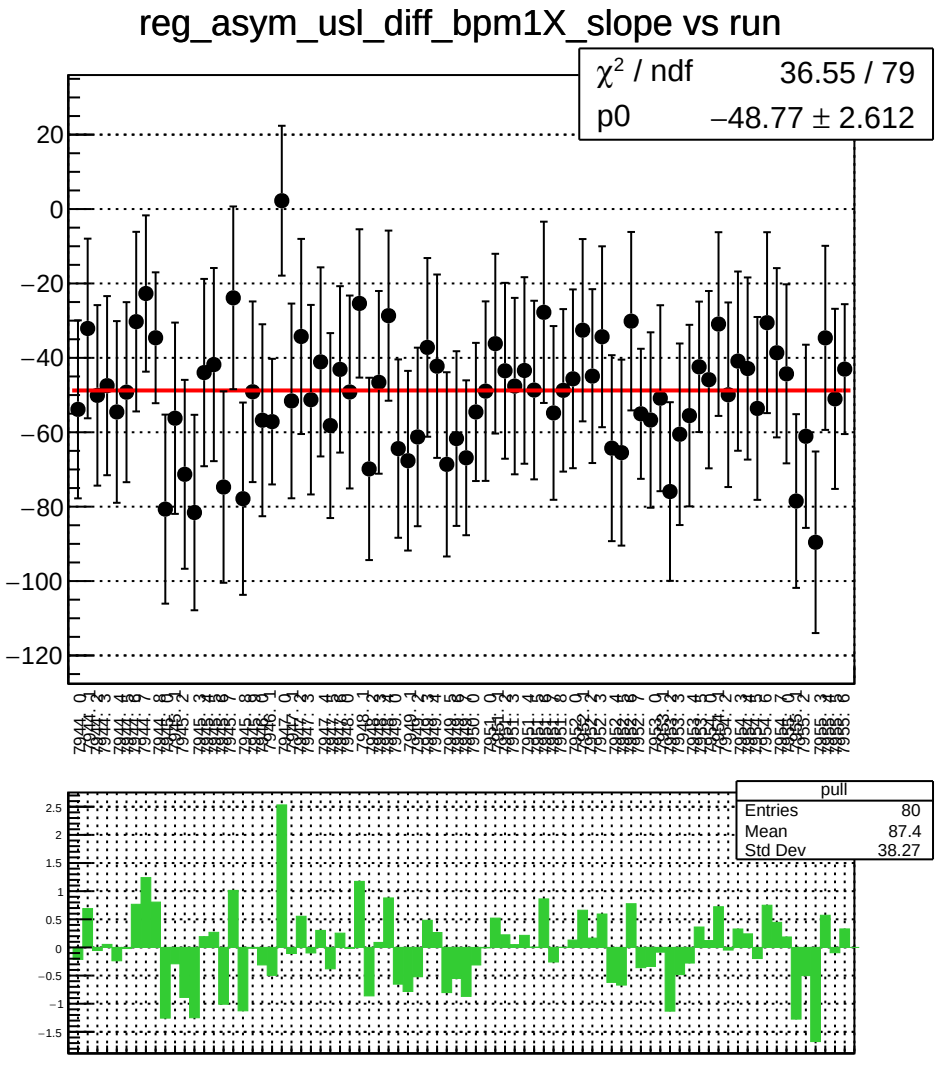

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 5.251 / 79
p0 −13.55 ± 0.9443
pull
Entries 80
Mean −156.9
Std Dev 206.9
pull1D
Entries 80
Mean 0.002384
Std Dev 0.2562

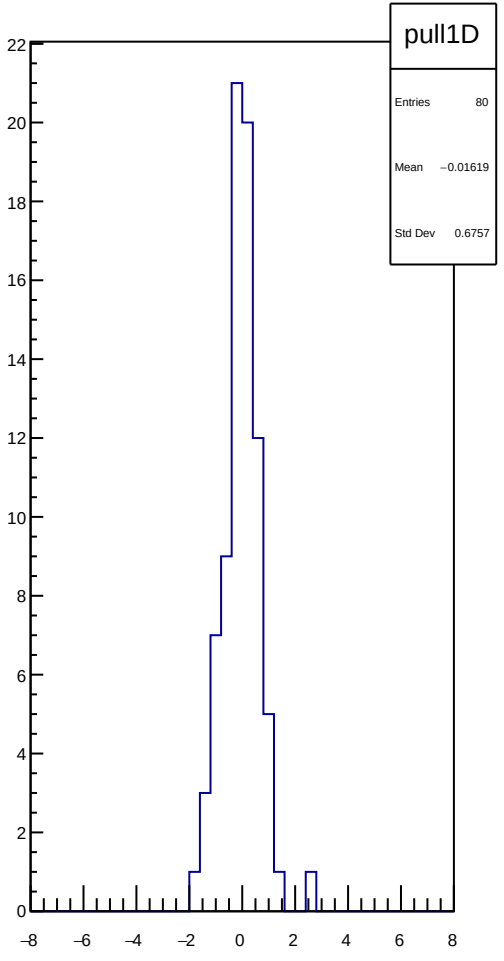

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 38.77 / 79
p0 −19.96 ± 0.8113
pull
Entries 80
Mean 408
Std Dev 365.5
pull1D
Entries 80
Mean −0.01305
Std Dev 0.696

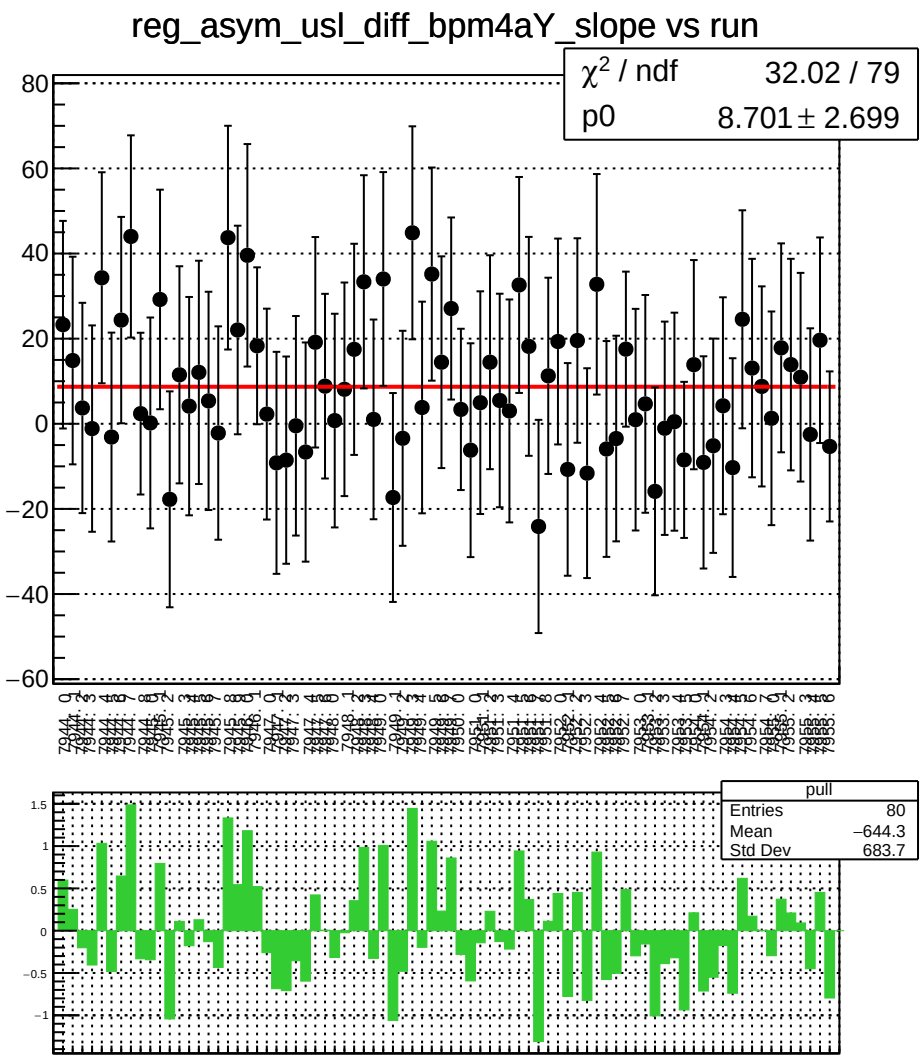

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 5.783 / 79
p0 6.967 ± 1.086
pull
Entries 80
Mean −1709
Std Dev 1754

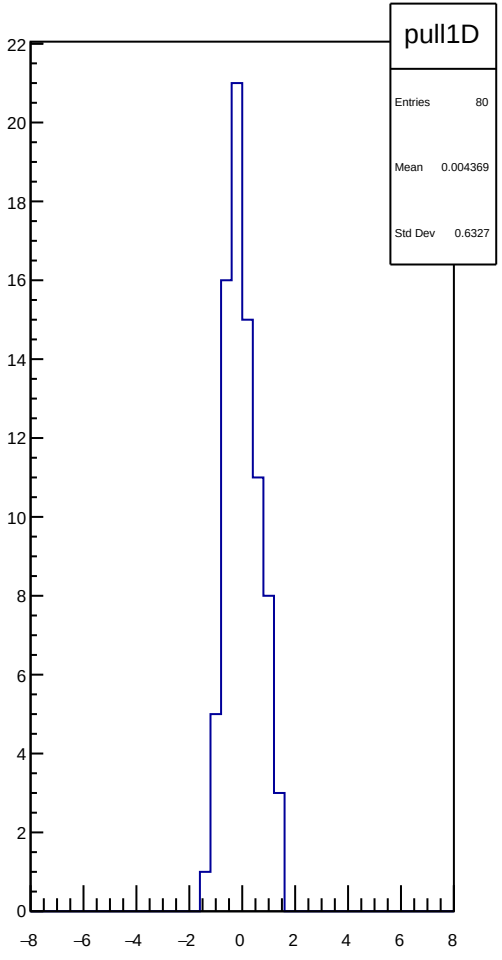

pull1D
Entries 80
Mean −0.0009018
Std Dev 0.2689

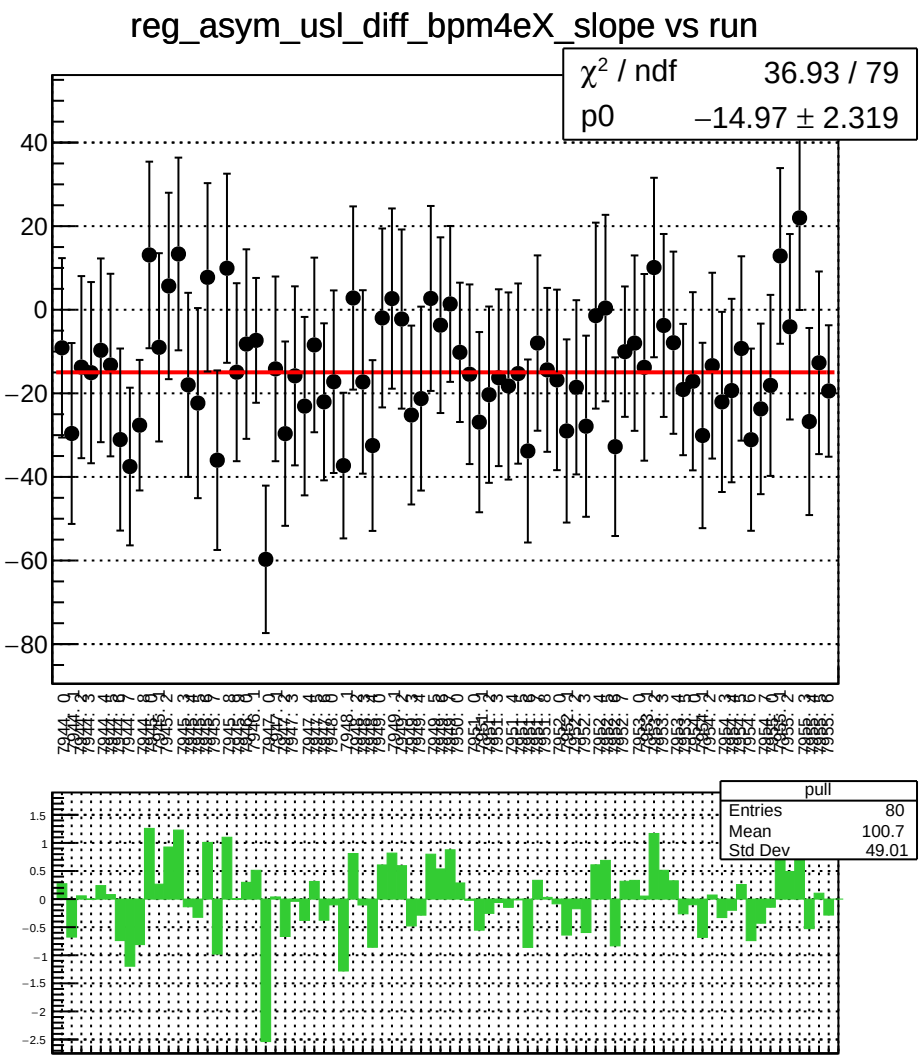

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 15.69 / 79
p0 −0.5852 ± 0.0306
pull
Entries 80
Mean −425.3
Std Dev 466.3
pull1D
Entries 80
Mean −0.01283
Std Dev 0.4427

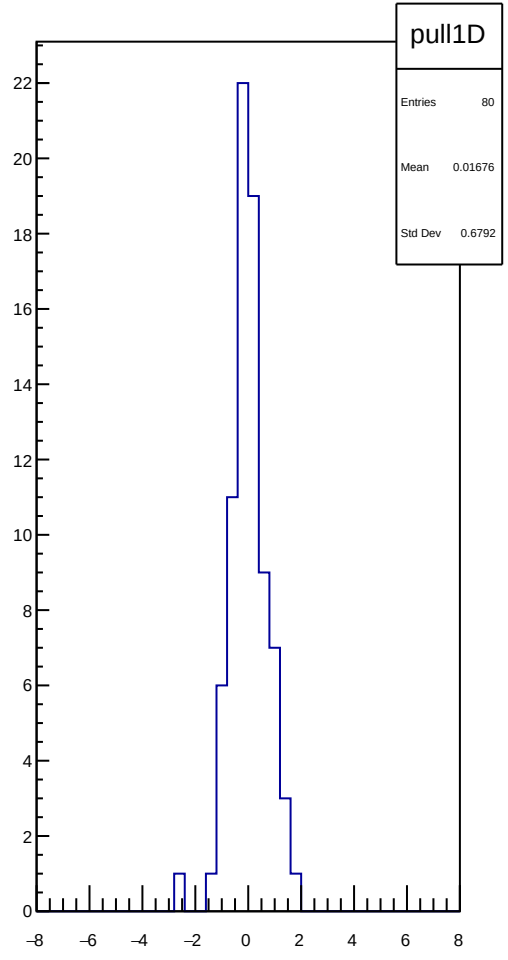

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 36.55 / 79
p0 −48.77 ± 2.612
pull
Entries 80
Mean 87.4
Std Dev 38.27

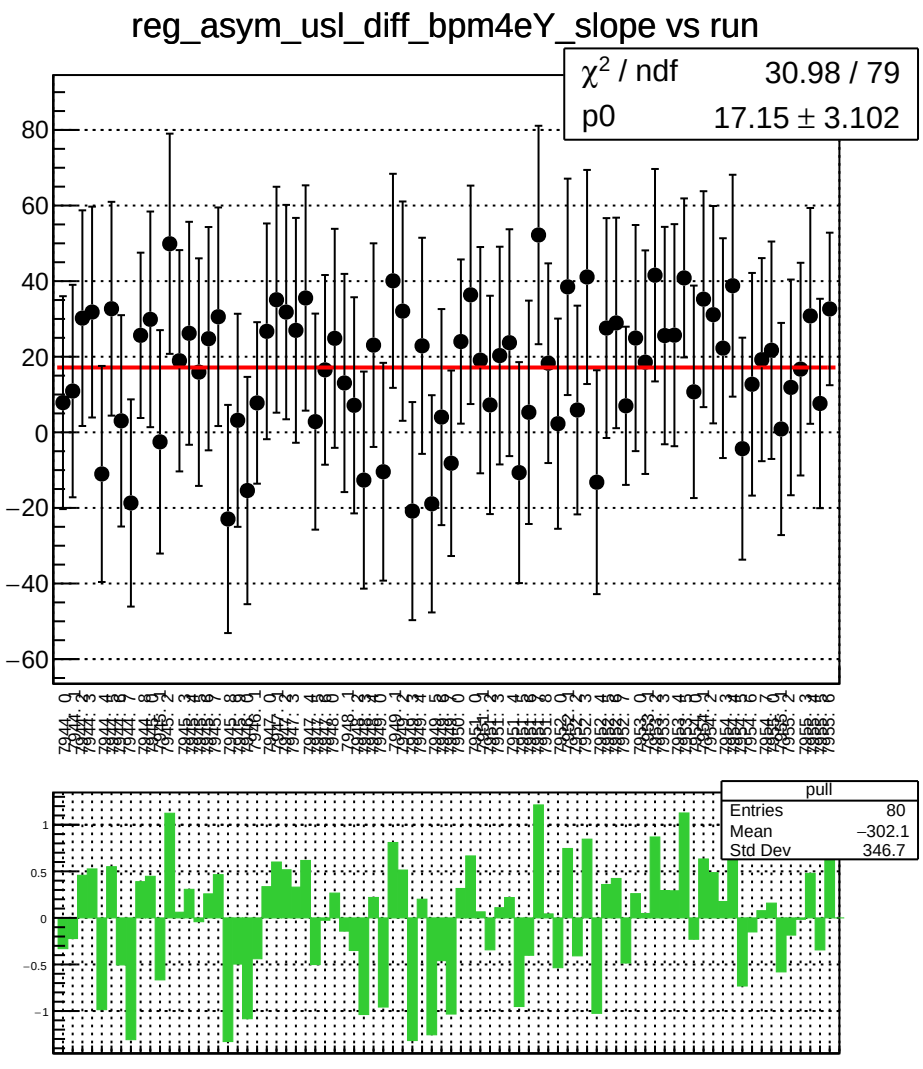

pull1D
Entries 80
Mean −0.01619
Std Dev 0.6757

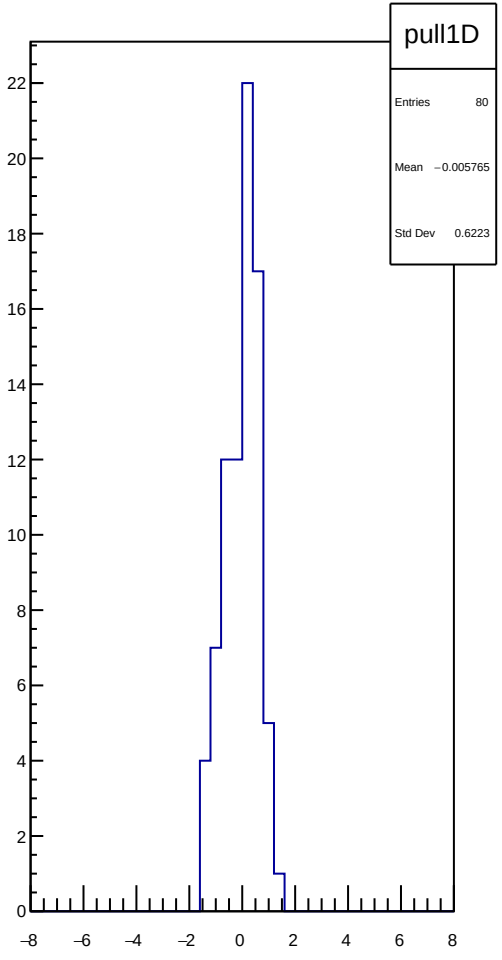

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 32.02 / 79
p0 8.701 ± 2.699
pull
Entries 80
Mean −644.3
Std Dev 683.7

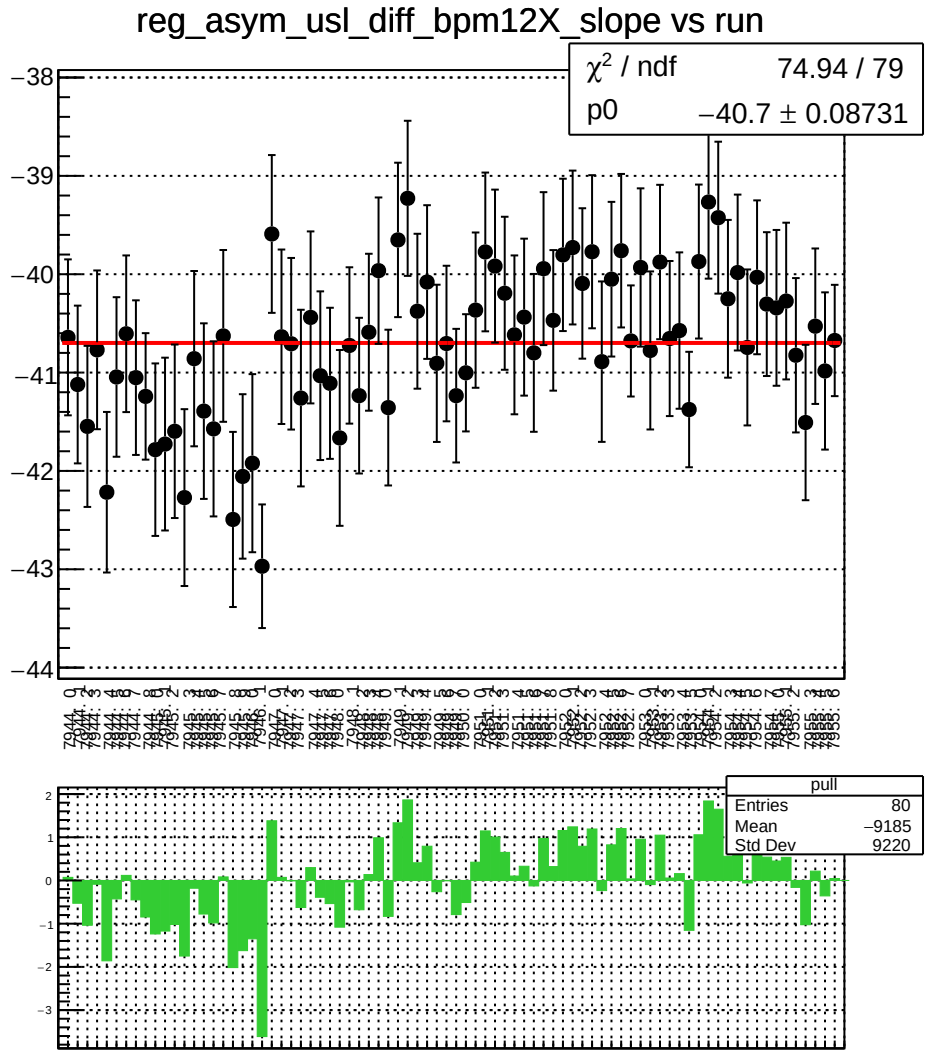

pull1D
Entries 80
Mean 0.004369
Std Dev 0.6327

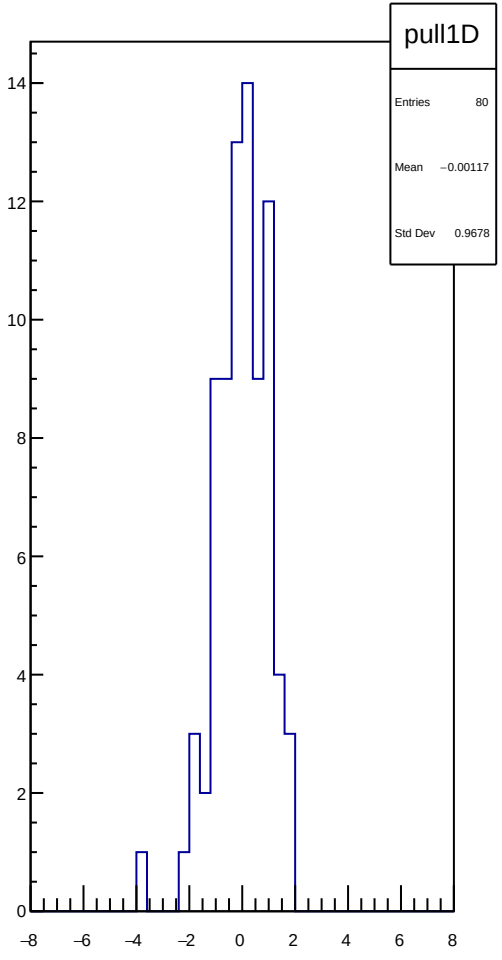

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 36.93 / 79
p0 −14.97 ± 2.319
pull
Entries 80
Mean 100.7
Std Dev 49.01

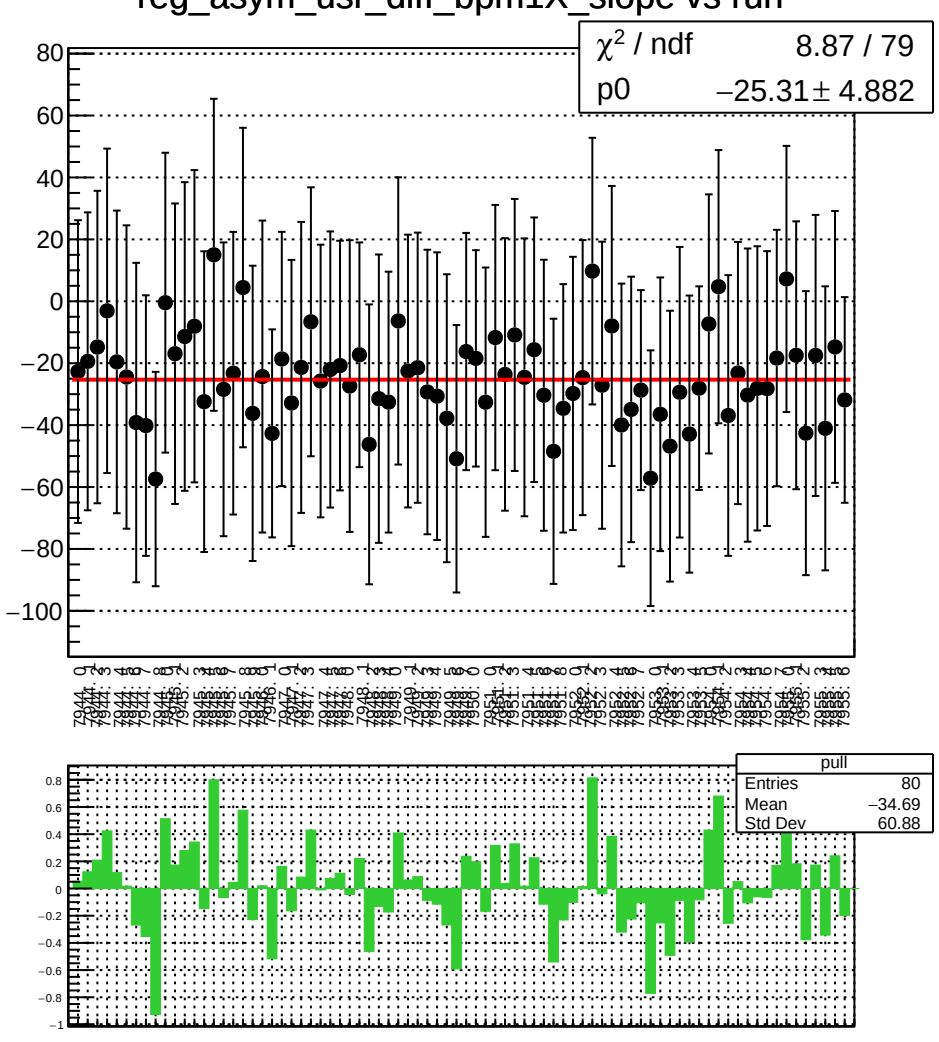

pull1D
Entries 80
Mean 0.01676
Std Dev 0.6792

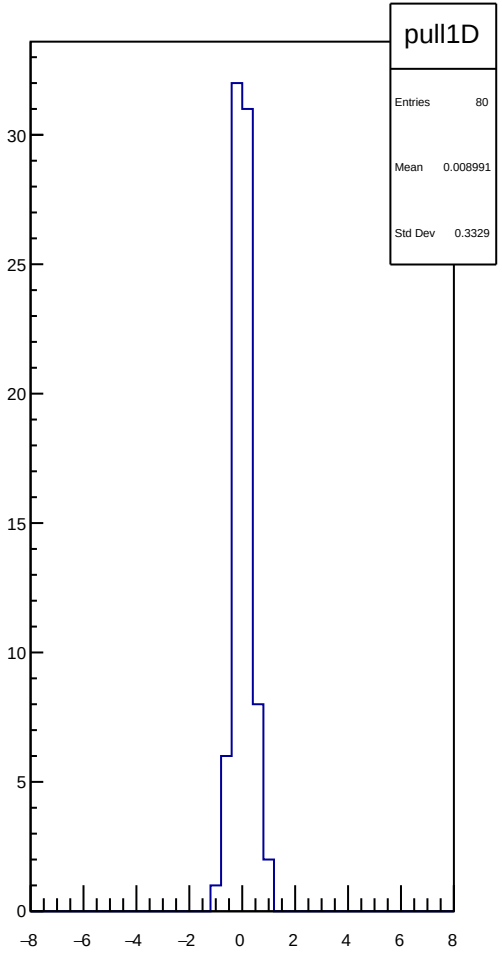

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 30.98 / 79
p0 17.15 ± 3.102
pull
Entries 80
Mean −302.1
Std Dev 346.7

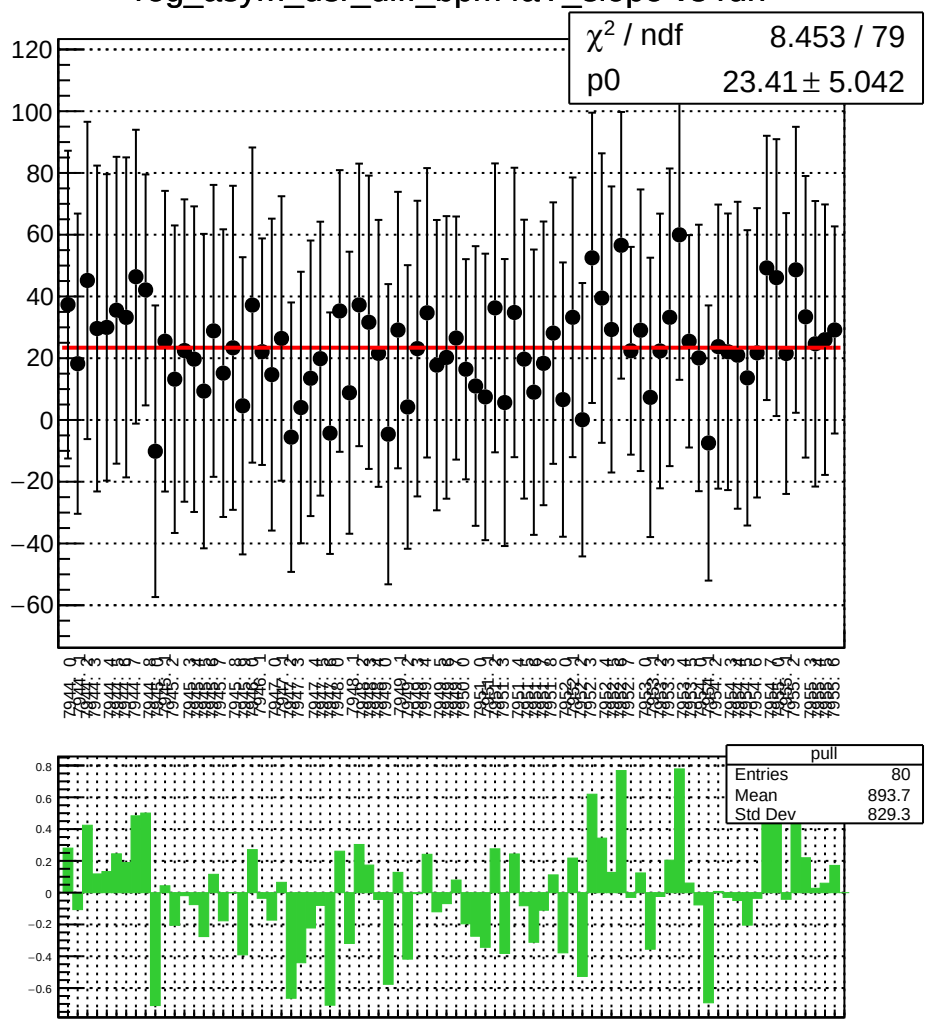

pull1D
Entries 80
Mean −0.005765
Std Dev 0.6223

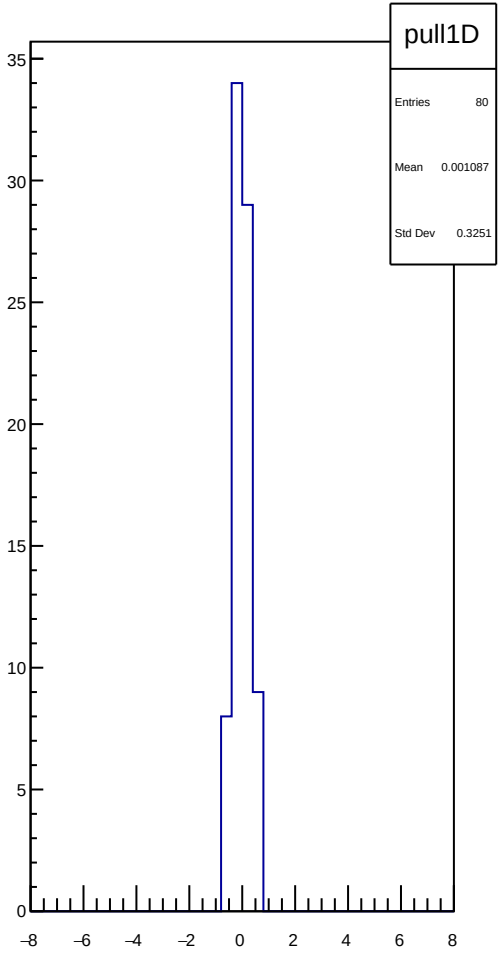

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 74.94 / 79
p0 −40.7 ± 0.08731
pull
Entries 80
Mean −9185
Std Dev 9220

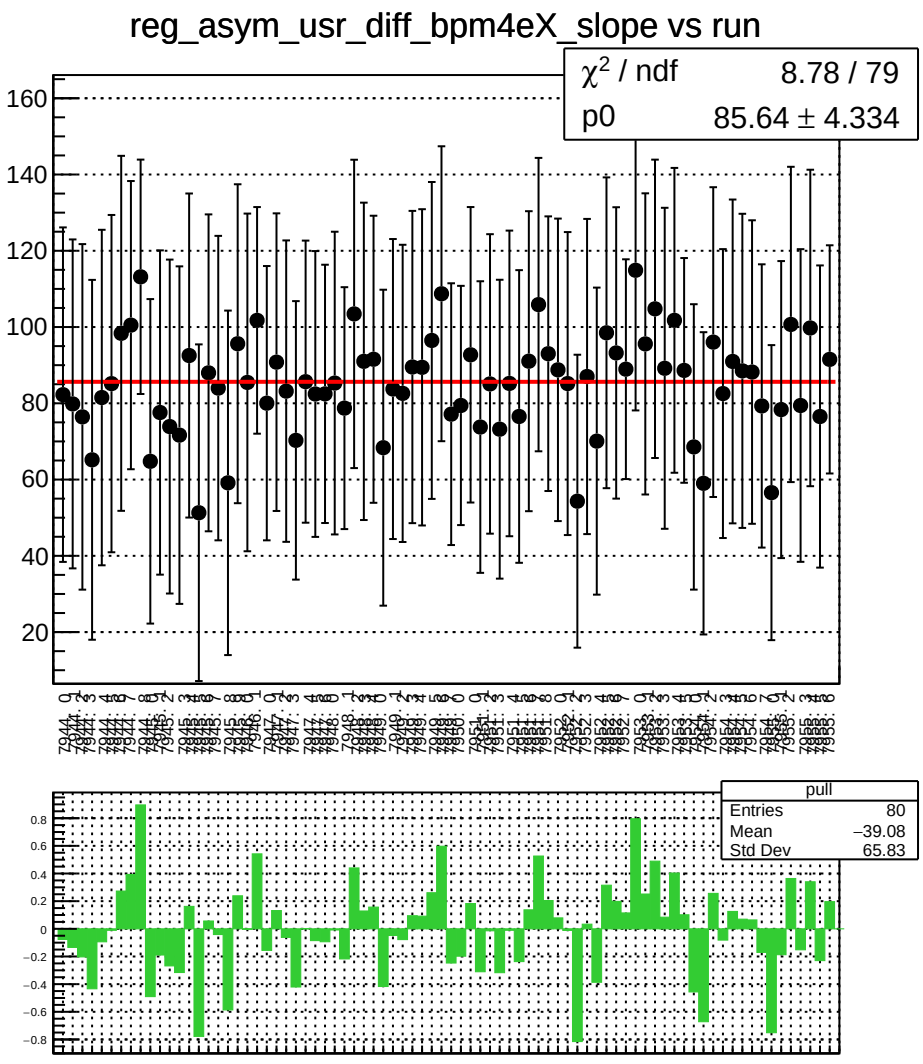

pull1D
Entries 80
Mean −0.00117
Std Dev 0.9678

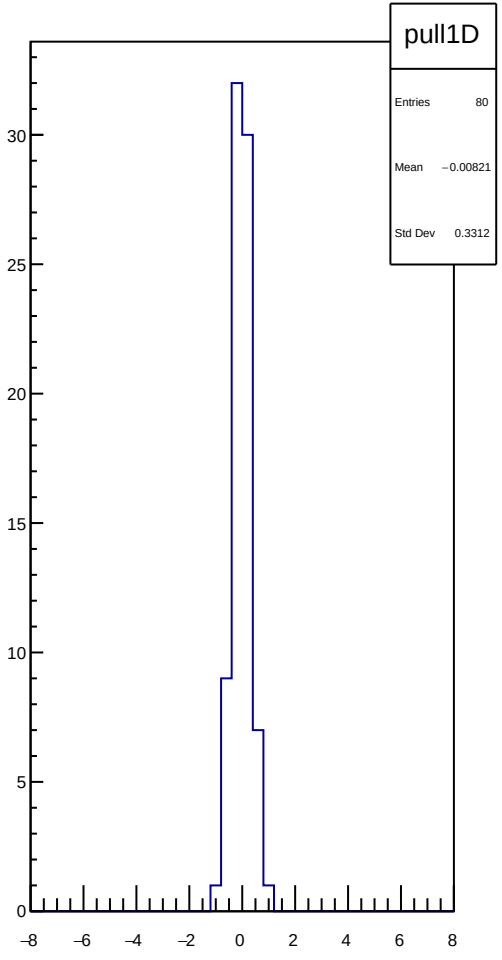

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 8.87 / 79
p0 −25.31 ± 4.882
pull
Entries 80
Mean −34.69
Std Dev 60.88

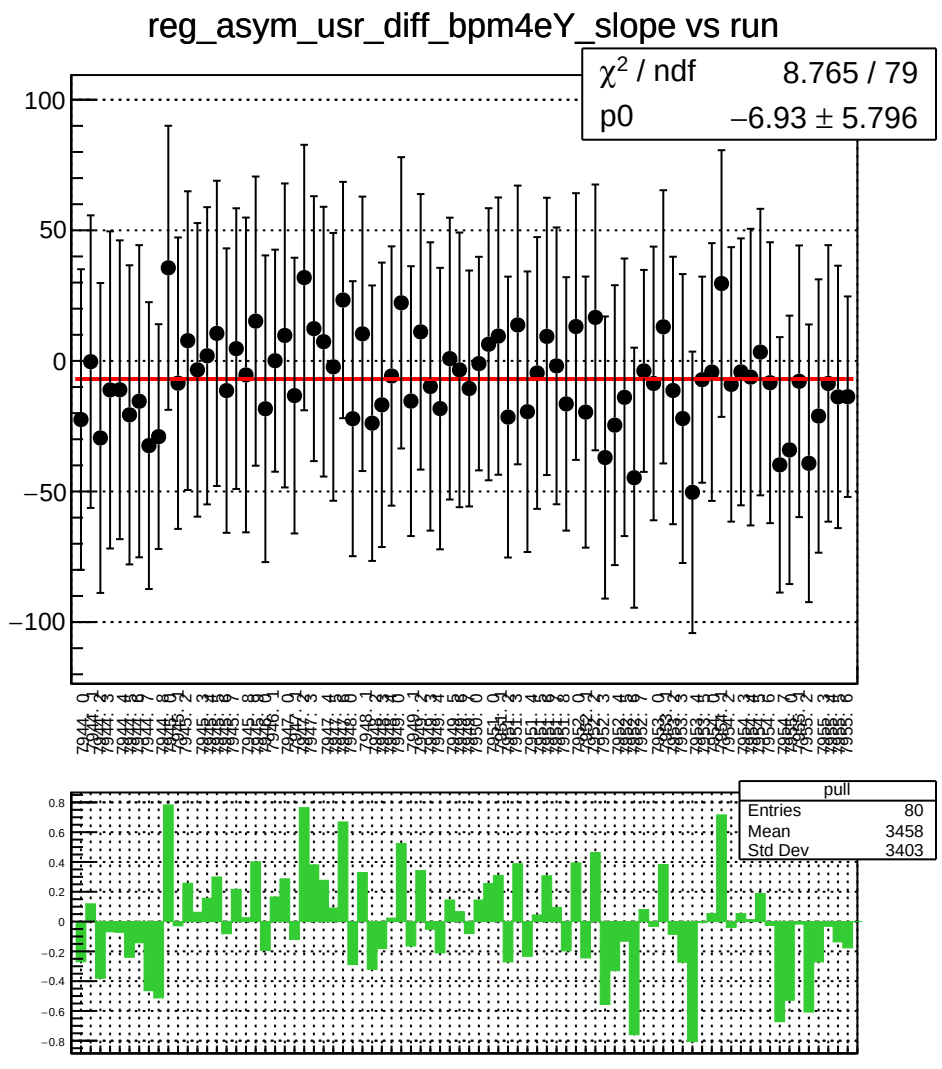

pull1D
Entries 80
Mean 0.008991
Std Dev 0.3329

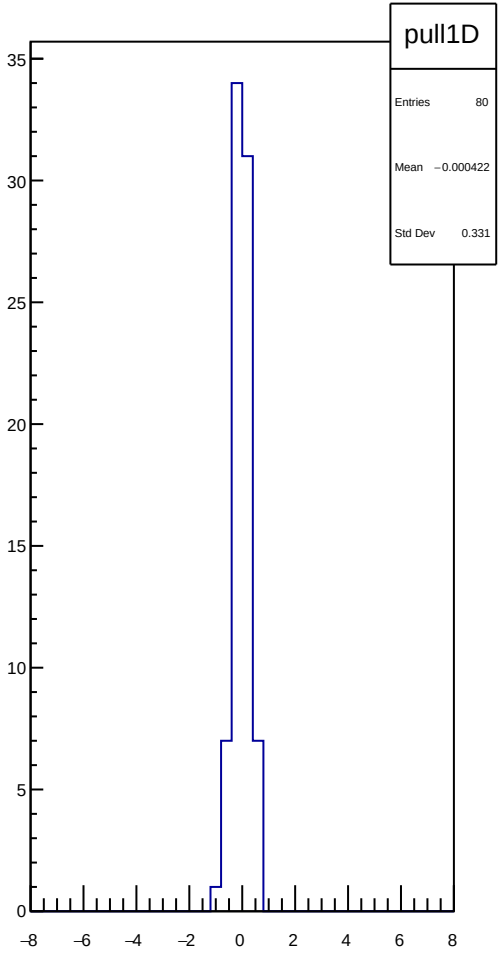

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 8.453 / 79
p0 23.41 ± 5.042
pull
Entries 80
Mean 893.7
Std Dev 829.3

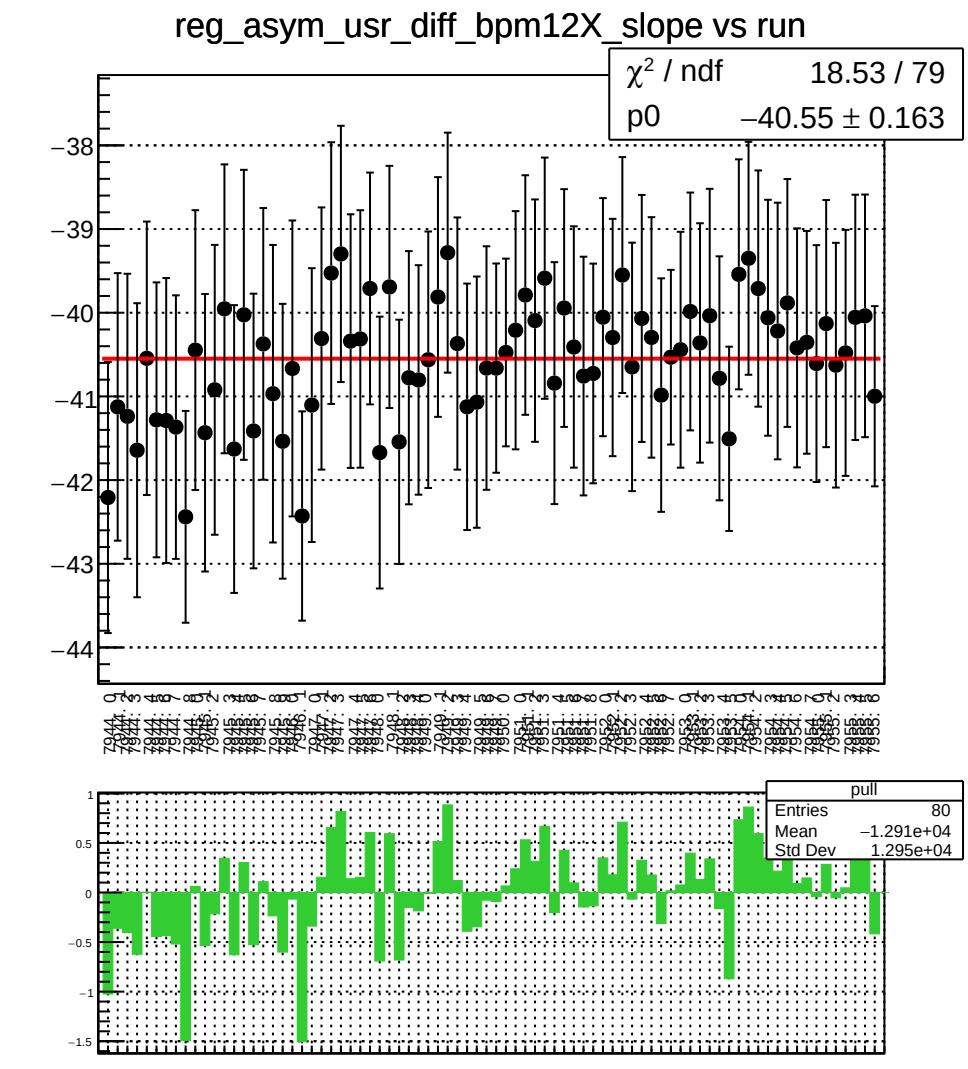

pull1D
Entries 80
Mean 0.001087
Std Dev 0.3251

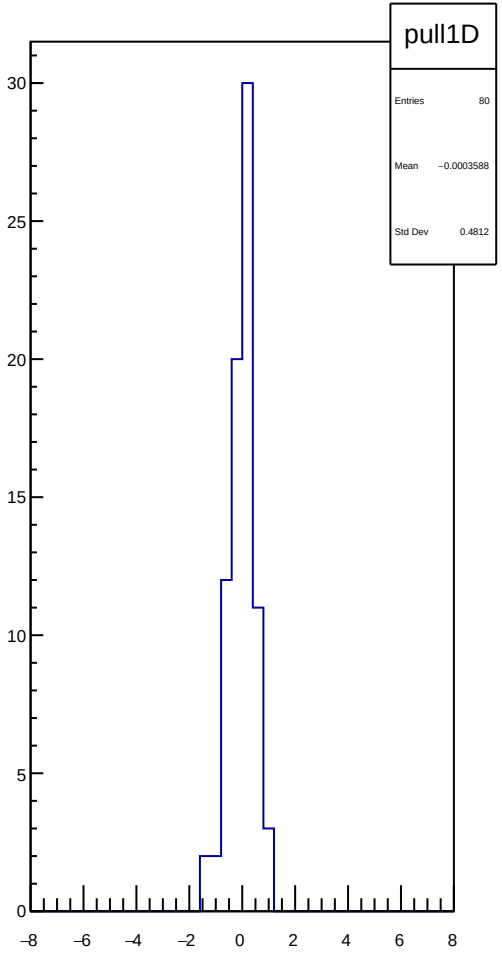

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 8.78 / 79
p0 85.64 ± 4.334
pull
Entries 80
Mean −39.08
Std Dev 65.83

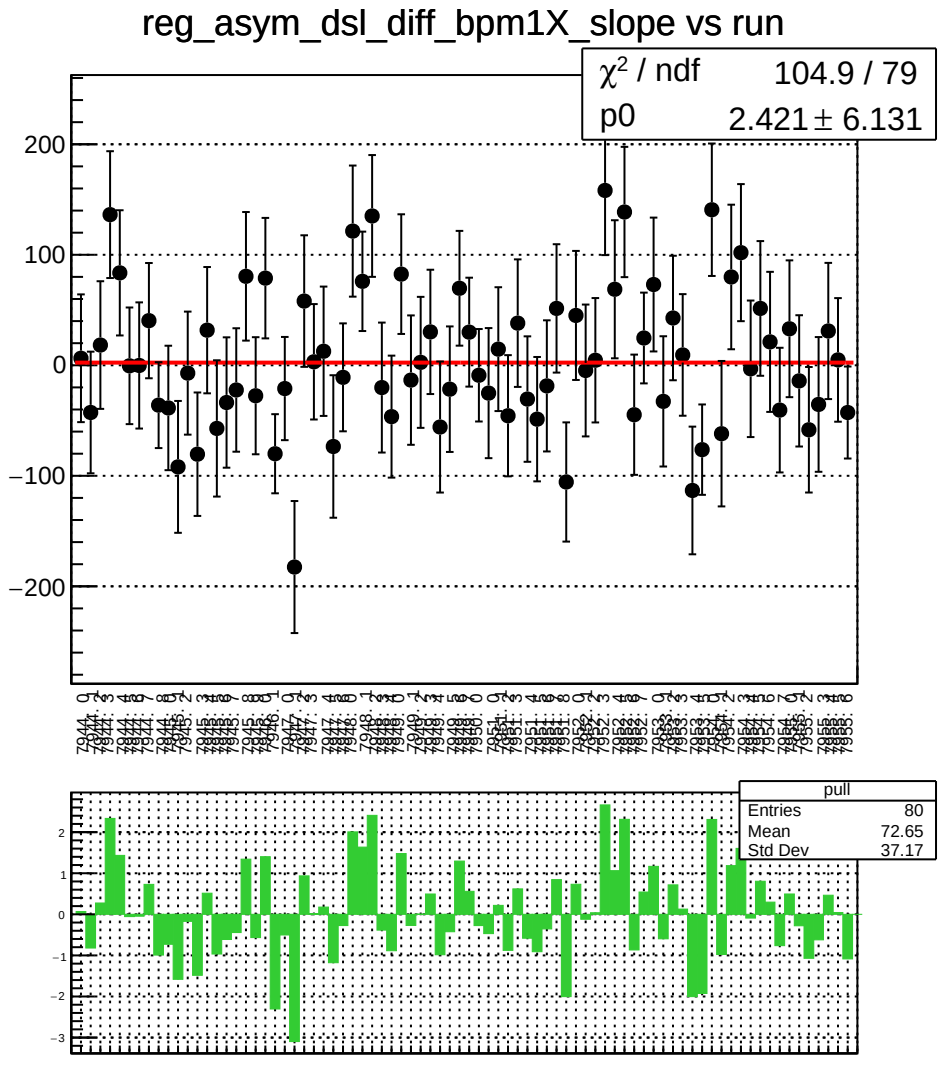

pull1D
Entries 80
Mean −0.00821
Std Dev 0.3312

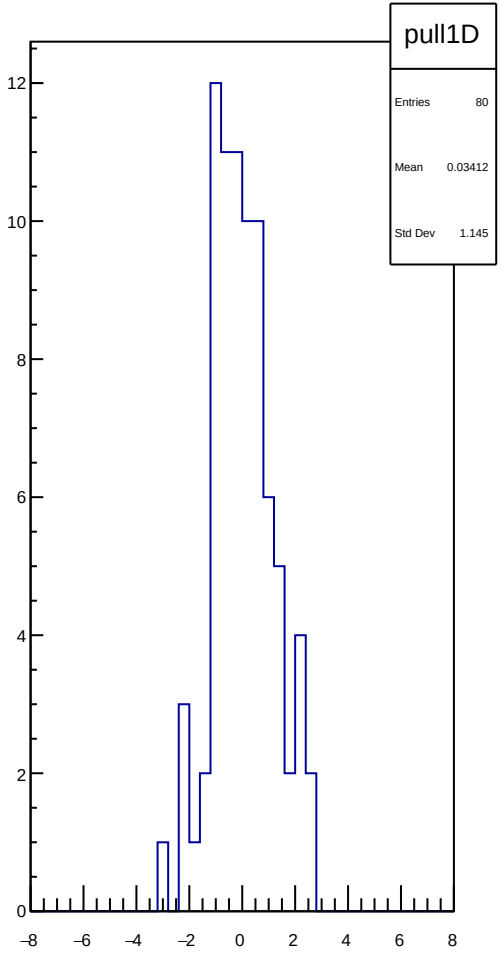

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 8.765 / 79
p0 −6.93 ± 5.796
pull
Entries 80
Mean 3458
Std Dev 3403

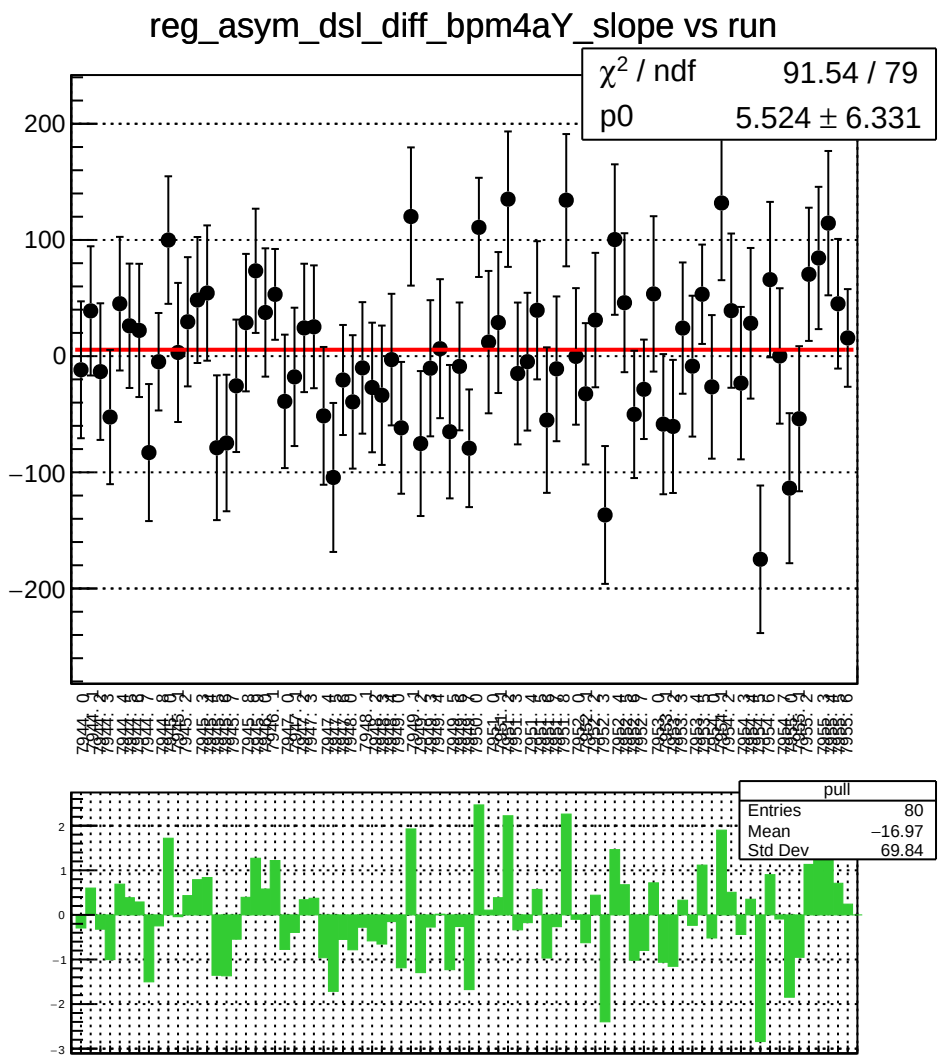

pull1D
Entries 80
Mean −0.000422
Std Dev 0.331

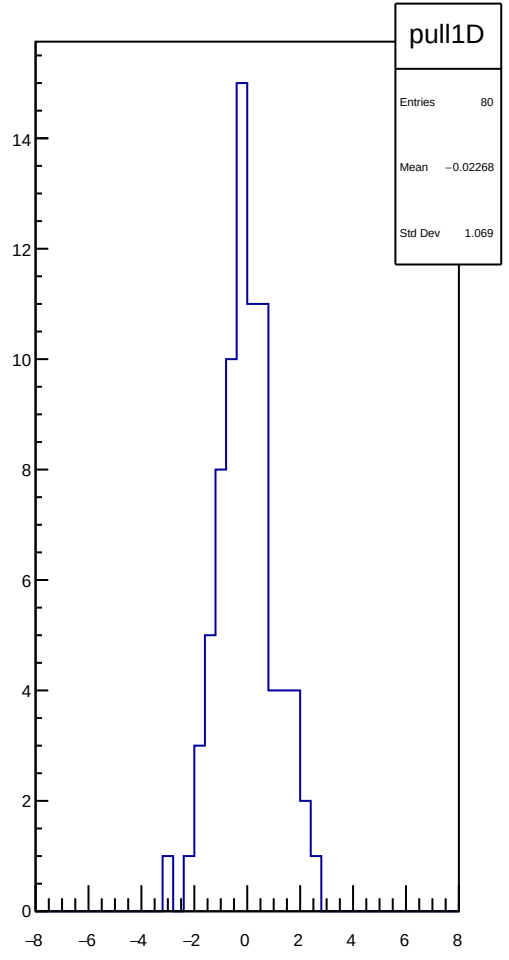

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 18.53 / 79
p0 −40.55 ± 0.163
pull
Entries 80
Mean −1.291e+04
Std Dev 1.295e+04

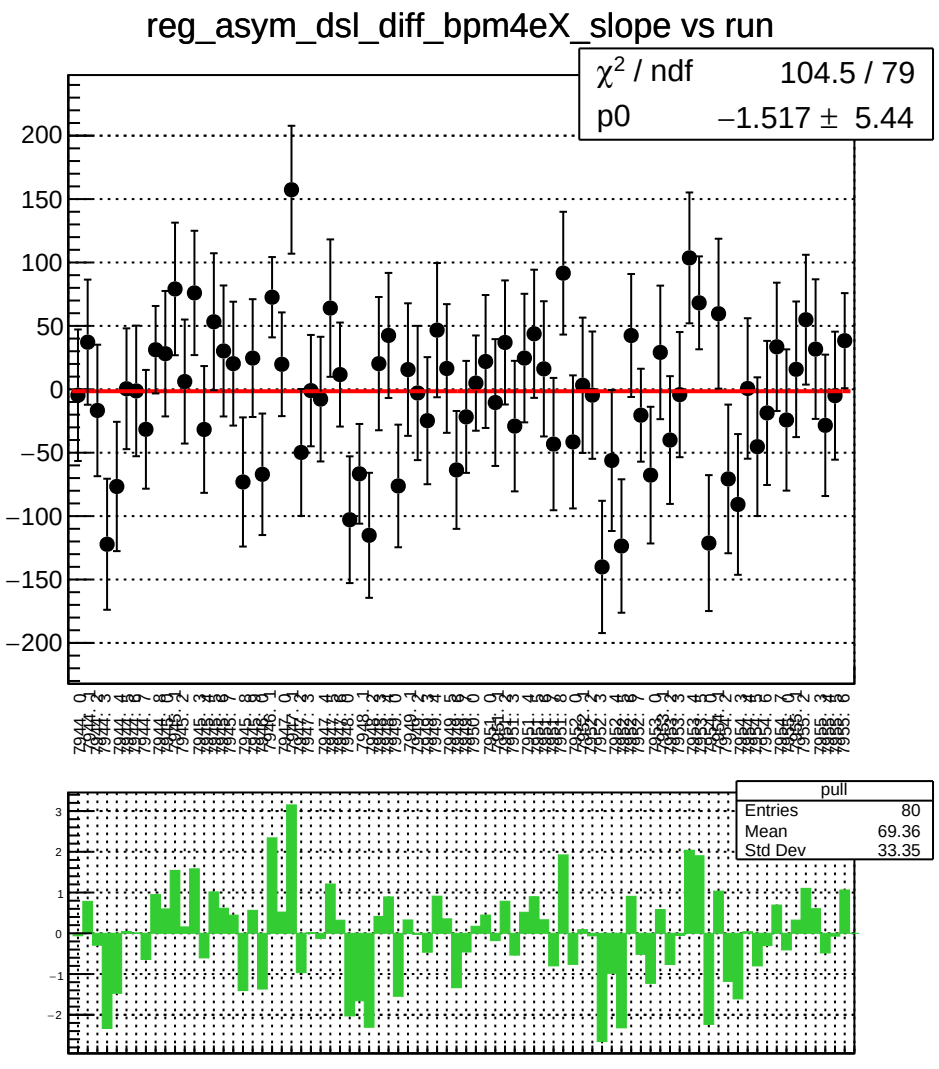

pull1D
Entries 80
Mean −0.0003588
Std Dev 0.4812

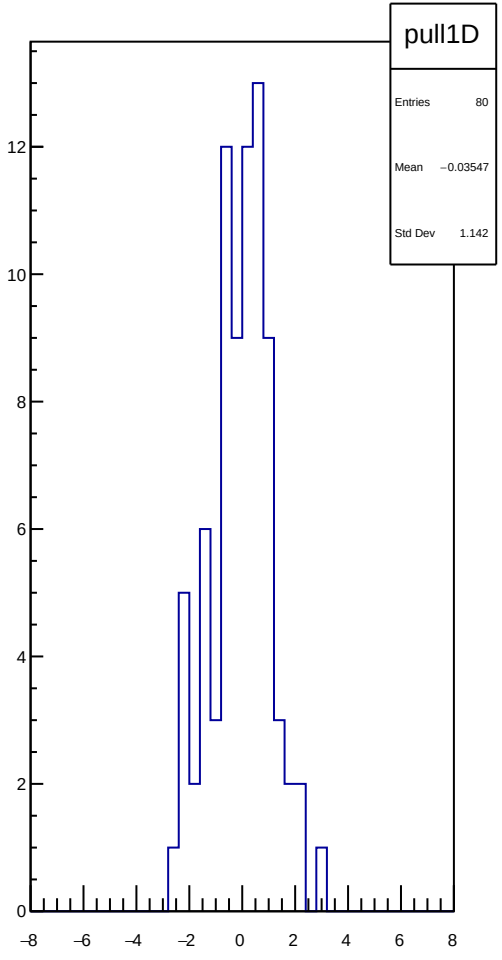

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 104.9 / 79
p0 2.421 ± 6.131
200
100
0
−100
−200
pull
Entries 80
Mean 72.65
Std Dev 37.17
2
1
0
−1
−2
−3

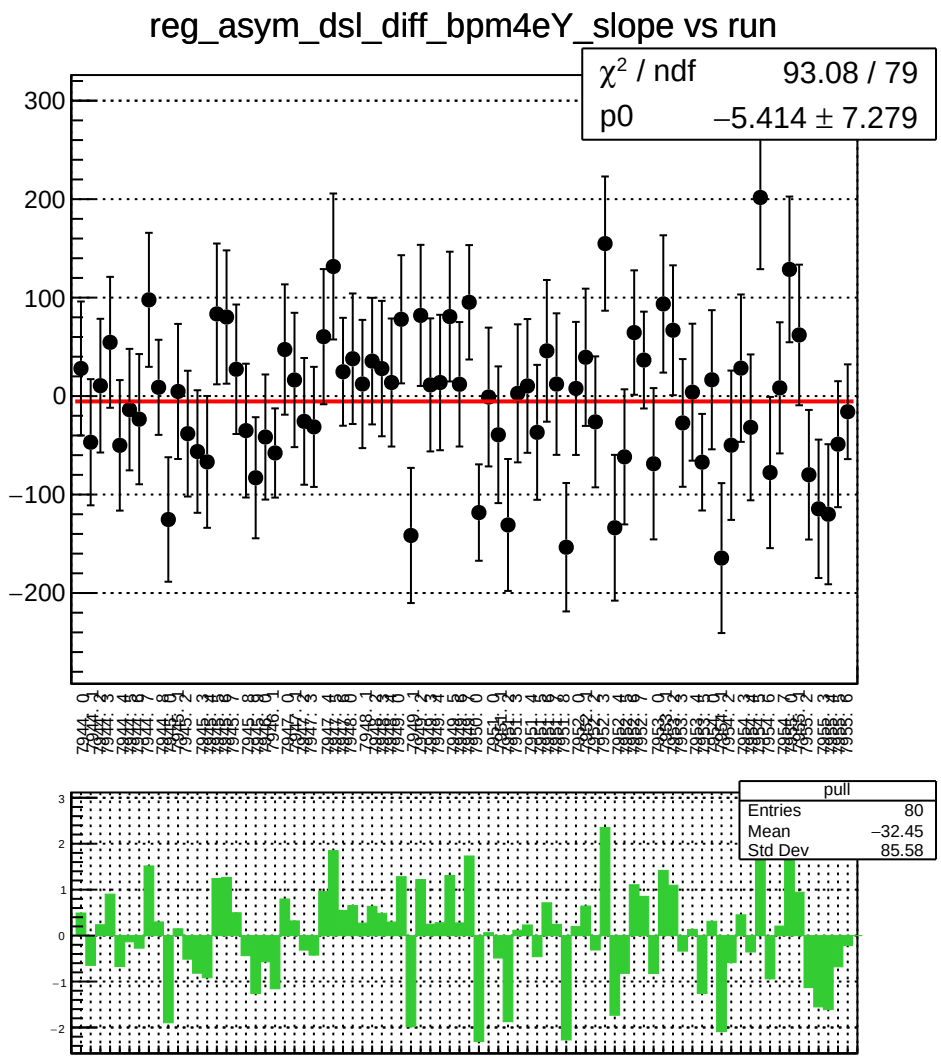

pull1D
Entries 80
Mean 0.03412
Std Dev 1.145
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

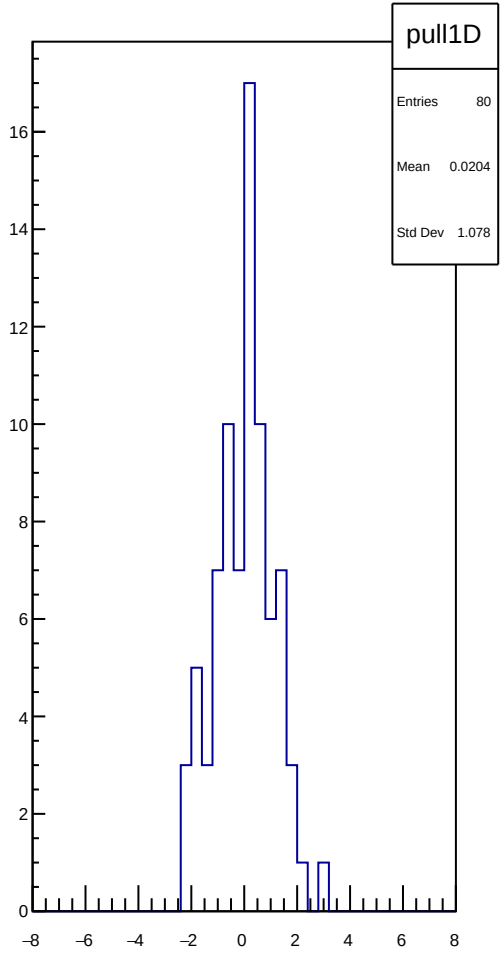

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 91.54 / 79
p0 5.524 ± 6.331
200
100
0
−100
−200
pull
Entries 80
Mean −16.97
Std Dev 69.84
2
1
0
−1
−2
−3

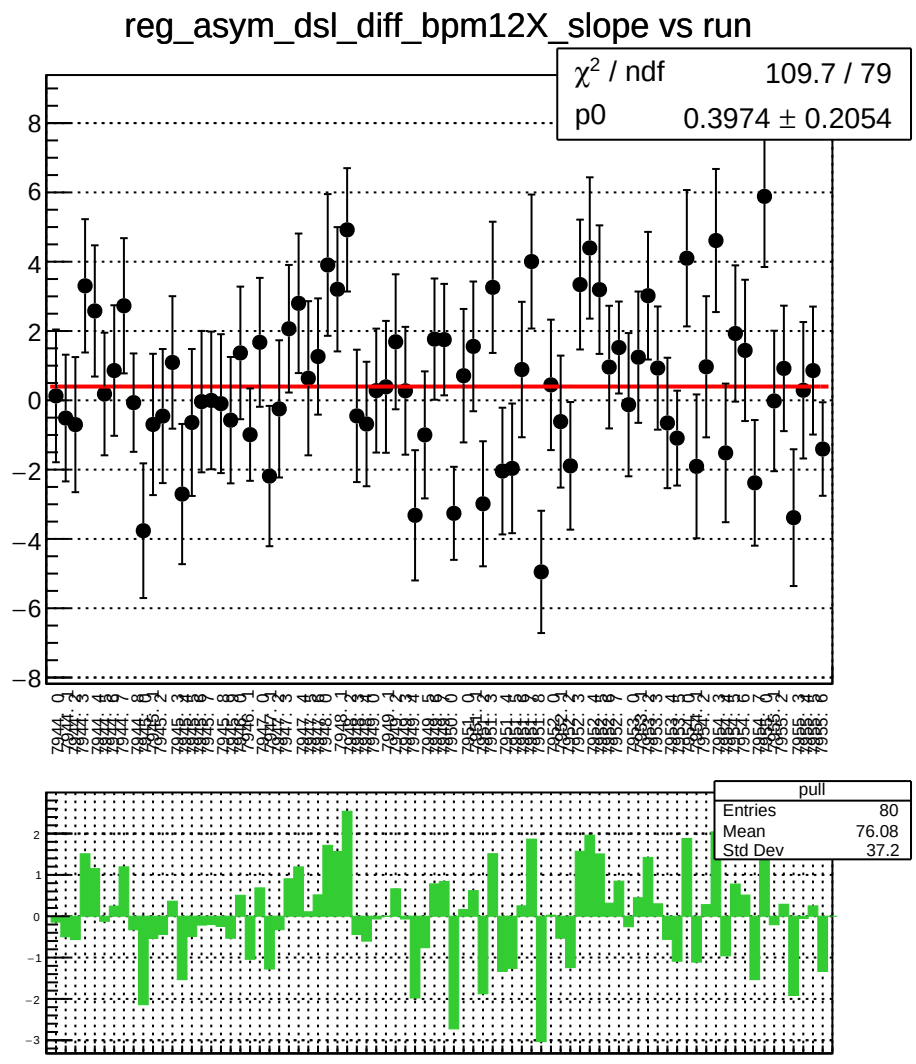

pull1D
Entries 80
Mean −0.02268
Std Dev 1.069
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

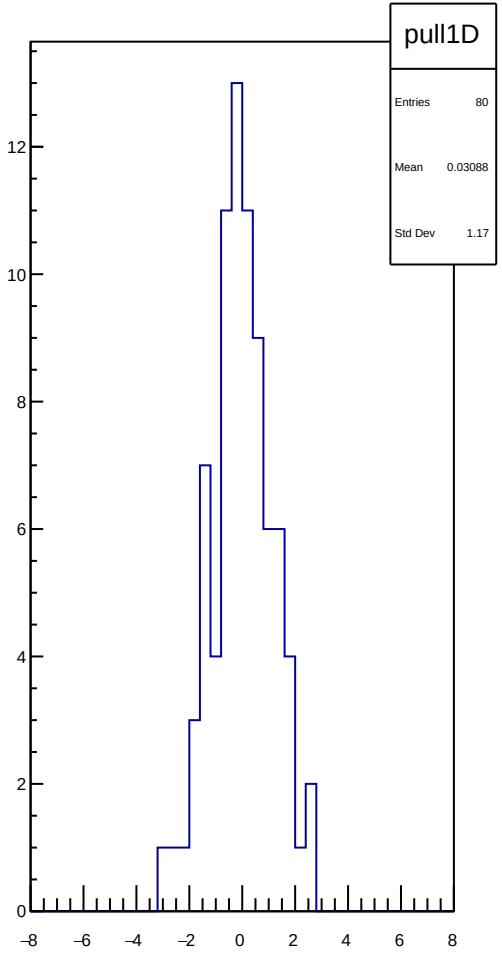

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 104.5 / 79
p0 −1.517 ± 5.44
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 69.36
Std Dev 33.35
3
2
1
0
−1
−2

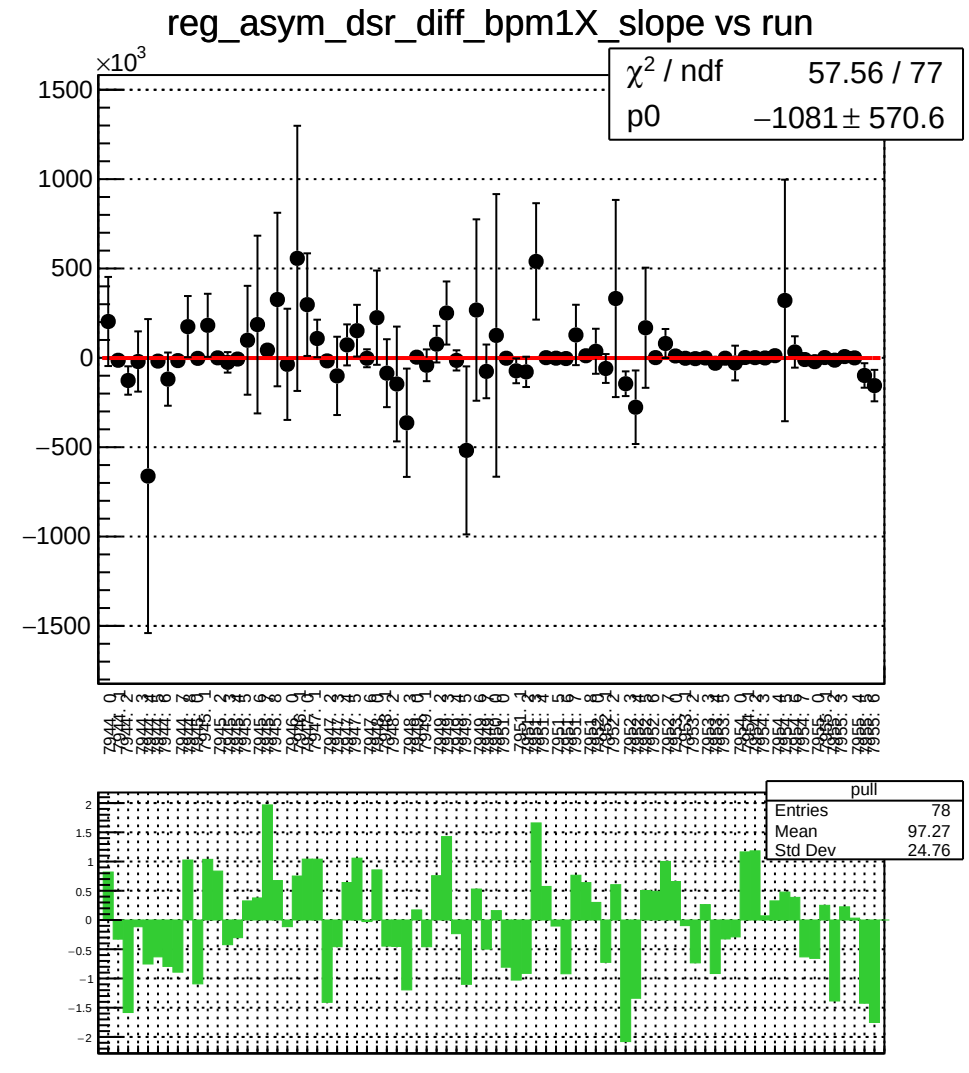

pull1D
Entries 80
Mean −0.03547
Std Dev 1.142
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

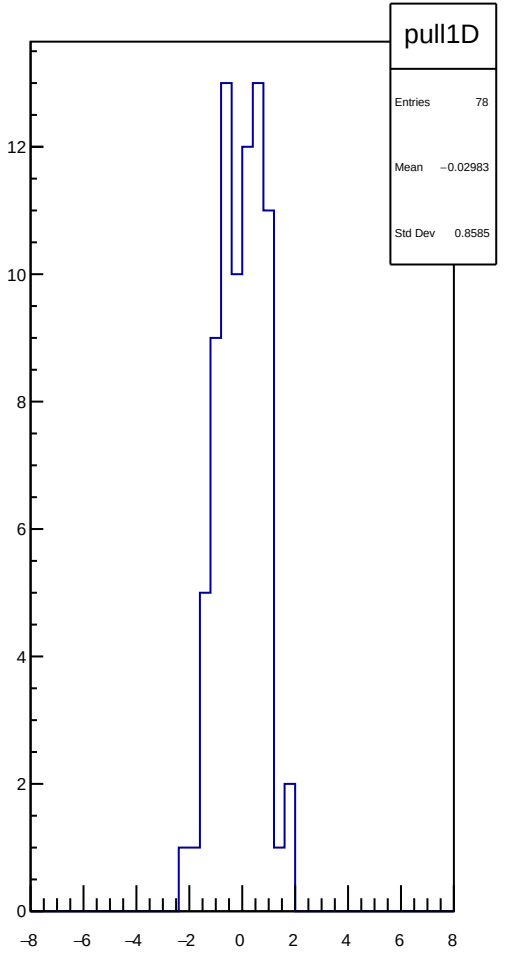

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 93.08 / 79
p0 −5.414 ± 7.279
300
200
100
0
−100
−200
pull
Entries 80
Mean −32.45
Std Dev 85.58
3
2
1
0
−1
−2

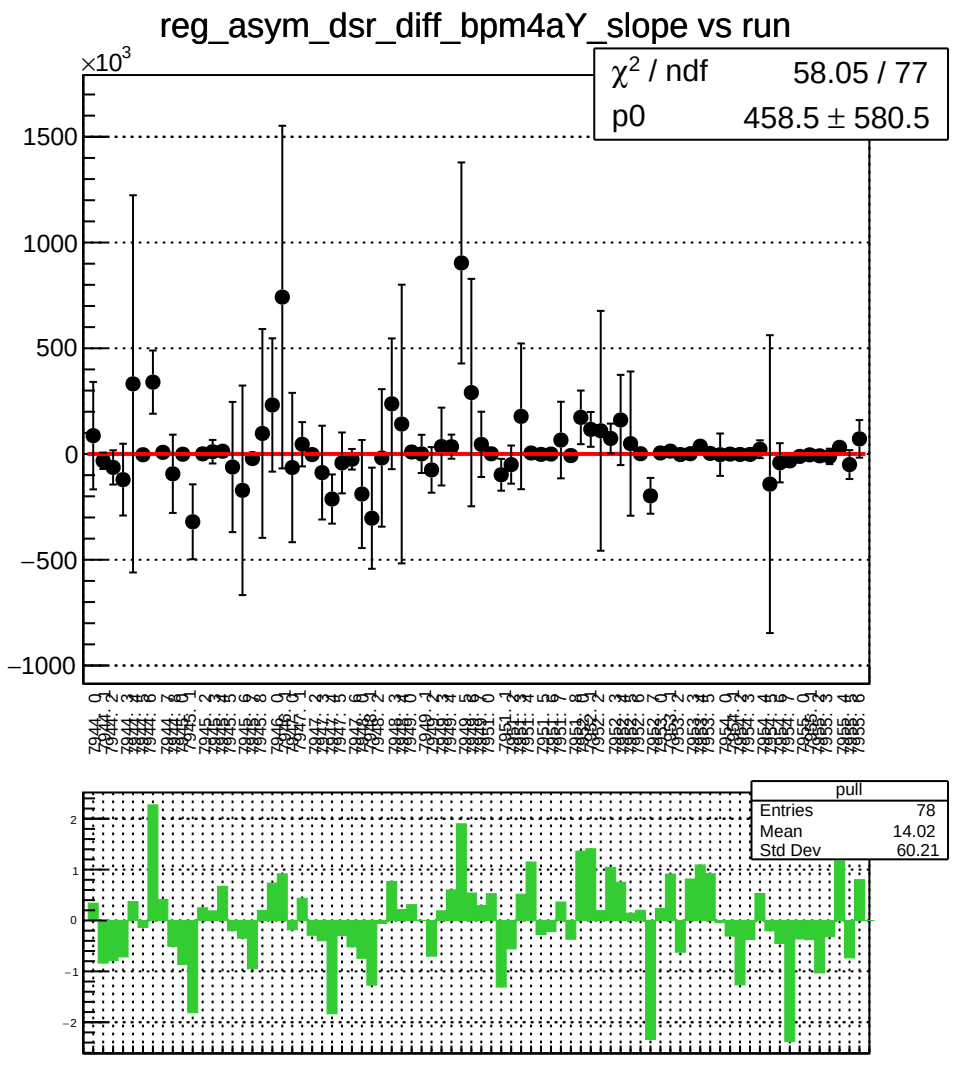

pull1D
Entries 80
Mean 0.0204
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

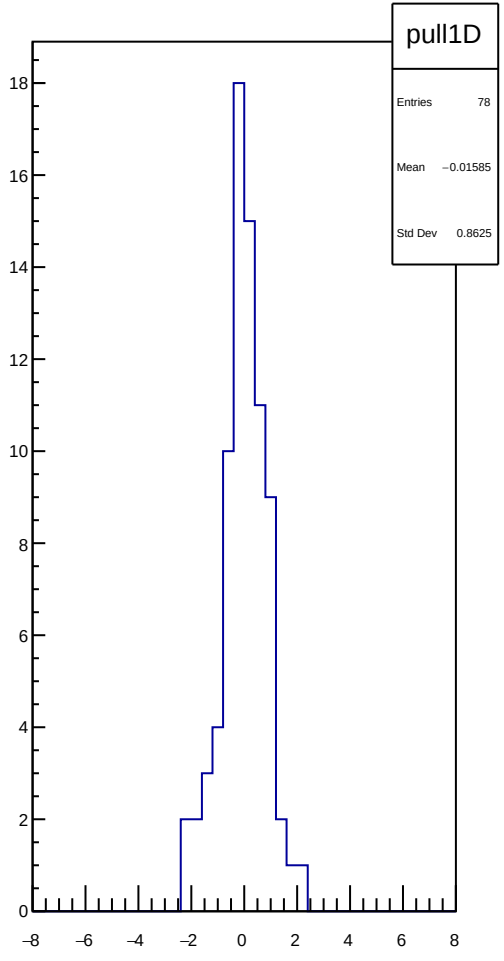

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 109.7 / 79
p0 0.3974 ± 0.2054
pull
Entries 80
Mean 76.08
Std Dev 37.2

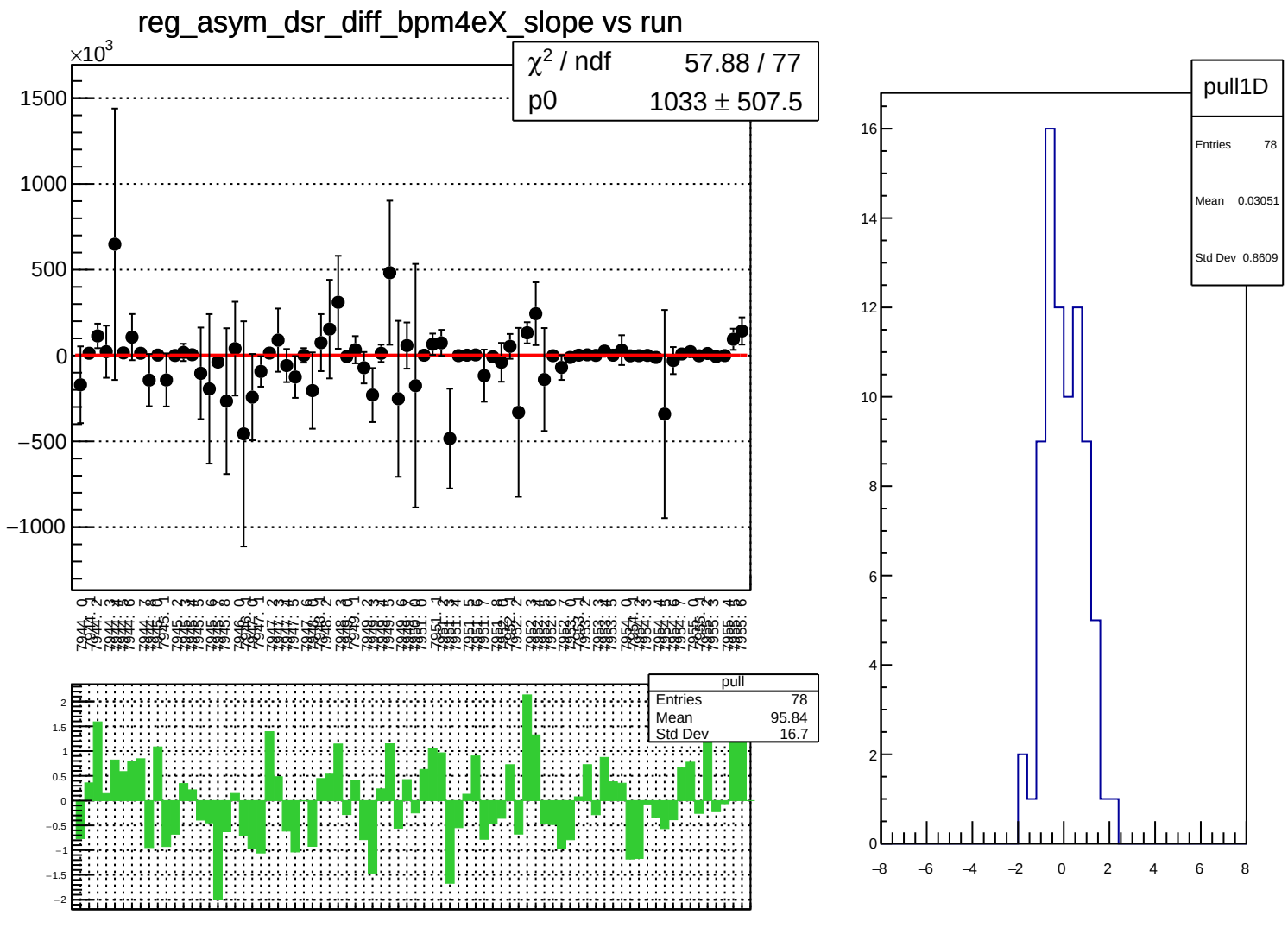

pull1D
Entries 80
Mean 0.03088
Std Dev 1.17

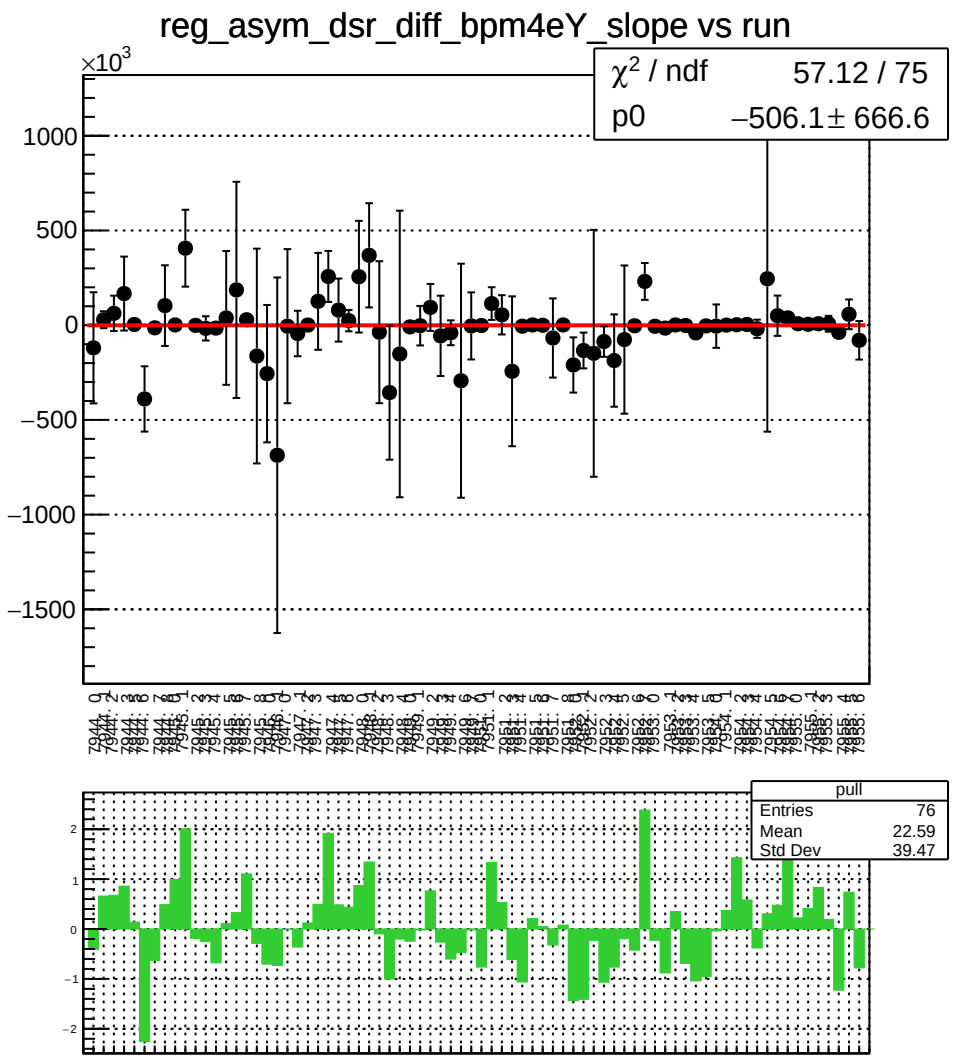

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ² / ndf 57.56 / 77
p0 −1081 ± 570.6
pull
Entries 78
Mean 97.27
Std Dev 24.76

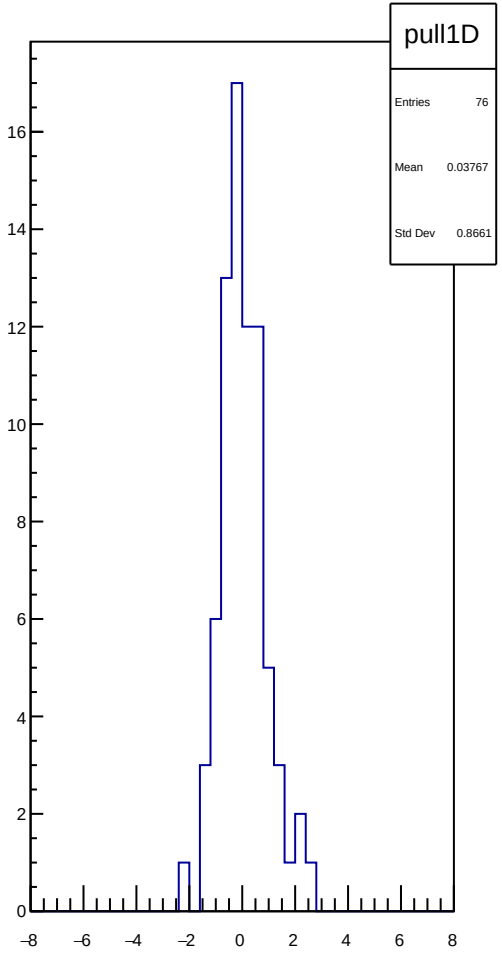

pull1D
Entries 78
Mean −0.02983
Std Dev 0.8585

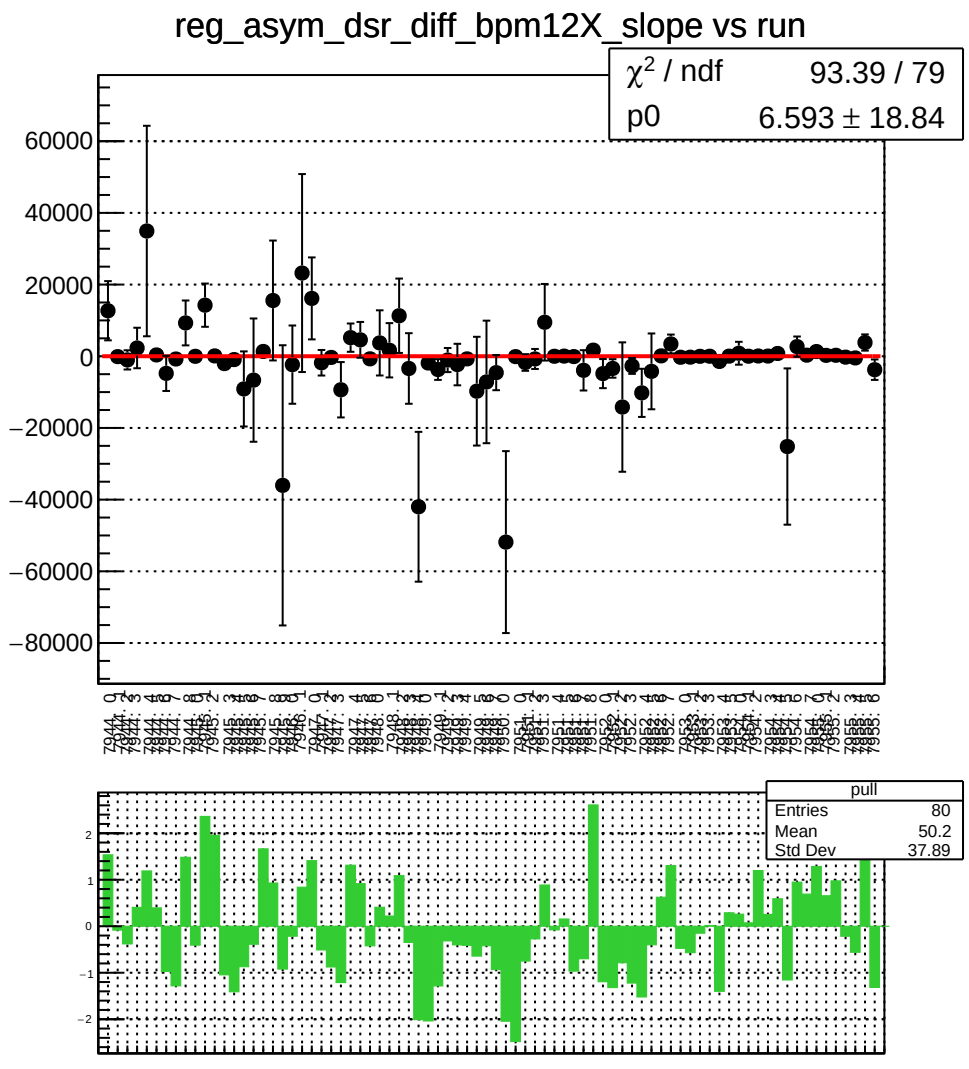

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 58.05 / 77
p0 458.5 ± 580.5
1500
1000
500
0
−500
−1000
pull
Entries 78
Mean 14.02
Std Dev 60.21
2
1
0
−1
−2

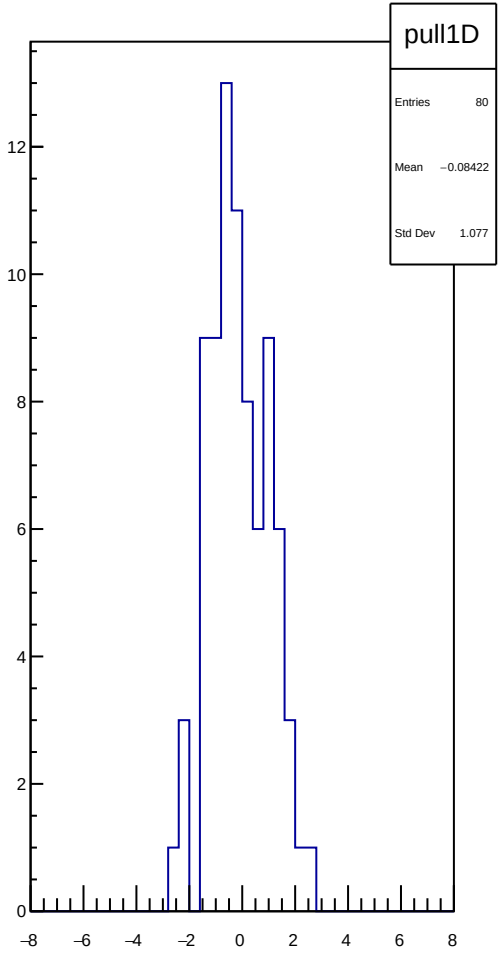

pull1D
Entries 78
Mean −0.01585
Std Dev 0.8625
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

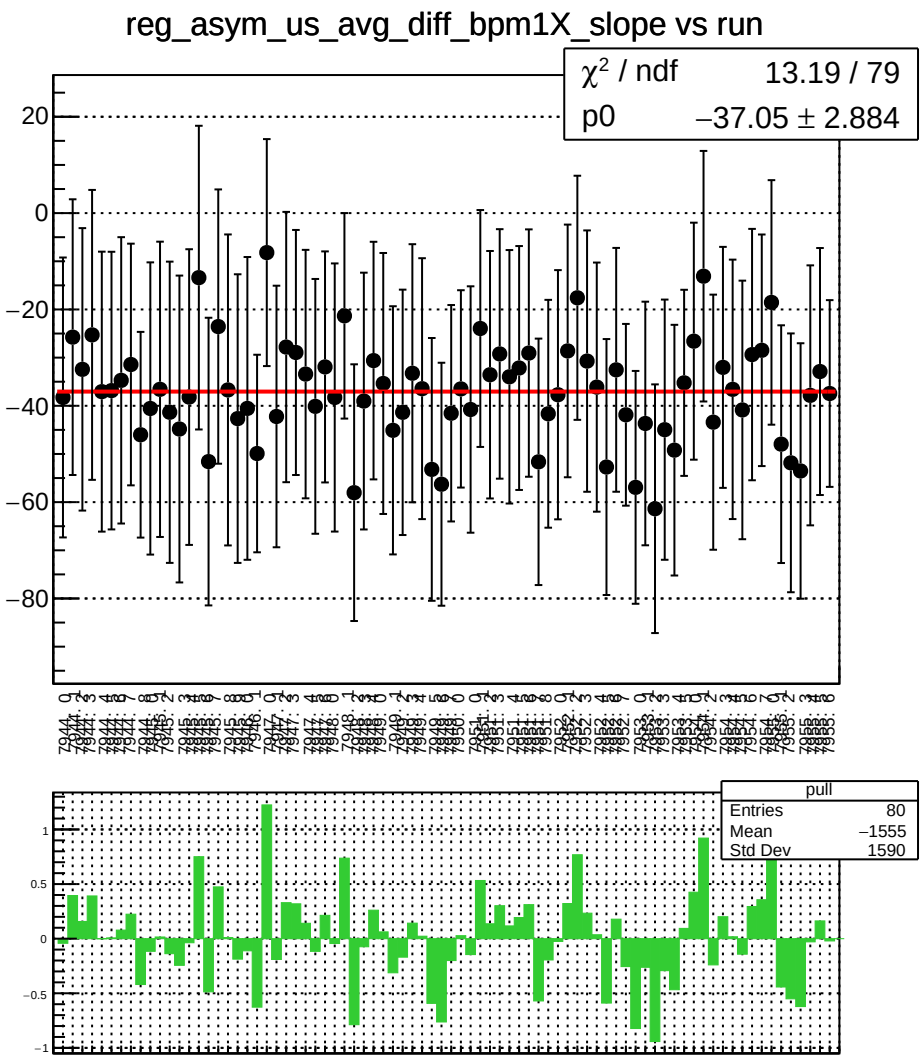

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 57.88 / 77
p0 1033 ± 507.5
1500
1000
500
0
−500
−1000
pull
Entries 78
Mean 95.84
Std Dev 16.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean 0.03051
Std Dev 0.8609
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

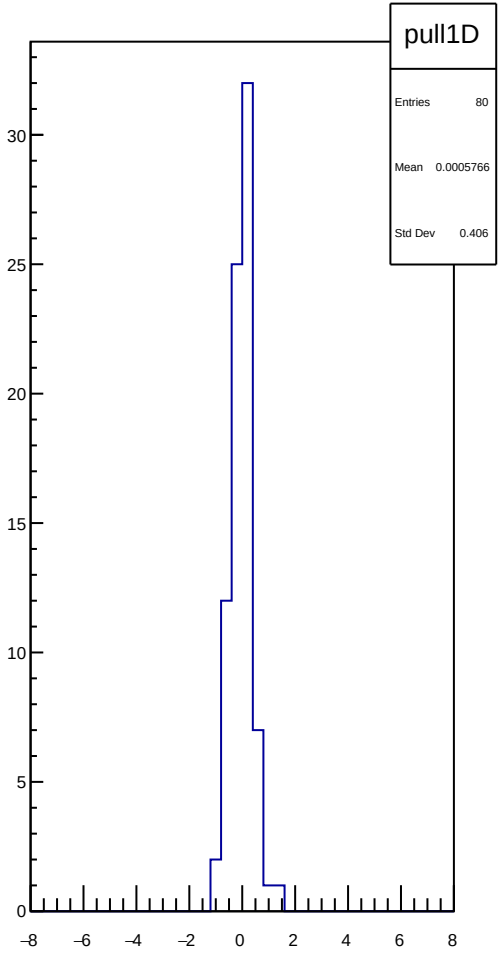

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 57.12 / 75
p0 −506.1 ± 666.6
1000
500
0
−500
−1000
−1500
pull
Entries 76
Mean 22.59
Std Dev 39.47
2
1
0
−1
−2

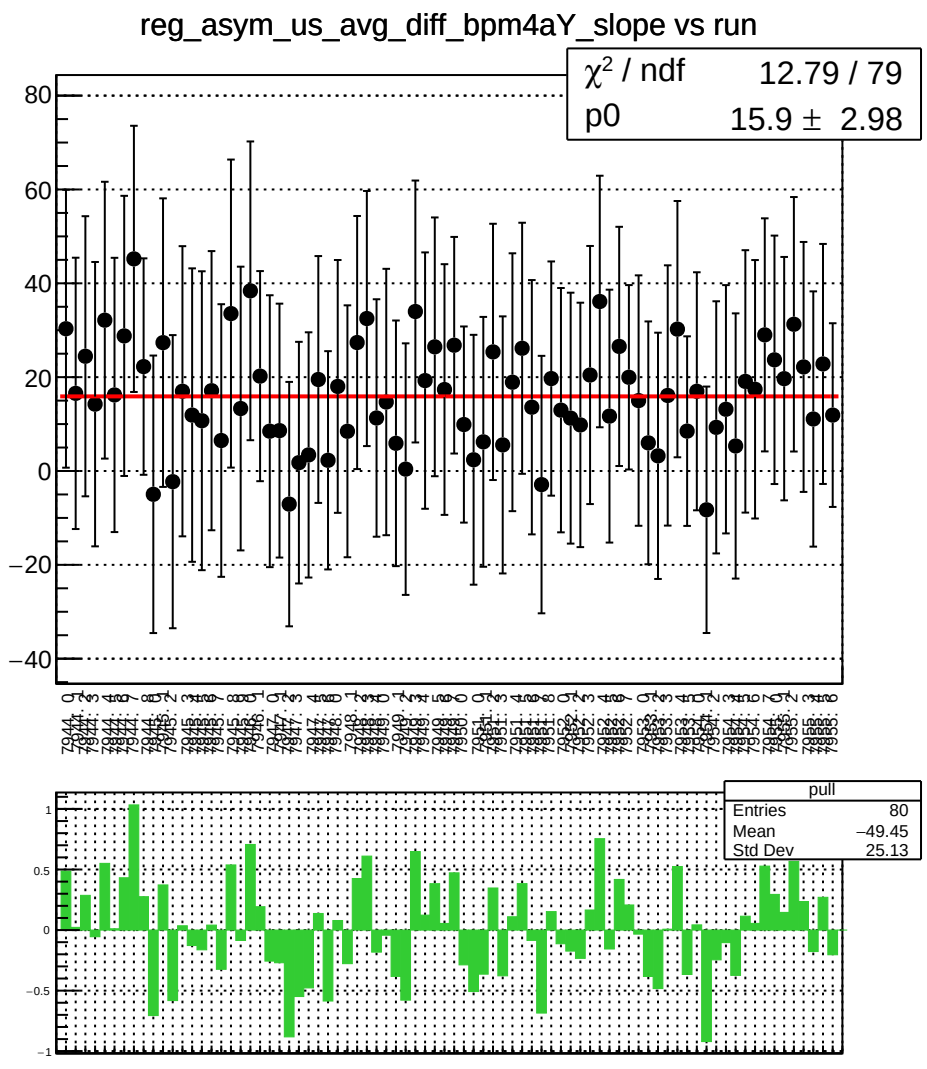

pull1D
Entries 76
Mean 0.03767
Std Dev 0.8661
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

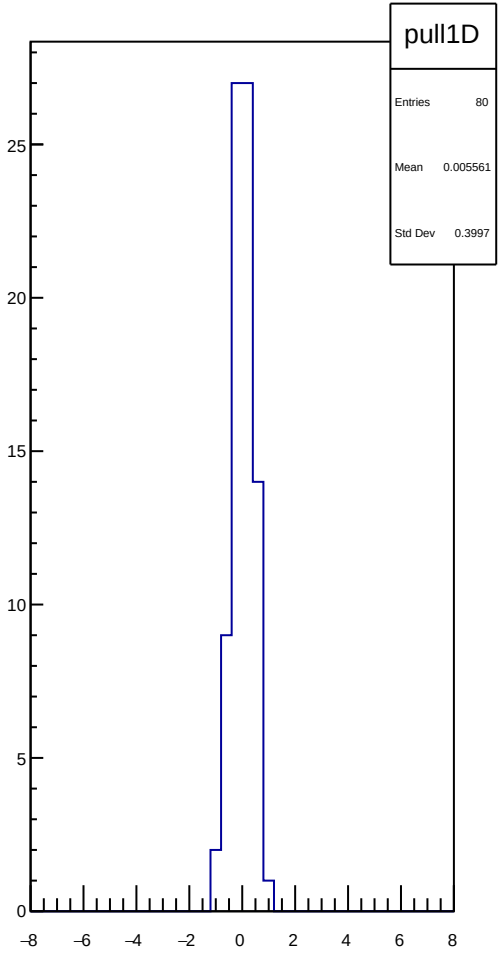

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 93.39 / 79
p0 6.593 ± 18.84
pull
Entries 80
Mean 50.2
Std Dev 37.89

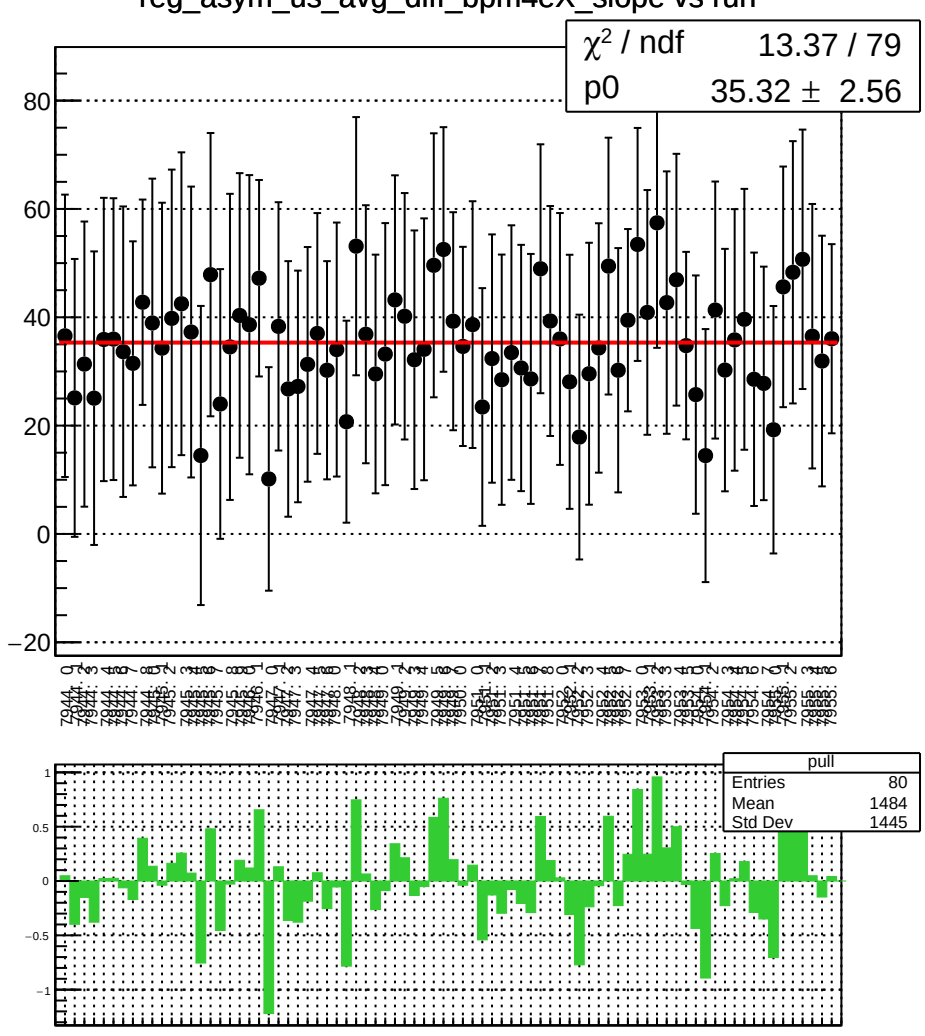

pull1D
Entries 80
Mean −0.08422
Std Dev 1.077

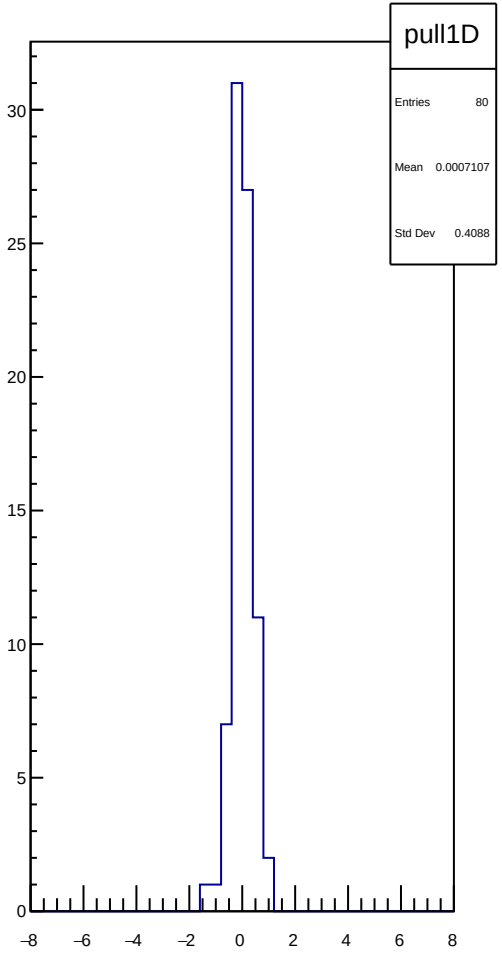

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 13.19 / 79
p0 −37.05 ± 2.884
pull
Entries 80
Mean −1555
Std Dev 1590

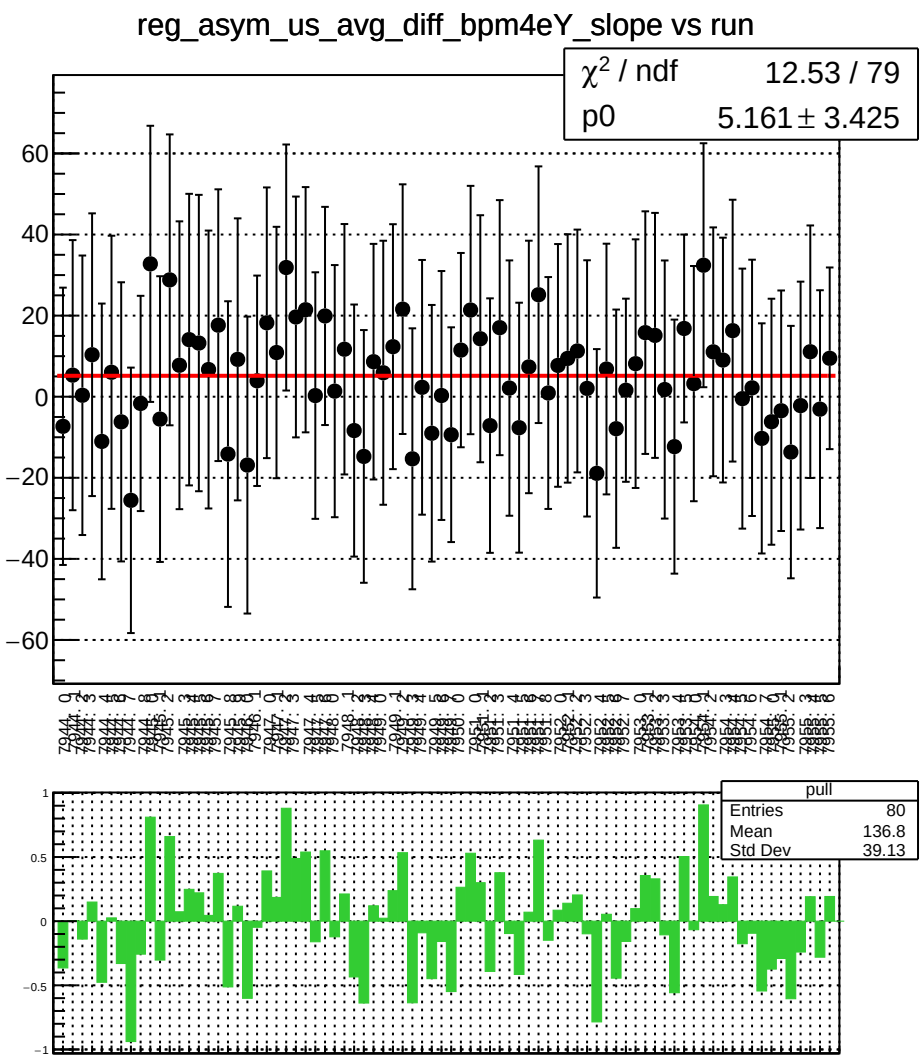

pull1D
Entries 80
Mean 0.0005766
Std Dev 0.406

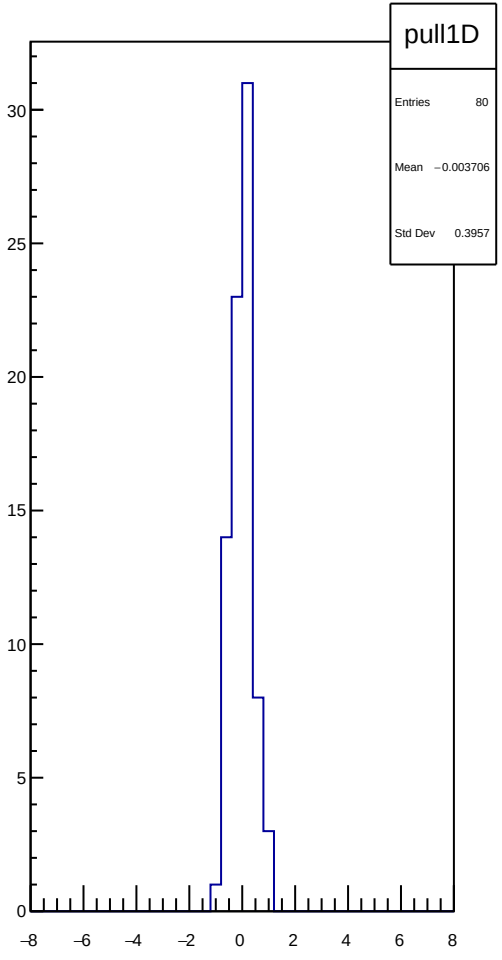

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.79 / 79
p0 15.9 ± 2.98
pull
Entries 80
Mean −49.45
Std Dev 25.13

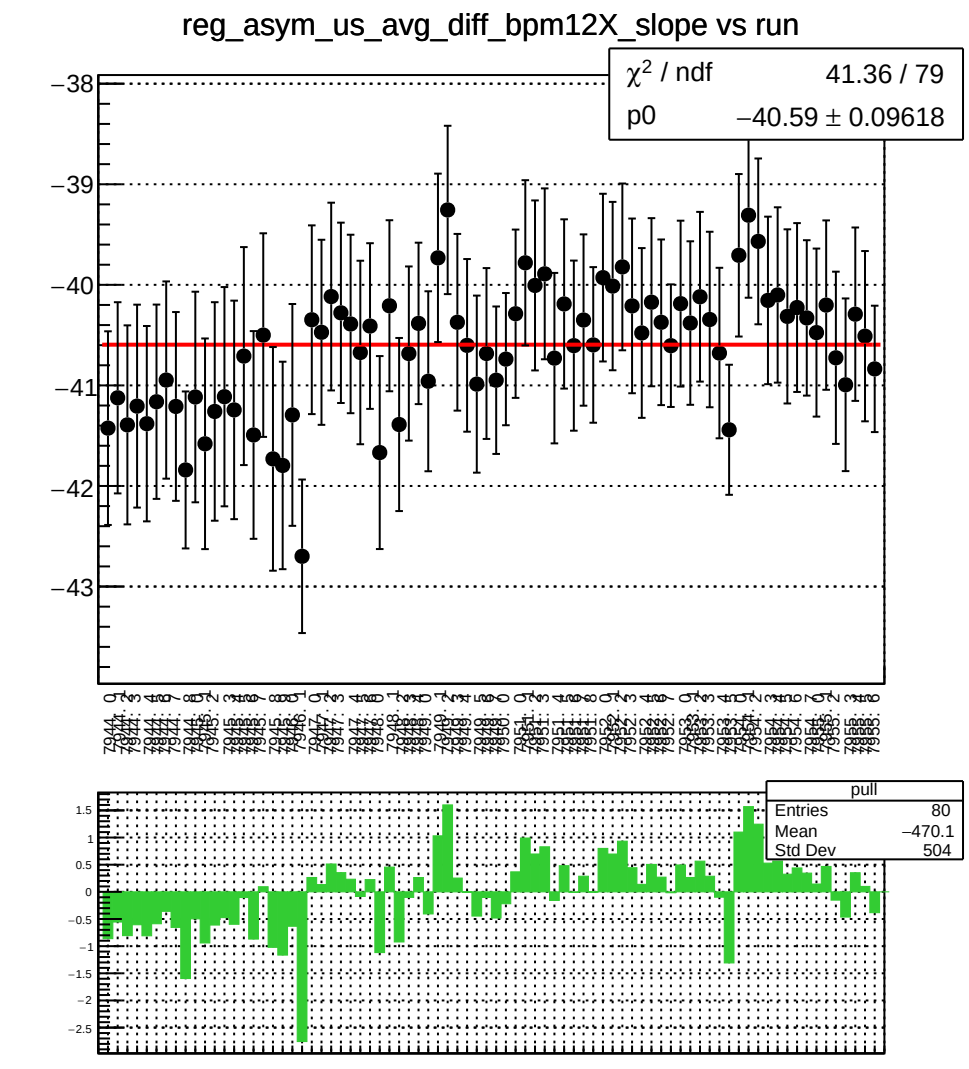

pull1D
Entries 80
Mean 0.005561
Std Dev 0.3997

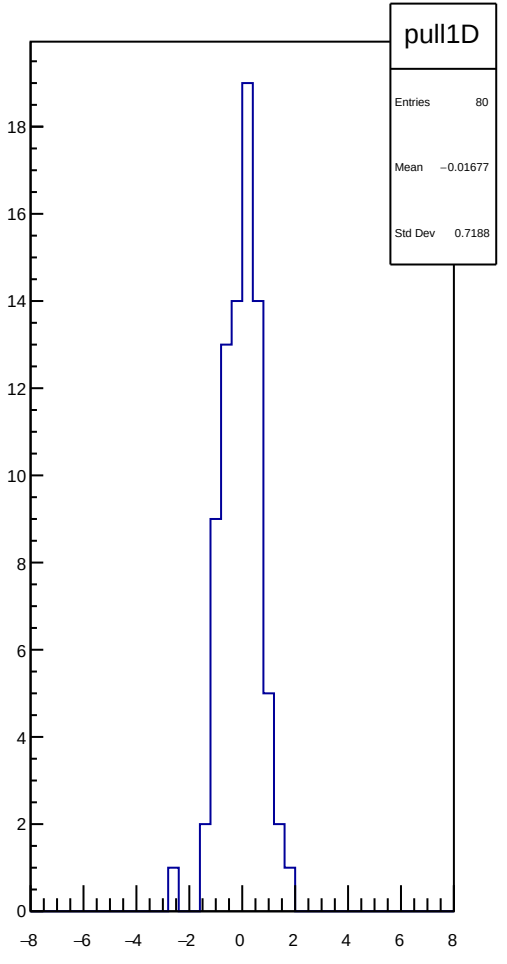

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.37 / 79
p0 35.32 ± 2.56
pull
Entries 80
Mean 1484
Std Dev 1445

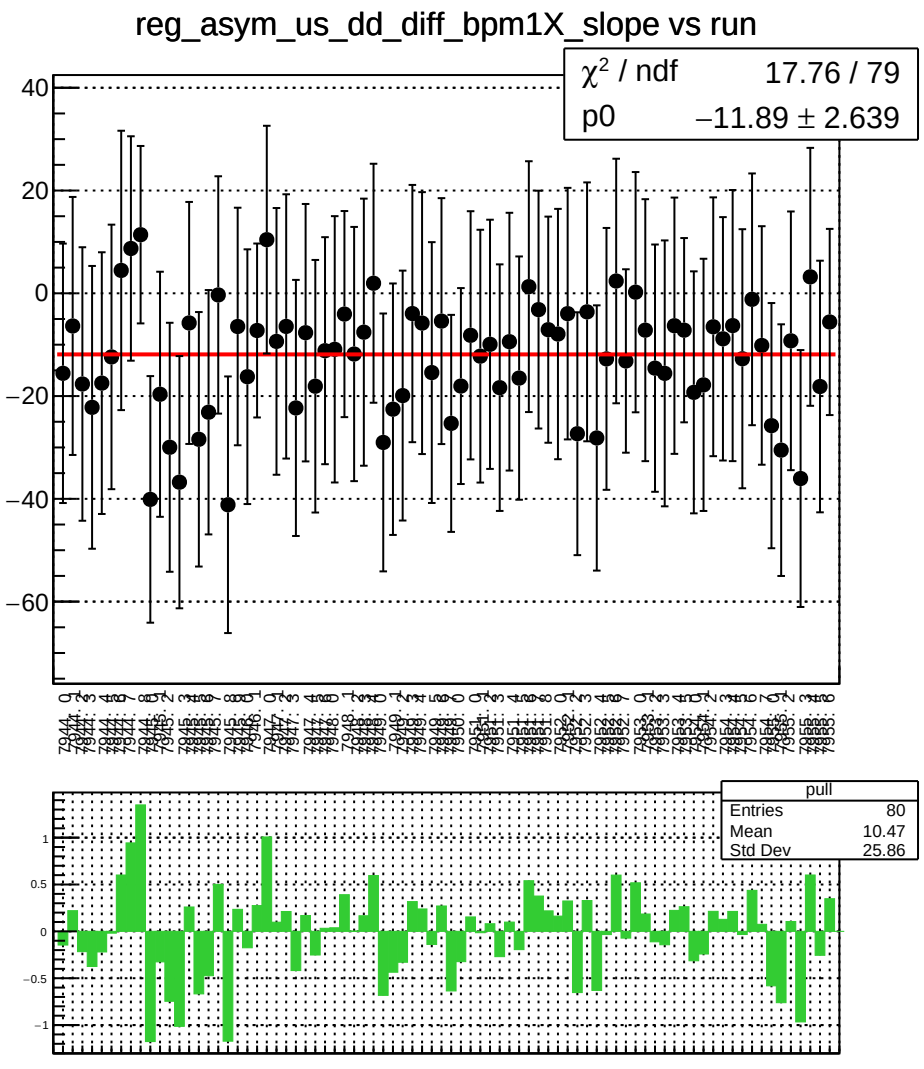

pull1D
Entries 80
Mean 0.0007107
Std Dev 0.4088

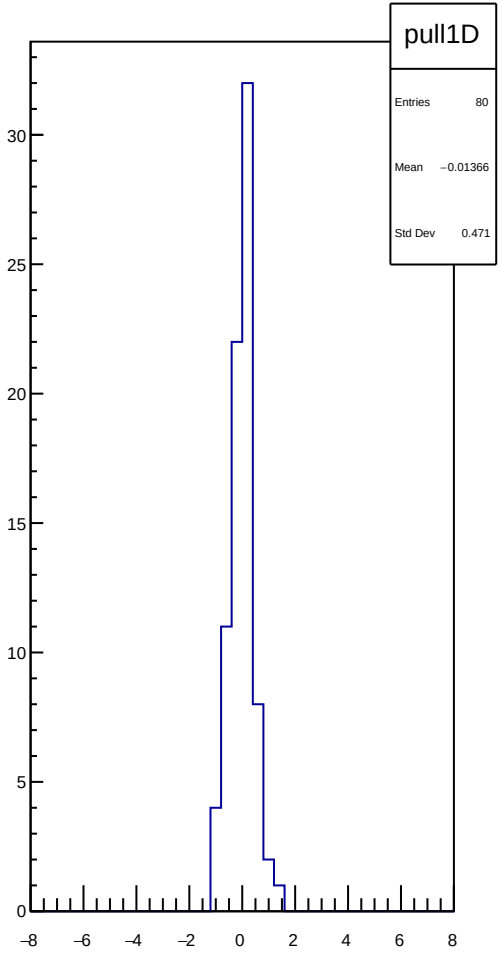

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.53 / 79
p0 5.161 ± 3.425
pull
Entries 80
Mean 136.8
Std Dev 39.13

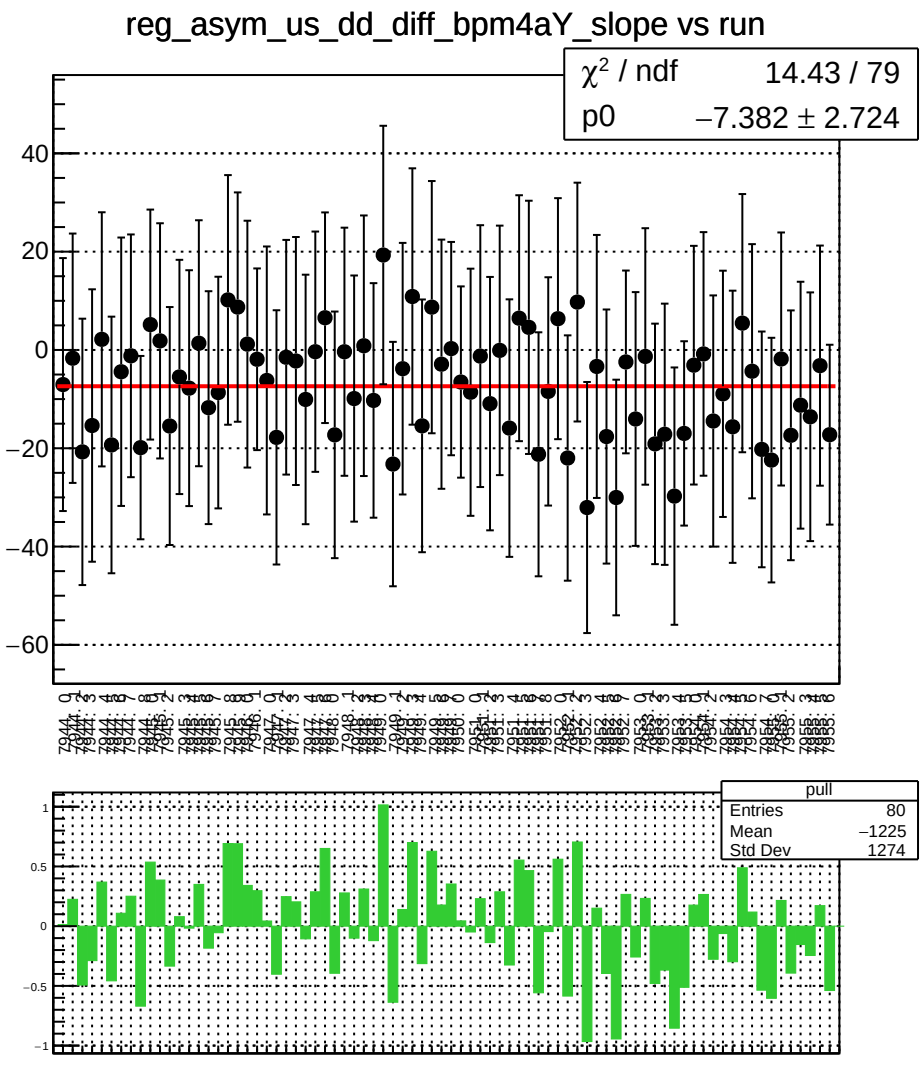

pull1D
Entries 80
Mean −0.003706
Std Dev 0.3957

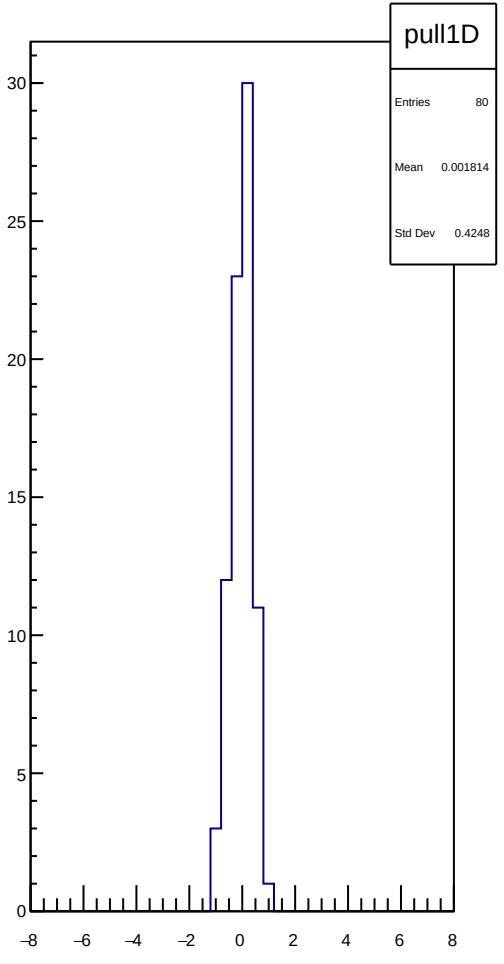

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 41.36 / 79
p0 −40.59 ± 0.09618
pull
Entries 80
Mean −470.1
Std Dev 504

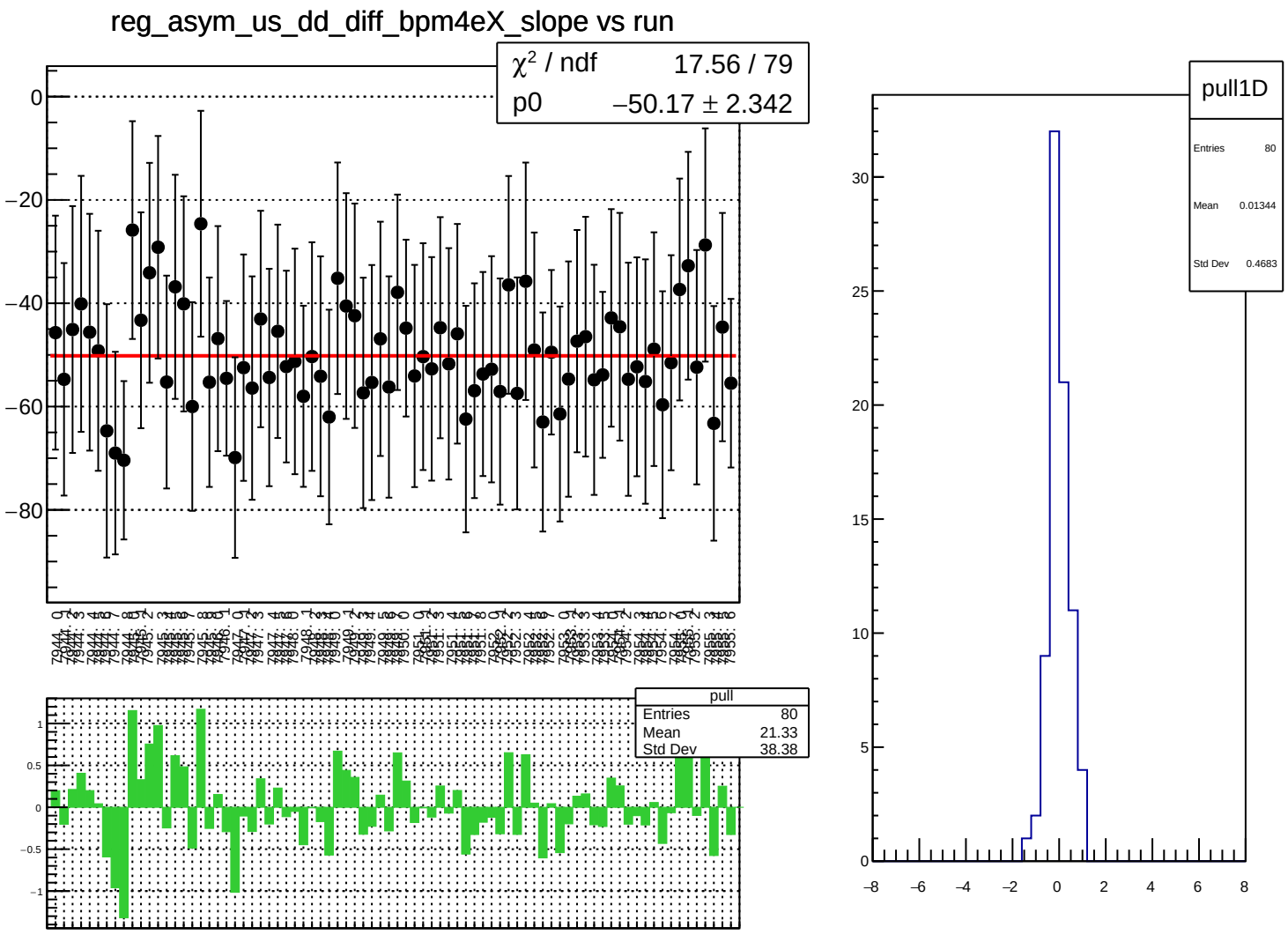

pull1D
Entries 80
Mean −0.01677
Std Dev 0.7188

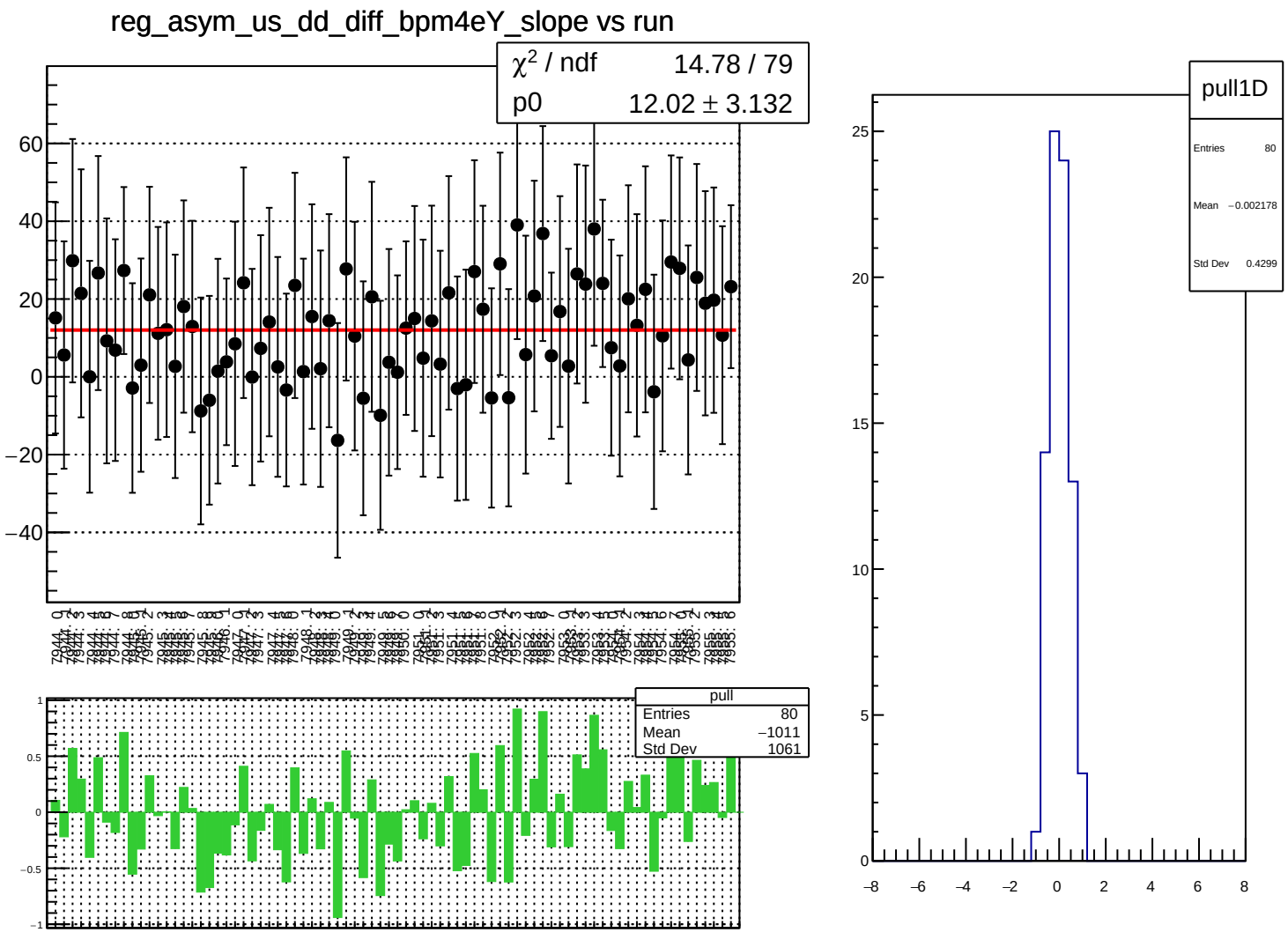

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 17.76 / 79
p0 −11.89 ± 2.639
pull
Entries 80
Mean 10.47
Std Dev 25.86

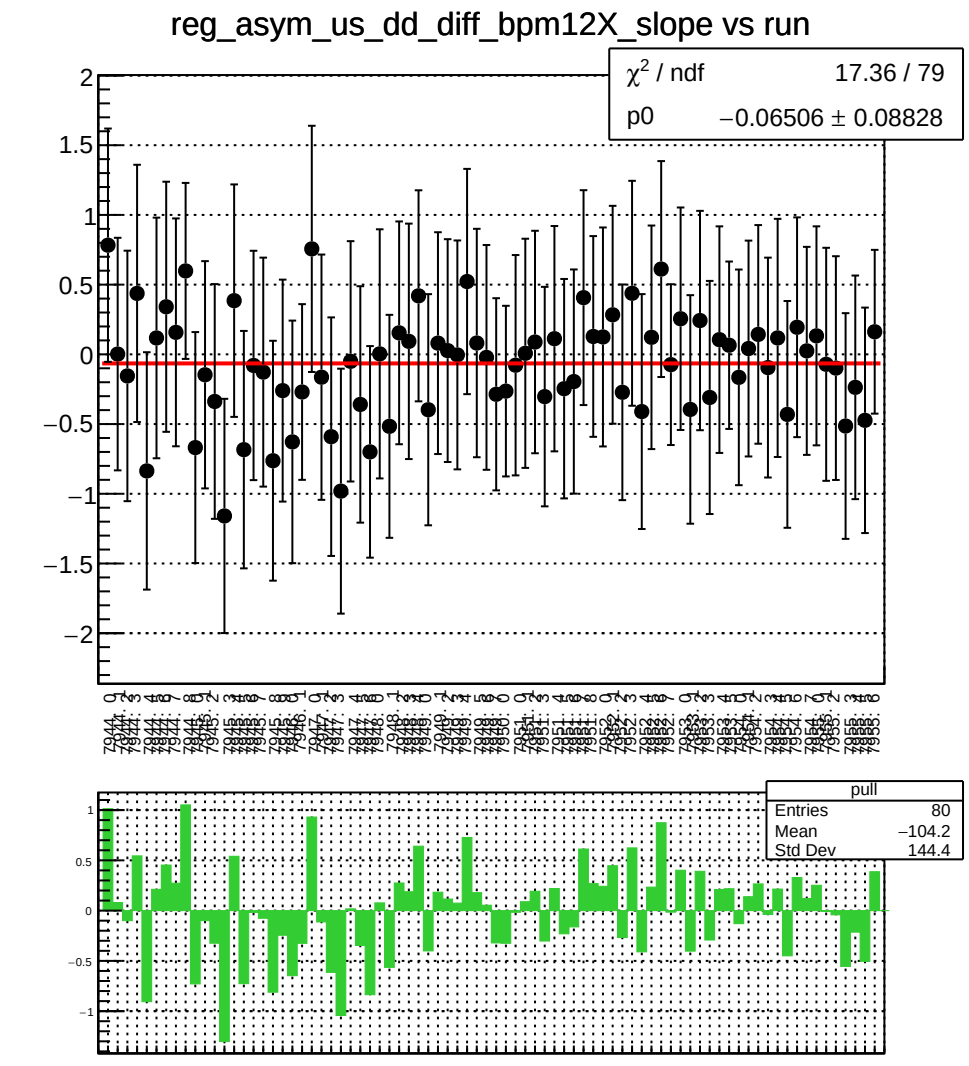

pull1D
Entries 80
Mean −0.01366
Std Dev 0.471

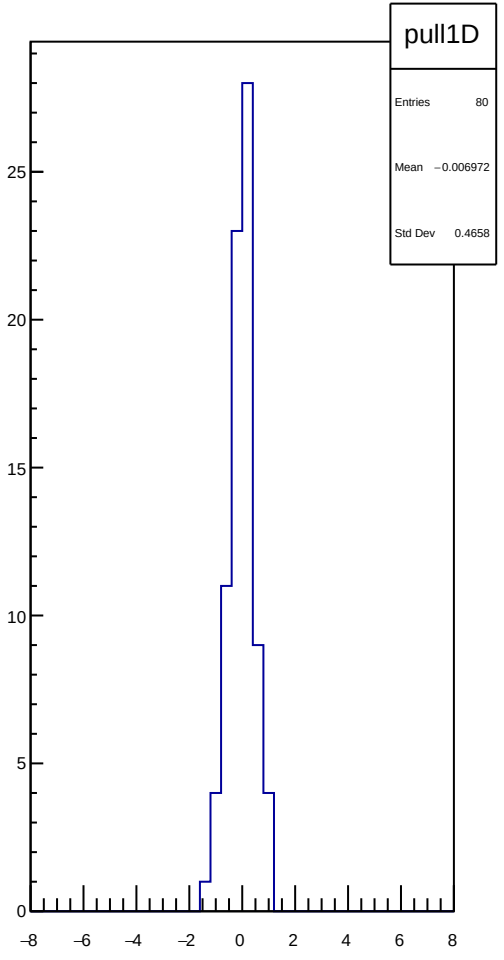

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.43 / 79
p0 −7.382 ± 2.724
pull
Entries 80
Mean −1225
Std Dev 1274

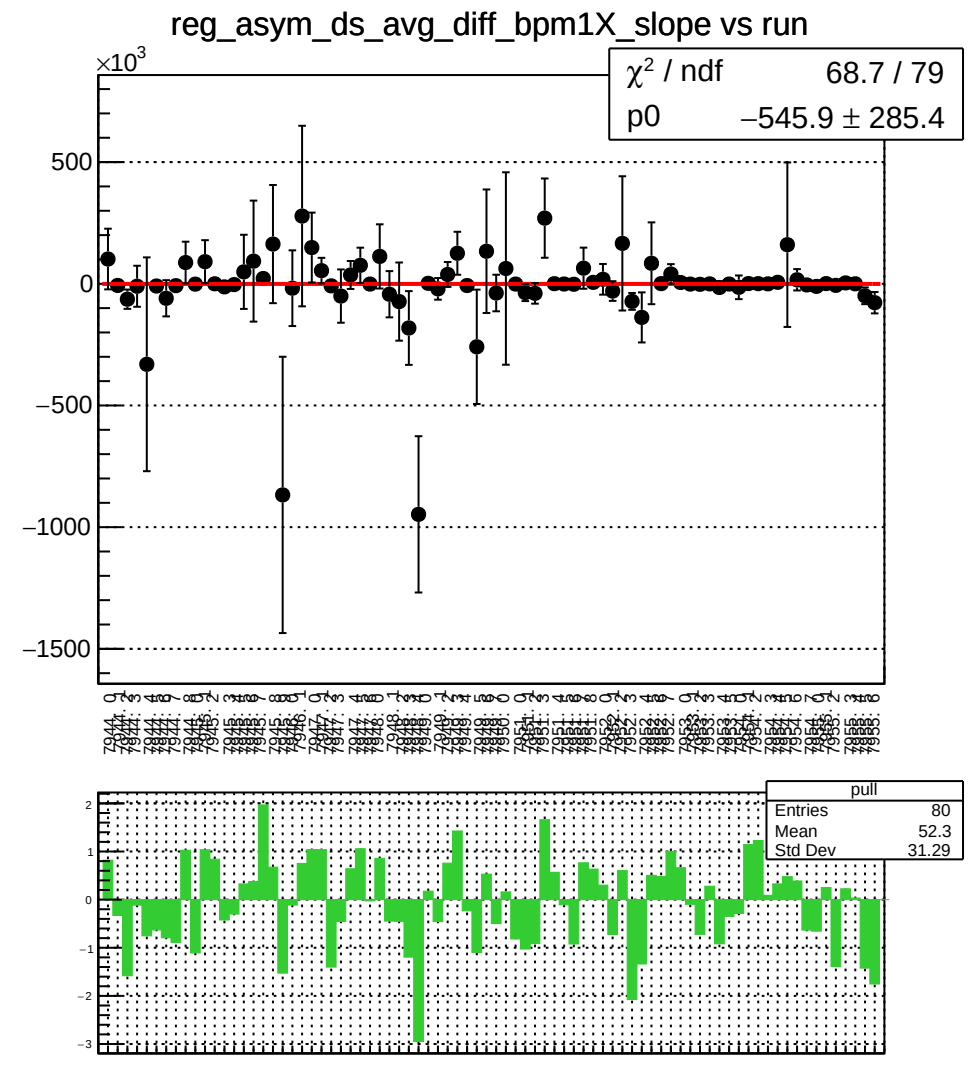

pull1D
Entries 80
Mean 0.001814
Std Dev 0.4248

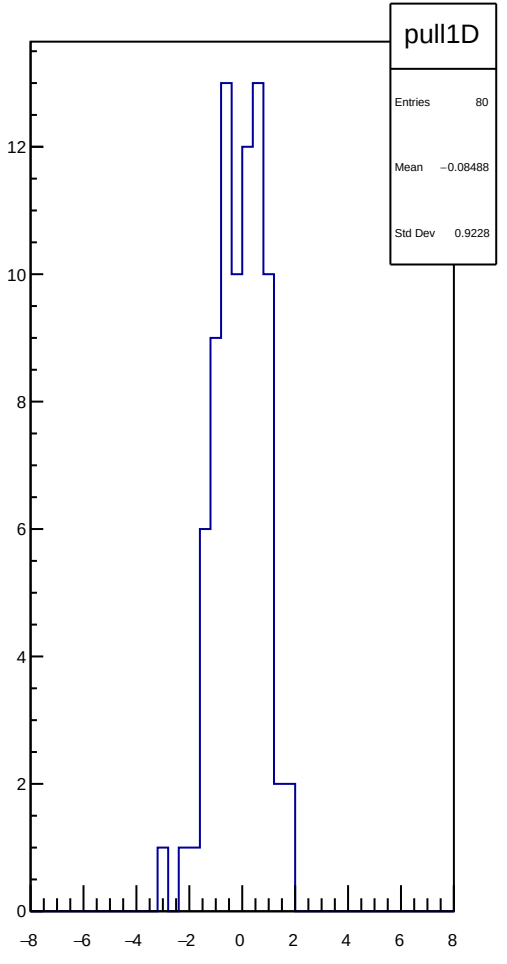

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.56 / 79
p0 −50.17 ± 2.342
0
−20
−40
−60
−80
pull
Entries 80
Mean 21.33
Std Dev 38.38
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean 0.01344
Std Dev 0.4683
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

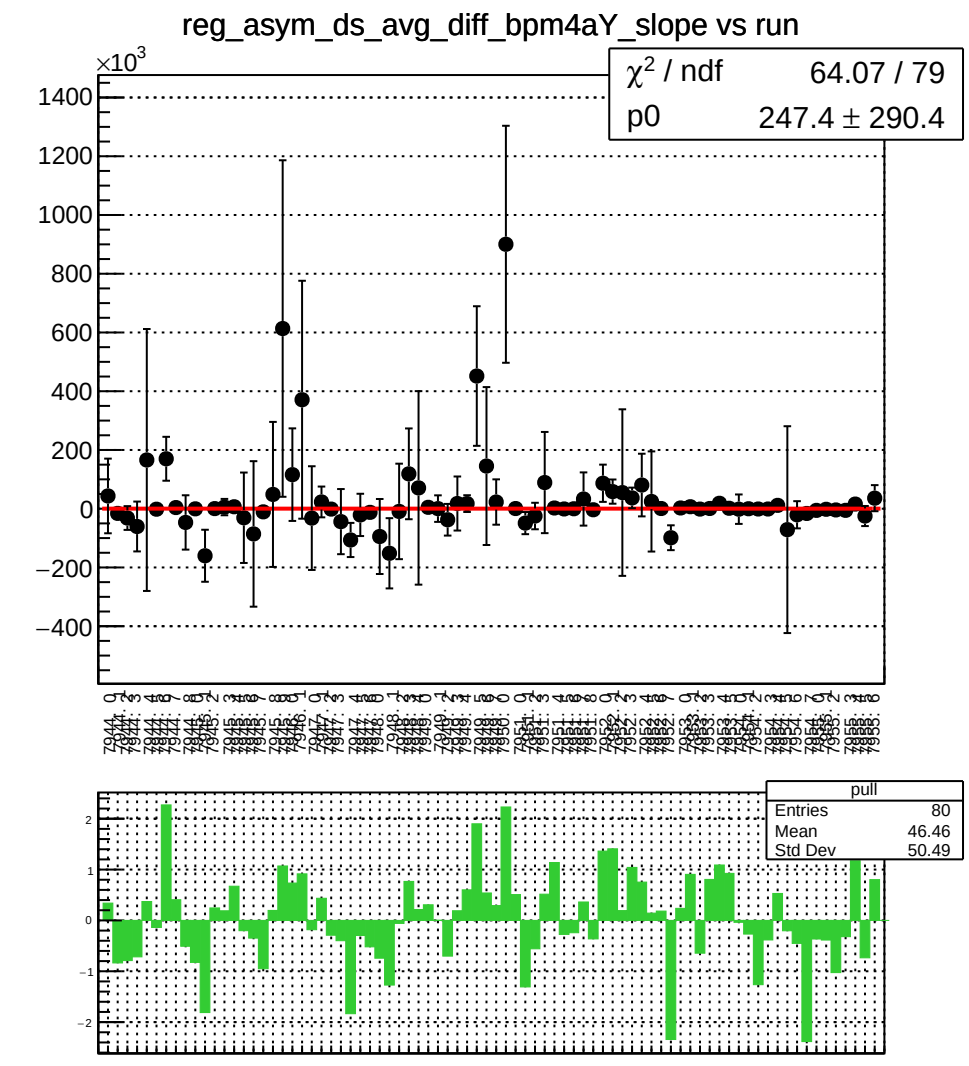

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.78 / 79
p0 12.02 ± 3.132
pull
Entries 80
Mean −1011
Std Dev 1061
pull1D
Entries 80
Mean −0.002178
Std Dev 0.4299

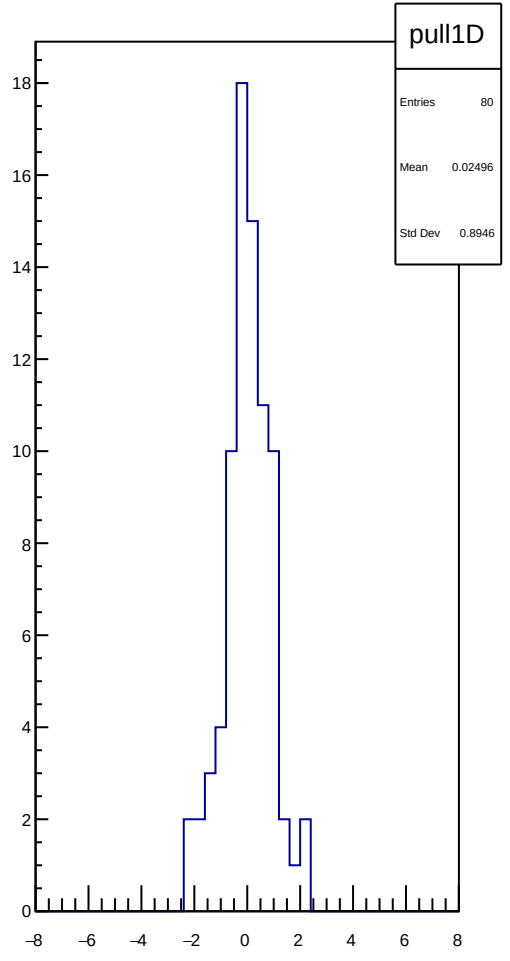

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 17.36 / 79
p0 −0.06506 ± 0.08828
pull
Entries 80
Mean −104.2
Std Dev 144.4

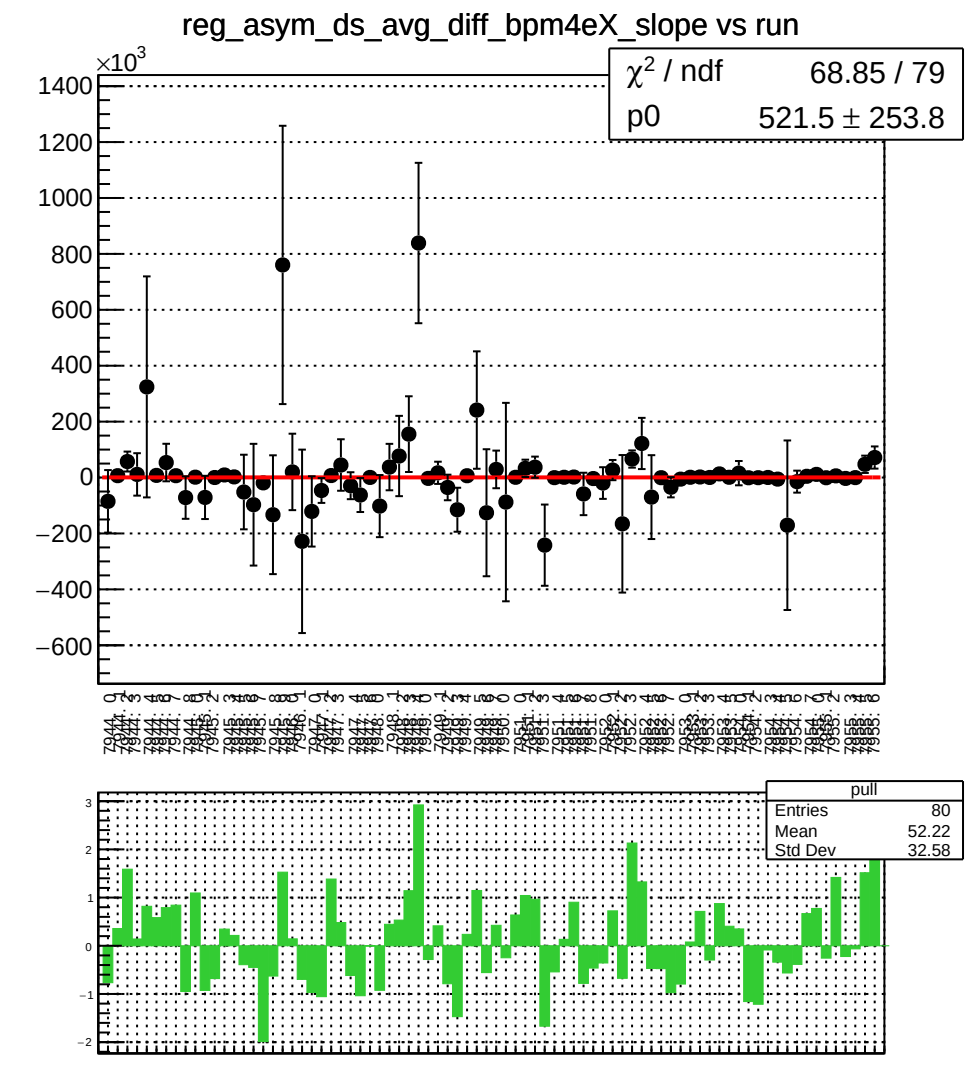

pull1D
Entries 80
Mean −0.006972
Std Dev 0.4658

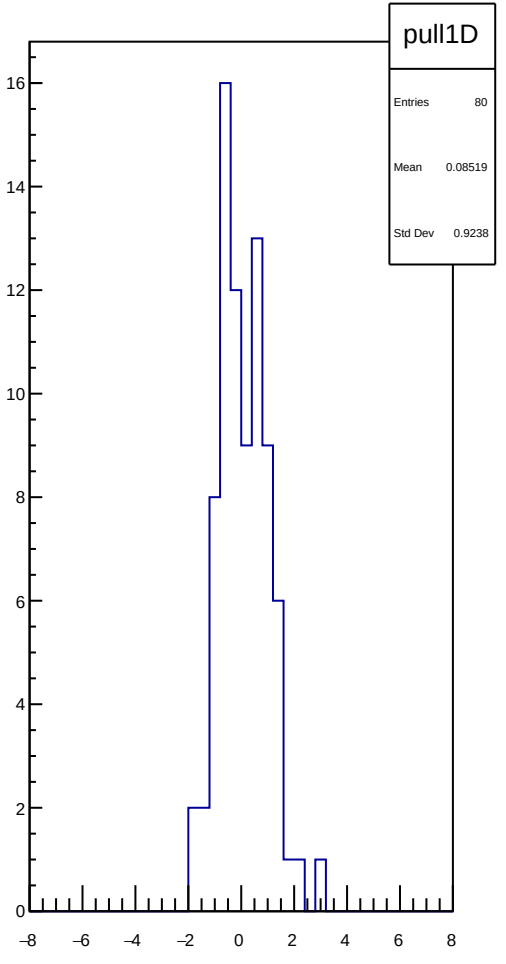

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 68.7 / 79
p0 −545.9 ± 285.4
×10³
500
0
−500
−1000
−1500
pull
Entries 80
Mean 52.3
Std Dev 31.29
2
1
0
−1
−2
−3

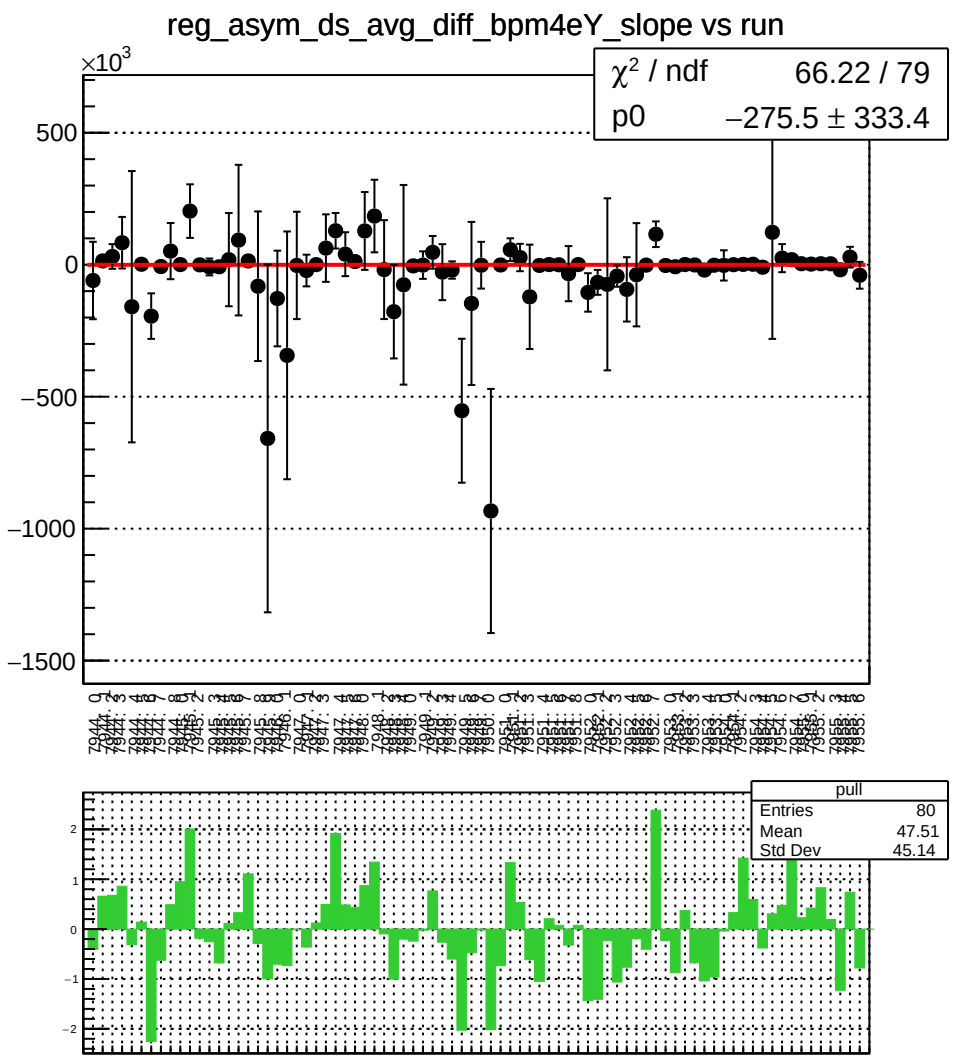

pull1D
Entries 80
Mean −0.08488
Std Dev 0.9228
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

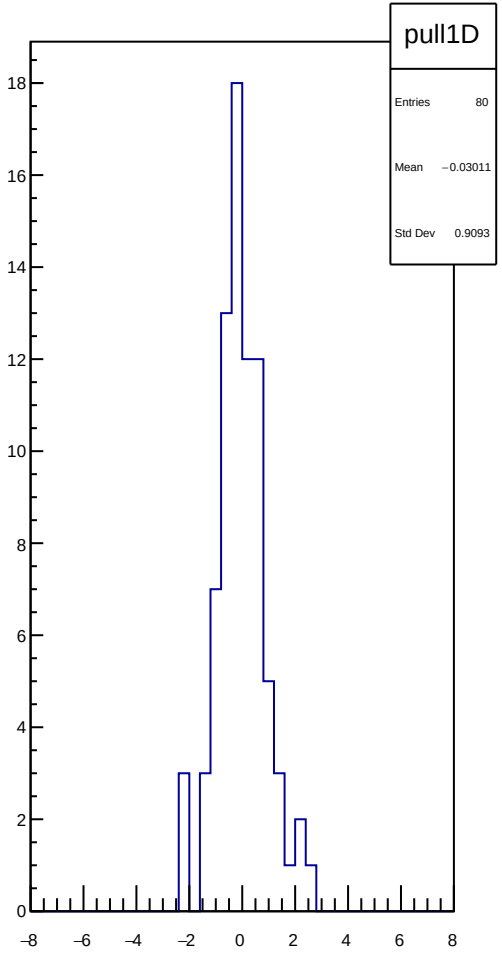

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.07 / 79
p0 247.4 ± 290.4
pull
Entries 80
Mean 46.46
Std Dev 50.49

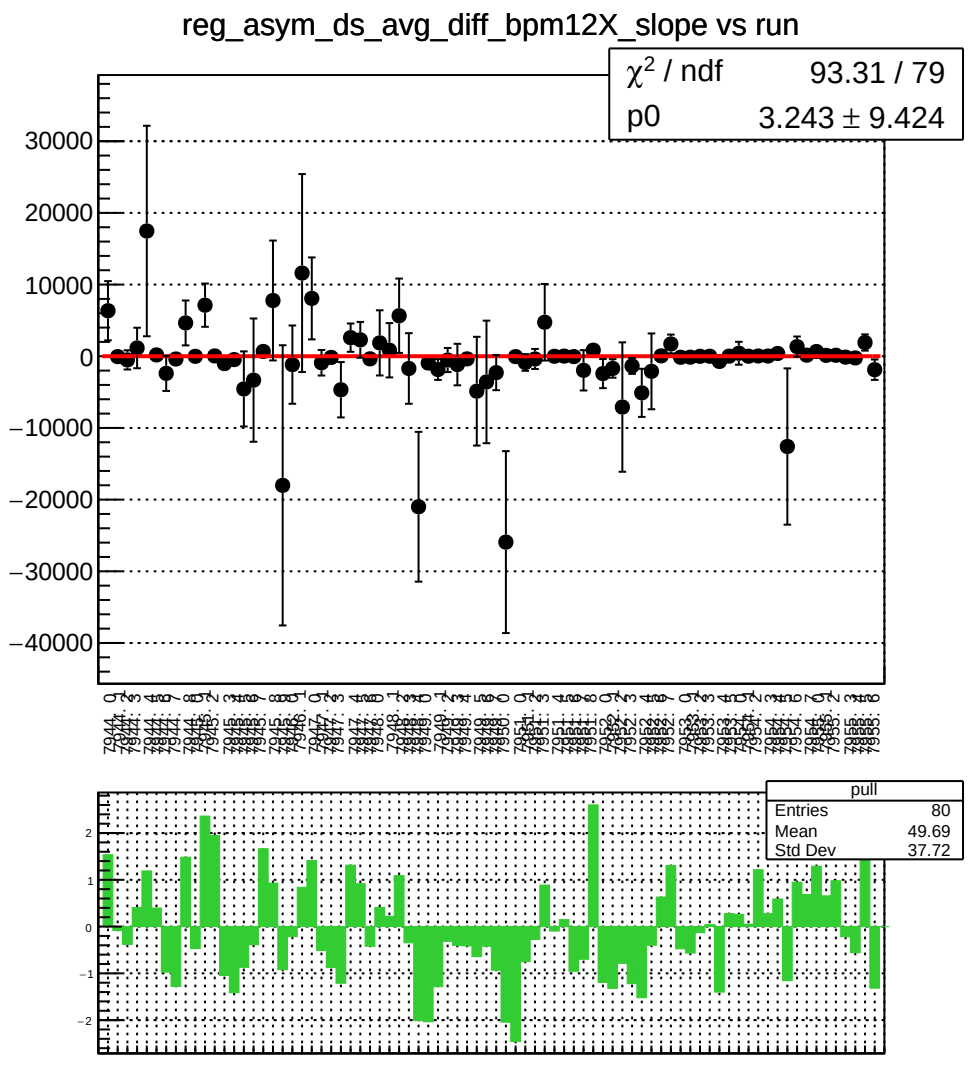

pull1D
Entries 80
Mean 0.02496
Std Dev 0.8946

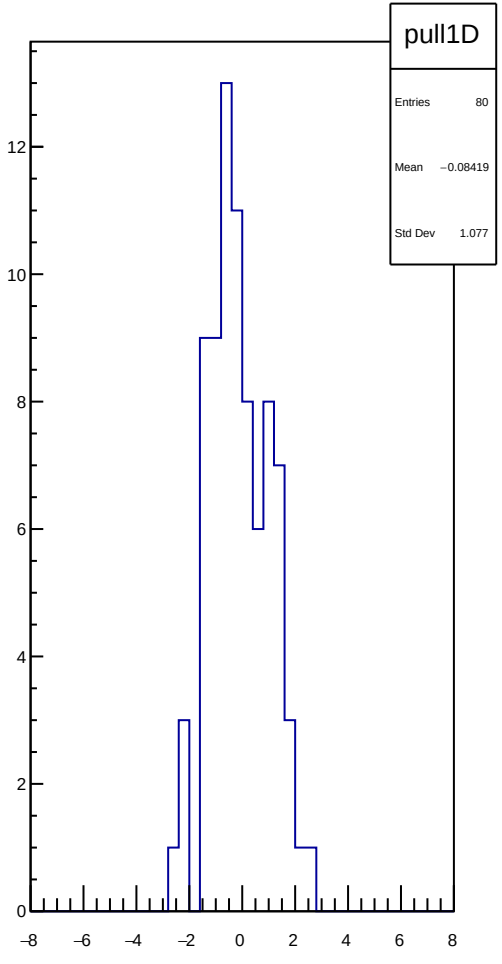

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 68.85 / 79
p0 521.5 ± 253.8
pull
Entries 80
Mean 52.22
Std Dev 32.58

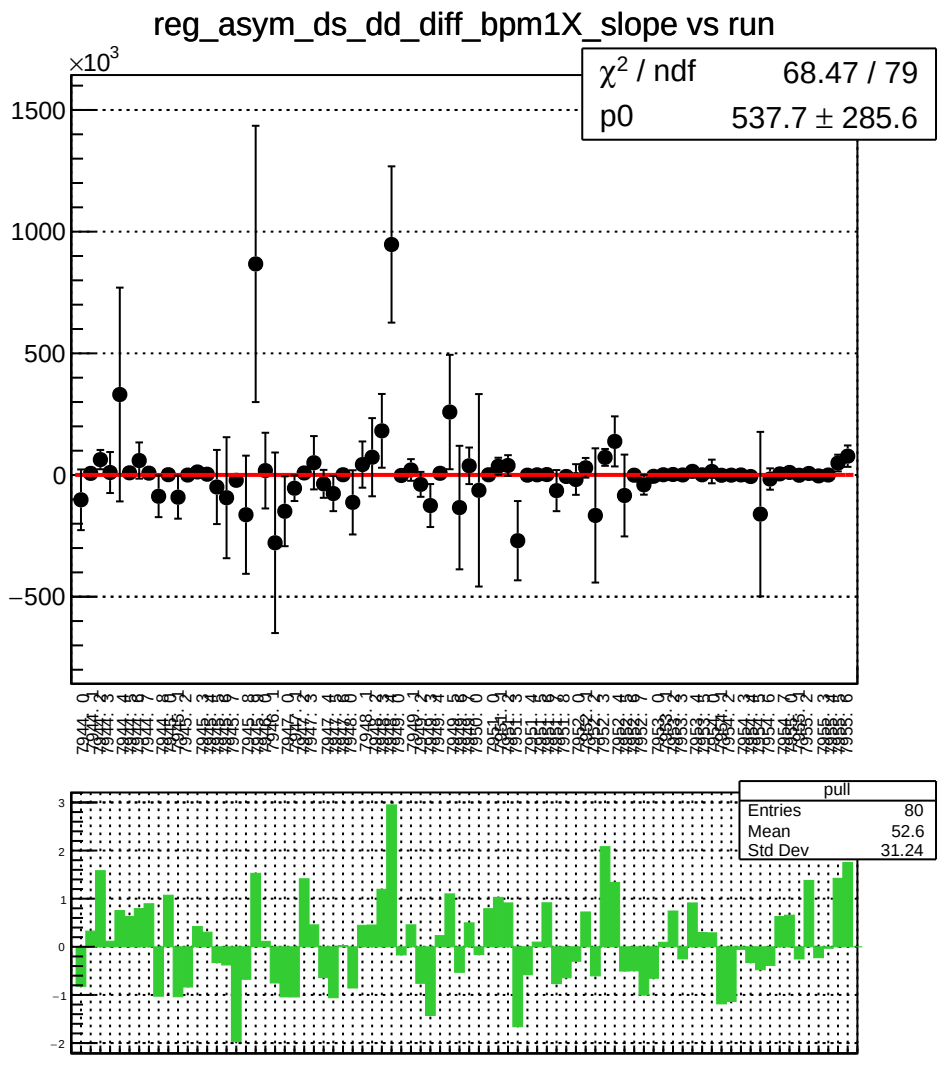

pull1D
Entries 80
Mean 0.08519
Std Dev 0.9238

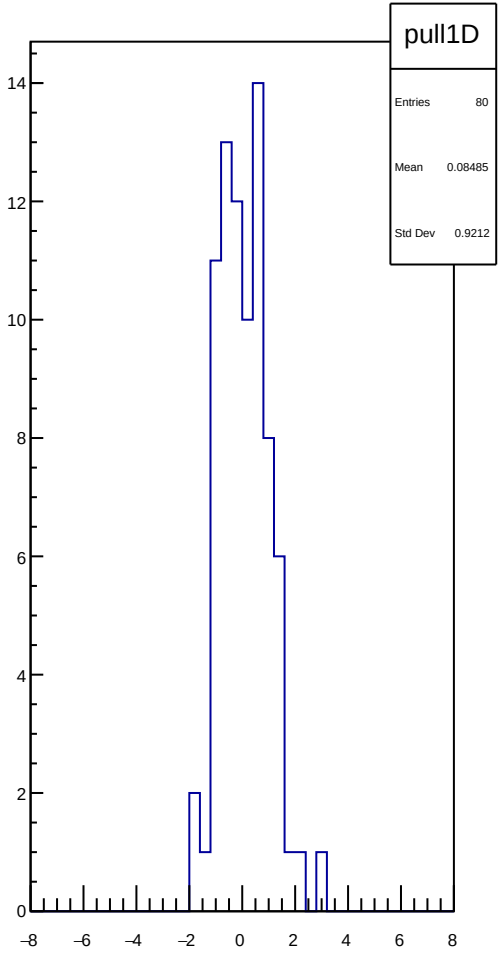

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 66.22 / 79
p0 −275.5 ± 333.4
500
0
−500
−1000
−1500
pull
Entries 80
Mean 47.51
Std Dev 45.14
2
1
0
−1
−2

