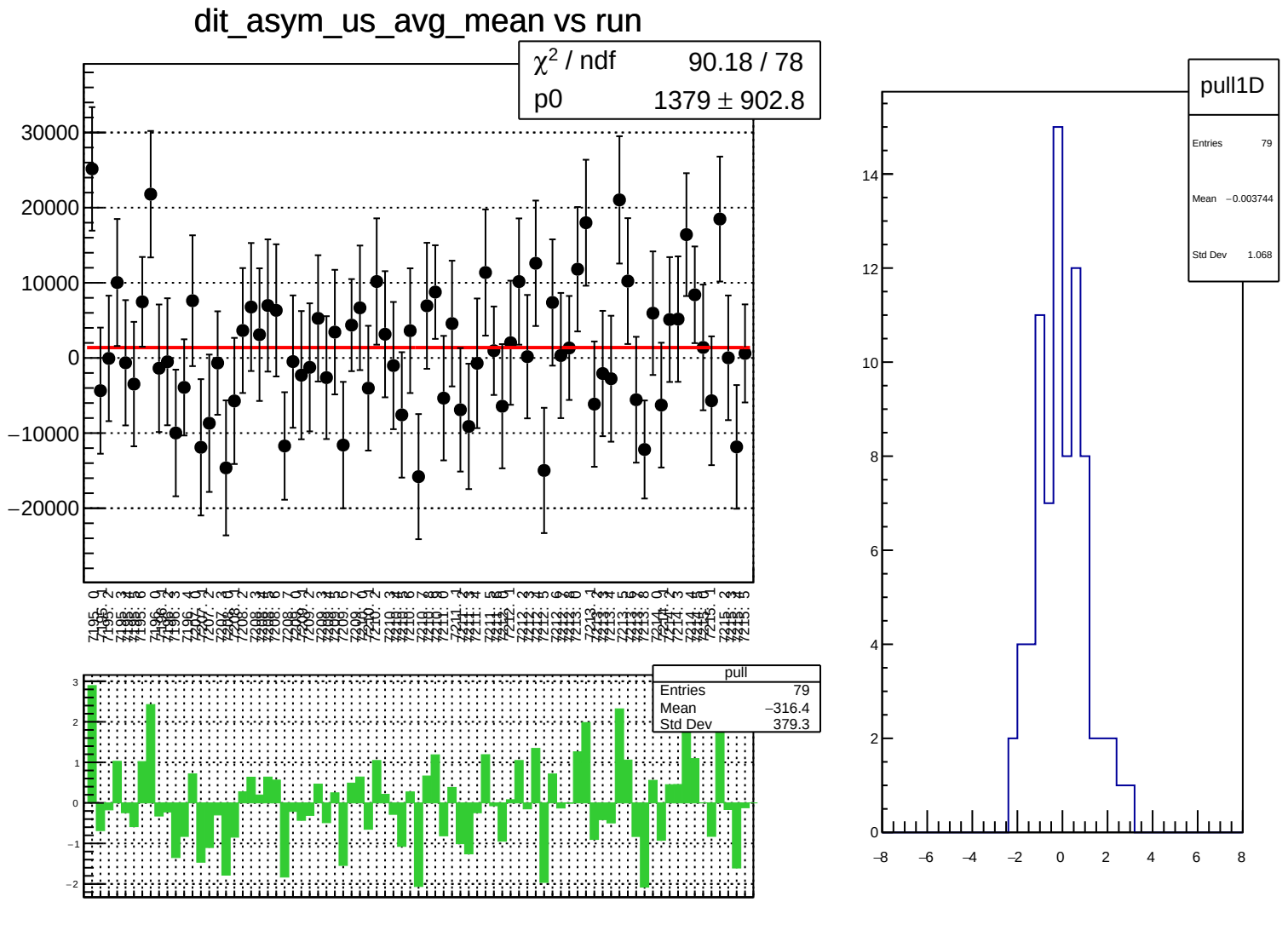
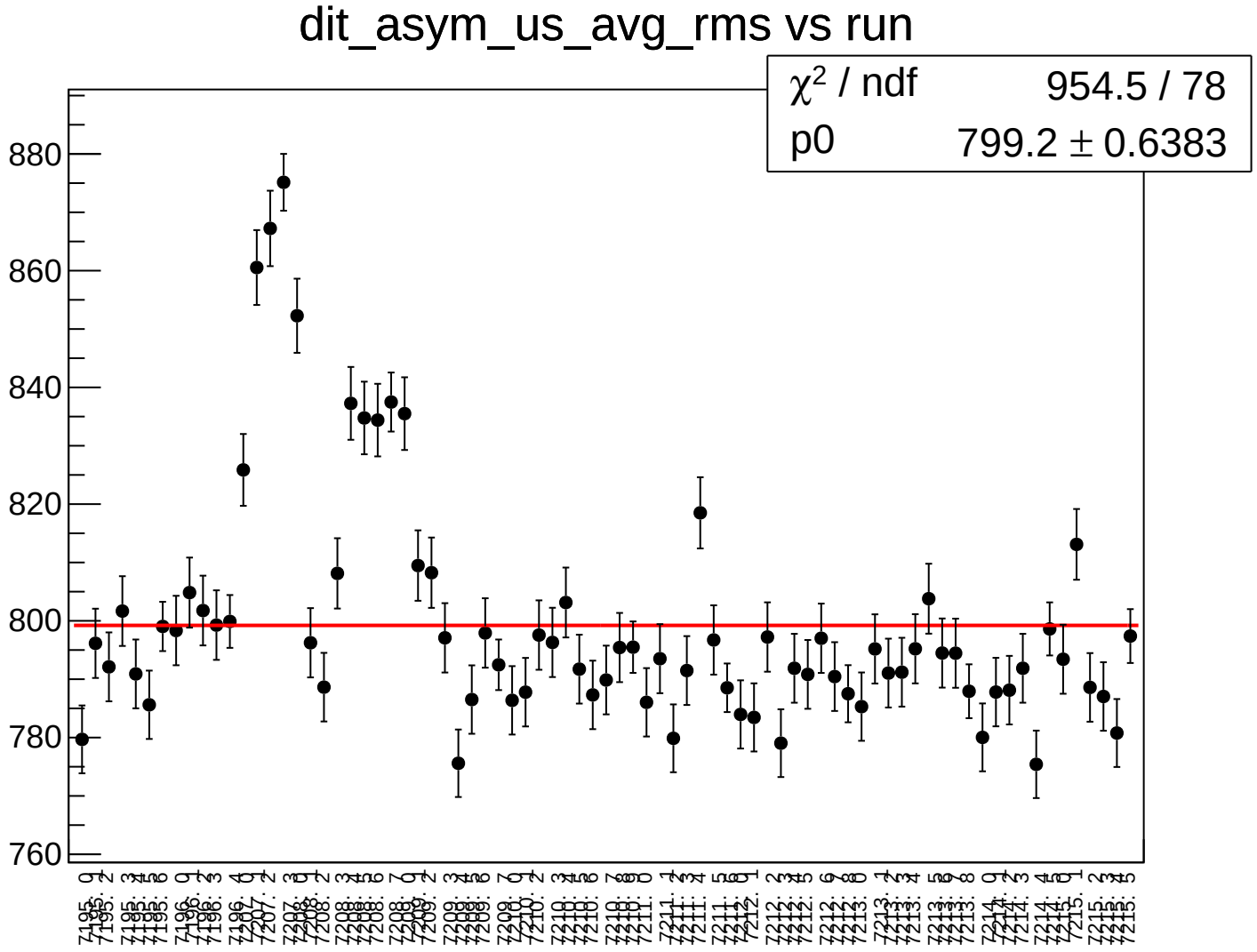
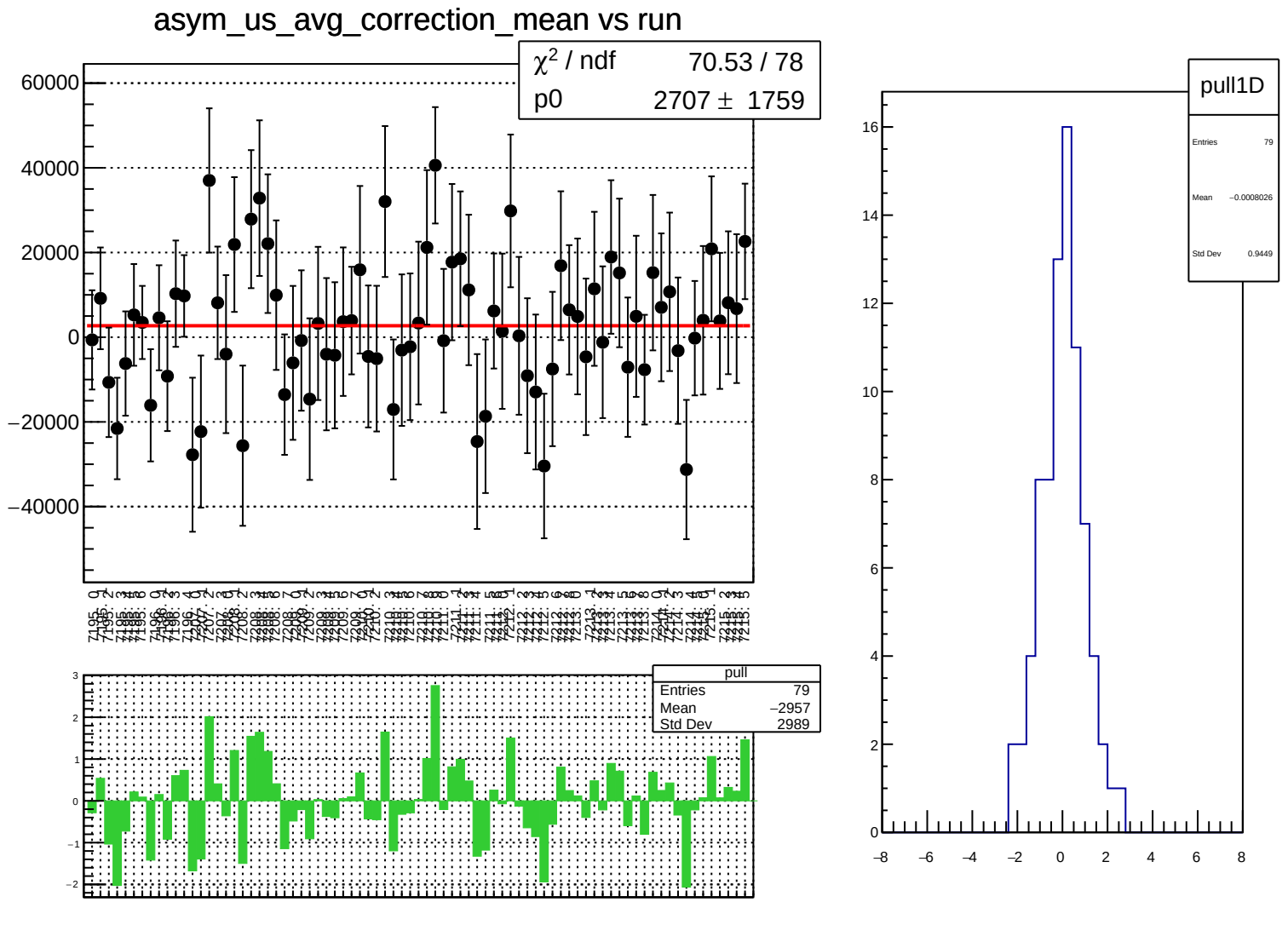
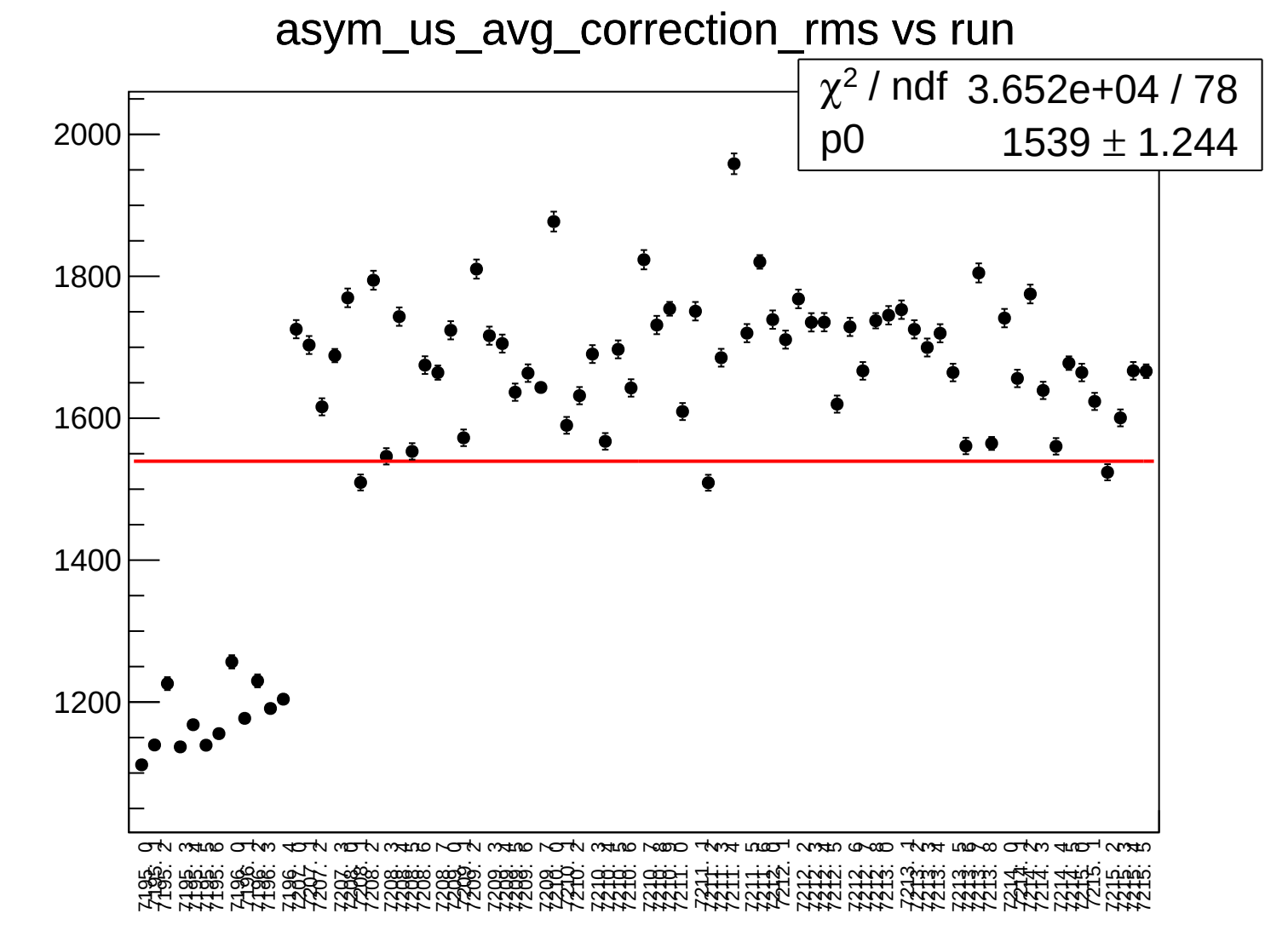
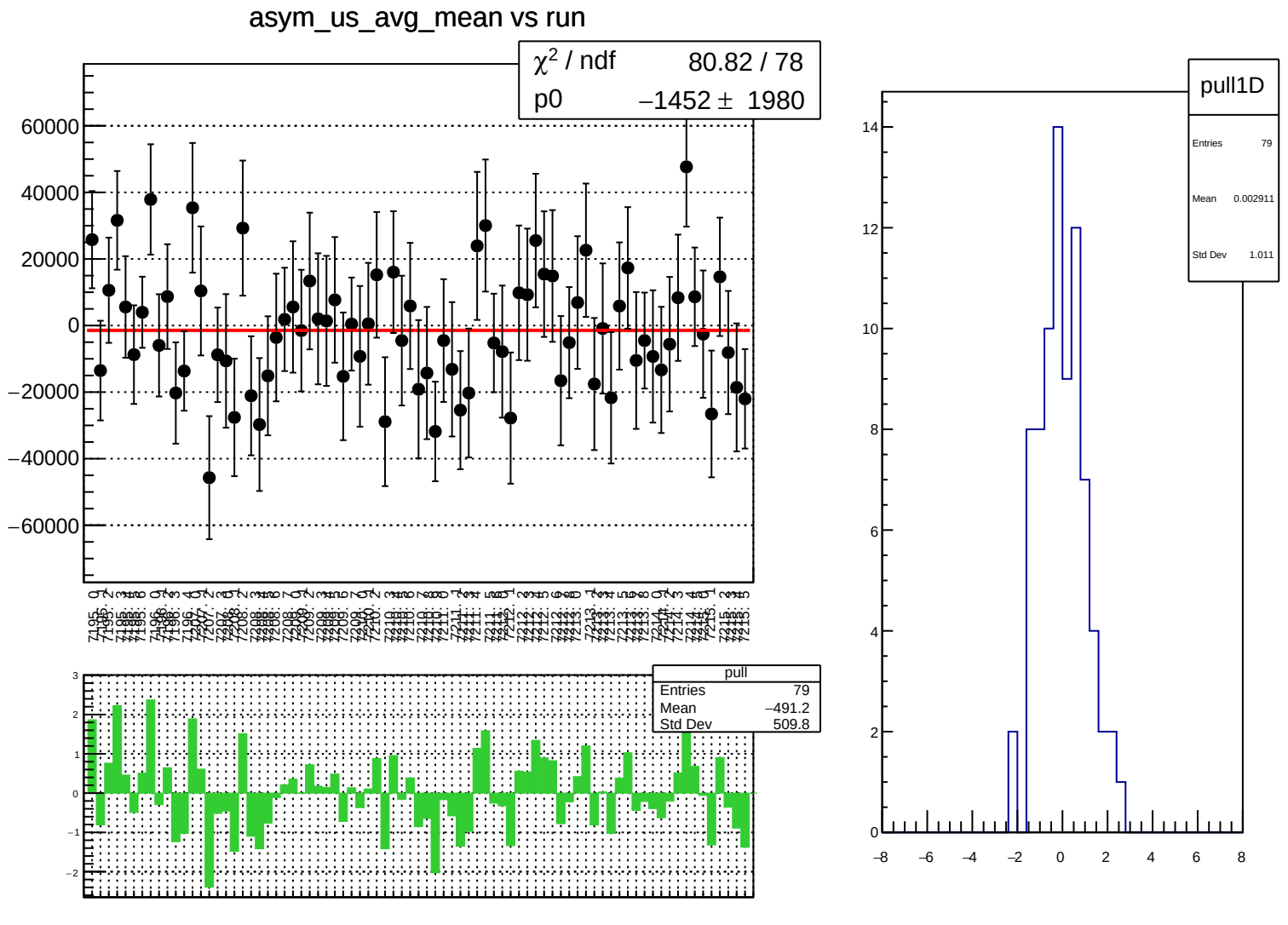
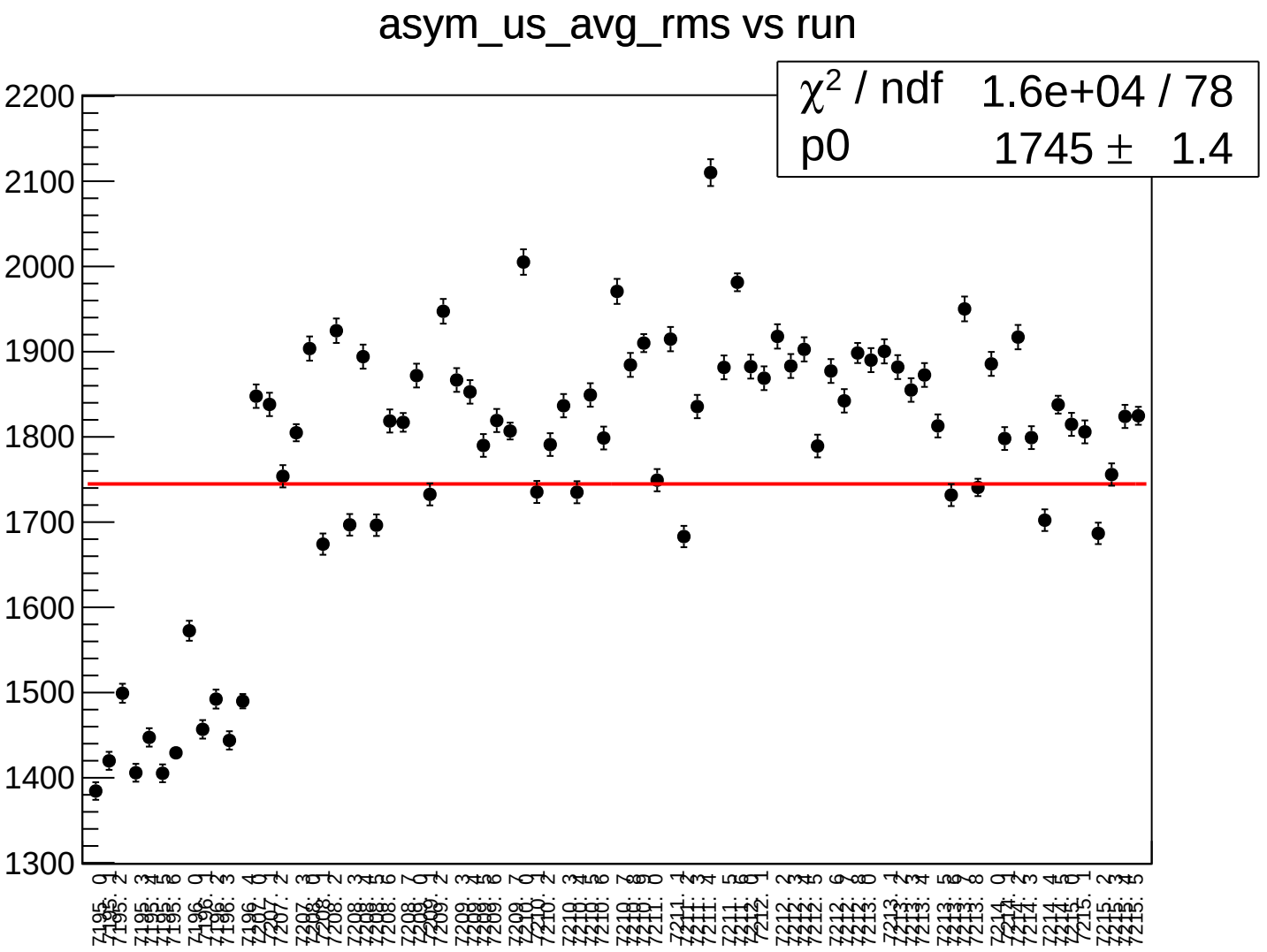

dit_asym_us_avg_mean vs run
χ² / ndf 90.18 / 78
p0 1379 ± 902.8
30000
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −316.4
Std Dev 379.3
3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.003744
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

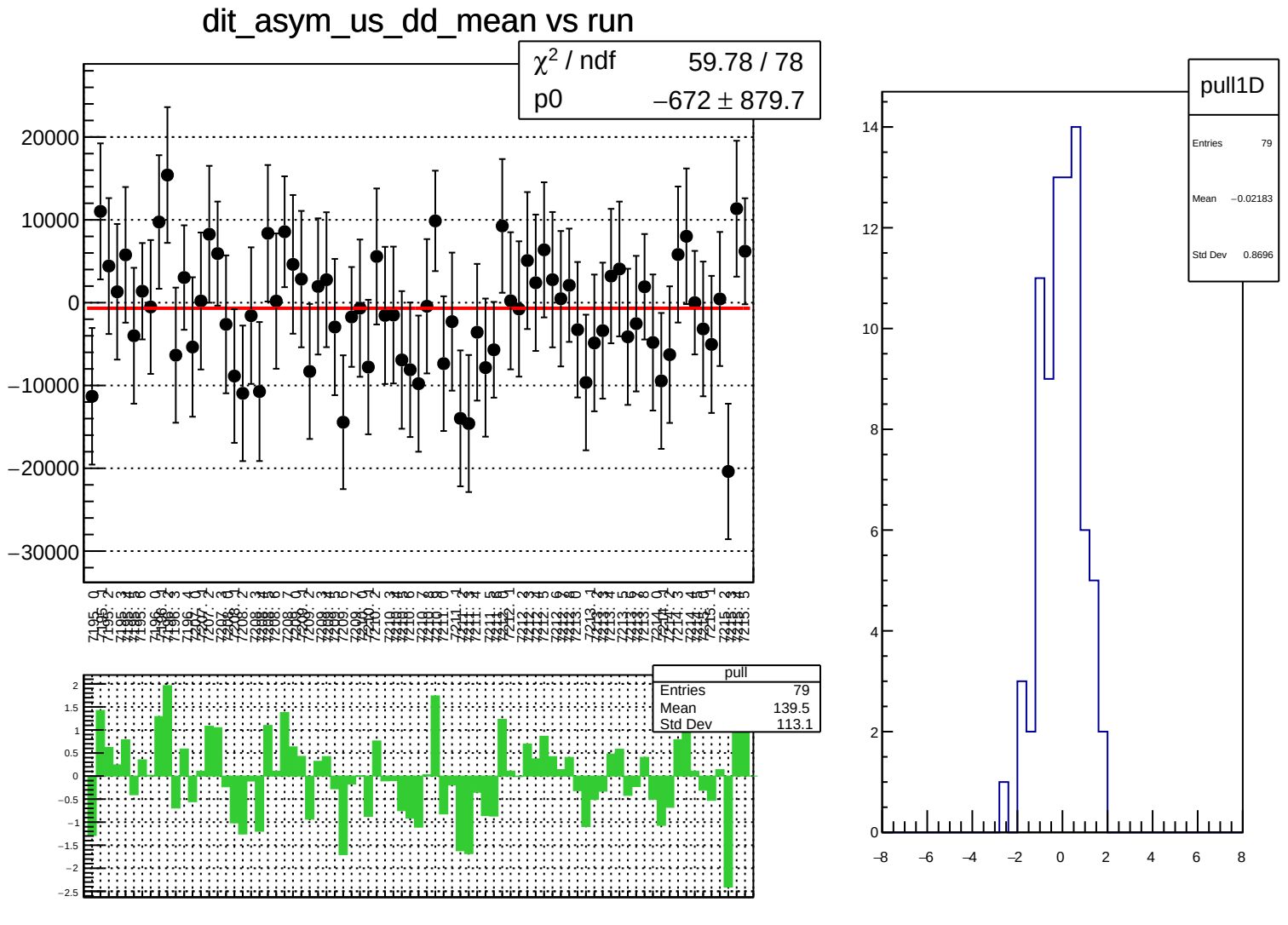

dit_asym_us_avg_rms vs run
χ² / ndf 954.5 / 78
p0 799.2 ± 0.6383
880
860
840
820
800
780
760

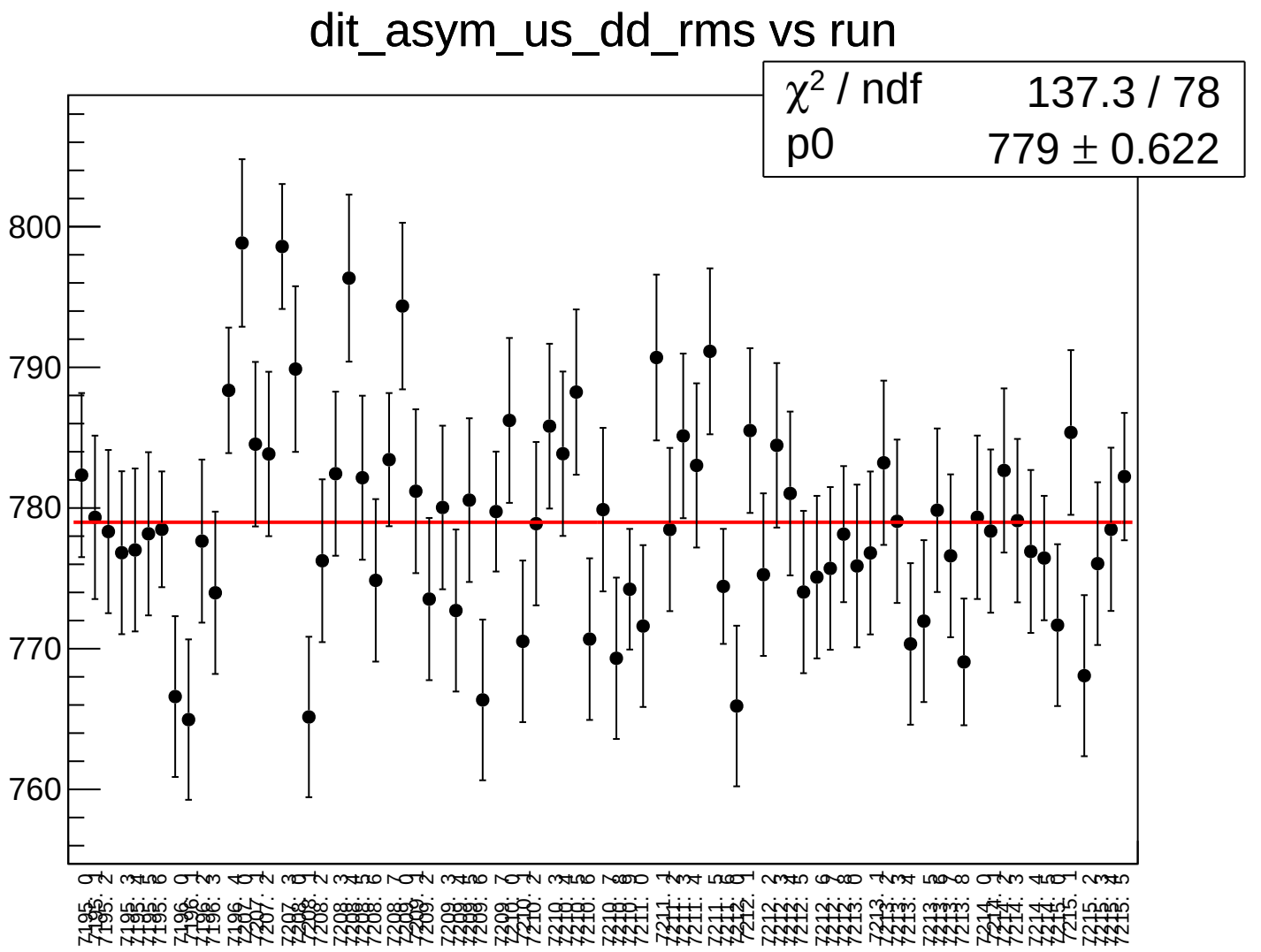

asym_us_avg_correction_mean vs run
χ² / ndf 70.53 / 78
p0 2707 ± 1759
pull
Entries 79
Mean −2957
Std Dev 2989
pull1D
Entries 79
Mean −0.0008026
Std Dev 0.9449

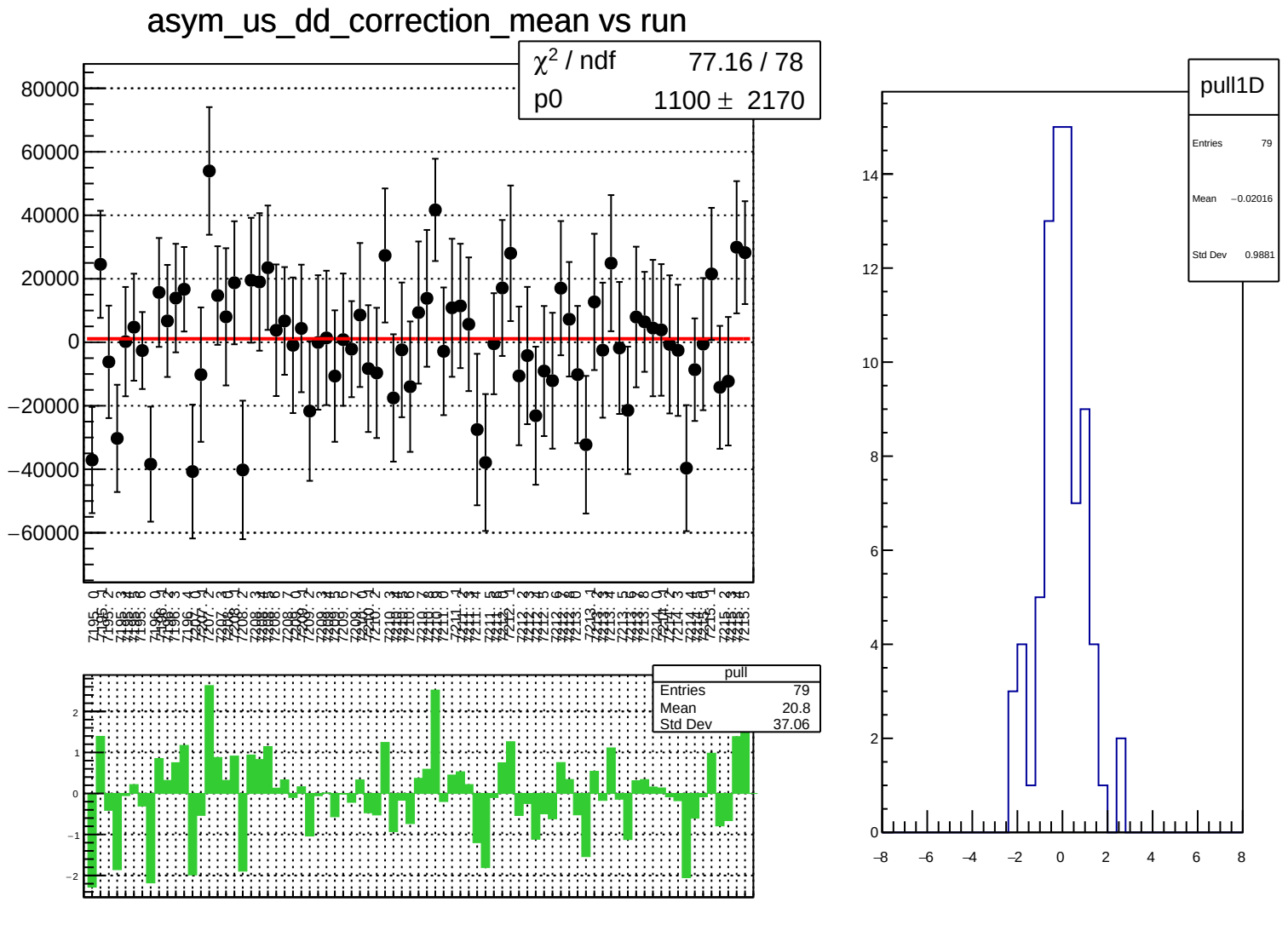

asym_us_avg_correction_rms vs run
χ^2 / ndf 3.652e+04 / 78
p0 1539 ± 1.244
2000
1800
1600
1400
1200


asym_us_avg_mean vs run
χ² / ndf 80.82 / 78
p0 −1452 ± 1980
pull
Entries 79
Mean −491.2
Std Dev 509.8
pull1D
Entries 79
Mean 0.002911
Std Dev 1.011

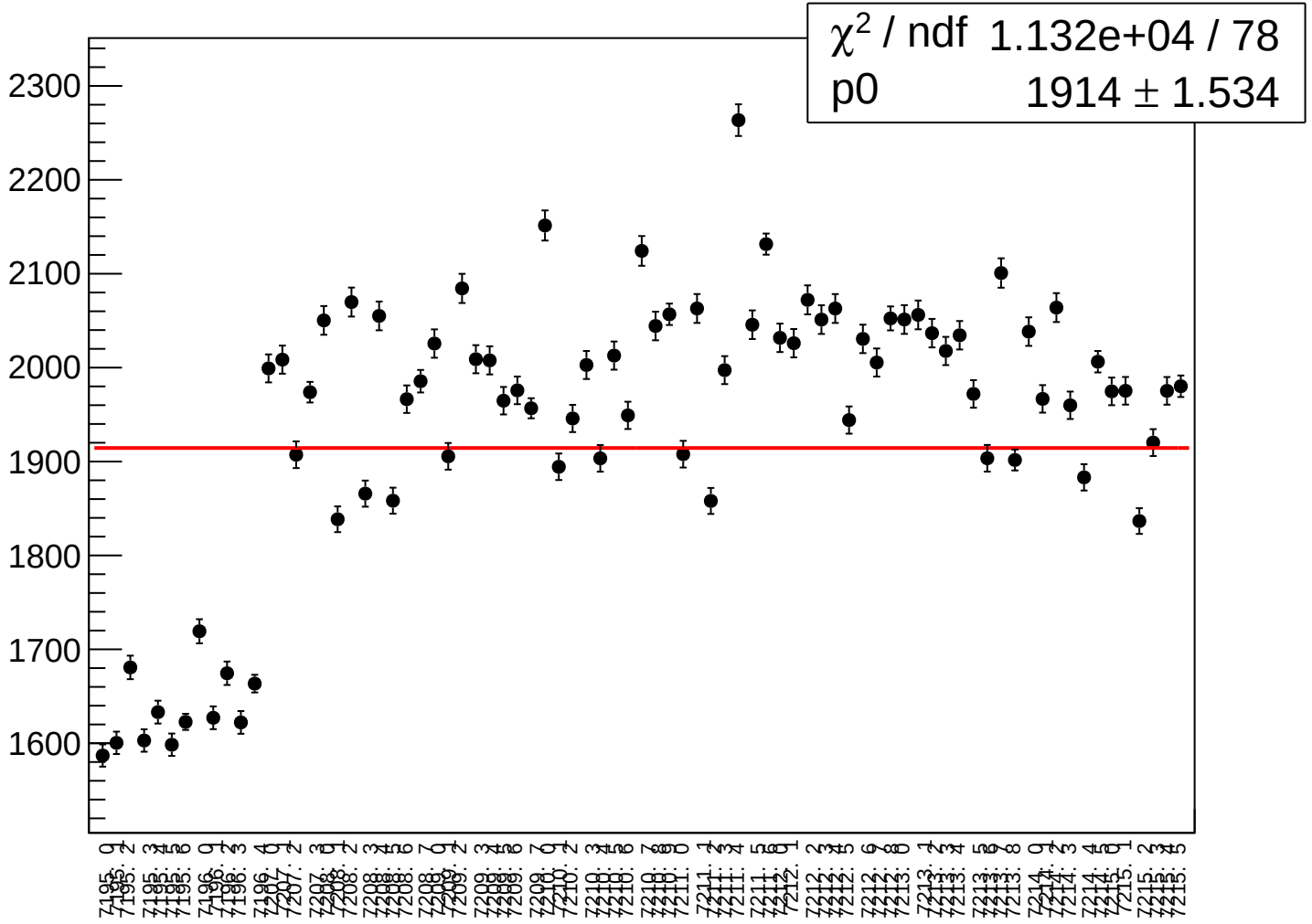

asym_us_avg_rms vs run
χ² / ndf 1.6e+04 / 78
p0 1745 ± 1.4
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300

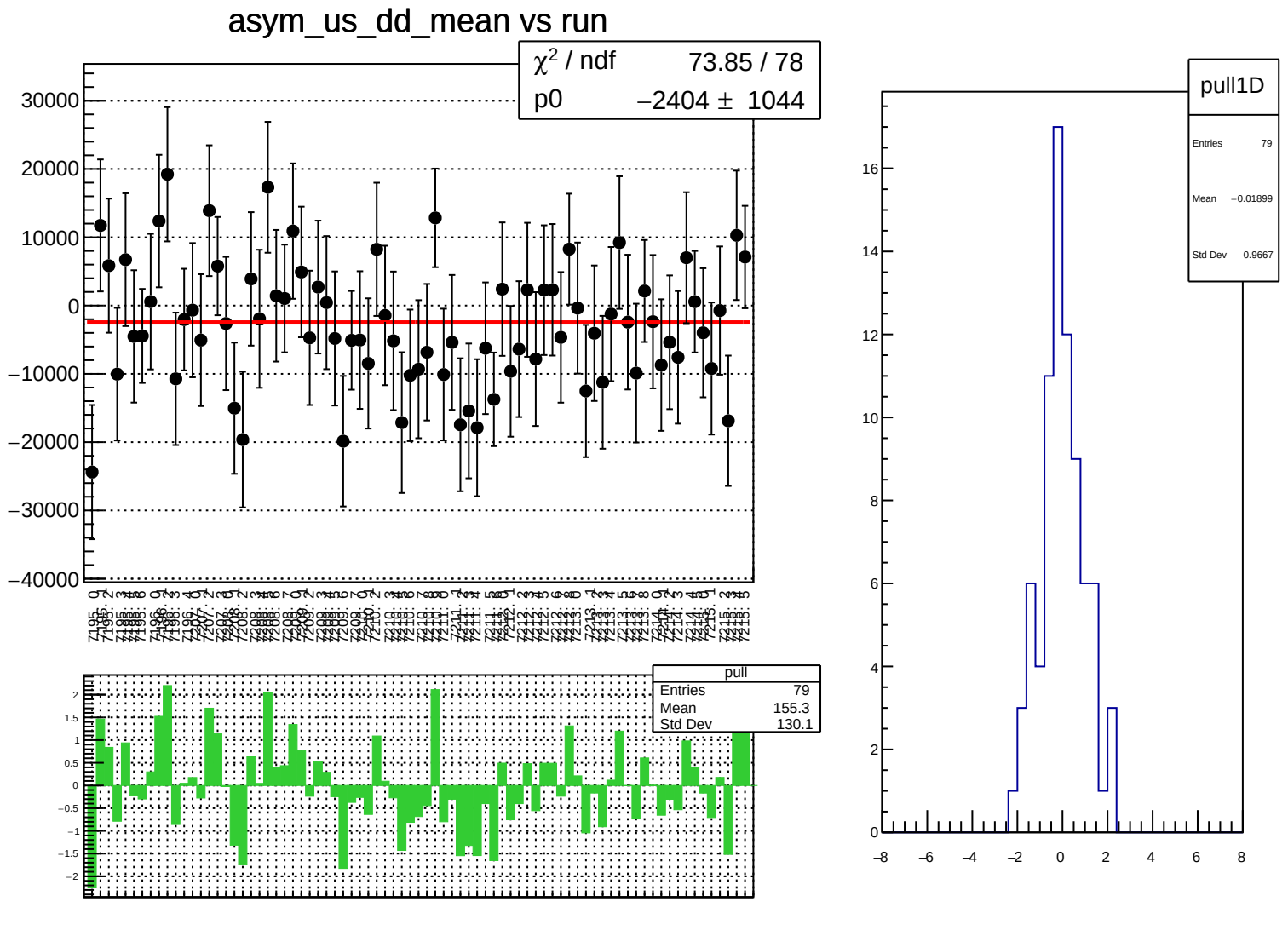

dit_asym_us_dd_mean vs run
χ^2 / ndf 59.78 / 78
p0 −672 ± 879.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 79
Mean 139.5
Std Dev 113.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 79
Mean −0.02183
Std Dev 0.8696
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

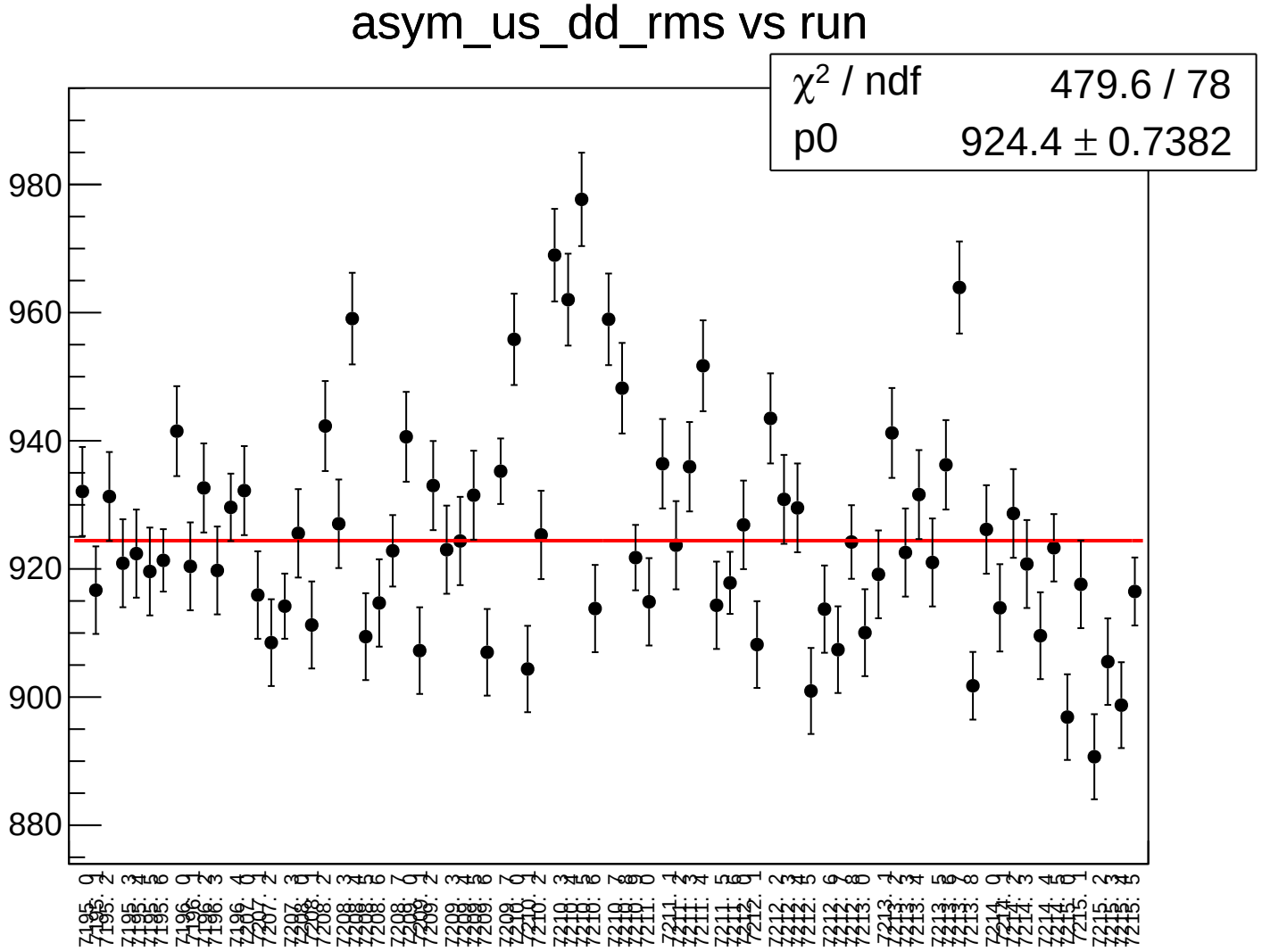

dit_asym_us_dd_rms vs run
χ² / ndf 137.3 / 78
p0 779 ± 0.622
800
790
780
770
760

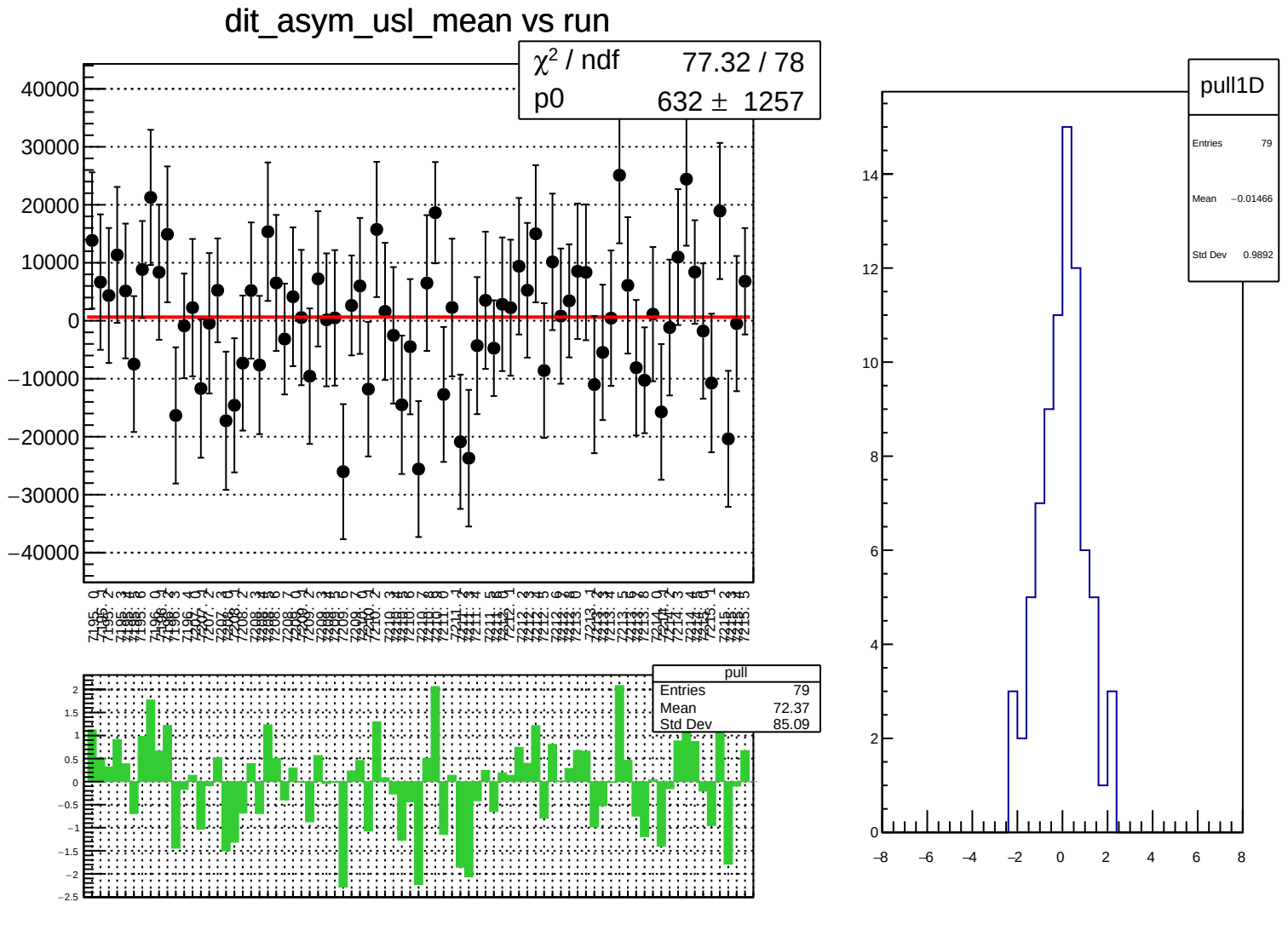

asym_us_dd_correction_mean vs run
χ² / ndf 77.16 / 78
p0 1100 ± 2170
pull
Entries 79
Mean 20.8
Std Dev 37.06
pull1D
Entries 79
Mean −0.02016
Std Dev 0.9881

asym_us_dd_correction_rms vs run

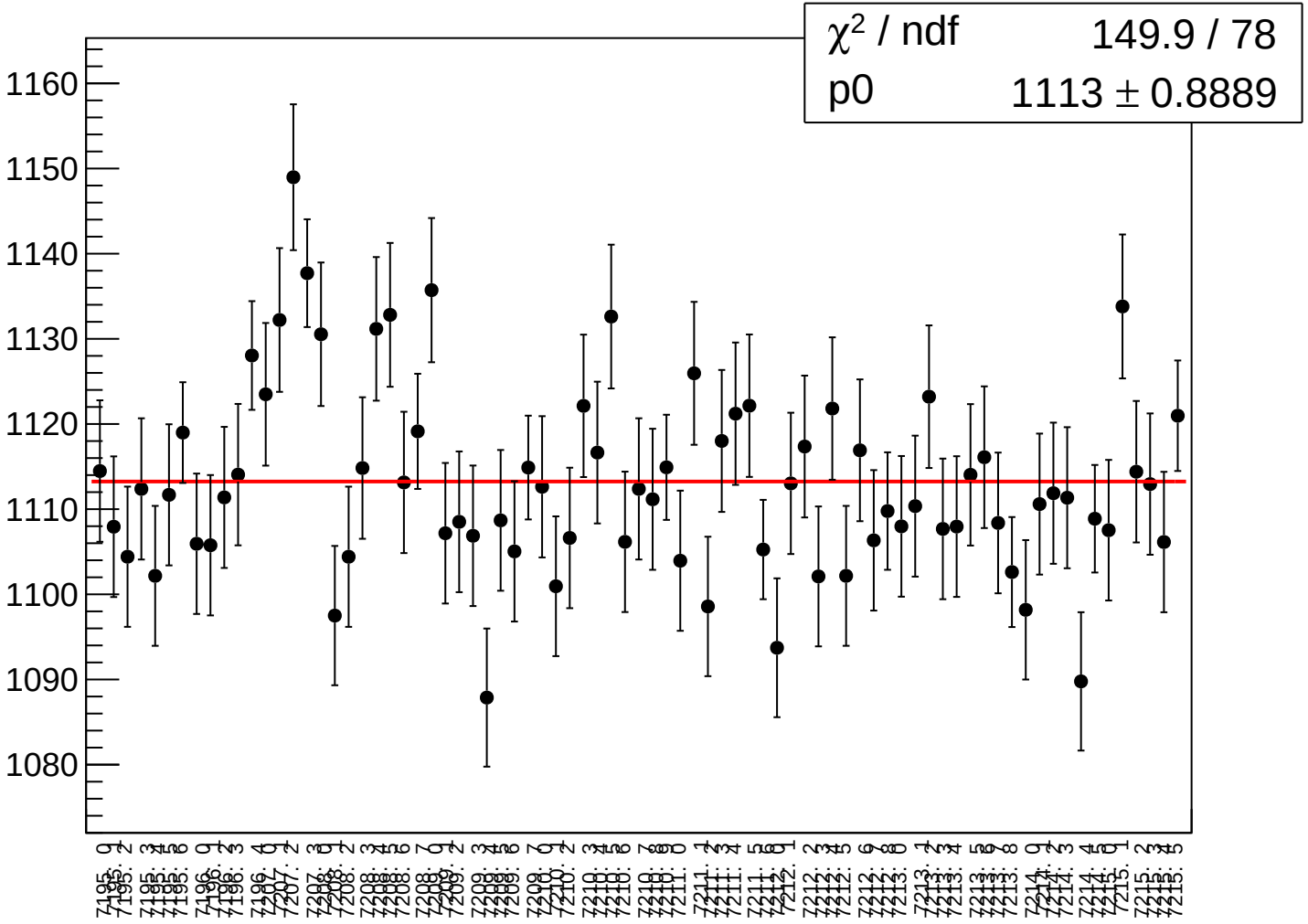


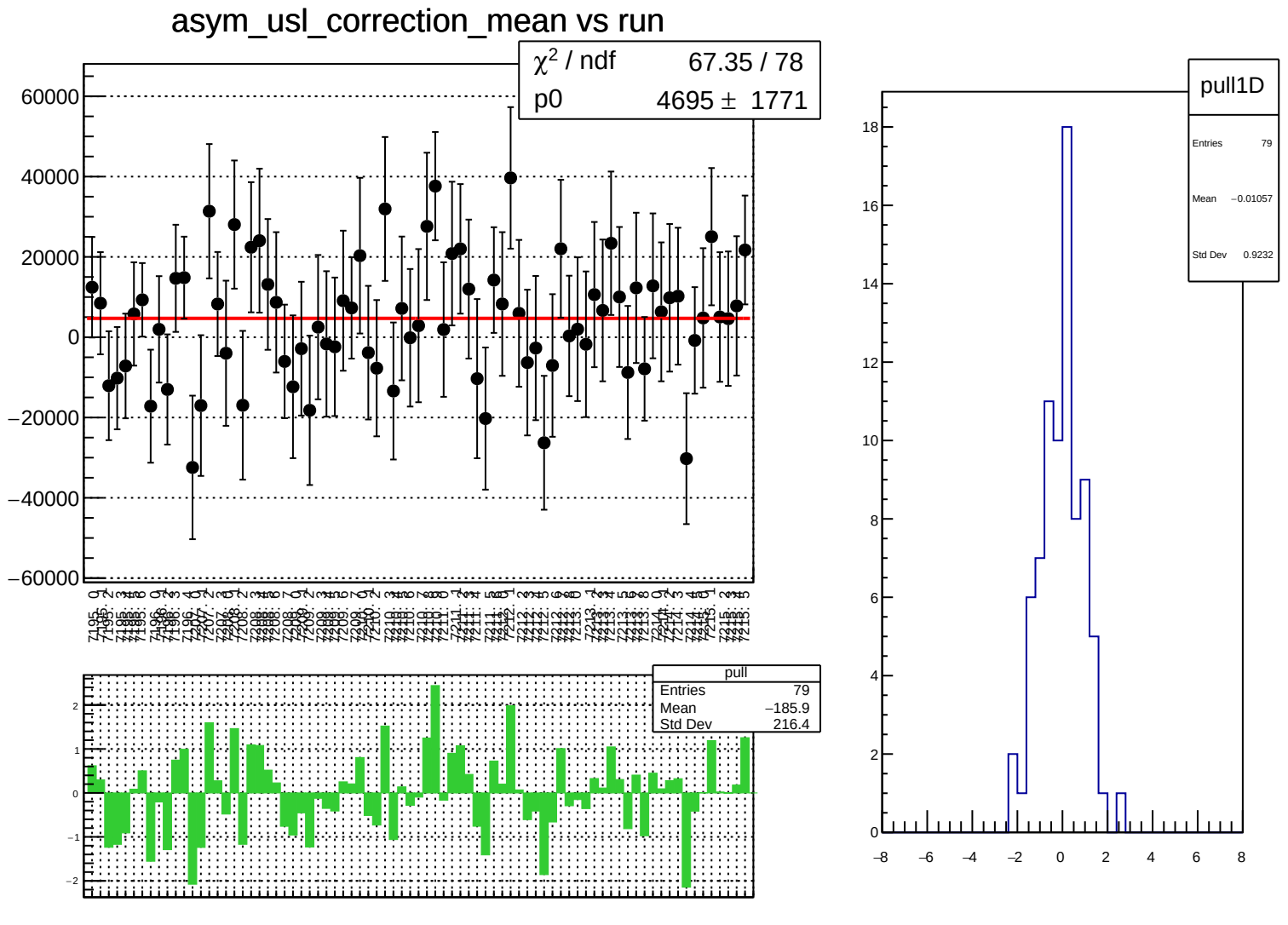

asym_us_dd_mean vs run
χ² / ndf 73.85 / 78
p0 −2404 ± 1044
pull
Entries 79
Mean 155.3
Std Dev 130.1
pull1D
Entries 79
Mean −0.01899
Std Dev 0.9667

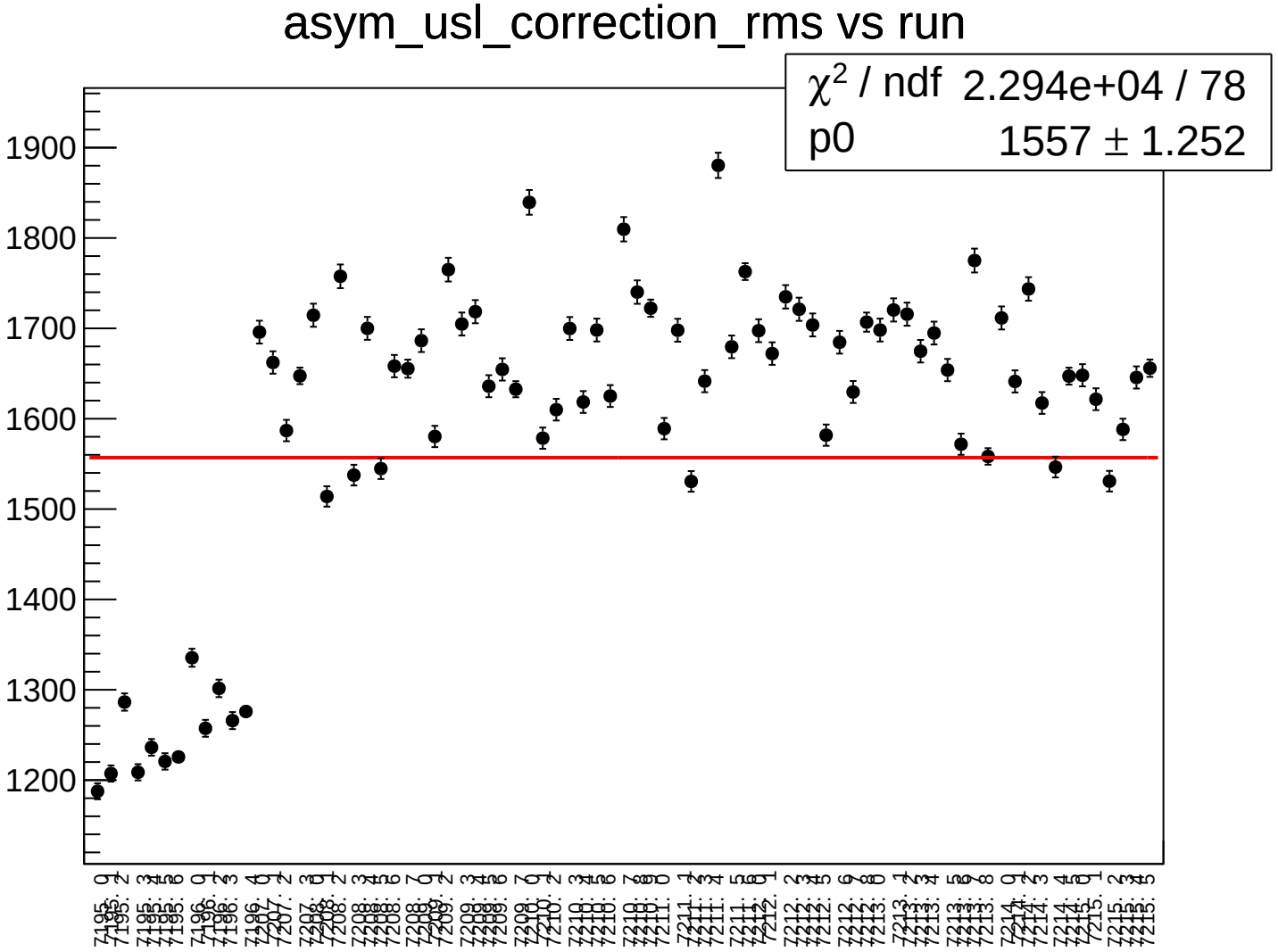

asym_us_dd_rms vs run
χ^2 / ndf 479.6 / 78
p0 924.4 ± 0.7382
980
960
940
920
900
880

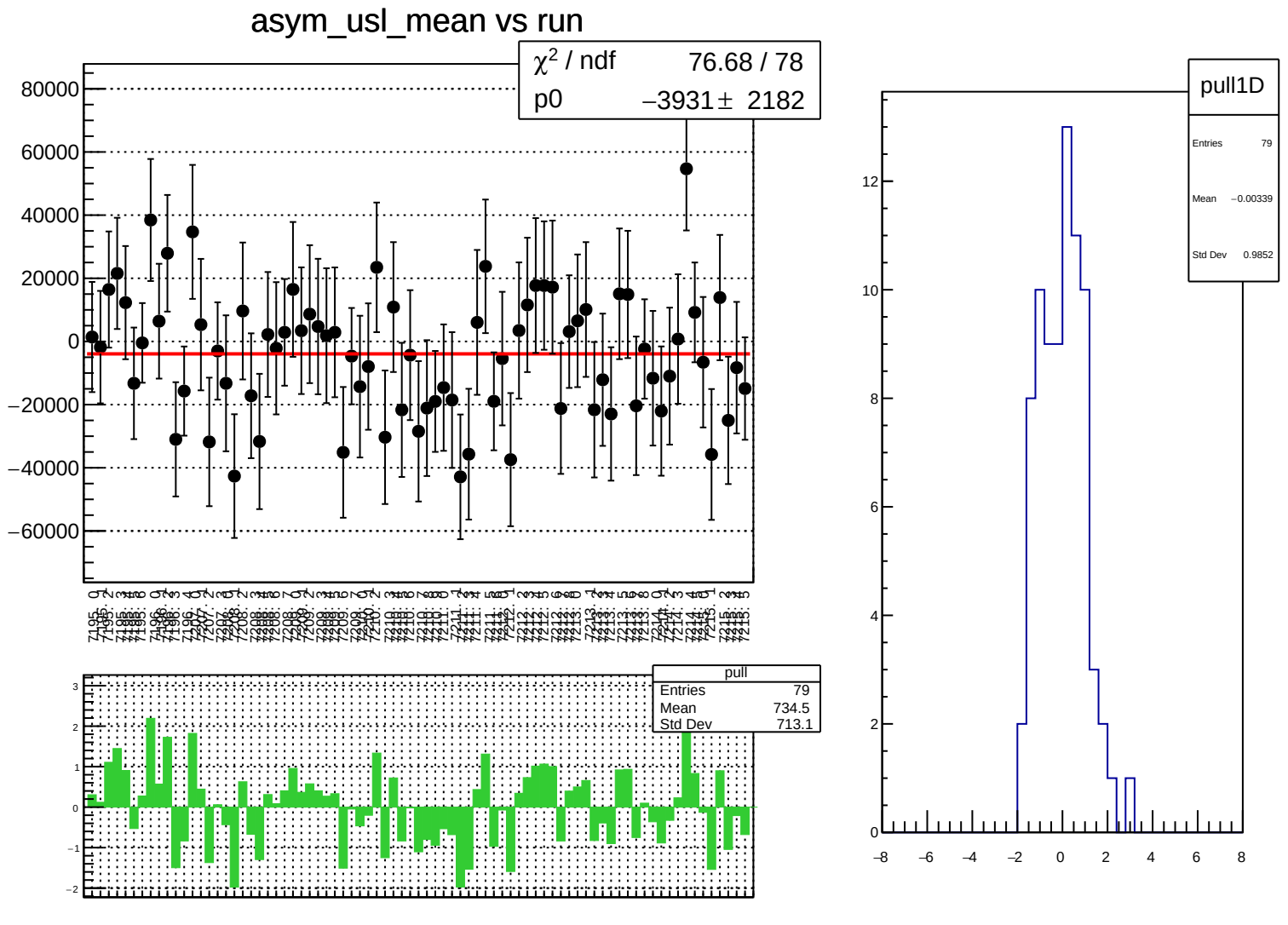

dit_asym_usl_mean vs run
χ² / ndf 77.32 / 78
p0 632 ± 1257
pull
Entries 79
Mean 72.37
Std Dev 85.09
pull1D
Entries 79
Mean −0.01466
Std Dev 0.9892

dit_asym_usl_rms vs run

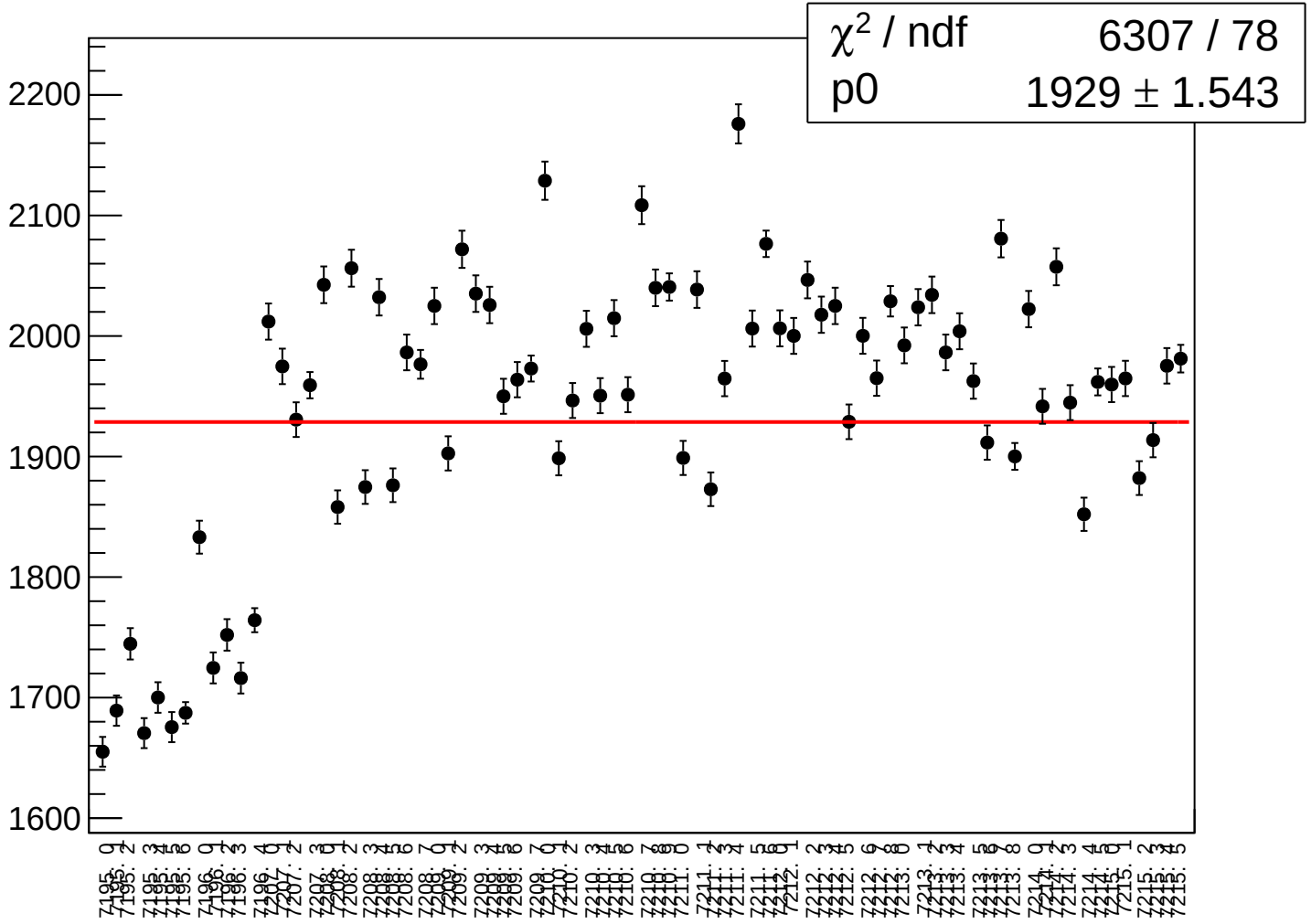


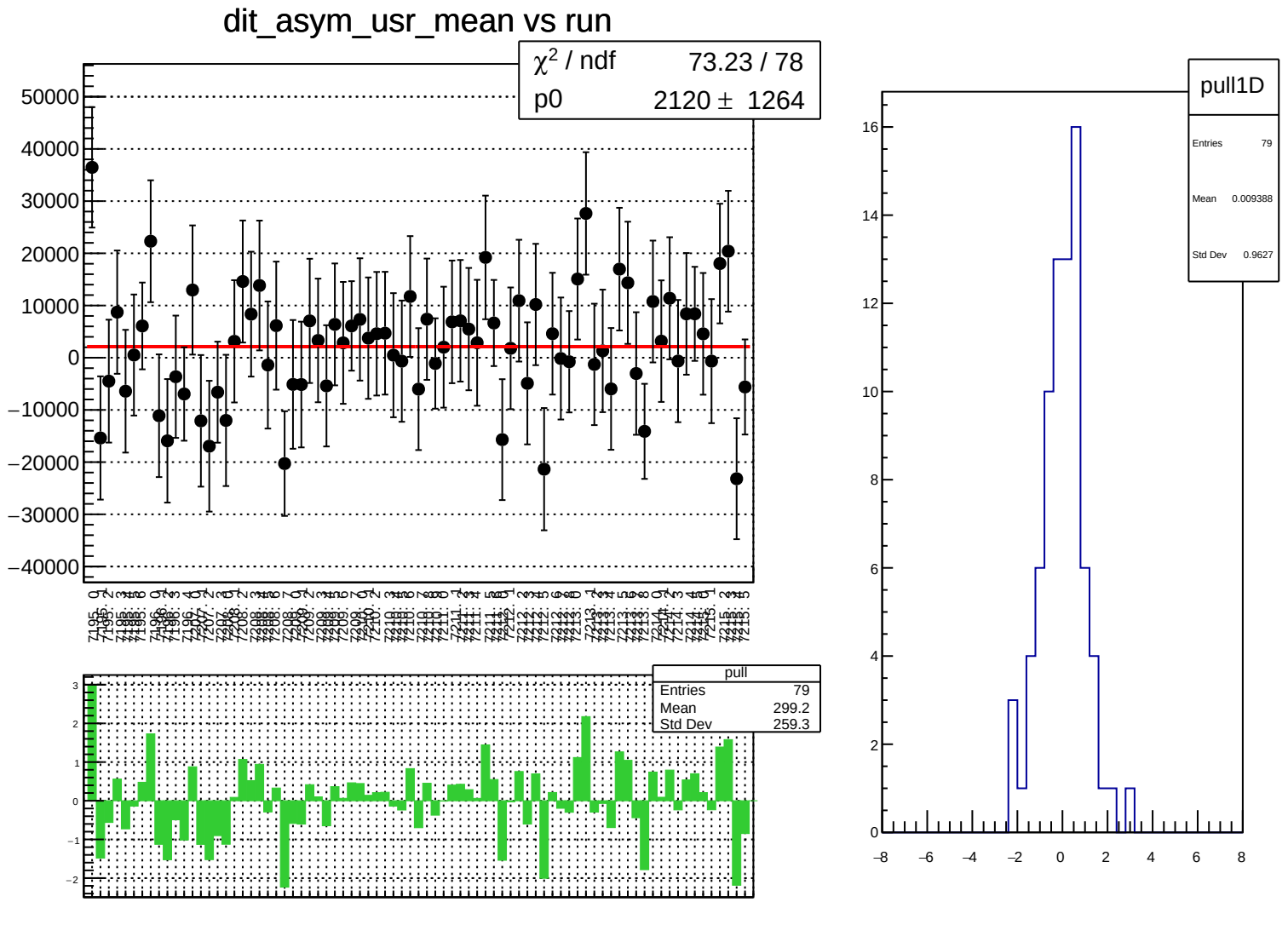

asym_usl_correction_mean vs run
χ² / ndf 67.35 / 78
p0 4695 ± 1771
pull
Entries 79
Mean −185.9
Std Dev 216.4
pull1D
Entries 79
Mean −0.01057
Std Dev 0.9232

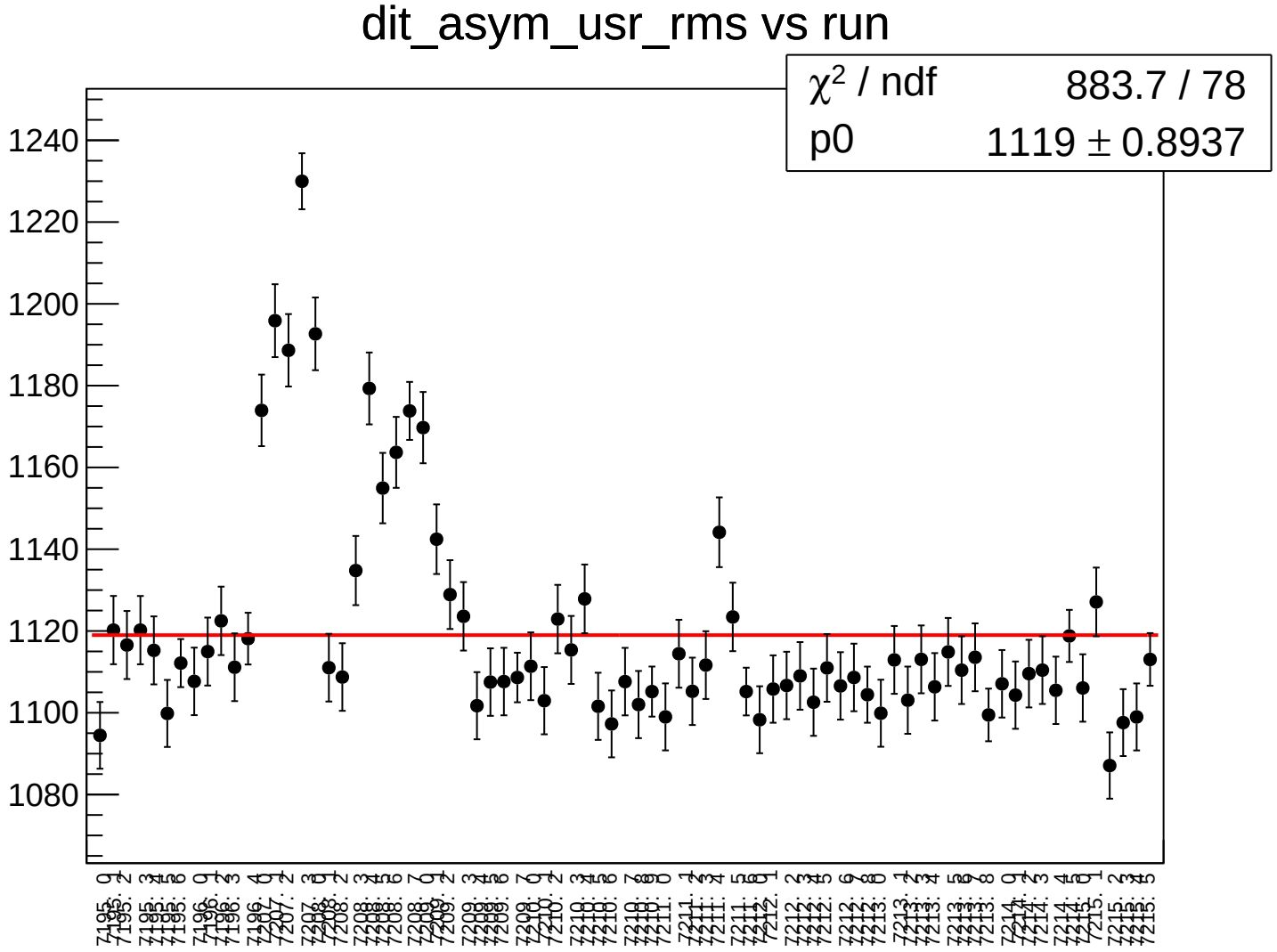

asym_usl_correction_rms vs run
χ2 / ndf 2.294e+04 / 78
p0 1557 ± 1.252
1900
1800
1700
1600
1500
1400
1300
1200

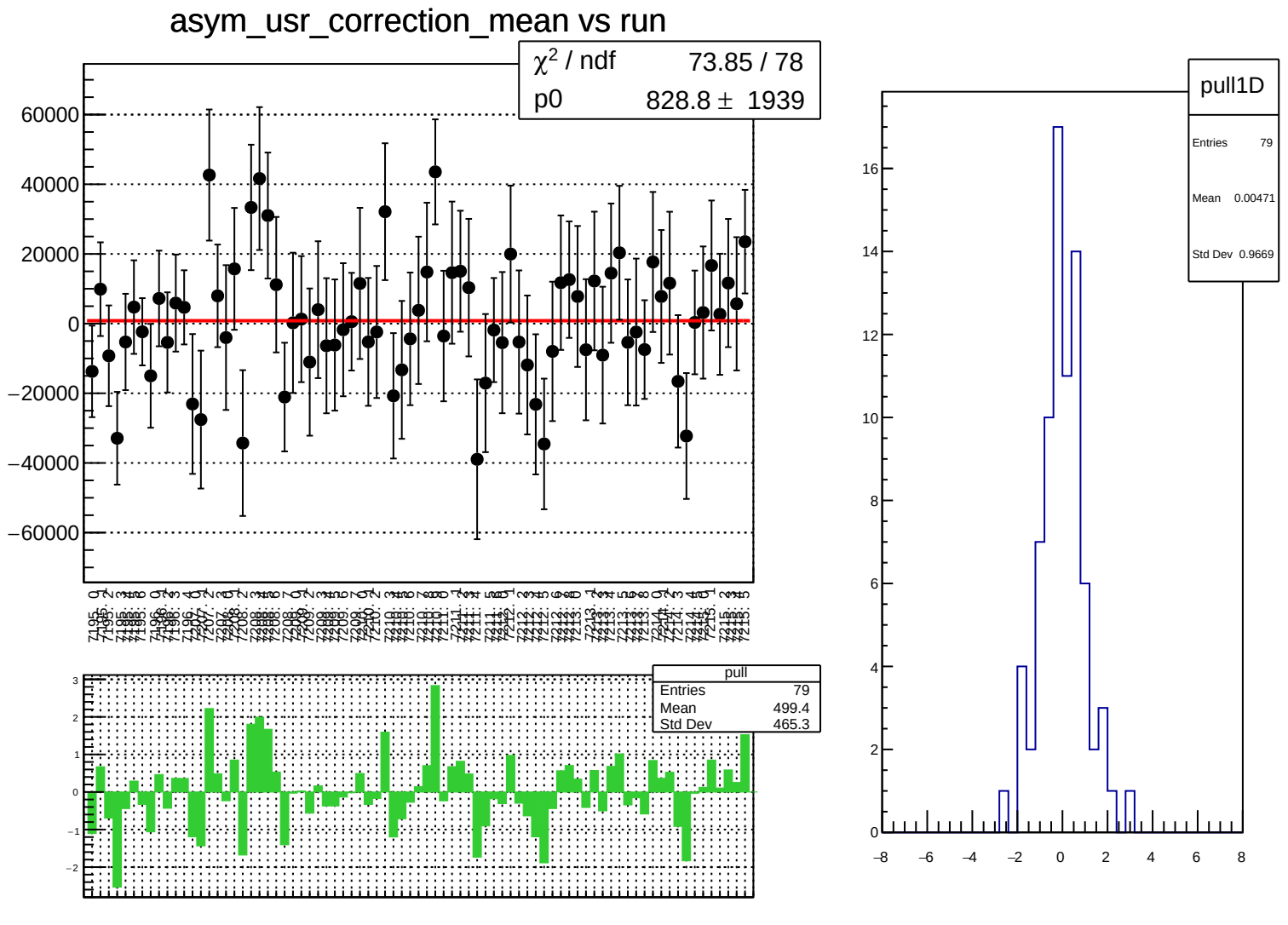

asym_usl_mean vs run
χ² / ndf 76.68 / 78
p0 −3931 ± 2182
pull
Entries 79
Mean 734.5
Std Dev 713.1
pull1D
Entries 79
Mean −0.00339
Std Dev 0.9852

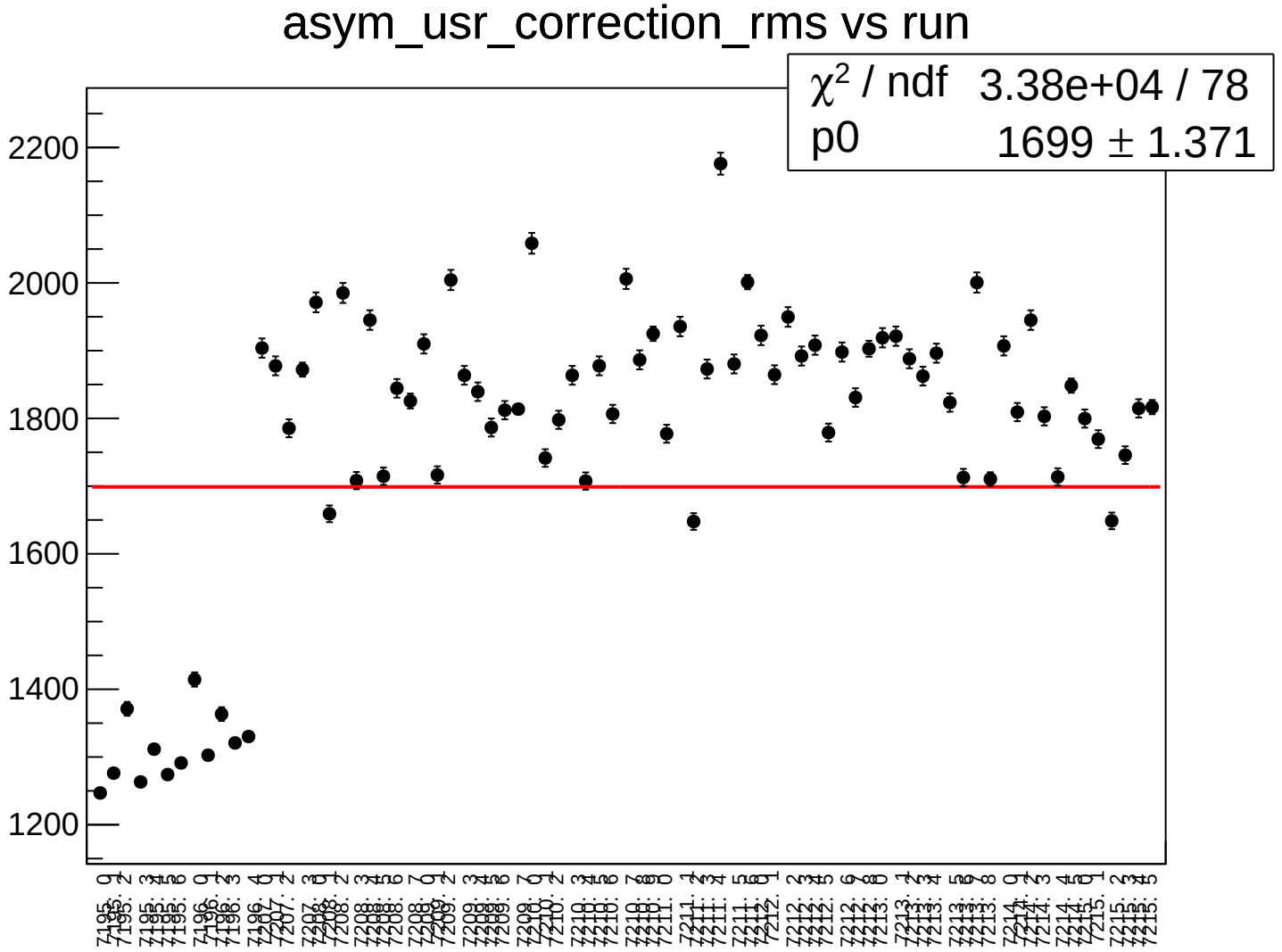
asym_usl_rms vs run

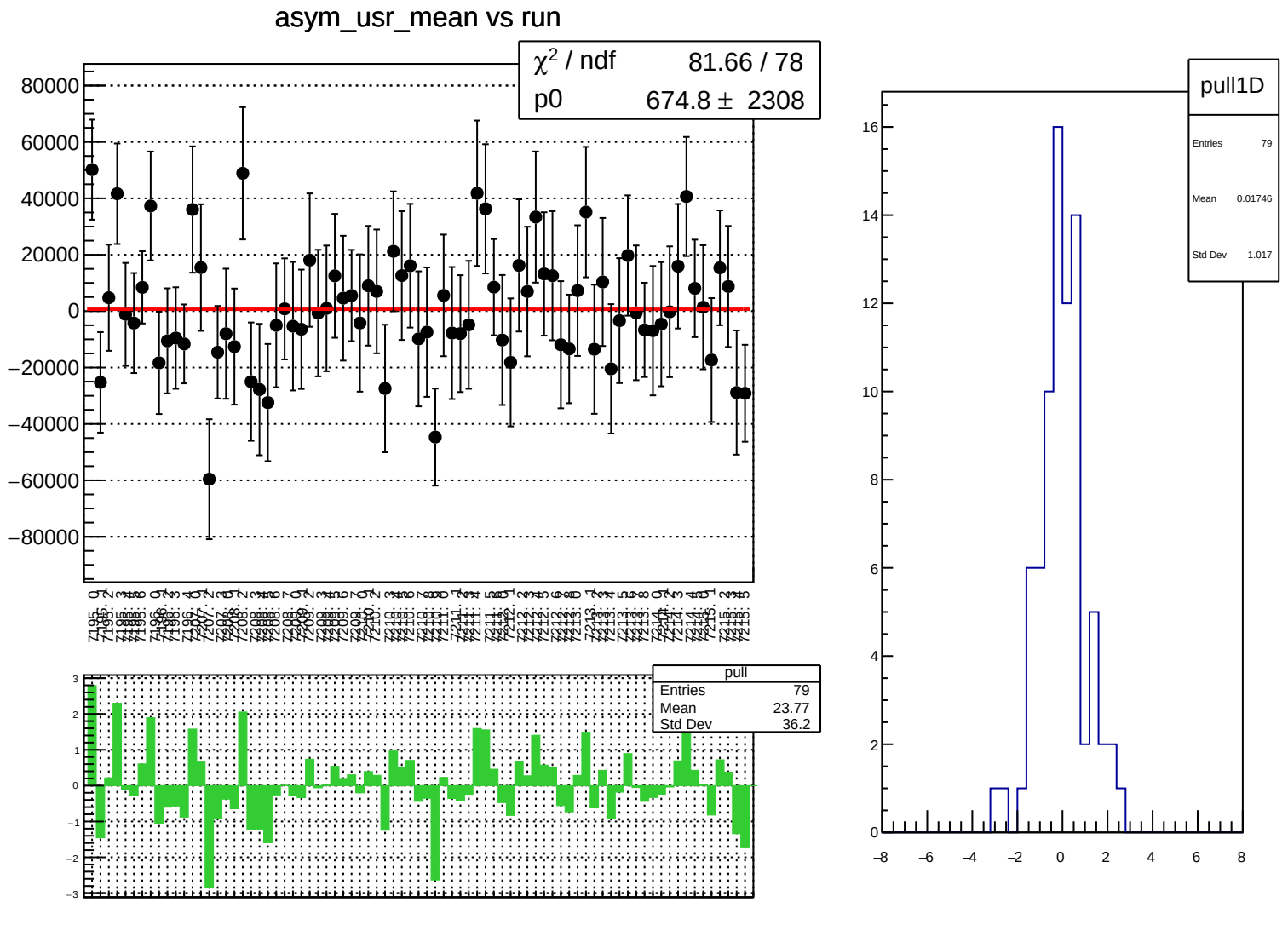


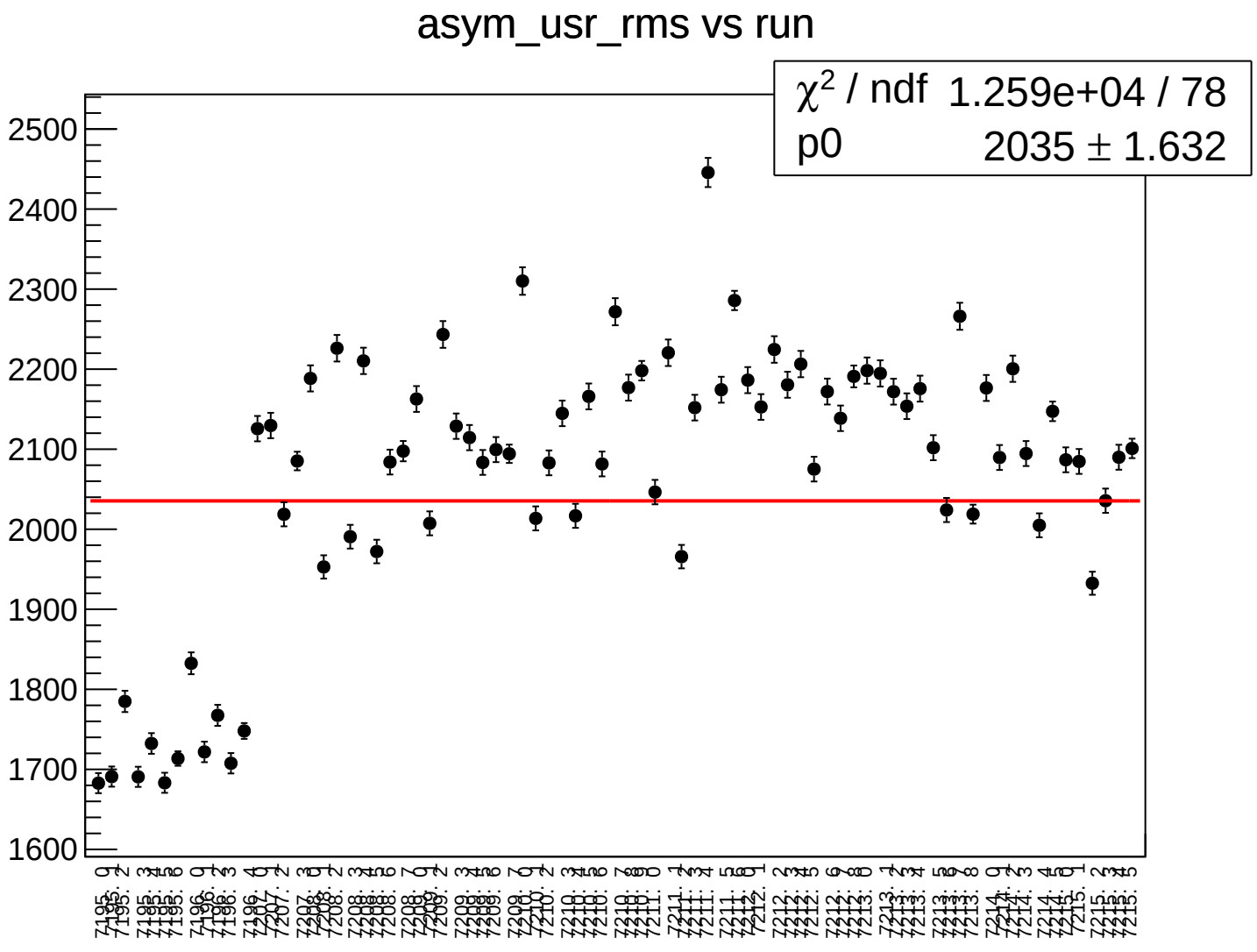

dit_asym_usr_mean vs run
χ² / ndf 73.23 / 78
p0 2120 ± 1264
pull
Entries 79
Mean 299.2
Std Dev 259.3
pull1D
Entries 79
Mean 0.009388
Std Dev 0.9627

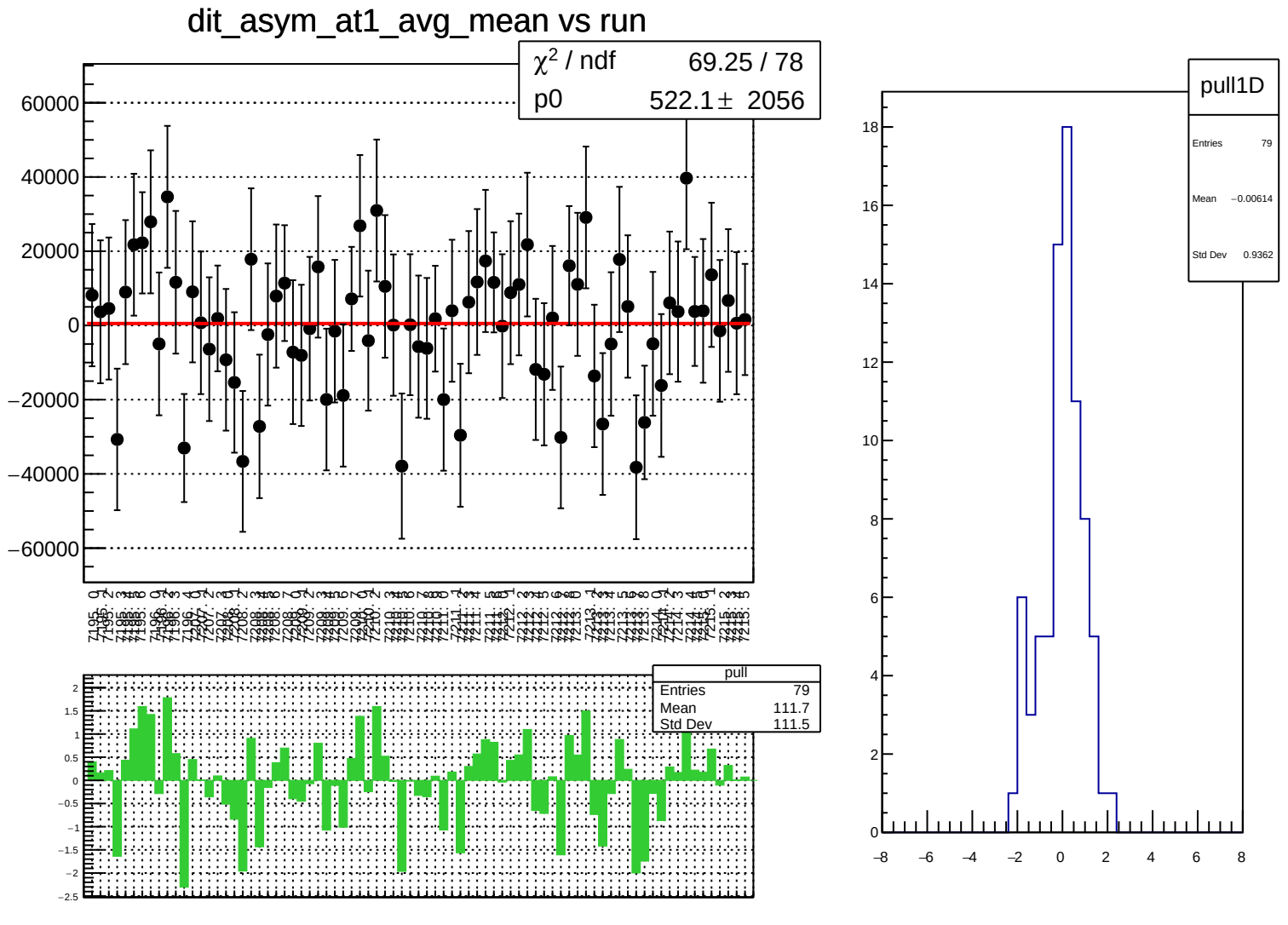

dit_asym_usr_rms vs run
χ² / ndf 883.7 / 78
p0 1119 ± 0.8937
1240
1220
1200
1180
1160
1140
1120
1100
1080

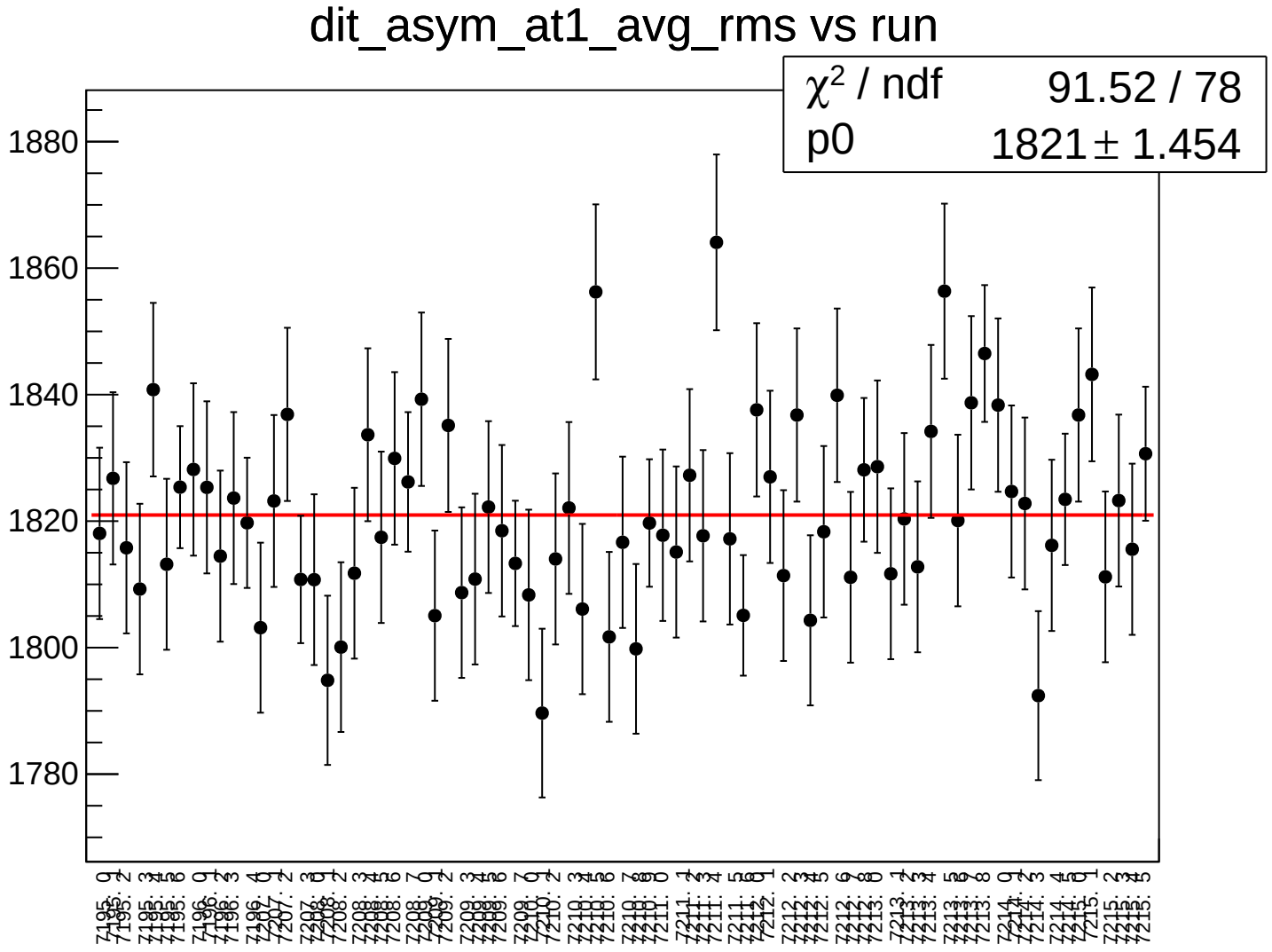

asym_usr_correction_mean vs run
χ² / ndf 73.85 / 78
p0 828.8 ± 1939
pull
Entries 79
Mean 499.4
Std Dev 465.3
pull1D
Entries 79
Mean 0.00471
Std Dev 0.9669

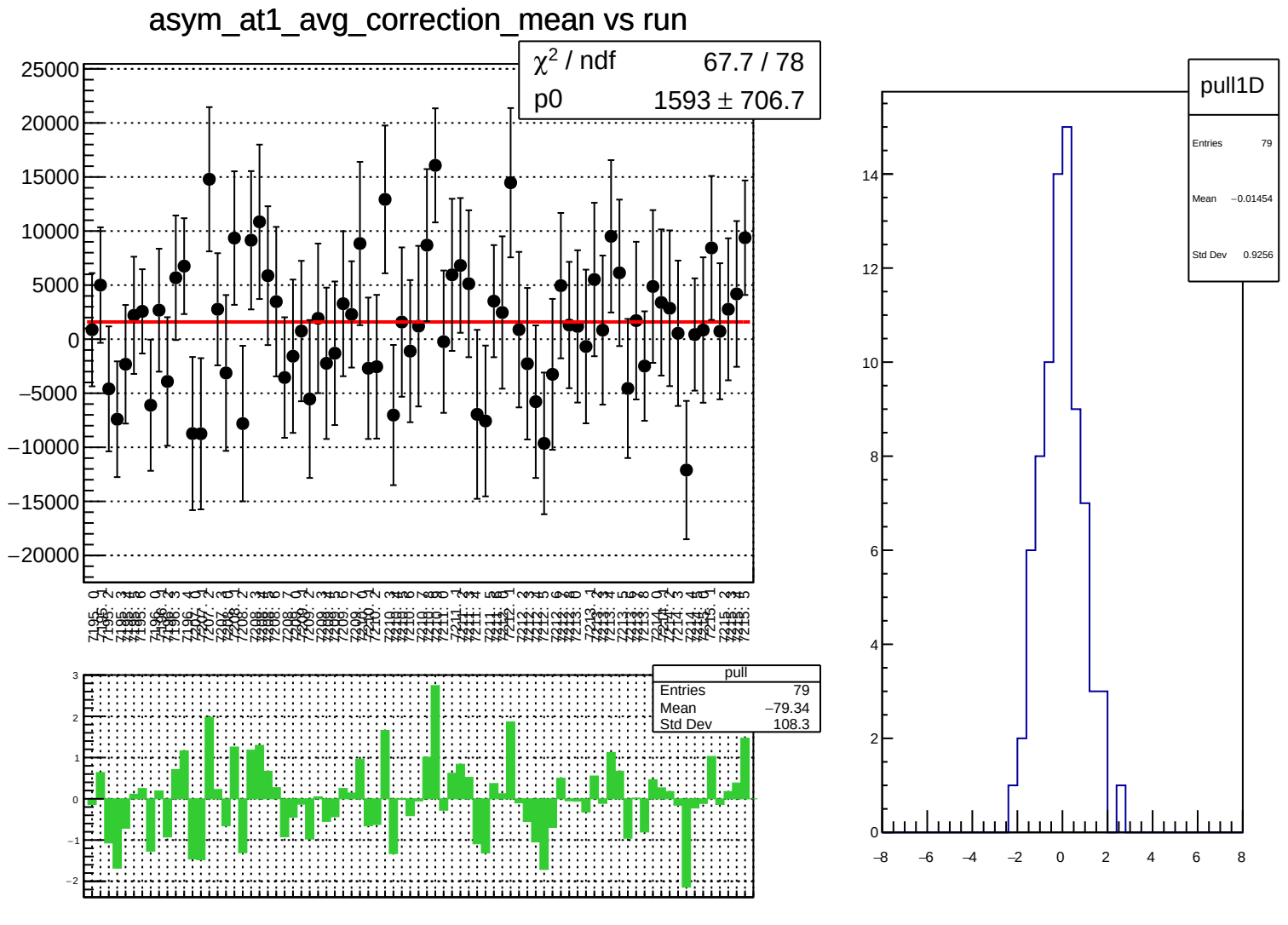

asym_usr_correction_rms vs run
χ² / ndf 3.38e+04 / 78
p0 1699 ± 1.371
2200
2000
1800
1600
1400
1200


asym_usr_mean vs run
χ² / ndf 81.66 / 78
p0 674.8 ± 2308
pull
Entries 79
Mean 23.77
Std Dev 36.2
pull1D
Entries 79
Mean 0.01746
Std Dev 1.017

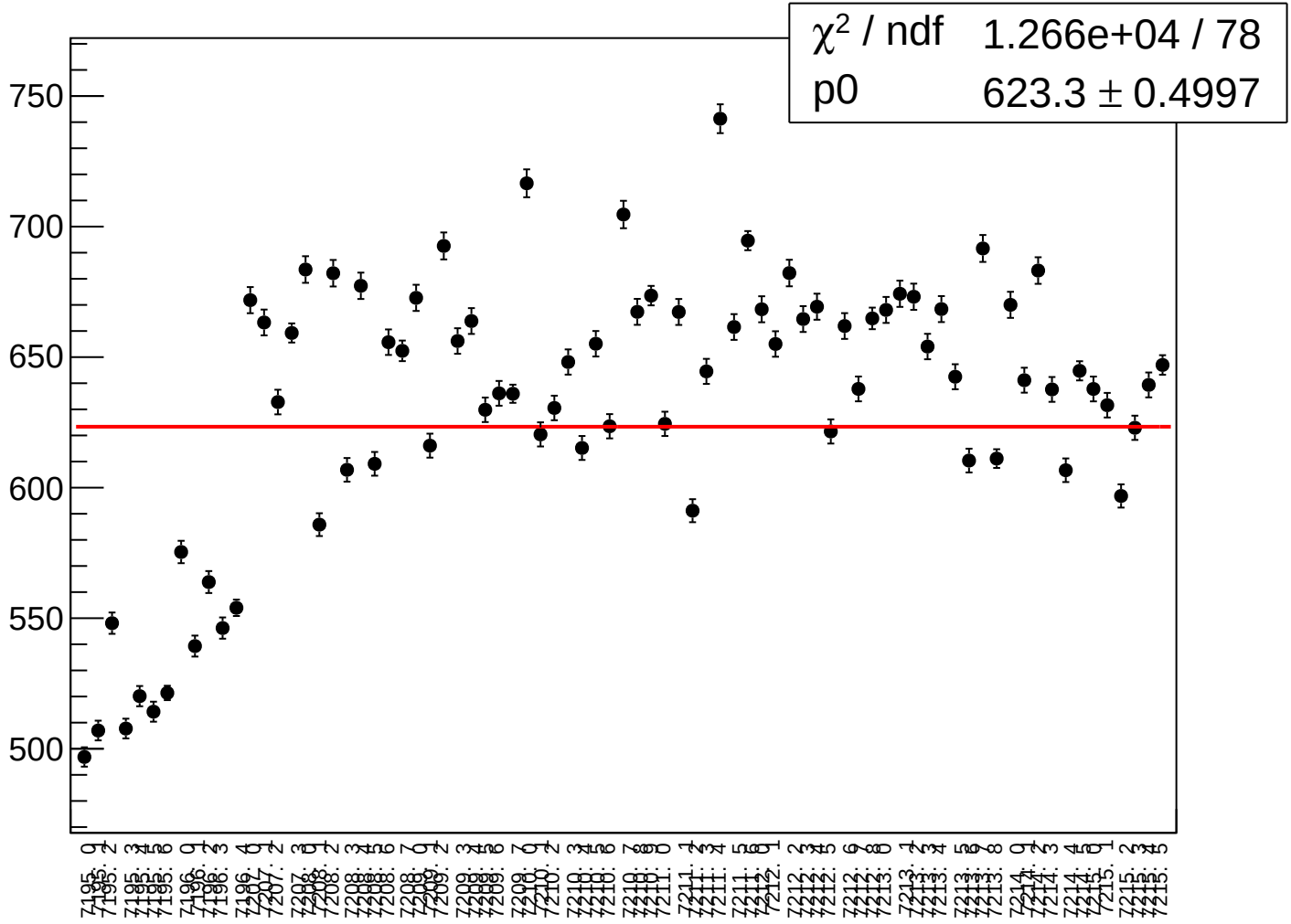

asym_usr_rms vs run
χ² / ndf 1.259e+04 / 78
p0 2035 ± 1.632
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600

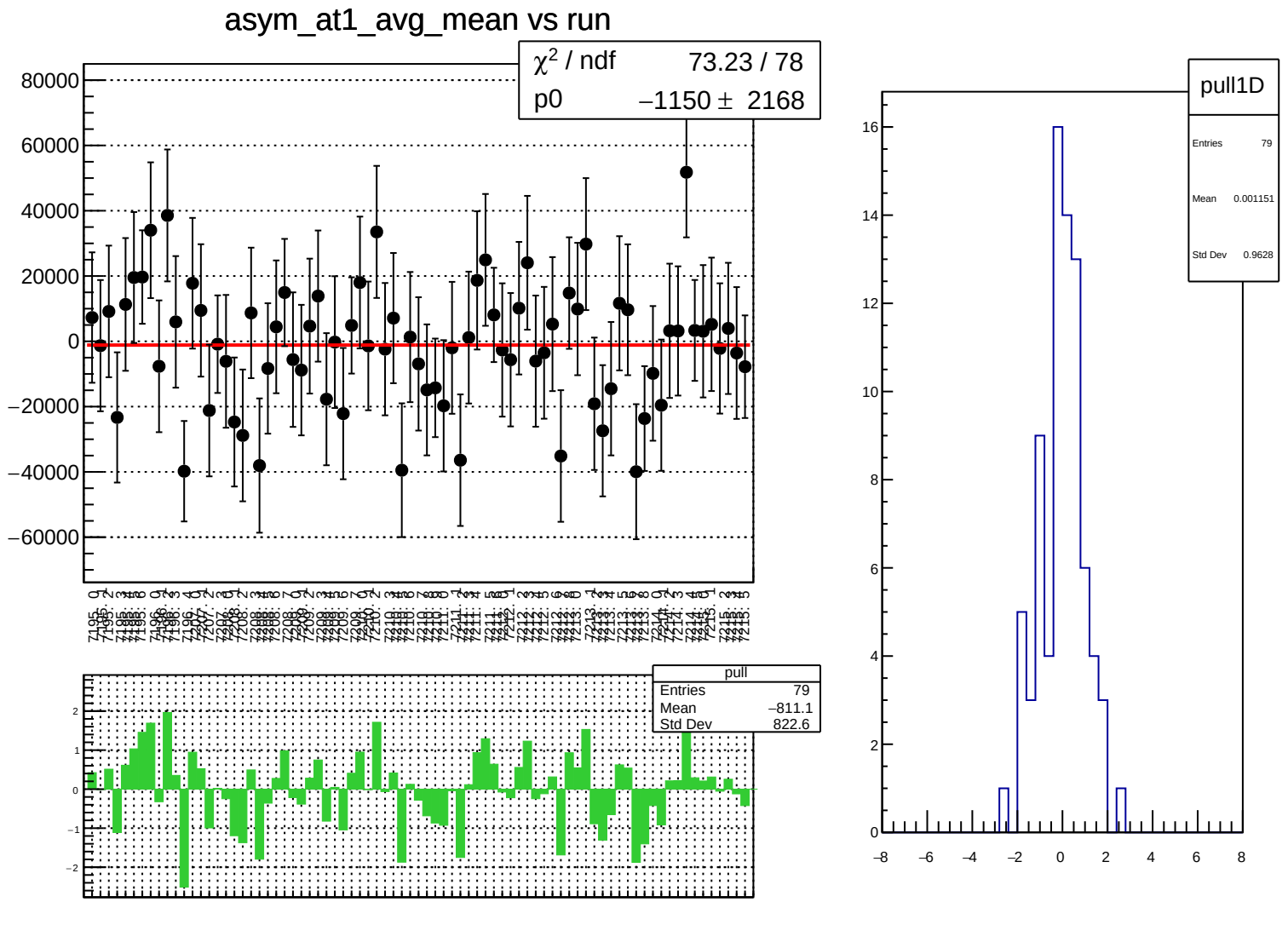

dit_asym_at1_avg_mean vs run
χ² / ndf 69.25 / 78
p0 522.1 ± 2056
pull
Entries 79
Mean 111.7
Std Dev 111.5
pull1D
Entries 79
Mean −0.00614
Std Dev 0.9362

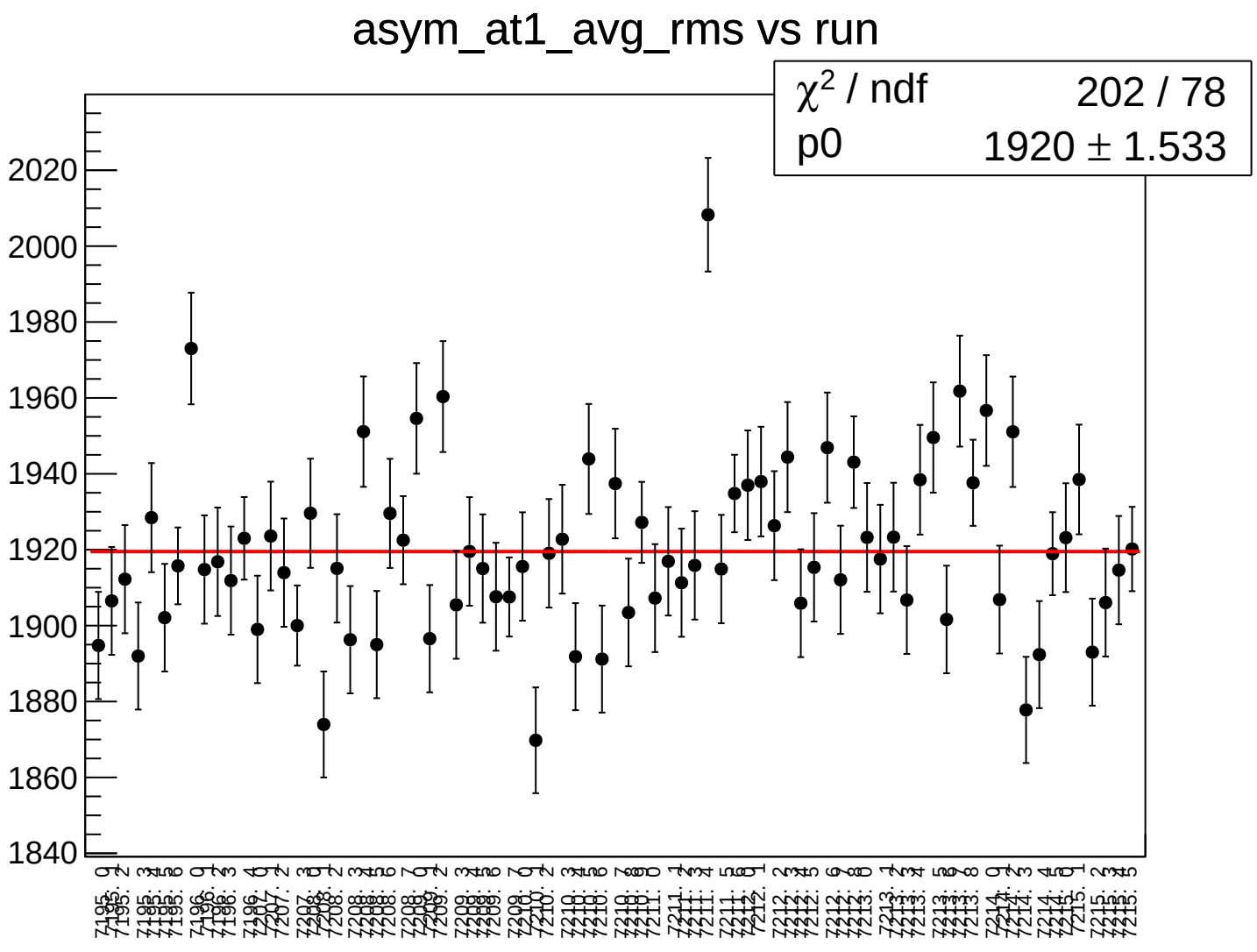

dit_asym_at1_avg_rms vs run
χ² / ndf 91.52 / 78
p0 1821 ± 1.454
1880
1860
1840
1820
1800
1780

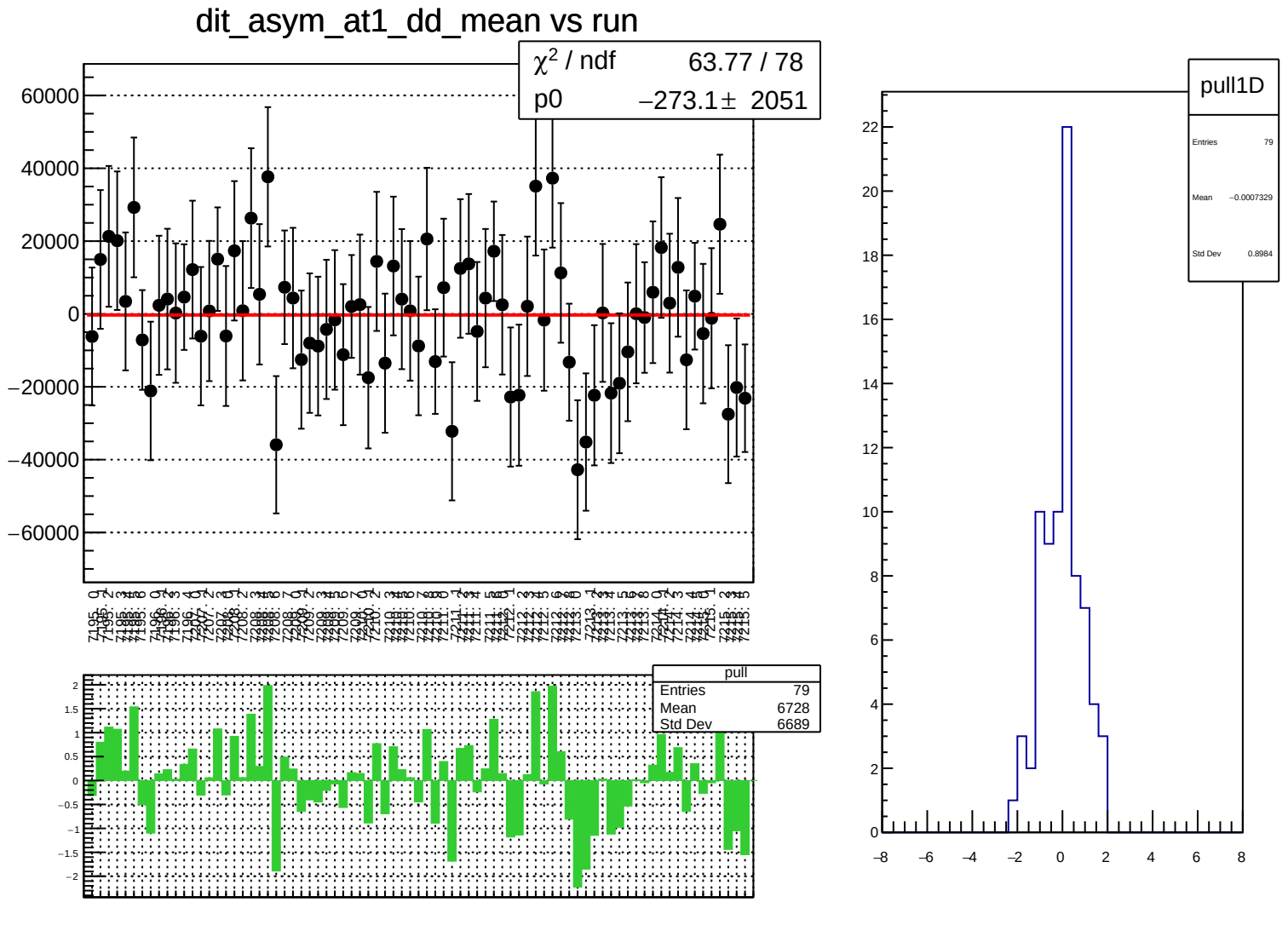

asym_at1_avg_correction_mean vs run
χ² / ndf 67.7 / 78
p0 1593 ± 706.7
pull
Entries 79
Mean −79.34
Std Dev 108.3
pull1D
Entries 79
Mean −0.01454
Std Dev 0.9256

asym_at1_avg_correction_rms vs run

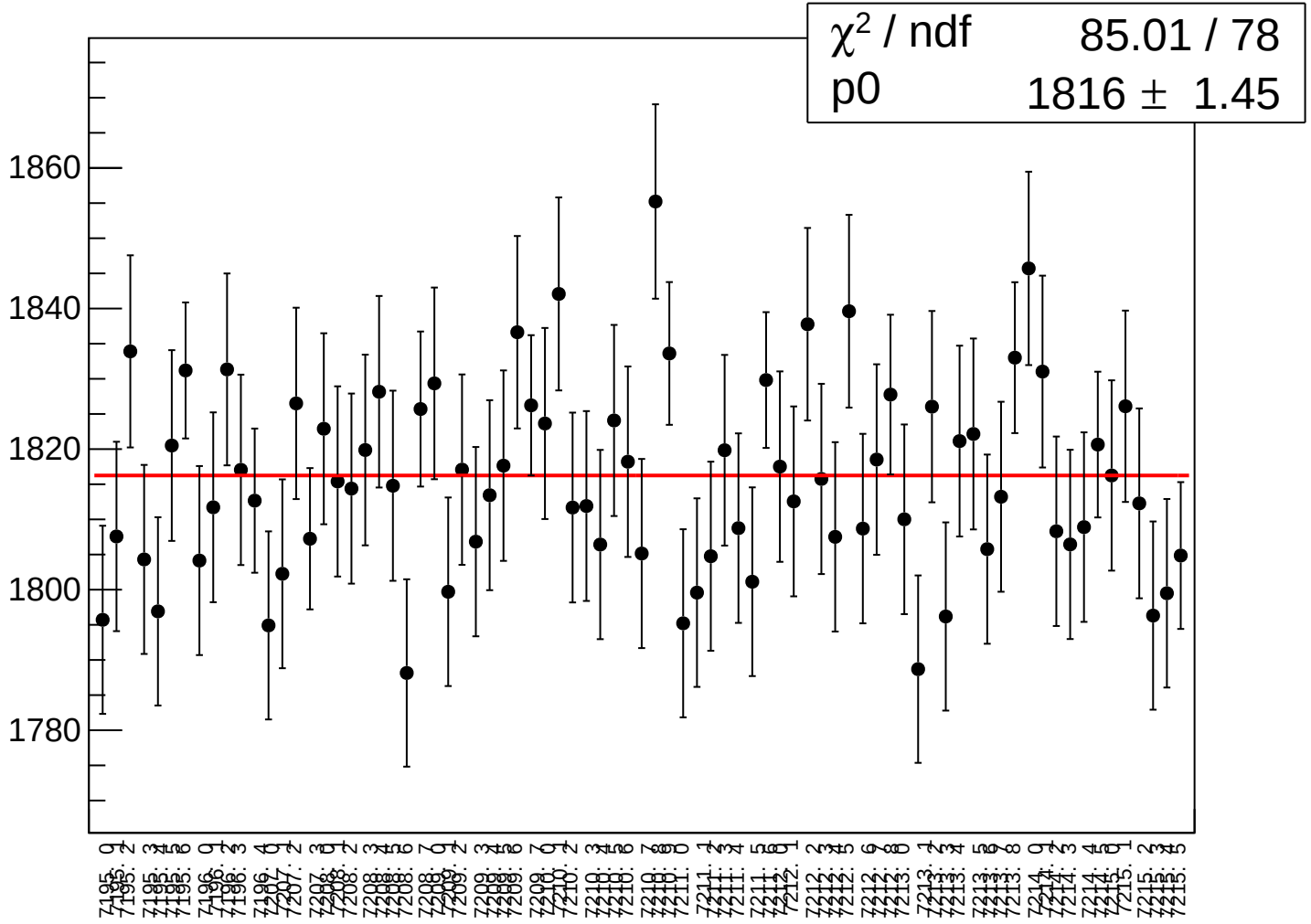


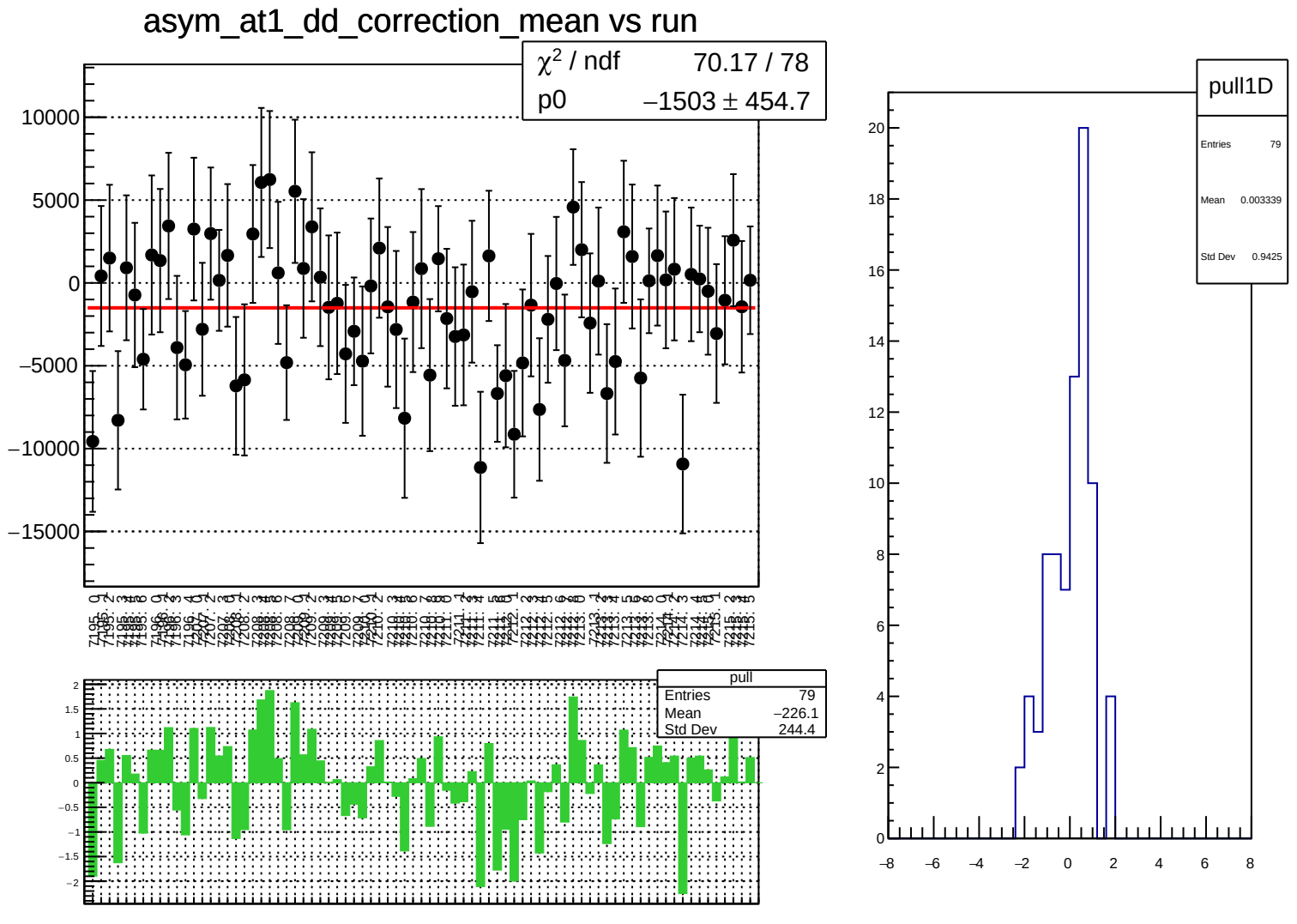

asym_at1_avg_mean vs run
χ² / ndf 73.23 / 78
p0 −1150 ± 2168
pull
Entries 79
Mean −811.1
Std Dev 822.6
pull1D
Entries 79
Mean 0.001151
Std Dev 0.9628


asym_at1_avg_rms vs run
χ² / ndf 202 / 78
p0 1920 ± 1.533
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

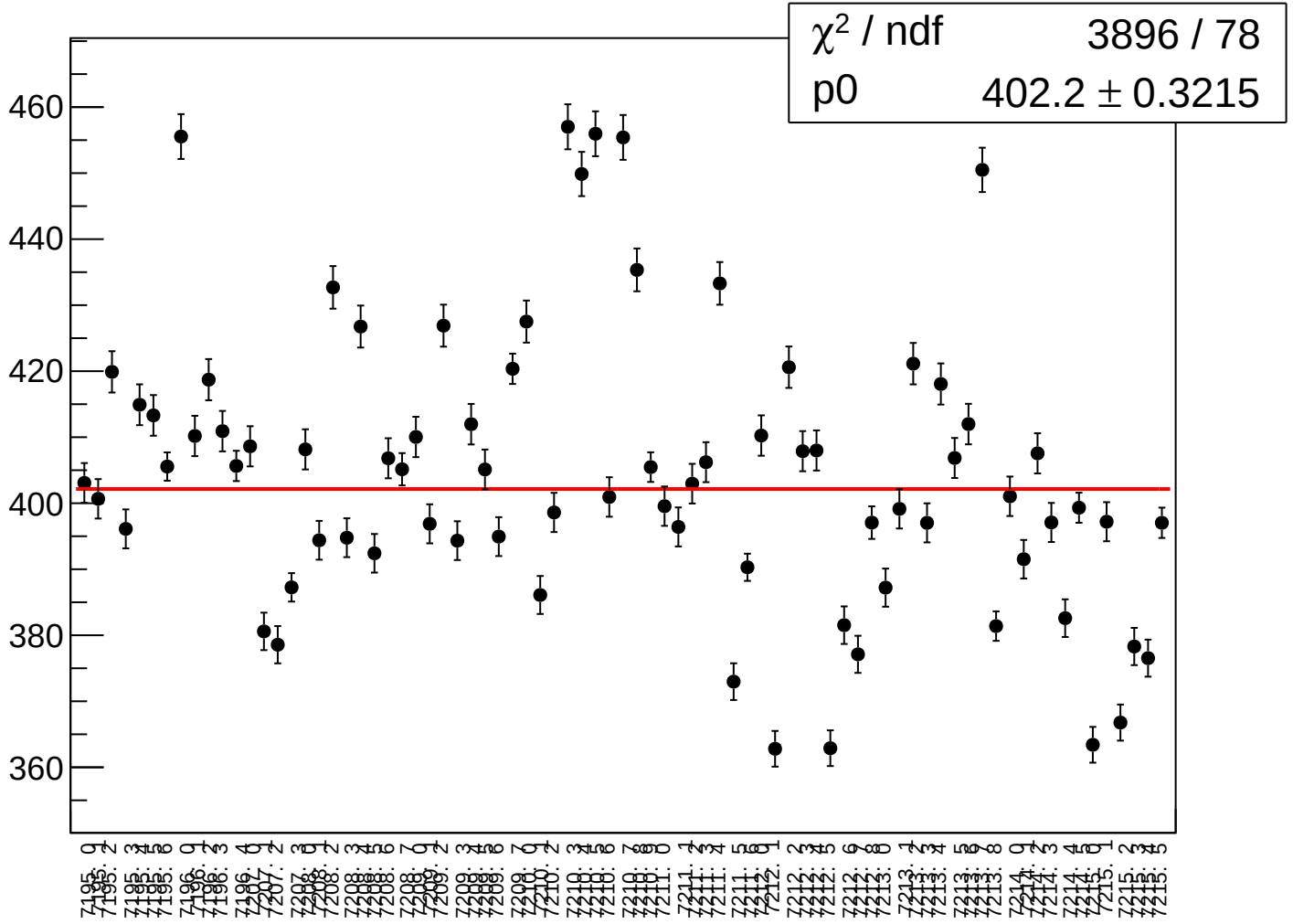

dit_asym_at1_dd_mean vs run
χ² / ndf 63.77 / 78
p0 −273.1± 2051
pull
Entries 79
Mean 6728
Std Dev 6689
pull1D
Entries 79
Mean −0.0007329
Std Dev 0.8984

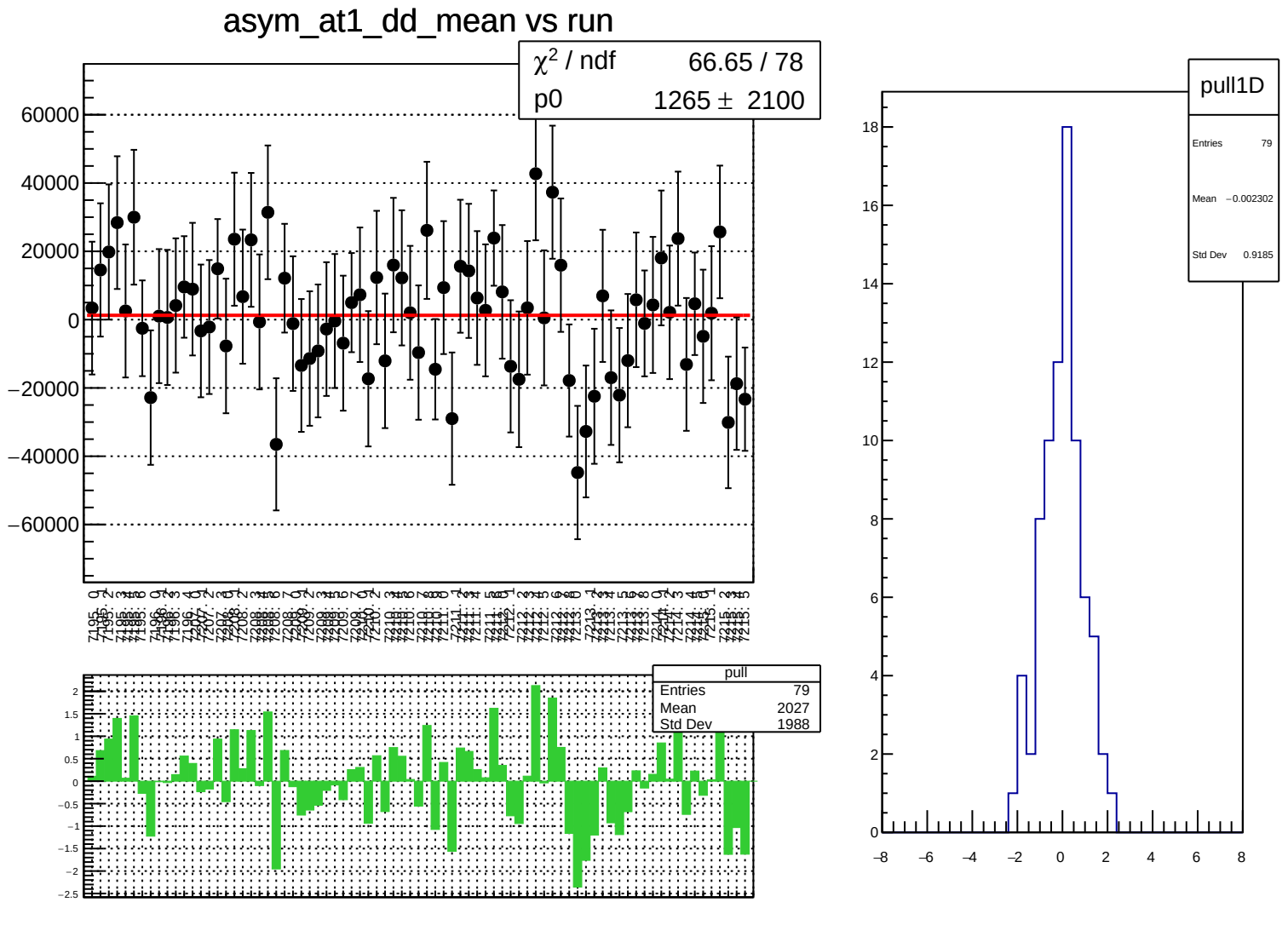
dit_asym_at1_dd_rms vs run



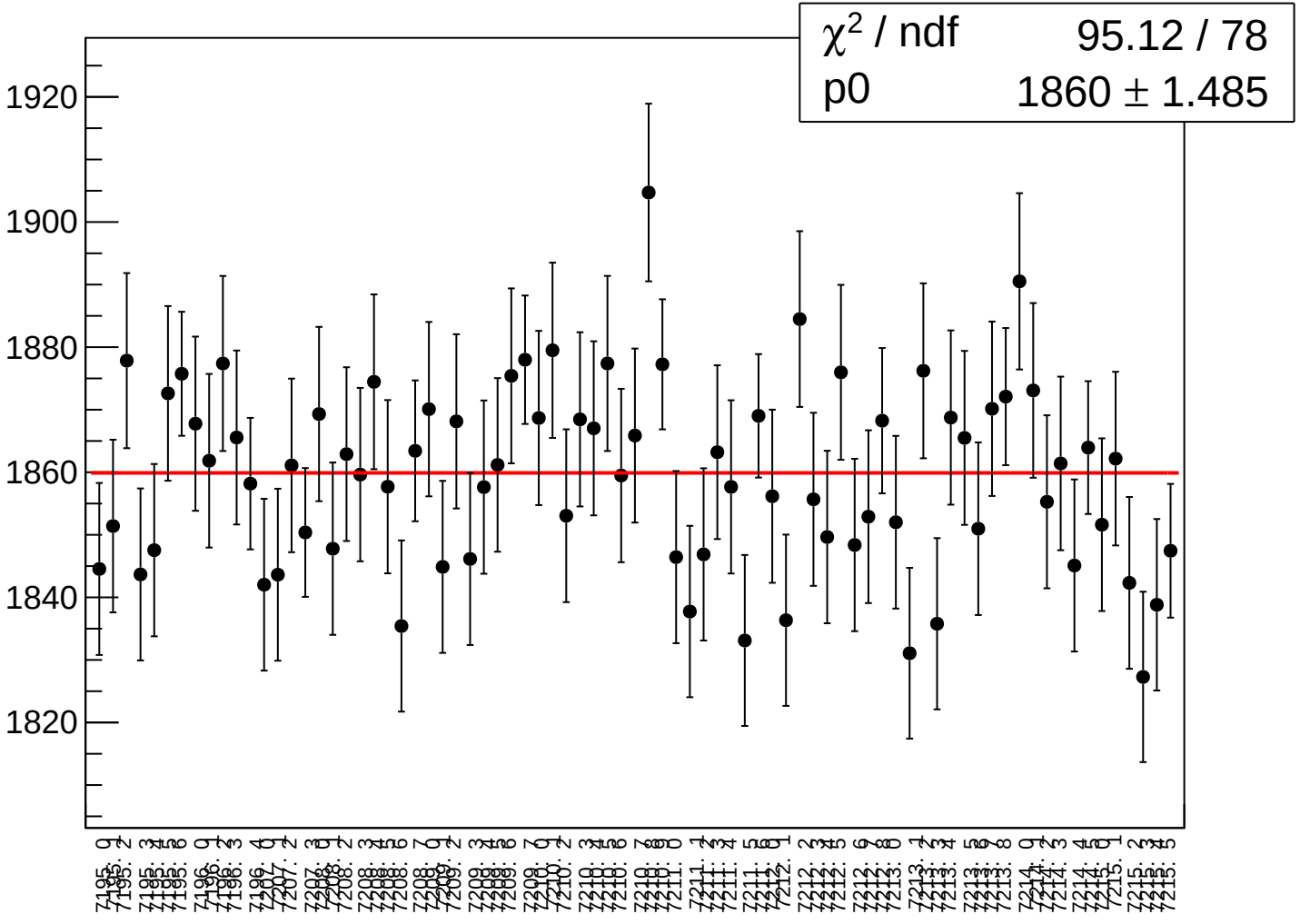

asym_at1_dd_correction_mean vs run
χ^2 / ndf 70.17 / 78
p0 −1503 ± 454.7
pull
Entries 79
Mean −226.1
Std Dev 244.4
pull1D
Entries 79
Mean 0.003339
Std Dev 0.9425

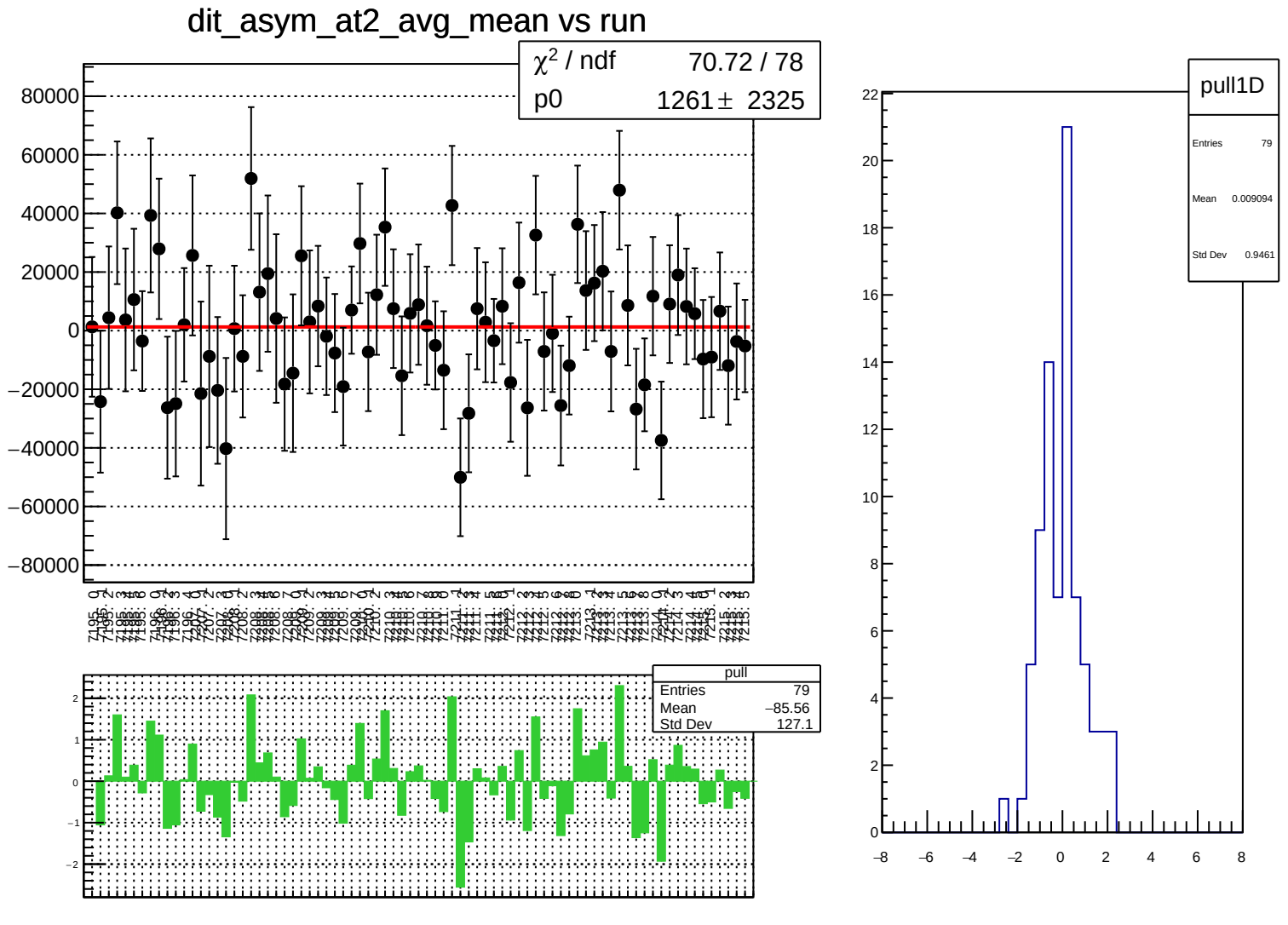
asym_at1_dd_correction_rms vs run



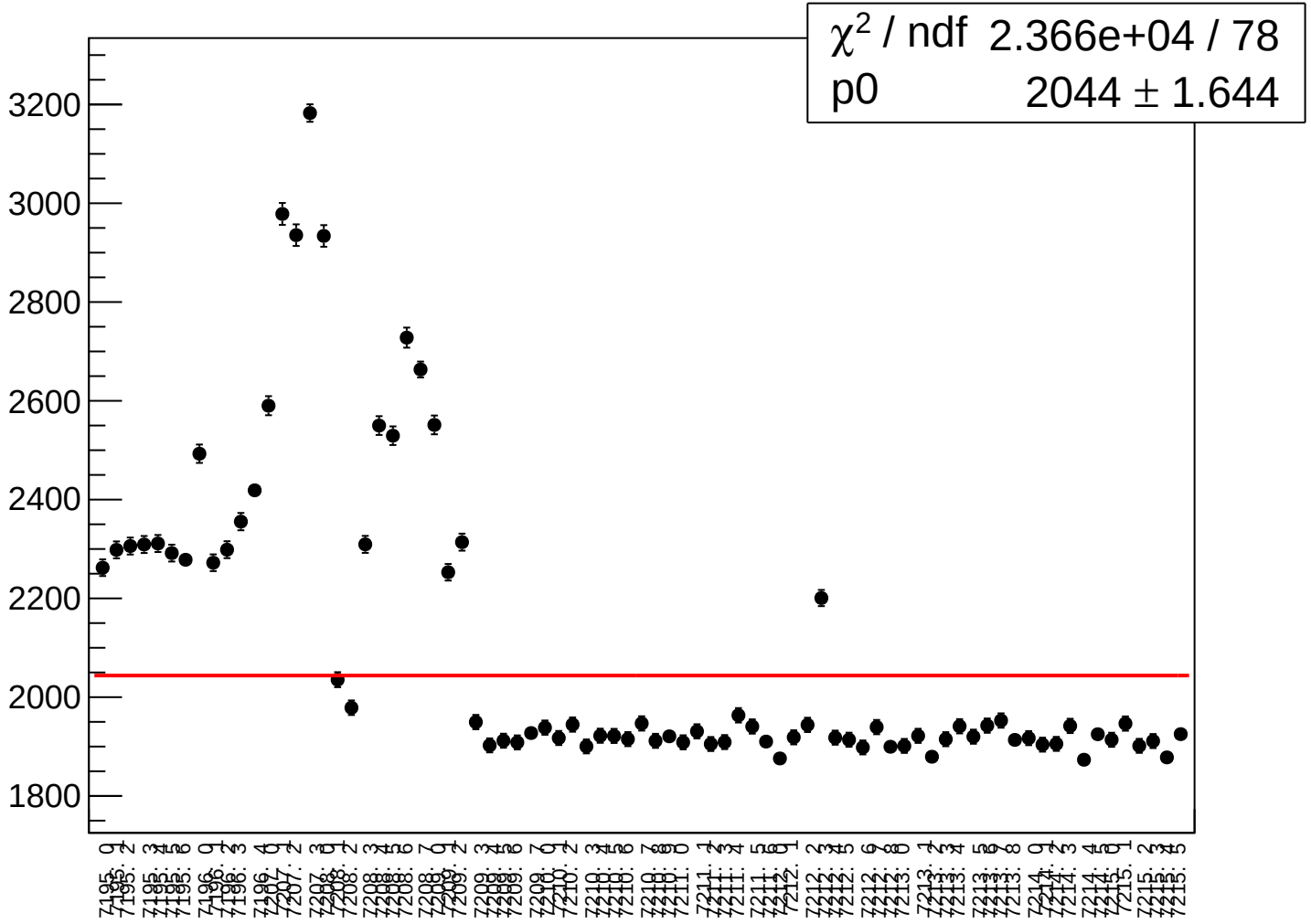

asym_at1_dd_mean vs run
χ² / ndf 66.65 / 78
p0 1265 ± 2100
pull
Entries 79
Mean 2027
Std Dev 1988
pull1D
Entries 79
Mean −0.002302
Std Dev 0.9185

asym_at1_dd_rms vs run

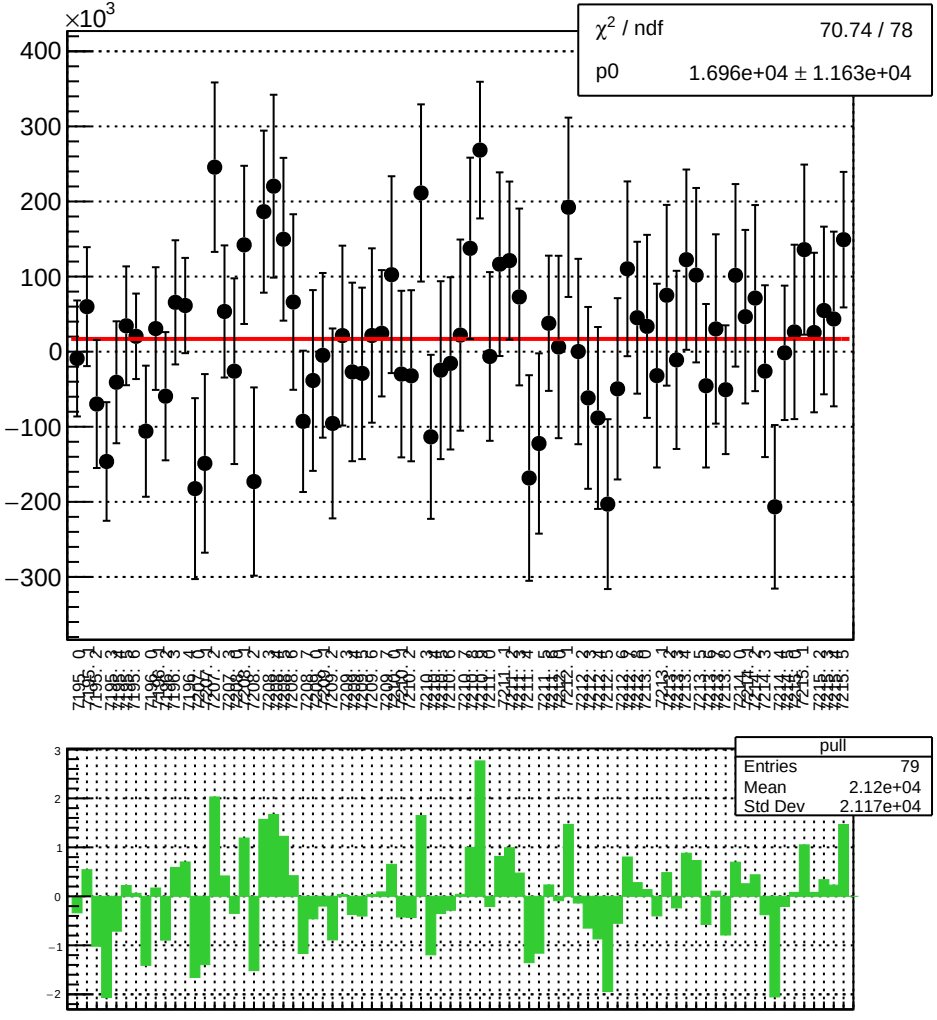


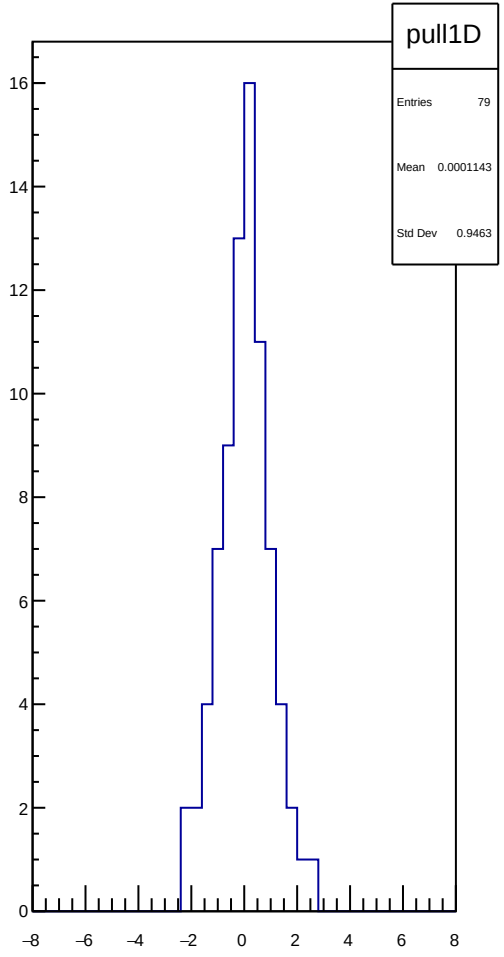

dit_asym_at2_avg_mean vs run
χ² / ndf 70.72 / 78
p0 1261 ± 2325
pull
Entries 79
Mean −85.56
Std Dev 127.1
pull1D
Entries 79
Mean 0.009094
Std Dev 0.9461

dit_asym_at2_avg_rms vs run

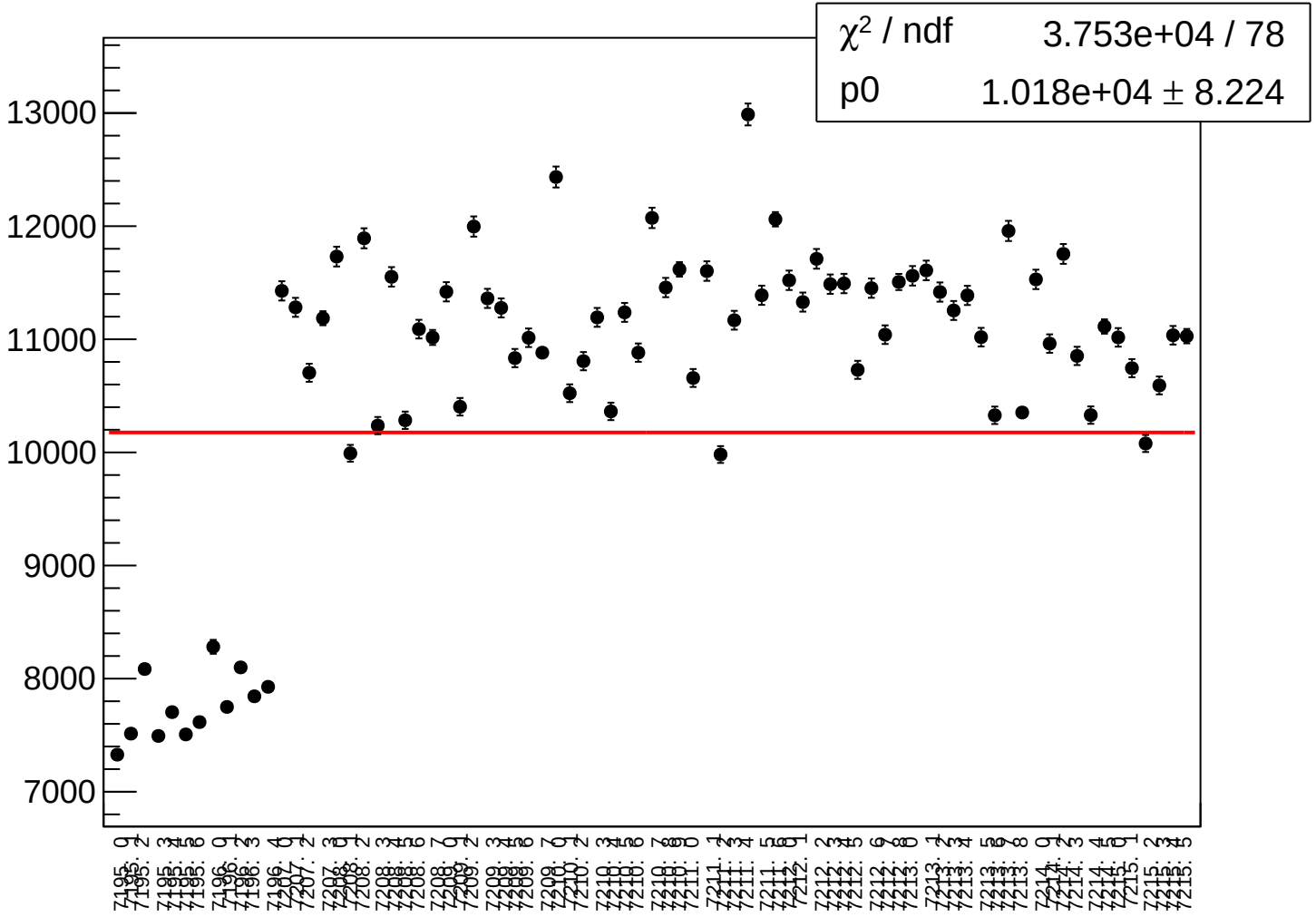


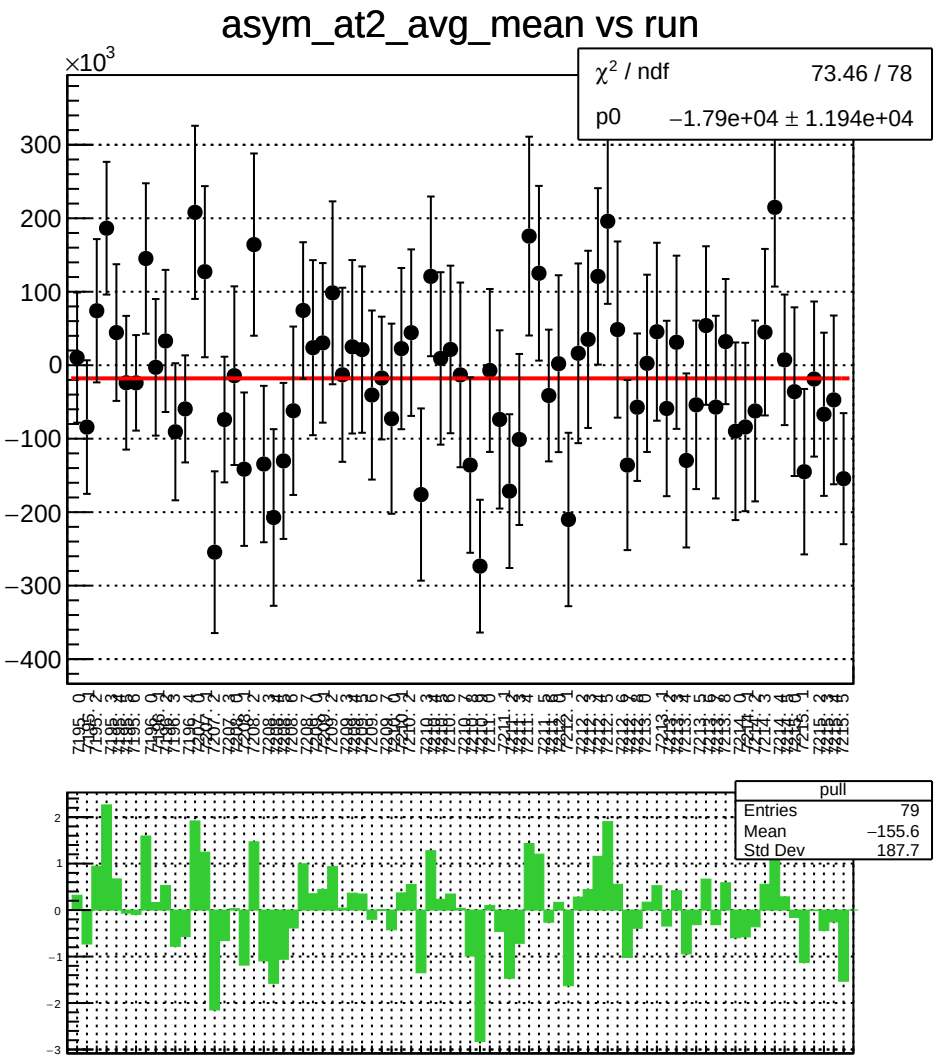
asym_at2_avg_correction_mean vs run

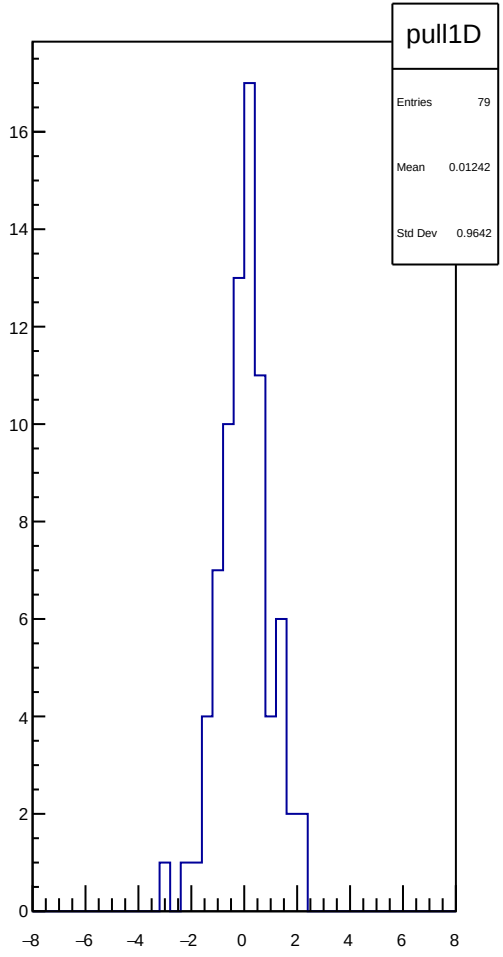


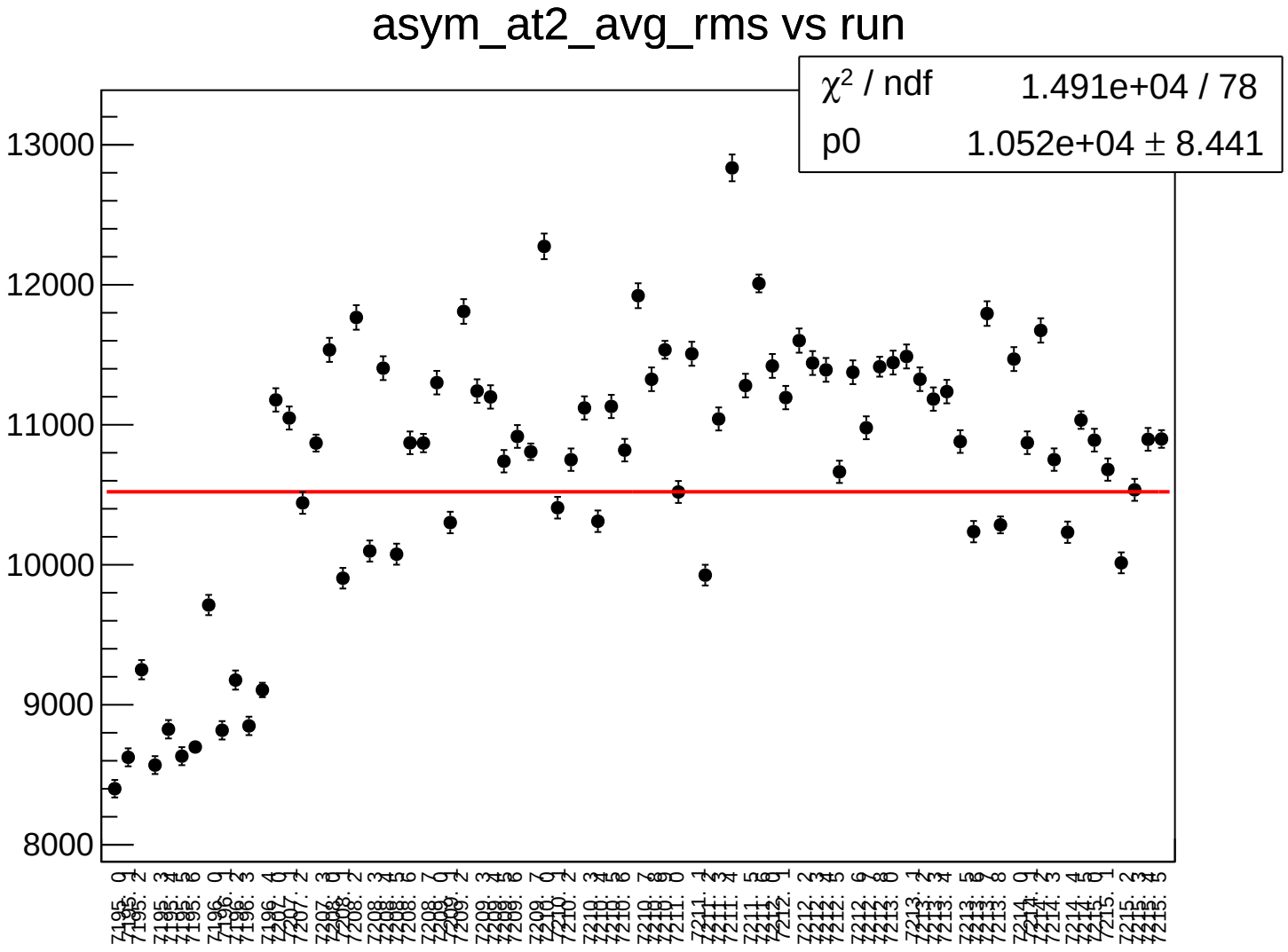


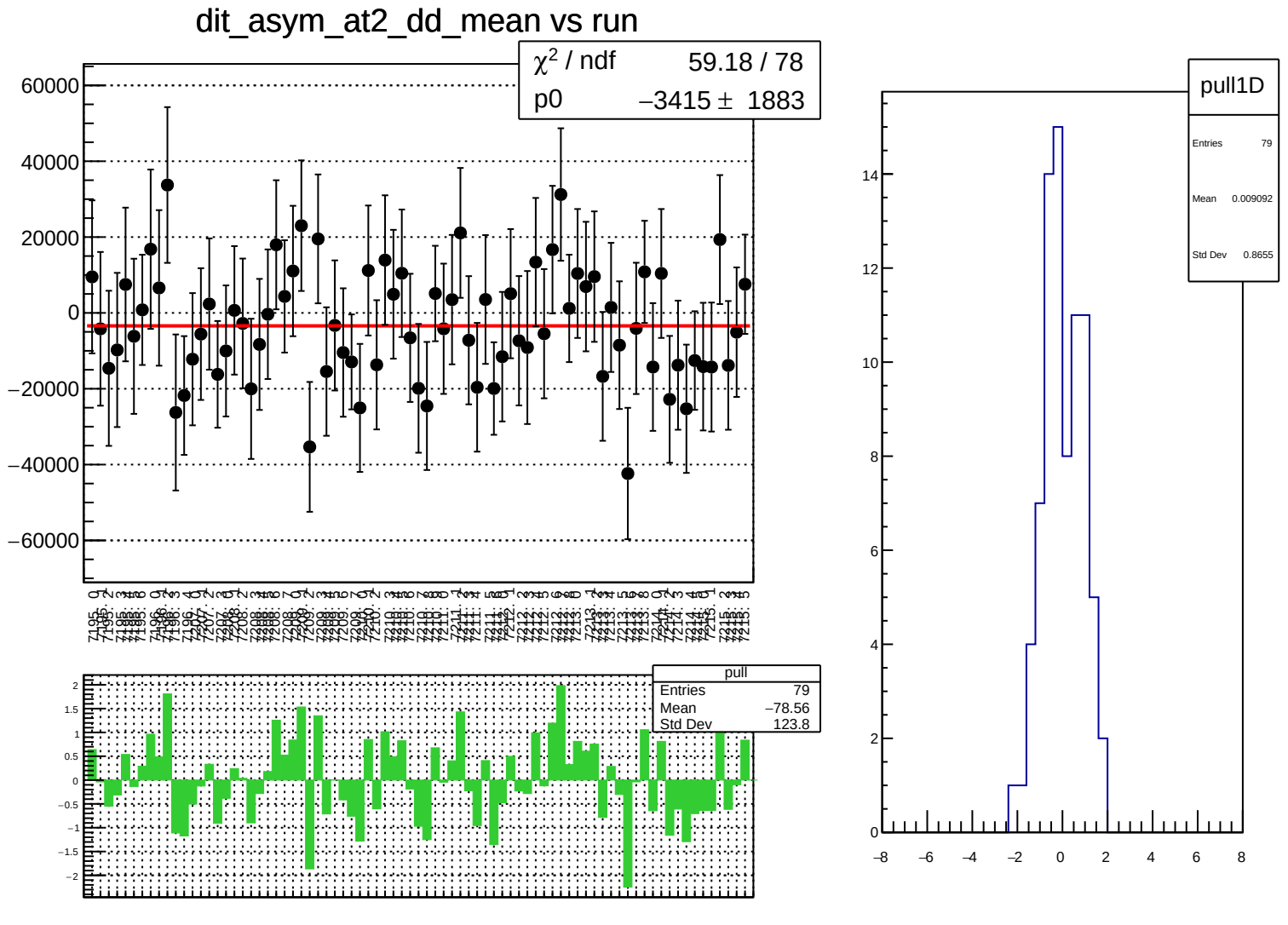
asym_at2_avg_correction_rms vs run



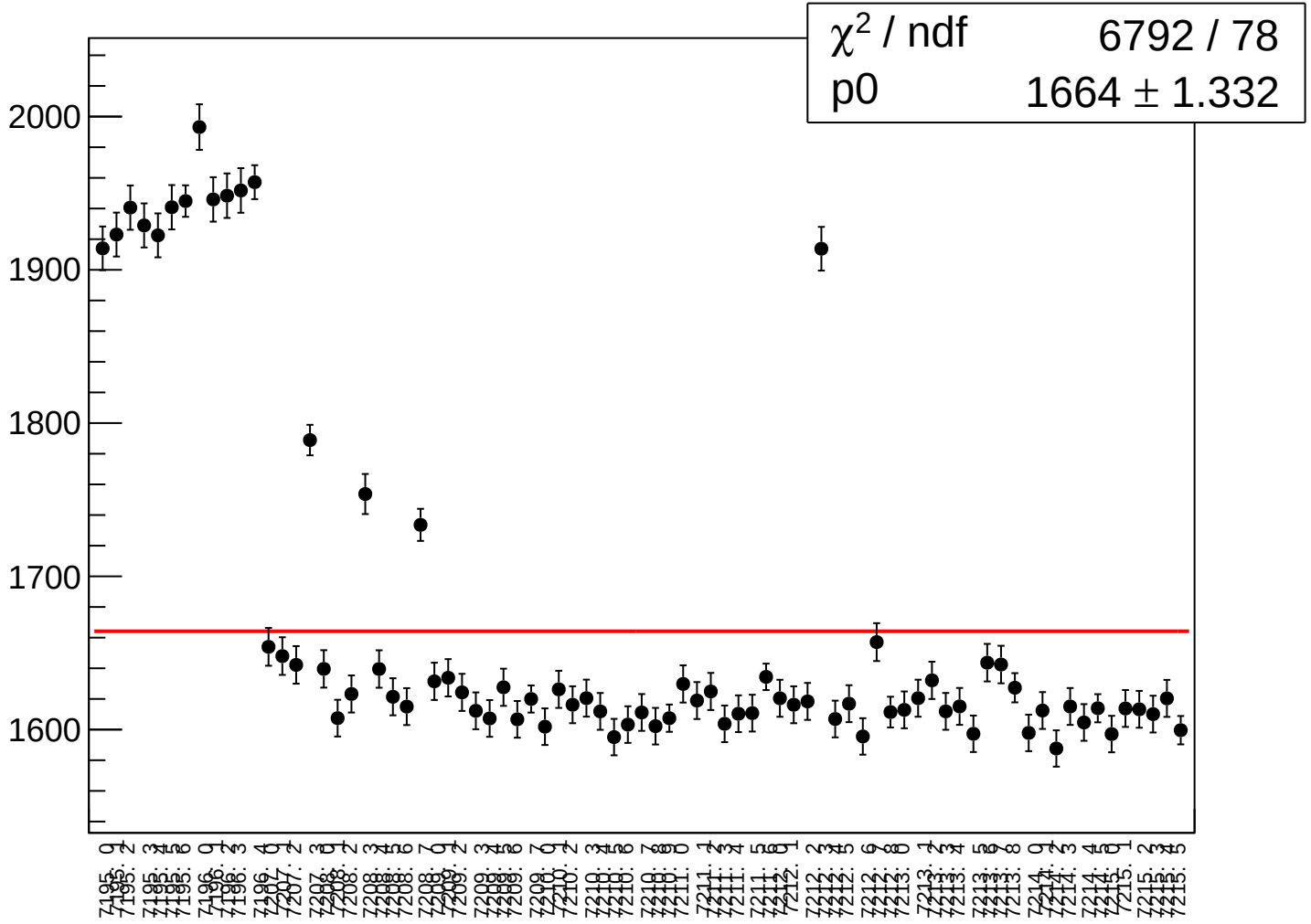

asym_at2_avg_mean vs run
×10^3
χ² / ndf 73.46 / 78
p0 −1.79e+04 ± 1.194e+04
pull
Entries 79
Mean −155.6
Std Dev 187.7

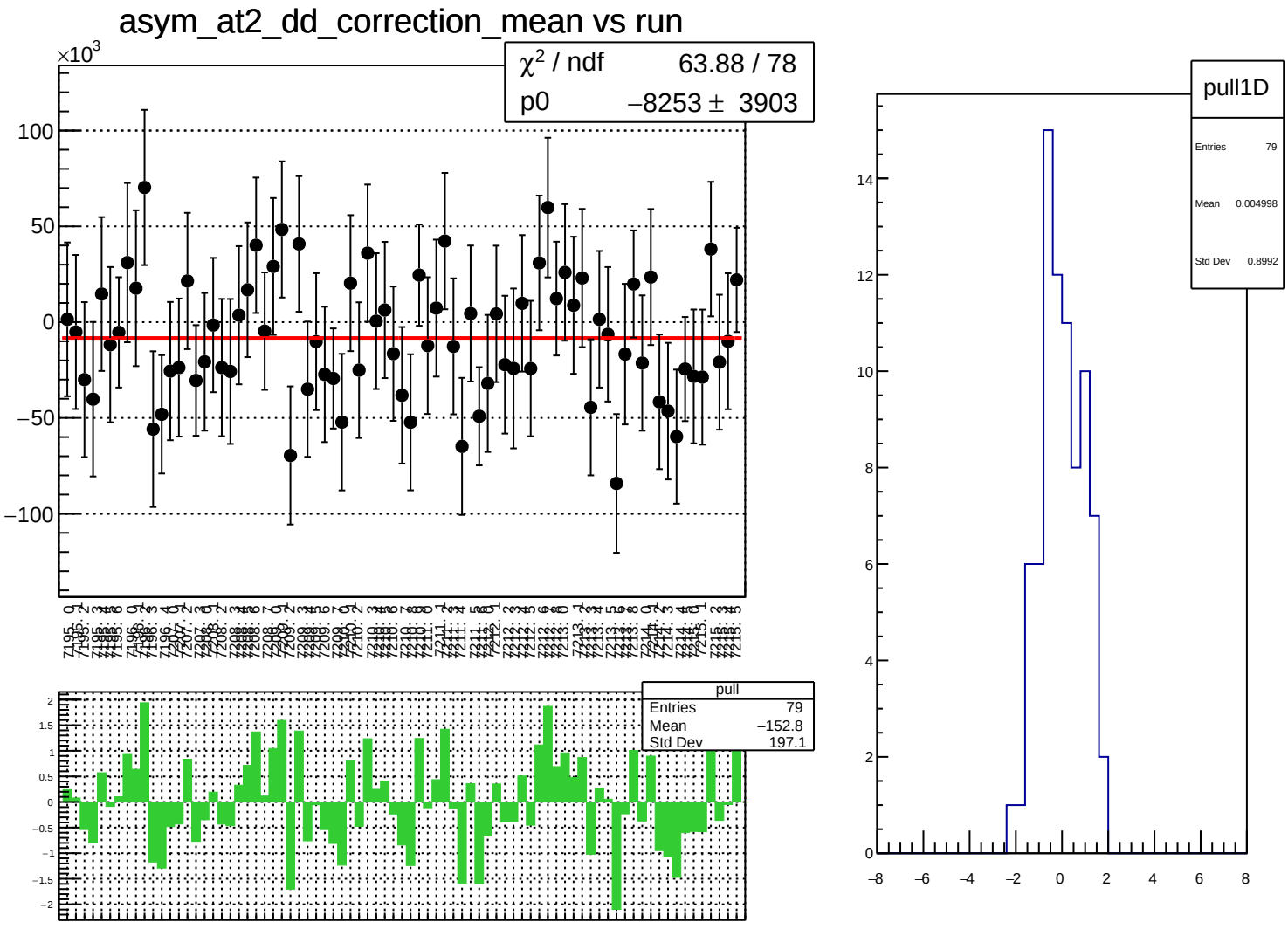

pull1D
Entries 79
Mean 0.01242
Std Dev 0.9642

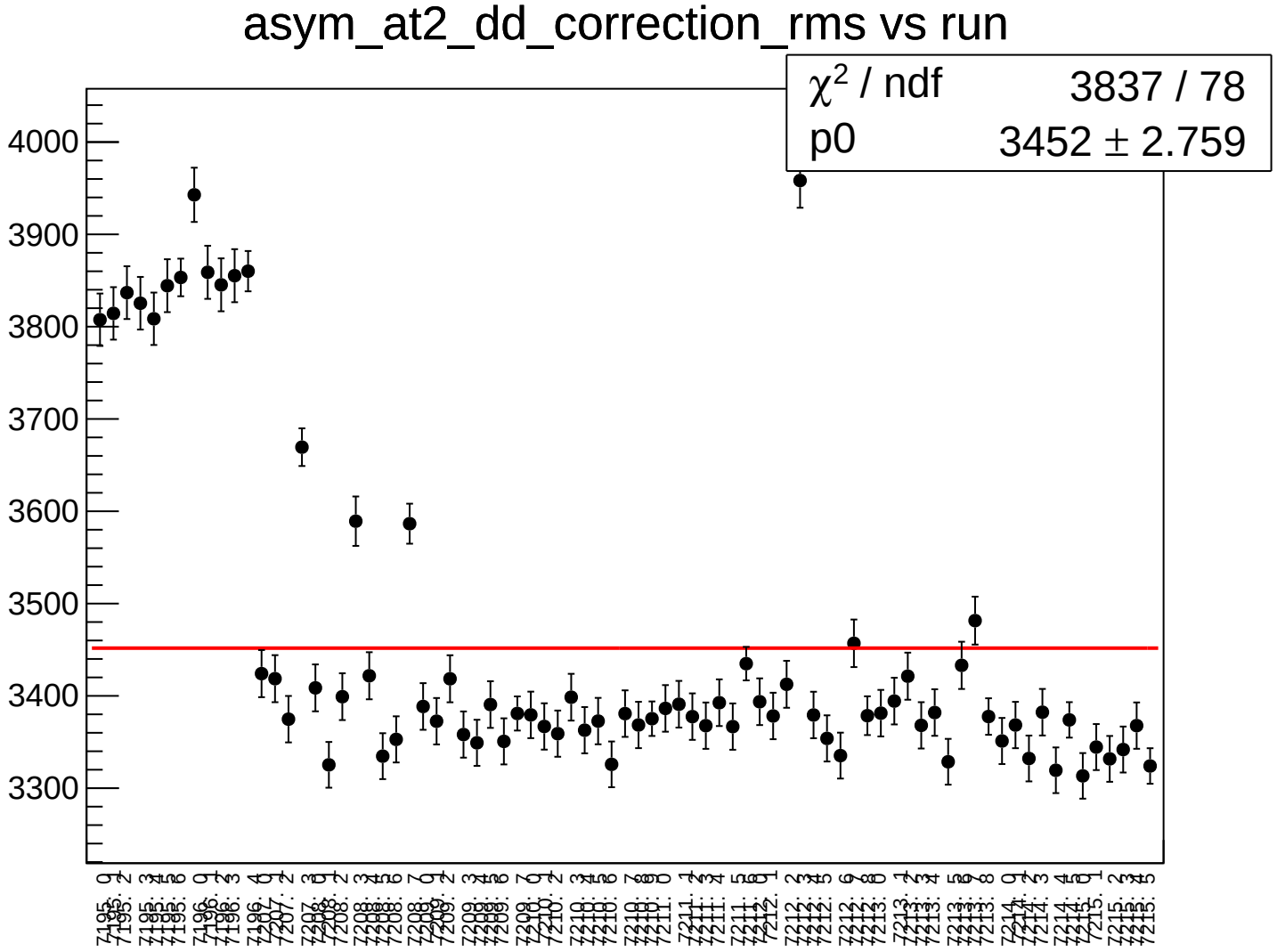

asym_at2_avg_rms vs run
χ2 / ndf 1.491e+04 / 78
p0 1.052e+04 ± 8.441
13000
12000
11000
10000
9000
8000

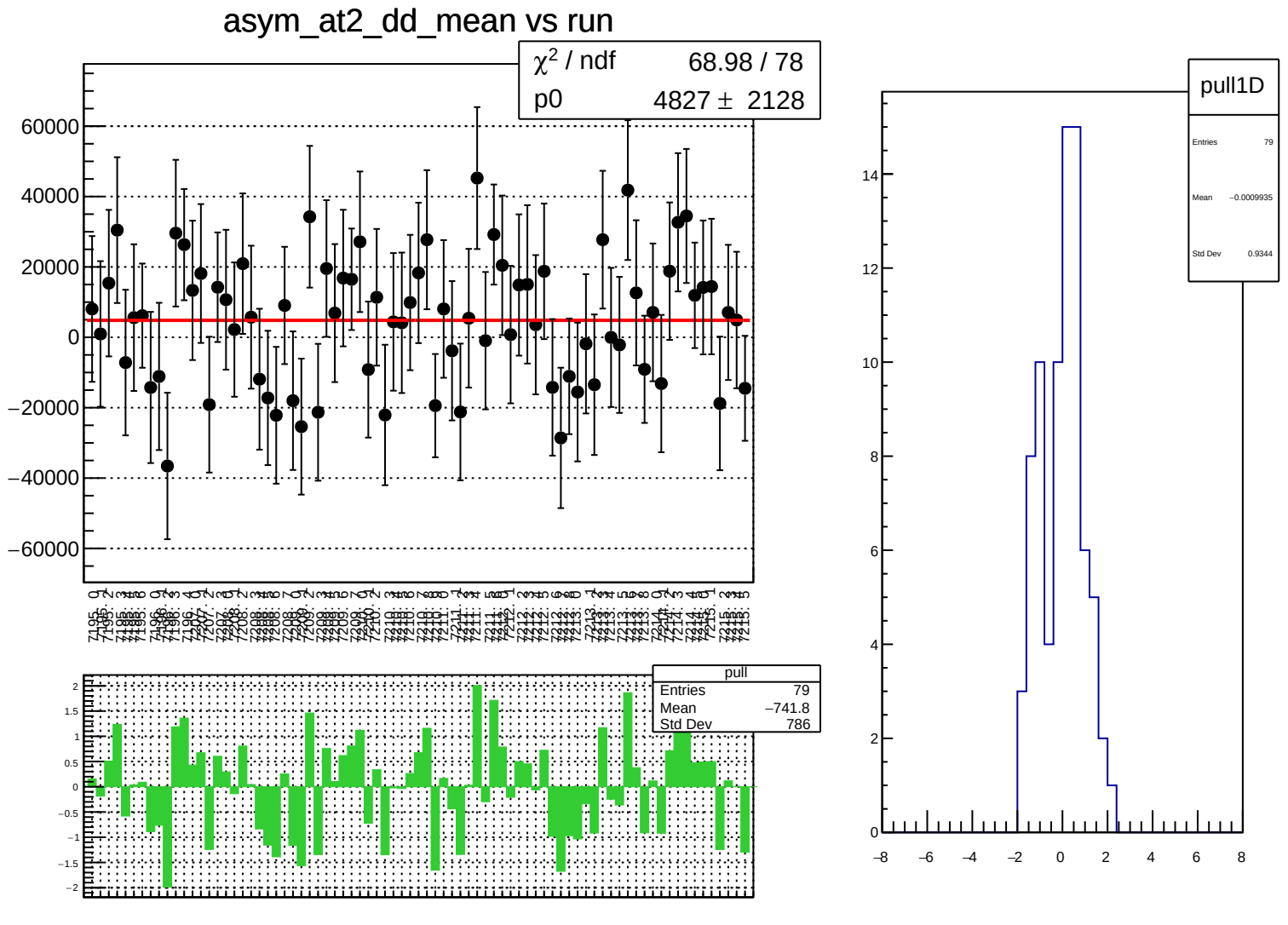

dit_asym_at2_dd_mean vs run
χ² / ndf 59.18 / 78
p0 −3415 ± 1883
pull
Entries 79
Mean −78.56
Std Dev 123.8
pull1D
Entries 79
Mean 0.009092
Std Dev 0.8655

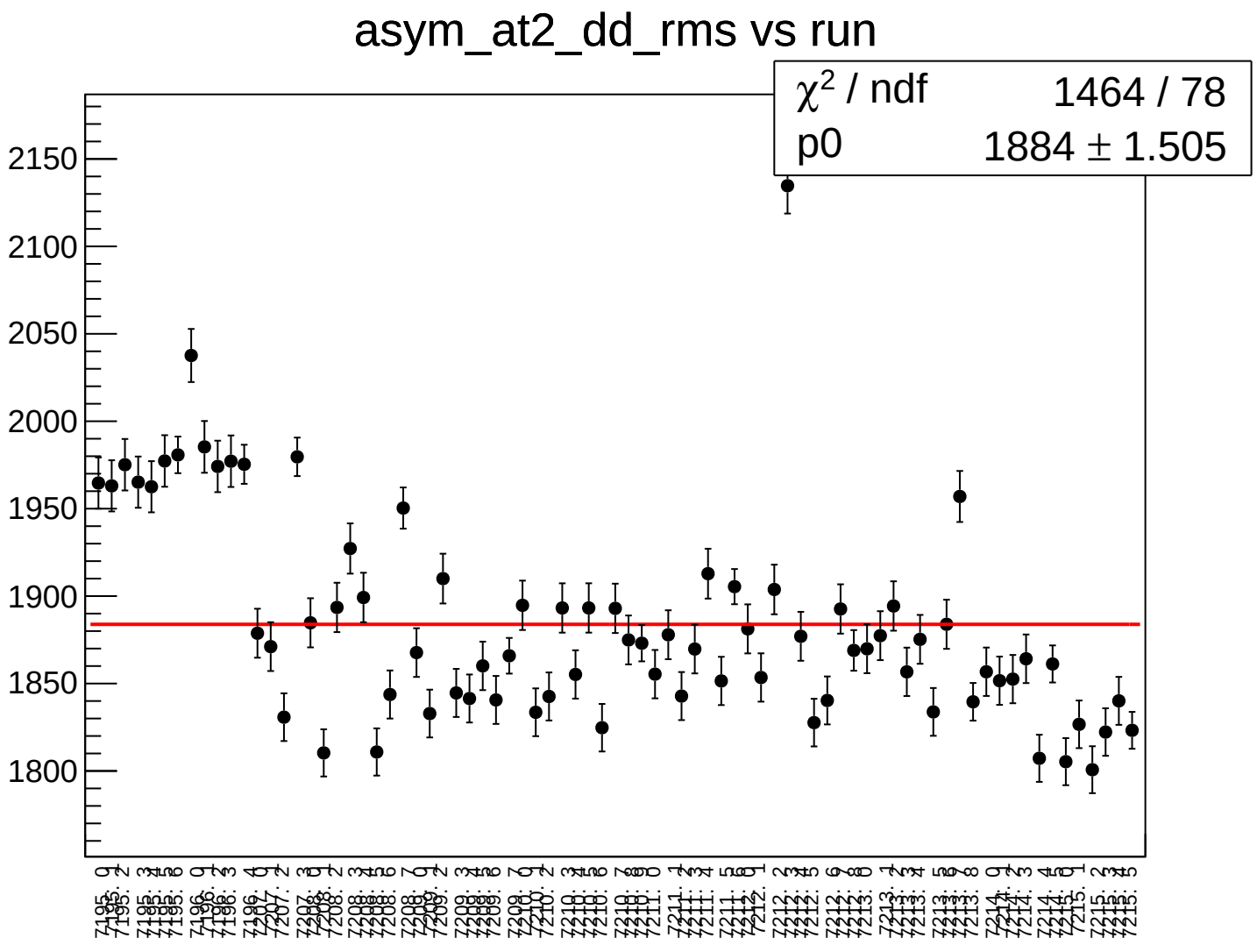
dit_asym_at2_dd_rms vs run

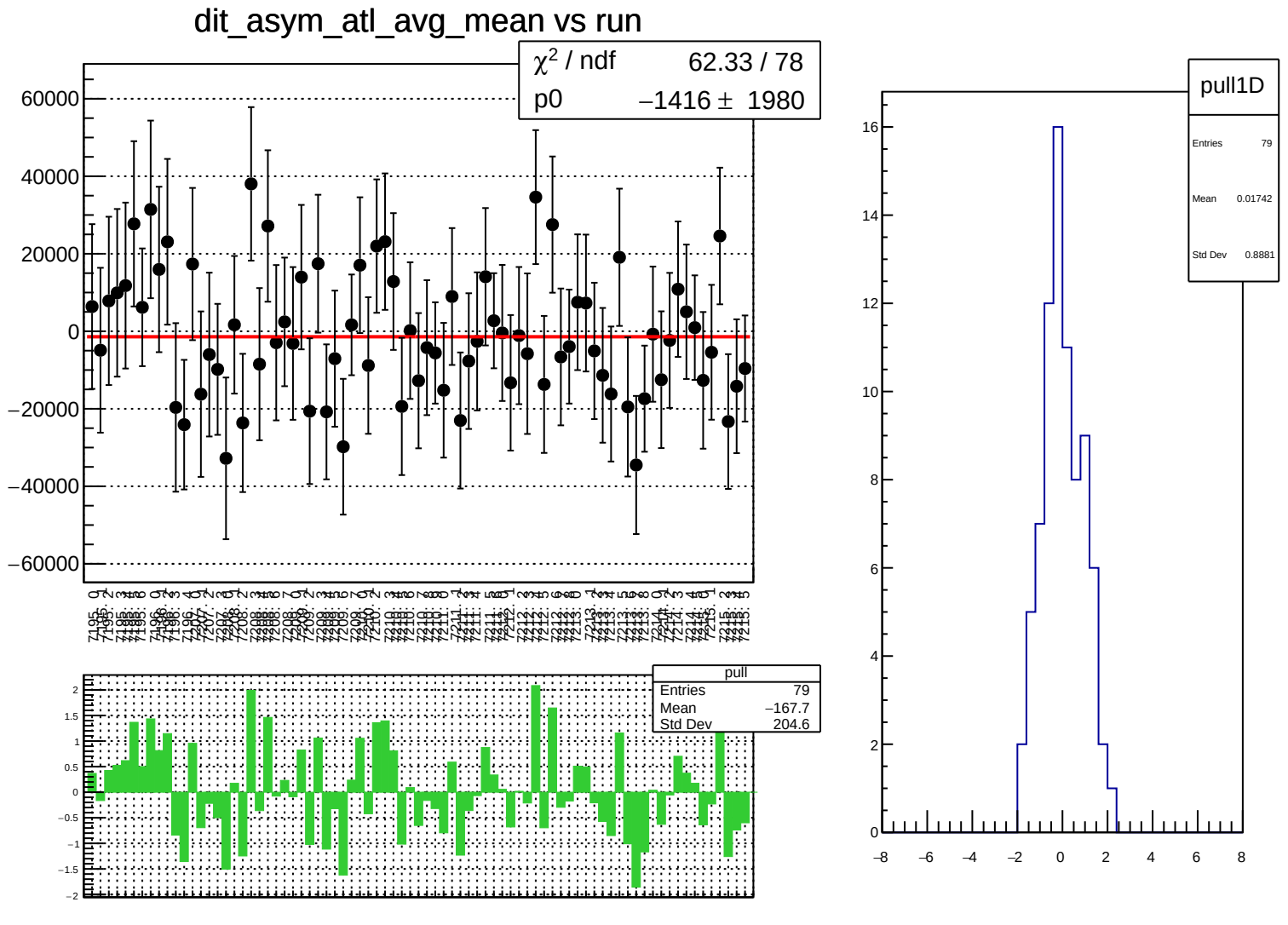



asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 63.88 / 78
p0 −8253 ± 3903
100
50
0
−50
−100
pull
Entries 79
Mean −152.8
Std Dev 197.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 79
Mean 0.004998
Std Dev 0.8992
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

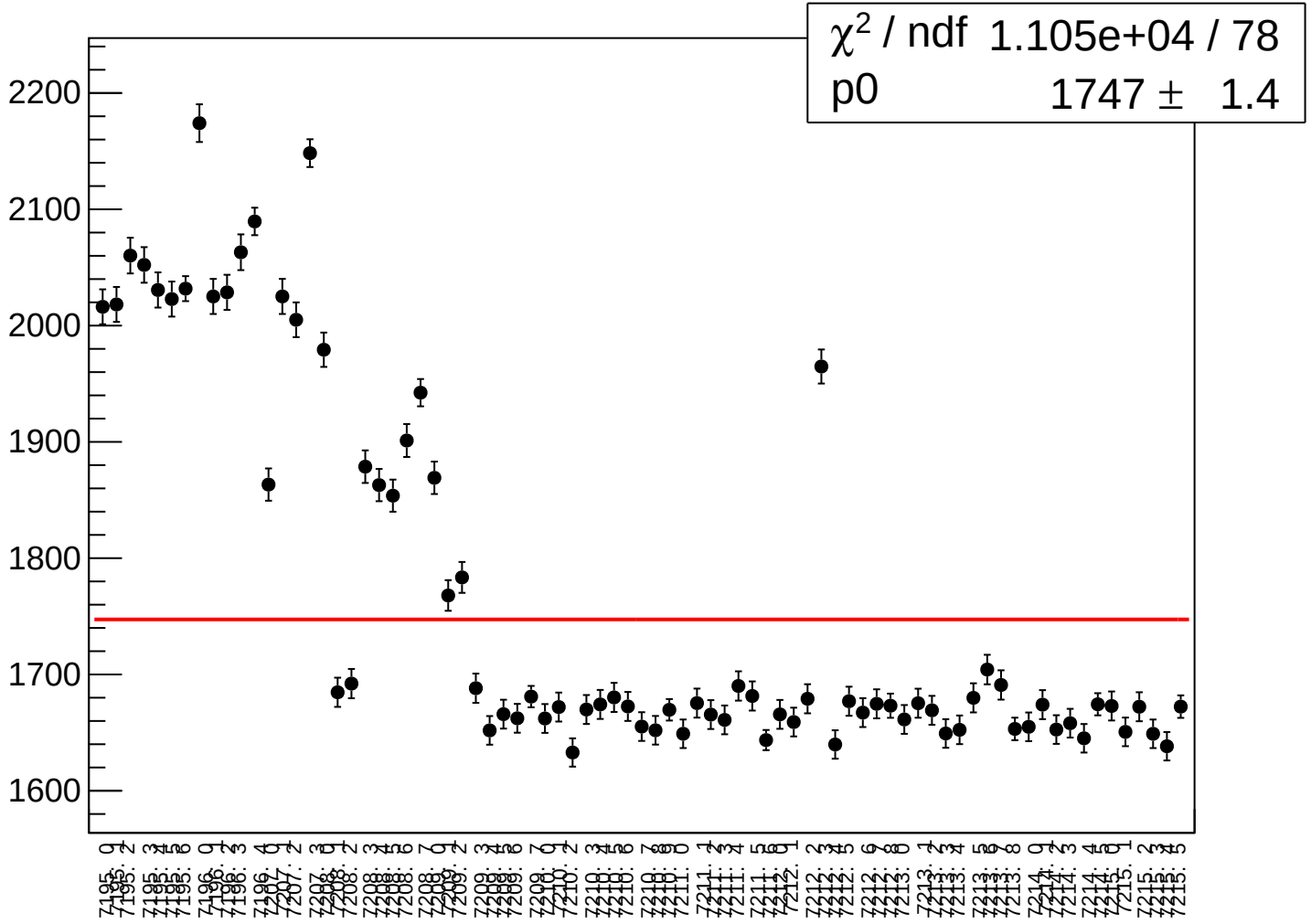

asym_at2_dd_correction_rms vs run
χ² / ndf 3837 / 78
p0 3452 ± 2.759
4000
3900
3800
3700
3600
3500
3400
3300

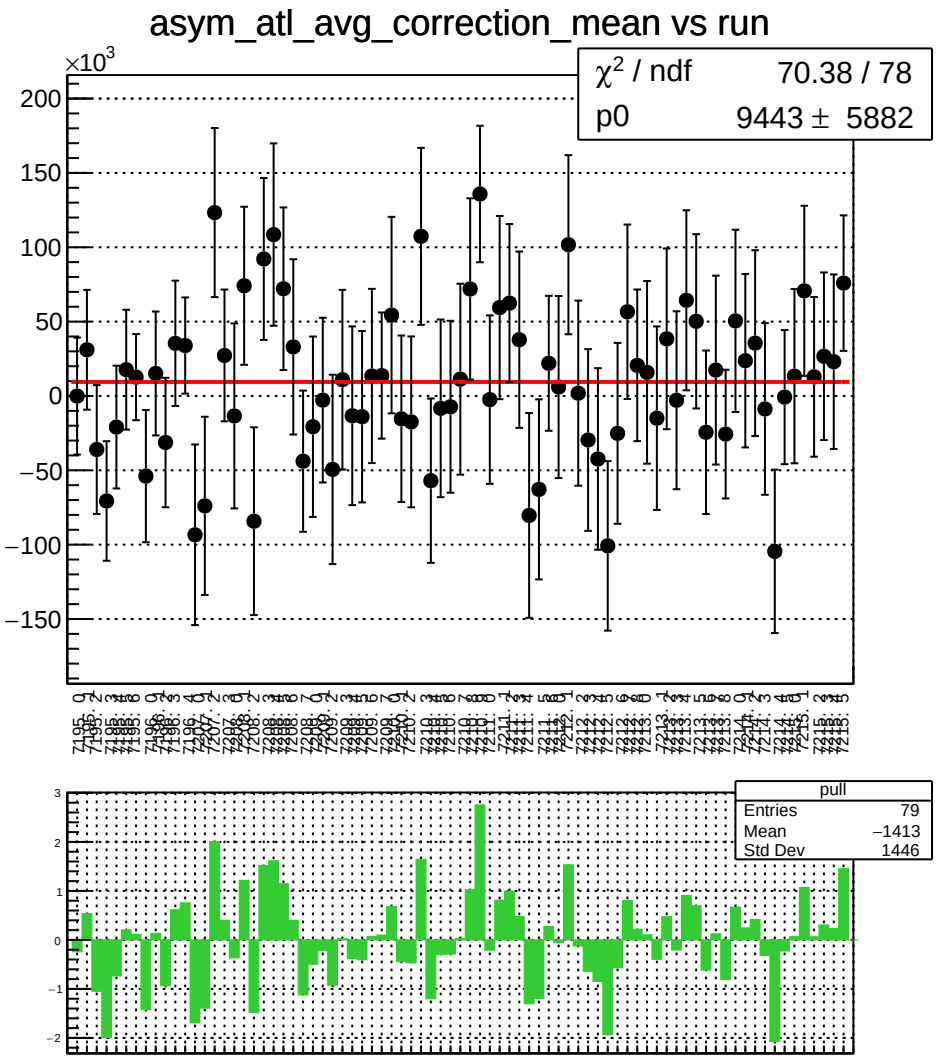

asym_at2_dd_mean vs run
χ² / ndf 68.98 / 78
p0 4827 ± 2128
pull
Entries 79
Mean −741.8
Std Dev 786
pull1D
Entries 79
Mean −0.0009935
Std Dev 0.9344

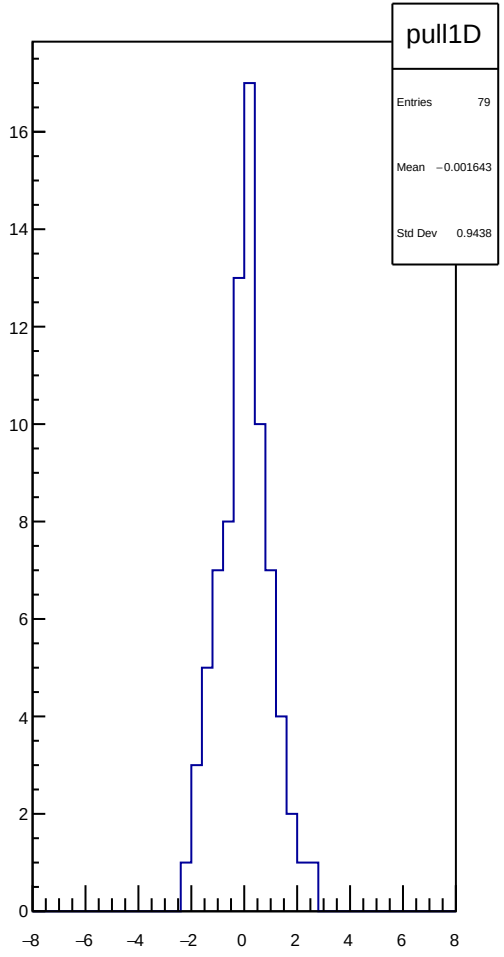

asym_at2_dd_rms vs run
χ² / ndf 1464 / 78
p0 1884 ± 1.505
2150
2100
2050
2000
1950
1900
1850
1800

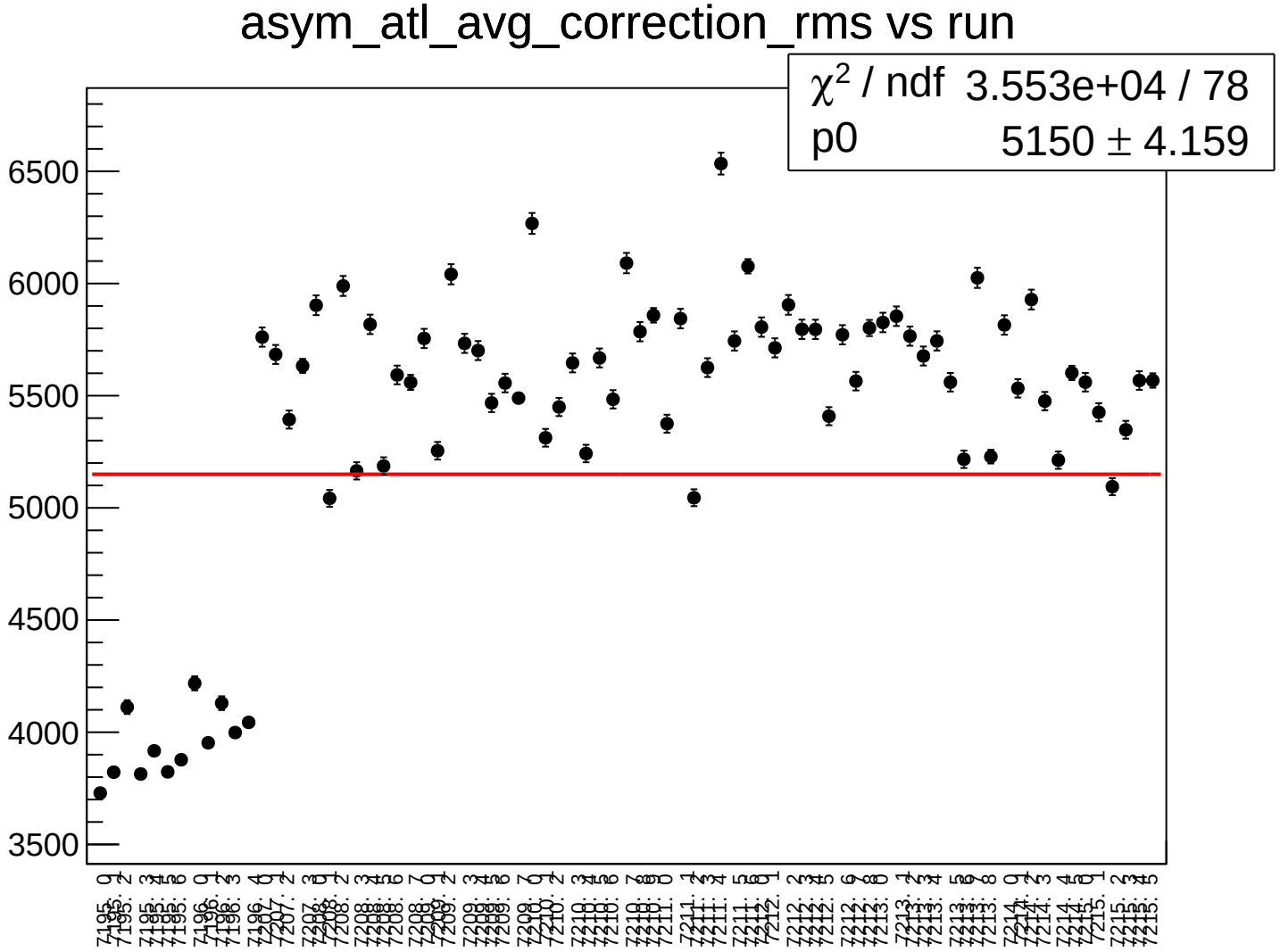

dit_asym_atl_avg_mean vs run
χ² / ndf 62.33 / 78
p0 −1416 ± 1980
pull
Entries 79
Mean −167.7
Std Dev 204.6
pull1D
Entries 79
Mean 0.01742
Std Dev 0.8881

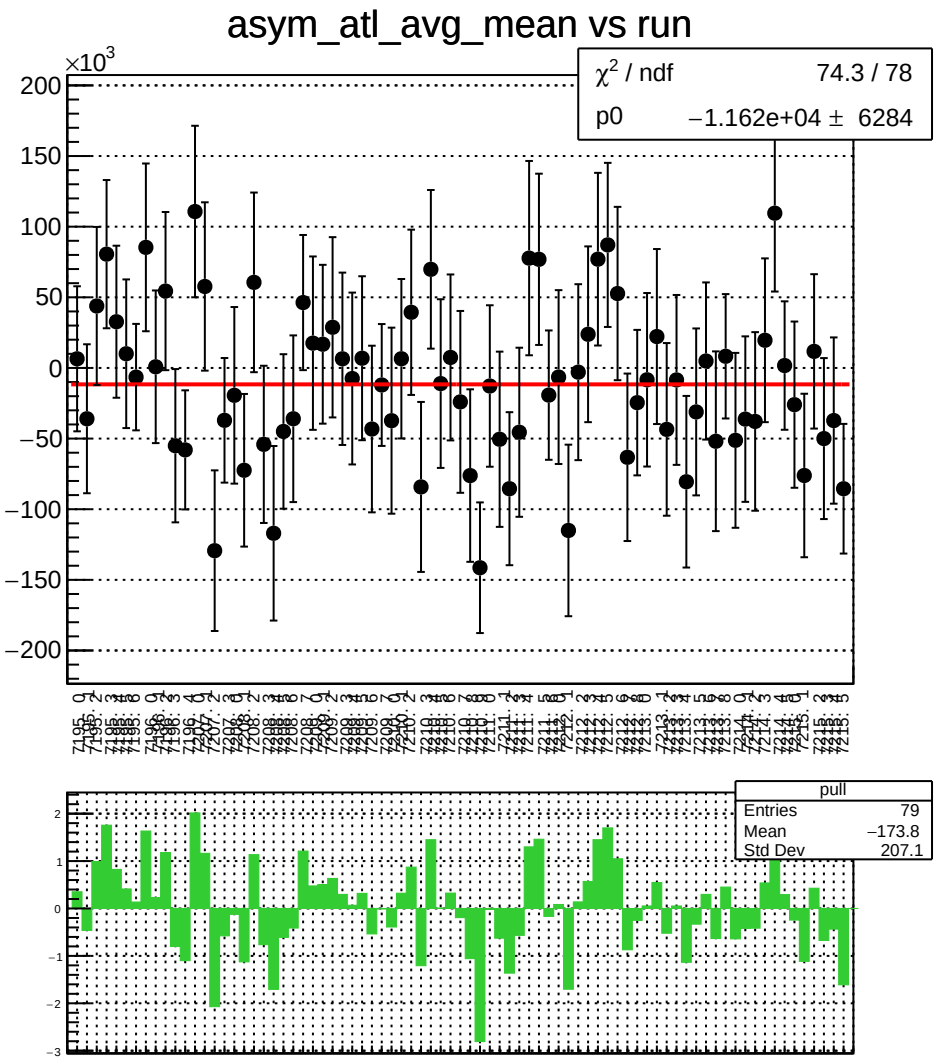
dit_asym_atl_avg_rms vs run

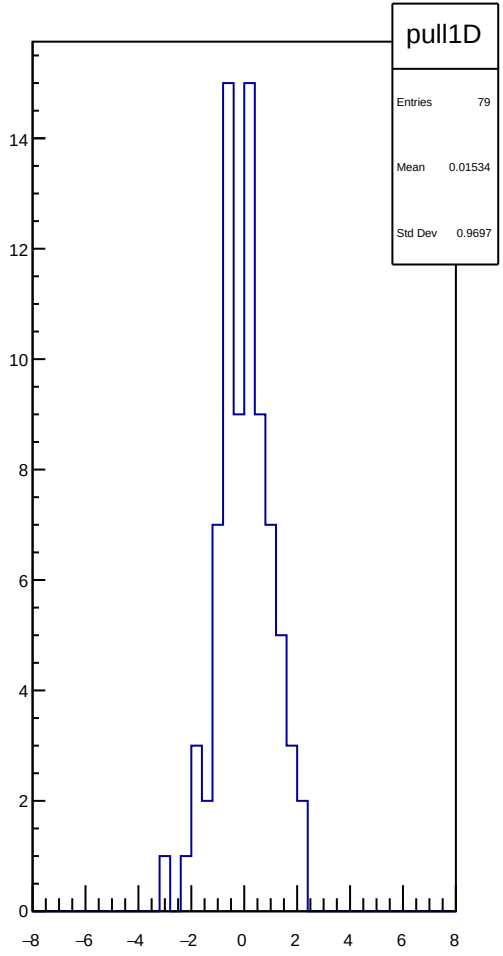



asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 70.38 / 78
p0 9443 ± 5882
pull
Entries 79
Mean −1413
Std Dev 1446

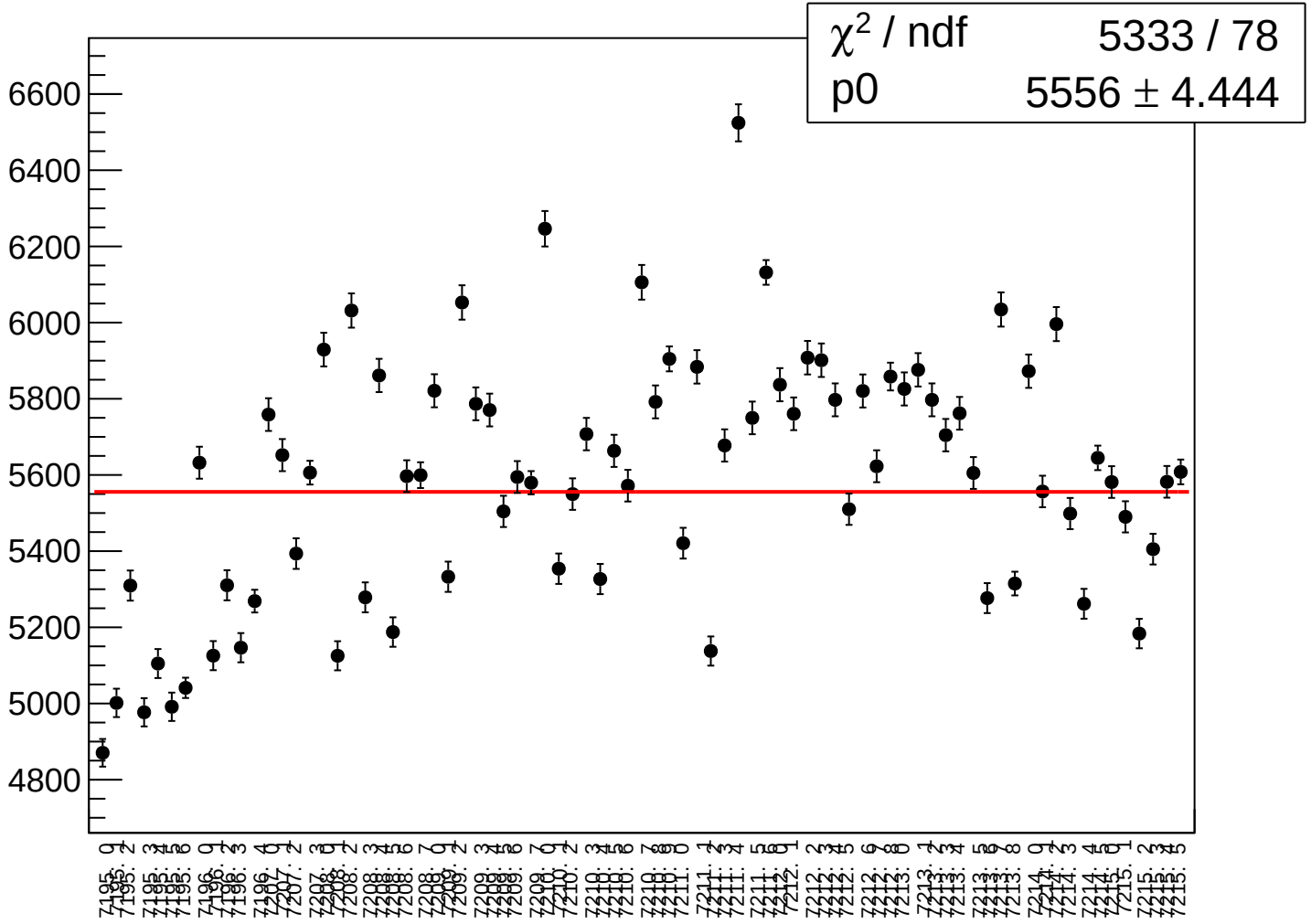

pull1D
Entries 79
Mean −0.001643
Std Dev 0.9438

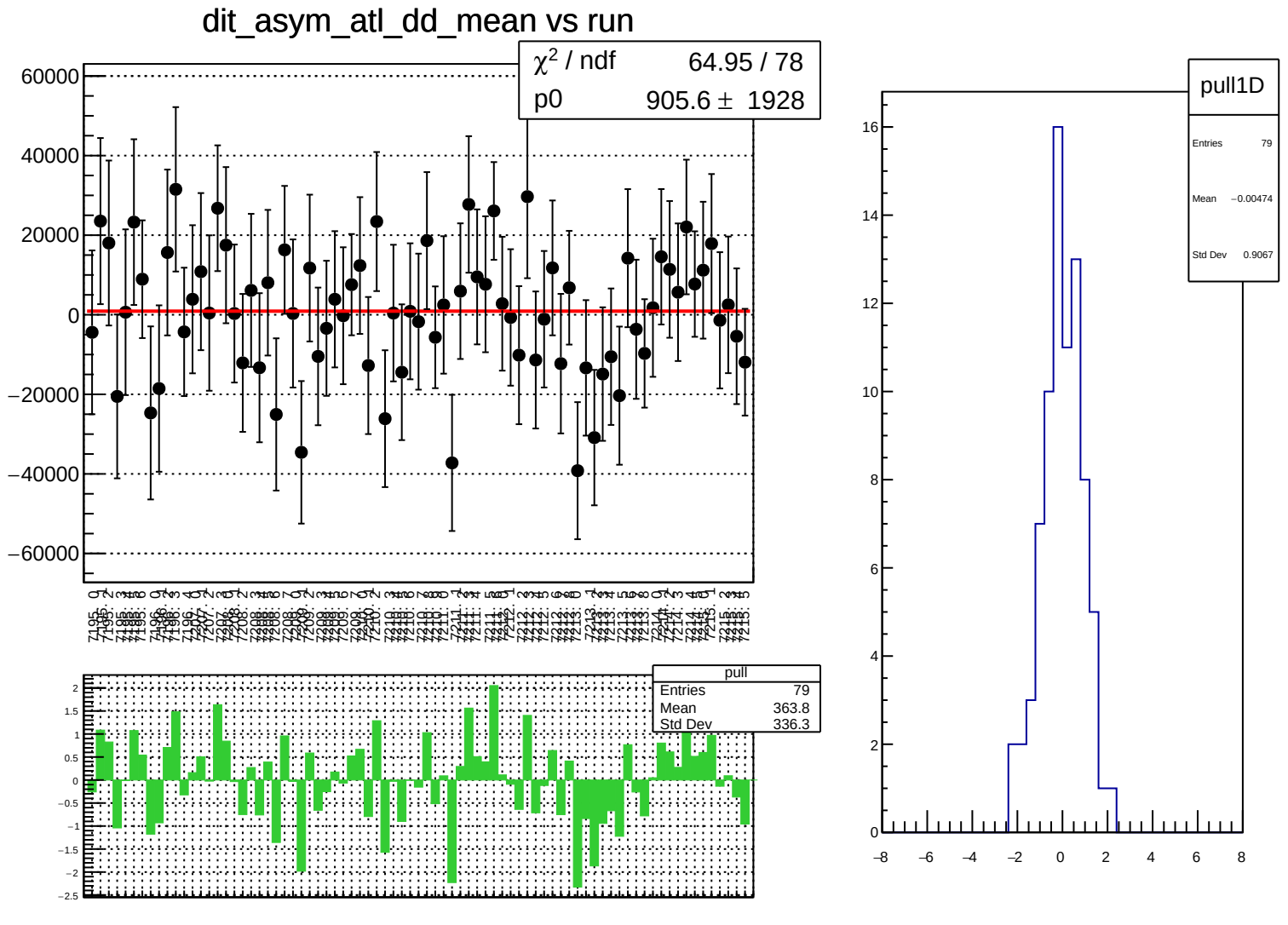

asym_atl_avg_correction_rms vs run
χ^2 / ndf 3.553e+04 / 78
p0 5150 ± 4.159
6500
6000
5500
5000
4500
4000
3500

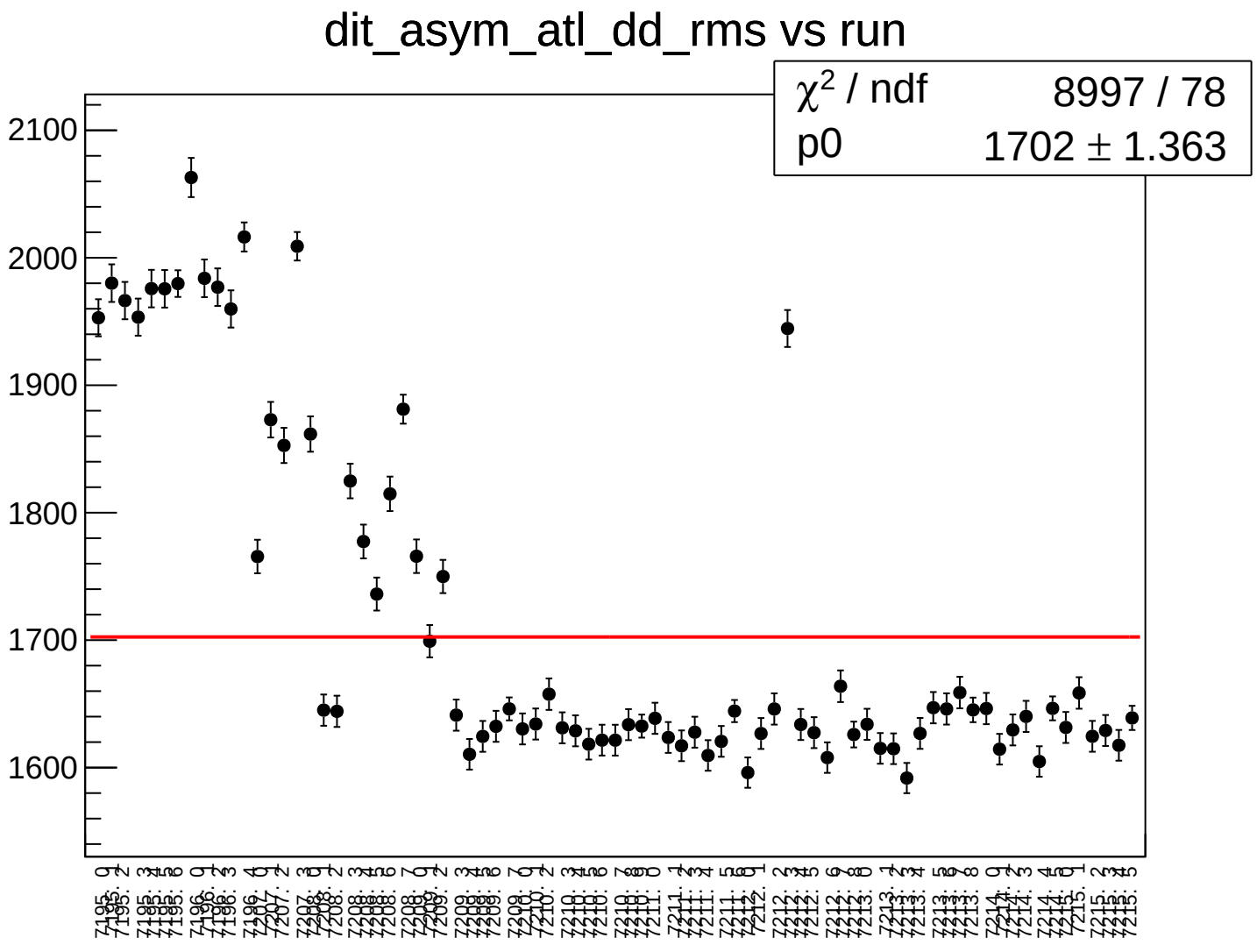

asym_atl_avg_mean vs run
×10^3
χ² / ndf 74.3 / 78
p0 −1.162e+04 ± 6284
pull
Entries 79
Mean −173.8
Std Dev 207.1

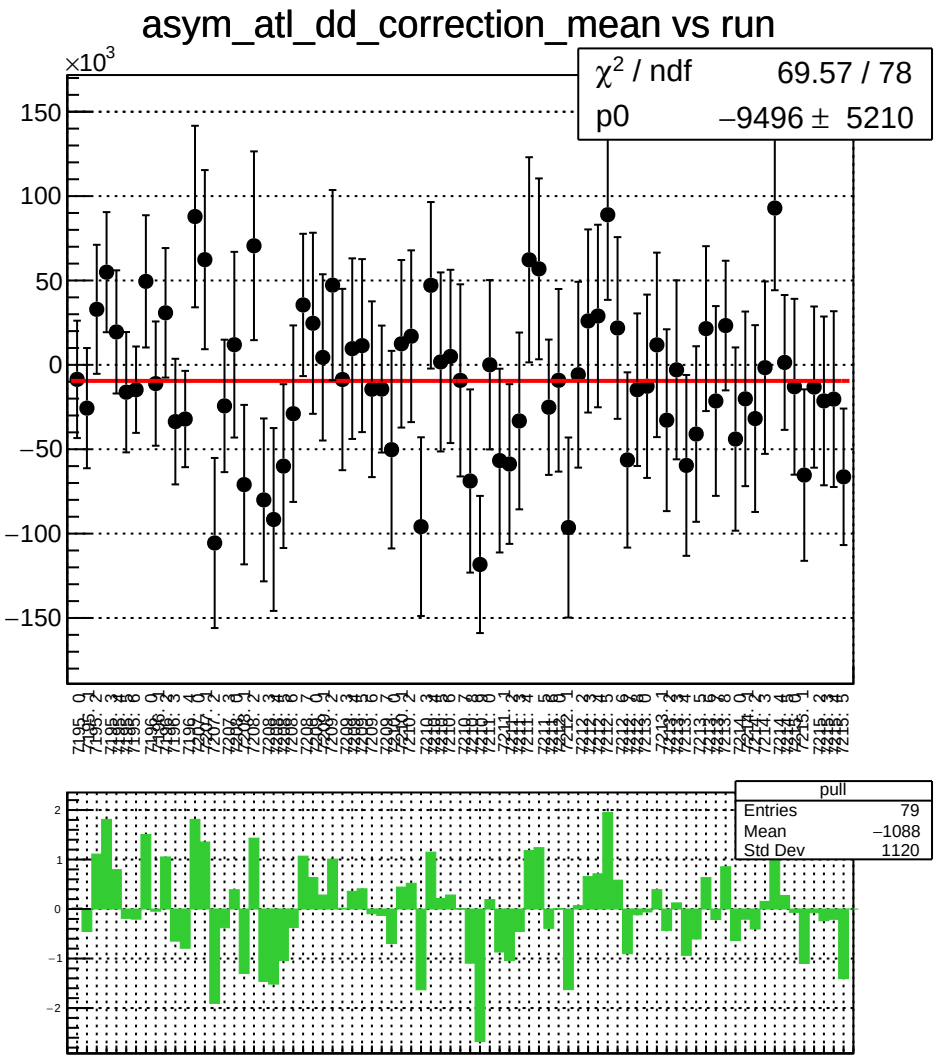

pull1D
Entries 79
Mean 0.01534
Std Dev 0.9697

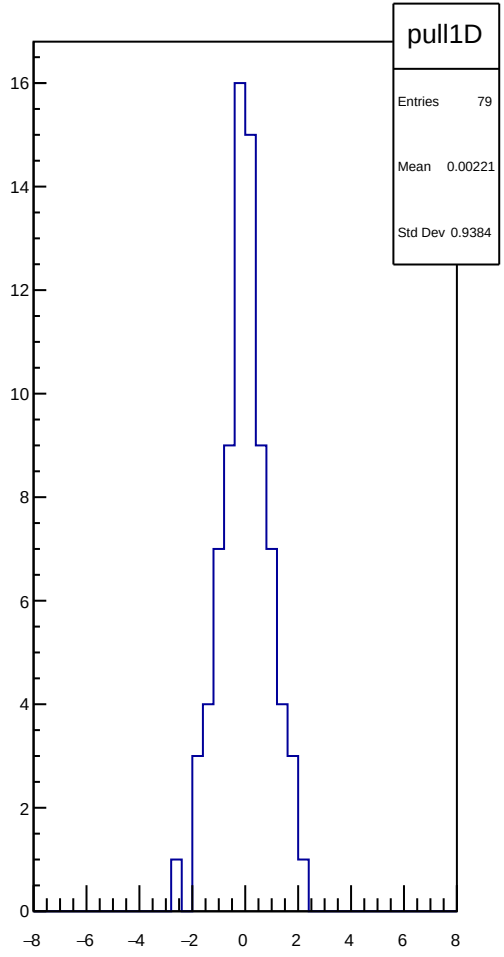
asym_atl_avg_rms vs run

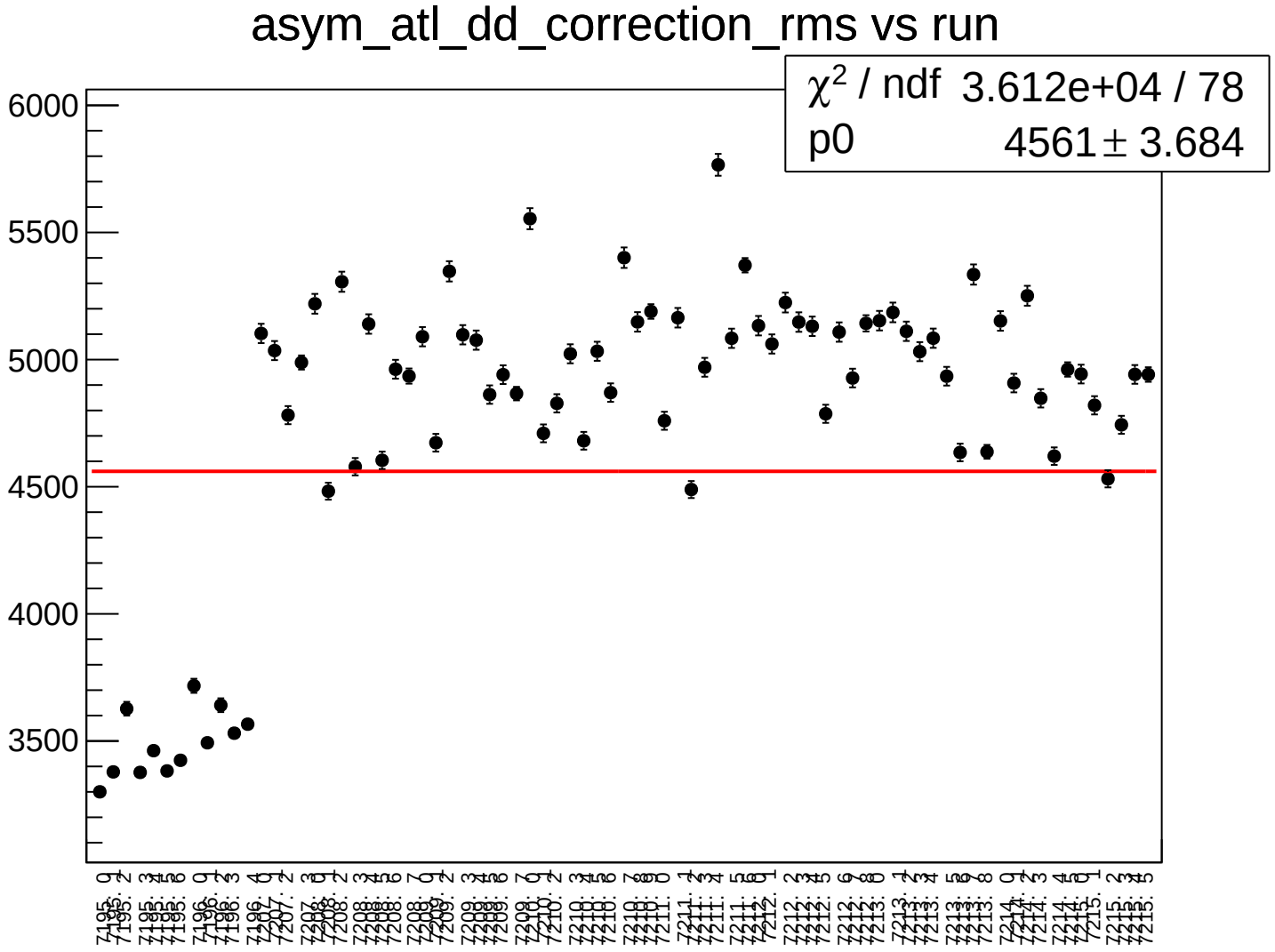


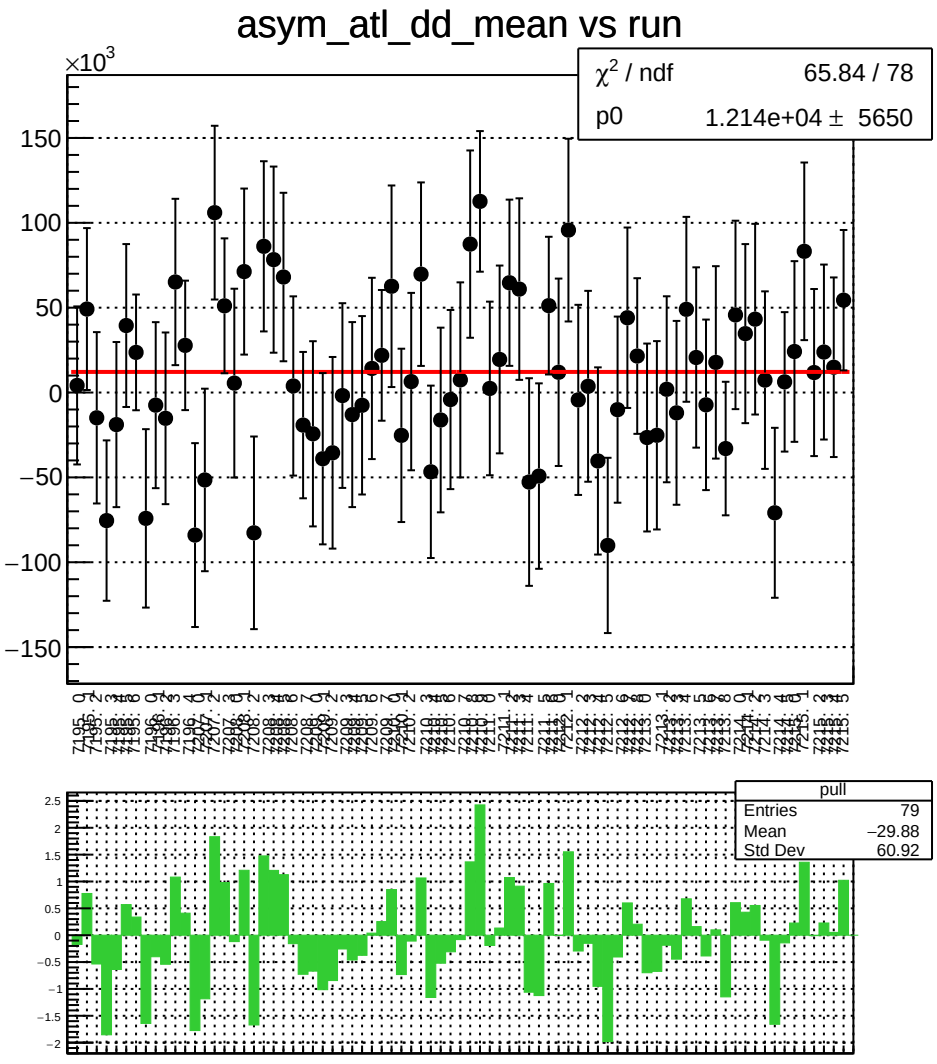

dit_asym_atl_dd_mean vs run
χ² / ndf 64.95 / 78
p0 905.6 ± 1928
pull
Entries 79
Mean 363.8
Std Dev 336.3
pull1D
Entries 79
Mean −0.00474
Std Dev 0.9067

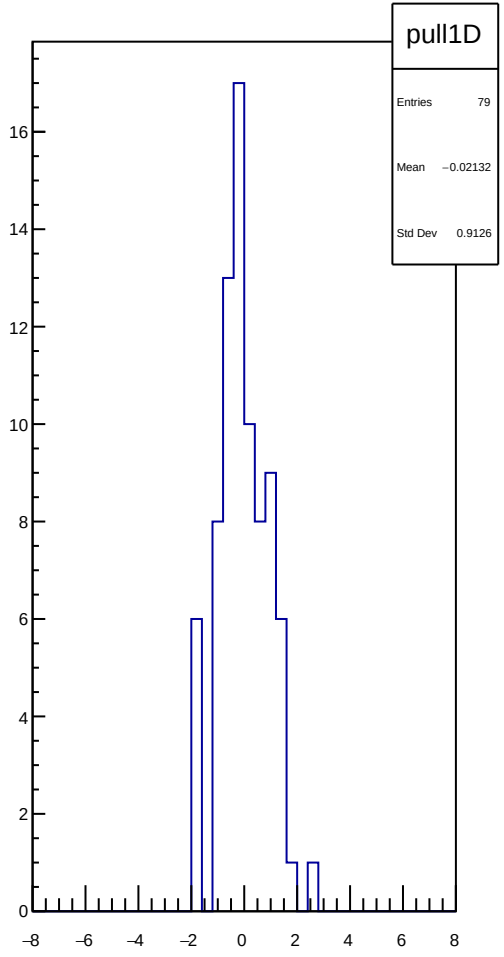

dit_asym_atl_dd_rms vs run
χ² / ndf 8997 / 78
p0 1702 ± 1.363
2100
2000
1900
1800
1700
1600


asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 69.57 / 78
p0 −9496 ± 5210
pull
Entries 79
Mean −1088
Std Dev 1120

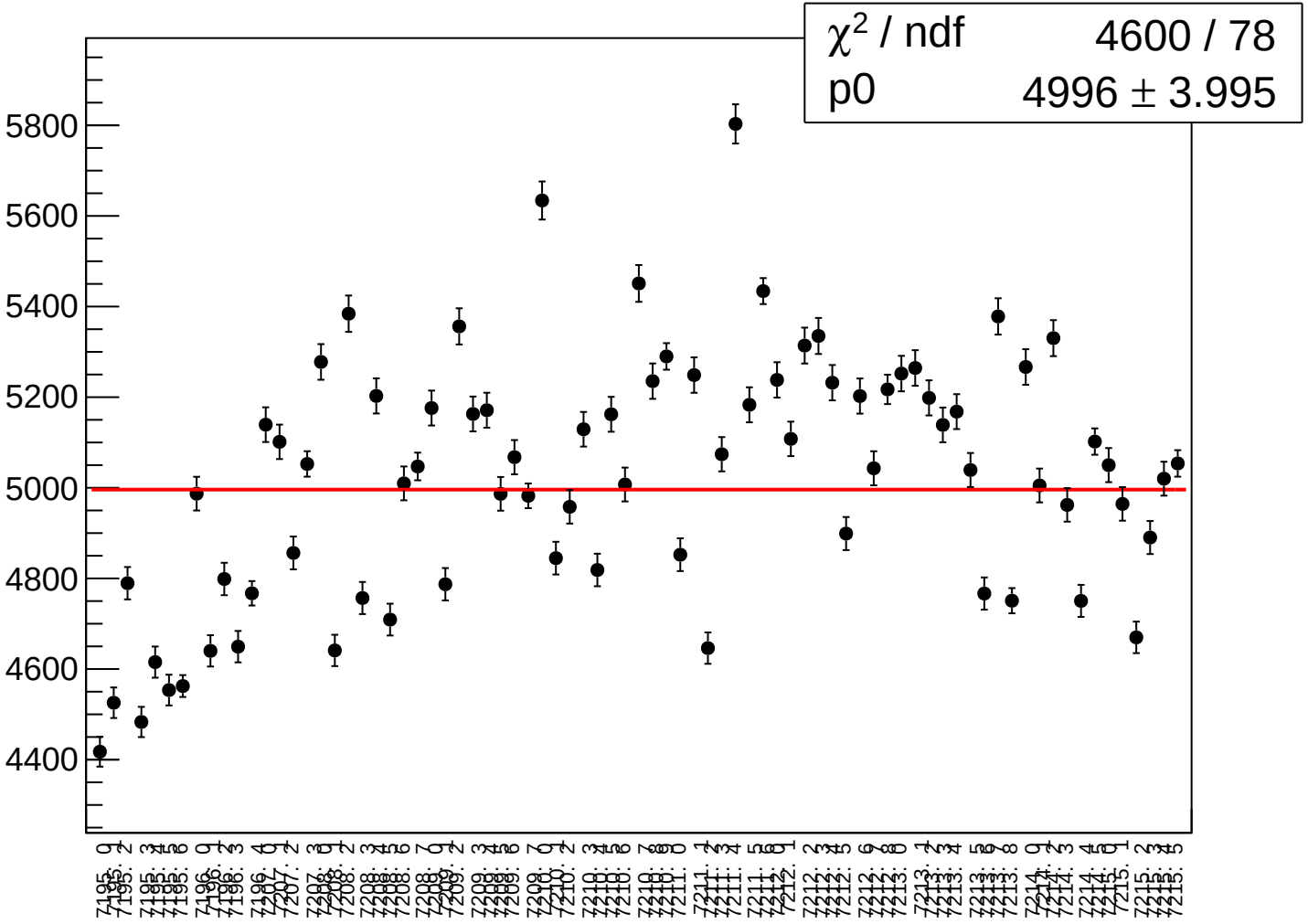

pull1D
Entries 79
Mean 0.00221
Std Dev 0.9384

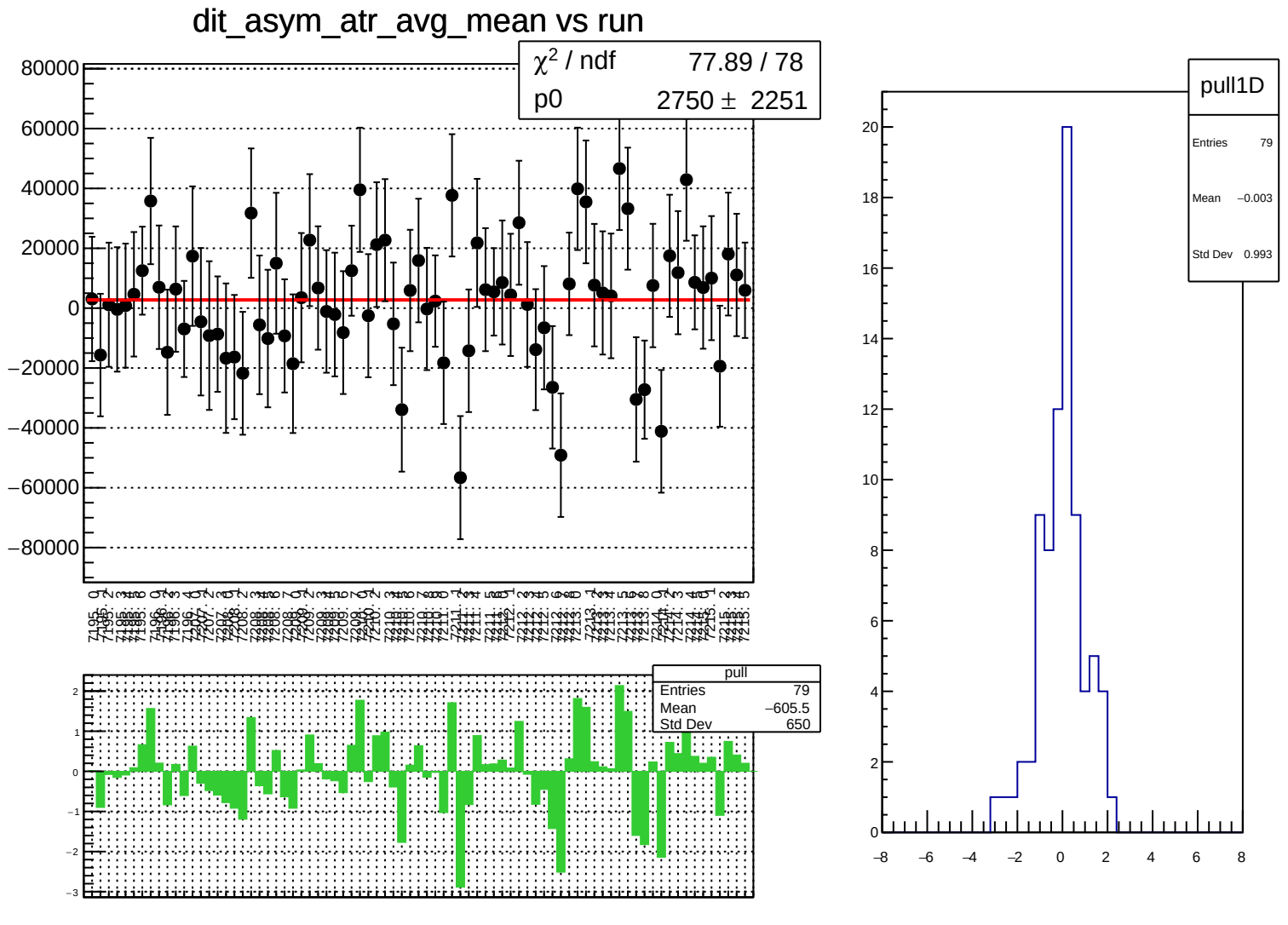

asym_atl_dd_correction_rms vs run
χ^2 / ndf 3.612e+04 / 78
p0 4561 ± 3.684
6000
5500
5000
4500
4000
3500

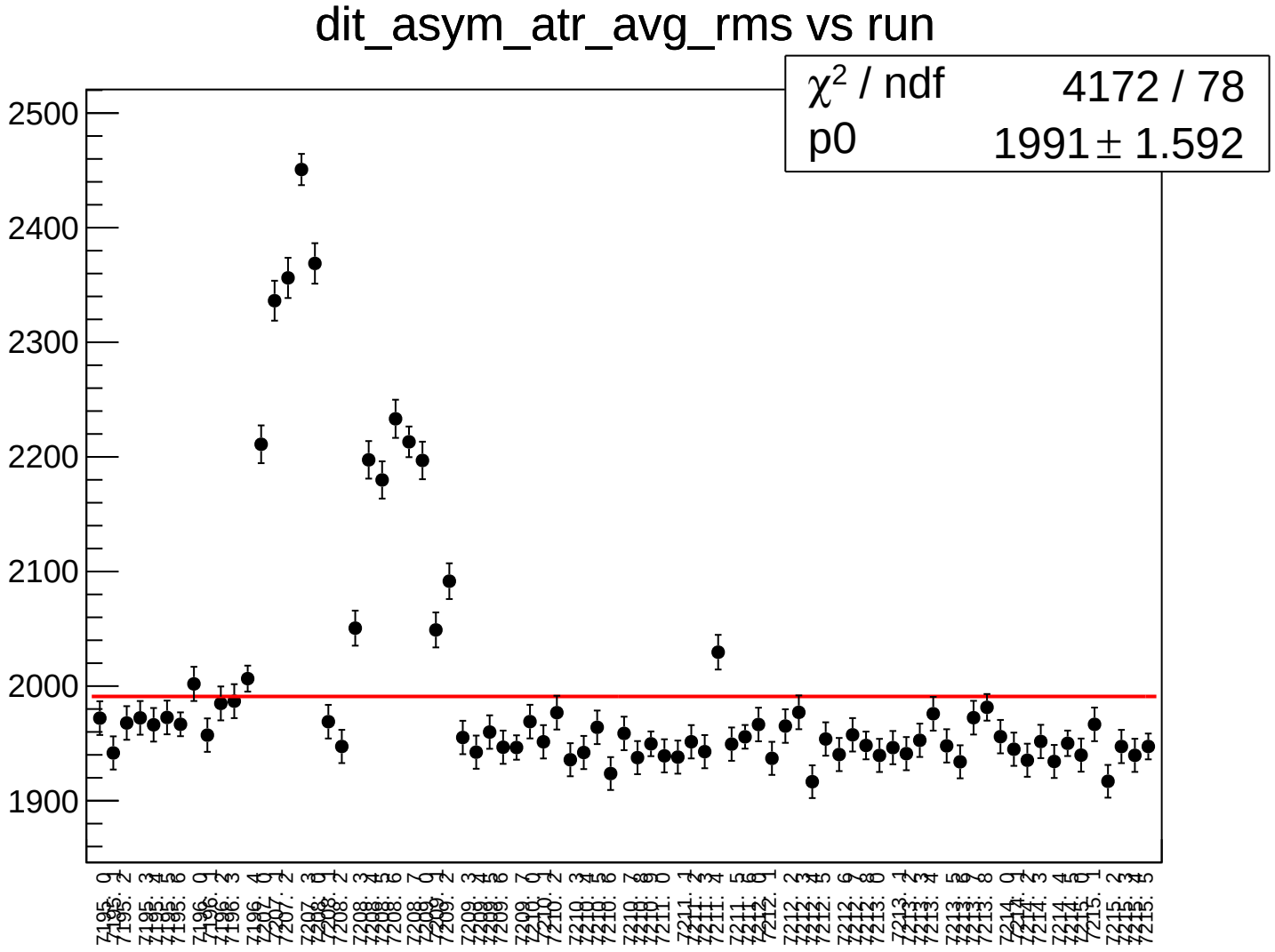

asym_atl_dd_mean vs run
×10^3
χ² / ndf 65.84 / 78
p0 1.214e+04 ± 5650
pull
Entries 79
Mean −29.88
Std Dev 60.92

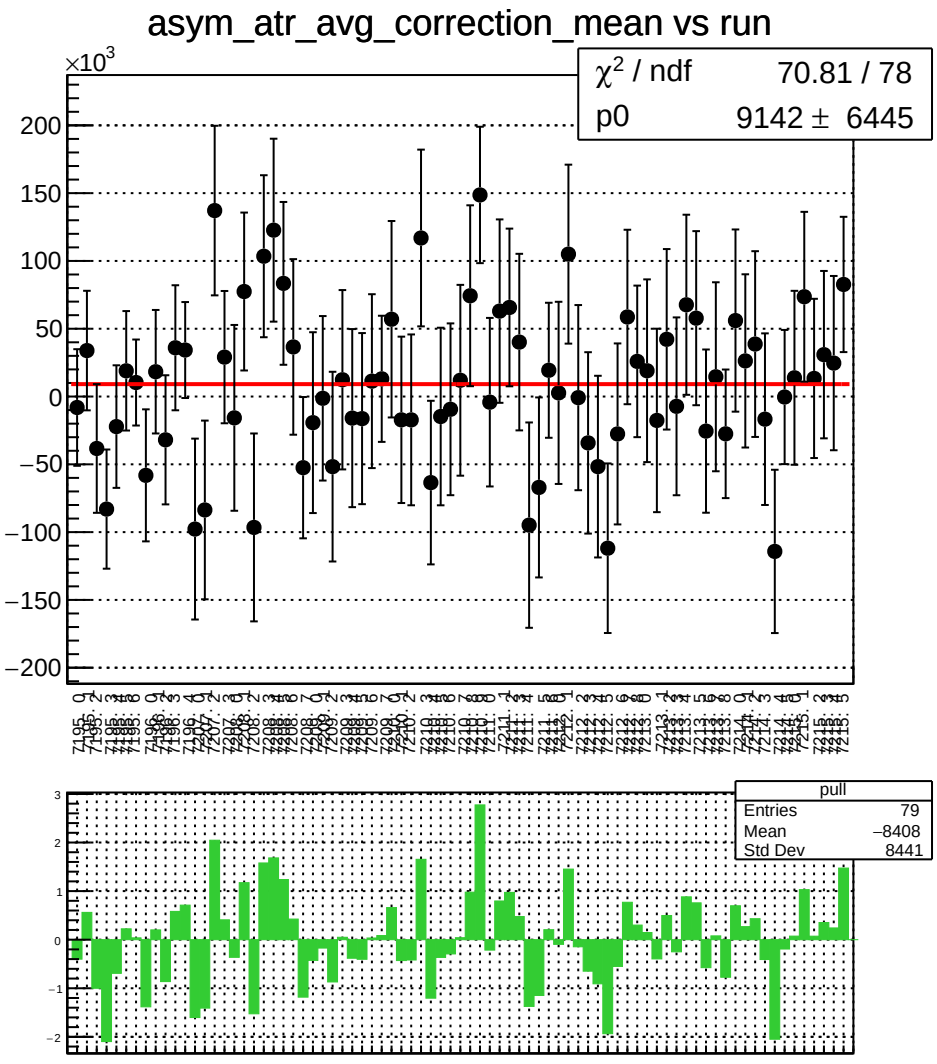

pull1D
Entries 79
Mean −0.02132
Std Dev 0.9126

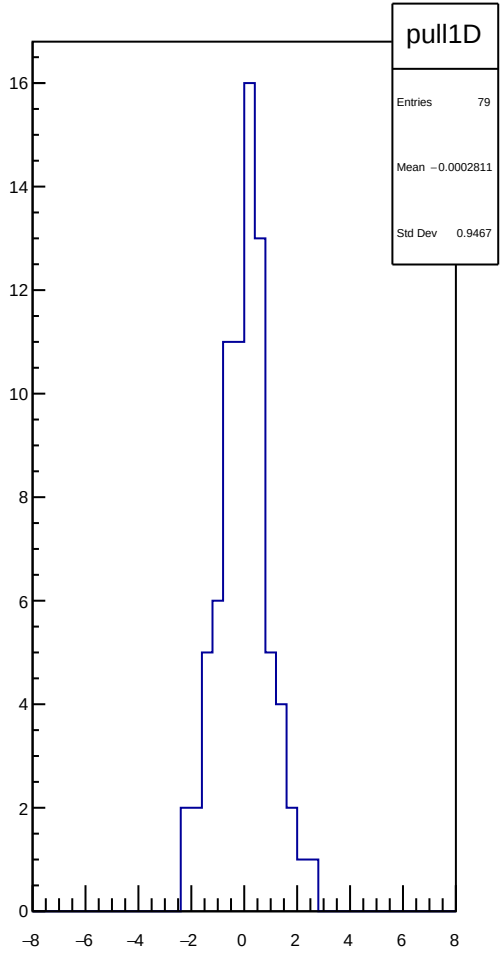
asym_atl_dd_rms vs run



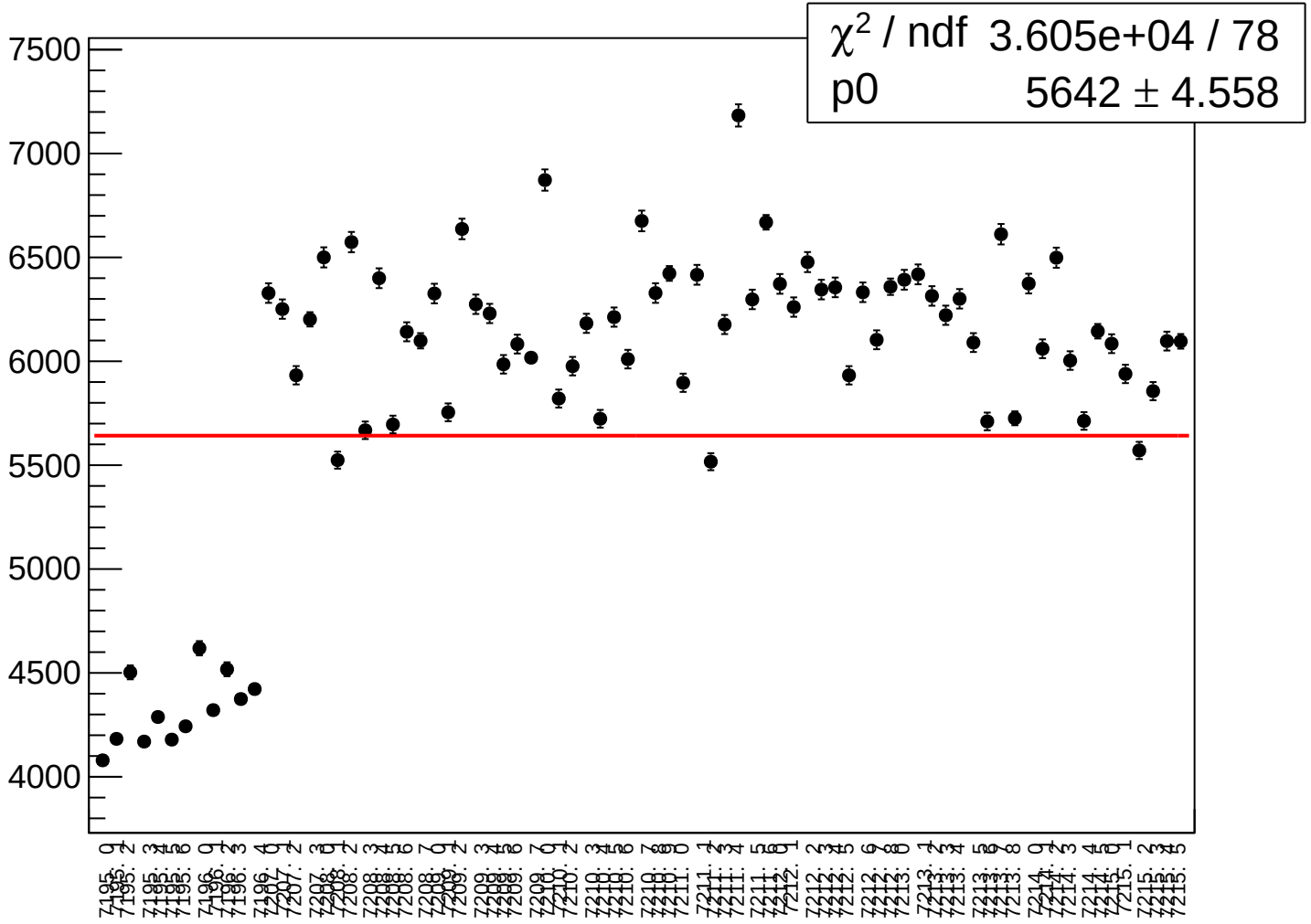

dit_asym_atr_avg_mean vs run
χ² / ndf 77.89 / 78
p0 2750 ± 2251
pull
Entries 79
Mean −605.5
Std Dev 650
pull1D
Entries 79
Mean −0.003
Std Dev 0.993

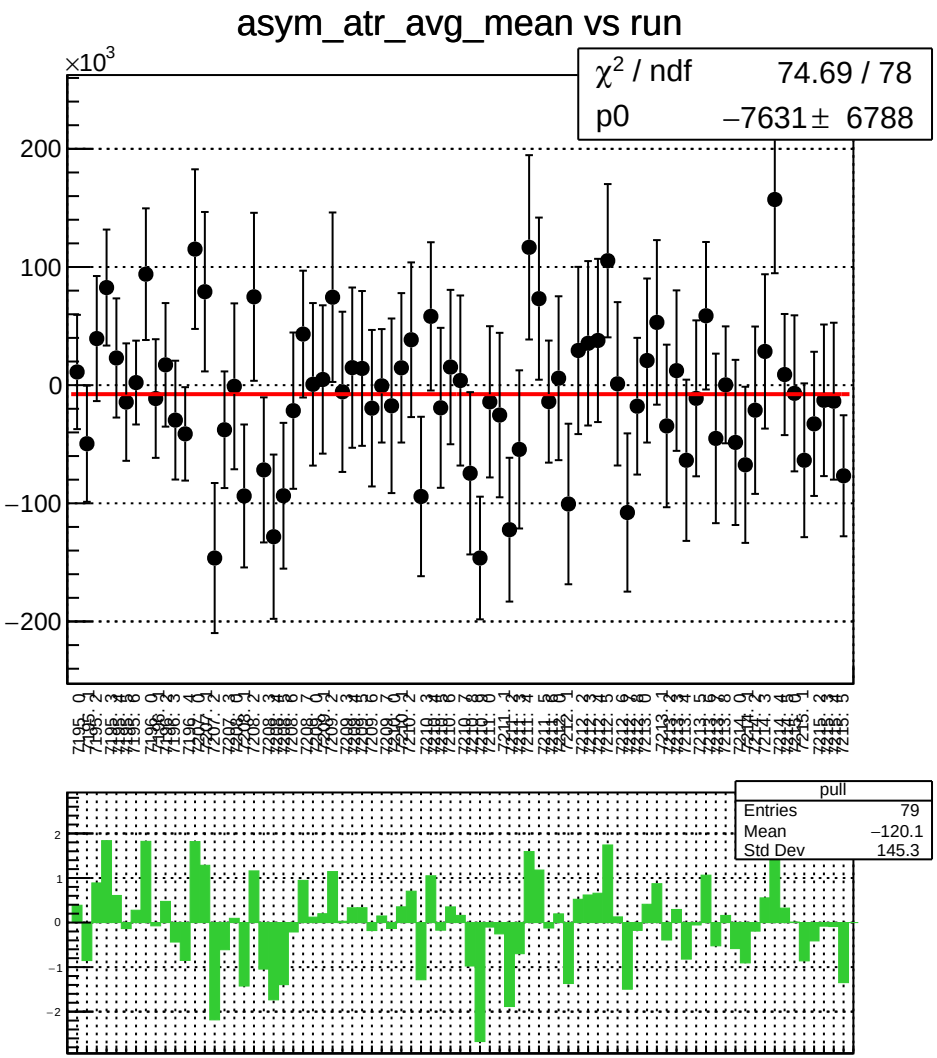

dit_asym_atr_avg_rms vs run
χ² / ndf 4172 / 78
p0 1991 ± 1.592
2500
2400
2300
2200
2100
2000
1900

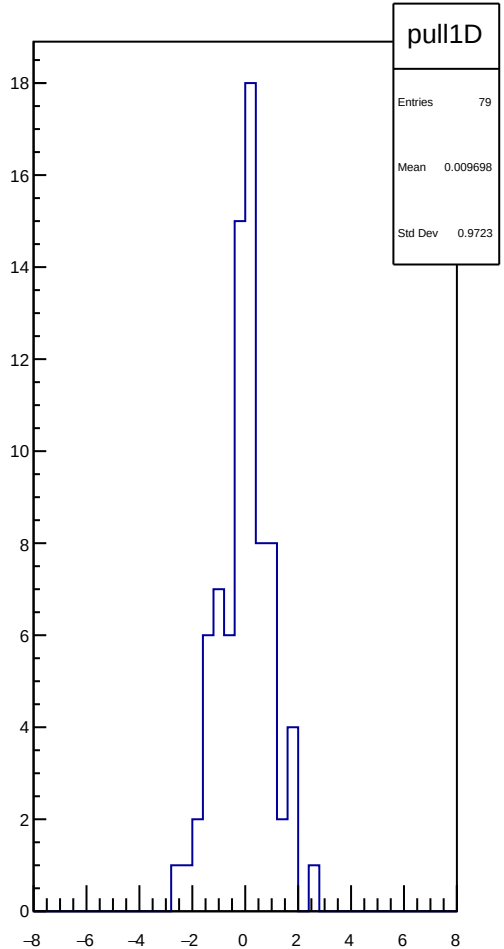

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 70.81 / 78
p0 9142 ± 6445
pull
Entries 79
Mean −8408
Std Dev 8441

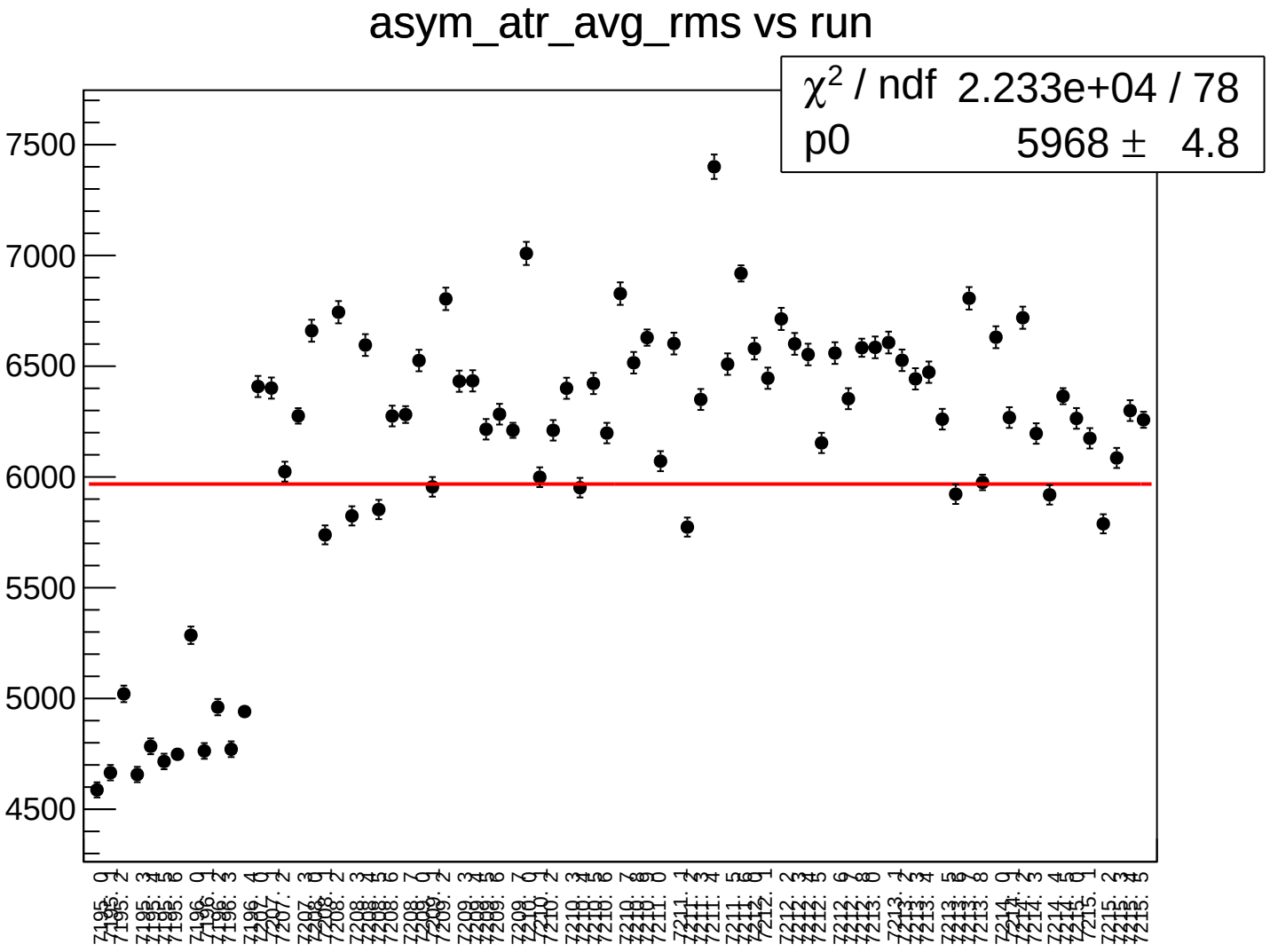

pull1D
Entries 79
Mean −0.0002811
Std Dev 0.9467

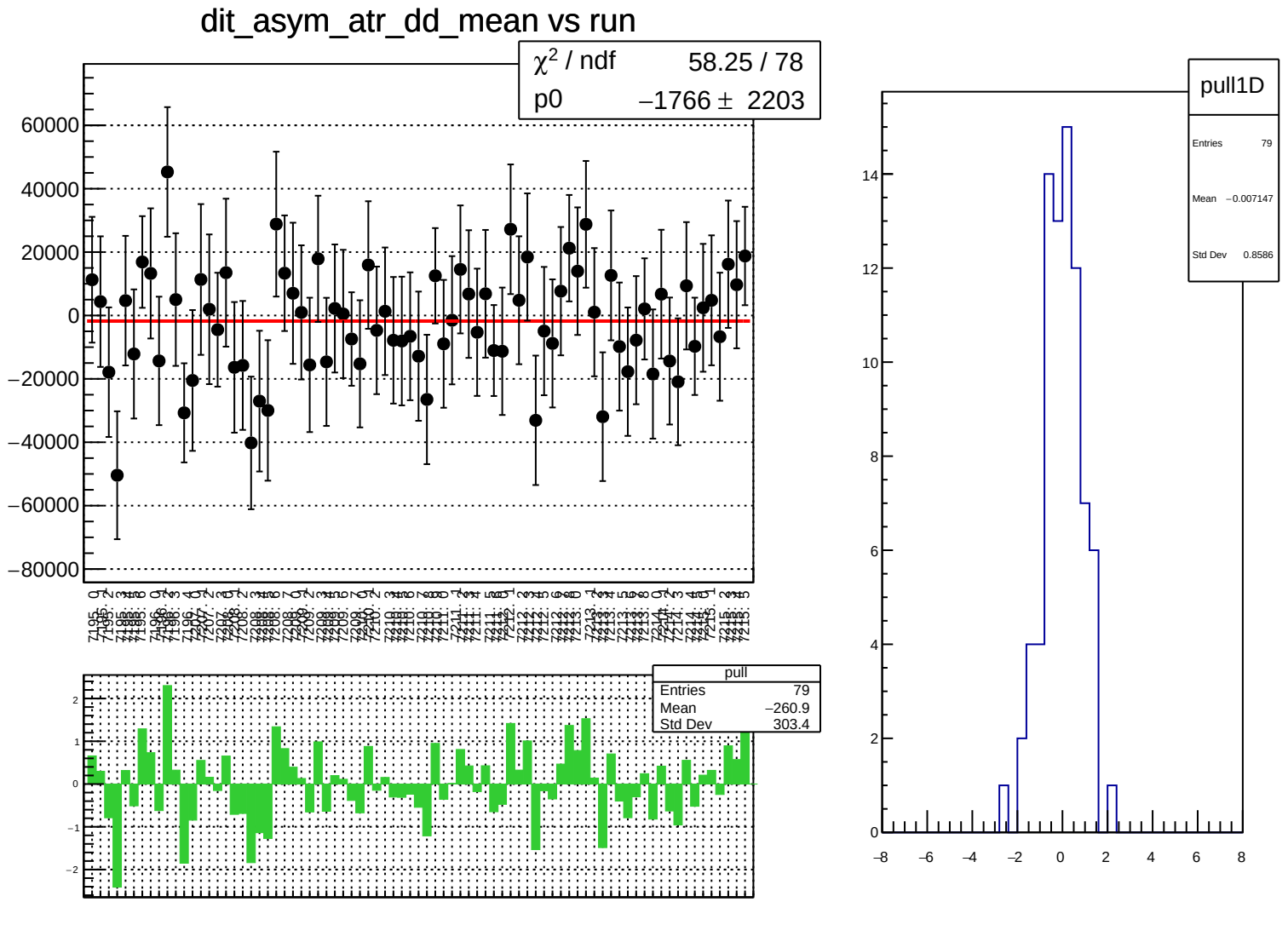
asym_atr_avg_correction_rms vs run



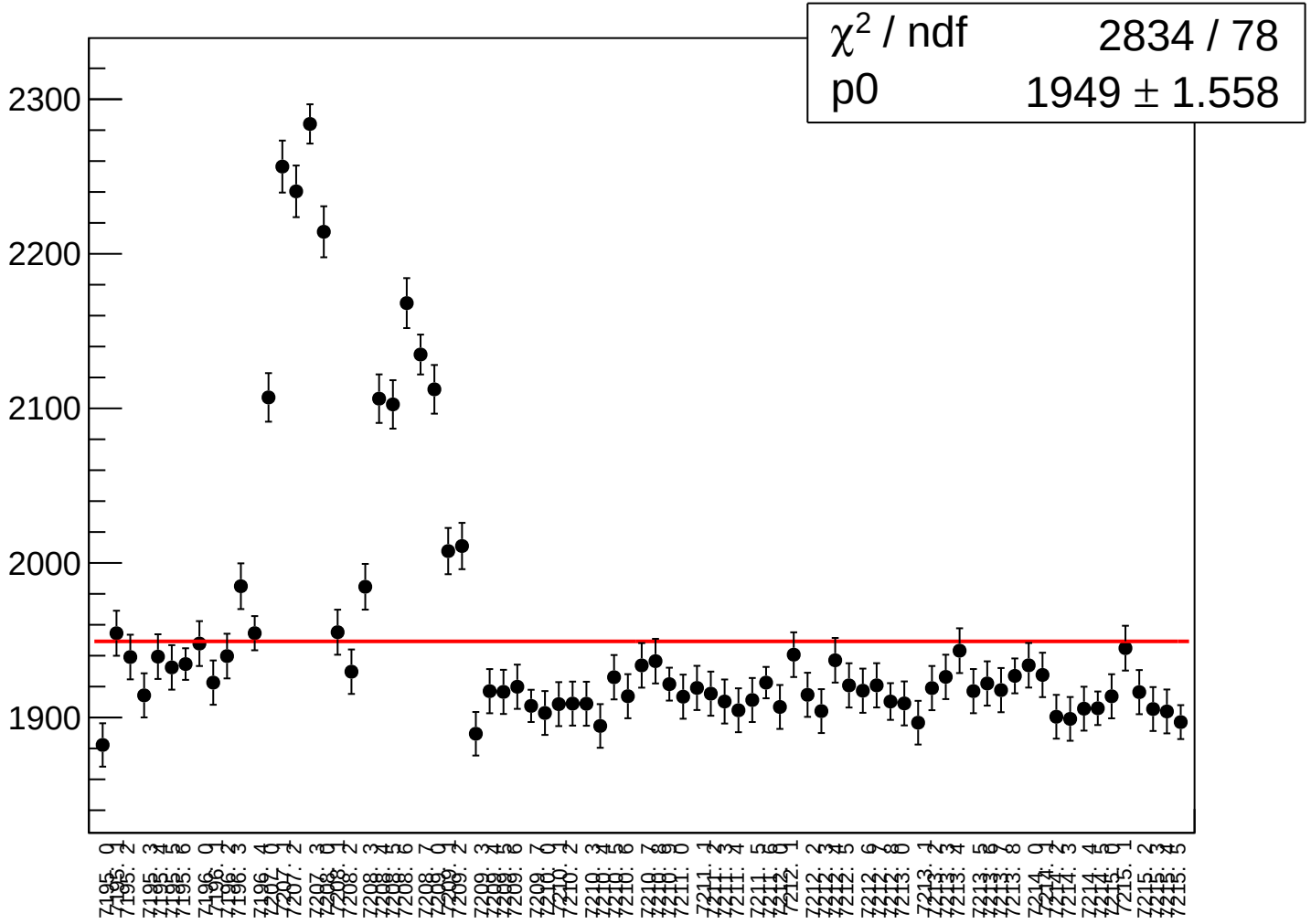

asym_atr_avg_mean vs run
×10^3
χ² / ndf 74.69 / 78
p0 −7631 ± 6788
pull
Entries 79
Mean −120.1
Std Dev 145.3

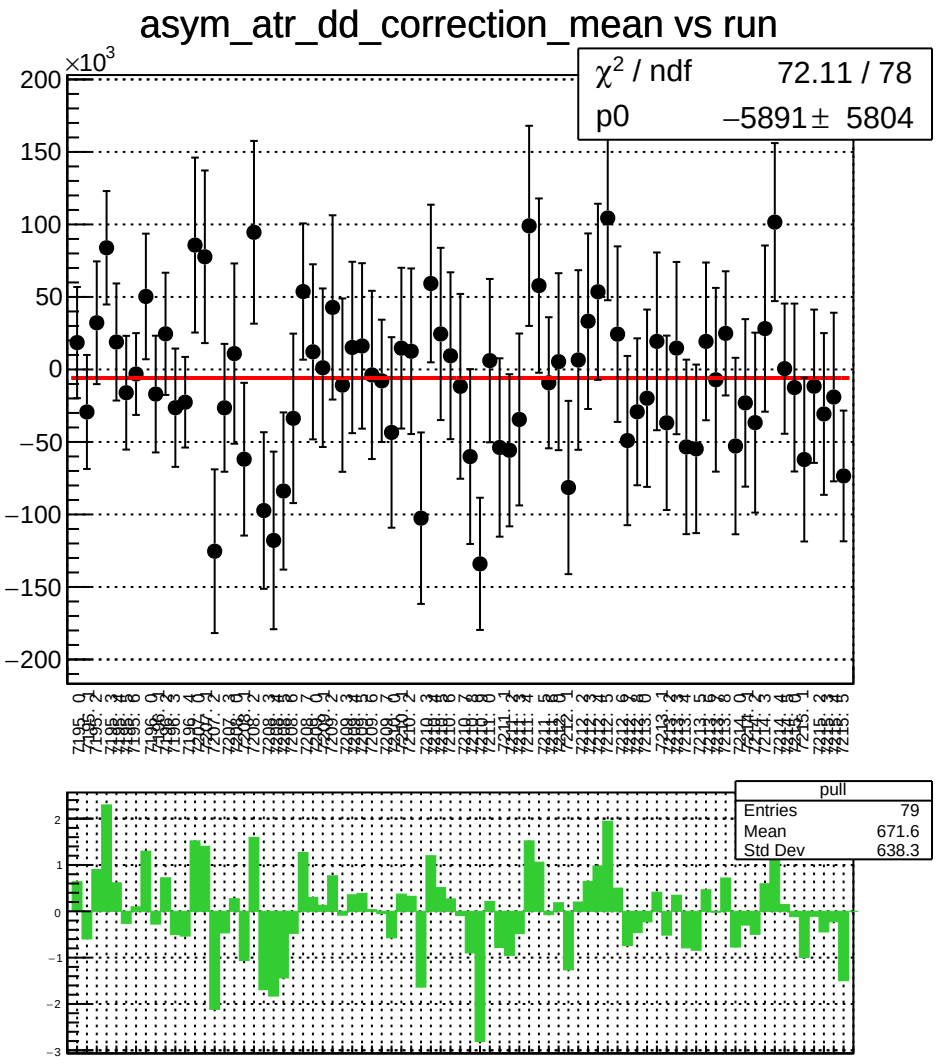

pull1D
Entries 79
Mean 0.009698
Std Dev 0.9723

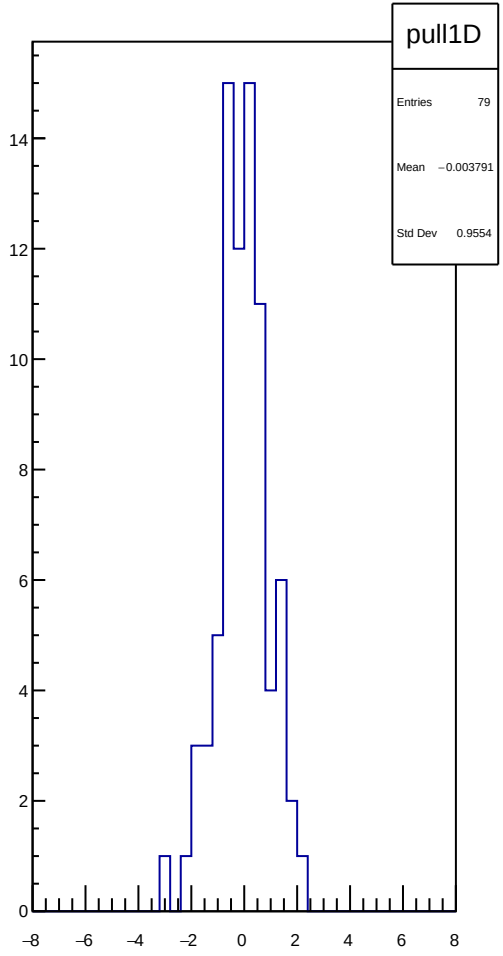

asym_atr_avg_rms vs run
χ^2 / ndf 2.233e+04 / 78
p0 5968 ± 4.8
7500
7000
6500
6000
5500
5000
4500

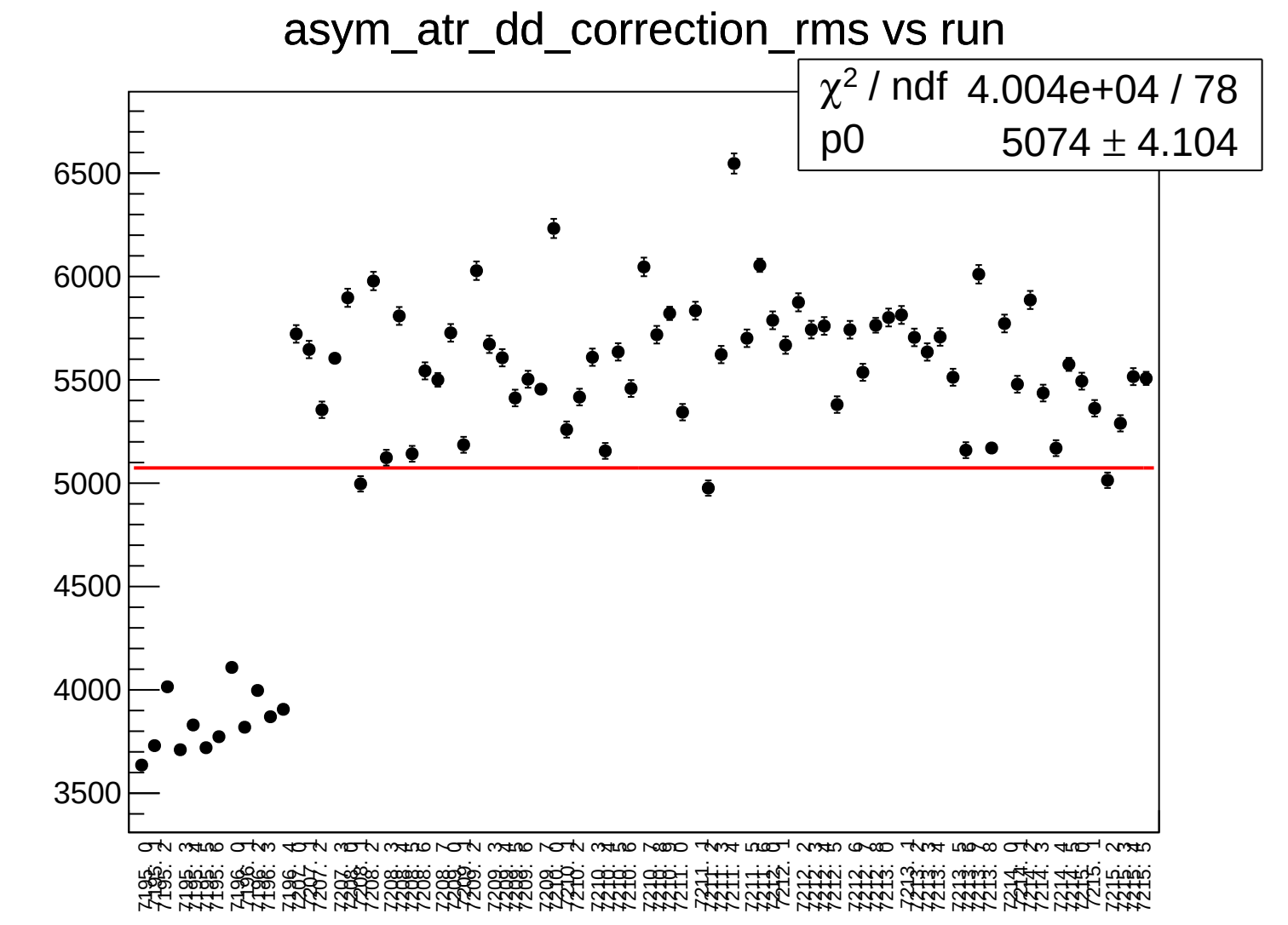

dit_asym_atr_dd_mean vs run
χ² / ndf 58.25 / 78
p0 −1766 ± 2203
pull
Entries 79
Mean −260.9
Std Dev 303.4
pull1D
Entries 79
Mean −0.007147
Std Dev 0.8586

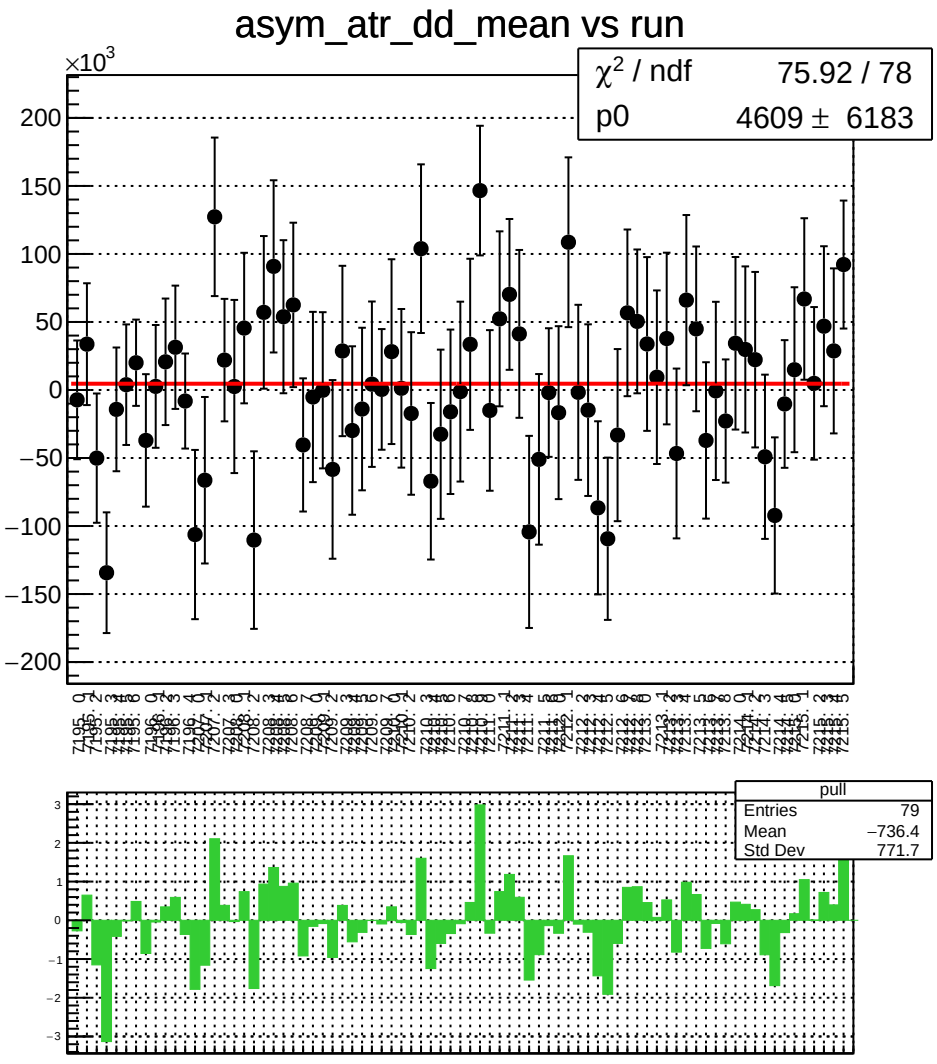
dit_asym_atr_dd_rms vs run

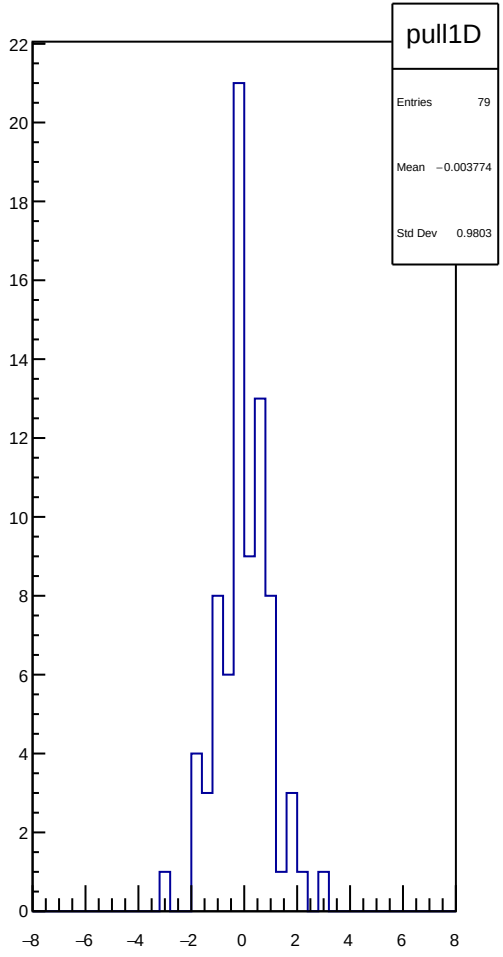


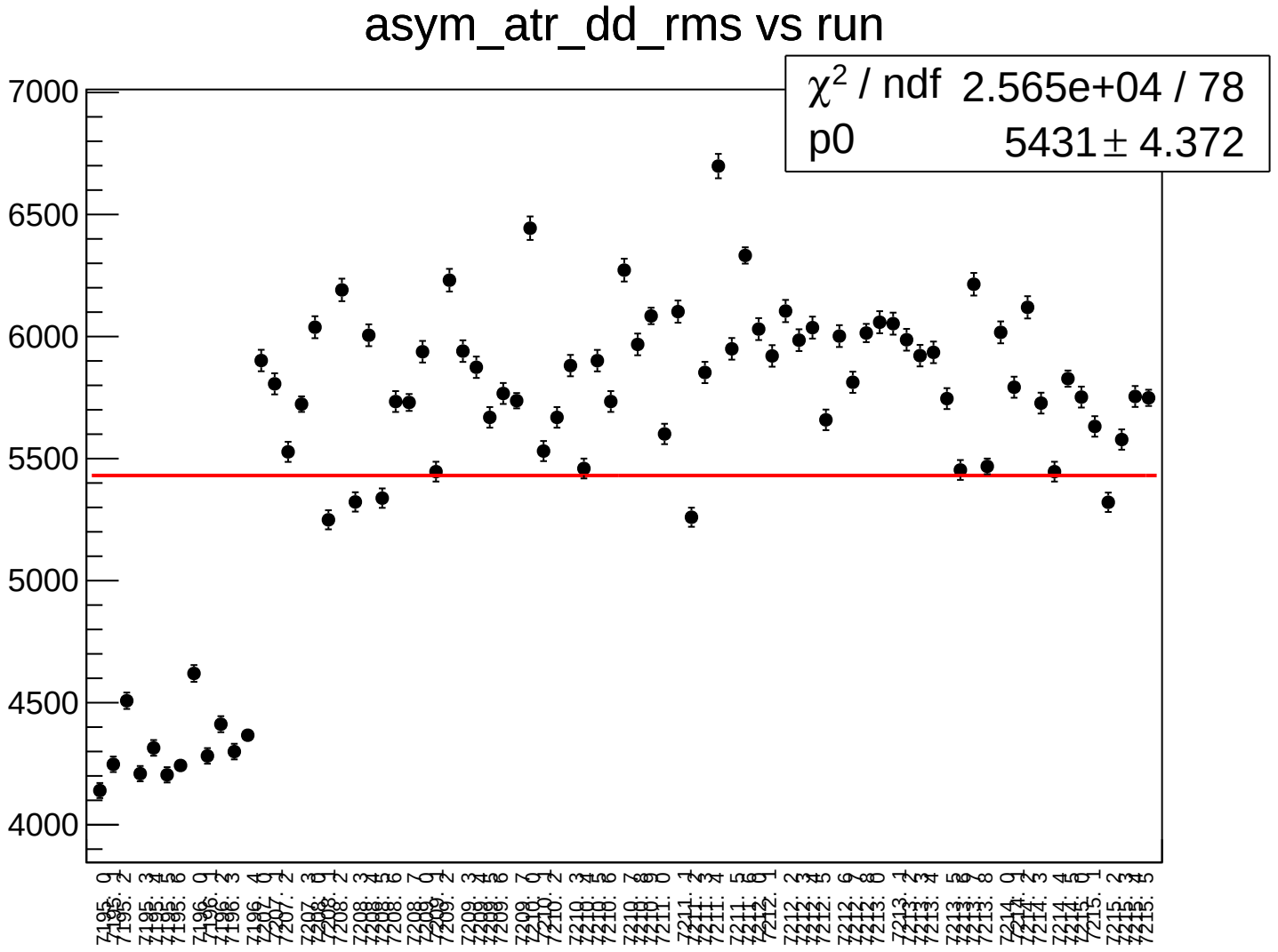

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 72.11 / 78
p0 −5891 ± 5804
pull
Entries 79
Mean 671.6
Std Dev 638.3

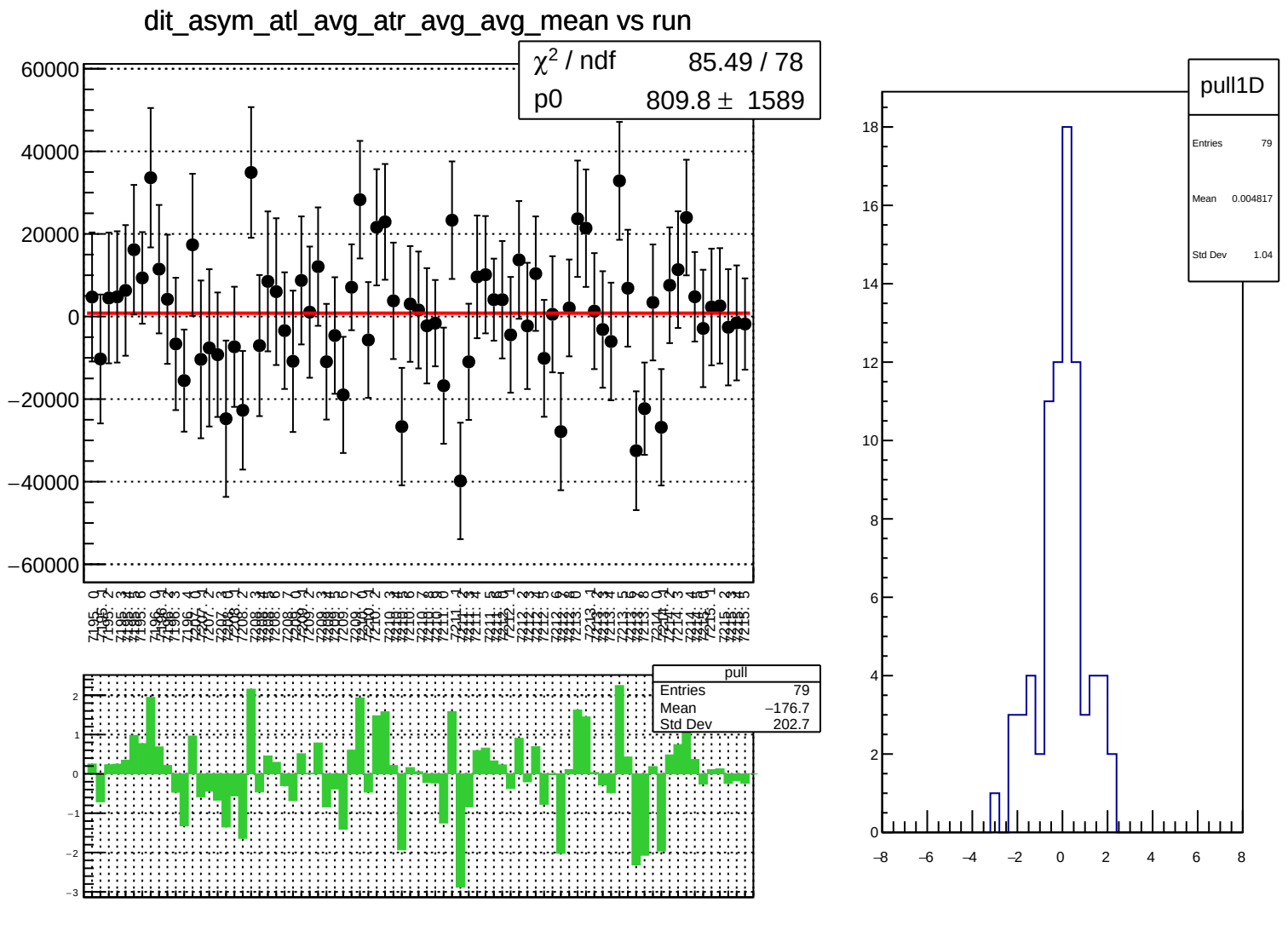

pull1D
Entries 79
Mean −0.003791
Std Dev 0.9554

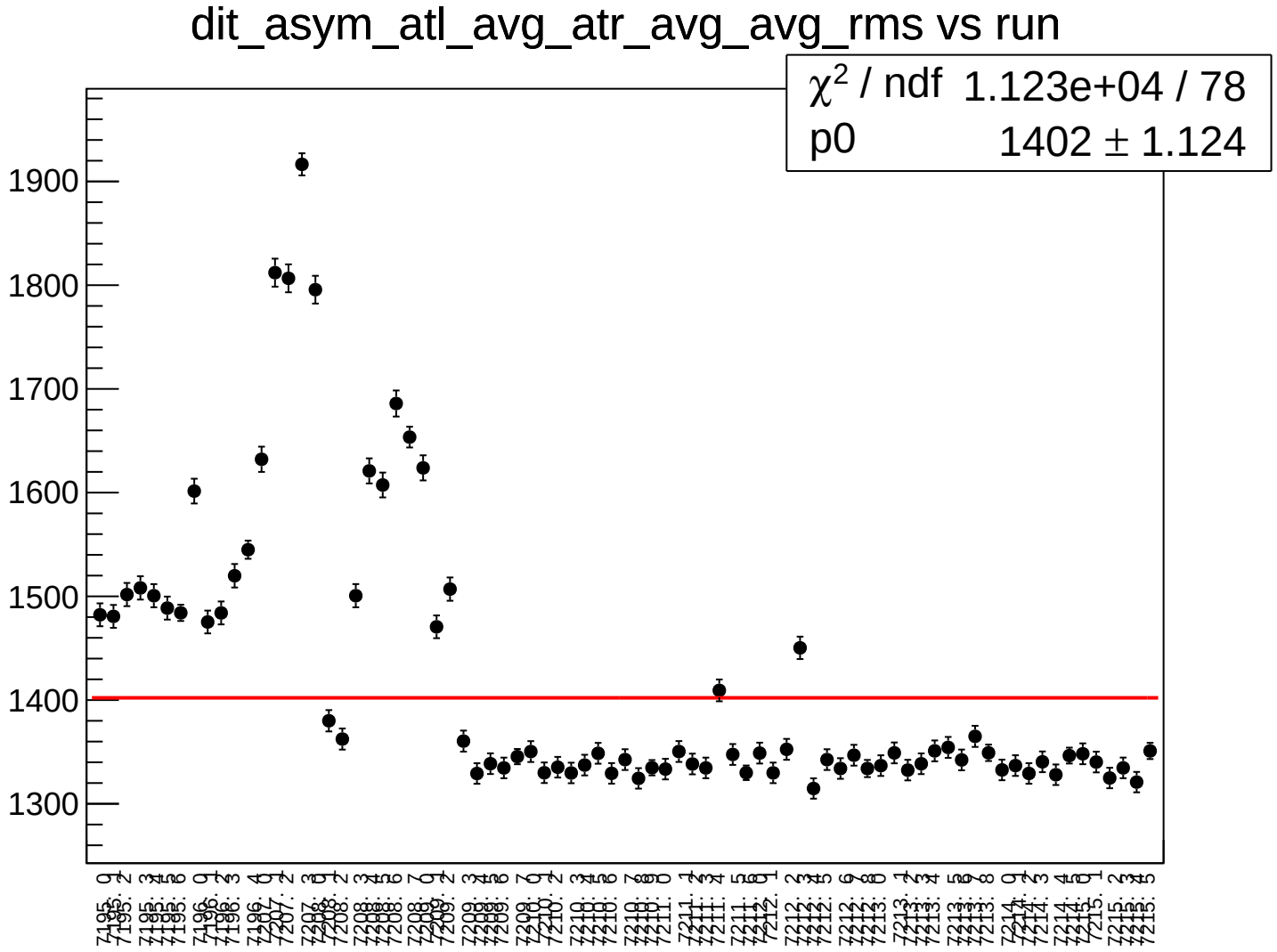

asym_atr_dd_correction_rms vs run
χ^2 / ndf 4.004e+04 / 78
p0 5074 ± 4.104
6500
6000
5500
5000
4500
4000
3500

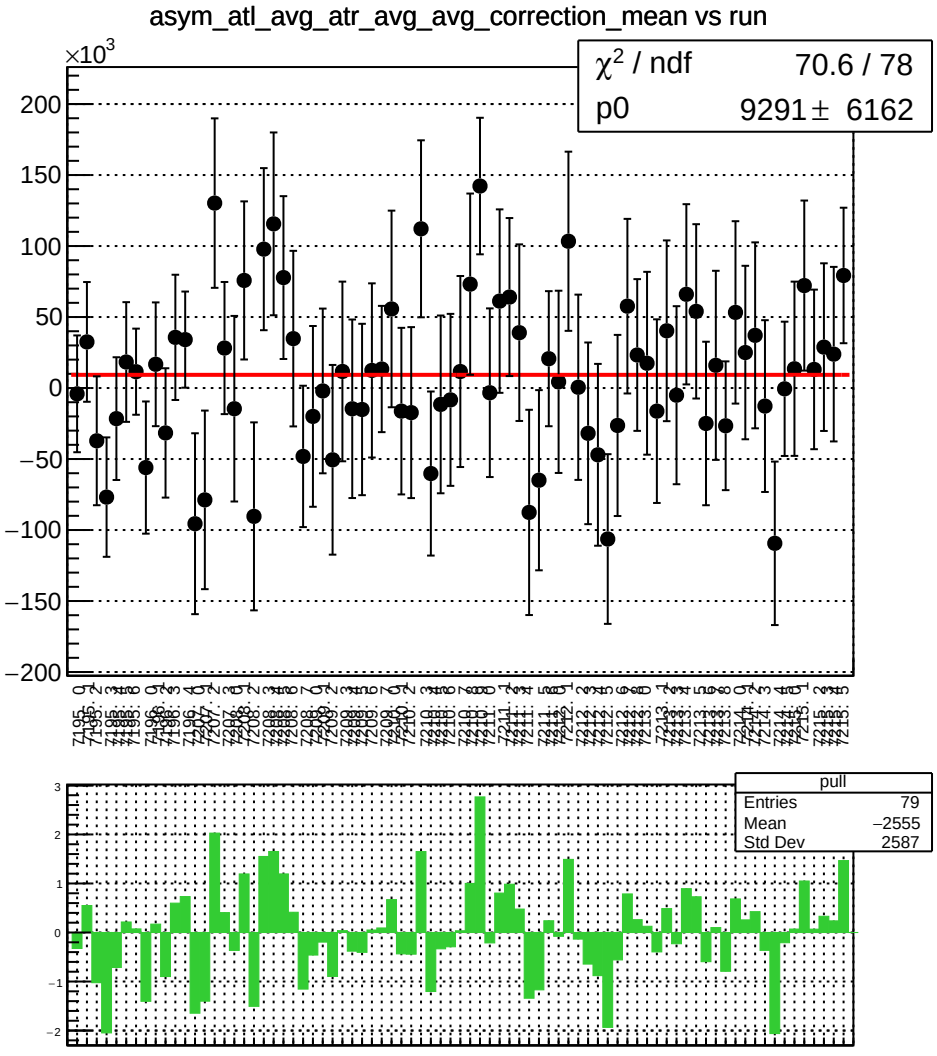

asym_atr_dd_mean vs run
×10^3
χ² / ndf 75.92 / 78
p0 4609 ± 6183
pull
Entries 79
Mean −736.4
Std Dev 771.7

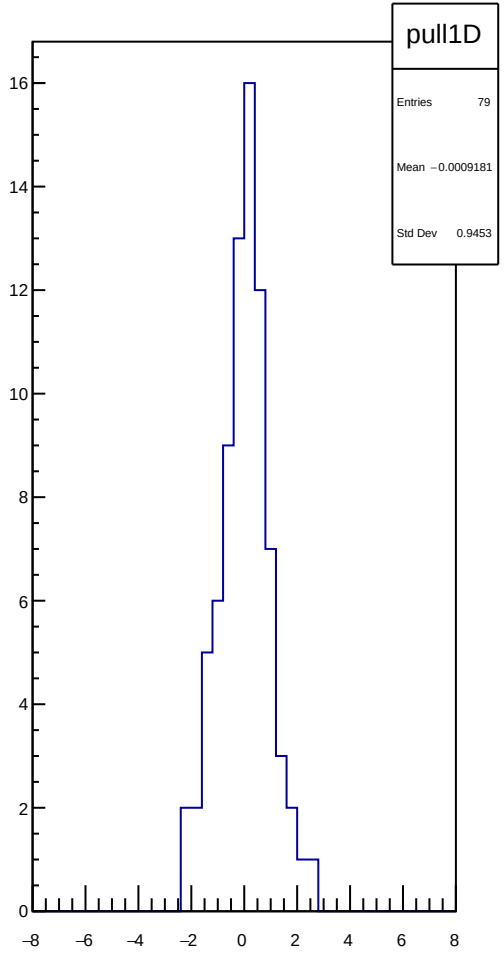

pull1D
Entries 79
Mean −0.003774
Std Dev 0.9803

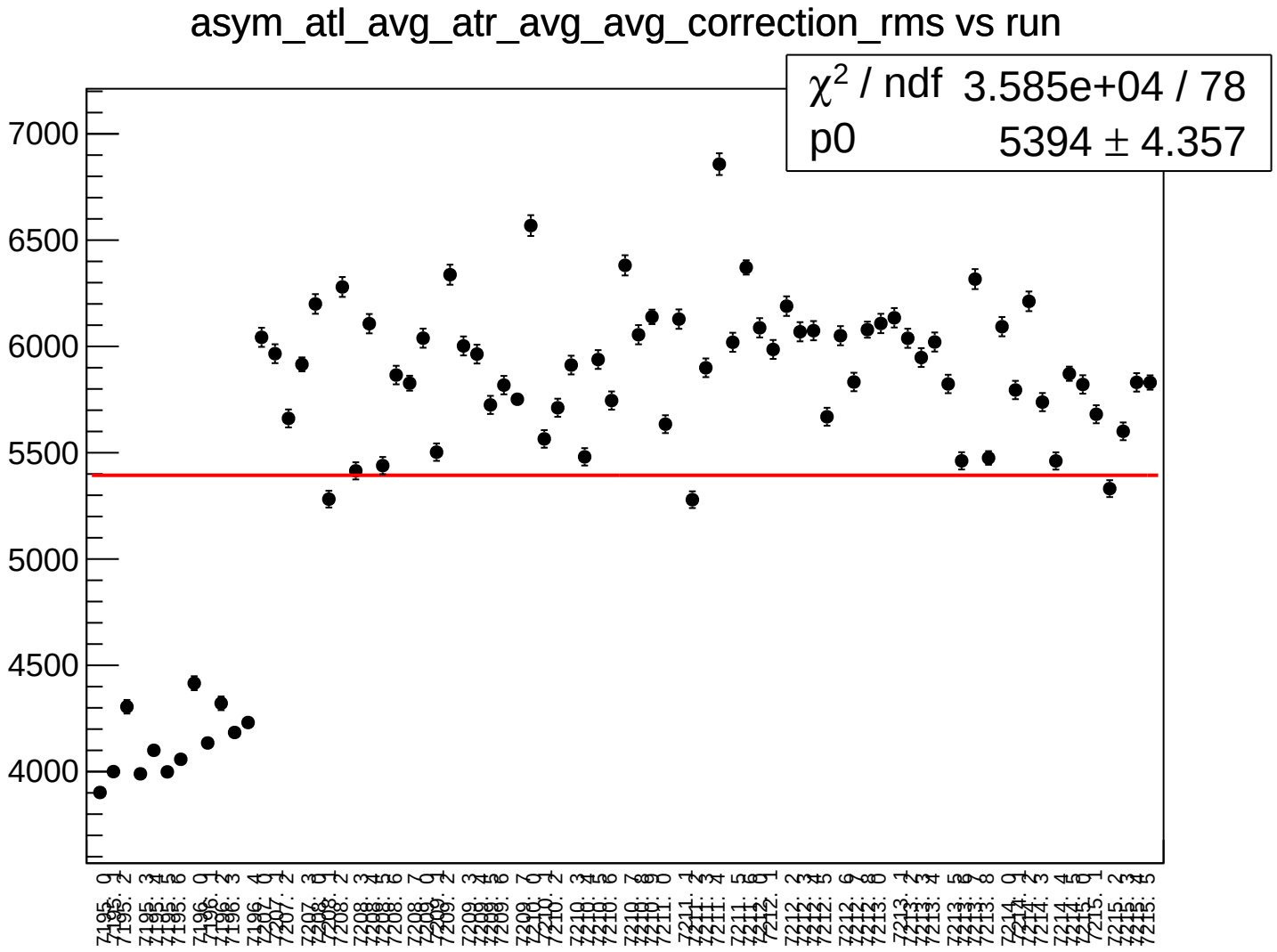

asym_atr_dd_rms vs run
χ^2 / ndf 2.565e+04 / 78
p0 5431 ± 4.372
7000
6500
6000
5500
5000
4500
4000

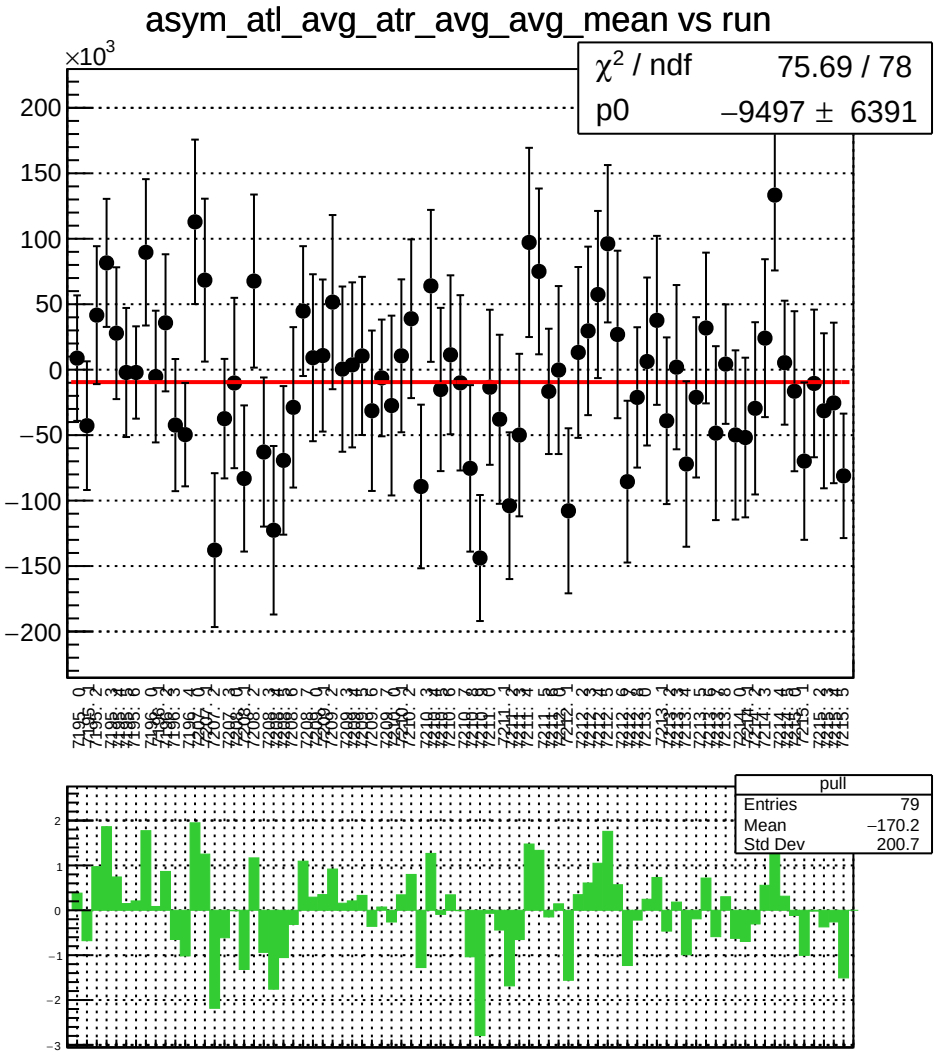

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 85.49 / 78
p0 809.8 ± 1589
pull
Entries 79
Mean −176.7
Std Dev 202.7
pull1D
Entries 79
Mean 0.004817
Std Dev 1.04

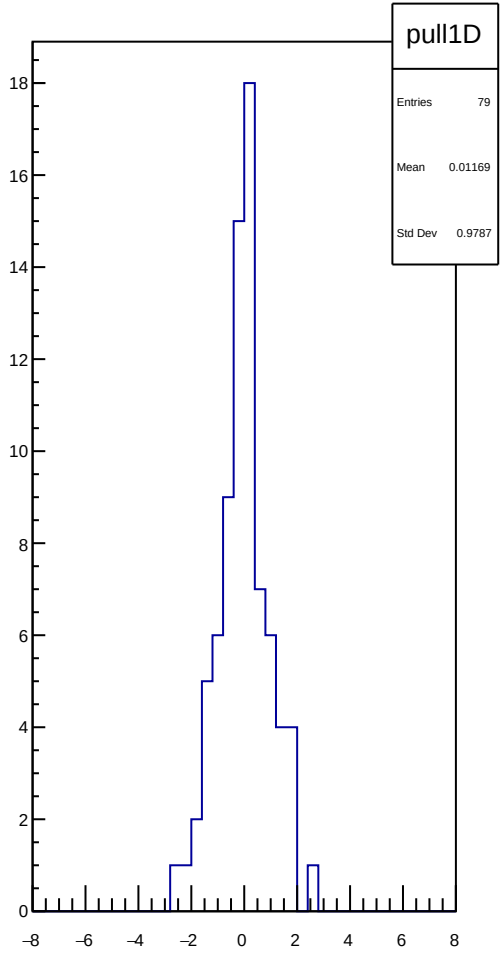

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.123e+04 / 78
p0 1402 ± 1.124
1900
1800
1700
1600
1500
1400
1300

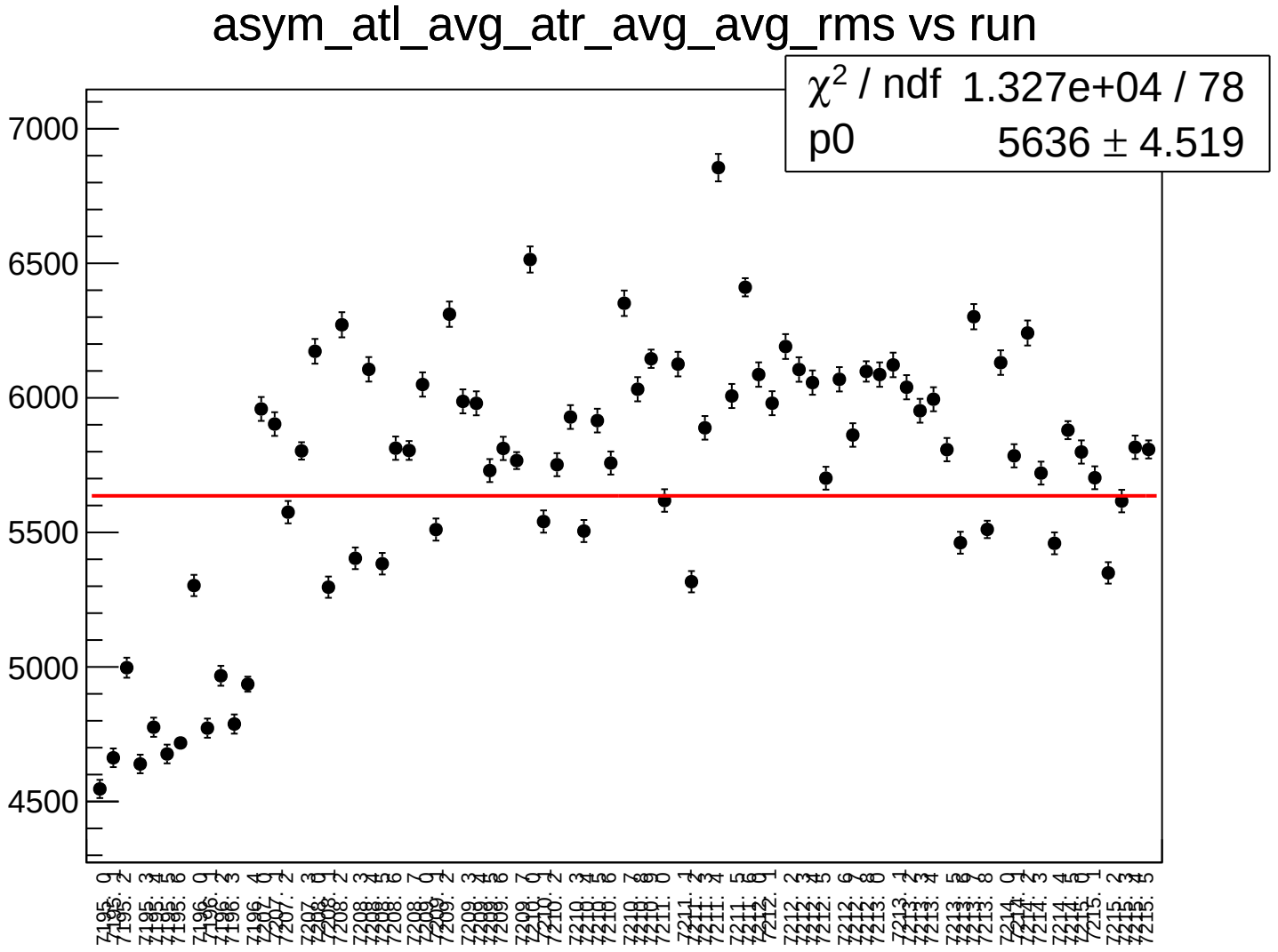

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 70.6 / 78
p0 9291 ± 6162
pull
Entries 79
Mean −2555
Std Dev 2587

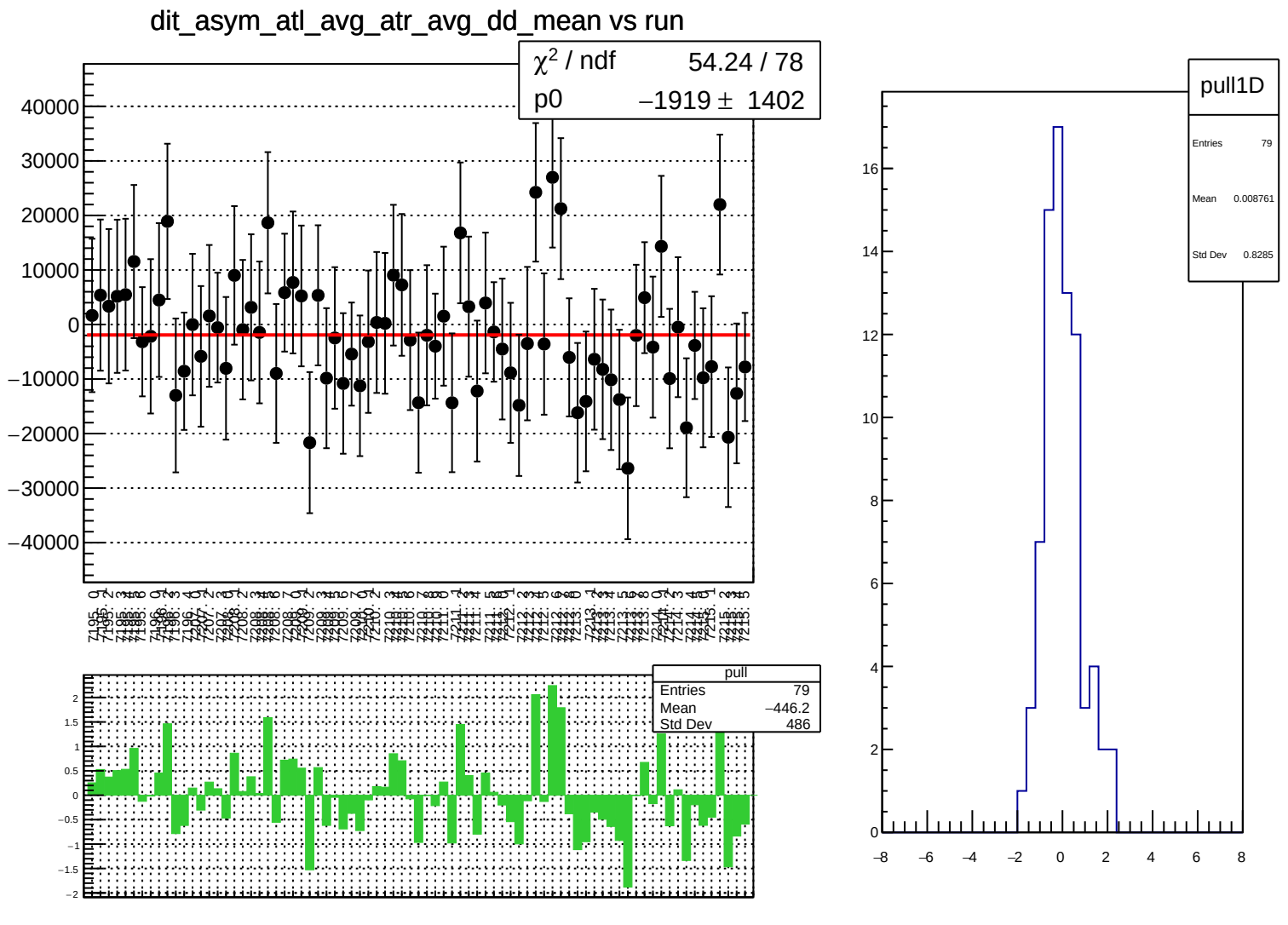

pull1D
Entries 79
Mean −0.0009181
Std Dev 0.9453

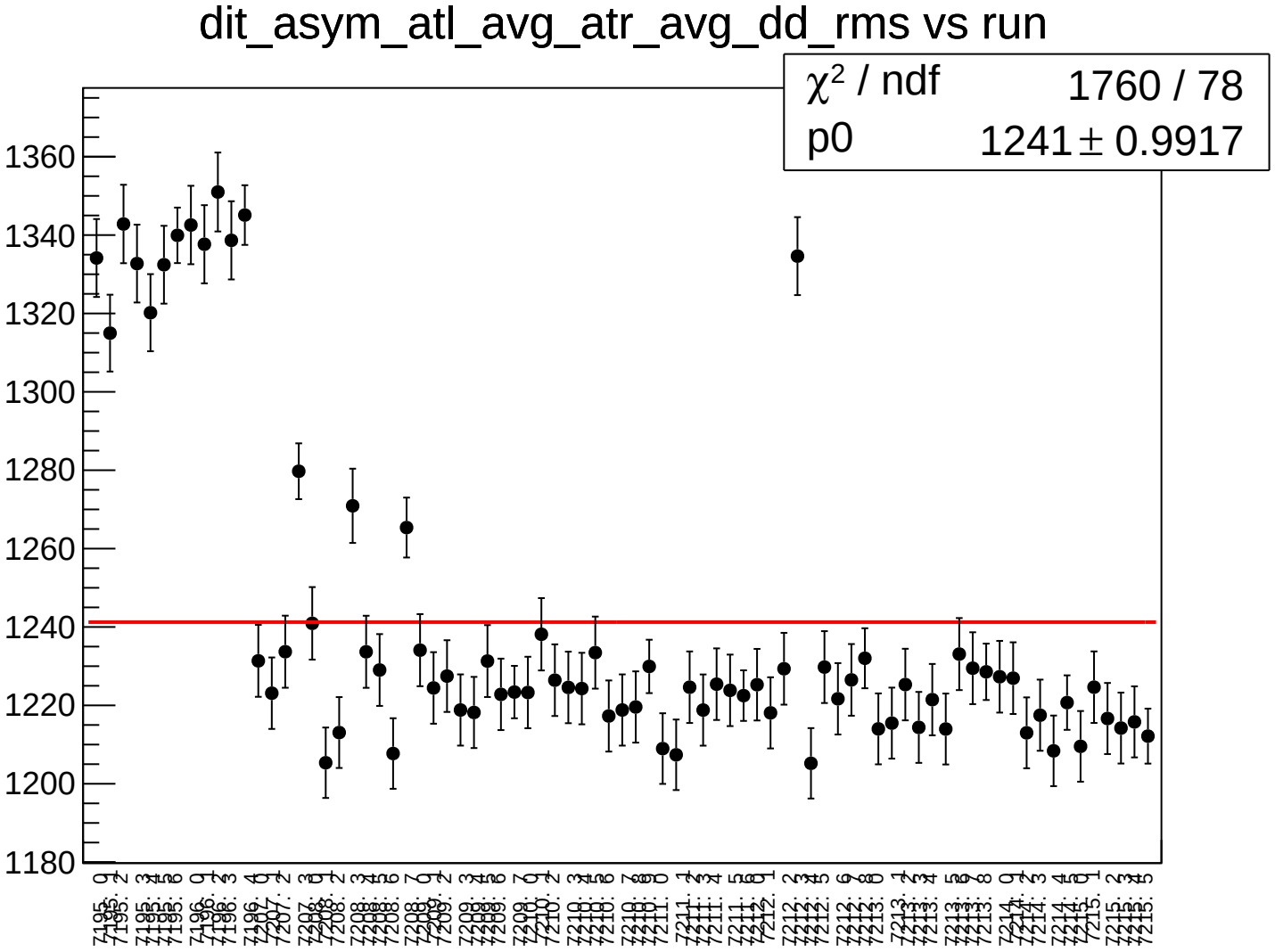

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 3.585e+04 / 78
p0 5394 ± 4.357
7000
6500
6000
5500
5000
4500
4000

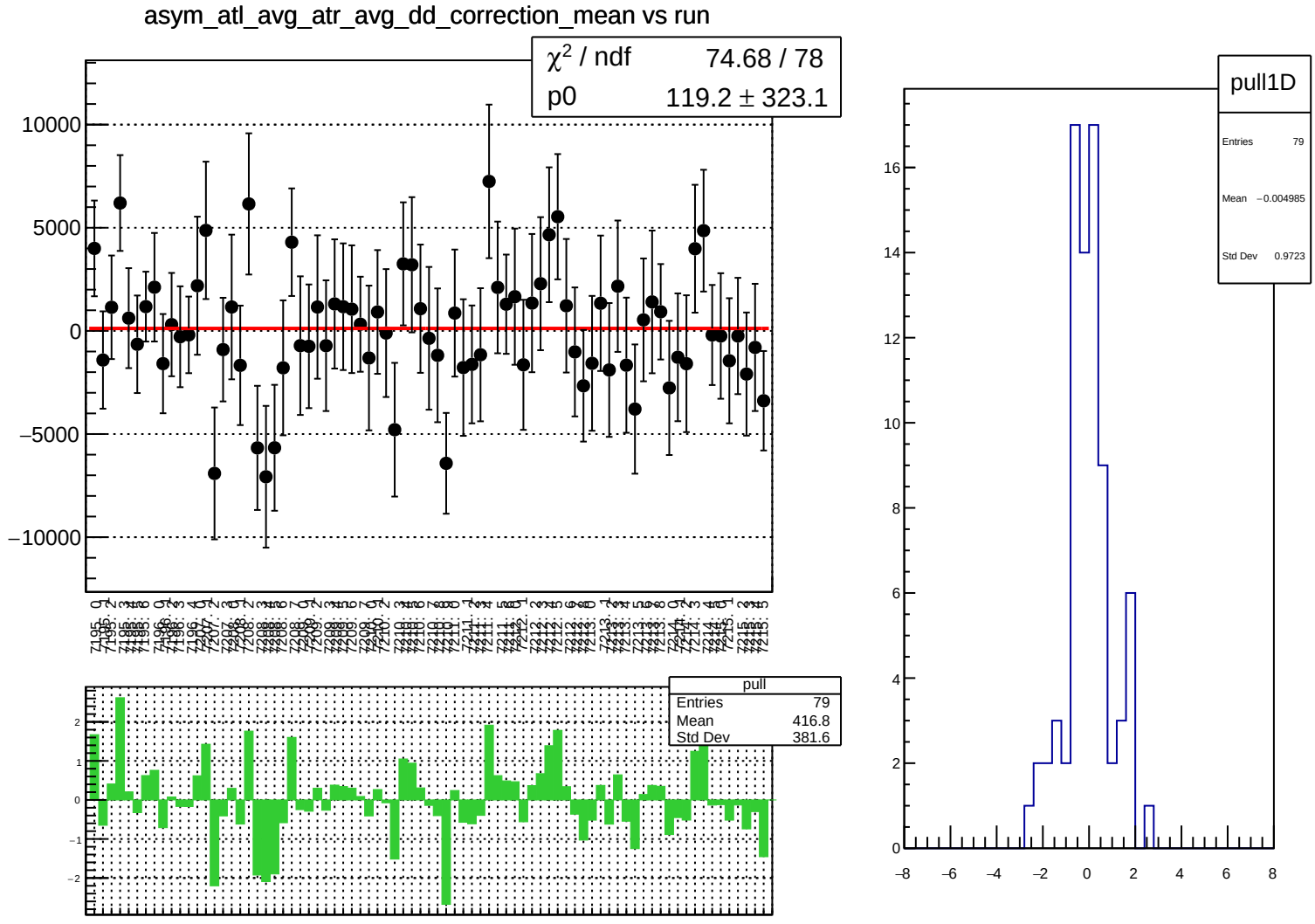

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 75.69 / 78
p0 −9497 ± 6391
pull
Entries 79
Mean −170.2
Std Dev 200.7

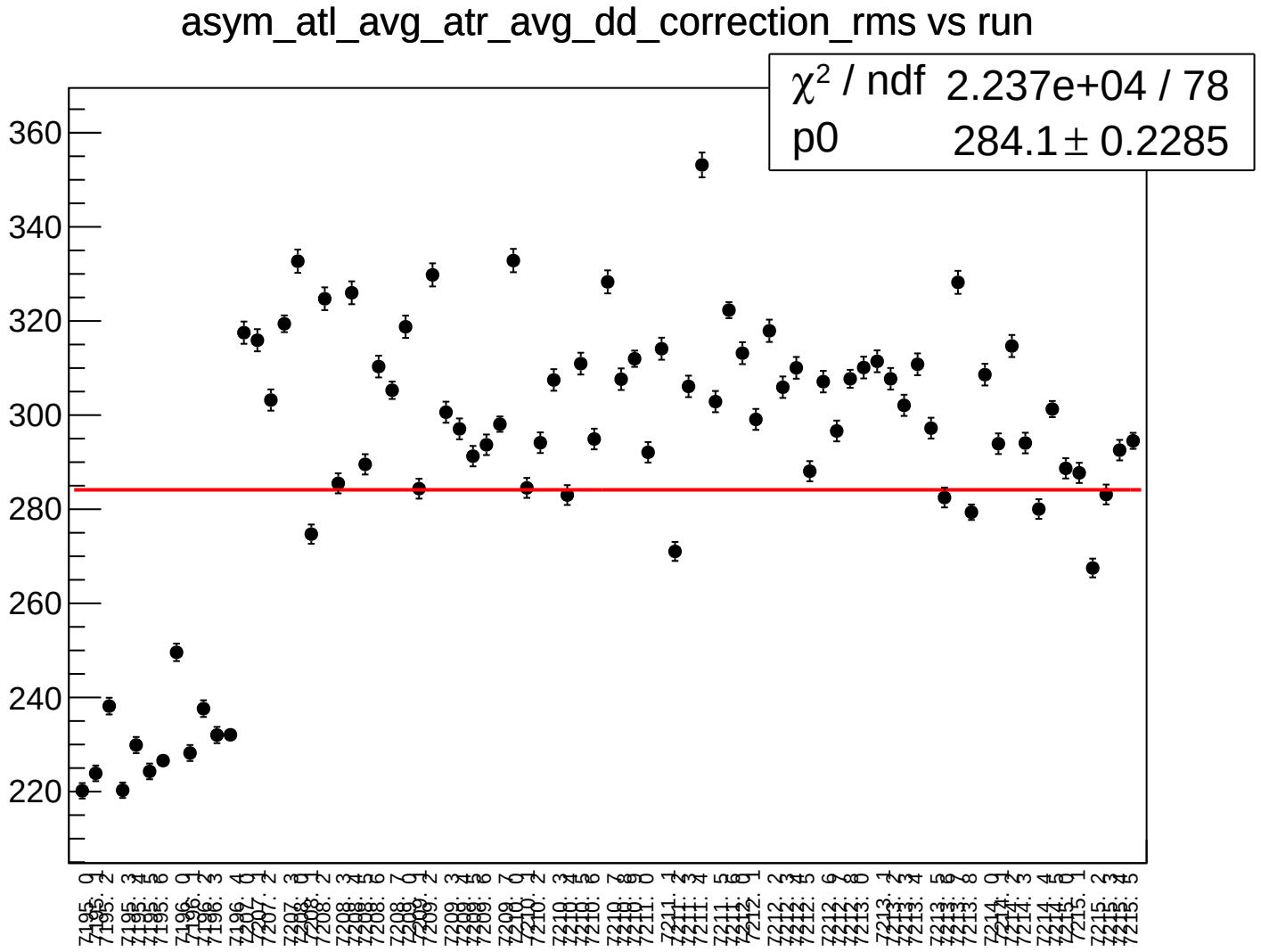

pull1D
Entries 79
Mean 0.01169
Std Dev 0.9787

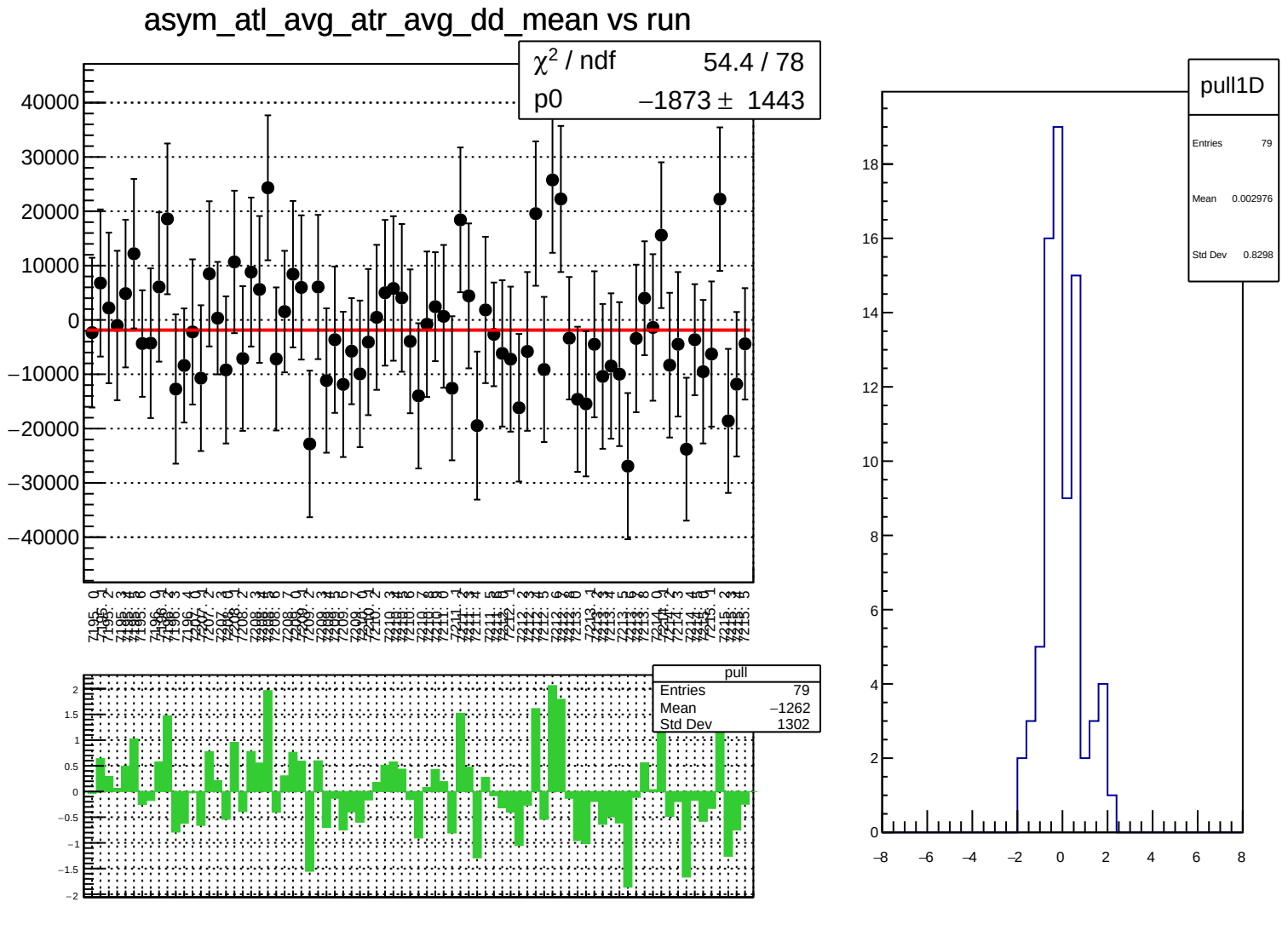

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.327e+04 / 78
p0 5636 ± 4.519
7000
6500
6000
5500
5000
4500


dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 54.24 / 78
p0 −1919 ± 1402
pull
Entries 79
Mean −446.2
Std Dev 486
pull1D
Entries 79
Mean 0.008761
Std Dev 0.8285

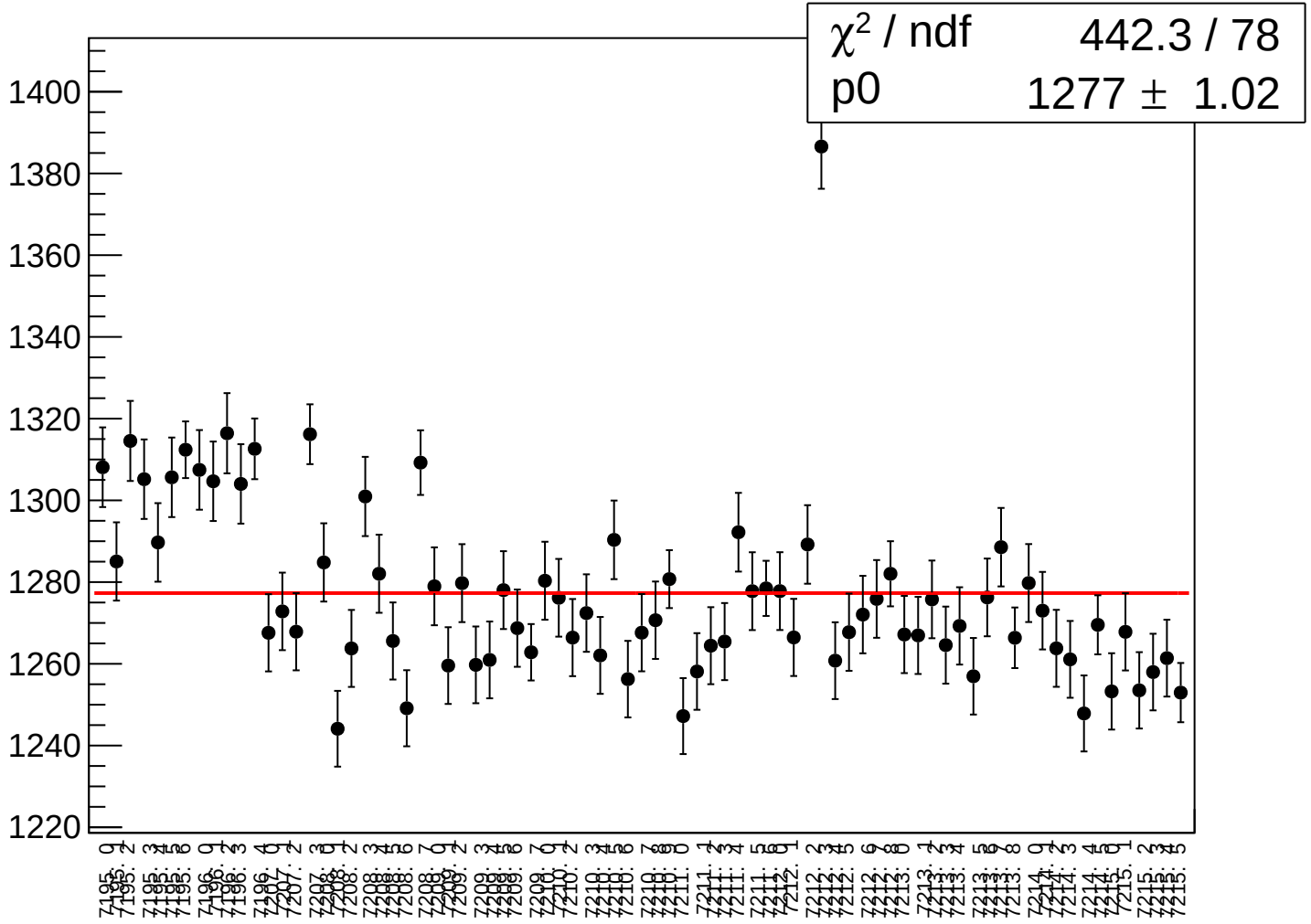

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1760 / 78
p0 1241 ± 0.9917
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

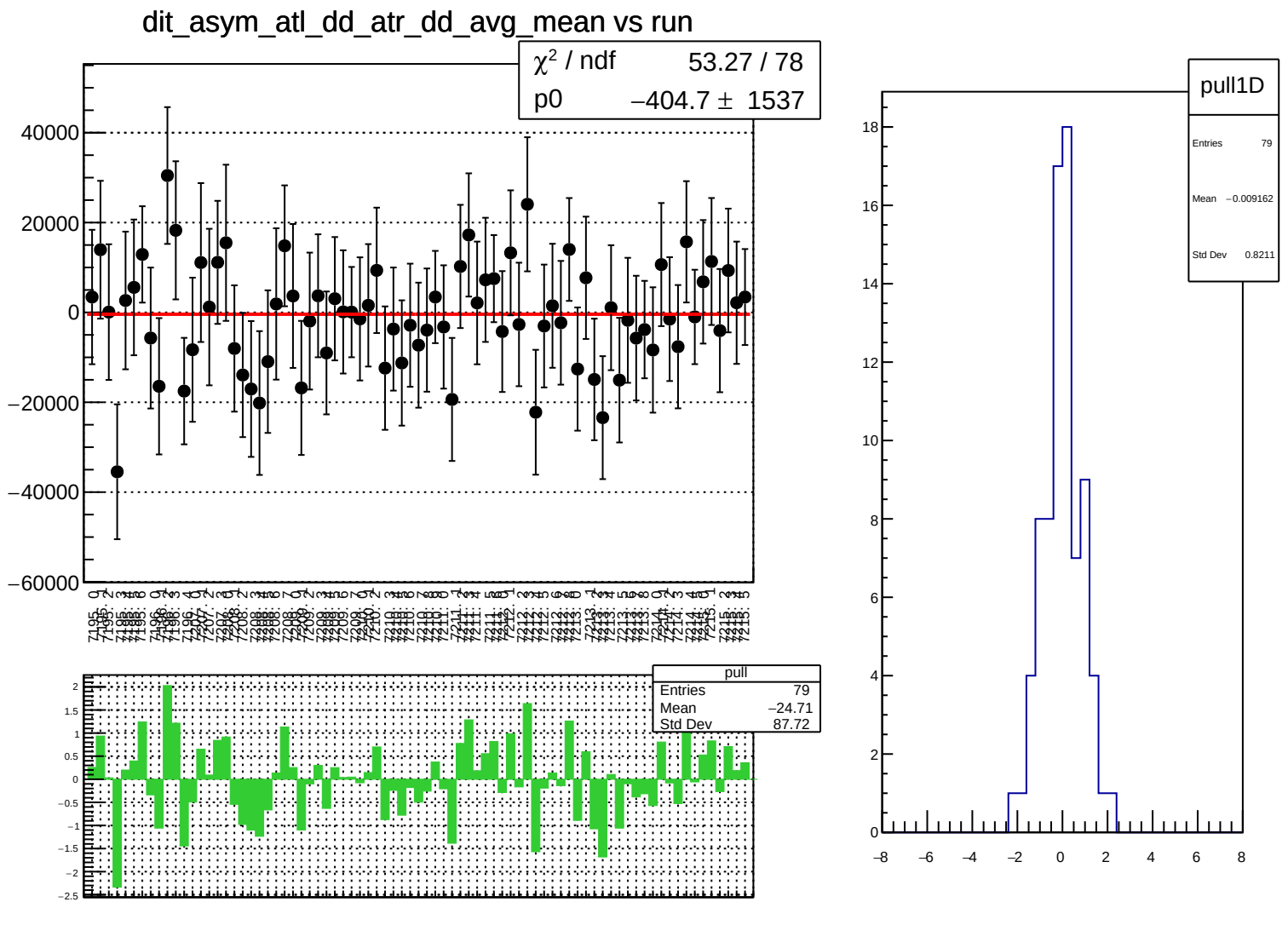

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 74.68 / 78
p0 119.2 ± 323.1
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 416.8
Std Dev 381.6
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.004985
Std Dev 0.9723
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2.237e+04 / 78
p0 284.1 ± 0.2285
360
340
320
300
280
260
240
220

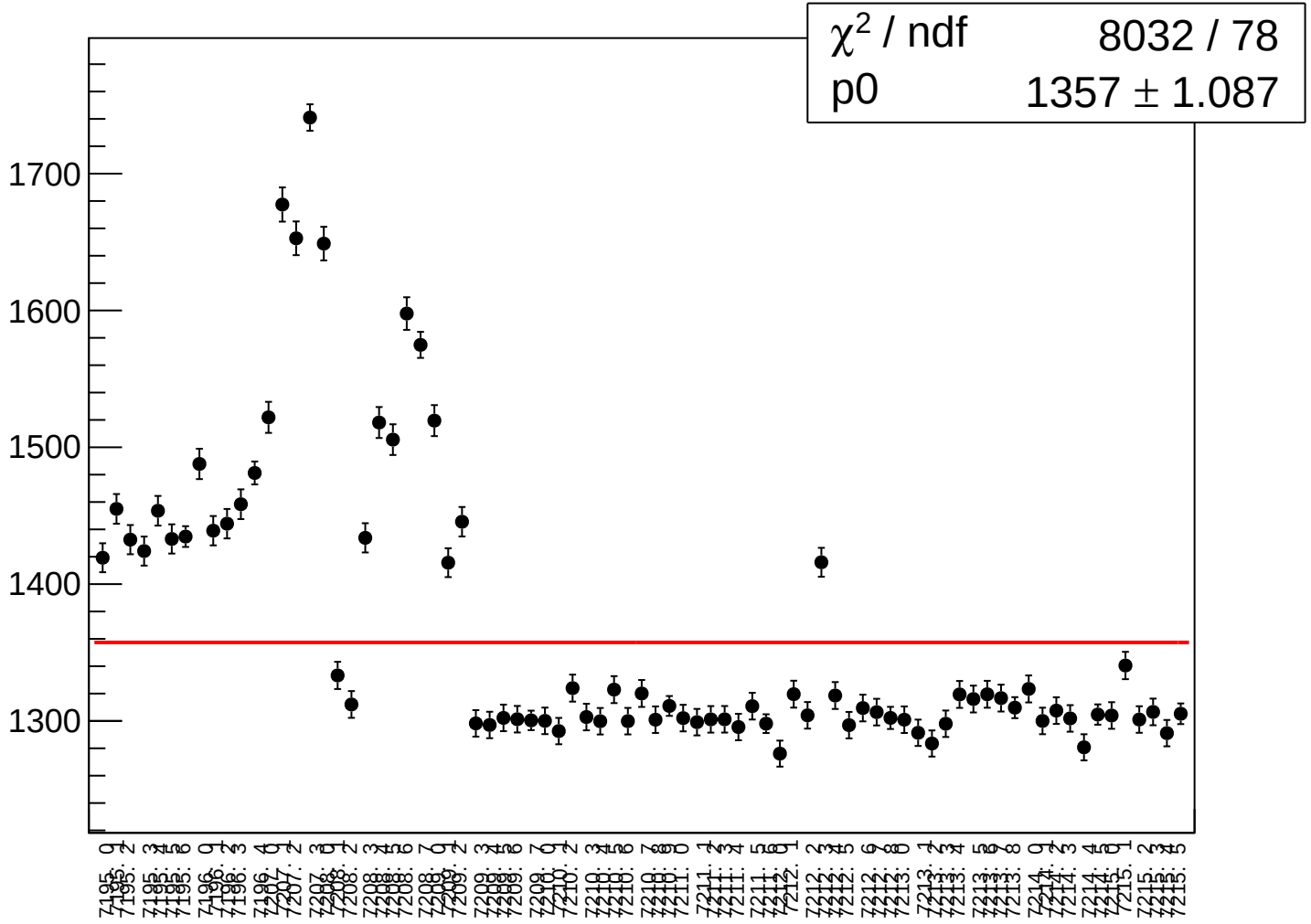

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 54.4 / 78
p0 −1873 ± 1443
pull
Entries 79
Mean −1262
Std Dev 1302
pull1D
Entries 79
Mean 0.002976
Std Dev 0.8298

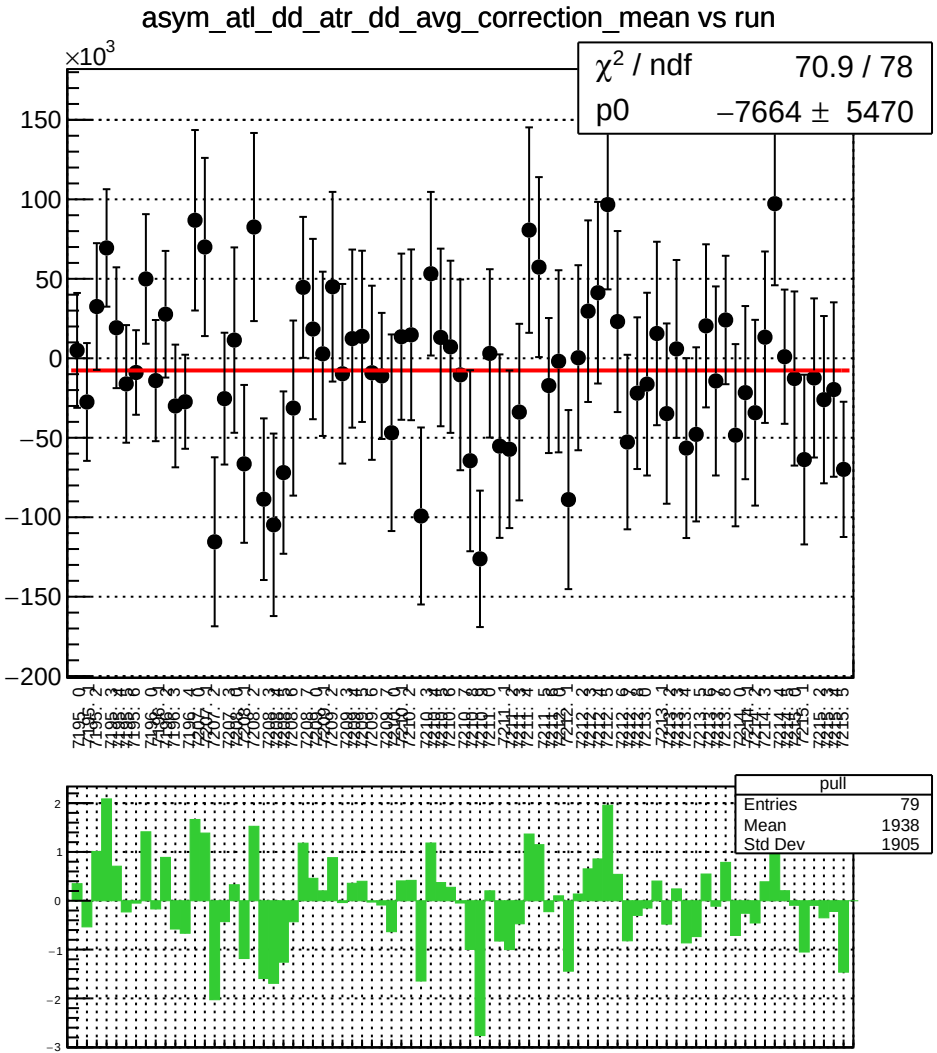
asym_atl_avg_atr_avg_dd_rms vs run

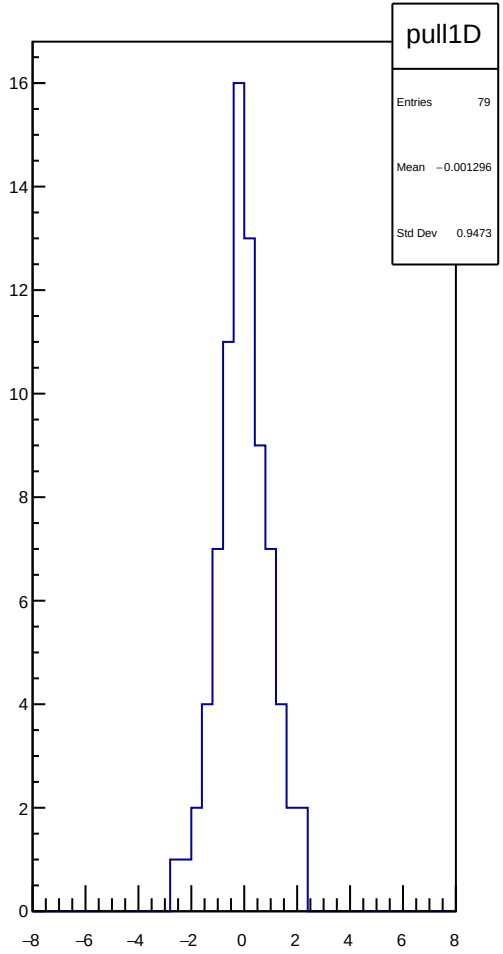


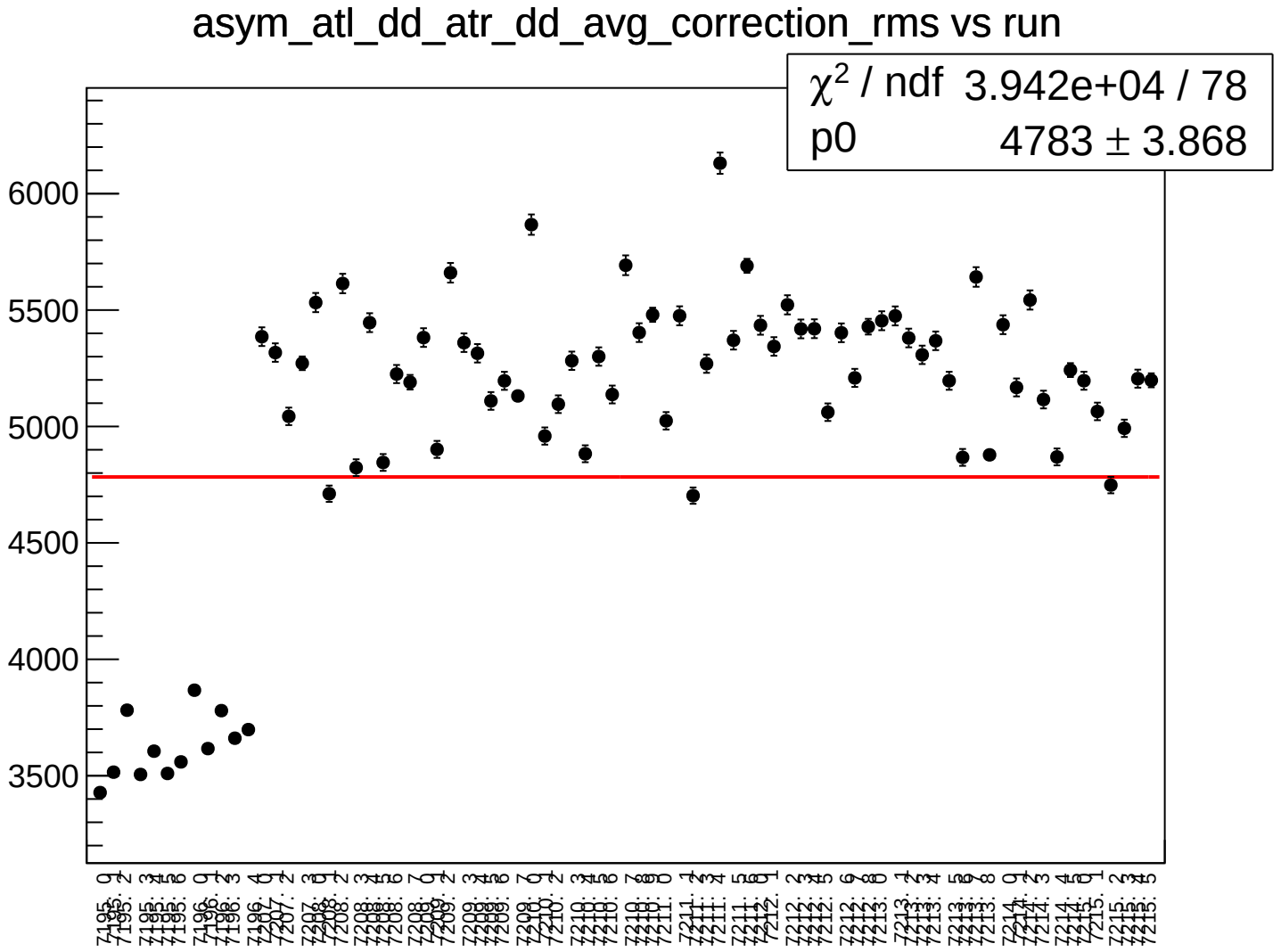

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 53.27 / 78
p0 −404.7 ± 1537
pull
Entries 79
Mean −24.71
Std Dev 87.72
pull1D
Entries 79
Mean −0.009162
Std Dev 0.8211

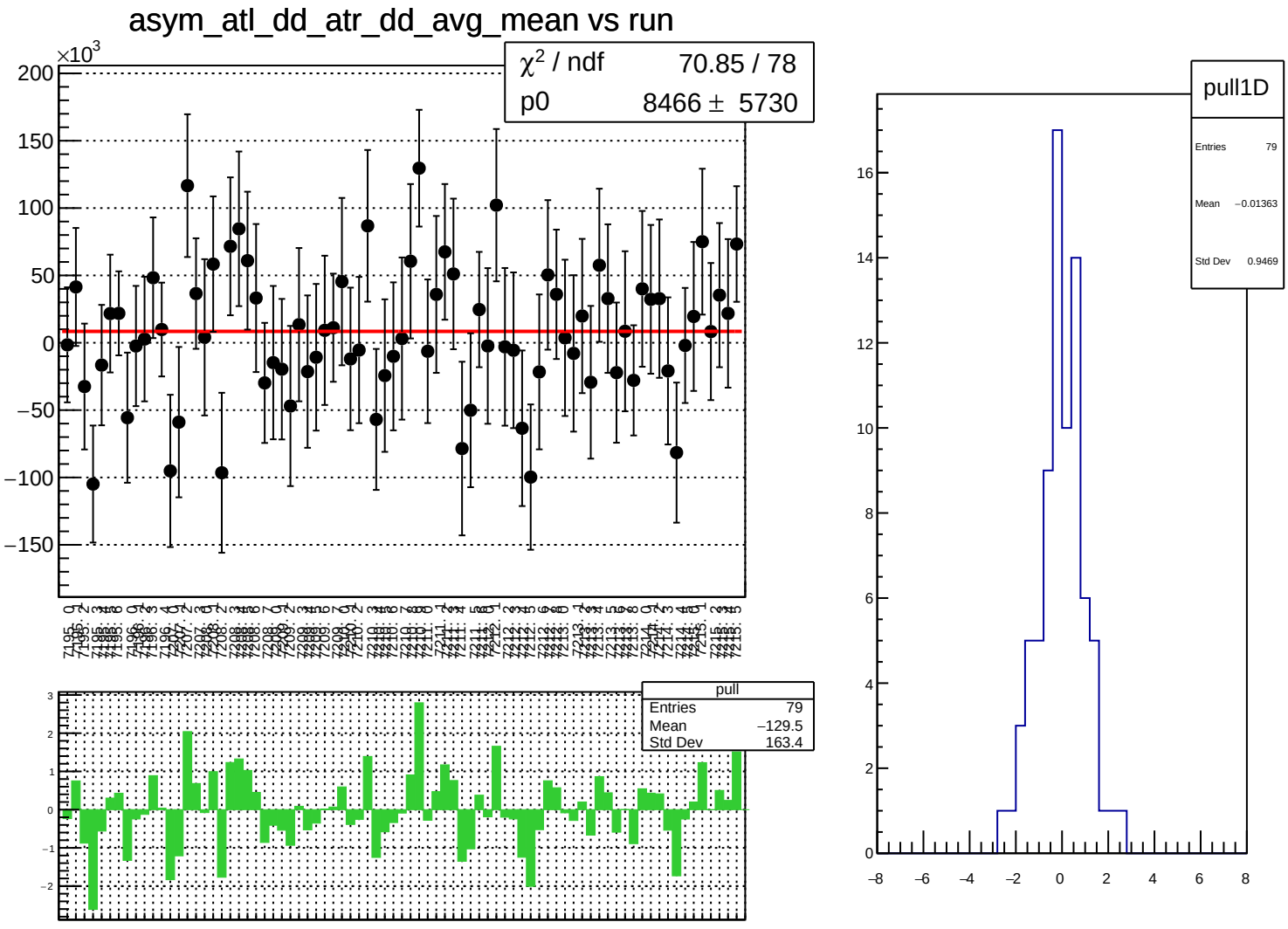
dit_asym_atl_dd_atr_dd_avg_rms vs run

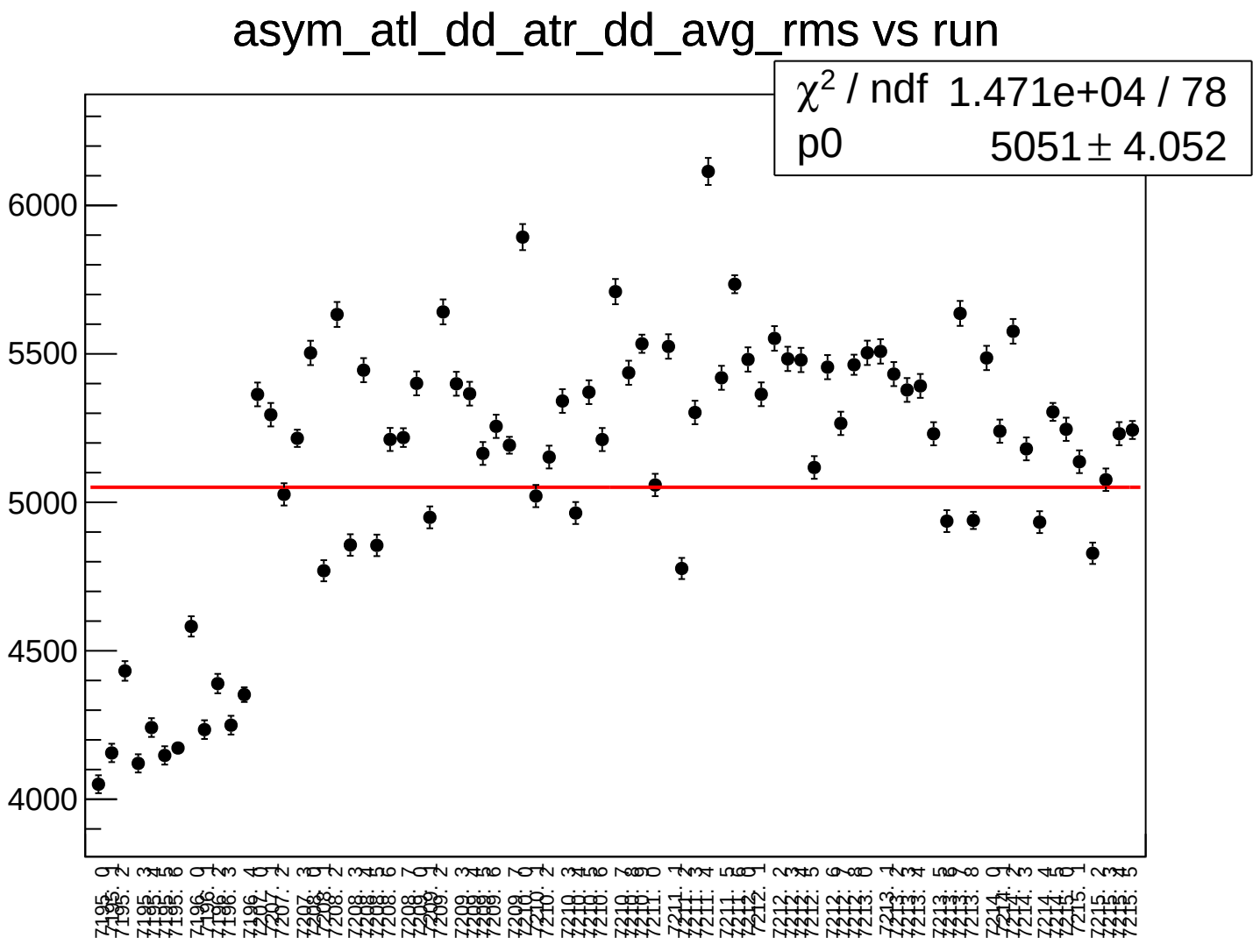


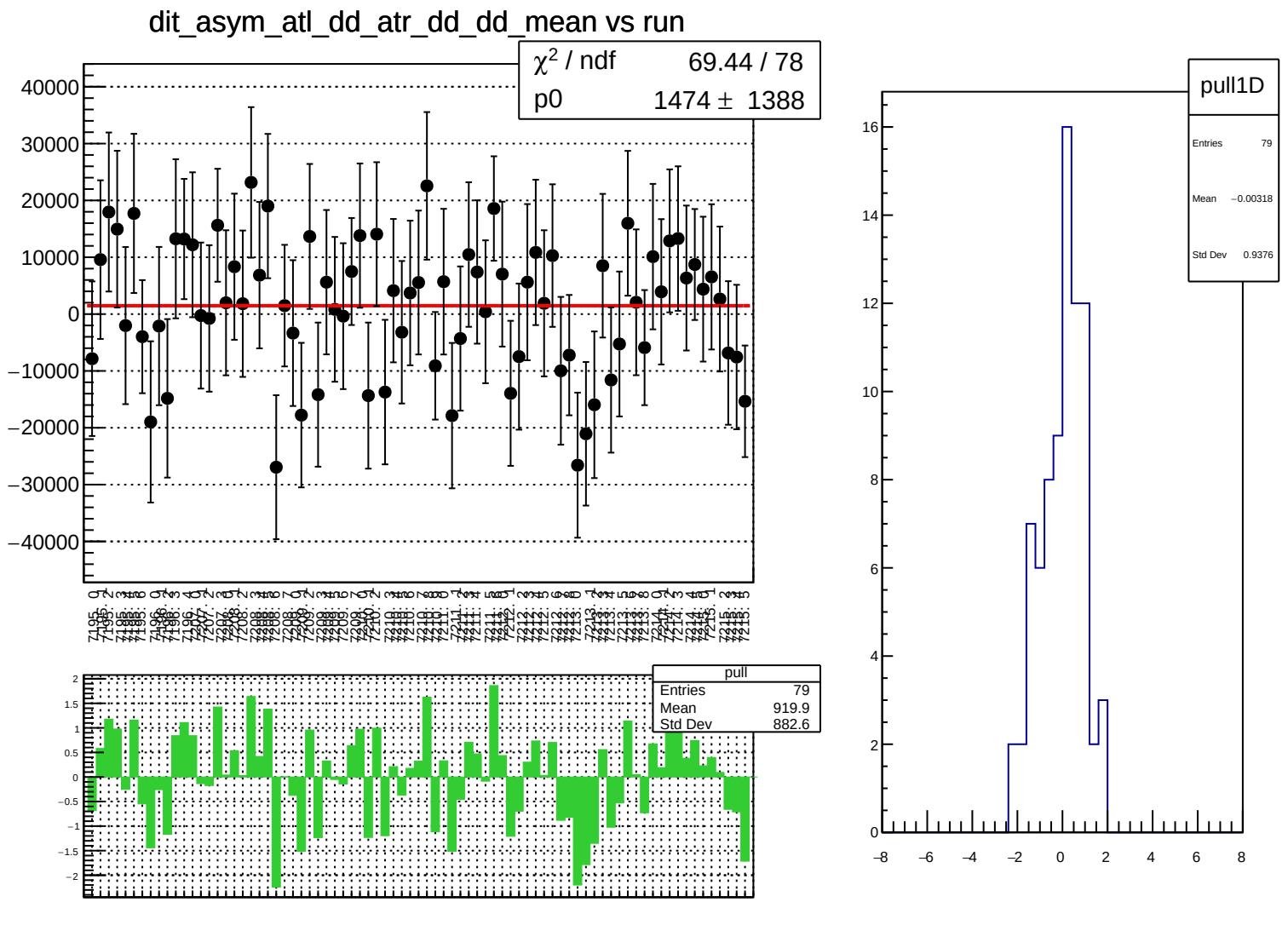

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 70.9 / 78
p0 −7664 ± 5470
pull
Entries 79
Mean 1938
Std Dev 1905


pull1D
Entries 79
Mean −0.001296
Std Dev 0.9473

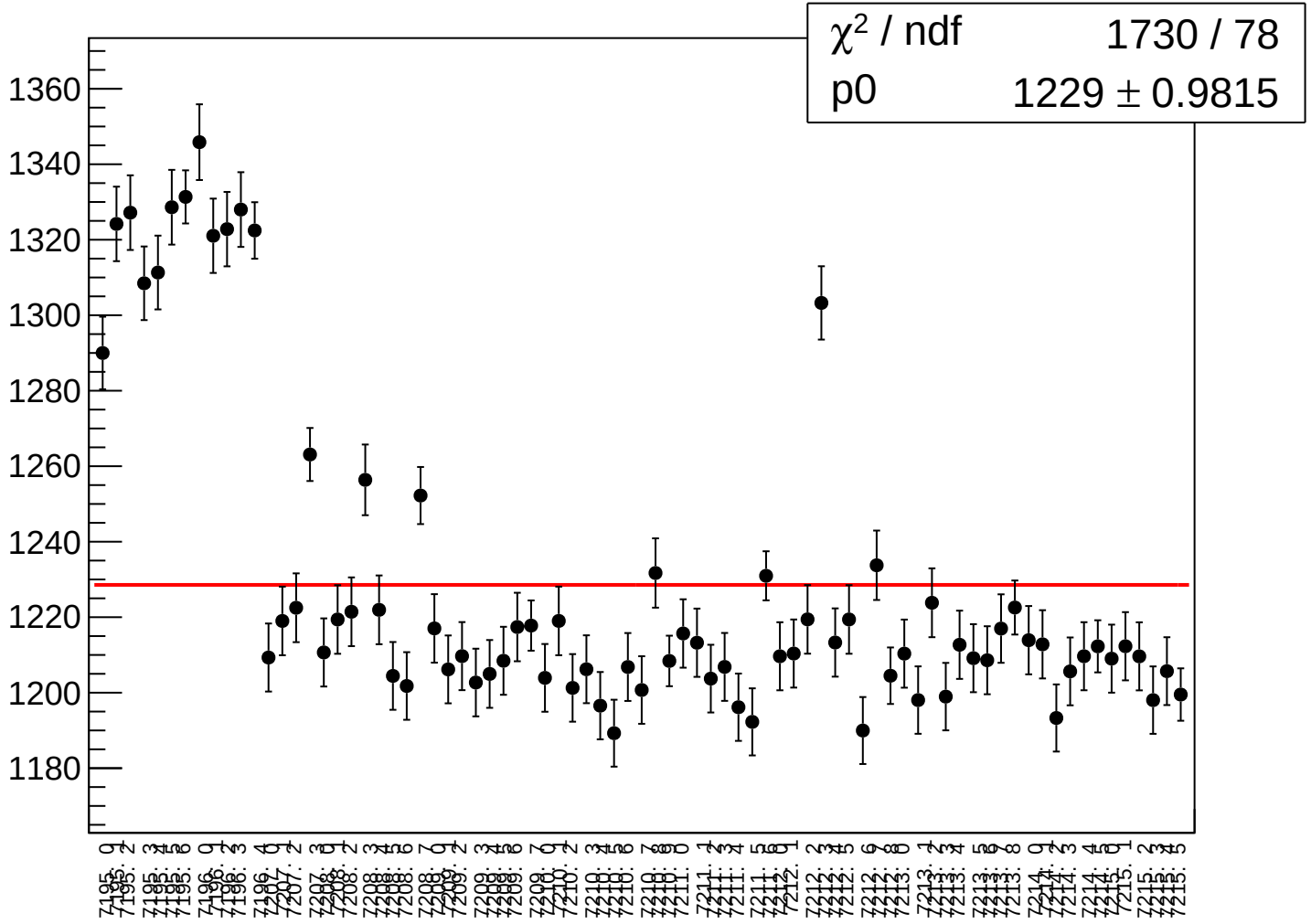

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 3.942e+04 / 78
p0 4783 ± 3.868
6000
5500
5000
4500
4000
3500

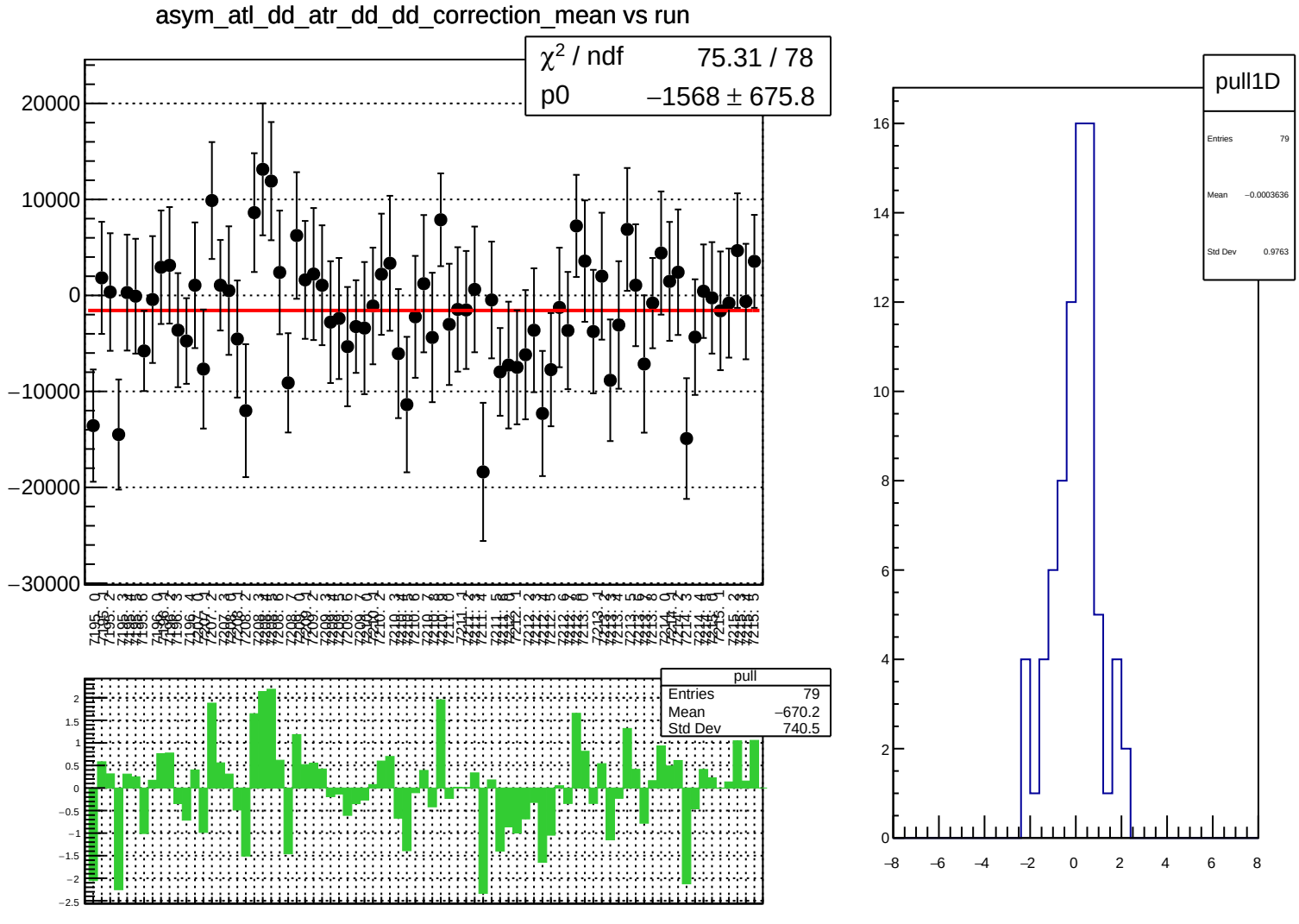

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 70.85 / 78
p0 8466 ± 5730
pull
Entries 79
Mean −129.5
Std Dev 163.4
pull1D
Entries 79
Mean −0.01363
Std Dev 0.9469

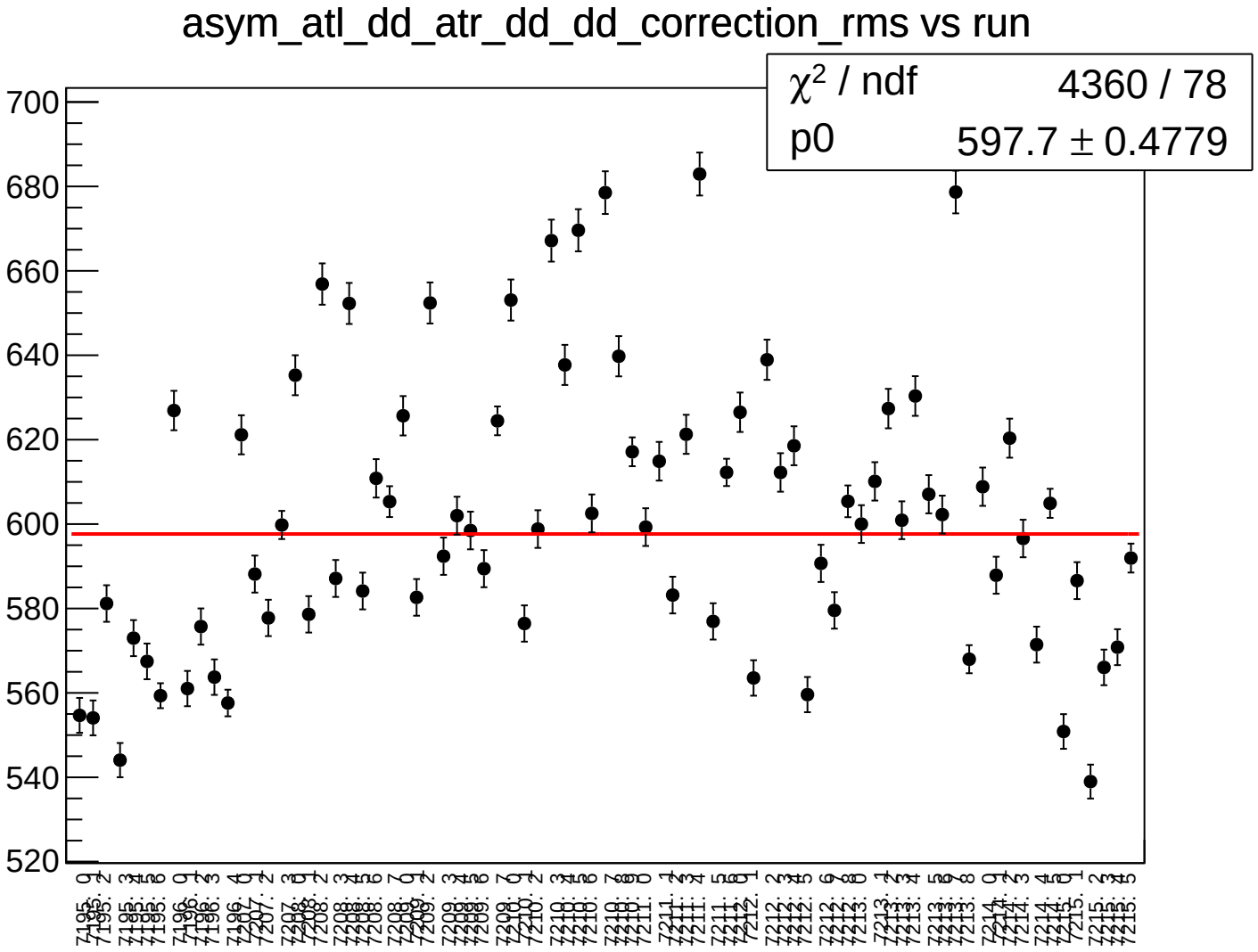

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1.471e+04 / 78
p0 5051 ± 4.052
6000
5500
5000
4500
4000

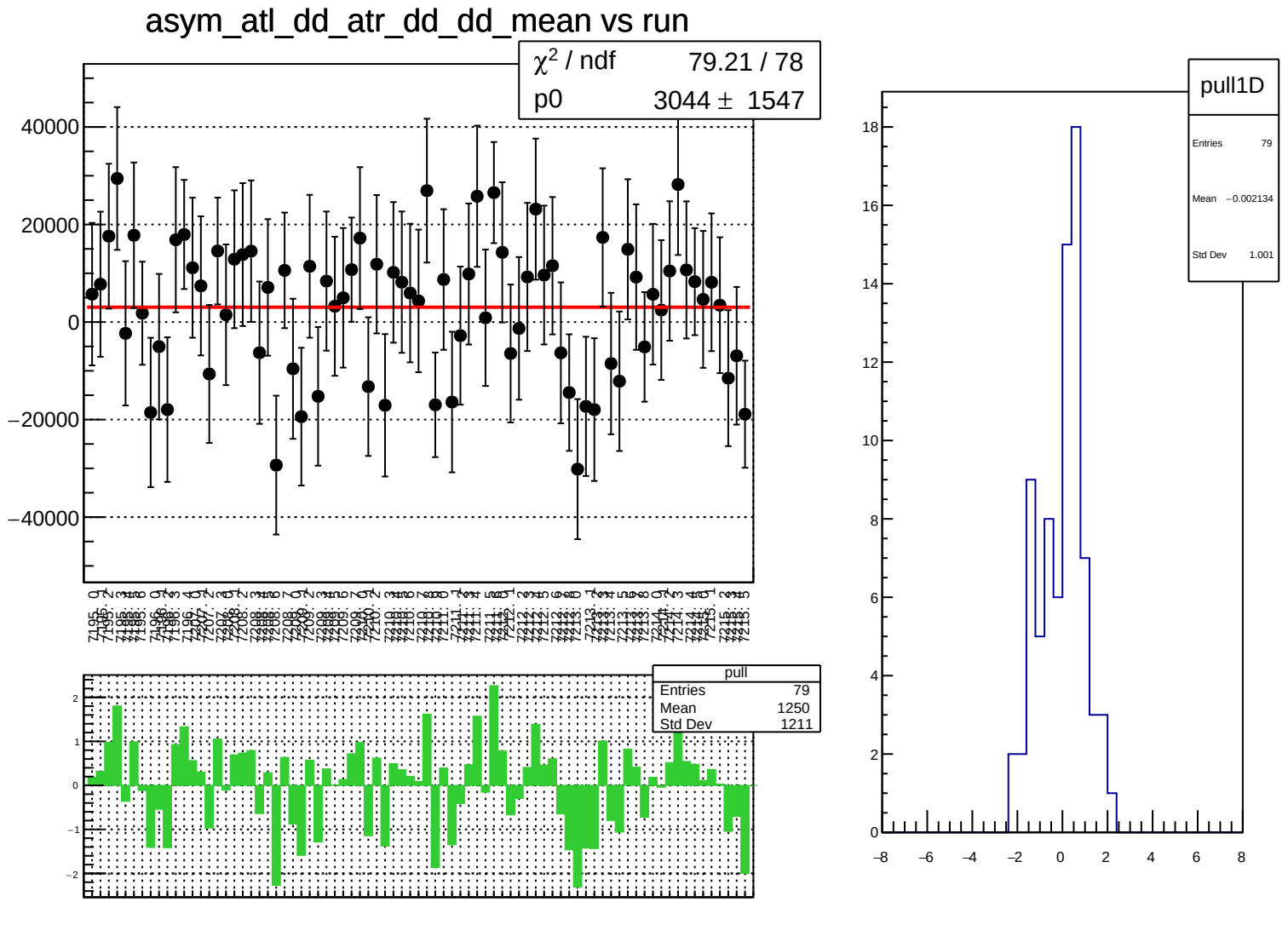

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 69.44 / 78
p0 1474 ± 1388
pull
Entries 79
Mean 919.9
Std Dev 882.6
pull1D
Entries 79
Mean −0.00318
Std Dev 0.9376

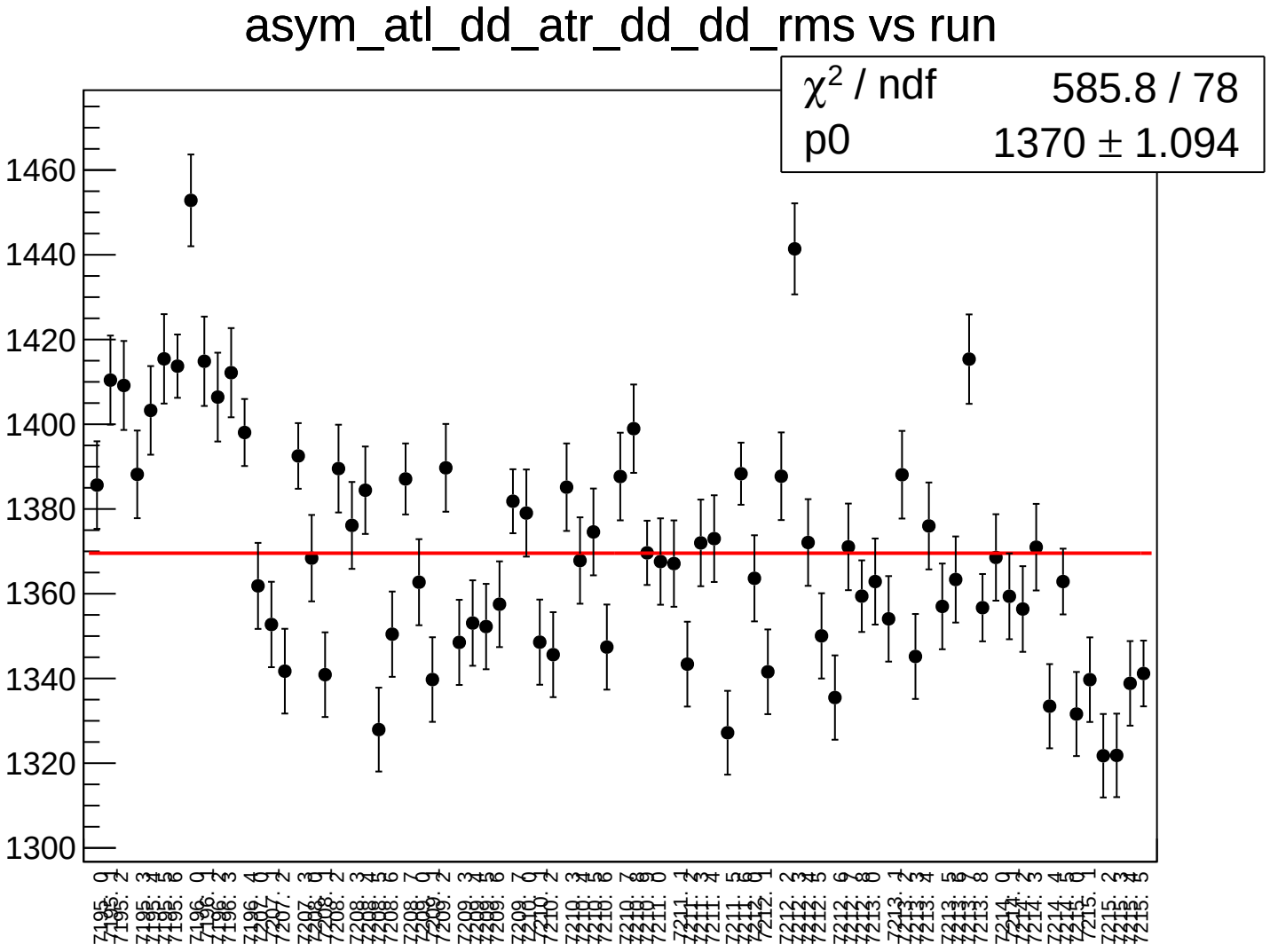
dit_asym_atl_dd_atr_dd_dd_rms vs run

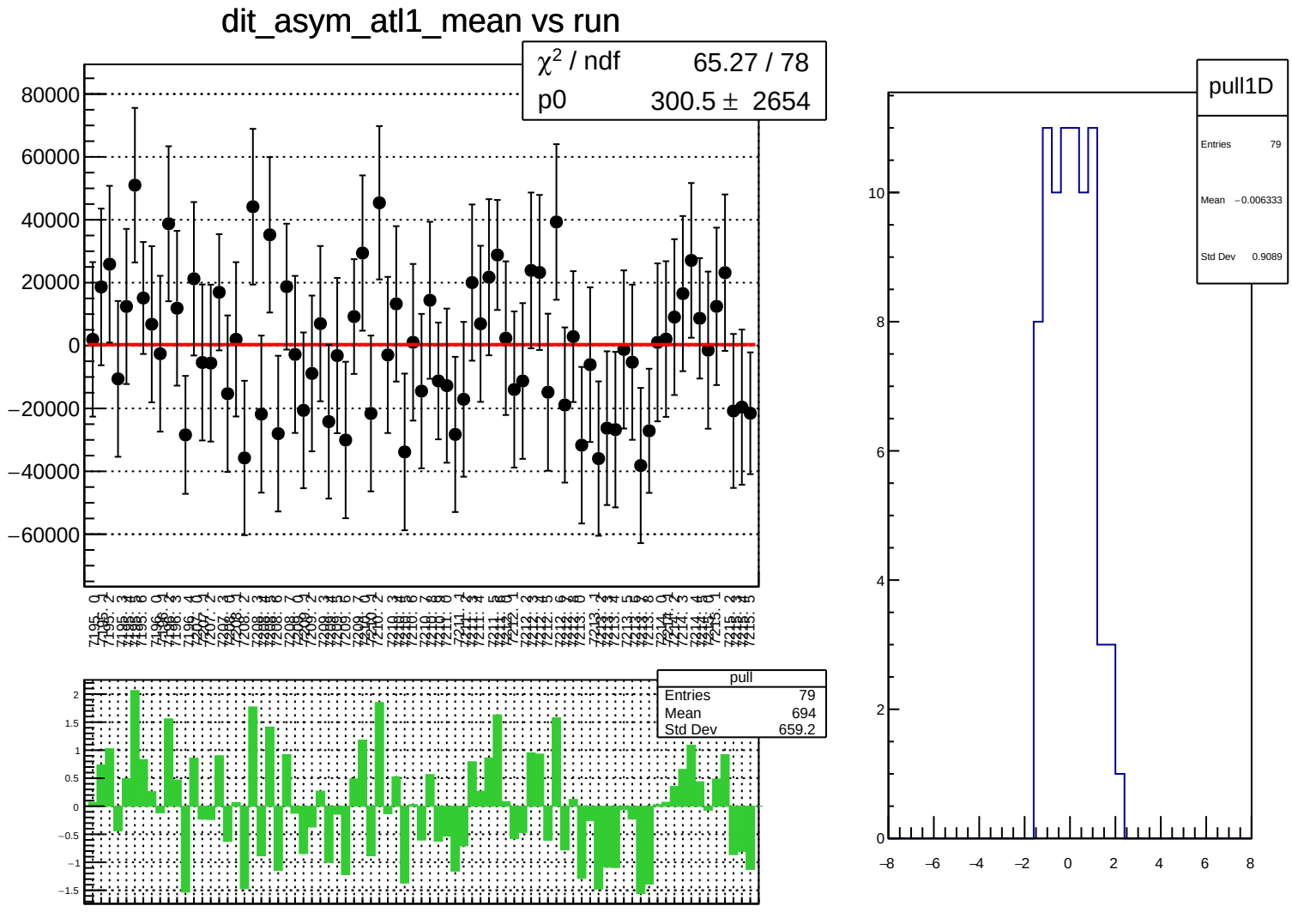


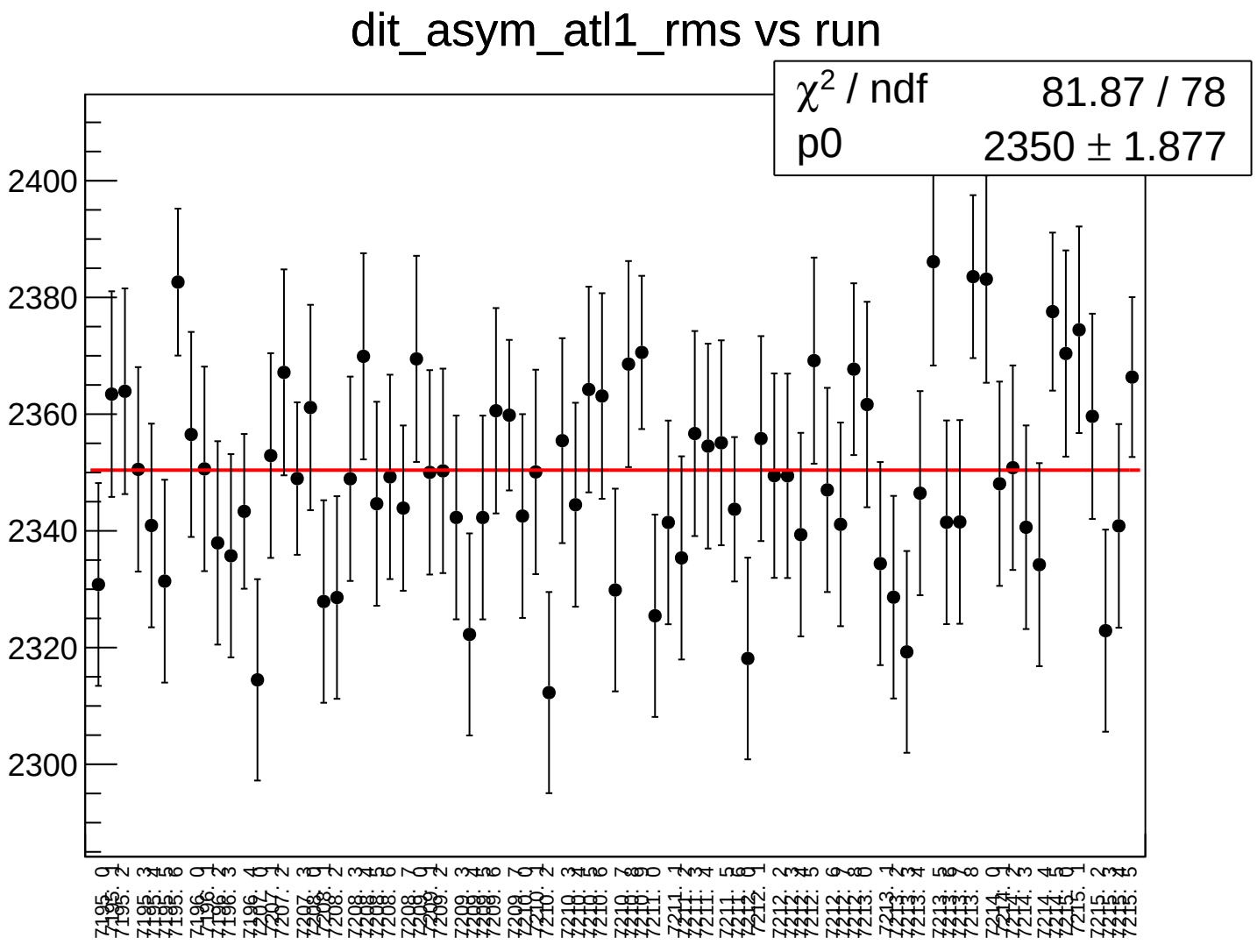

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 75.31 / 78
p0 −1568 ± 675.8
pull
Entries 79
Mean −670.2
Std Dev 740.5
pull1D
Entries 79
Mean −0.0003636
Std Dev 0.9763

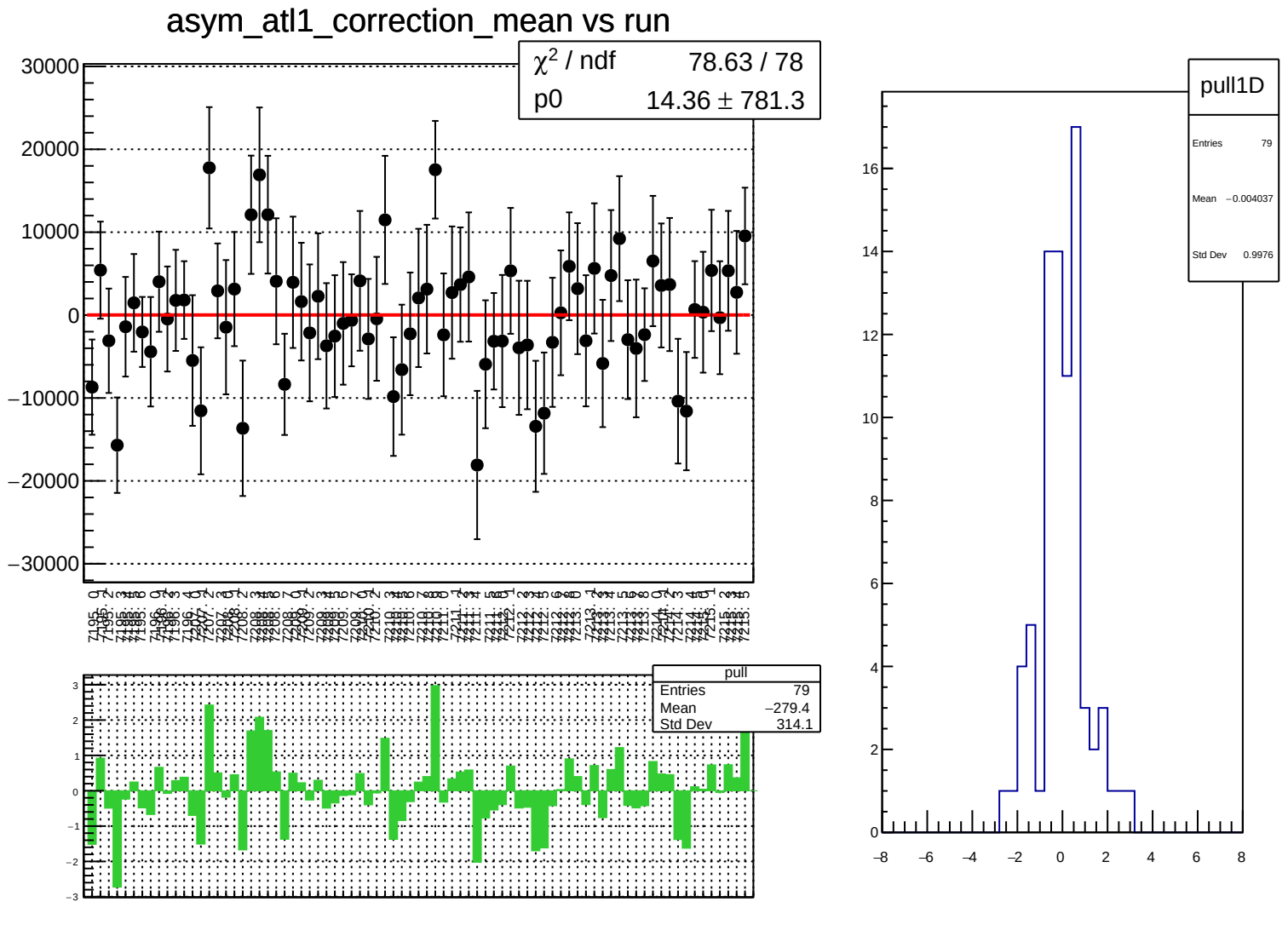

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4360 / 78
p0 597.7 ± 0.4779
700
680
660
640
620
600
580
560
540
520


asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 79.21 / 78
p0 3044 ± 1547
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 1250
Std Dev 1211
pull1D
Entries 79
Mean −0.002134
Std Dev 1.001

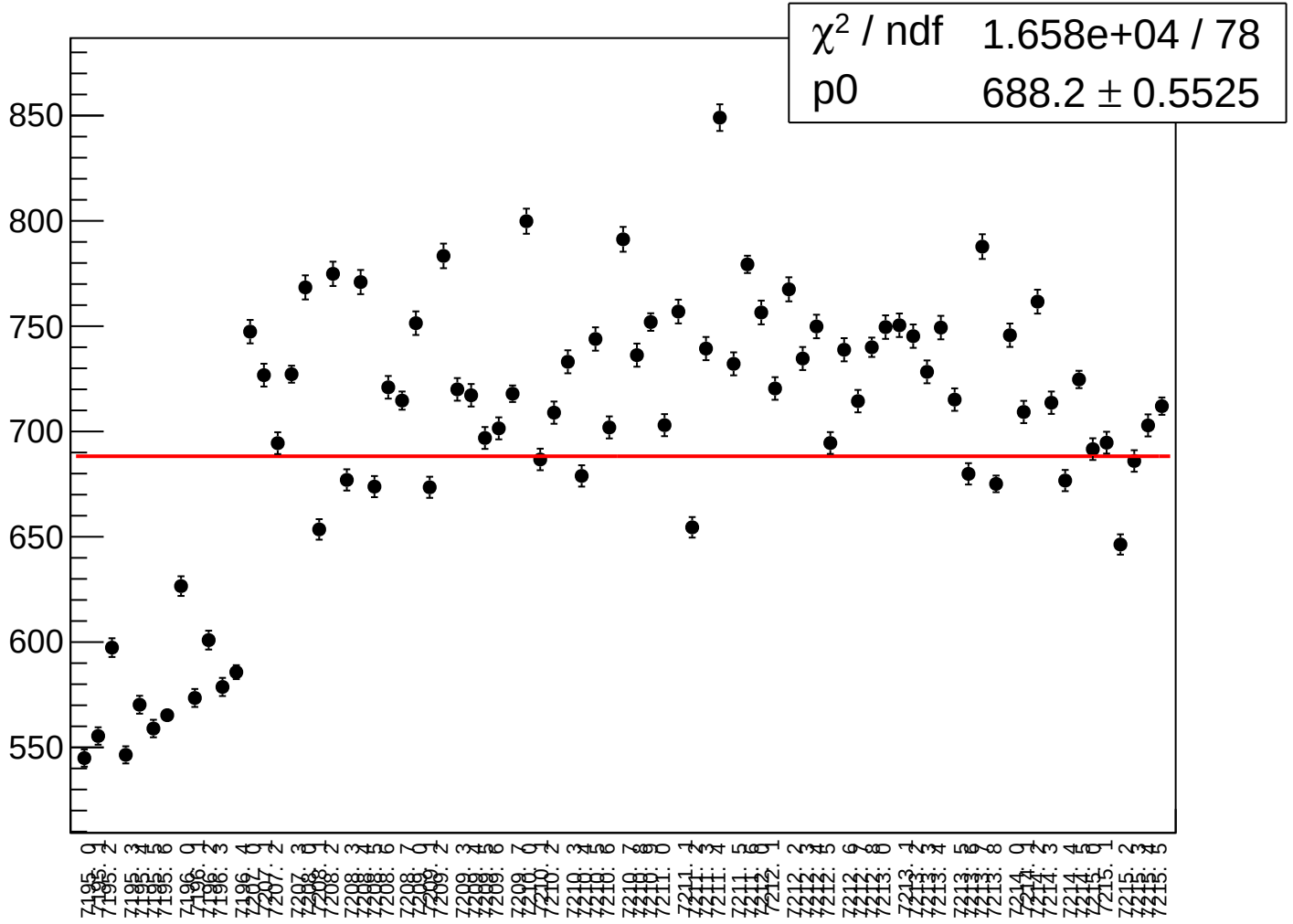

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 585.8 / 78
p0 1370 ± 1.094
1460
1440
1420
1400
1380
1360
1340
1320
1300

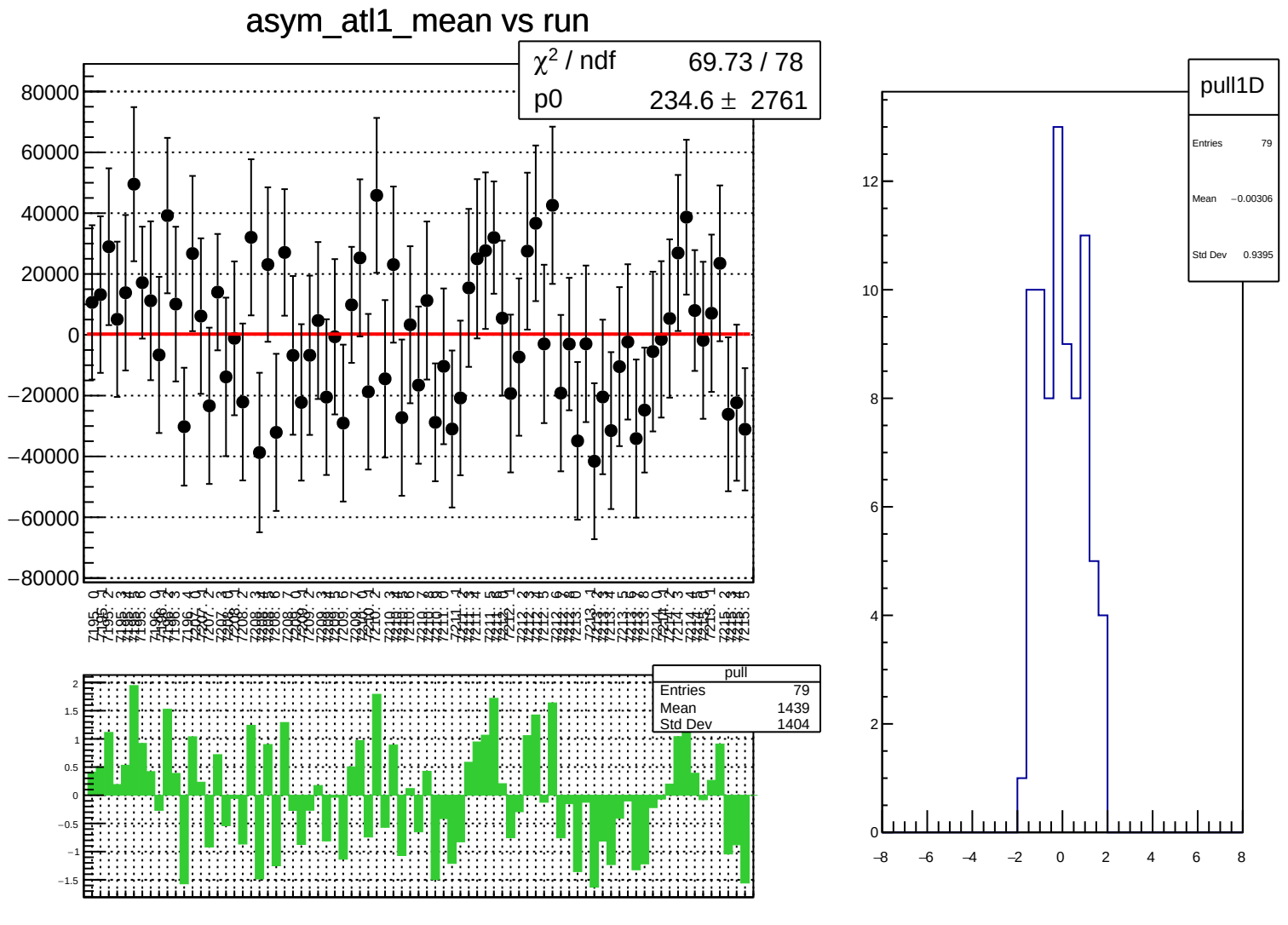

dit_asym_atl1_mean vs run
χ² / ndf 65.27 / 78
p0 300.5 ± 2654
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean 694
Std Dev 659.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 79
Mean −0.006333
Std Dev 0.9089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

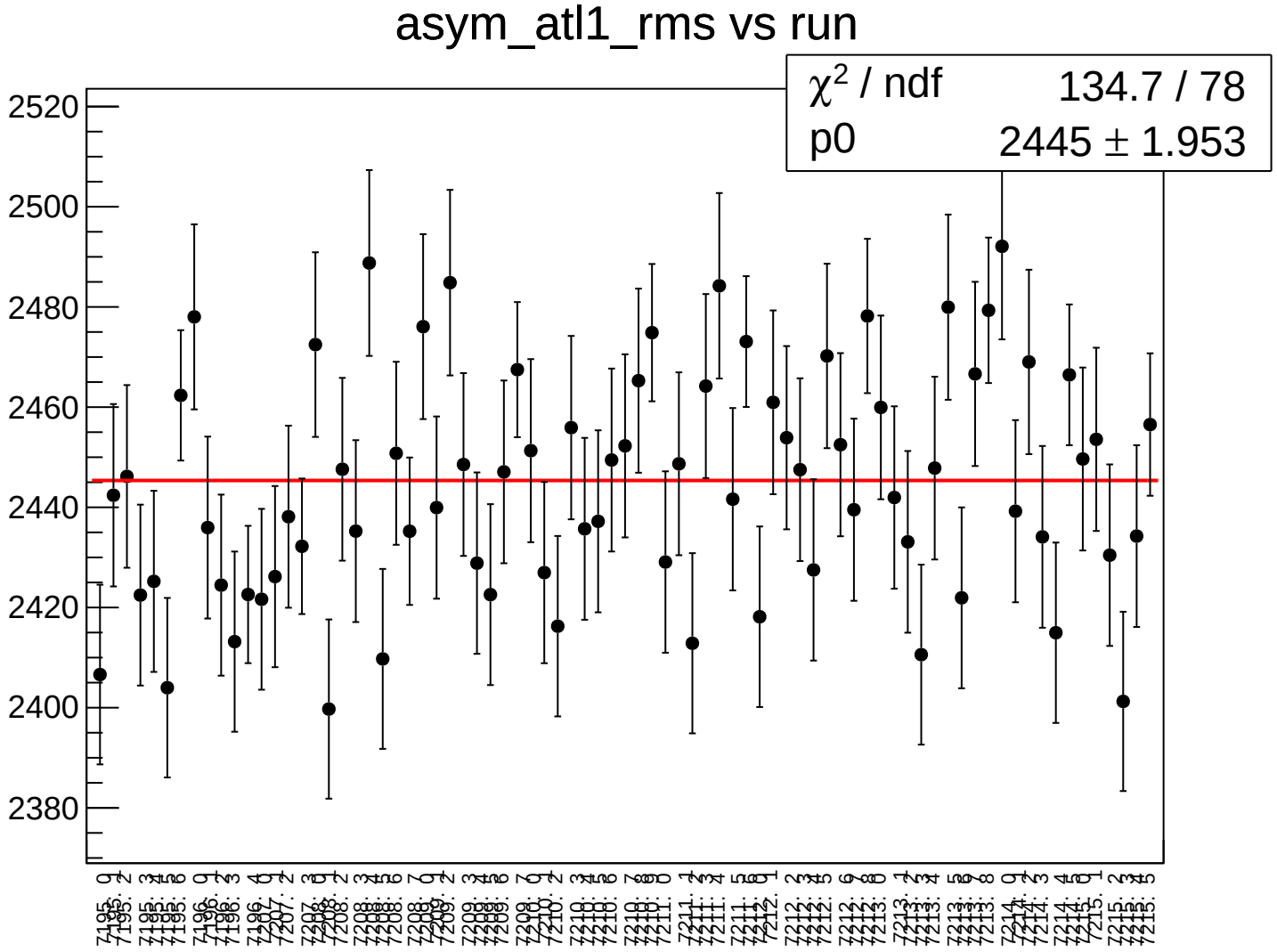

dit_asym_atl1_rms vs run
χ2 / ndf 81.87 / 78
p0 2350 ± 1.877
2400
2380
2360
2340
2320
2300

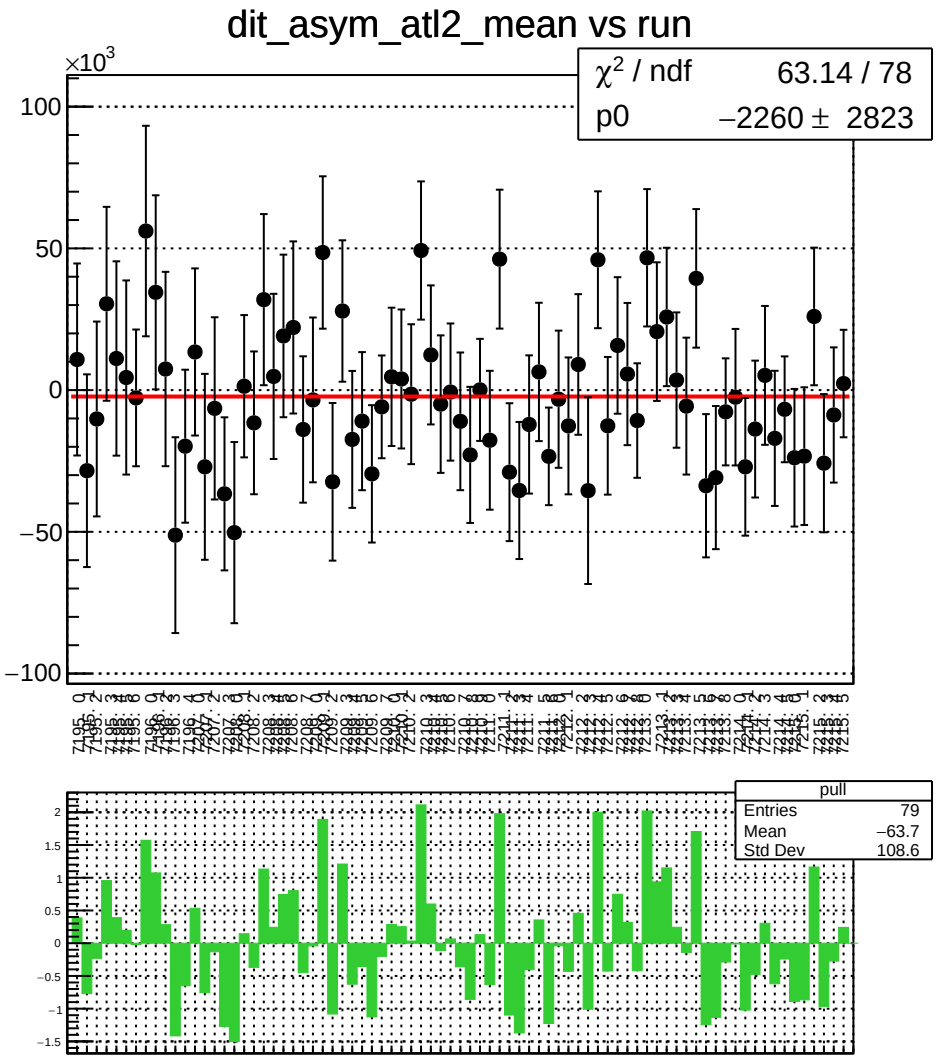

asym_atl1_correction_mean vs run
χ² / ndf 78.63 / 78
p0 14.36 ± 781.3
pull
Entries 79
Mean −279.4
Std Dev 314.1
pull1D
Entries 79
Mean −0.004037
Std Dev 0.9976

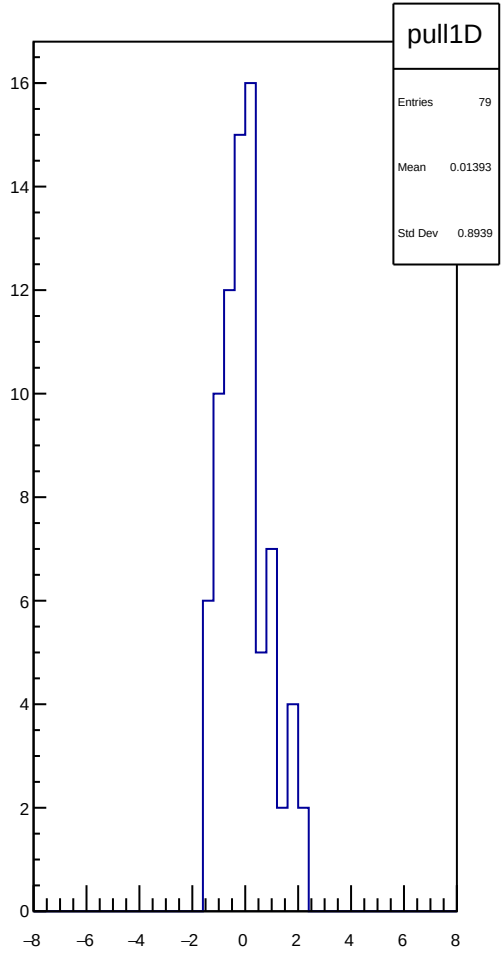
asym_atl1_correction_rms vs run

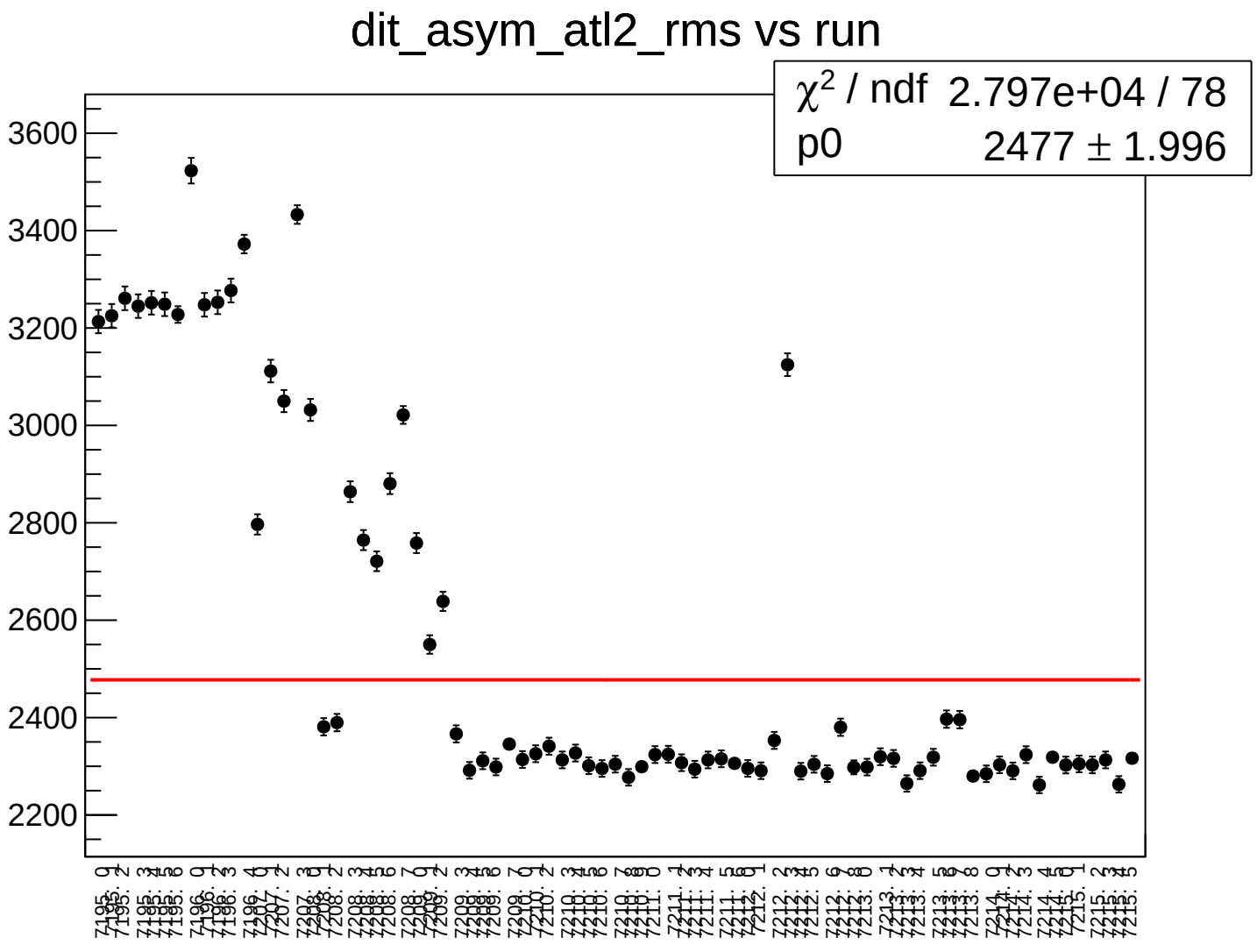


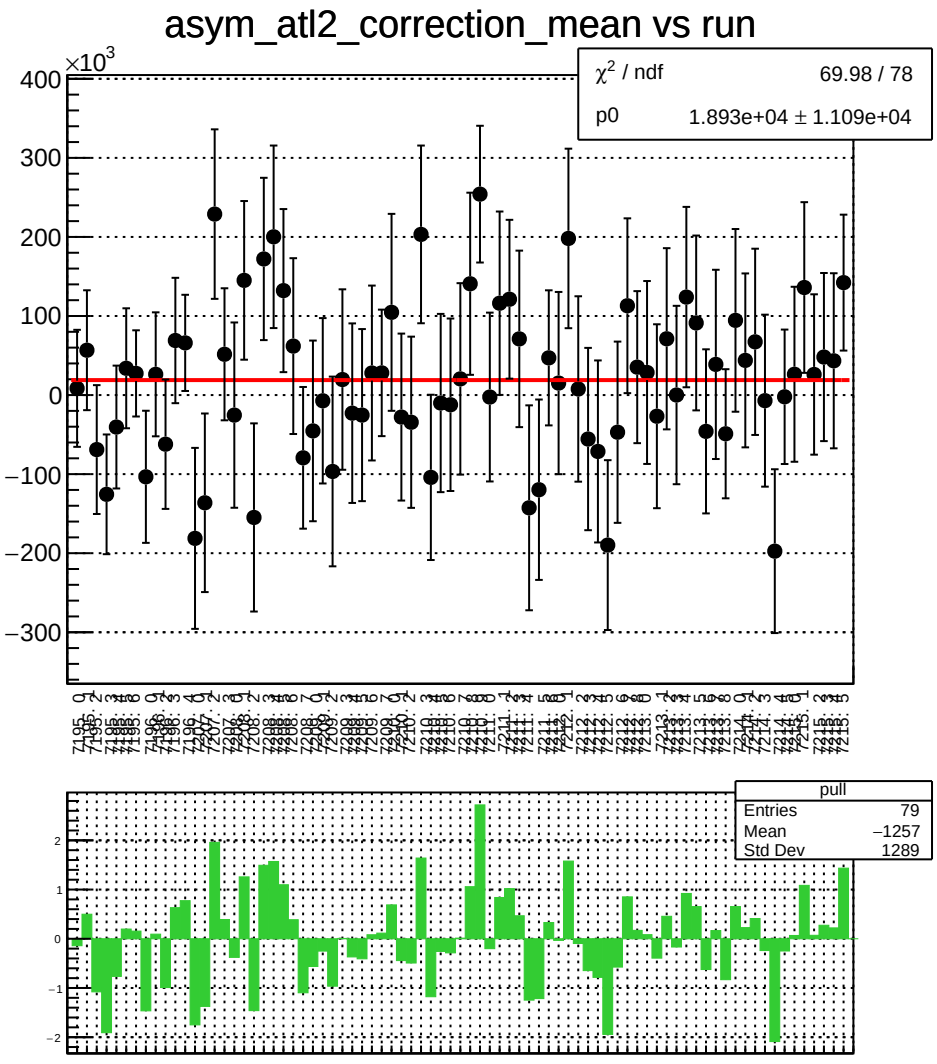

asym_atl1_mean vs run
χ² / ndf 69.73 / 78
p0 234.6 ± 2761
pull
Entries 79
Mean 1439
Std Dev 1404
pull1D
Entries 79
Mean −0.00306
Std Dev 0.9395

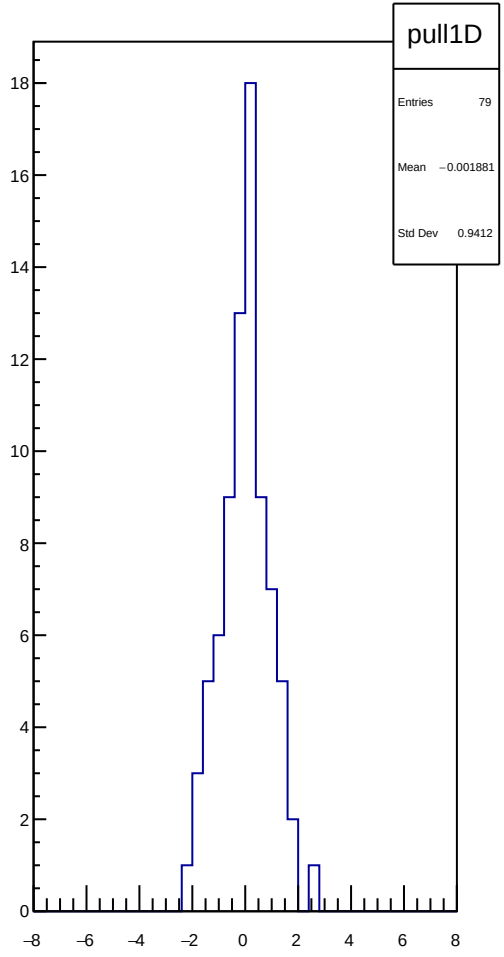

asym_atl1_rms vs run
χ² / ndf 134.7 / 78
p0 2445 ± 1.953
2520
2500
2480
2460
2440
2420
2400
2380

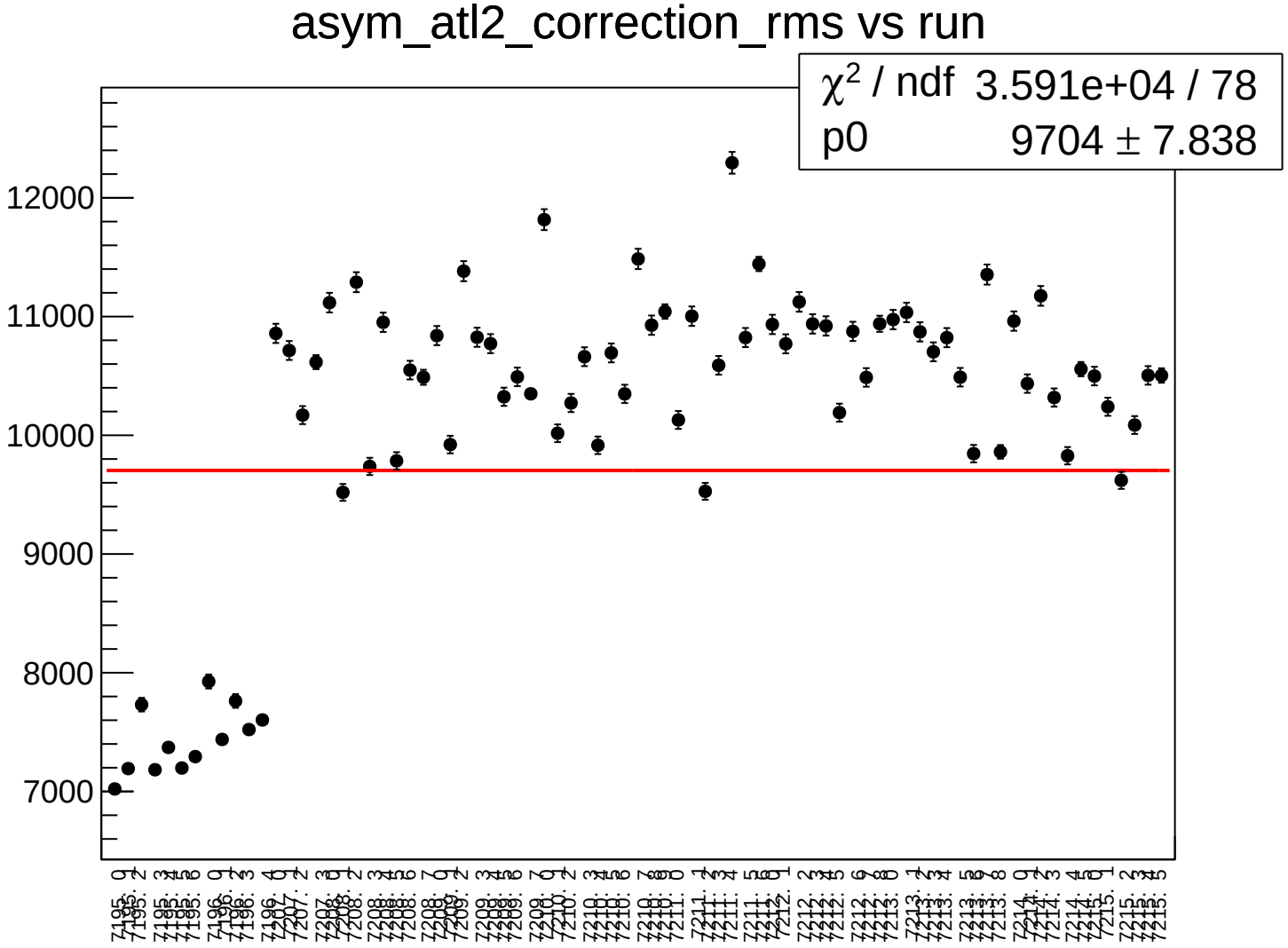

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 63.14 / 78
p0 −2260 ± 2823
pull
Entries 79
Mean −63.7
Std Dev 108.6

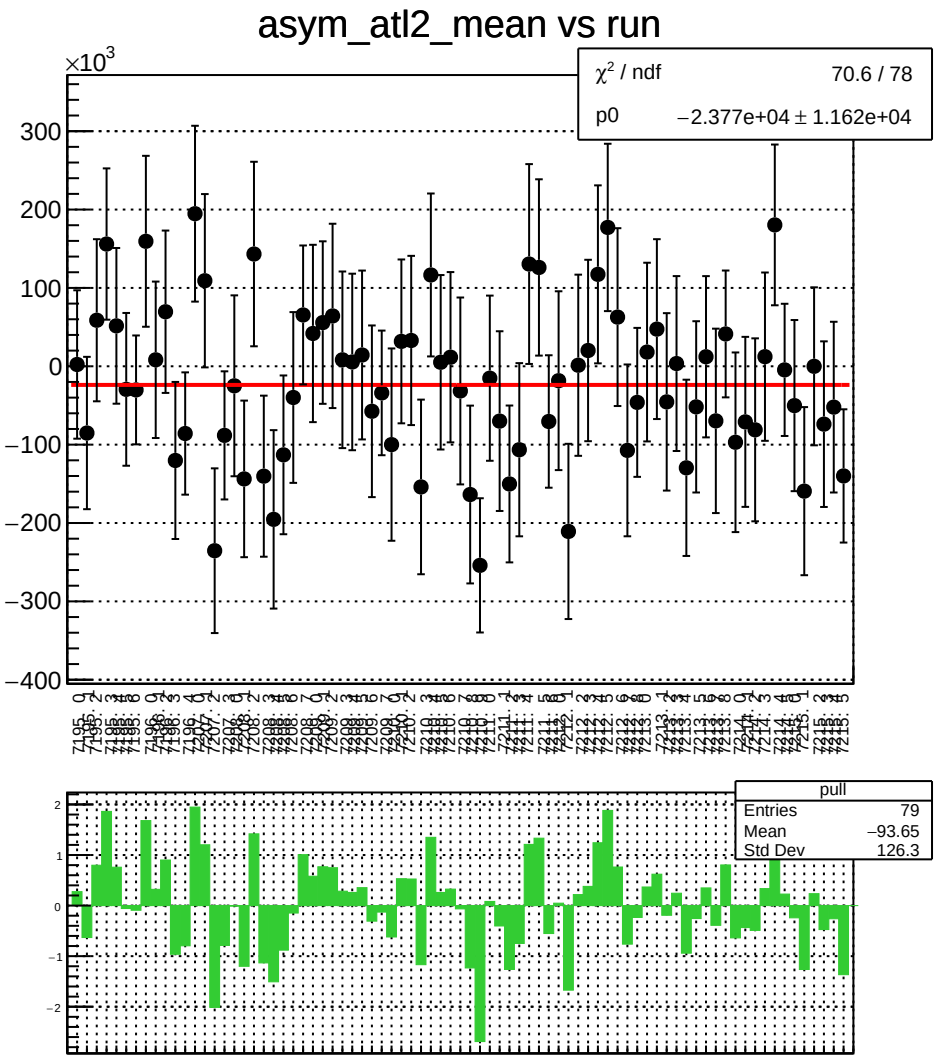

pull1D
Entries 79
Mean 0.01393
Std Dev 0.8939

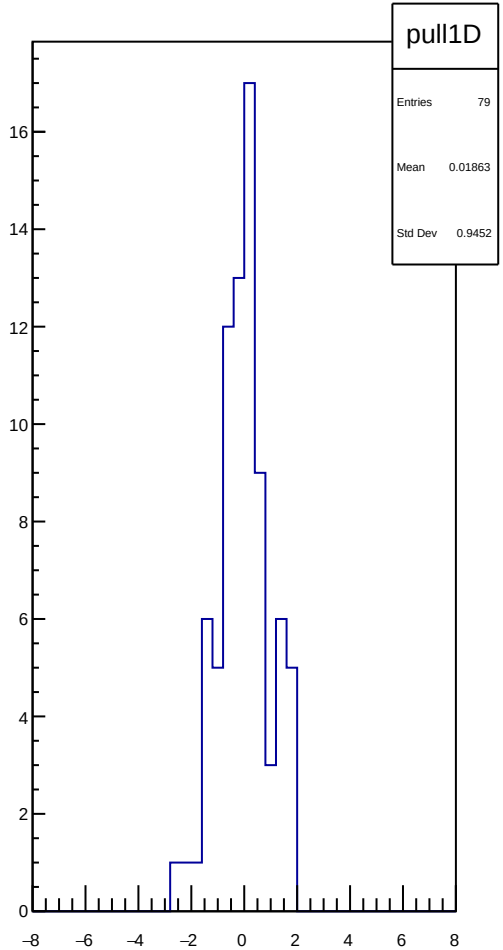

dit_asym_atl2_rms vs run
χ² / ndf 2.797e+04 / 78
p0 2477 ± 1.996
3600
3400
3200
3000
2800
2600
2400
2200

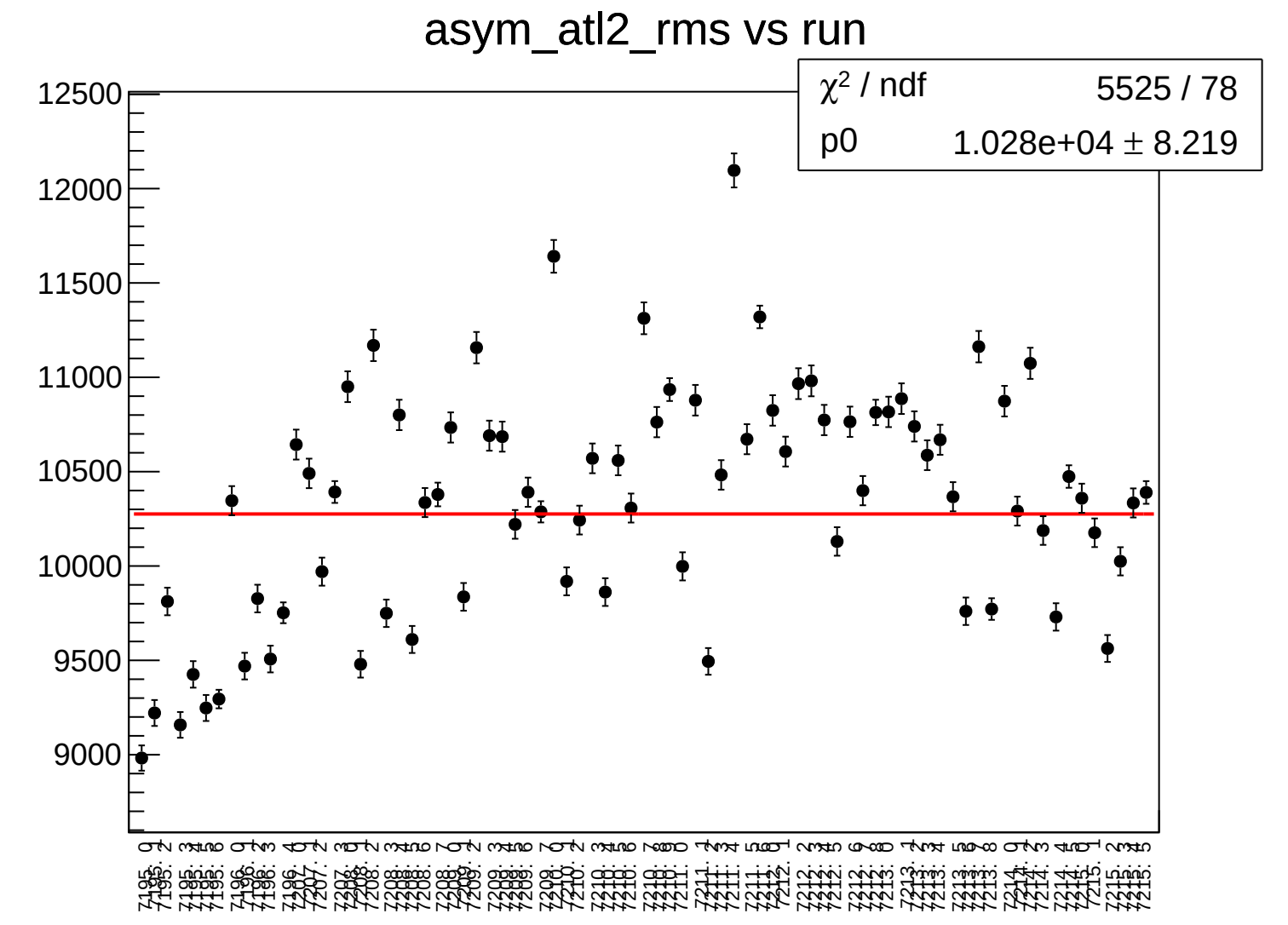

asym_atl2_correction_mean vs run
×10^3
400
300
200
100
0
−100
−200
−300
χ² / ndf 69.98 / 78
p0 1.893e+04 ± 1.109e+04
pull
Entries 79
Mean −1257
Std Dev 1289
2
1
0
−1
−2

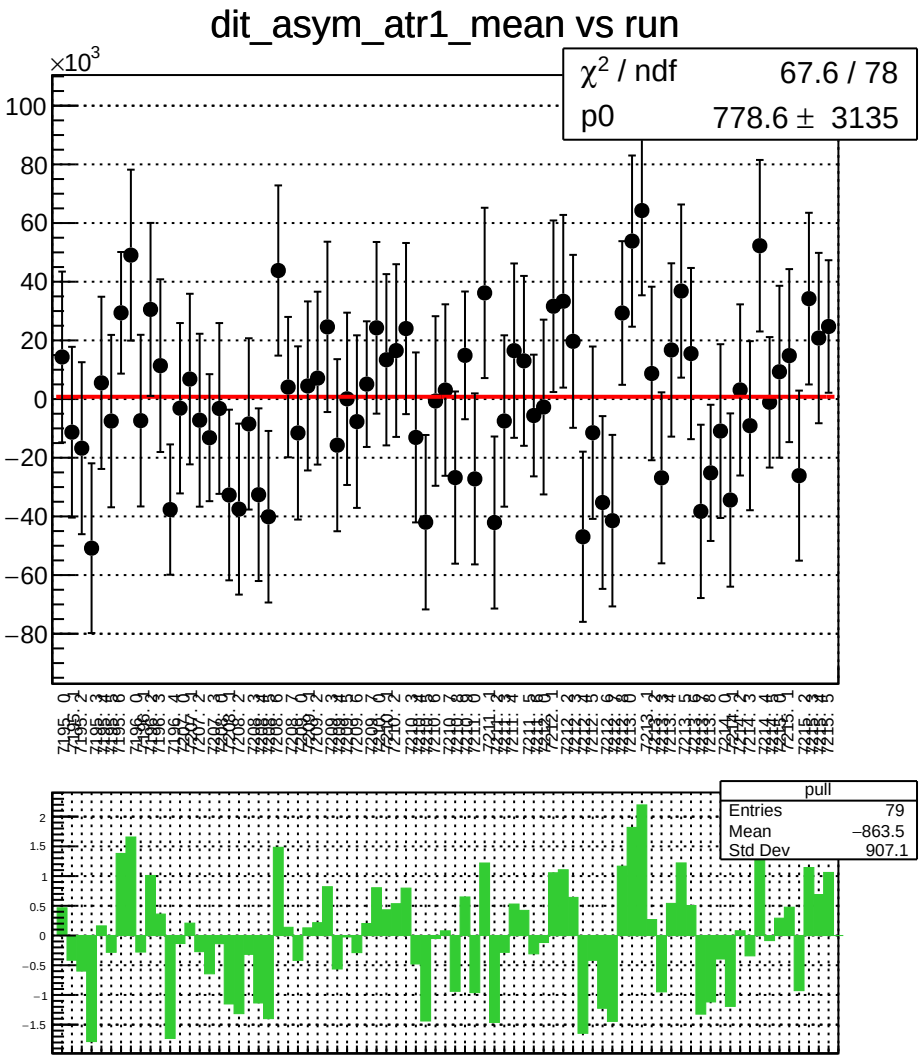

pull1D
Entries 79
Mean −0.001881
Std Dev 0.9412
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

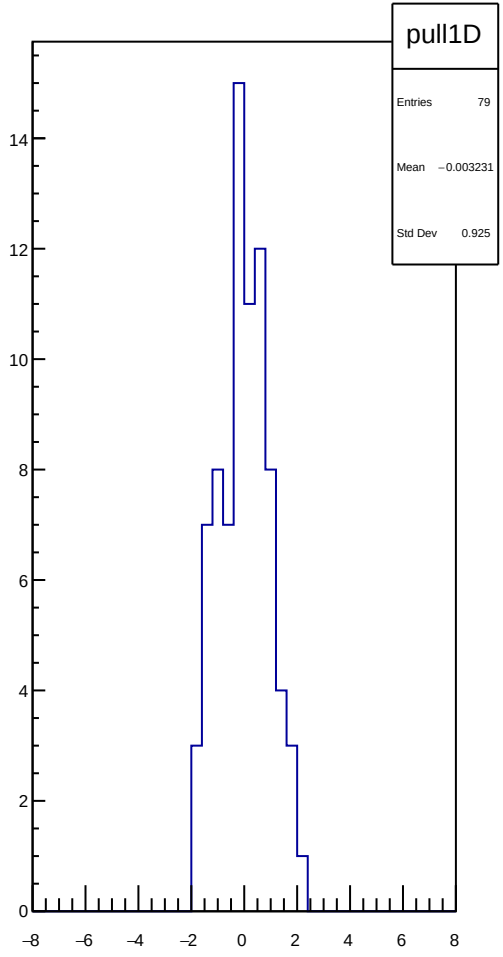

asym_atl2_correction_rms vs run
χ^2 / ndf 3.591e+04 / 78
p0 9704 ± 7.838
12000
11000
10000
9000
8000
7000

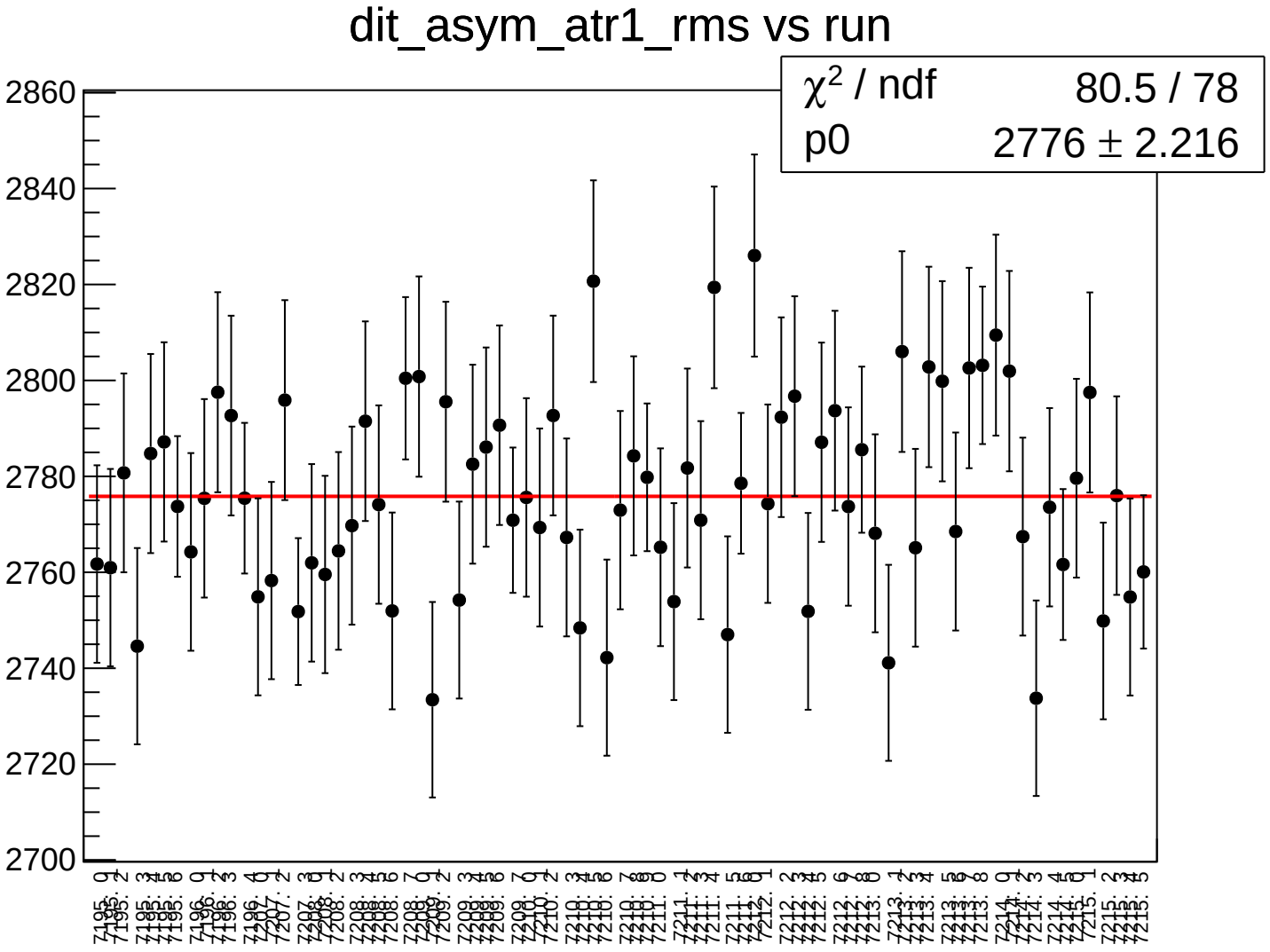

asym_atl2_mean vs run
×10^3
χ² / ndf 70.6 / 78
p0 −2.377e+04 ± 1.162e+04
pull
Entries 79
Mean −93.65
Std Dev 126.3

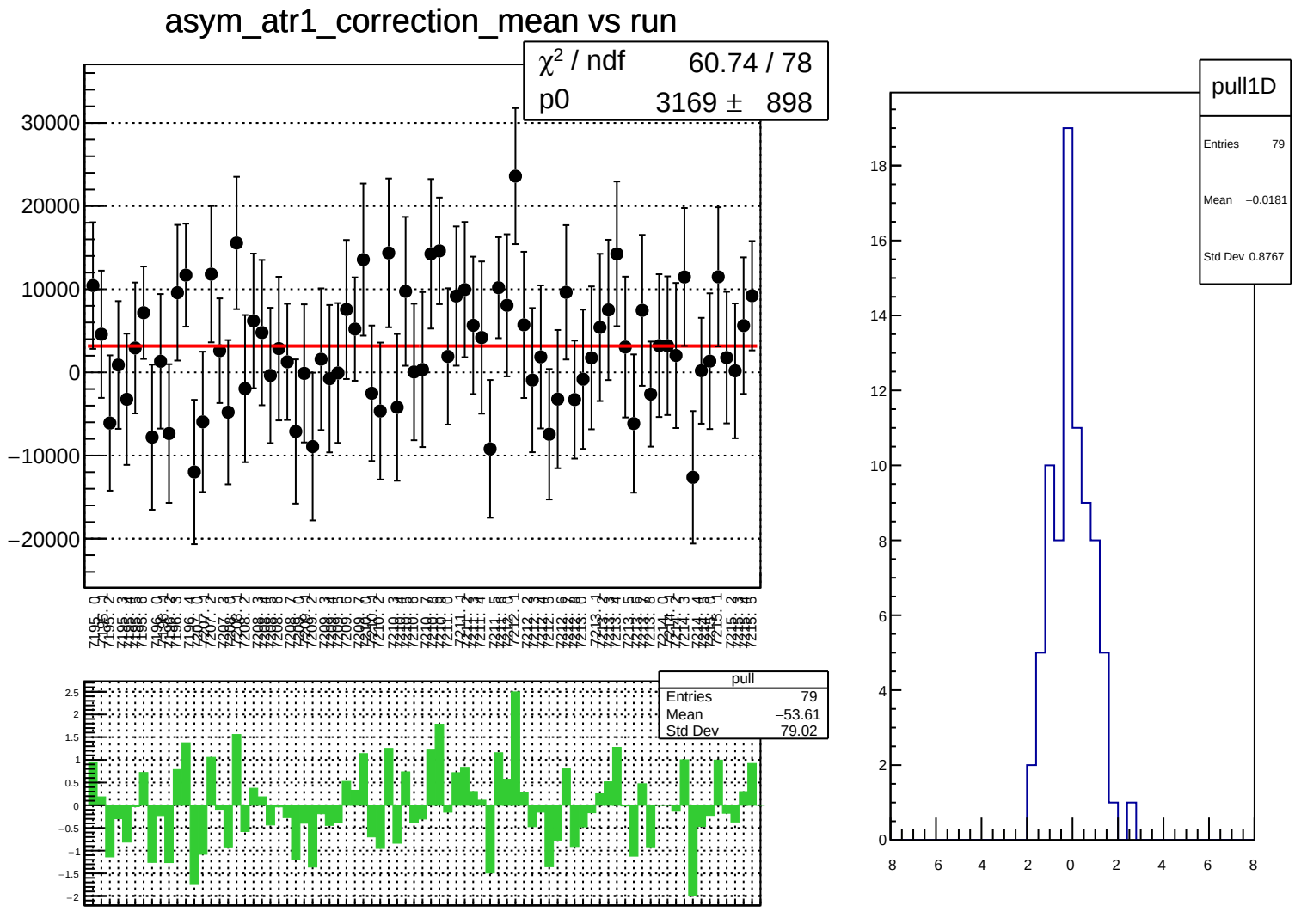

pull1D
Entries 79
Mean 0.01863
Std Dev 0.9452

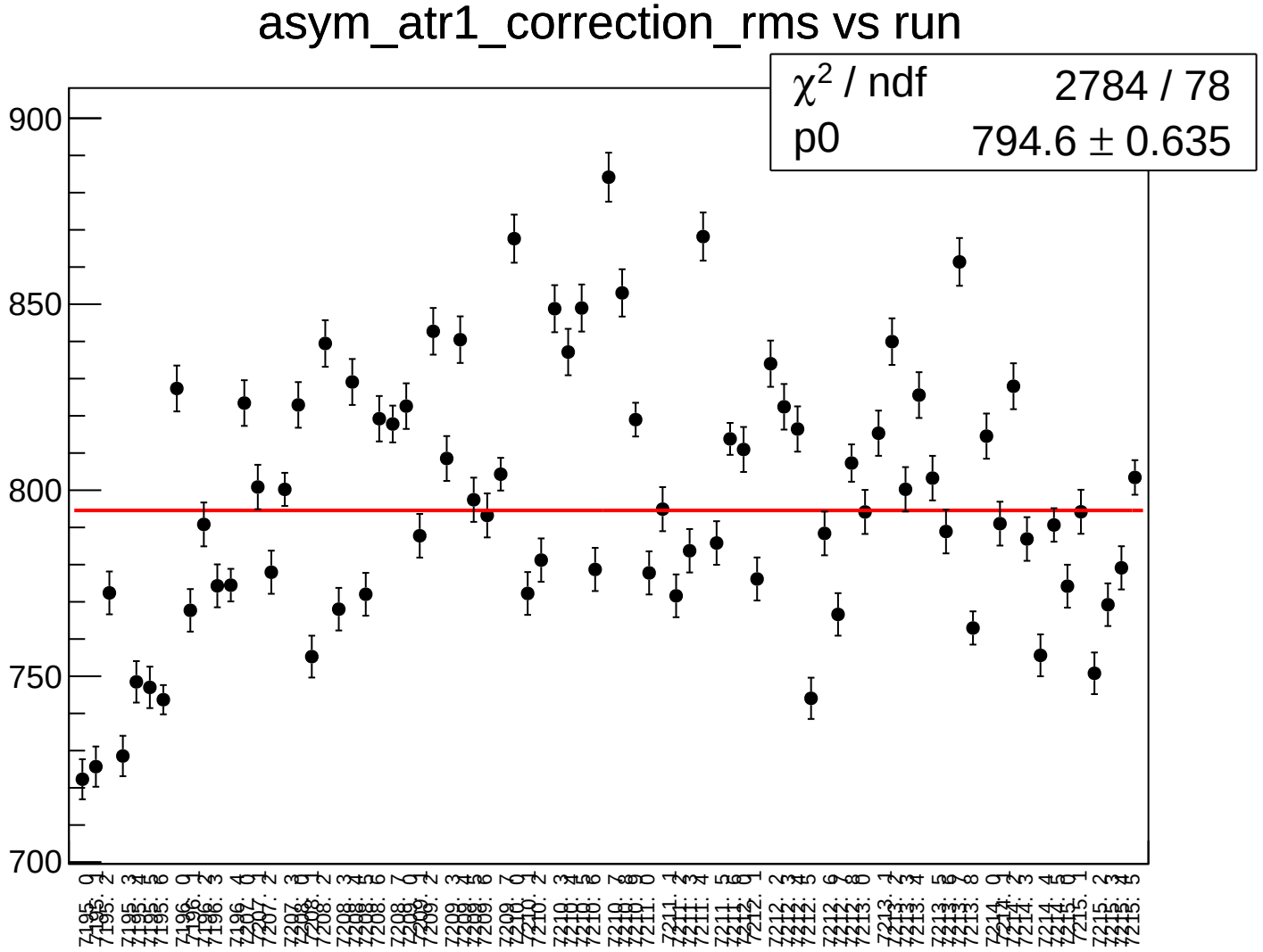

asym_atl2_rms vs run
χ2 / ndf 5525 / 78
p0 1.028e+04 ± 8.219
12500
12000
11500
11000
10500
10000
9500
9000

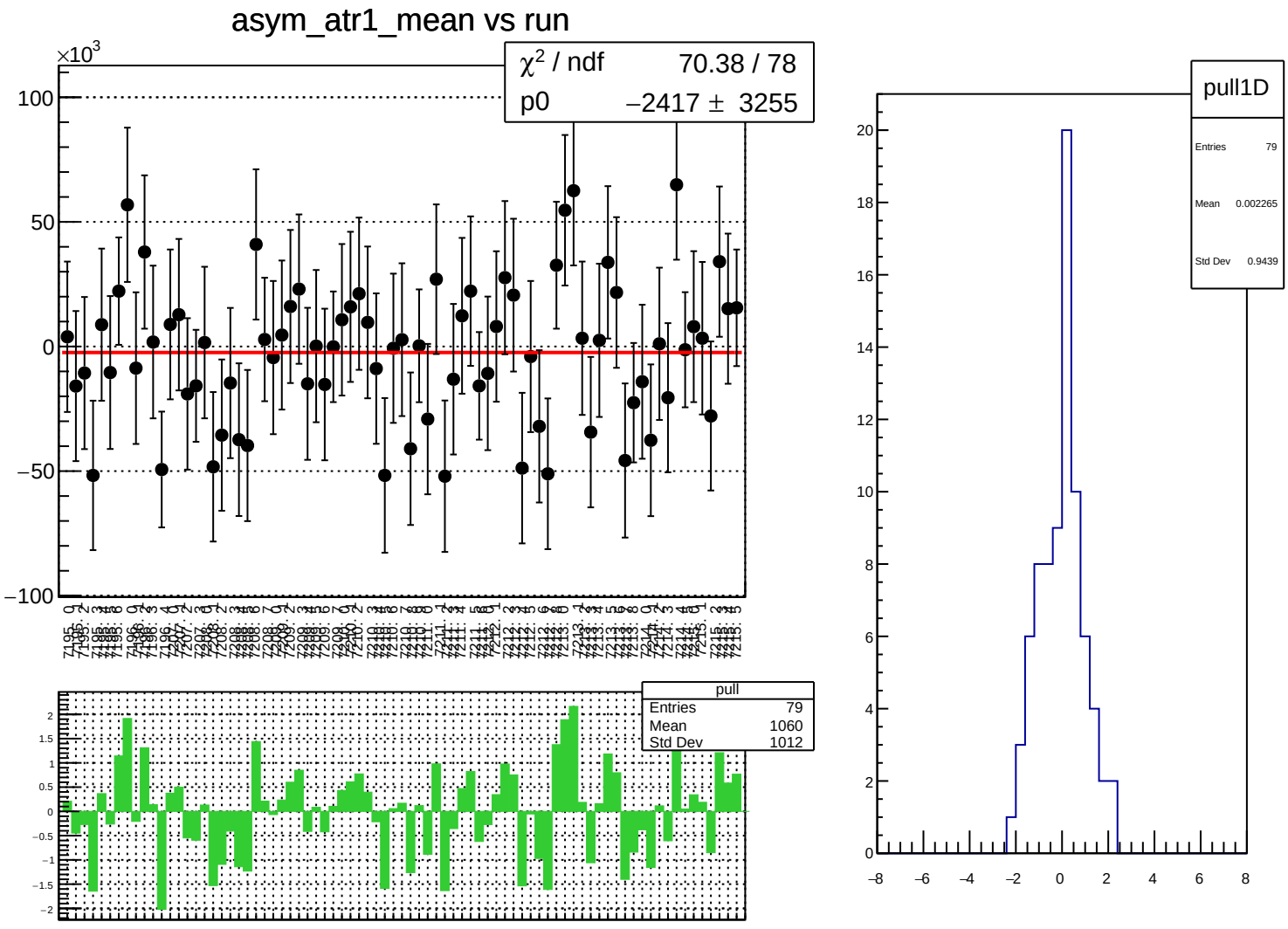

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 67.6 / 78
p0 778.6 ± 3135
pull
Entries 79
Mean −863.5
Std Dev 907.1

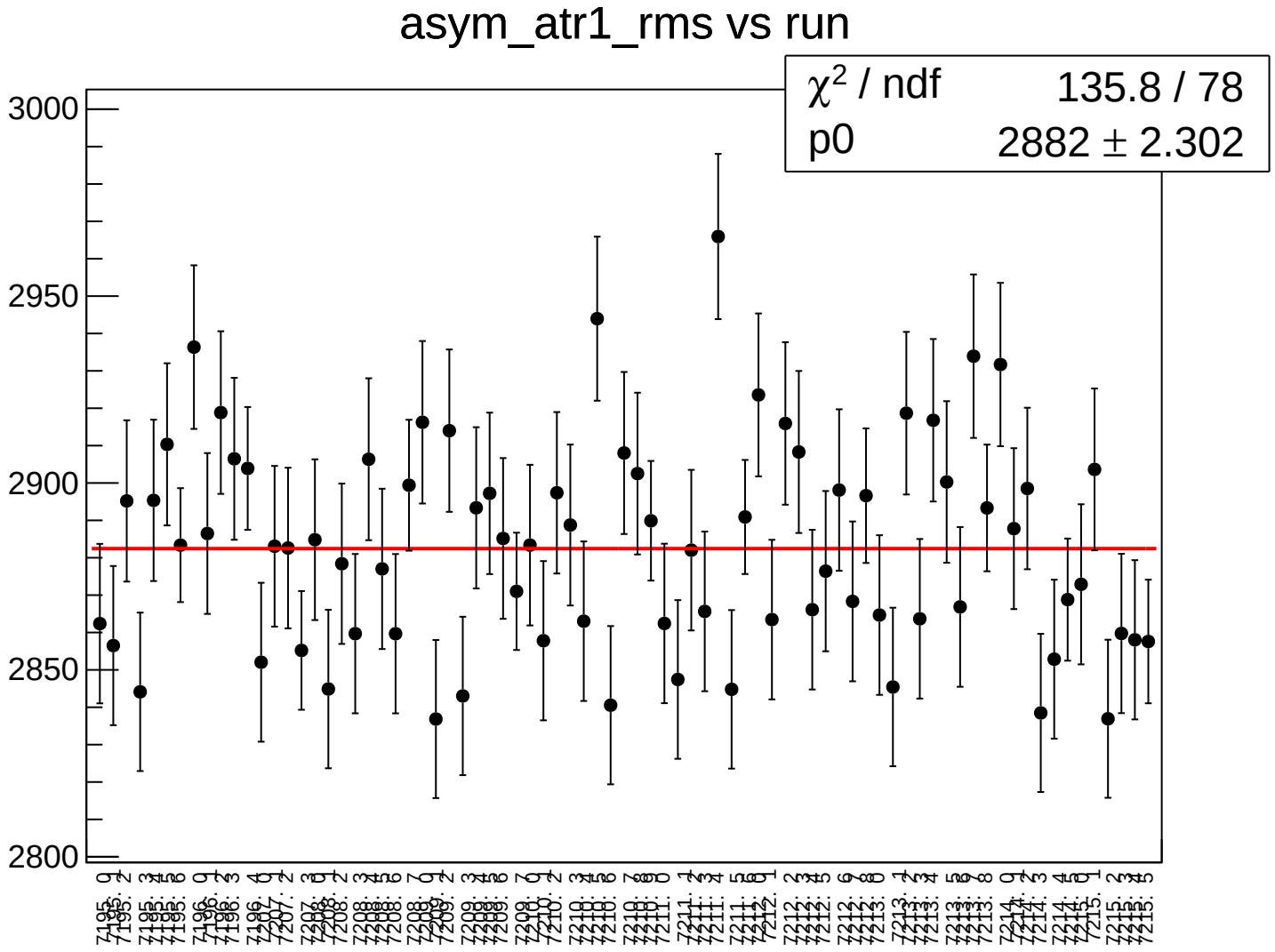

pull1D
Entries 79
Mean −0.003231
Std Dev 0.925

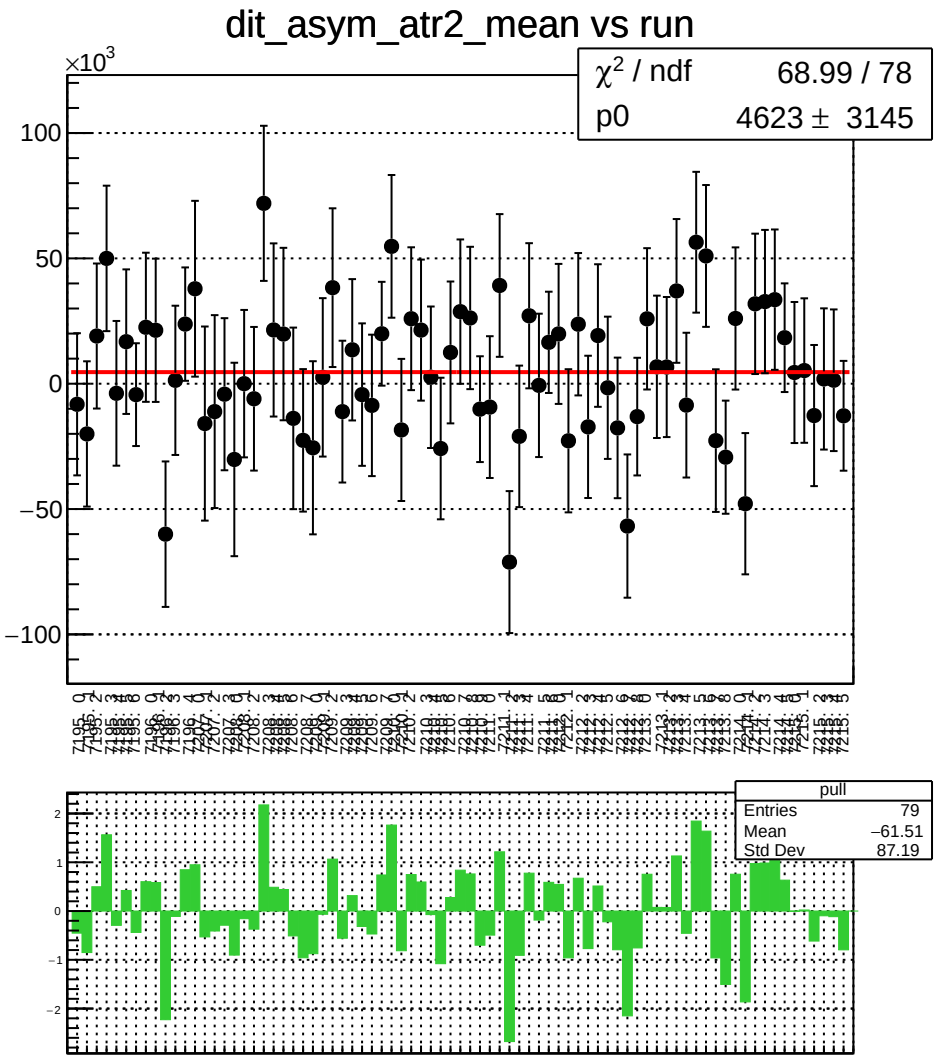

dit_asym_atr1_rms vs run
χ² / ndf 80.5 / 78
p0 2776 ± 2.216
2860
2840
2820
2800
2780
2760
2740
2720
2700

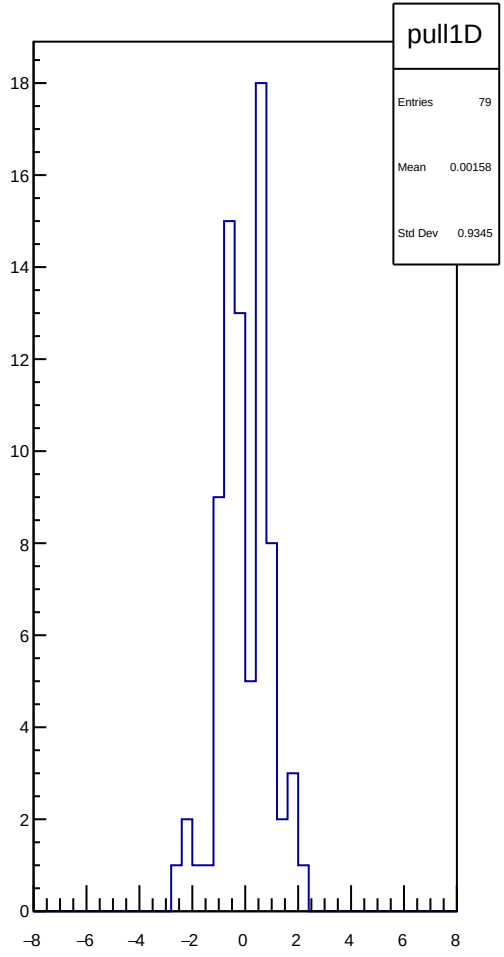

asym_atr1_correction_mean vs run
χ² / ndf 60.74 / 78
p0 3169 ± 898
pull
Entries 79
Mean −53.61
Std Dev 79.02
pull1D
Entries 79
Mean −0.0181
Std Dev 0.8767

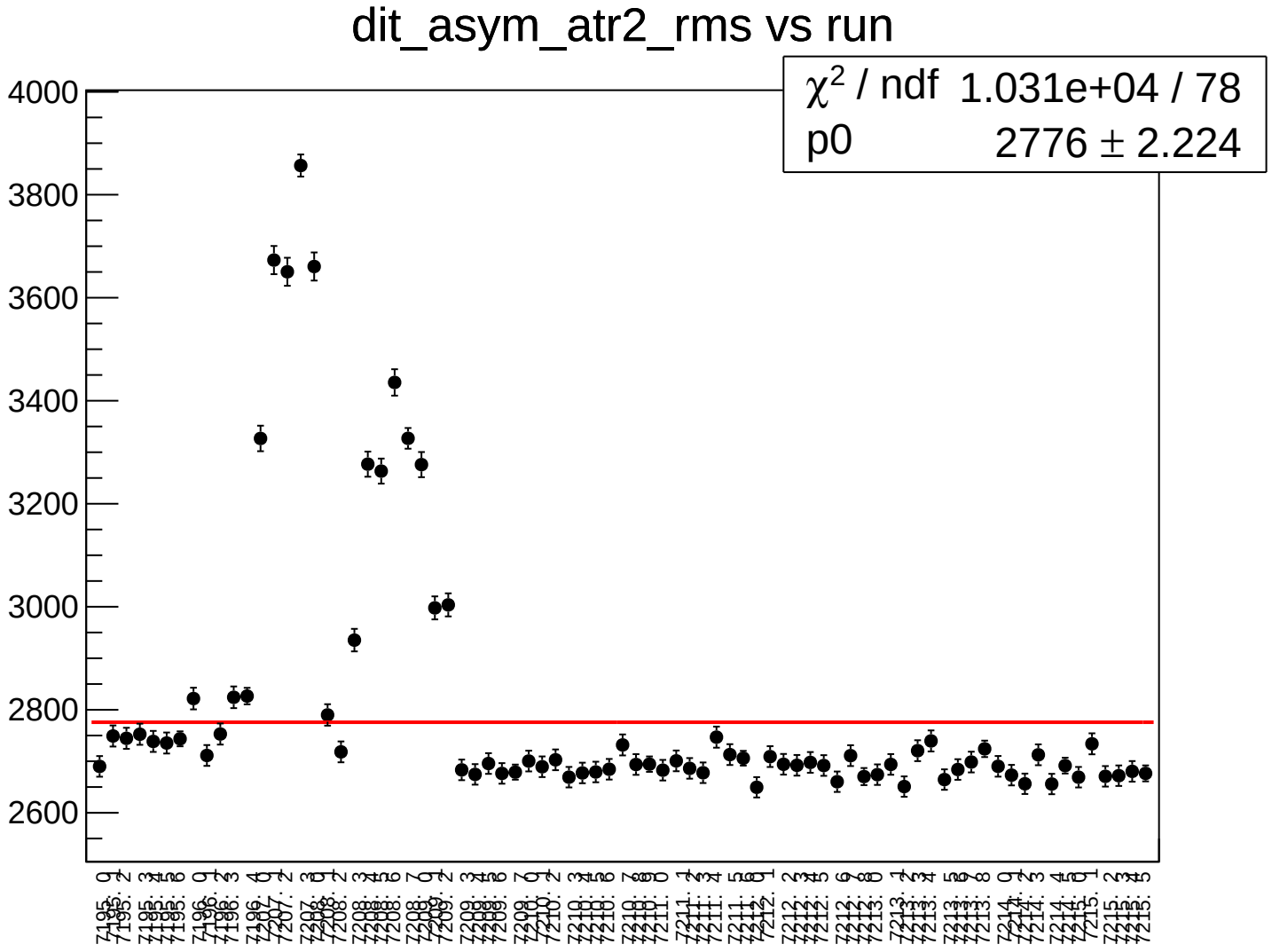

asym_atr1_correction_rms vs run
χ² / ndf 2784 / 78
p0 794.6 ± 0.635
900
850
800
750
700

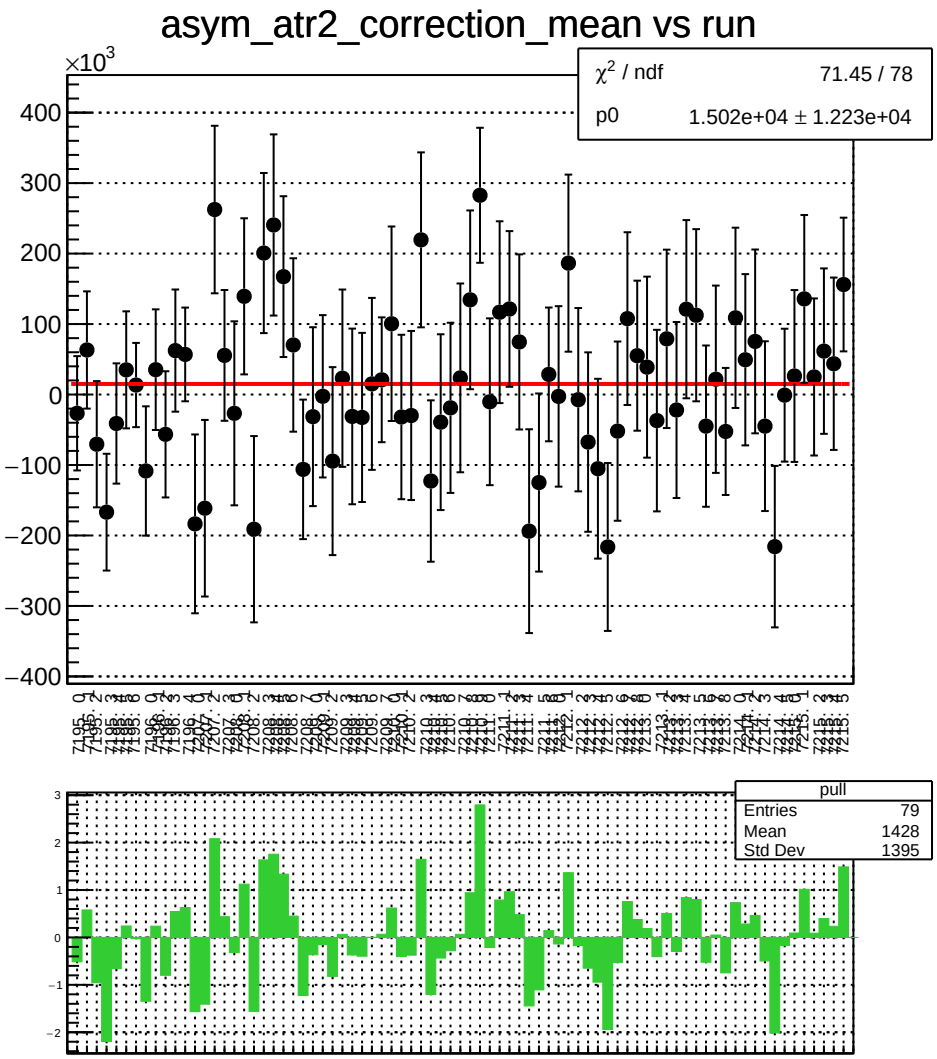

asym_atr1_mean vs run
χ^2 / ndf 70.38 / 78
p0 −2417 ± 3255
×10^3
pull
Entries 79
Mean 1060
Std Dev 1012
pull1D
Entries 79
Mean 0.002265
Std Dev 0.9439

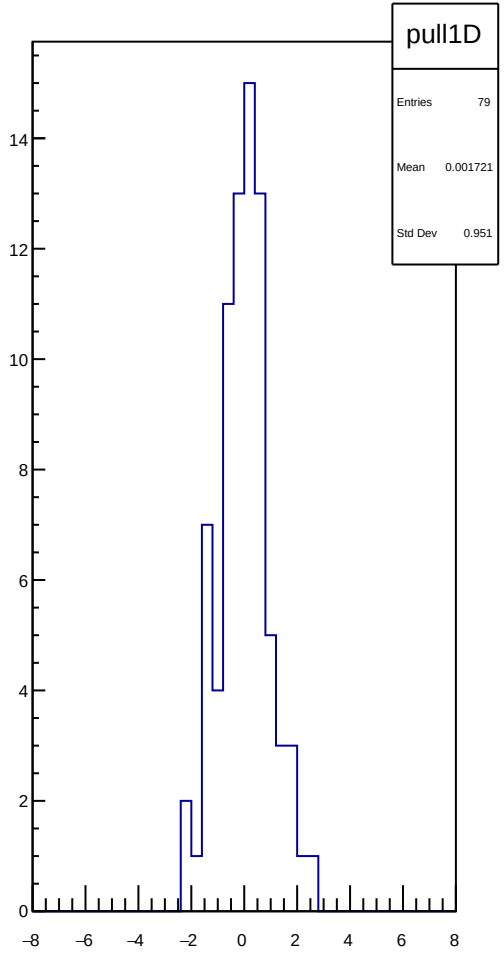

asym_atr1_rms vs run
χ² / ndf 135.8 / 78
p0 2882 ± 2.302
3000
2950
2900
2850
2800


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 68.99 / 78
p0 4623 ± 3145
pull
Entries 79
Mean −61.51
Std Dev 87.19

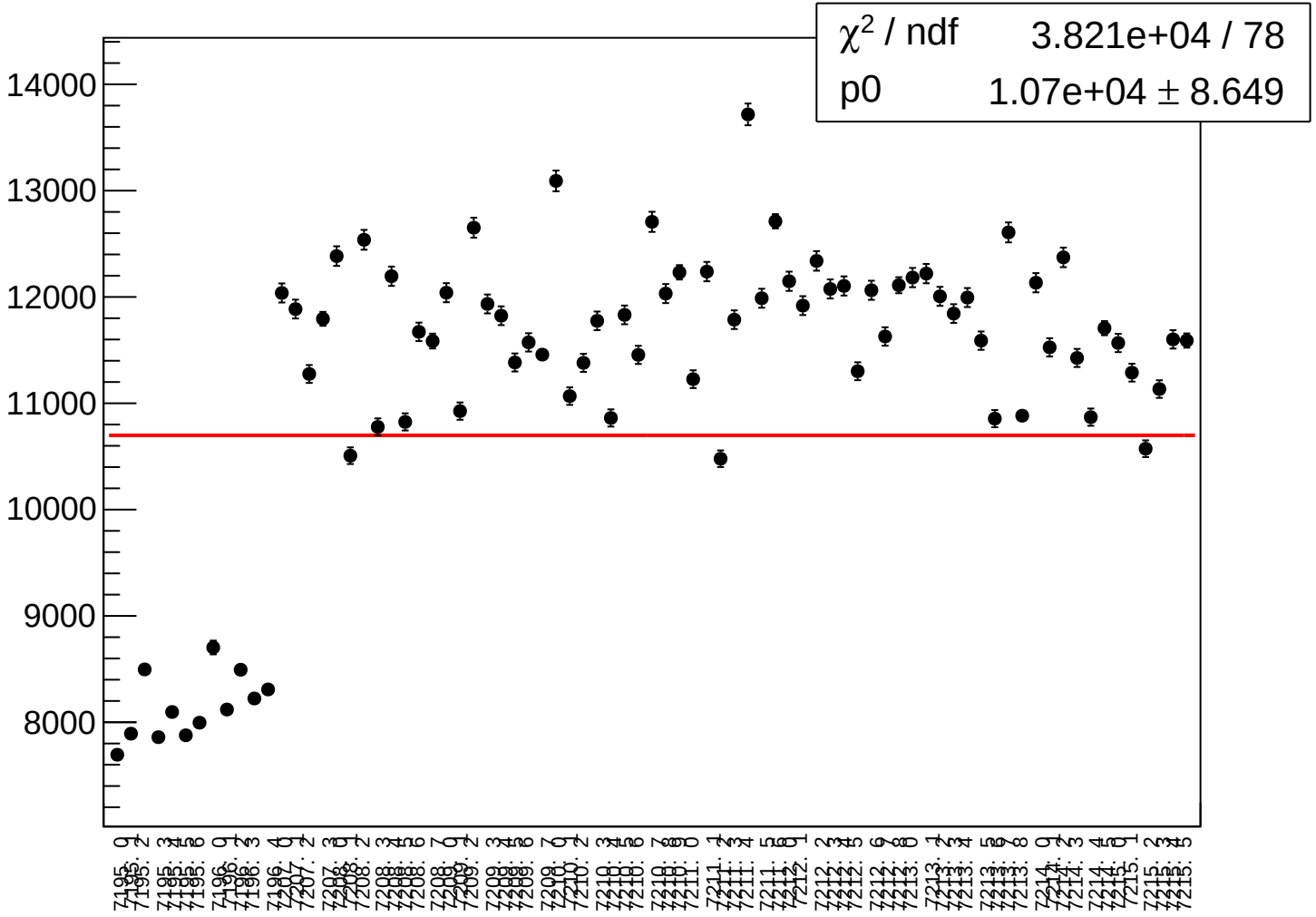

pull1D
Entries 79
Mean 0.00158
Std Dev 0.9345

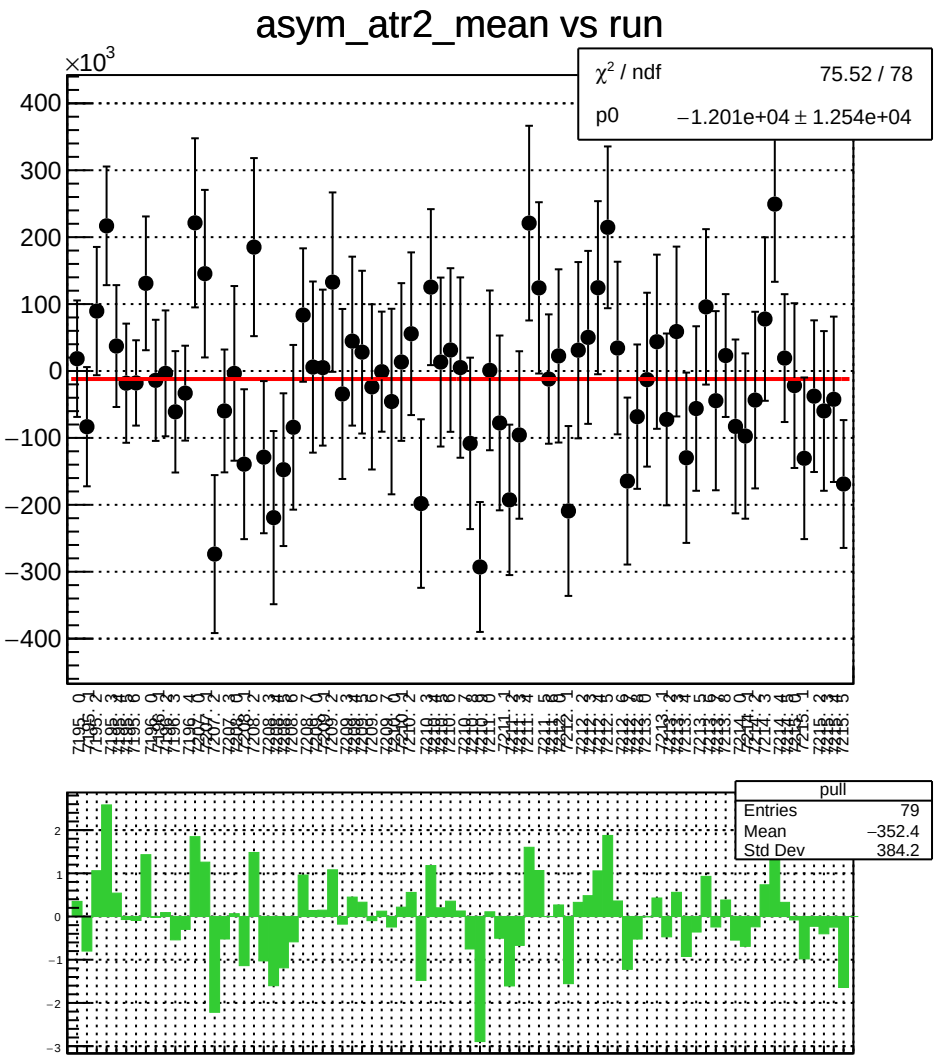

dit_asym_atr2_rms vs run
χ² / ndf 1.031e+04 / 78
p0 2776 ± 2.224
4000
3800
3600
3400
3200
3000
2800
2600

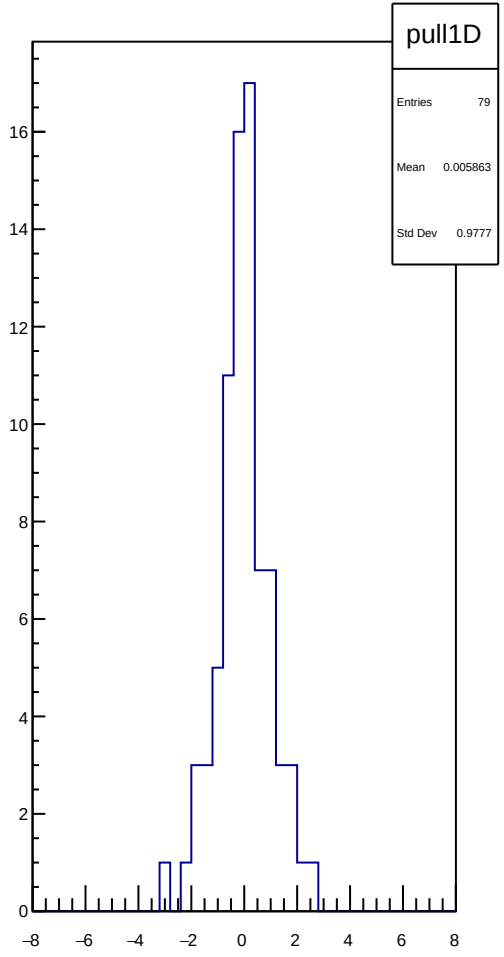

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 71.45 / 78
p0 1.502e+04 ± 1.223e+04
pull
Entries 79
Mean 1428
Std Dev 1395

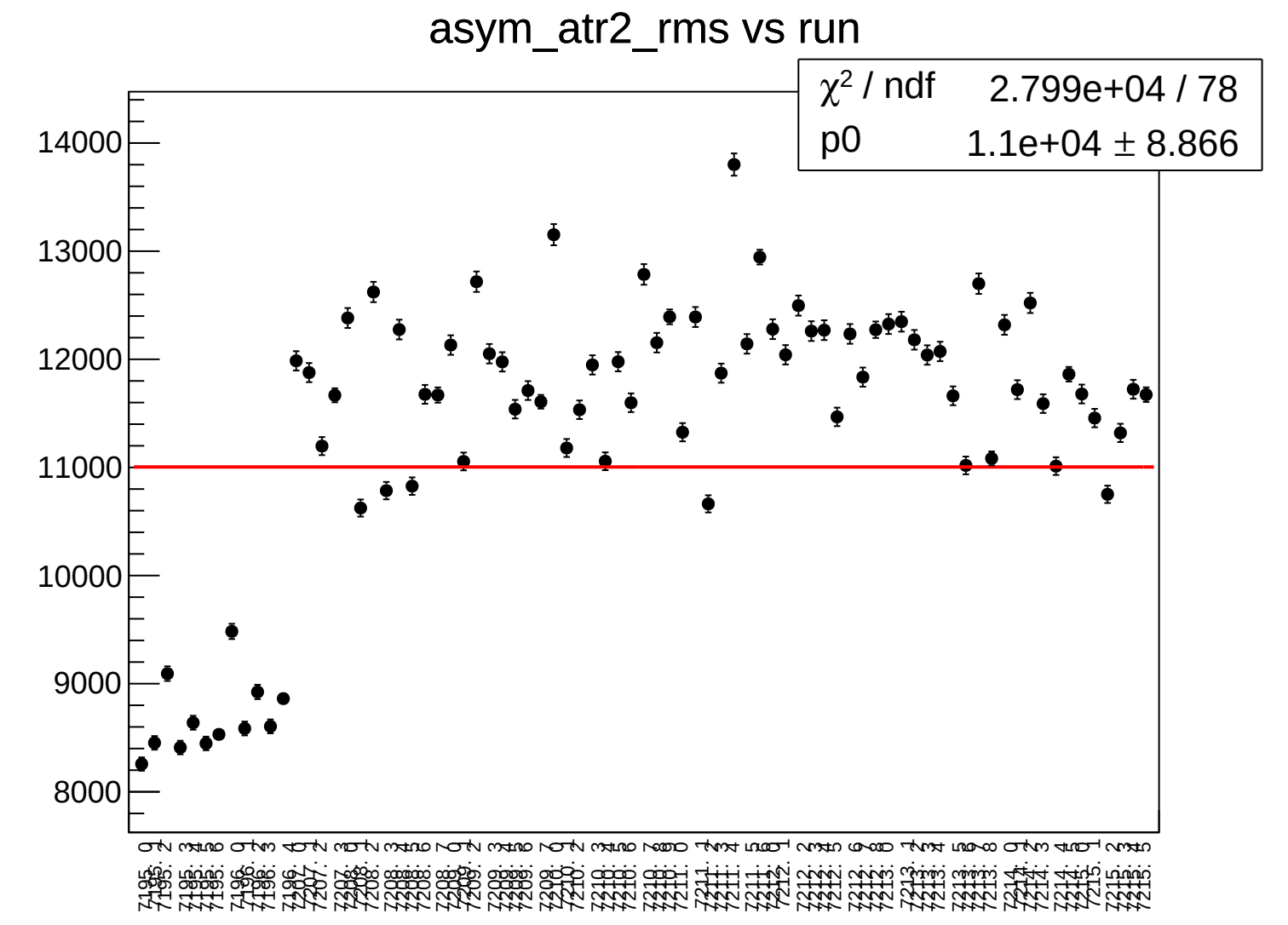

pull1D
Entries 79
Mean 0.001721
Std Dev 0.951

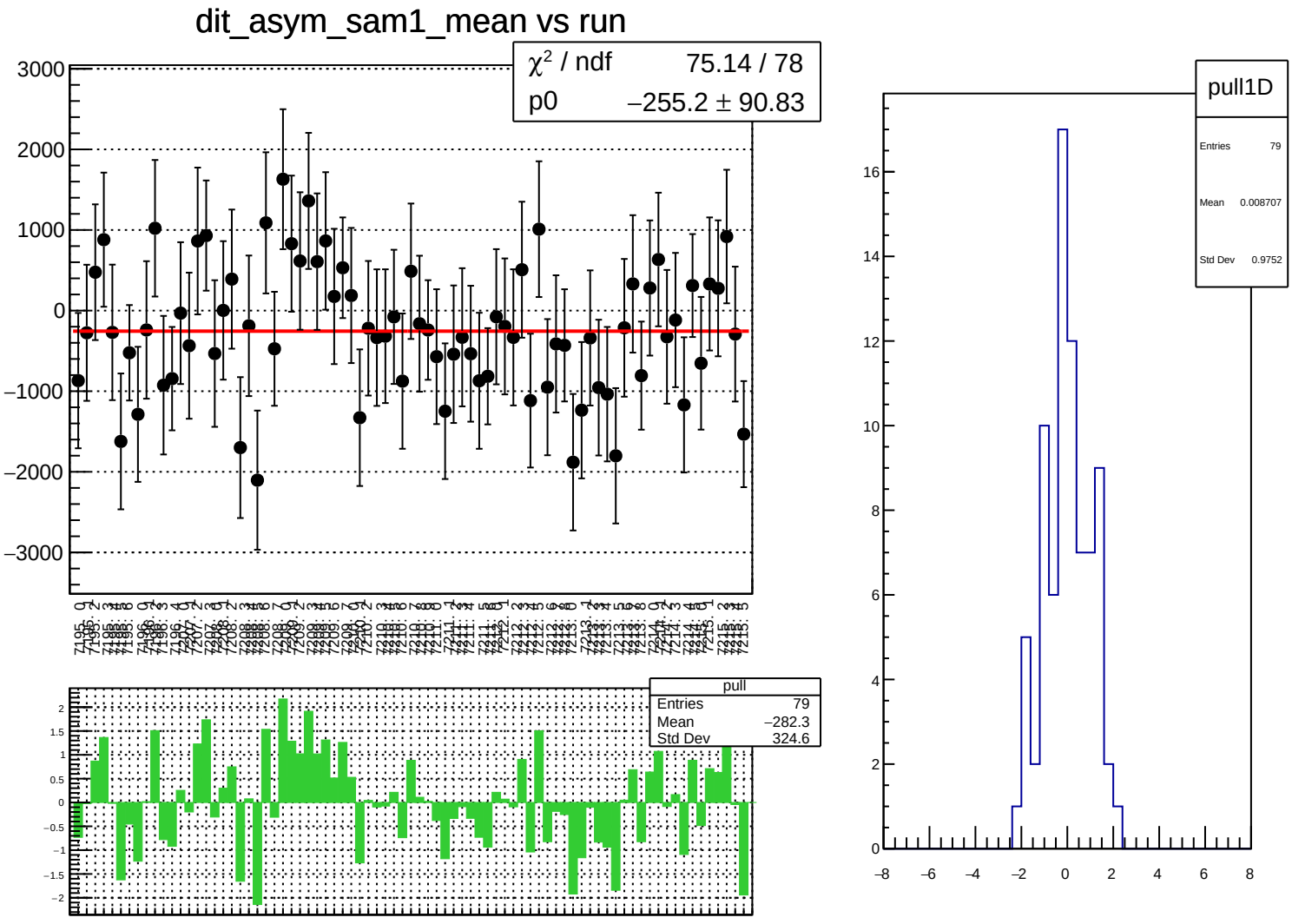
asym_atr2_correction_rms vs run



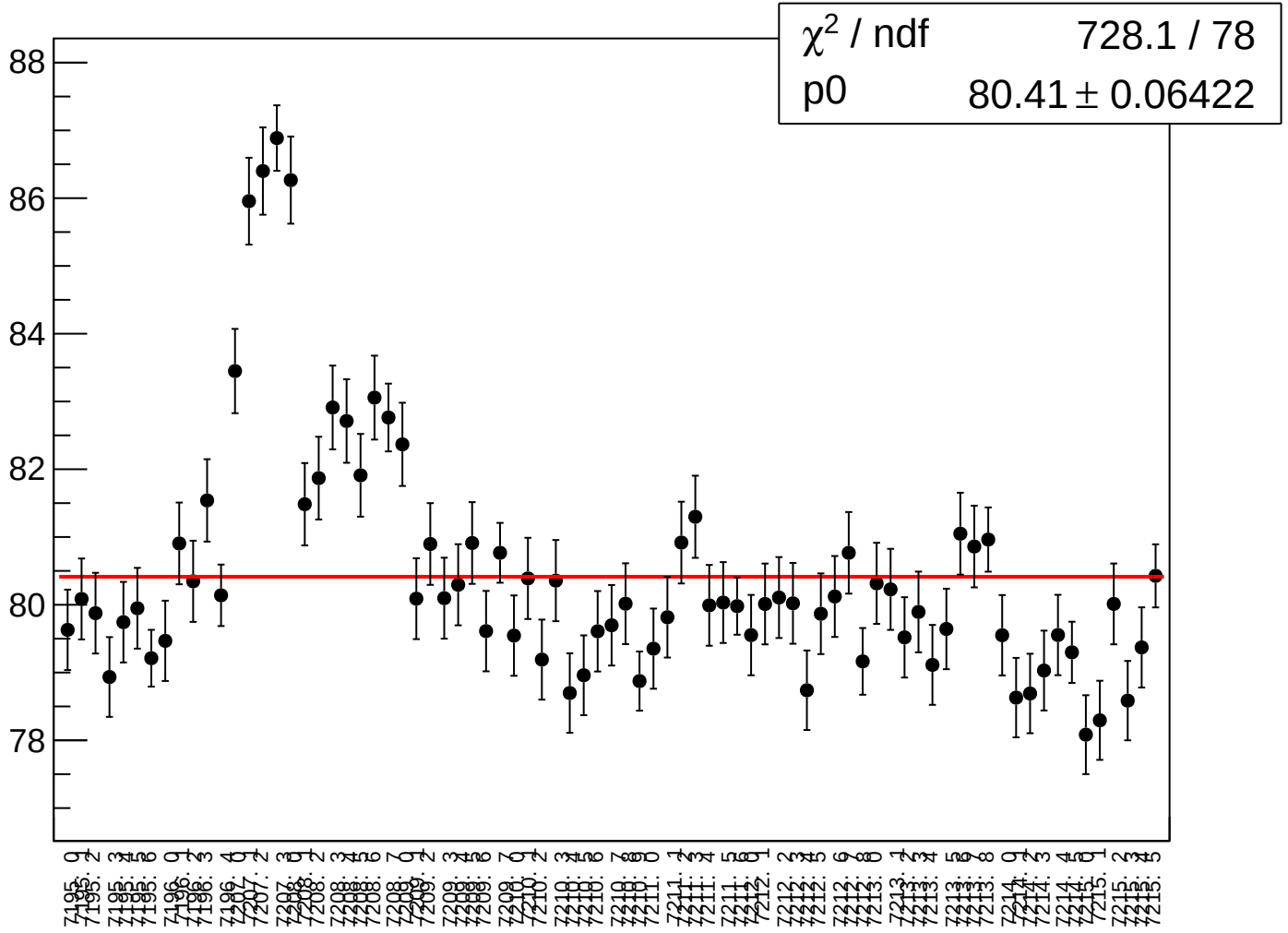

asym_atr2_mean vs run
×10^3
χ² / ndf 75.52 / 78
p0 −1.201e+04 ± 1.254e+04
pull
Entries 79
Mean −352.4
Std Dev 384.2

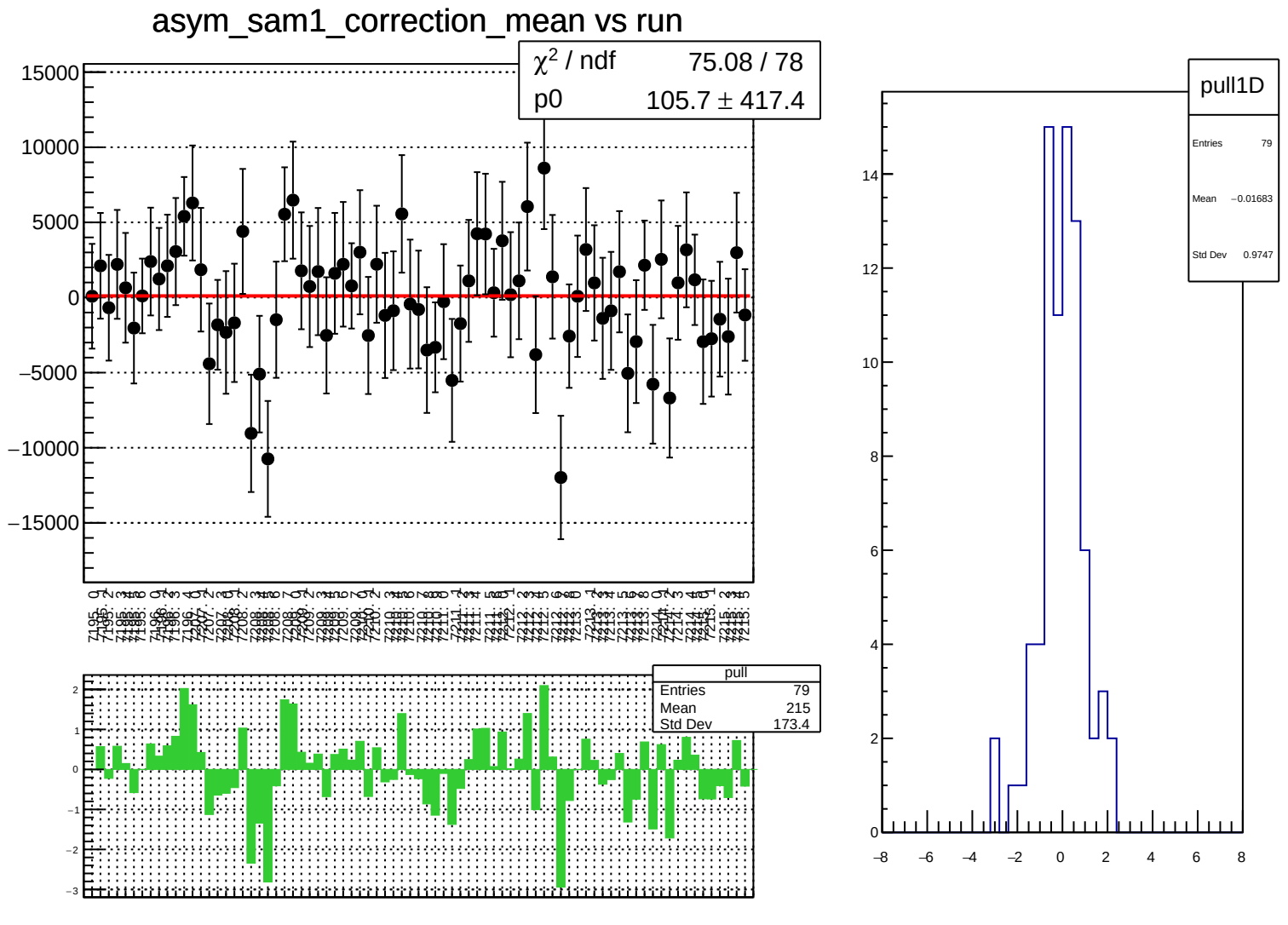

pull1D
Entries 79
Mean 0.005863
Std Dev 0.9777


asym_atr2_rms vs run
χ^2 / ndf 2.799e+04 / 78
p0 1.1e+04 ± 8.866
14000
13000
12000
11000
10000
9000
8000

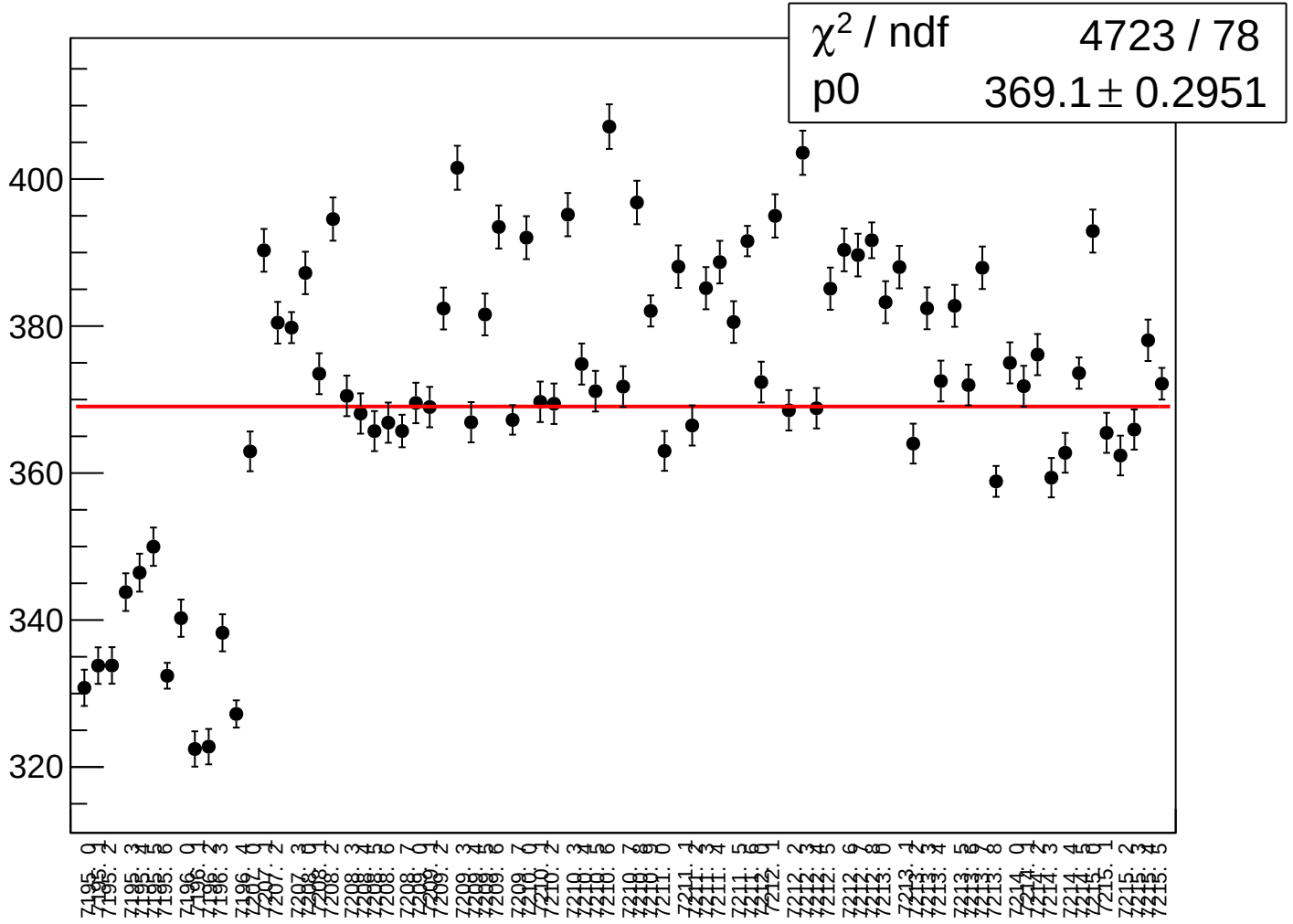

dit_asym_sam1_mean vs run
χ² / ndf 75.14 / 78
p0 −255.2 ± 90.83
pull
Entries 79
Mean −282.3
Std Dev 324.6
pull1D
Entries 79
Mean 0.008707
Std Dev 0.9752

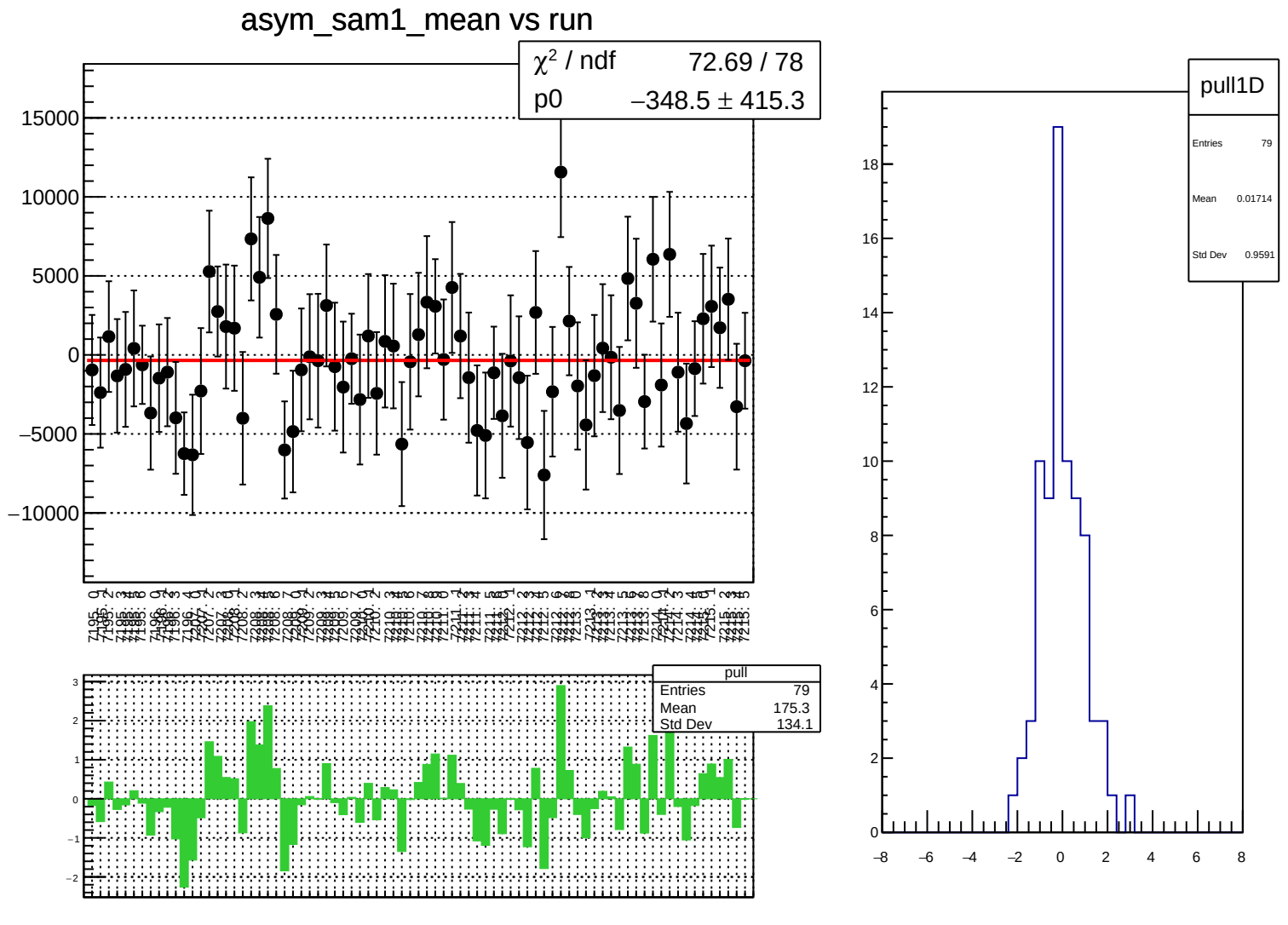
dit_asym_sam1_rms vs run

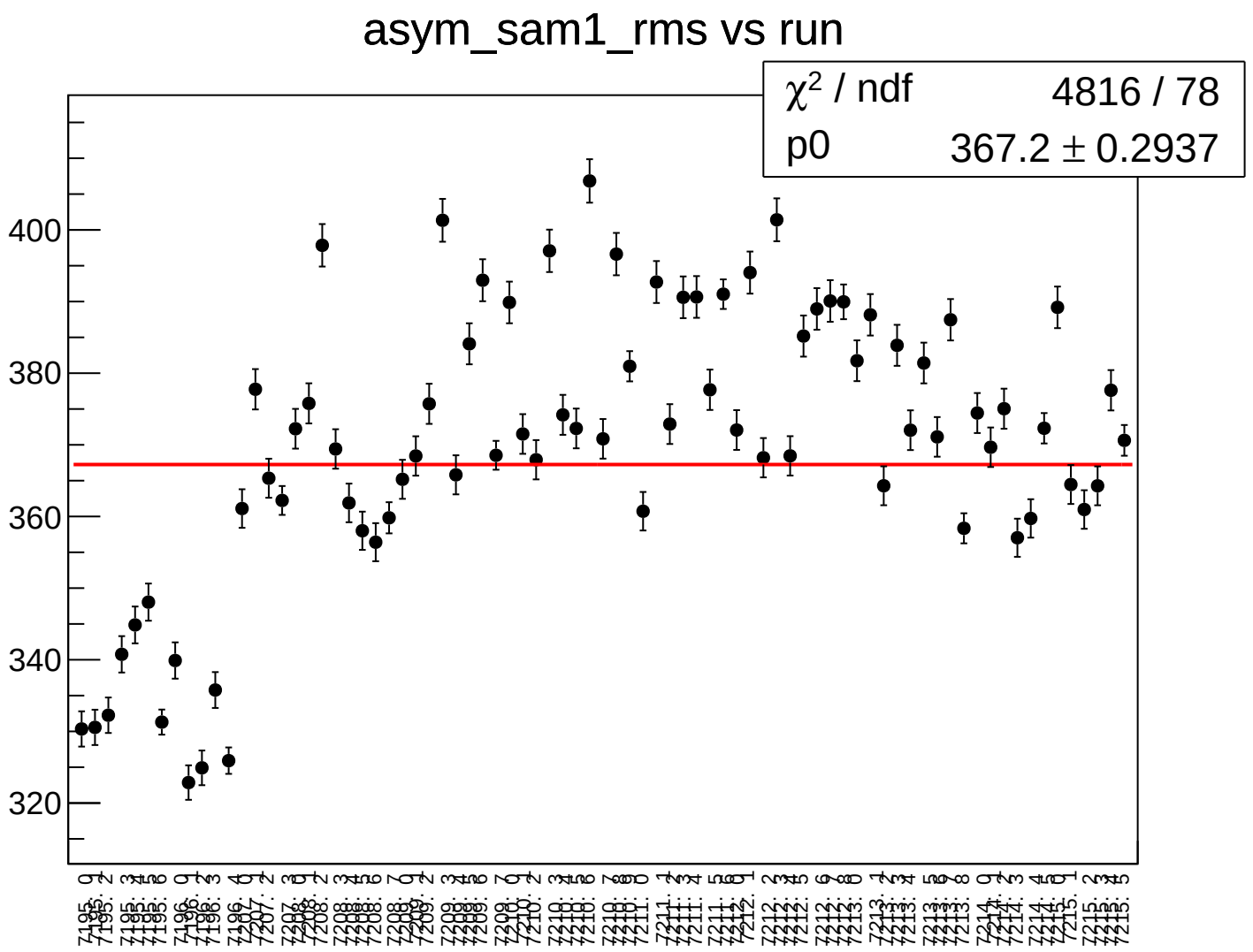


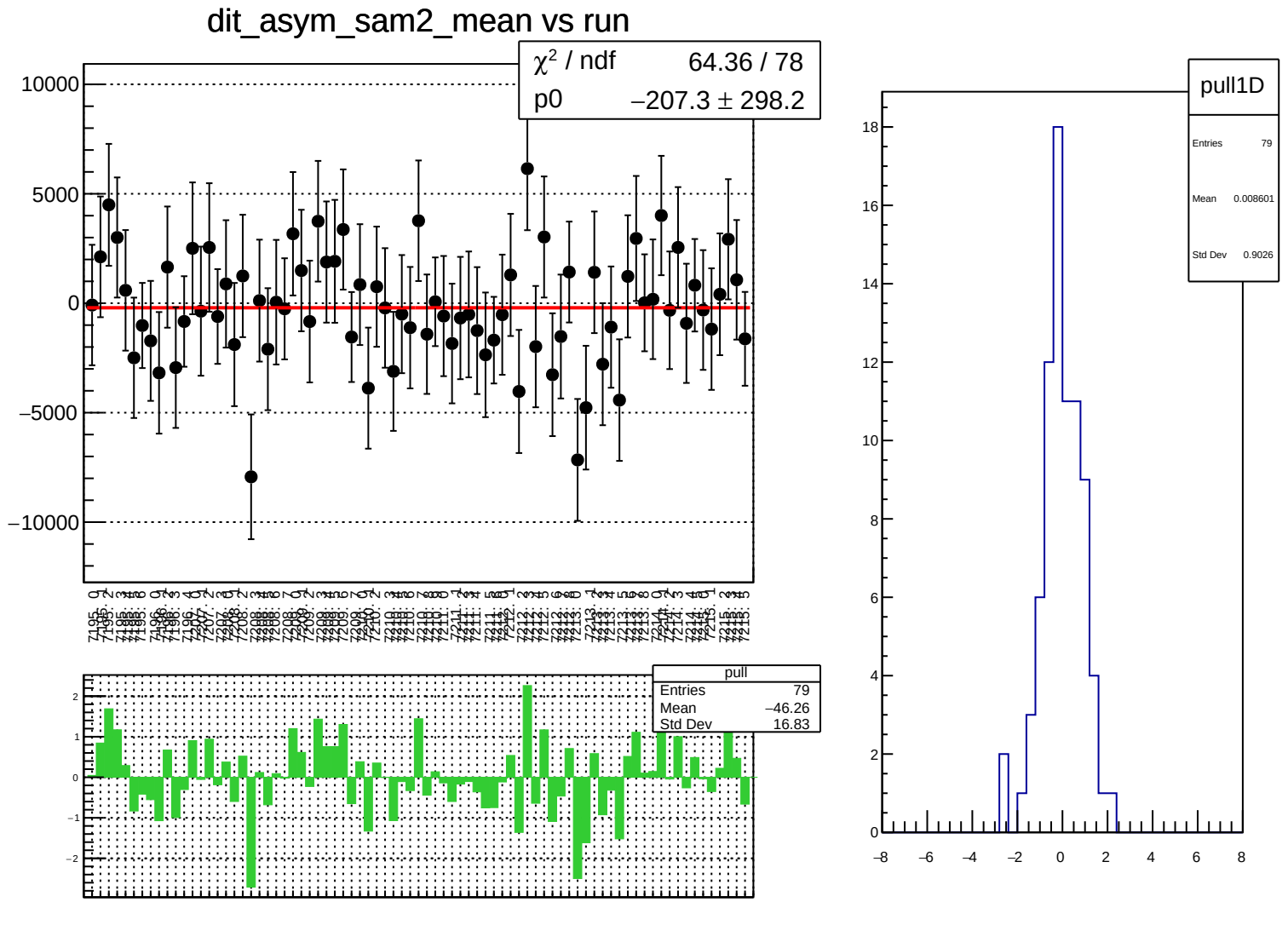

asym_sam1_correction_mean vs run
χ² / ndf 75.08 / 78
p0 105.7 ± 417.4
pull
Entries 79
Mean 215
Std Dev 173.4
pull1D
Entries 79
Mean −0.01683
Std Dev 0.9747

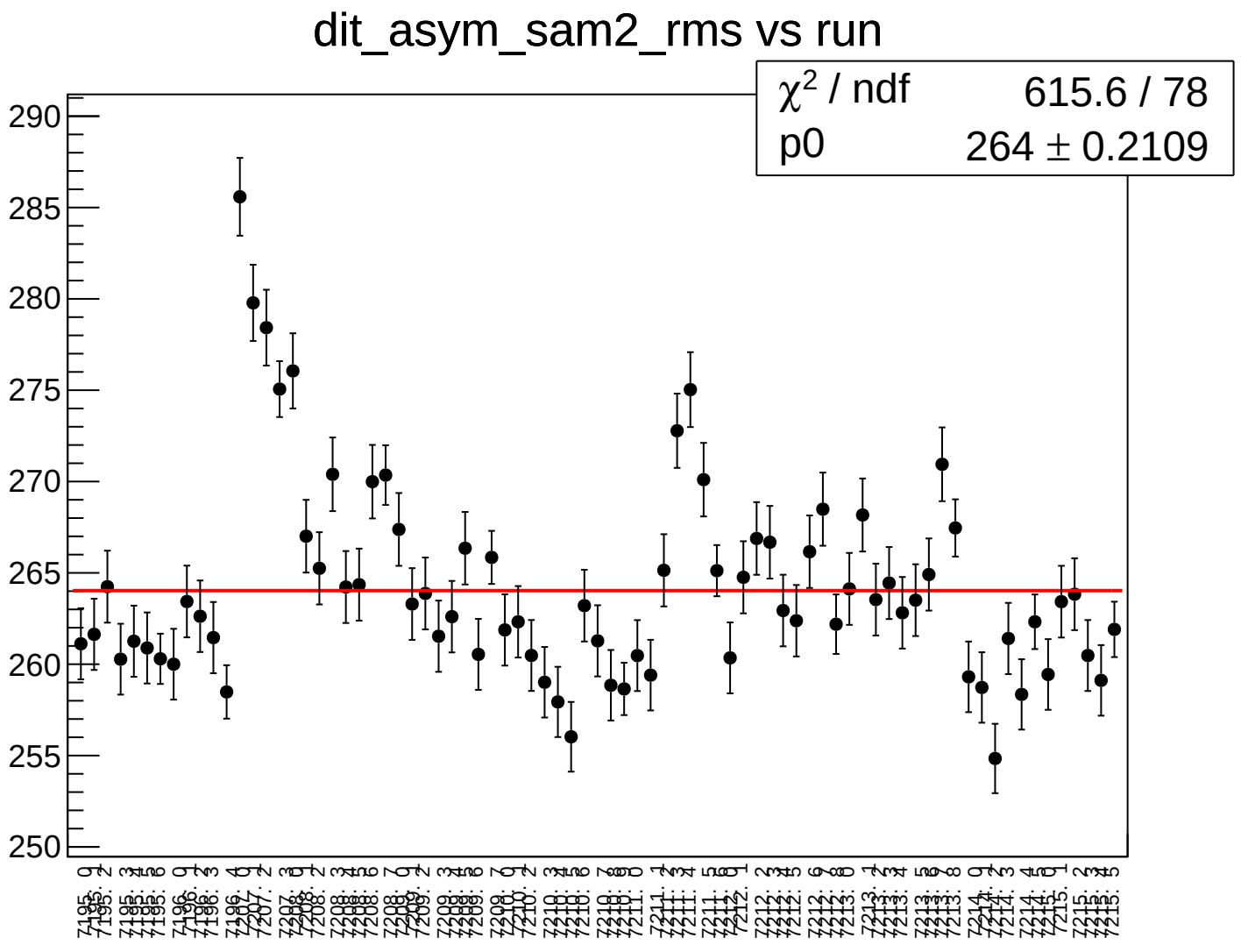
asym_sam1_correction_rms vs run

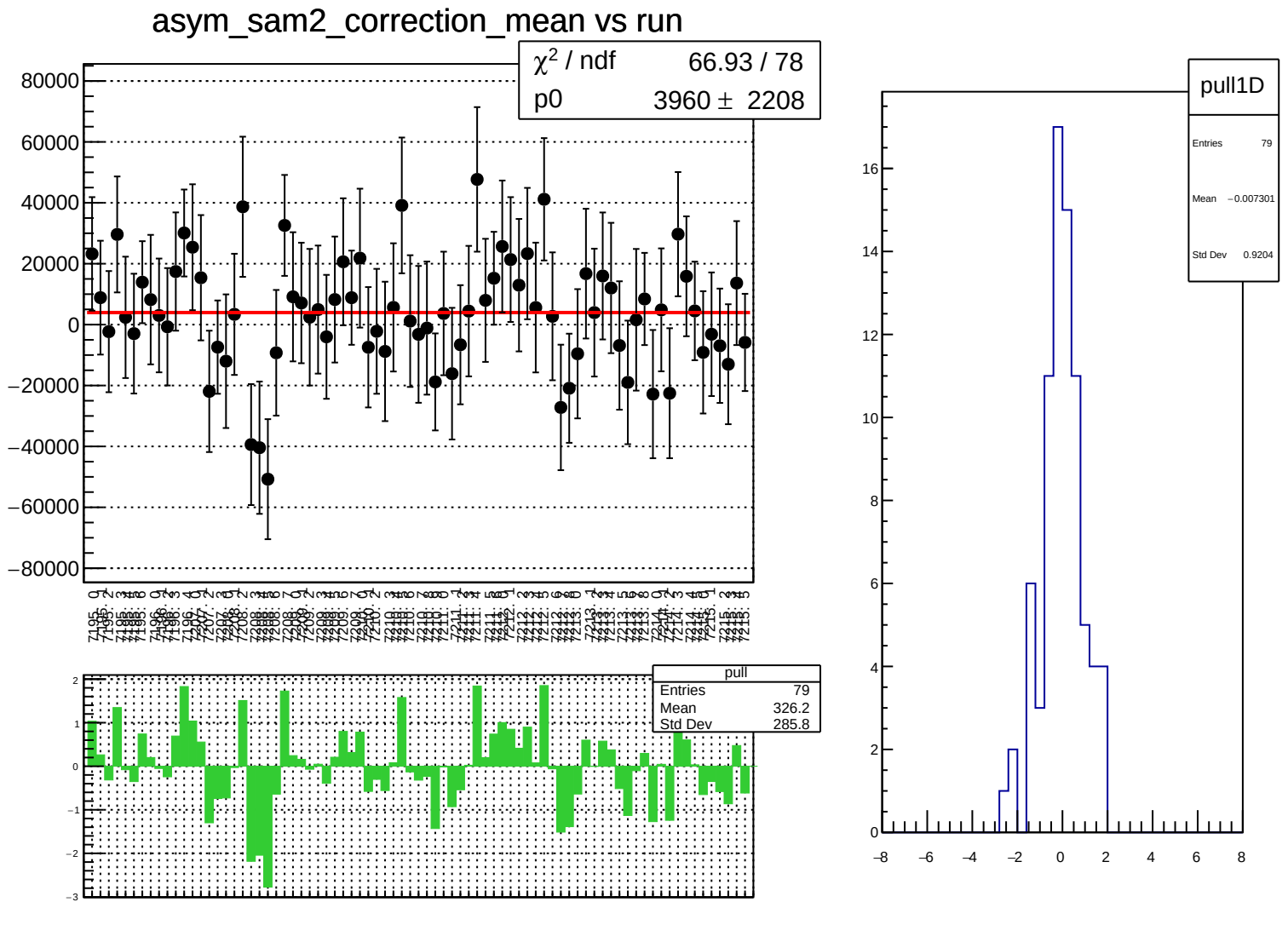


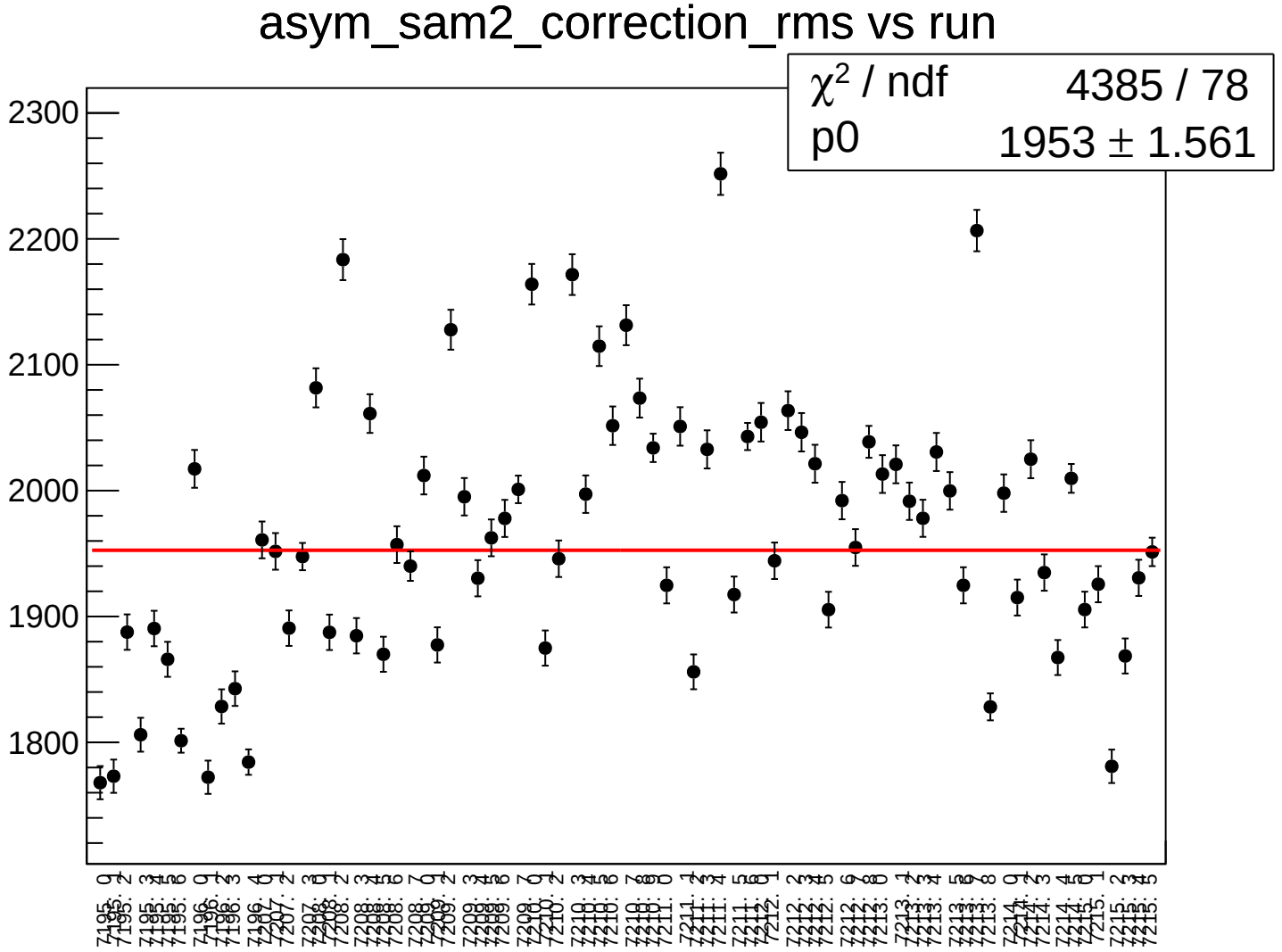

asym_sam1_mean vs run
χ² / ndf 72.69 / 78
p0 −348.5 ± 415.3
15000
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 175.3
Std Dev 134.1
3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.01714
Std Dev 0.9591
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