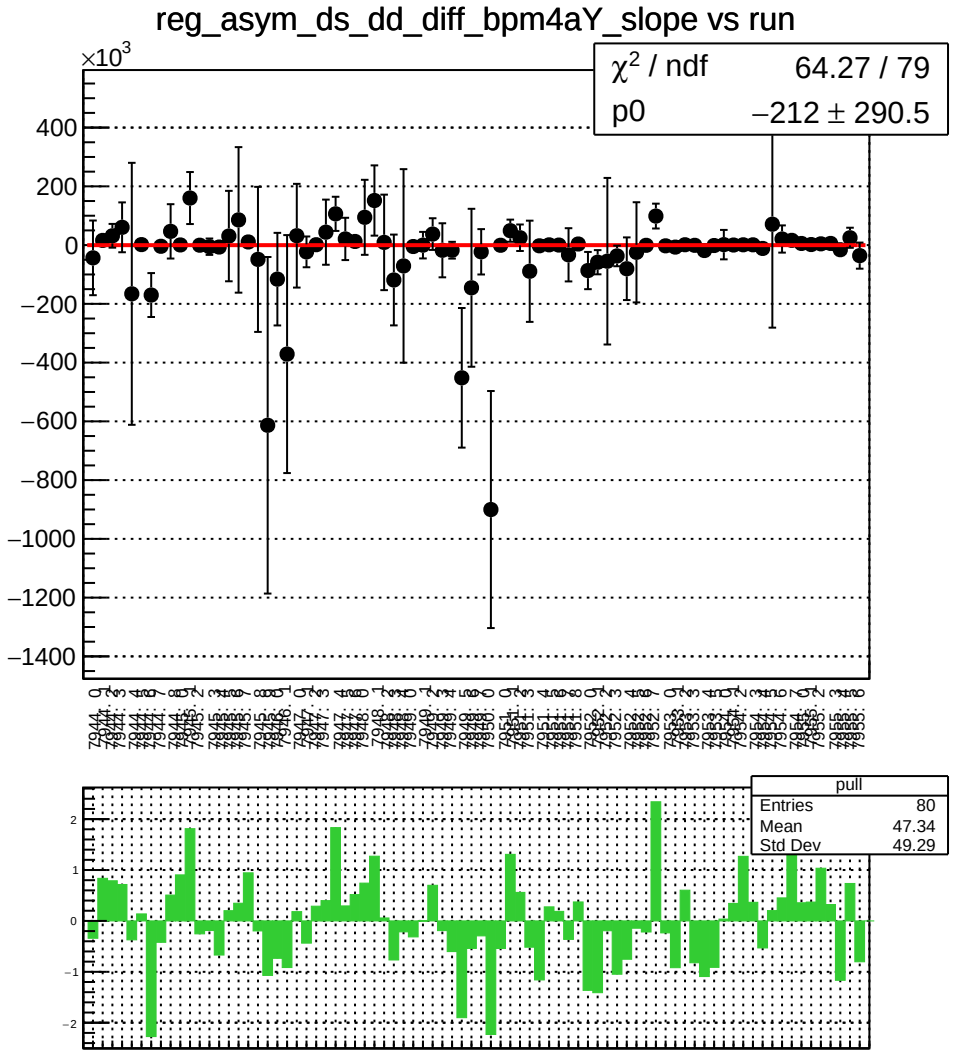

pull1D
Entries 80
Mean −0.03011
Std Dev 0.9093
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

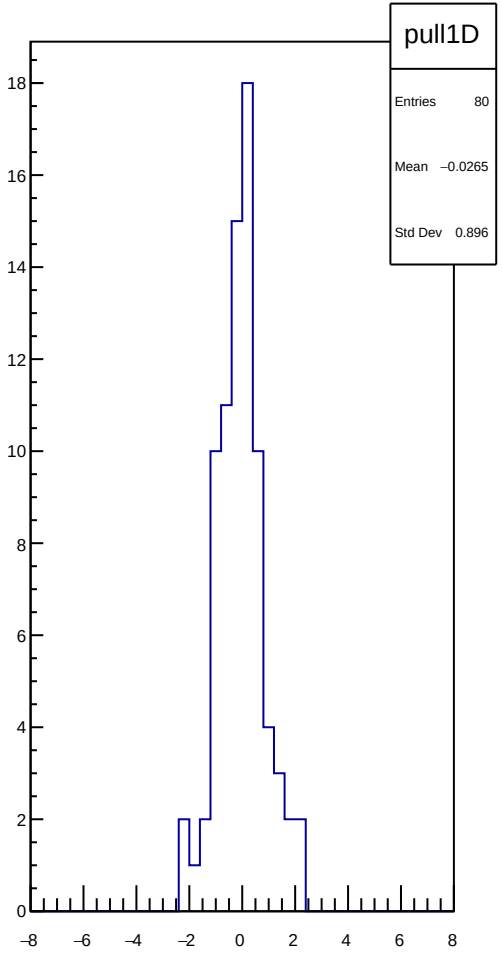

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 93.31 / 79
p0 3.243 ± 9.424
pull
Entries 80
Mean 49.69
Std Dev 37.72

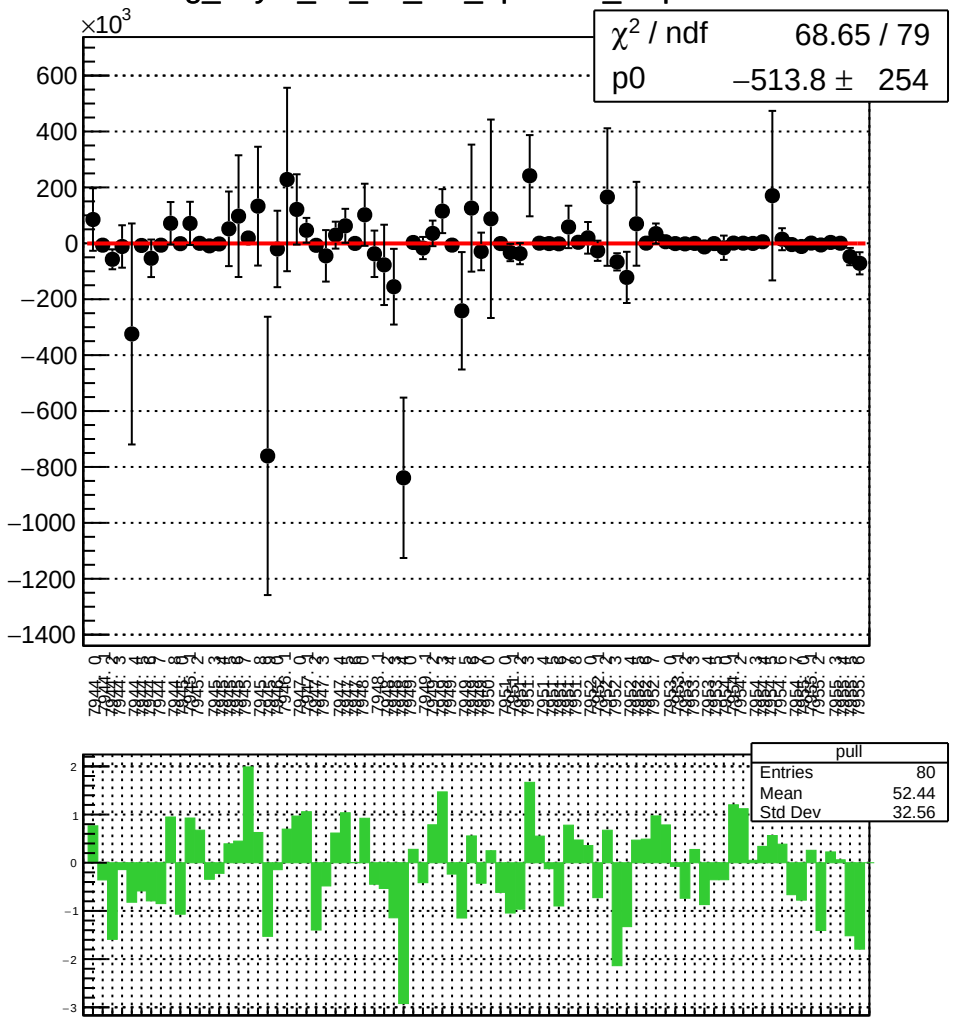

pull1D
Entries 80
Mean −0.08419
Std Dev 1.077

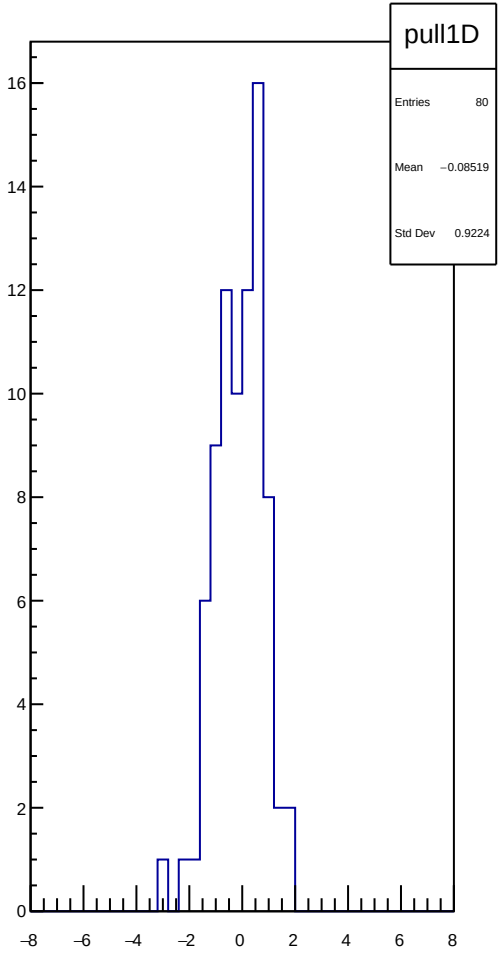

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 68.47 / 79
p0 537.7 ± 285.6
1500
1000
500
0
−500
pull
Entries 80
Mean 52.6
Std Dev 31.24
3
2
1
0
−1
−2

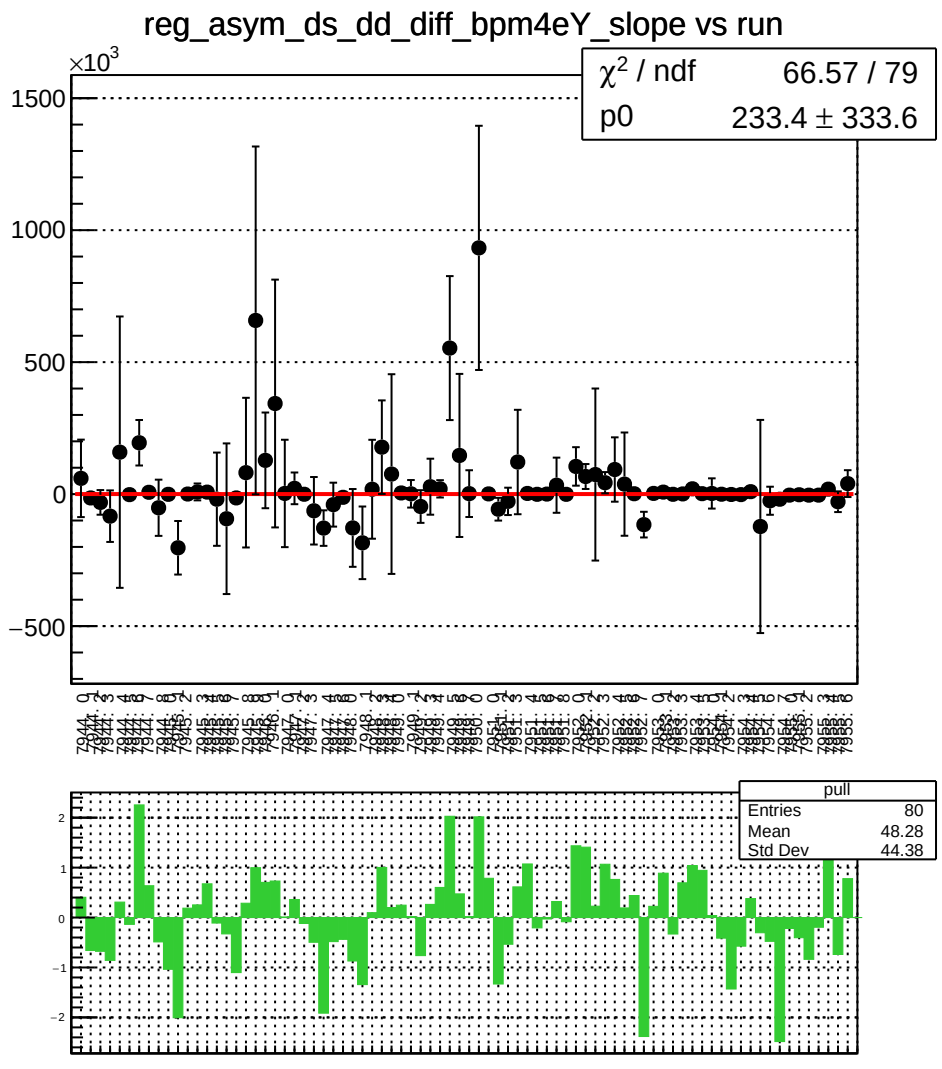

pull1D
Entries 80
Mean 0.08485
Std Dev 0.9212
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

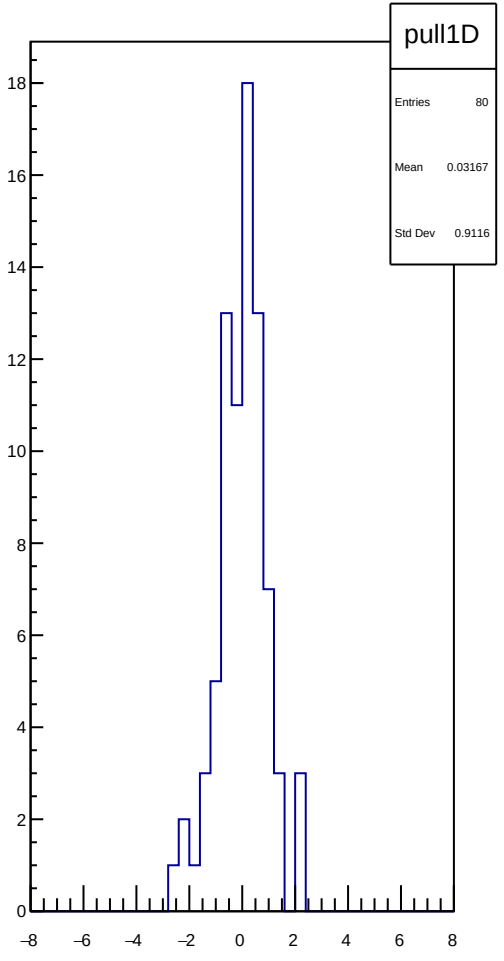

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 64.27 / 79
p0 −212 ± 290.5
pull
Entries 80
Mean 47.34
Std Dev 49.29

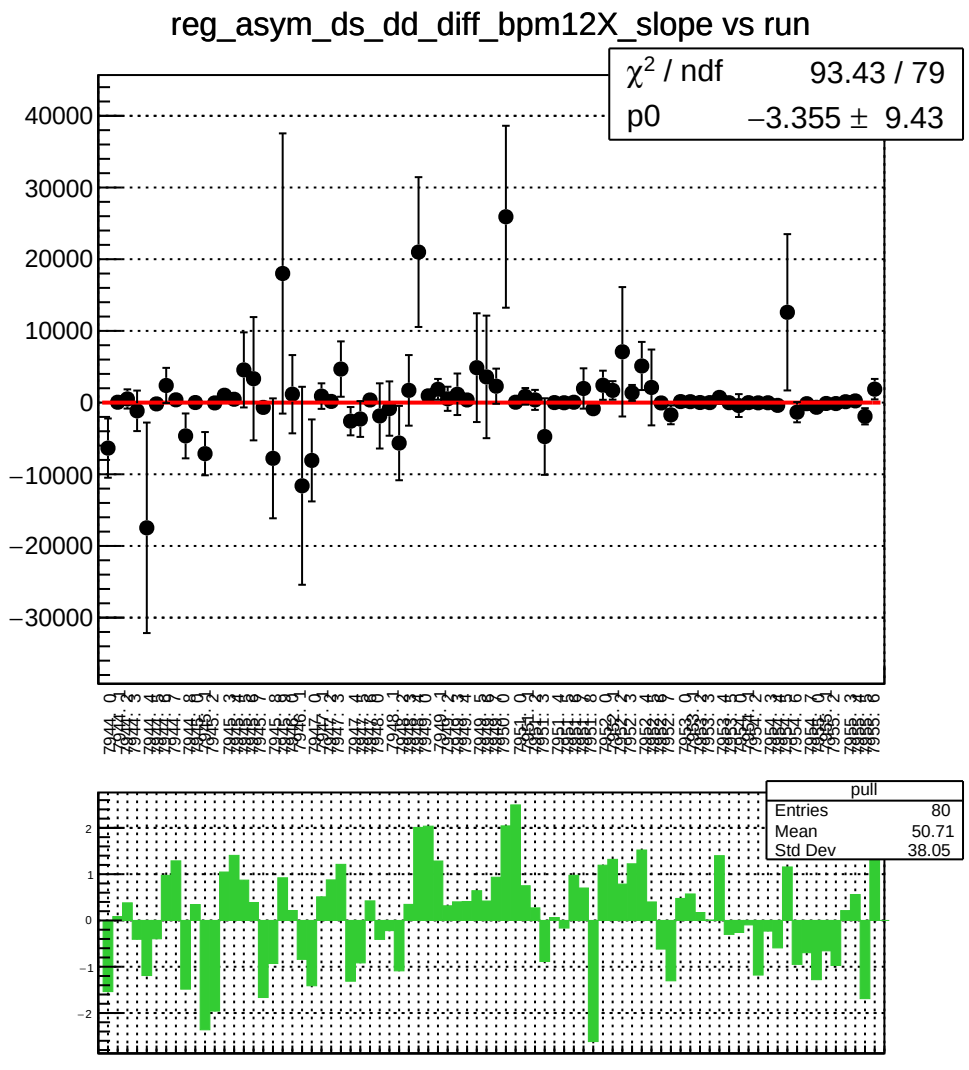

pull1D
Entries 80
Mean −0.0265
Std Dev 0.896

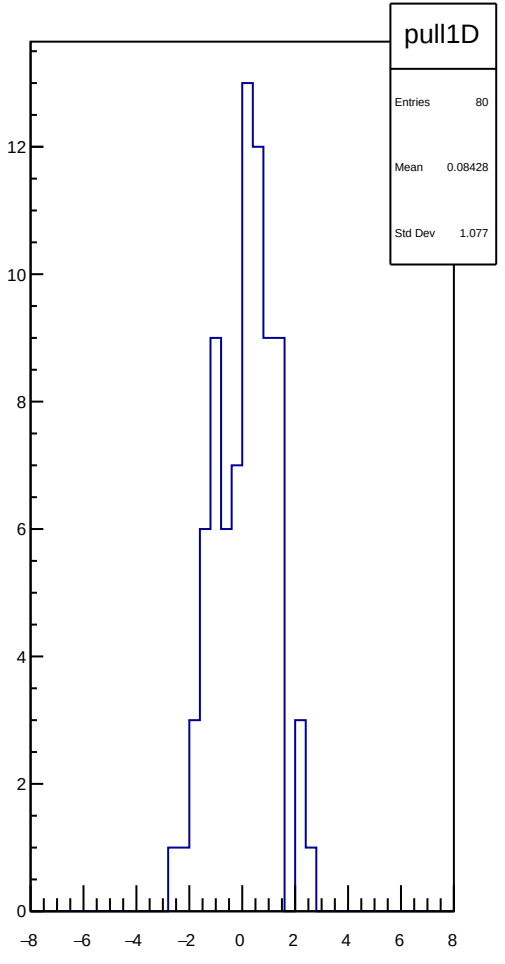

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.65 / 79
p0 −513.8 ± 254
pull
Entries 80
Mean 52.44
Std Dev 32.56

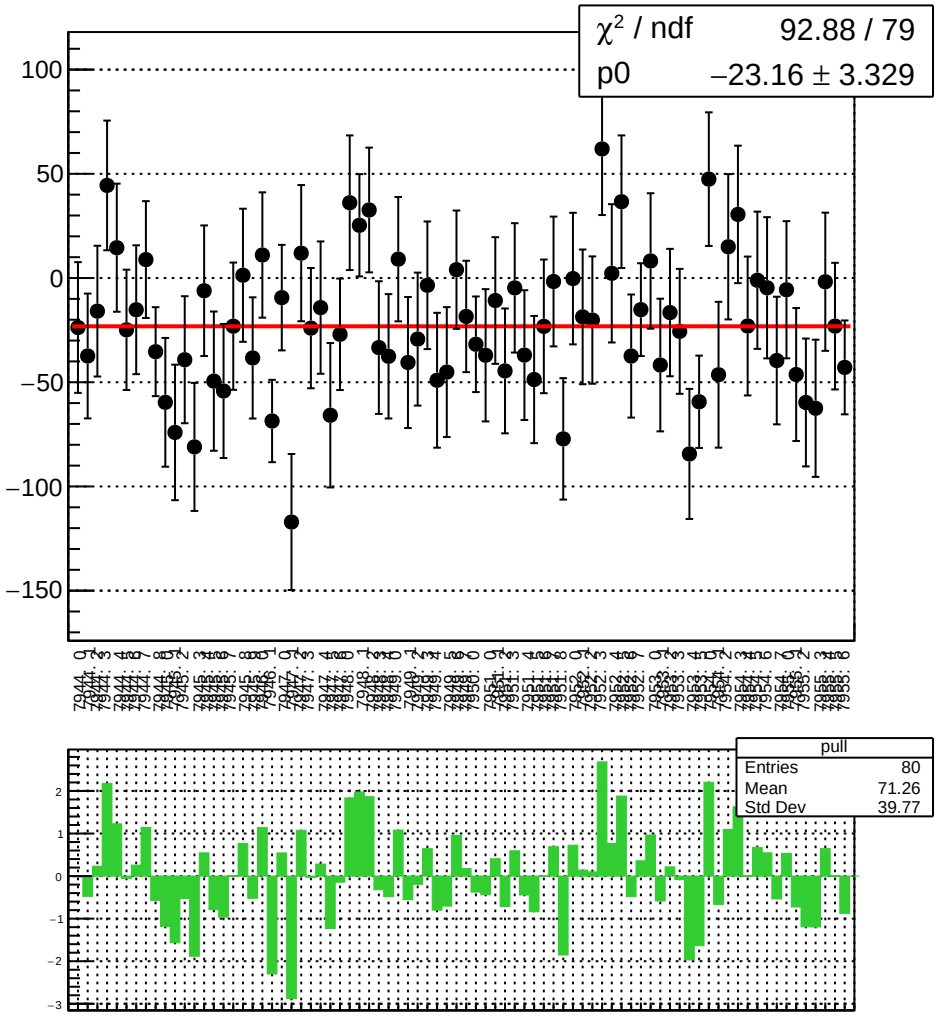

pull1D
Entries 80
Mean −0.08519
Std Dev 0.9224

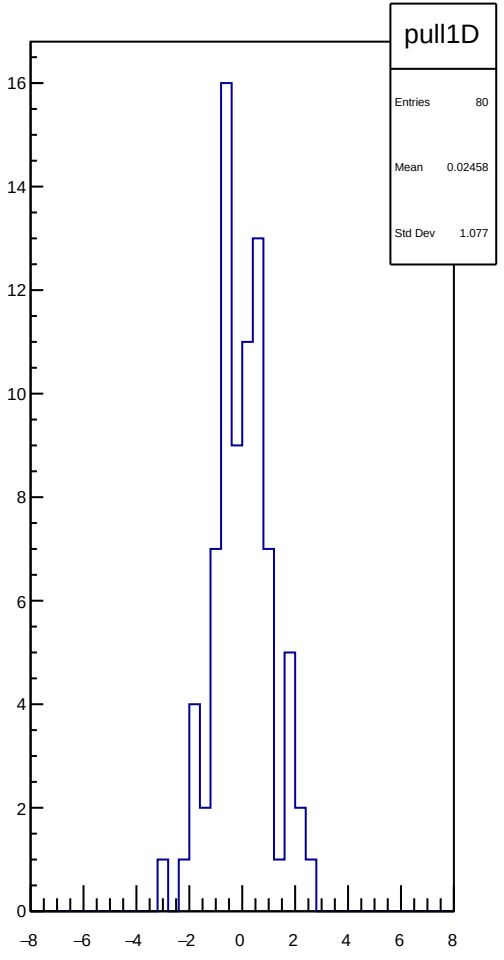

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 66.57 / 79
p0 233.4 ± 333.6
1500
1000
500
0
−500
pull
Entries 80
Mean 48.28
Std Dev 44.38
2
1
0
−1
−2

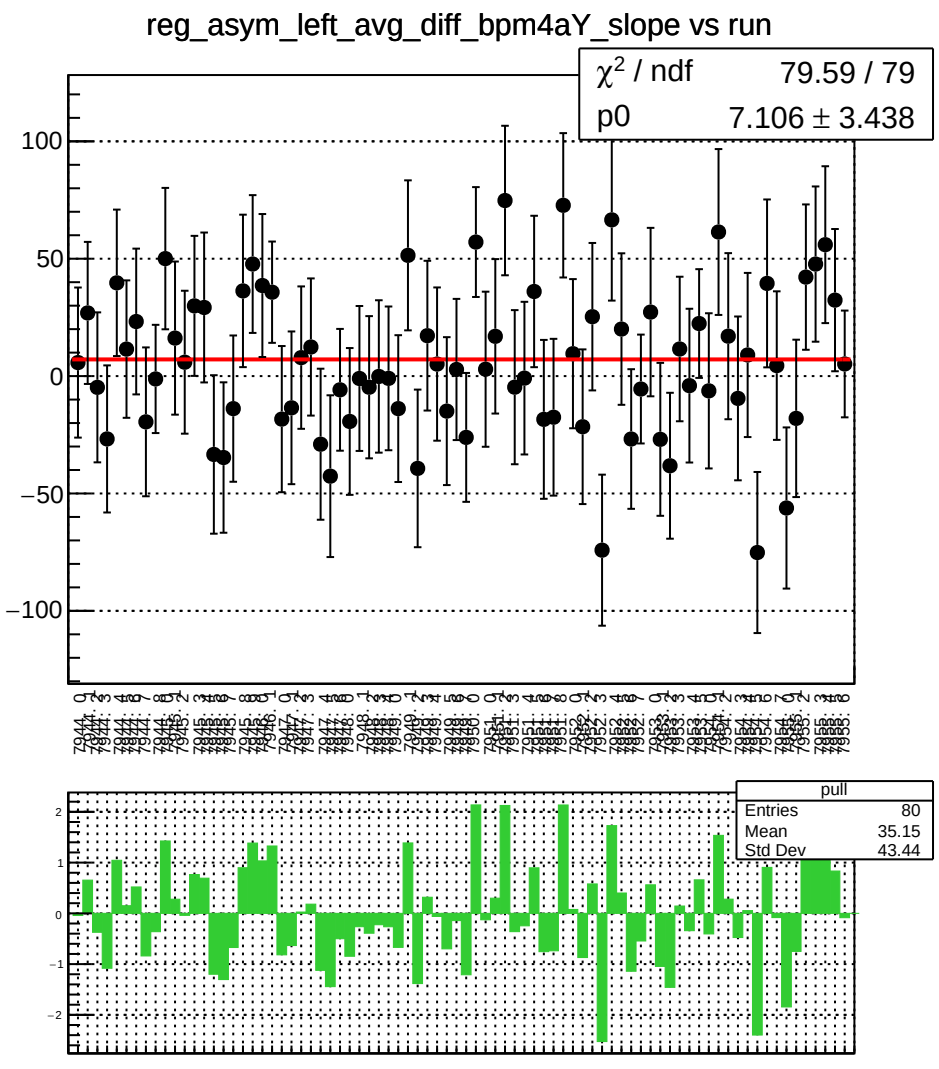

pull1D
Entries 80
Mean 0.03167
Std Dev 0.9116
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

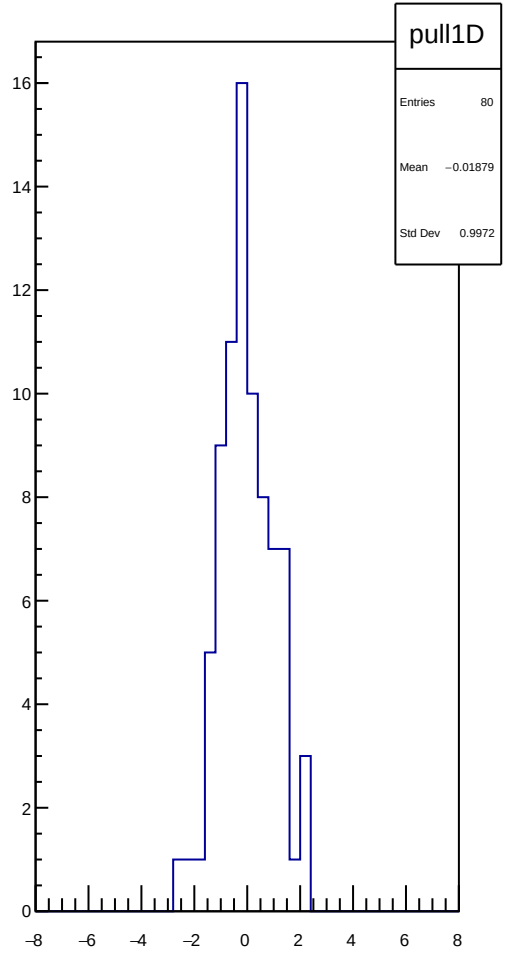

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 93.43 / 79
p0 −3.355 ± 9.43
pull
Entries 80
Mean 50.71
Std Dev 38.05

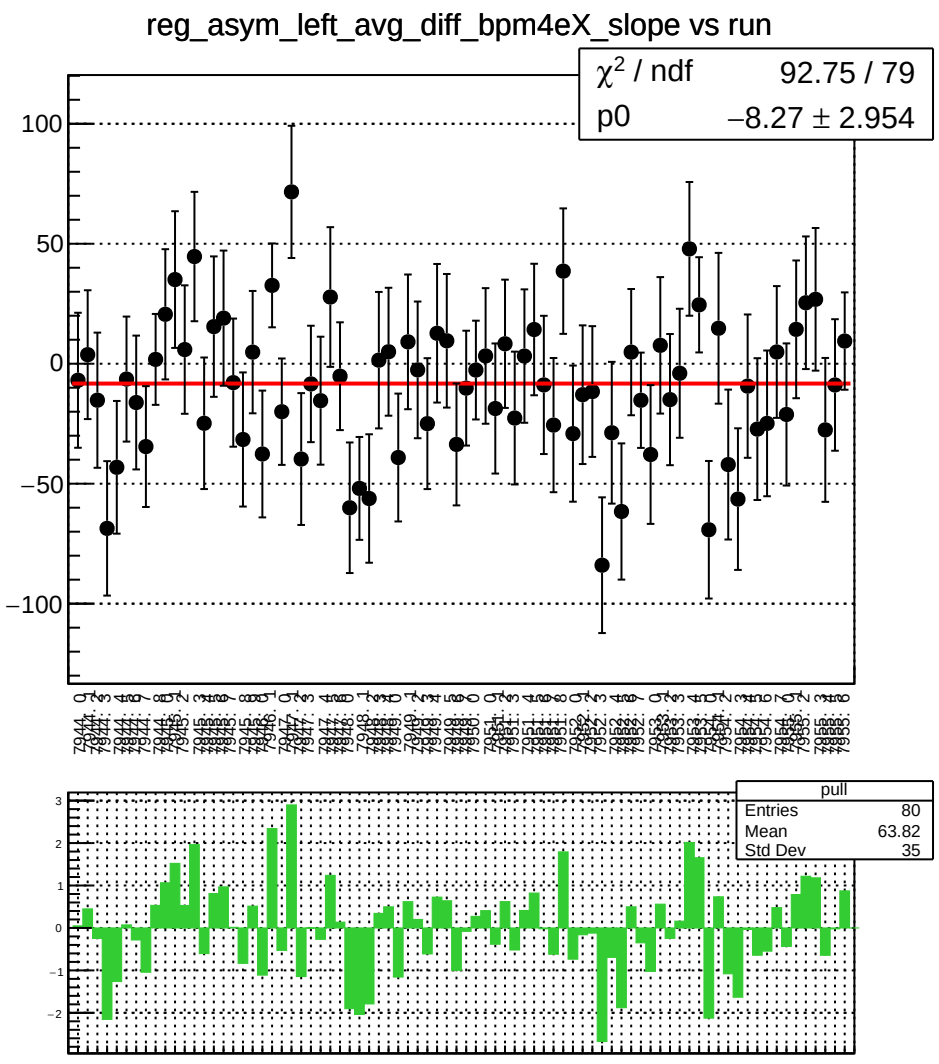

pull1D
Entries 80
Mean 0.08428
Std Dev 1.077

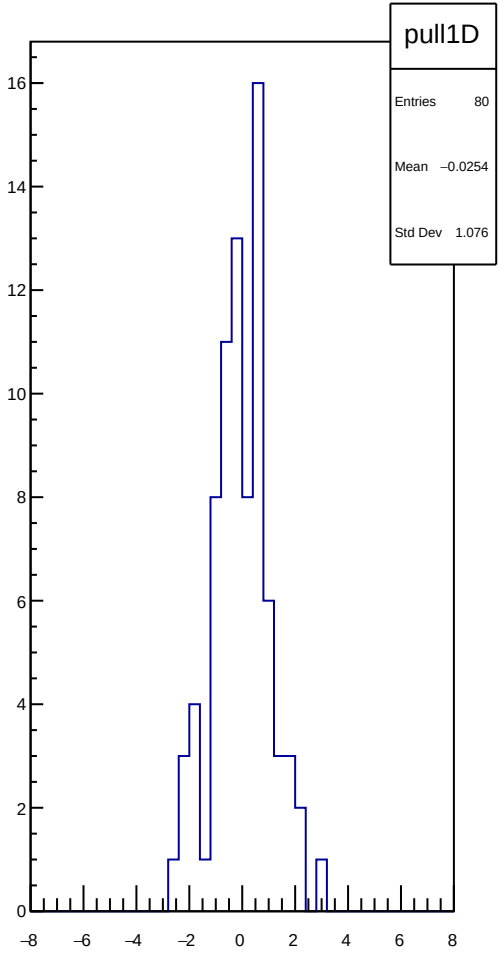

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 92.88 / 79
p0 −23.16 ± 3.329
pull
Entries 80
Mean 71.26
Std Dev 39.77

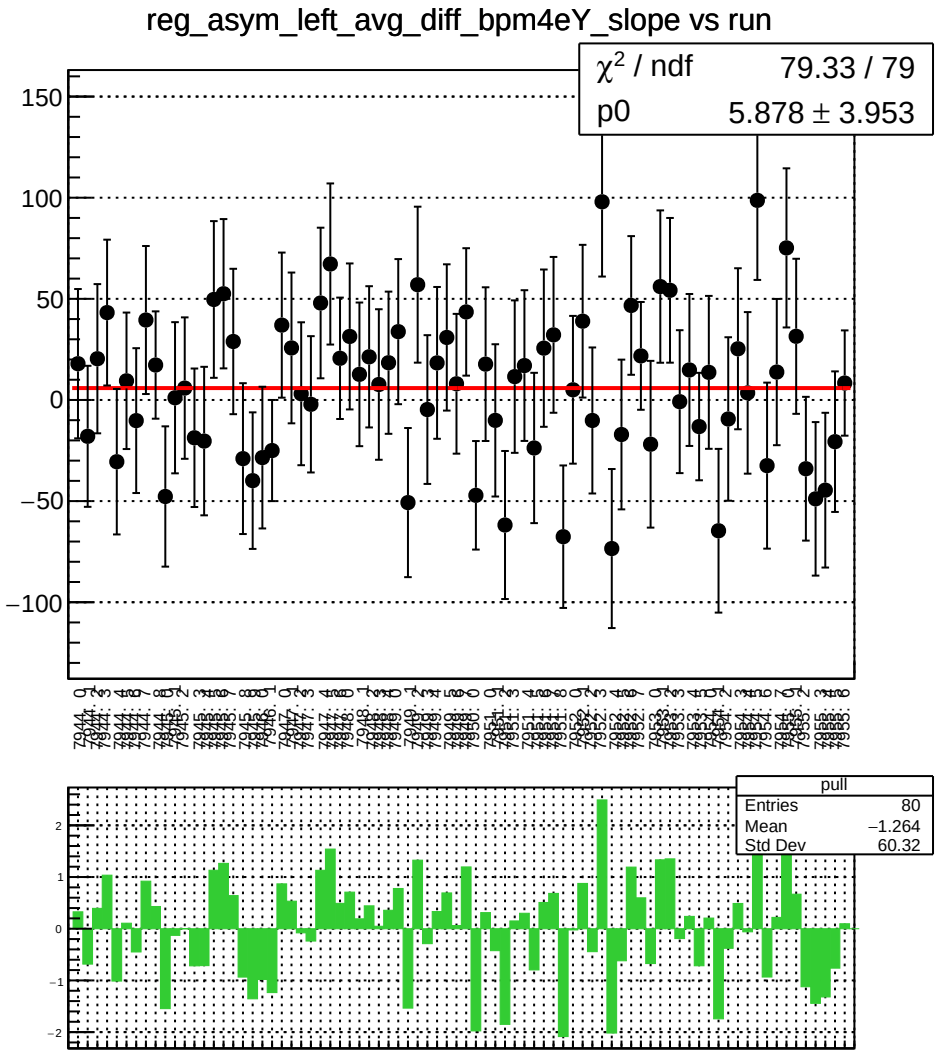

pull1D
Entries 80
Mean 0.02458
Std Dev 1.077

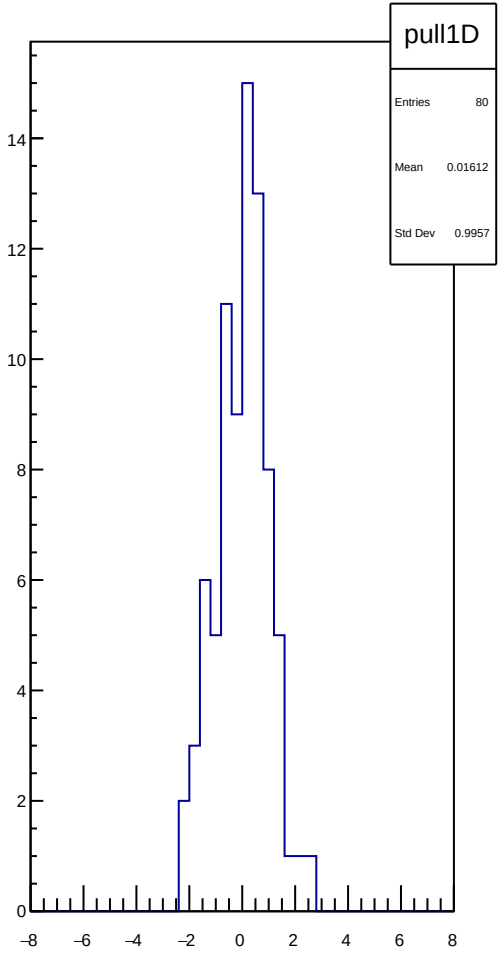

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.59 / 79
p0 7.106 ± 3.438
100
50
0
−50
−100
pull
Entries 80
Mean 35.15
Std Dev 43.44
2
1
0
−1
−2

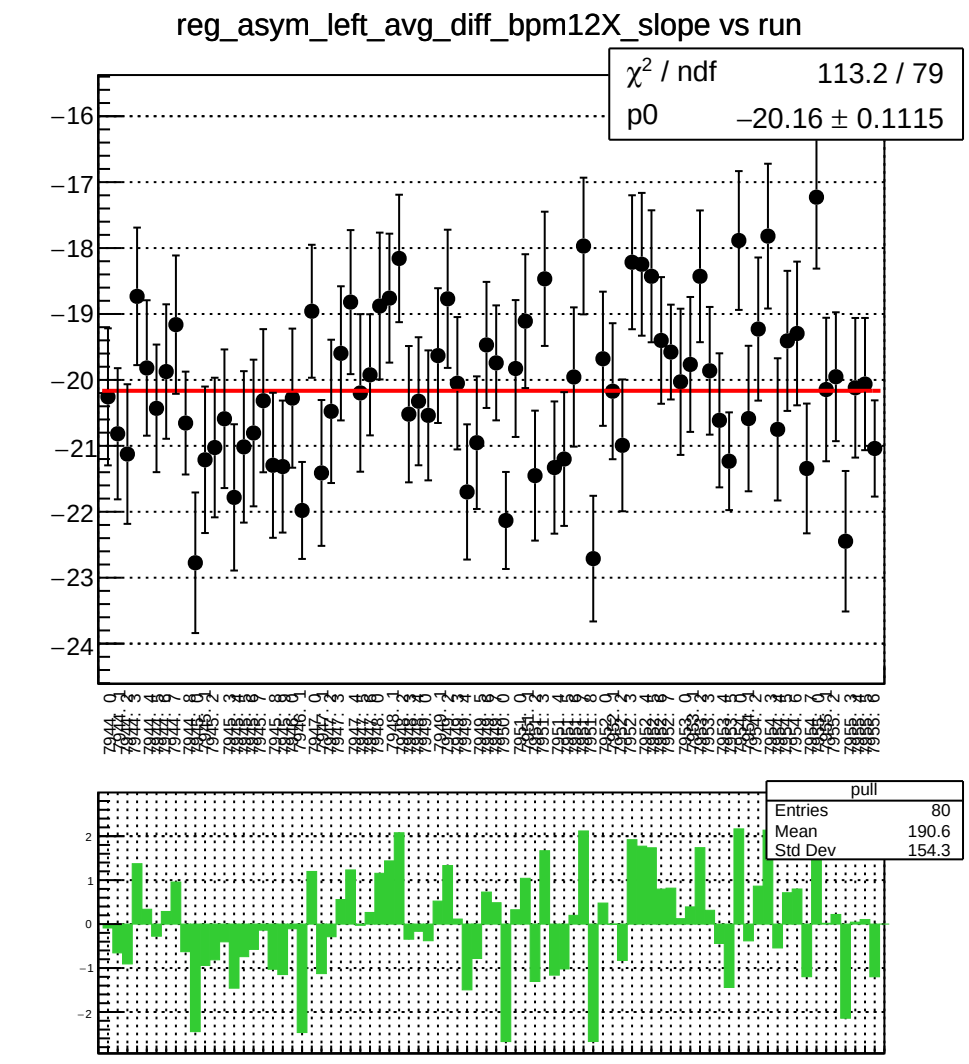

pull1D
Entries 80
Mean −0.01879
Std Dev 0.9972
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

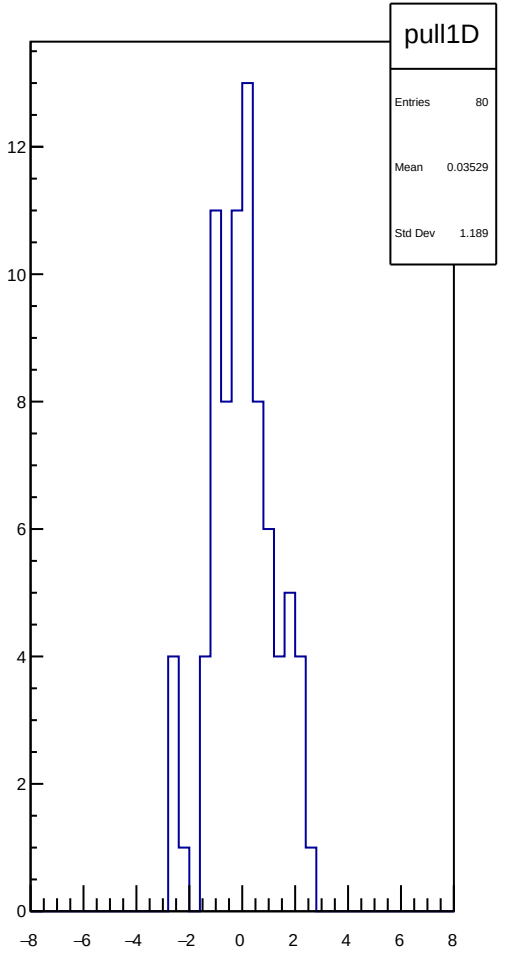

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.75 / 79
p0 −8.27 ± 2.954
pull
Entries 80
Mean 63.82
Std Dev 35

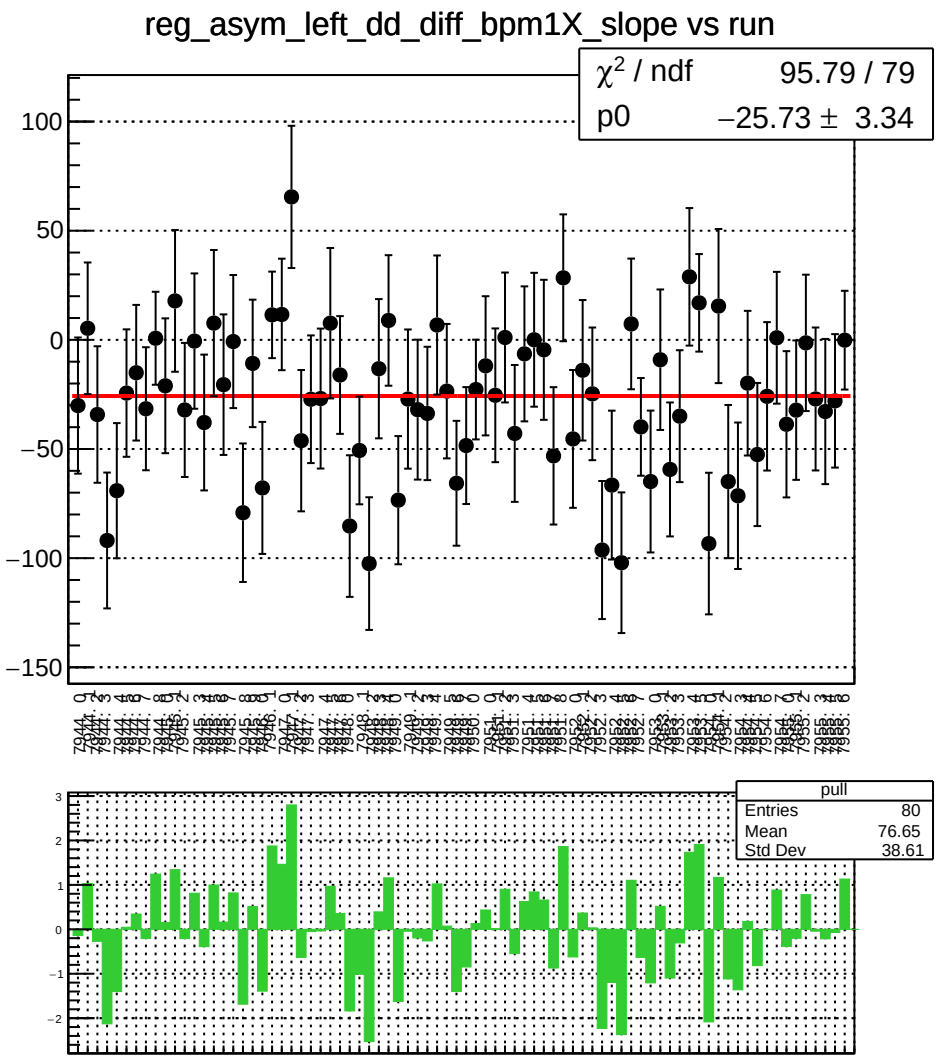

pull1D
Entries 80
Mean −0.0254
Std Dev 1.076

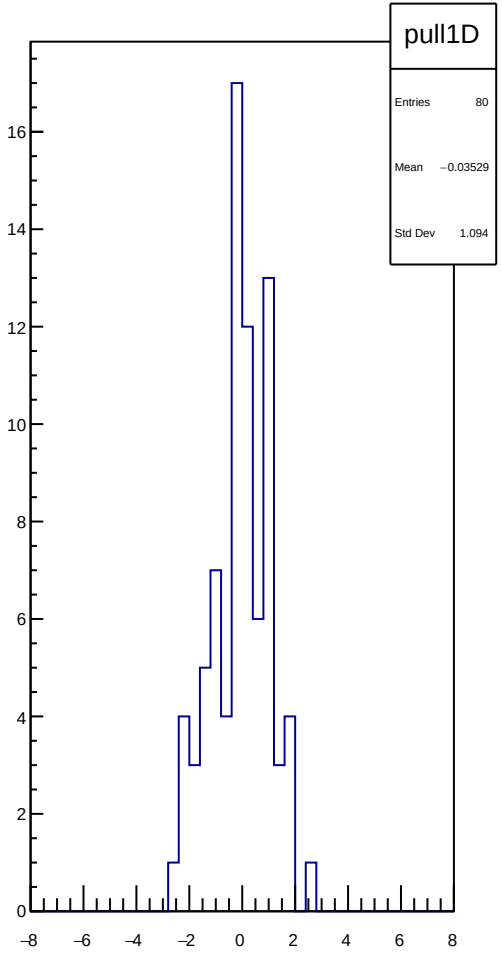

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 79.33 / 79
p0 5.878 ± 3.953
150
100
50
0
−50
−100
pull
Entries 80
Mean −1.264
Std Dev 60.32
2
1
0
−1
−2

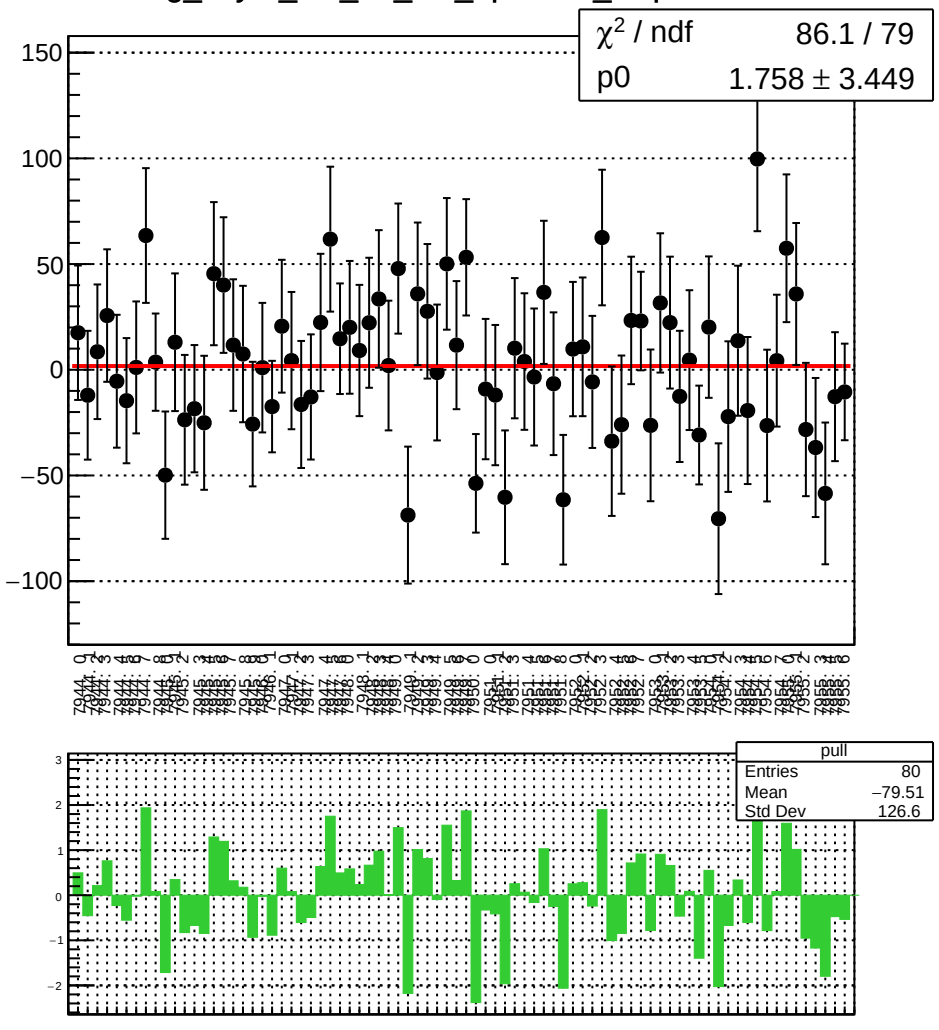

pull1D
Entries 80
Mean 0.01612
Std Dev 0.9957
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

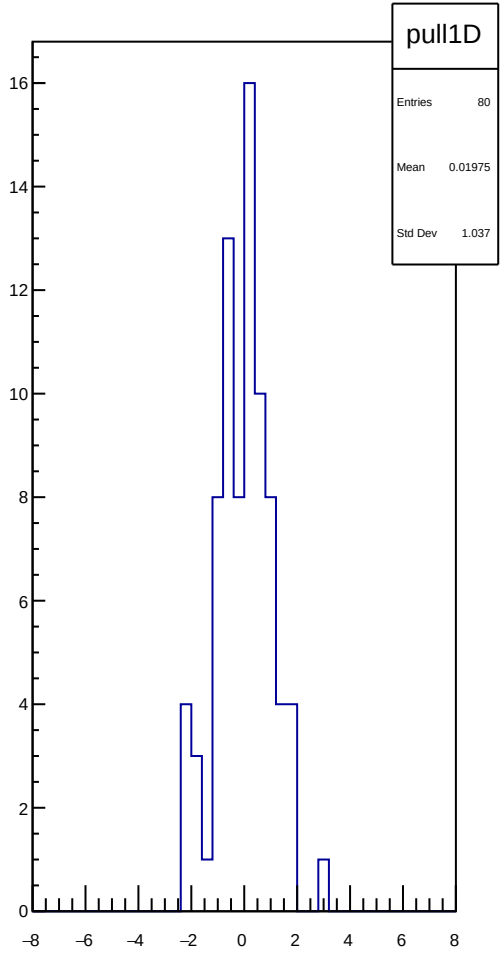

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 113.2 / 79
p0 −20.16 ± 0.1115
pull
Entries 80
Mean 190.6
Std Dev 154.3

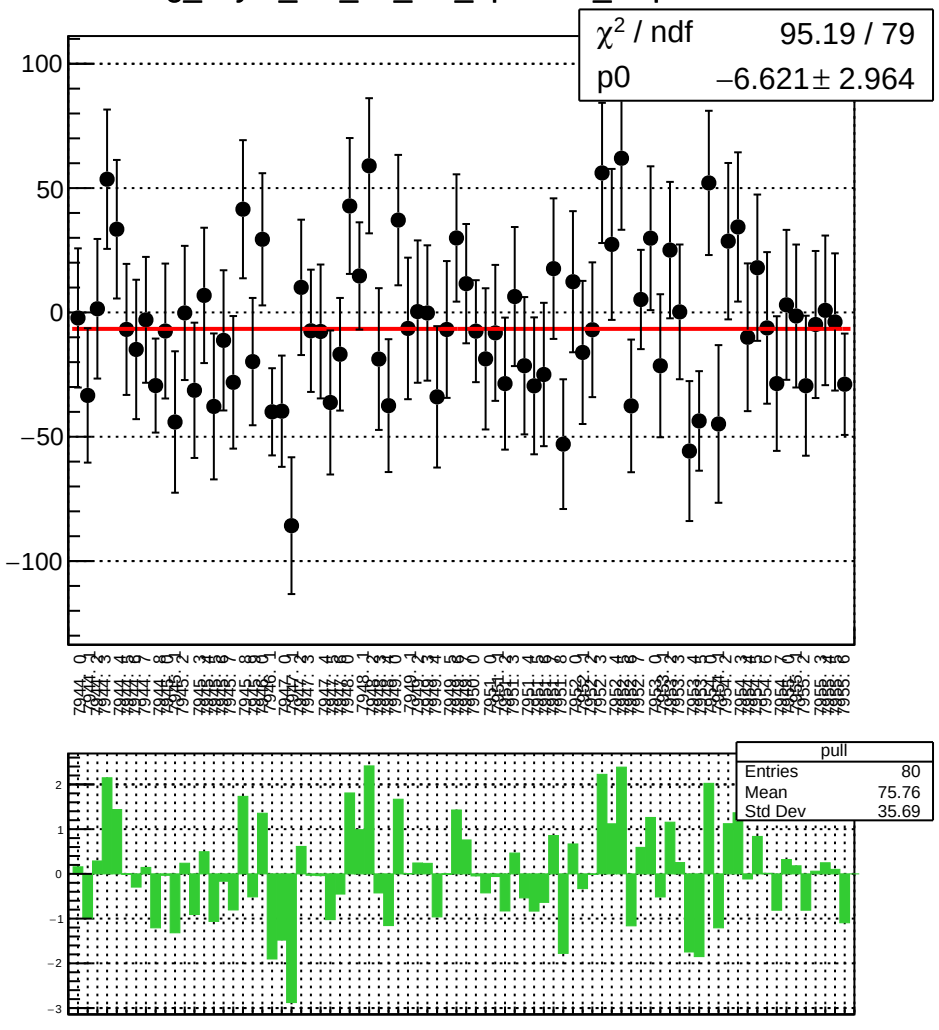

pull1D
Entries 80
Mean 0.03529
Std Dev 1.189

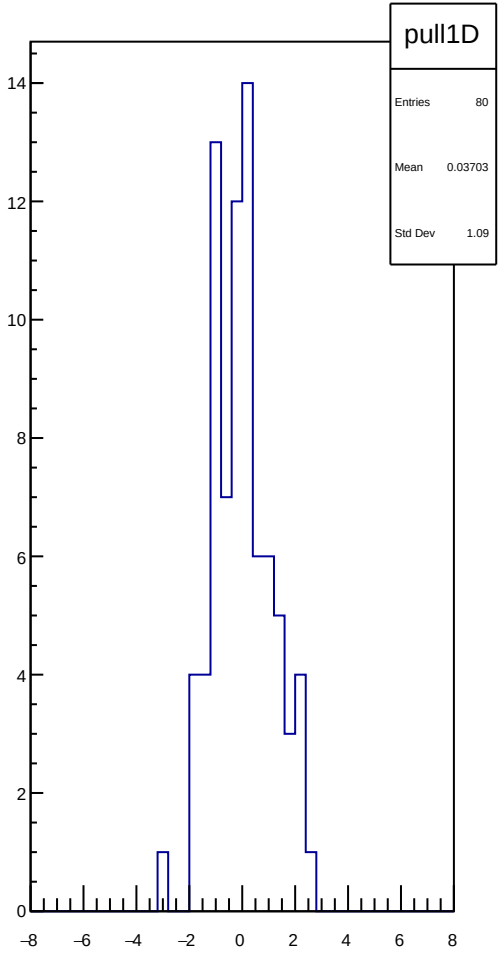

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 95.79 / 79
p0 −25.73 ± 3.34
pull
Entries 80
Mean 76.65
Std Dev 38.61

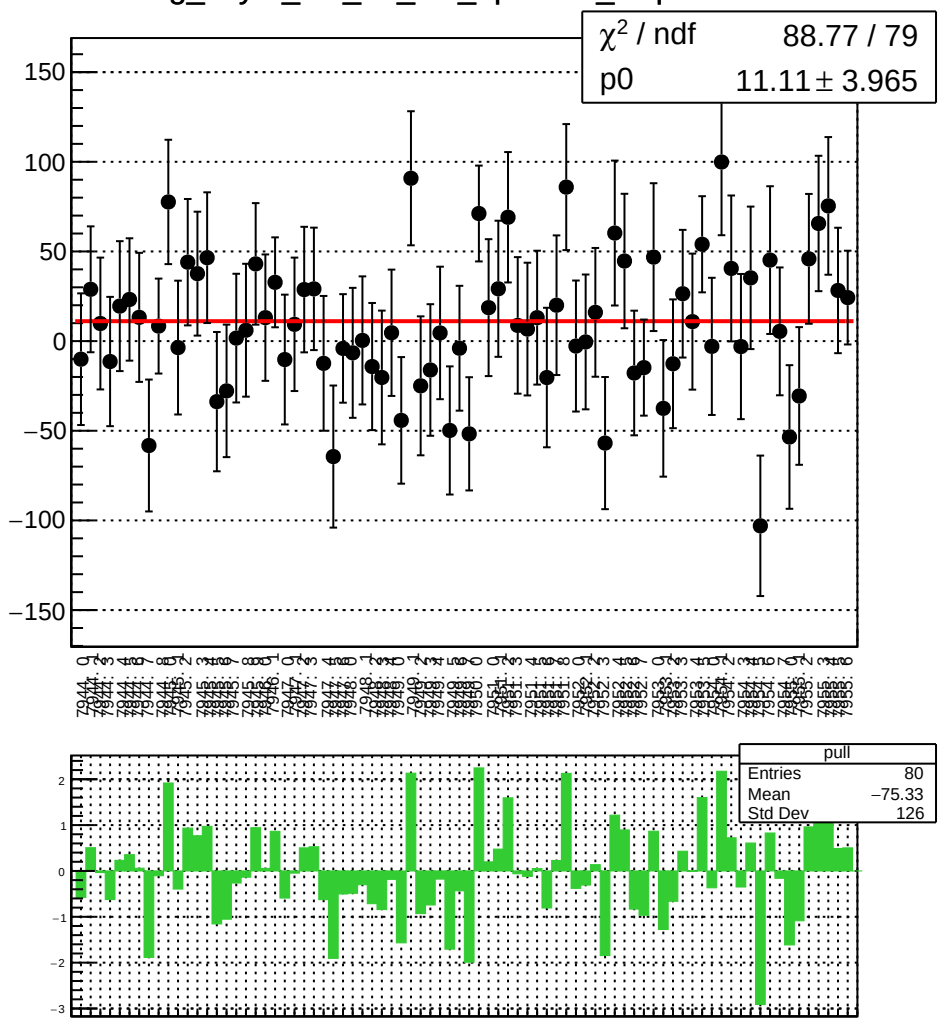

pull1D
Entries 80
Mean −0.03529
Std Dev 1.094

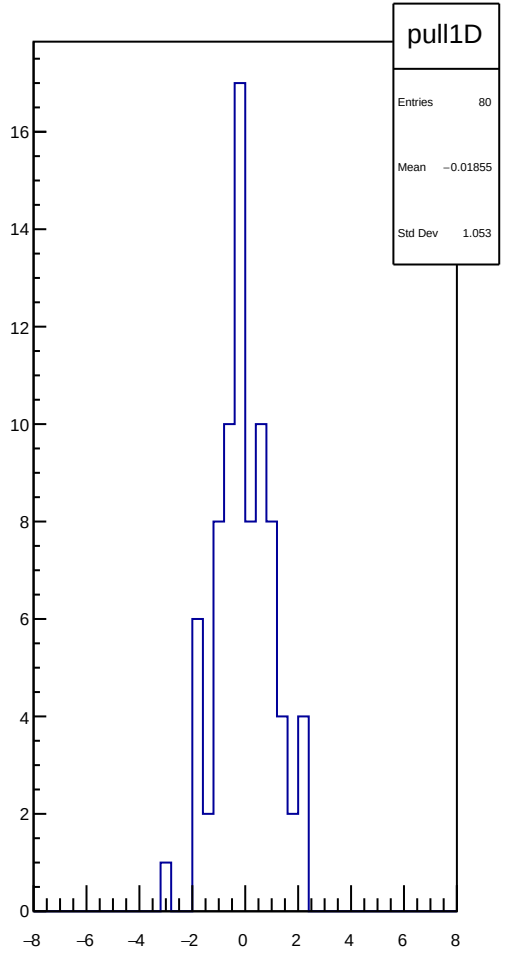

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.1 / 79
p0 1.758 ± 3.449
150
100
50
0
−50
−100
pull
Entries 80
Mean −79.51
Std Dev 126.6
3
2
1
0
−1
−2

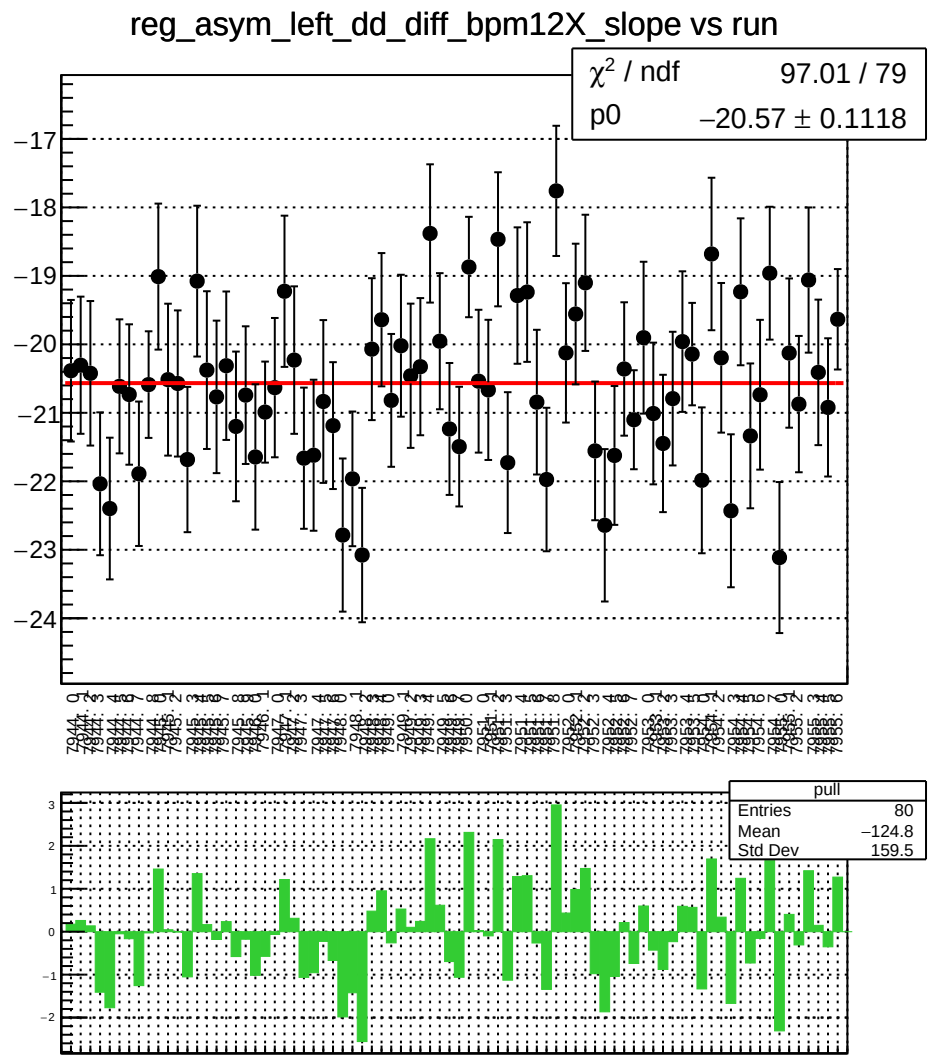

pull1D
Entries 80
Mean 0.01975
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

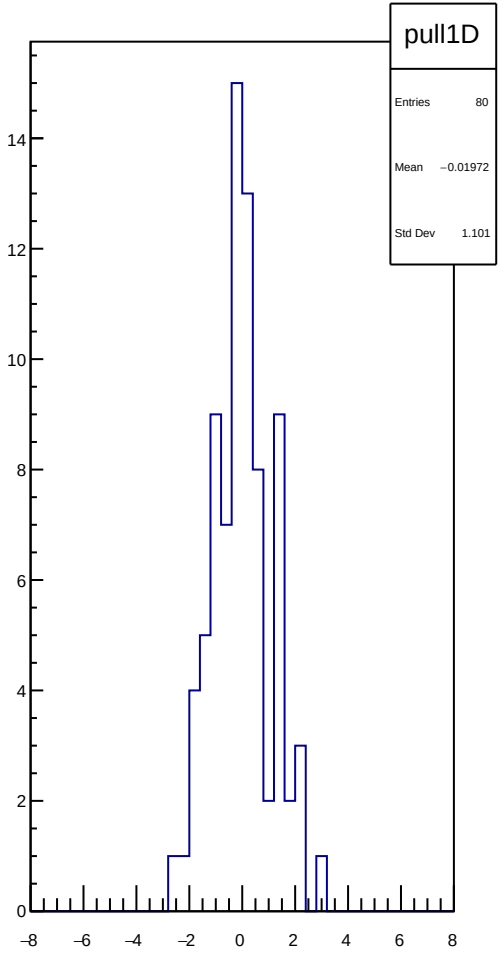

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 95.19 / 79
p0 −6.621 ± 2.964
pull
Entries 80
Mean 75.76
Std Dev 35.69

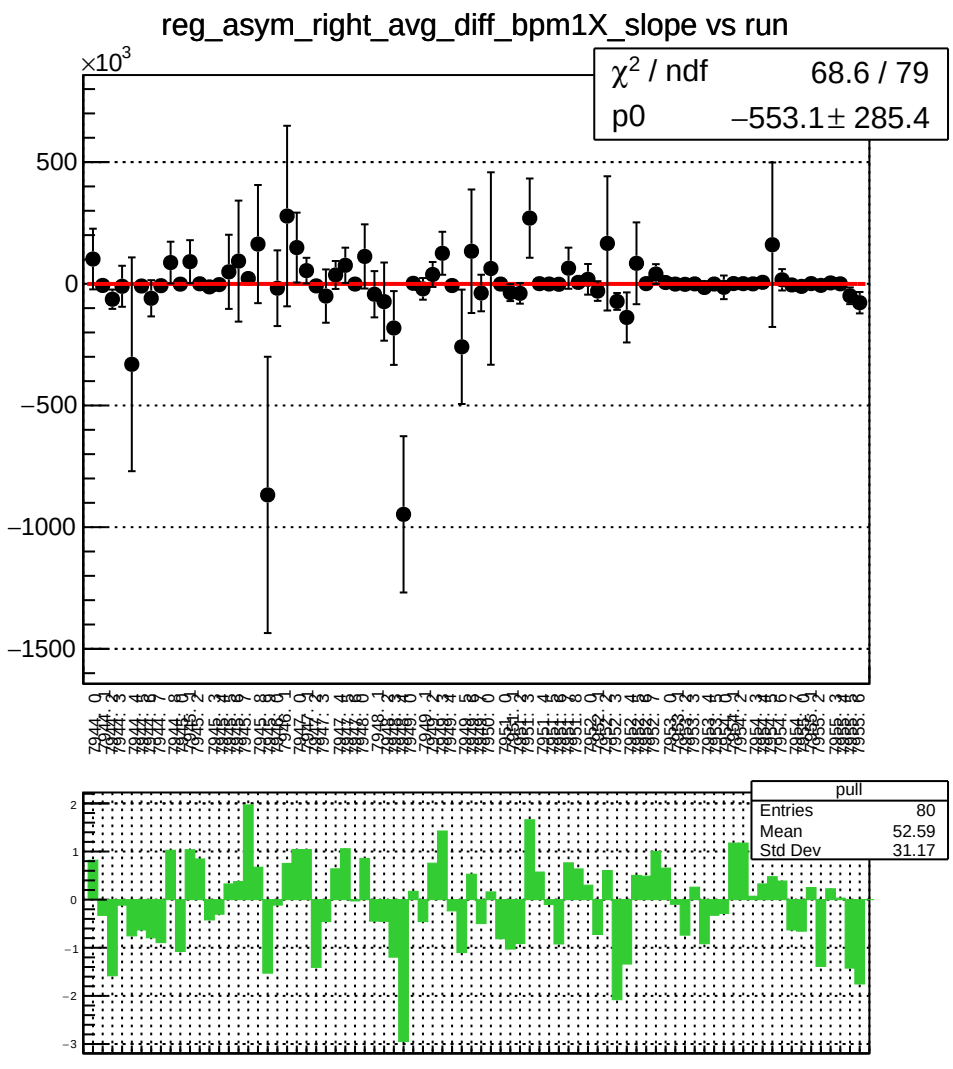

pull1D
Entries 80
Mean 0.03703
Std Dev 1.09

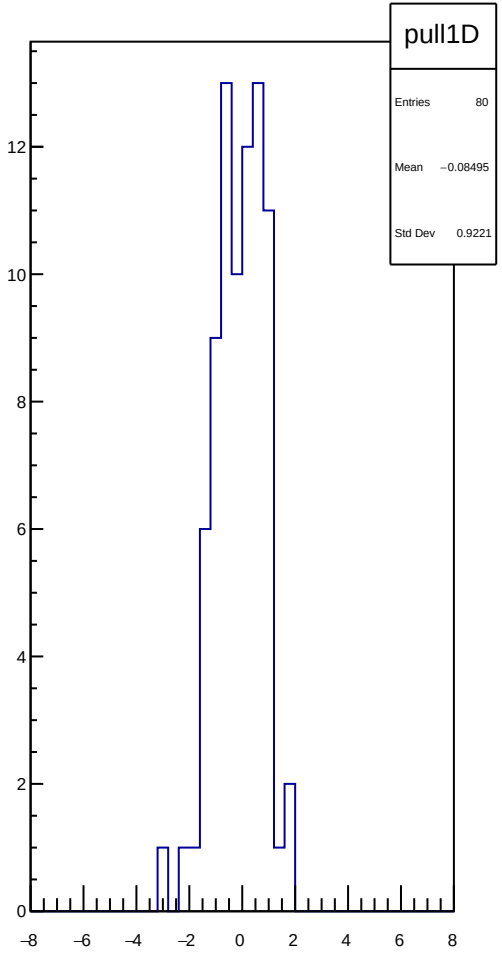

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 88.77 / 79
p0 11.11 ± 3.965
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −75.33
Std Dev 126
2
1
0
−1
−2
−3

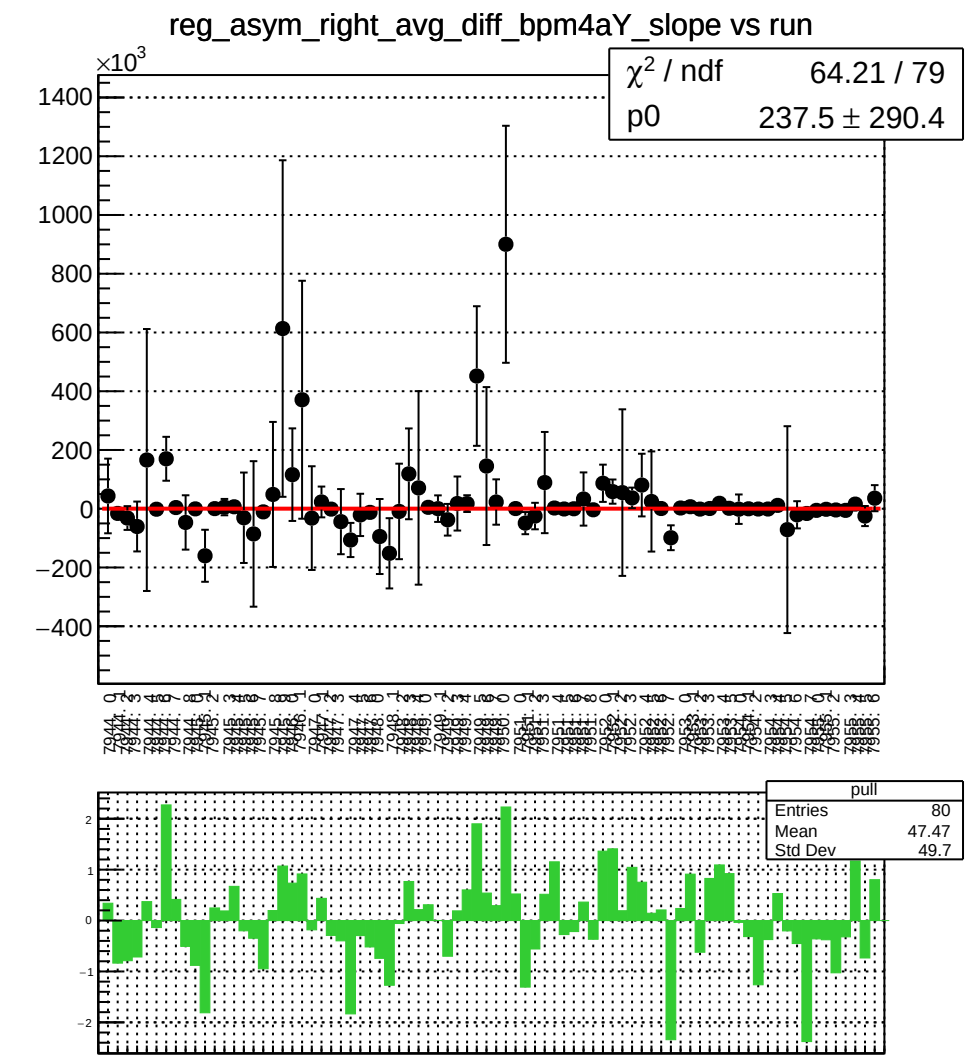

pull1D
Entries 80
Mean −0.01855
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

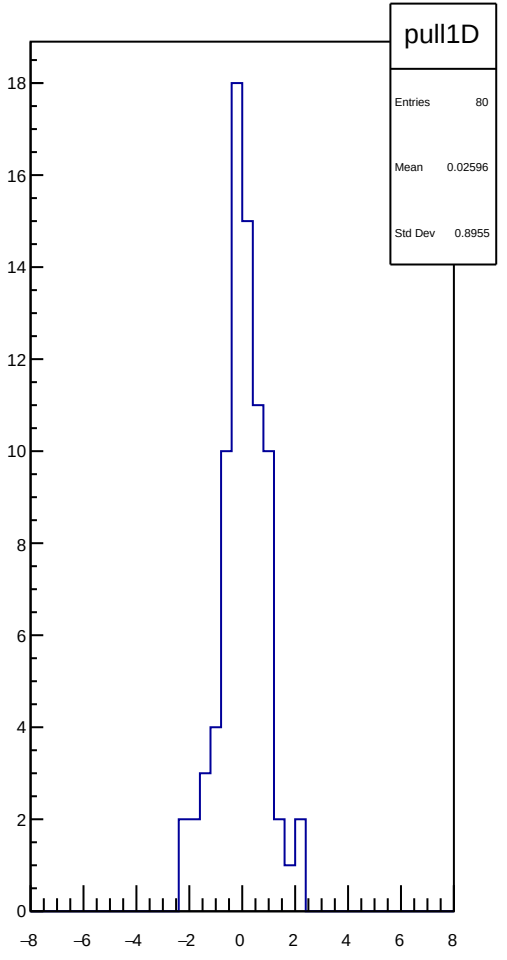

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 97.01 / 79
p0 −20.57 ± 0.1118
pull
Entries 80
Mean −124.8
Std Dev 159.5

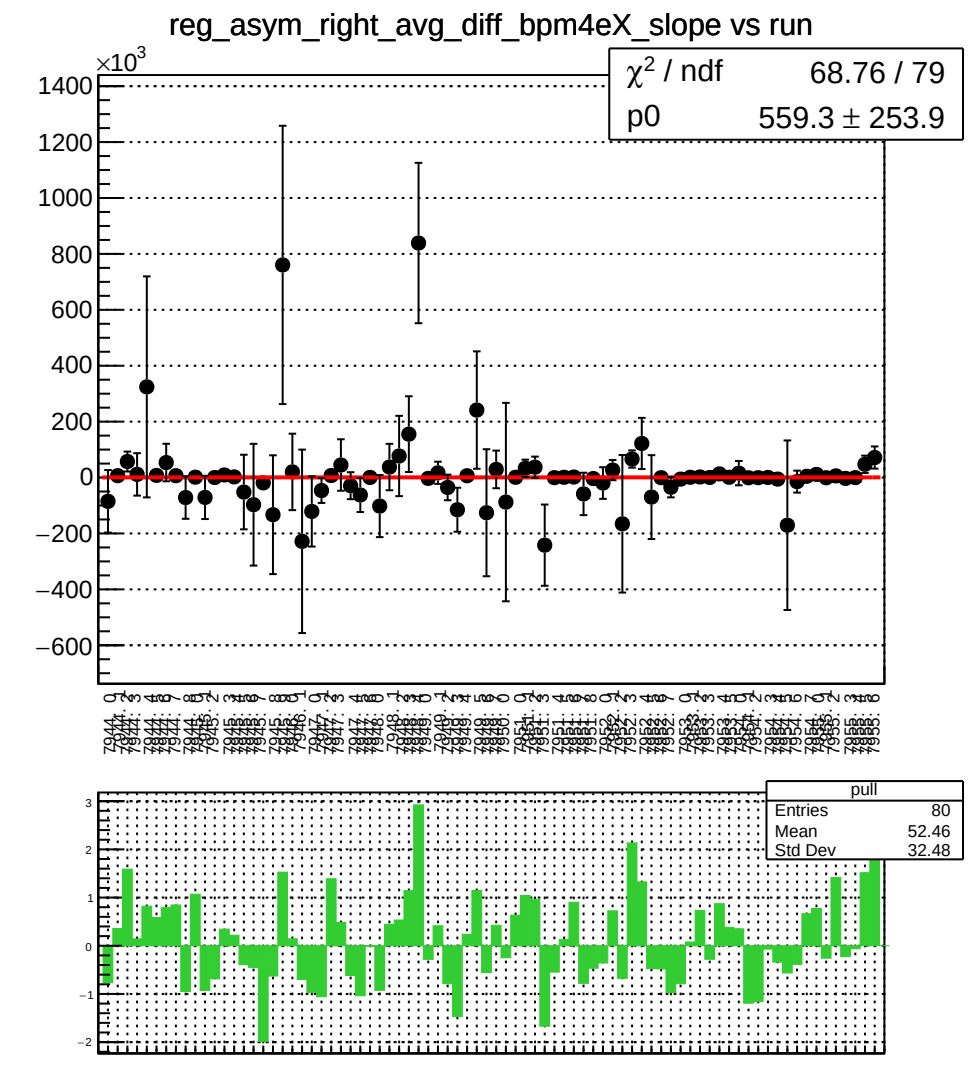

pull1D
Entries 80
Mean −0.01972
Std Dev 1.101

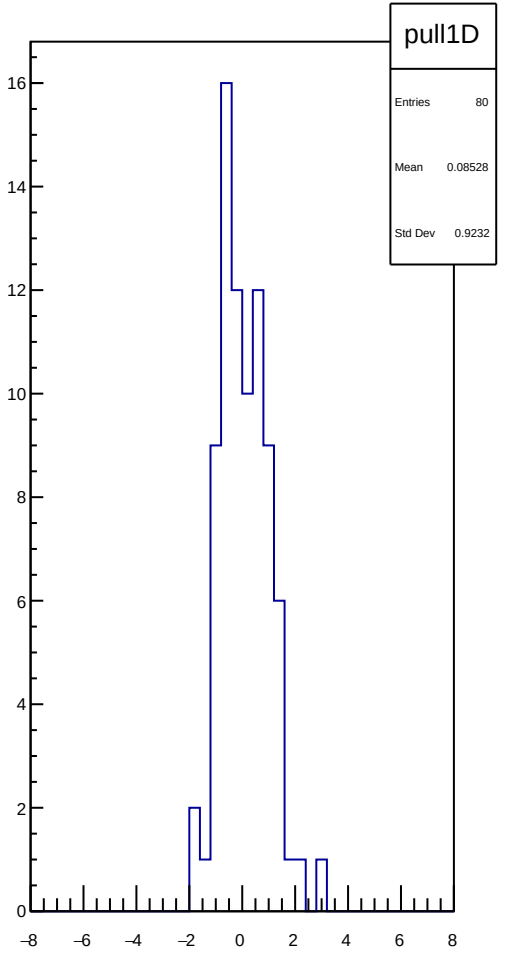

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 68.6 / 79
p0 −553.1± 285.4
×10³
500
0
−500
−1000
−1500
pull
Entries 80
Mean 52.59
Std Dev 31.17
2
1
0
−1
−2
−3

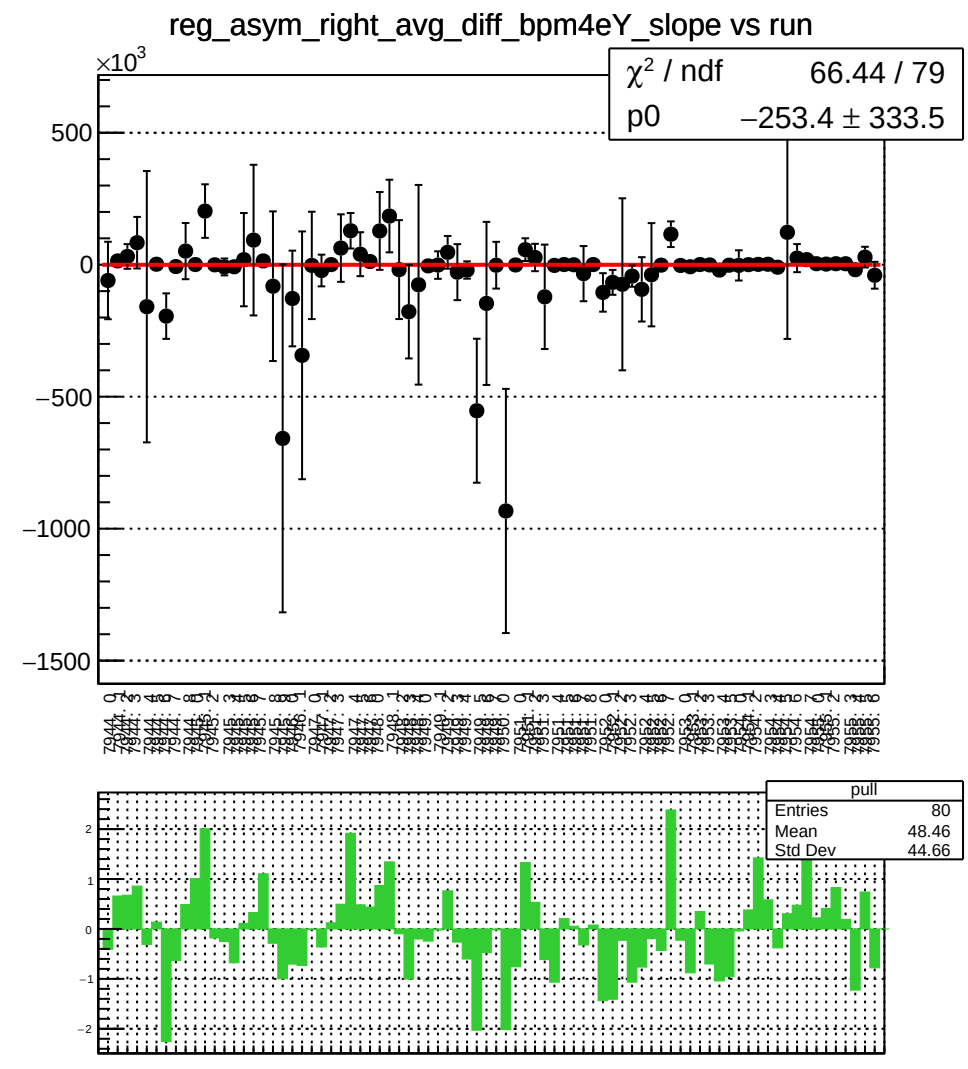

pull1D
Entries 80
Mean −0.08495
Std Dev 0.9221
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

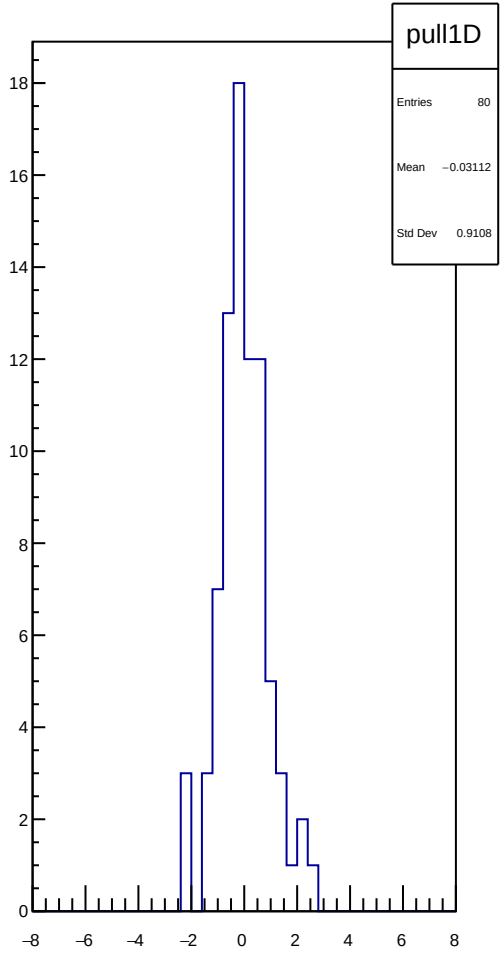

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 64.21 / 79
p0 237.5 ± 290.4
pull
Entries 80
Mean 47.47
Std Dev 49.7

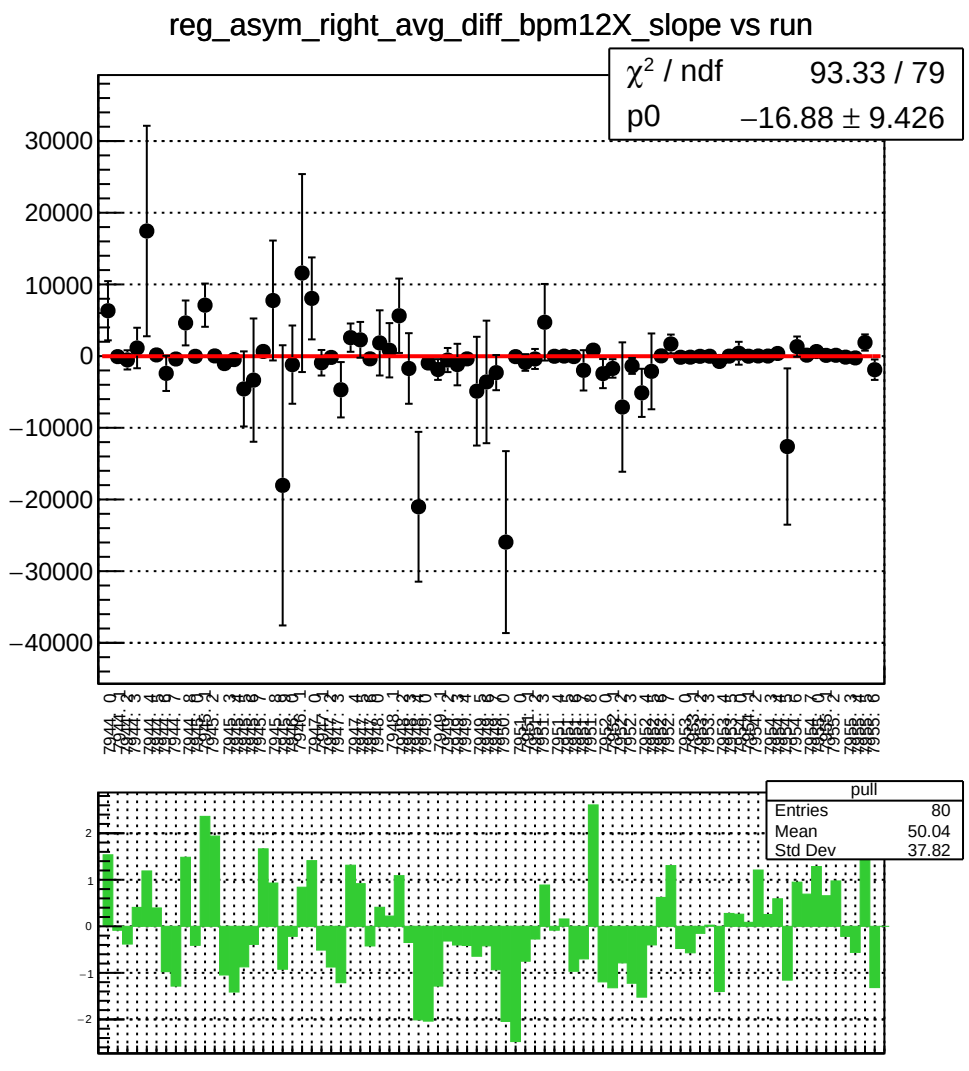

pull1D
Entries 80
Mean 0.02596
Std Dev 0.8955

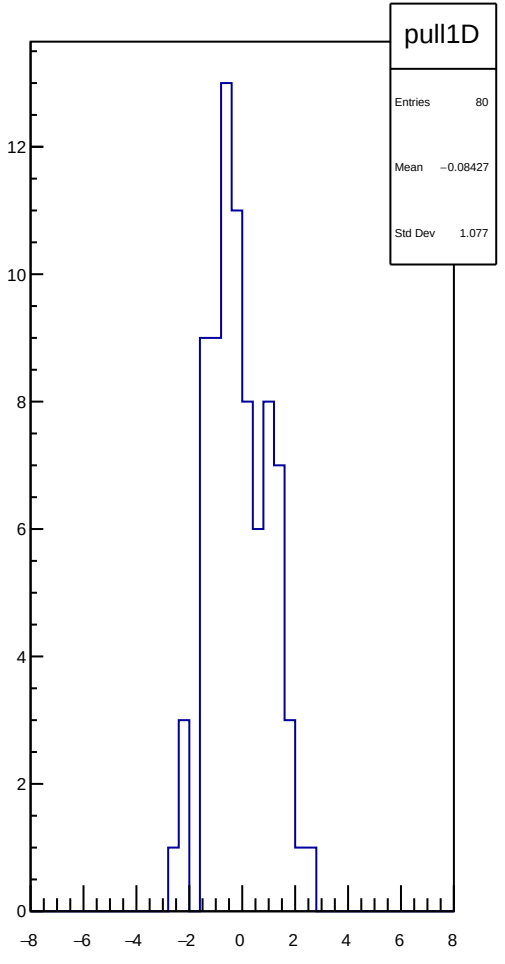

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.76 / 79
p0 559.3 ± 253.9
pull
Entries 80
Mean 52.46
Std Dev 32.48

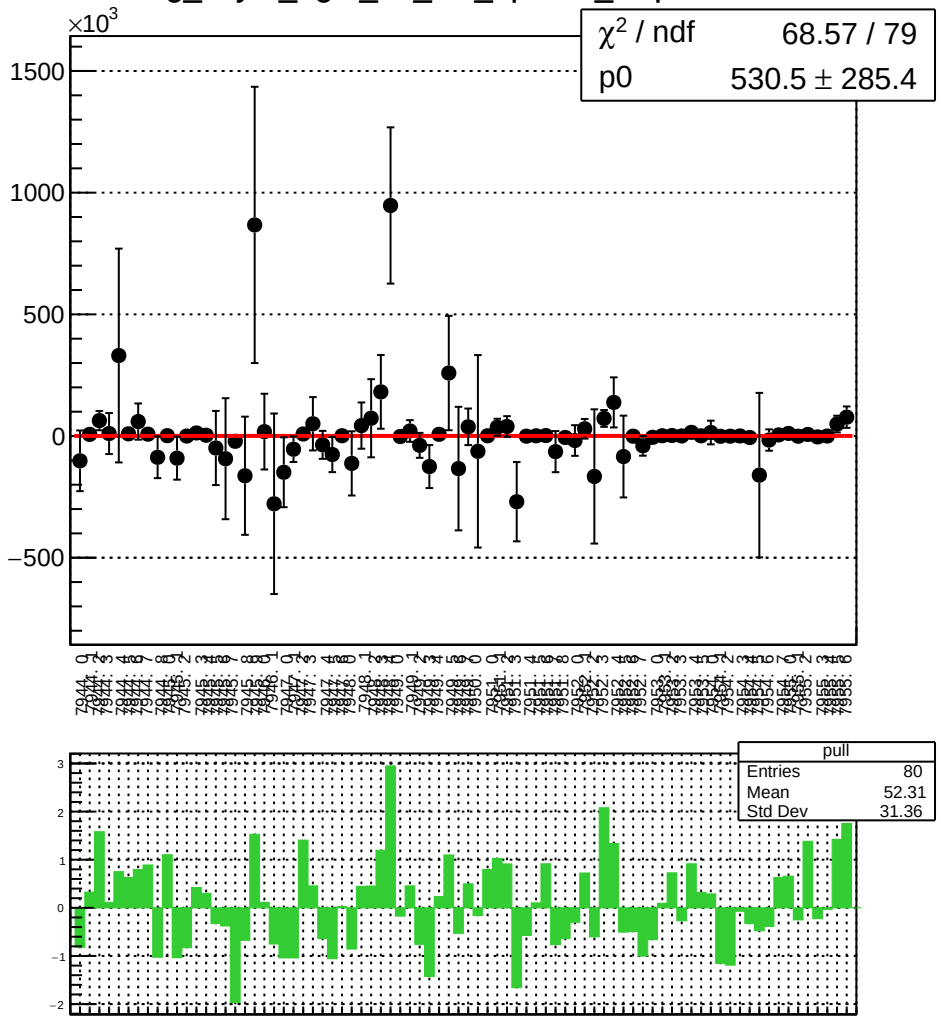

pull1D
Entries 80
Mean 0.08528
Std Dev 0.9232

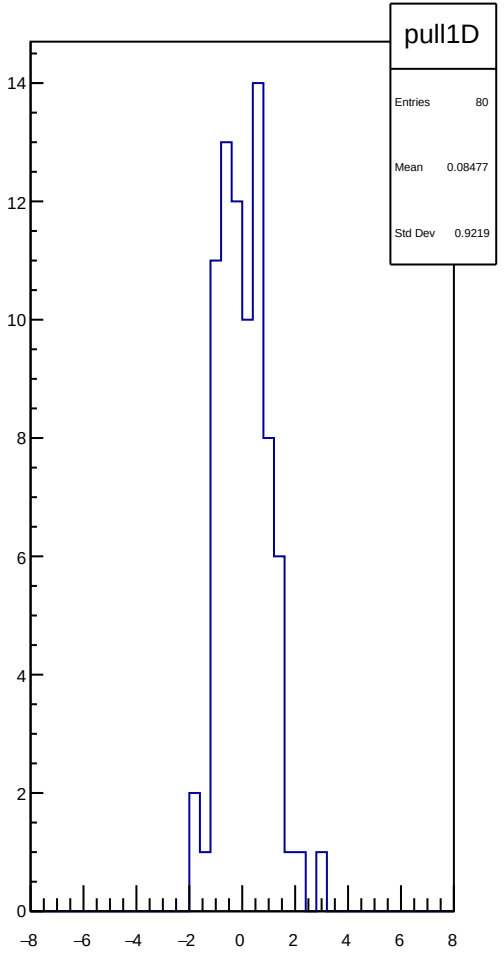

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 66.44 / 79
p0 −253.4 ± 333.5
500
0
−500
−1000
−1500
pull
Entries 80
Mean 48.46
Std Dev 44.66
2
1
0
−1
−2

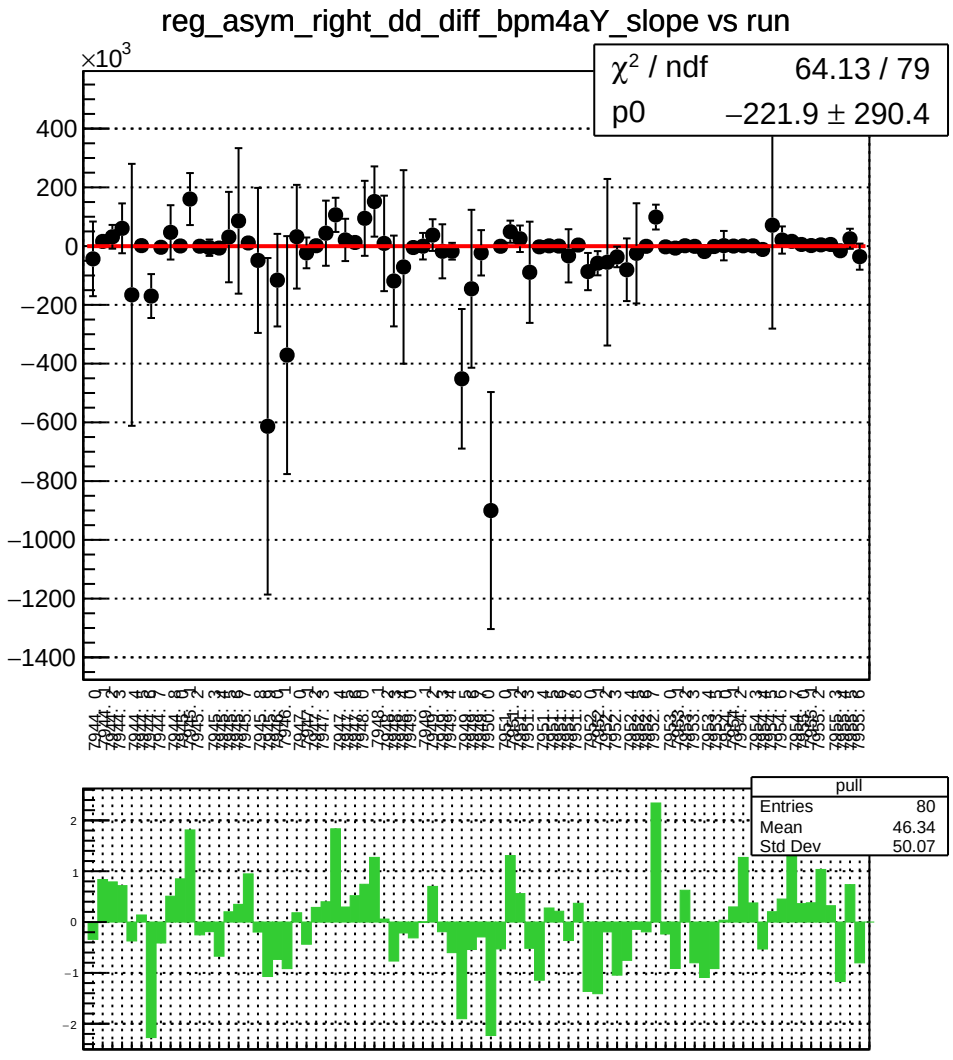

pull1D
Entries 80
Mean −0.03112
Std Dev 0.9108
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

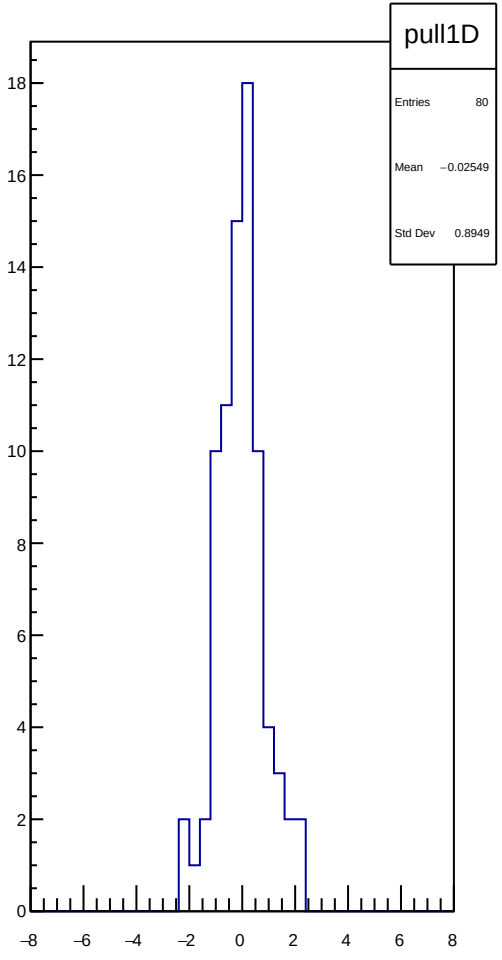

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 93.33 / 79
p0 −16.88 ± 9.426
pull
Entries 80
Mean 50.04
Std Dev 37.82

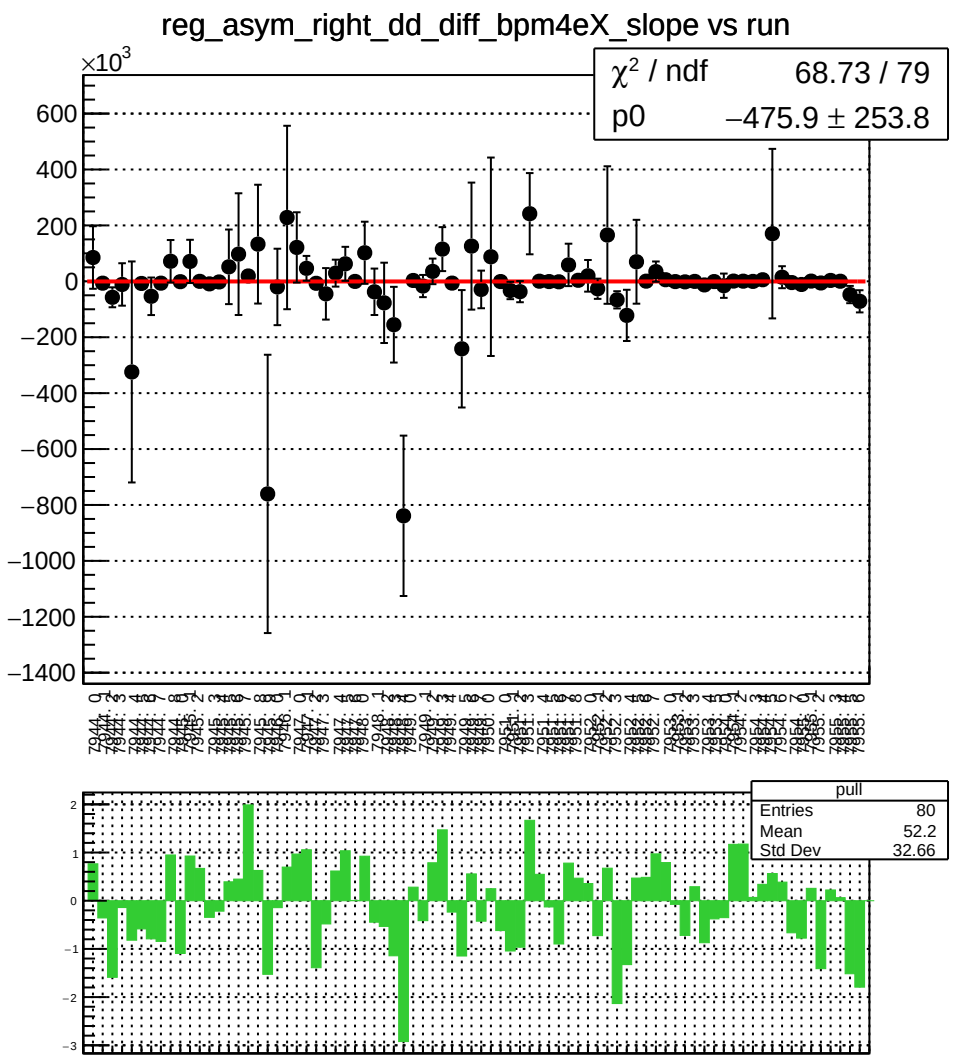

pull1D
Entries 80
Mean −0.08427
Std Dev 1.077

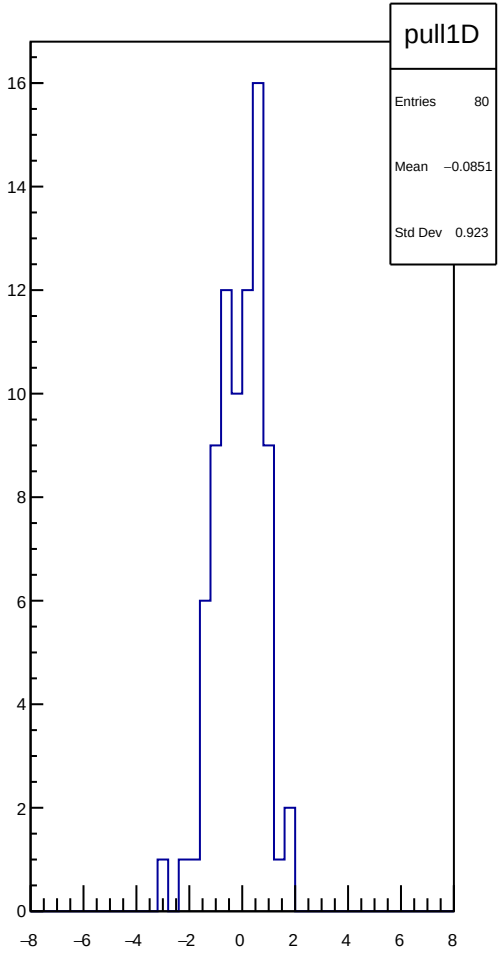

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 68.57 / 79
p0 530.5 ± 285.4
1500
1000
500
0
−500
pull
Entries 80
Mean 52.31
Std Dev 31.36
3
2
1
0
−1
−2

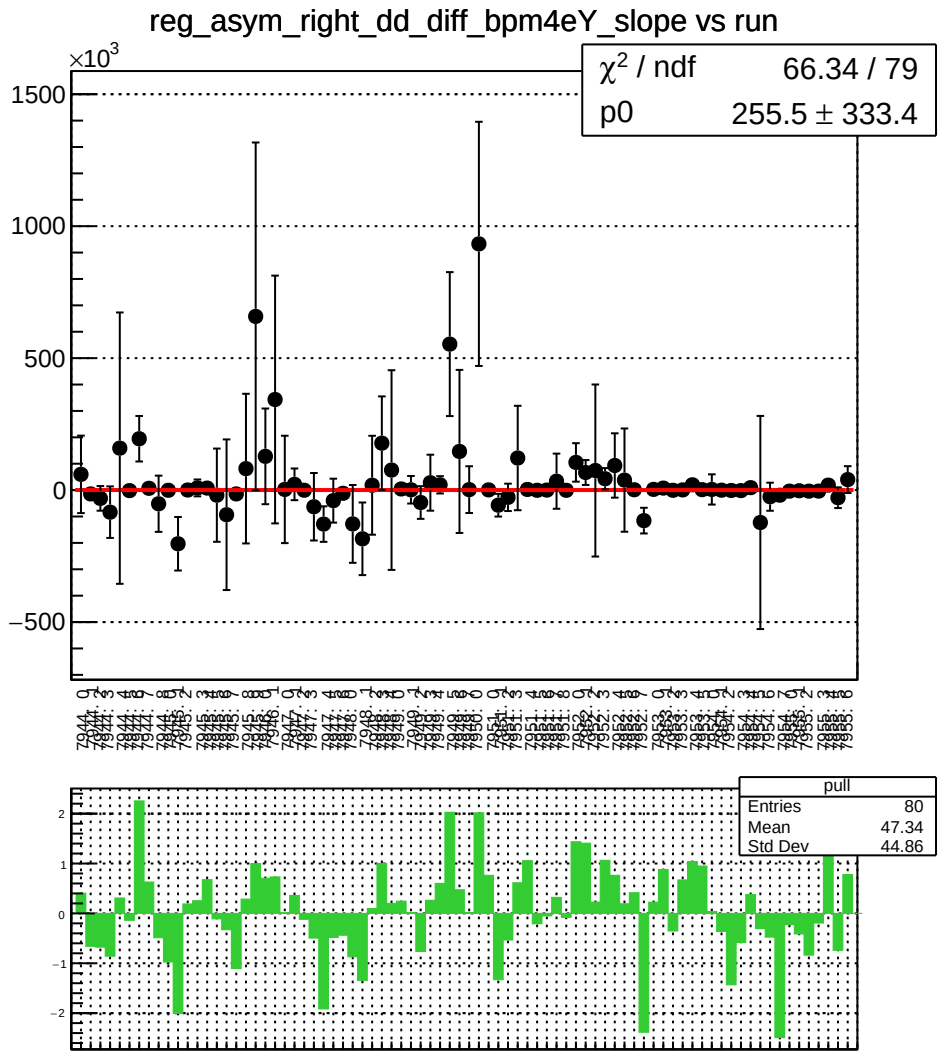

pull1D
Entries 80
Mean 0.08477
Std Dev 0.9219
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

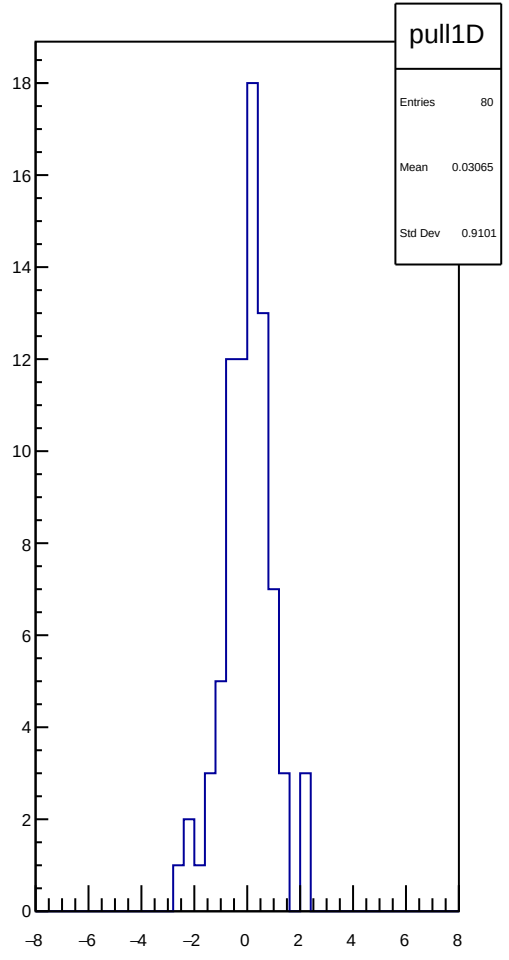

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.13 / 79
p0 −221.9 ± 290.4
pull
Entries 80
Mean 46.34
Std Dev 50.07

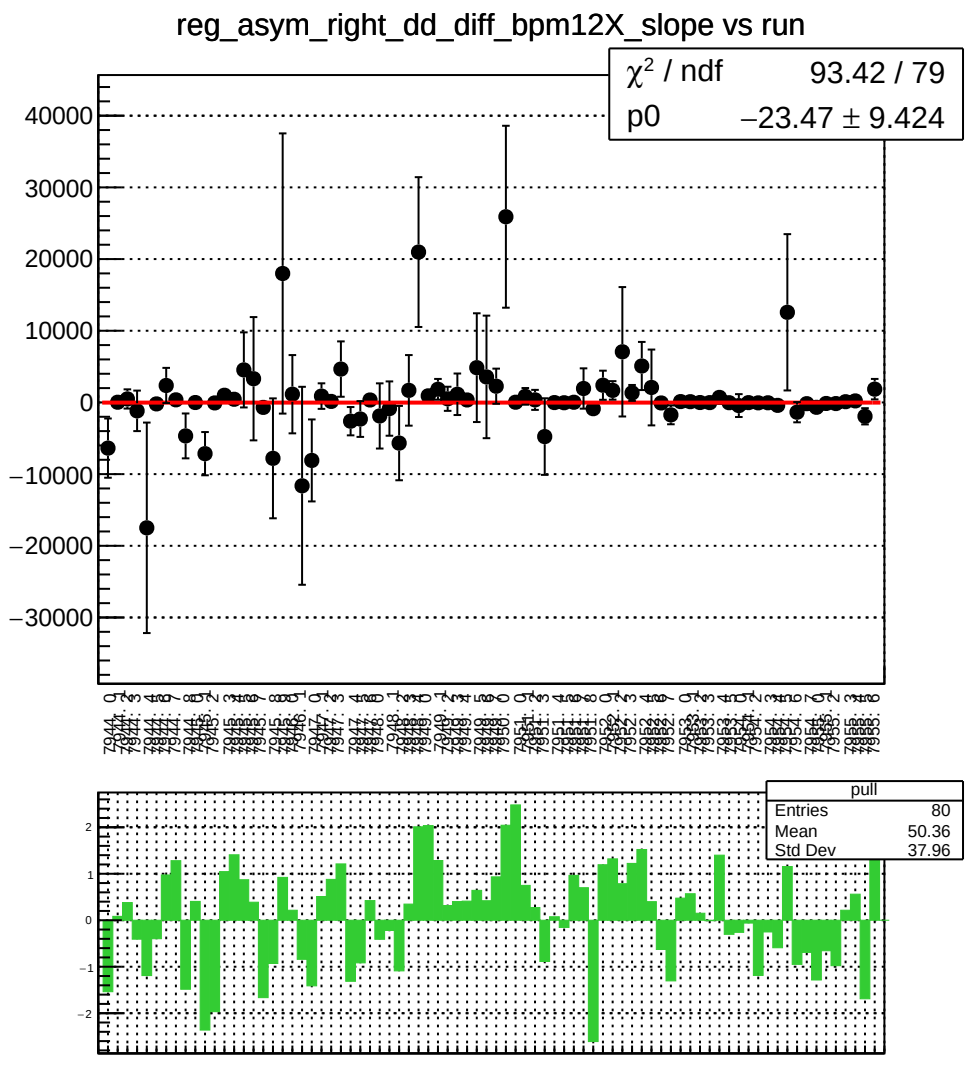

pull1D
Entries 80
Mean −0.02549
Std Dev 0.8949

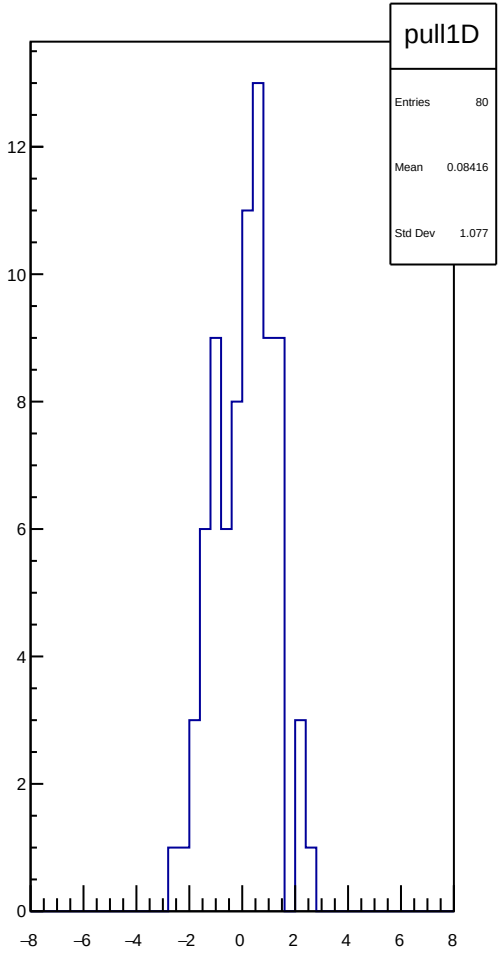

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.73 / 79
p0 −475.9 ± 253.8
×10³
pull
Entries 80
Mean 52.2
Std Dev 32.66

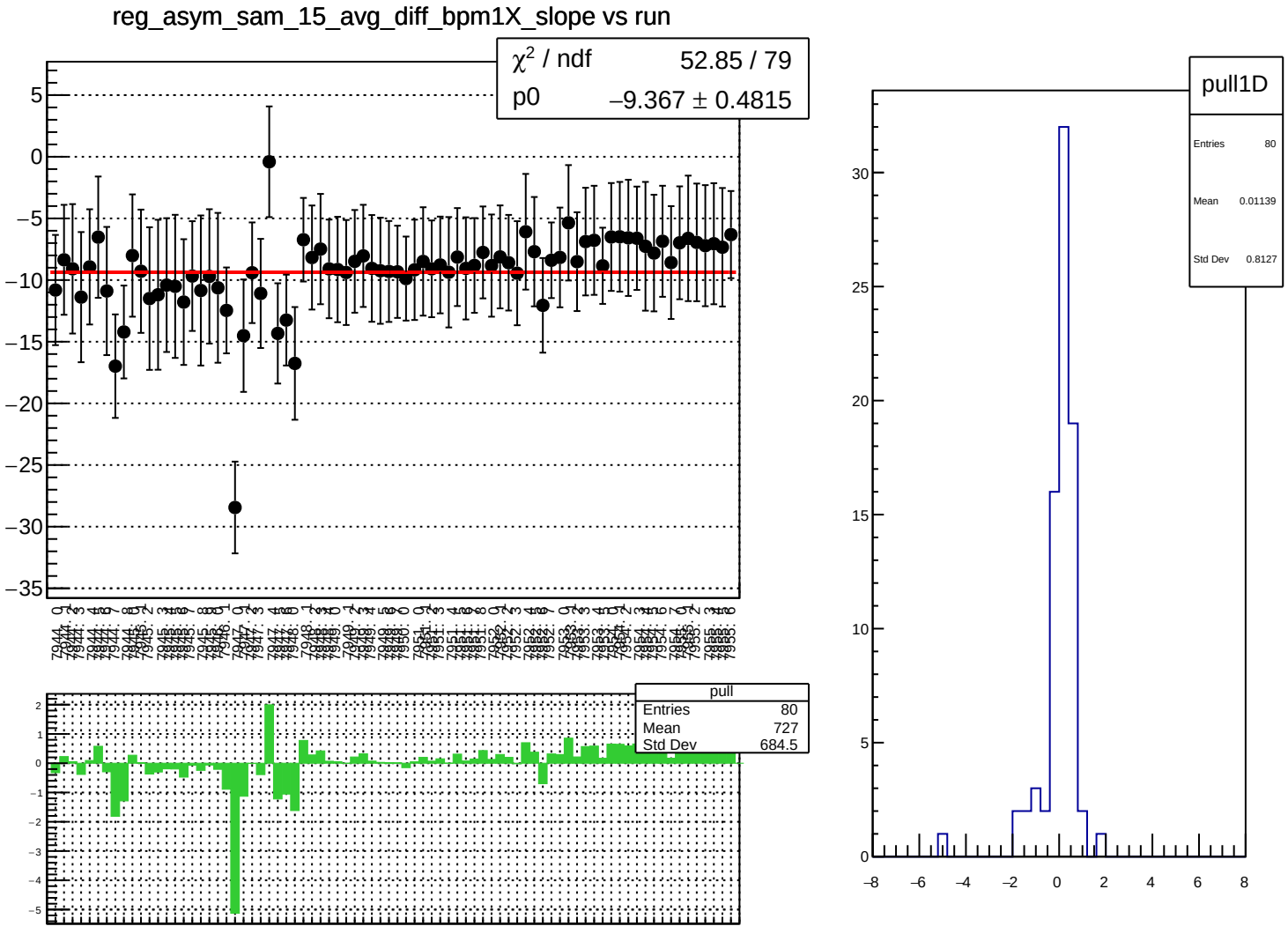

pull1D
Entries 80
Mean −0.0851
Std Dev 0.923

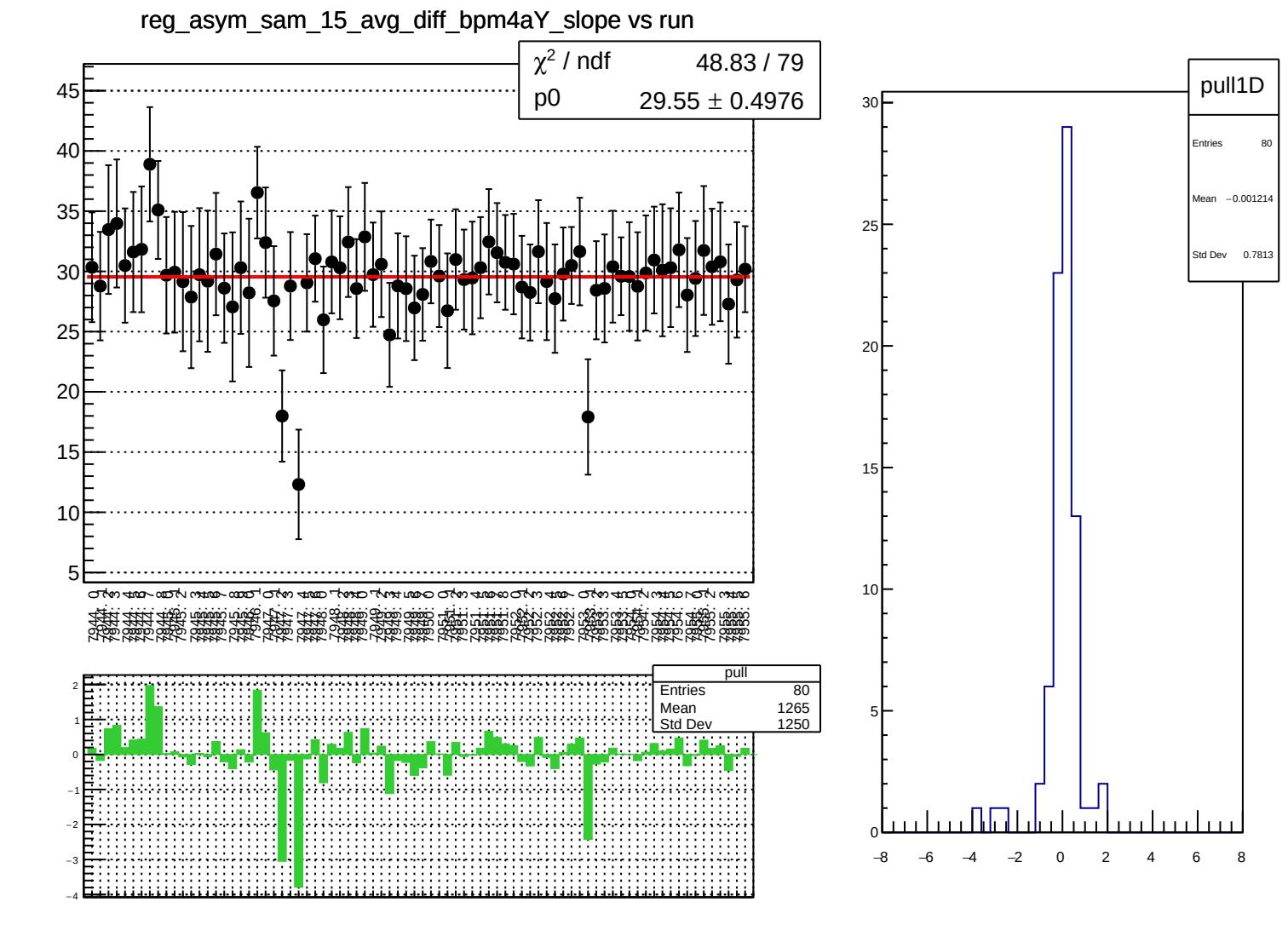

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 66.34 / 79
p0 255.5 ± 333.4
1500
1000
500
0
−500
pull
Entries 80
Mean 47.34
Std Dev 44.86
2
1
0
−1
−2

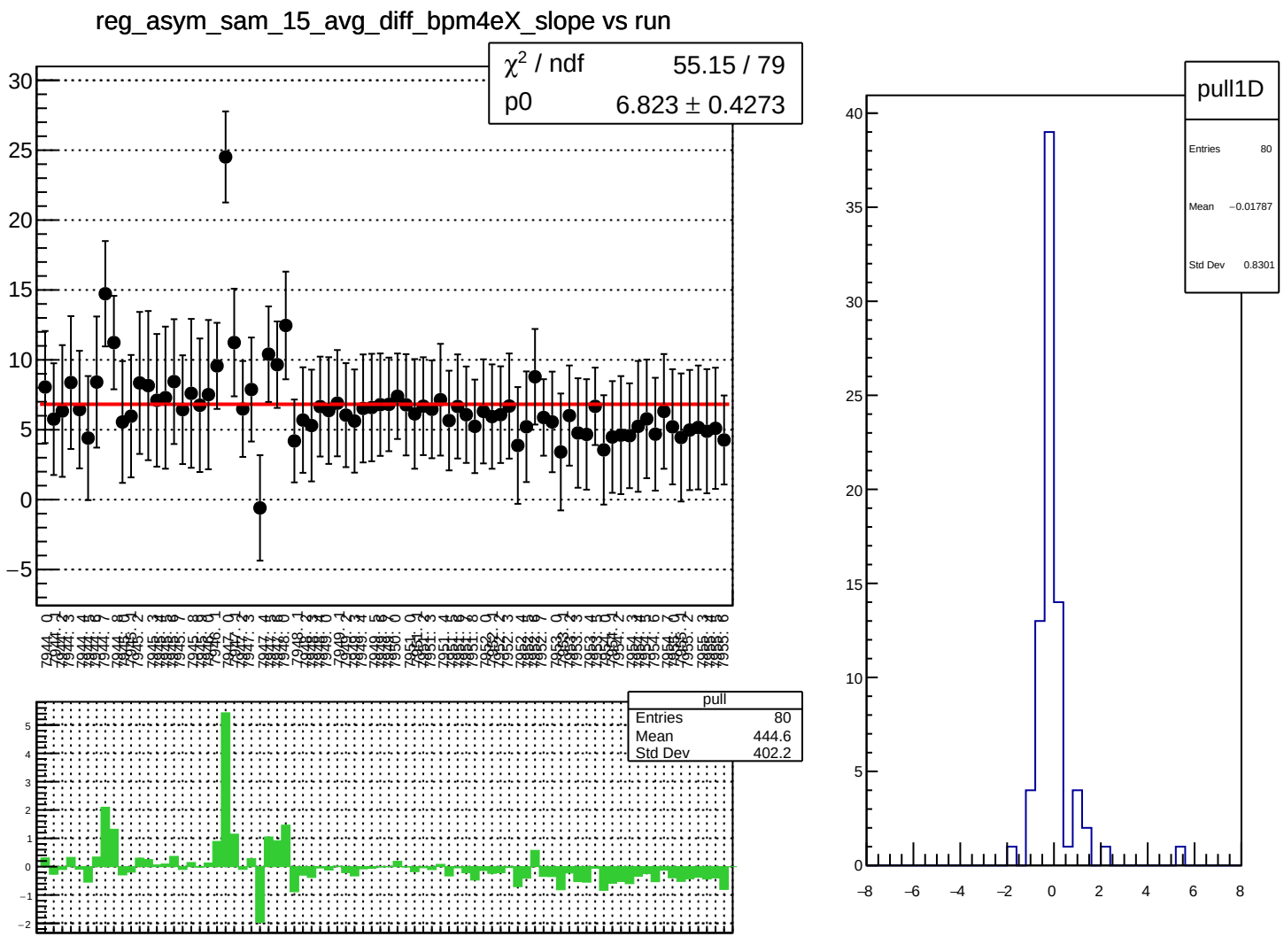

pull1D
Entries 80
Mean 0.03065
Std Dev 0.9101
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

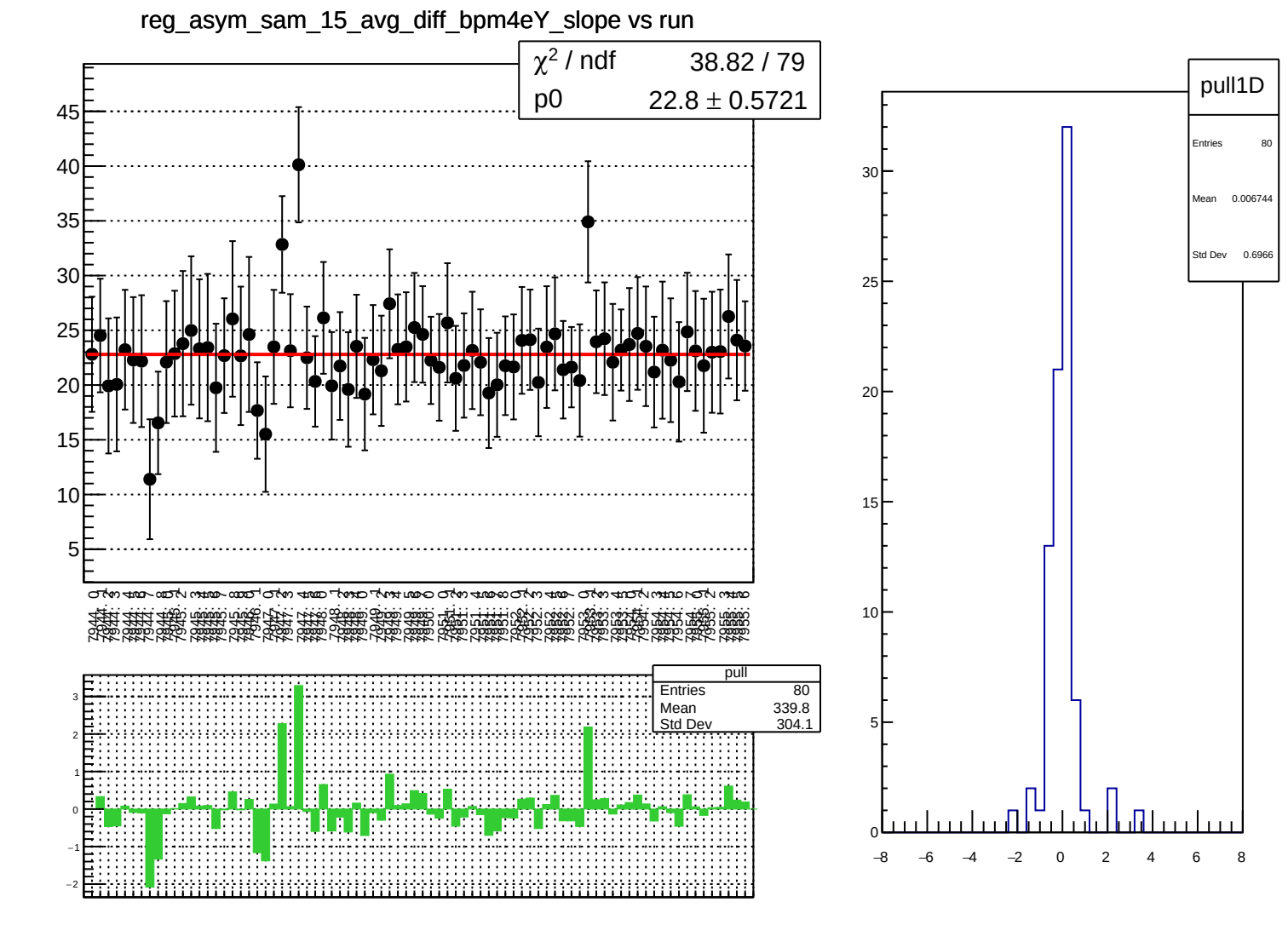

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 93.42 / 79
p0 −23.47 ± 9.424
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 50.36
Std Dev 37.96
2
1
0
−1
−2

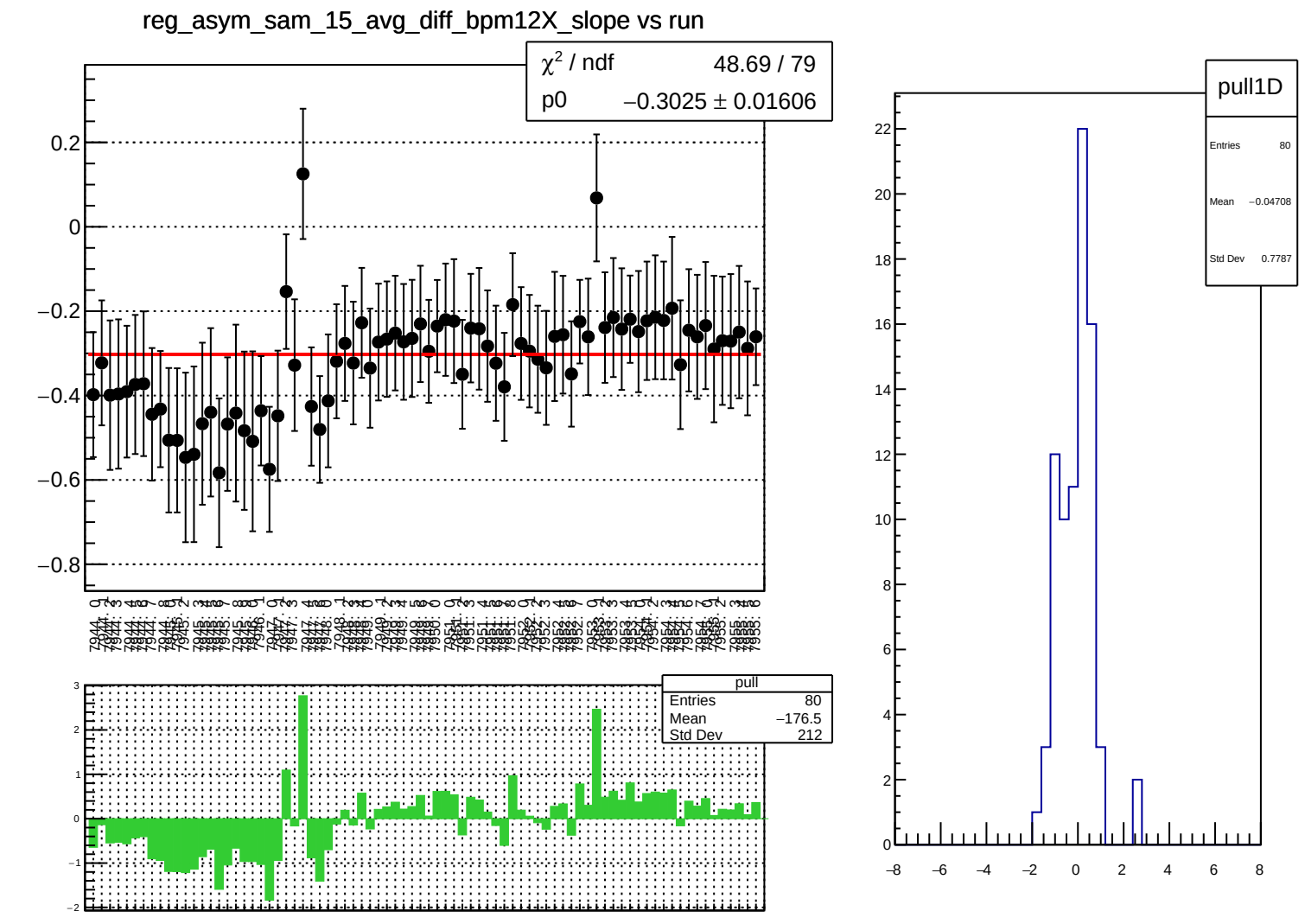

pull1D
Entries 80
Mean 0.08416
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

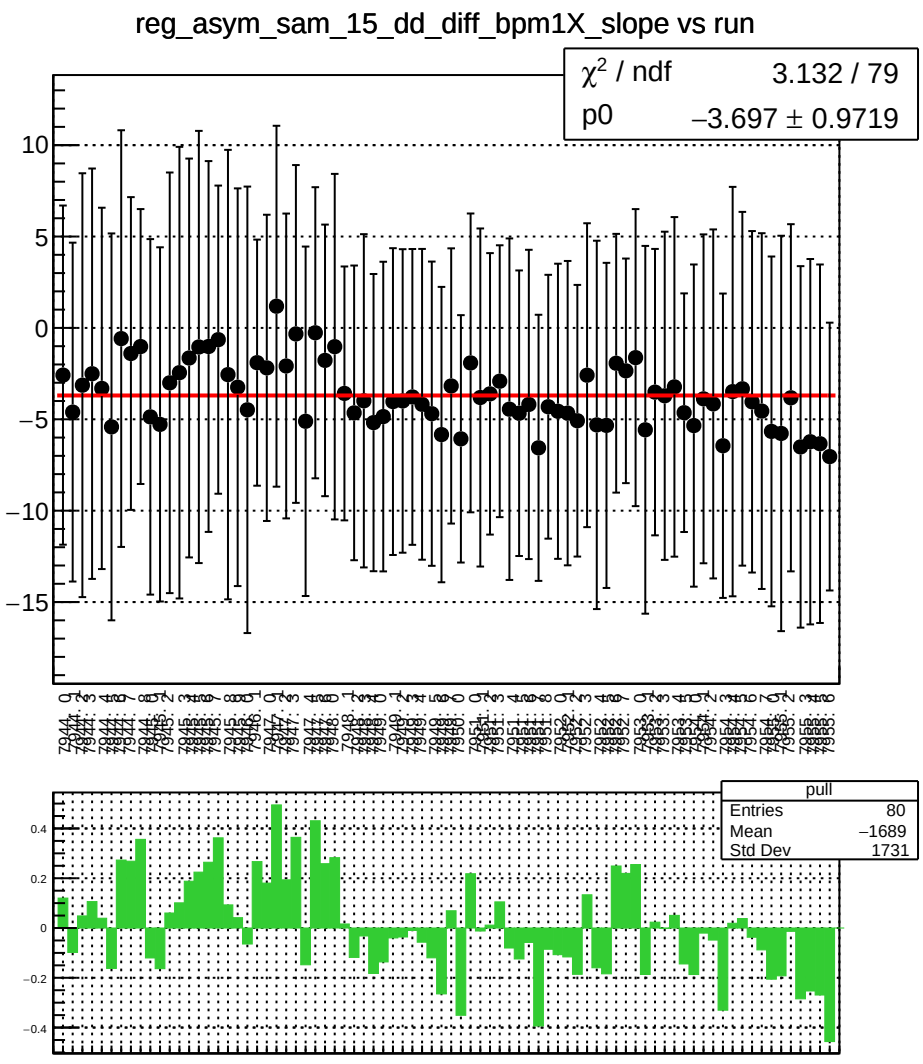

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 52.85 / 79
p0 −9.367 ± 0.4815
pull
Entries 80
Mean 727
Std Dev 684.5
pull1D
Entries 80
Mean 0.01139
Std Dev 0.8127

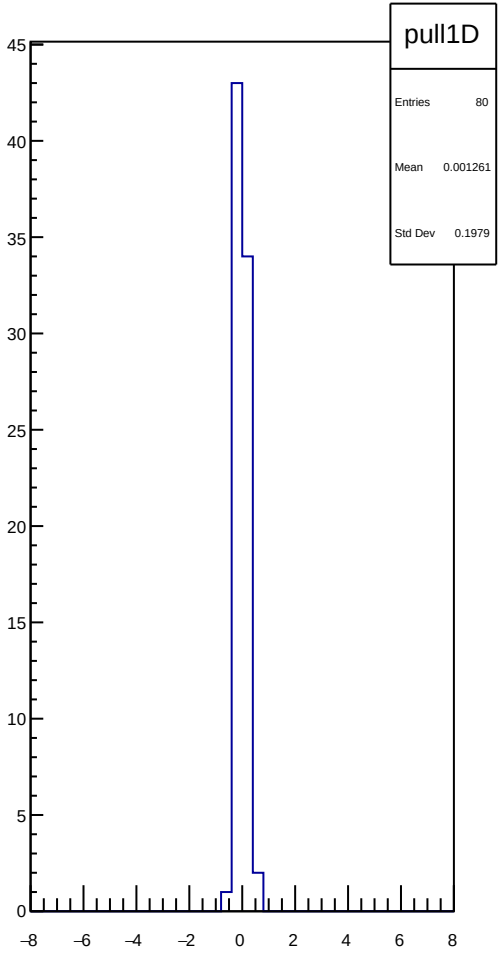

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.83 / 79
p0 29.55 ± 0.4976
pull
Entries 80
Mean 1265
Std Dev 1250
pull1D
Entries 80
Mean −0.001214
Std Dev 0.7813

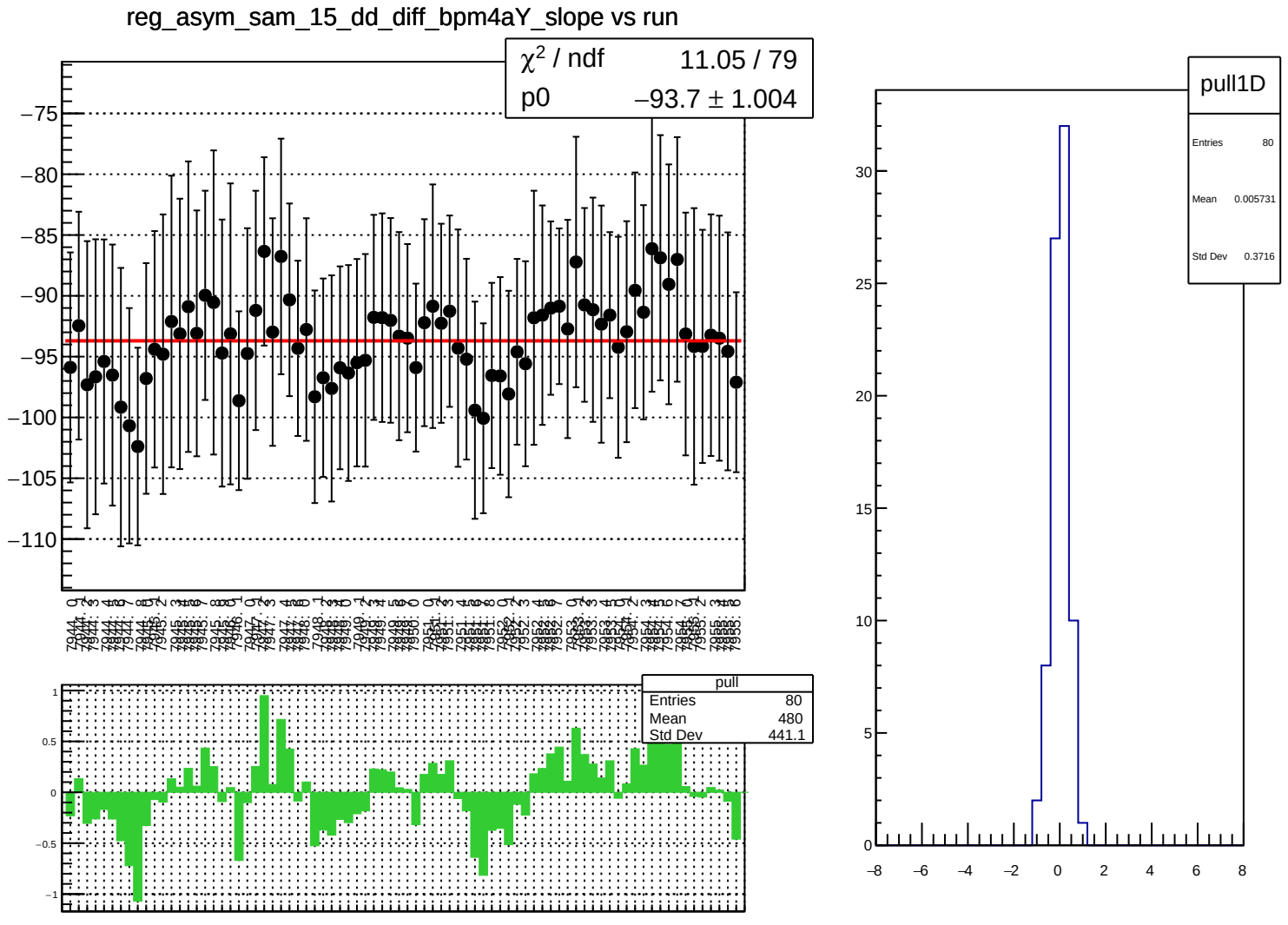

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.15 / 79
p0 6.823 ± 0.4273
pull
Entries 80
Mean 444.6
Std Dev 402.2
pull1D
Entries 80
Mean −0.01787
Std Dev 0.8301

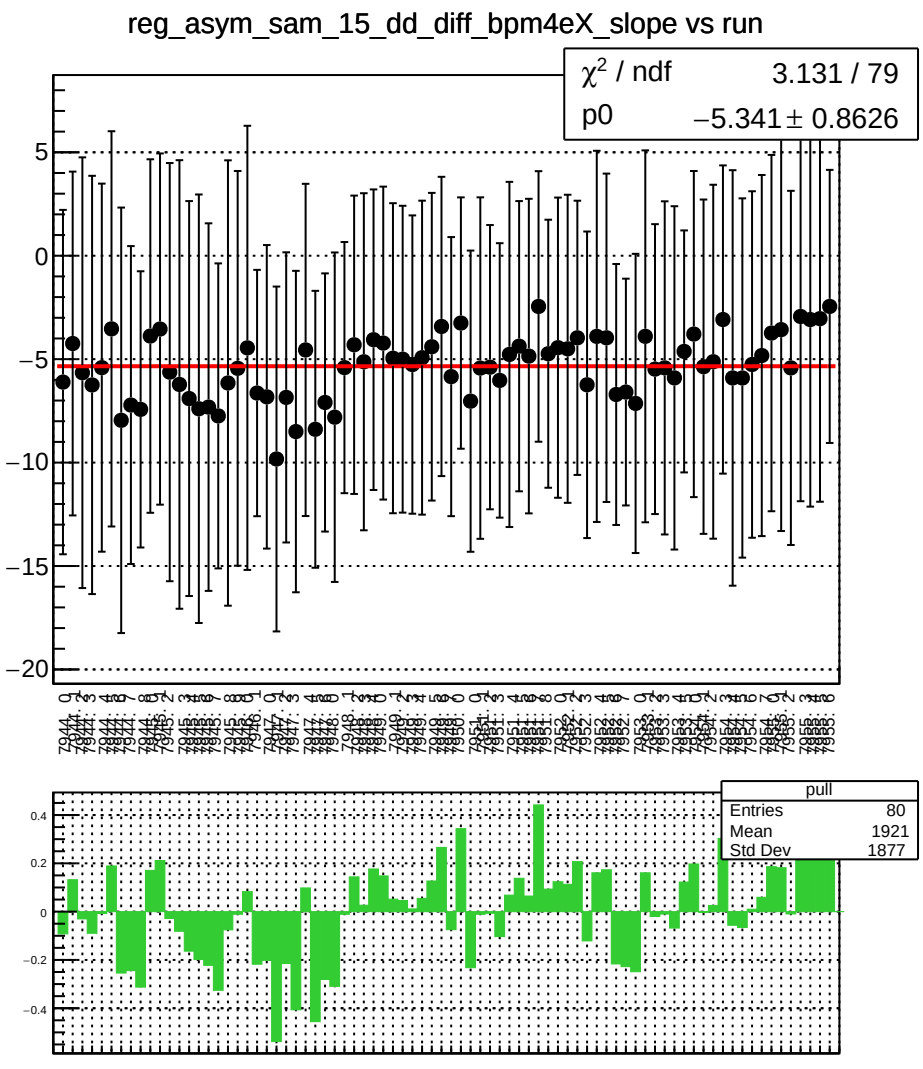

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.82 / 79
p0 22.8 ± 0.5721
pull
Entries 80
Mean 339.8
Std Dev 304.1
pull1D
Entries 80
Mean 0.006744
Std Dev 0.6966

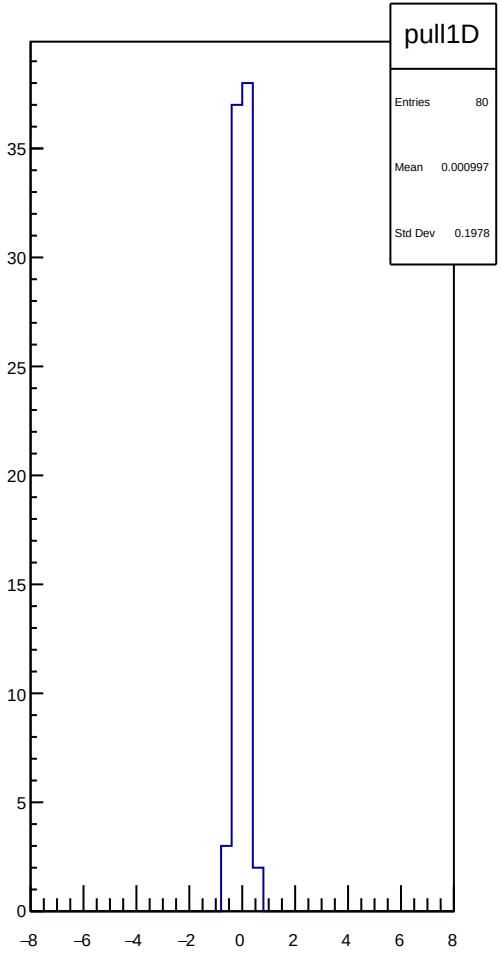

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 48.69 / 79
p0 −0.3025 ± 0.01606
pull
Entries 80
Mean −176.5
Std Dev 212
pull1D
Entries 80
Mean −0.04708
Std Dev 0.7787

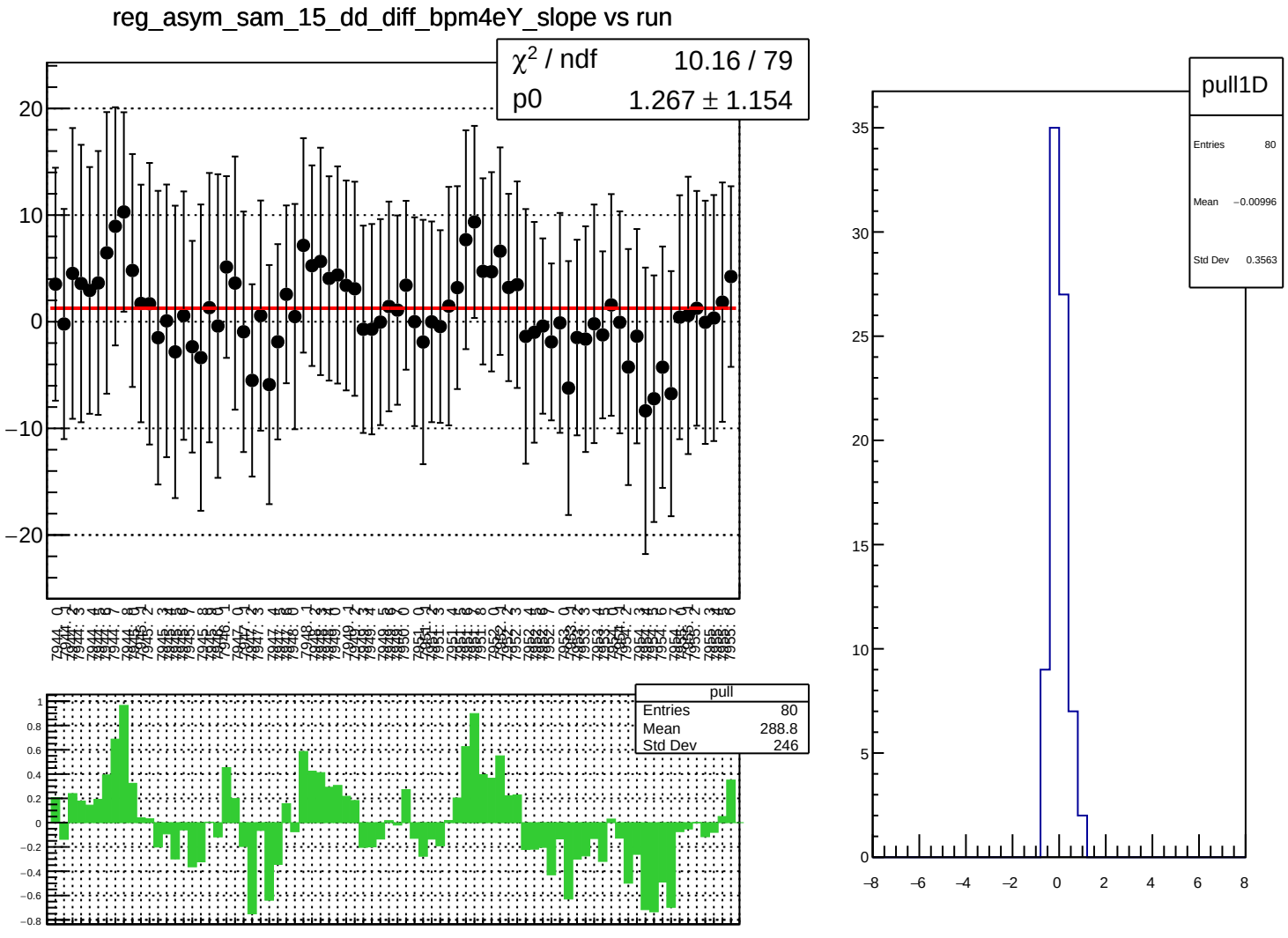

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.132 / 79
p0 −3.697 ± 0.9719
pull
Entries 80
Mean −1689
Std Dev 1731

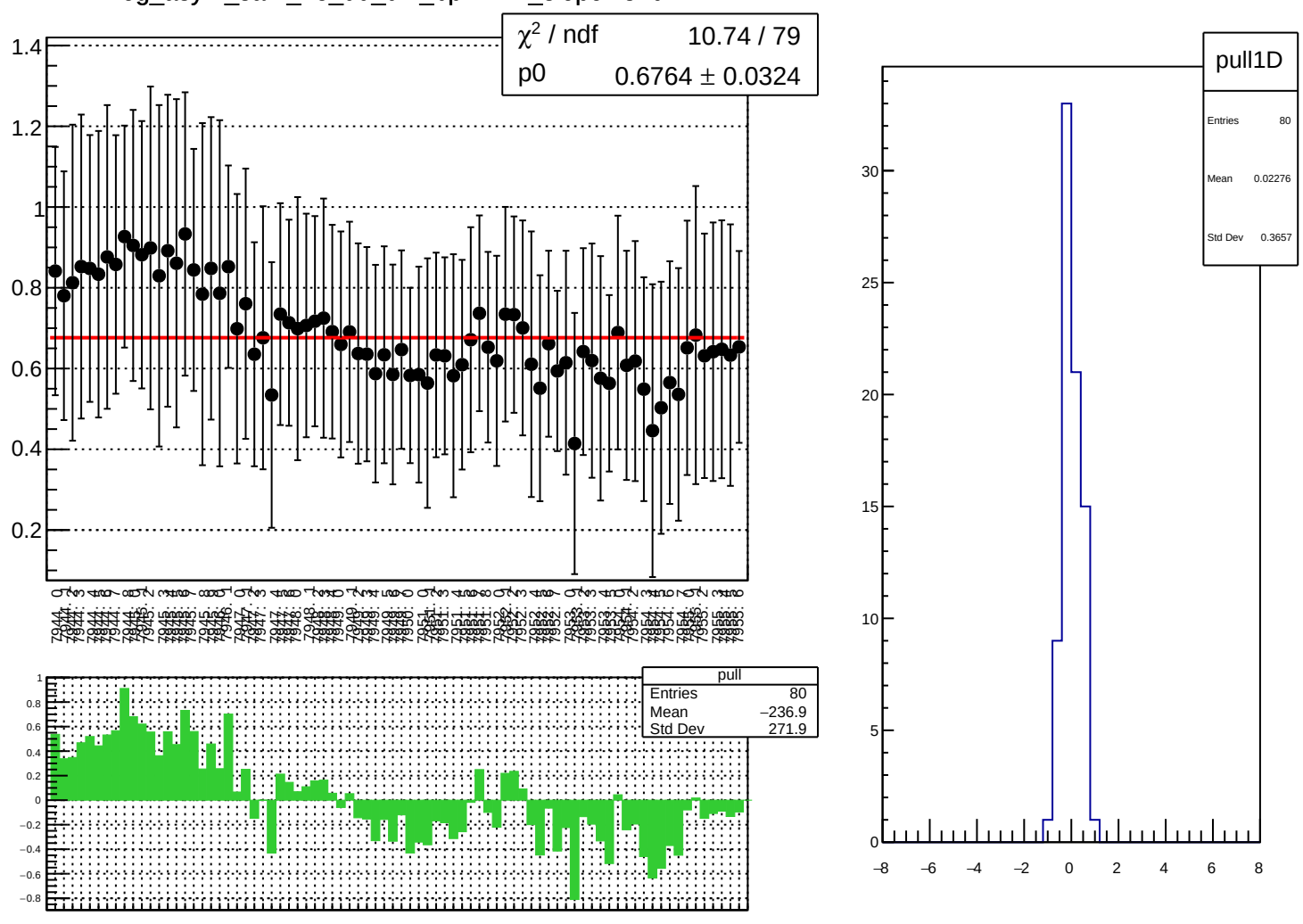

pull1D
Entries 80
Mean 0.001261
Std Dev 0.1979

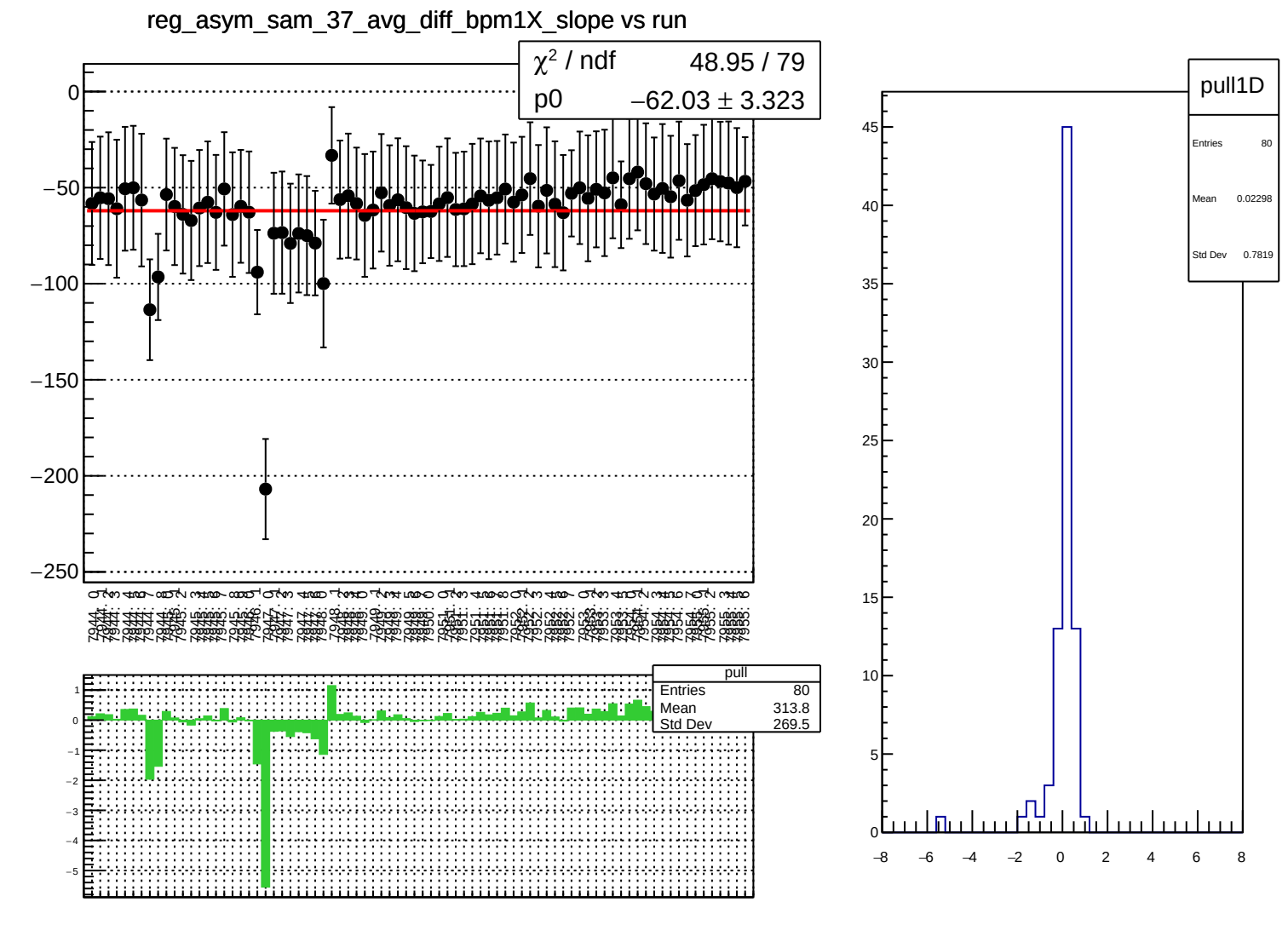

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.05 / 79
p0 −93.7 ± 1.004
pull
Entries 80
Mean 480
Std Dev 441.1
pull1D
Entries 80
Mean 0.005731
Std Dev 0.3716

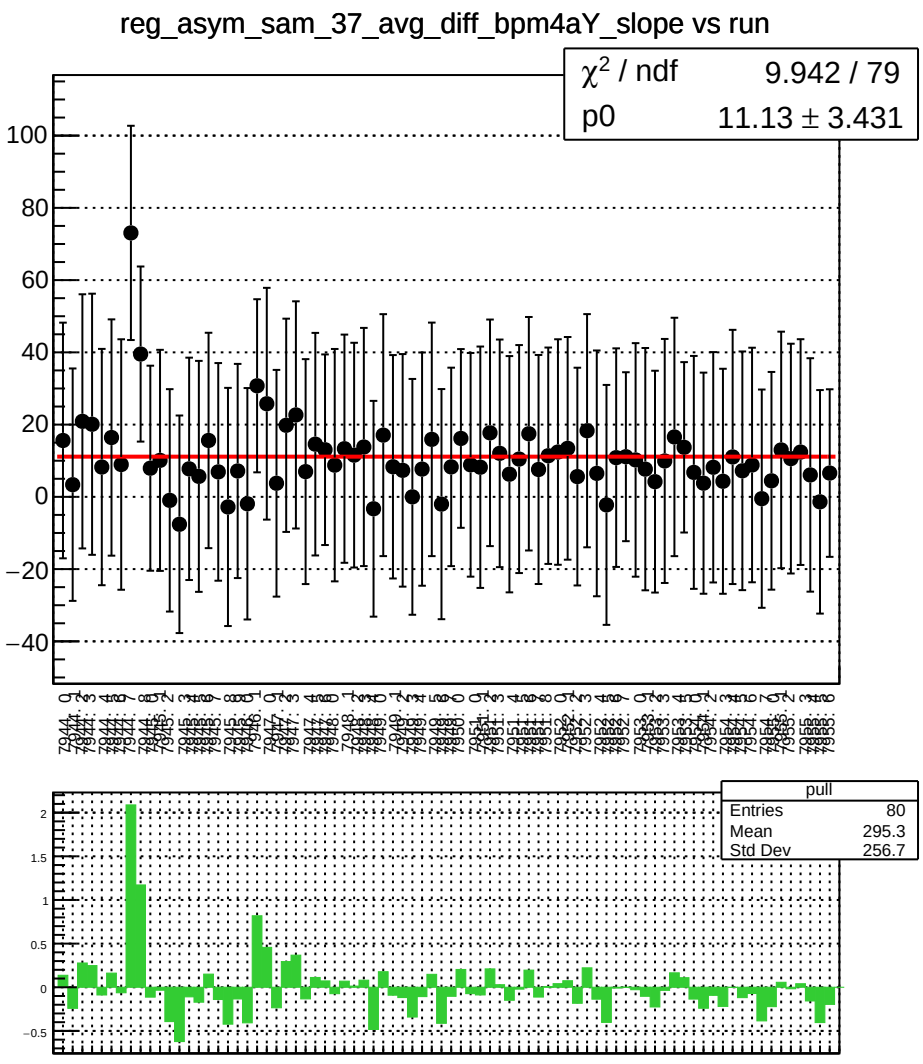

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.131 / 79
p0 −5.341 ± 0.8626
pull
Entries 80
Mean 1921
Std Dev 1877

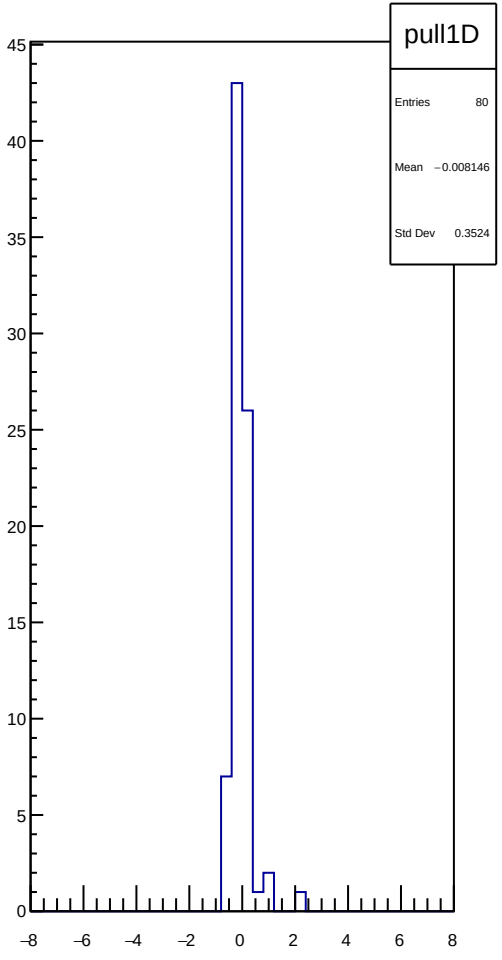

pull1D
Entries 80
Mean 0.000997
Std Dev 0.1978

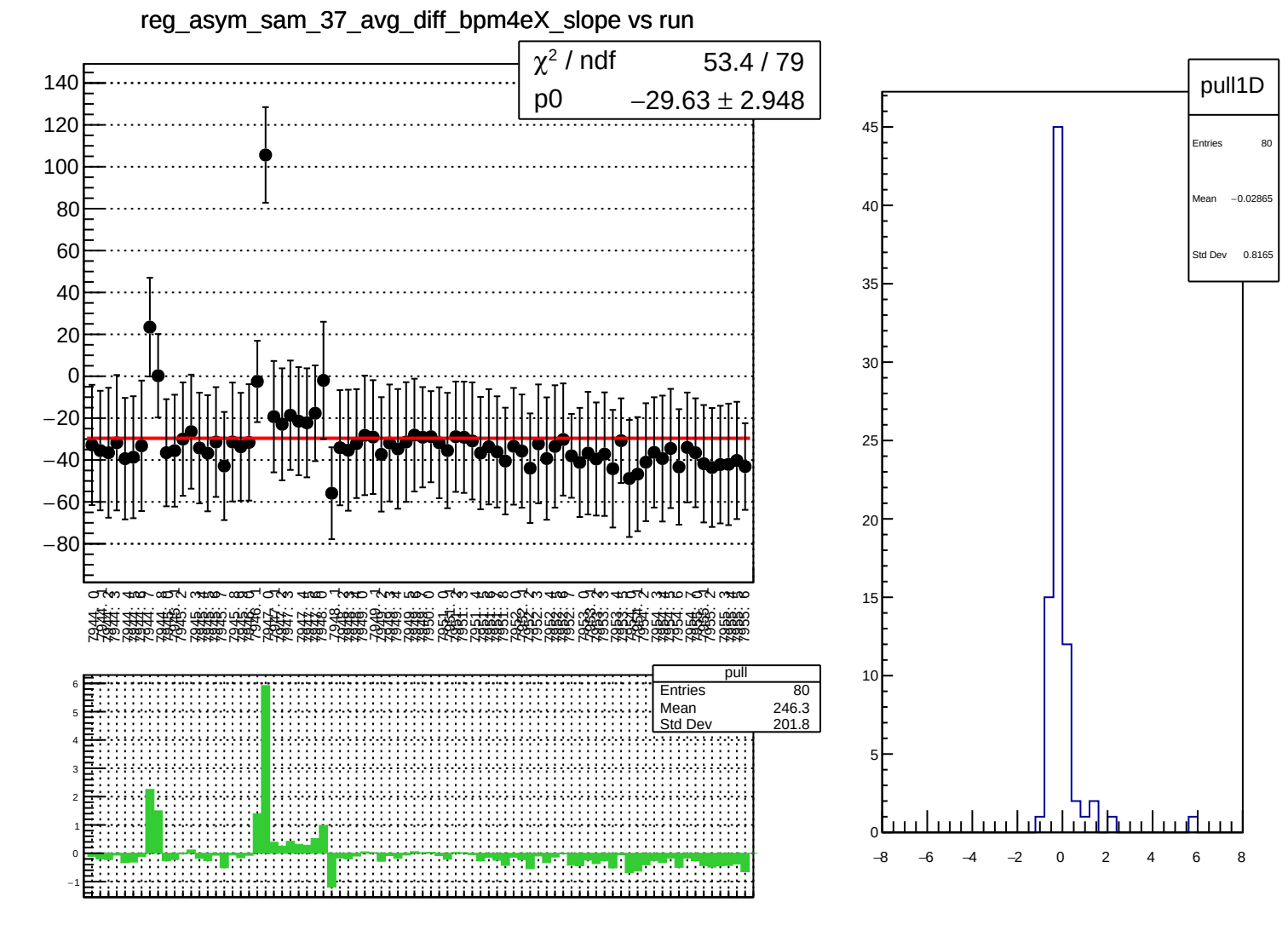

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.16 / 79
p0 1.267 ± 1.154
pull
Entries 80
Mean 288.8
Std Dev 246
pull1D
Entries 80
Mean −0.00996
Std Dev 0.3563