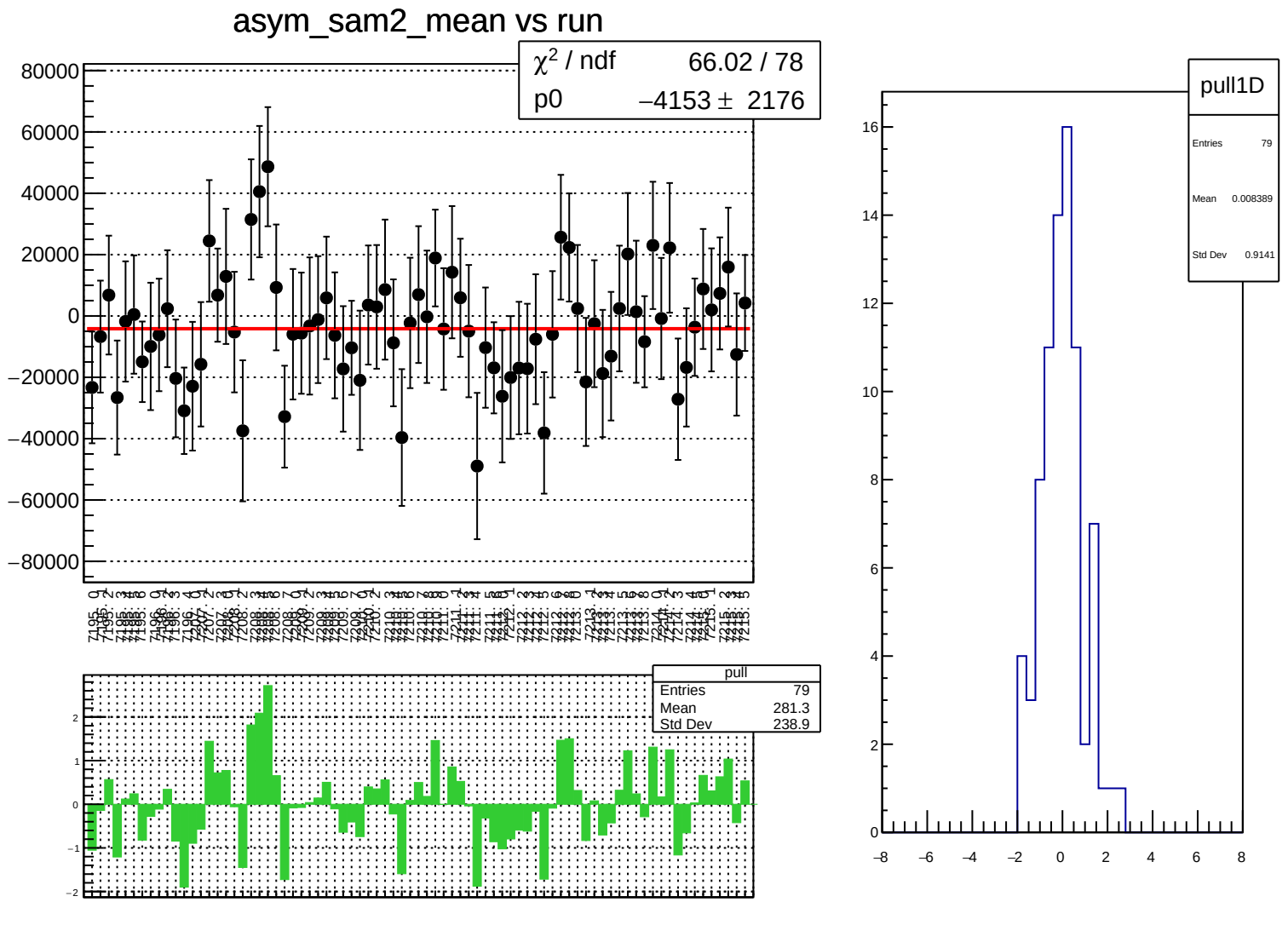

asym_sam1_rms vs run
χ^2 / ndf 4816 / 78
p0 367.2 ± 0.2937
400
380
360
340
320

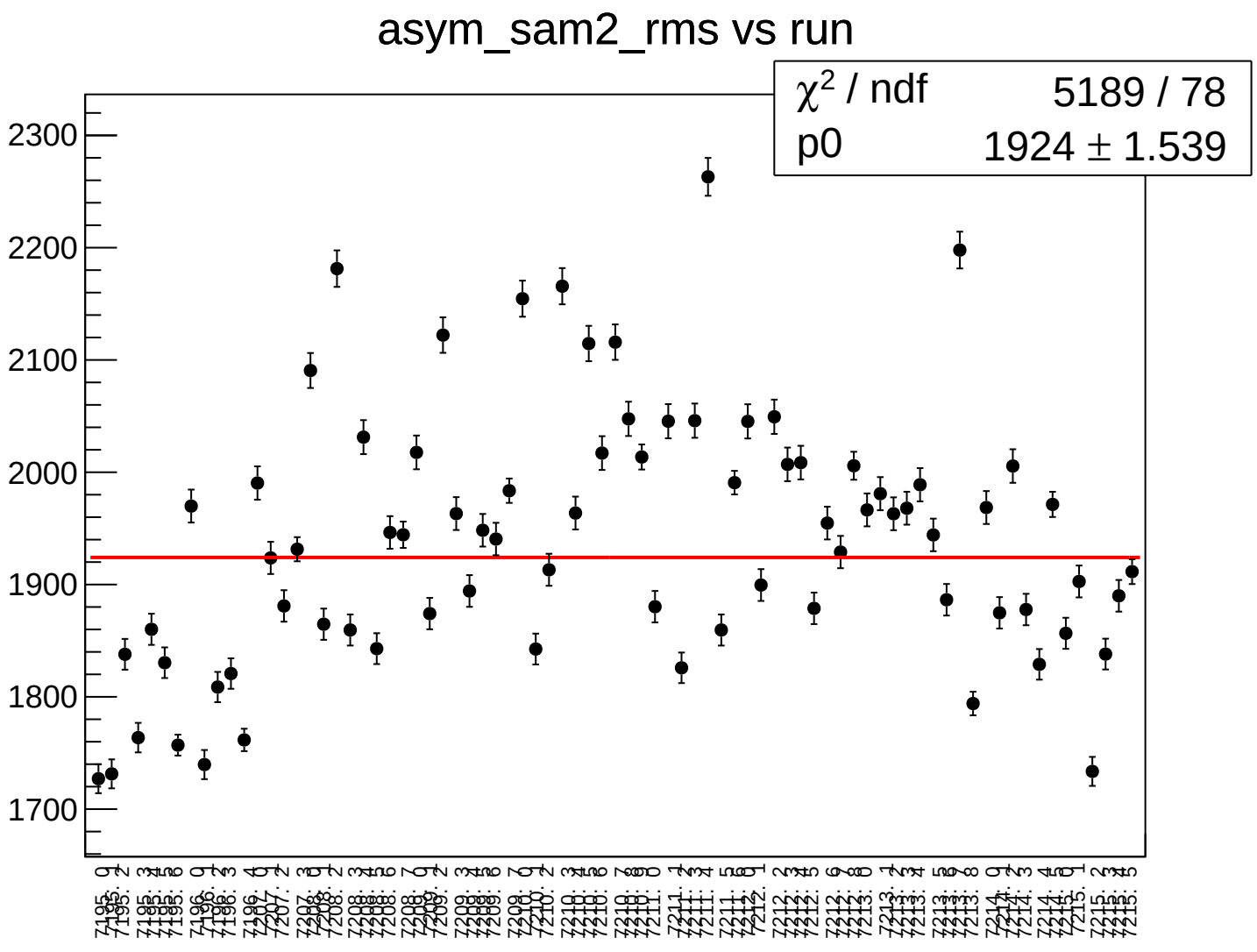

dit_asym_sam2_mean vs run
χ² / ndf 64.36 / 78
p0 −207.3 ± 298.2
10000
5000
0
−5000
−10000
pull
Entries 79
Mean −46.26
Std Dev 16.83
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.008601
Std Dev 0.9026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

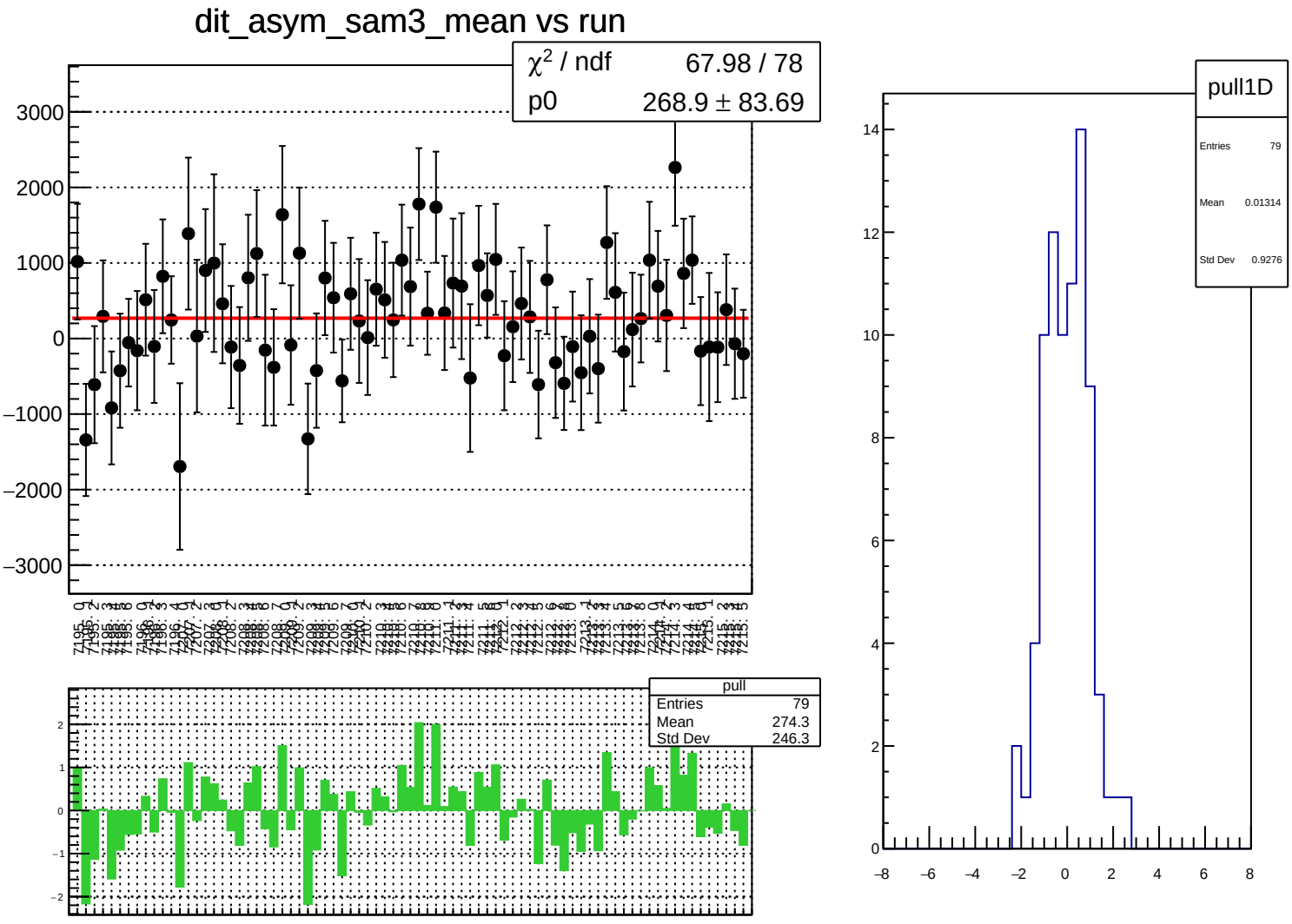

dit_asym_sam2_rms vs run
χ² / ndf 615.6 / 78
p0 264 ± 0.2109
290
285
280
275
270
265
260
255
250

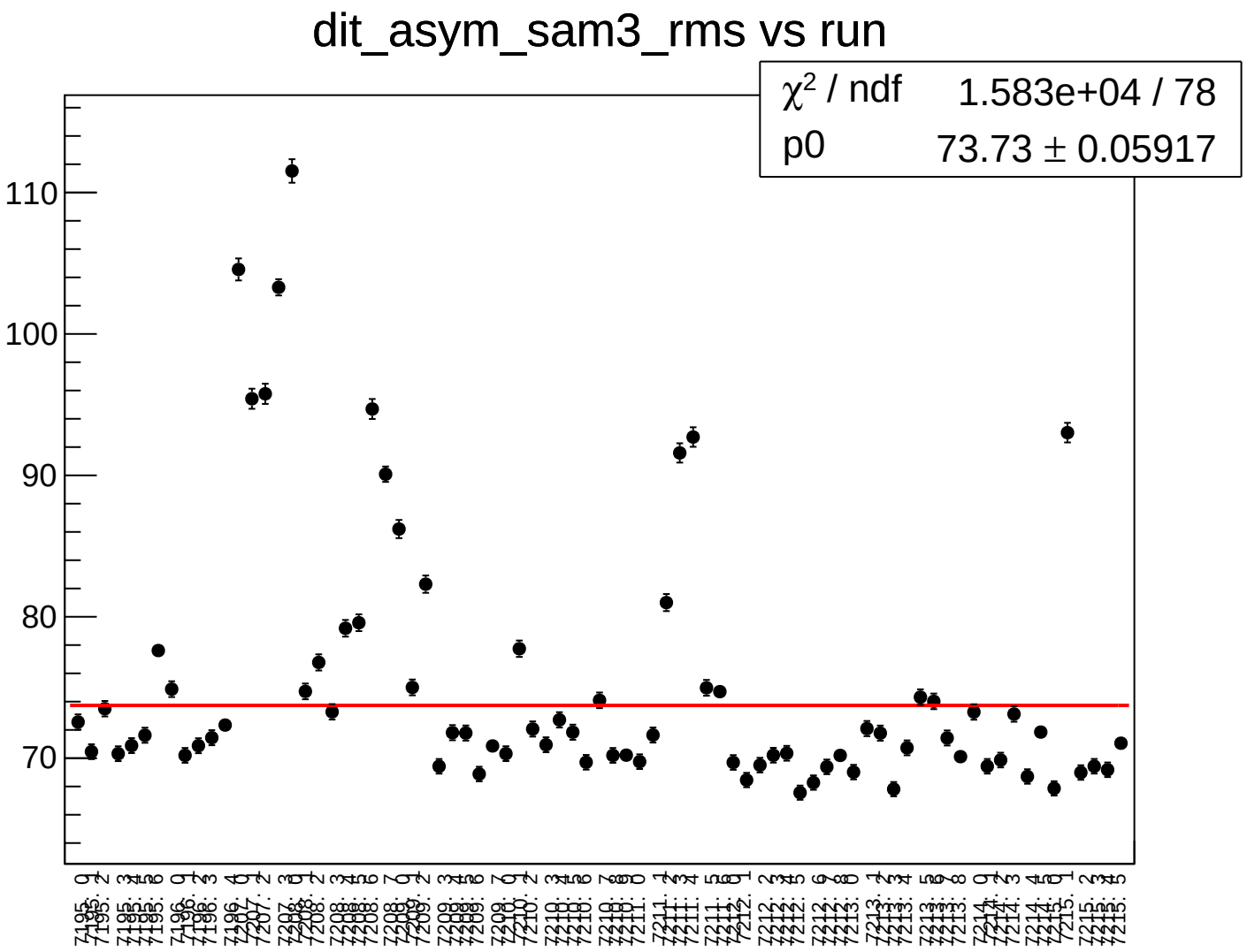

asym_sam2_correction_mean vs run
χ² / ndf 66.93 / 78
p0 3960 ± 2208
pull
Entries 79
Mean 326.2
Std Dev 285.8
pull1D
Entries 79
Mean −0.007301
Std Dev 0.9204

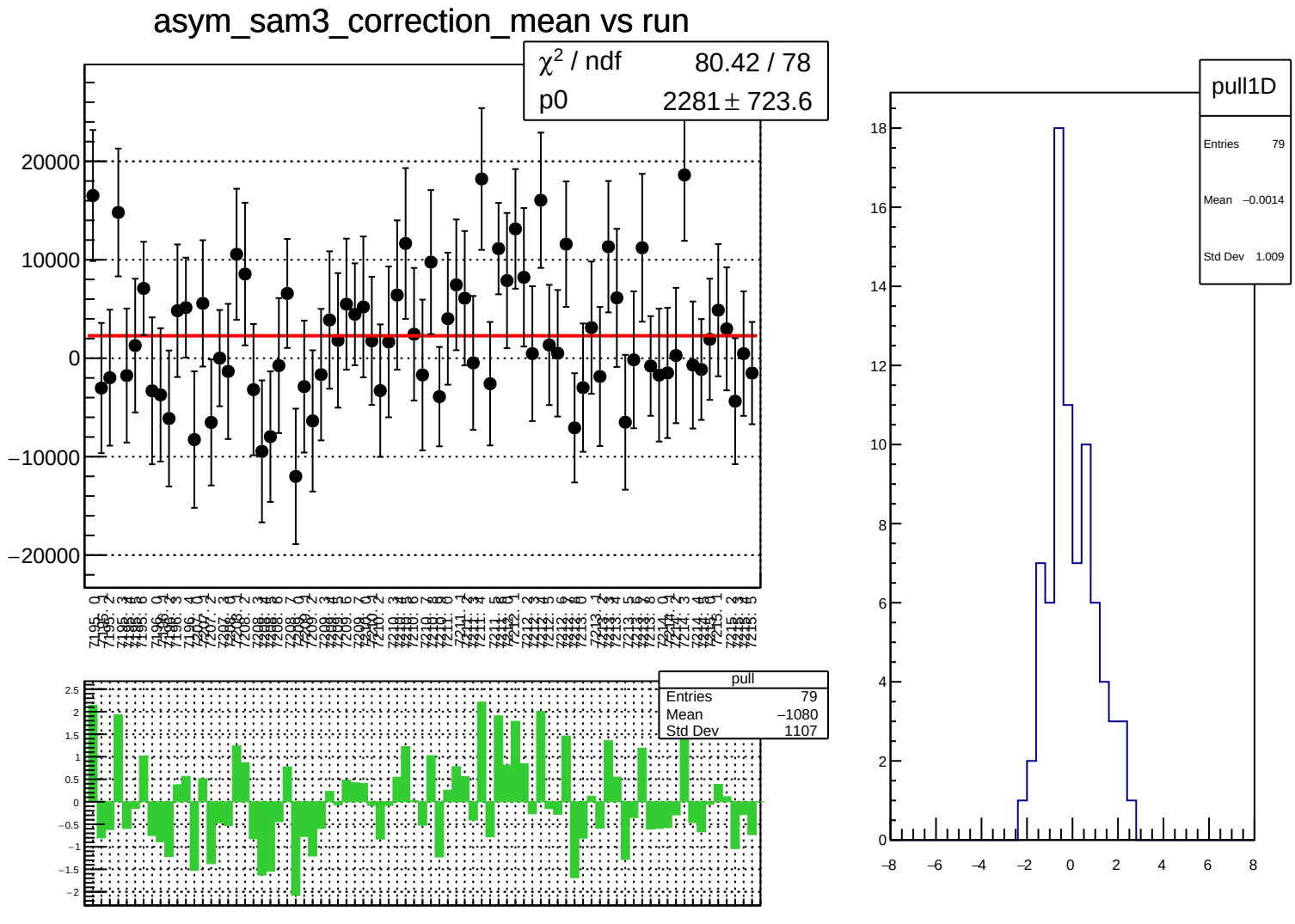

asym_sam2_correction_rms vs run
χ² / ndf 4385 / 78
p0 1953 ± 1.561
2300
2200
2100
2000
1900
1800

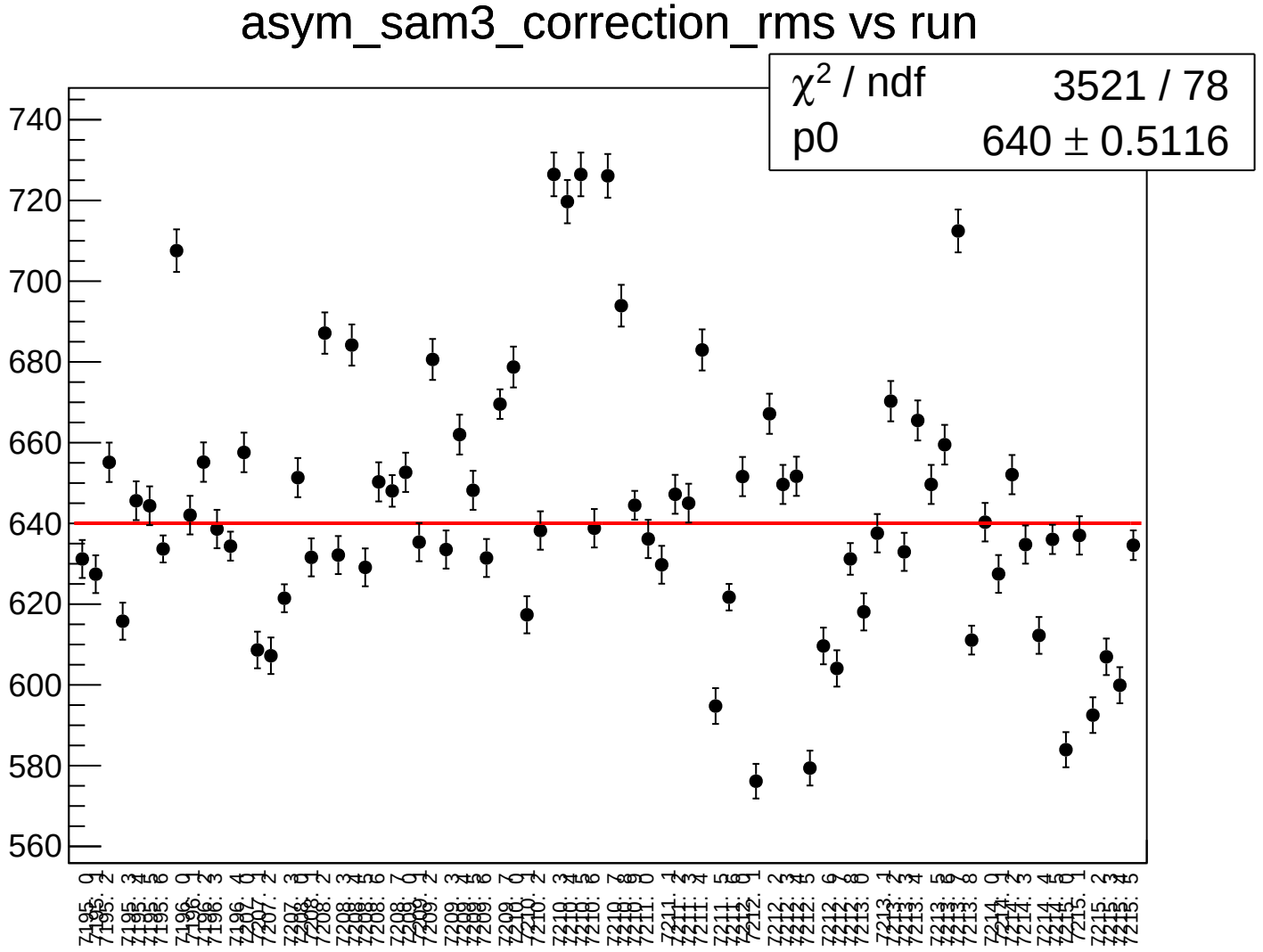

asym_sam2_mean vs run
χ² / ndf 66.02 / 78
p0 −4153 ± 2176
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 79
Mean 281.3
Std Dev 238.9
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.008389
Std Dev 0.9141
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

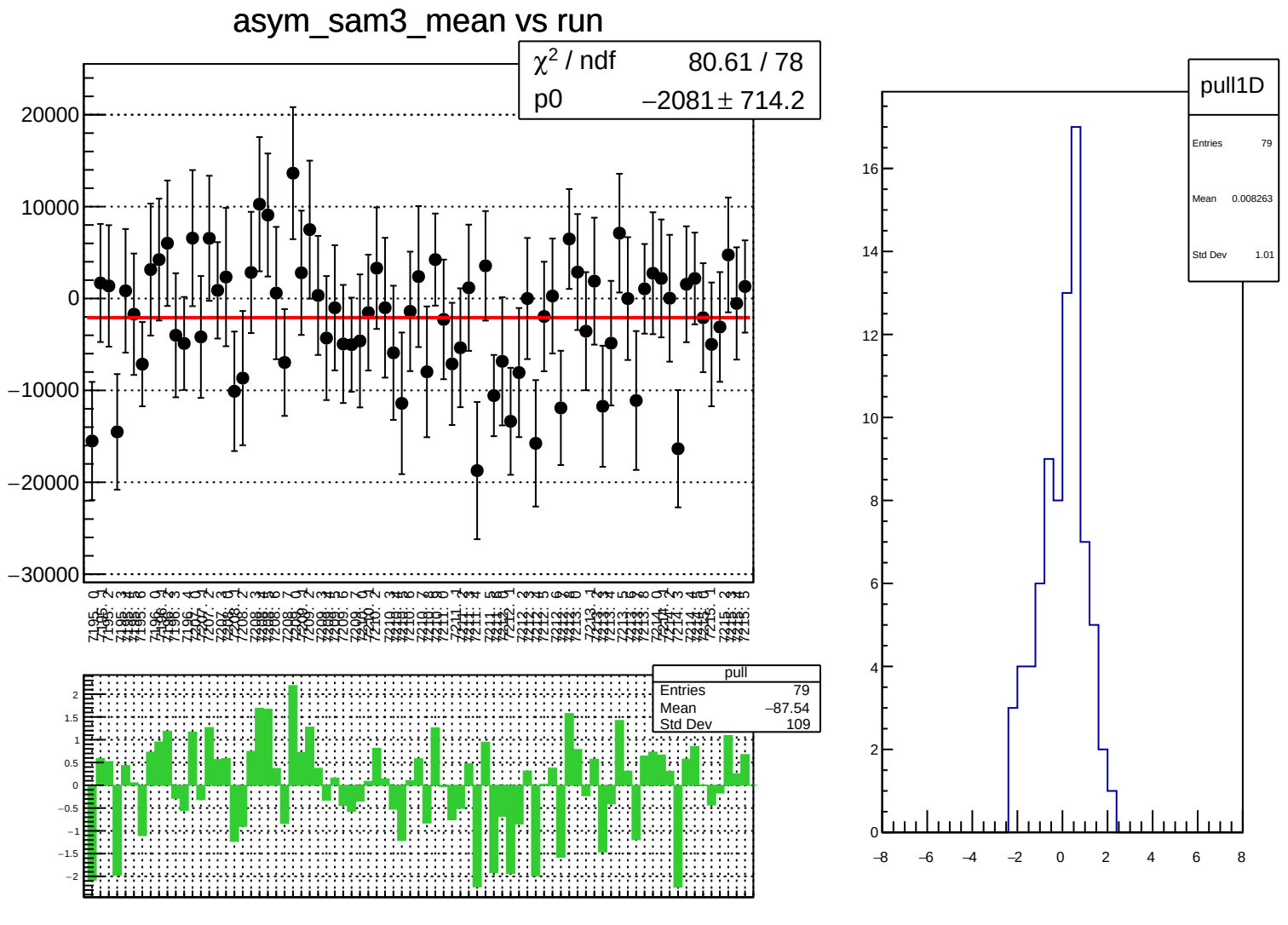

asym_sam2_rms vs run
χ^2 / ndf 5189 / 78
p0 1924 ± 1.539
2300
2200
2100
2000
1900
1800
1700

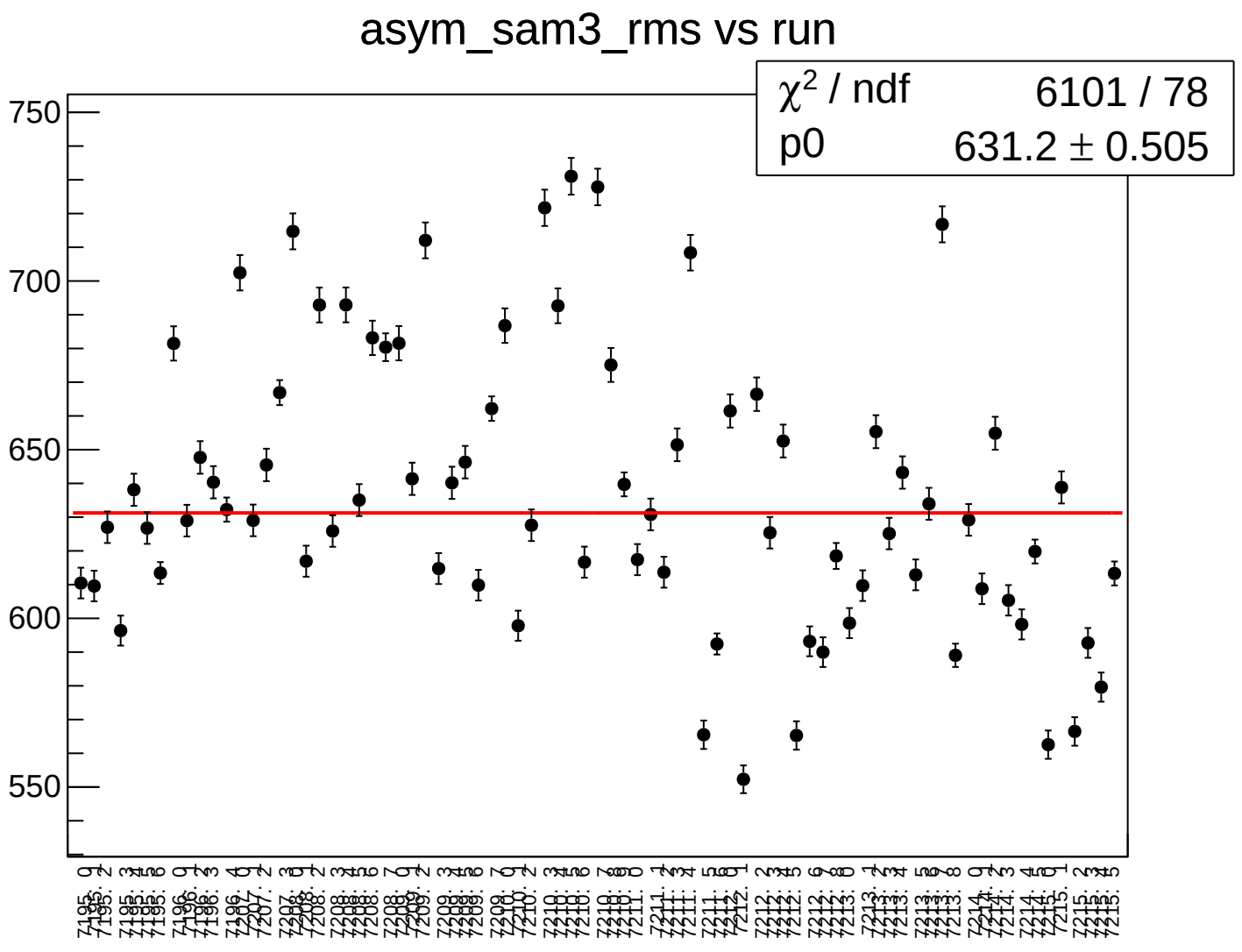

dit_asym_sam3_mean vs run
χ² / ndf 67.98 / 78
p0 268.9 ± 83.69
pull
Entries 79
Mean 274.3
Std Dev 246.3
pull1D
Entries 79
Mean 0.01314
Std Dev 0.9276

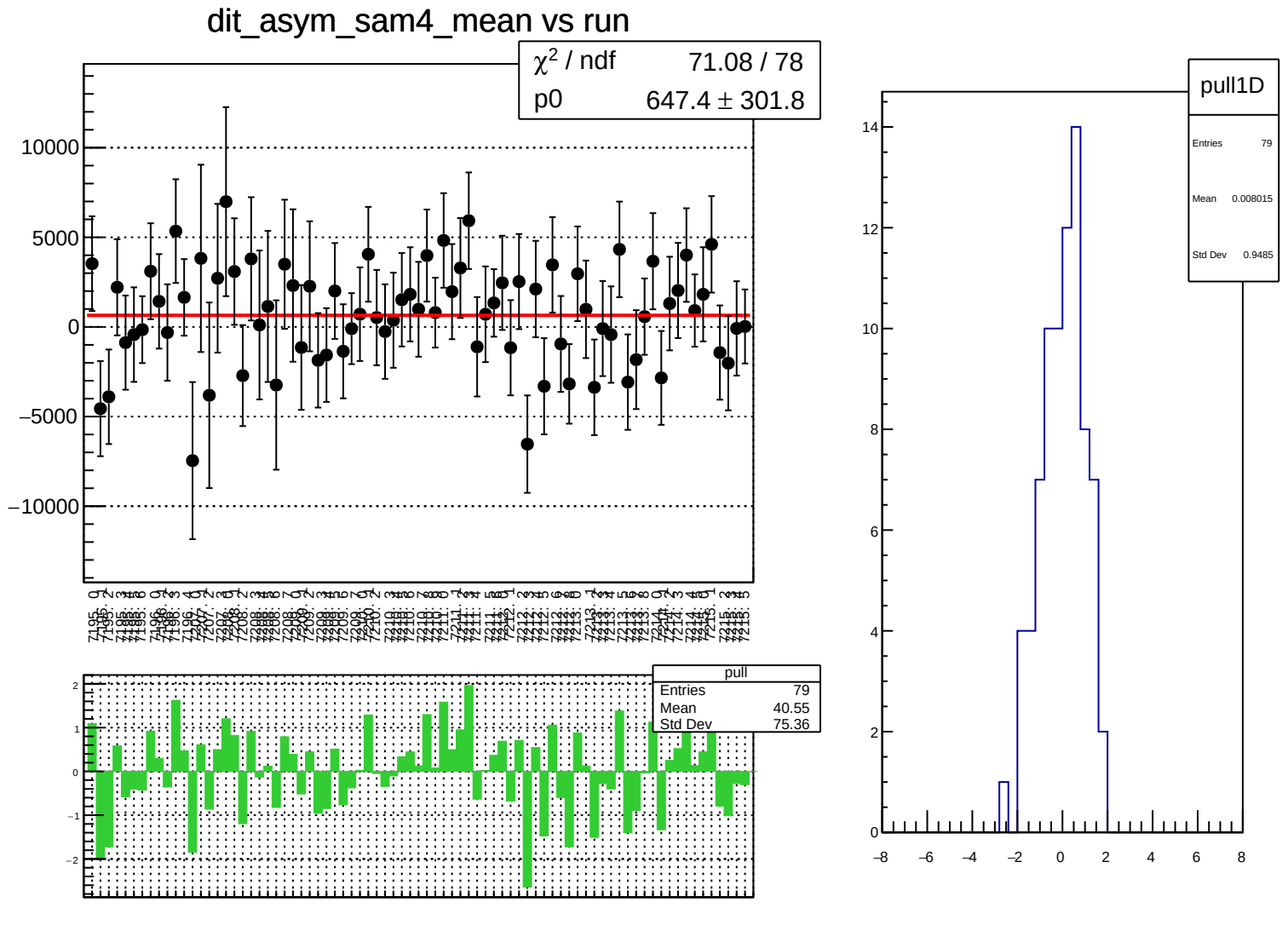

dit_asym_sam3_rms vs run
χ^2 / ndf 1.583e+04 / 78
p0 73.73 ± 0.05917
110
100
90
80
70

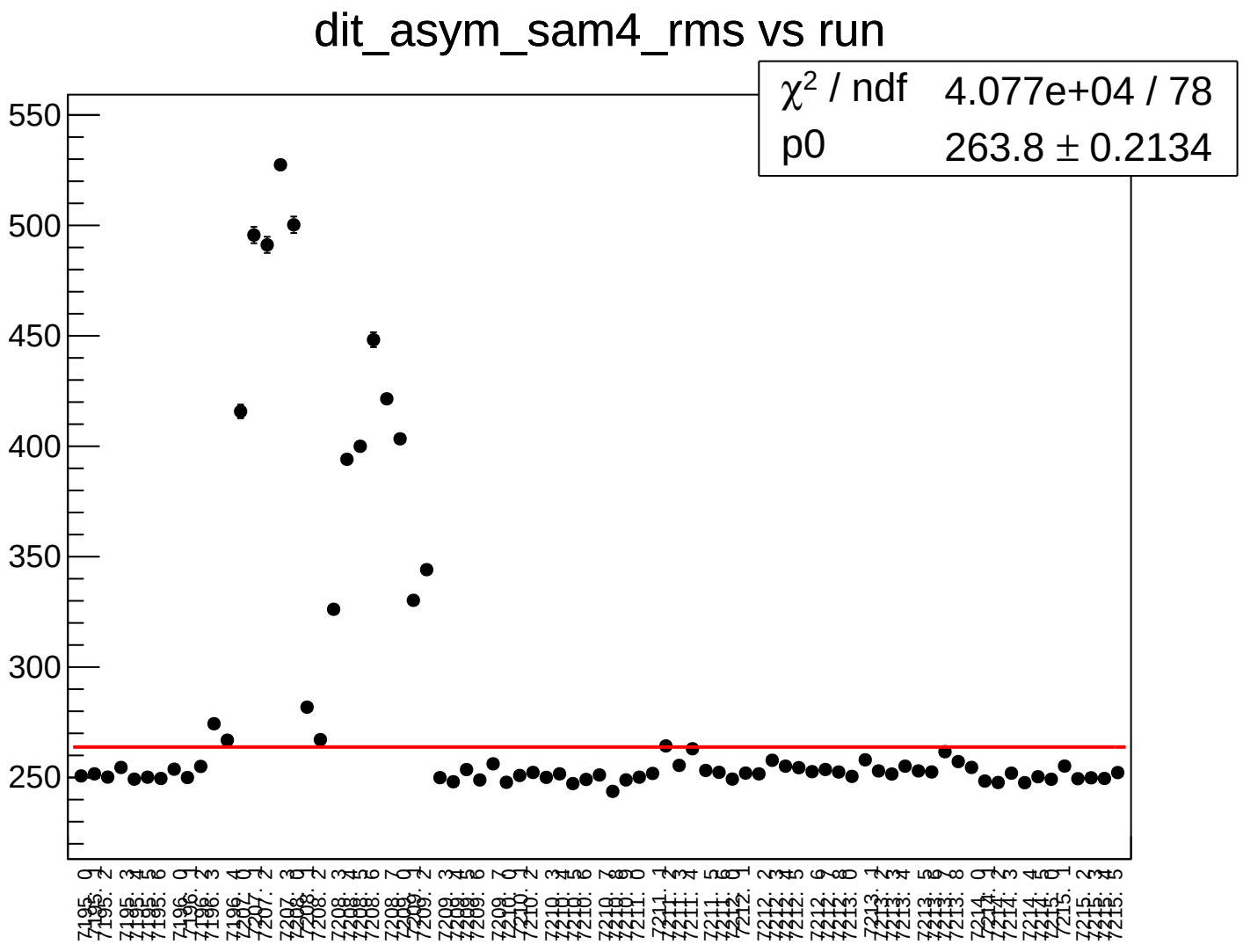

asym_sam3_correction_mean vs run
χ² / ndf 80.42 / 78
p0 2281 ± 723.6
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −1080
Std Dev 1107
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 79
Mean −0.0014
Std Dev 1.009
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

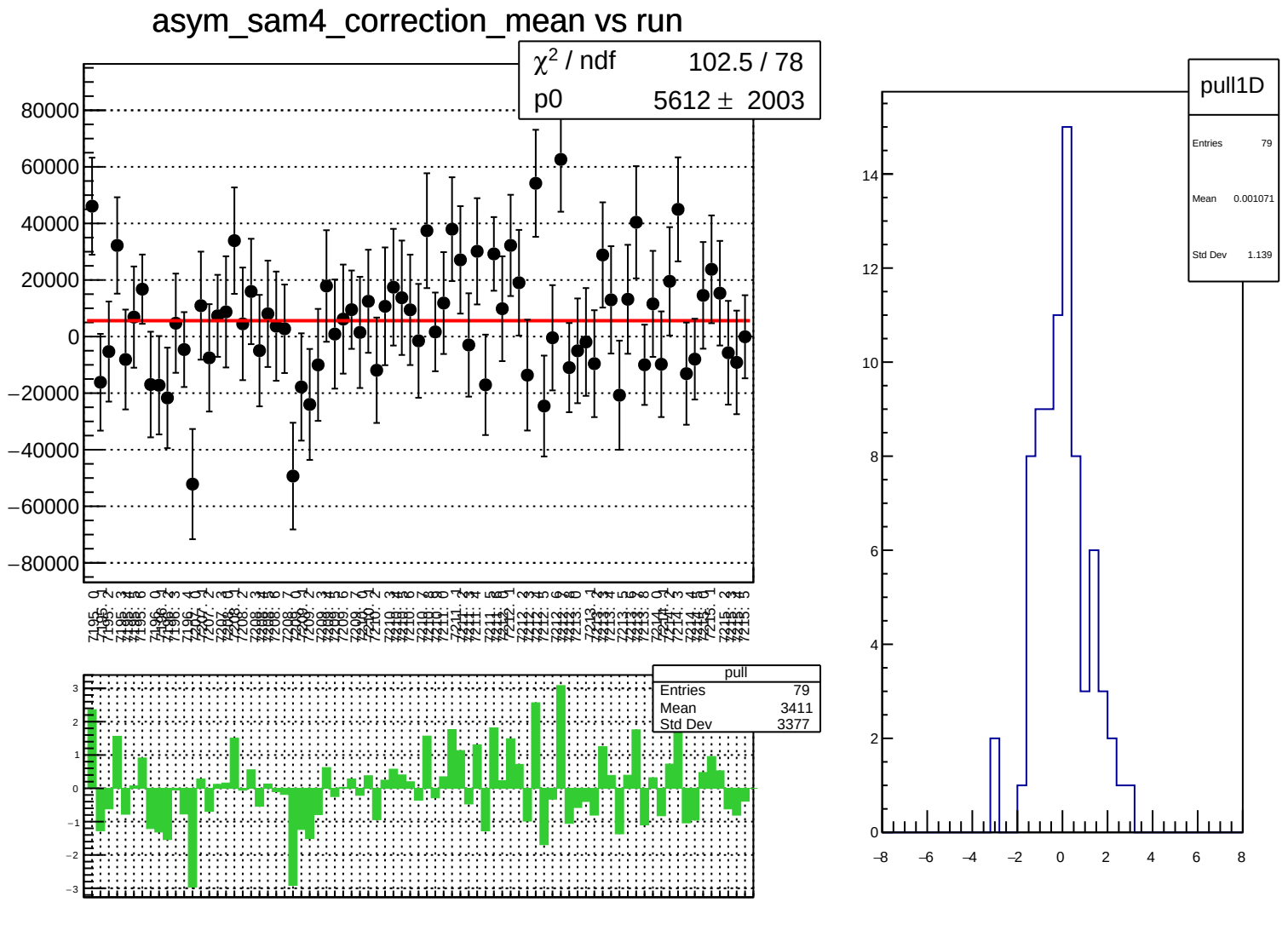

asym_sam3_correction_rms vs run
χ2 / ndf 3521 / 78
p0 640 ± 0.5116
740
720
700
680
660
640
620
600
580
560

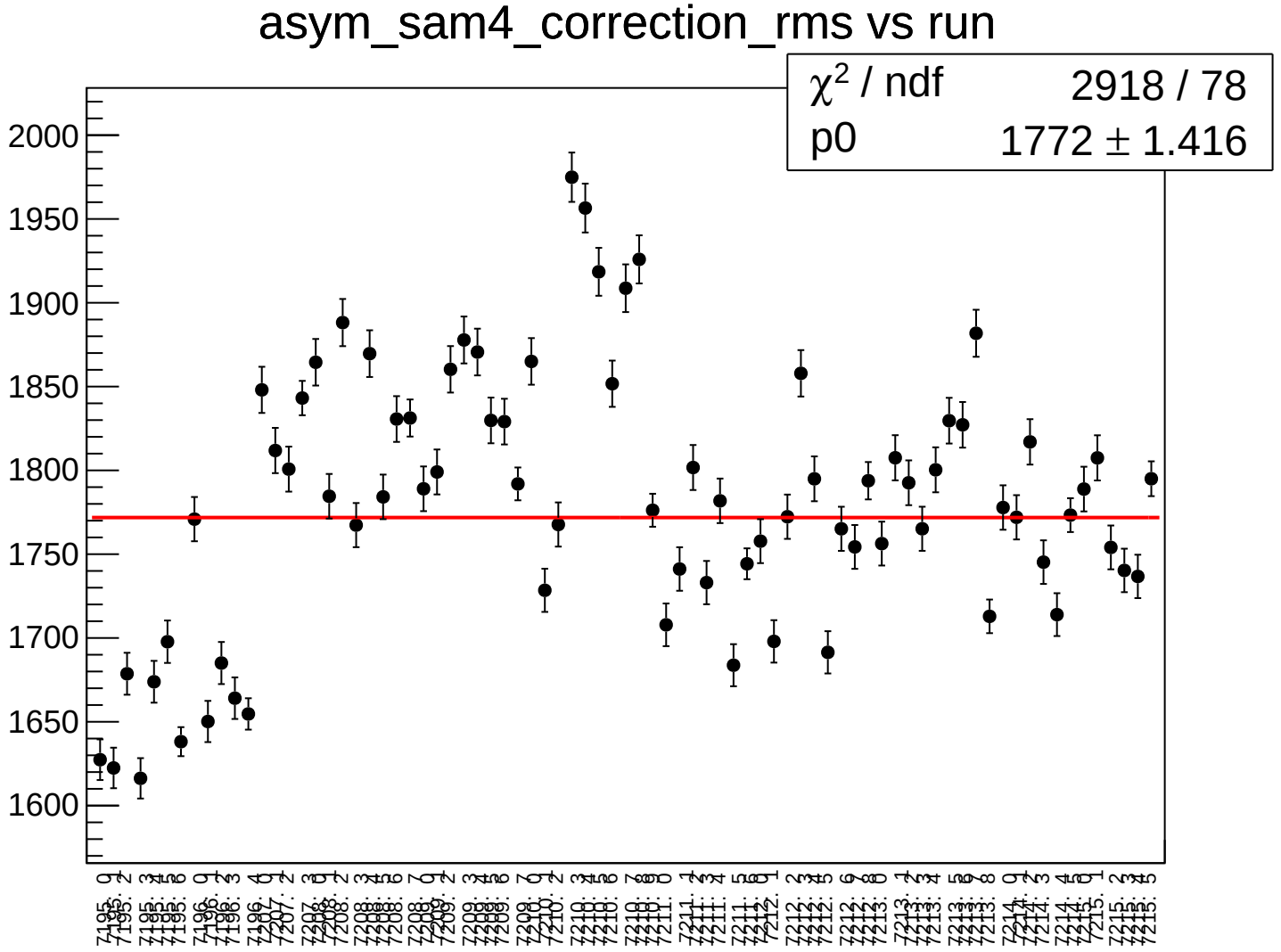

asym_sam3_mean vs run
χ² / ndf 80.61 / 78
p0 −2081 ± 714.2
pull
Entries 79
Mean −87.54
Std Dev 109
pull1D
Entries 79
Mean 0.008263
Std Dev 1.01

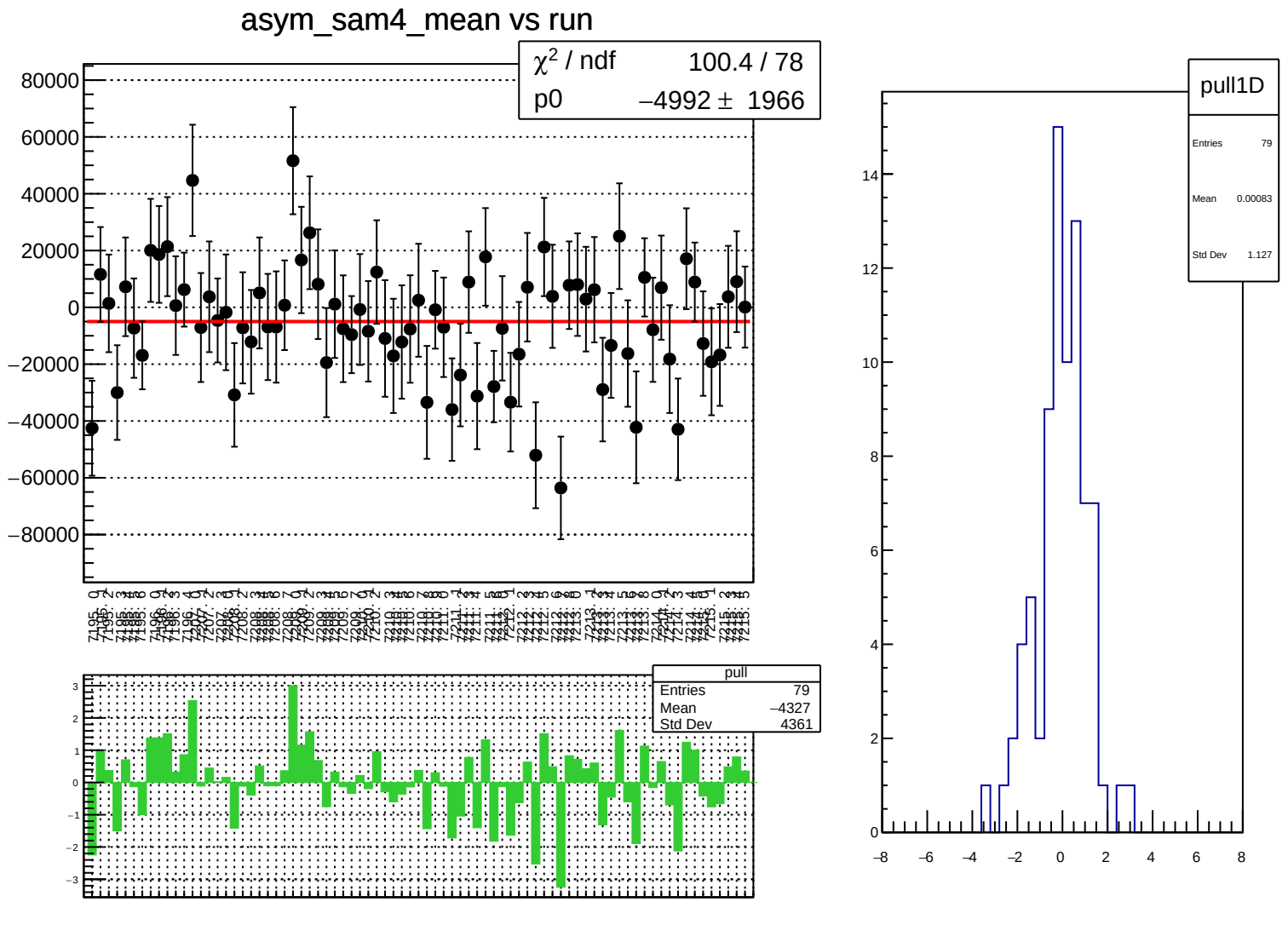

asym_sam3_rms vs run
χ² / ndf 6101 / 78
p0 631.2 ± 0.505
750
700
650
600
550

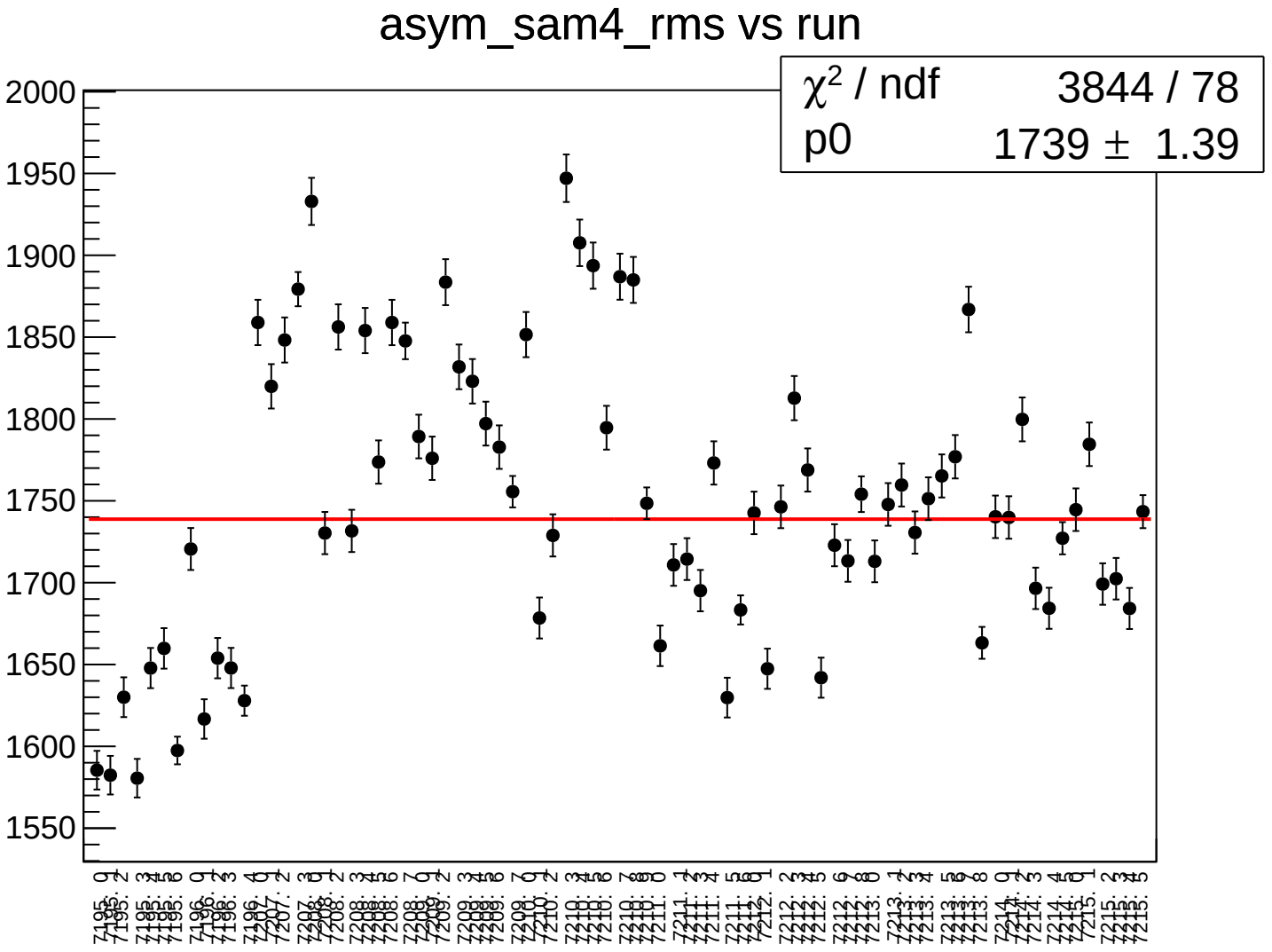

dit_asym_sam4_mean vs run
χ² / ndf 71.08 / 78
p0 647.4 ± 301.8
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 40.55
Std Dev 75.36
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.008015
Std Dev 0.9485
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

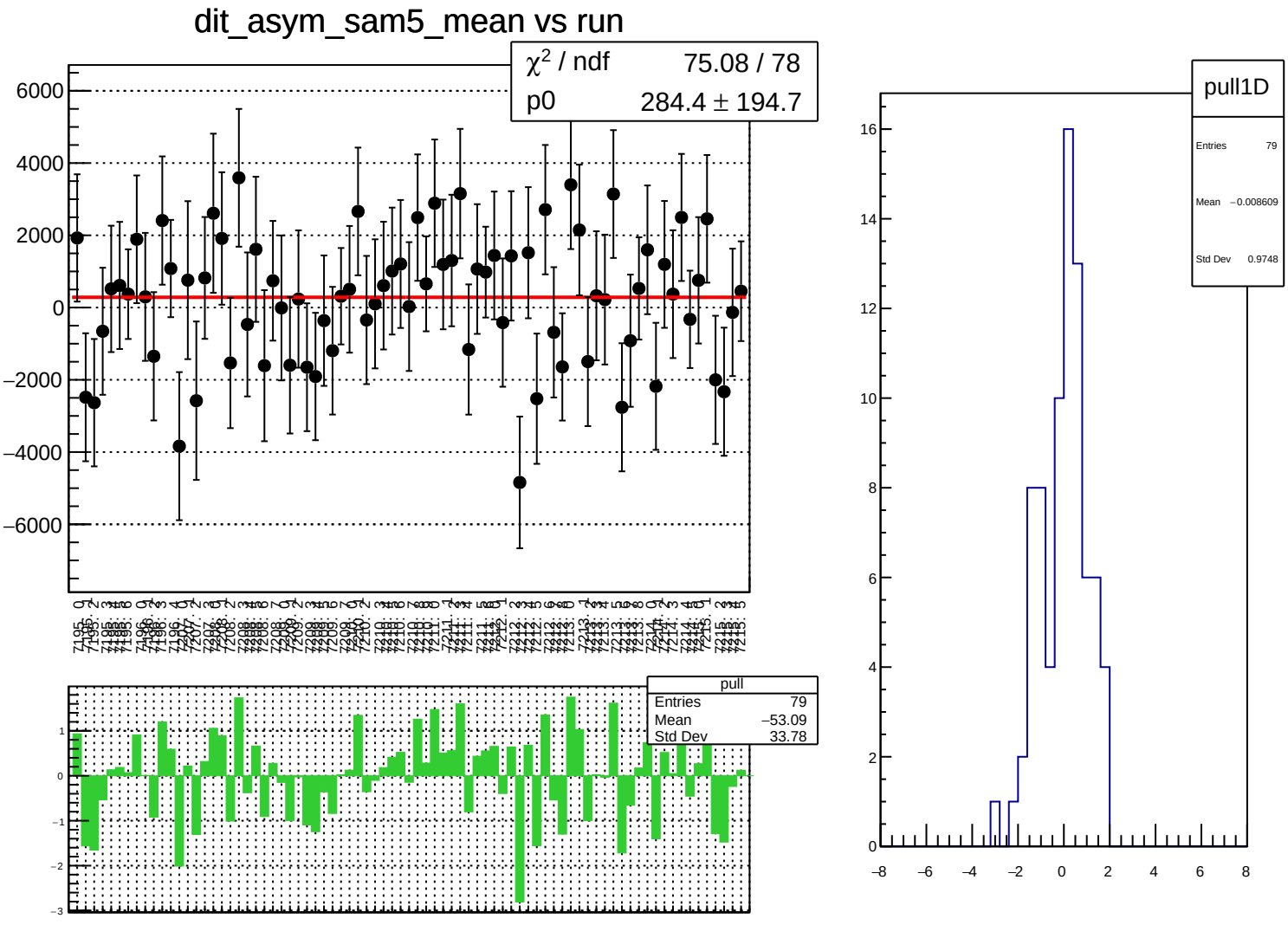

dit_asym_sam4_rms vs run
χ2 / ndf 4.077e+04 / 78
p0 263.8 ± 0.2134
550
500
450
400
350
300
250

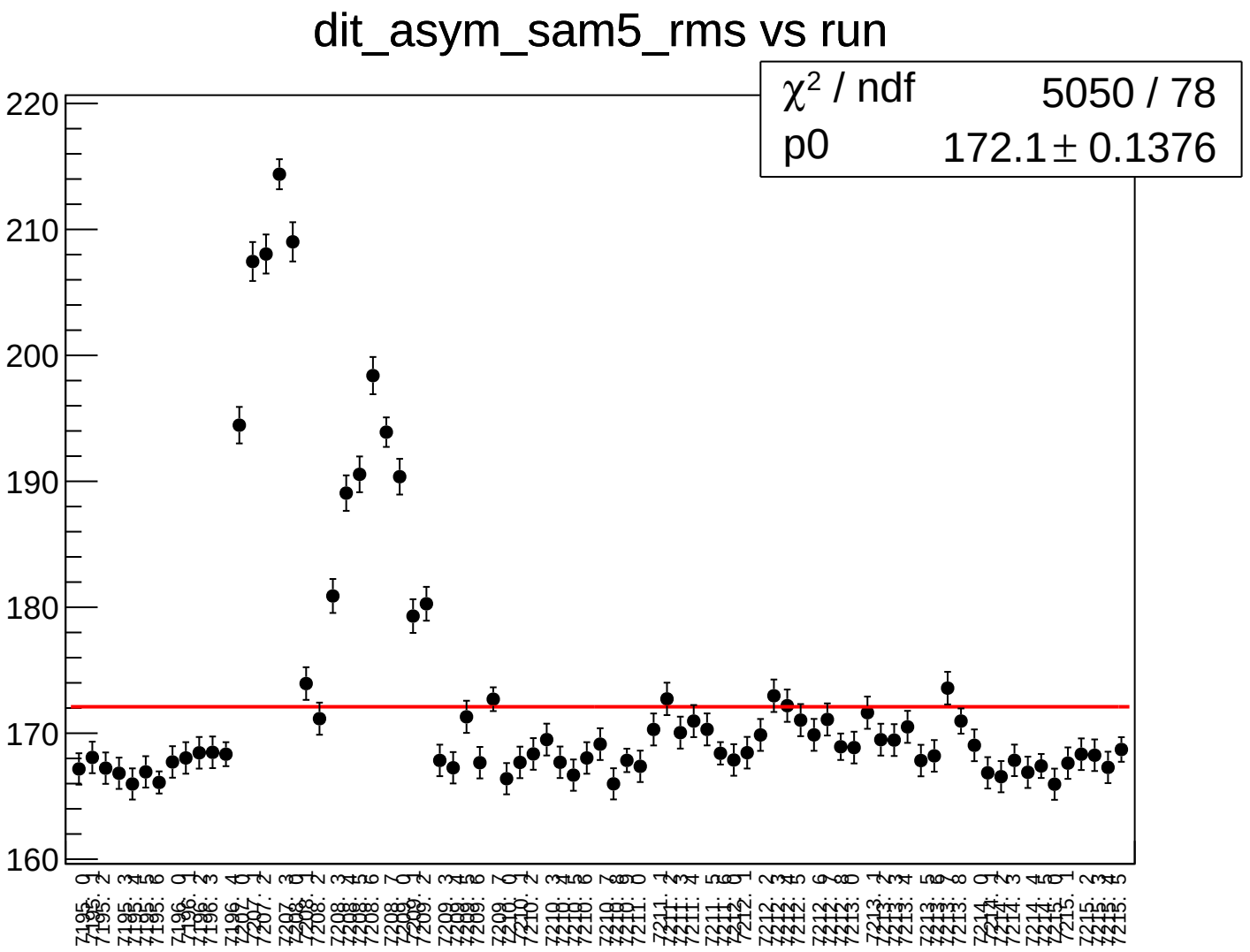

asym_sam4_correction_mean vs run
χ² / ndf 102.5 / 78
p0 5612 ± 2003
pull
Entries 79
Mean 3411
Std Dev 3377
pull1D
Entries 79
Mean 0.001071
Std Dev 1.139

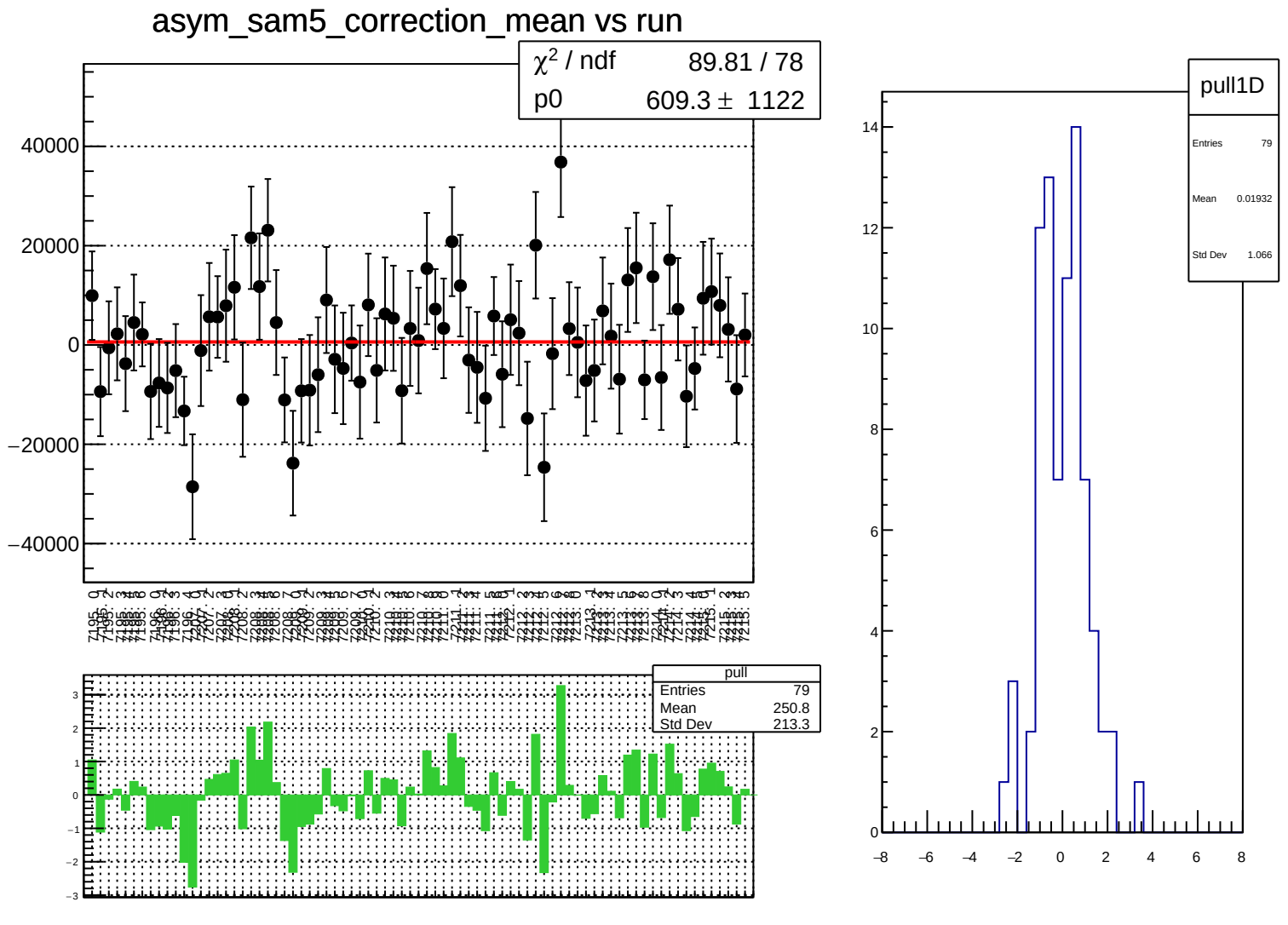

asym_sam4_correction_rms vs run
χ² / ndf 2918 / 78
p0 1772 ± 1.416
2000
1950
1900
1850
1800
1750
1700
1650
1600


asym_sam4_mean vs run
χ² / ndf 100.4 / 78
p0 −4992 ± 1966
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 79
Mean −4327
Std Dev 4361
pull1D
Entries 79
Mean 0.00083
Std Dev 1.127

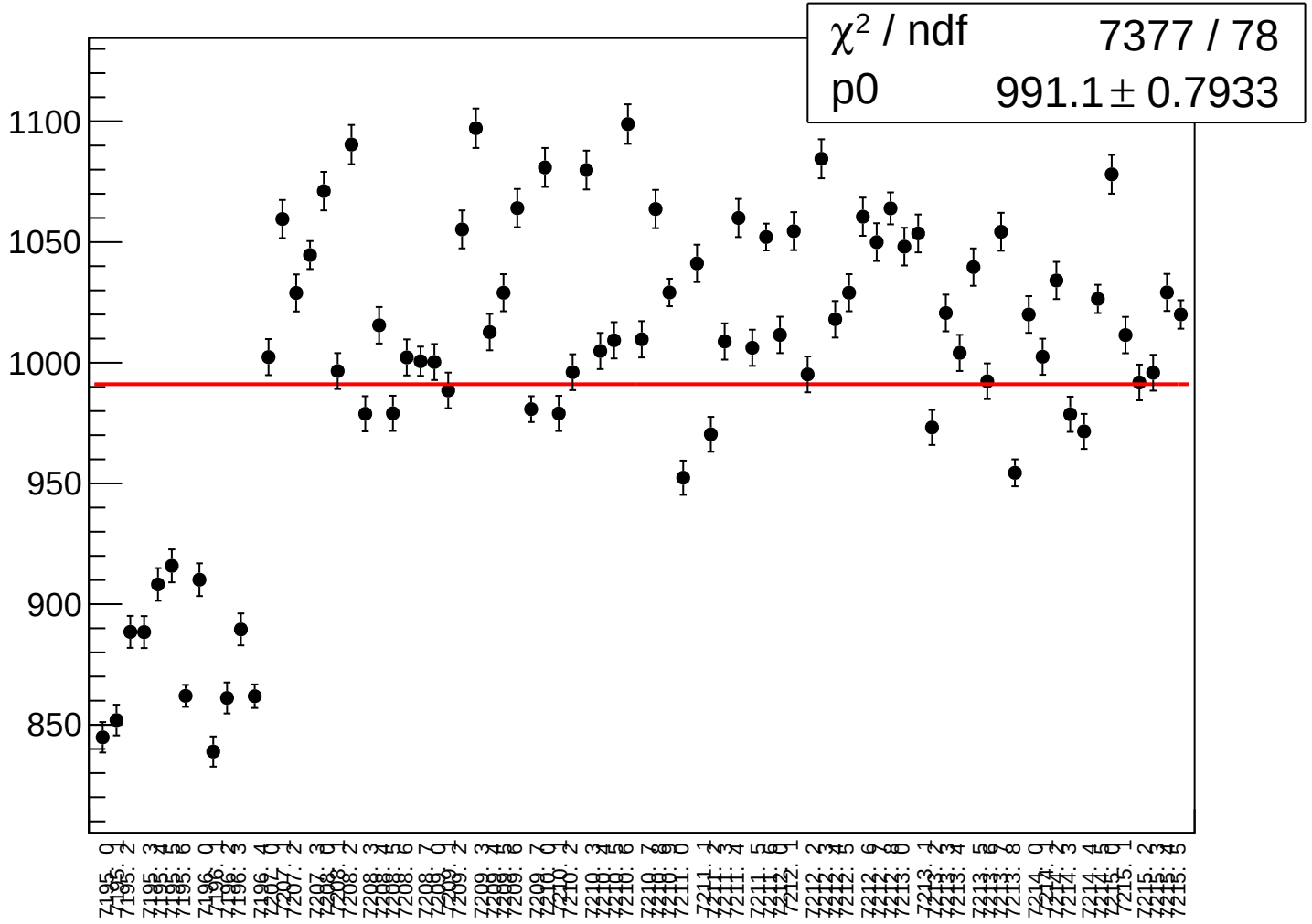

asym_sam4_rms vs run
χ² / ndf 3844 / 78
p0 1739 ± 1.39
2000
1950
1900
1850
1800
1750
1700
1650
1600
1550

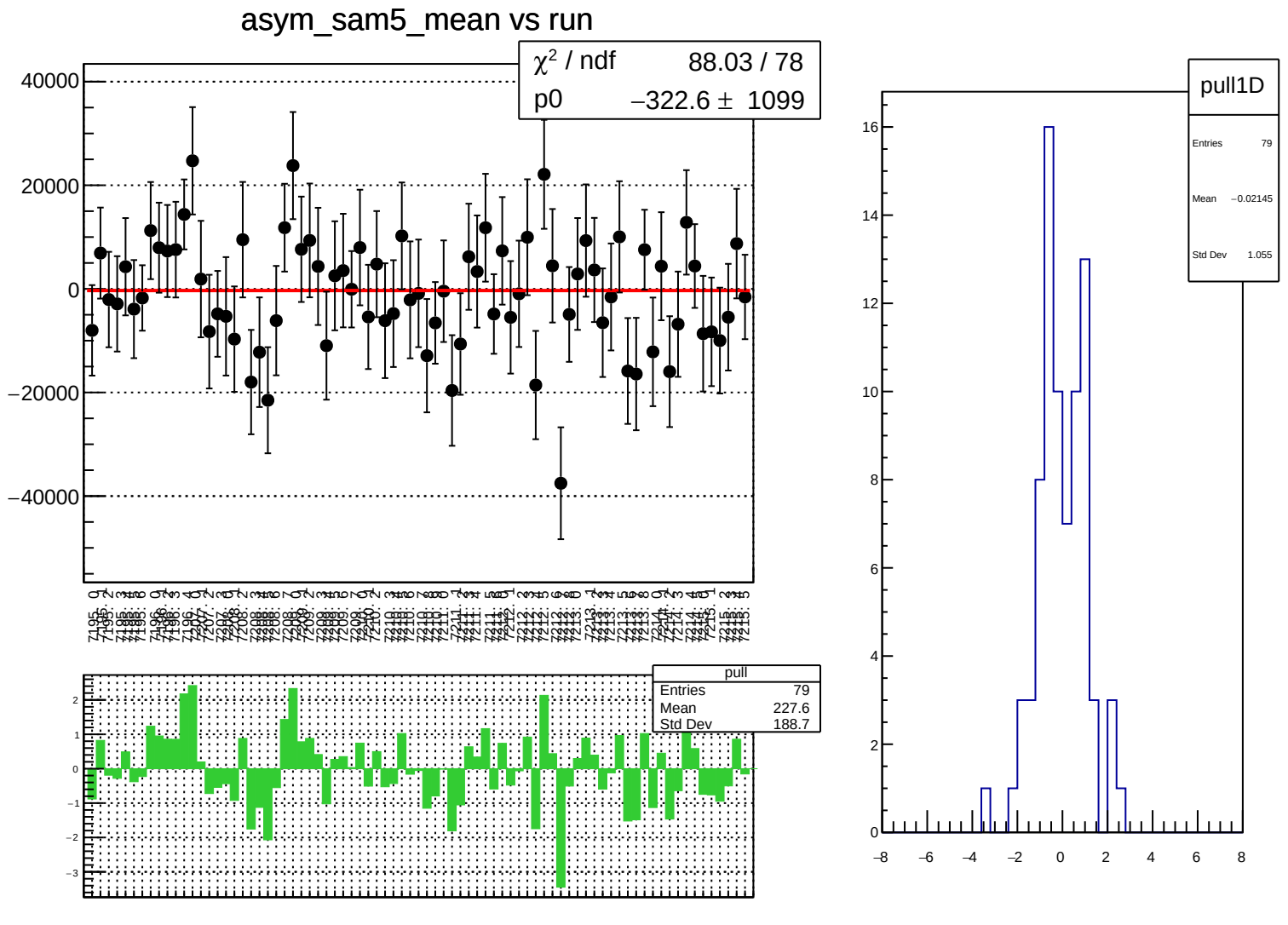

dit_asym_sam5_mean vs run
χ² / ndf 75.08 / 78
p0 284.4 ± 194.7
pull
Entries 79
Mean −53.09
Std Dev 33.78
pull1D
Entries 79
Mean −0.008609
Std Dev 0.9748

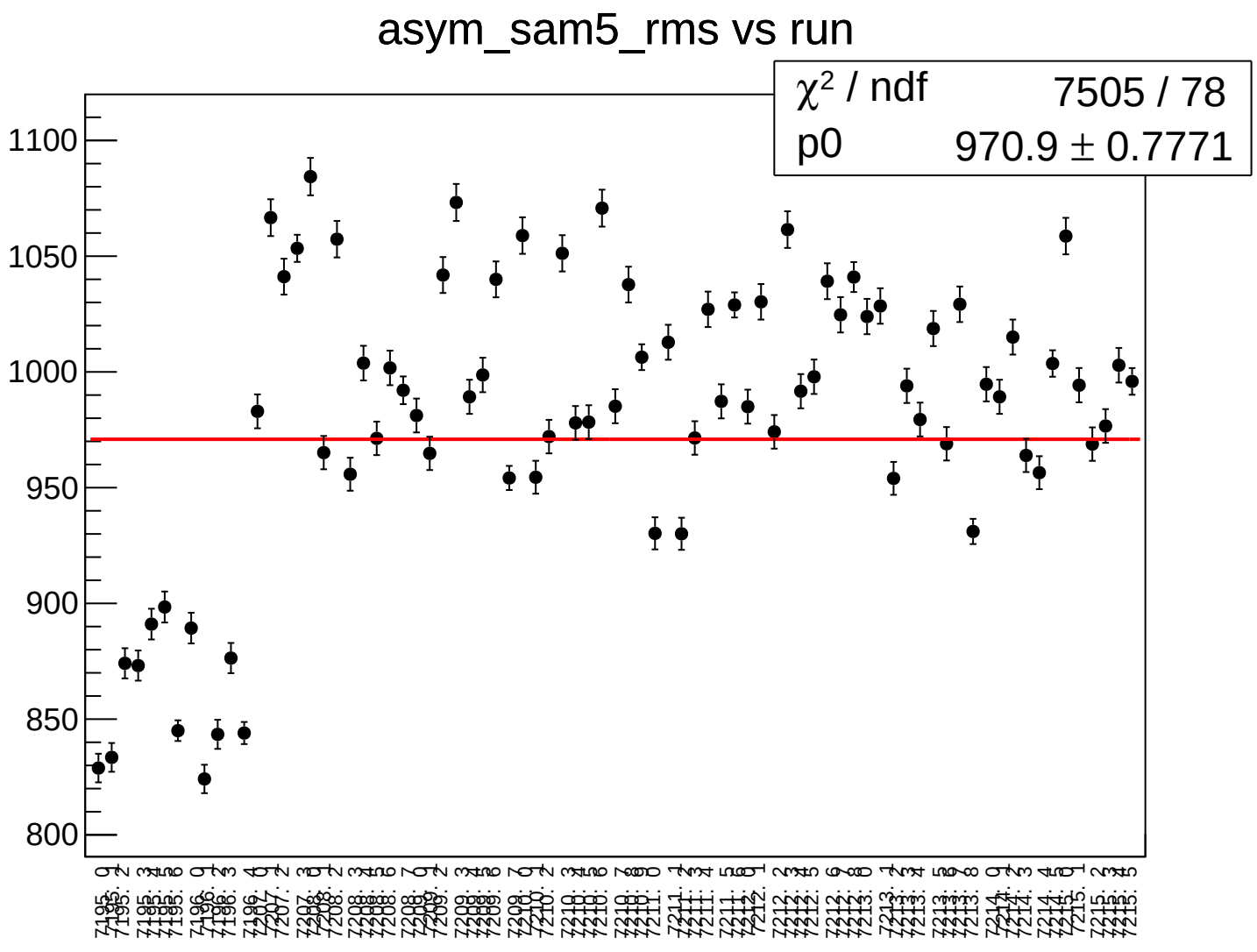

dit_asym_sam5_rms vs run
χ² / ndf 5050 / 78
p0 172.1 ± 0.1376
220
210
200
190
180
170
160

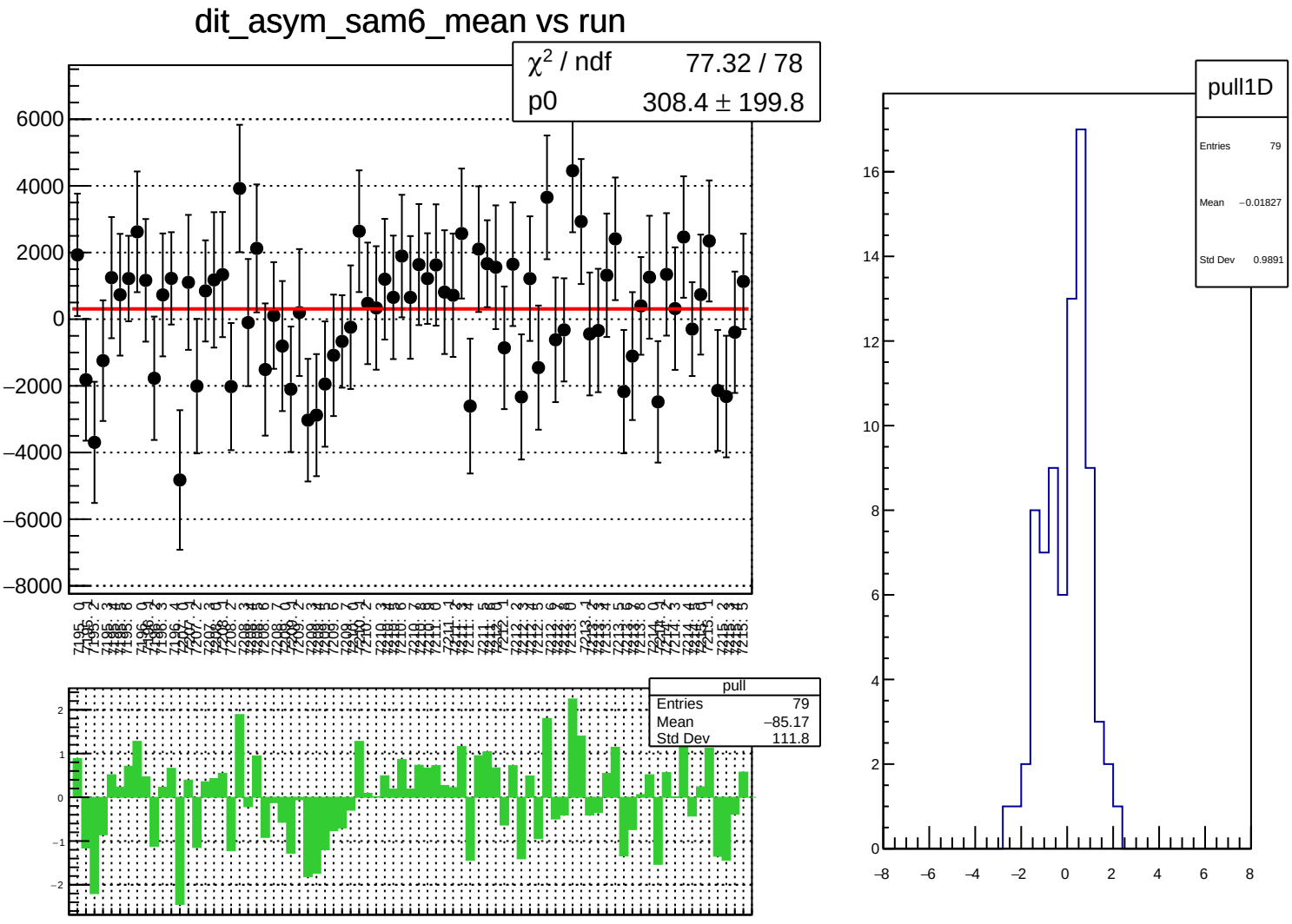

asym_sam5_correction_mean vs run
χ² / ndf 89.81 / 78
p0 609.3 ± 1122
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 250.8
Std Dev 213.3
pull1D
Entries 79
Mean 0.01932
Std Dev 1.066

asym_sam5_correction_rms vs run

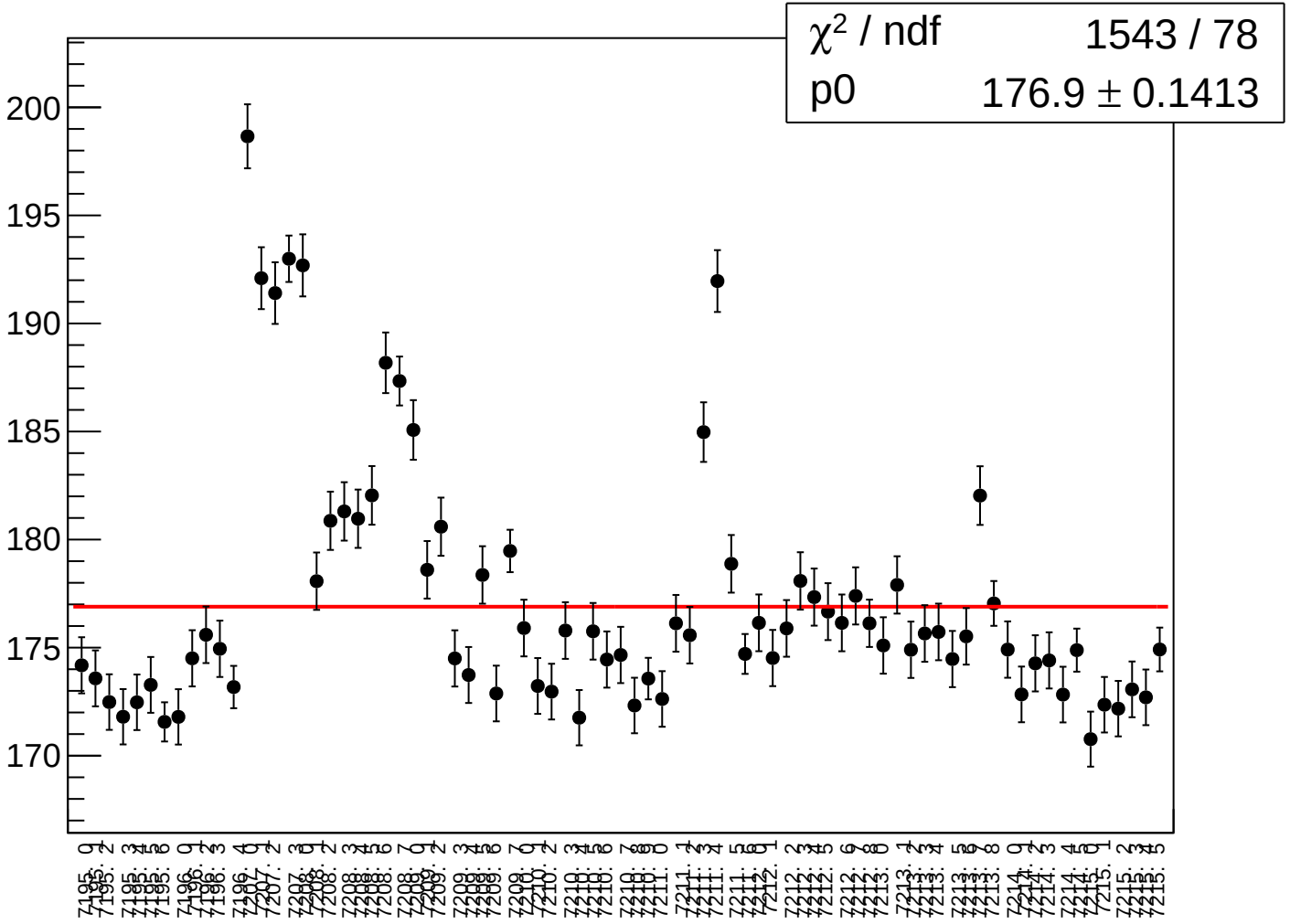


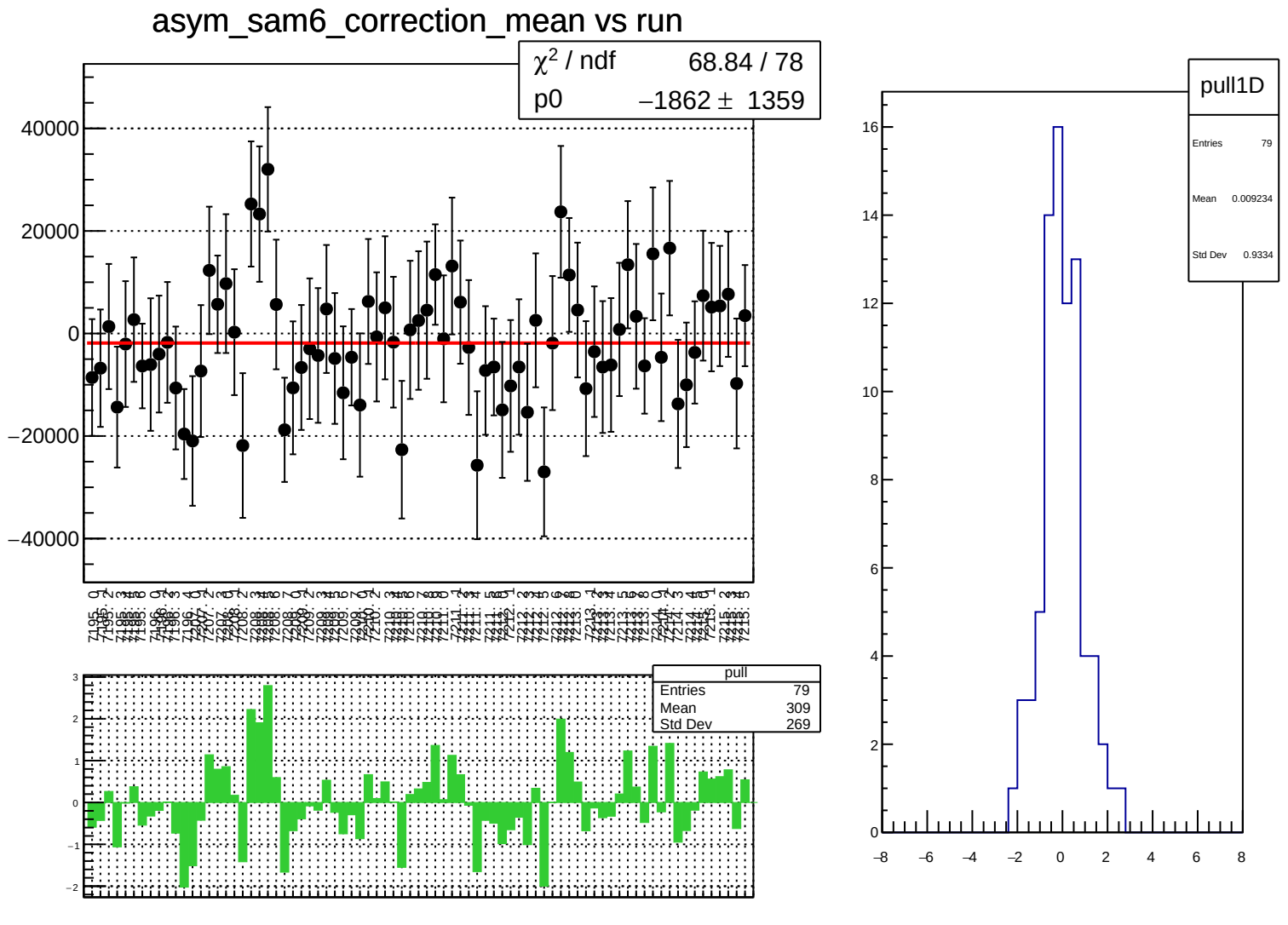

asym_sam5_mean vs run
χ² / ndf 88.03 / 78
p0 −322.6 ± 1099
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 227.6
Std Dev 188.7
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean −0.02145
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_rms vs run
χ² / ndf 7505 / 78
p0 970.9 ± 0.7771
1100
1050
1000
950
900
850
800

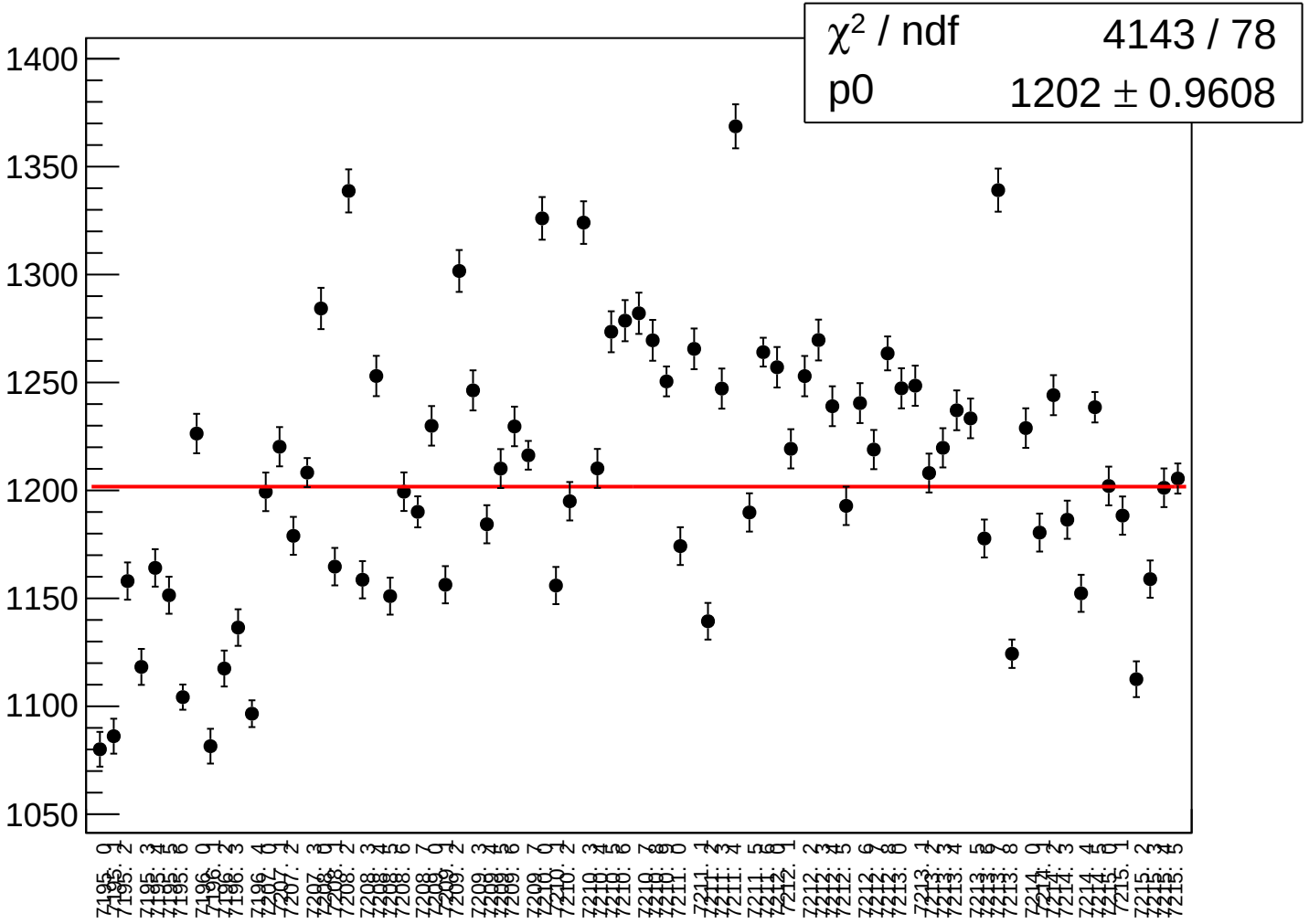

dit_asym_sam6_mean vs run
χ^2 / ndf 77.32 / 78
p0 308.4 ± 199.8
pull
Entries 79
Mean −85.17
Std Dev 111.8
pull1D
Entries 79
Mean −0.01827
Std Dev 0.9891

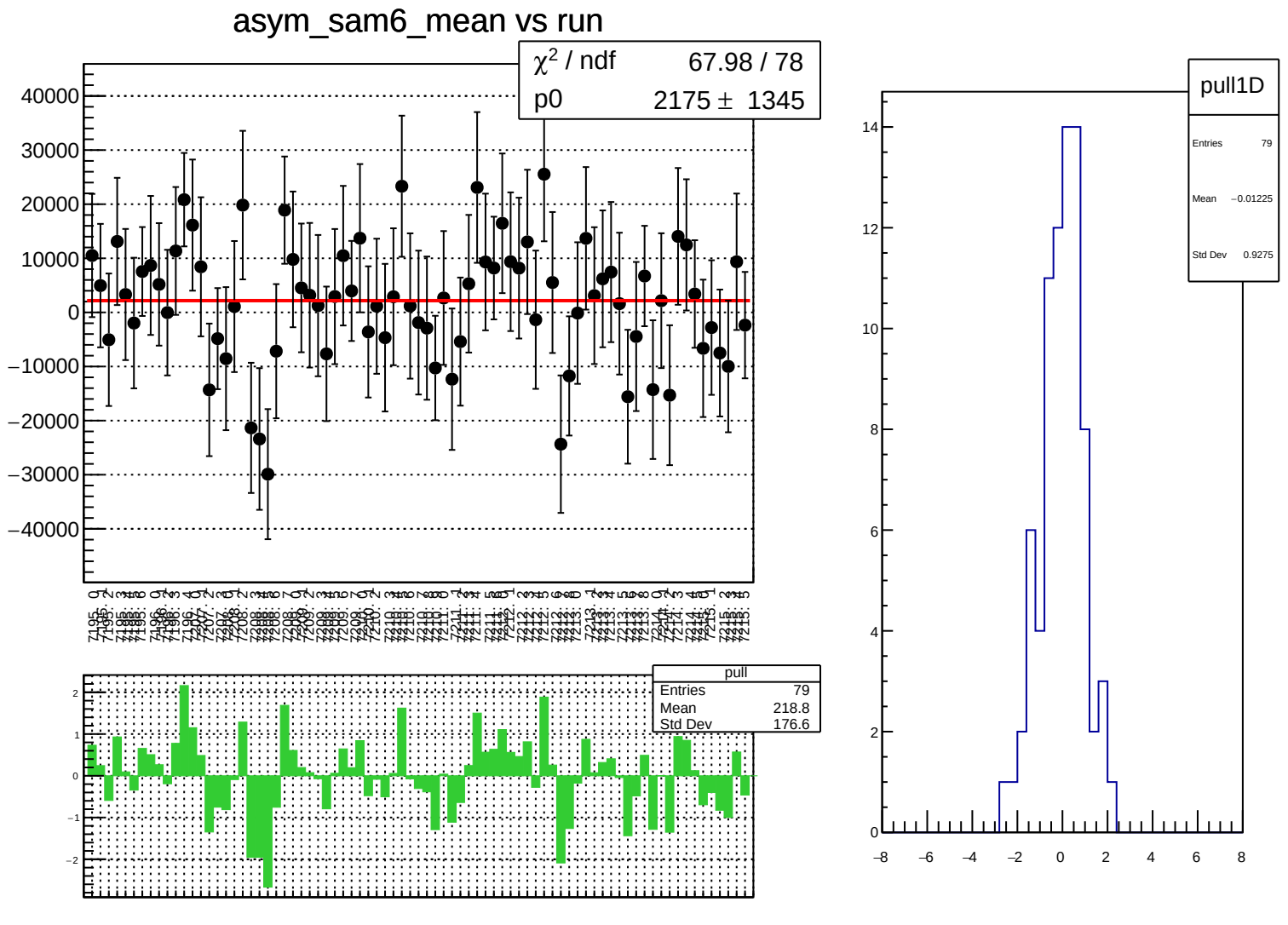
dit_asym_sam6_rms vs run

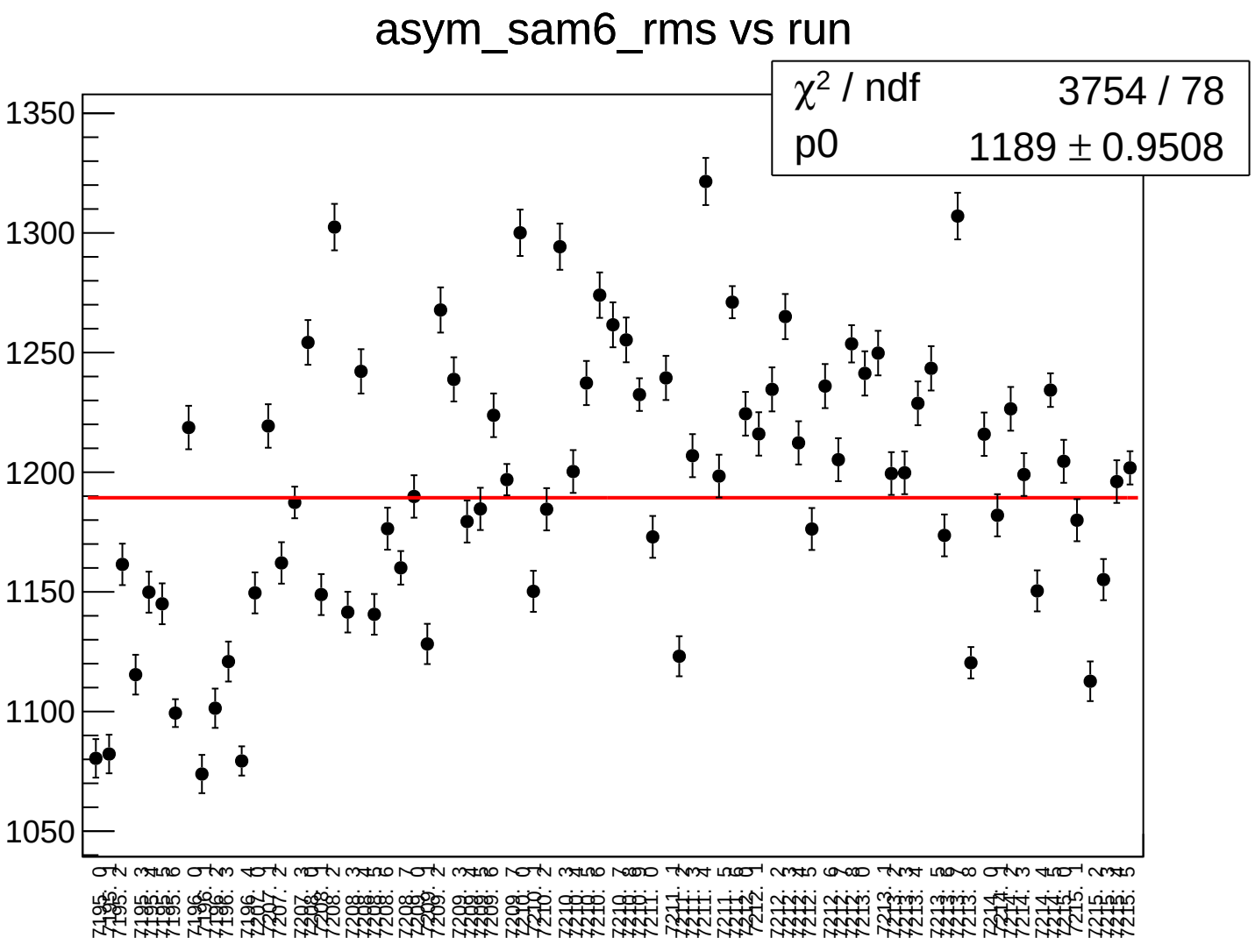


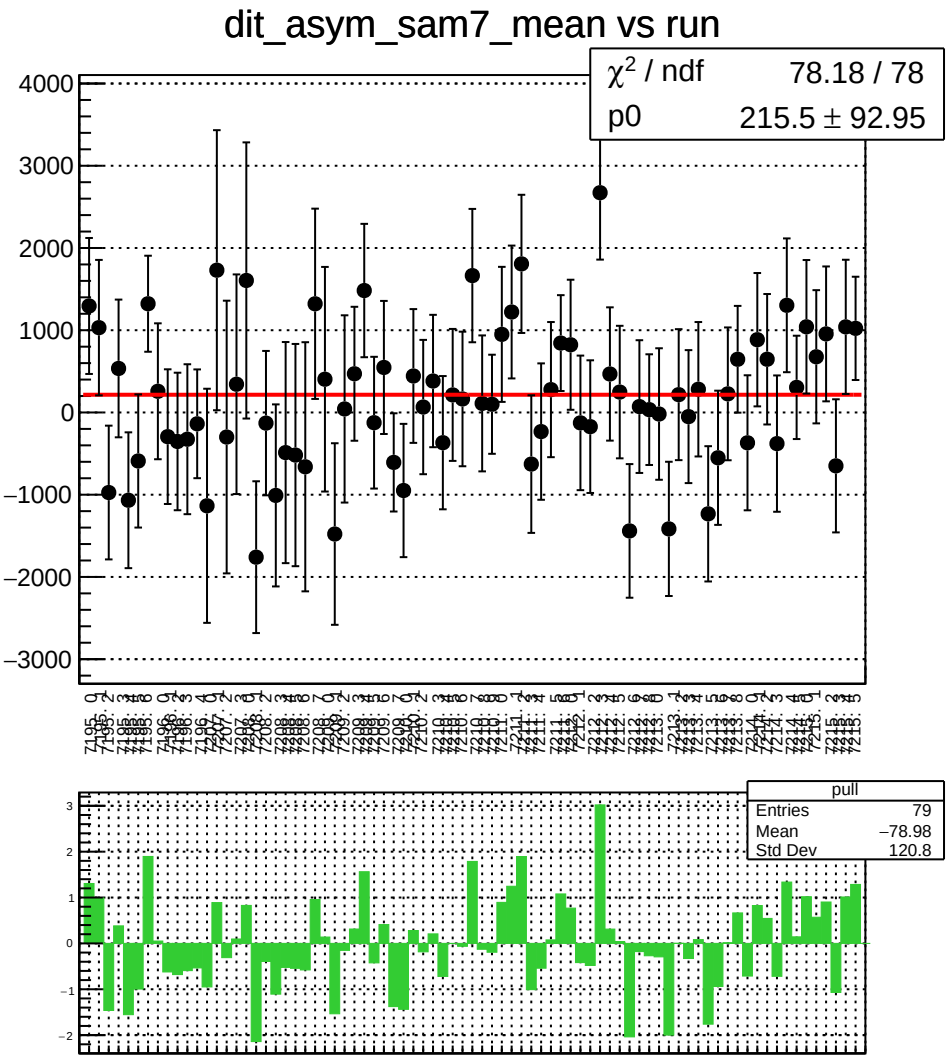

asym_sam6_correction_mean vs run
χ² / ndf 68.84 / 78
p0 −1862 ± 1359
40000
20000
0
−20000
−40000
pull
Entries 79
Mean 309
Std Dev 269
pull1D
Entries 79
Mean 0.009234
Std Dev 0.9334

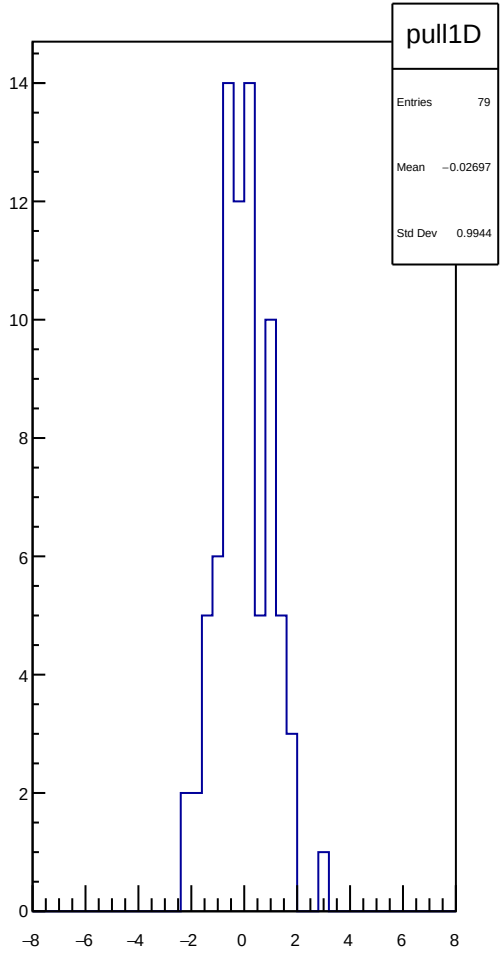
asym_sam6_correction_rms vs run

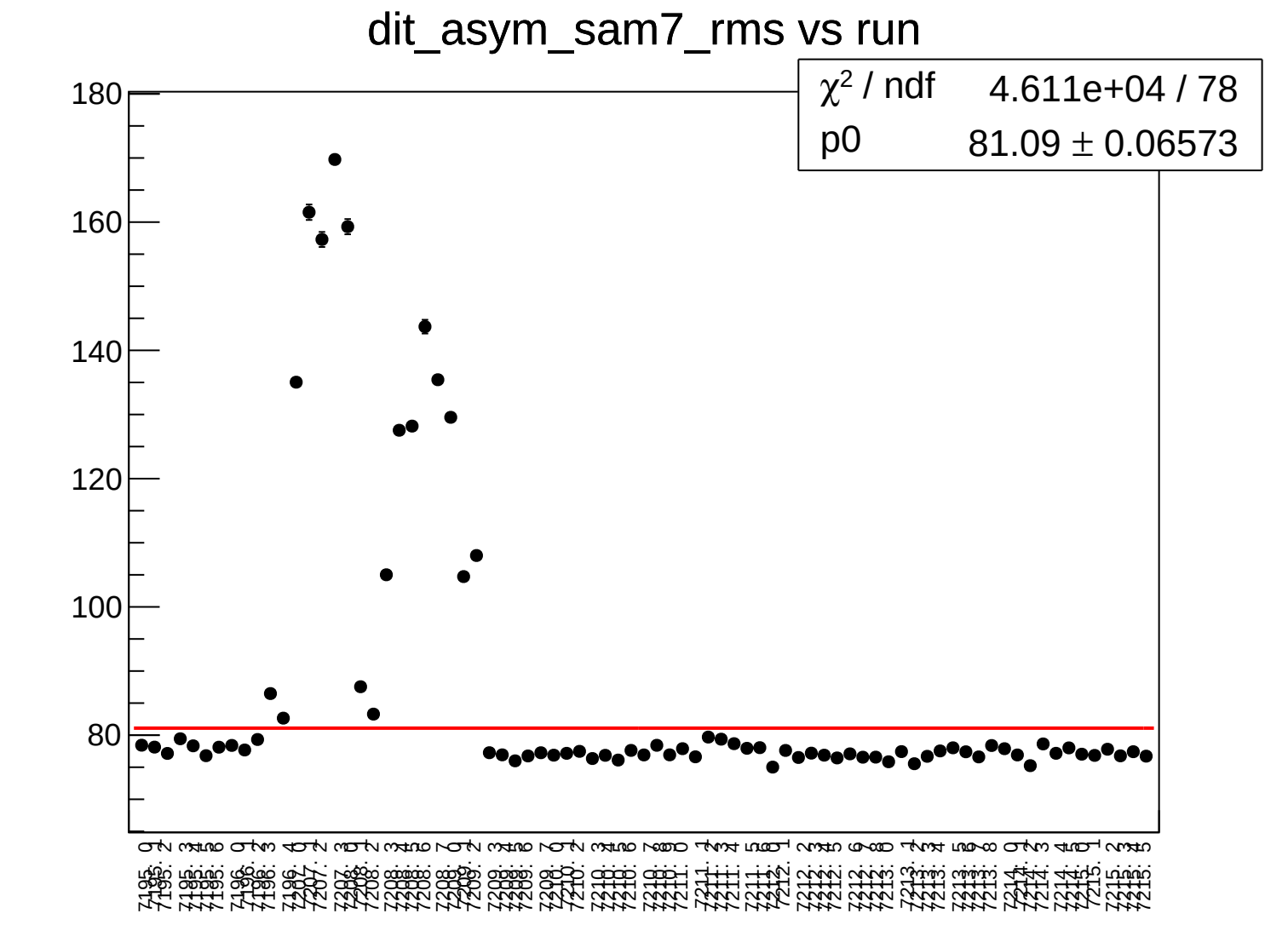


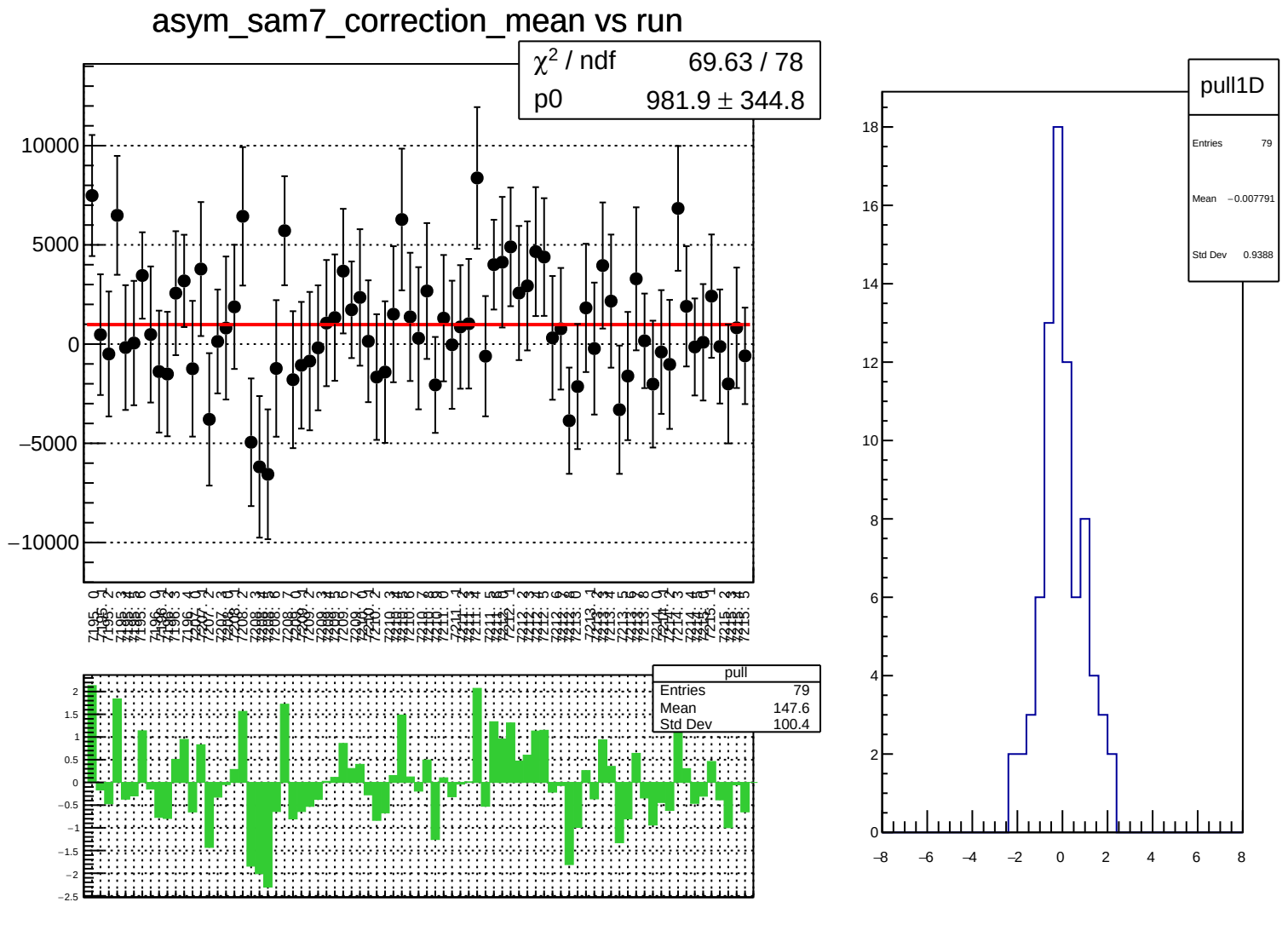

asym_sam6_mean vs run
χ² / ndf 67.98 / 78
p0 2175 ± 1345
pull
Entries 79
Mean 218.8
Std Dev 176.6
pull1D
Entries 79
Mean −0.01225
Std Dev 0.9275


asym_sam6_rms vs run
χ2 / ndf 3754 / 78
p0 1189 ± 0.9508
1350
1300
1250
1200
1150
1100
1050

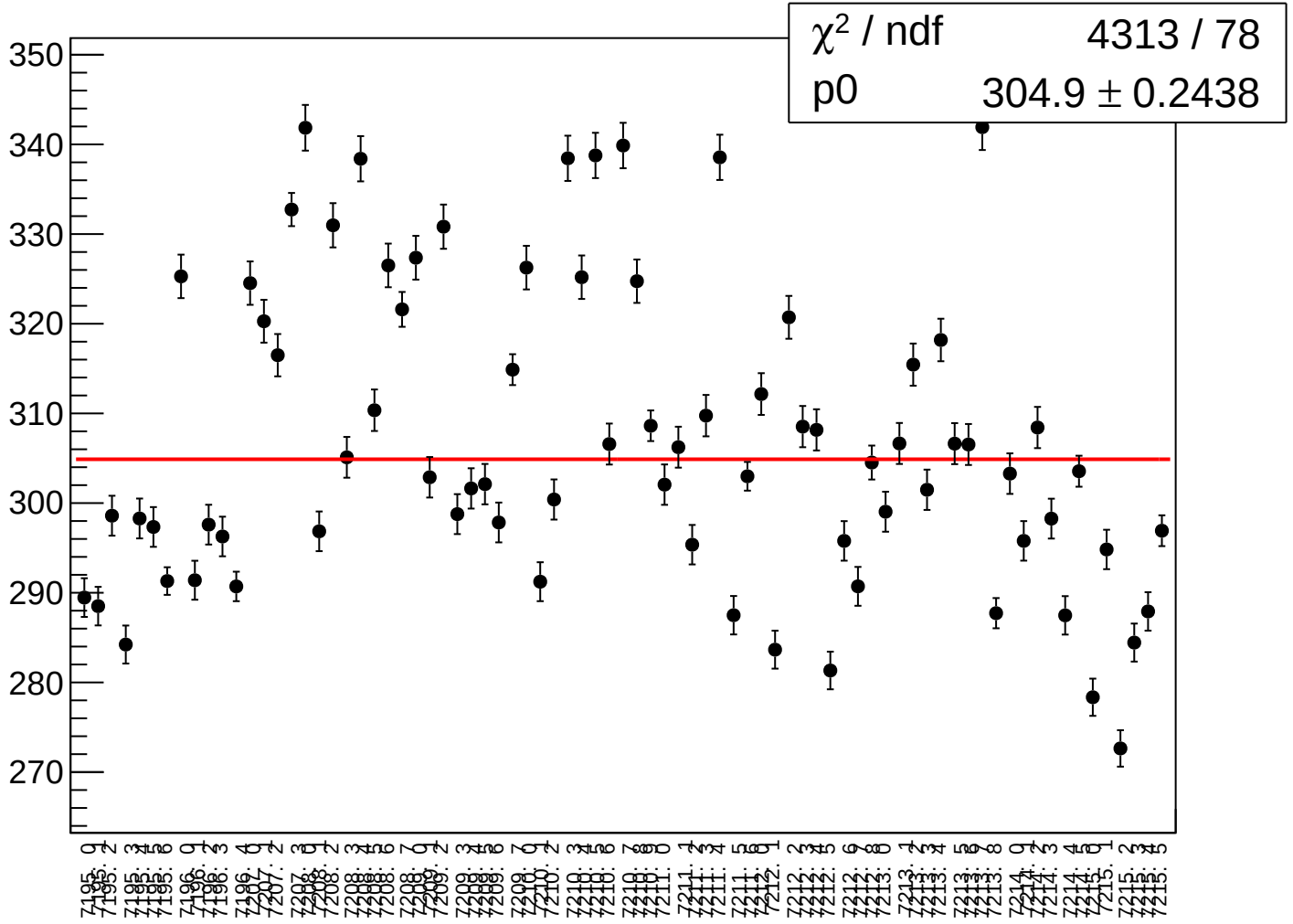

dit_asym_sam7_mean vs run
χ² / ndf 78.18 / 78
p0 215.5 ± 92.95
pull
Entries 79
Mean −78.98
Std Dev 120.8

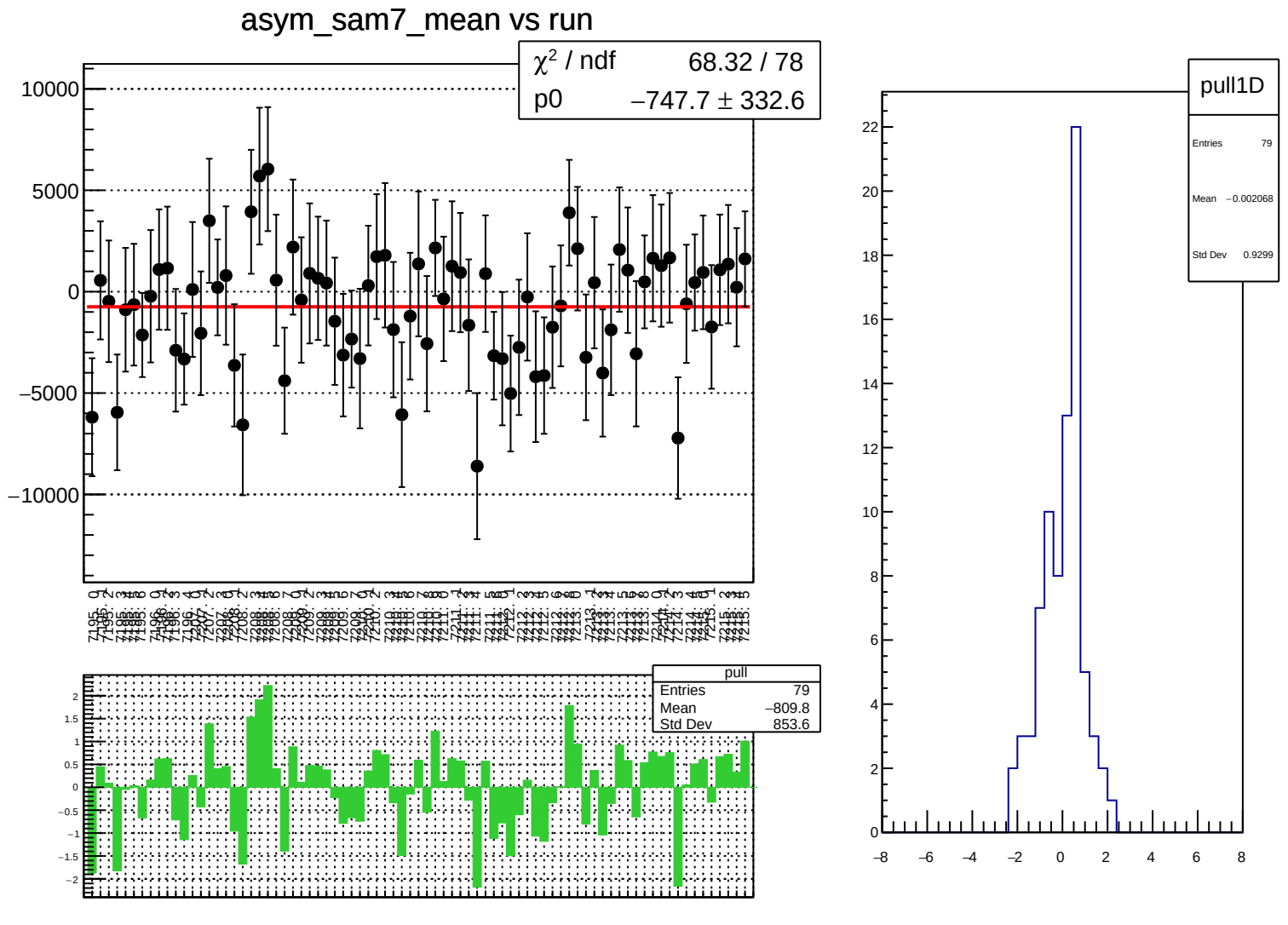

pull1D
Entries 79
Mean −0.02697
Std Dev 0.9944

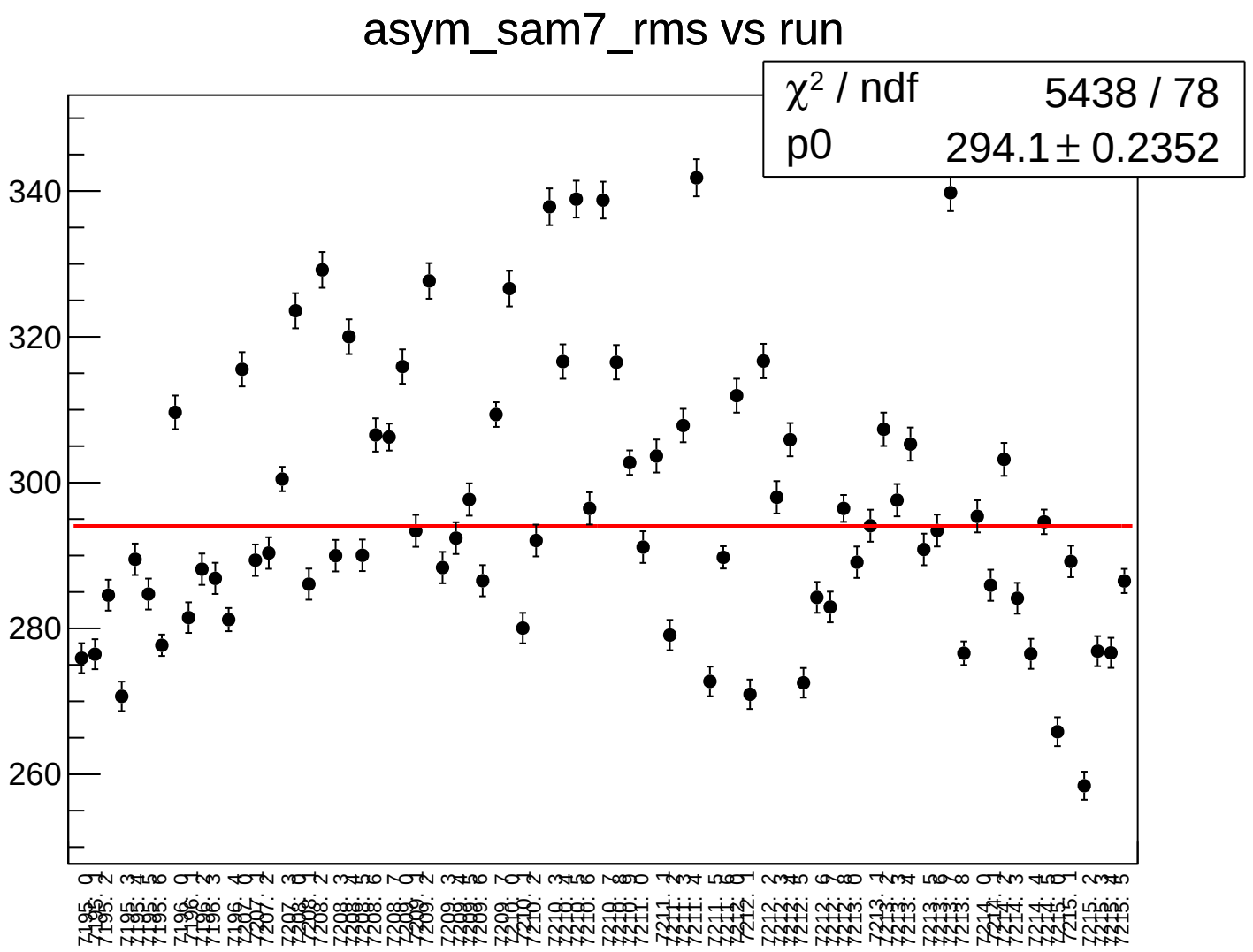

dit_asym_sam7_rms vs run
χ2 / ndf 4.611e+04 / 78
p0 81.09 ± 0.06573
180
160
140
120
100
80

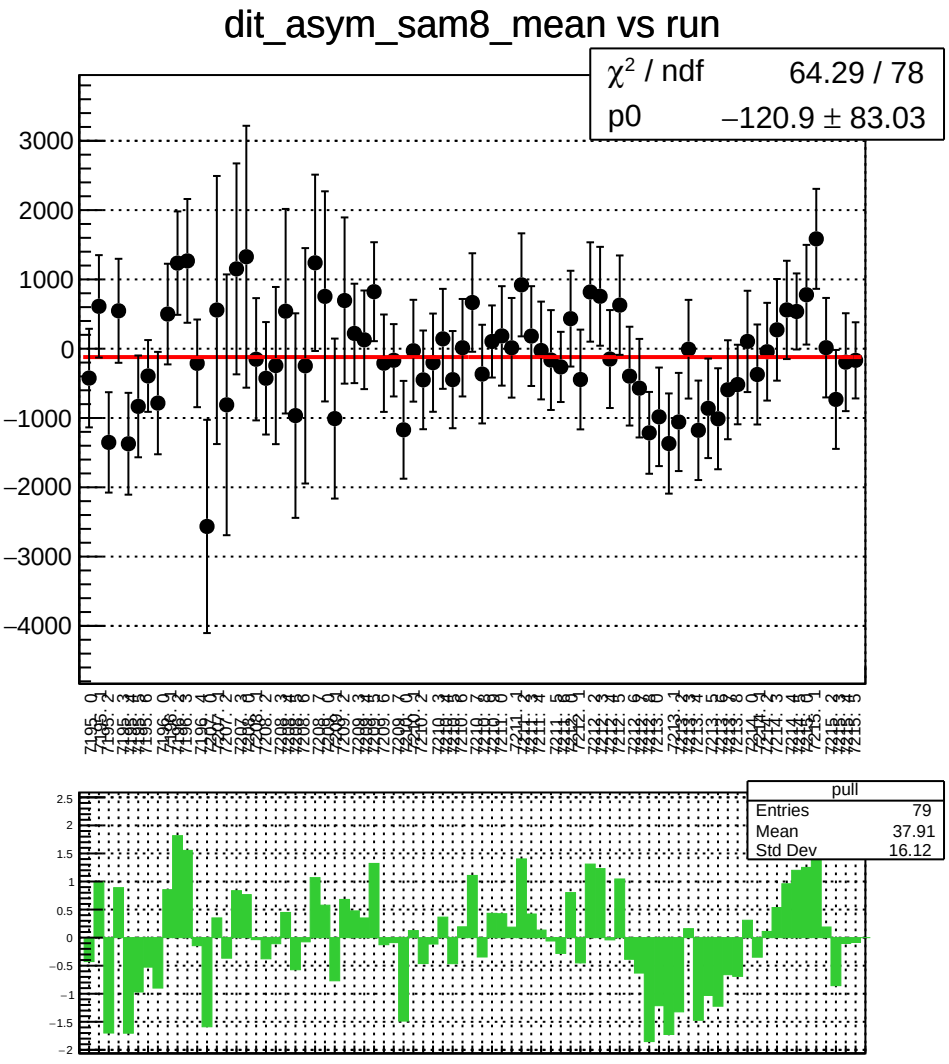

asym_sam7_correction_mean vs run
χ² / ndf 69.63 / 78
p0 981.9 ± 344.8
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 147.6
Std Dev 100.4
pull1D
Entries 79
Mean −0.007791
Std Dev 0.9388

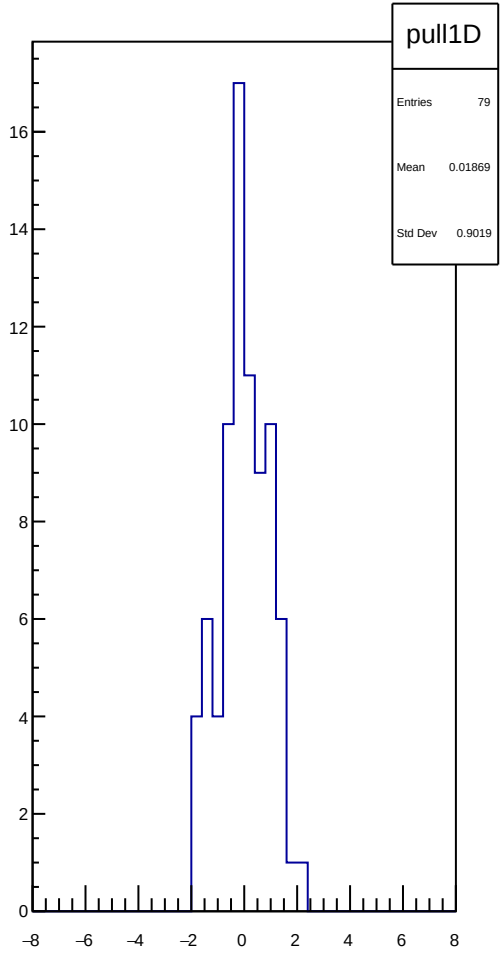
asym_sam7_correction_rms vs run

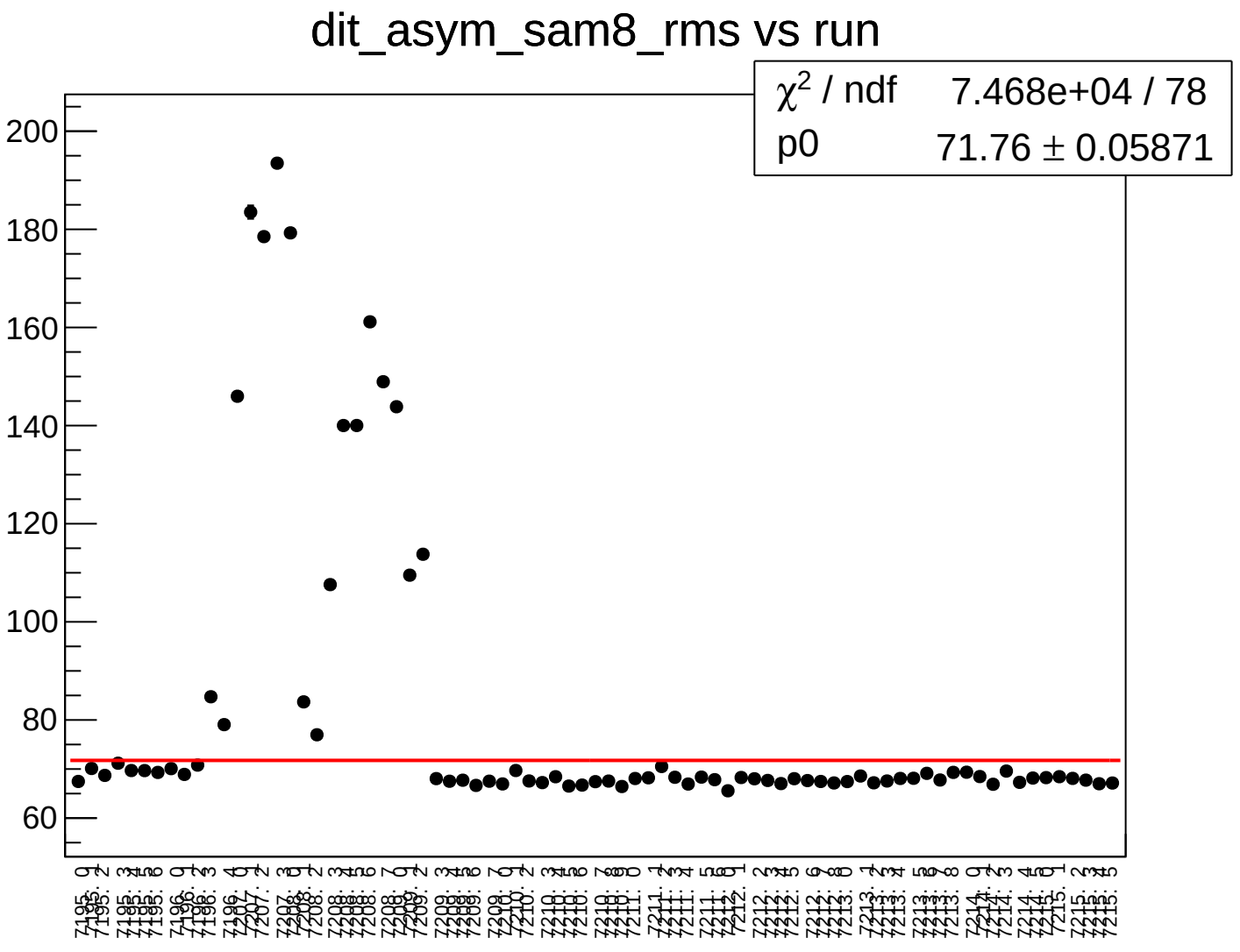


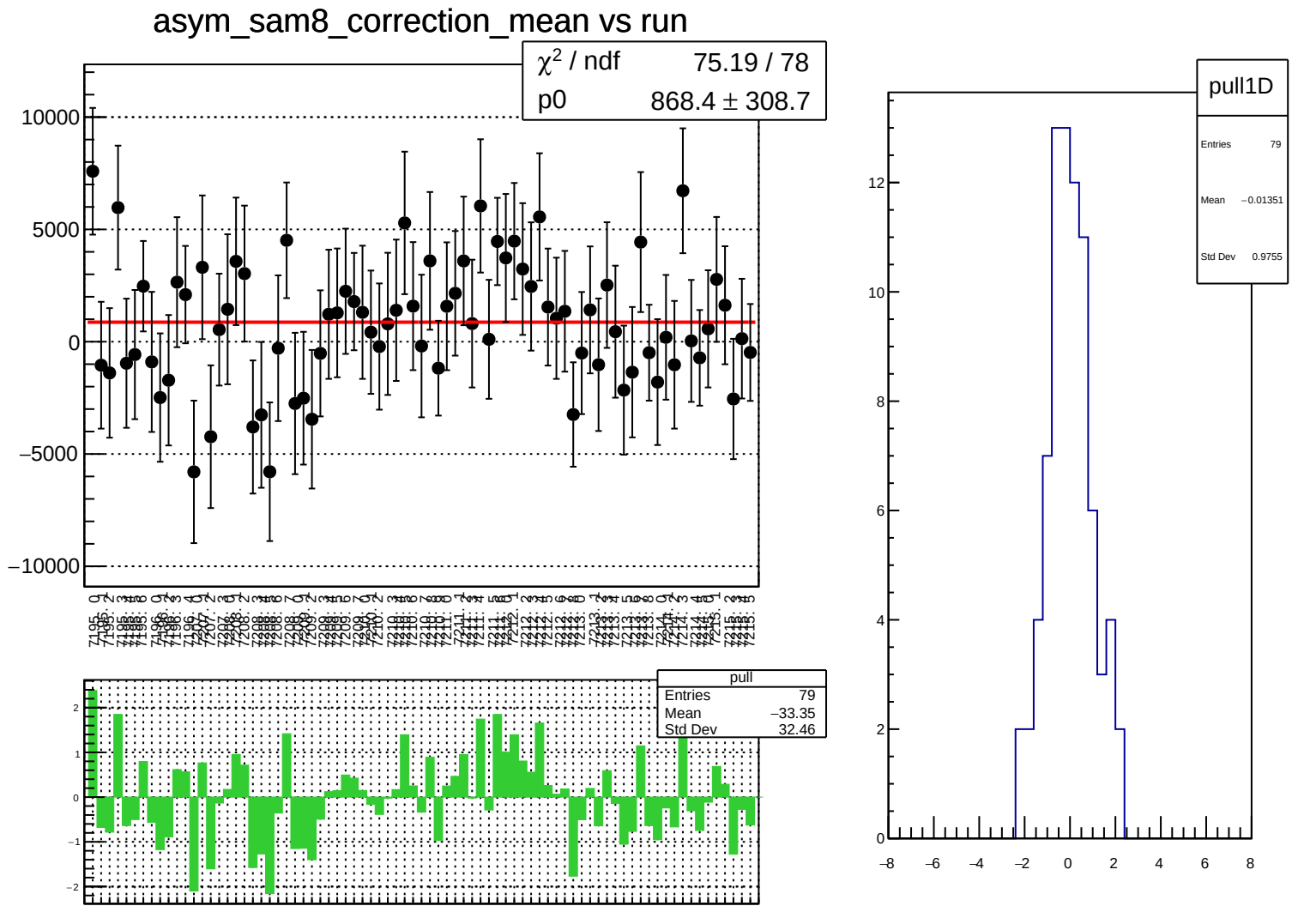

asym_sam7_mean vs run
χ² / ndf 68.32 / 78
p0 −747.7 ± 332.6
10000
5000
0
−5000
−10000
pull
Entries 79
Mean −809.8
Std Dev 853.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 79
Mean −0.002068
Std Dev 0.9299
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_rms vs run
χ² / ndf 5438 / 78
p0 294.1 ± 0.2352
340
320
300
280
260

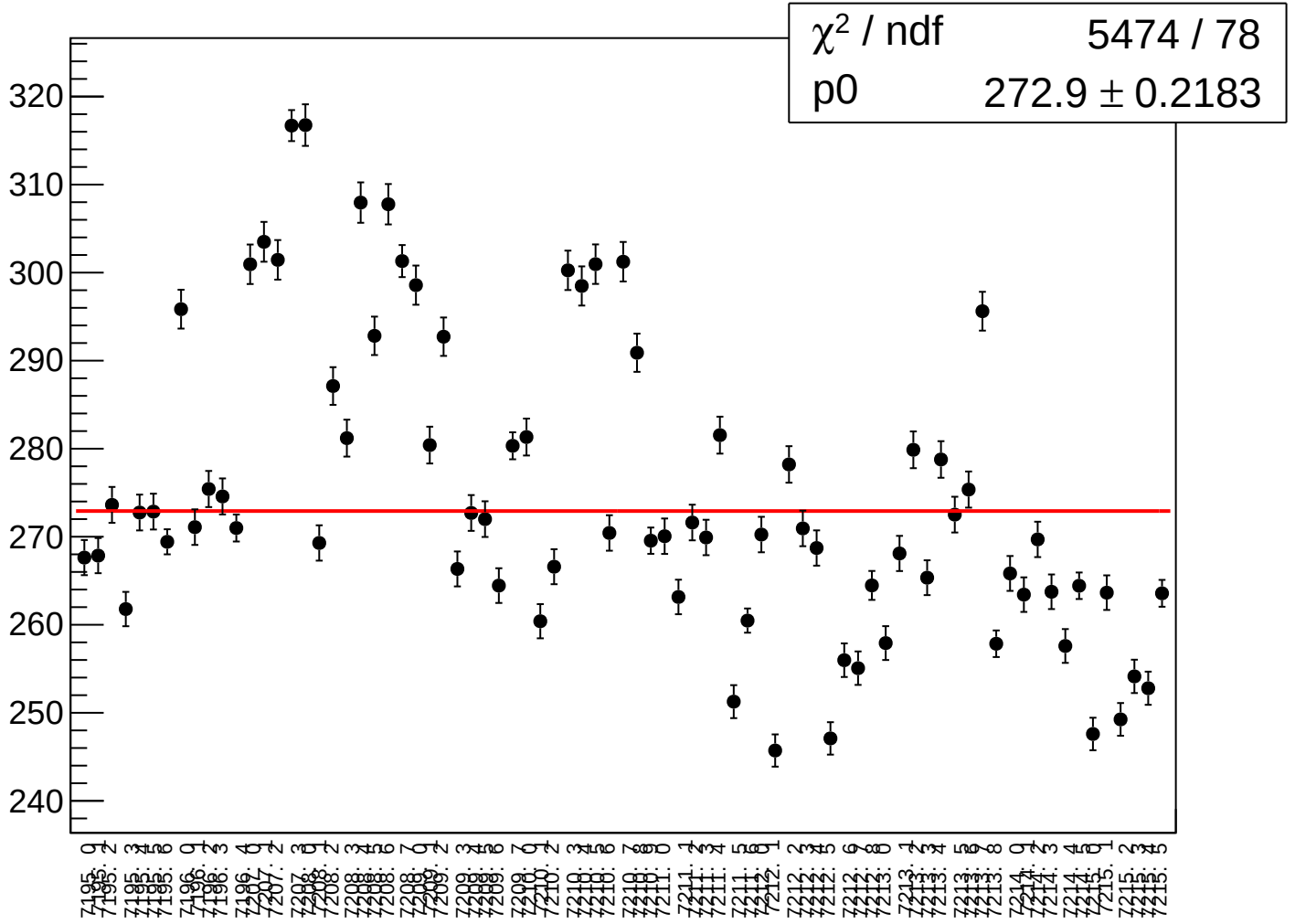

dit_asym_sam8_mean vs run
χ² / ndf 64.29 / 78
p0 −120.9 ± 83.03
pull
Entries 79
Mean 37.91
Std Dev 16.12

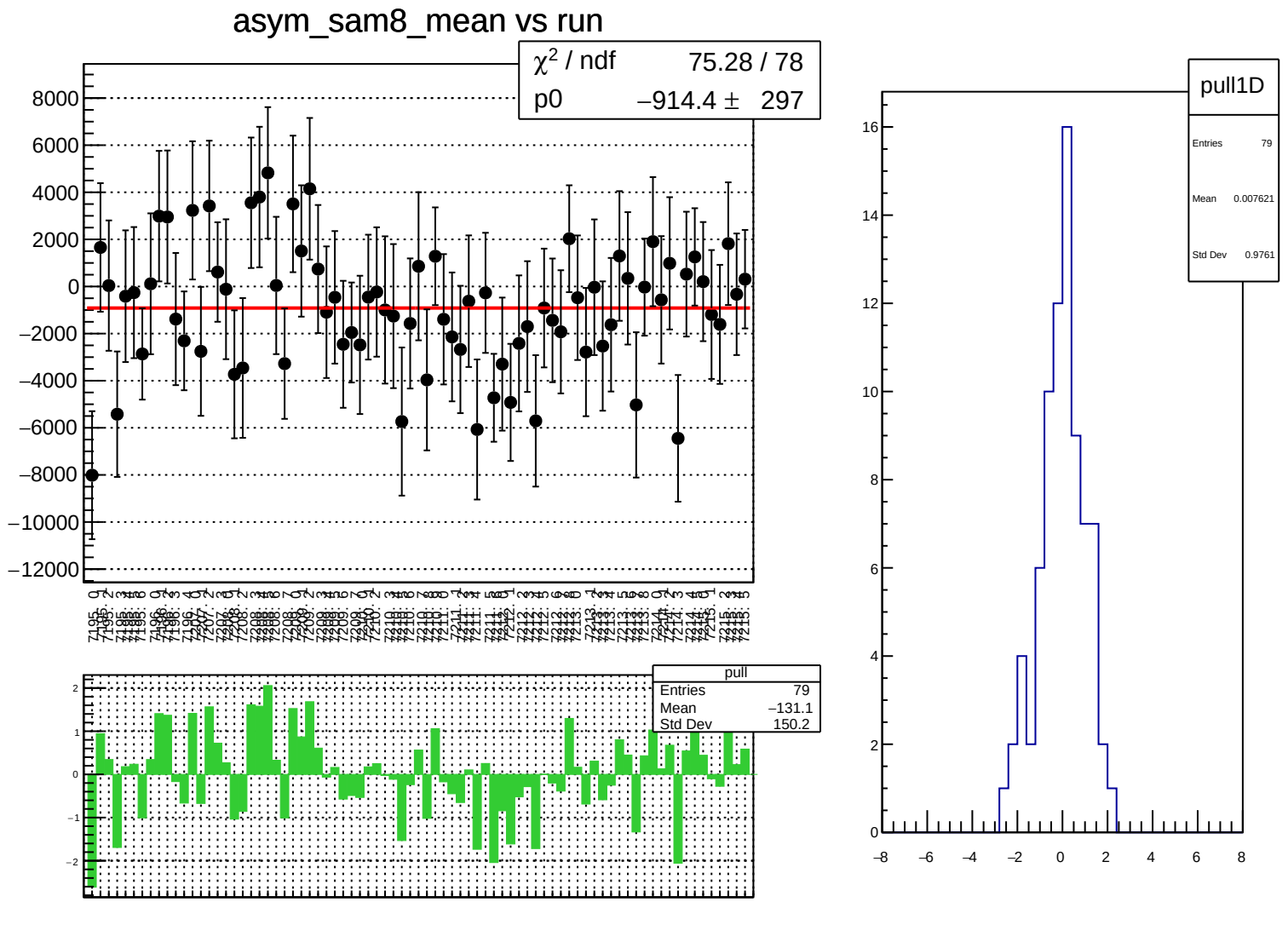

pull1D
Entries 79
Mean 0.01869
Std Dev 0.9019

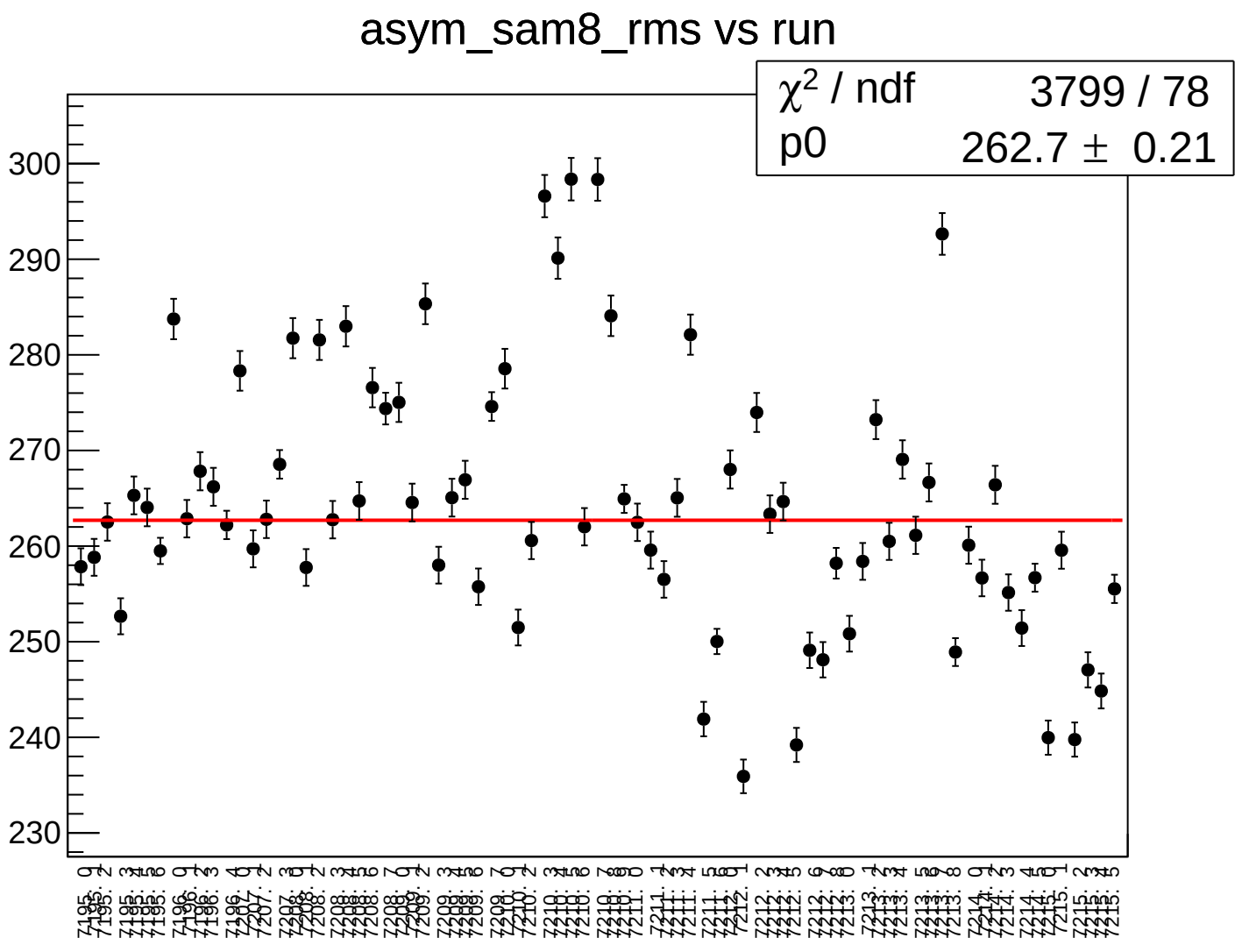

dit_asym_sam8_rms vs run
χ^2 / ndf 7.468e+04 / 78
p0 71.76 ± 0.05871
200
180
160
140
120
100
80
60

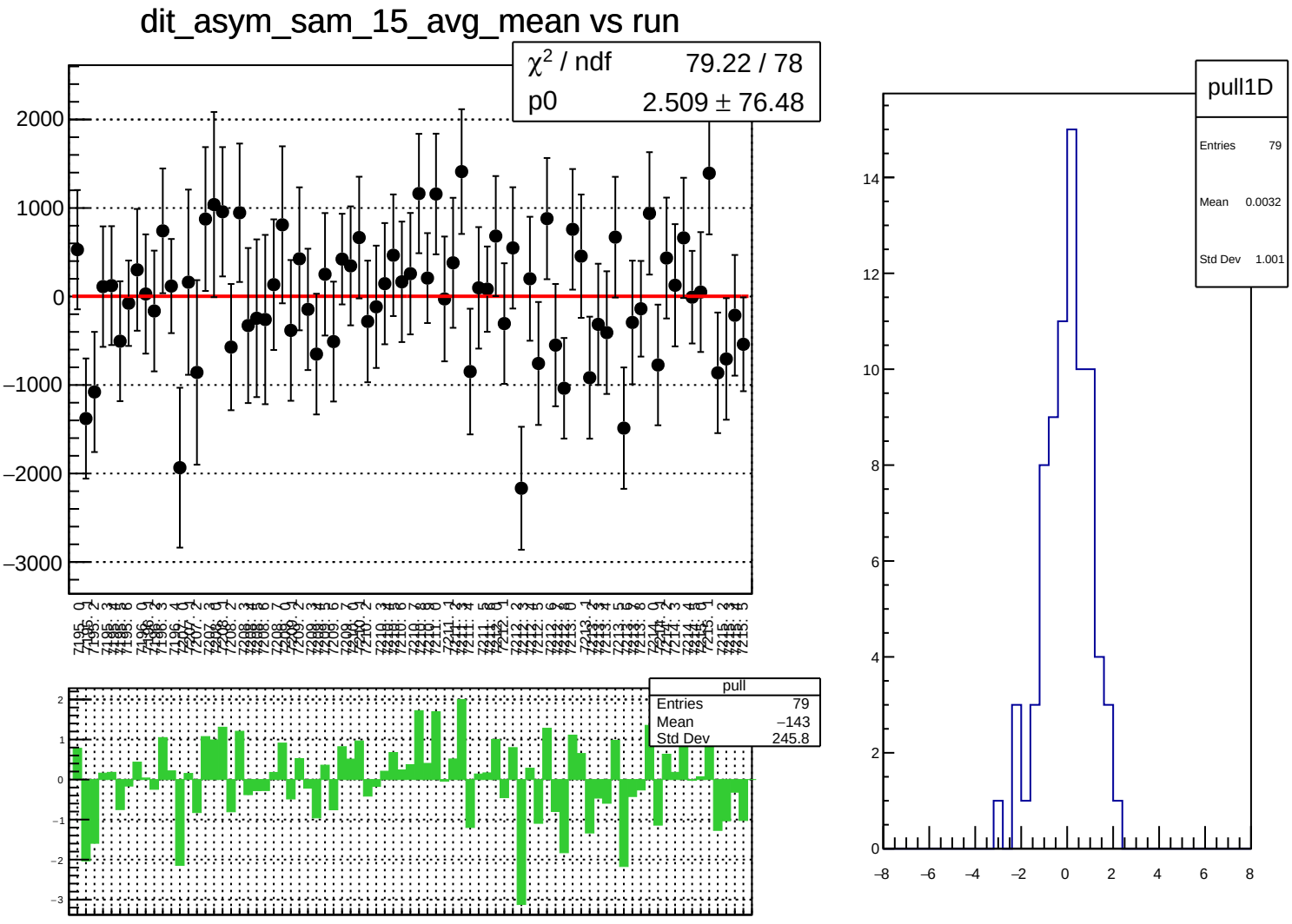

asym_sam8_correction_mean vs run
χ² / ndf 75.19 / 78
p0 868.4 ± 308.7
pull
Entries 79
Mean −33.35
Std Dev 32.46
pull1D
Entries 79
Mean −0.01351
Std Dev 0.9755

asym_sam8_correction_rms vs run

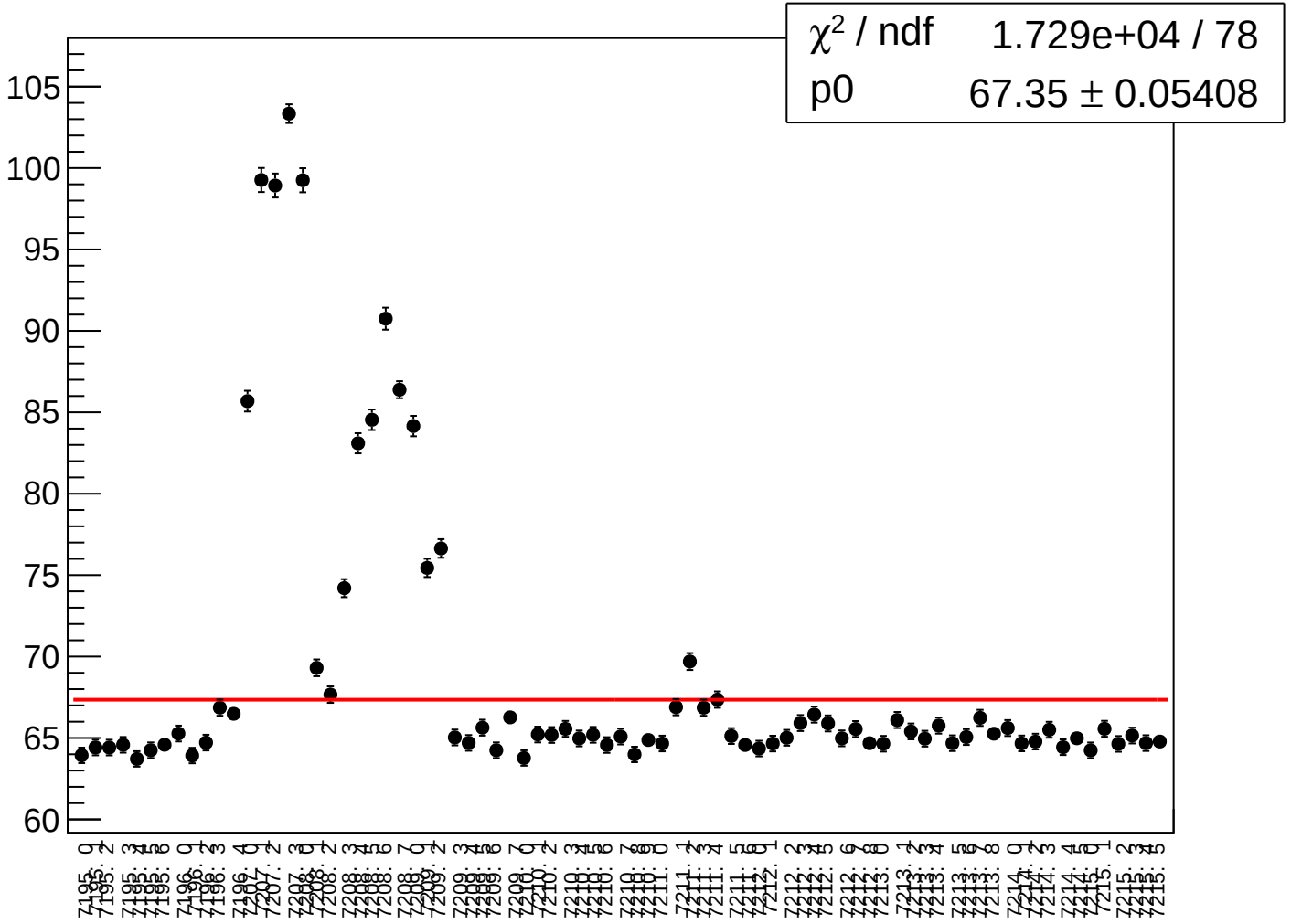


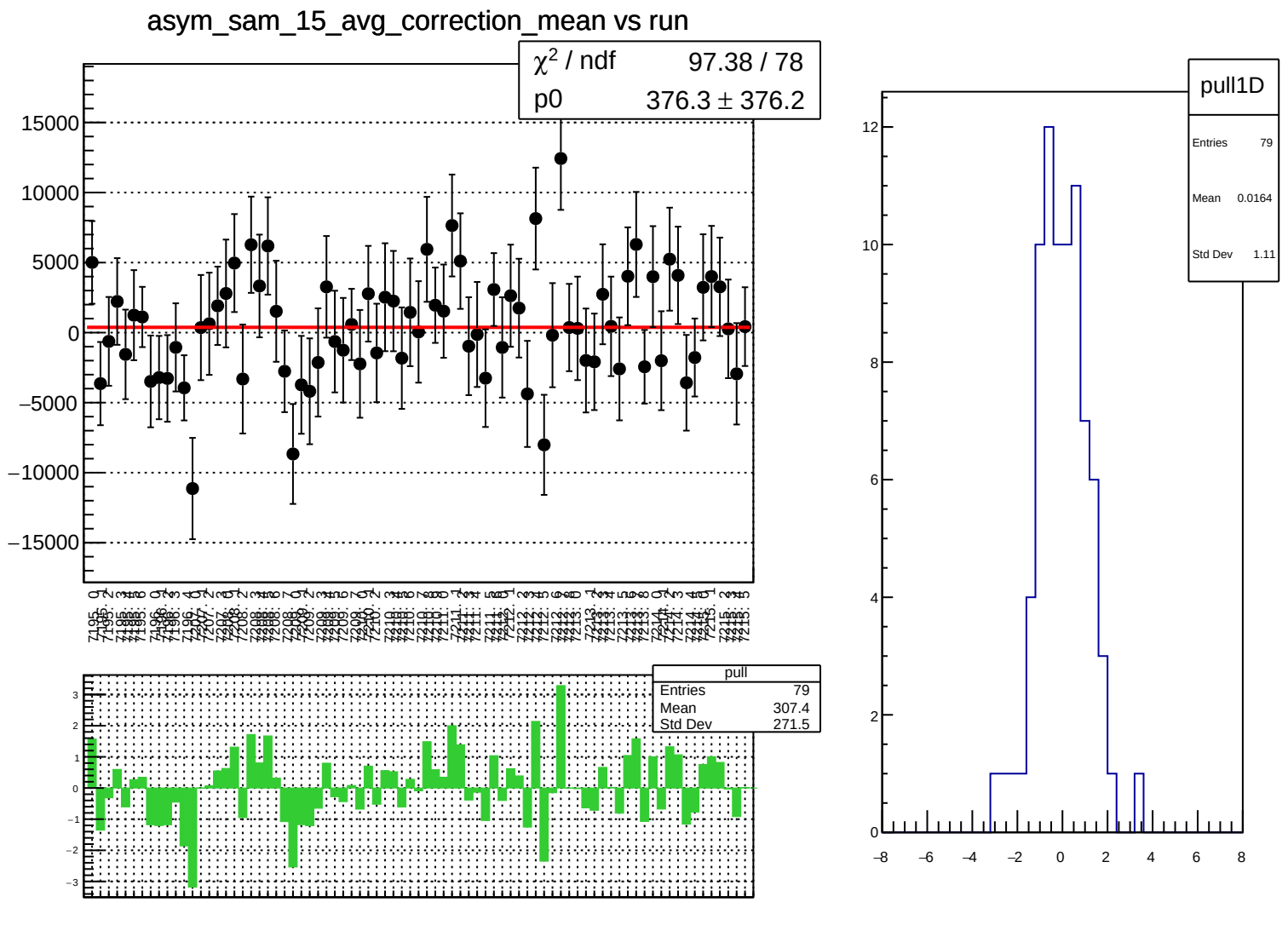

asym_sam8_mean vs run
χ² / ndf 75.28 / 78
p0 −914.4 ± 297
pull
Entries 79
Mean −131.1
Std Dev 150.2
pull1D
Entries 79
Mean 0.007621
Std Dev 0.9761


asym_sam8_rms vs run
χ2 / ndf 3799 / 78
p0 262.7 ± 0.21
300
290
280
270
260
250
240
230

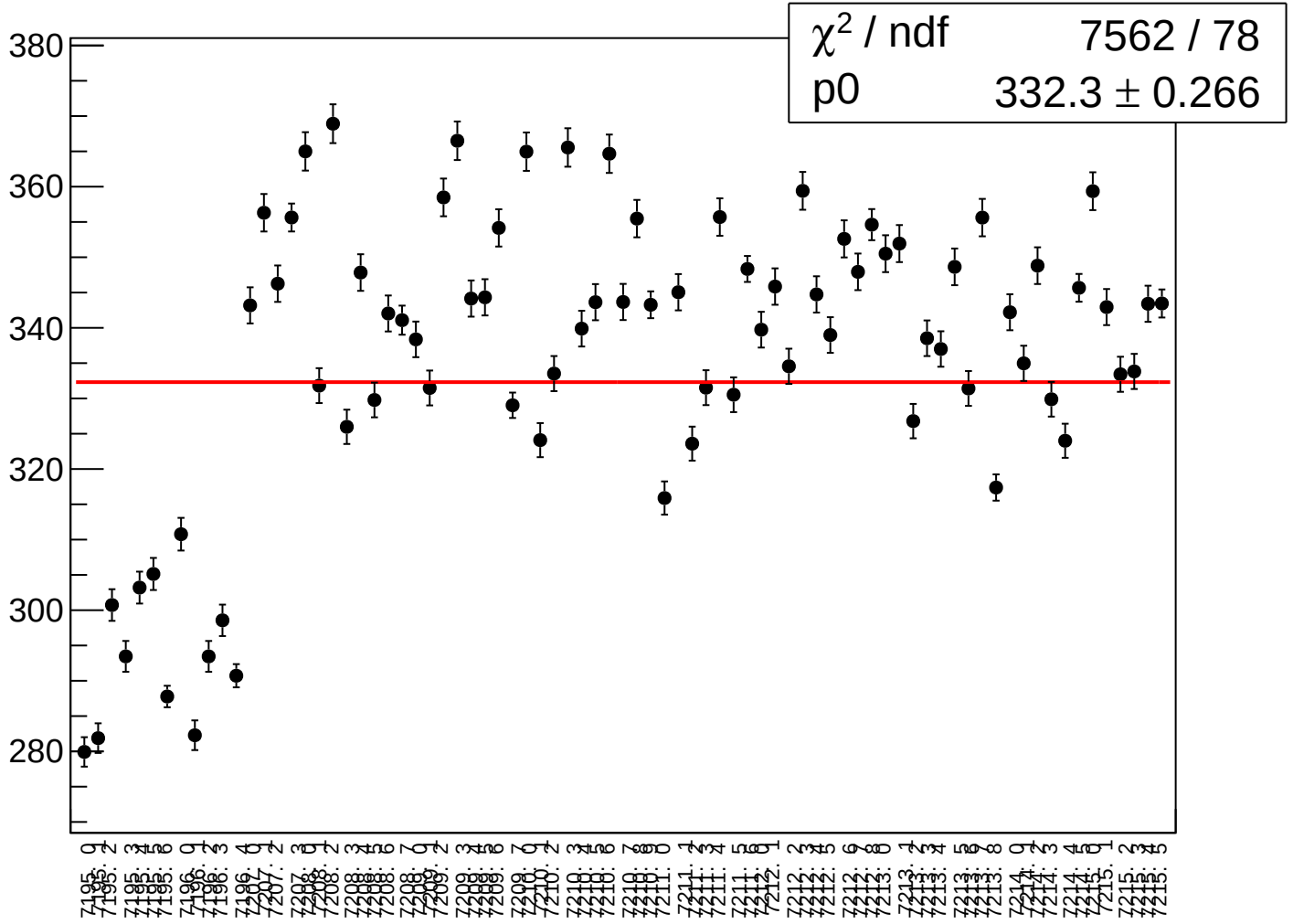

dit_asym_sam_15_avg_mean vs run
χ² / ndf 79.22 / 78
p0 2.509 ± 76.48
pull
Entries 79
Mean −143
Std Dev 245.8
pull1D
Entries 79
Mean 0.0032
Std Dev 1.001

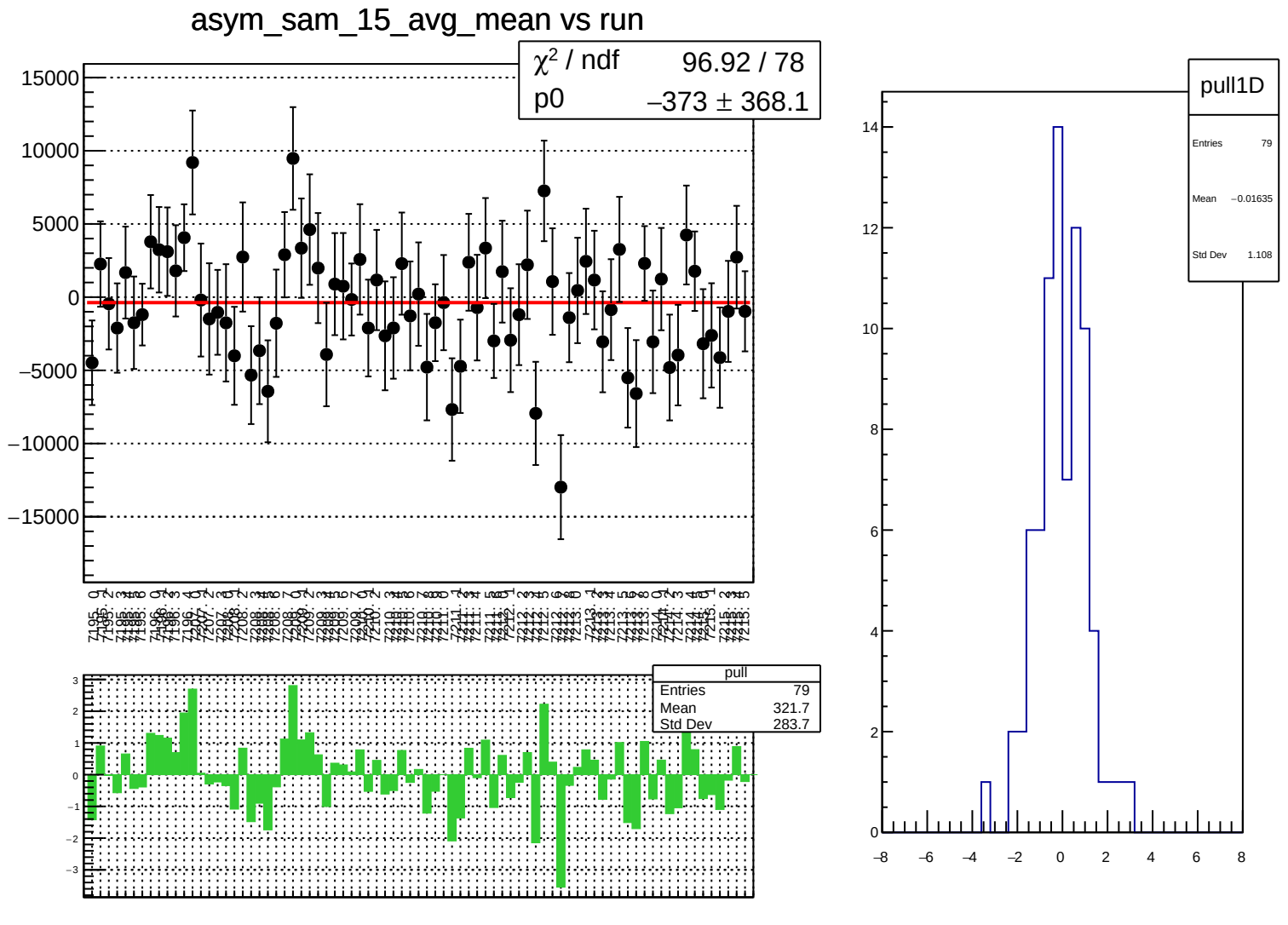
dit_asym_sam_15_avg_rms vs run

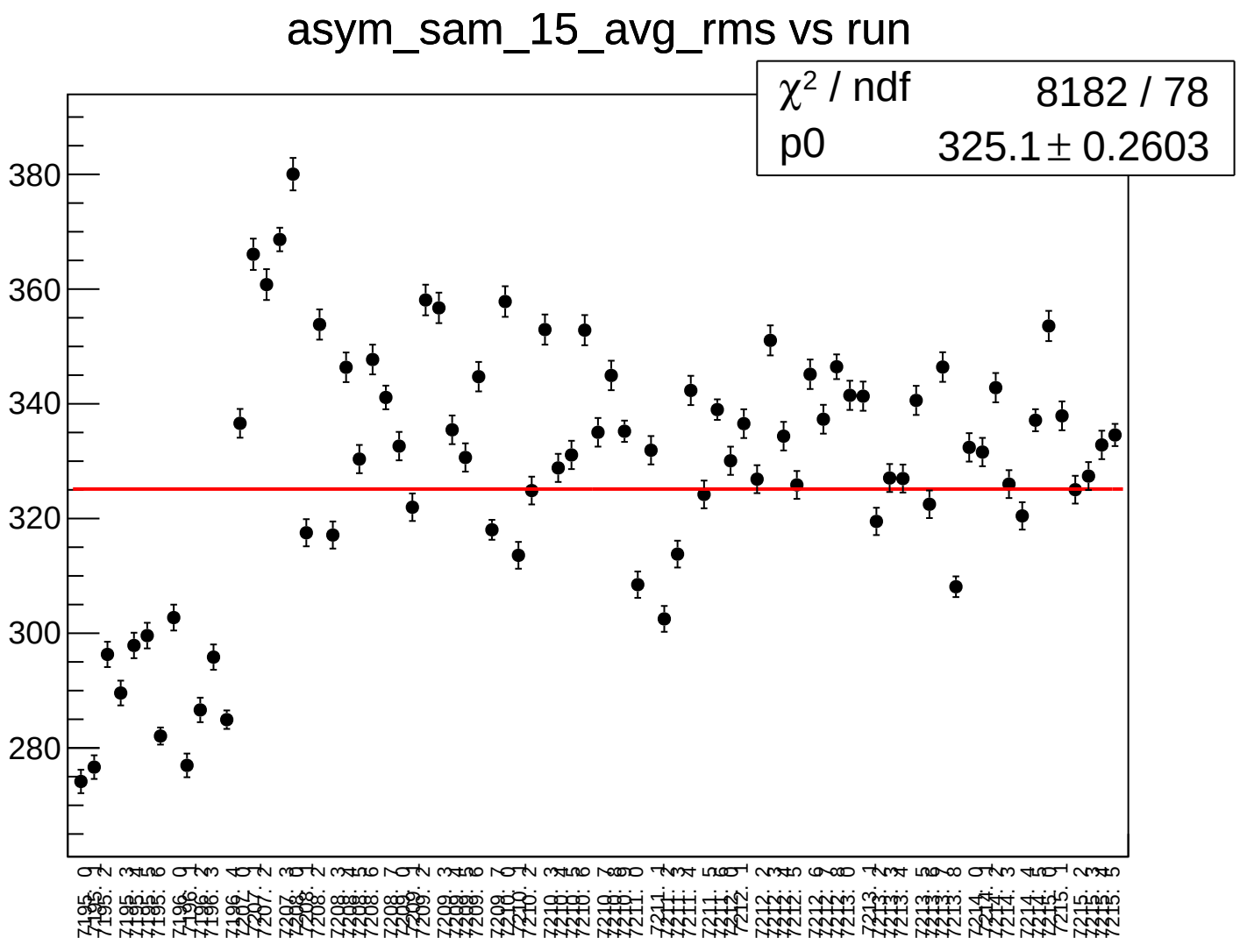


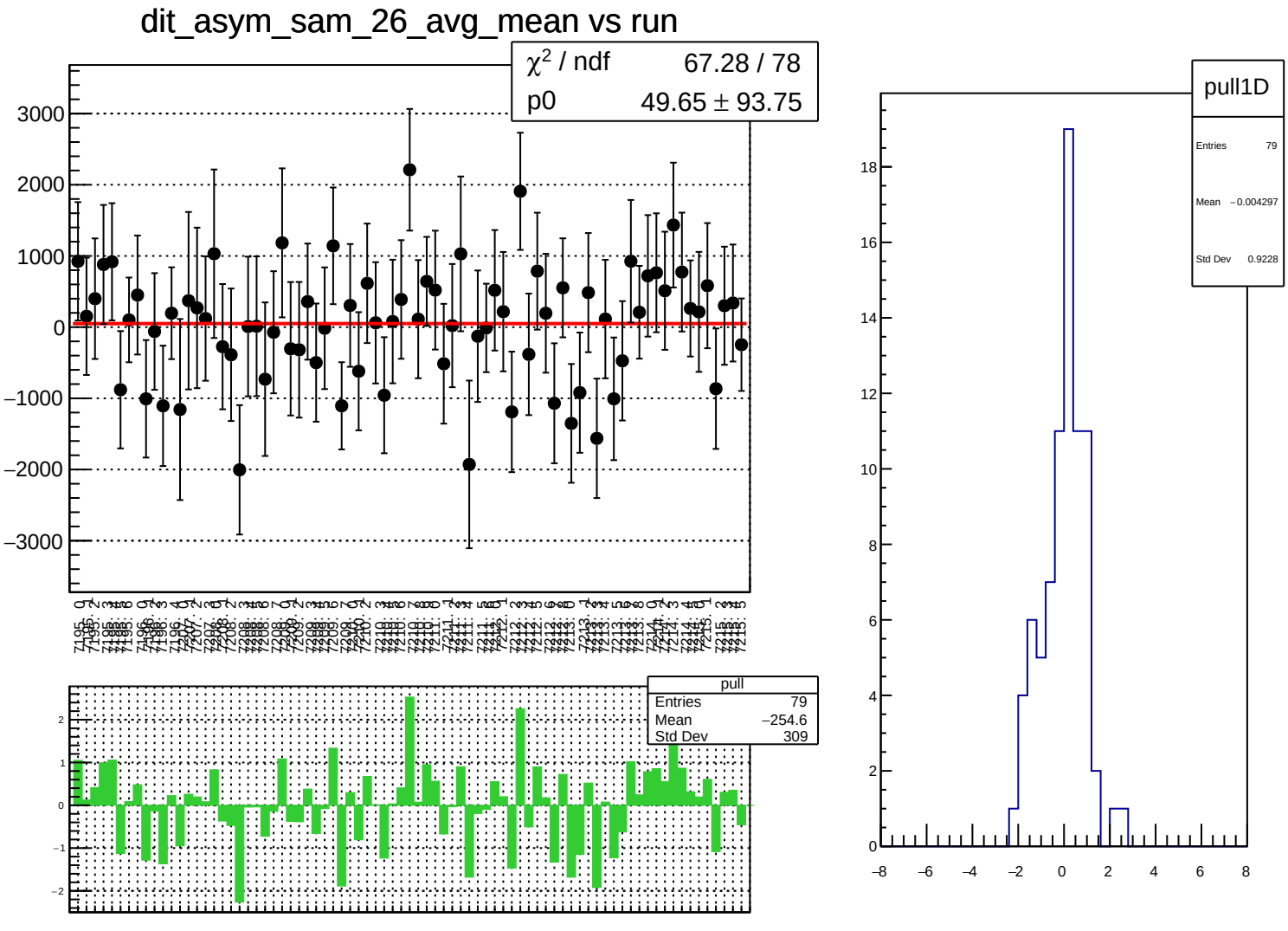

asym_sam_15_avg_correction_mean vs run
χ² / ndf 97.38 / 78
p0 376.3 ± 376.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean 307.4
Std Dev 271.5
3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean 0.0164
Std Dev 1.11
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_avg_correction_rms vs run

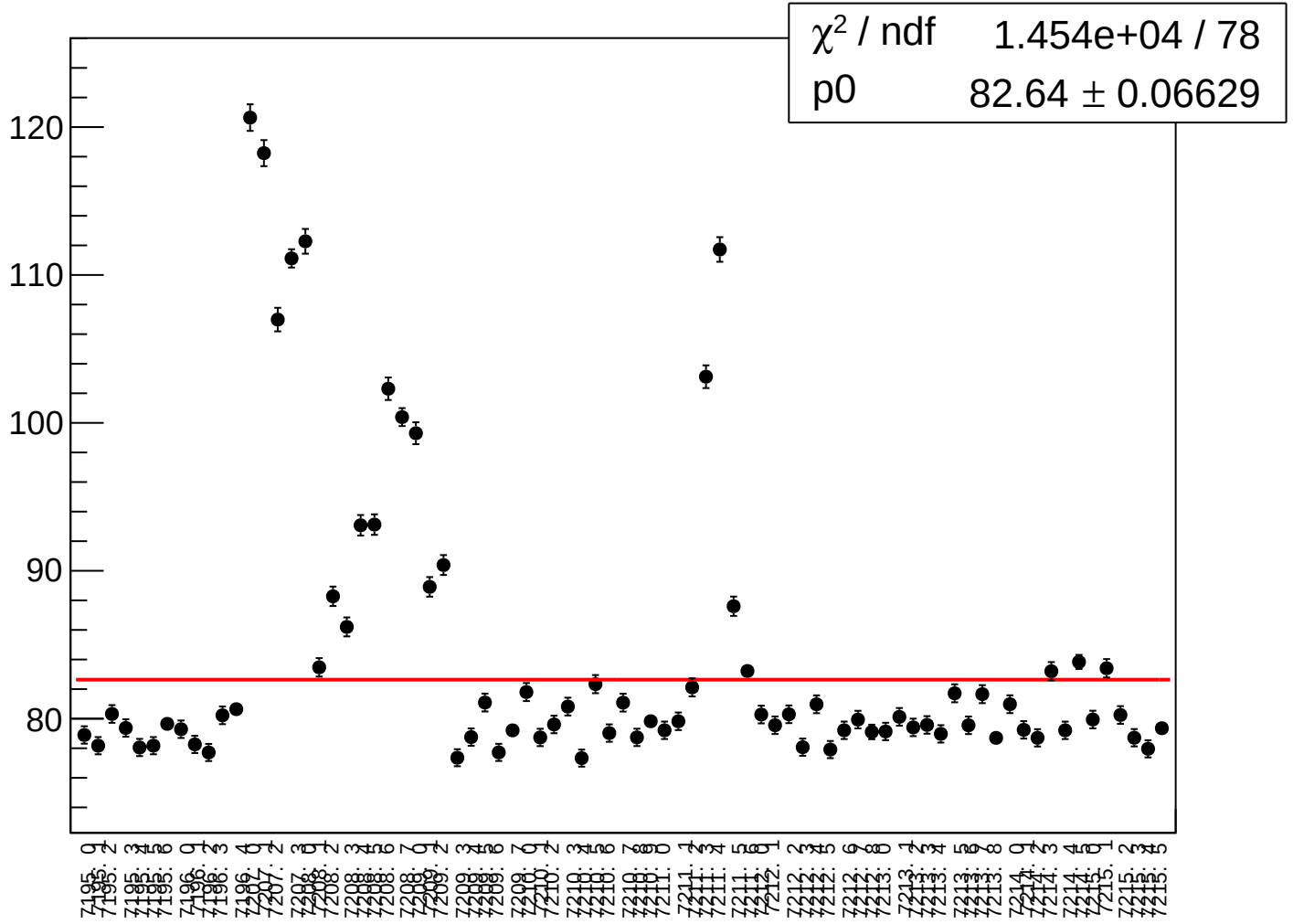


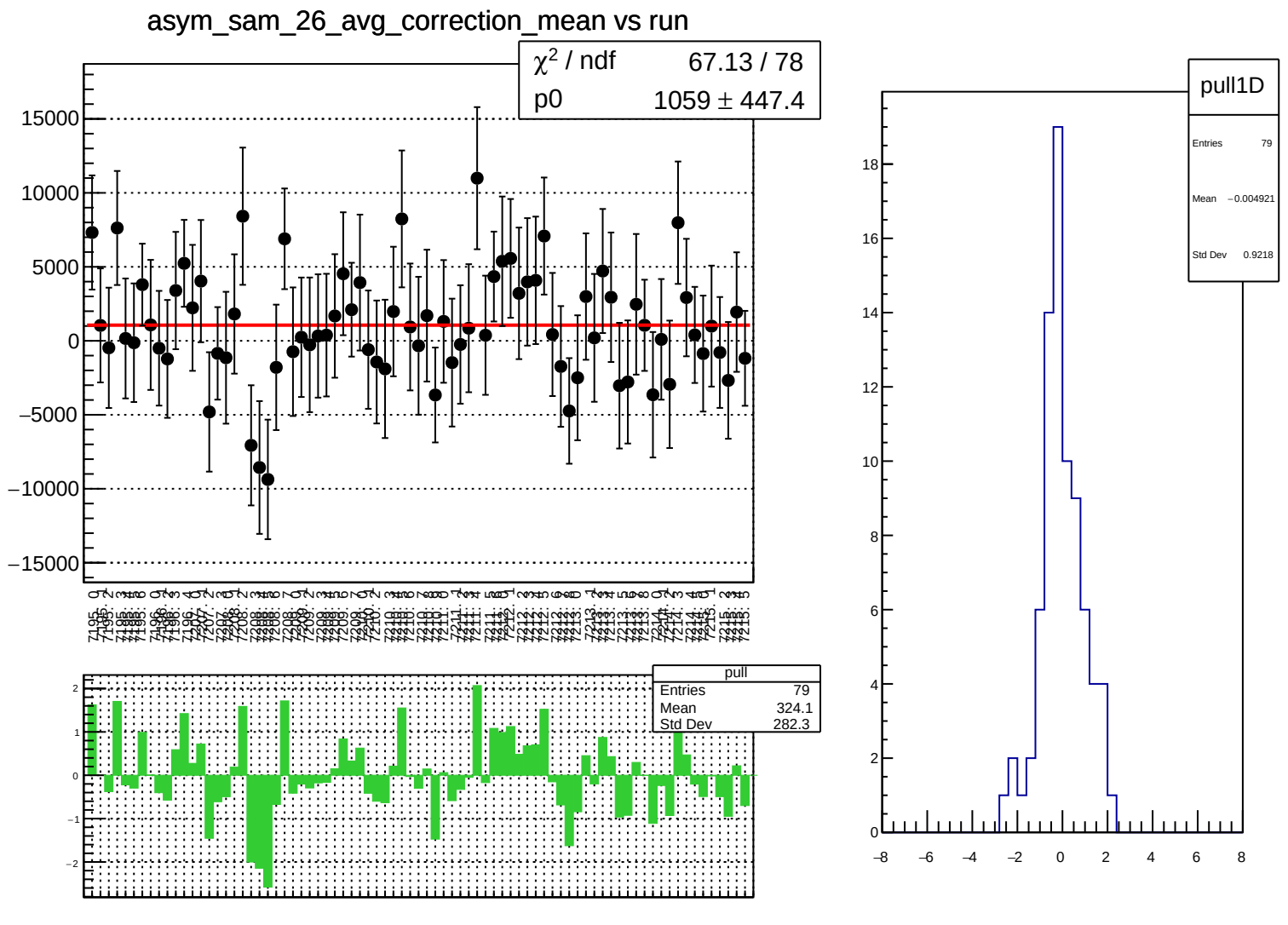

asym_sam_15_avg_mean vs run
χ² / ndf 96.92 / 78
p0 −373 ± 368.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean 321.7
Std Dev 283.7
pull1D
Entries 79
Mean −0.01635
Std Dev 1.108


asym_sam_15_avg_rms vs run
χ² / ndf 8182 / 78
p0 325.1 ± 0.2603
380
360
340
320
300
280

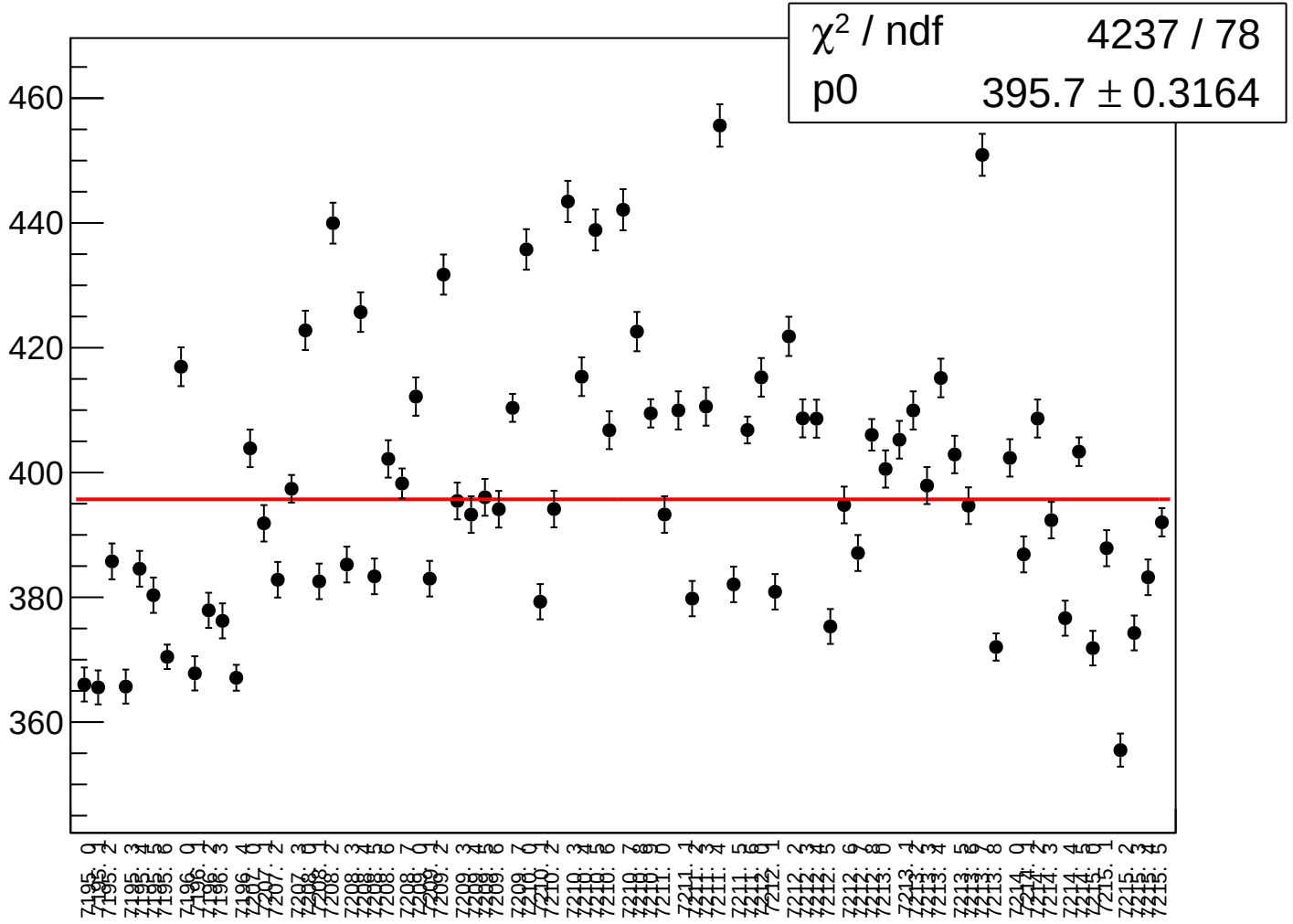

dit_asym_sam_26_avg_mean vs run
χ² / ndf 67.28 / 78
p0 49.65 ± 93.75
pull
Entries 79
Mean −254.6
Std Dev 309
pull1D
Entries 79
Mean −0.004297
Std Dev 0.9228

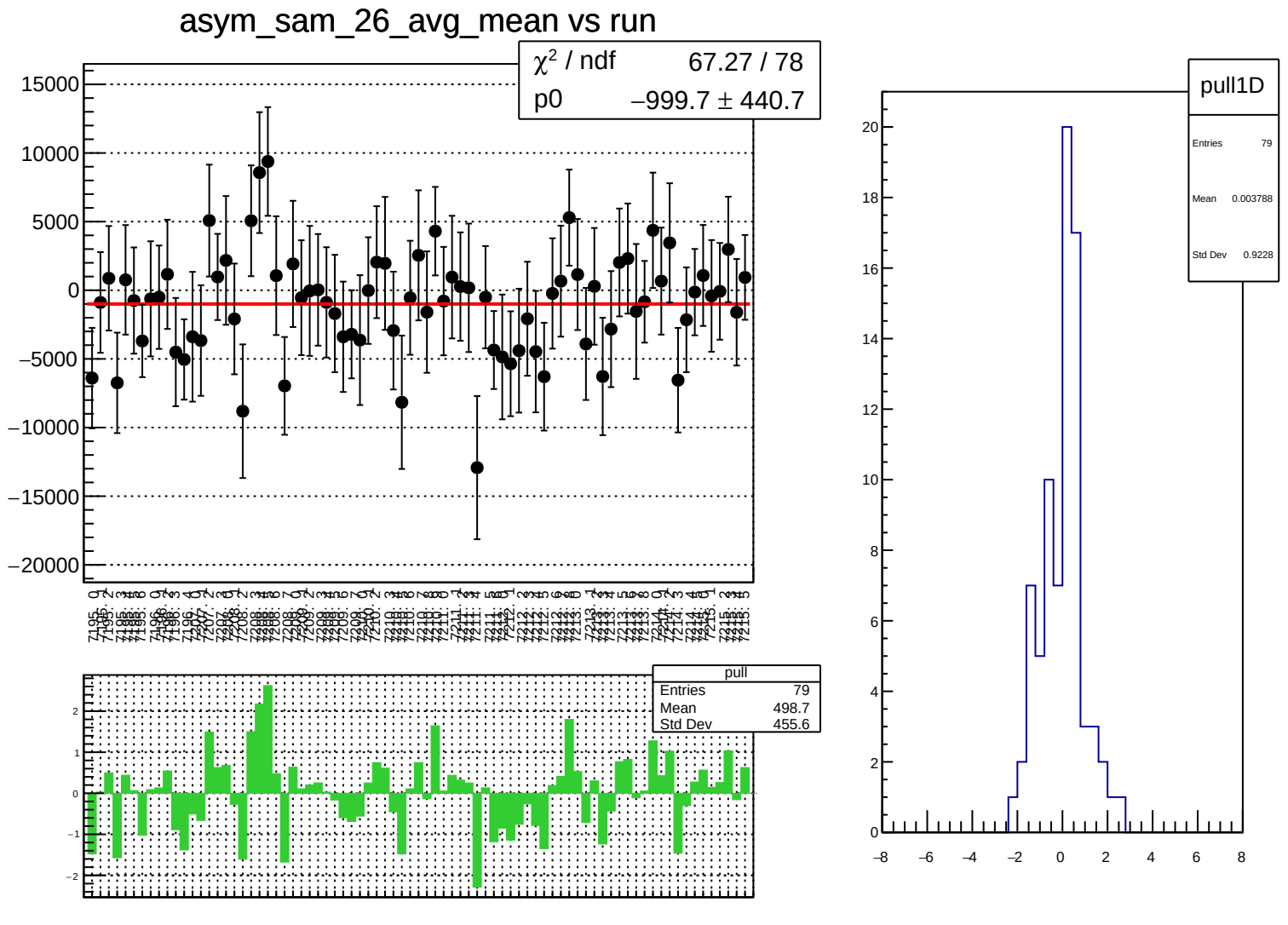
dit_asym_sam_26_avg_rms vs run

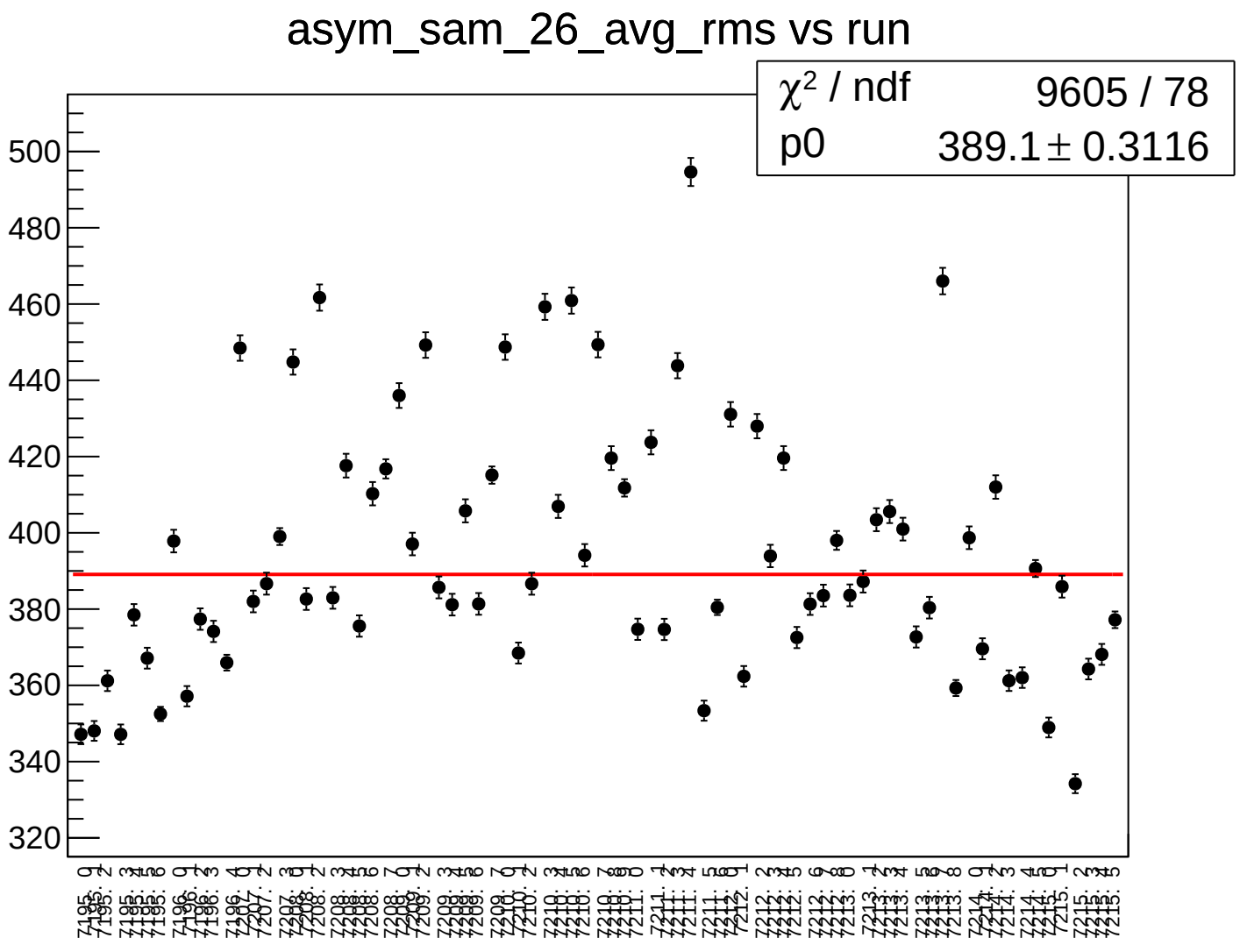


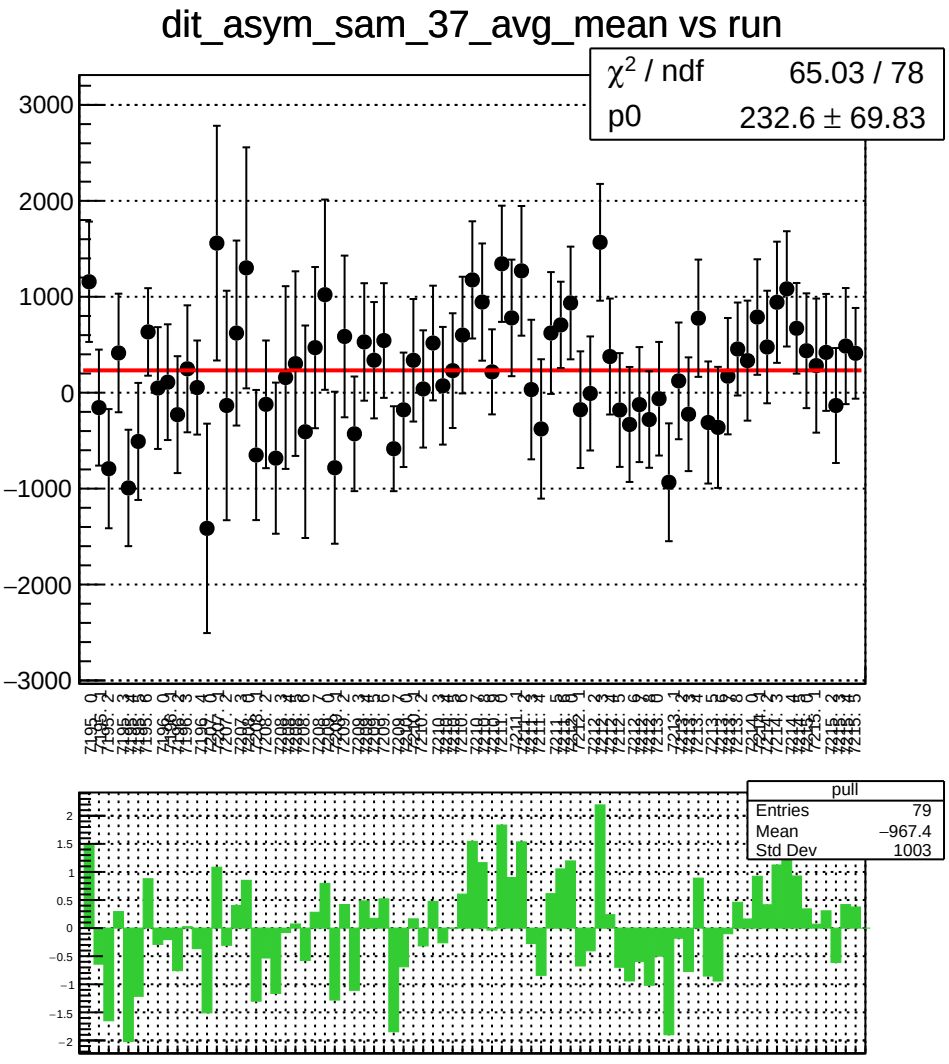

asym_sam_26_avg_correction_mean vs run
χ² / ndf 67.13 / 78
p0 1059 ± 447.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean 324.1
Std Dev 282.3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.004921
Std Dev 0.9218
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

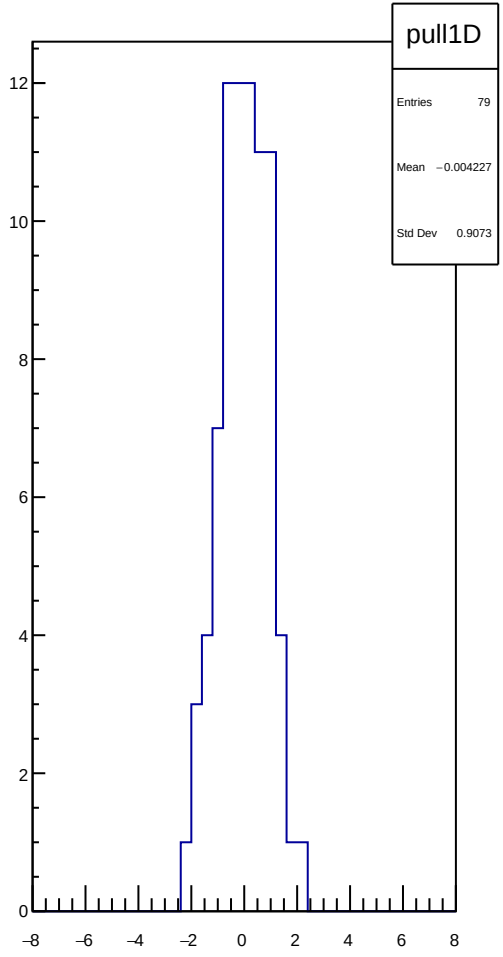
asym_sam_26_avg_correction_rms vs run

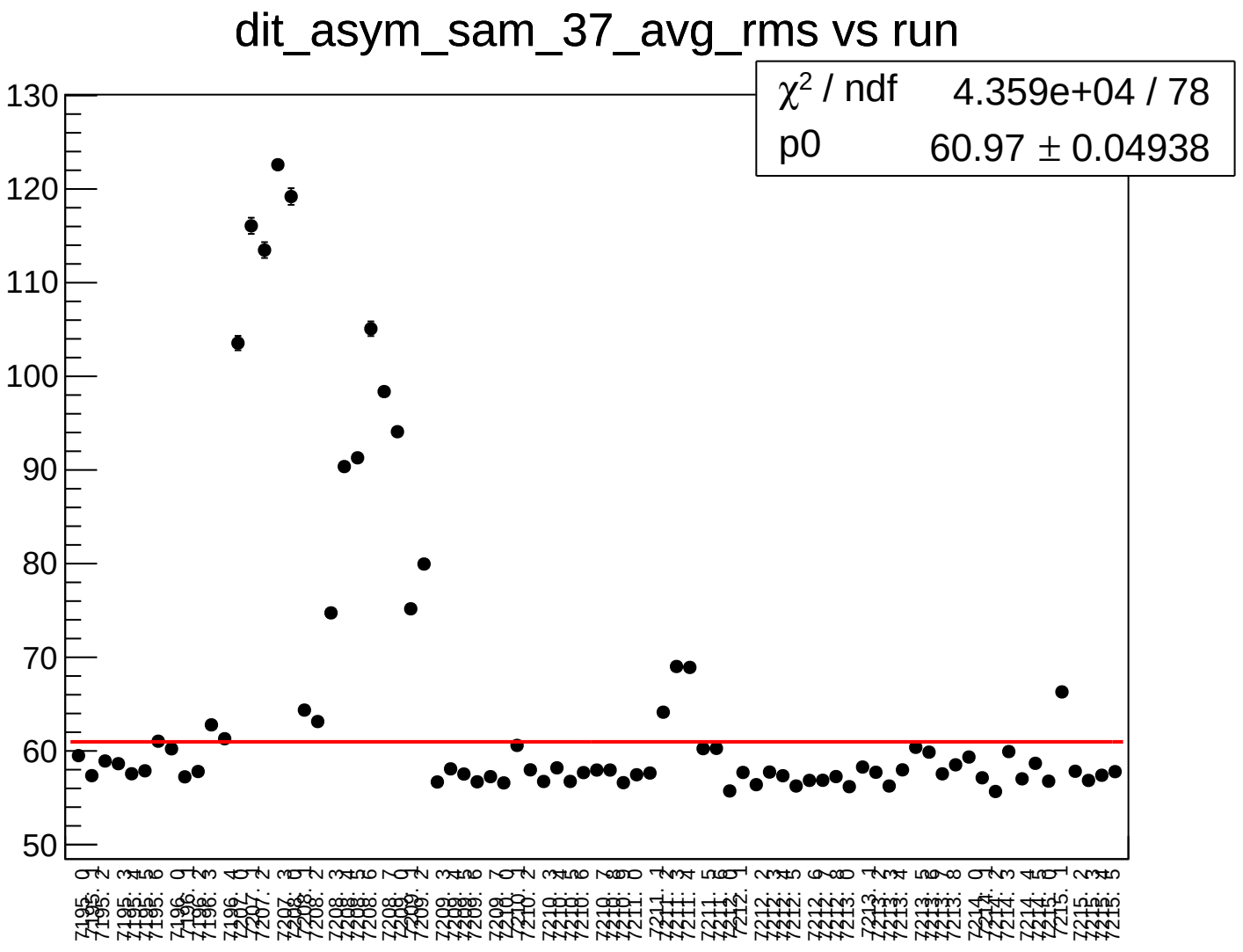


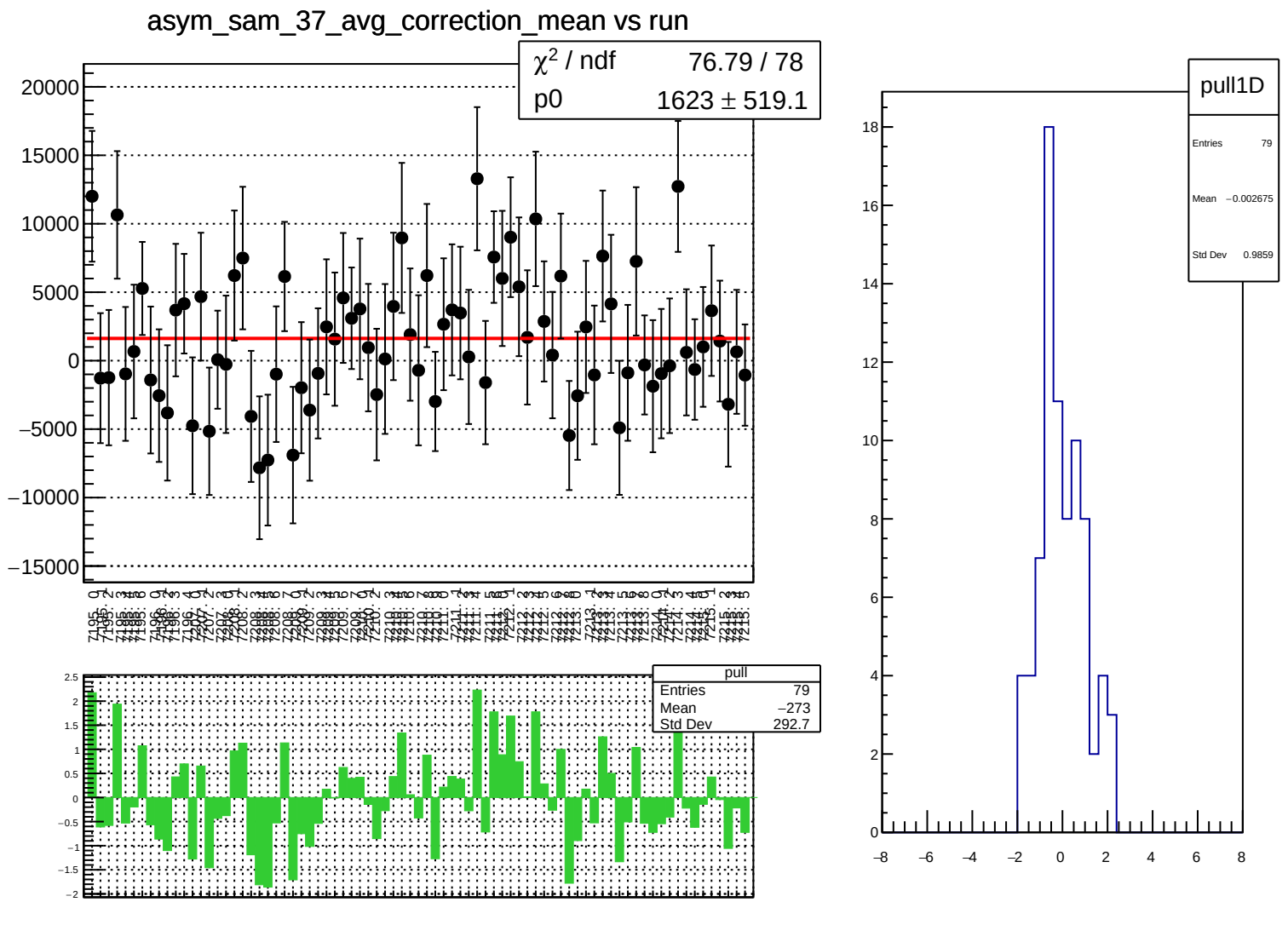

asym_sam_26_avg_mean vs run
χ² / ndf 67.27 / 78
p0 −999.7 ± 440.7
pull
Entries 79
Mean 498.7
Std Dev 455.6
pull1D
Entries 79
Mean 0.003788
Std Dev 0.9228

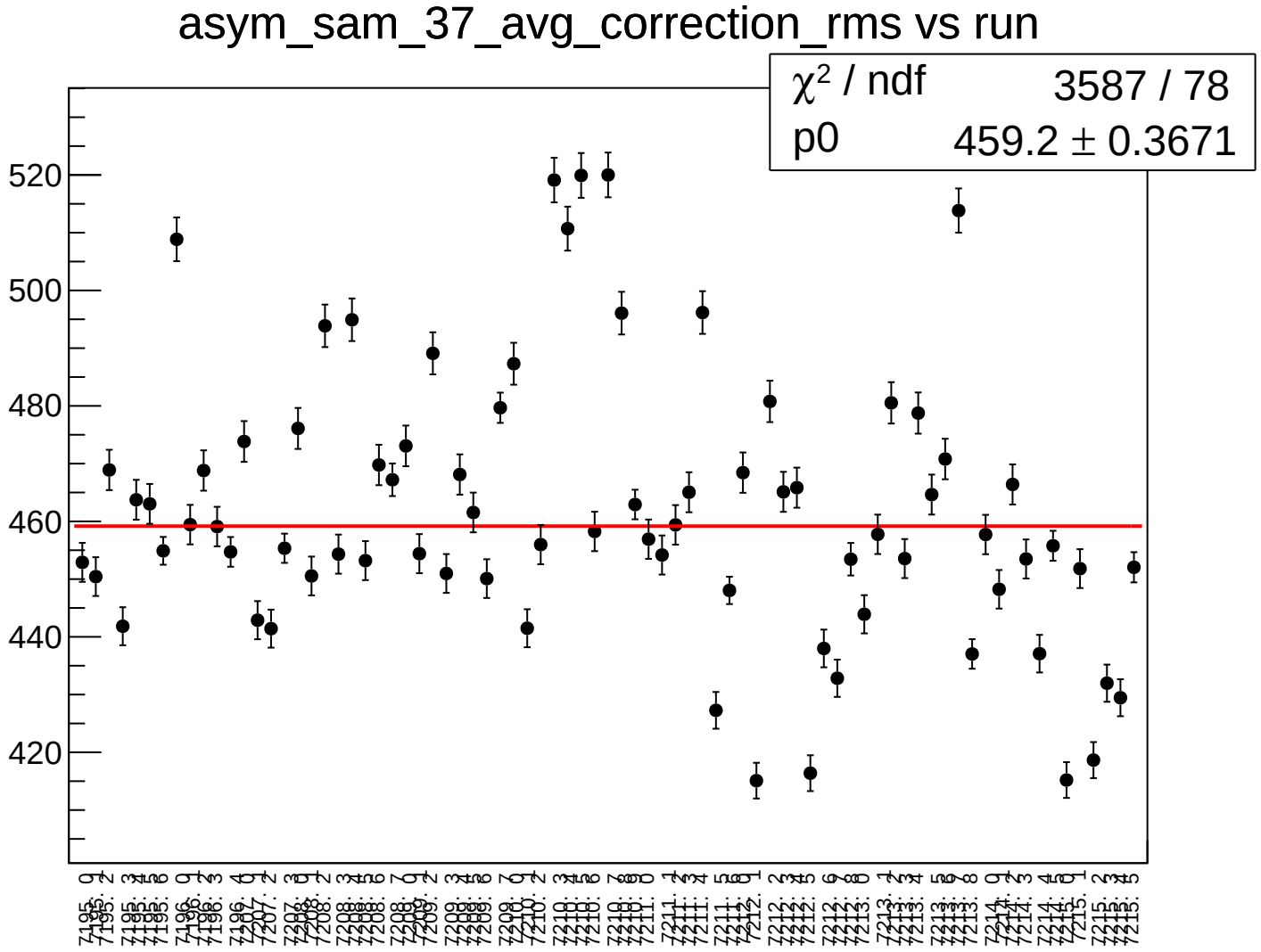

asym_sam_26_avg_rms vs run
χ^2 / ndf 9605 / 78
p0 389.1 ± 0.3116
500
480
460
440
420
400
380
360
340
320

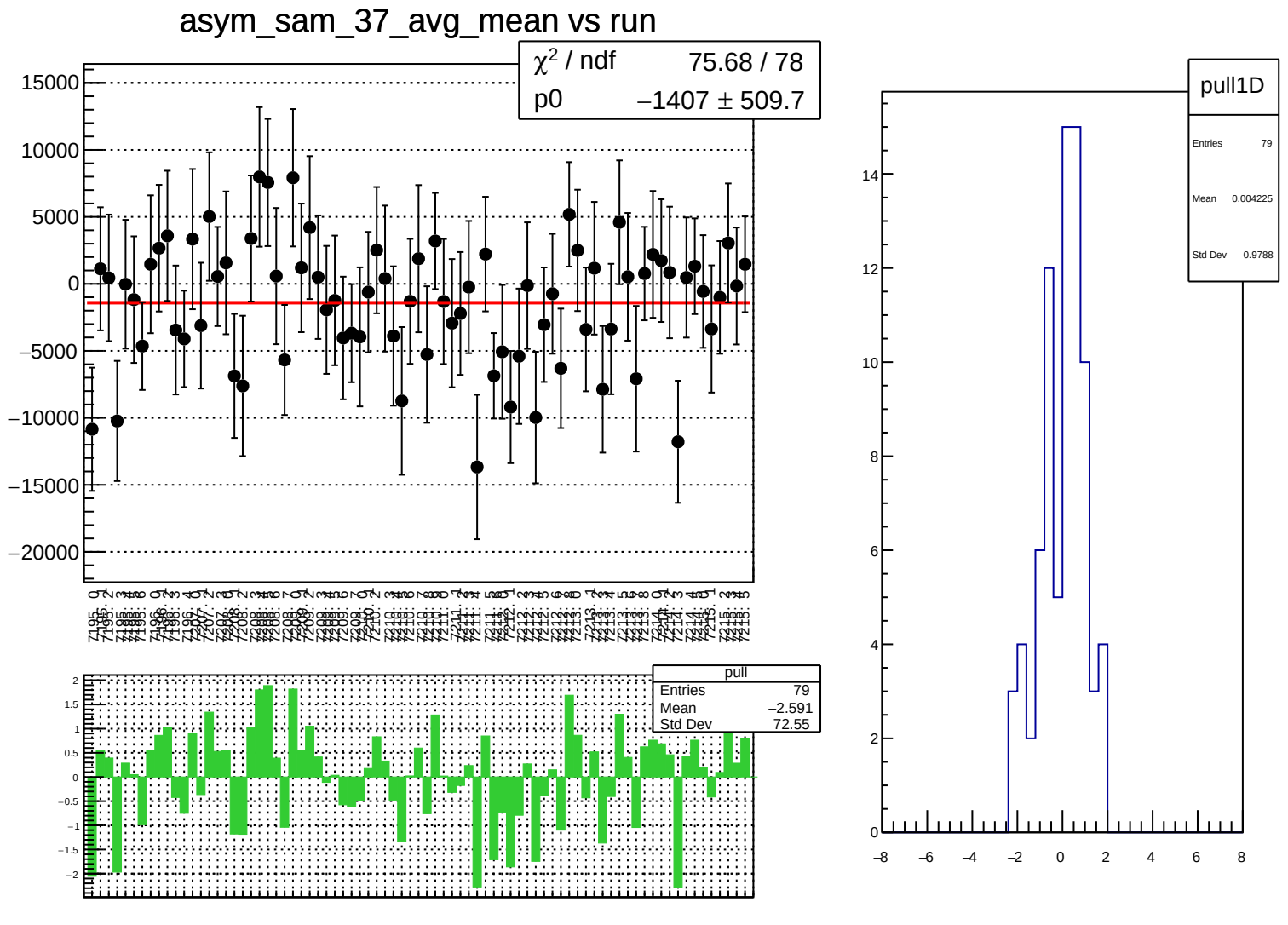

dit_asym_sam_37_avg_mean vs run
χ² / ndf 65.03 / 78
p0 232.6 ± 69.83
pull
Entries 79
Mean −967.4
Std Dev 1003

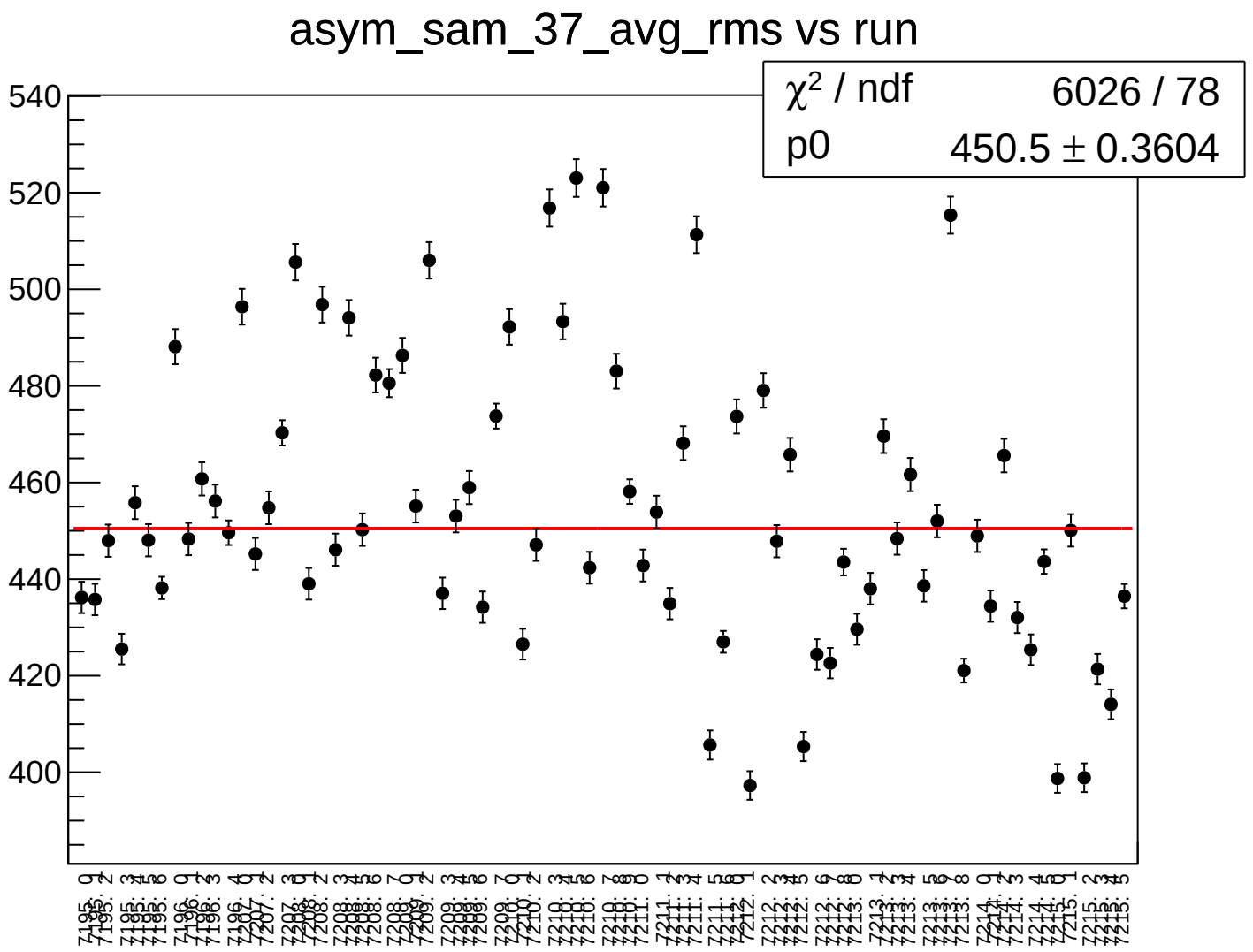

pull1D
Entries 79
Mean −0.004227
Std Dev 0.9073

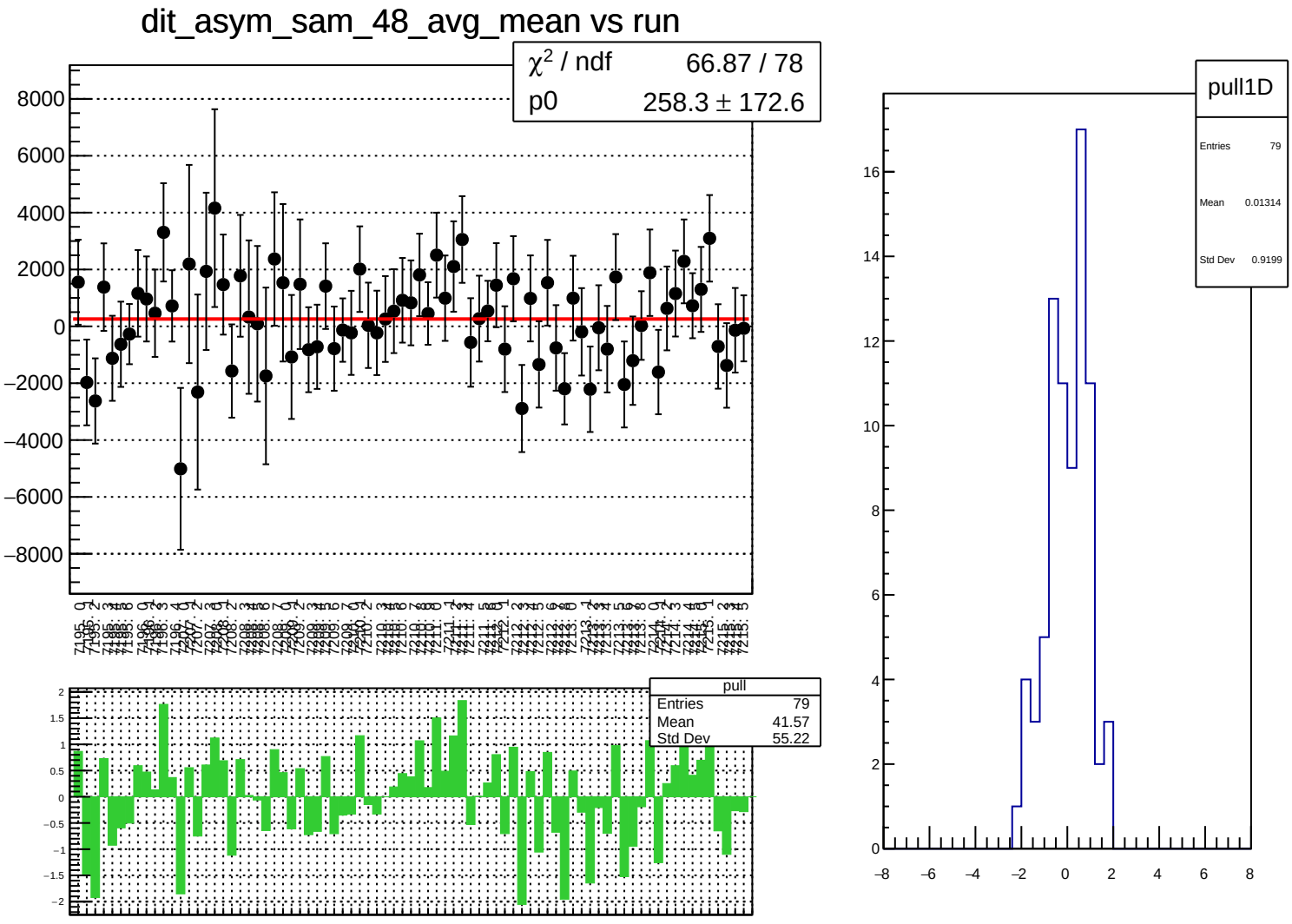

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 4.359e+04 / 78
p0 60.97 ± 0.04938
130
120
110
100
90
80
70
60
50


asym_sam_37_avg_correction_mean vs run
χ² / ndf 76.79 / 78
p0 1623 ± 519.1
pull
Entries 79
Mean −273
Std Dev 292.7
pull1D
Entries 79
Mean −0.002675
Std Dev 0.9859

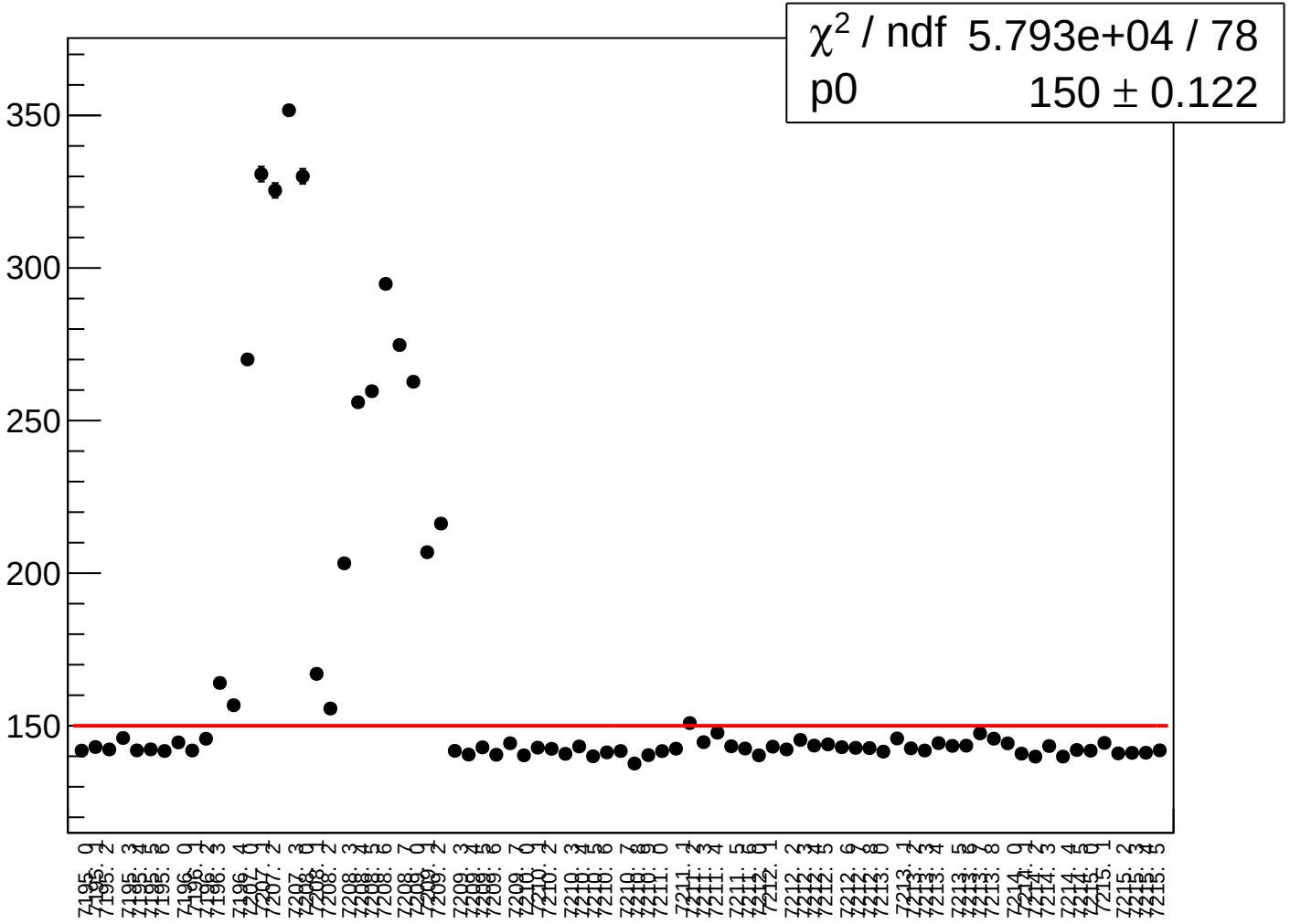

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 3587 / 78
p0 459.2 ± 0.3671
520
500
480
460
440
420

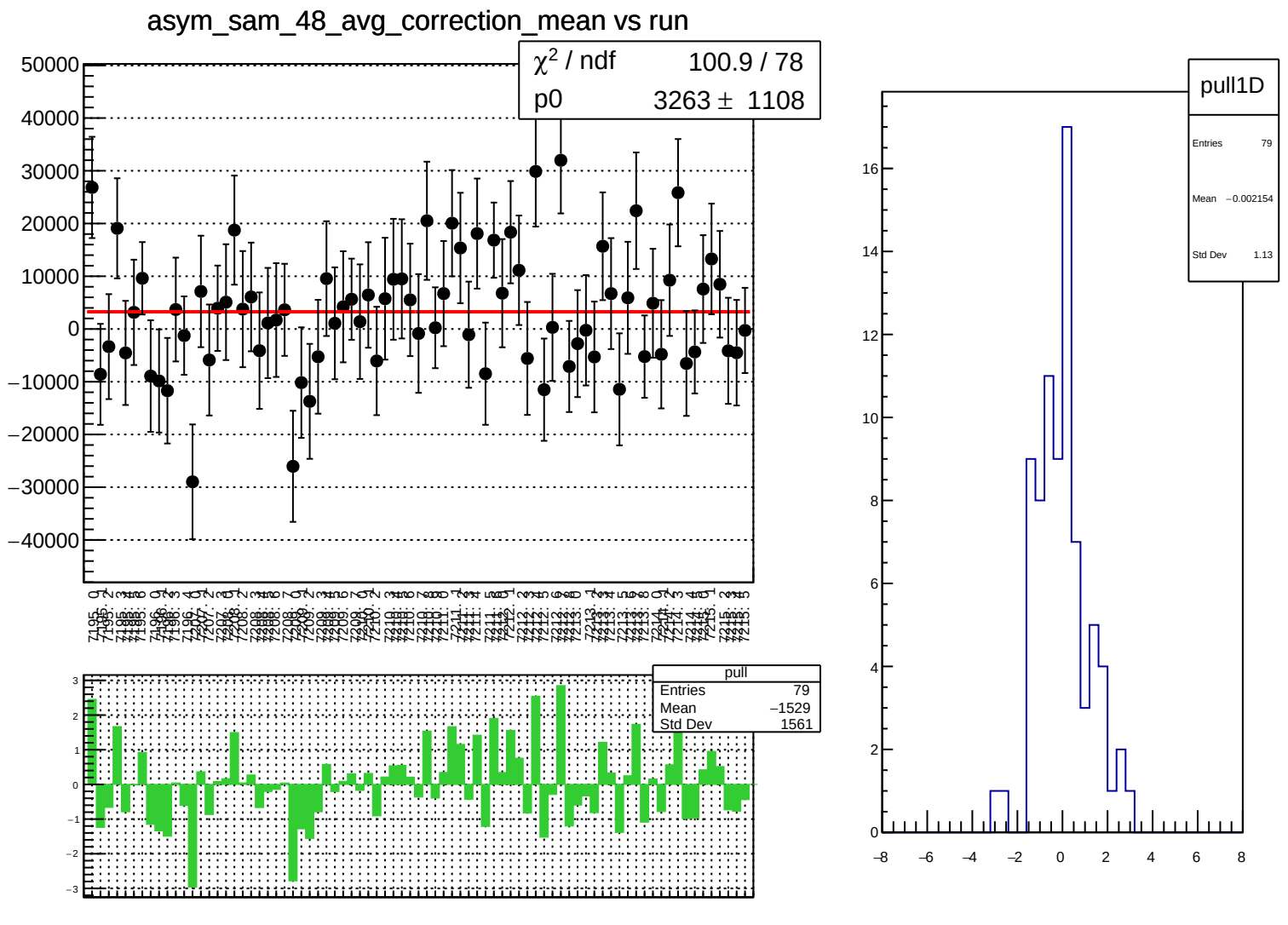

asym_sam_37_avg_mean vs run
χ² / ndf 75.68 / 78
p0 −1407 ± 509.7
pull
Entries 79
Mean −2.591
Std Dev 72.55
pull1D
Entries 79
Mean 0.004225
Std Dev 0.9788


asym_sam_37_avg_rms vs run
χ^2 / ndf 6026 / 78
p0 450.5 ± 0.3604
540
520
500
480
460
440
420
400

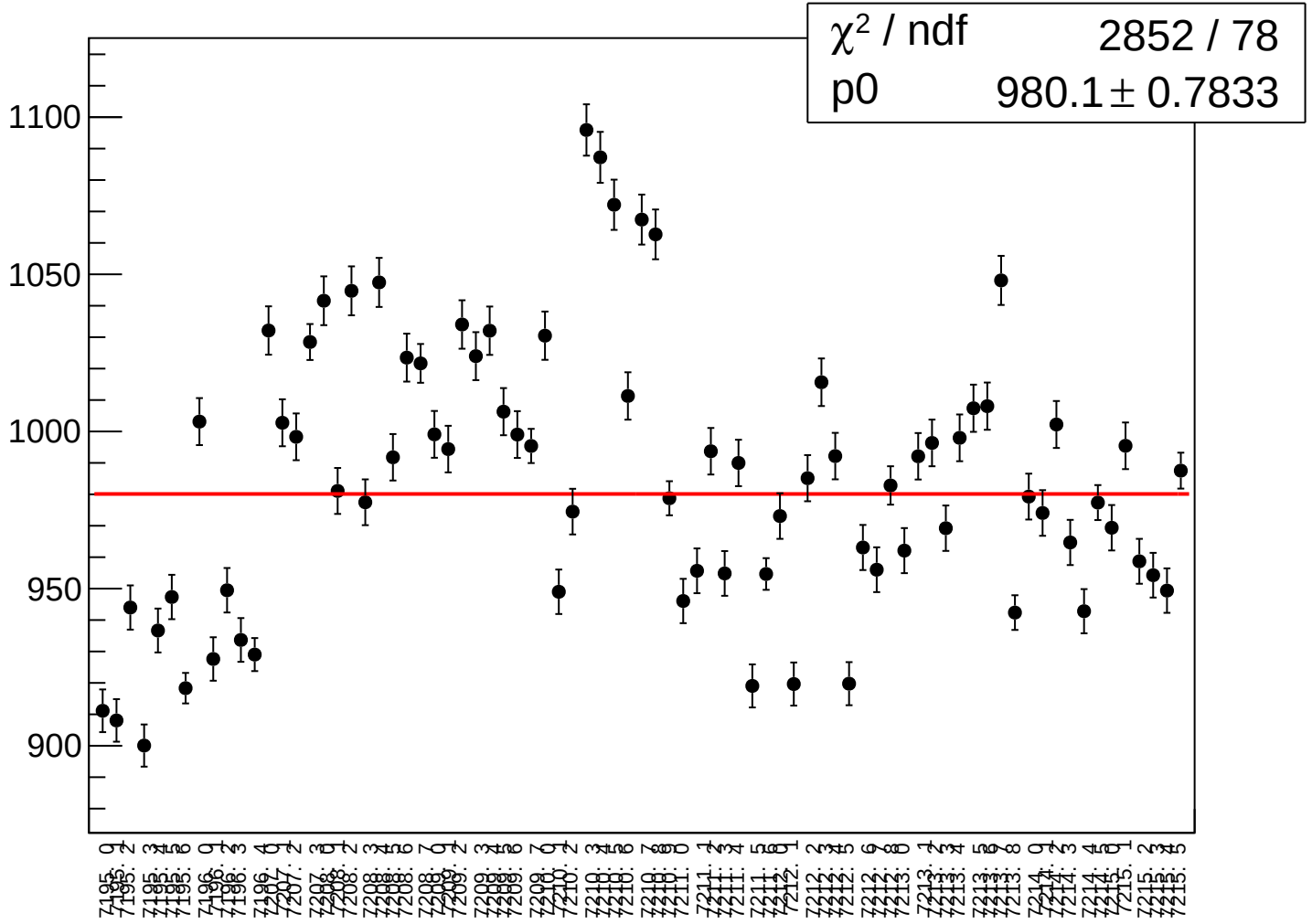

dit_asym_sam_48_avg_mean vs run
χ² / ndf 66.87 / 78
p0 258.3 ± 172.6
pull
Entries 79
Mean 41.57
Std Dev 55.22
pull1D
Entries 79
Mean 0.01314
Std Dev 0.9199

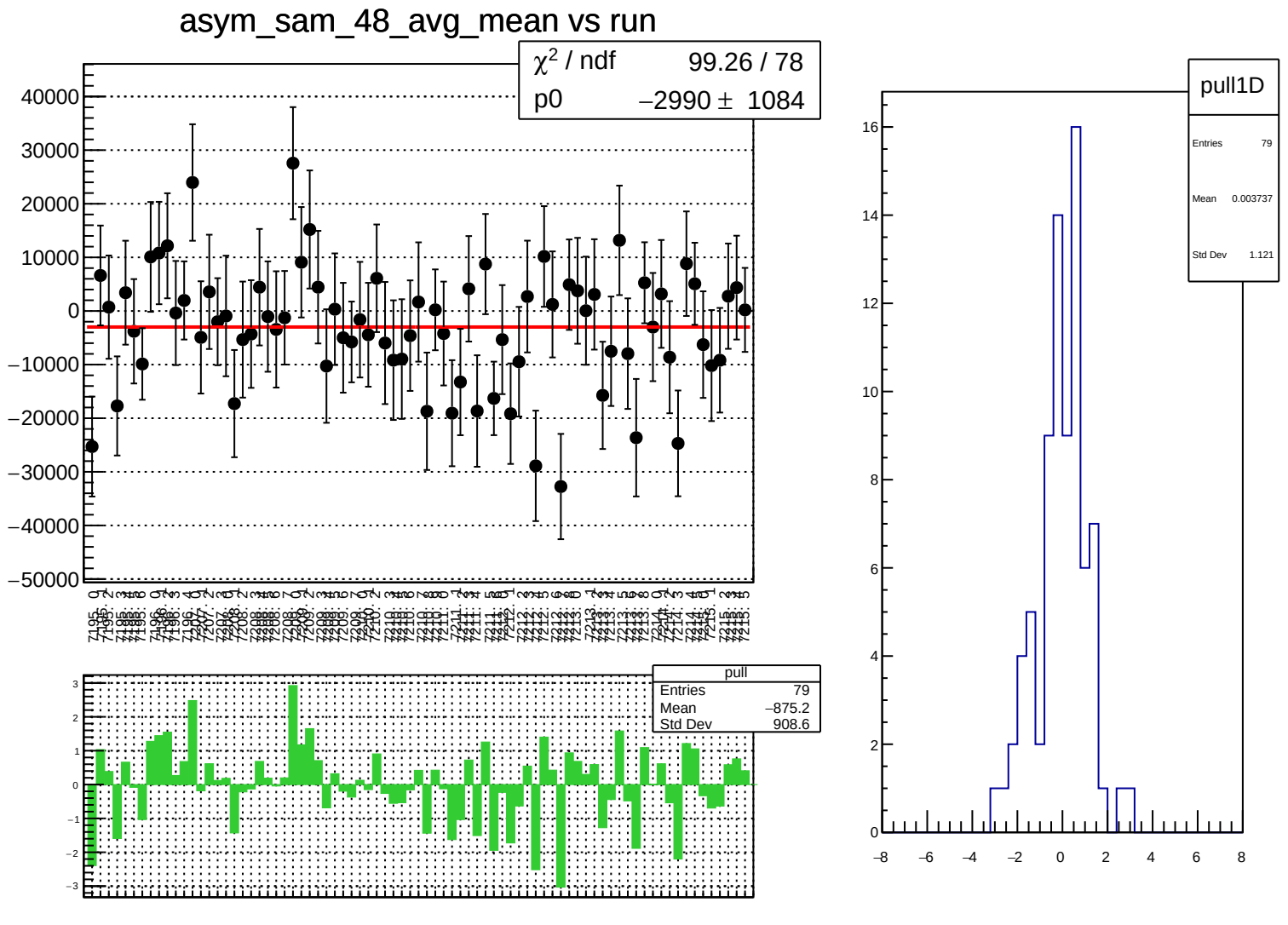
dit_asym_sam_48_avg_rms vs run

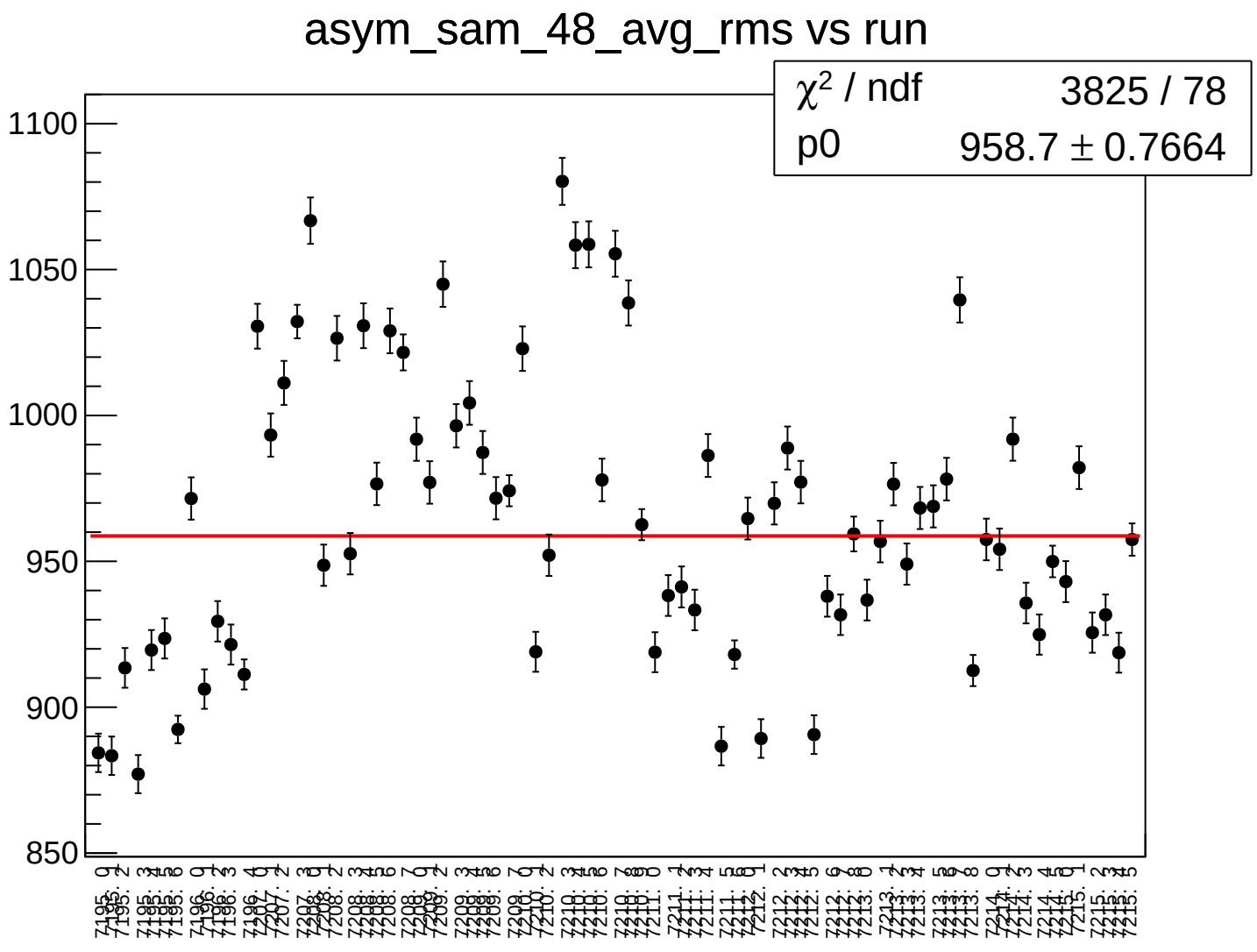


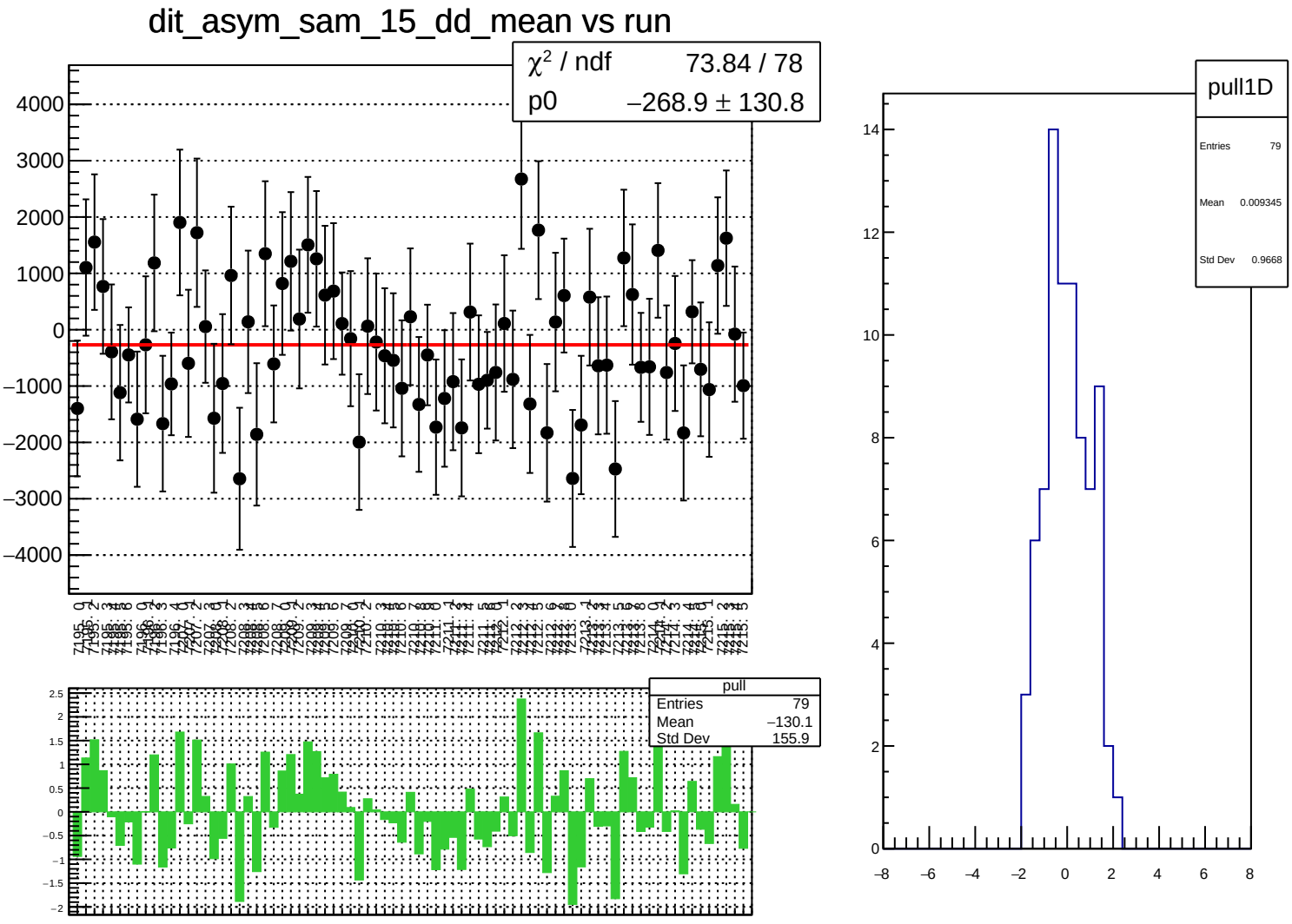

asym_sam_48_avg_correction_mean vs run
χ² / ndf 100.9 / 78
p0 3263 ± 1108
pull
Entries 79
Mean −1529
Std Dev 1561
pull1D
Entries 79
Mean −0.002154
Std Dev 1.13

asym_sam_48_avg_correction_rms vs run

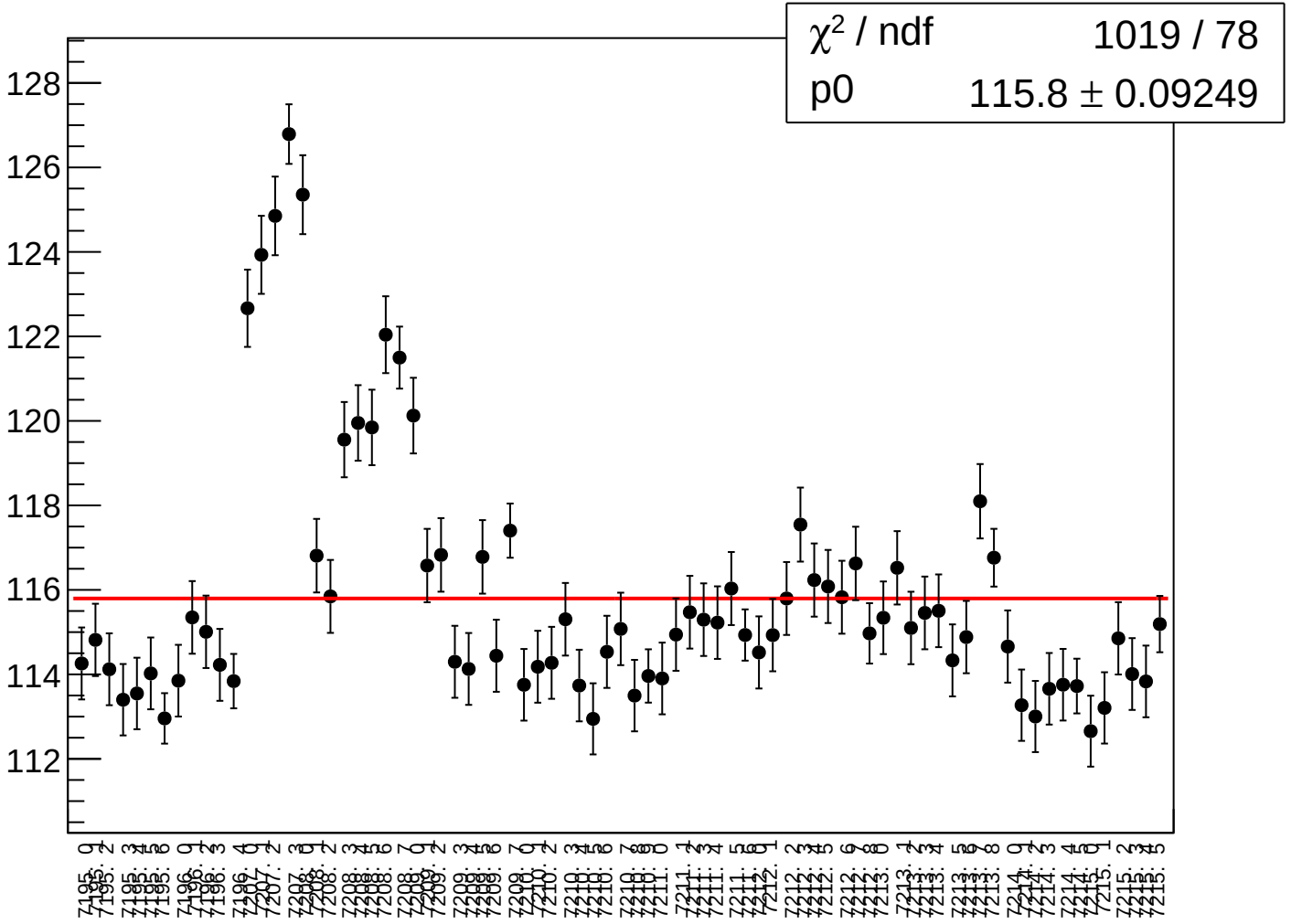


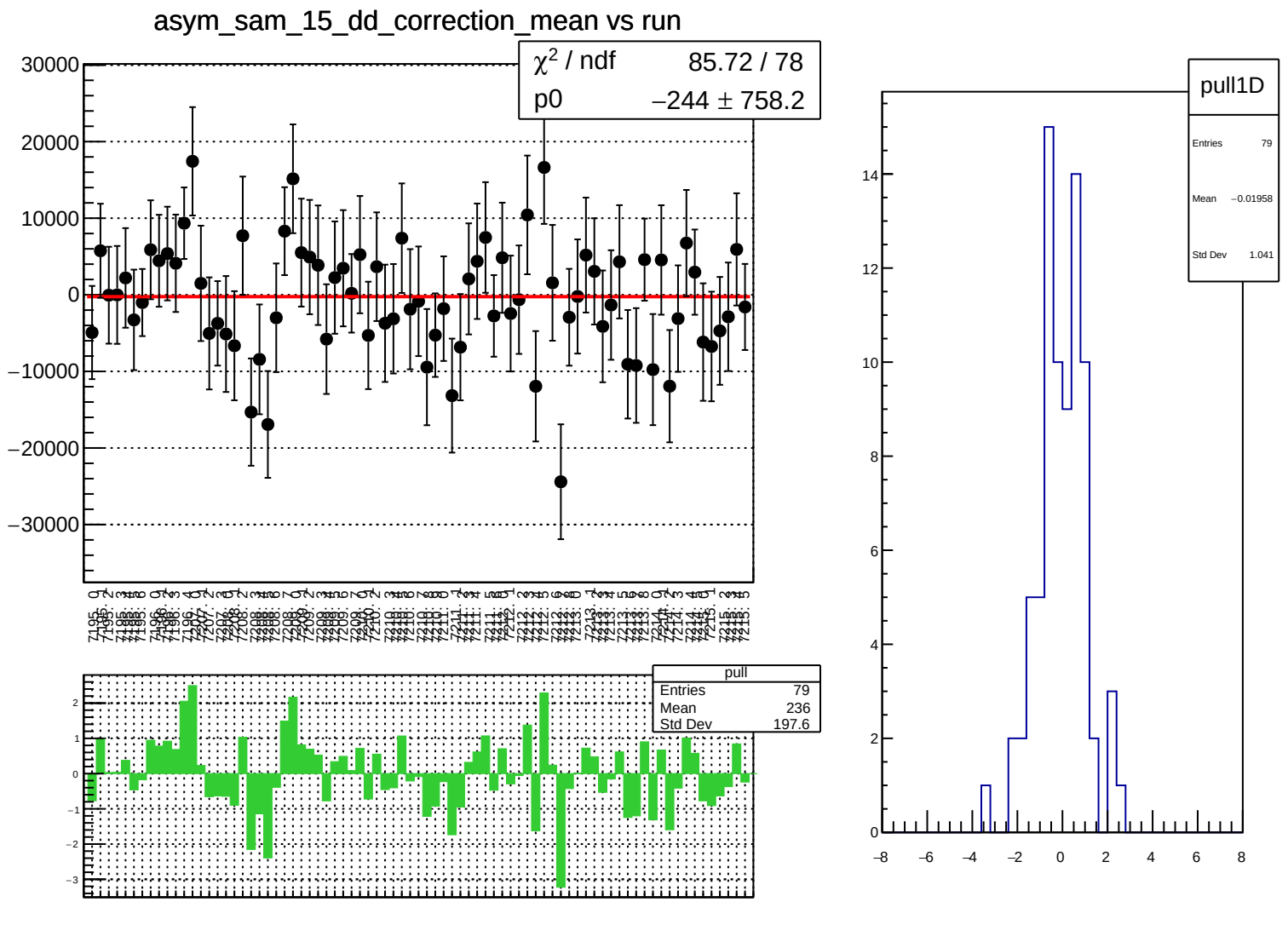

asym_sam_48_avg_mean vs run
χ^2 / ndf 99.26 / 78
p0 −2990 ± 1084
pull
Entries 79
Mean −875.2
Std Dev 908.6
pull1D
Entries 79
Mean 0.003737
Std Dev 1.121


asym_sam_48_avg_rms vs run
χ² / ndf 3825 / 78
p0 958.7 ± 0.7664
1100
1050
1000
950
900
850

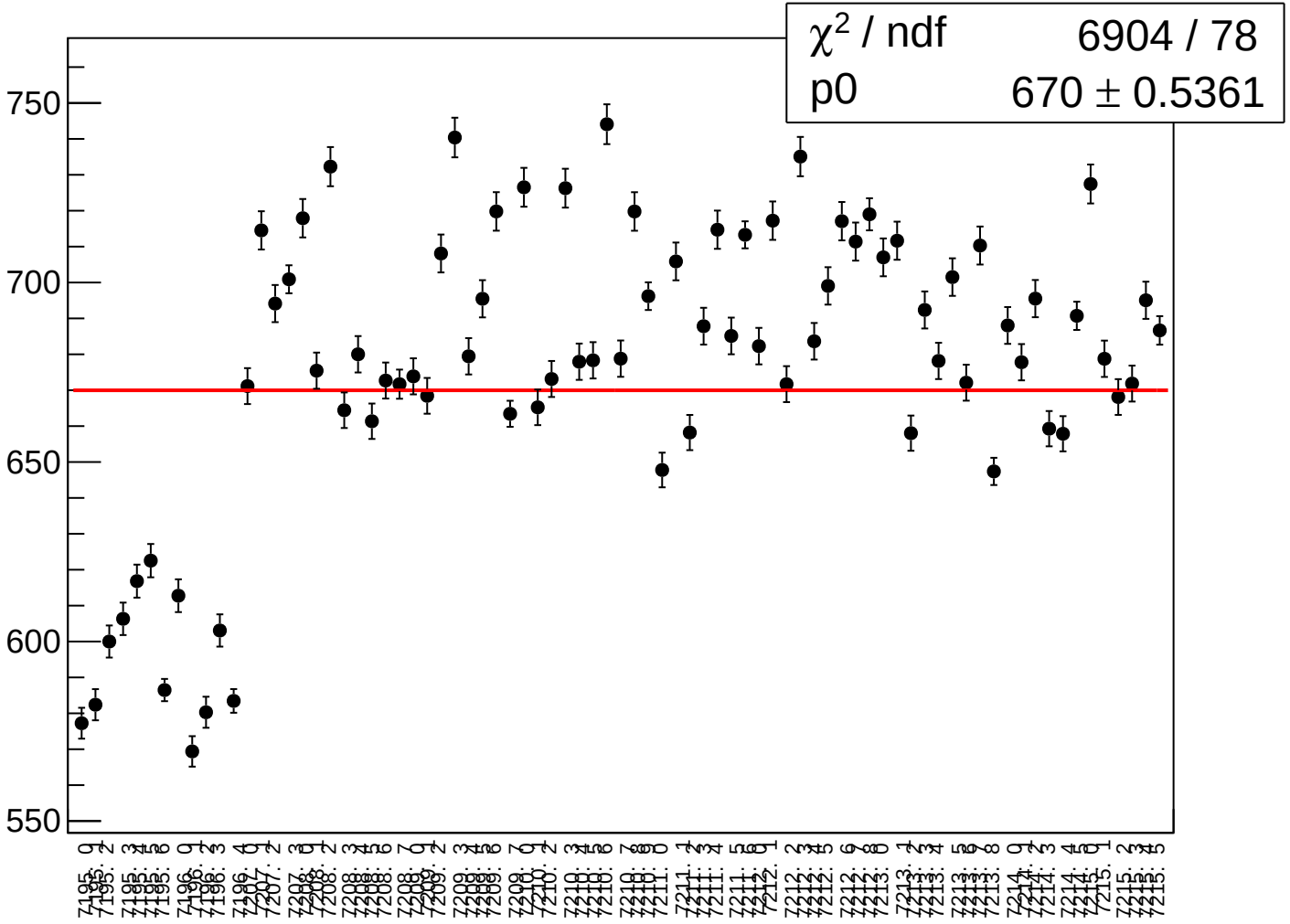

dit_asym_sam_15_dd_mean vs run
χ² / ndf 73.84 / 78
p0 −268.9 ± 130.8
pull
Entries 79
Mean −130.1
Std Dev 155.9
pull1D
Entries 79
Mean 0.009345
Std Dev 0.9668

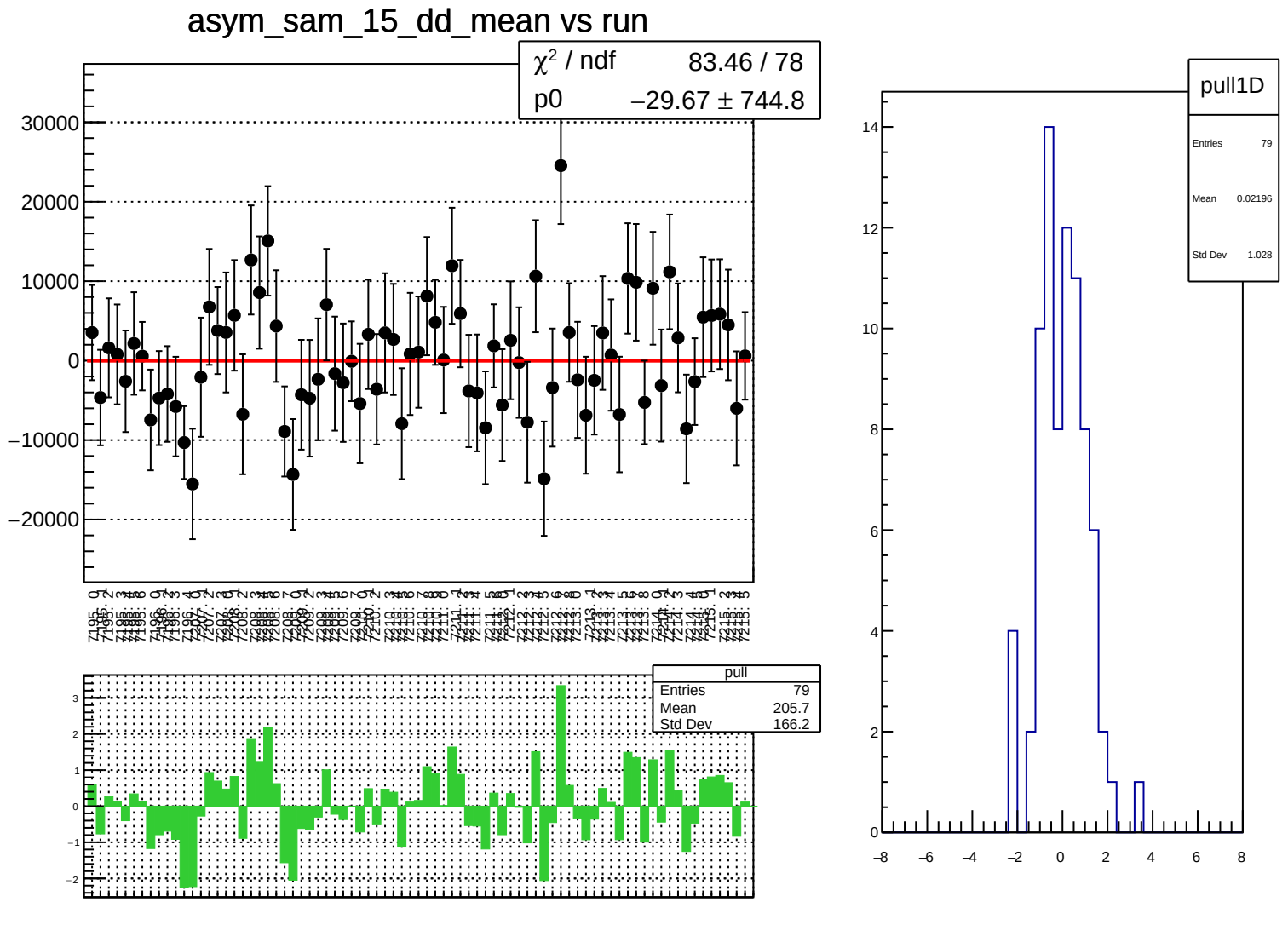
dit_asym_sam_15_dd_rms vs run

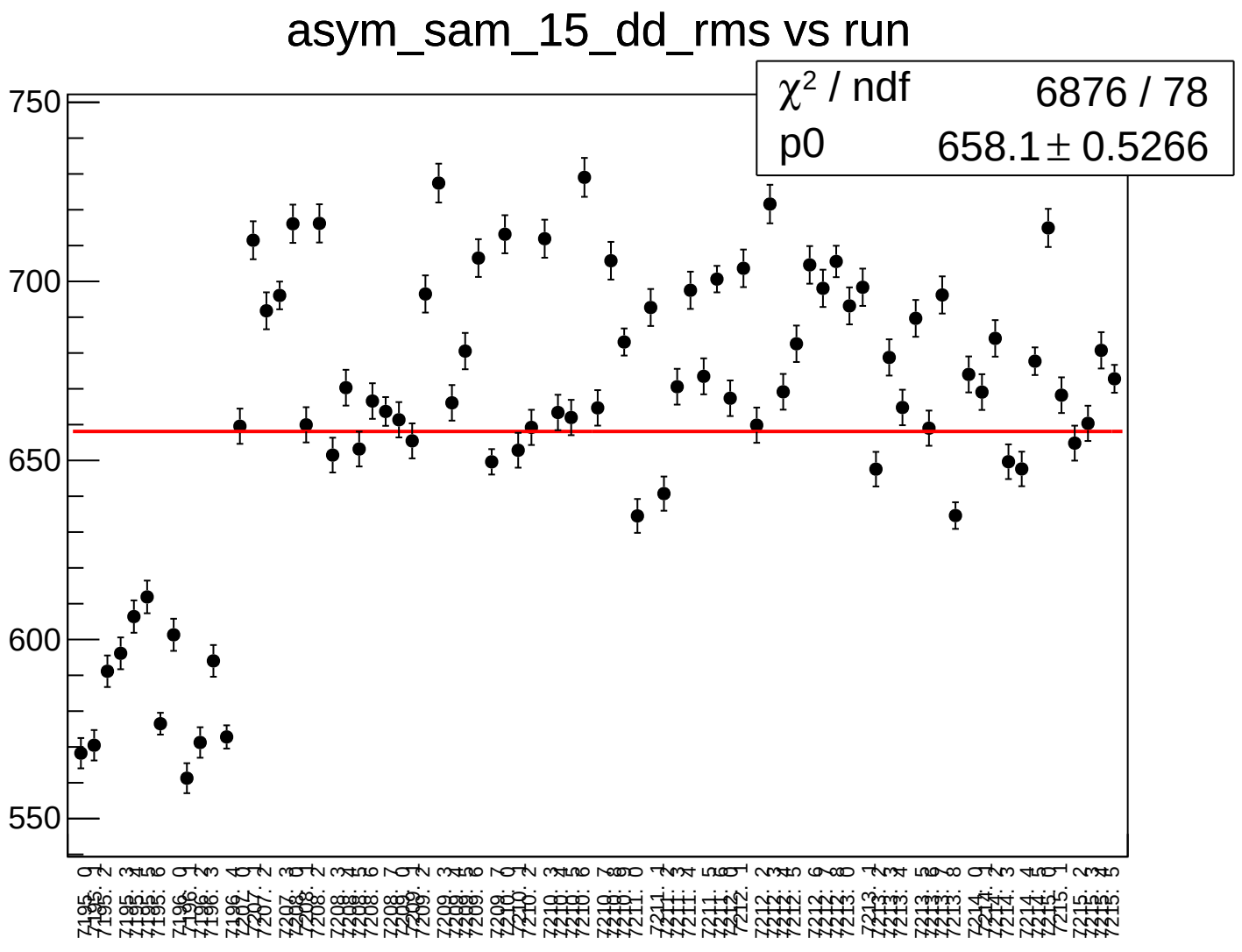


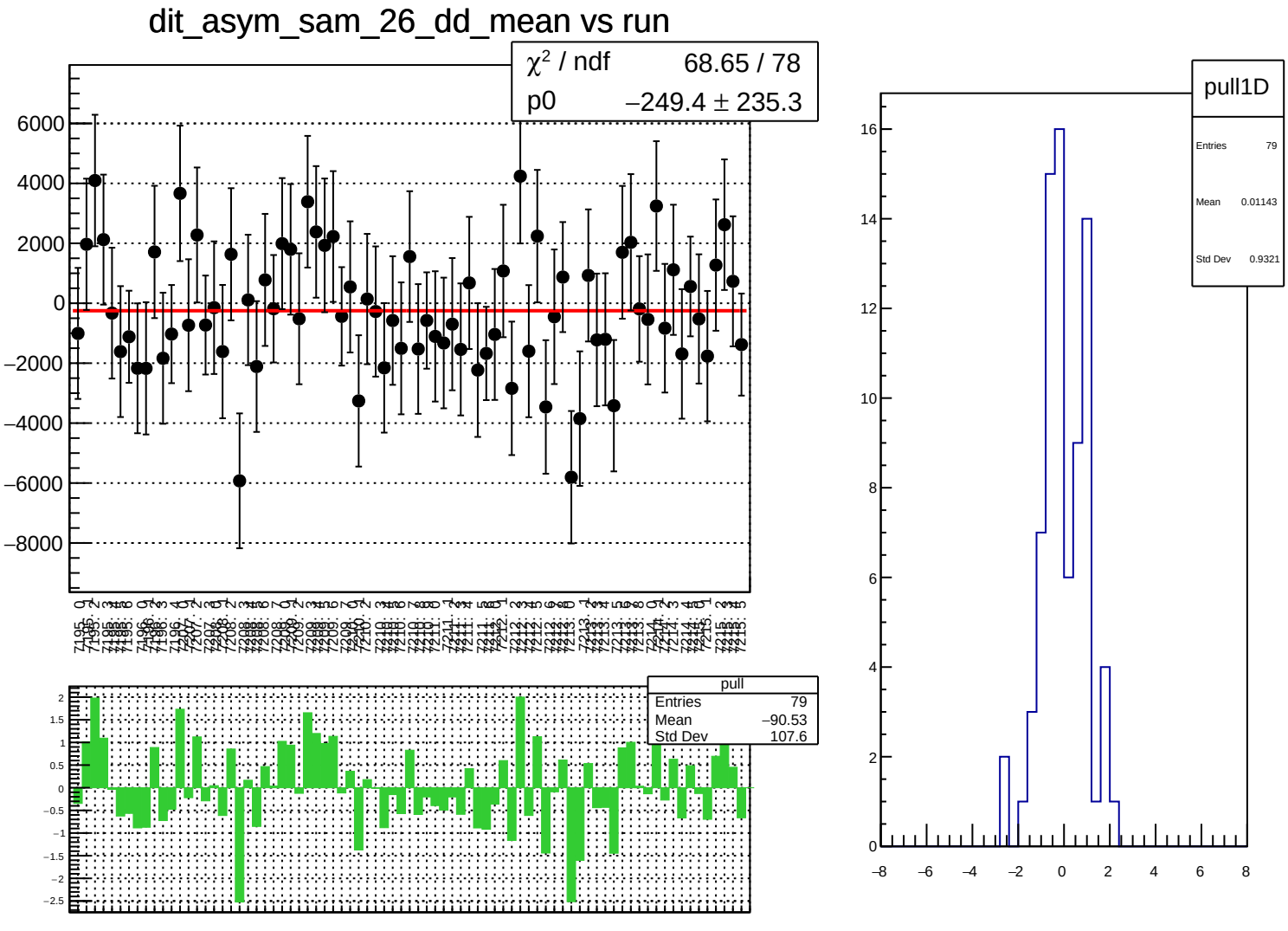

asym_sam_15_dd_correction_mean vs run
χ² / ndf 85.72 / 78
p0 −244 ± 758.2
pull
Entries 79
Mean 236
Std Dev 197.6
pull1D
Entries 79
Mean −0.01958
Std Dev 1.041

asym_sam_15_dd_correction_rms vs run

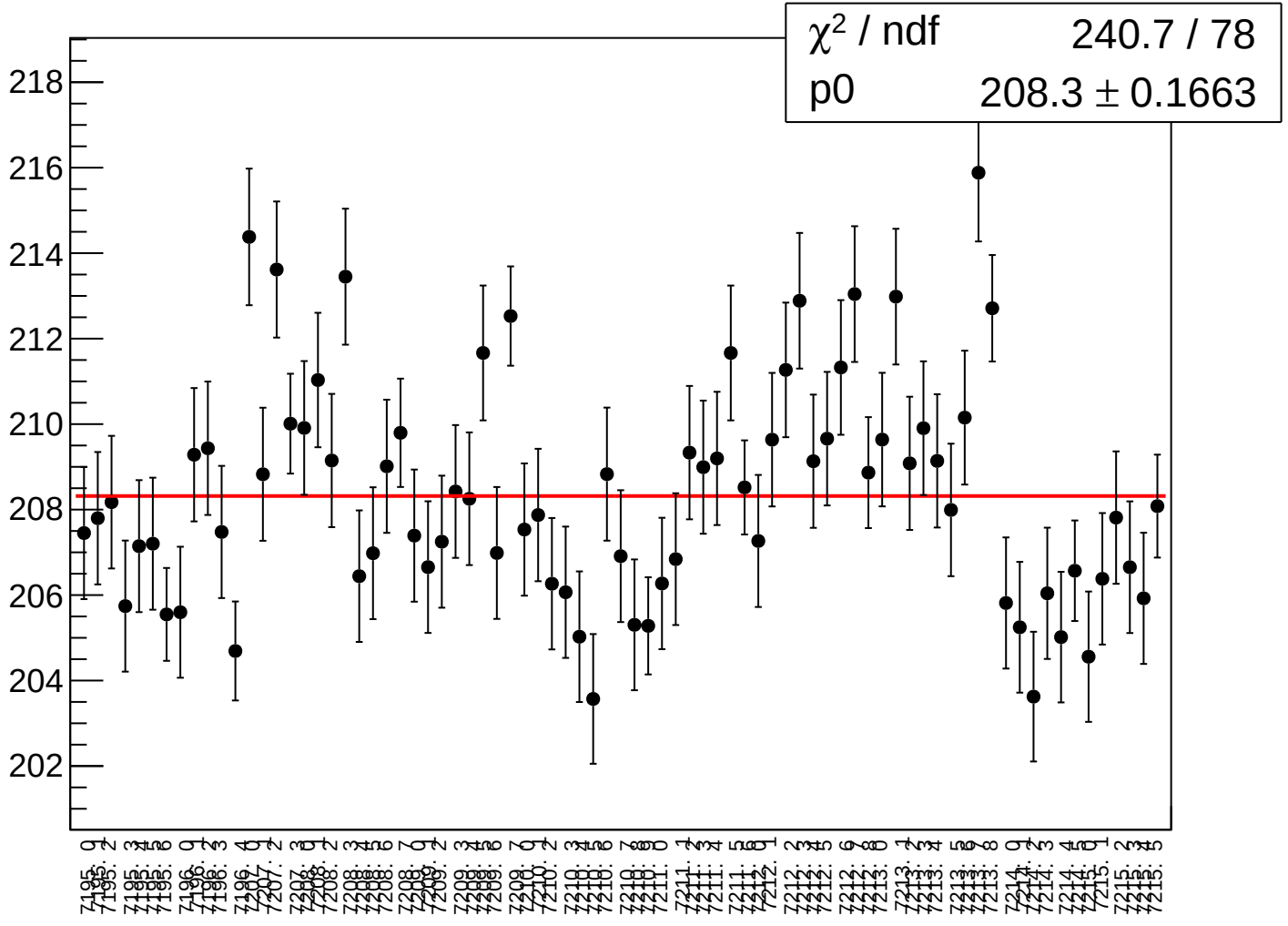


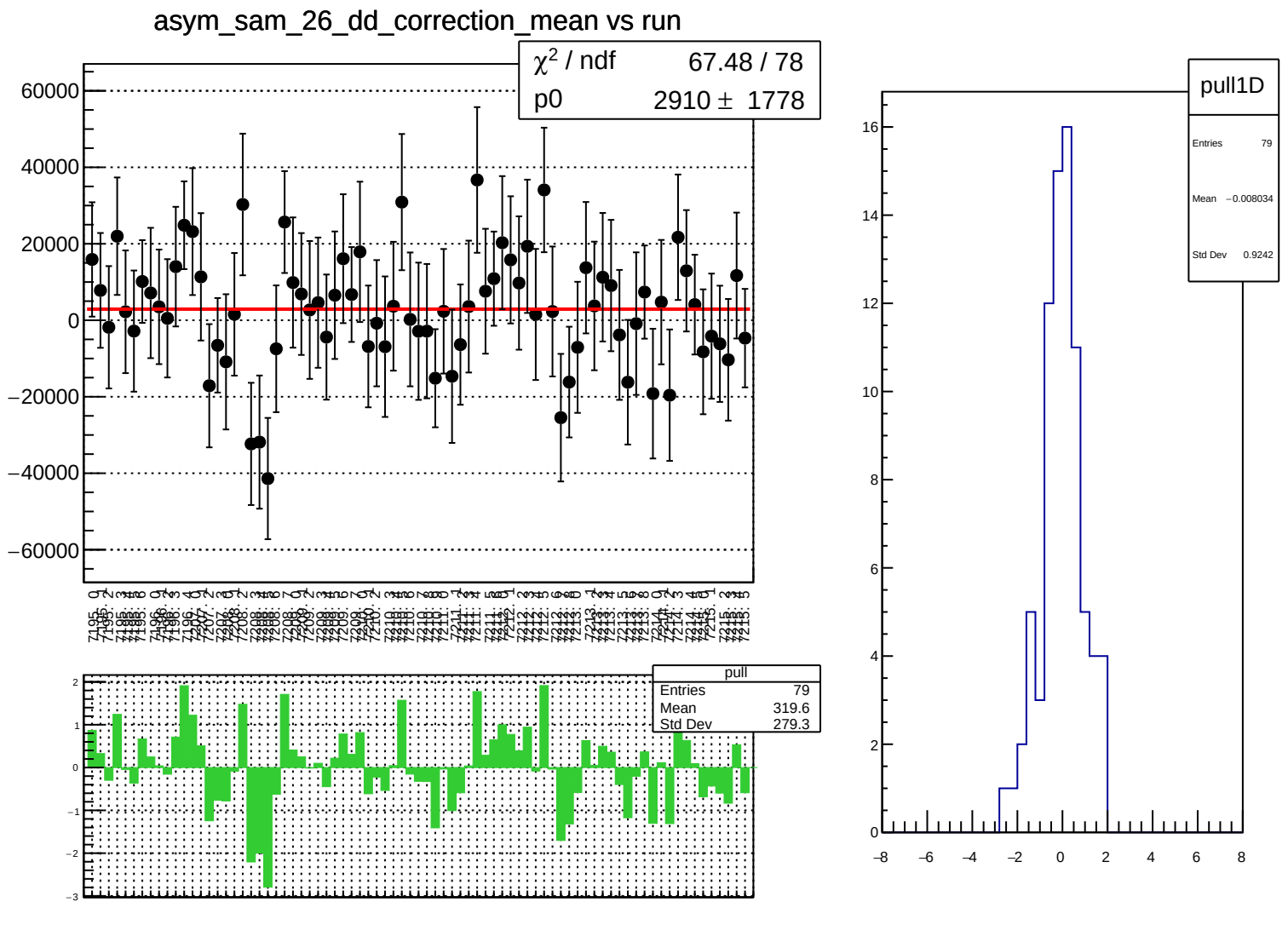

asym_sam_15_dd_mean vs run
χ² / ndf 83.46 / 78
p0 −29.67 ± 744.8
30000
20000
10000
0
−10000
−20000
pull
Entries 79
Mean 205.7
Std Dev 166.2
pull1D
Entries 79
Mean 0.02196
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_rms vs run
χ² / ndf 6876 / 78
p0 658.1 ± 0.5266
750
700
650
600
550

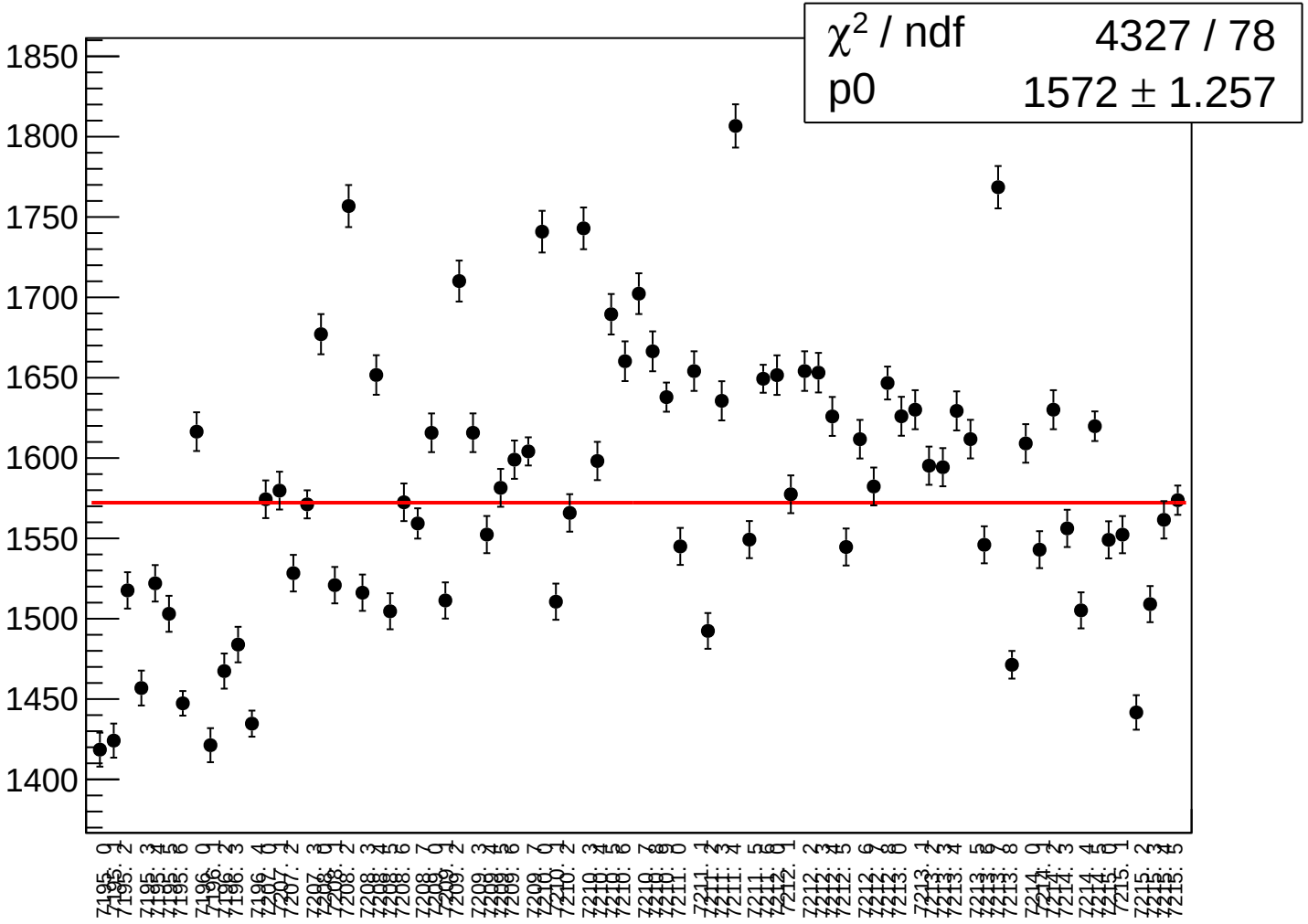

dit_asym_sam_26_dd_mean vs run
χ² / ndf 68.65 / 78
p0 −249.4 ± 235.3
pull
Entries 79
Mean −90.53
Std Dev 107.6
pull1D
Entries 79
Mean 0.01143
Std Dev 0.9321

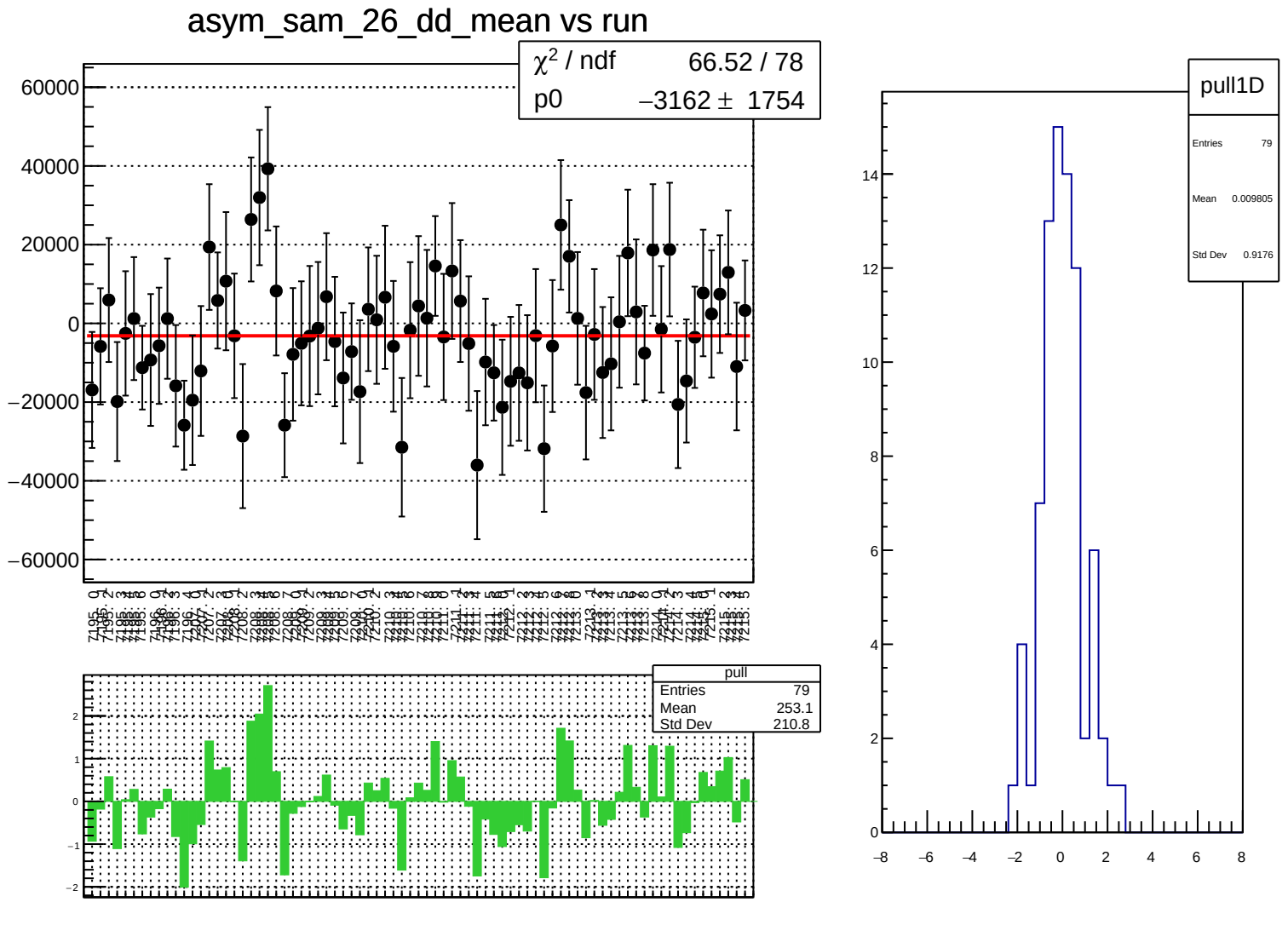
dit_asym_sam_26_dd_rms vs run

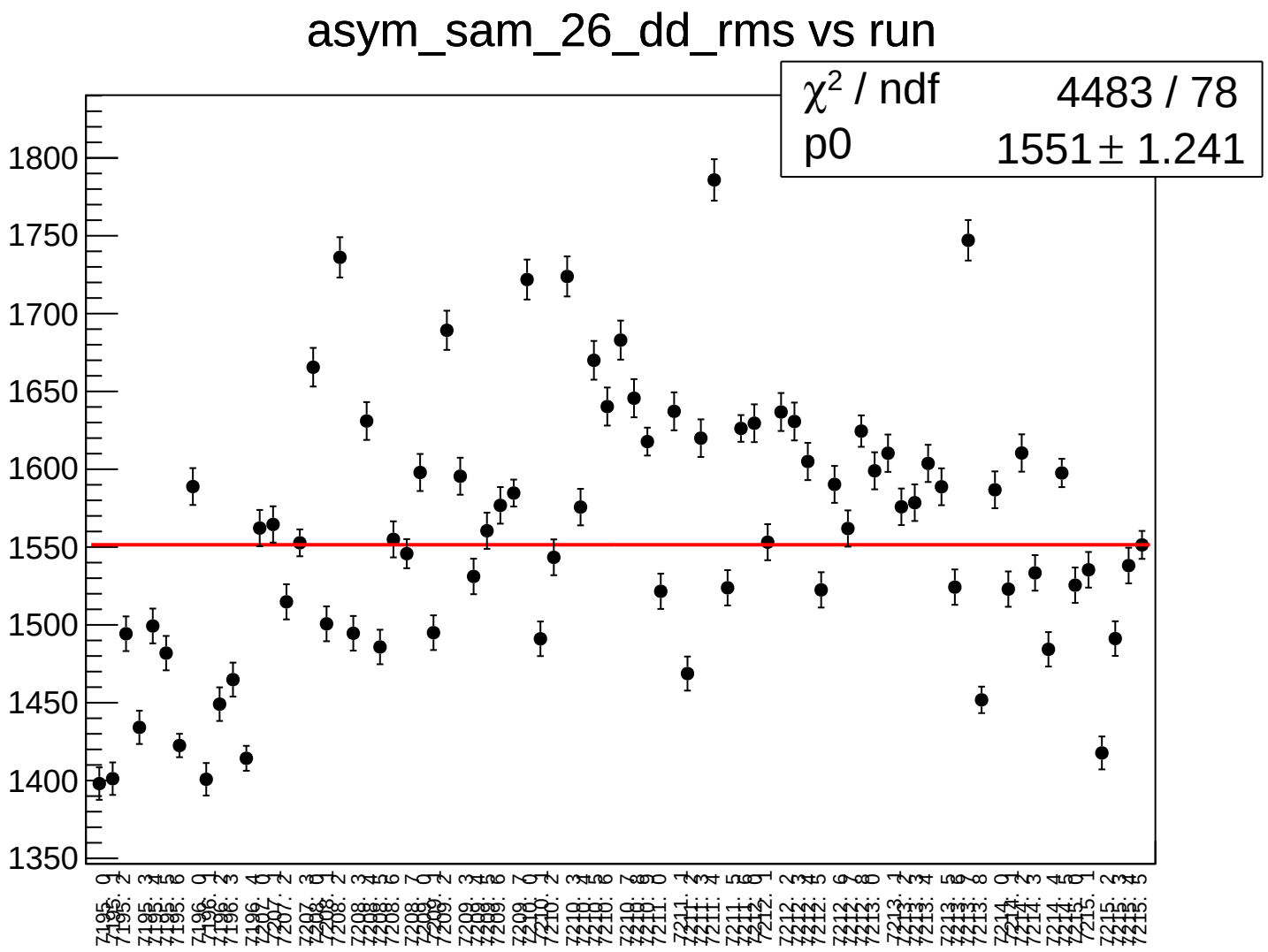


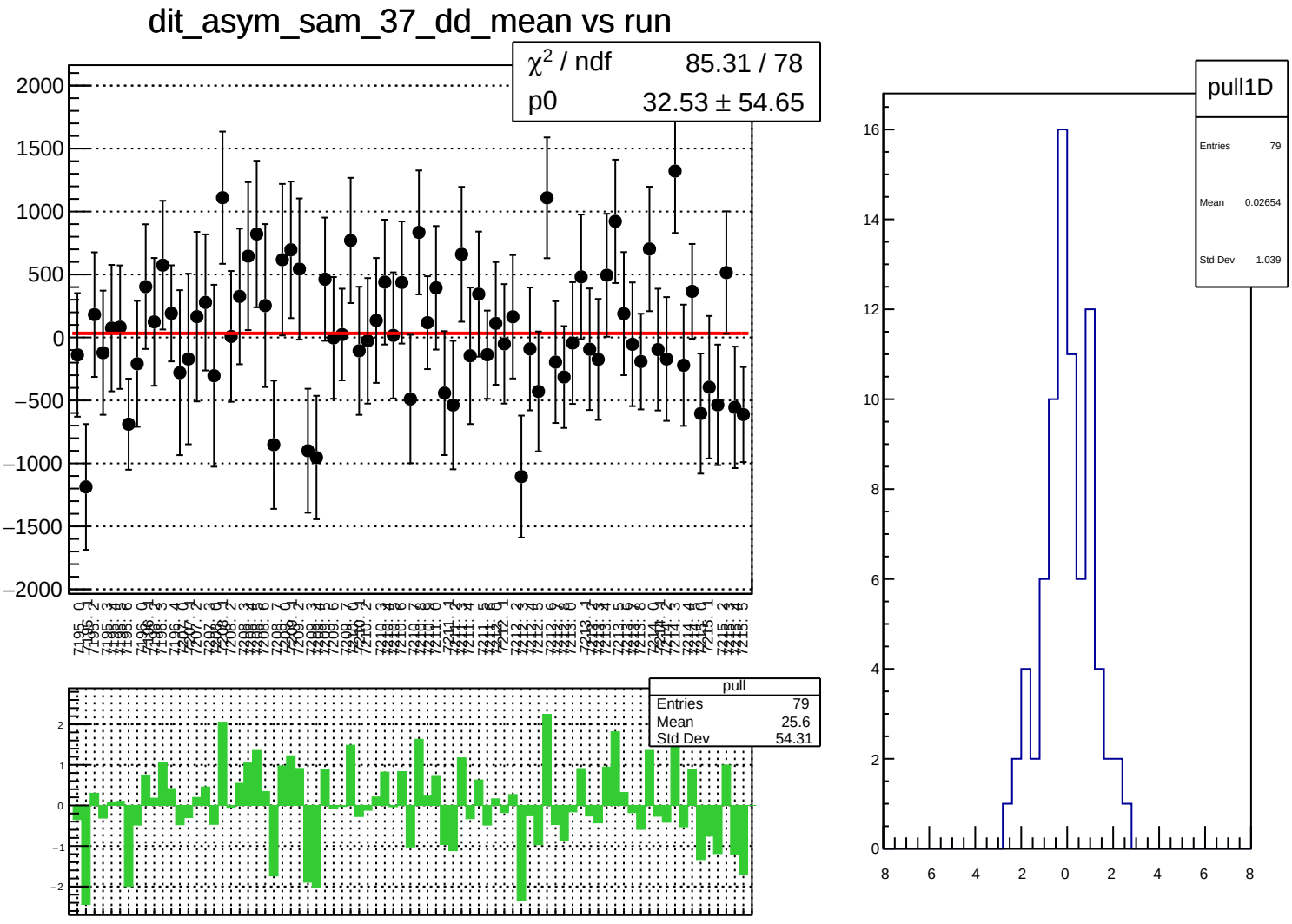

asym_sam_26_dd_correction_mean vs run
χ² / ndf 67.48 / 78
p0 2910 ± 1778
pull
Entries 79
Mean 319.6
Std Dev 279.3
pull1D
Entries 79
Mean −0.008034
Std Dev 0.9242

asym_sam_26_dd_correction_rms vs run

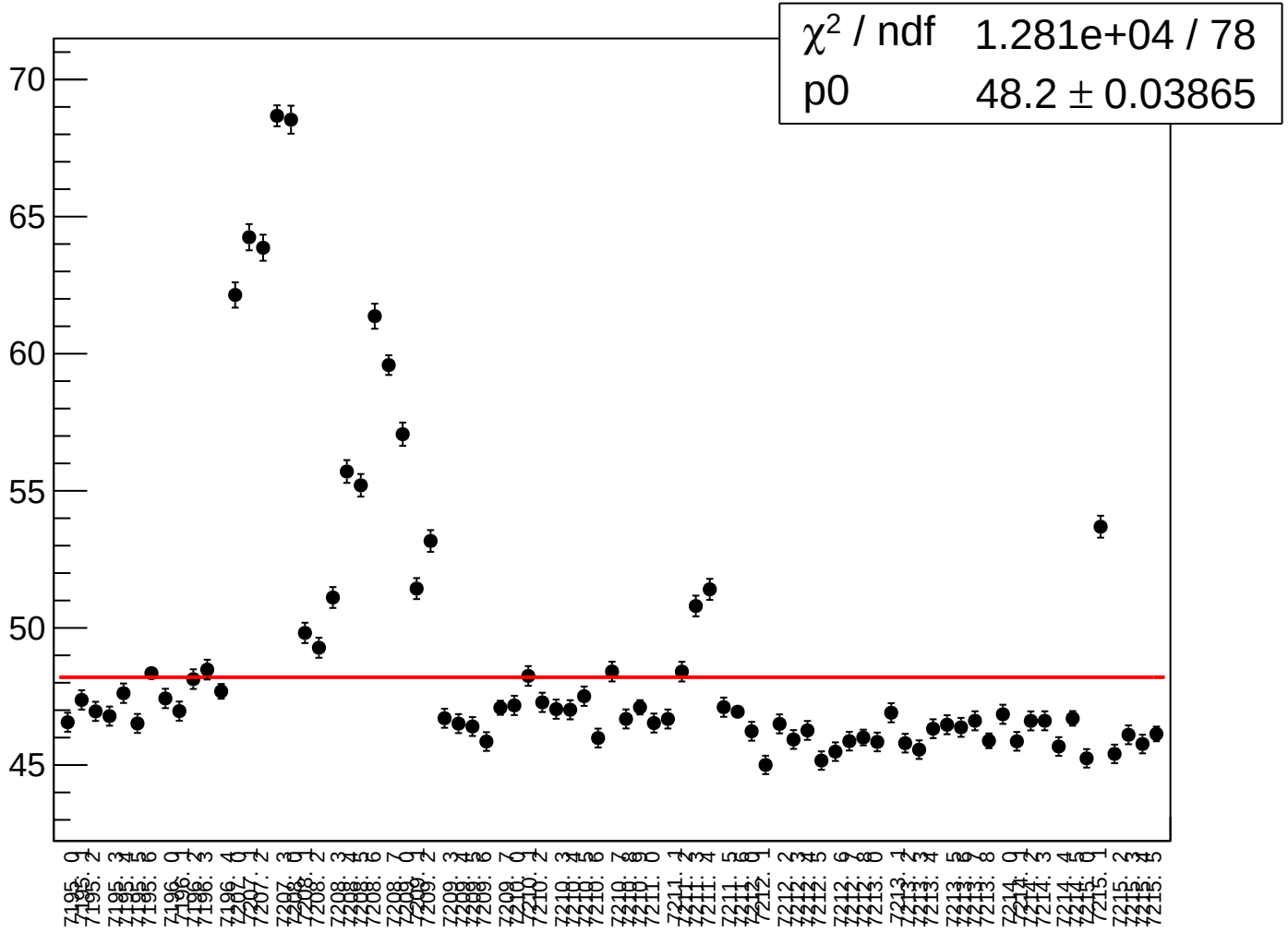


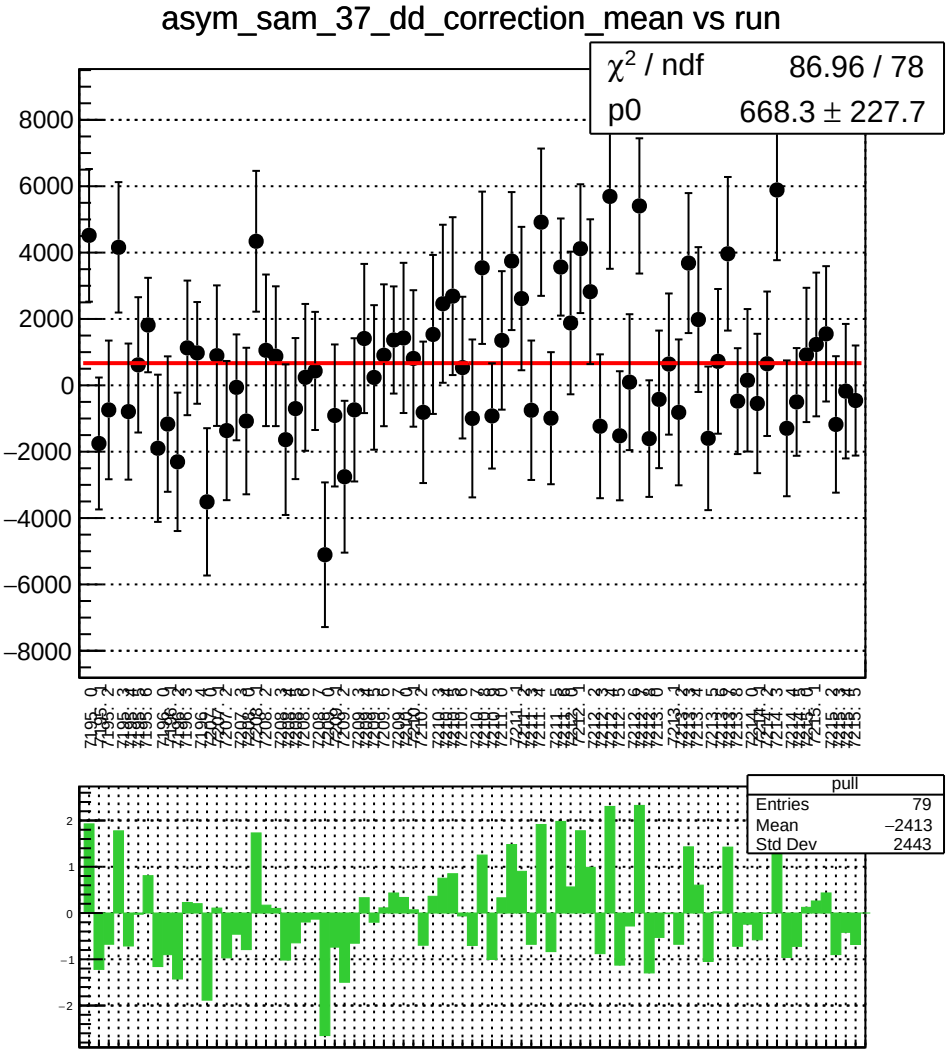

asym_sam_26_dd_mean vs run
χ² / ndf 66.52 / 78
p0 −3162 ± 1754
pull
Entries 79
Mean 253.1
Std Dev 210.8
pull1D
Entries 79
Mean 0.009805
Std Dev 0.9176

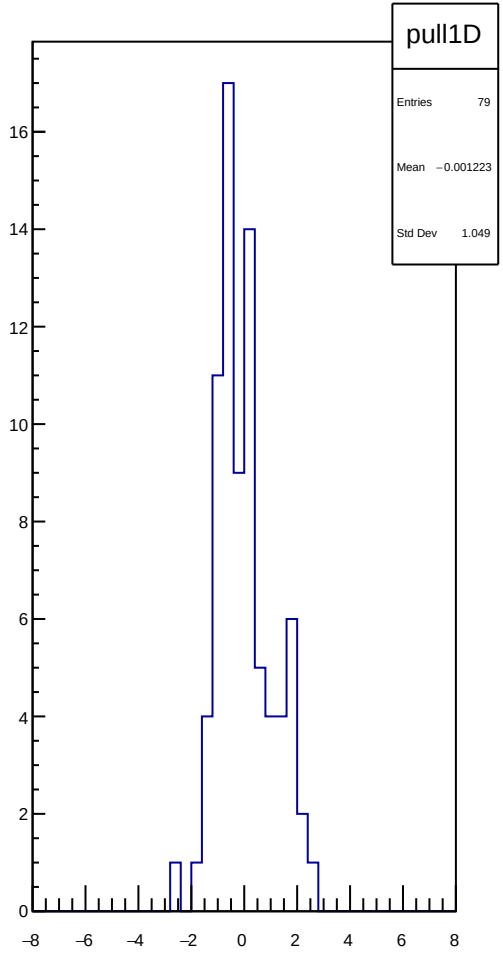

asym_sam_26_dd_rms vs run
χ² / ndf 4483 / 78
p0 1551 ± 1.241
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350


dit_asym_sam_37_dd_mean vs run
χ² / ndf 85.31 / 78
p0 32.53 ± 54.65
pull
Entries 79
Mean 25.6
Std Dev 54.31
pull1D
Entries 79
Mean 0.02654
Std Dev 1.039

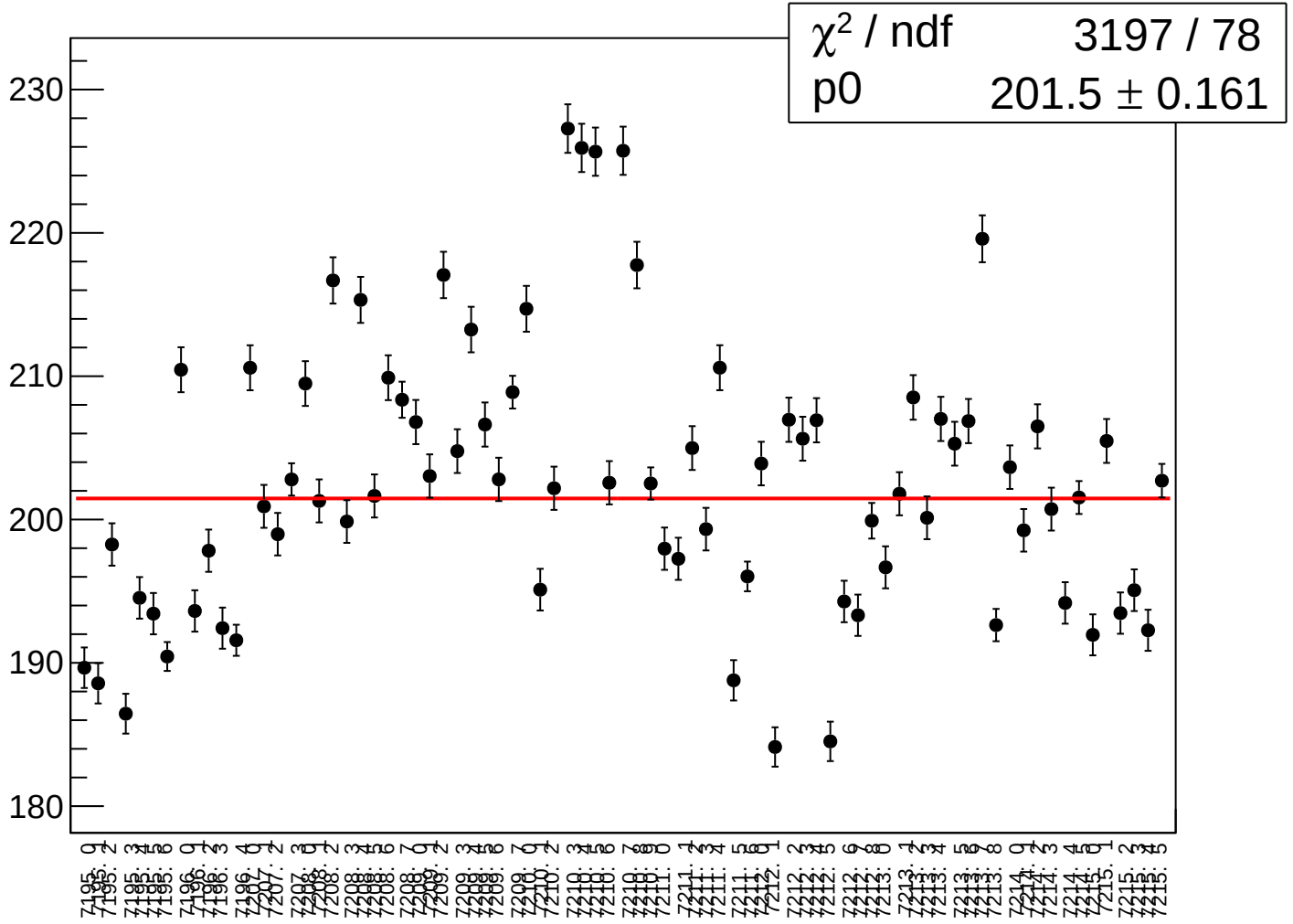
dit_asym_sam_37_dd_rms vs run

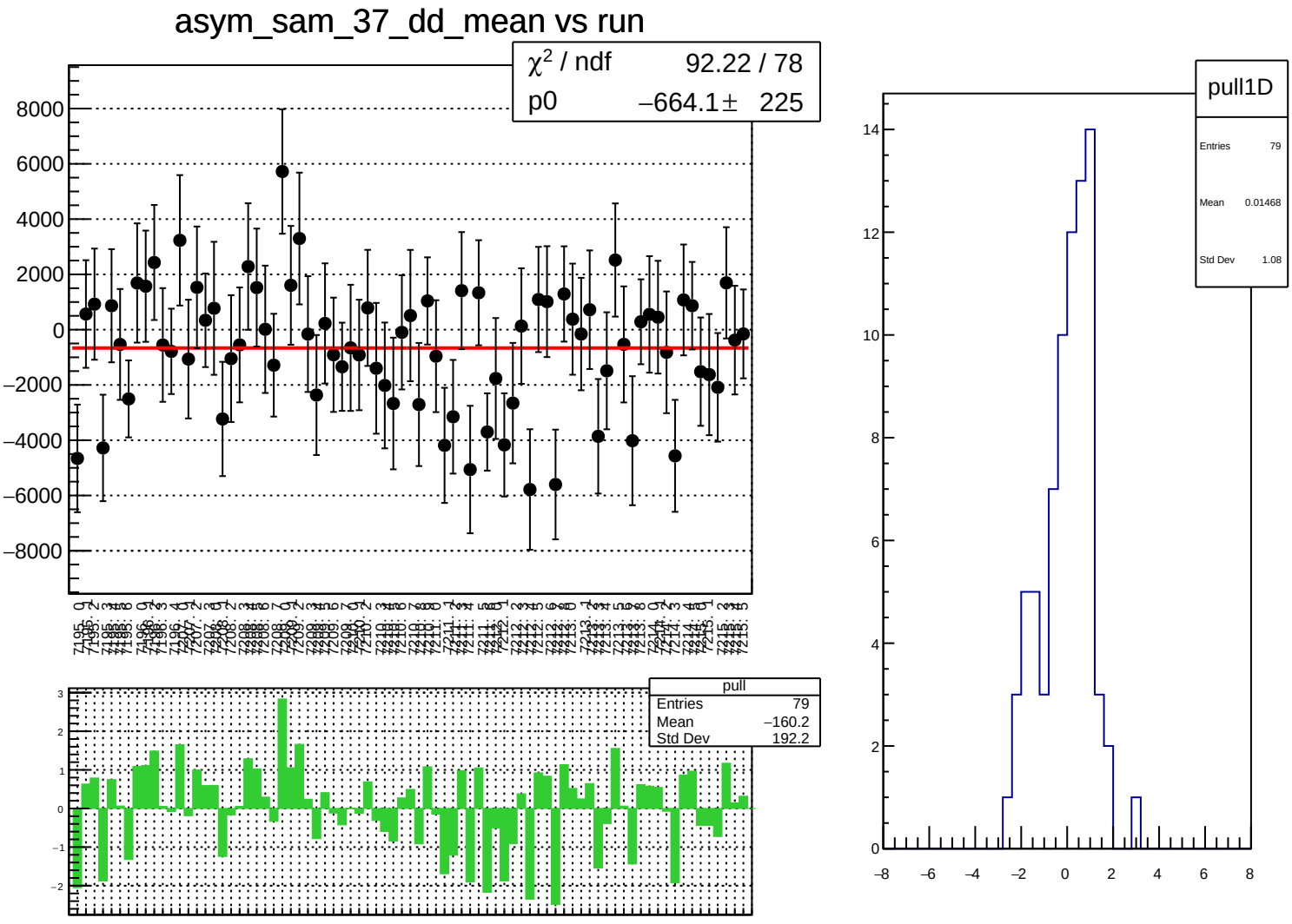



asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 86.96 / 78
p0 668.3 ± 227.7
pull
Entries 79
Mean −2413
Std Dev 2443

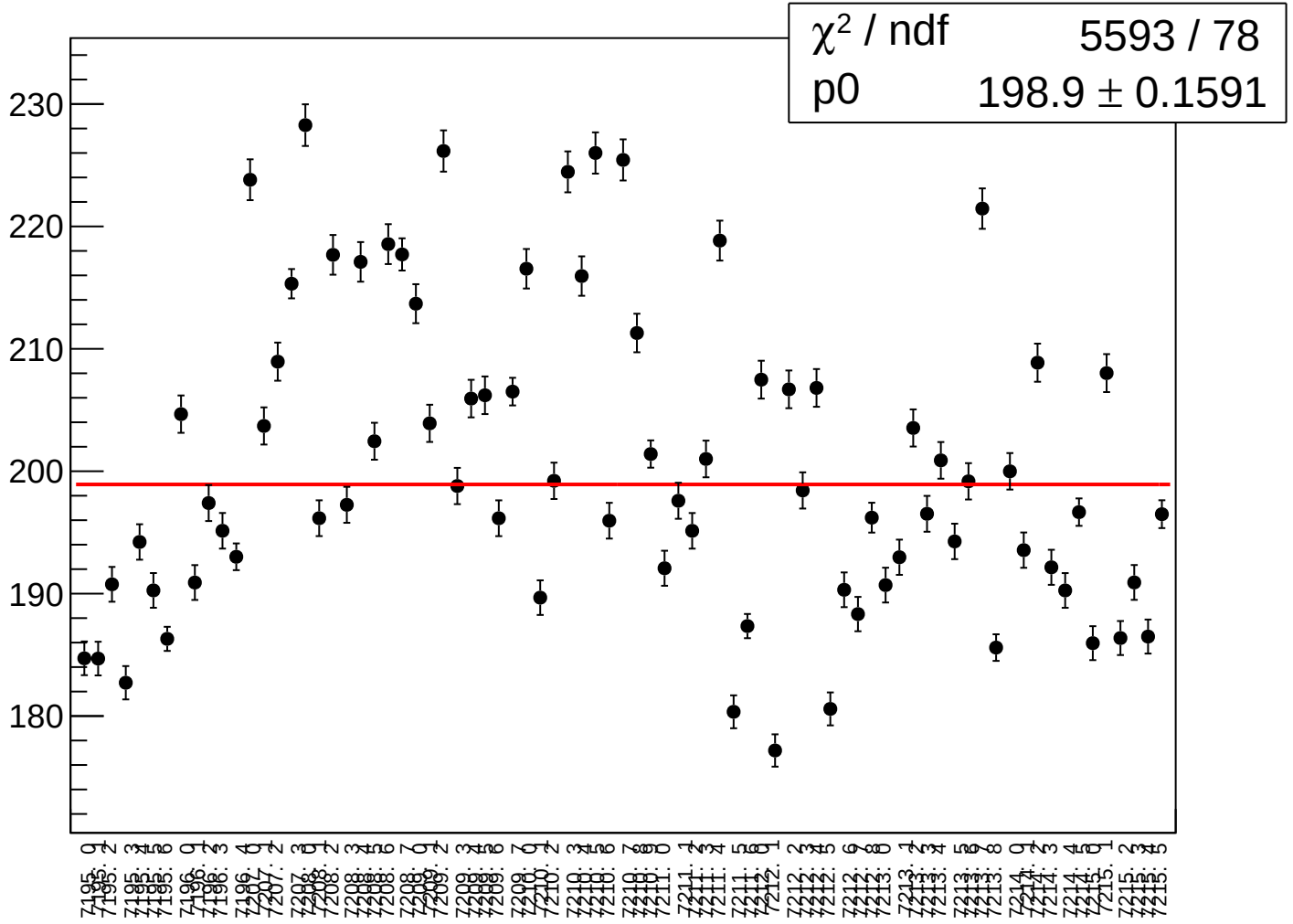

pull1D
Entries 79
Mean −0.001223
Std Dev 1.049

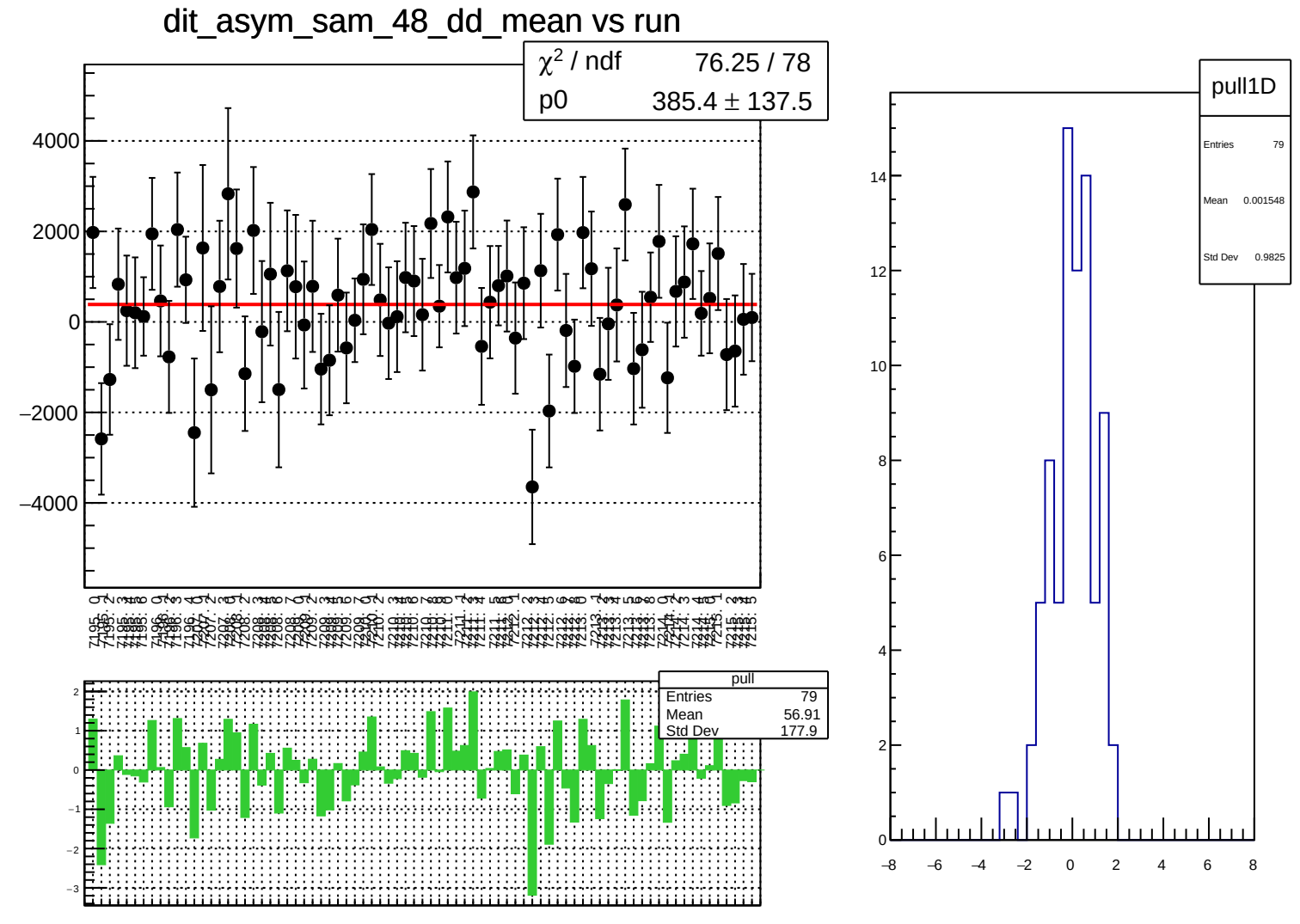
asym_sam_37_dd_correction_rms vs run

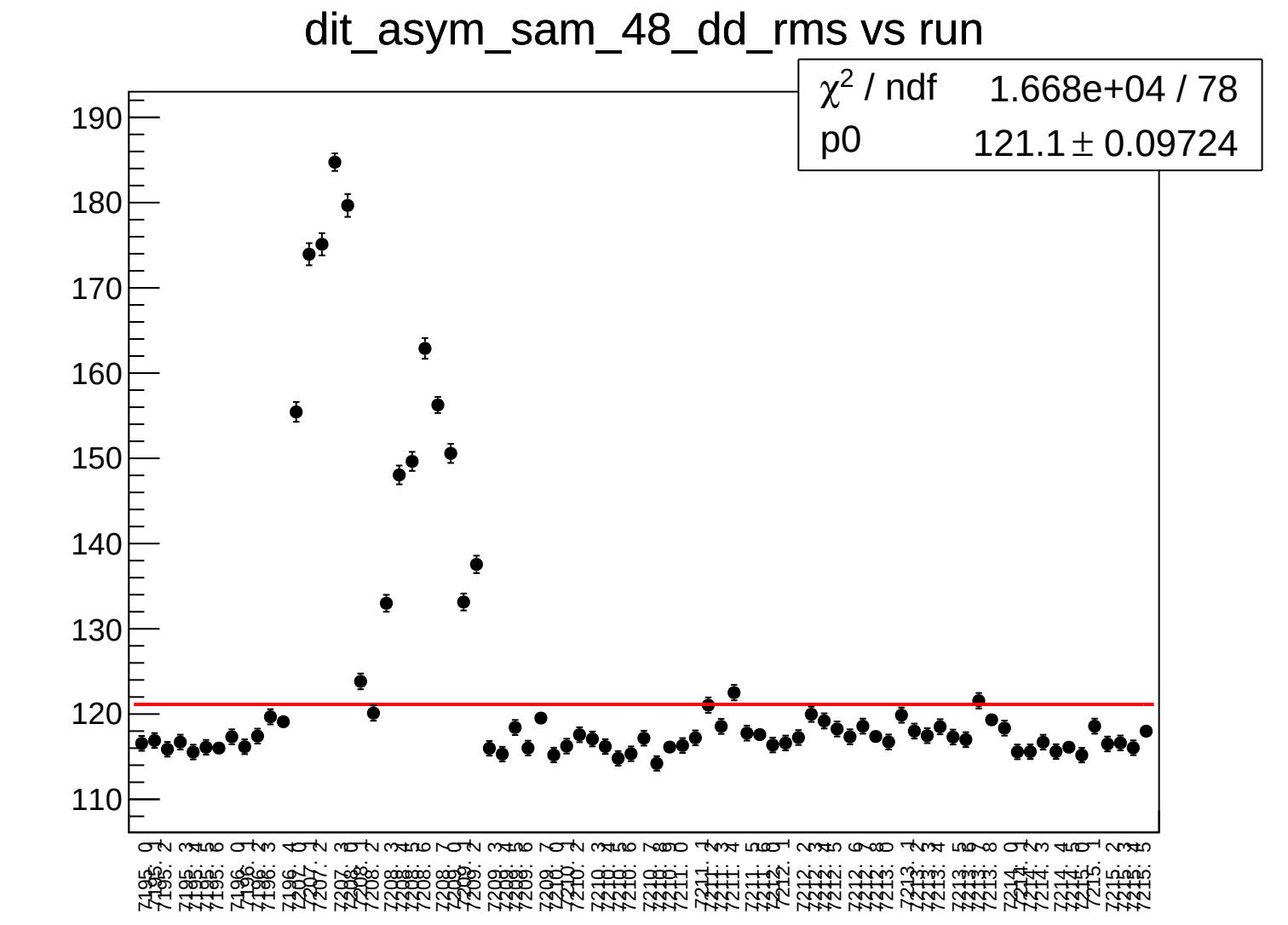


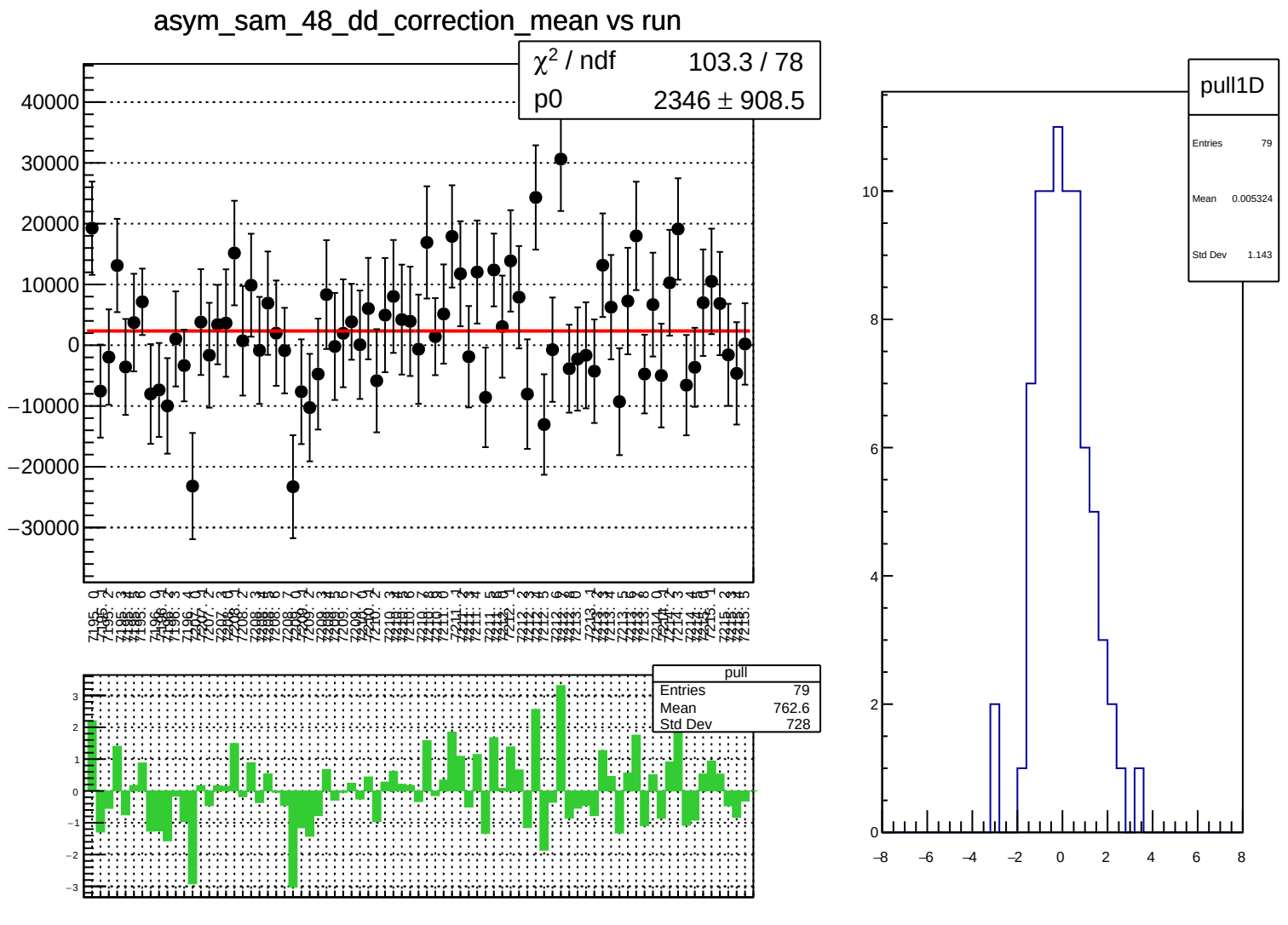

asym_sam_37_dd_mean vs run
χ² / ndf 92.22 / 78
p0 −664.1 ± 225
pull
Entries 79
Mean −160.2
Std Dev 192.2
pull1D
Entries 79
Mean 0.01468
Std Dev 1.08

asym_sam_37_dd_rms vs run

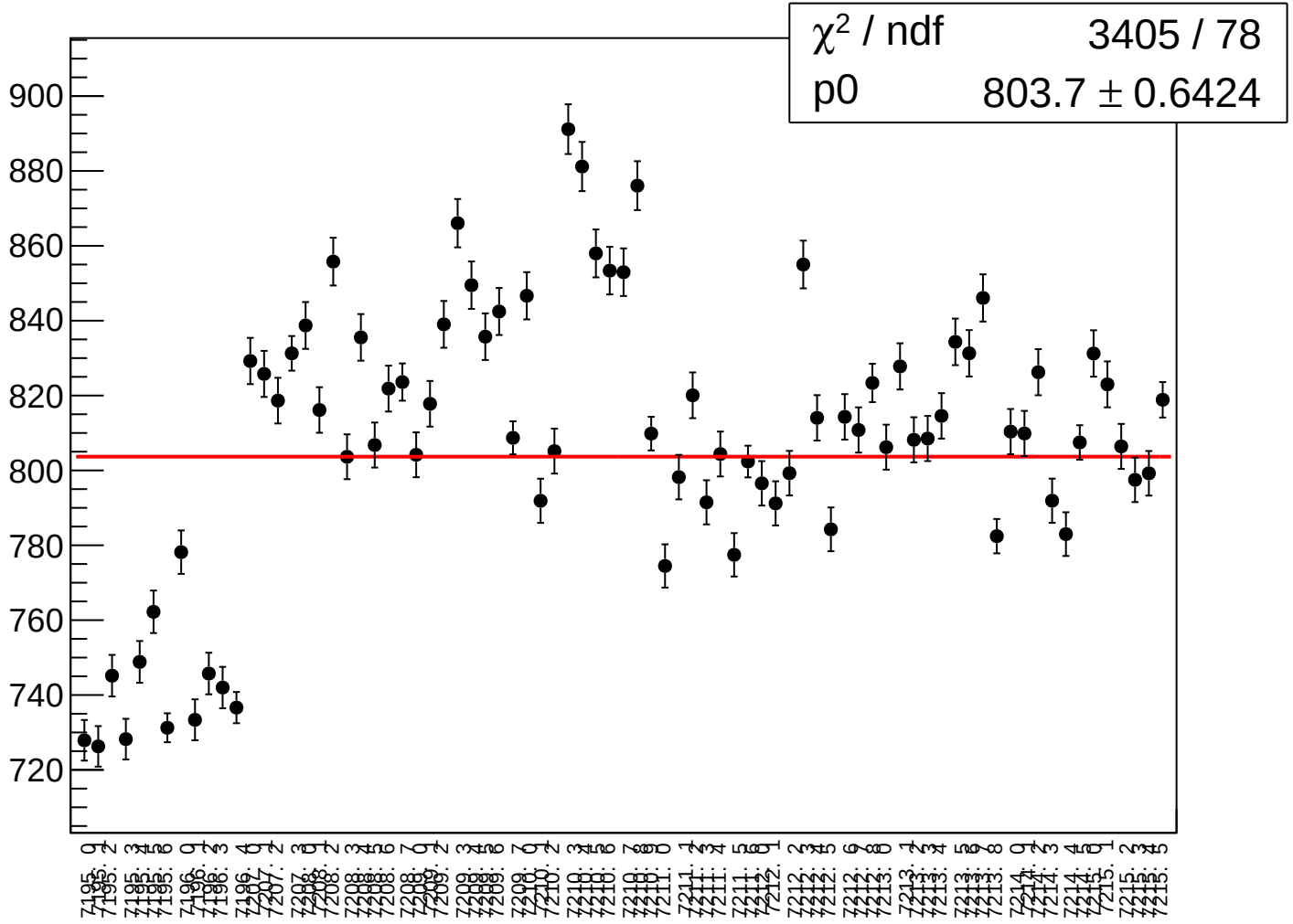


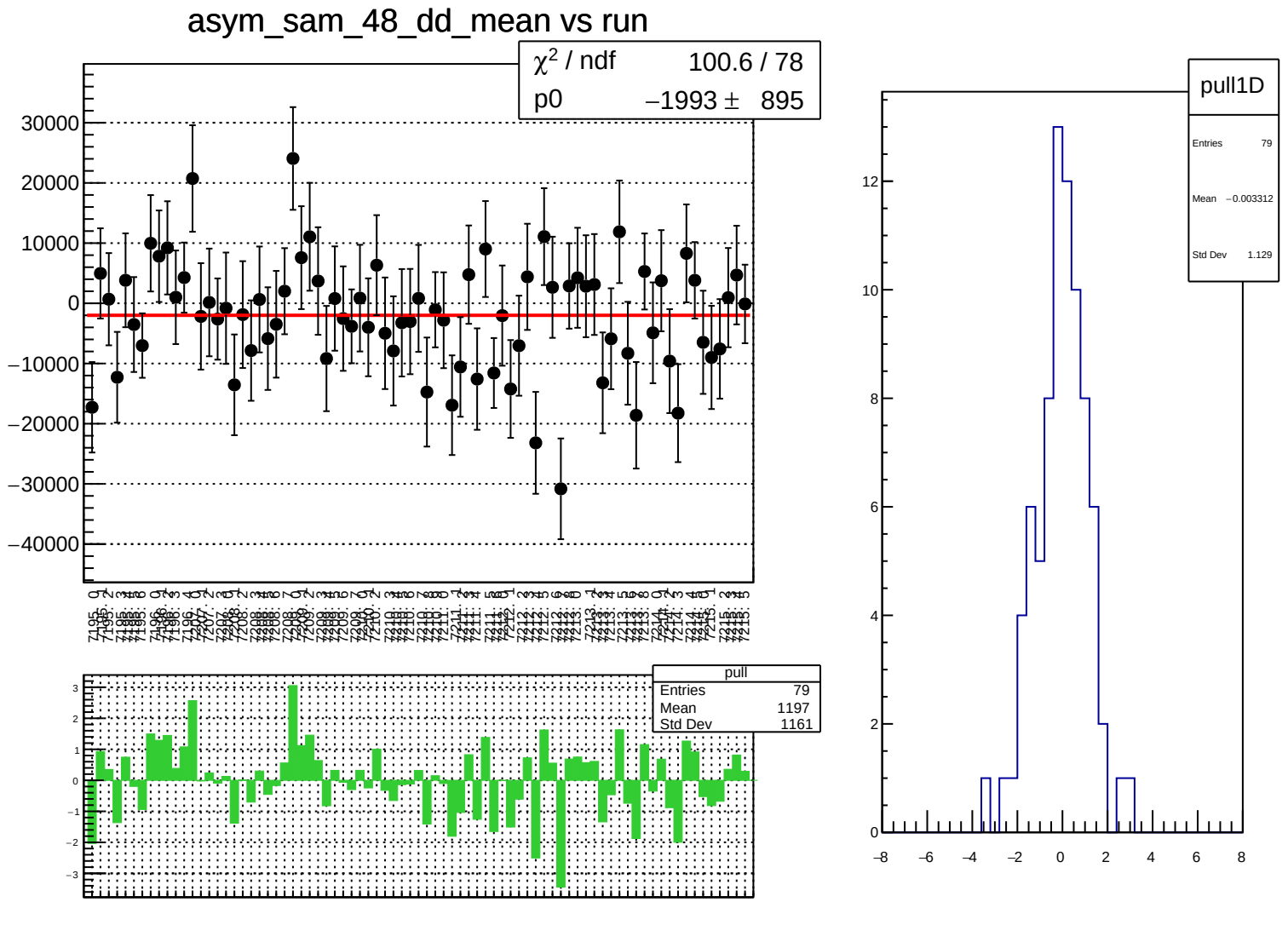

dit_asym_sam_48_dd_mean vs run
χ² / ndf 76.25 / 78
p0 385.4 ± 137.5
4000
2000
0
−2000
−4000
pull
Entries 79
Mean 56.91
Std Dev 177.9
pull1D
Entries 79
Mean 0.001548
Std Dev 0.9825

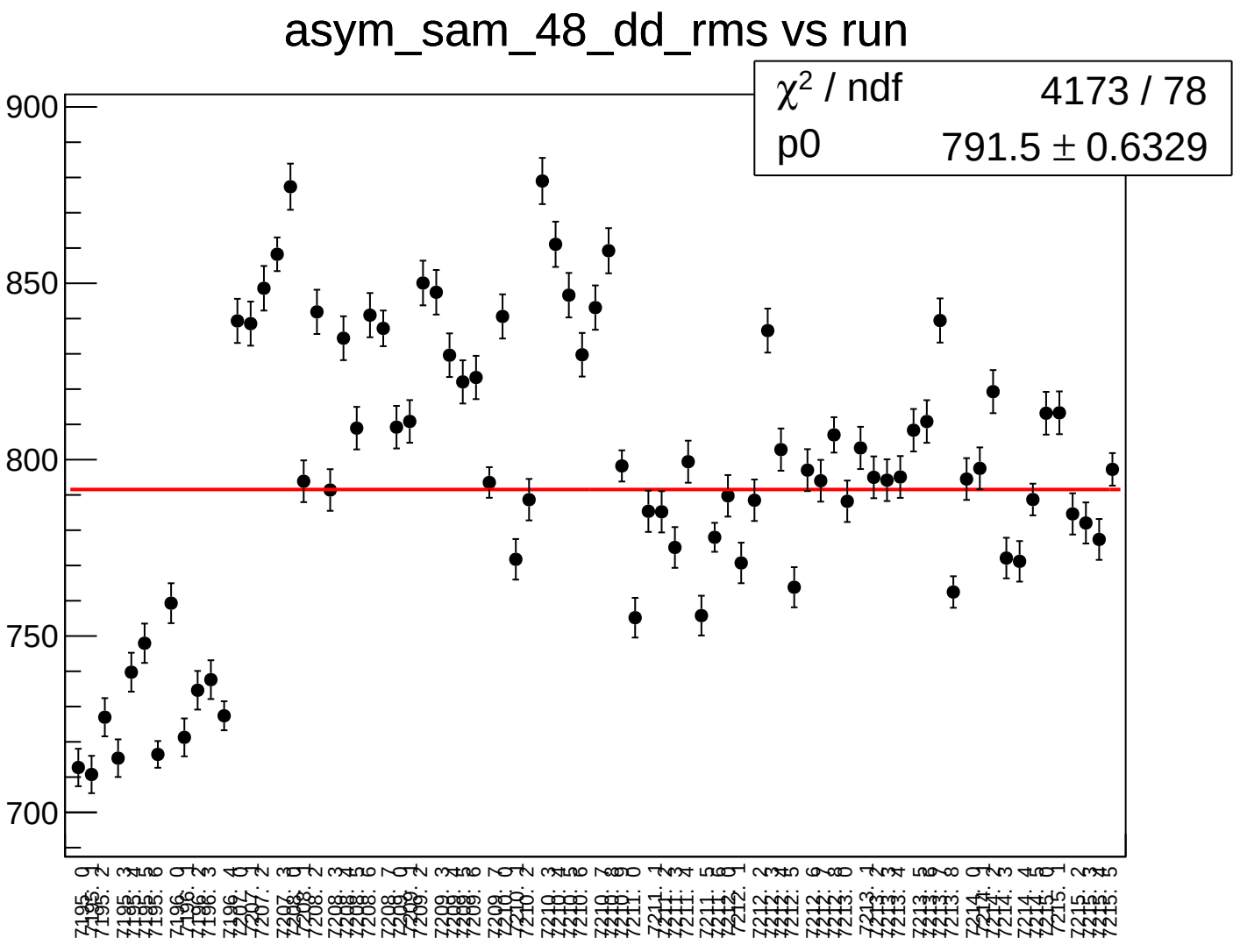

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1.668e+04 / 78
p0 121.1 ± 0.09724
190
180
170
160
150
140
130
120
110

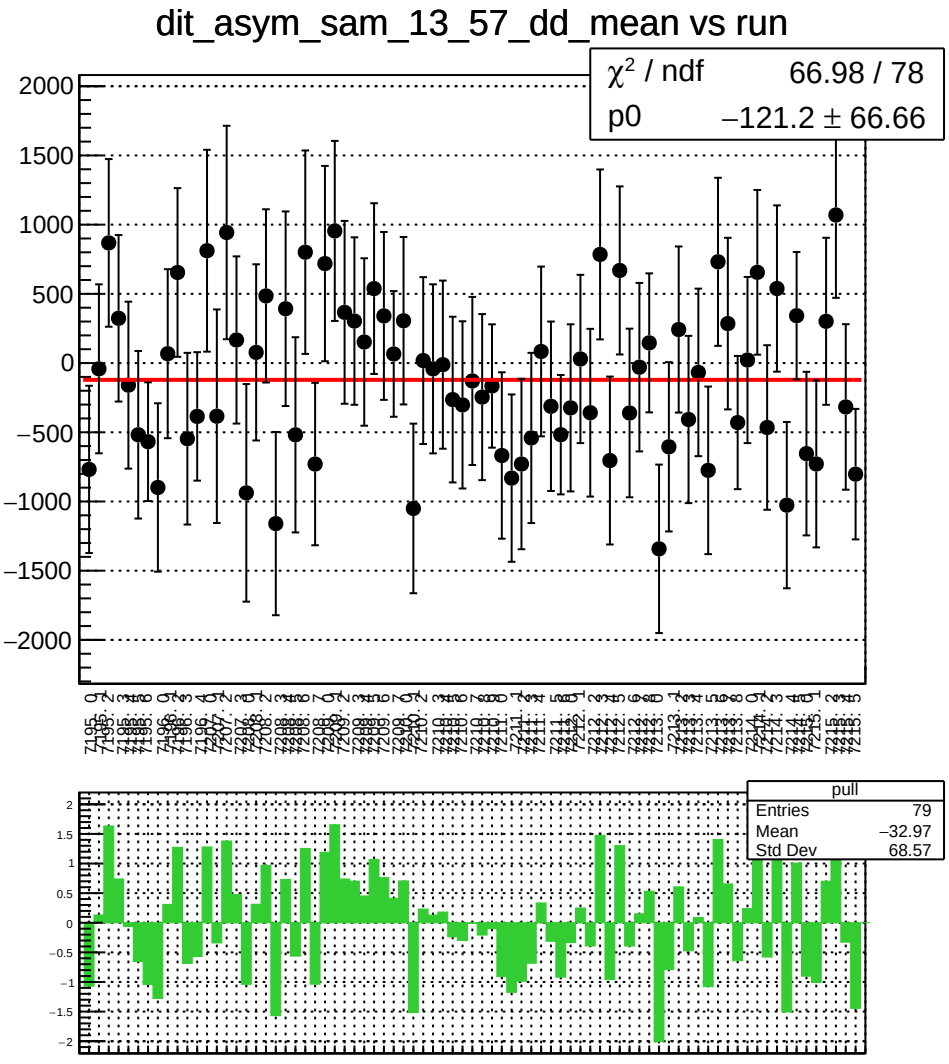

asym_sam_48_dd_correction_mean vs run
χ² / ndf 103.3 / 78
p0 2346 ± 908.5
pull
Entries 79
Mean 762.6
Std Dev 728
pull1D
Entries 79
Mean 0.005324
Std Dev 1.143

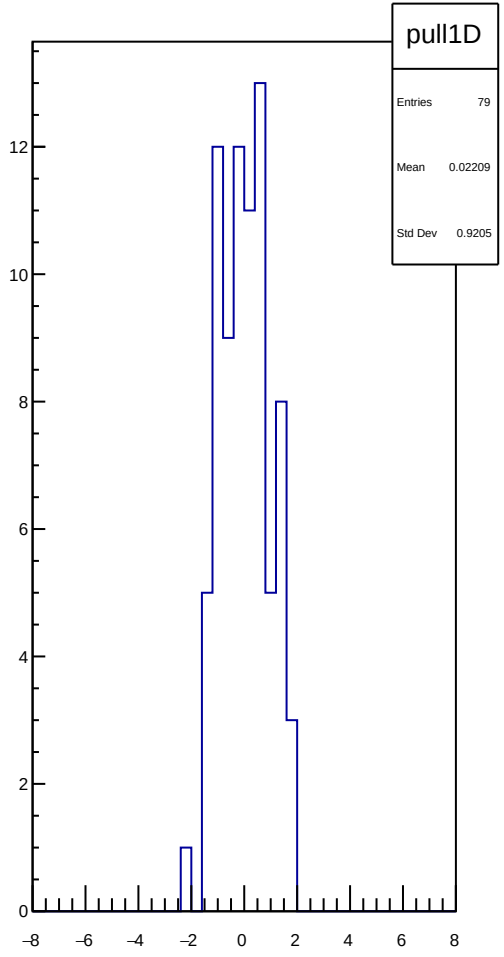
asym_sam_48_dd_correction_rms vs run

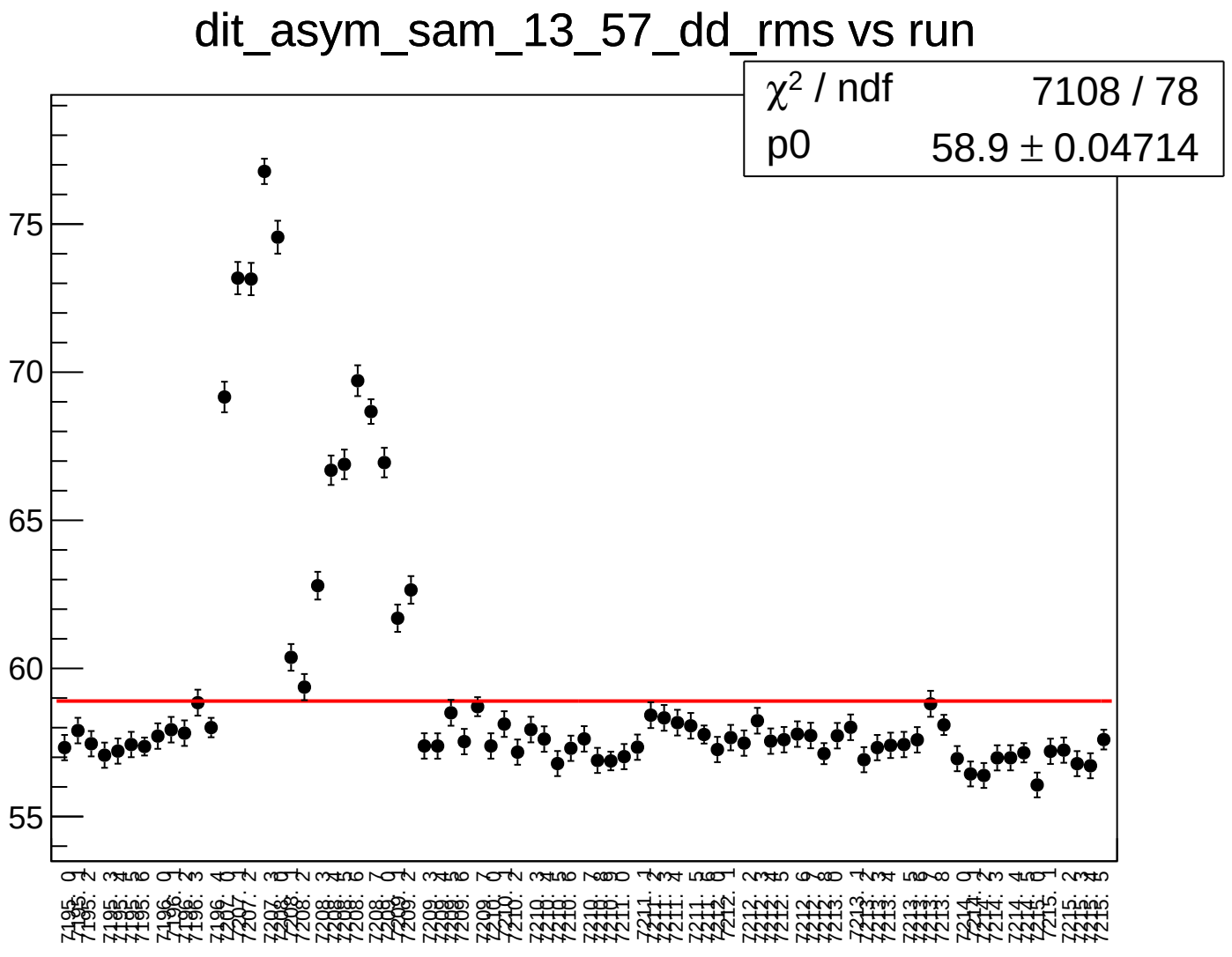


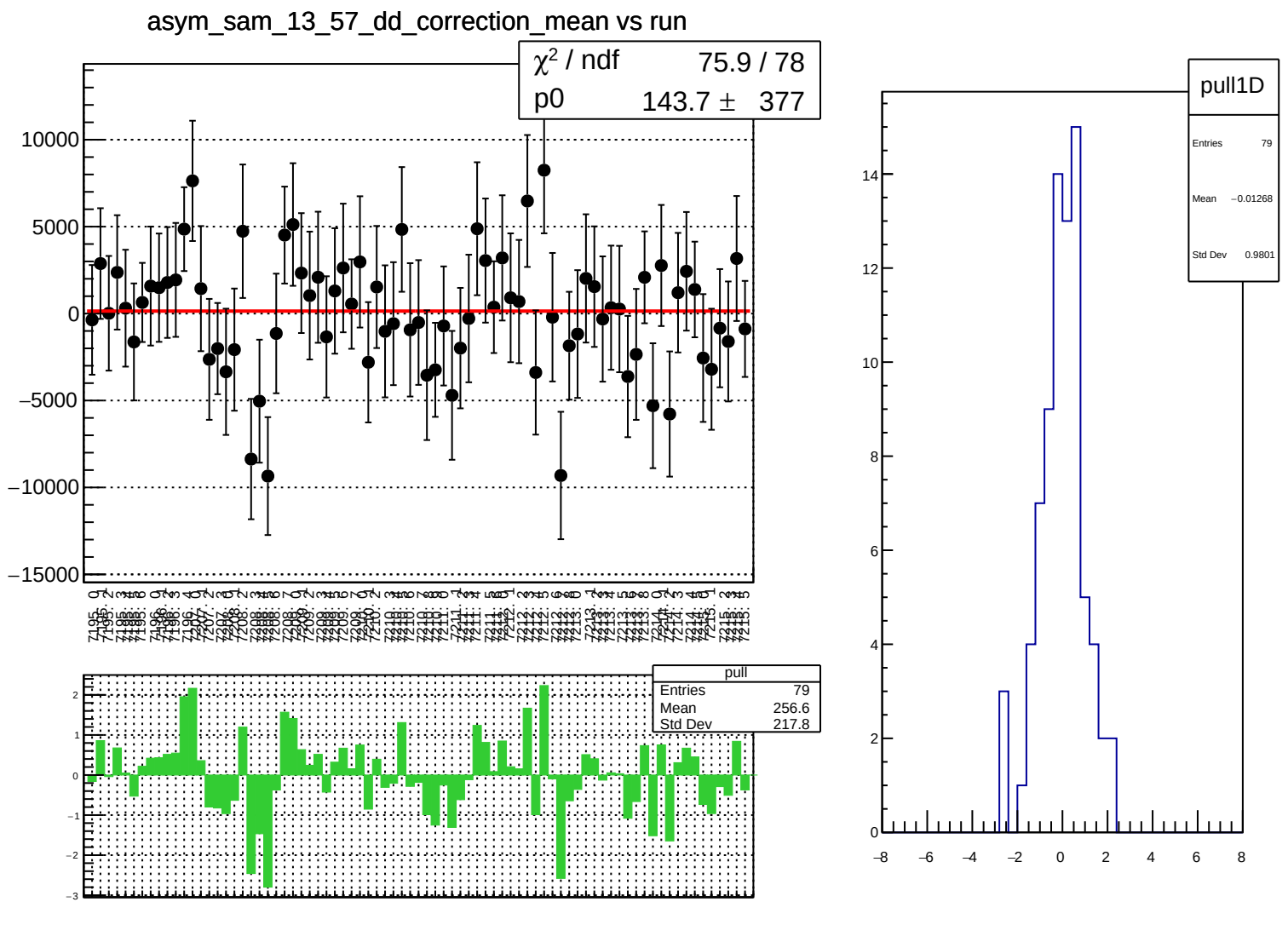

asym_sam_48_dd_mean vs run
χ² / ndf 100.6 / 78
p0 −1993 ± 895
pull
Entries 79
Mean 1197
Std Dev 1161
pull1D
Entries 79
Mean −0.003312
Std Dev 1.129

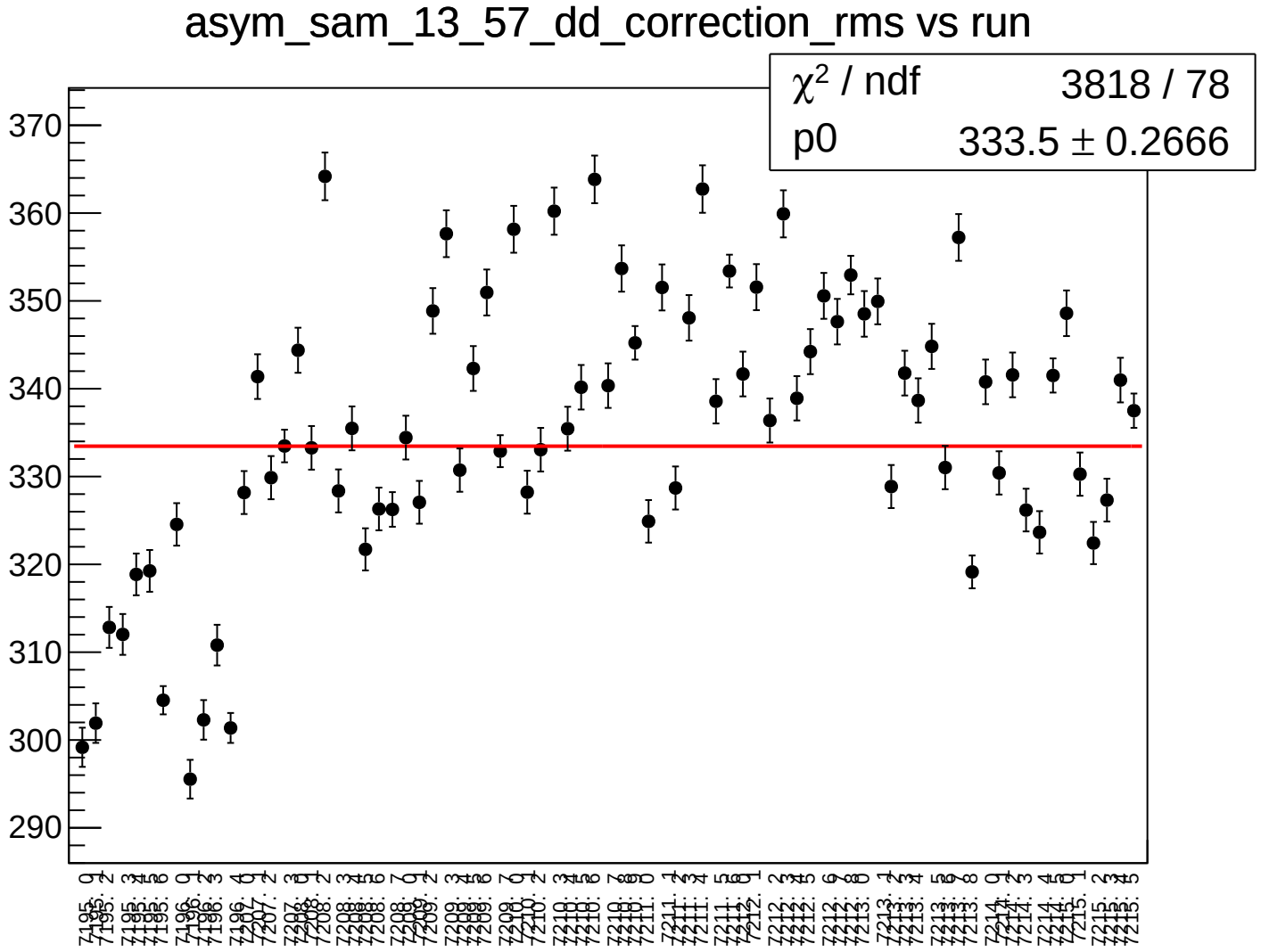

asym_sam_48_dd_rms vs run
χ^2 / ndf 4173 / 78
p0 791.5 ± 0.6329
900
850
800
750
700

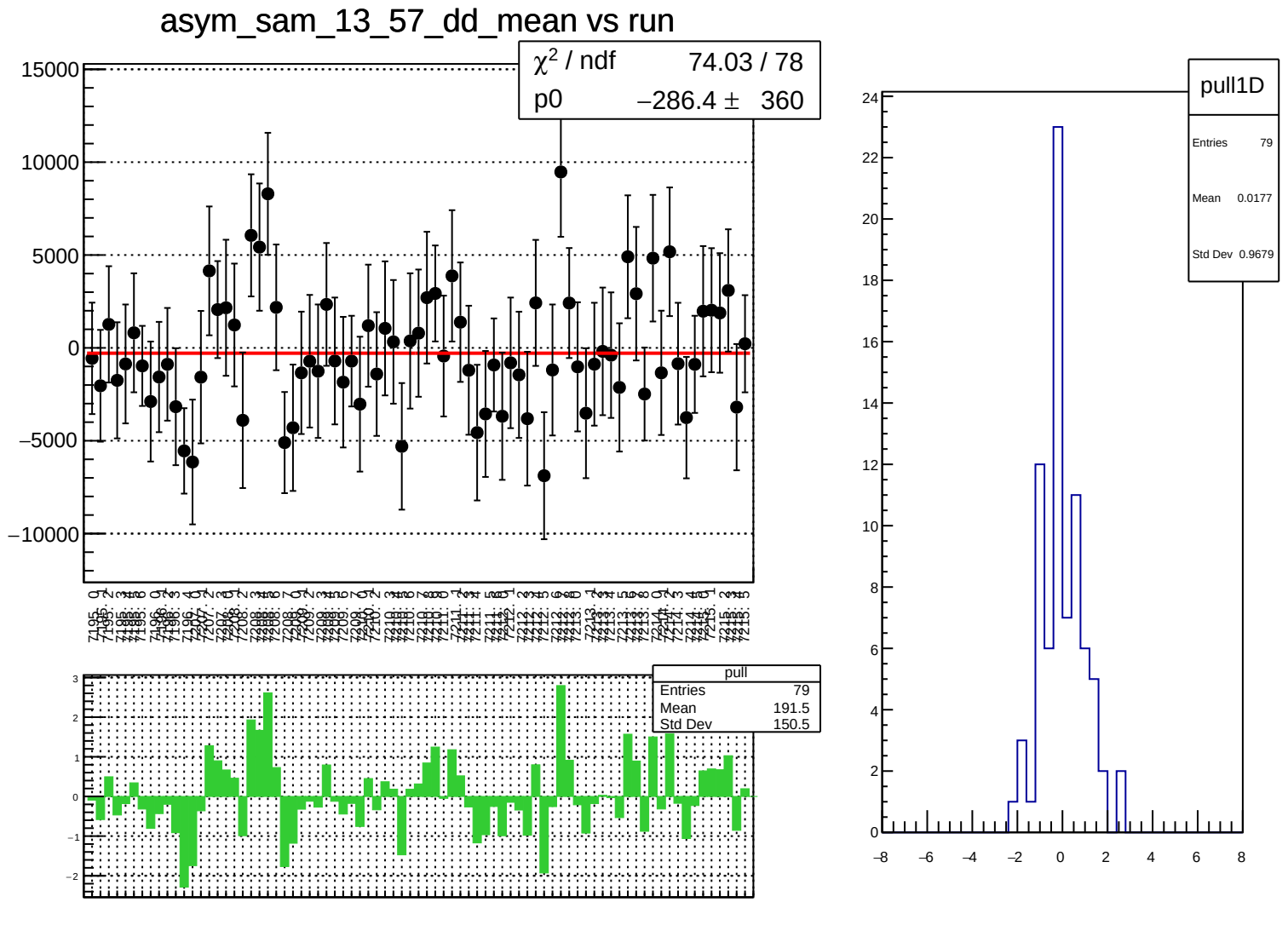

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 66.98 / 78
p0 −121.2 ± 66.66
pull
Entries 79
Mean −32.97
Std Dev 68.57


pull1D
Entries 79
Mean 0.02209
Std Dev 0.9205

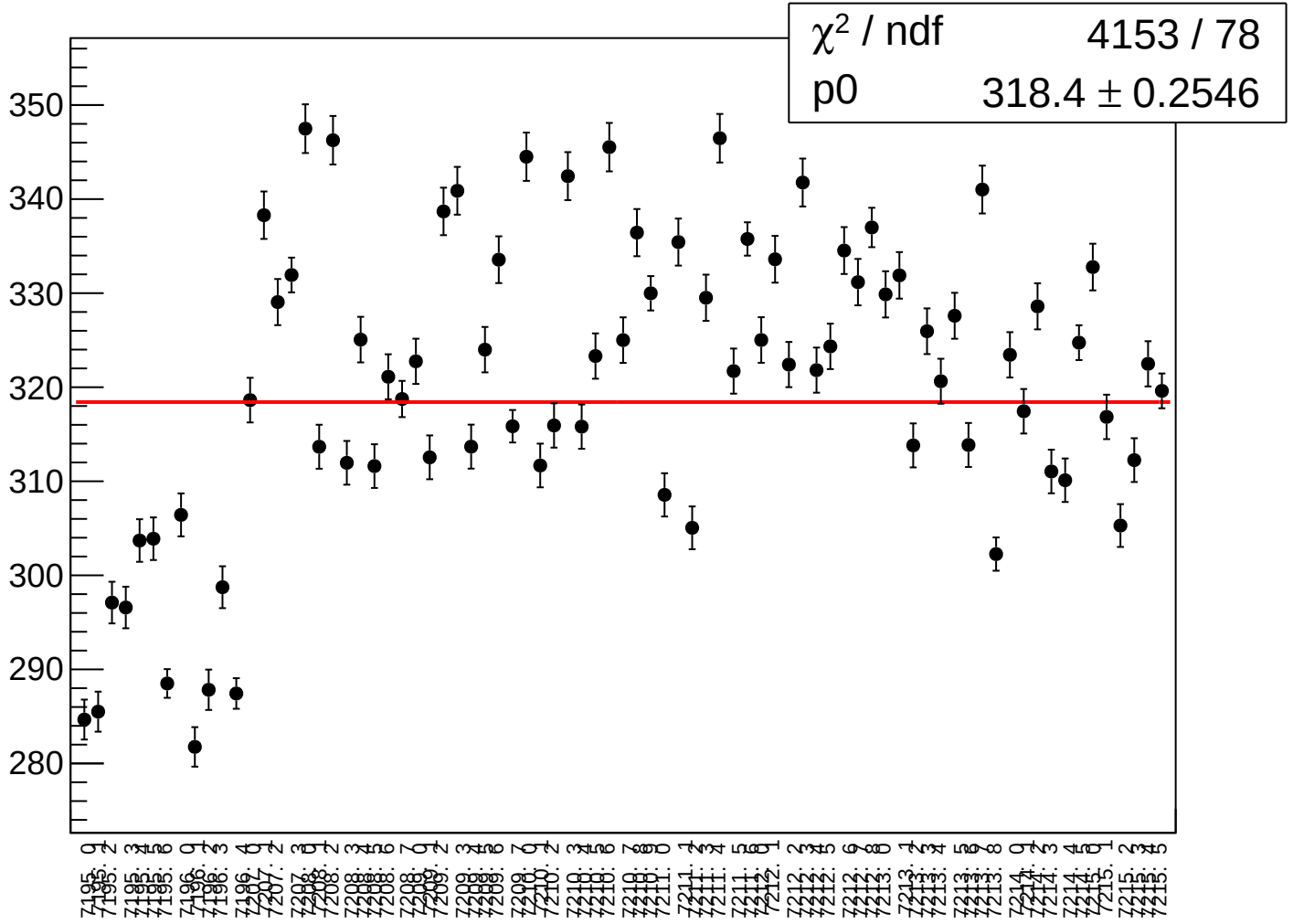

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 7108 / 78
p0 58.9 ± 0.04714
75
70
65
60
55

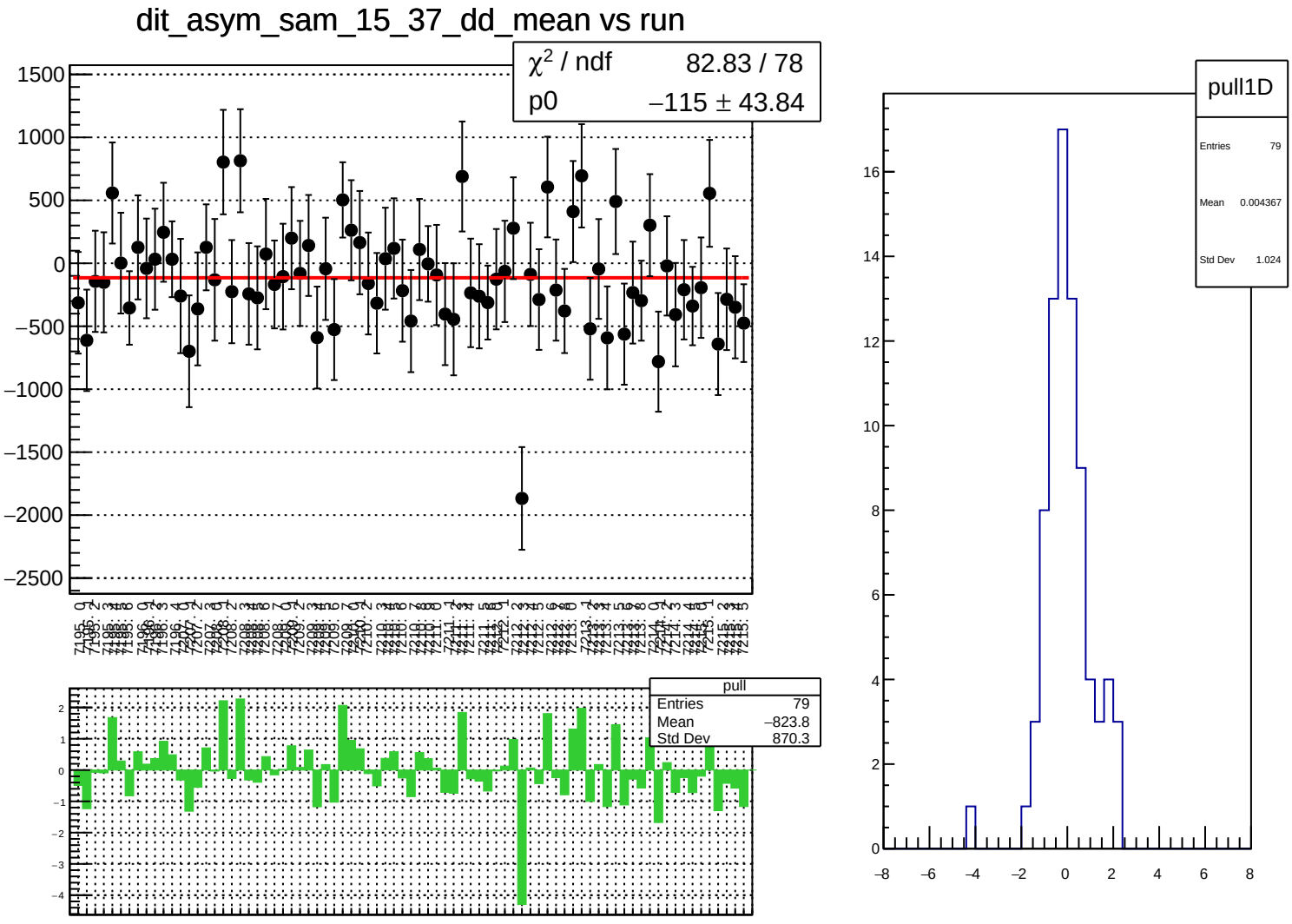

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 75.9 / 78
p0 143.7 ± 377
pull
Entries 79
Mean 256.6
Std Dev 217.8
pull1D
Entries 79
Mean −0.01268
Std Dev 0.9801


asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 3818 / 78
p0 333.5 ± 0.2666
370
360
350
340
330
320
310
300
290

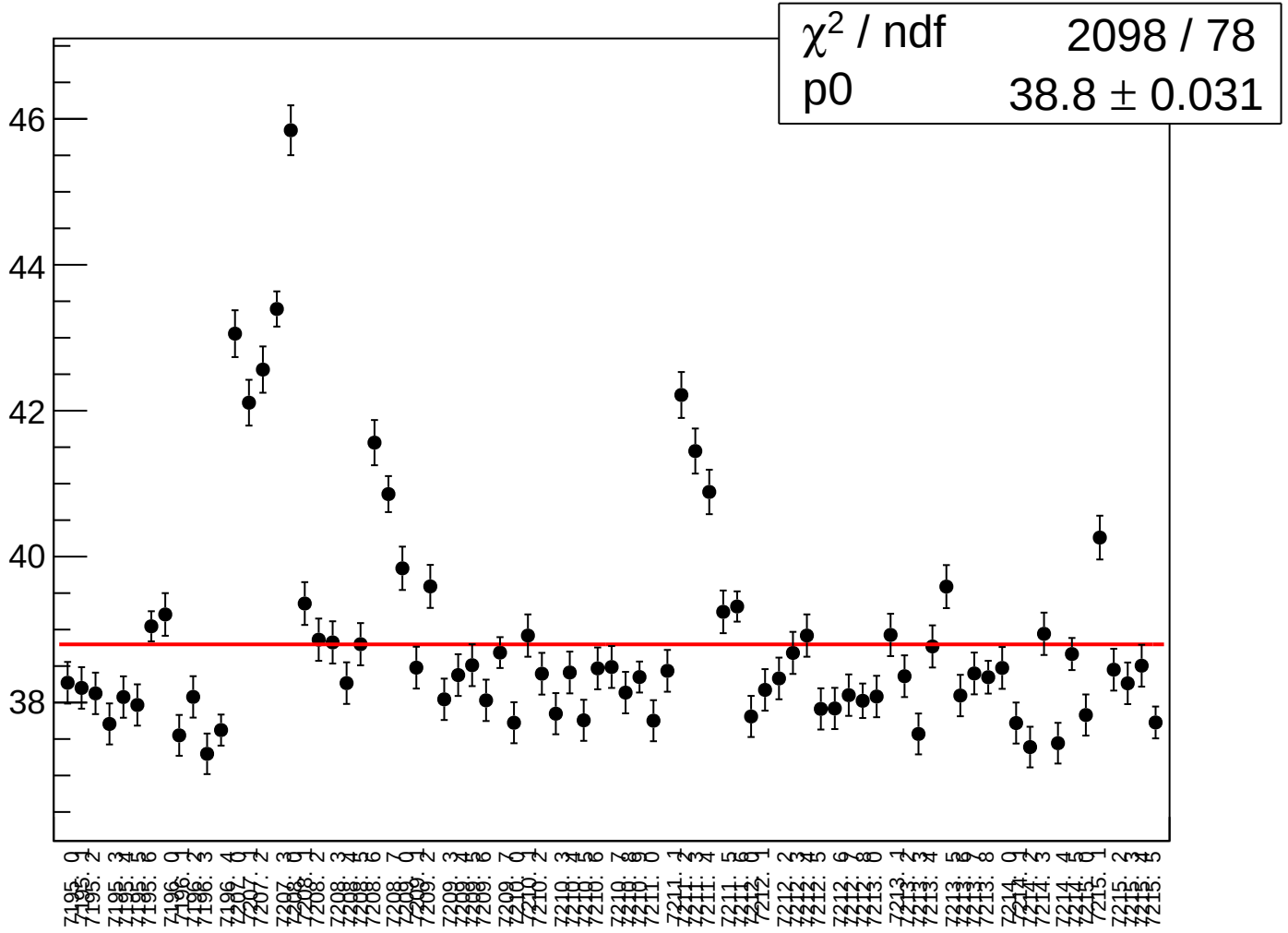

asym_sam_13_57_dd_mean vs run
χ² / ndf 74.03 / 78
p0 −286.4 ± 360
pull
Entries 79
Mean 191.5
Std Dev 150.5
pull1D
Entries 79
Mean 0.0177
Std Dev 0.9679

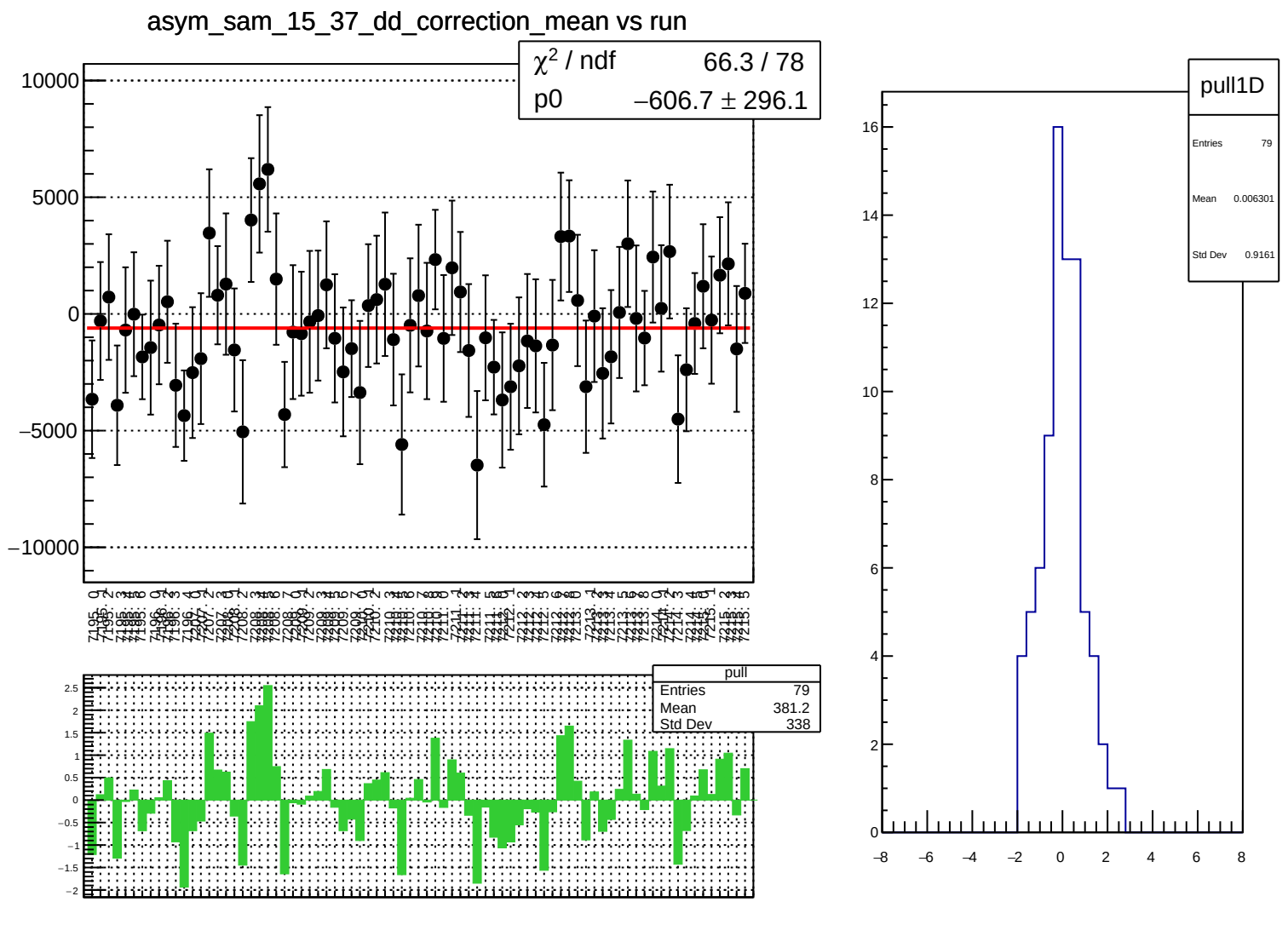
asym_sam_13_57_dd_rms vs run

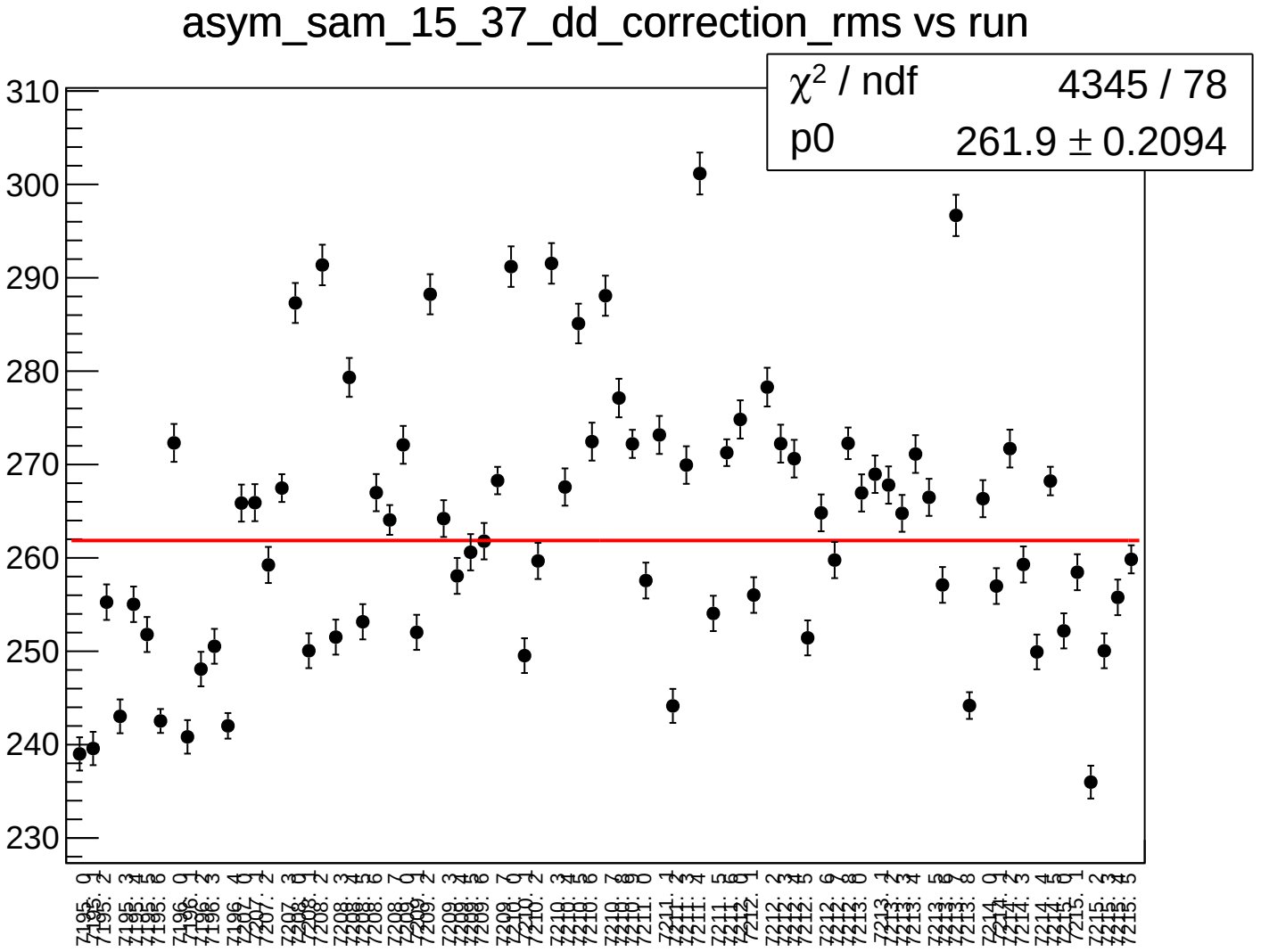


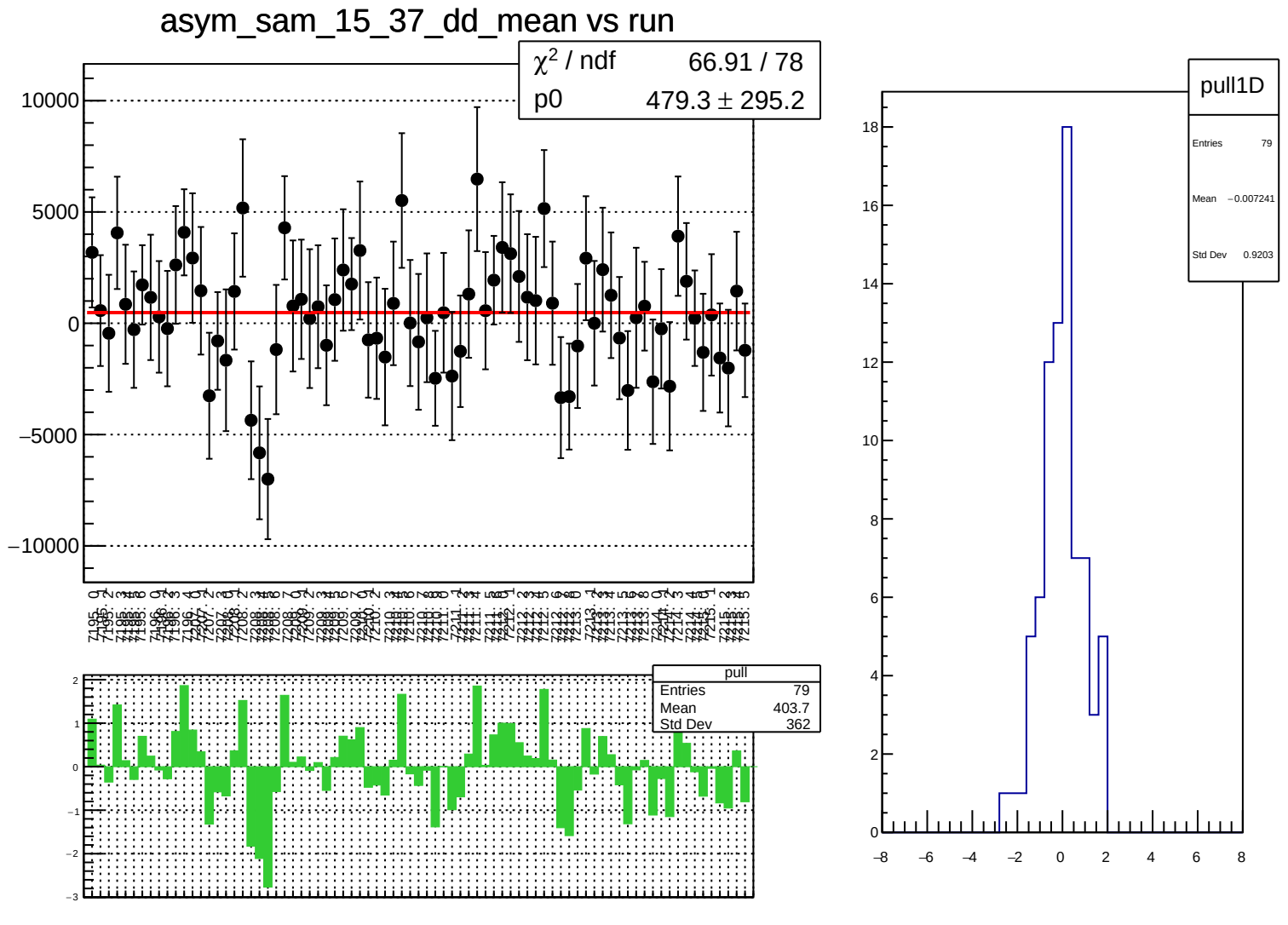

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 82.83 / 78
p0 −115 ± 43.84
pull
Entries 79
Mean −823.8
Std Dev 870.3
pull1D
Entries 79
Mean 0.004367
Std Dev 1.024

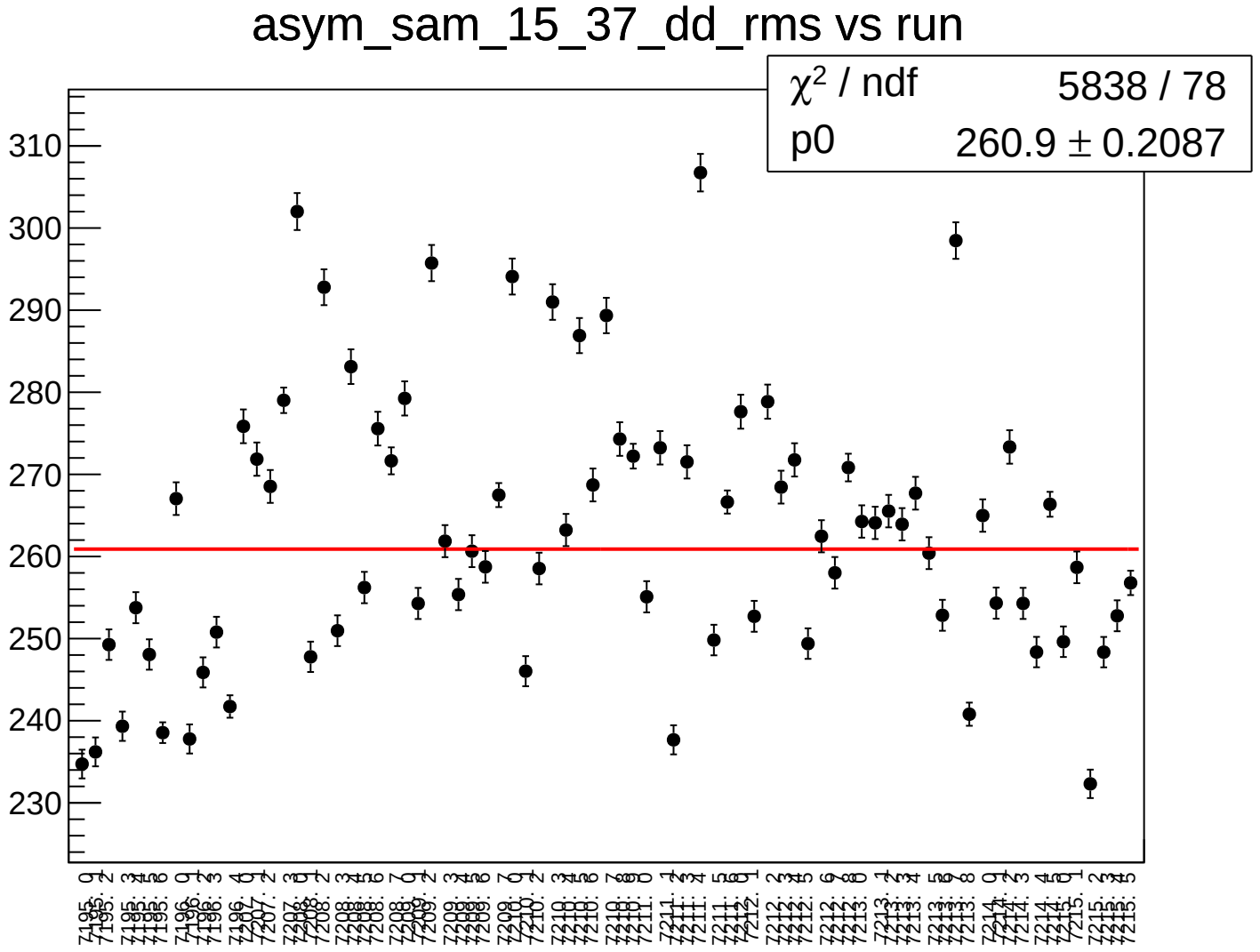
dit_asym_sam_15_37_dd_rms vs run

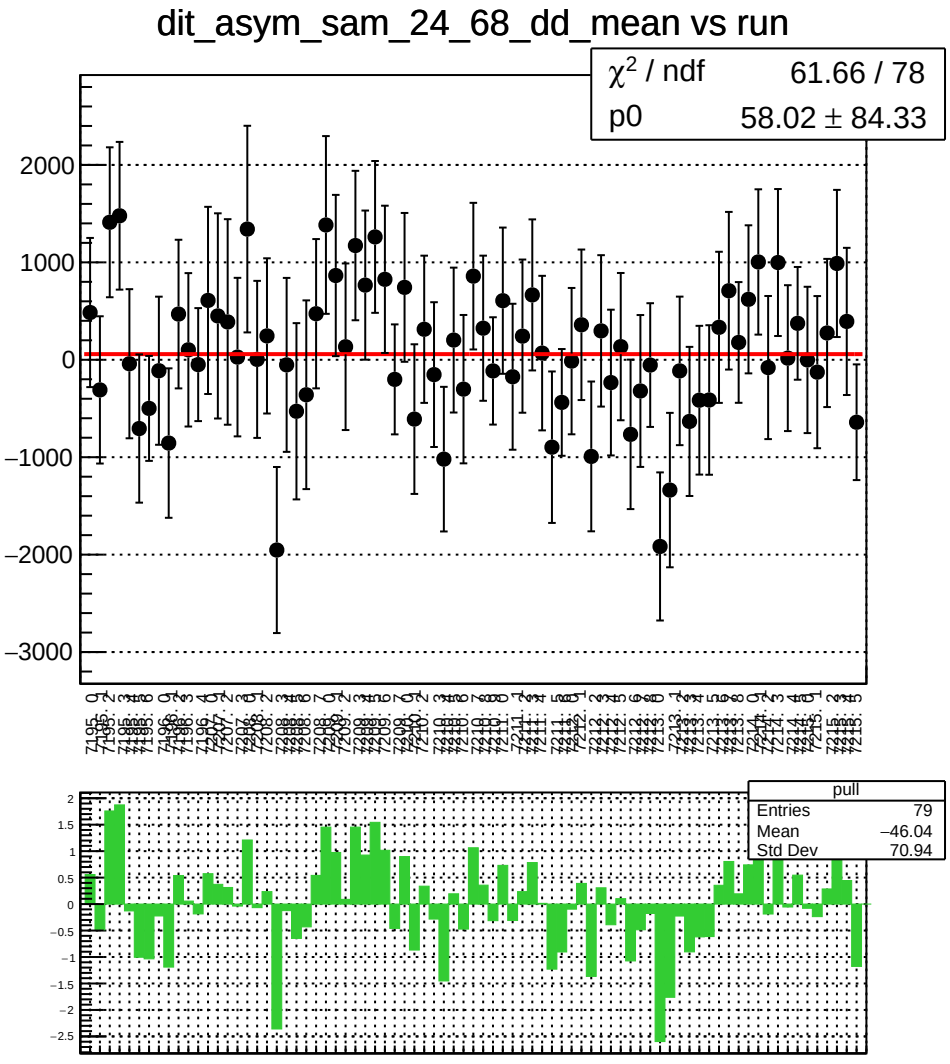


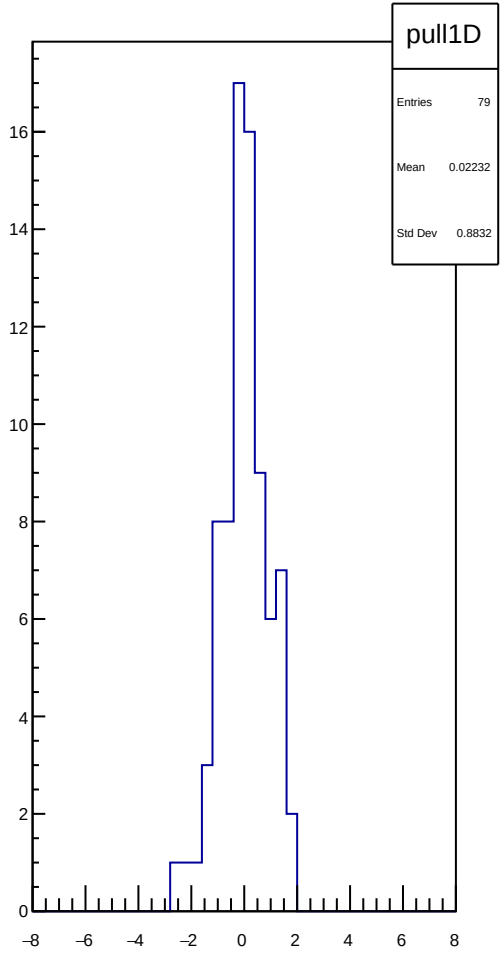

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 66.3 / 78
p0 −606.7 ± 296.1
pull
Entries 79
Mean 381.2
Std Dev 338
pull1D
Entries 79
Mean 0.006301
Std Dev 0.9161


asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 4345 / 78
p0 261.9 ± 0.2094
310
300
290
280
270
260
250
240
230

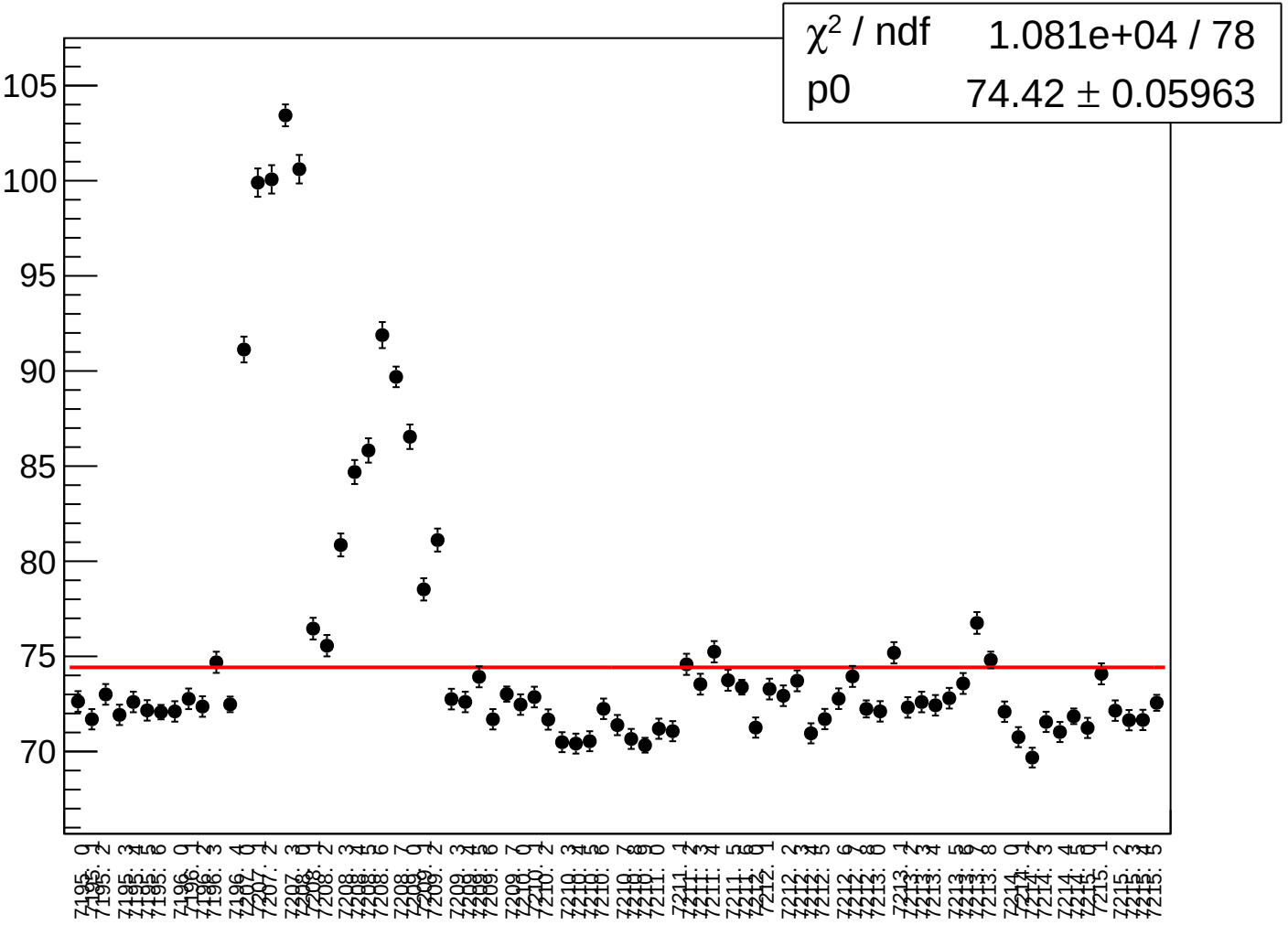

asym_sam_15_37_dd_mean vs run
χ² / ndf 66.91 / 78
p0 479.3 ± 295.2
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 403.7
Std Dev 362
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean −0.007241
Std Dev 0.9203
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

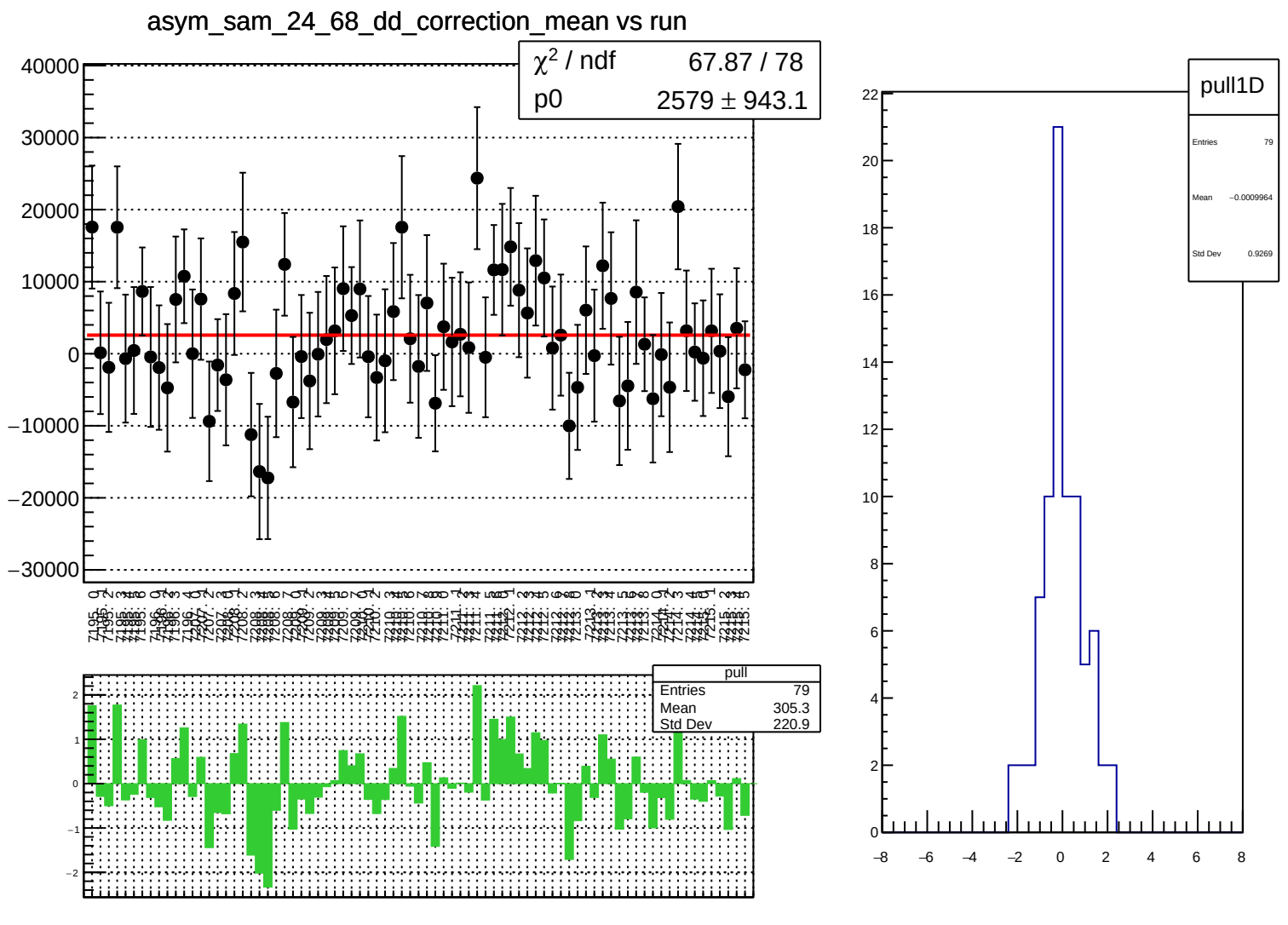

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 5838 / 78
p0 260.9 ± 0.2087
310
300
290
280
270
260
250
240
230

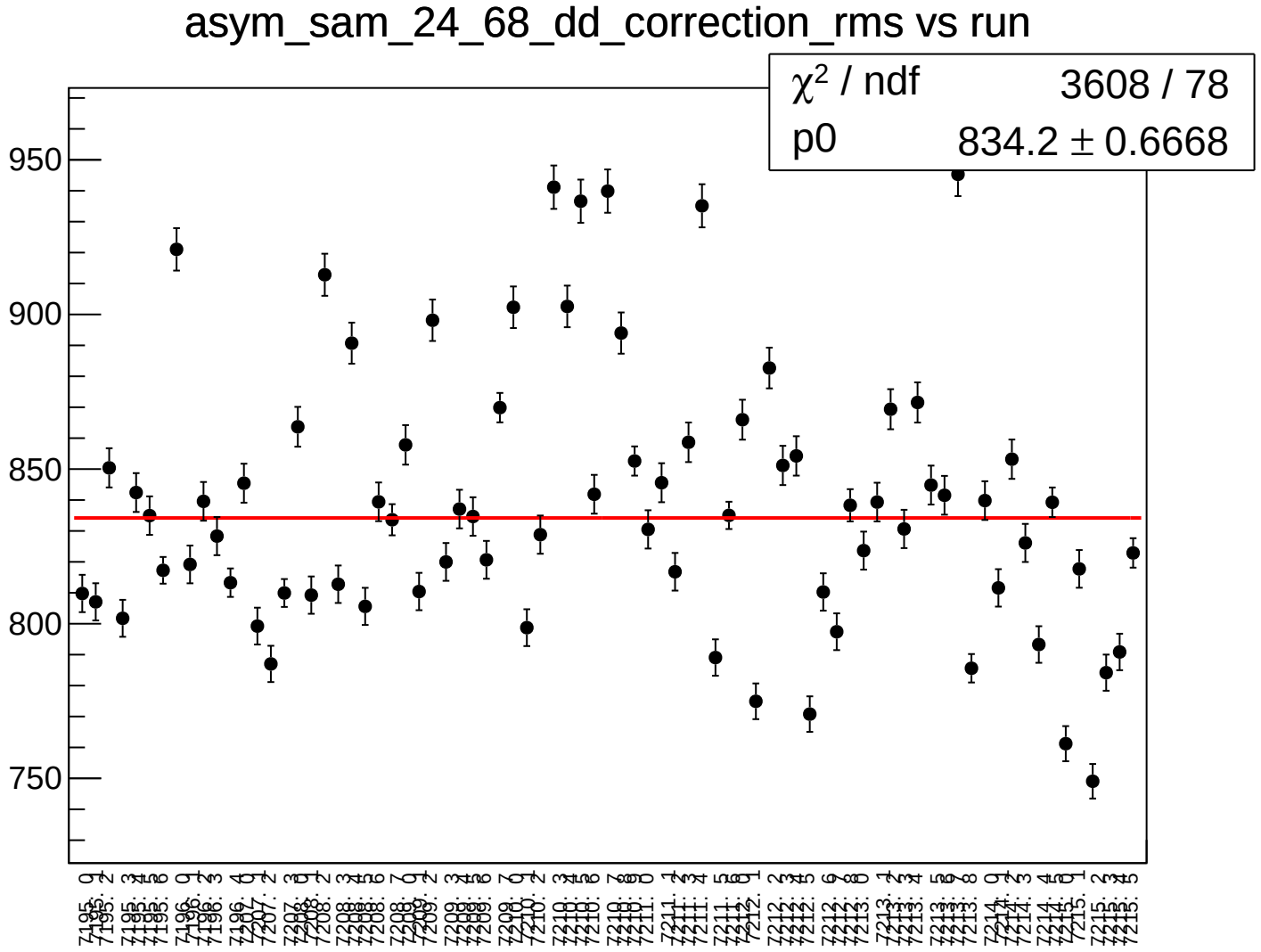

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 61.66 / 78
p0 58.02 ± 84.33
pull
Entries 79
Mean −46.04
Std Dev 70.94

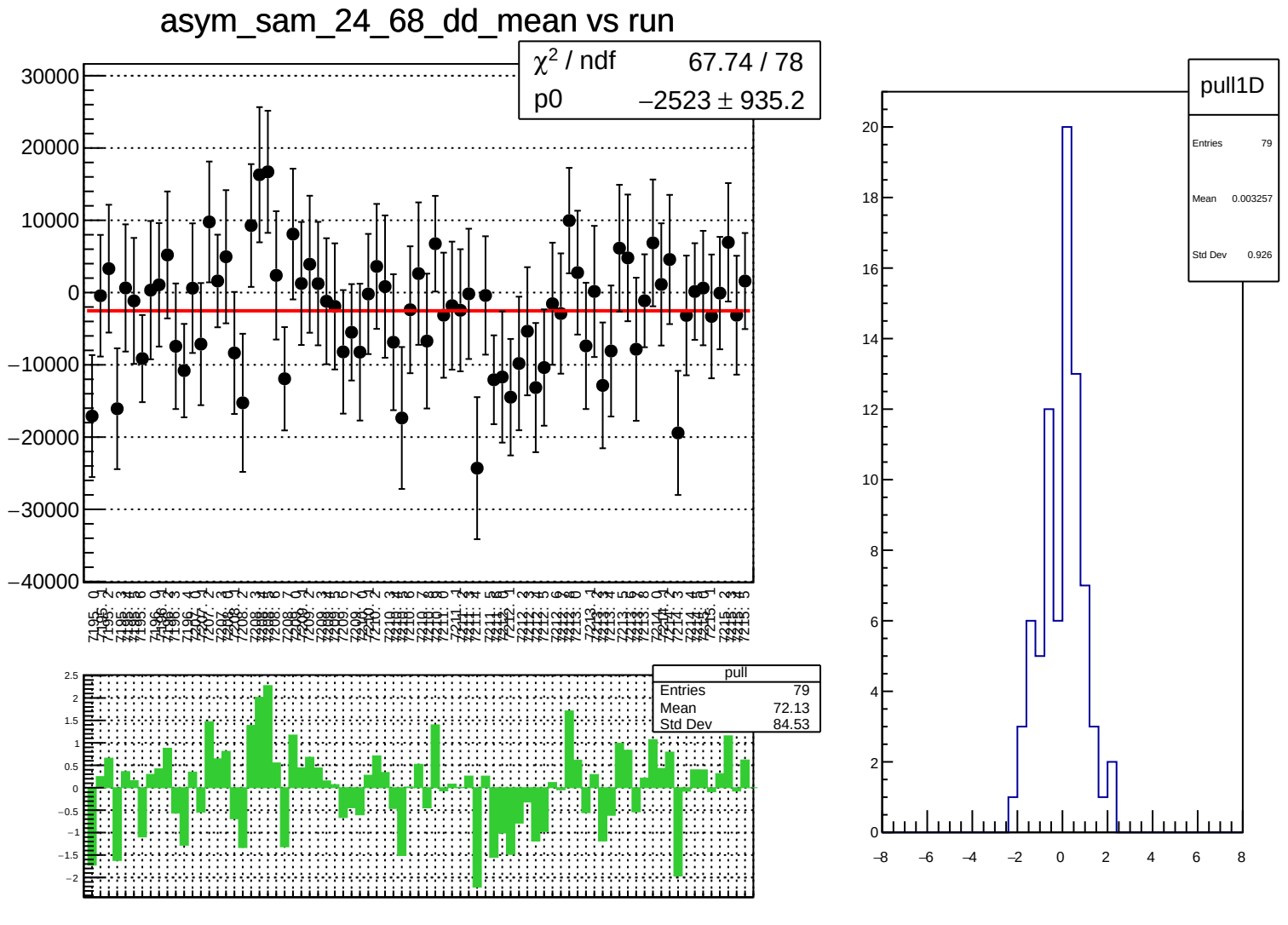

pull1D
Entries 79
Mean 0.02232
Std Dev 0.8832

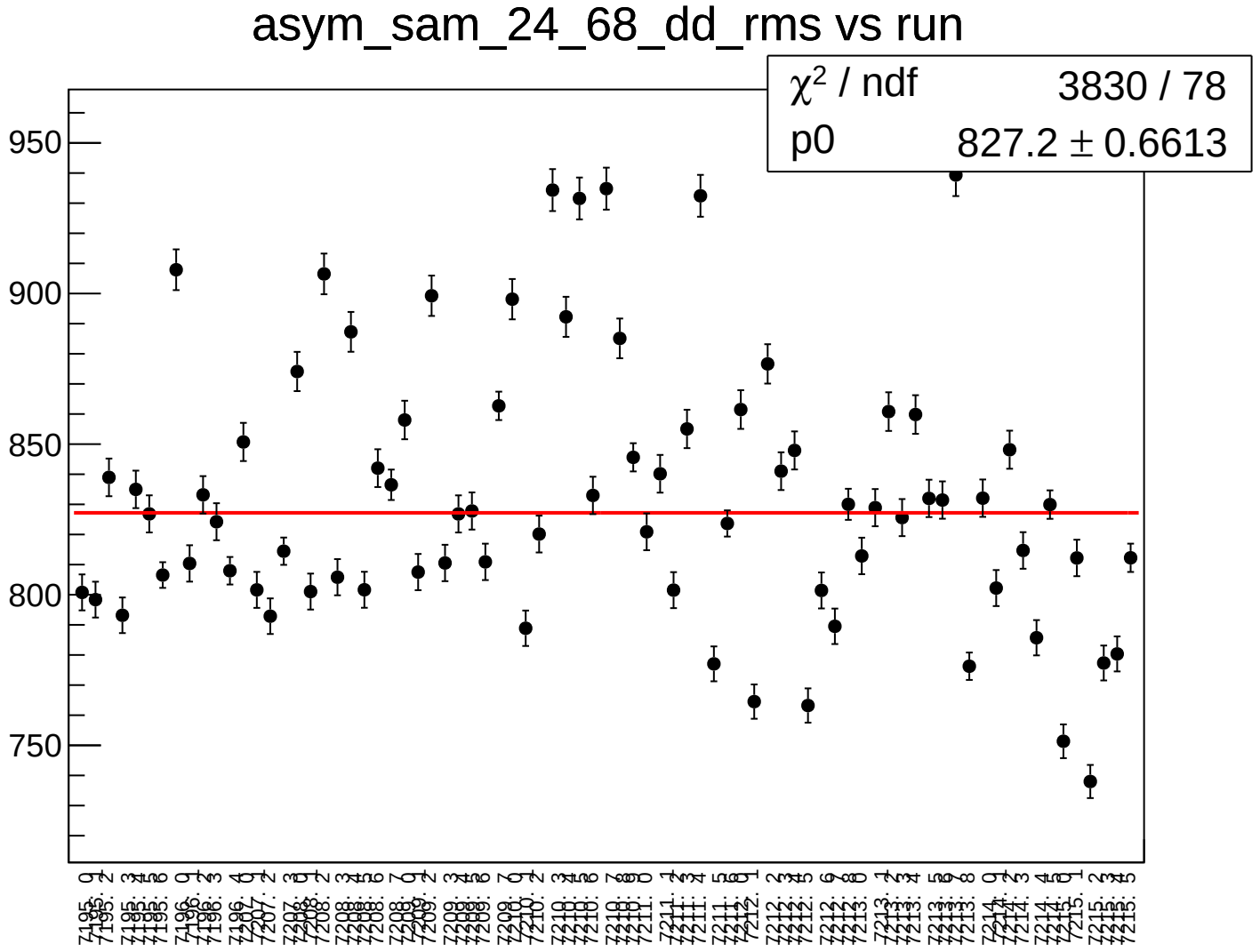
dit_asym_sam_24_68_dd_rms vs run

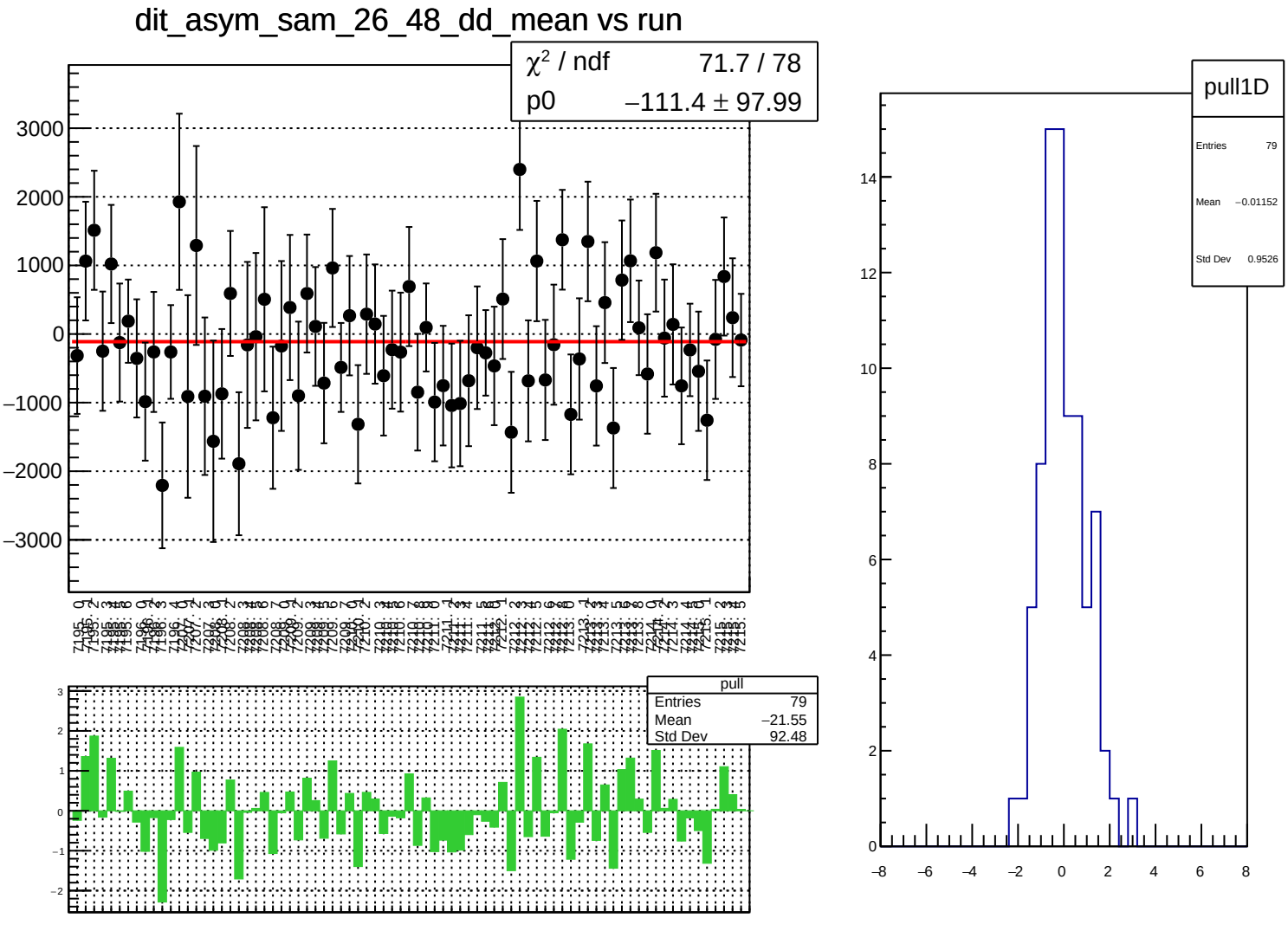



asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 67.87 / 78
p0 2579 ± 943.1
pull
Entries 79
Mean 305.3
Std Dev 220.9
pull1D
Entries 79
Mean −0.0009964
Std Dev 0.9269

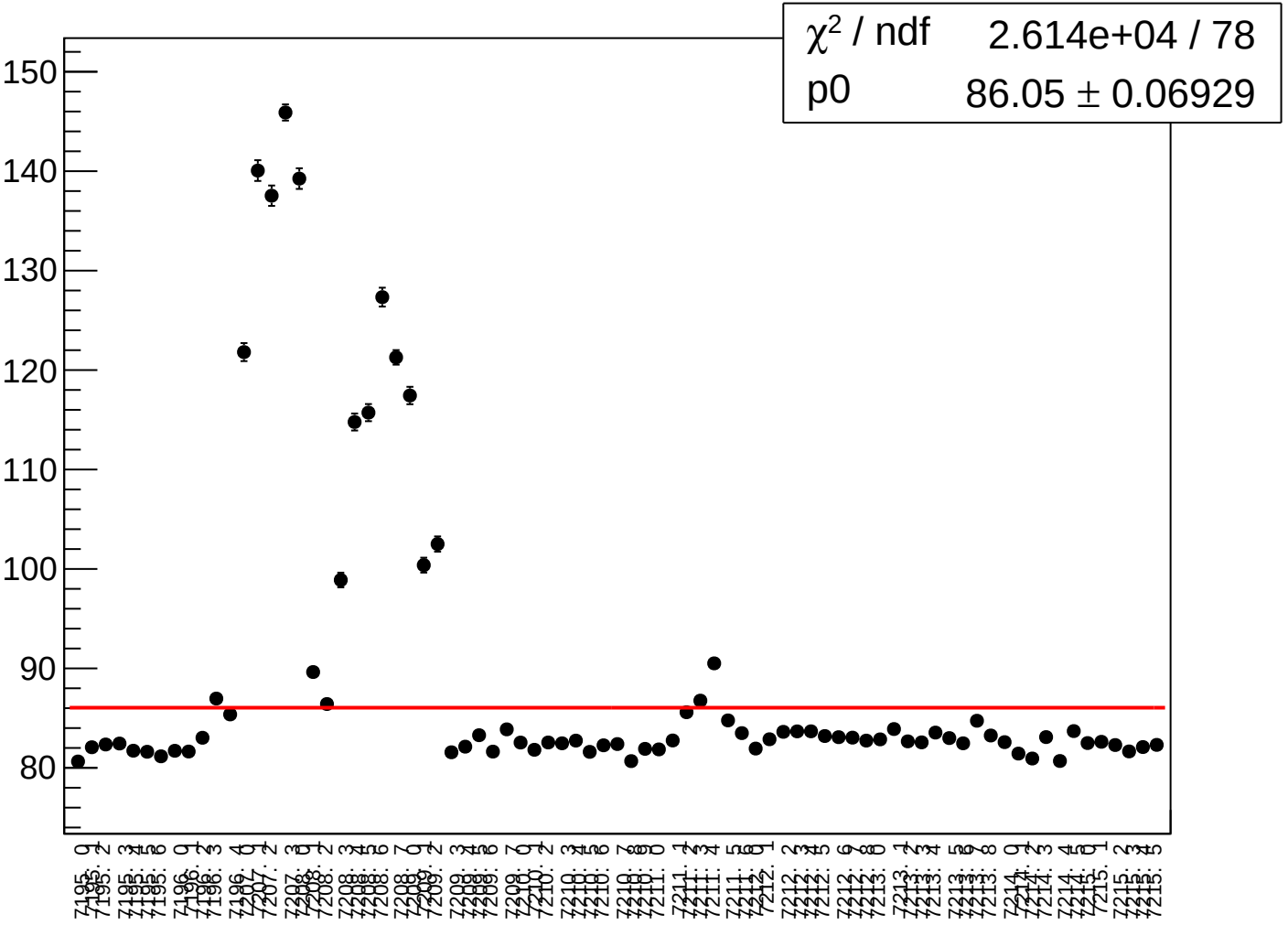

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 3608 / 78
p0 834.2 ± 0.6668
950
900
850
800
750

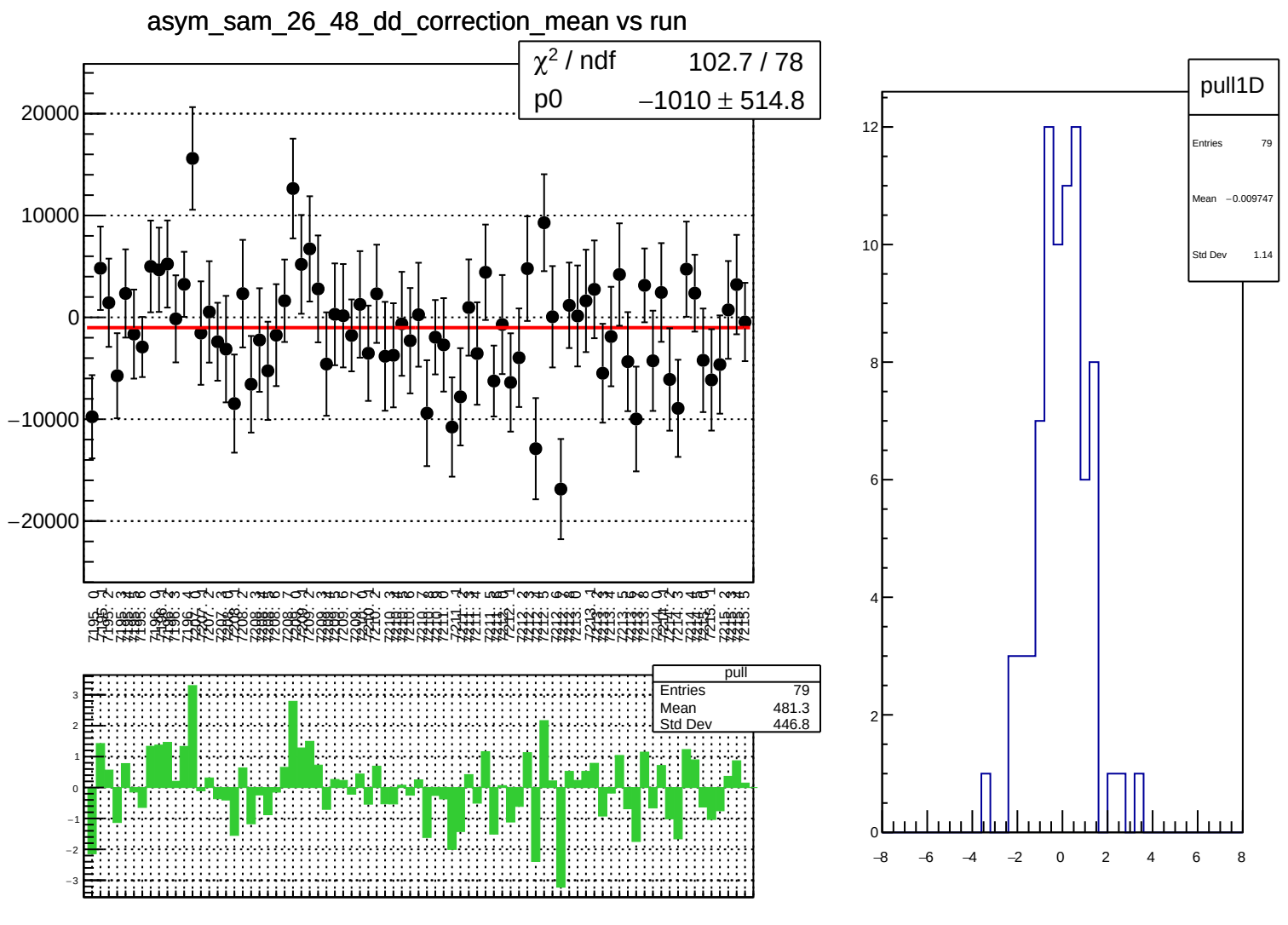

asym_sam_24_68_dd_mean vs run
χ² / ndf 67.74 / 78
p0 −2523 ± 935.2
pull
Entries 79
Mean 72.13
Std Dev 84.53
pull1D
Entries 79
Mean 0.003257
Std Dev 0.926

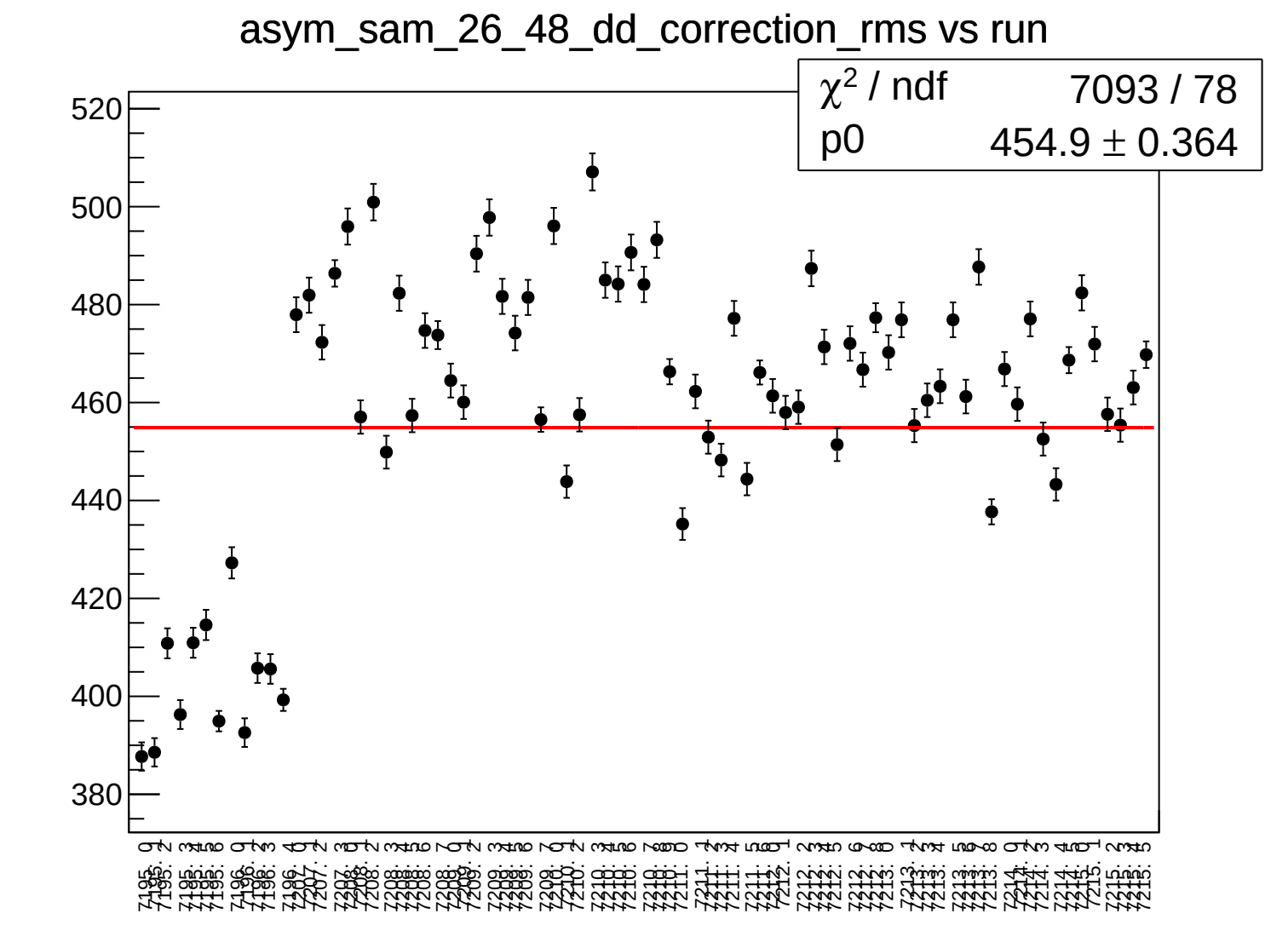

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3830 / 78
p0 827.2 ± 0.6613
950
900
850
800
750

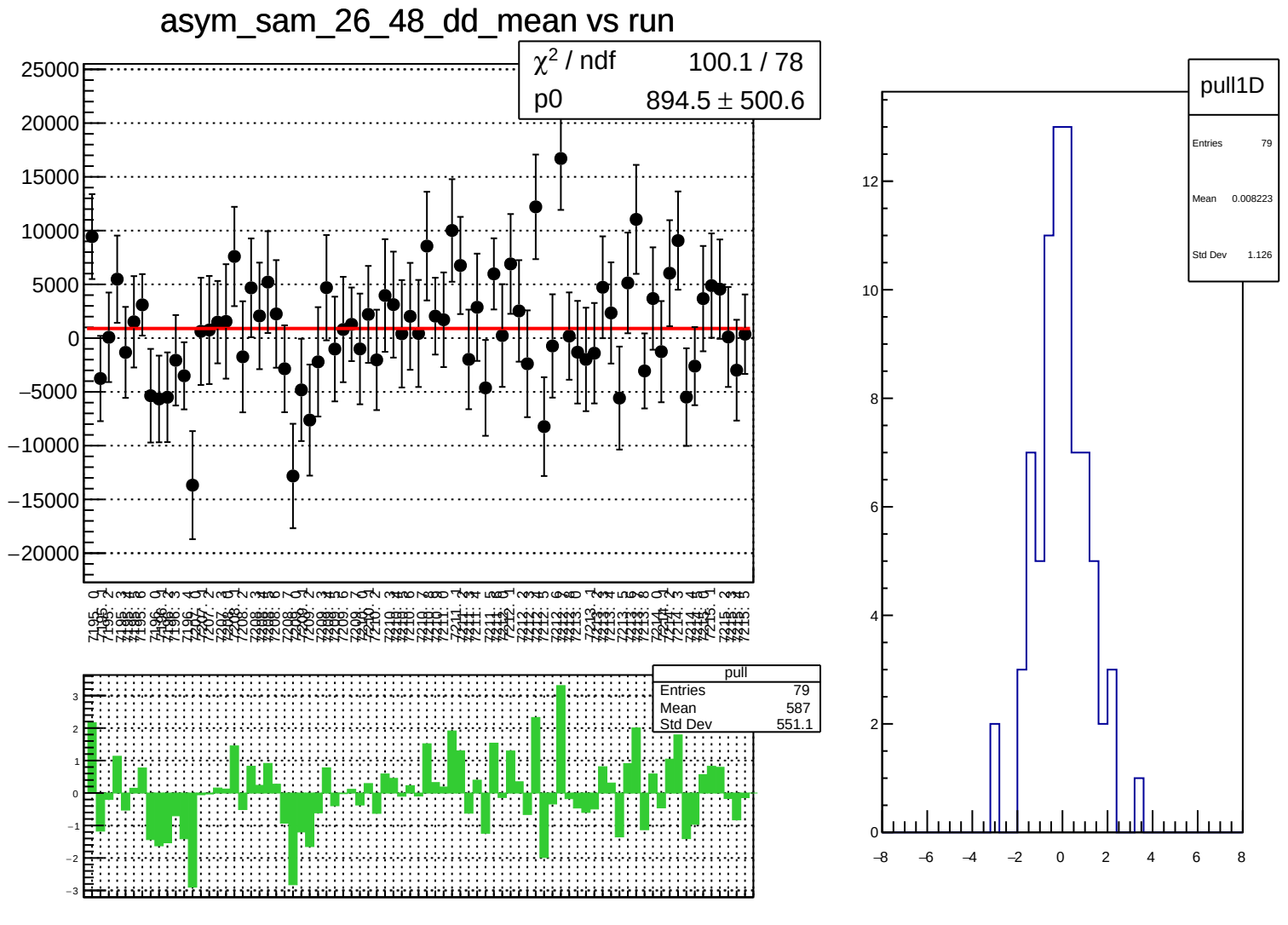

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 71.7 / 78
p0 −111.4 ± 97.99
pull
Entries 79
Mean −21.55
Std Dev 92.48
pull1D
Entries 79
Mean −0.01152
Std Dev 0.9526

dit_asym_sam_26_48_dd_rms vs run

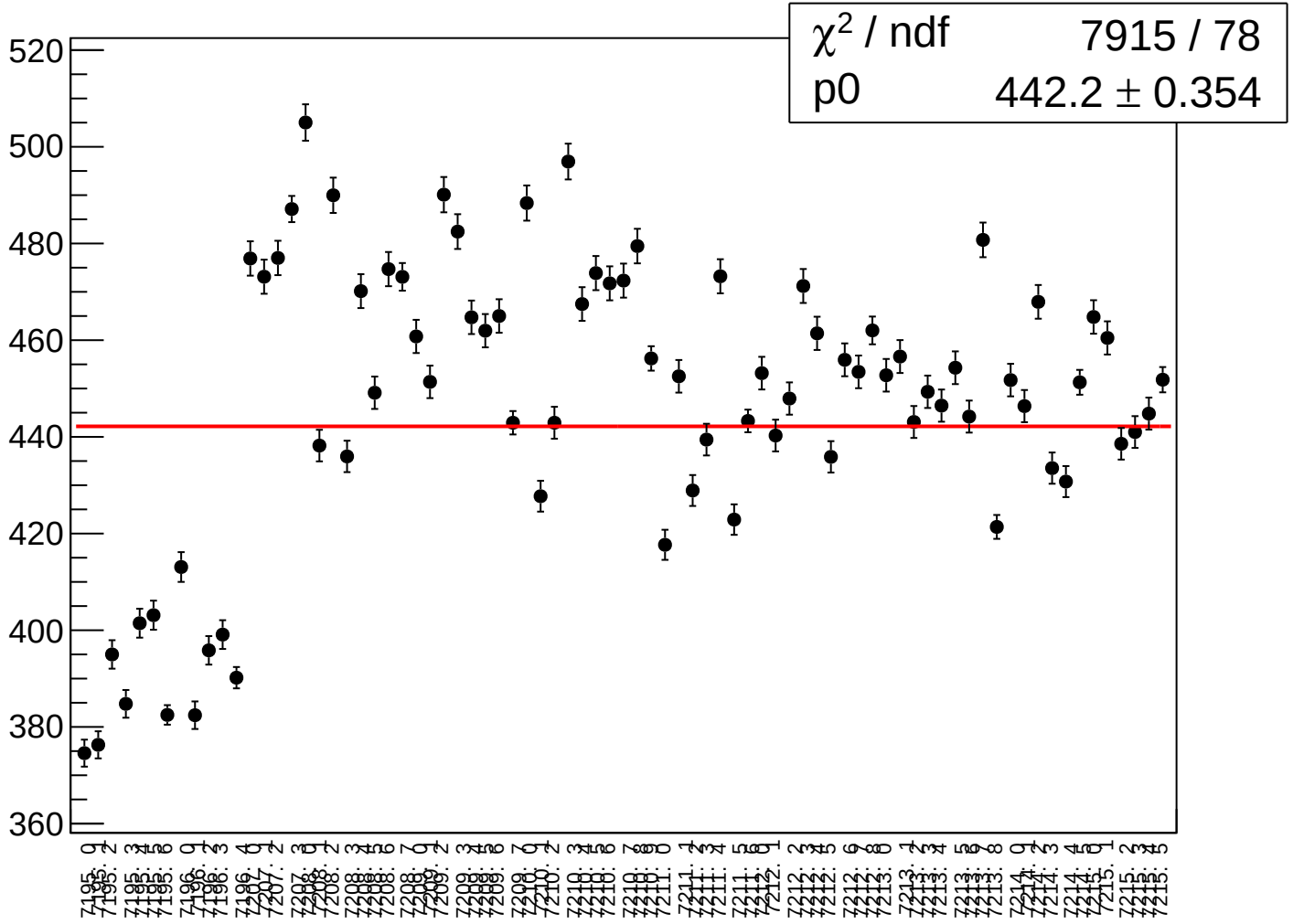


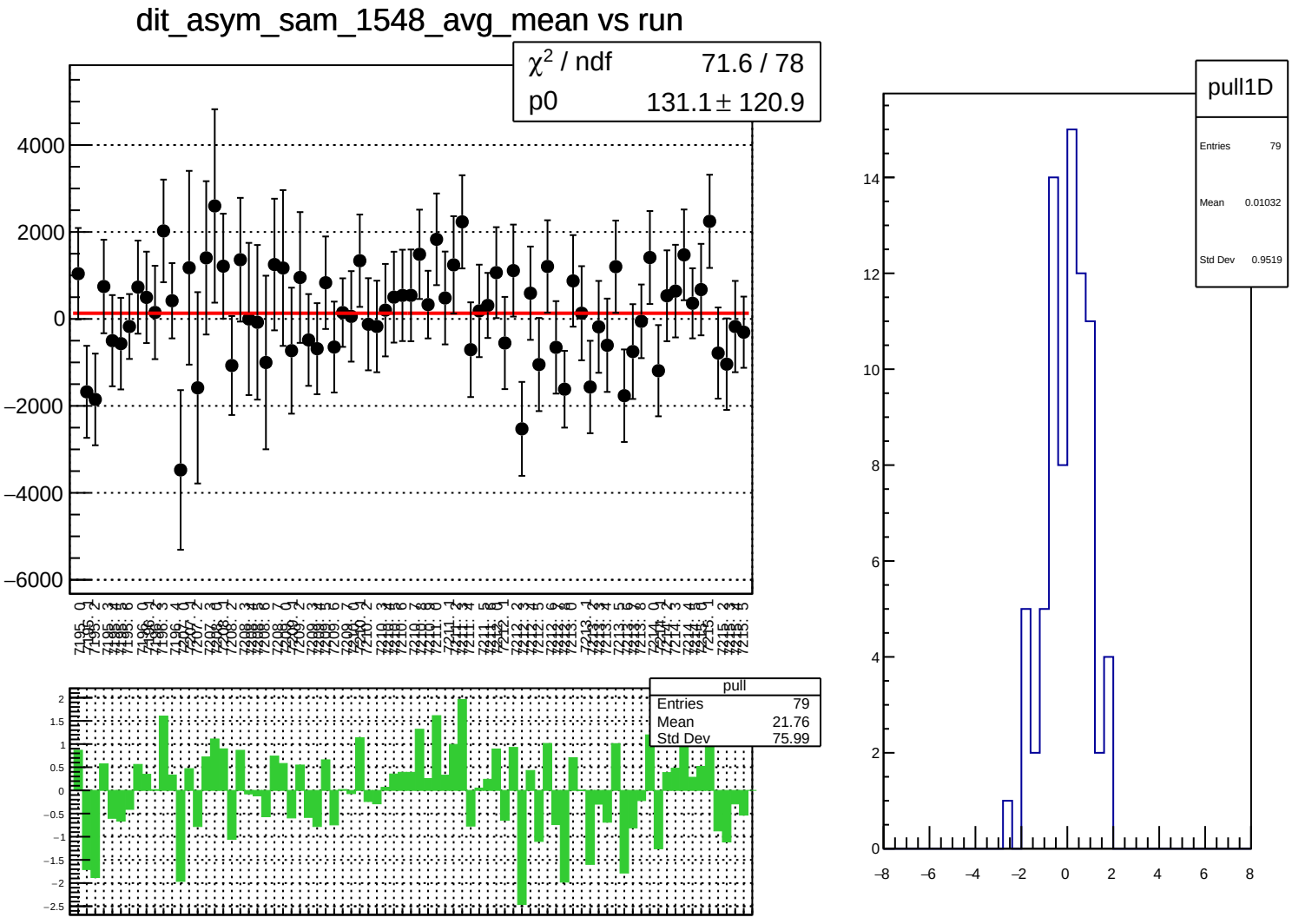

asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 102.7 / 78
p0 −1010 ± 514.8
20000
10000
0
−10000
−20000
pull
Entries 79
Mean 481.3
Std Dev 446.8
3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean −0.009747
Std Dev 1.14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 7093 / 78
p0 454.9 ± 0.364
520
500
480
460
440
420
400
380

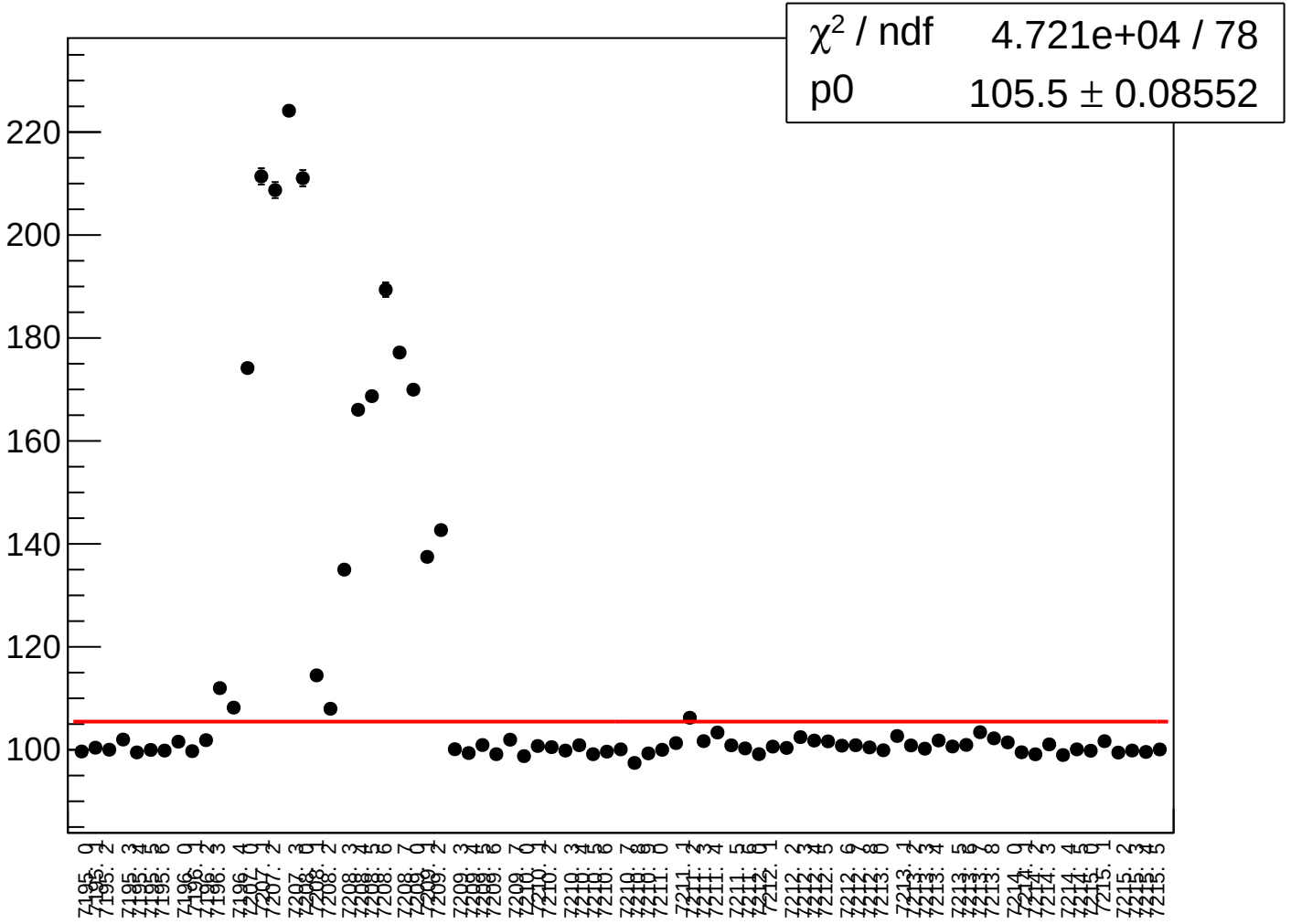

asym_sam_26_48_dd_mean vs run
χ² / ndf 100.1 / 78
p0 894.5 ± 500.6
pull
Entries 79
Mean 587
Std Dev 551.1
pull1D
Entries 79
Mean 0.008223
Std Dev 1.126

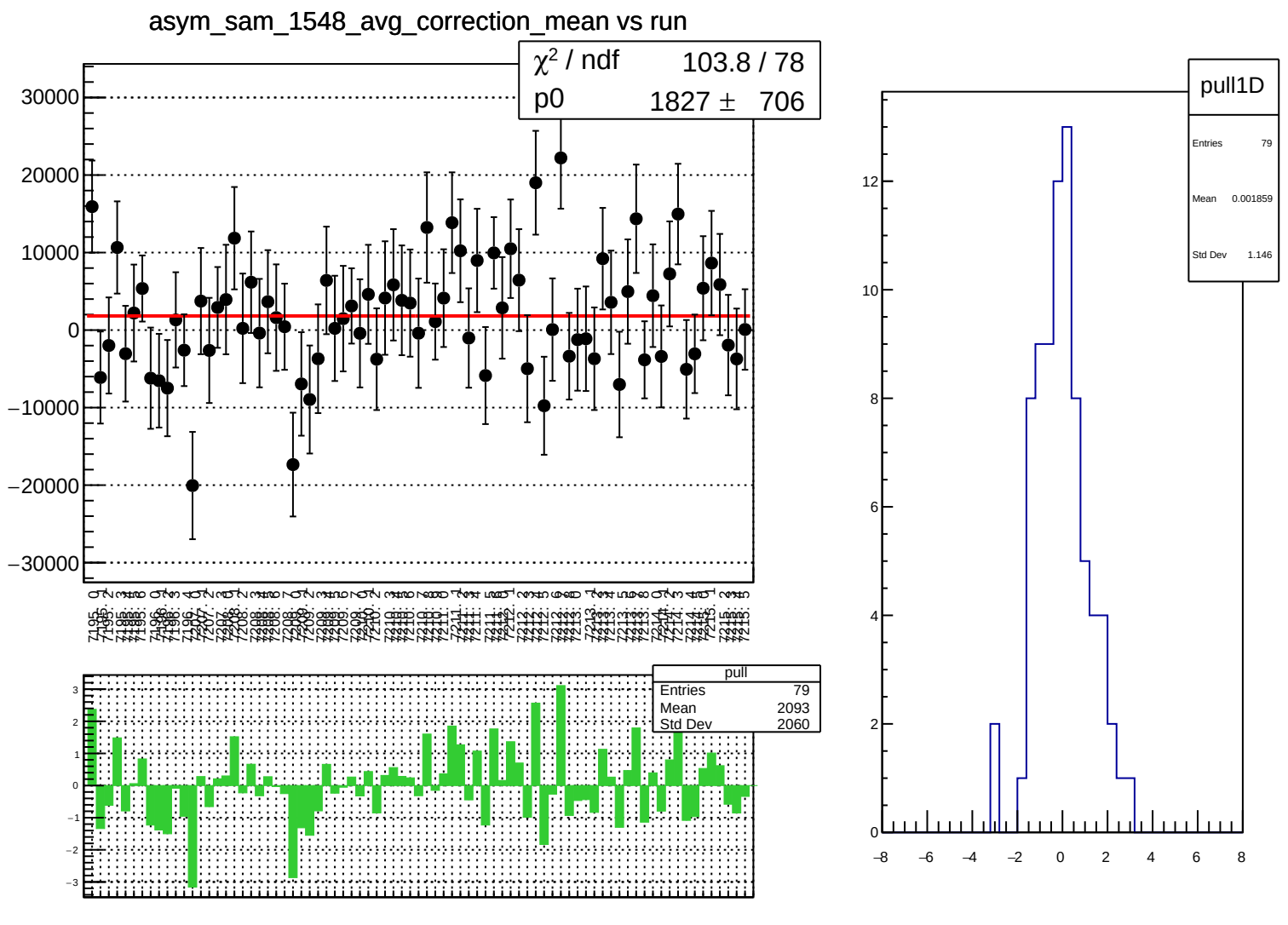
asym_sam_26_48_dd_rms vs run



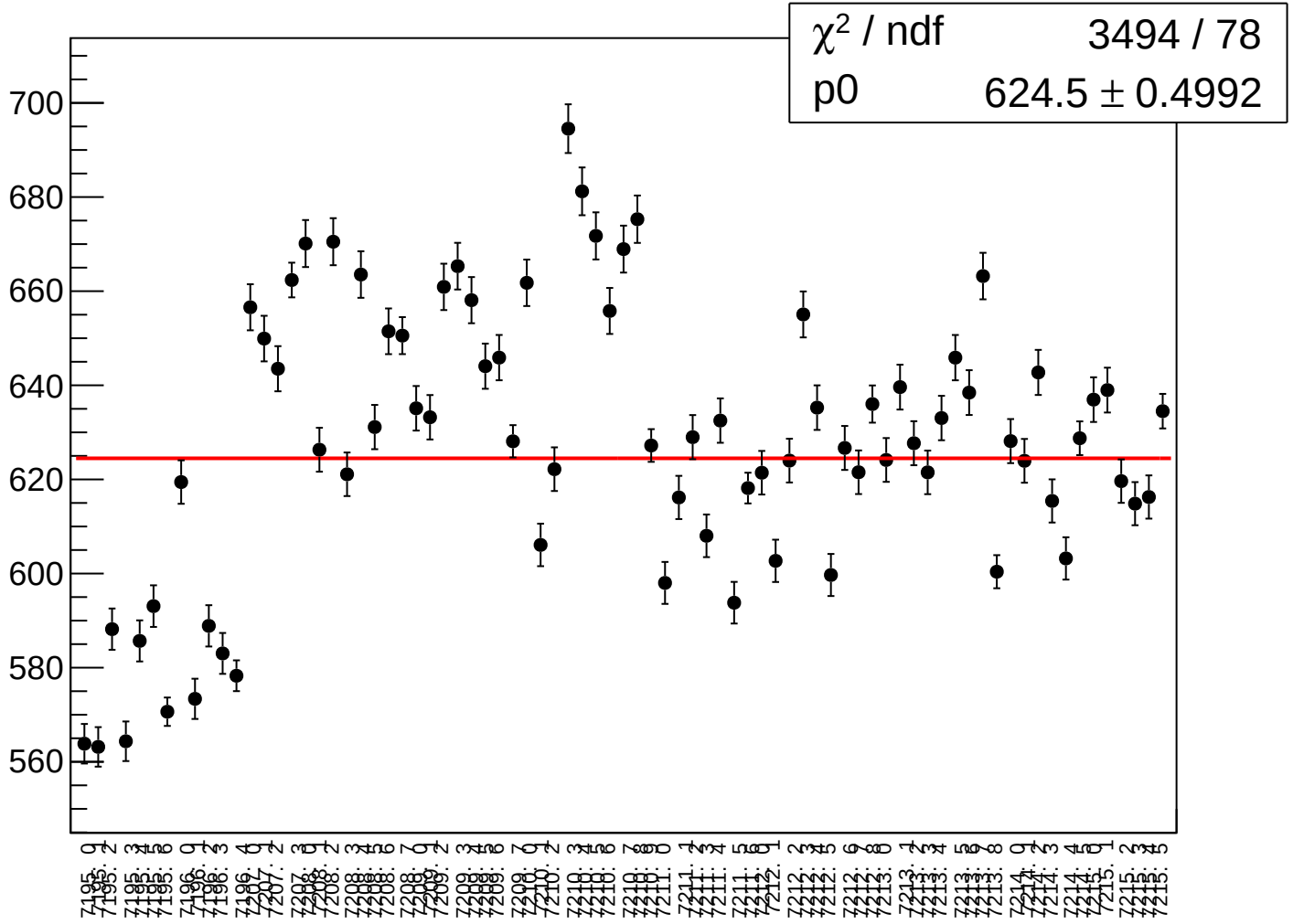

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 71.6 / 78
p0 131.1 ± 120.9
pull
Entries 79
Mean 21.76
Std Dev 75.99
pull1D
Entries 79
Mean 0.01032
Std Dev 0.9519

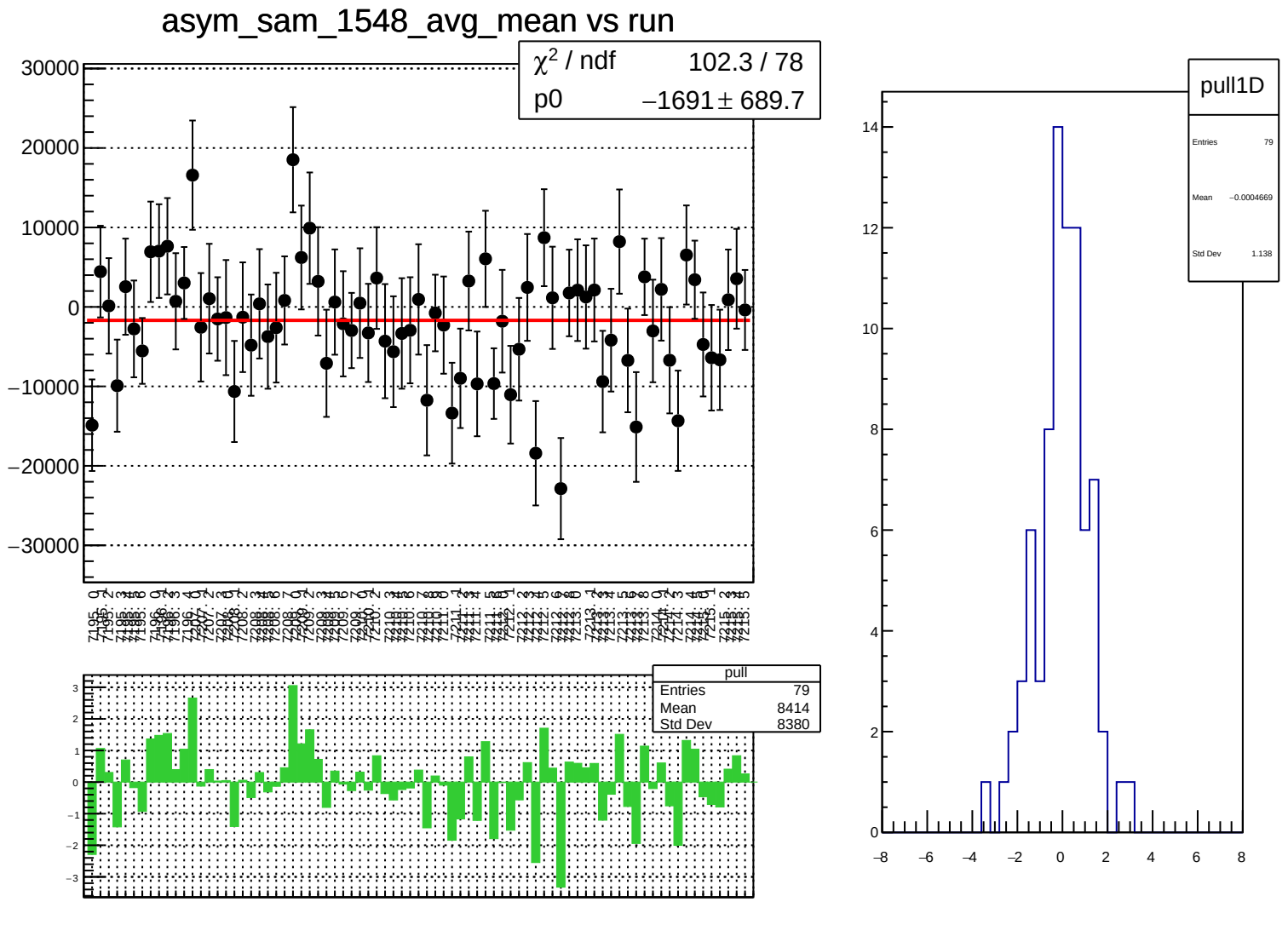
dit_asym_sam_1548_avg_rms vs run



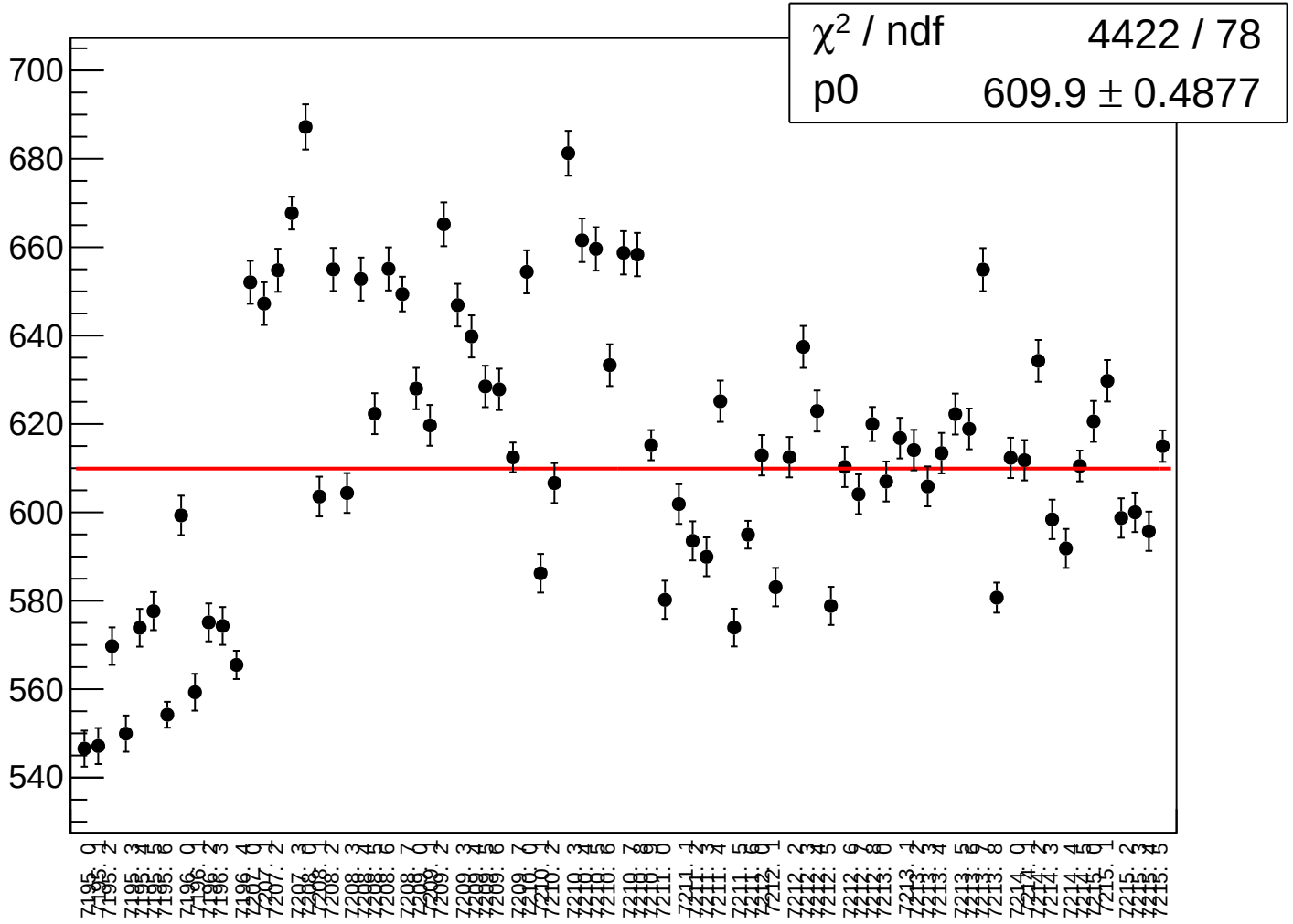

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 103.8 / 78
p0 1827 ± 706
pull
Entries 79
Mean 2093
Std Dev 2060
pull1D
Entries 79
Mean 0.001859
Std Dev 1.146

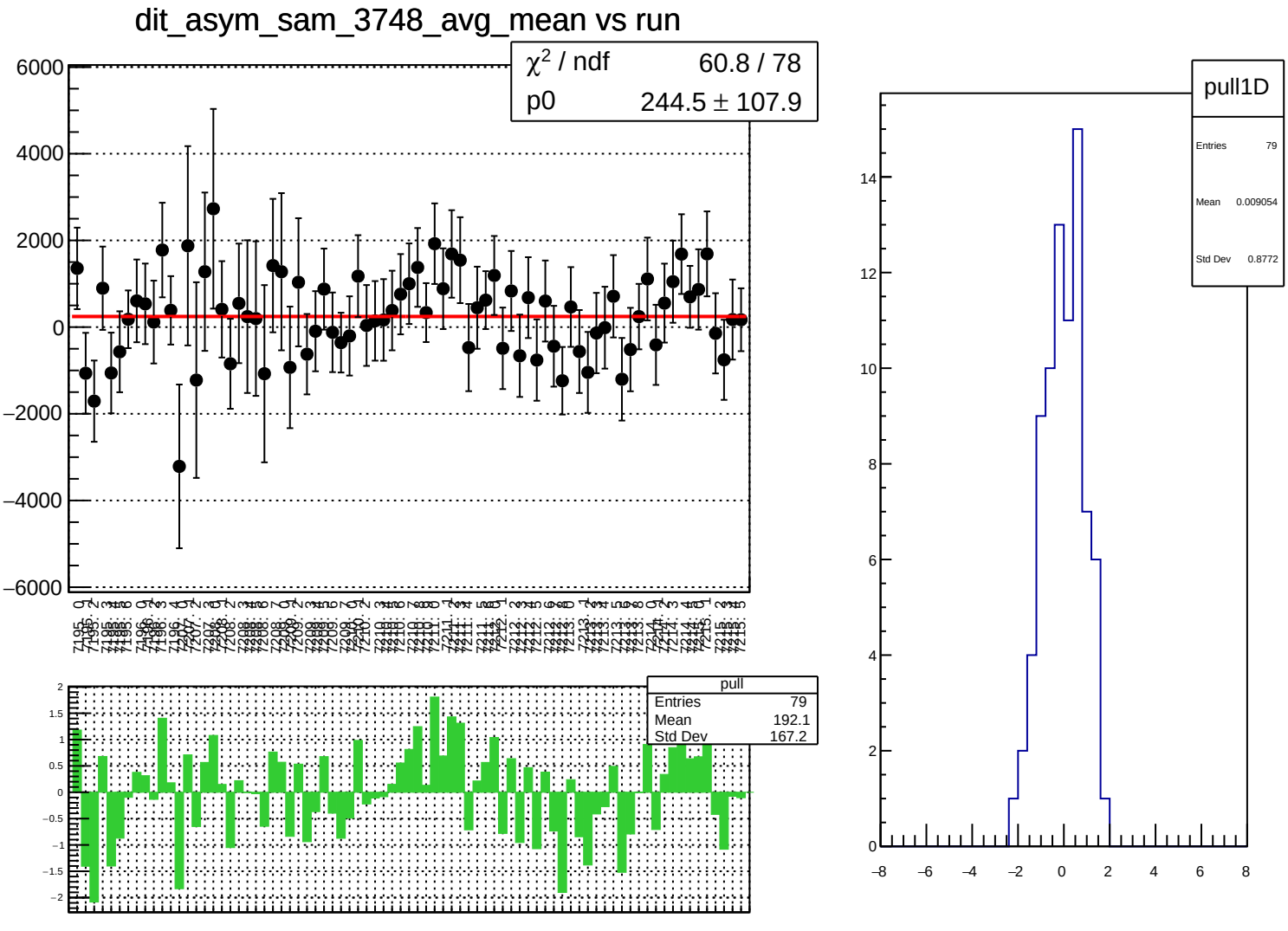
asym_sam_1548_avg_correction_rms vs run



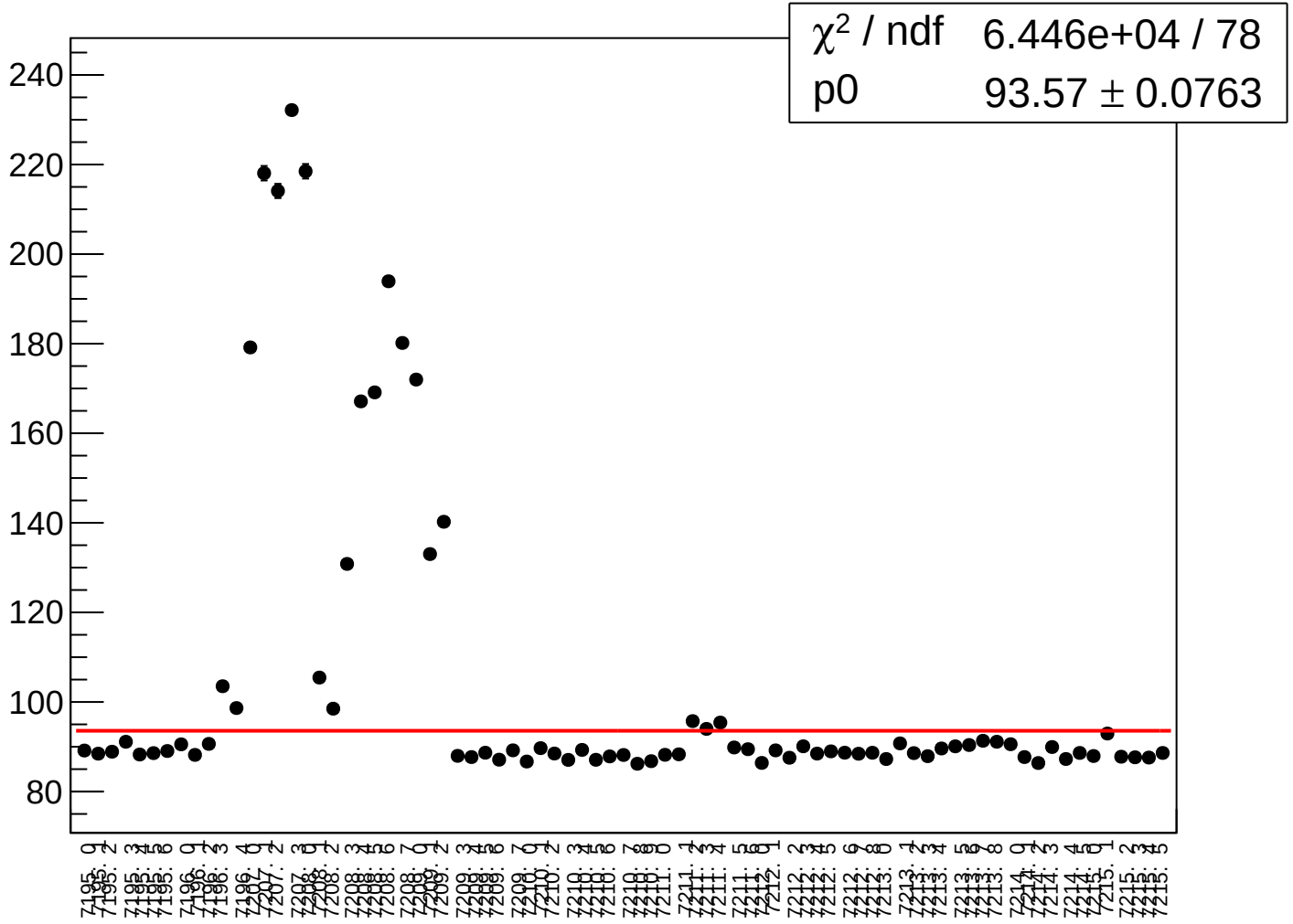

asym_sam_1548_avg_mean vs run
χ² / ndf 102.3 / 78
p0 −1691 ± 689.7
pull
Entries 79
Mean 8414
Std Dev 8380
pull1D
Entries 79
Mean −0.0004669
Std Dev 1.138

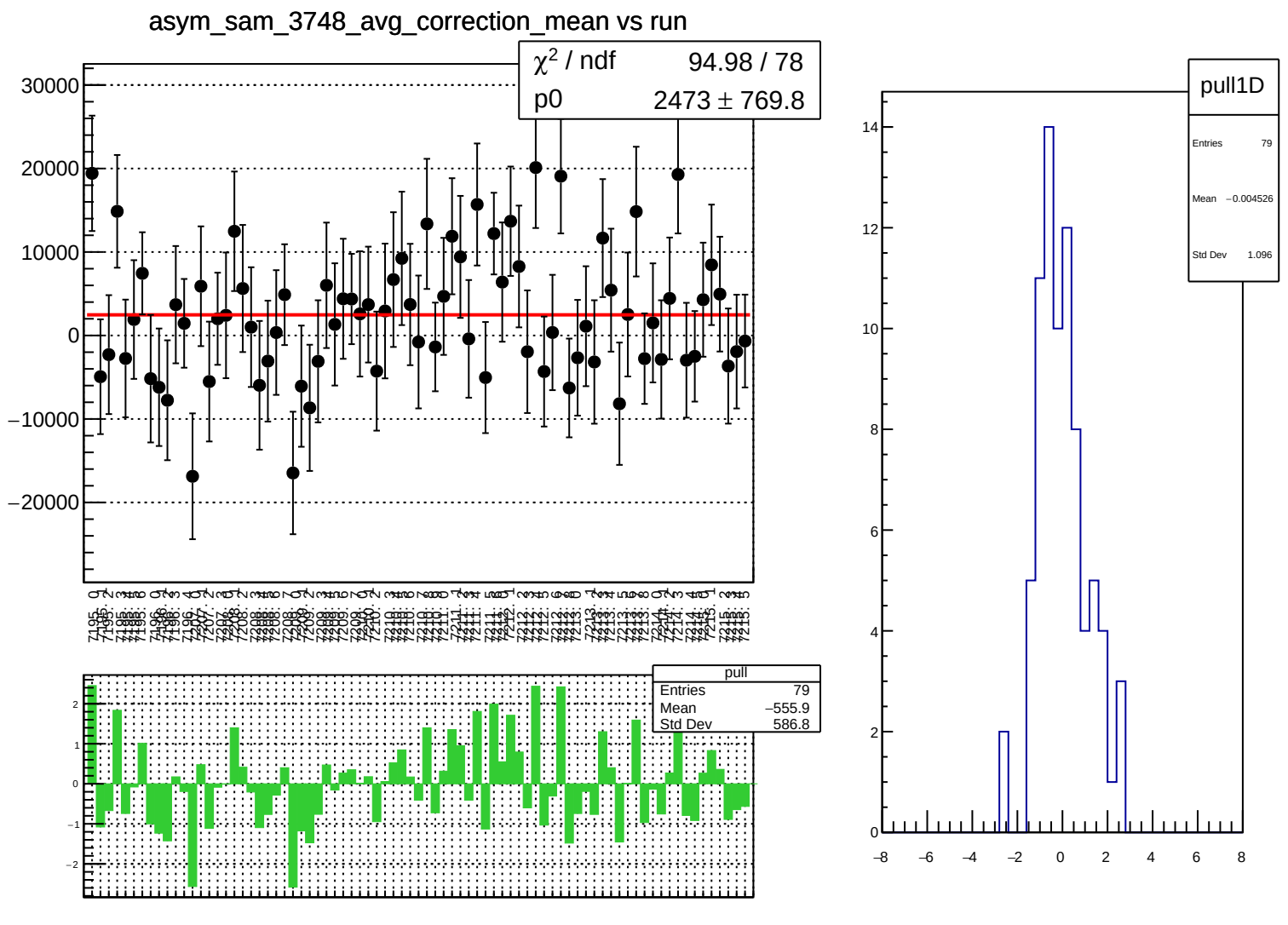
asym_sam_1548_avg_rms vs run



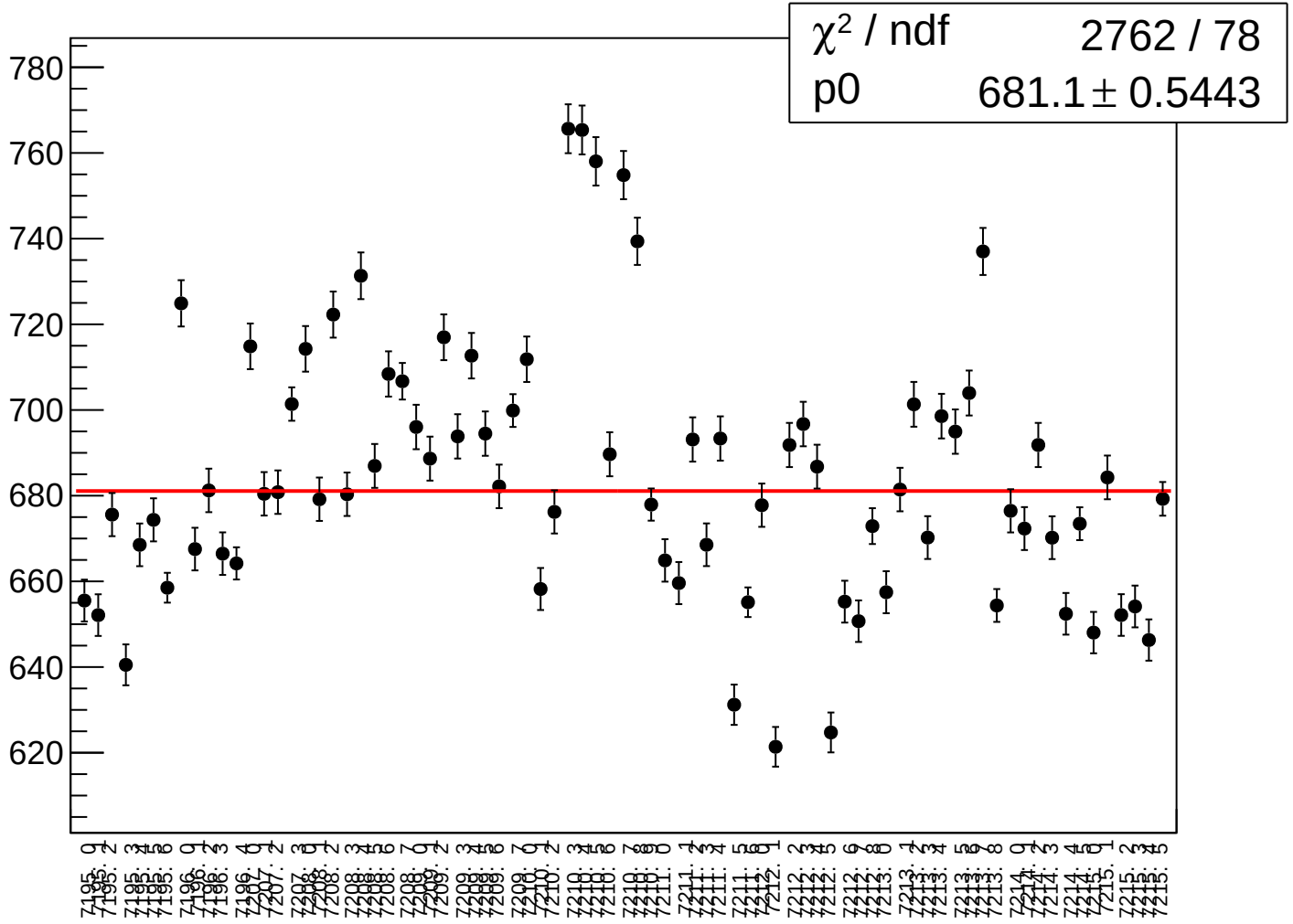

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 60.8 / 78
p0 244.5 ± 107.9
pull
Entries 79
Mean 192.1
Std Dev 167.2
pull1D
Entries 79
Mean 0.009054
Std Dev 0.8772

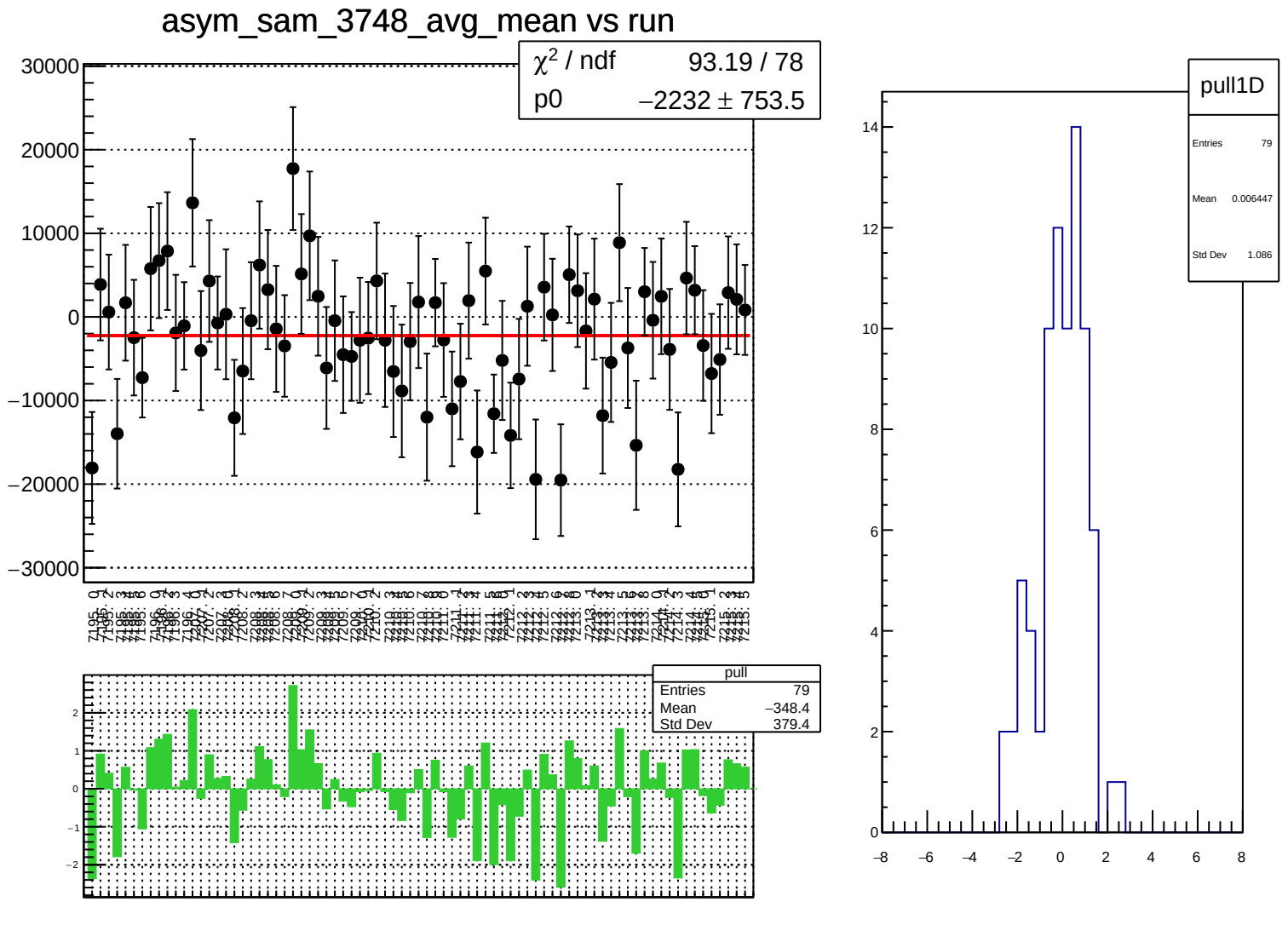
dit_asym_sam_3748_avg_rms vs run



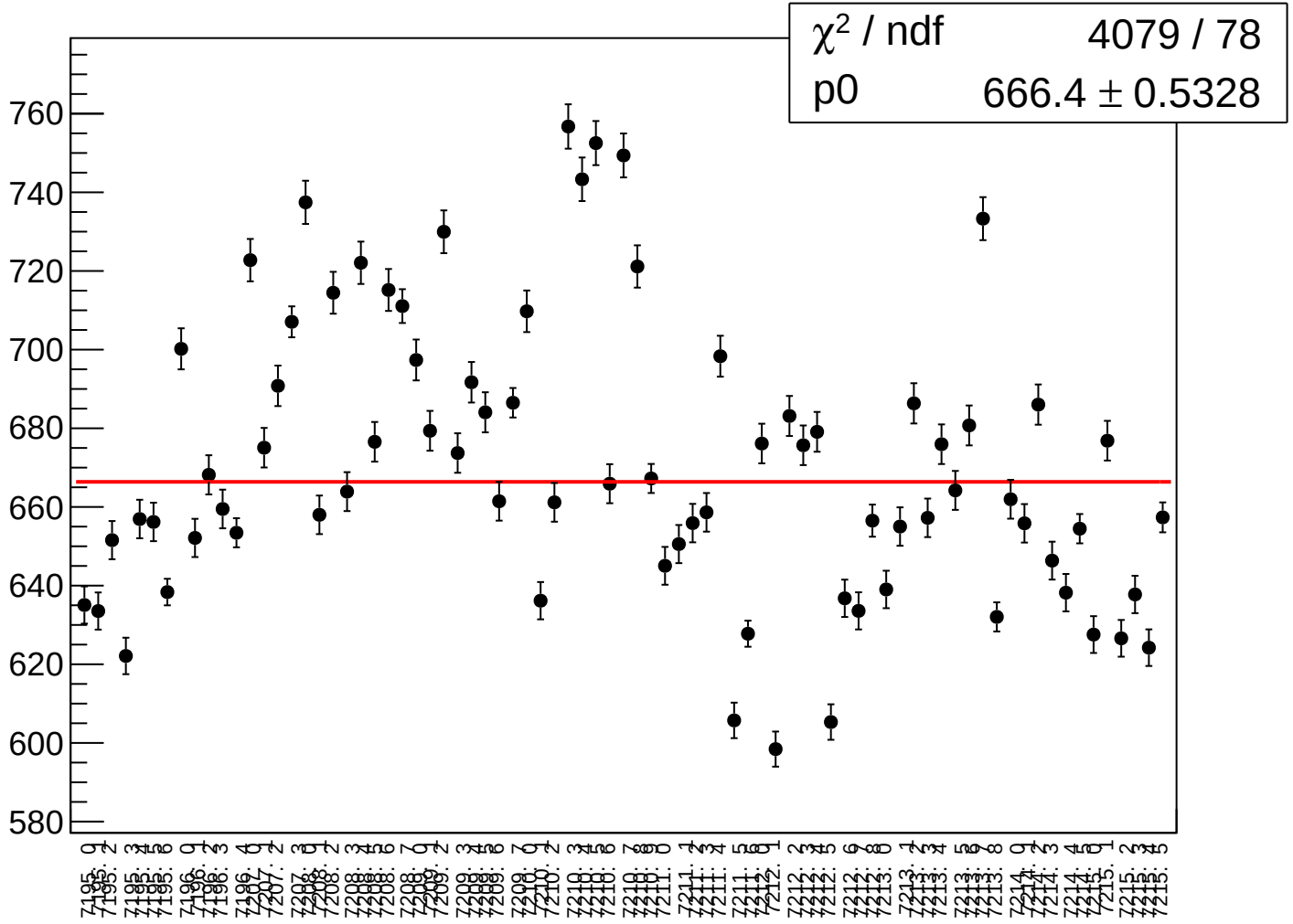

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 94.98 / 78
p0 2473 ± 769.8
pull
Entries 79
Mean −555.9
Std Dev 586.8
pull1D
Entries 79
Mean −0.004526
Std Dev 1.096

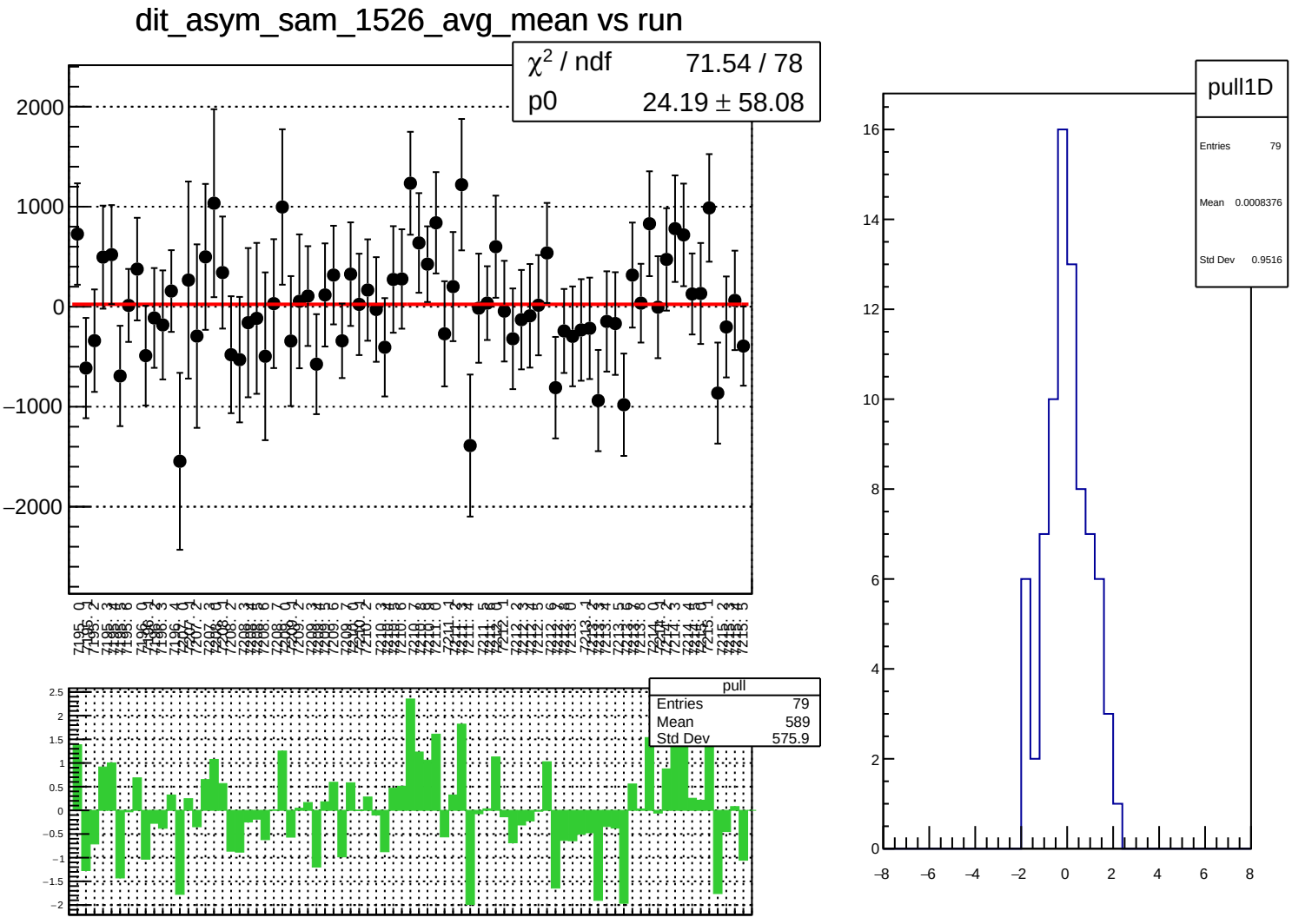
asym_sam_3748_avg_correction_rms vs run



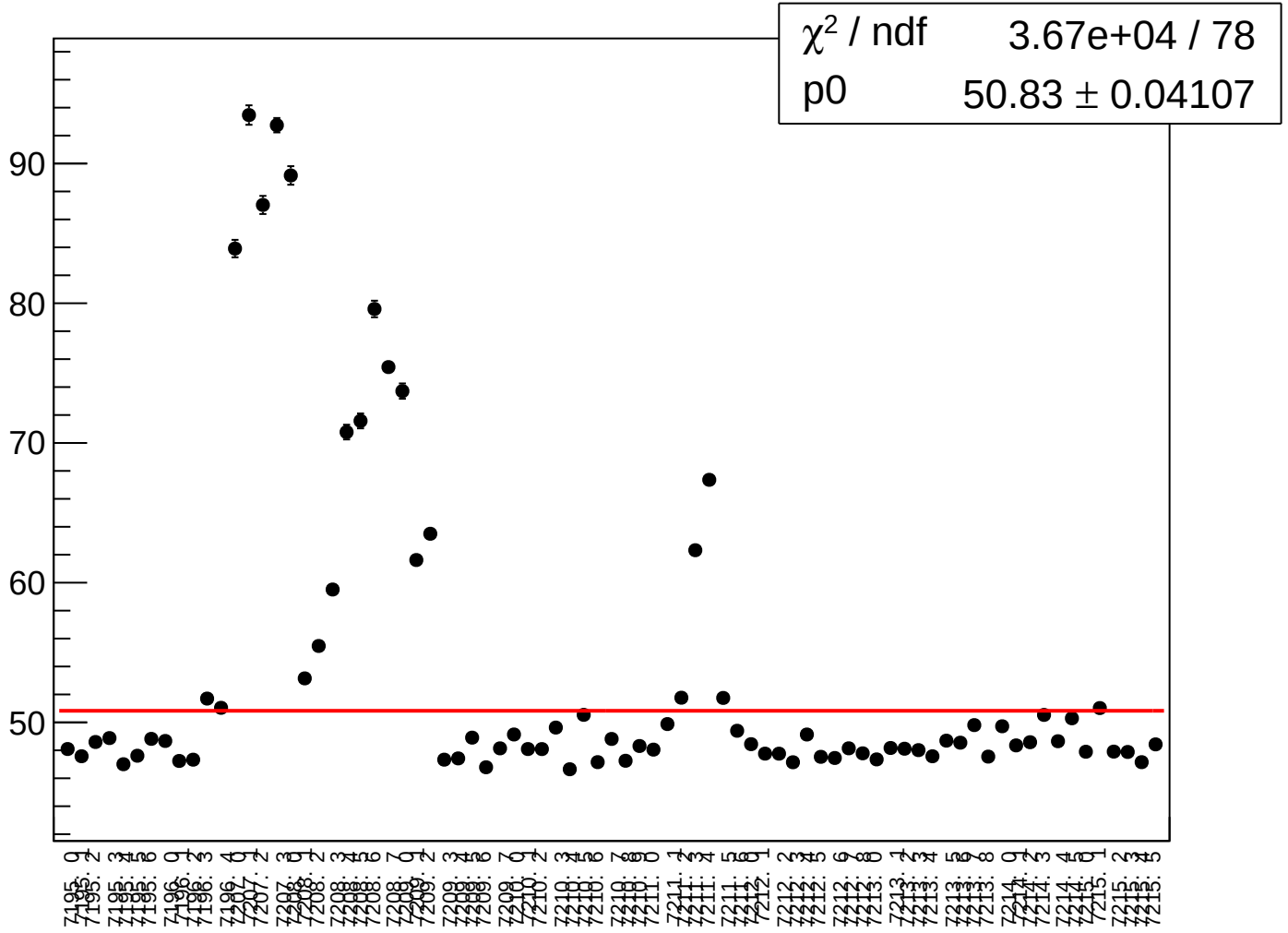

asym_sam_3748_avg_mean vs run
χ^2 / ndf 93.19 / 78
p0 −2232 ± 753.5
pull
Entries 79
Mean −348.4
Std Dev 379.4
pull1D
Entries 79
Mean 0.006447
Std Dev 1.086

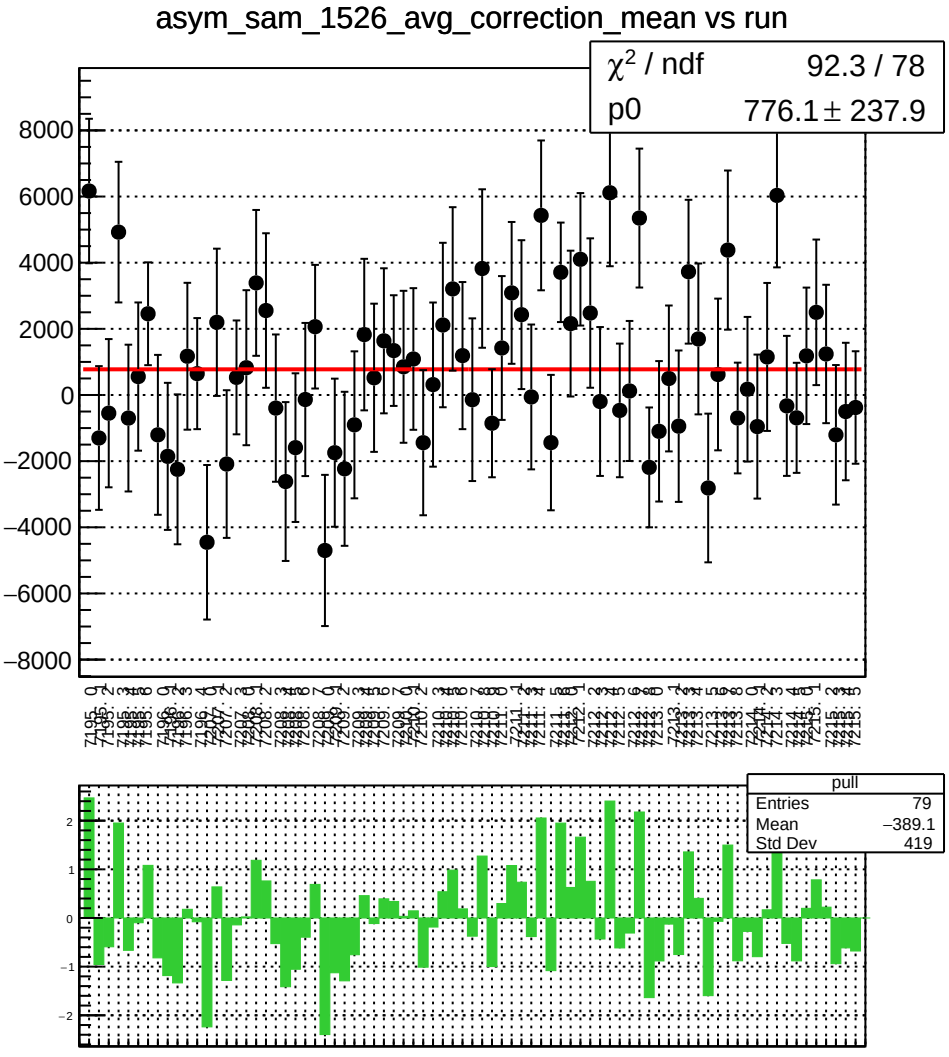
asym_sam_3748_avg_rms vs run

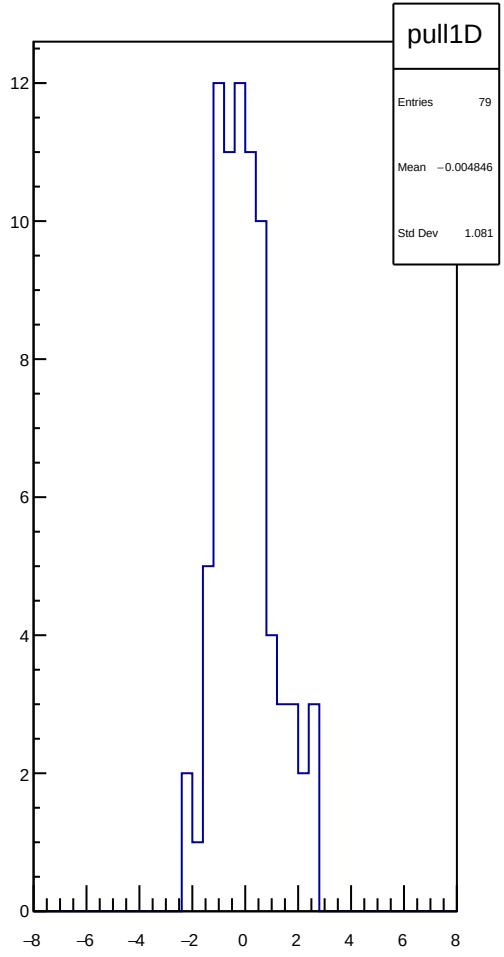



dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 71.54 / 78
p0 24.19 ± 58.08
pull
Entries 79
Mean 589
Std Dev 575.9
pull1D
Entries 79
Mean 0.0008376
Std Dev 0.9516

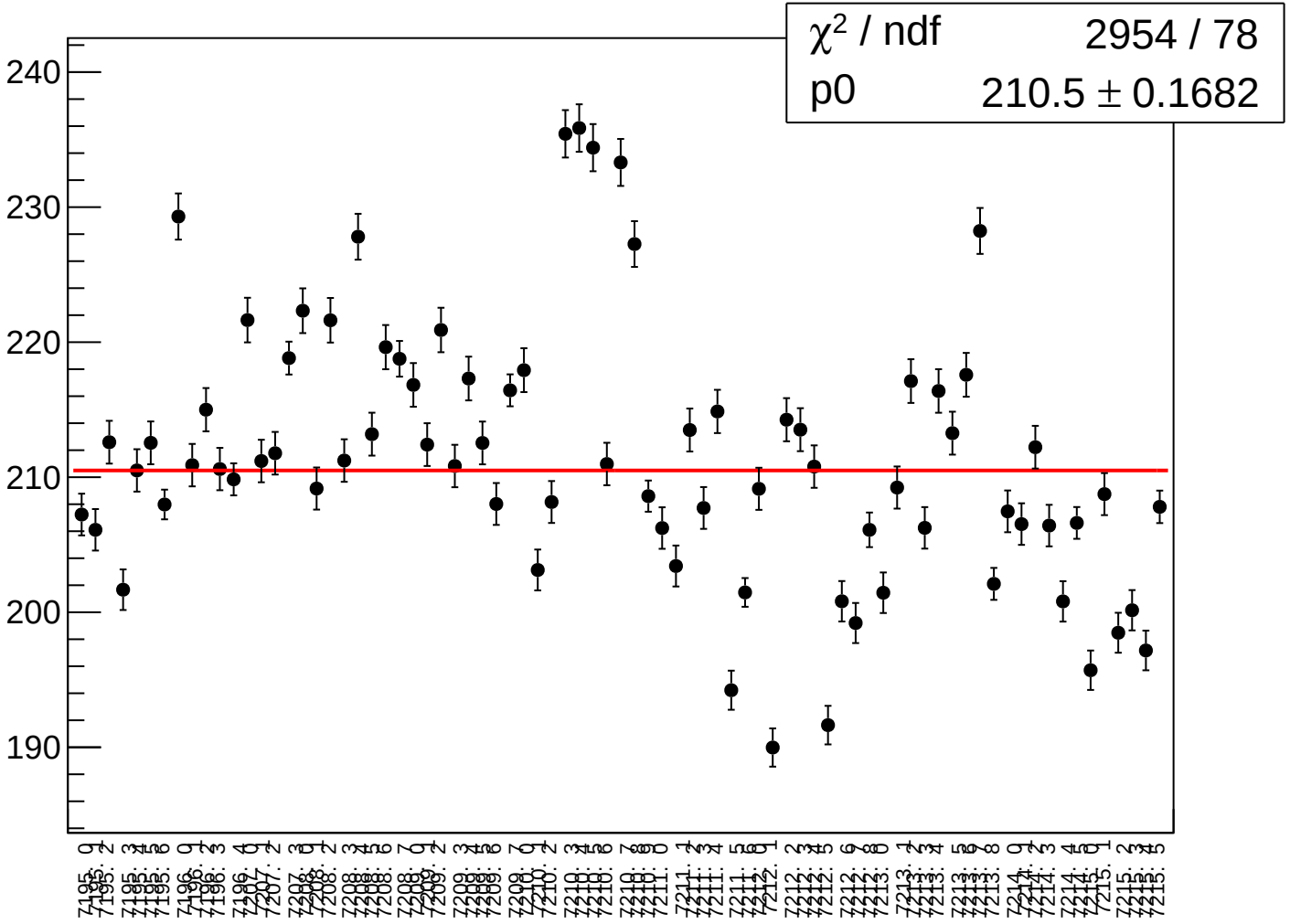
dit_asym_sam_1526_avg_rms vs run

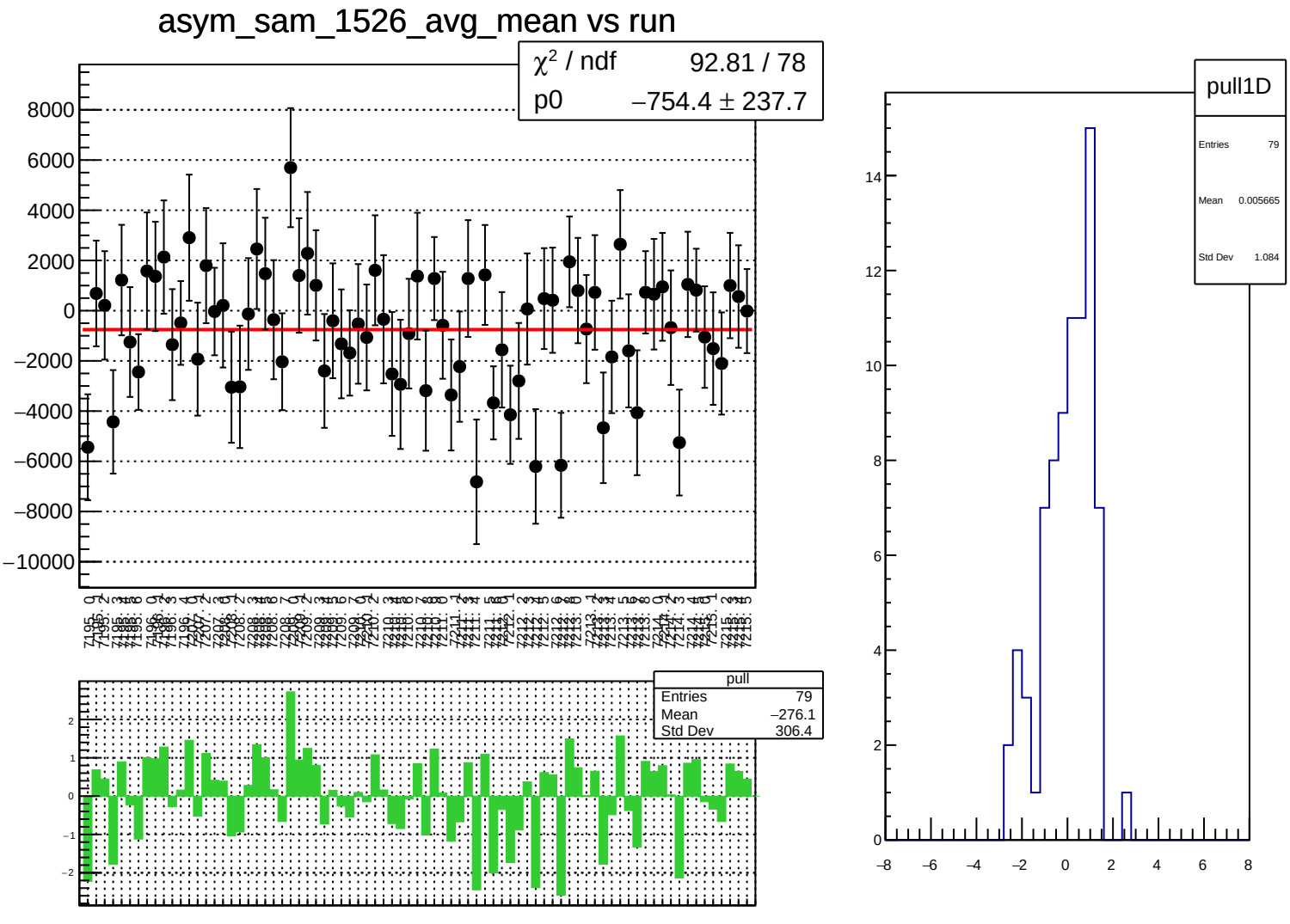


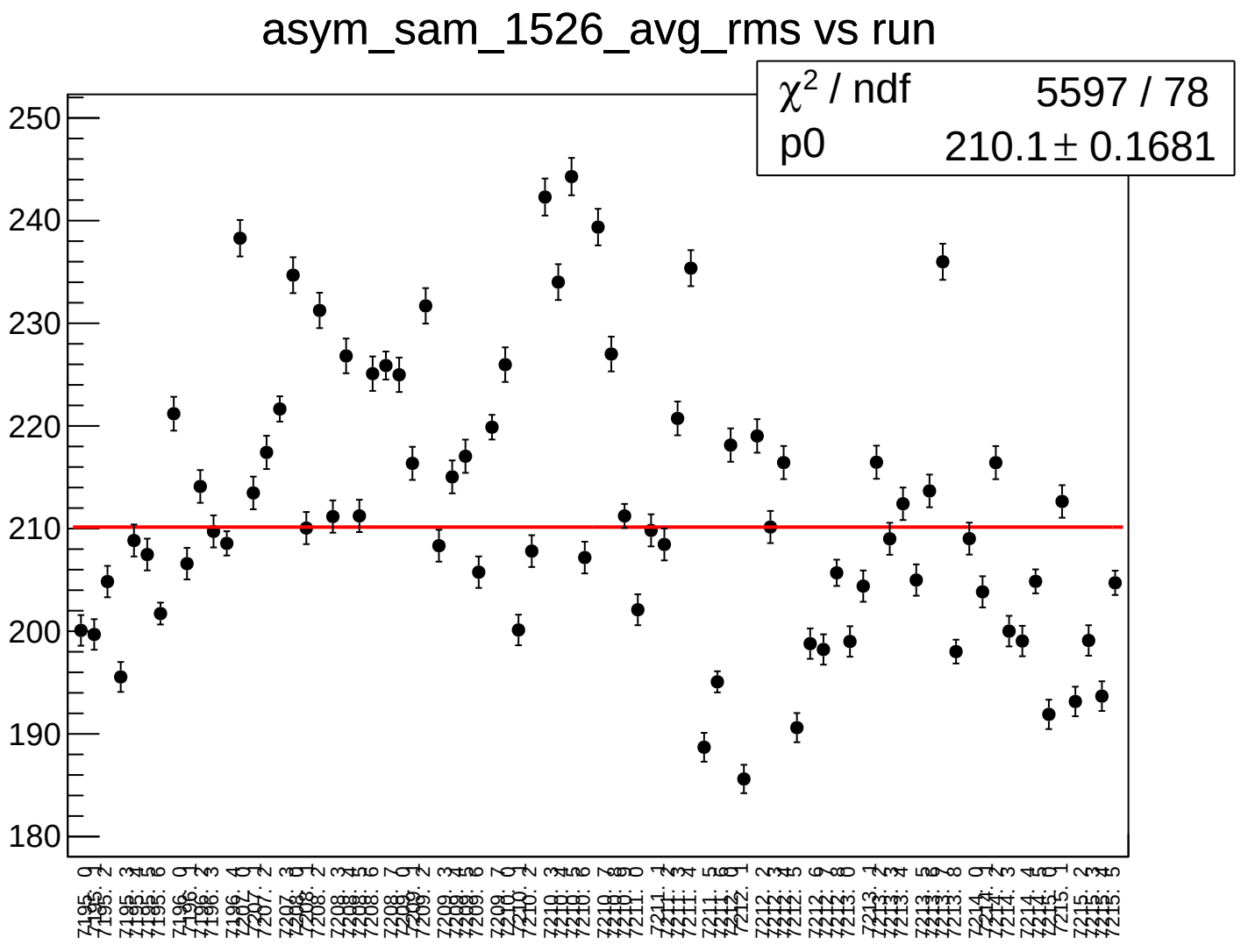

asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 92.3 / 78
p0 776.1 ± 237.9
pull
Entries 79
Mean −389.1
Std Dev 419

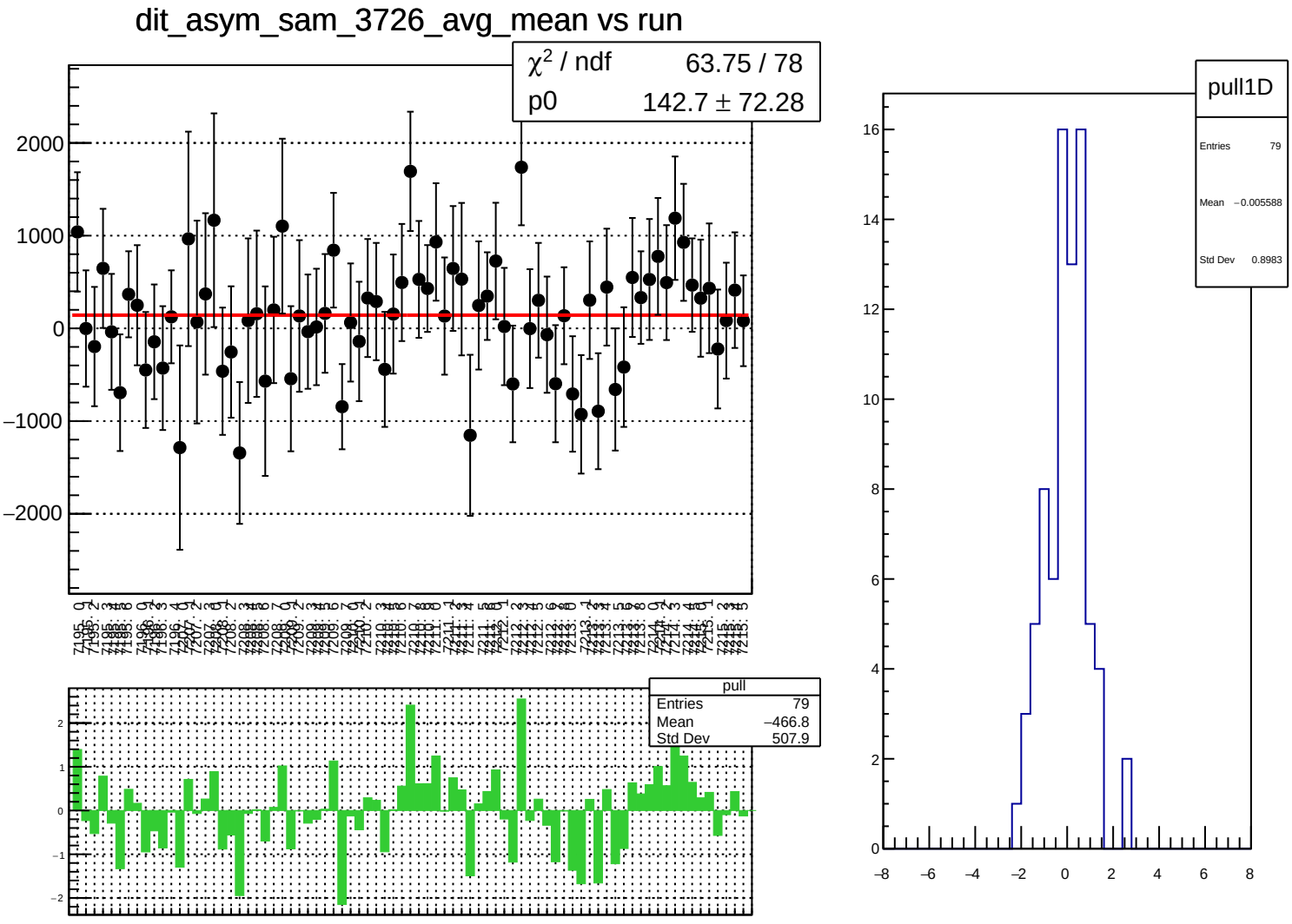

pull1D
Entries 79
Mean −0.004846
Std Dev 1.081

asym_sam_1526_avg_correction_rms vs run

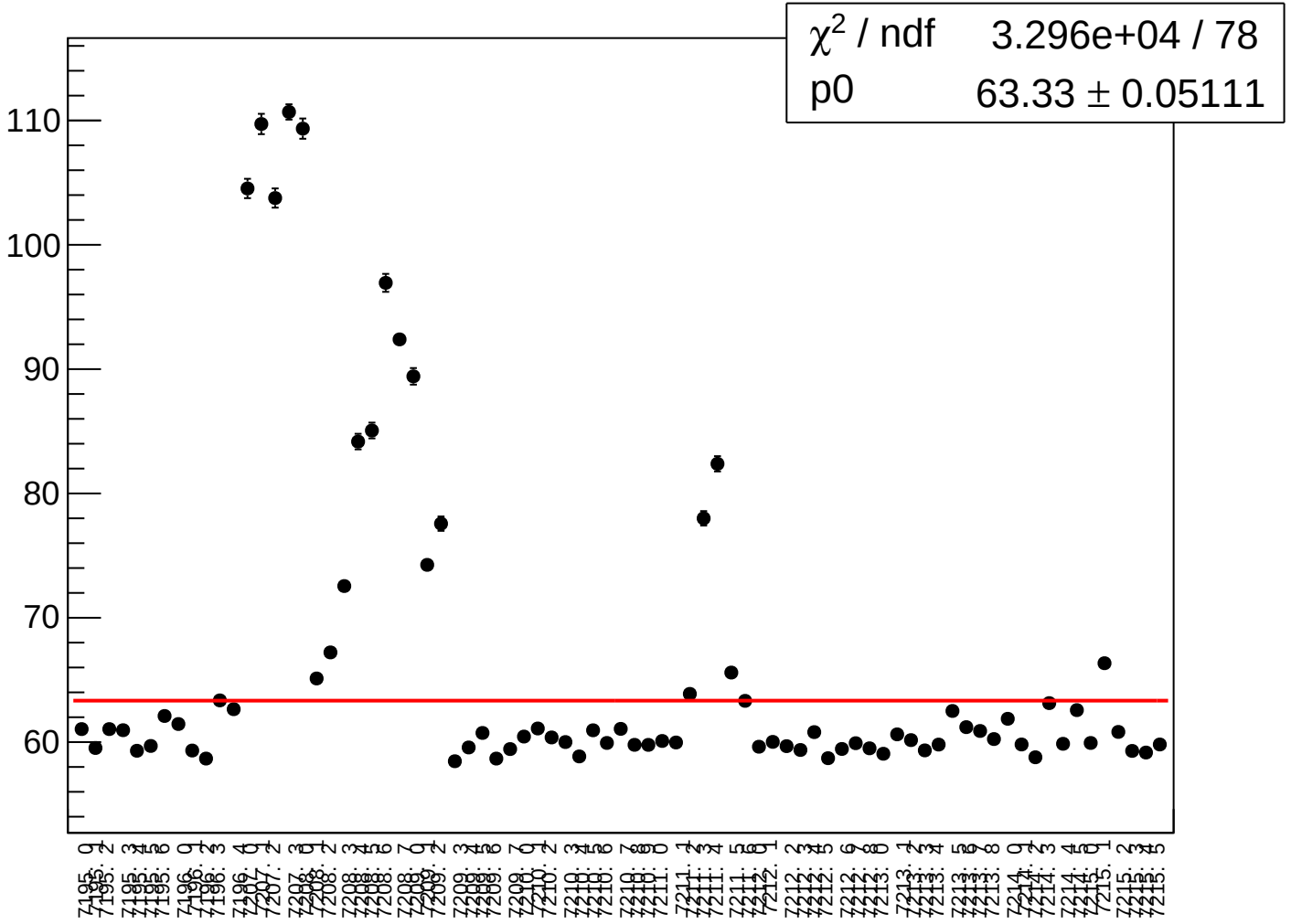


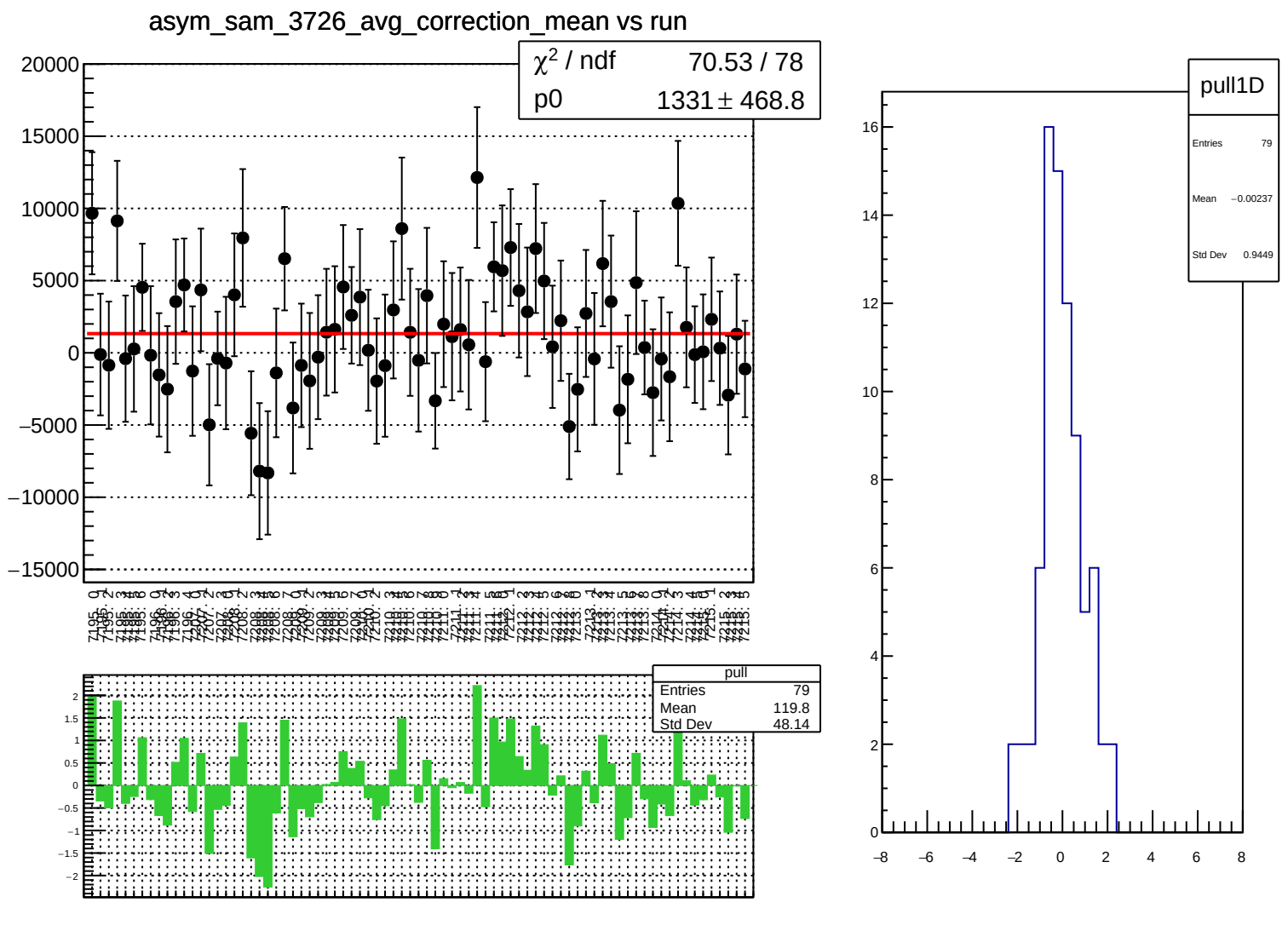

asym_sam_1526_avg_mean vs run
χ² / ndf 92.81 / 78
p0 −754.4 ± 237.7
pull
Entries 79
Mean −276.1
Std Dev 306.4
pull1D
Entries 79
Mean 0.005665
Std Dev 1.084

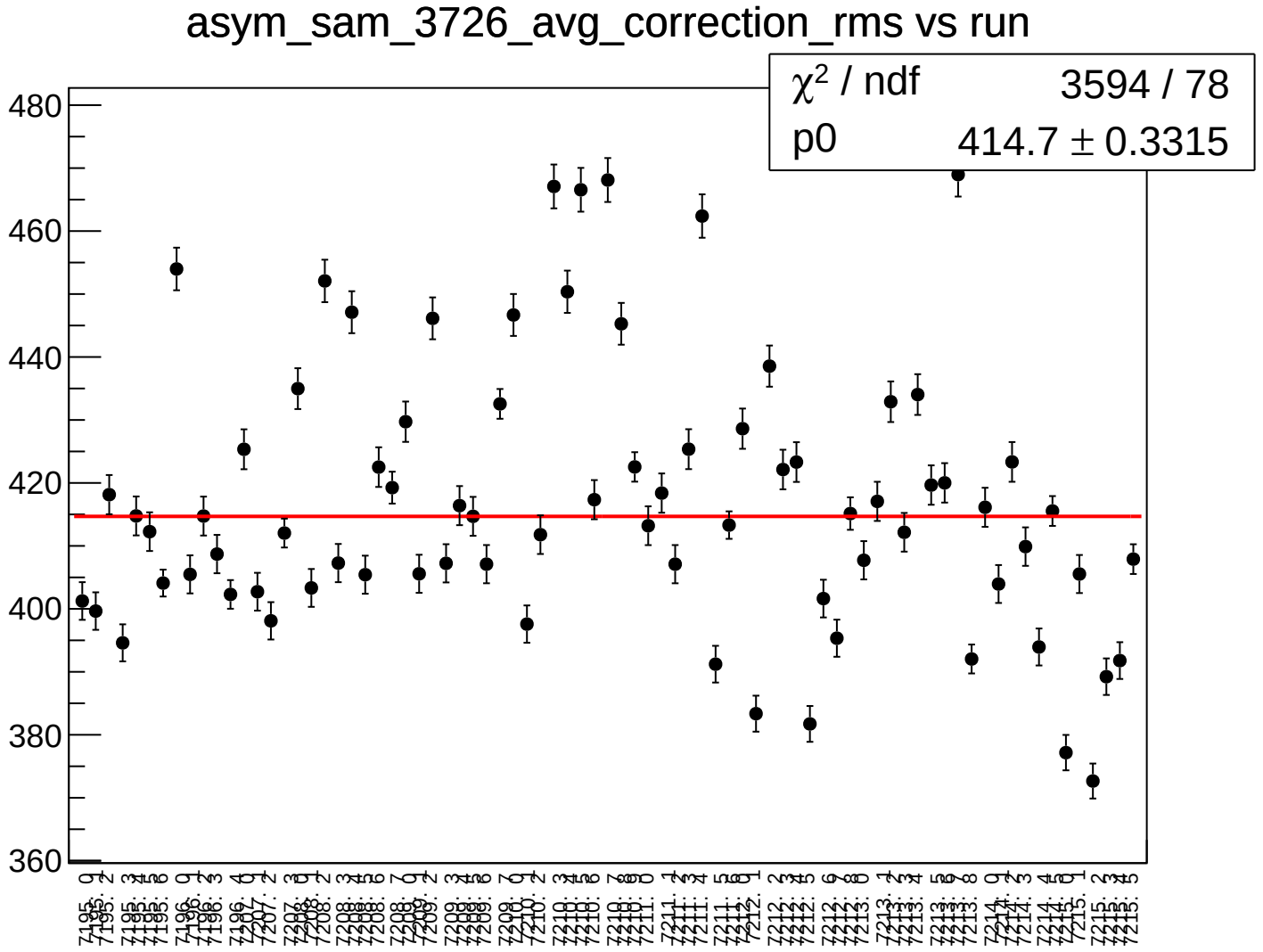

asym_sam_1526_avg_rms vs run
χ^2 / ndf 5597 / 78
p0 210.1 ± 0.1681
250
240
230
220
210
200
190
180

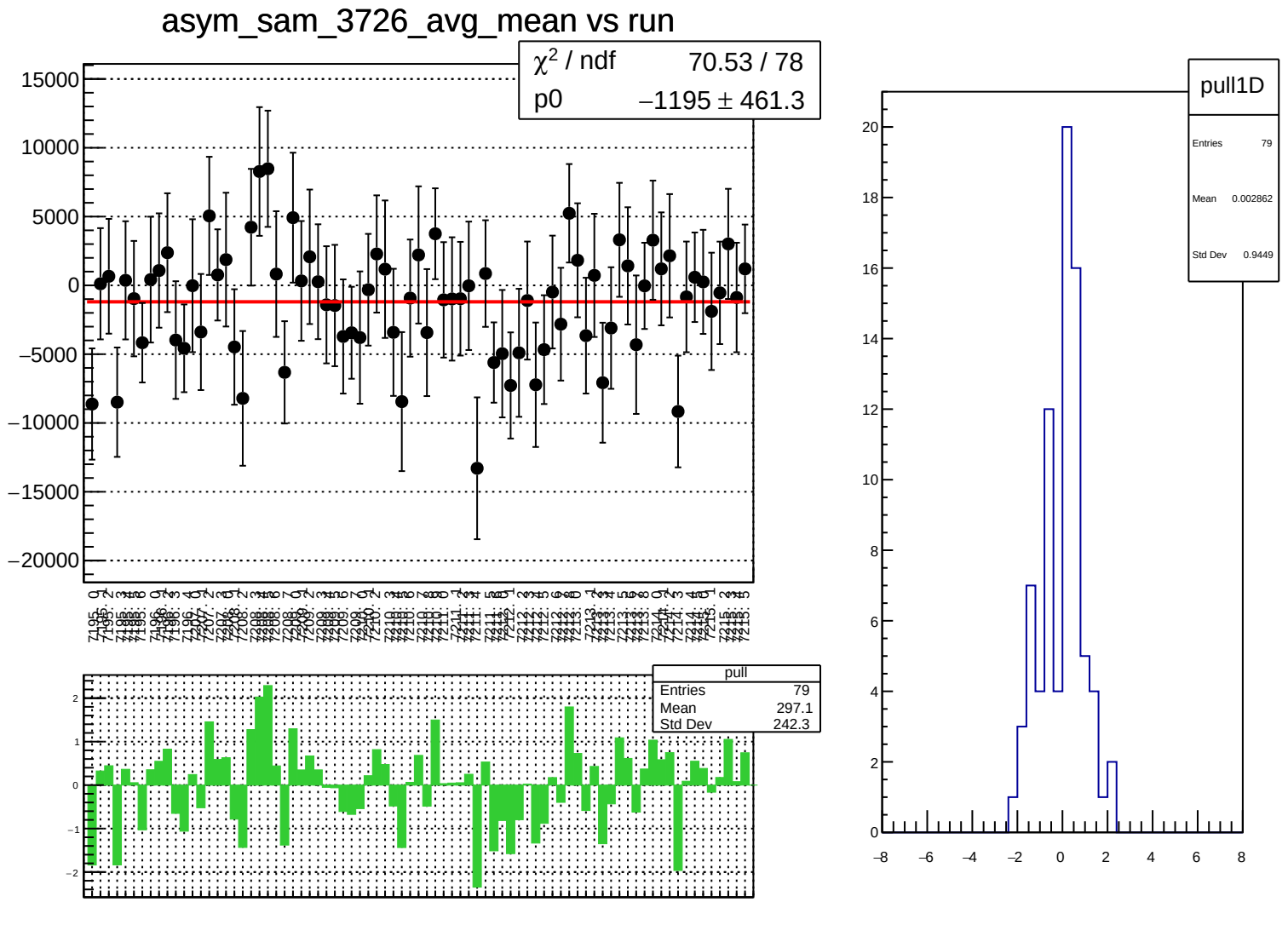

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 63.75 / 78
p0 142.7 ± 72.28
pull
Entries 79
Mean −466.8
Std Dev 507.9
pull1D
Entries 79
Mean −0.005588
Std Dev 0.8983