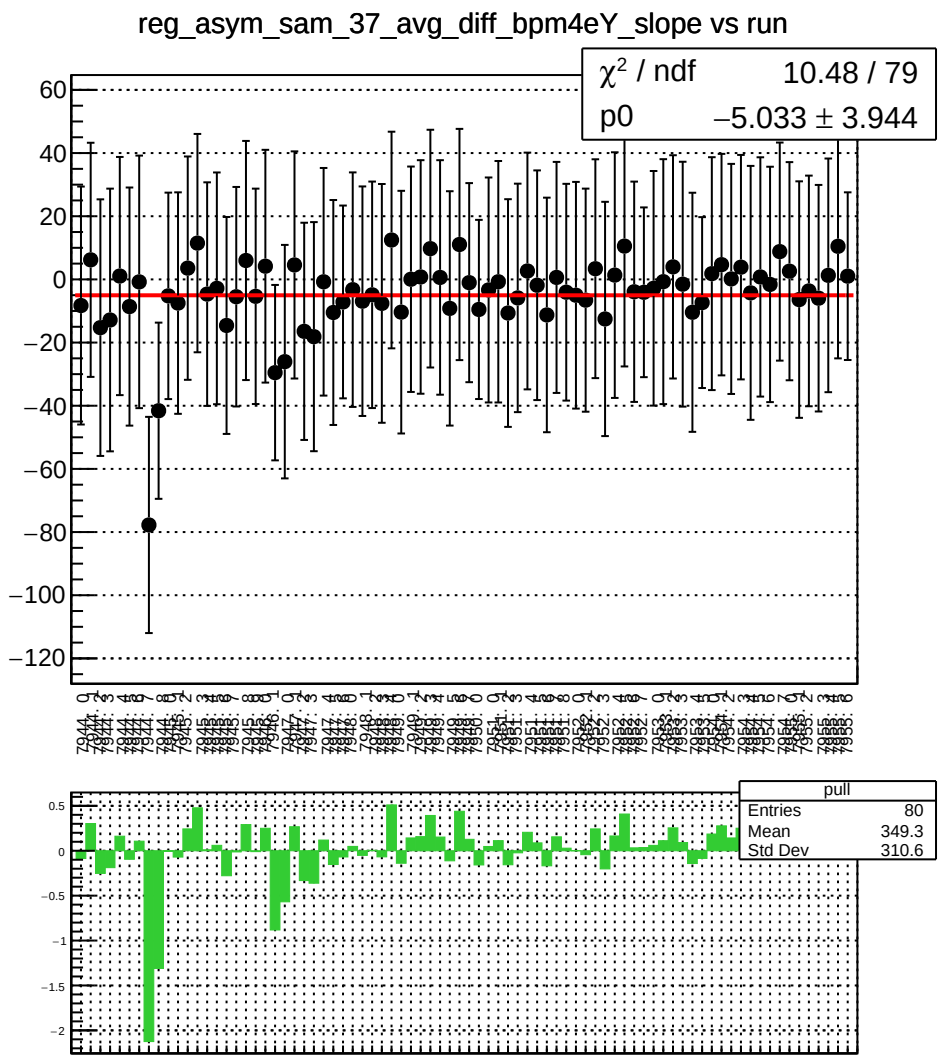

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 10.74 / 79
p0 0.6764 ± 0.0324
pull
Entries 80
Mean −236.9
Std Dev 271.9
pull1D
Entries 80
Mean 0.02276
Std Dev 0.3657

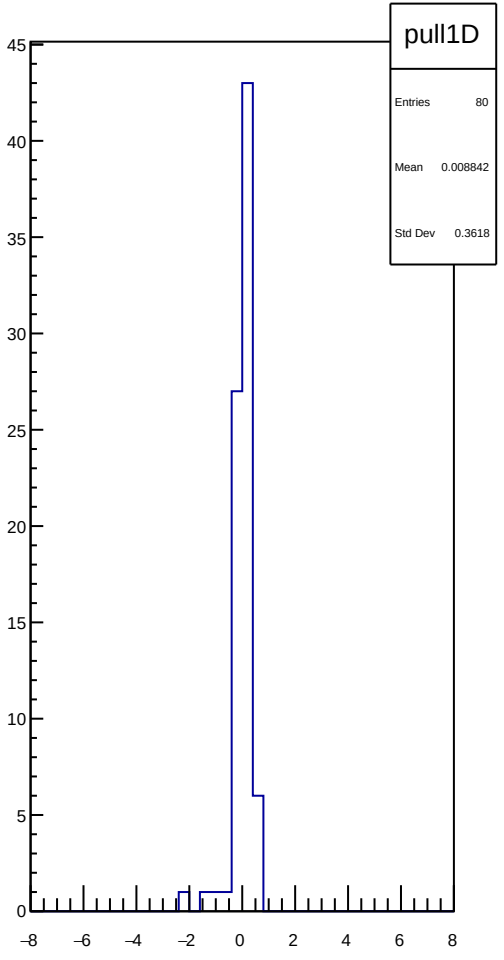

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 48.95 / 79
p0 −62.03 ± 3.323
pull
Entries 80
Mean 313.8
Std Dev 269.5
pull1D
Entries 80
Mean 0.02298
Std Dev 0.7819

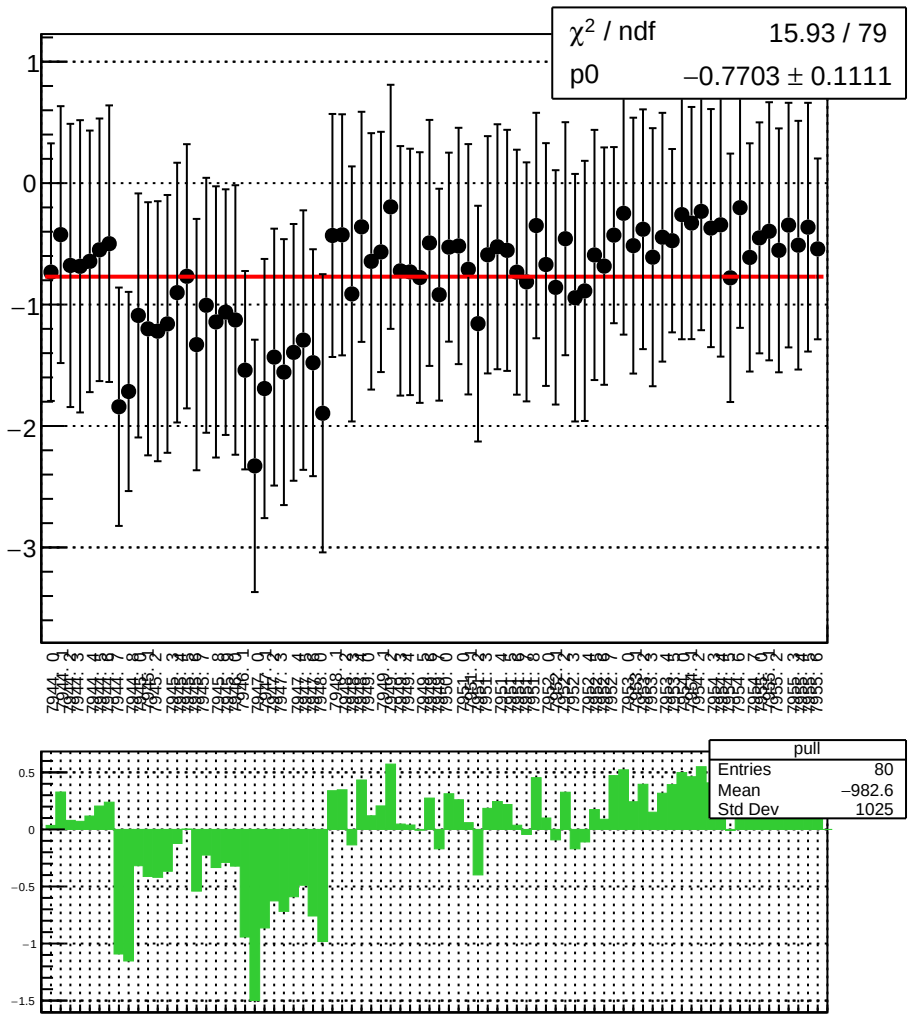

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.942 / 79
p0 11.13 ± 3.431
pull
Entries 80
Mean 295.3
Std Dev 256.7

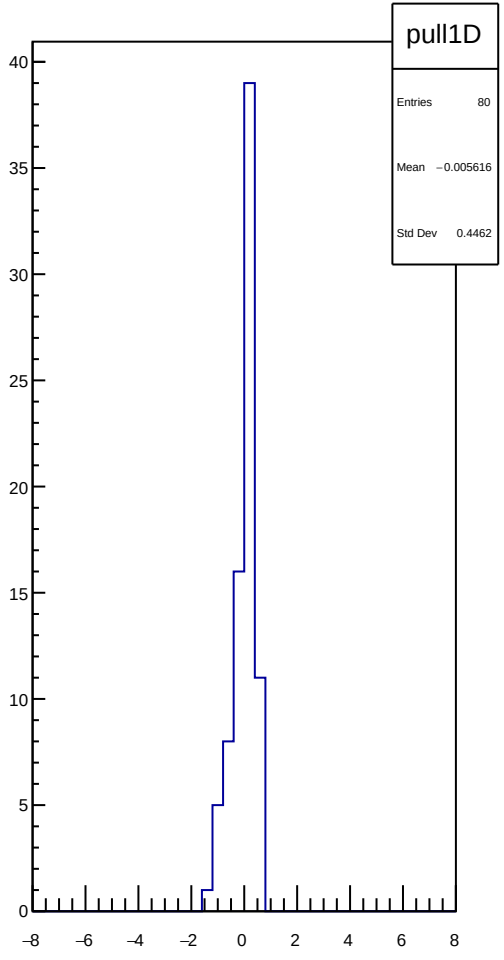

pull1D
Entries 80
Mean −0.008146
Std Dev 0.3524

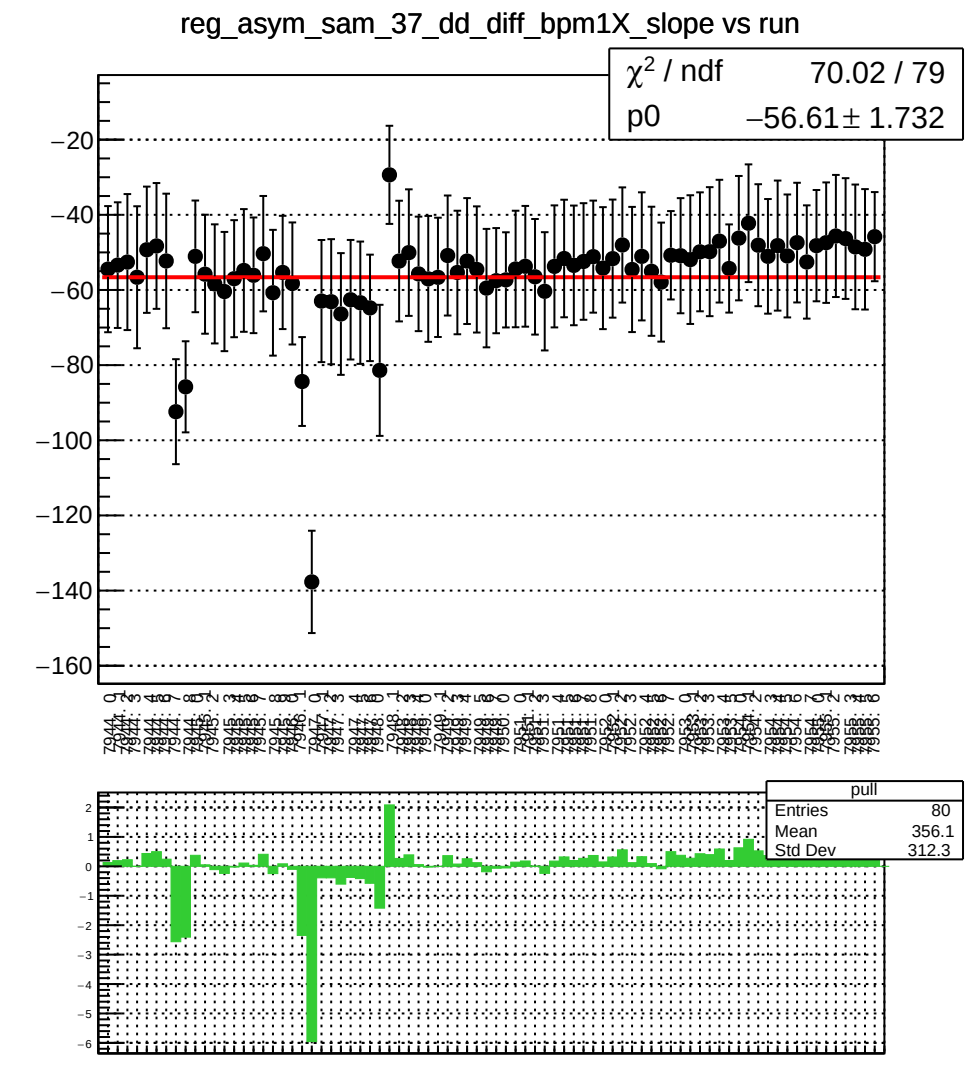

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.4 / 79
p0 −29.63 ± 2.948
pull
Entries 80
Mean 246.3
Std Dev 201.8
pull1D
Entries 80
Mean −0.02865
Std Dev 0.8165

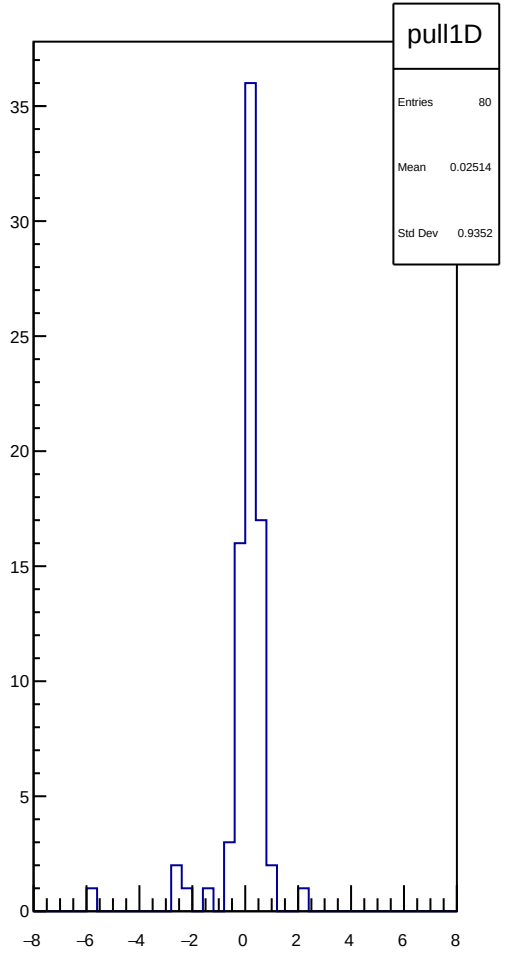

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.48 / 79
p0 −5.033 ± 3.944
pull
Entries 80
Mean 349.3
Std Dev 310.6

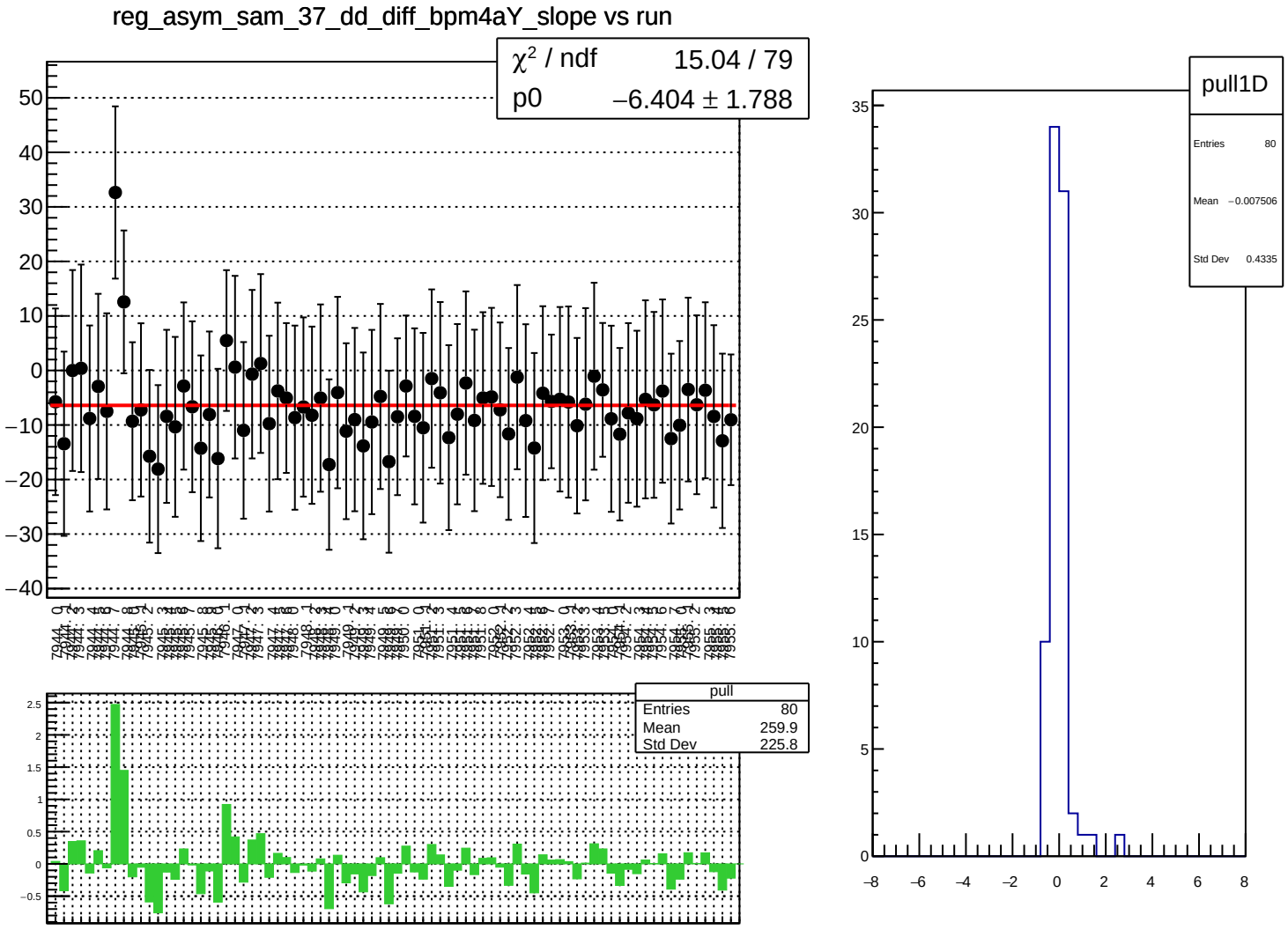

pull1D
Entries 80
Mean 0.008842
Std Dev 0.3618

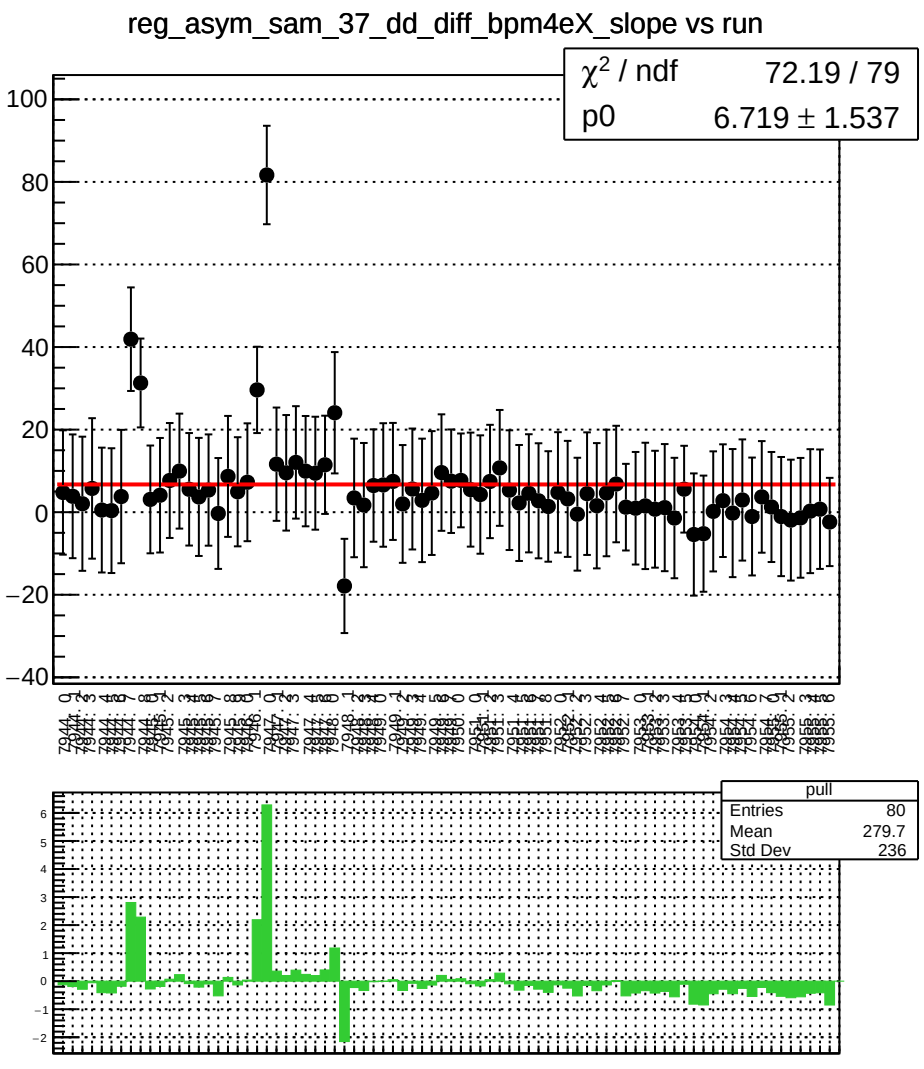

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 15.93 / 79
p0 −0.7703 ± 0.1111
pull
Entries 80
Mean −982.6
Std Dev 1025

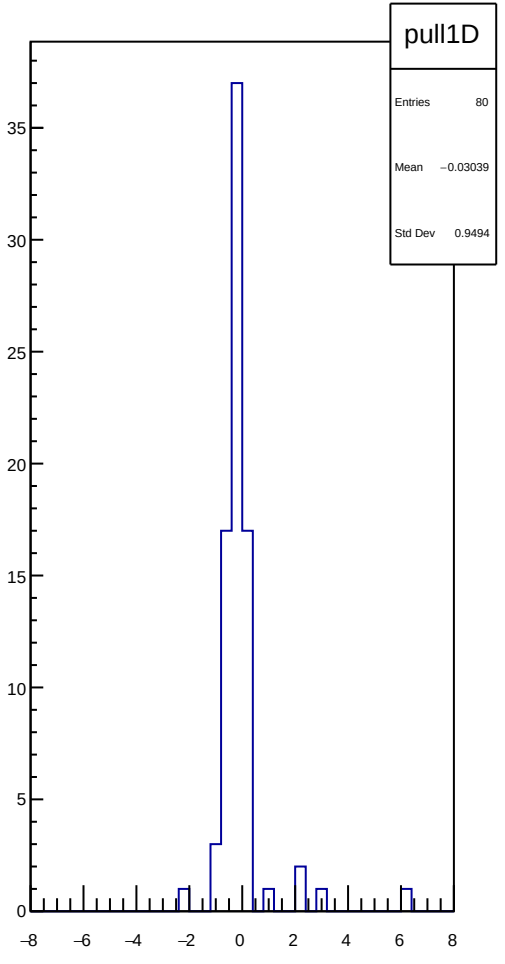

pull1D
Entries 80
Mean −0.005616
Std Dev 0.4462

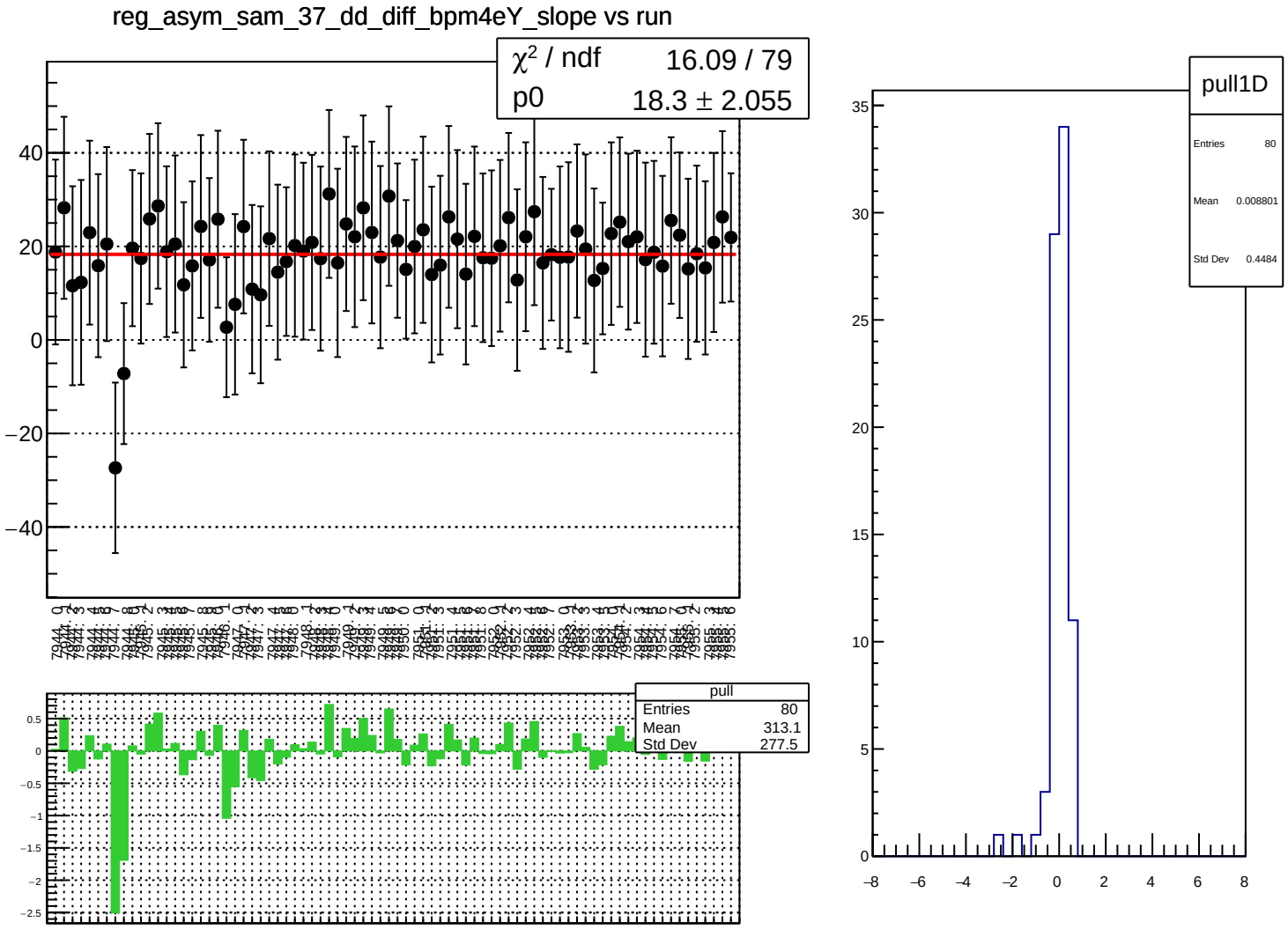

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 70.02 / 79
p0 −56.61 ± 1.732
pull
Entries 80
Mean 356.1
Std Dev 312.3

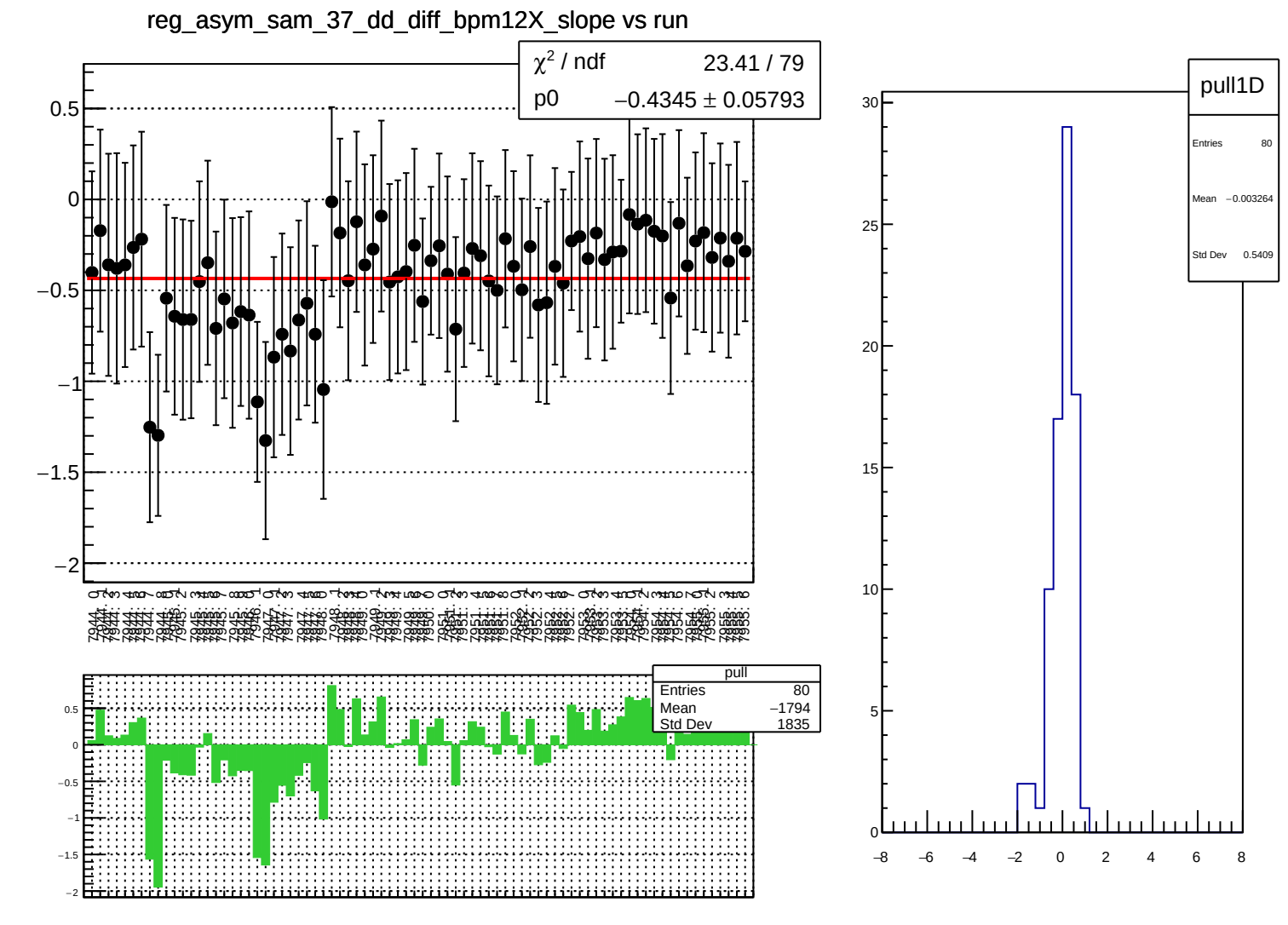

pull1D
Entries 80
Mean 0.02514
Std Dev 0.9352

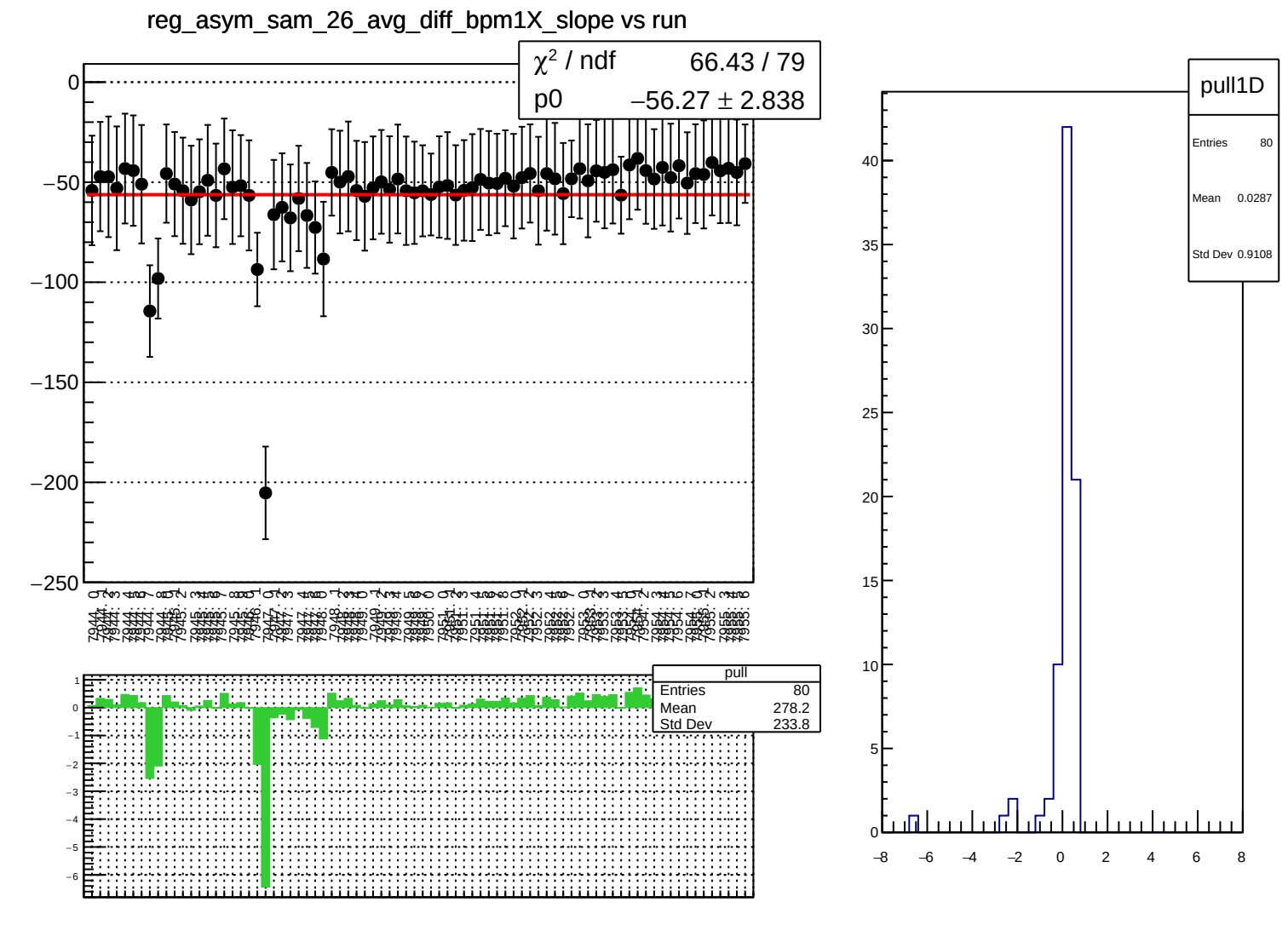

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.04 / 79
p0 −6.404 ± 1.788
pull
Entries 80
Mean 259.9
Std Dev 225.8
pull1D
Entries 80
Mean −0.007506
Std Dev 0.4335

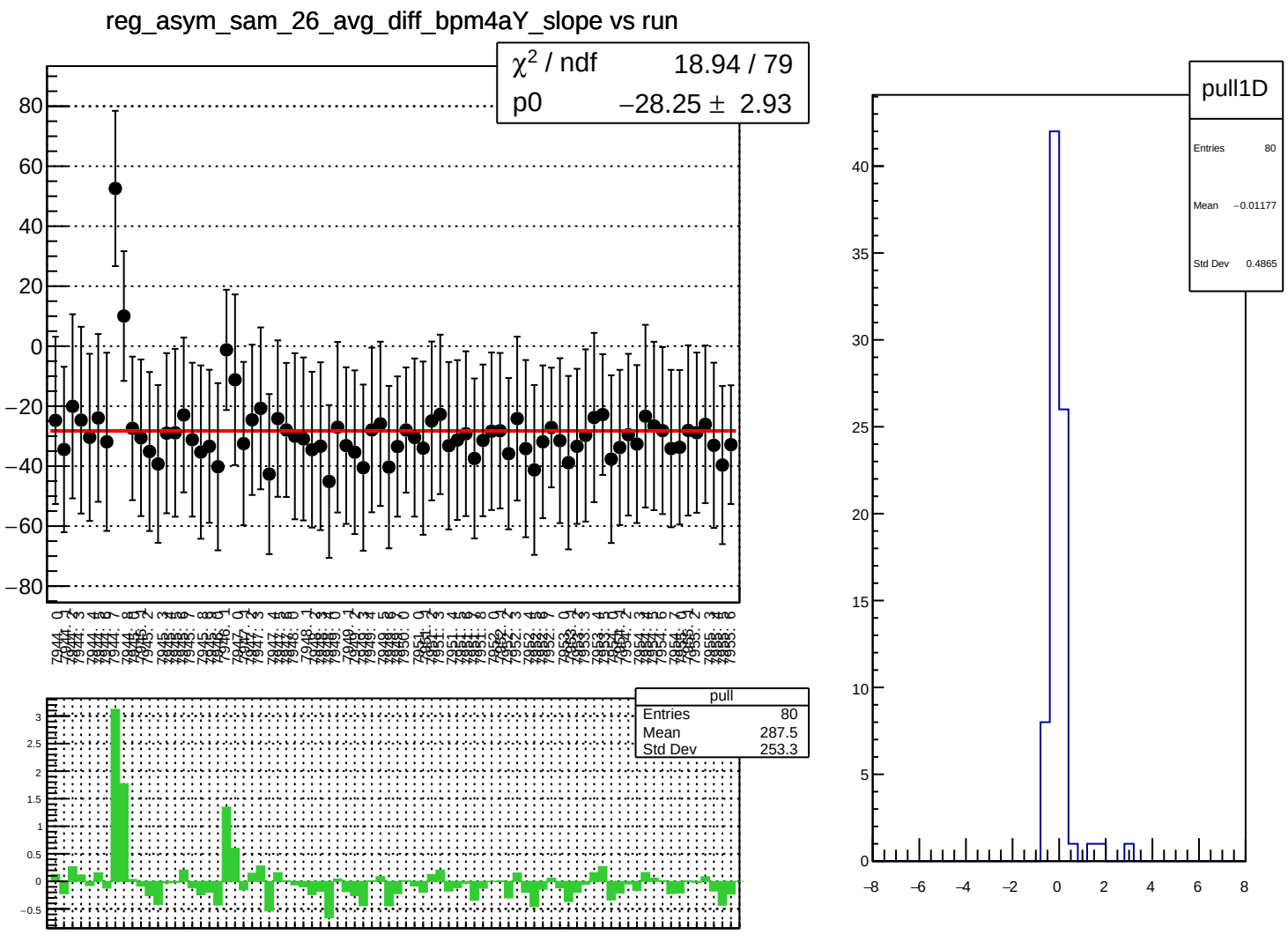

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.19 / 79
p0 6.719 ± 1.537
pull
Entries 80
Mean 279.7
Std Dev 236

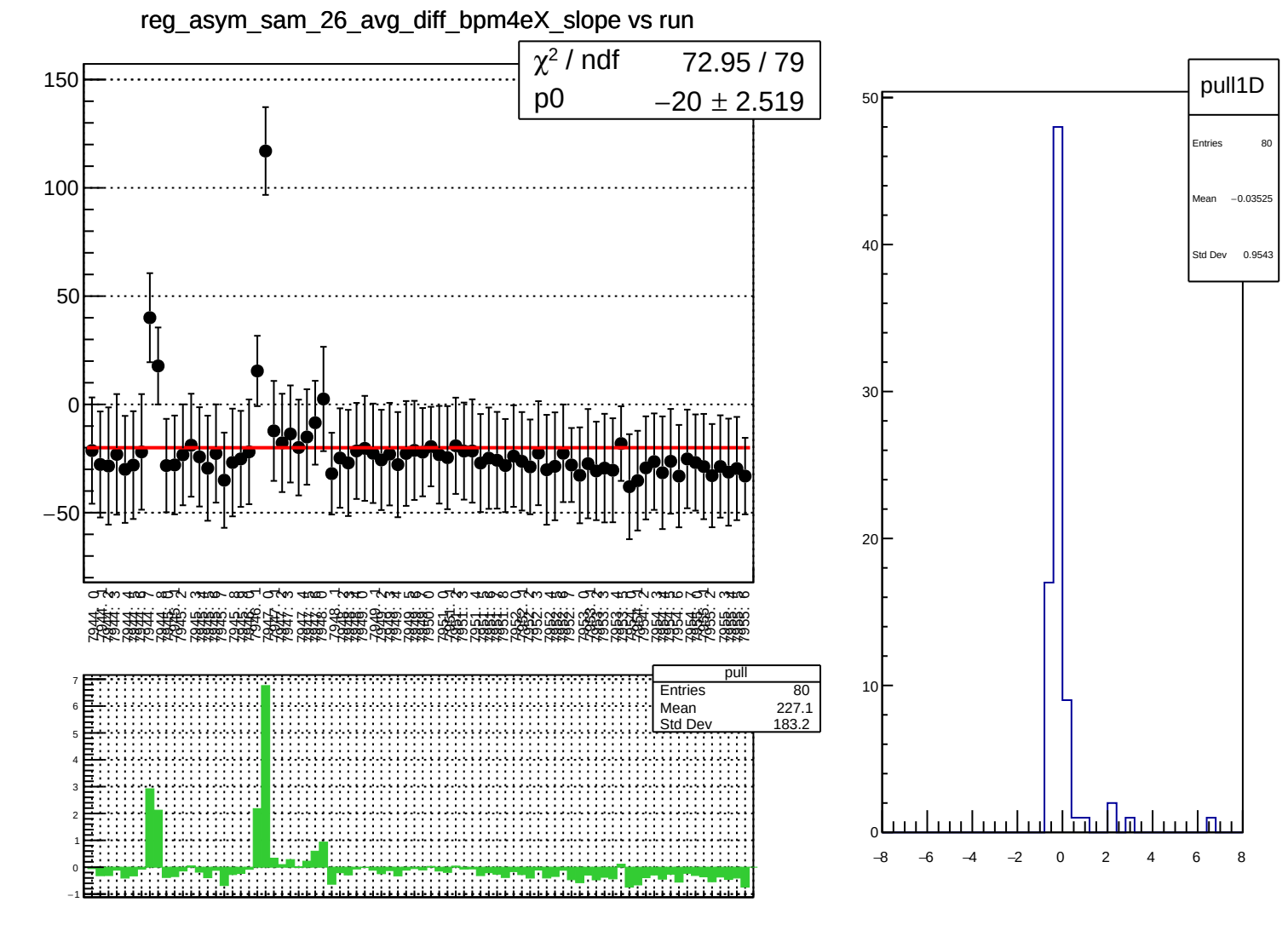

pull1D
Entries 80
Mean −0.03039
Std Dev 0.9494

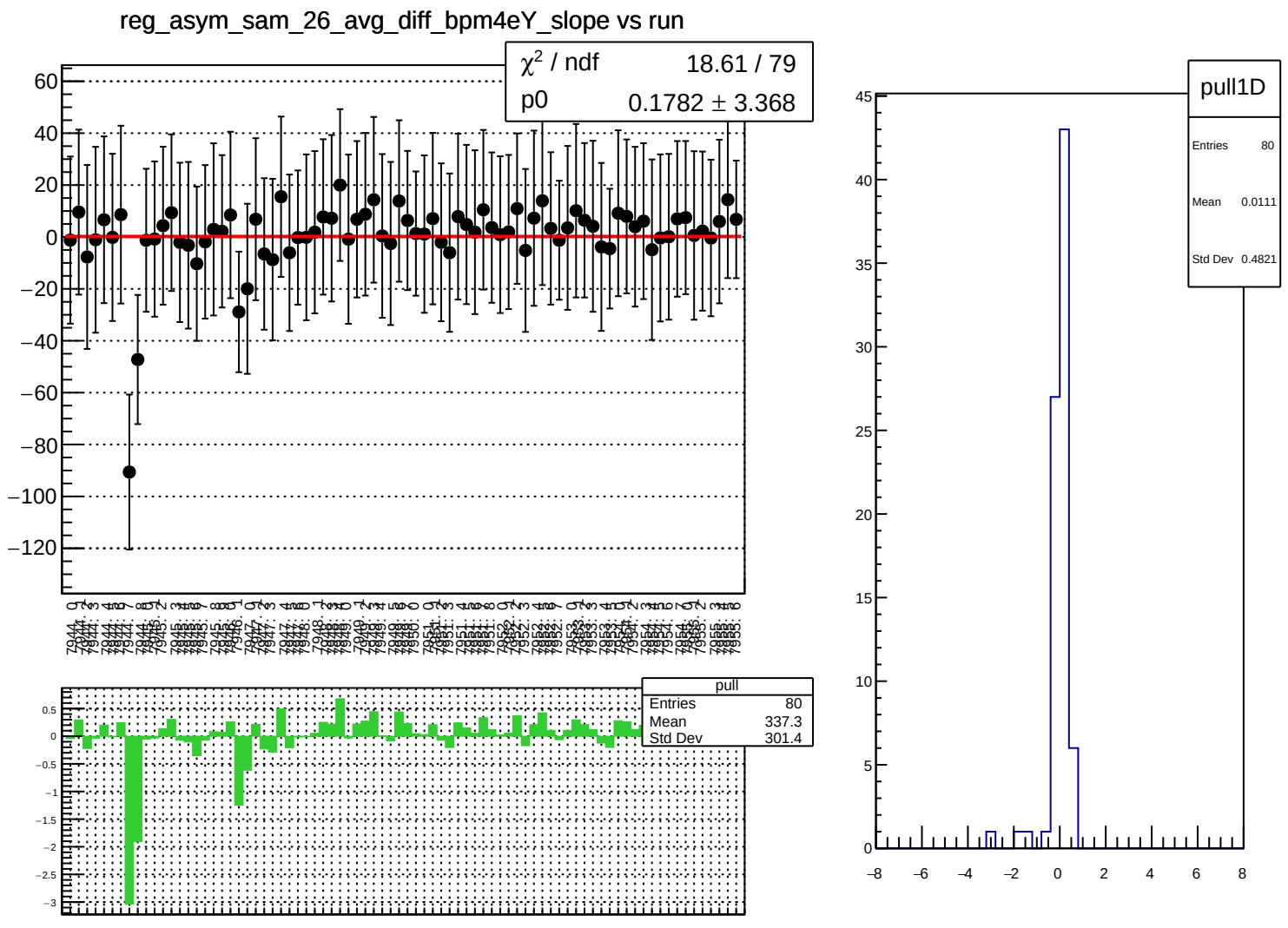

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.09 / 79
p0 18.3 ± 2.055
pull
Entries 80
Mean 313.1
Std Dev 277.5
pull1D
Entries 80
Mean 0.008801
Std Dev 0.4484

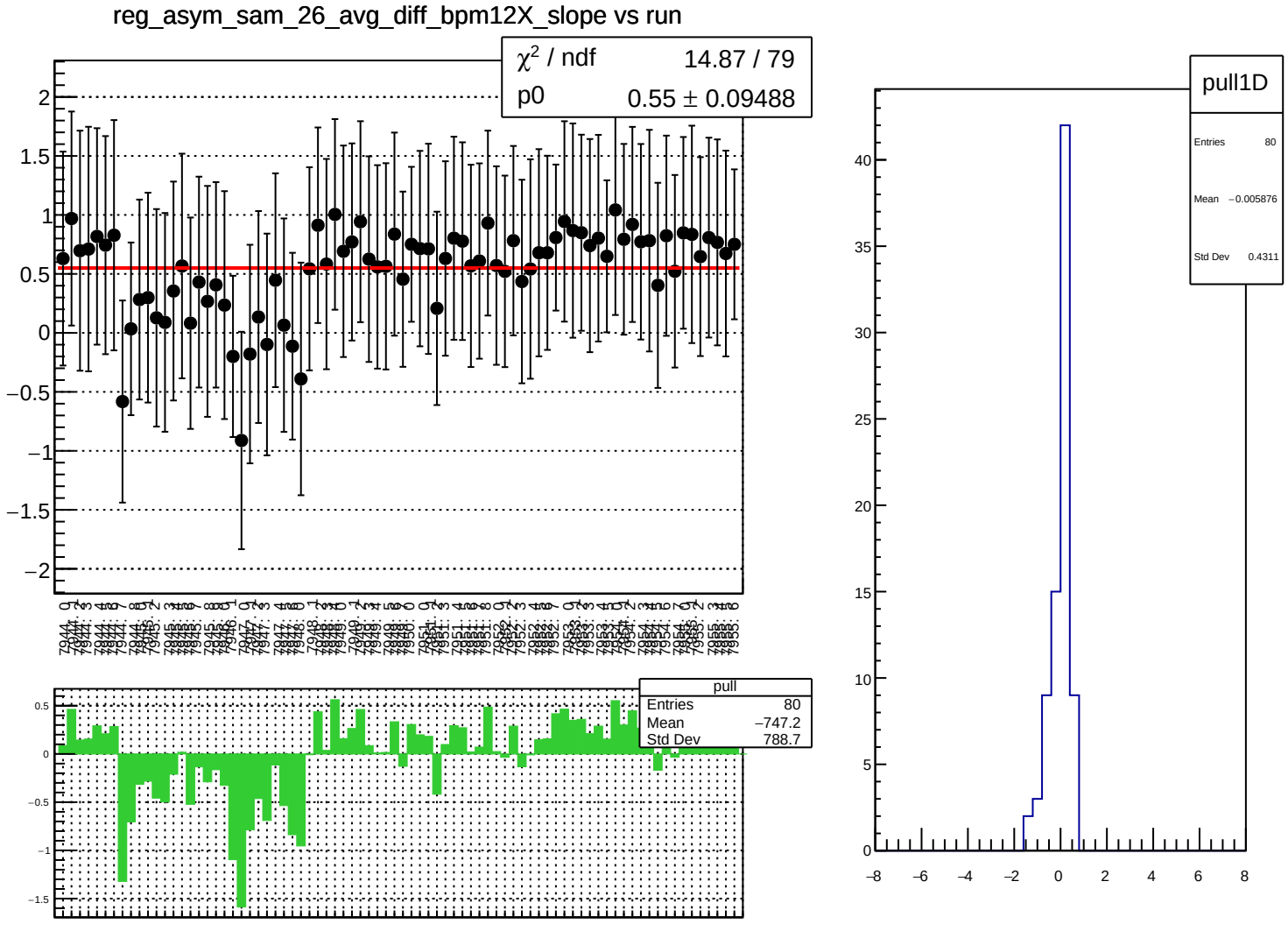

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 23.41 / 79
p0 −0.4345 ± 0.05793
pull
Entries 80
Mean −1794
Std Dev 1835
pull1D
Entries 80
Mean −0.003264
Std Dev 0.5409

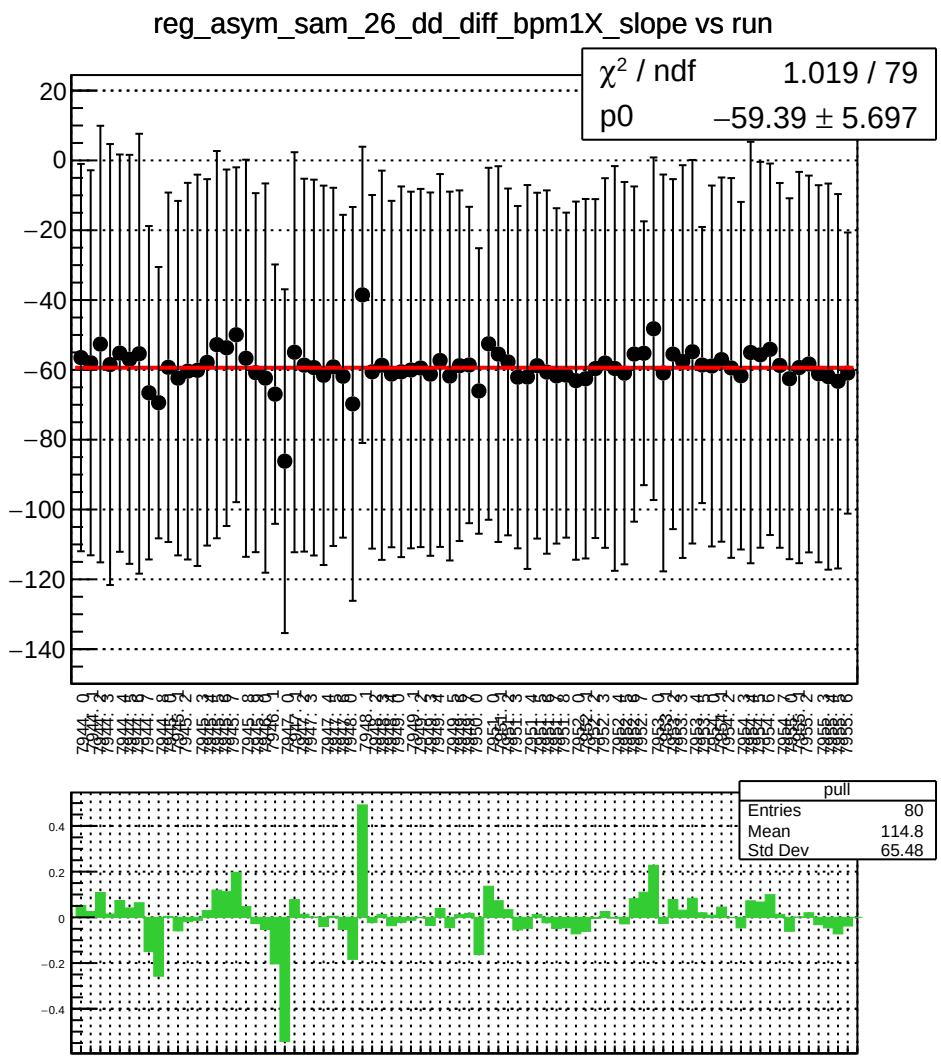

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 66.43 / 79
p0 −56.27 ± 2.838
pull
Entries 80
Mean 278.2
Std Dev 233.8
pull1D
Entries 80
Mean 0.0287
Std Dev 0.9108

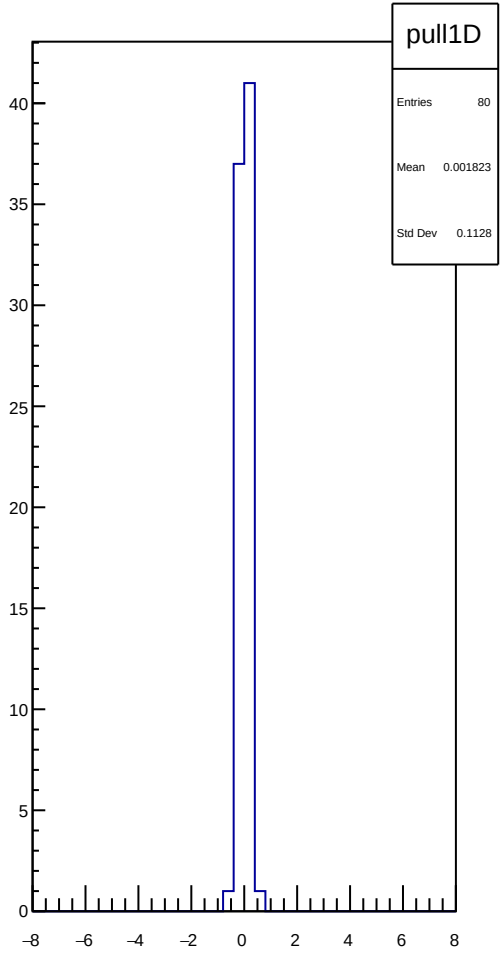

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.94 / 79
p0 −28.25 ± 2.93
pull
Entries 80
Mean 287.5
Std Dev 253.3
pull1D
Entries 80
Mean −0.01177
Std Dev 0.4865

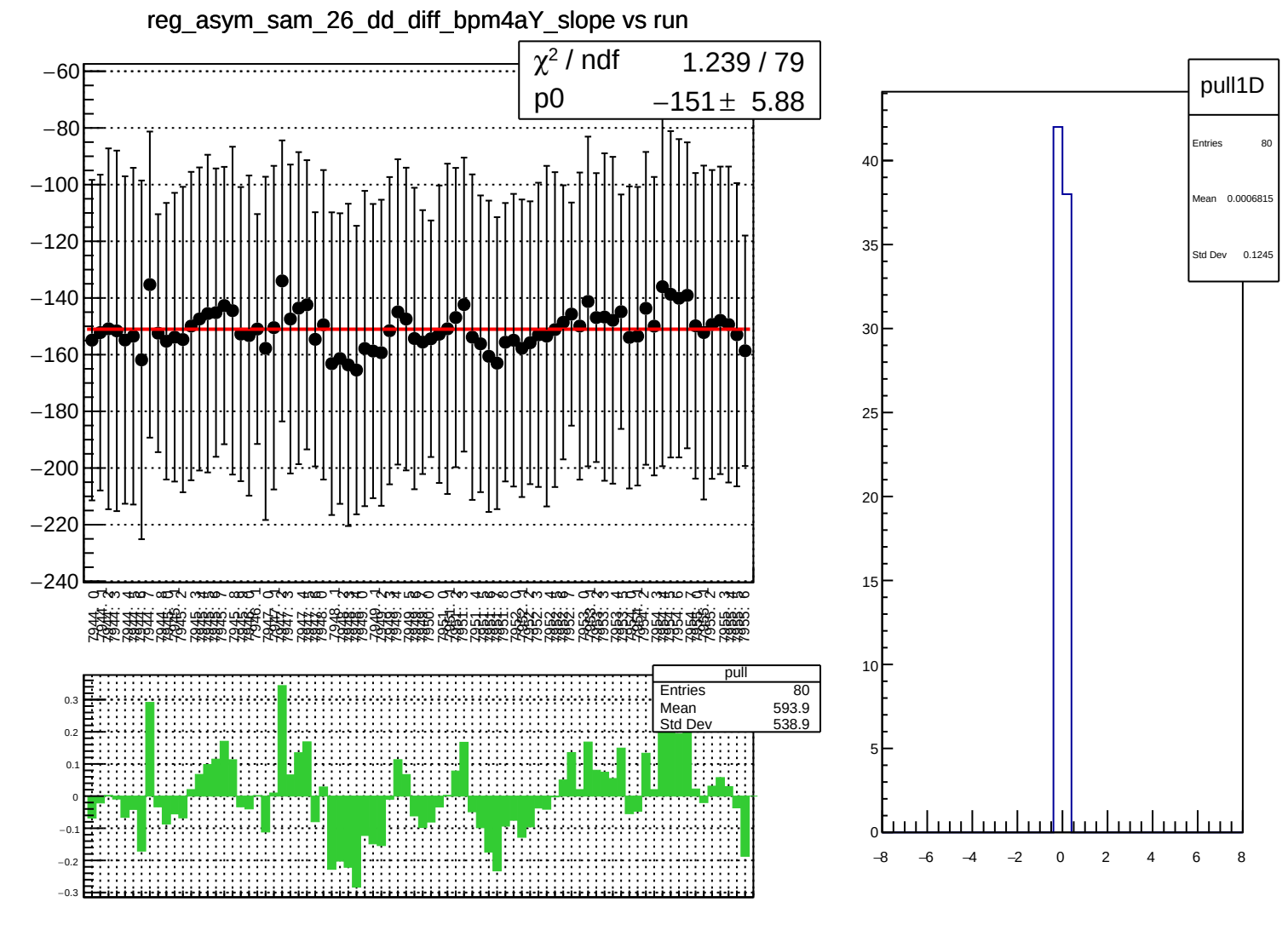

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 72.95 / 79
p0 −20 ± 2.519
150
100
50
0
−50
pull
Entries 80
Mean 227.1
Std Dev 183.2
pull1D
Entries 80
Mean −0.03525
Std Dev 0.9543
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

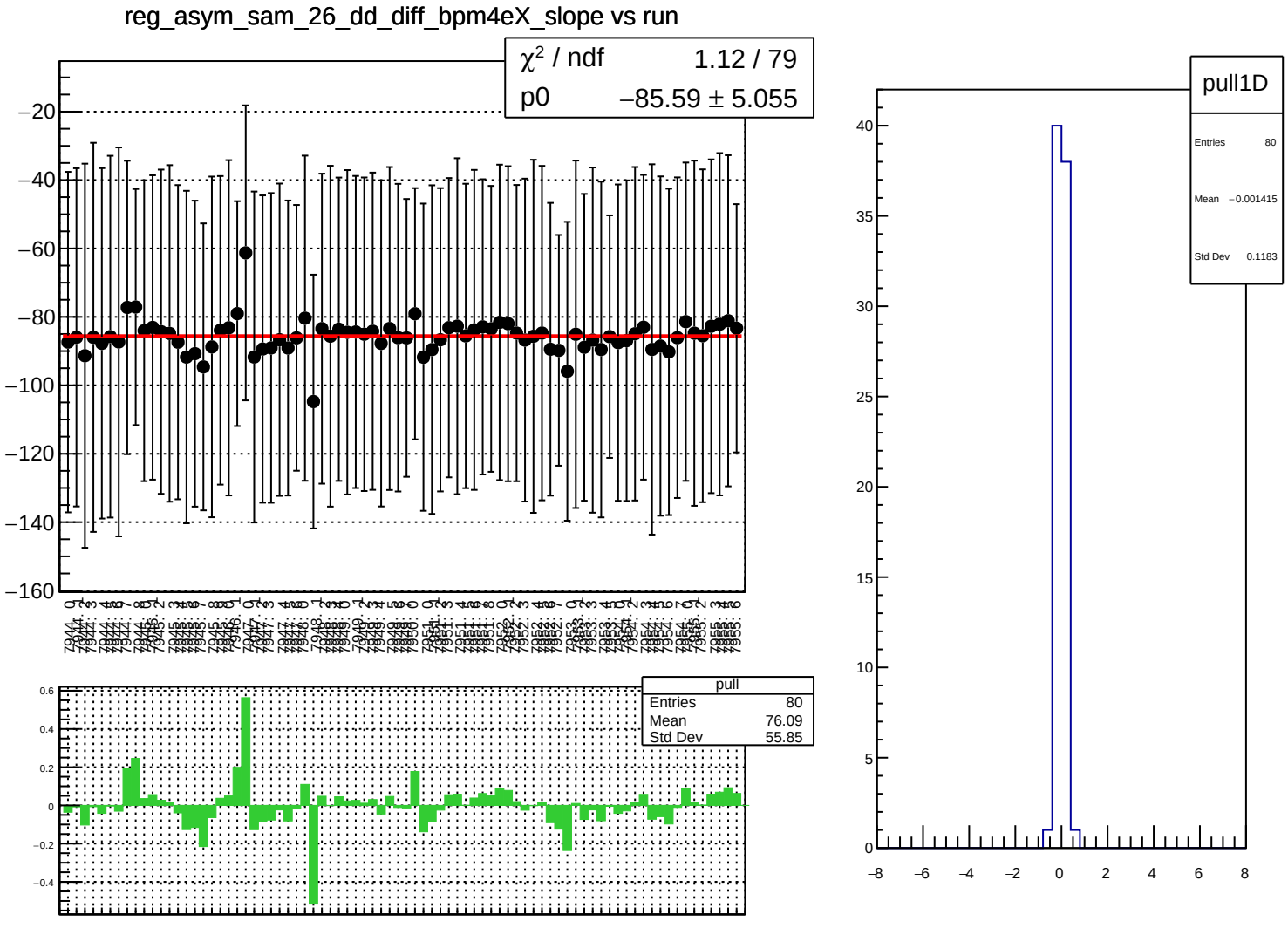

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.61 / 79
p0 0.1782 ± 3.368
pull
Entries 80
Mean 337.3
Std Dev 301.4
pull1D
Entries 80
Mean 0.0111
Std Dev 0.4821

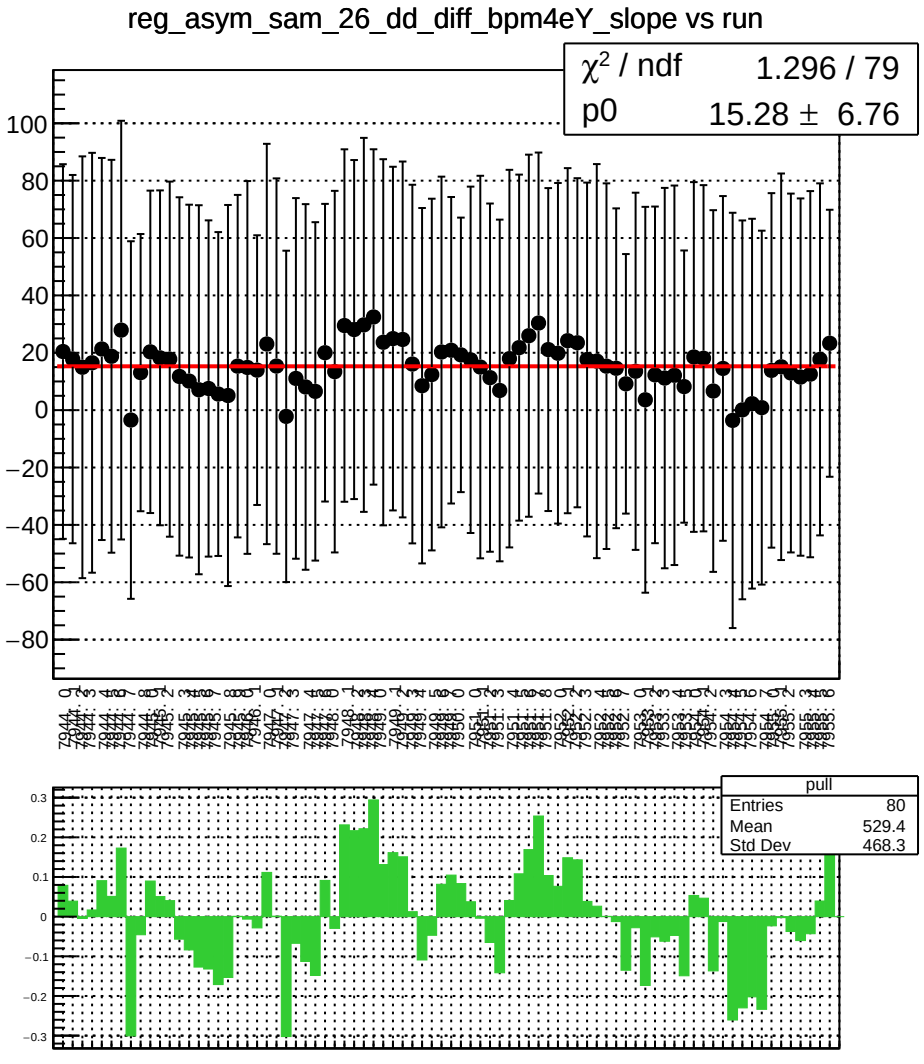

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 14.87 / 79
p0 0.55 ± 0.09488
pull
Entries 80
Mean −747.2
Std Dev 788.7
pull1D
Entries 80
Mean −0.005876
Std Dev 0.4311

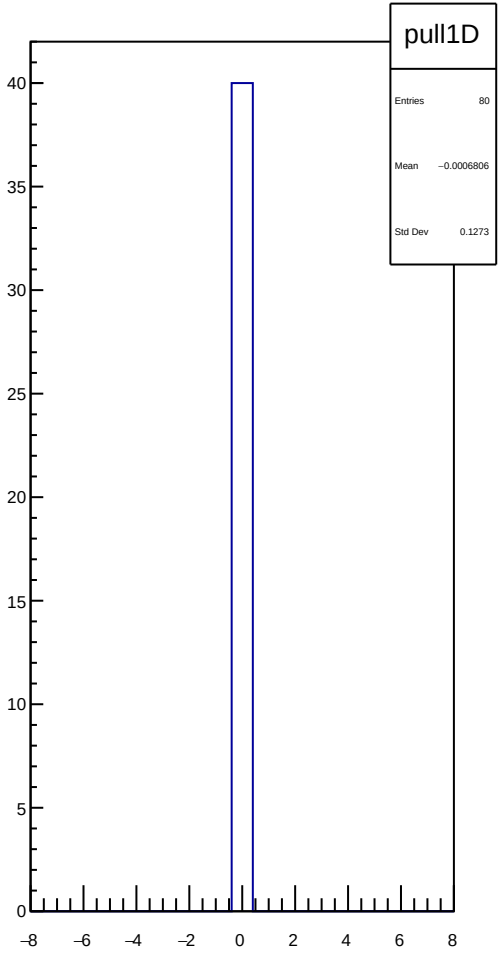

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.019 / 79
p0 −59.39 ± 5.697
pull
Entries 80
Mean 114.8
Std Dev 65.48

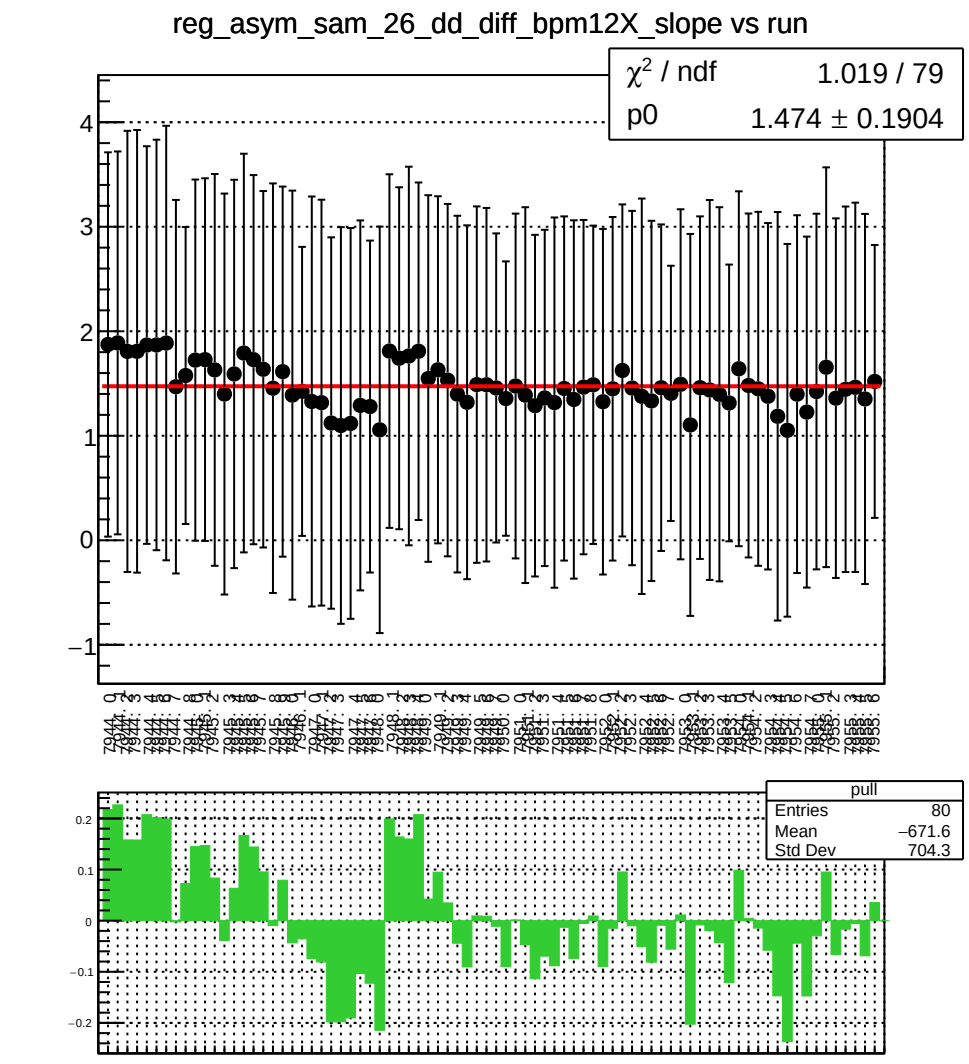

pull1D
Entries 80
Mean 0.001823
Std Dev 0.1128

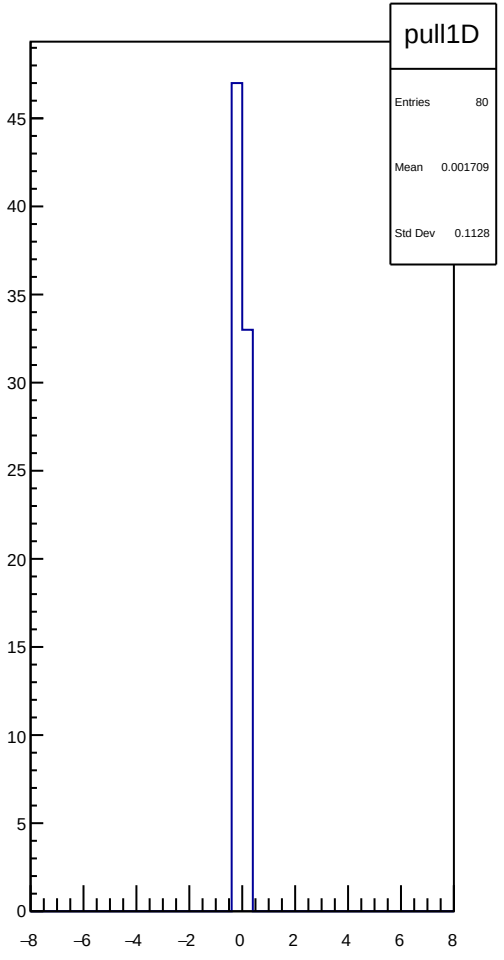

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.239 / 79
p0 −151 ± 5.88
pull
Entries 80
Mean 593.9
Std Dev 538.9
pull1D
Entries 80
Mean 0.0006815
Std Dev 0.1245

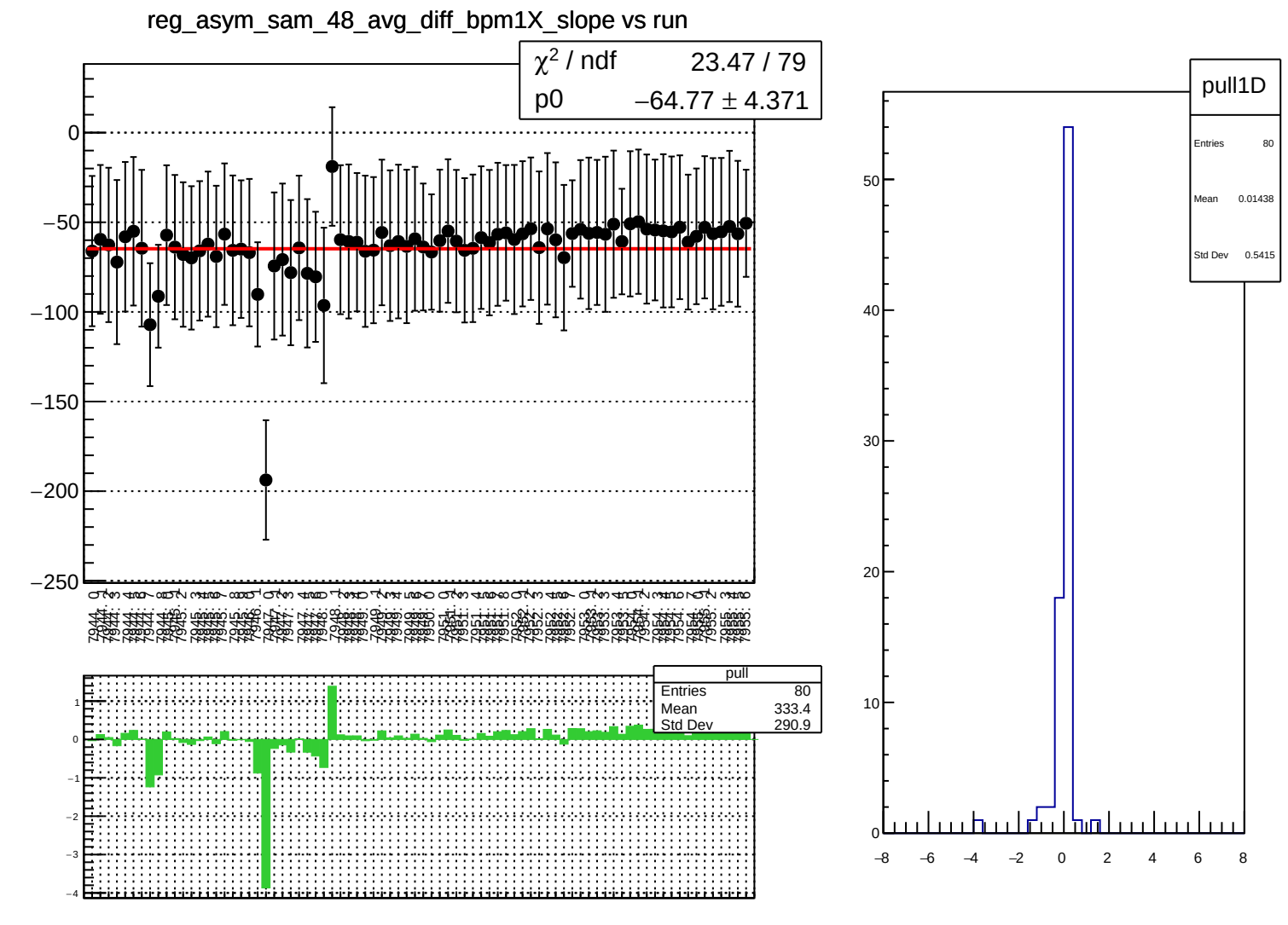

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.12 / 79
p0 −85.59 ± 5.055
pull
Entries 80
Mean 76.09
Std Dev 55.85
pull1D
Entries 80
Mean −0.001415
Std Dev 0.1183

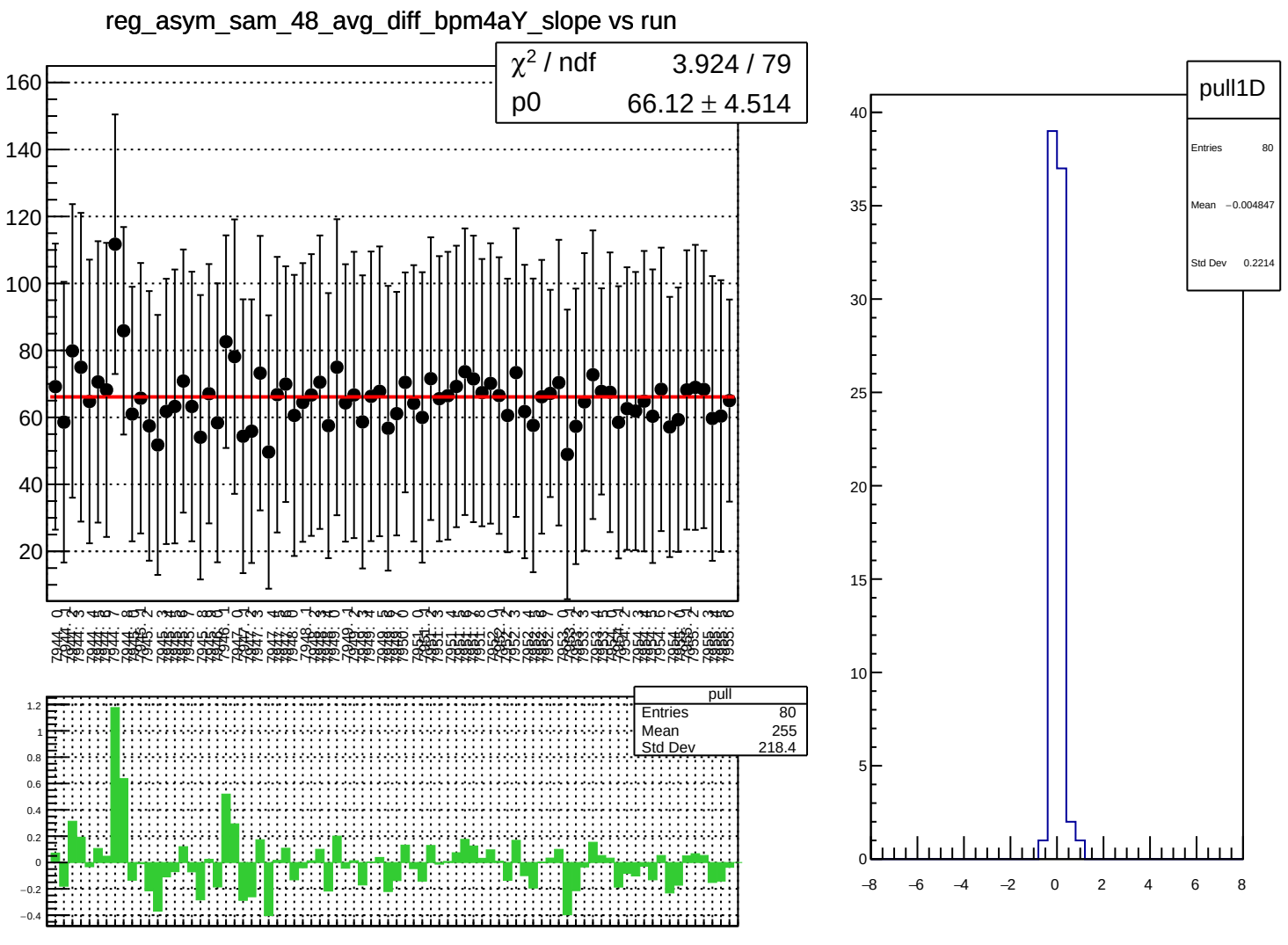

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.296 / 79
p0 15.28 ± 6.76
pull
Entries 80
Mean 529.4
Std Dev 468.3

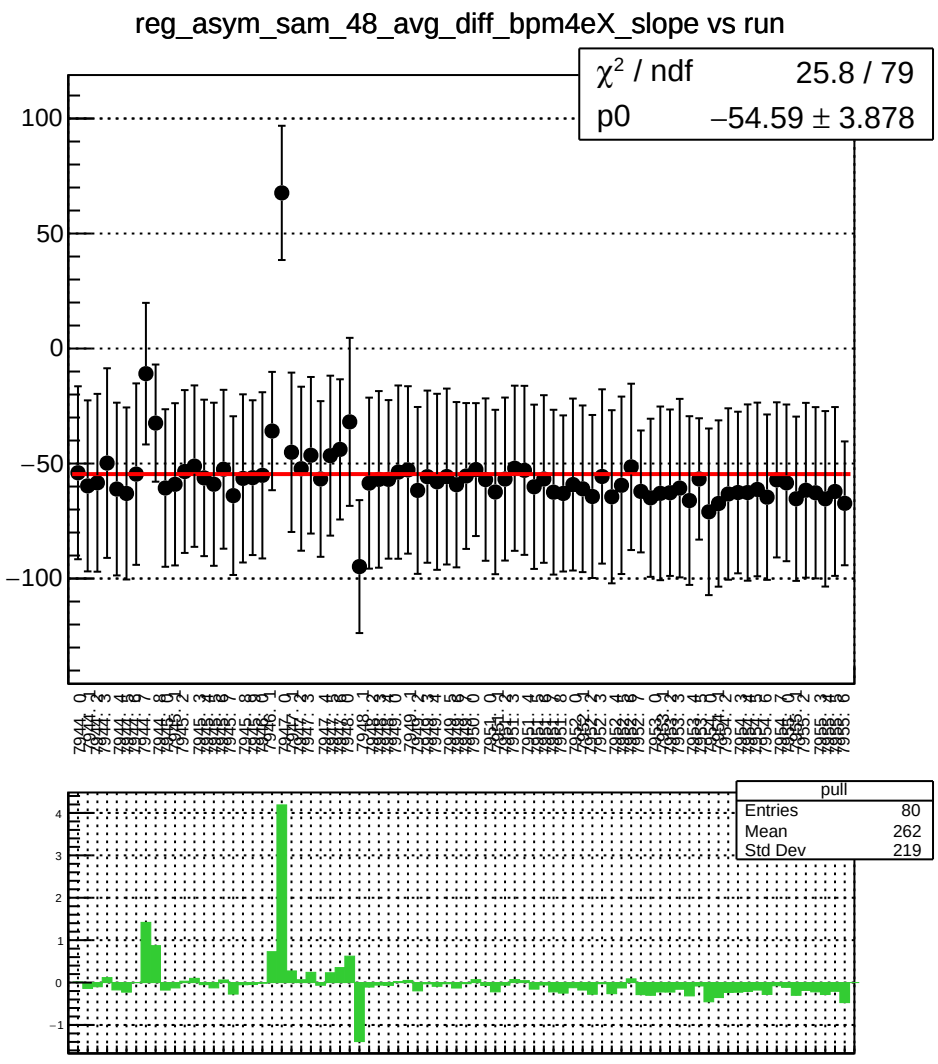

pull1D
Entries 80
Mean −0.0006806
Std Dev 0.1273

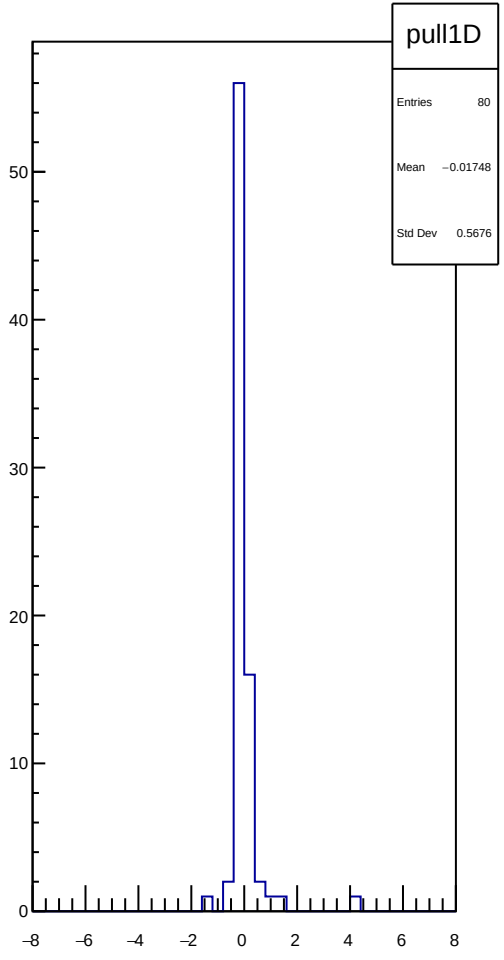

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.019 / 79
p0 1.474 ± 0.1904
pull
Entries 80
Mean −671.6
Std Dev 704.3

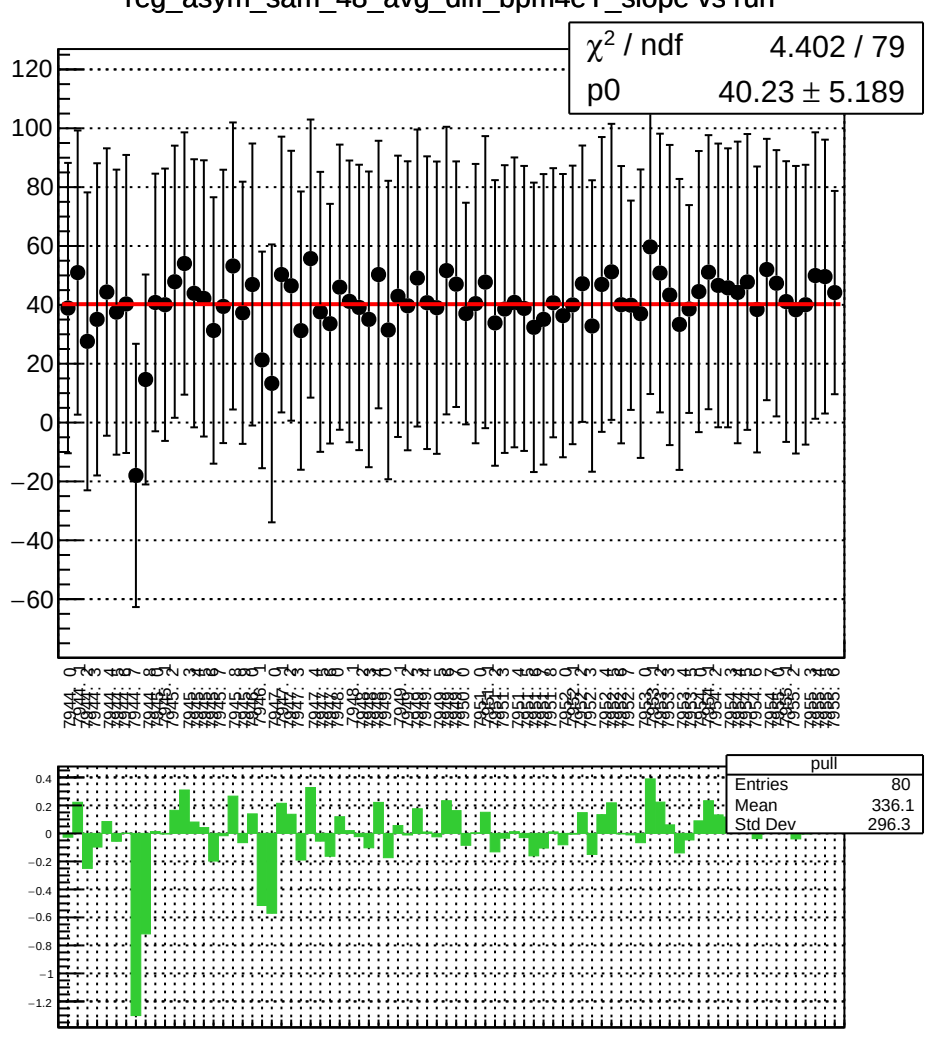

pull1D
Entries 80
Mean 0.001709
Std Dev 0.1128

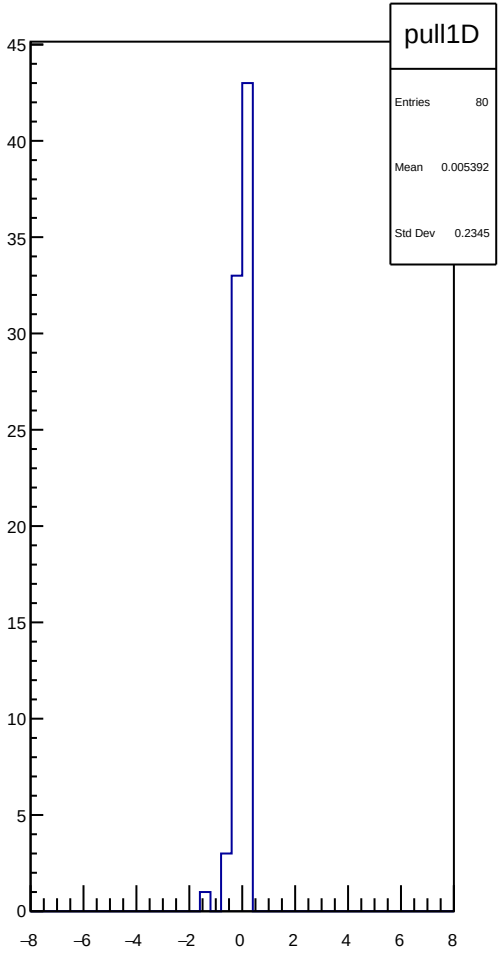

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 23.47 / 79
p0 −64.77 ± 4.371
pull
Entries 80
Mean 333.4
Std Dev 290.9
pull1D
Entries 80
Mean 0.01438
Std Dev 0.5415

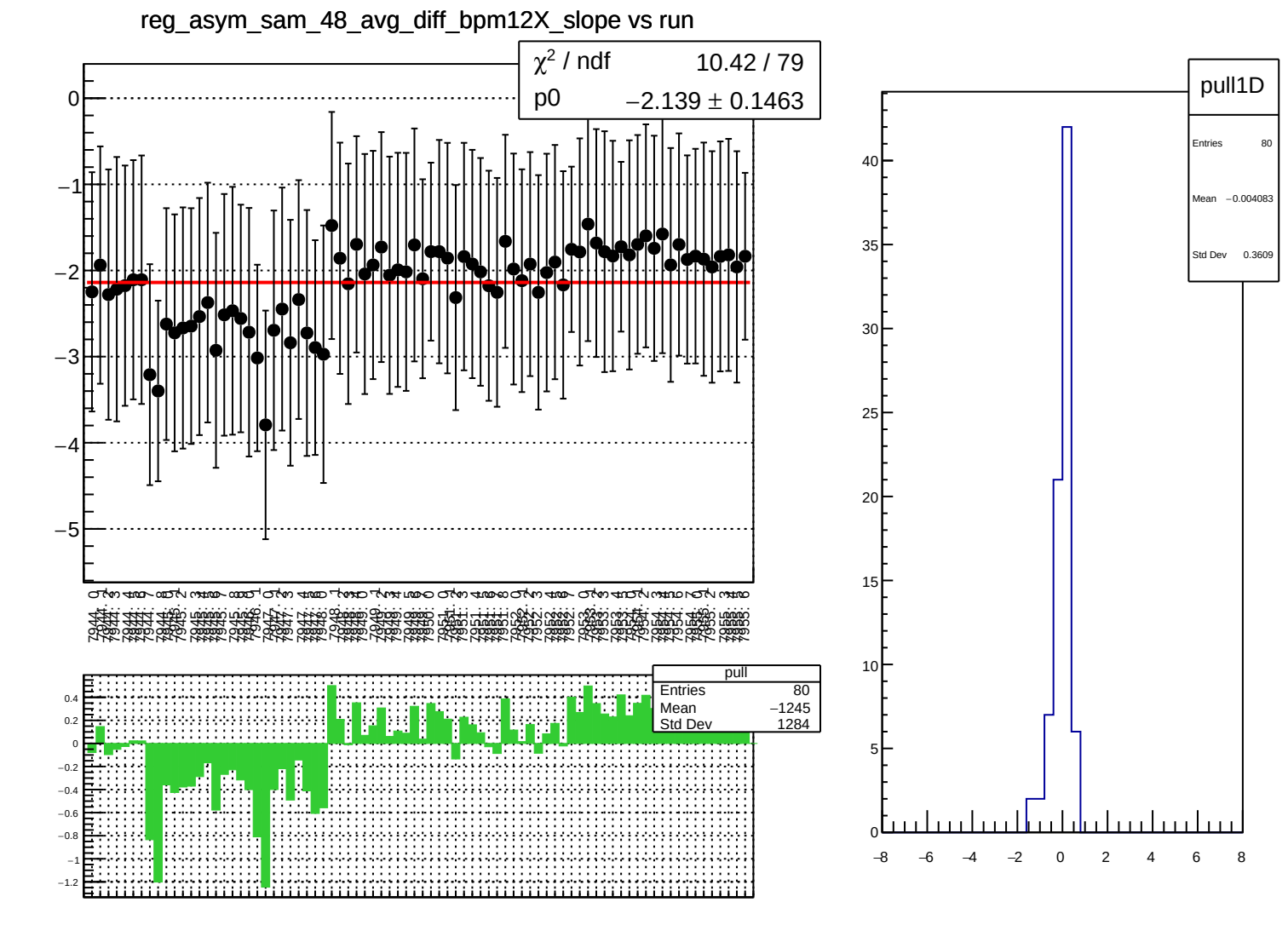

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.924 / 79
p0 66.12 ± 4.514
pull
Entries 80
Mean 255
Std Dev 218.4
pull1D
Entries 80
Mean −0.004847
Std Dev 0.2214

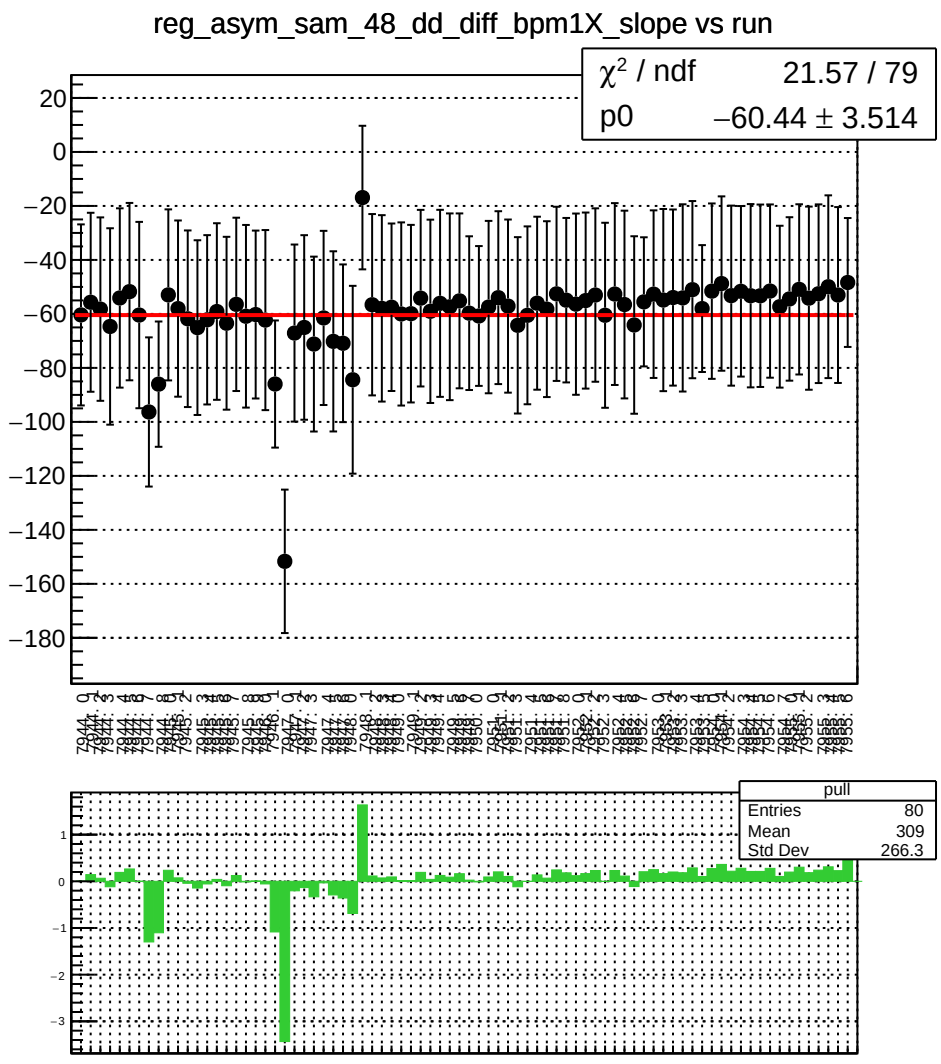

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.8 / 79
p0 −54.59 ± 3.878
100
50
0
−50
−100
pull
Entries 80
Mean 262
Std Dev 219
4
3
2
1
0
−1

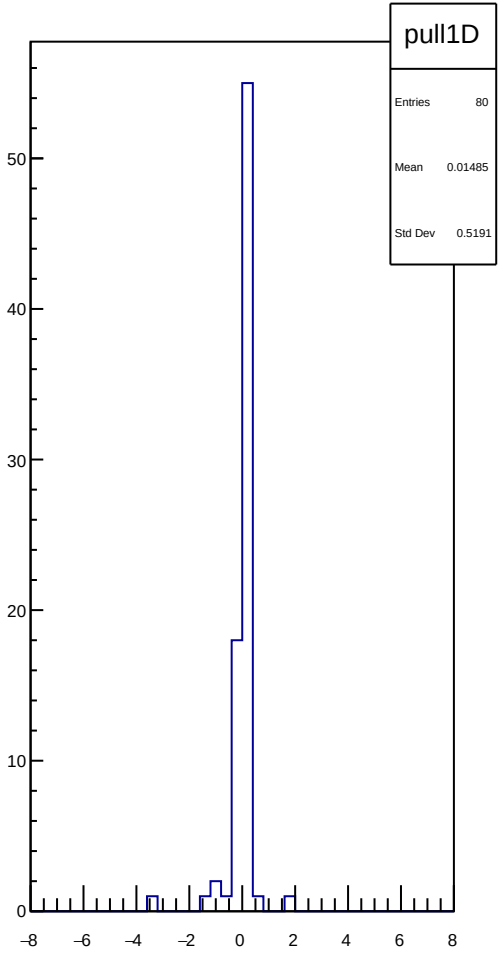

pull1D
Entries 80
Mean −0.01748
Std Dev 0.5676
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

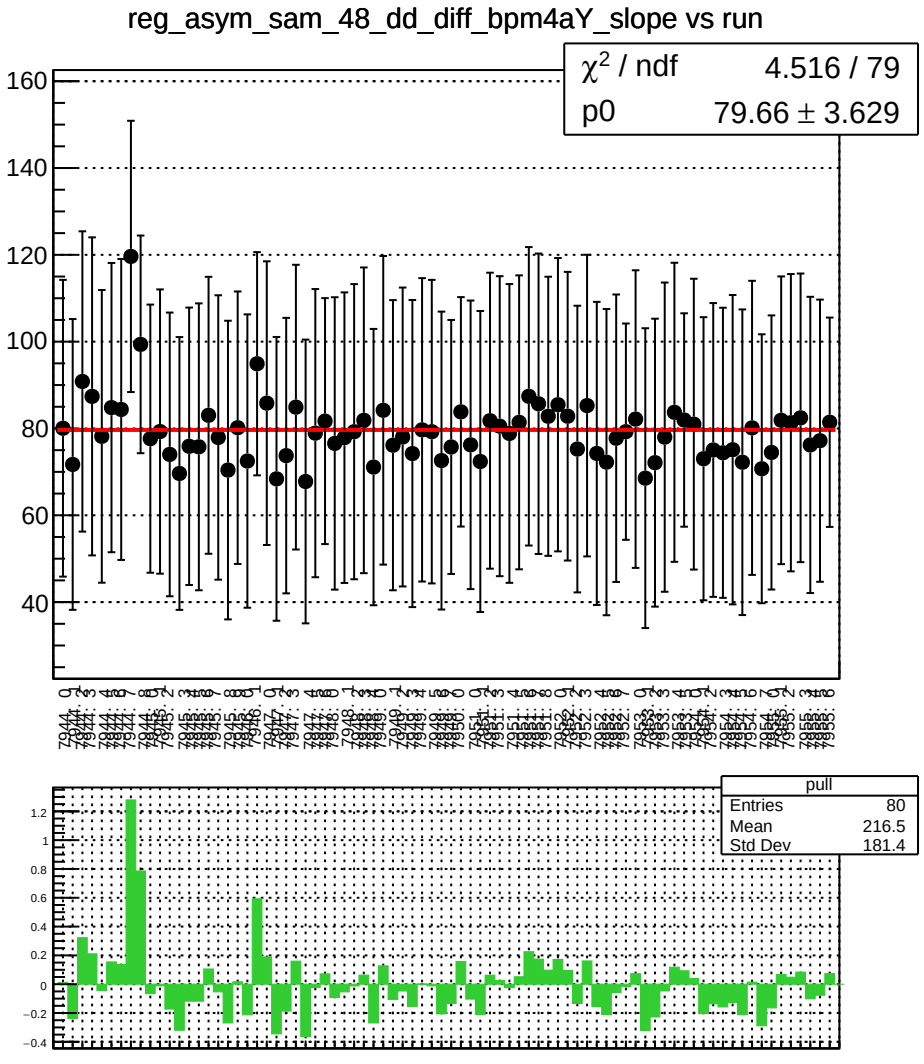

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.402 / 79
p0 40.23 ± 5.189
pull
Entries 80
Mean 336.1
Std Dev 296.3

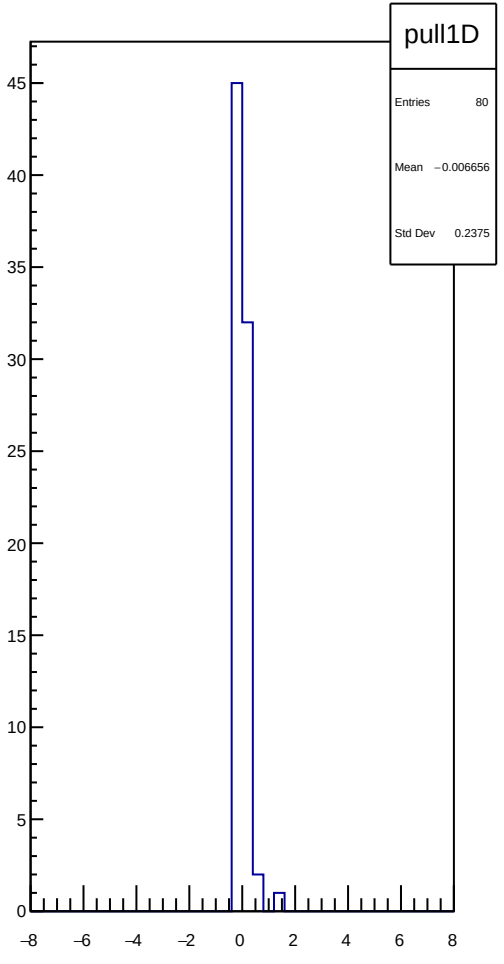

pull1D
Entries 80
Mean 0.005392
Std Dev 0.2345

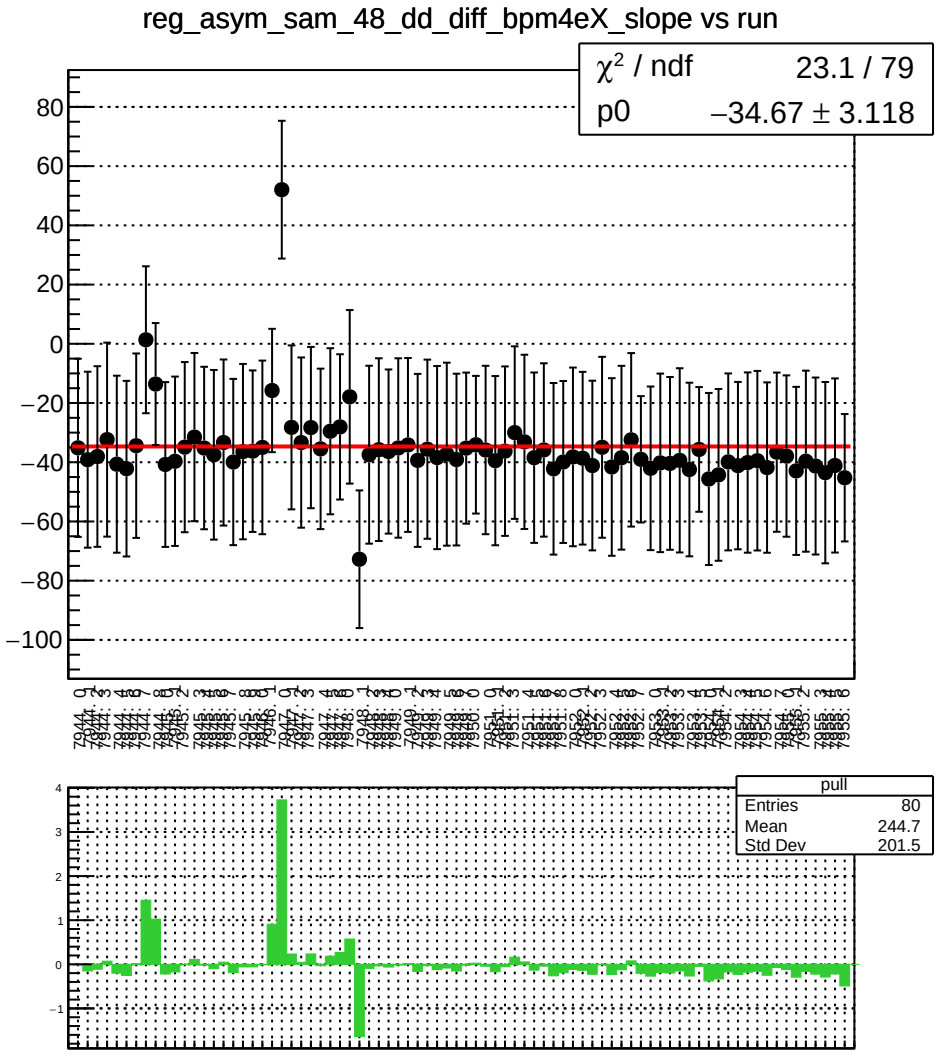

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 10.42 / 79
p0 −2.139 ± 0.1463
pull
Entries 80
Mean −1245
Std Dev 1284
pull1D
Entries 80
Mean −0.004083
Std Dev 0.3609

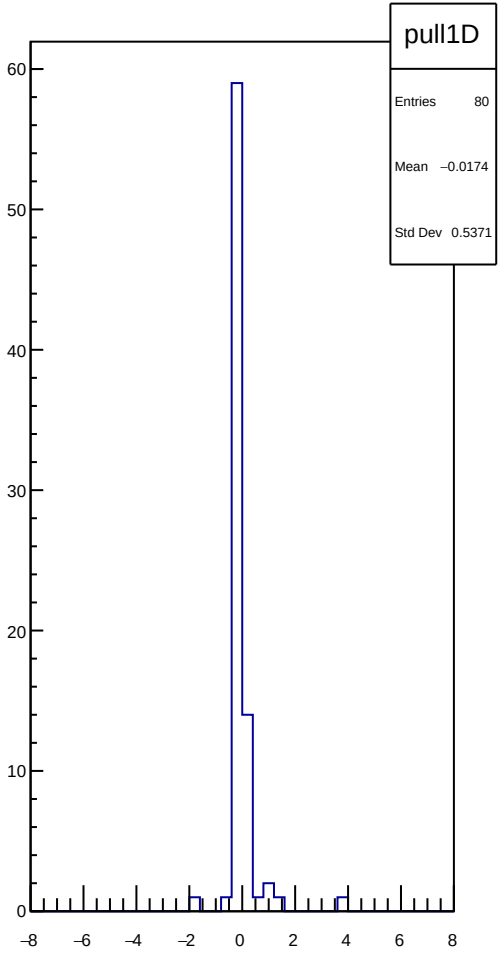

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 21.57 / 79
p0 −60.44 ± 3.514
pull
Entries 80
Mean 309
Std Dev 266.3

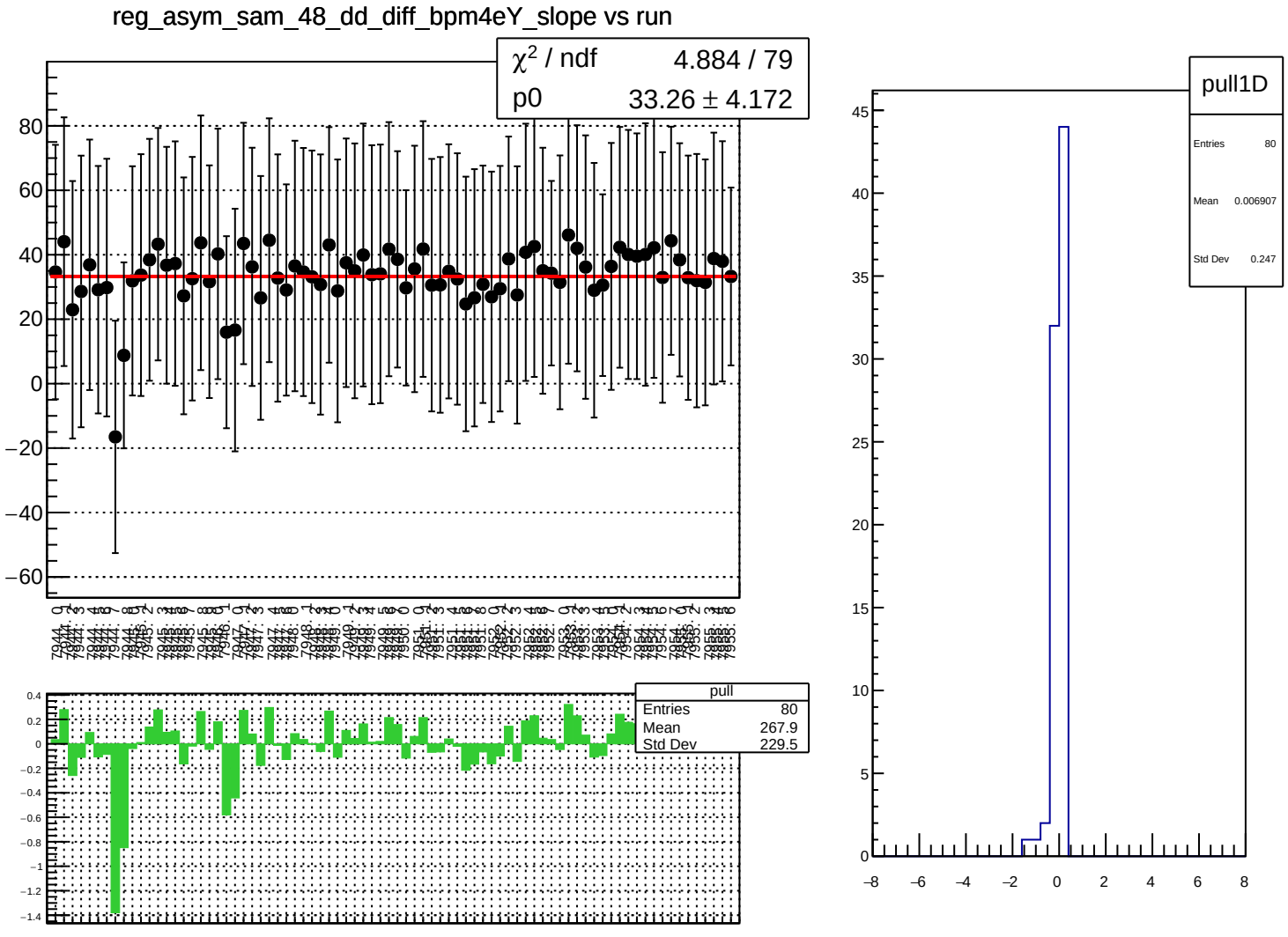

pull1D
Entries 80
Mean 0.01485
Std Dev 0.5191

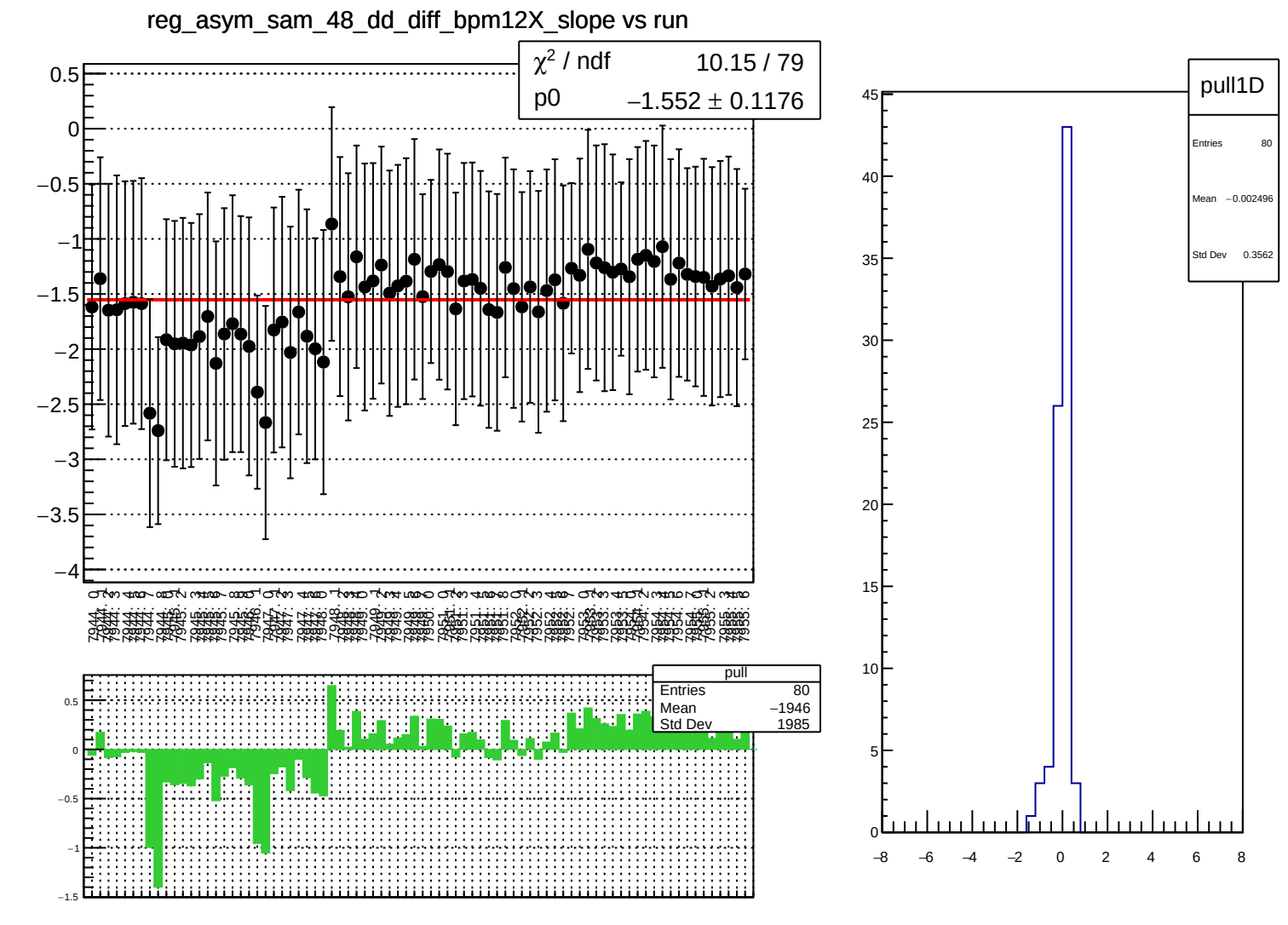

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.516 / 79
p0 79.66 ± 3.629
pull
Entries 80
Mean 216.5
Std Dev 181.4

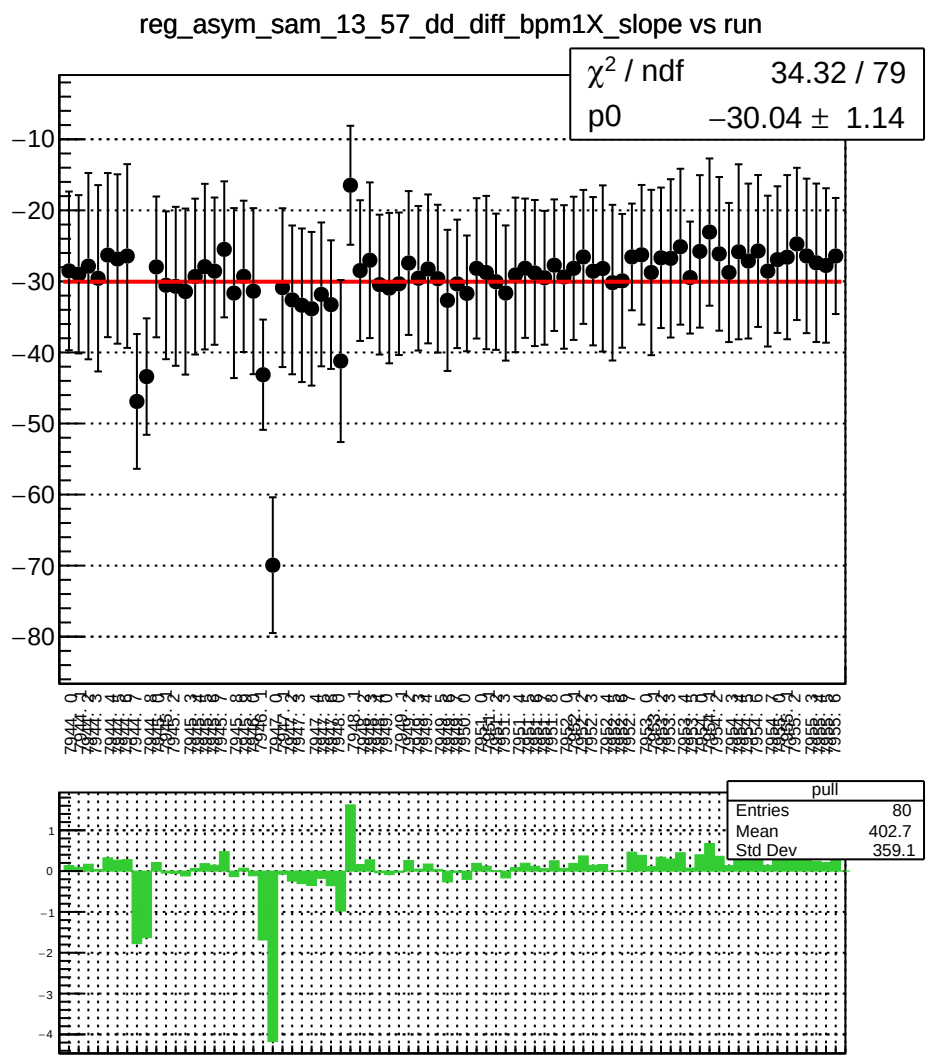

pull1D
Entries 80
Mean −0.006656
Std Dev 0.2375

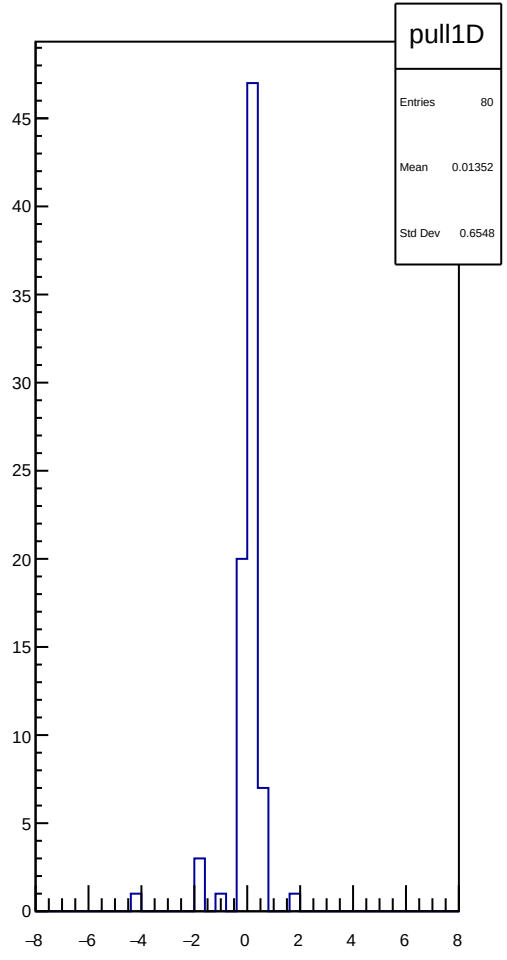

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.1 / 79
p0 −34.67 ± 3.118
pull
Entries 80
Mean 244.7
Std Dev 201.5

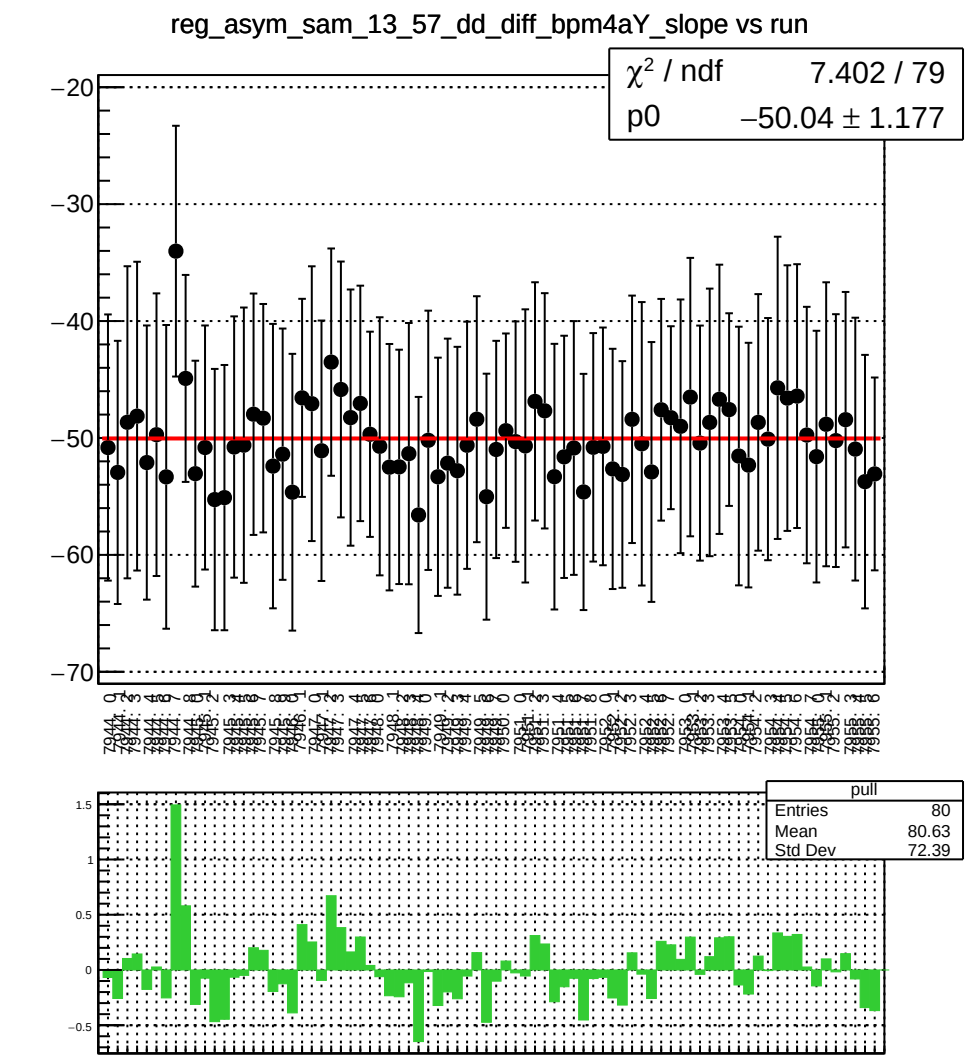

pull1D
Entries 80
Mean −0.0174
Std Dev 0.5371

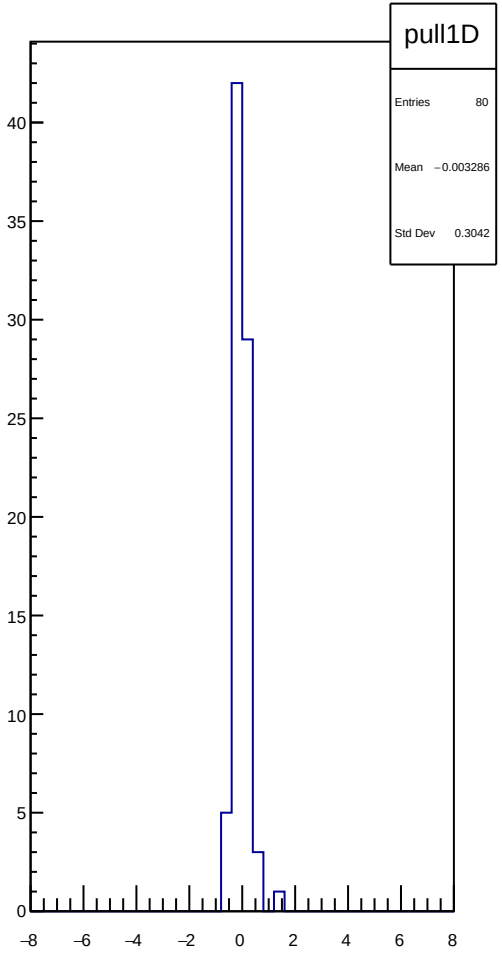

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.884 / 79
p0 33.26 ± 4.172
pull
Entries 80
Mean 267.9
Std Dev 229.5
pull1D
Entries 80
Mean 0.006907
Std Dev 0.247

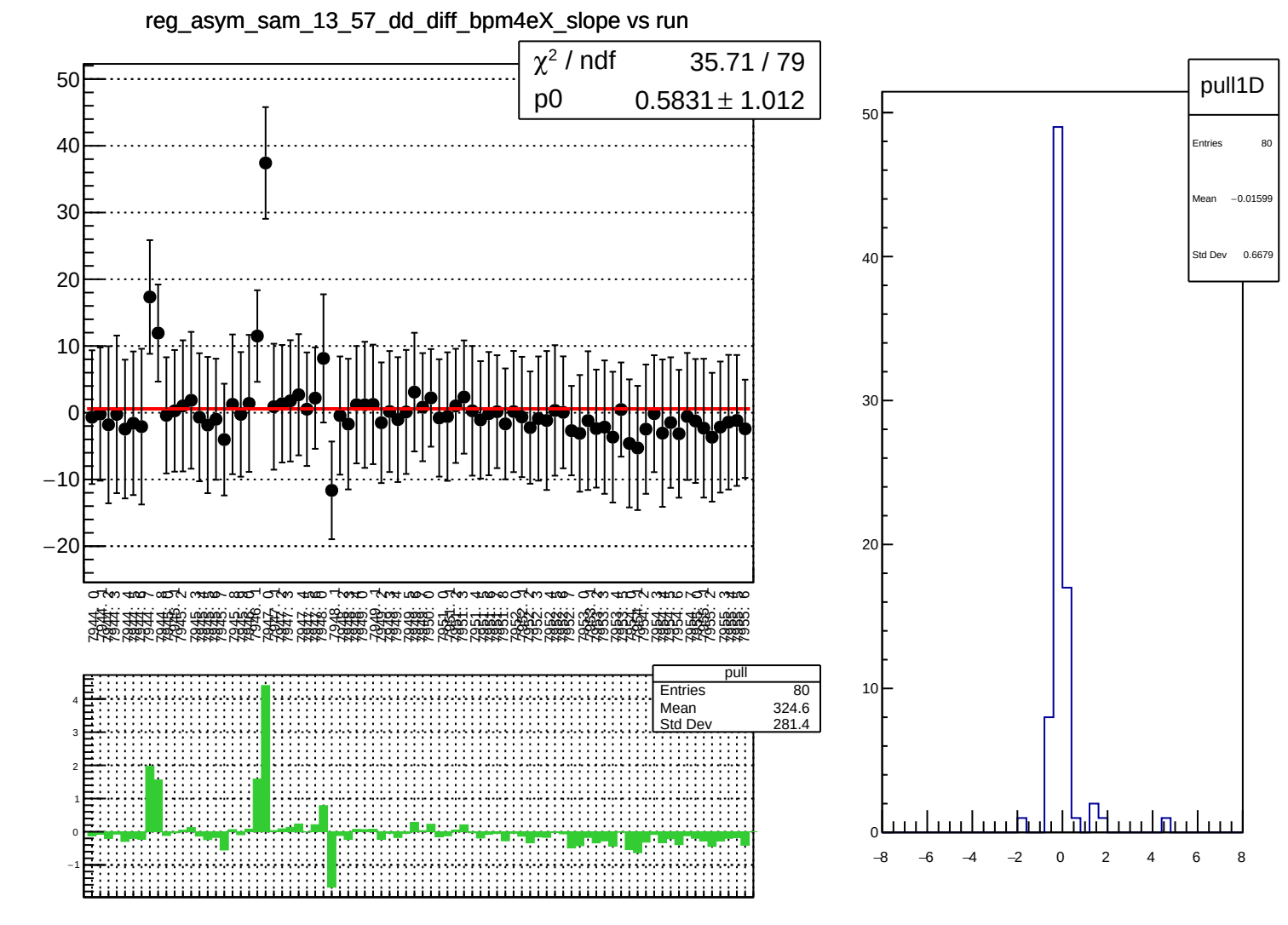

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.15 / 79
p0 −1.552 ± 0.1176
pull
Entries 80
Mean −1946
Std Dev 1985
pull1D
Entries 80
Mean −0.002496
Std Dev 0.3562

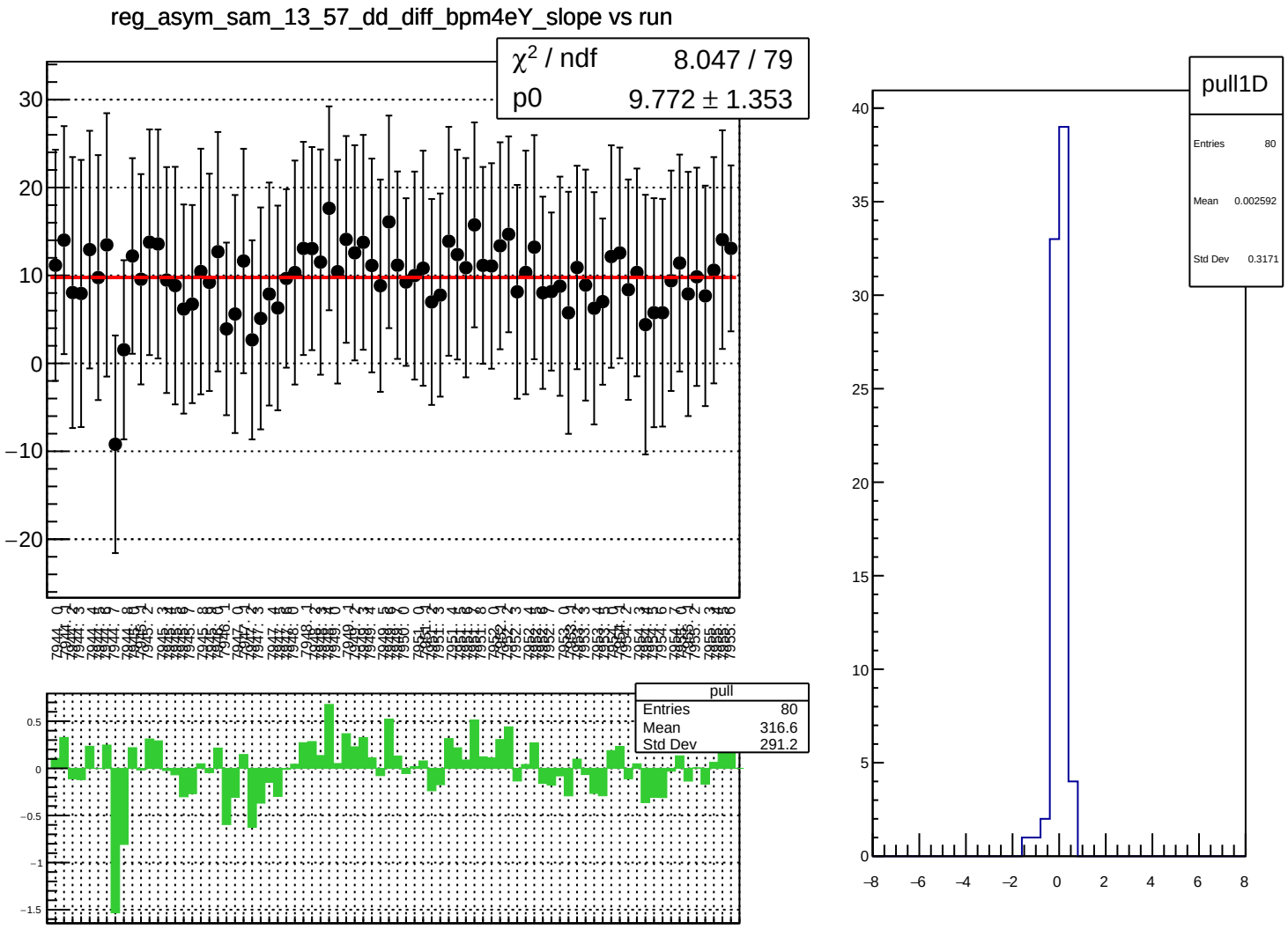

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 34.32 / 79
p0 −30.04 ± 1.14
pull
Entries 80
Mean 402.7
Std Dev 359.1

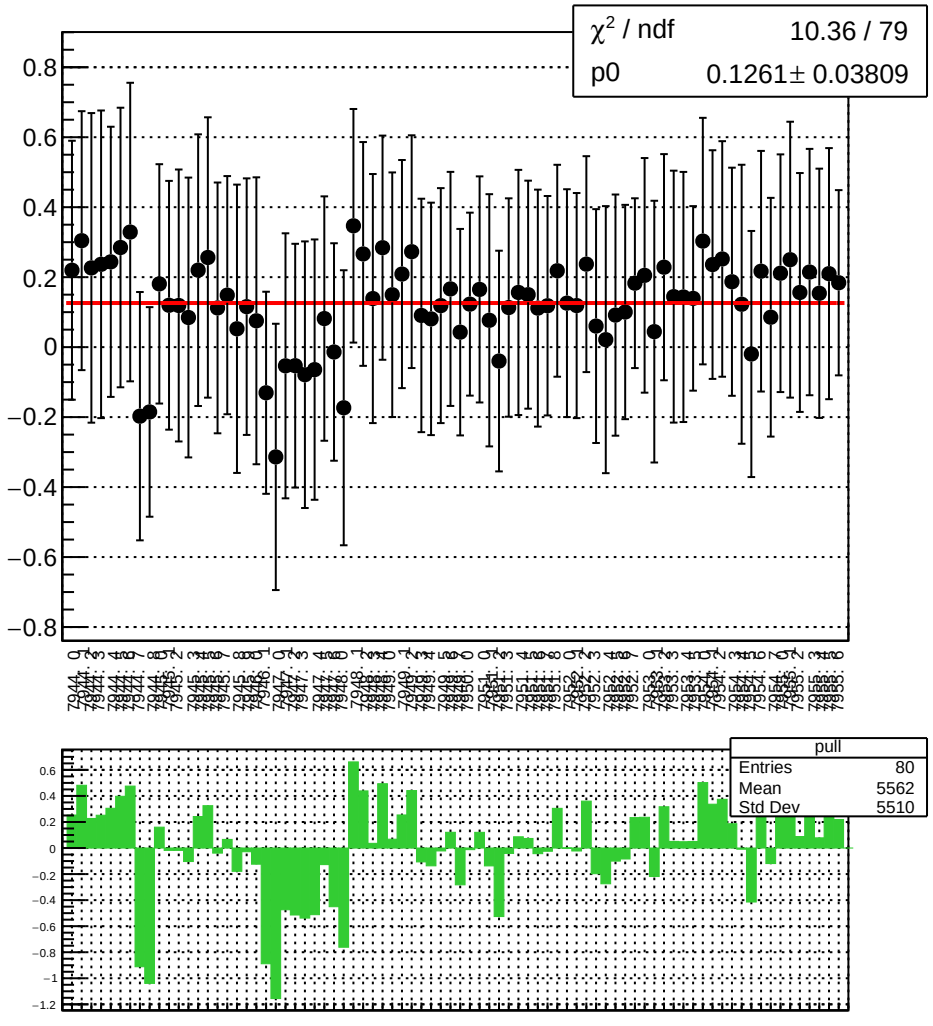

pull1D
Entries 80
Mean 0.01352
Std Dev 0.6548

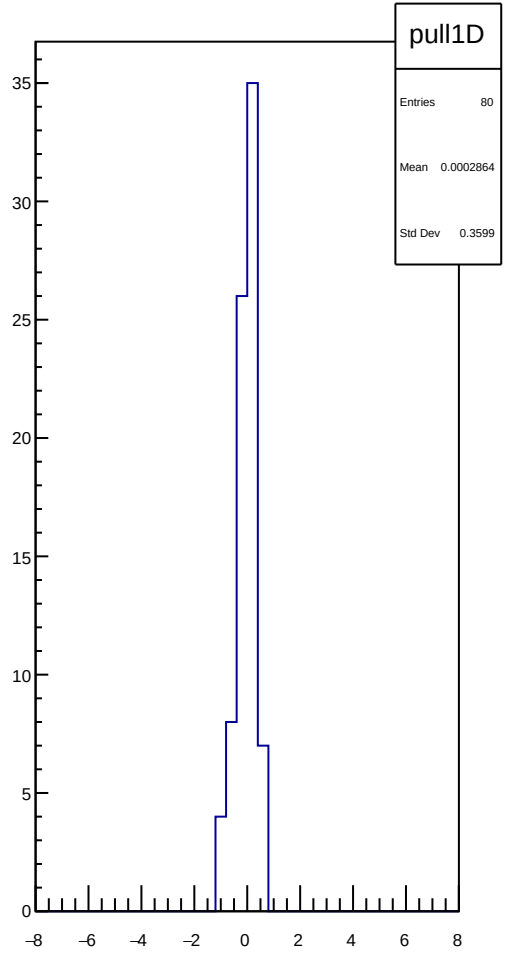

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.402 / 79
p0 −50.04 ± 1.177
pull
Entries 80
Mean 80.63
Std Dev 72.39

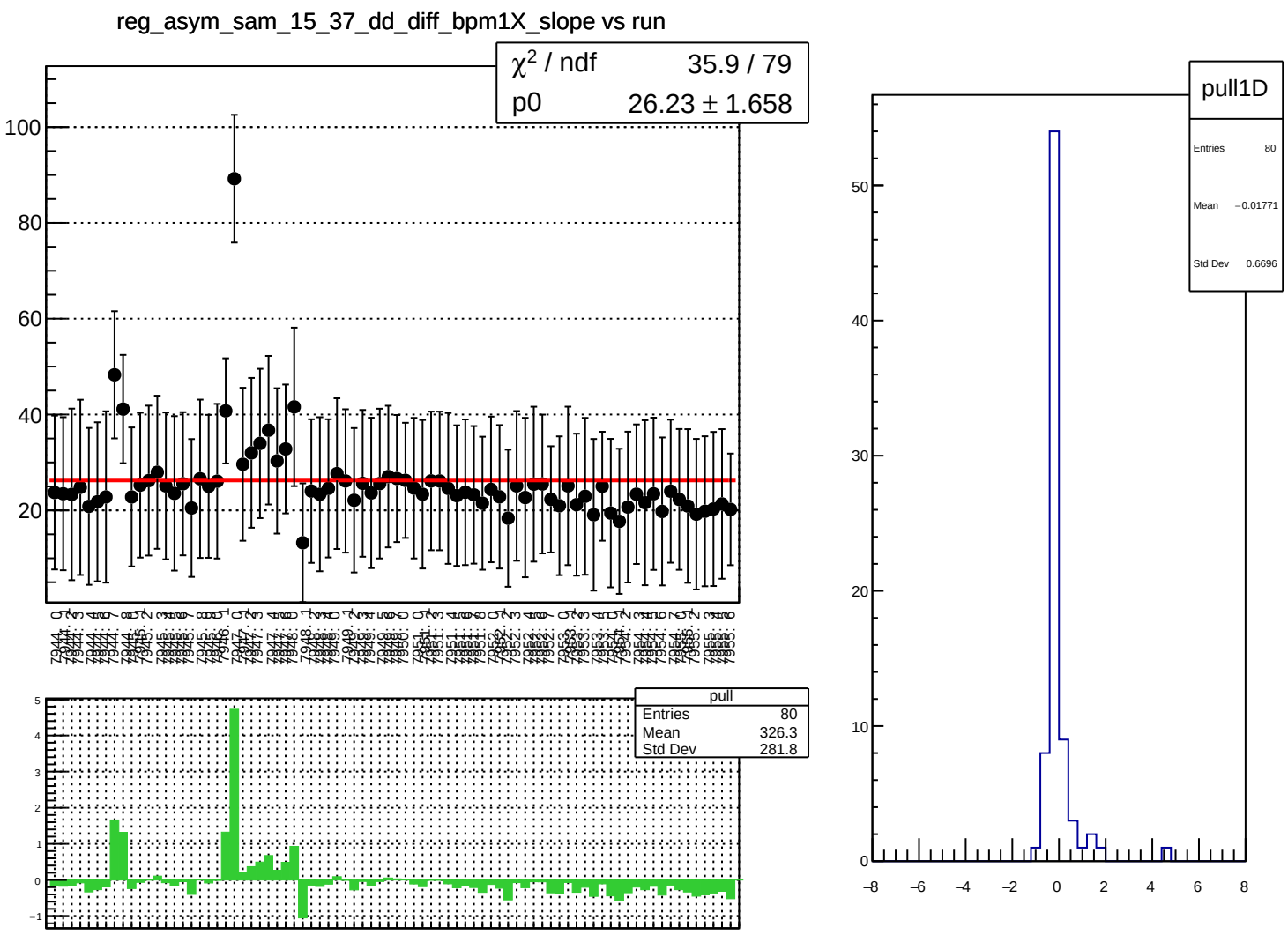

pull1D
Entries 80
Mean −0.003286
Std Dev 0.3042

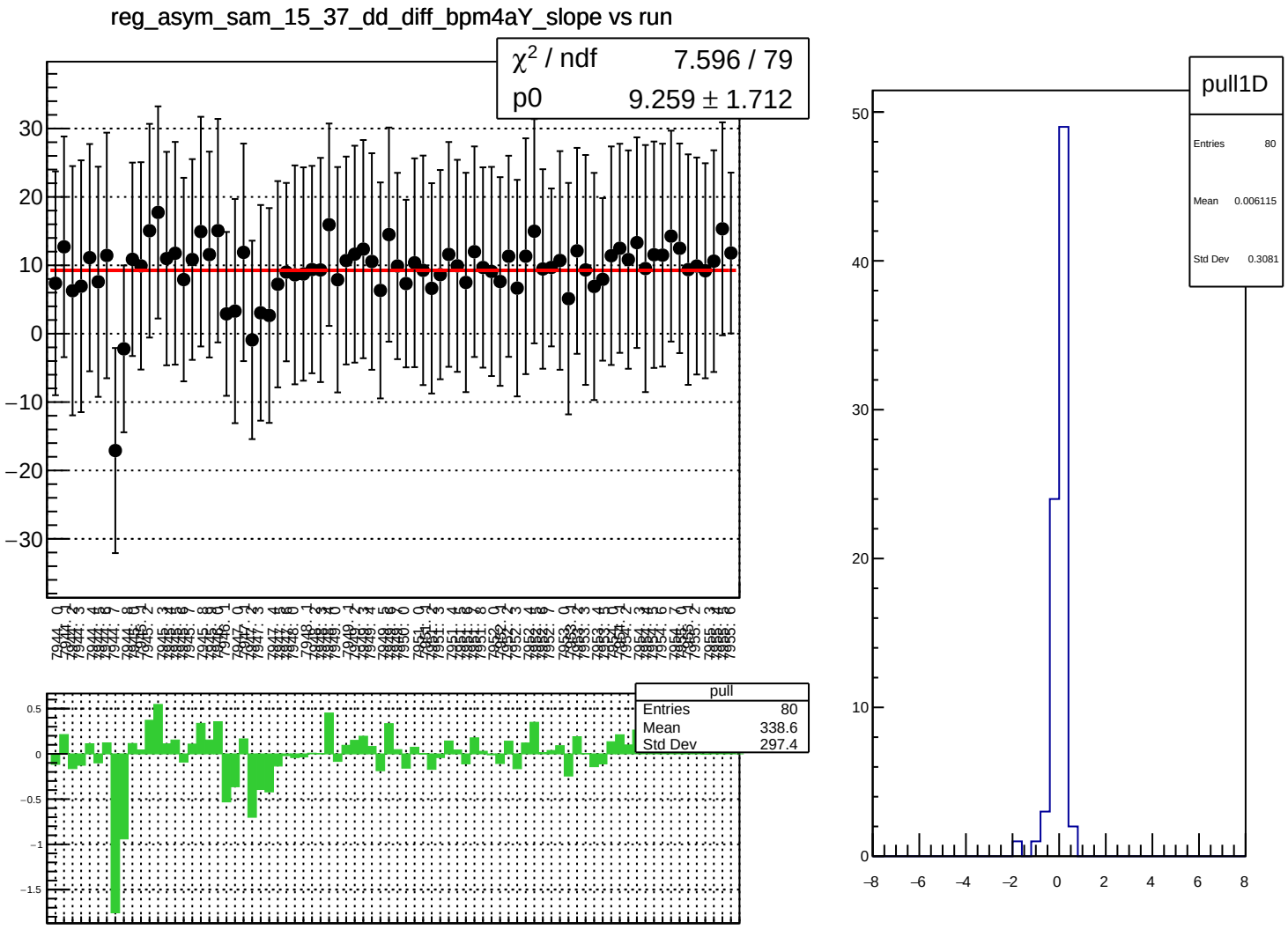

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.71 / 79
p0 0.5831 ± 1.012
pull
Entries 80
Mean 324.6
Std Dev 281.4
pull1D
Entries 80
Mean −0.01599
Std Dev 0.6679

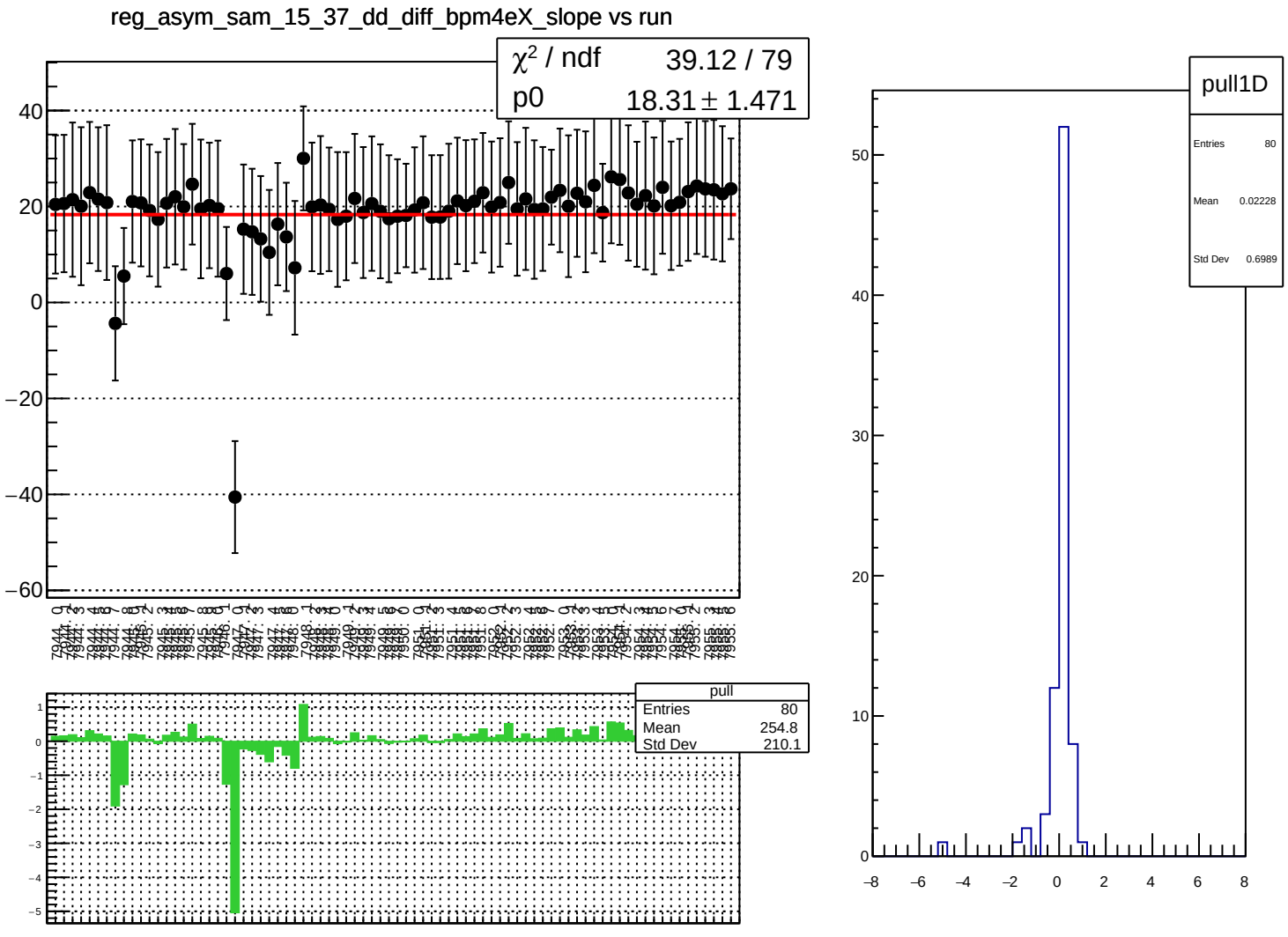

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.047 / 79
p0 9.772 ± 1.353
pull
Entries 80
Mean 316.6
Std Dev 291.2
pull1D
Entries 80
Mean 0.002592
Std Dev 0.3171

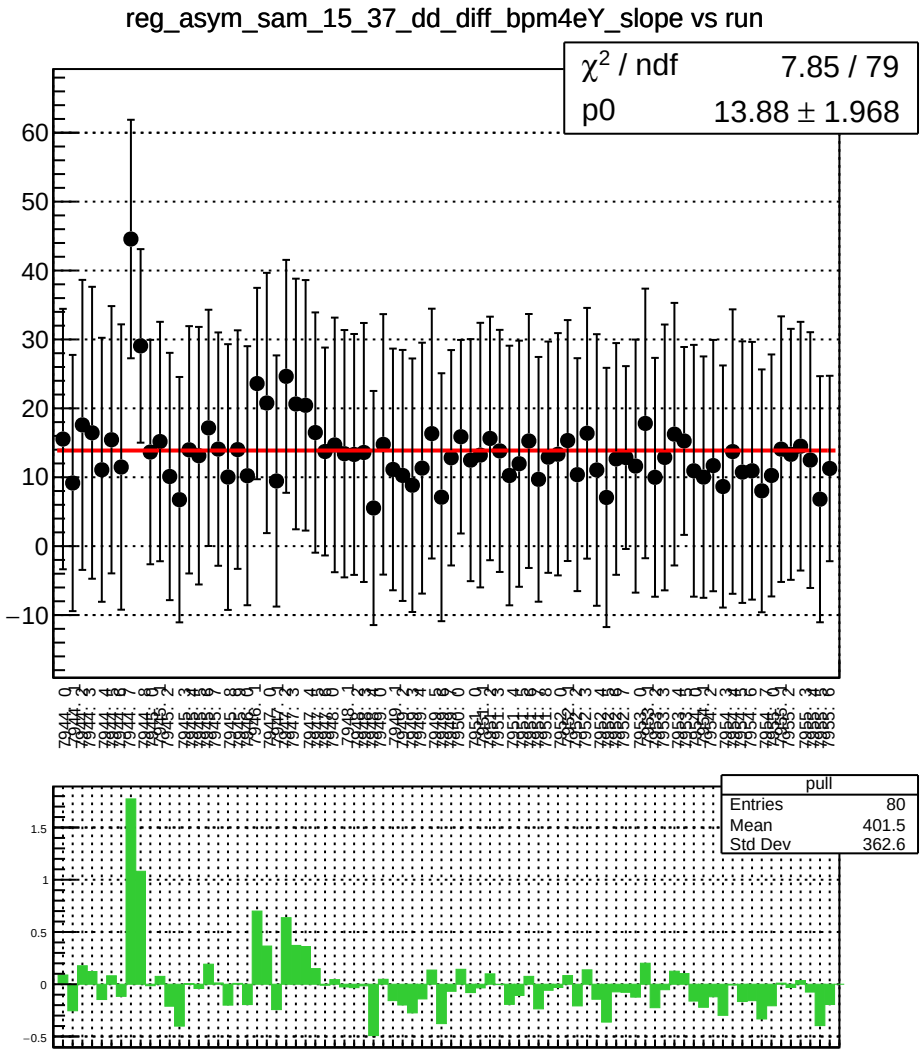

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 10.36 / 79
p0 0.1261± 0.03809
pull
Entries 80
Mean 5562
Std Dev 5510

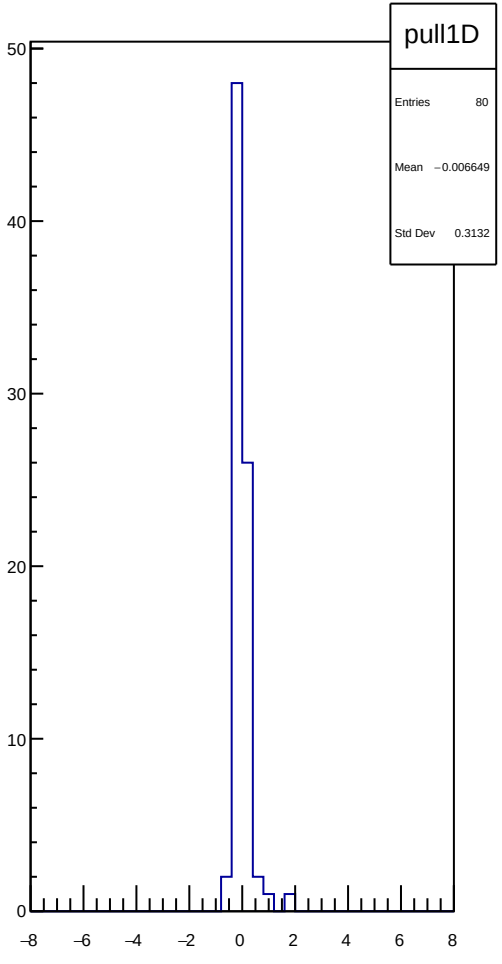

pull1D
Entries 80
Mean 0.0002864
Std Dev 0.3599

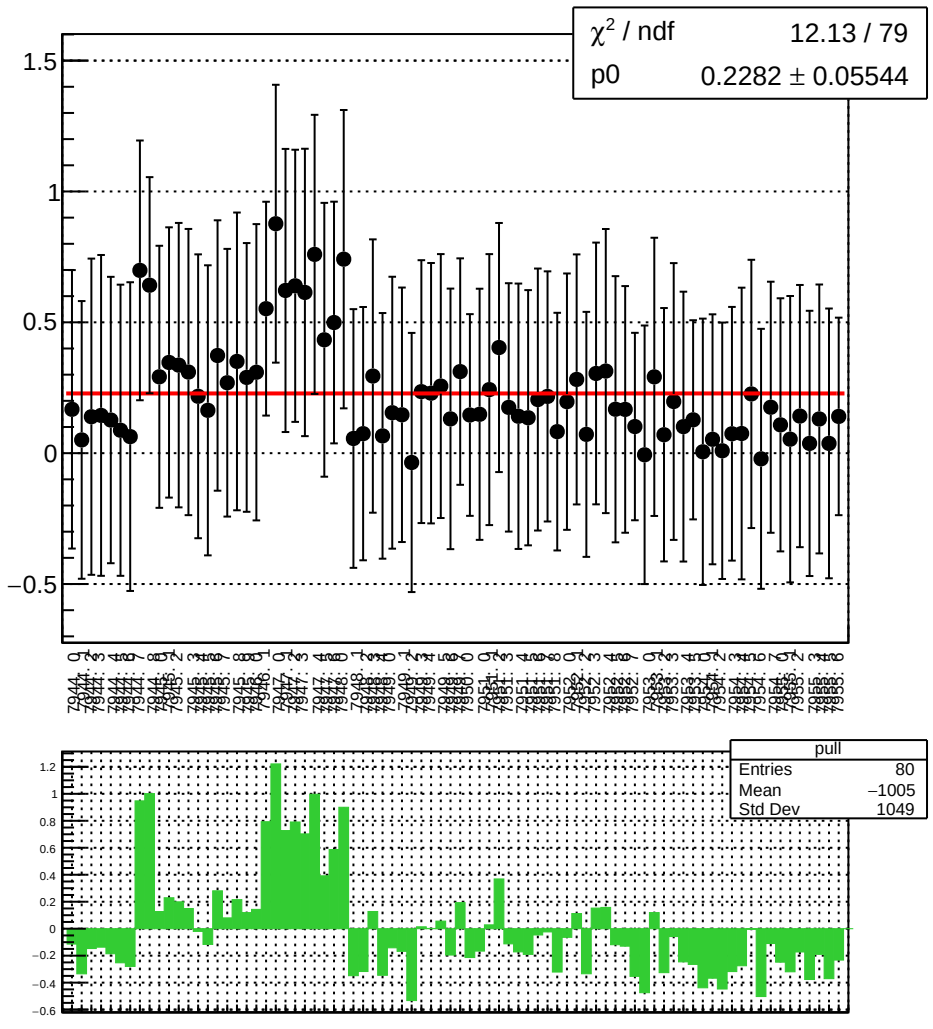

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 35.9 / 79
p0 26.23 ± 1.658
pull
Entries 80
Mean 326.3
Std Dev 281.8
pull1D
Entries 80
Mean −0.01771
Std Dev 0.6696

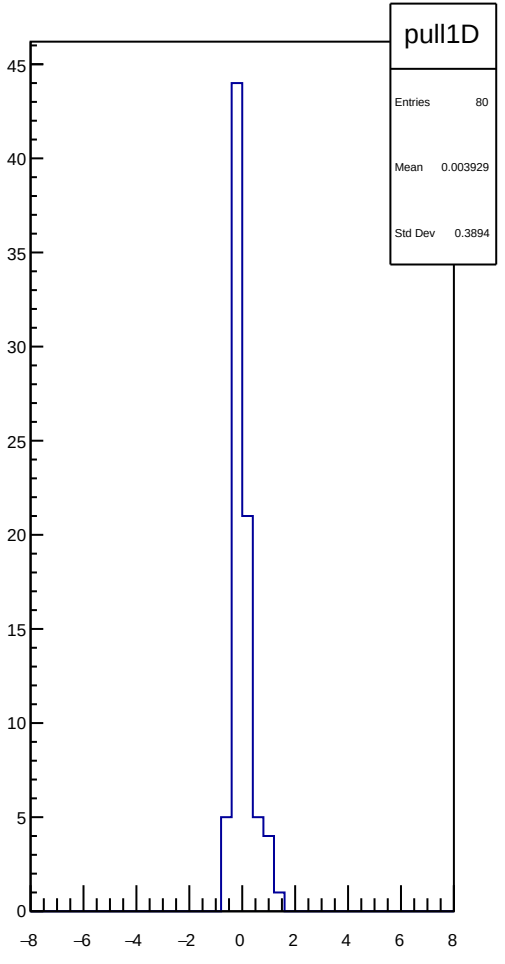

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.596 / 79
p0 9.259 ± 1.712
pull
Entries 80
Mean 338.6
Std Dev 297.4
pull1D
Entries 80
Mean 0.006115
Std Dev 0.3081

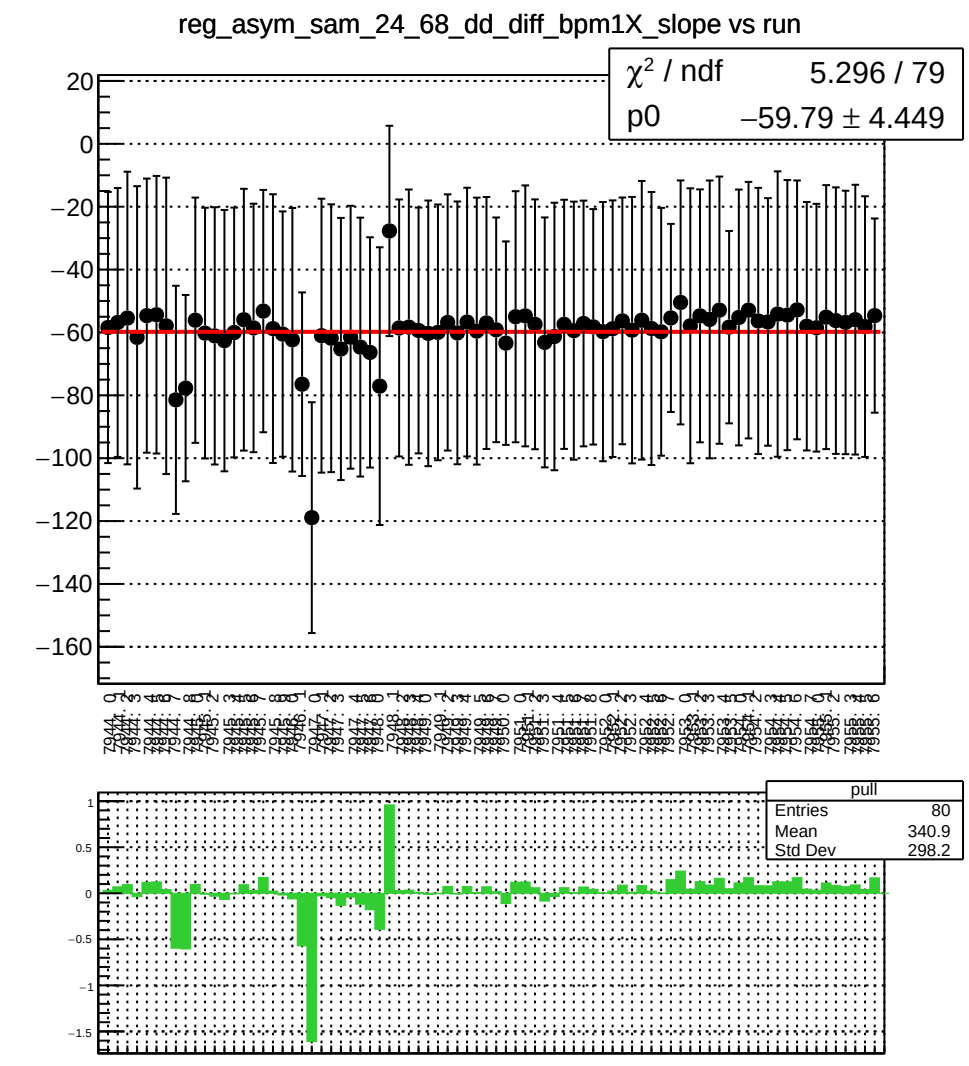

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.12 / 79
p0 18.31 ± 1.471
pull
Entries 80
Mean 254.8
Std Dev 210.1
pull1D
Entries 80
Mean 0.02228
Std Dev 0.6989

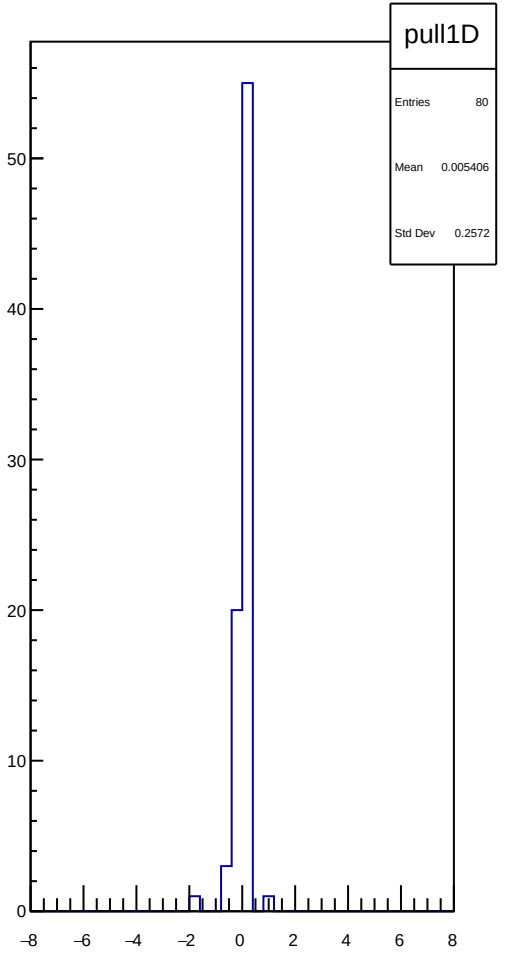

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.85 / 79
p0 13.88 ± 1.968
pull
Entries 80
Mean 401.5
Std Dev 362.6

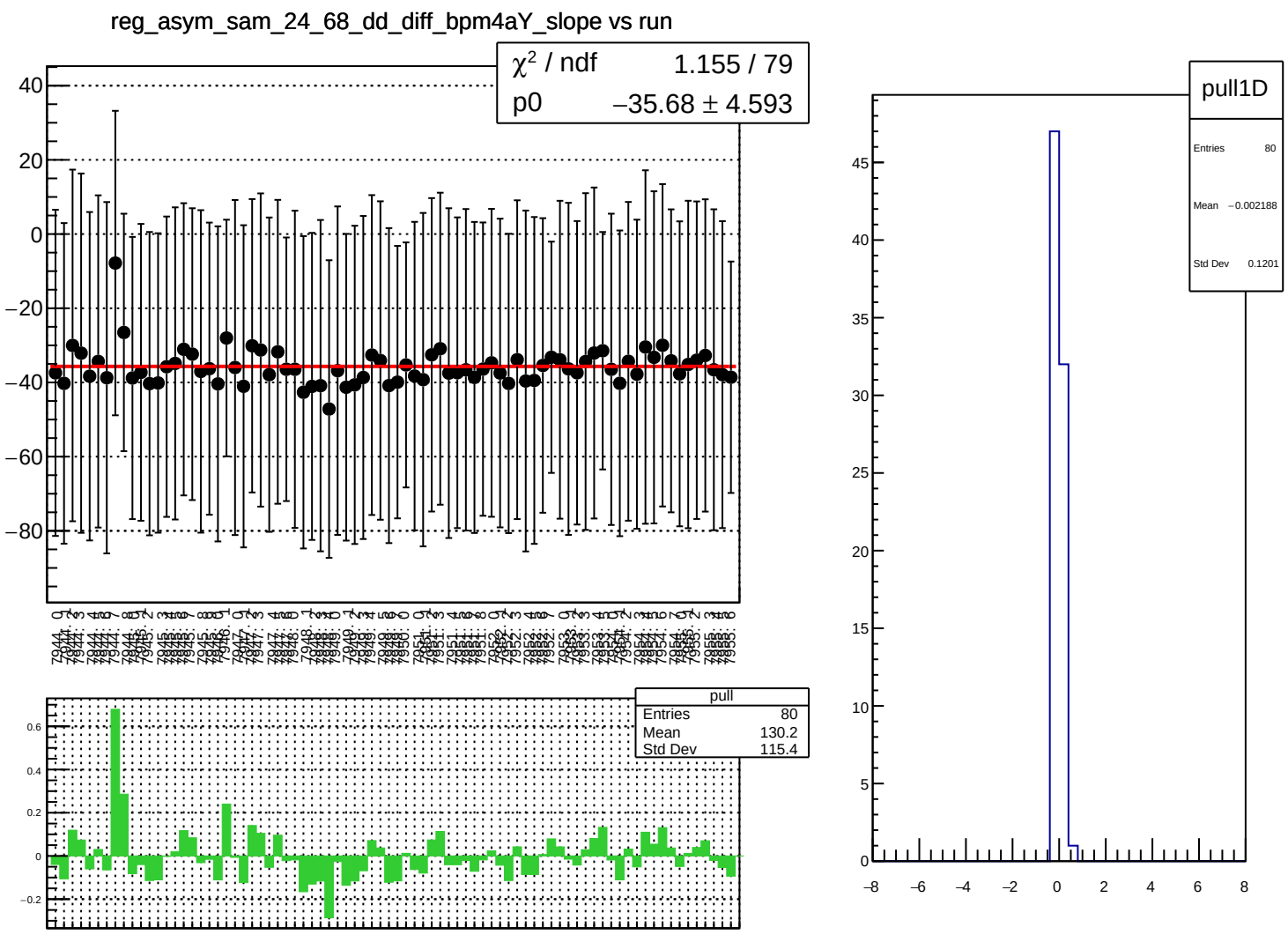

pull1D
Entries 80
Mean −0.006649
Std Dev 0.3132

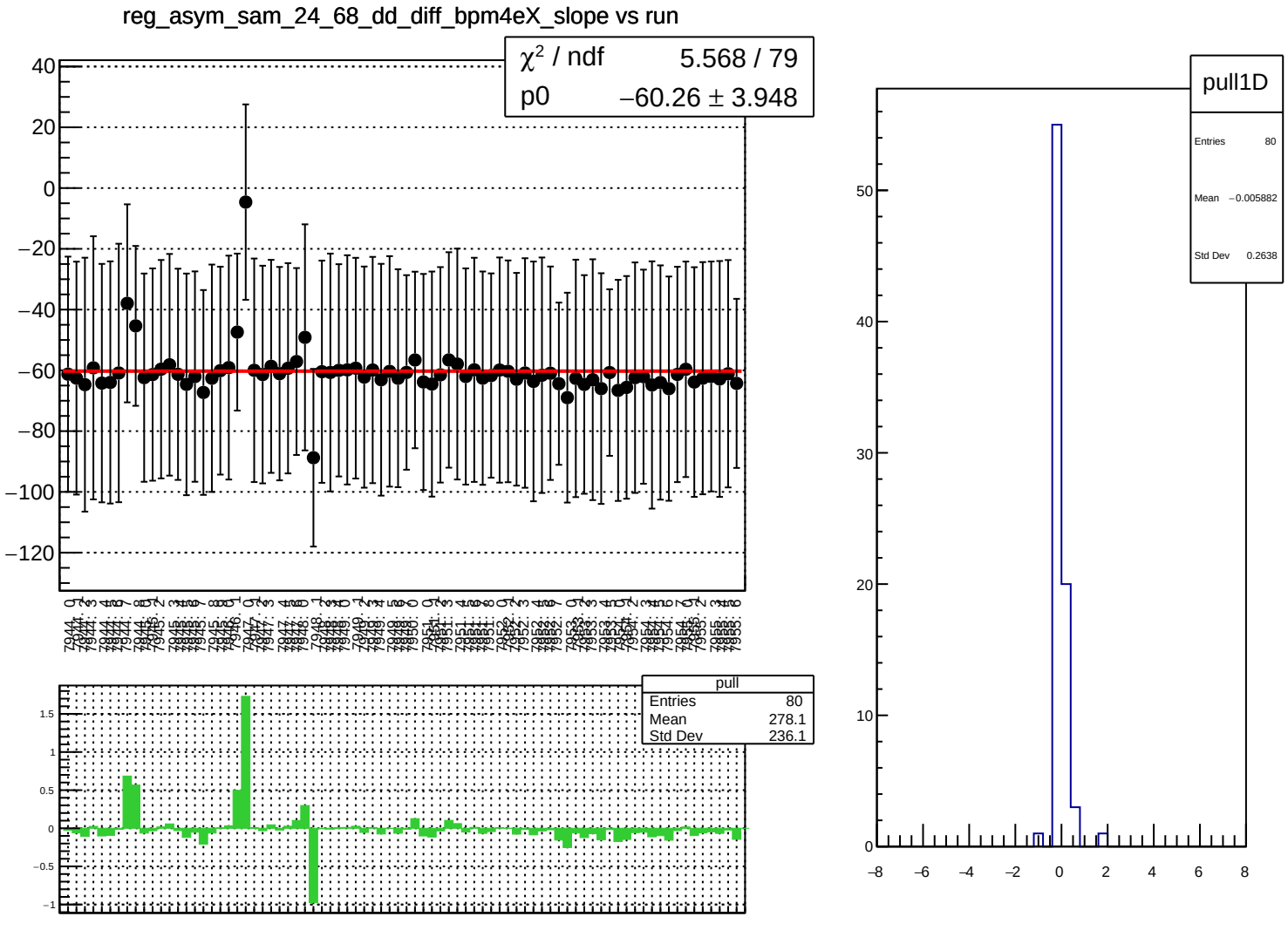

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 12.13 / 79
p0 0.2282 ± 0.05544
pull
Entries 80
Mean −1005
Std Dev 1049

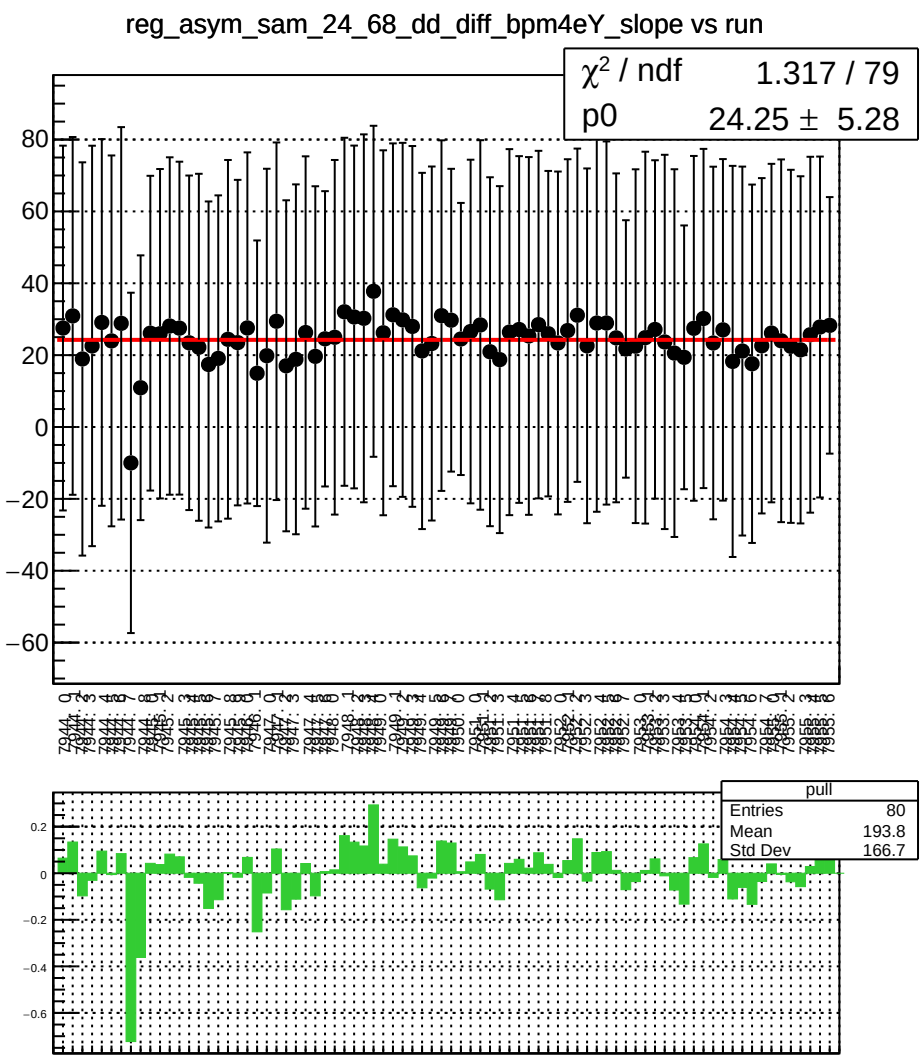

pull1D
Entries 80
Mean 0.003929
Std Dev 0.3894

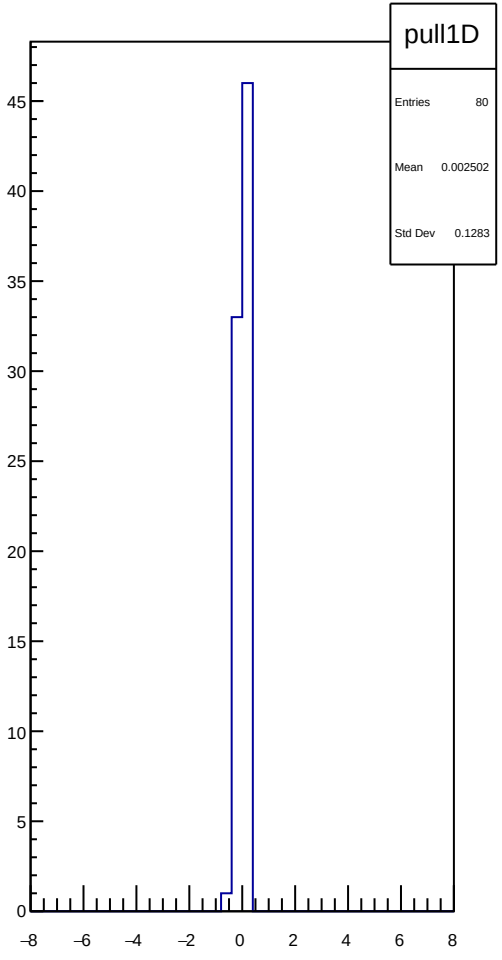

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 5.296 / 79
p0 −59.79 ± 4.449
pull
Entries 80
Mean 340.9
Std Dev 298.2

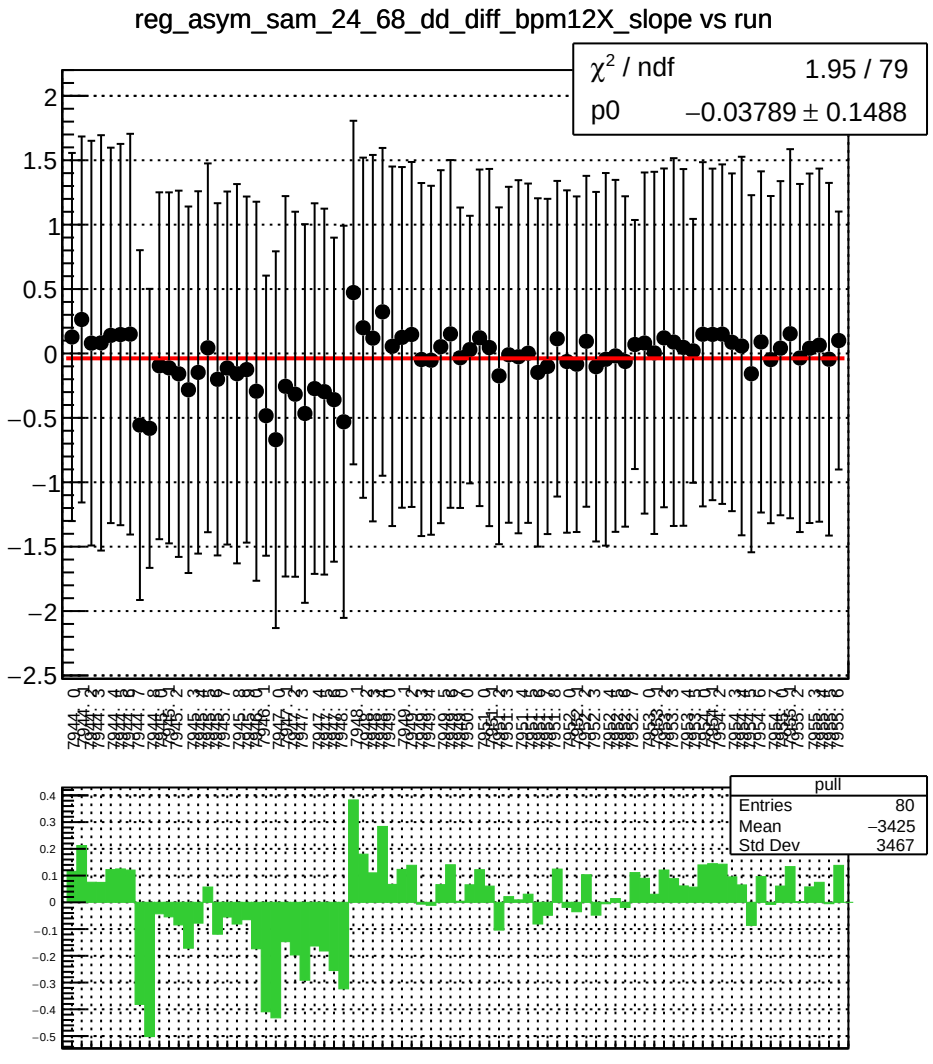

pull1D
Entries 80
Mean 0.005406
Std Dev 0.2572

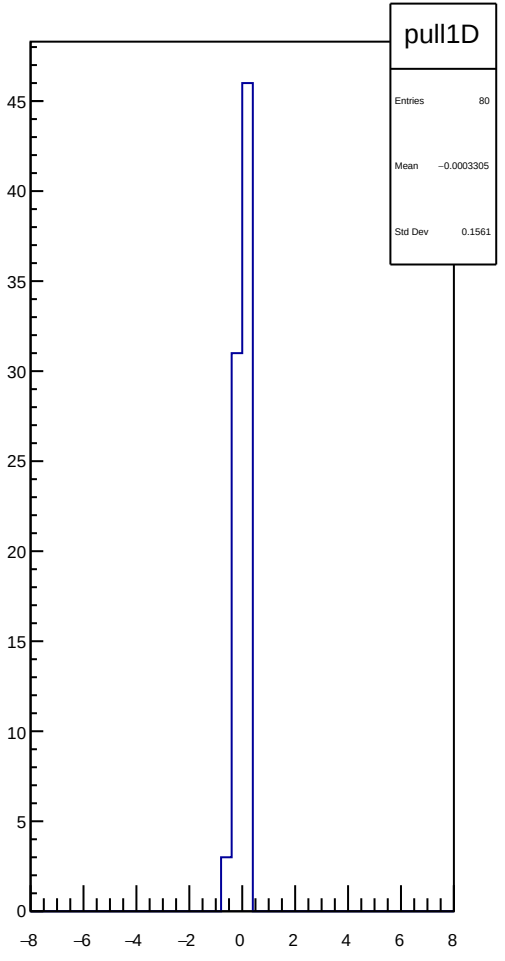

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.155 / 79
p0 −35.68 ± 4.593
pull
Entries 80
Mean 130.2
Std Dev 115.4
pull1D
Entries 80
Mean −0.002188
Std Dev 0.1201

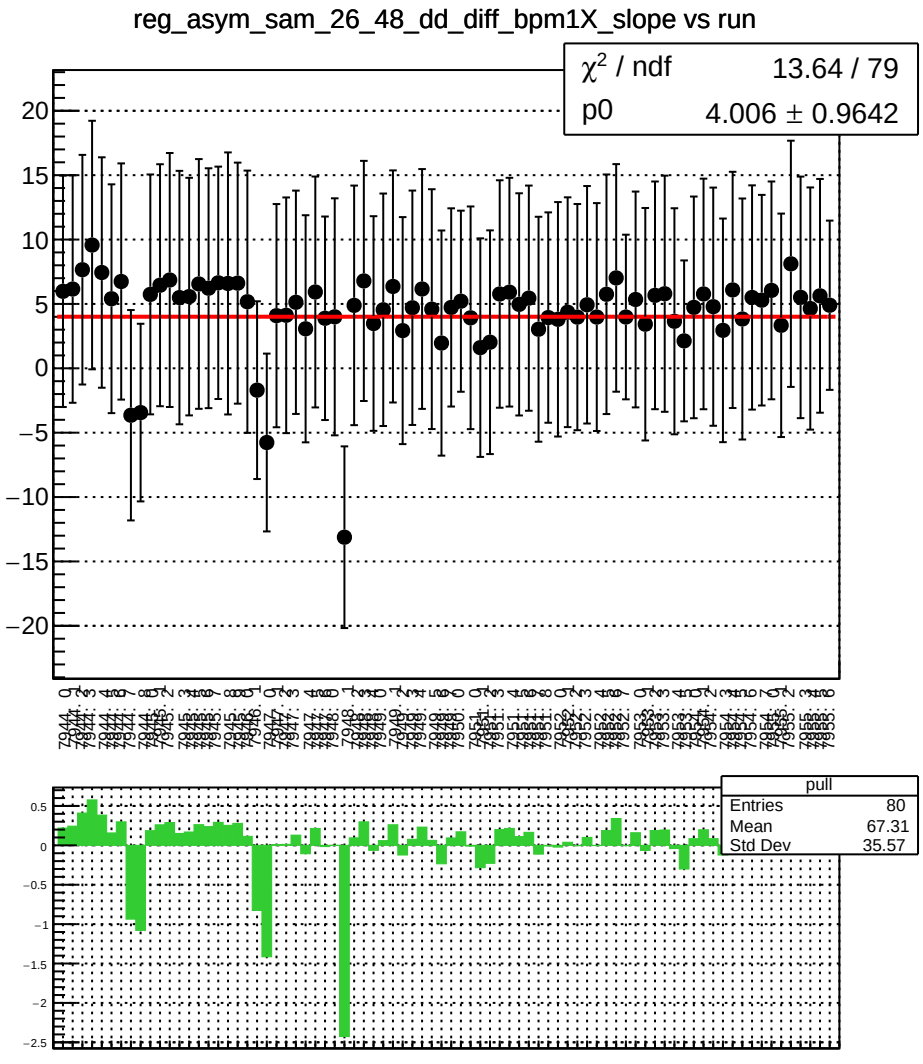

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.568 / 79
p0 −60.26 ± 3.948
pull
Entries 80
Mean 278.1
Std Dev 236.1
pull1D
Entries 80
Mean −0.005882
Std Dev 0.2638

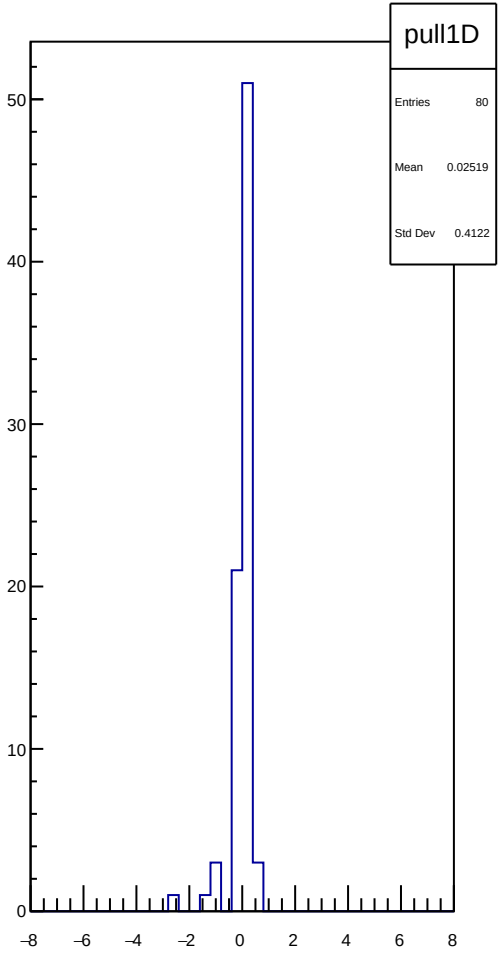

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.317 / 79
p0 24.25 ± 5.28
pull
Entries 80
Mean 193.8
Std Dev 166.7

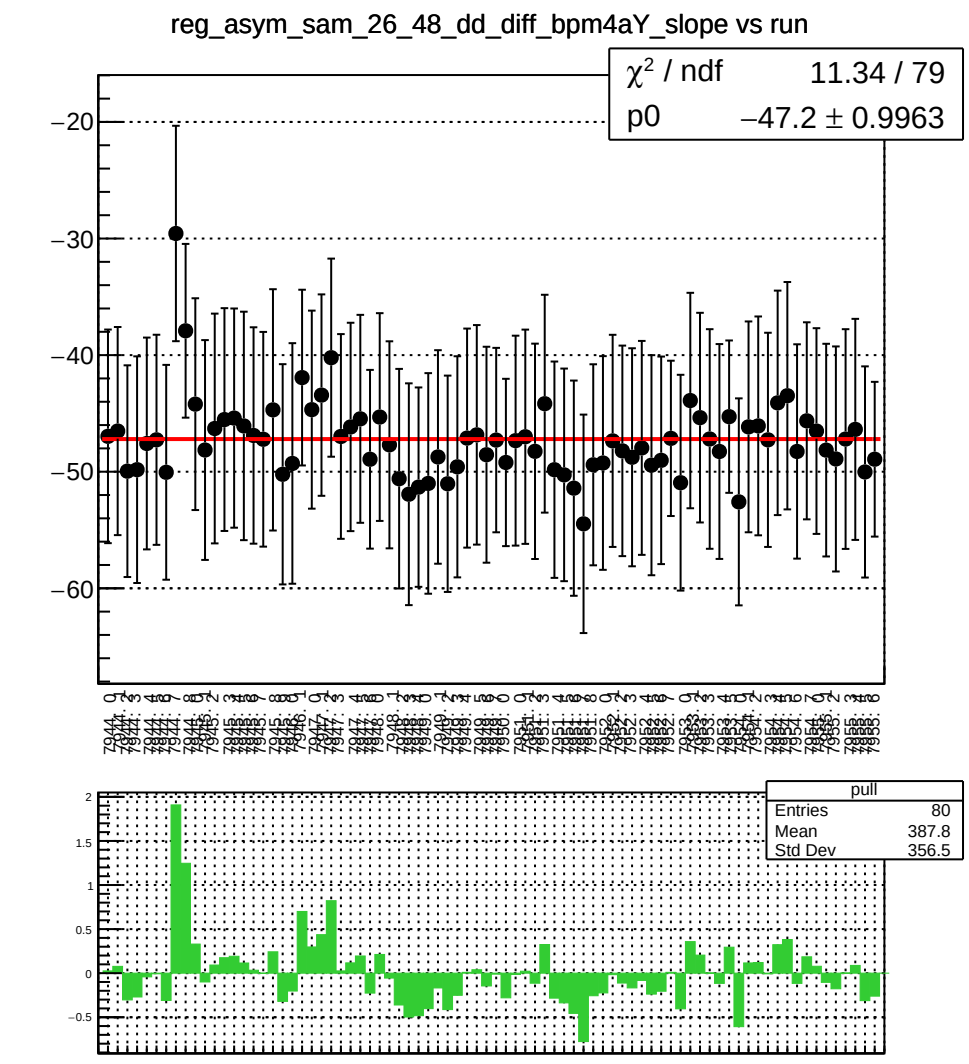

pull1D
Entries 80
Mean 0.002502
Std Dev 0.1283

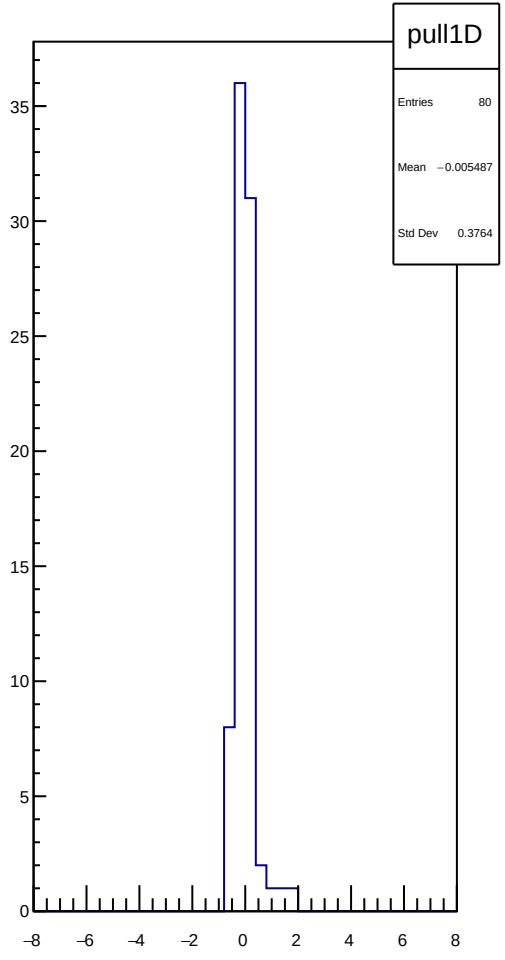

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.95 / 79
p0 −0.03789 ± 0.1488
pull
Entries 80
Mean −3425
Std Dev 3467

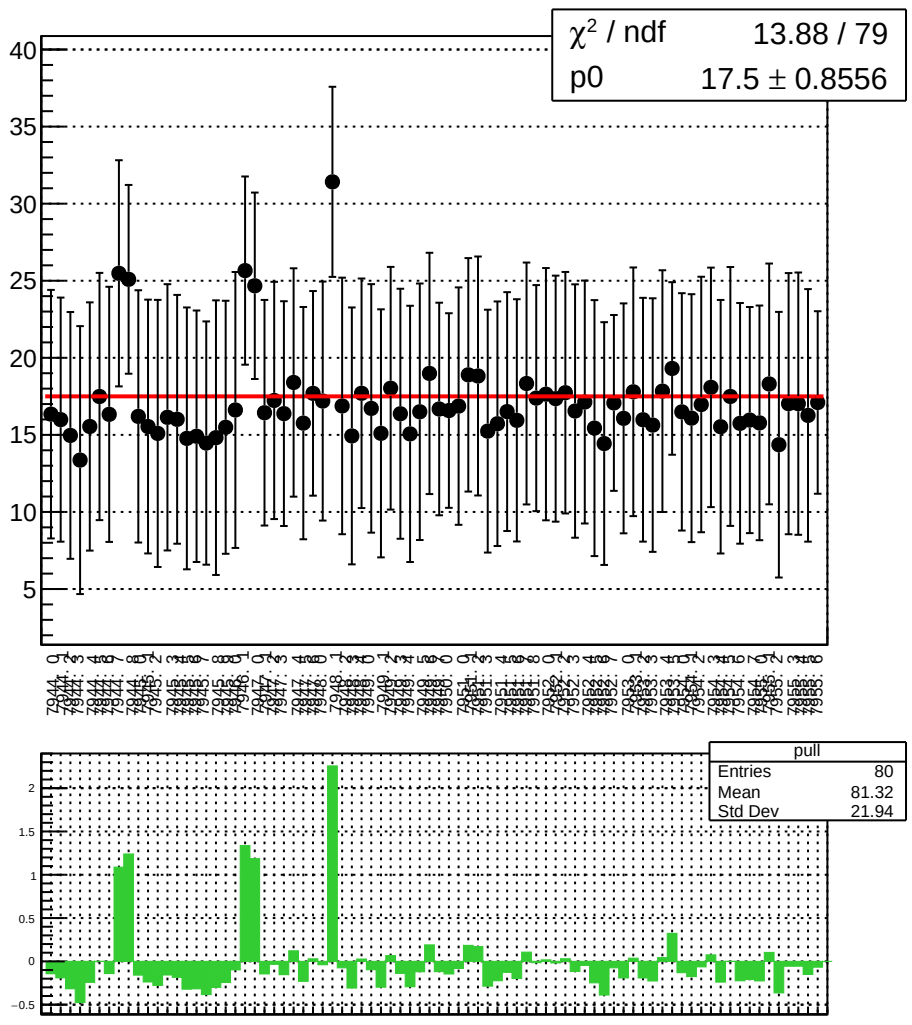

pull1D
Entries 80
Mean −0.0003305
Std Dev 0.1561

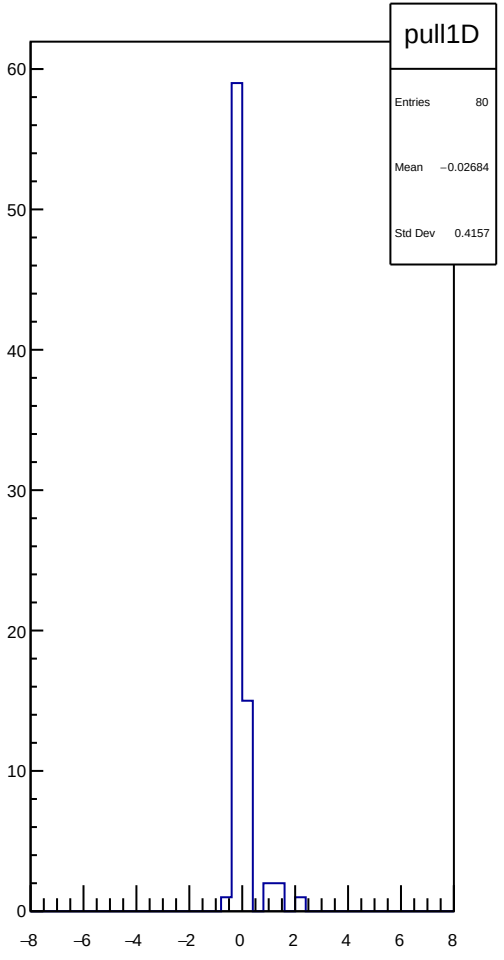

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 13.64 / 79
p0 4.006 ± 0.9642
pull
Entries 80
Mean 67.31
Std Dev 35.57

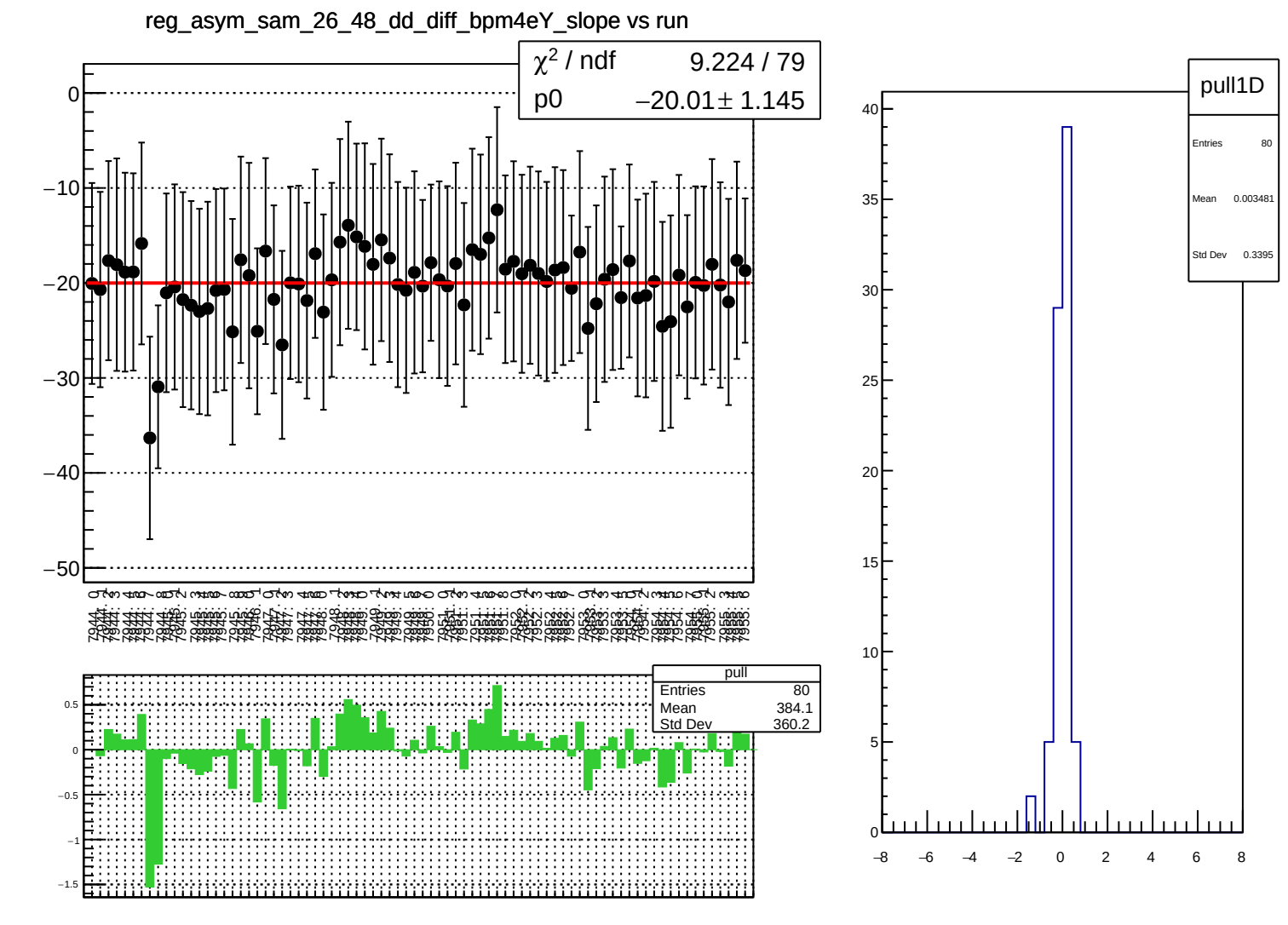

pull1D
Entries 80
Mean 0.02519
Std Dev 0.4122

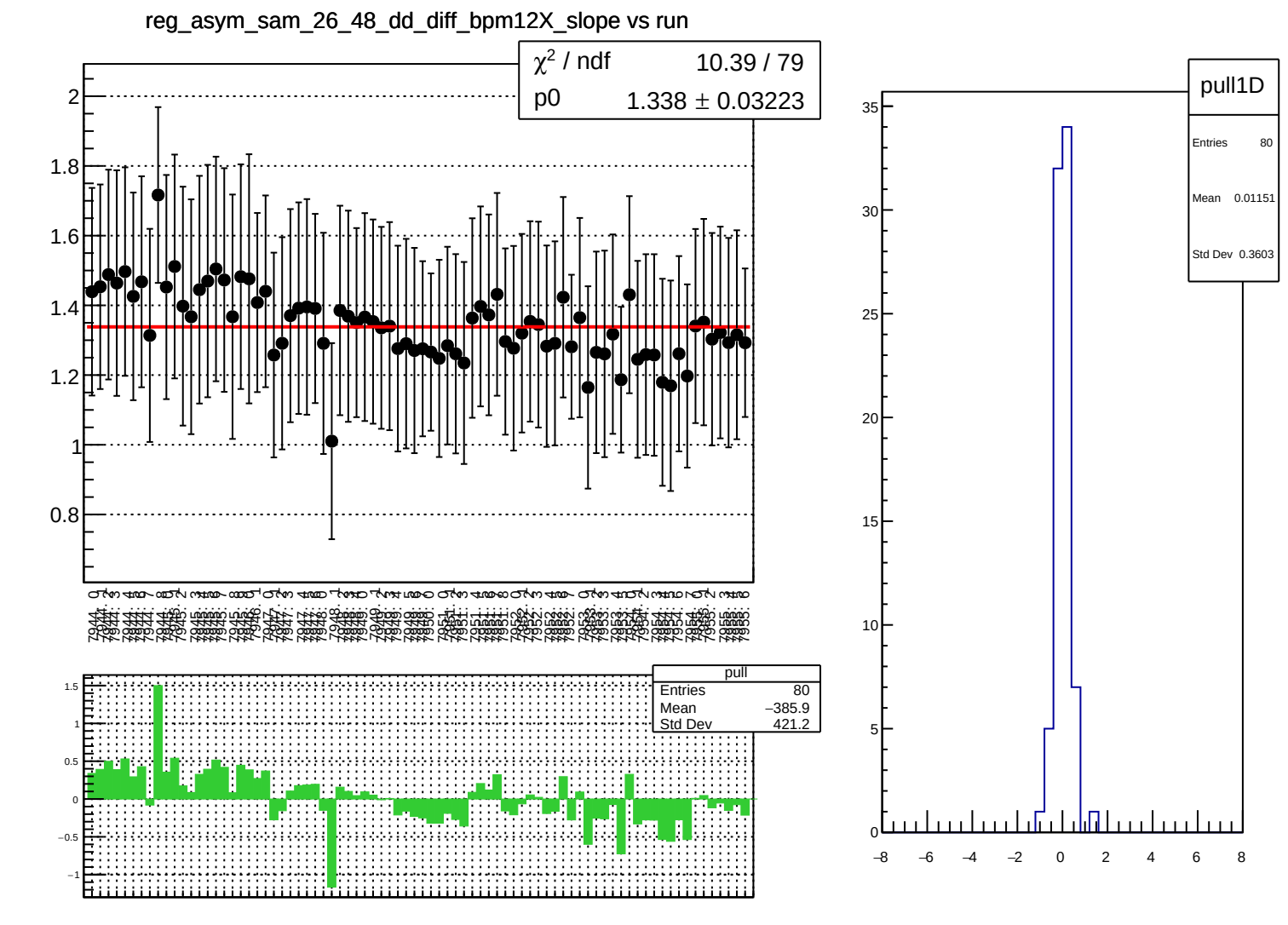

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.34 / 79
p0 −47.2 ± 0.9963
pull
Entries 80
Mean 387.8
Std Dev 356.5

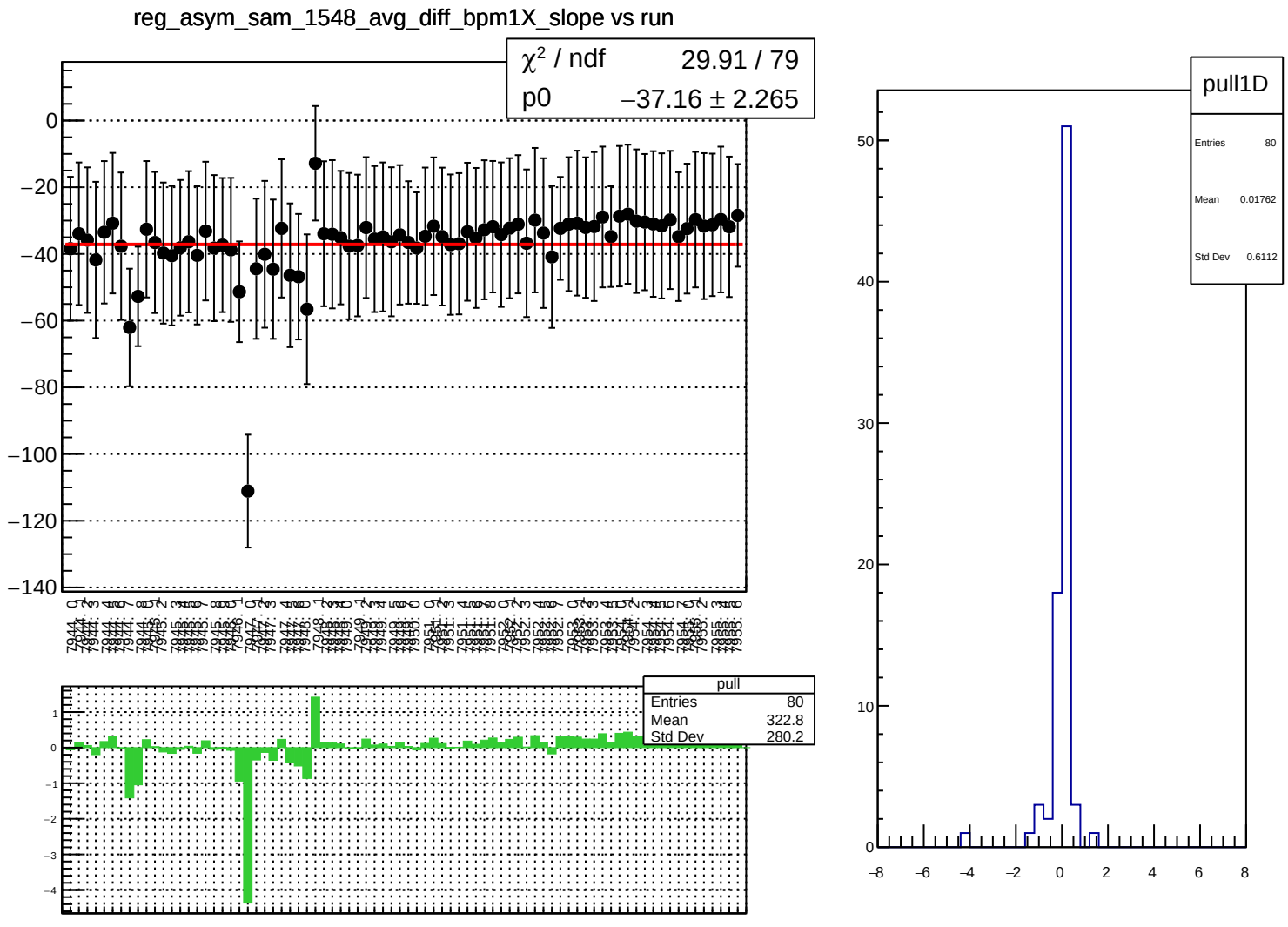

pull1D
Entries 80
Mean −0.005487
Std Dev 0.3764

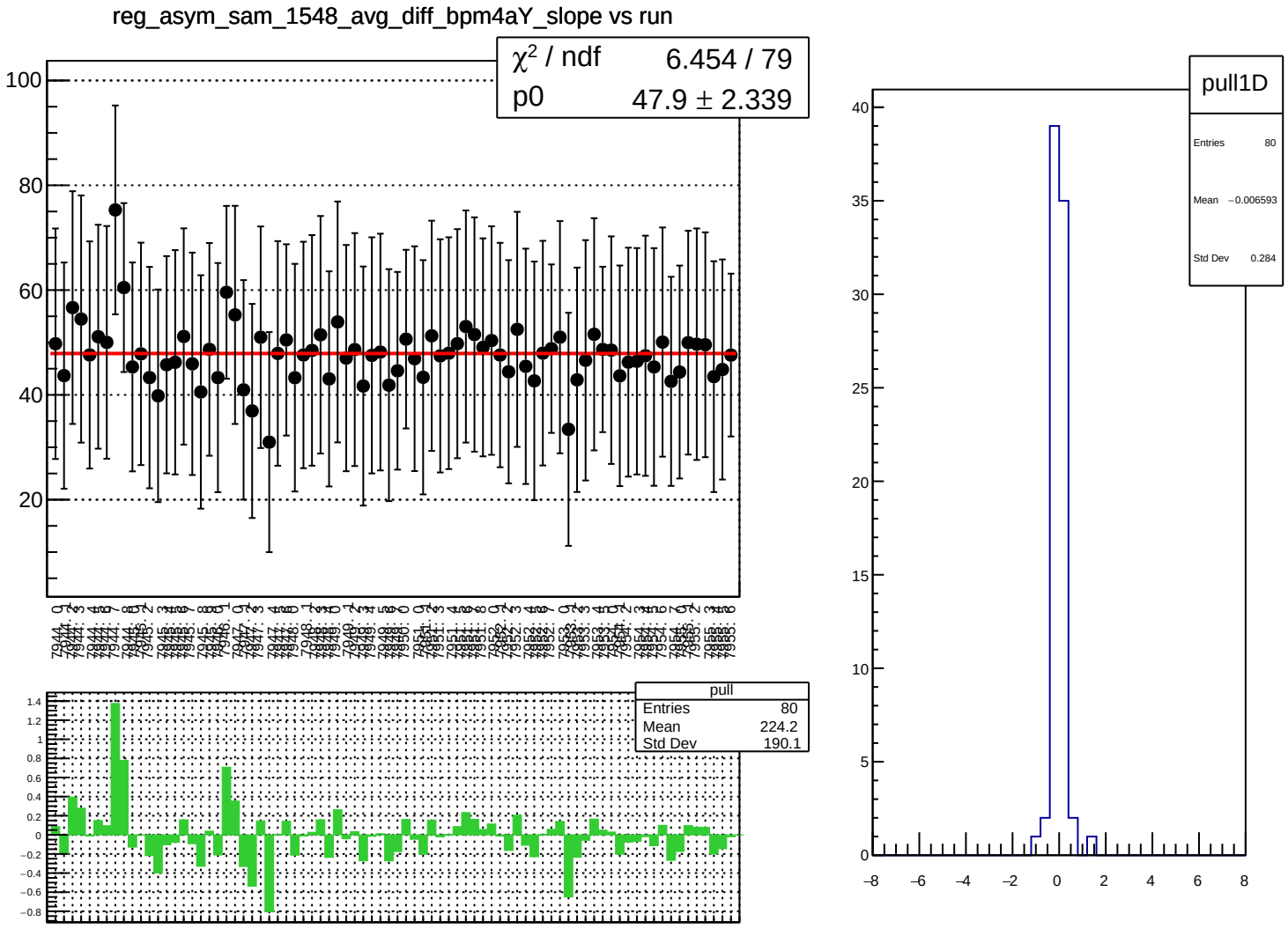

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.88 / 79
p0 17.5 ± 0.8556
pull
Entries 80
Mean 81.32
Std Dev 21.94

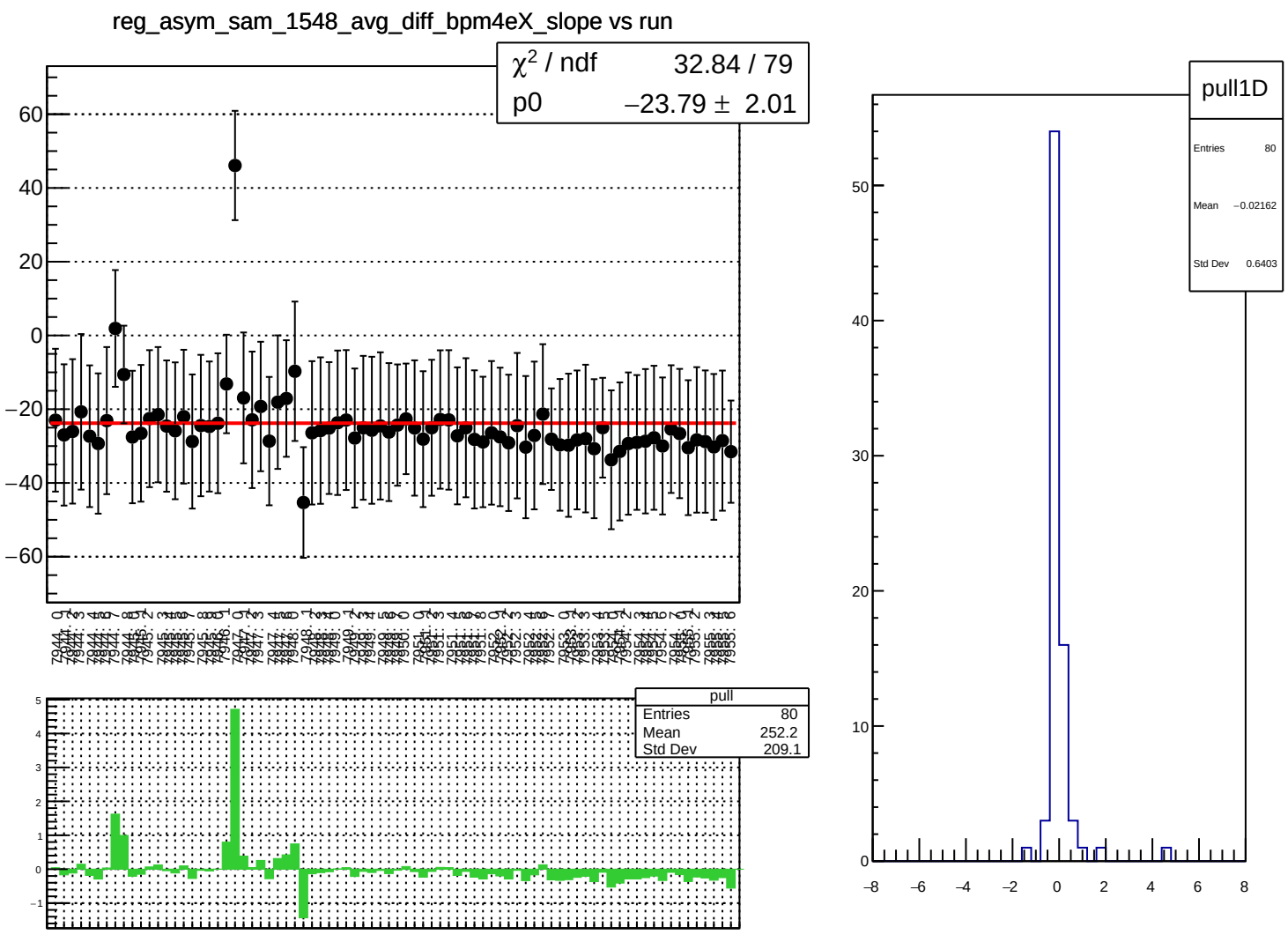

pull1D
Entries 80
Mean −0.02684
Std Dev 0.4157

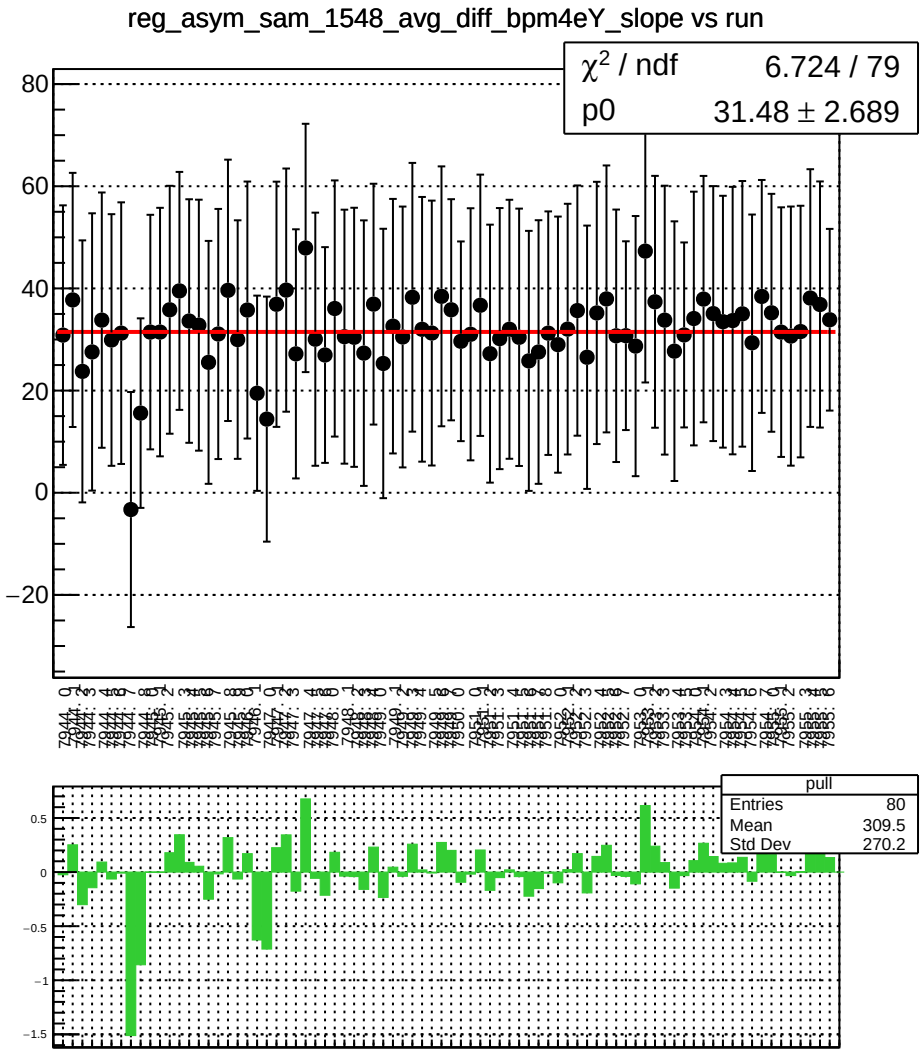

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.224 / 79
p0 −20.01 ± 1.145
pull
Entries 80
Mean 384.1
Std Dev 360.2
pull1D
Entries 80
Mean 0.003481
Std Dev 0.3395

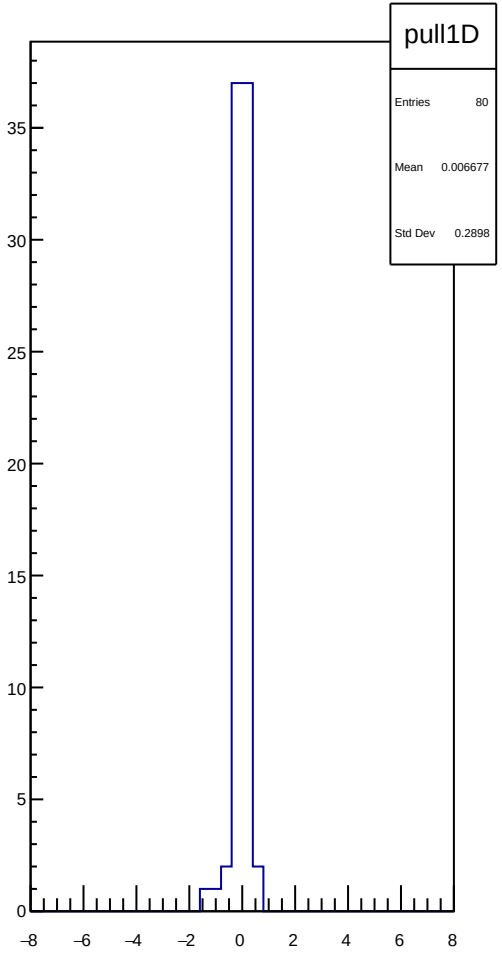

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.39 / 79
p0 1.338 ± 0.03223
pull
Entries 80
Mean −385.9
Std Dev 421.2
pull1D
Entries 80
Mean 0.01151
Std Dev 0.3603

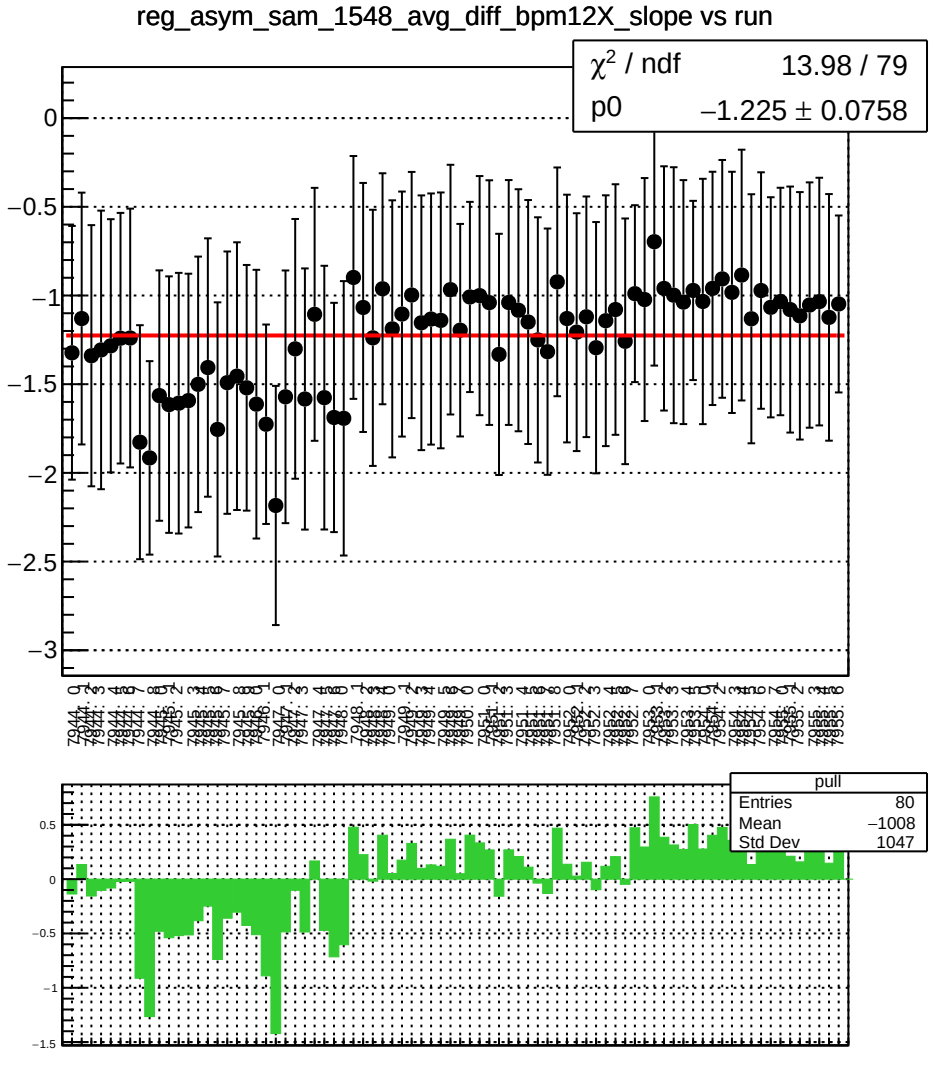

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 29.91 / 79
p0 −37.16 ± 2.265
pull
Entries 80
Mean 322.8
Std Dev 280.2
pull1D
Entries 80
Mean 0.01762
Std Dev 0.6112

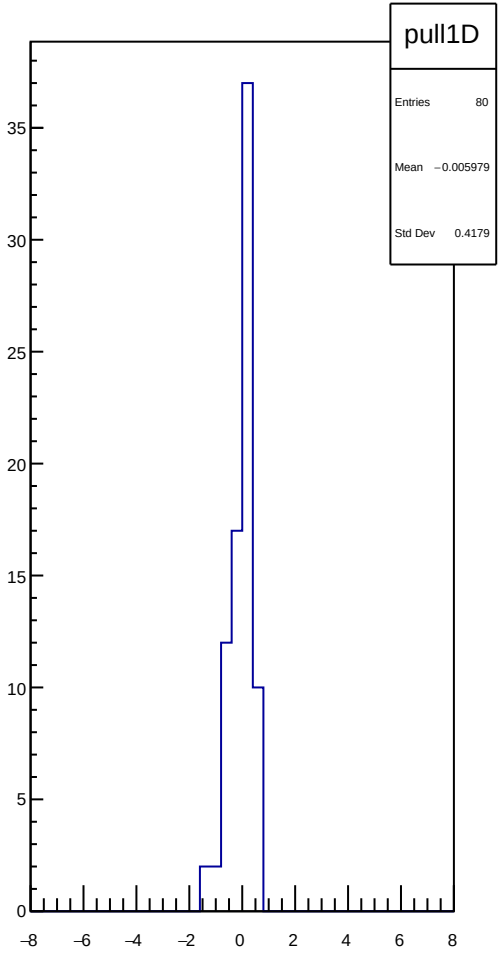

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.454 / 79
p0 47.9 ± 2.339
pull
Entries 80
Mean 224.2
Std Dev 190.1
pull1D
Entries 80
Mean −0.006593
Std Dev 0.284

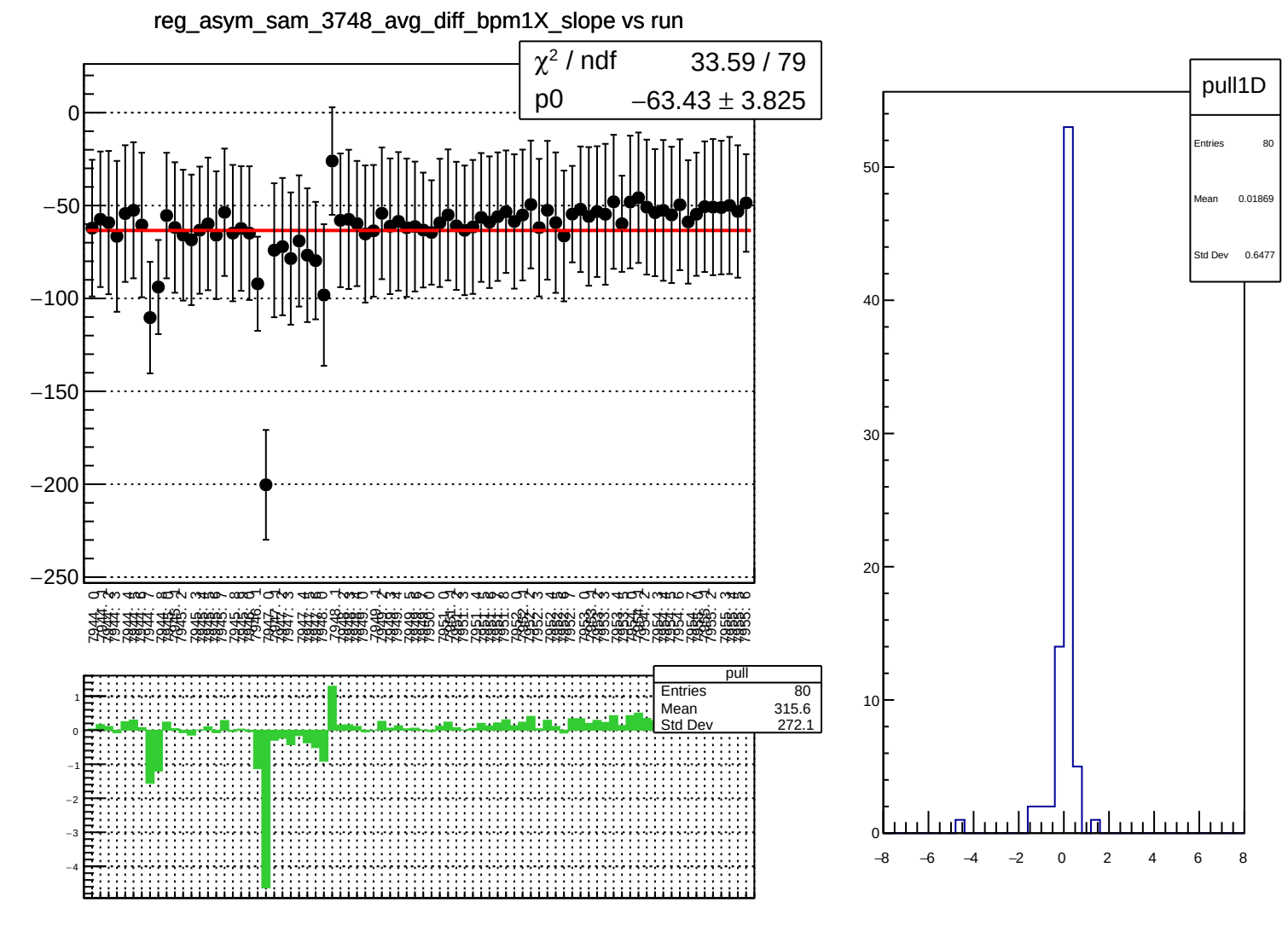

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.84 / 79
p0 −23.79 ± 2.01
pull
Entries 80
Mean 252.2
Std Dev 209.1
pull1D
Entries 80
Mean −0.02162
Std Dev 0.6403

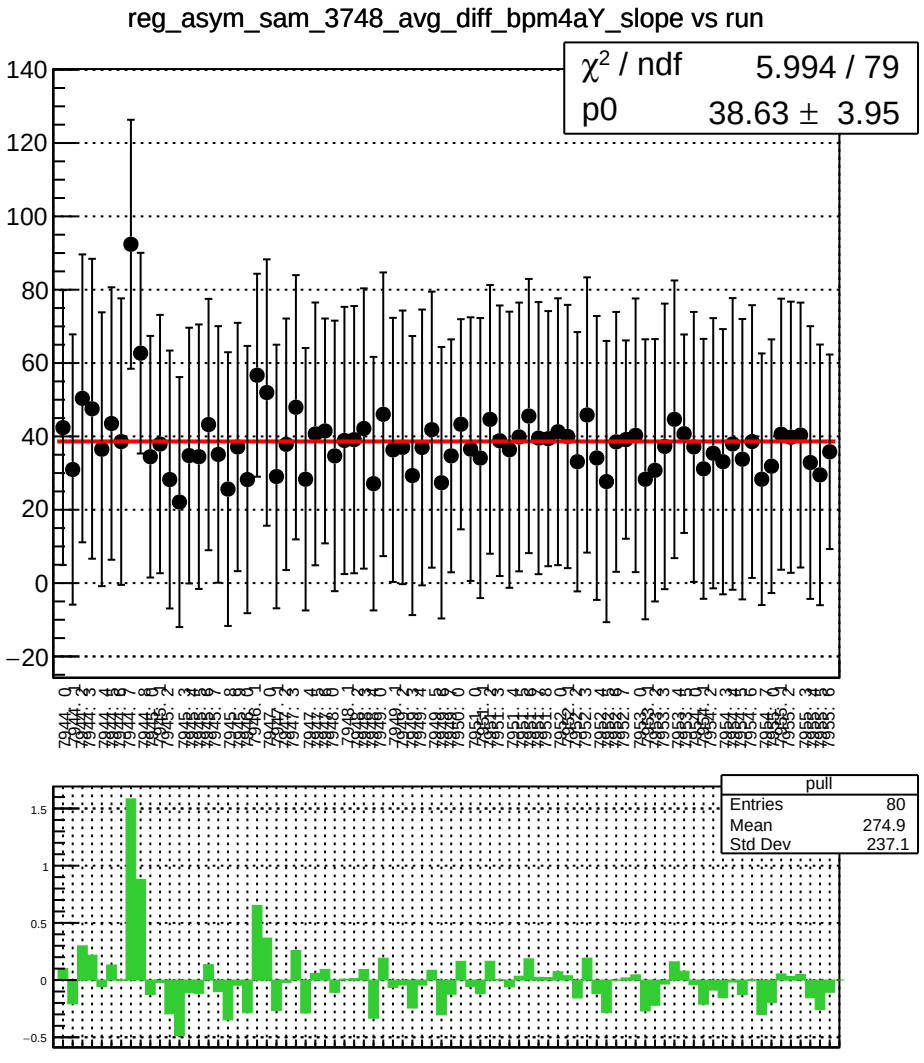

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.724 / 79
p0 31.48 ± 2.689
pull
Entries 80
Mean 309.5
Std Dev 270.2

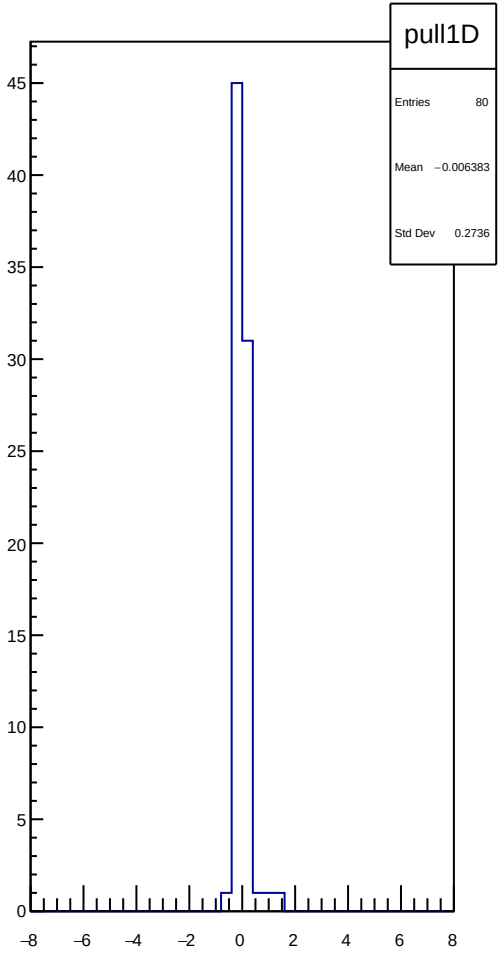

pull1D
Entries 80
Mean 0.006677
Std Dev 0.2898

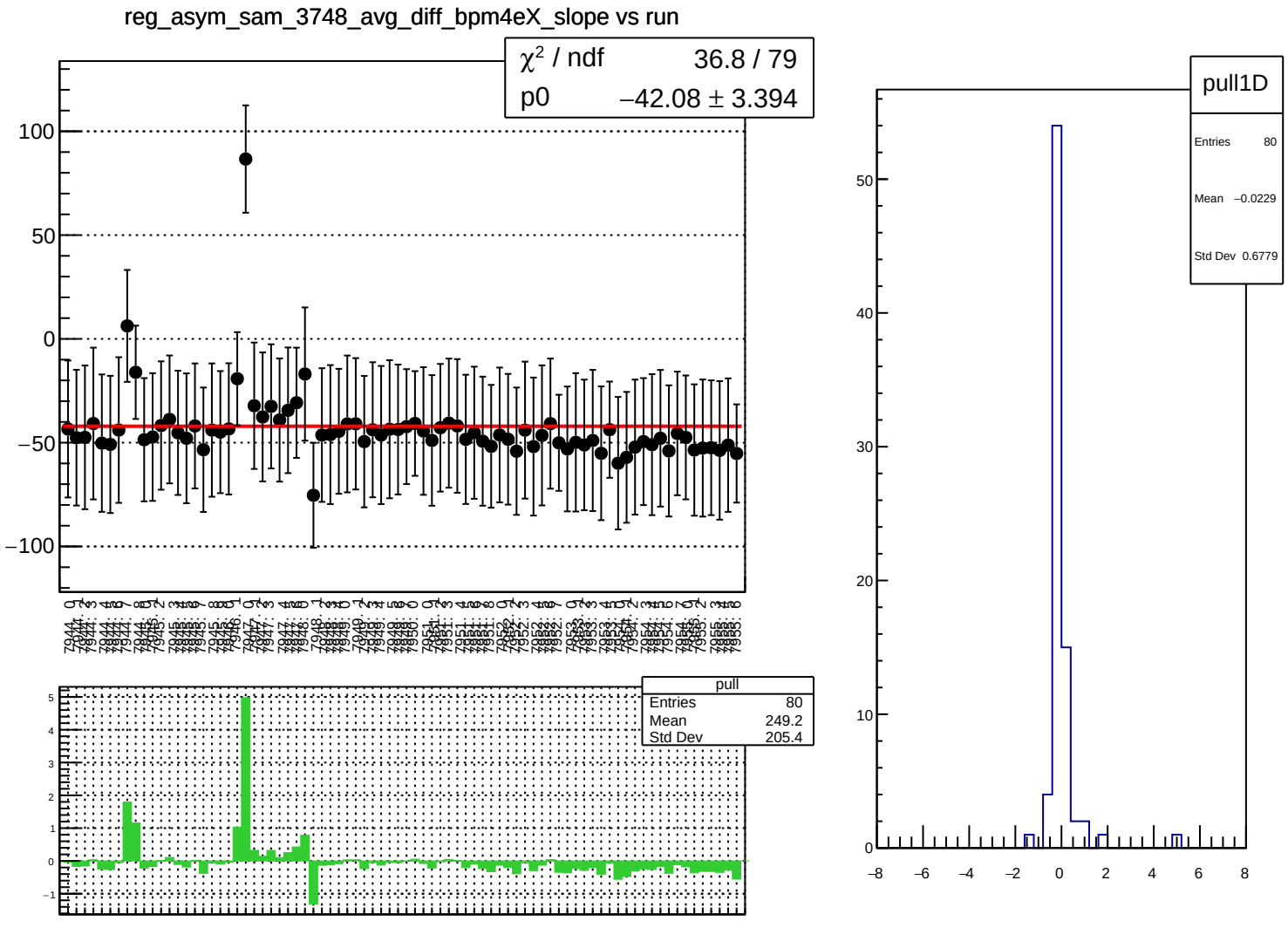

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 13.98 / 79
p0 −1.225 ± 0.0758
pull
Entries 80
Mean −1008
Std Dev 1047

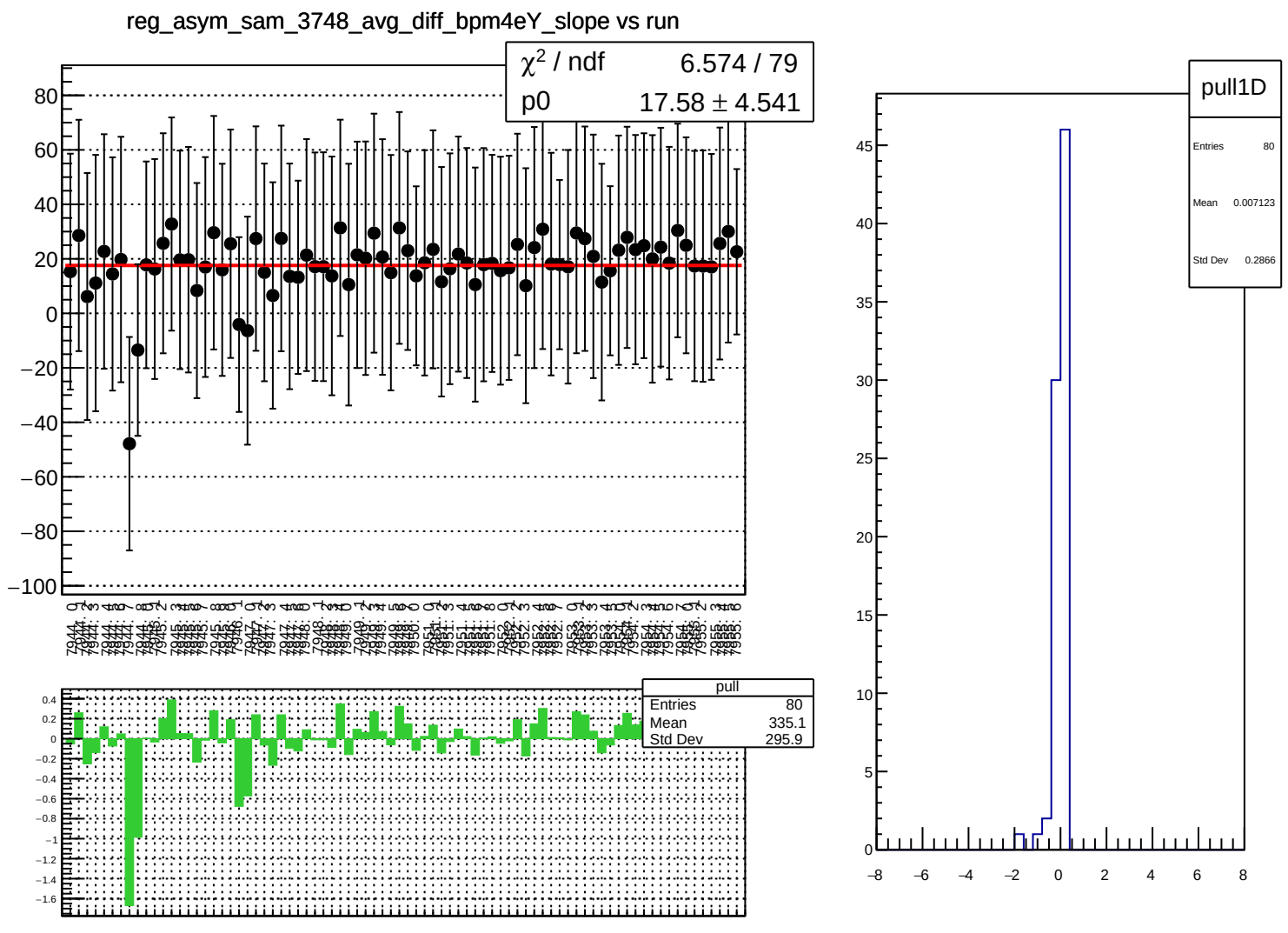

pull1D
Entries 80
Mean −0.005979
Std Dev 0.4179

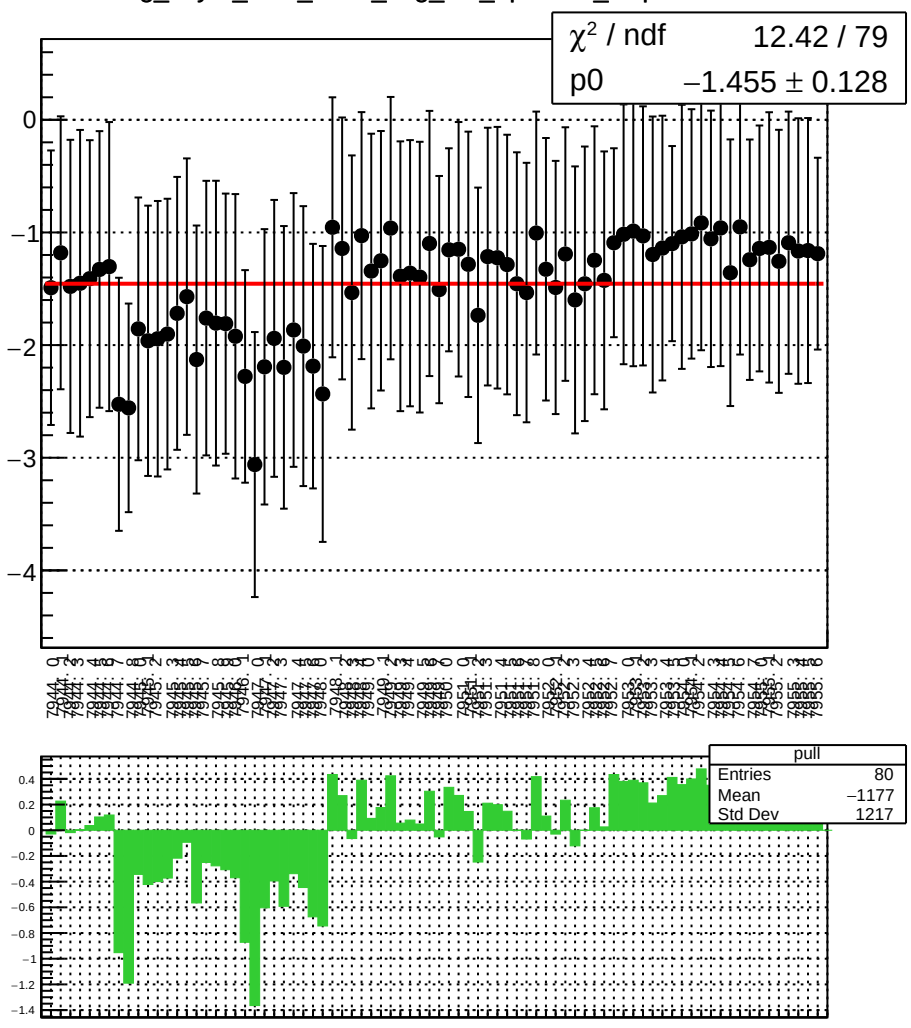

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 33.59 / 79
p0 −63.43 ± 3.825
pull
Entries 80
Mean 315.6
Std Dev 272.1
pull1D
Entries 80
Mean 0.01869
Std Dev 0.6477

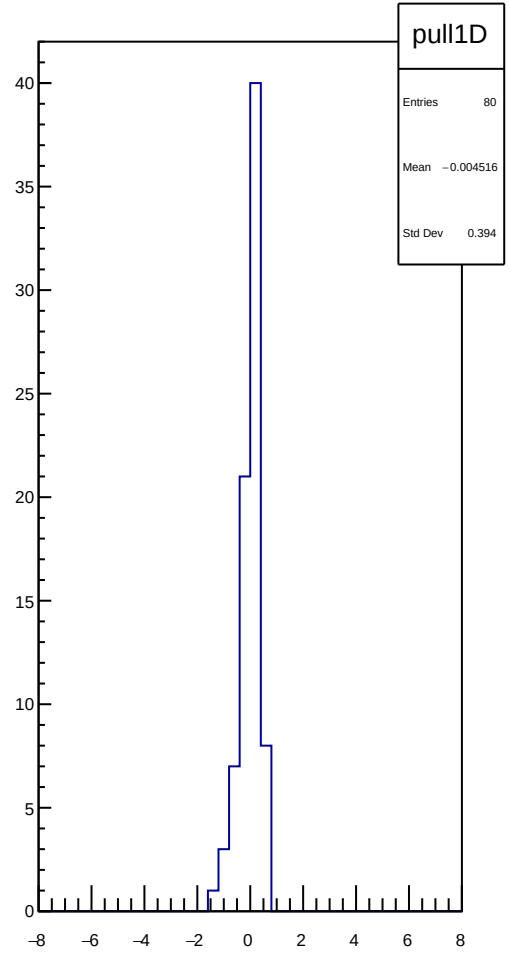

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.994 / 79
p0 38.63 ± 3.95
pull
Entries 80
Mean 274.9
Std Dev 237.1

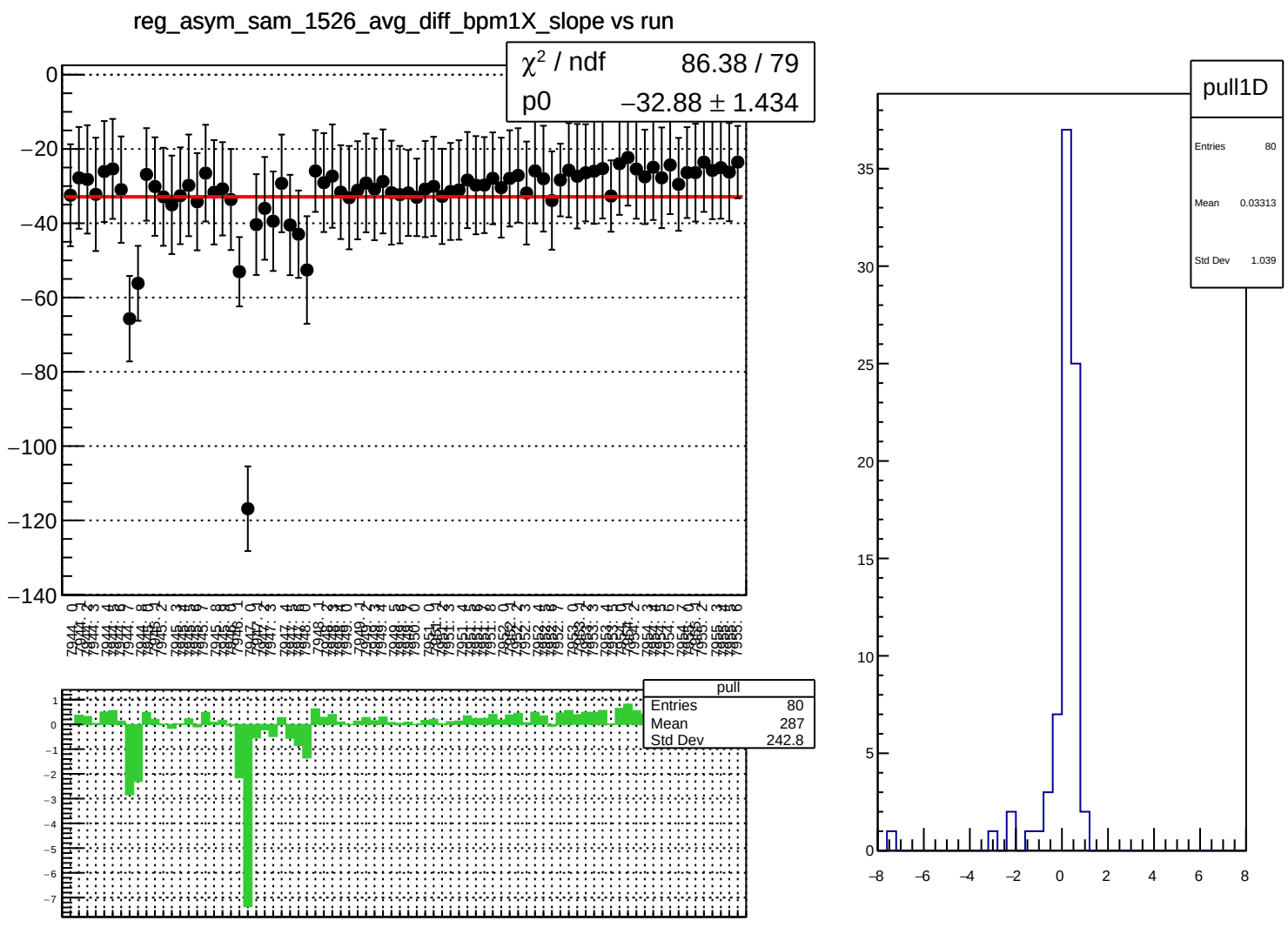

pull1D
Entries 80
Mean −0.006383
Std Dev 0.2736

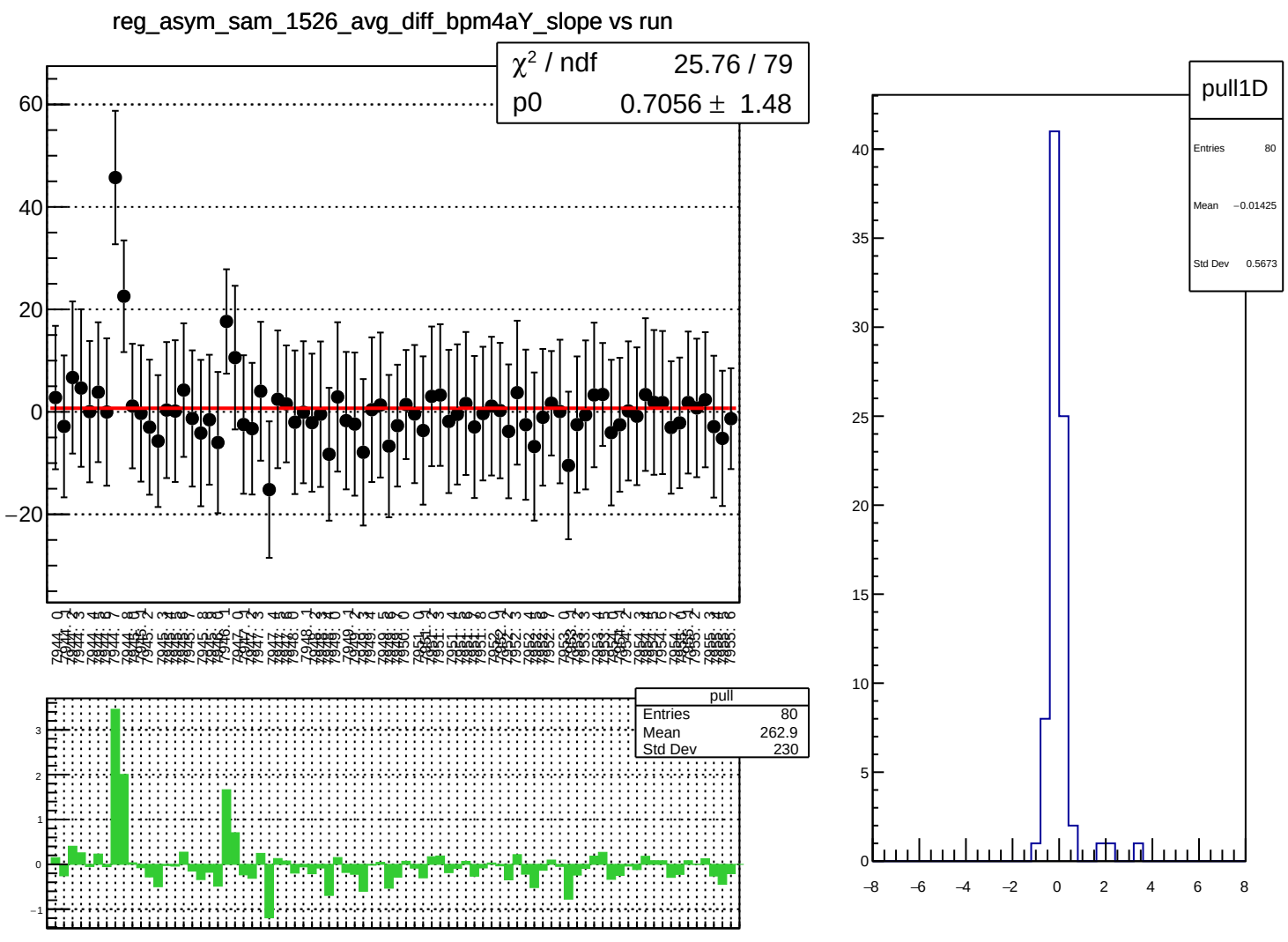

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.8 / 79
p0 −42.08 ± 3.394
100
50
0
−50
−100
pull
Entries 80
Mean 249.2
Std Dev 205.4
pull1D
Entries 80
Mean −0.0229
Std Dev 0.6779
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

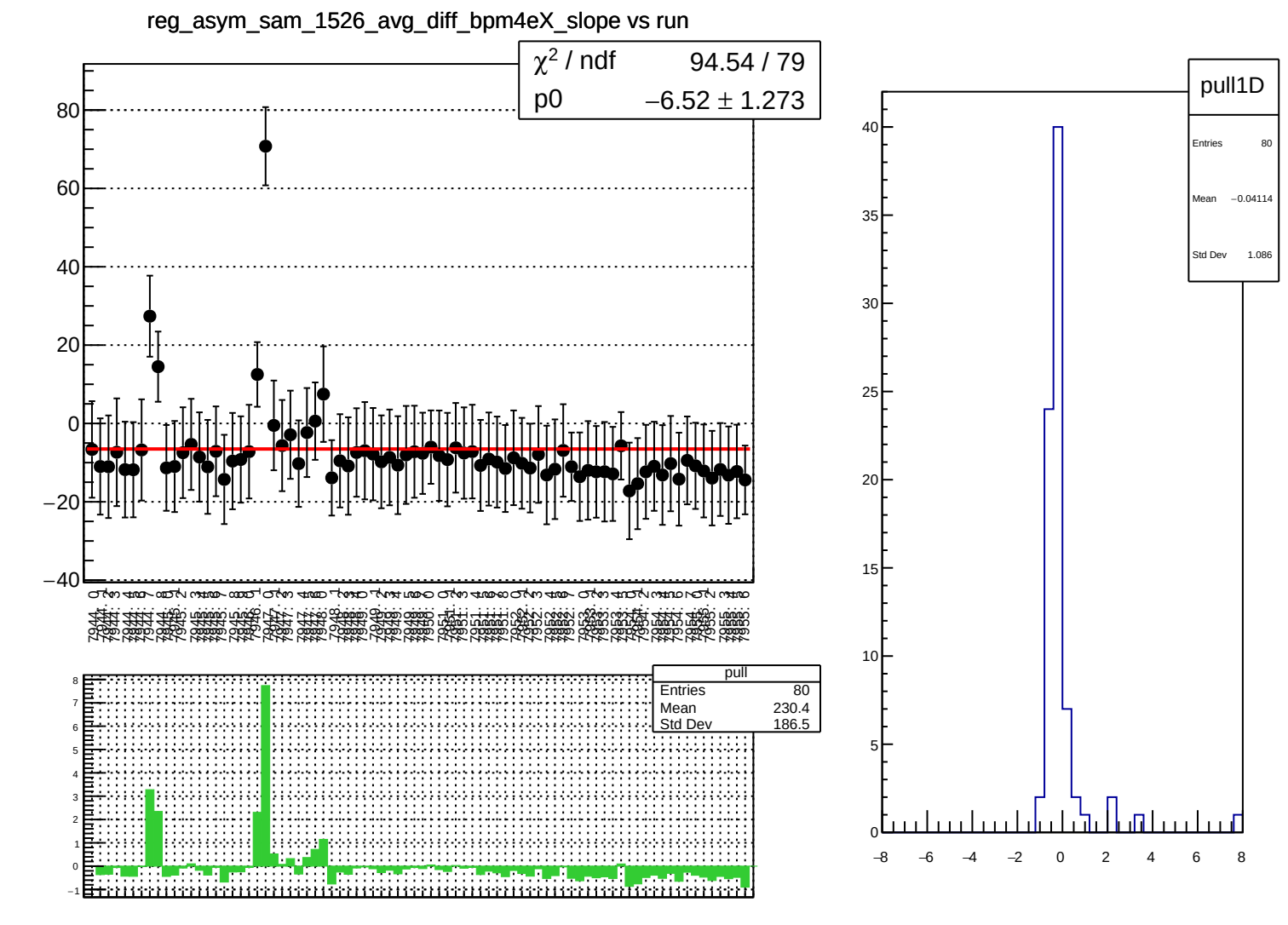

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.574 / 79
p0 17.58 ± 4.541
pull
Entries 80
Mean 335.1
Std Dev 295.9
pull1D
Entries 80
Mean 0.007123
Std Dev 0.2866

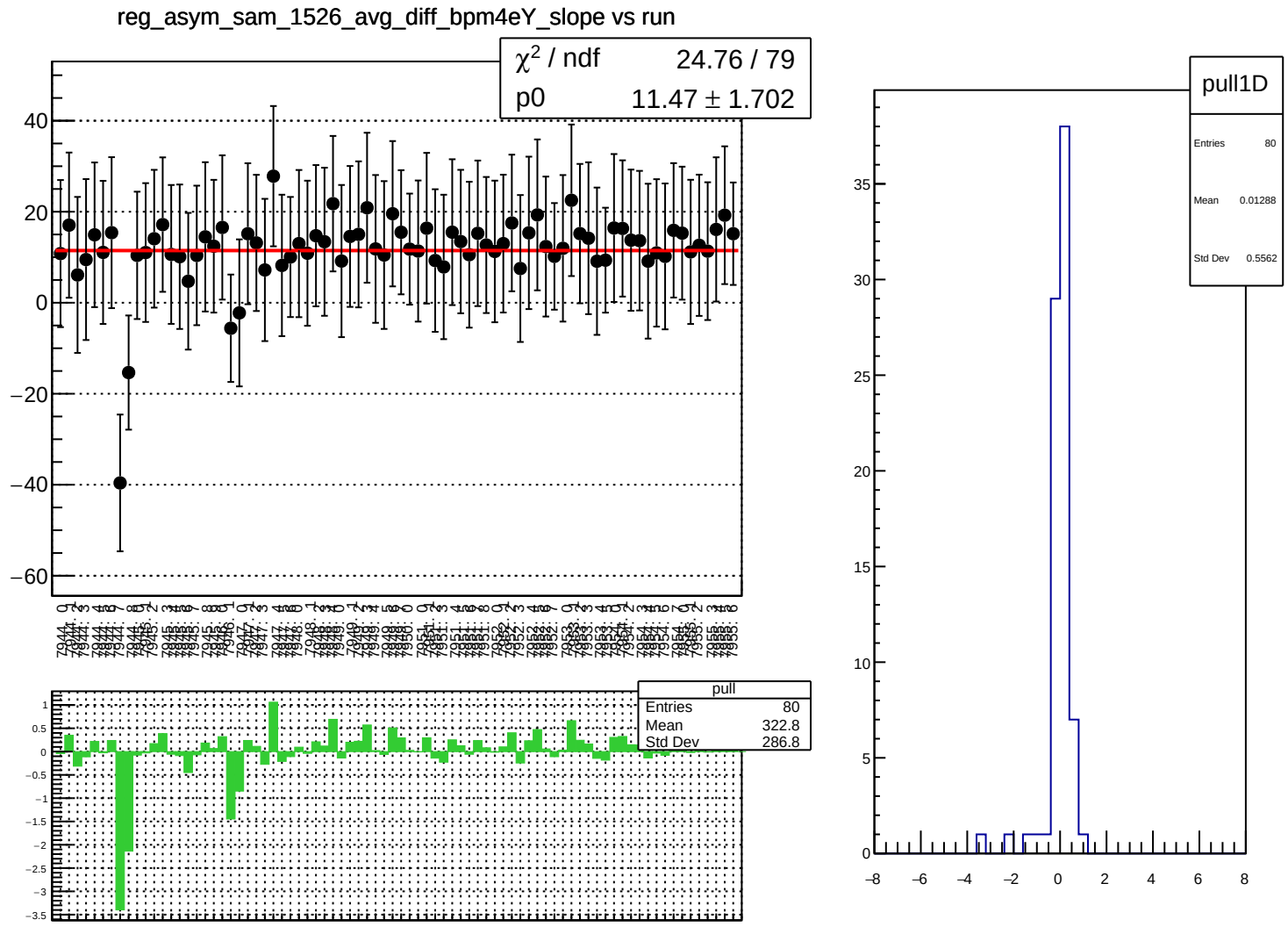

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 12.42 / 79
p0 −1.455 ± 0.128
pull
Entries 80
Mean −1177
Std Dev 1217

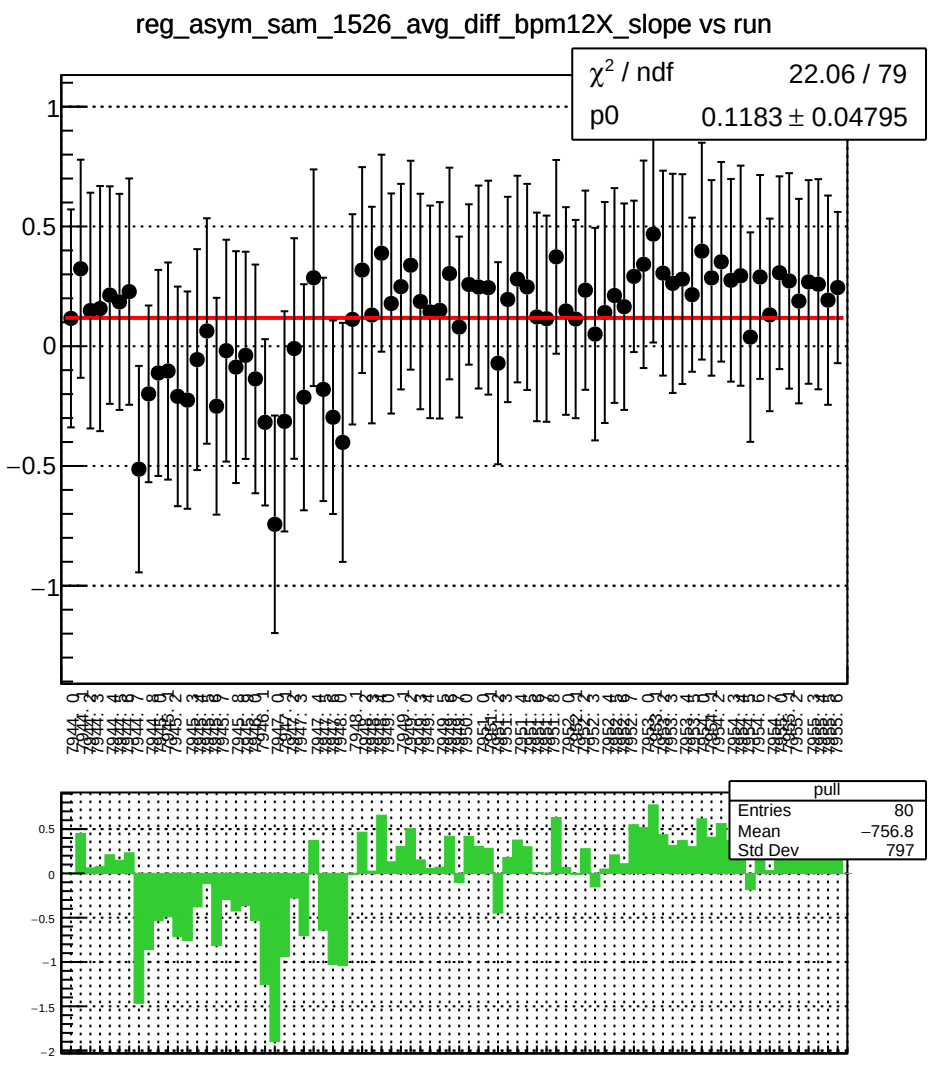

pull1D
Entries 80
Mean −0.004516
Std Dev 0.394

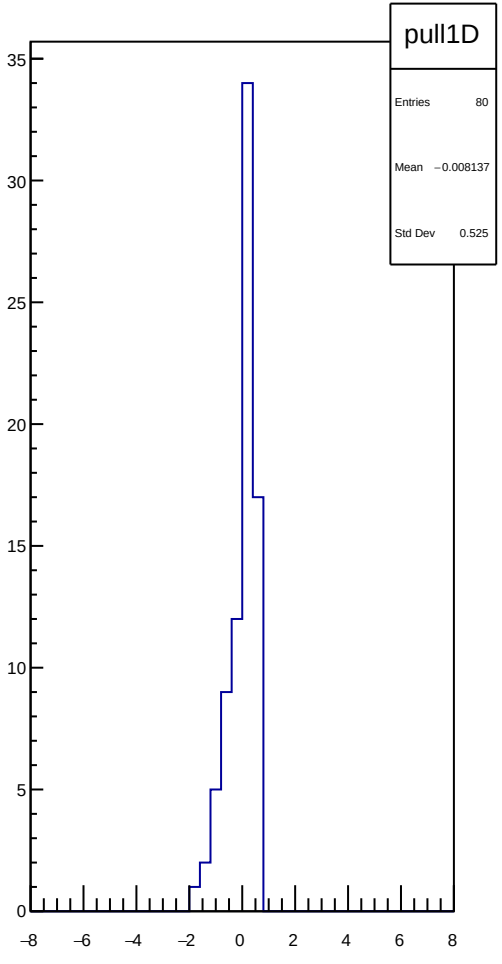

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 86.38 / 79
p0 −32.88 ± 1.434
pull
Entries 80
Mean 287
Std Dev 242.8
pull1D
Entries 80
Mean 0.03313
Std Dev 1.039

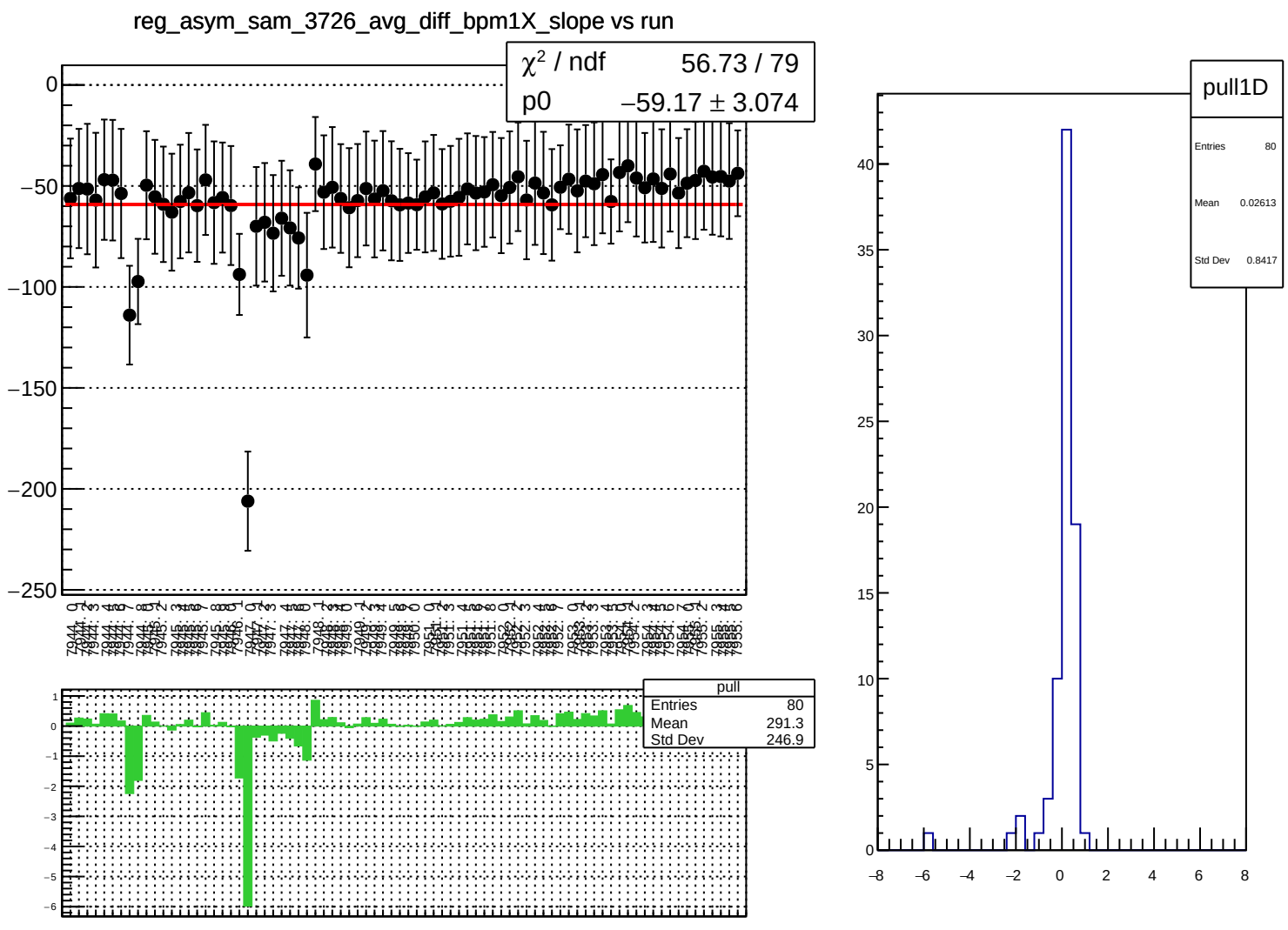

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.76 / 79
p0 0.7056 ± 1.48
pull
Entries 80
Mean 262.9
Std Dev 230
pull1D
Entries 80
Mean −0.01425
Std Dev 0.5673

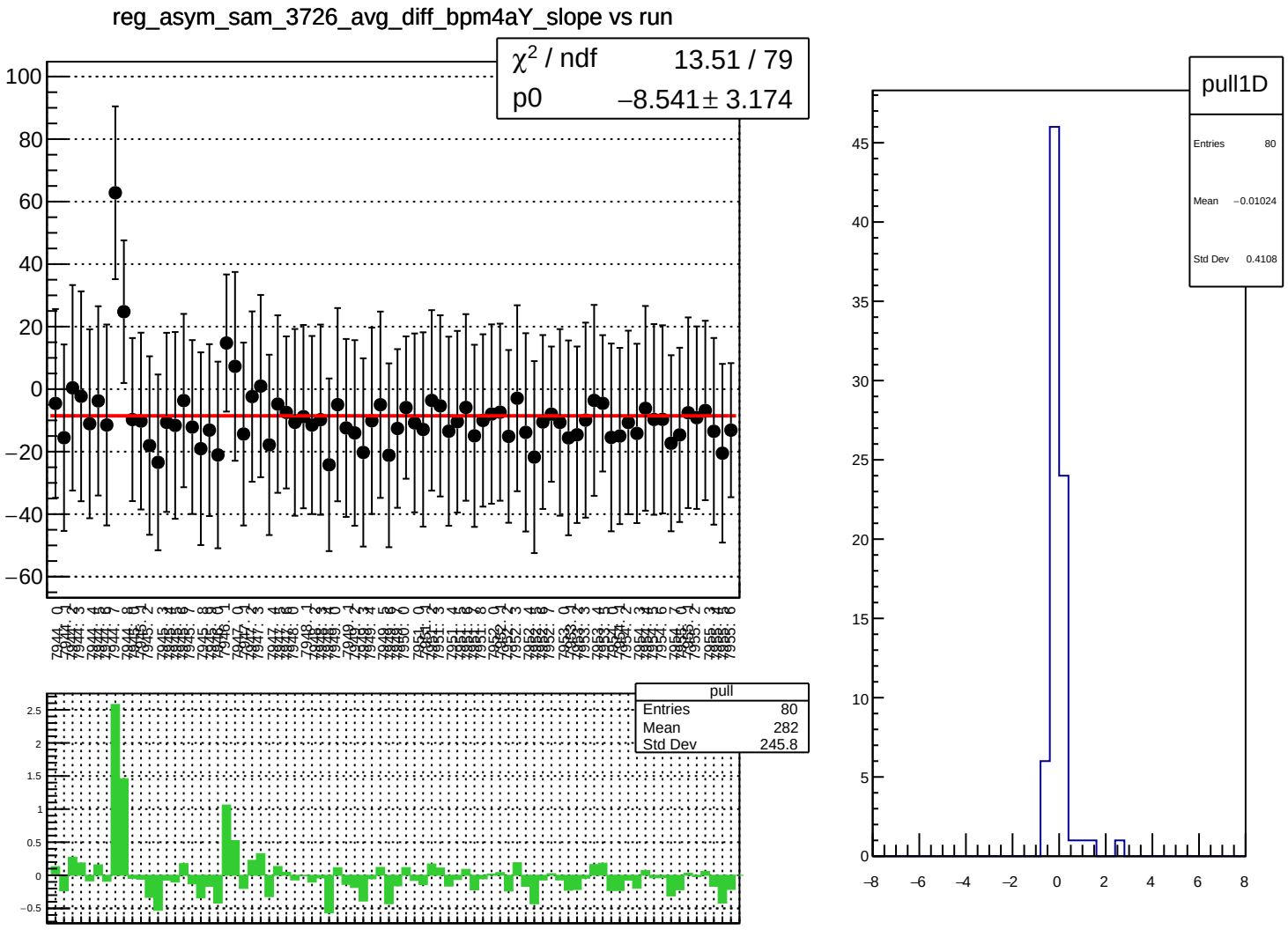

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.54 / 79
p0 −6.52 ± 1.273
pull
Entries 80
Mean 230.4
Std Dev 186.5
pull1D
Entries 80
Mean −0.04114
Std Dev 1.086

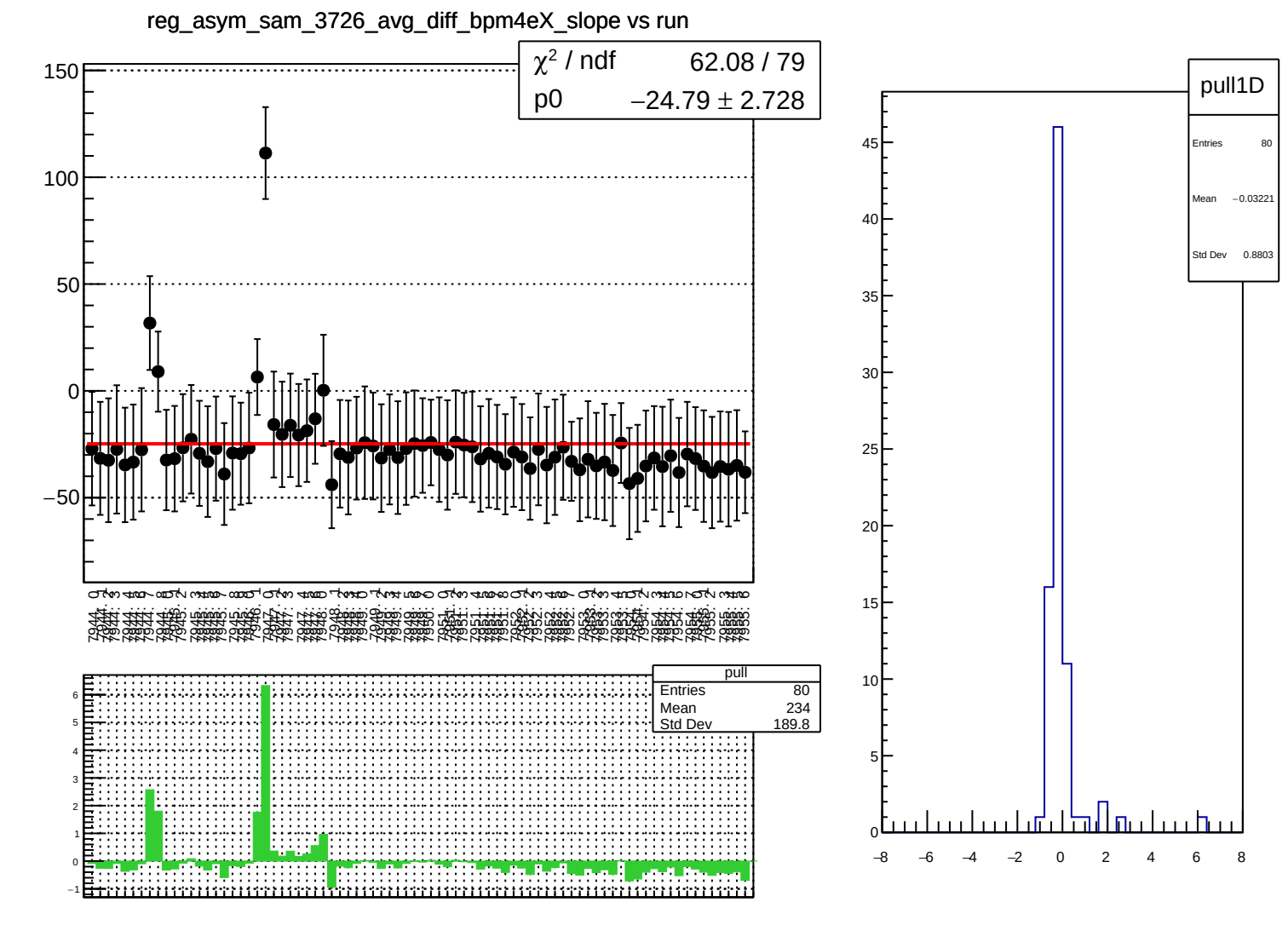

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.76 / 79
p0 11.47 ± 1.702
pull
Entries 80
Mean 322.8
Std Dev 286.8
pull1D
Entries 80
Mean 0.01288
Std Dev 0.5562

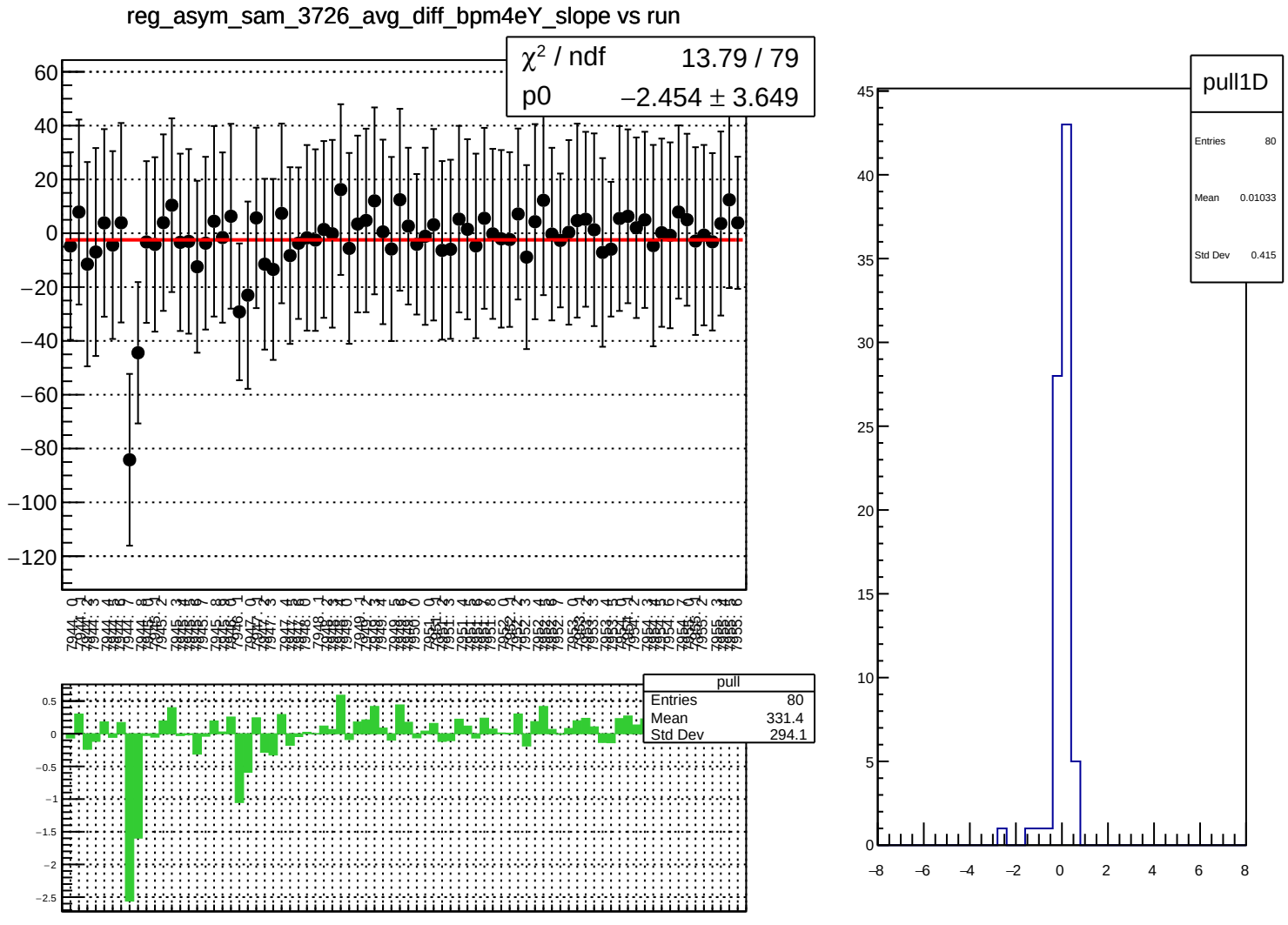

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 22.06 / 79
p0 0.1183 ± 0.04795
pull
Entries 80
Mean −756.8
Std Dev 797

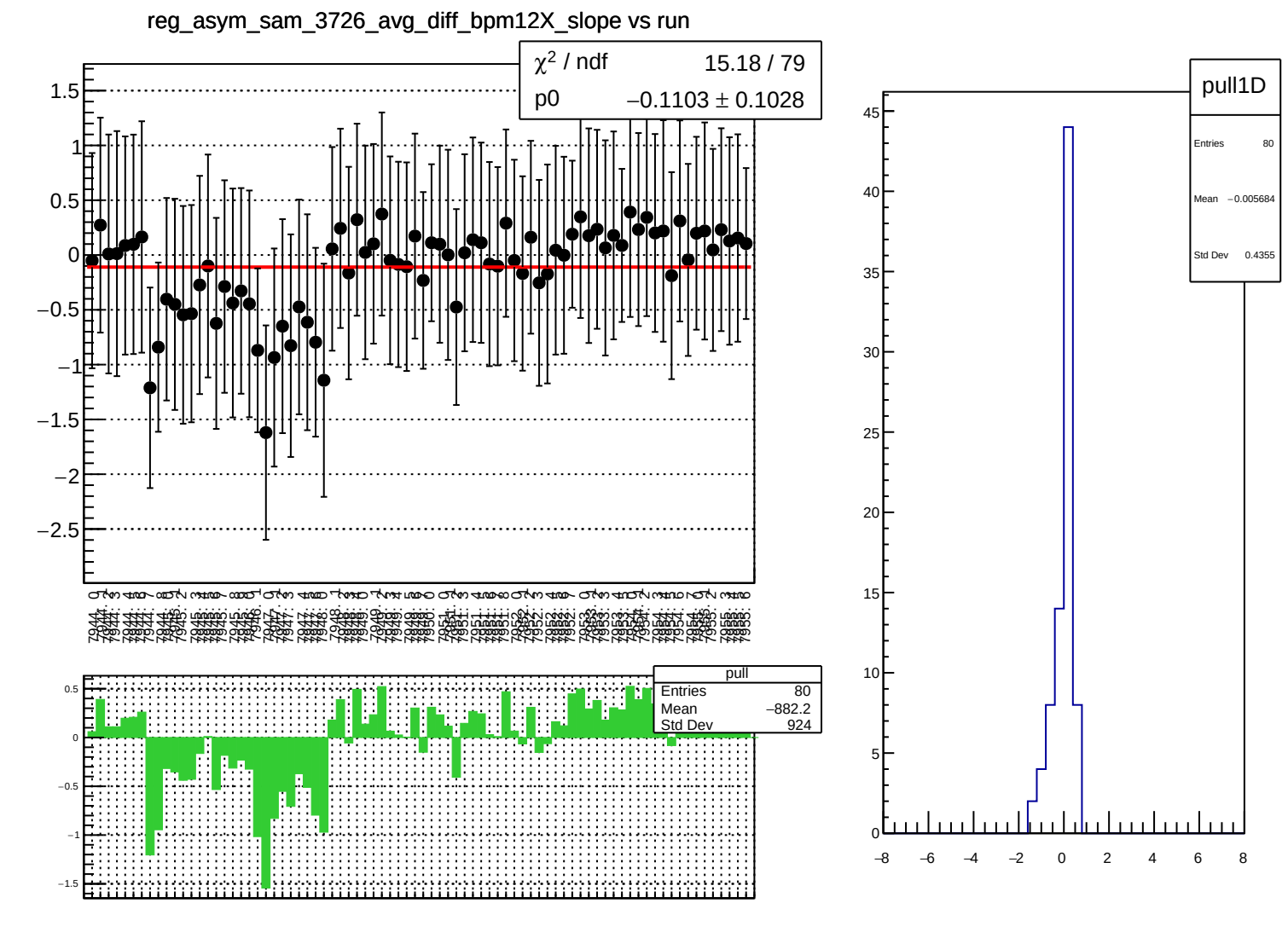

pull1D
Entries 80
Mean −0.008137
Std Dev 0.525

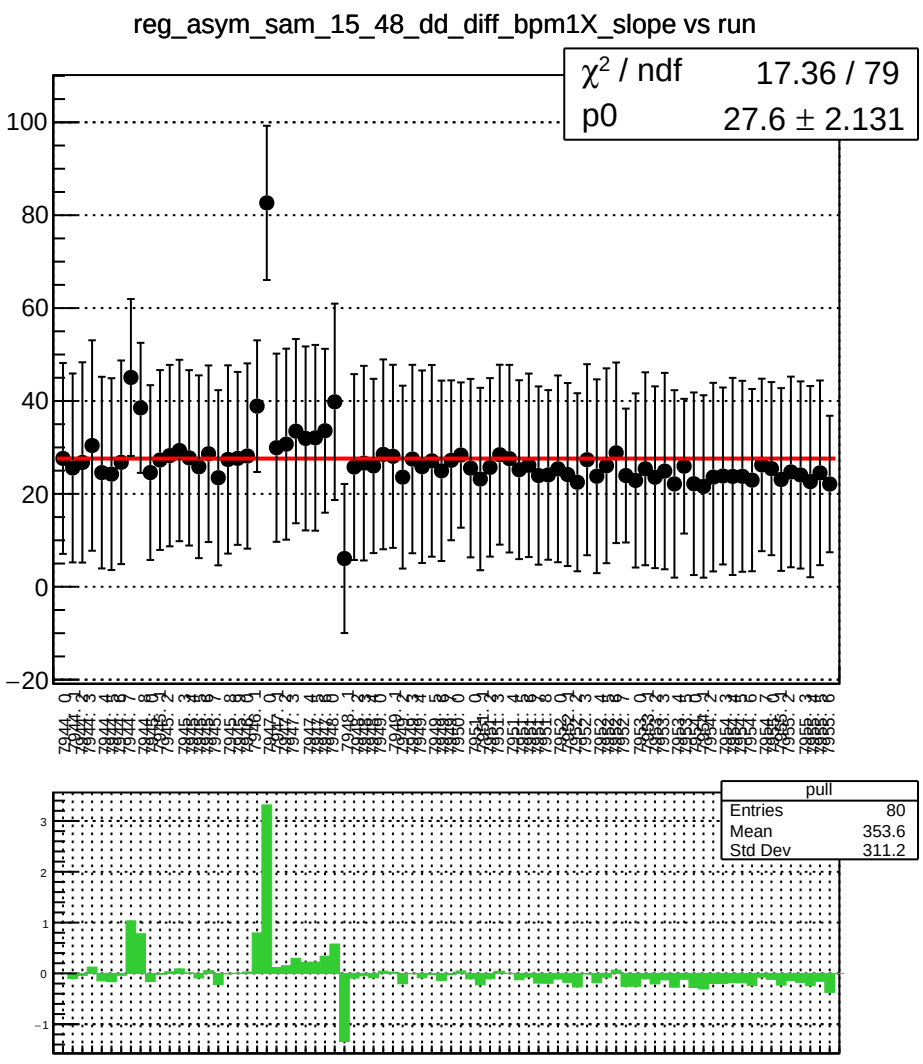

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 56.73 / 79
p0 −59.17 ± 3.074
pull
Entries 80
Mean 291.3
Std Dev 246.9
pull1D
Entries 80
Mean 0.02613
Std Dev 0.8417

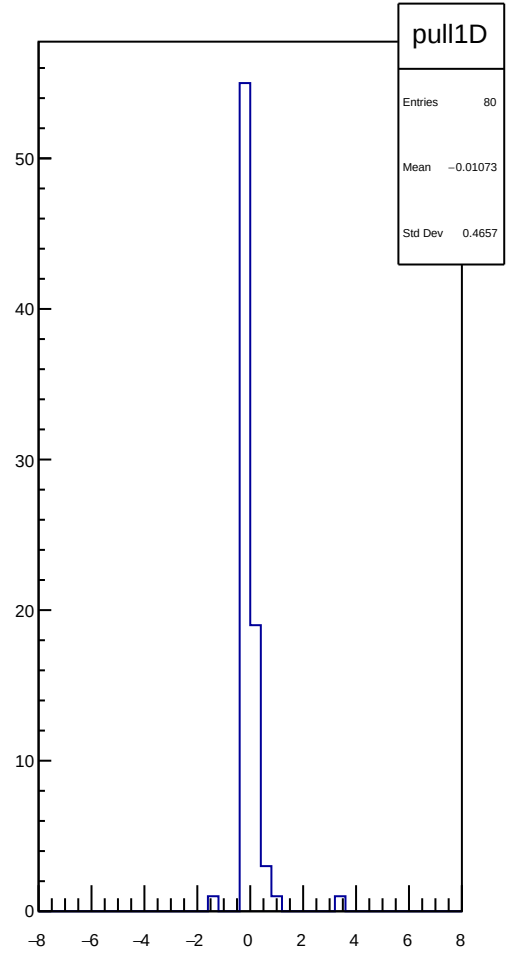

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.51 / 79
p0 −8.541 ± 3.174
pull
Entries 80
Mean 282
Std Dev 245.8
pull1D
Entries 80
Mean −0.01024
Std Dev 0.4108

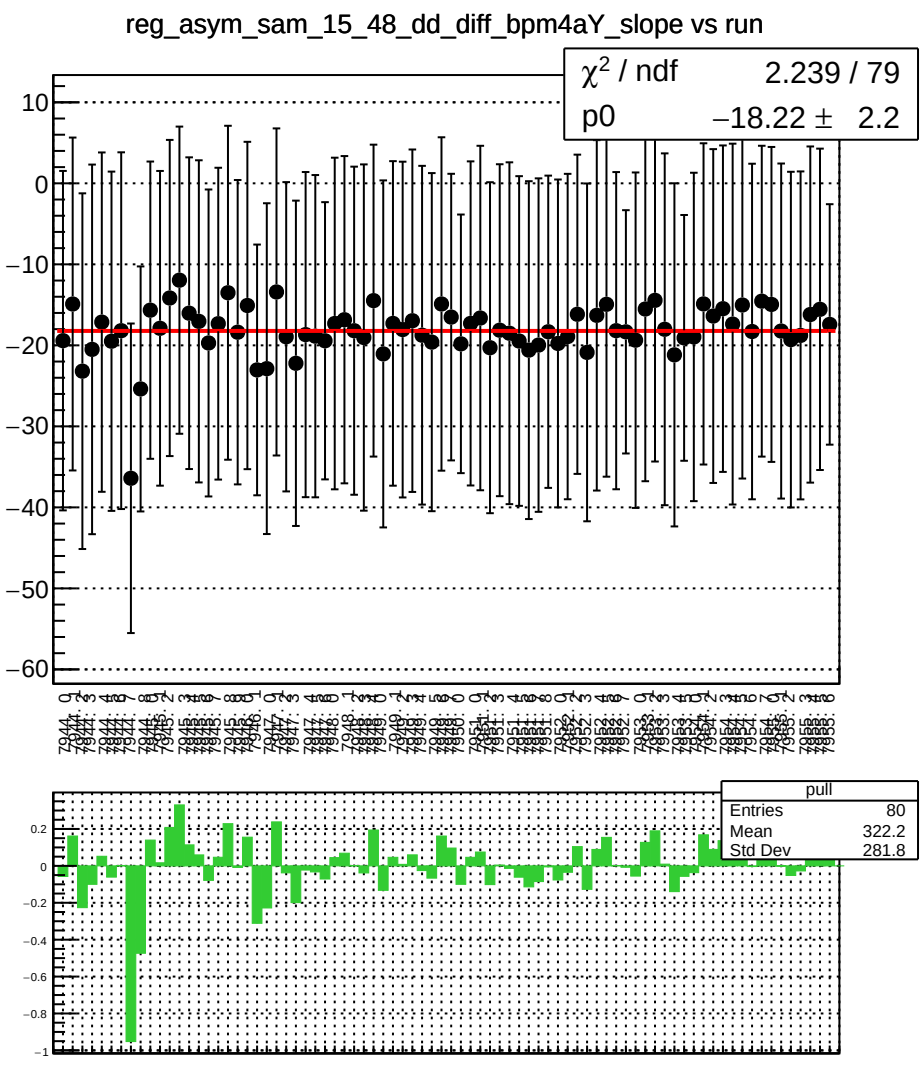

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.08 / 79
p0 −24.79 ± 2.728
150
100
50
0
−50
pull
Entries 80
Mean 234
Std Dev 189.8
6
5
4
3
2
1
0
−1
pull1D
Entries 80
Mean −0.03221
Std Dev 0.8803
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

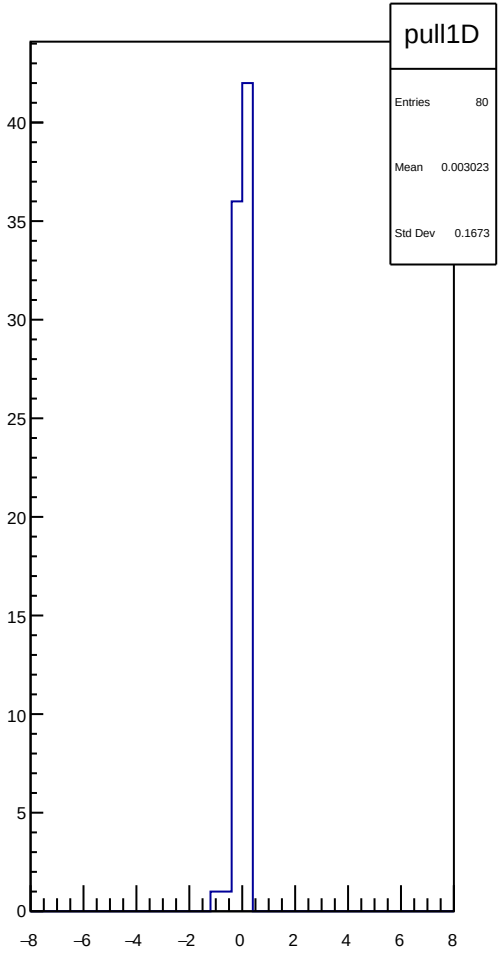

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.79 / 79
p0 −2.454 ± 3.649
pull
Entries 80
Mean 331.4
Std Dev 294.1
pull1D
Entries 80
Mean 0.01033
Std Dev 0.415

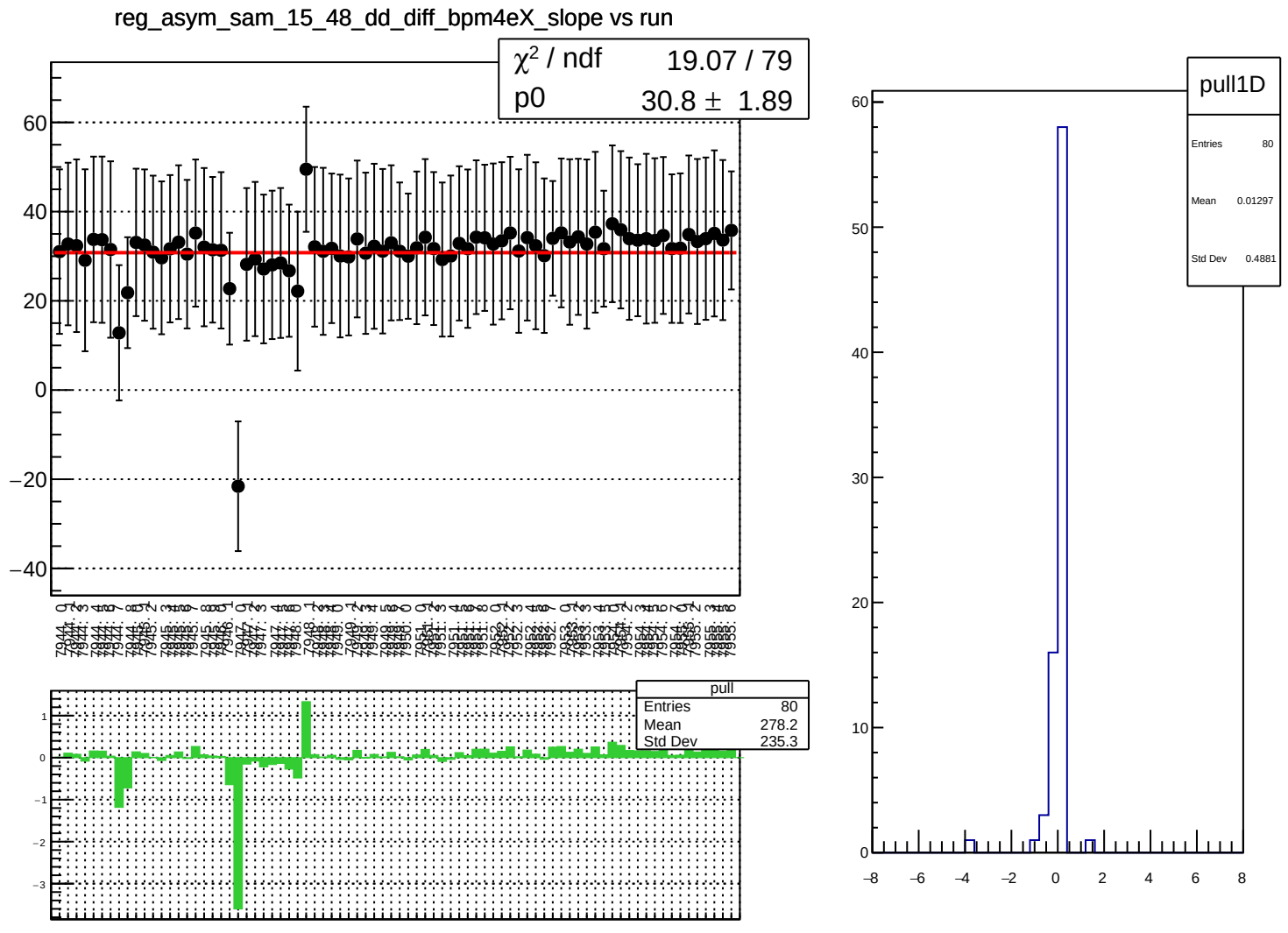

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 15.18 / 79
p0 −0.1103 ± 0.1028
pull
Entries 80
Mean −882.2
Std Dev 924
pull1D
Entries 80
Mean −0.005684
Std Dev 0.4355

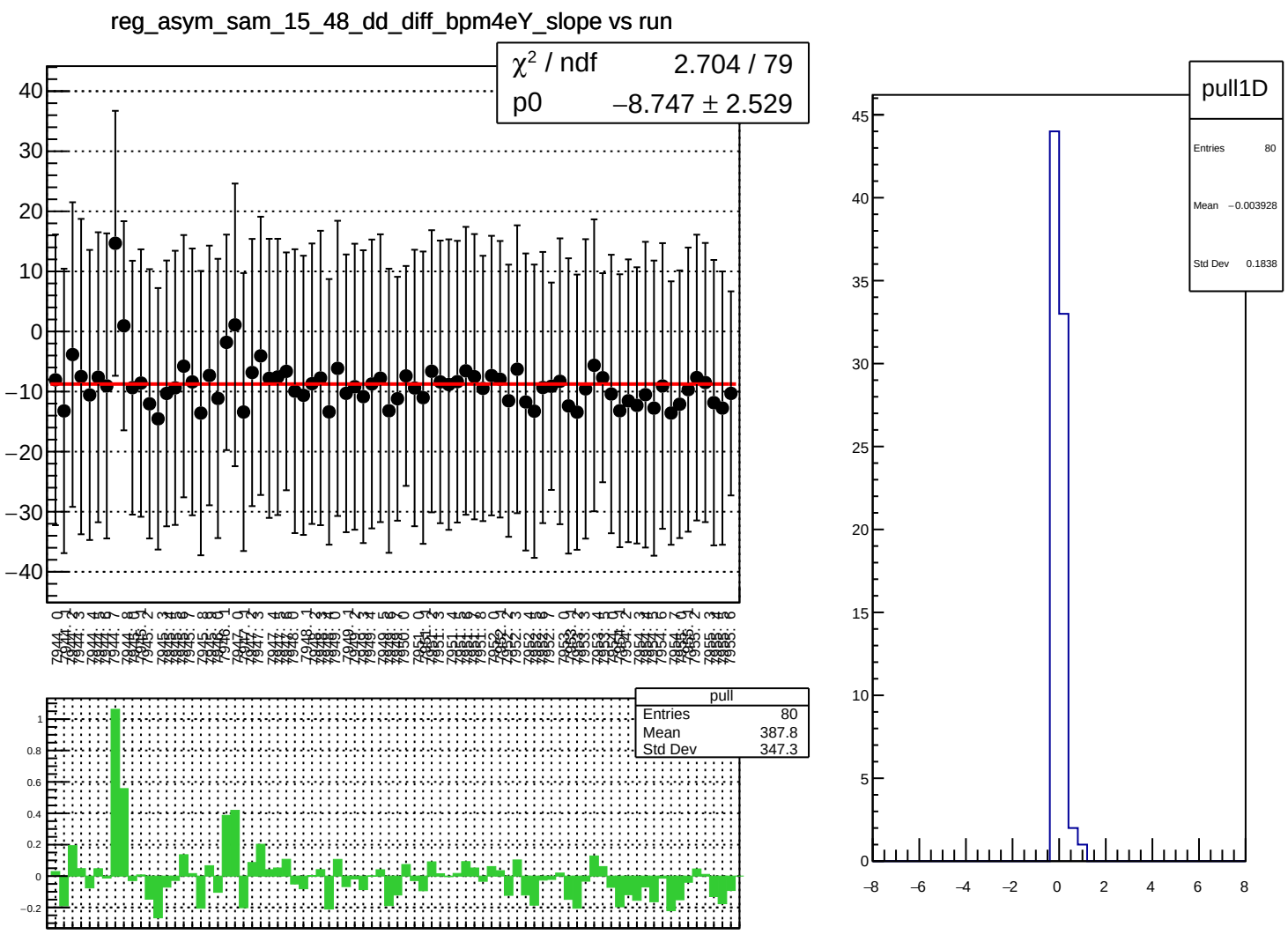

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 17.36 / 79
p0 27.6 ± 2.131
pull
Entries 80
Mean 353.6
Std Dev 311.2

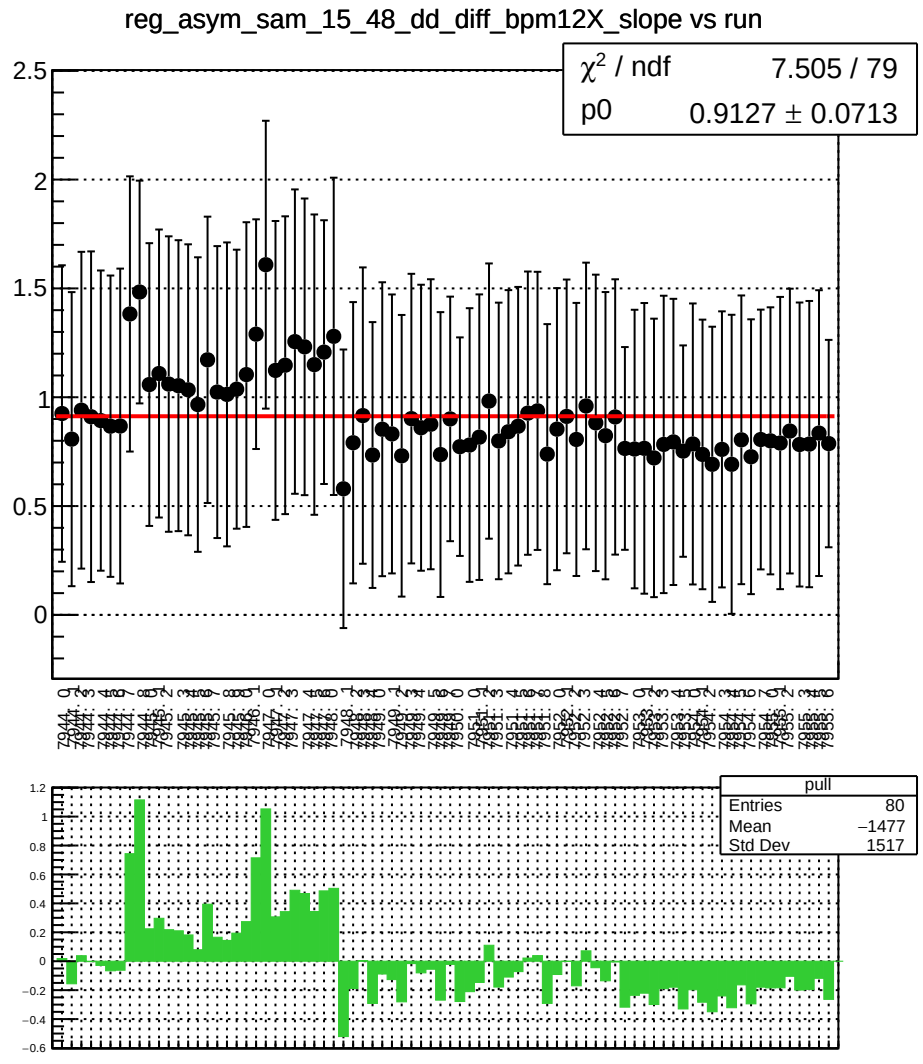

pull1D
Entries 80
Mean −0.01073
Std Dev 0.4657

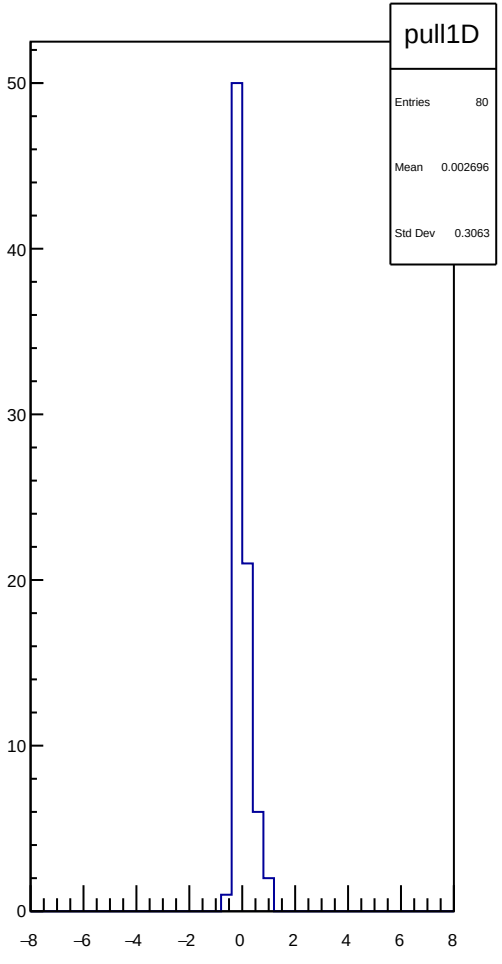

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.239 / 79
p0 −18.22 ± 2.2
pull
Entries 80
Mean 322.2
Std Dev 281.8

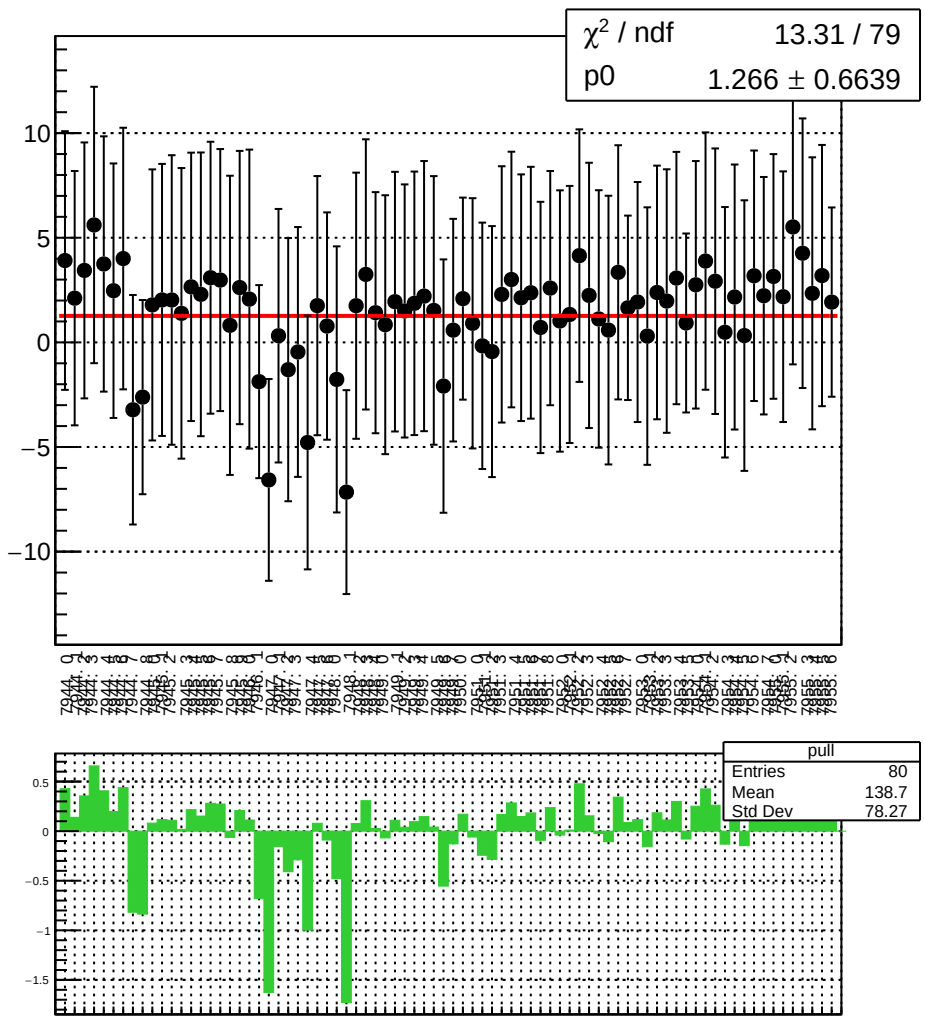

pull1D
Entries 80
Mean 0.003023
Std Dev 0.1673

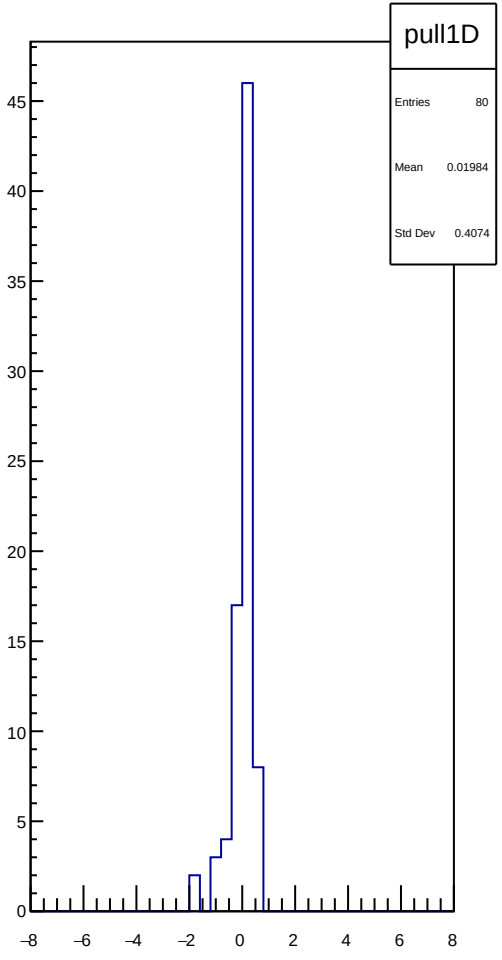

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.07 / 79
p0 30.8 ± 1.89
pull
Entries 80
Mean 278.2
Std Dev 235.3
pull1D
Entries 80
Mean 0.01297
Std Dev 0.4881

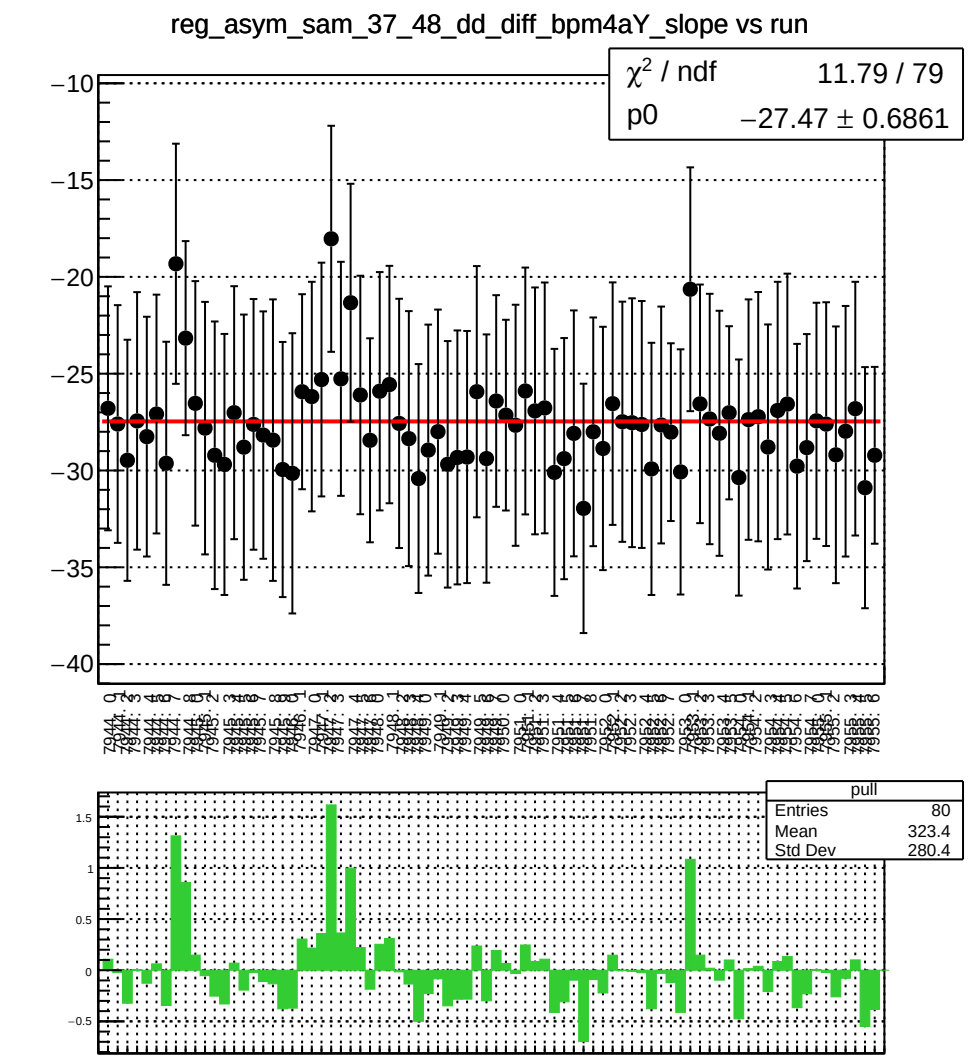

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.704 / 79
p0 −8.747 ± 2.529
pull
Entries 80
Mean 387.8
Std Dev 347.3
pull1D
Entries 80
Mean −0.003928
Std Dev 0.1838

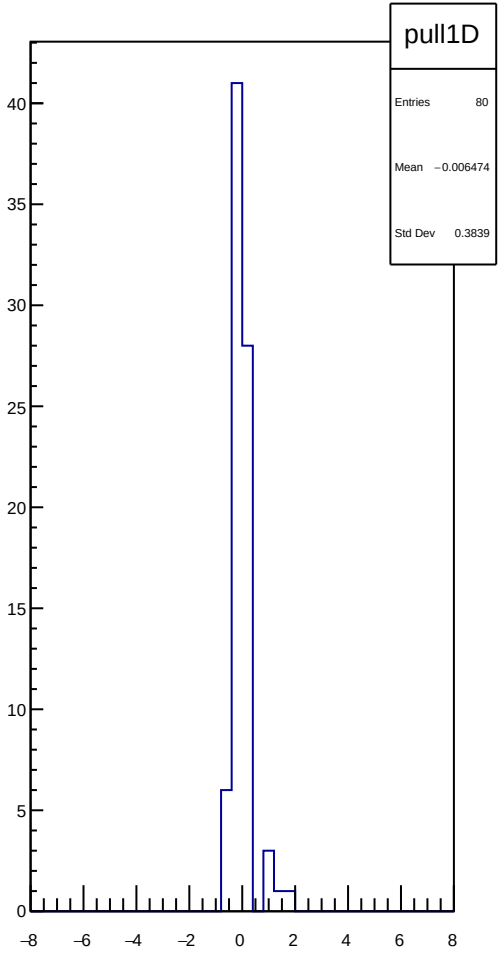

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.505 / 79
p0 0.9127 ± 0.0713
pull
Entries 80
Mean −1477
Std Dev 1517

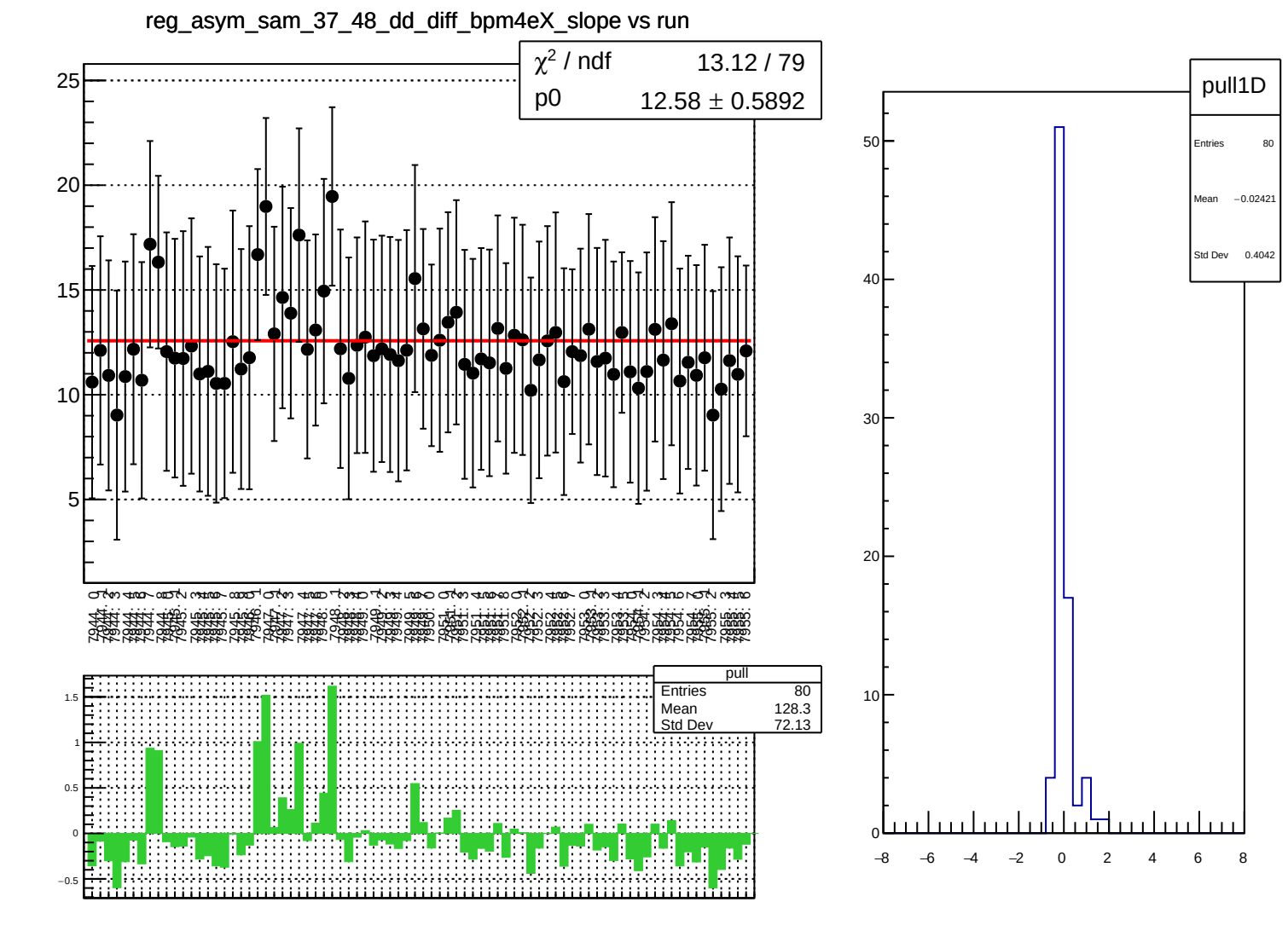

pull1D
Entries 80
Mean 0.002696
Std Dev 0.3063

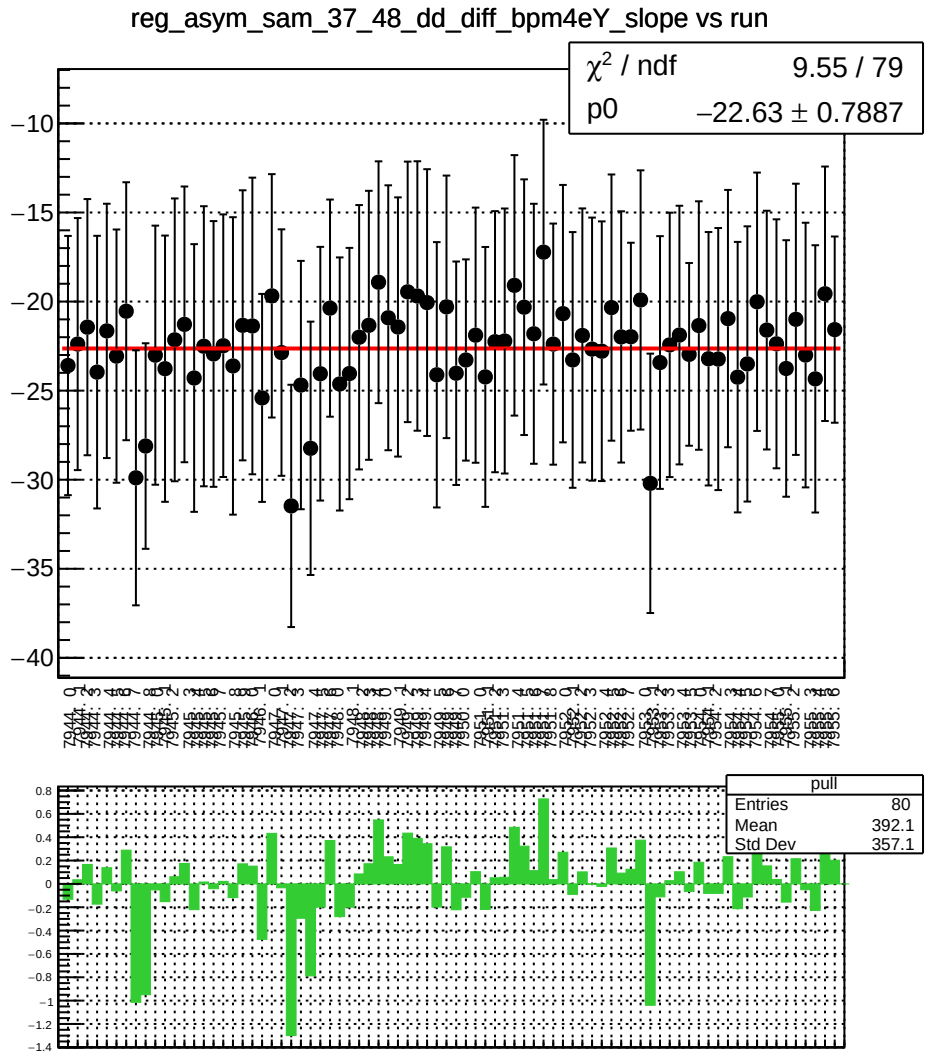

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 13.31 / 79
p0 1.266 ± 0.6639
pull
Entries 80
Mean 138.7
Std Dev 78.27

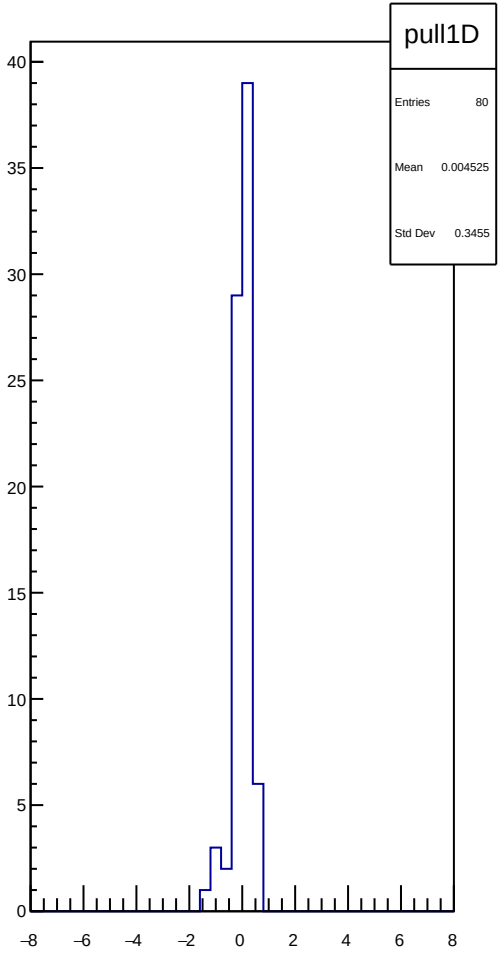

pull1D
Entries 80
Mean 0.01984
Std Dev 0.4074

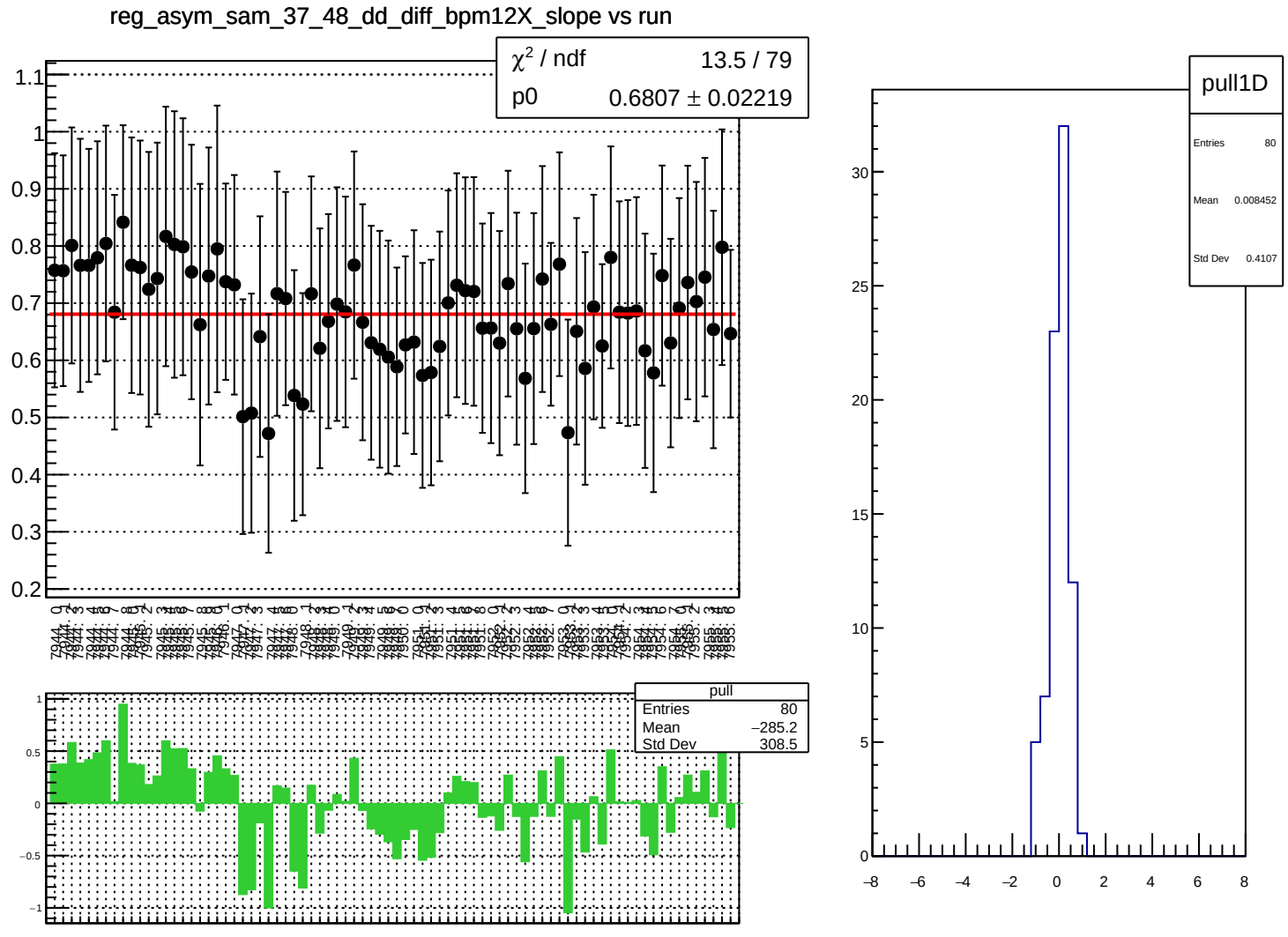

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.79 / 79
p0 −27.47 ± 0.6861
pull
Entries 80
Mean 323.4
Std Dev 280.4

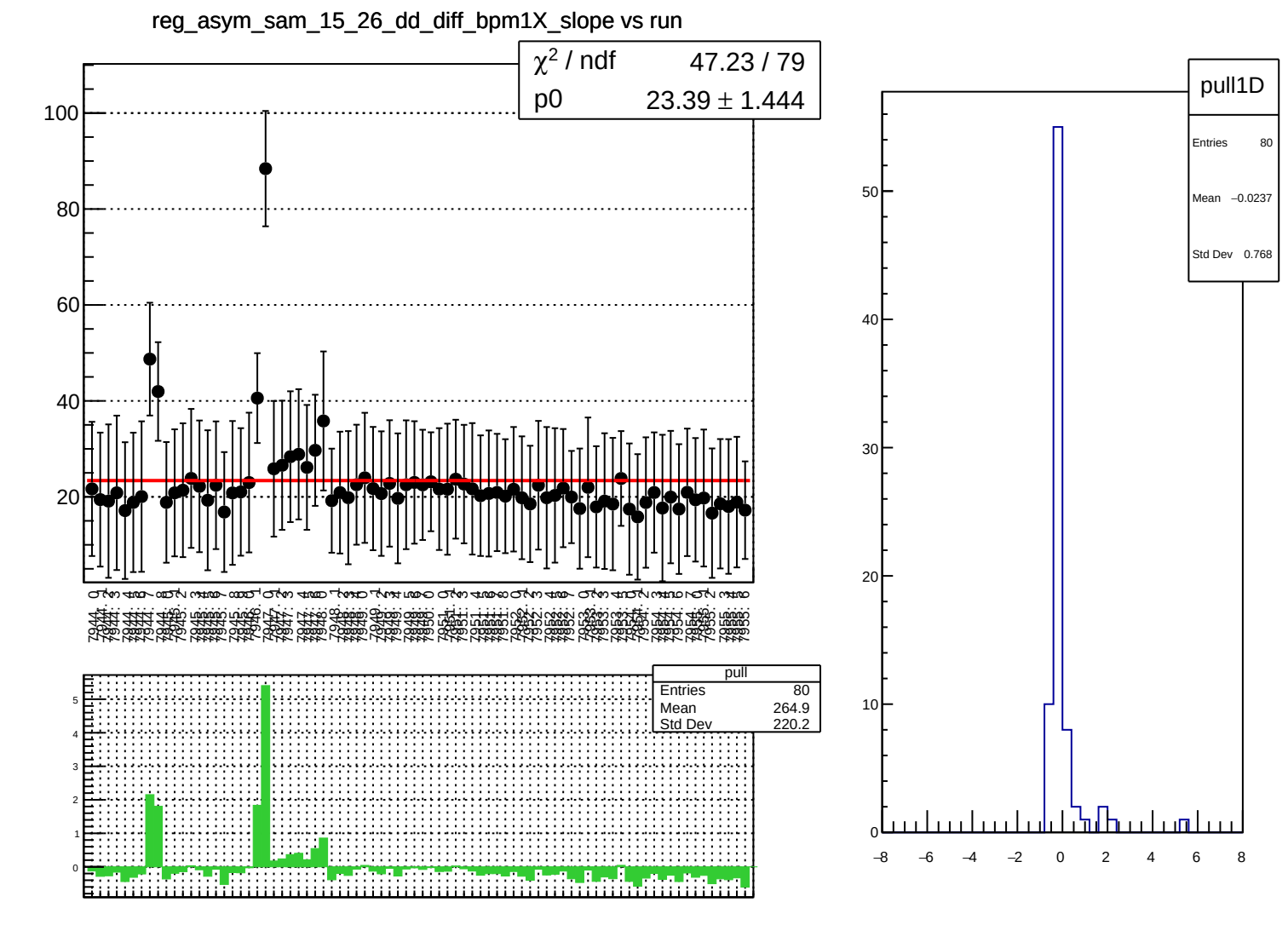

pull1D
Entries 80
Mean −0.006474
Std Dev 0.3839

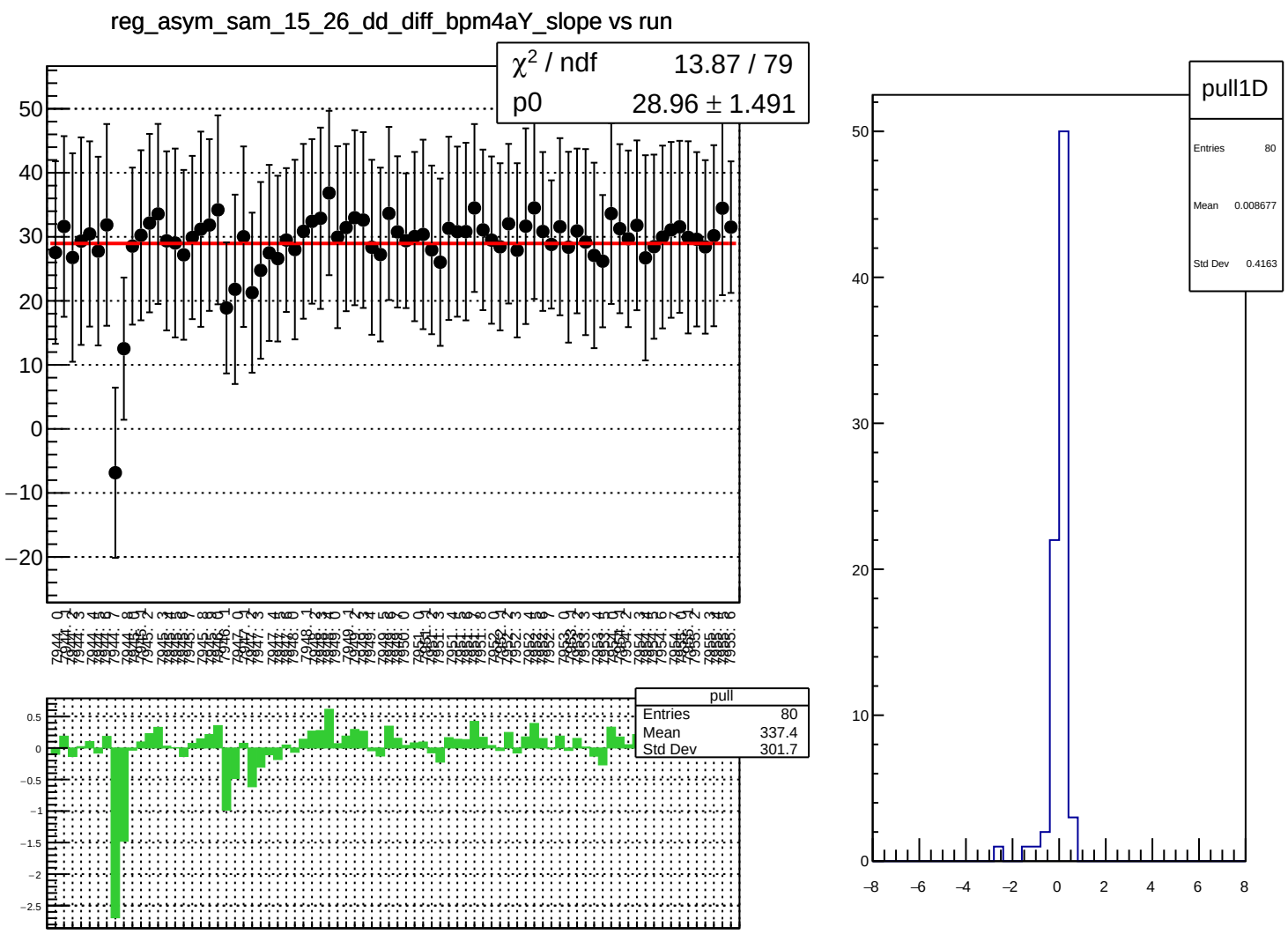

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.12 / 79
p0 12.58 ± 0.5892
pull
Entries 80
Mean 128.3
Std Dev 72.13
pull1D
Entries 80
Mean −0.02421
Std Dev 0.4042

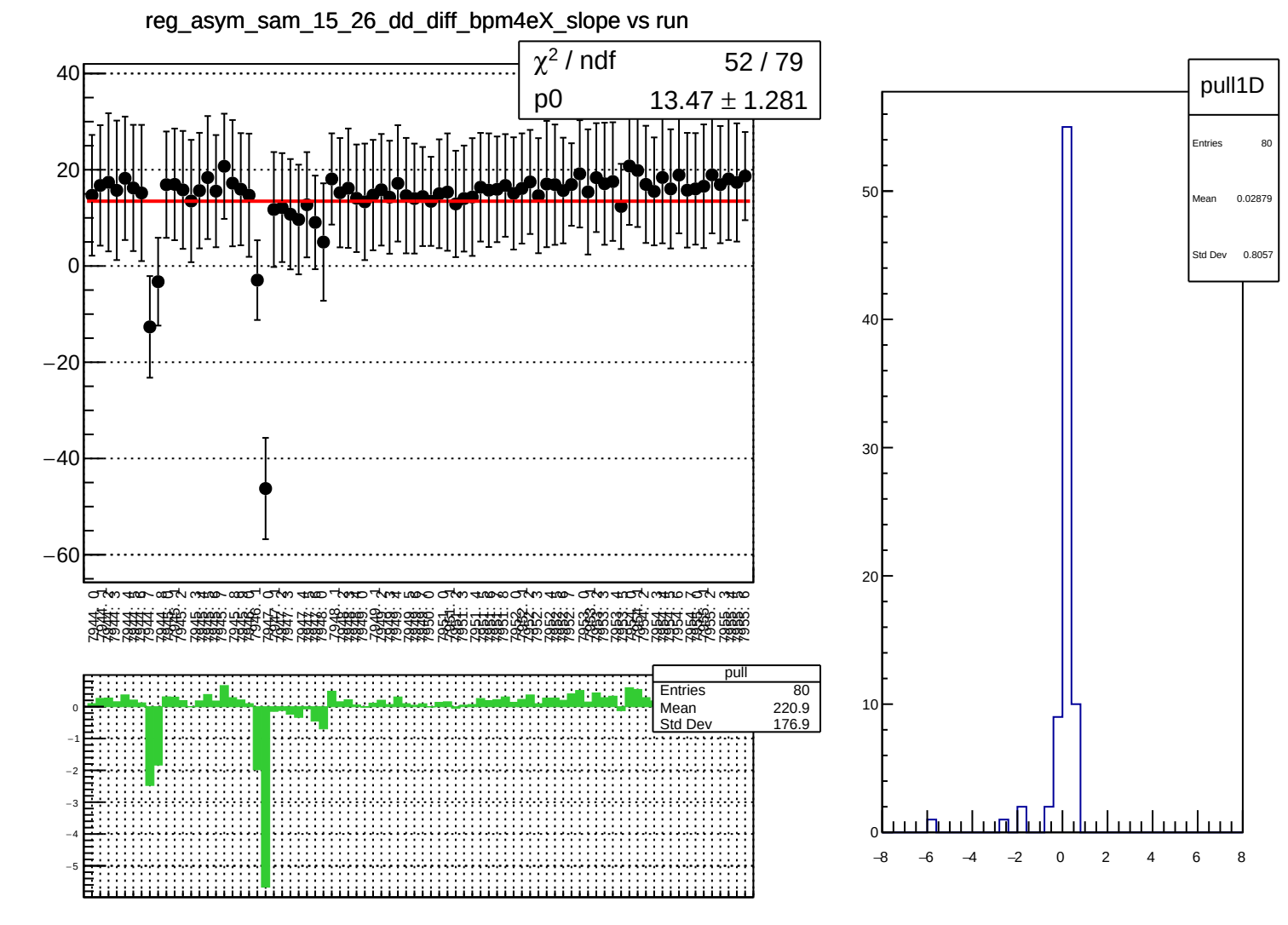

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.55 / 79
p0 −22.63 ± 0.7887
pull
Entries 80
Mean 392.1
Std Dev 357.1