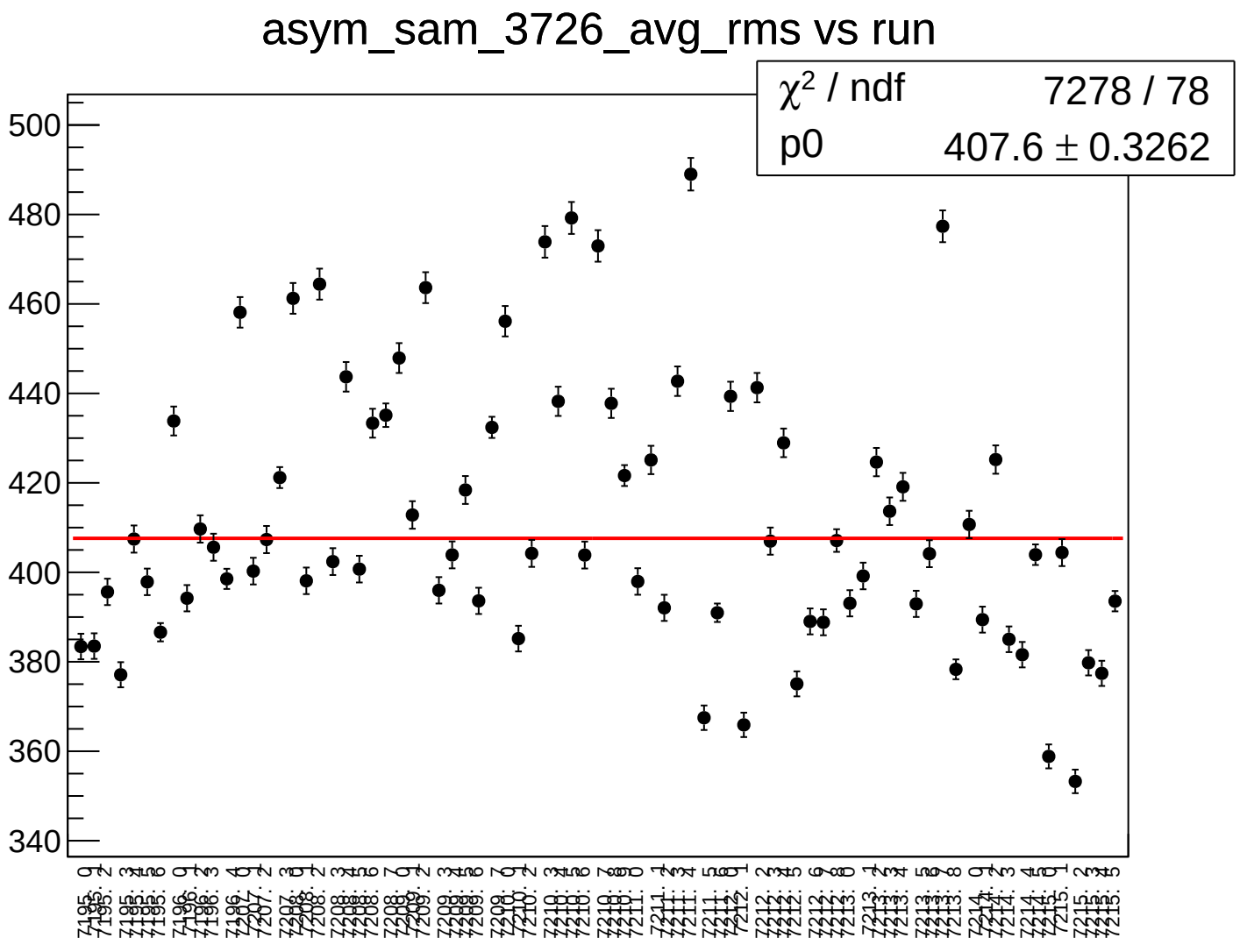
dit_asym_sam_3726_avg_rms vs run

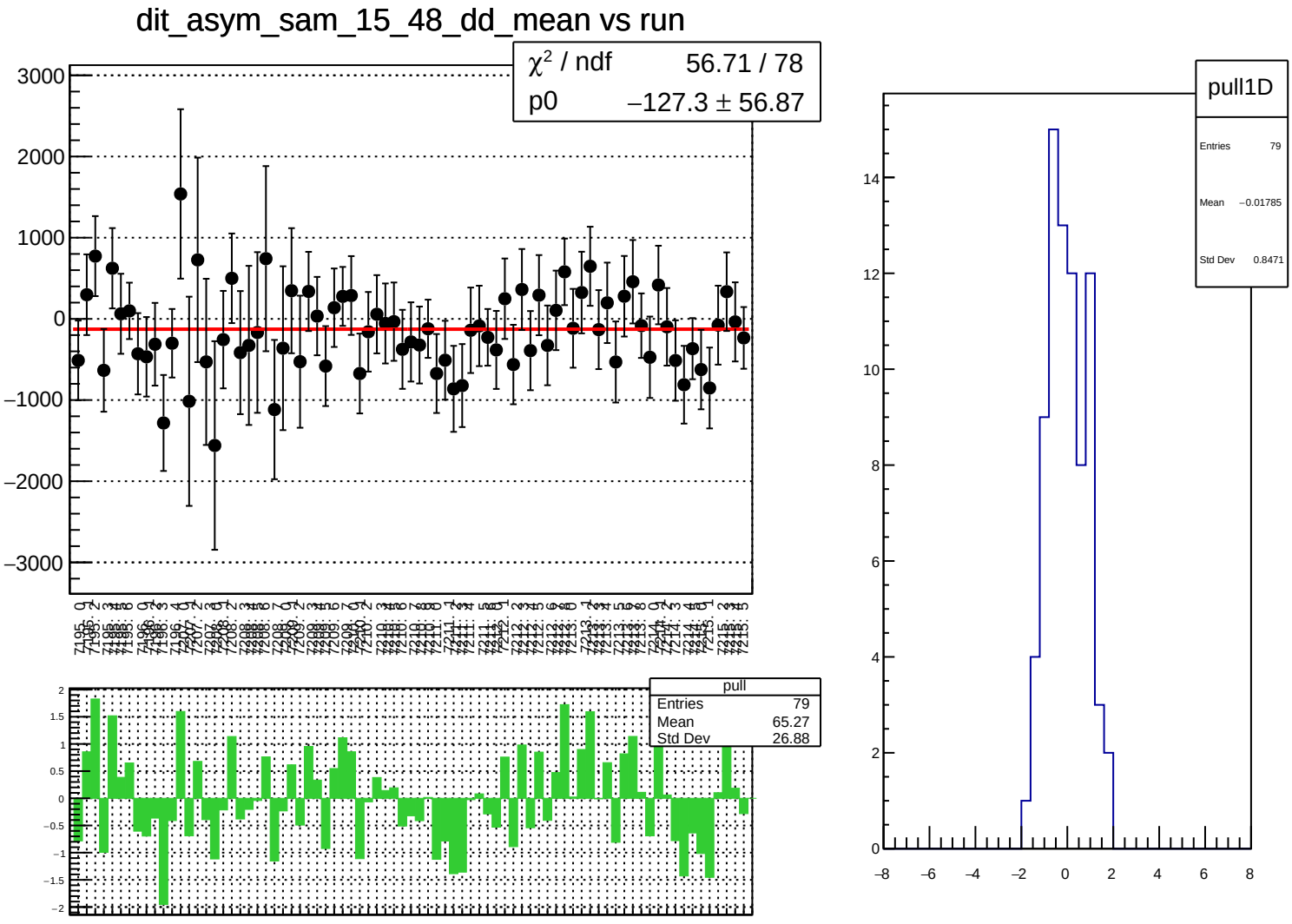



asym_sam_3726_avg_correction_mean vs run
χ² / ndf 70.53 / 78
p0 1331 ± 468.8
pull
Entries 79
Mean 119.8
Std Dev 48.14
pull1D
Entries 79
Mean −0.00237
Std Dev 0.9449

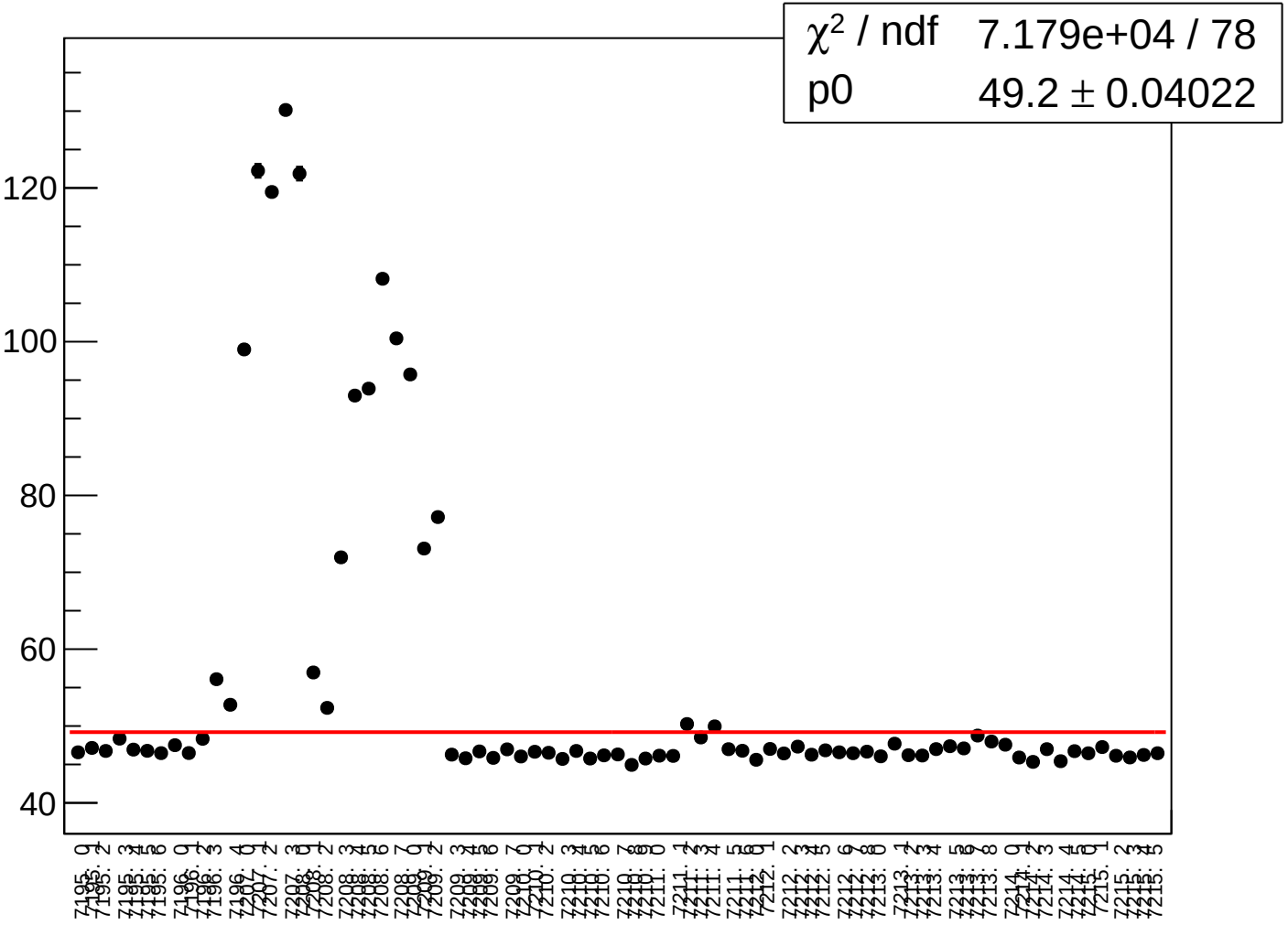

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 3594 / 78
p0 414.7 ± 0.3315
480
460
440
420
400
380
360

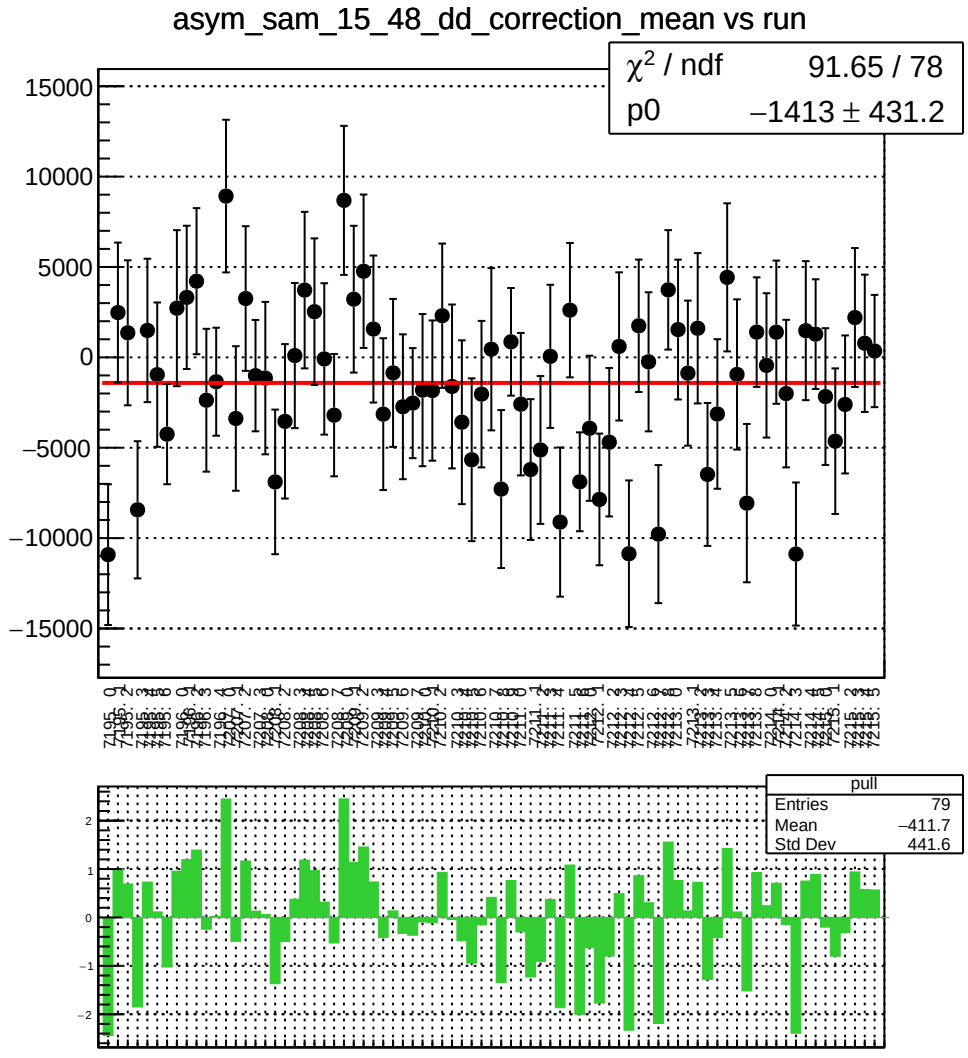

asym_sam_3726_avg_mean vs run
χ² / ndf 70.53 / 78
p0 −1195 ± 461.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 79
Mean 297.1
Std Dev 242.3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.002862
Std Dev 0.9449
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

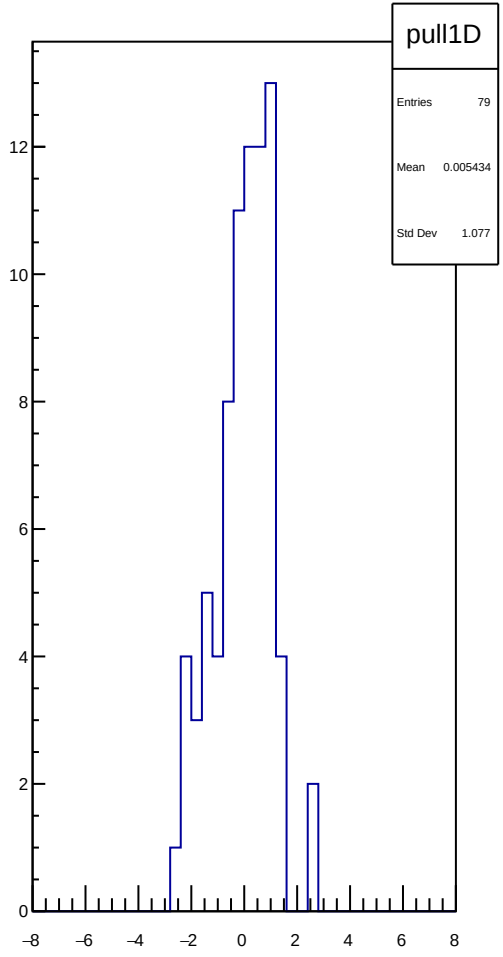

asym_sam_3726_avg_rms vs run
χ² / ndf 7278 / 78
p0 407.6 ± 0.3262
500
480
460
440
420
400
380
360
340

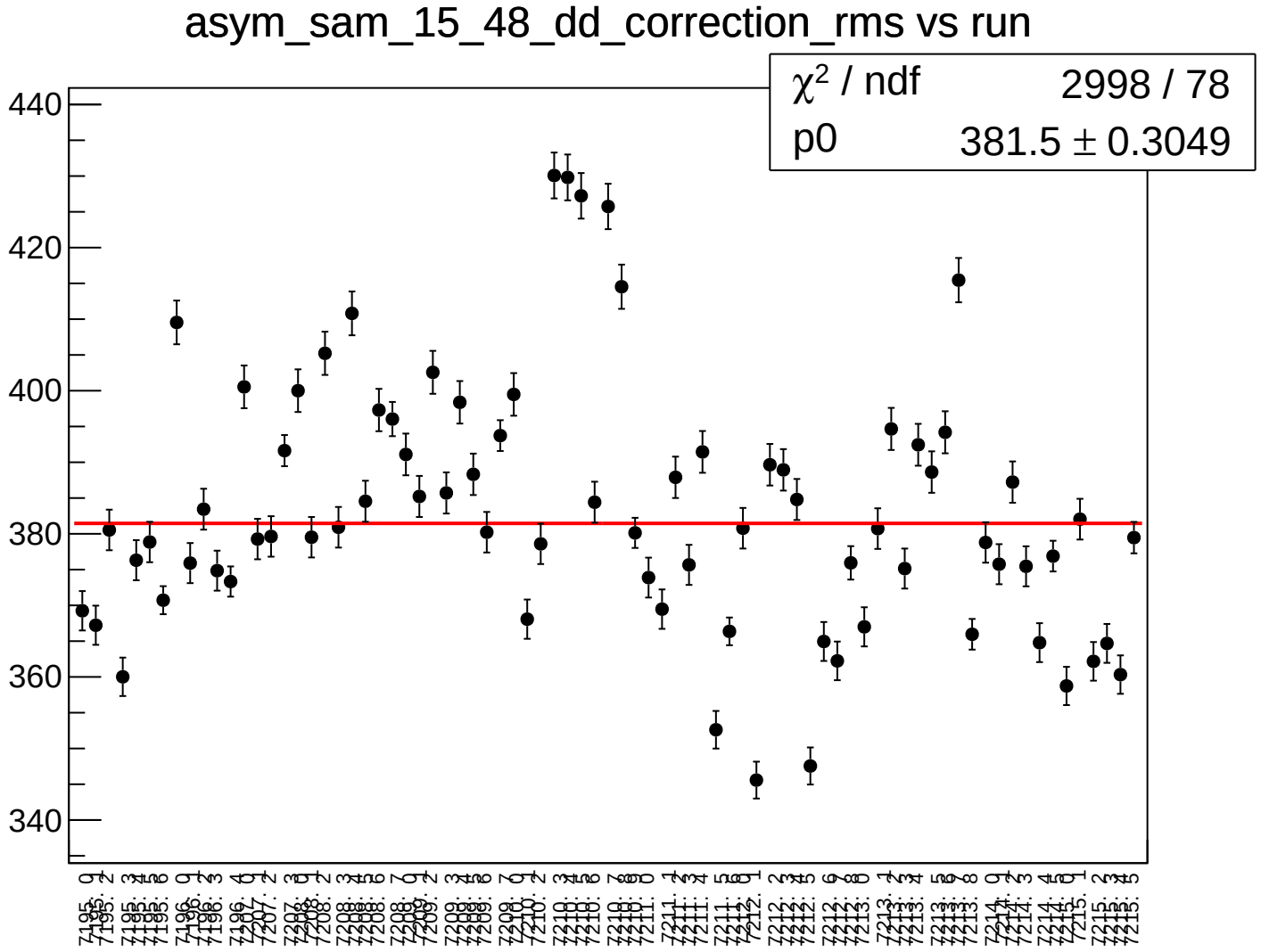

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 56.71 / 78
p0 −127.3 ± 56.87
pull
Entries 79
Mean 65.27
Std Dev 26.88
pull1D
Entries 79
Mean −0.01785
Std Dev 0.8471

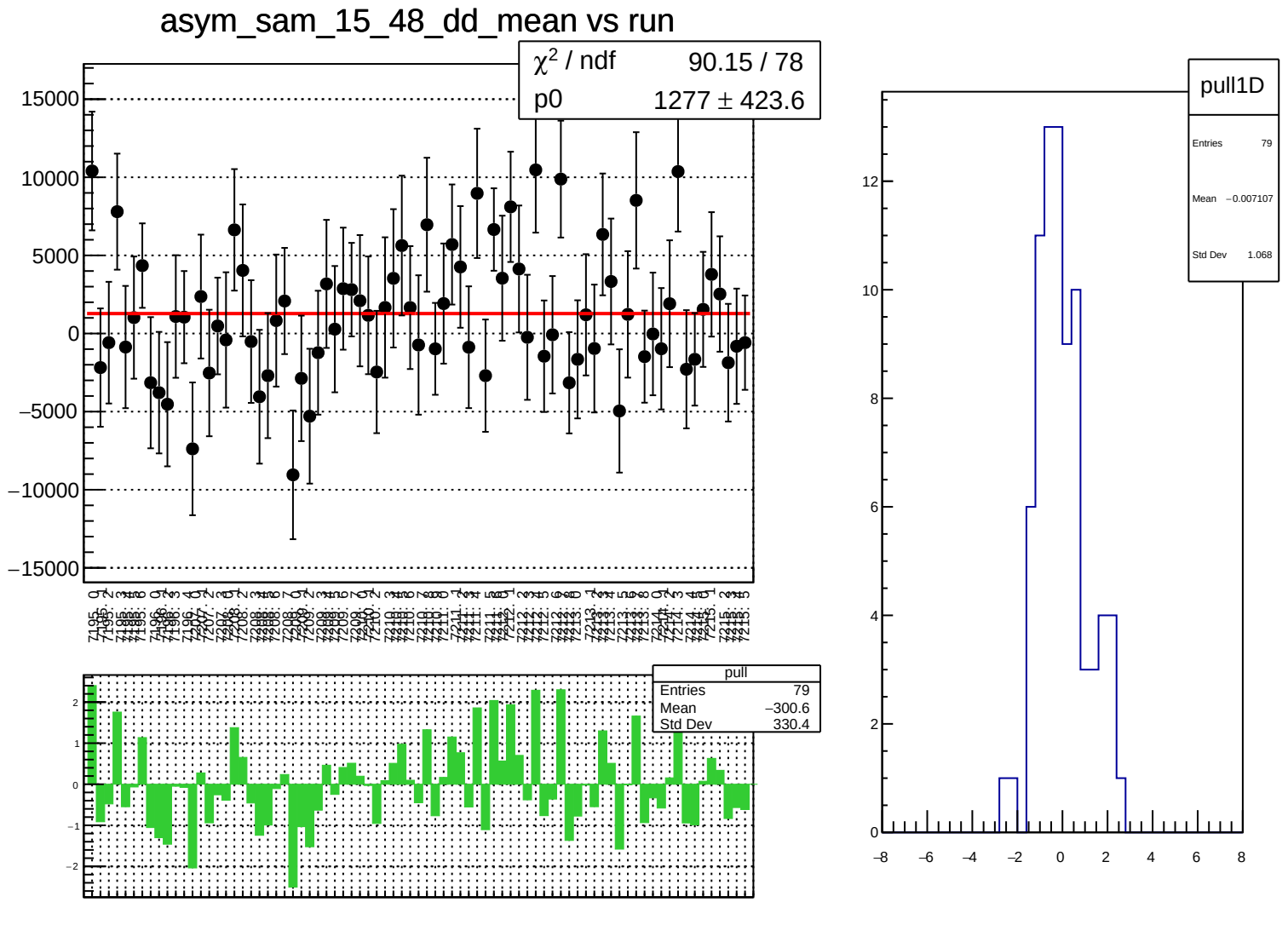
dit_asym_sam_15_48_dd_rms vs run



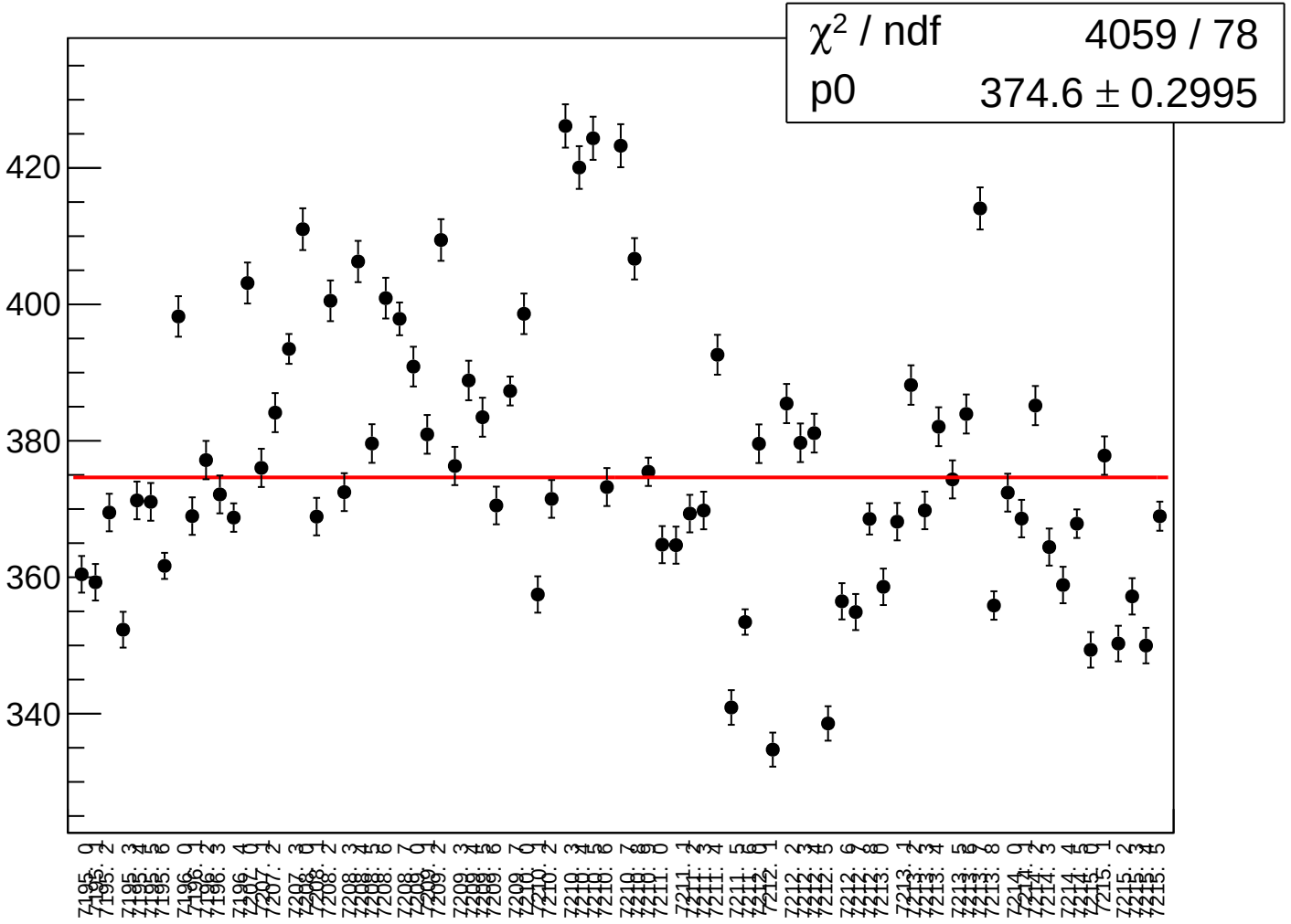

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 91.65 / 78
p0 −1413 ± 431.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −411.7
Std Dev 441.6
2
1
0
−1
−2

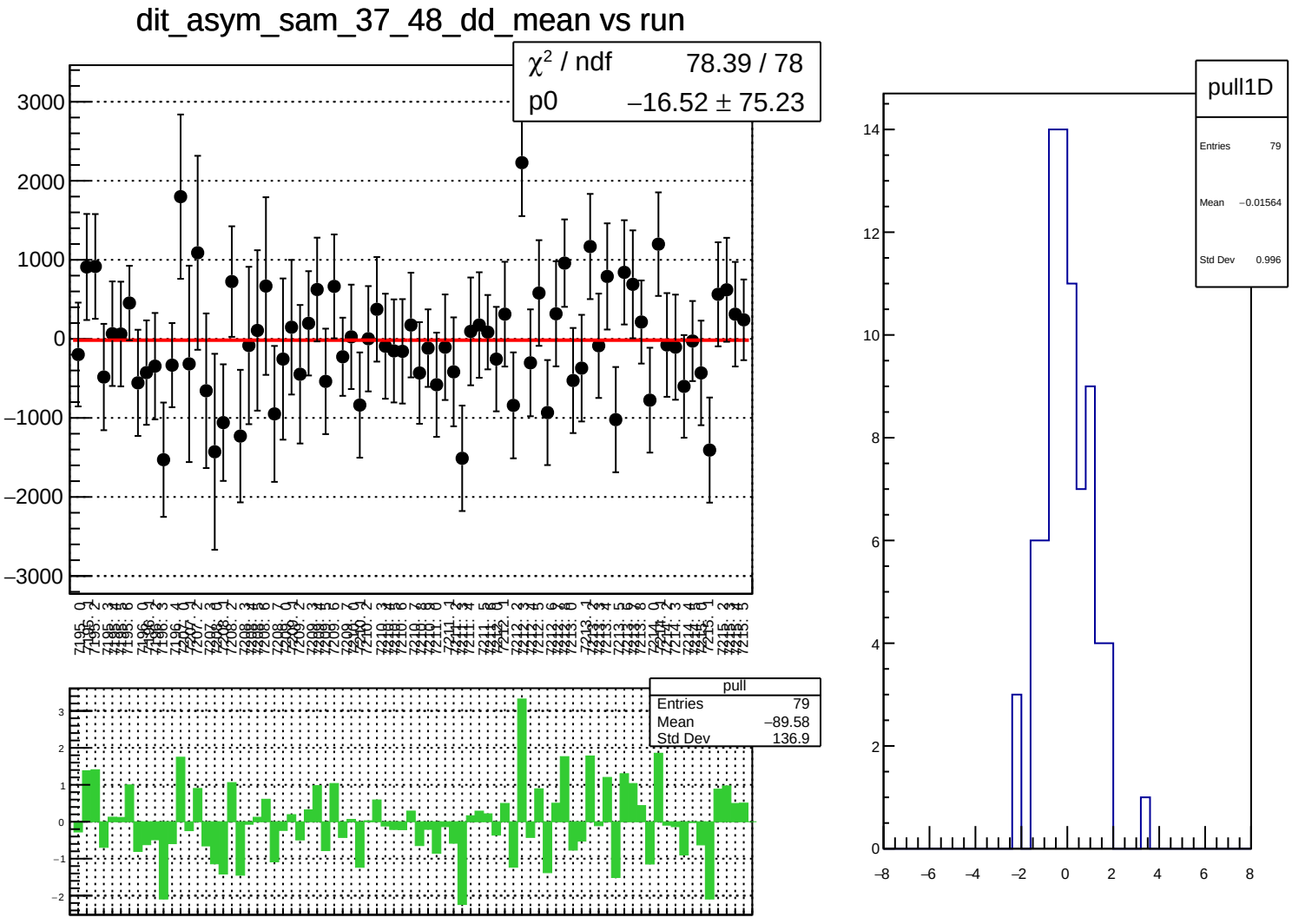

pull1D
Entries 79
Mean 0.005434
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 2998 / 78
p0 381.5 ± 0.3049
440
420
400
380
360
340

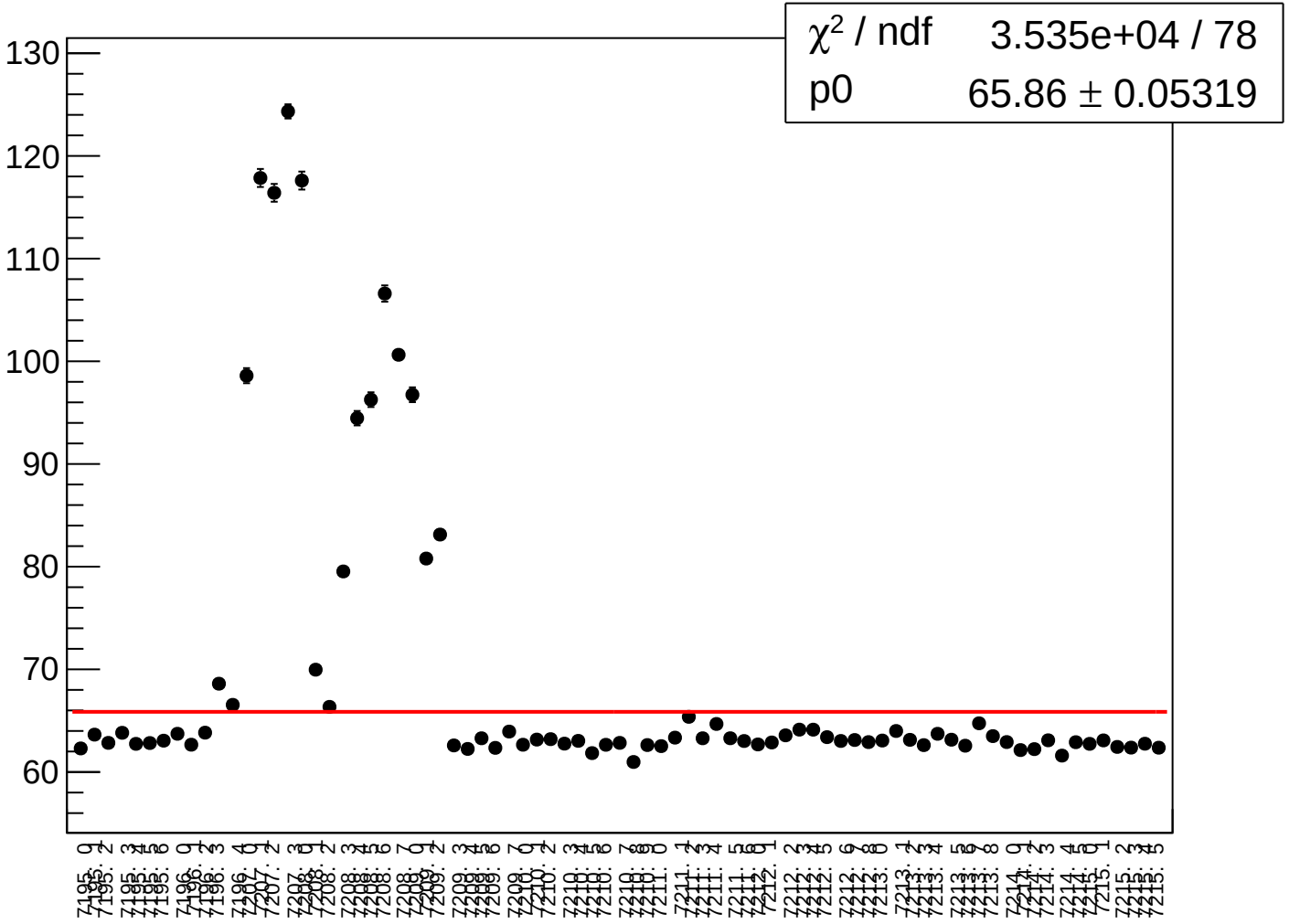

asym_sam_15_48_dd_mean vs run
χ² / ndf 90.15 / 78
p0 1277 ± 423.6
pull
Entries 79
Mean −300.6
Std Dev 330.4
pull1D
Entries 79
Mean −0.007107
Std Dev 1.068

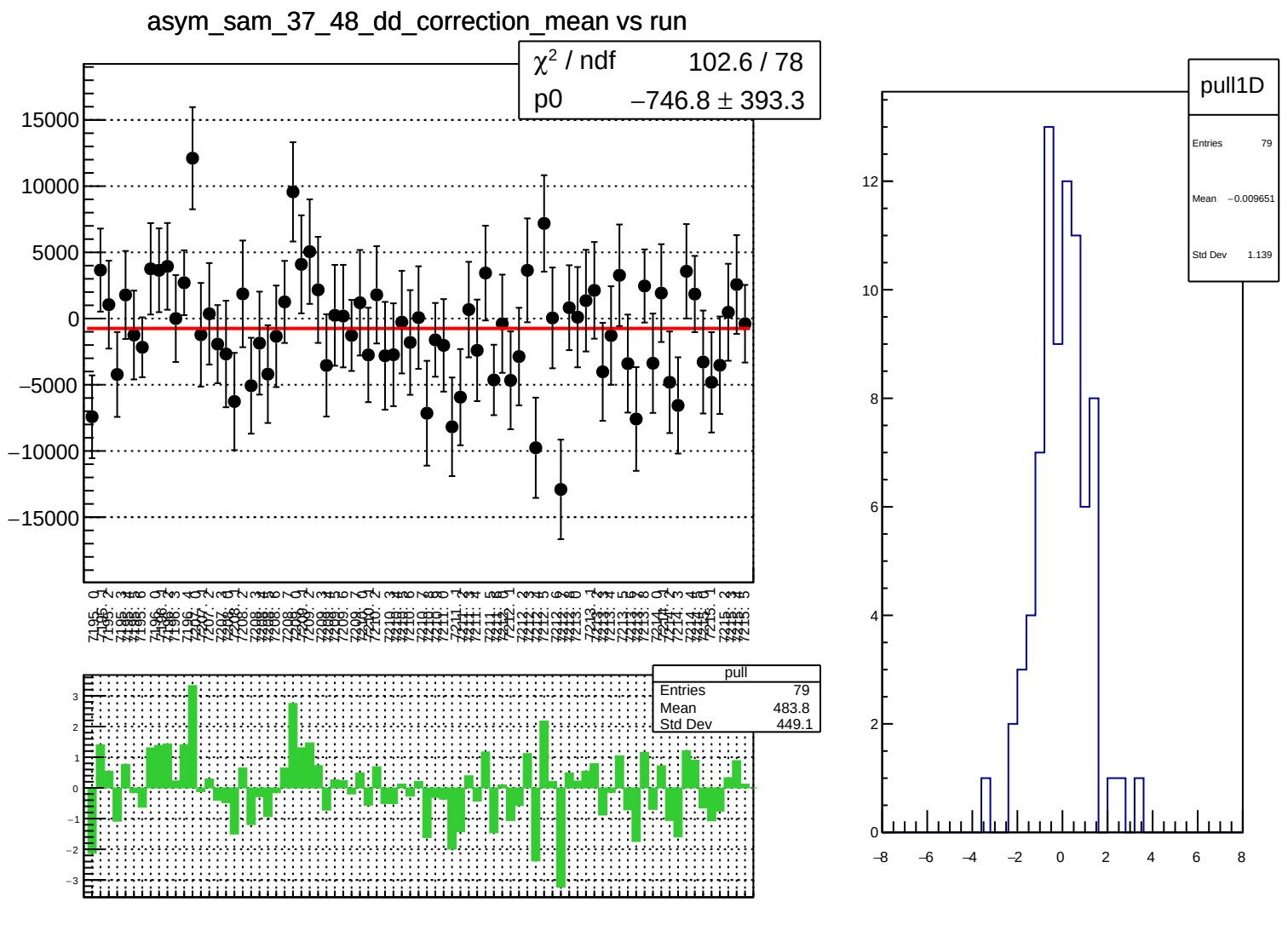
asym_sam_15_48_dd_rms vs run

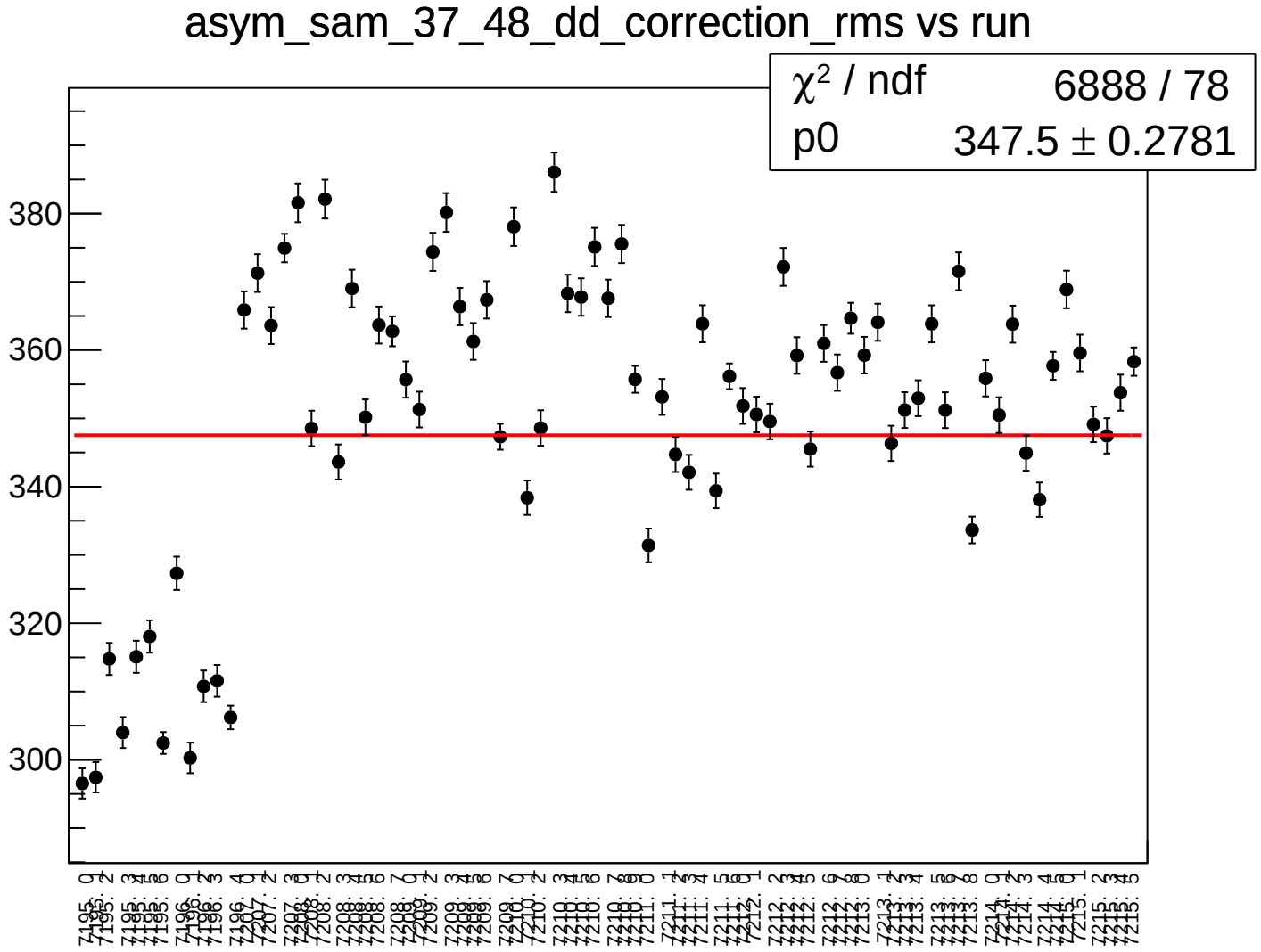


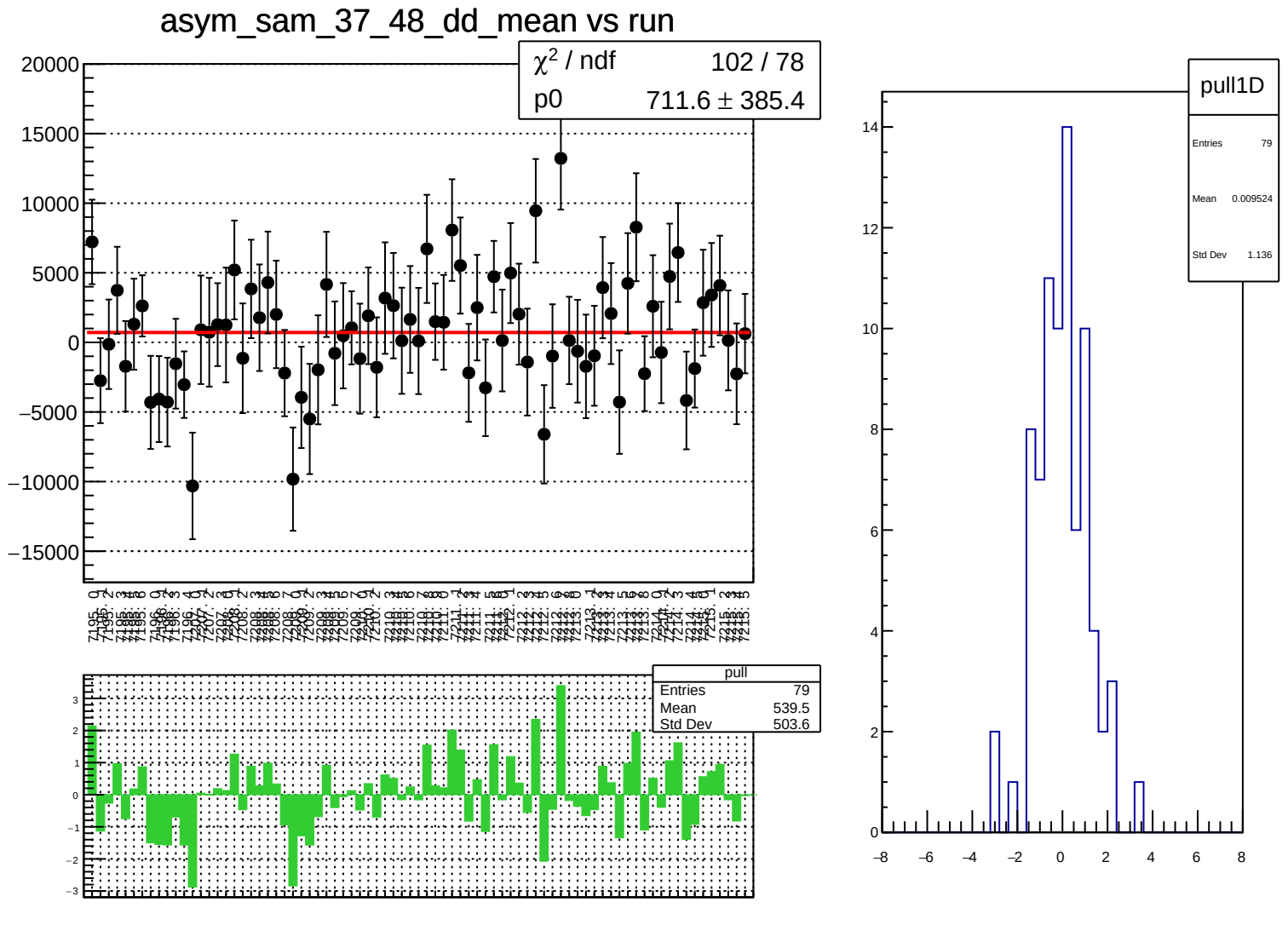

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 78.39 / 78
p0 −16.52 ± 75.23
pull
Entries 79
Mean −89.58
Std Dev 136.9
pull1D
Entries 79
Mean −0.01564
Std Dev 0.996

dit_asym_sam_37_48_dd_rms vs run

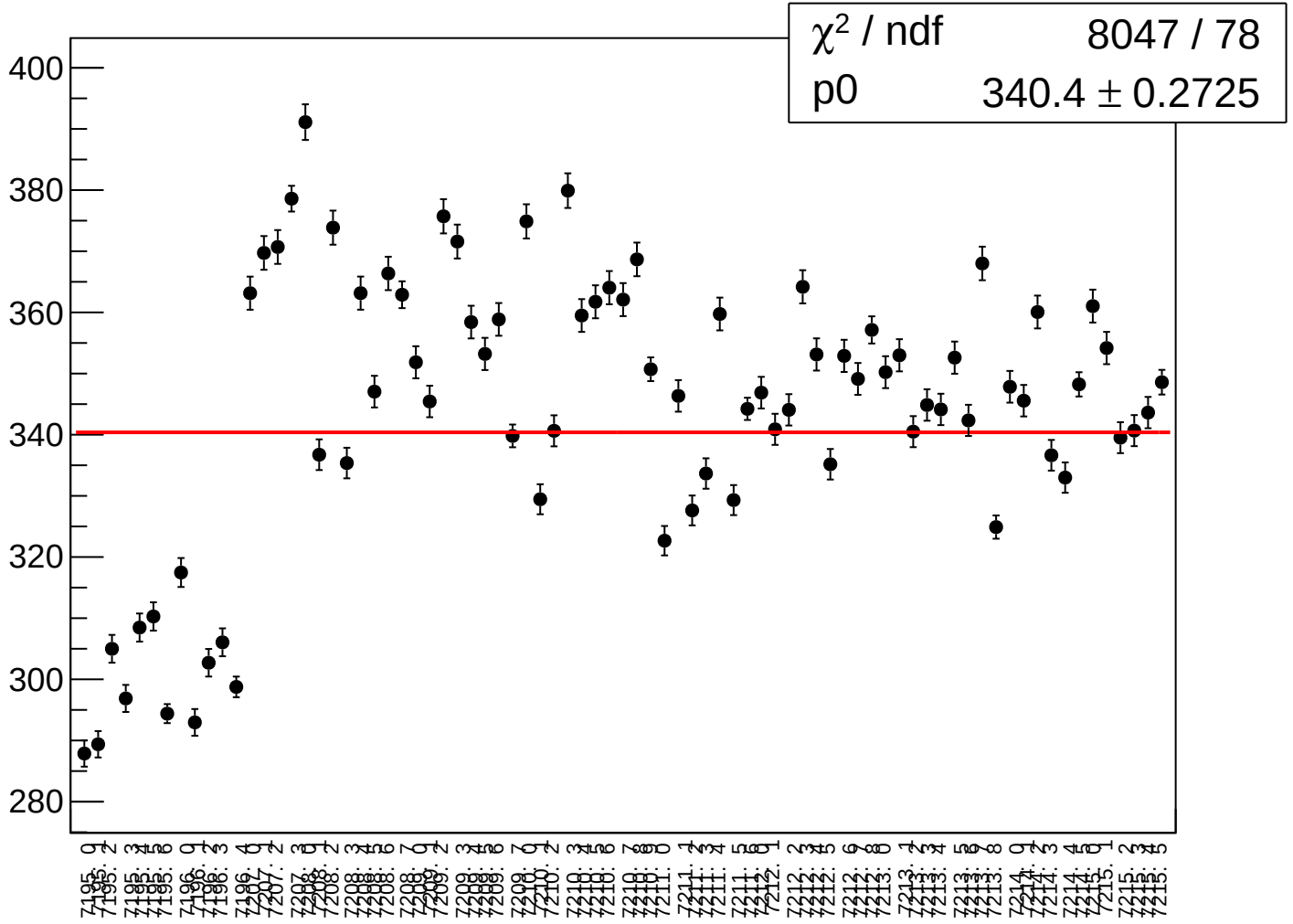


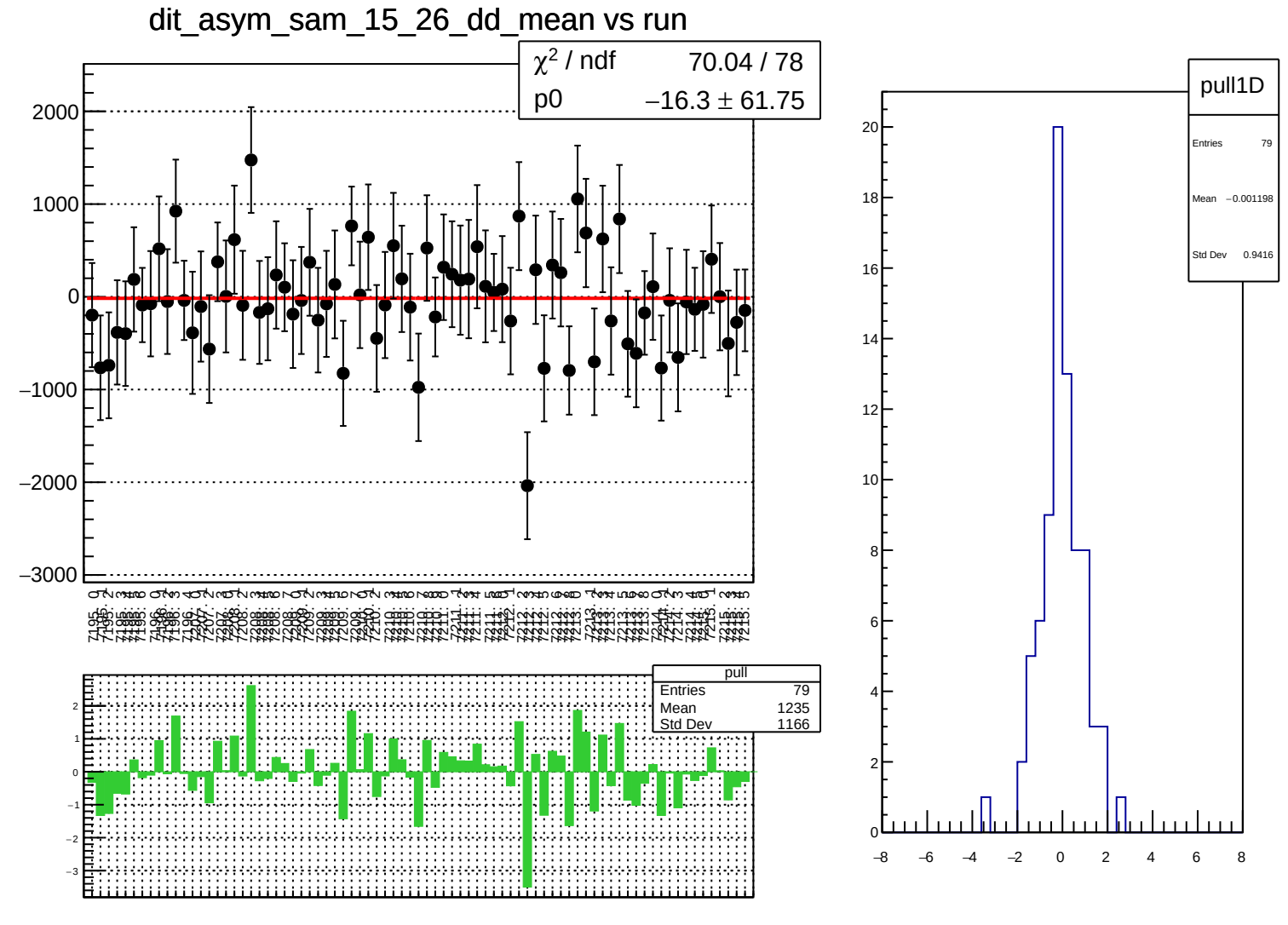

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 102.6 / 78
p0 −746.8 ± 393.3
pull
Entries 79
Mean 483.8
Std Dev 449.1
pull1D
Entries 79
Mean −0.009651
Std Dev 1.139


asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 6888 / 78
p0 347.5 ± 0.2781
380
360
340
320
300

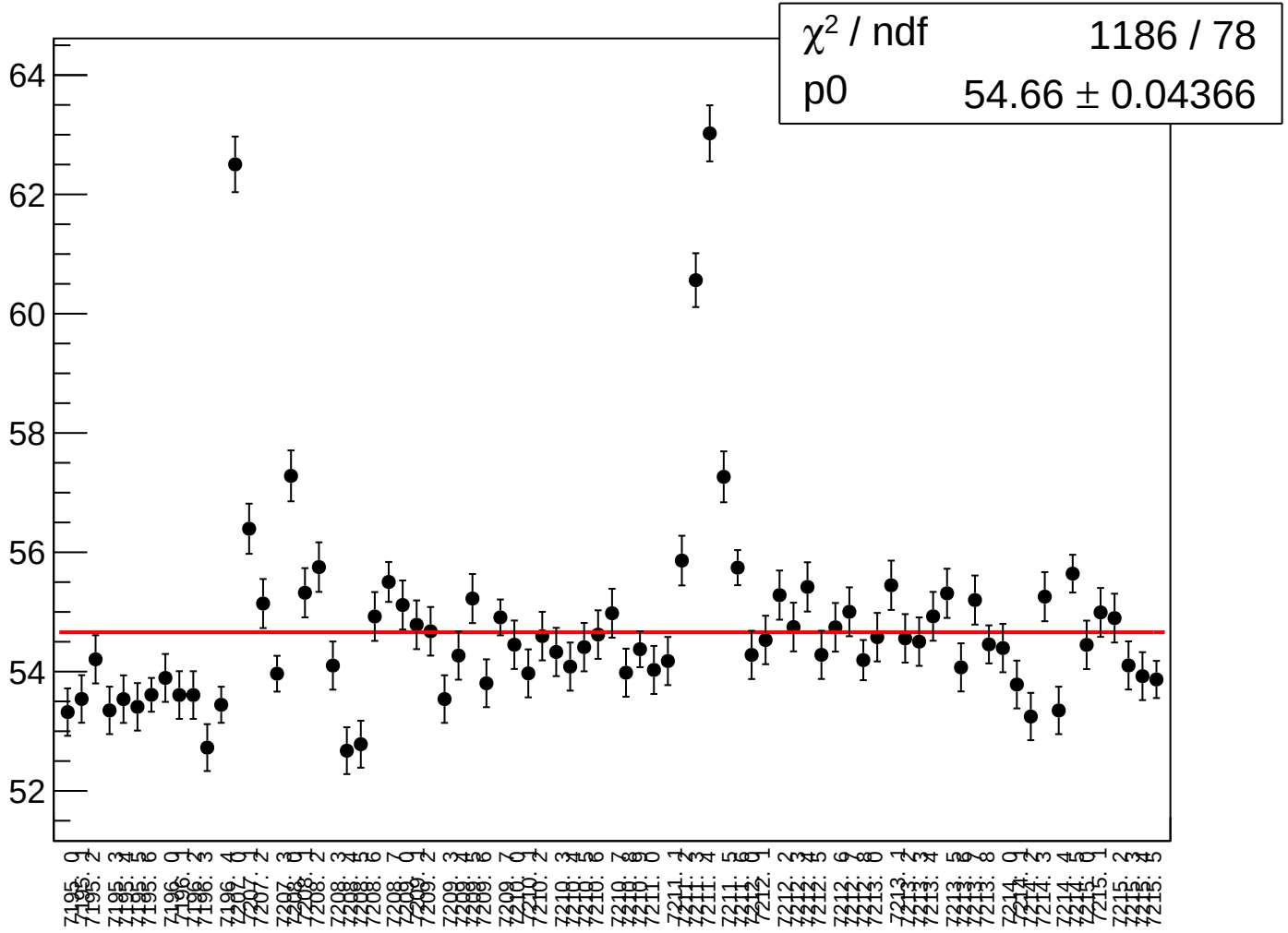

asym_sam_37_48_dd_mean vs run
χ² / ndf 102 / 78
p0 711.6 ± 385.4
pull
Entries 79
Mean 539.5
Std Dev 503.6
pull1D
Entries 79
Mean 0.009524
Std Dev 1.136

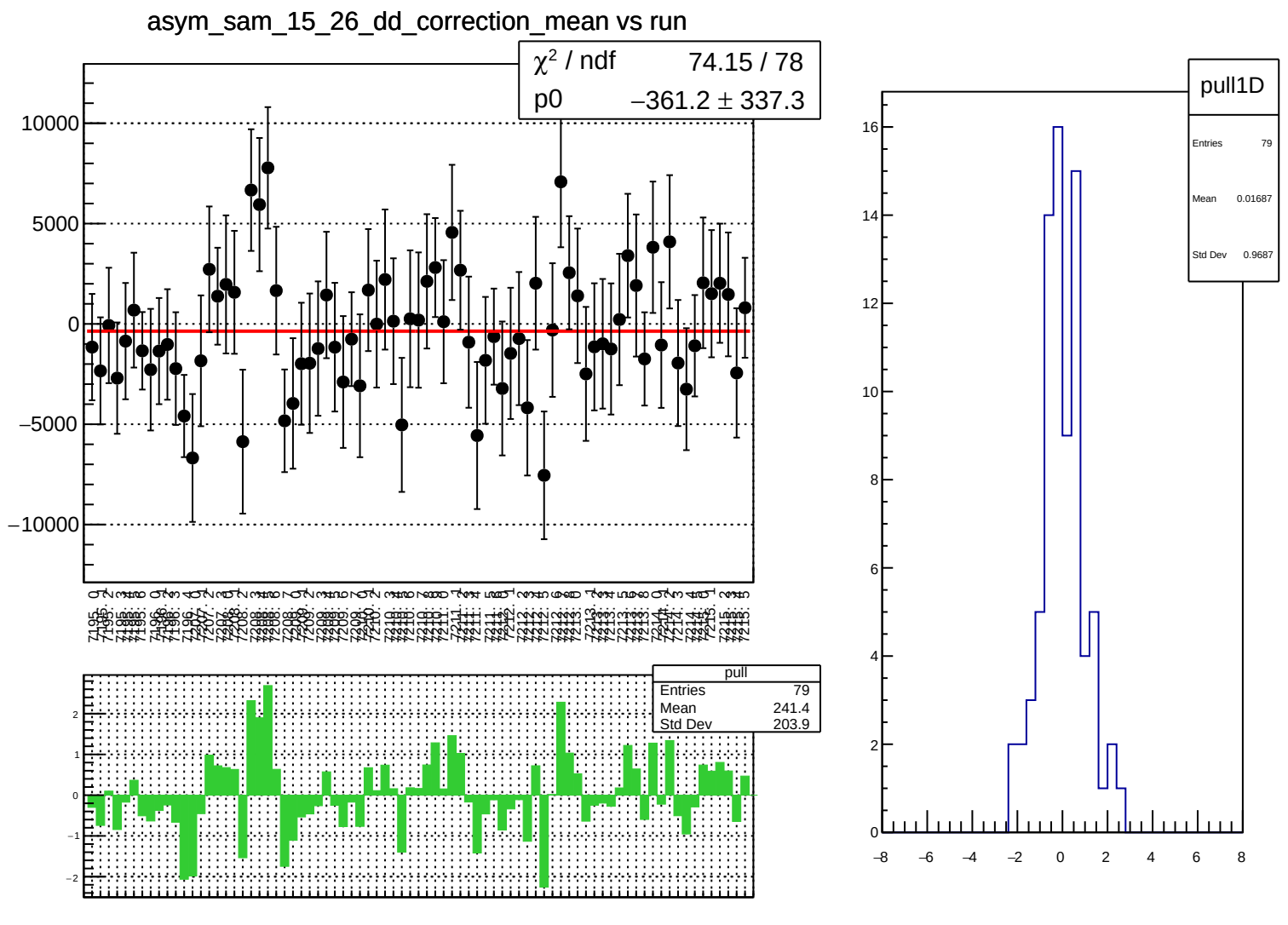
asym_sam_37_48_dd_rms vs run

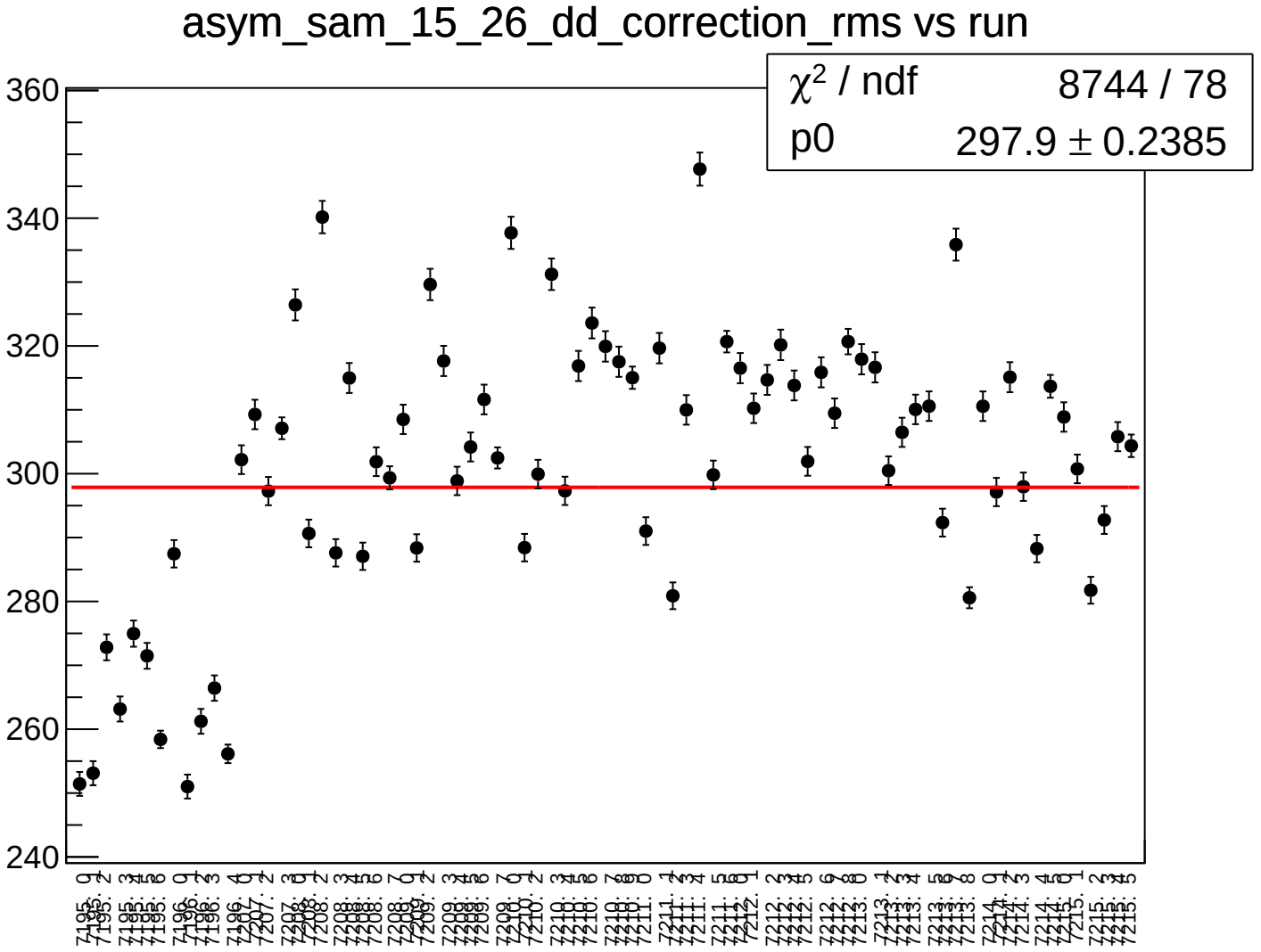


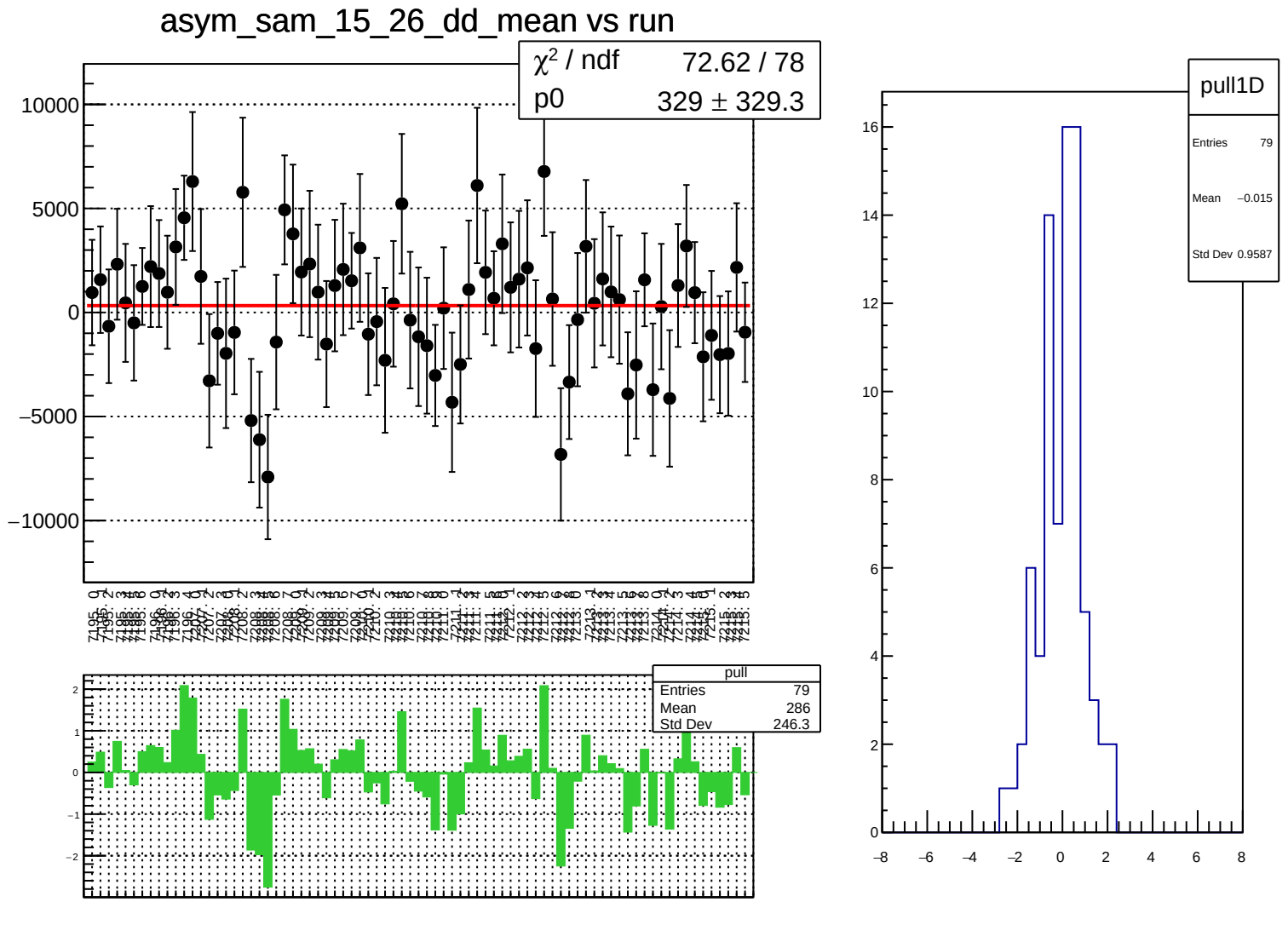

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 70.04 / 78
p0 −16.3 ± 61.75
pull
Entries 79
Mean 1235
Std Dev 1166
pull1D
Entries 79
Mean −0.001198
Std Dev 0.9416

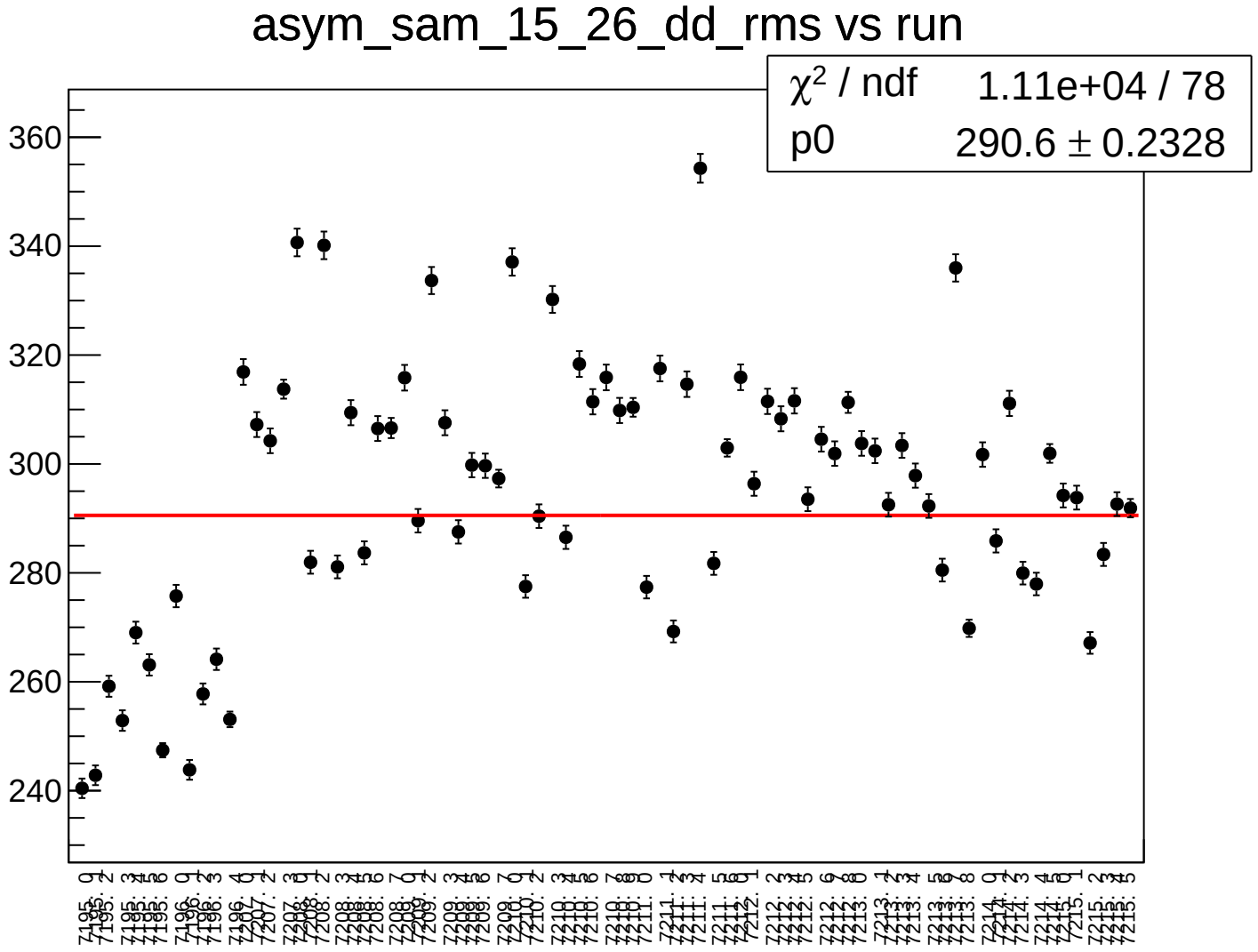
dit_asym_sam_15_26_dd_rms vs run

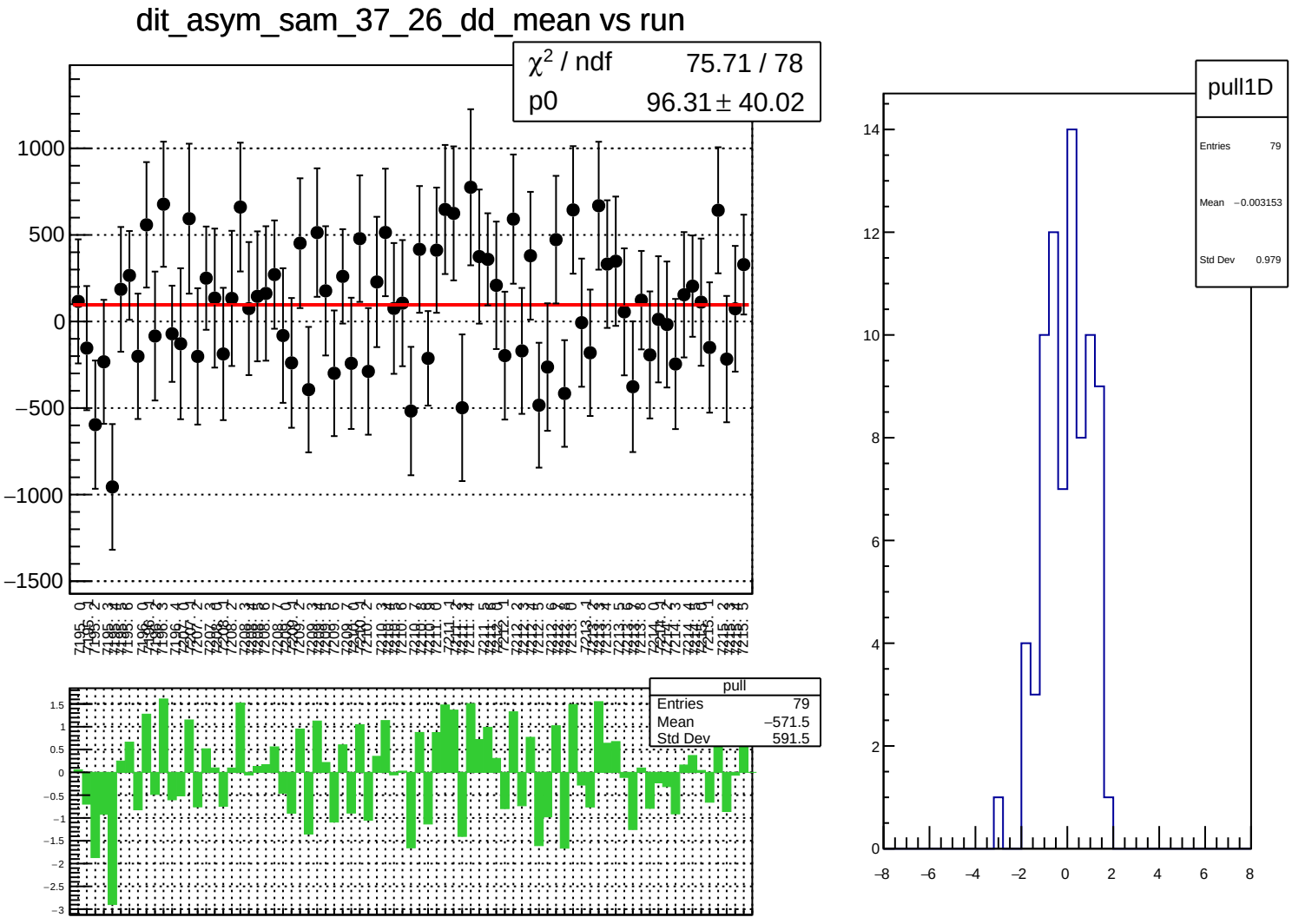



asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 74.15 / 78
p0 −361.2 ± 337.3
pull
Entries 79
Mean 241.4
Std Dev 203.9
pull1D
Entries 79
Mean 0.01687
Std Dev 0.9687

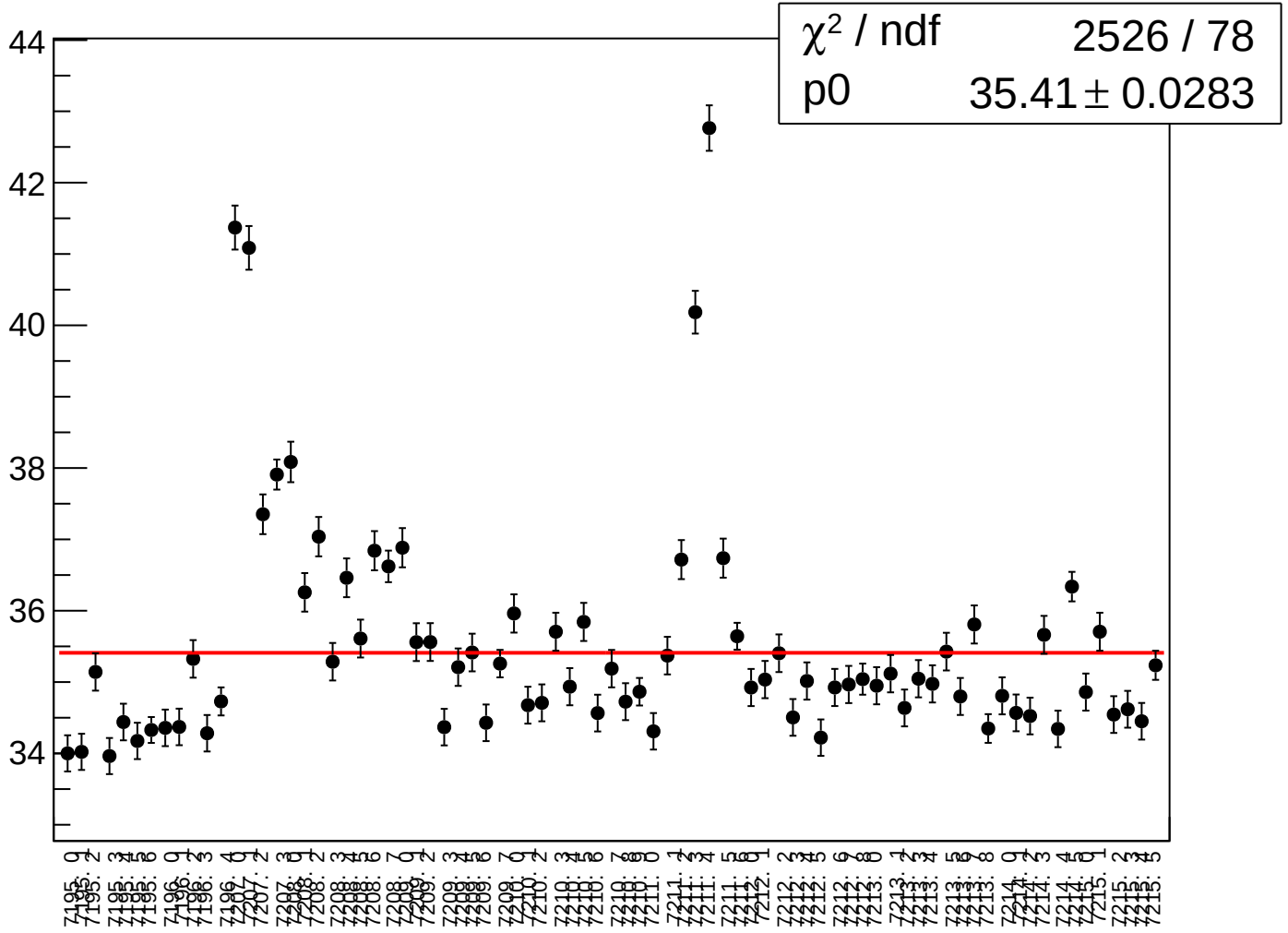

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 8744 / 78
p0 297.9 ± 0.2385
360
340
320
300
280
260
240

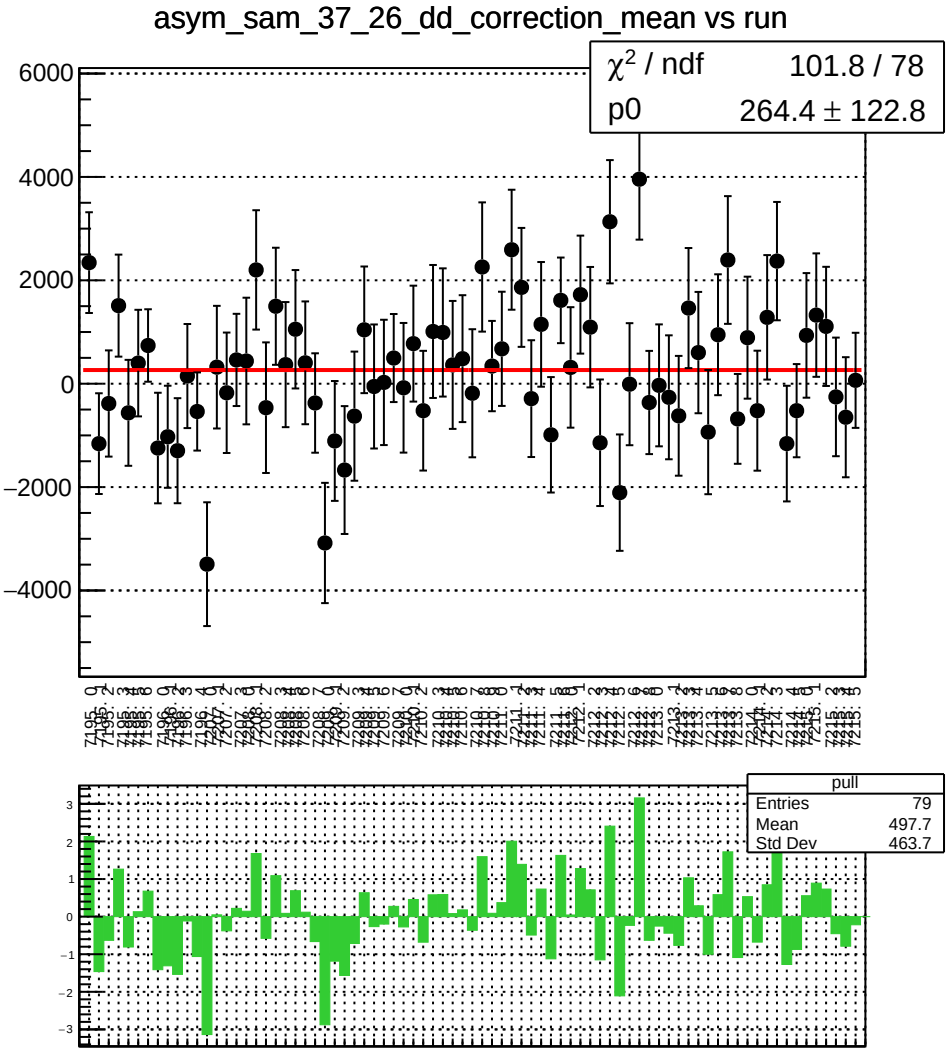

asym_sam_15_26_dd_mean vs run
χ² / ndf 72.62 / 78
p0 329 ± 329.3
10000
5000
0
−5000
−10000
pull
Entries 79
Mean 286
Std Dev 246.3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.015
Std Dev 0.9587
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

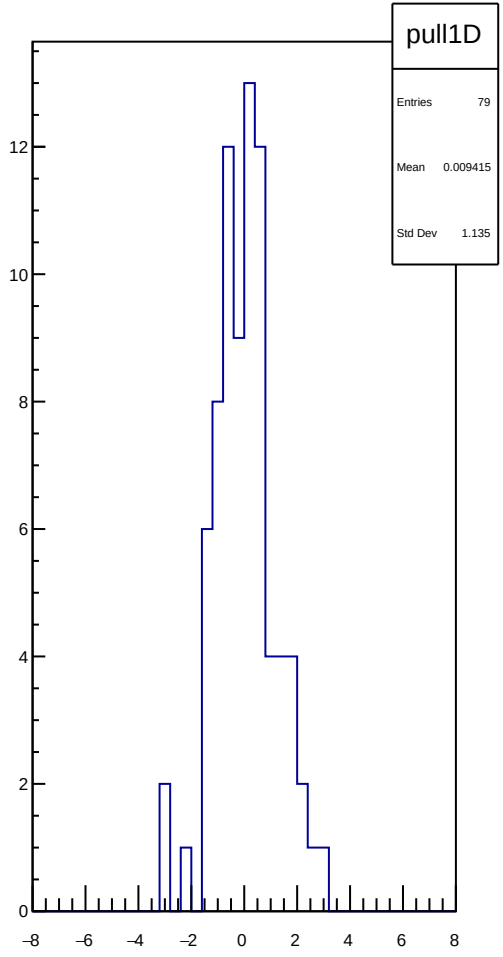

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.11e+04 / 78
p0 290.6 ± 0.2328
360
340
320
300
280
260
240

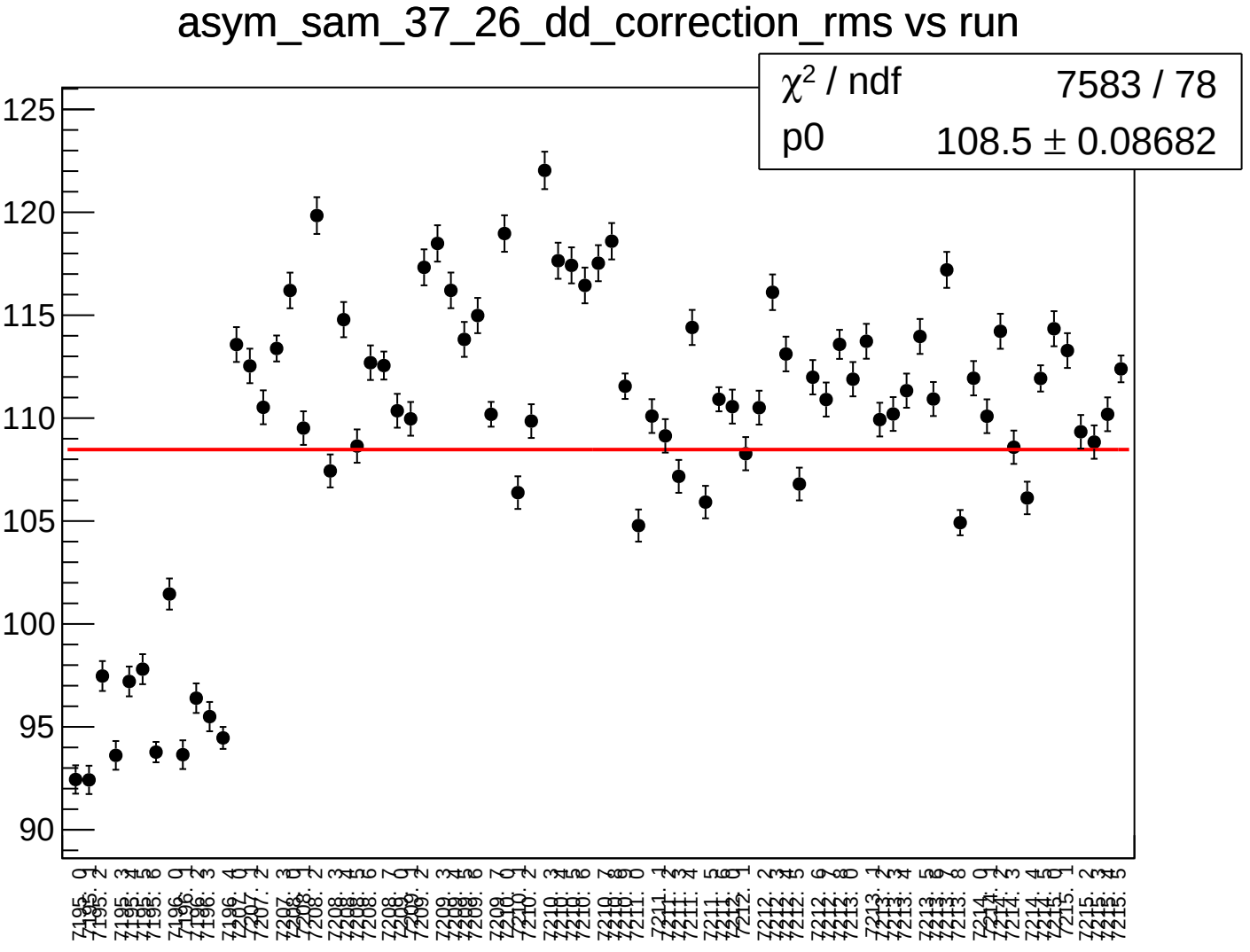

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.71 / 78
p0 96.31 ± 40.02
pull
Entries 79
Mean −571.5
Std Dev 591.5
pull1D
Entries 79
Mean −0.003153
Std Dev 0.979

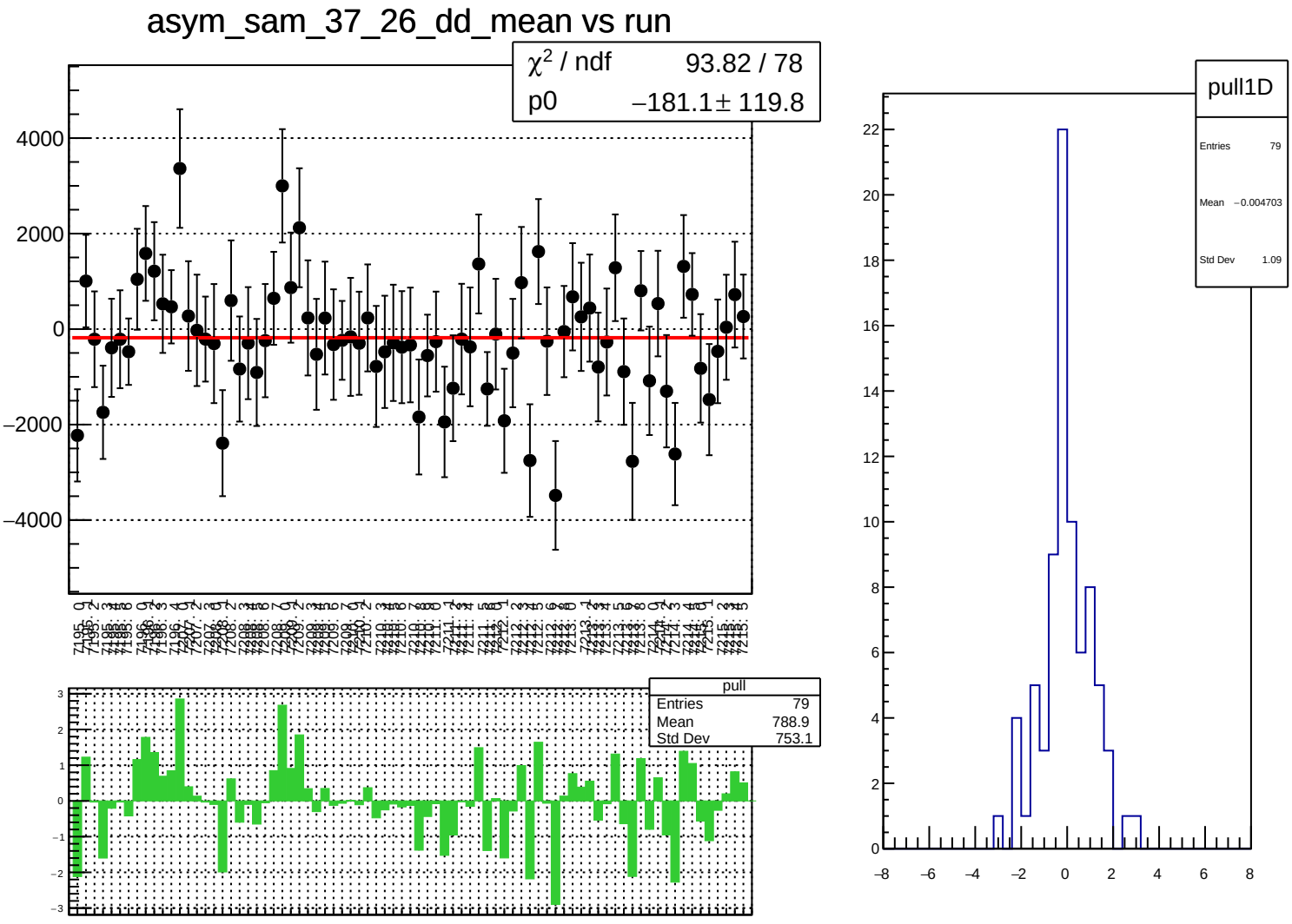
dit_asym_sam_37_26_dd_rms vs run

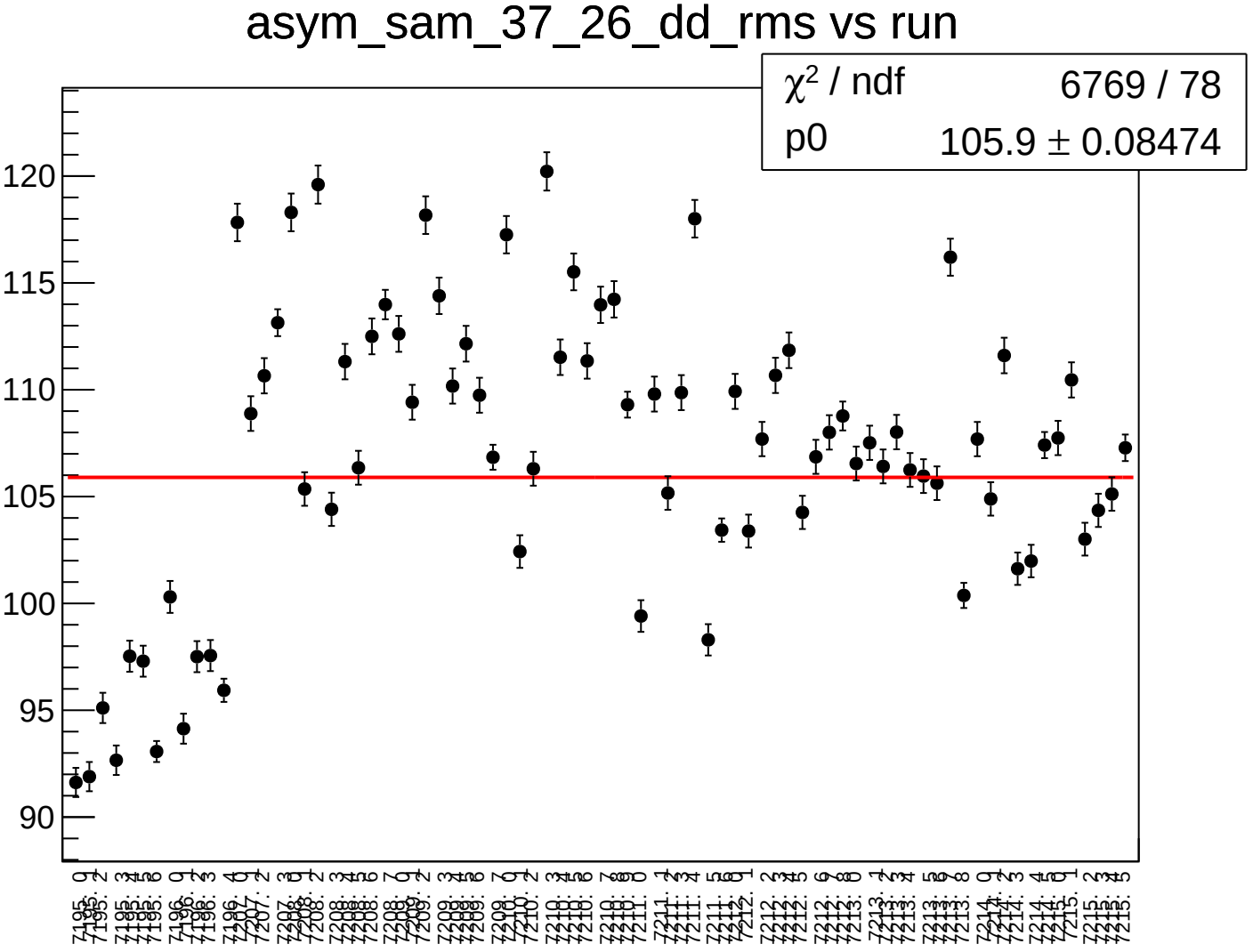


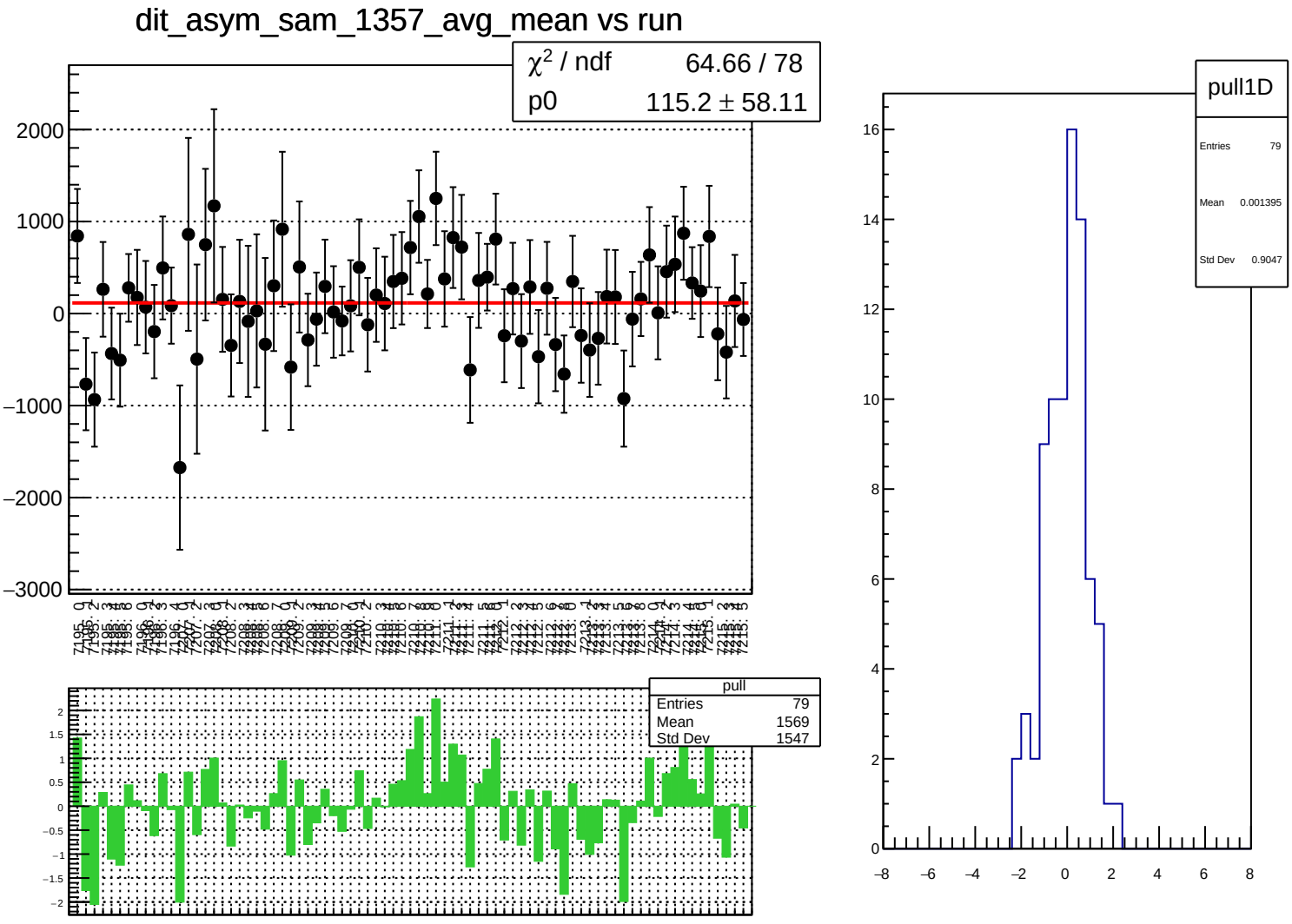

asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 101.8 / 78
p0 264.4 ± 122.8
pull
Entries 79
Mean 497.7
Std Dev 463.7


pull1D
Entries 79
Mean 0.009415
Std Dev 1.135

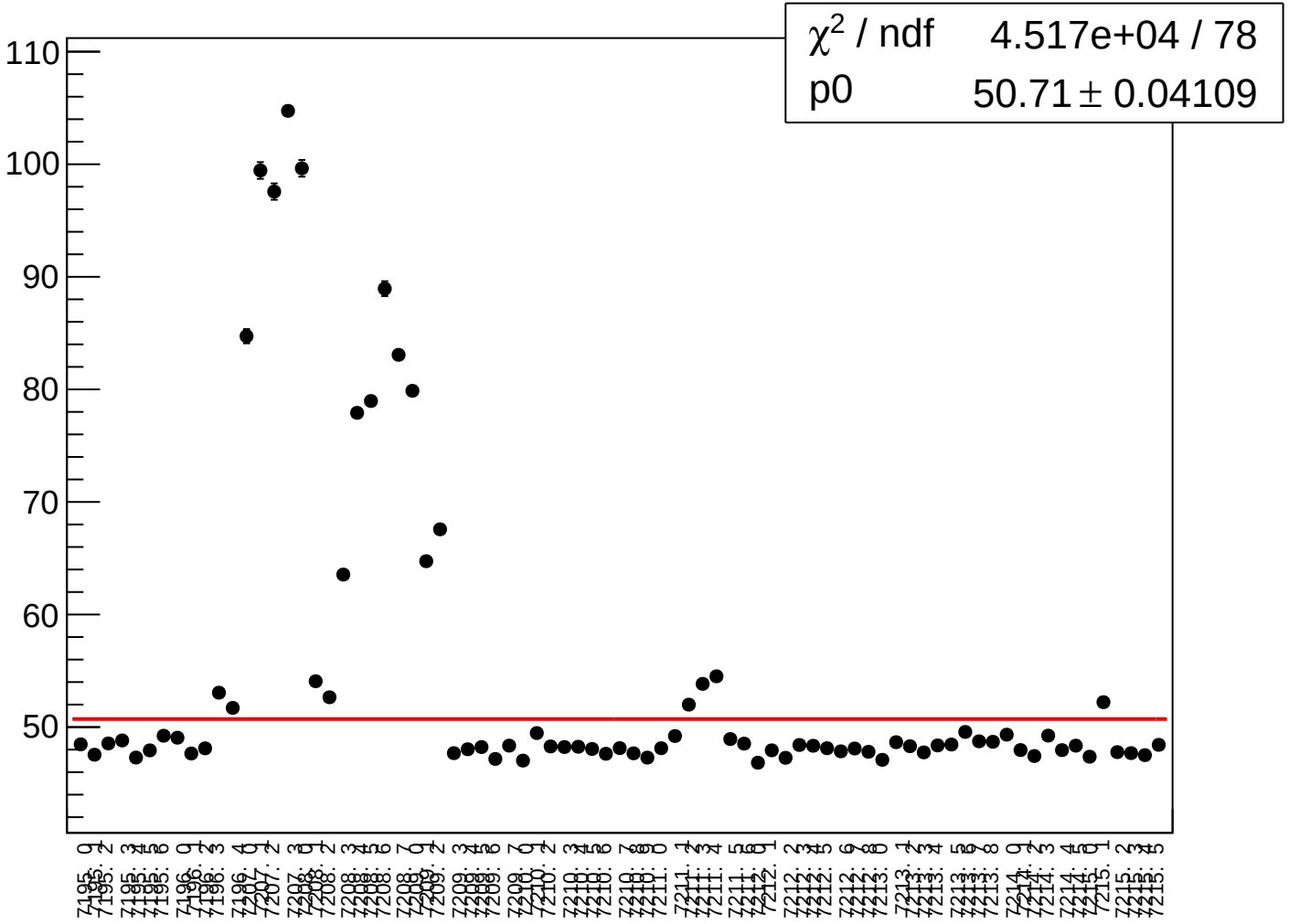

asym_sam_37_26_dd_correction_rms vs run
χ2 / ndf 7583 / 78
p0 108.5 ± 0.08682
125
120
115
110
105
100
95
90

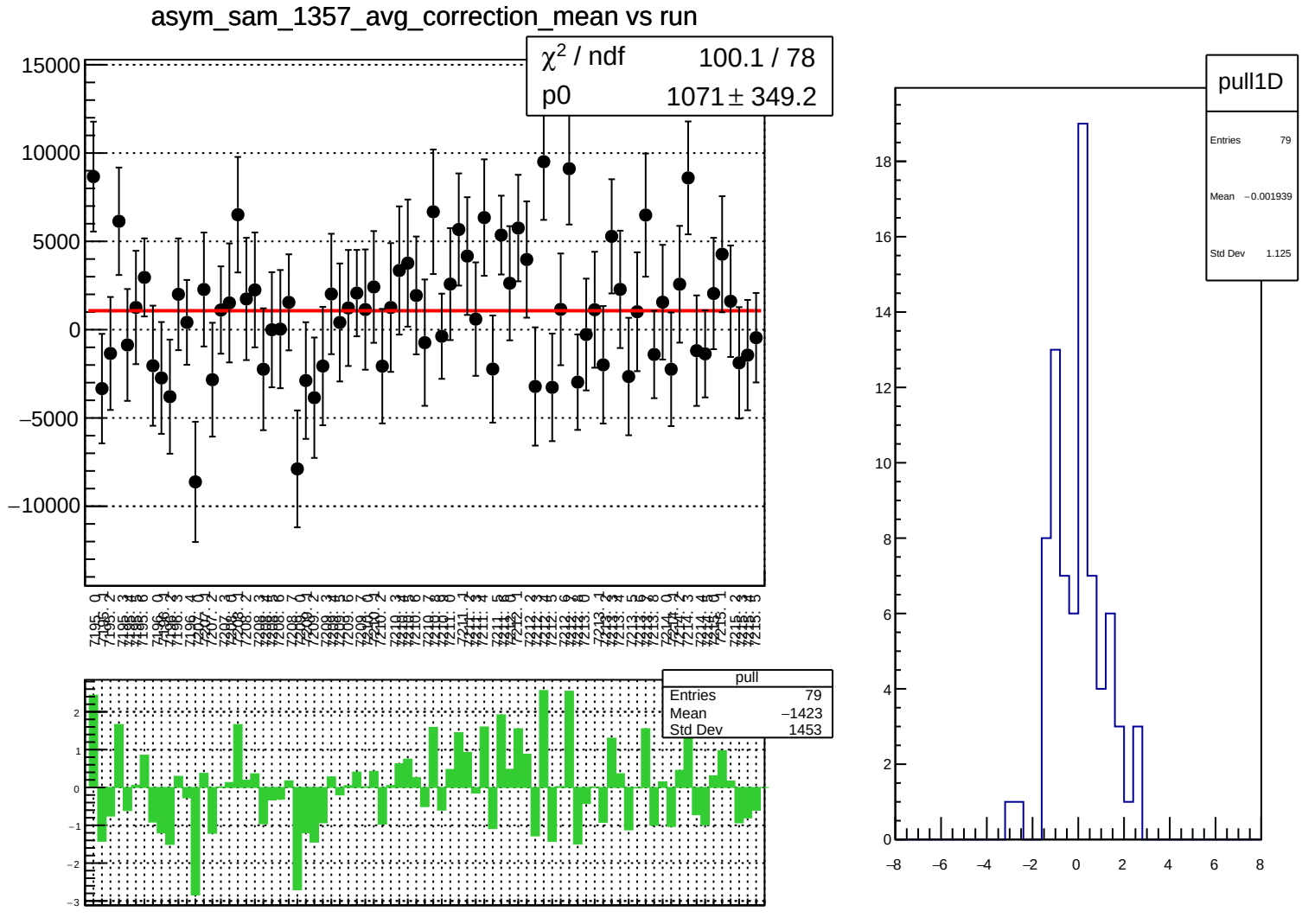

asym_sam_37_26_dd_mean vs run
χ² / ndf 93.82 / 78
p0 −181.1 ± 119.8
4000
2000
0
−2000
−4000
pull
Entries 79
Mean 788.9
Std Dev 753.1
pull1D
Entries 79
Mean −0.004703
Std Dev 1.09


asym_sam_37_26_dd_rms vs run
χ² / ndf 6769 / 78
p0 105.9 ± 0.08474
120
115
110
105
100
95
90

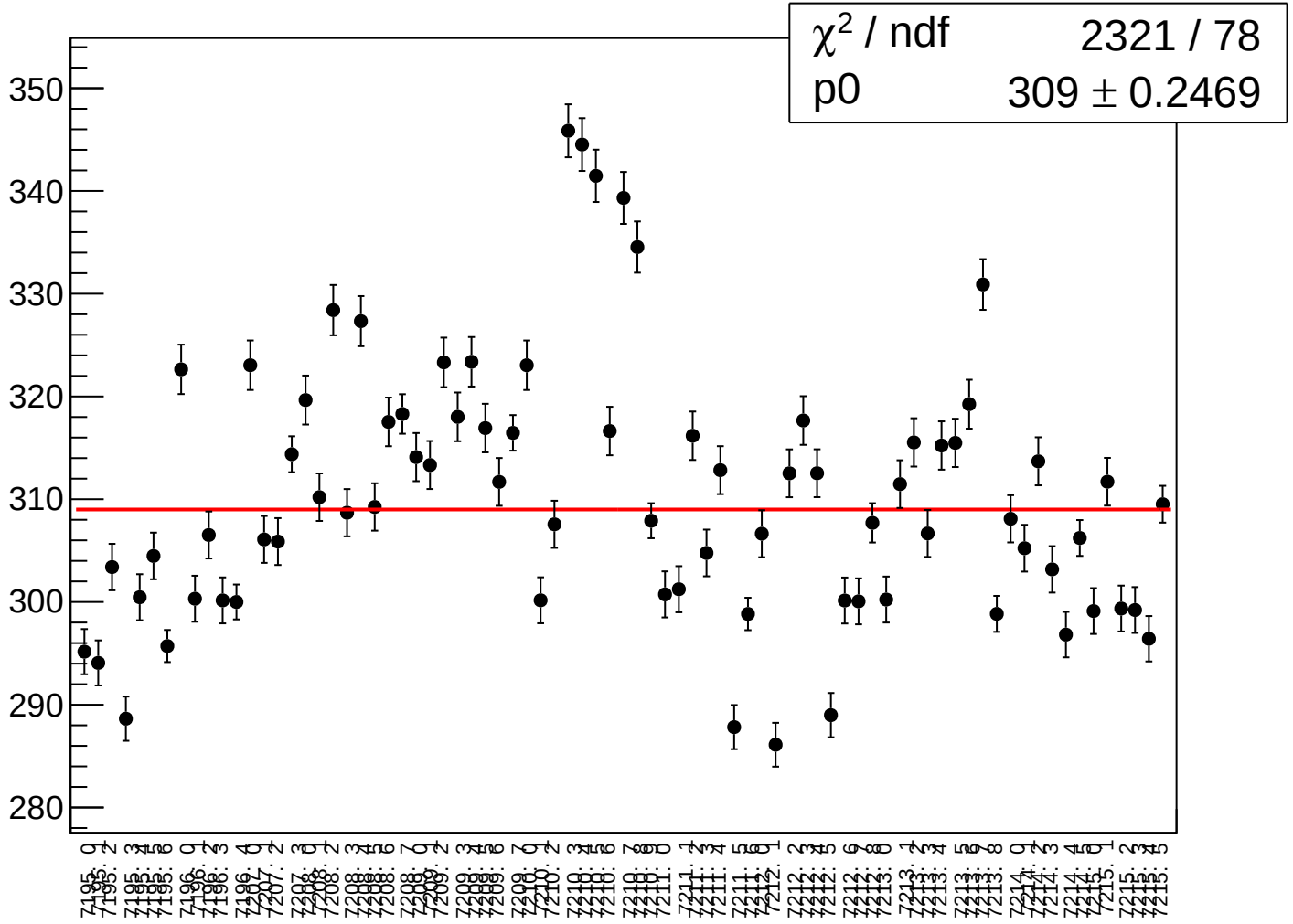

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 64.66 / 78
p0 115.2 ± 58.11
pull
Entries 79
Mean 1569
Std Dev 1547
pull1D
Entries 79
Mean 0.001395
Std Dev 0.9047

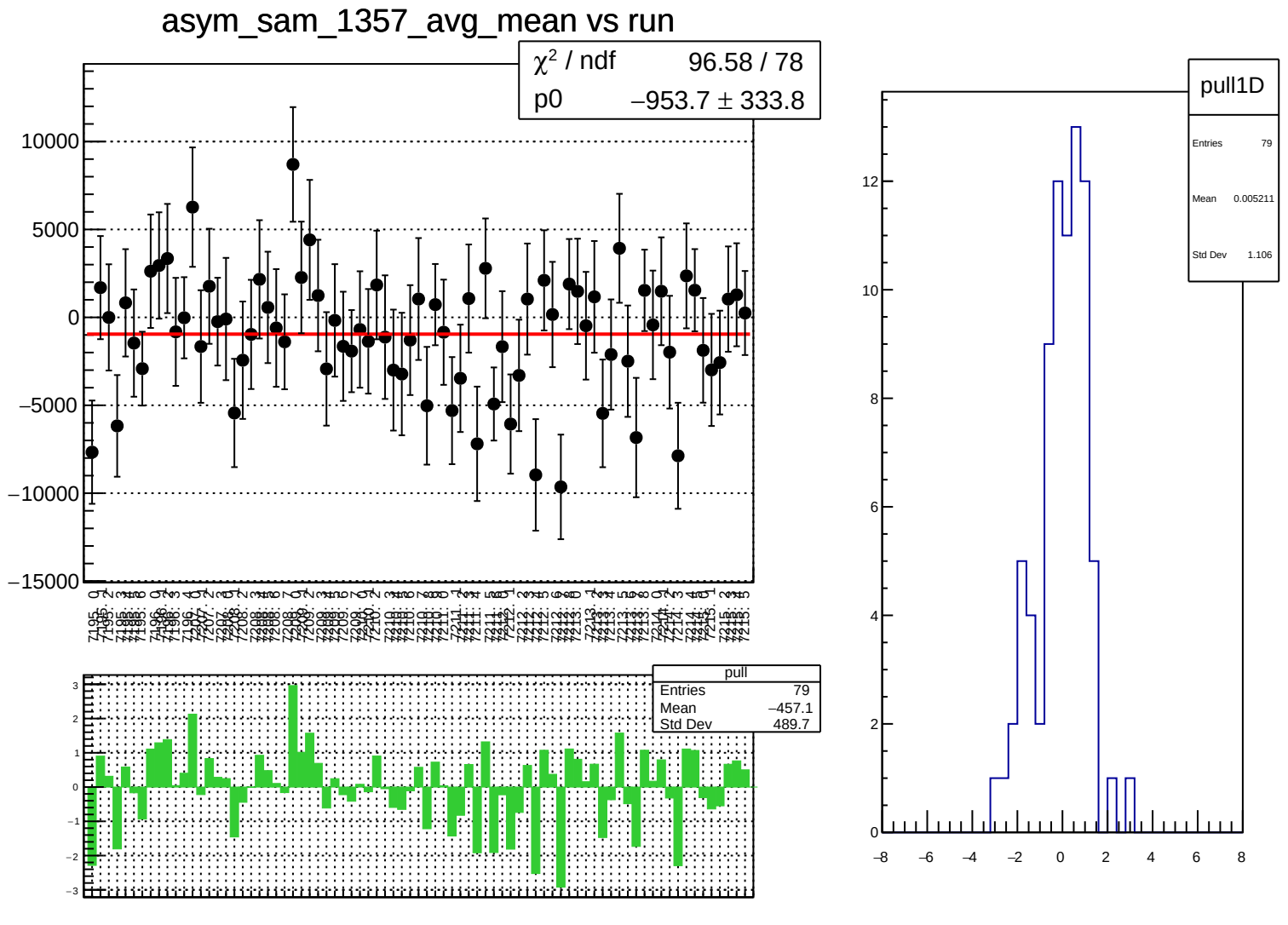
dit_asym_sam_1357_avg_rms vs run

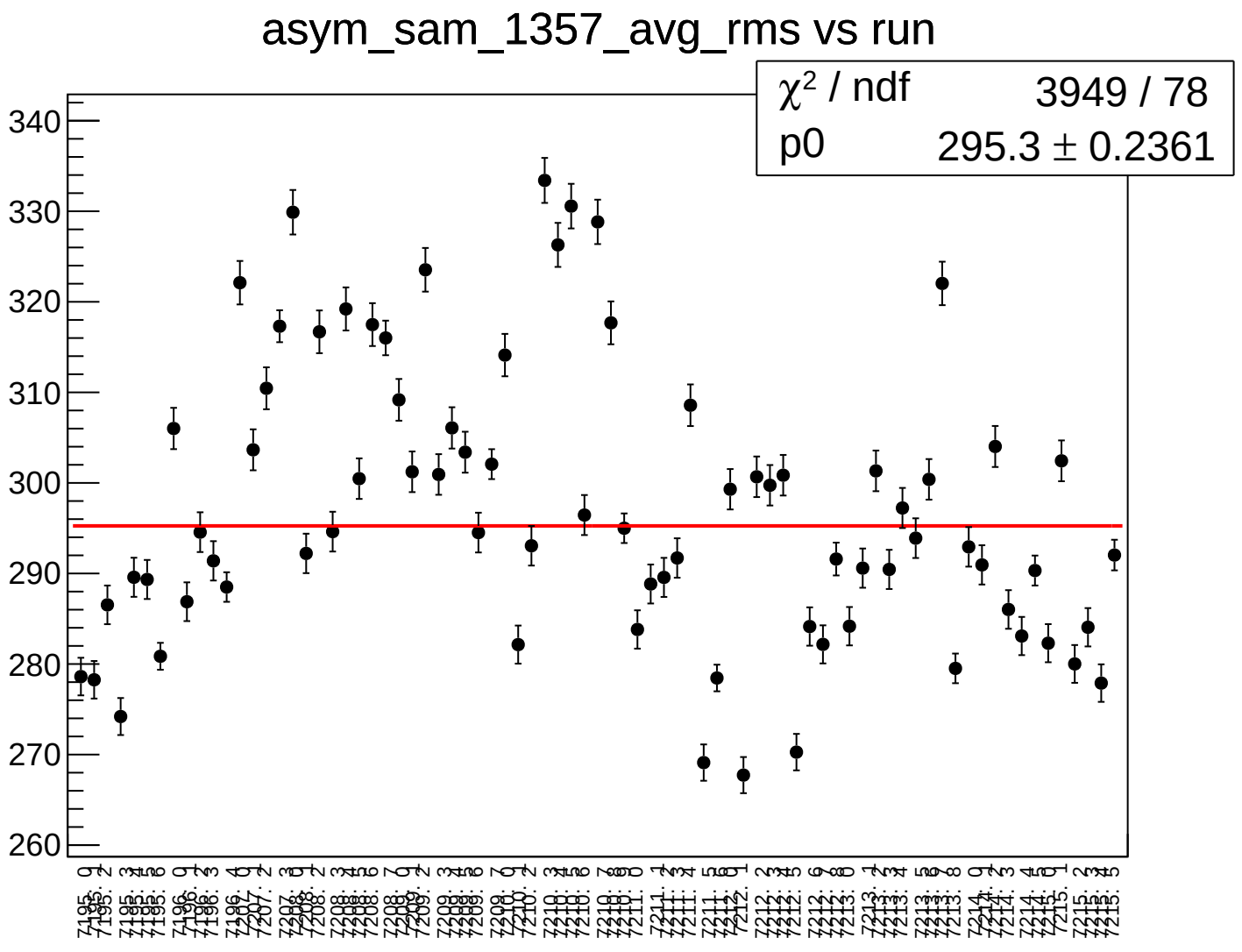


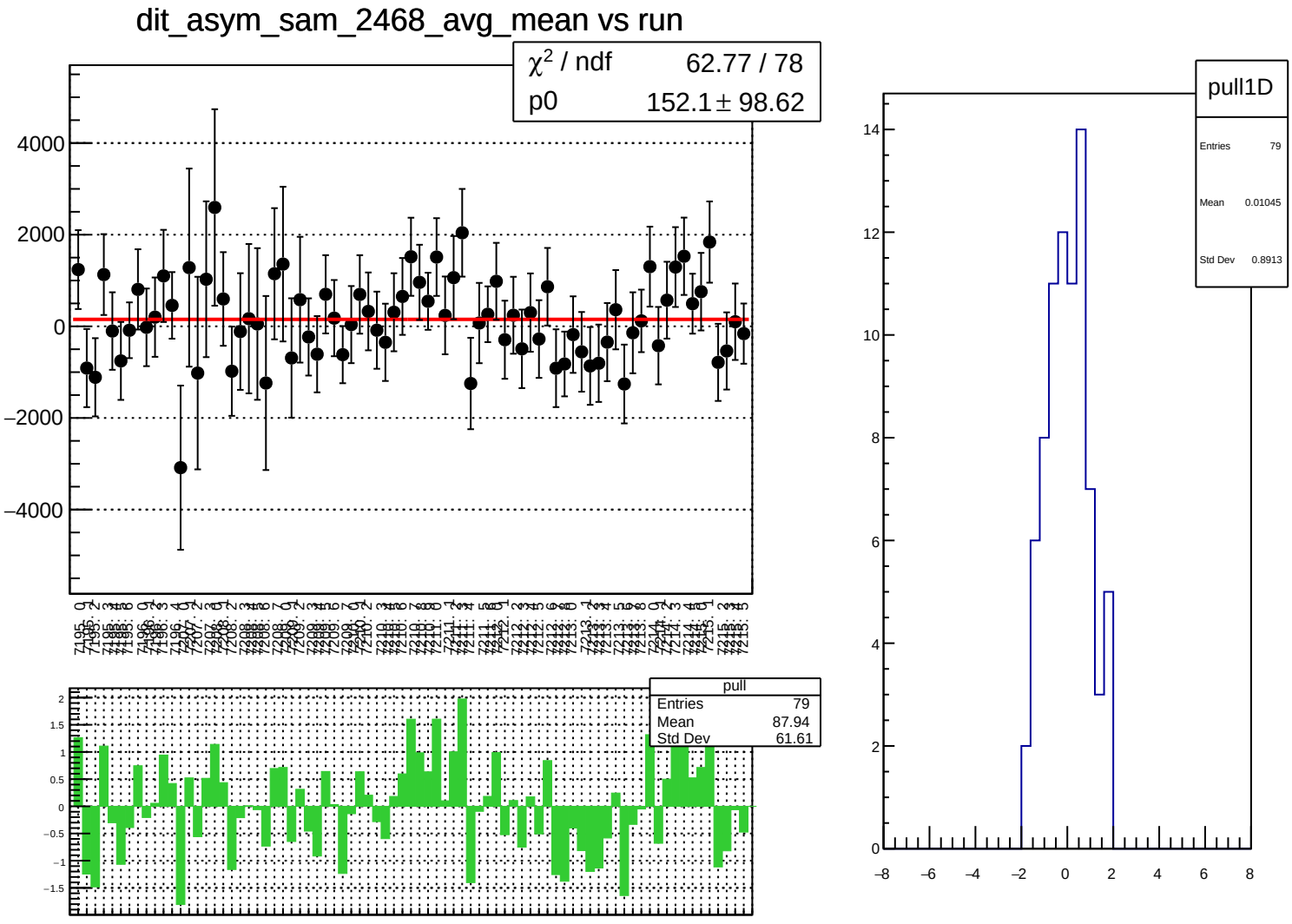

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 100.1 / 78
p0 1071 ± 349.2
pull
Entries 79
Mean −1423
Std Dev 1453
pull1D
Entries 79
Mean −0.001939
Std Dev 1.125

asym_sam_1357_avg_correction_rms vs run

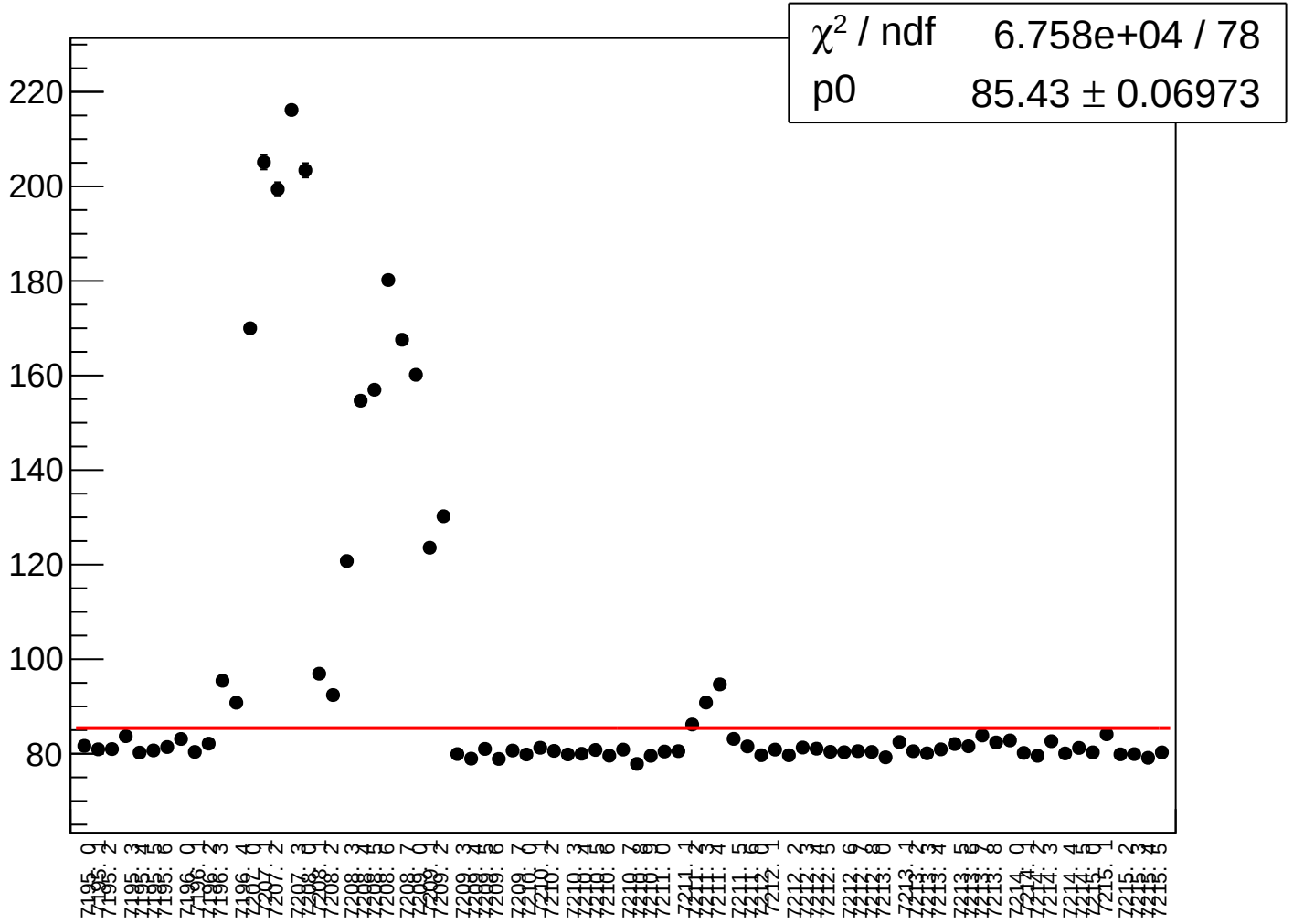


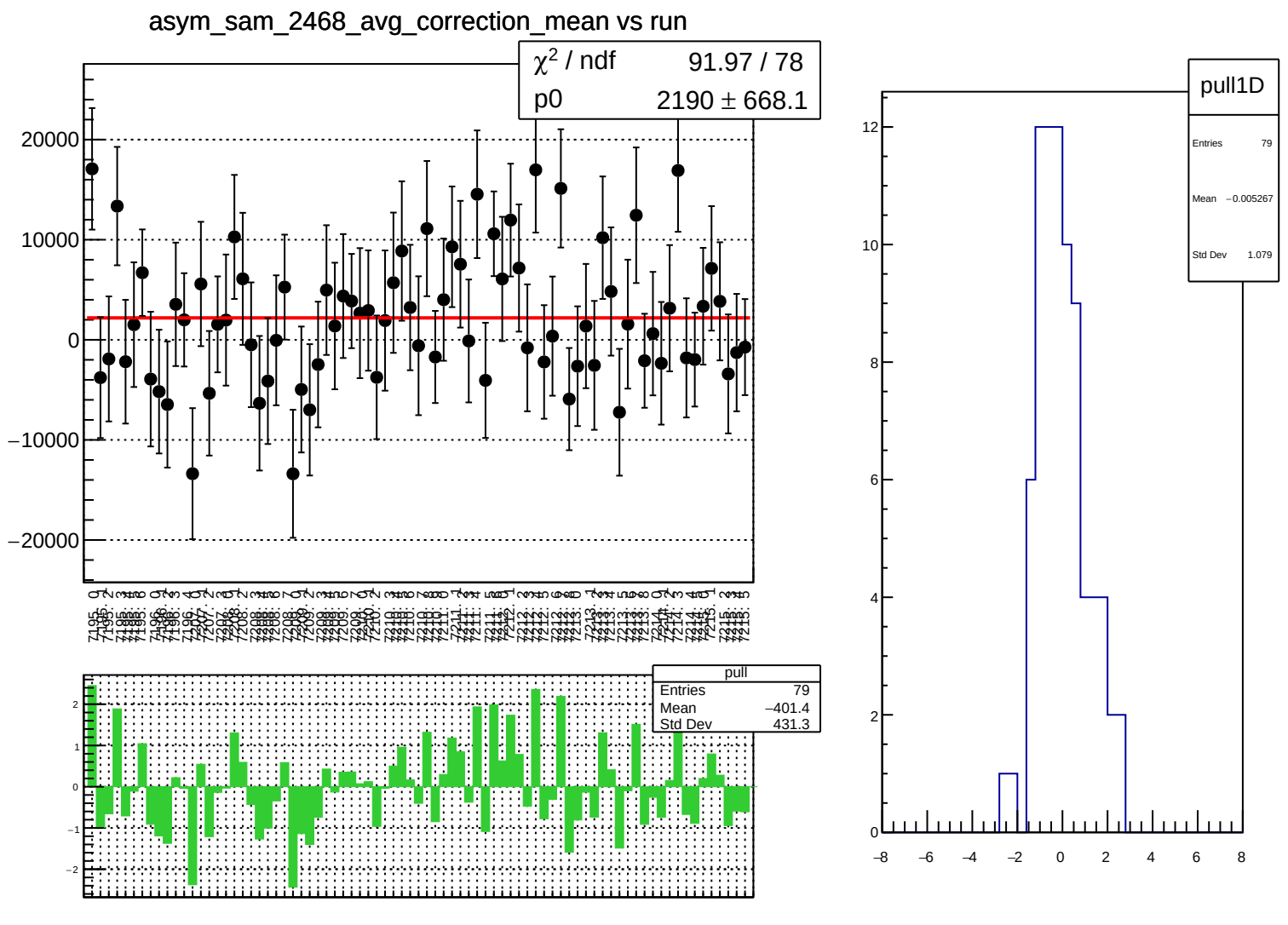

asym_sam_1357_avg_mean vs run
χ² / ndf 96.58 / 78
p0 −953.7 ± 333.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 79
Mean −457.1
Std Dev 489.7
3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean 0.005211
Std Dev 1.106
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_avg_rms vs run
χ² / ndf 3949 / 78
p0 295.3 ± 0.2361
340
330
320
310
300
290
280
270
260

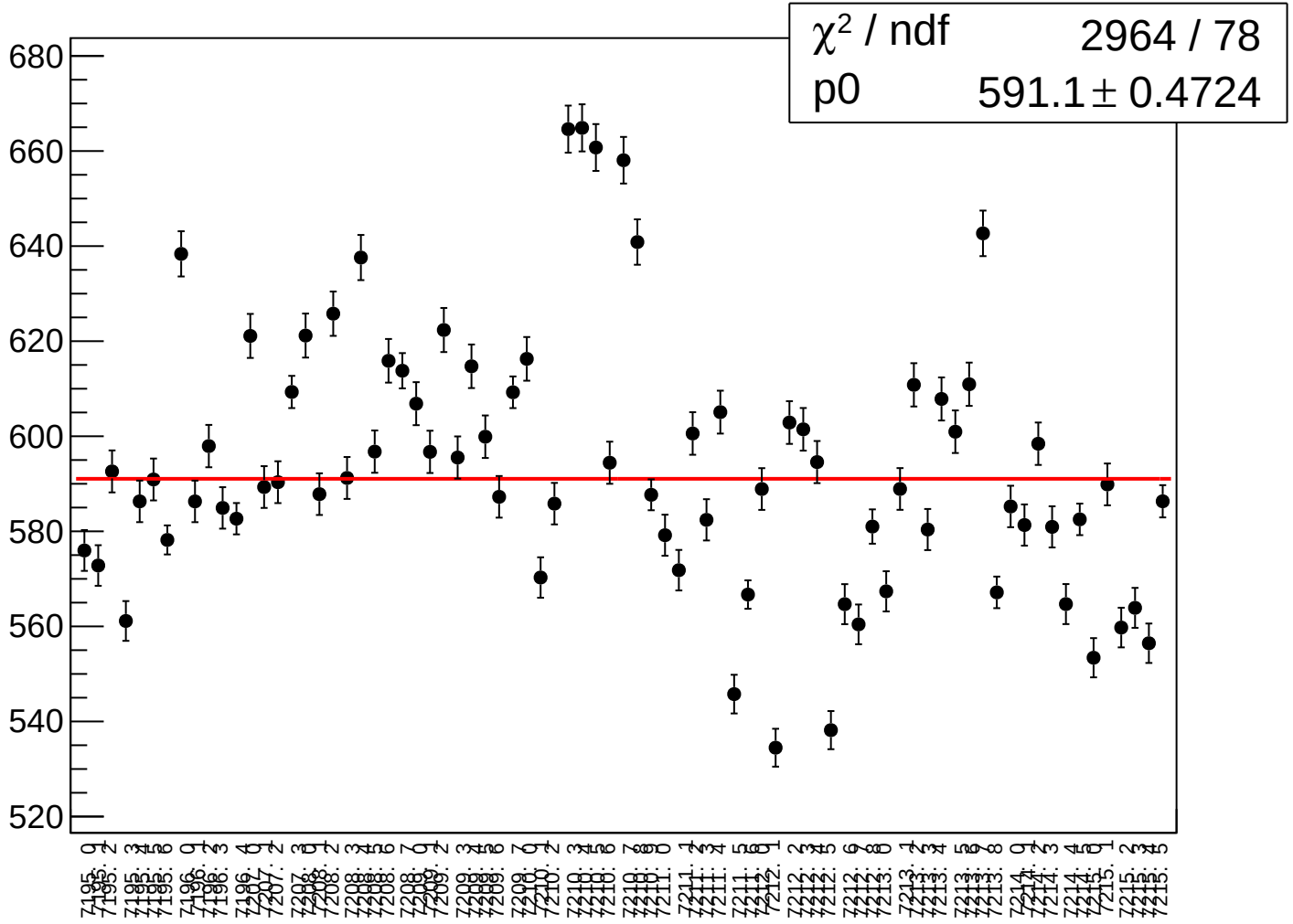

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 62.77 / 78
p0 152.1 ± 98.62
pull
Entries 79
Mean 87.94
Std Dev 61.61
pull1D
Entries 79
Mean 0.01045
Std Dev 0.8913

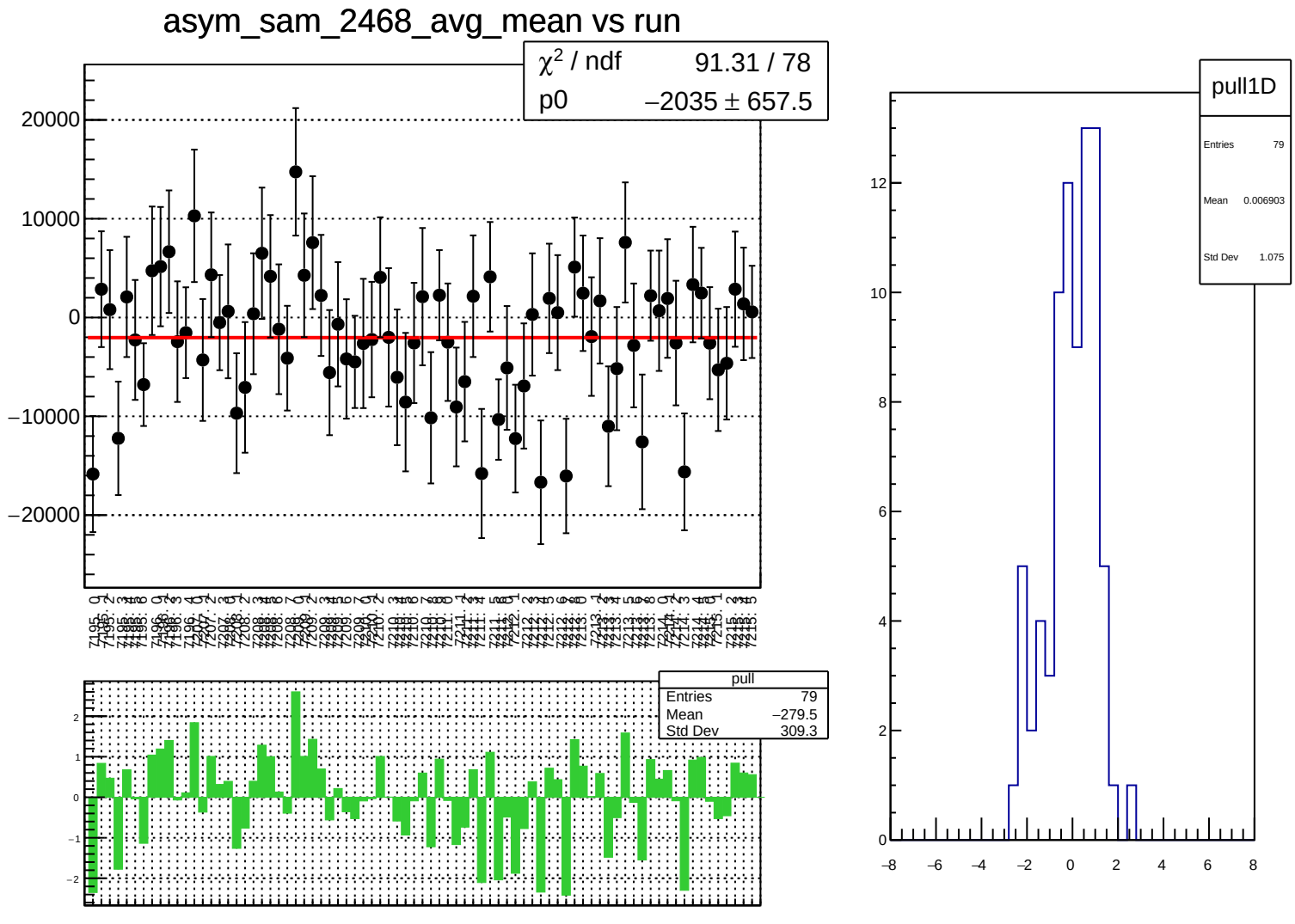
dit_asym_sam_2468_avg_rms vs run



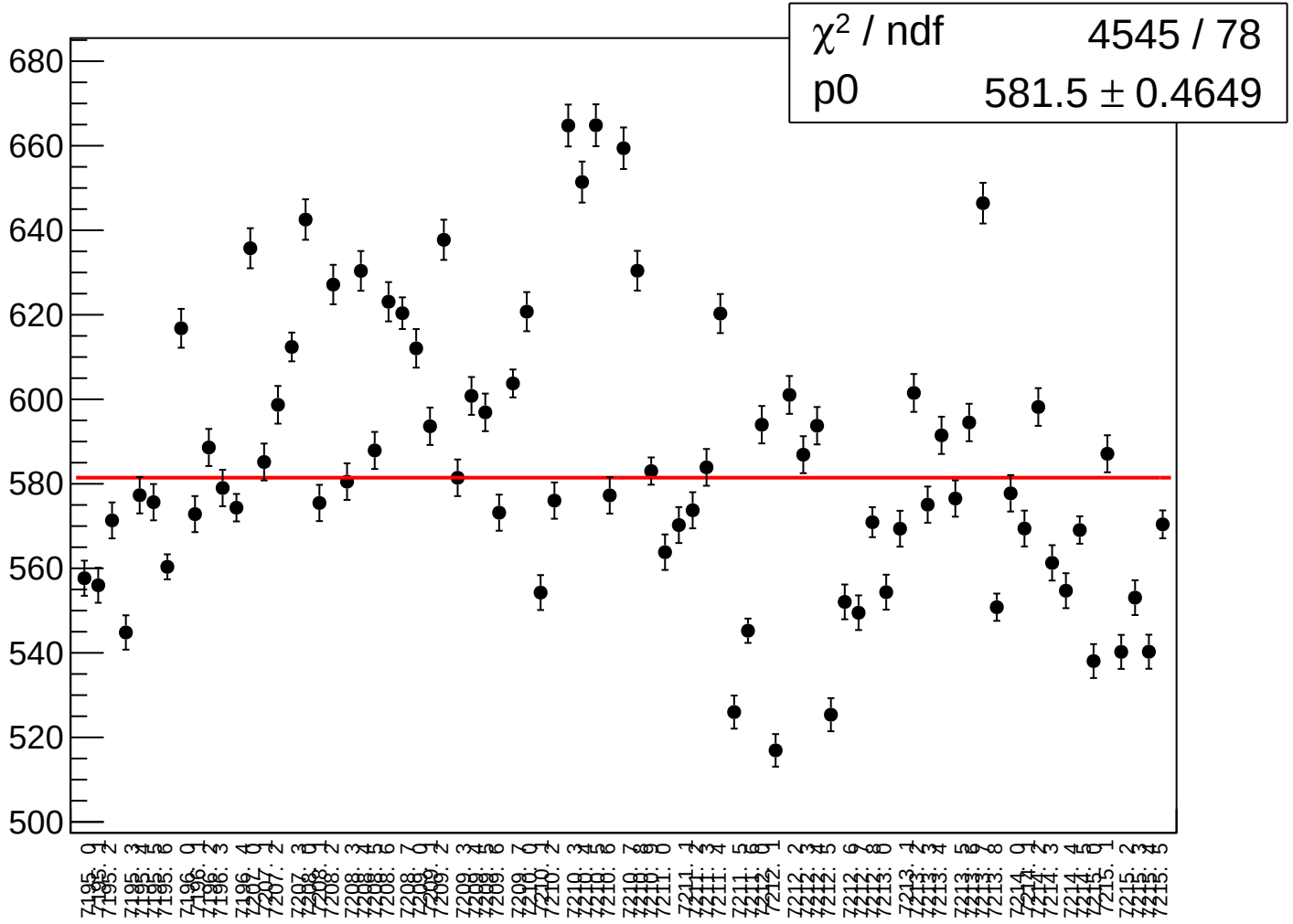

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 91.97 / 78
p0 2190 ± 668.1
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −401.4
Std Dev 431.3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.005267
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

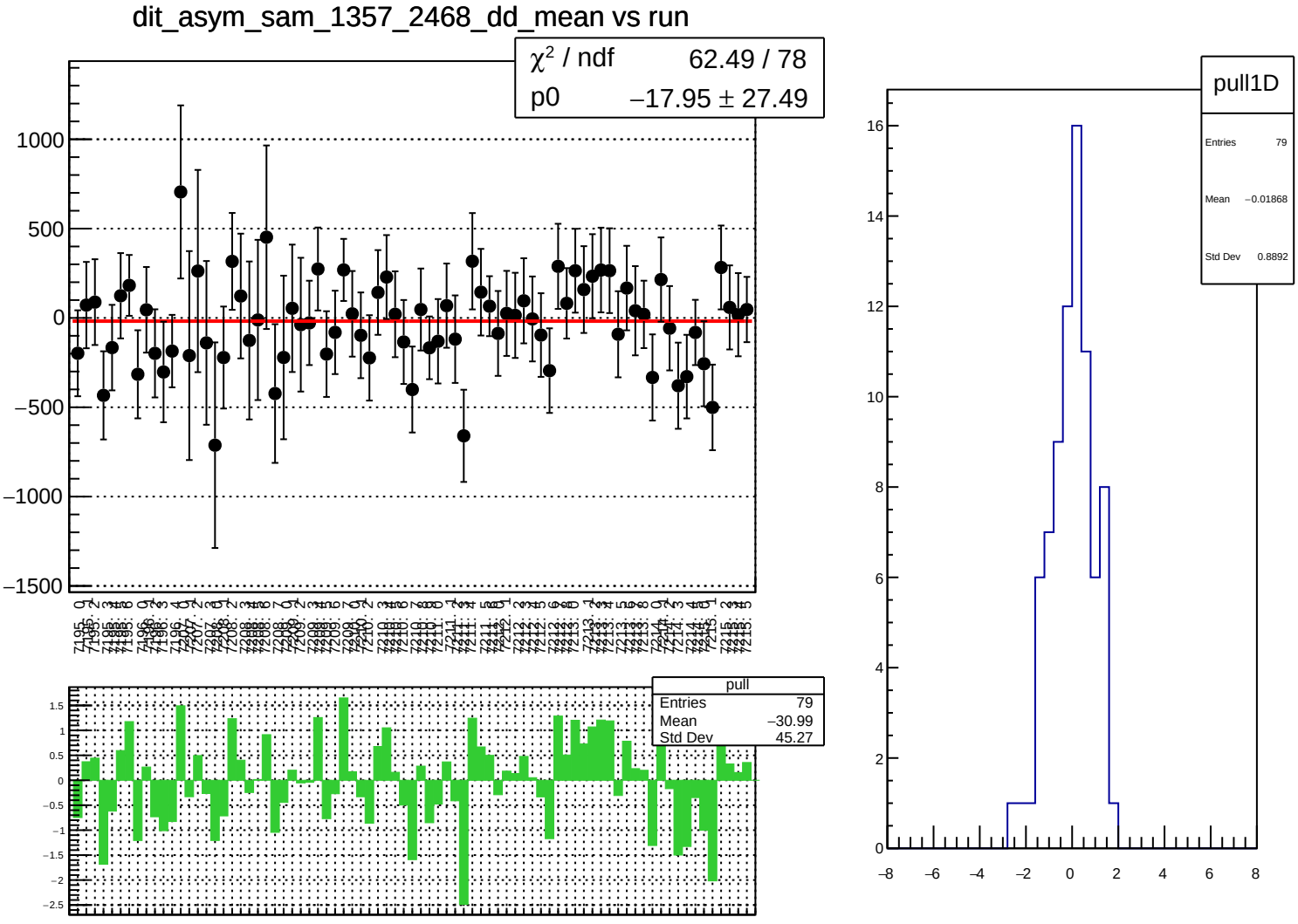
asym_sam_2468_avg_correction_rms vs run



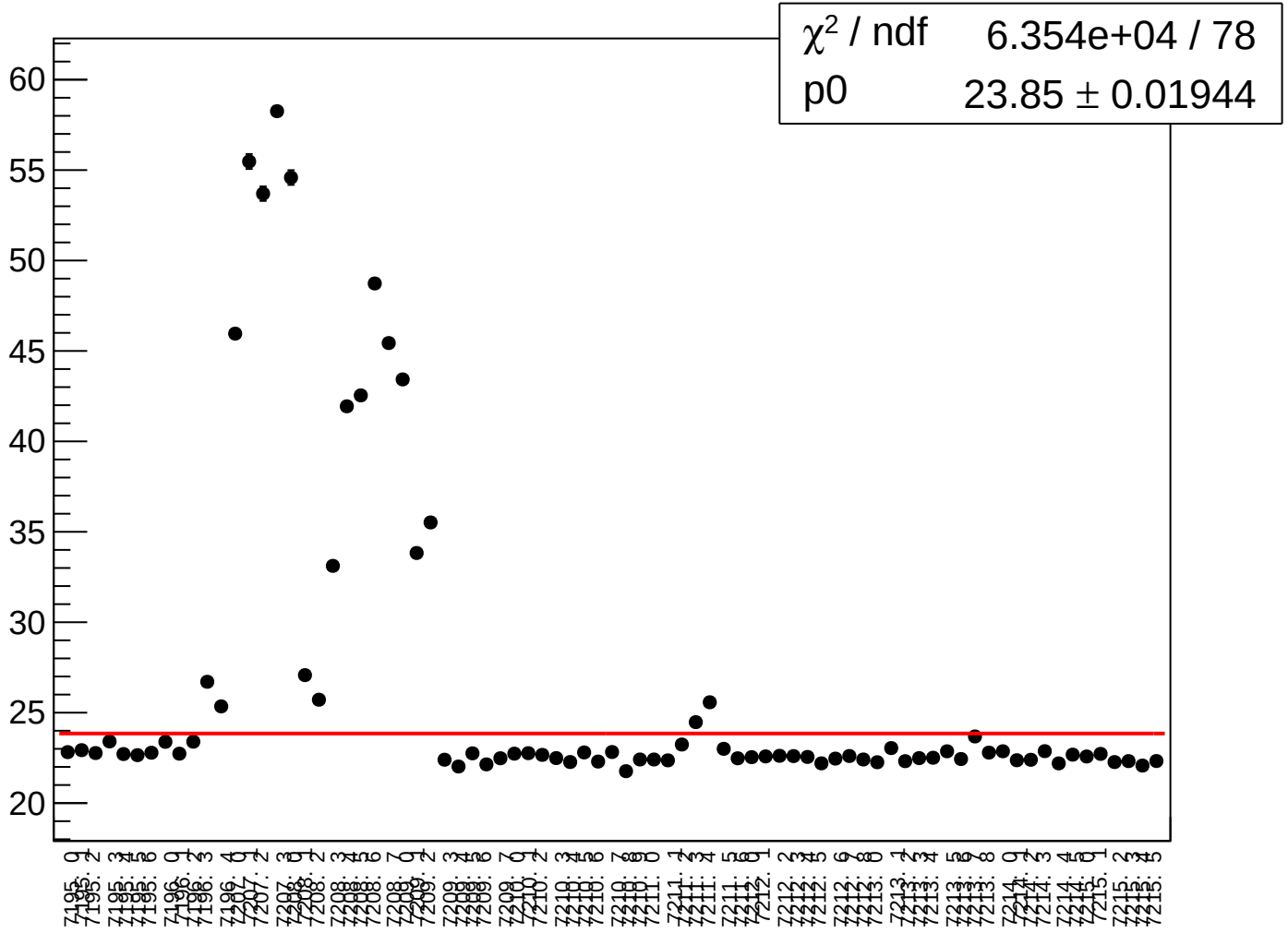

asym_sam_2468_avg_mean vs run
χ^2 / ndf 91.31 / 78
p0 −2035 ± 657.5
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −279.5
Std Dev 309.3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.006903
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

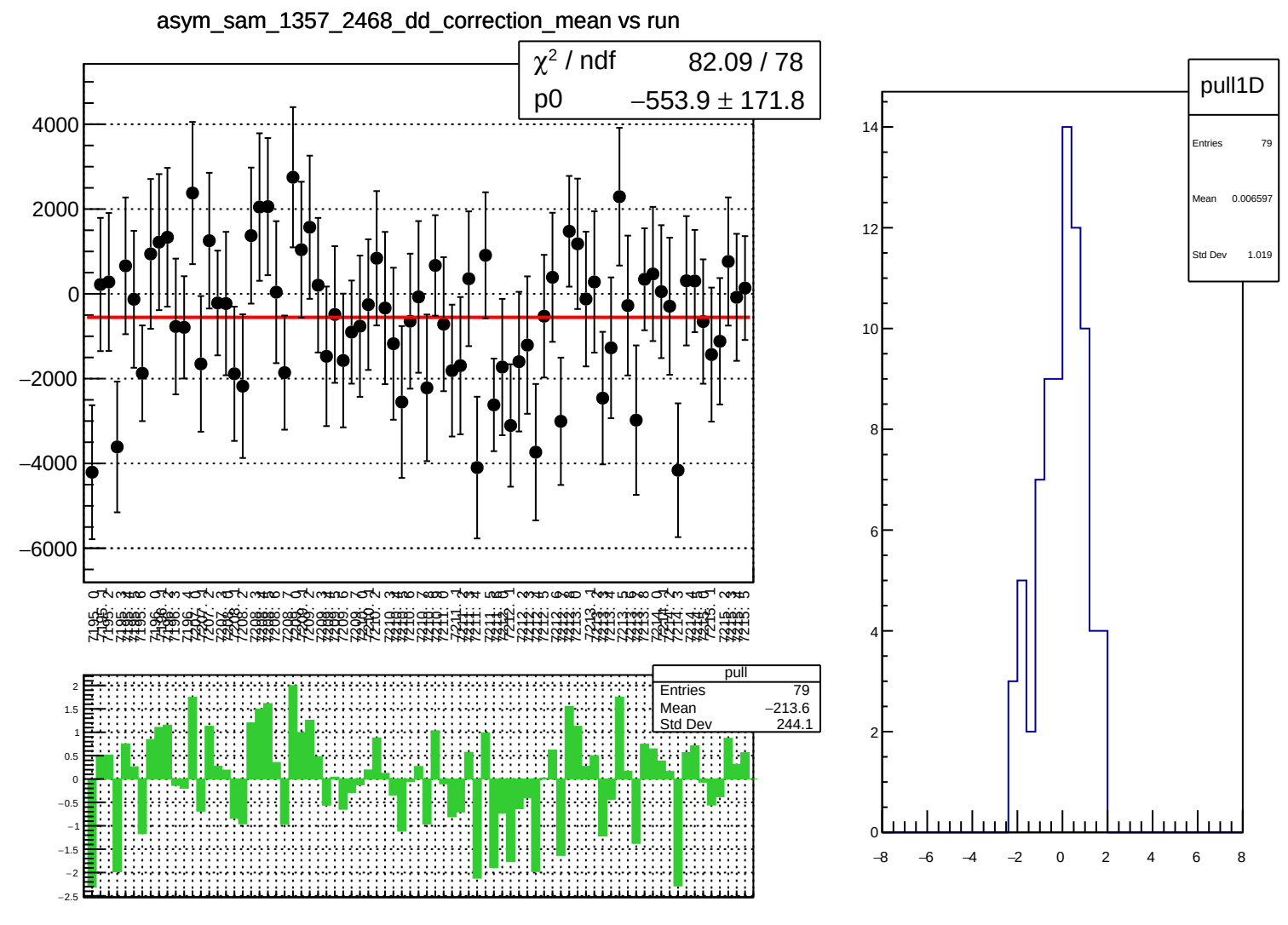
asym_sam_2468_avg_rms vs run

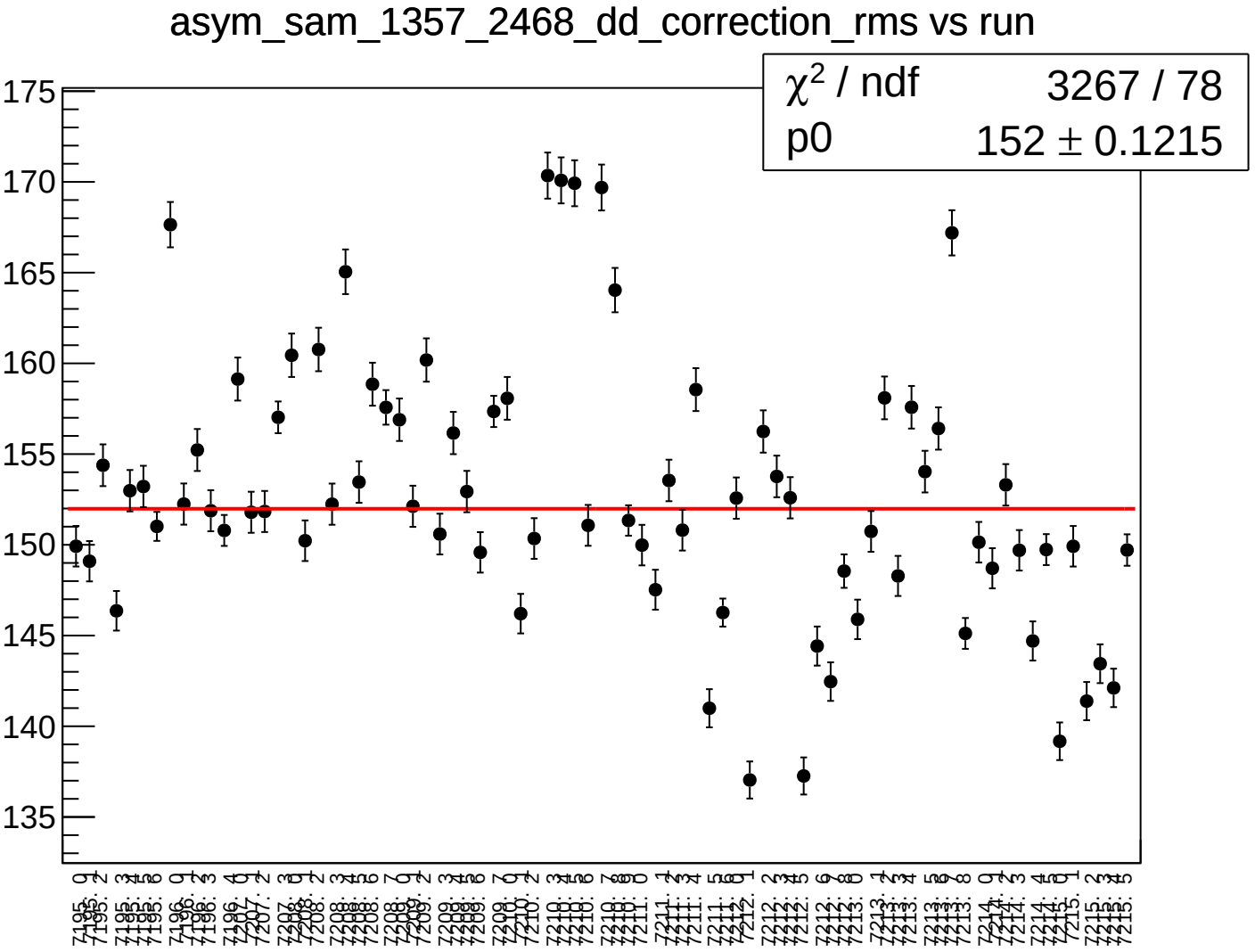


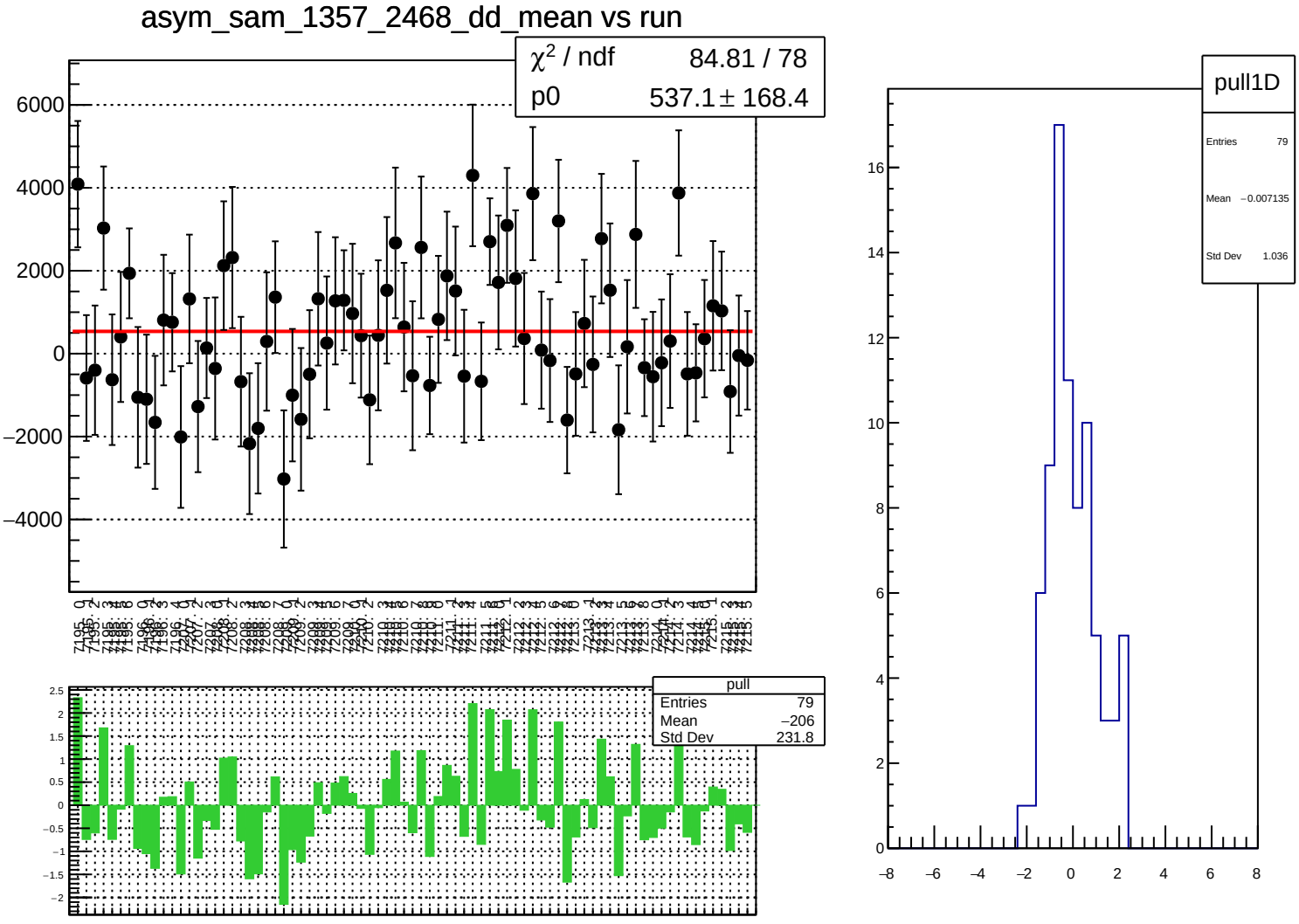

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 62.49 / 78
p0 −17.95 ± 27.49
pull
Entries 79
Mean −30.99
Std Dev 45.27
pull1D
Entries 79
Mean −0.01868
Std Dev 0.8892

dit_asym_sam_1357_2468_dd_rms vs run

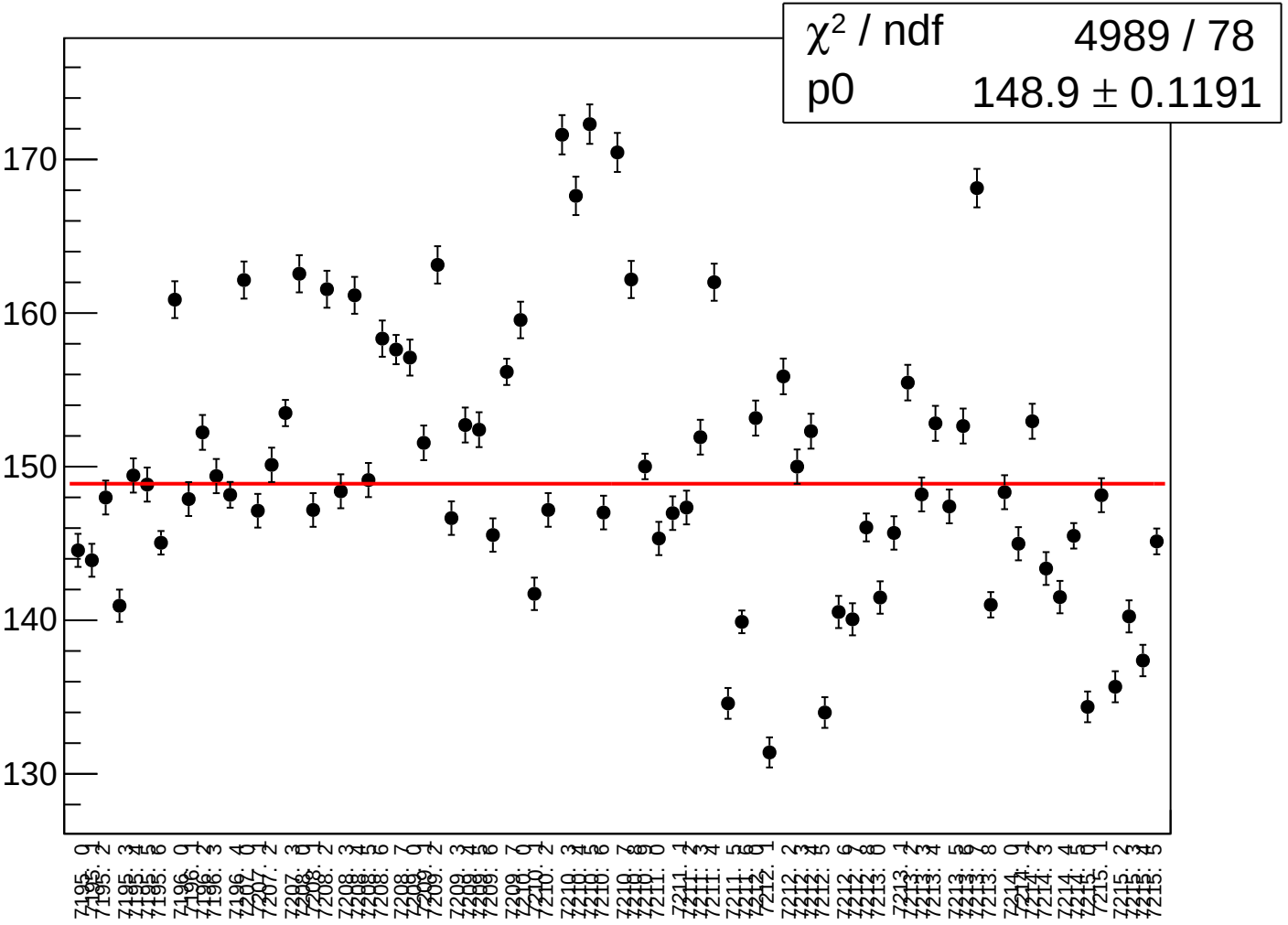


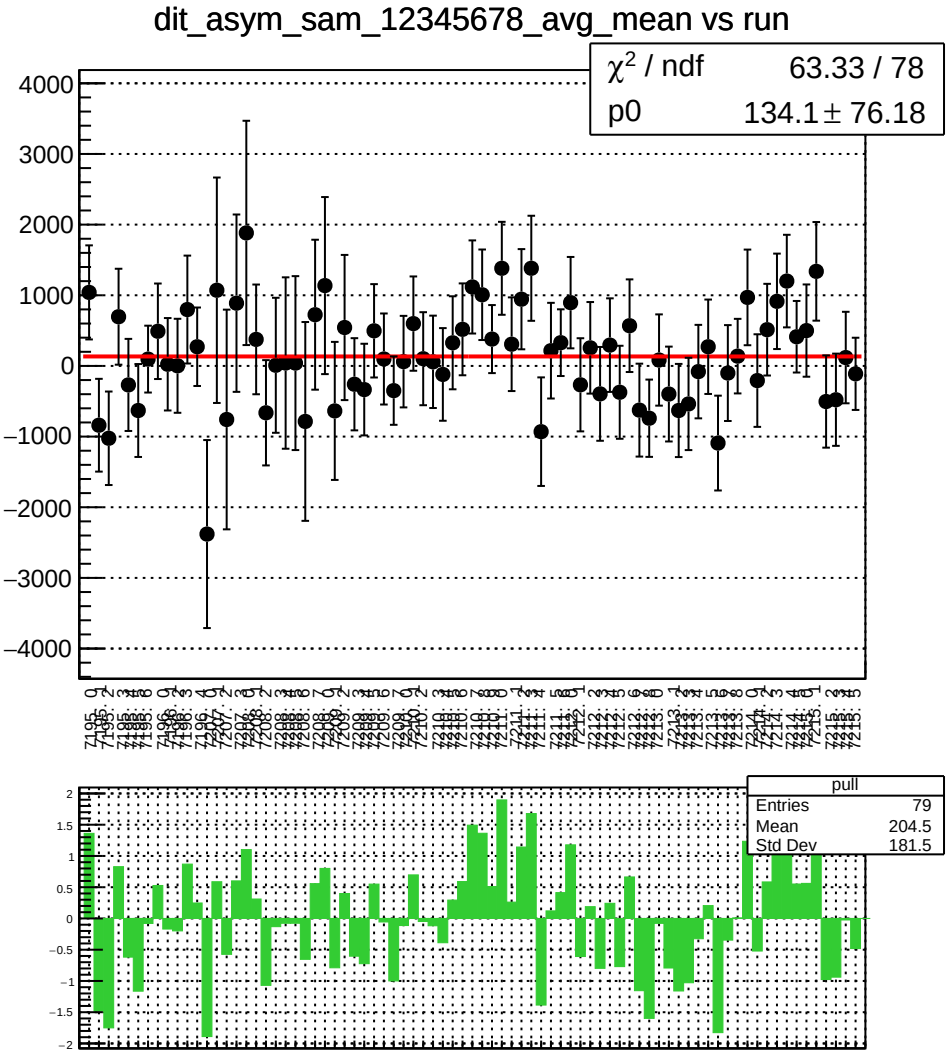

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 82.09 / 78
p0 −553.9 ± 171.8
pull
Entries 79
Mean −213.6
Std Dev 244.1
pull1D
Entries 79
Mean 0.006597
Std Dev 1.019

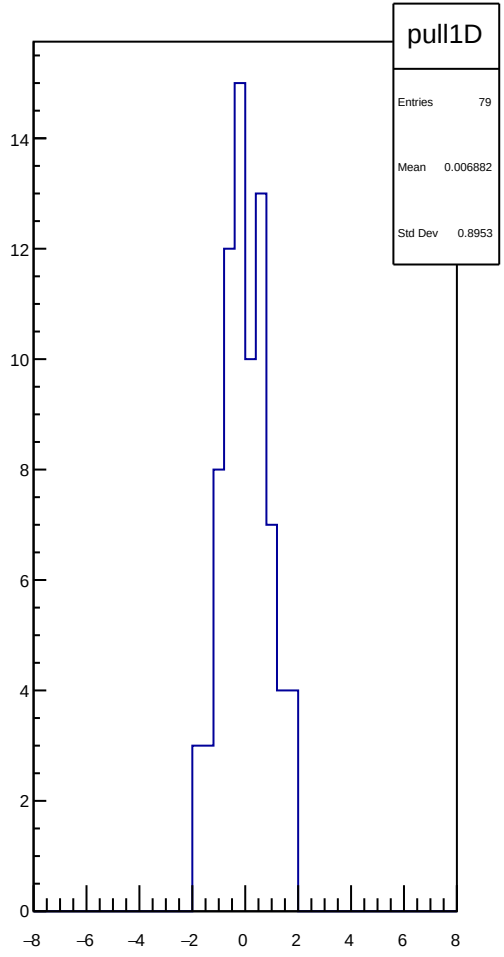

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3267 / 78
p0 152 ± 0.1215
175
170
165
160
155
150
145
140
135


asym_sam_1357_2468_dd_mean vs run
χ² / ndf 84.81 / 78
p0 537.1 ± 168.4
pull
Entries 79
Mean −206
Std Dev 231.8
pull1D
Entries 79
Mean −0.007135
Std Dev 1.036

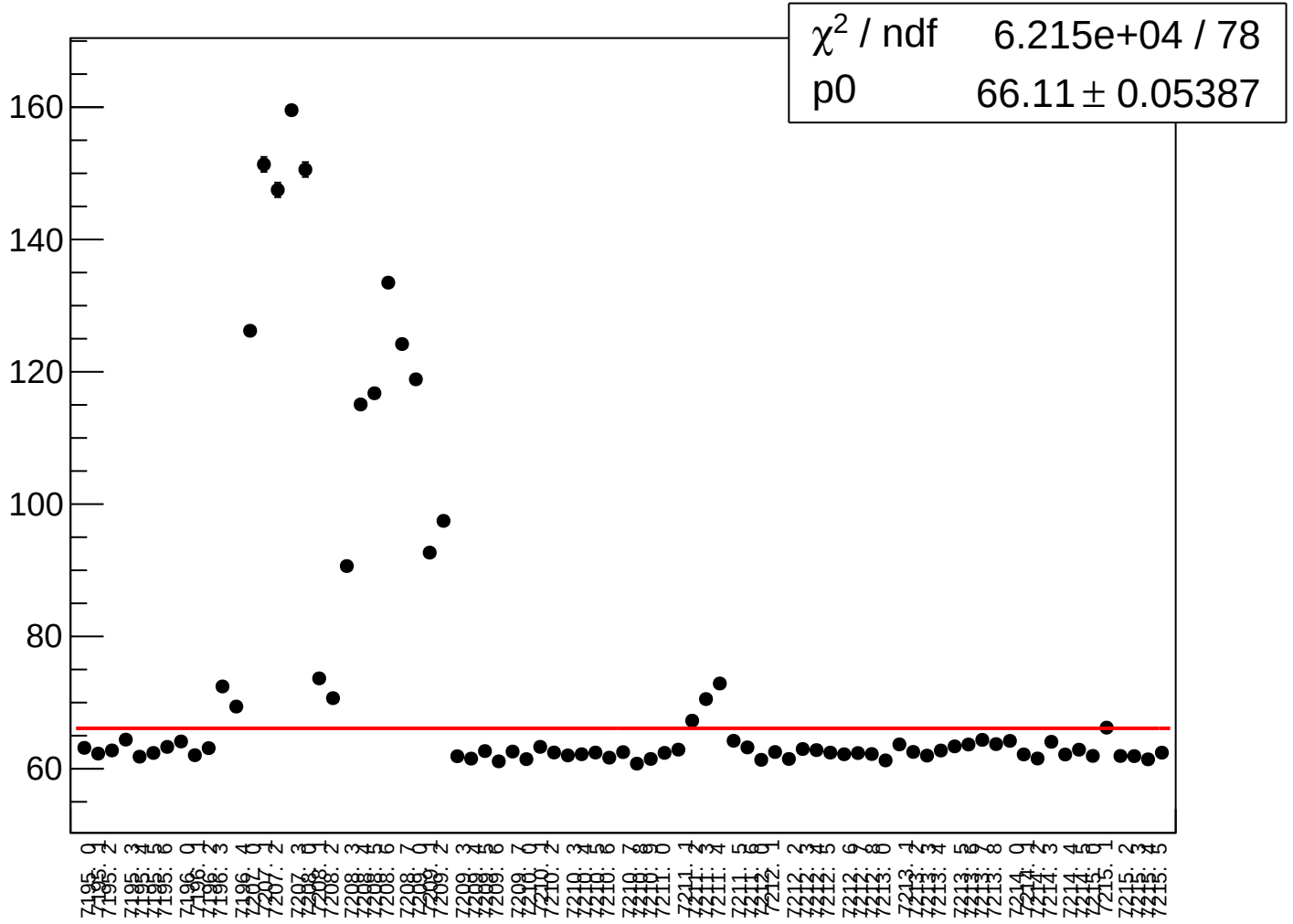
asym_sam_1357_2468_dd_rms vs run

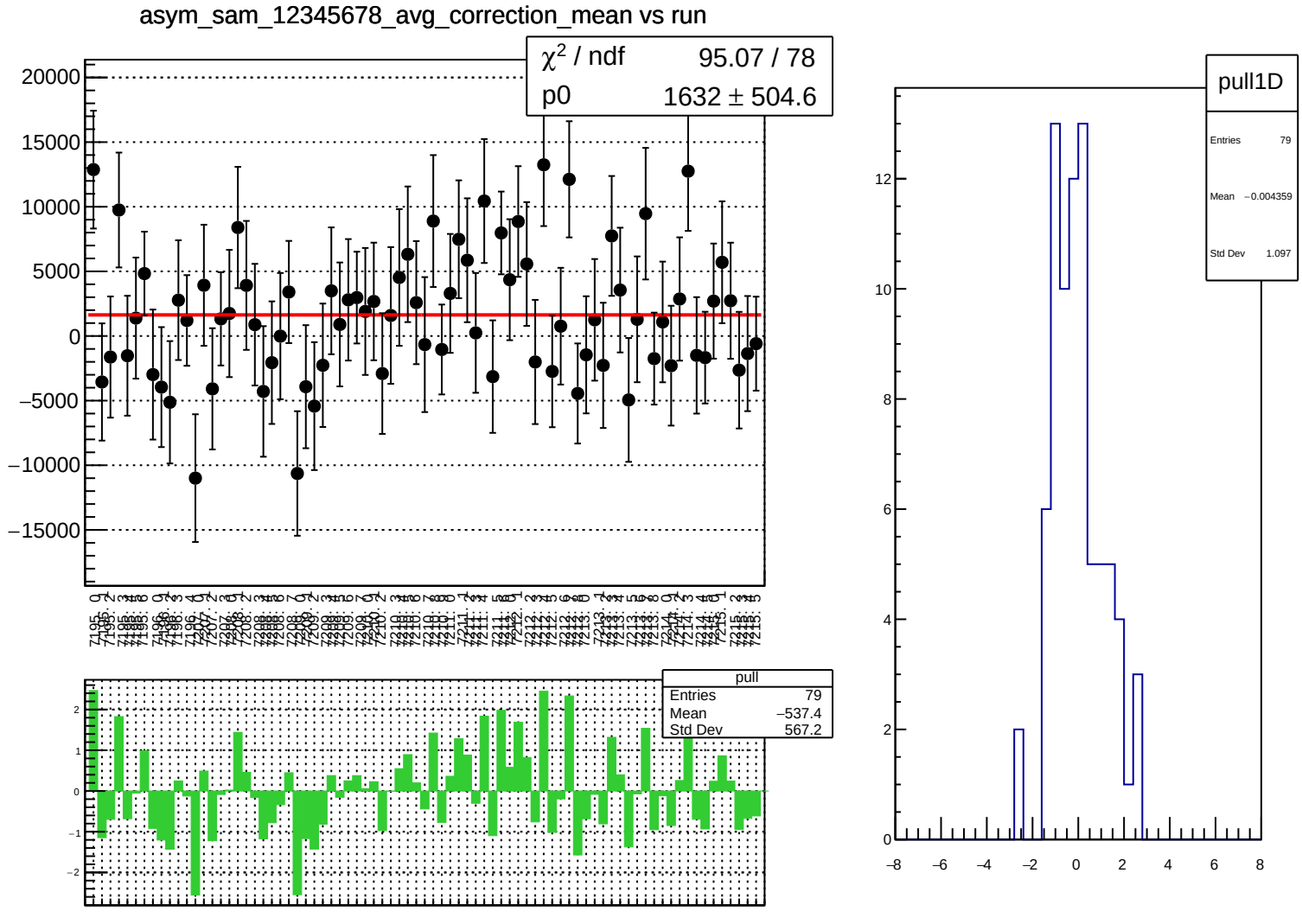



dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 63.33 / 78
p0 134.1 ± 76.18
pull
Entries 79
Mean 204.5
Std Dev 181.5

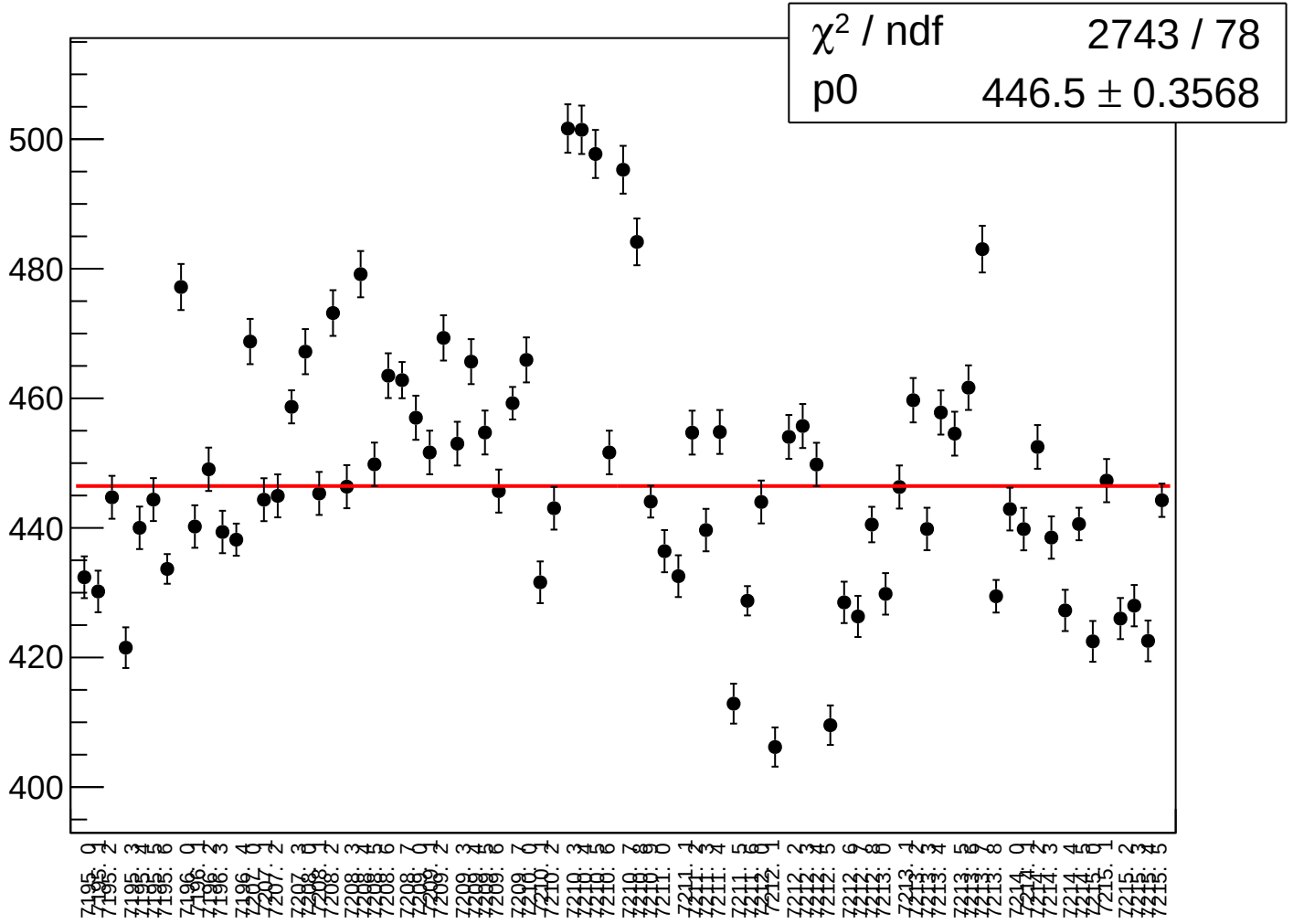

pull1D
Entries 79
Mean 0.006882
Std Dev 0.8953

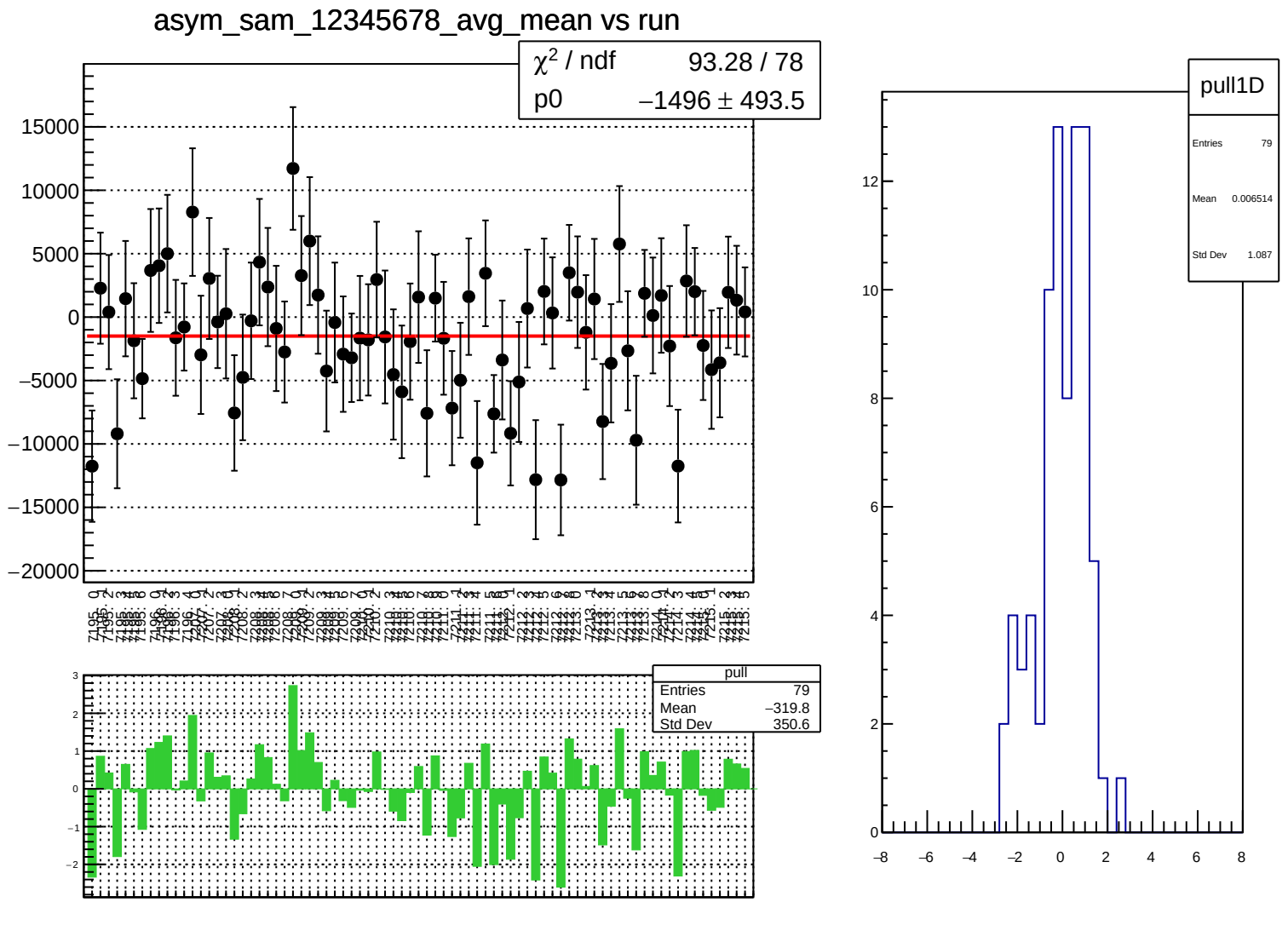
dit_asym_sam_12345678_avg_rms vs run



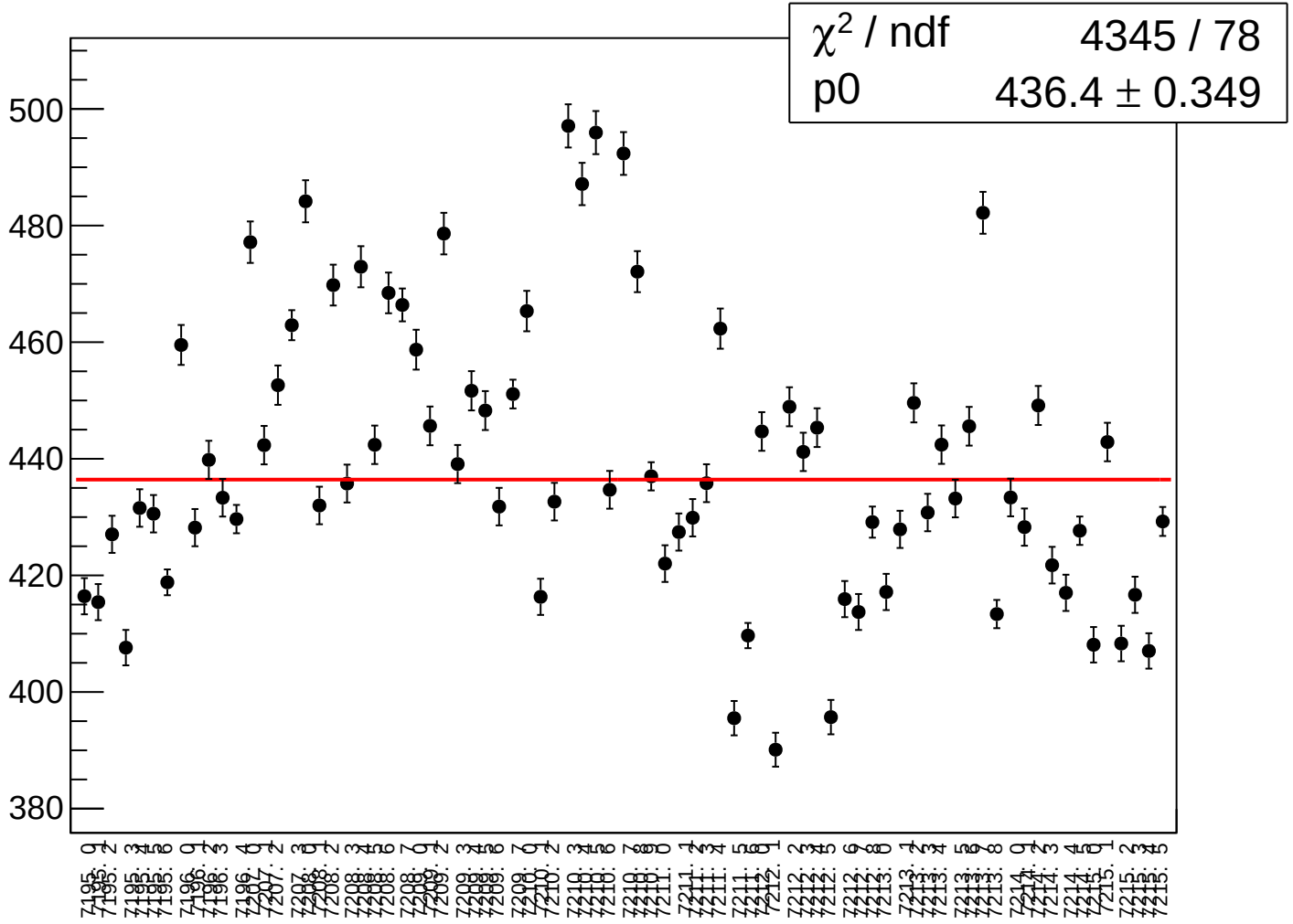

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 95.07 / 78
p0 1632 ± 504.6
pull
Entries 79
Mean −537.4
Std Dev 567.2
pull1D
Entries 79
Mean −0.004359
Std Dev 1.097

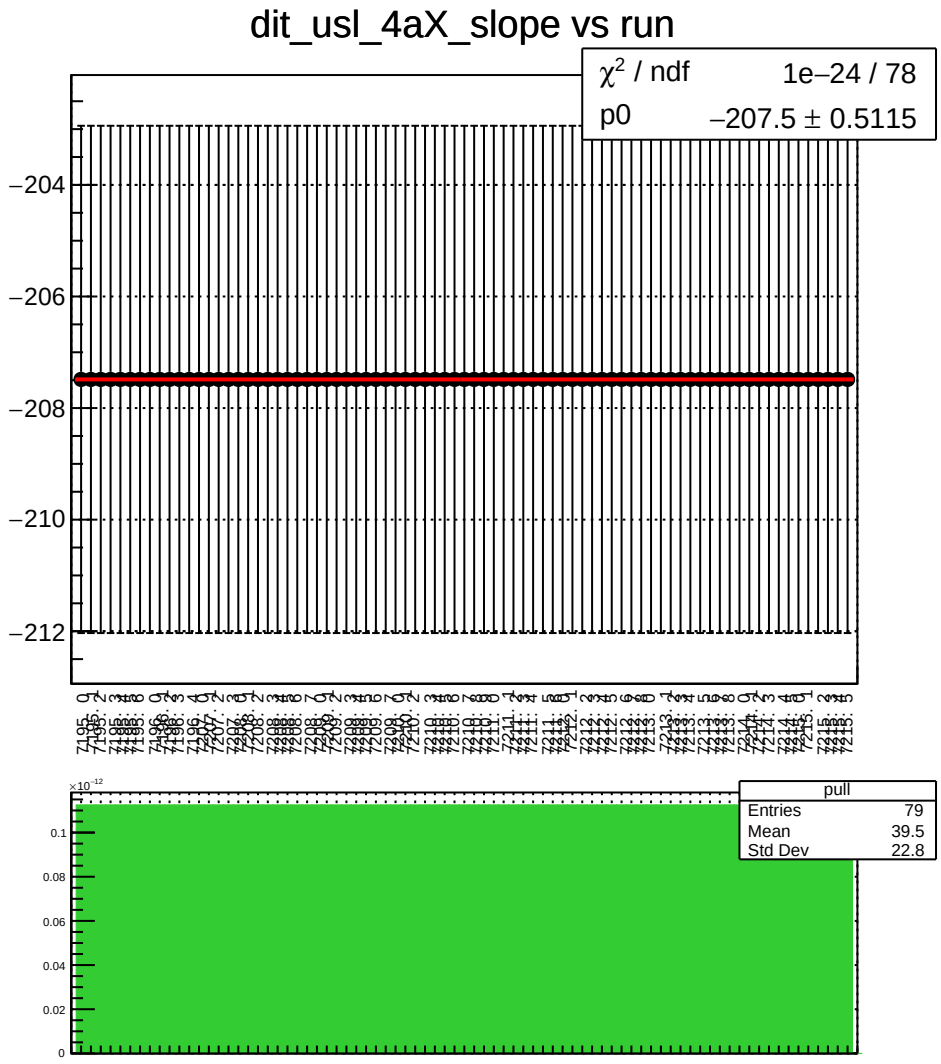
asym_sam_12345678_avg_correction_rms vs run

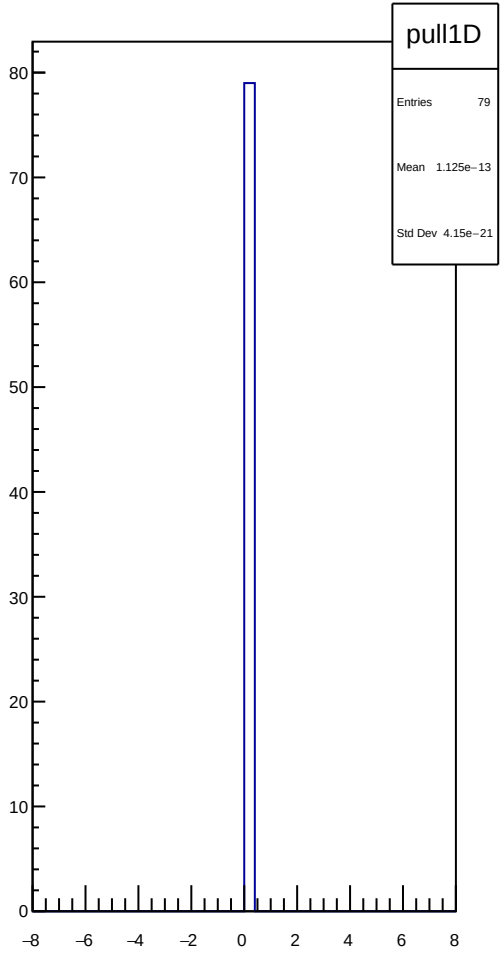


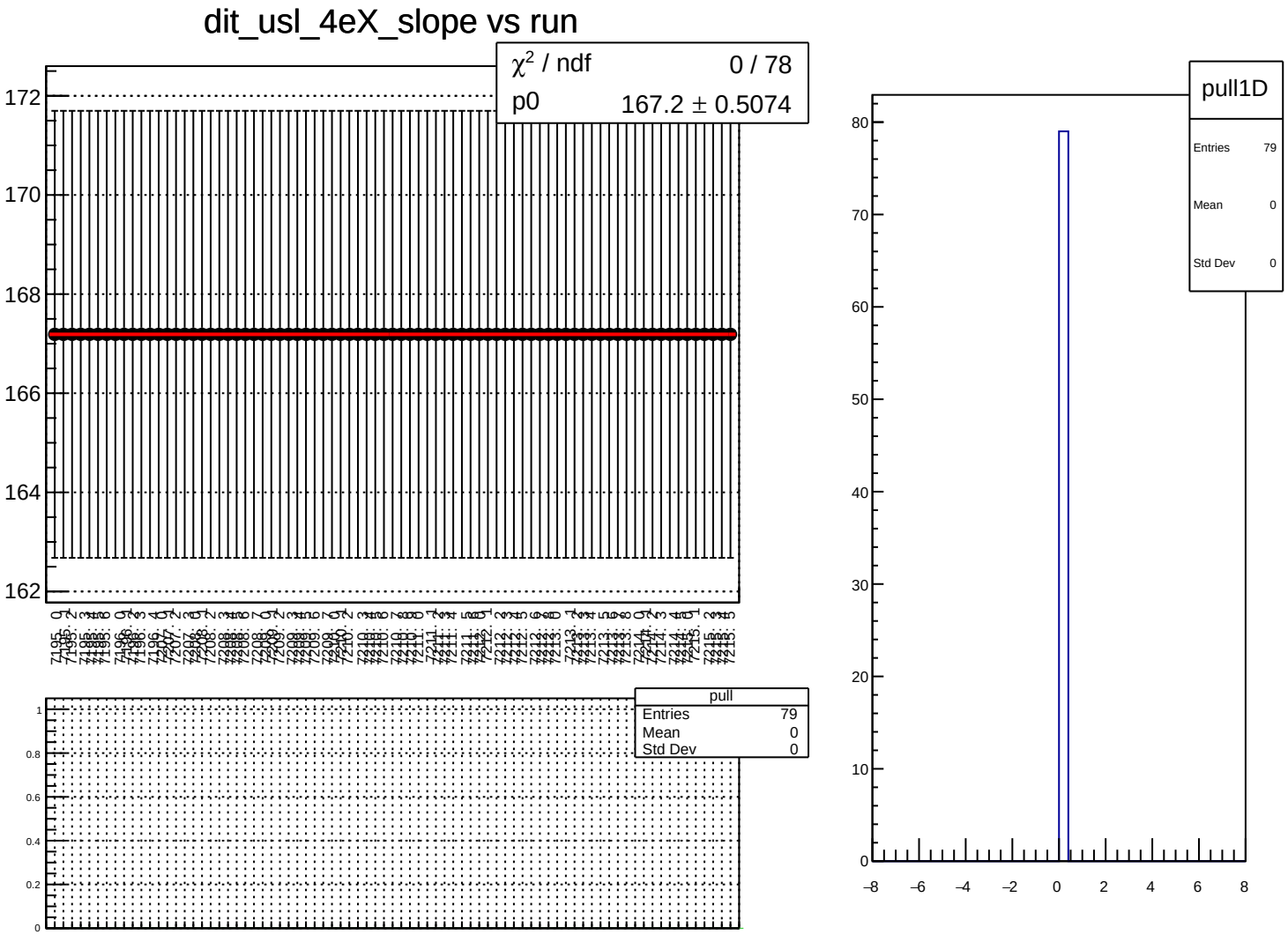

asym_sam_12345678_avg_mean vs run
χ² / ndf 93.28 / 78
p0 −1496 ± 493.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 79
Mean −319.8
Std Dev 350.6
3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.006514
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_12345678_avg_rms vs run

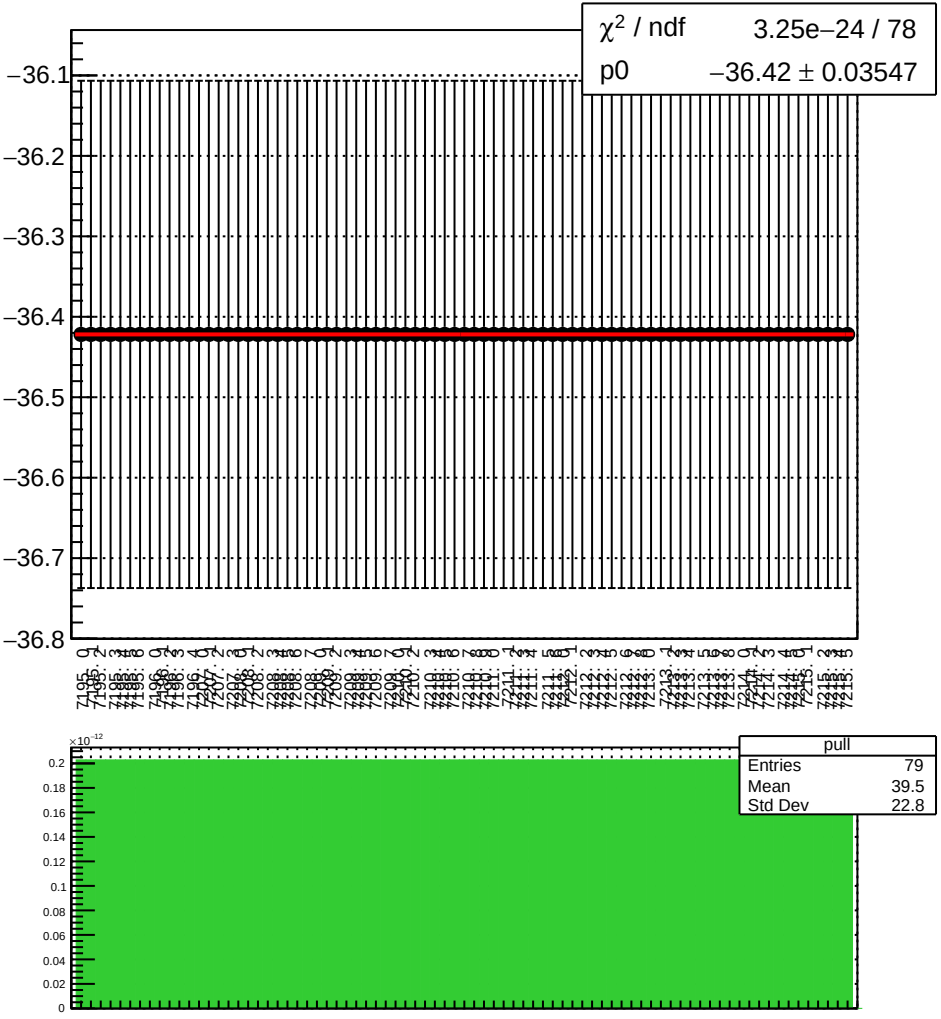


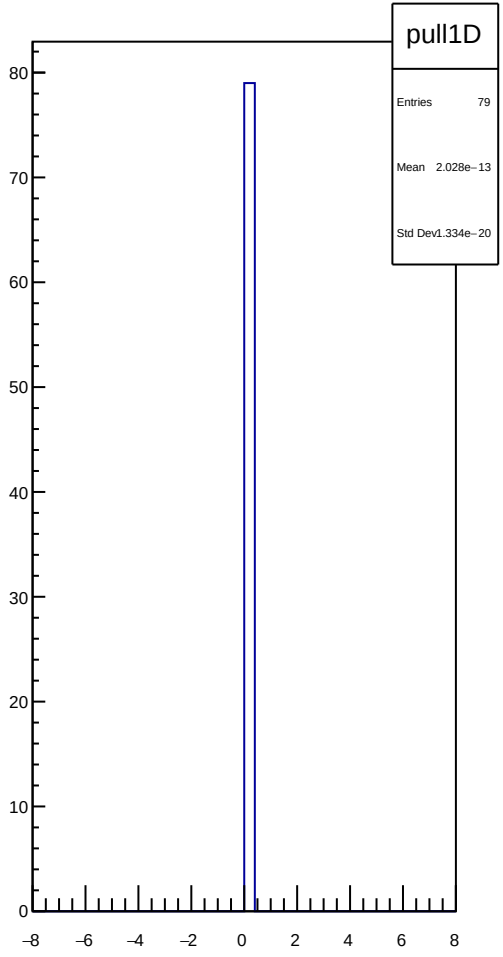

dit_usl_4aX_slope vs run
χ² / ndf 1e−24 / 78
p0 −207.5 ± 0.5115
−204
−206
−208
−210
−212
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

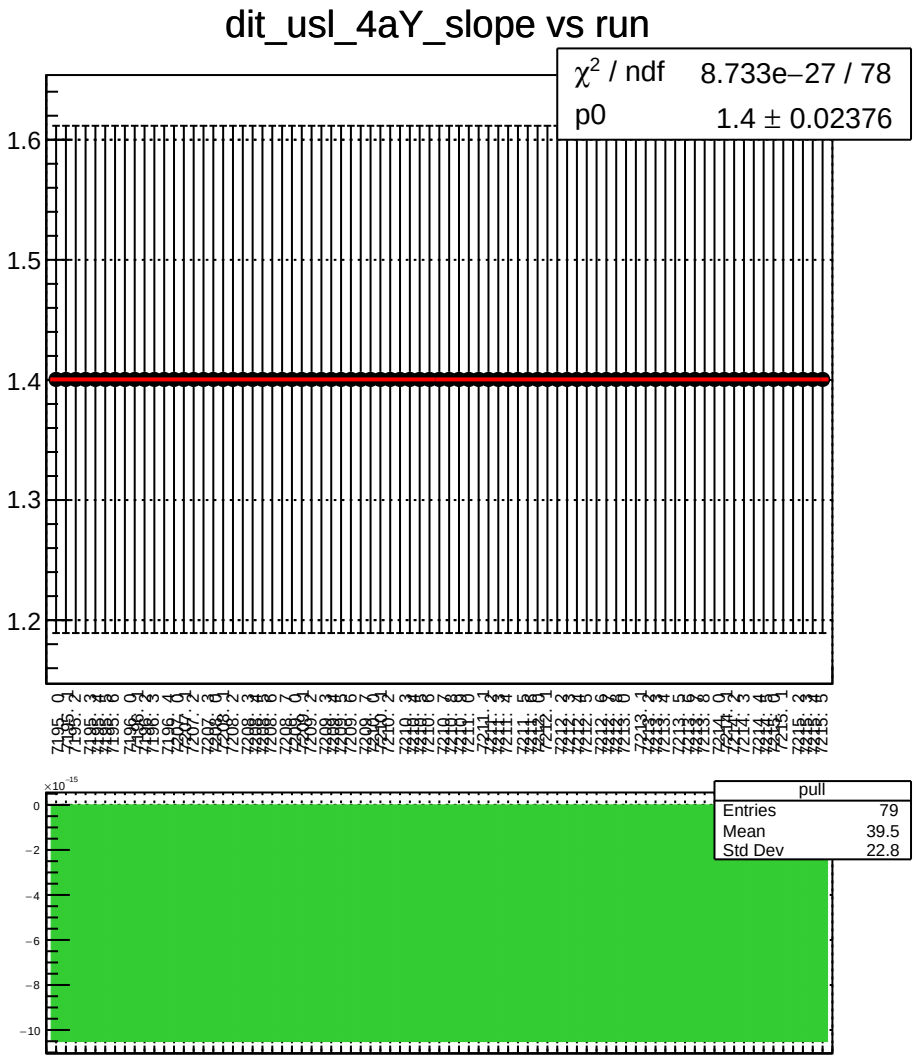

pull1D
Entries 79
Mean 1.125e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

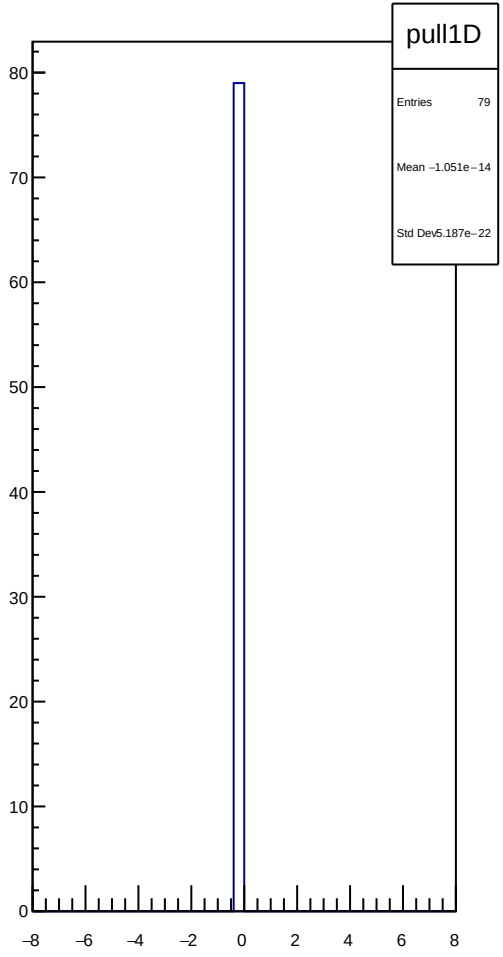

dit_usl_4eX_slope vs run
χ^2 / ndf 0 / 78
p0 167.2 ± 0.5074
172
170
168
166
164
162
pull
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 79
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

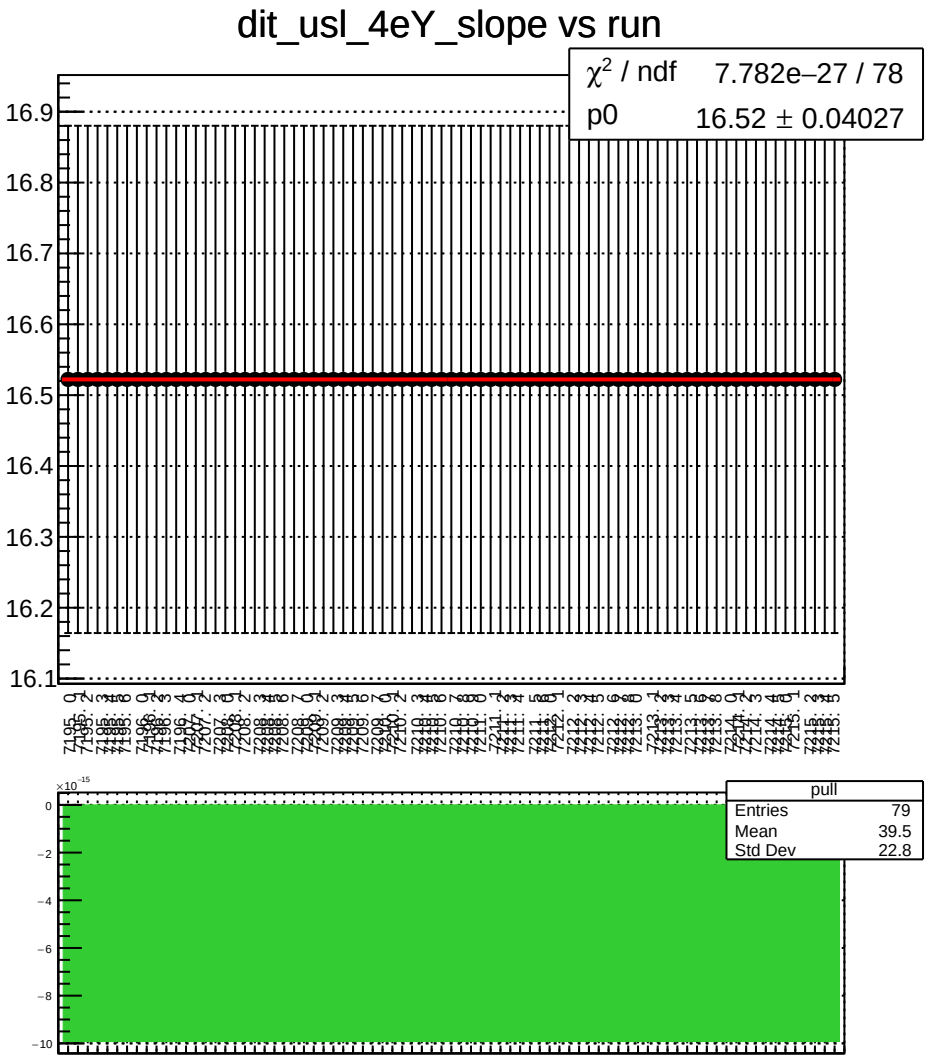
dit_usl_11X12X_slope vs run

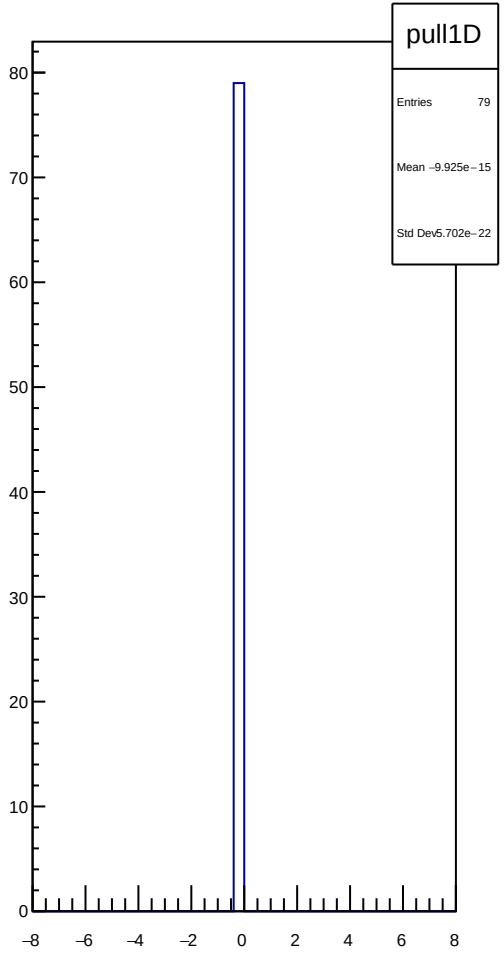


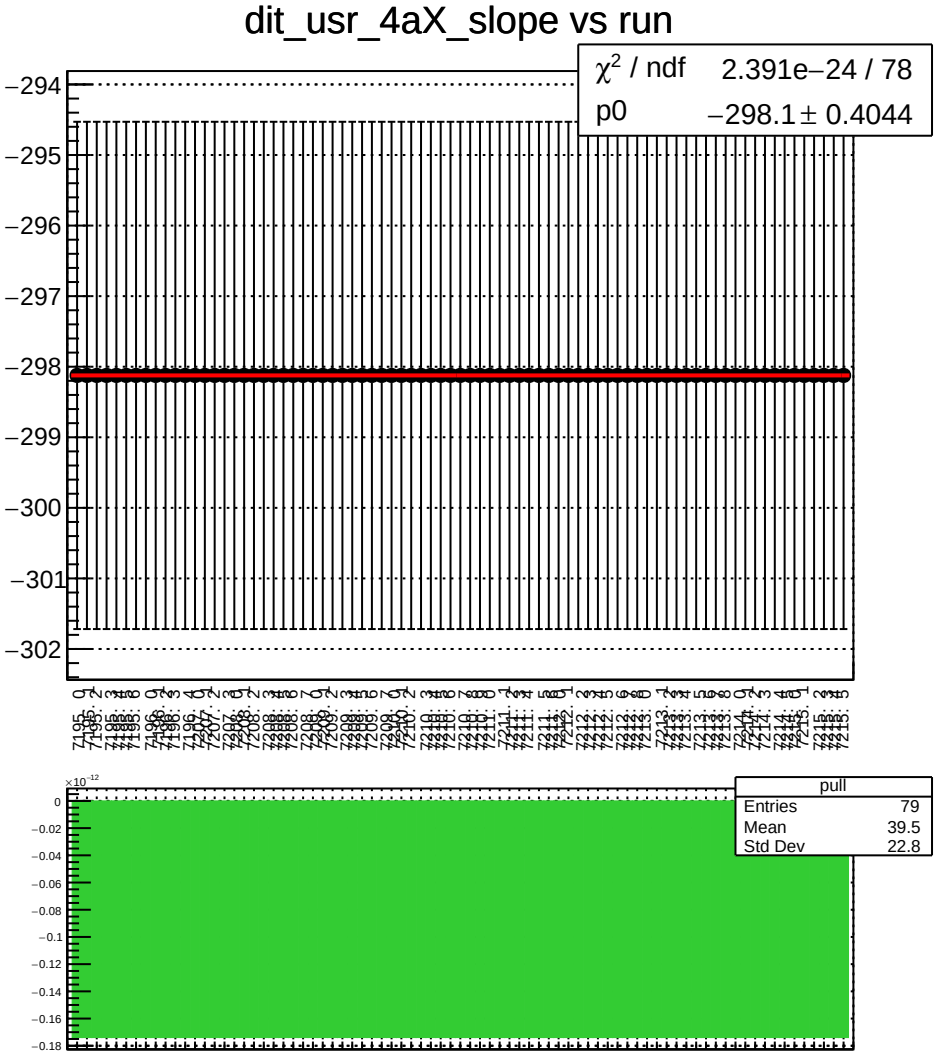


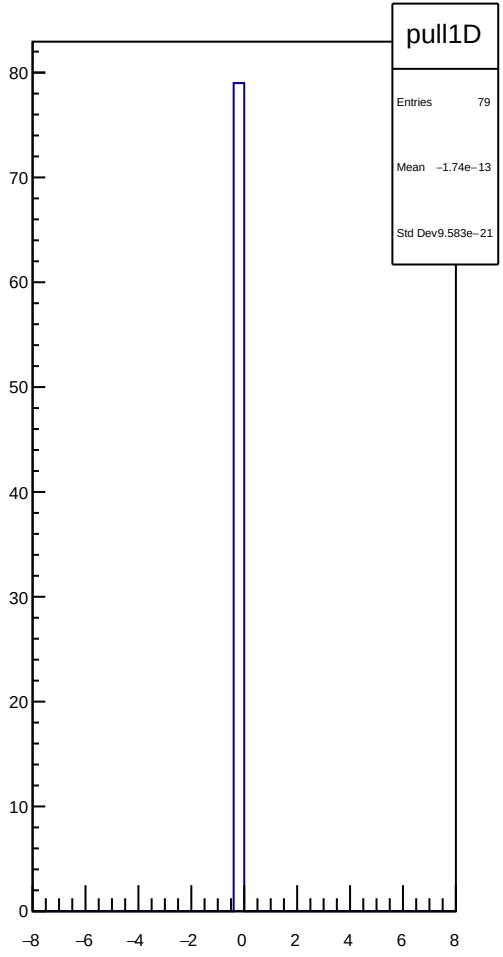

dit_usl_4aY_slope vs run
χ^2 / ndf 8.733e−27 / 78
p0 1.4 ± 0.02376
1.6
1.5
1.4
1.3
1.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−2
−4
−6
−8
−10

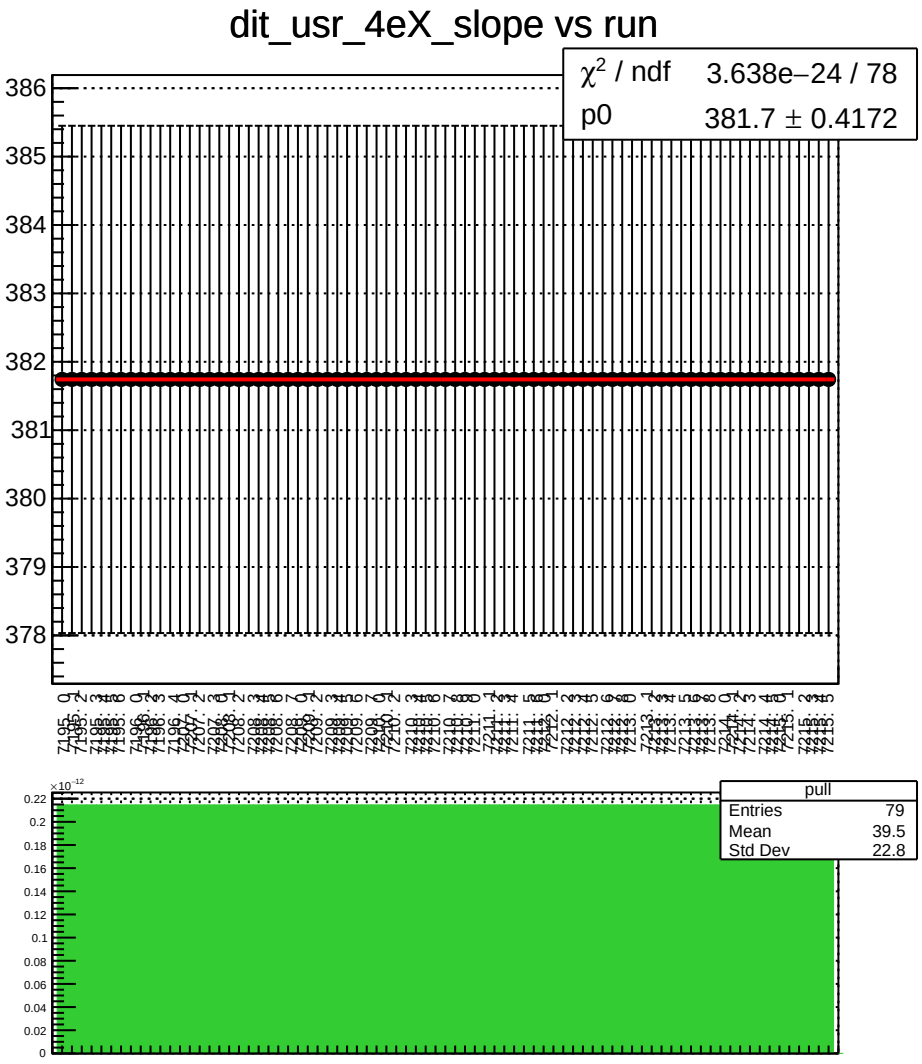

pull1D
Entries 79
Mean −1.051e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

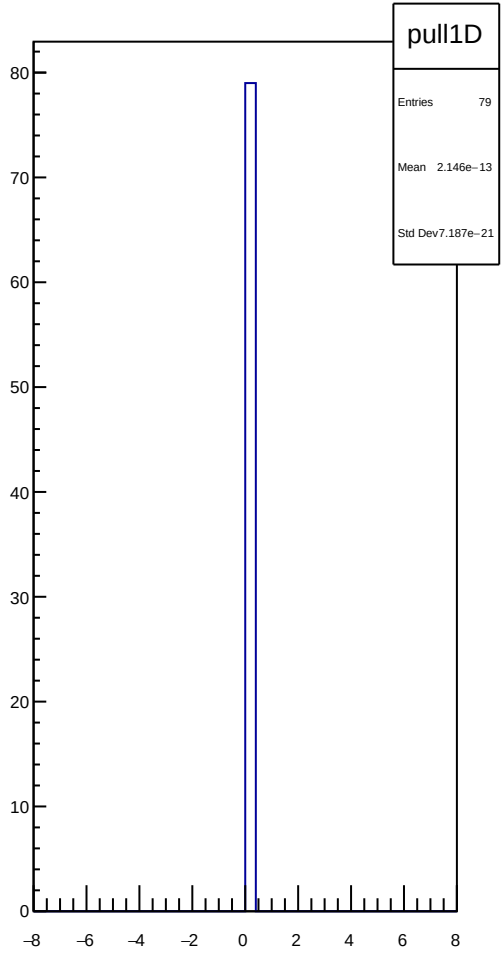

dit_usl_4eY_slope vs run
χ^2 / ndf 7.782e−27 / 78
p0 16.52 ± 0.04027
16.9
16.8
16.7
16.6
16.5
16.4
16.3
16.2
16.1
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−2
−4
−6
−8
−10


pull1D
Entries 79
Mean −9.925e−15
Std Dev 5.702e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

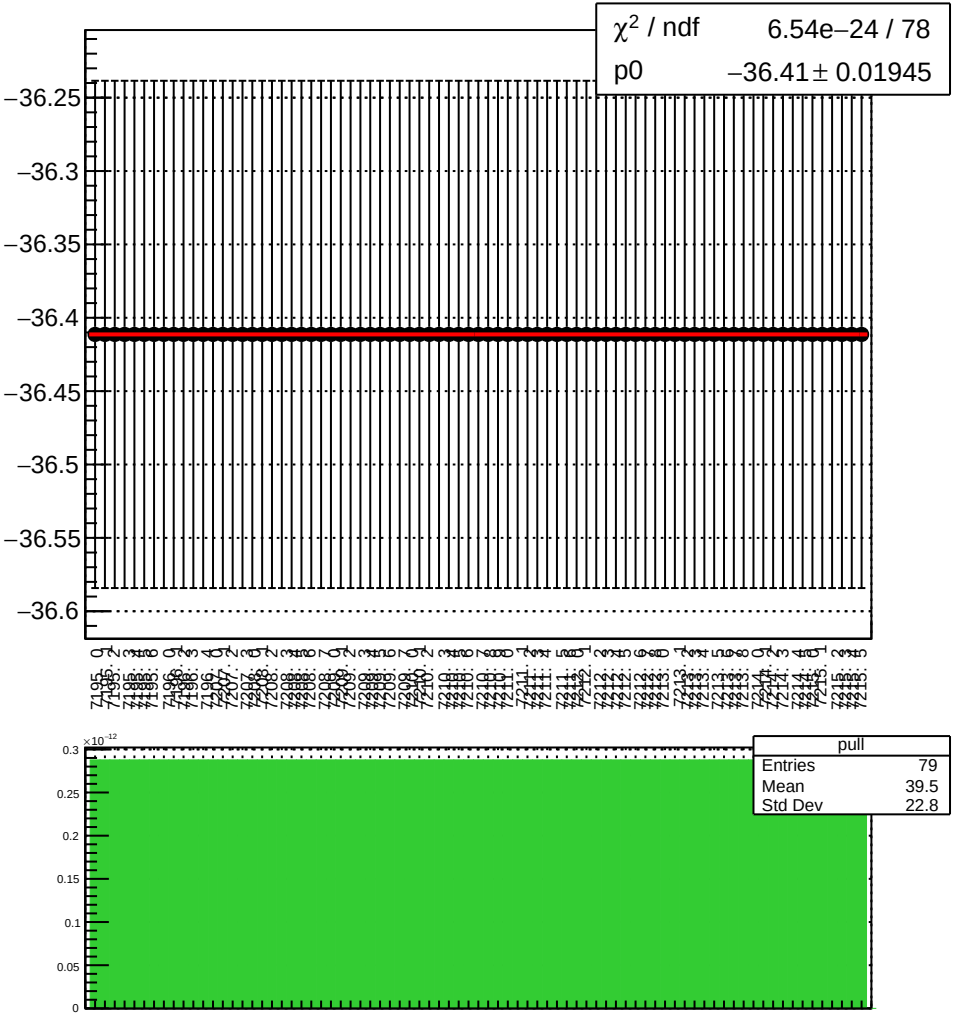

dit_usr_4aX_slope vs run
χ^2 / ndf 2.391e−24 / 78
p0 −298.1 ± 0.4044
pull
Entries 79
Mean 39.5
Std Dev 22.8

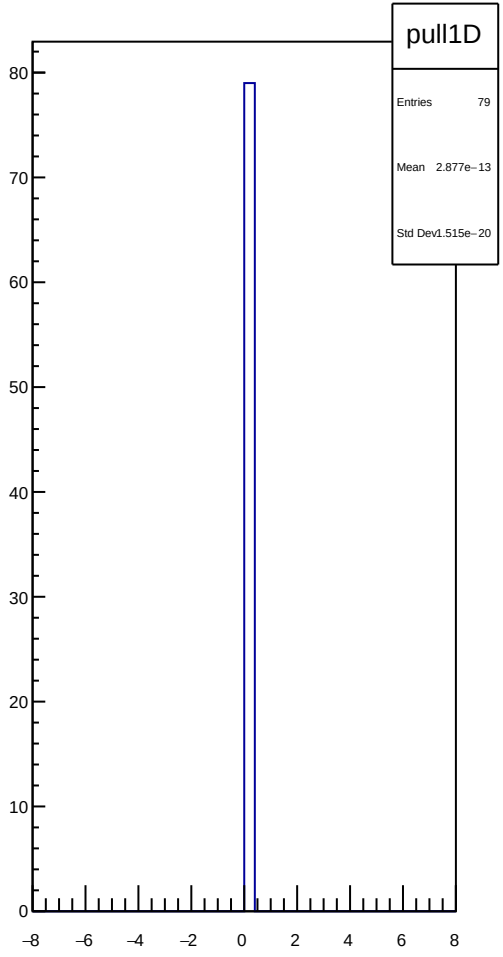

pull1D
Entries 79
Mean −1.74e−13
Std Dev9.583e−21

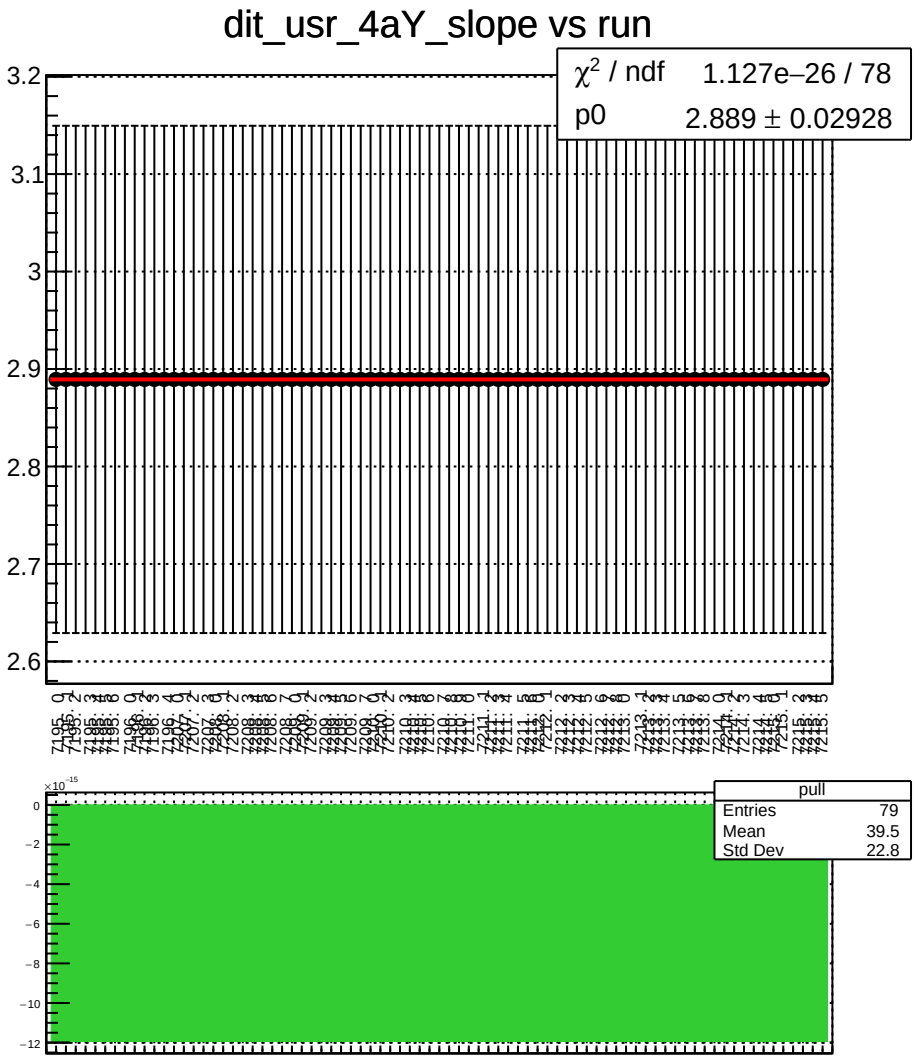

dit_usr_4eX_slope vs run
χ² / ndf 3.638e−24 / 78
p0 381.7 ± 0.4172
386
385
384
383
382
381
380
379
378
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

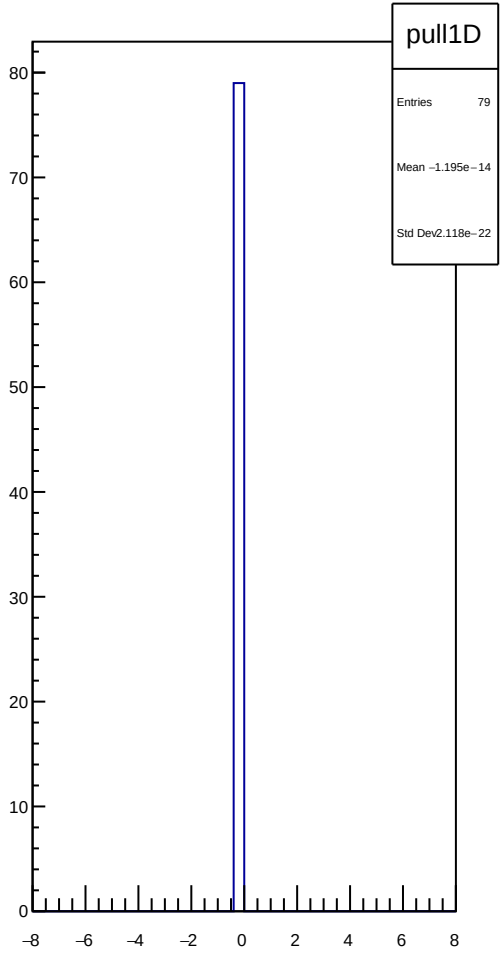

pull1D
Entries 79
Mean 2.146e−13
Std Dev 7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

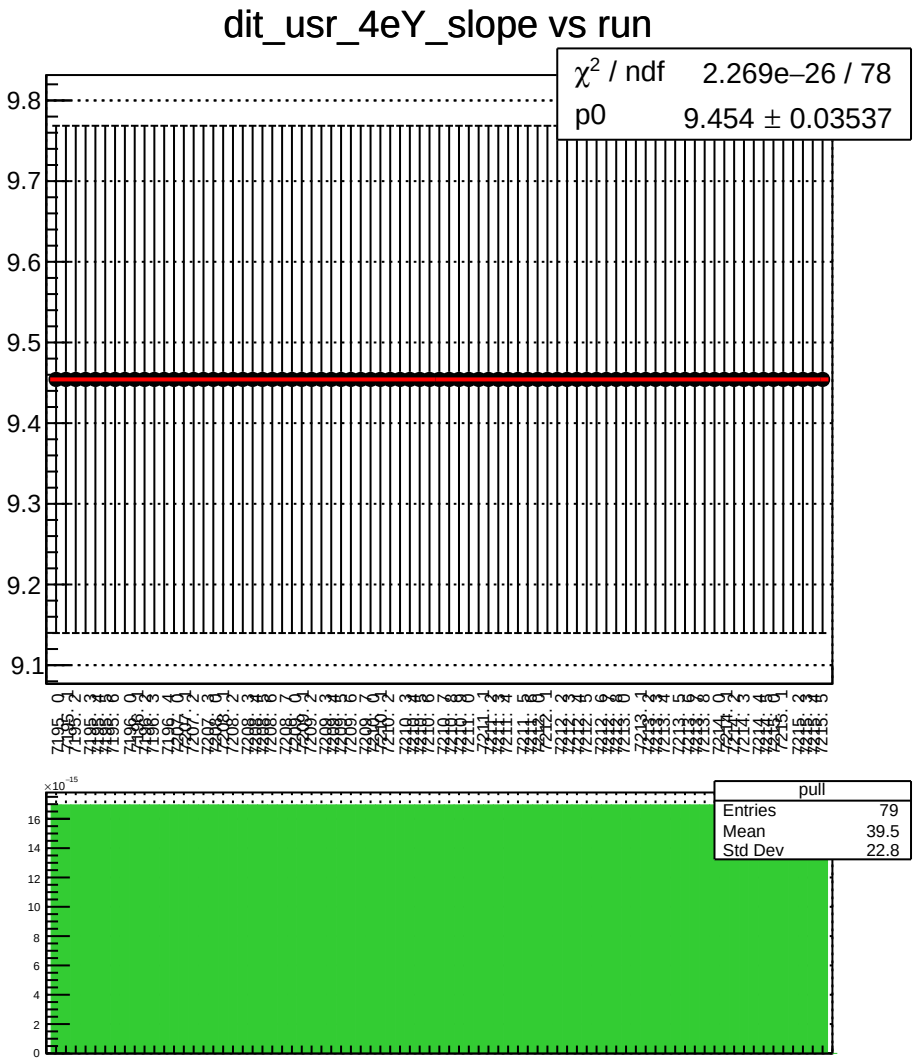
dit_usr_11X12X_slope vs run

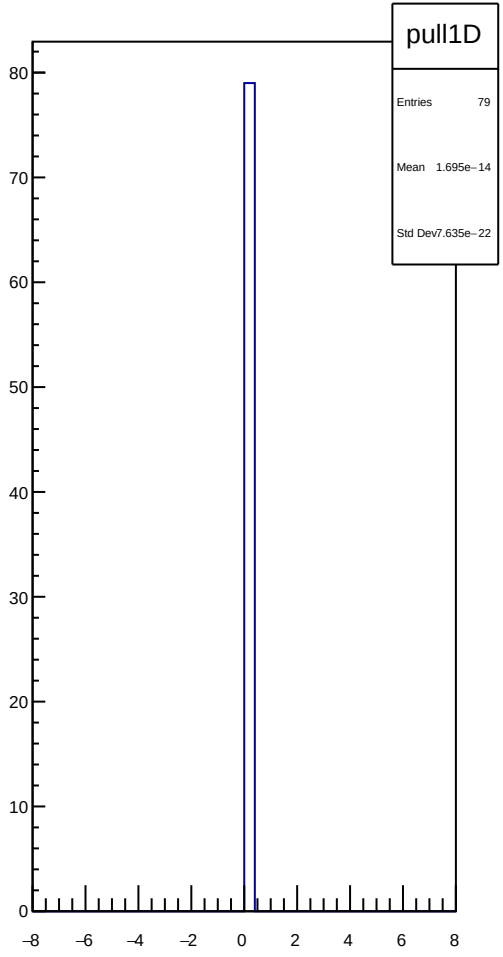


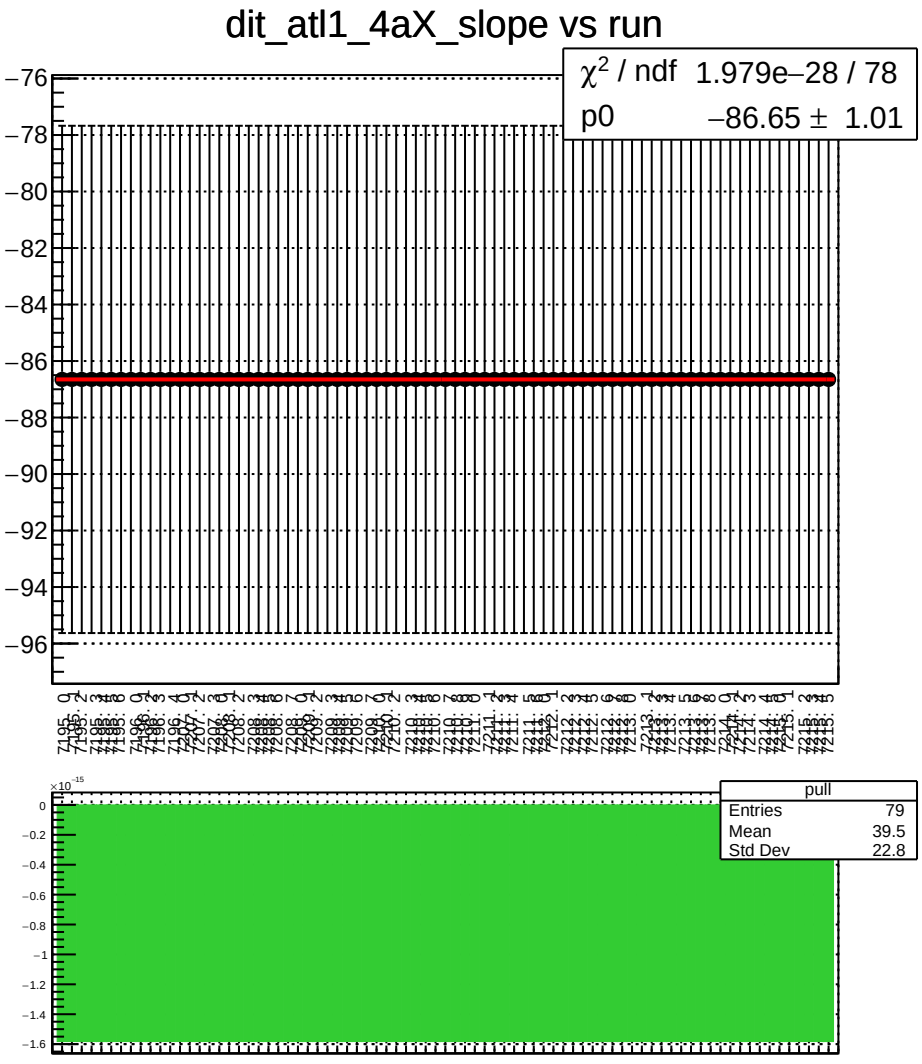


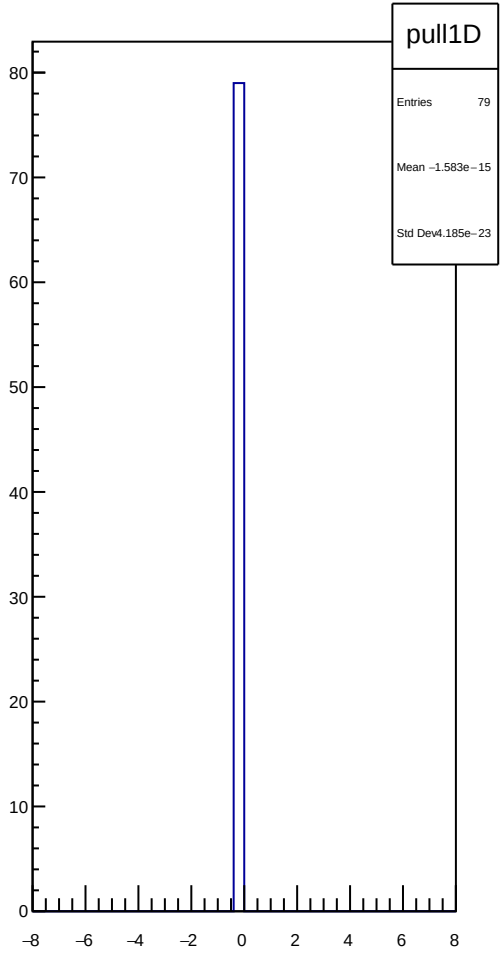

dit_usr_4aY_slope vs run
χ^2 / ndf 1.127e−26 / 78
p0 2.889 ± 0.02928
3.2
3.1
3
2.9
2.8
2.7
2.6
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−2
−4
−6
−8
−10
−12

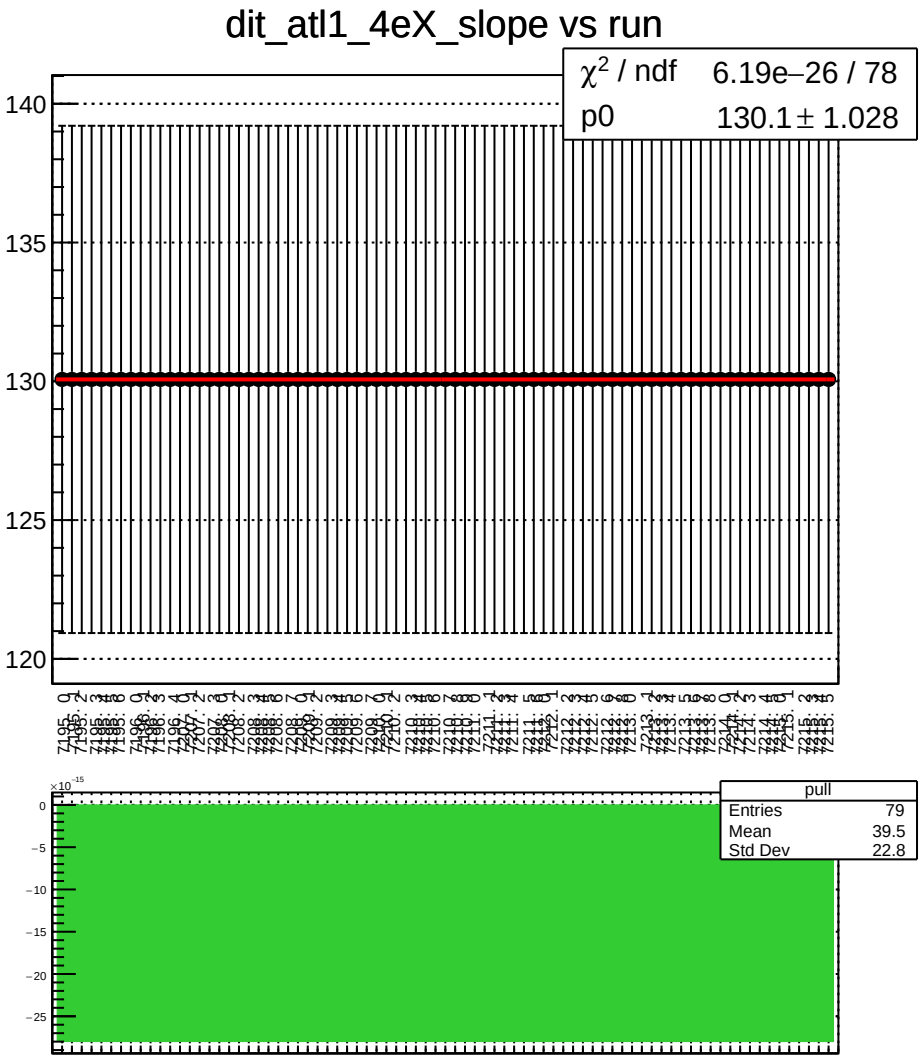

pull1D
Entries 79
Mean −1.195e−14
Std Dev 2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

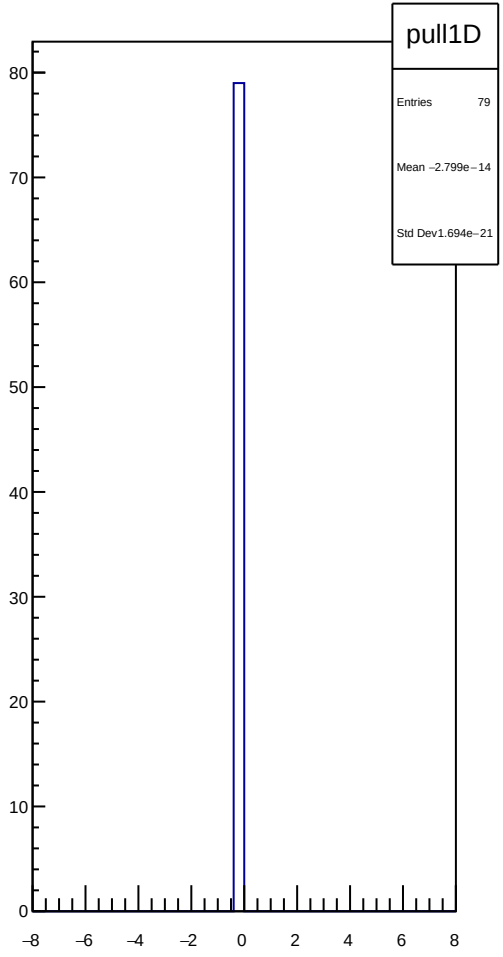

dit_usr_4eY_slope vs run
χ^2 / ndf 2.269e−26 / 78
p0 9.454 ± 0.03537
9.8
9.7
9.6
9.5
9.4
9.3
9.2
9.1
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^-15
16
14
12
10
8
6
4
2
0

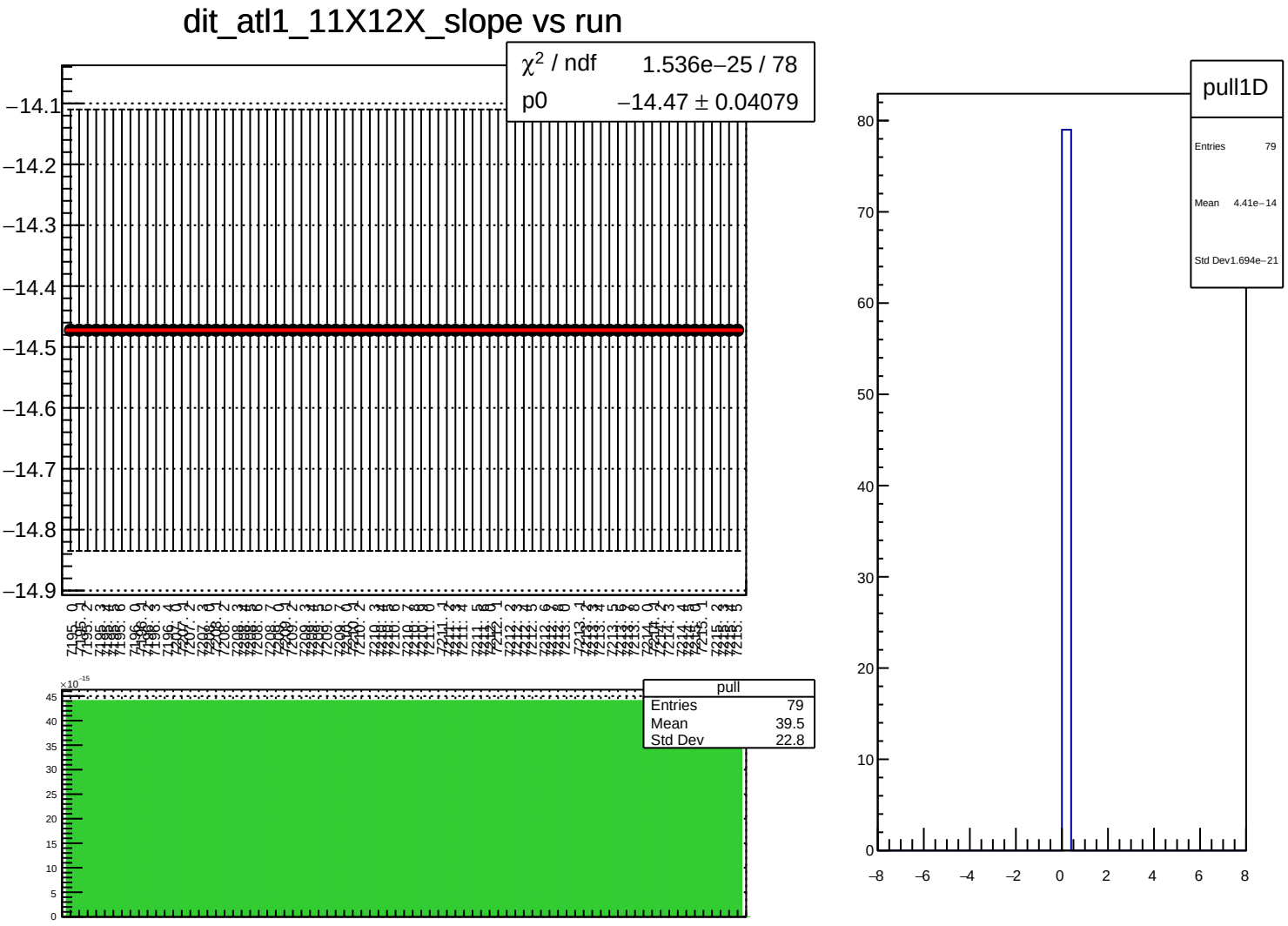

pull1D
Entries 79
Mean 1.695e−14
Std Dev7.635e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

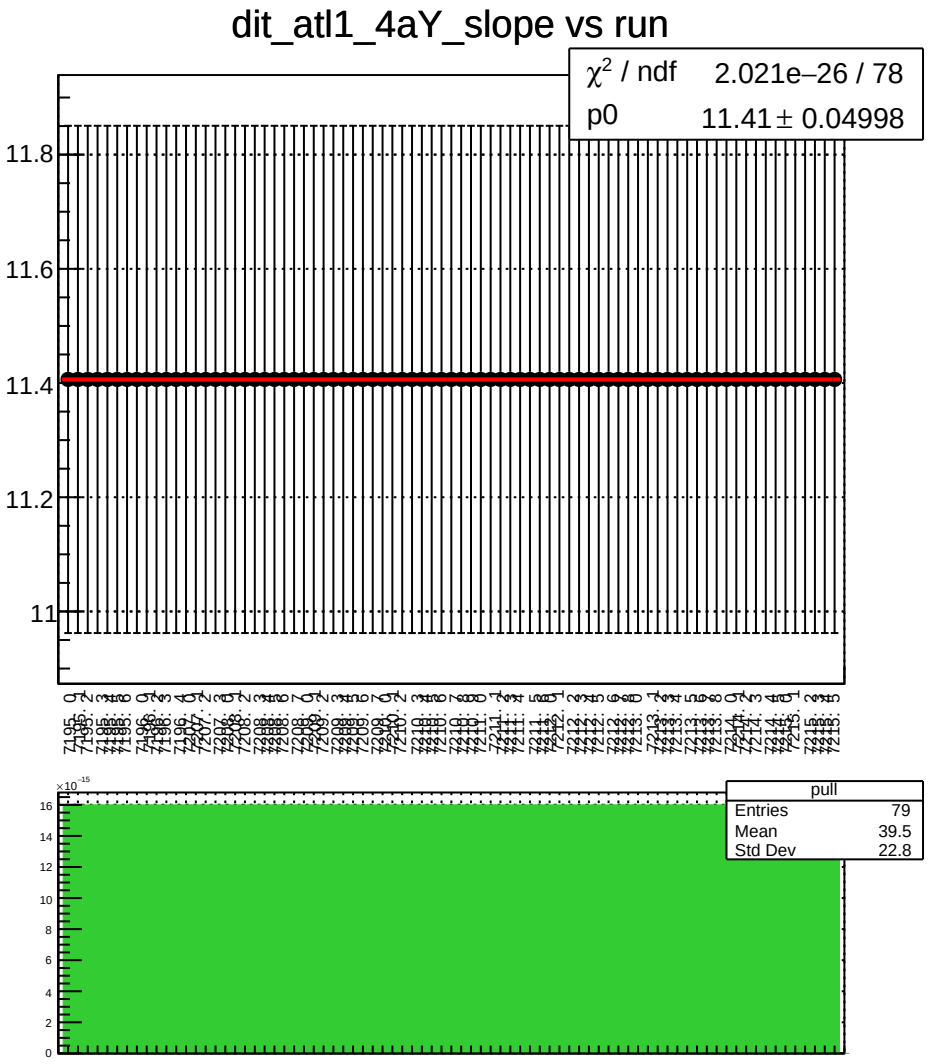

dit_atl1_4aX_slope vs run
χ^2 / ndf 1.979e−28 / 78
p0 −86.65 ± 1.01
pull
Entries 79
Mean 39.5
Std Dev 22.8

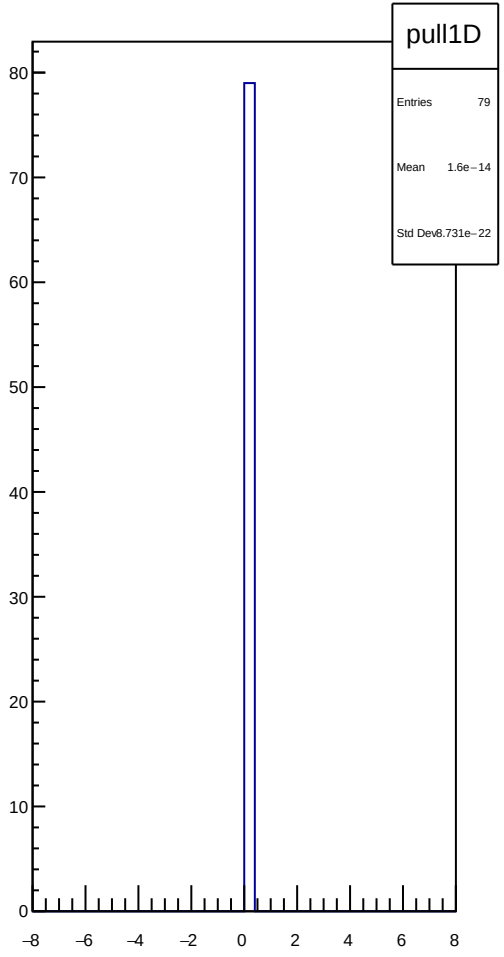

pull1D
Entries 79
Mean −1.583e−15
Std Dev4.185e−23

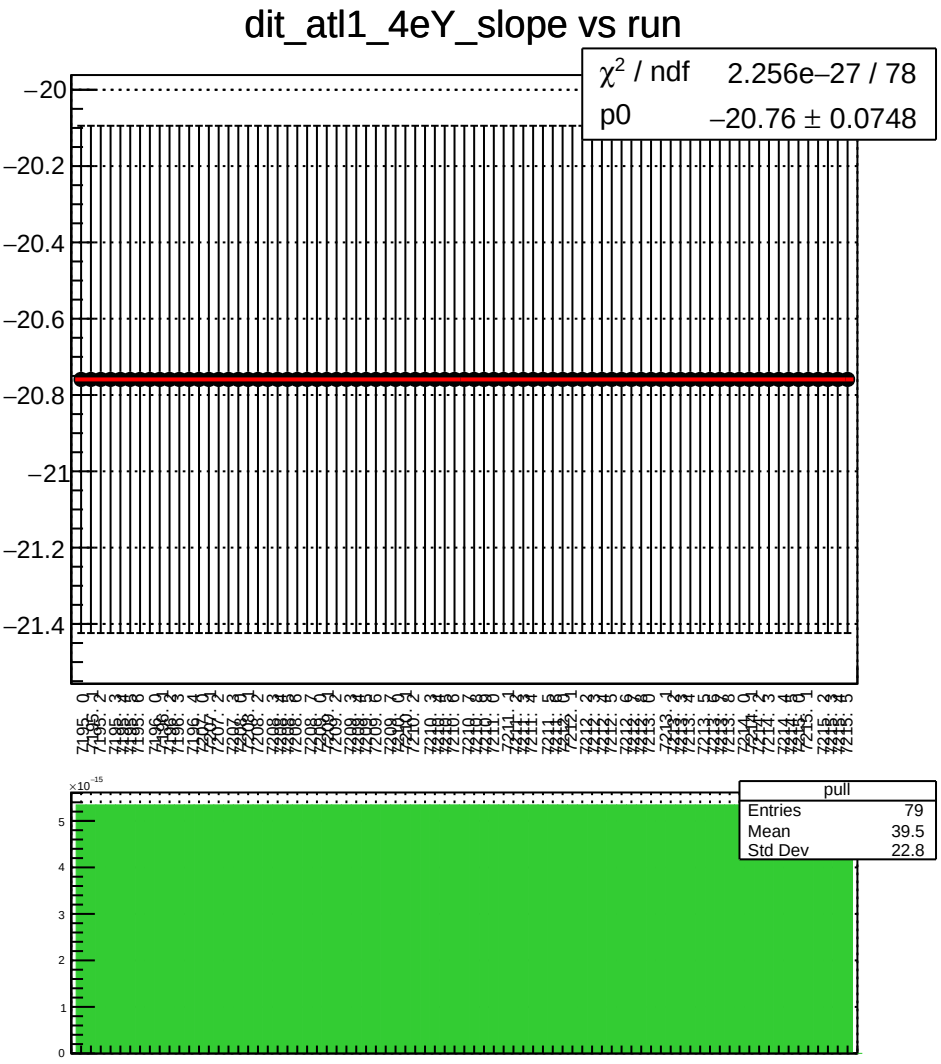

dit_atl1_4eX_slope vs run
χ^2 / ndf 6.19e−26 / 78
p0 130.1 ± 1.028
140
135
130
125
120
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−5
−10
−15
−20
−25

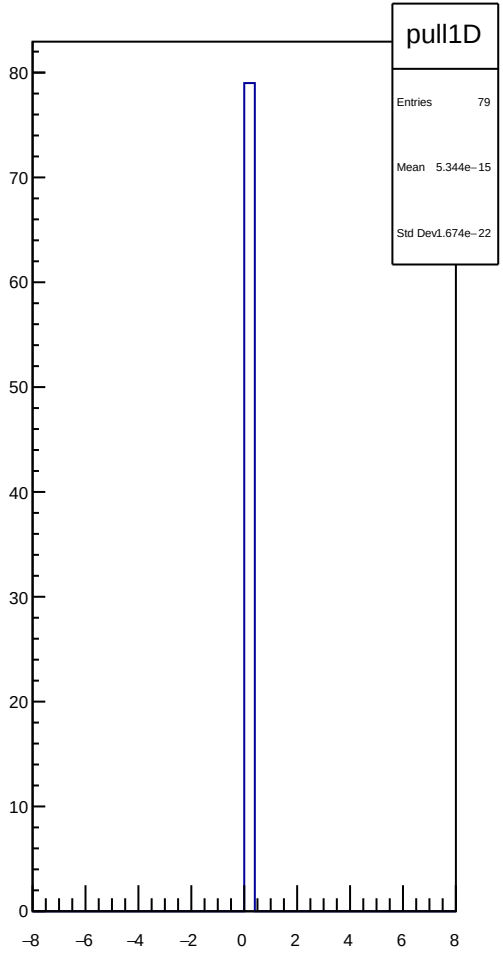

pull1D
Entries 79
Mean −2.799e−14
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

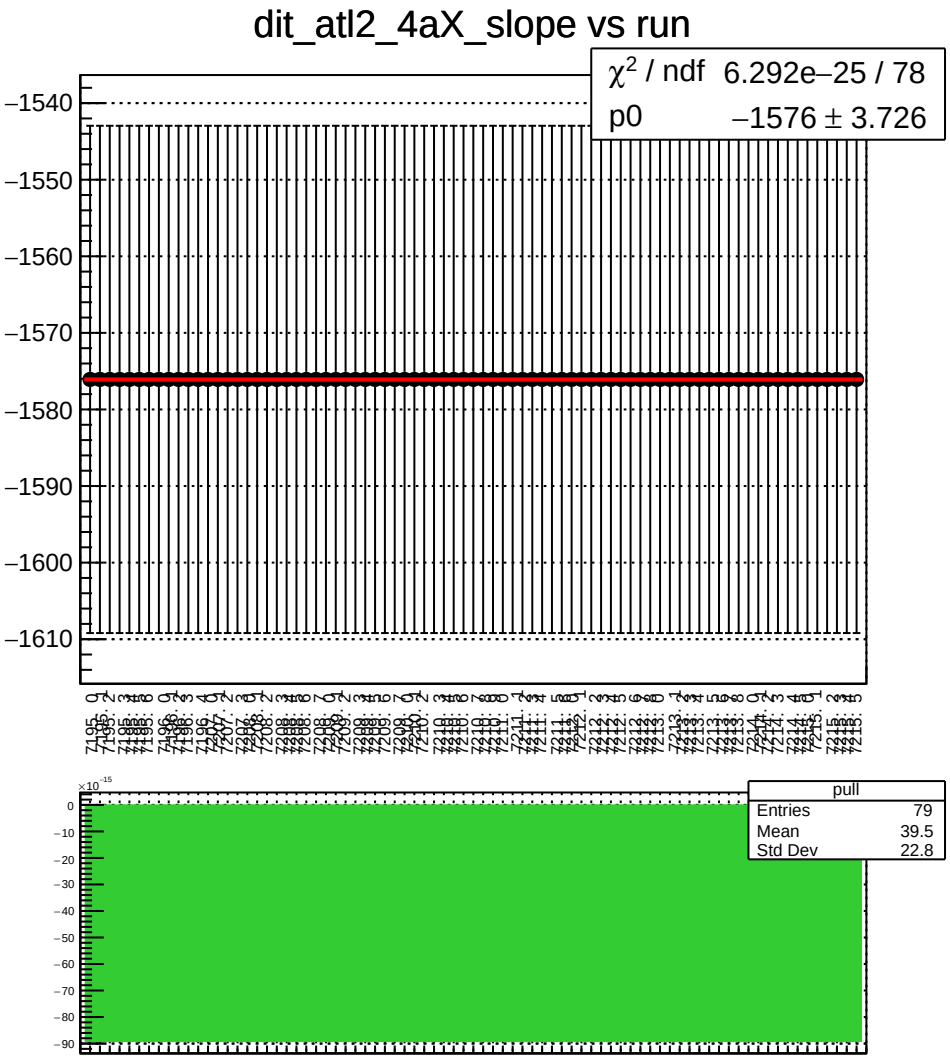

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.536e−25 / 78
p0 −14.47 ± 0.04079
−14.1
−14.2
−14.3
−14.4
−14.5
−14.6
−14.7
−14.8
−14.9
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
pull1D
Entries 79
Mean 4.41e−14
Std Dev 1.694e−21

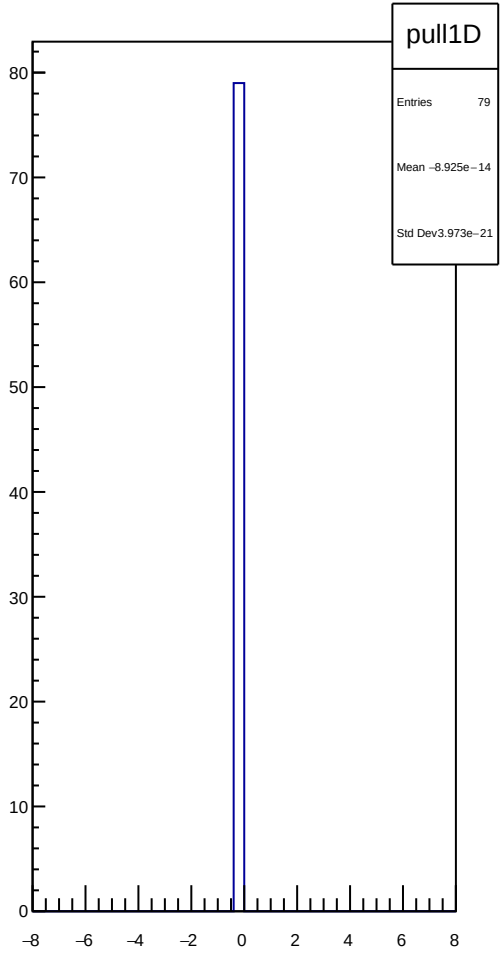

dit_atl1_4aY_slope vs run
χ^2 / ndf 2.021e−26 / 78
p0 11.41 ± 0.04998
11.8
11.6
11.4
11.2
11
pull
Entries 79
Mean 39.5
Std Dev 22.8
$\times 10^{-15}$
16
14
12
10
8
6
4
2
0

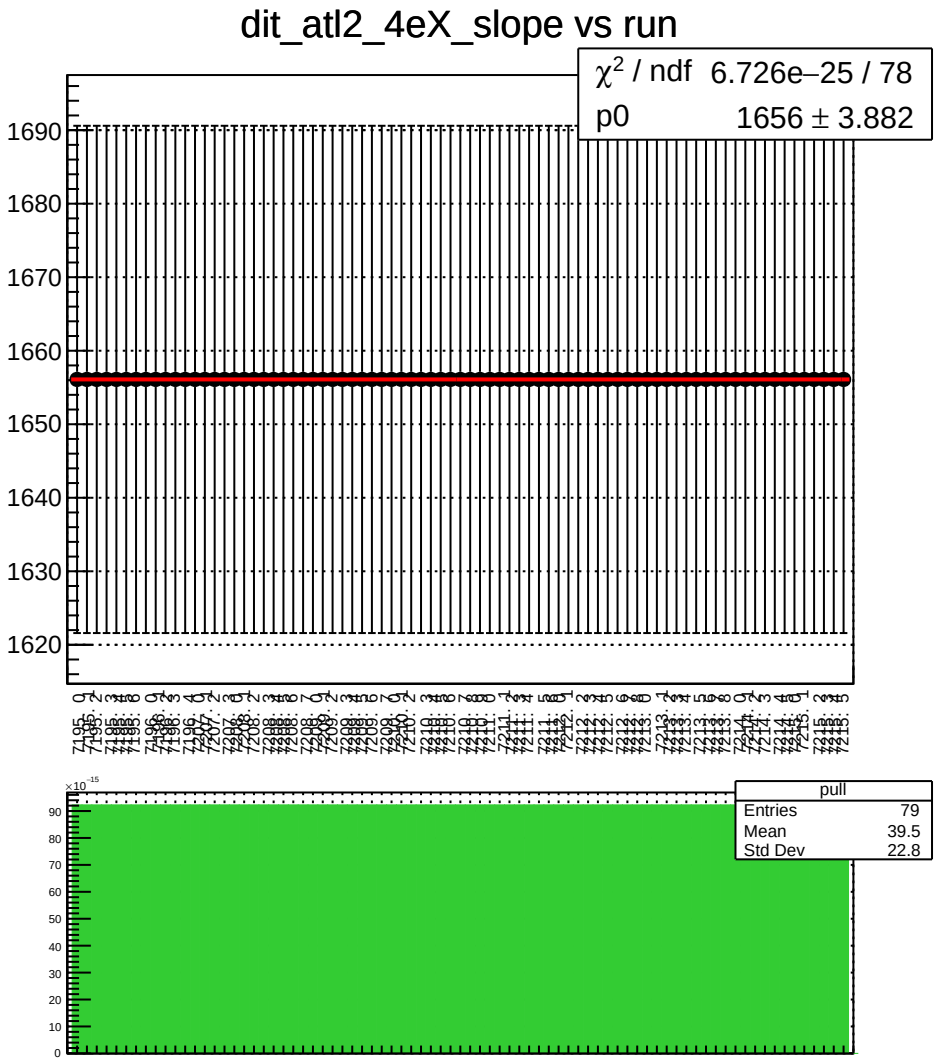

pull1D
Entries 79
Mean 1.6e−14
Std Dev 8.731e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

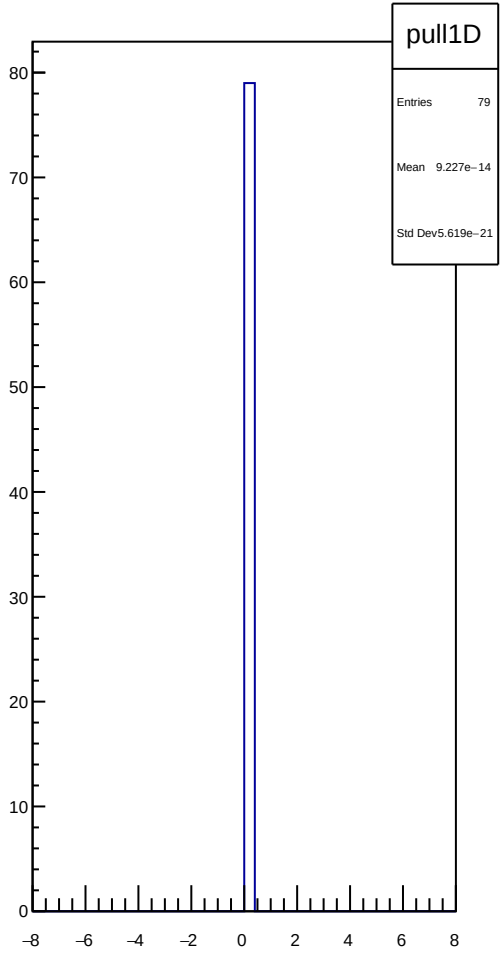

dit_atl1_4eY_slope vs run
χ² / ndf 2.256e−27 / 78
p0 −20.76 ± 0.0748
−20
−20.2
−20.4
−20.6
−20.8
−21
−21.2
−21.4
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
5
4
3
2
1
0

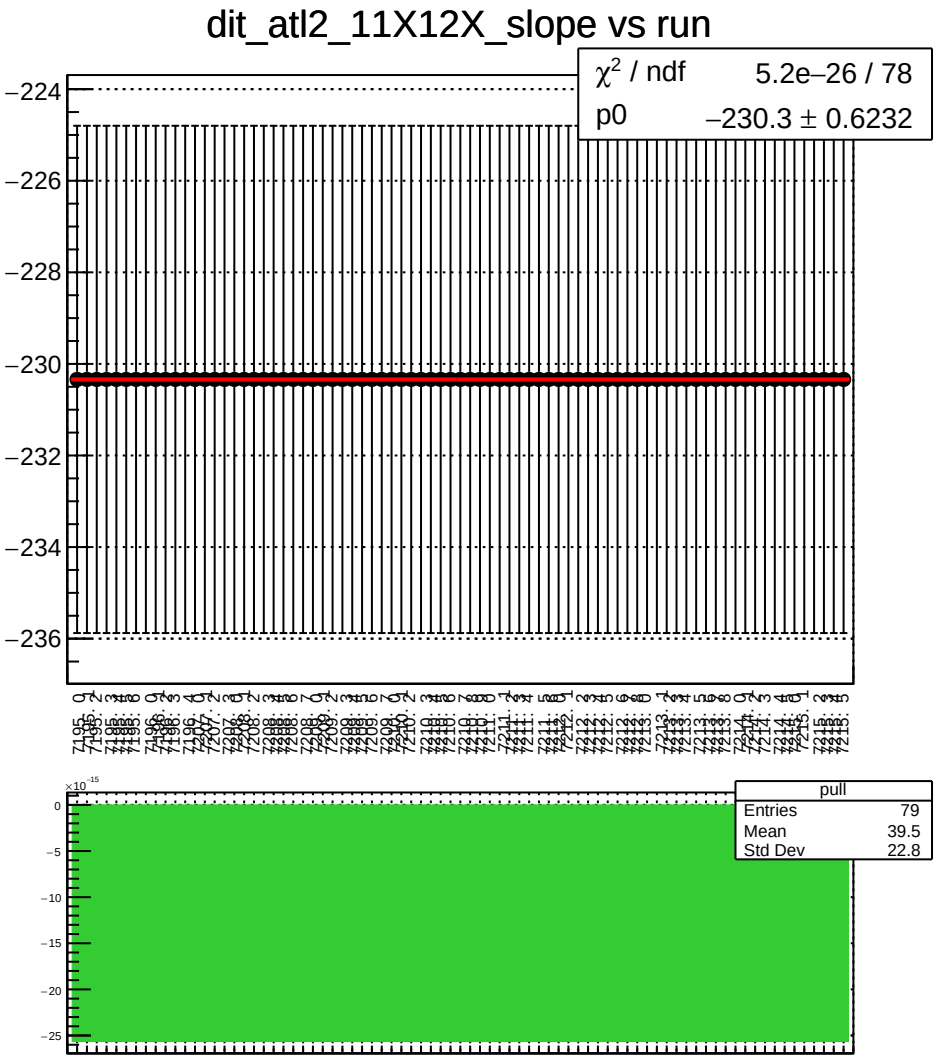

pull1D
Entries 79
Mean 5.344e−15
Std Dev 1.674e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

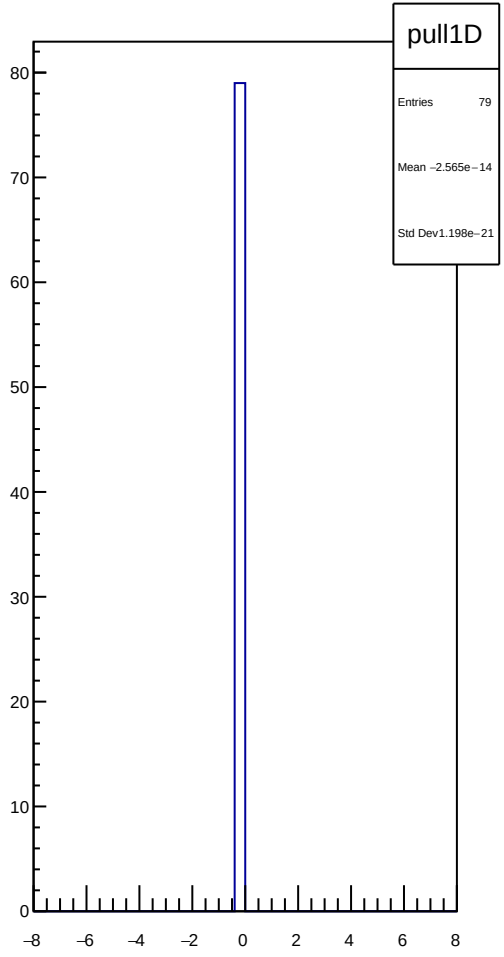

dit_atl2_4aX_slope vs run
χ^2 / ndf 6.292e−25 / 78
p0 −1576 ± 3.726
−1540
−1550
−1560
−1570
−1580
−1590
−1600
−1610
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80
−90


pull1D
Entries 79
Mean −8.925e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

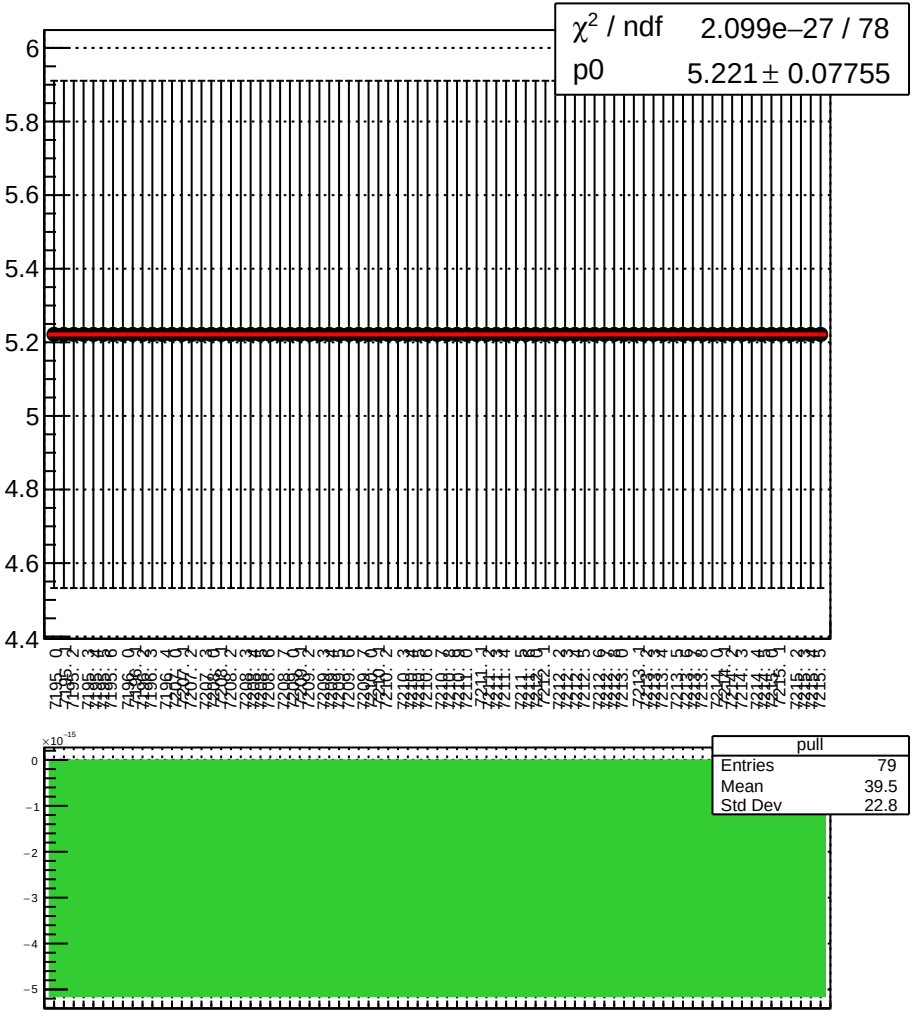

dit_atl2_4eX_slope vs run
χ^2 / ndf 6.726e−25 / 78
p0 1656 ± 3.882
1690
1680
1670
1660
1650
1640
1630
1620
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
90
80
70
60
50
40
30
20
10
0

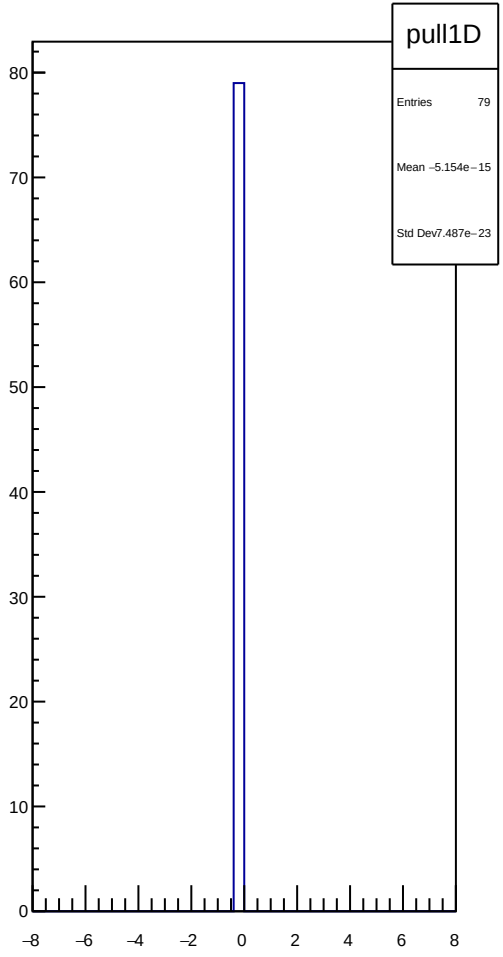

pull1D
Entries 79
Mean 9.227e−14
Std Dev 5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

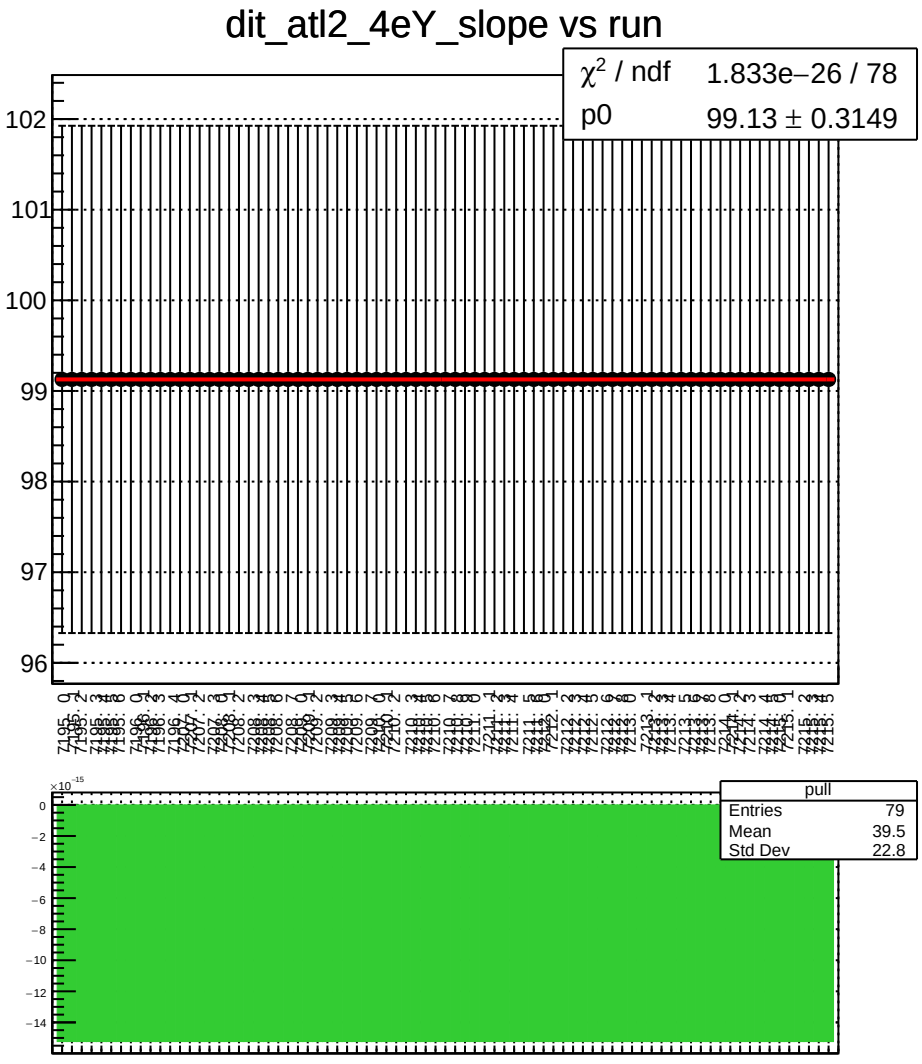

dit_atl2_11X12X_slope vs run
χ^2 / ndf 5.2e−26 / 78
p0 −230.3 ± 0.6232
−224
−226
−228
−230
−232
−234
−236
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−5
−10
−15
−20
−25

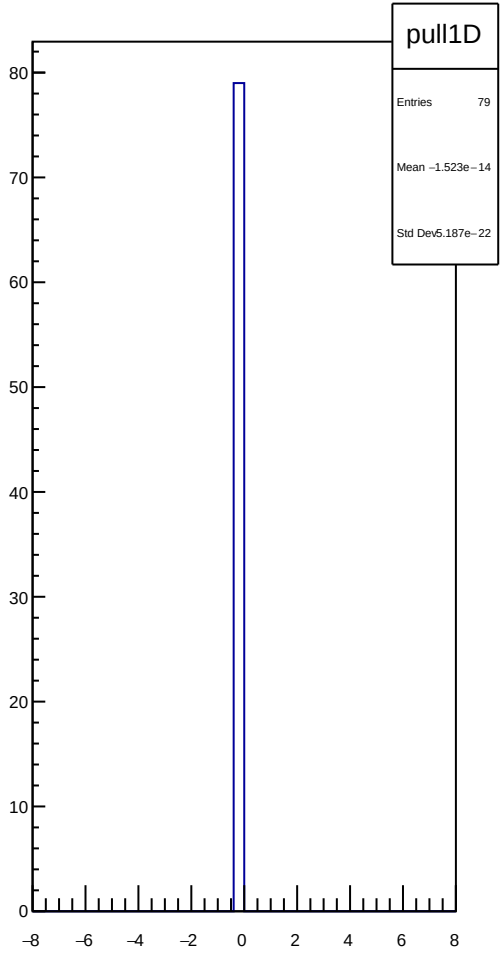

pull1D
Entries 79
Mean −2.565e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

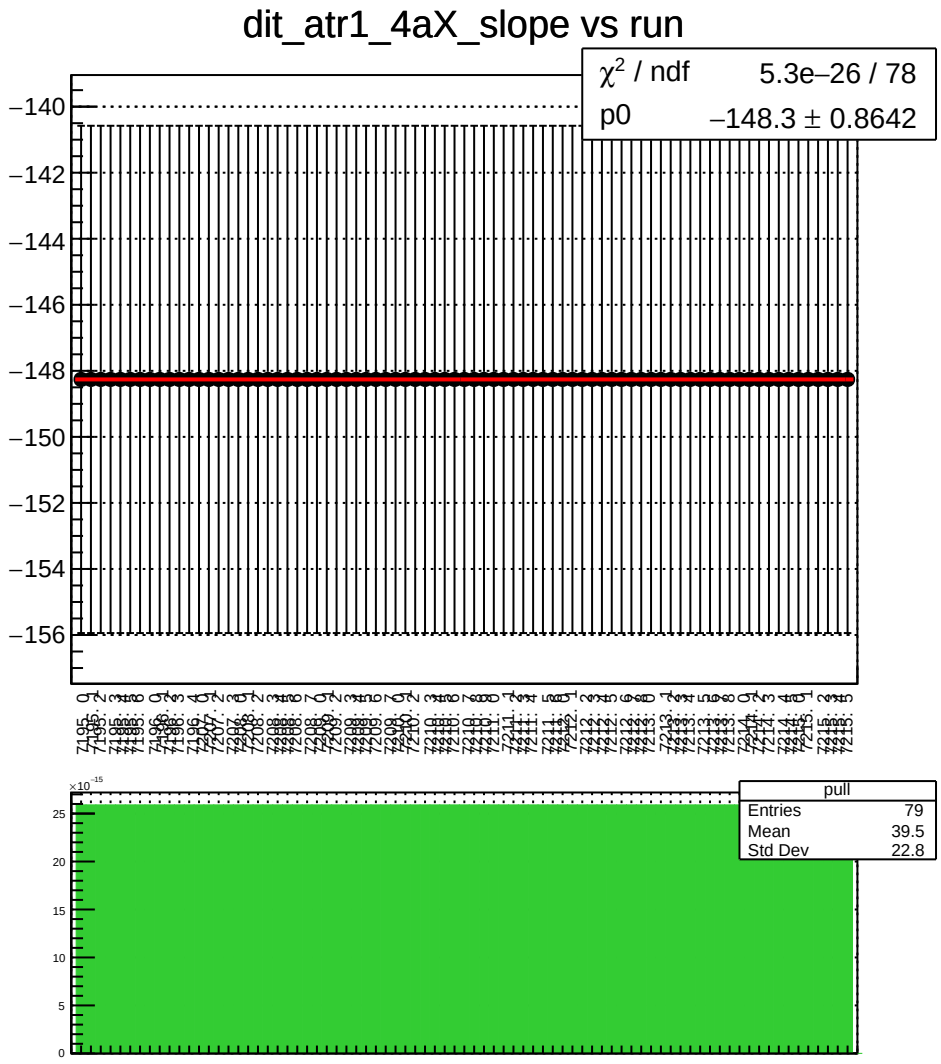
dit_atl2_4aY_slope vs run

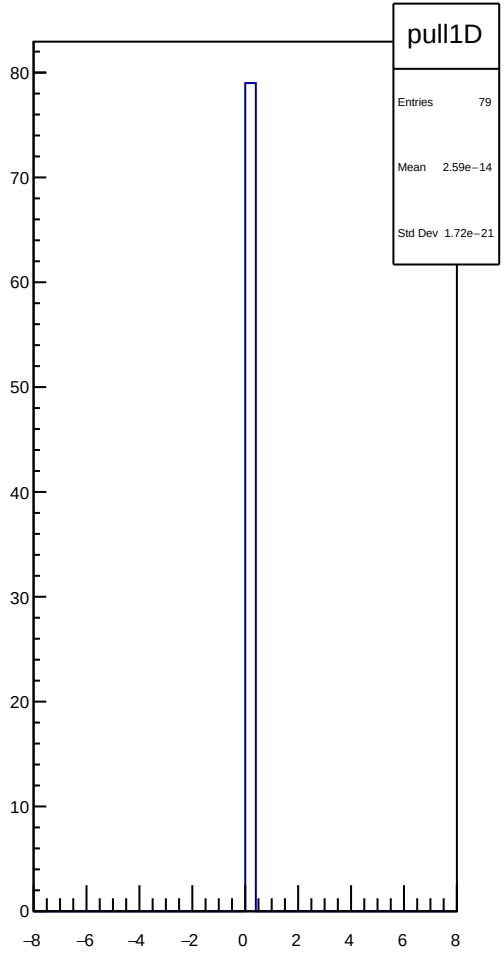


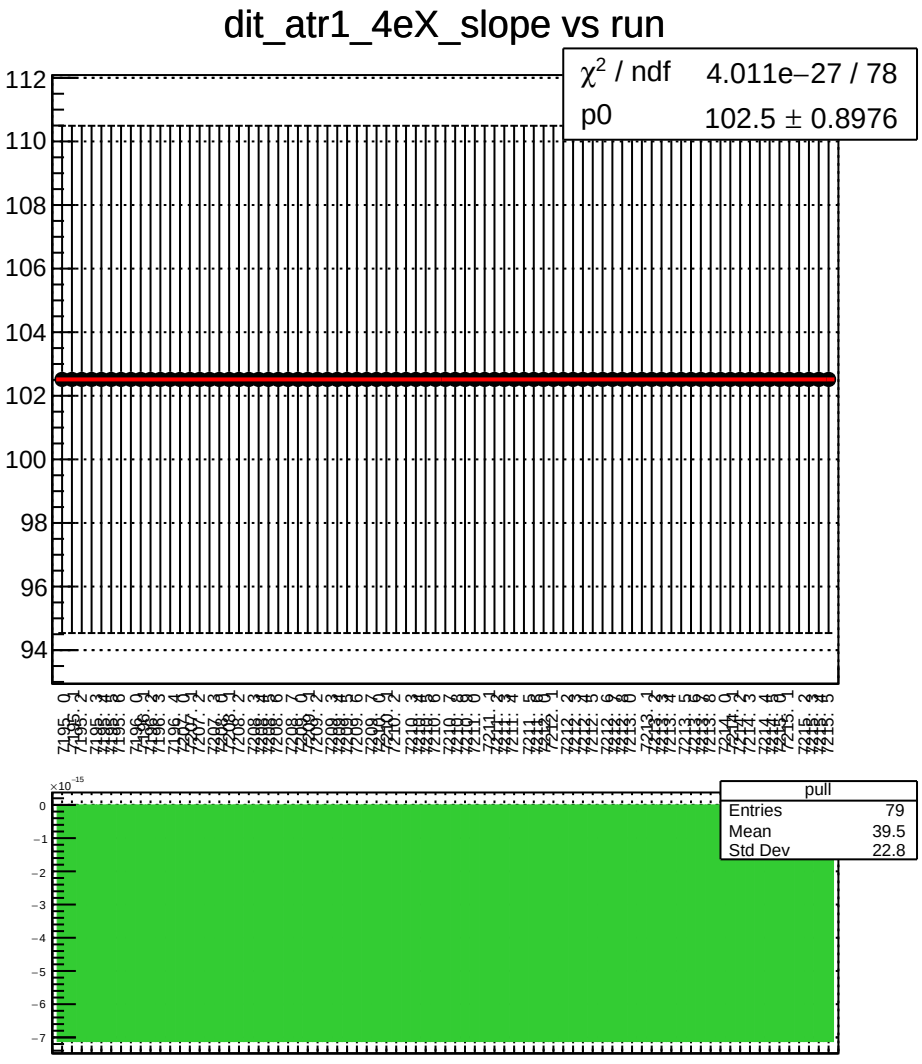


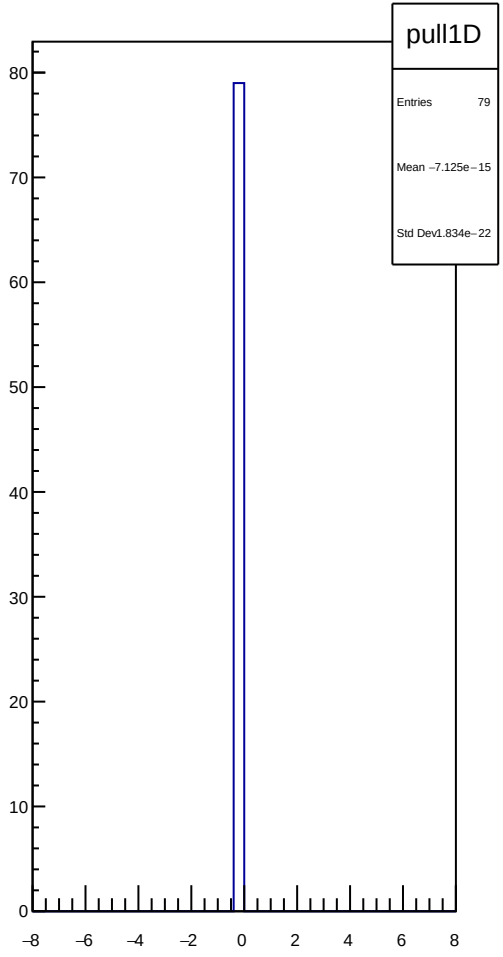

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.833e−26 / 78
p0 99.13 ± 0.3149
102
101
100
99
98
97
96
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−2
−4
−6
−8
−10
−12
−14

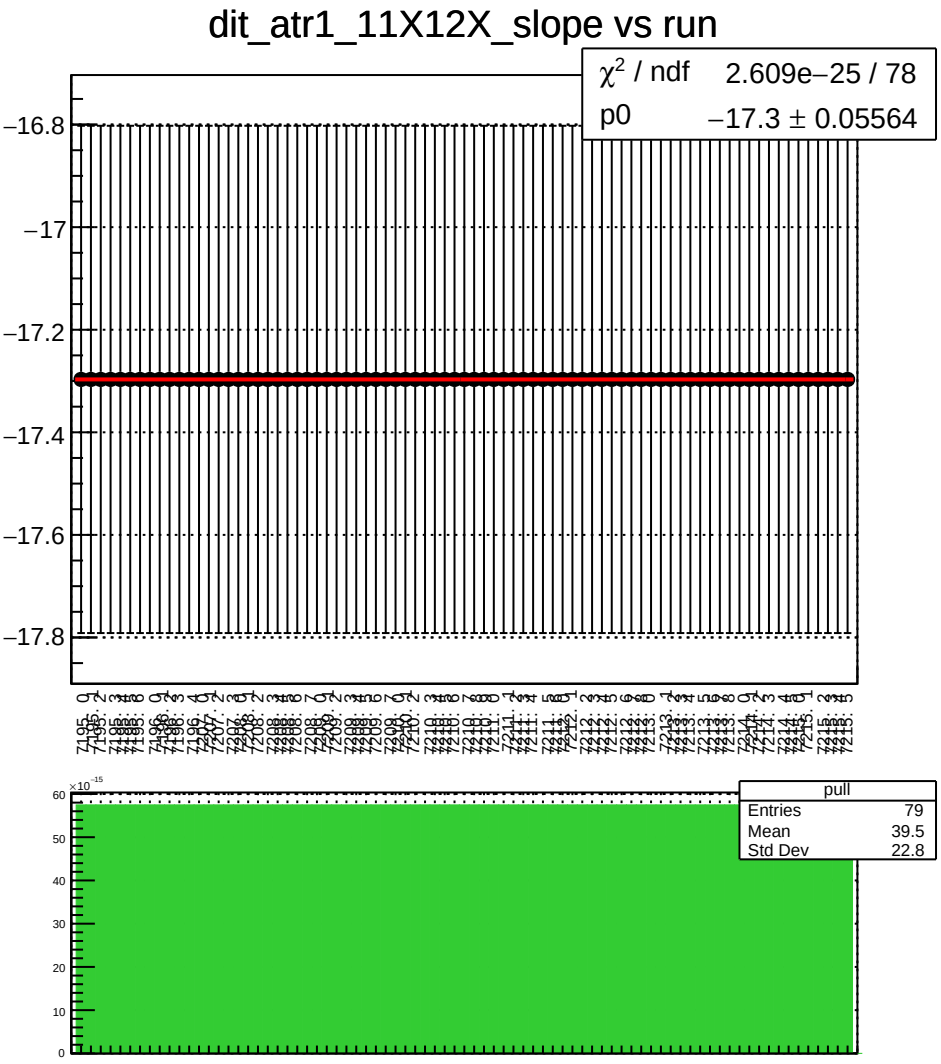

pull1D
Entries 79
Mean −1.523e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

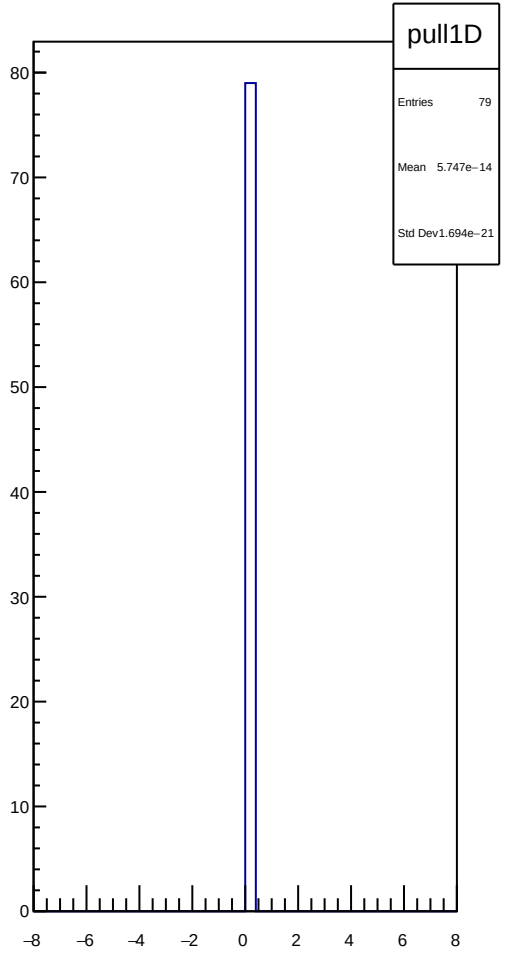

dit_atr1_4aX_slope vs run
χ^2 / ndf 5.3e−26 / 78
p0 −148.3 ± 0.8642
−140
−142
−144
−146
−148
−150
−152
−154
−156
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
25
20
15
10
5
0

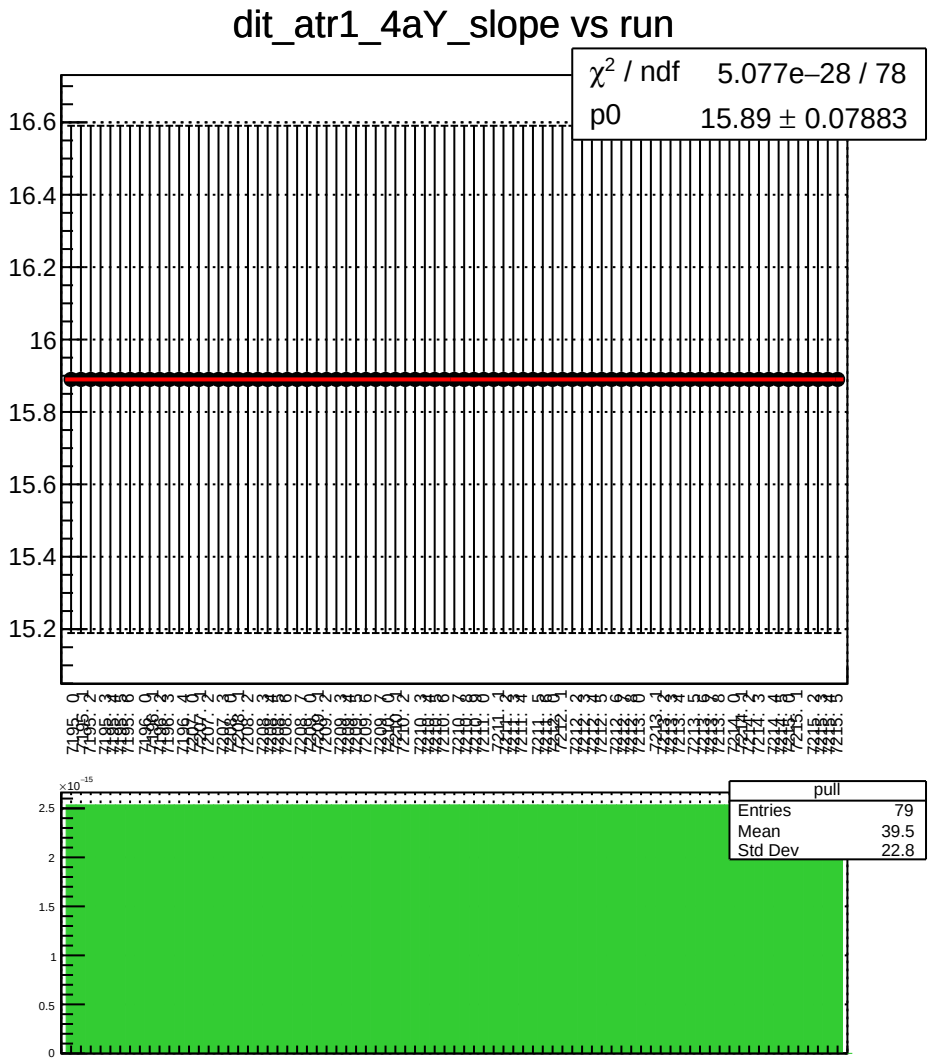

pull1D
Entries 79
Mean 2.59e−14
Std Dev 1.72e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

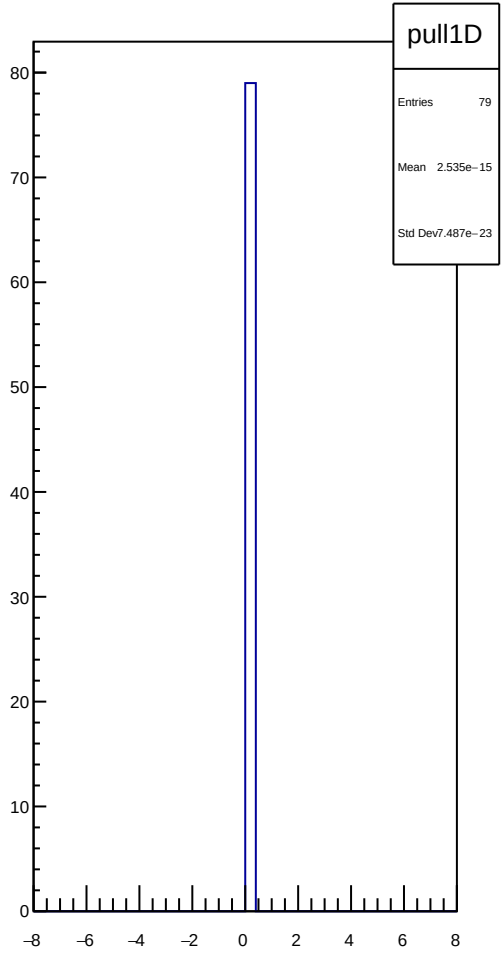

dit_atr1_4eX_slope vs run
χ^2 / ndf 4.011e−27 / 78
p0 102.5 ± 0.8976
pull
Entries 79
Mean 39.5
Std Dev 22.8

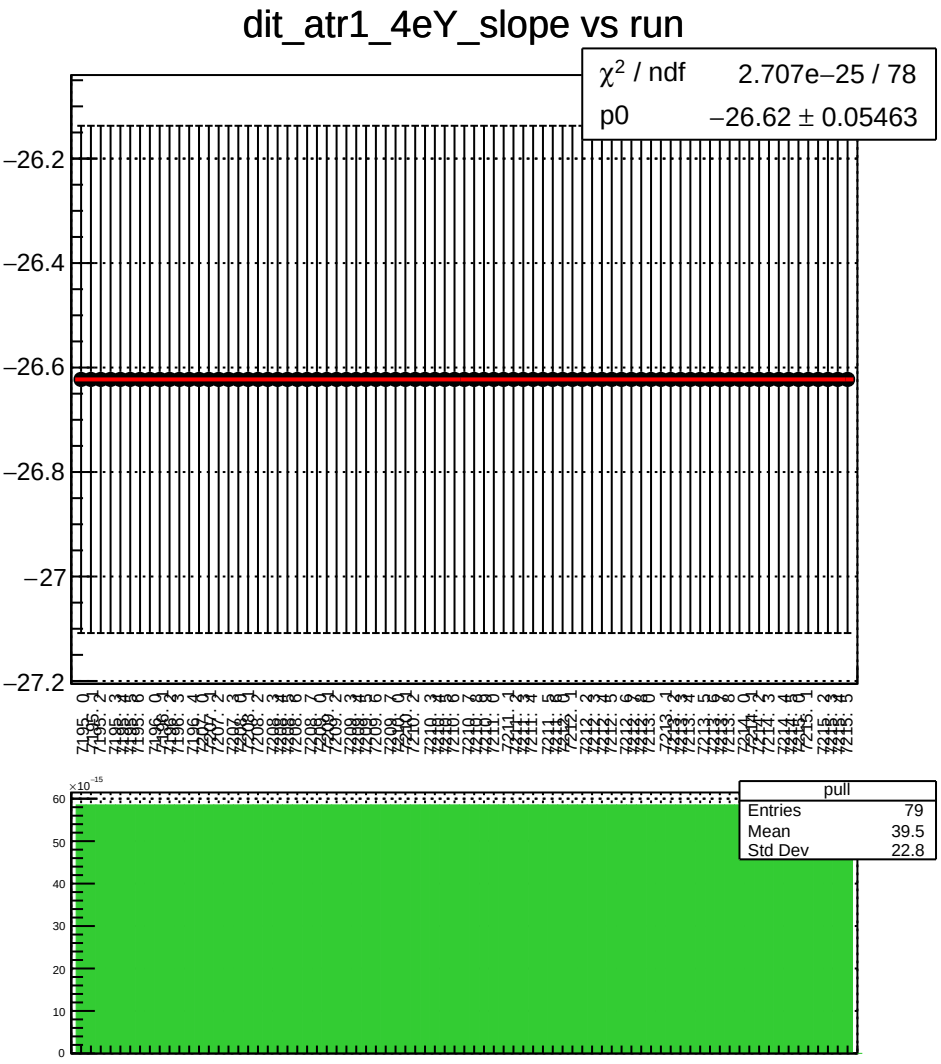

pull1D
Entries 79
Mean −7.125e−15
Std Dev1.834e−22

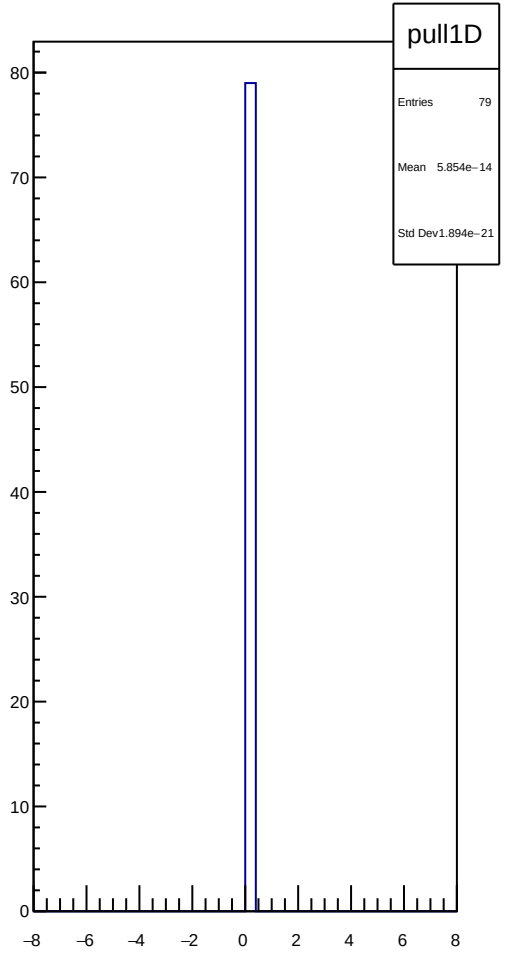

dit_atr1_11X12X_slope vs run
χ^2 / ndf 2.609e−25 / 78
p0 −17.3 ± 0.05564
−16.8
−17
−17.2
−17.4
−17.6
−17.8
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
60
50
40
30
20
10
0


pull1D
Entries 79
Mean 5.747e−14
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

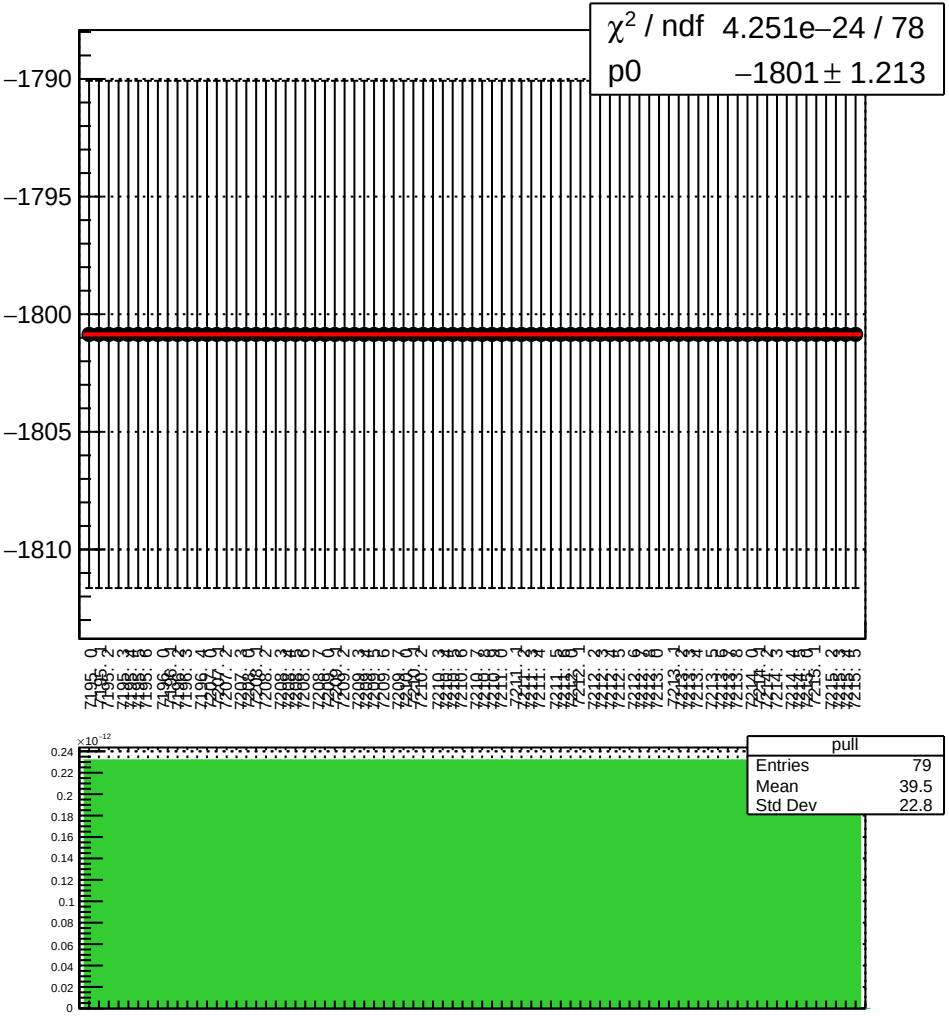

dit_atr1_4aY_slope vs run
χ^2 / ndf 5.077e−28 / 78
p0 15.89 ± 0.07883
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
2.5
2
1.5
1
0.5
0

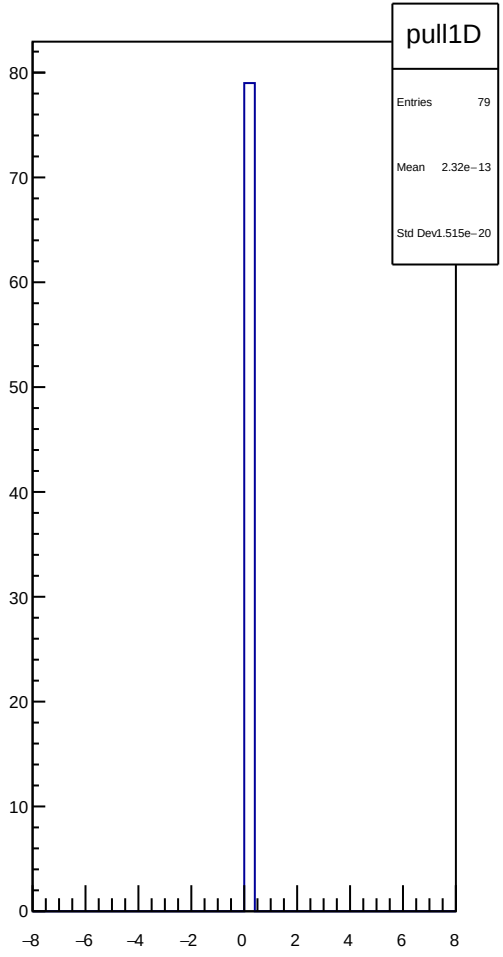

pull1D
Entries 79
Mean 2.535e−15
Std Dev 7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

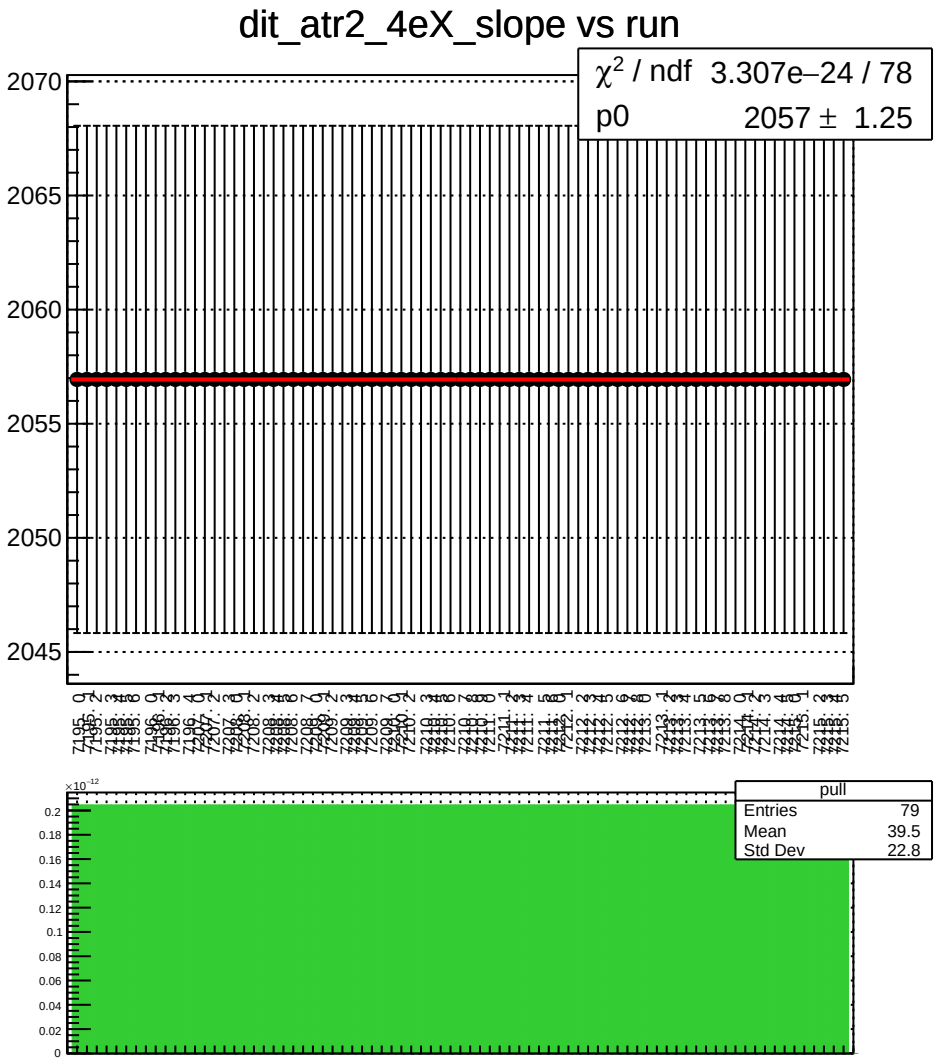

dit_atr1_4eY_slope vs run
χ^2 / ndf 2.707e−25 / 78
p0 −26.62 ± 0.05463
−26.2
−26.4
−26.6
−26.8
−27
−27.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
60
50
40
30
20
10
0

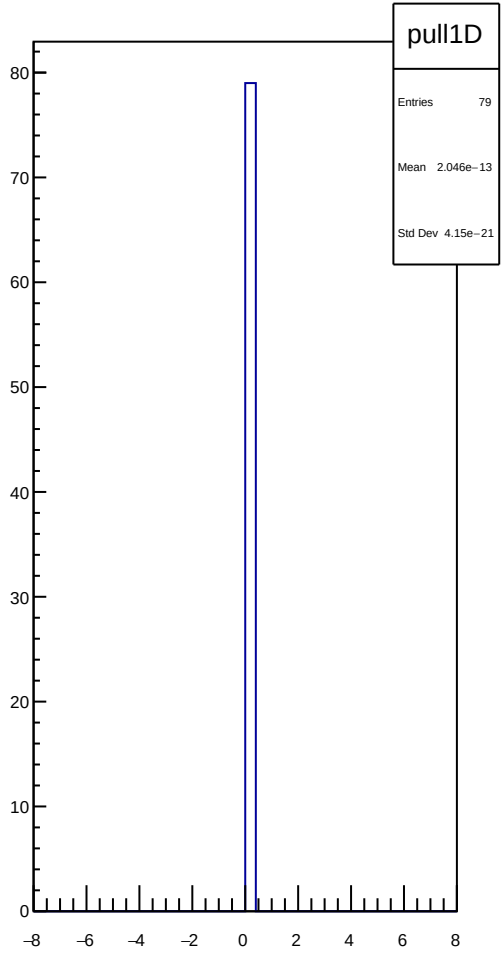

pull1D
Entries 79
Mean 5.854e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

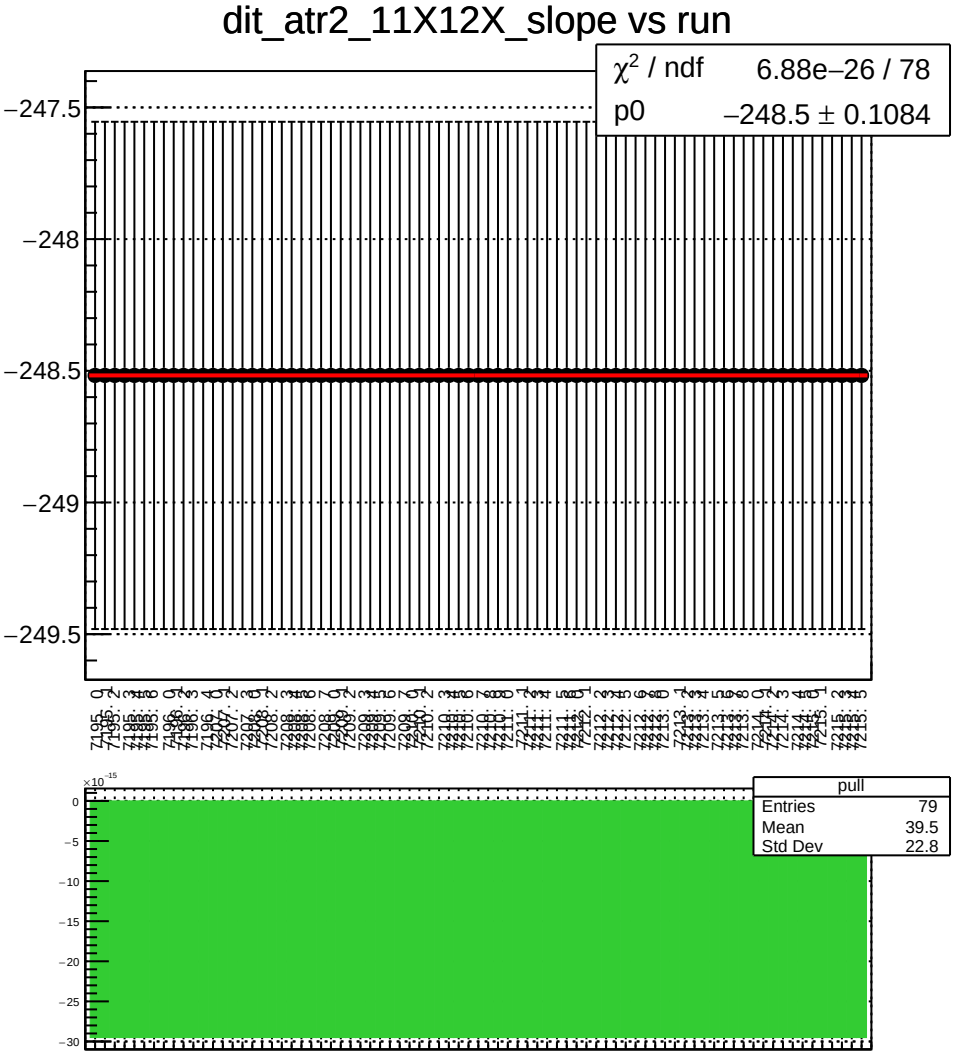
dit_atr2_4aX_slope vs run

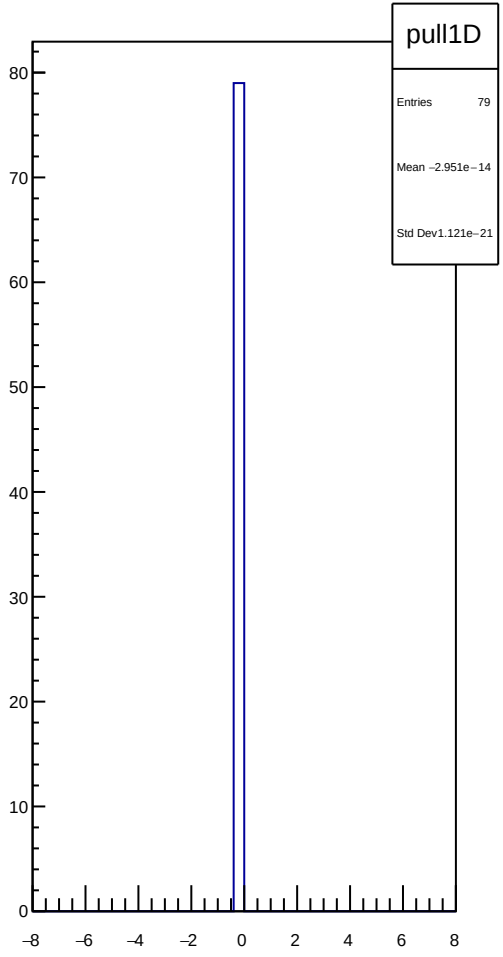


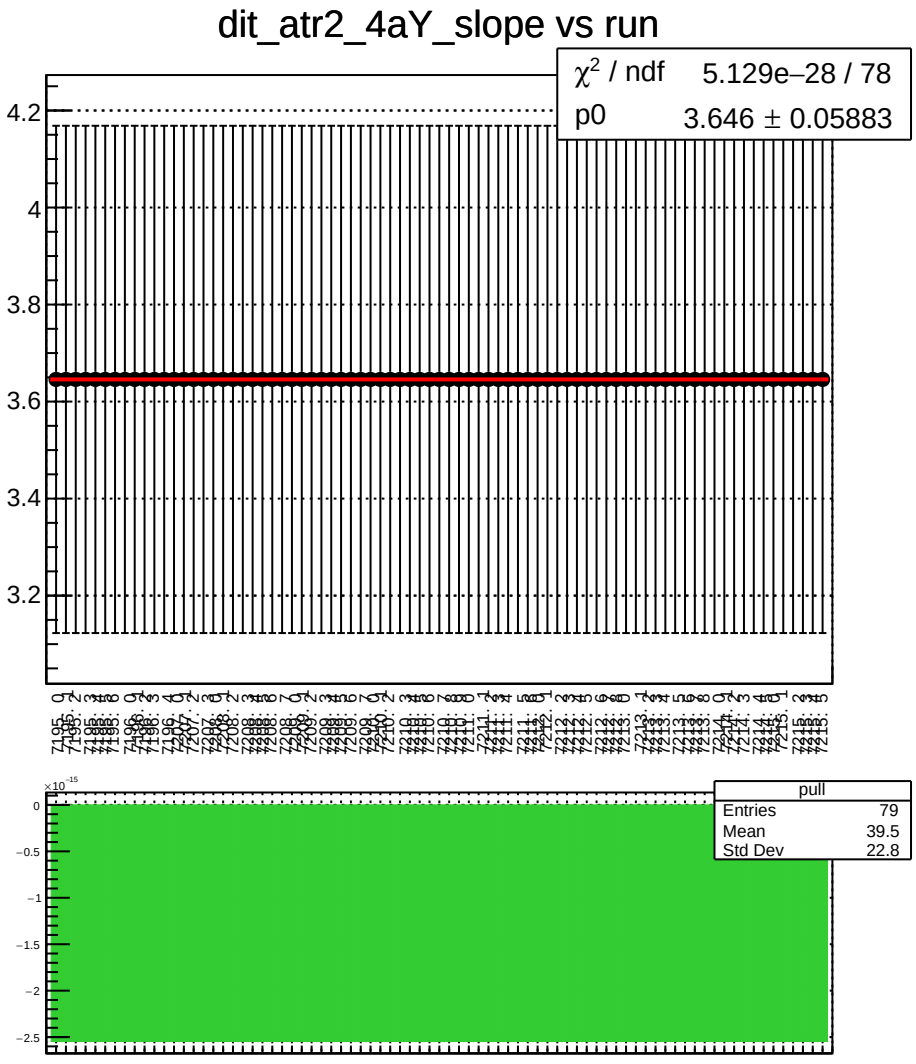


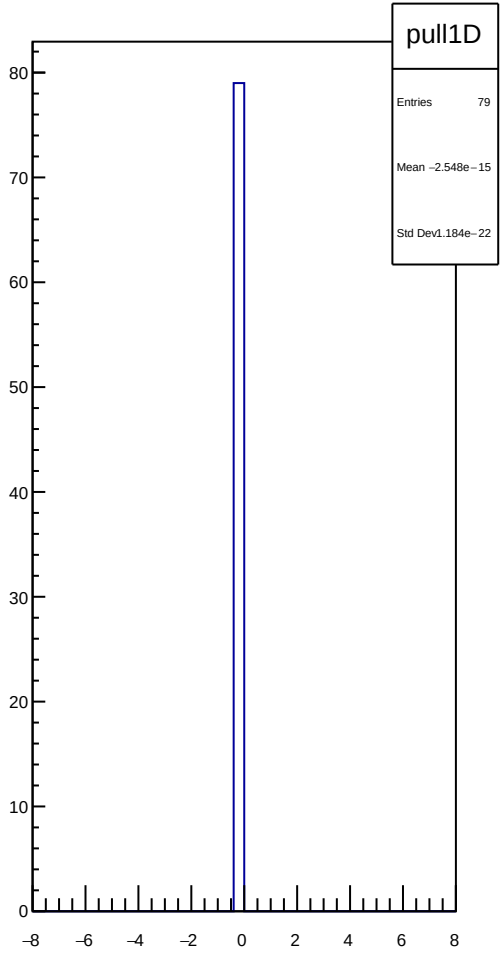

dit_atr2_4eX_slope vs run
χ^2 / ndf 3.307e−24 / 78
p0 2057 ± 1.25
2070
2065
2060
2055
2050
2045
pull
Entries 79
Mean 39.5
Std Dev 22.8
$\times 10^{-12}$
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

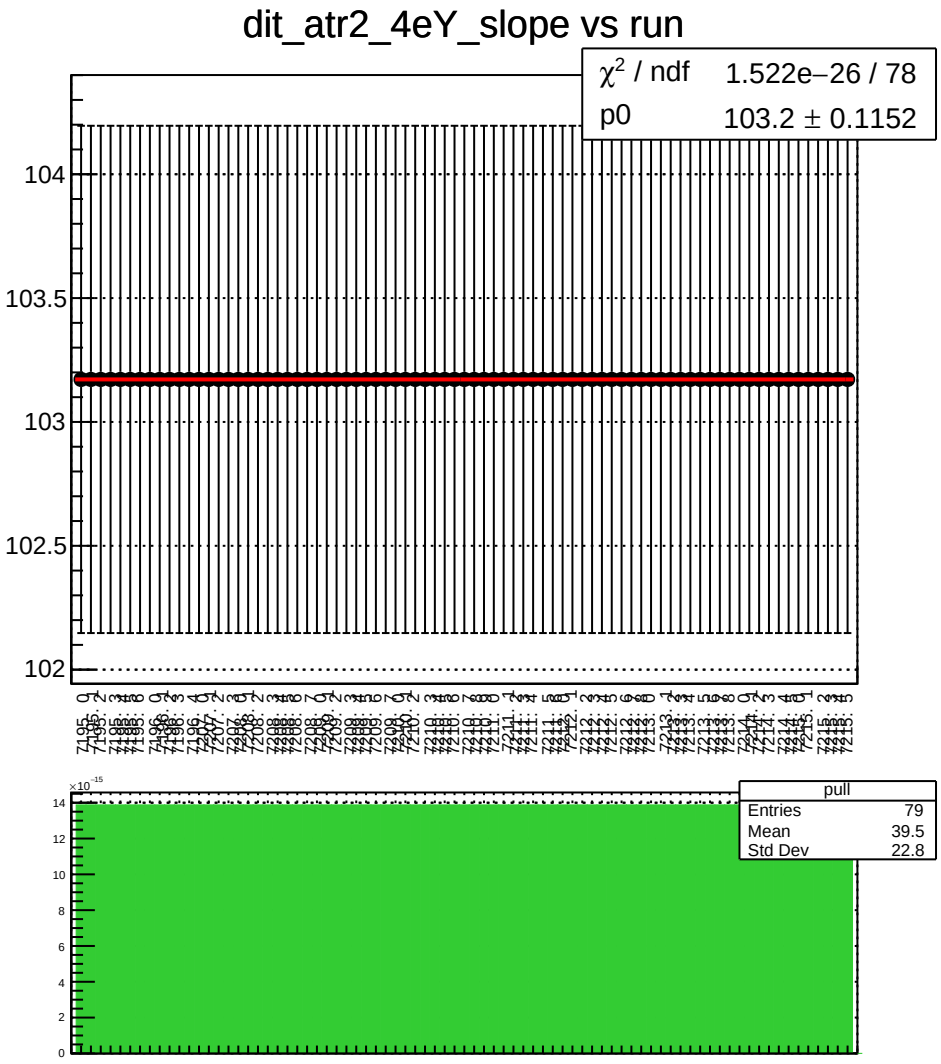

pull1D
Entries 79
Mean 2.046e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

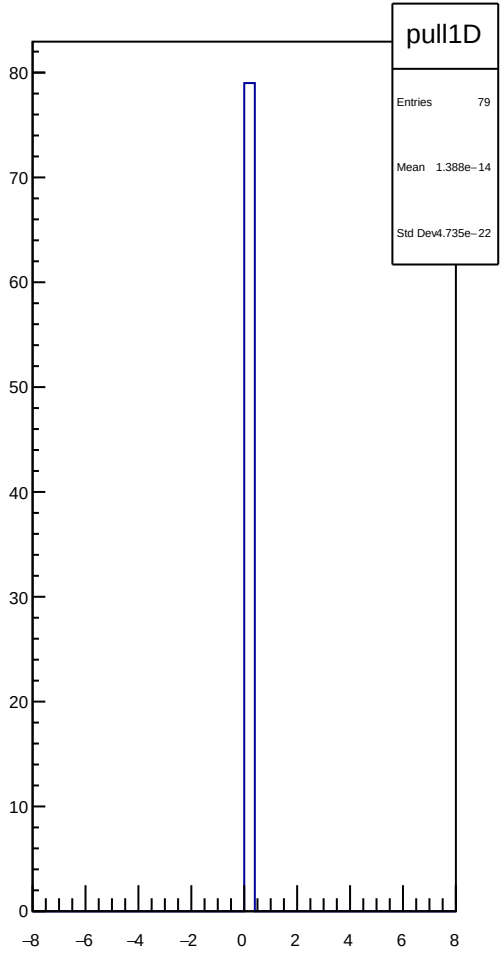

dit_atr2_11X12X_slope vs run
χ^2 / ndf 6.88e−26 / 78
p0 −248.5 ± 0.1084
−247.5
−248
−248.5
−249
−249.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−5
−10
−15
−20
−25
−30

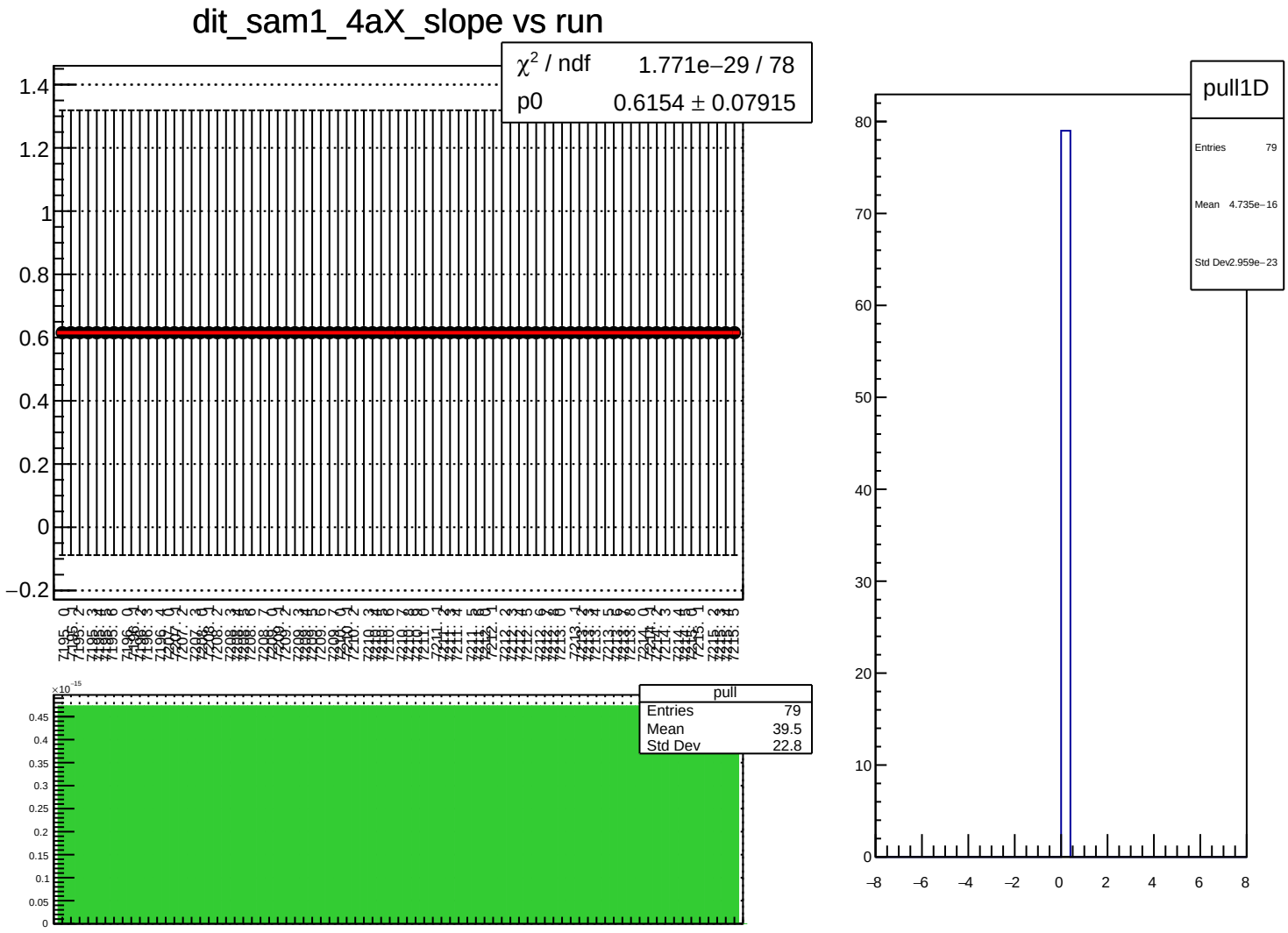

pull1D
Entries 79
Mean −2.951e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_4aY_slope vs run
χ^2 / ndf 5.129e−28 / 78
p0 3.646 ± 0.05883
4.2
4
3.8
3.6
3.4
3.2
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−0.5
−1
−1.5
−2
−2.5

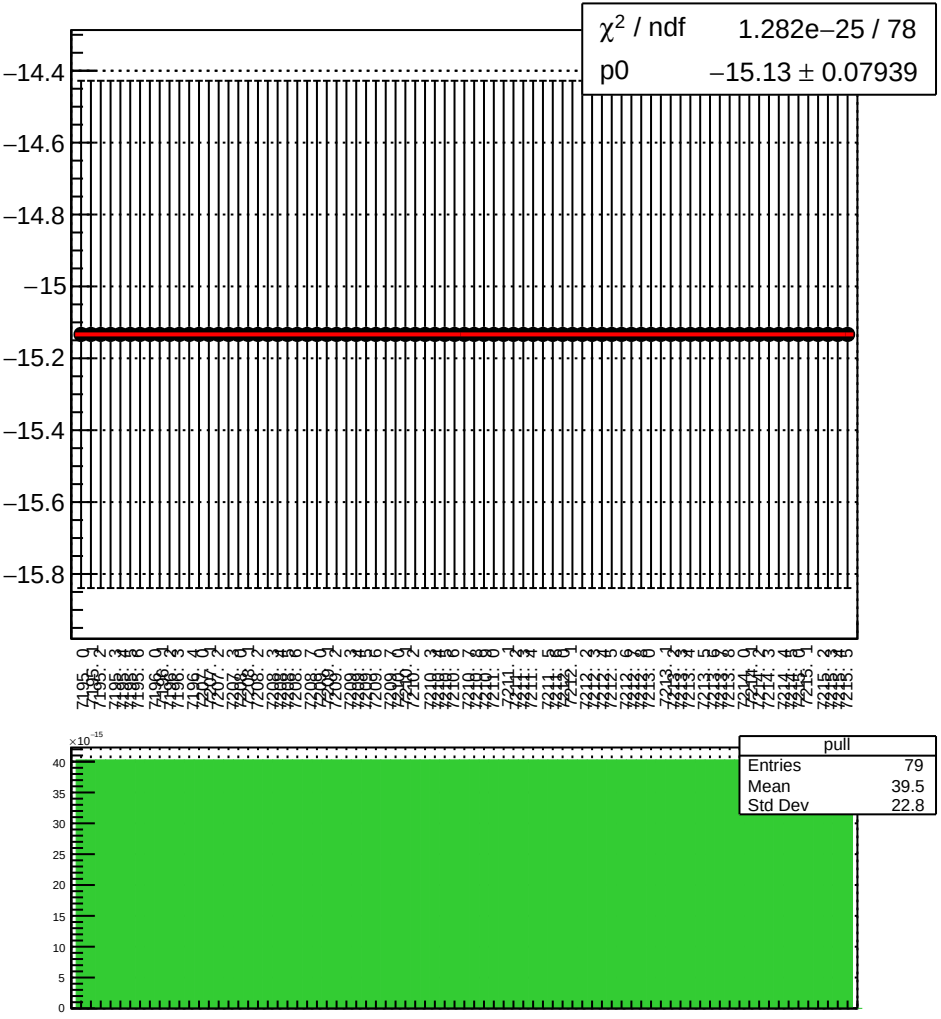

pull1D
Entries 79
Mean −2.548e−15
Std Dev1.184e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

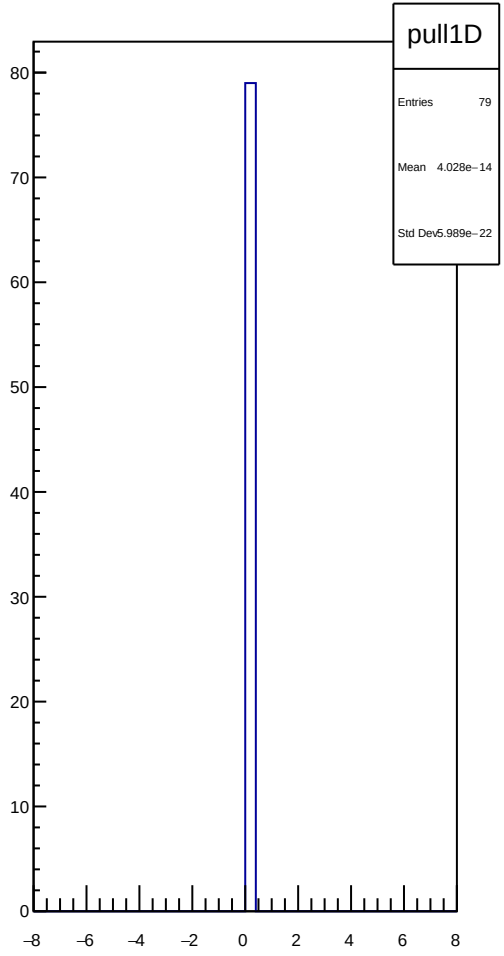

dit_atr2_4eY_slope vs run
χ^2 / ndf 1.522e−26 / 78
p0 103.2 ± 0.1152
104
103.5
103
102.5
102
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^-15
14
12
10
8
6
4
2
0


pull1D
Entries 79
Mean 1.388e−14
Std Dev4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

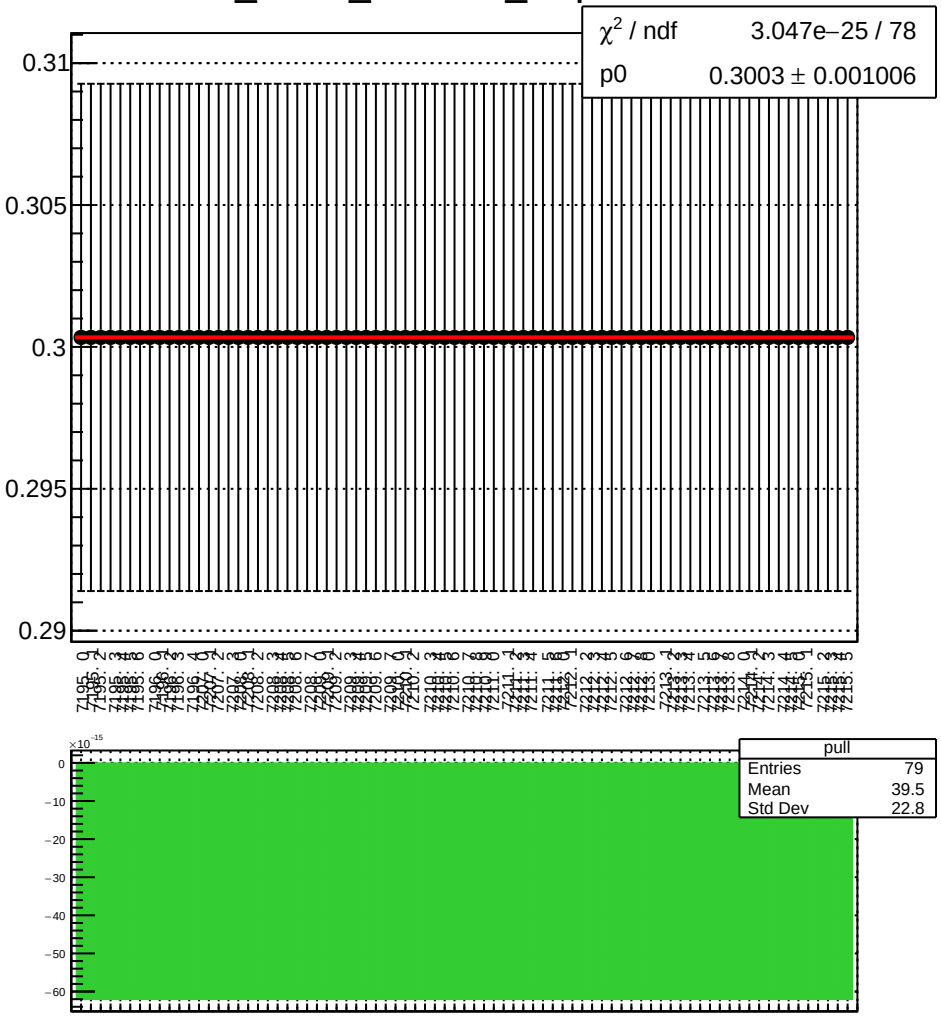

dit_sam1_4aX_slope vs run
χ² / ndf 1.771e−29 / 78
p0 0.6154 ± 0.07915
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 4.735e−16
Std Dev 2.959e−23

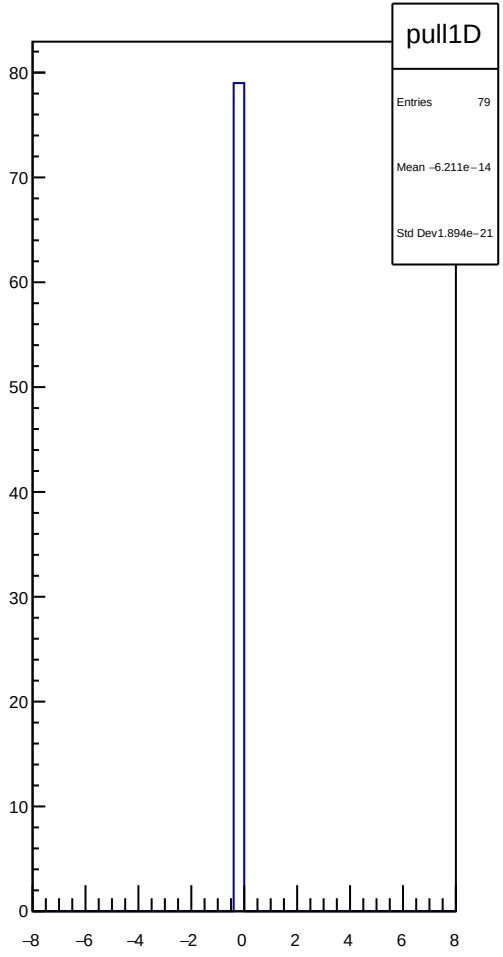
dit_sam1_4eX_slope vs run

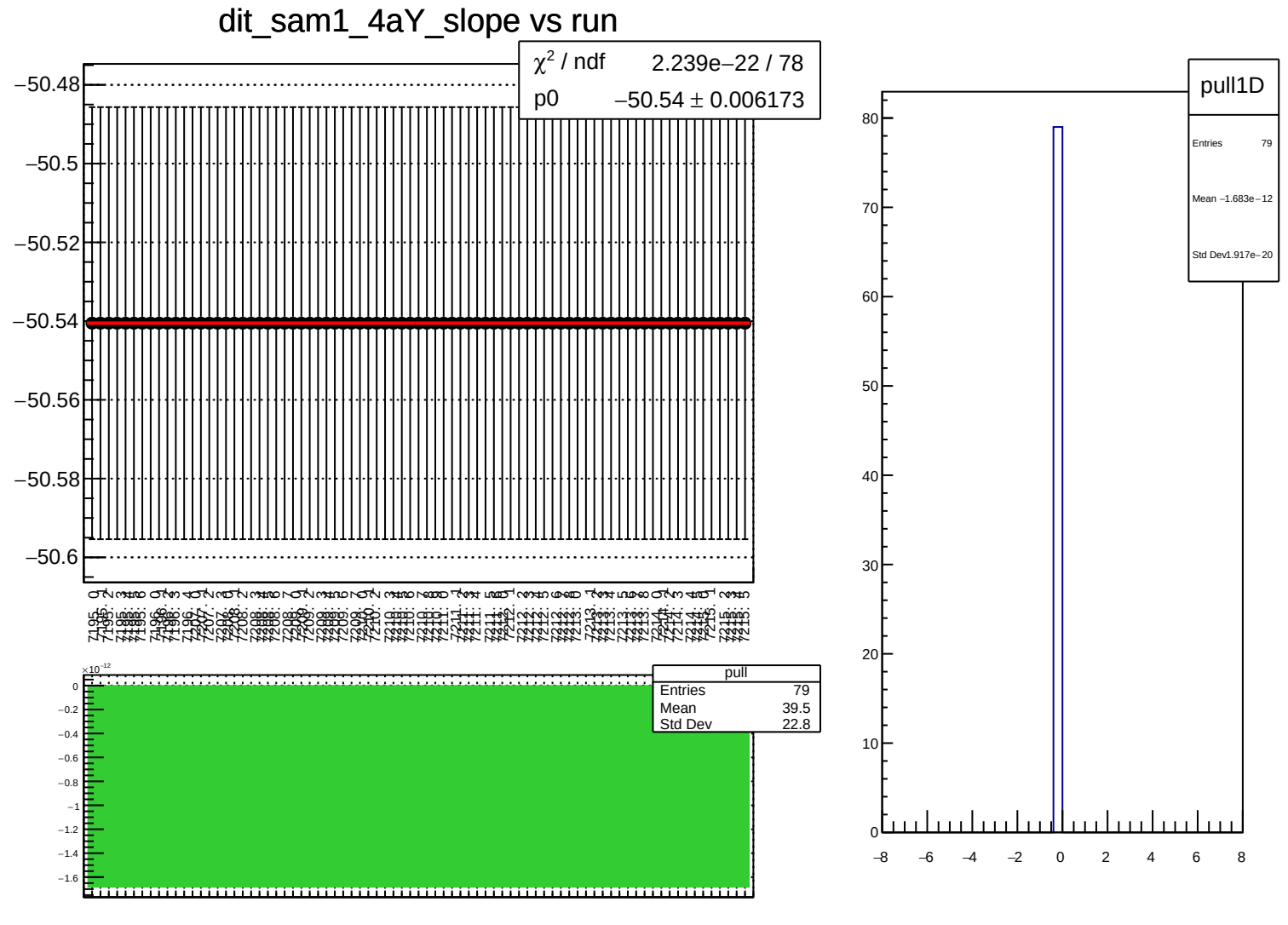


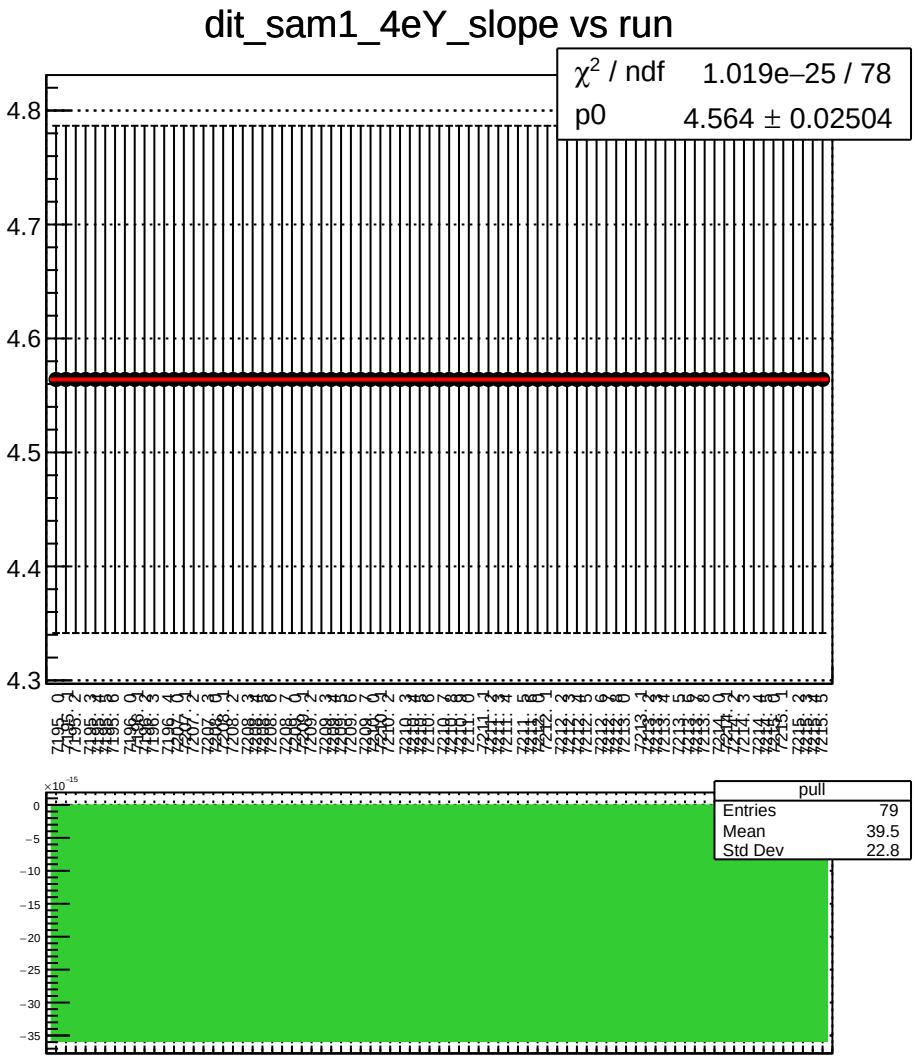


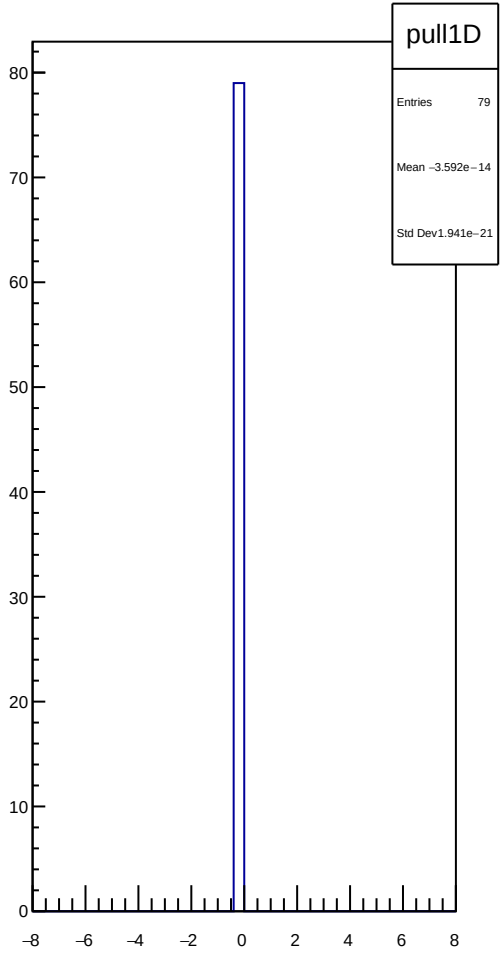
dit_sam1_11X12X_slope vs run



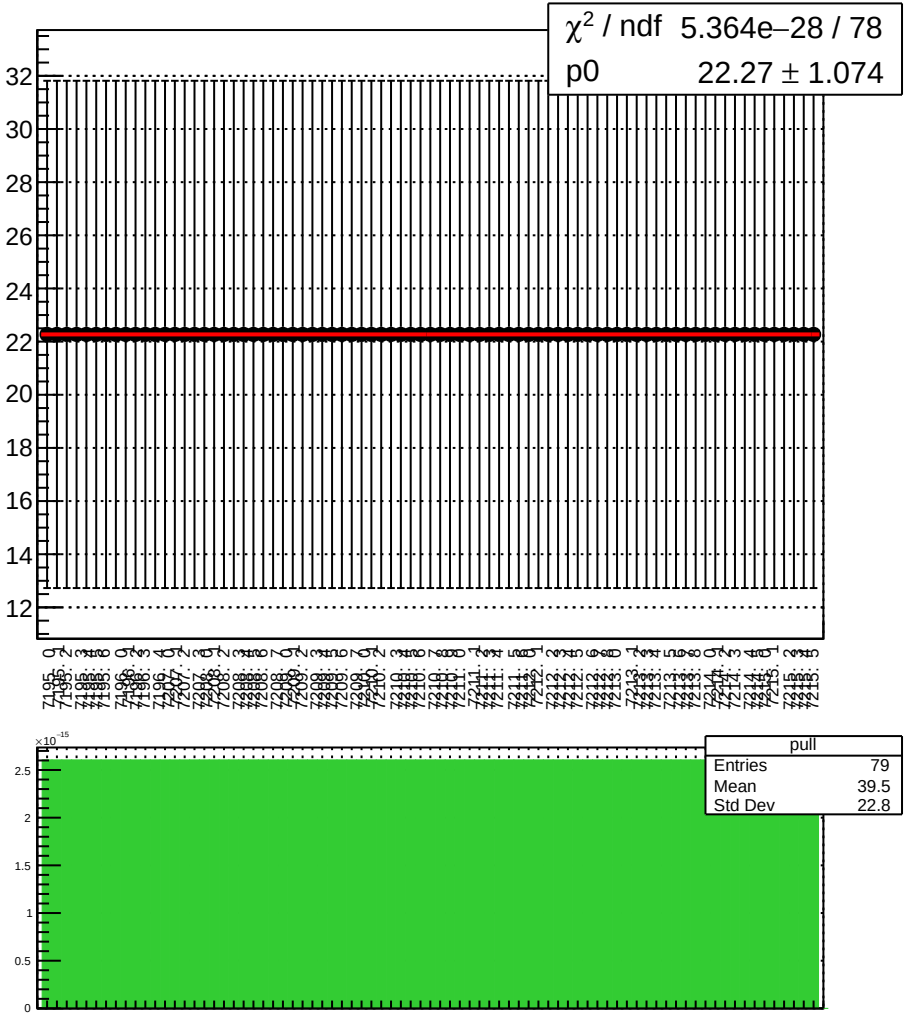


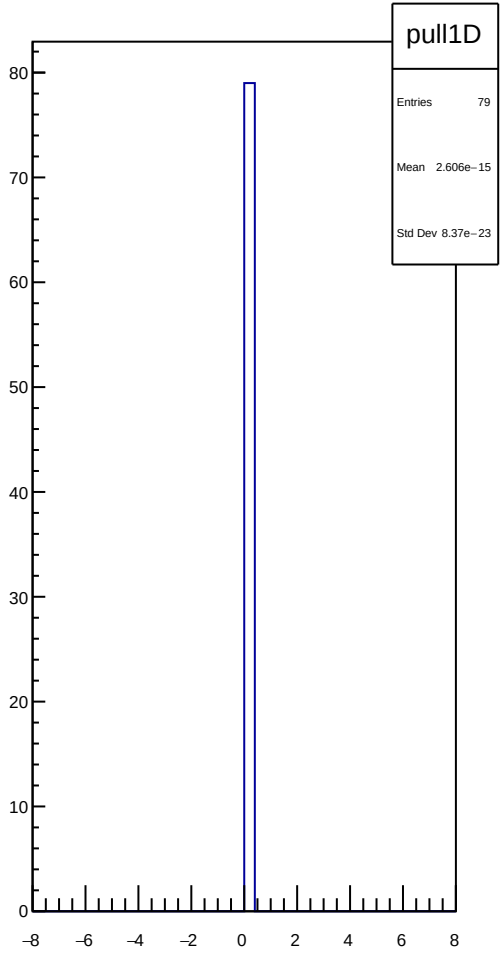

dit_sam1_4aY_slope vs run
χ^2 / ndf 2.239e−22 / 78
p0 −50.54 ± 0.006173
−50.48
−50.5
−50.52
−50.54
−50.56
−50.58
−50.6
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−12
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 79
Mean −1.683e−12
Std Dev 1.917e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

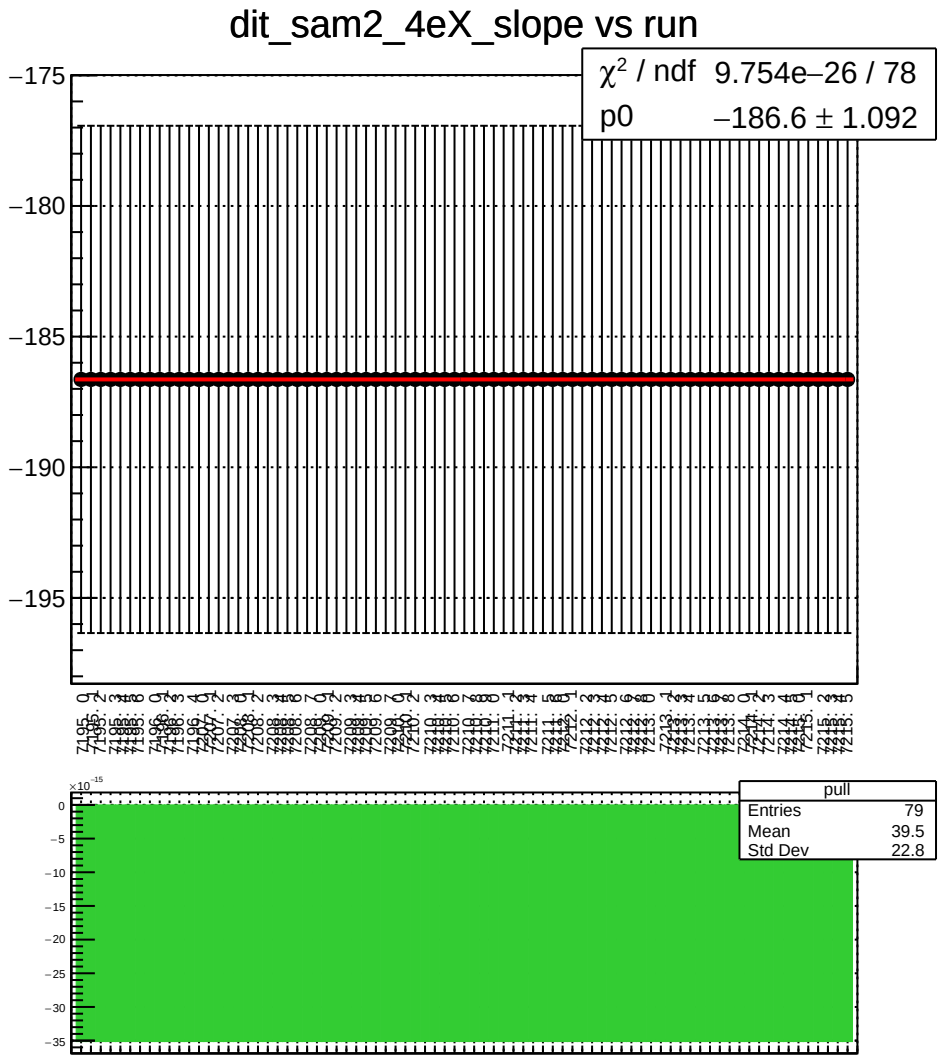

dit_sam1_4eY_slope vs run
χ^2 / ndf 1.019e−25 / 78
p0 4.564 ± 0.02504
pull
Entries 79
Mean 39.5
Std Dev 22.8

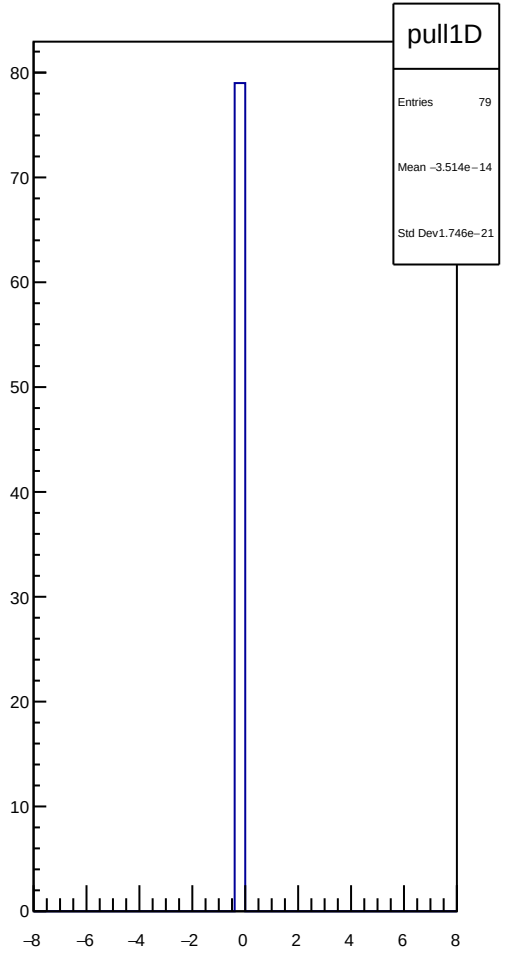

pull1D
Entries 79
Mean −3.592e−14
Std Dev 1.941e−21

dit_sam2_4aX_slope vs run

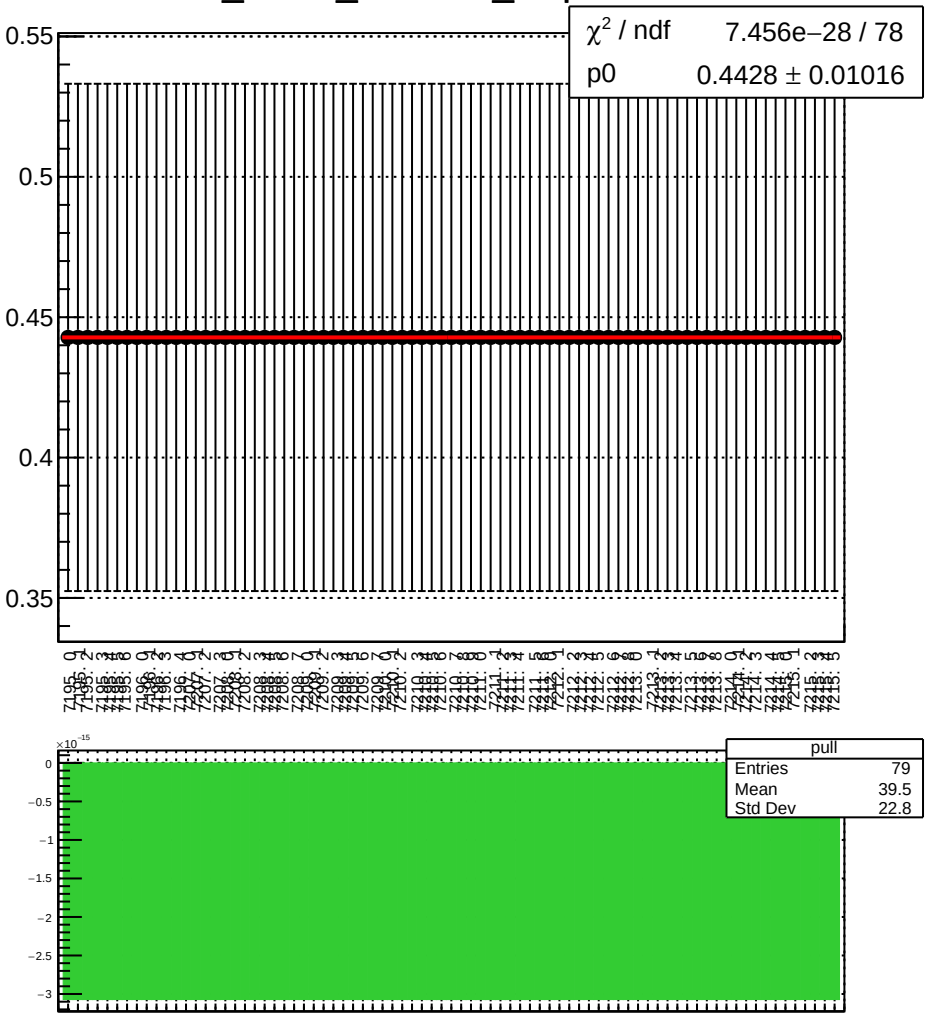


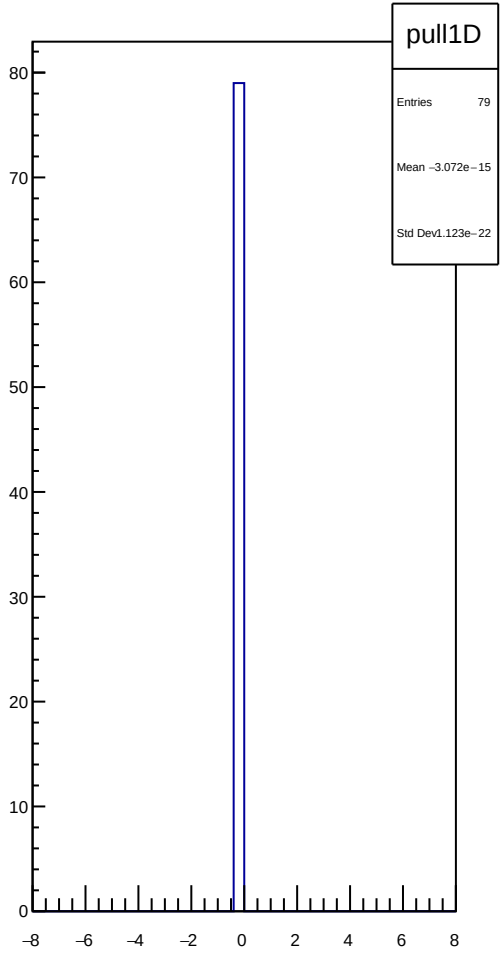


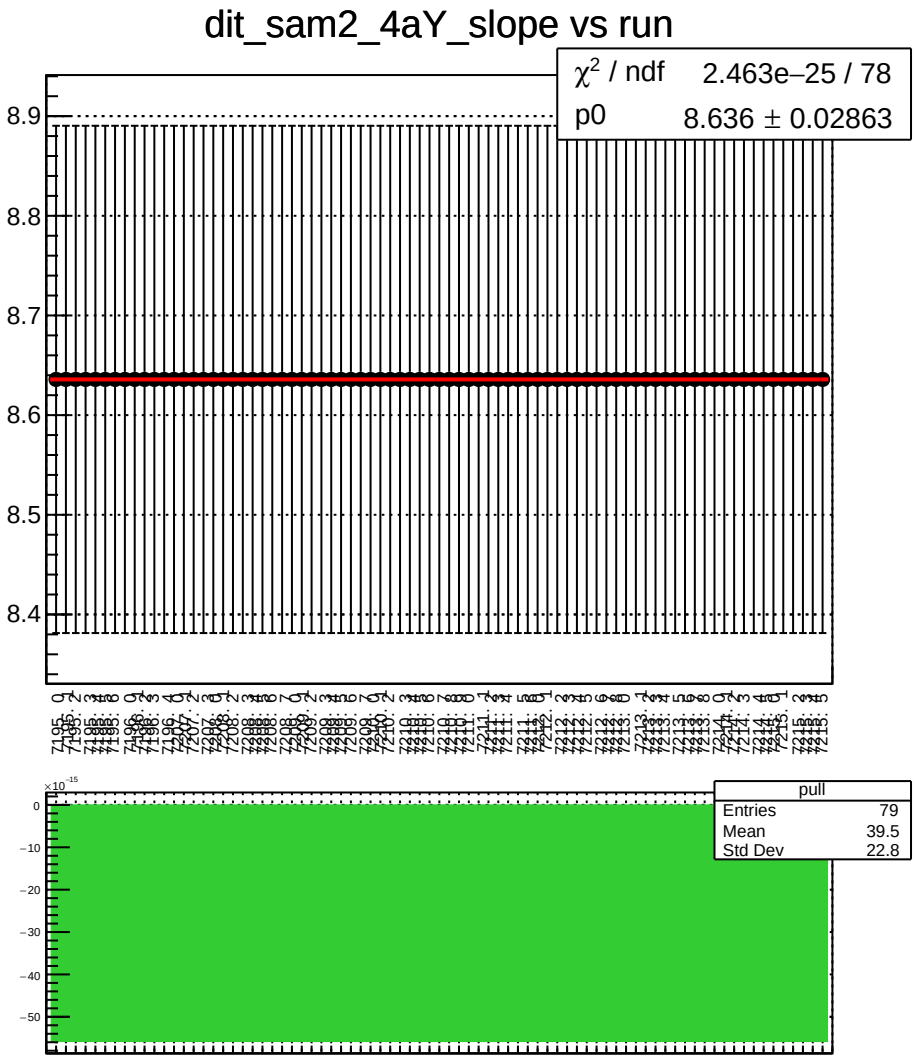

dit_sam2_4eX_slope vs run
χ² / ndf 9.754e−26 / 78
p0 −186.6 ± 1.092
−175
−180
−185
−190
−195
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

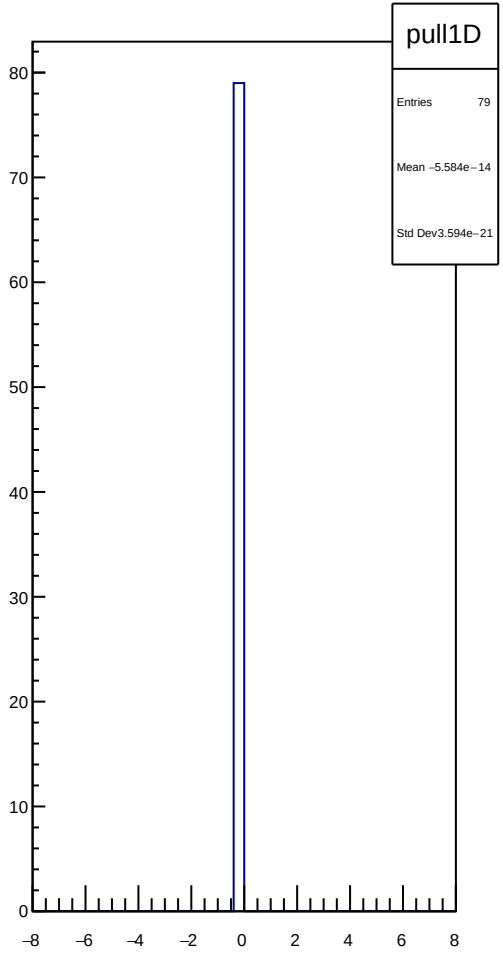

pull1D
Entries 79
Mean −3.514e−14
Std Dev 1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

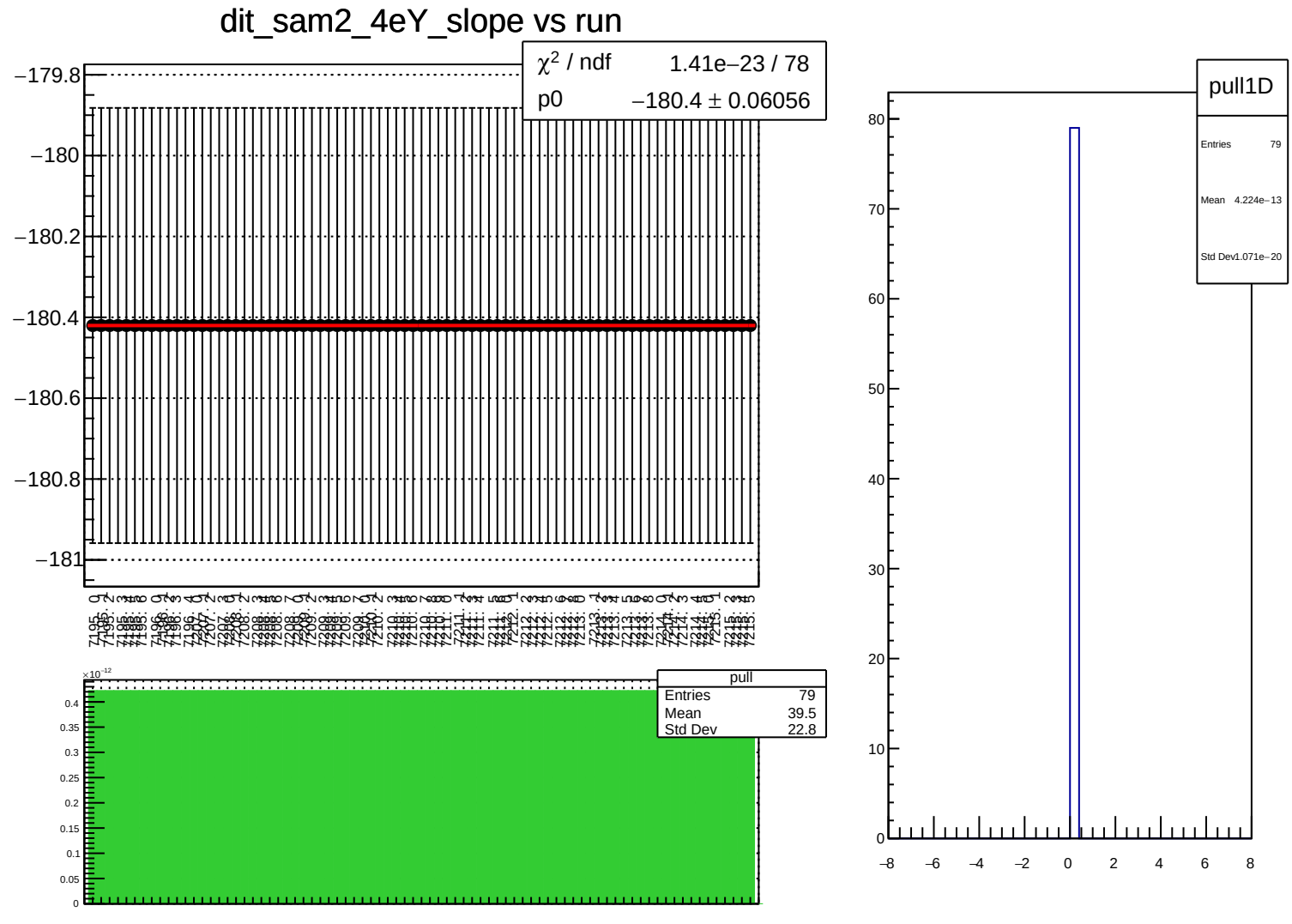
dit_sam2_11X12X_slope vs run

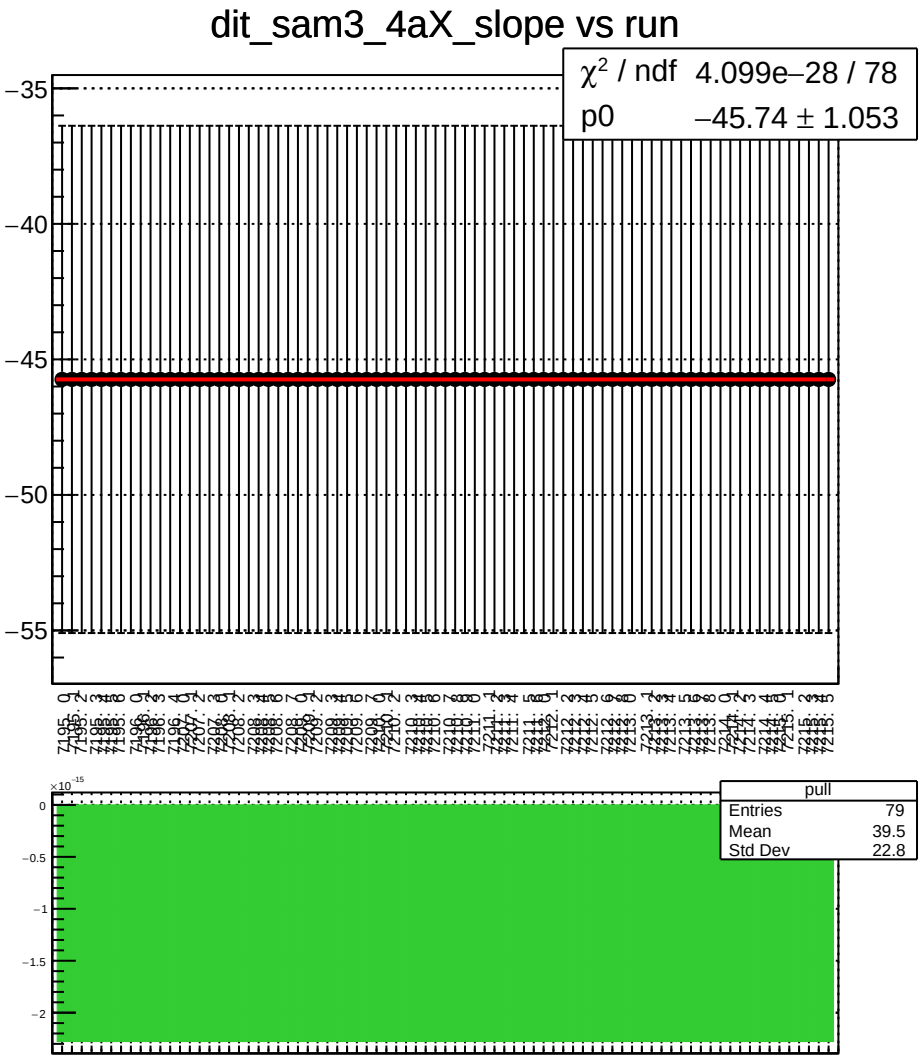


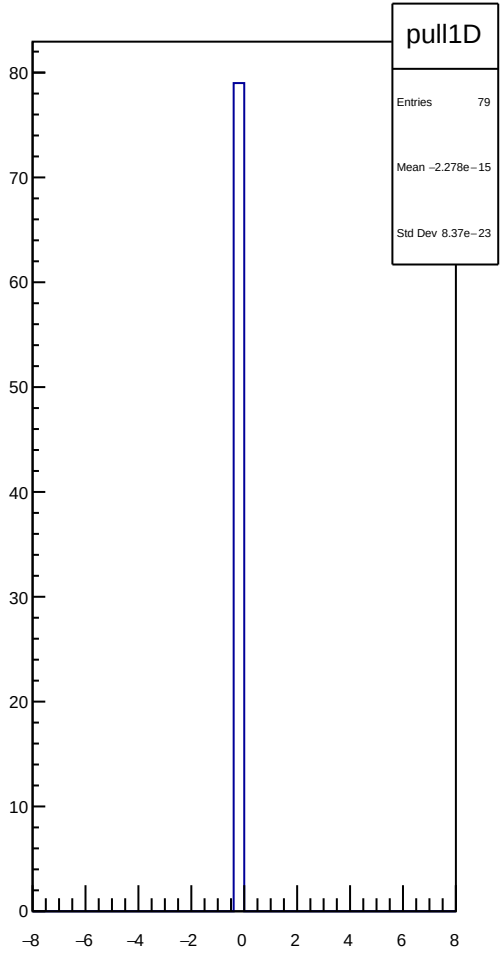



dit_sam2_4aY_slope vs run
χ^2 / ndf 2.463e−25 / 78
p0 8.636 ± 0.02863
8.9
8.8
8.7
8.6
8.5
8.4
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−10
−20
−30
−40
−50

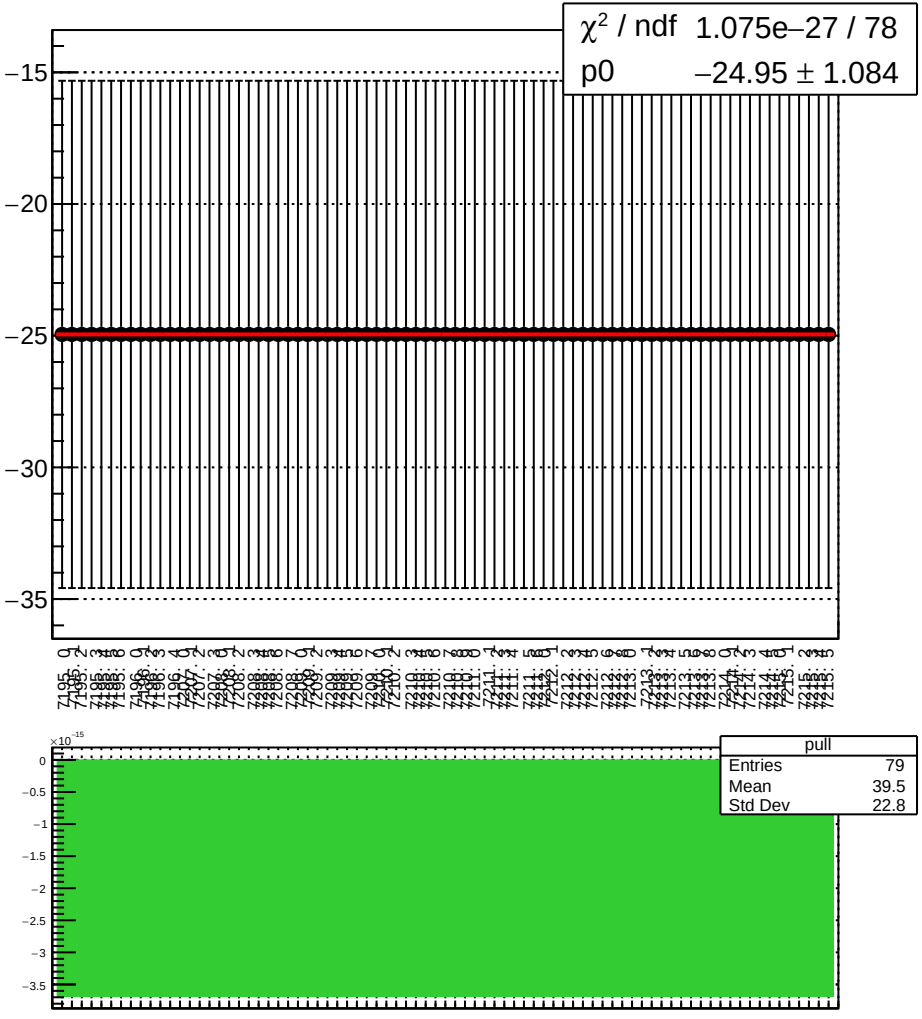

pull1D
Entries 79
Mean −5.584e−14
Std Dev3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

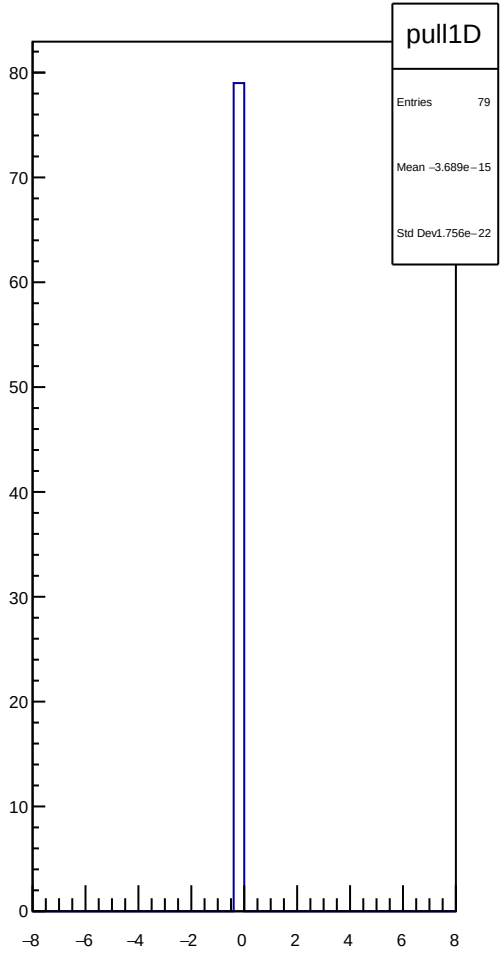

dit_sam2_4eY_slope vs run
χ² / ndf 1.41e−23 / 78
p0 −180.4 ± 0.06056
−179.8
−180
−180.2
−180.4
−180.6
−180.8
−181
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
pull1D
Entries 79
Mean 4.224e−13
Std Dev 1.071e−20

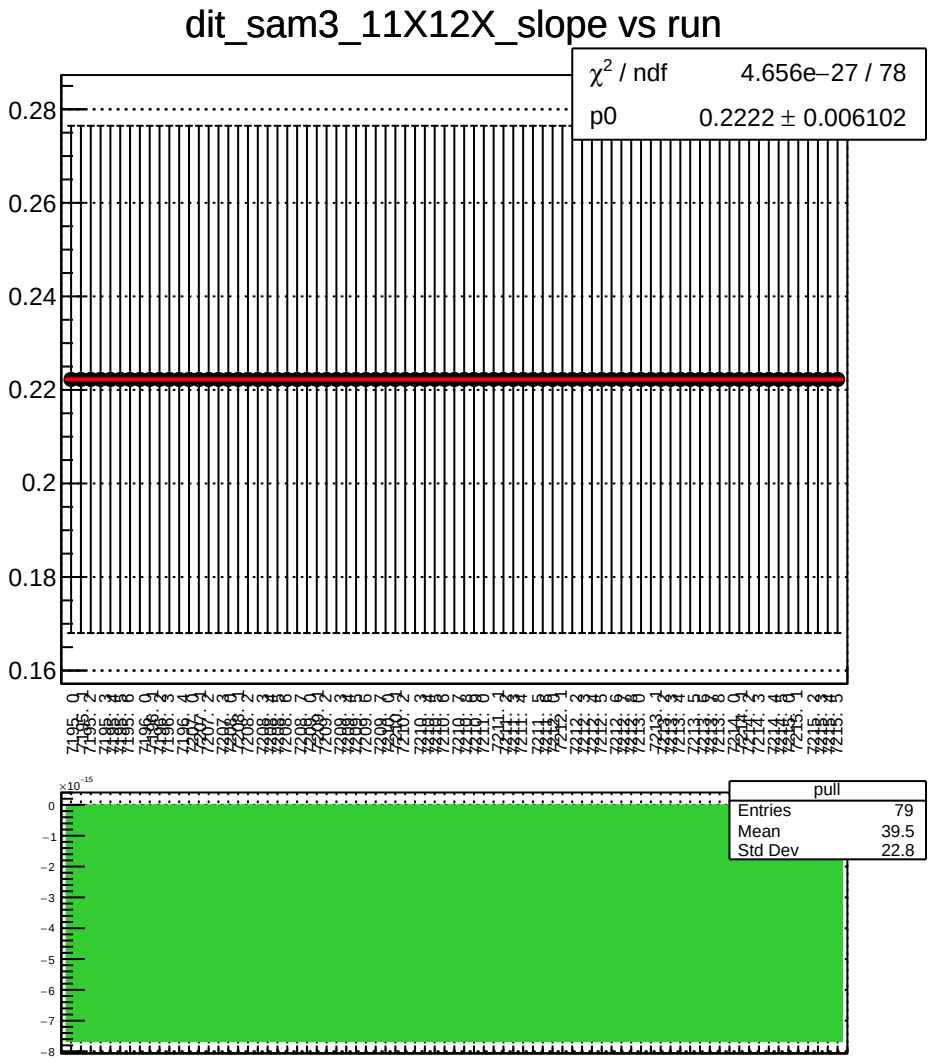

dit_sam3_4aX_slope vs run
χ^2 / ndf 4.099e−28 / 78
p0 −45.74 ± 1.053
−35
−40
−45
−50
−55
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−0.5
−1
−1.5
−2

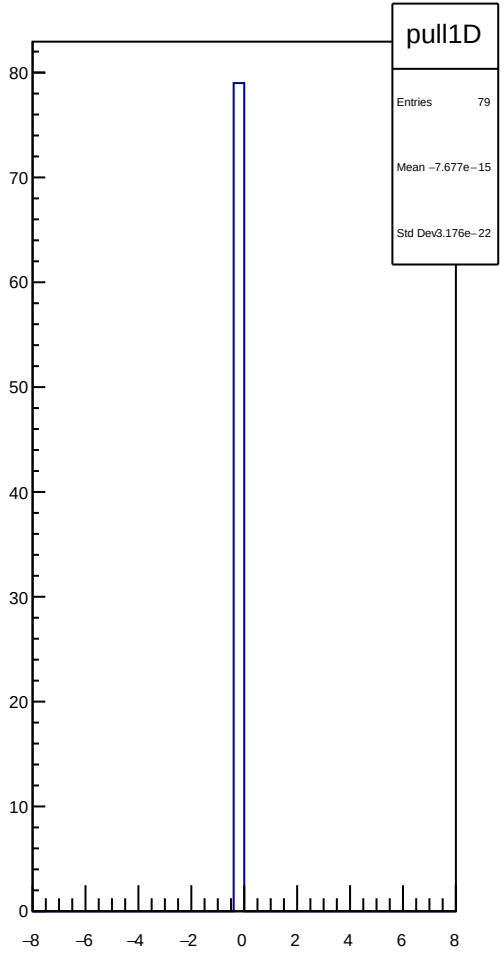

pull1D
Entries 79
Mean −2.278e−15
Std Dev 8.37e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

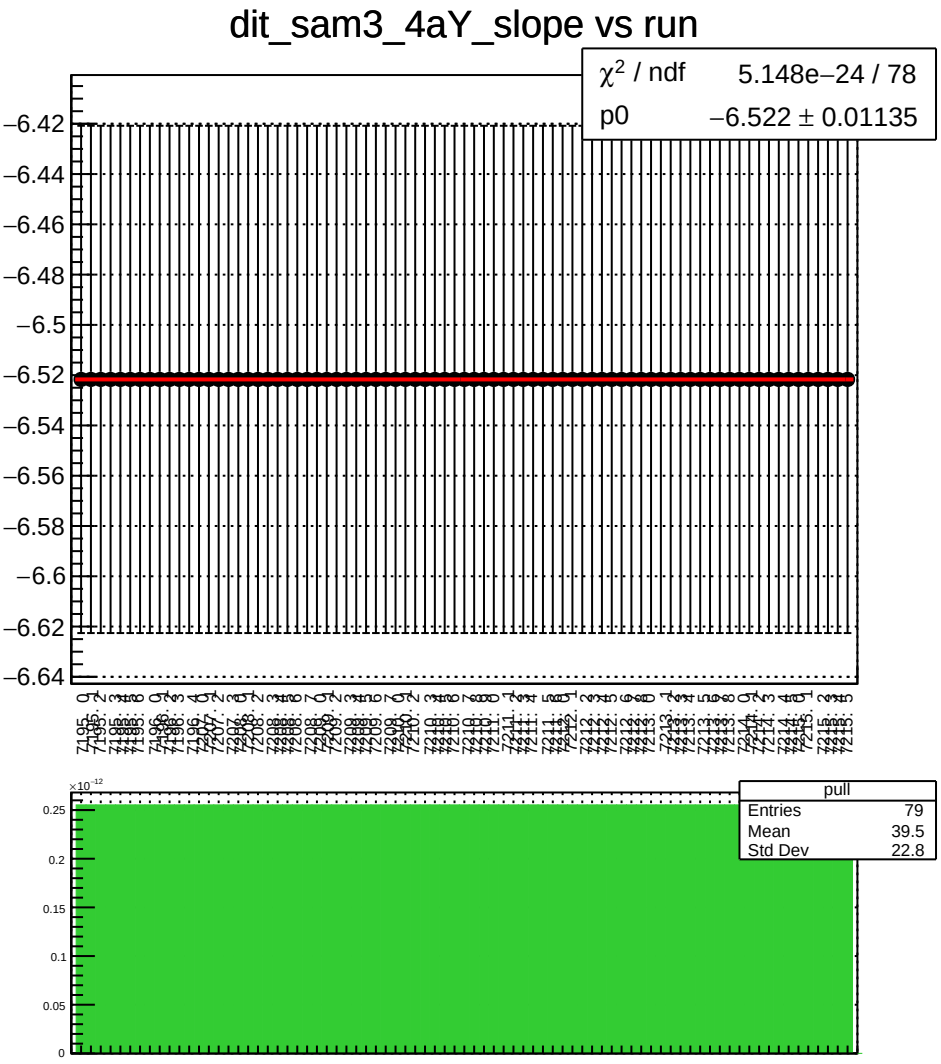
dit_sam3_4eX_slope vs run

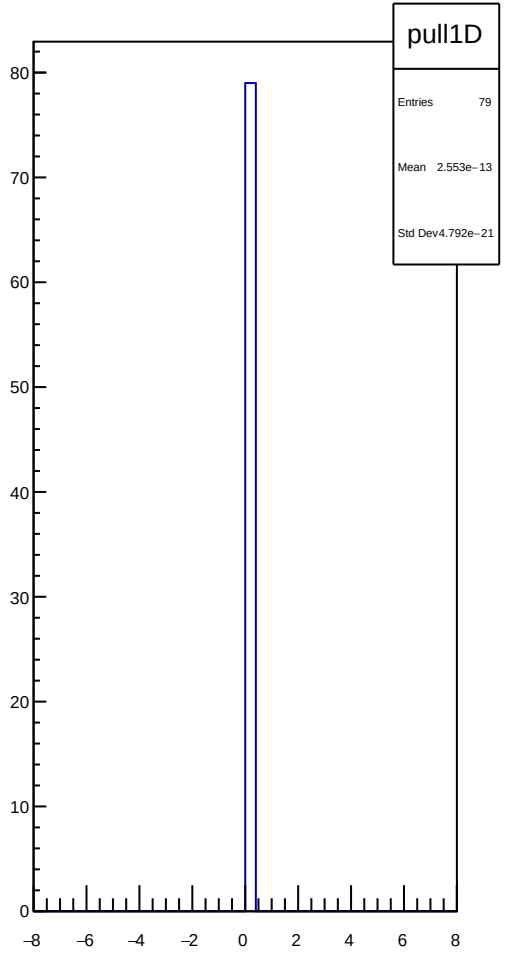




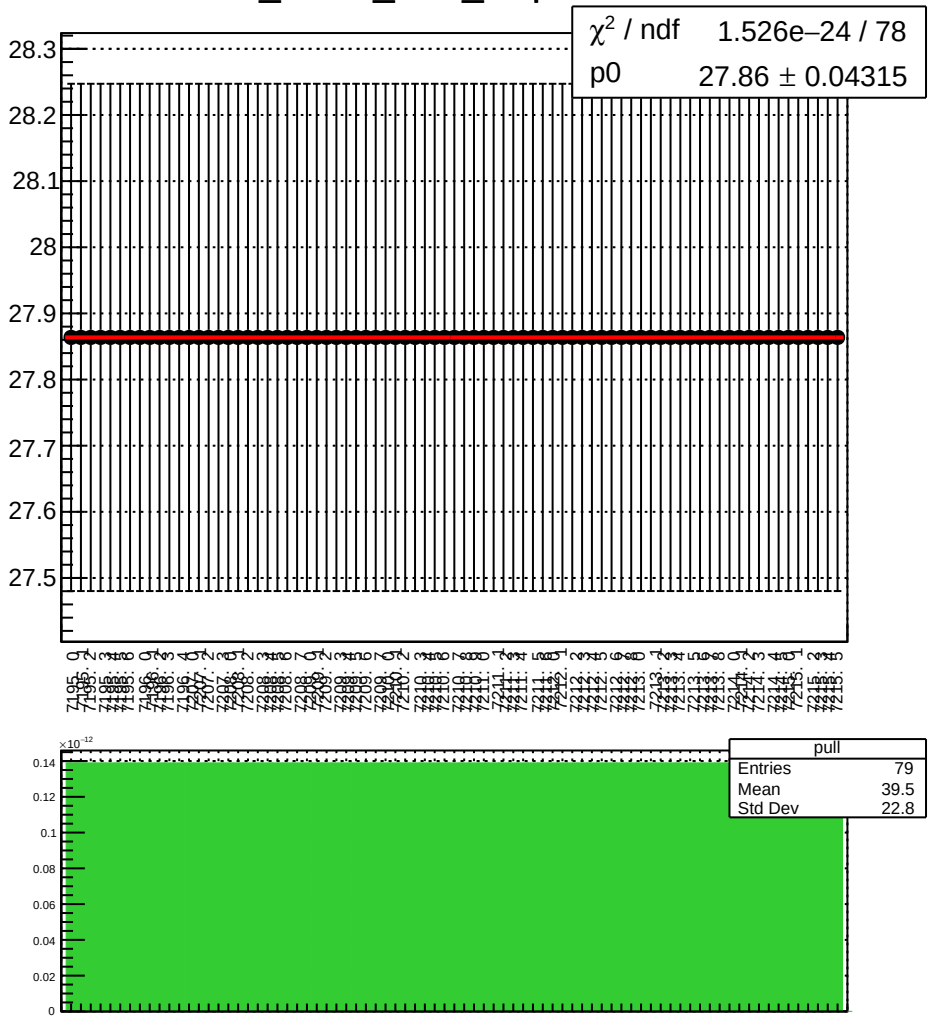

dit_sam3_11X12X_slope vs run
χ^2 / ndf 4.656e−27 / 78
p0 0.2222 ± 0.006102
0.28
0.26
0.24
0.22
0.2
0.18
0.16
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8

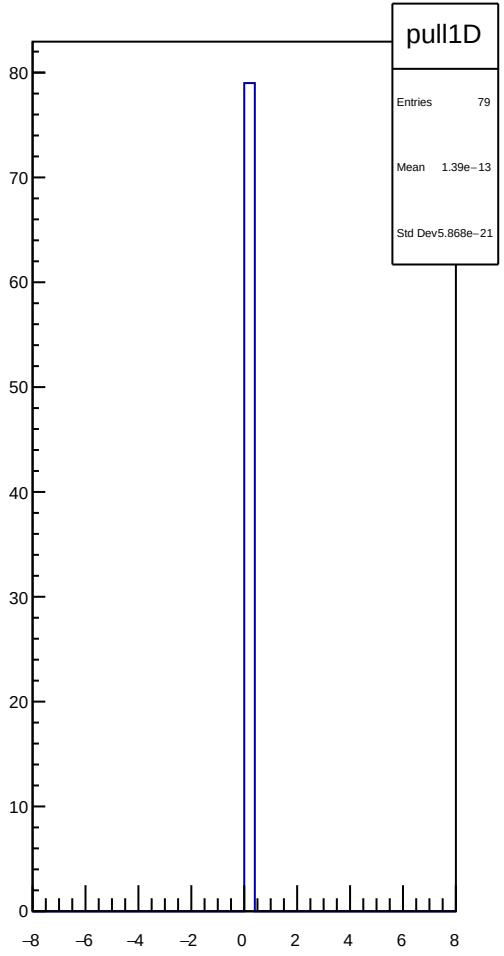

pull1D
Entries 79
Mean −7.677e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

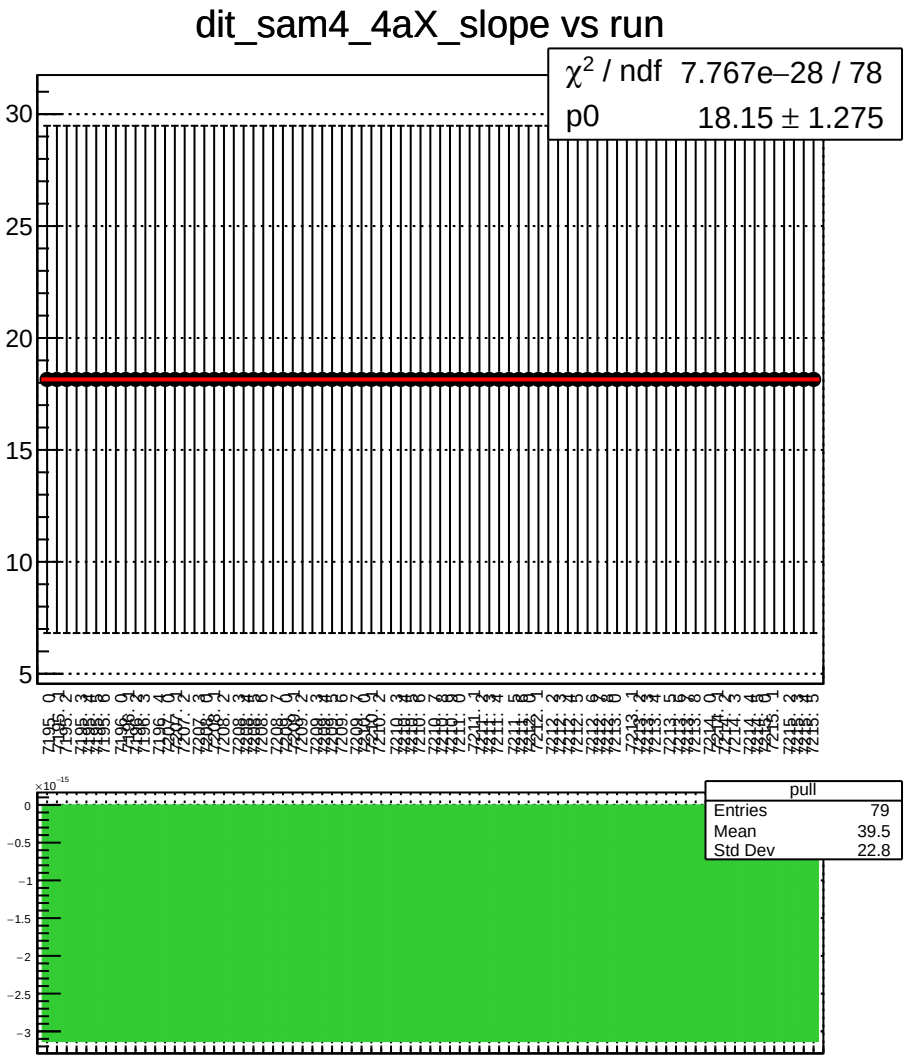

dit_sam3_4aY_slope vs run
χ² / ndf 5.148e−24 / 78
p0 −6.522 ± 0.01135
−6.42
−6.44
−6.46
−6.48
−6.5
−6.52
−6.54
−6.56
−6.58
−6.6
−6.62
−6.64
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

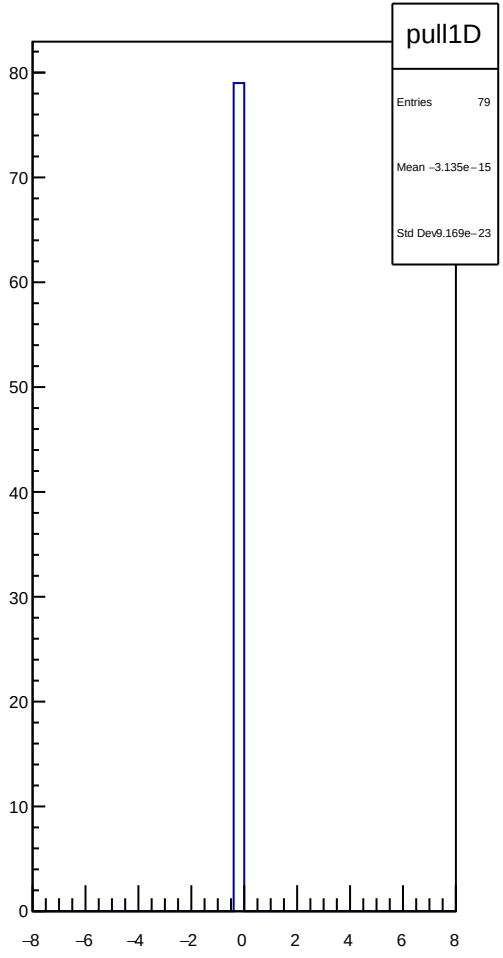

pull1D
Entries 79
Mean 2.553e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

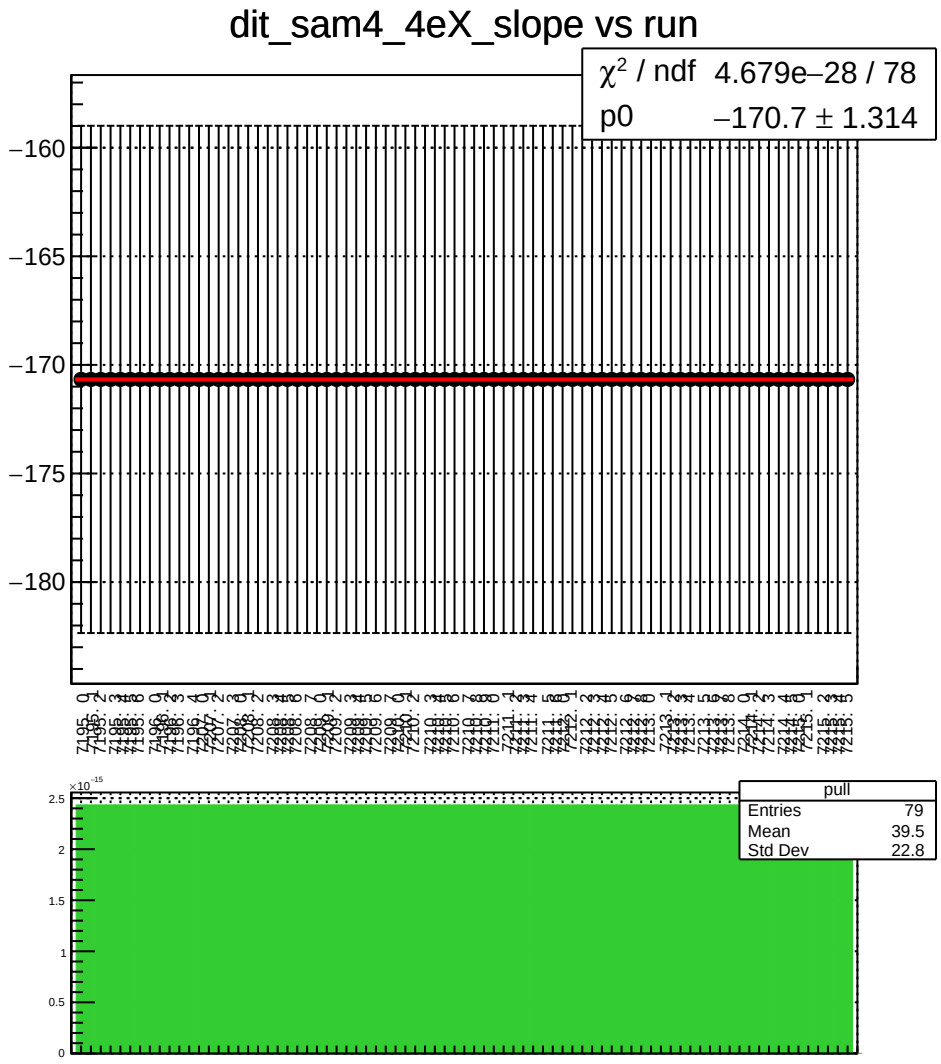
dit_sam3_4eY_slope vs run

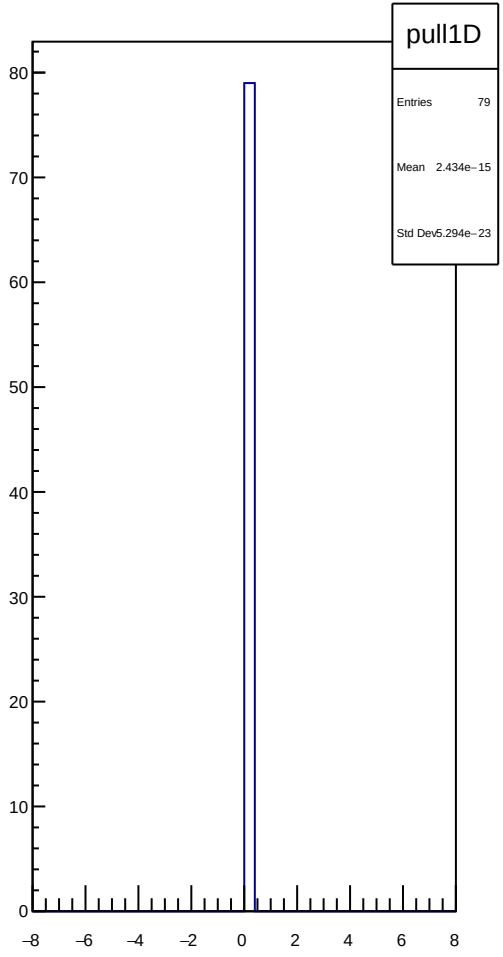


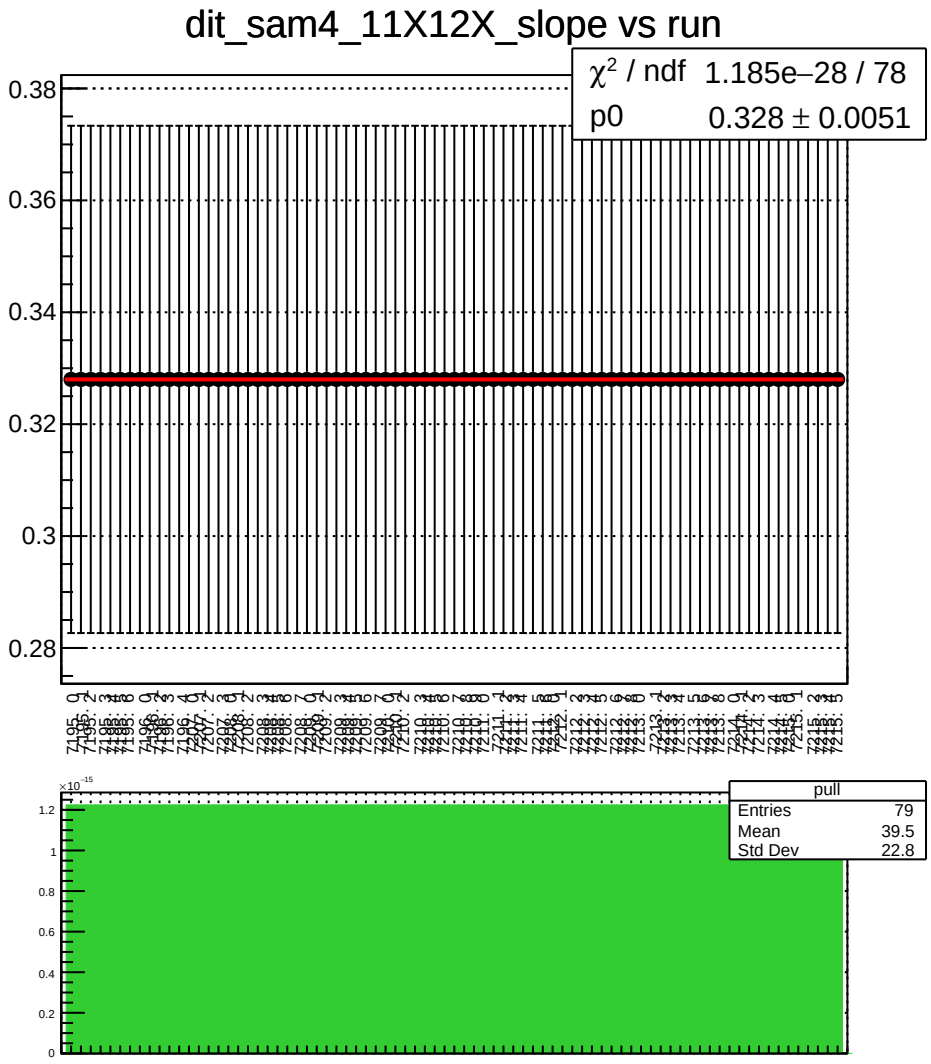


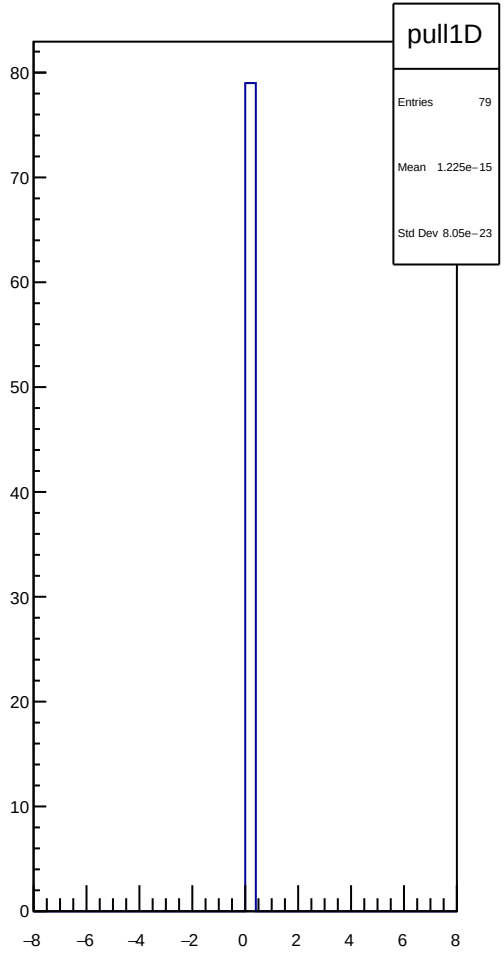

dit_sam4_4aX_slope vs run
χ^2 / ndf 7.767e−28 / 78
p0 18.15 ± 1.275
pull
Entries 79
Mean 39.5
Std Dev 22.8

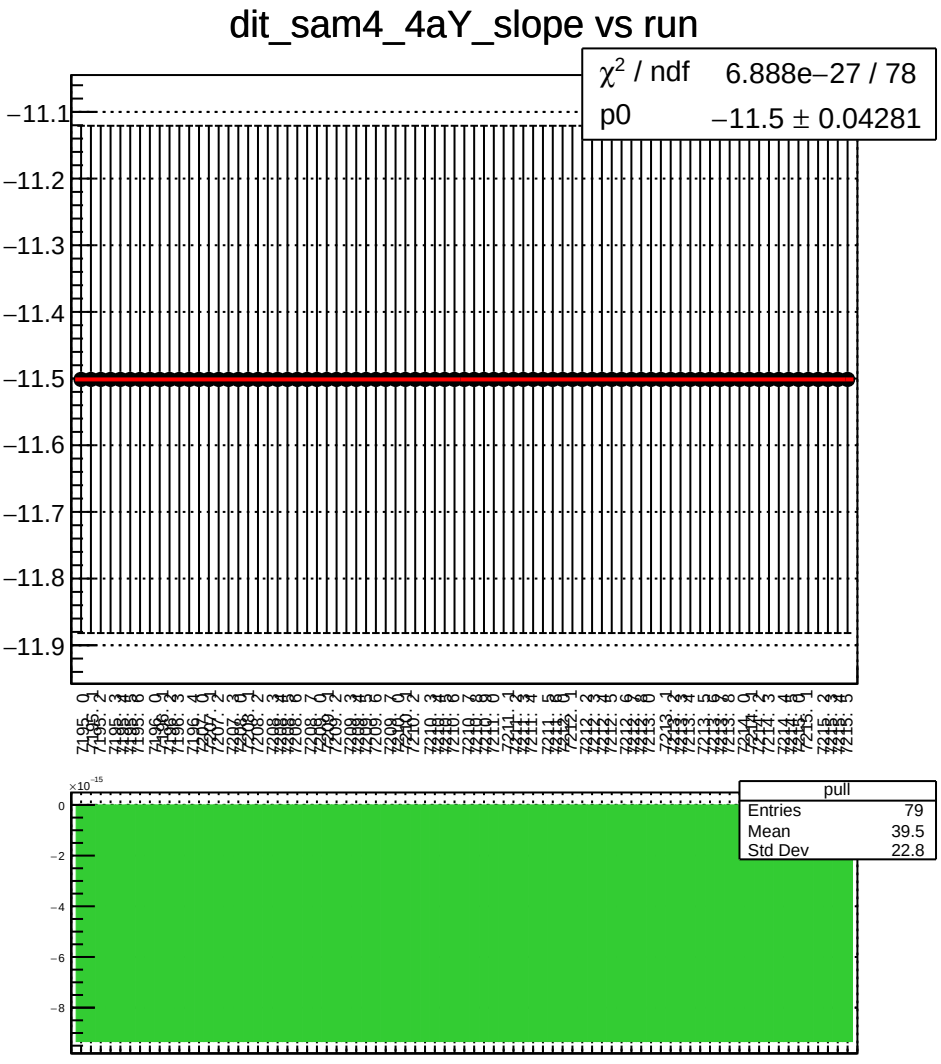

pull1D
Entries 79
Mean −3.135e−15
Std Dev 9.169e−23

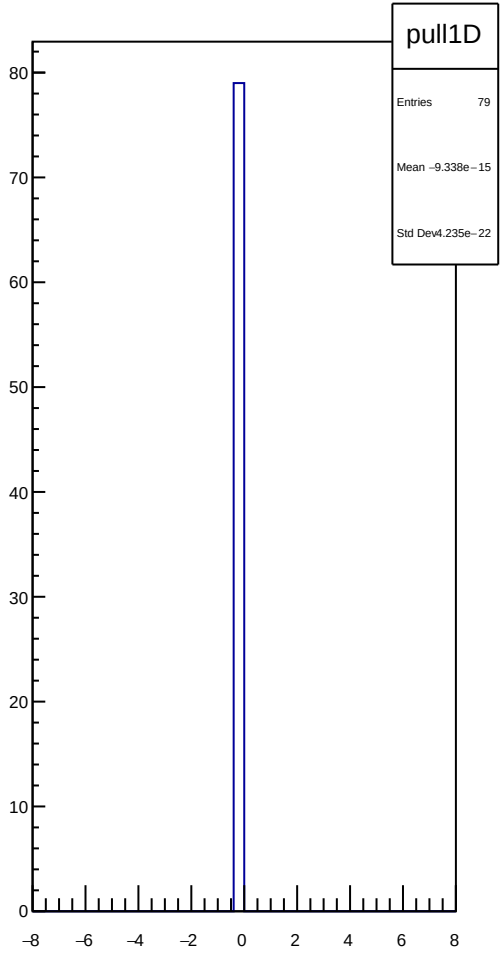

dit_sam4_4eX_slope vs run
χ^2 / ndf 4.679e−28 / 78
p0 −170.7 ± 1.314
−160
−165
−170
−175
−180
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
2.5
2
1.5
1
0.5
0


pull1D
Entries 79
Mean 2.434e−15
Std Dev 5.294e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

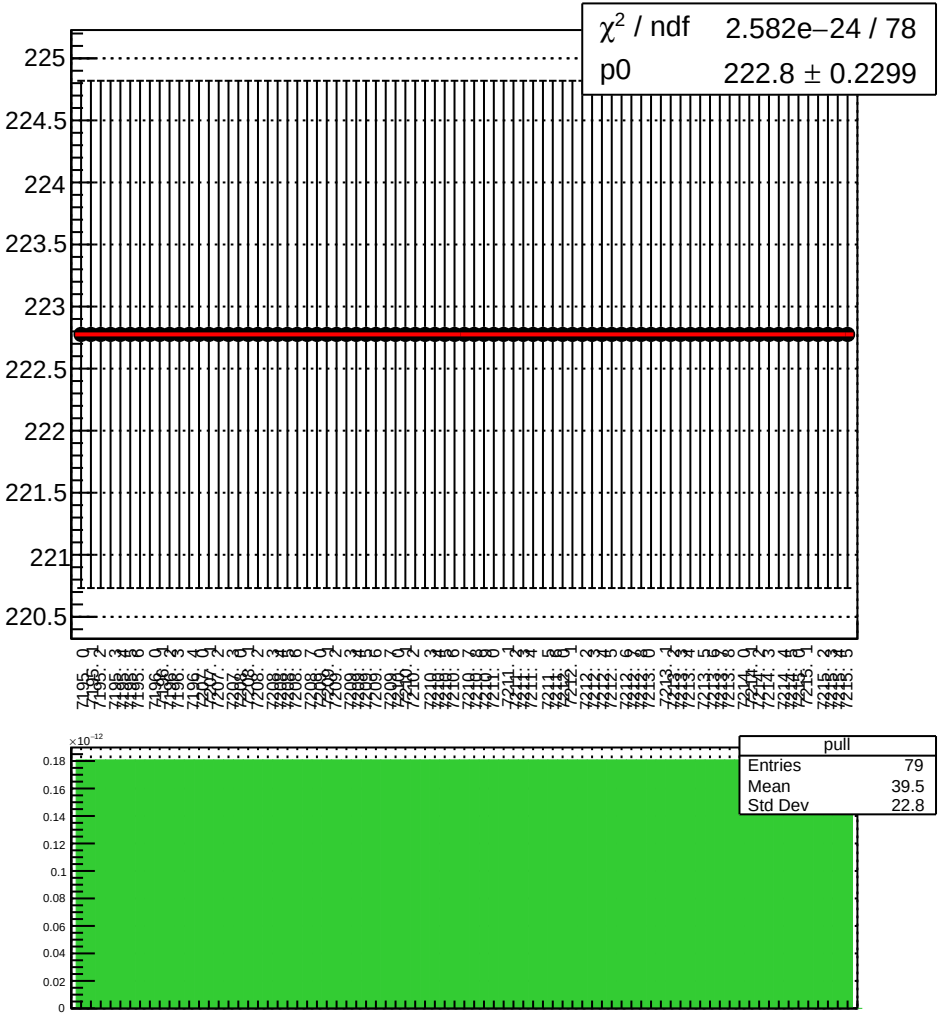

dit_sam4_11X12X_slope vs run
χ^2 / ndf 1.185e−28 / 78
p0 0.328 ± 0.0051
0.38
0.36
0.34
0.32
0.3
0.28
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
1.2
1
0.8
0.6
0.4
0.2
0

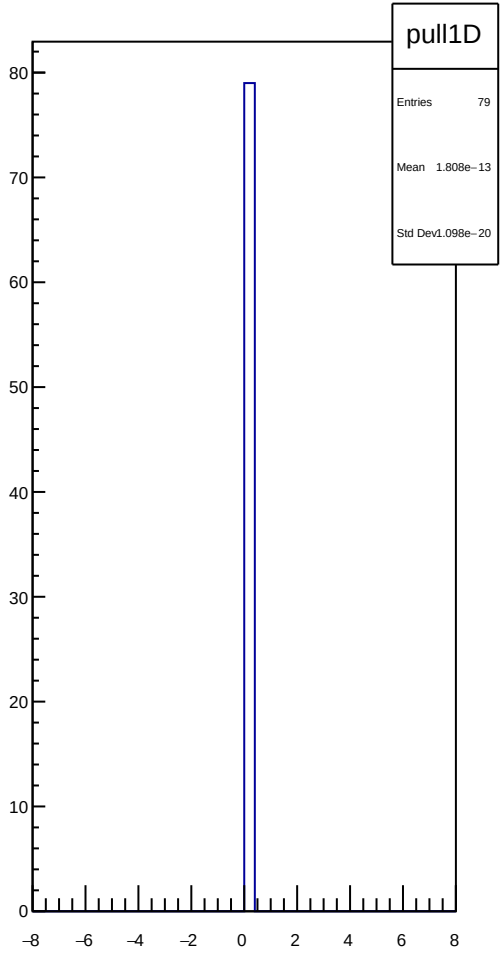

pull1D
Entries 79
Mean 1.225e−15
Std Dev 8.05e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

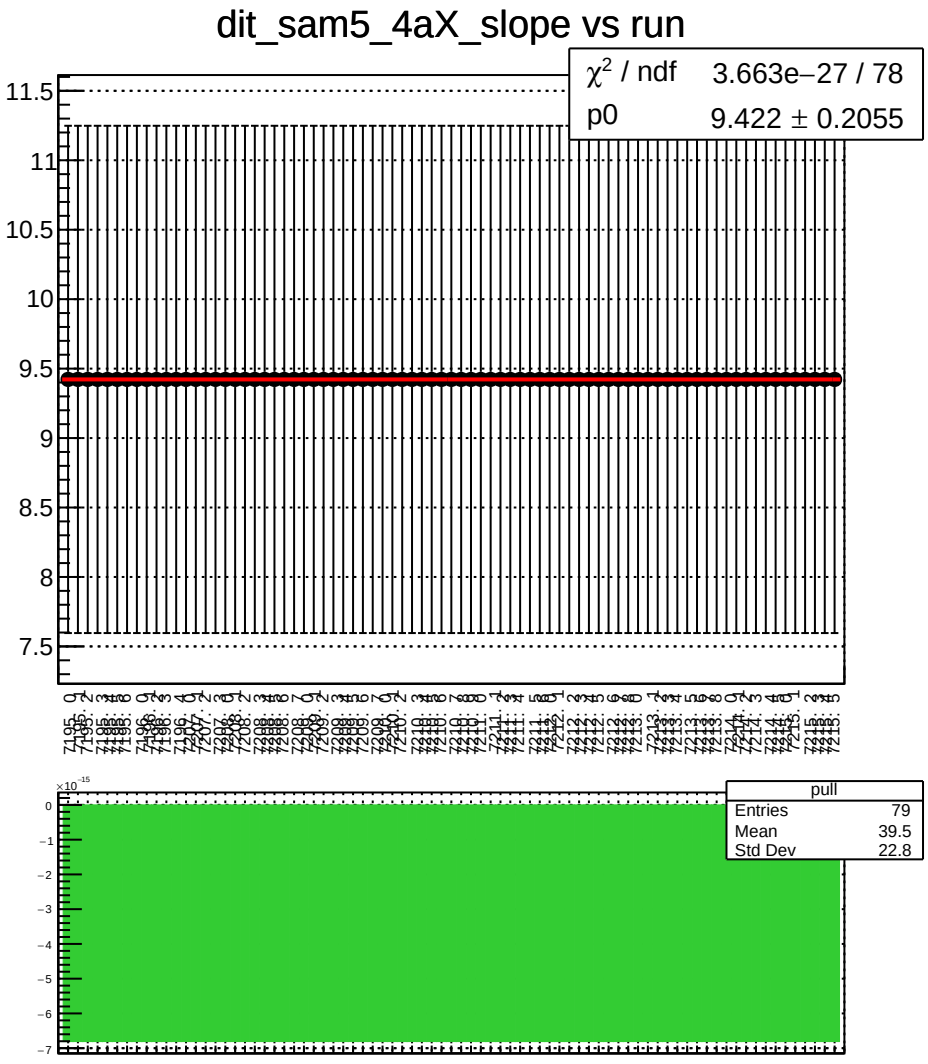

dit_sam4_4aY_slope vs run
χ^2 / ndf 6.888e−27 / 78
p0 −11.5 ± 0.04281
−11.1
−11.2
−11.3
−11.4
−11.5
−11.6
−11.7
−11.8
−11.9
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
0
−2
−4
−6
−8

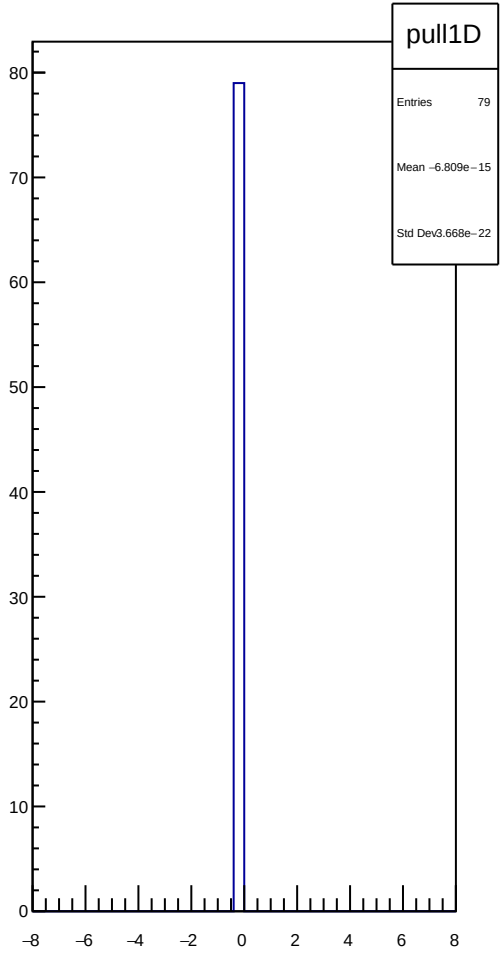

pull1D
Entries 79
Mean −9.338e−15
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

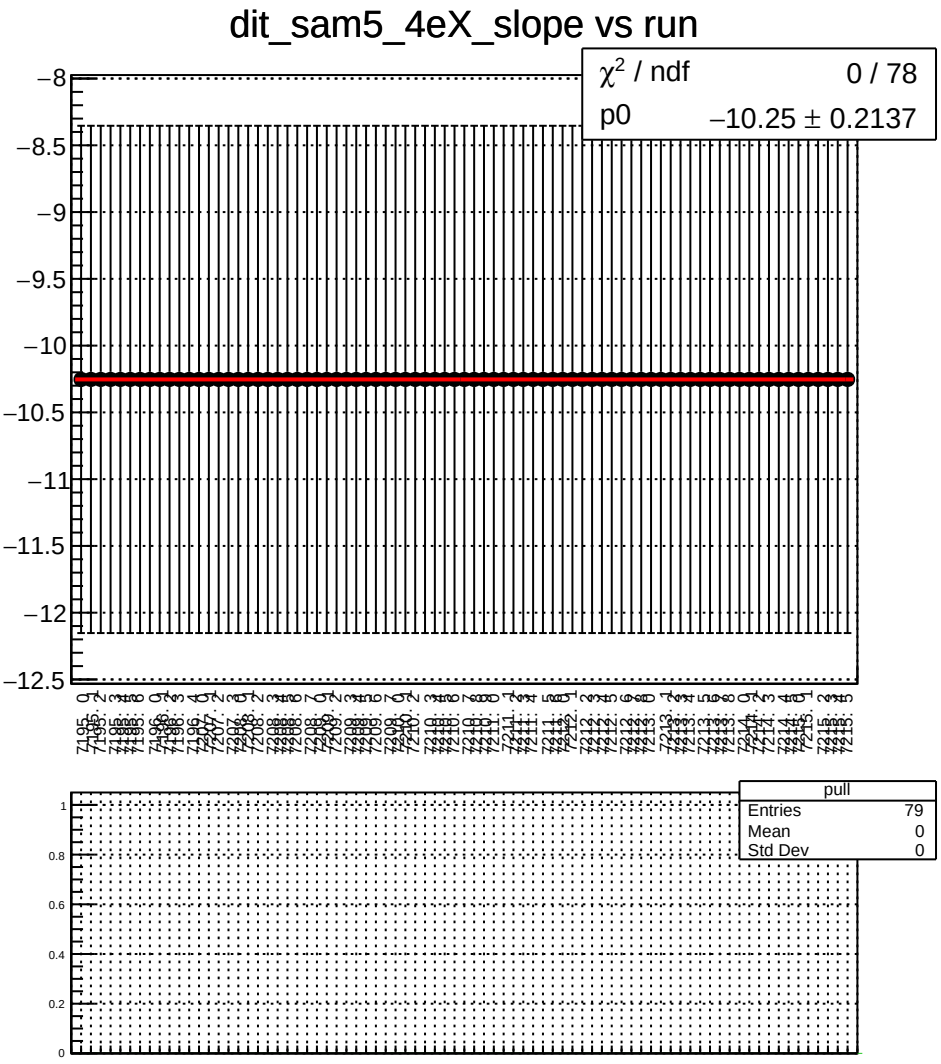
dit_sam4_4eY_slope vs run

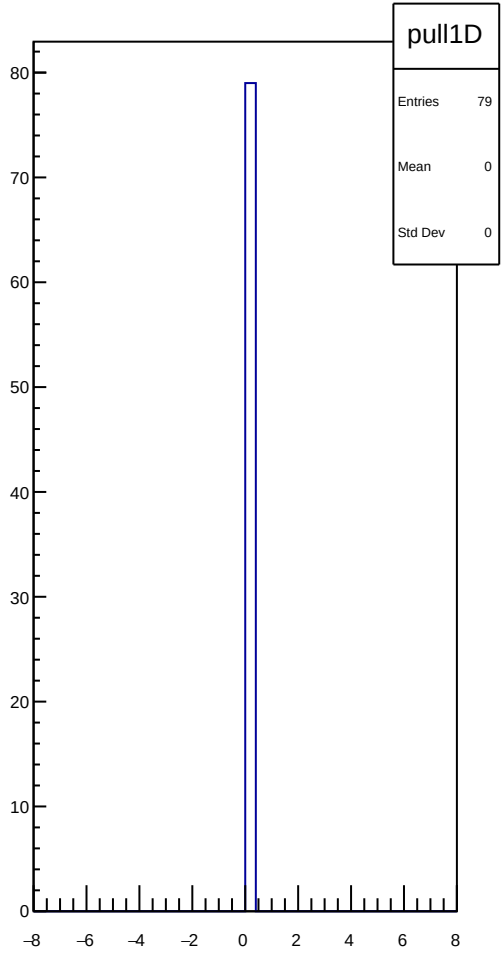




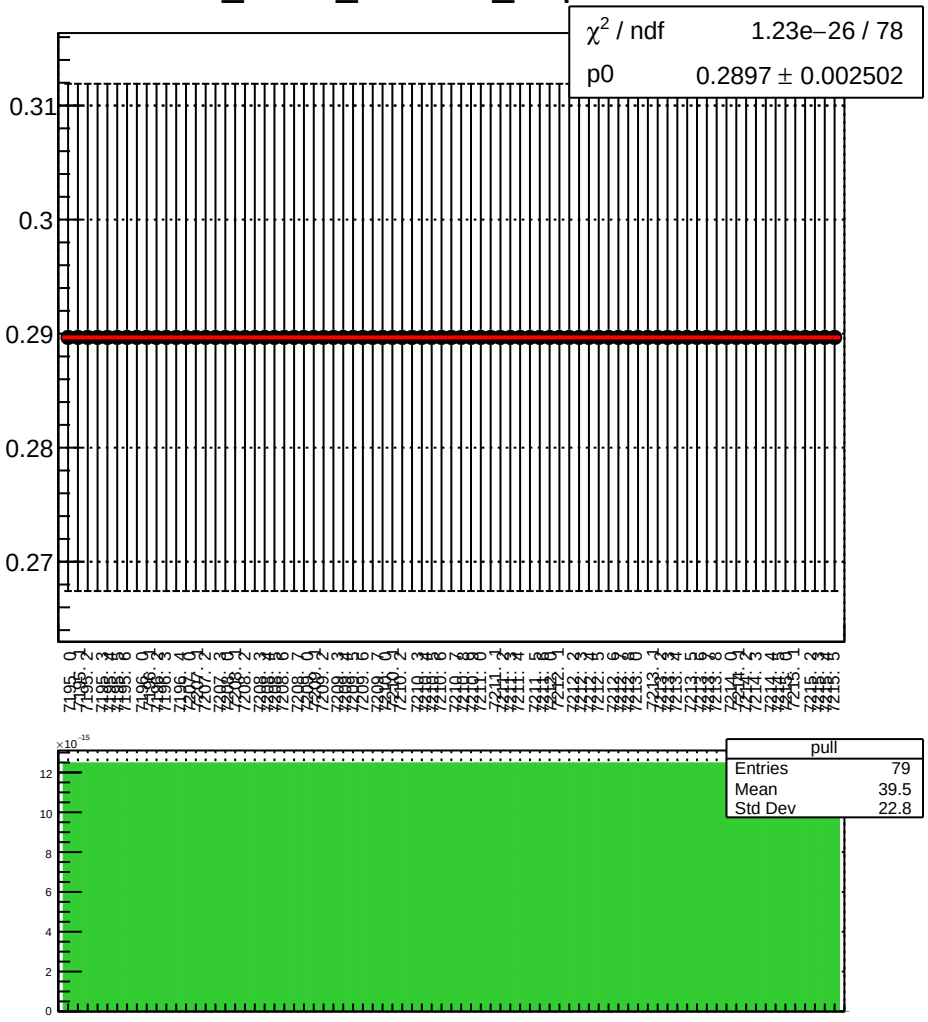

dit_sam5_4aX_slope vs run
χ^2 / ndf 3.663e−27 / 78
p0 9.422 ± 0.2055
pull
Entries 79
Mean 39.5
Std Dev 22.8

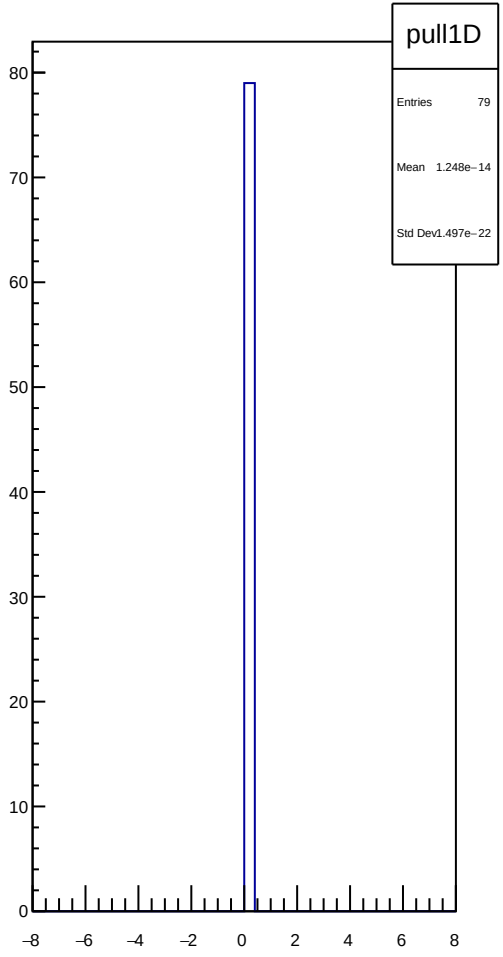

pull1D
Entries 79
Mean −6.809e−15
Std Dev3.668e−22


dit_sam5_4eX_slope vs run
χ^2 / ndf 0 / 78
p0 −10.25 ± 0.2137
pull
Entries 79
Mean 0
Std Dev 0

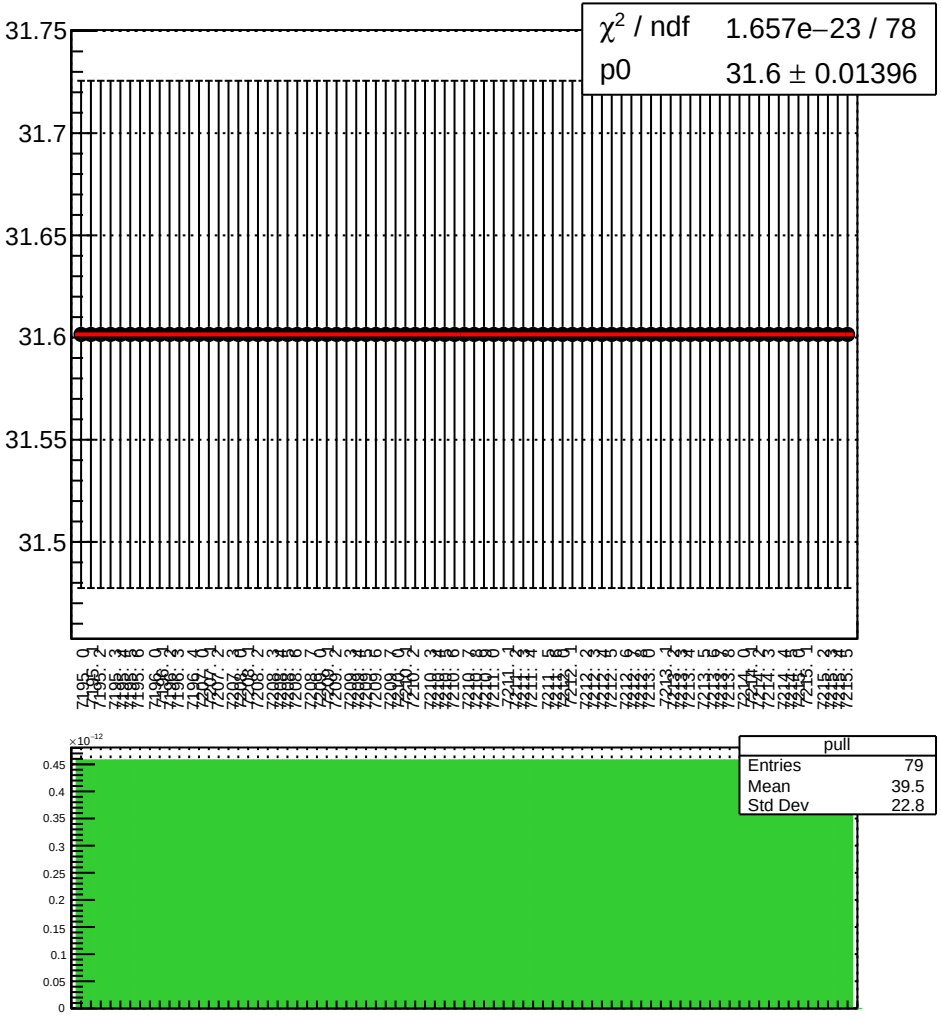

pull1D
Entries 79
Mean 0
Std Dev 0

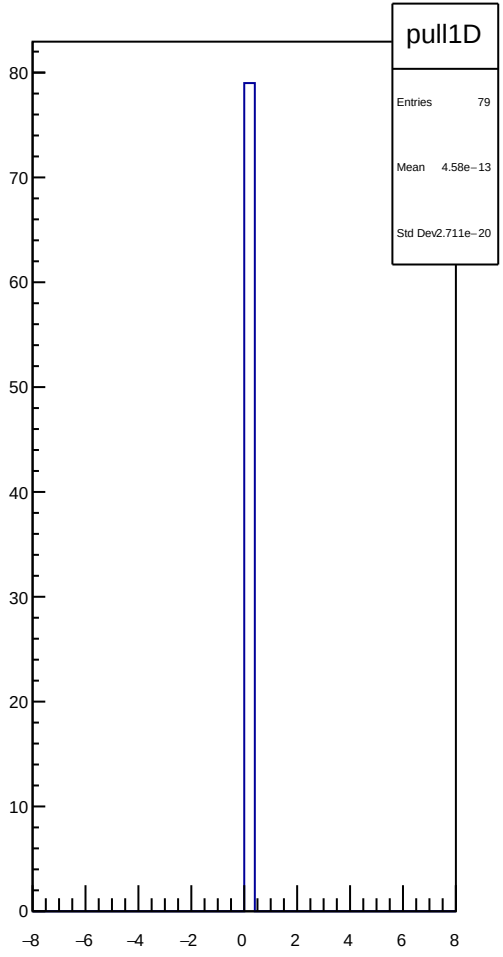
dit_sam5_11X12X_slope vs run



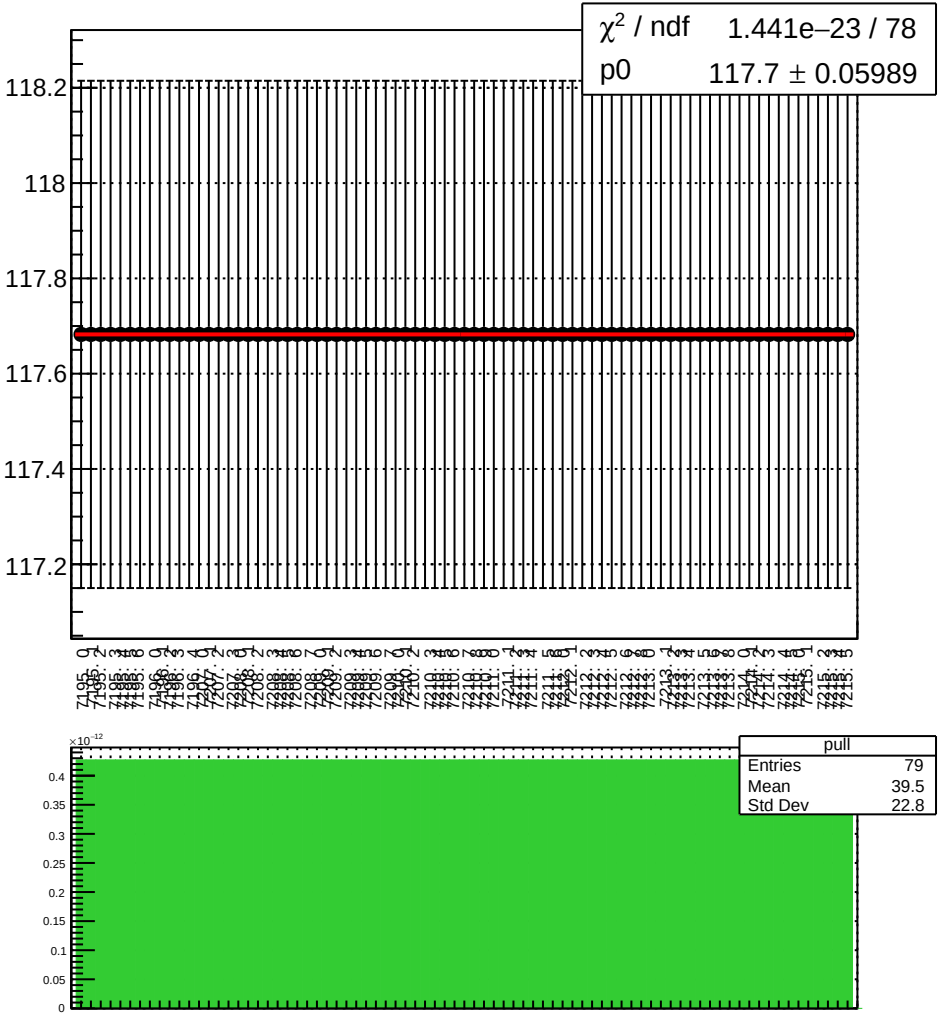


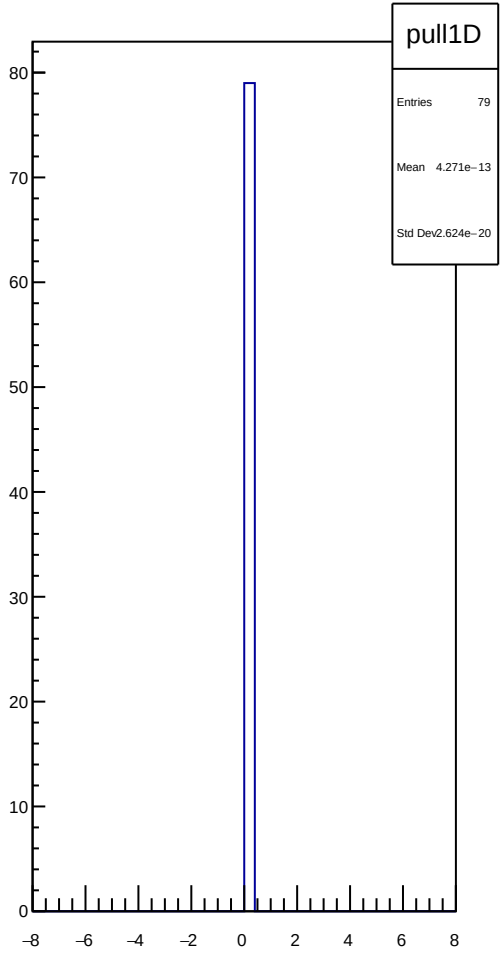
dit_sam5_4aY_slope vs run



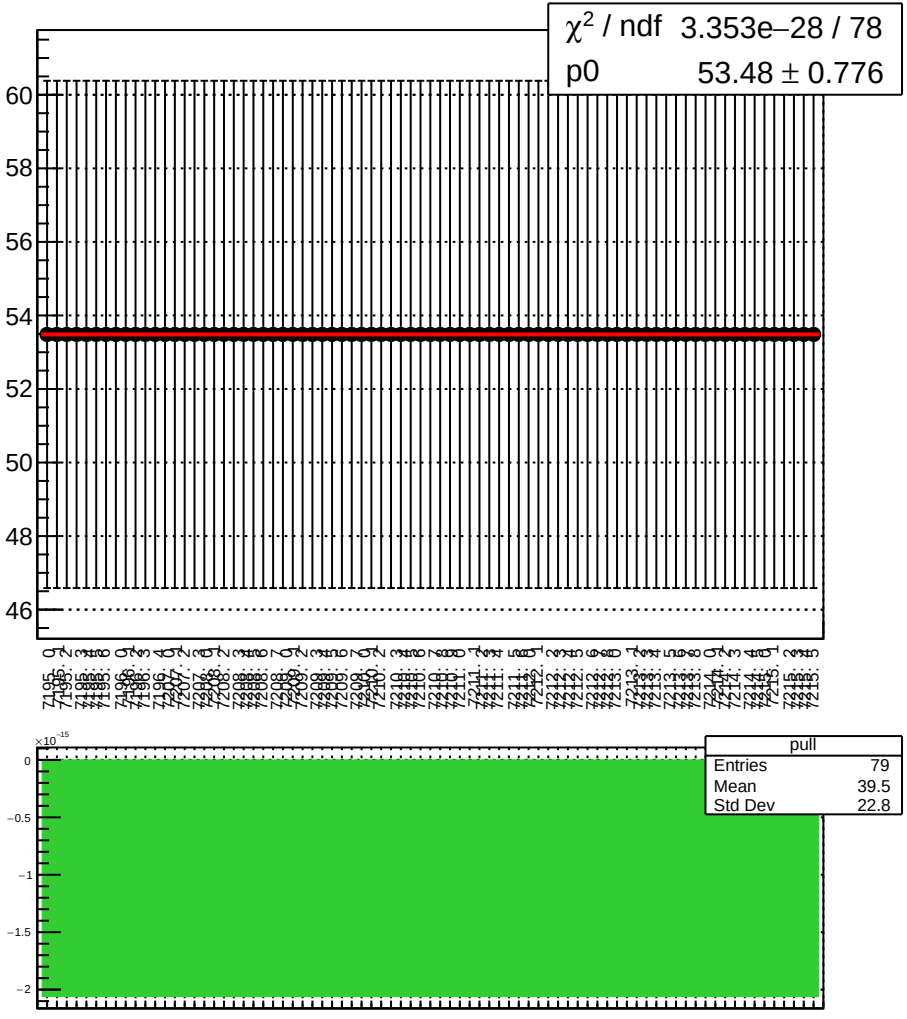


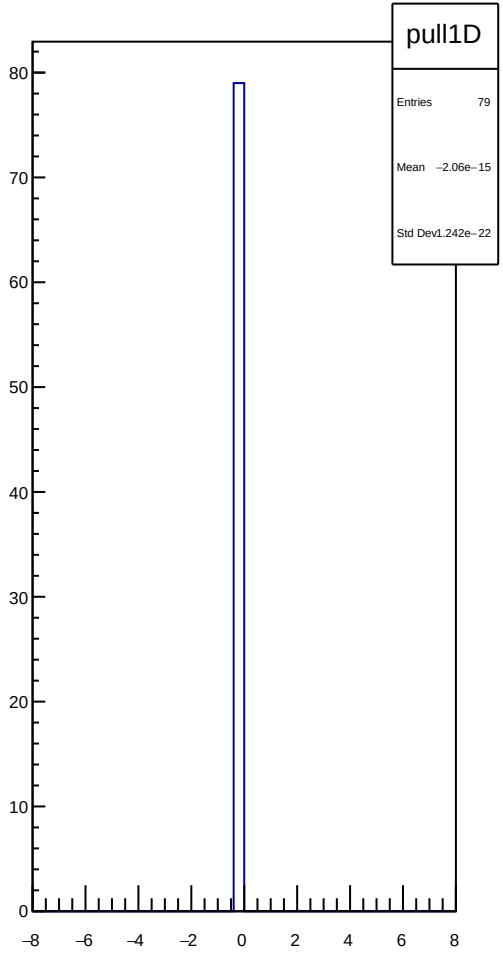
dit_sam5_4eY_slope vs run



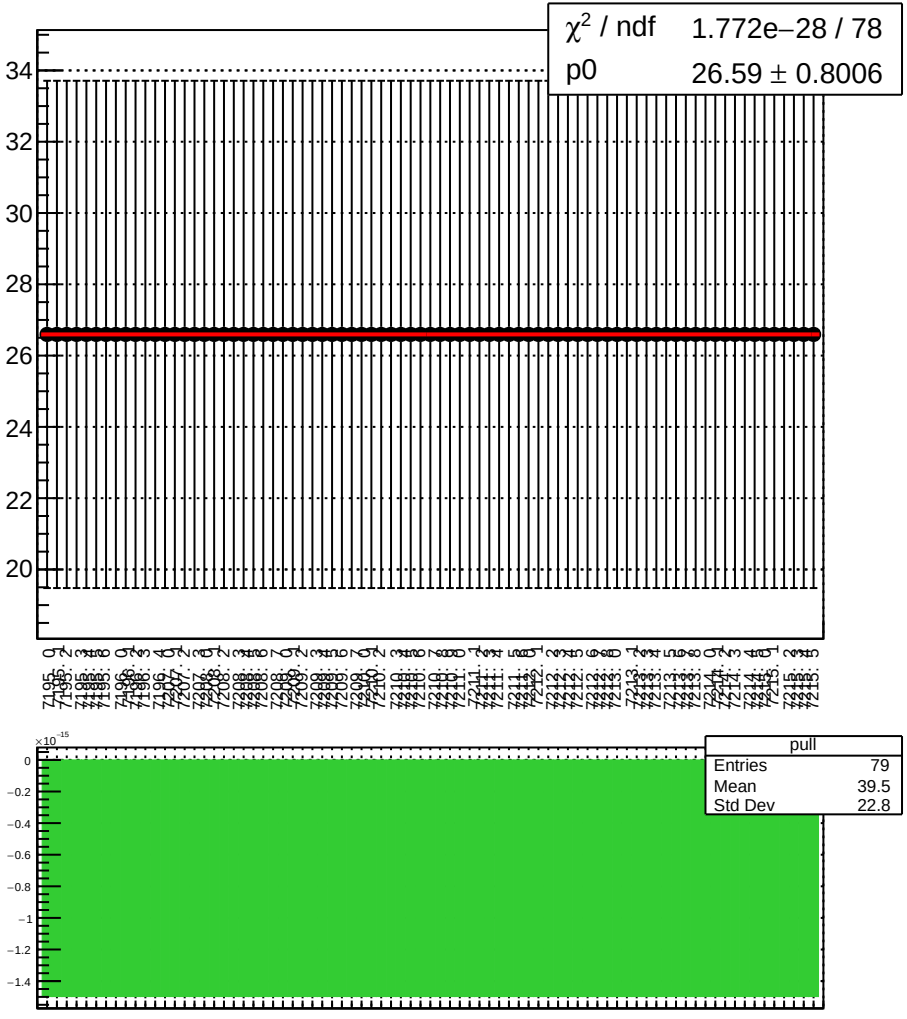


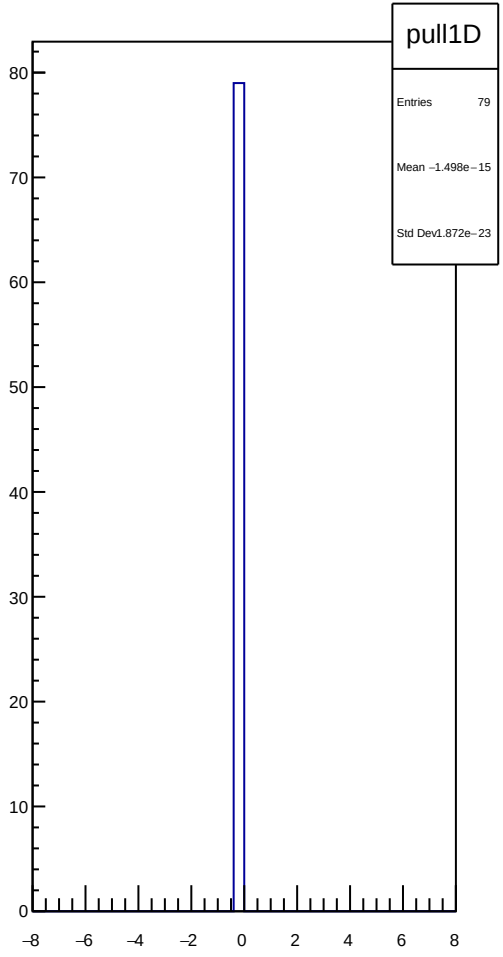
dit_sam6_4aX_slope vs run



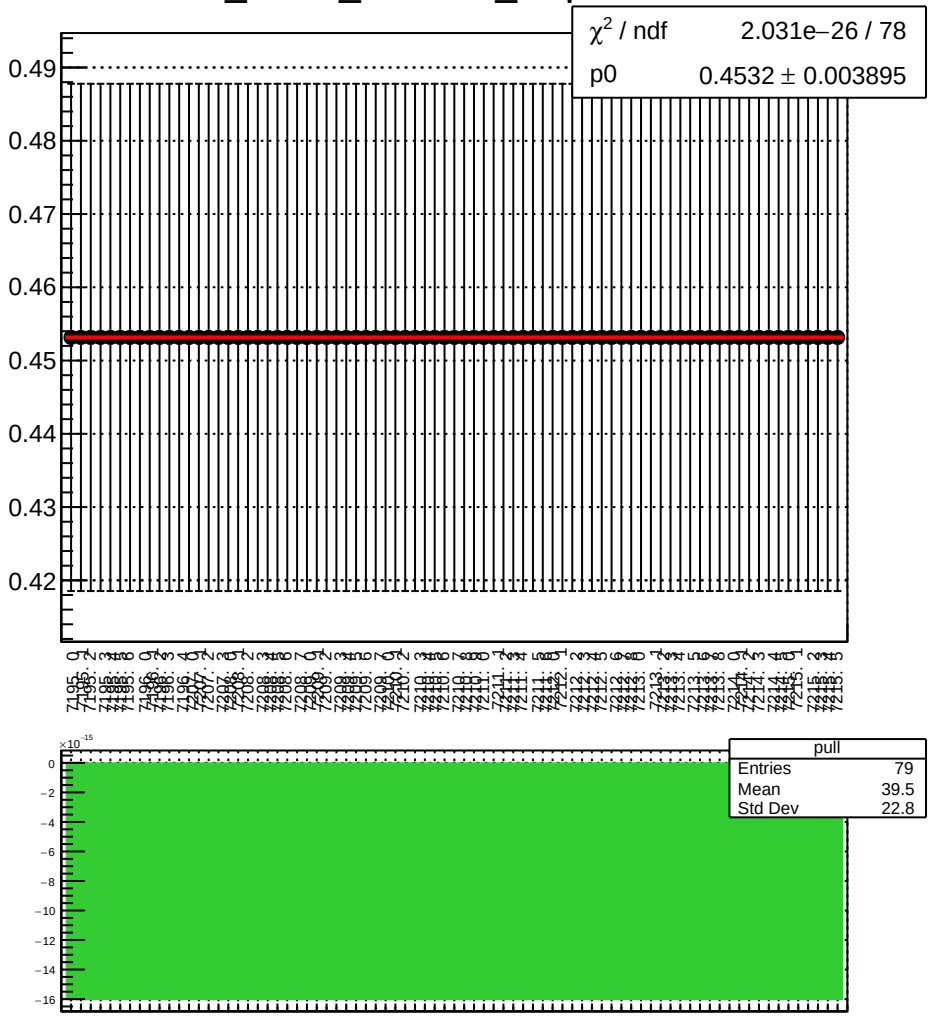


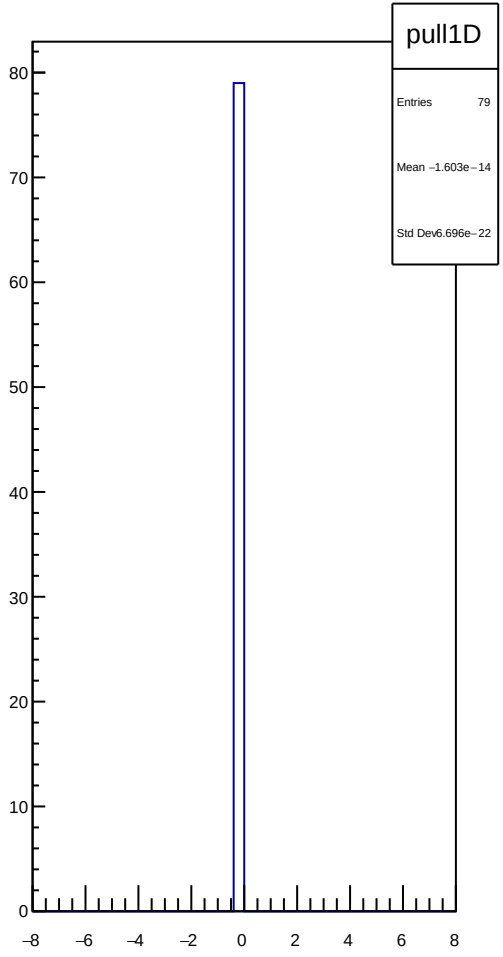
dit_sam6_4eX_slope vs run

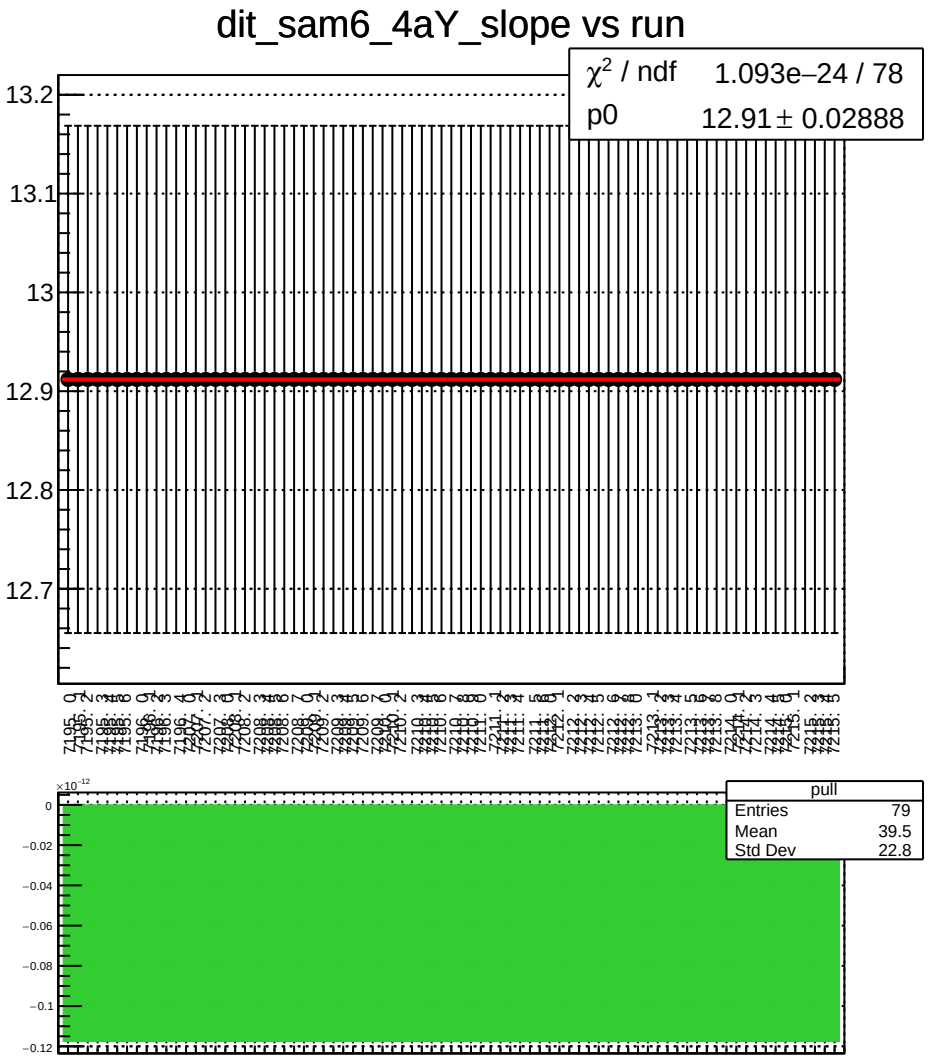


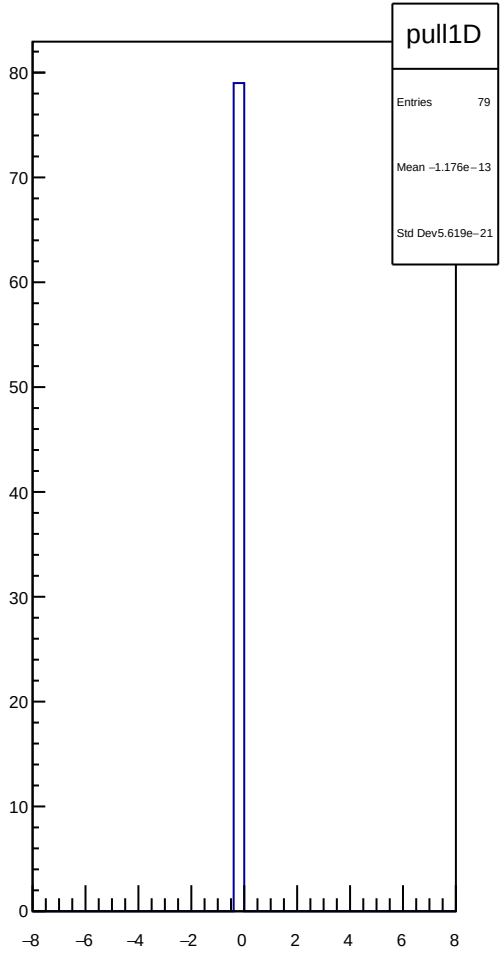


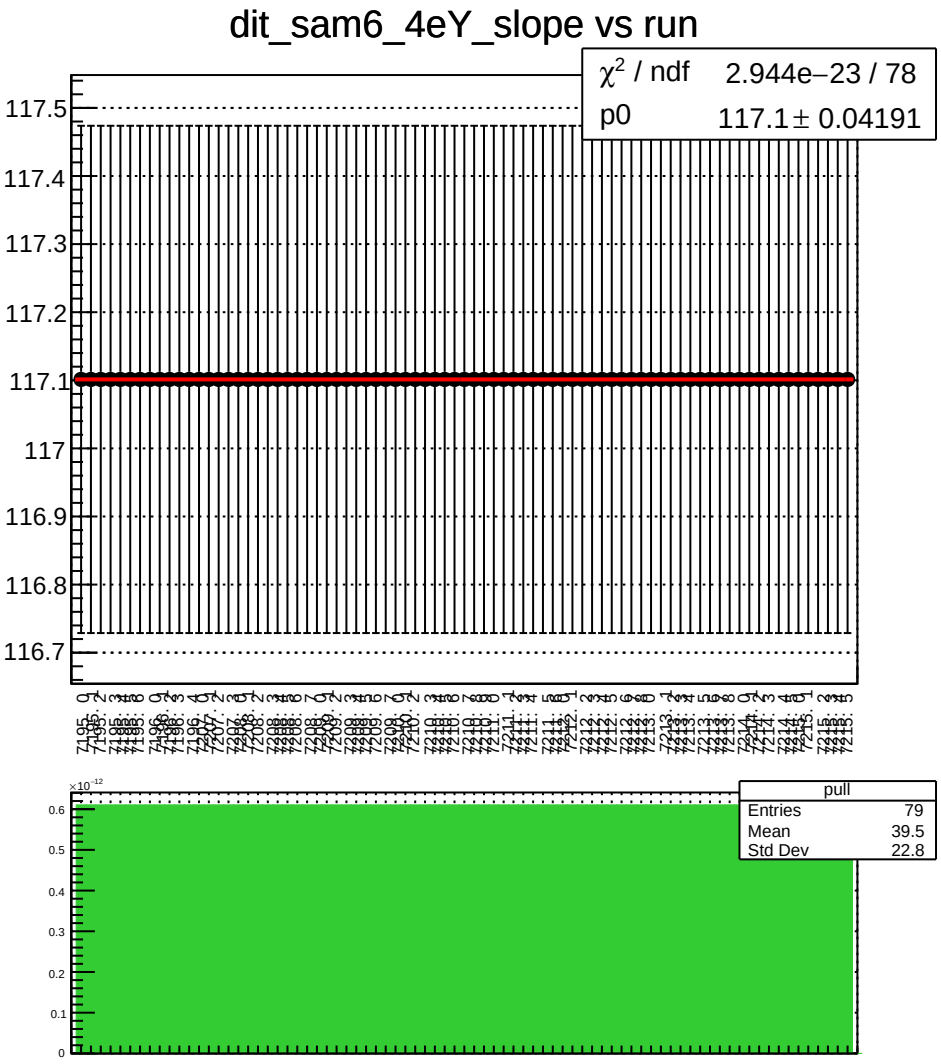
dit_sam6_11X12X_slope vs run

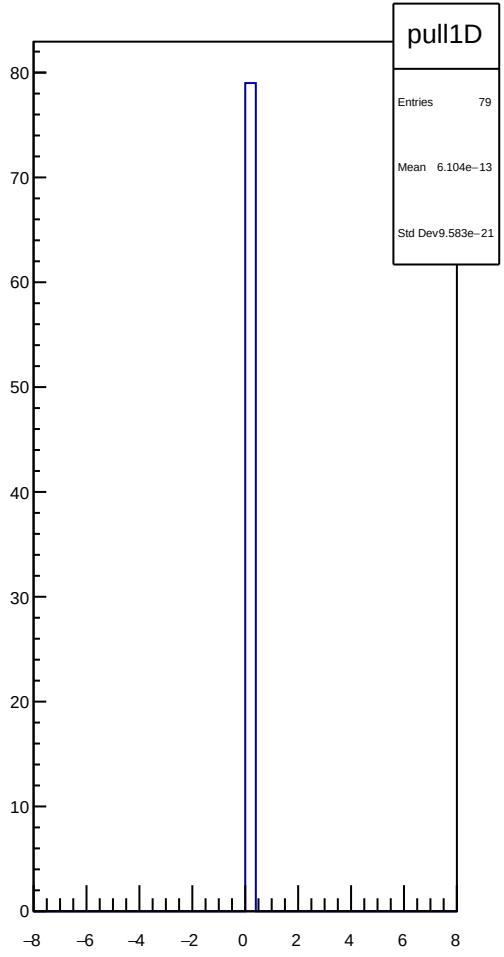




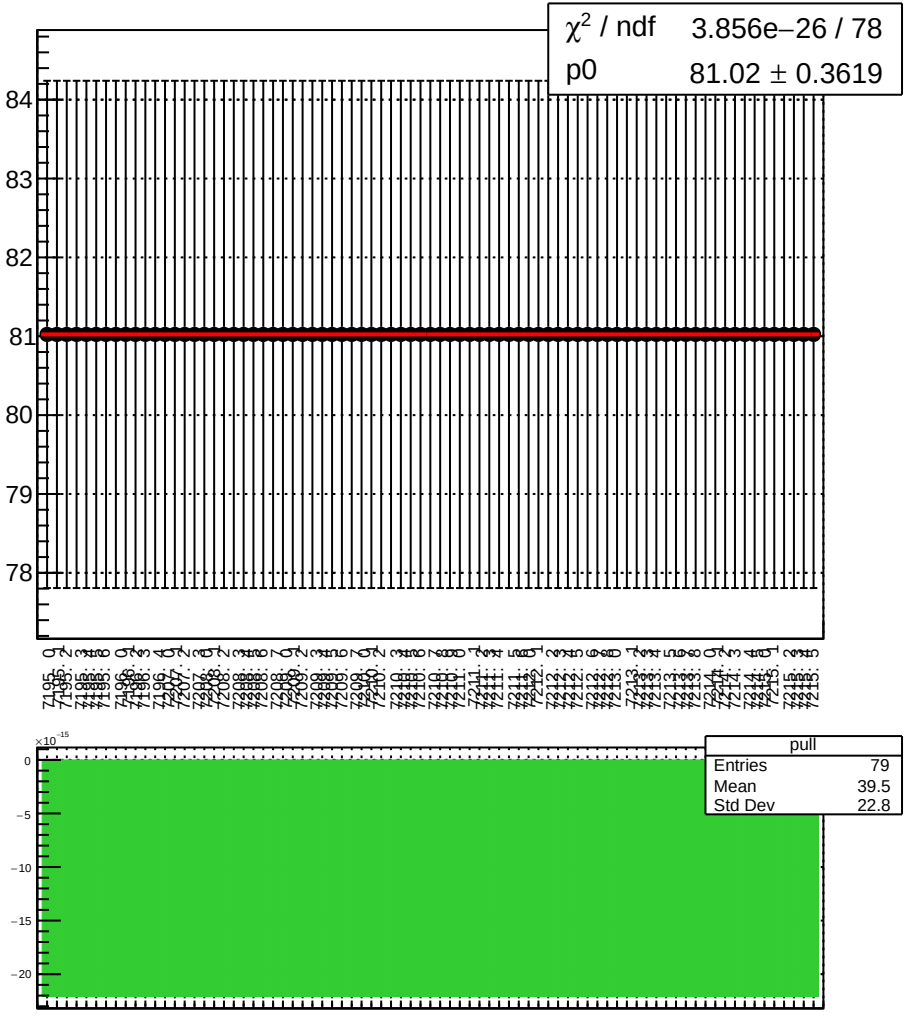

dit_sam6_4aY_slope vs run
χ² / ndf 1.093e−24 / 78
p0 12.91 ± 0.02888
13.2
13.1
13
12.9
12.8
12.7
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

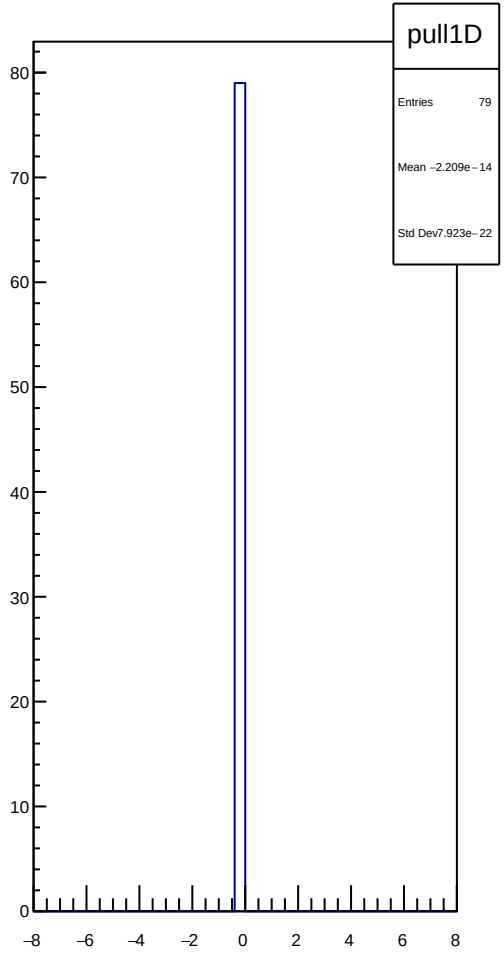

pull1D
Entries 79
Mean −1.176e−13
Std Dev5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

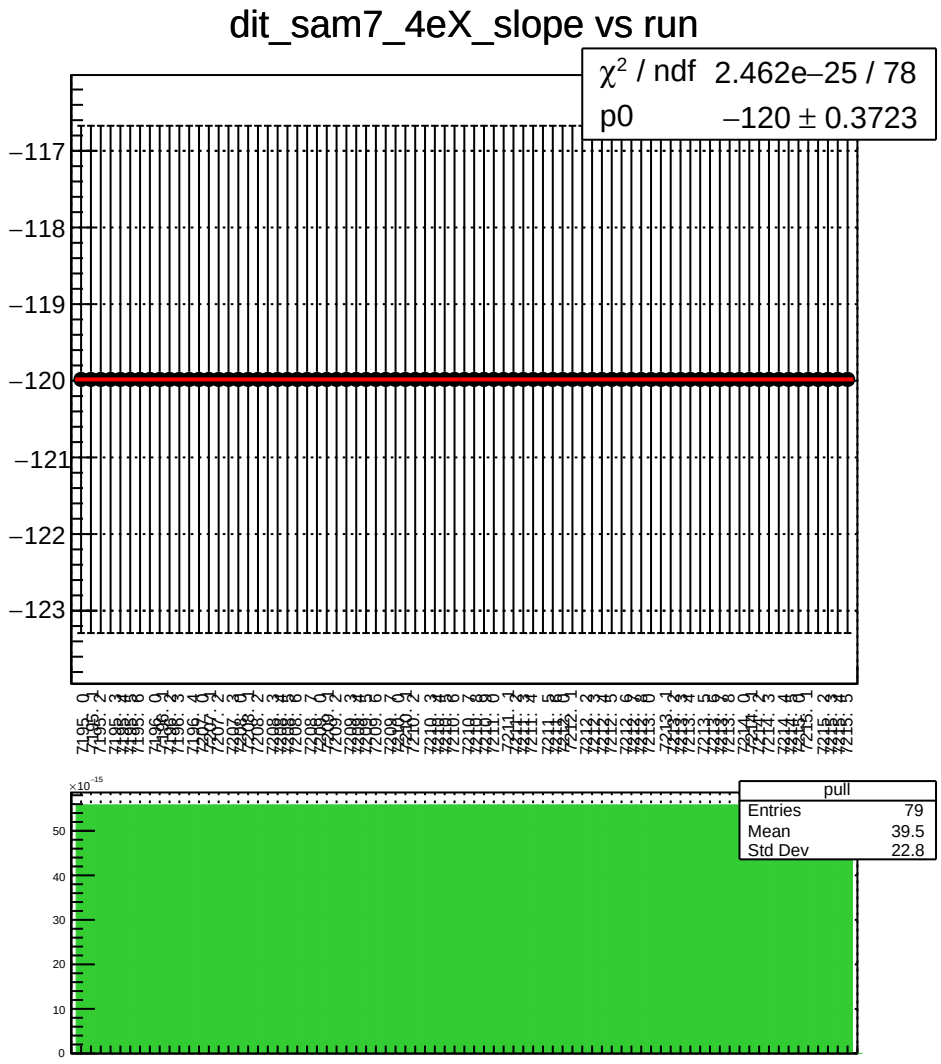

dit_sam6_4eY_slope vs run
χ^2 / ndf 2.944e−23 / 78
p0 117.1 ± 0.04191
117.5
117.4
117.3
117.2
117.1
117
116.9
116.8
116.7
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^-12
0.6
0.5
0.4
0.3
0.2
0.1
0

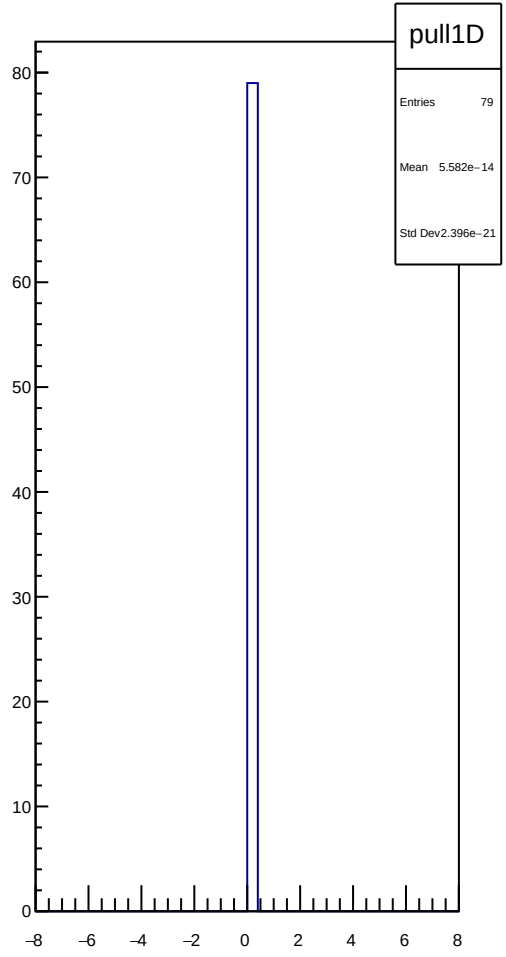

pull1D
Entries 79
Mean 6.104e−13
Std Dev 9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run

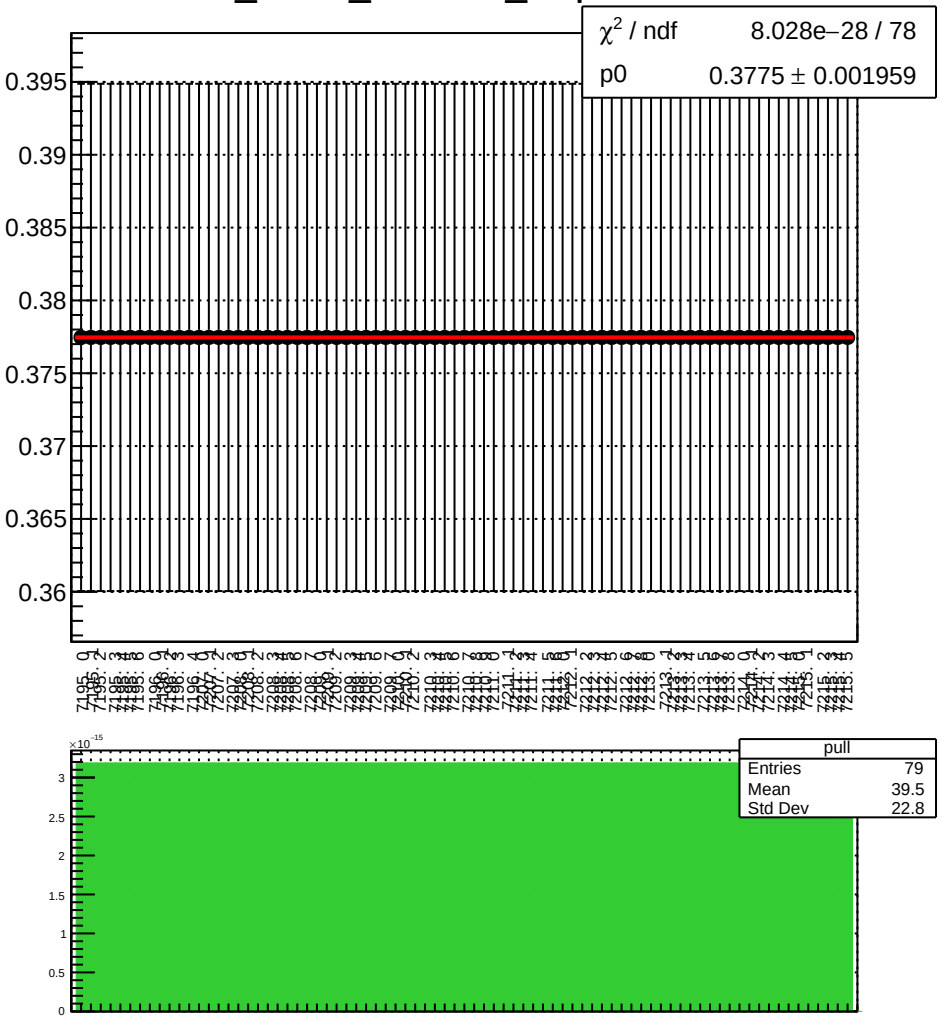


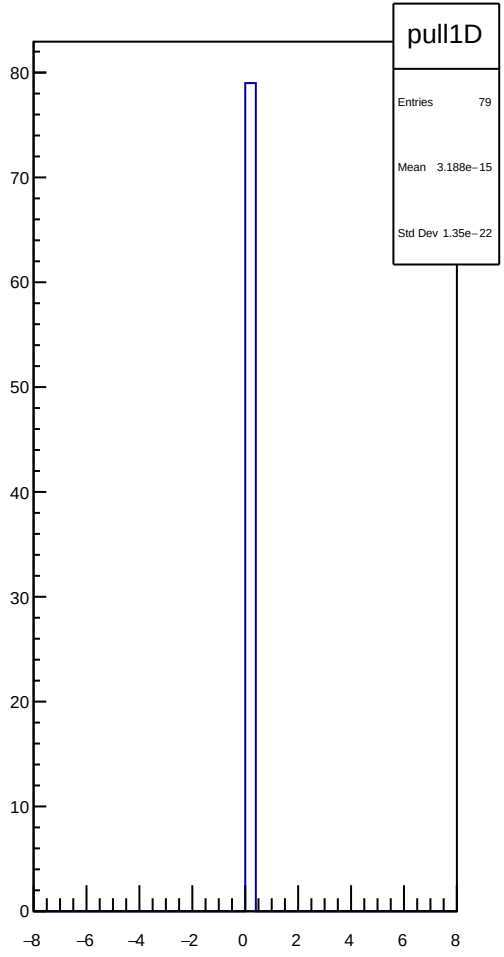


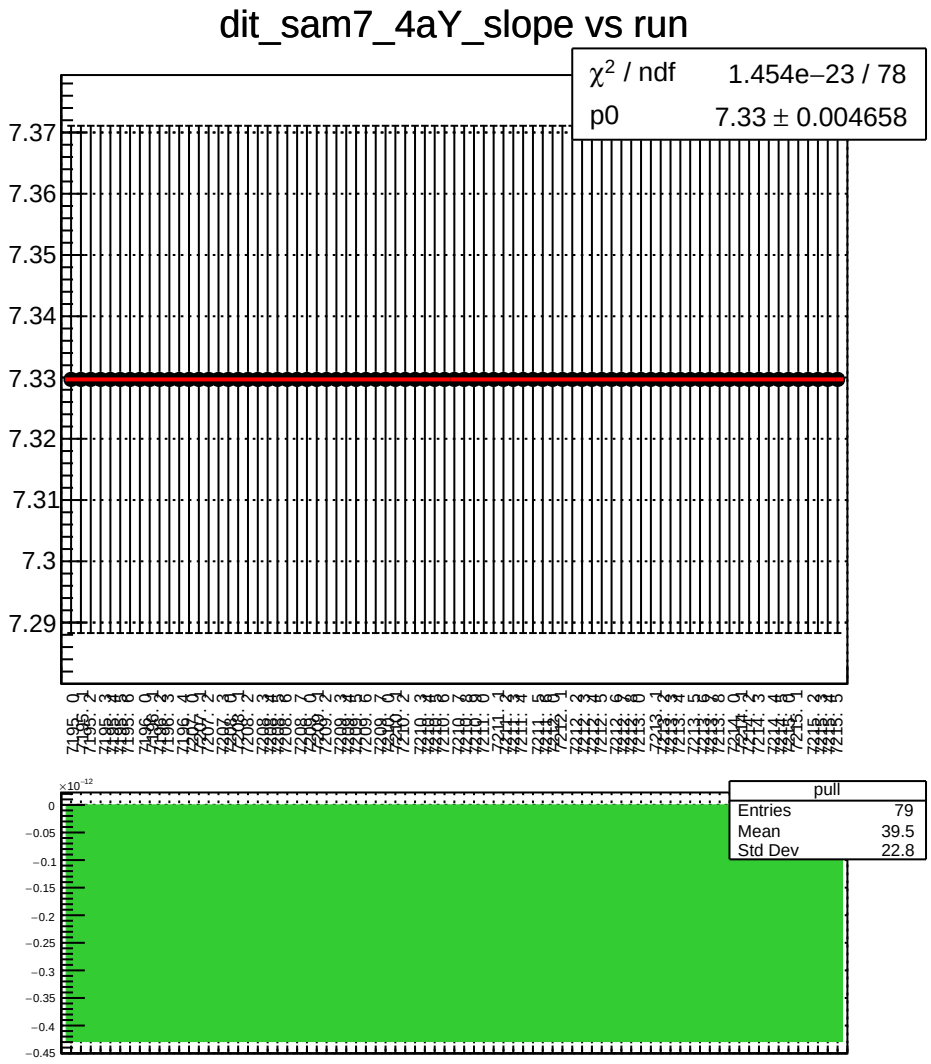

dit_sam7_4eX_slope vs run
χ^2 / ndf 2.462e−25 / 78
p0 −120 ± 0.3723
−117
−118
−119
−120
−121
−122
−123
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−15
50
40
30
20
10
0

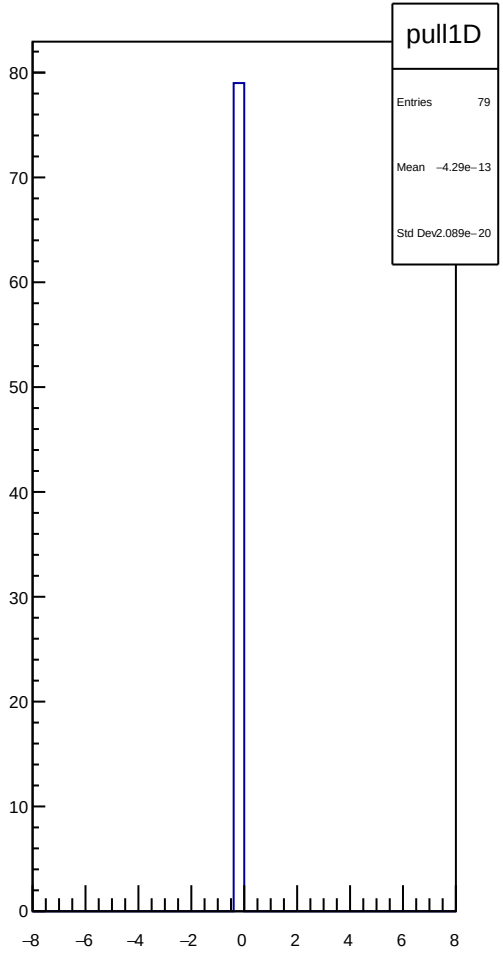

pull1D
Entries 79
Mean 5.582e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

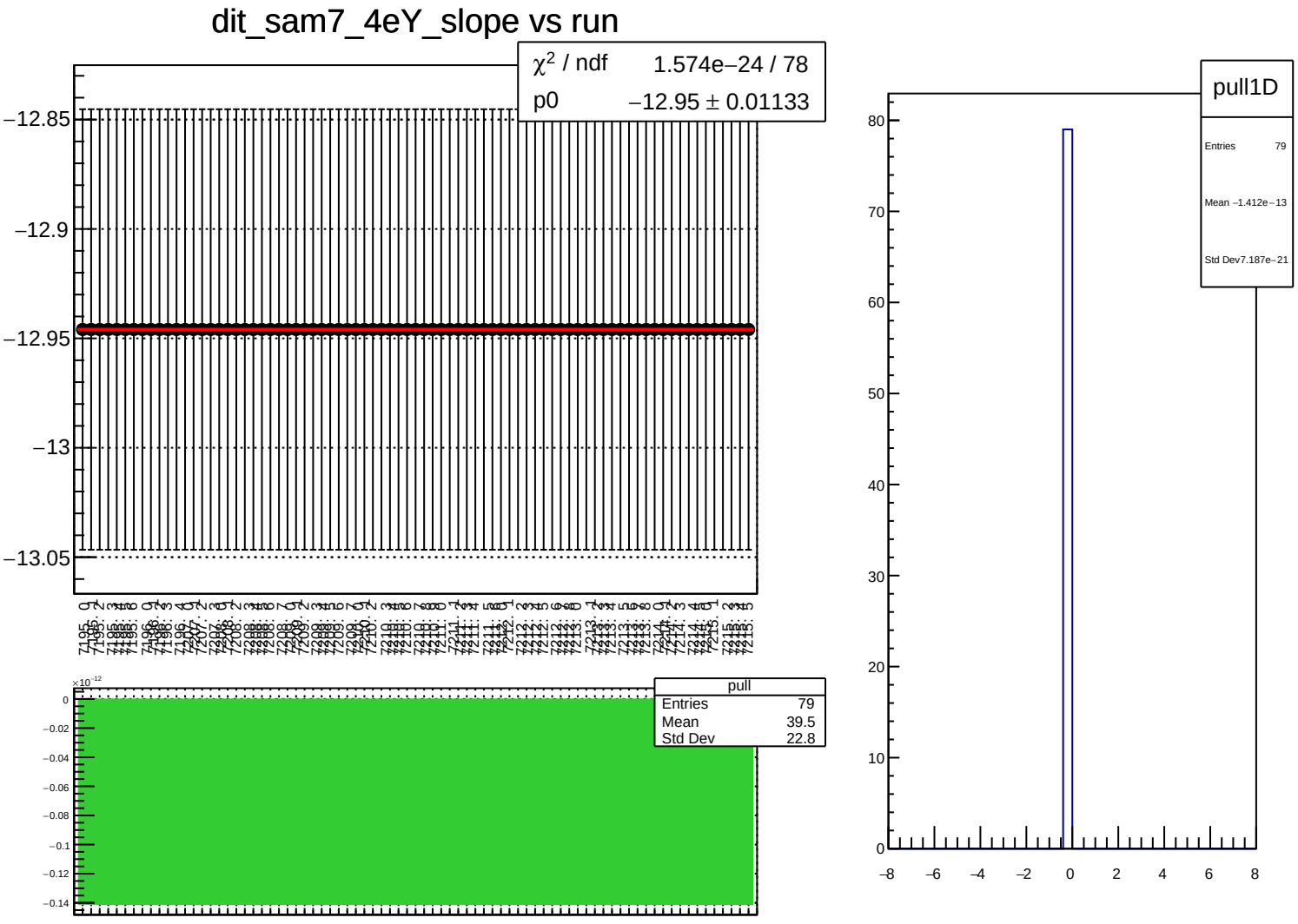
dit_sam7_11X12X_slope vs run

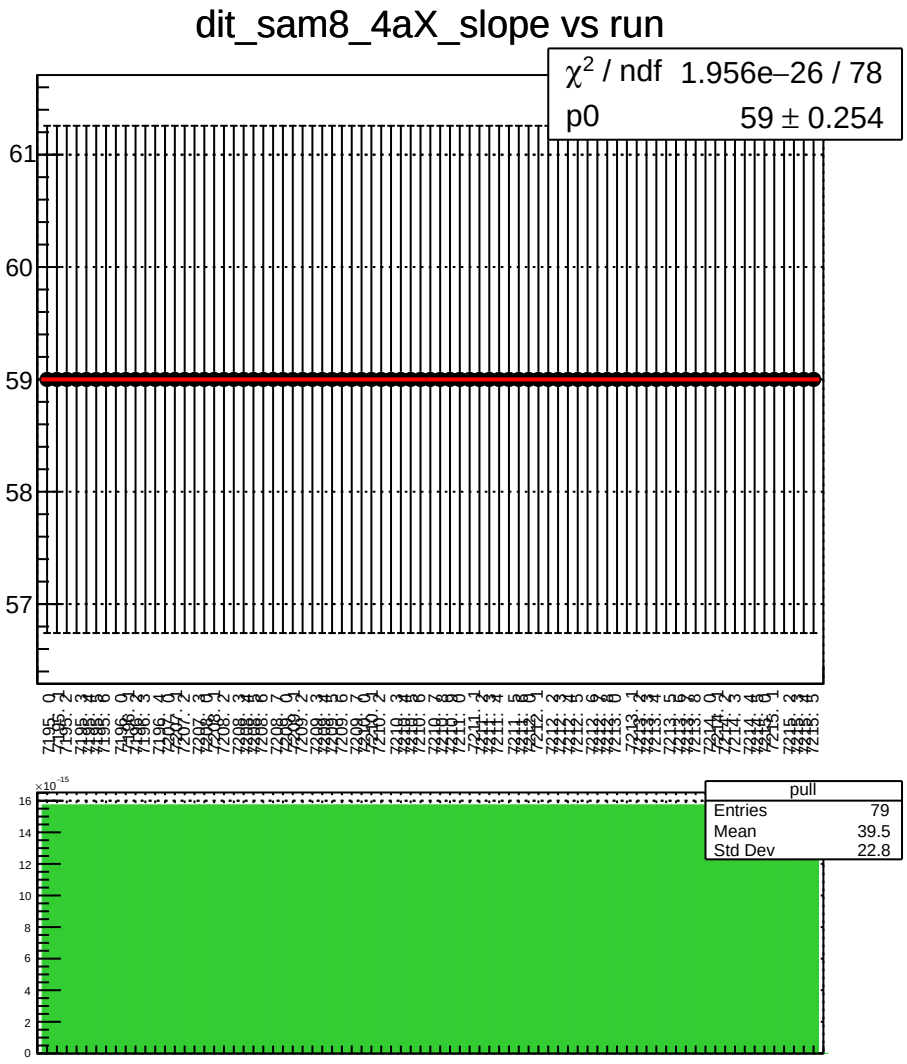


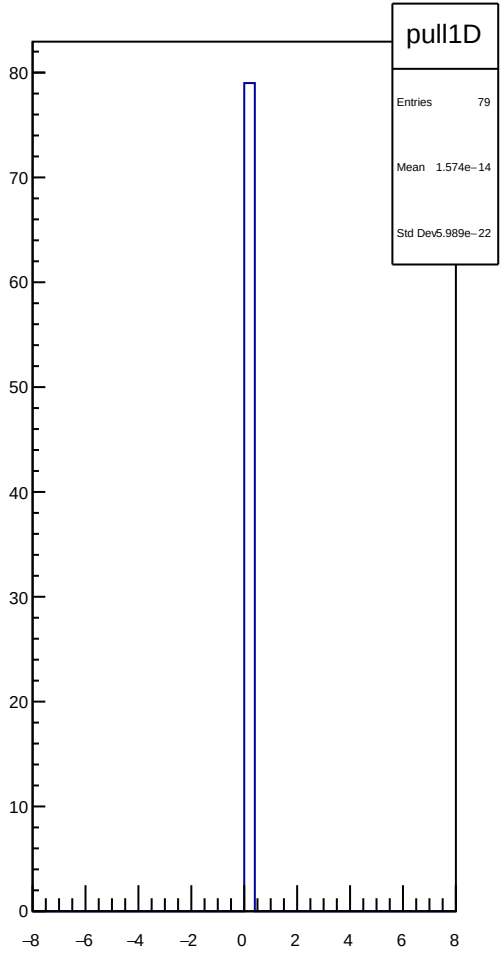



dit_sam7_4aY_slope vs run
χ^2 / ndf 1.454e−23 / 78
p0 7.33 ± 0.004658
7.37
7.36
7.35
7.34
7.33
7.32
7.31
7.3
7.29
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^-12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45

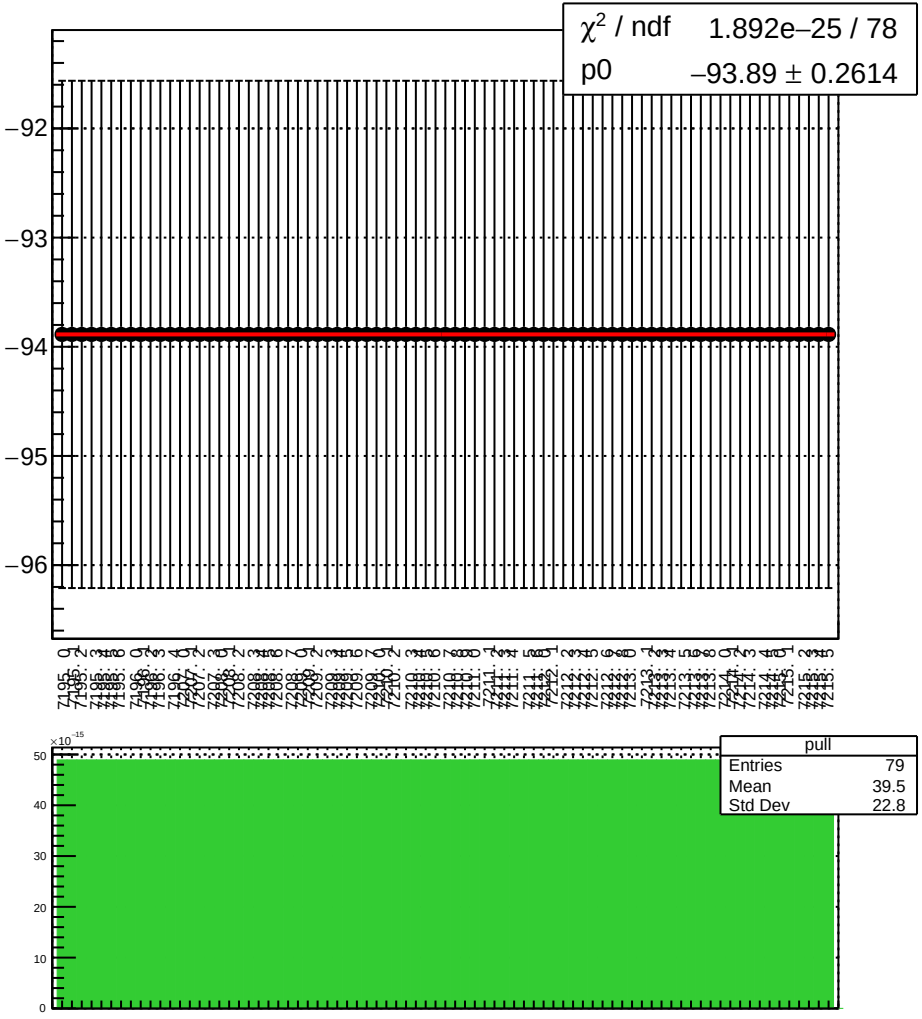

pull1D
Entries 79
Mean −4.29e−13
Std Dev 2.089e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

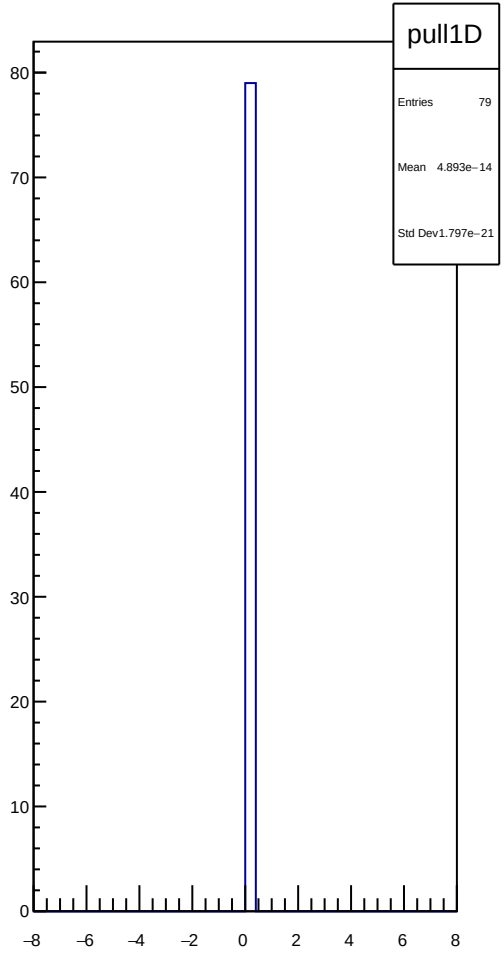

dit_sam7_4eY_slope vs run
χ² / ndf 1.574e−24 / 78
p0 −12.95 ± 0.01133
−12.85
−12.9
−12.95
−13
−13.05
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 79
Mean −1.412e−13
Std Dev 7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aX_slope vs run
χ^2 / ndf 1.956e−26 / 78
p0 59 ± 0.254
61
60
59
58
57
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^-15
16
14
12
10
8
6
4
2
0

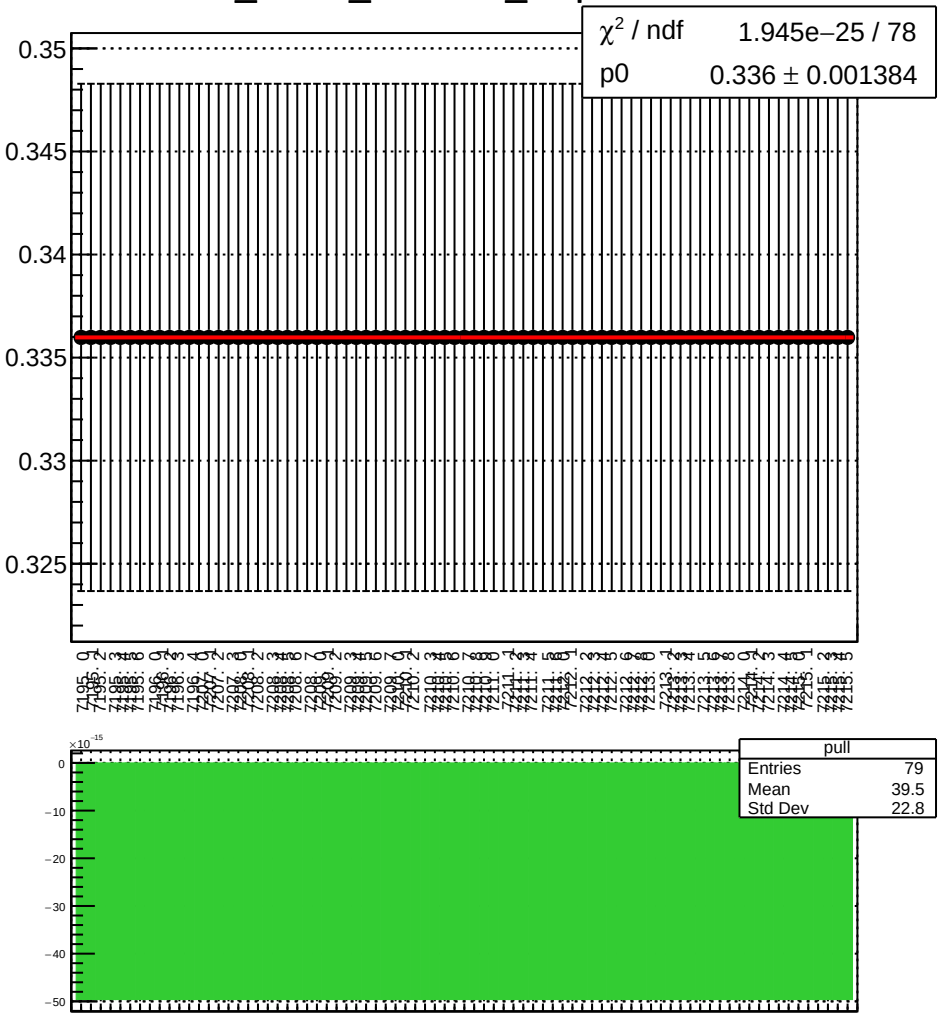

pull1D
Entries 79
Mean 1.574e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

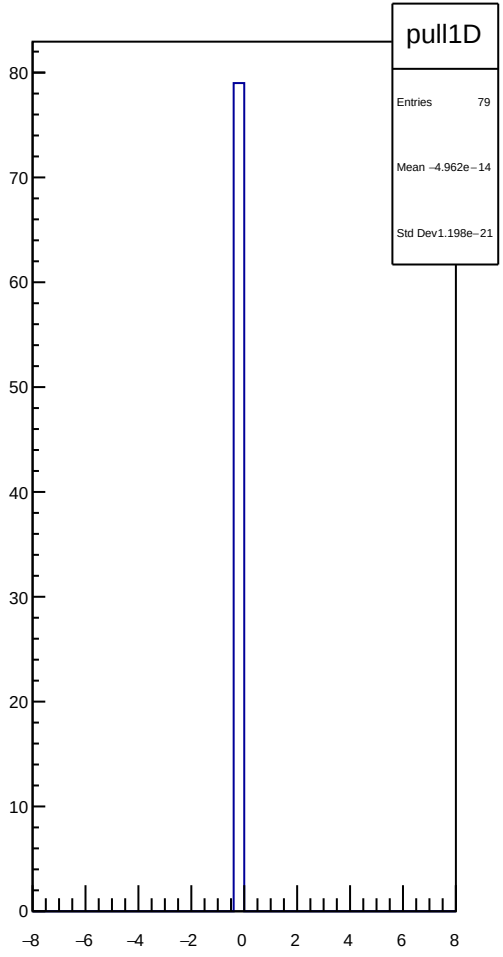
dit_sam8_4eX_slope vs run

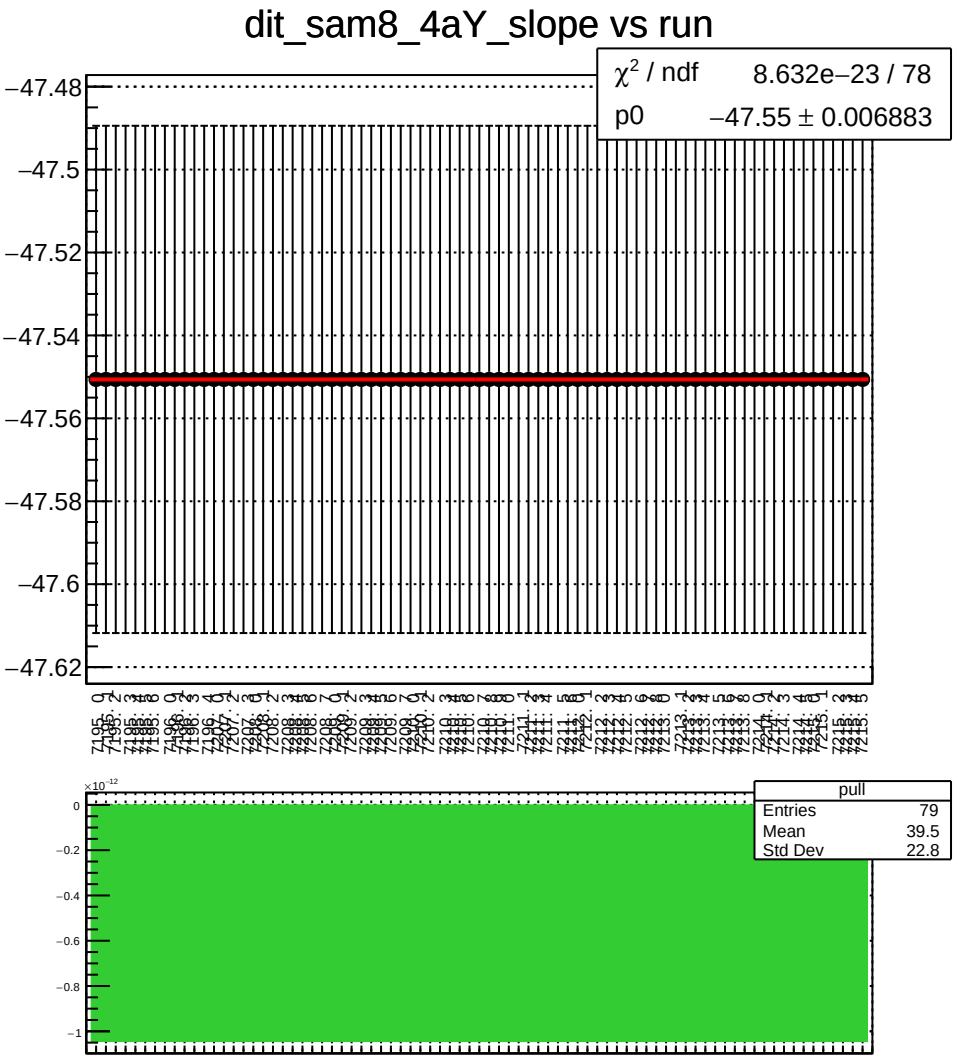


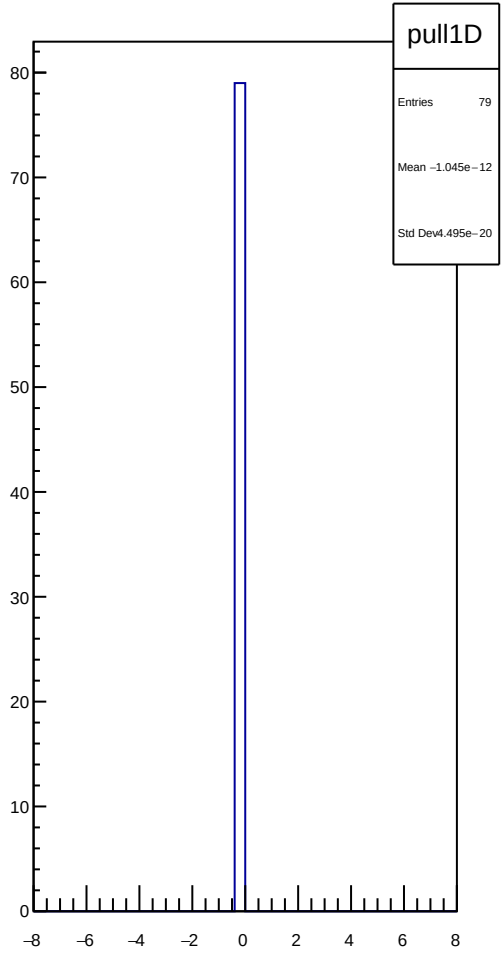


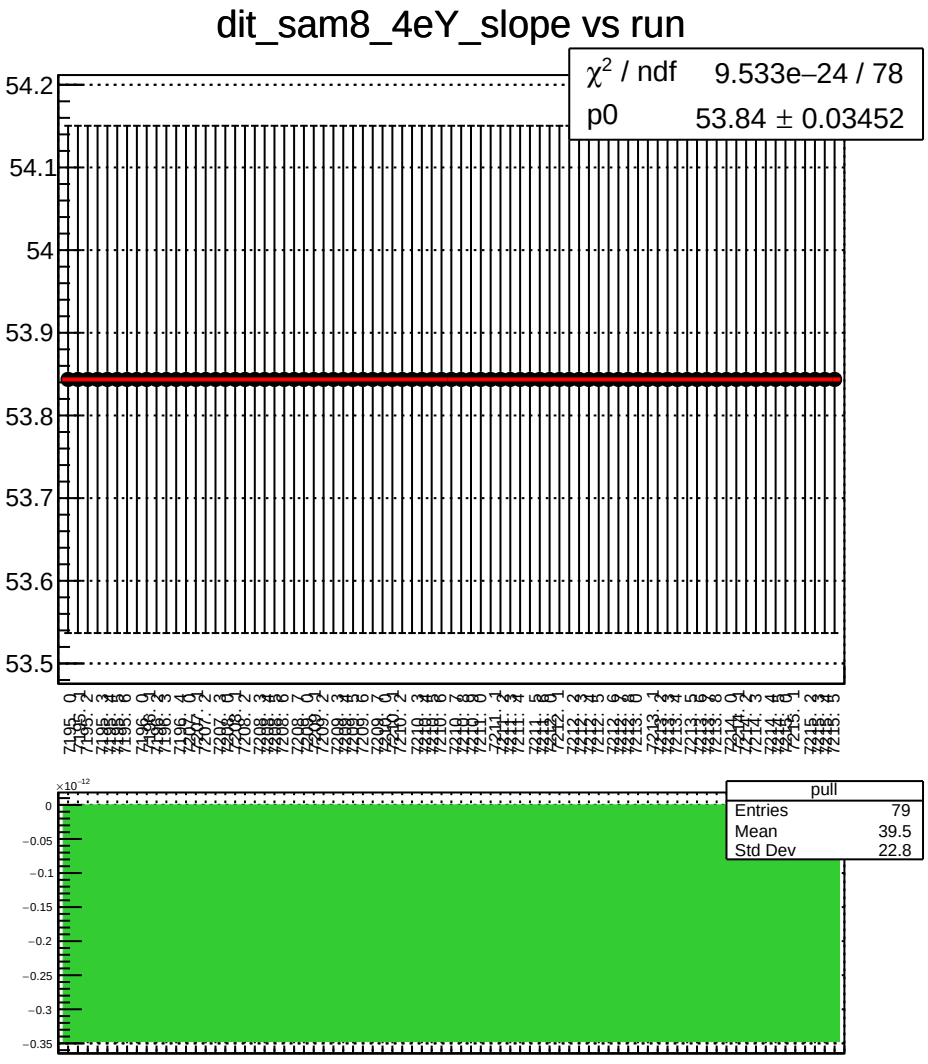
dit_sam8_11X12X_slope vs run

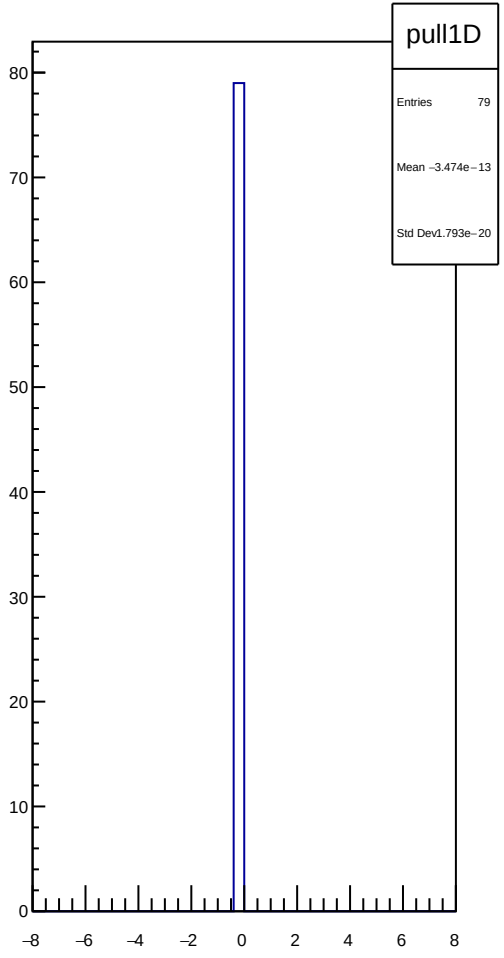


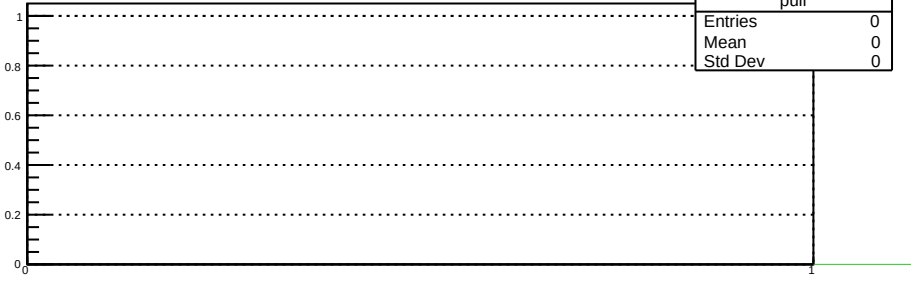


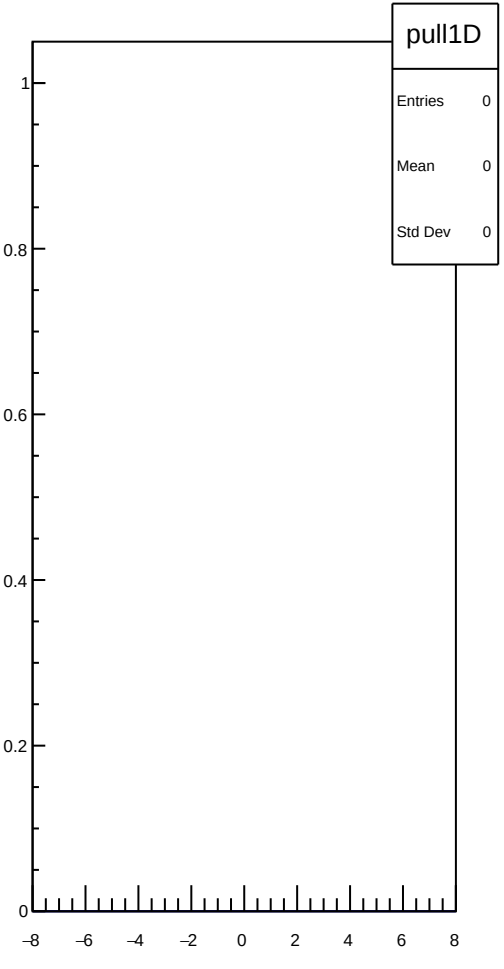

dit_sam8_4aY_slope vs run
χ^2 / ndf 8.632e−23 / 78
p0 −47.55 ± 0.006883
−47.48
−47.5
−47.52
−47.54
−47.56
−47.58
−47.6
−47.62
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−12
0
−0.2
−0.4
−0.6
−0.8
−1

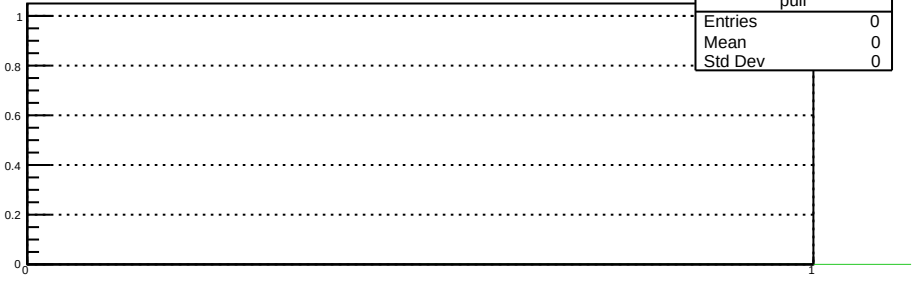

pull1D
Entries 79
Mean −1.045e−12
Std Dev4.495e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

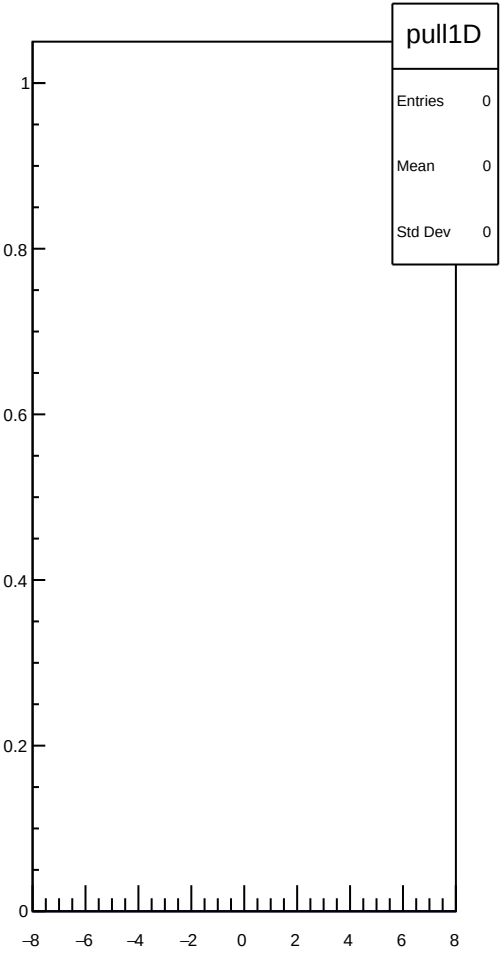

dit_sam8_4eY_slope vs run
χ^2 / ndf 9.533e−24 / 78
p0 53.84 ± 0.03452
54.2
54.1
54
53.9
53.8
53.7
53.6
53.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35


pull1D
Entries 79
Mean −3.474e−13
Std Dev 1.793e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