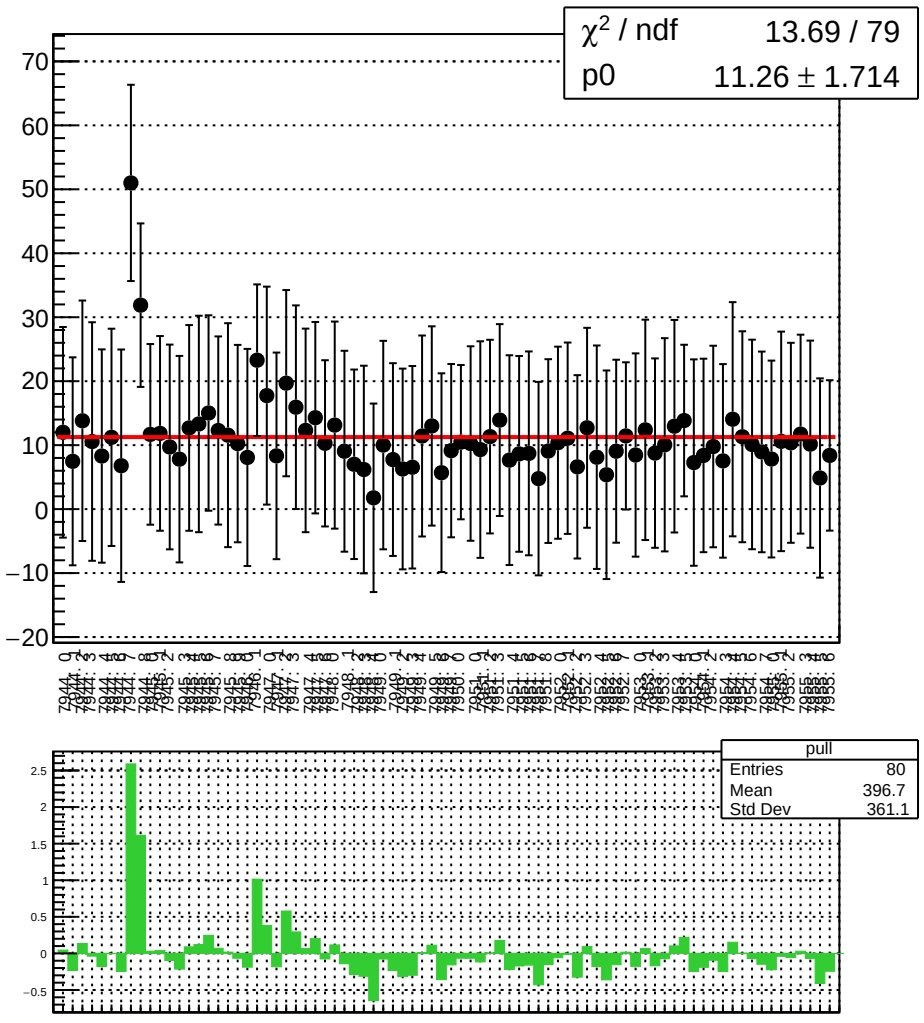

pull1D
Entries 80
Mean 0.004525
Std Dev 0.3455

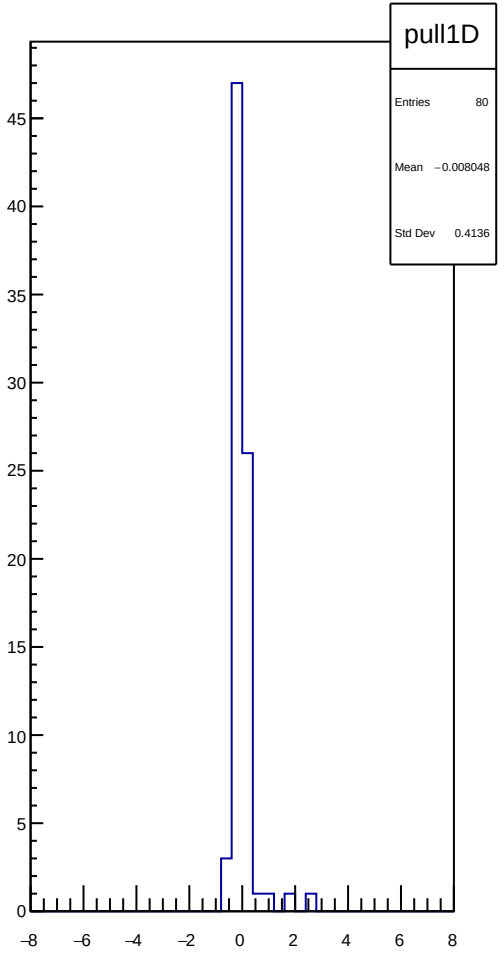

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 13.5 / 79
p0 0.6807 ± 0.02219
pull
Entries 80
Mean −285.2
Std Dev 308.5
pull1D
Entries 80
Mean 0.008452
Std Dev 0.4107

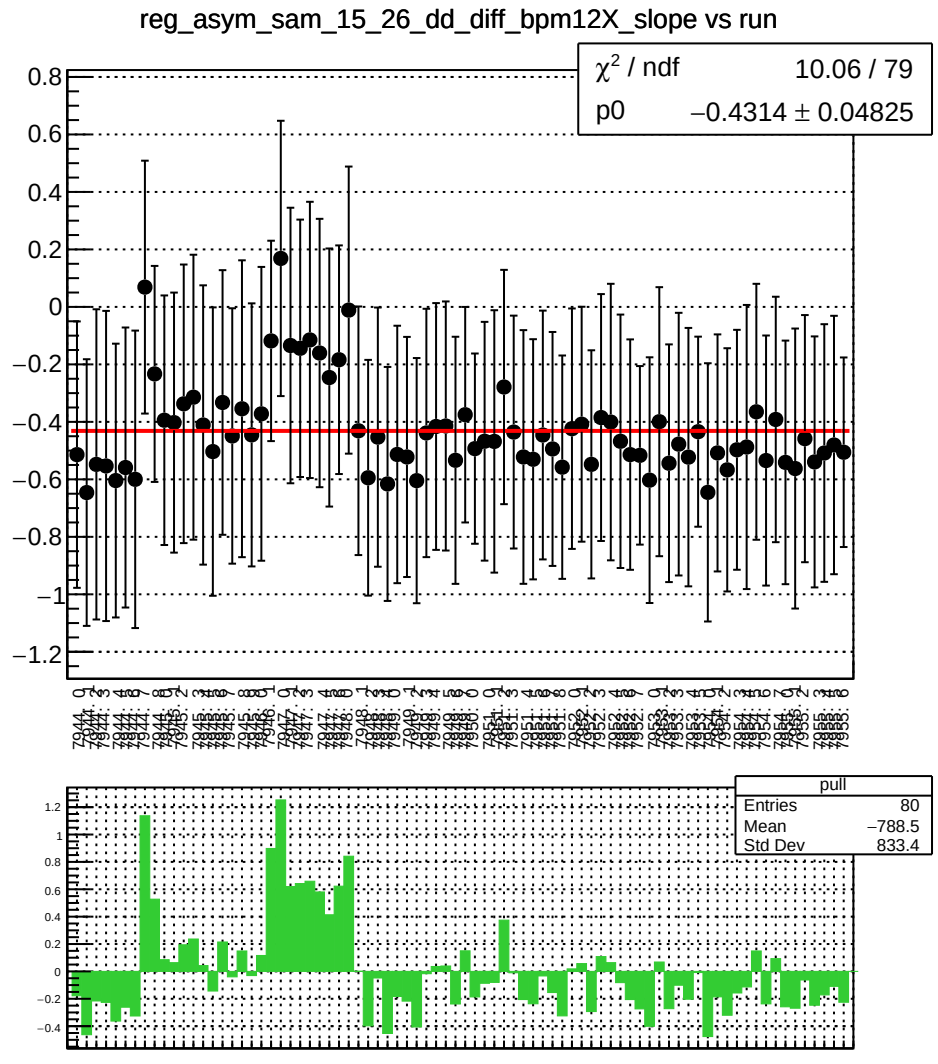

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 47.23 / 79
p0 23.39 ± 1.444
pull
Entries 80
Mean 264.9
Std Dev 220.2
pull1D
Entries 80
Mean −0.0237
Std Dev 0.768

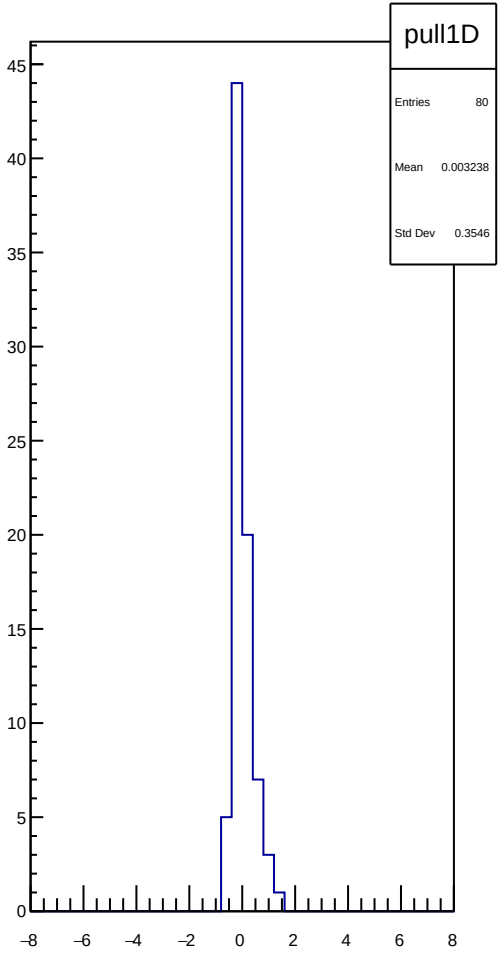

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.87 / 79
p0 28.96 ± 1.491
pull
Entries 80
Mean 337.4
Std Dev 301.7
pull1D
Entries 80
Mean 0.008677
Std Dev 0.4163

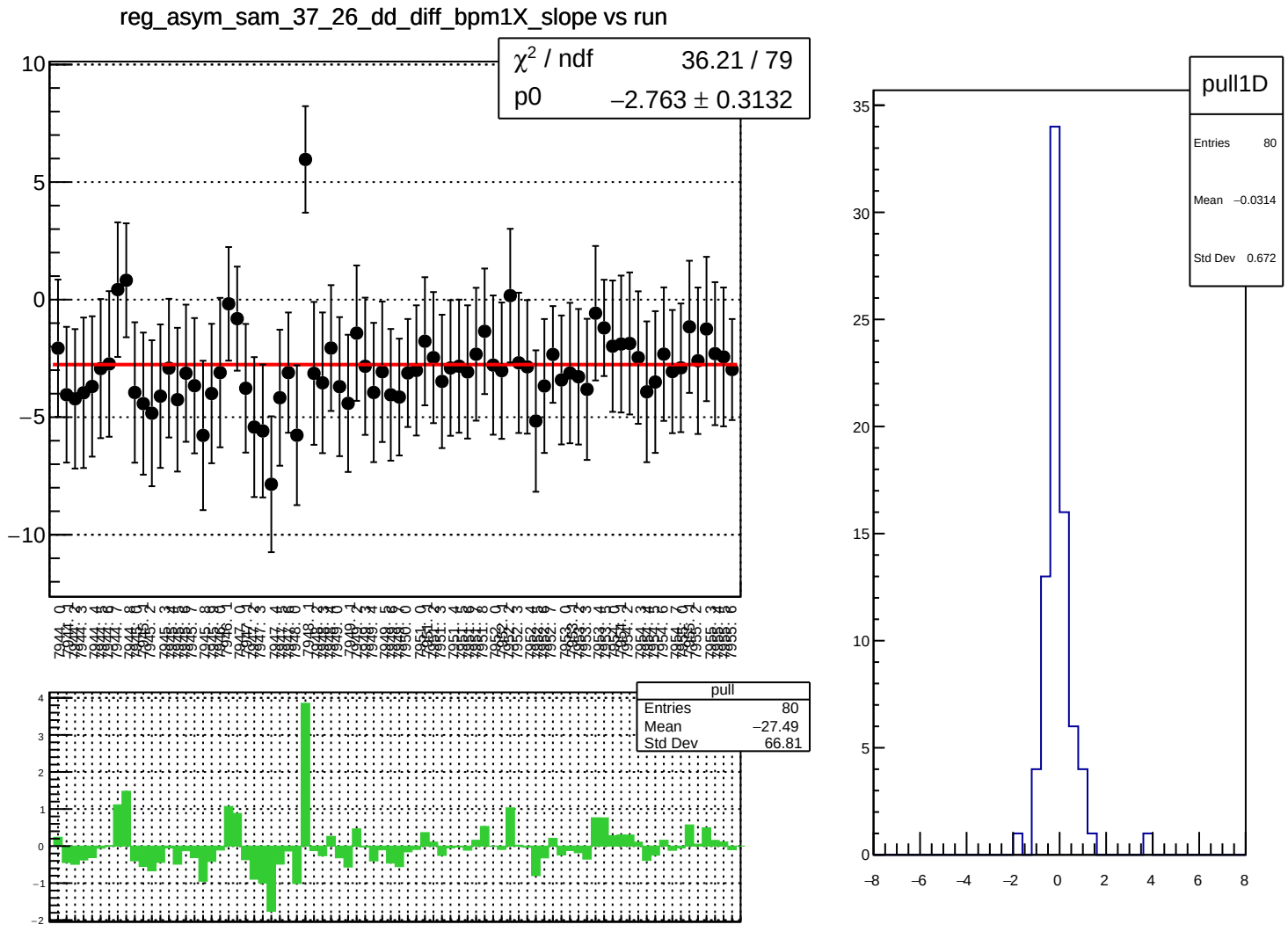

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 52 / 79
p0 13.47 ± 1.281
pull
Entries 80
Mean 220.9
Std Dev 176.9
pull1D
Entries 80
Mean 0.02879
Std Dev 0.8057

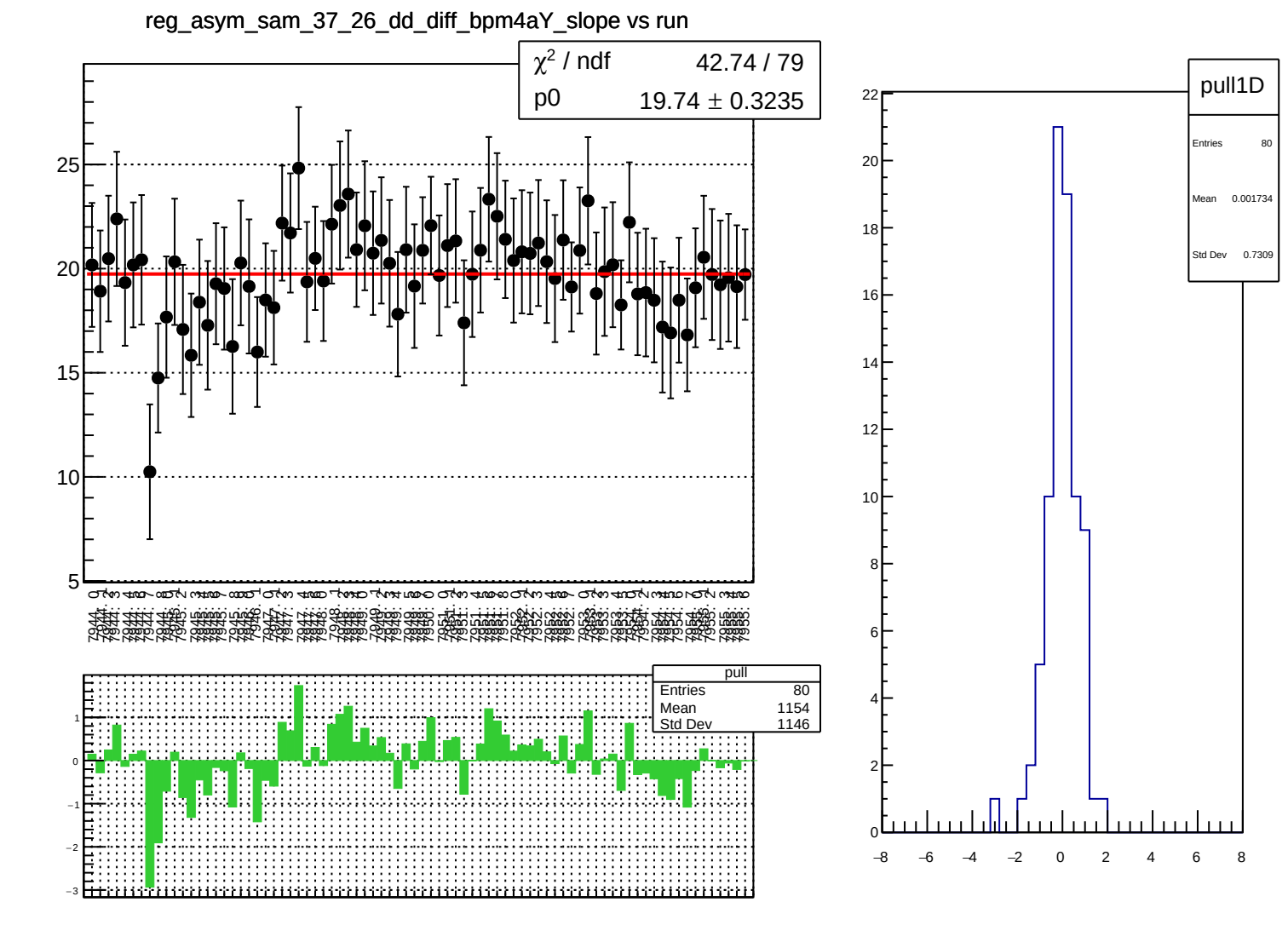

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.69 / 79
p0 11.26 ± 1.714
pull
Entries 80
Mean 396.7
Std Dev 361.1

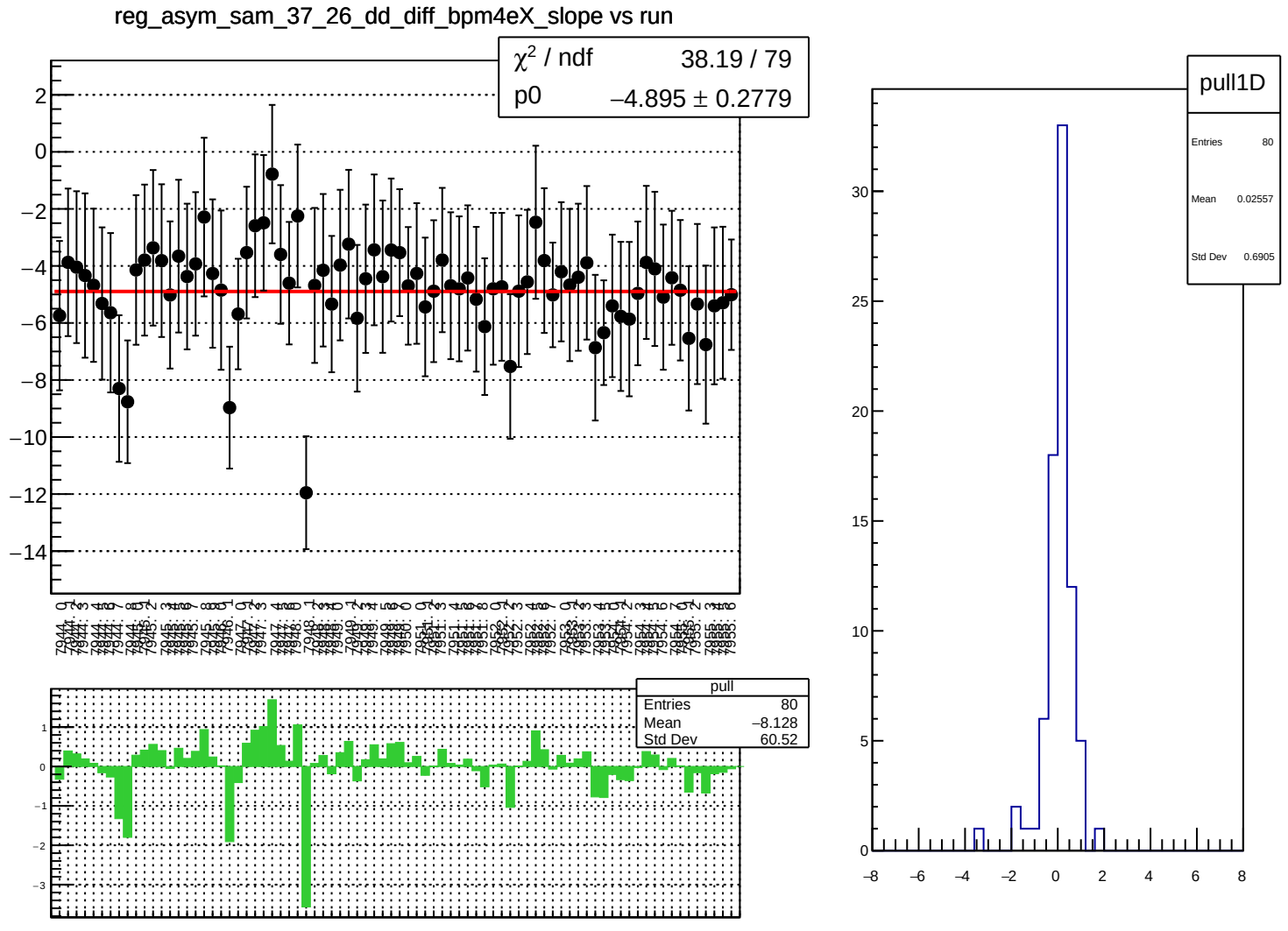

pull1D
Entries 80
Mean −0.008048
Std Dev 0.4136

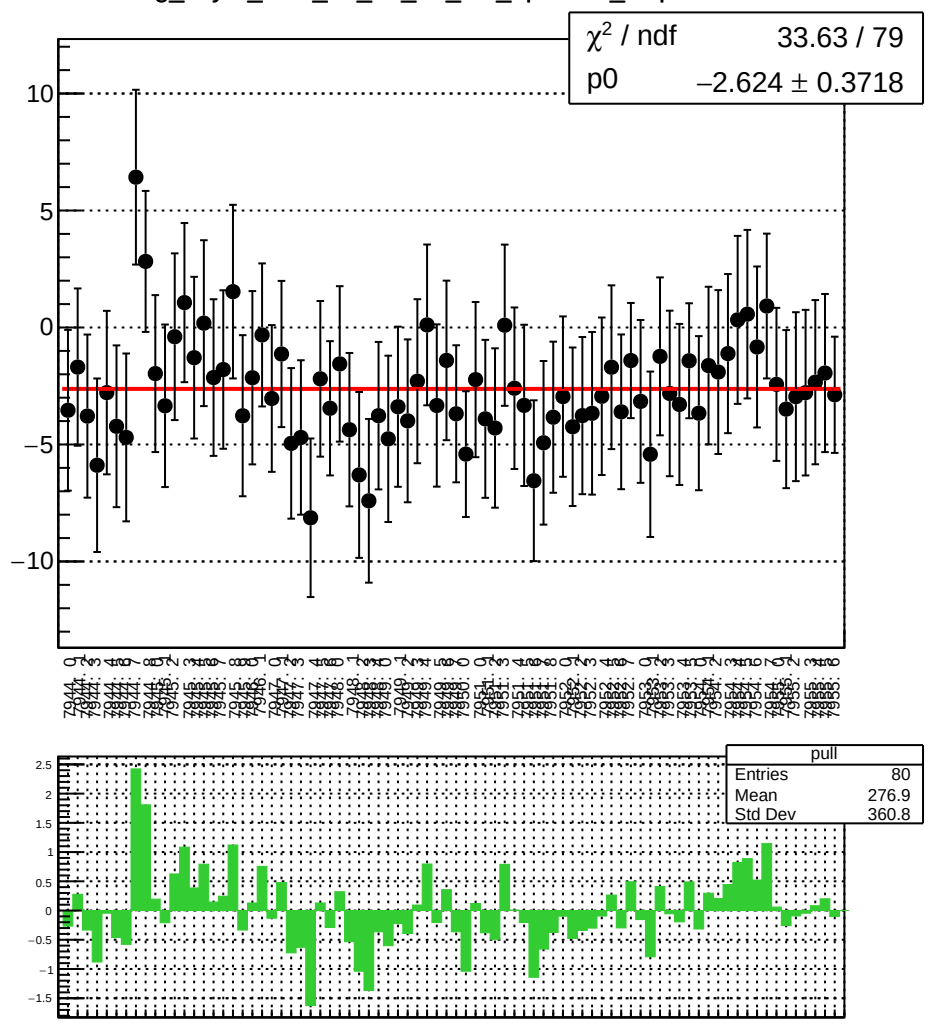

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 10.06 / 79
p0 −0.4314 ± 0.04825
pull
Entries 80
Mean −788.5
Std Dev 833.4

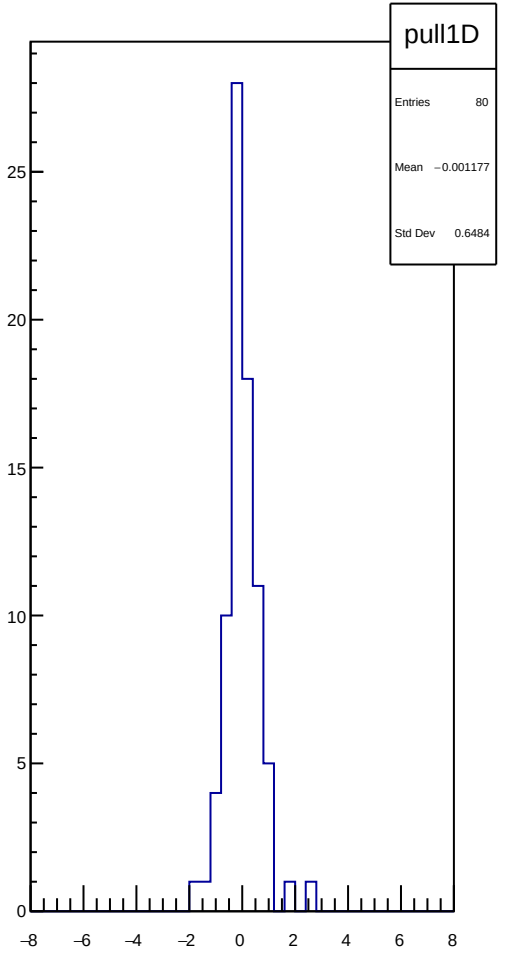

pull1D
Entries 80
Mean 0.003238
Std Dev 0.3546

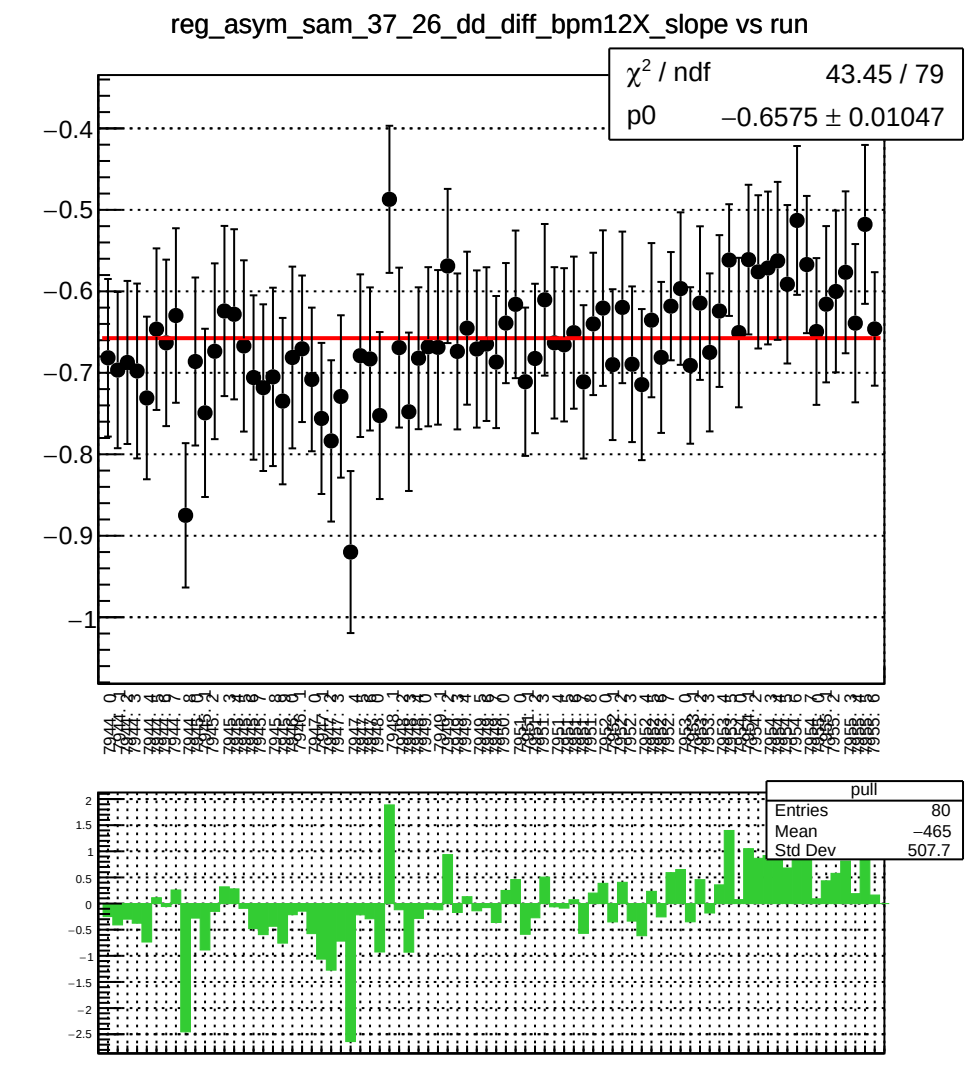

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 36.21 / 79
p0 −2.763 ± 0.3132
pull
Entries 80
Mean −27.49
Std Dev 66.81
pull1D
Entries 80
Mean −0.0314
Std Dev 0.672

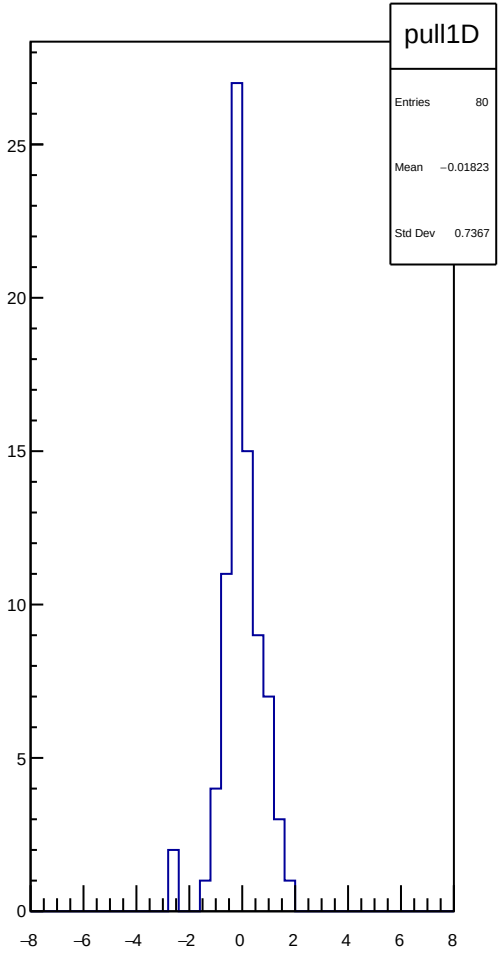

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.74 / 79
p0 19.74 ± 0.3235
pull
Entries 80
Mean 1154
Std Dev 1146
pull1D
Entries 80
Mean 0.001734
Std Dev 0.7309

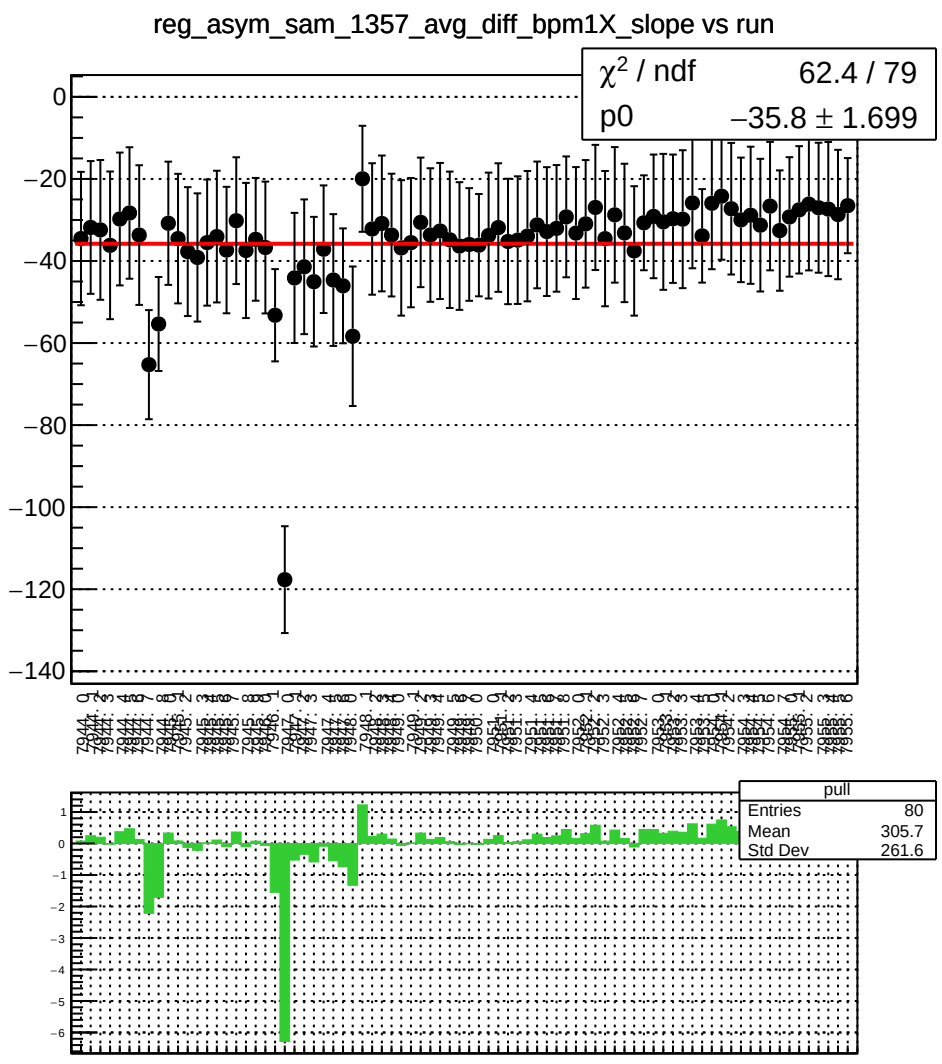

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.19 / 79
p0 −4.895 ± 0.2779
pull
Entries 80
Mean −8.128
Std Dev 60.52
pull1D
Entries 80
Mean 0.02557
Std Dev 0.6905

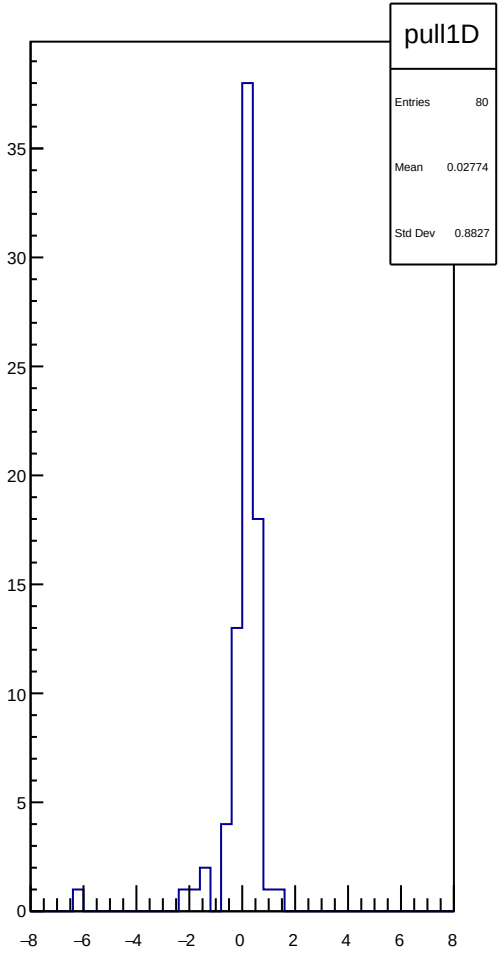

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.63 / 79
p0 −2.624 ± 0.3718
pull
Entries 80
Mean 276.9
Std Dev 360.8

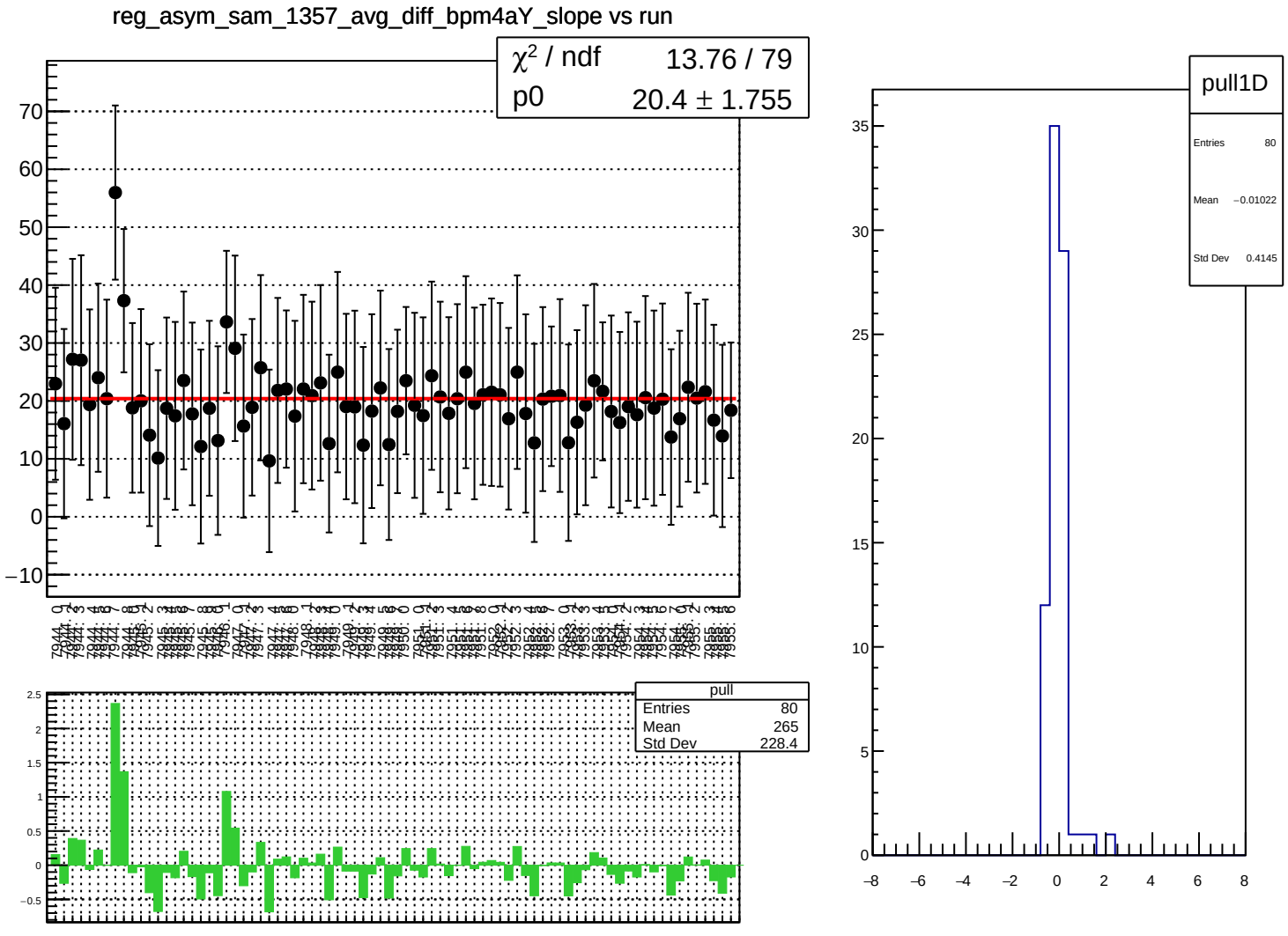

pull1D
Entries 80
Mean −0.001177
Std Dev 0.6484

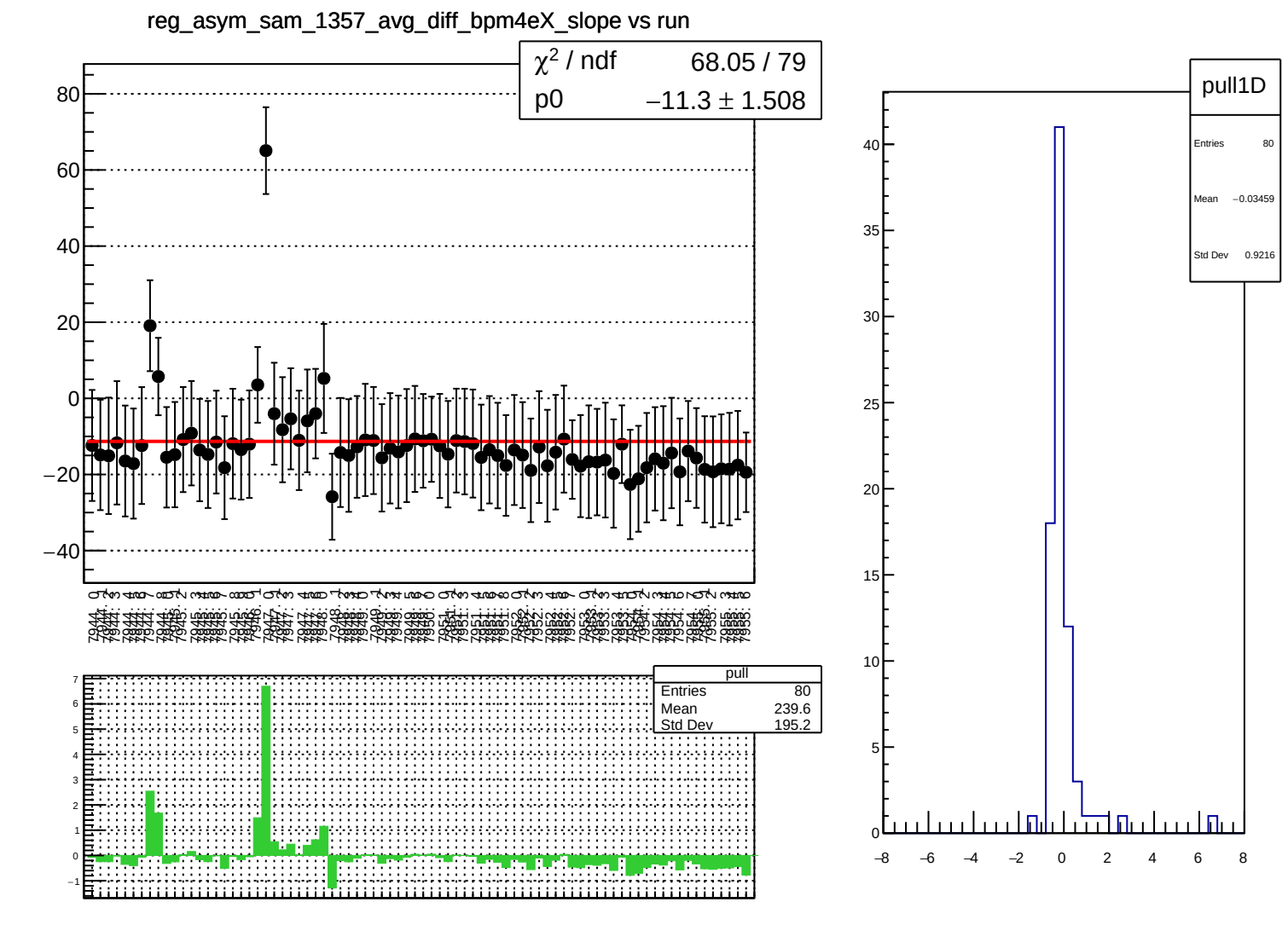

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 43.45 / 79
p0 −0.6575 ± 0.01047
pull
Entries 80
Mean −465
Std Dev 507.7

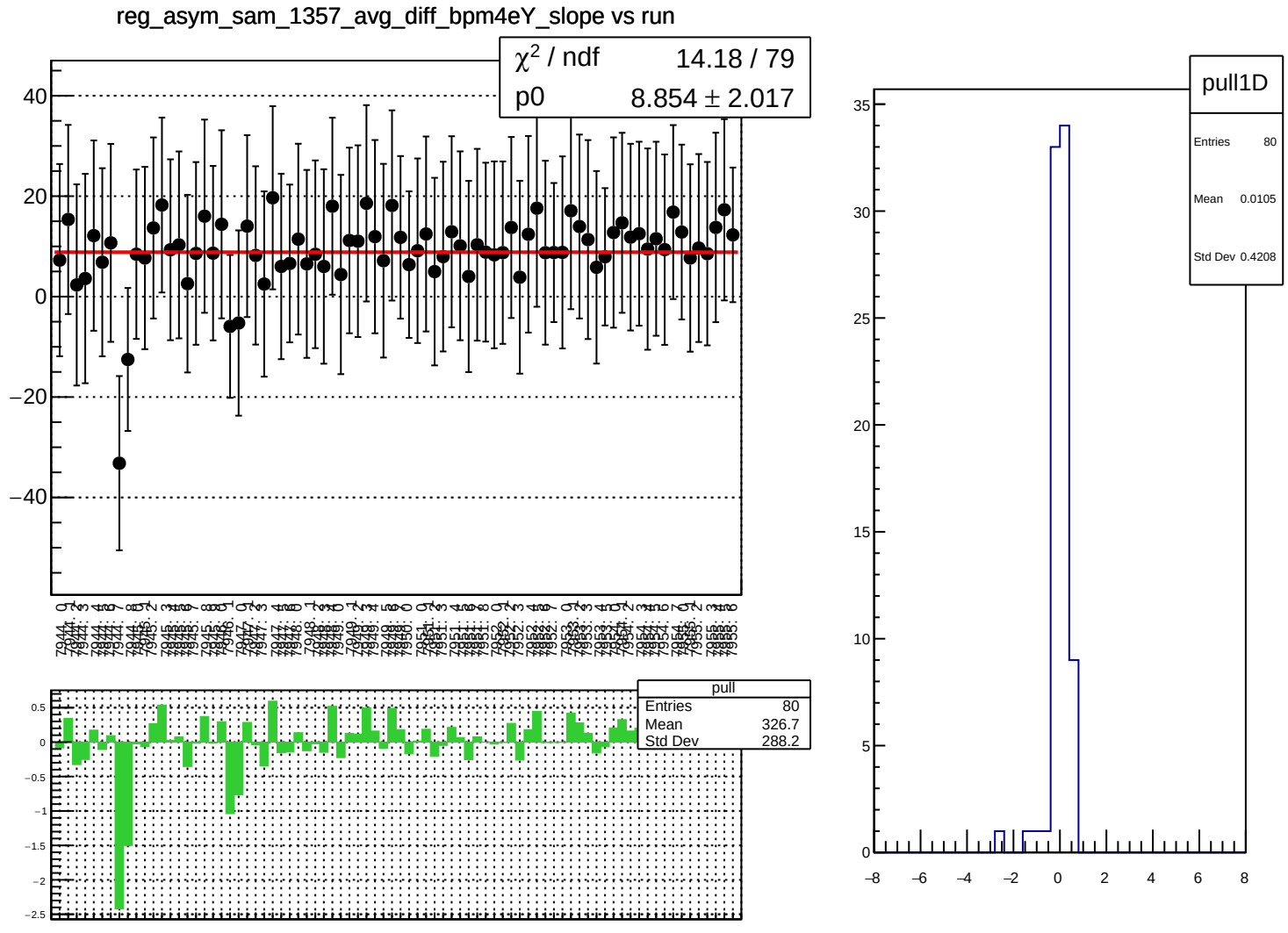

pull1D
Entries 80
Mean −0.01823
Std Dev 0.7367

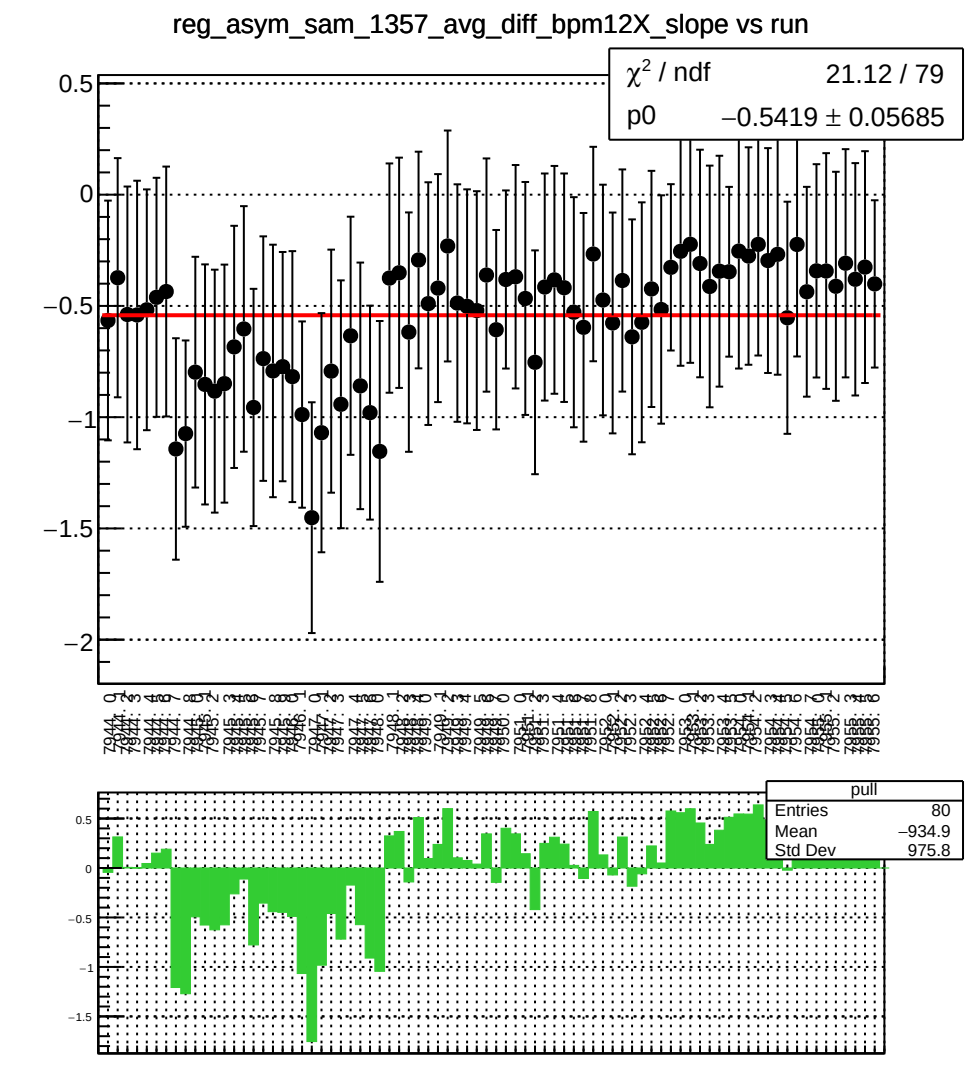

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 62.4 / 79
p0 −35.8 ± 1.699
pull
Entries 80
Mean 305.7
Std Dev 261.6

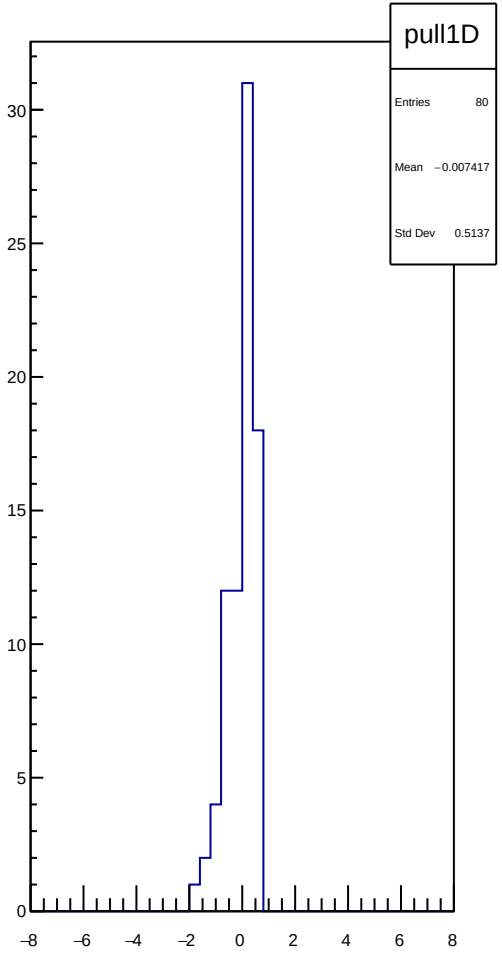

pull1D
Entries 80
Mean 0.02774
Std Dev 0.8827

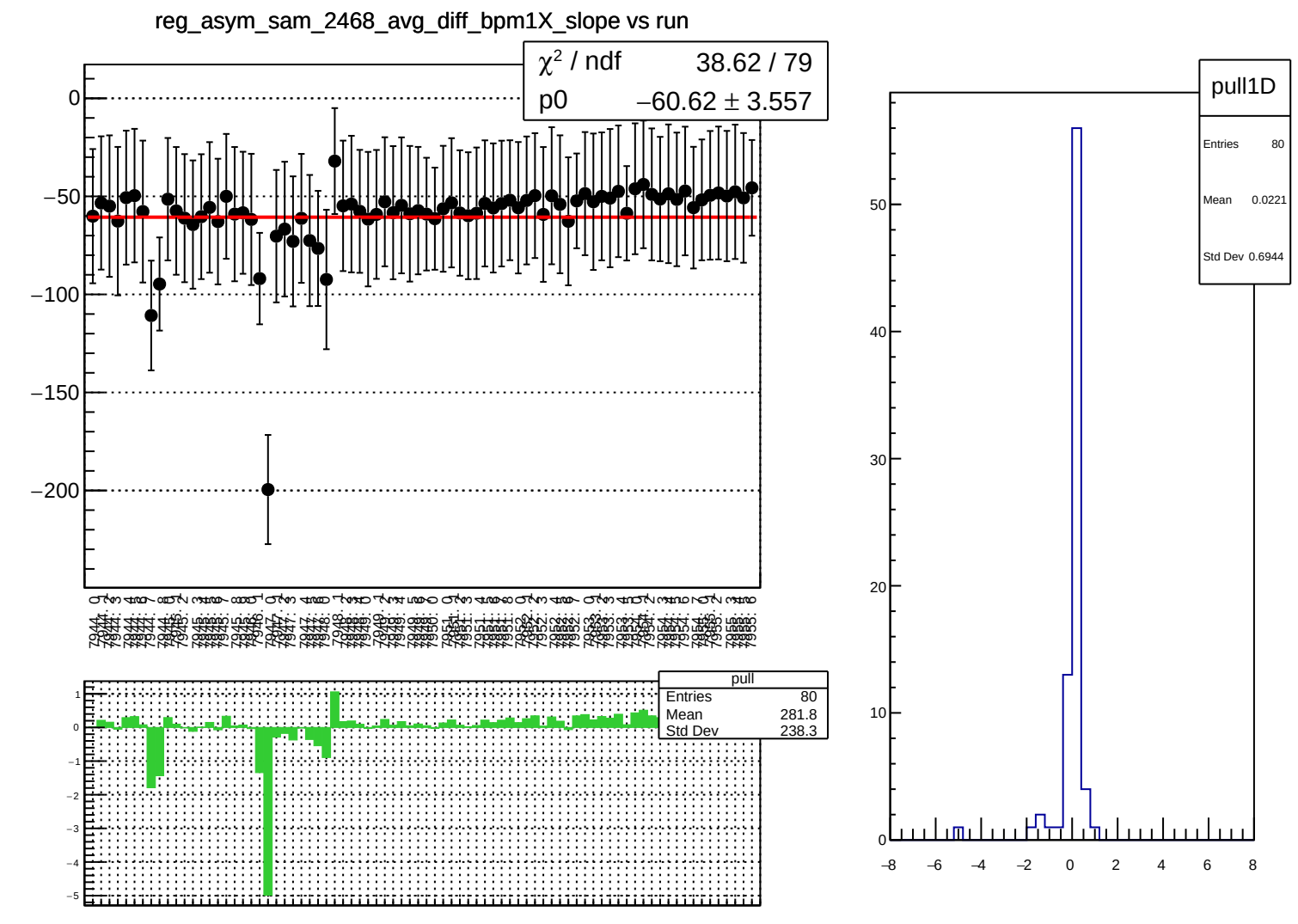

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.76 / 79
p0 20.4 ± 1.755
pull
Entries 80
Mean 265
Std Dev 228.4
pull1D
Entries 80
Mean −0.01022
Std Dev 0.4145

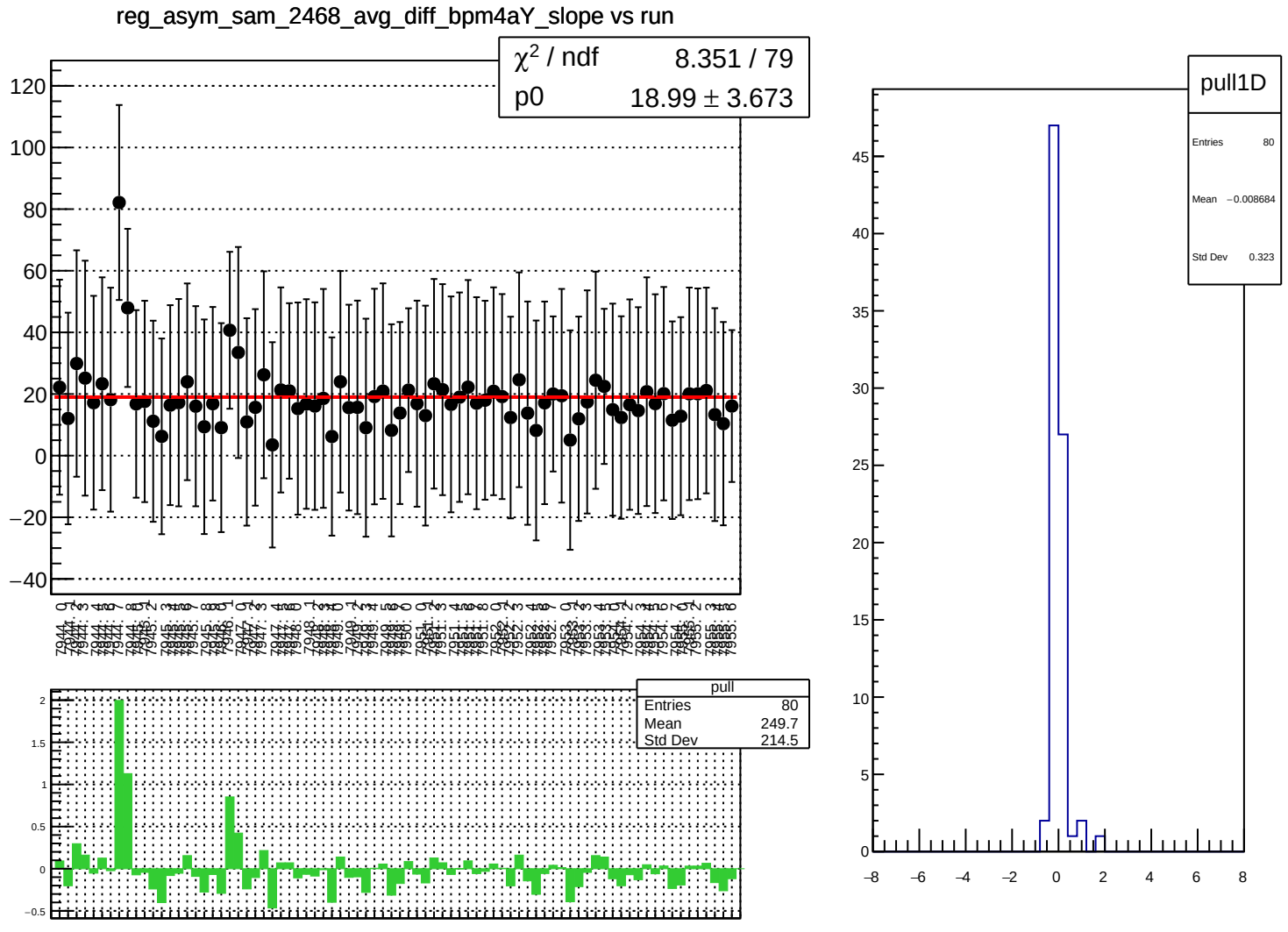

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.05 / 79
p0 −11.3 ± 1.508
pull
Entries 80
Mean 239.6
Std Dev 195.2
pull1D
Entries 80
Mean −0.03459
Std Dev 0.9216

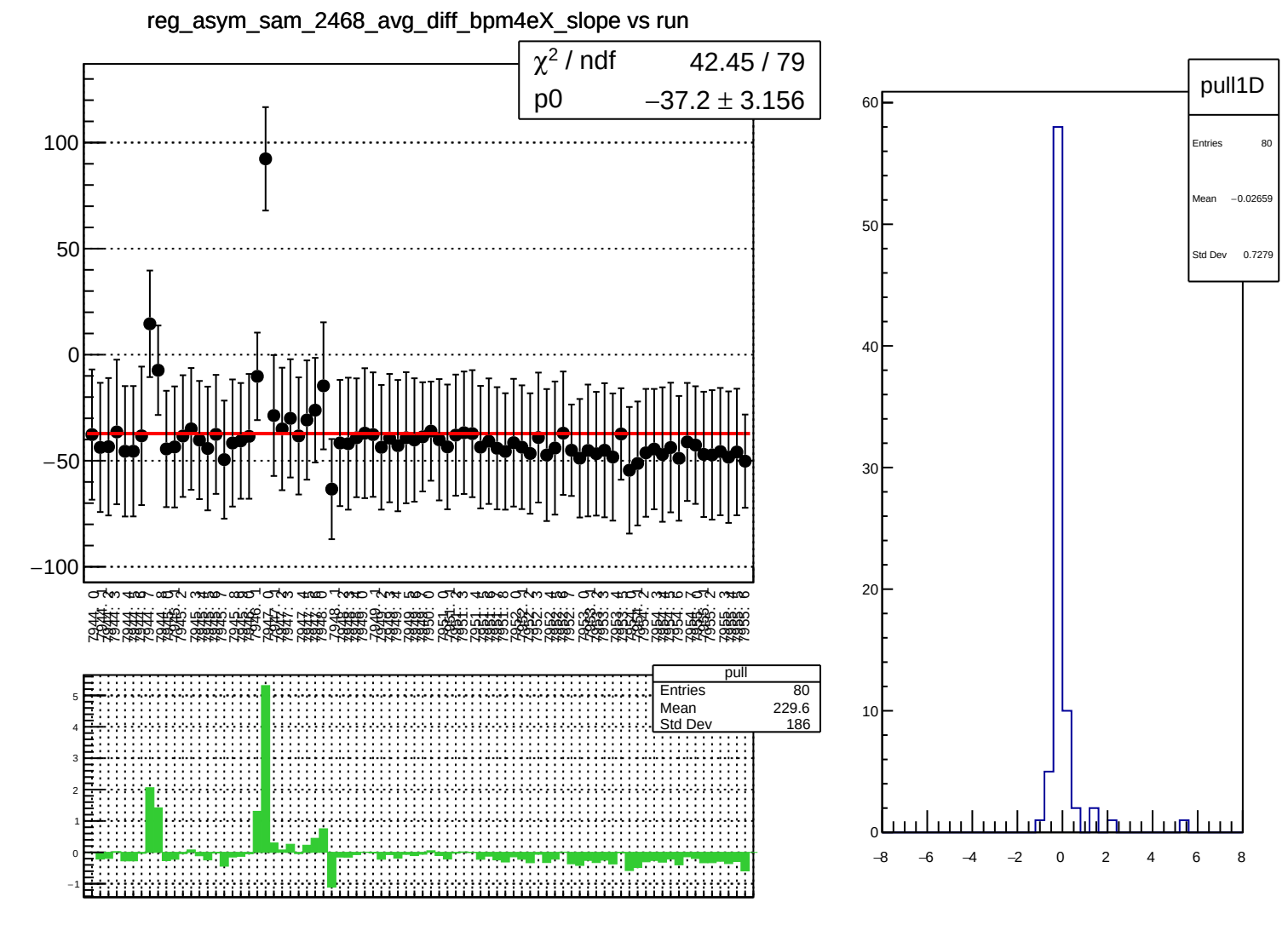

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.18 / 79
p0 8.854 ± 2.017
pull
Entries 80
Mean 326.7
Std Dev 288.2
pull1D
Entries 80
Mean 0.0105
Std Dev 0.4208

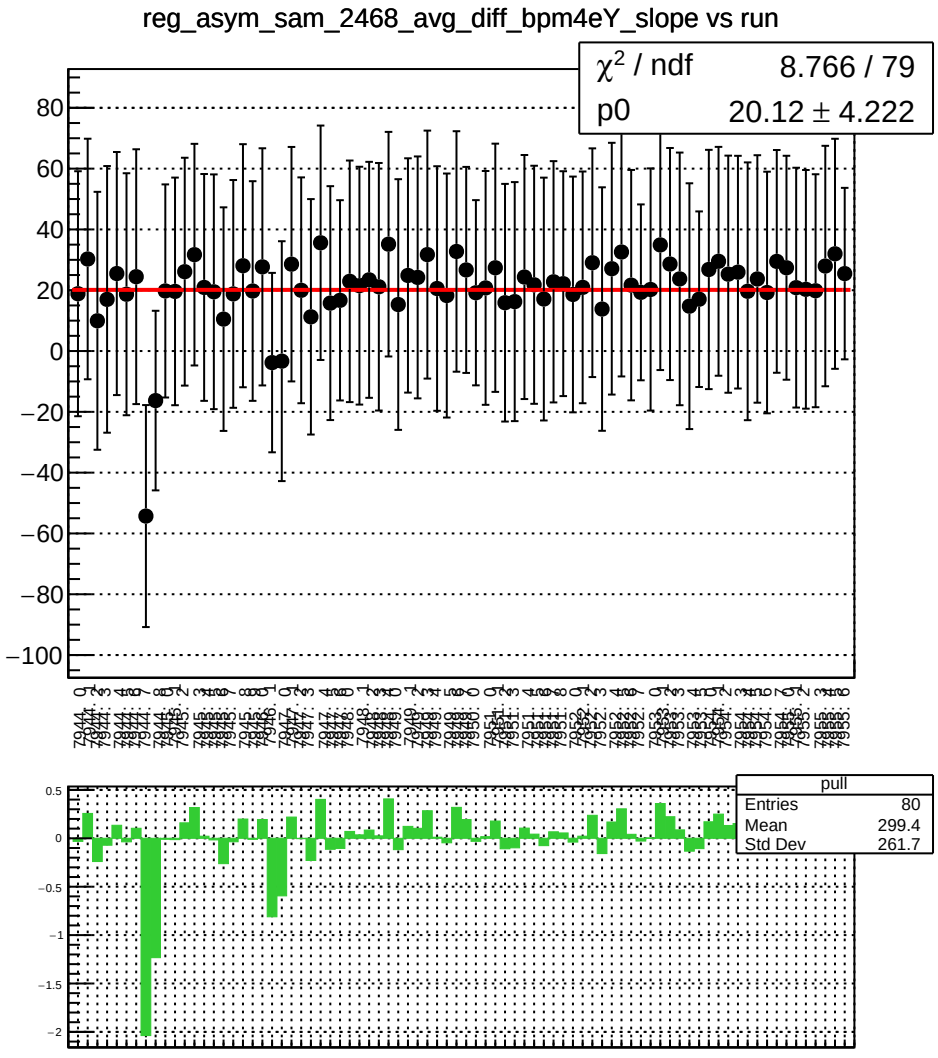

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 21.12 / 79
p0 −0.5419 ± 0.05685
pull
Entries 80
Mean −934.9
Std Dev 975.8

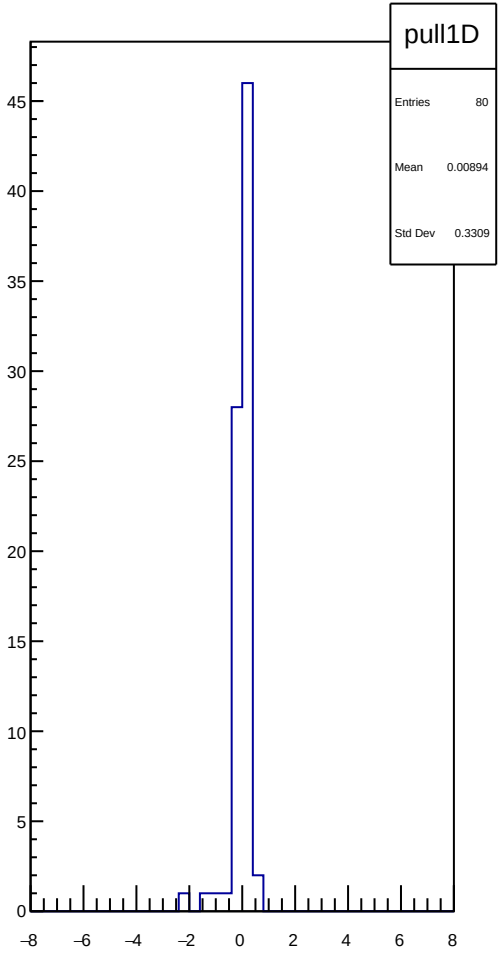

pull1D
Entries 80
Mean −0.007417
Std Dev 0.5137

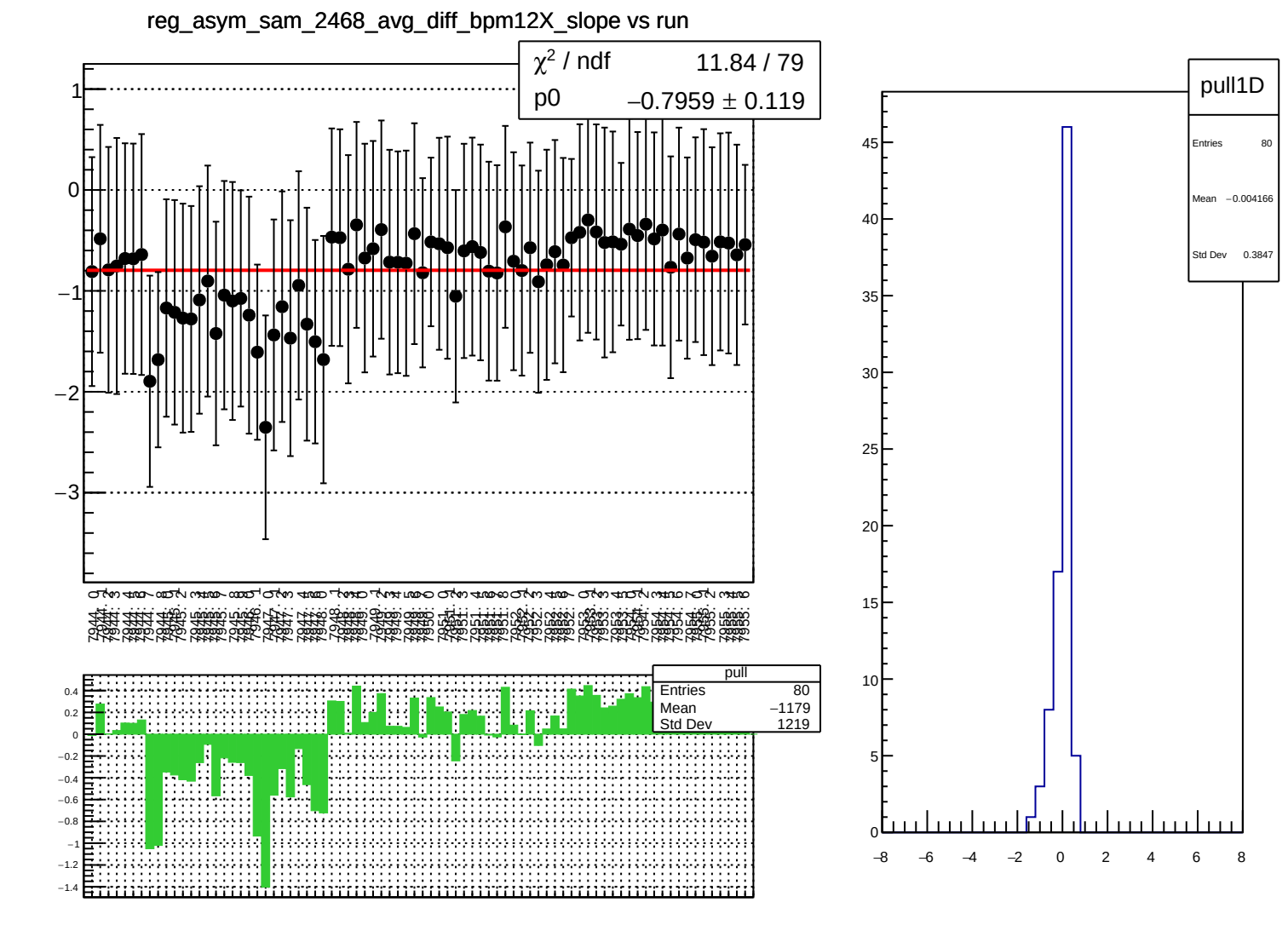

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 38.62 / 79
p0 −60.62 ± 3.557
pull
Entries 80
Mean 281.8
Std Dev 238.3
pull1D
Entries 80
Mean 0.0221
Std Dev 0.6944

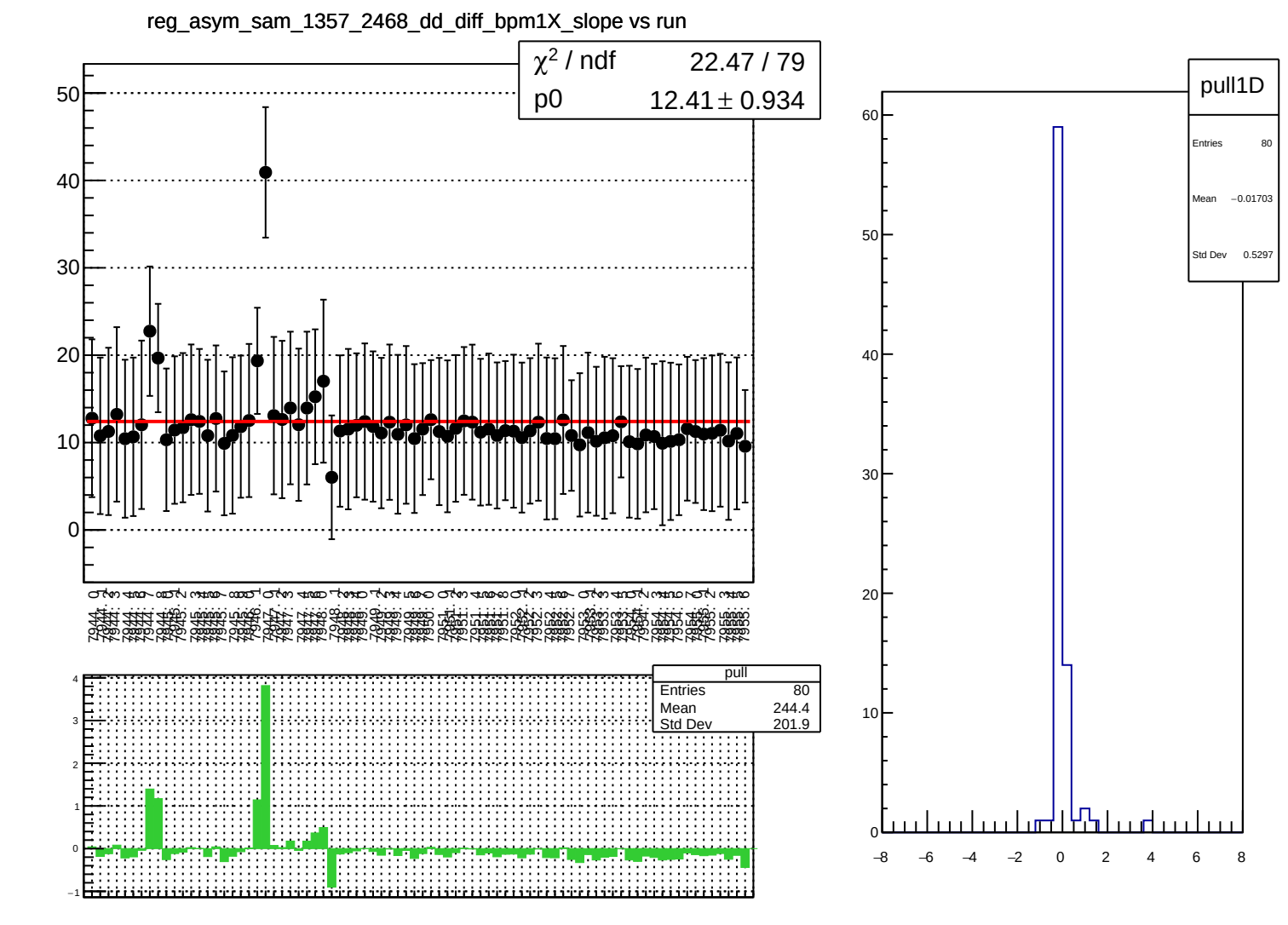

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.351 / 79
p0 18.99 ± 3.673
pull
Entries 80
Mean 249.7
Std Dev 214.5
pull1D
Entries 80
Mean −0.008684
Std Dev 0.323

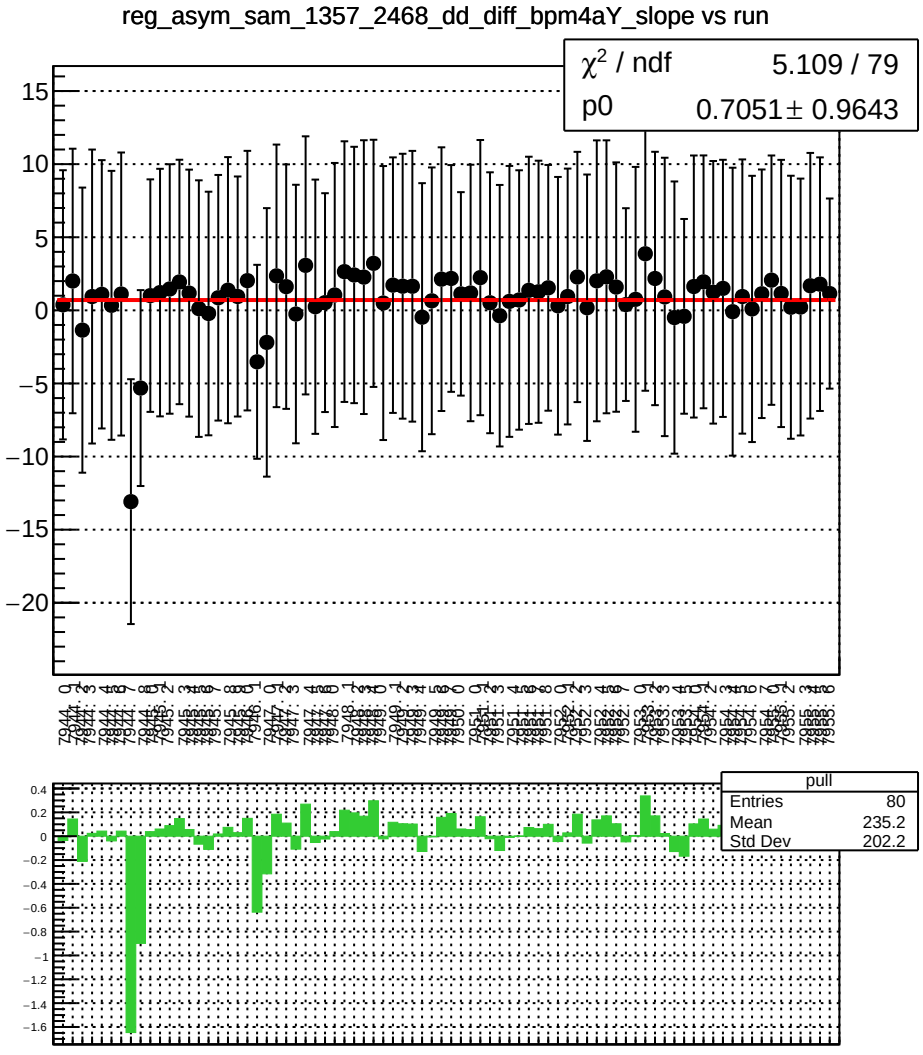

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.45 / 79
p0 −37.2 ± 3.156
pull
Entries 80
Mean 229.6
Std Dev 186
pull1D
Entries 80
Mean −0.02659
Std Dev 0.7279

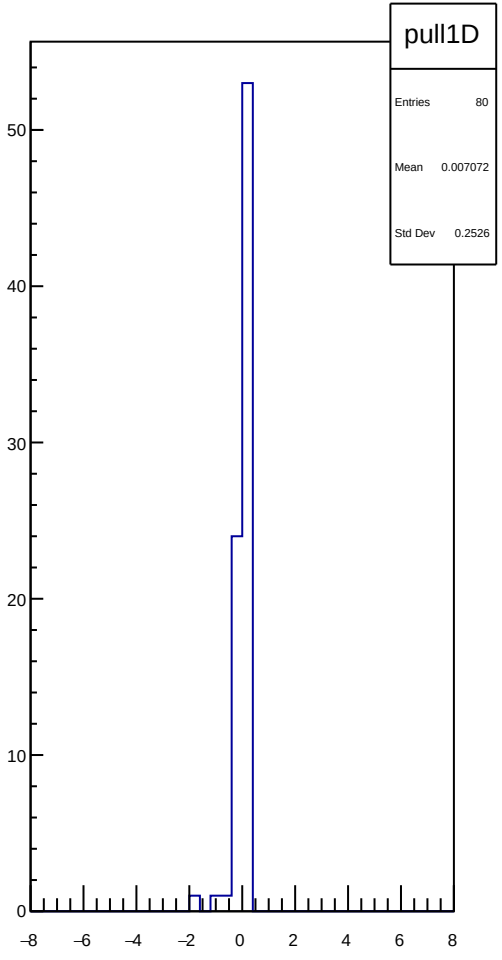

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.766 / 79
p0 20.12 ± 4.222
pull
Entries 80
Mean 299.4
Std Dev 261.7

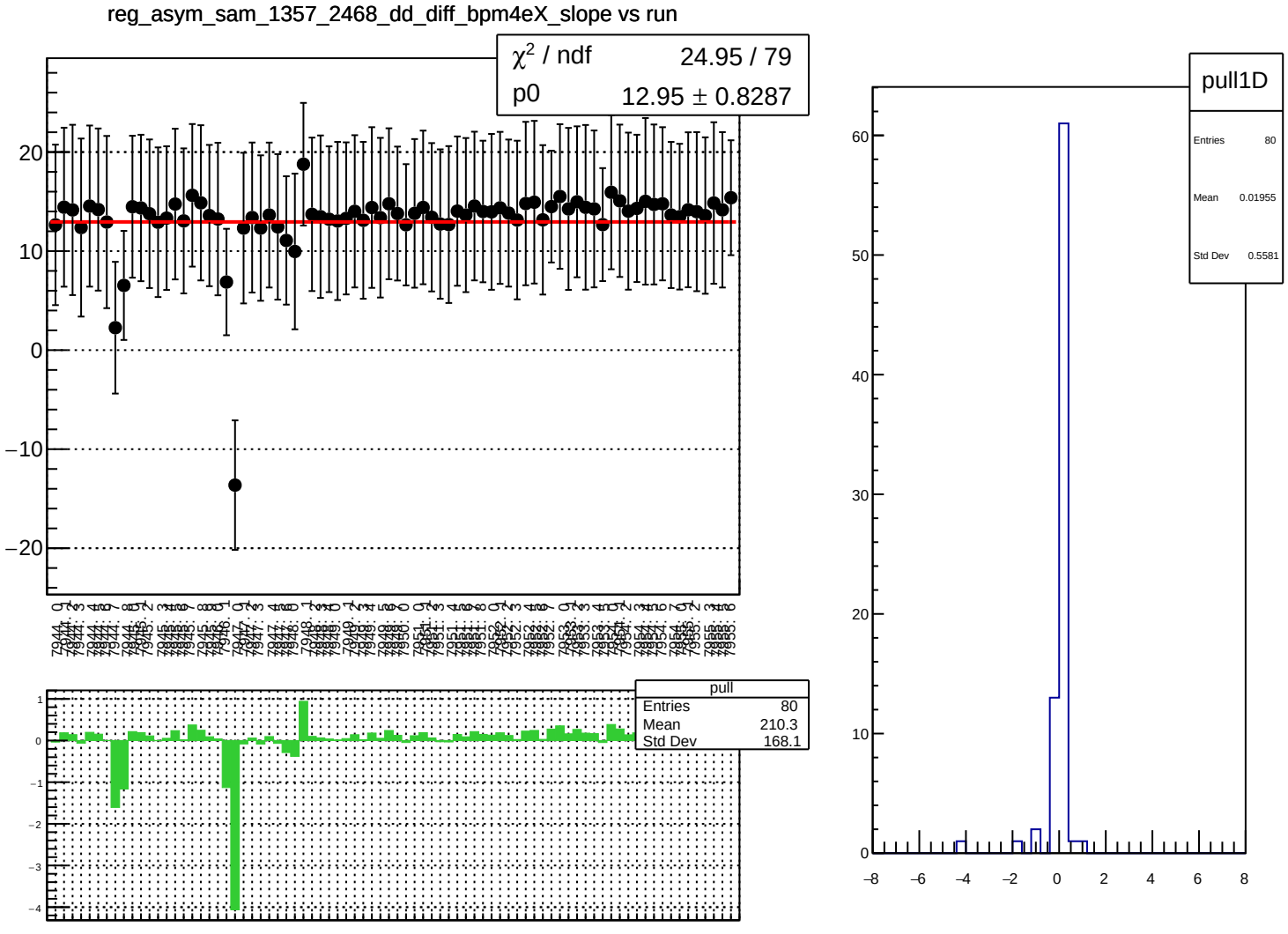

pull1D
Entries 80
Mean 0.00894
Std Dev 0.3309

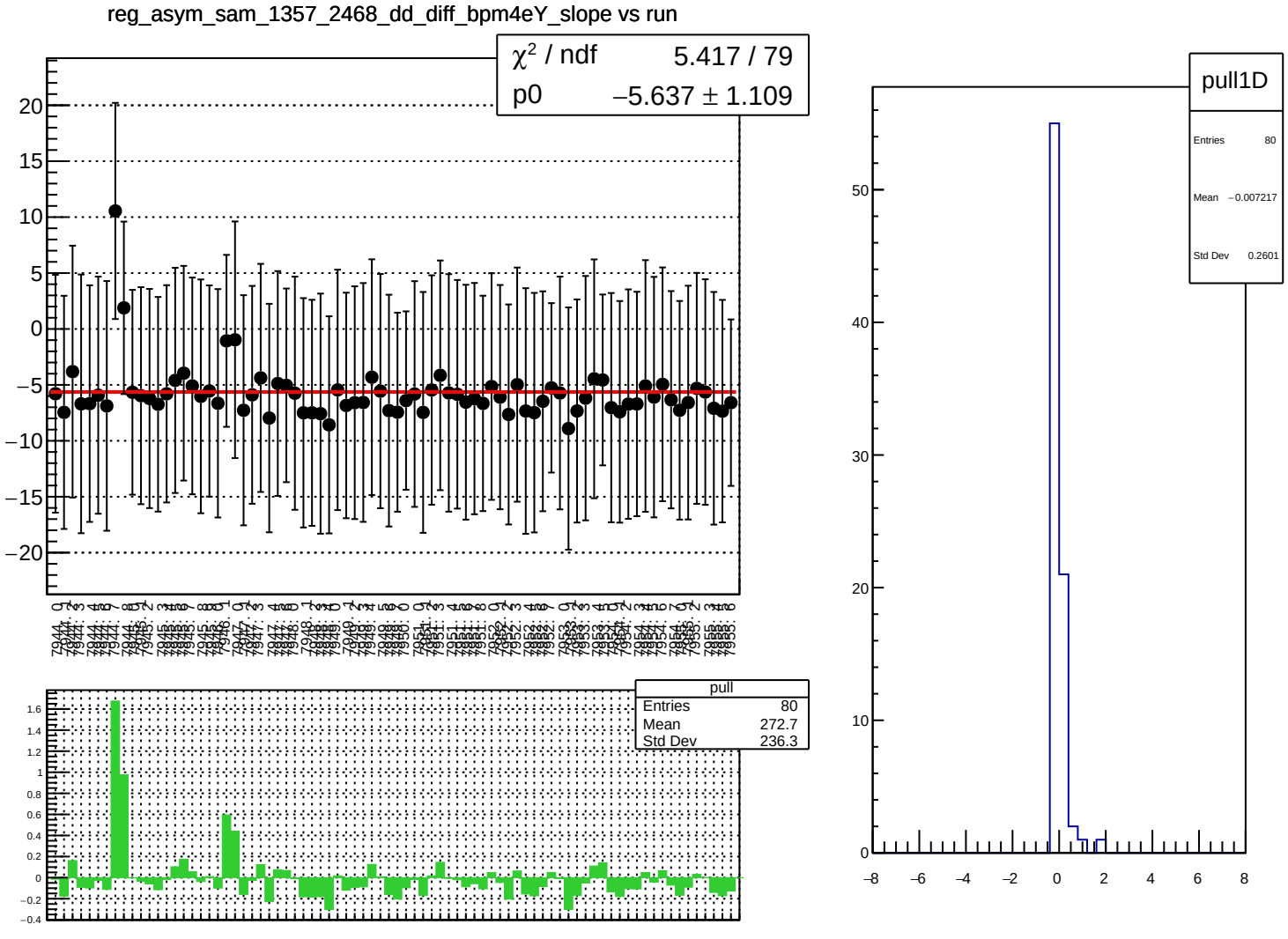

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 11.84 / 79
p0 −0.7959 ± 0.119
pull
Entries 80
Mean −1179
Std Dev 1219
pull1D
Entries 80
Mean −0.004166
Std Dev 0.3847

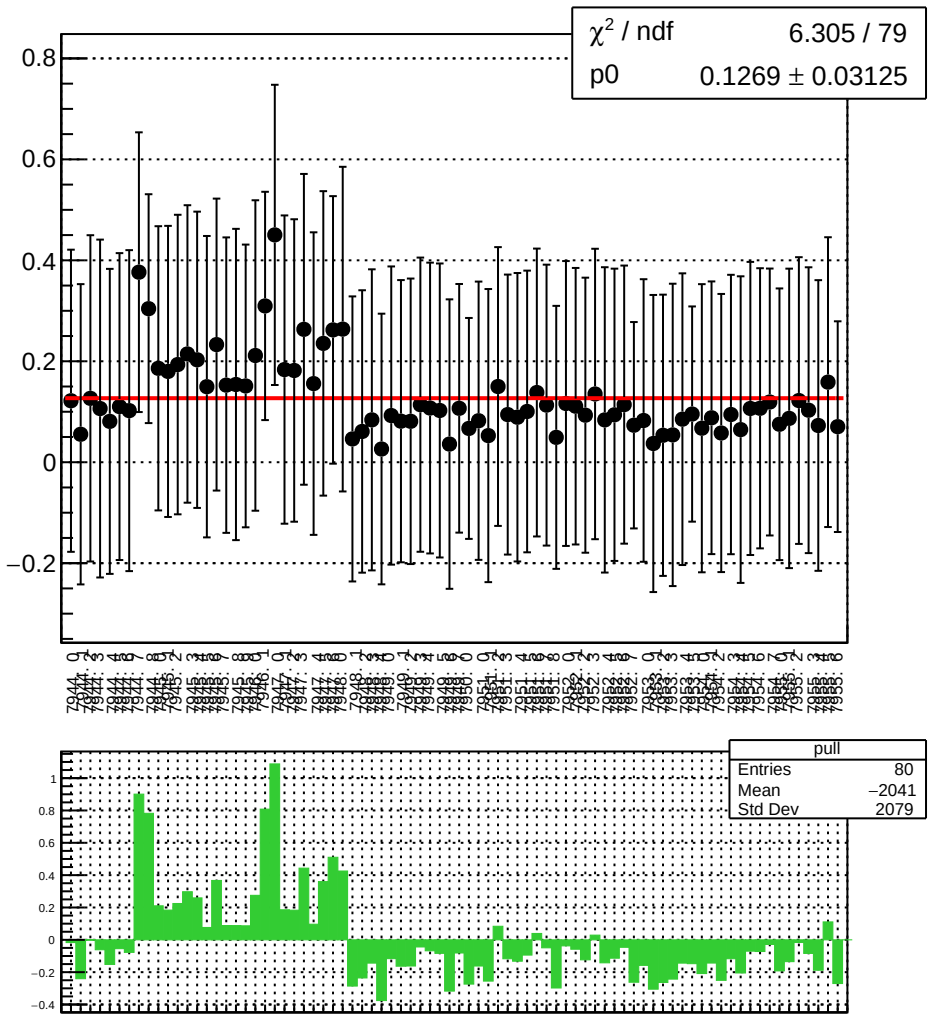

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 22.47 / 79
p0 12.41 ± 0.934
pull
Entries 80
Mean 244.4
Std Dev 201.9
pull1D
Entries 80
Mean −0.01703
Std Dev 0.5297

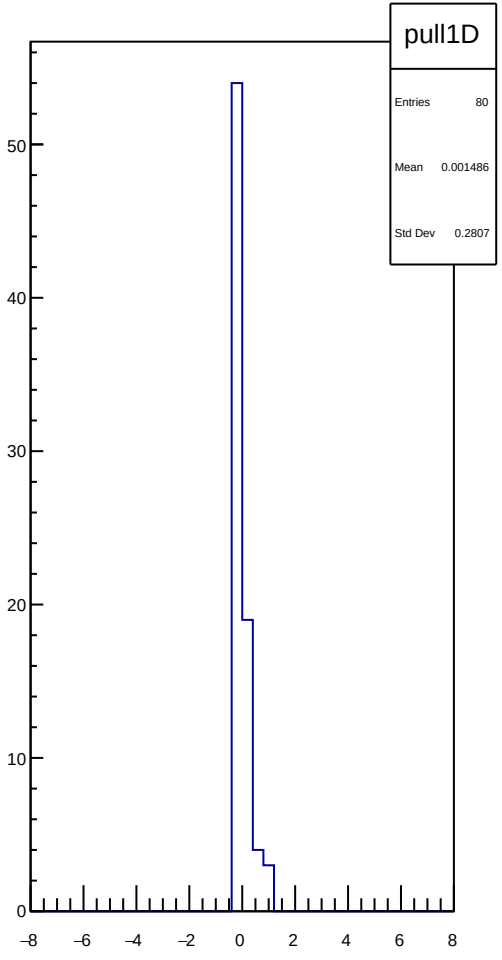

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.109 / 79
p0 0.7051 ± 0.9643
pull
Entries 80
Mean 235.2
Std Dev 202.2

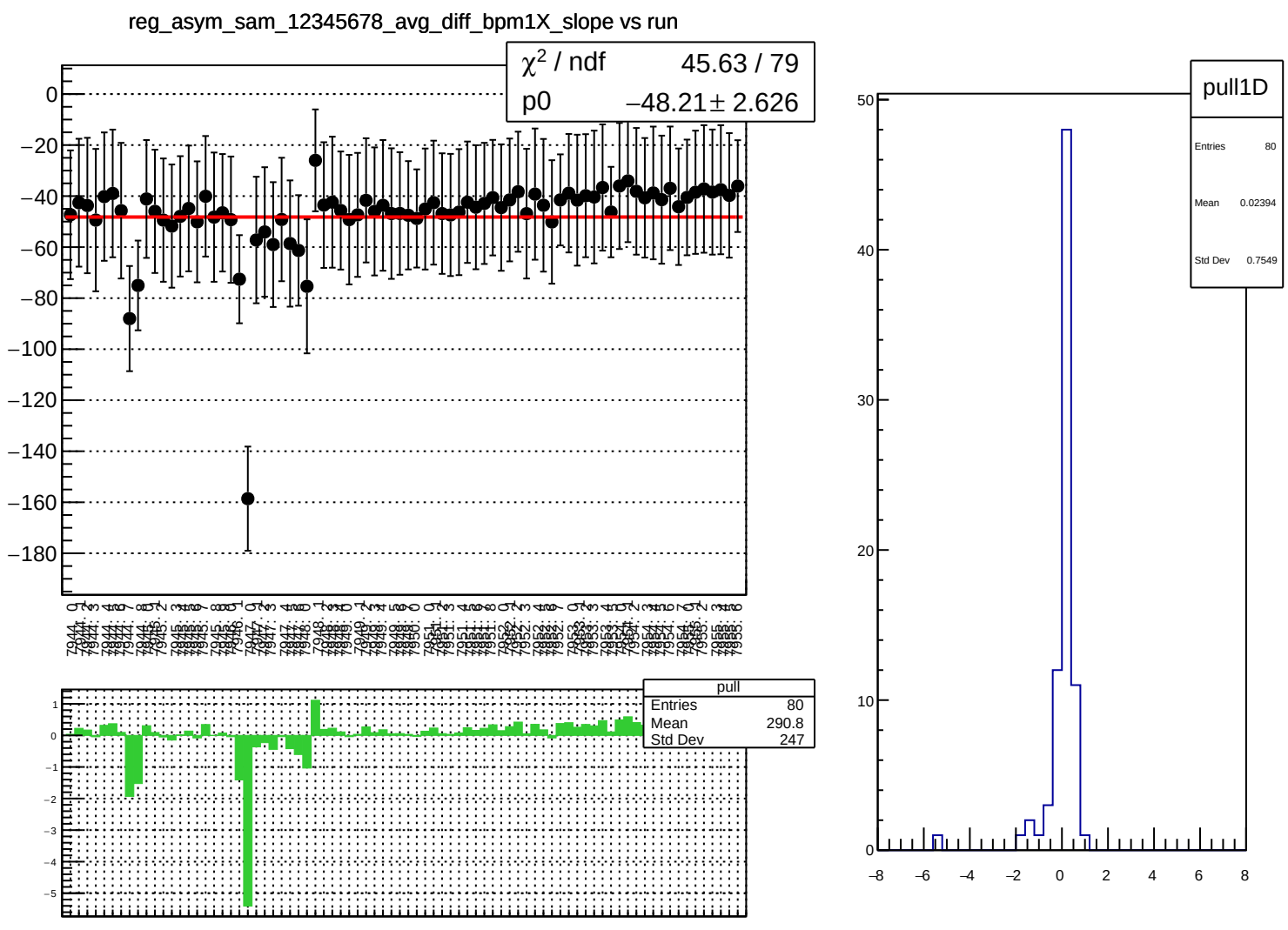

pull1D
Entries 80
Mean 0.007072
Std Dev 0.2526

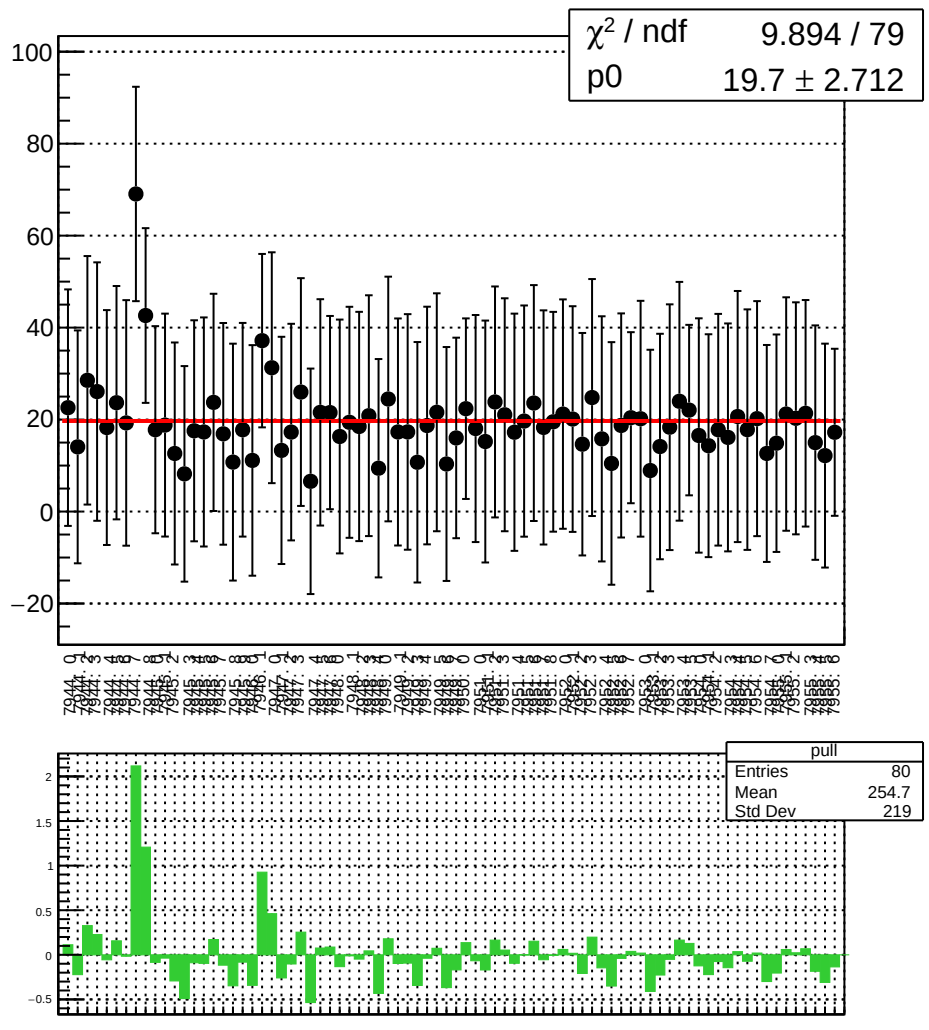

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.95 / 79
p0 12.95 ± 0.8287
pull
Entries 80
Mean 210.3
Std Dev 168.1
pull1D
Entries 80
Mean 0.01955
Std Dev 0.5581

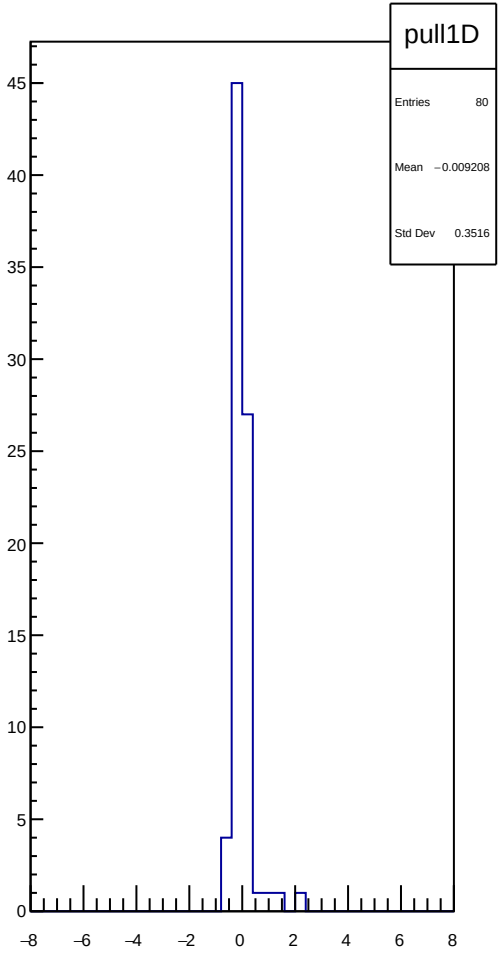

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.417 / 79
p0 −5.637 ± 1.109
pull
Entries 80
Mean 272.7
Std Dev 236.3
pull1D
Entries 80
Mean −0.007217
Std Dev 0.2601

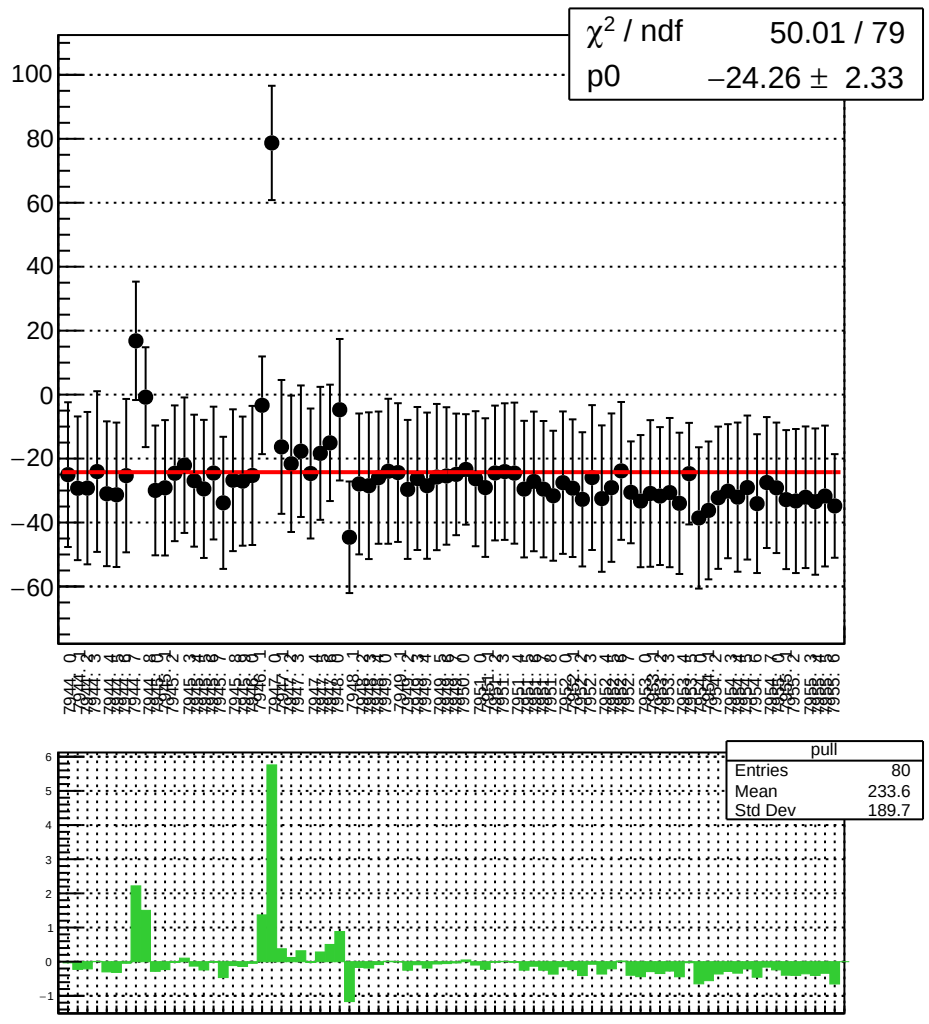

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 6.305 / 79
p0 0.1269 ± 0.03125
pull
Entries 80
Mean −2041
Std Dev 2079

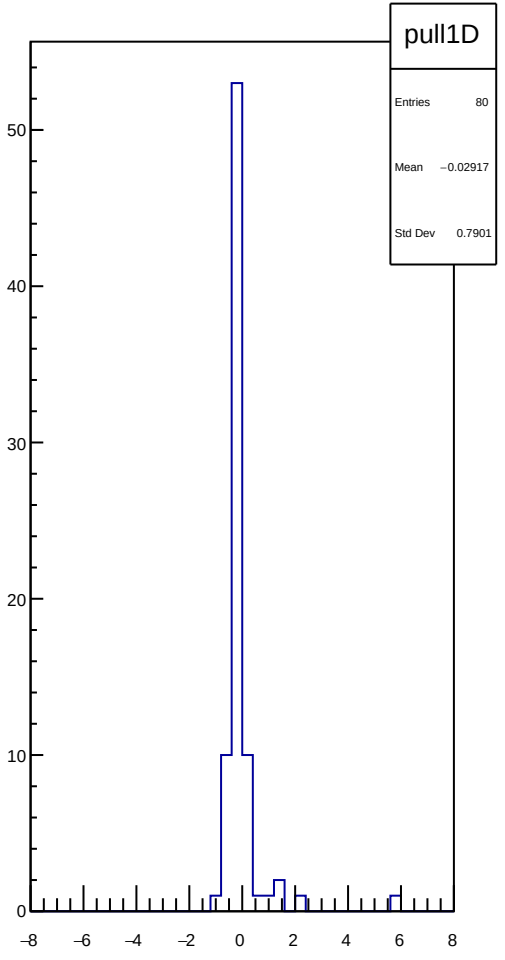

pull1D
Entries 80
Mean 0.001486
Std Dev 0.2807

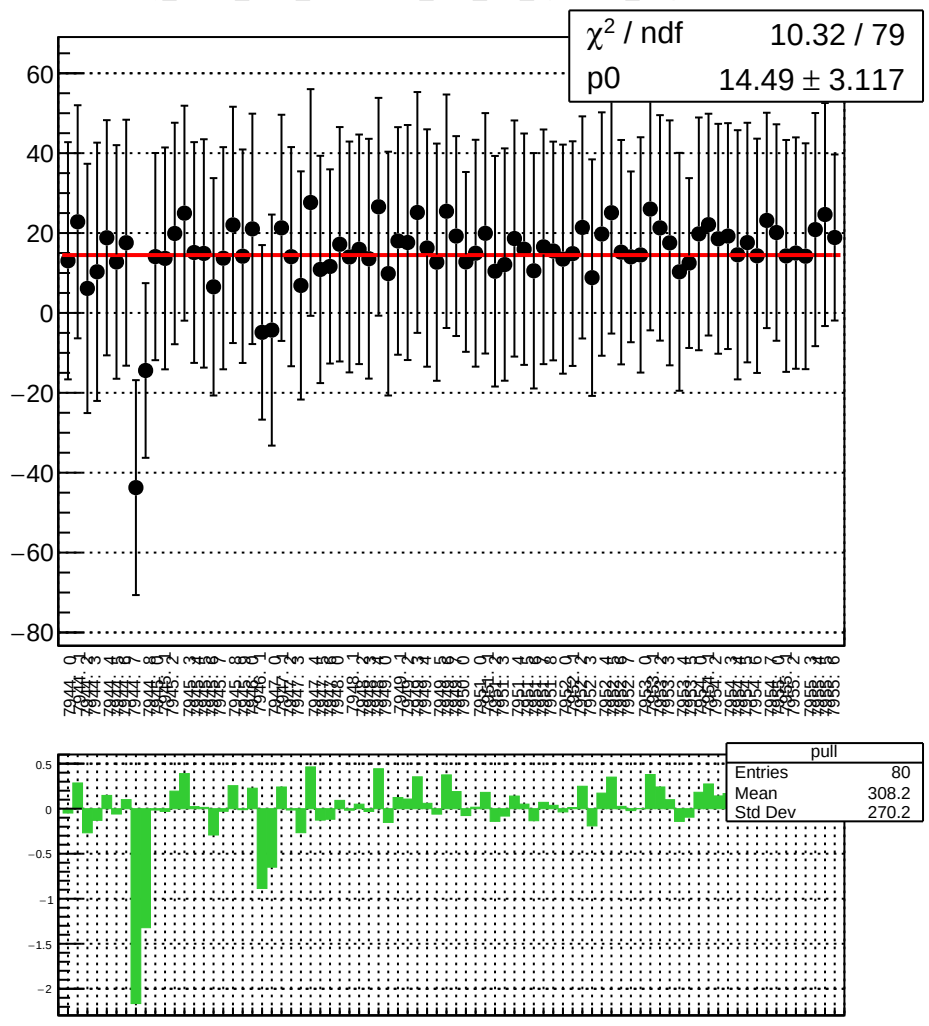

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 45.63 / 79
p0 −48.21 ± 2.626
pull
Entries 80
Mean 290.8
Std Dev 247
pull1D
Entries 80
Mean 0.02394
Std Dev 0.7549

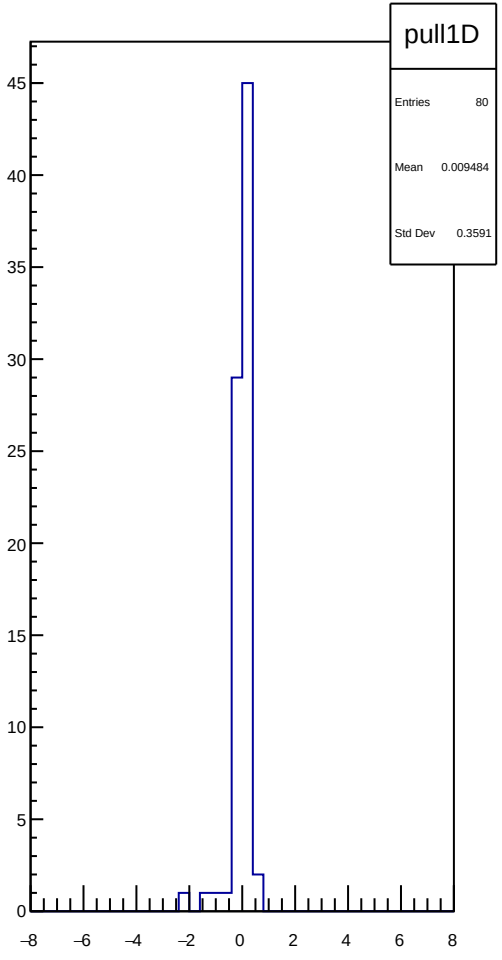

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.894 / 79
p0 19.7 ± 2.712
pull
Entries 80
Mean 254.7
Std Dev 219

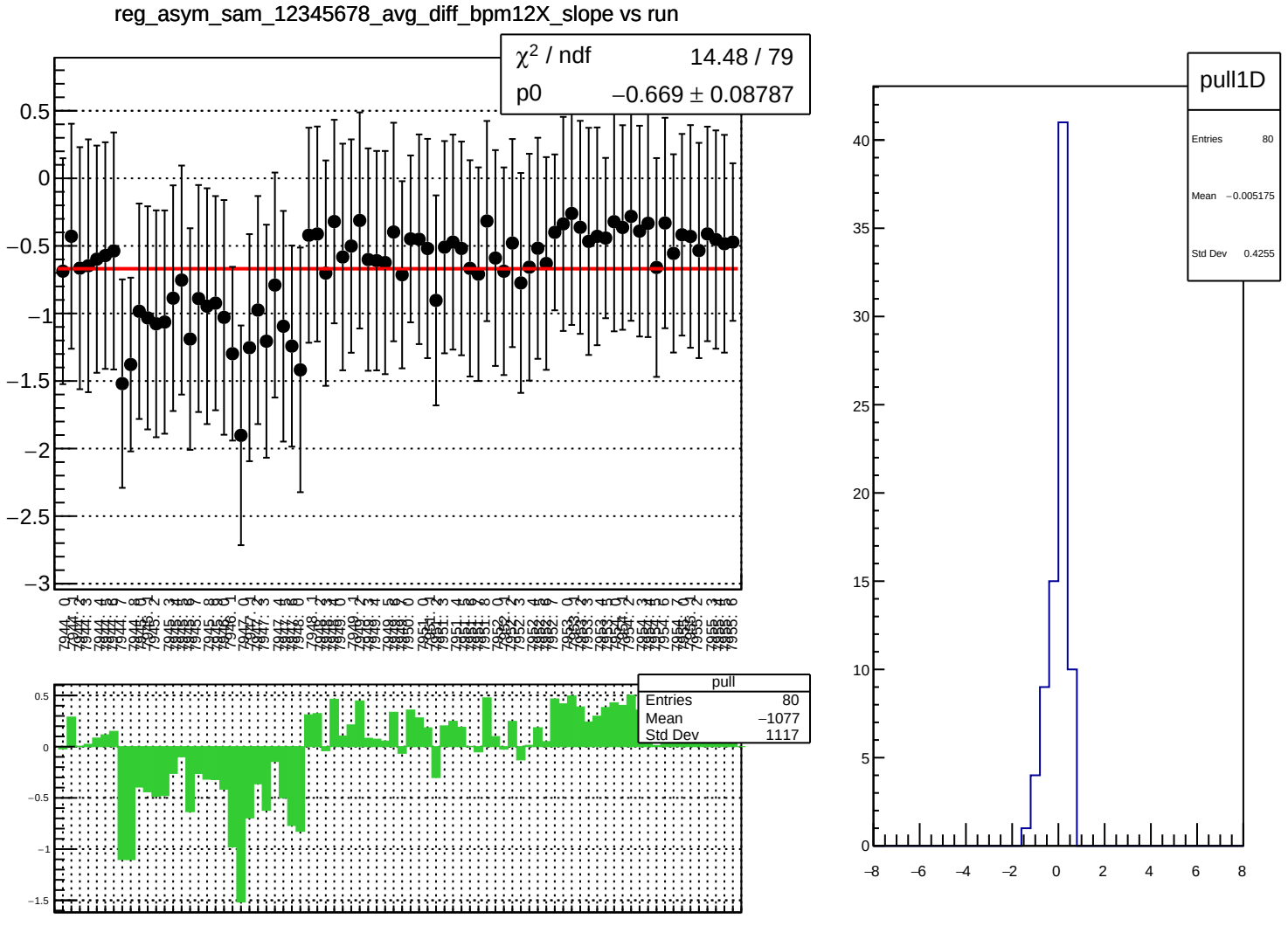

pull1D
Entries 80
Mean −0.009208
Std Dev 0.3516

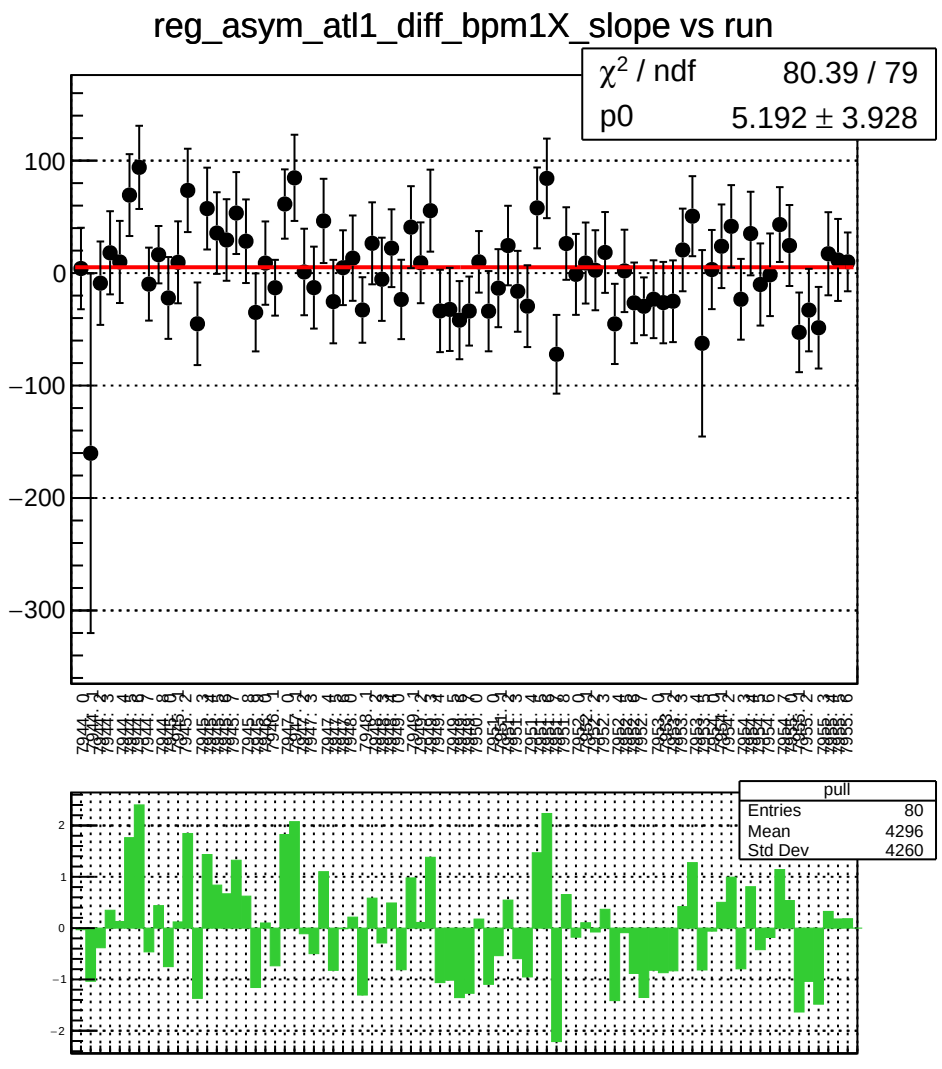

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.01 / 79
p0 −24.26 ± 2.33
pull
Entries 80
Mean 233.6
Std Dev 189.7

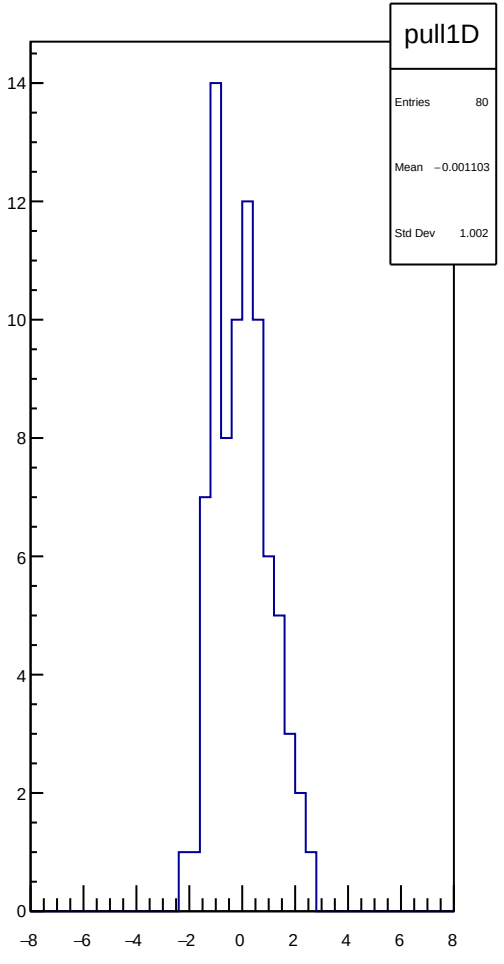

pull1D
Entries 80
Mean −0.02917
Std Dev 0.7901

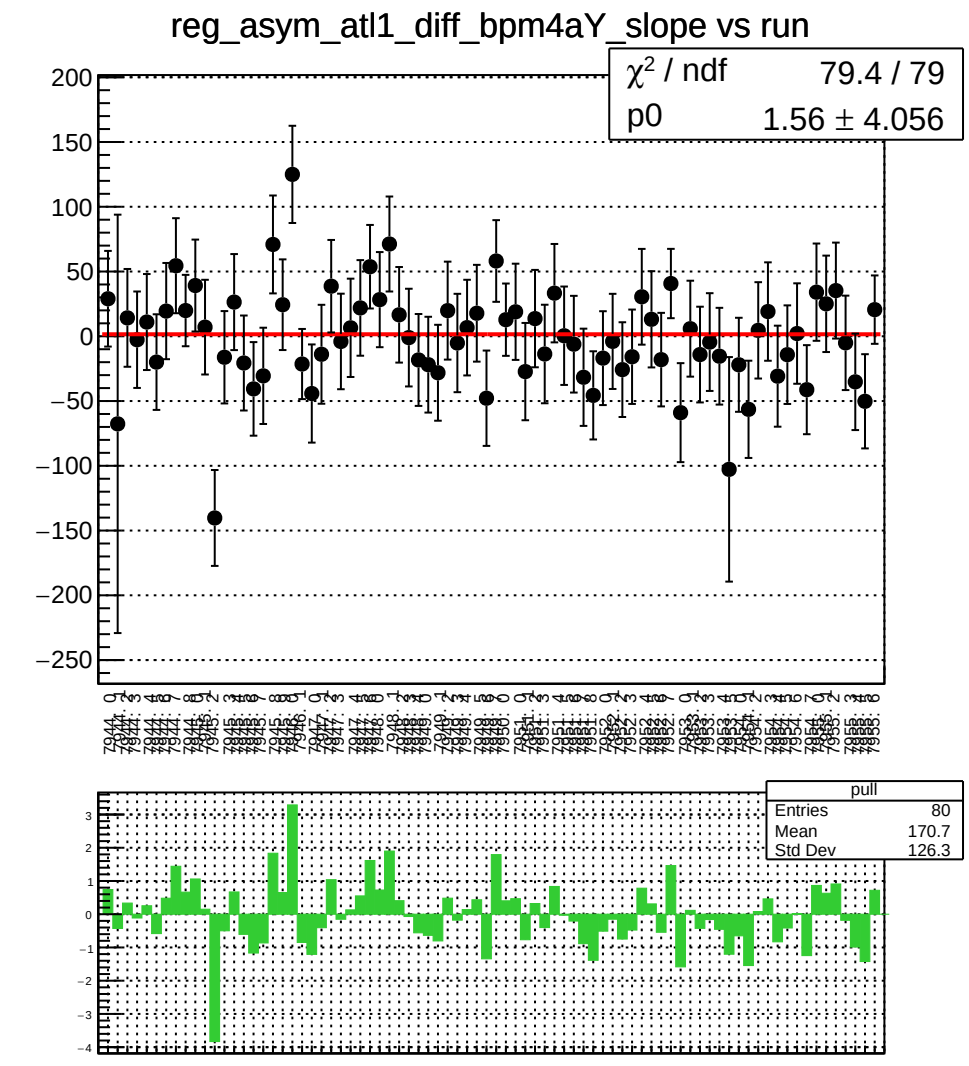

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.32 / 79
p0 14.49 ± 3.117
pull
Entries 80
Mean 308.2
Std Dev 270.2

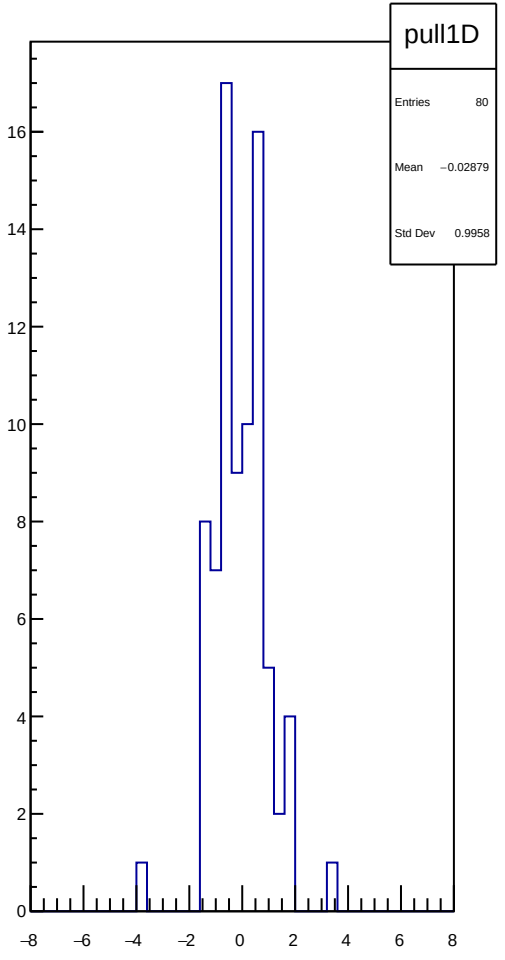

pull1D
Entries 80
Mean 0.009484
Std Dev 0.3591

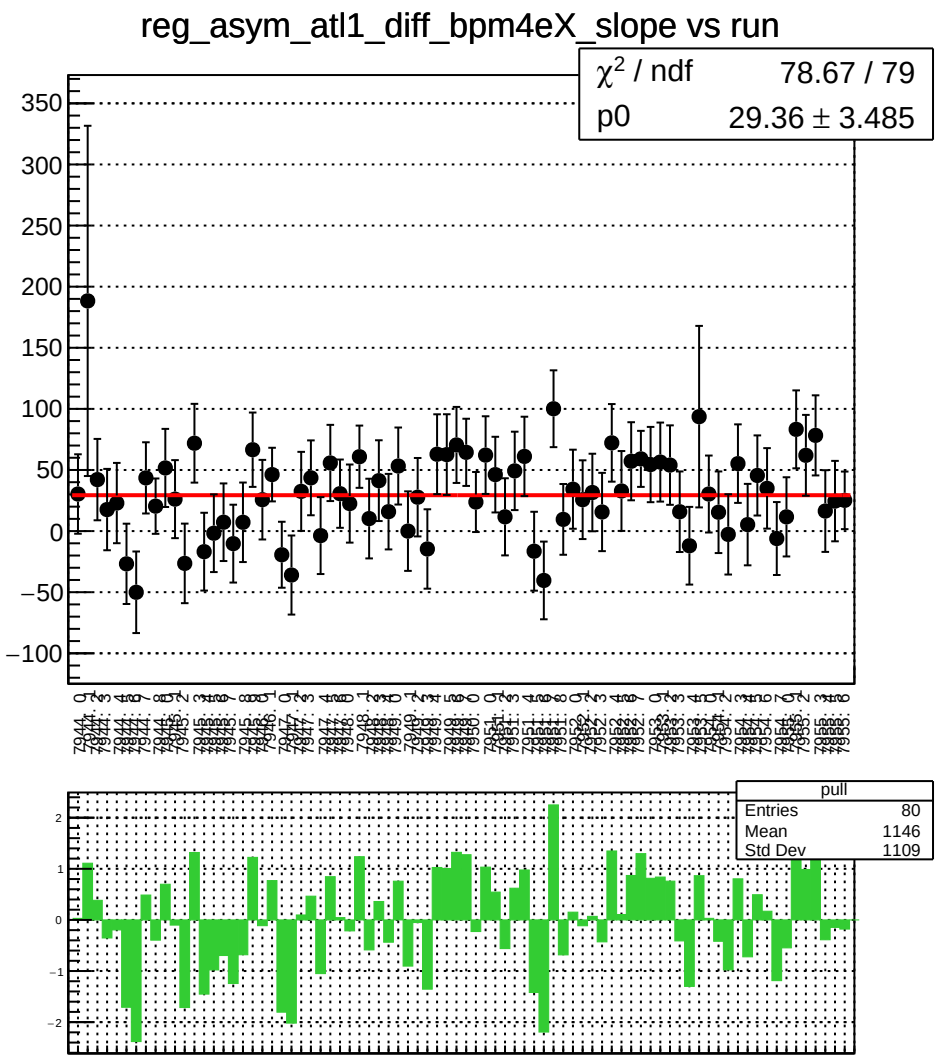

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 14.48 / 79
p0 −0.669 ± 0.08787
pull
Entries 80
Mean −1077
Std Dev 1117
pull1D
Entries 80
Mean −0.005175
Std Dev 0.4255

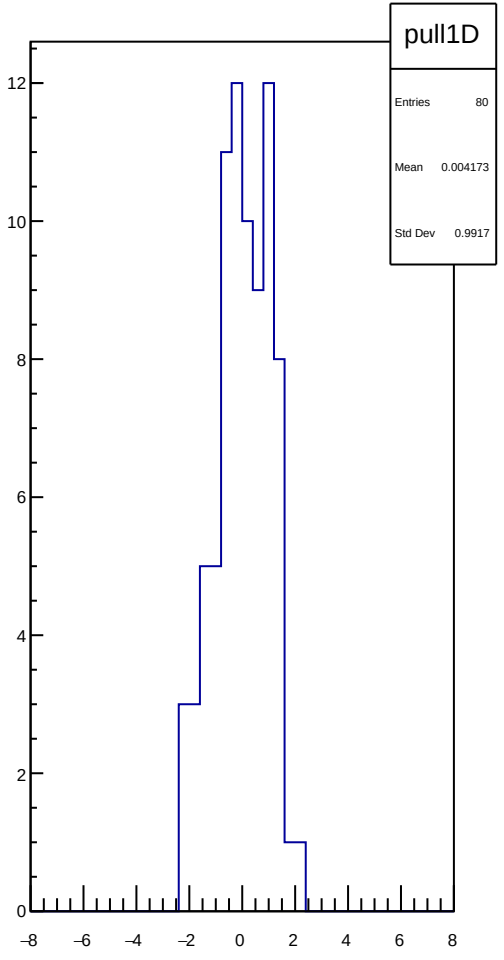

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 80.39 / 79
p0 5.192 ± 3.928
100
0
−100
−200
−300
pull
Entries 80
Mean 4296
Std Dev 4260
2
1
0
−1
−2

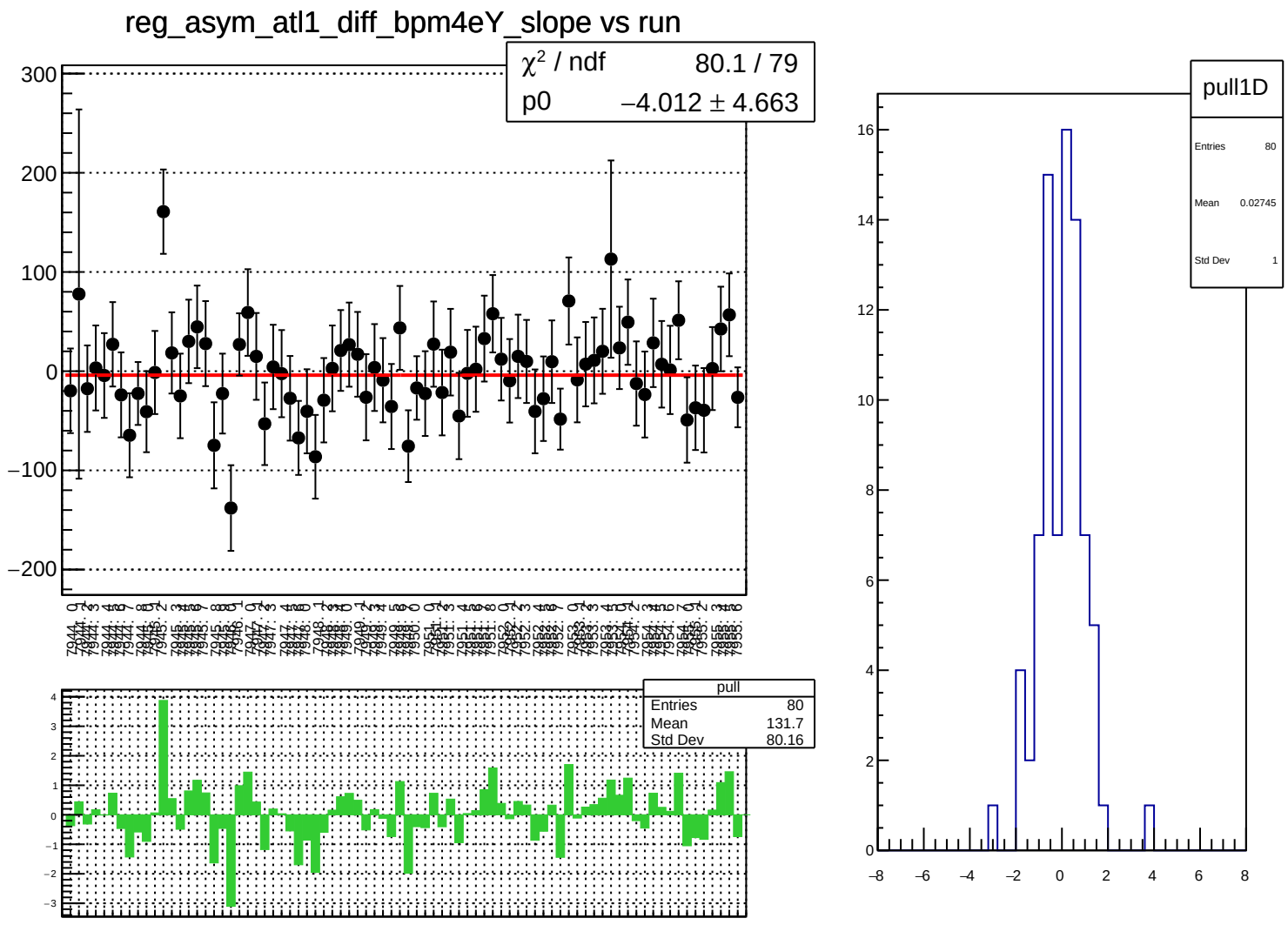

pull1D
Entries 80
Mean −0.001103
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

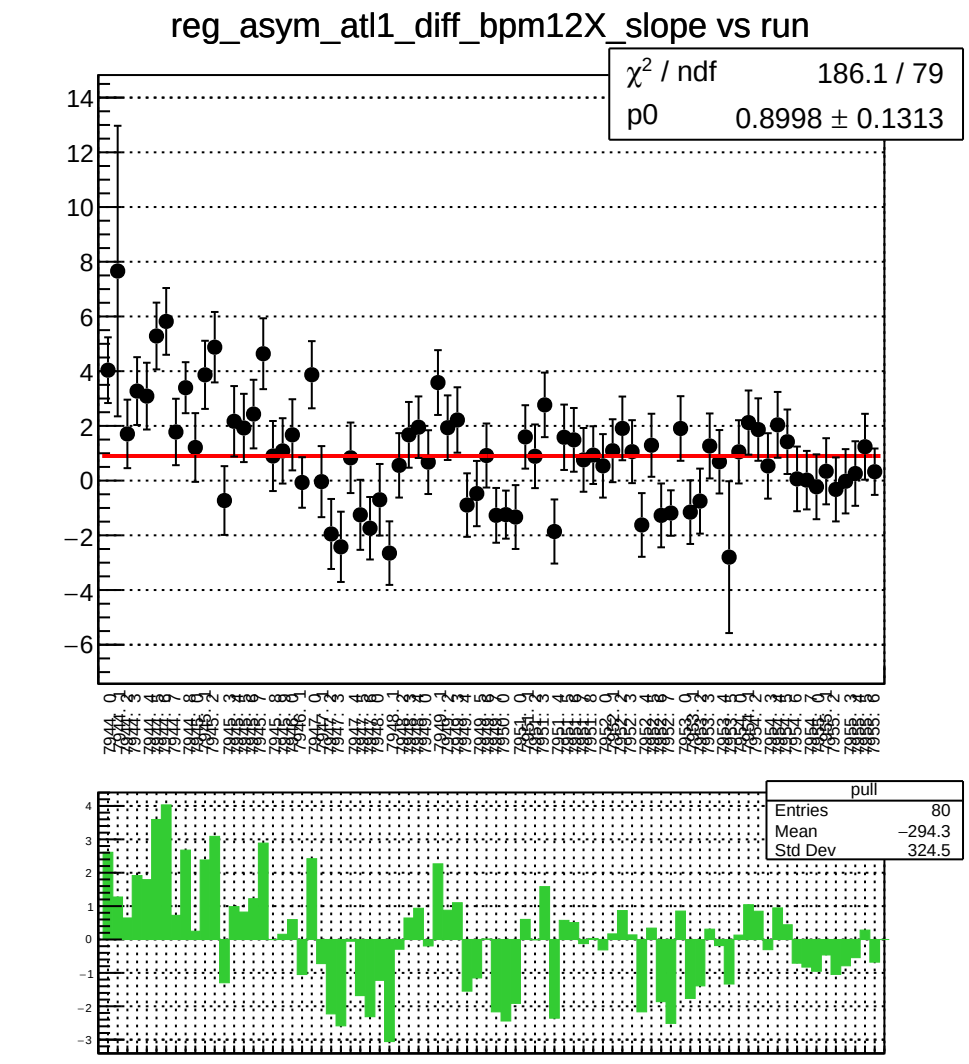

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 79.4 / 79
p0 1.56 ± 4.056
pull
Entries 80
Mean 170.7
Std Dev 126.3

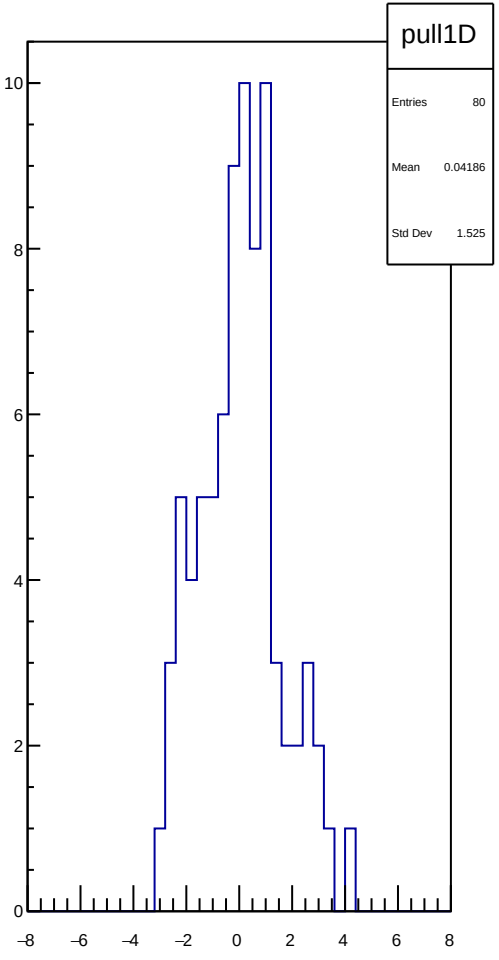

pull1D
Entries 80
Mean −0.02879
Std Dev 0.9958

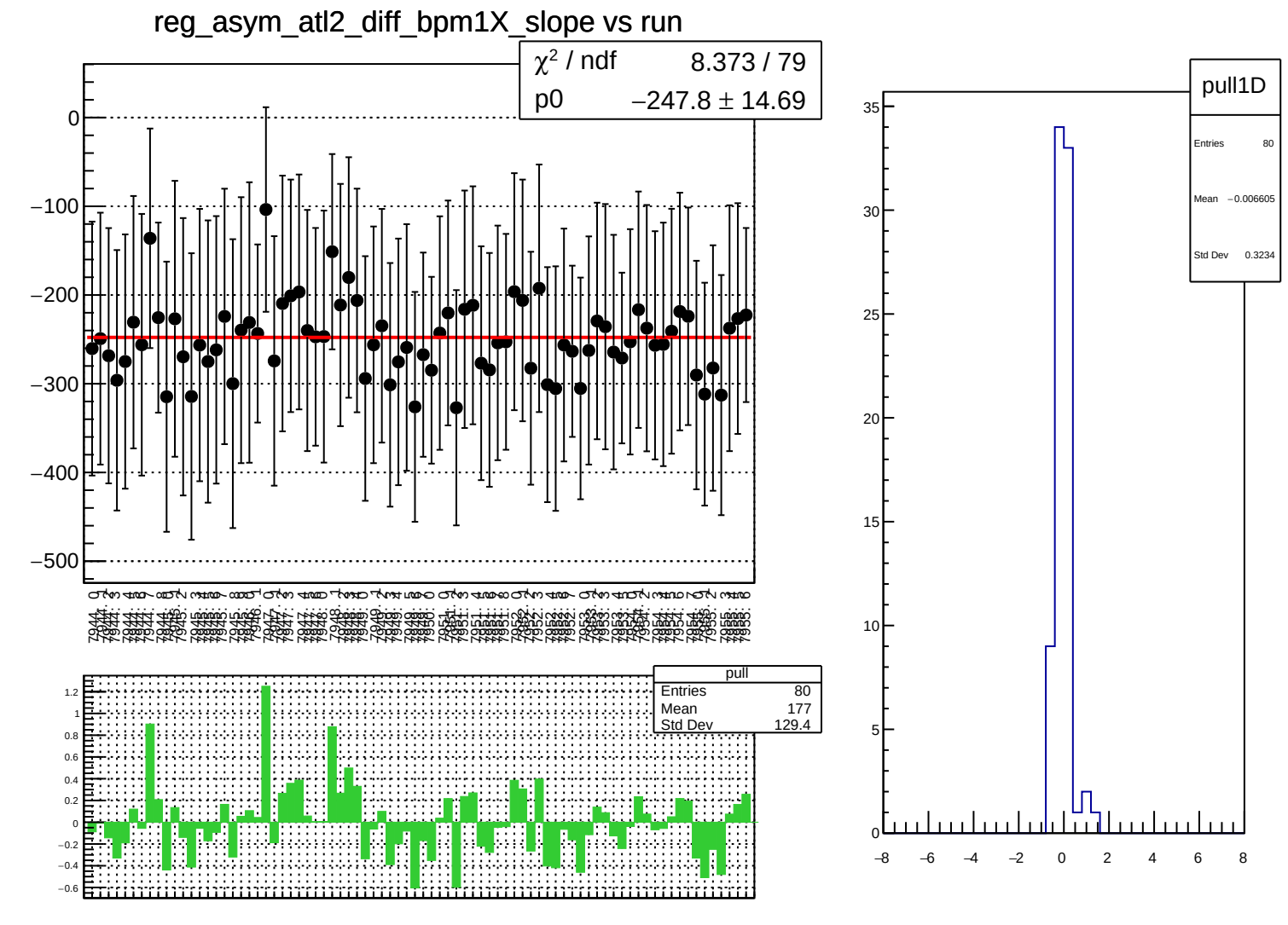

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 78.67 / 79
p0 29.36 ± 3.485
pull
Entries 80
Mean 1146
Std Dev 1109

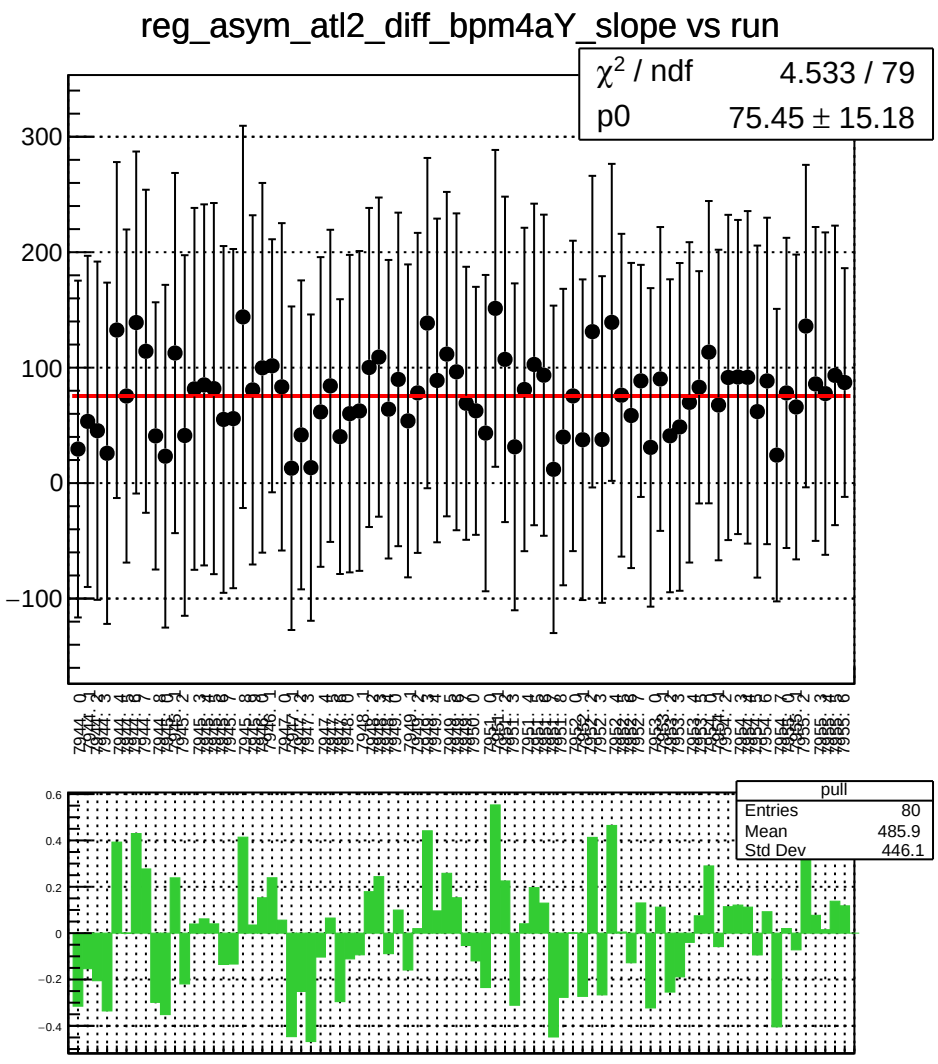

pull1D
Entries 80
Mean 0.004173
Std Dev 0.9917

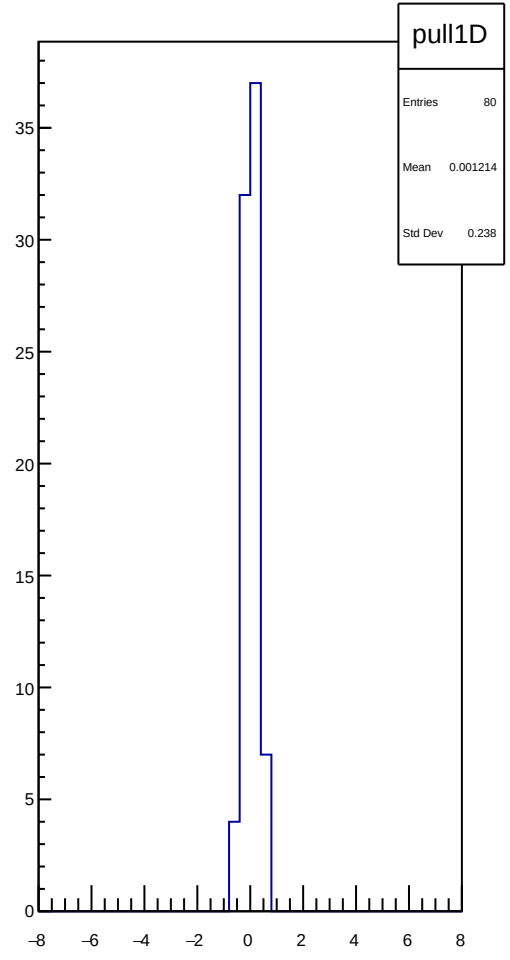

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 80.1 / 79
p0 −4.012 ± 4.663
pull
Entries 80
Mean 131.7
Std Dev 80.16
pull1D
Entries 80
Mean 0.02745
Std Dev 1

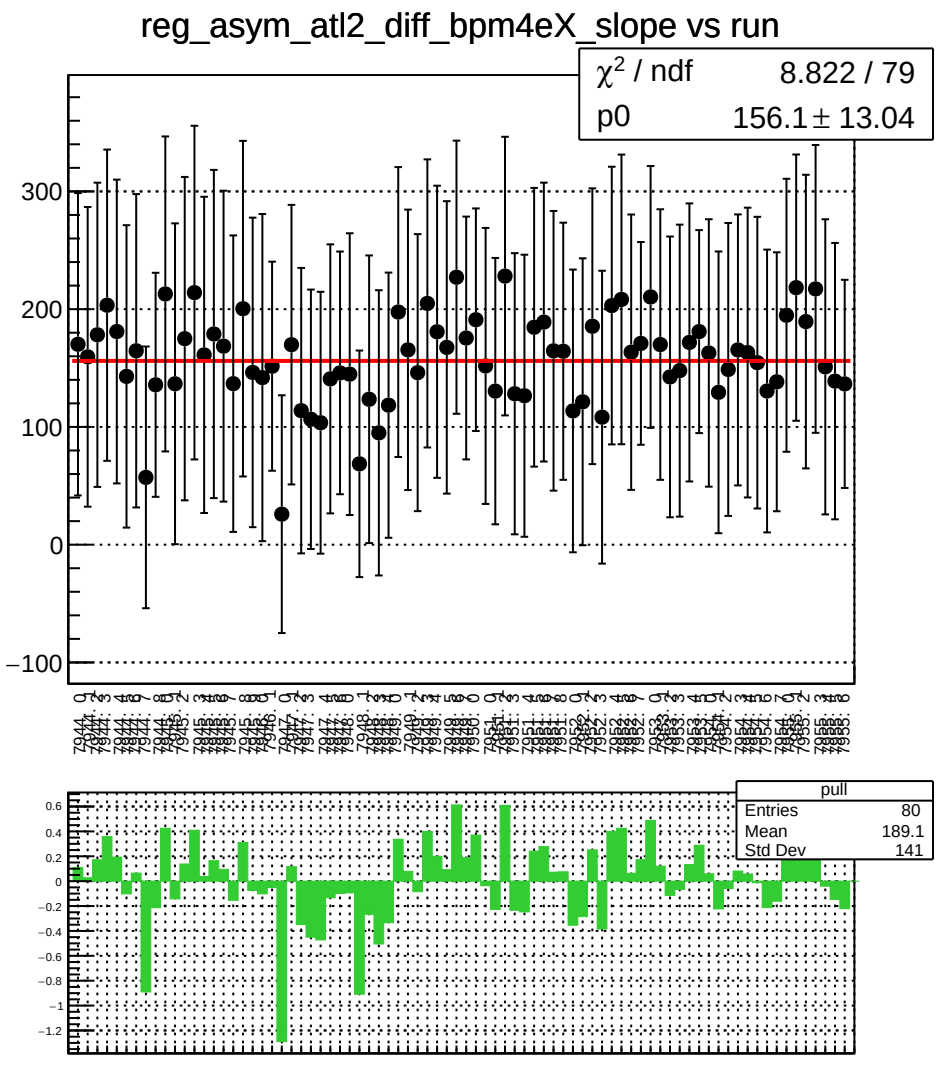

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 186.1 / 79
p0 0.8998 ± 0.1313
pull
Entries 80
Mean −294.3
Std Dev 324.5

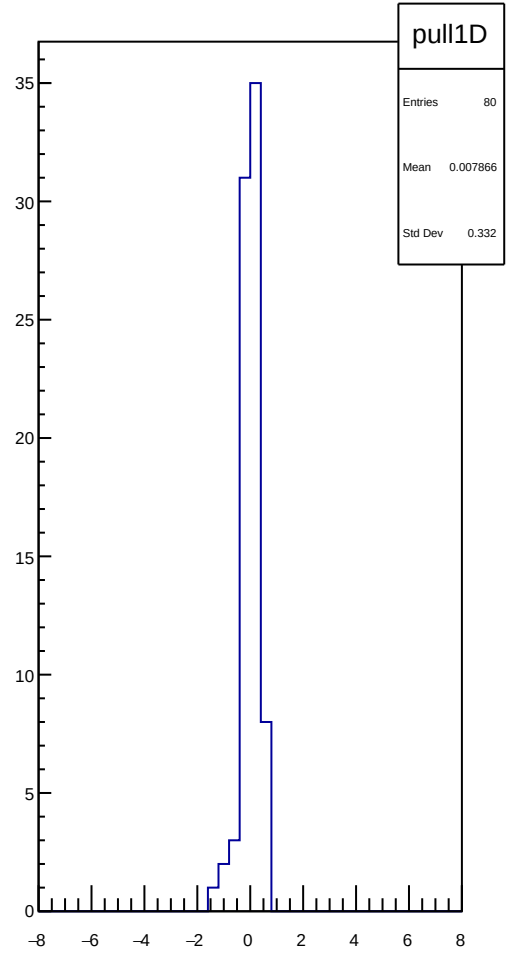

pull1D
Entries 80
Mean 0.04186
Std Dev 1.525

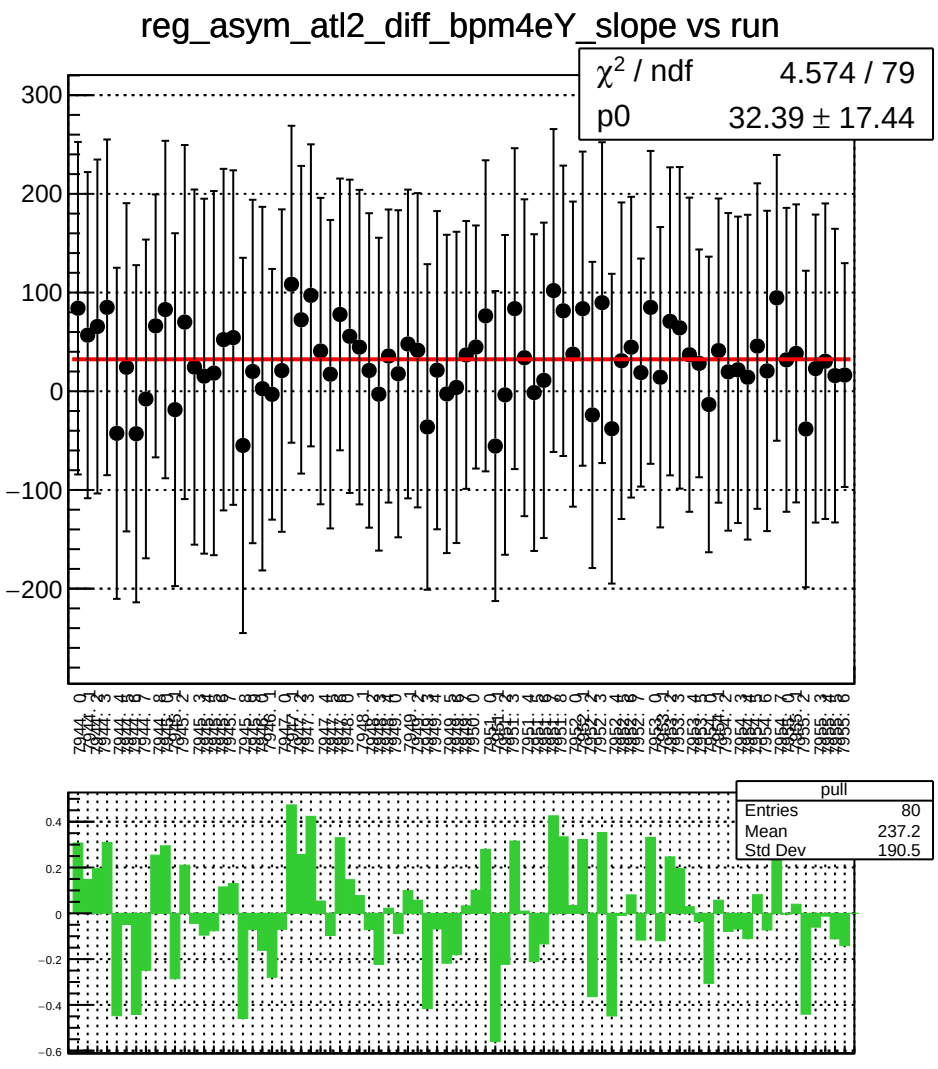

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 8.373 / 79
p0 −247.8 ± 14.69
pull
Entries 80
Mean 177
Std Dev 129.4
pull1D
Entries 80
Mean −0.006605
Std Dev 0.3234

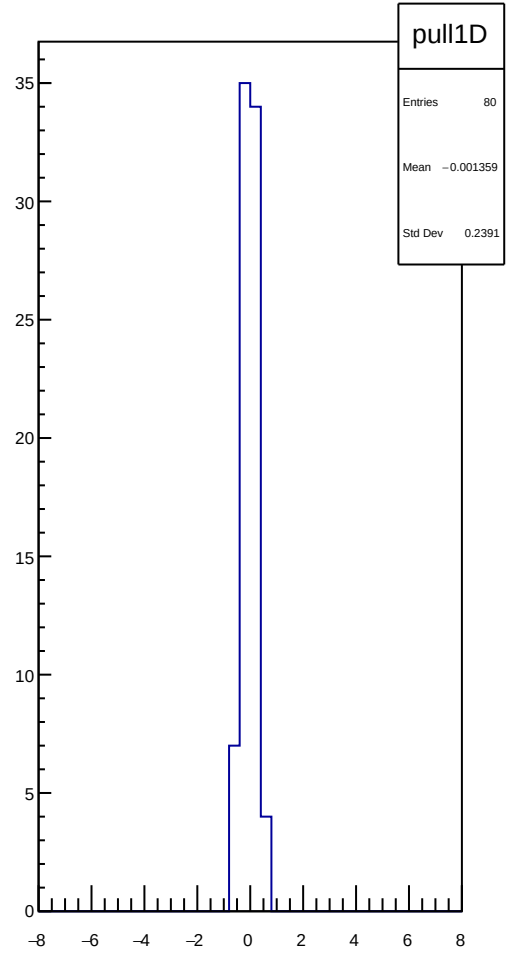

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.533 / 79
p0 75.45 ± 15.18
300
200
100
0
−100
pull
Entries 80
Mean 485.9
Std Dev 446.1
0.6
0.4
0.2
0
−0.2
−0.4

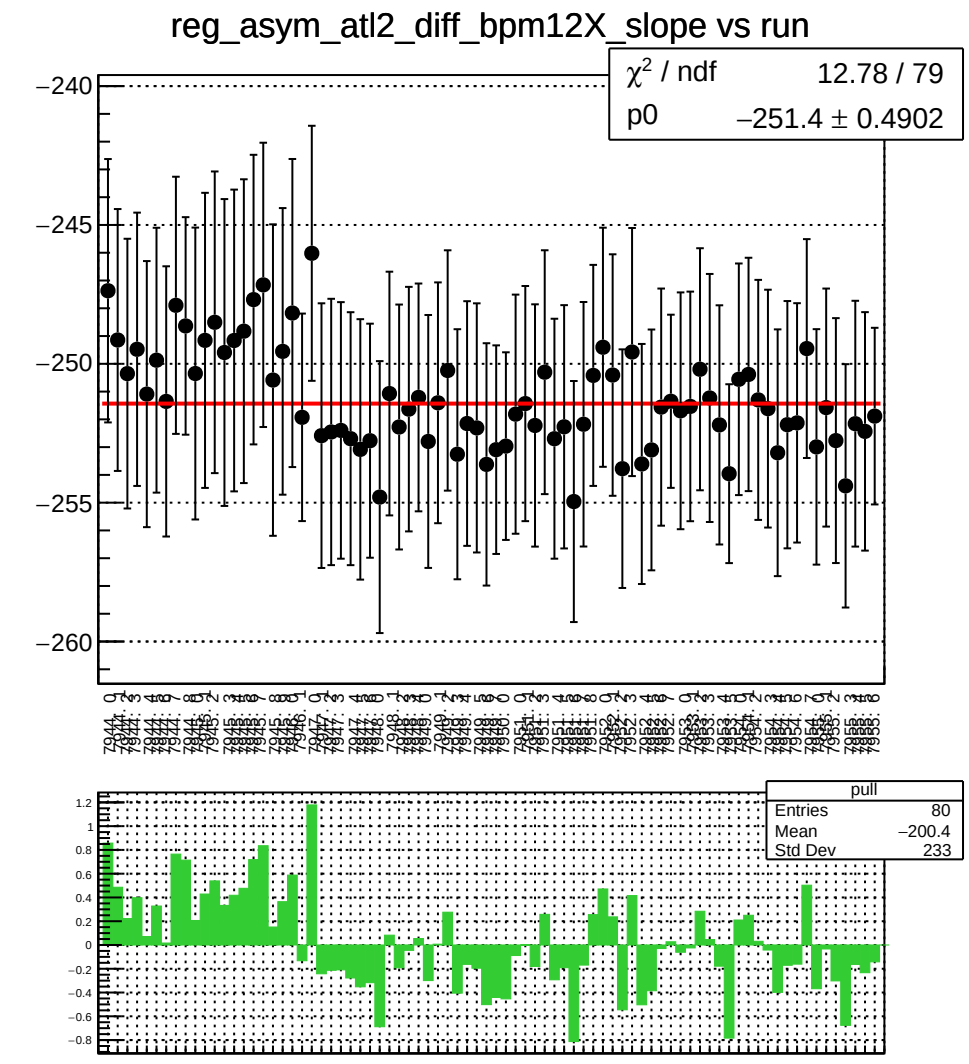

pull1D
Entries 80
Mean 0.001214
Std Dev 0.238
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

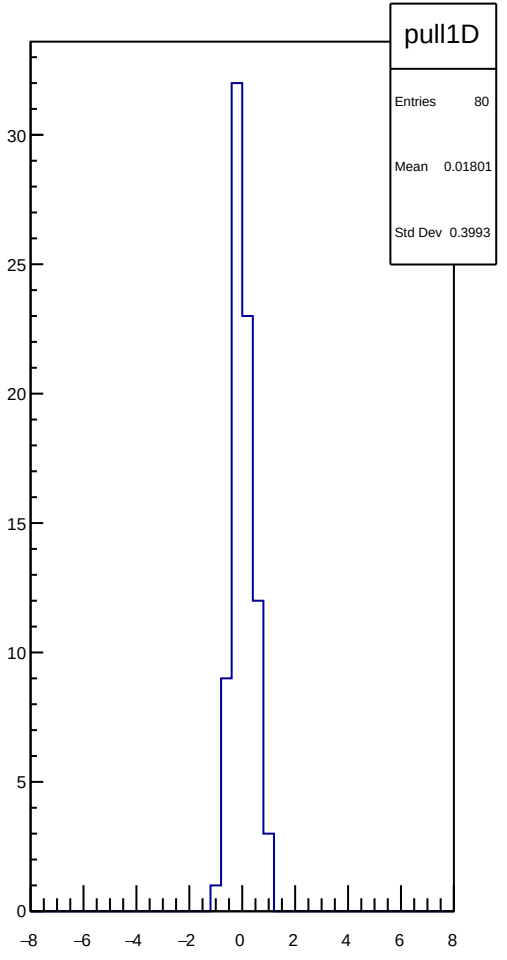

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 8.822 / 79
p0 156.1 ± 13.04
300
200
100
0
−100
pull
Entries 80
Mean 189.1
Std Dev 141
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

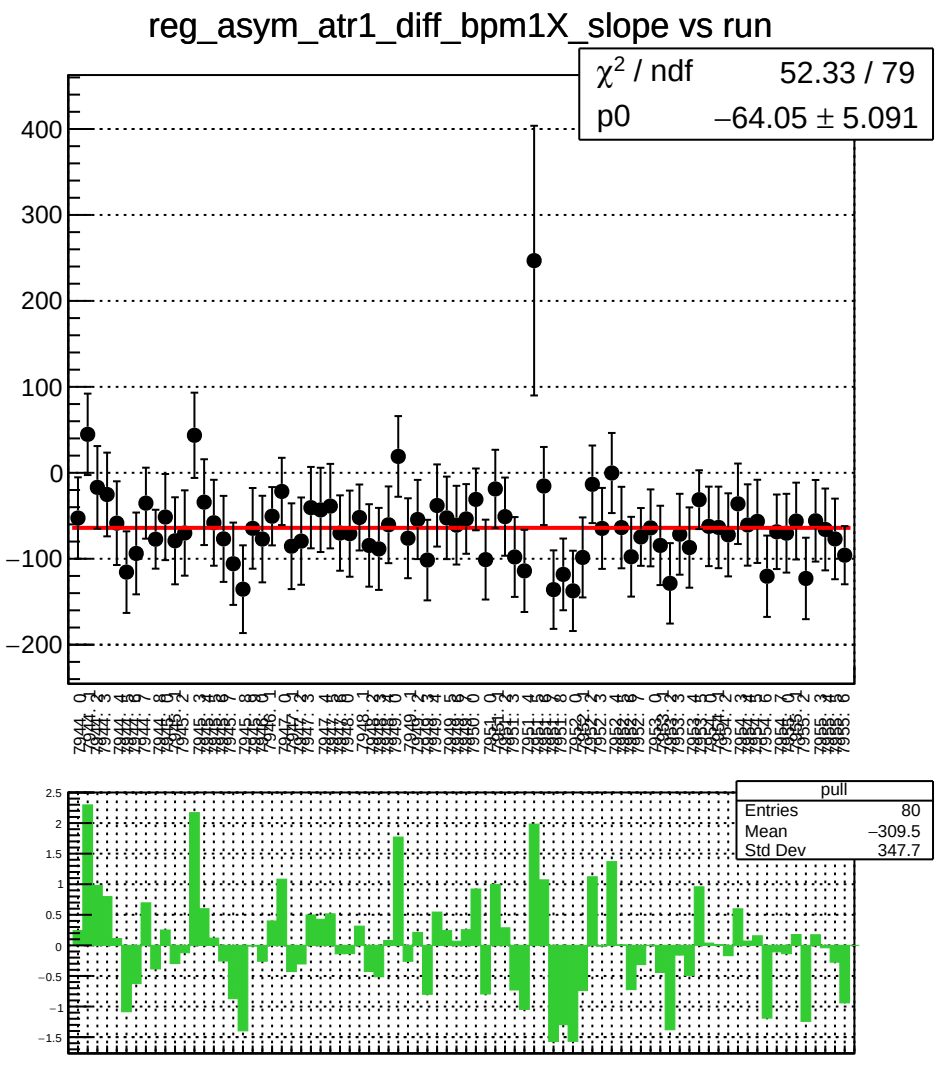

pull1D
Entries 80
Mean 0.007866
Std Dev 0.332
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

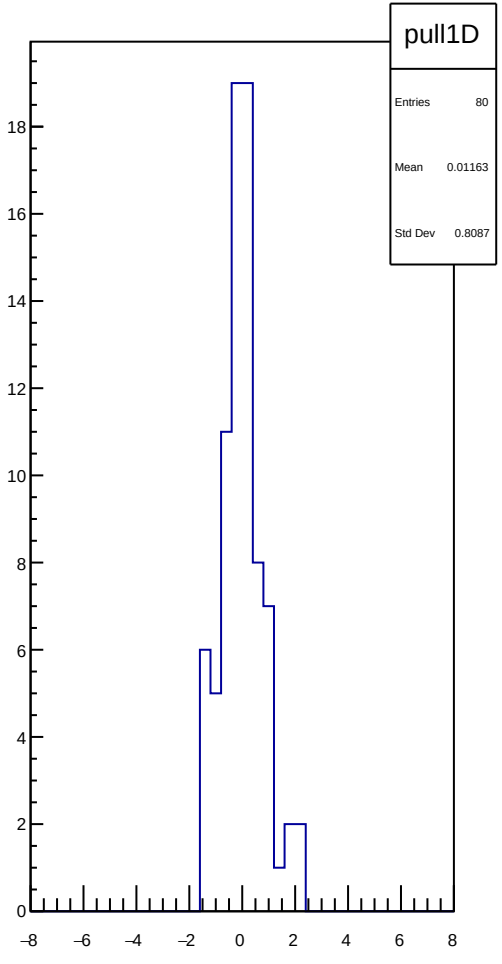

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 4.574 / 79
p0 32.39 ± 17.44
pull
Entries 80
Mean 237.2
Std Dev 190.5

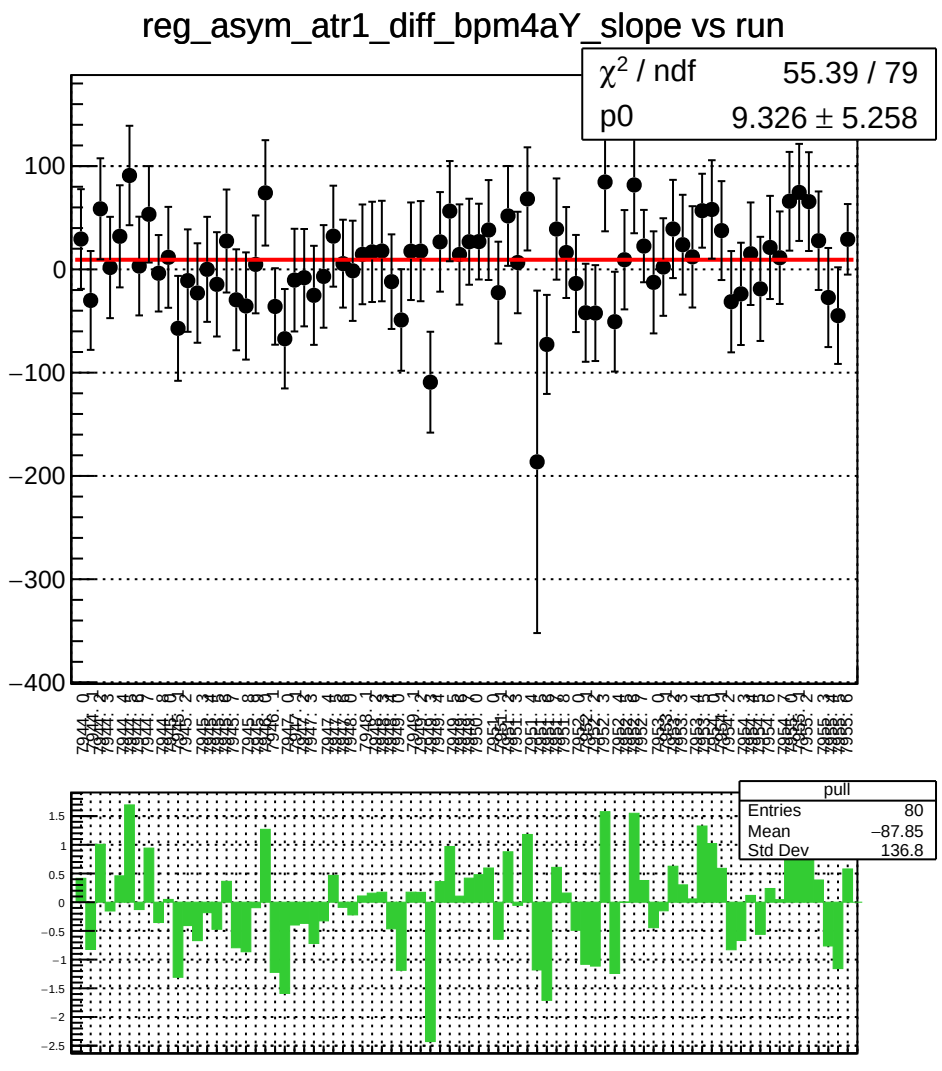

pull1D
Entries 80
Mean −0.001359
Std Dev 0.2391

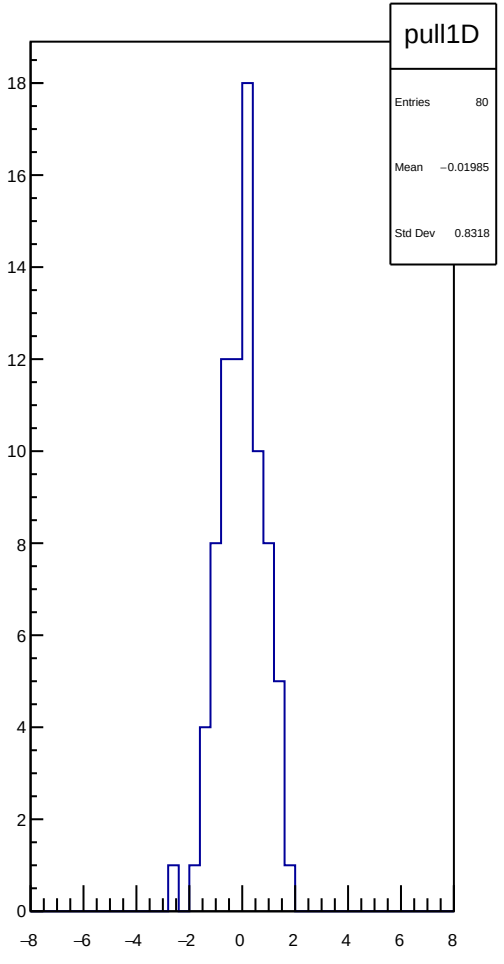

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 12.78 / 79
p0 −251.4 ± 0.4902
−240
−245
−250
−255
−260
pull
Entries 80
Mean −200.4
Std Dev 233
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