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


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


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


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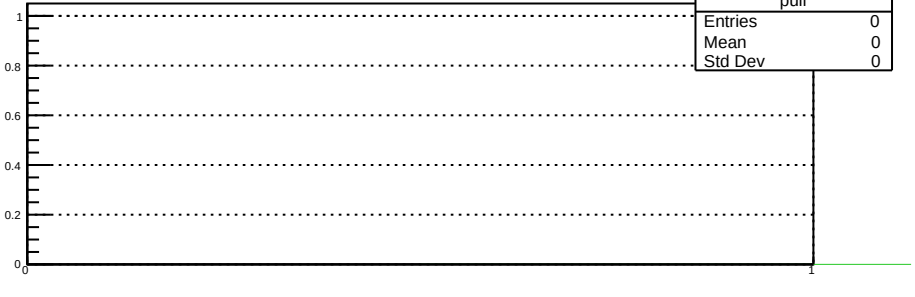
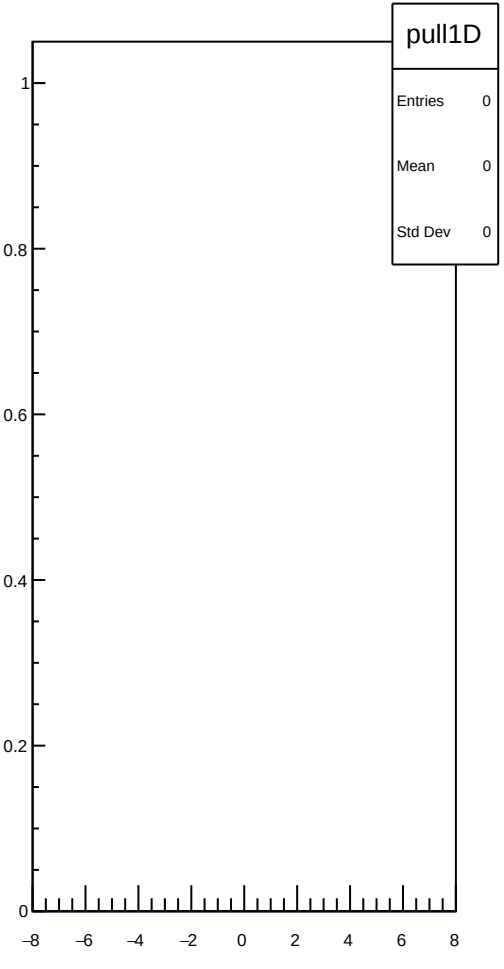
2
4
6
8


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


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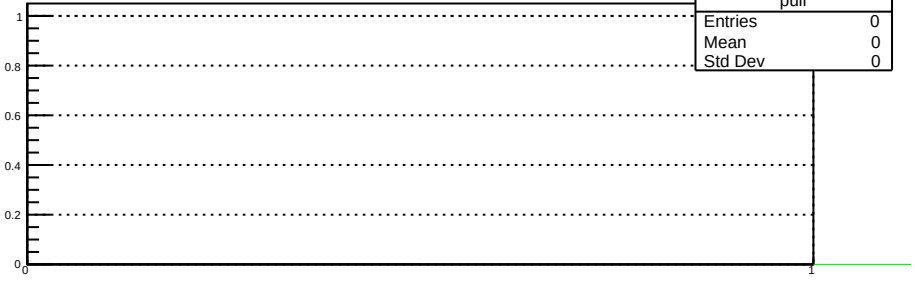
2
4
6
8


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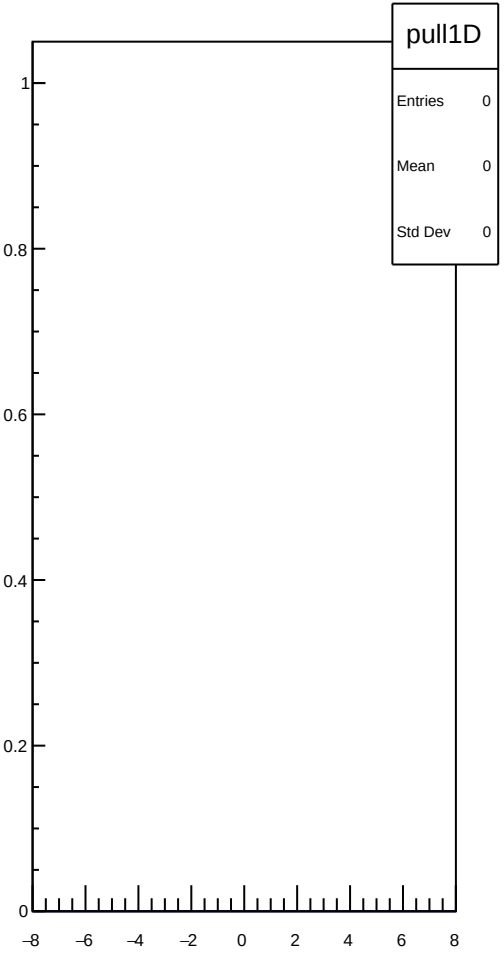
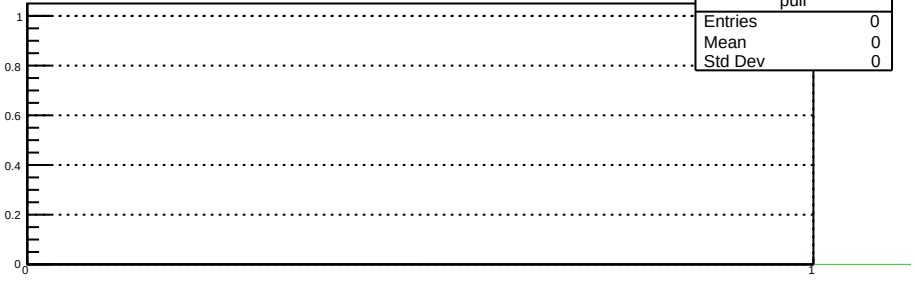
0.6
0.4
0.2
0
0
1


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


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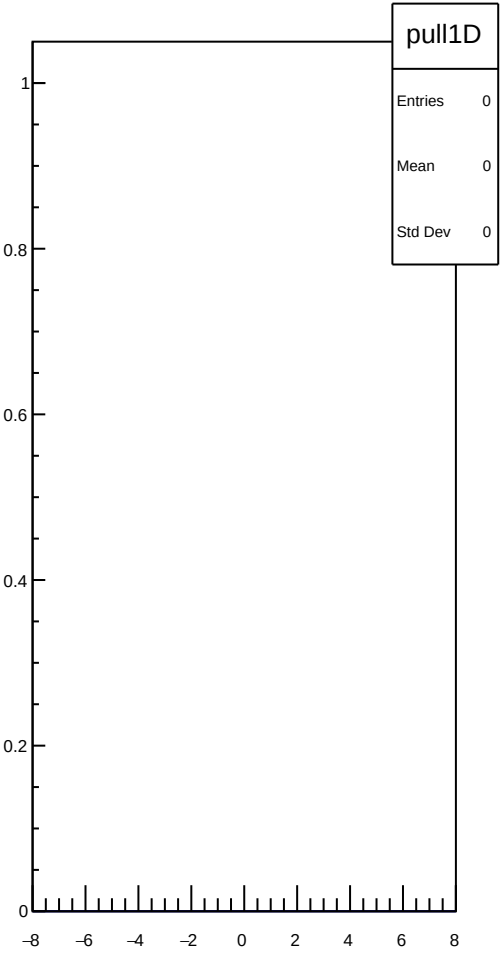
0.6
0.4
0.2
0
0
1


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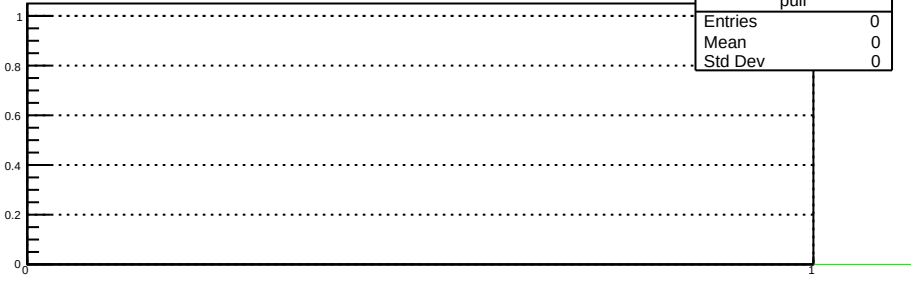
2
4
6
8


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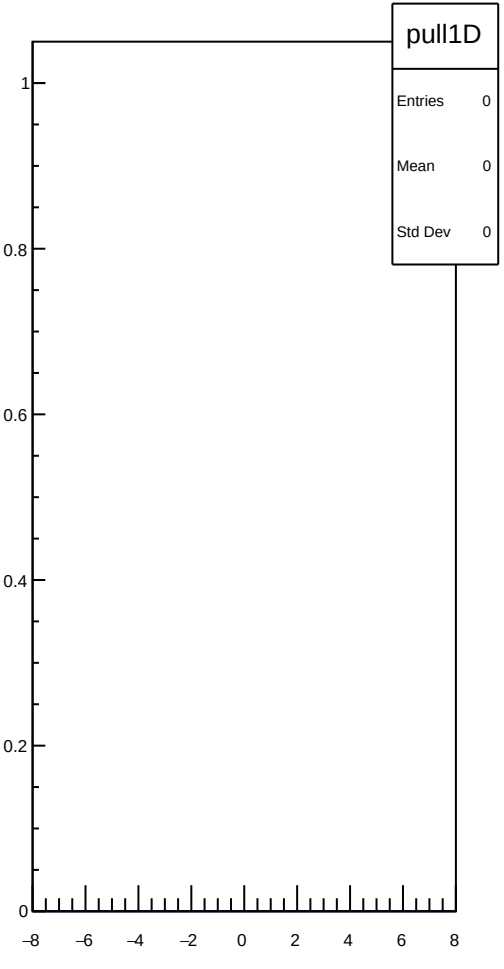
0
1


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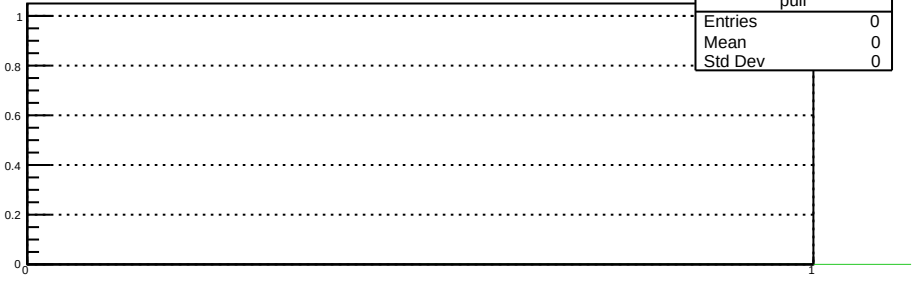
2
4
6
8


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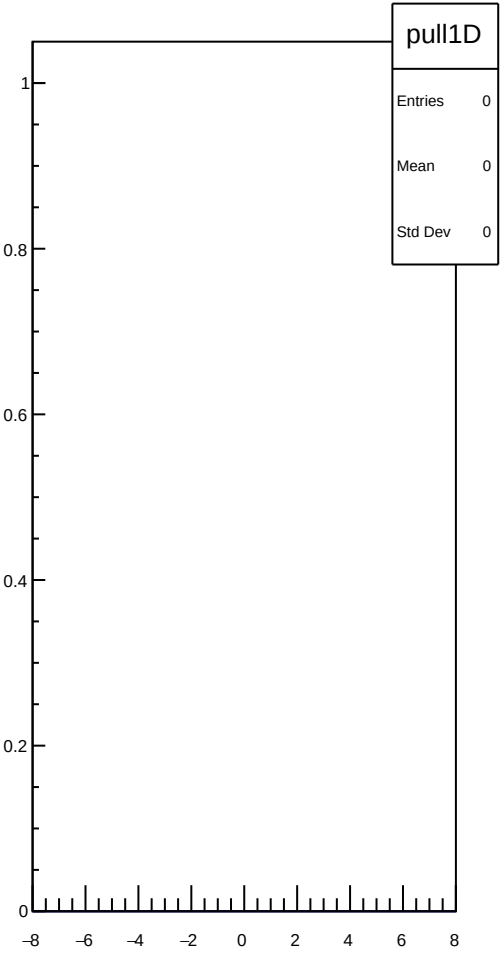
0
1


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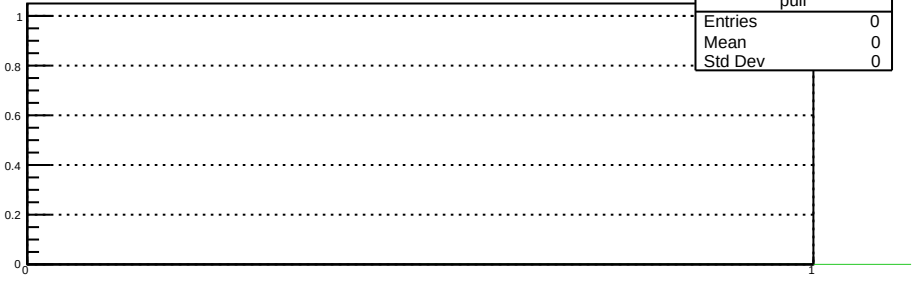
2
4
6
8


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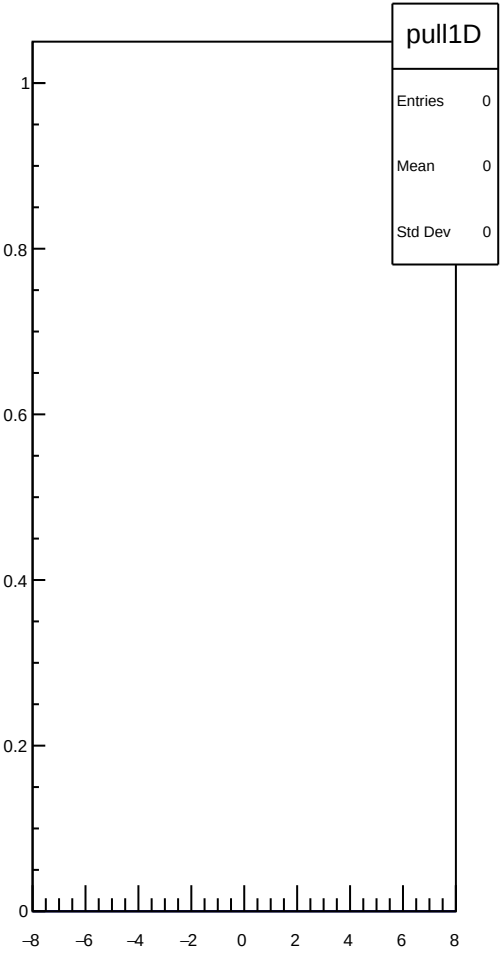
pull1D
Entries 0
Mean 0
Std Dev 0
1
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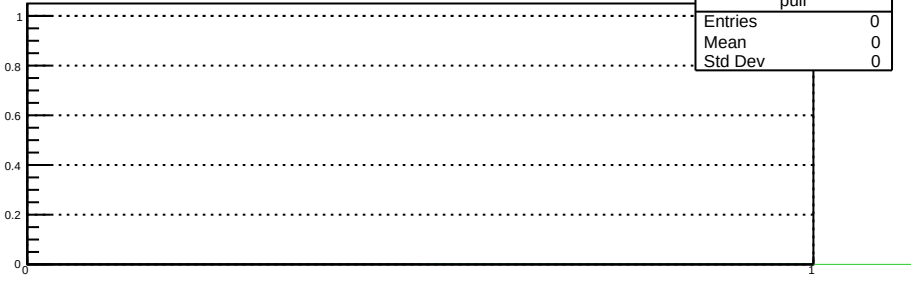
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


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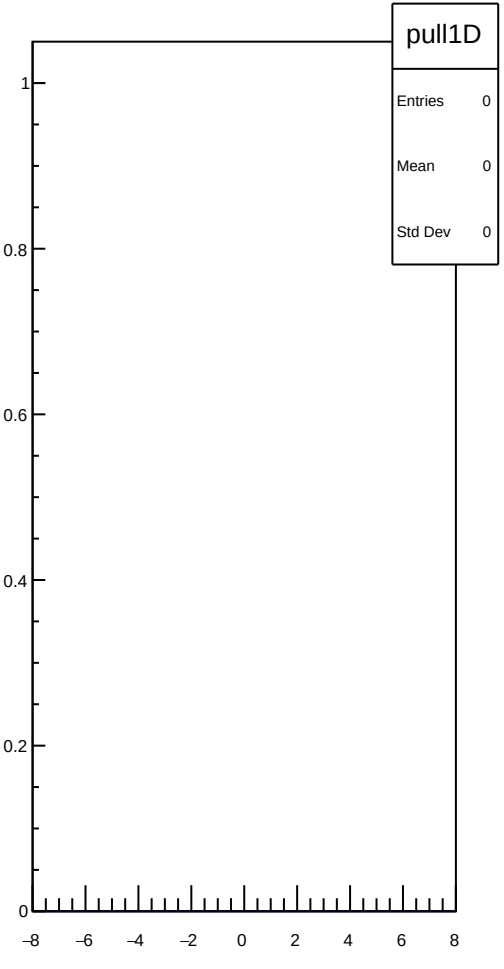
pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
−8
−6
−4
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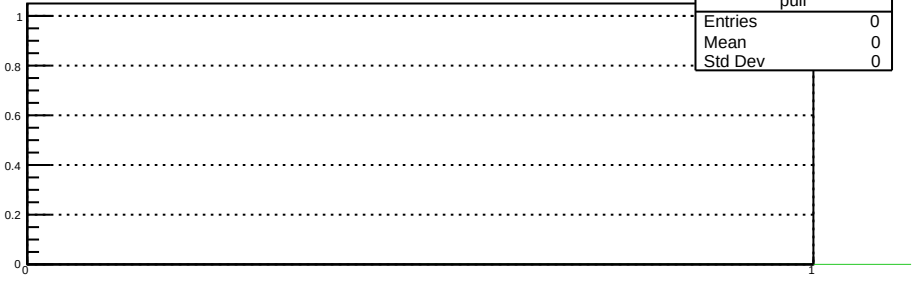
0
2
4
6
8


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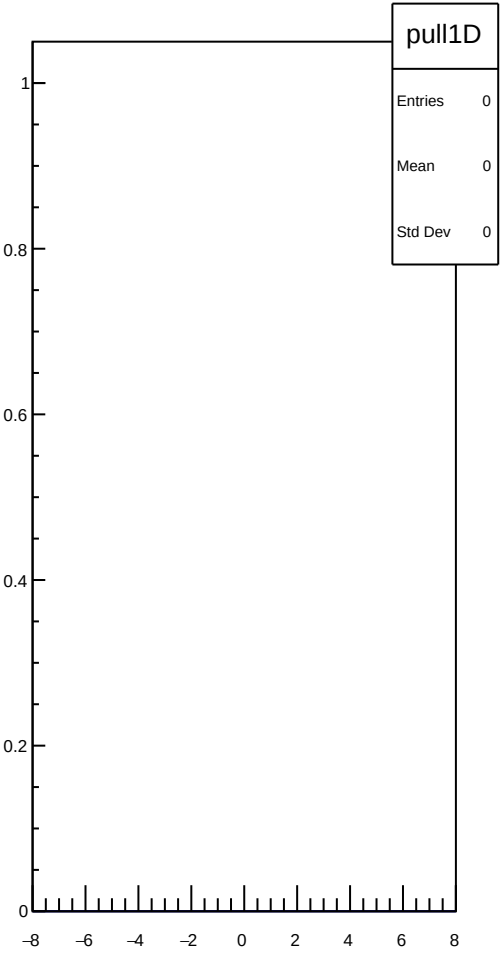
0.6
0.4
0.2
0
0
1


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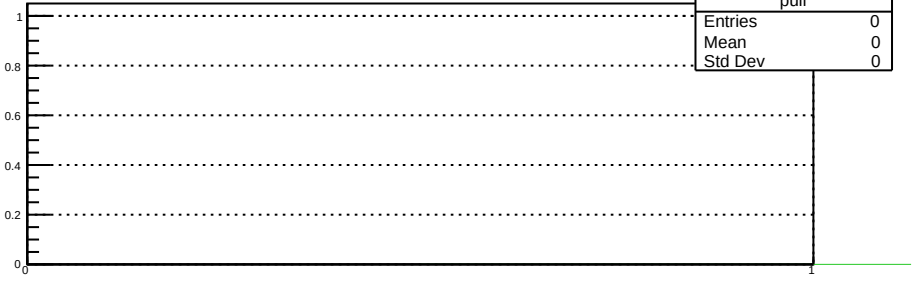
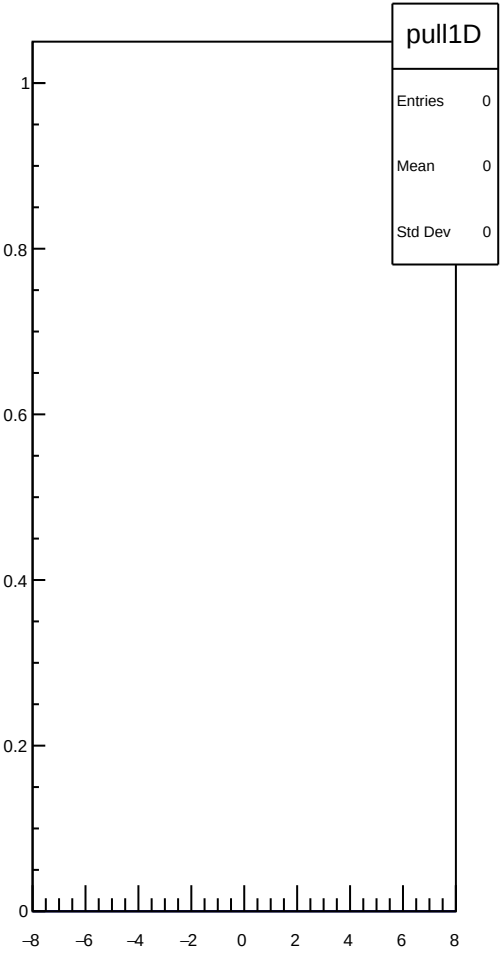
2
4
6
8


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


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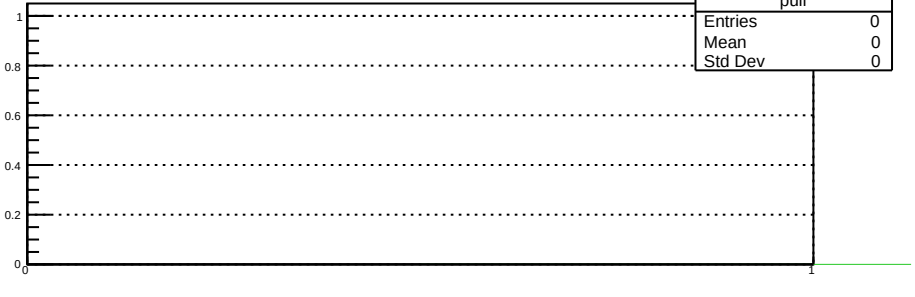
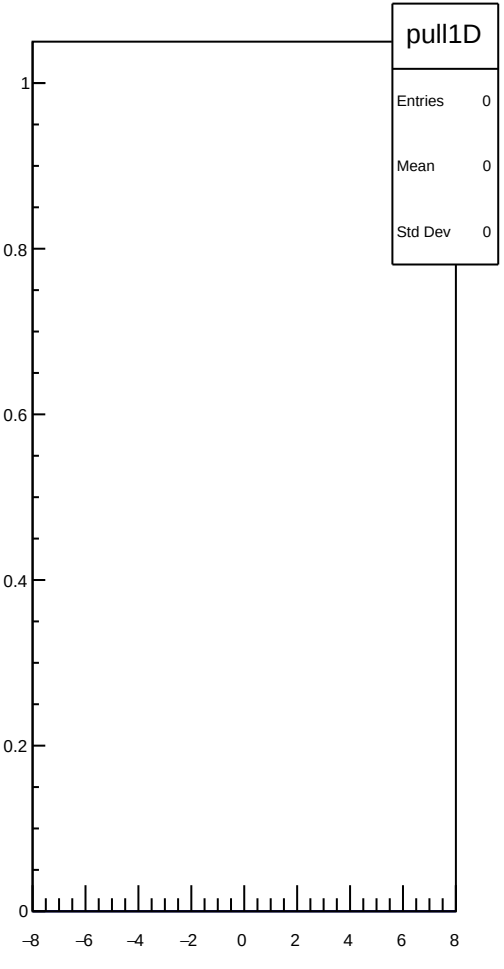
2
4
6
8