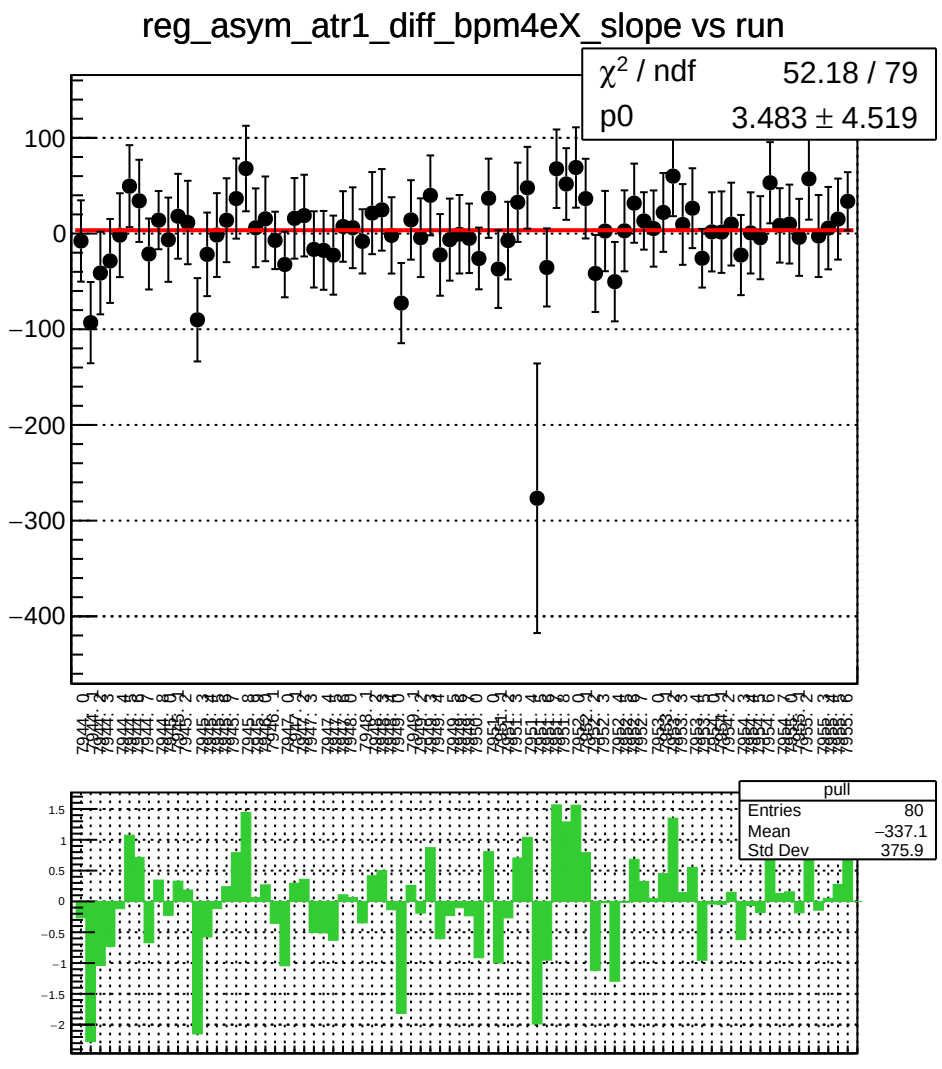

pull1D
Entries 80
Mean 0.01801
Std Dev 0.3993
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

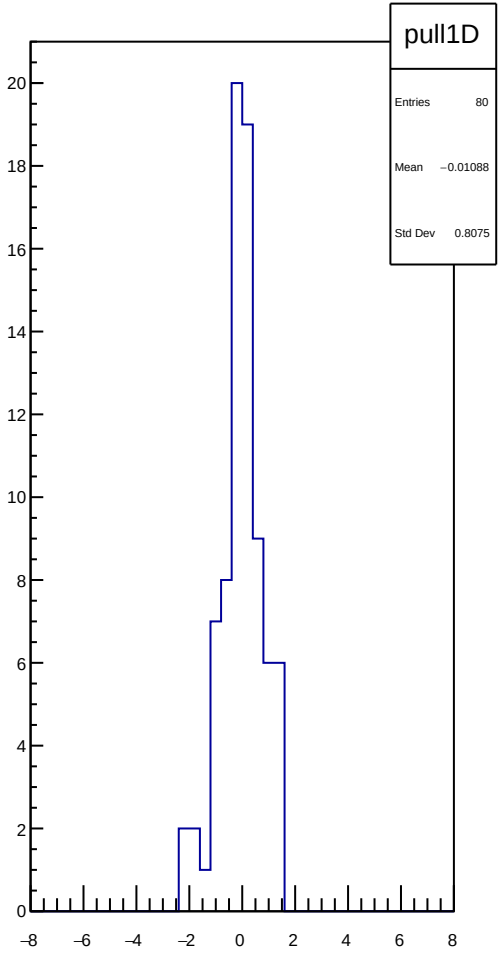

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 52.33 / 79
p0 −64.05 ± 5.091
pull
Entries 80
Mean −309.5
Std Dev 347.7

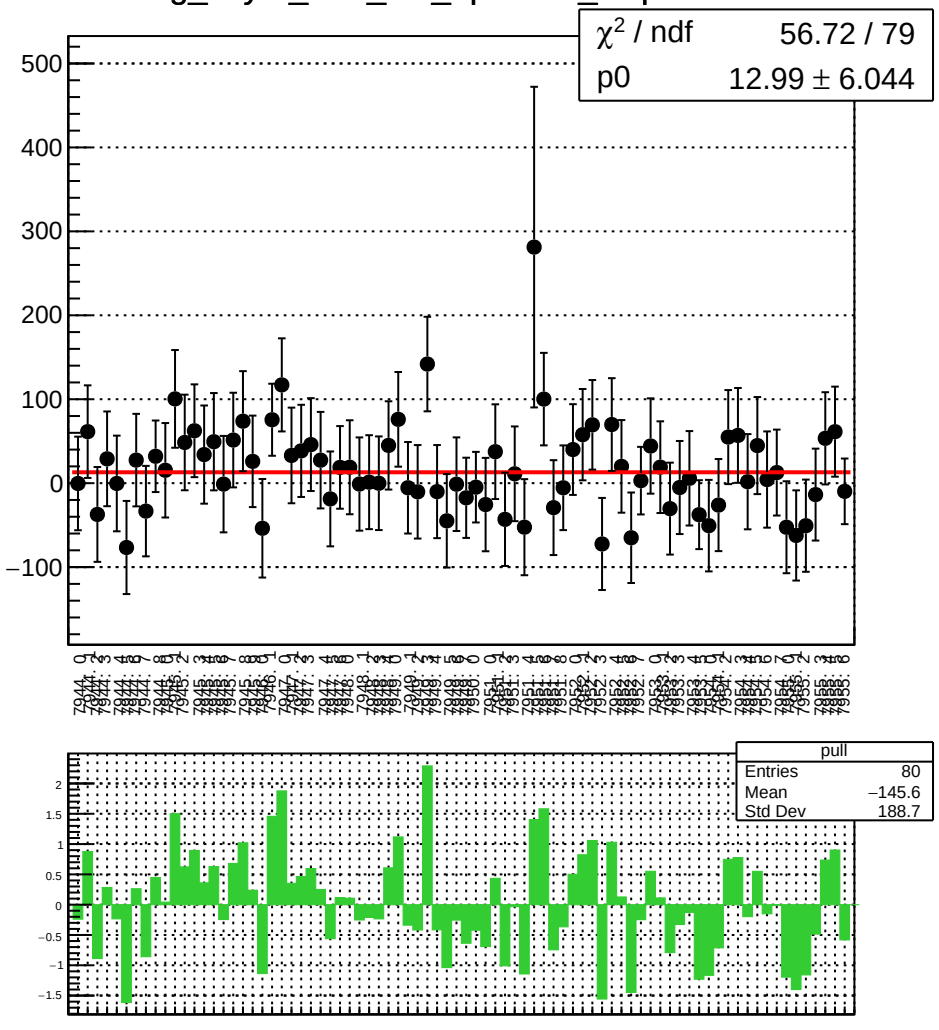

pull1D
Entries 80
Mean 0.01163
Std Dev 0.8087

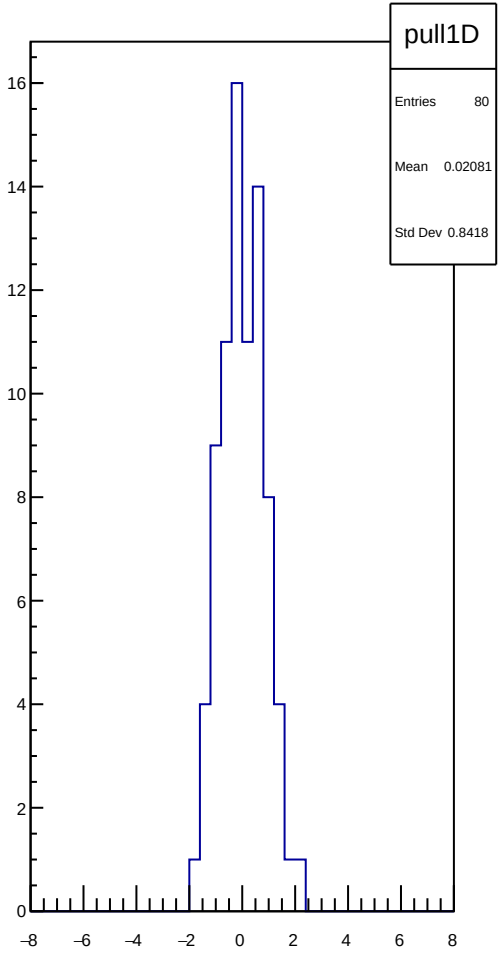

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 55.39 / 79
p0 9.326 ± 5.258
pull
Entries 80
Mean −87.85
Std Dev 136.8

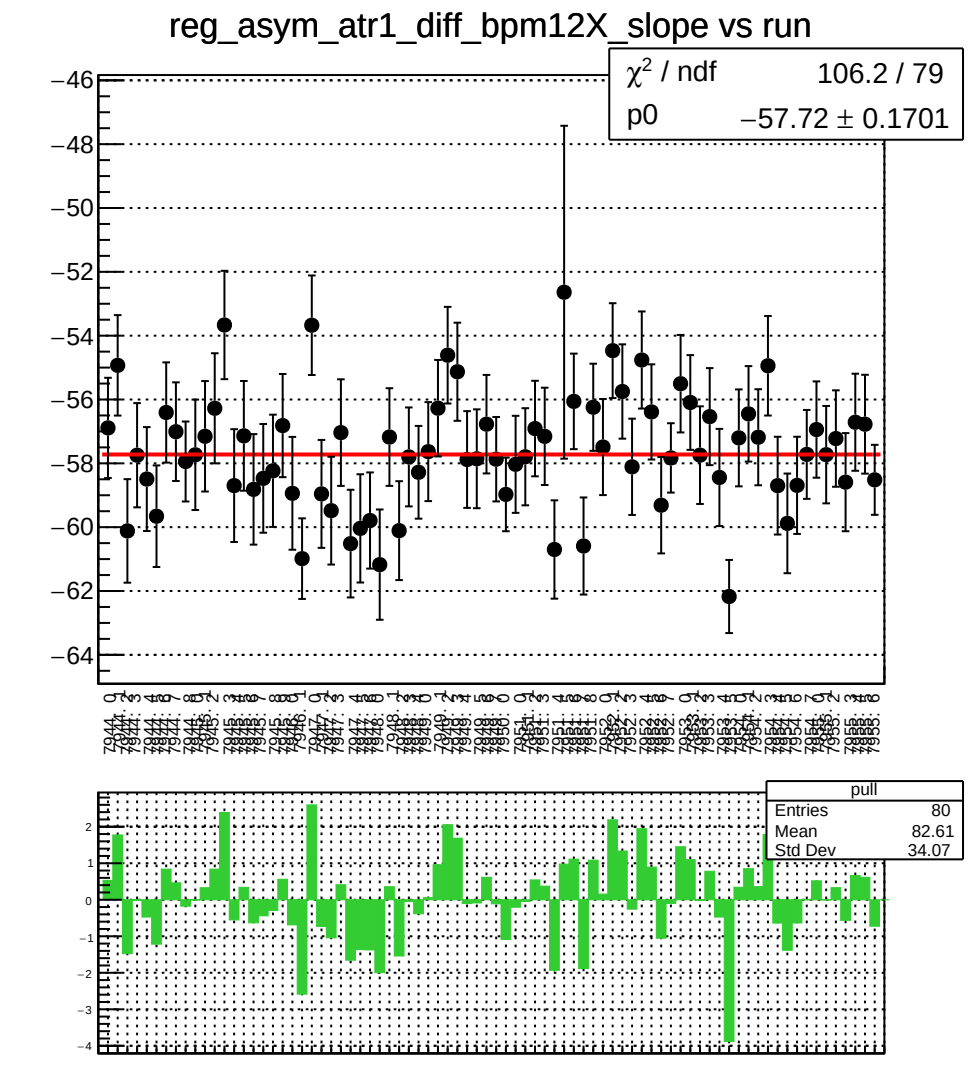

pull1D
Entries 80
Mean −0.01985
Std Dev 0.8318

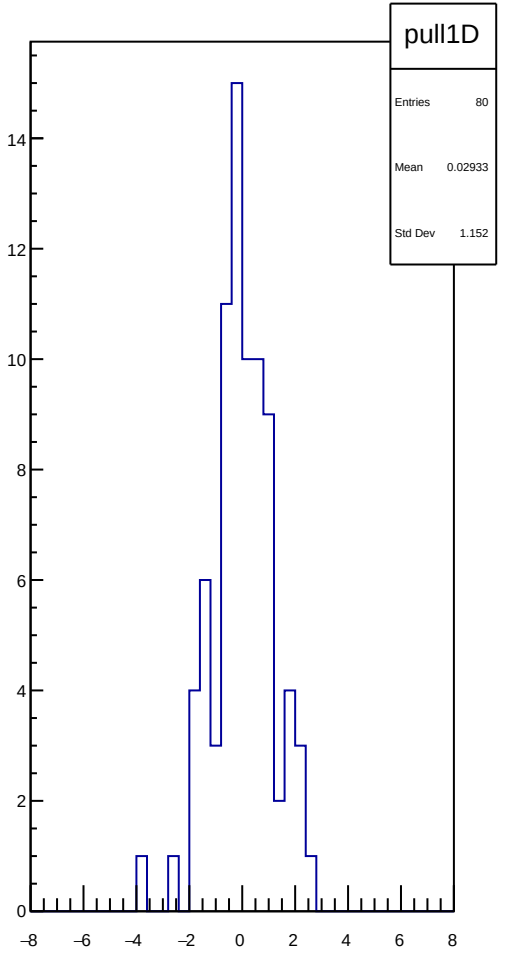

reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 52.18 / 79
p0 3.483 ± 4.519
100
0
−100
−200
−300
−400
pull
Entries 80
Mean −337.1
Std Dev 375.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

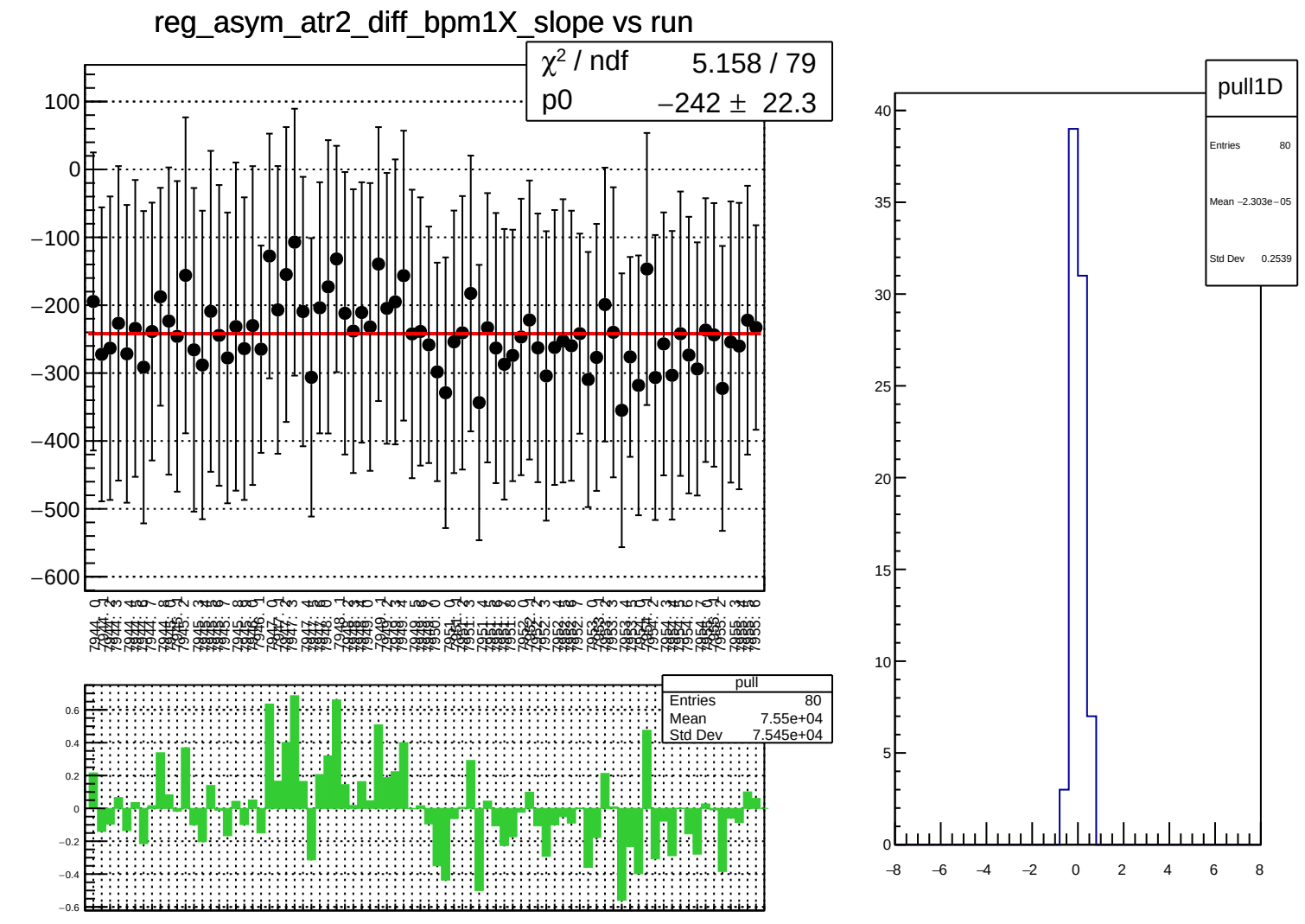

pull1D
Entries 80
Mean −0.01088
Std Dev 0.8075
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

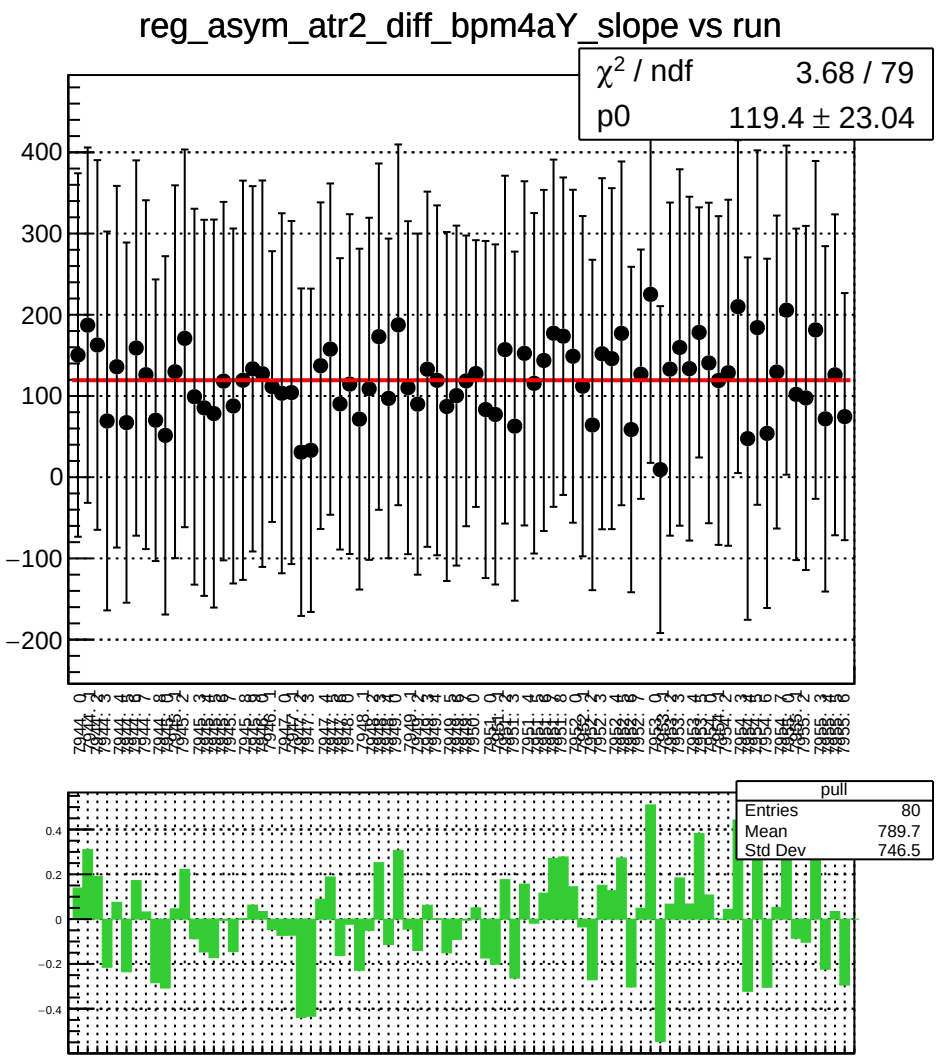

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 56.72 / 79
p0 12.99 ± 6.044
pull
Entries 80
Mean −145.6
Std Dev 188.7

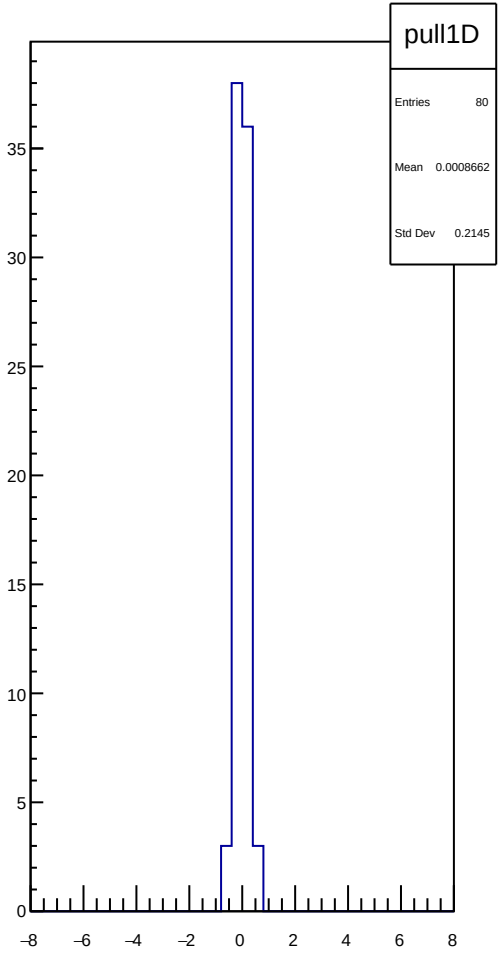

pull1D
Entries 80
Mean 0.02081
Std Dev 0.8418

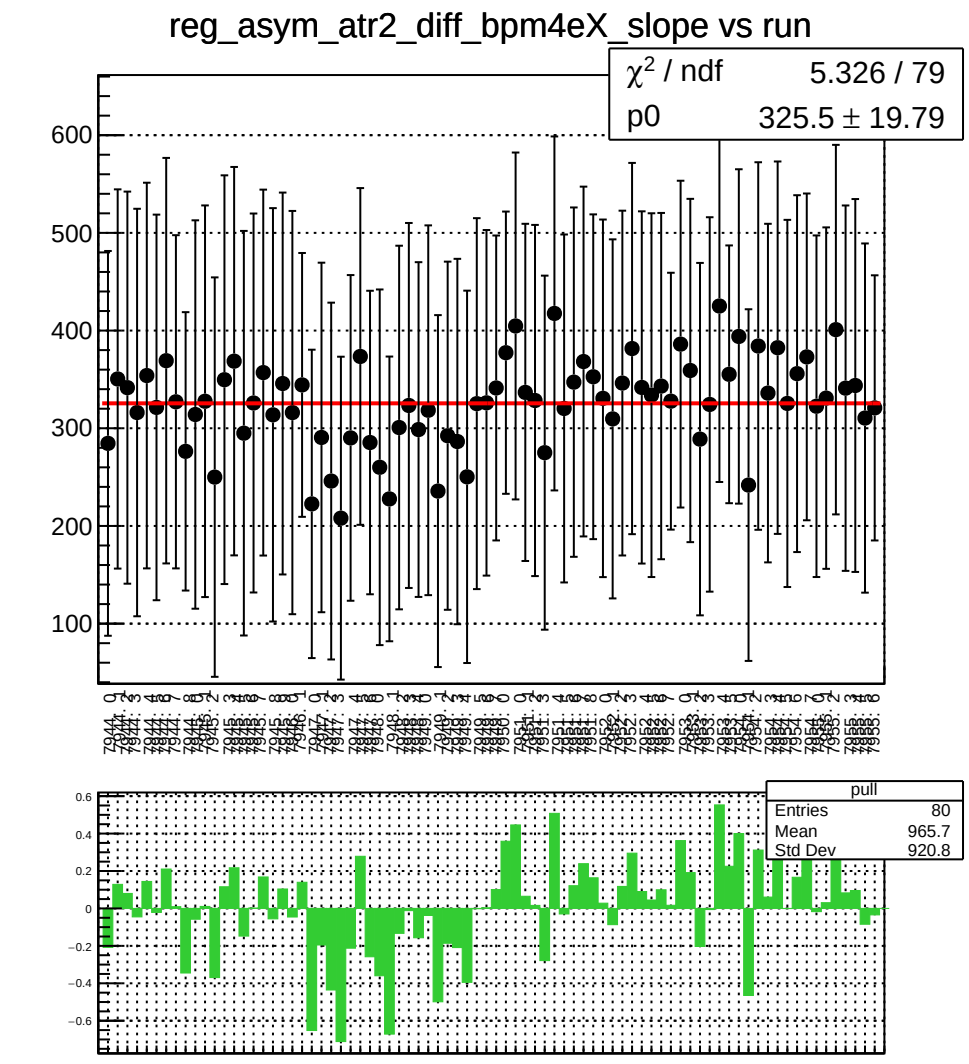

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 106.2 / 79
p0 −57.72 ± 0.1701
pull
Entries 80
Mean 82.61
Std Dev 34.07

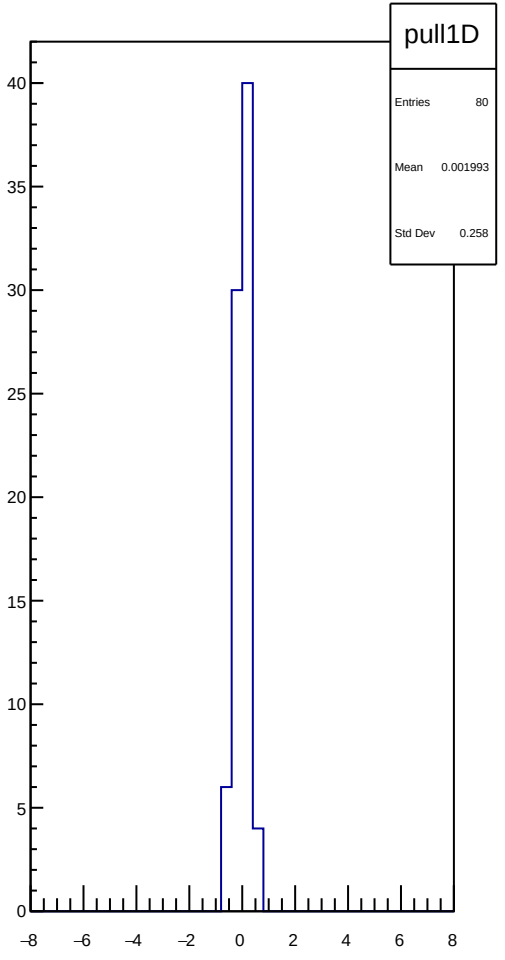

pull1D
Entries 80
Mean 0.02933
Std Dev 1.152

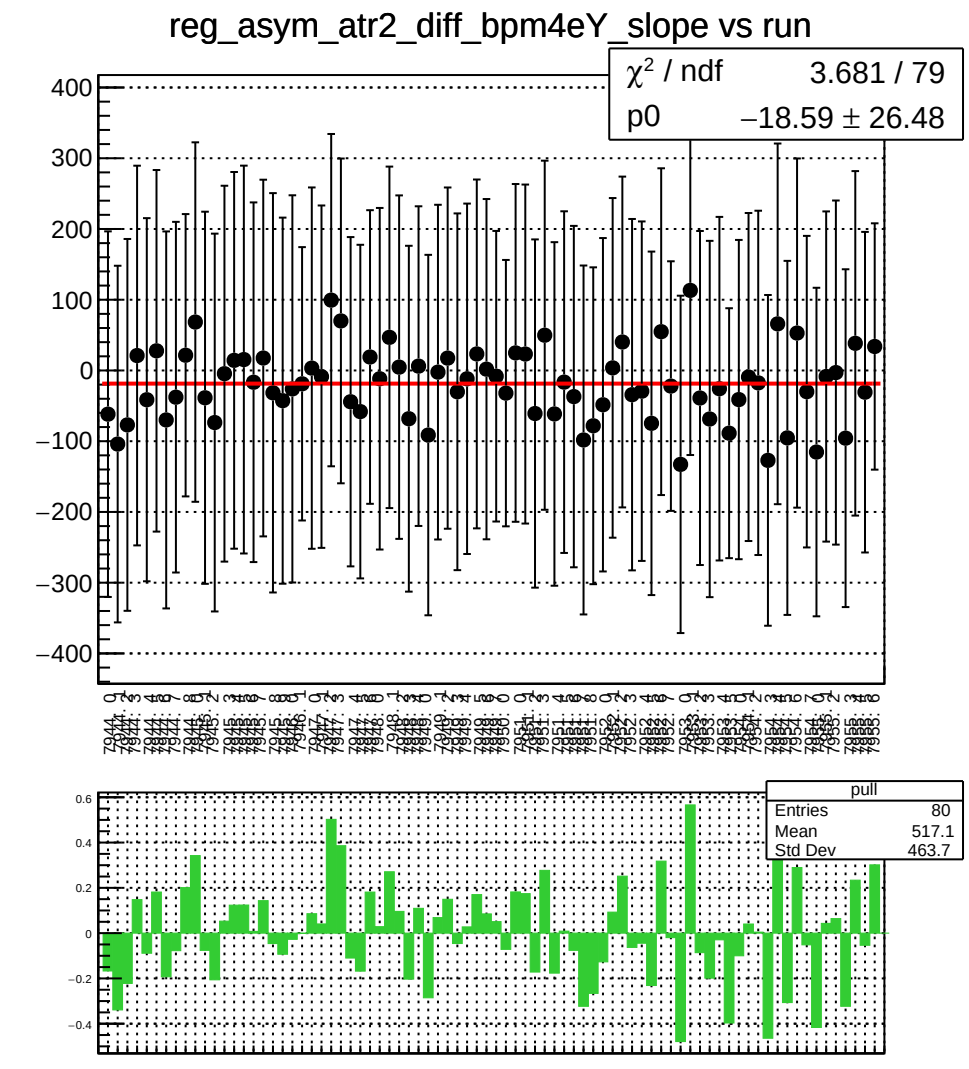

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 5.158 / 79
p0 −242 ± 22.3
pull
Entries 80
Mean 7.55e+04
Std Dev 7.545e+04
pull1D
Entries 80
Mean −2.303e−05
Std Dev 0.2539

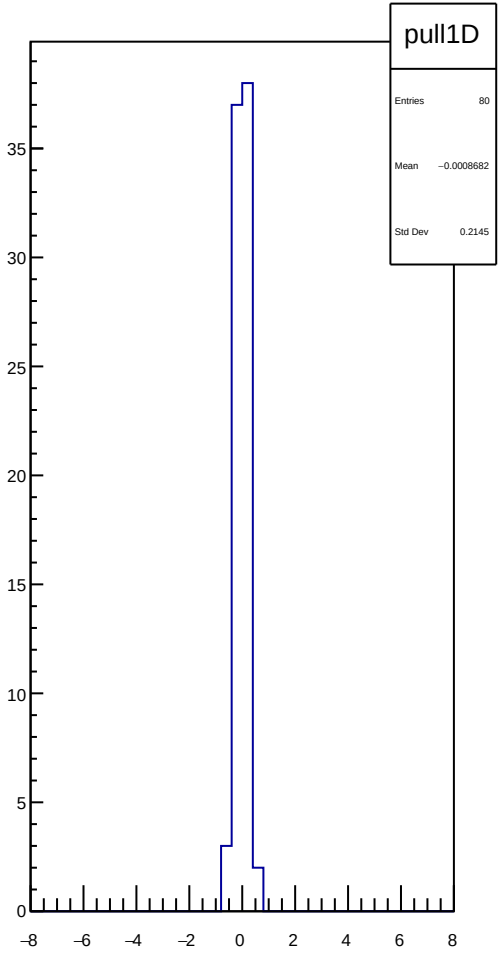

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.68 / 79
p0 119.4 ± 23.04
pull
Entries 80
Mean 789.7
Std Dev 746.5

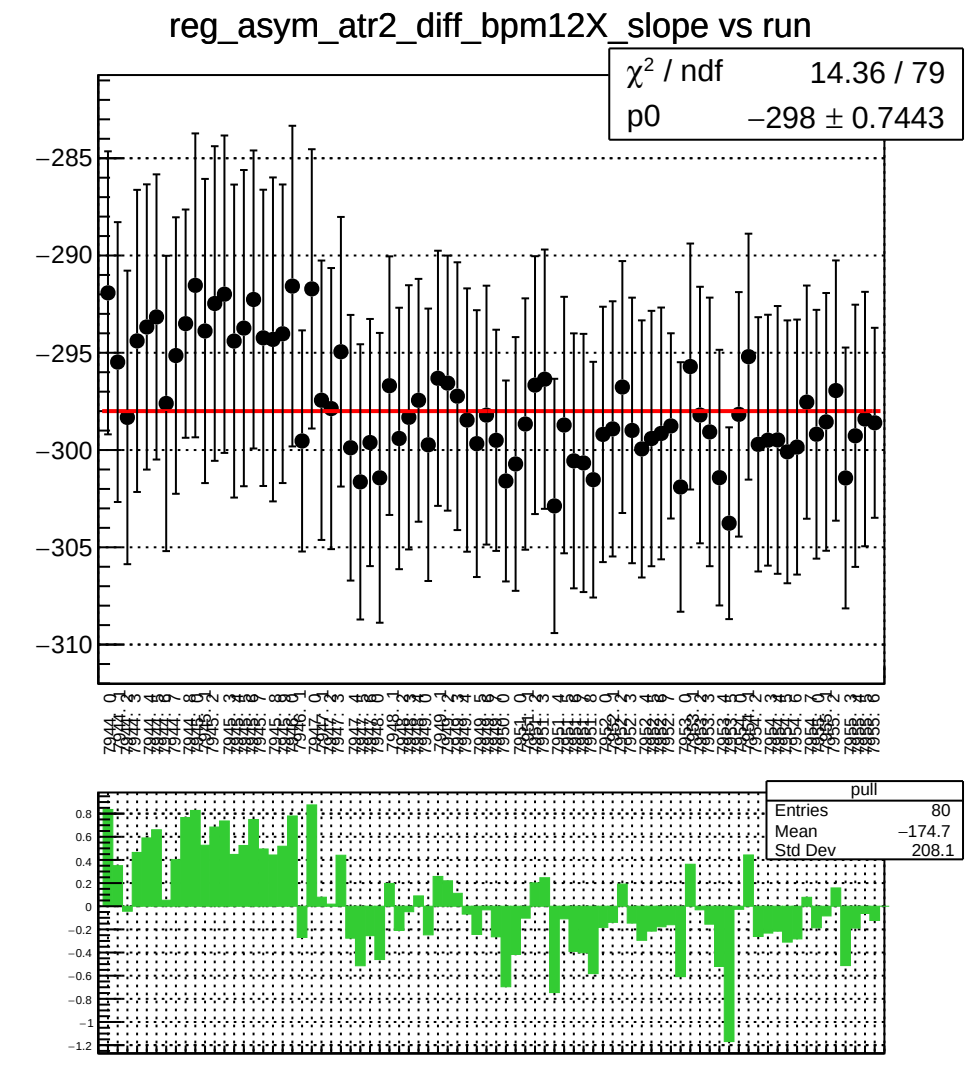

pull1D
Entries 80
Mean 0.0008662
Std Dev 0.2145

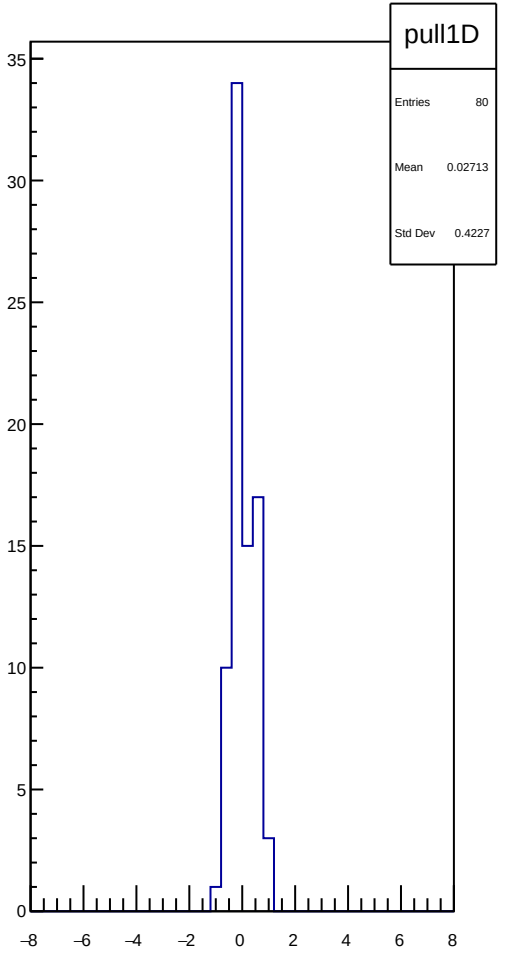

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 5.326 / 79
p0 325.5 ± 19.79
pull
Entries 80
Mean 965.7
Std Dev 920.8

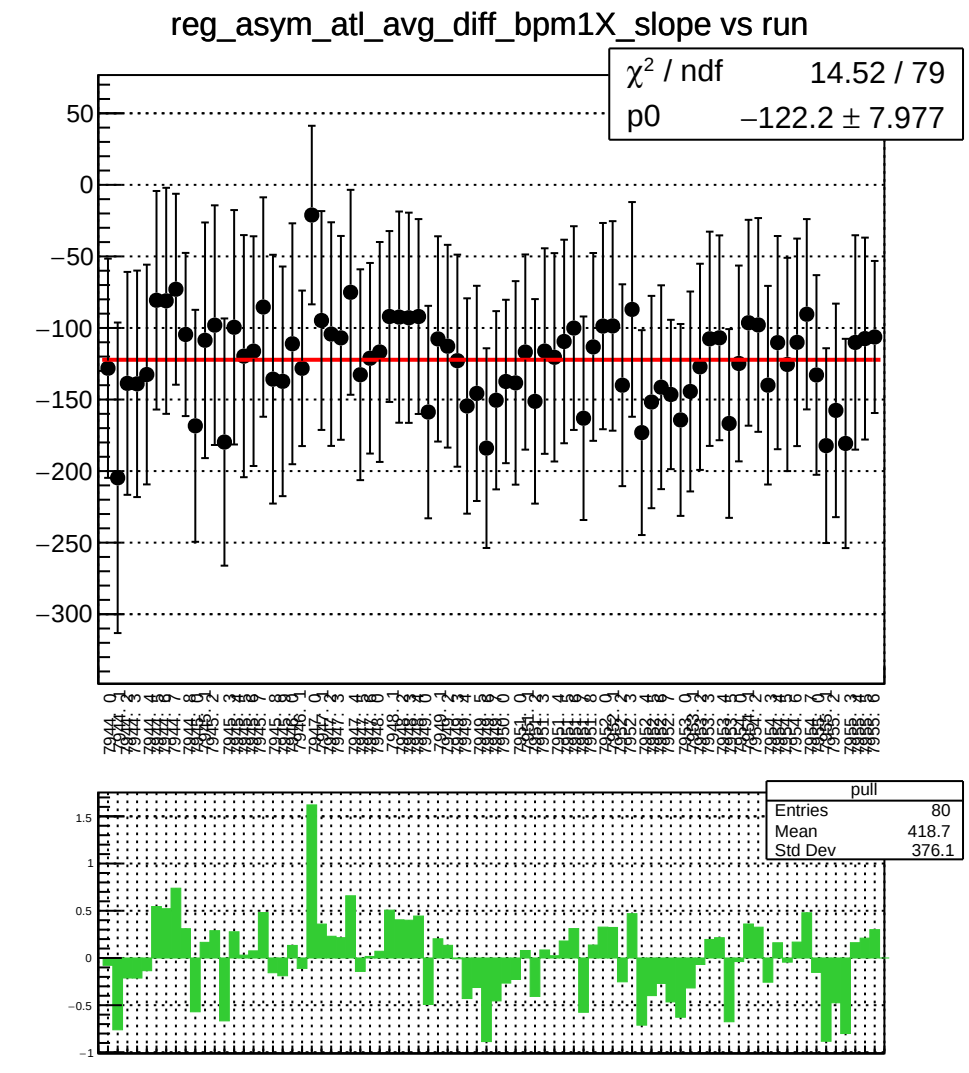

pull1D
Entries 80
Mean 0.001993
Std Dev 0.258

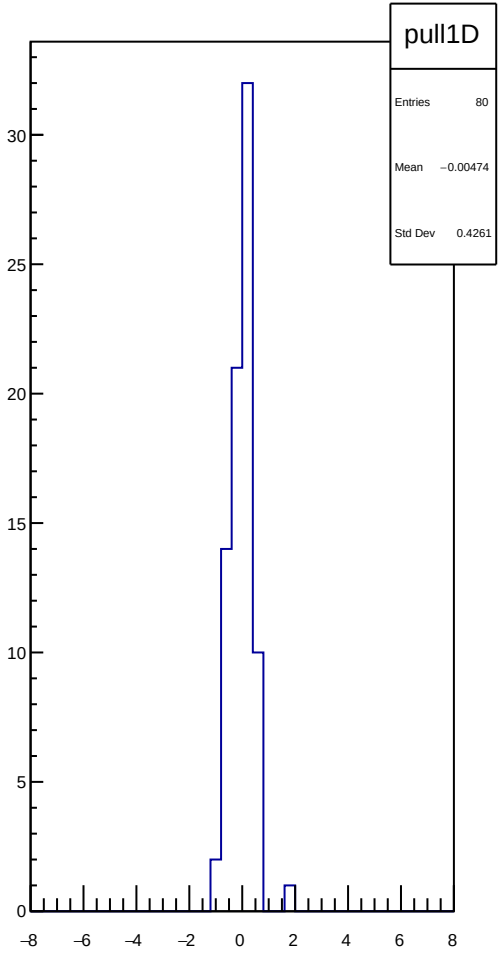

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.681 / 79
p0 −18.59 ± 26.48
pull
Entries 80
Mean 517.1
Std Dev 463.7

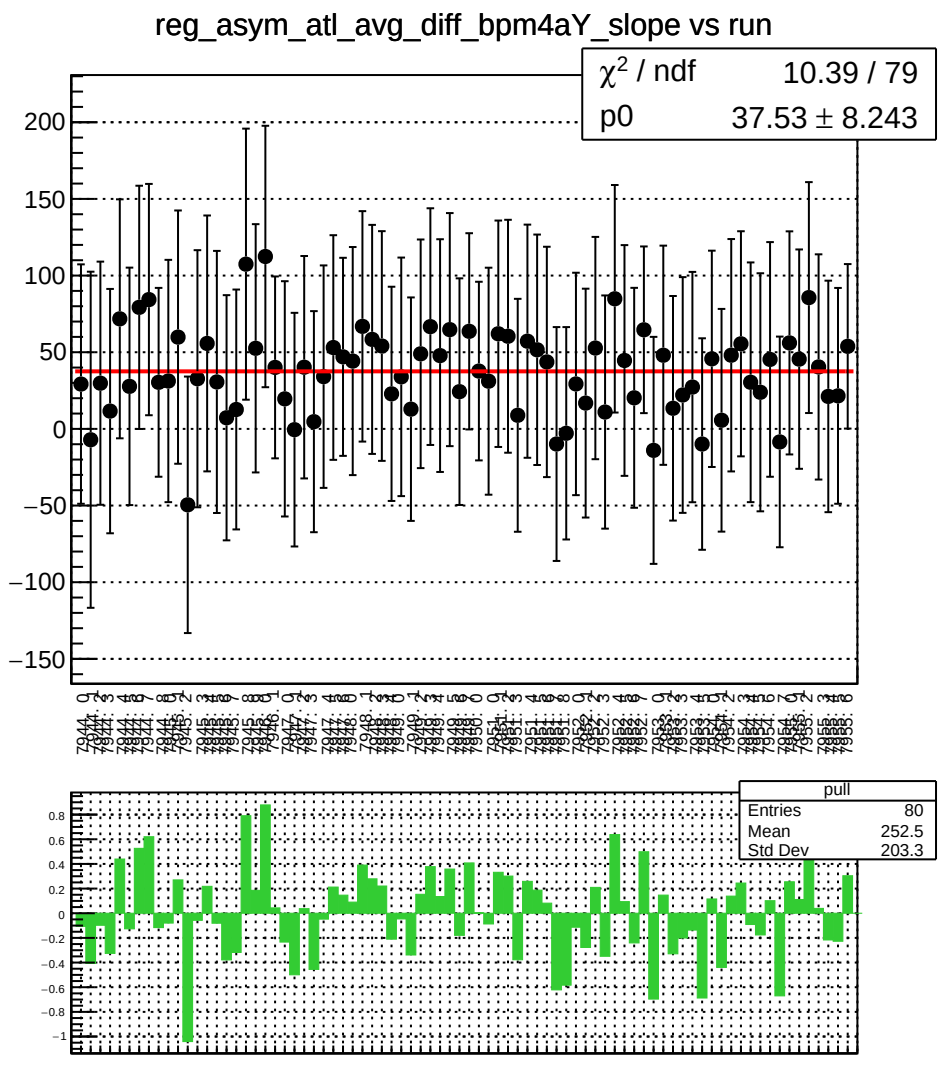

pull1D
Entries 80
Mean −0.0008682
Std Dev 0.2145

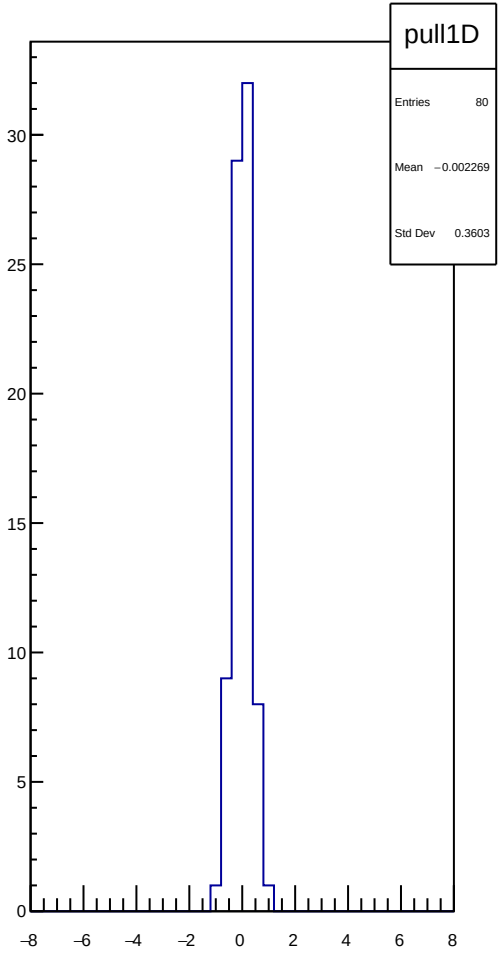

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 14.36 / 79
p0 −298 ± 0.7443
−285
−290
−295
−300
−305
−310
pull
Entries 80
Mean −174.7
Std Dev 208.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

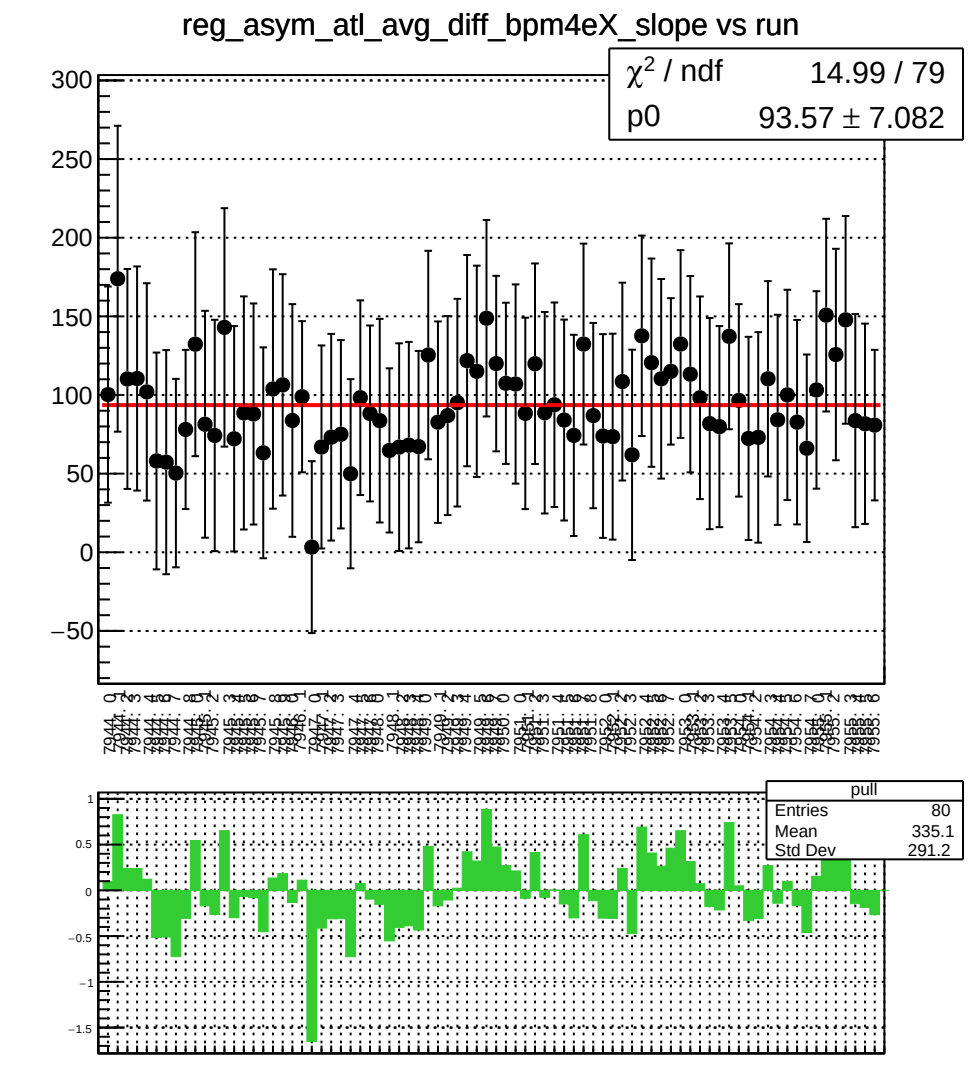

pull1D
Entries 80
Mean 0.02713
Std Dev 0.4227
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

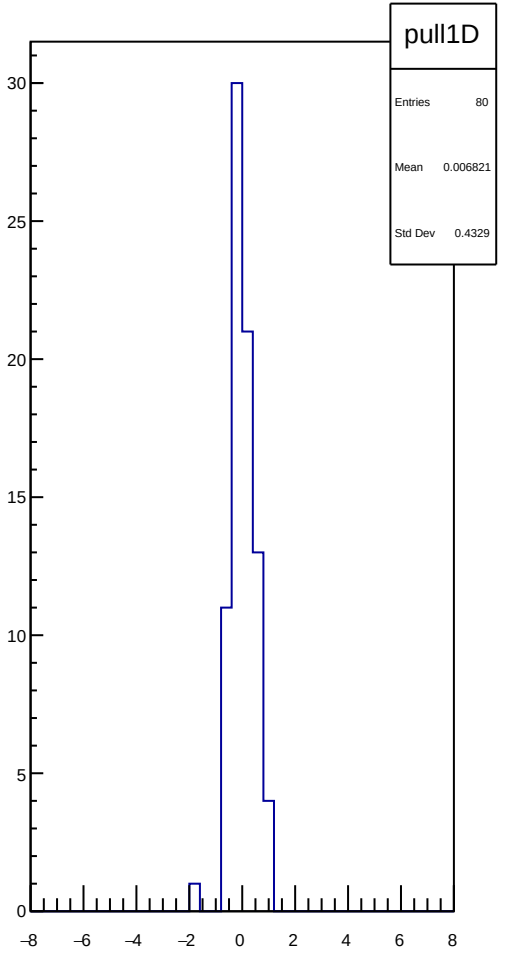

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 14.52 / 79
p0 −122.2 ± 7.977
pull
Entries 80
Mean 418.7
Std Dev 376.1

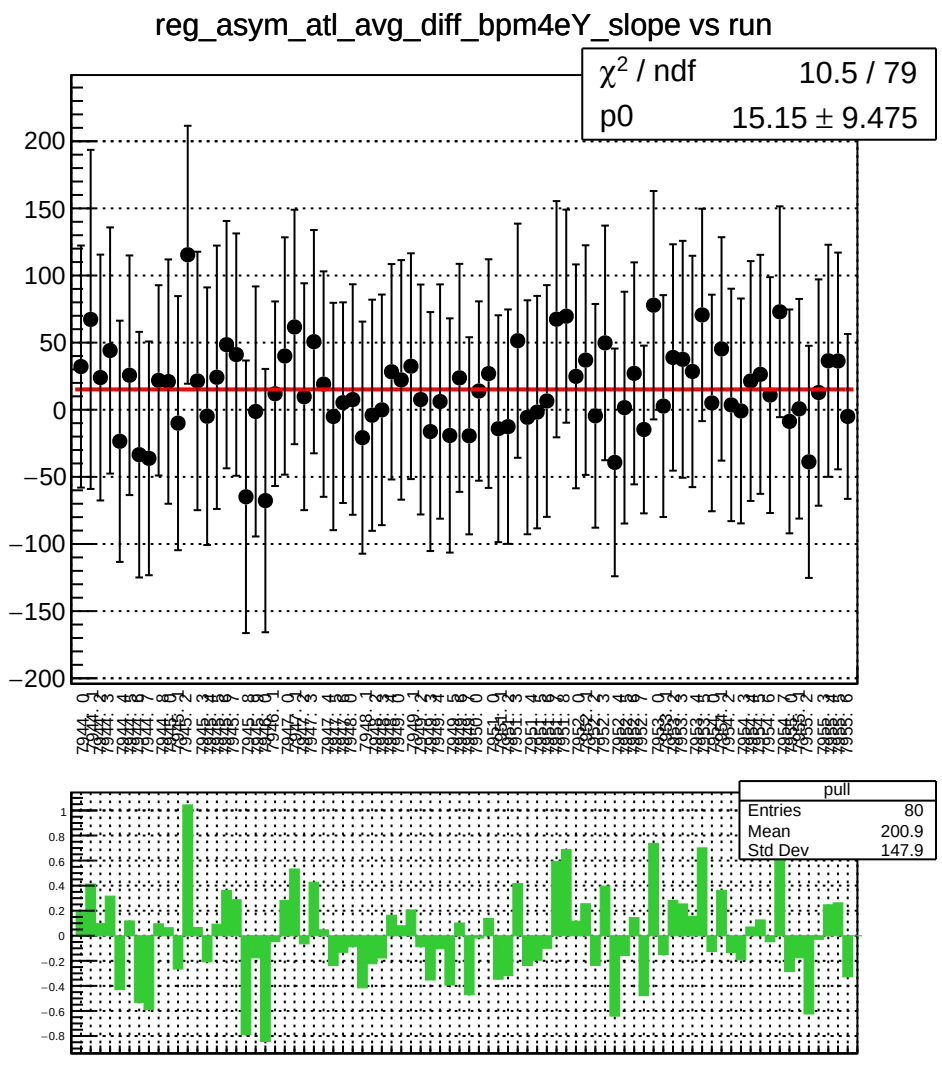

pull1D
Entries 80
Mean −0.00474
Std Dev 0.4261

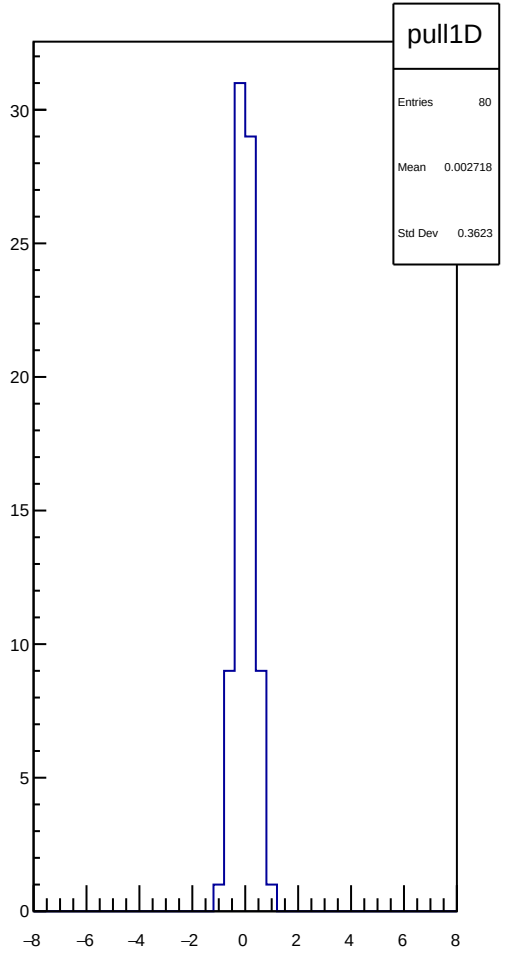

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.39 / 79
p0 37.53 ± 8.243
pull
Entries 80
Mean 252.5
Std Dev 203.3

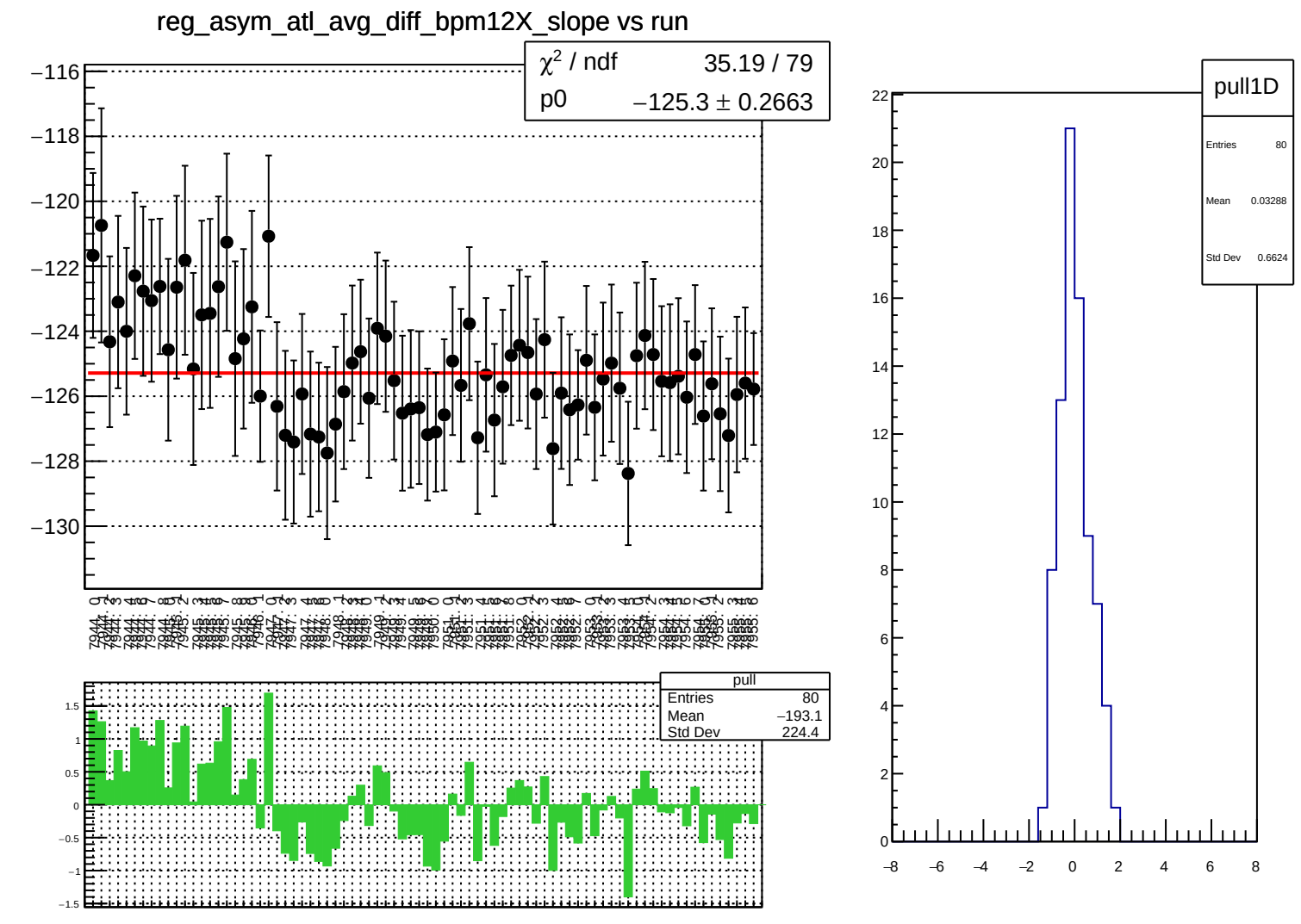

pull1D
Entries 80
Mean −0.002269
Std Dev 0.3603

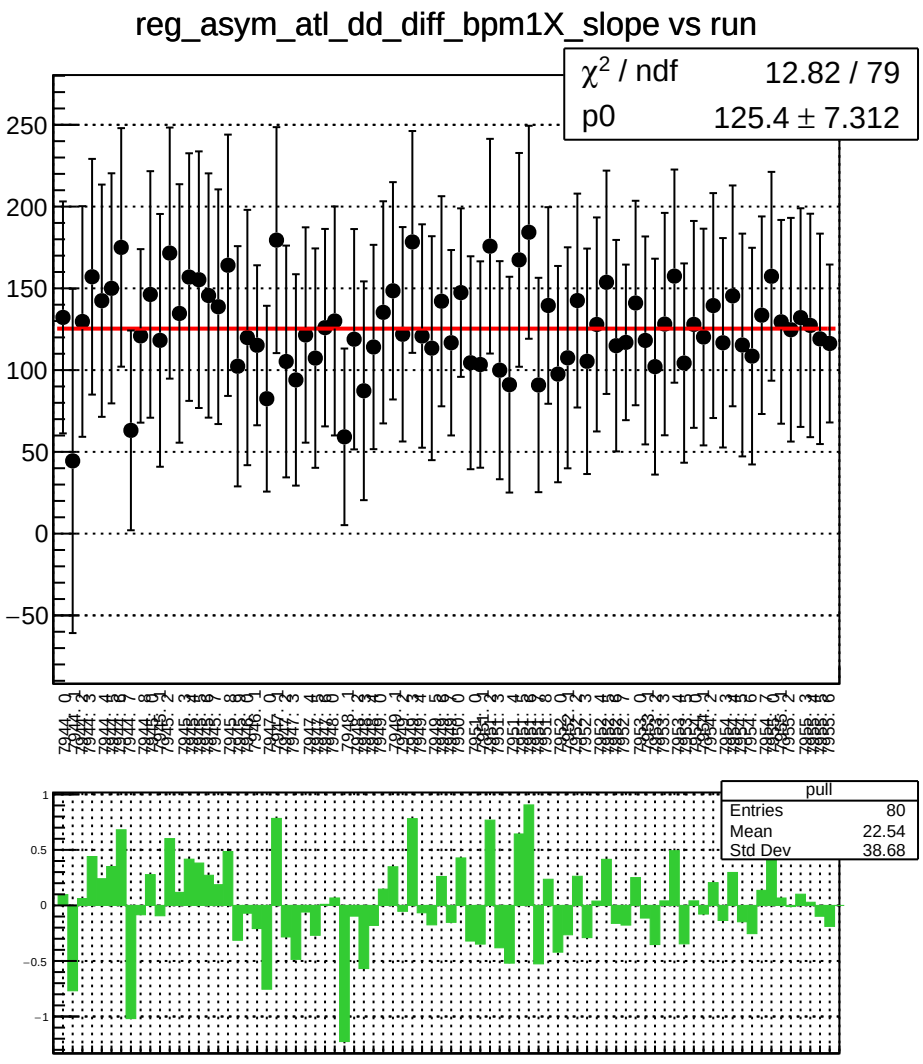

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.99 / 79
p0 93.57 ± 7.082
pull
Entries 80
Mean 335.1
Std Dev 291.2

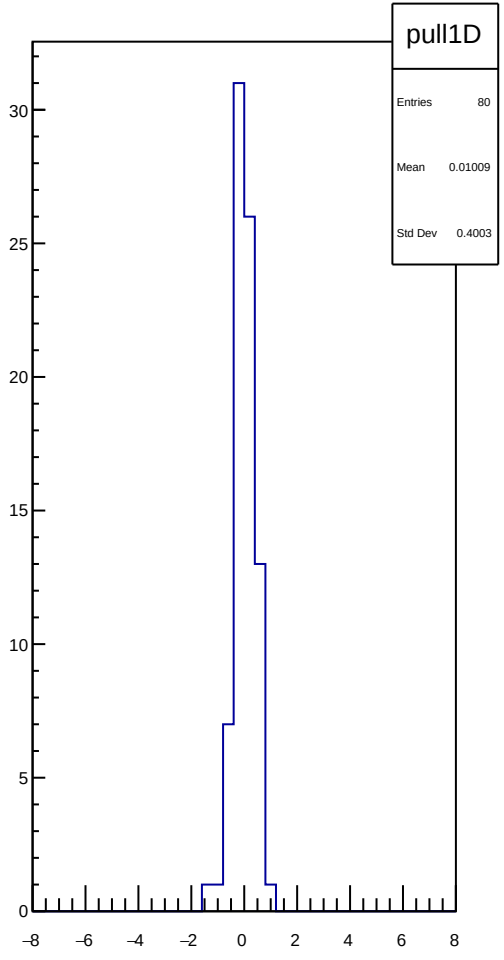

pull1D
Entries 80
Mean 0.006821
Std Dev 0.4329

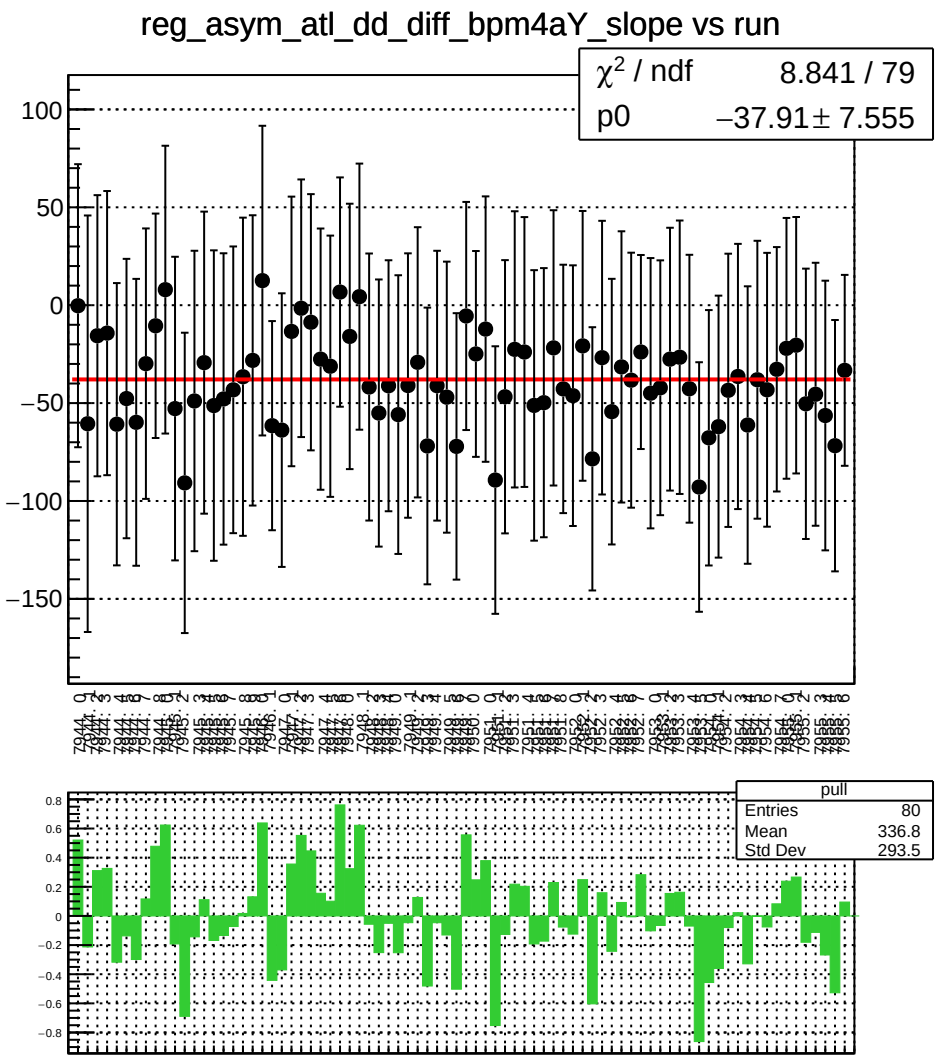

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.5 / 79
p0 15.15 ± 9.475
pull
Entries 80
Mean 200.9
Std Dev 147.9

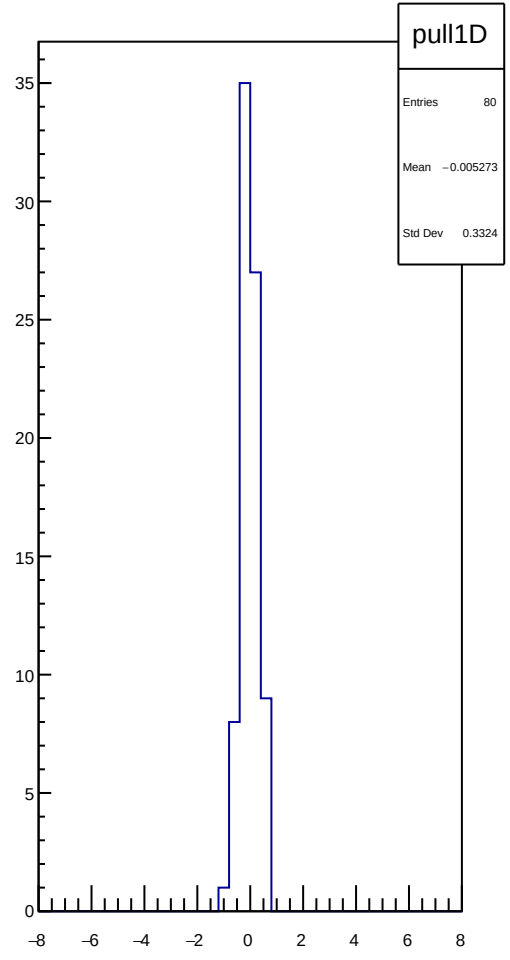

pull1D
Entries 80
Mean 0.002718
Std Dev 0.3623

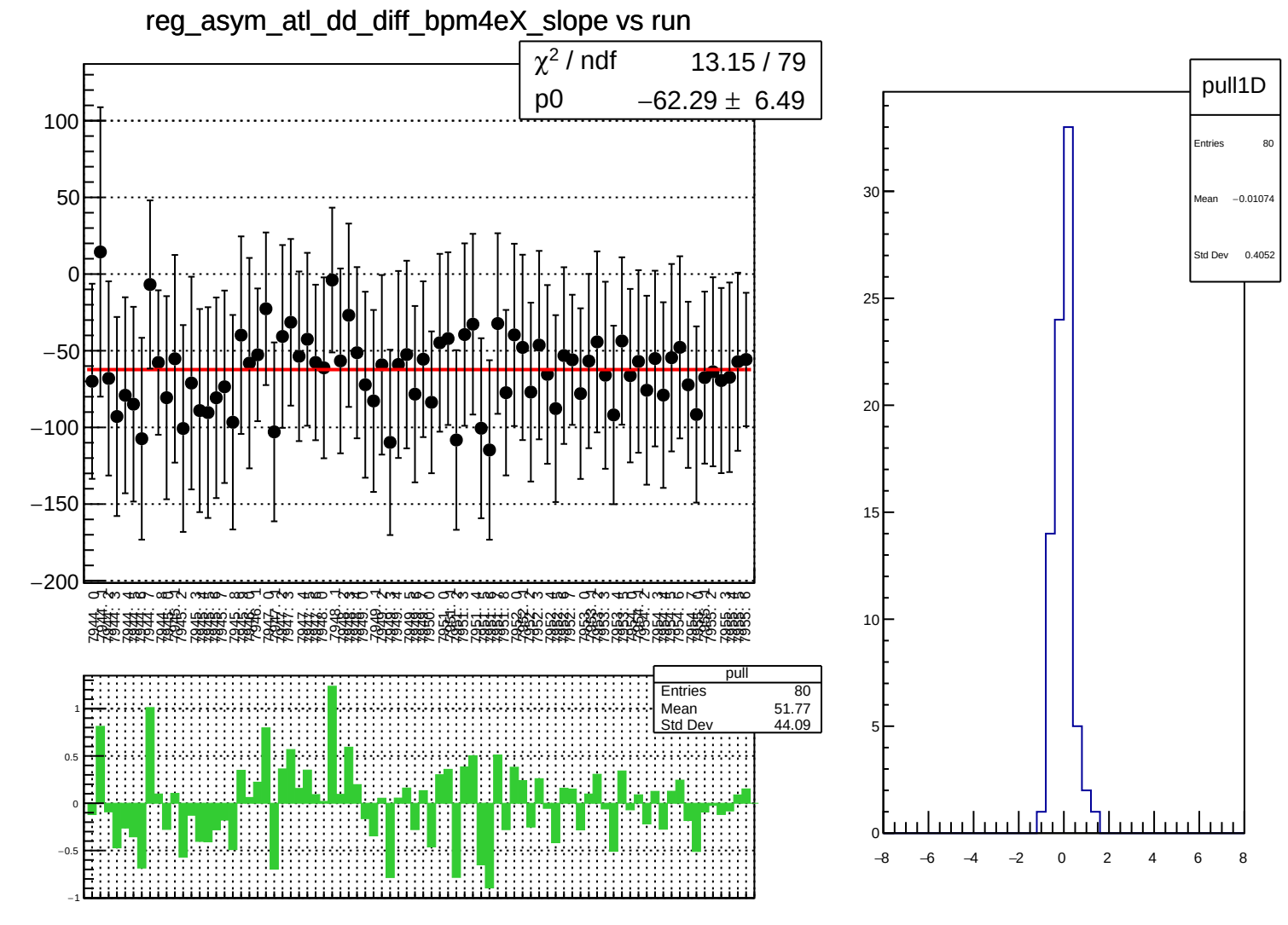

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 35.19 / 79
p0 −125.3 ± 0.2663
pull
Entries 80
Mean −193.1
Std Dev 224.4
pull1D
Entries 80
Mean 0.03288
Std Dev 0.6624

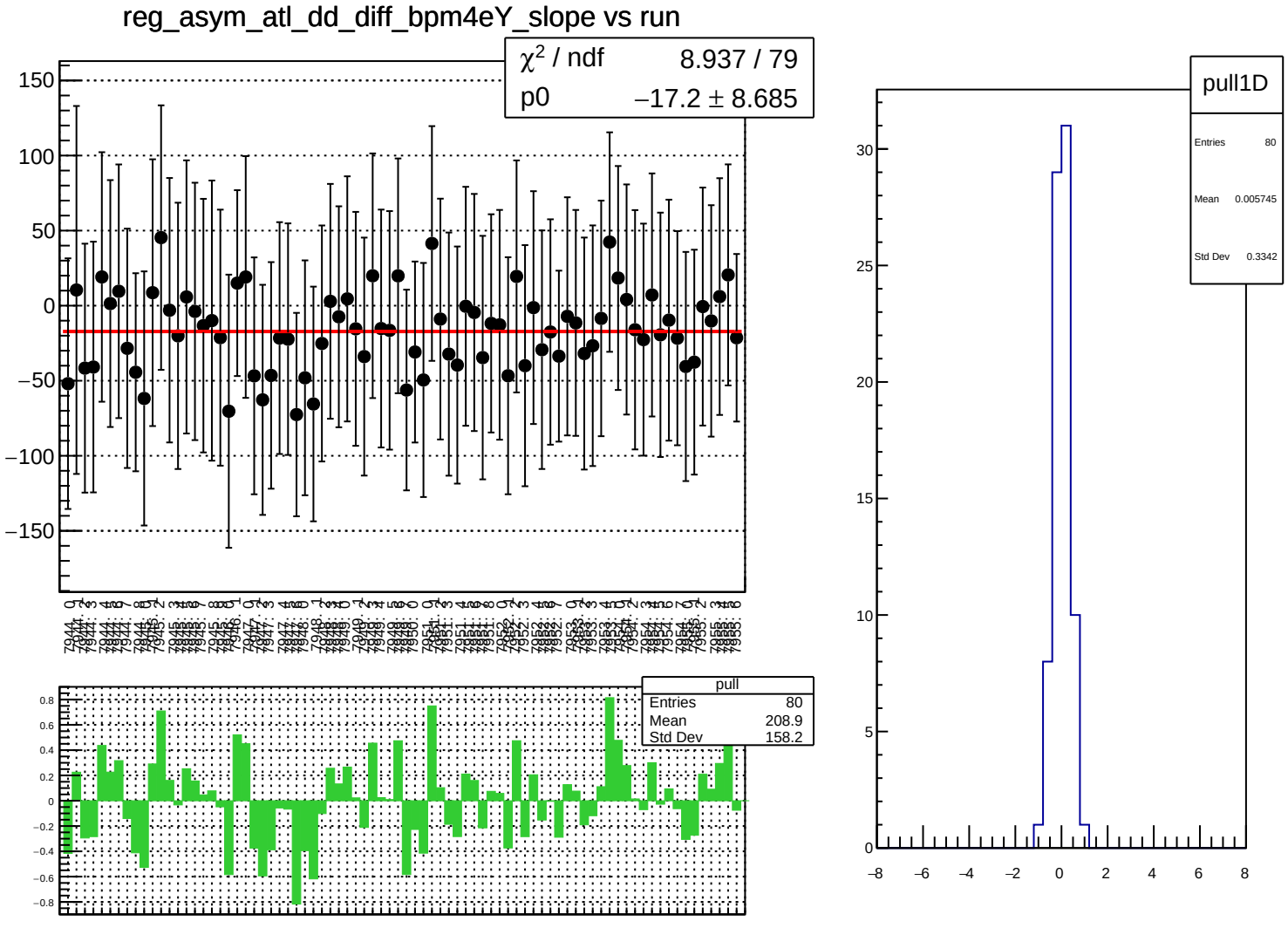

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 12.82 / 79
p0 125.4 ± 7.312
pull
Entries 80
Mean 22.54
Std Dev 38.68

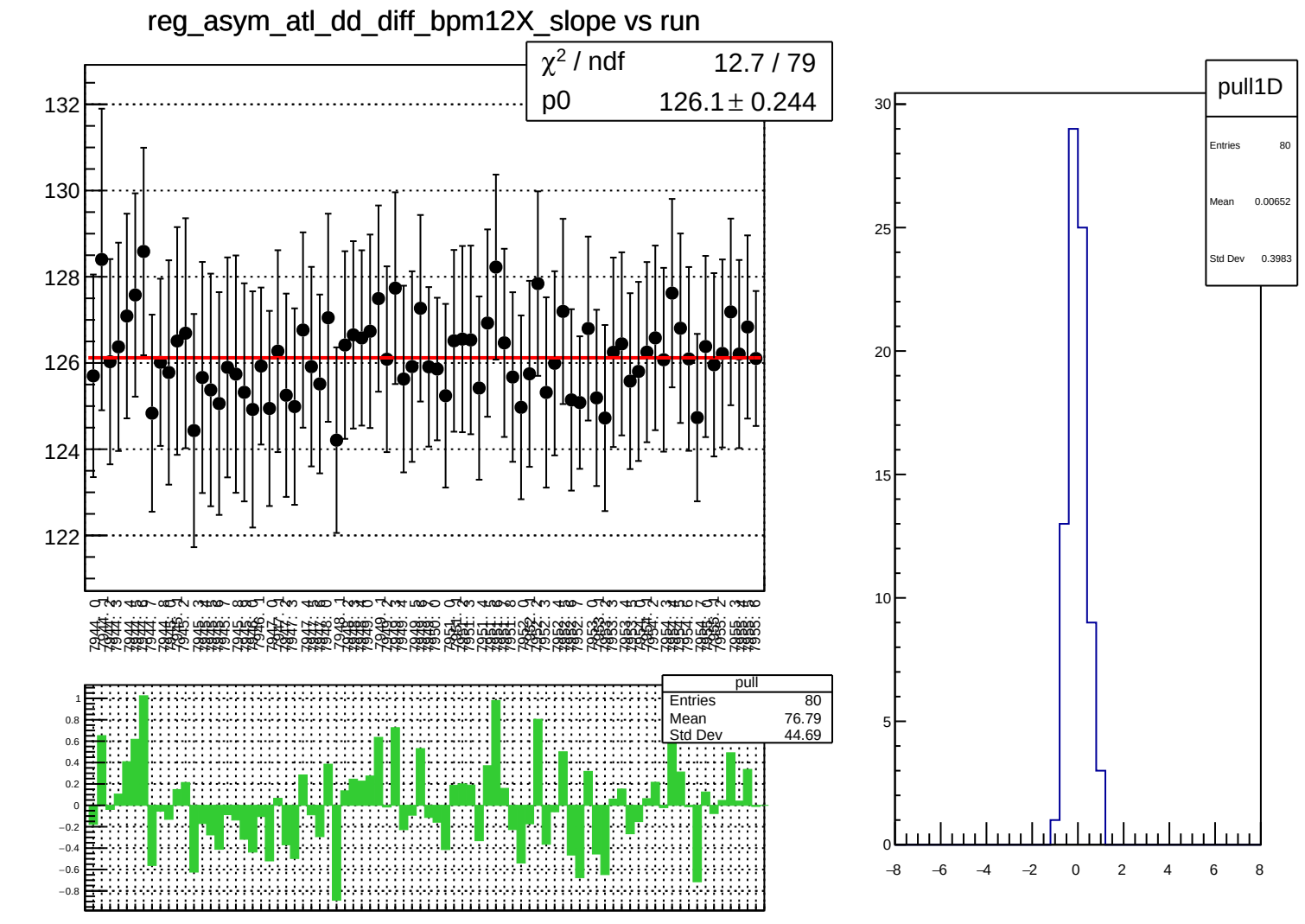

pull1D
Entries 80
Mean 0.01009
Std Dev 0.4003

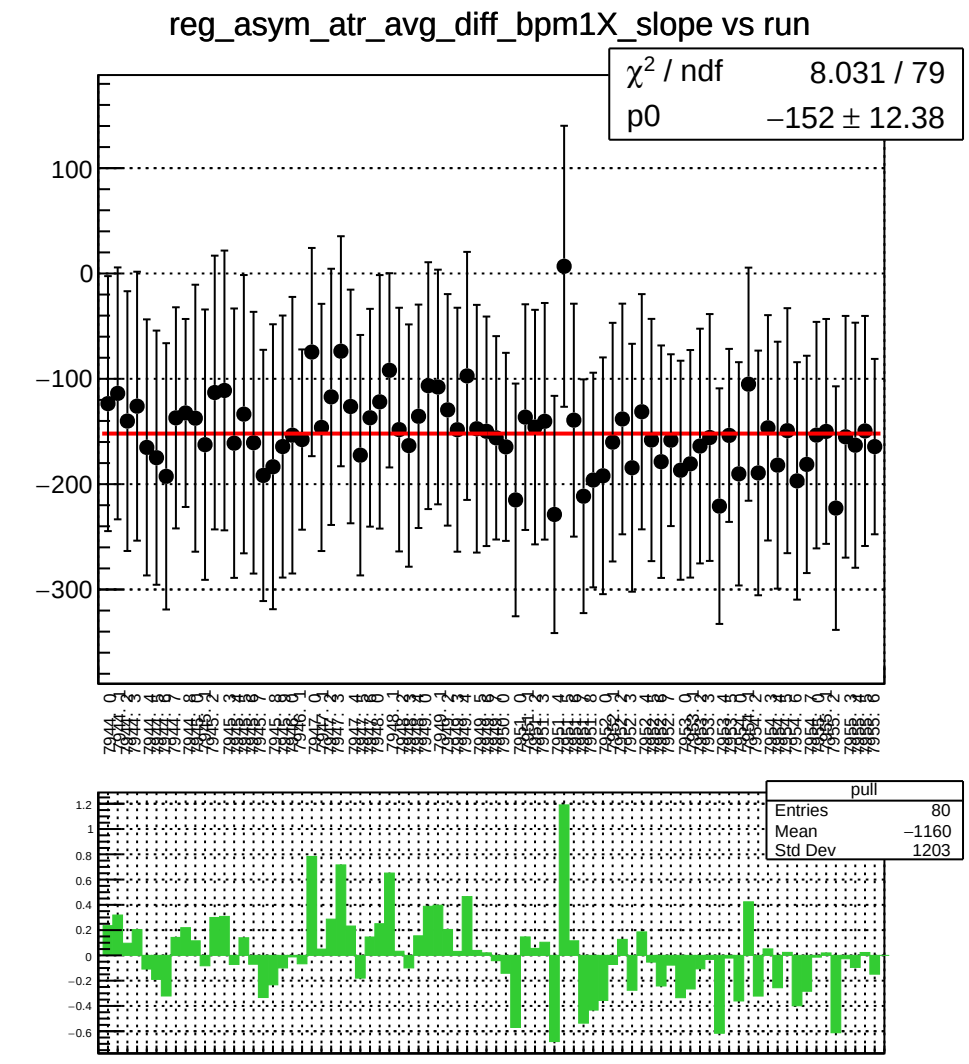

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.841 / 79
p0 −37.91± 7.555
pull
Entries 80
Mean 336.8
Std Dev 293.5

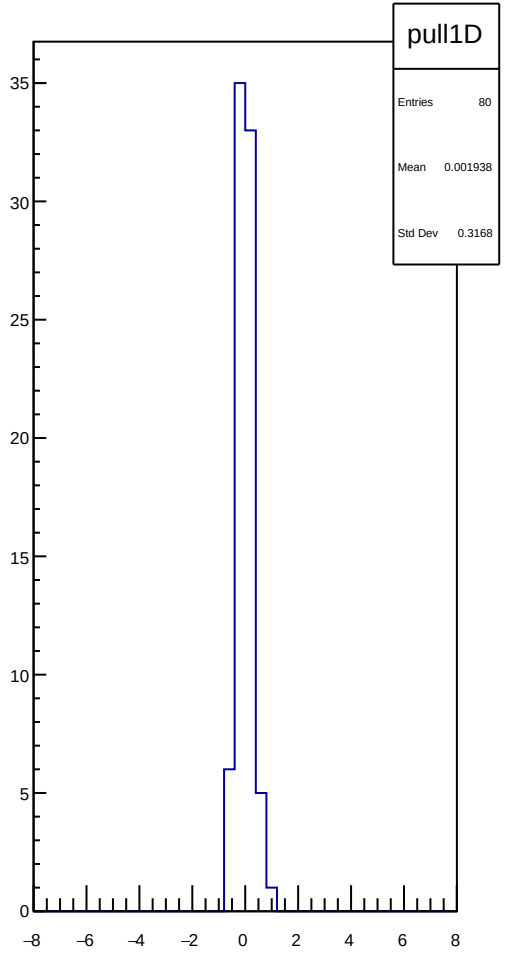

pull1D
Entries 80
Mean −0.005273
Std Dev 0.3324

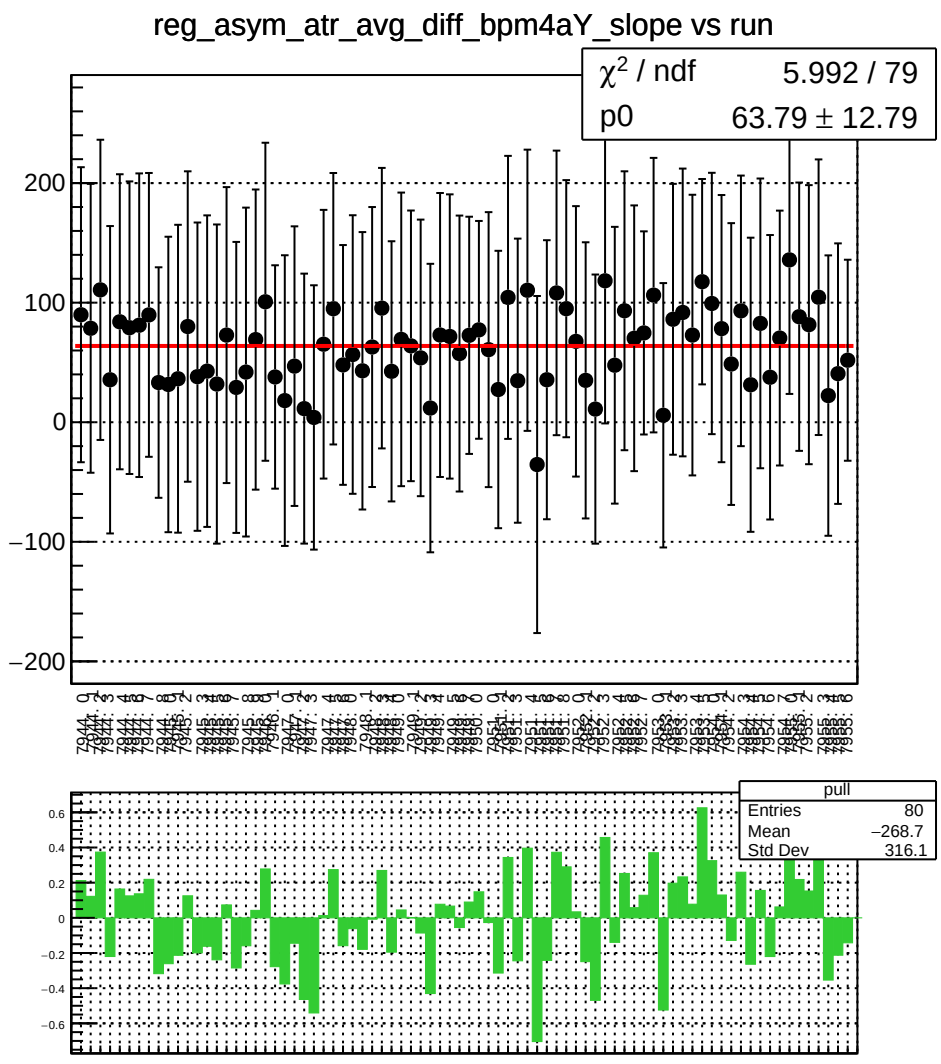

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.15 / 79
p0 −62.29 ± 6.49
pull
Entries 80
Mean 51.77
Std Dev 44.09
pull1D
Entries 80
Mean −0.01074
Std Dev 0.4052

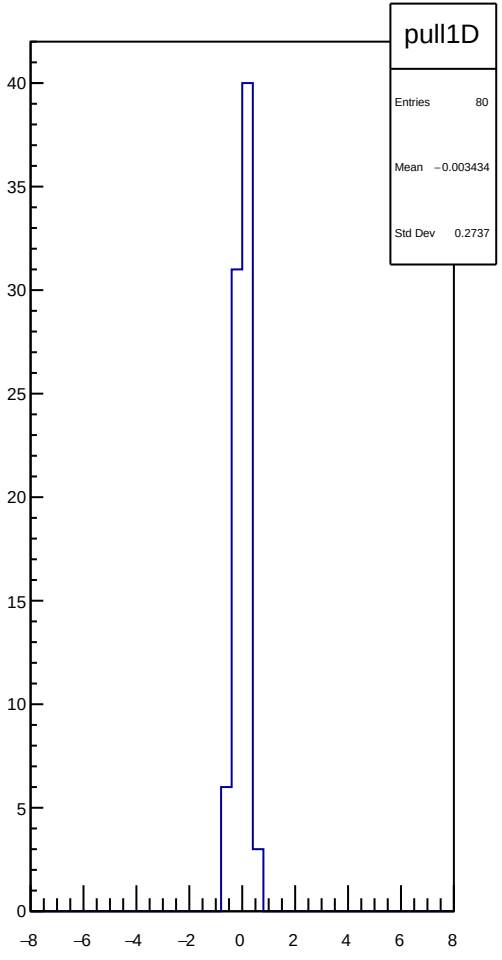

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.937 / 79
p0 −17.2 ± 8.685
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean 208.9
Std Dev 158.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean 0.005745
Std Dev 0.3342
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

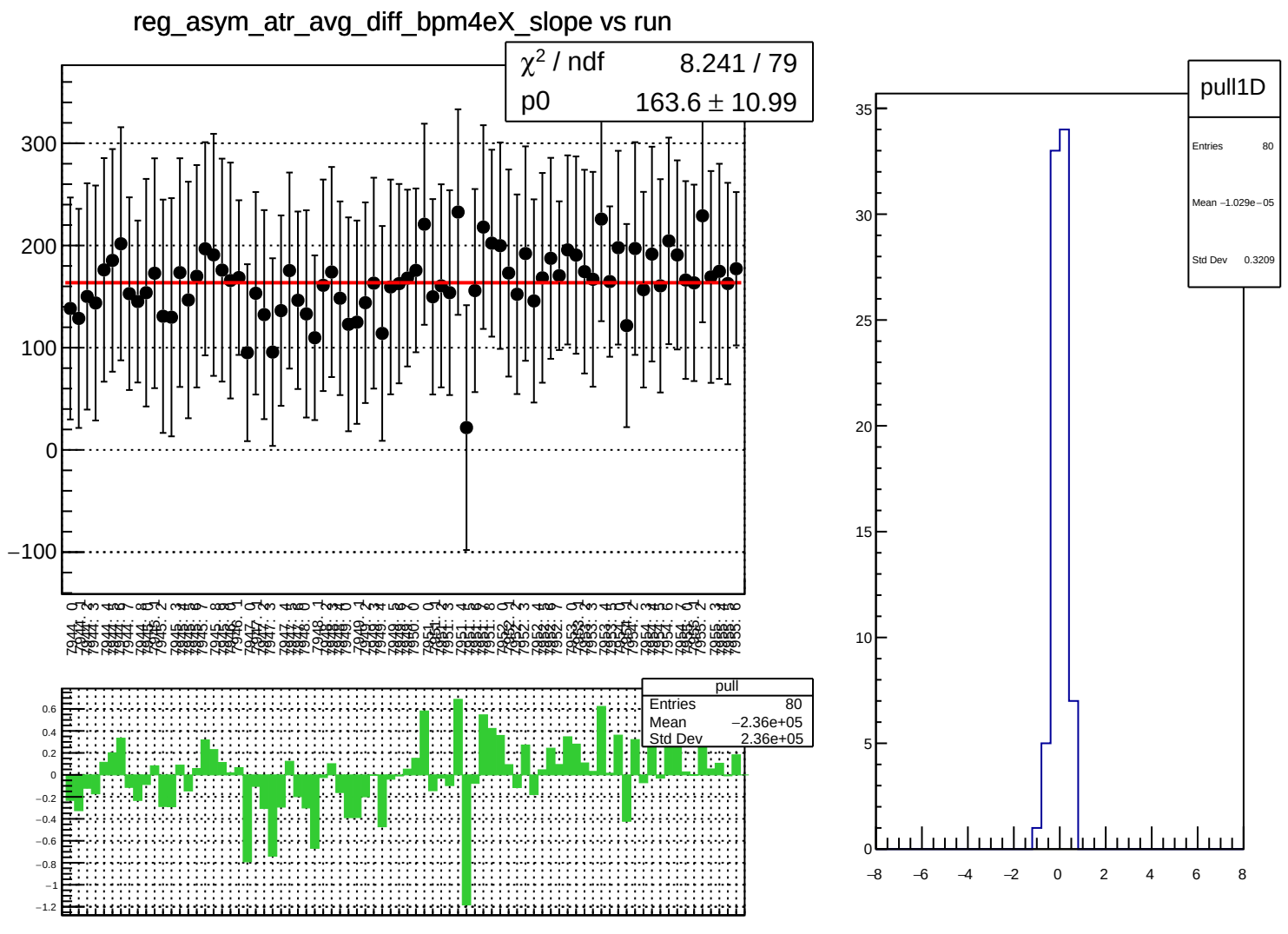

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 12.7 / 79
p0 126.1 ± 0.244
pull
Entries 80
Mean 76.79
Std Dev 44.69
pull1D
Entries 80
Mean 0.00652
Std Dev 0.3983

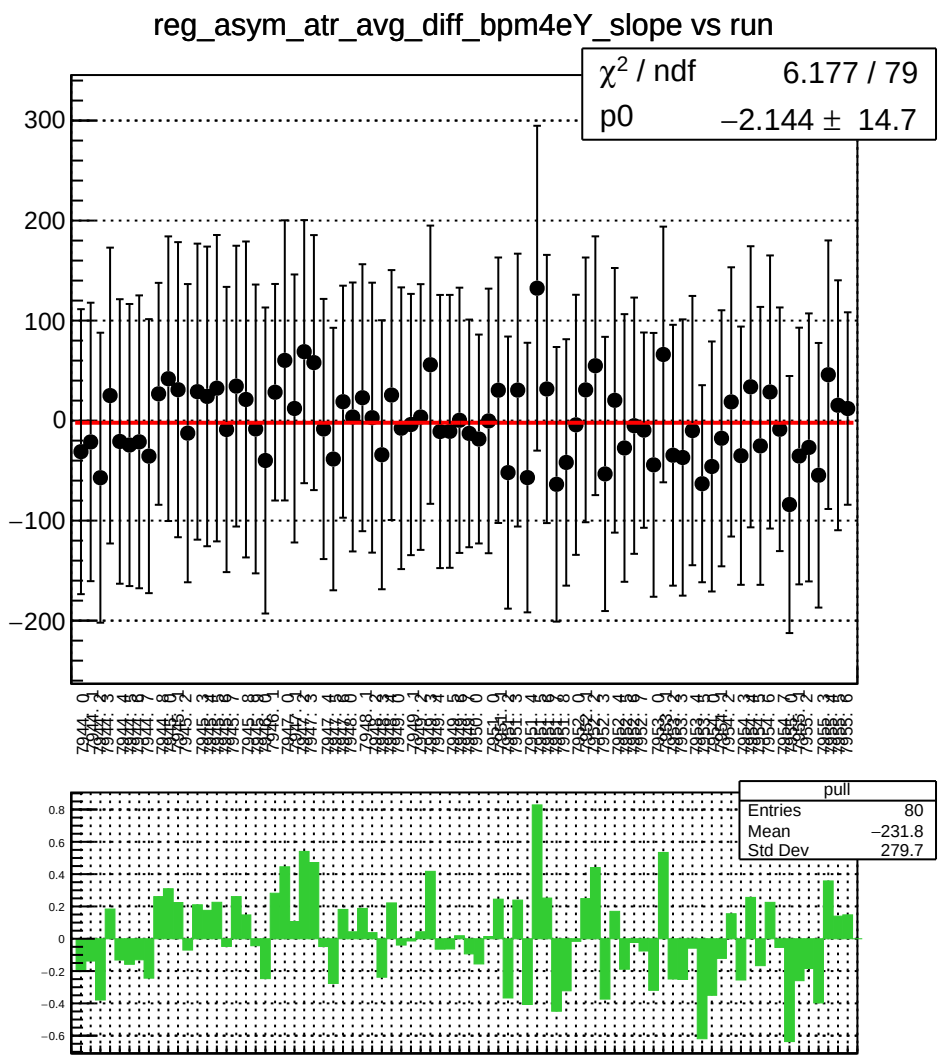

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 8.031 / 79
p0 −152 ± 12.38
pull
Entries 80
Mean −1160
Std Dev 1203

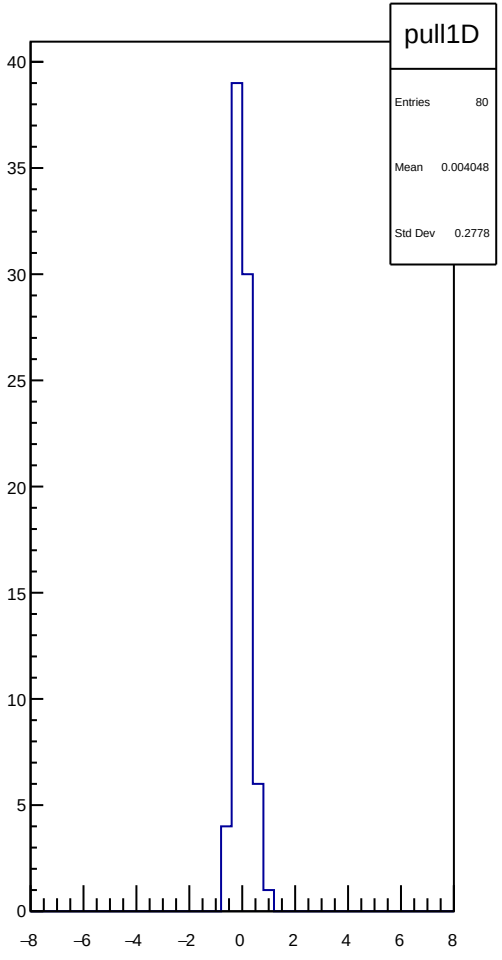

pull1D
Entries 80
Mean 0.001938
Std Dev 0.3168

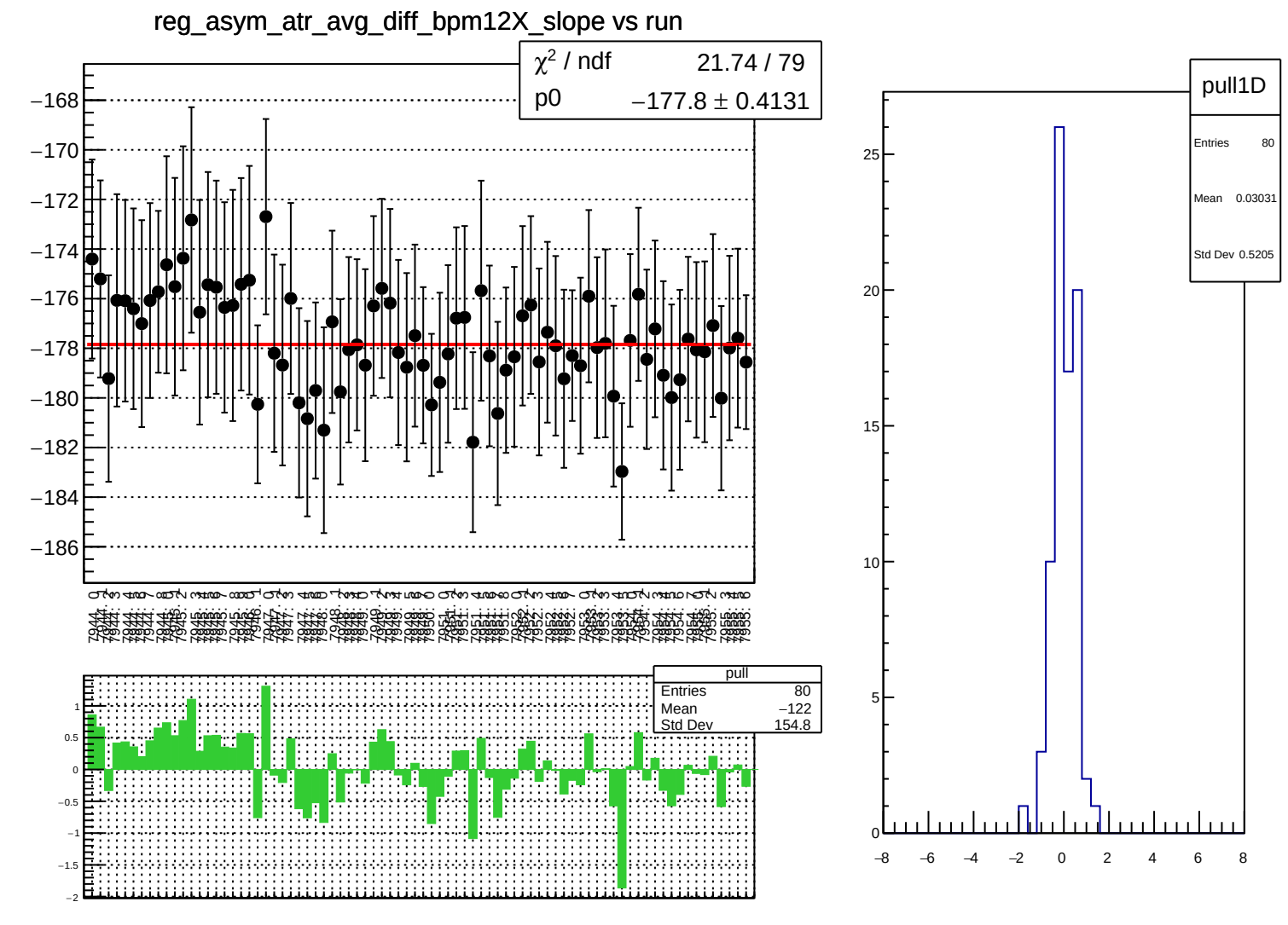

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.992 / 79
p0 63.79 ± 12.79
pull
Entries 80
Mean −268.7
Std Dev 316.1

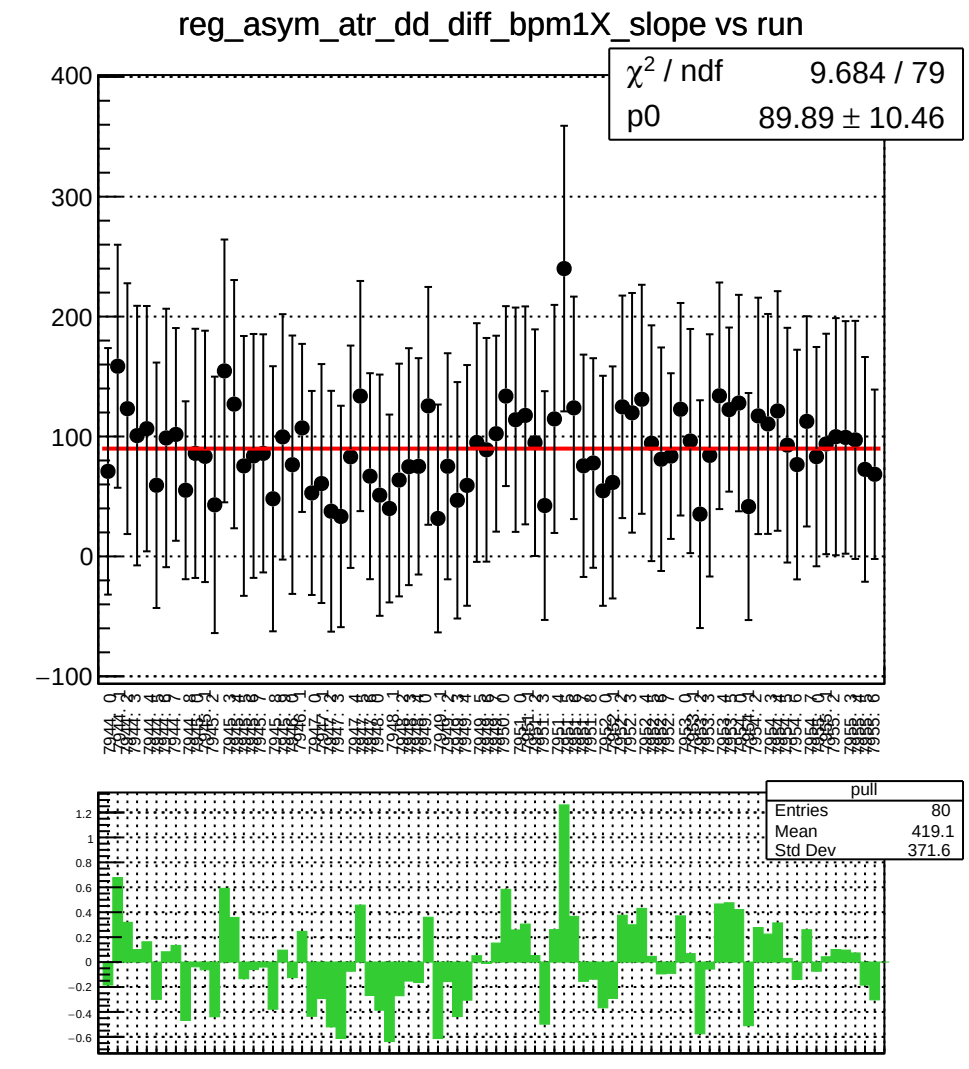

pull1D
Entries 80
Mean −0.003434
Std Dev 0.2737

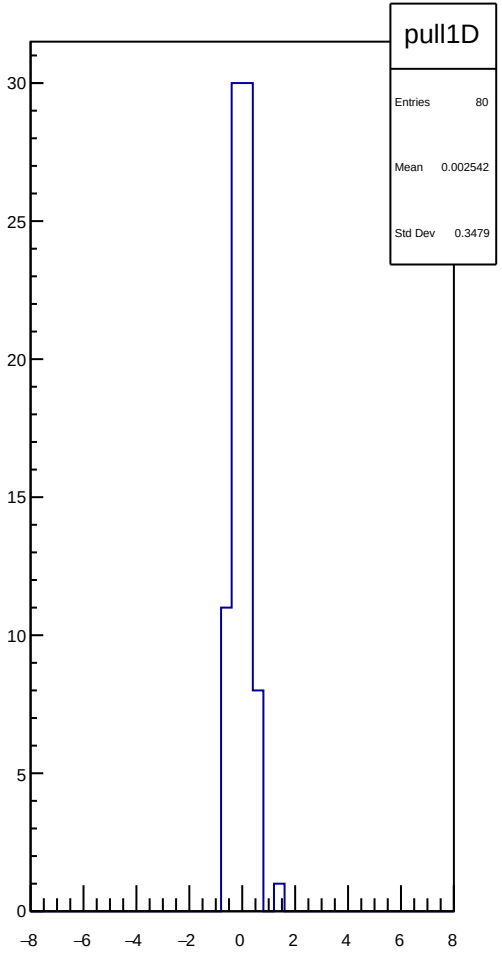

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.241 / 79
p0 163.6 ± 10.99
300
200
100
0
−100
pull
Entries 80
Mean −2.36e+05
Std Dev 2.36e+05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 80
Mean −1.029e−05
Std Dev 0.3209
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

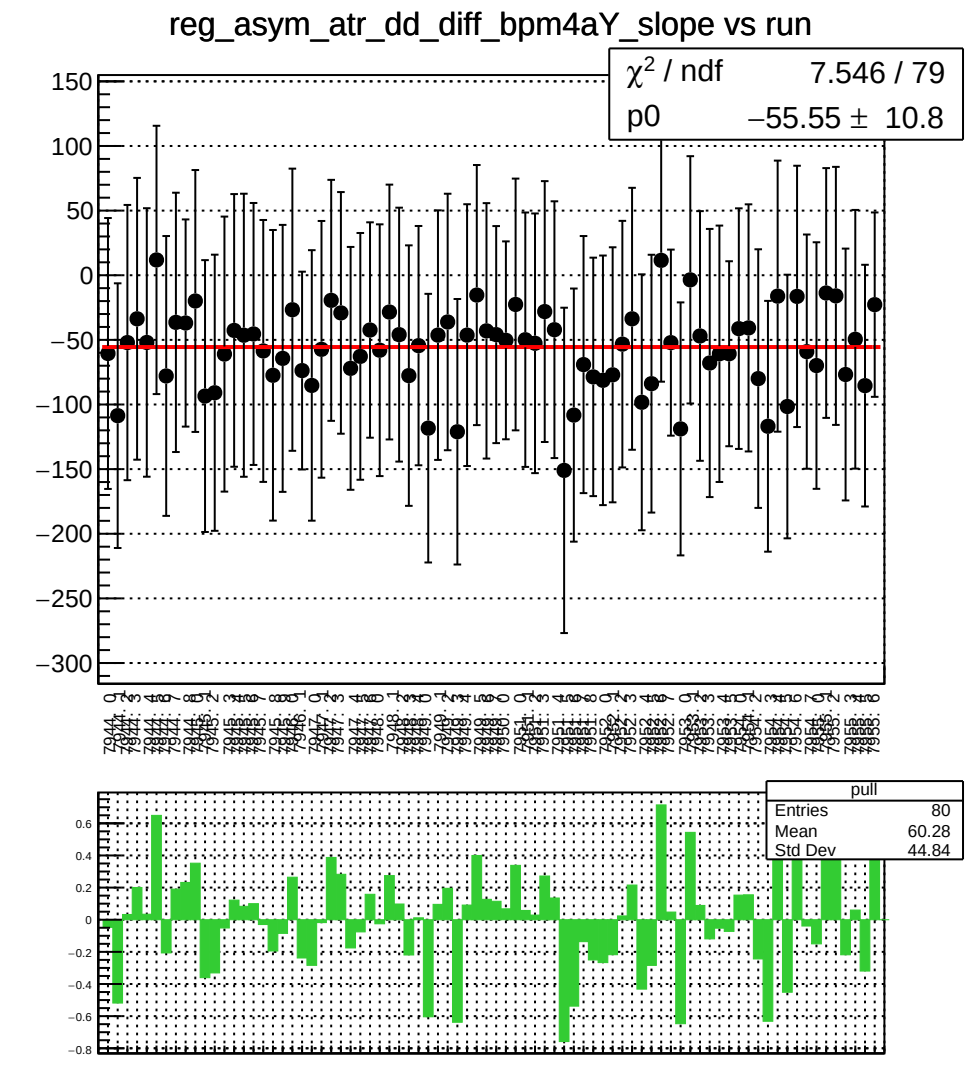

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.177 / 79
p0 −2.144 ± 14.7
pull
Entries 80
Mean −231.8
Std Dev 279.7

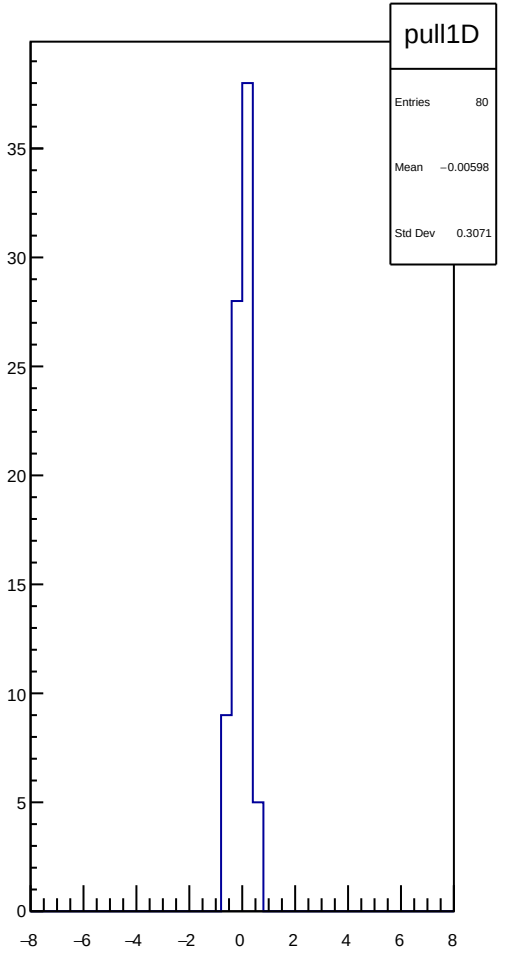

pull1D
Entries 80
Mean 0.004048
Std Dev 0.2778

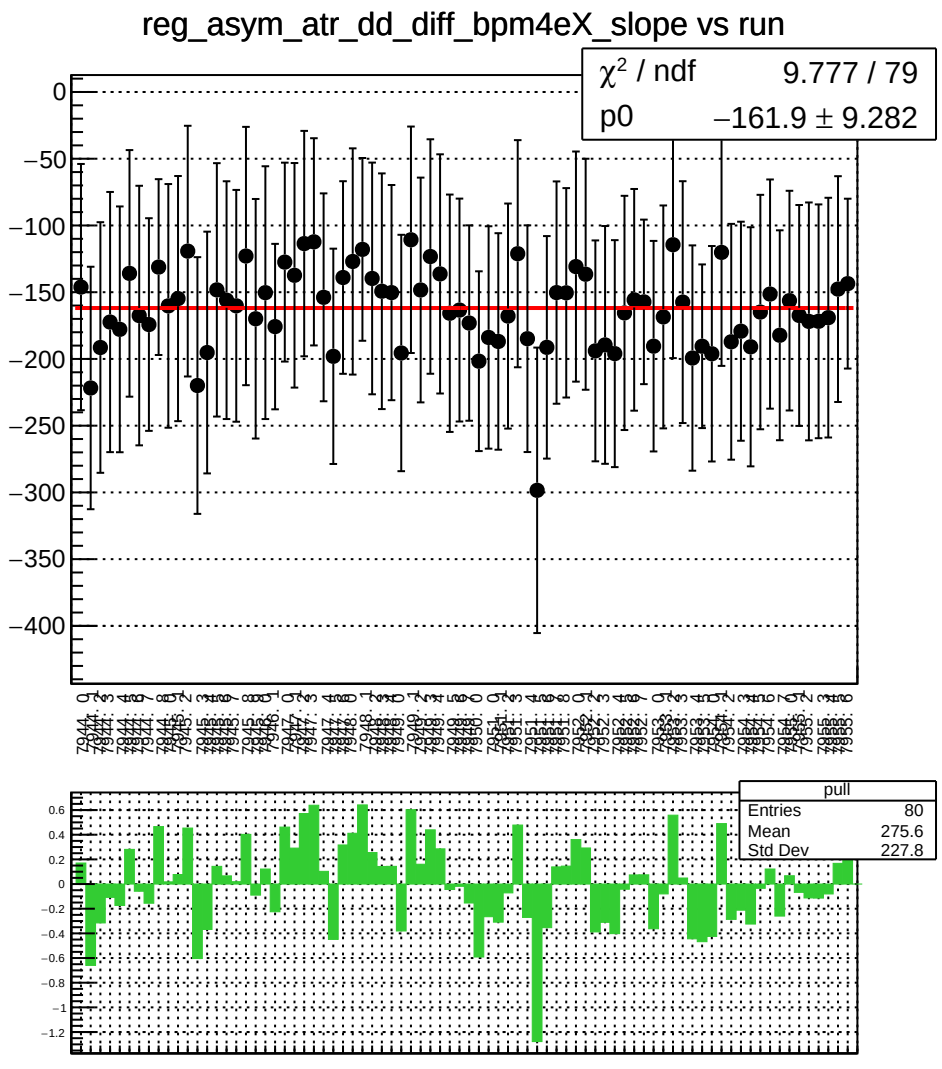

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 21.74 / 79
p0 −177.8 ± 0.4131
pull
Entries 80
Mean −122
Std Dev 154.8
pull1D
Entries 80
Mean 0.03031
Std Dev 0.5205

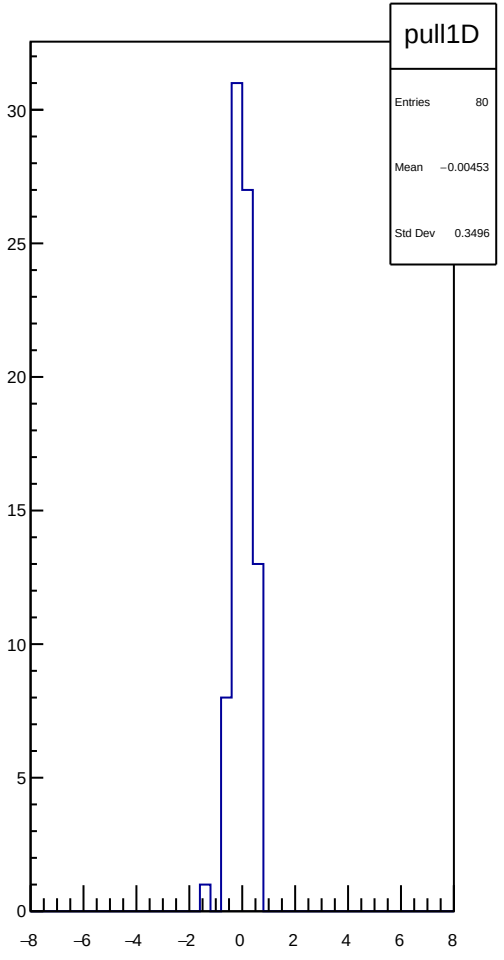

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 9.684 / 79
p0 89.89 ± 10.46
pull
Entries 80
Mean 419.1
Std Dev 371.6

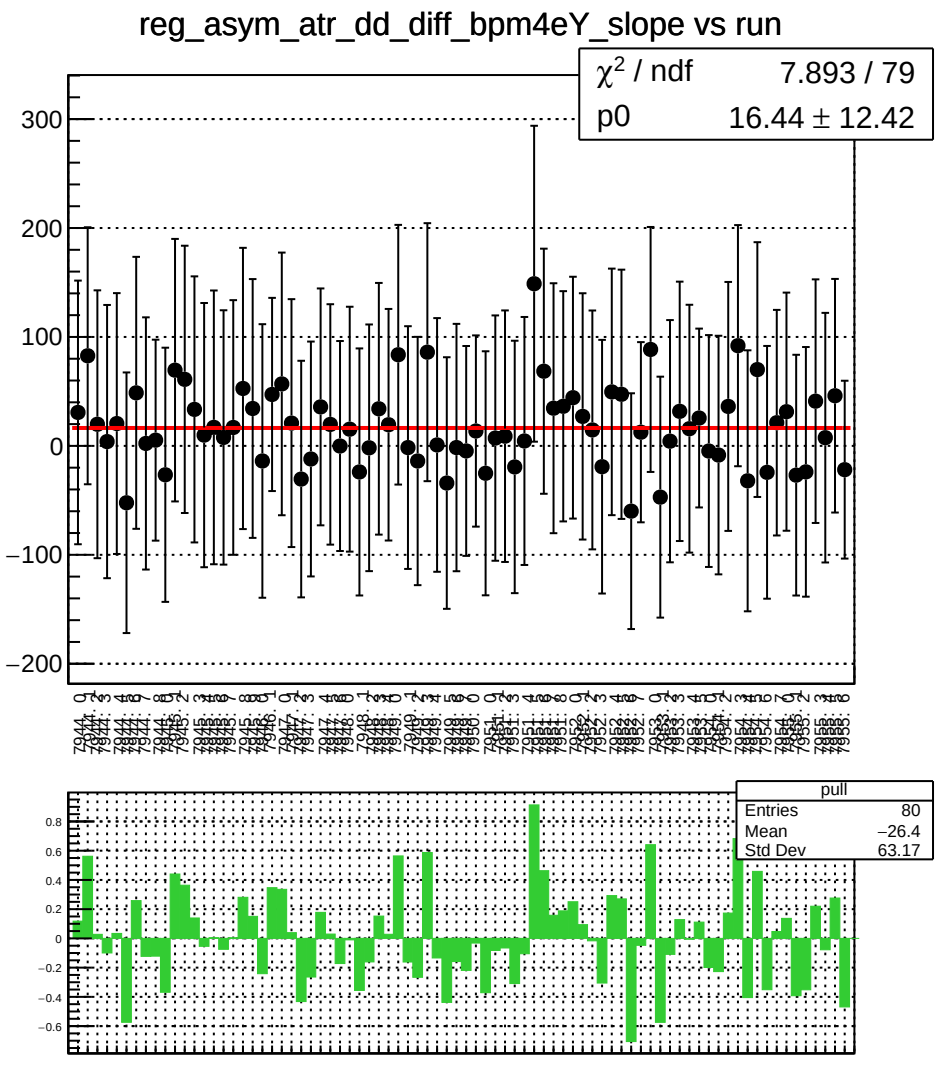

pull1D
Entries 80
Mean 0.002542
Std Dev 0.3479

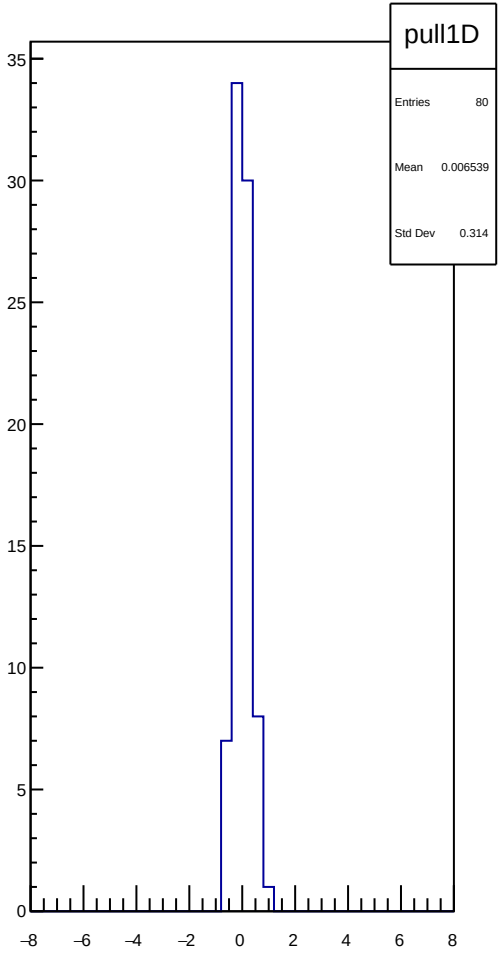

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.546 / 79
p0 −55.55 ± 10.8
pull
Entries 80
Mean 60.28
Std Dev 44.84

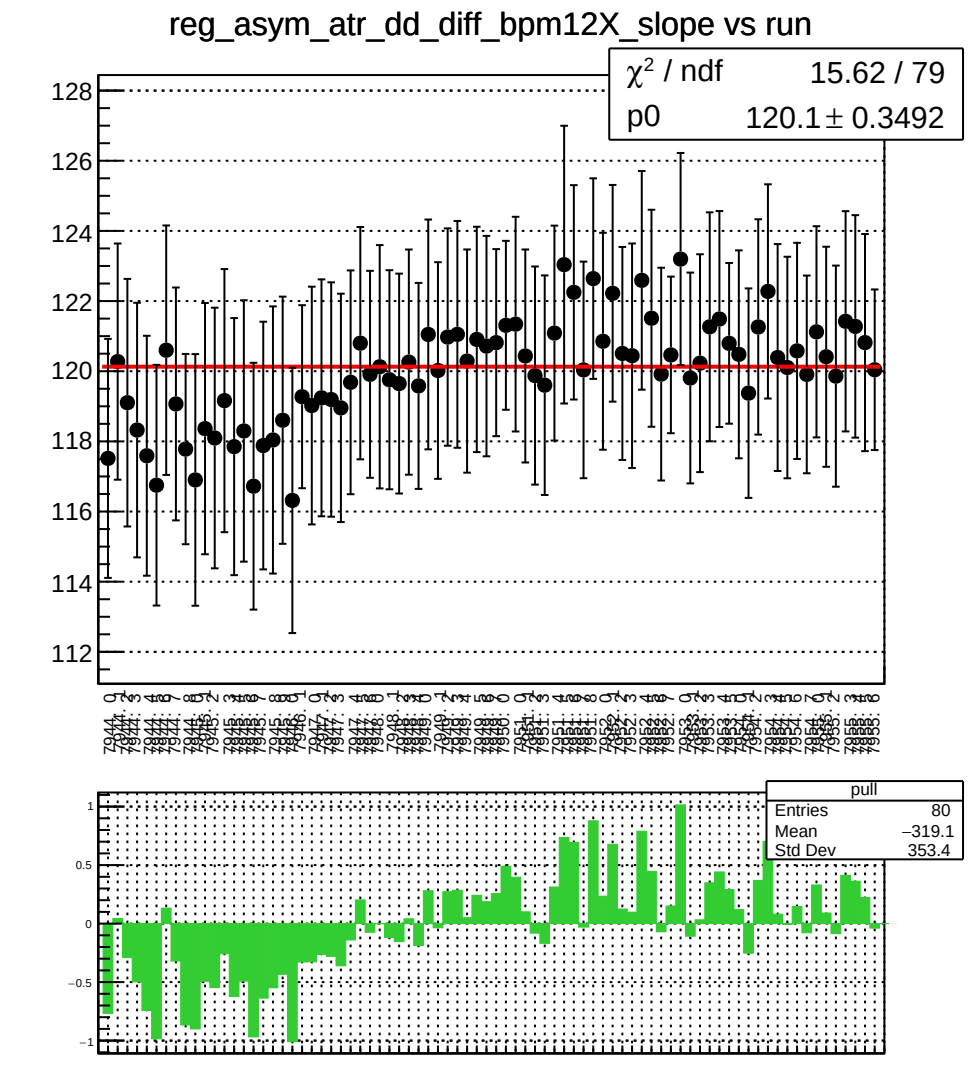

pull1D
Entries 80
Mean −0.00598
Std Dev 0.3071

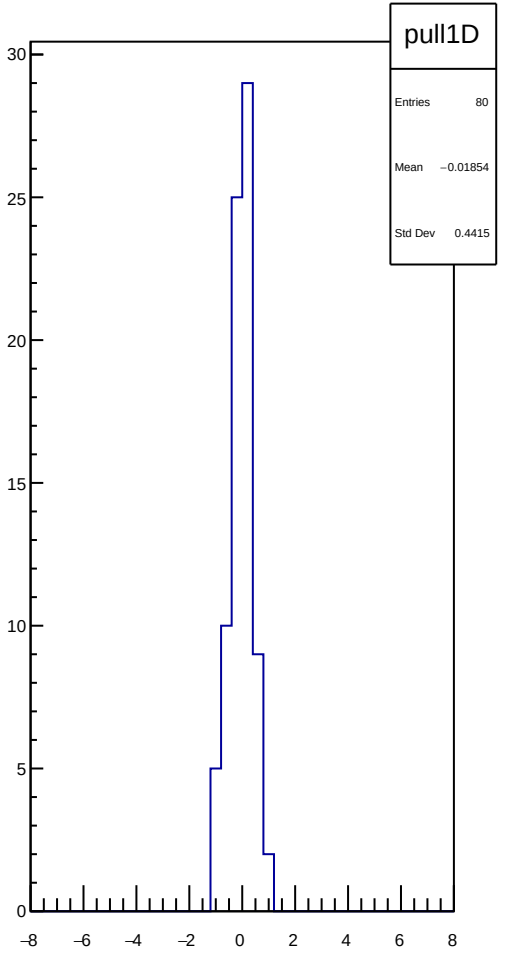

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.777 / 79
p0 −161.9 ± 9.282
pull
Entries 80
Mean 275.6
Std Dev 227.8

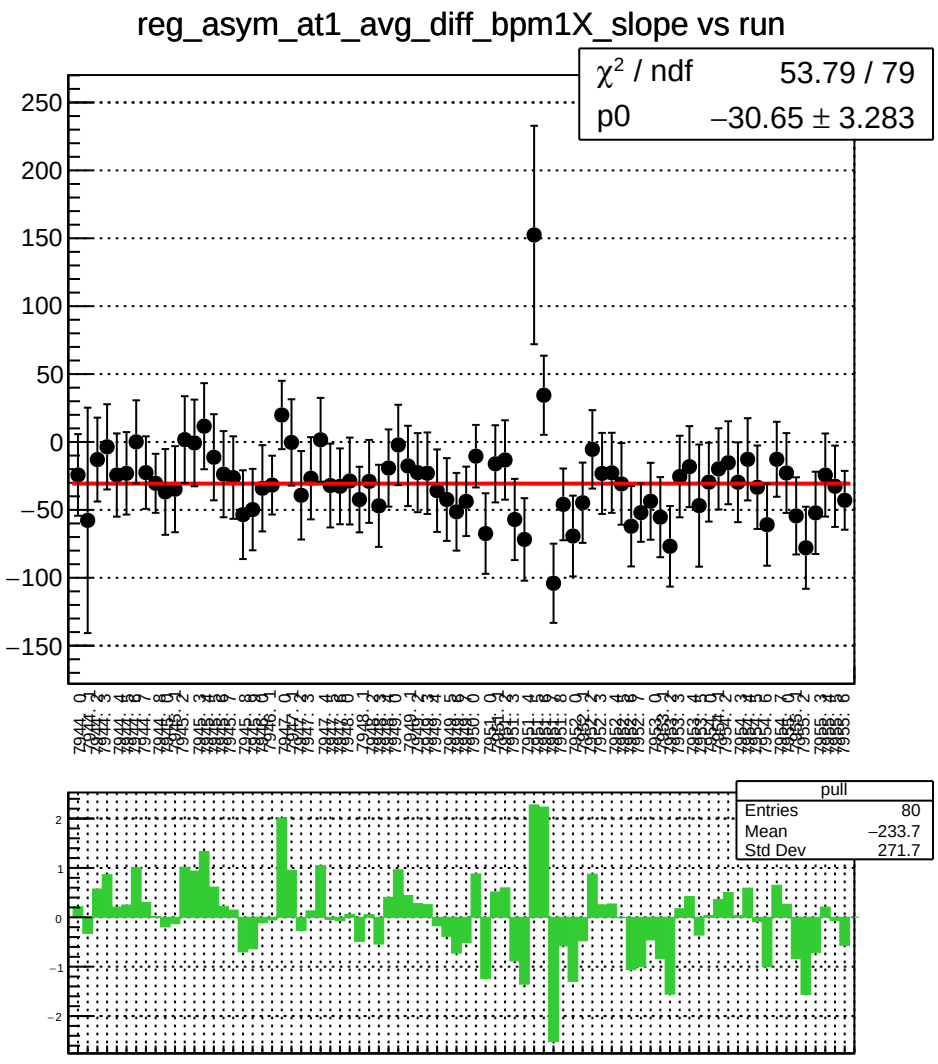

pull1D
Entries 80
Mean −0.00453
Std Dev 0.3496

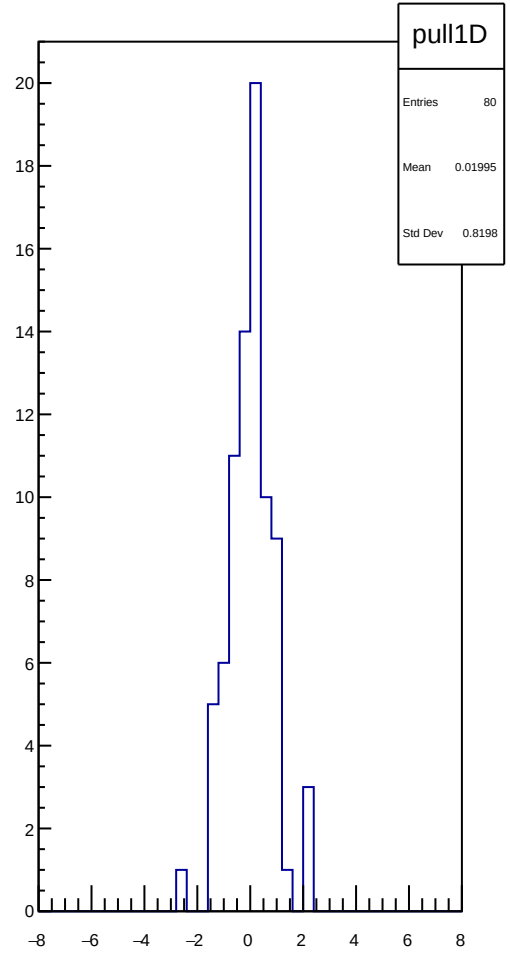

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.893 / 79
p0 16.44 ± 12.42
pull
Entries 80
Mean −26.4
Std Dev 63.17

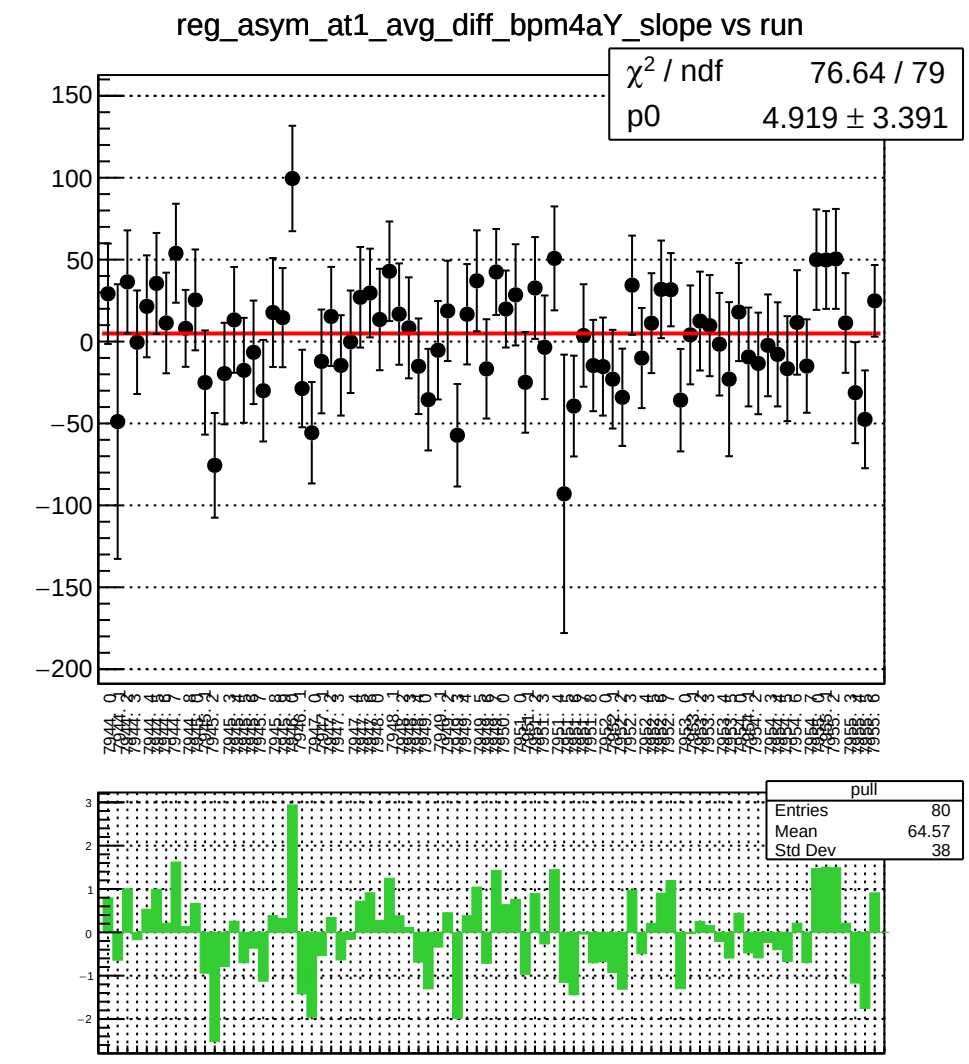

pull1D
Entries 80
Mean 0.006539
Std Dev 0.314

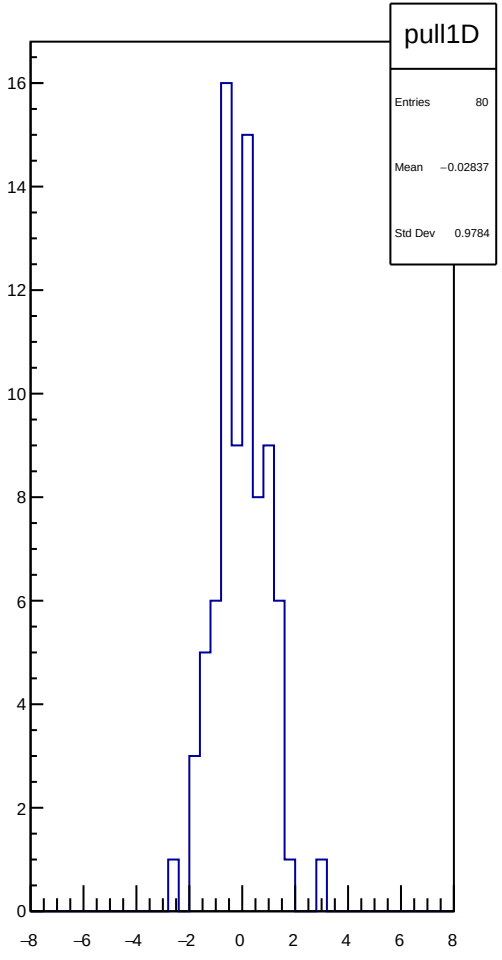

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 15.62 / 79
p0 120.1 ± 0.3492
pull
Entries 80
Mean −319.1
Std Dev 353.4

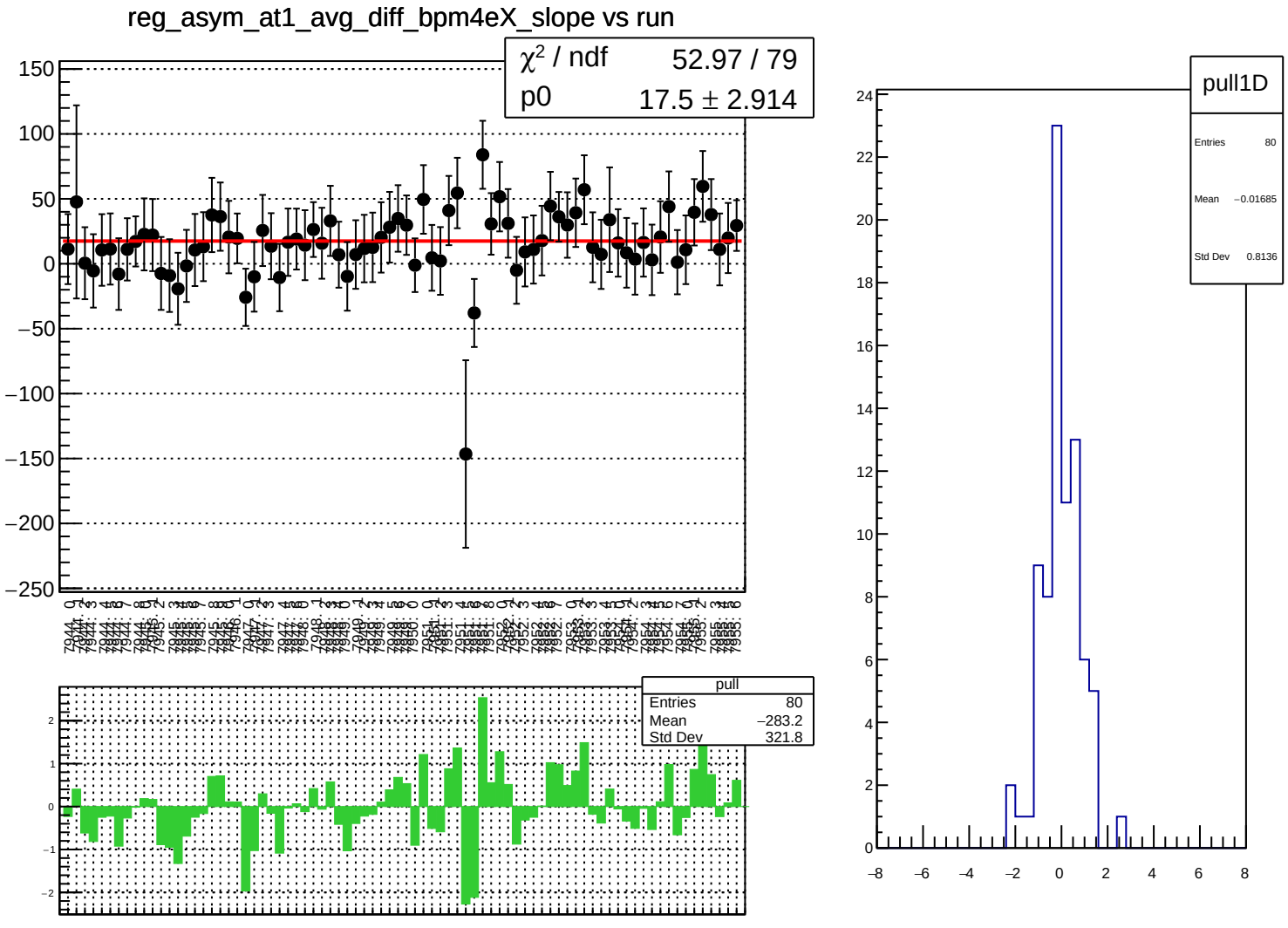

pull1D
Entries 80
Mean −0.01854
Std Dev 0.4415

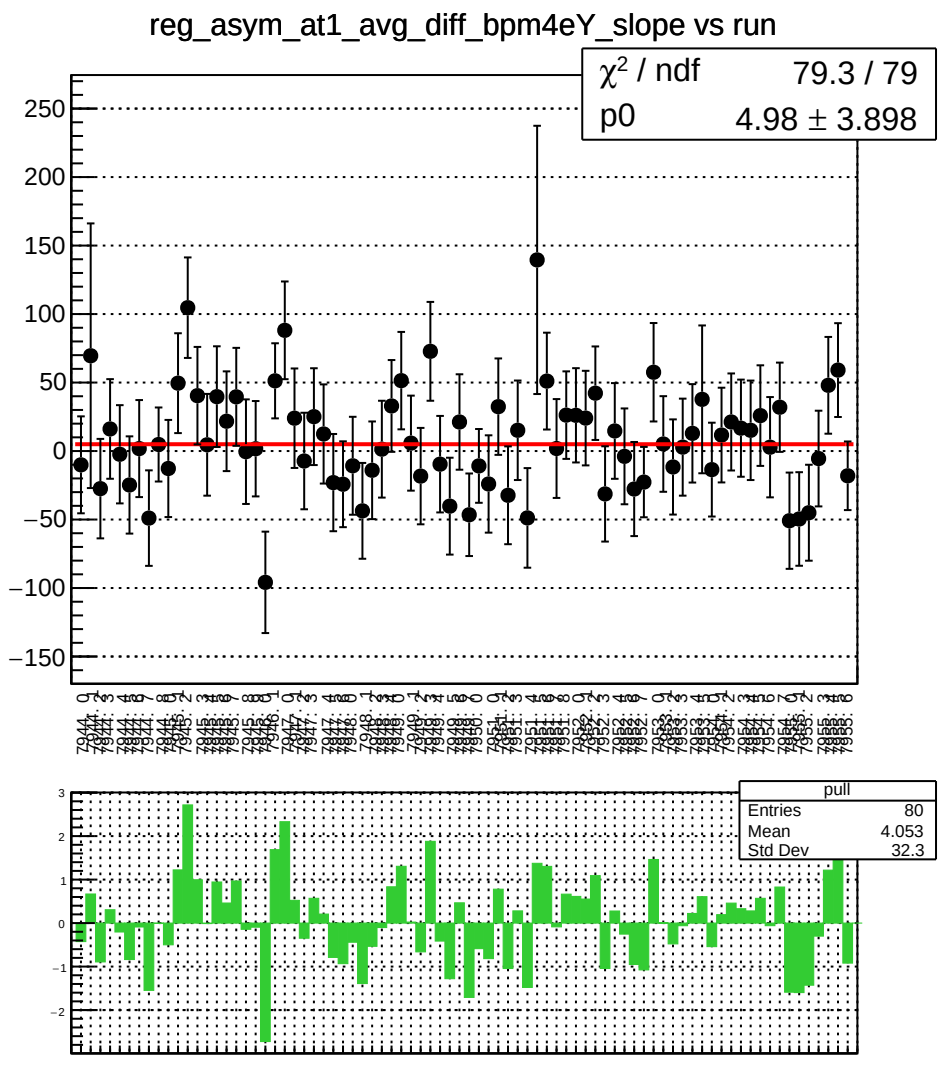

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 53.79 / 79
p0 −30.65 ± 3.283
pull
Entries 80
Mean −233.7
Std Dev 271.7

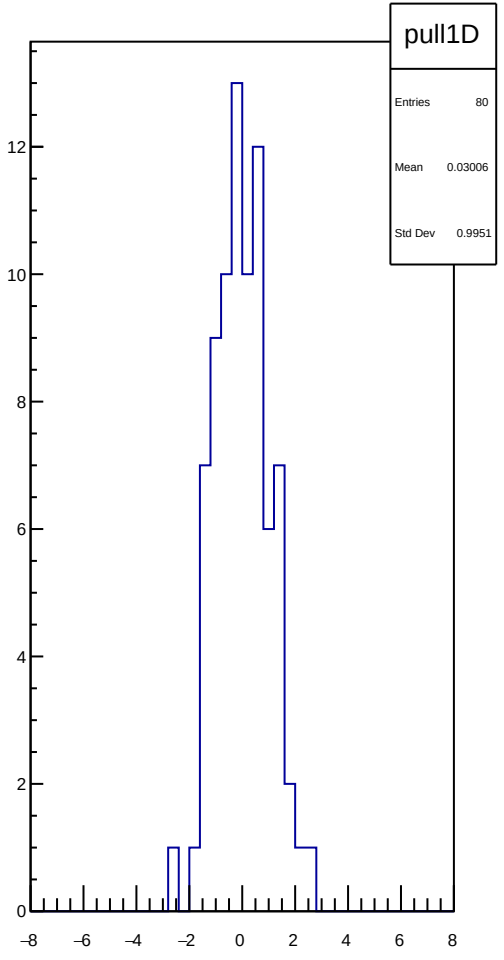

pull1D
Entries 80
Mean 0.01995
Std Dev 0.8198

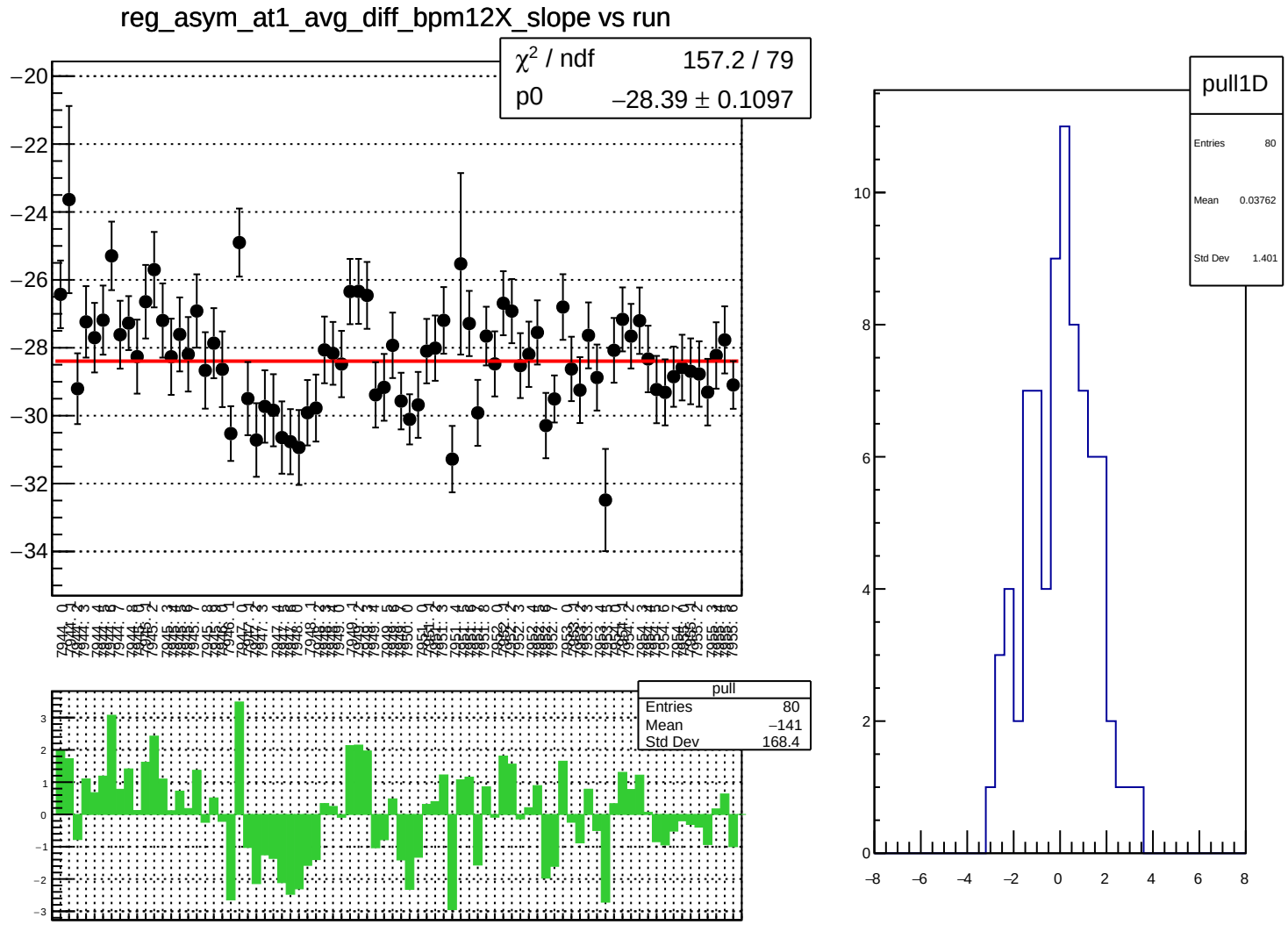

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 76.64 / 79
p0 4.919 ± 3.391
pull
Entries 80
Mean 64.57
Std Dev 38

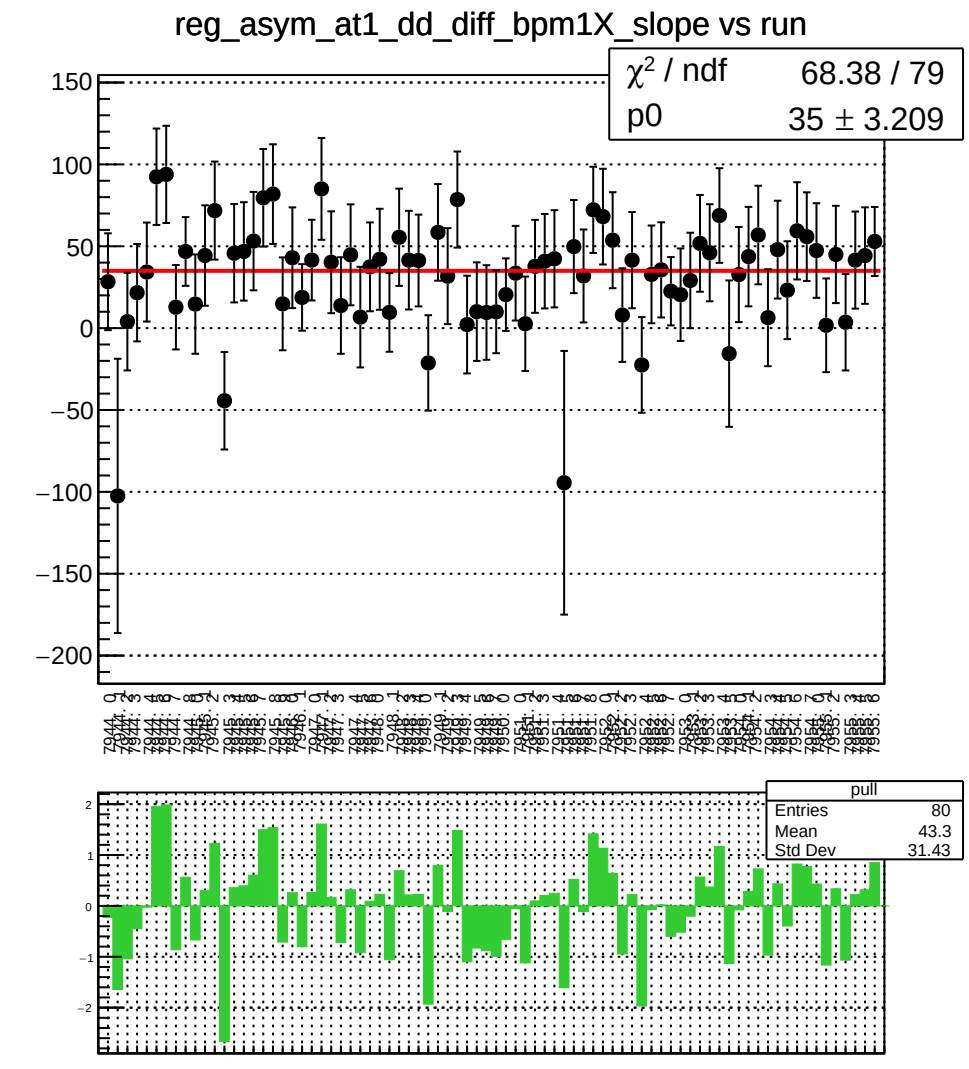

pull1D
Entries 80
Mean −0.02837
Std Dev 0.9784

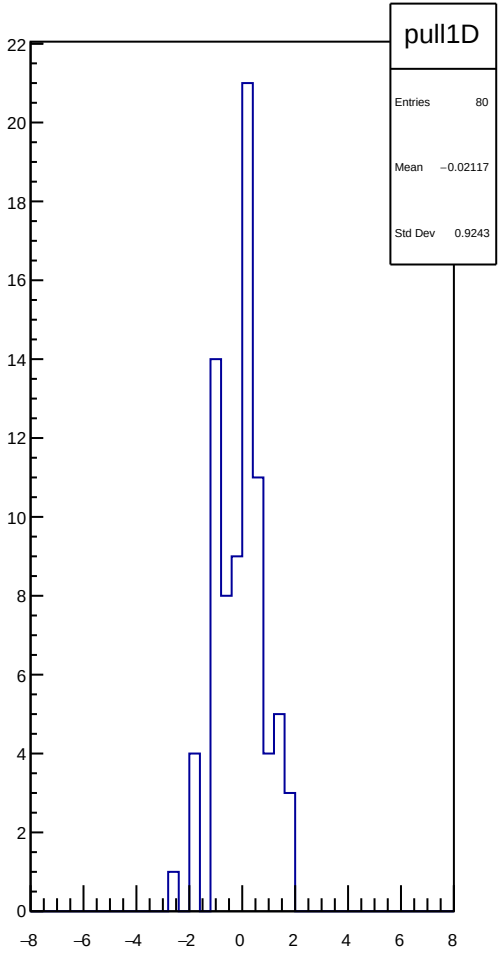

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.97 / 79
p0 17.5 ± 2.914
pull
Entries 80
Mean −283.2
Std Dev 321.8
pull1D
Entries 80
Mean −0.01685
Std Dev 0.8136

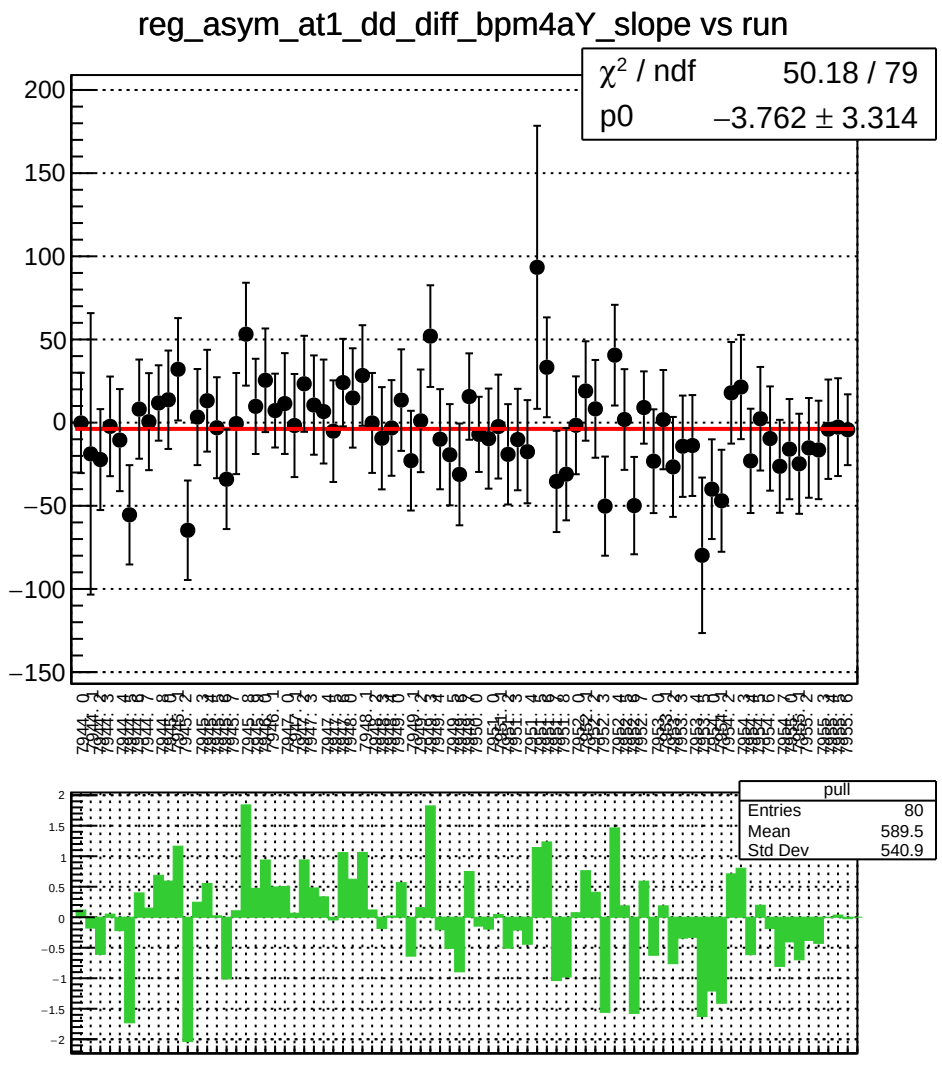

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 79.3 / 79
p0 4.98 ± 3.898
250
200
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean 4.053
Std Dev 32.3
3
2
1
0
−1
−2

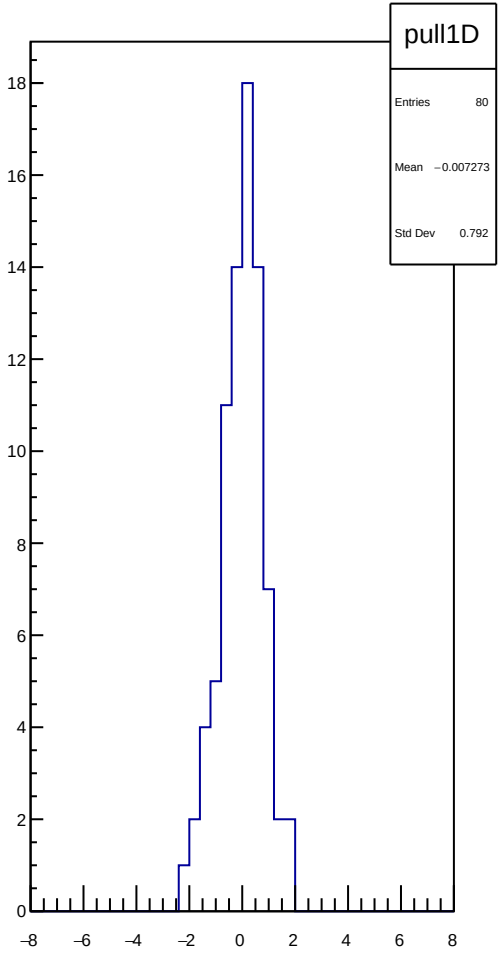

pull1D
Entries 80
Mean 0.03006
Std Dev 0.9951
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

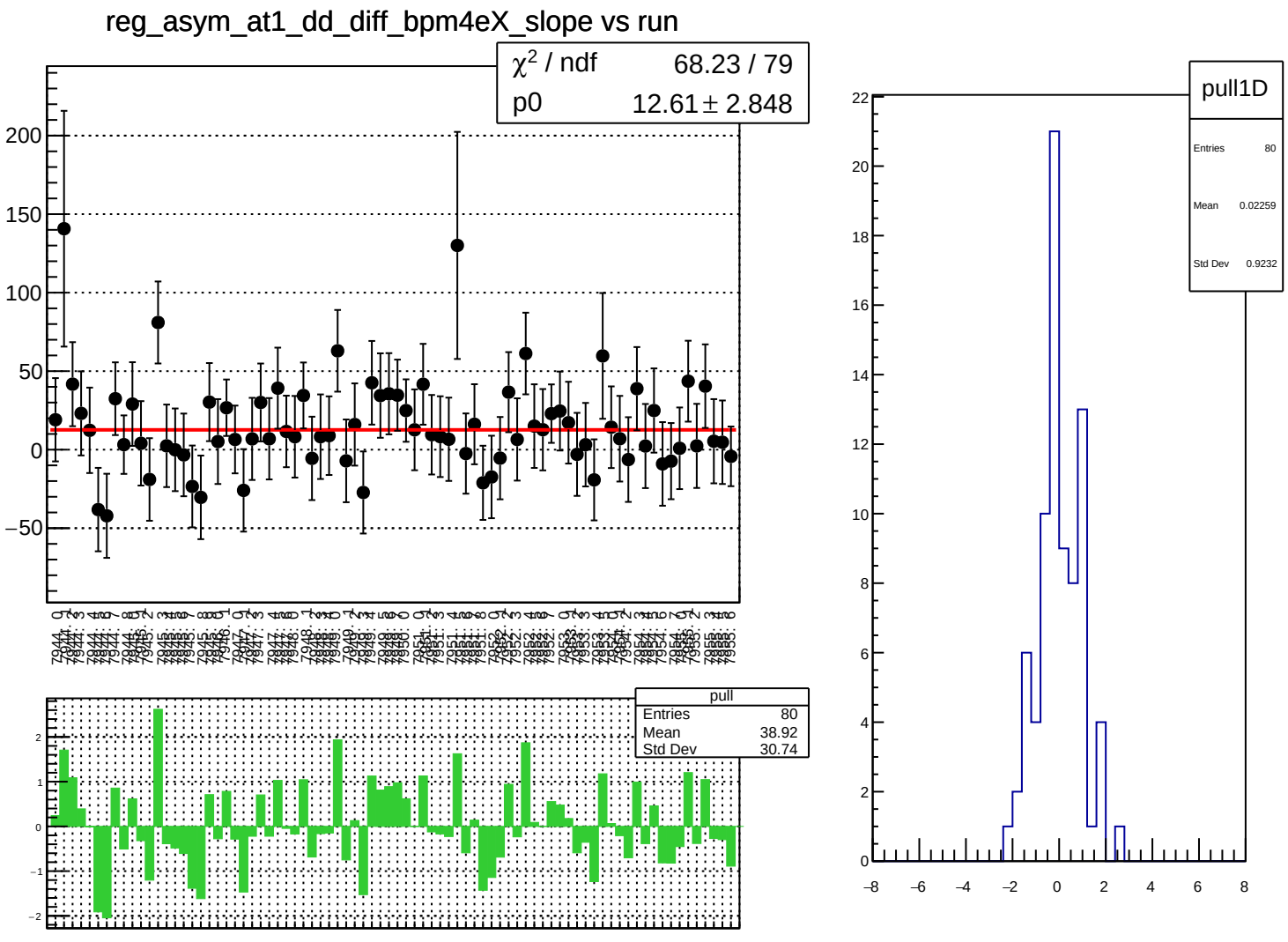

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 157.2 / 79
p0 −28.39 ± 0.1097
pull
Entries 80
Mean −141
Std Dev 168.4
pull1D
Entries 80
Mean 0.03762
Std Dev 1.401

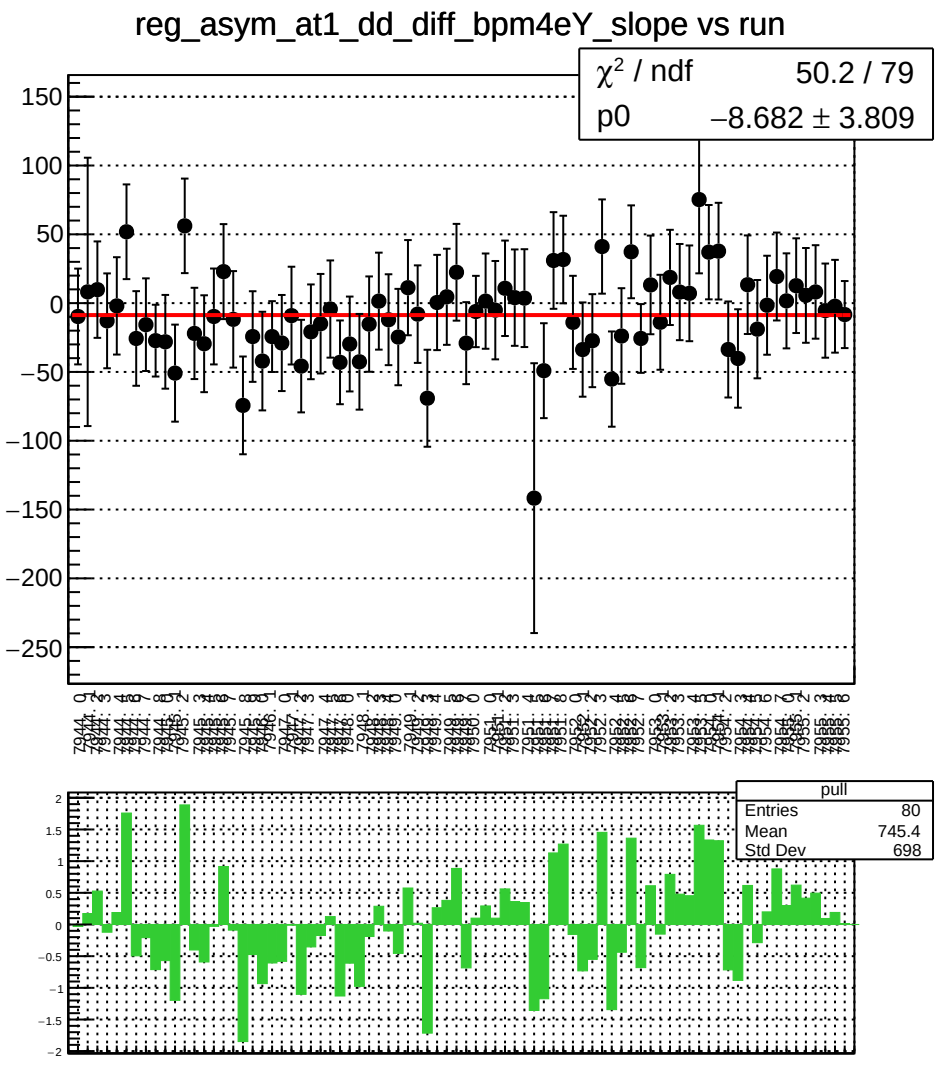

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 68.38 / 79
p0 35 ± 3.209
pull
Entries 80
Mean 43.3
Std Dev 31.43

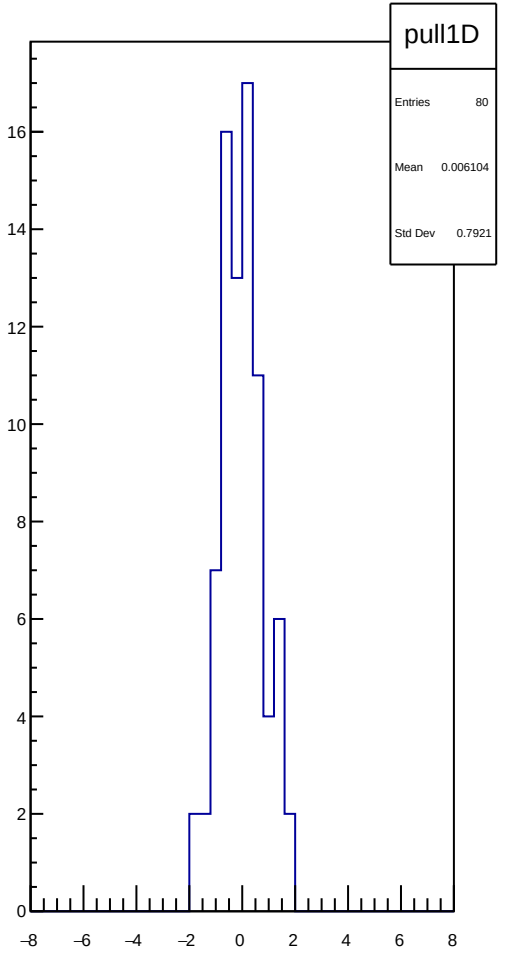

pull1D
Entries 80
Mean −0.02117
Std Dev 0.9243

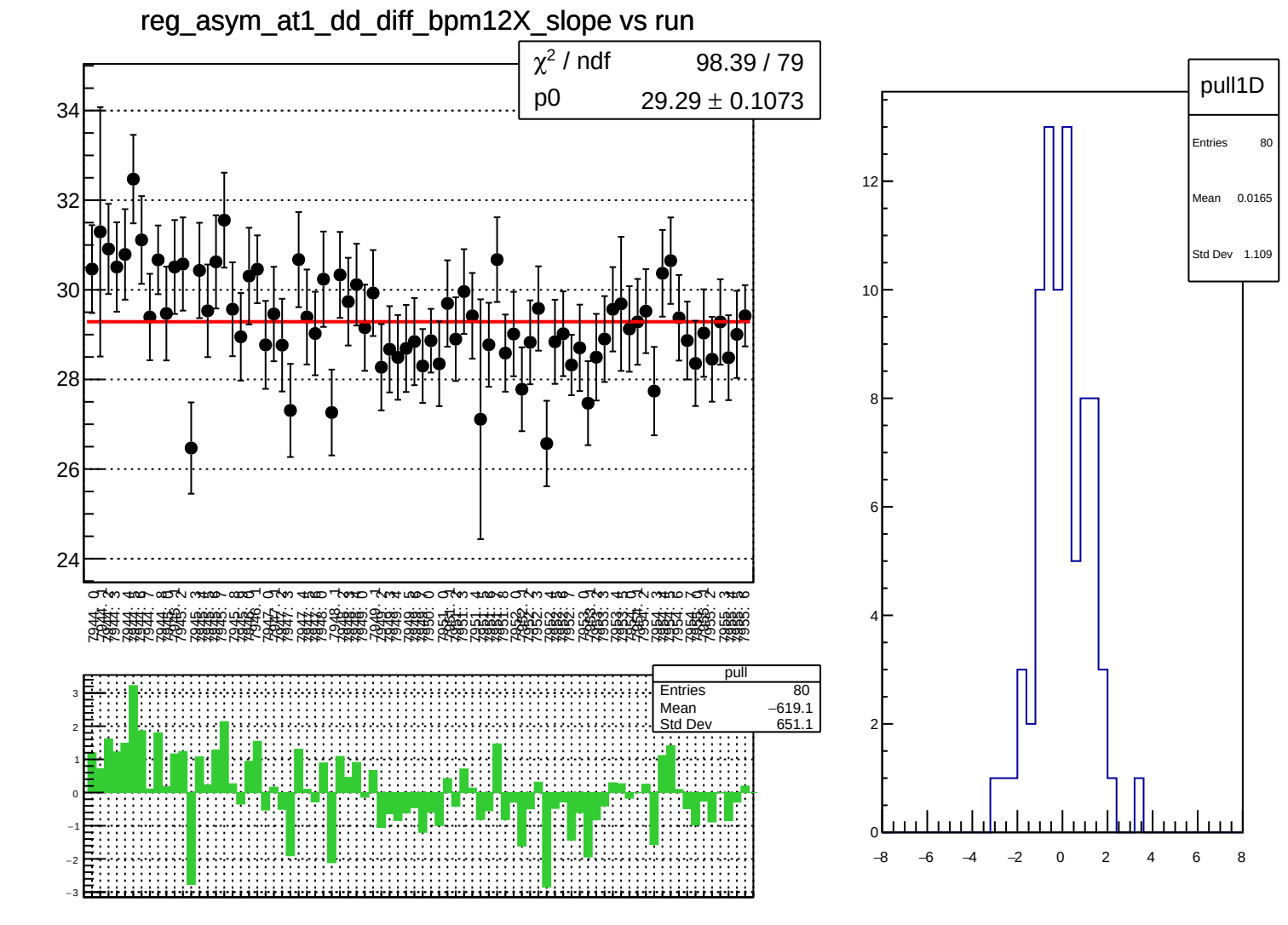

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.18 / 79
p0 −3.762 ± 3.314
pull
Entries 80
Mean 589.5
Std Dev 540.9

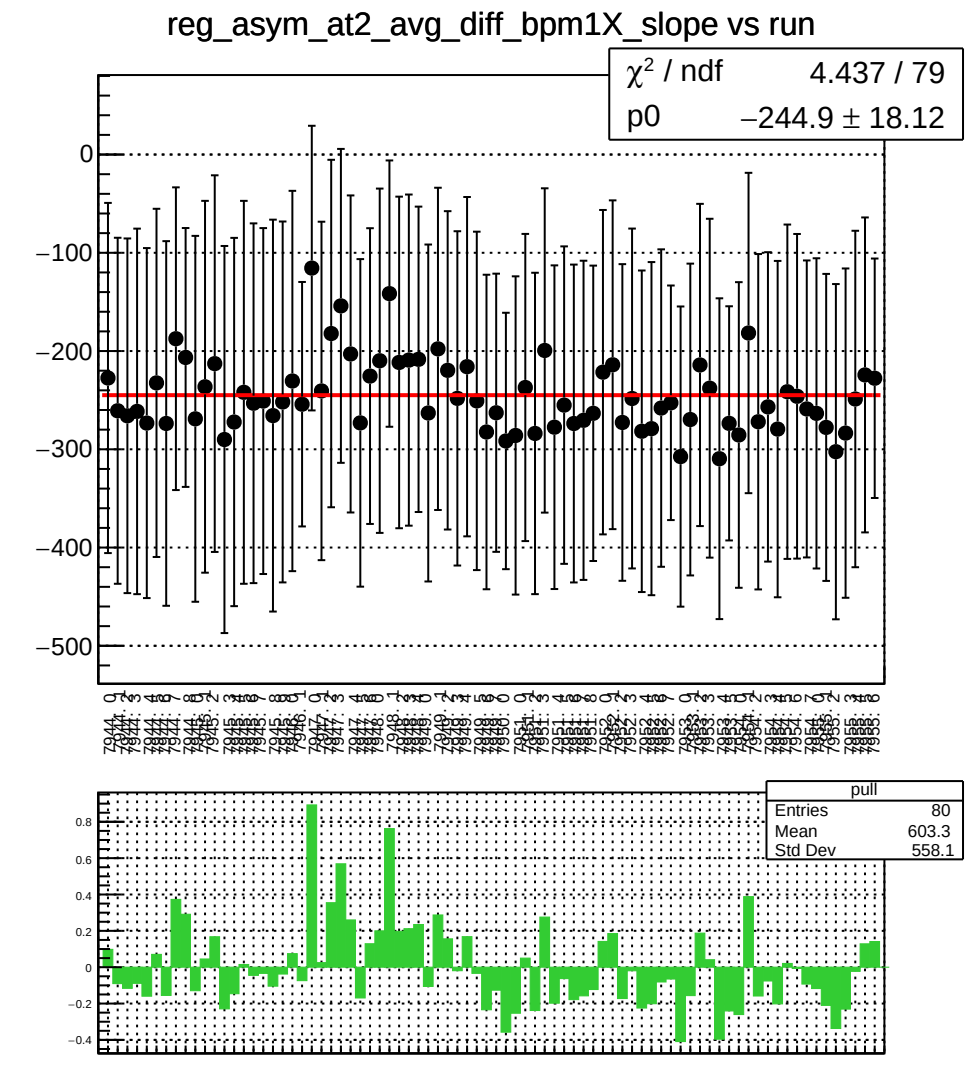

pull1D
Entries 80
Mean −0.007273
Std Dev 0.792

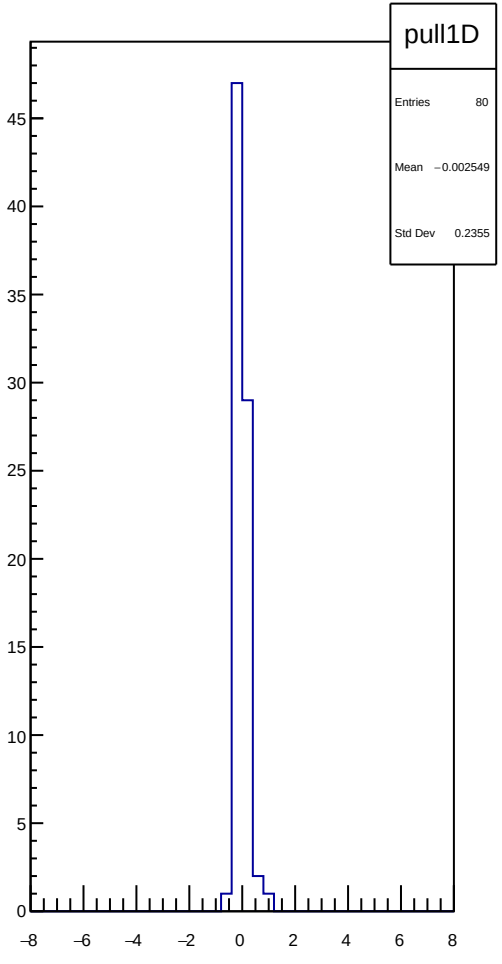

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.23 / 79
p0 12.61 ± 2.848
pull
Entries 80
Mean 38.92
Std Dev 30.74
pull1D
Entries 80
Mean 0.02259
Std Dev 0.9232

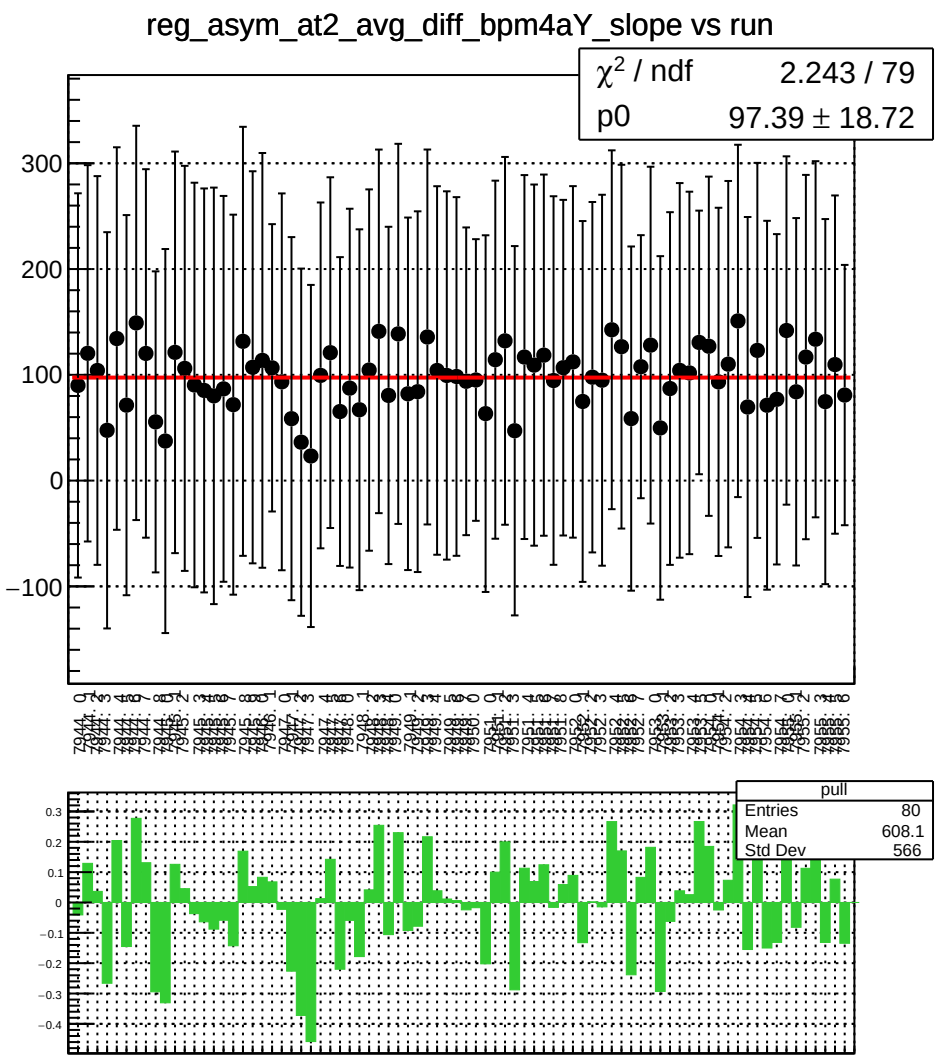

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.2 / 79
p0 −8.682 ± 3.809
pull
Entries 80
Mean 745.4
Std Dev 698

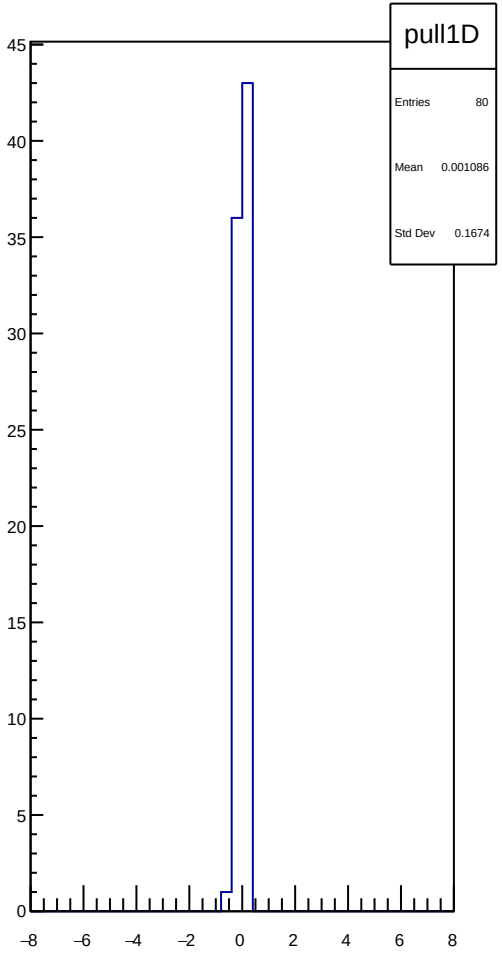

pull1D
Entries 80
Mean 0.006104
Std Dev 0.7921

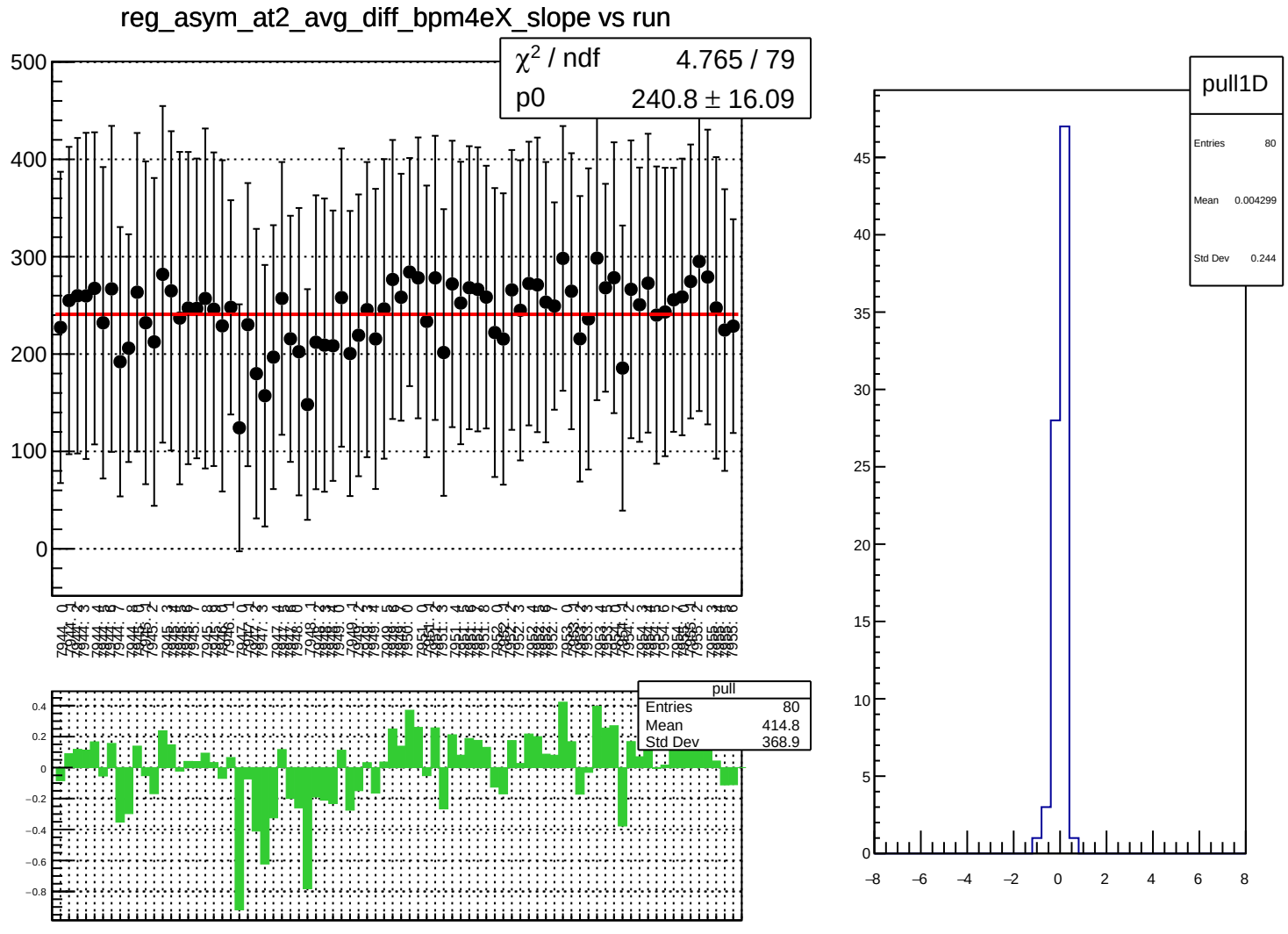

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 98.39 / 79
p0 29.29 ± 0.1073
pull
Entries 80
Mean −619.1
Std Dev 651.1
pull1D
Entries 80
Mean 0.0165
Std Dev 1.109

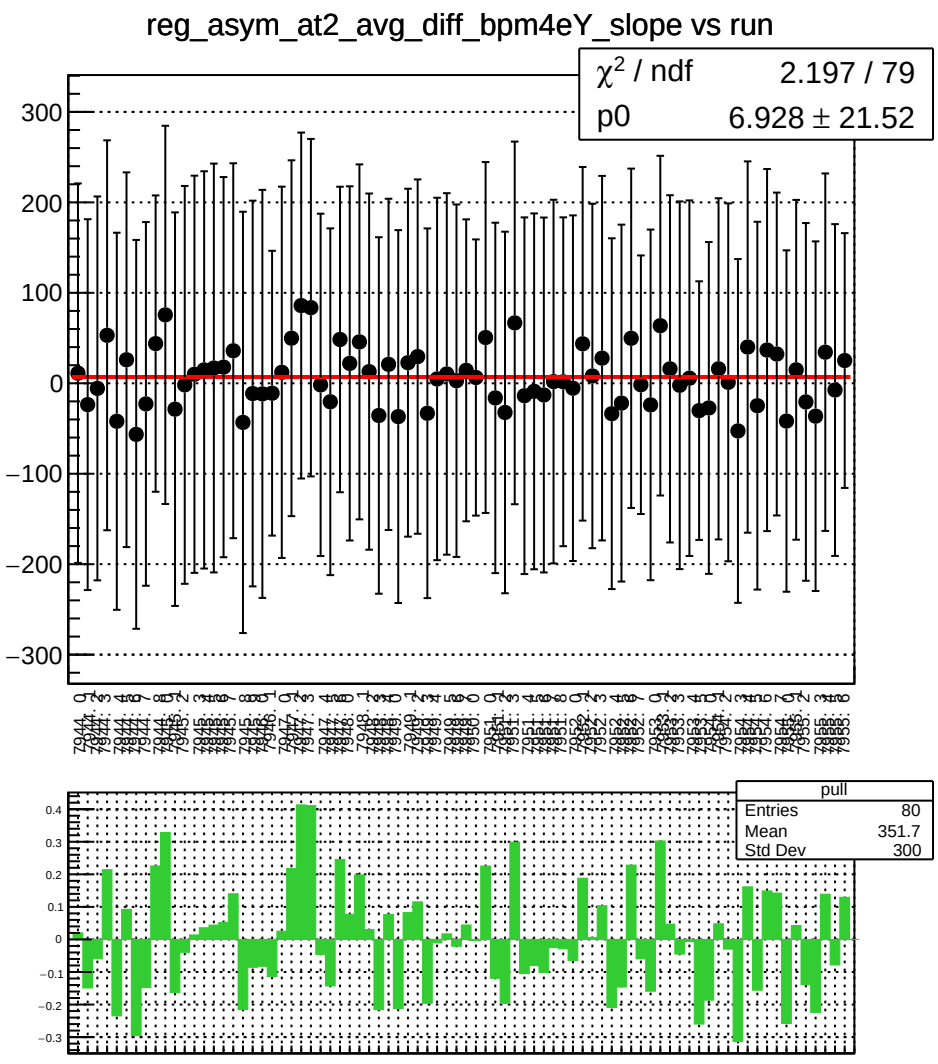

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 4.437 / 79
p0 −244.9 ± 18.12
pull
Entries 80
Mean 603.3
Std Dev 558.1

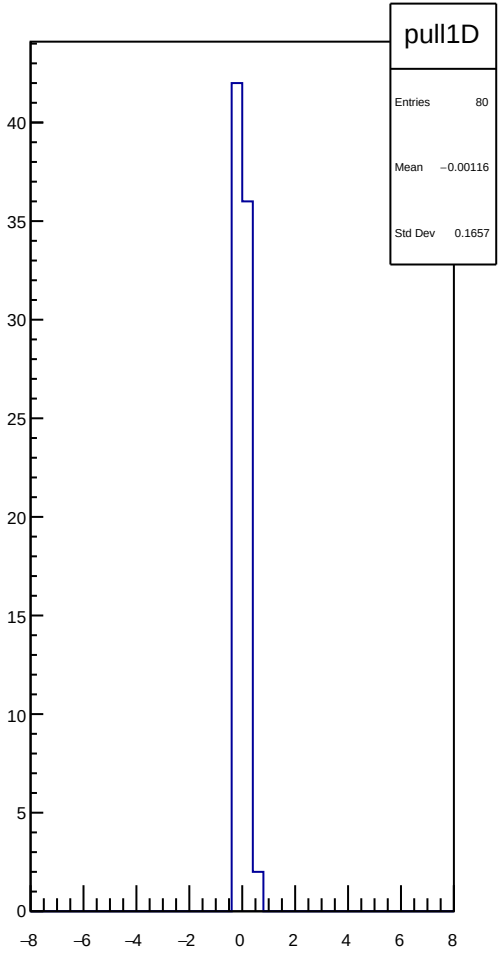

pull1D
Entries 80
Mean −0.002549
Std Dev 0.2355

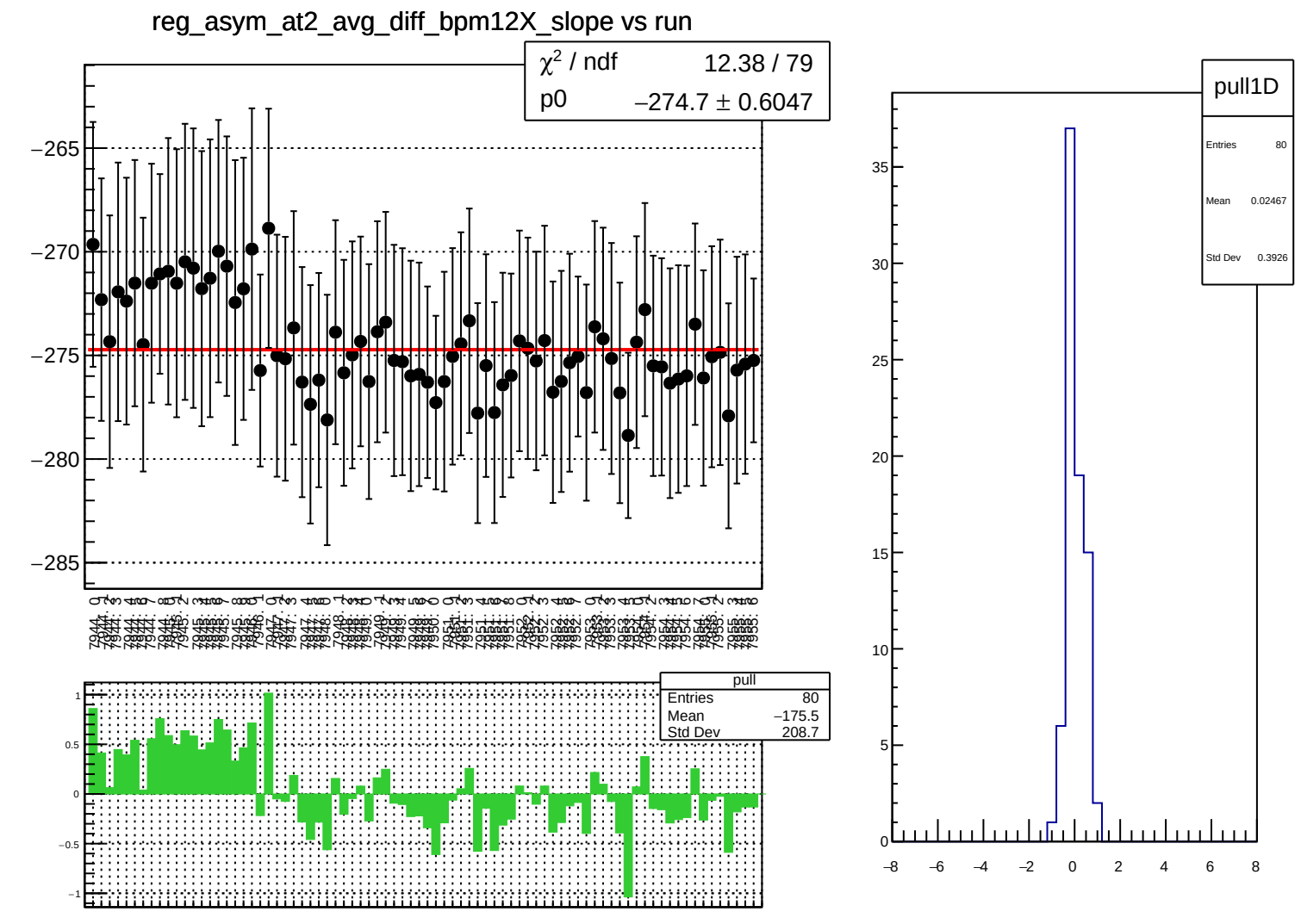

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.243 / 79
p0 97.39 ± 18.72
pull
Entries 80
Mean 608.1
Std Dev 566

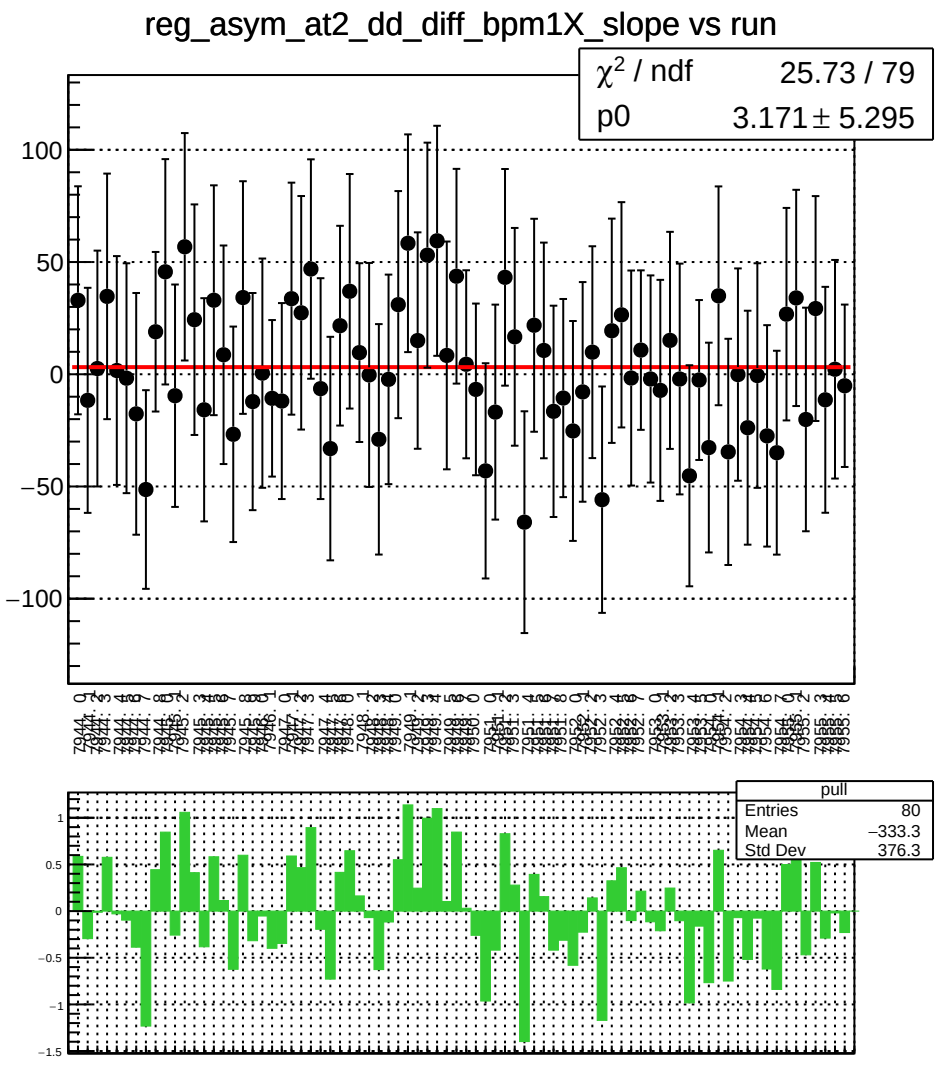

pull1D
Entries 80
Mean 0.001086
Std Dev 0.1674

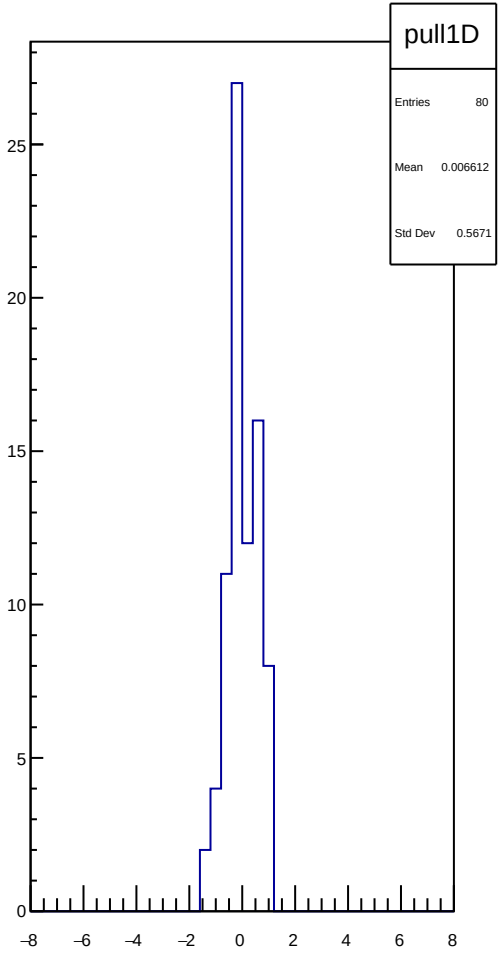

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.765 / 79
p0 240.8 ± 16.09
pull
Entries 80
Mean 414.8
Std Dev 368.9
pull1D
Entries 80
Mean 0.004299
Std Dev 0.244

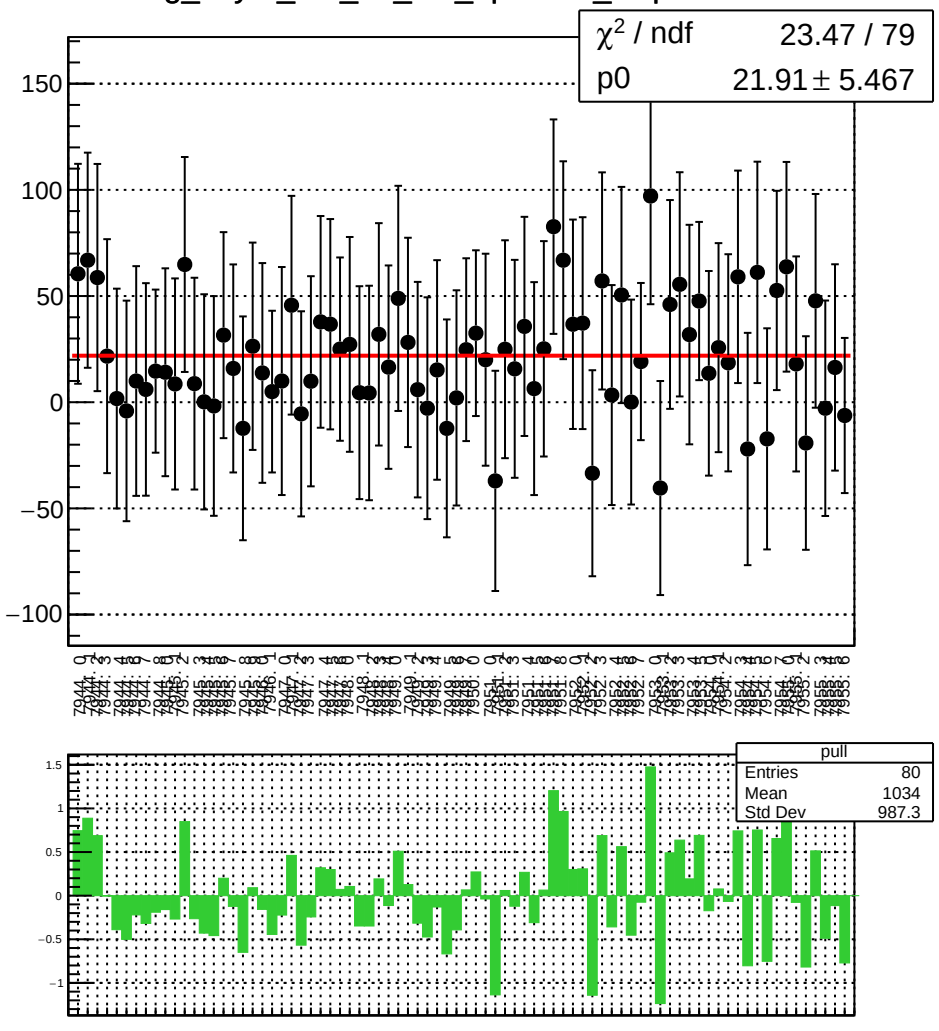

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.197 / 79
p0 6.928 ± 21.52
pull
Entries 80
Mean 351.7
Std Dev 300

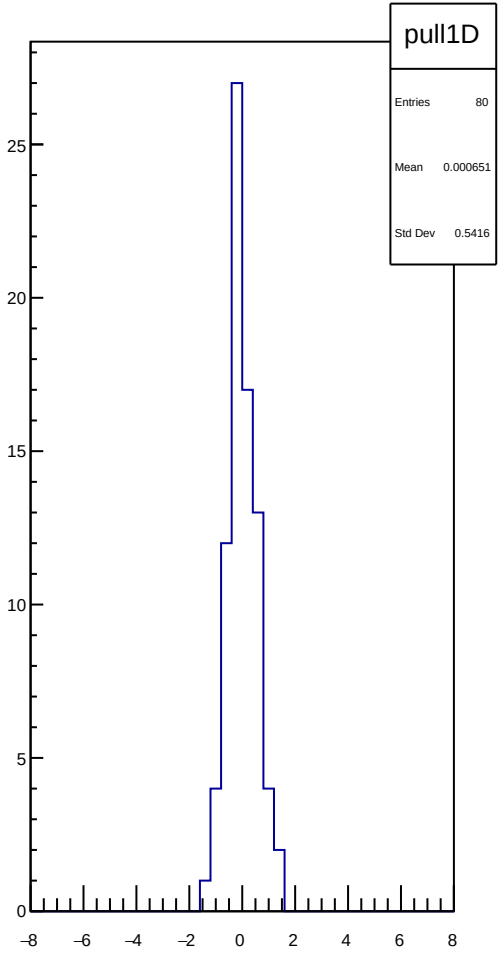

pull1D
Entries 80
Mean −0.00116
Std Dev 0.1657

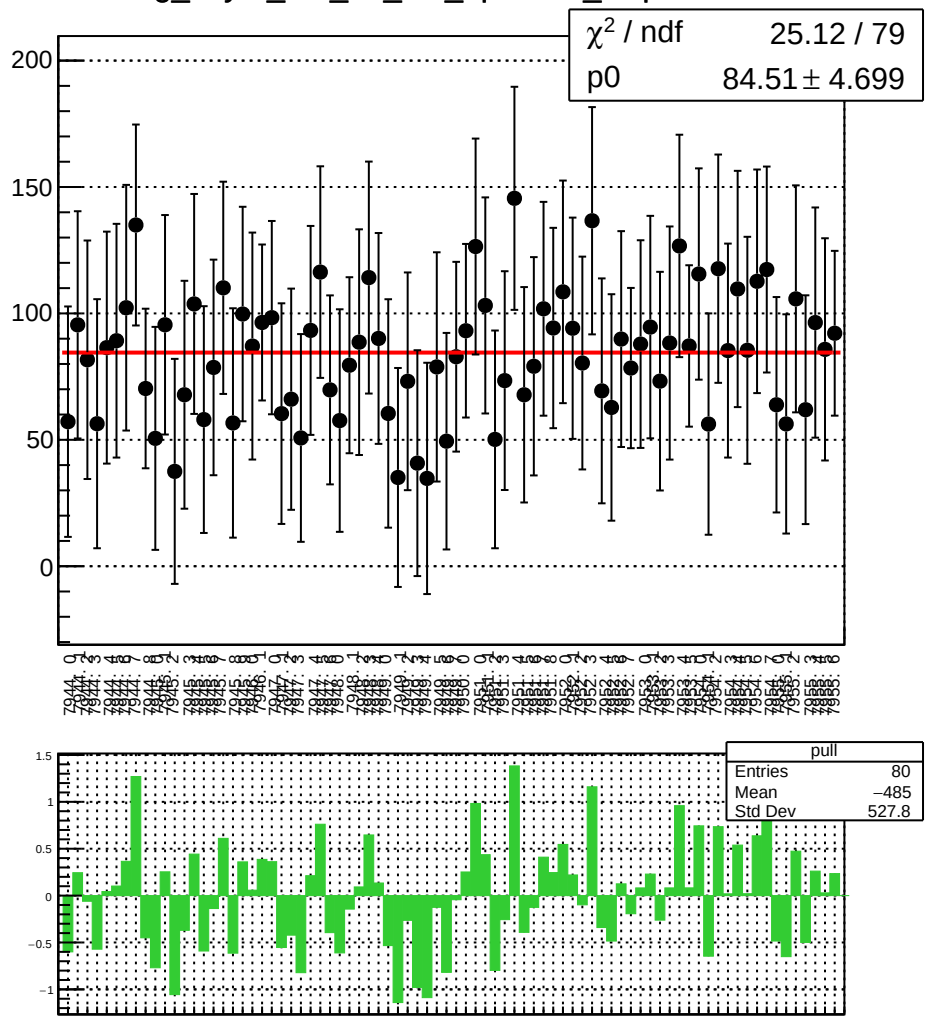

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.38 / 79
p0 −274.7 ± 0.6047
−265
−270
−275
−280
−285
pull
Entries 80
Mean −175.5
Std Dev 208.7
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean 0.02467
Std Dev 0.3926
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

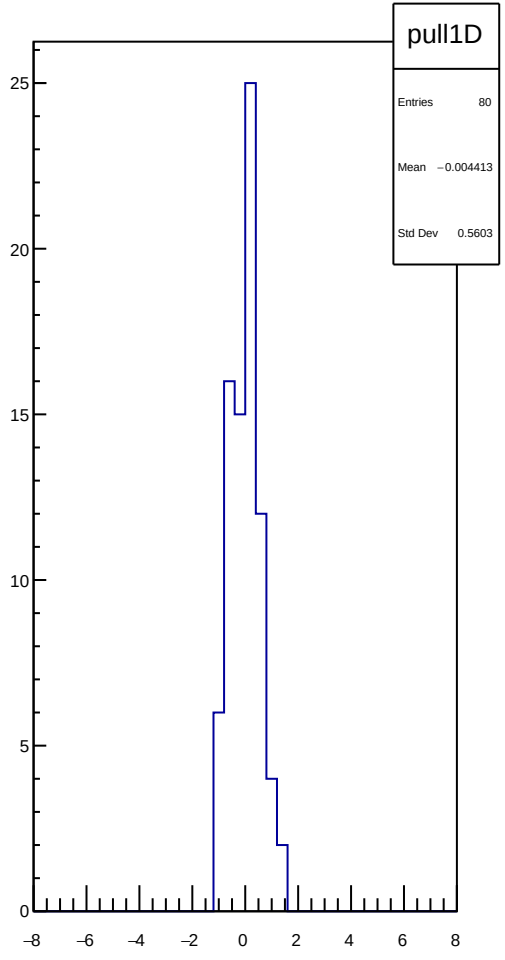

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 25.73 / 79
p0 3.171 ± 5.295
pull
Entries 80
Mean −333.3
Std Dev 376.3

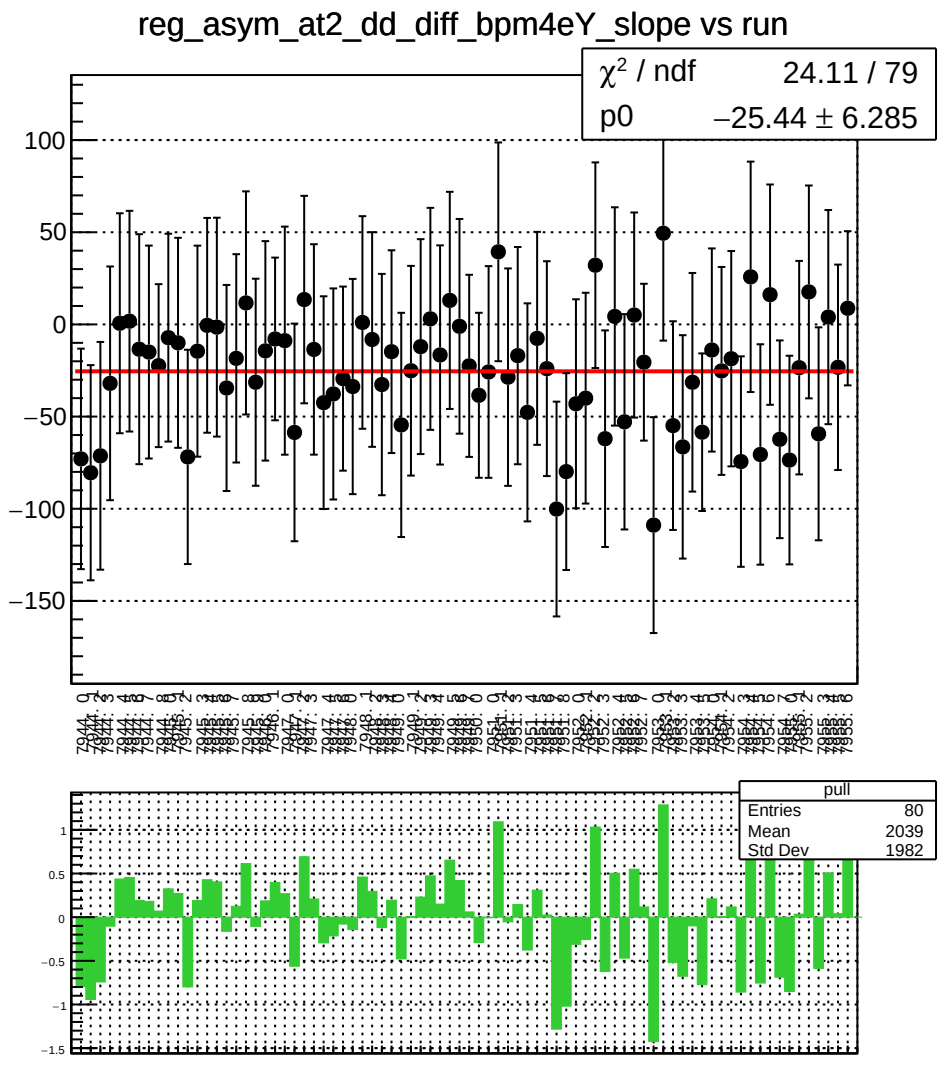

pull1D
Entries 80
Mean 0.006612
Std Dev 0.5671

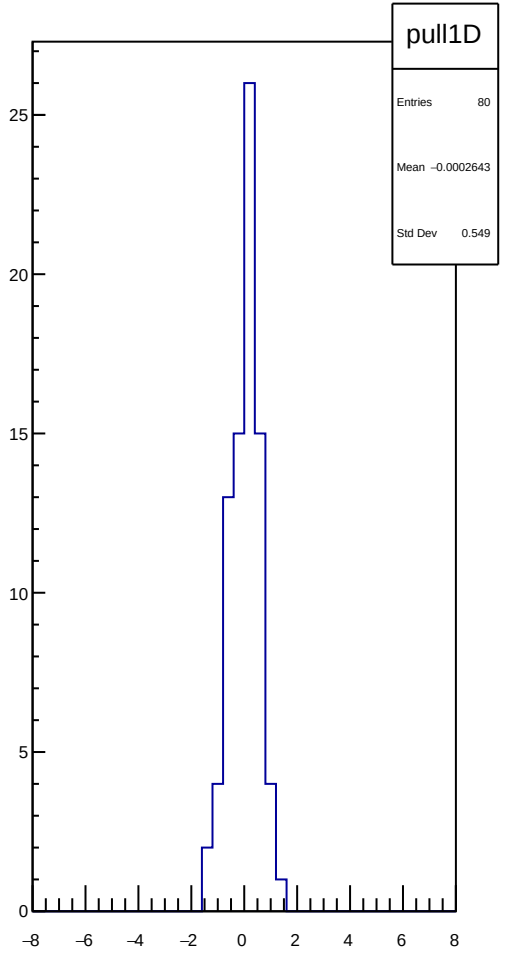

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.47 / 79
p0 21.91 ± 5.467
150
100
50
0
−50
−100
pull
Entries 80
Mean 1034
Std Dev 987.3
1.5
1
0.5
0
−0.5
−1

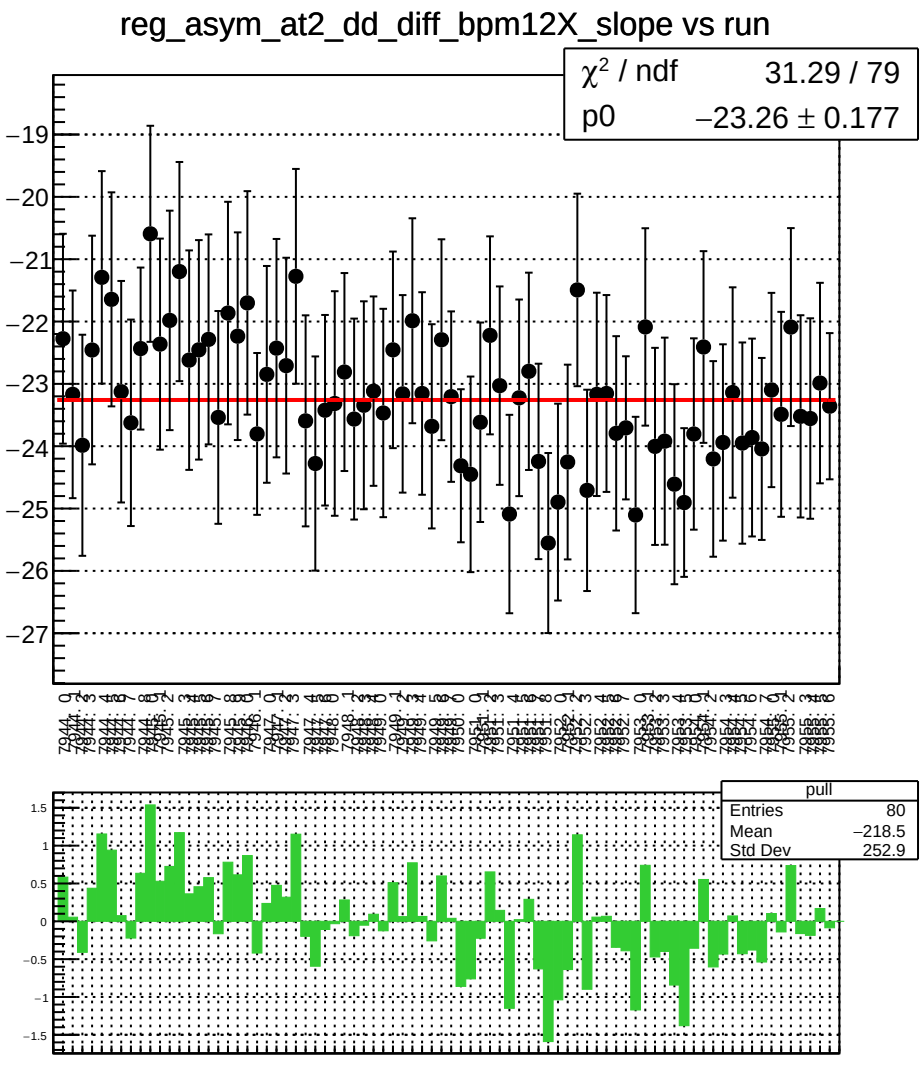

pull1D
Entries 80
Mean 0.000651
Std Dev 0.5416
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

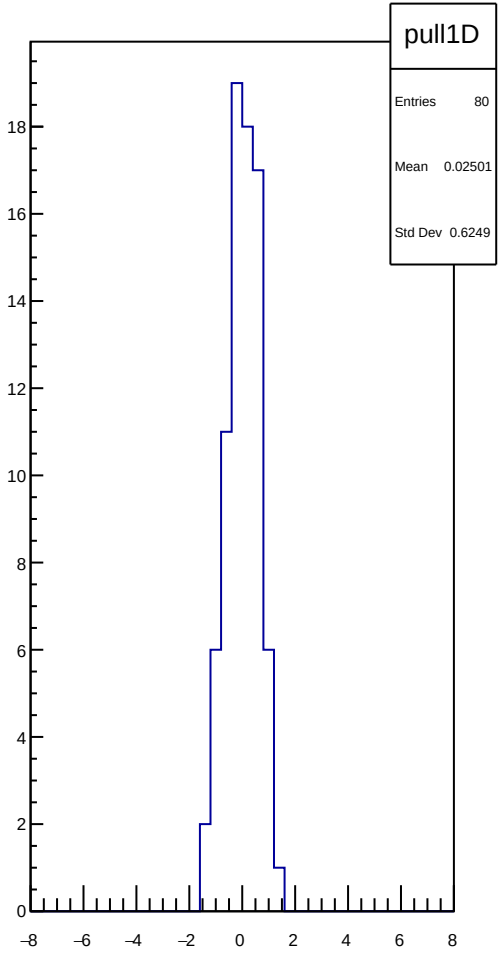

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.12 / 79
p0 84.51 ± 4.699
200
150
100
50
0
pull
Entries 80
Mean −485
Std Dev 527.8
1.5
1
0.5
0
−0.5
−1

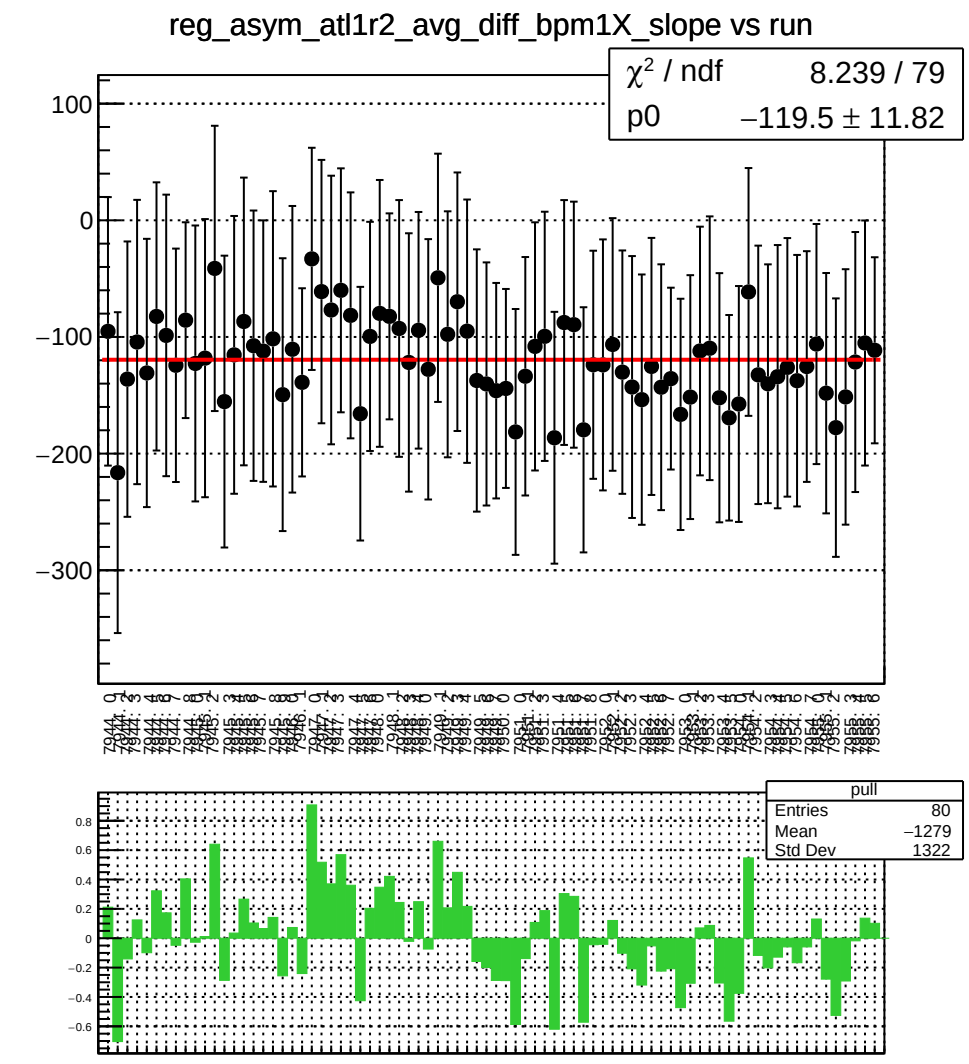

pull1D
Entries 80
Mean −0.004413
Std Dev 0.5603
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

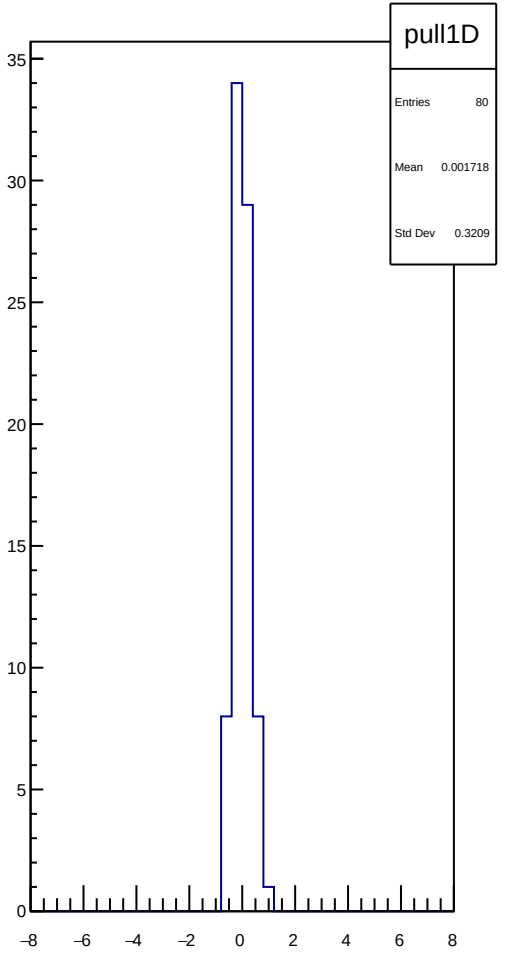

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.11 / 79
p0 −25.44 ± 6.285
pull
Entries 80
Mean 2039
Std Dev 1982

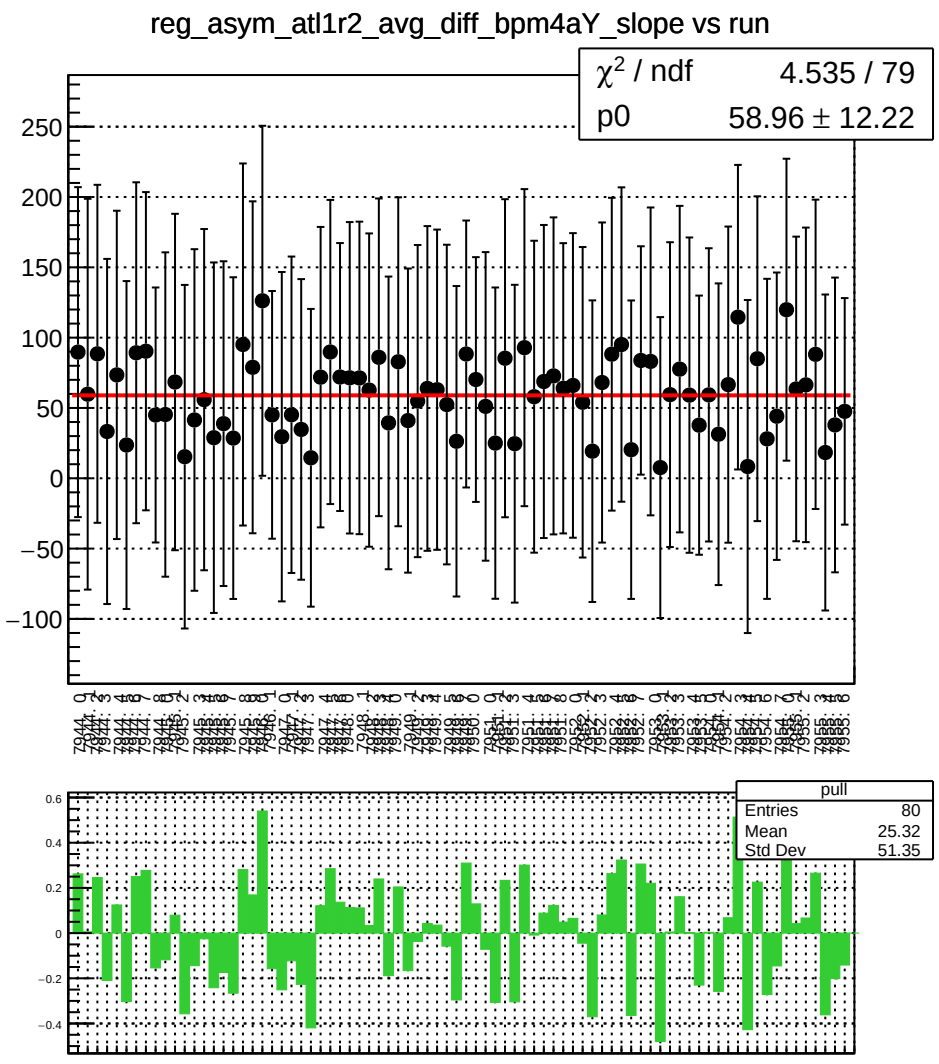

pull1D
Entries 80
Mean −0.0002643
Std Dev 0.549

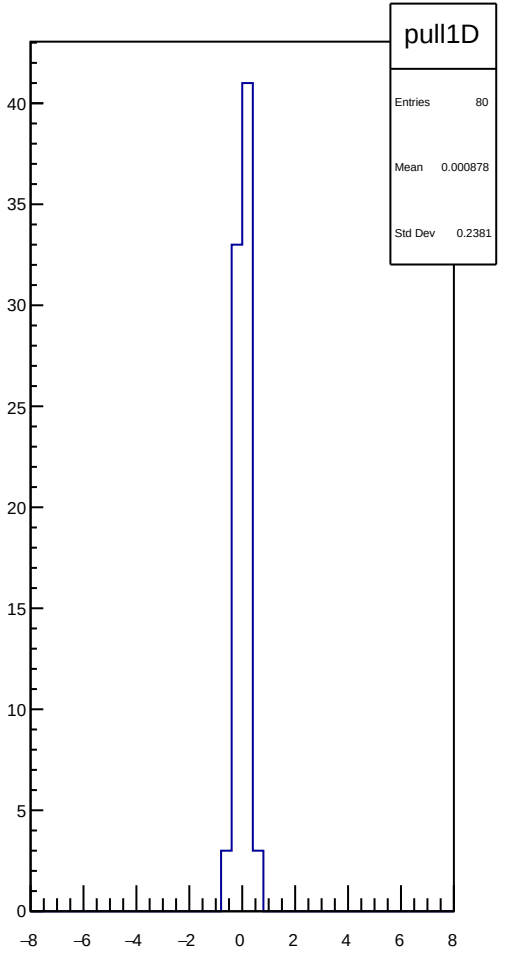

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 31.29 / 79
p0 −23.26 ± 0.177
pull
Entries 80
Mean −218.5
Std Dev 252.9

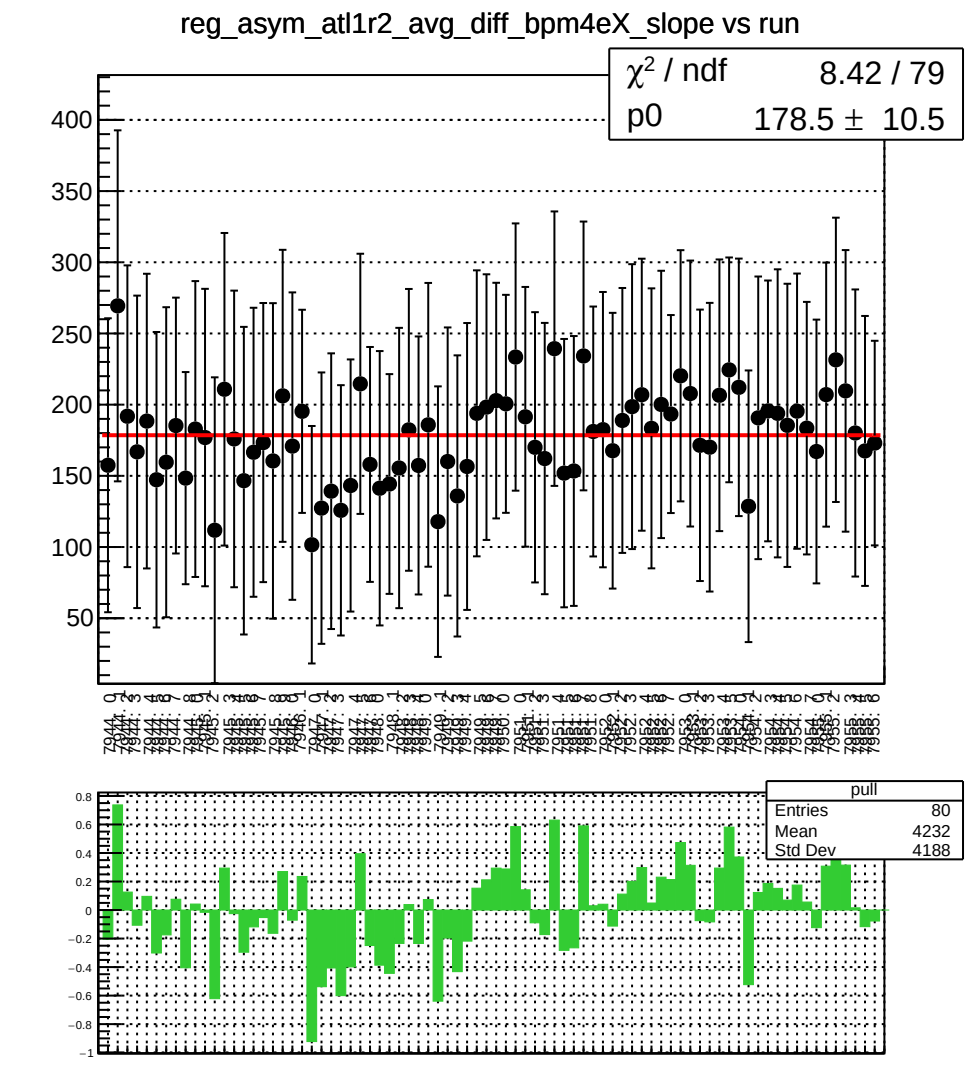

pull1D
Entries 80
Mean 0.02501
Std Dev 0.6249

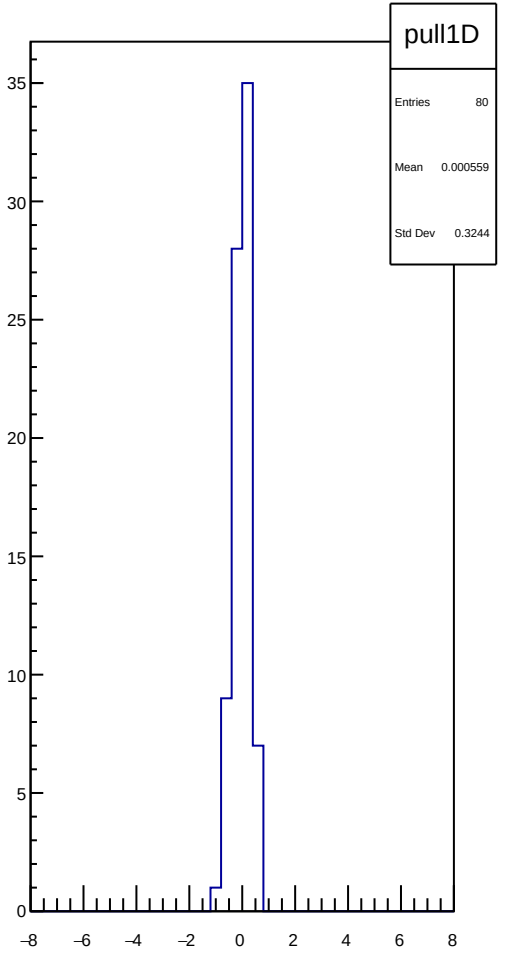

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.239 / 79
p0 −119.5 ± 11.82
pull
Entries 80
Mean −1279
Std Dev 1322

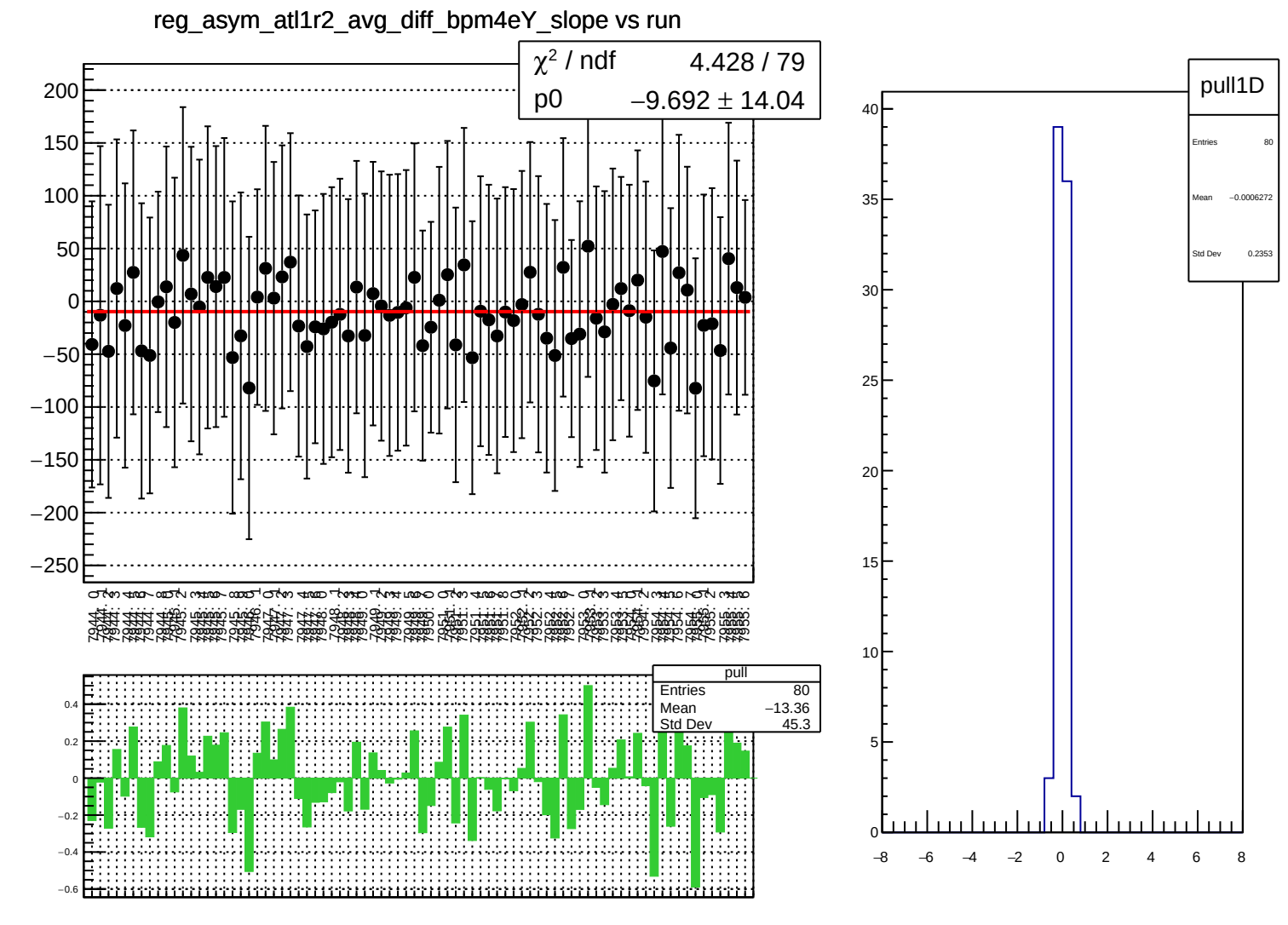

pull1D
Entries 80
Mean 0.001718
Std Dev 0.3209

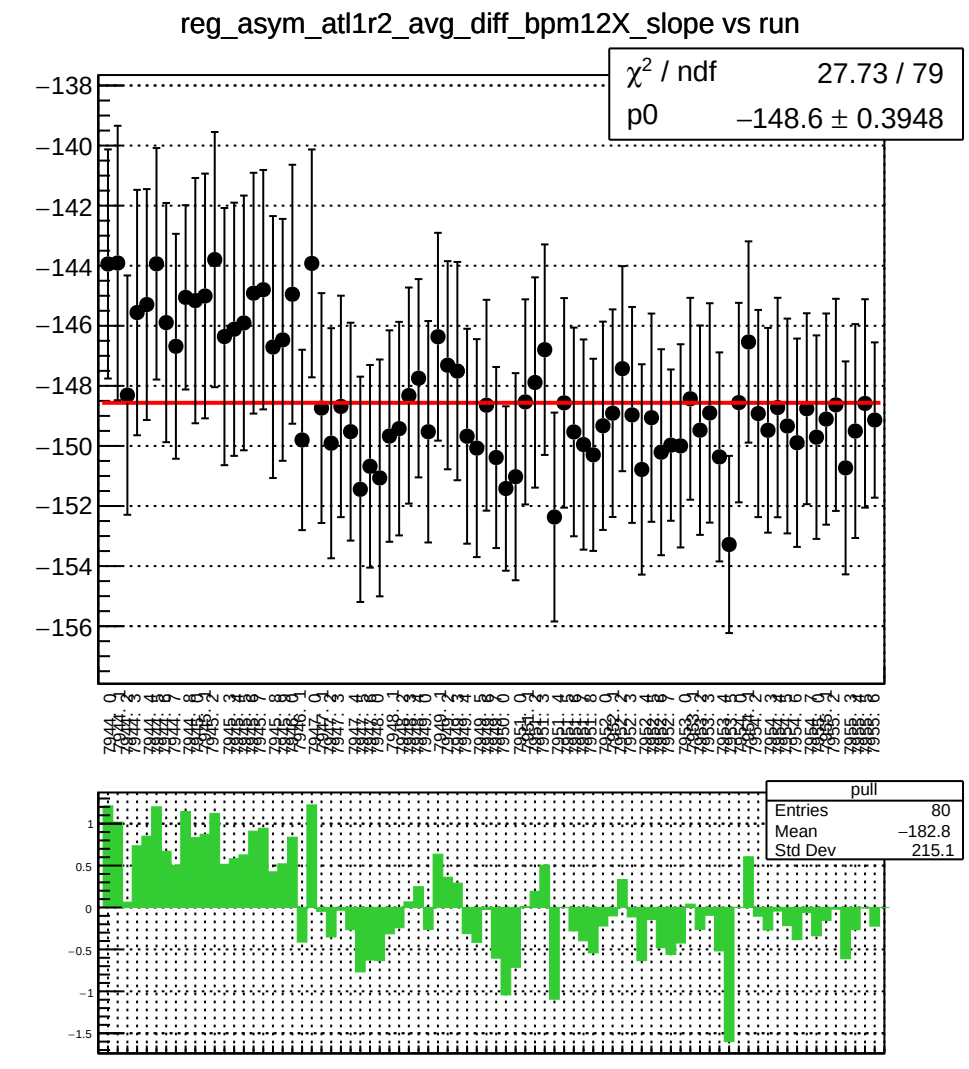

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.535 / 79
p0 58.96 ± 12.22
pull
Entries 80
Mean 25.32
Std Dev 51.35

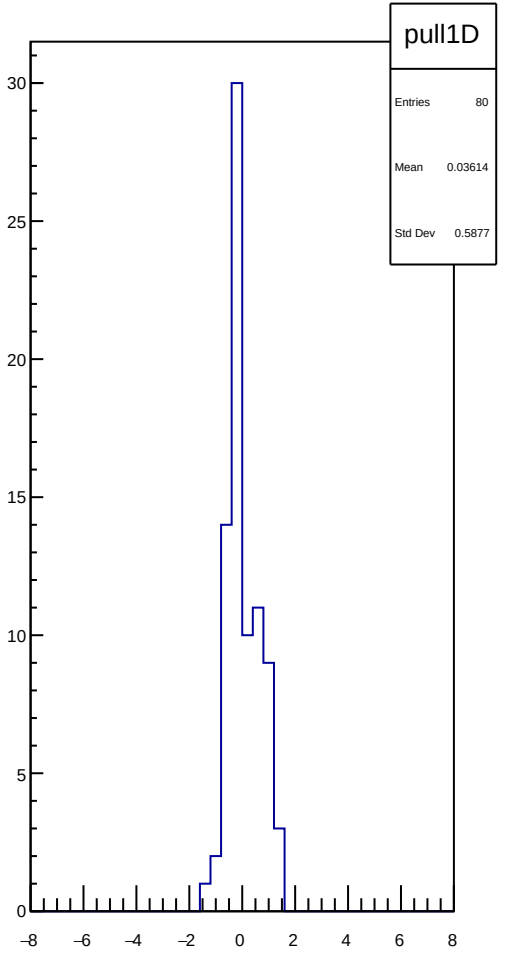

pull1D
Entries 80
Mean 0.000878
Std Dev 0.2381

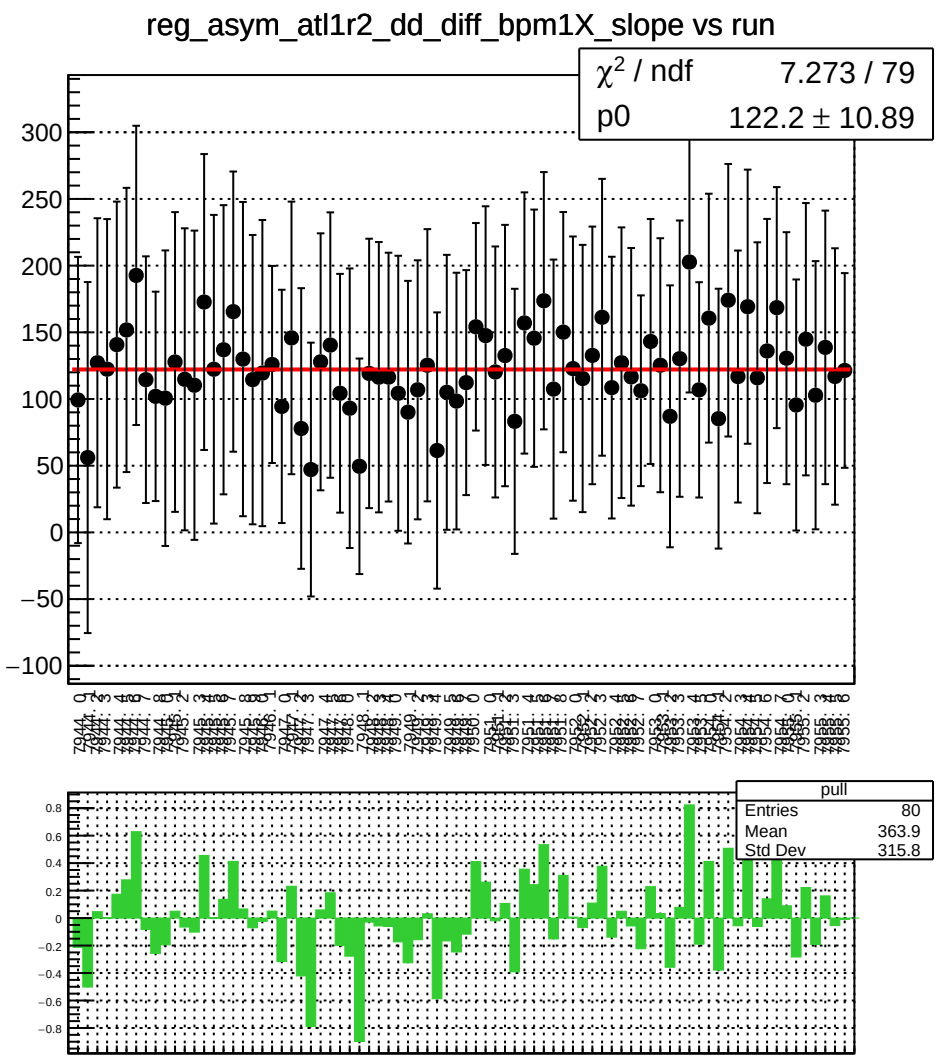

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.42 / 79
p0 178.5 ± 10.5
pull
Entries 80
Mean 4232
Std Dev 4188

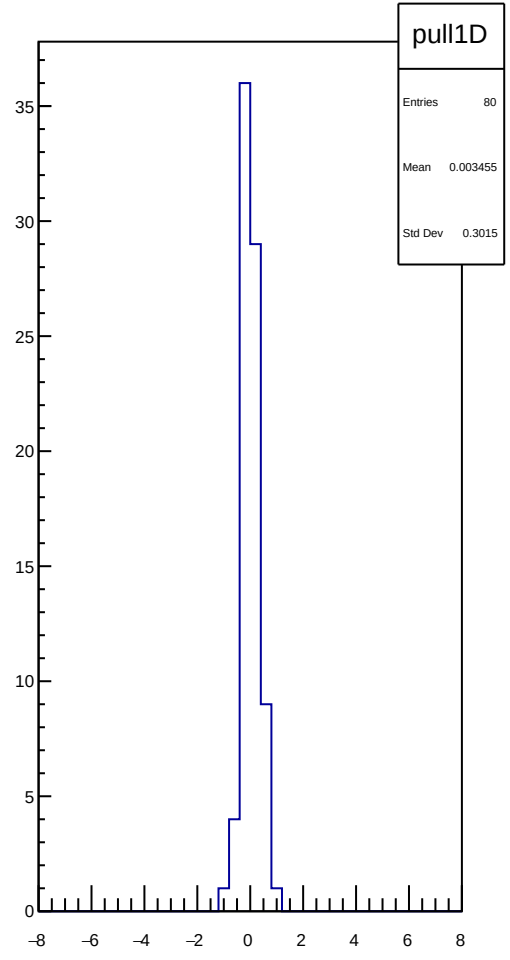

pull1D
Entries 80
Mean 0.000559
Std Dev 0.3244

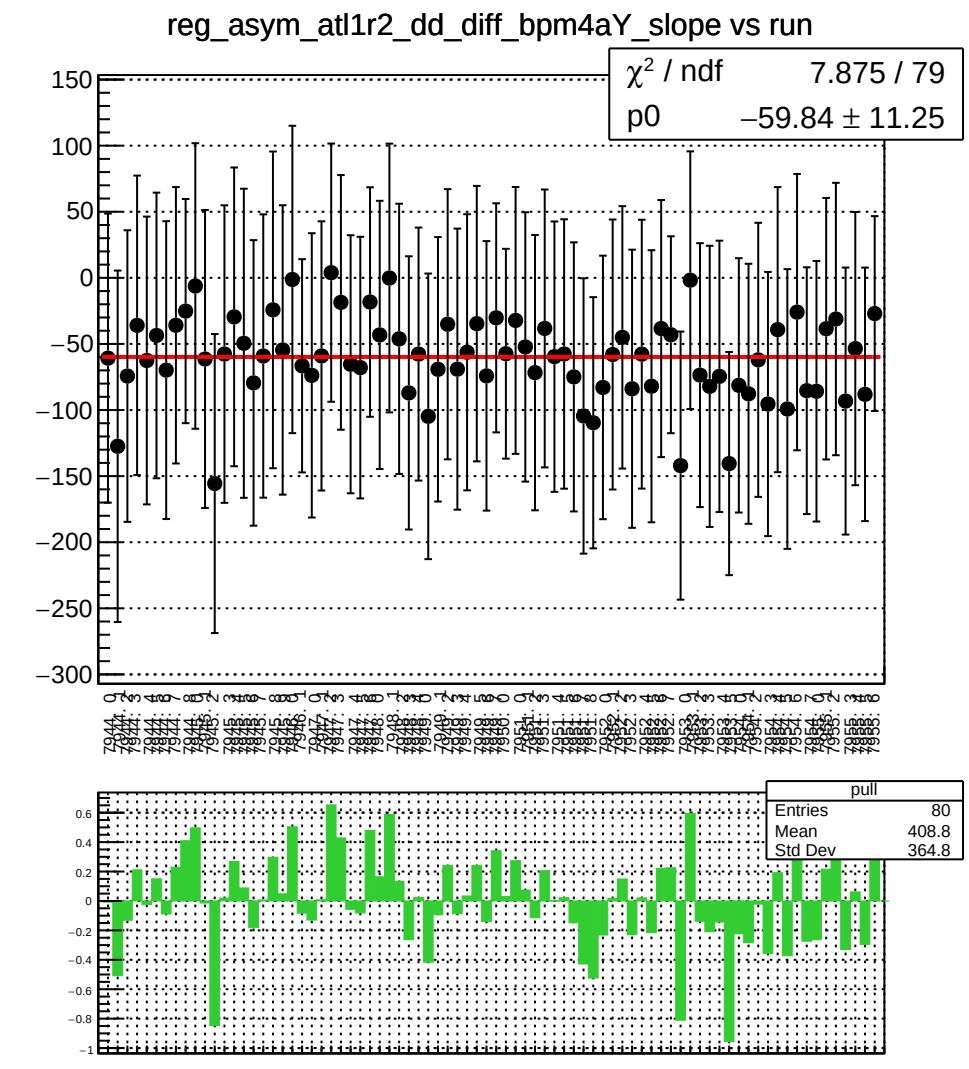

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.428 / 79
p0 −9.692 ± 14.04
pull
Entries 80
Mean −13.36
Std Dev 45.3
pull1D
Entries 80
Mean −0.0006272
Std Dev 0.2353

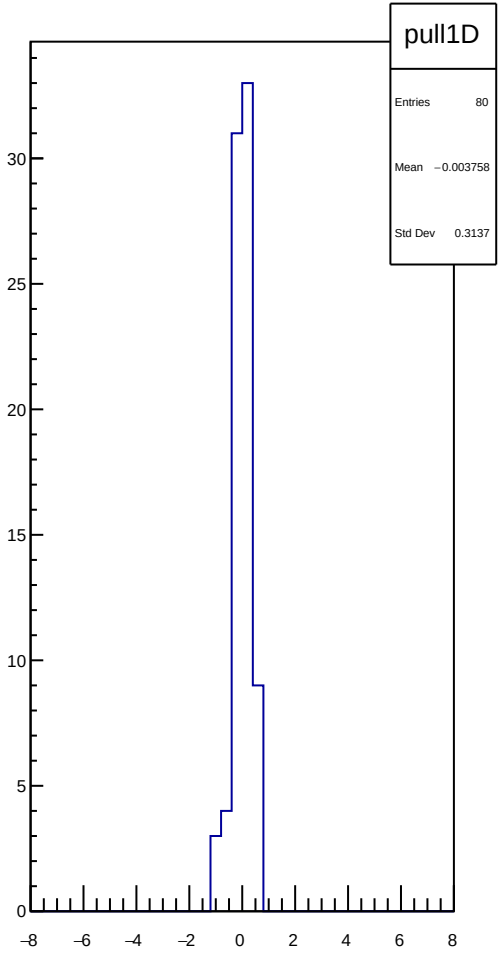

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 27.73 / 79
p0 −148.6 ± 0.3948
pull
Entries 80
Mean −182.8
Std Dev 215.1

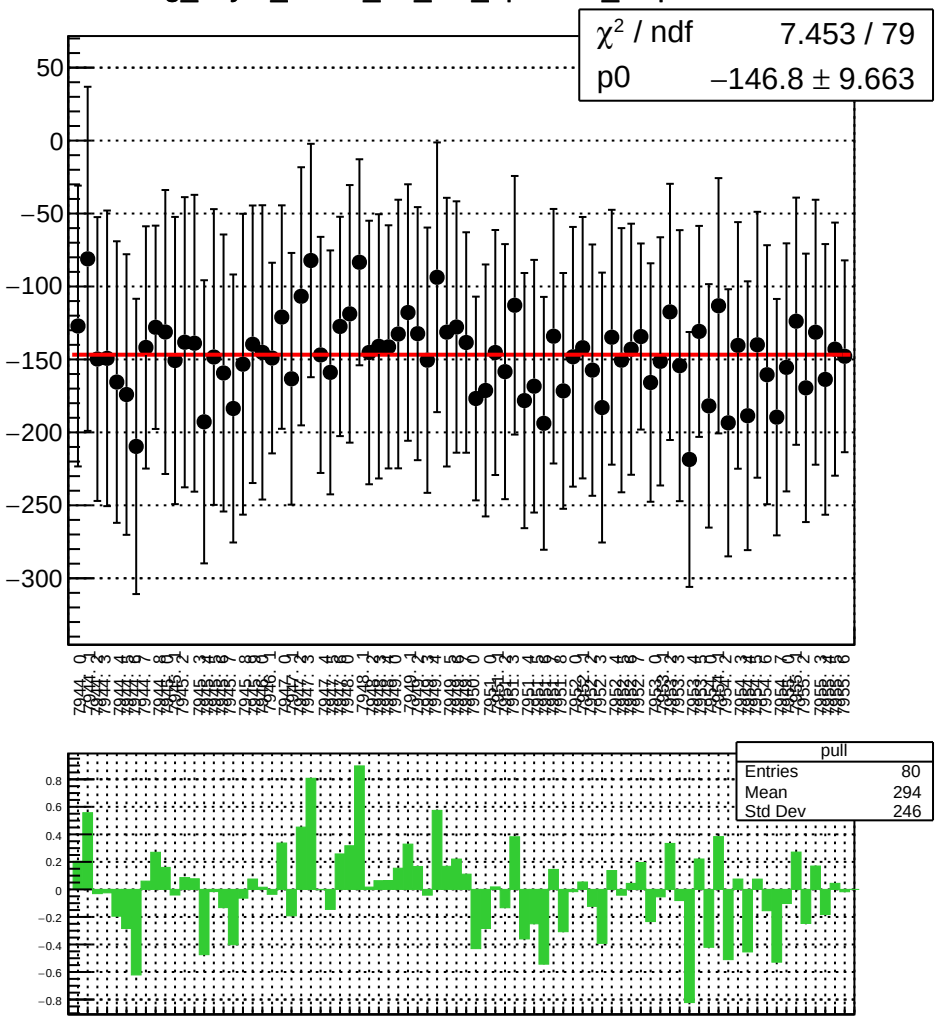

pull1D
Entries 80
Mean 0.03614
Std Dev 0.5877

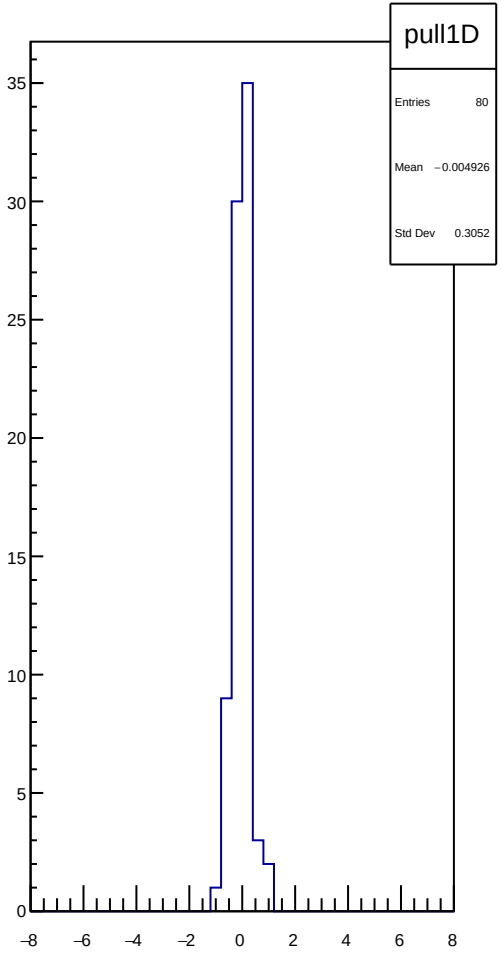

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.273 / 79
p0 122.2 ± 10.89
pull
Entries 80
Mean 363.9
Std Dev 315.8

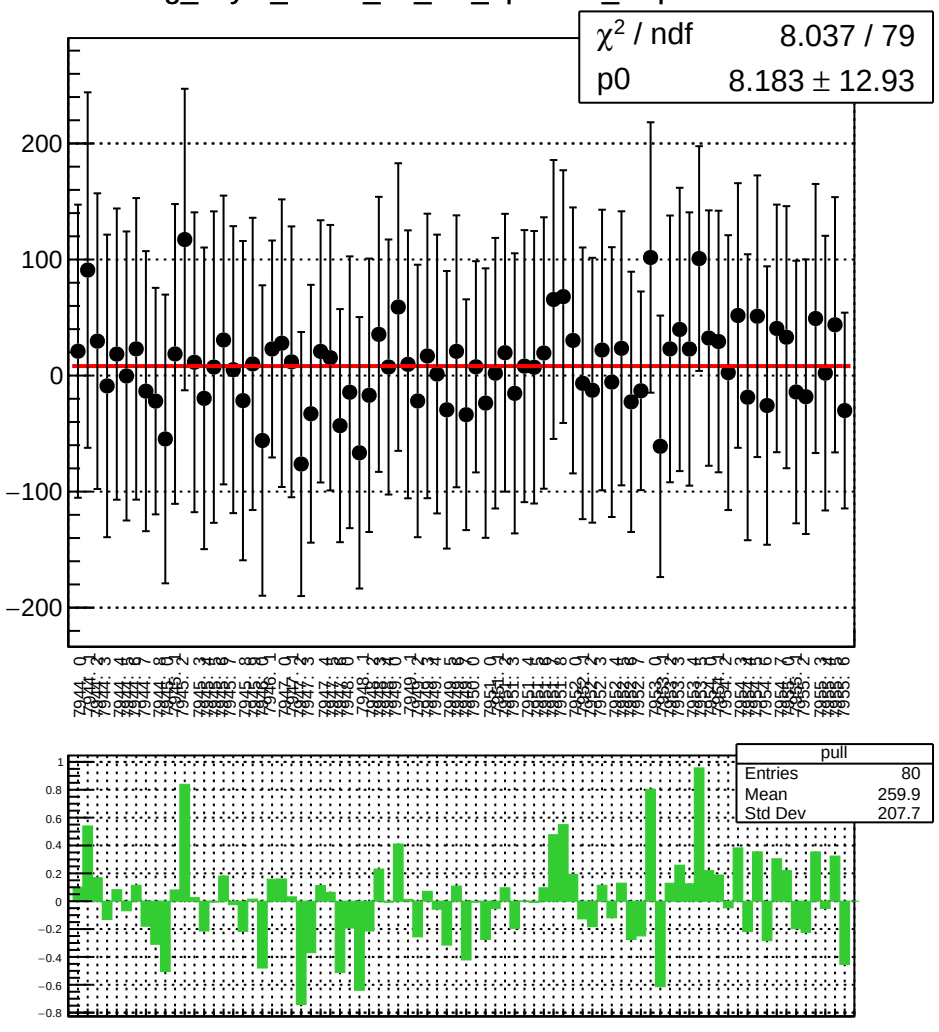

pull1D
Entries 80
Mean 0.003455
Std Dev 0.3015

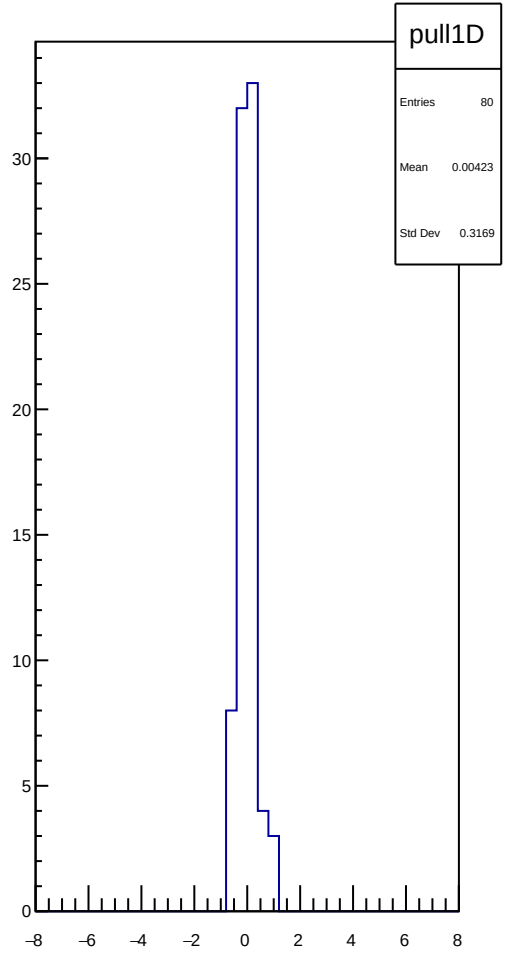

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.875 / 79
p0 −59.84 ± 11.25
pull
Entries 80
Mean 408.8
Std Dev 364.8

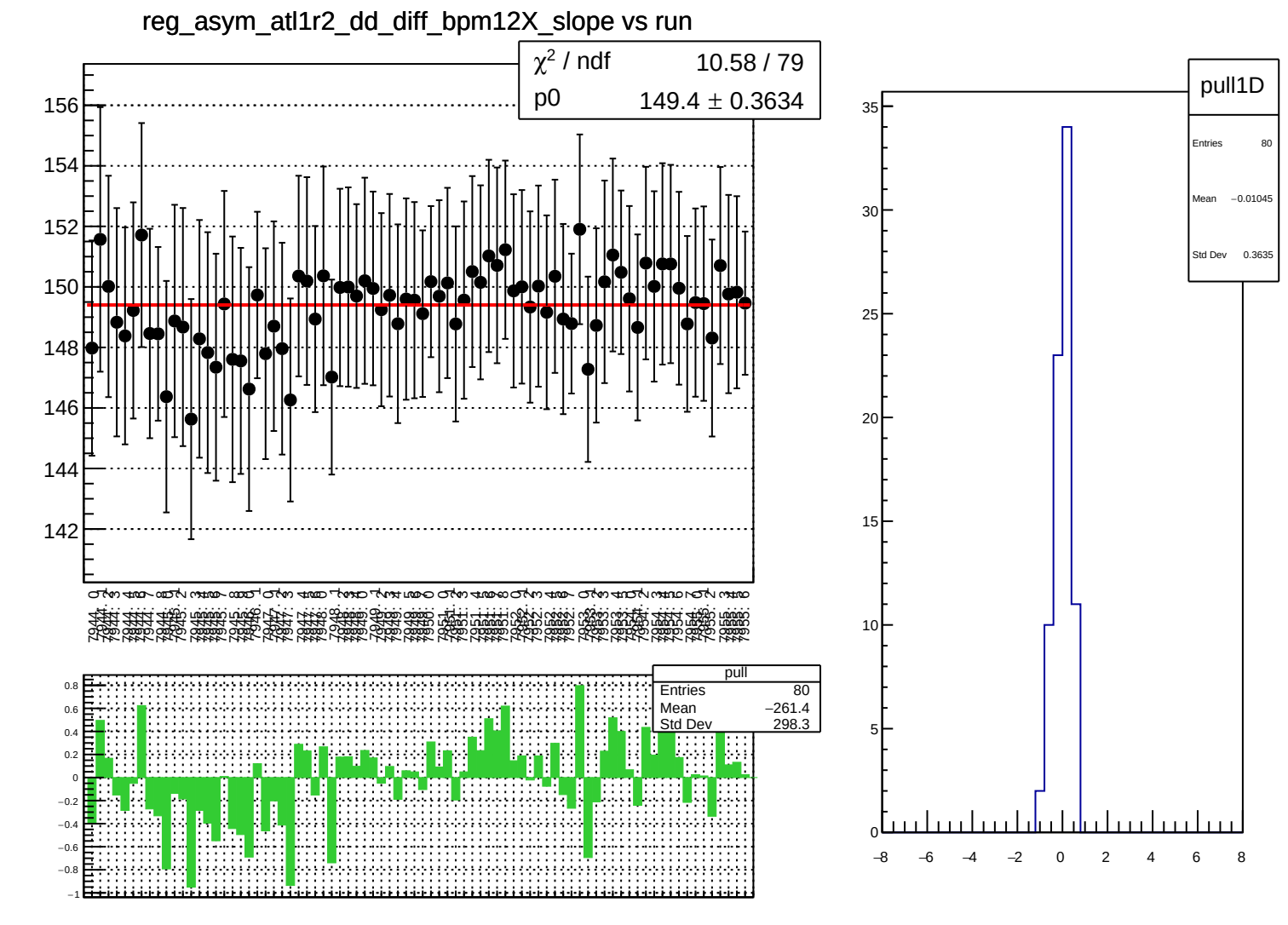

pull1D
Entries 80
Mean −0.003758
Std Dev 0.3137

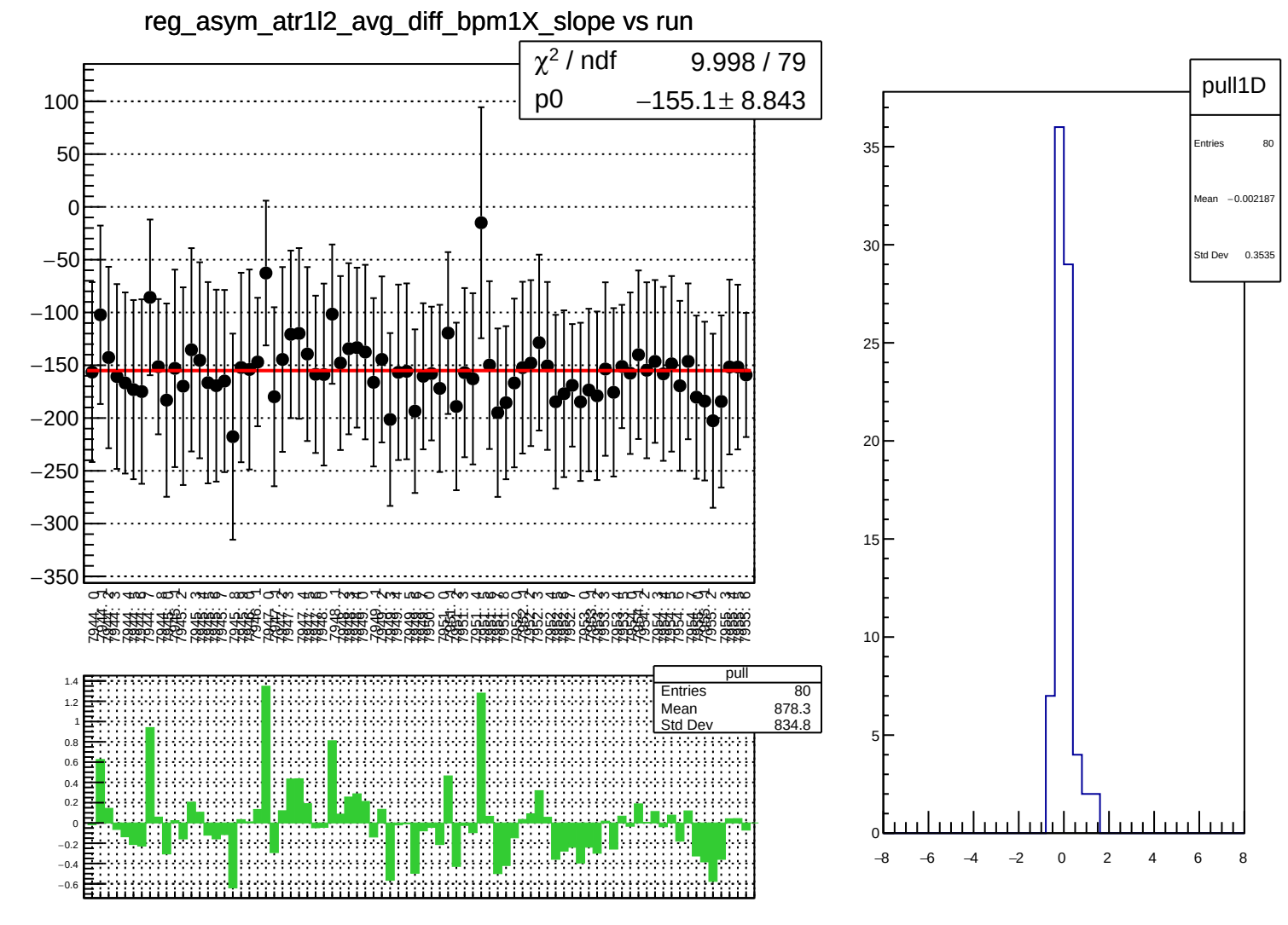

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.453 / 79
p0 −146.8 ± 9.663
pull
Entries 80
Mean 294
Std Dev 246

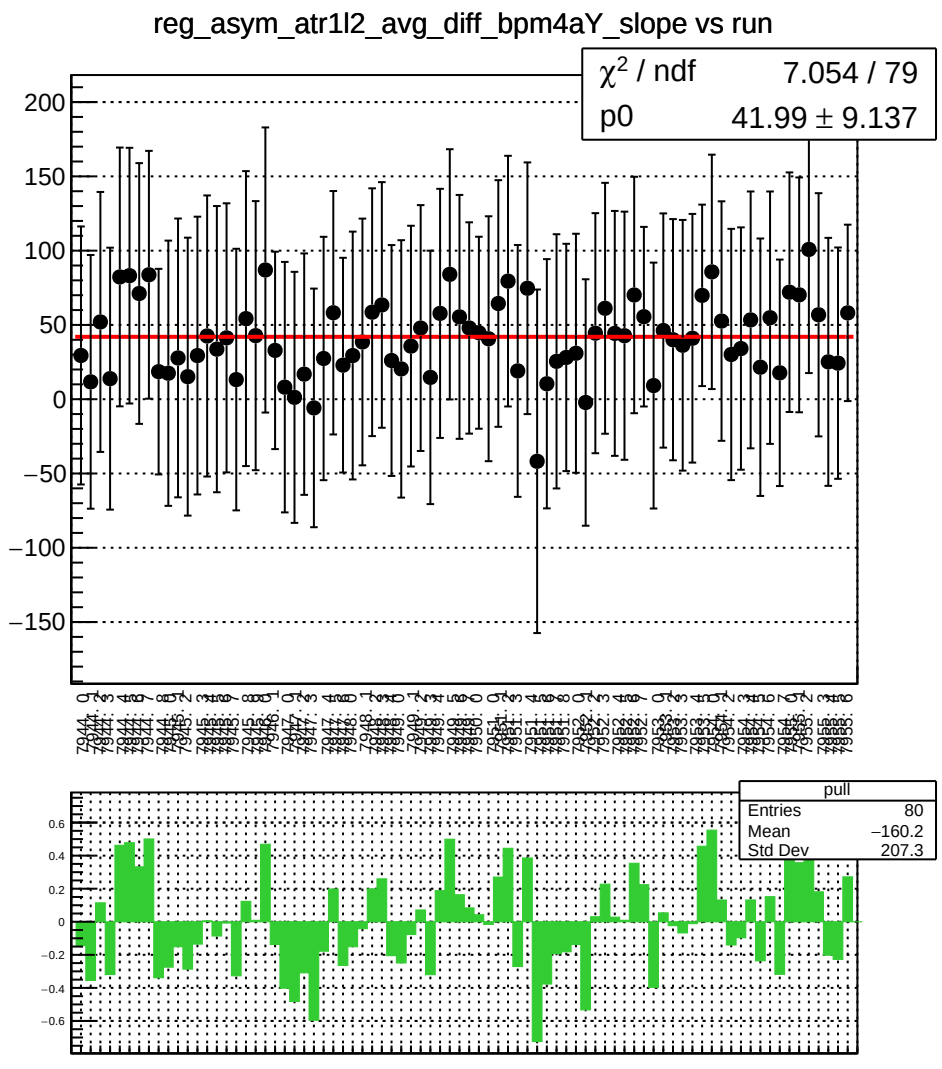

pull1D
Entries 80
Mean −0.004926
Std Dev 0.3052

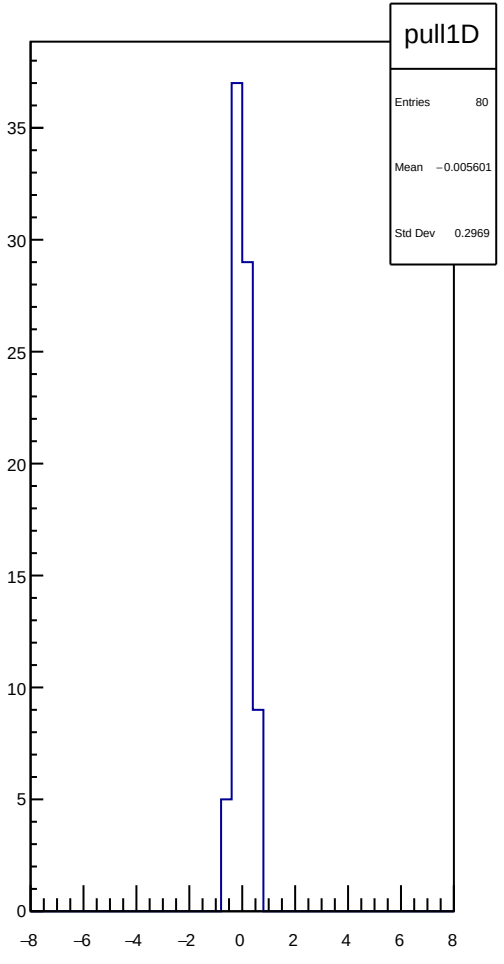

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.037 / 79
p0 8.183 ± 12.93
200
100
0
−100
−200
pull
Entries 80
Mean 259.9
Std Dev 207.7
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

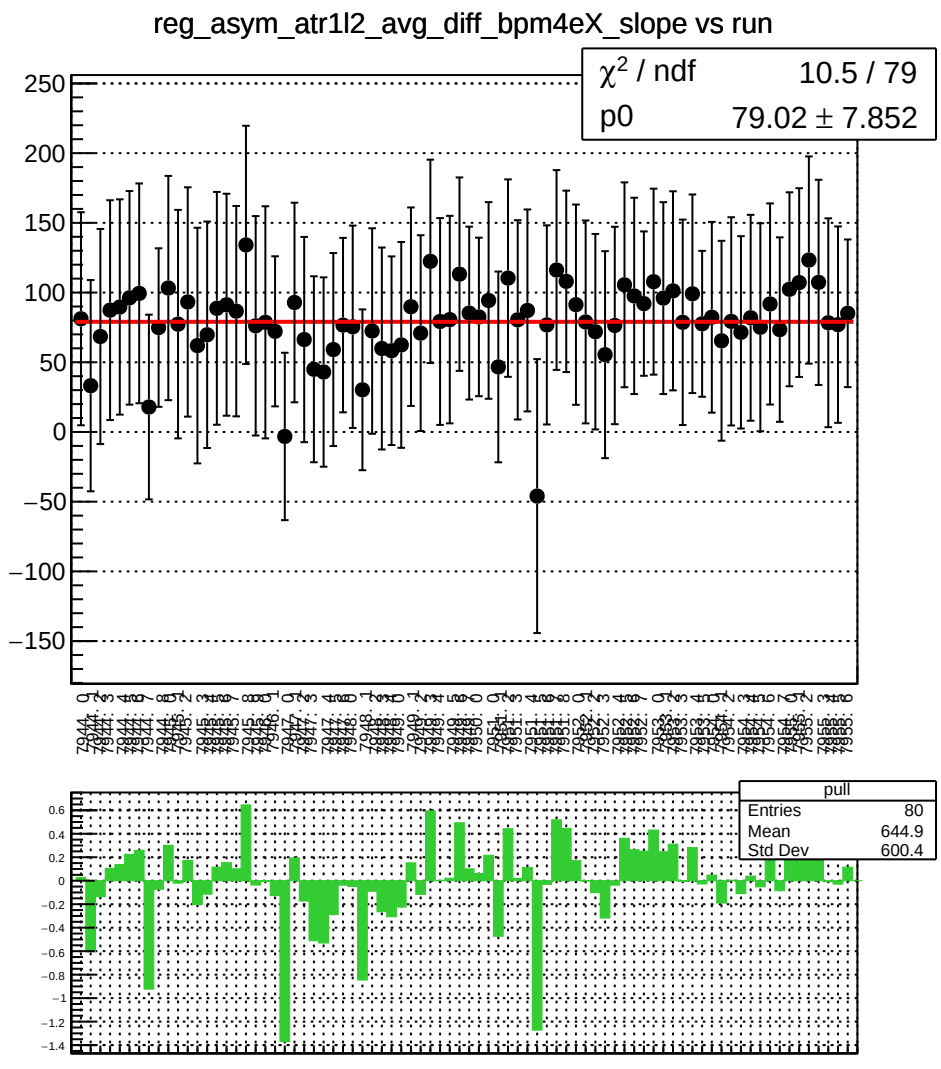

pull1D
Entries 80
Mean 0.00423
Std Dev 0.3169
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

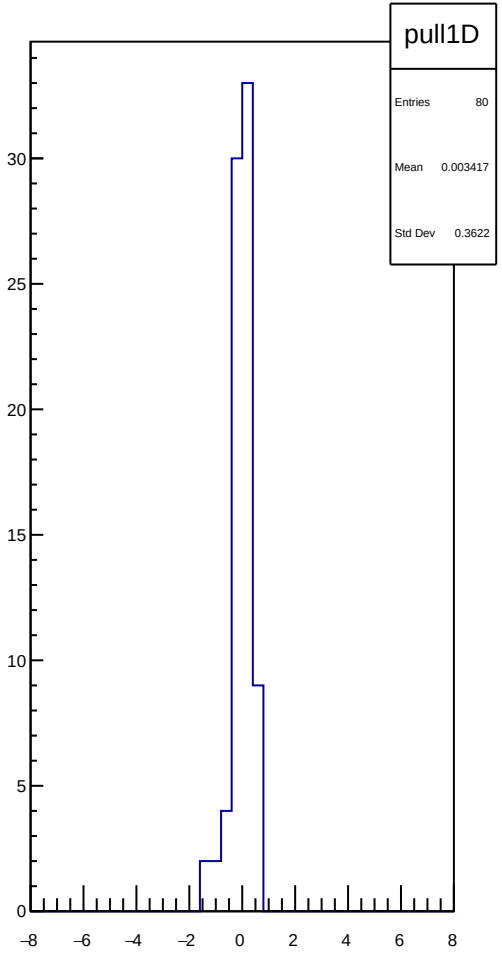

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.58 / 79
p0 149.4 ± 0.3634
pull
Entries 80
Mean −261.4
Std Dev 298.3
pull1D
Entries 80
Mean −0.01045
Std Dev 0.3635

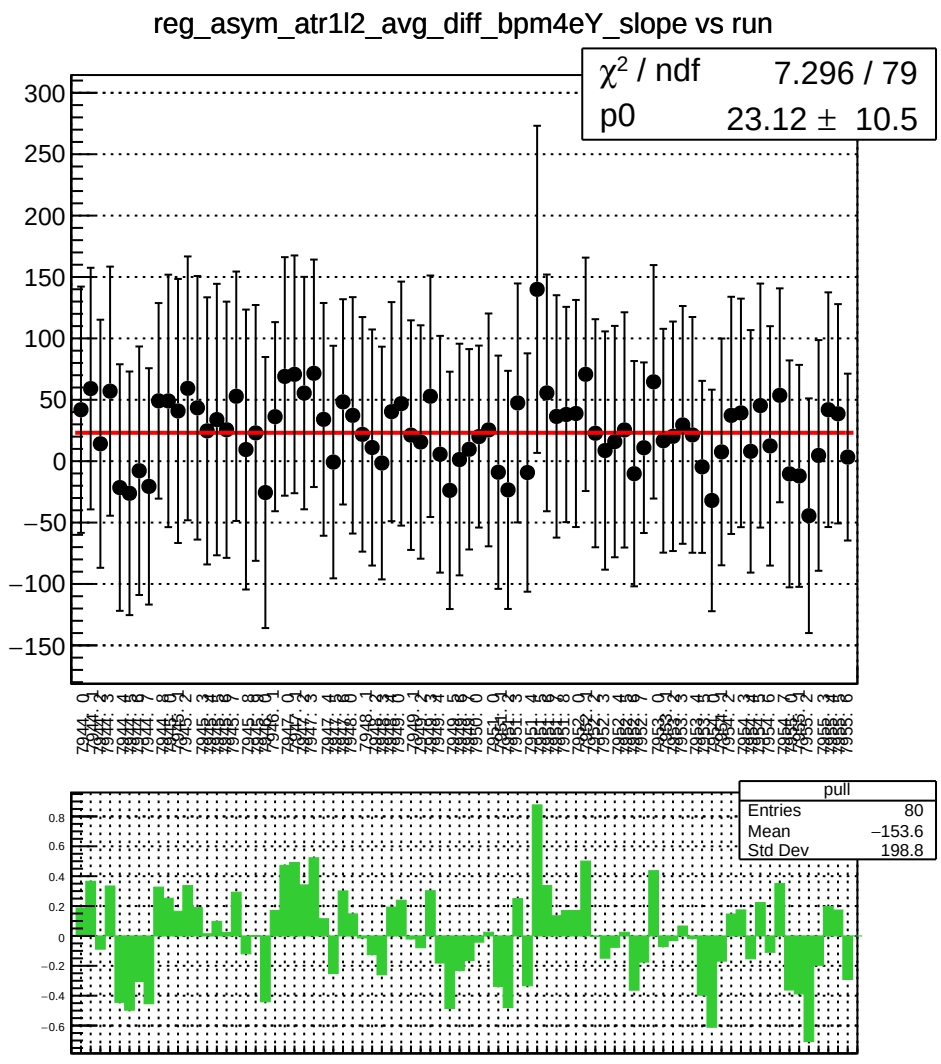

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 9.998 / 79
p0 −155.1 ± 8.843
pull
Entries 80
Mean 878.3
Std Dev 834.8
pull1D
Entries 80
Mean −0.002187
Std Dev 0.3535

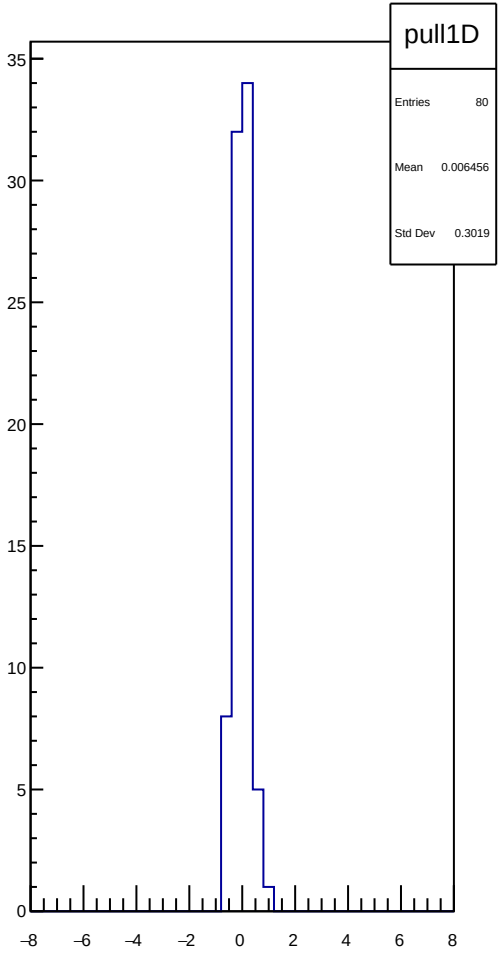

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.054 / 79
p0 41.99 ± 9.137
pull
Entries 80
Mean −160.2
Std Dev 207.3

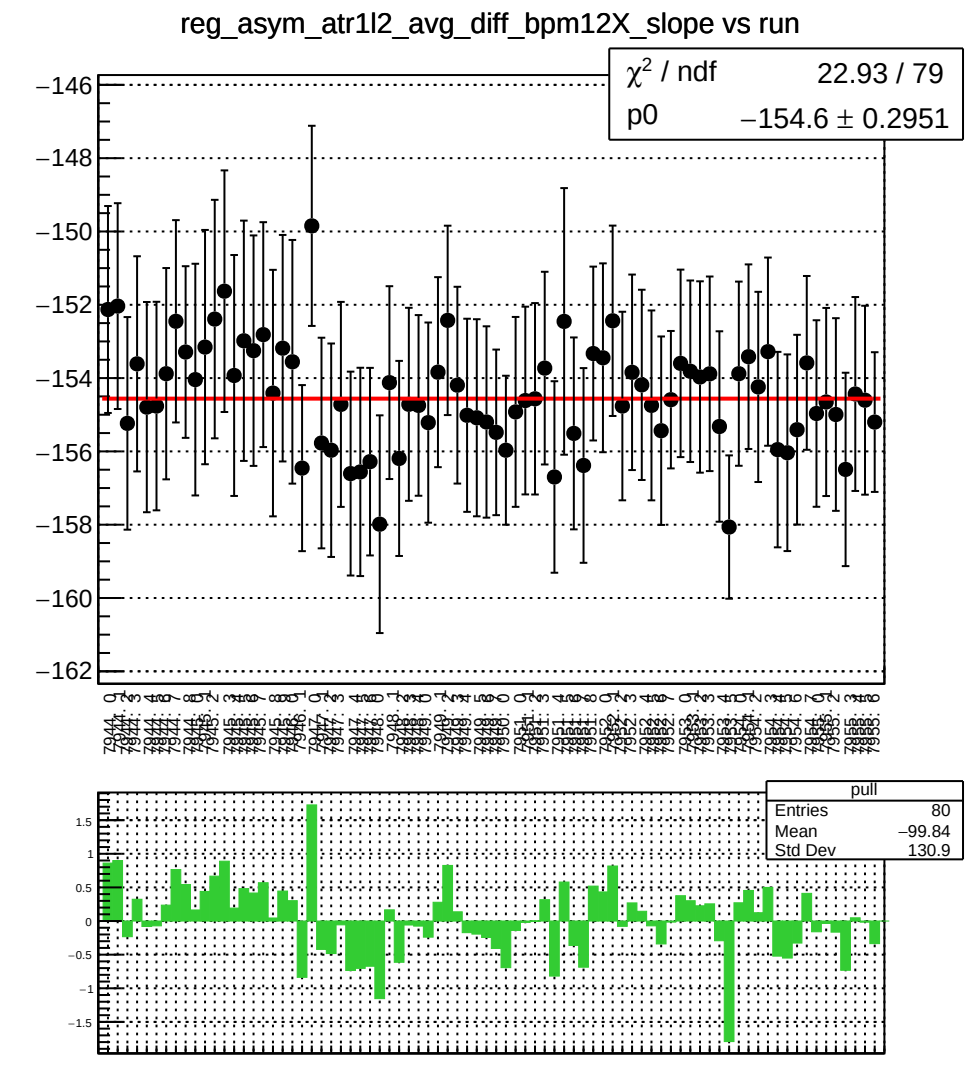

pull1D
Entries 80
Mean −0.005601
Std Dev 0.2969

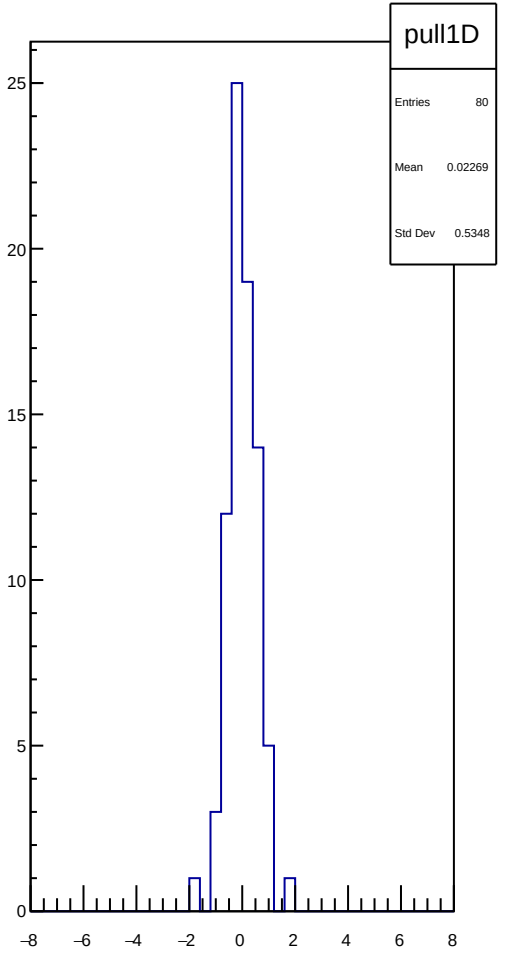

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.5 / 79
p0 79.02 ± 7.852
pull
Entries 80
Mean 644.9
Std Dev 600.4

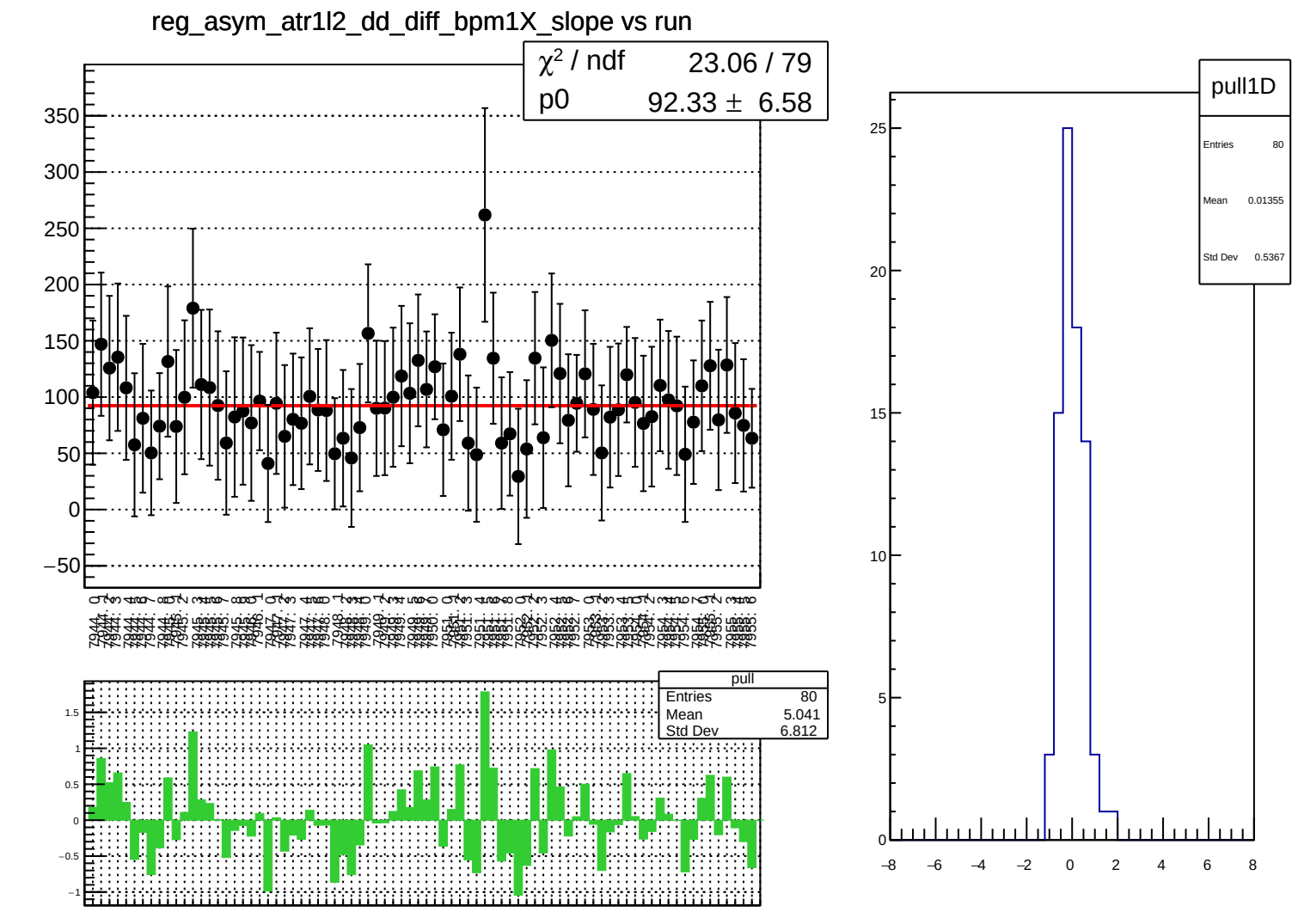

pull1D
Entries 80
Mean 0.003417
Std Dev 0.3622

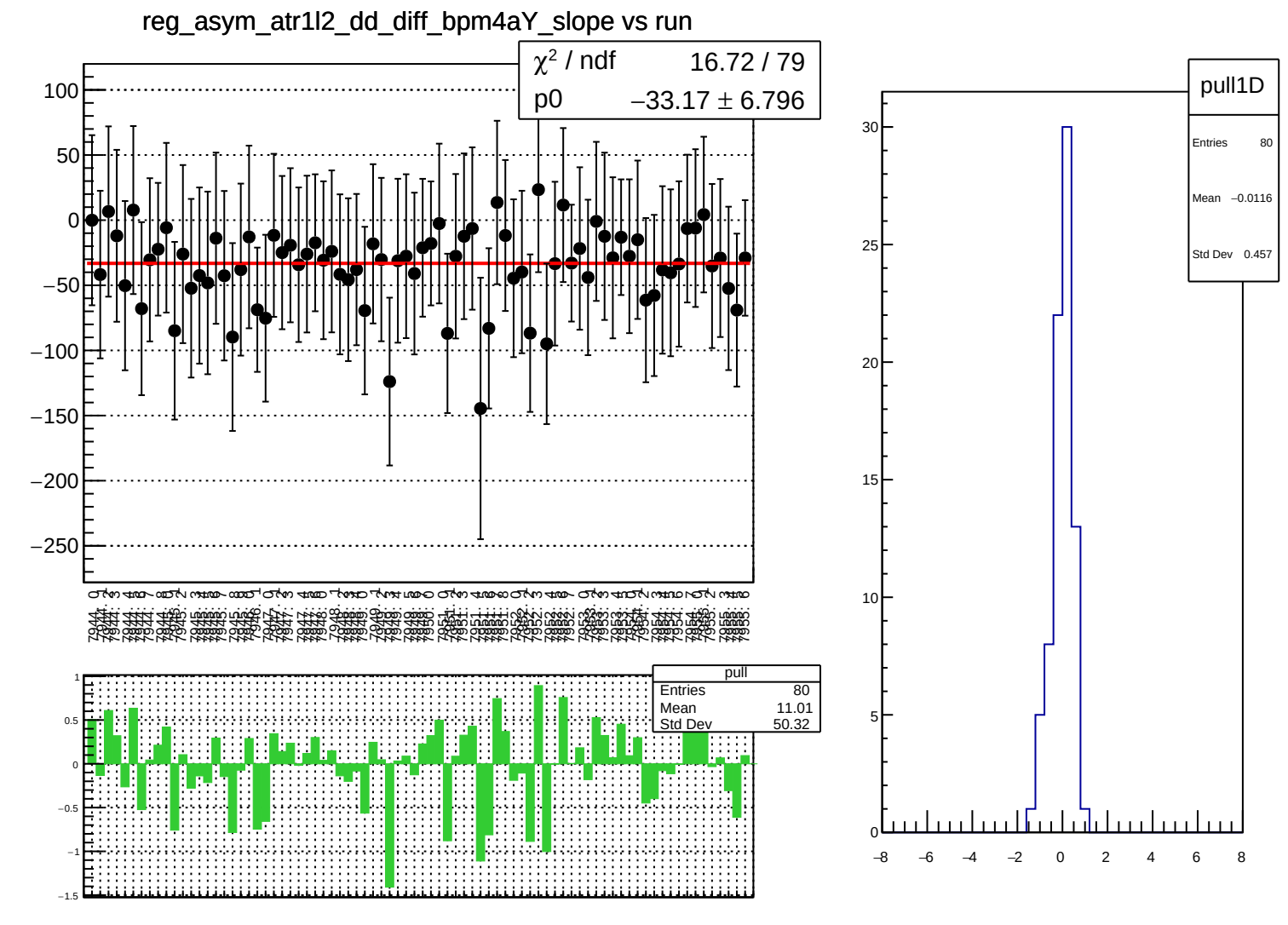

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.296 / 79
p0 23.12 ± 10.5
pull
Entries 80
Mean −153.6
Std Dev 198.8

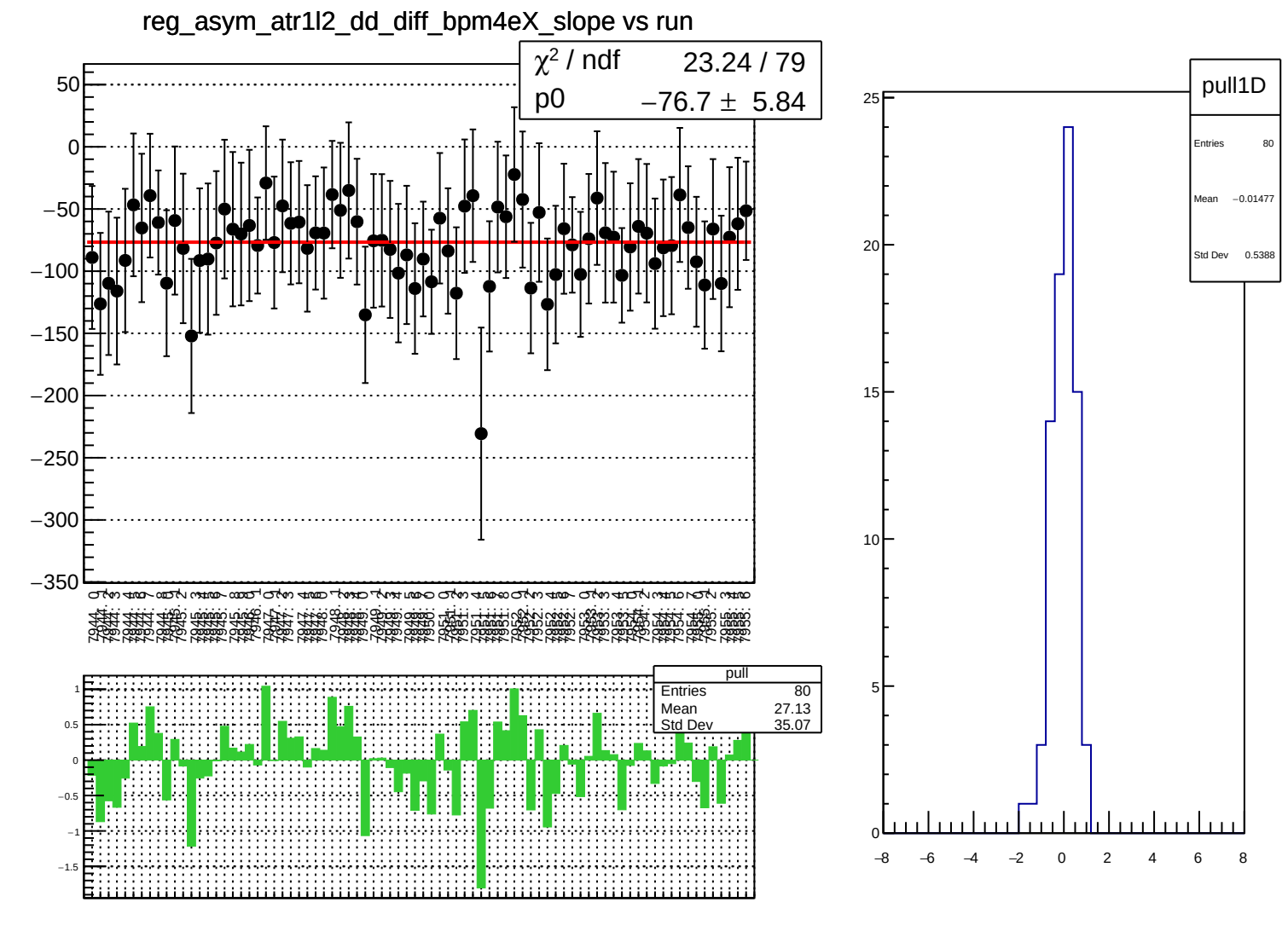

pull1D
Entries 80
Mean 0.006456
Std Dev 0.3019

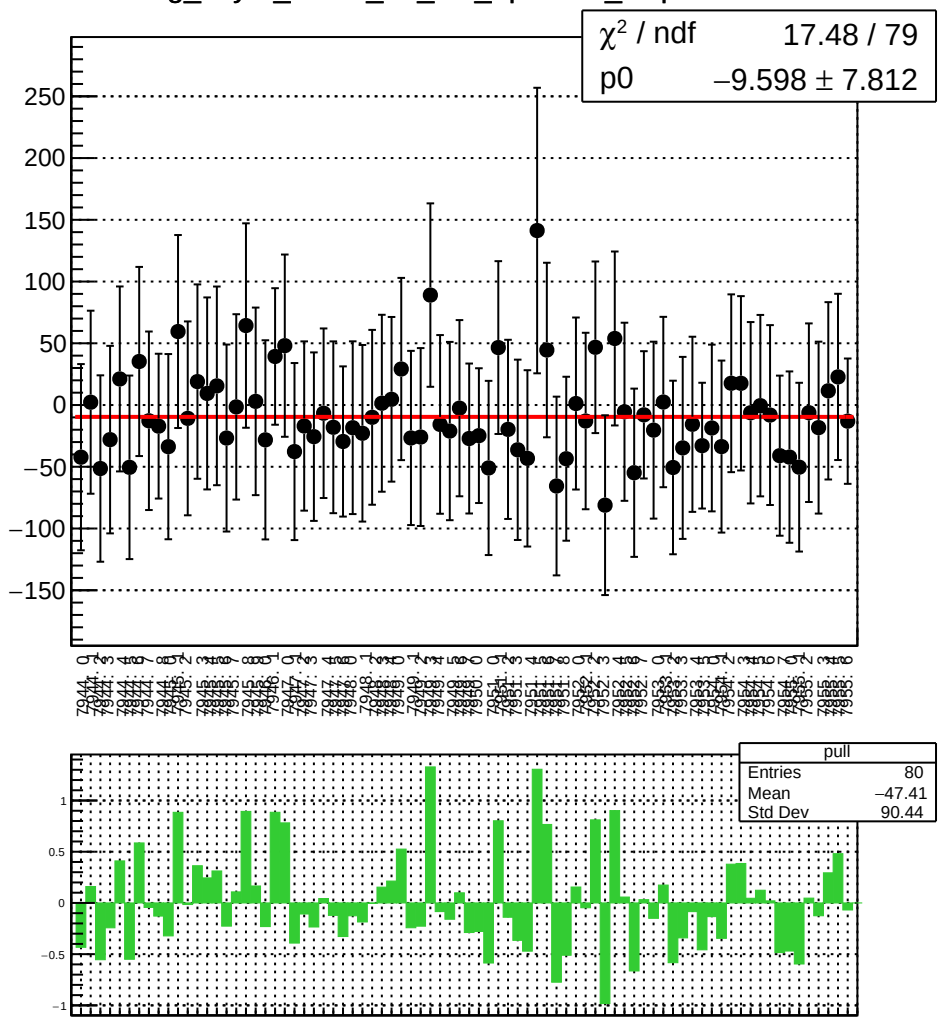

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 22.93 / 79
p0 −154.6 ± 0.2951
pull
Entries 80
Mean −99.84
Std Dev 130.9

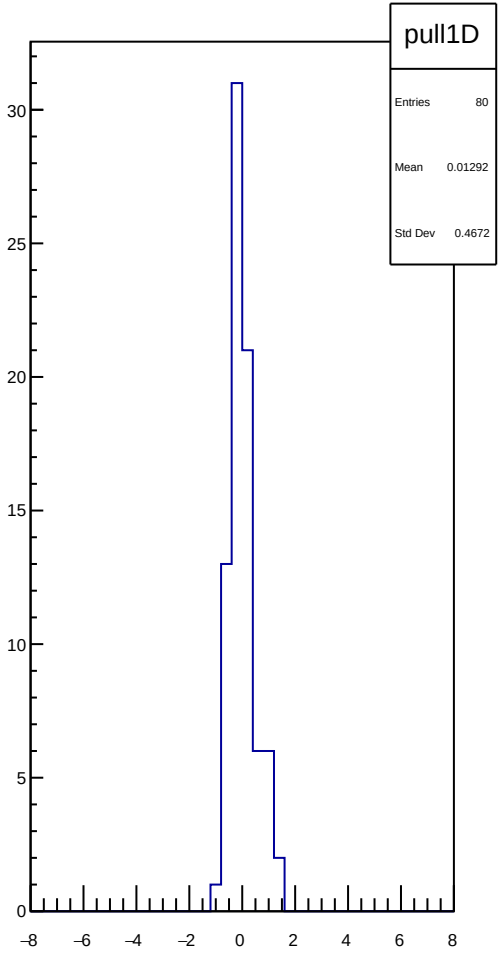

pull1D
Entries 80
Mean 0.02269
Std Dev 0.5348

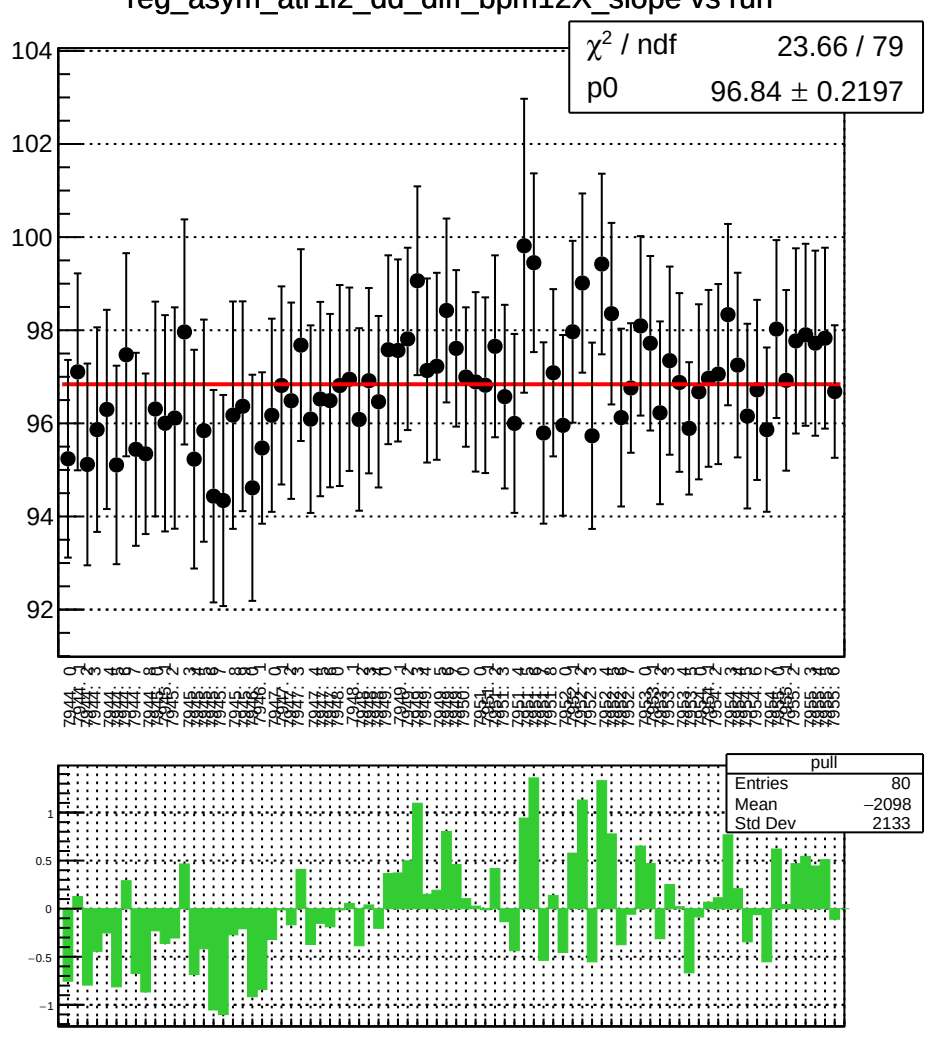

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 23.06 / 79
p0 92.33 ± 6.58
pull
Entries 80
Mean 5.041
Std Dev 6.812
pull1D
Entries 80
Mean 0.01355
Std Dev 0.5367

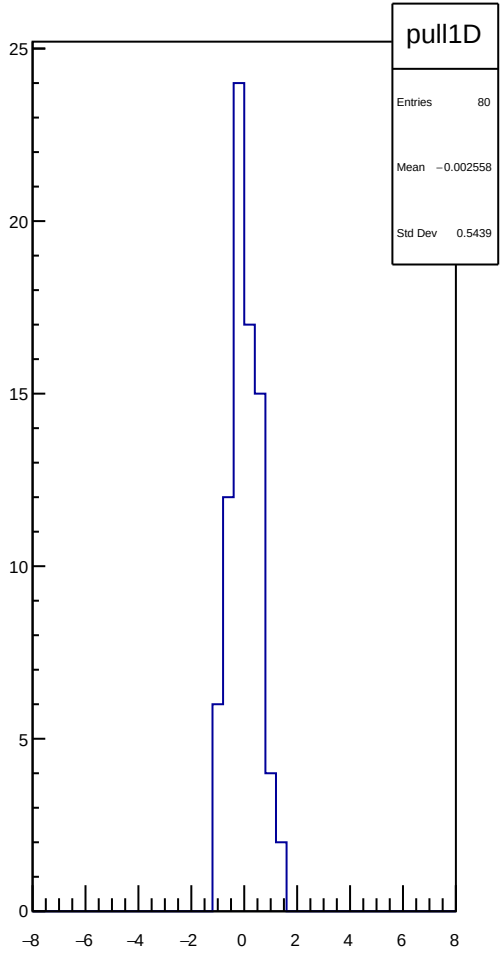

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.72 / 79
p0 −33.17 ± 6.796
pull
Entries 80
Mean 11.01
Std Dev 50.32
pull1D
Entries 80
Mean −0.0116
Std Dev 0.457

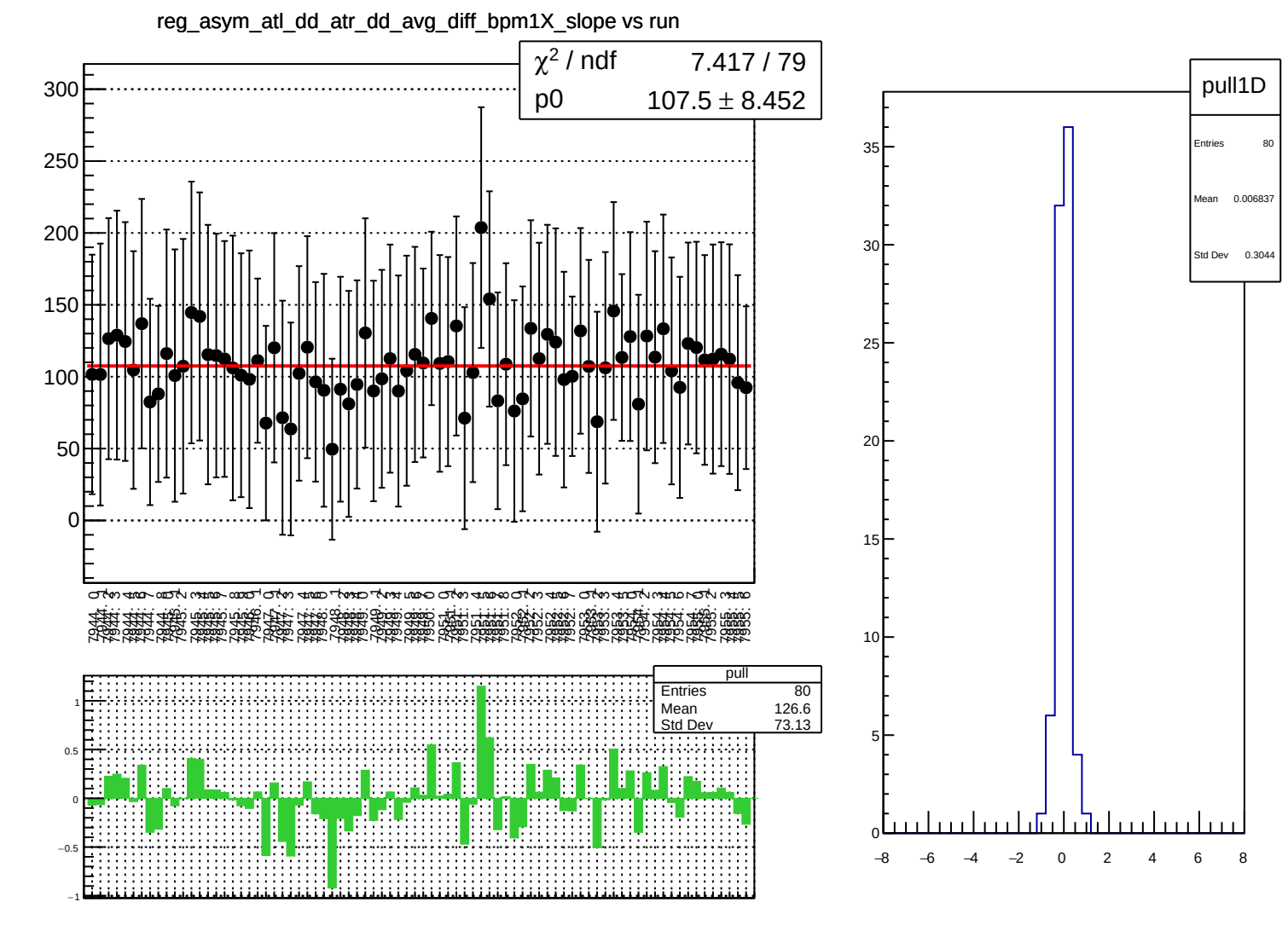

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.24 / 79
p0 −76.7 ± 5.84
pull
Entries 80
Mean 27.13
Std Dev 35.07
pull1D
Entries 80
Mean −0.01477
Std Dev 0.5388

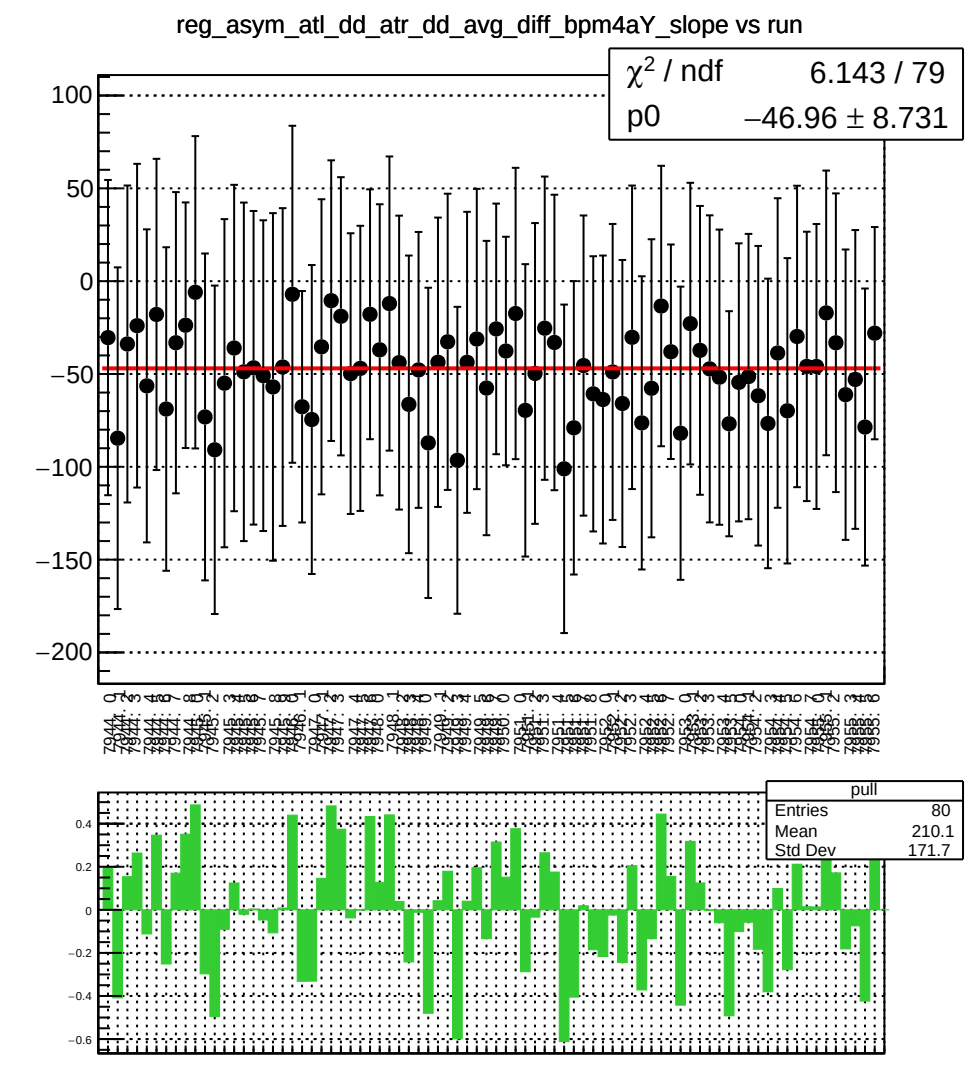

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.48 / 79
p0 −9.598 ± 7.812
pull
Entries 80
Mean −47.41
Std Dev 90.44

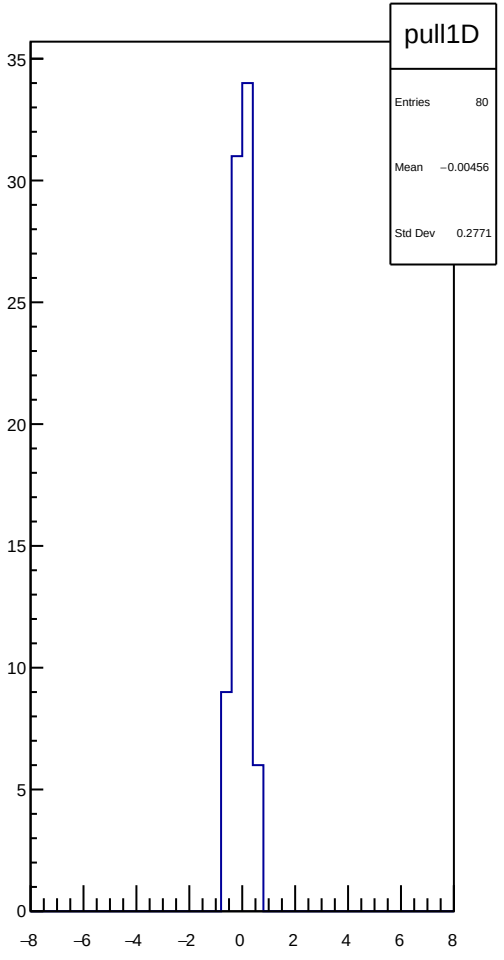

pull1D
Entries 80
Mean 0.01292
Std Dev 0.4672

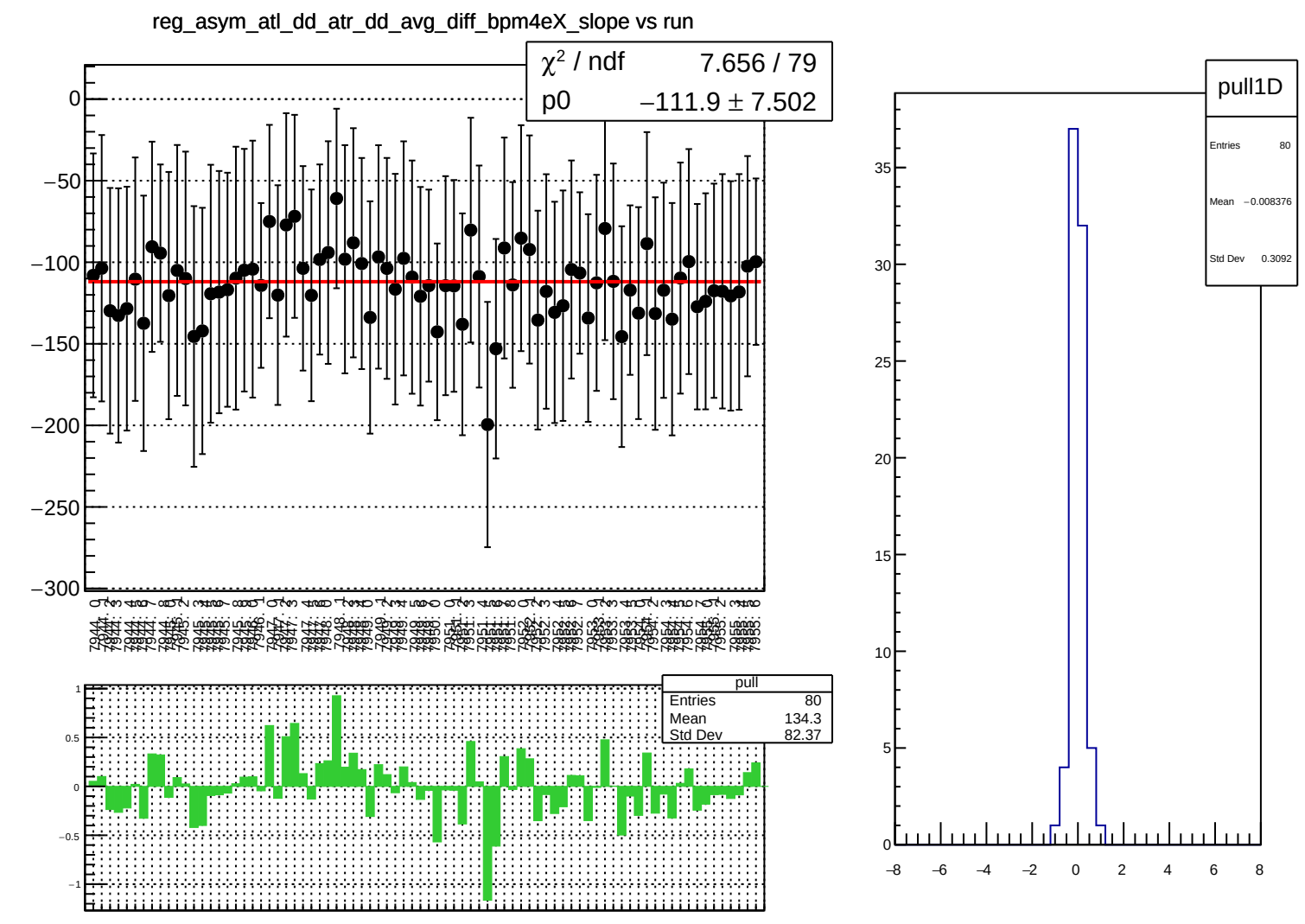

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 23.66 / 79
p0 96.84 ± 0.2197
104
102
100
98
96
94
92
pull
Entries 80
Mean −2098
Std Dev 2133
1
0.5
0
−0.5
−1

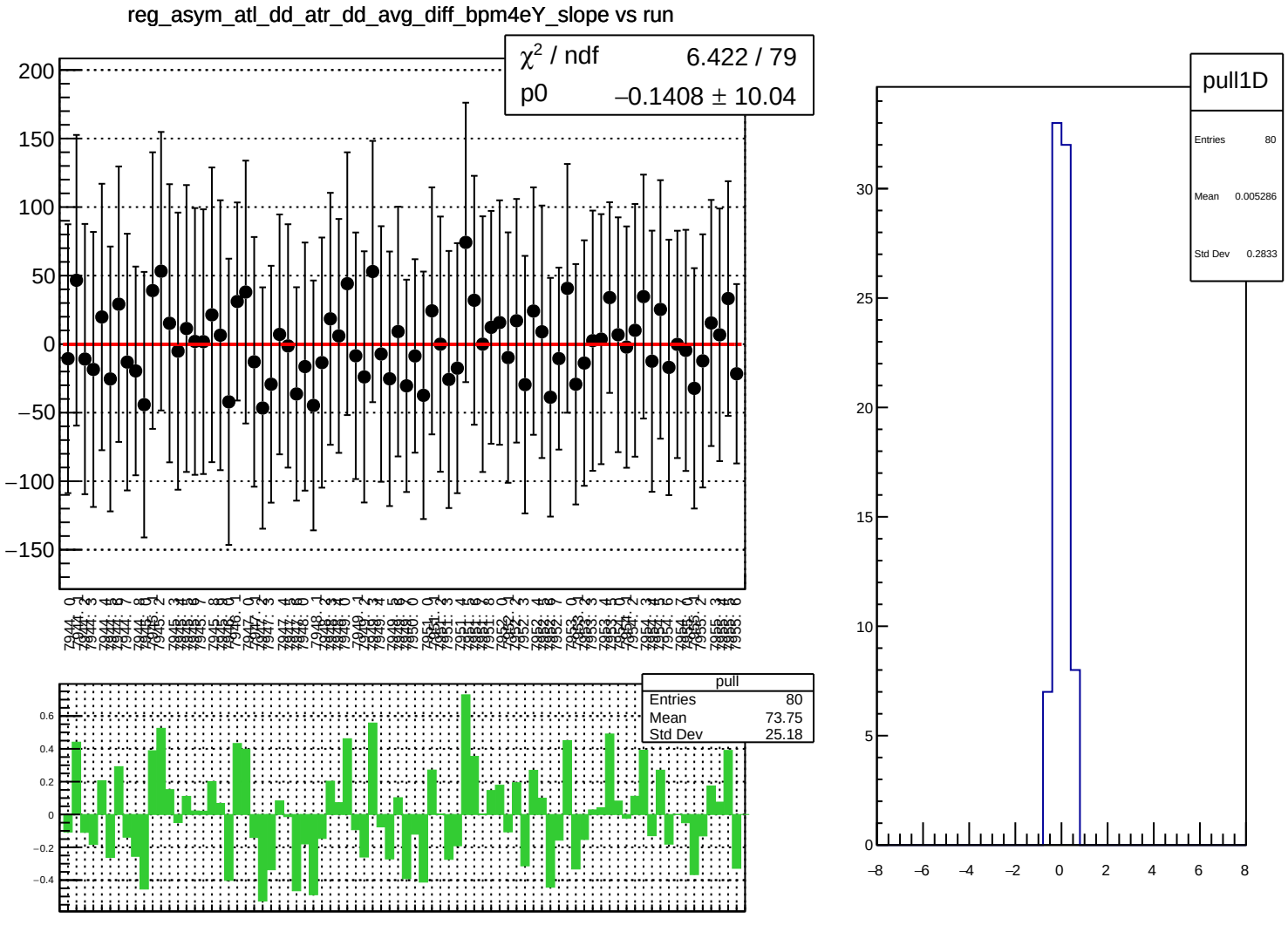

pull1D
Entries 80
Mean −0.002558
Std Dev 0.5439
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

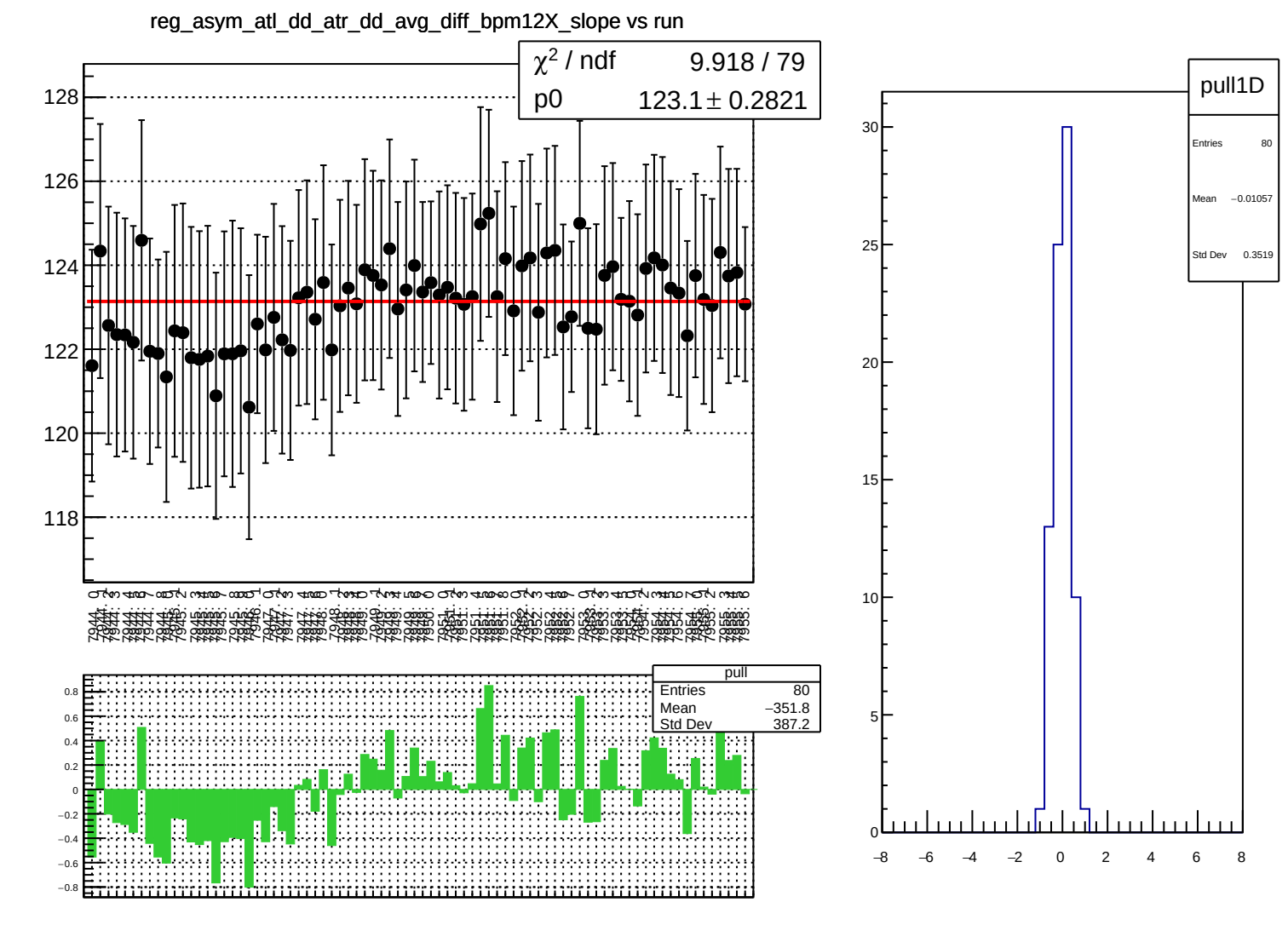

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 7.417 / 79
p0 107.5 ± 8.452
pull
Entries 80
Mean 126.6
Std Dev 73.13
pull1D
Entries 80
Mean 0.006837
Std Dev 0.3044

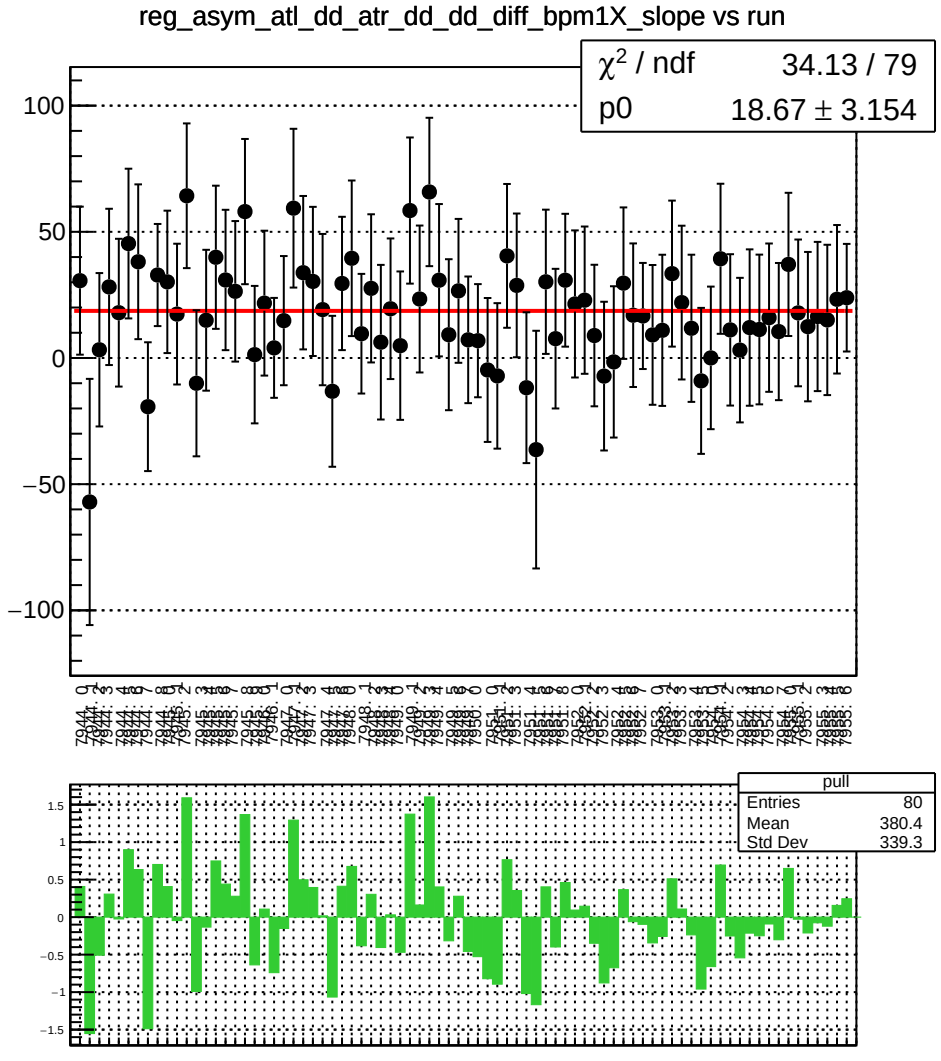

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.143 / 79
p0 −46.96 ± 8.731
pull
Entries 80
Mean 210.1
Std Dev 171.7

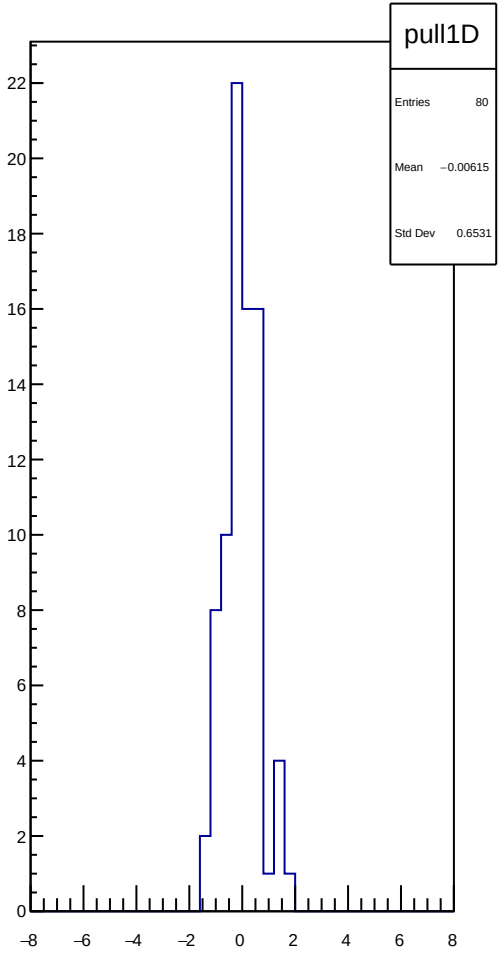

pull1D
Entries 80
Mean −0.00456
Std Dev 0.2771

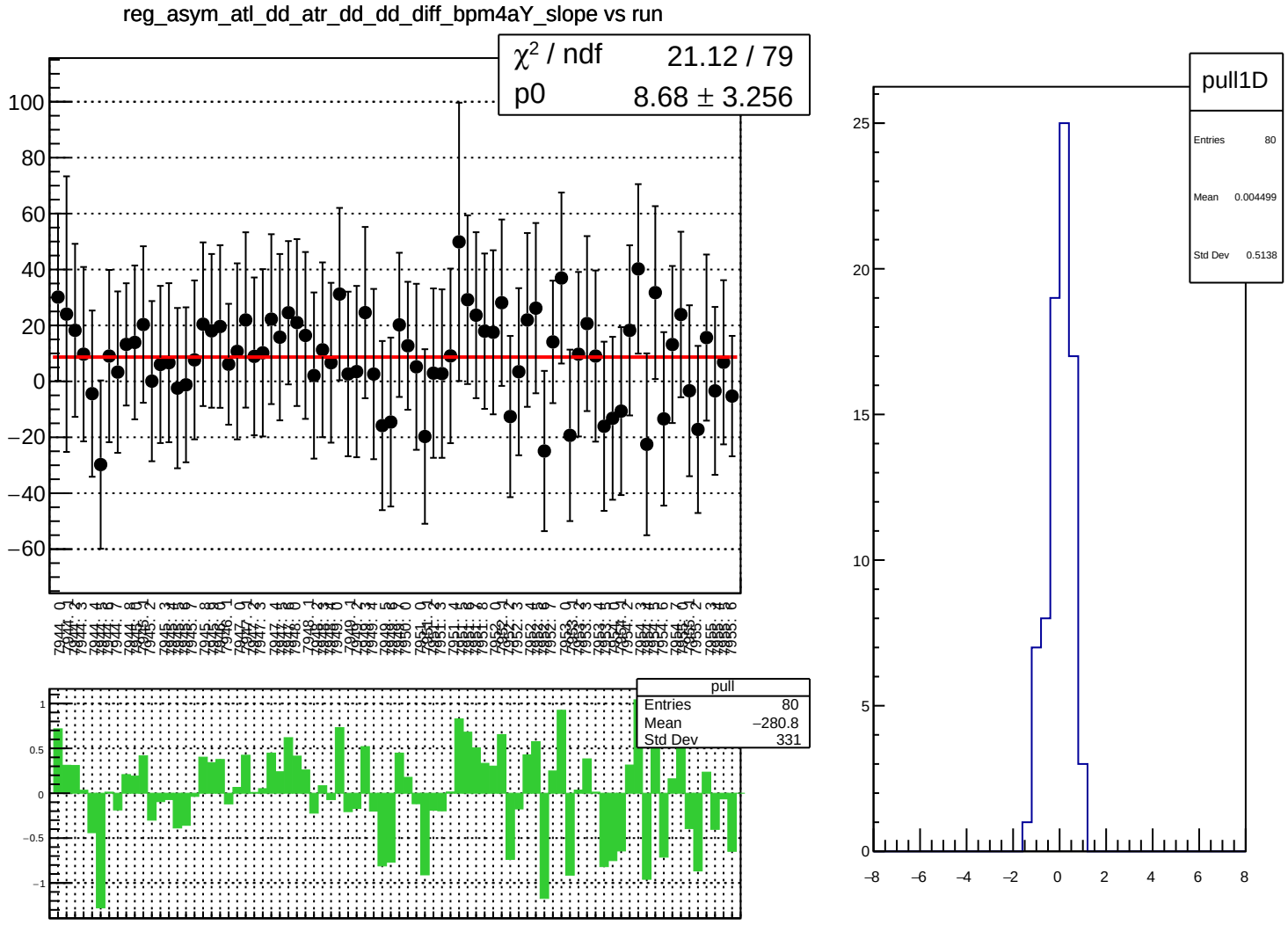

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.656 / 79
p0 −111.9 ± 7.502
pull
Entries 80
Mean 134.3
Std Dev 82.37
pull1D
Entries 80
Mean −0.008376
Std Dev 0.3092

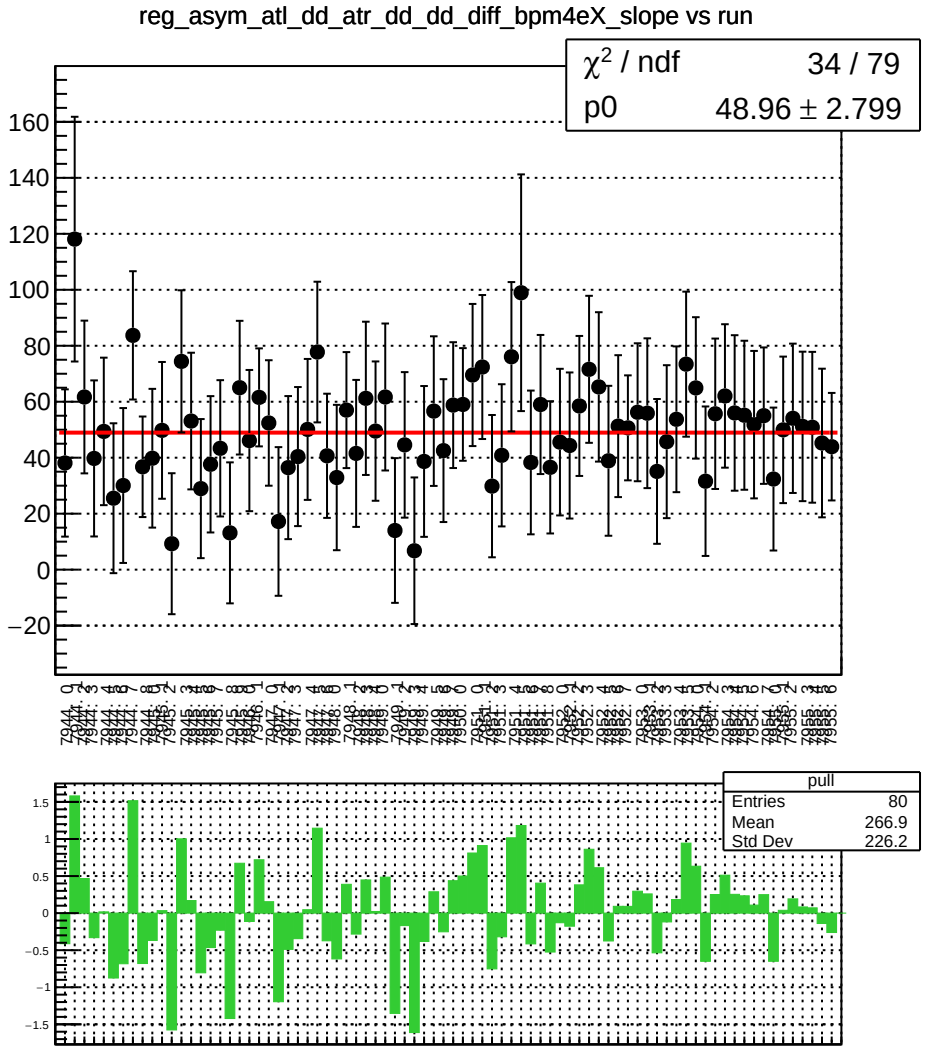

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.422 / 79
p0 −0.1408 ± 10.04
pull
Entries 80
Mean 73.75
Std Dev 25.18
pull1D
Entries 80
Mean 0.005286
Std Dev 0.2833

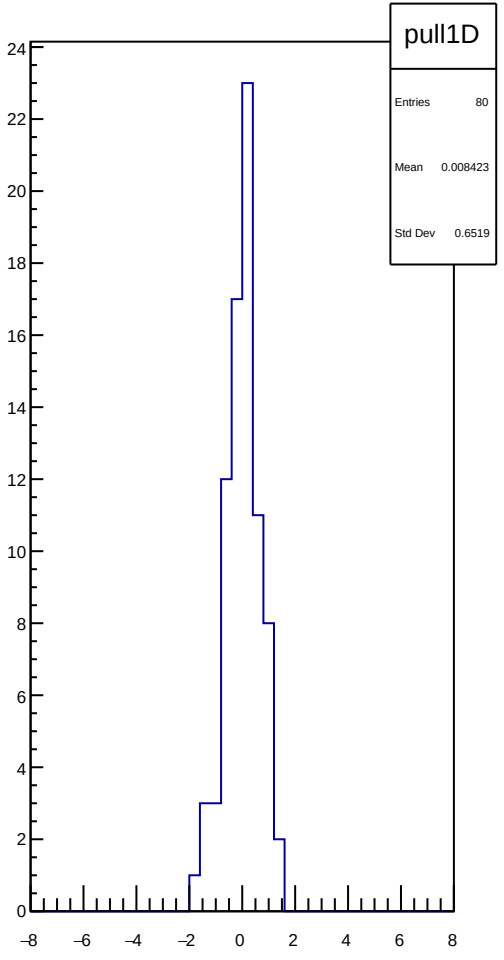

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 9.918 / 79
p0 123.1 ± 0.2821
128
126
124
122
120
118
pull
Entries 80
Mean −351.8
Std Dev 387.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean −0.01057
Std Dev 0.3519
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

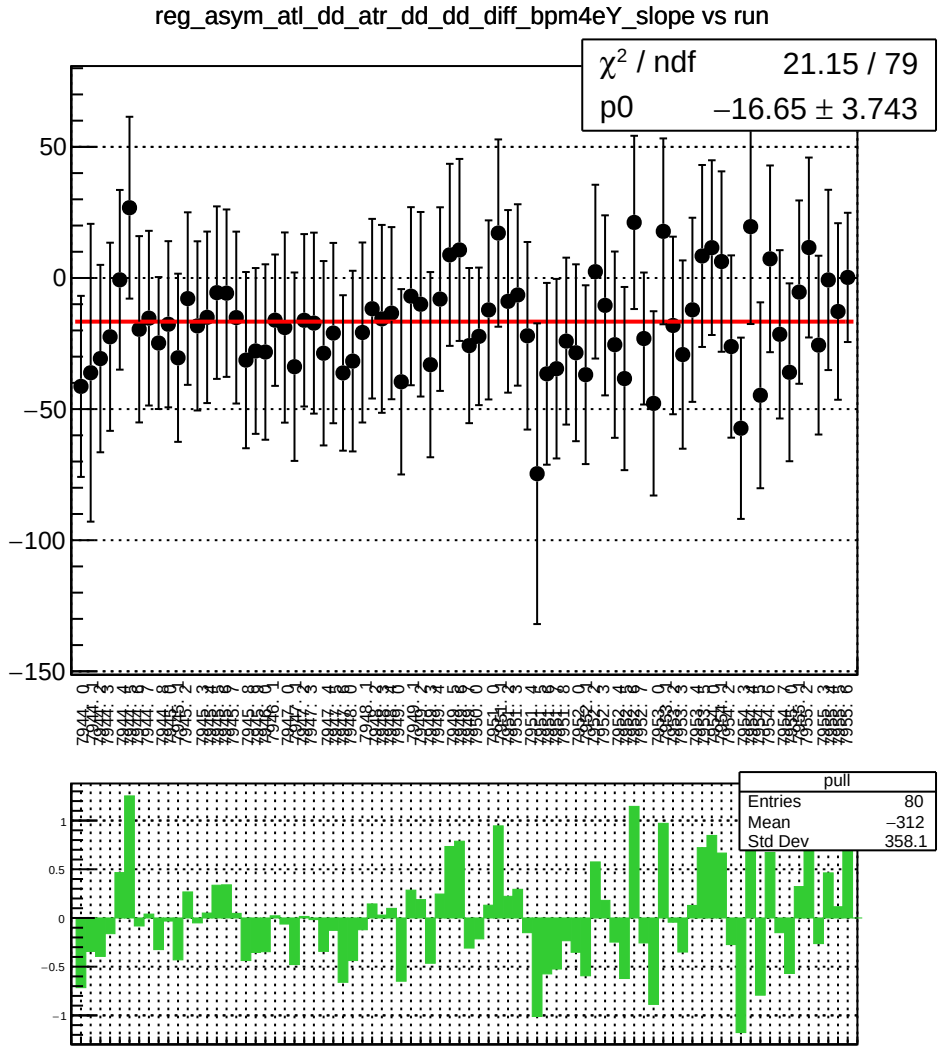

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 34.13 / 79
p0 18.67 ± 3.154
pull
Entries 80
Mean 380.4
Std Dev 339.3

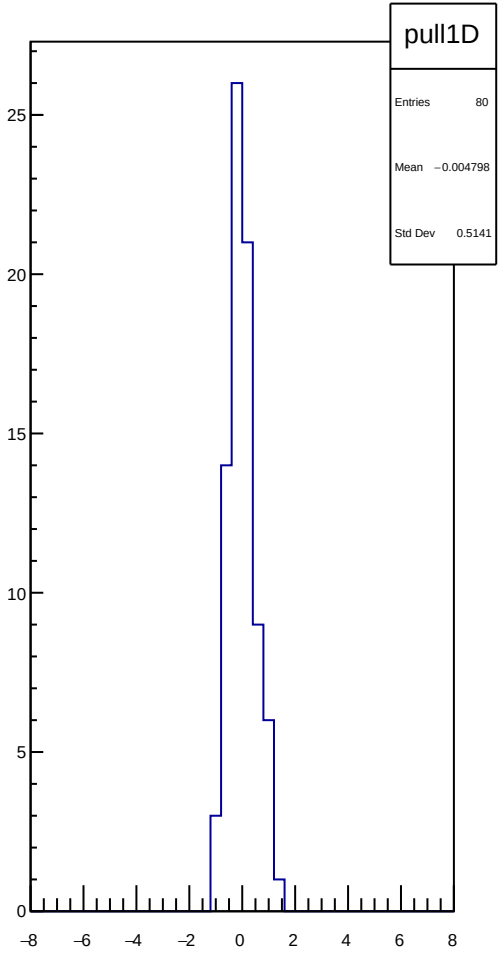

pull1D
Entries 80
Mean −0.00615
Std Dev 0.6531

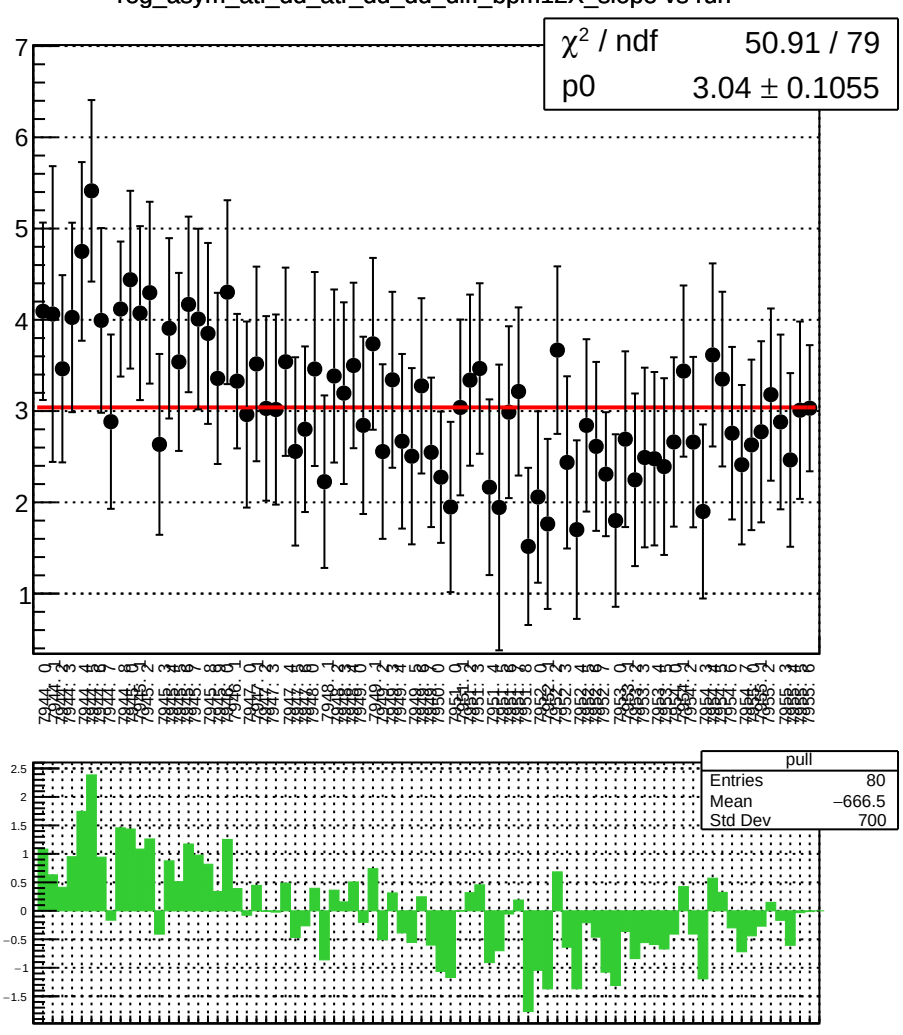

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.12 / 79
p0 8.68 ± 3.256
pull
Entries 80
Mean −280.8
Std Dev 331
pull1D
Entries 80
Mean 0.004499
Std Dev 0.5138

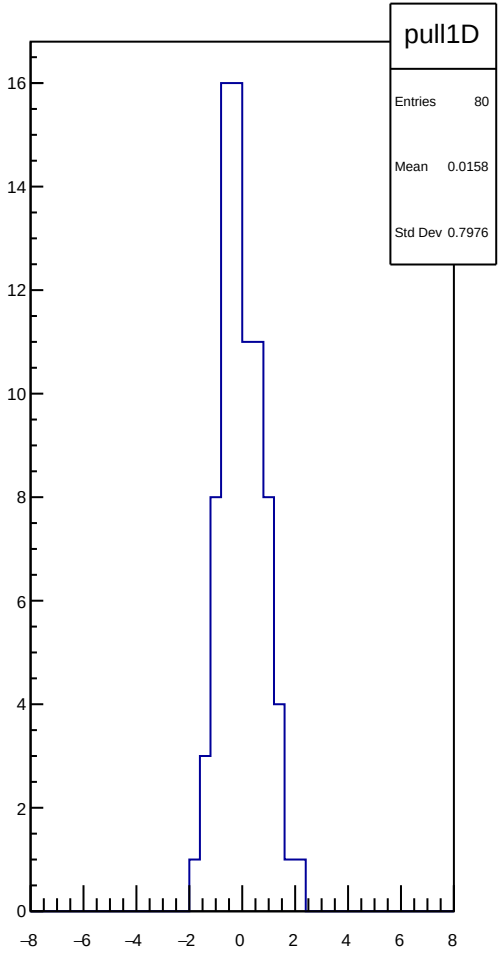

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 34 / 79
p0 48.96 ± 2.799
pull
Entries 80
Mean 266.9
Std Dev 226.2

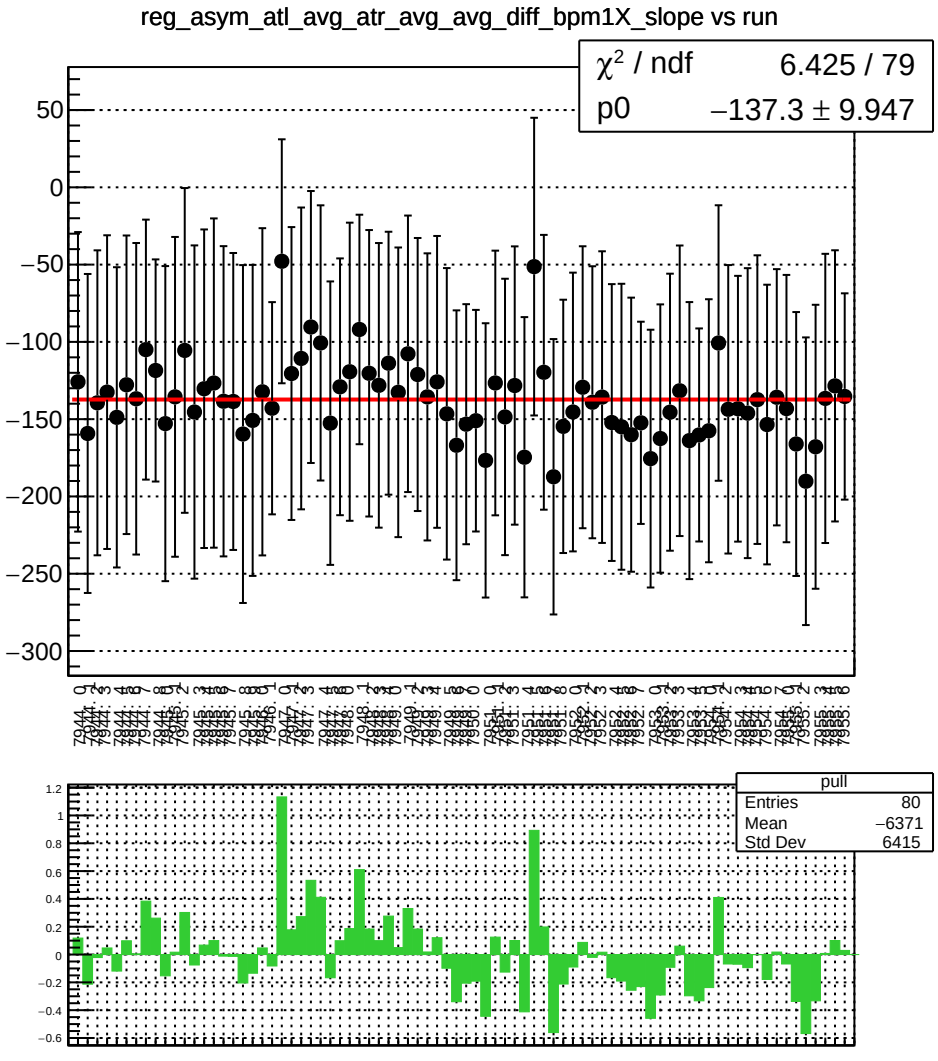

pull1D
Entries 80
Mean 0.008423
Std Dev 0.6519

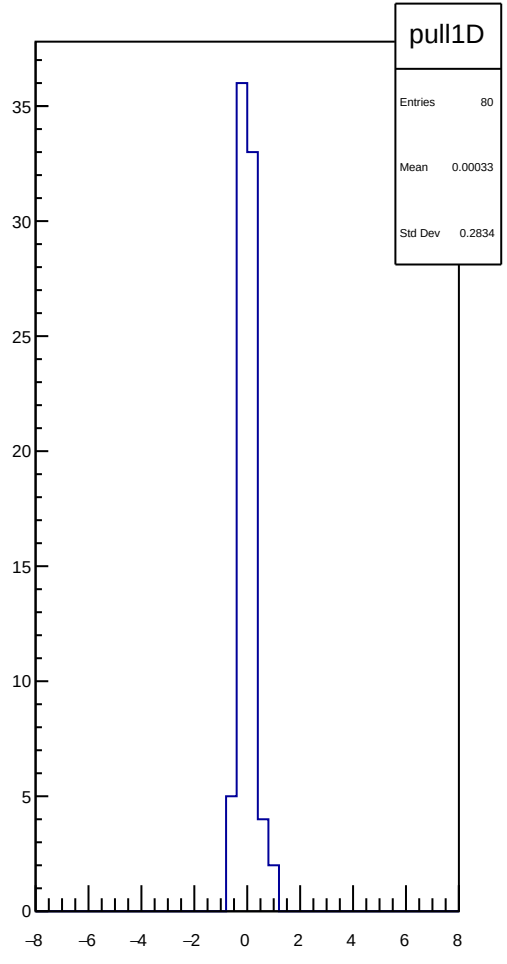

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.15 / 79
p0 −16.65 ± 3.743
pull
Entries 80
Mean −312
Std Dev 358.1

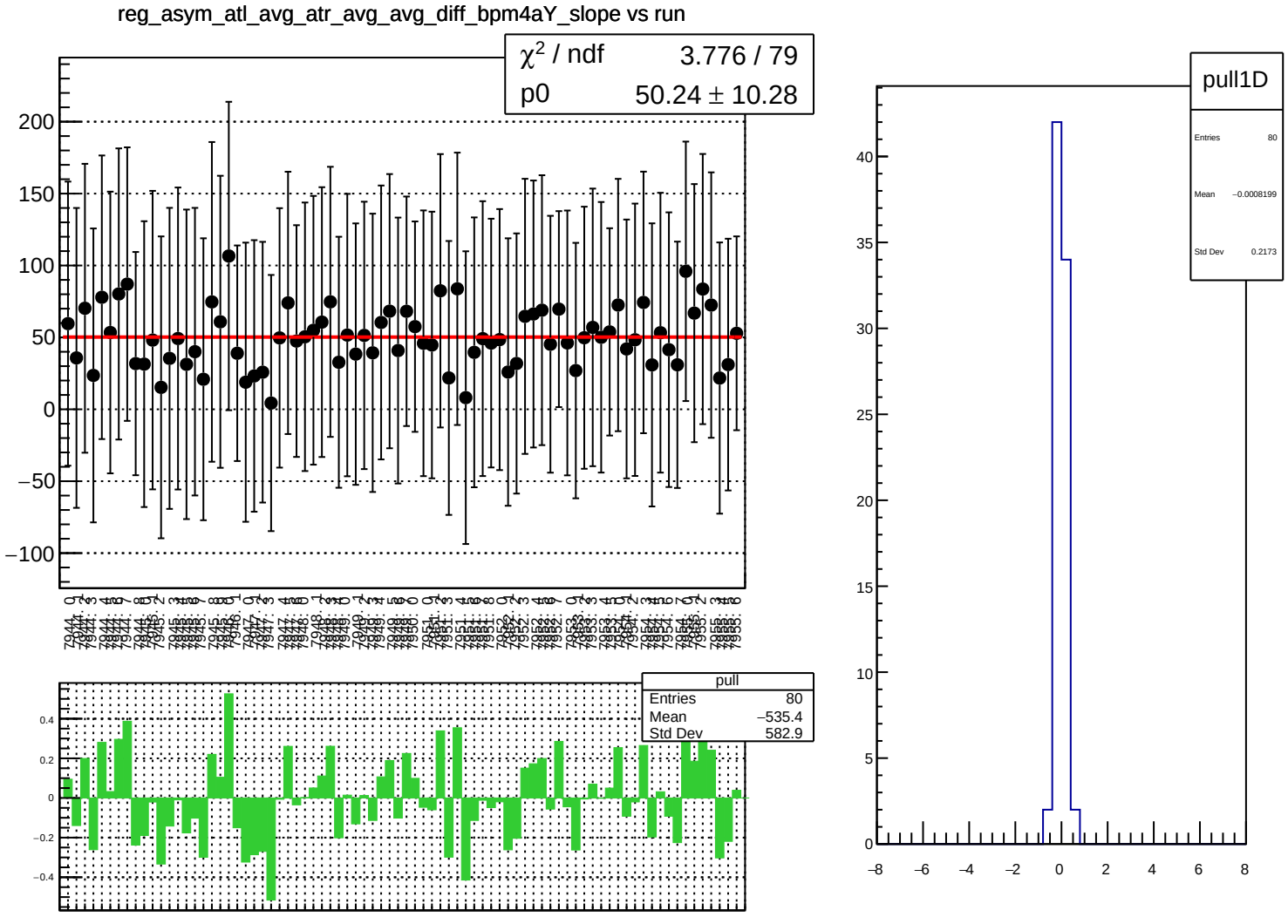

pull1D
Entries 80
Mean −0.004798
Std Dev 0.5141

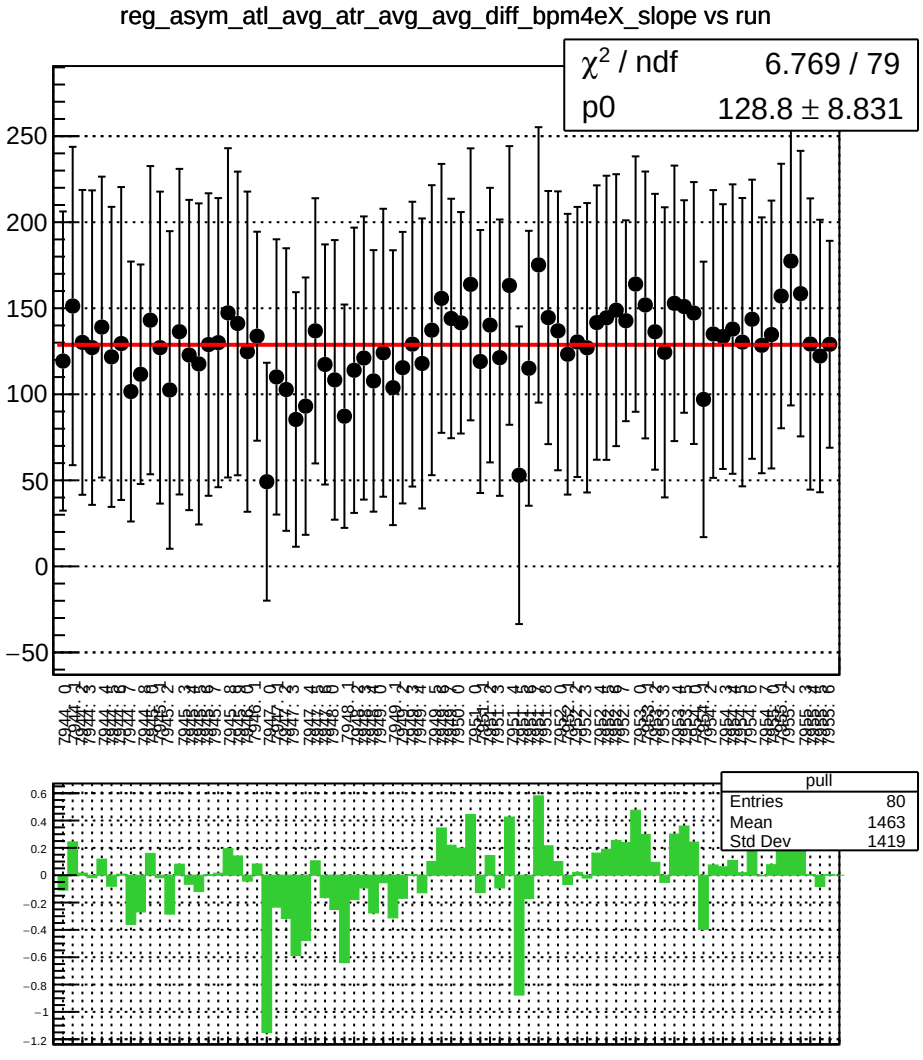

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 50.91 / 79
p0 3.04 ± 0.1055
pull
Entries 80
Mean −666.5
Std Dev 700

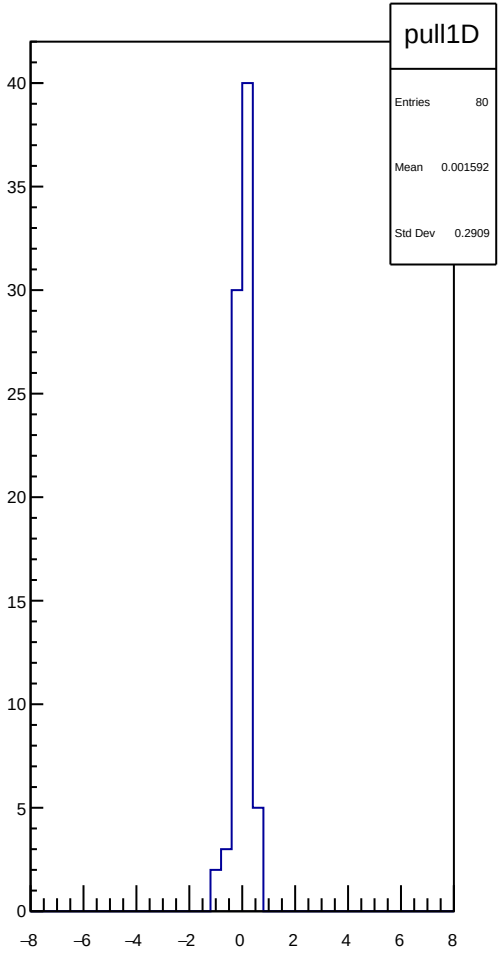

pull1D
Entries 80
Mean 0.0158
Std Dev 0.7976

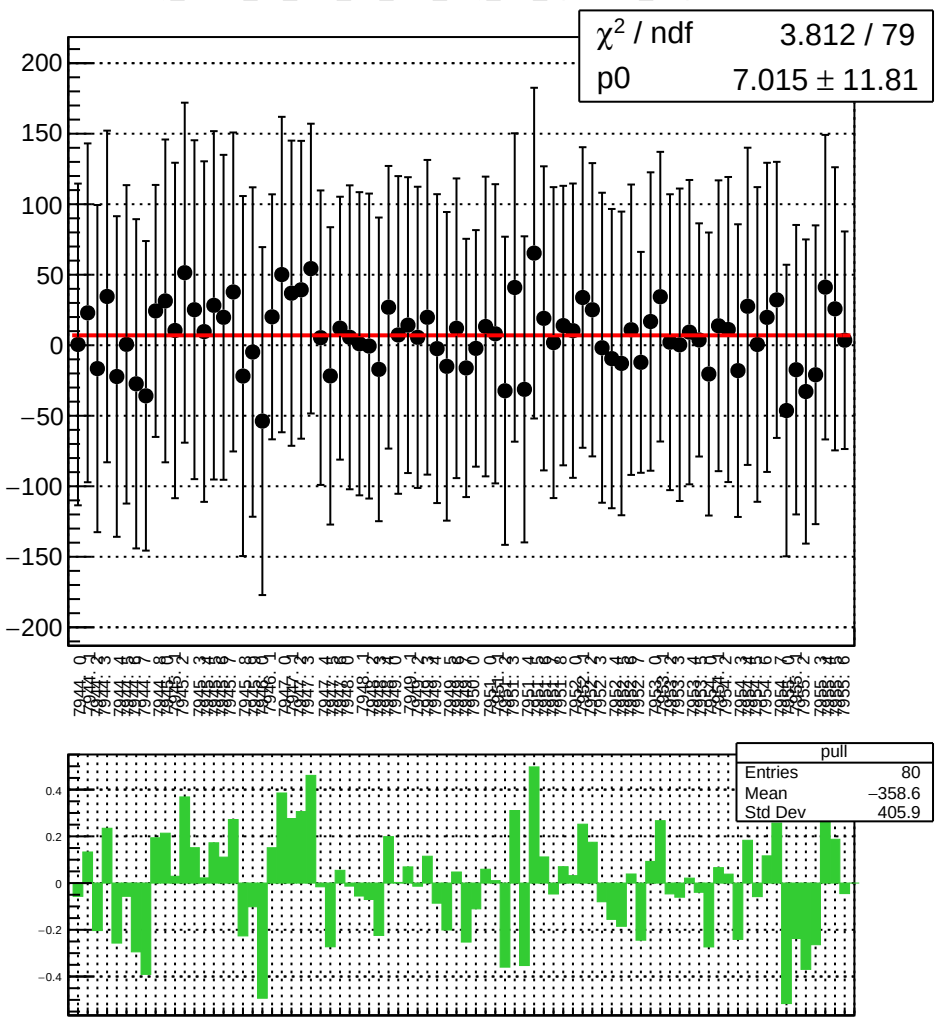

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.425 / 79
p0 −137.3 ± 9.947
pull
Entries 80
Mean −6371
Std Dev 6415

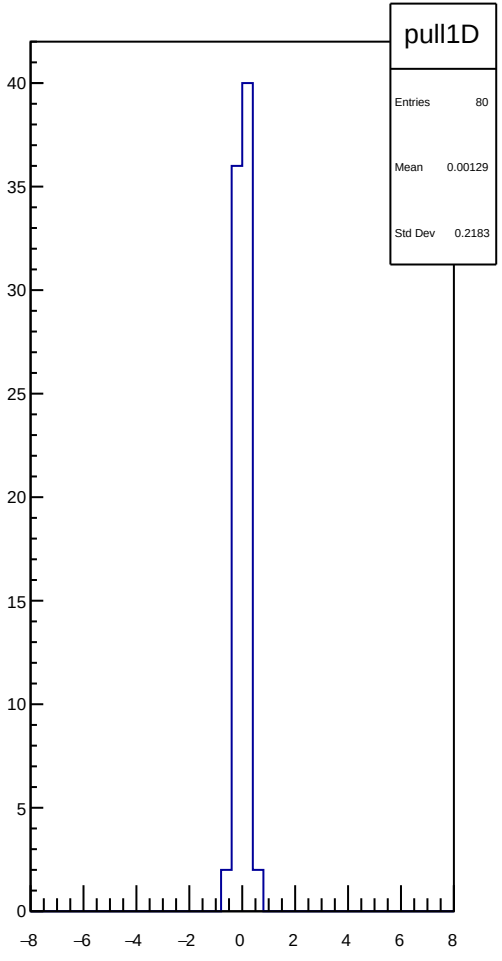

pull1D
Entries 80
Mean 0.00033
Std Dev 0.2834

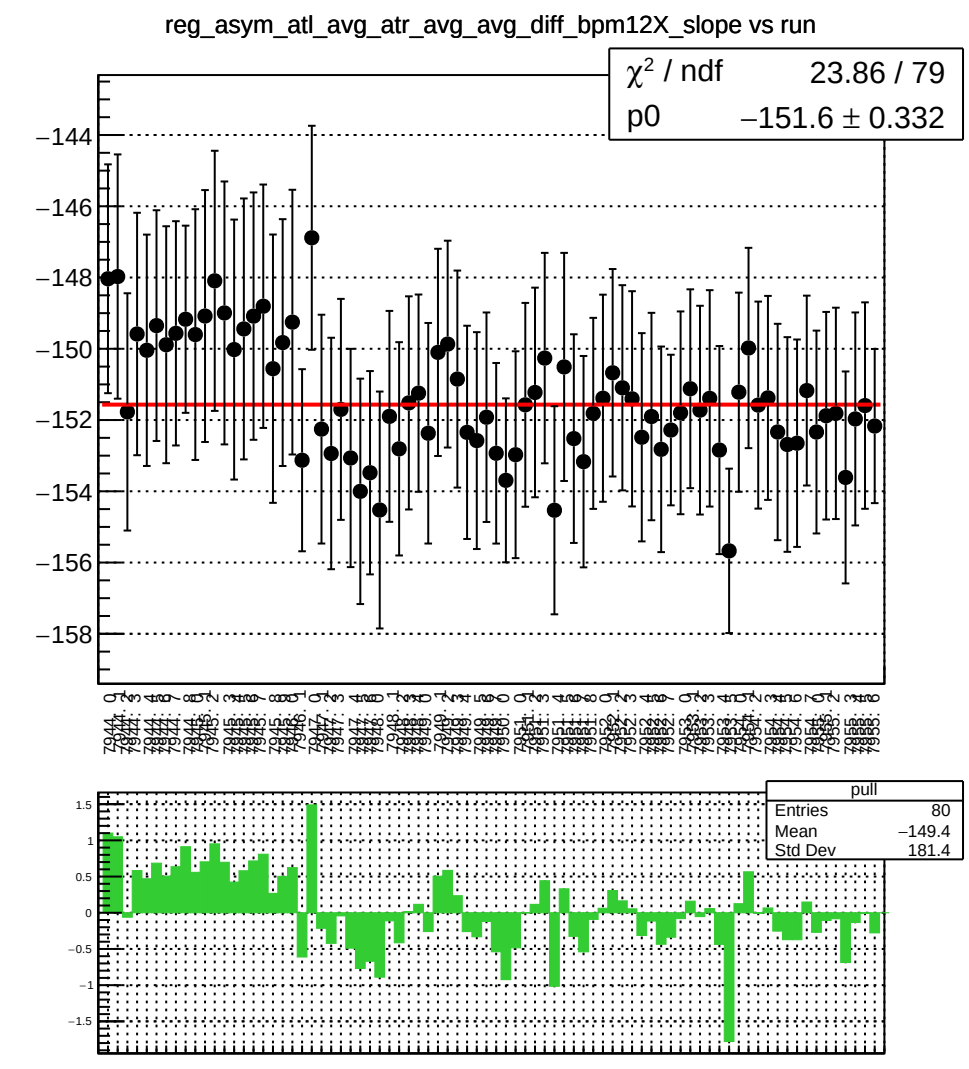

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.776 / 79
p0 50.24 ± 10.28
200
150
100
50
0
−50
−100
pull
Entries 80
Mean −535.4
Std Dev 582.9
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 80
Mean −0.0008199
Std Dev 0.2173
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

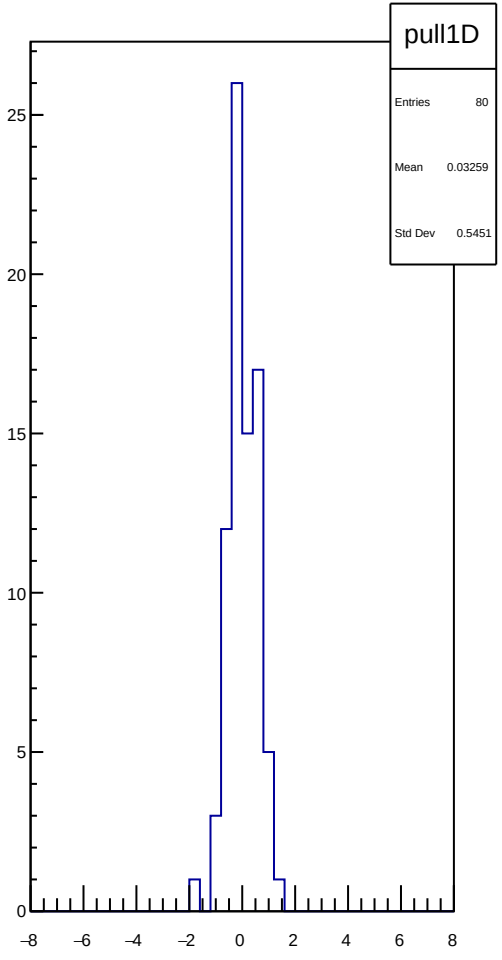

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.769 / 79
p0 128.8 ± 8.831
pull
Entries 80
Mean 1463
Std Dev 1419

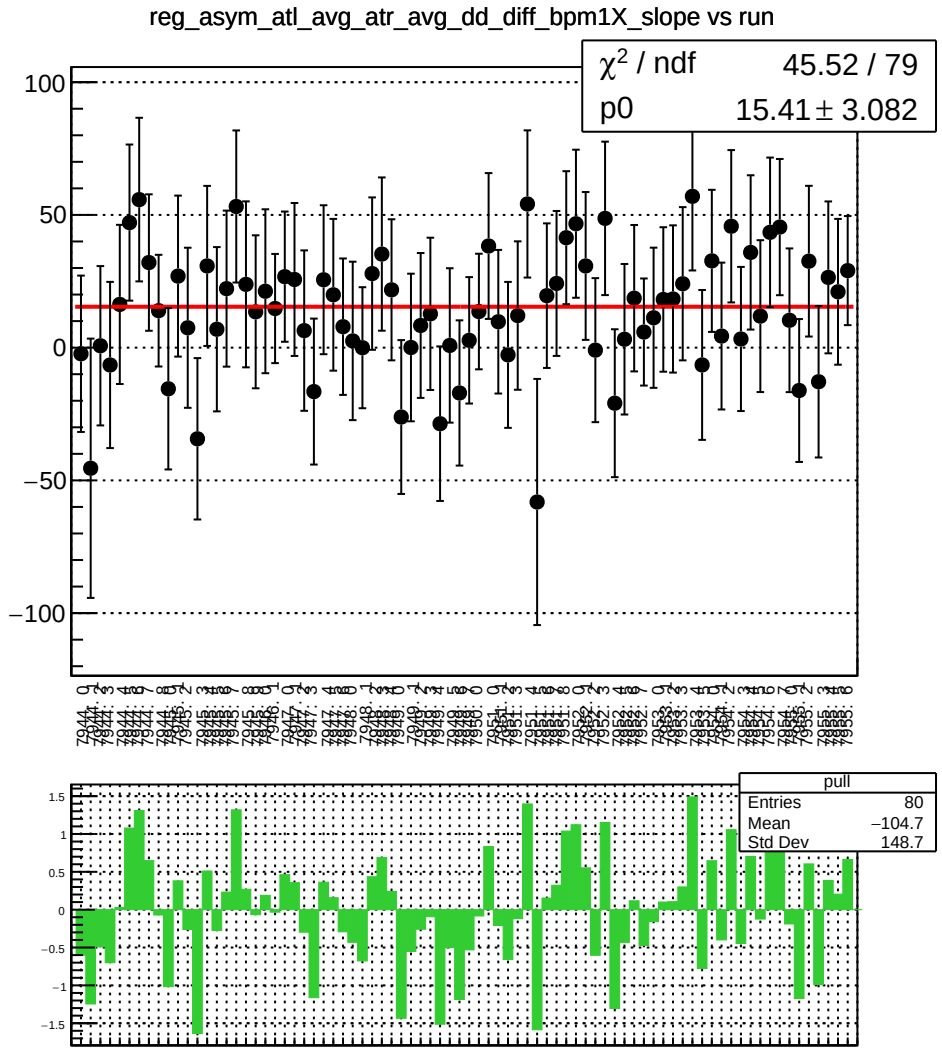

pull1D
Entries 80
Mean 0.001592
Std Dev 0.2909

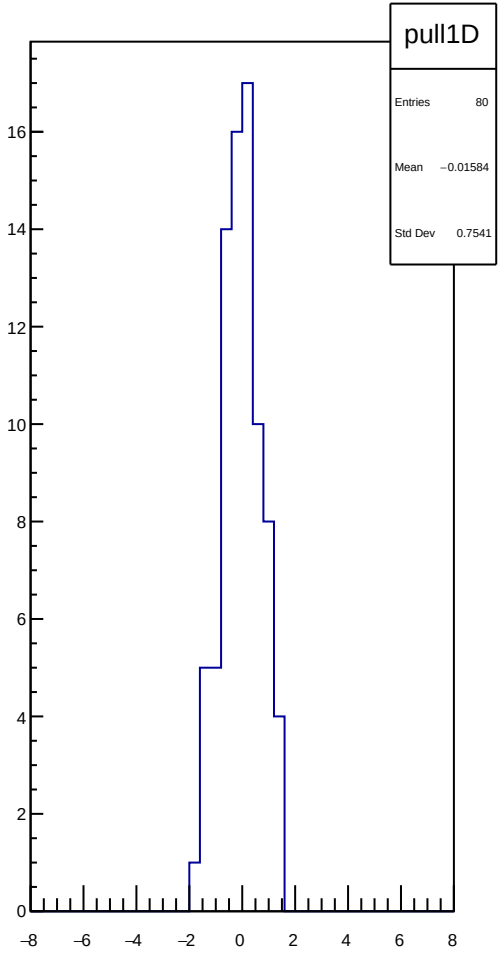

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.812 / 79
p0 7.015 ± 11.81
pull
Entries 80
Mean −358.6
Std Dev 405.9

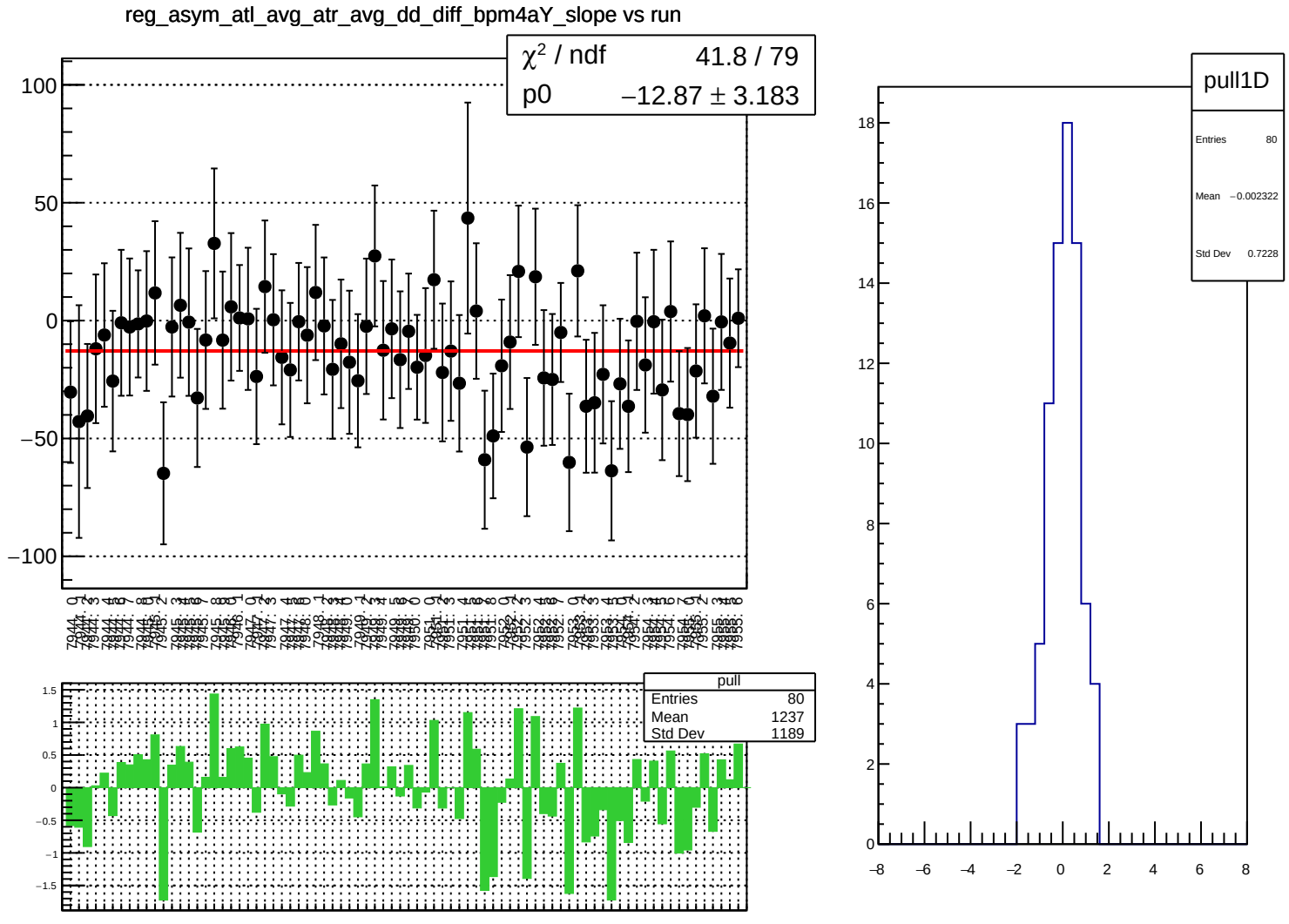

pull1D
Entries 80
Mean 0.00129
Std Dev 0.2183

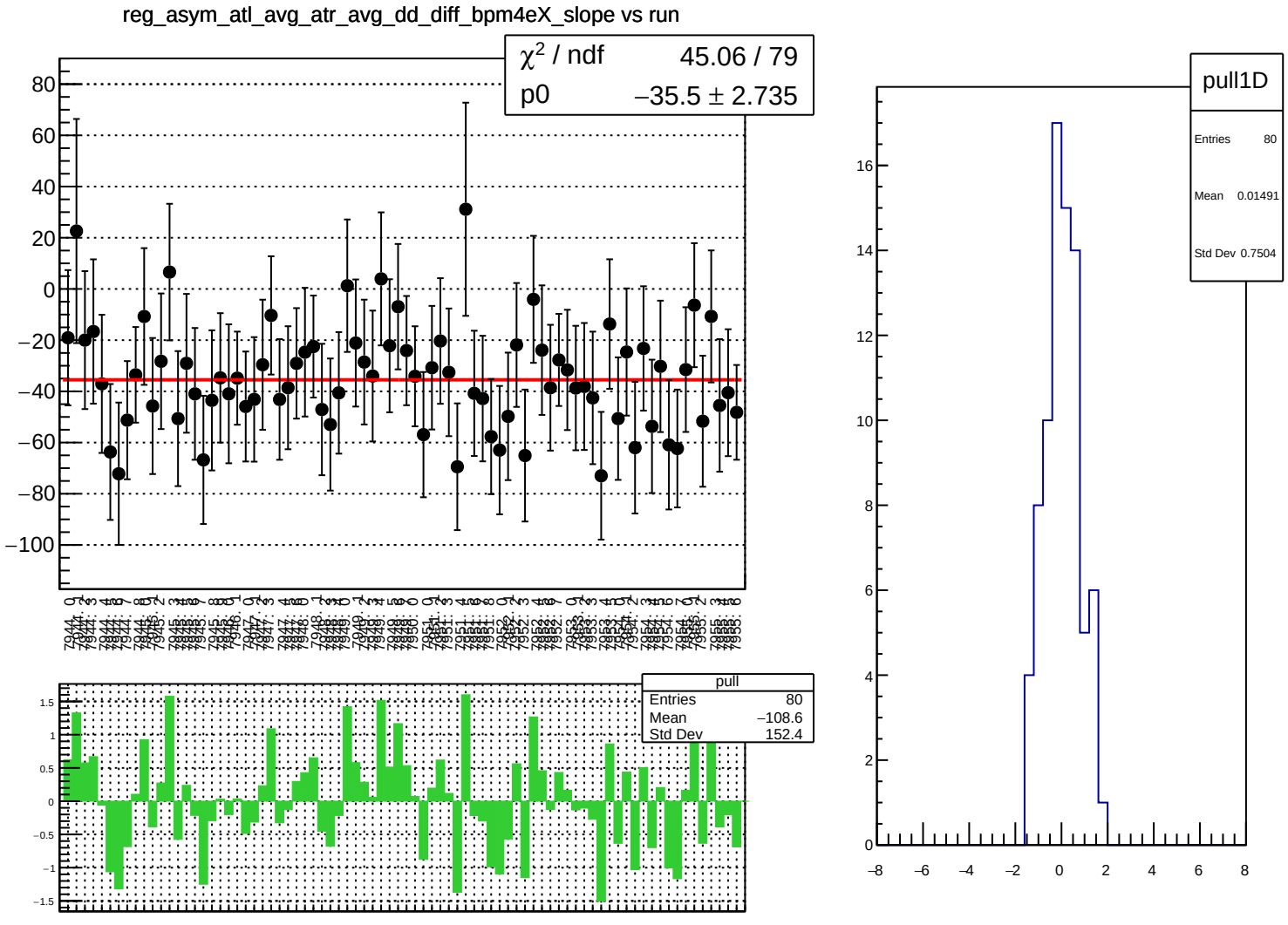

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 23.86 / 79
p0 −151.6 ± 0.332
pull
Entries 80
Mean −149.4
Std Dev 181.4

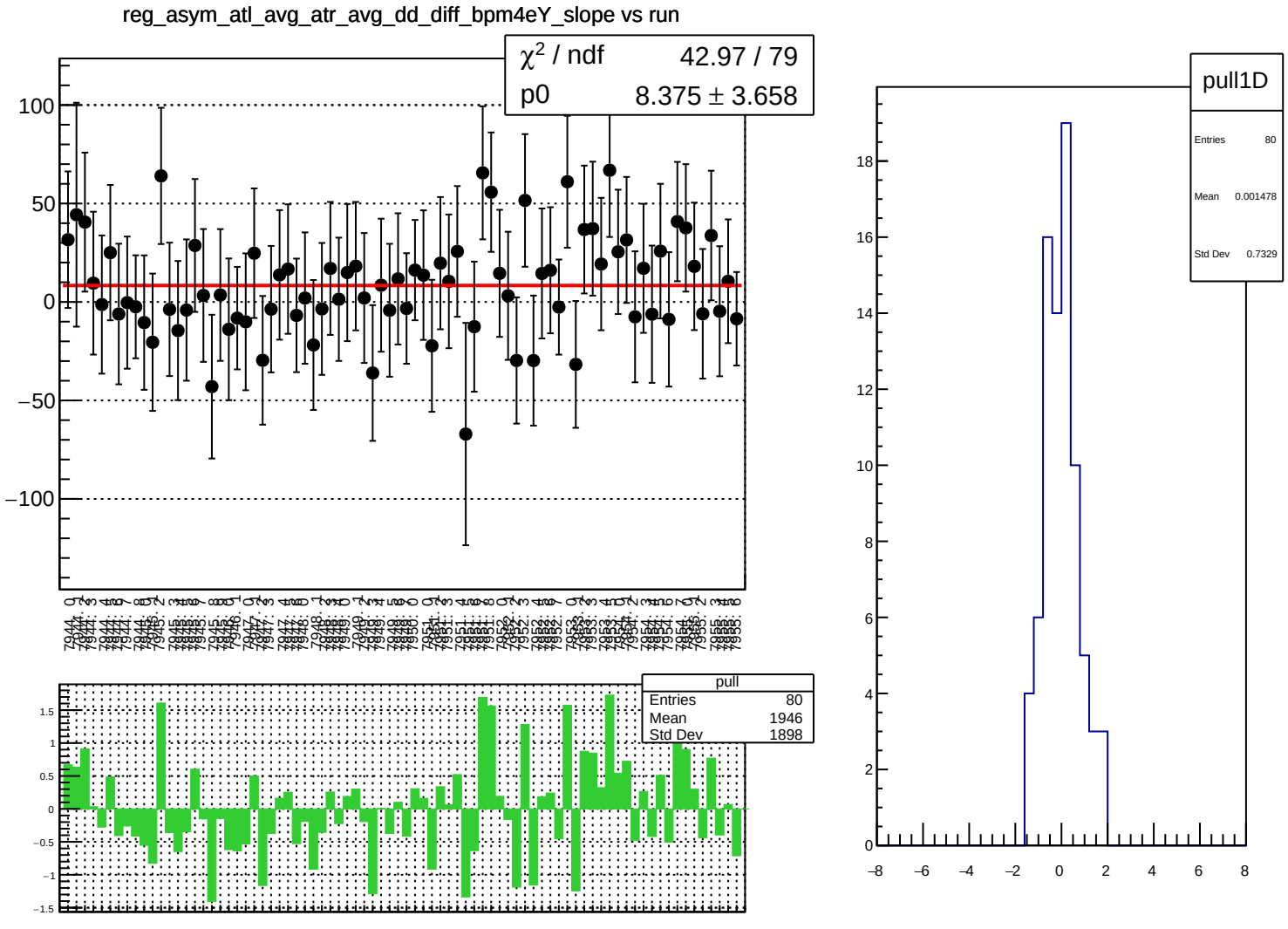

pull1D
Entries 80
Mean 0.03259
Std Dev 0.5451

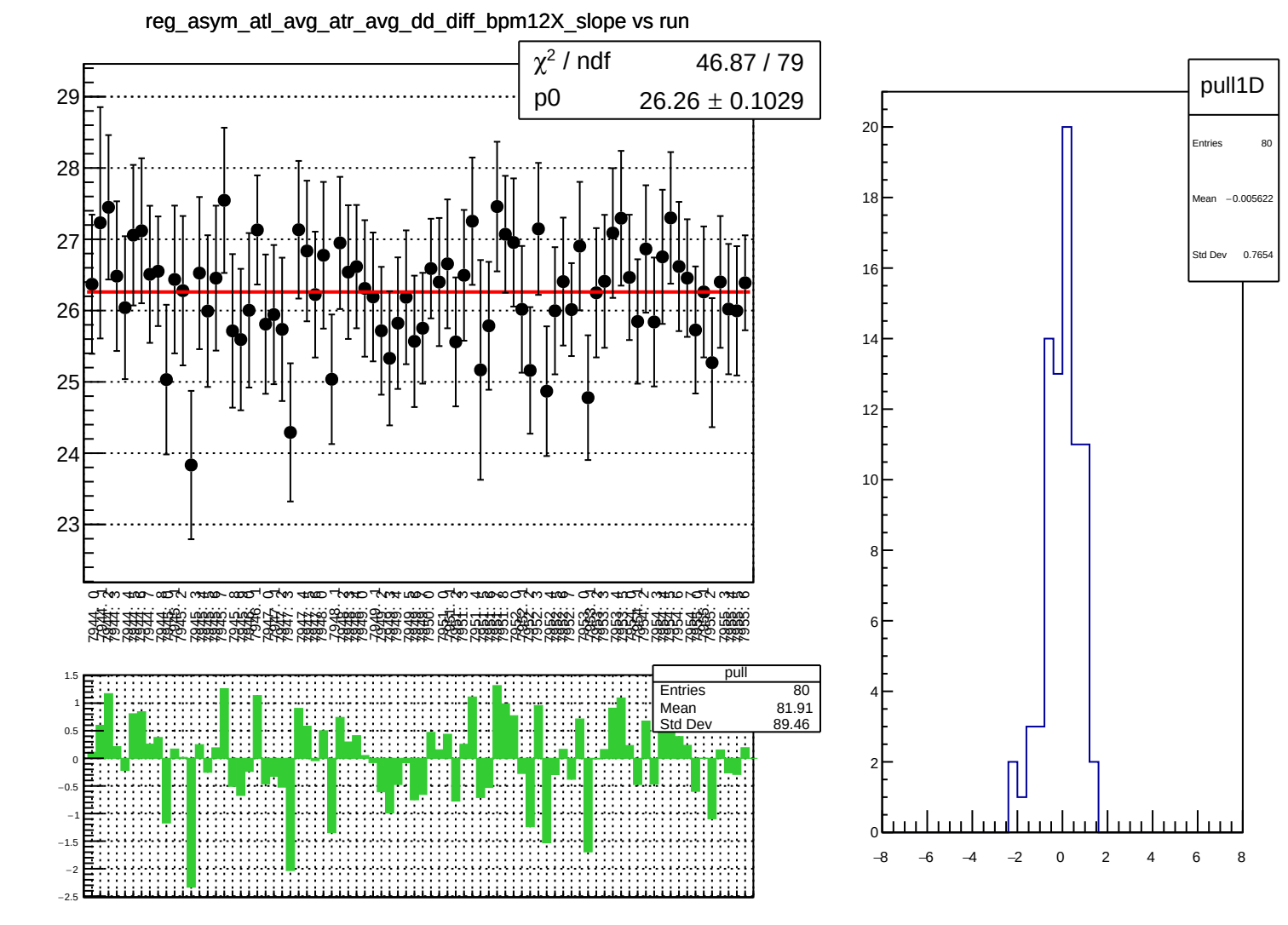

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 45.52 / 79
p0 15.41 ± 3.082
pull
Entries 80
Mean −104.7
Std Dev 148.7

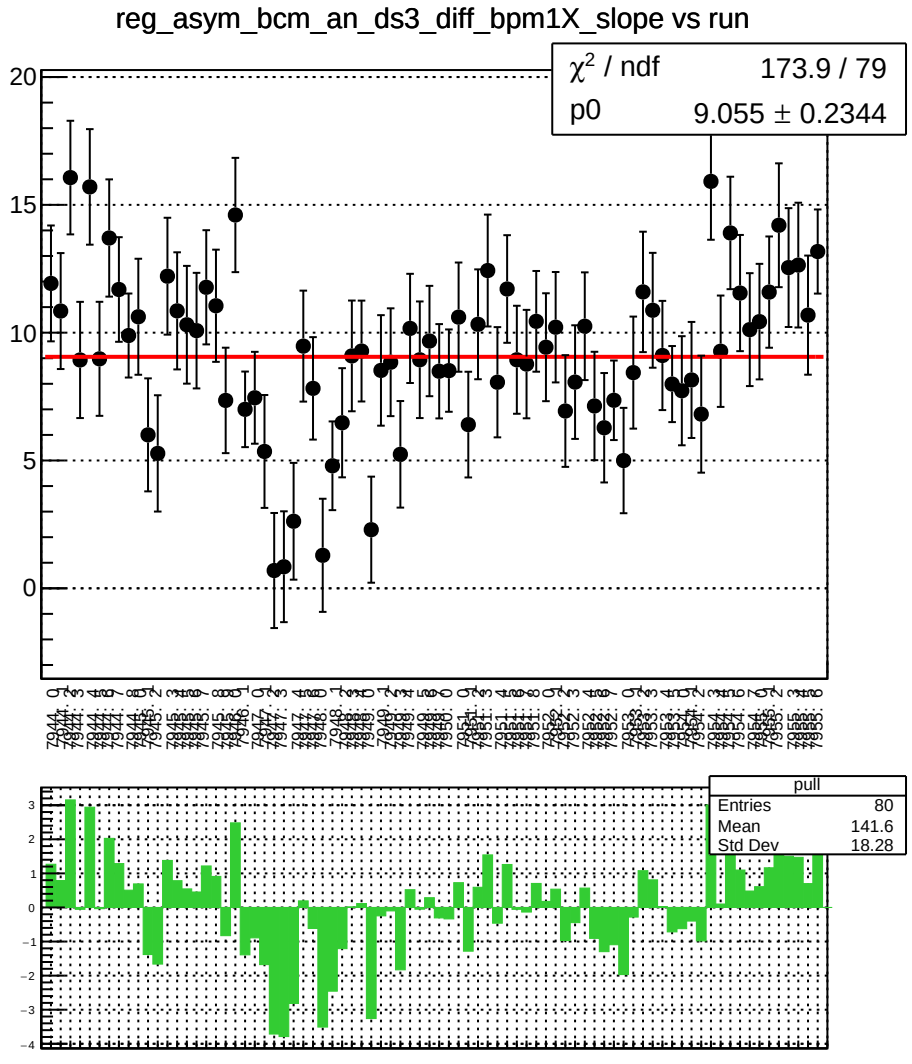

pull1D
Entries 80
Mean −0.01584
Std Dev 0.7541

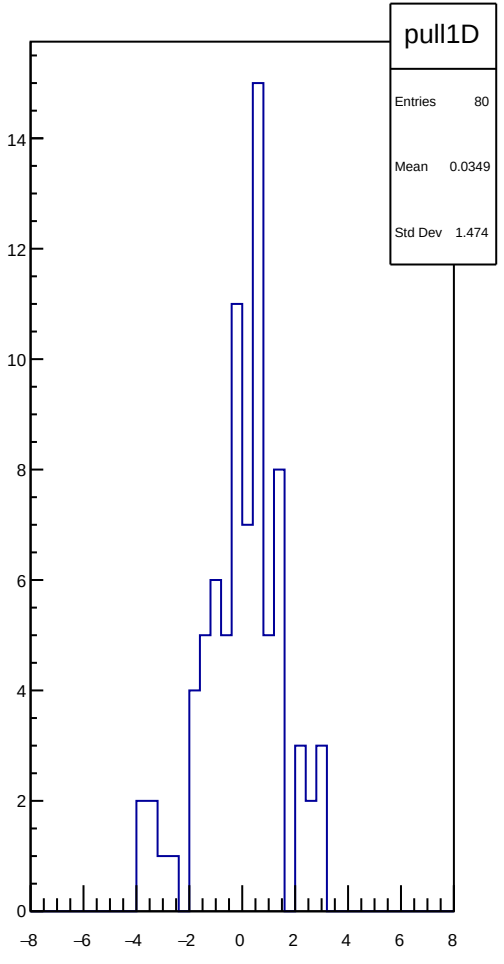

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.8 / 79
p0 −12.87 ± 3.183
100
50
0
−50
−100
pull
Entries 80
Mean 1237
Std Dev 1189
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.002322
Std Dev 0.7228
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

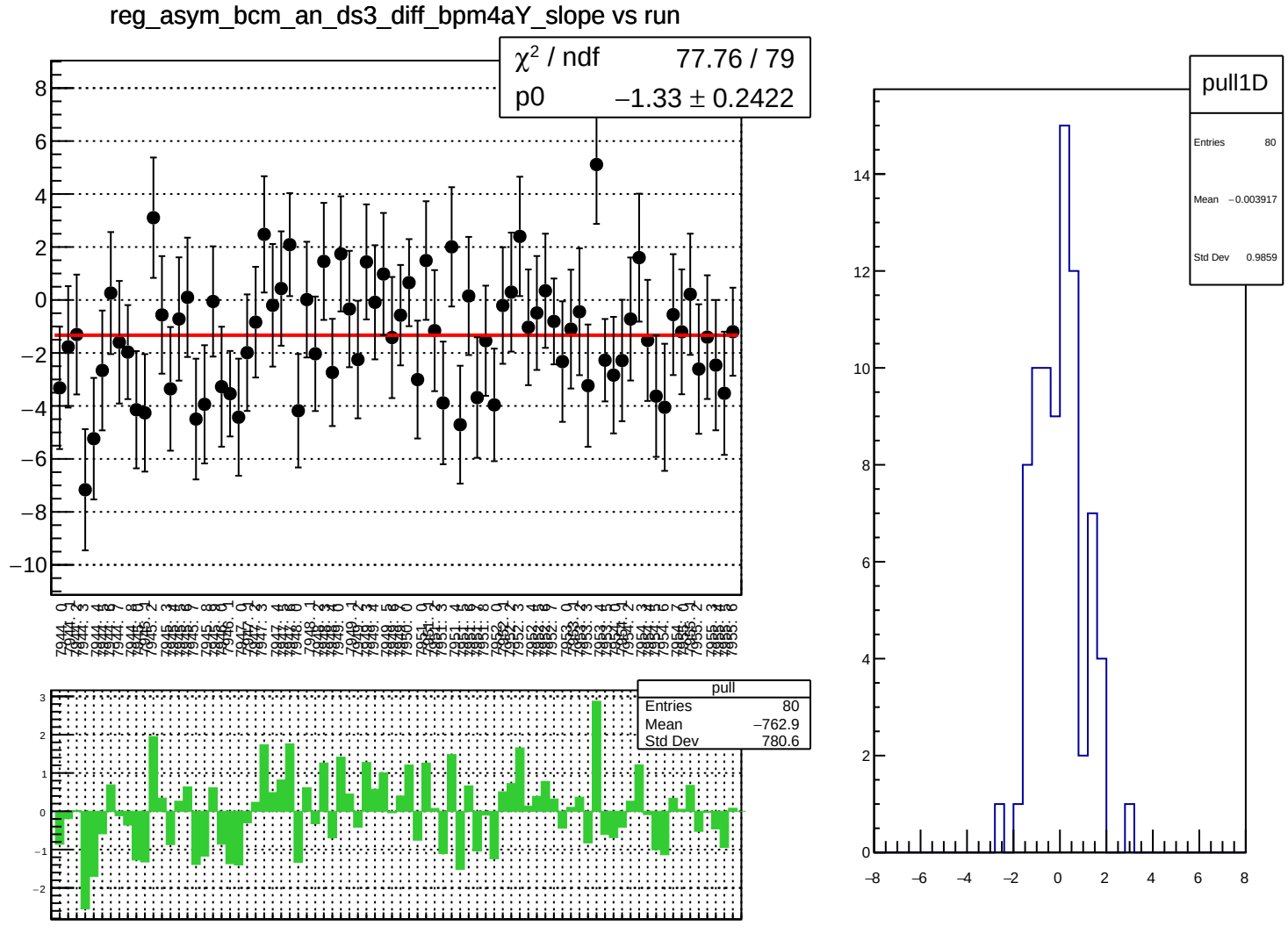

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.06 / 79
p0 −35.5 ± 2.735
pull
Entries 80
Mean −108.6
Std Dev 152.4
pull1D
Entries 80
Mean 0.01491
Std Dev 0.7504

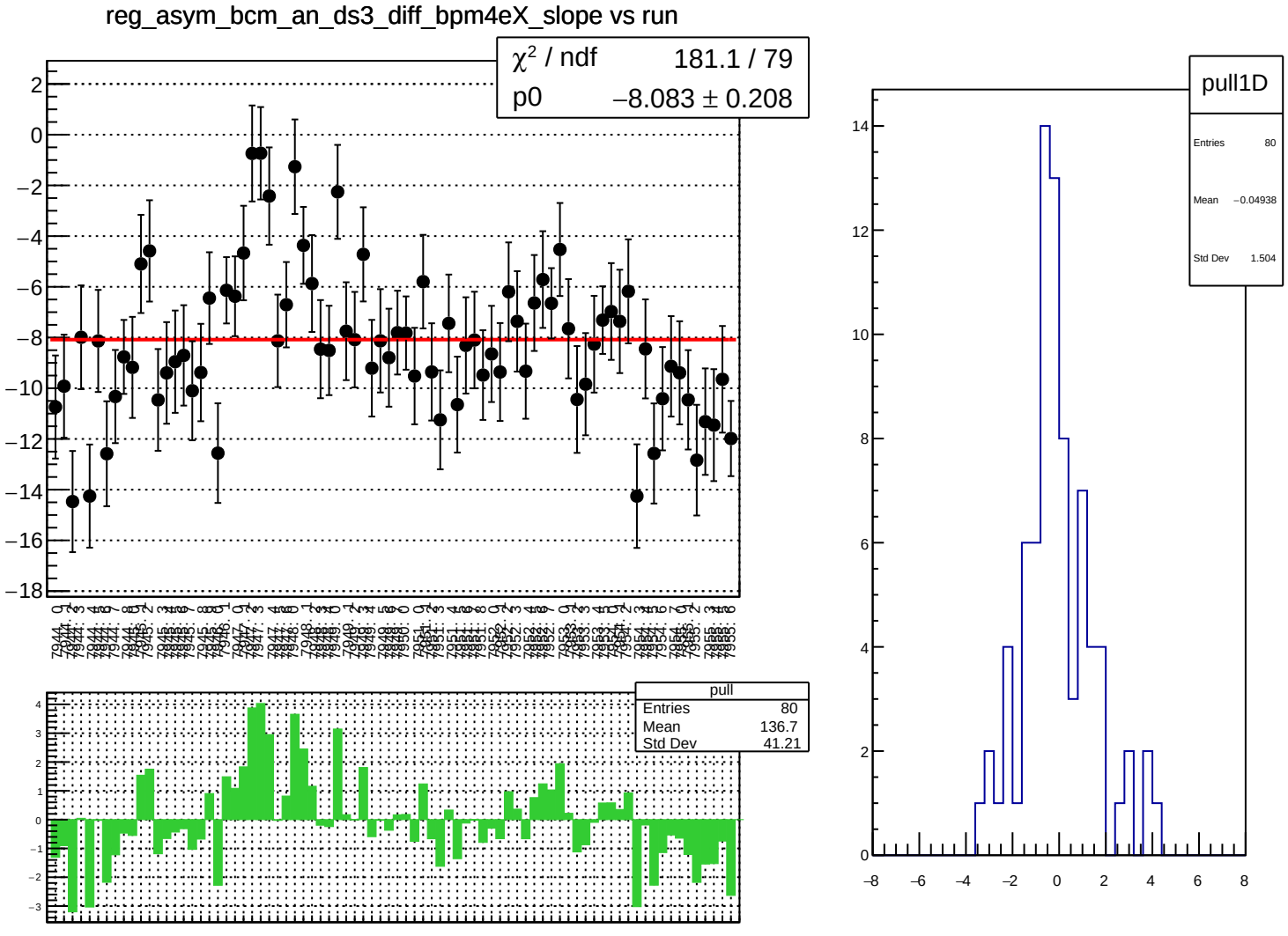

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.97 / 79
p0 8.375 ± 3.658
pull
Entries 80
Mean 1946
Std Dev 1898
pull1D
Entries 80
Mean 0.001478
Std Dev 0.7329

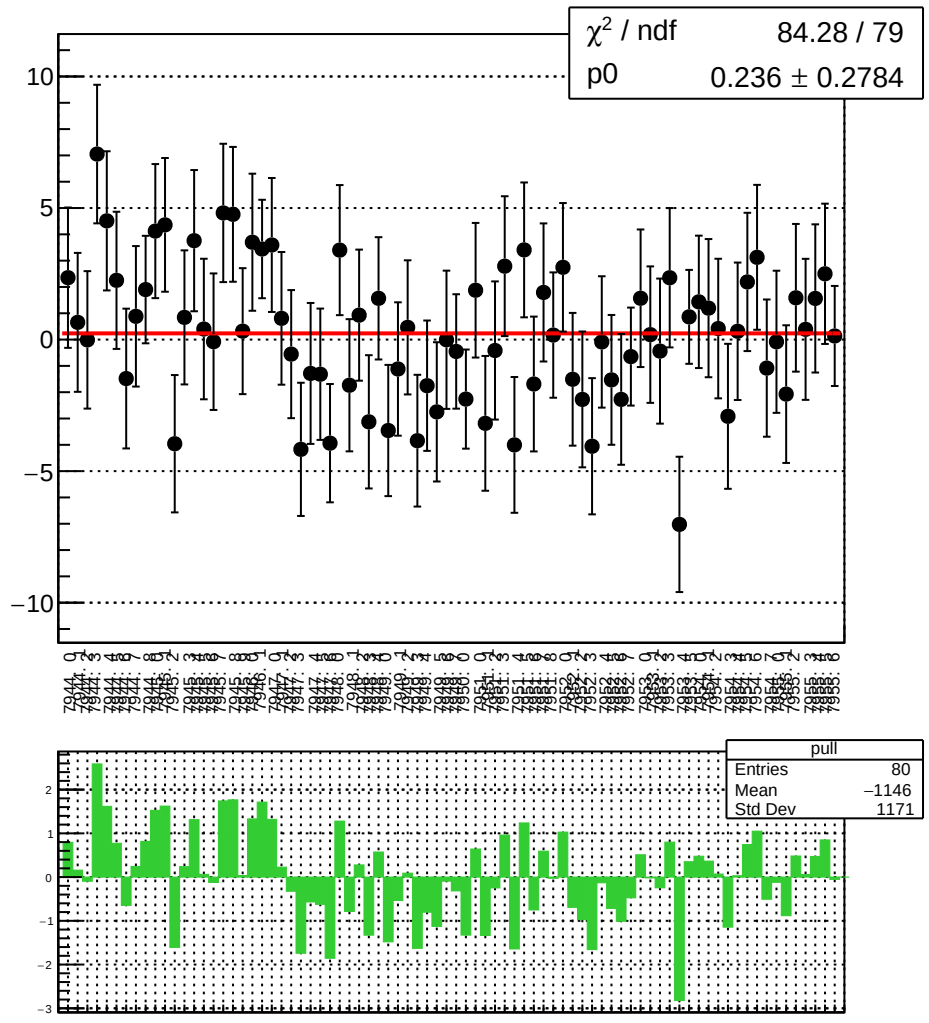

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 46.87 / 79
p0 26.26 ± 0.1029
pull
Entries 80
Mean 81.91
Std Dev 89.46
pull1D
Entries 80
Mean −0.005622
Std Dev 0.7654

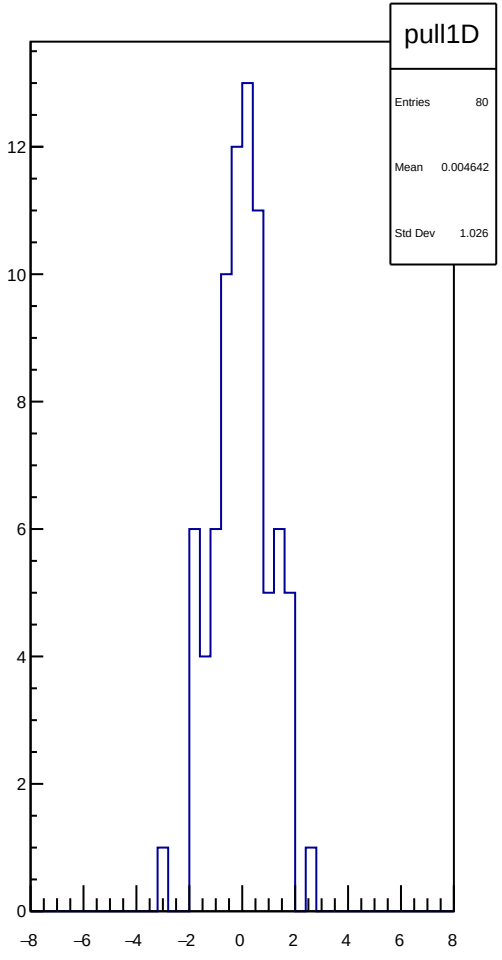

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 173.9 / 79
p0 9.055 ± 0.2344
pull
Entries 80
Mean 141.6
Std Dev 18.28

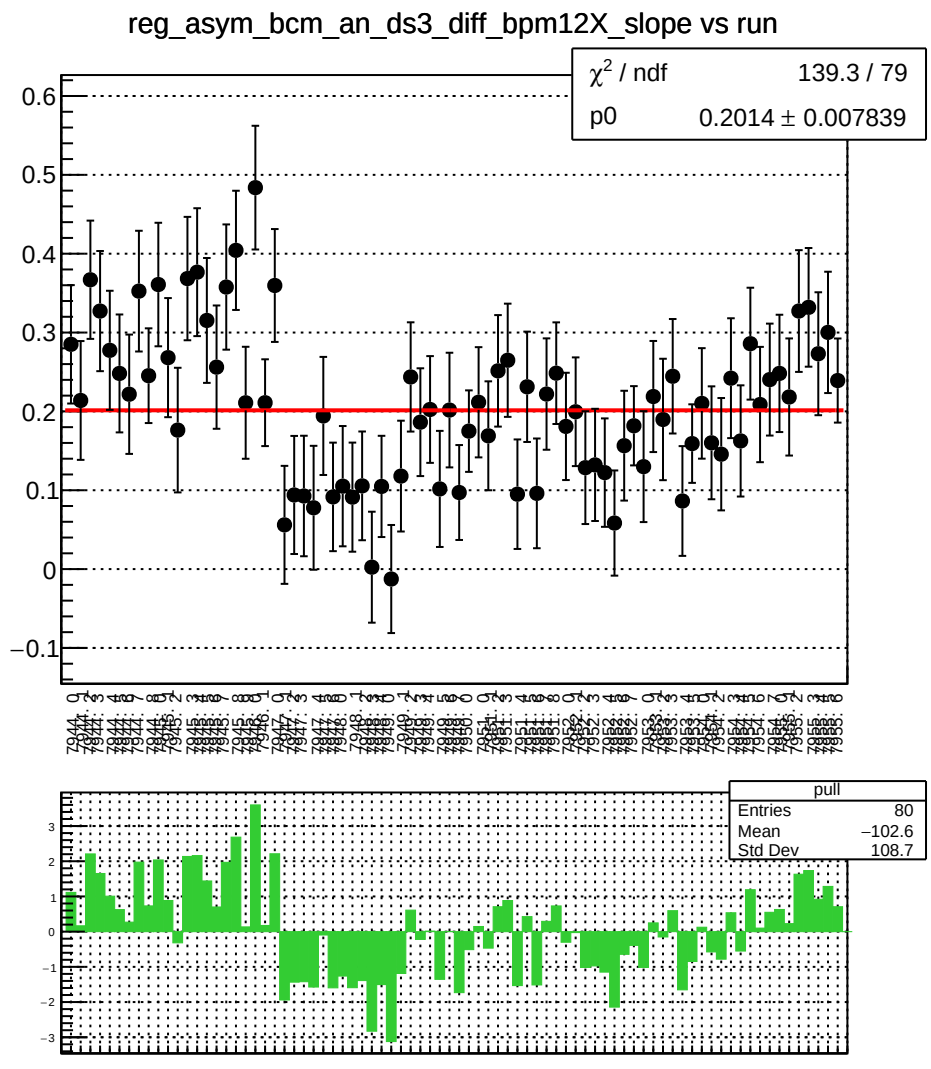

pull1D
Entries 80
Mean 0.0349
Std Dev 1.474

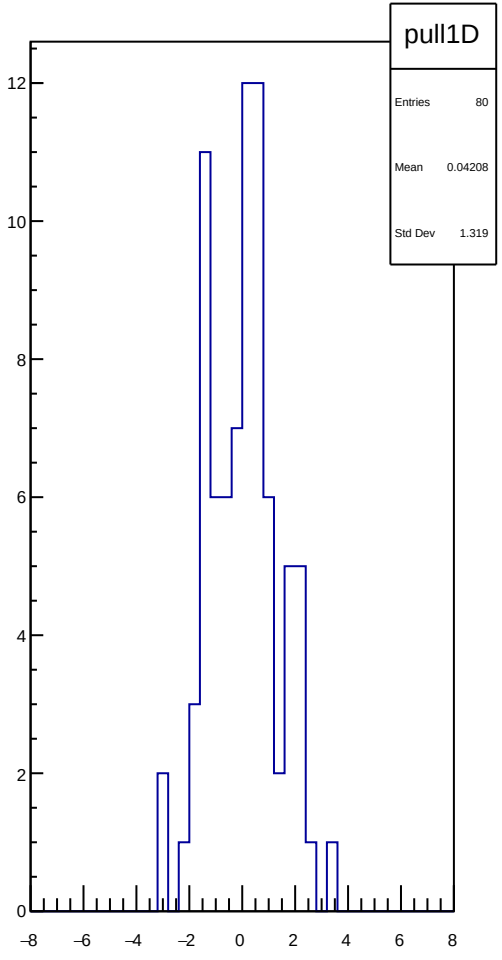

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 77.76 / 79
p0 −1.33 ± 0.2422
pull
Entries 80
Mean −762.9
Std Dev 780.6
pull1D
Entries 80
Mean −0.003917
Std Dev 0.9859

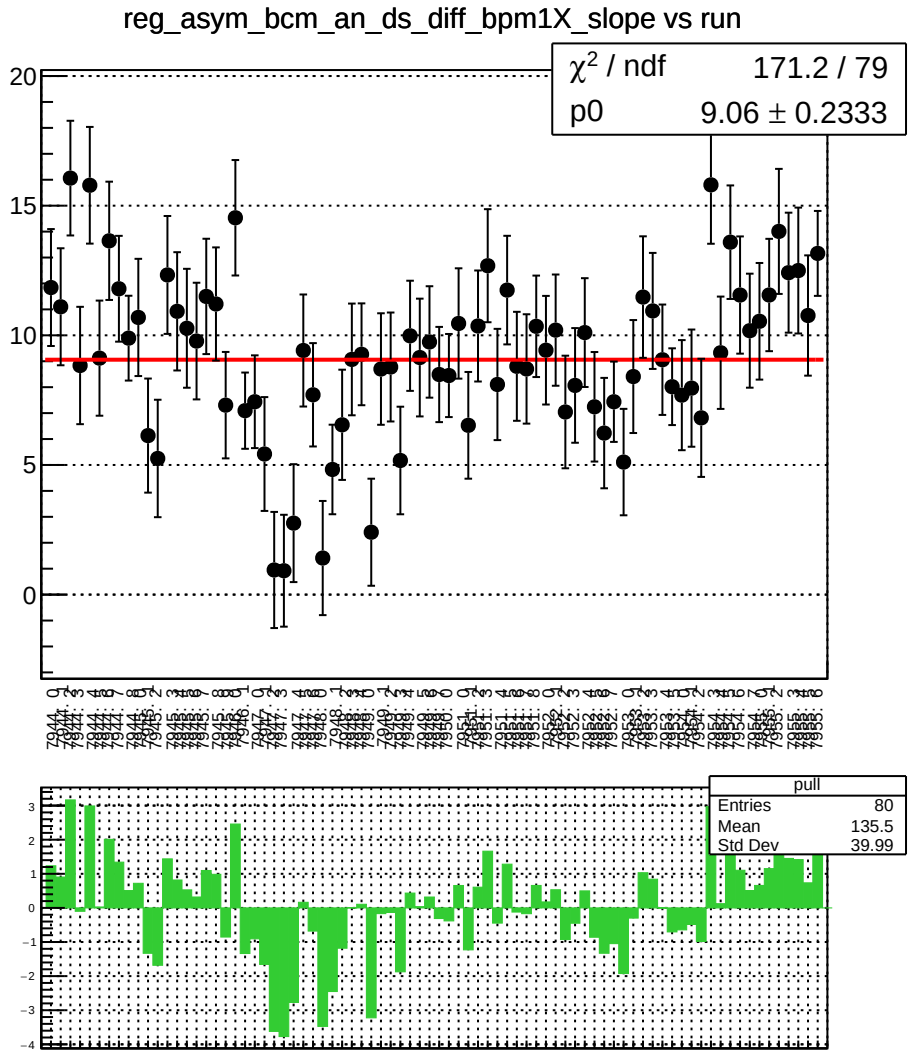

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 181.1 / 79
p0 −8.083 ± 0.208
pull
Entries 80
Mean 136.7
Std Dev 41.21
pull1D
Entries 80
Mean −0.04938
Std Dev 1.504

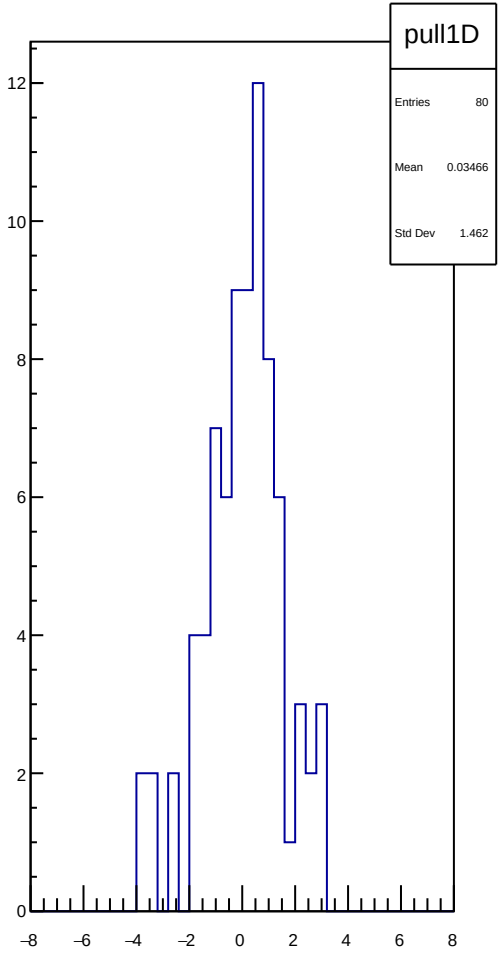

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 84.28 / 79
p0 0.236 ± 0.2784
pull
Entries 80
Mean −1146
Std Dev 1171

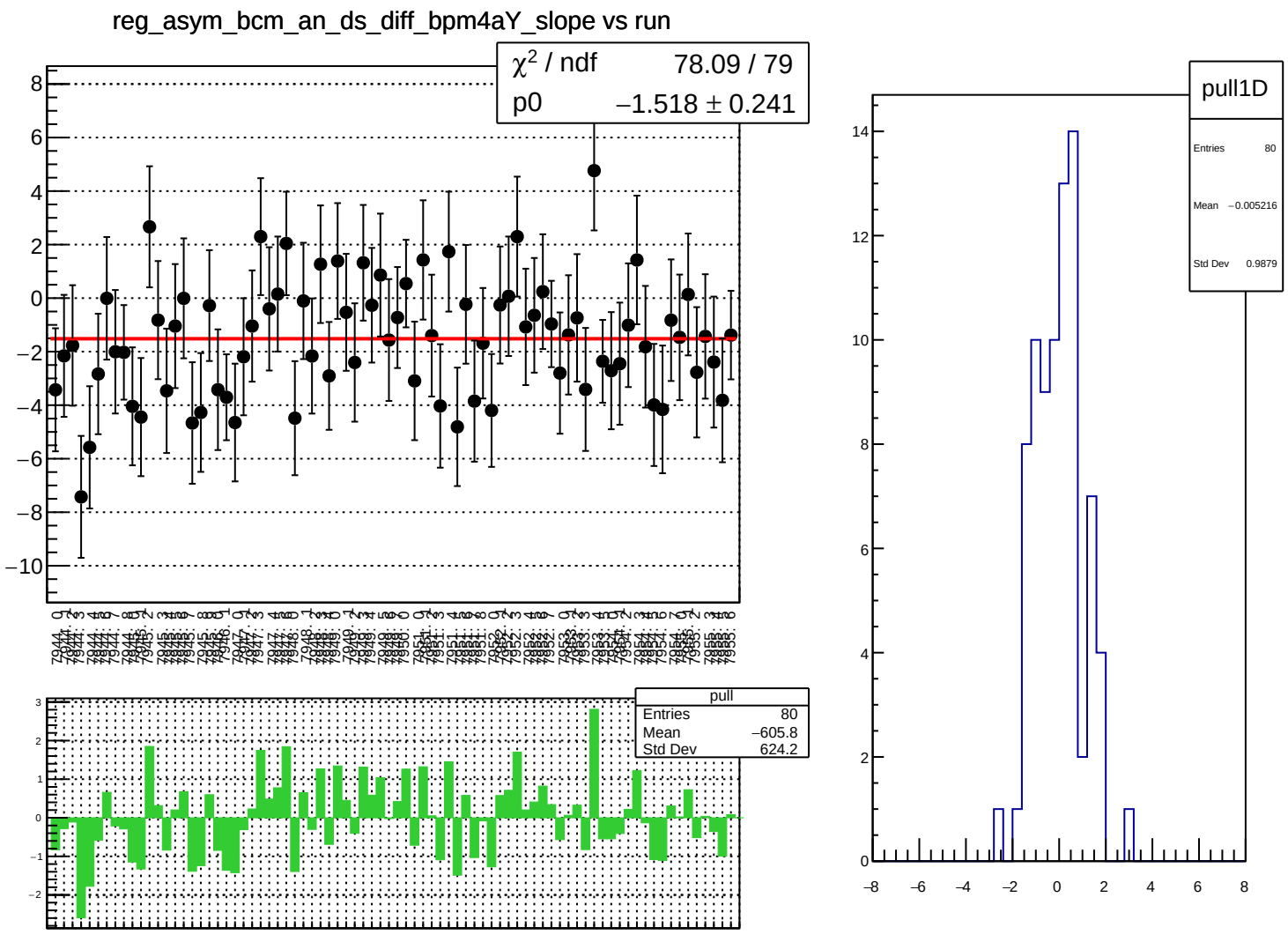

pull1D
Entries 80
Mean 0.004642
Std Dev 1.026

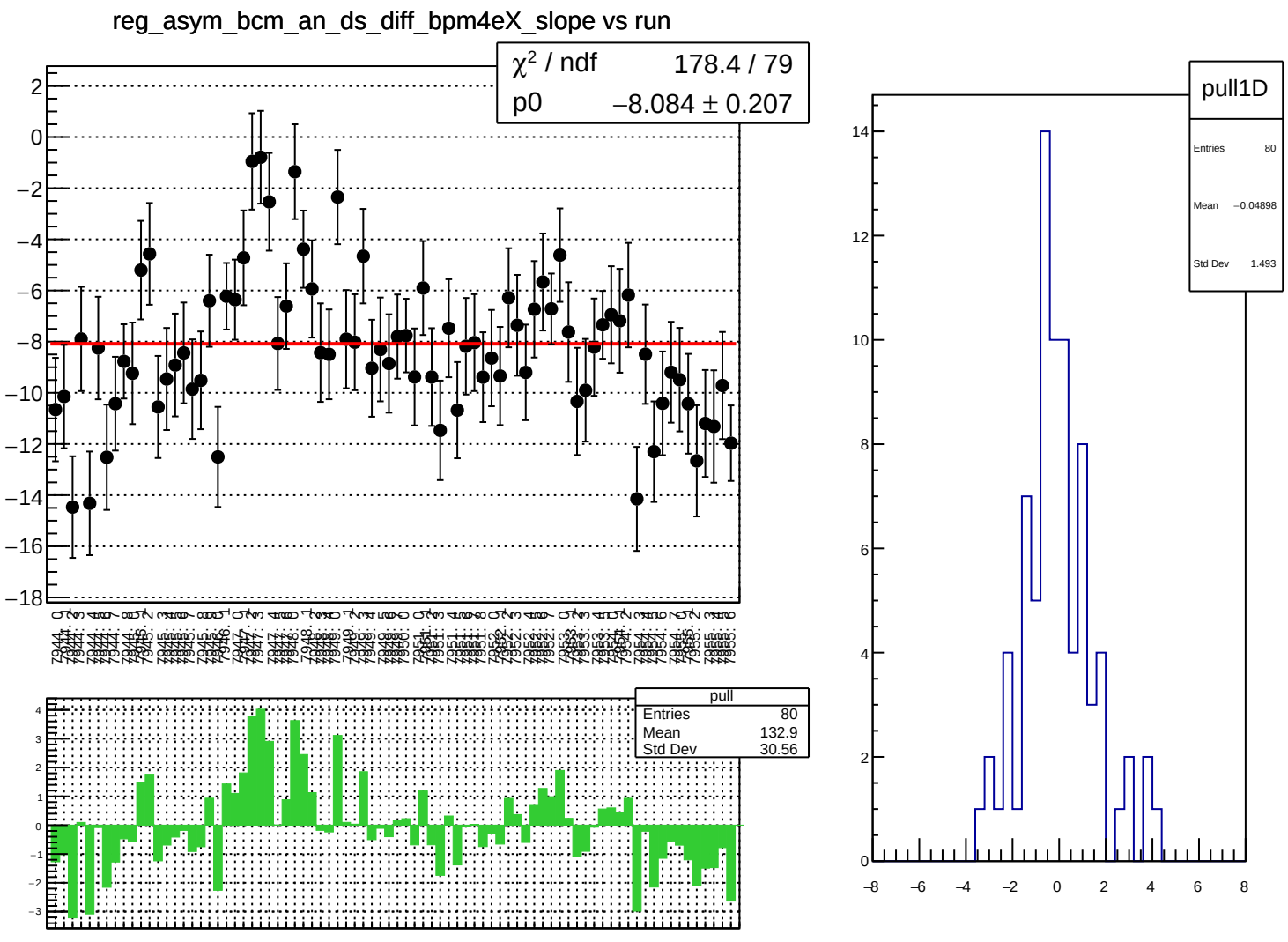

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 139.3 / 79
p0 0.2014 ± 0.007839
pull
Entries 80
Mean −102.6
Std Dev 108.7

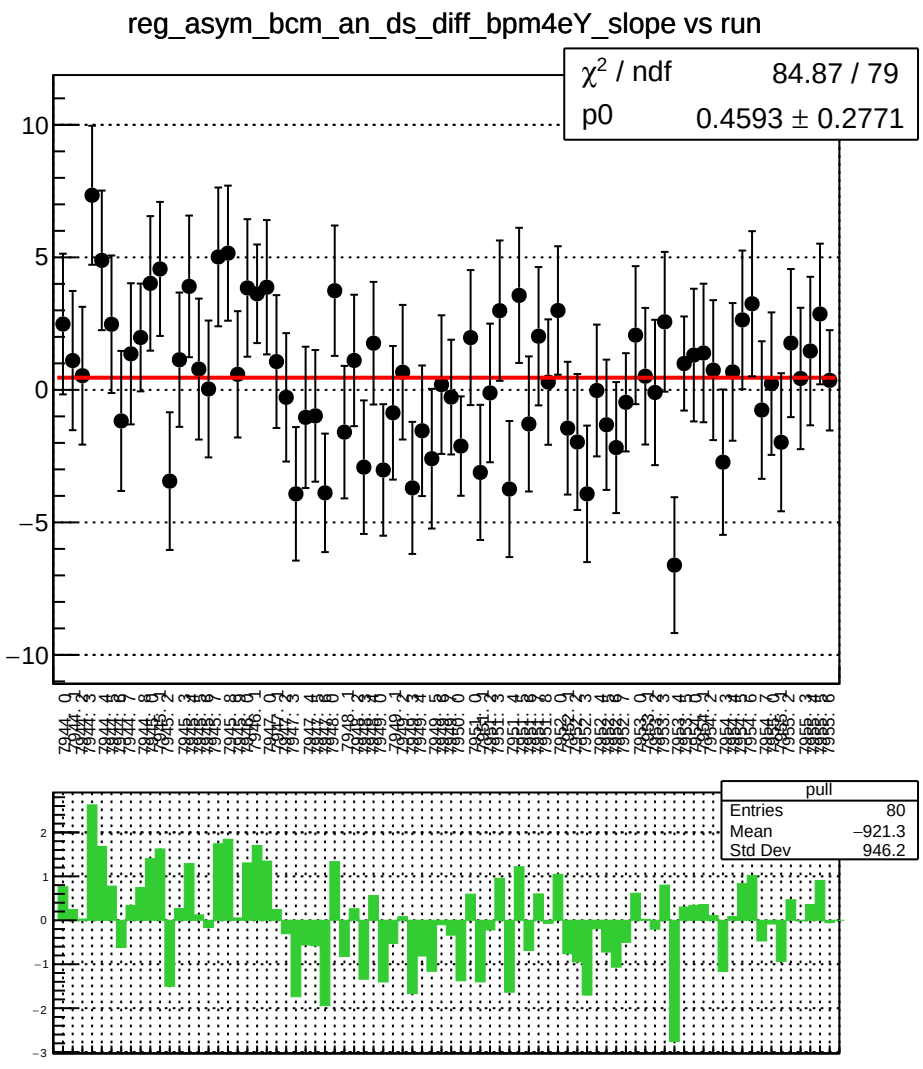

pull1D
Entries 80
Mean 0.04208
Std Dev 1.319

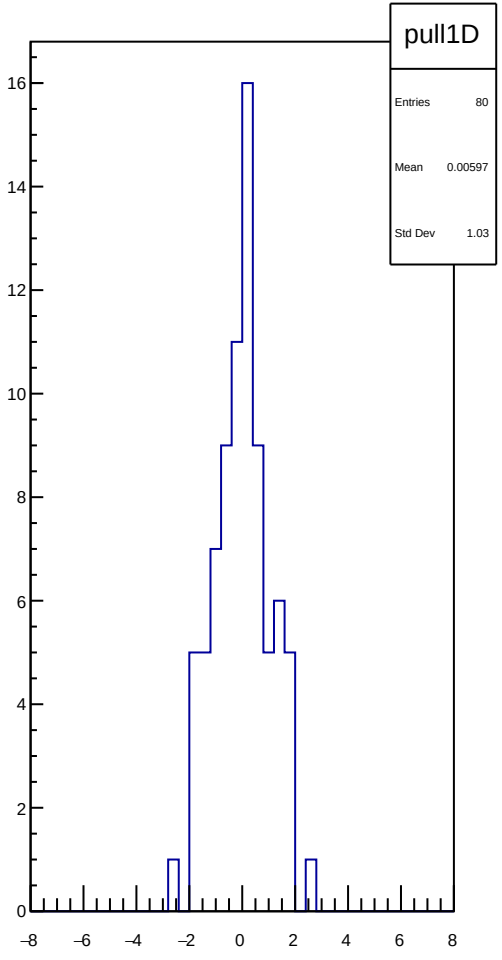

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 171.2 / 79
p0 9.06 ± 0.2333
pull
Entries 80
Mean 135.5
Std Dev 39.99

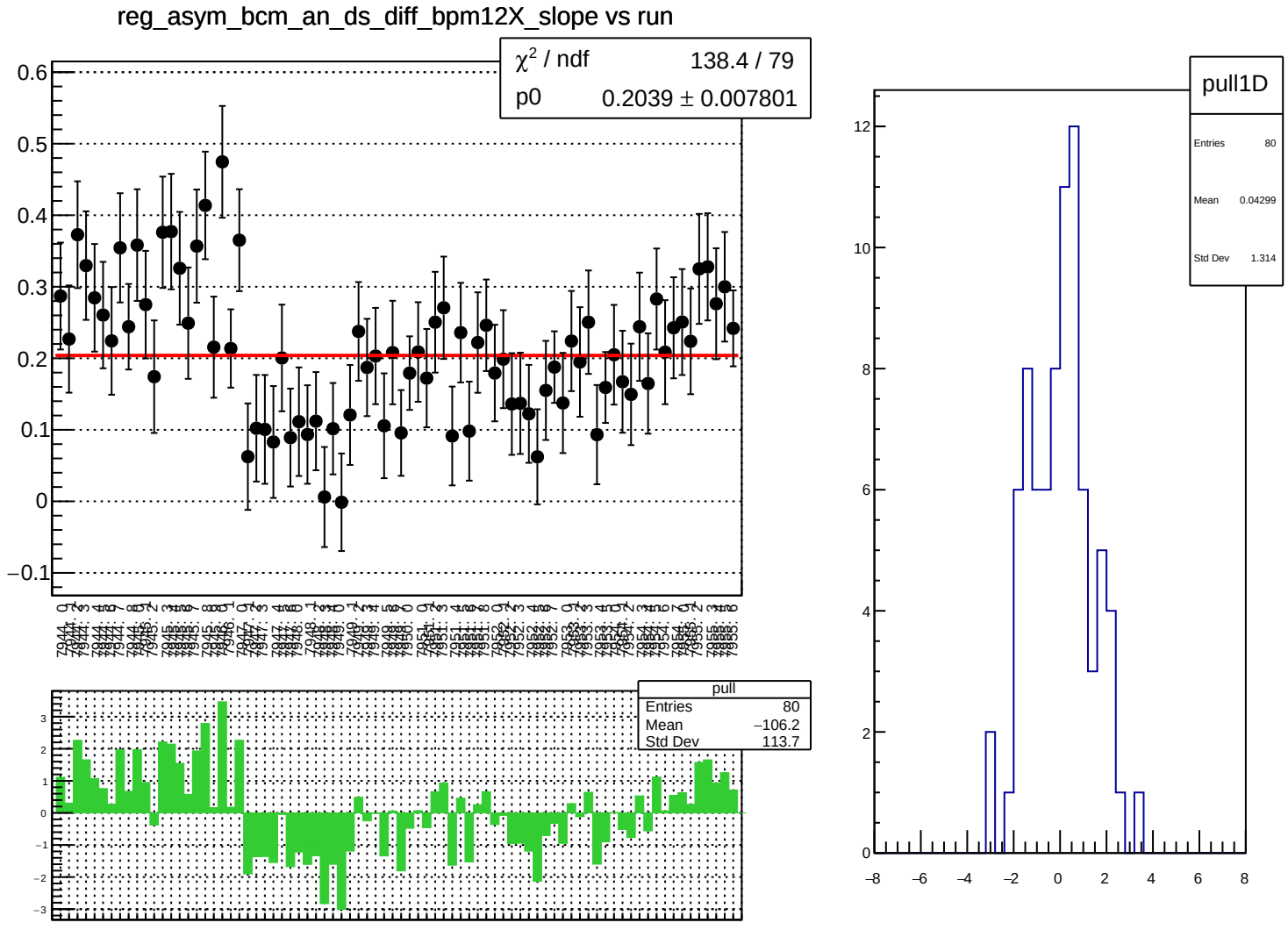

pull1D
Entries 80
Mean 0.03466
Std Dev 1.462

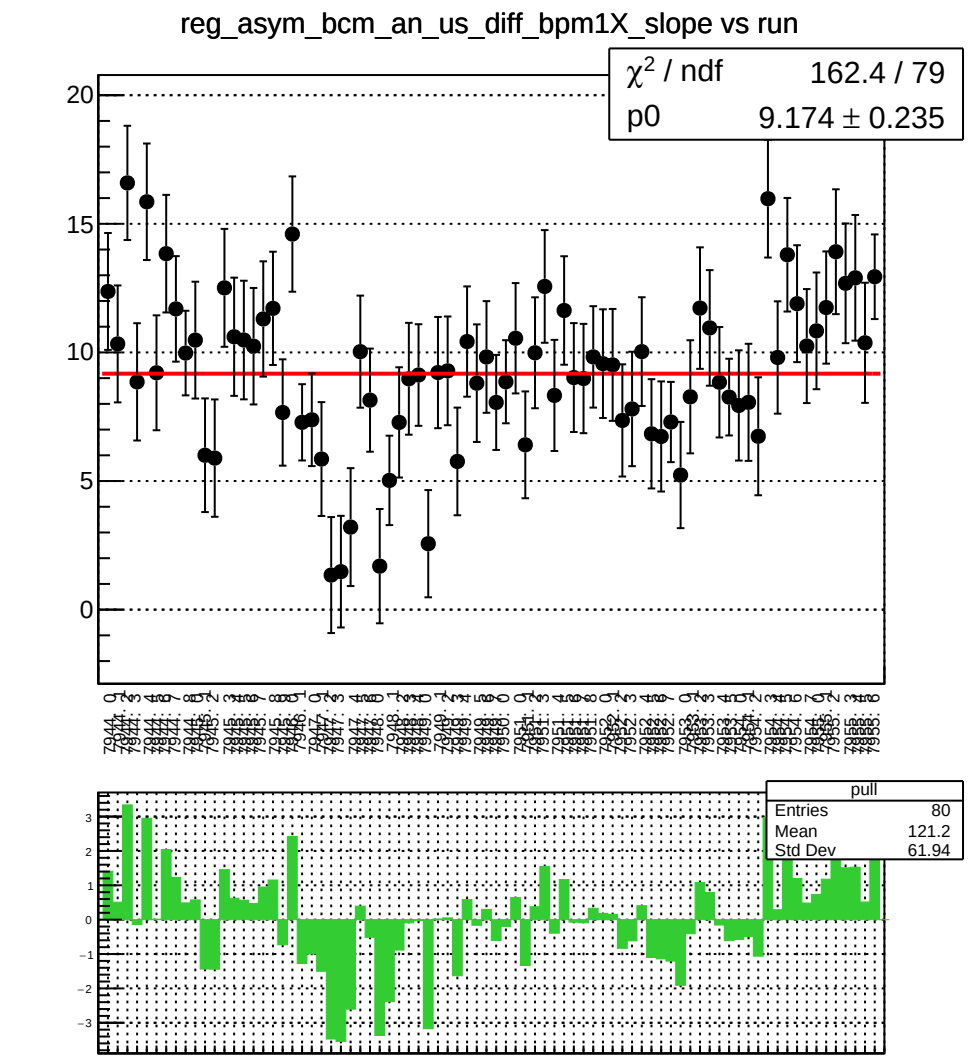

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 78.09 / 79
p0 −1.518 ± 0.241
pull
Entries 80
Mean −605.8
Std Dev 624.2
pull1D
Entries 80
Mean −0.005216
Std Dev 0.9879

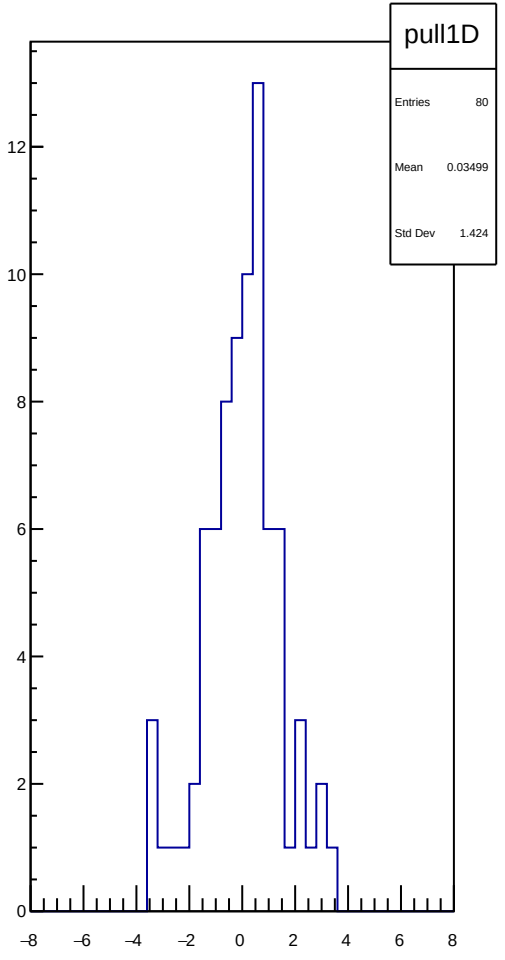

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 178.4 / 79
p0 −8.084 ± 0.207
pull
Entries 80
Mean 132.9
Std Dev 30.56
pull1D
Entries 80
Mean −0.04898
Std Dev 1.493

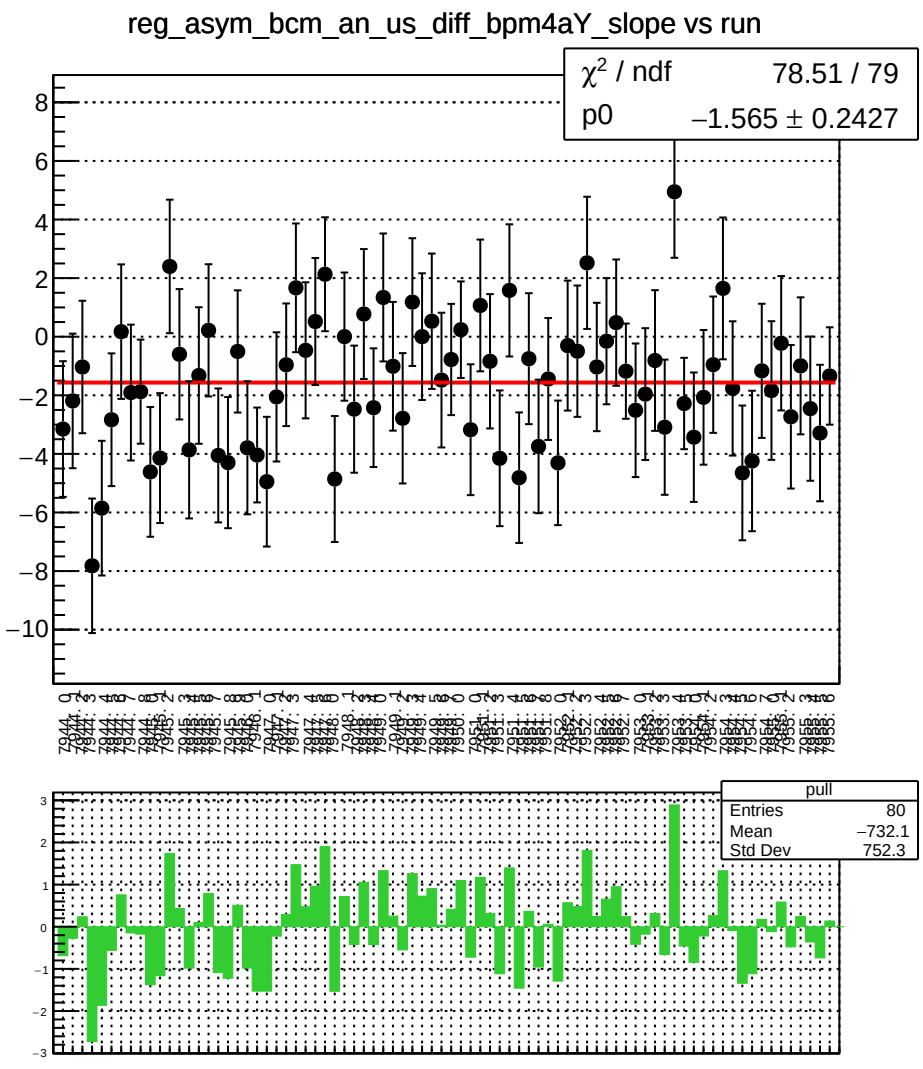

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 84.87 / 79
p0 0.4593 ± 0.2771
pull
Entries 80
Mean −921.3
Std Dev 946.2

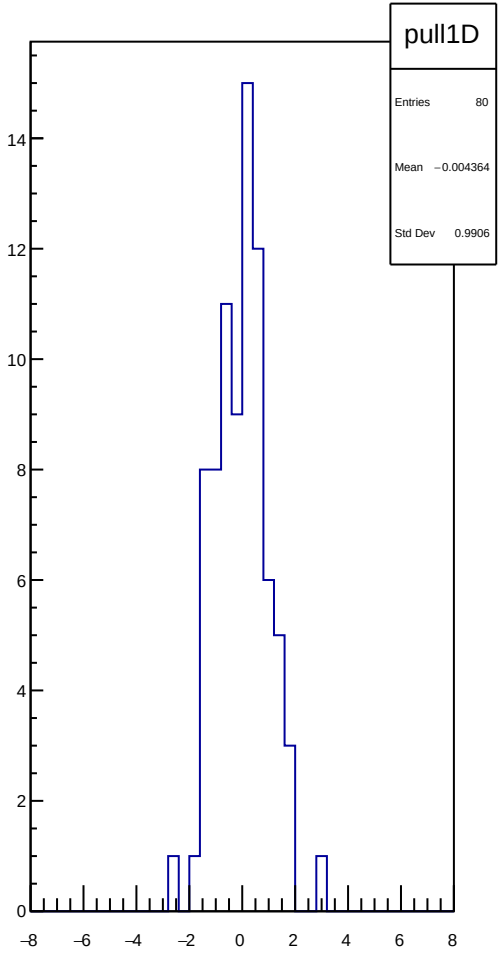

pull1D
Entries 80
Mean 0.00597
Std Dev 1.03

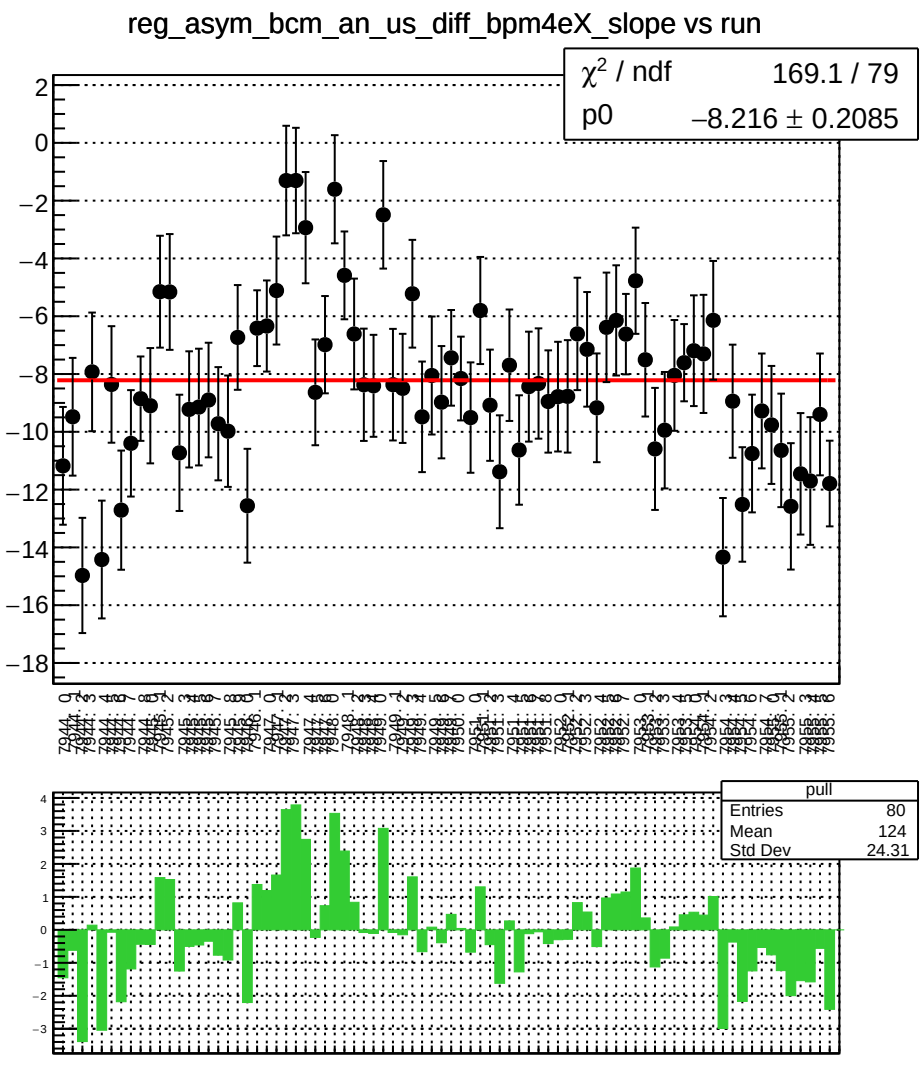

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 138.4 / 79
p0 0.2039 ± 0.007801
pull
Entries 80
Mean −106.2
Std Dev 113.7
pull1D
Entries 80
Mean 0.04299
Std Dev 1.314

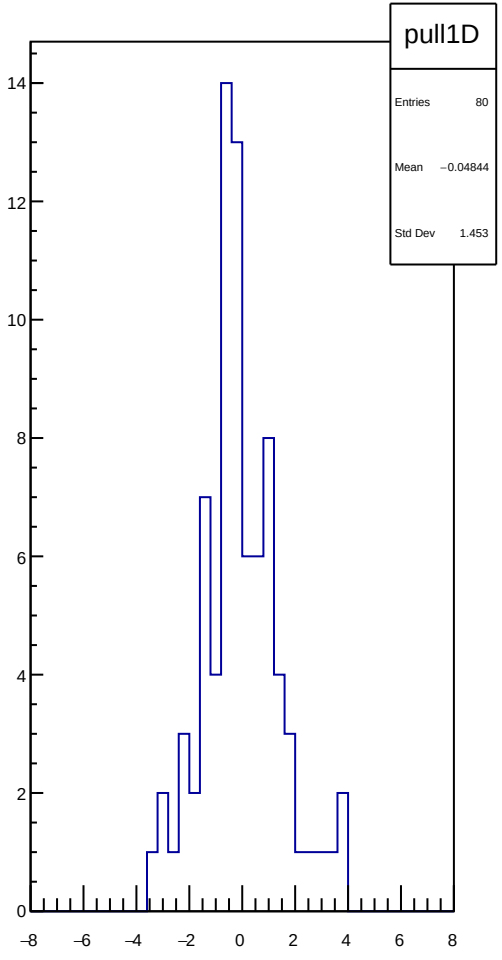

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 162.4 / 79
p0 9.174 ± 0.235
pull
Entries 80
Mean 121.2
Std Dev 61.94

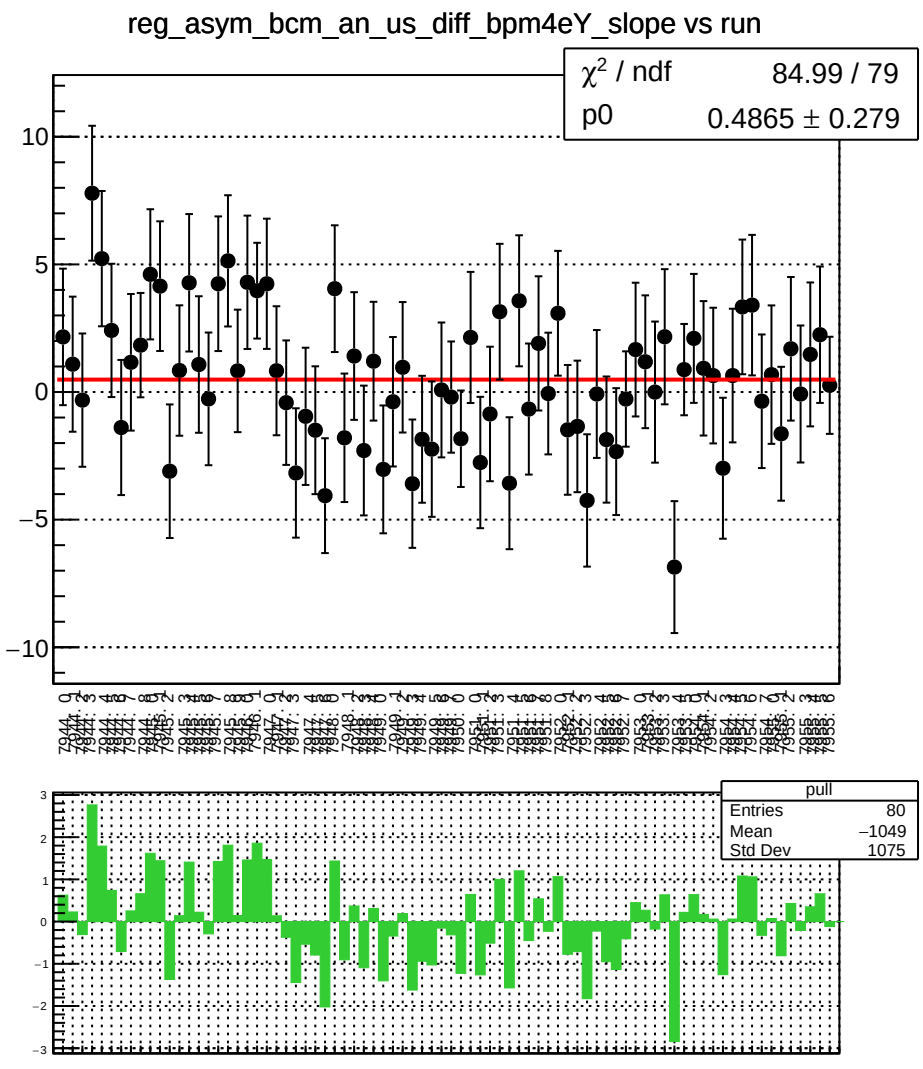

pull1D
Entries 80
Mean 0.03499
Std Dev 1.424

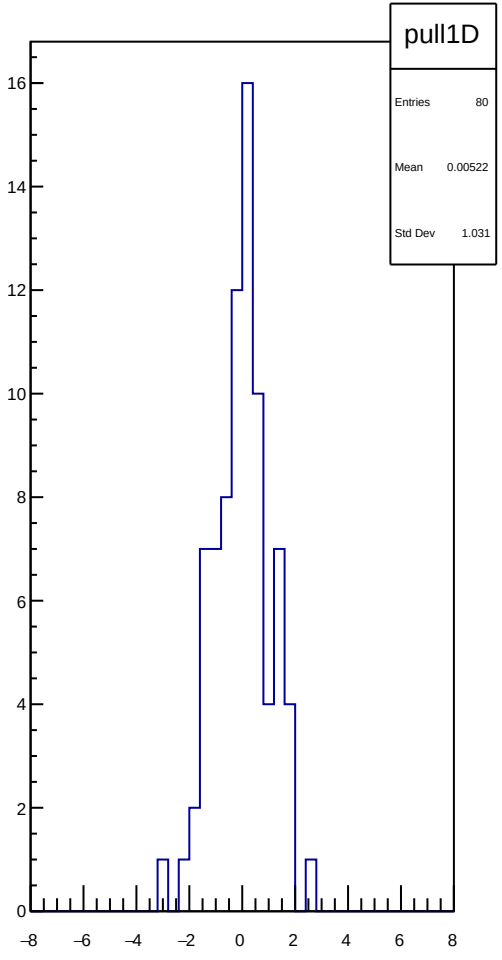

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 78.51 / 79
p0 −1.565 ± 0.2427
pull
Entries 80
Mean −732.1
Std Dev 752.3

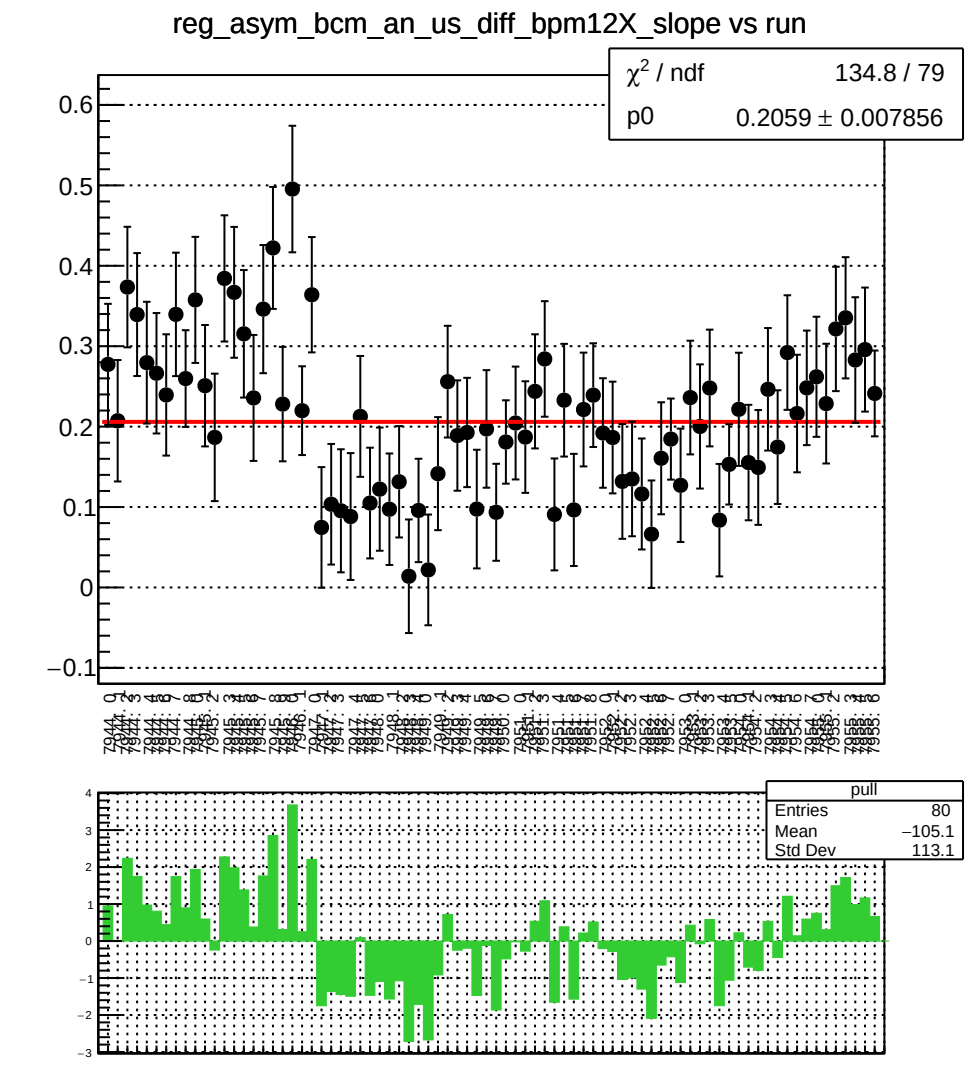

pull1D
Entries 80
Mean −0.004364
Std Dev 0.9906

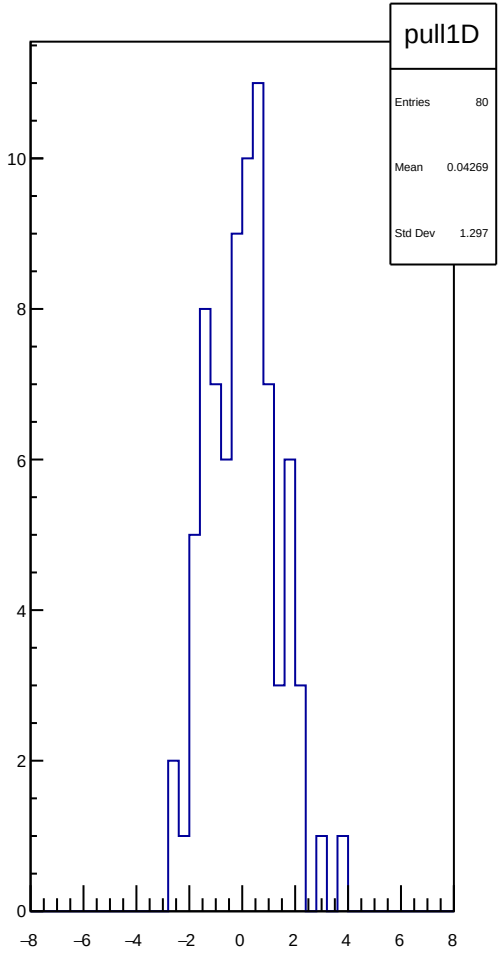

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 169.1 / 79
p0 −8.216 ± 0.2085
pull
Entries 80
Mean 124
Std Dev 24.31

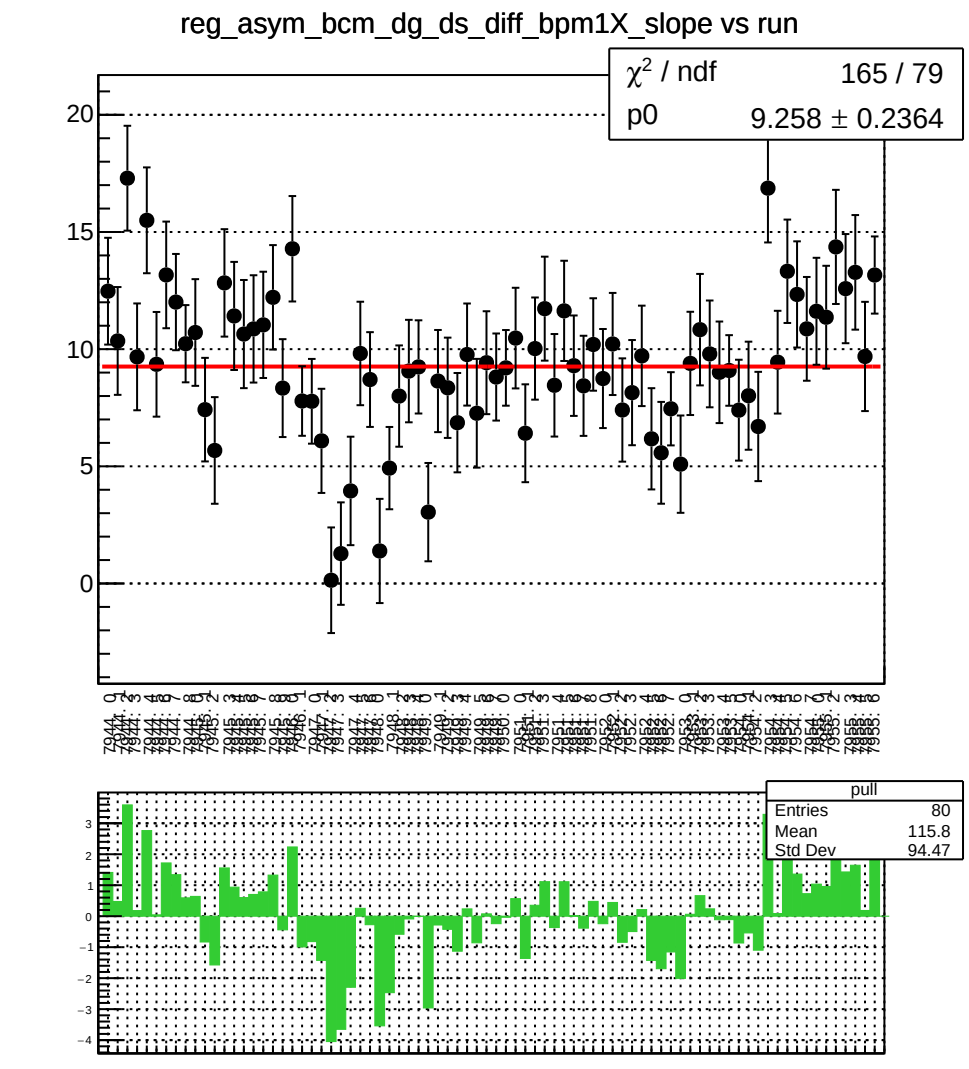

pull1D
Entries 80
Mean −0.04844
Std Dev 1.453

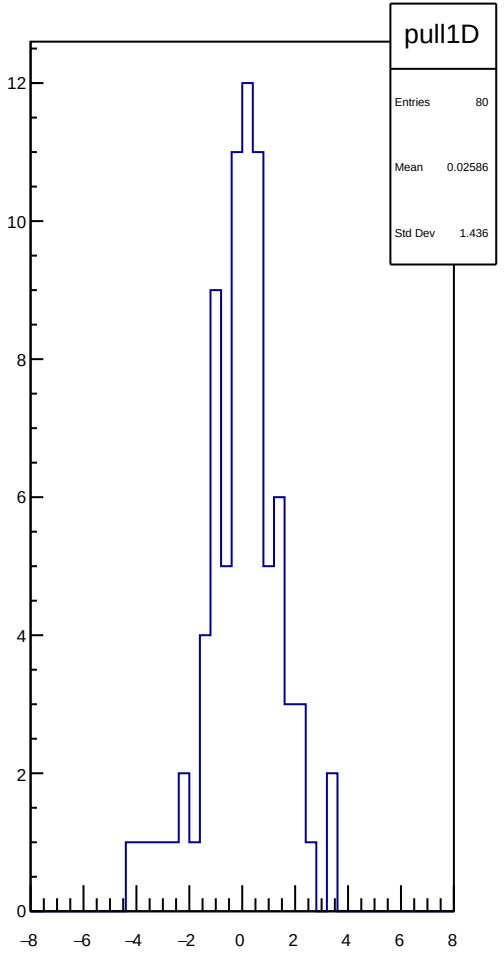

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 84.99 / 79
p0 0.4865 ± 0.279
pull
Entries 80
Mean −1049
Std Dev 1075

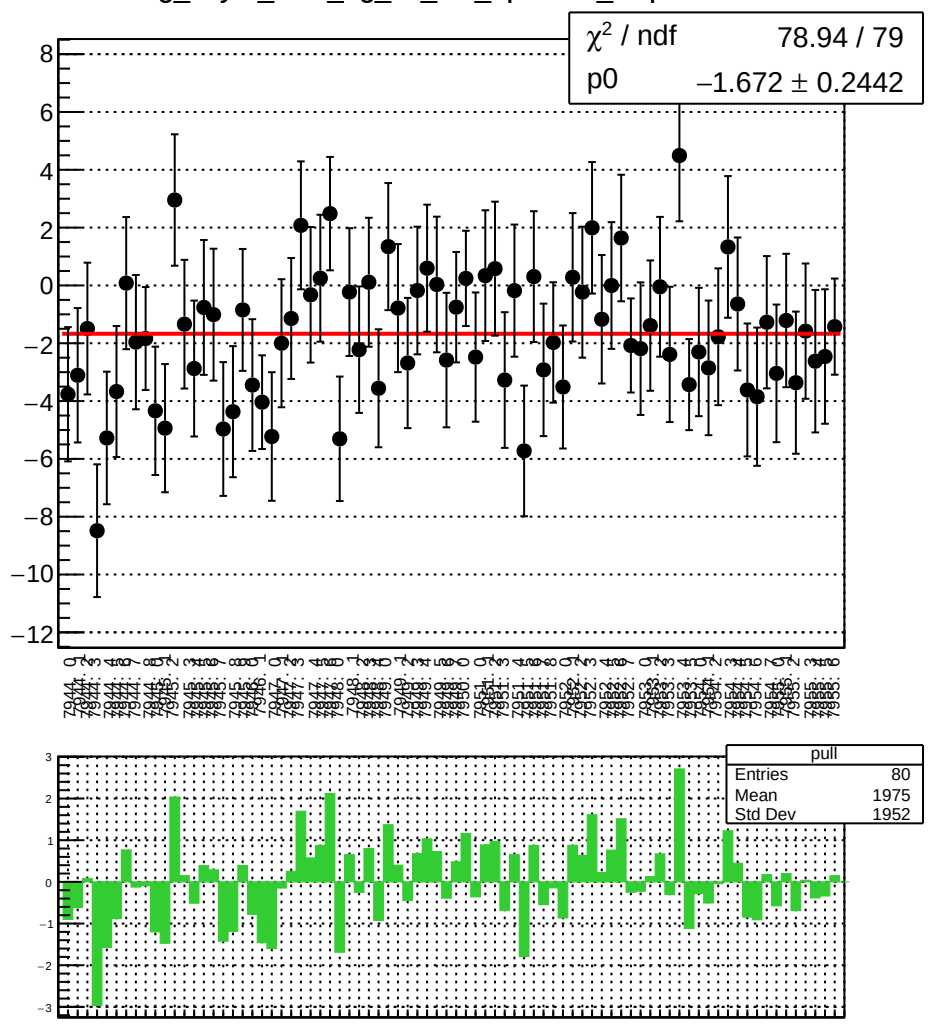

pull1D
Entries 80
Mean 0.00522
Std Dev 1.031

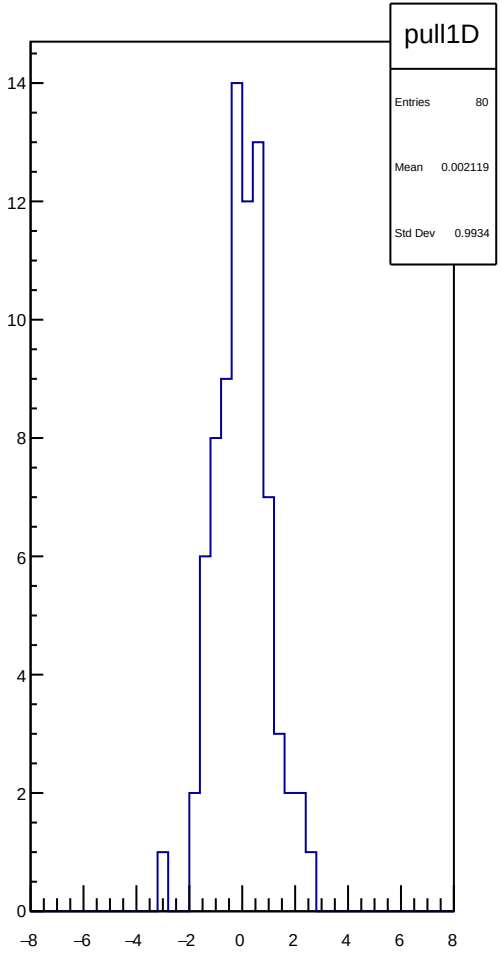

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 134.8 / 79
p0 0.2059 ± 0.007856
pull
Entries 80
Mean −105.1
Std Dev 113.1

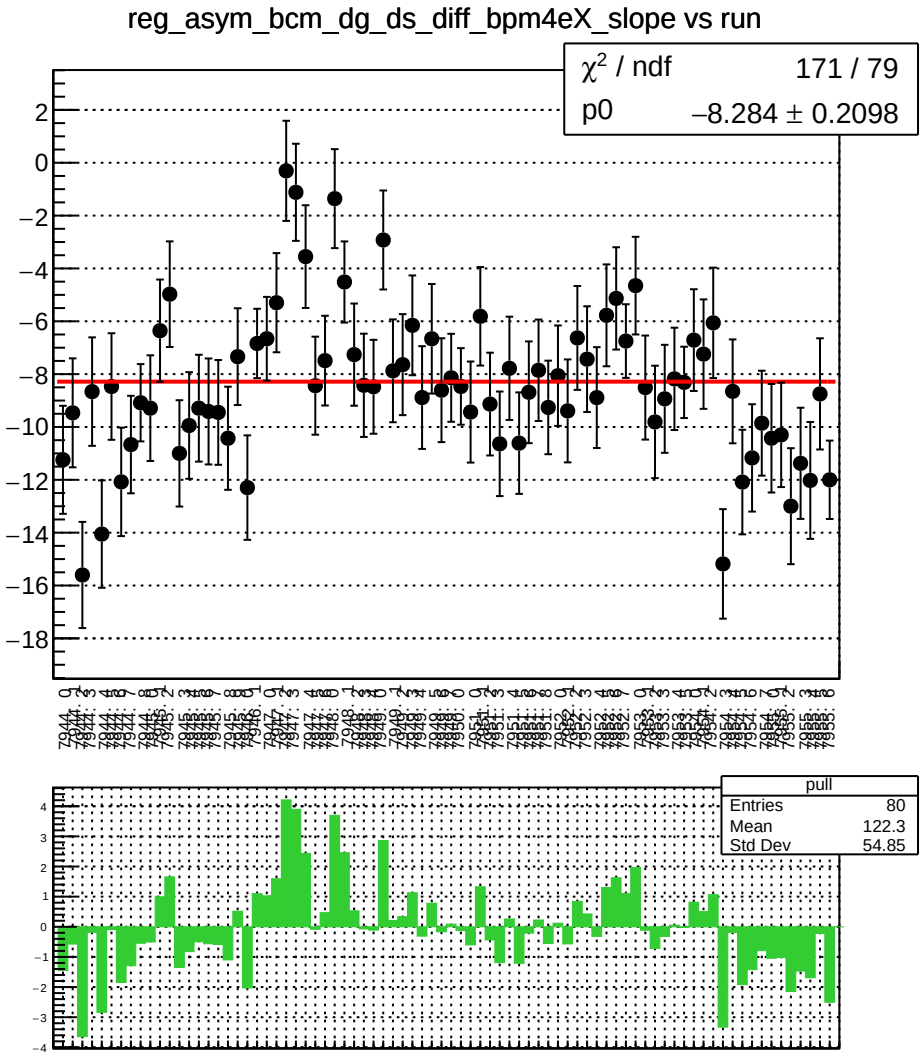

pull1D
Entries 80
Mean 0.04269
Std Dev 1.297

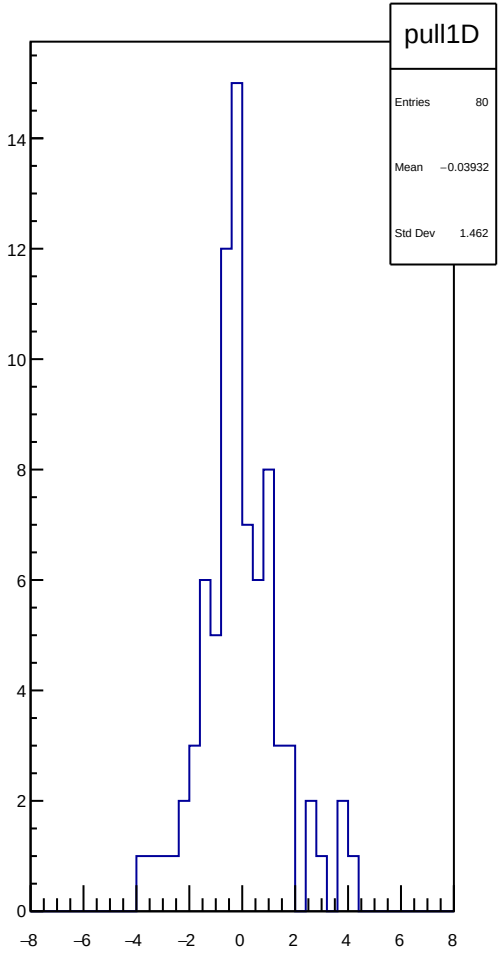

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 165 / 79
p0 9.258 ± 0.2364
pull
Entries 80
Mean 115.8
Std Dev 94.47

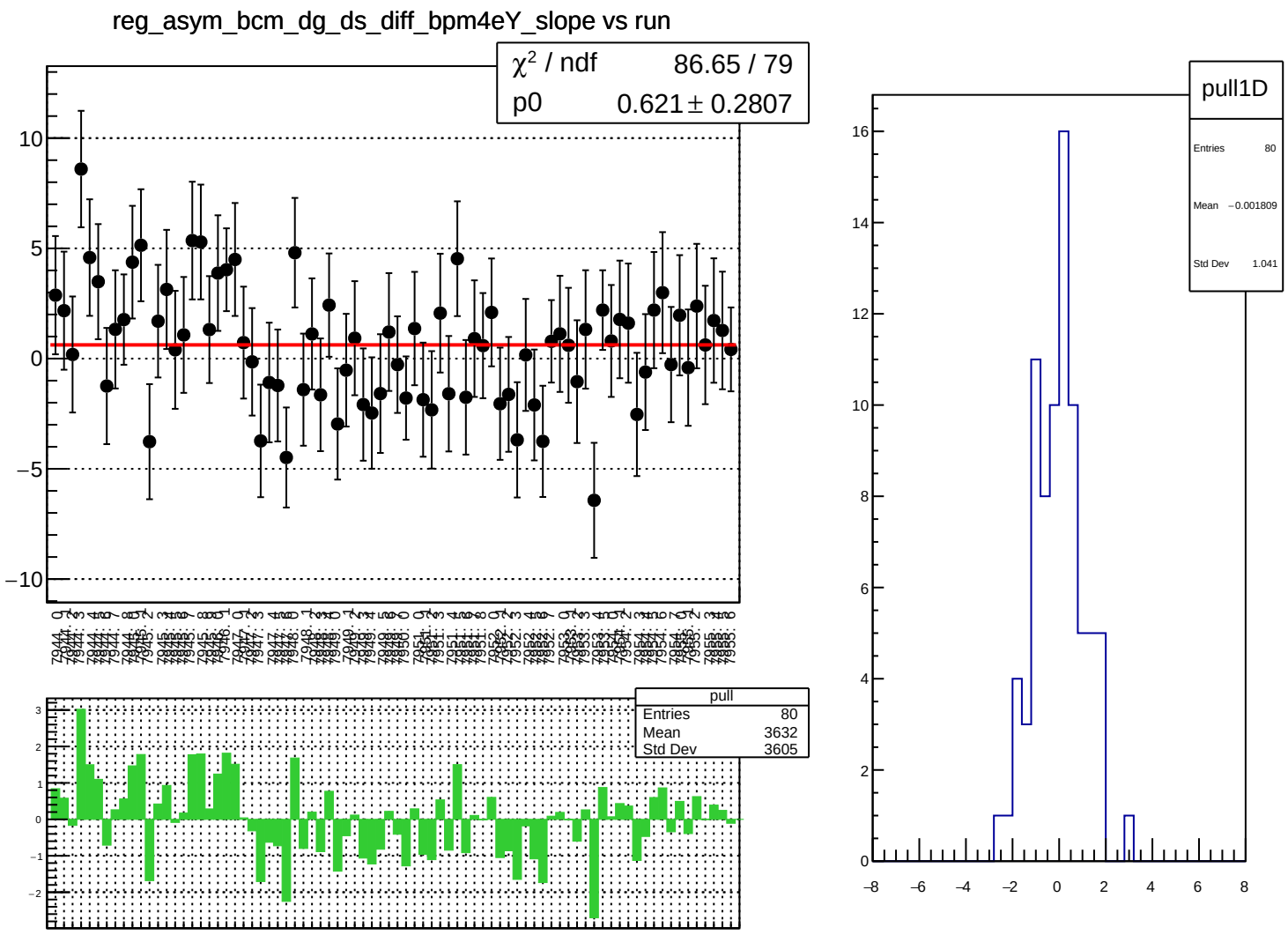

pull1D
Entries 80
Mean 0.02586
Std Dev 1.436

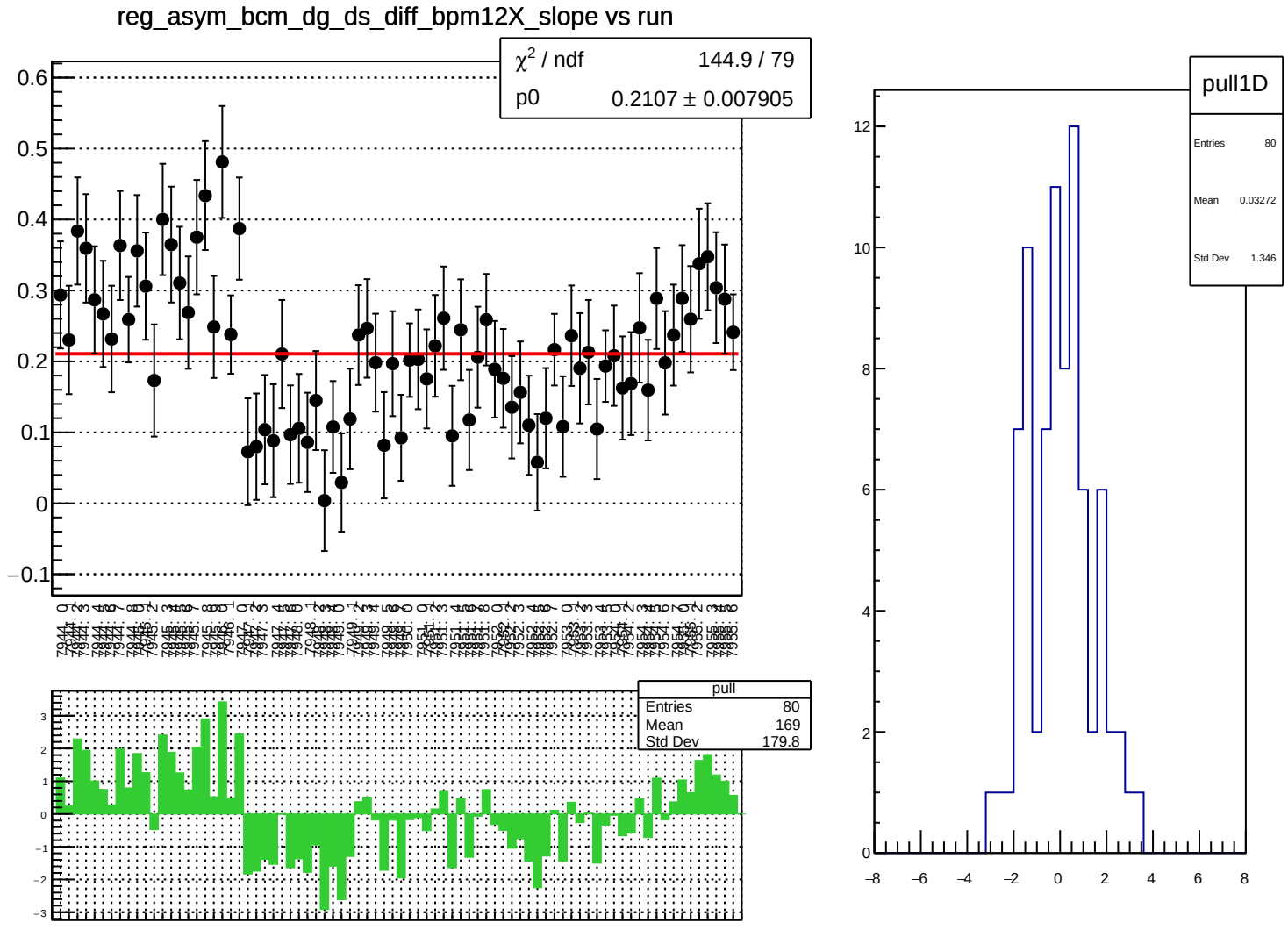

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 78.94 / 79
p0 −1.672 ± 0.2442
pull
Entries 80
Mean 1975
Std Dev 1952

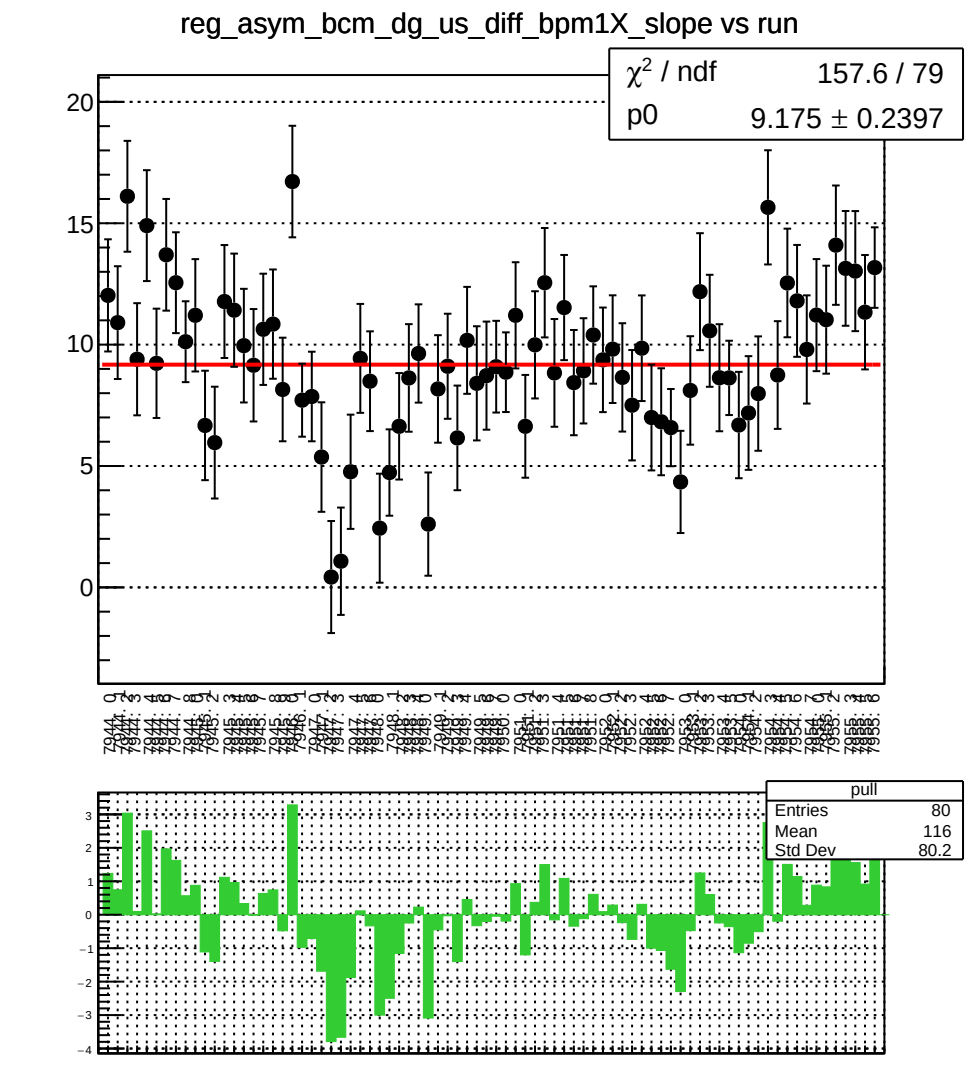

pull1D
Entries 80
Mean 0.002119
Std Dev 0.9934

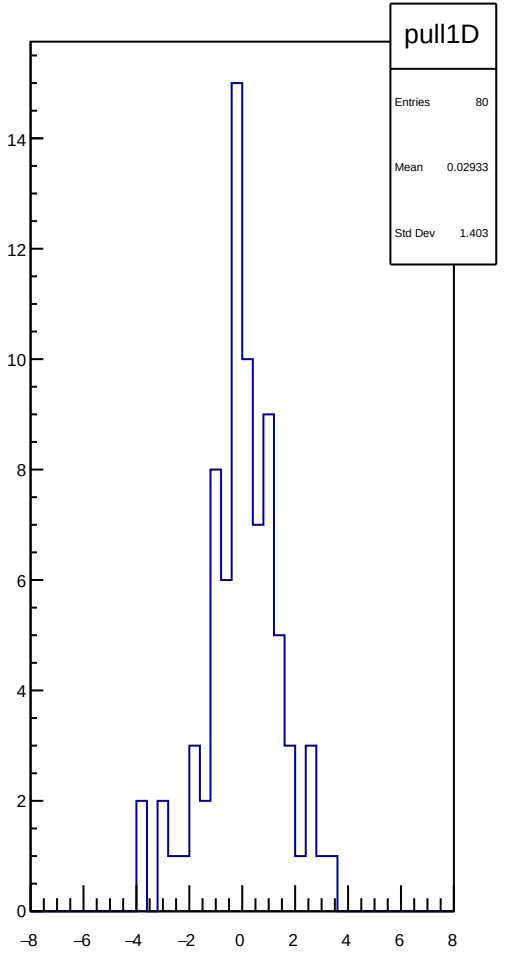

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 171 / 79
p0 −8.284 ± 0.2098
pull
Entries 80
Mean 122.3
Std Dev 54.85

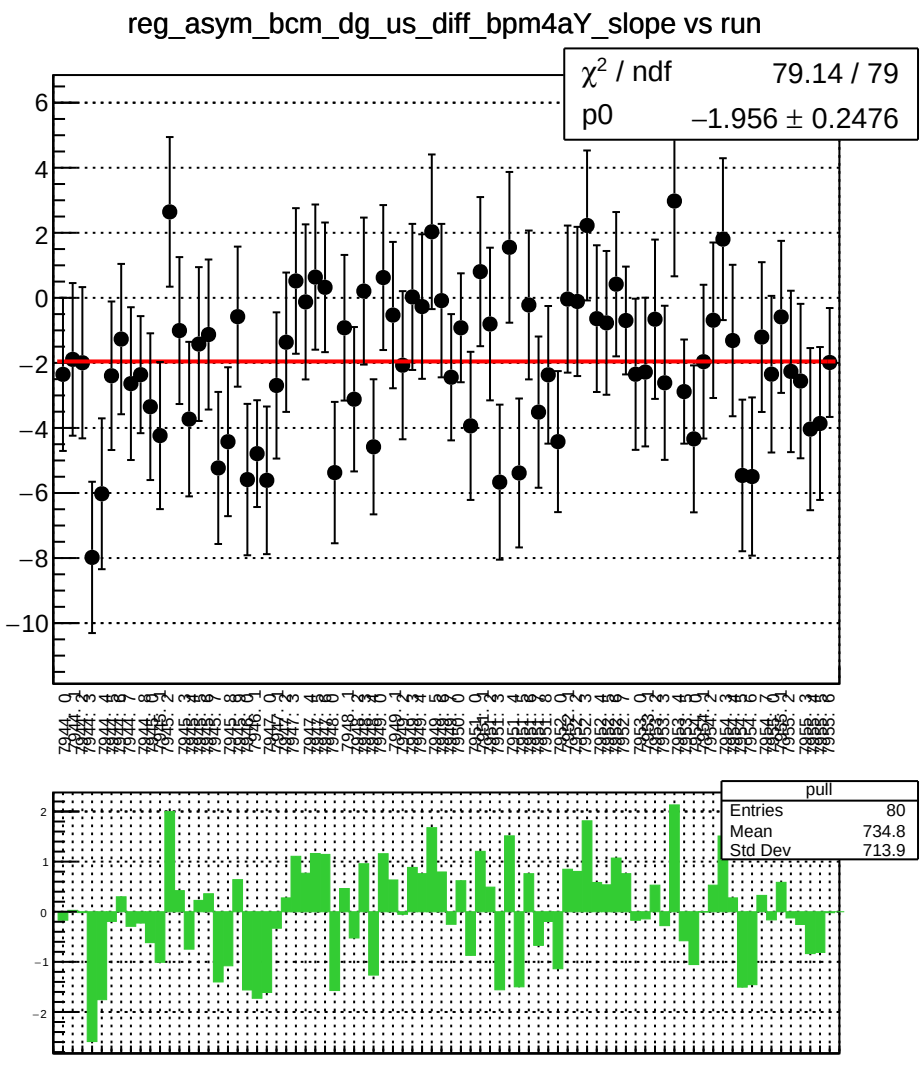

pull1D
Entries 80
Mean −0.03932
Std Dev 1.462

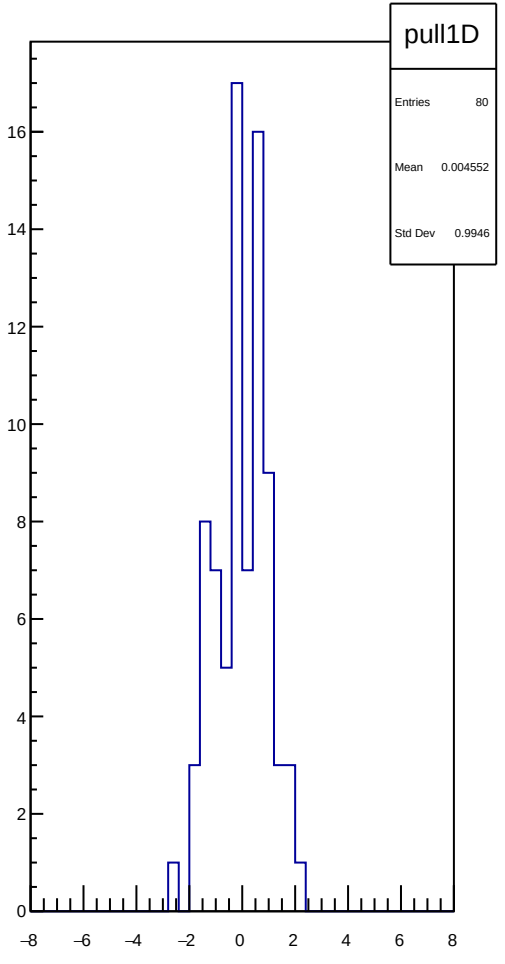

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 86.65 / 79
p0 0.621 ± 0.2807
pull
Entries 80
Mean 3632
Std Dev 3605
pull1D
Entries 80
Mean −0.001809
Std Dev 1.041

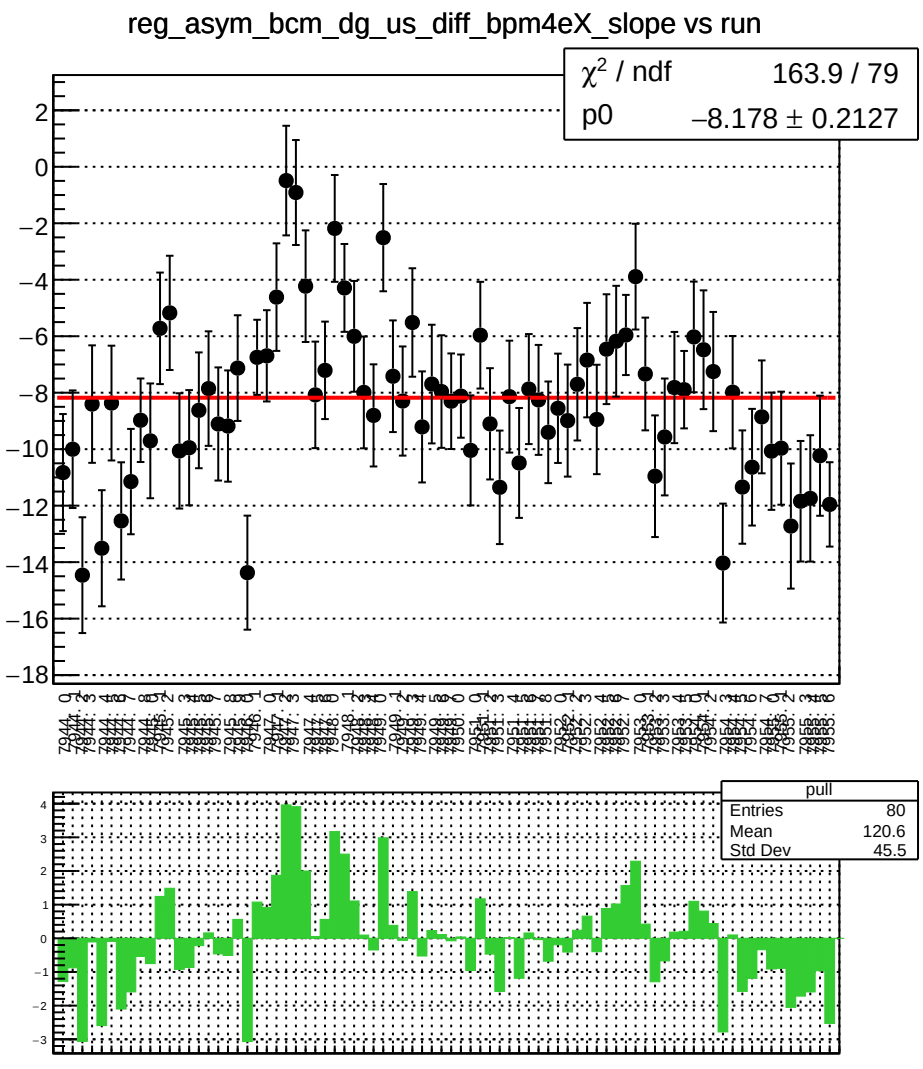

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 144.9 / 79
p0 0.2107 ± 0.007905
pull
Entries 80
Mean −169
Std Dev 179.8
pull1D
Entries 80
Mean 0.03272
Std Dev 1.346

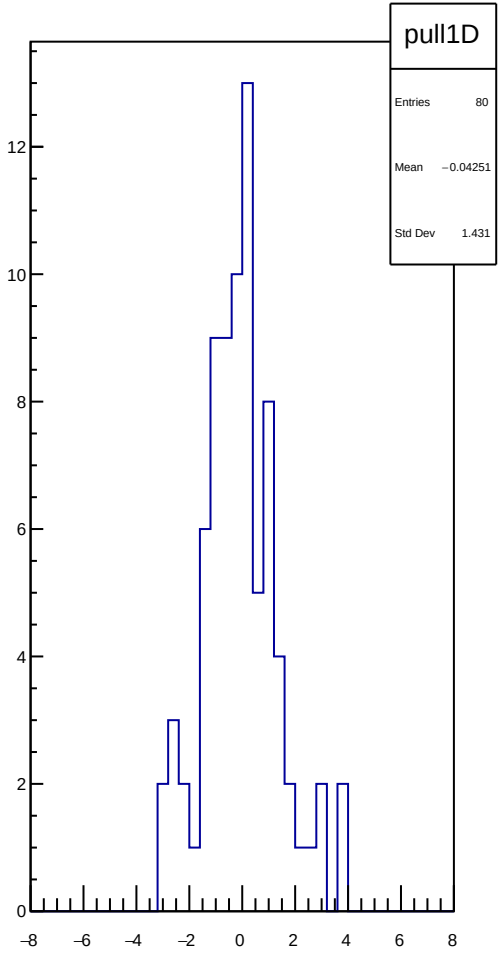

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 157.6 / 79
p0 9.175 ± 0.2397
pull
Entries 80
Mean 116
Std Dev 80.2

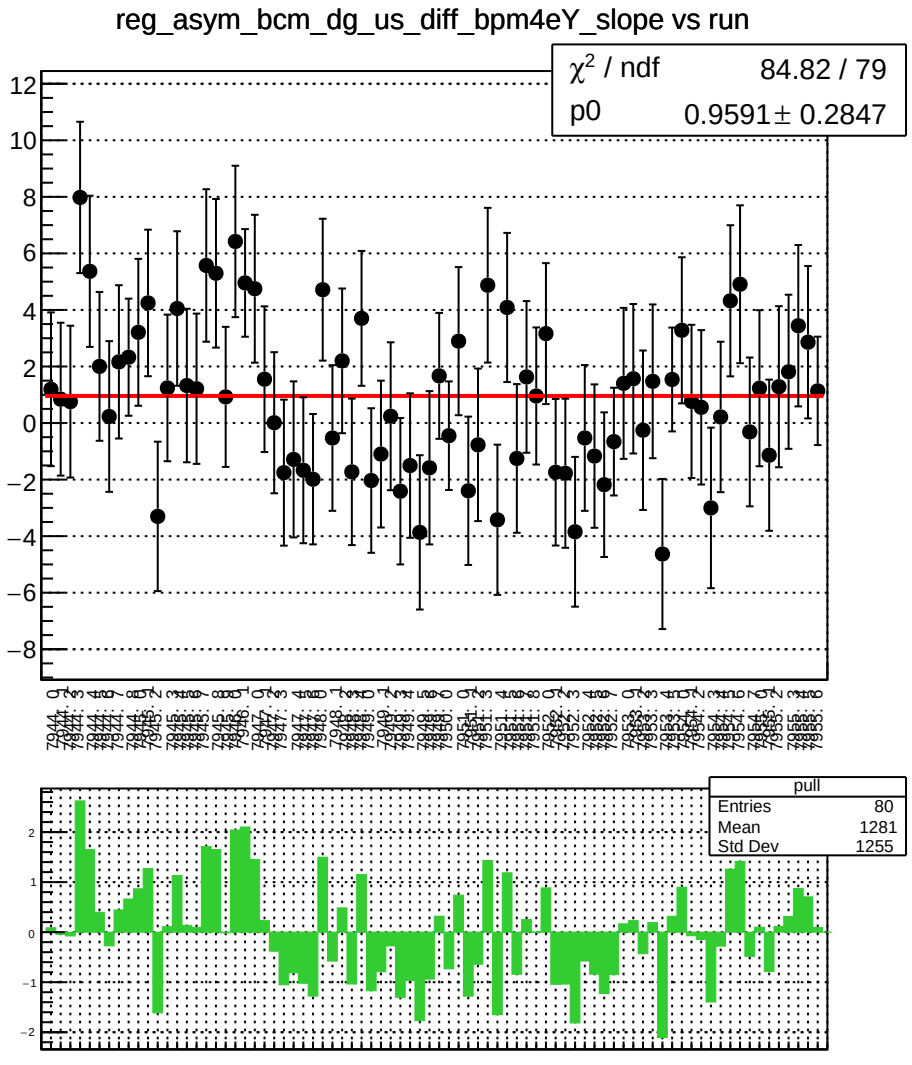

pull1D
Entries 80
Mean 0.02933
Std Dev 1.403

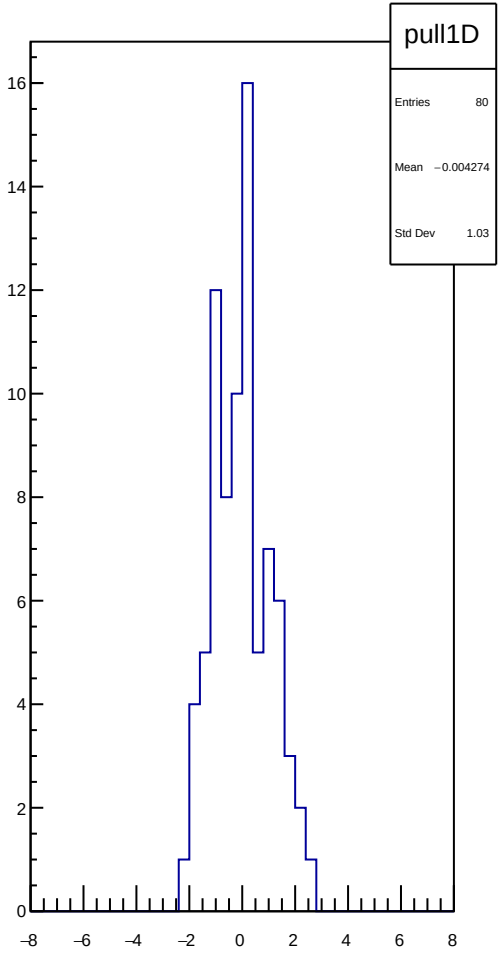

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 79.14 / 79
p0 −1.956 ± 0.2476
pull
Entries 80
Mean 734.8
Std Dev 713.9

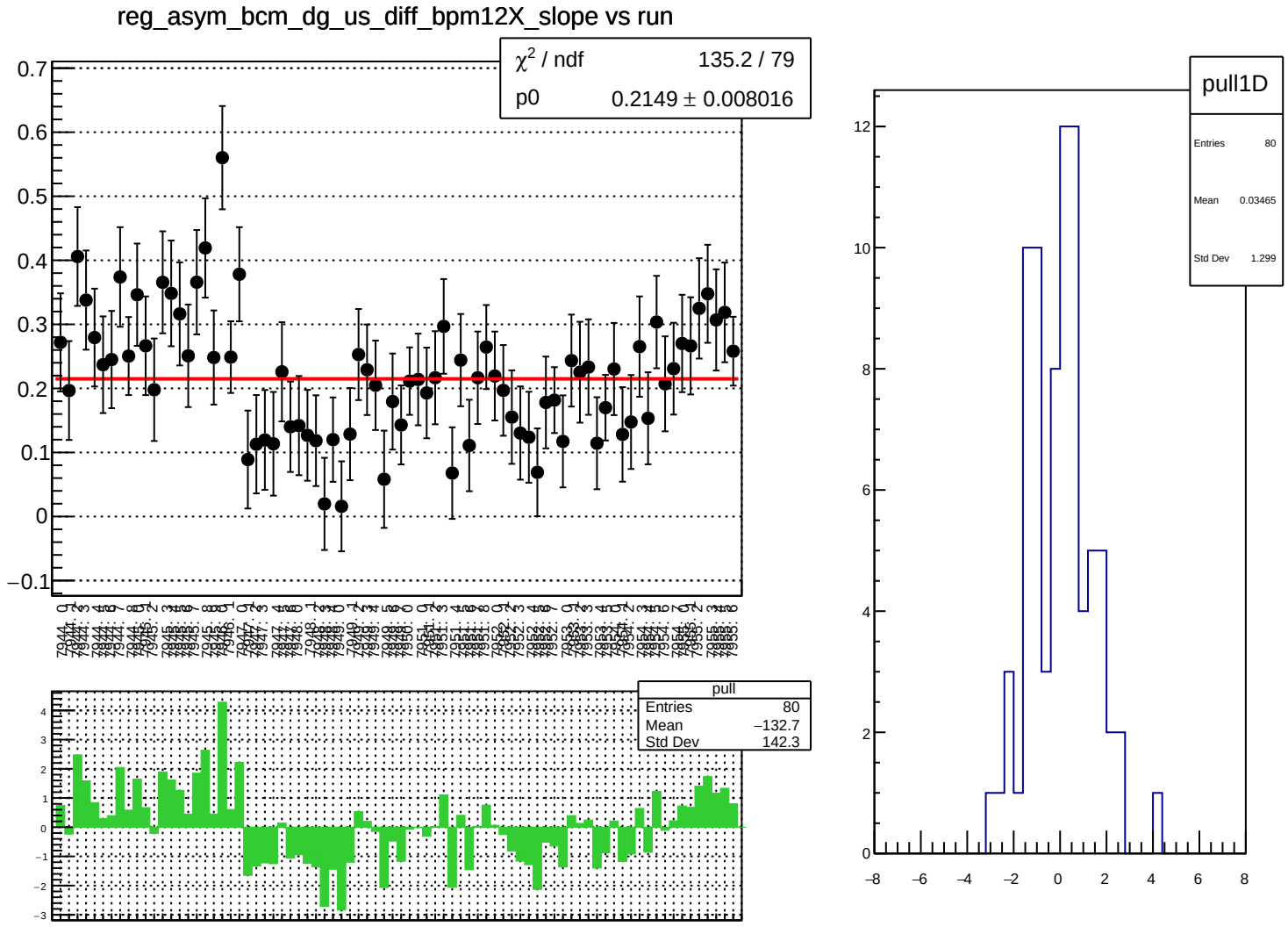

pull1D
Entries 80
Mean 0.004552
Std Dev 0.9946


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 163.9 / 79
p0 −8.178 ± 0.2127
pull
Entries 80
Mean 120.6
Std Dev 45.5


pull1D
Entries 80
Mean −0.04251
Std Dev 1.431


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 84.82 / 79
p0 0.9591 ± 0.2847
pull
Entries 80
Mean 1281
Std Dev 1255


pull1D
Entries 80
Mean −0.004274
Std Dev 1.03


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 135.2 / 79
p0 0.2149 ± 0.008016
pull
Entries 80
Mean −132.7
Std Dev 142.3
pull1D
Entries 80
Mean 0.03465
Std Dev 1.299