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


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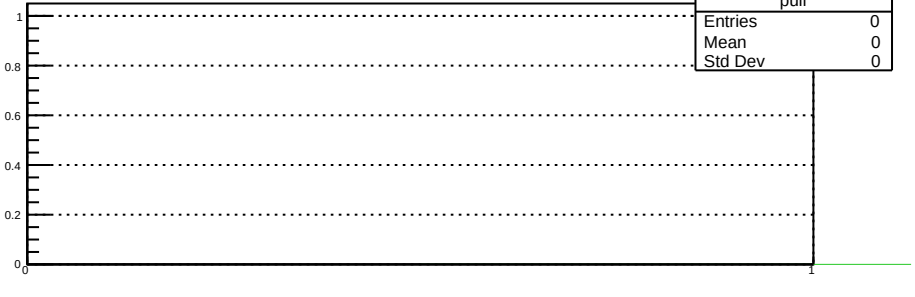
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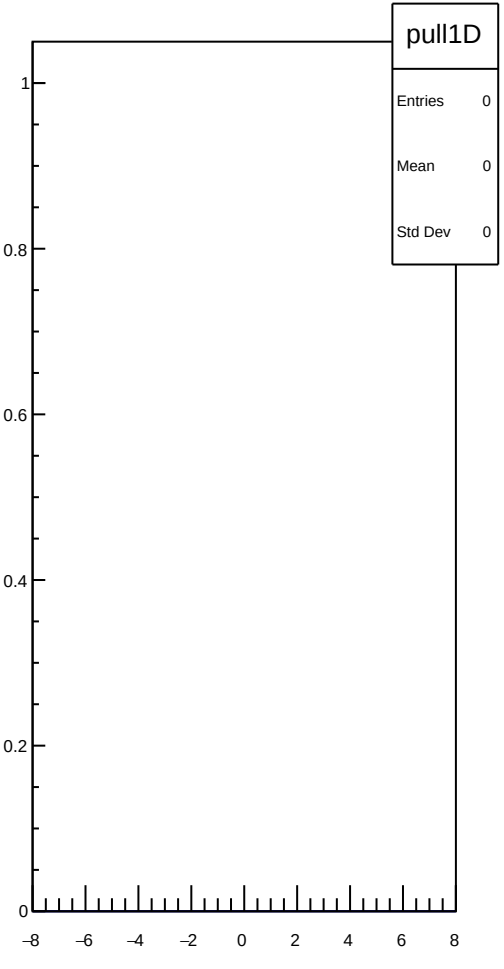
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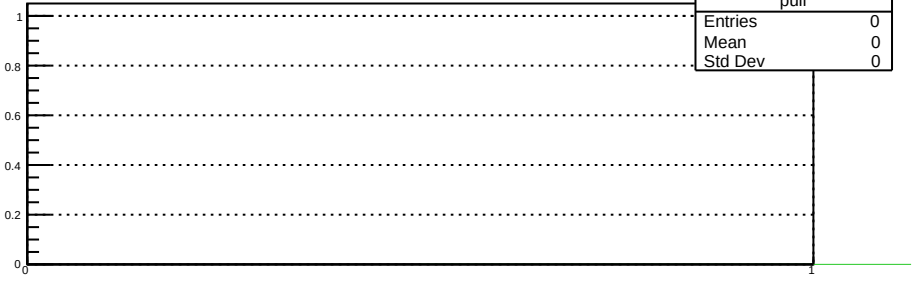
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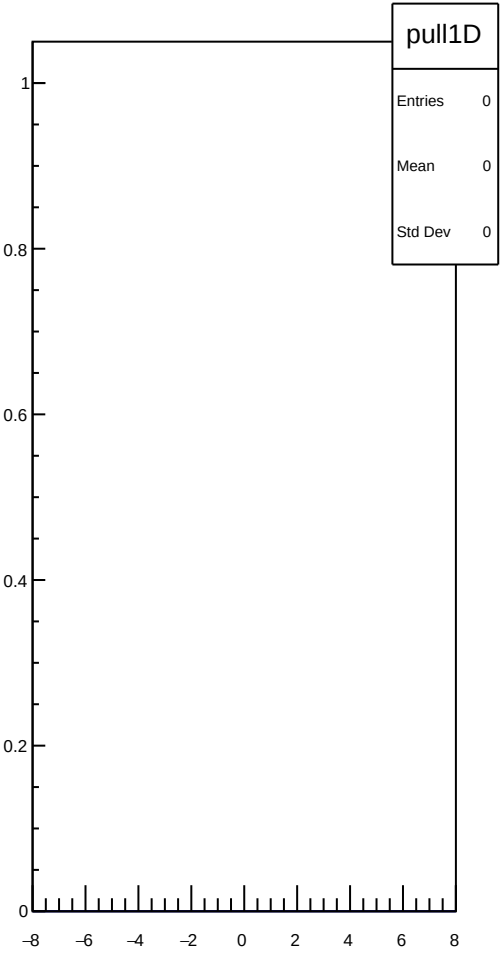
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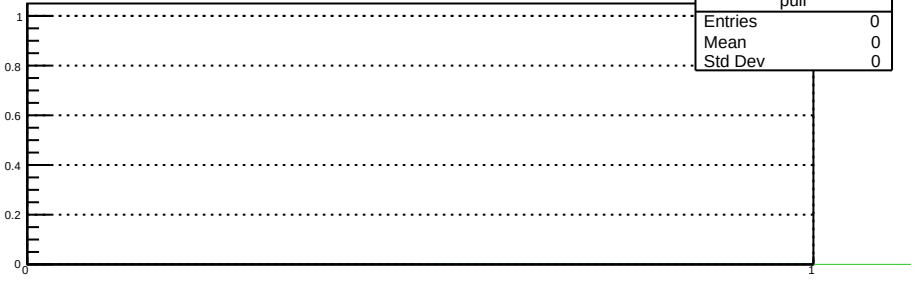
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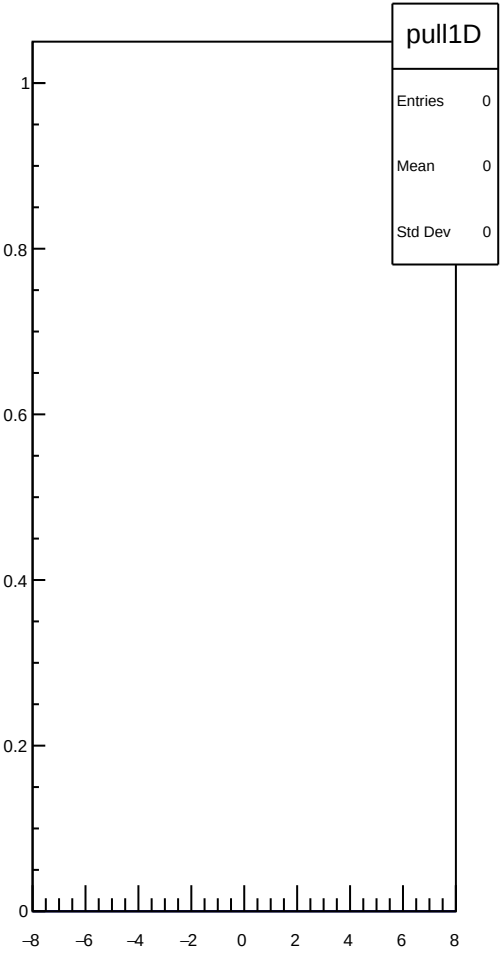
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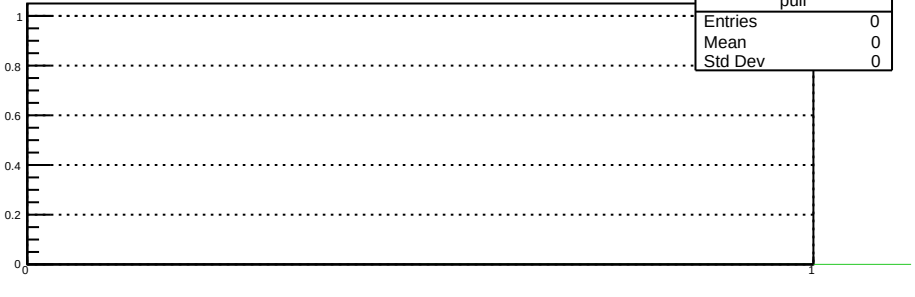
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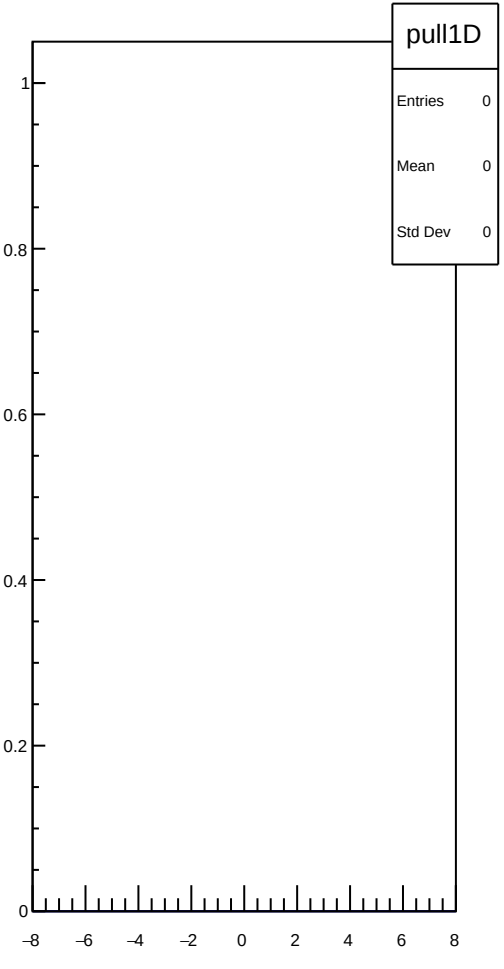
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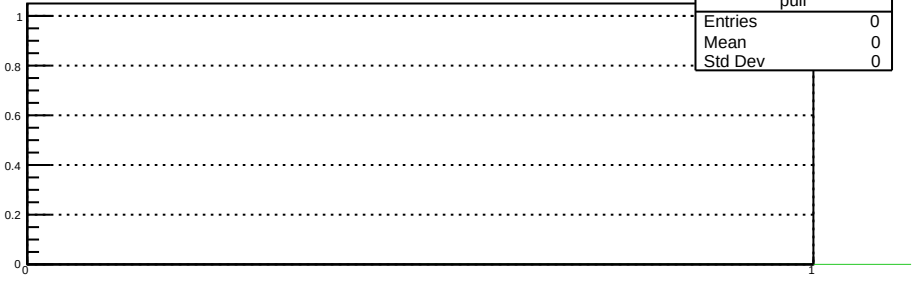
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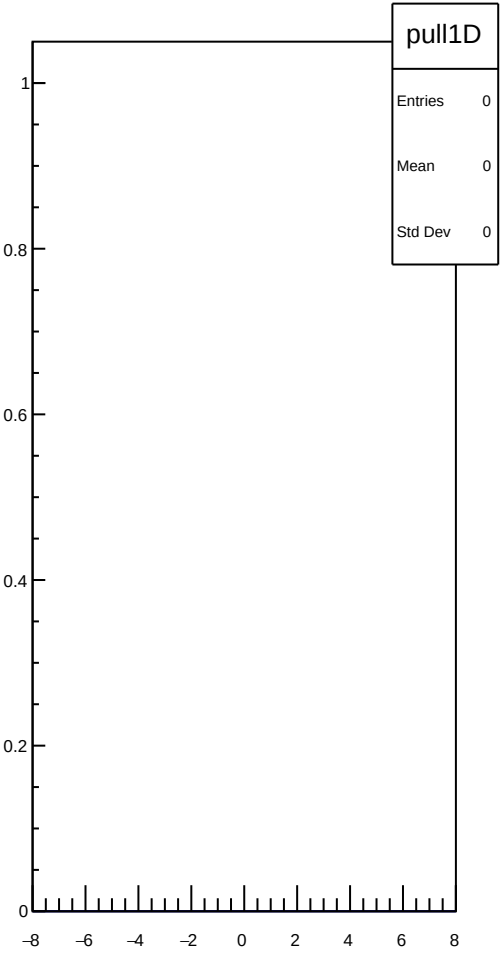
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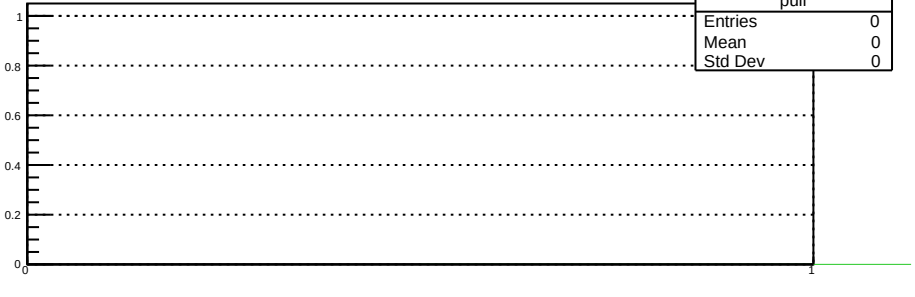
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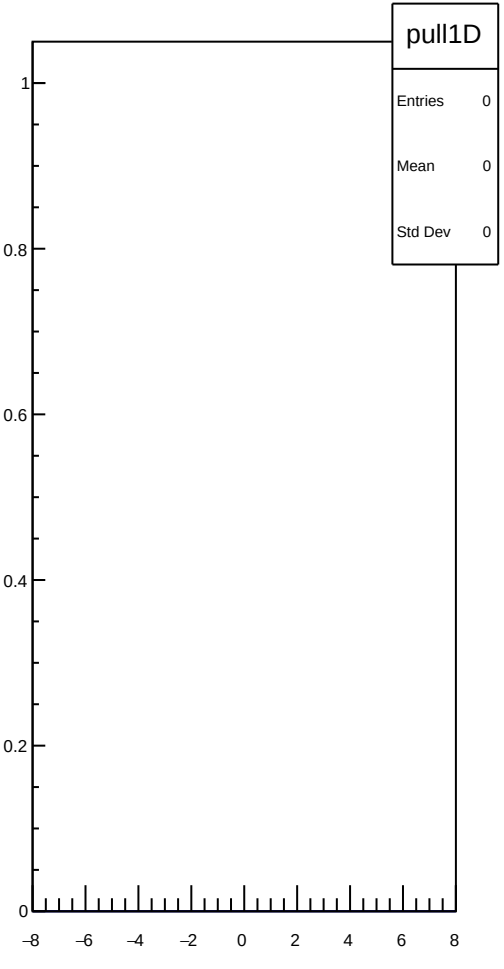
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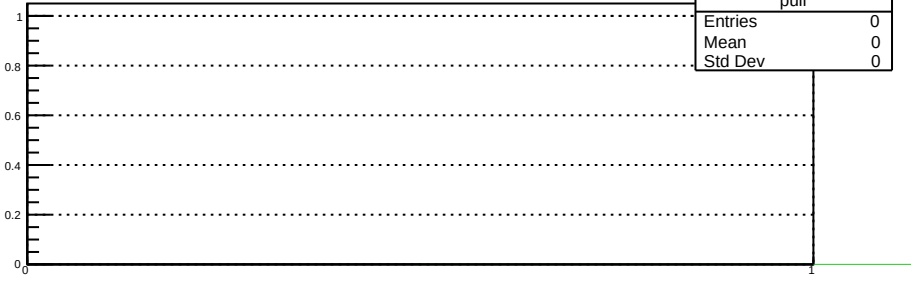
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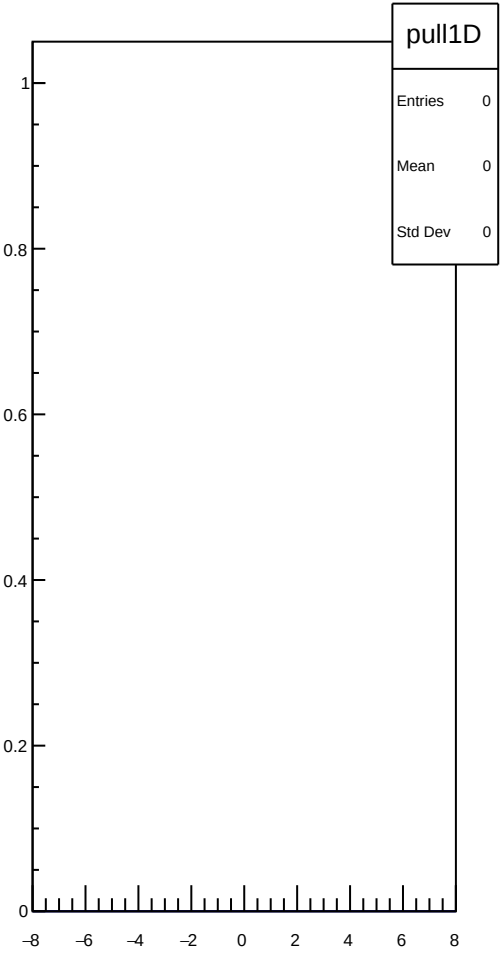
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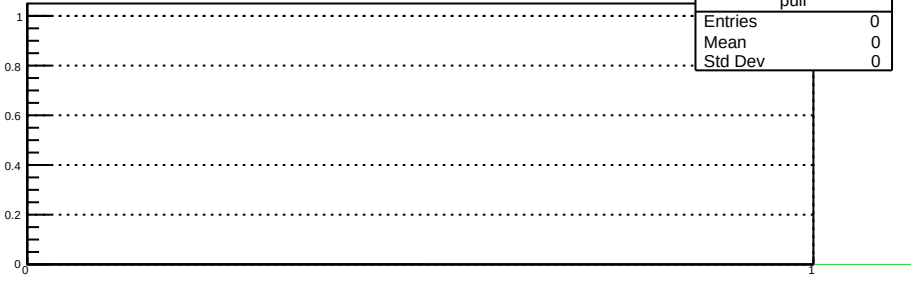
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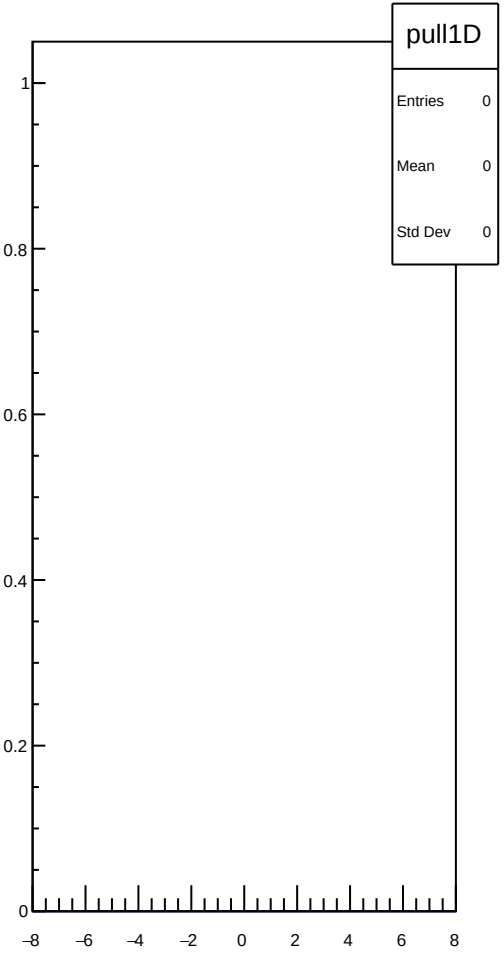
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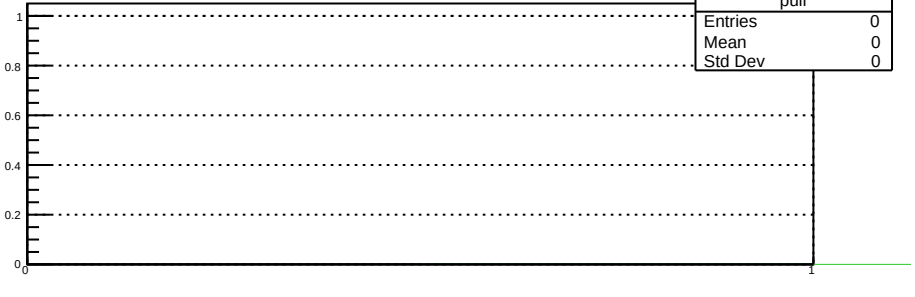
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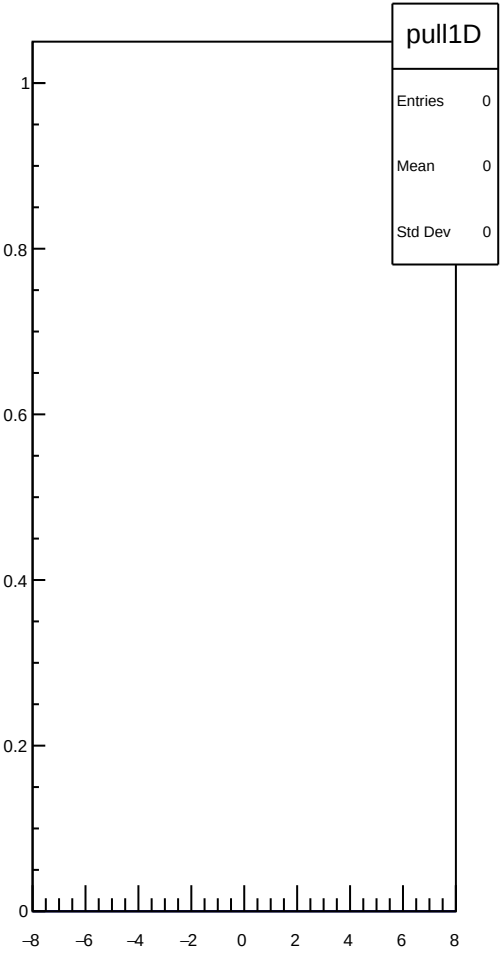
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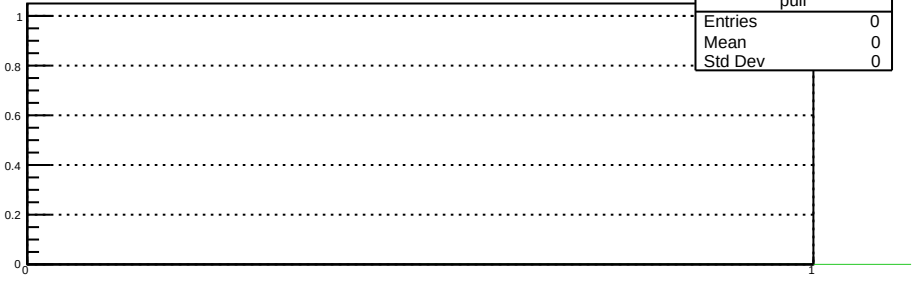
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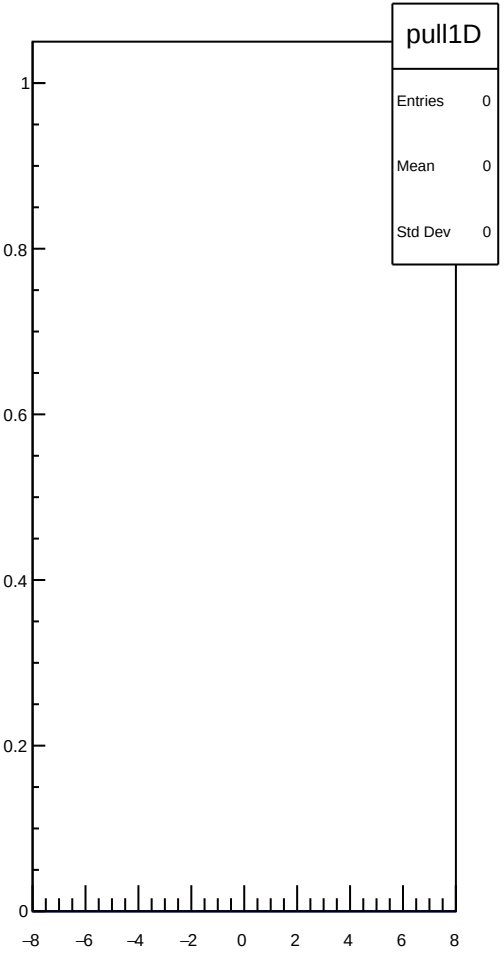
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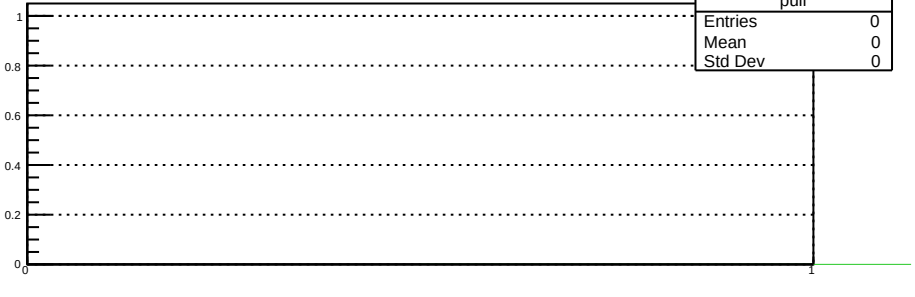
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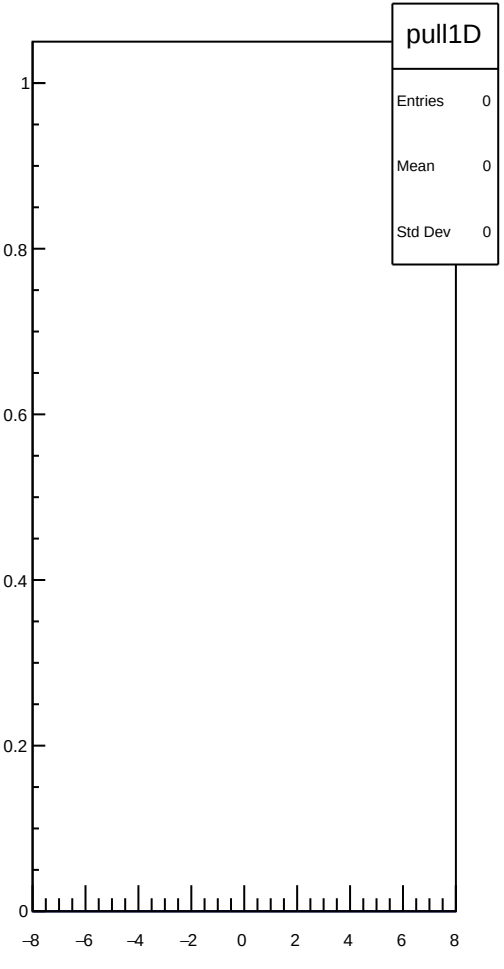
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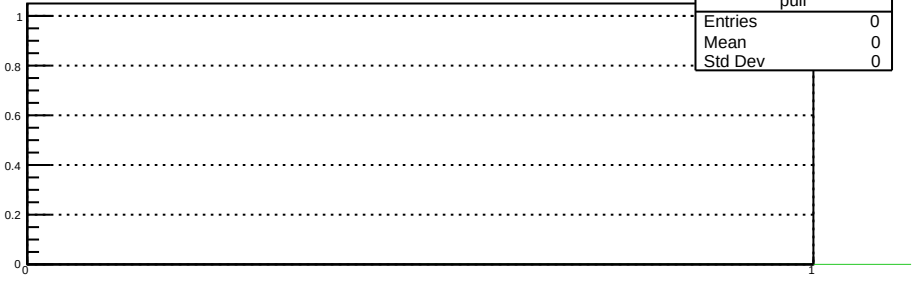
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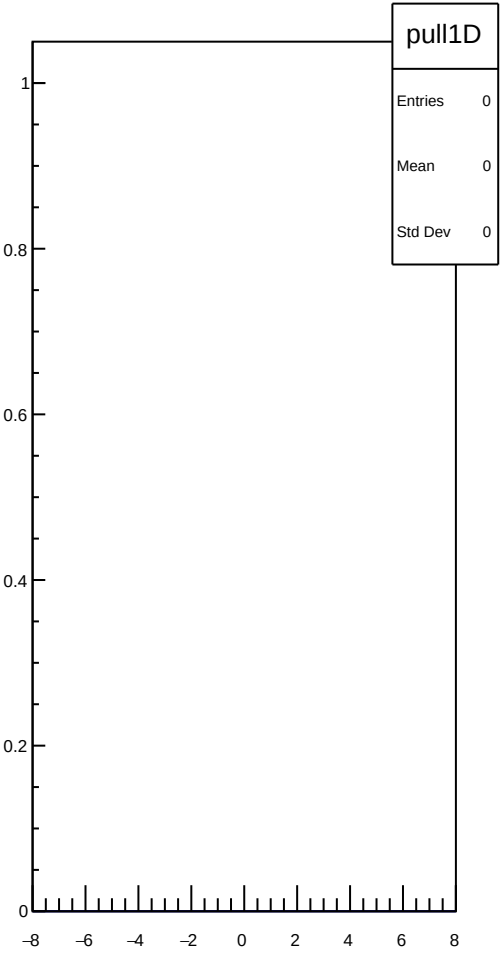
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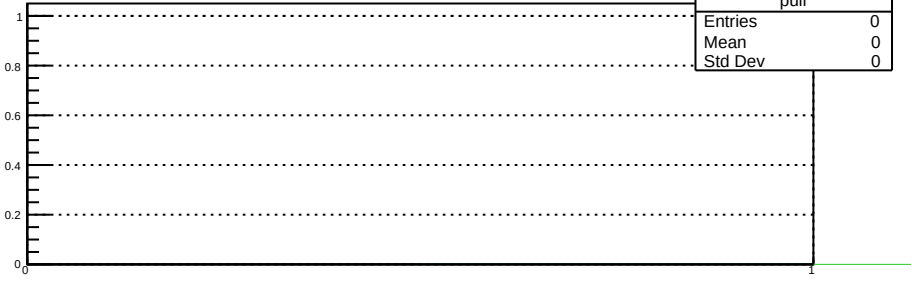
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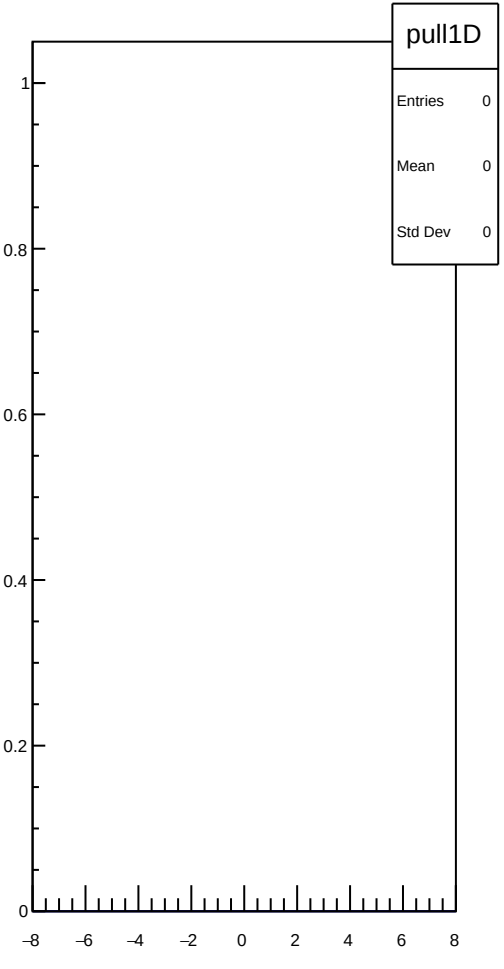
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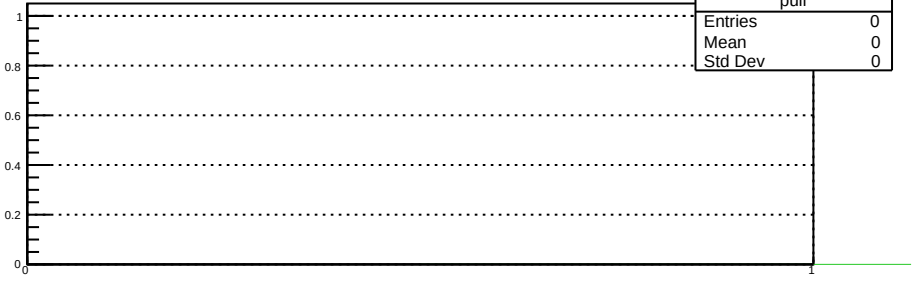
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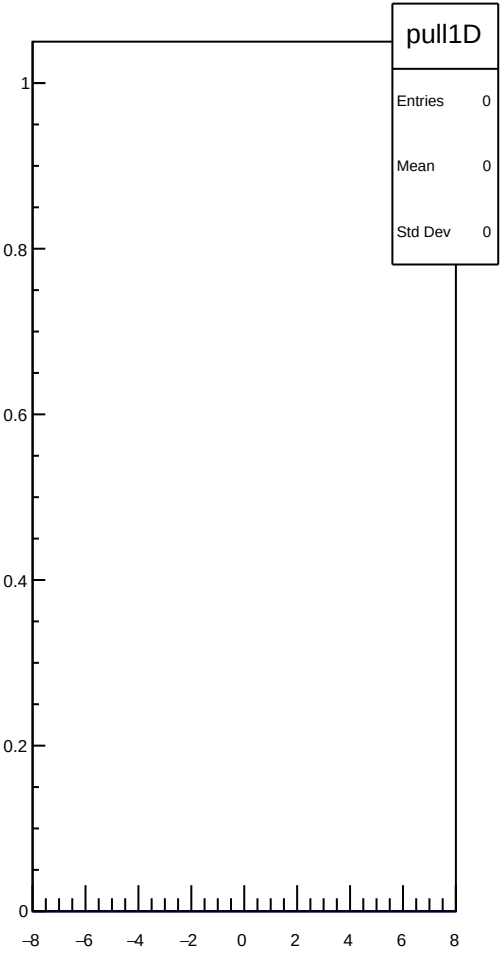
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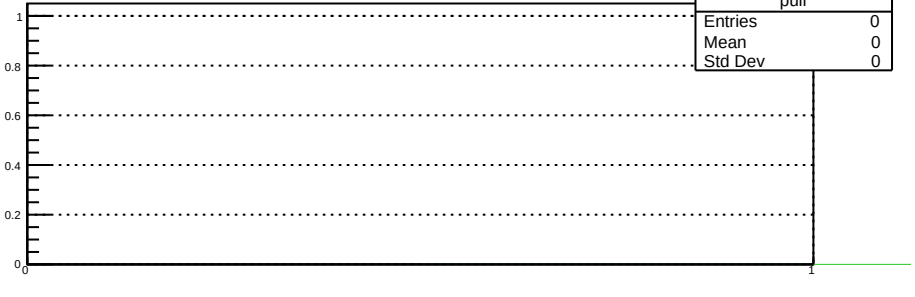
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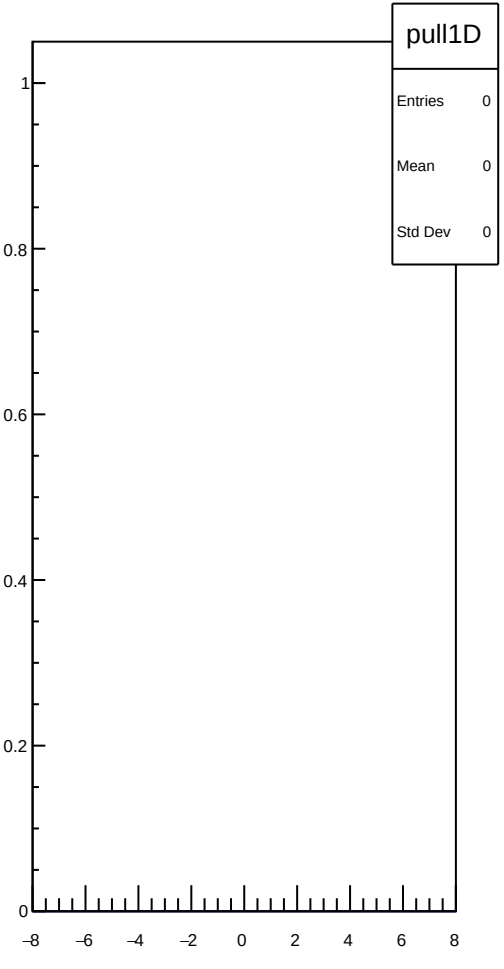
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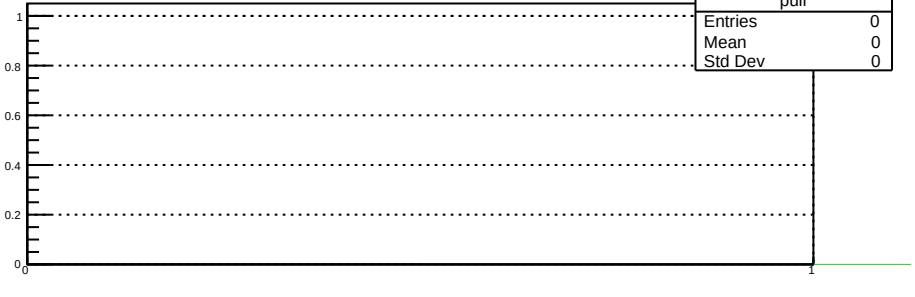
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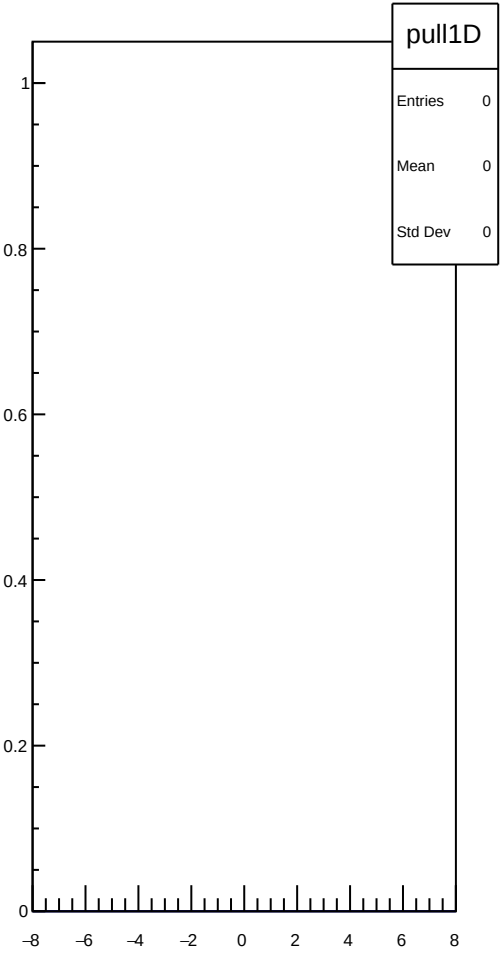
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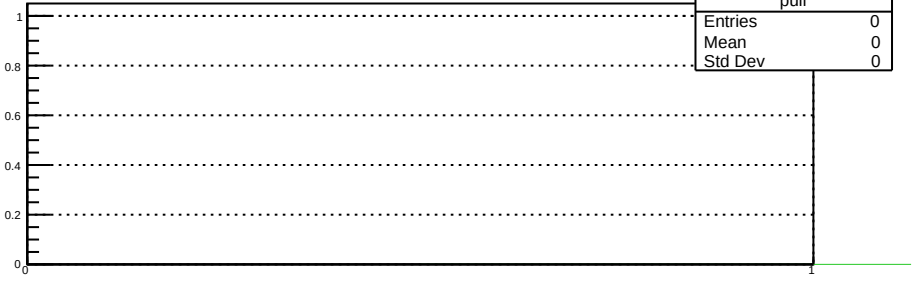
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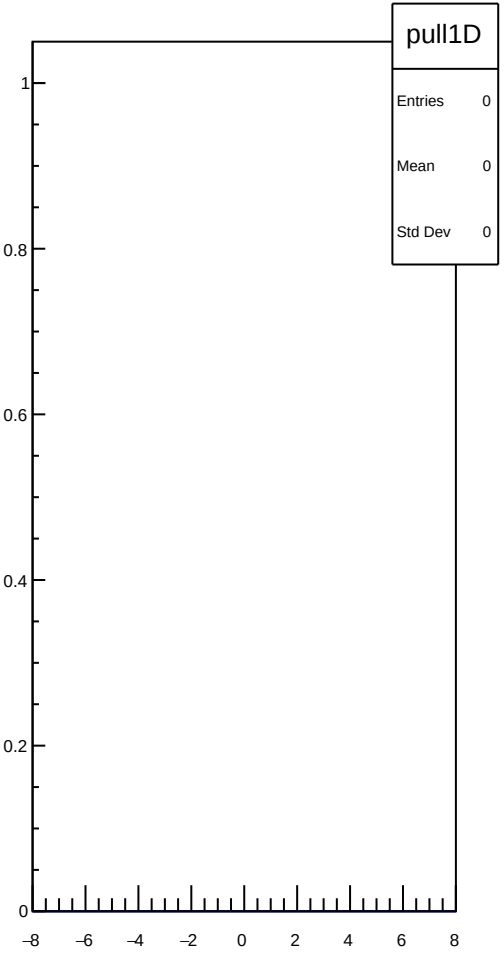
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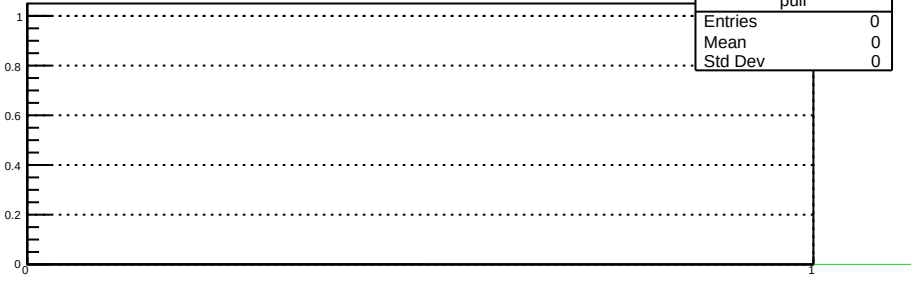
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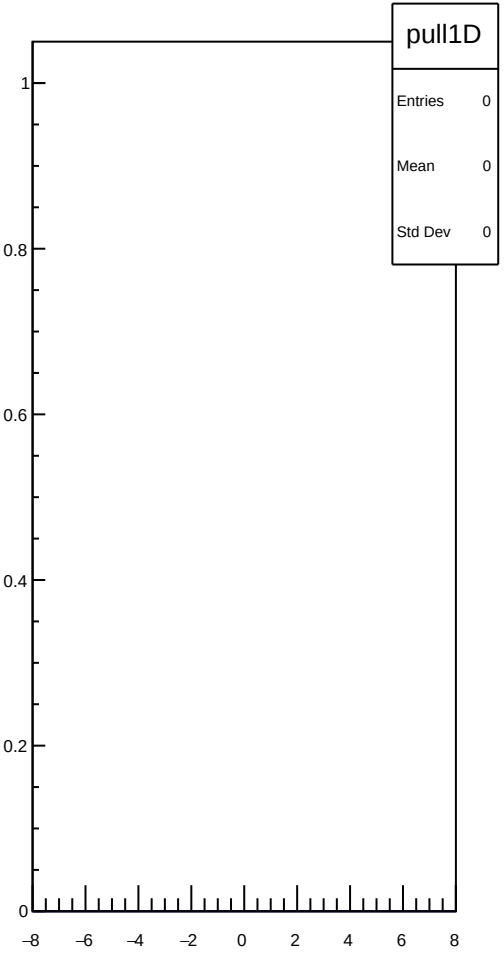
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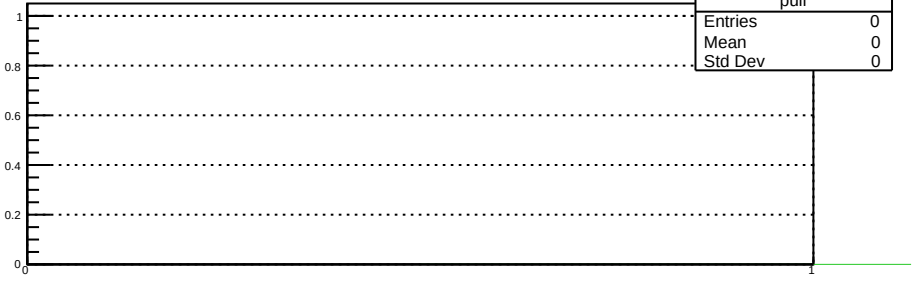
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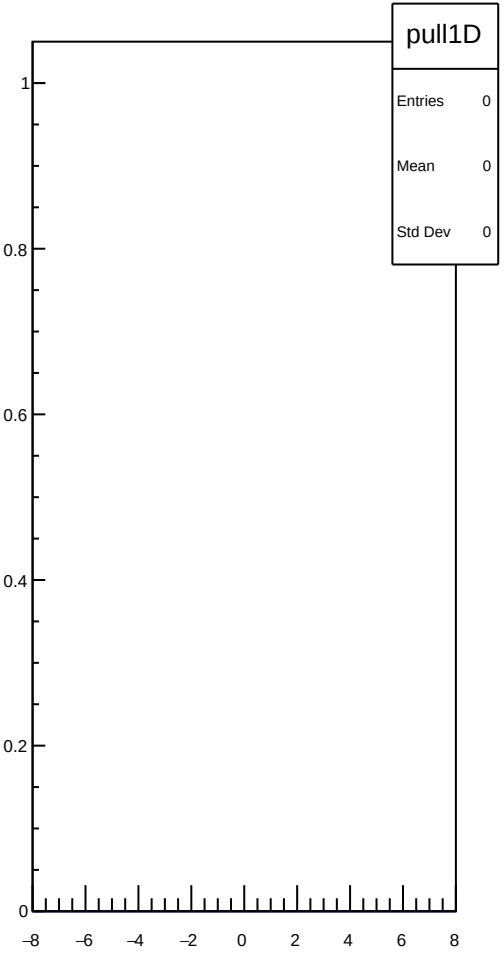
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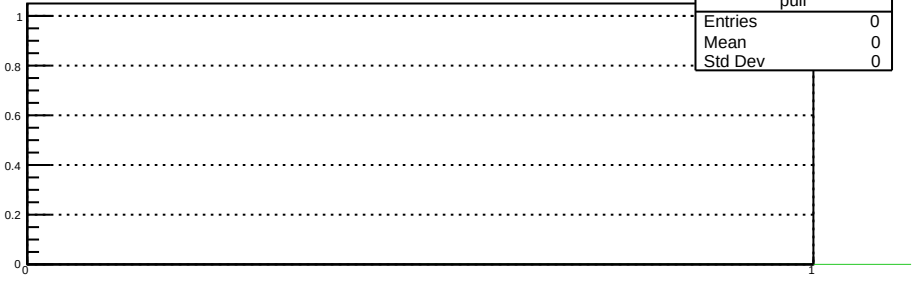
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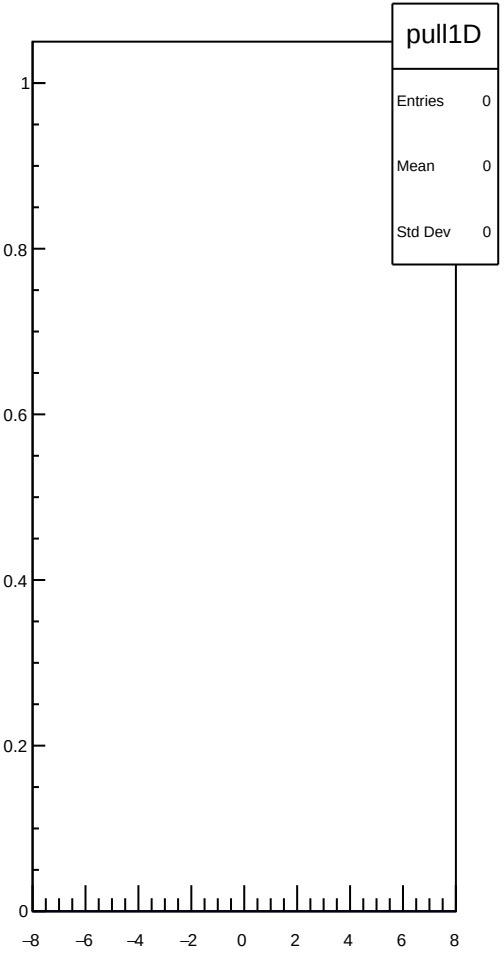
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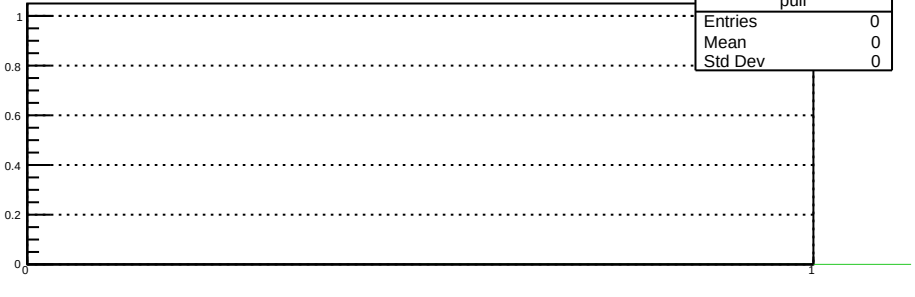
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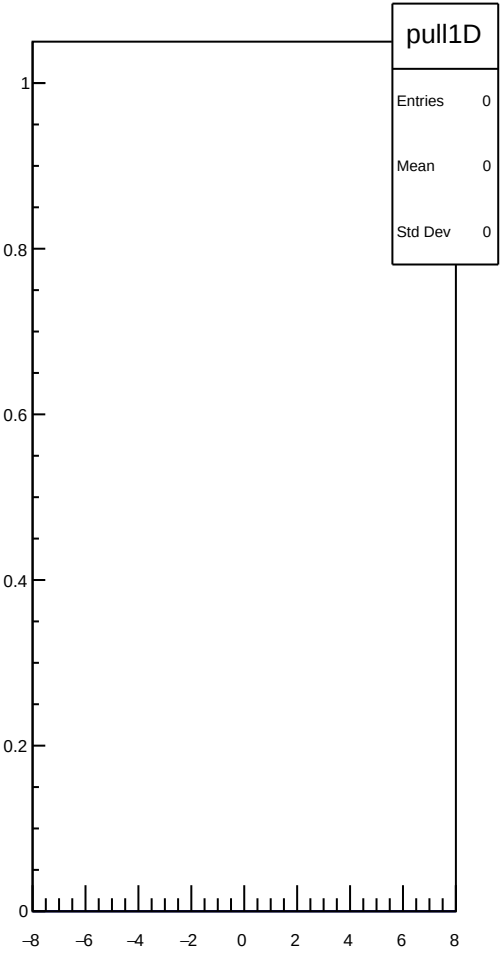
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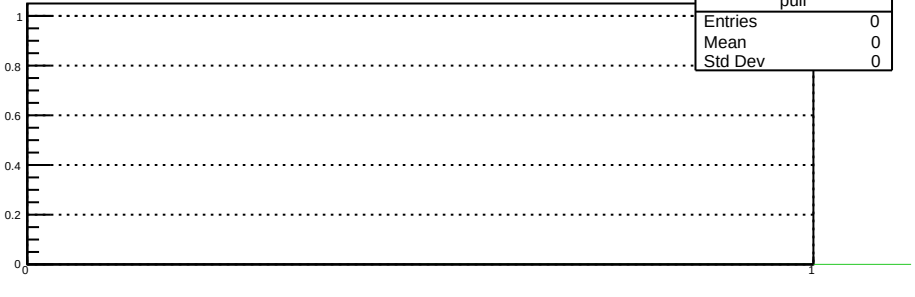
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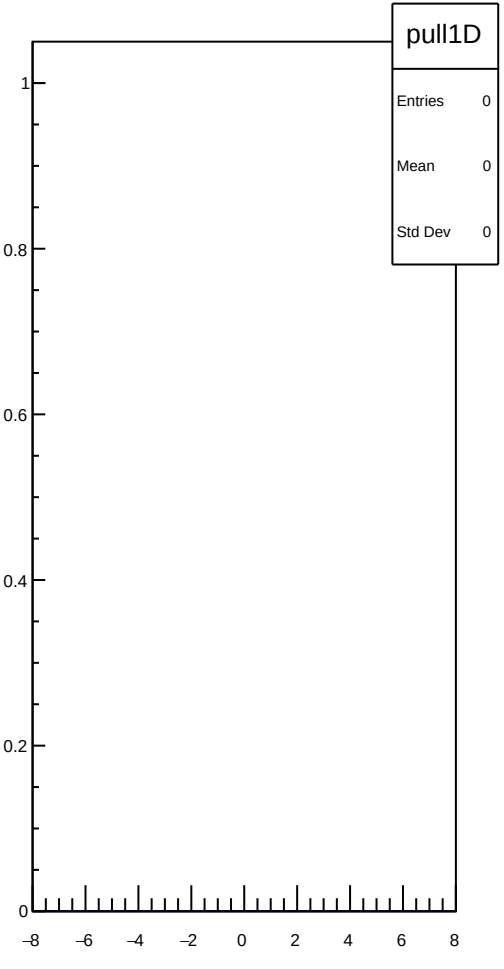
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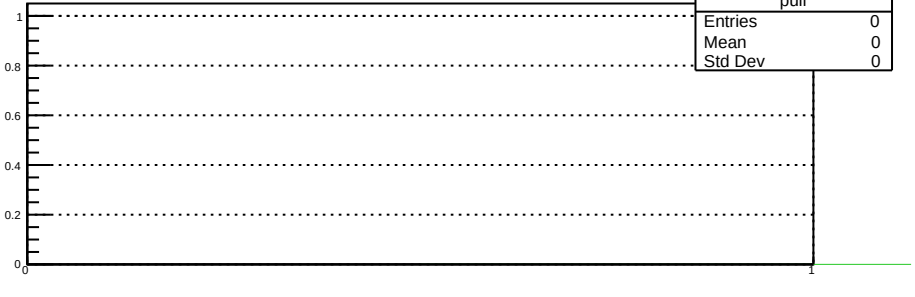
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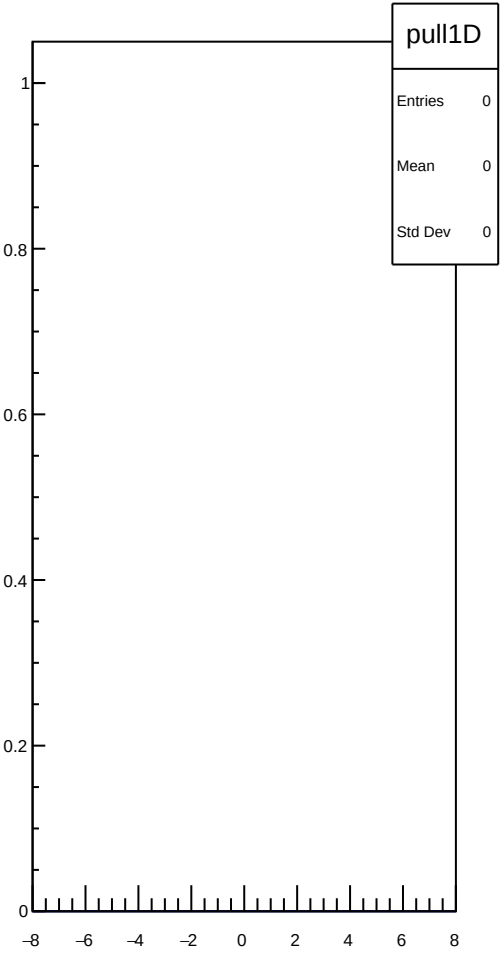
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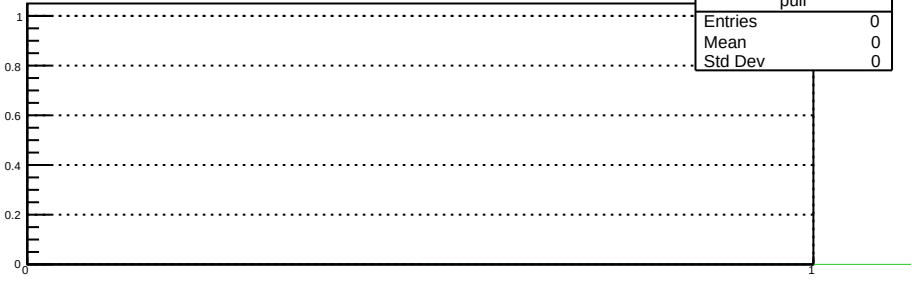
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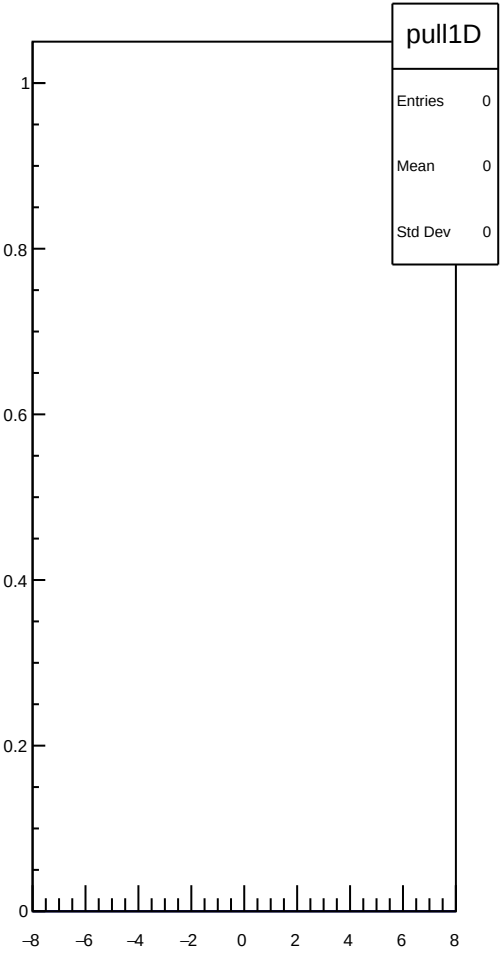
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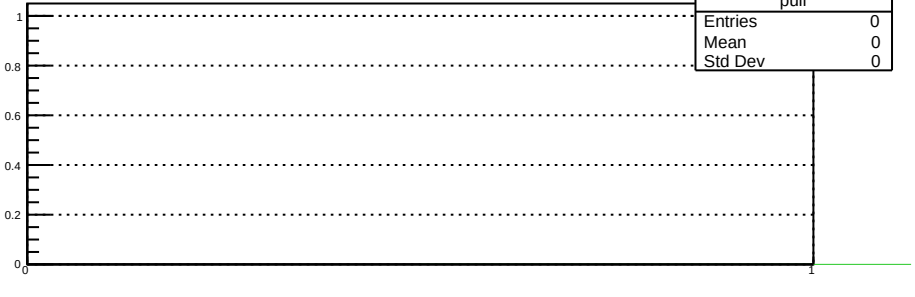
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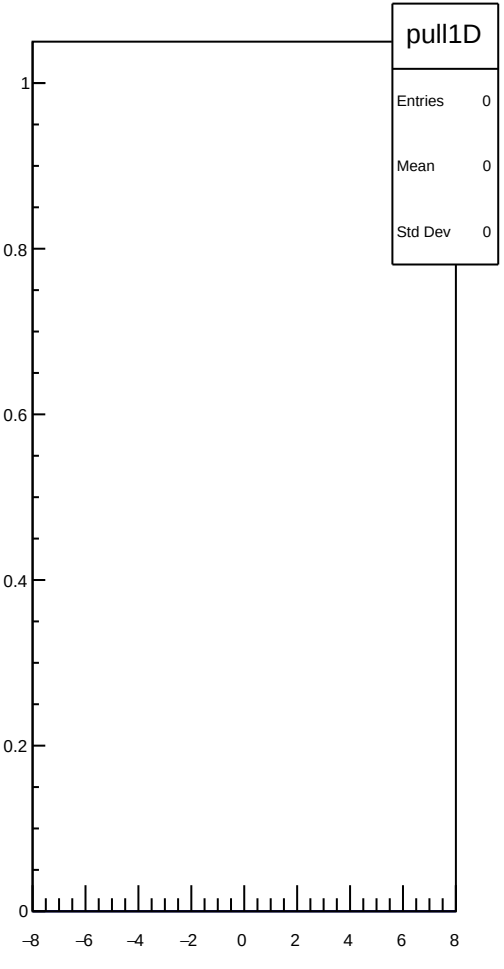
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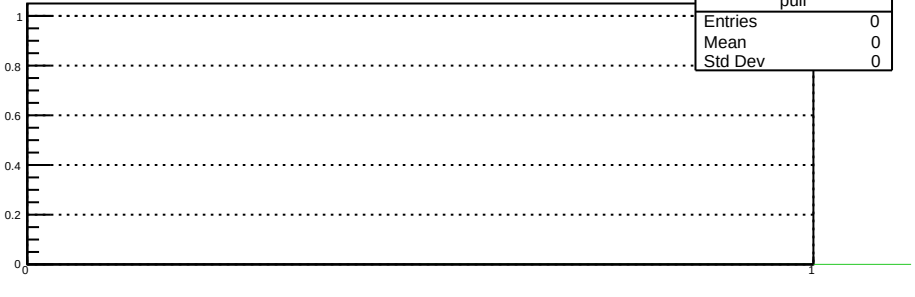
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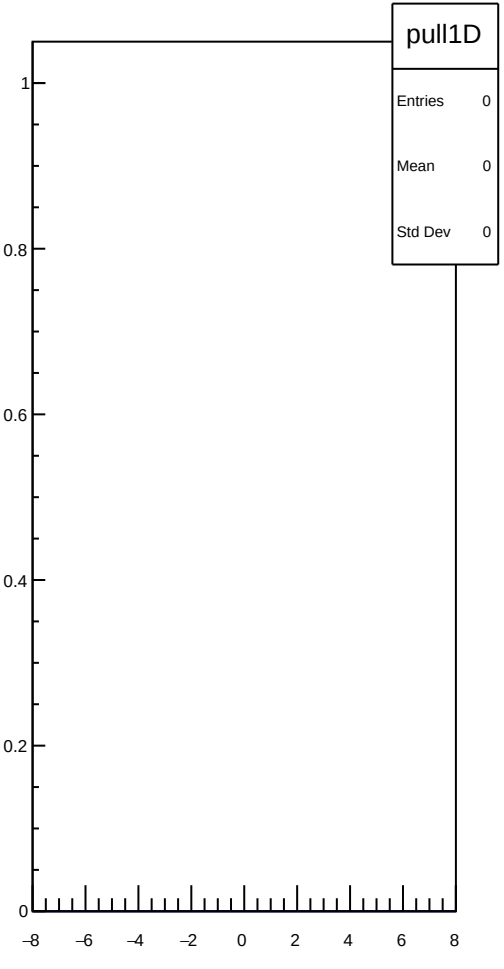
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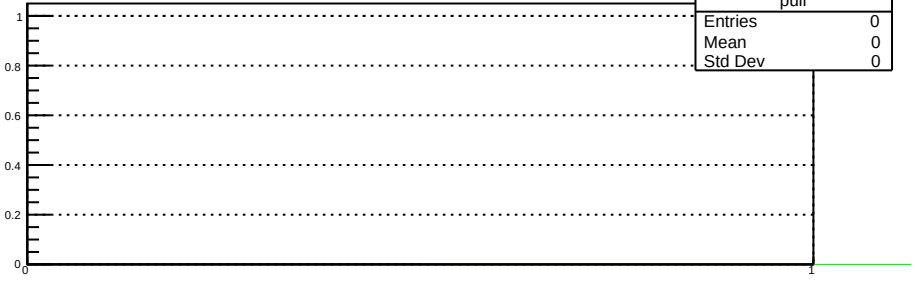
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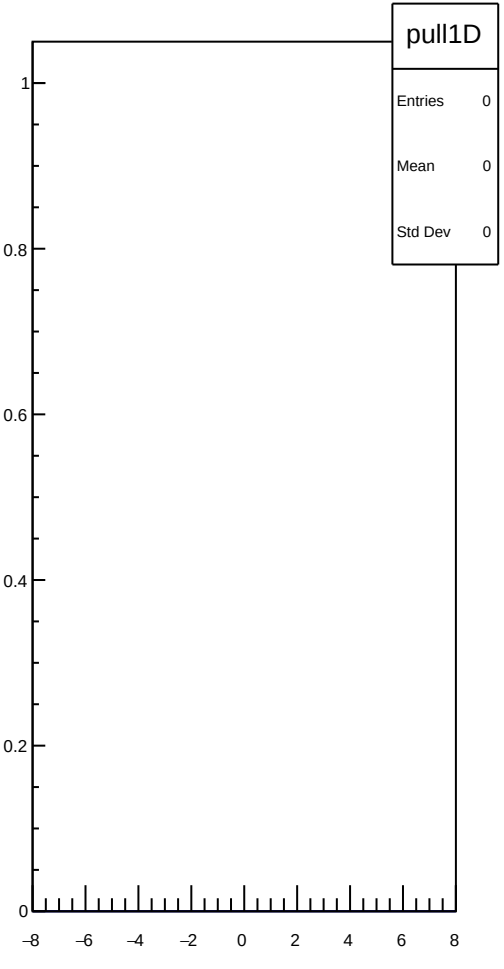
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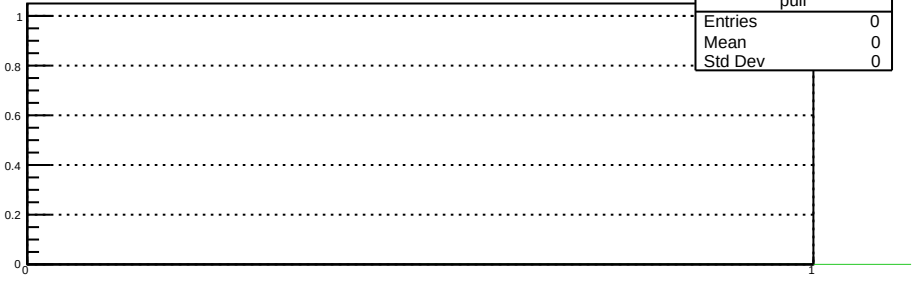
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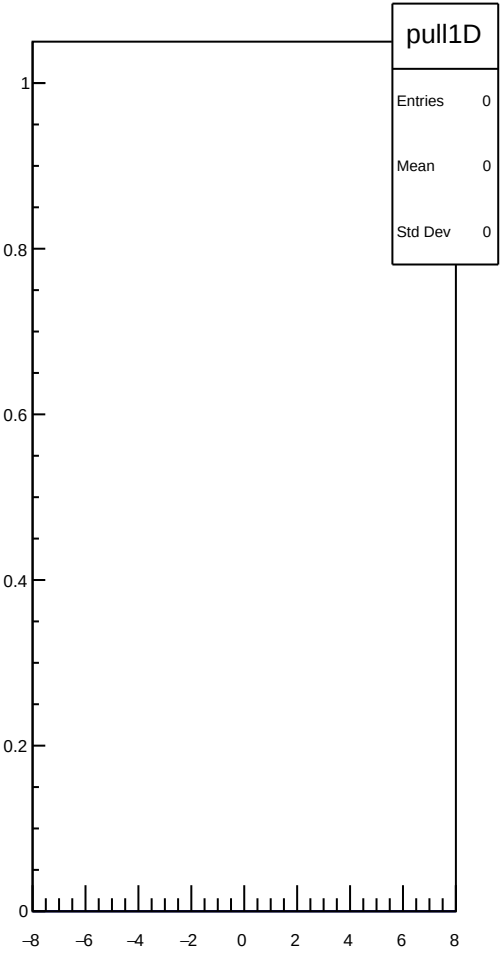
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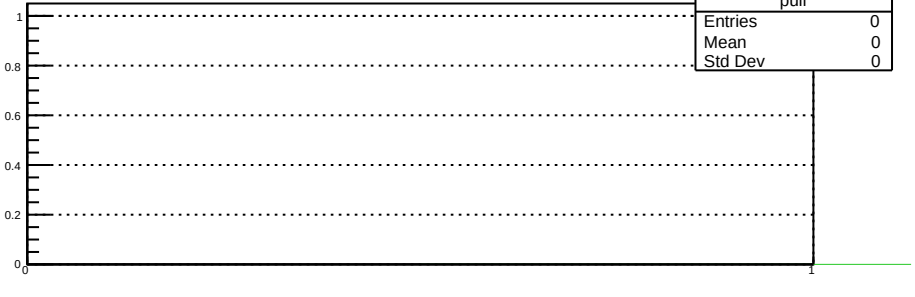
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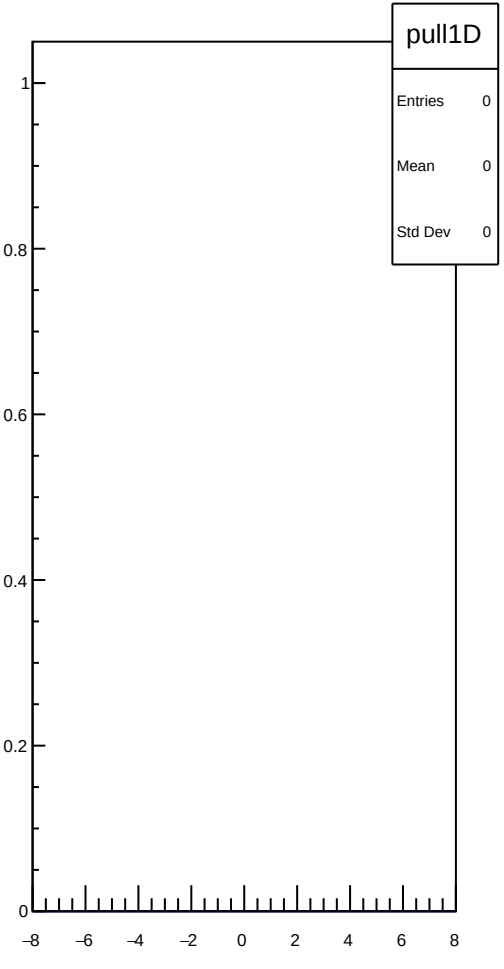
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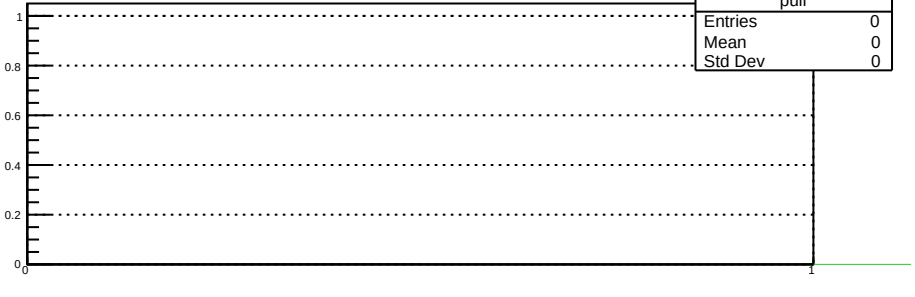
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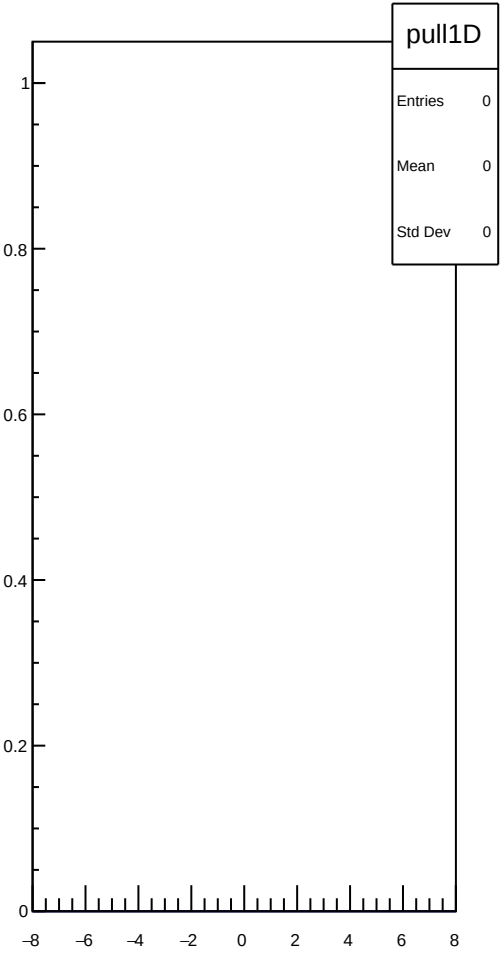
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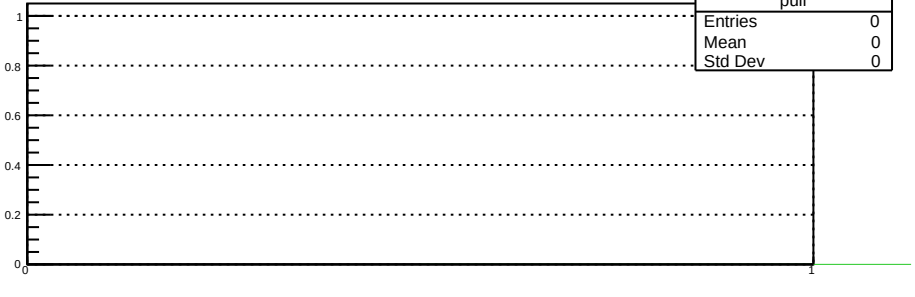
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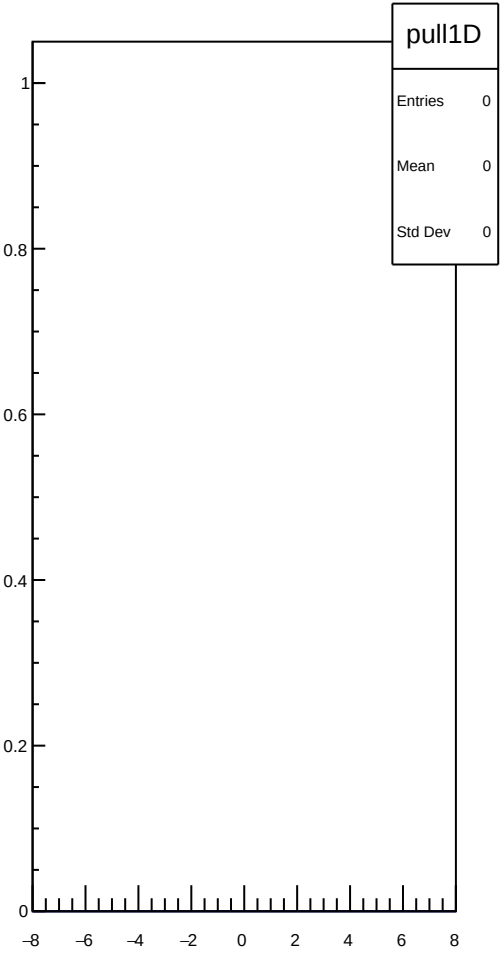
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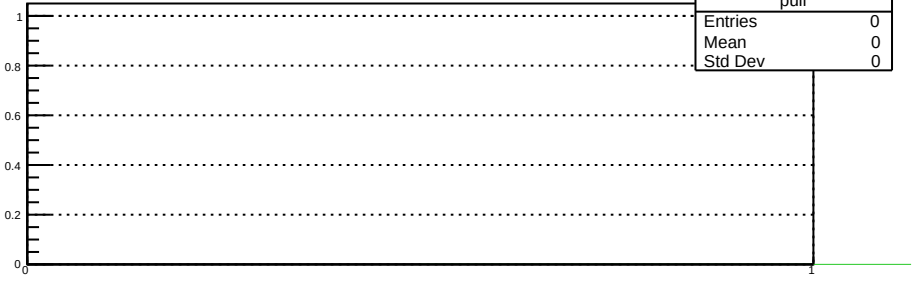
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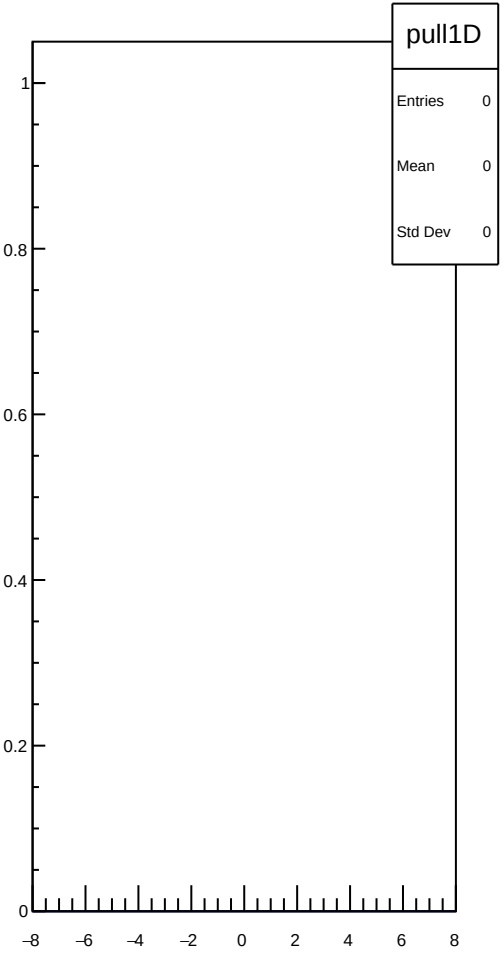
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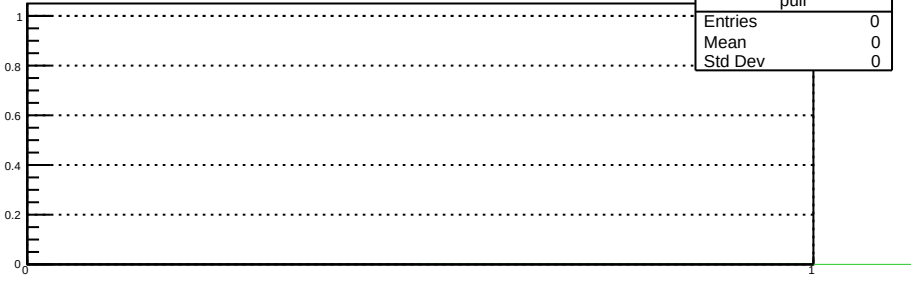
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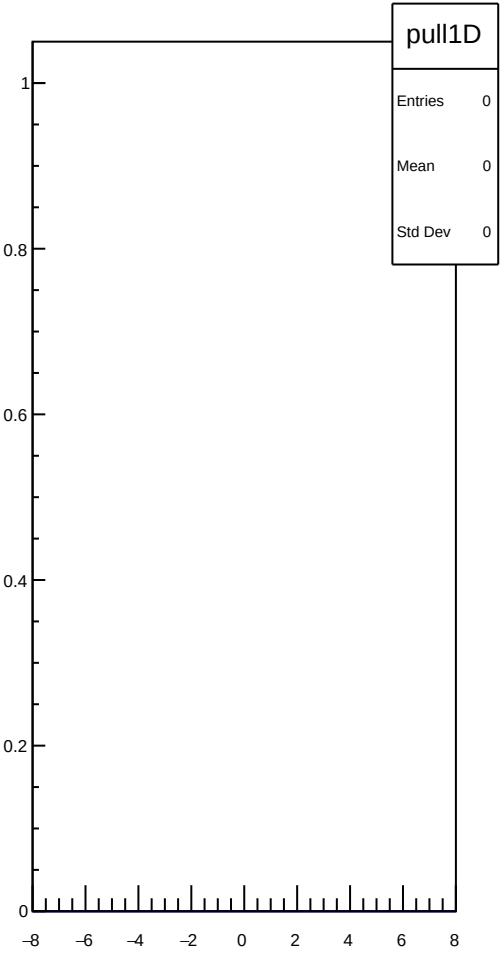
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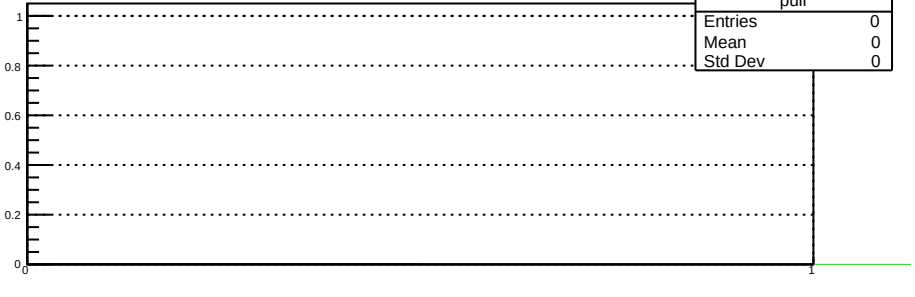
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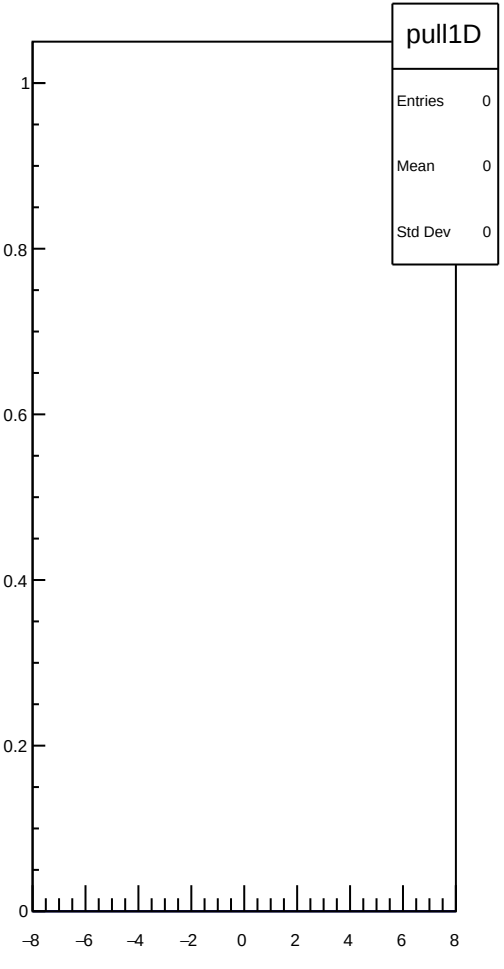
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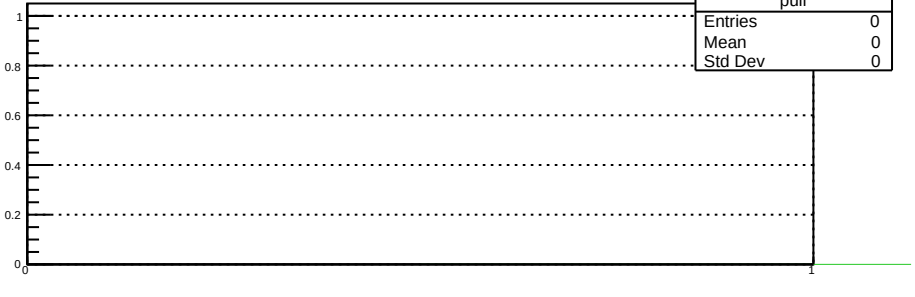
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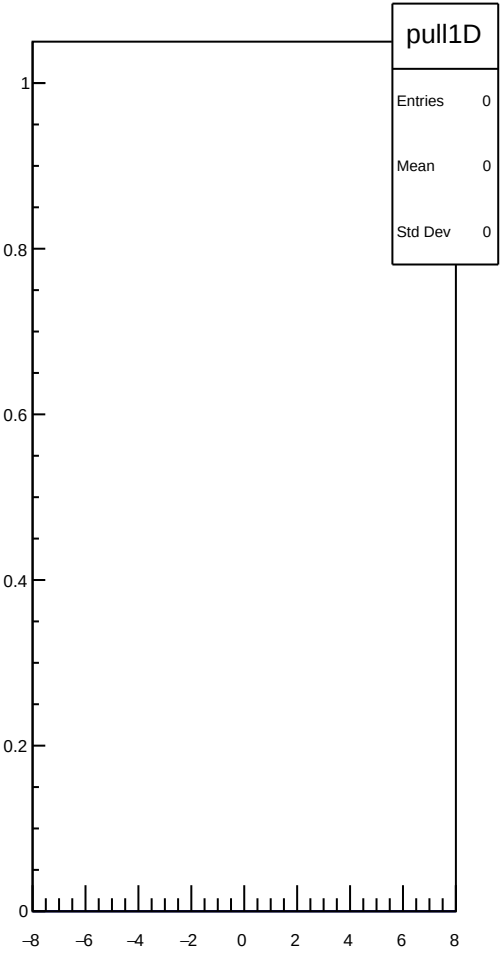
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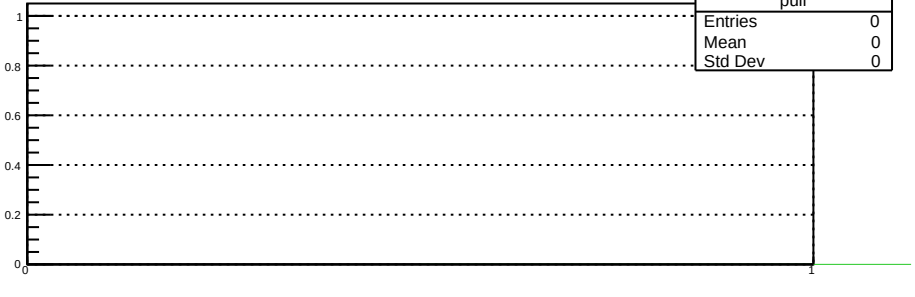
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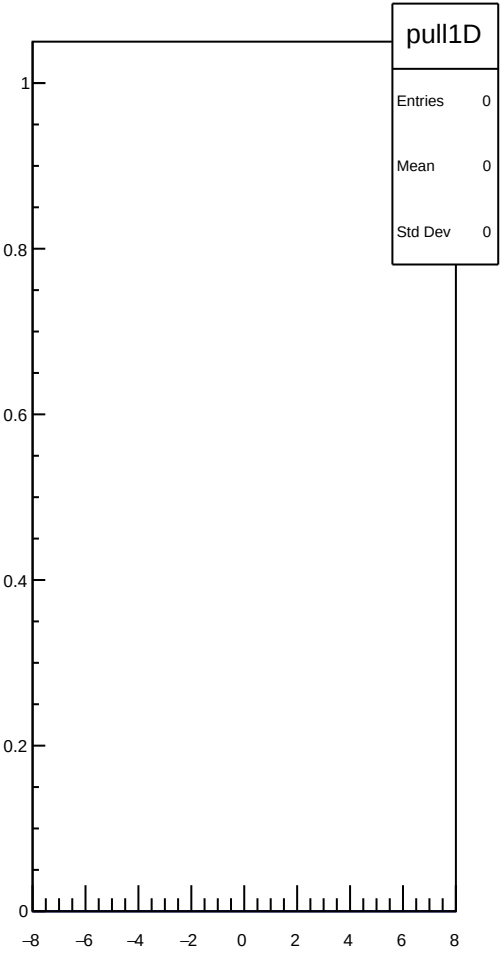
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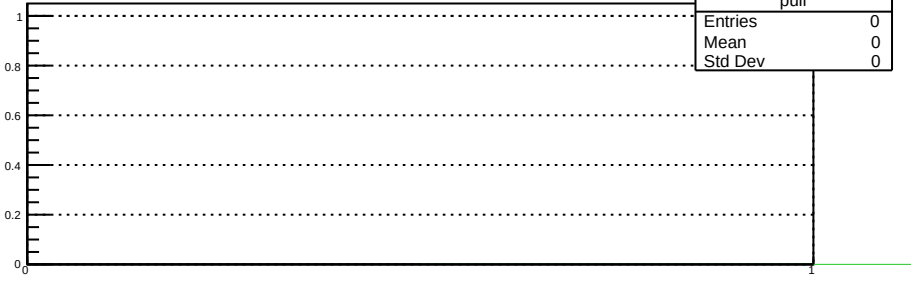
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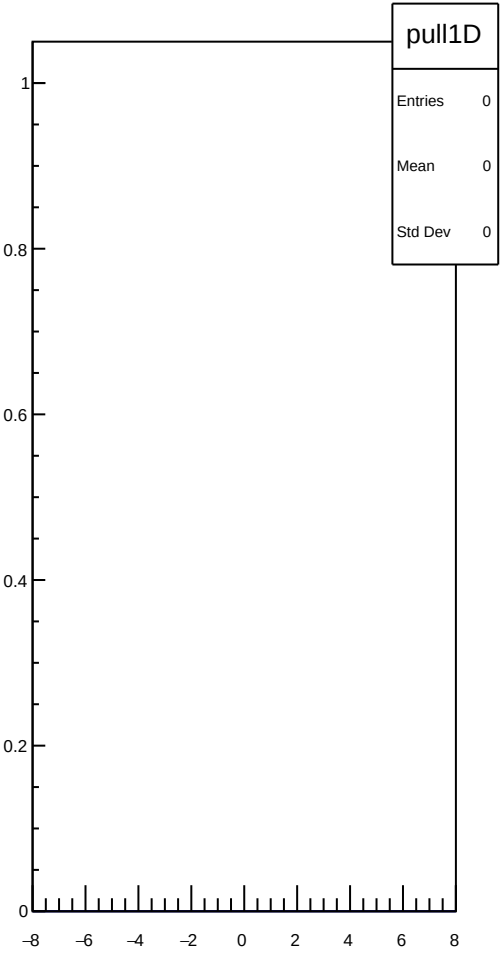
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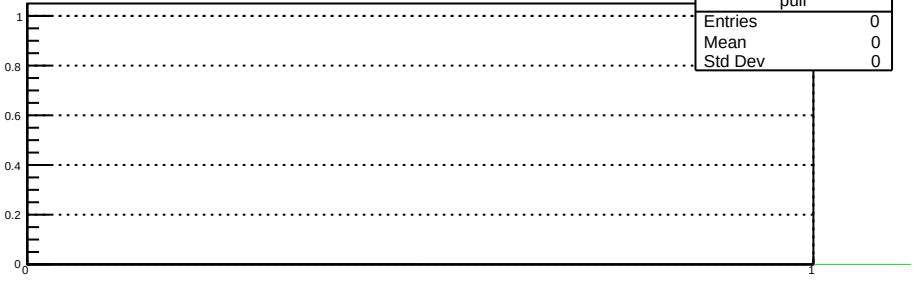
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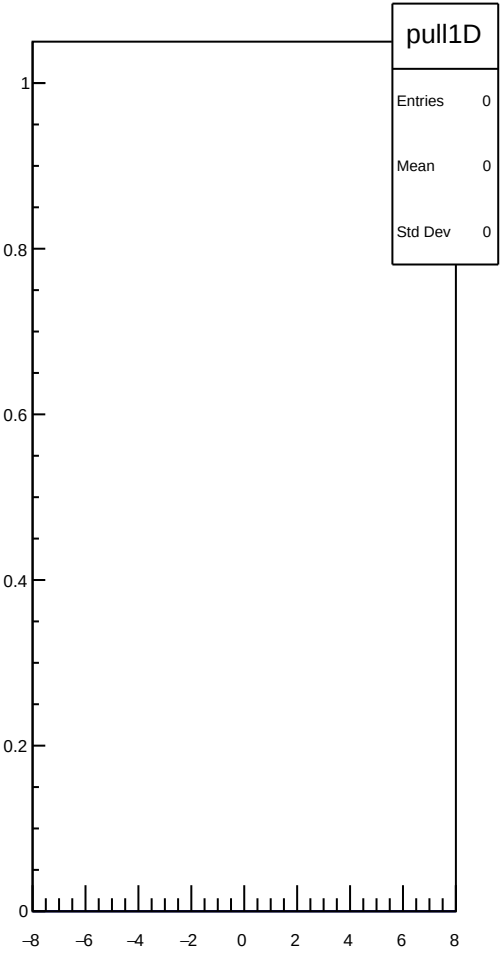
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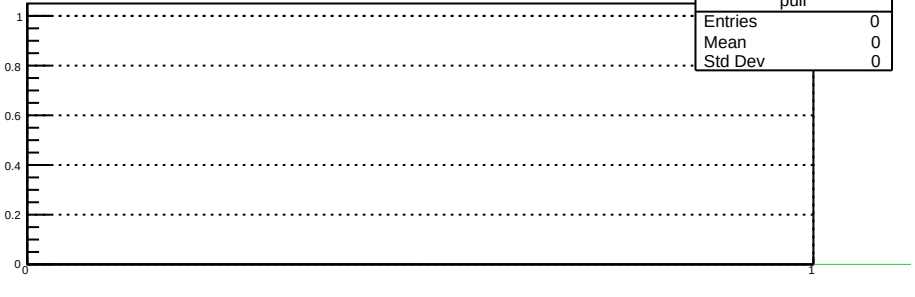
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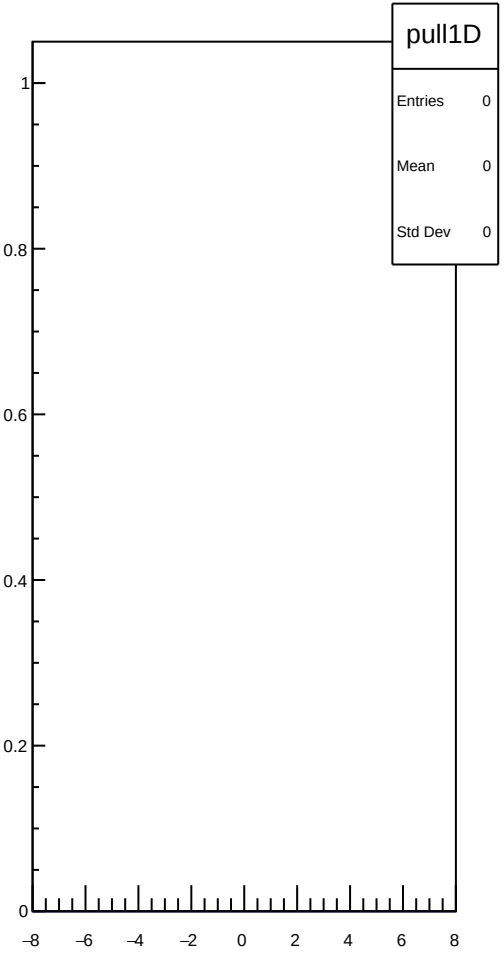
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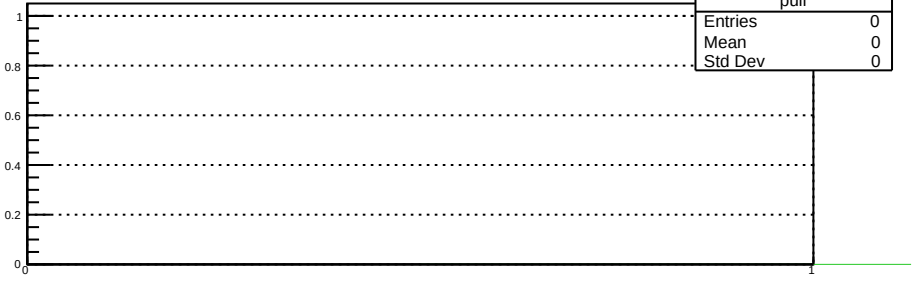
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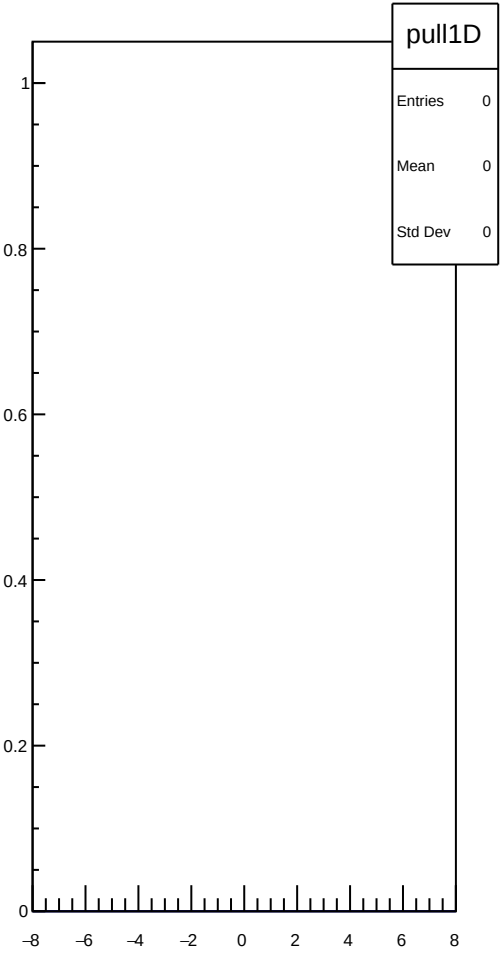
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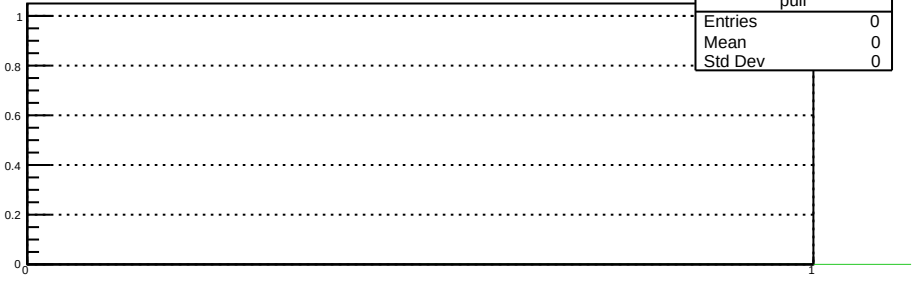
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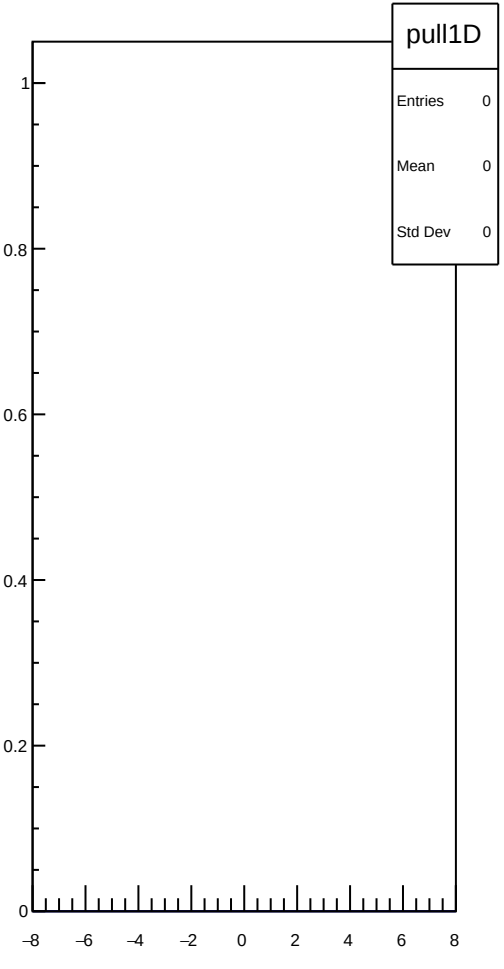
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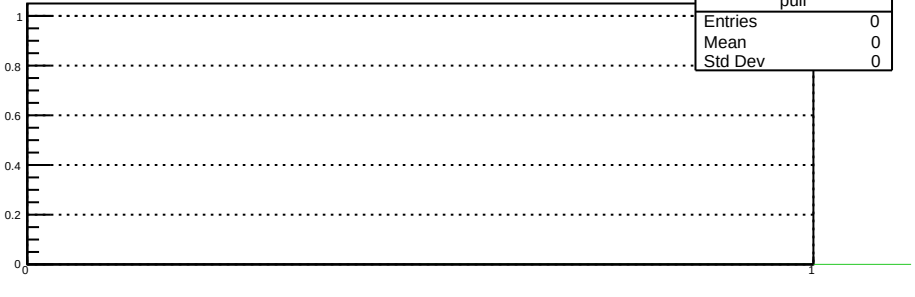
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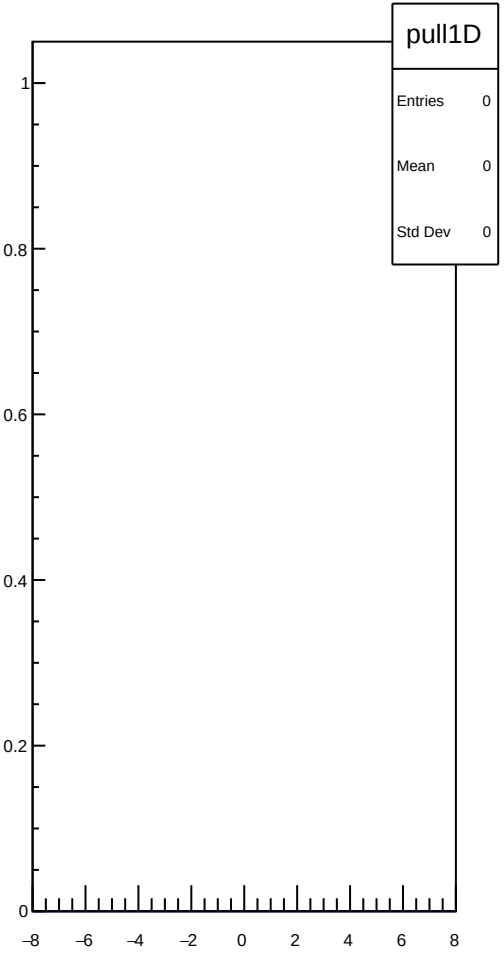
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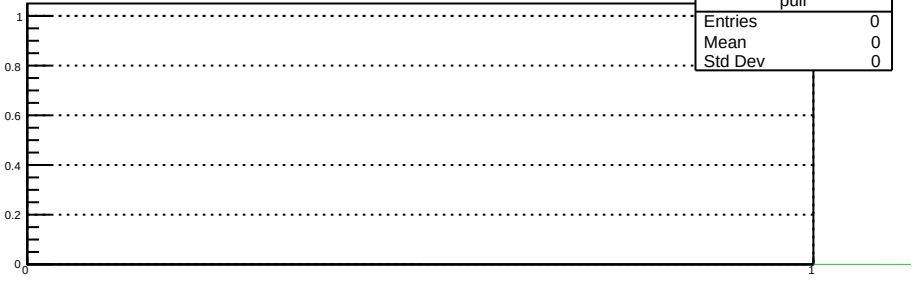
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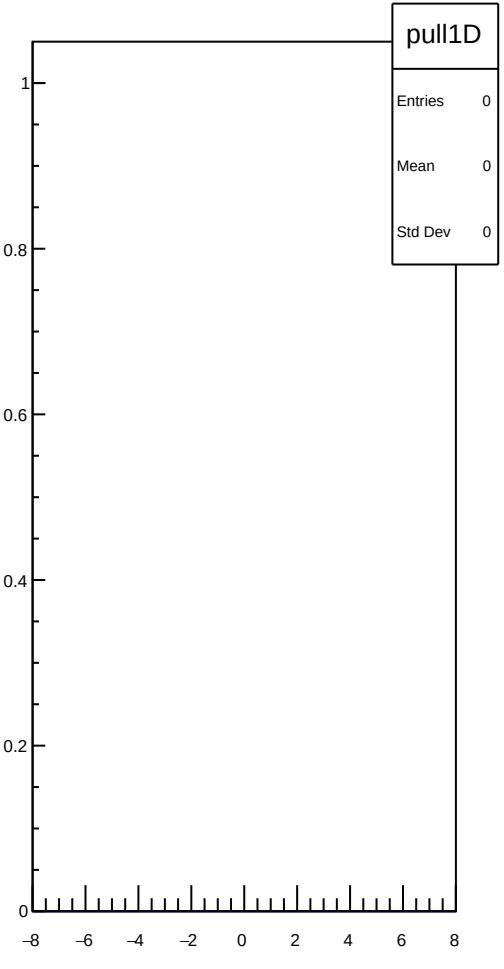
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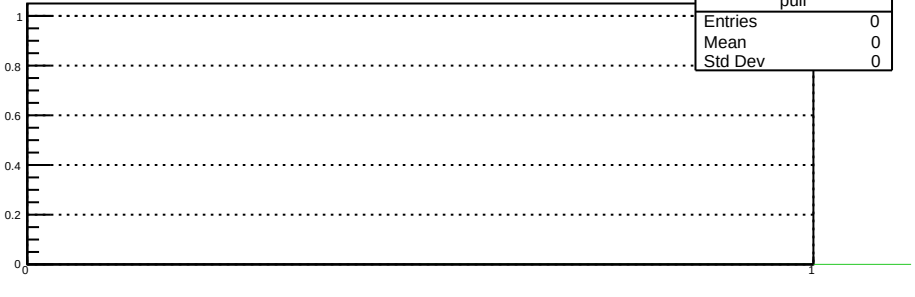
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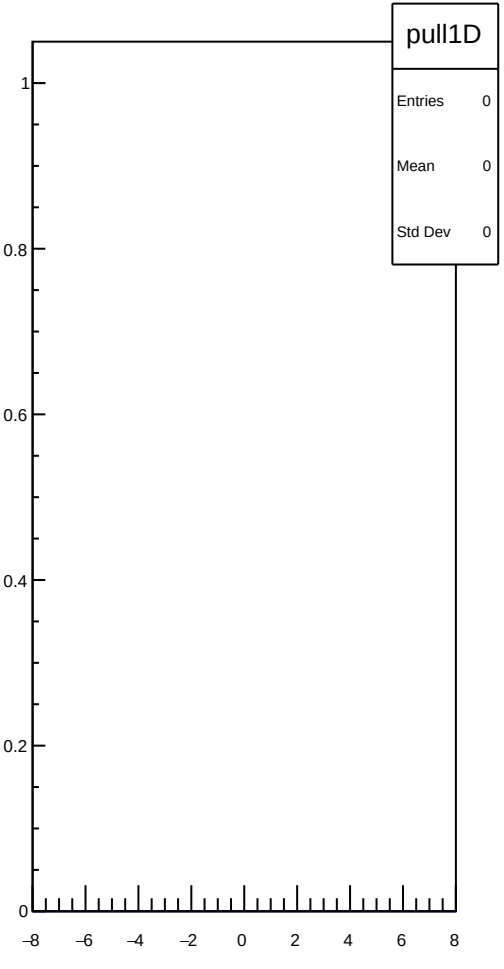
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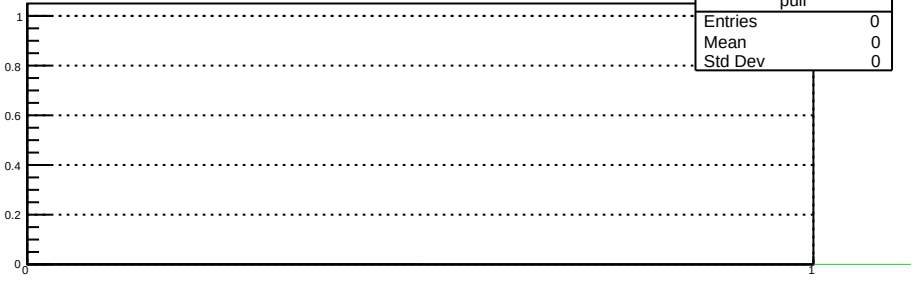
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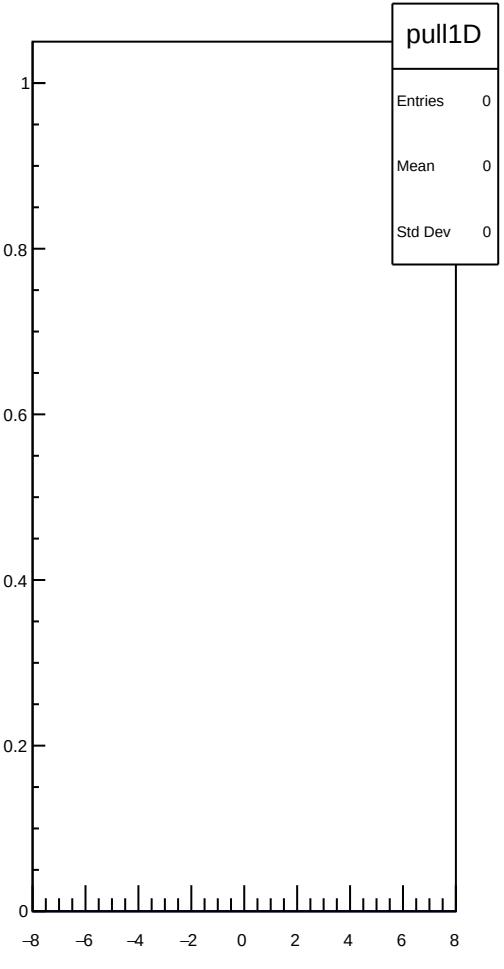
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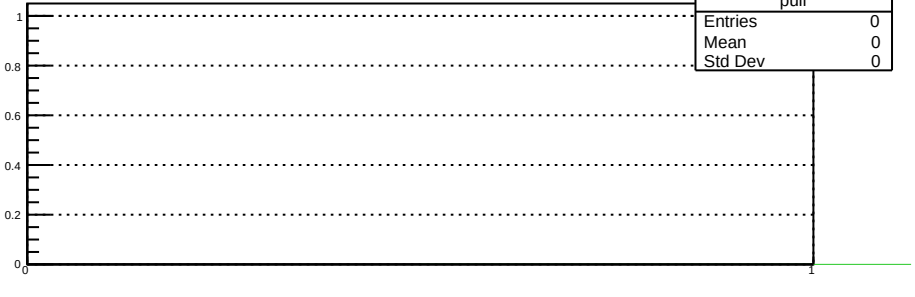
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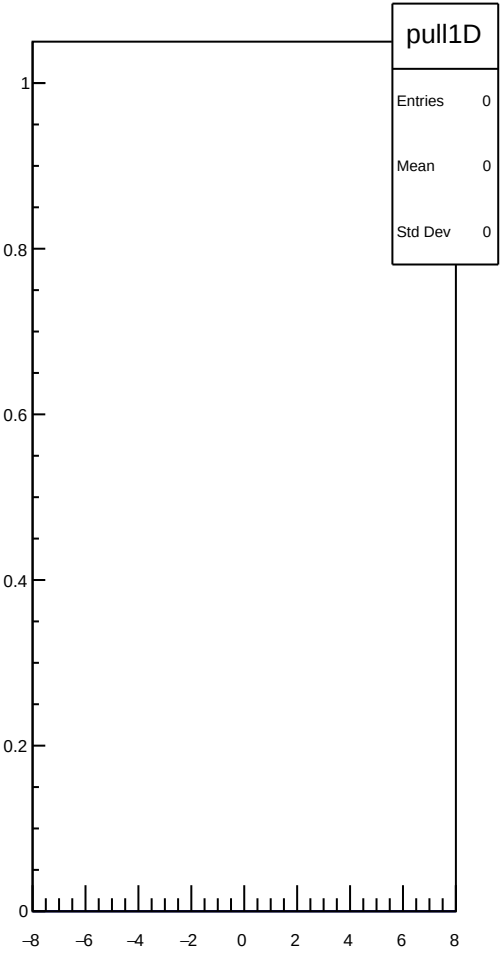
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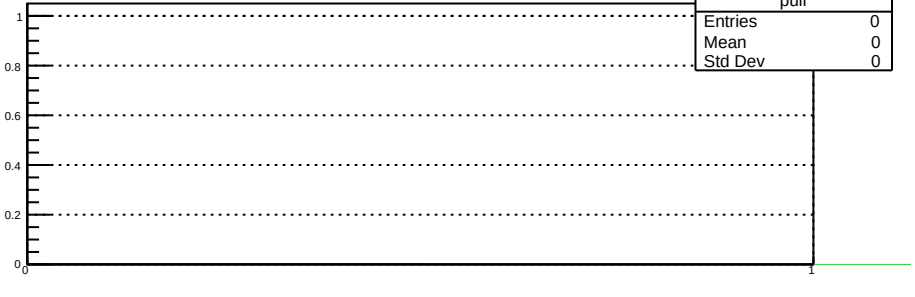
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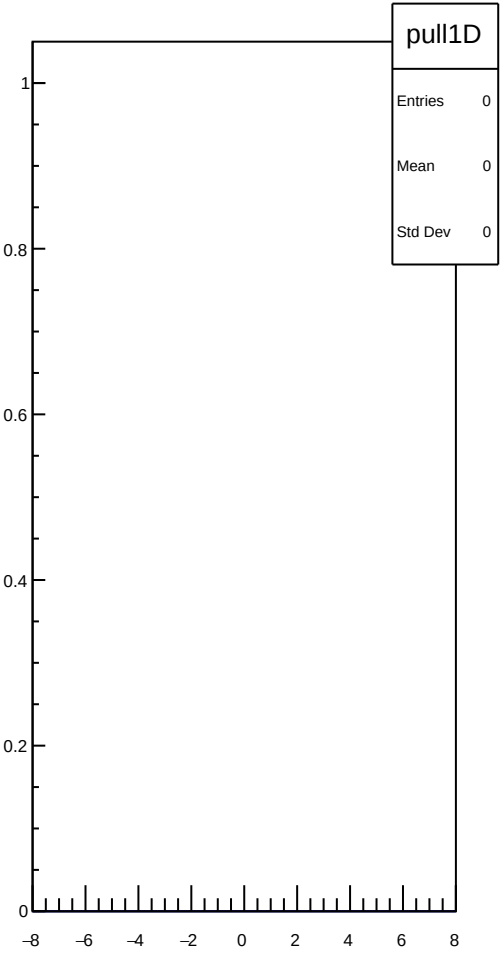
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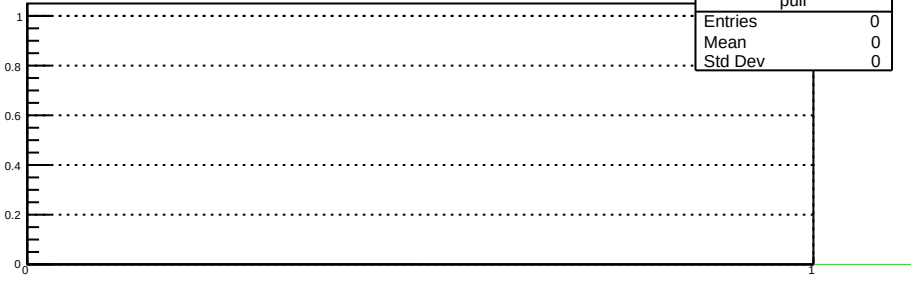
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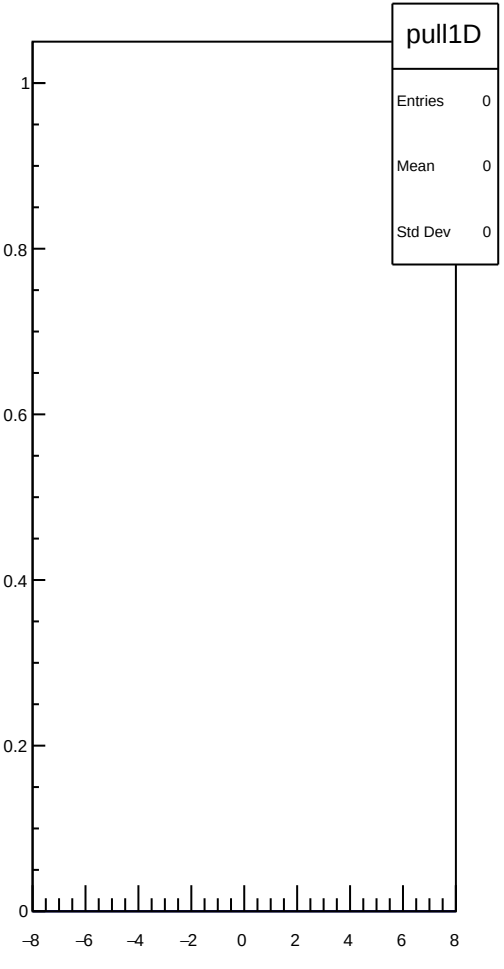
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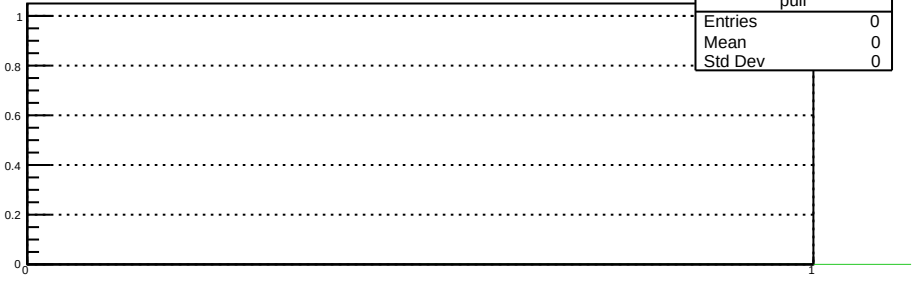
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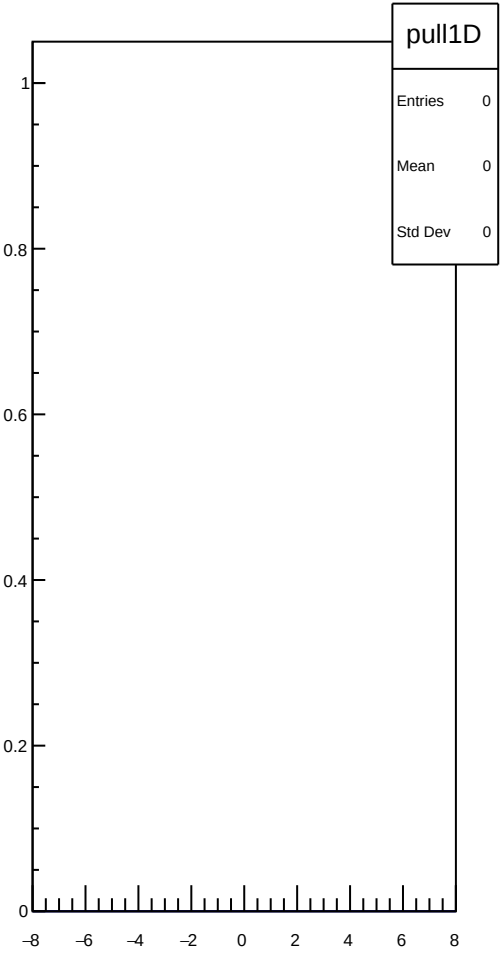
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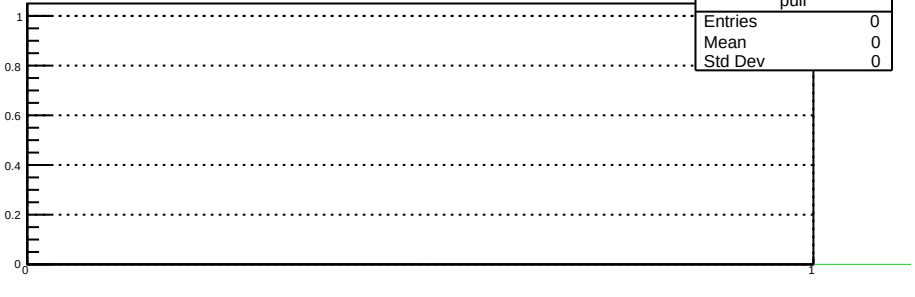
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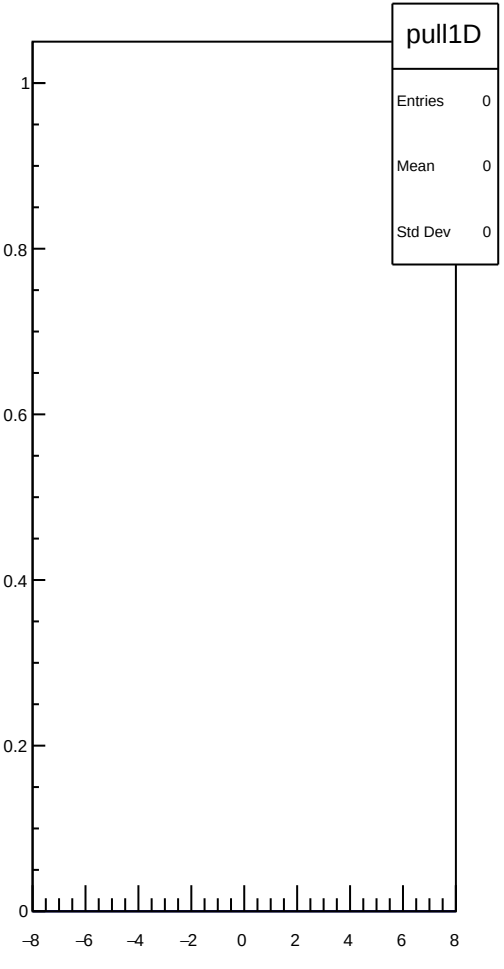
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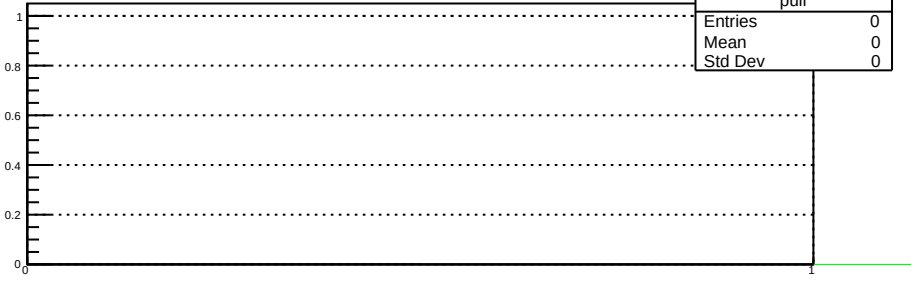
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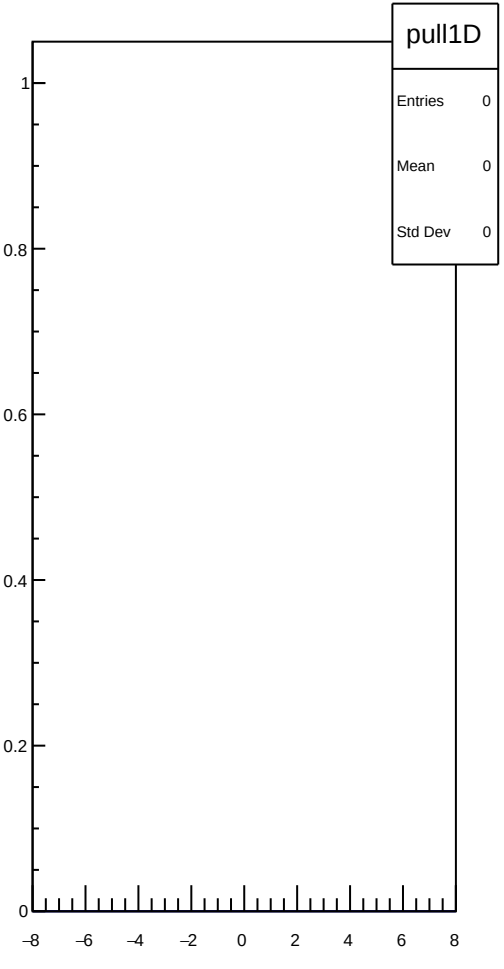
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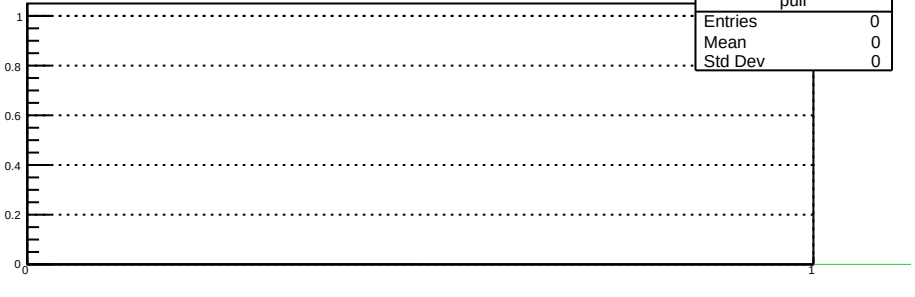
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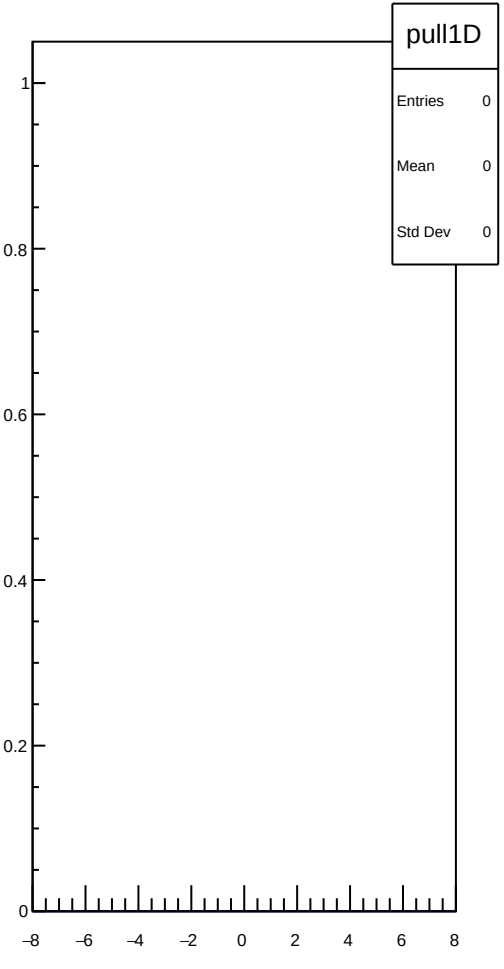
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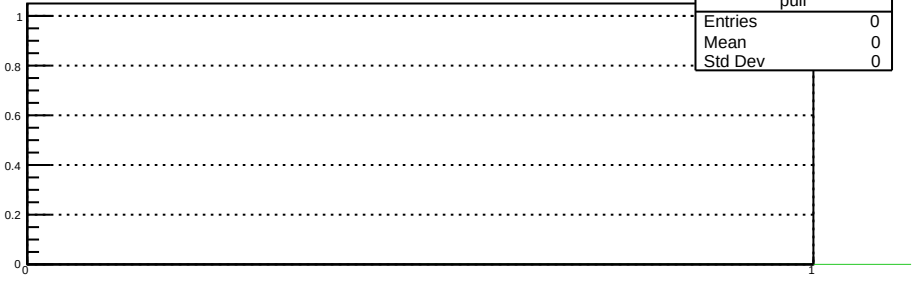
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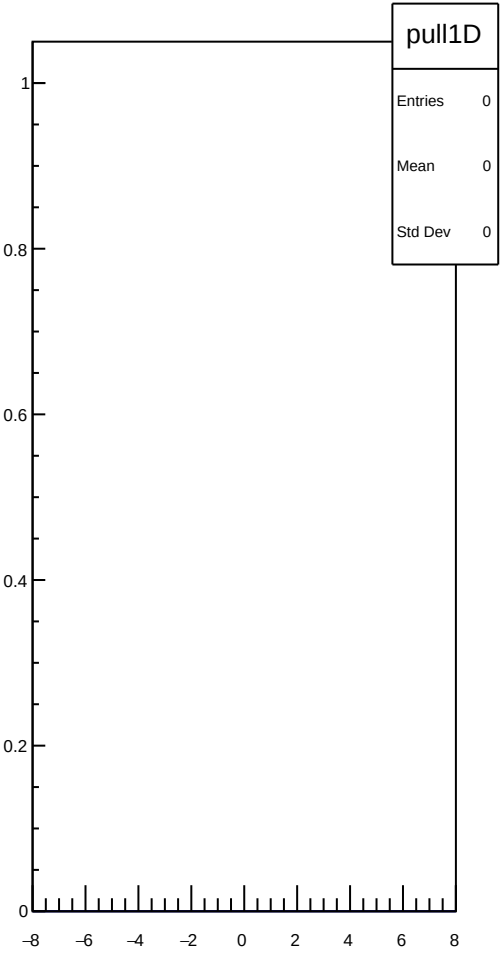
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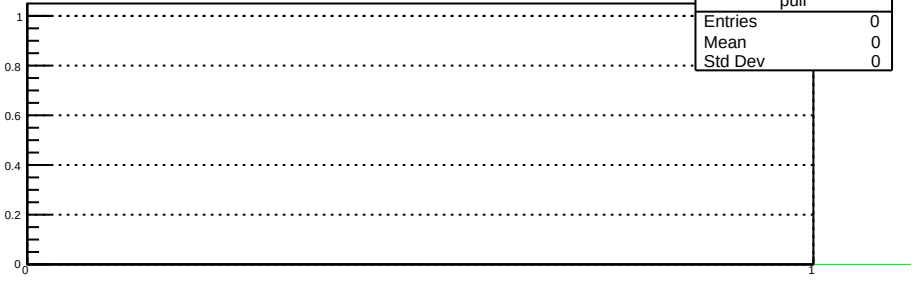
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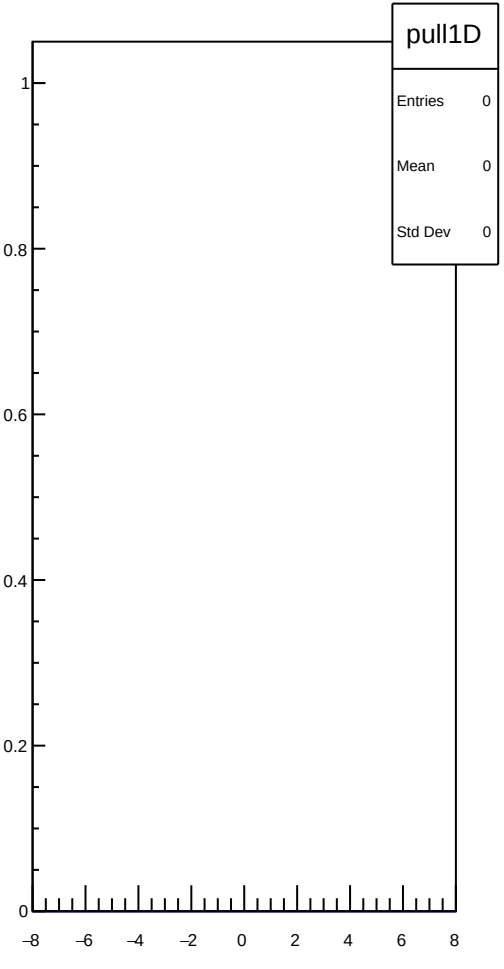
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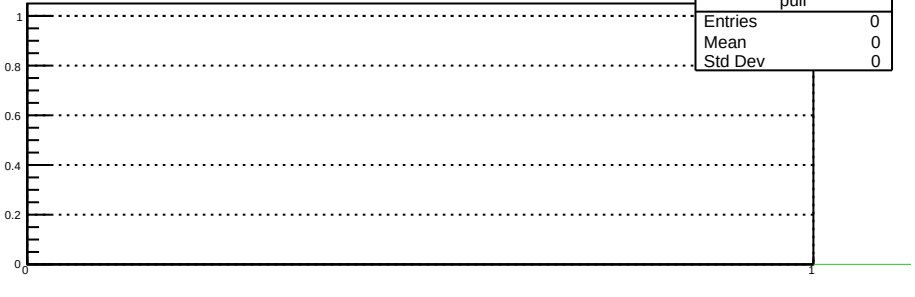
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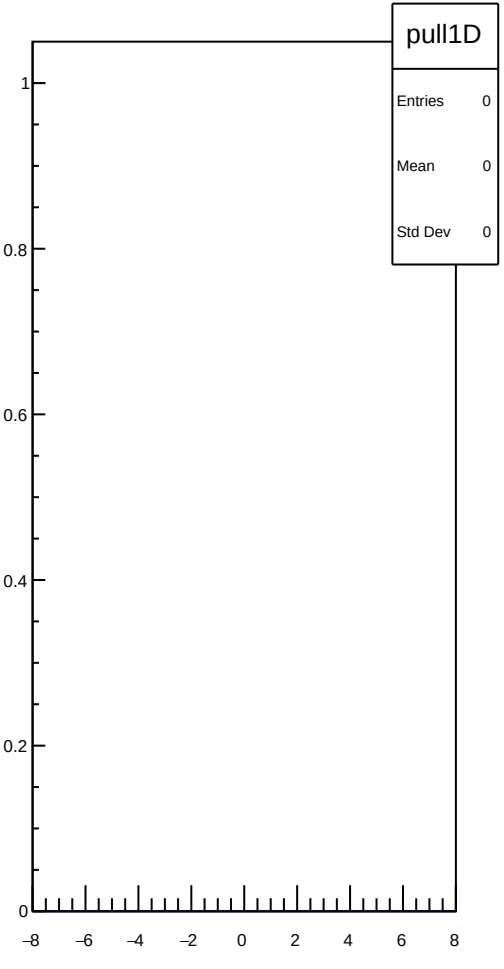
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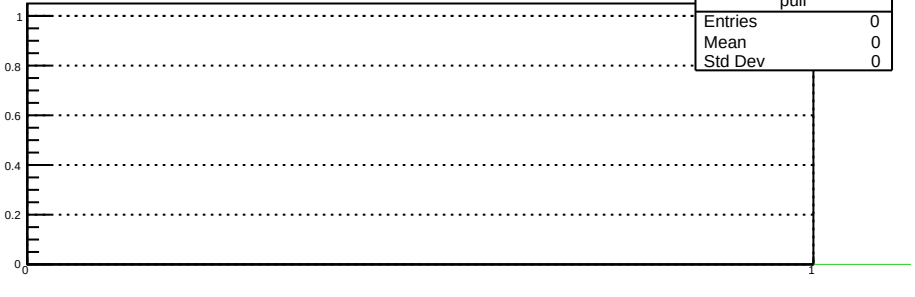
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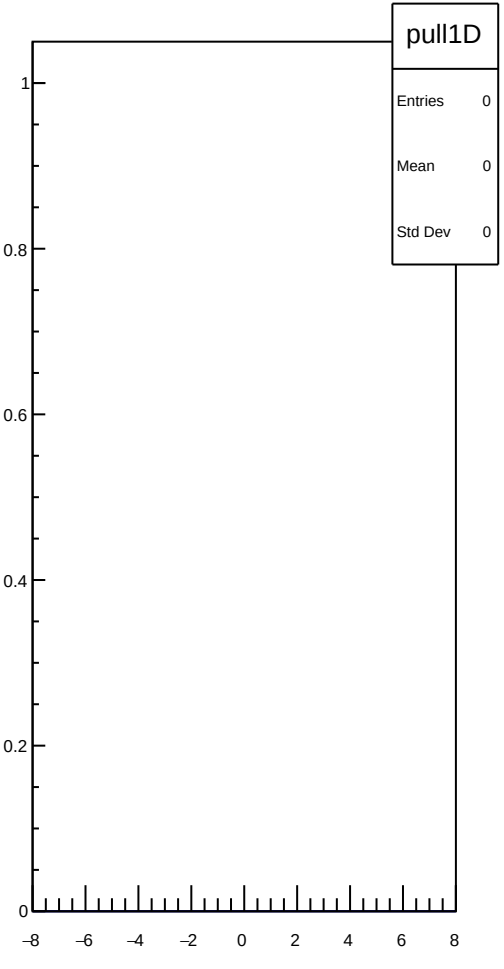
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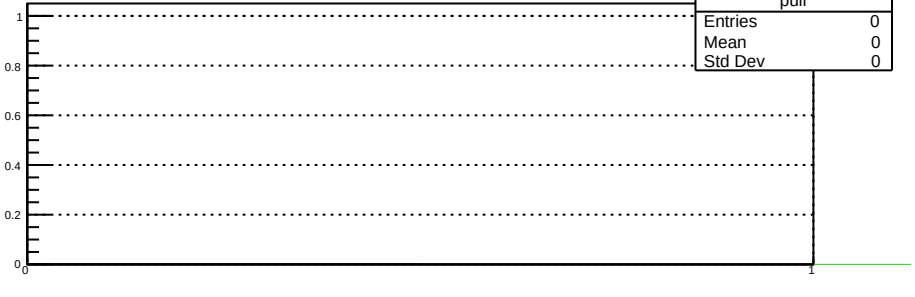
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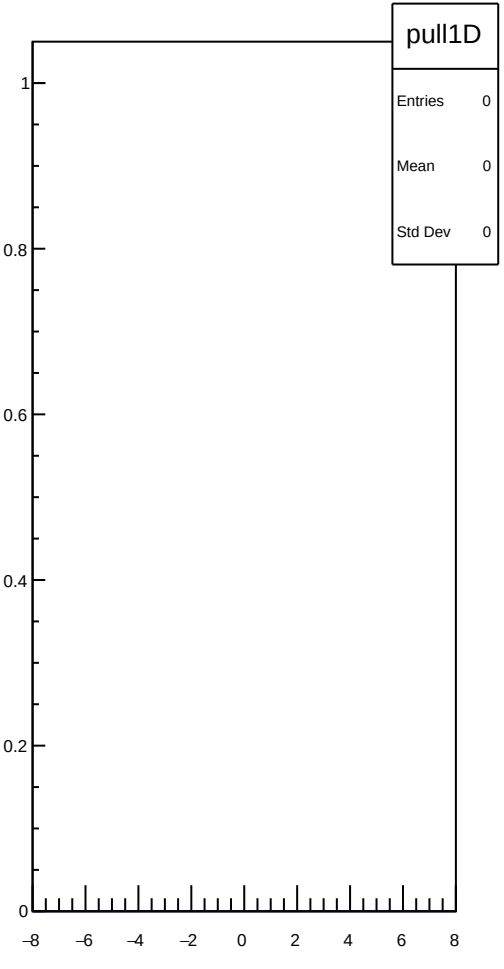
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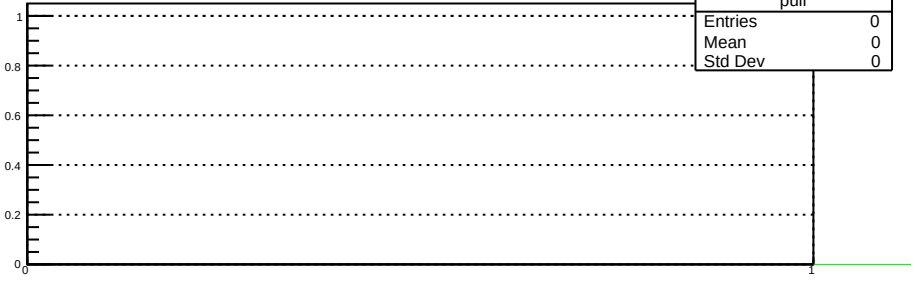
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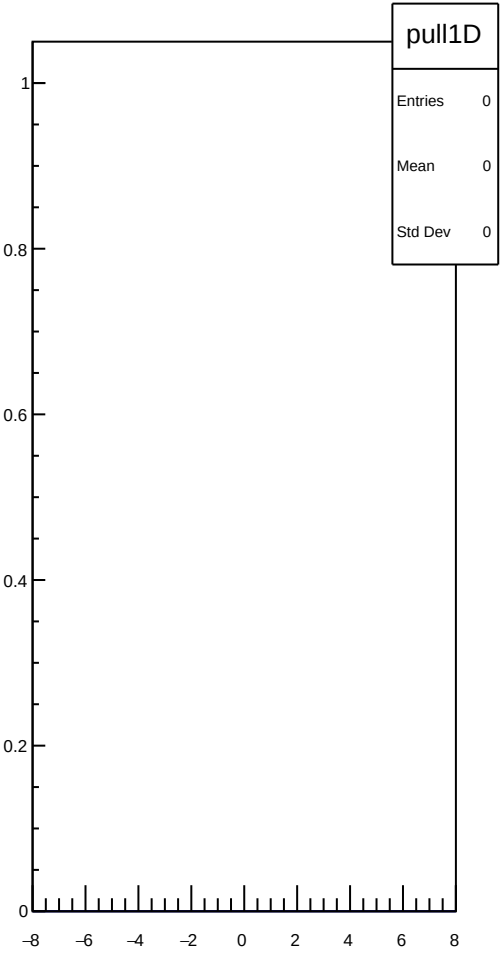
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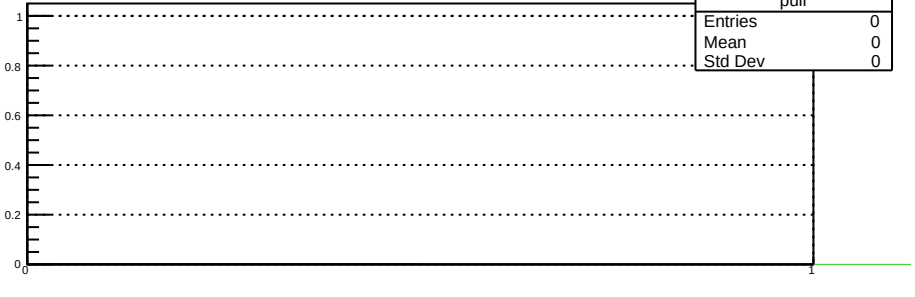
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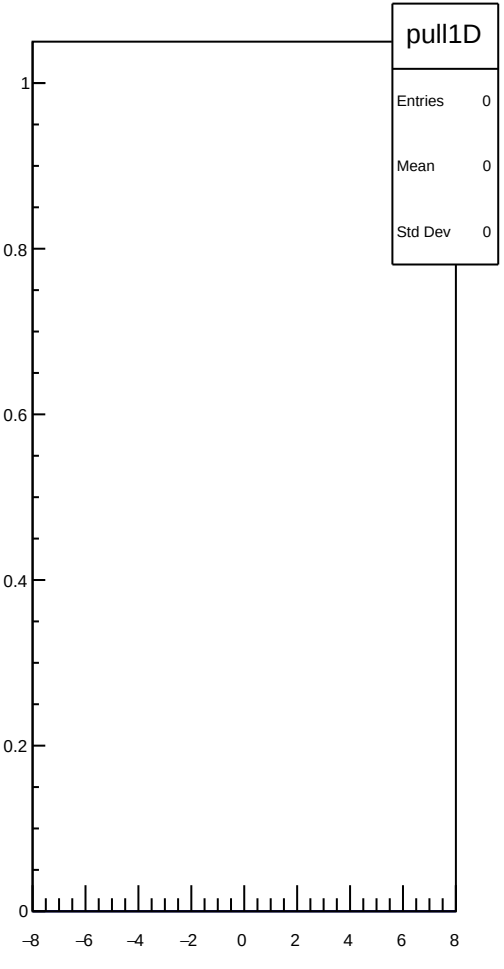
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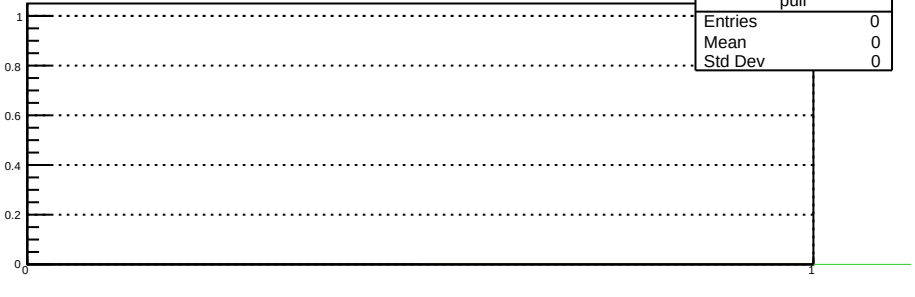
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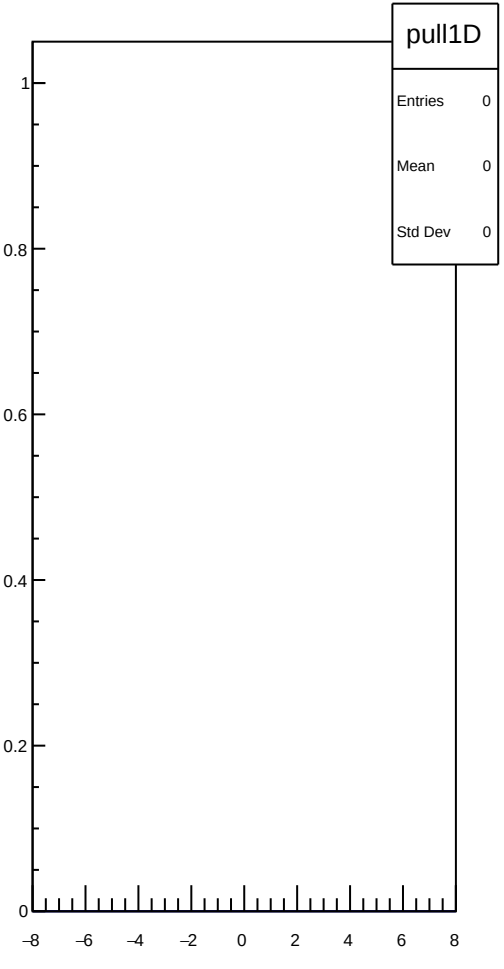
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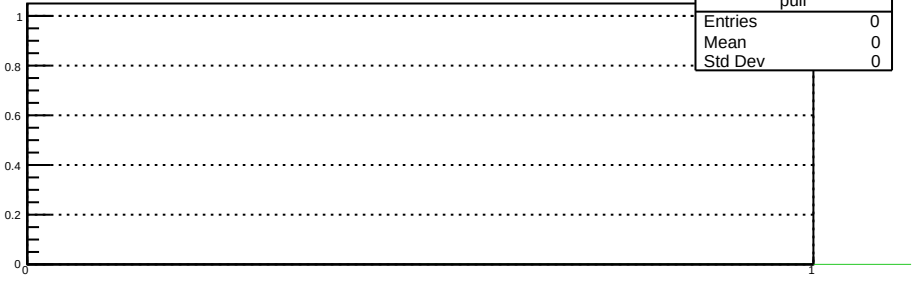
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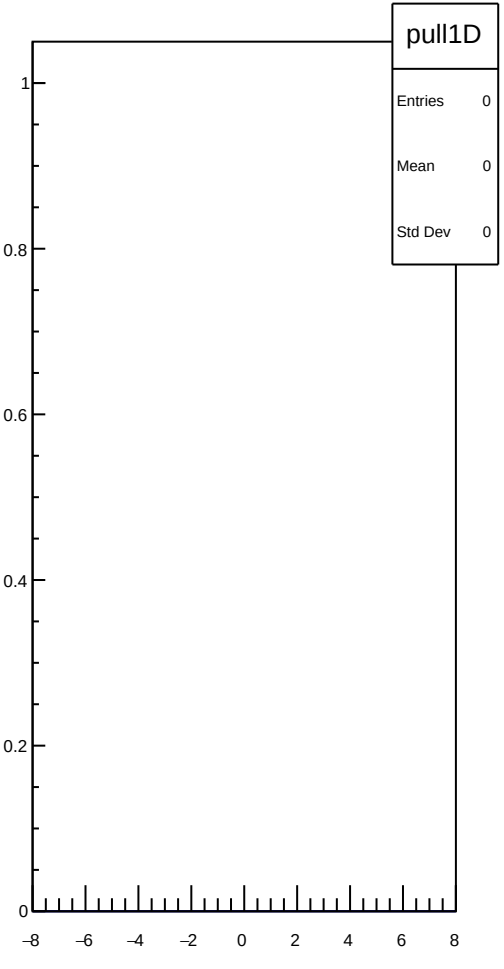
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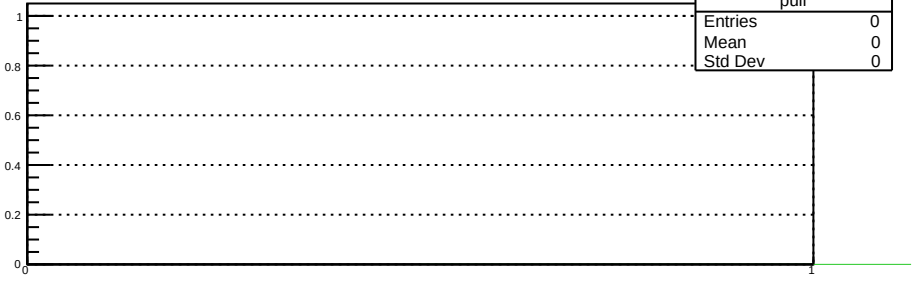
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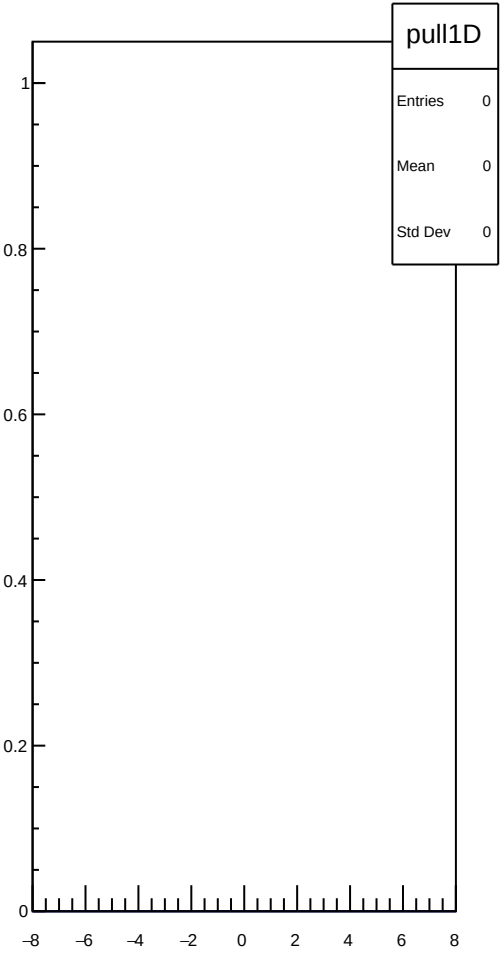
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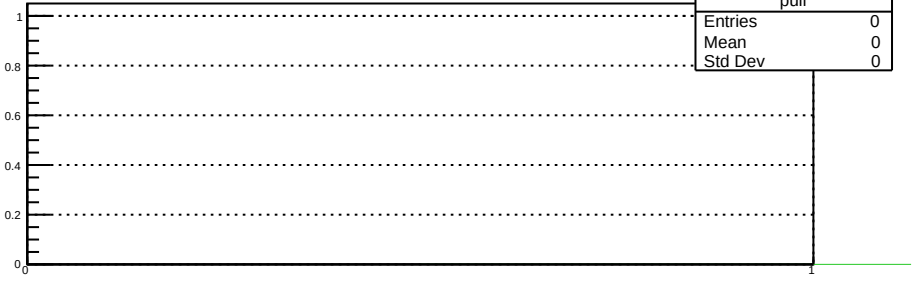
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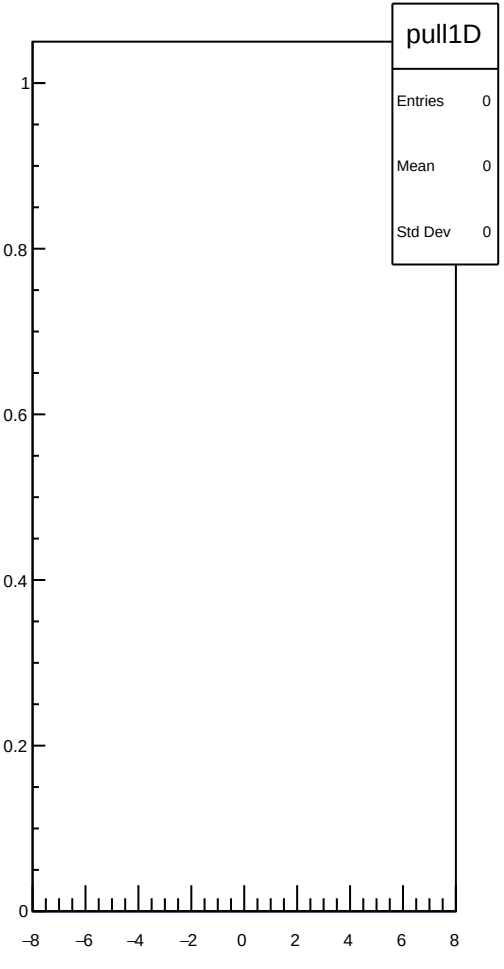
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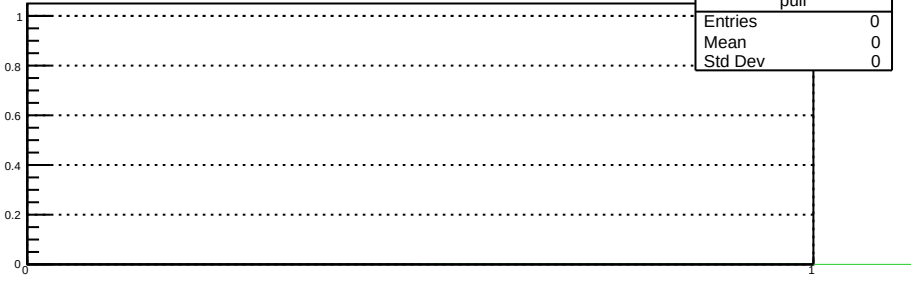
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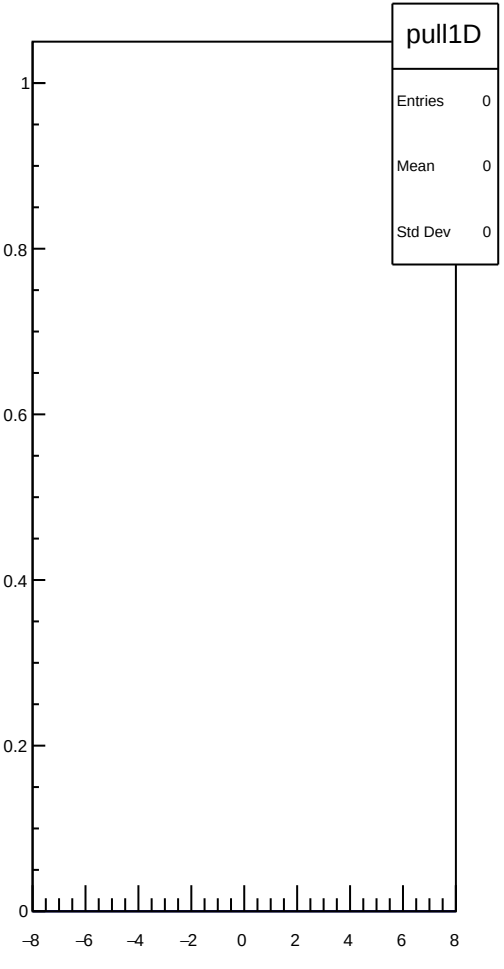
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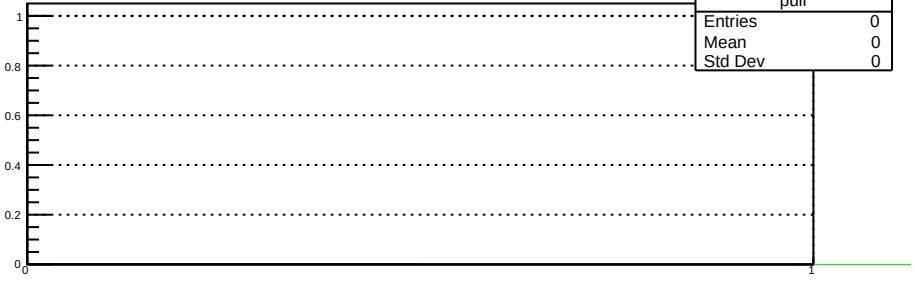
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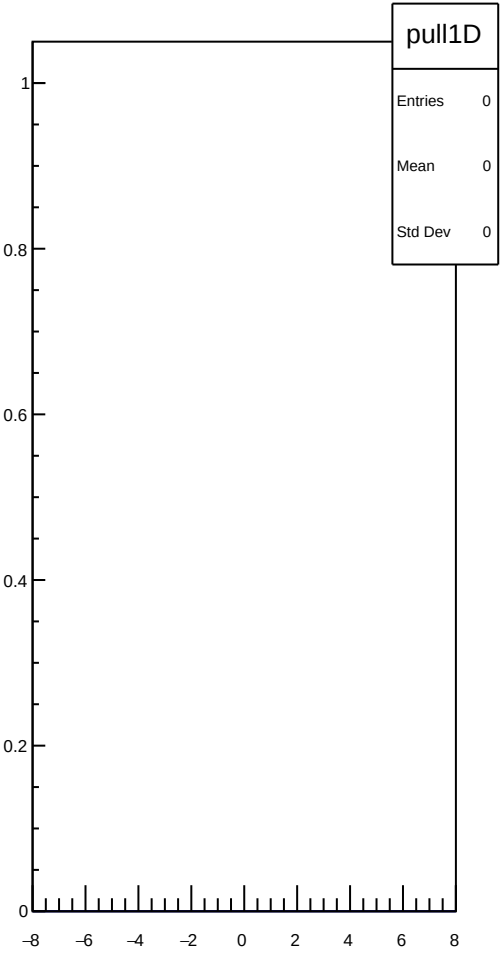
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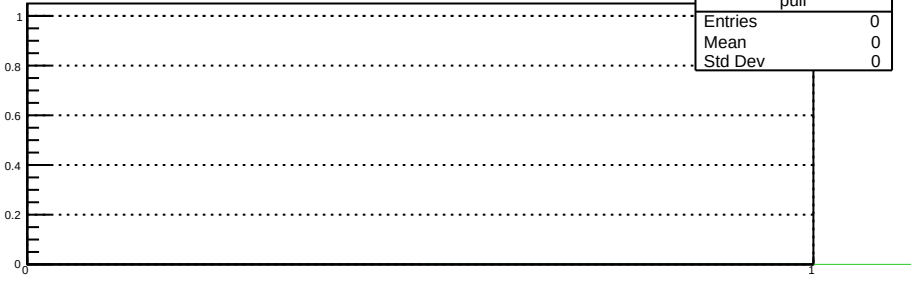
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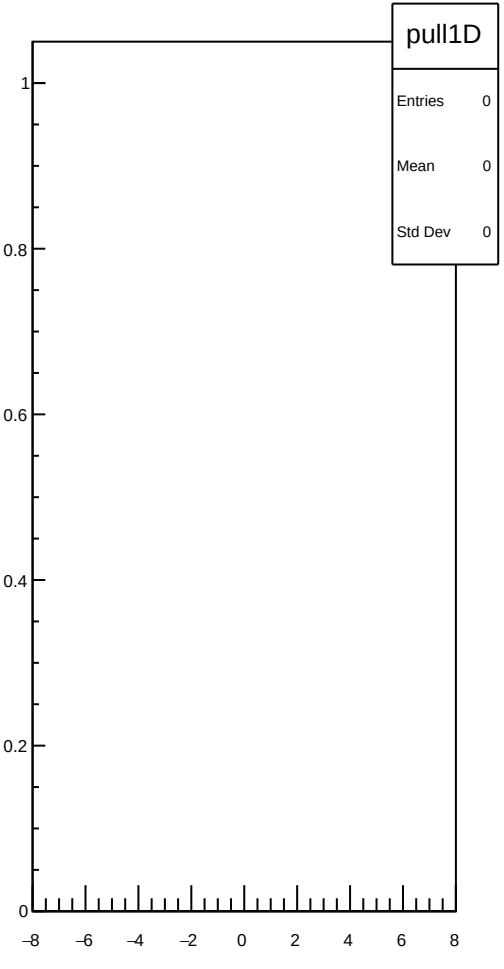
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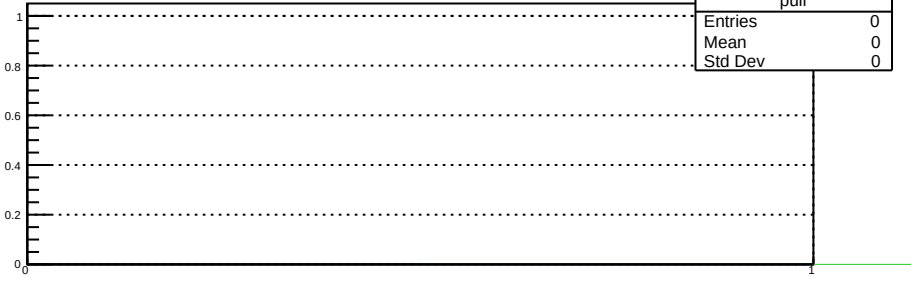
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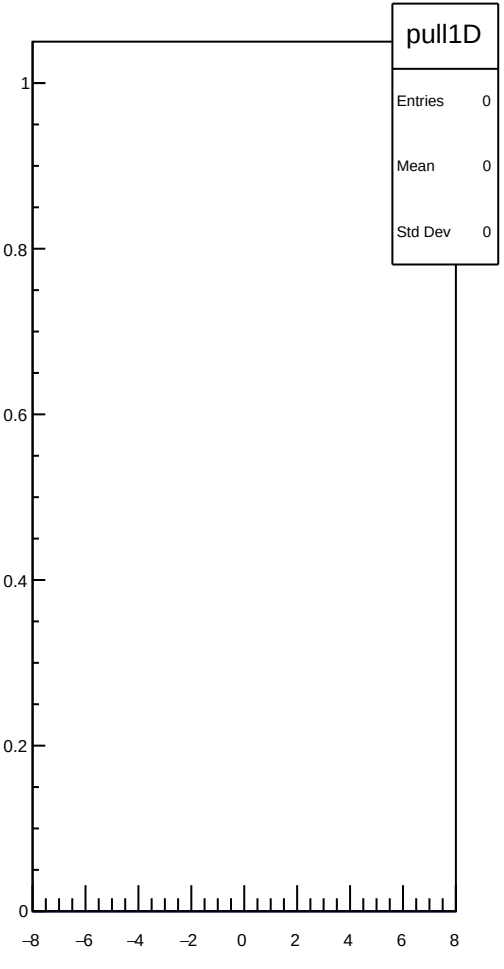
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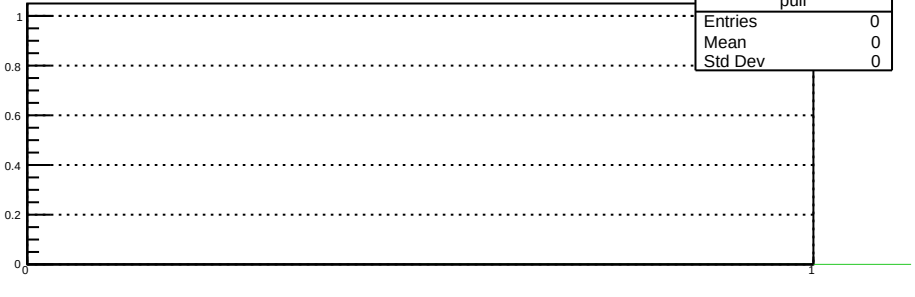
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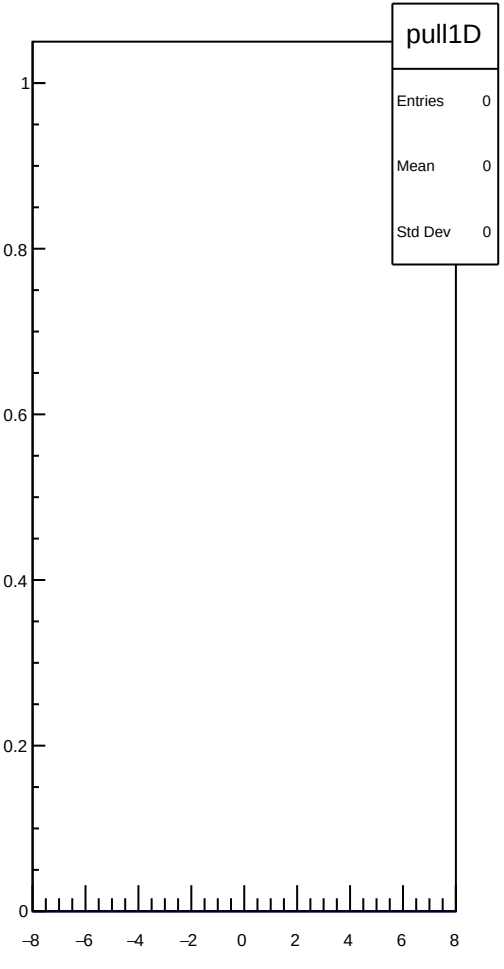
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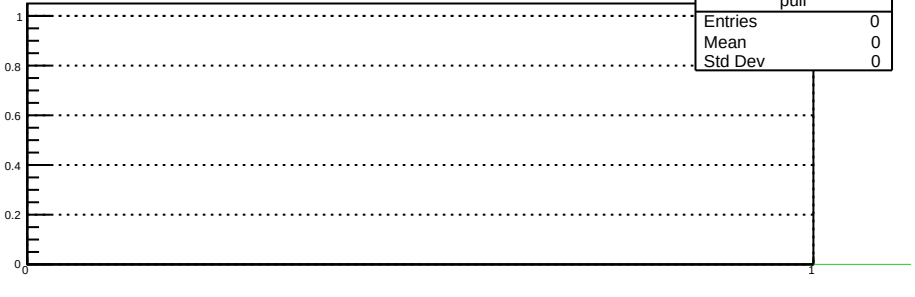
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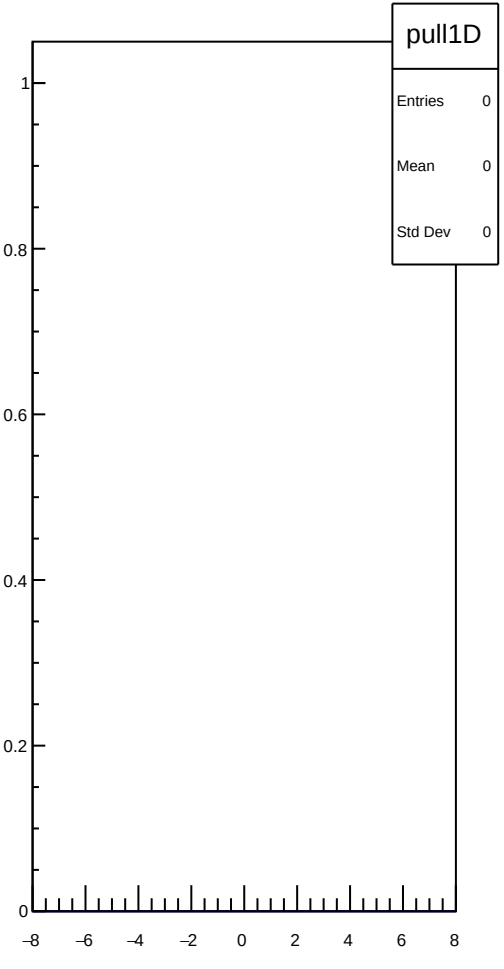
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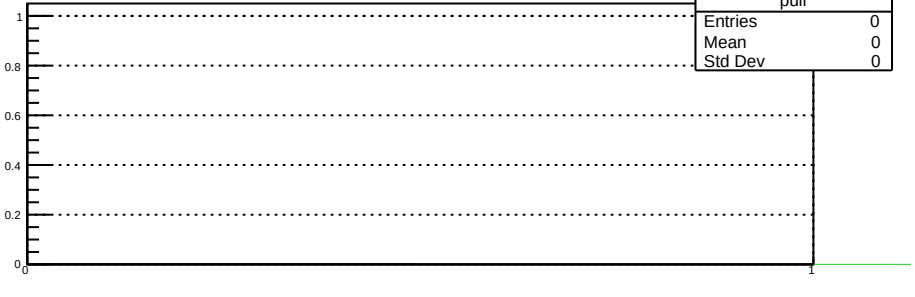
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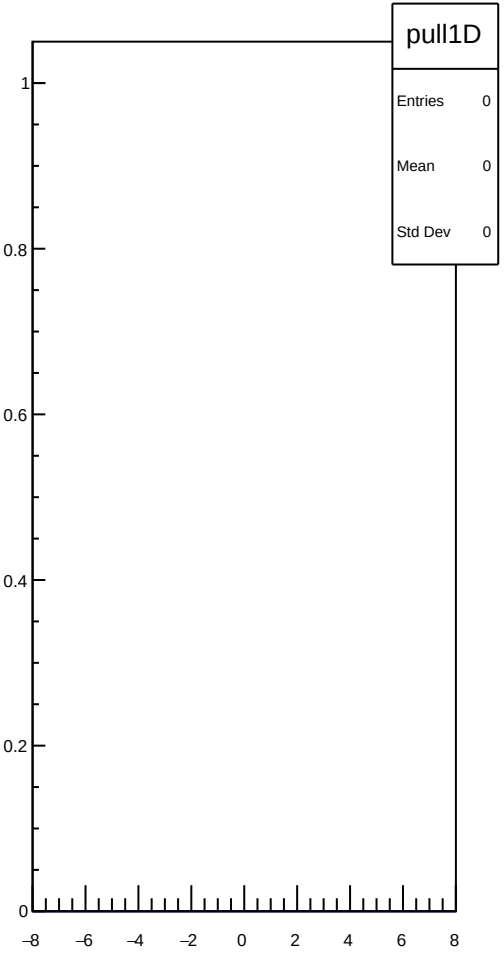
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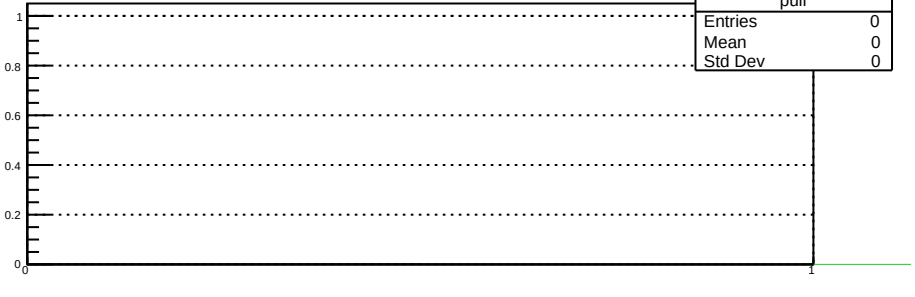
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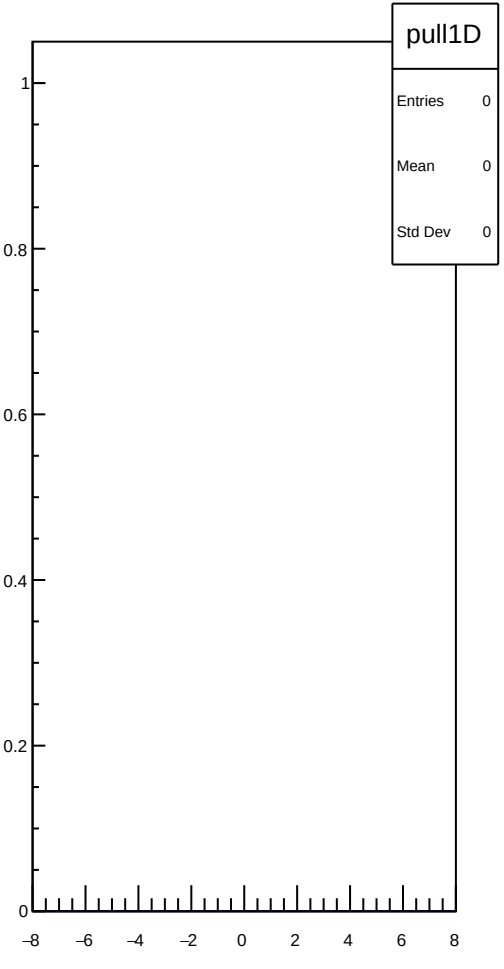
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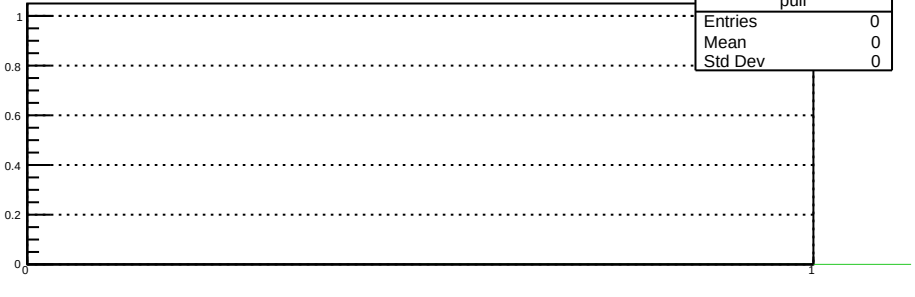
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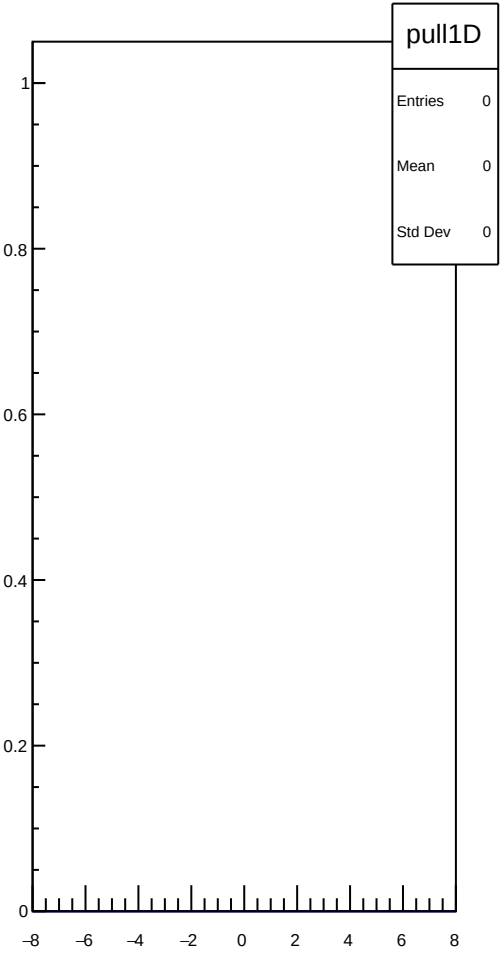
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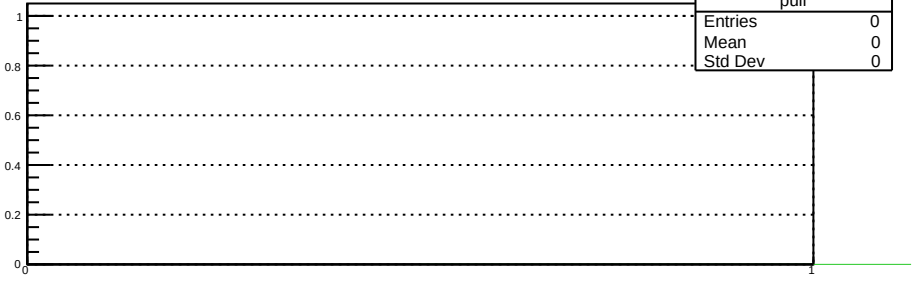
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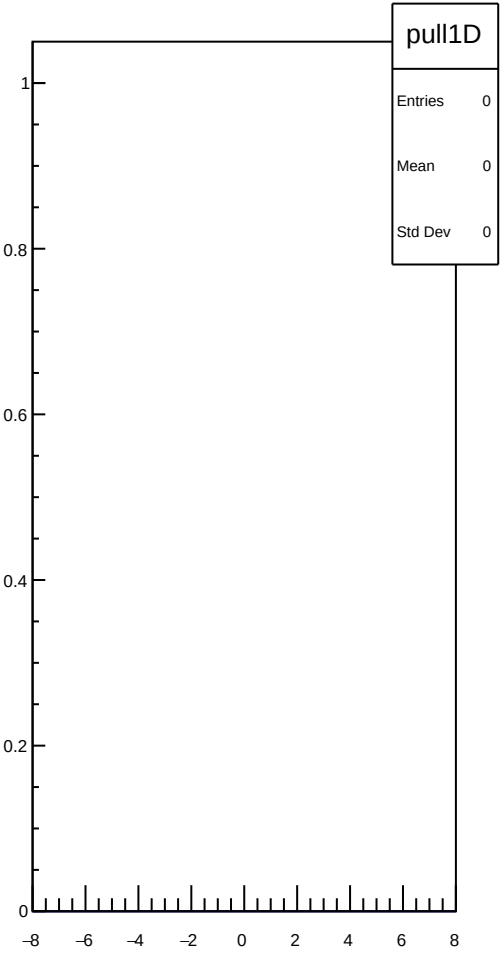
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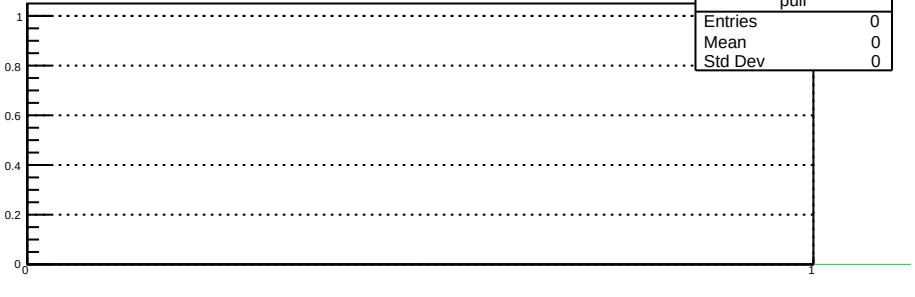
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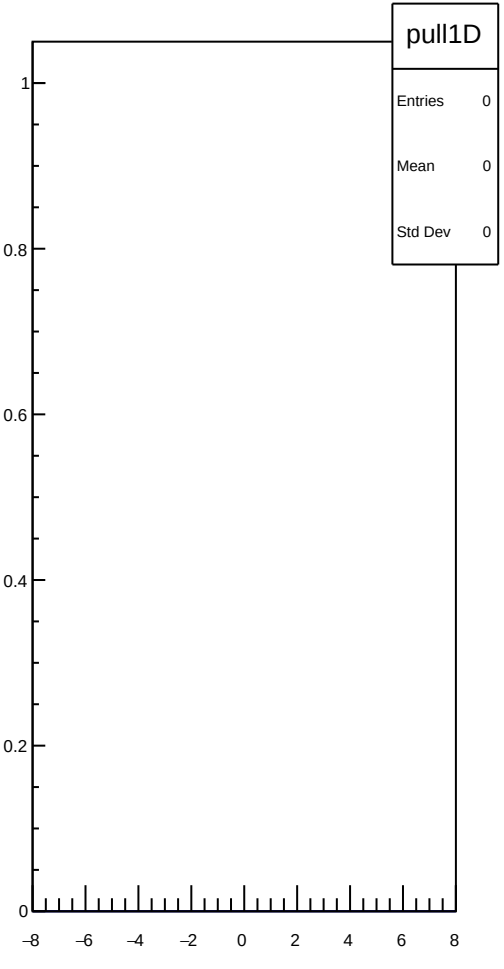
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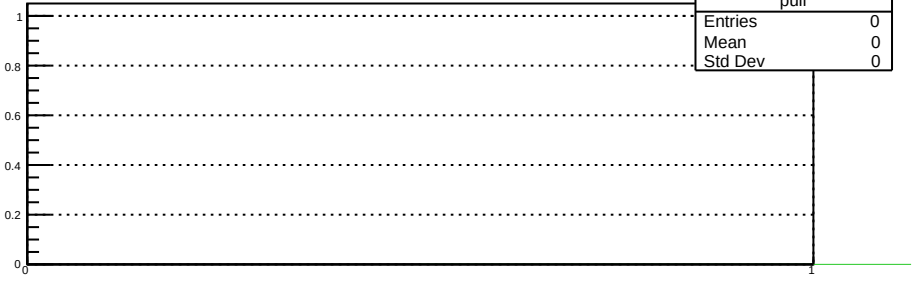
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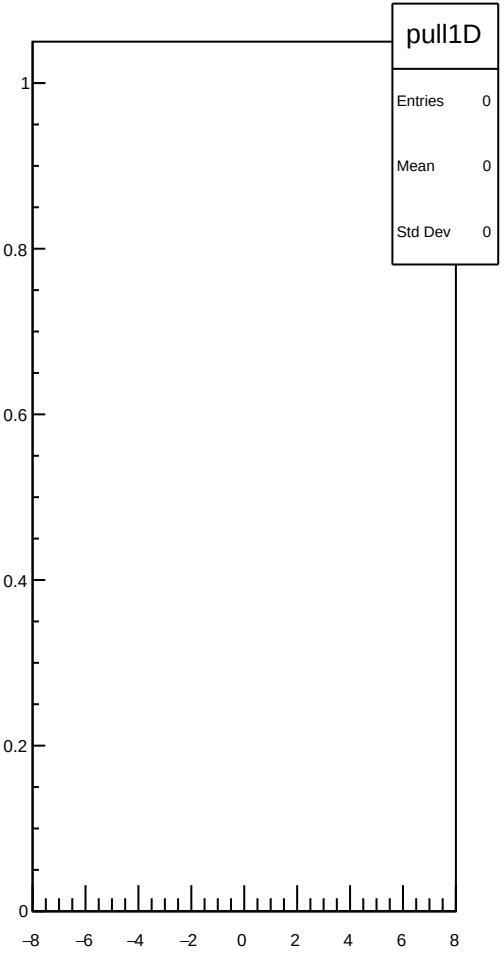
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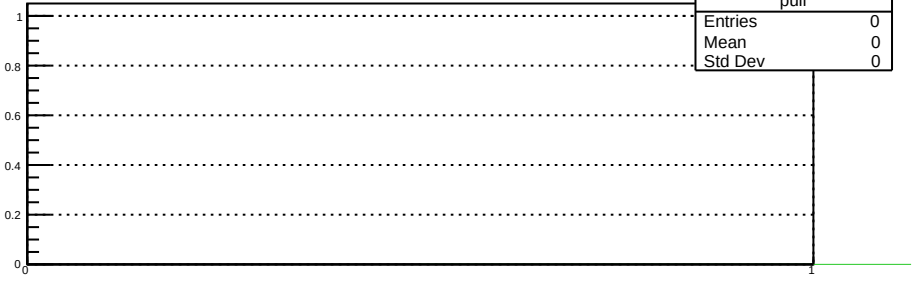
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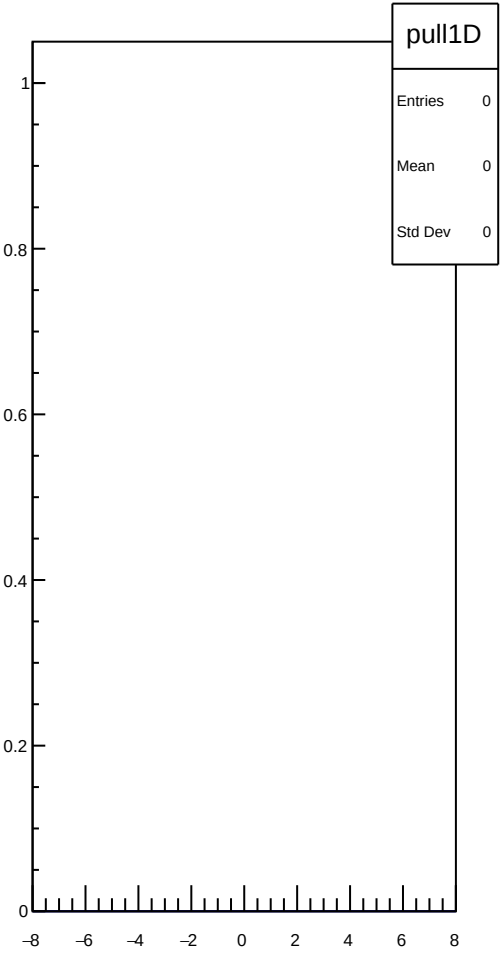
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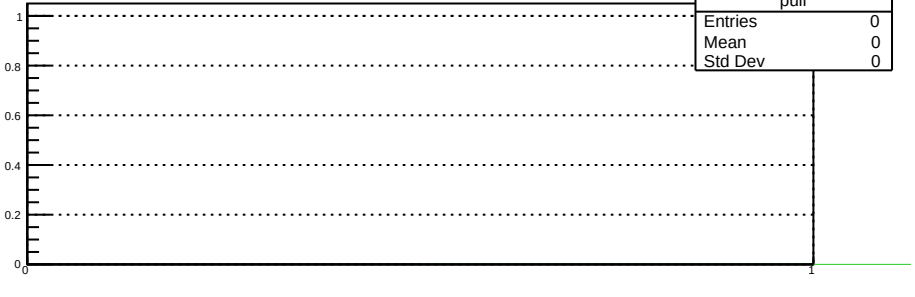
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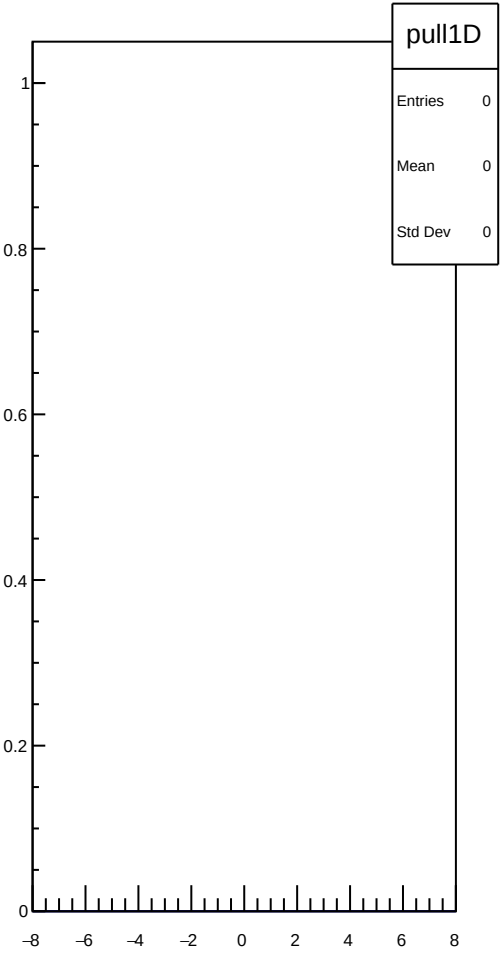
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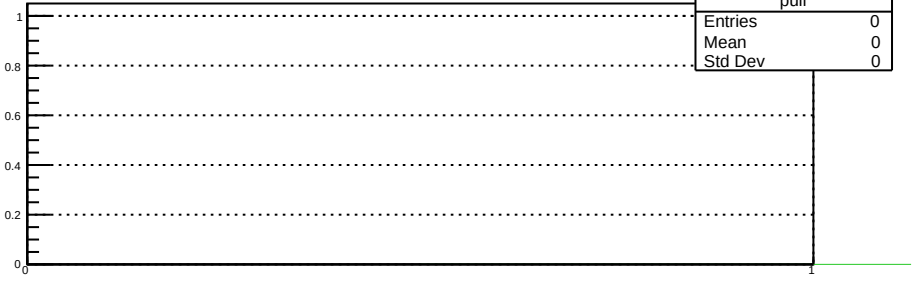
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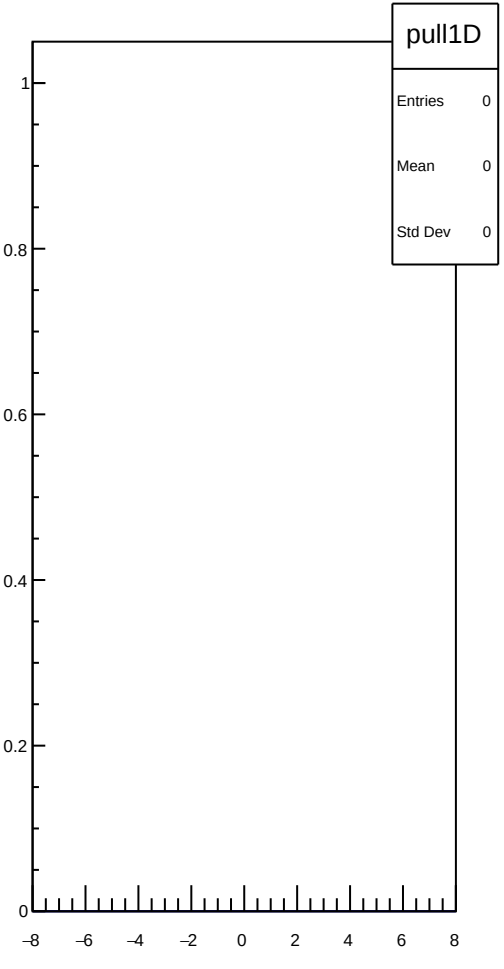
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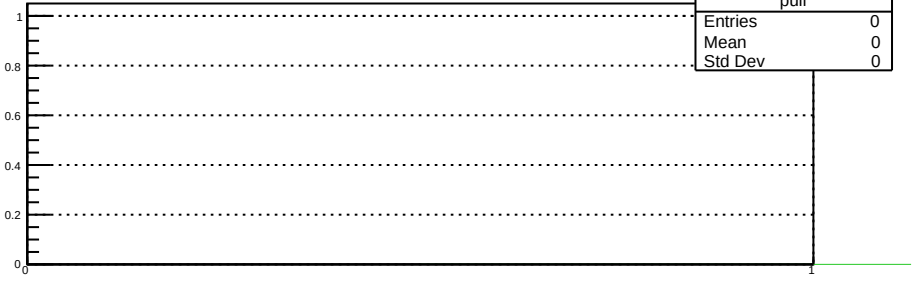
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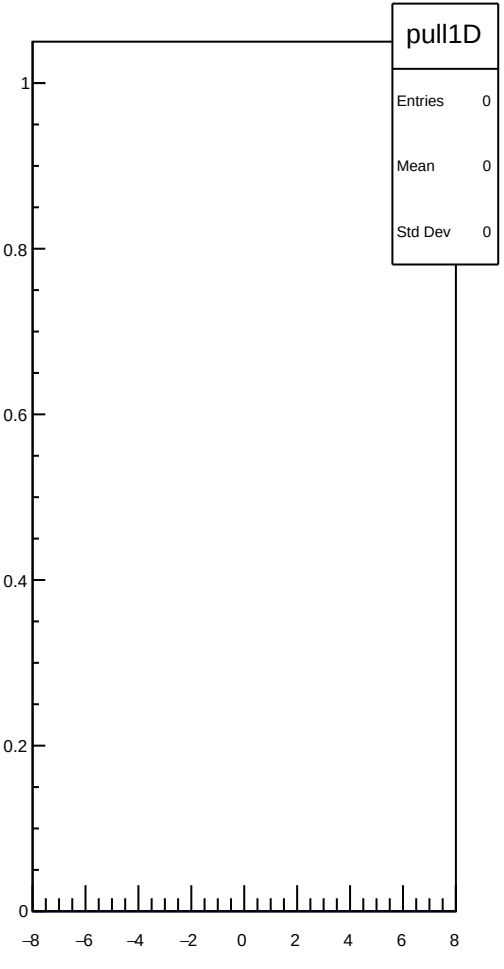
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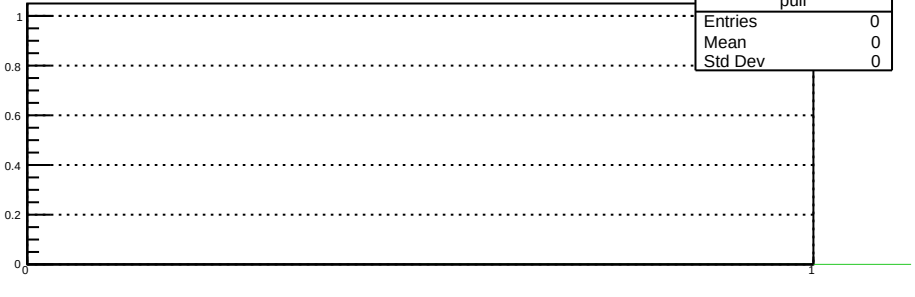
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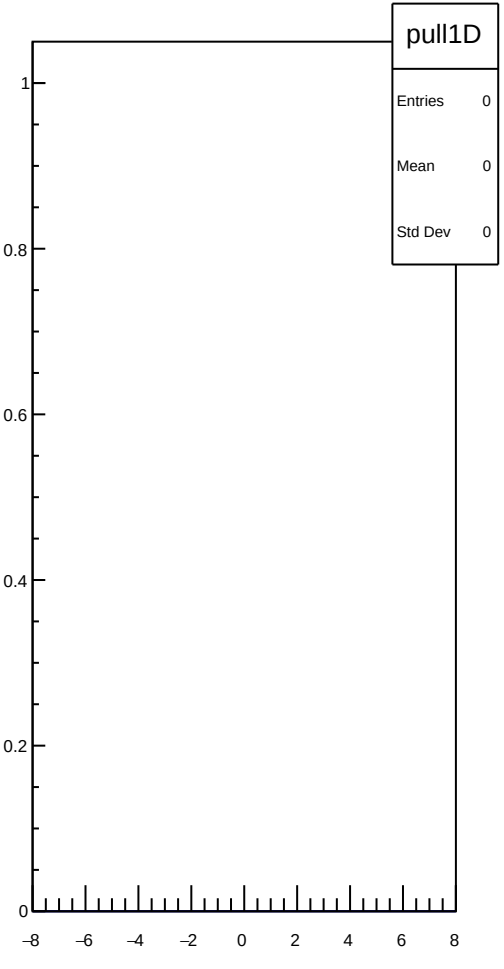
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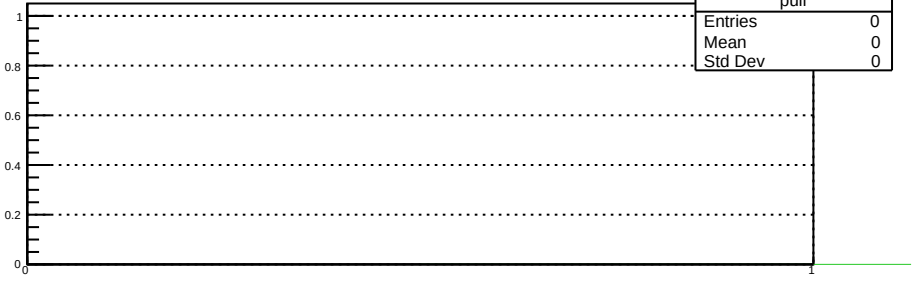
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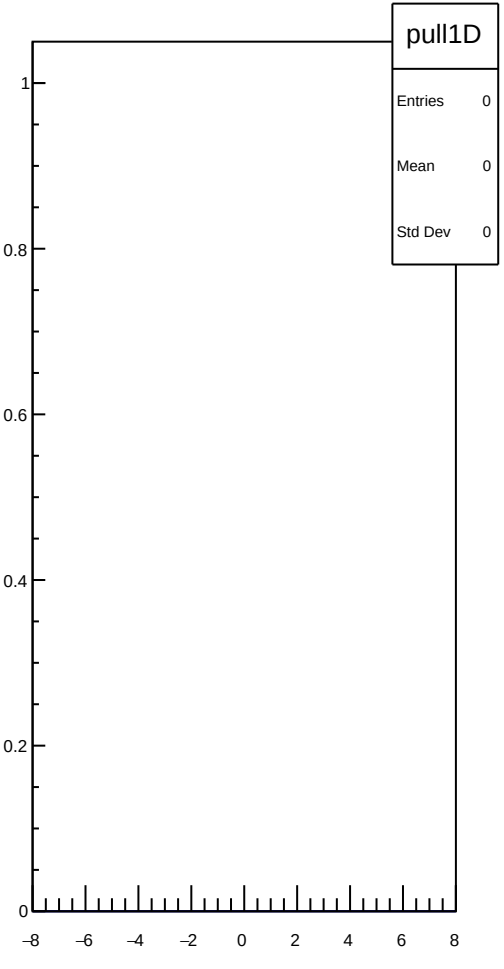
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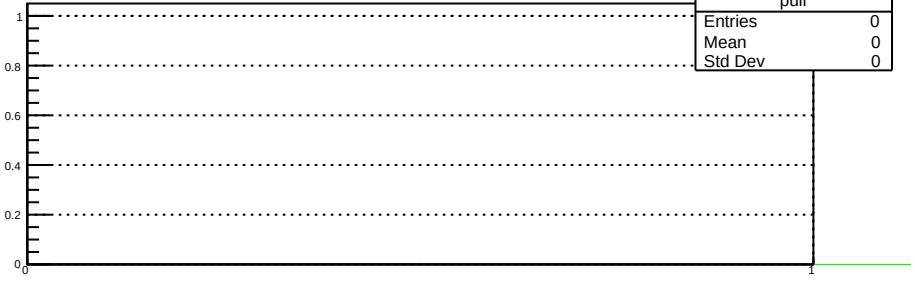
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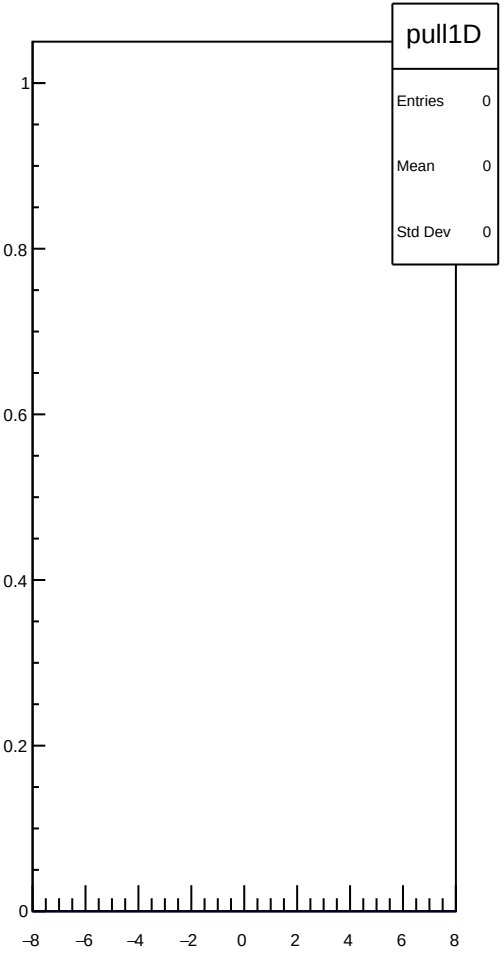
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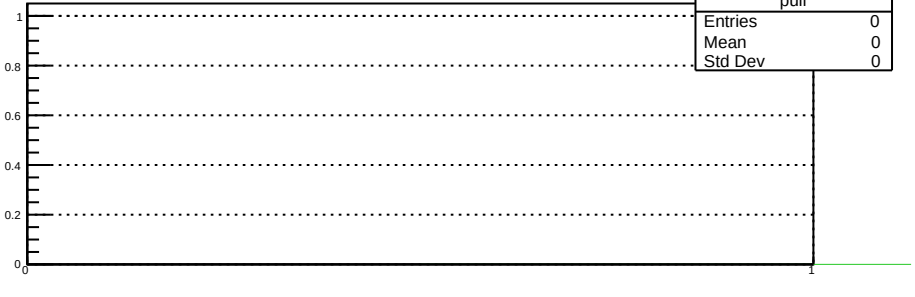
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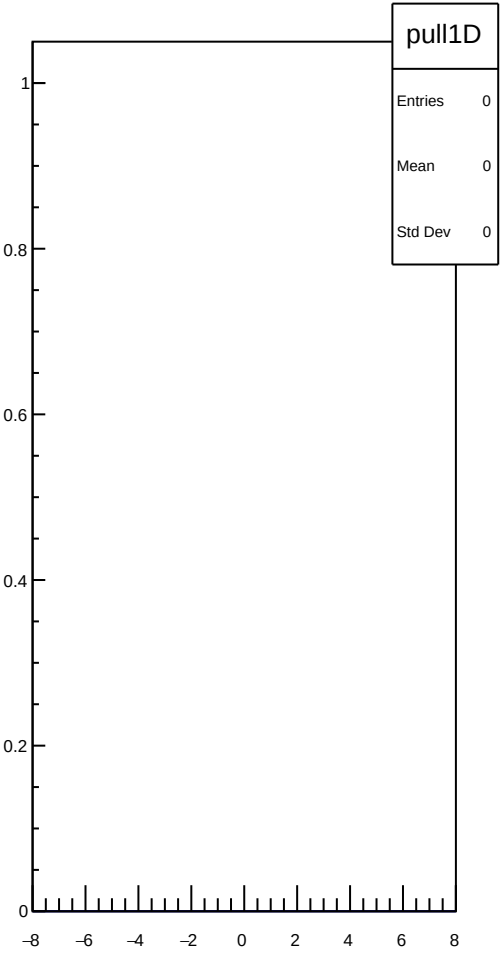
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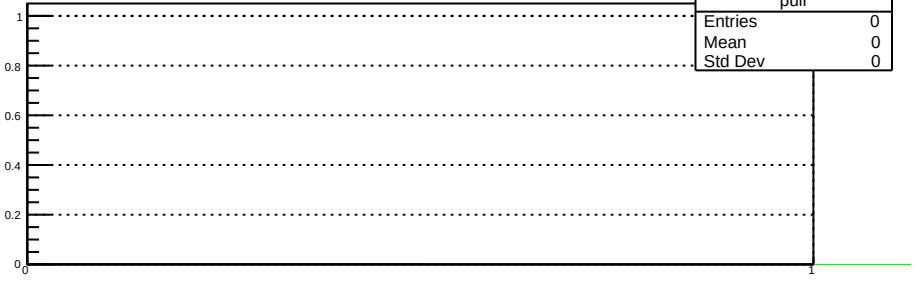
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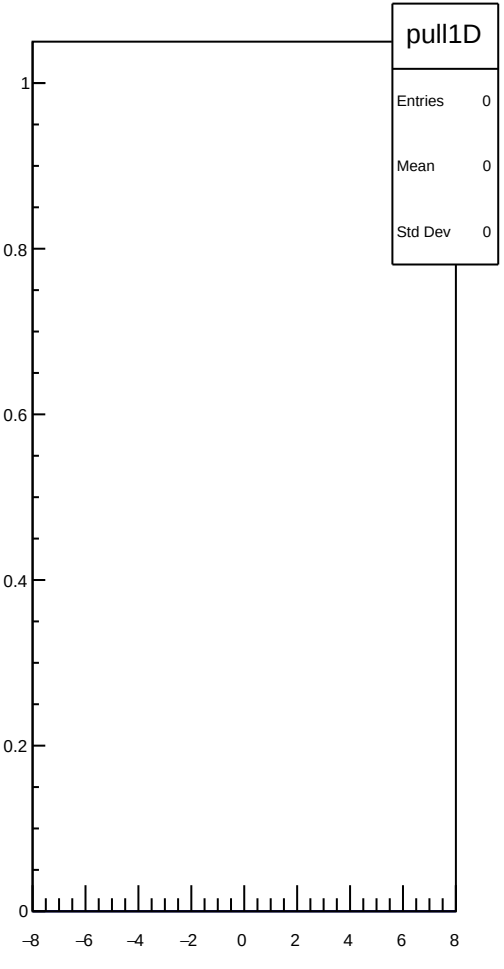
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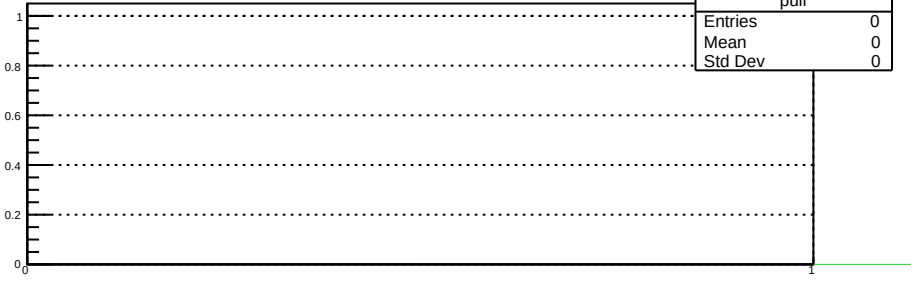
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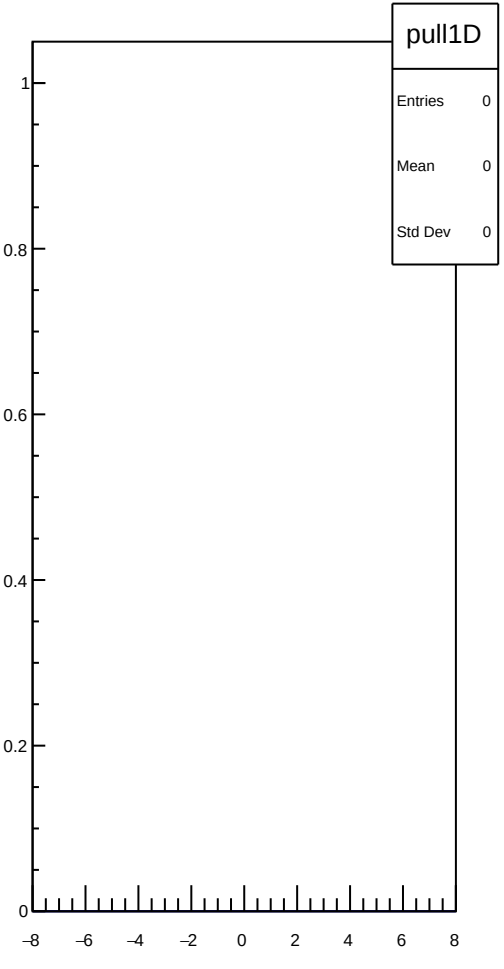
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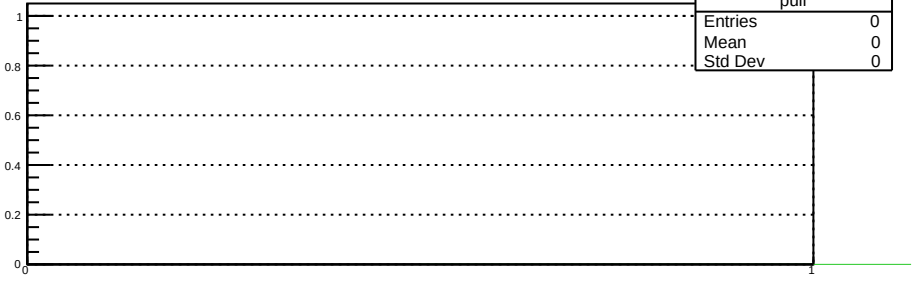
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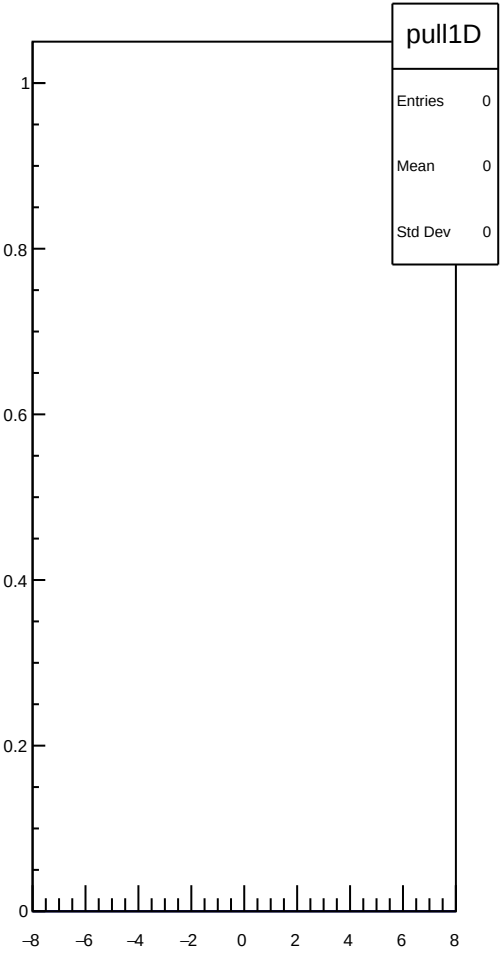
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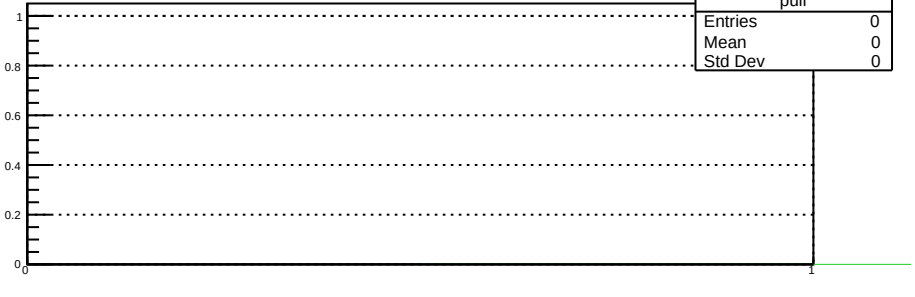
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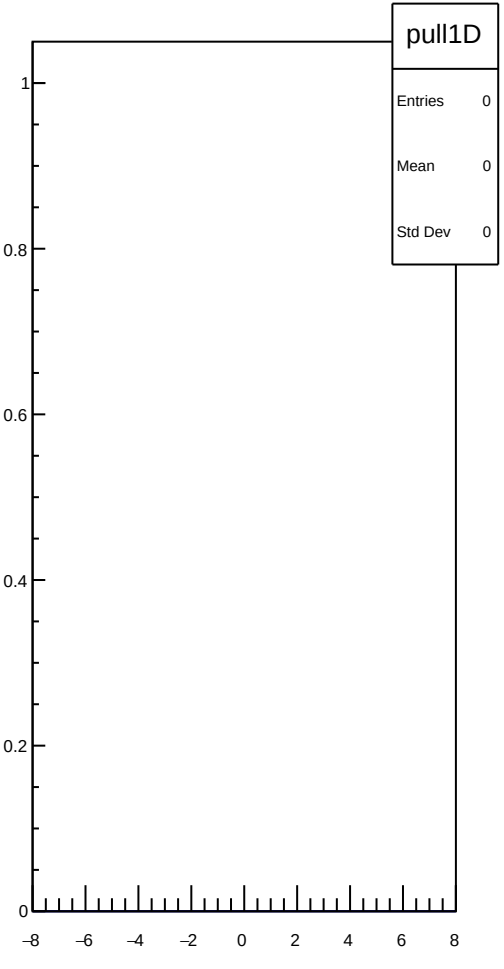
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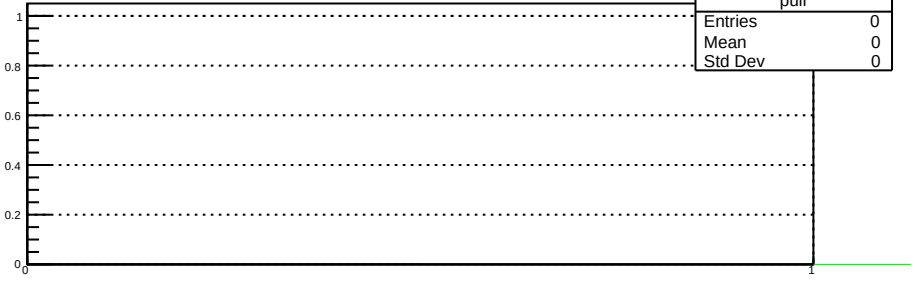
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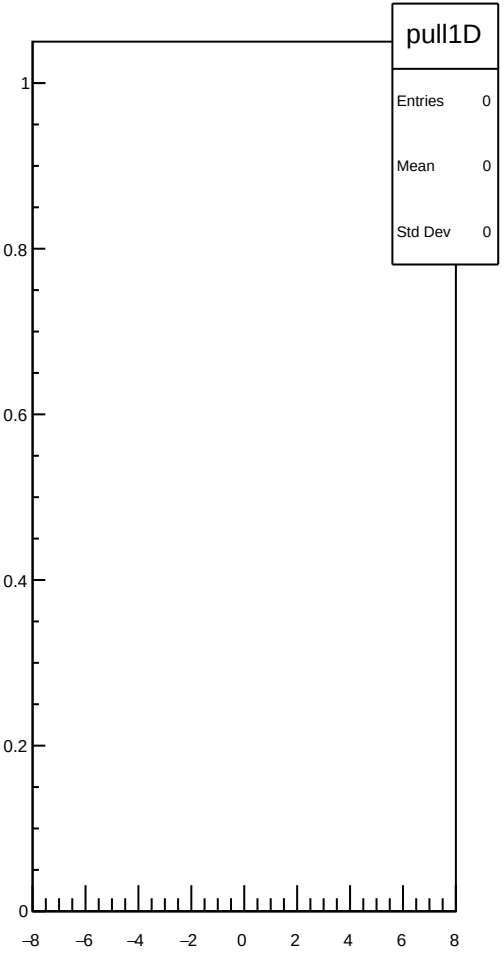
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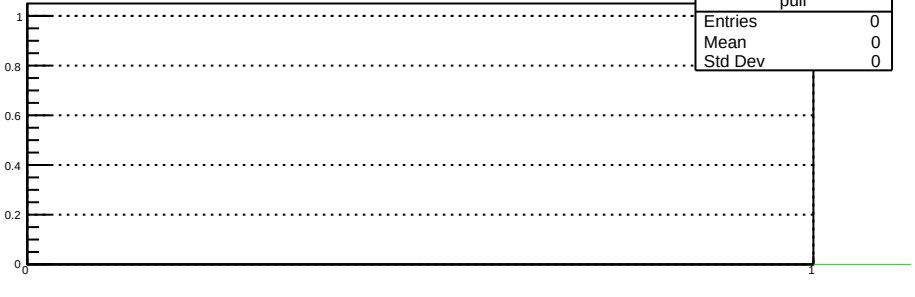
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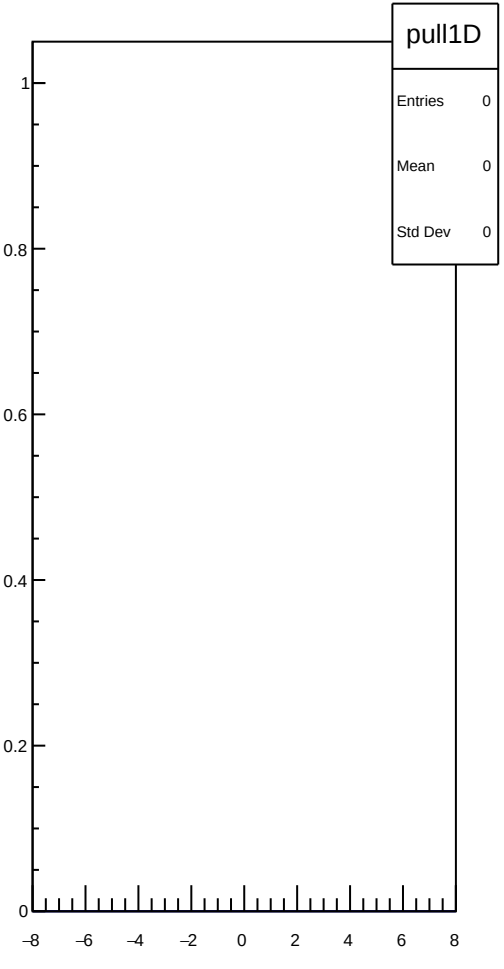
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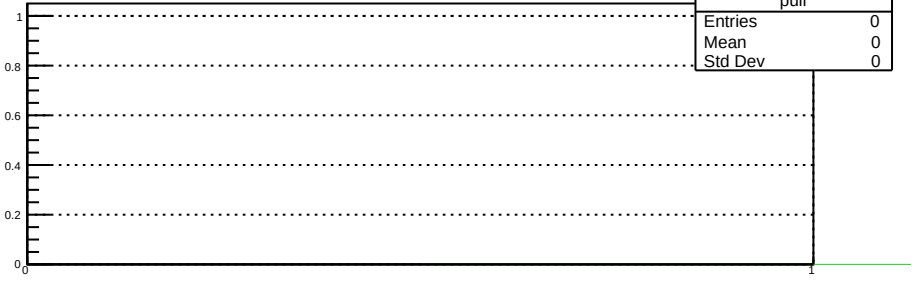
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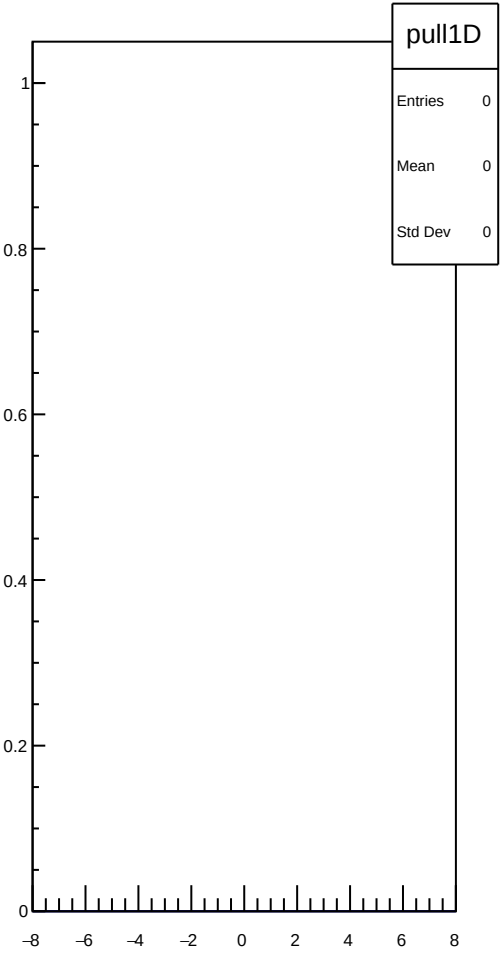
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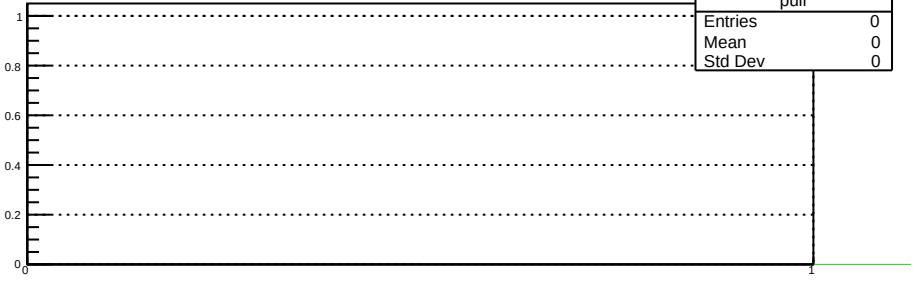
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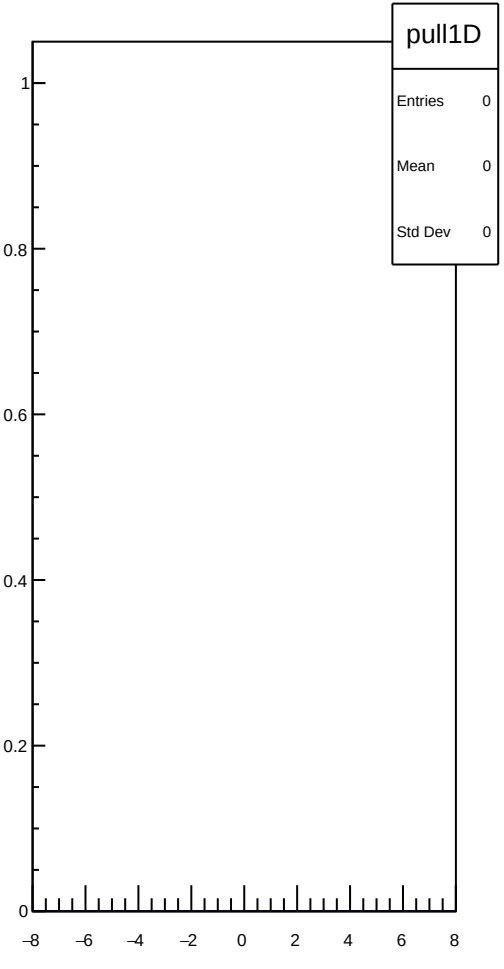
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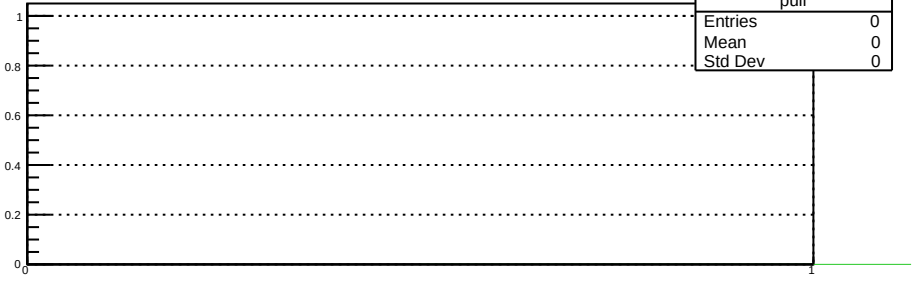
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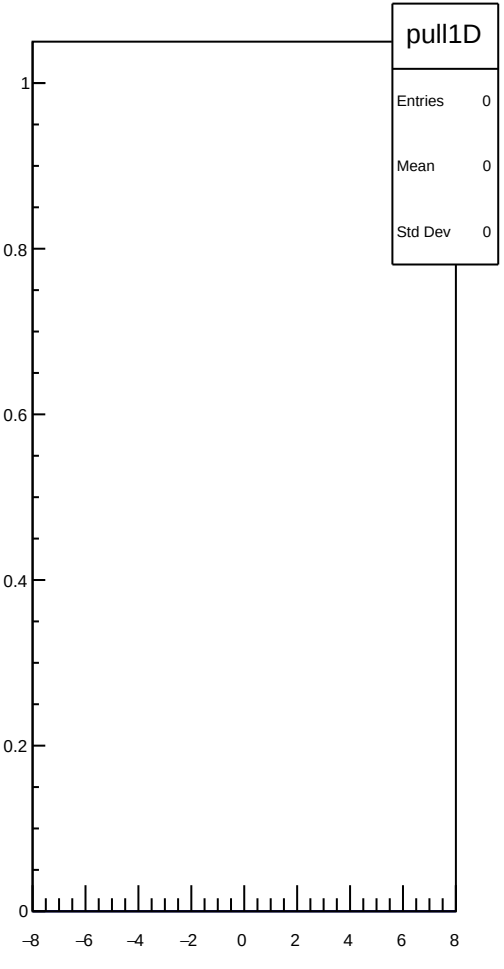
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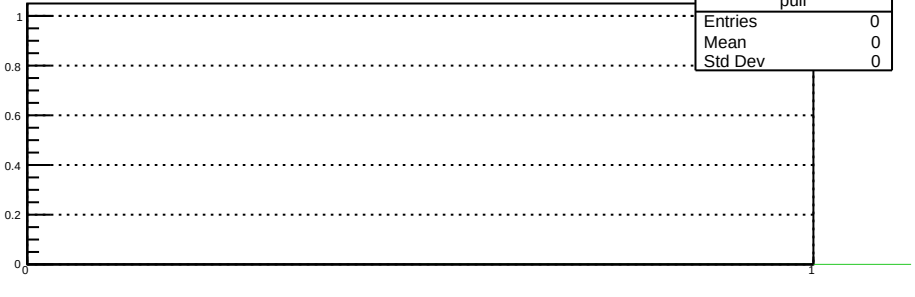
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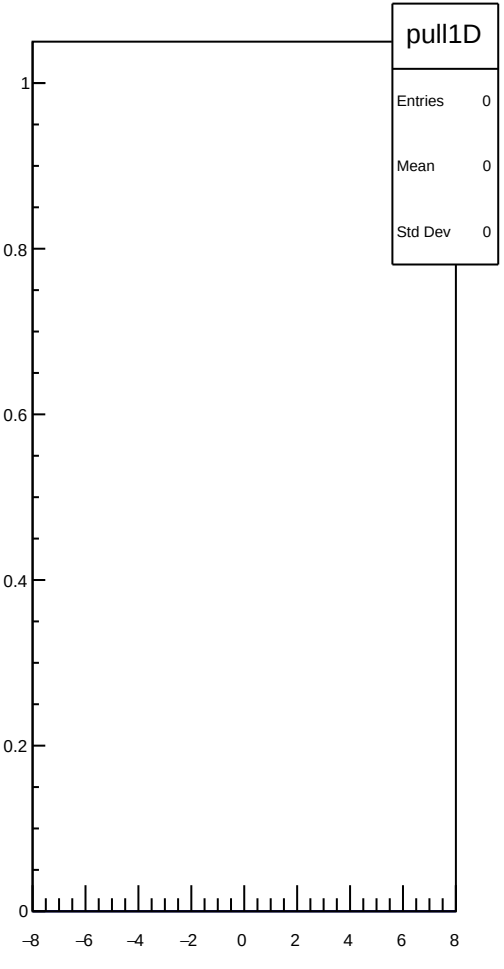
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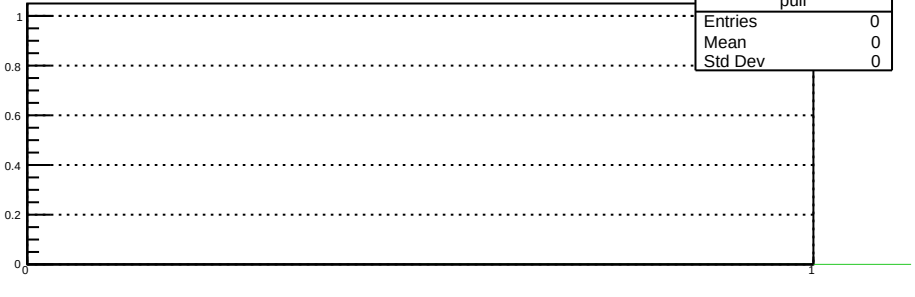
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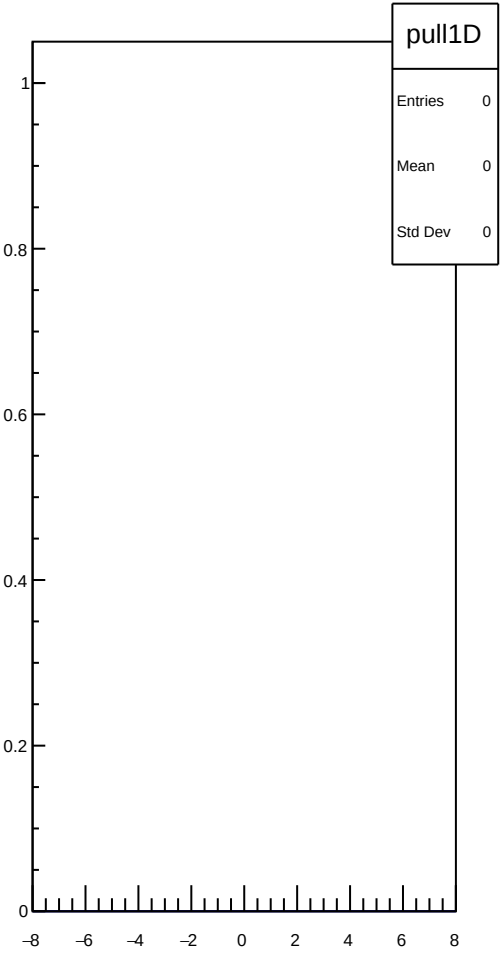
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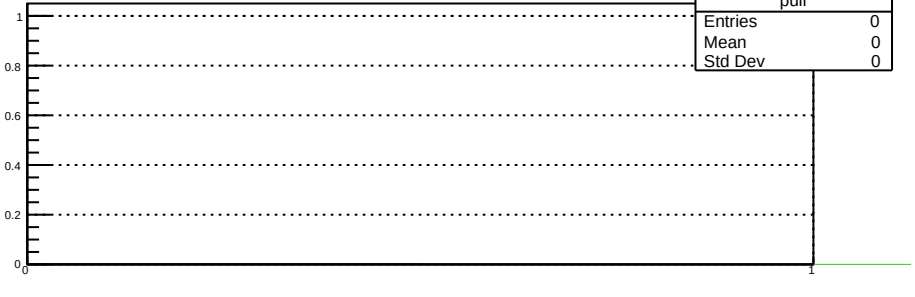
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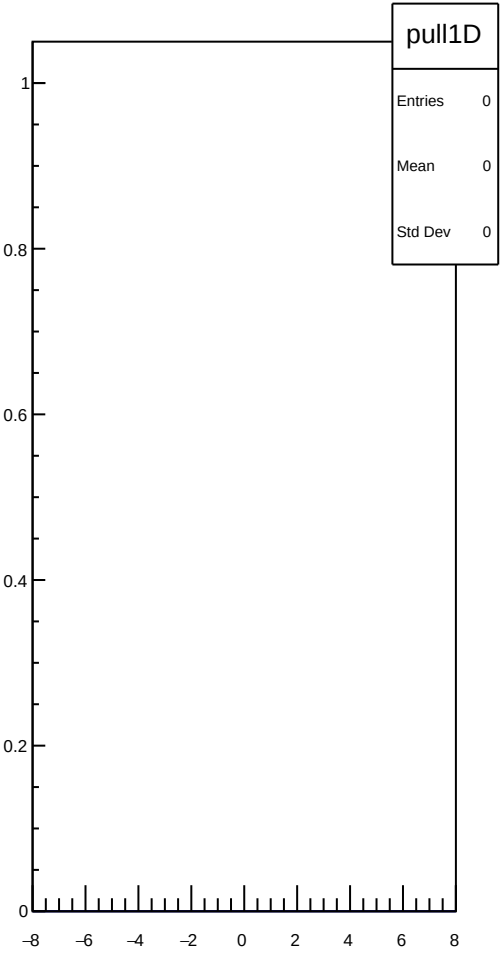
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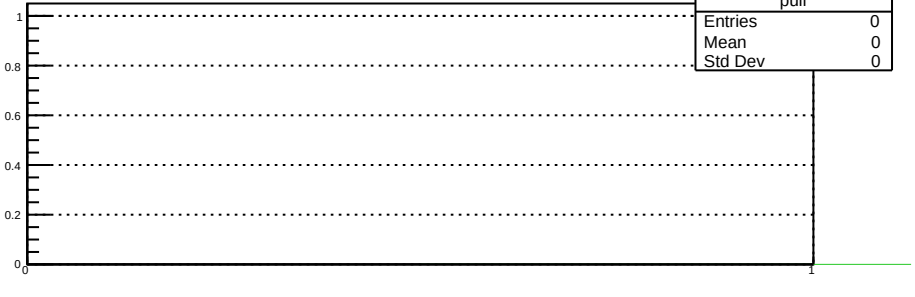
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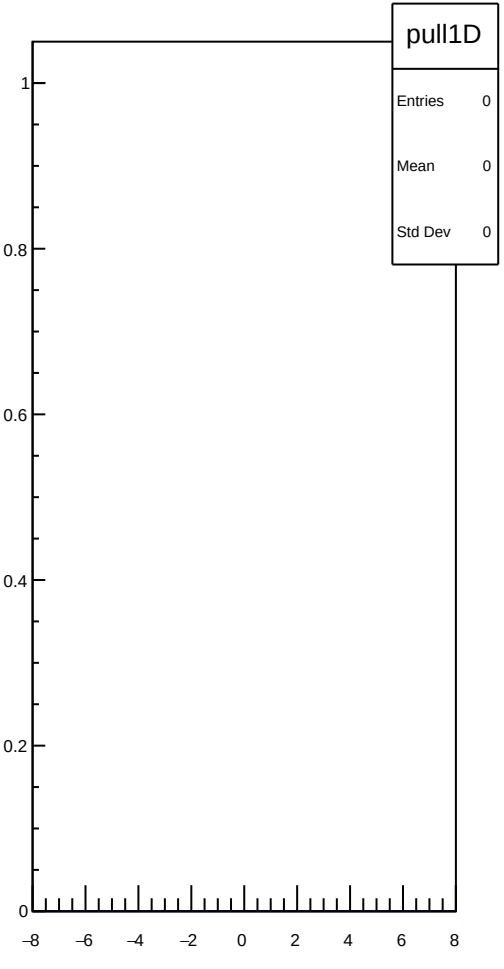
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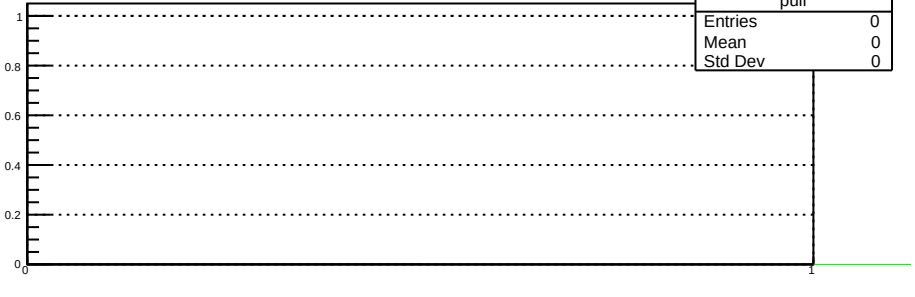
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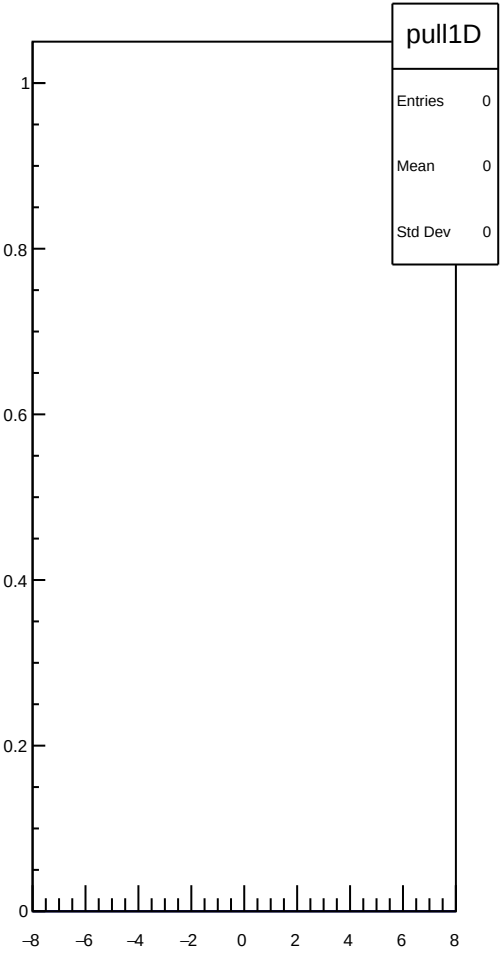
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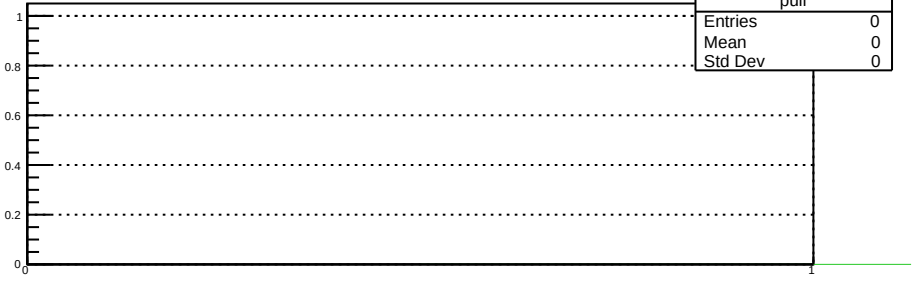
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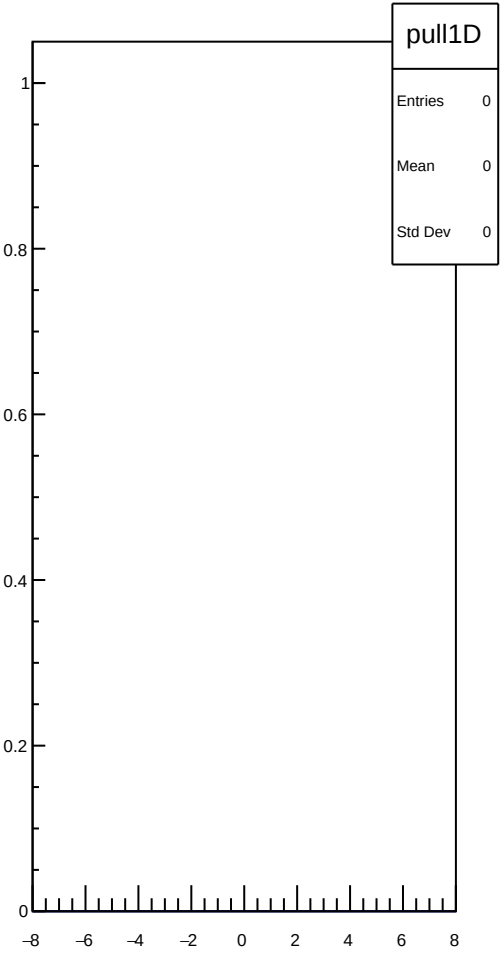
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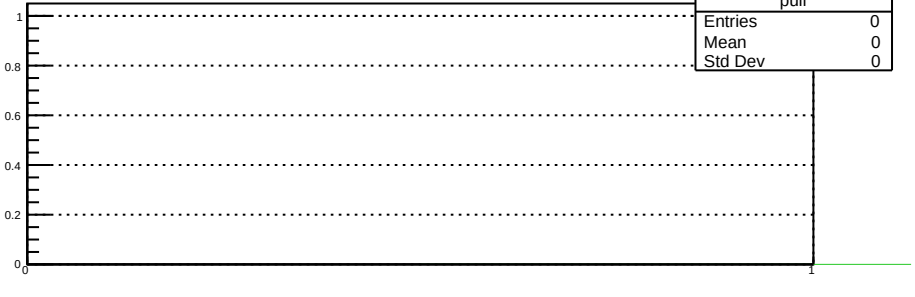
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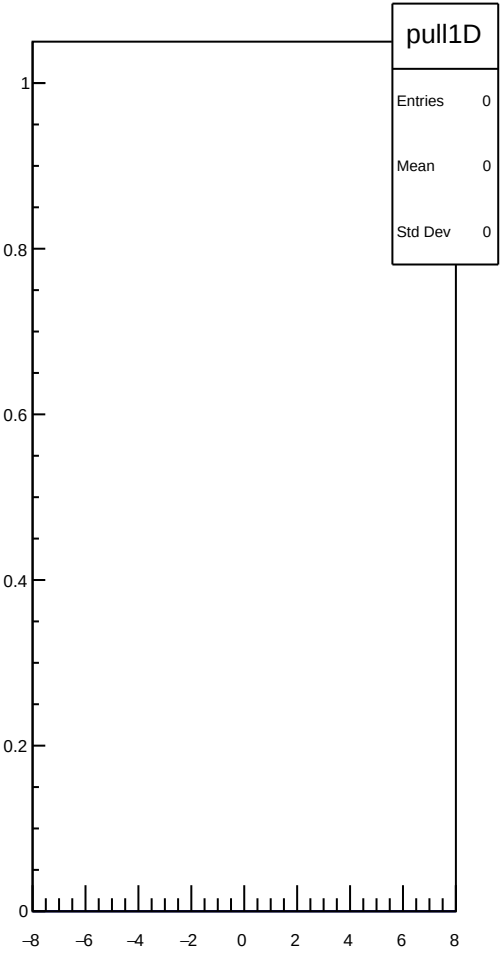
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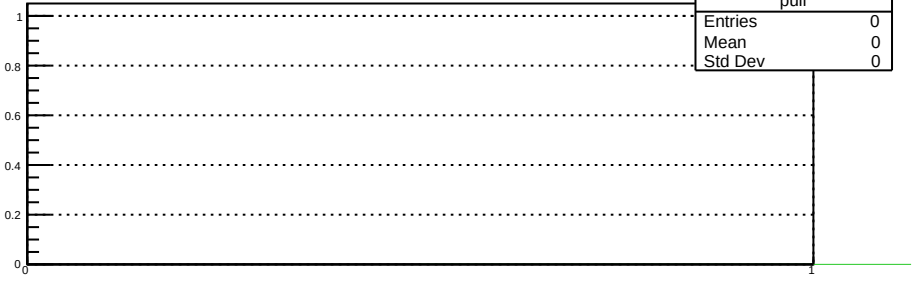
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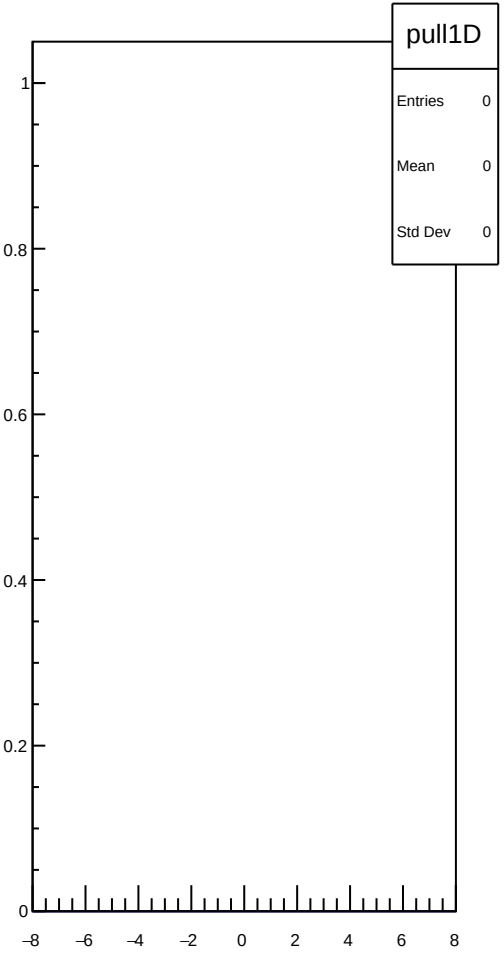
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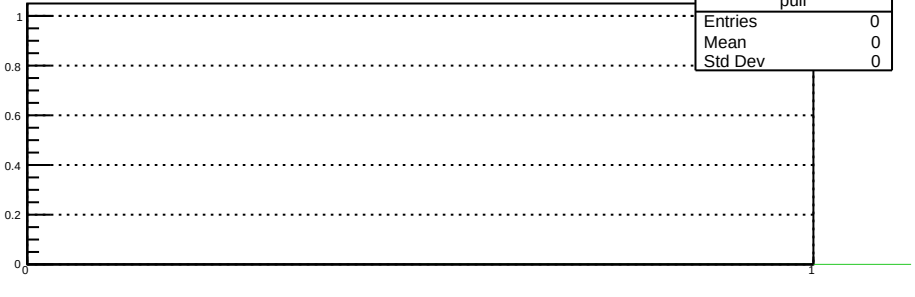
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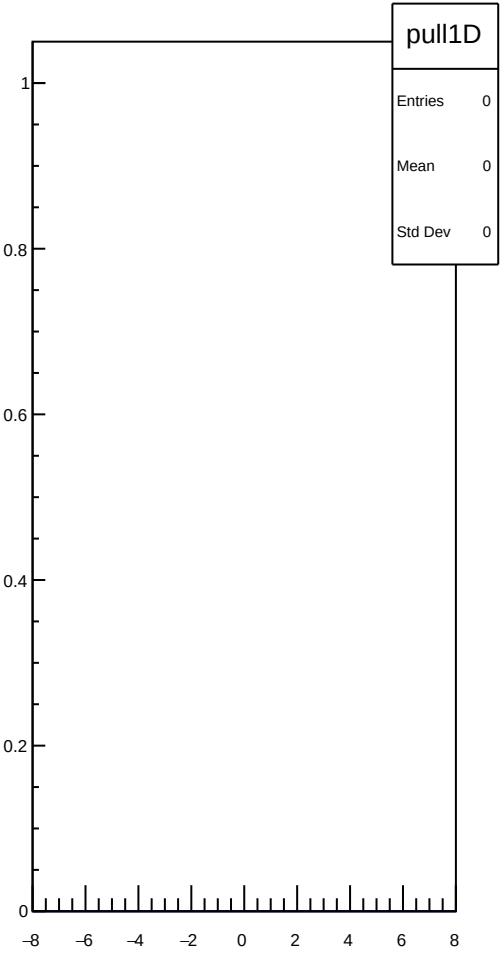
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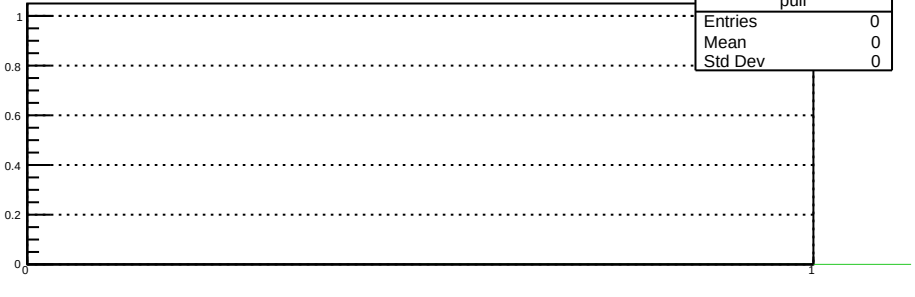
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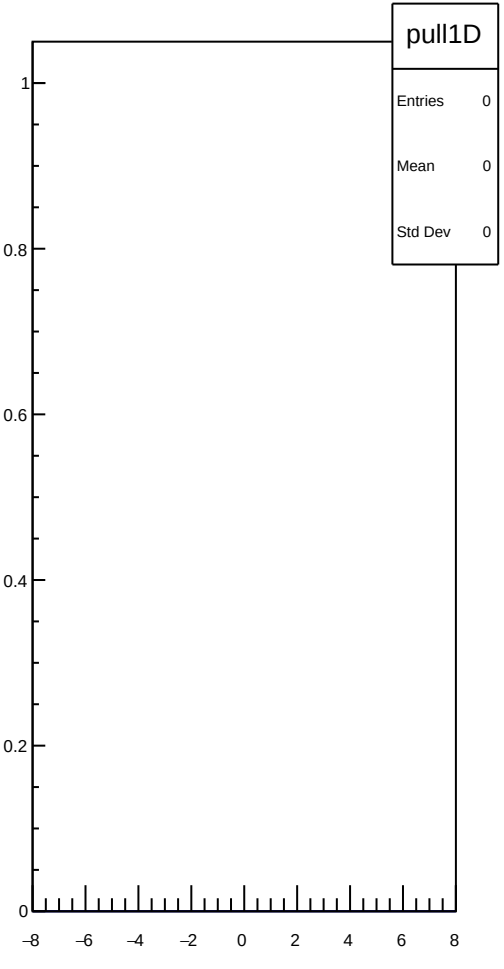
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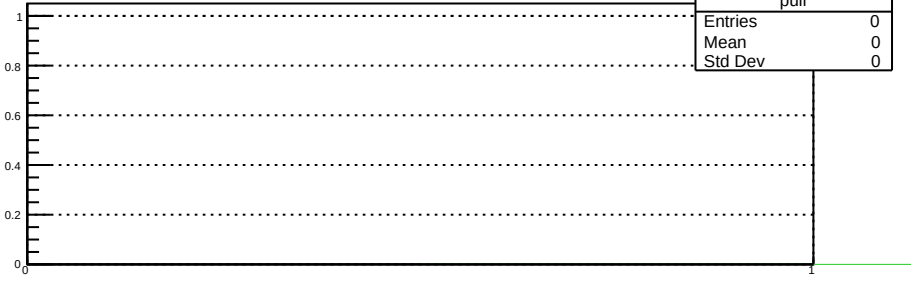
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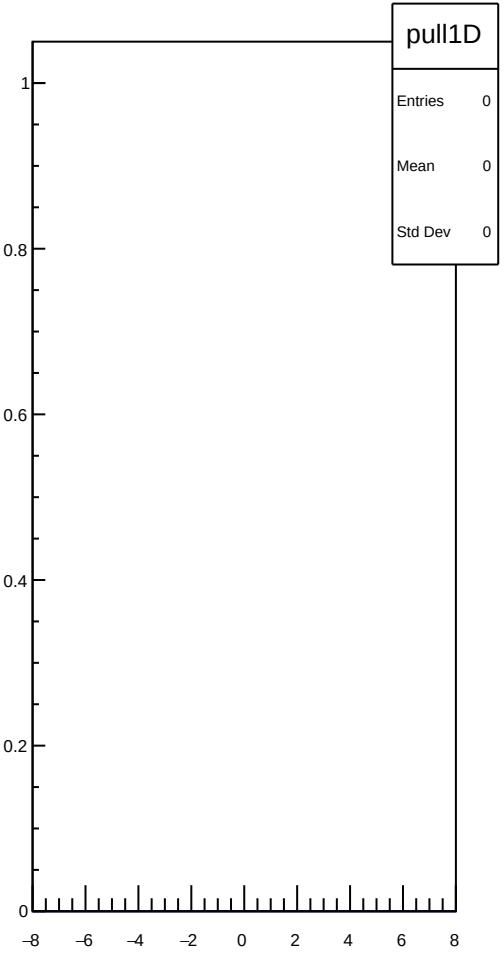
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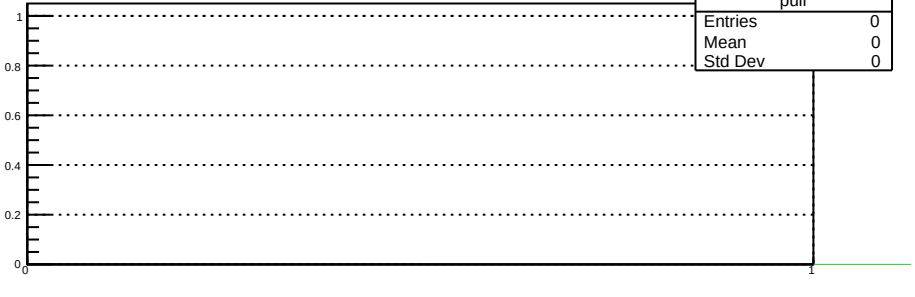
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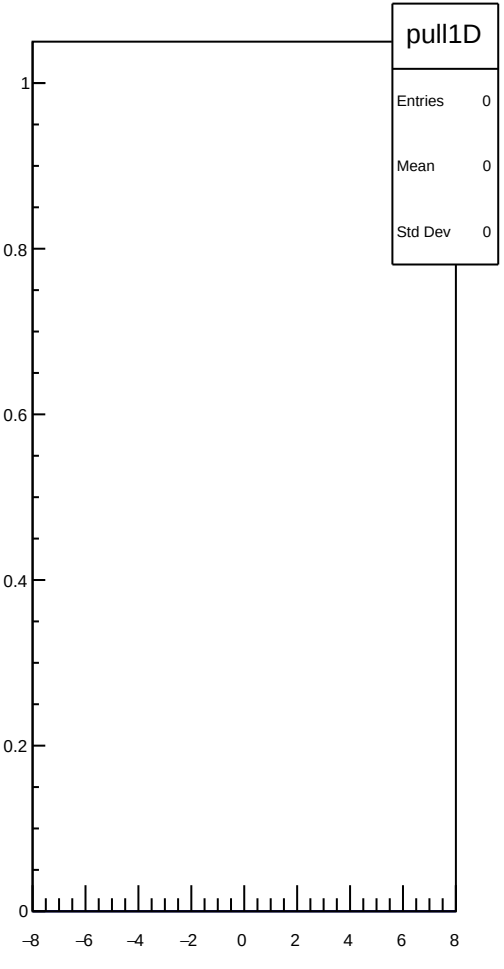
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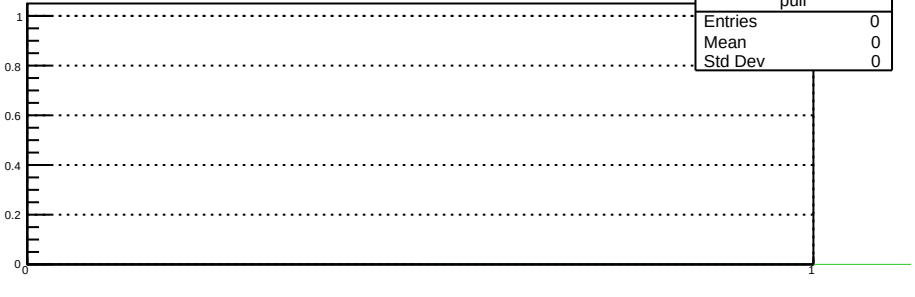
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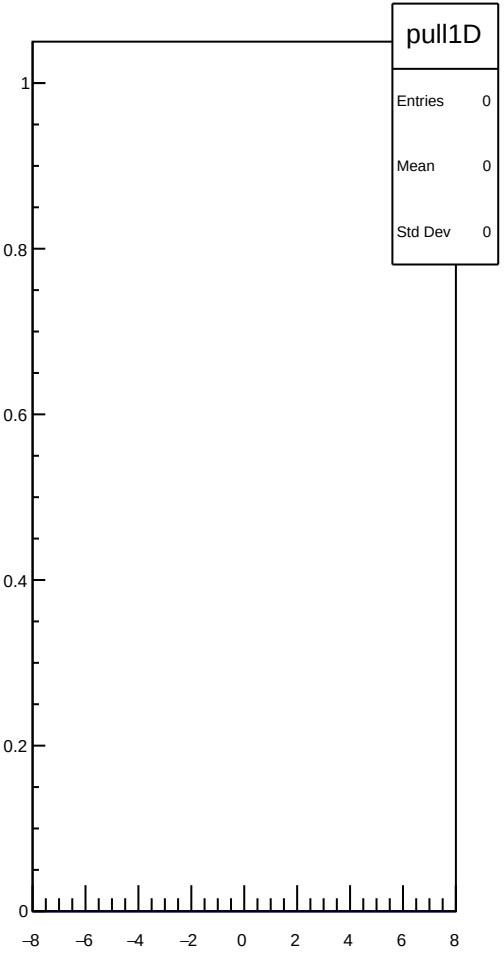
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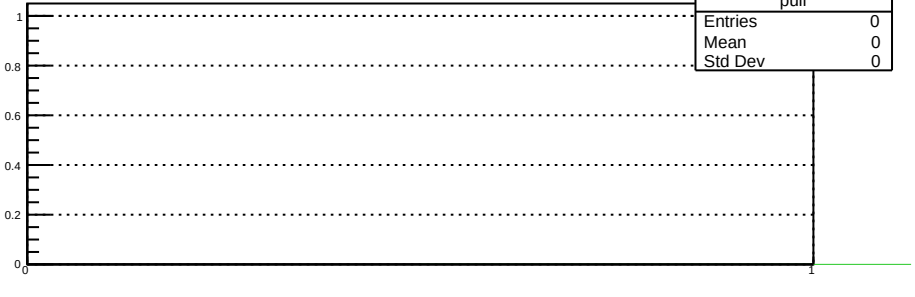
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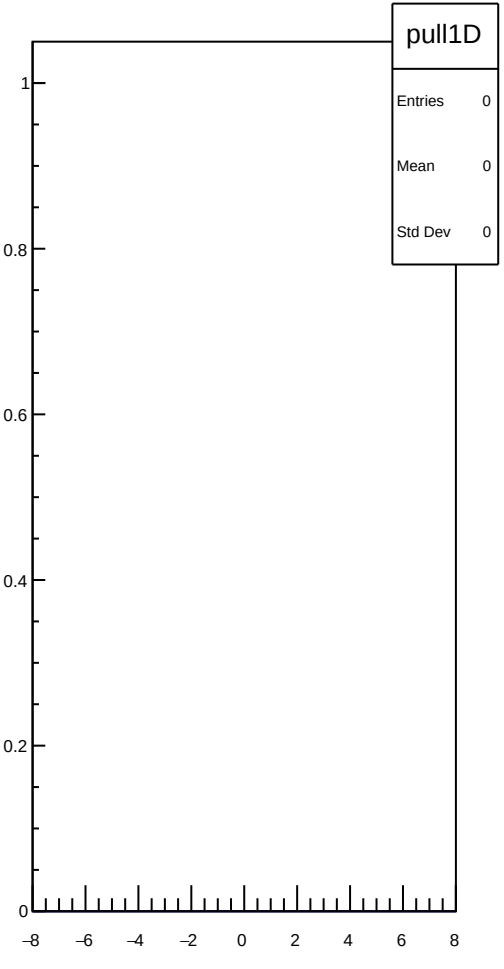
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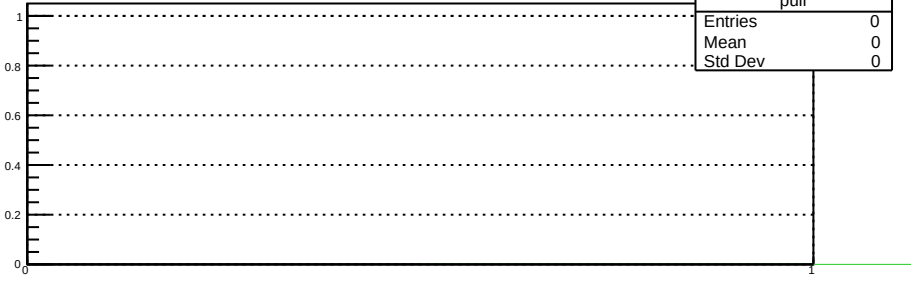
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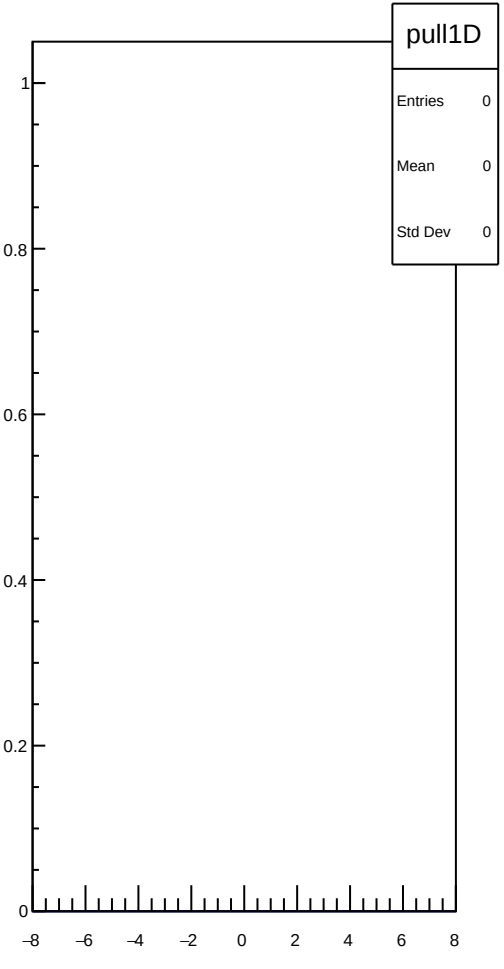
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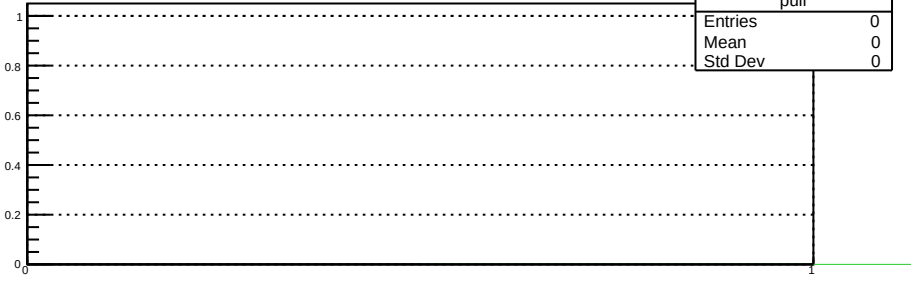
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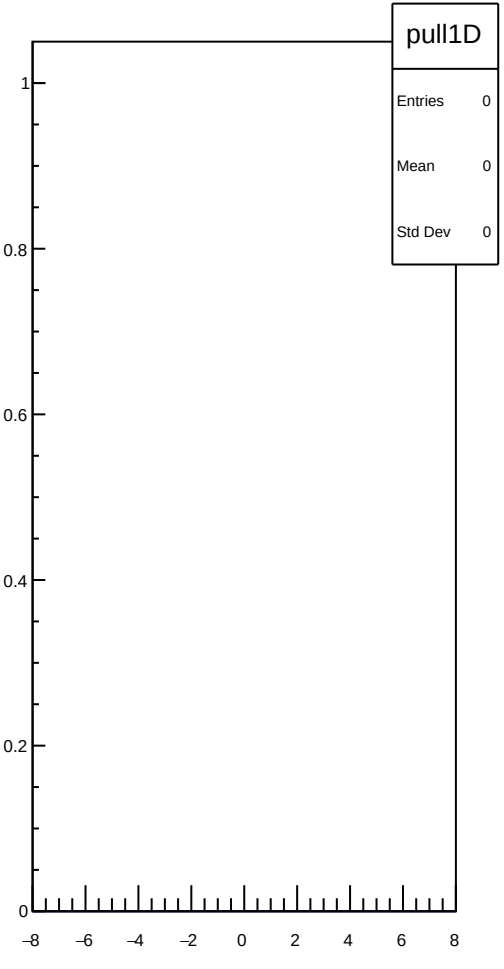
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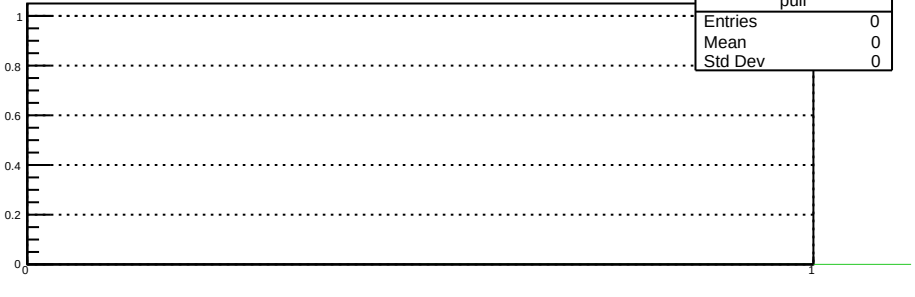
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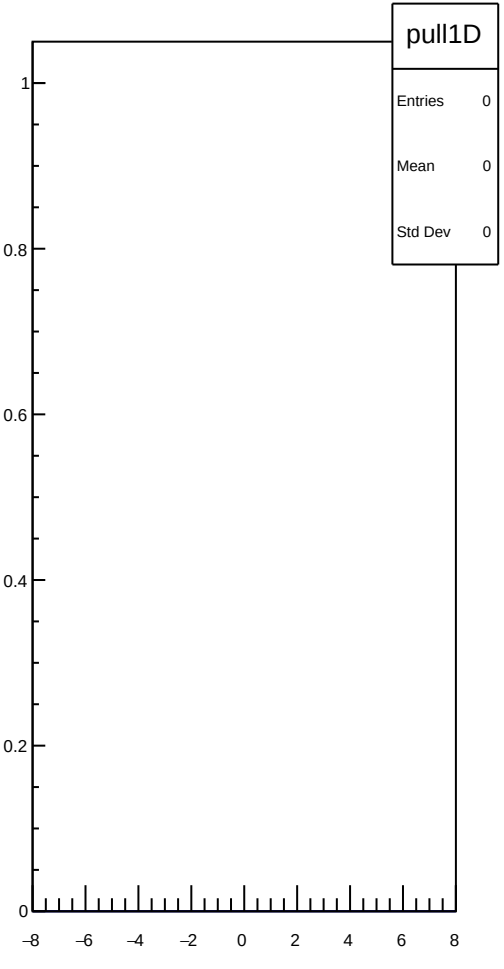
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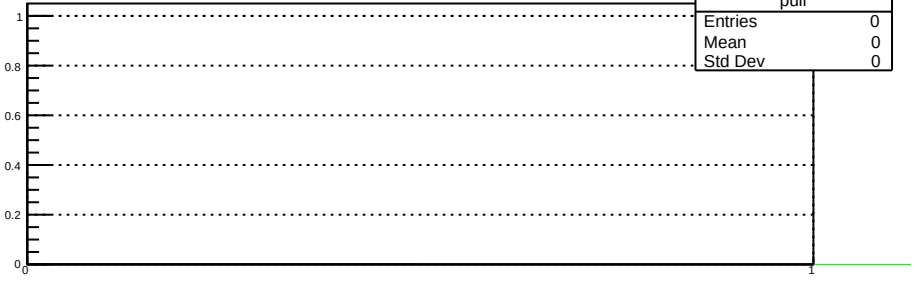
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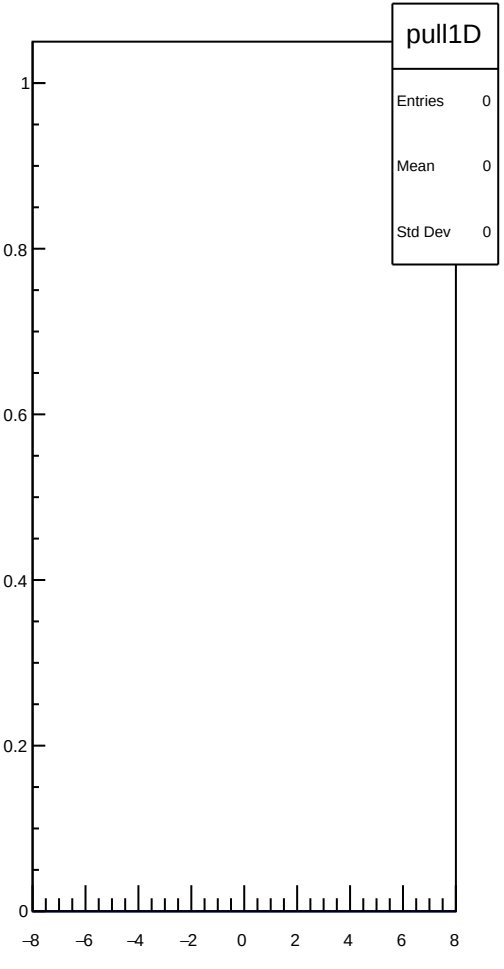
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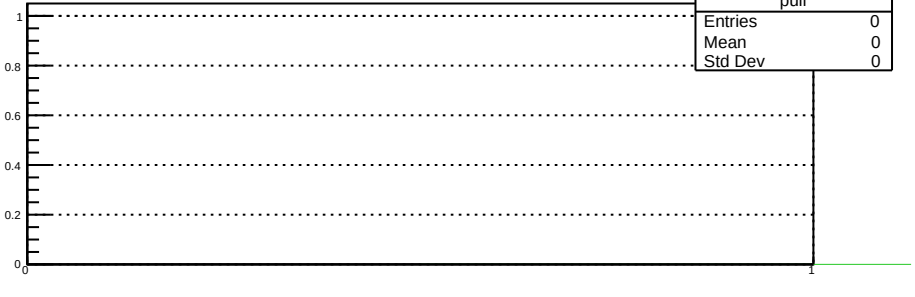
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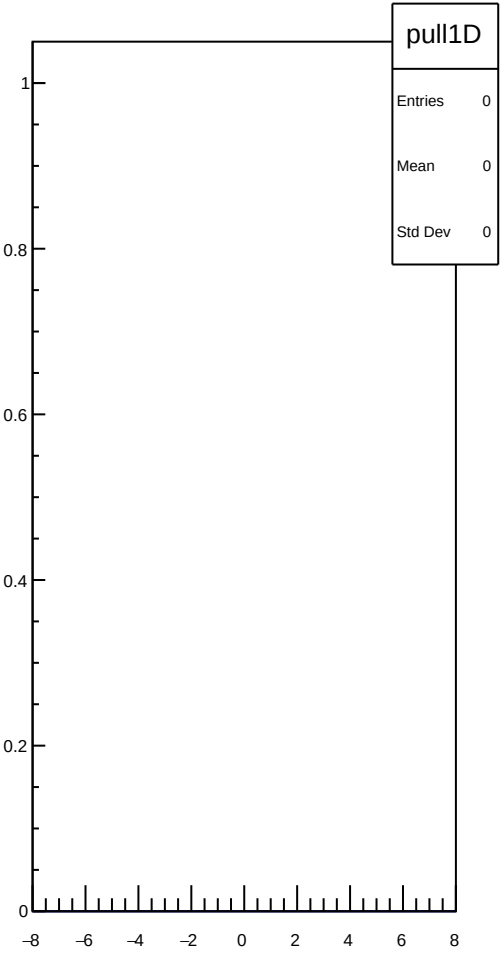
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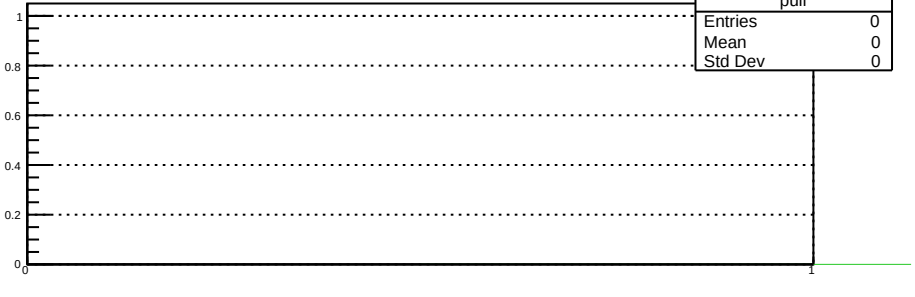
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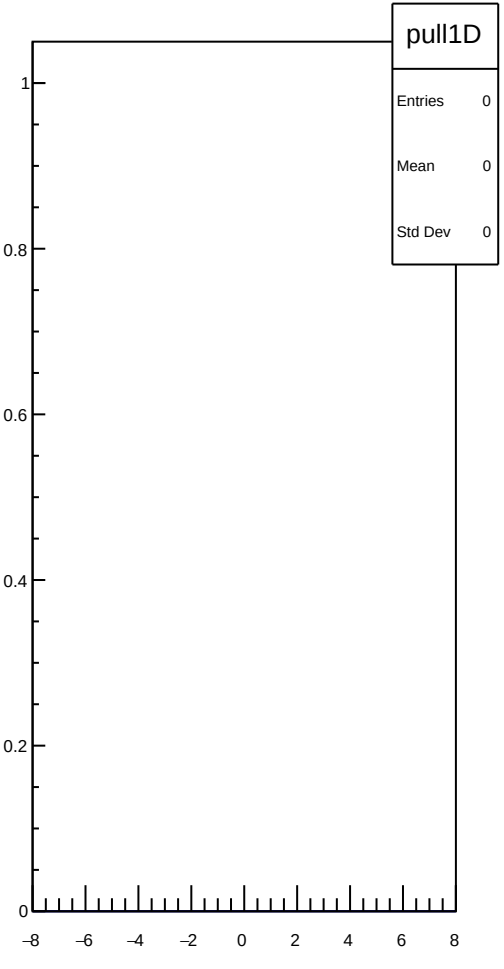
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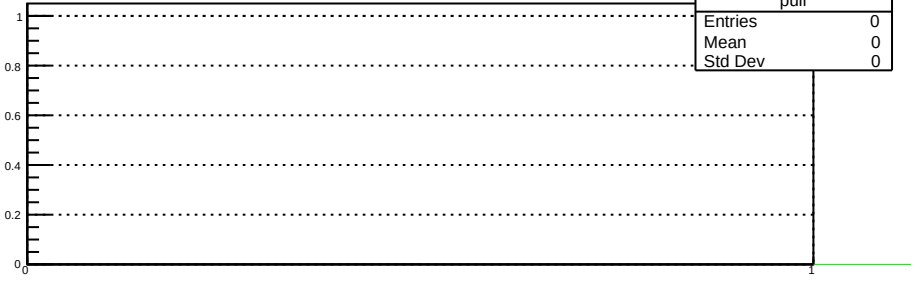
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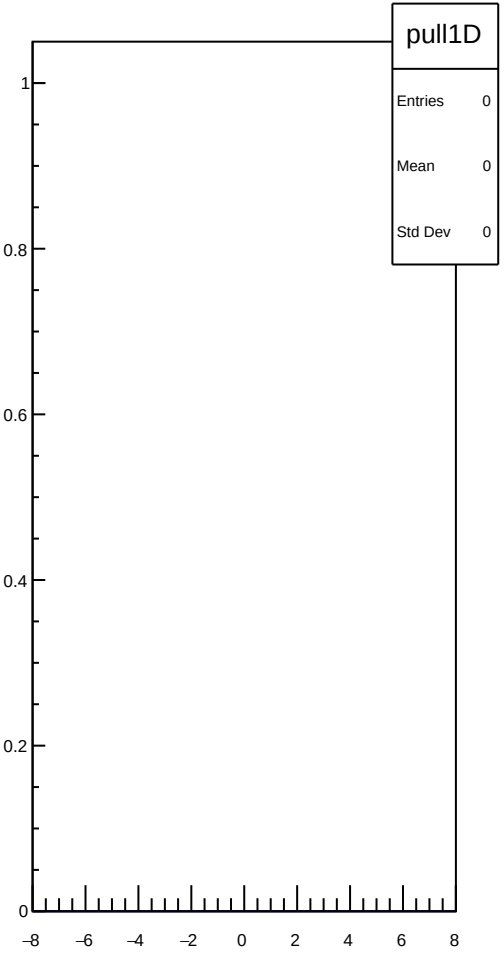
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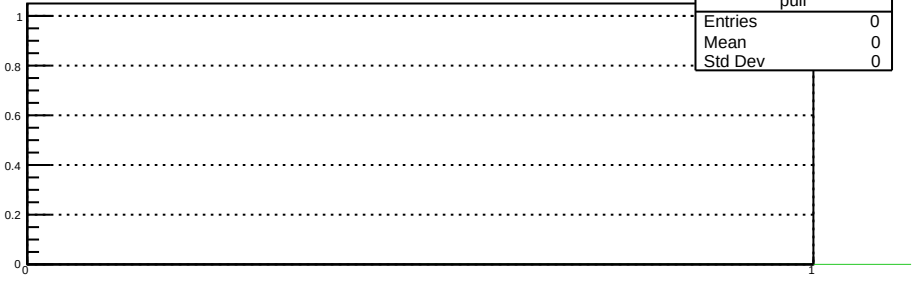
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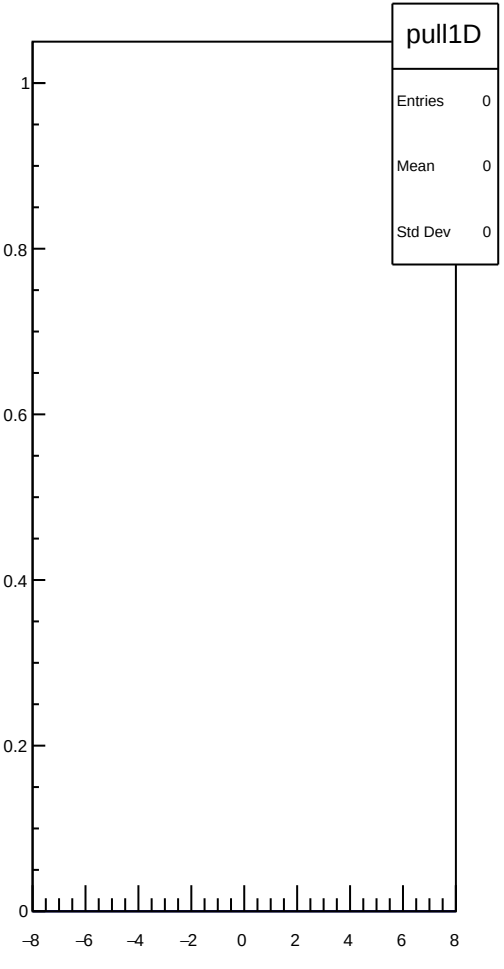
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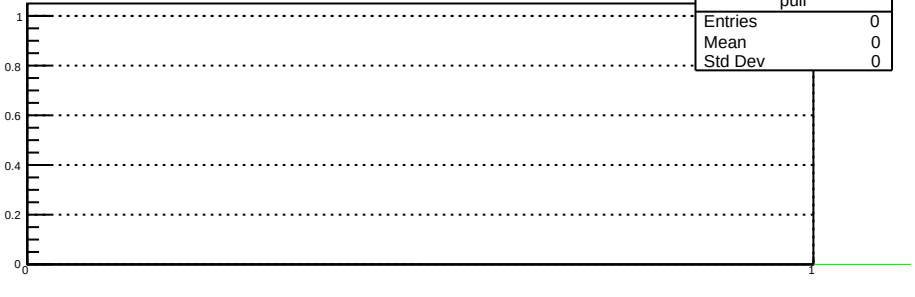
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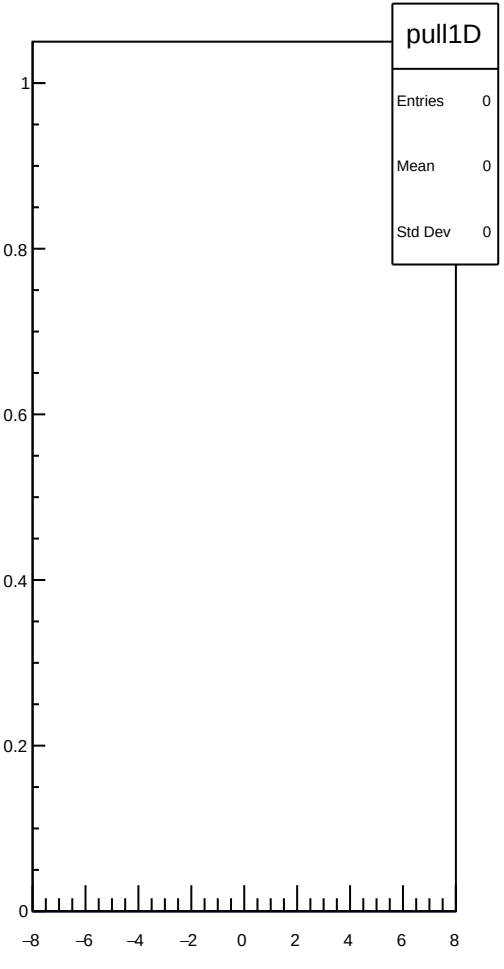
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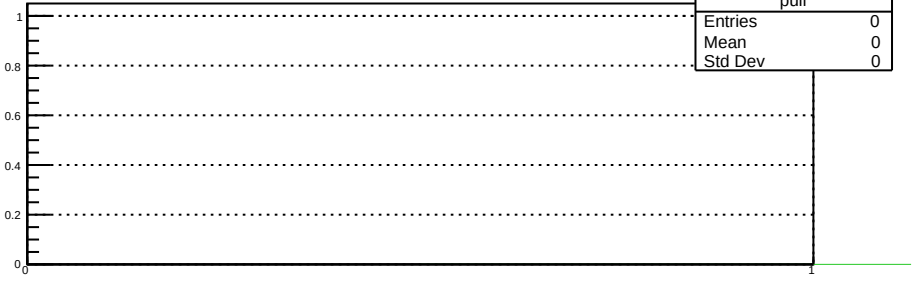
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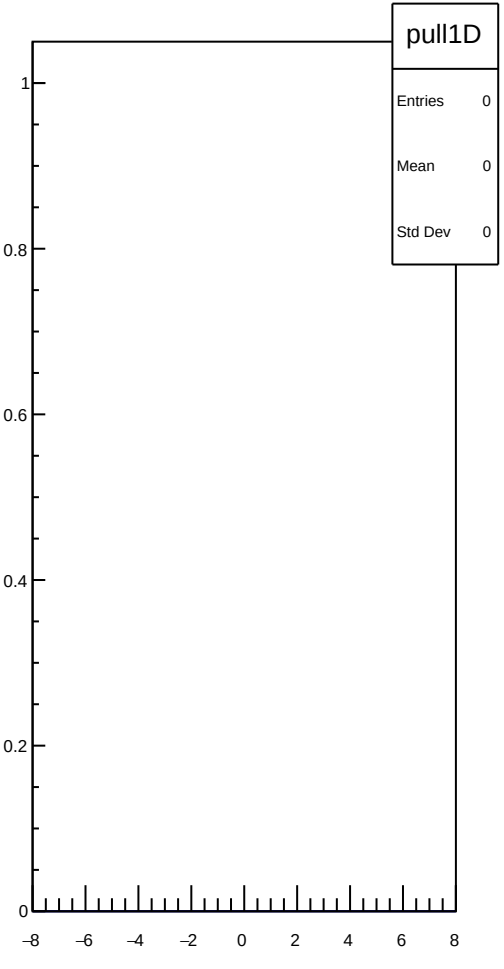
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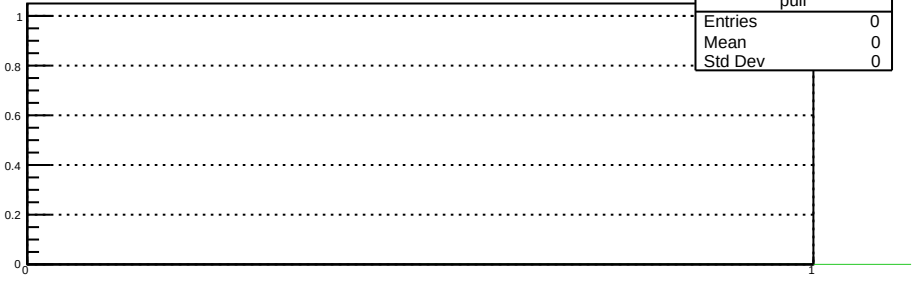
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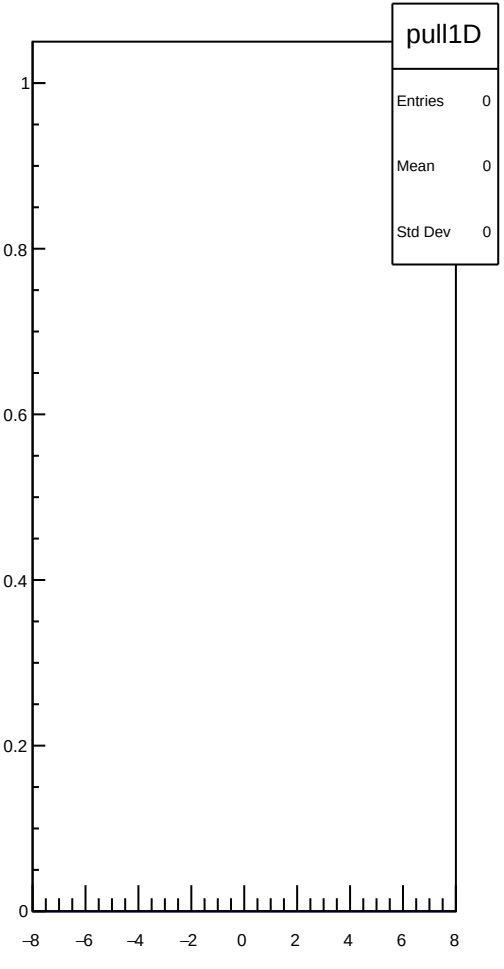
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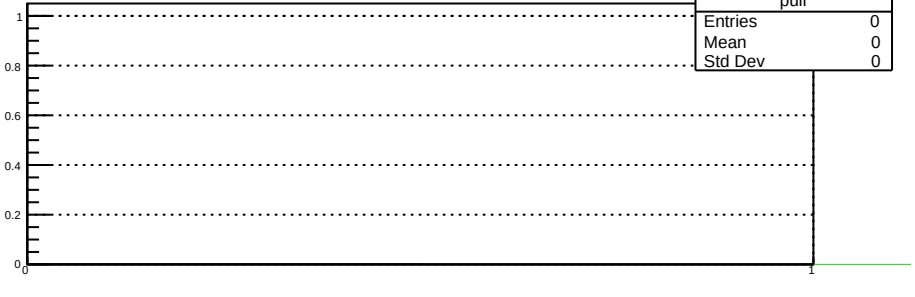
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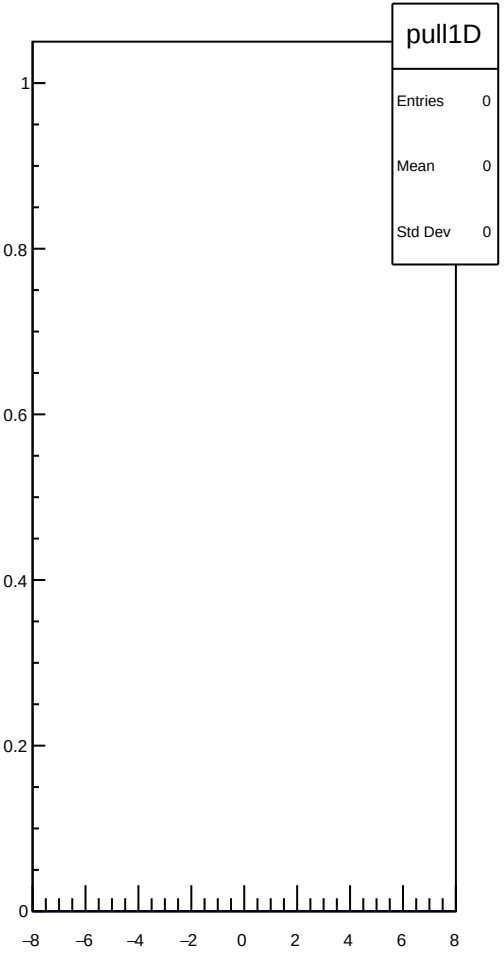
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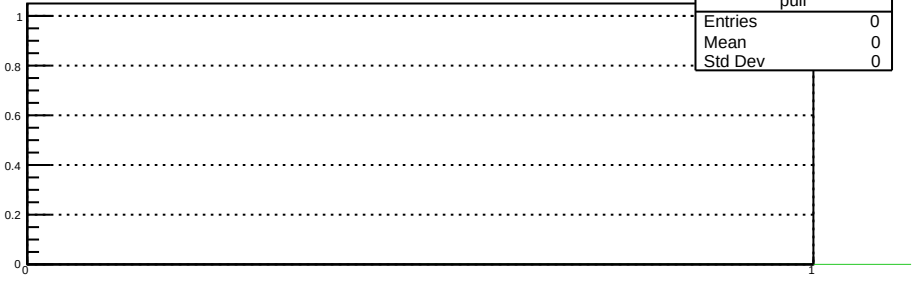
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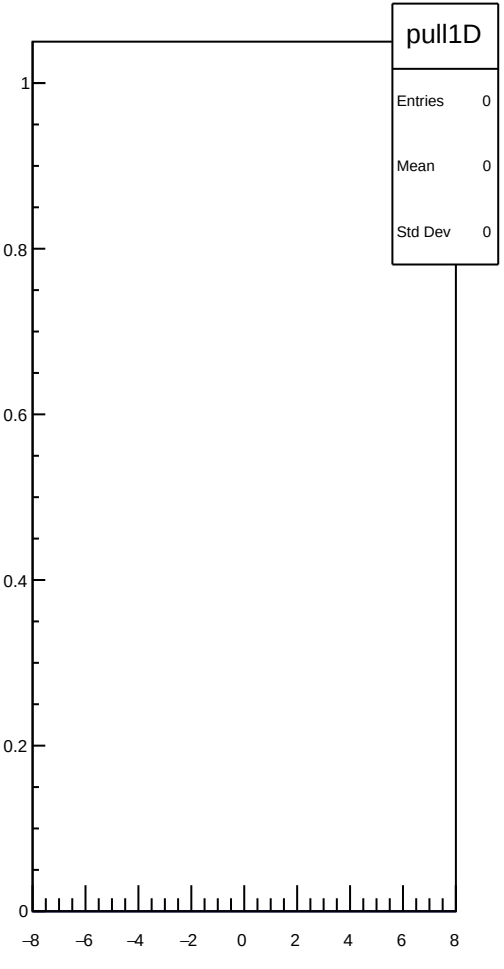
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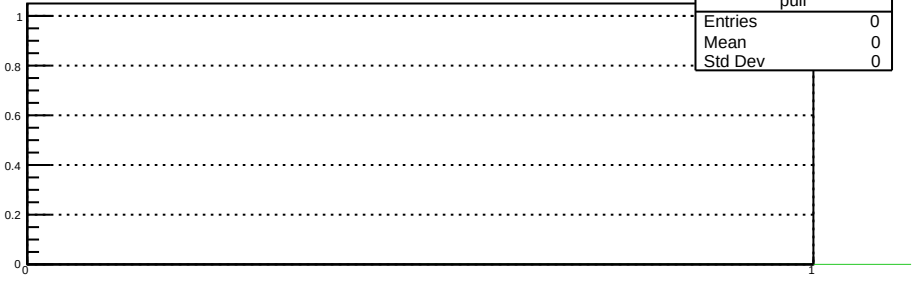
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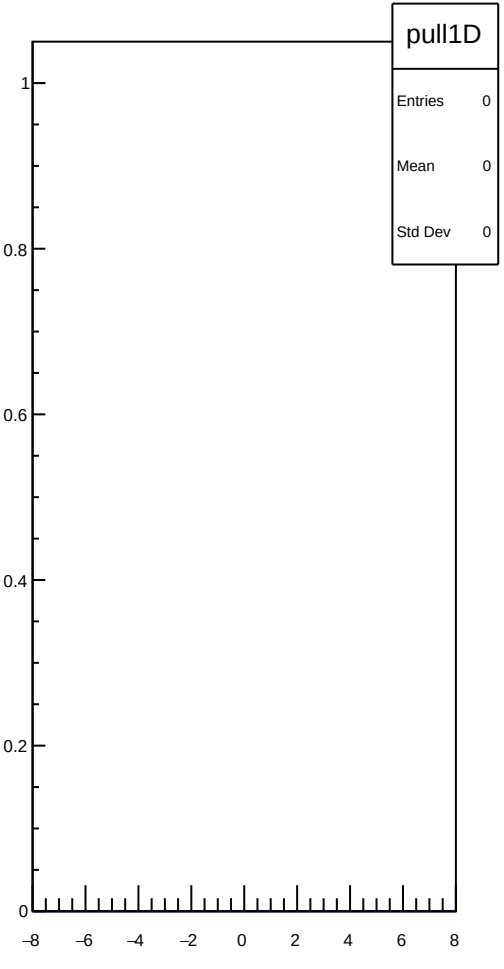
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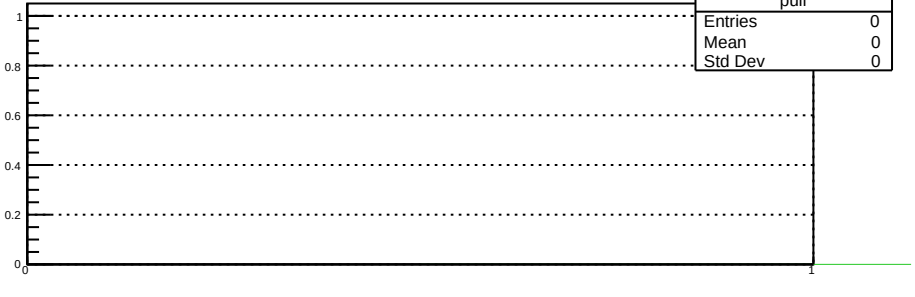
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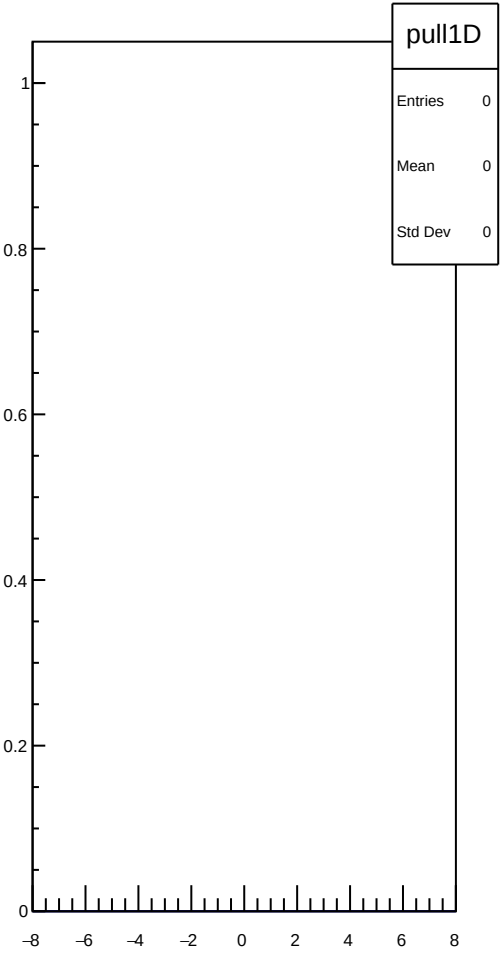
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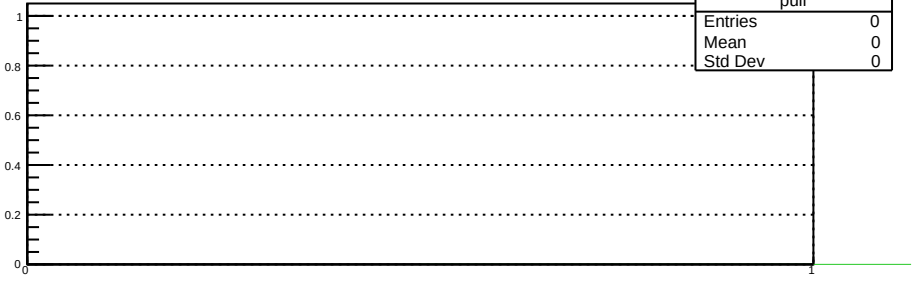
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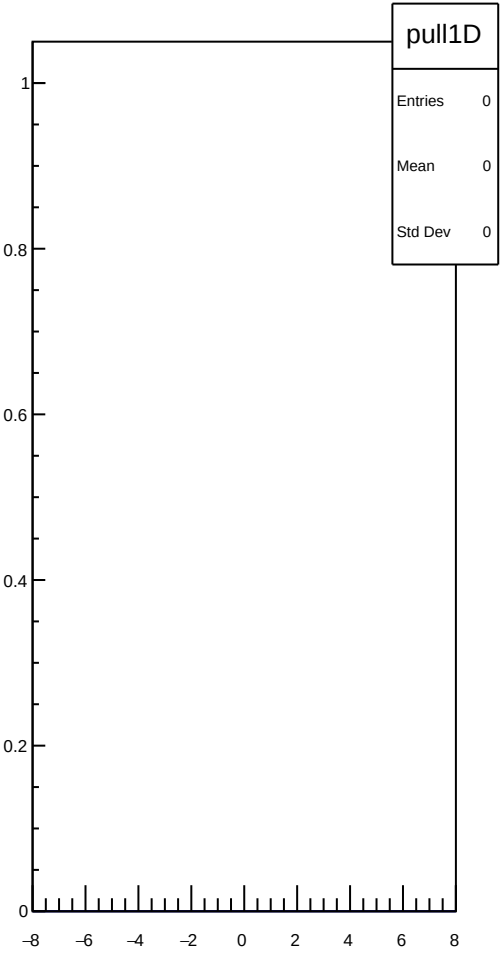
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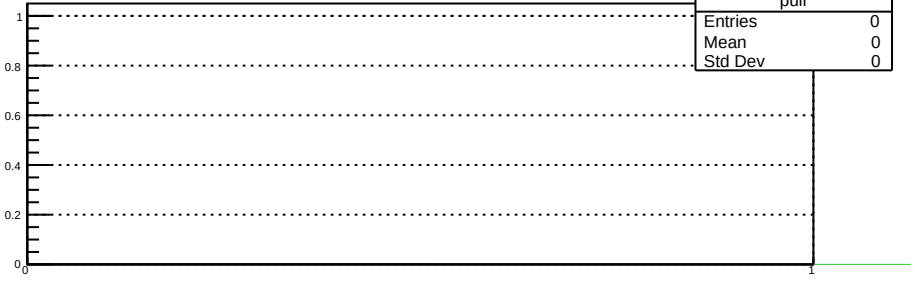
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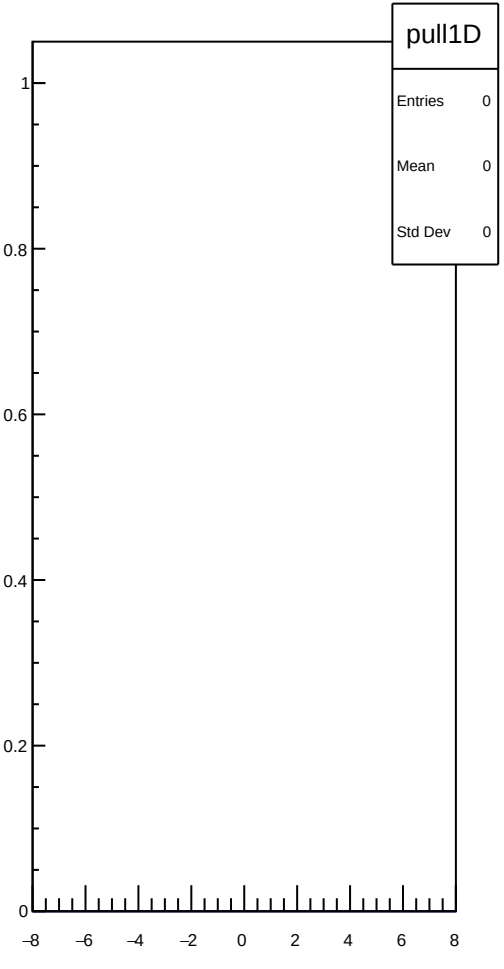
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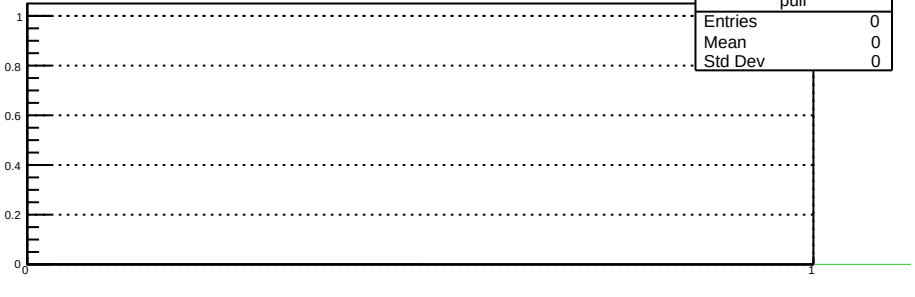
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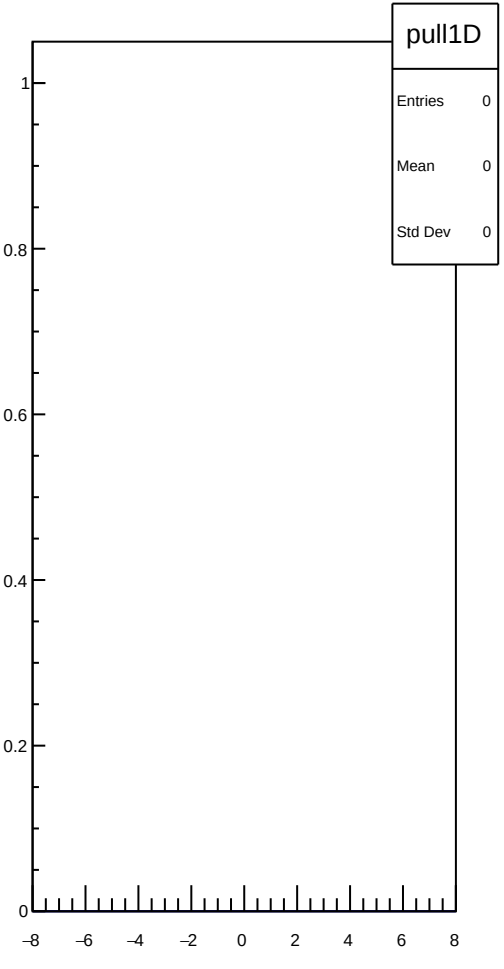
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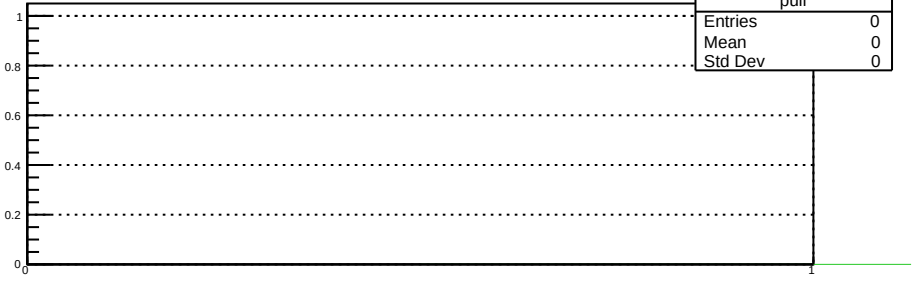
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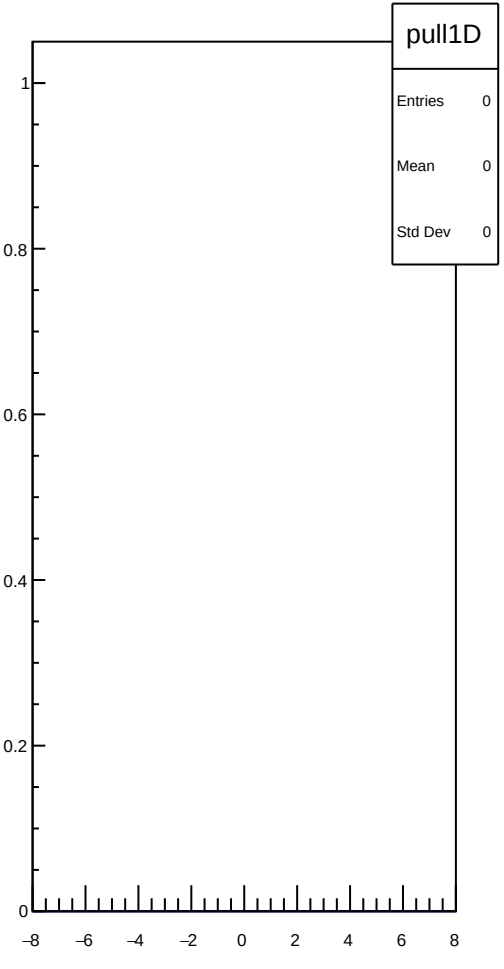
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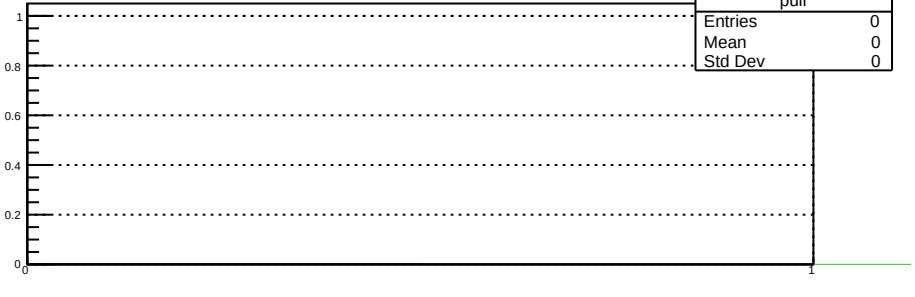
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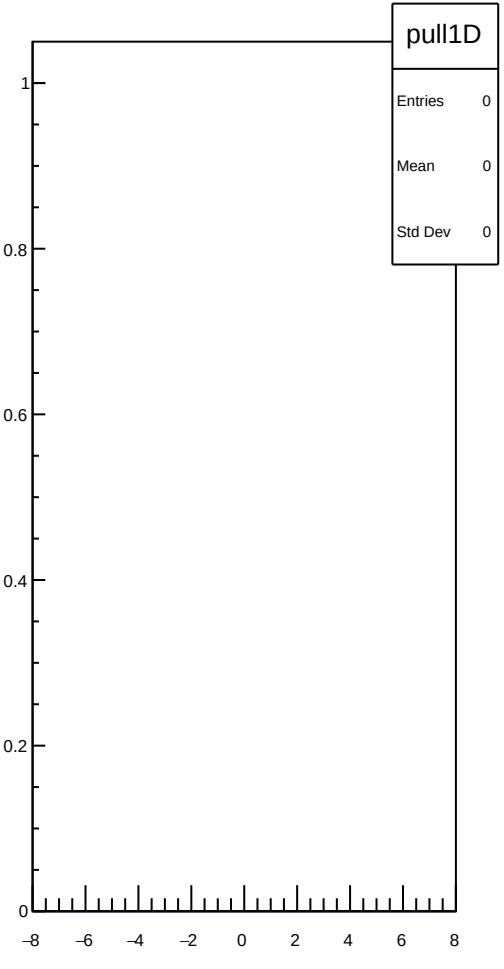
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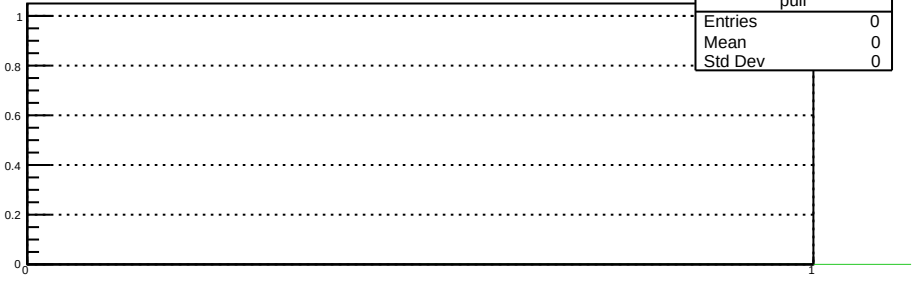
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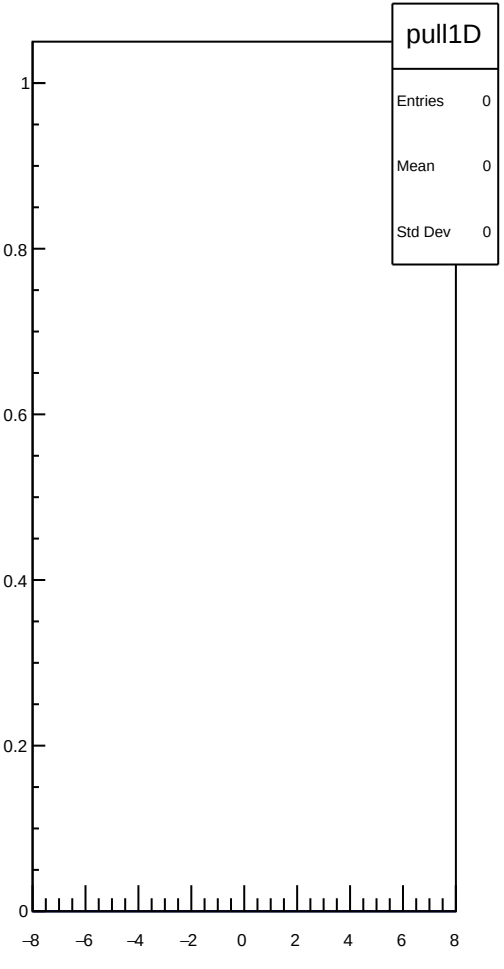
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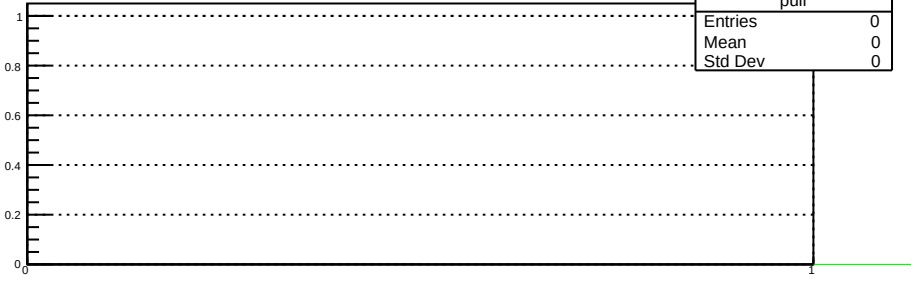
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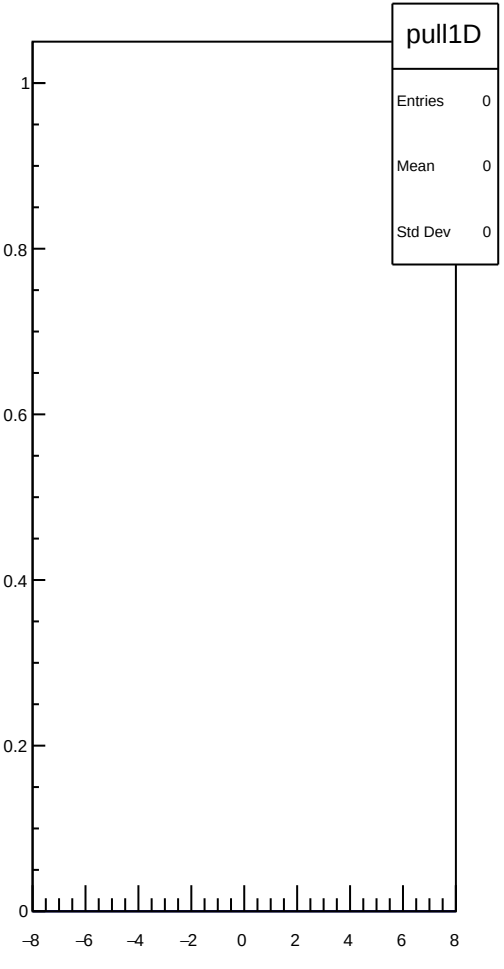
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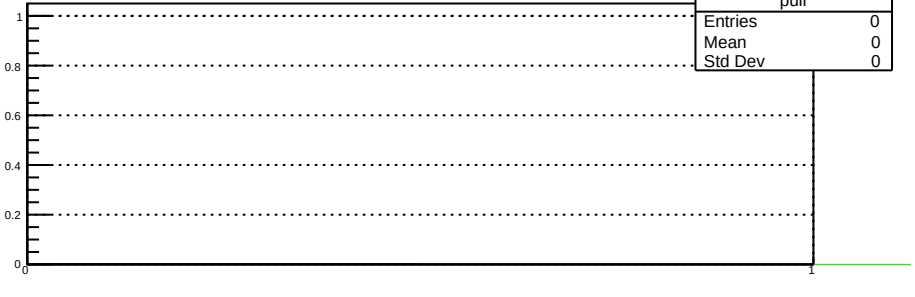
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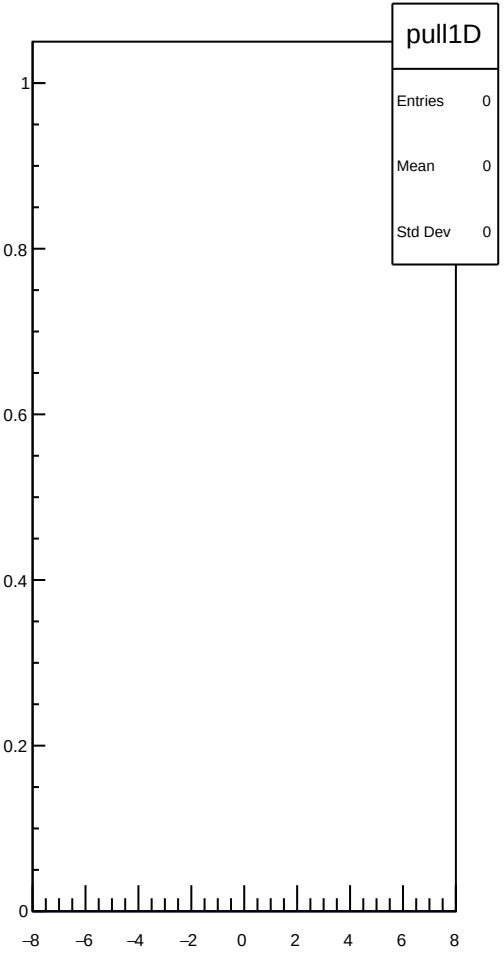
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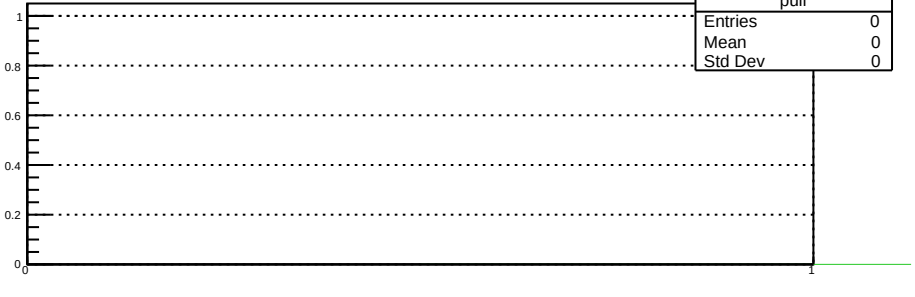
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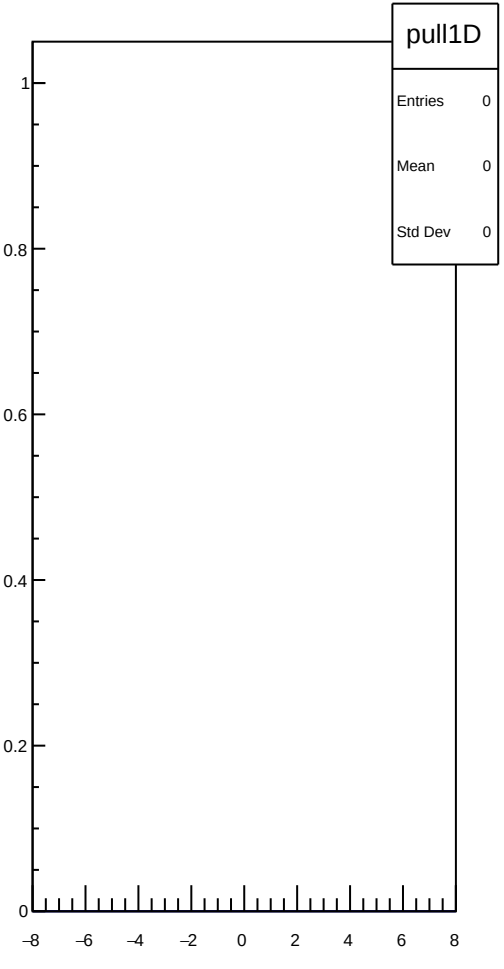
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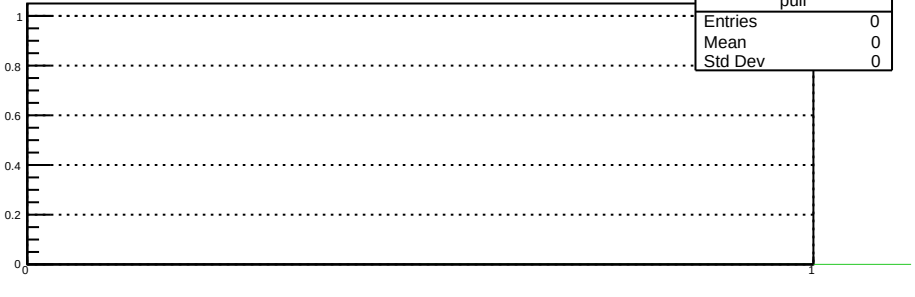
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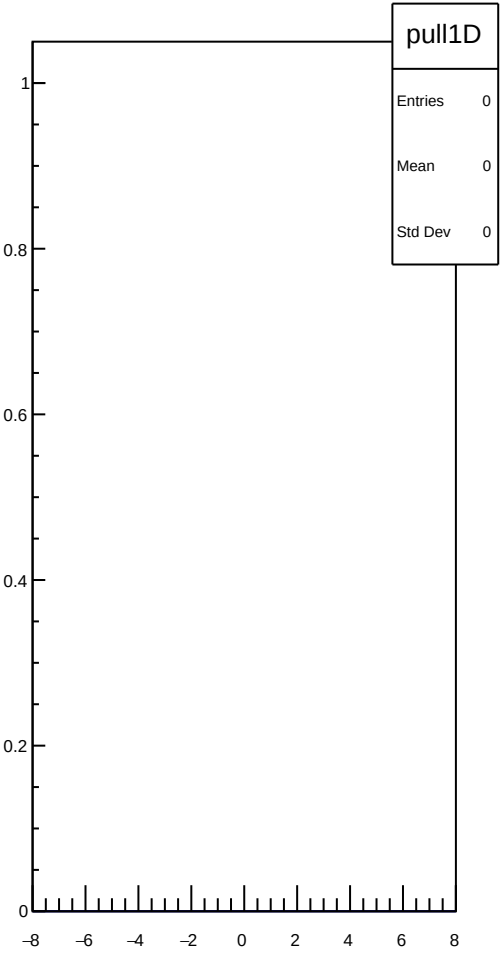
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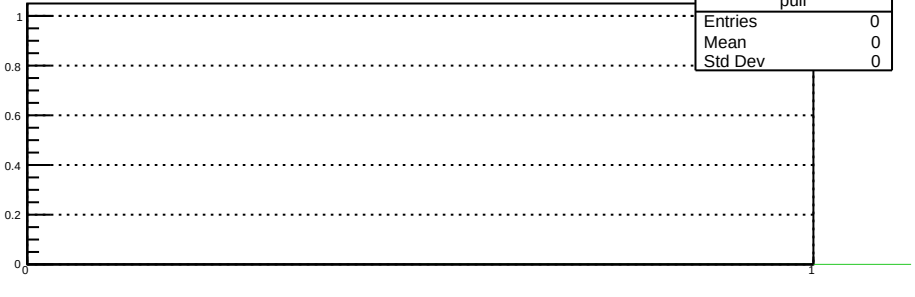
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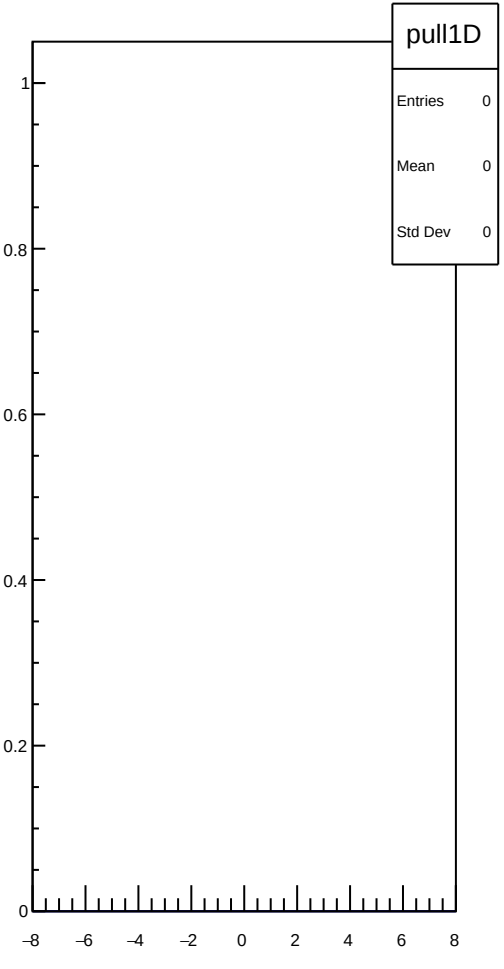
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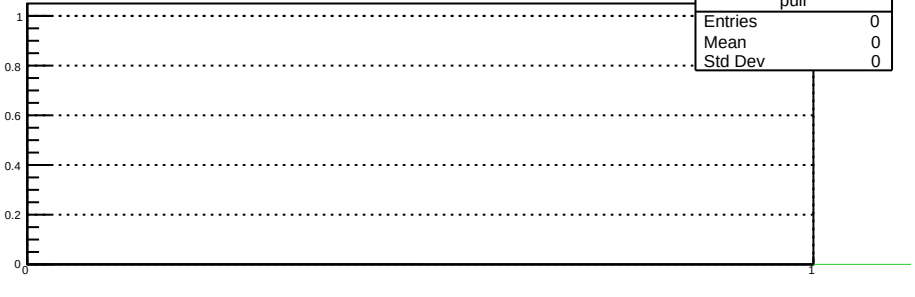
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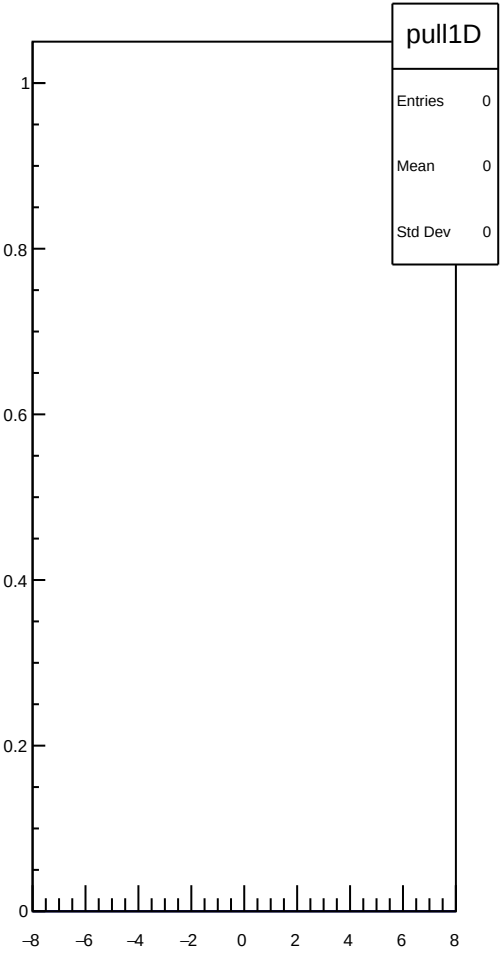
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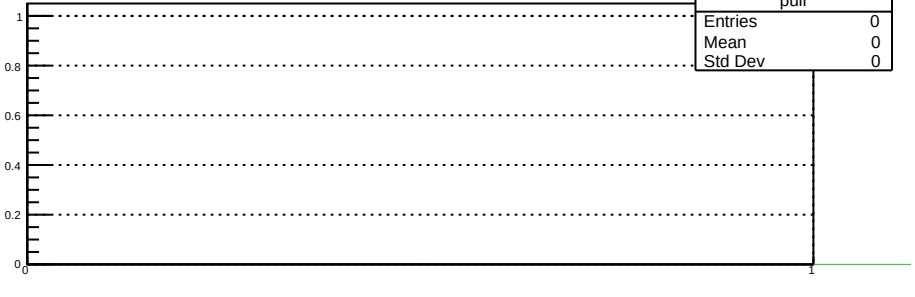
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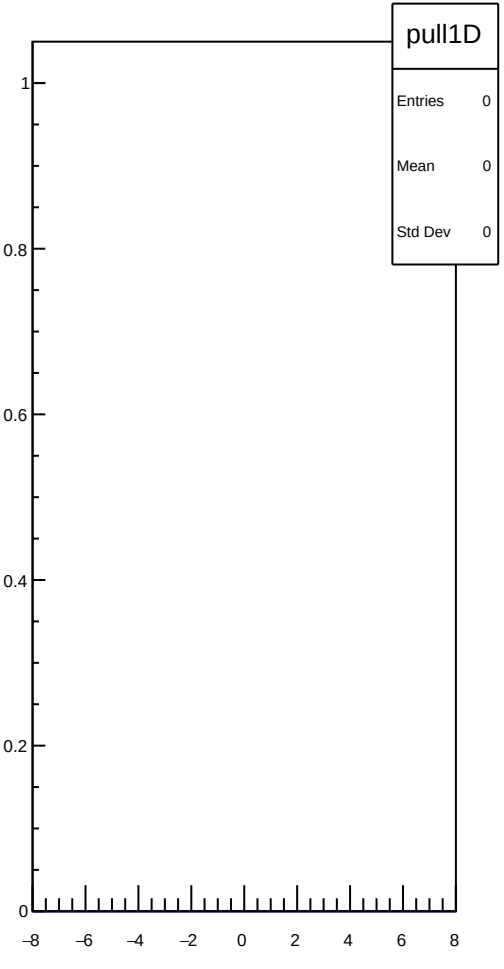
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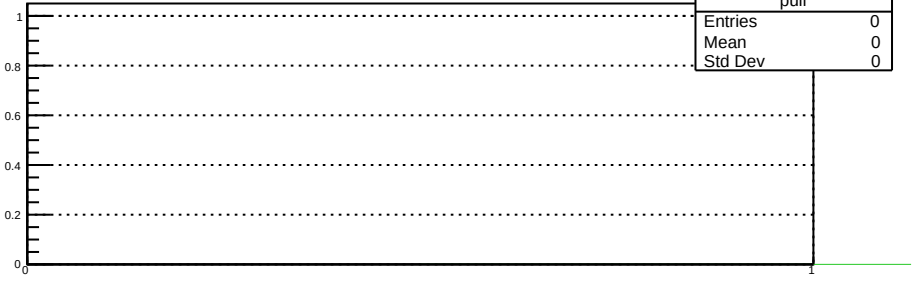
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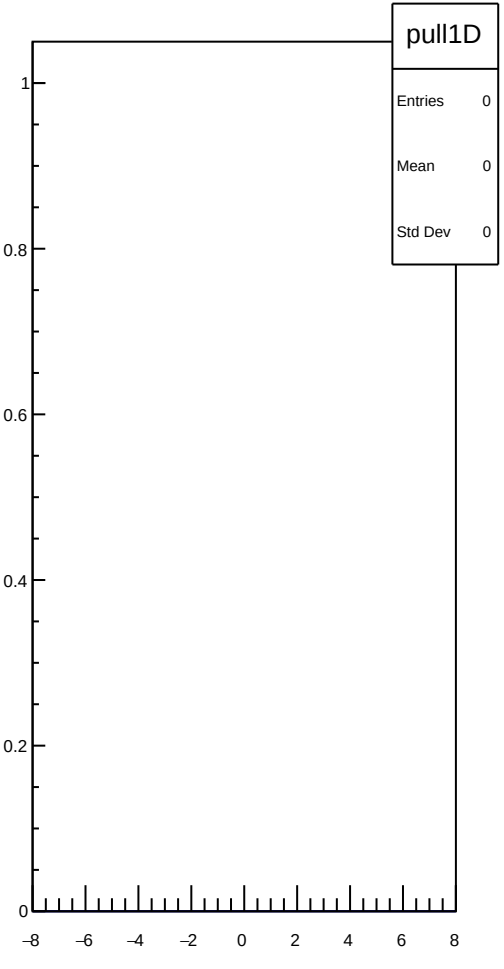
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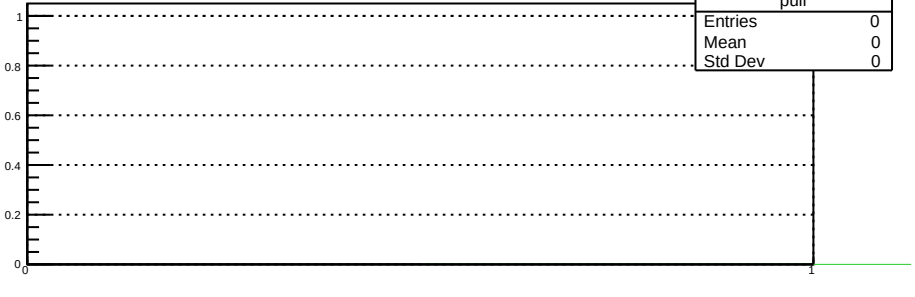
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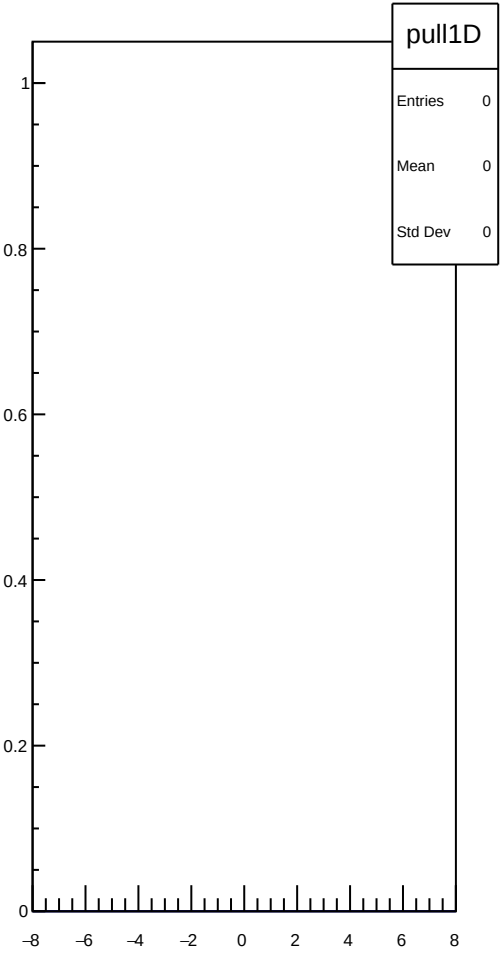
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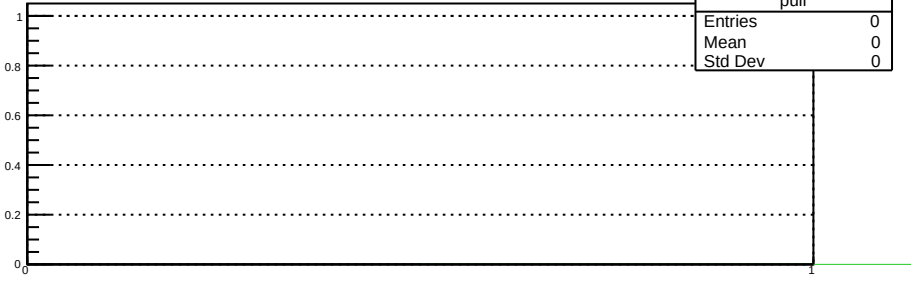
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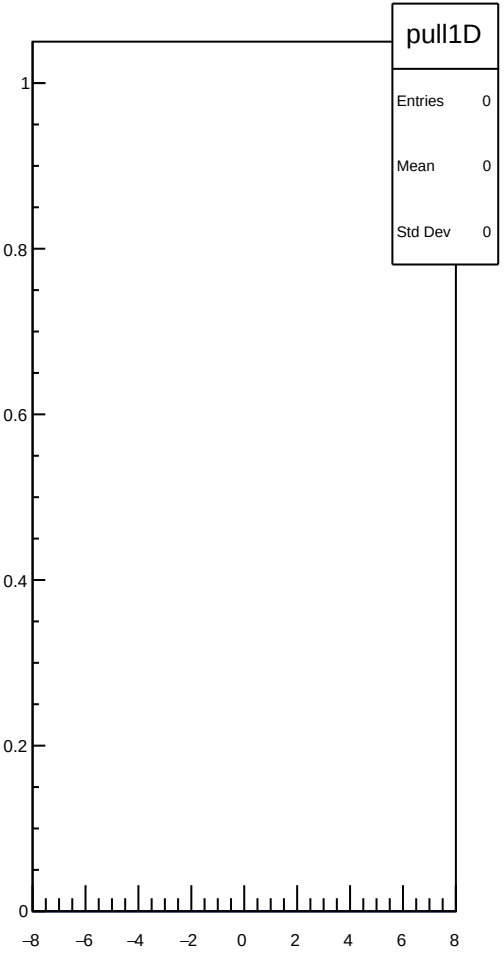
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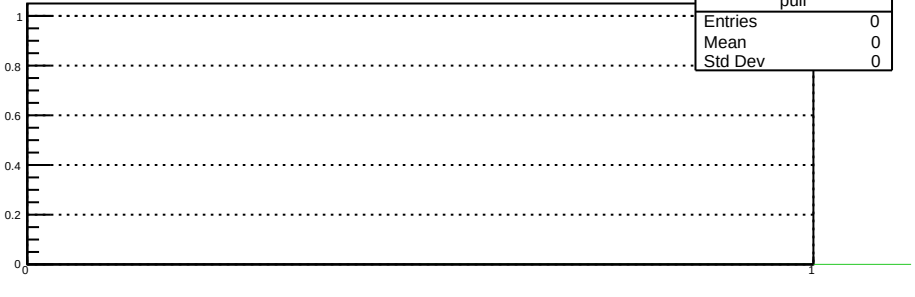
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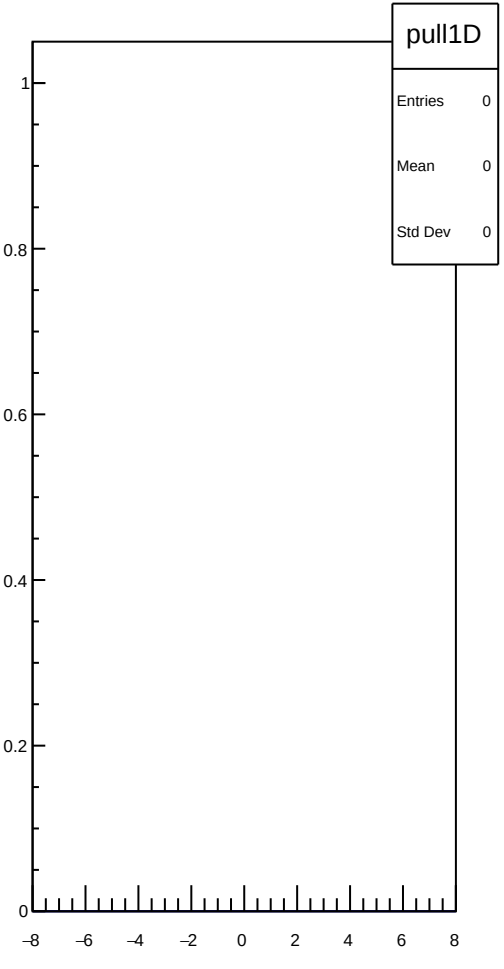
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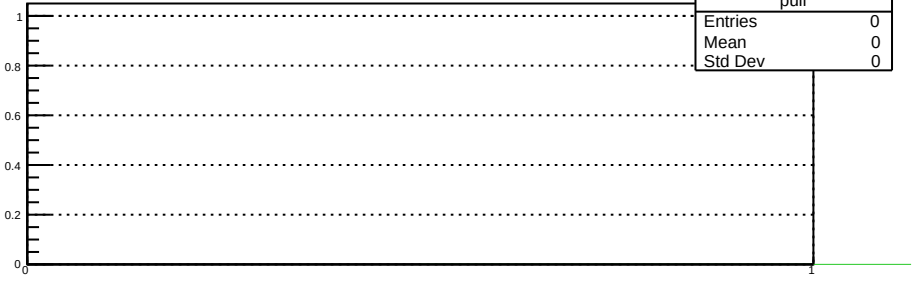
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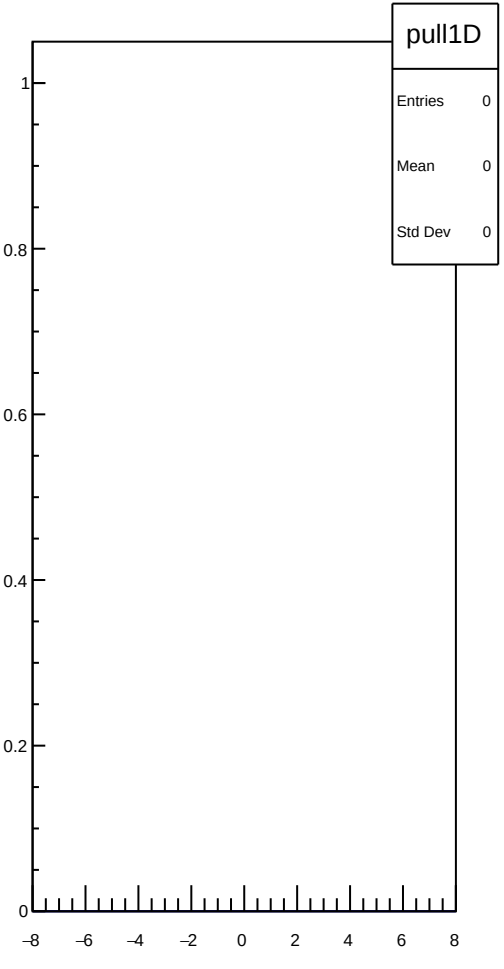
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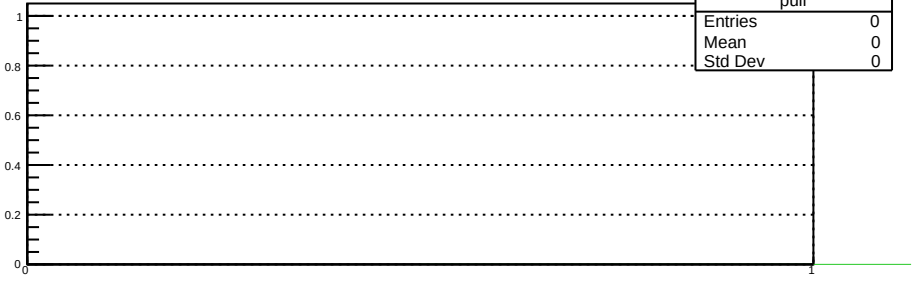
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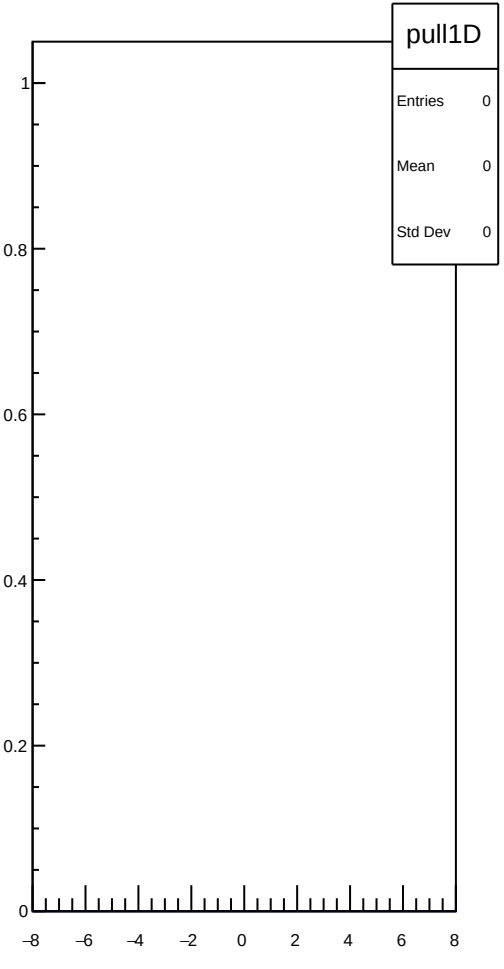
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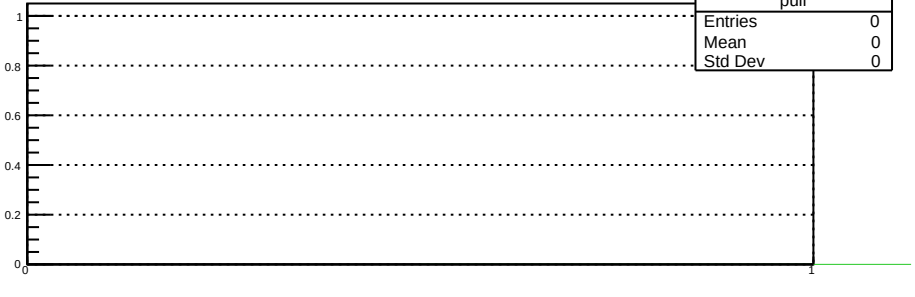
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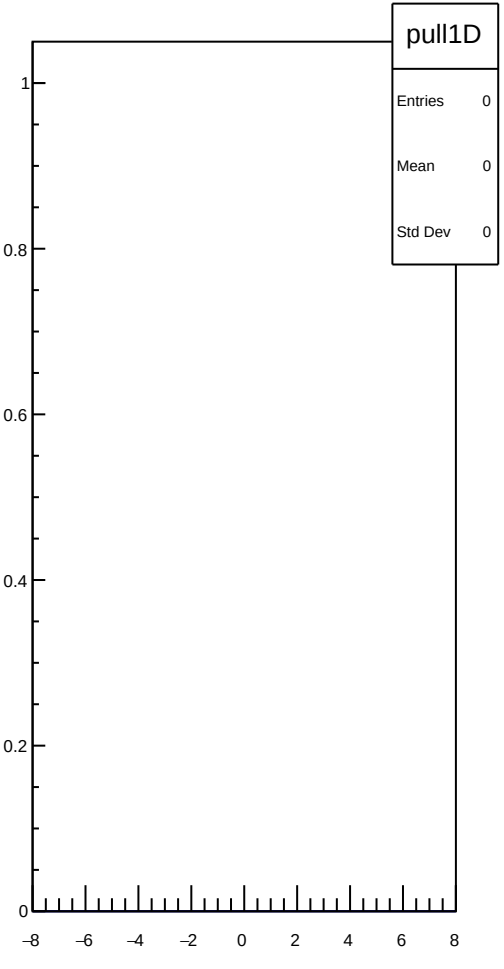
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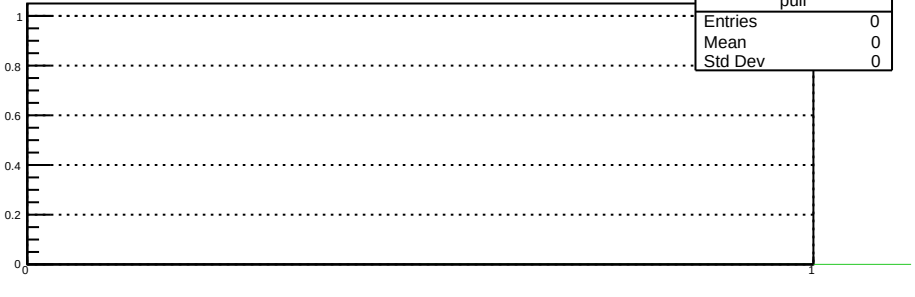
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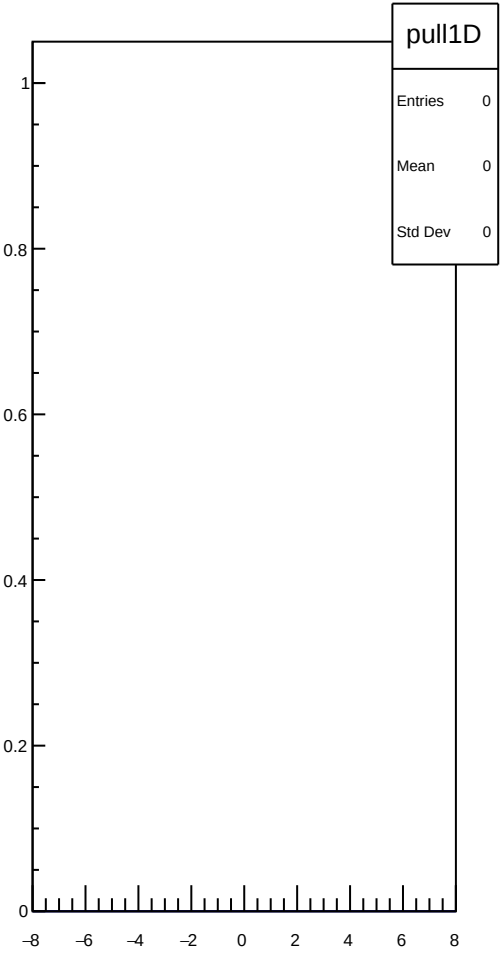
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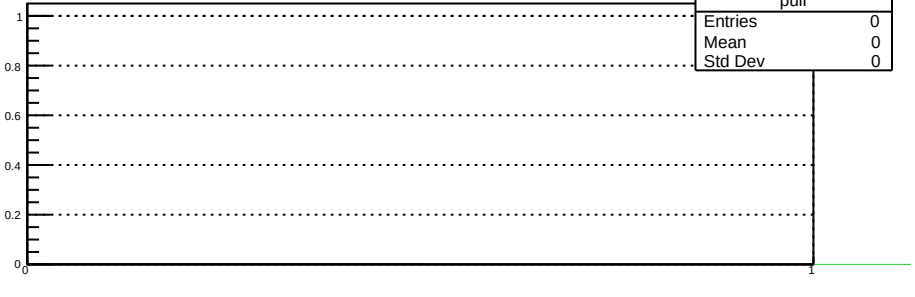
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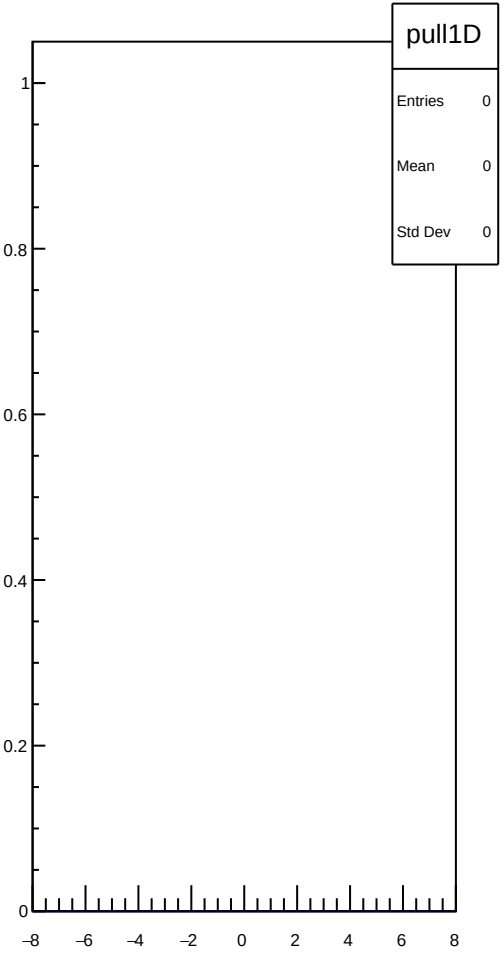
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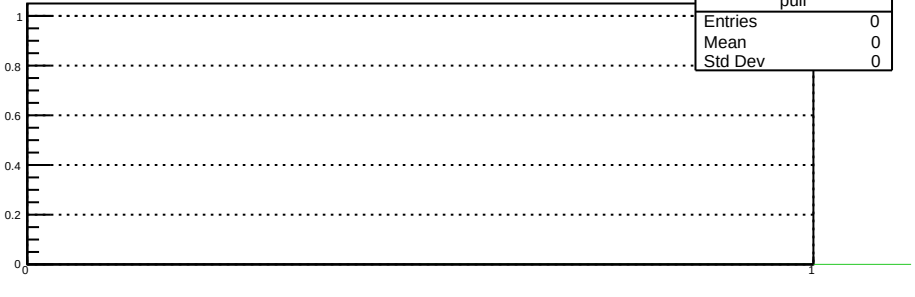
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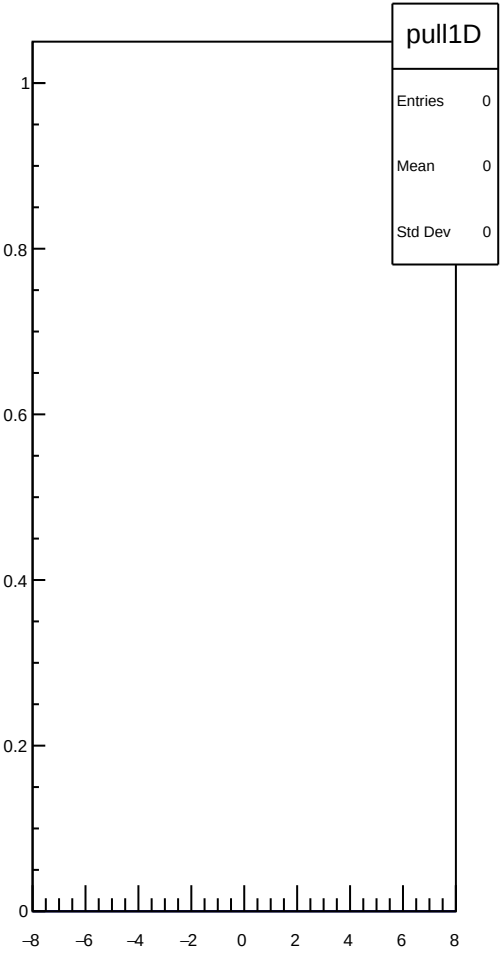
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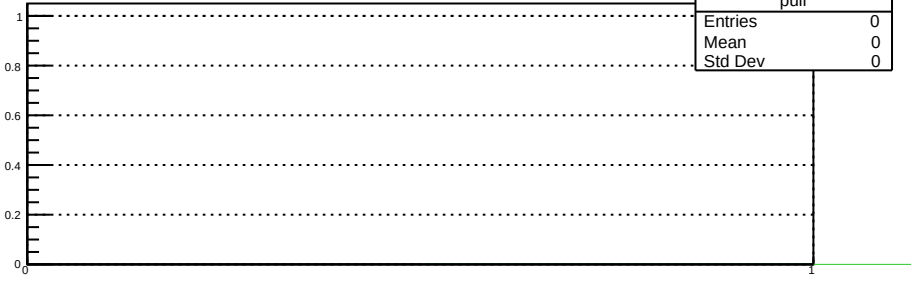
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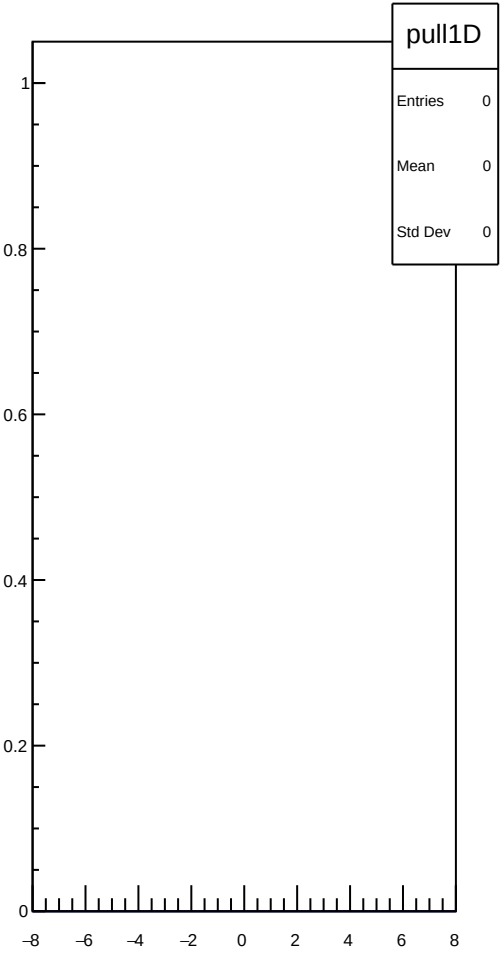
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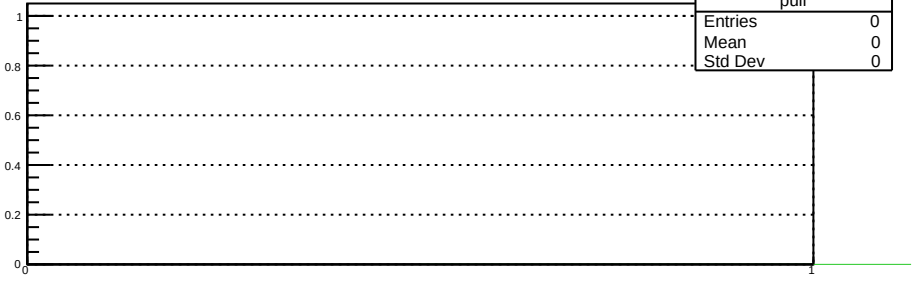
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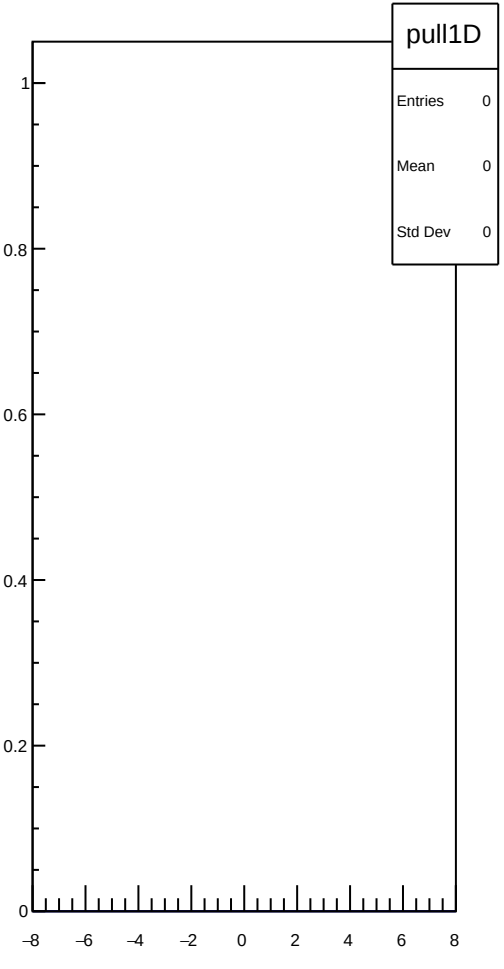
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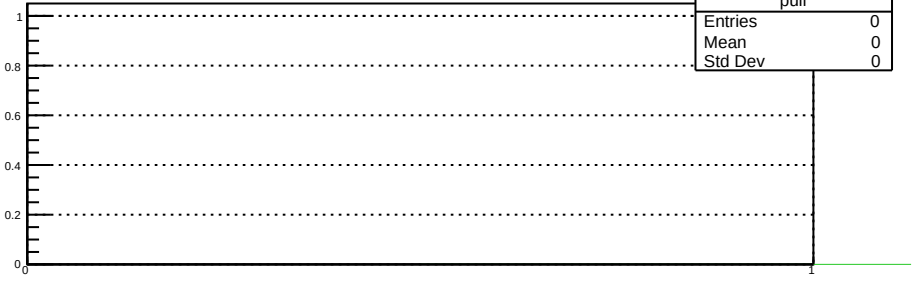
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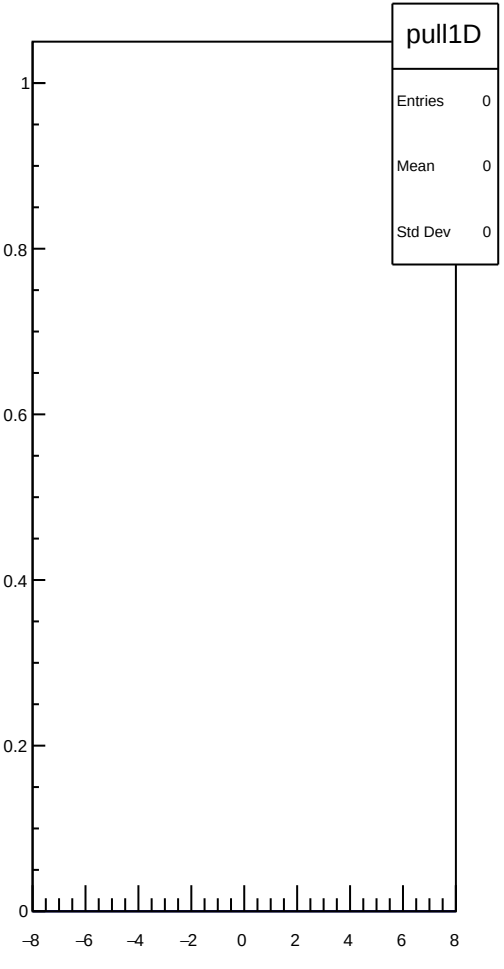
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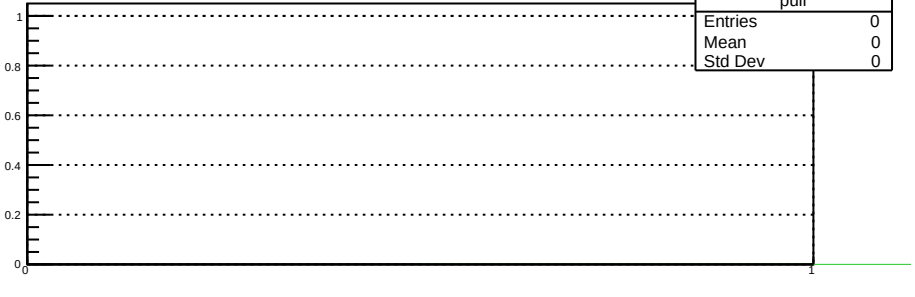
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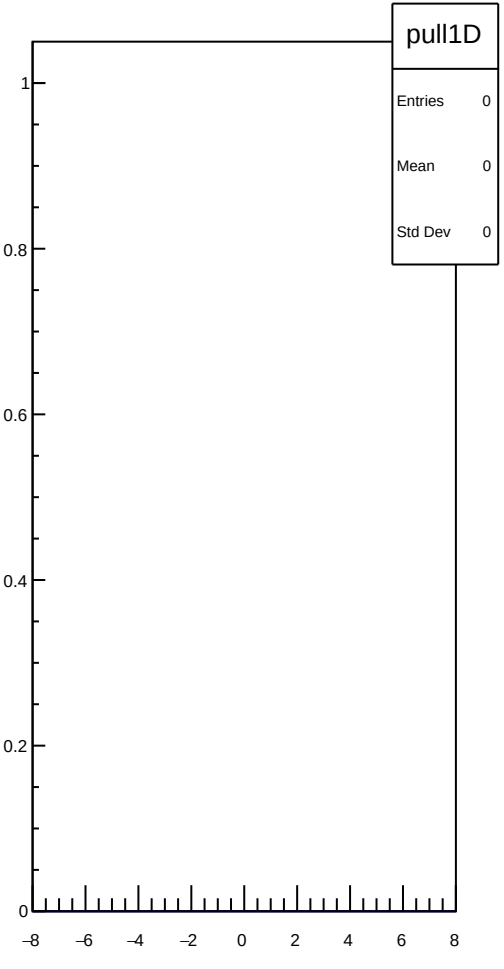
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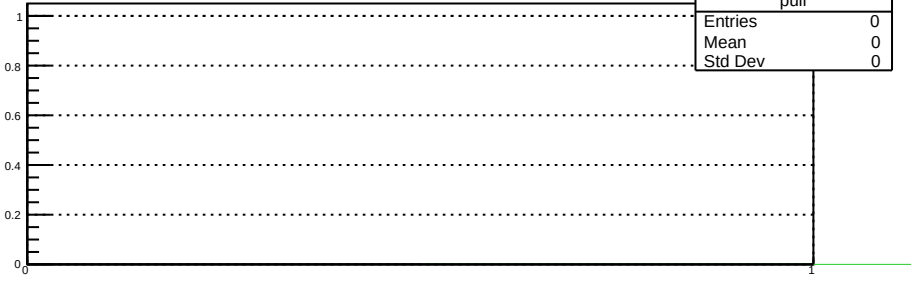
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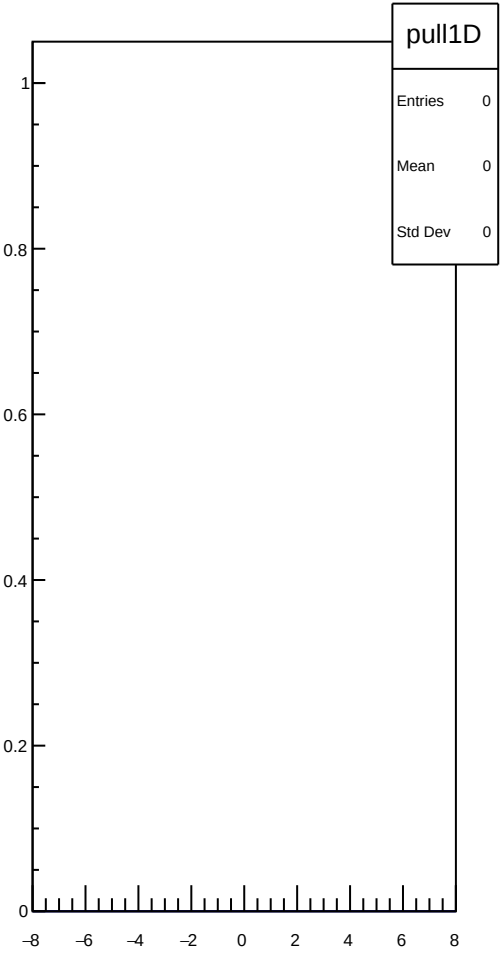
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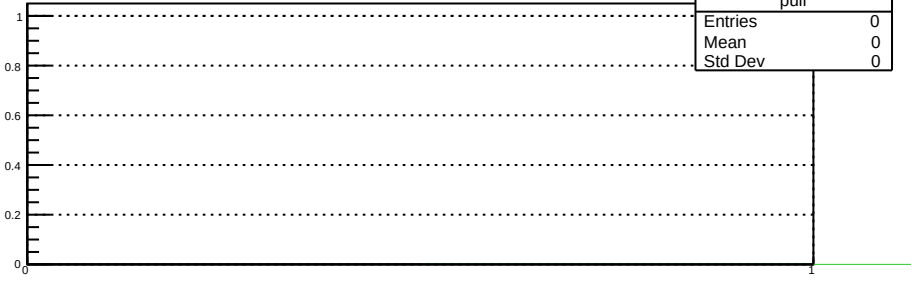
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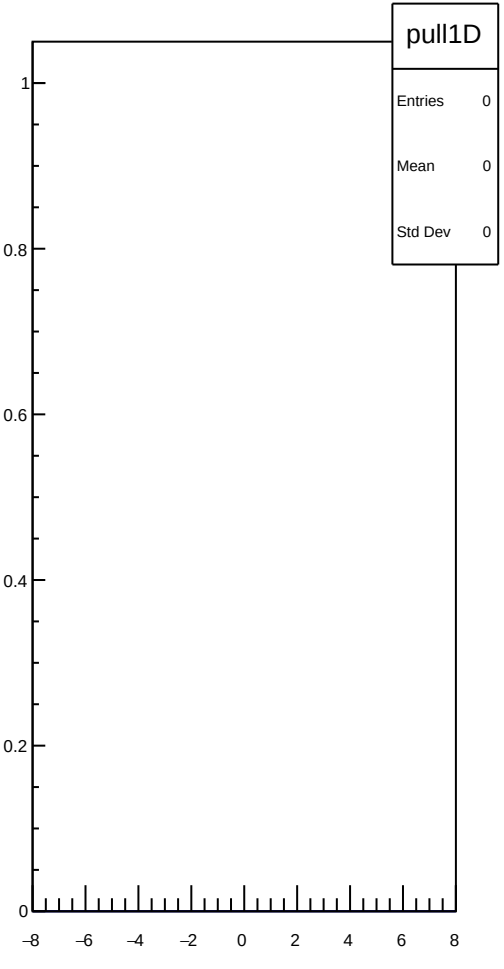
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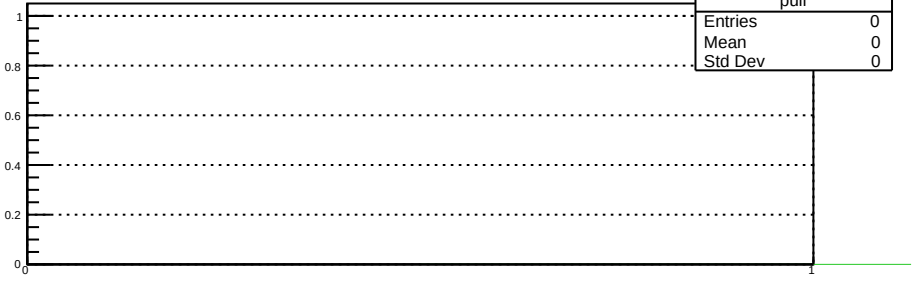
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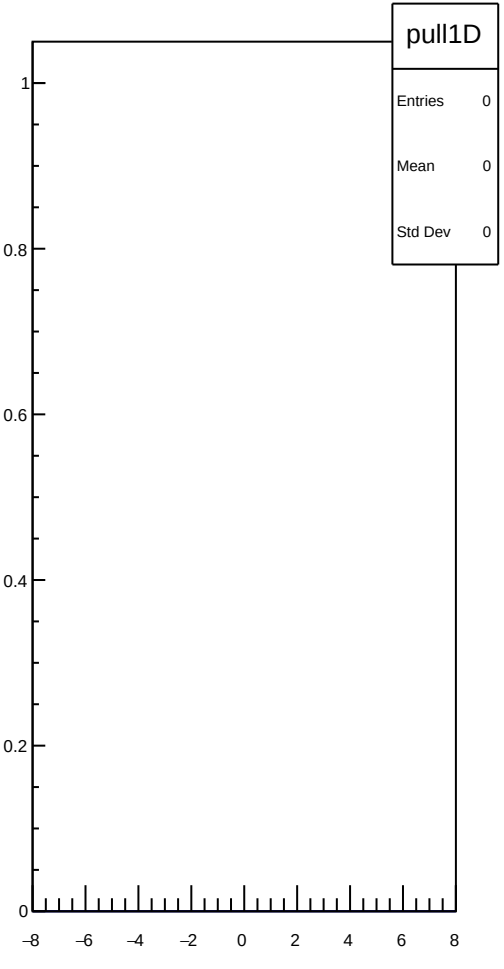
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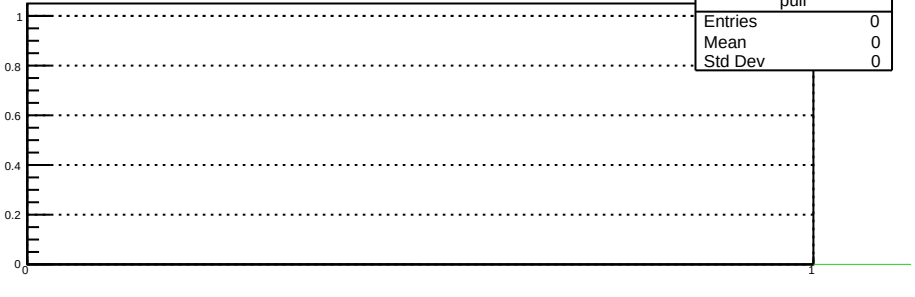
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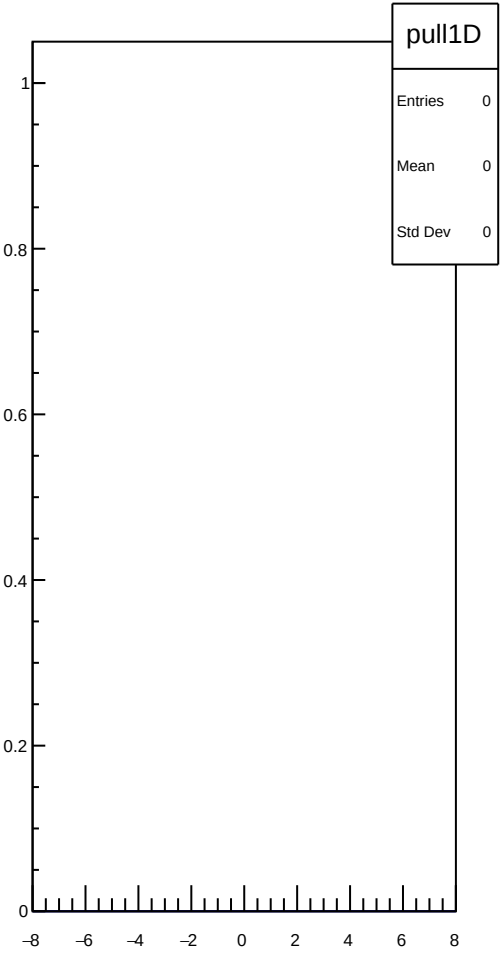
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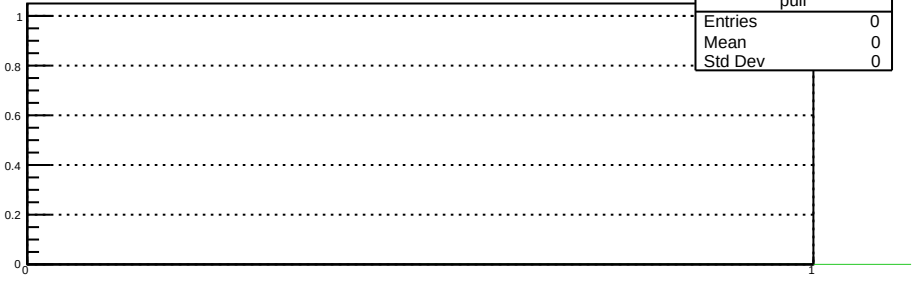
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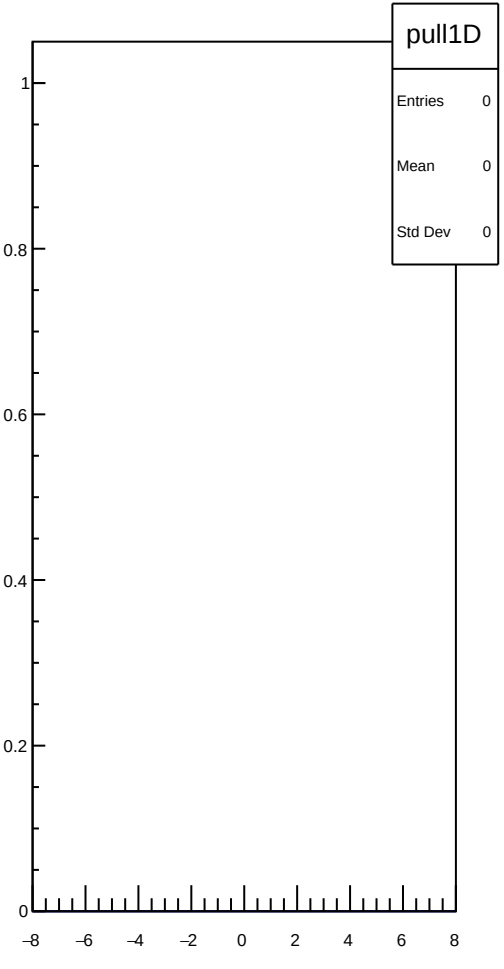
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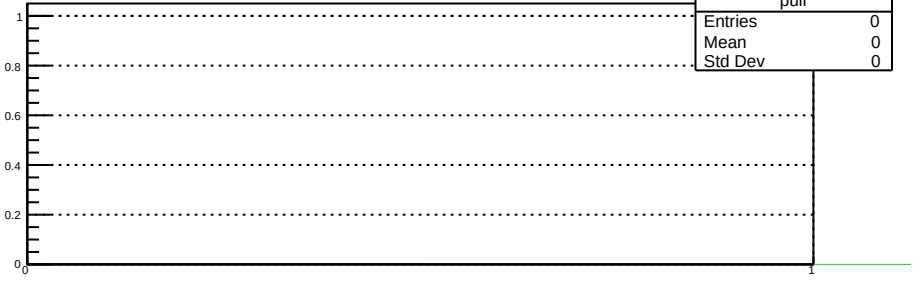
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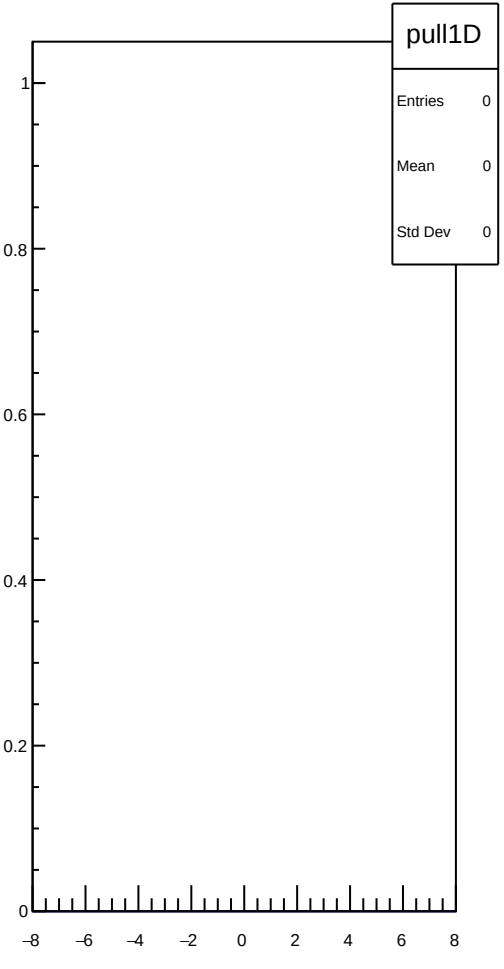
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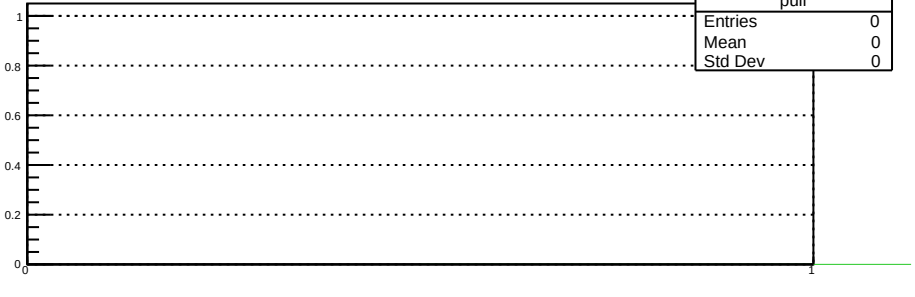
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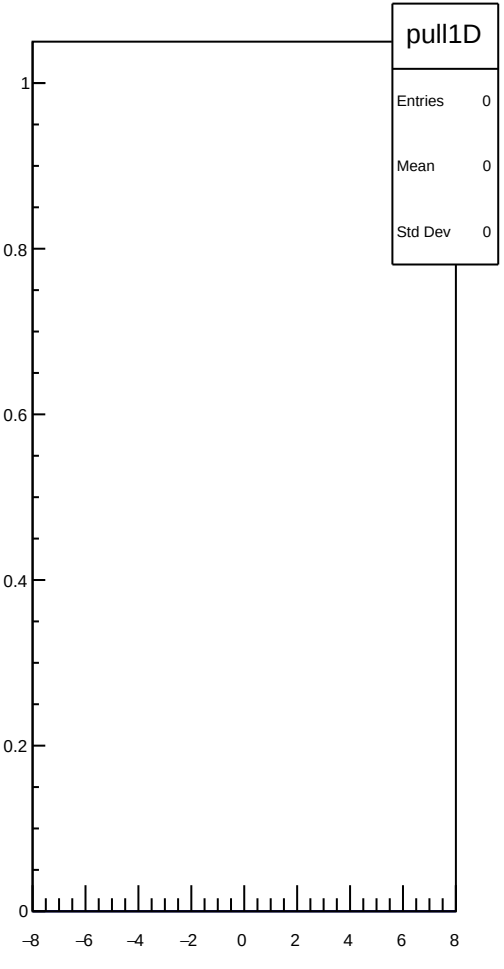
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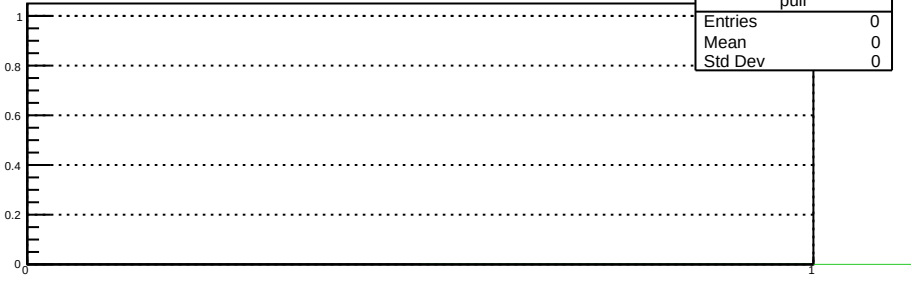
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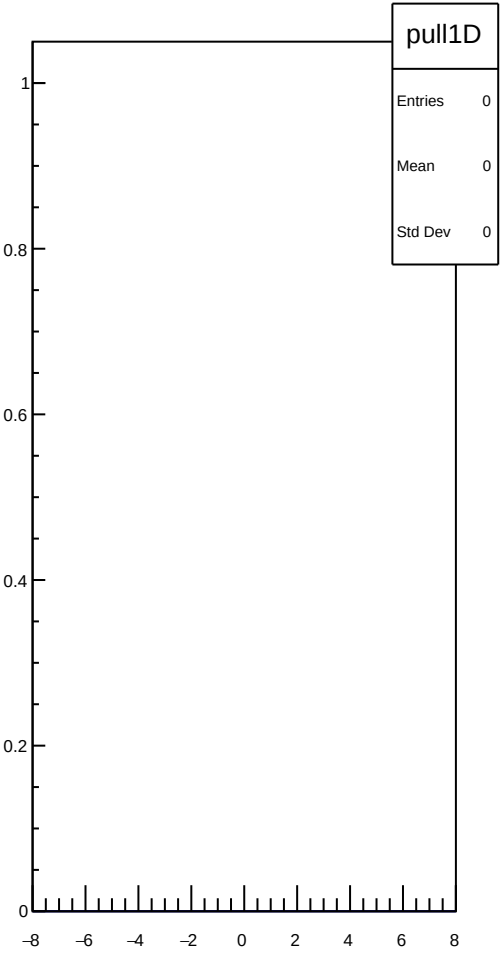
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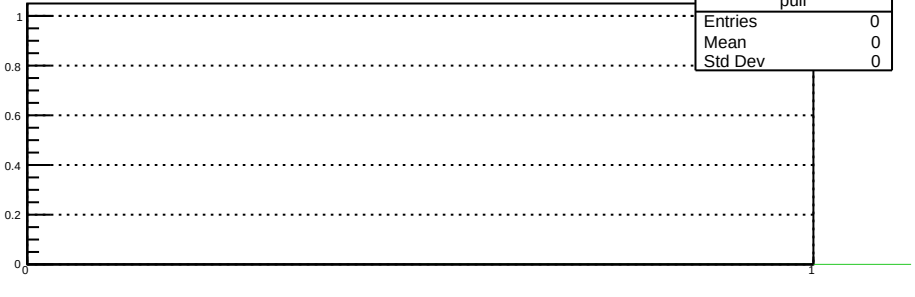
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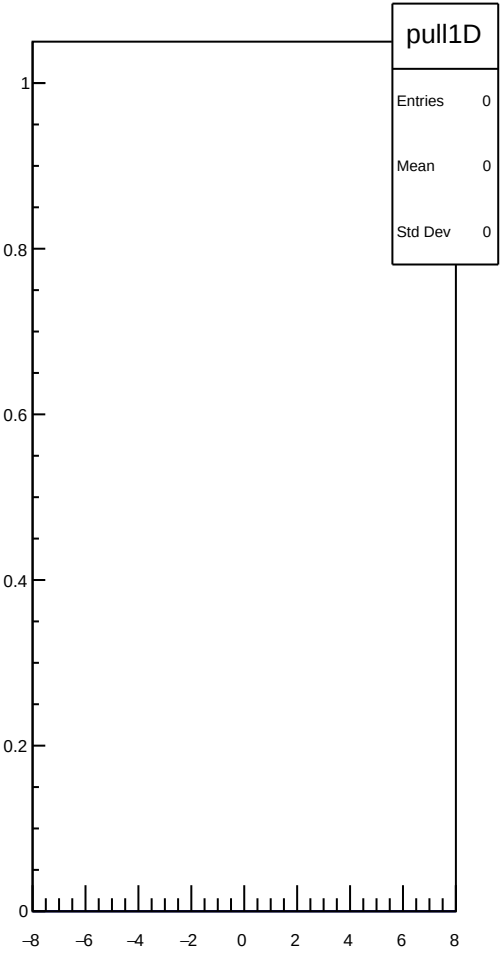
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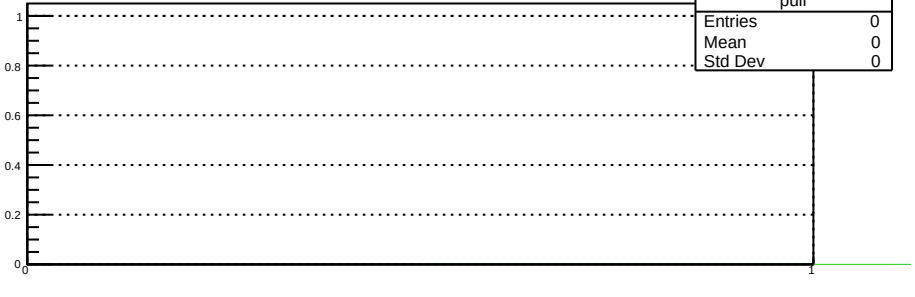
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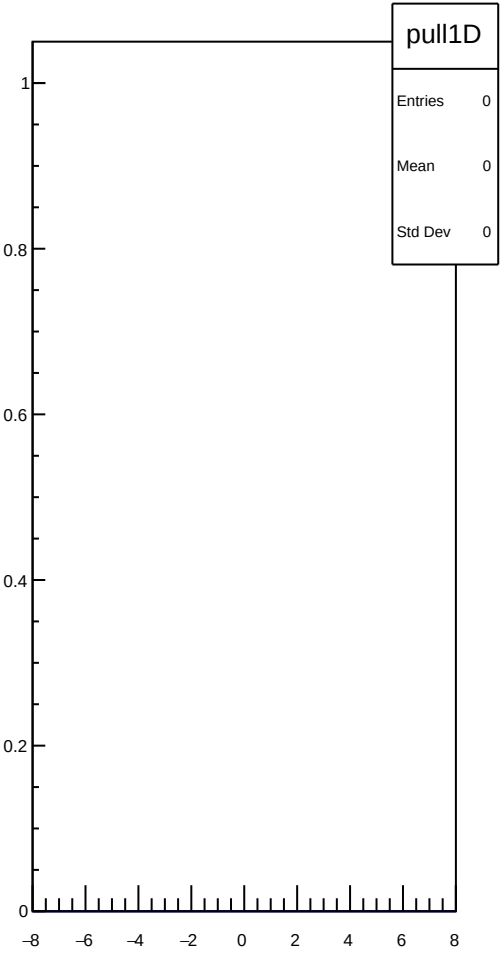
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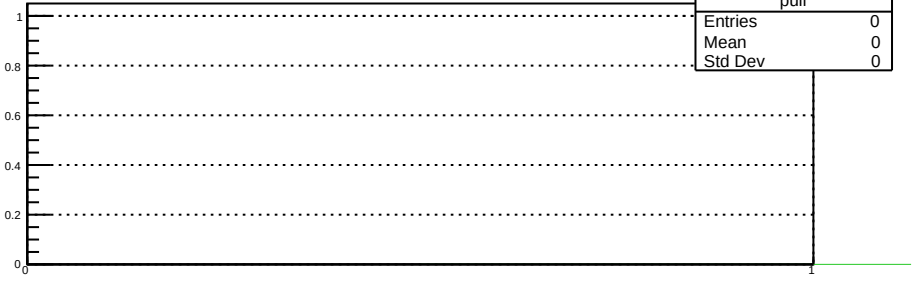
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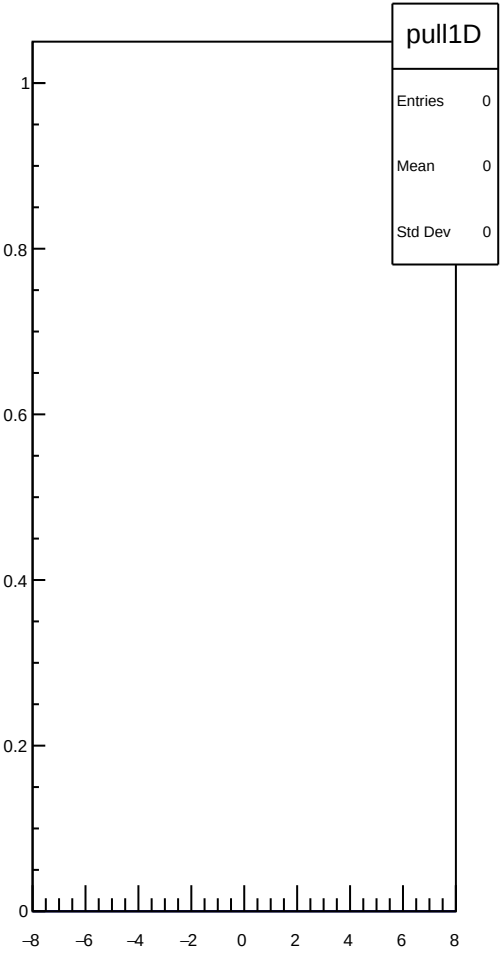
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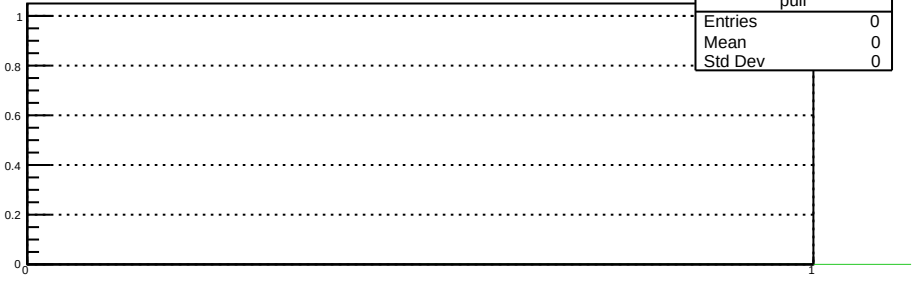
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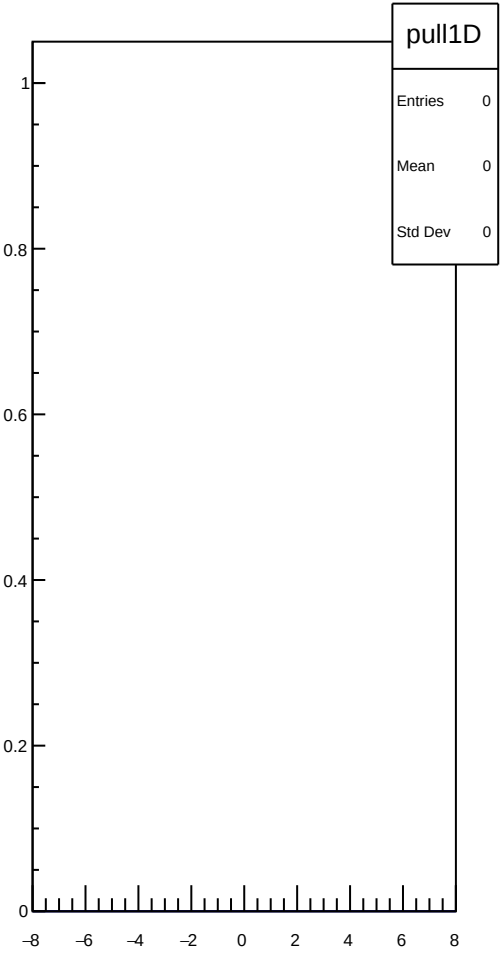
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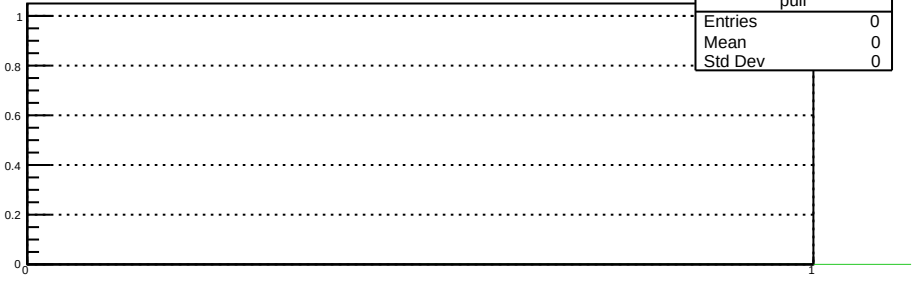
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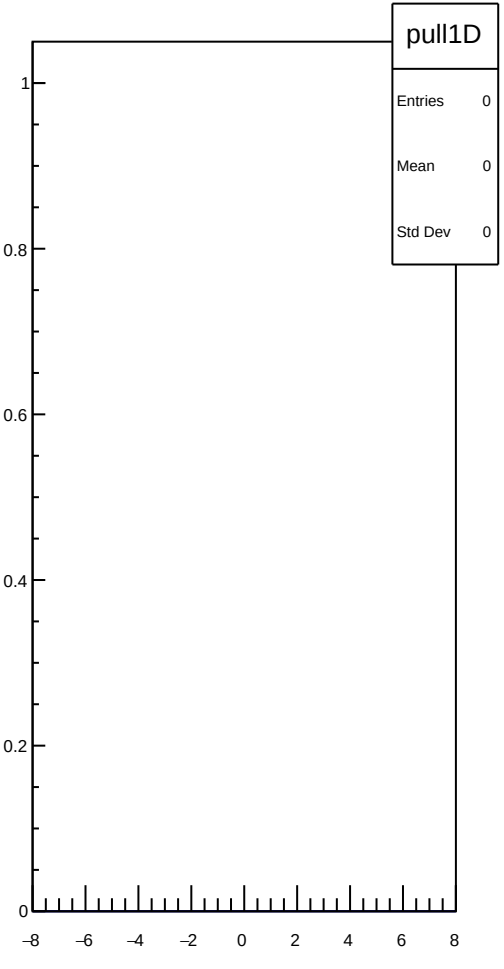
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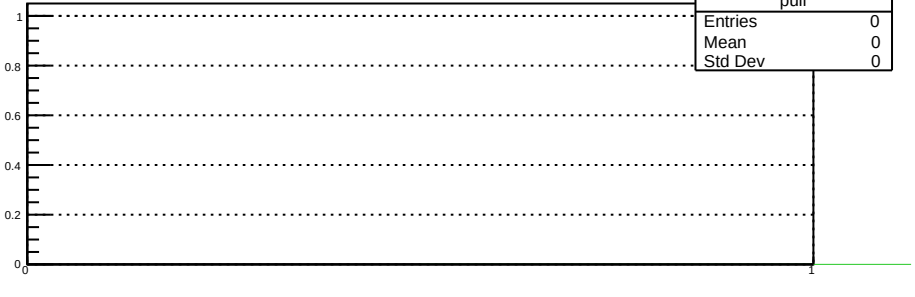
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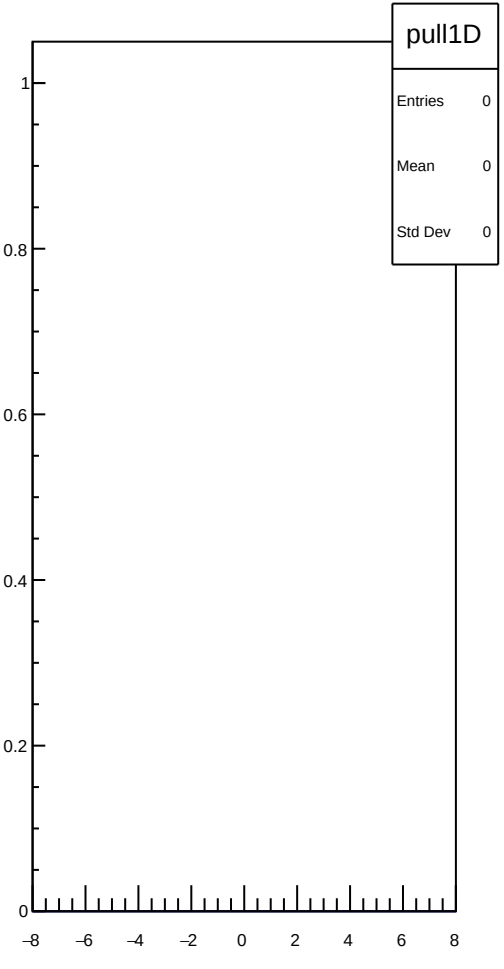
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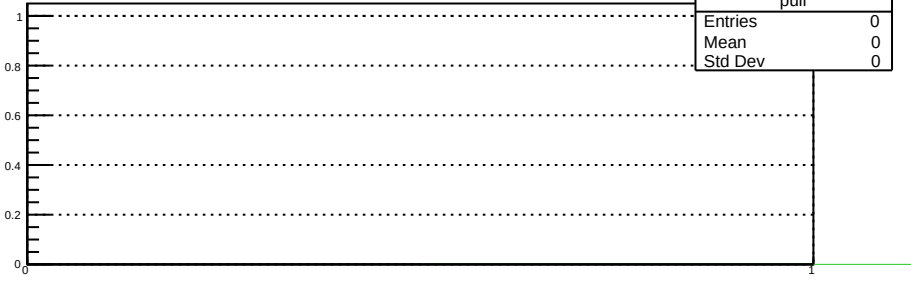
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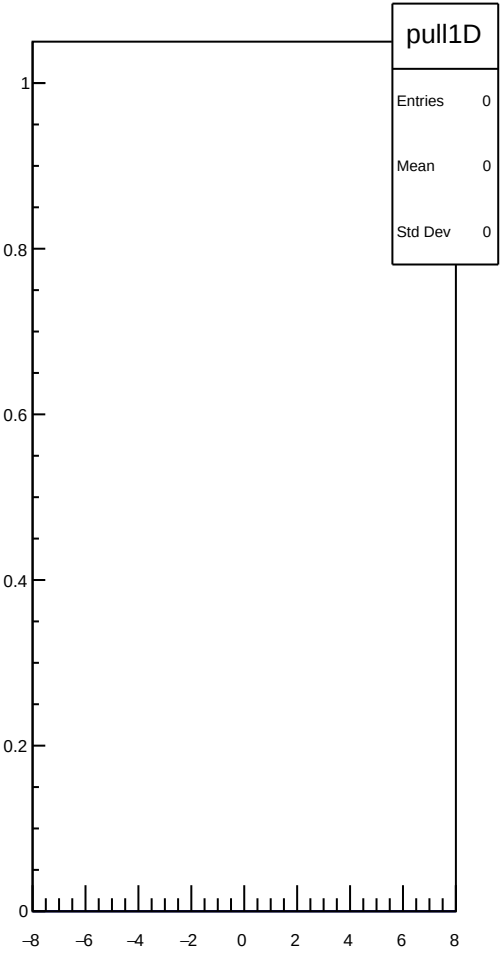
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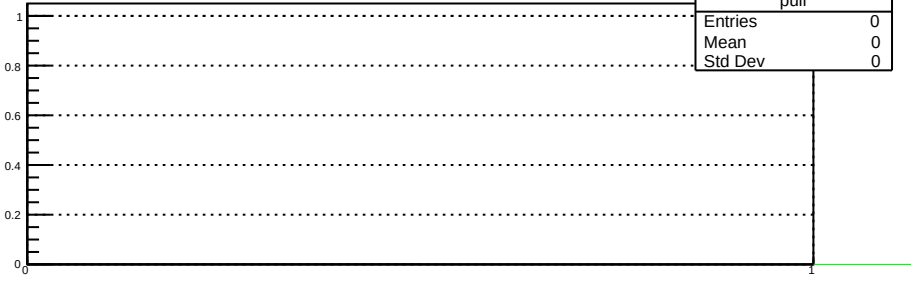
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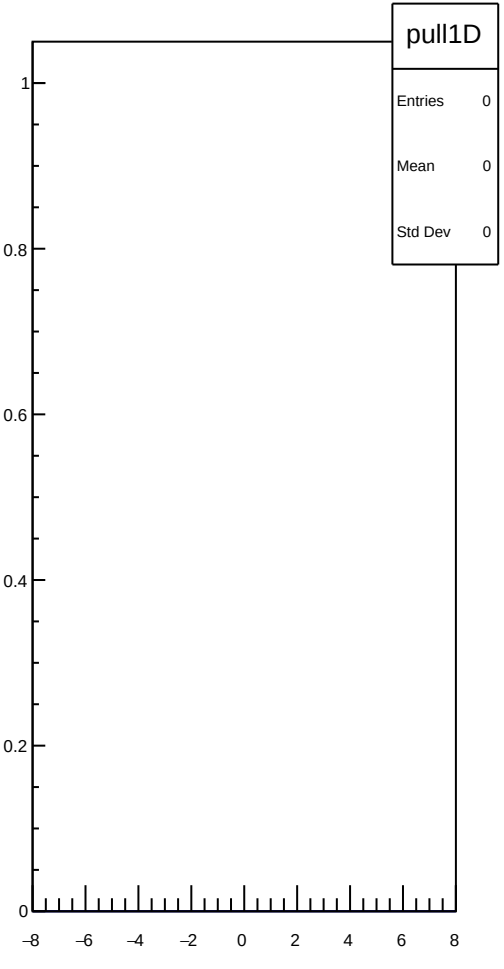
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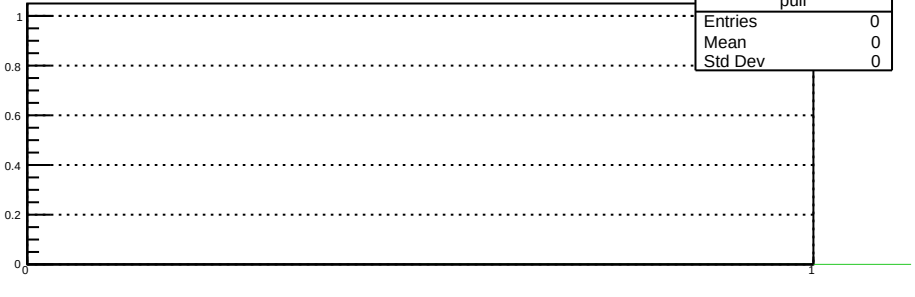
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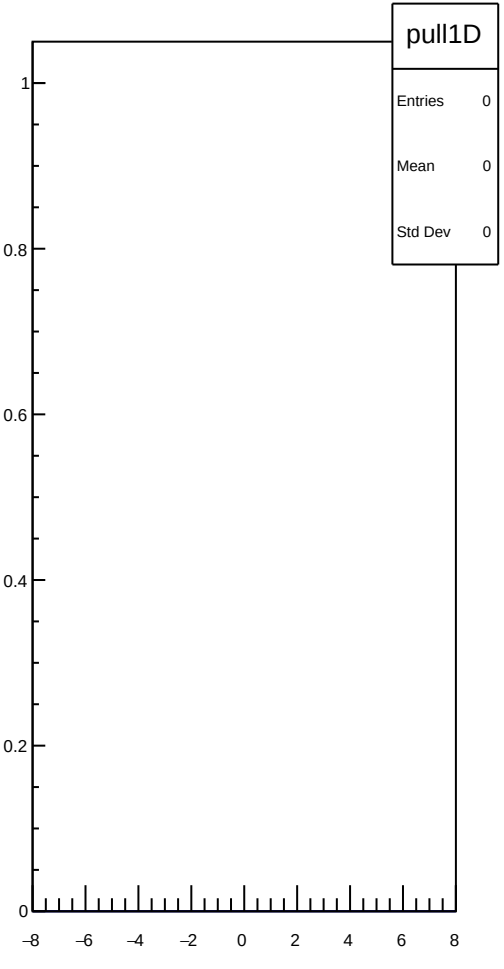
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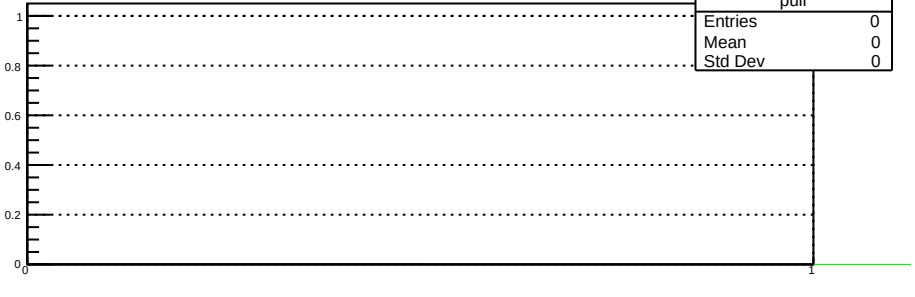
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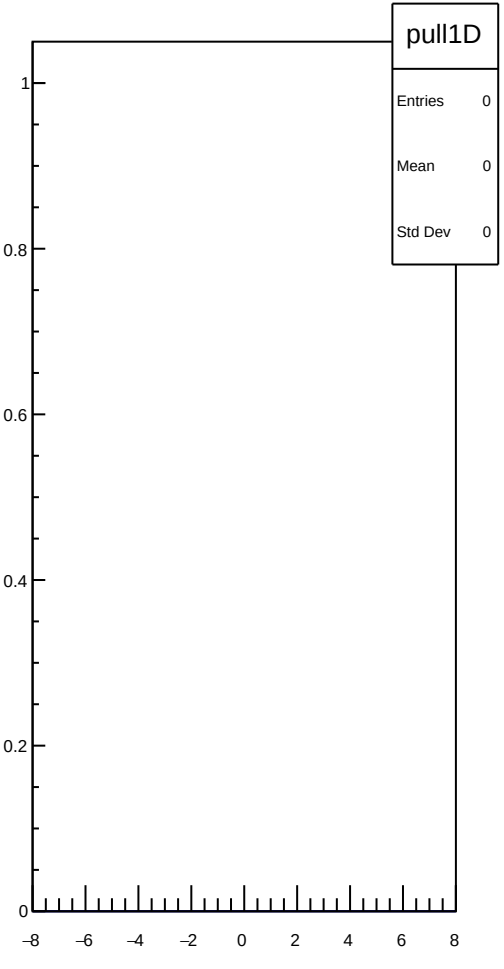
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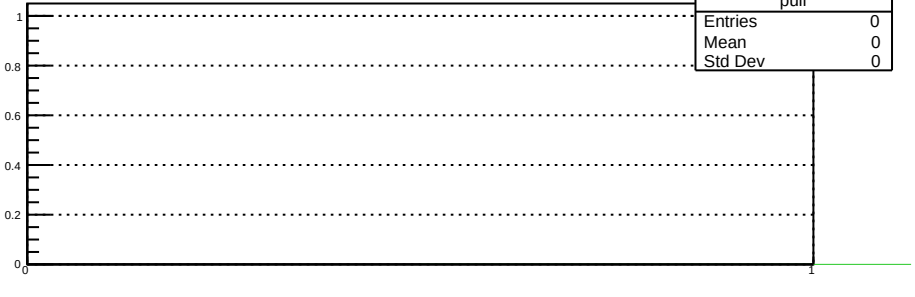
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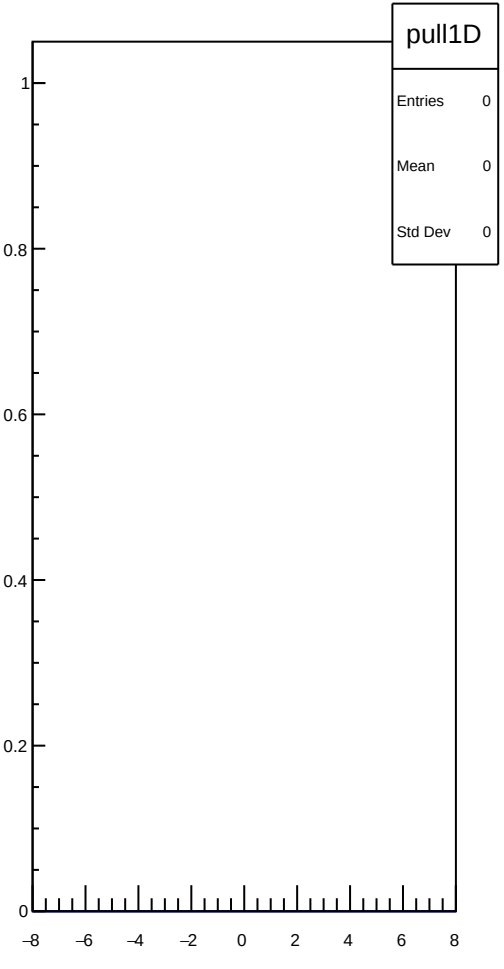
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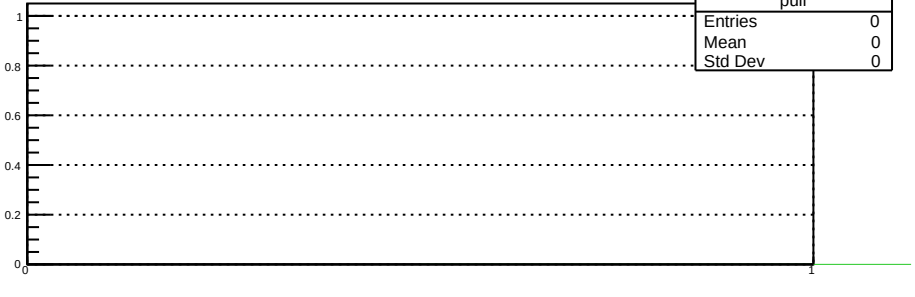
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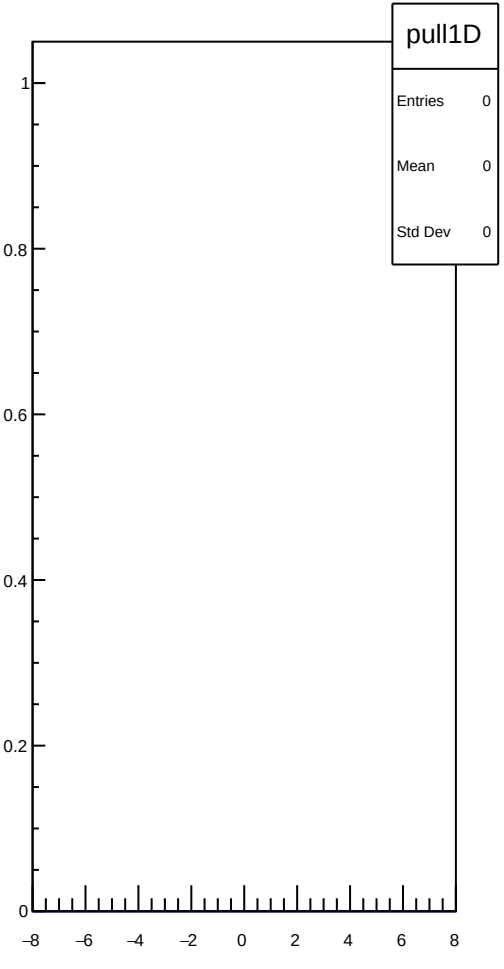
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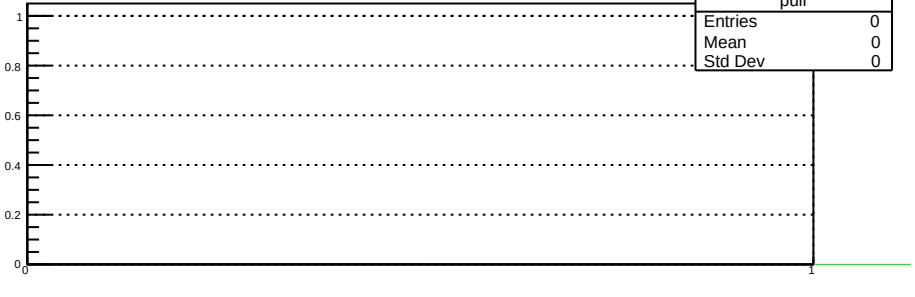
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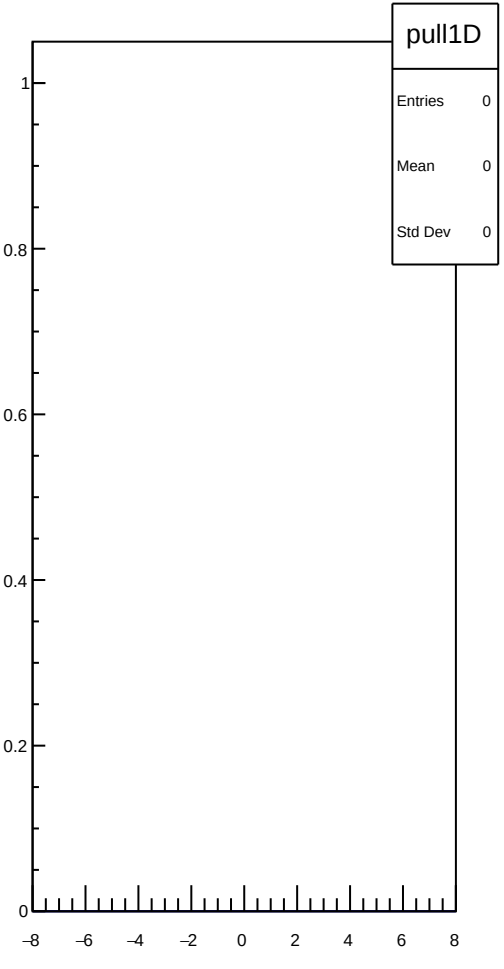
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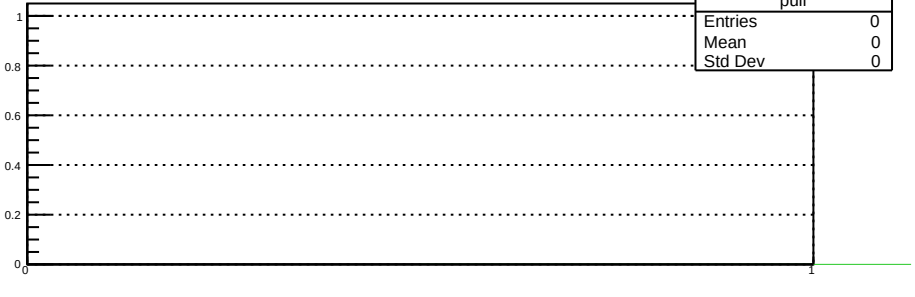
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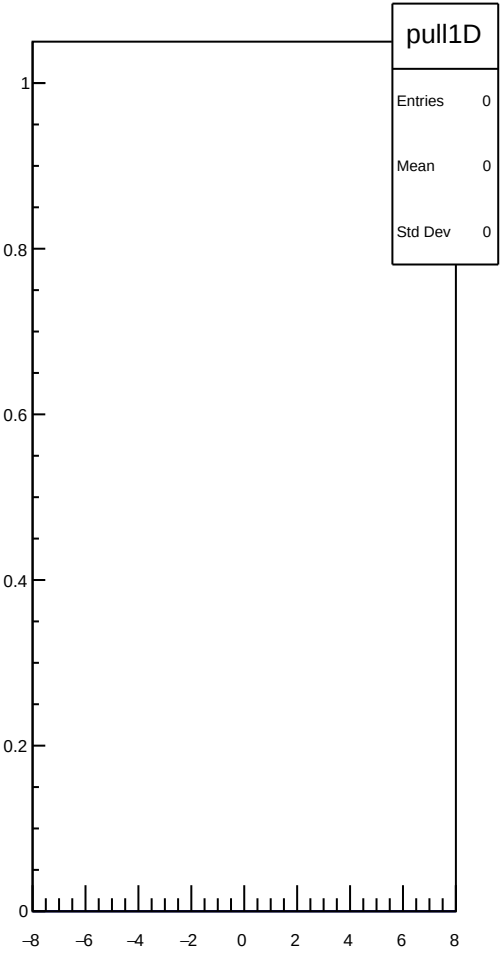
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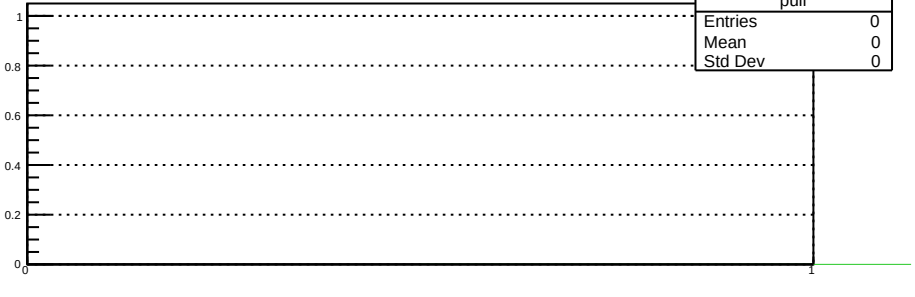
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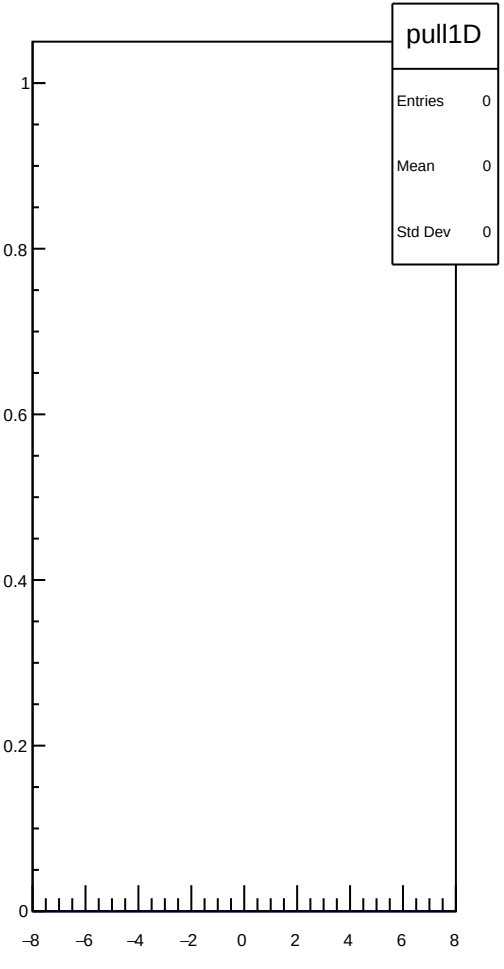
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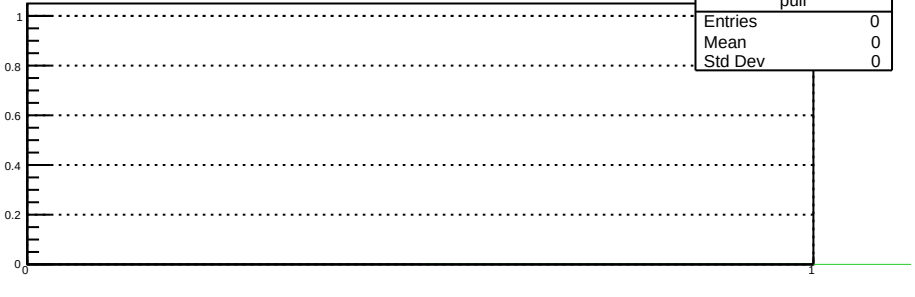
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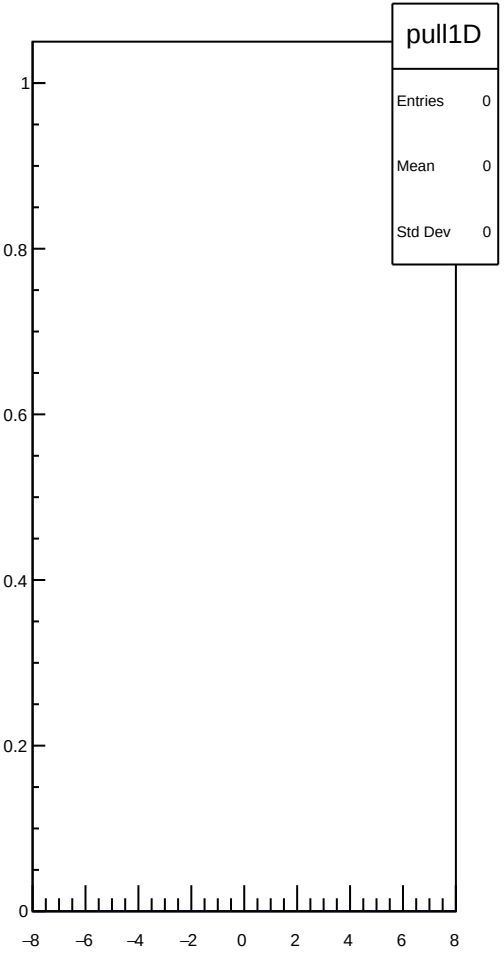
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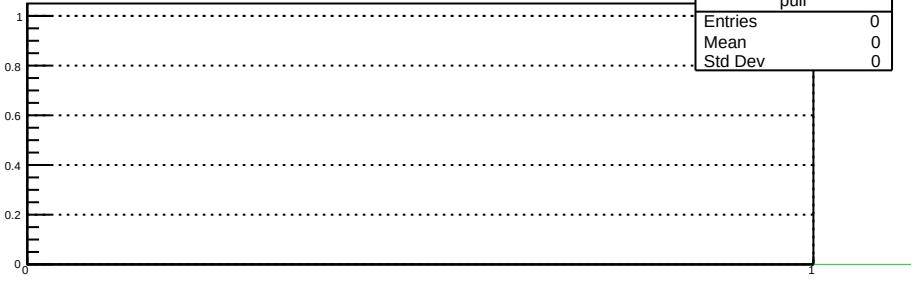
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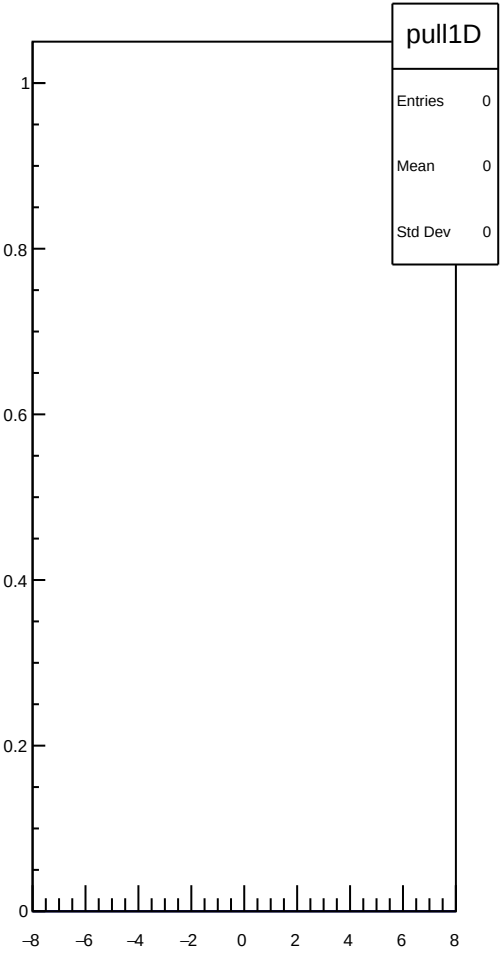
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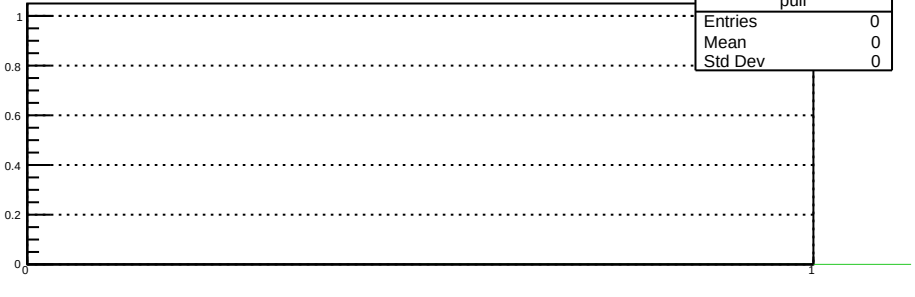
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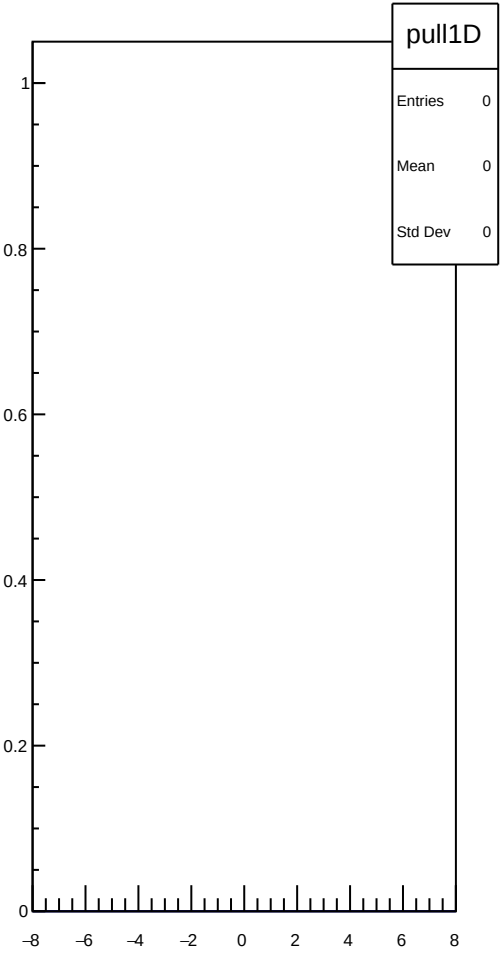
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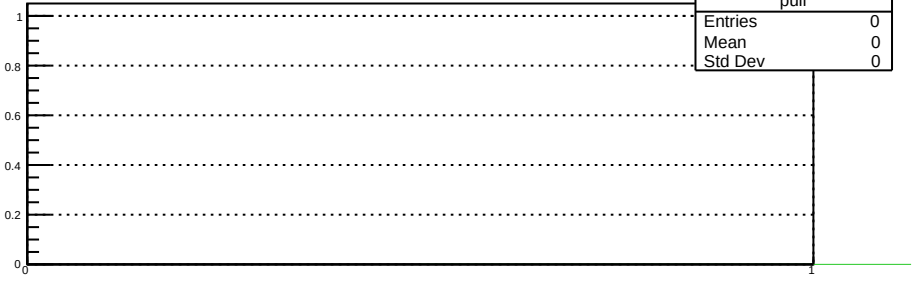
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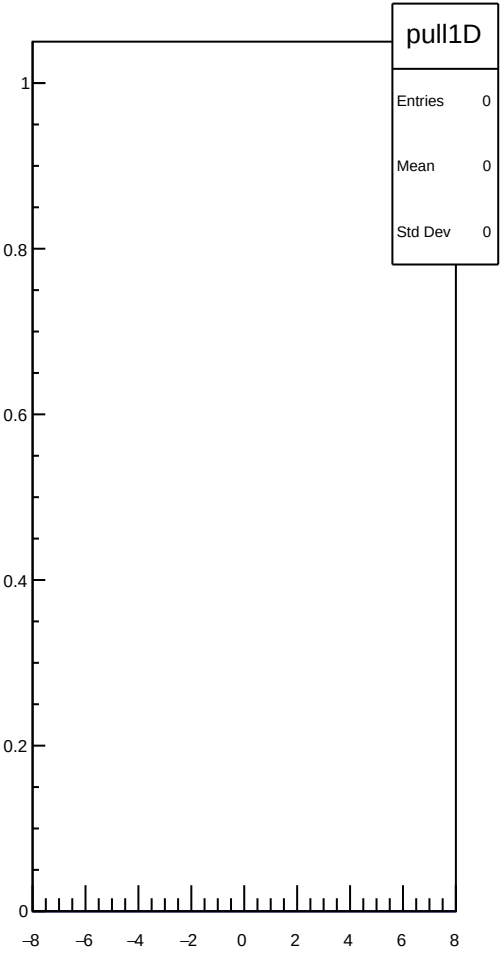
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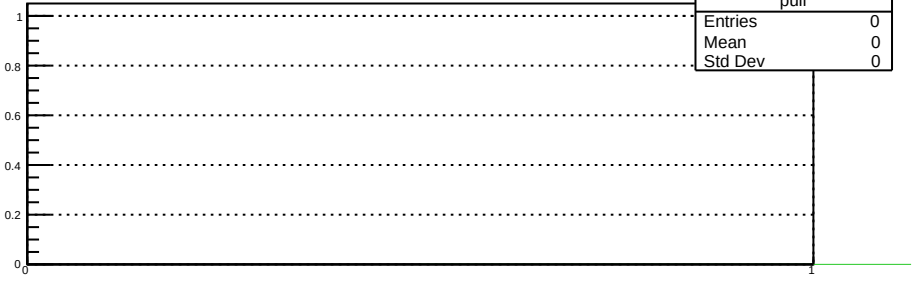
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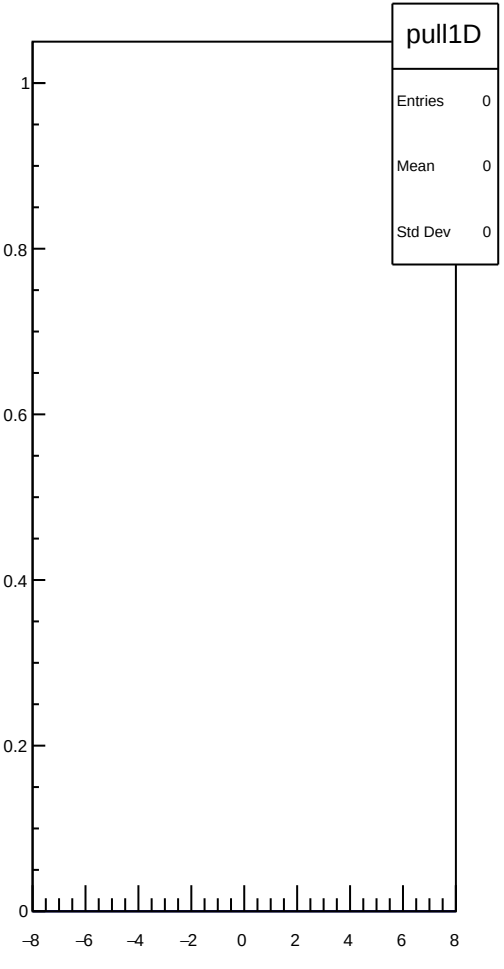
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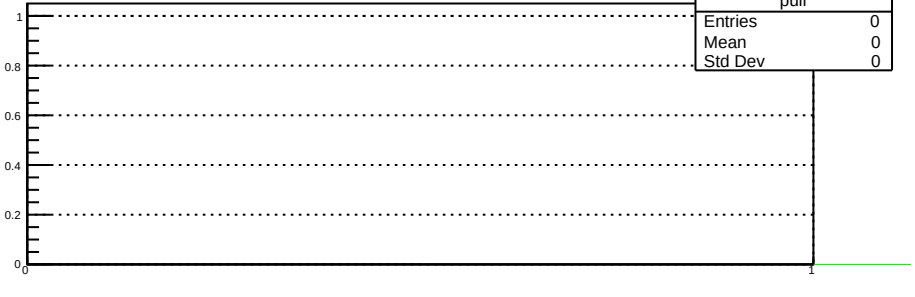
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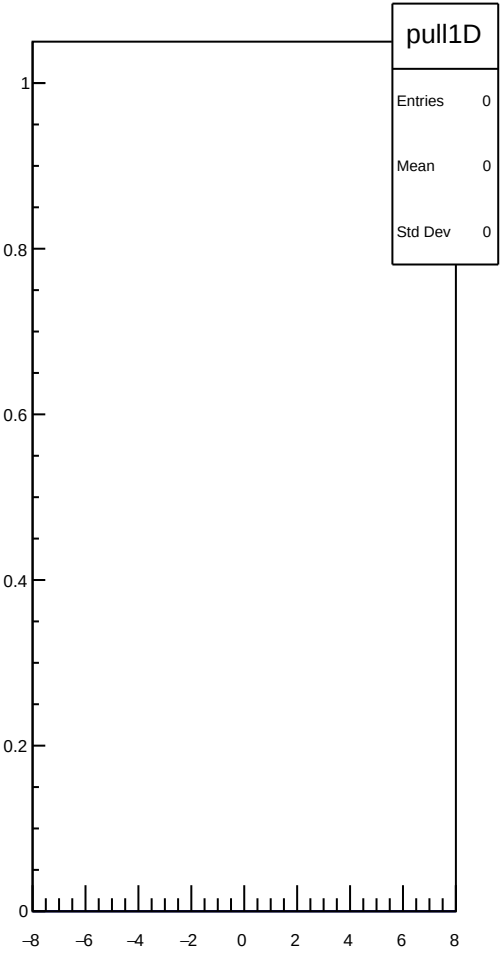
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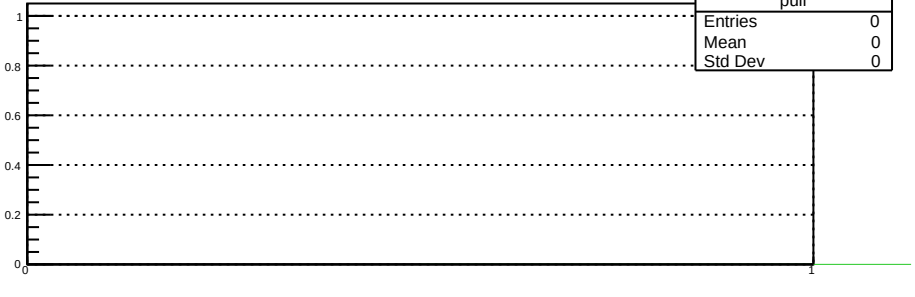
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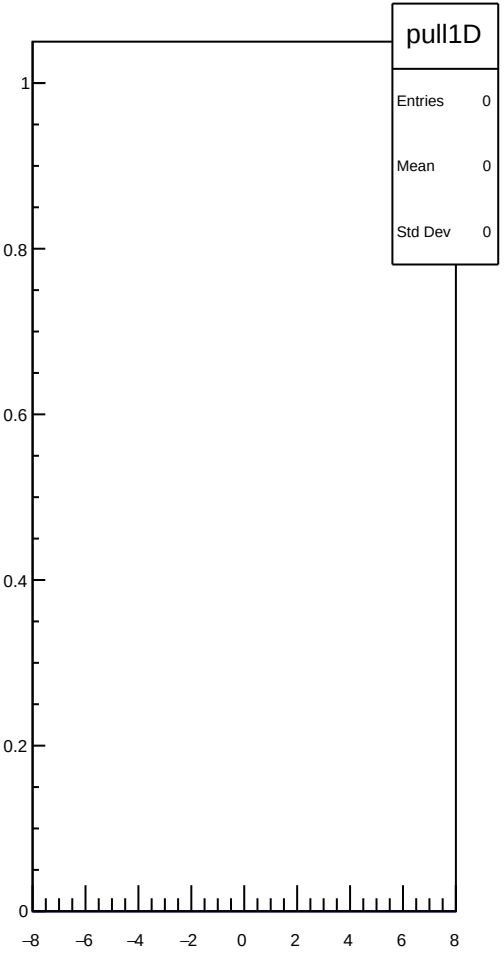
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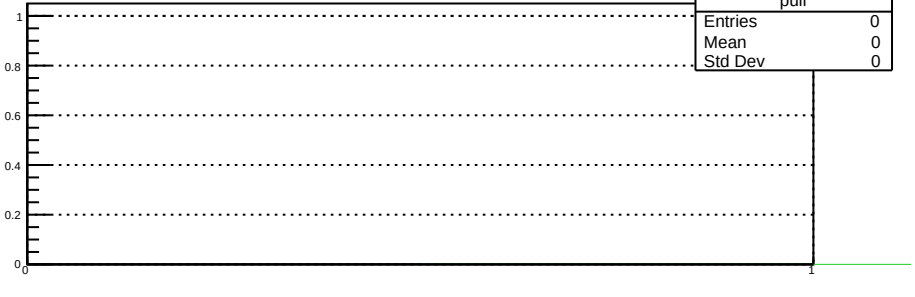
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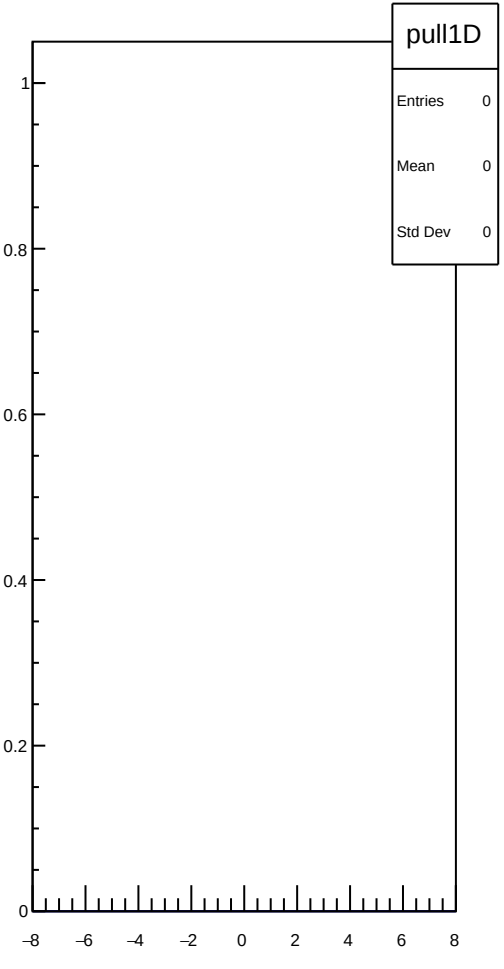
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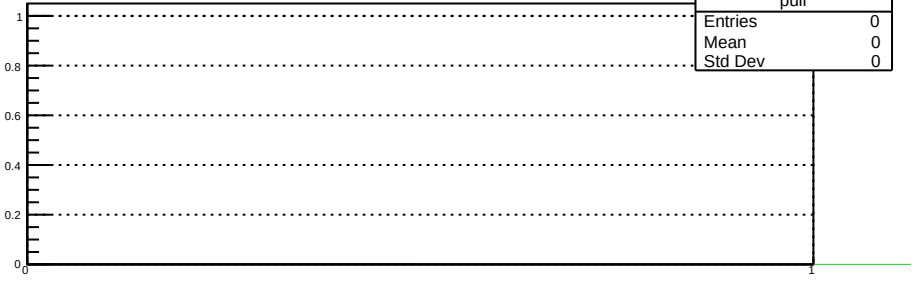
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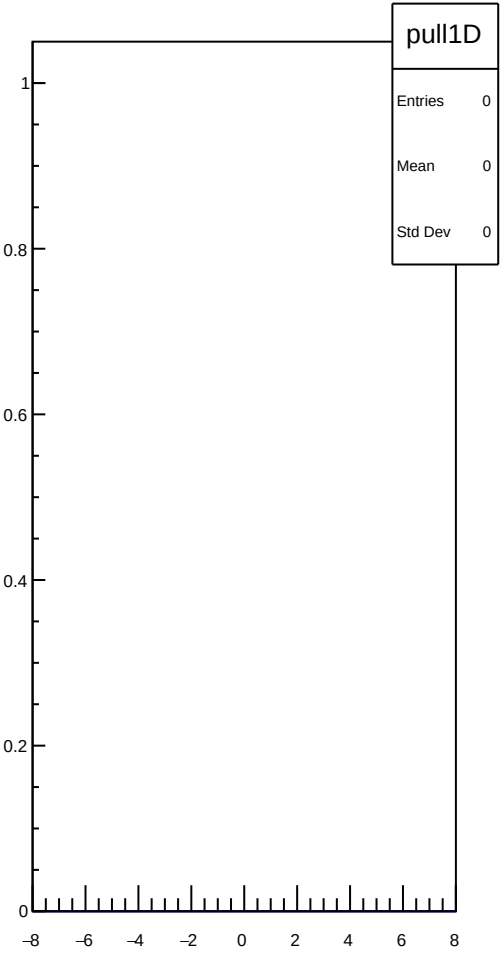
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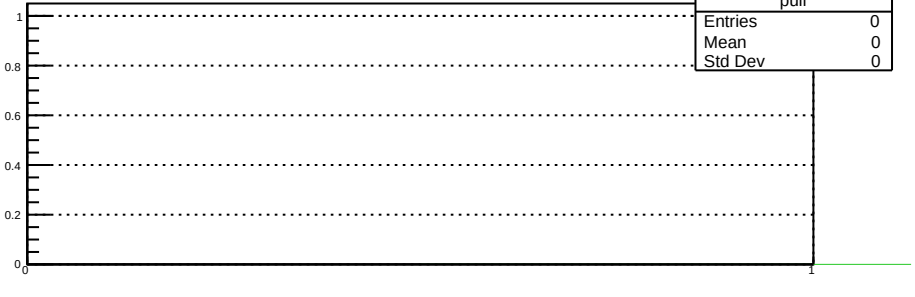
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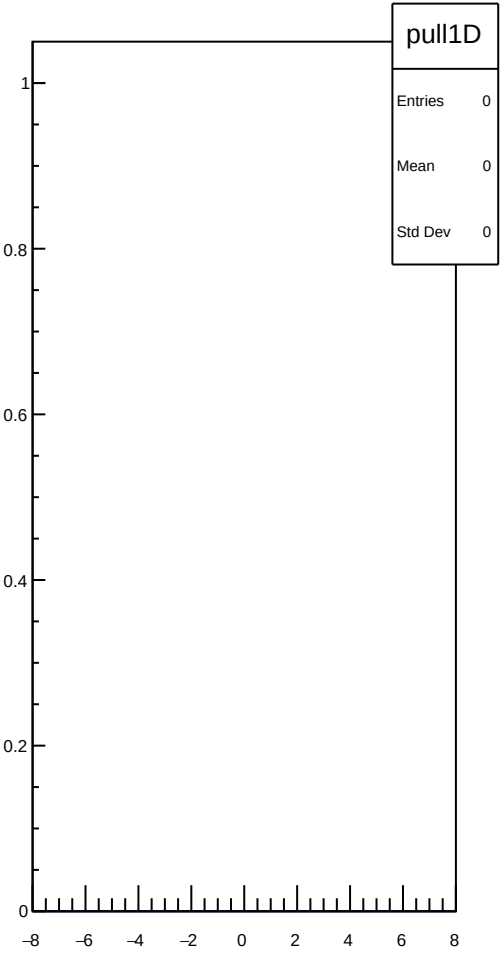
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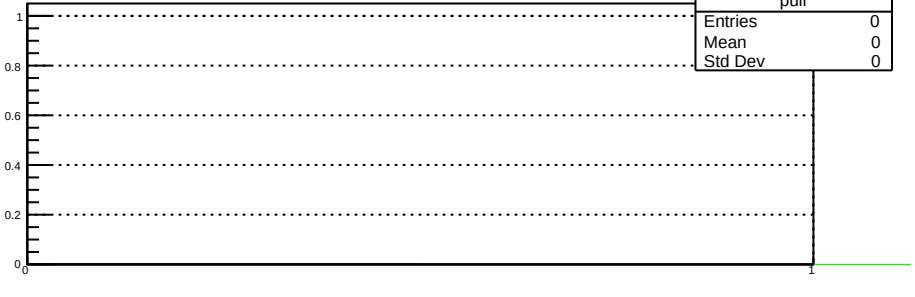
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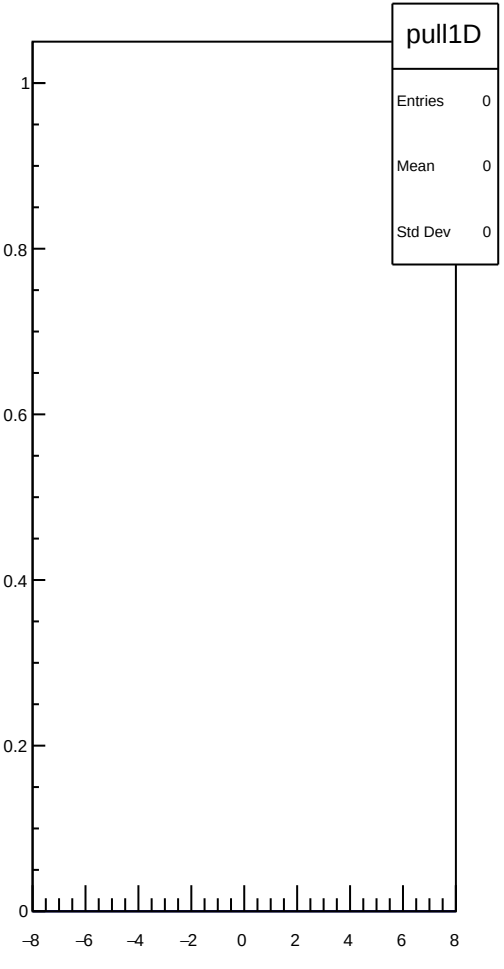
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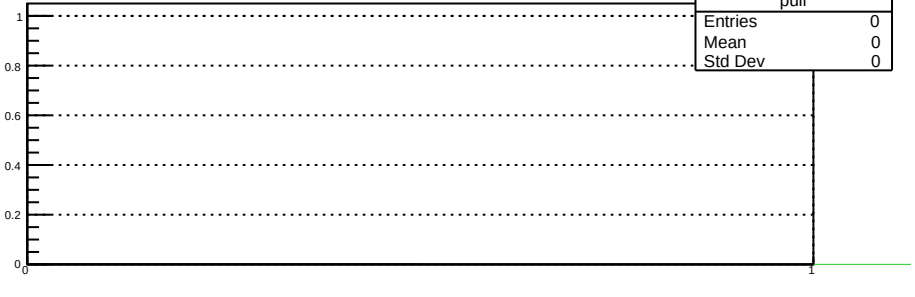
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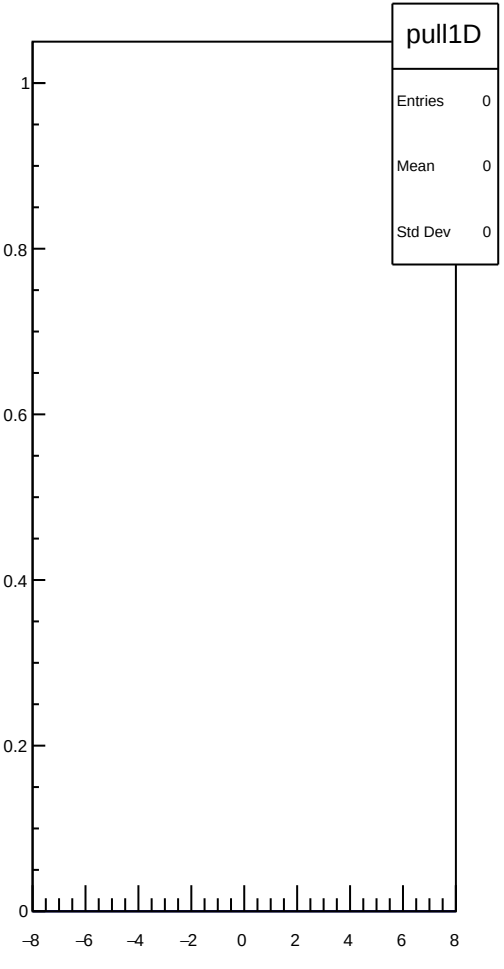
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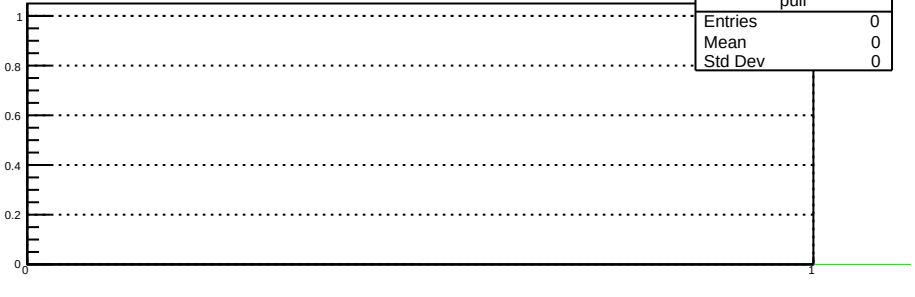
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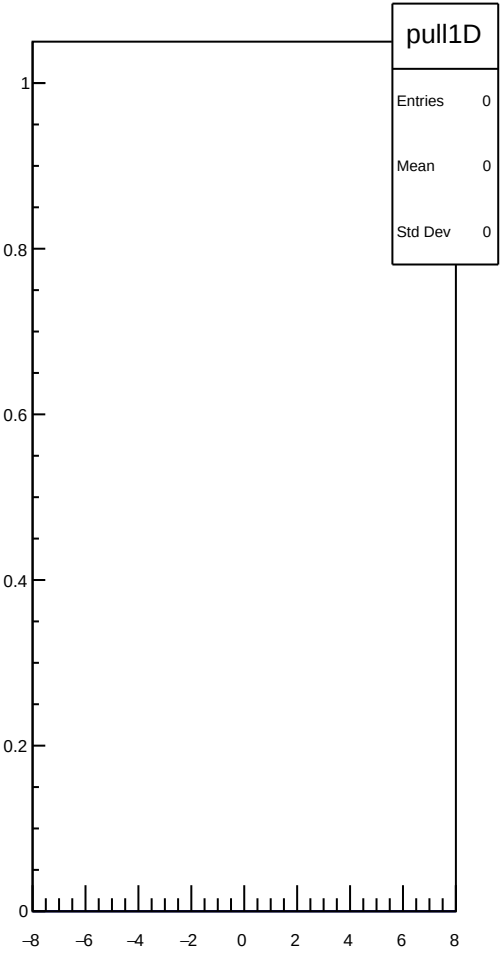
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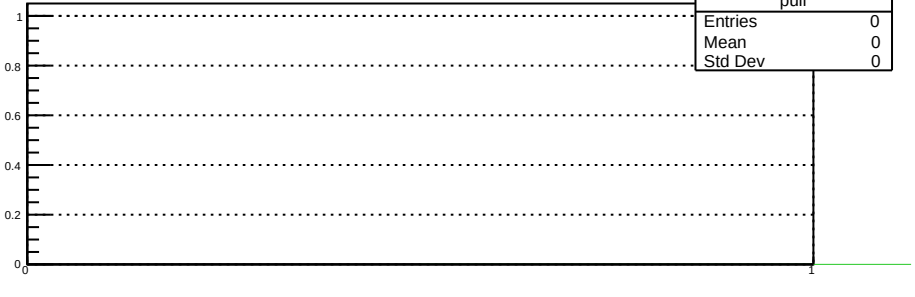
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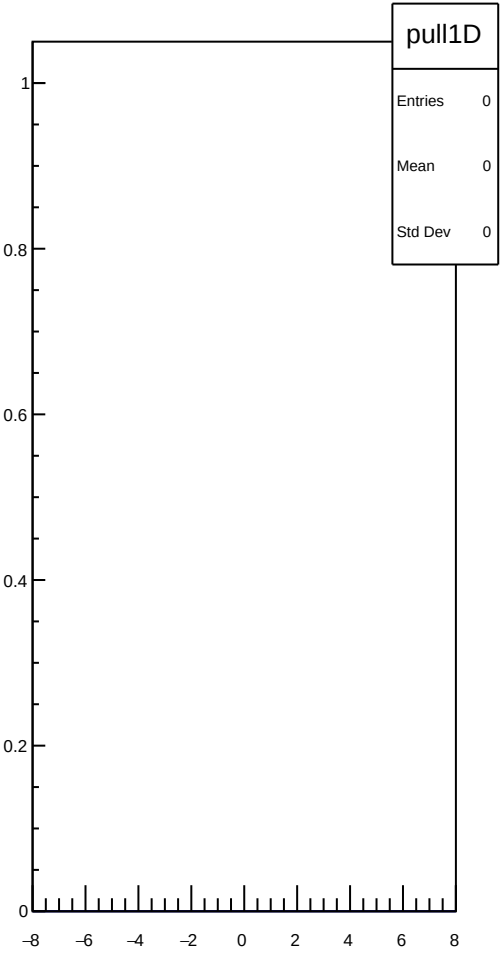
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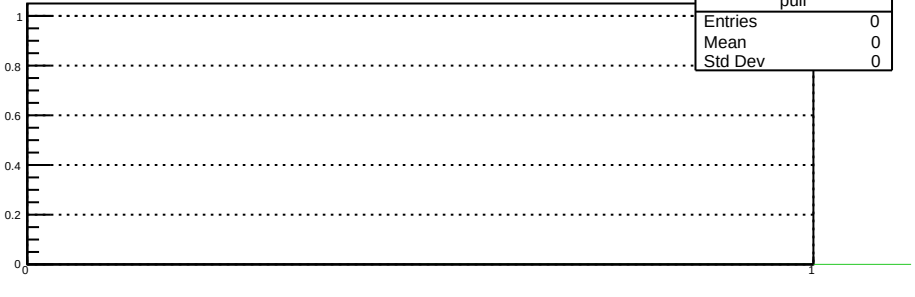
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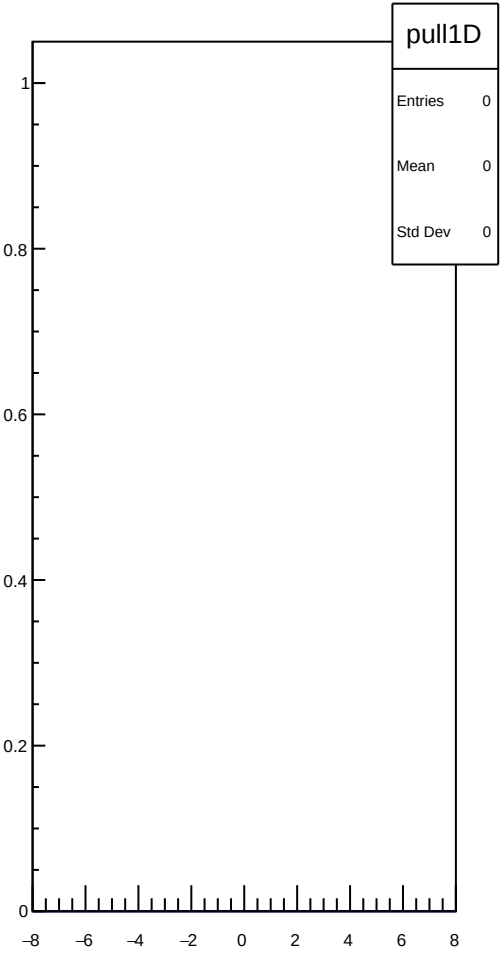
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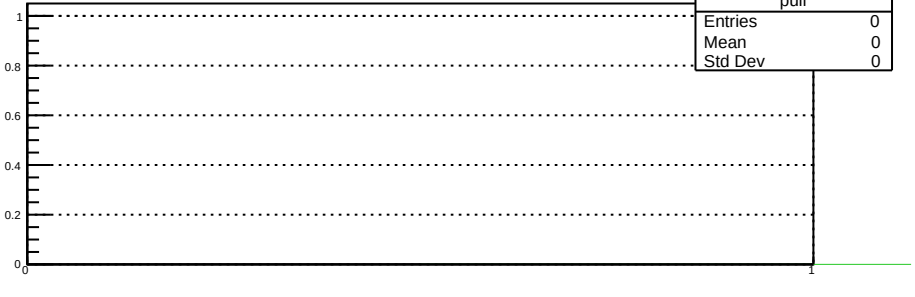
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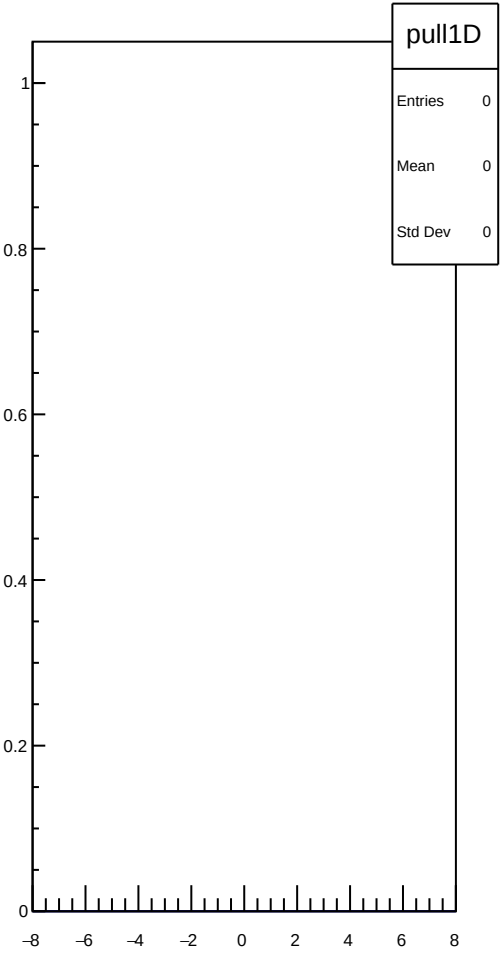
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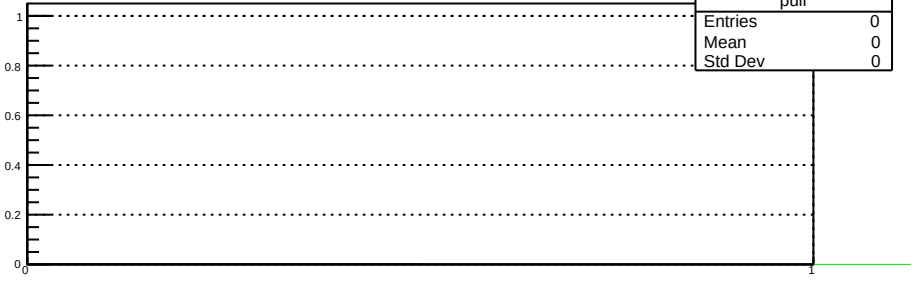
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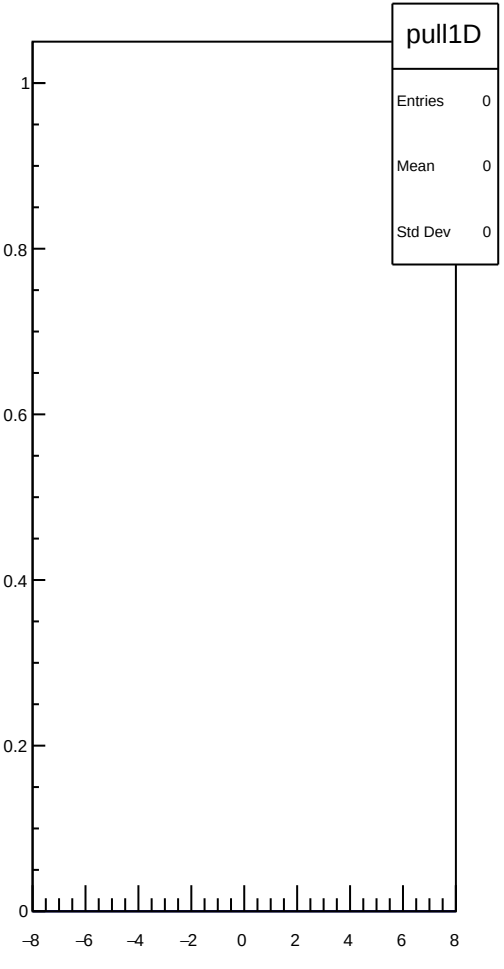
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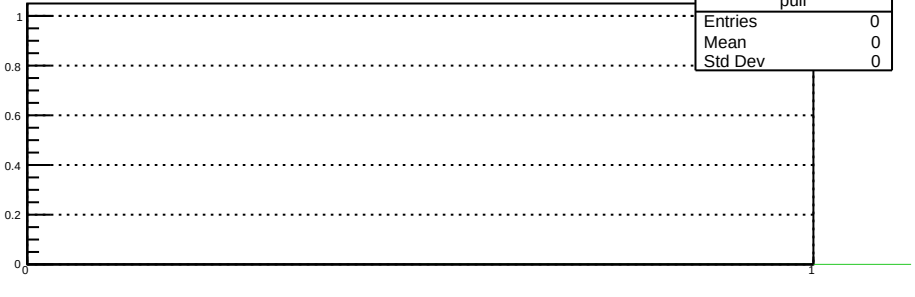
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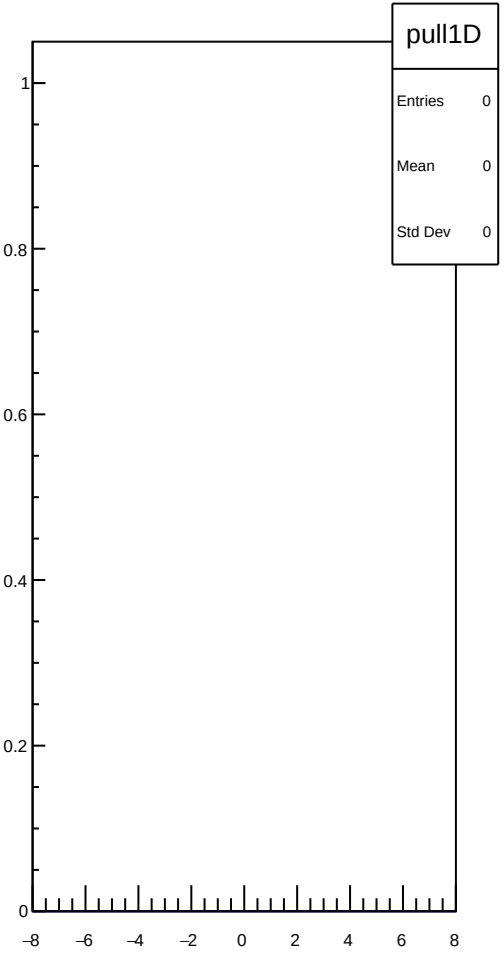
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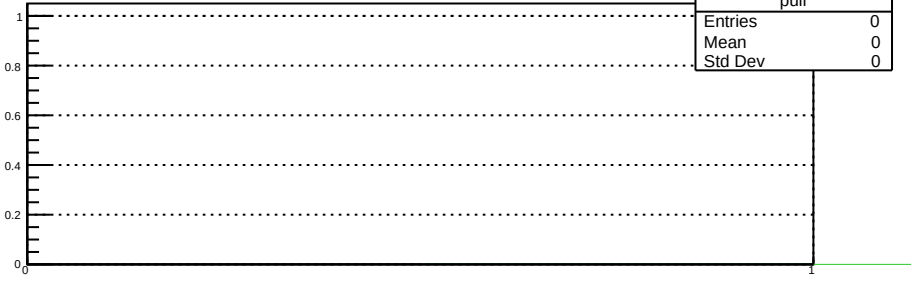
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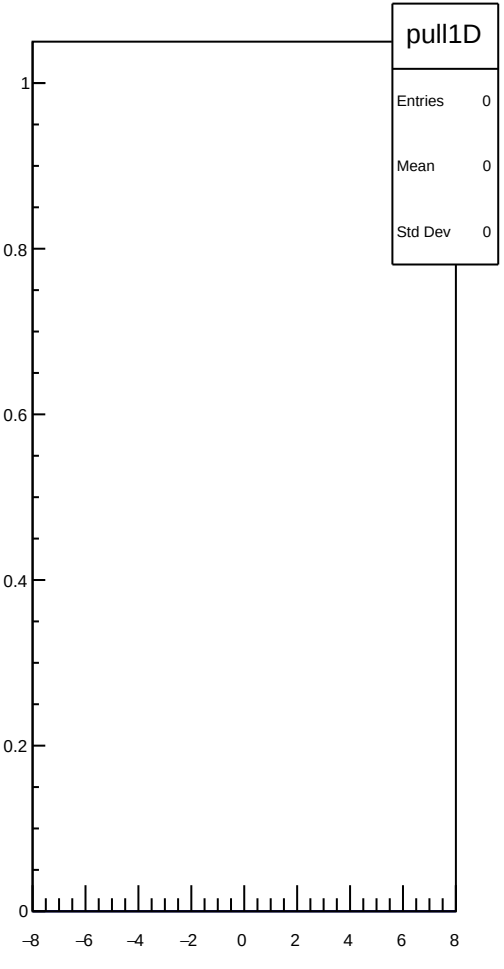
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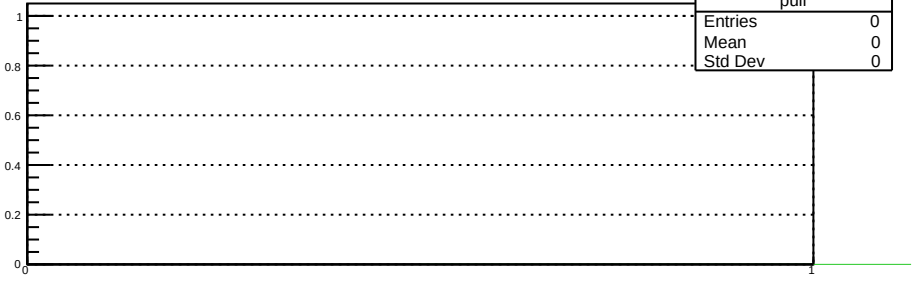
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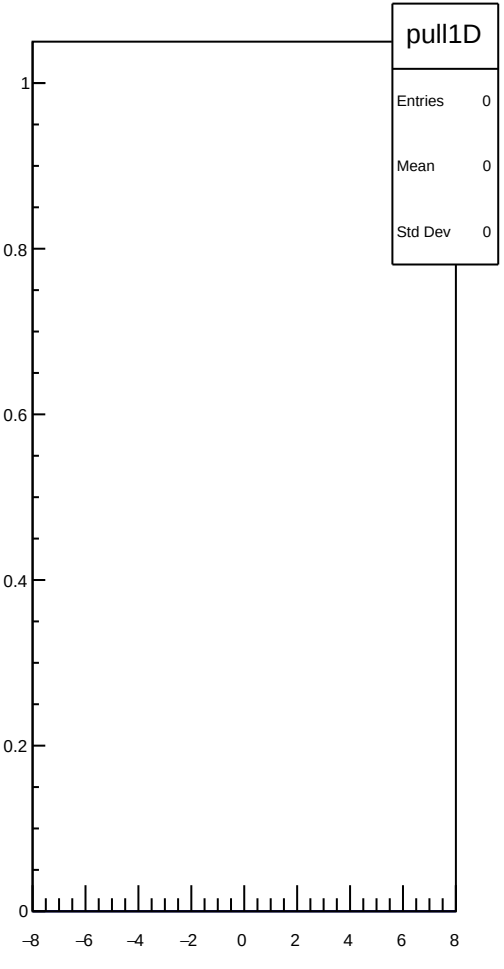
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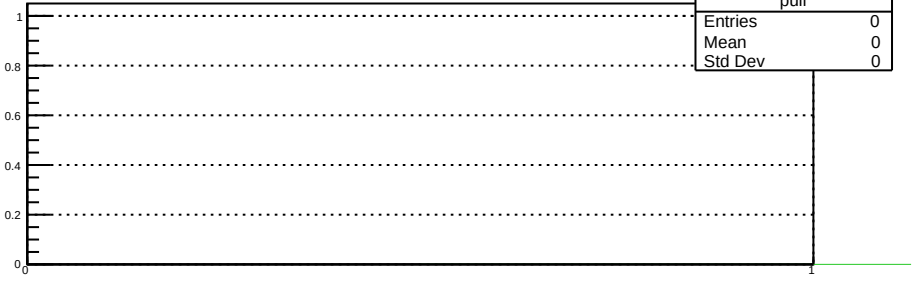
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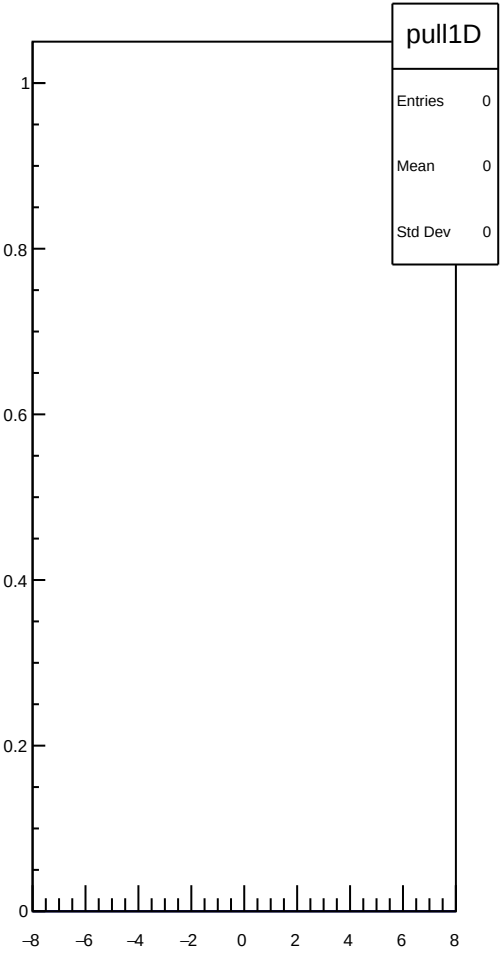
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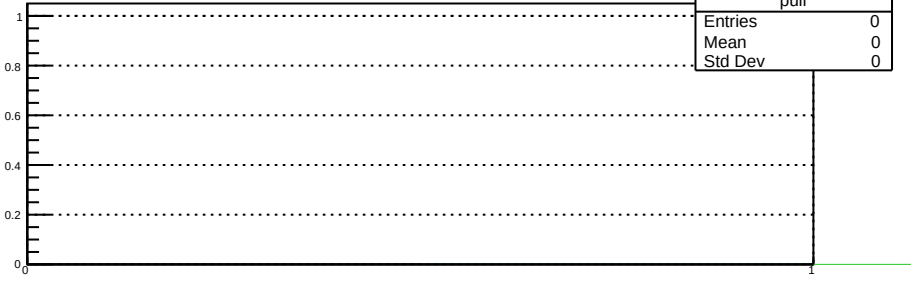
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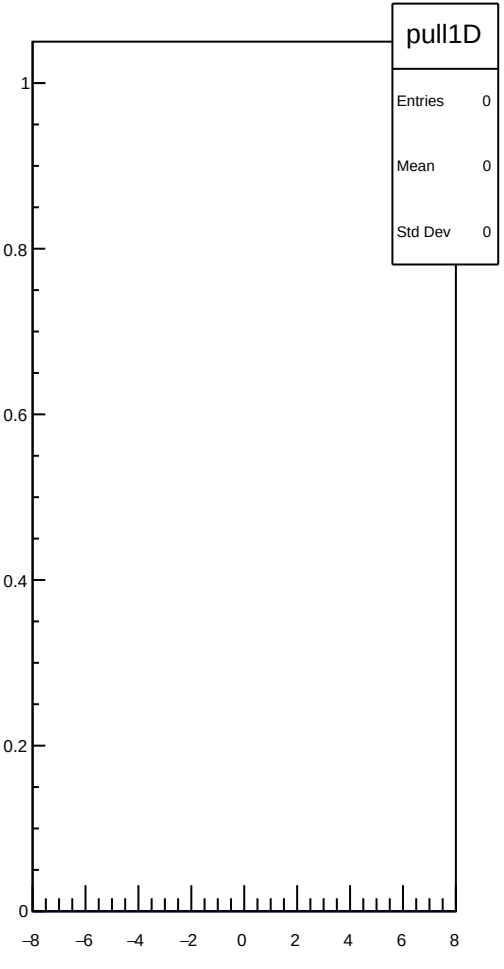
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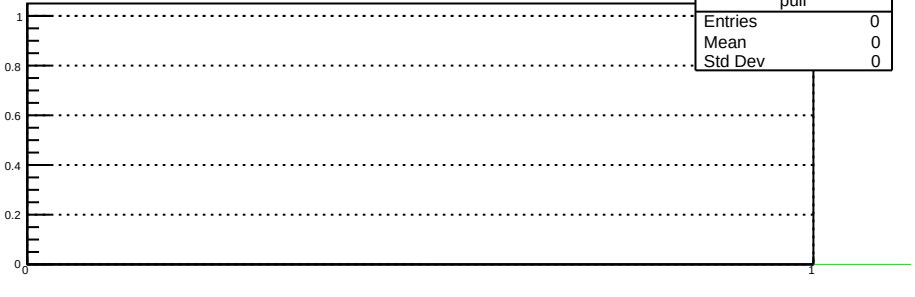
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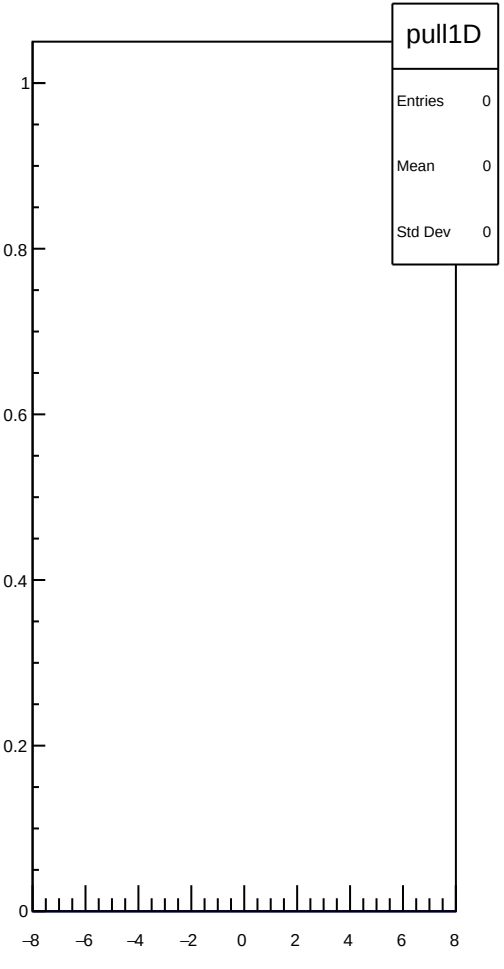
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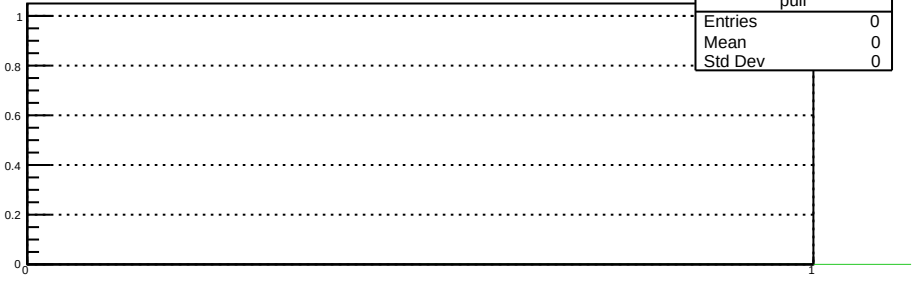
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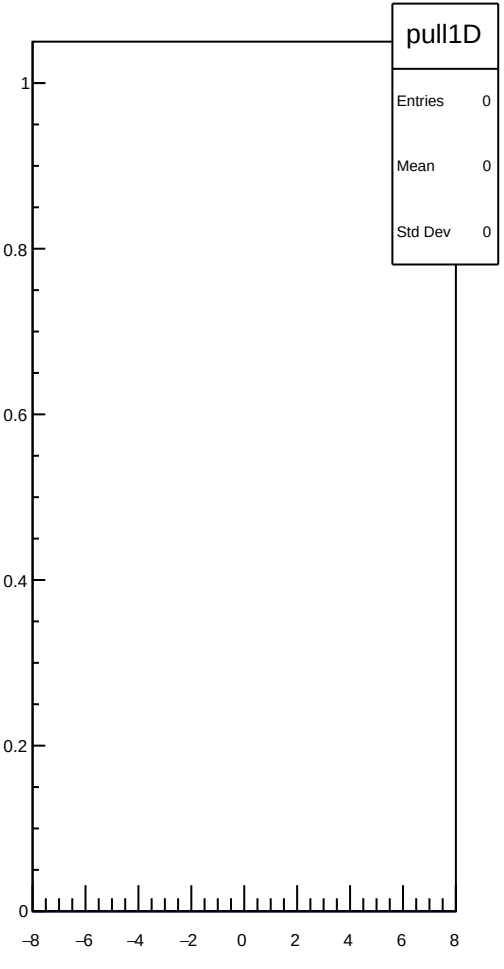
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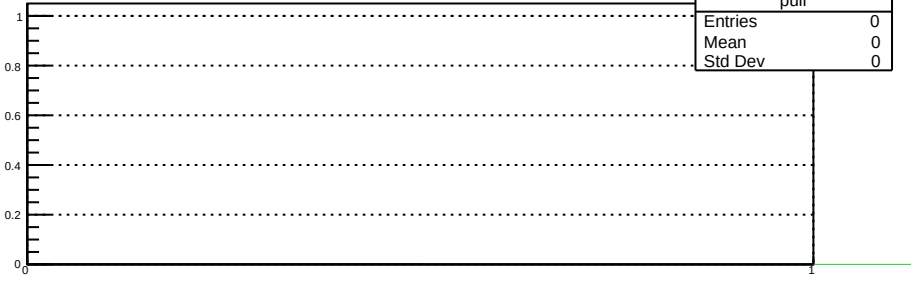
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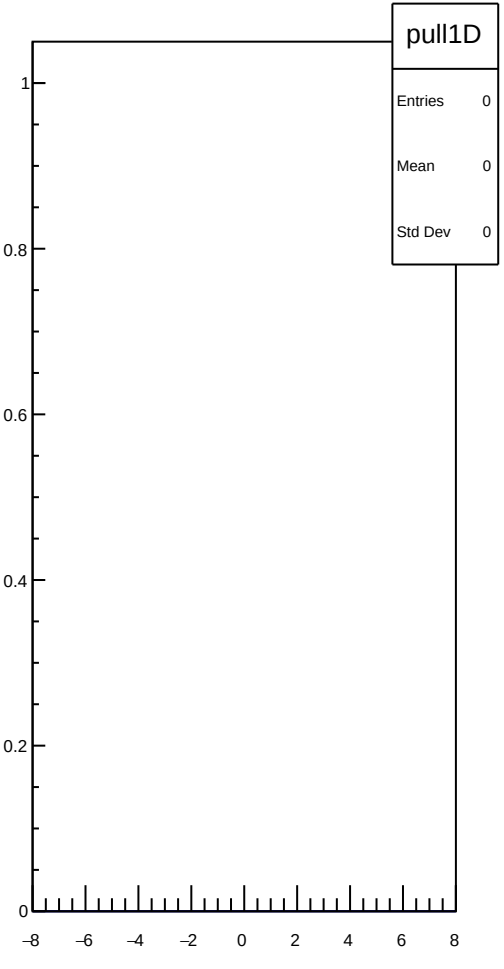
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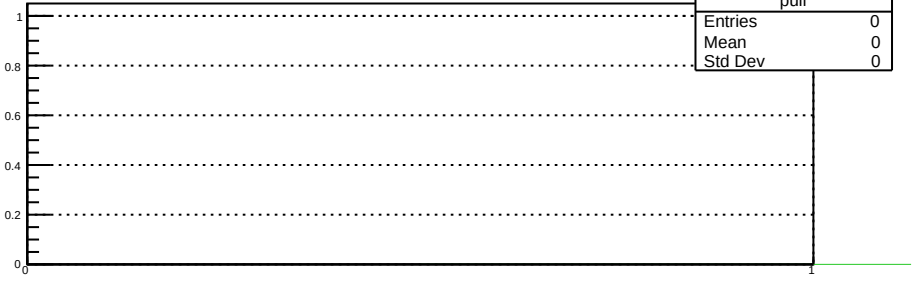
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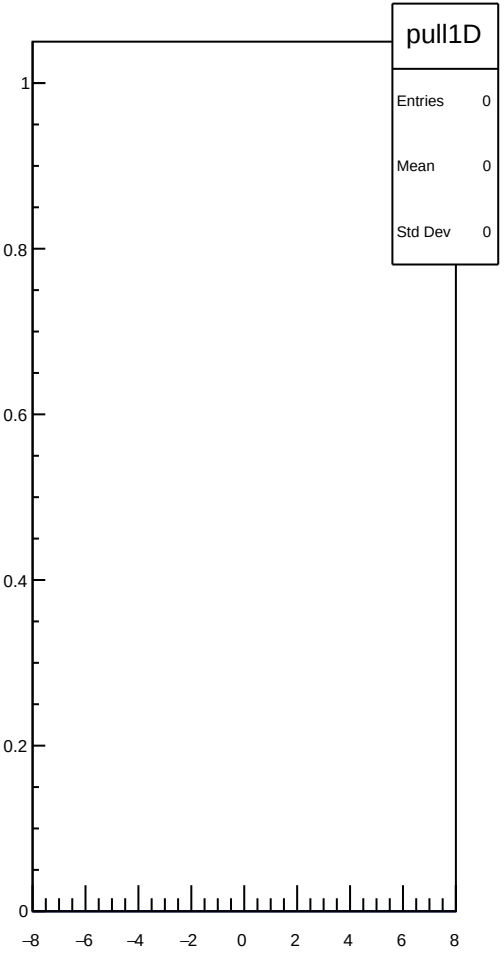
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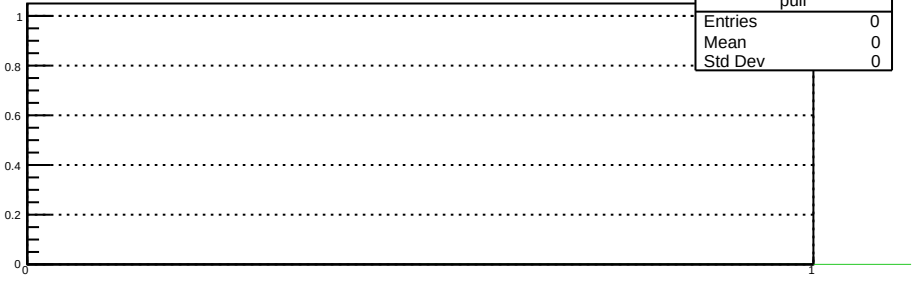
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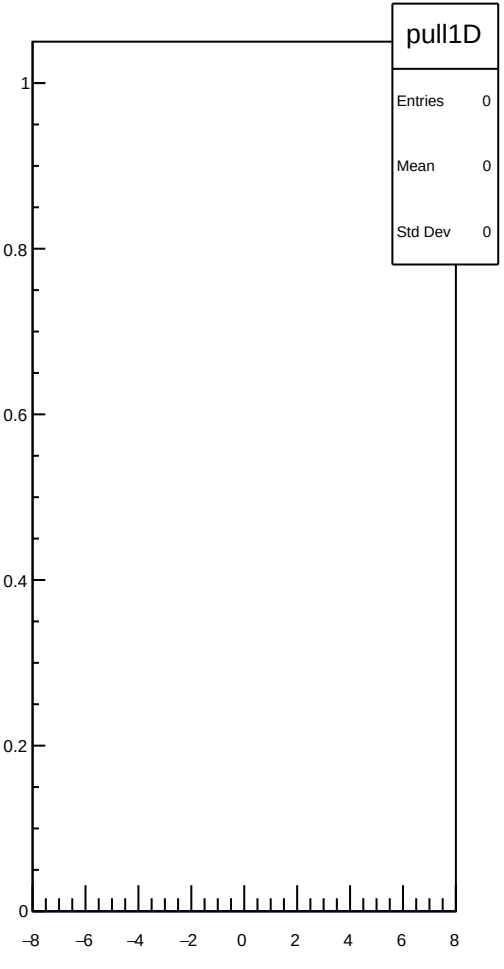
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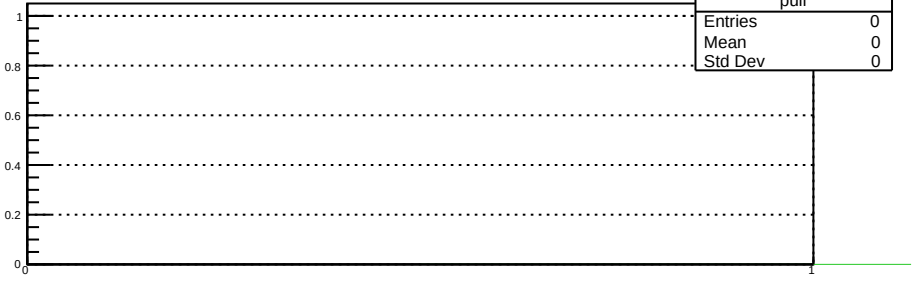
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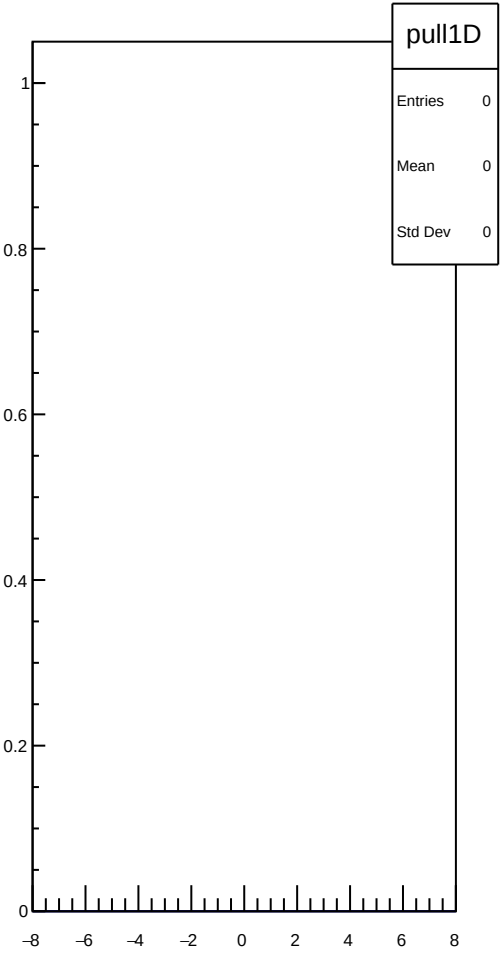
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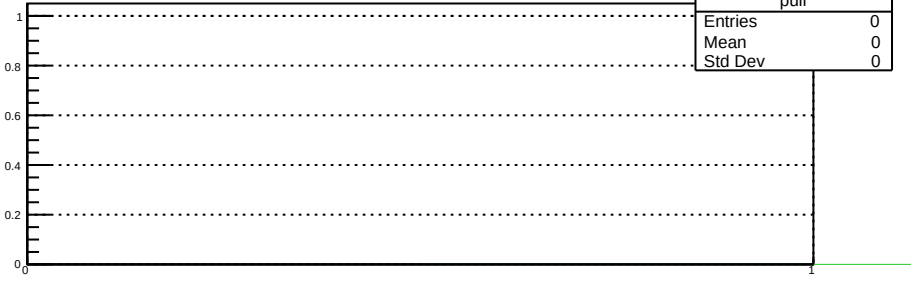
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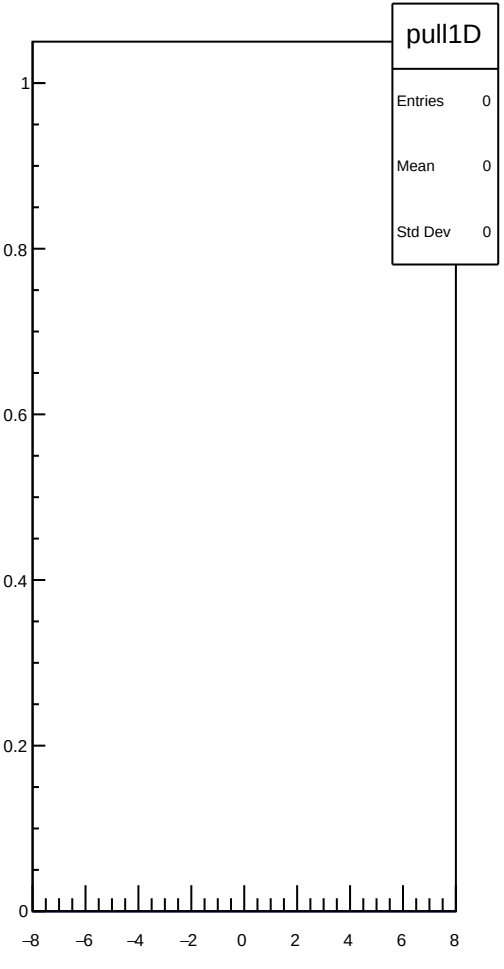
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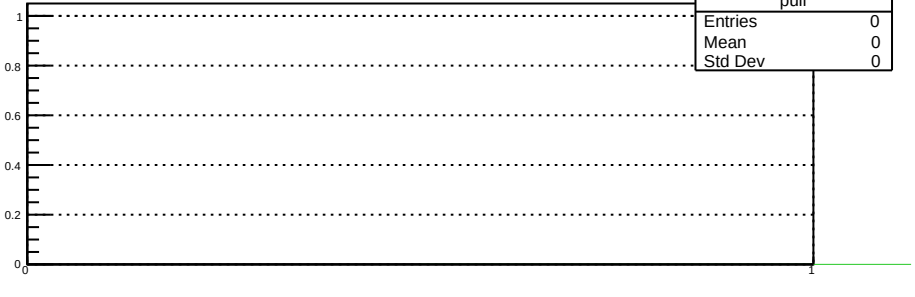
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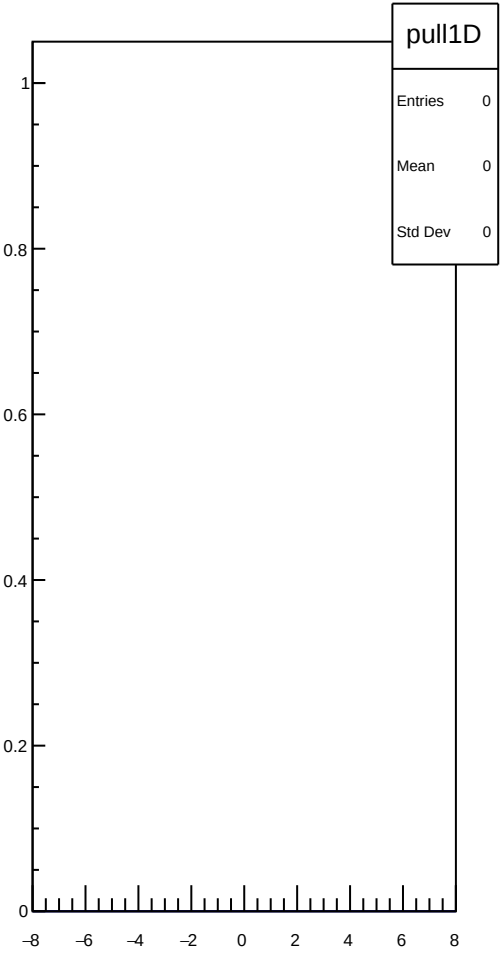
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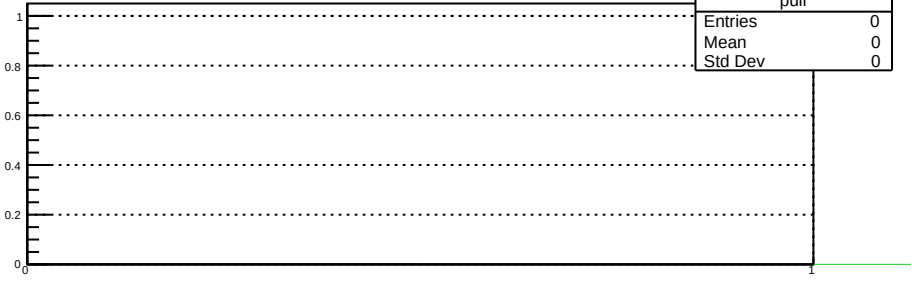
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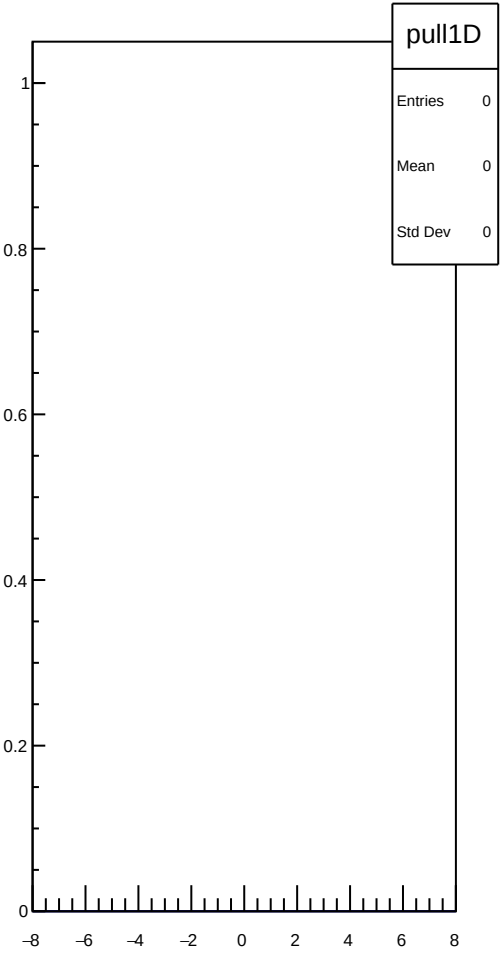
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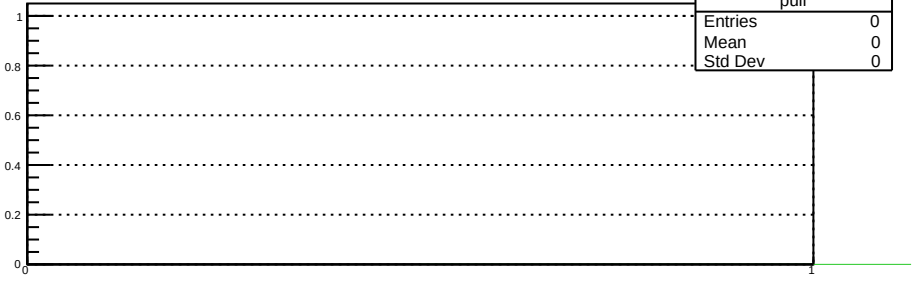
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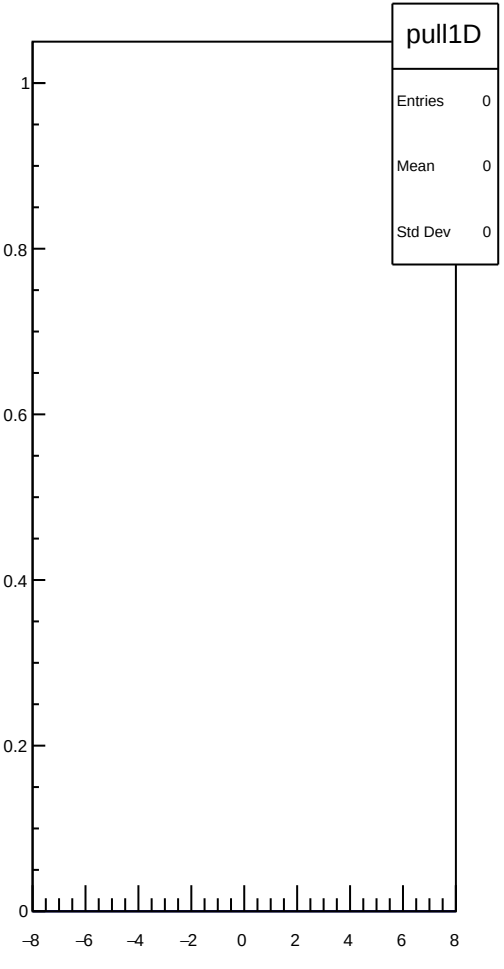
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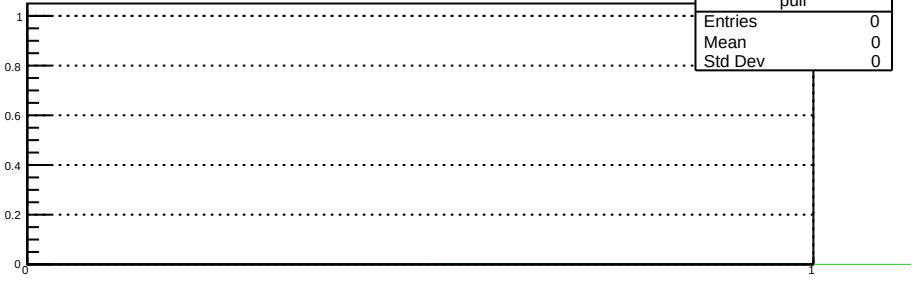
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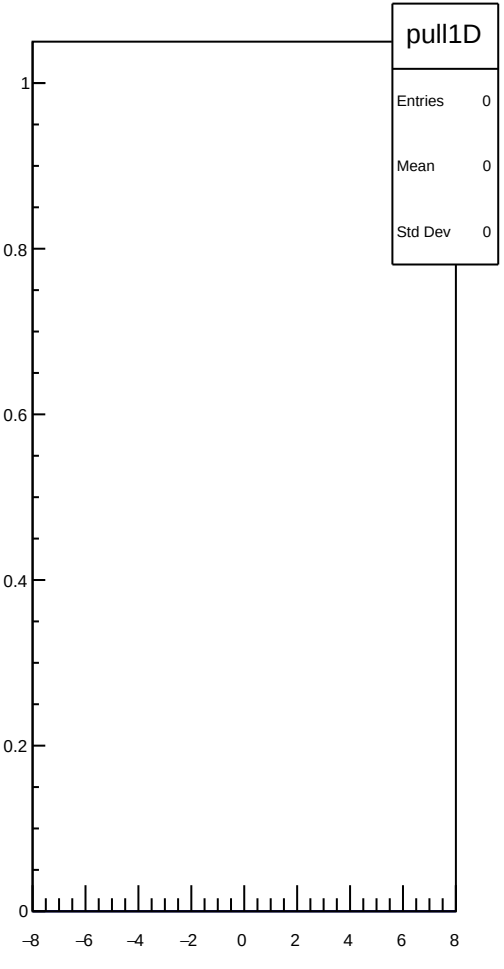
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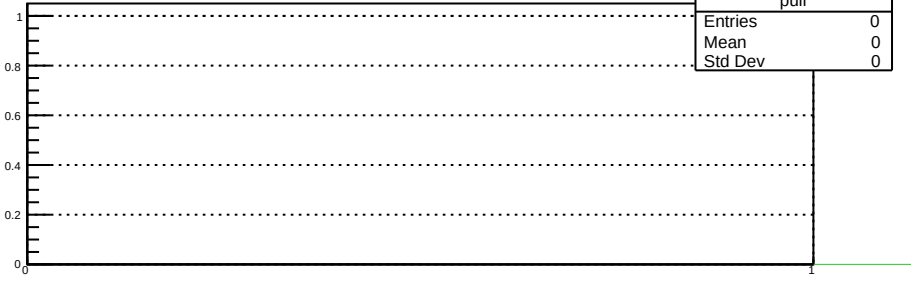
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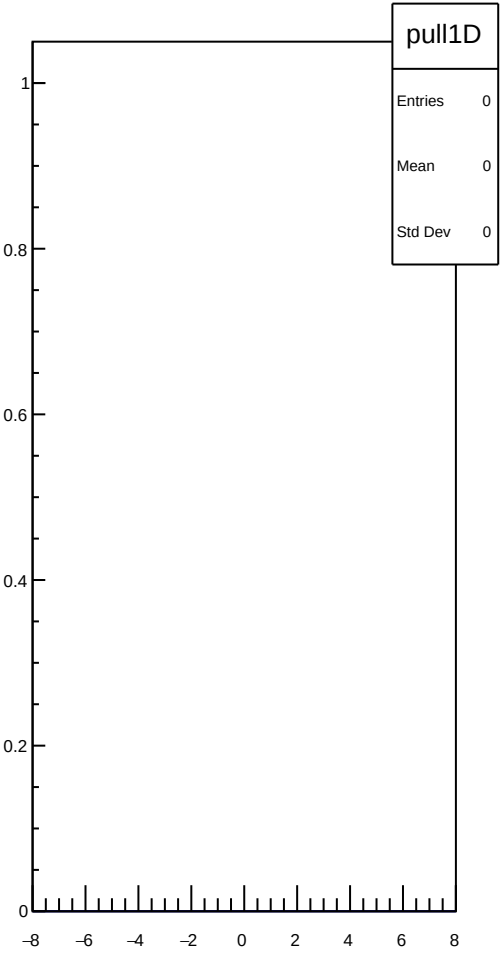
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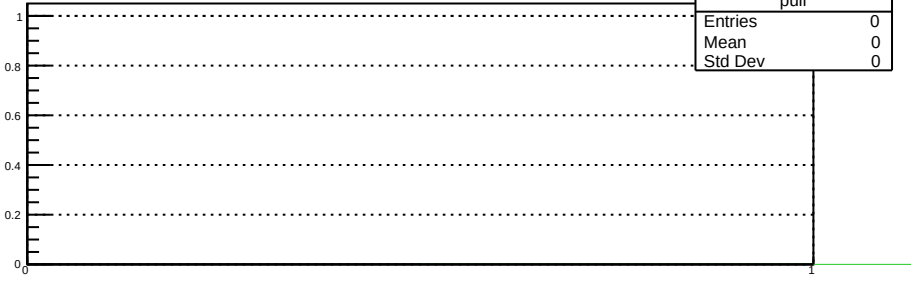
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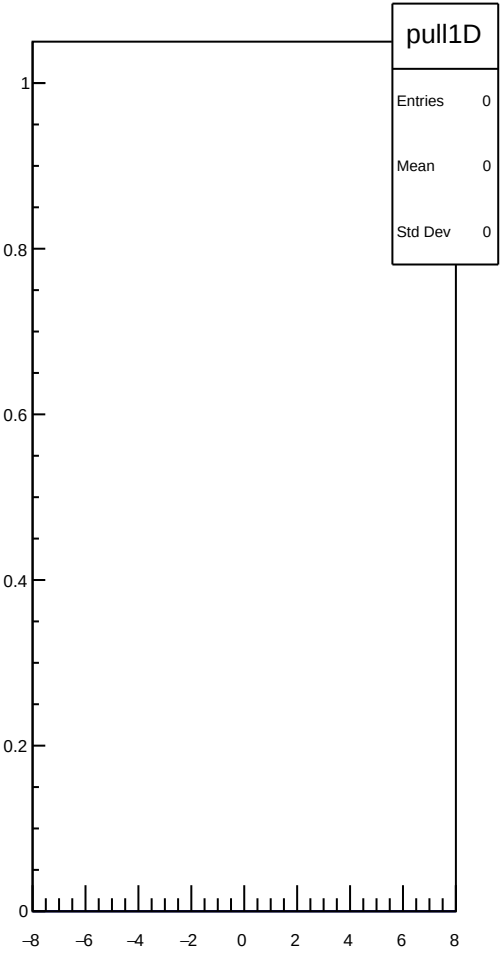
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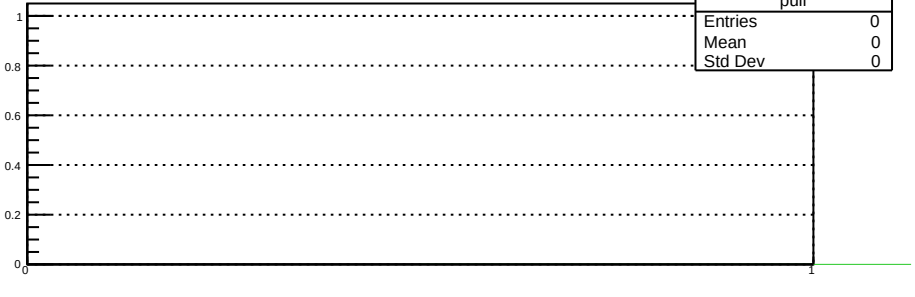
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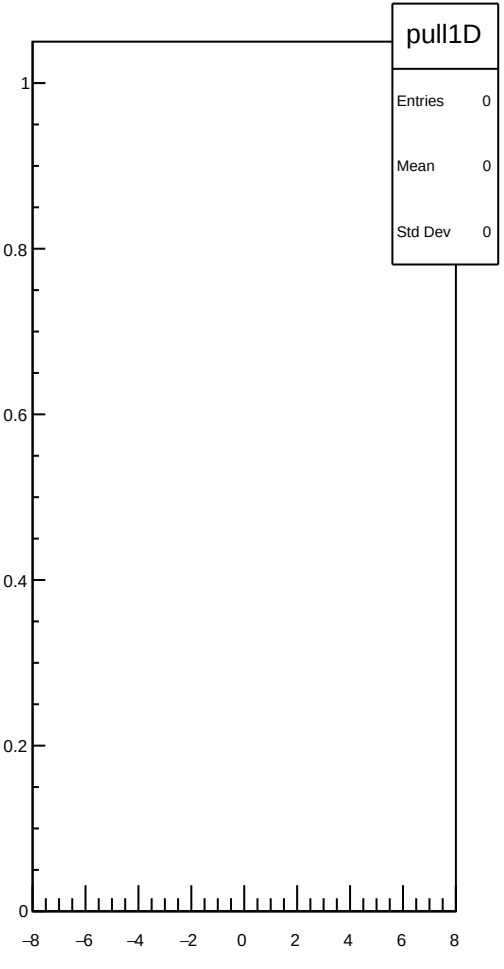
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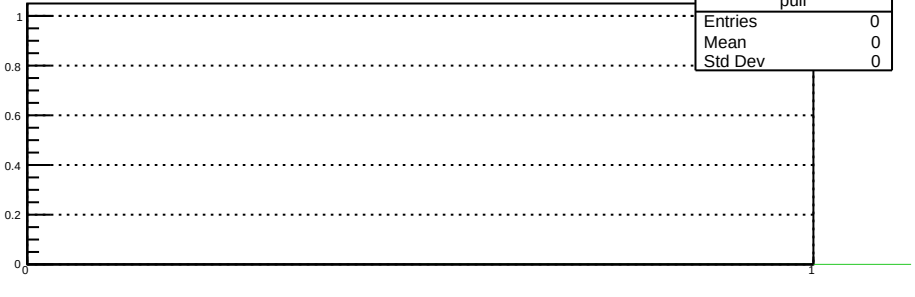
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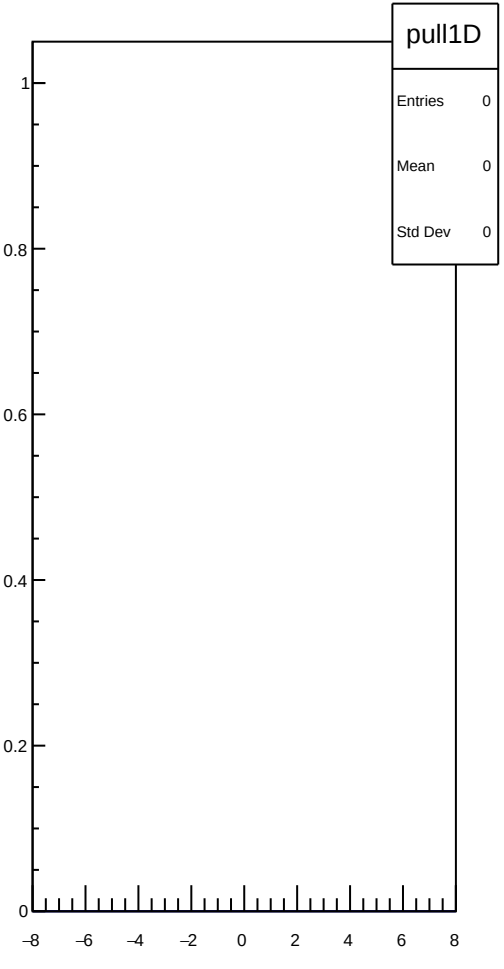
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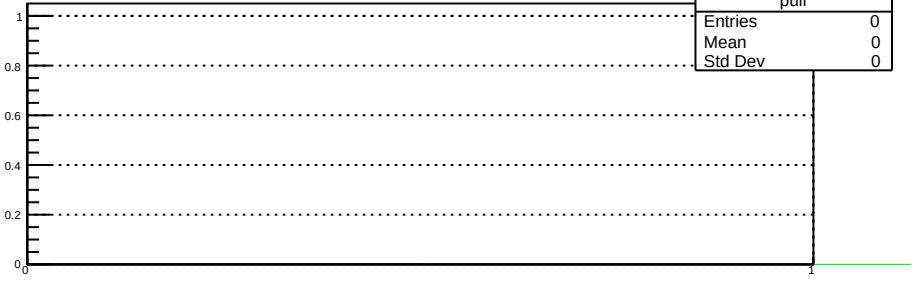
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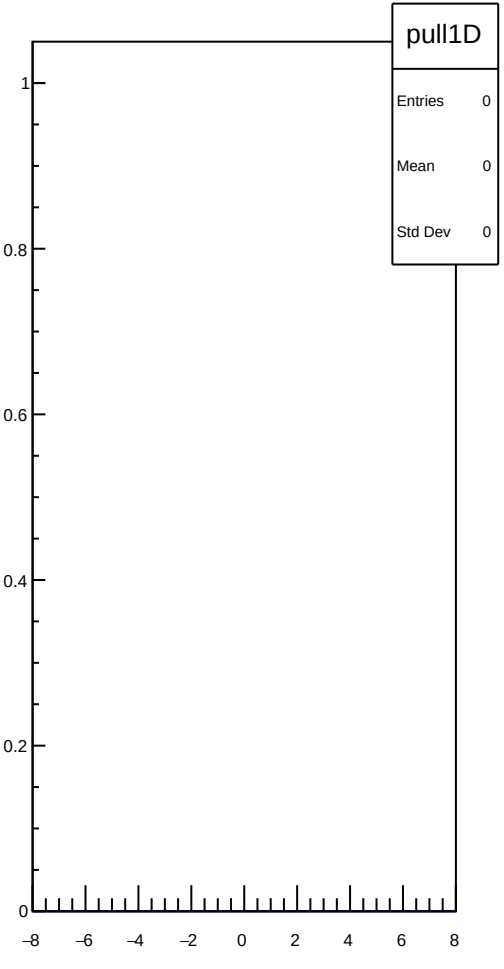
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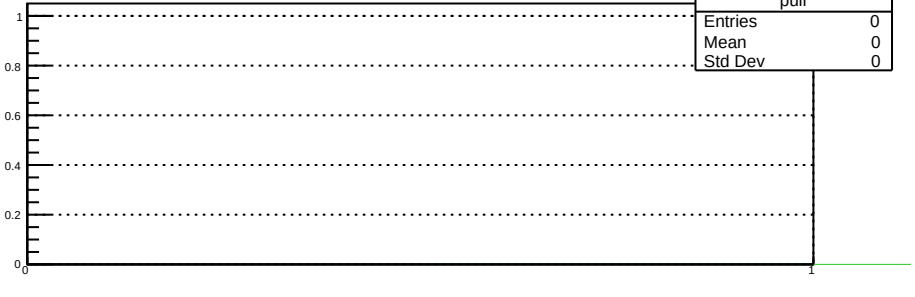
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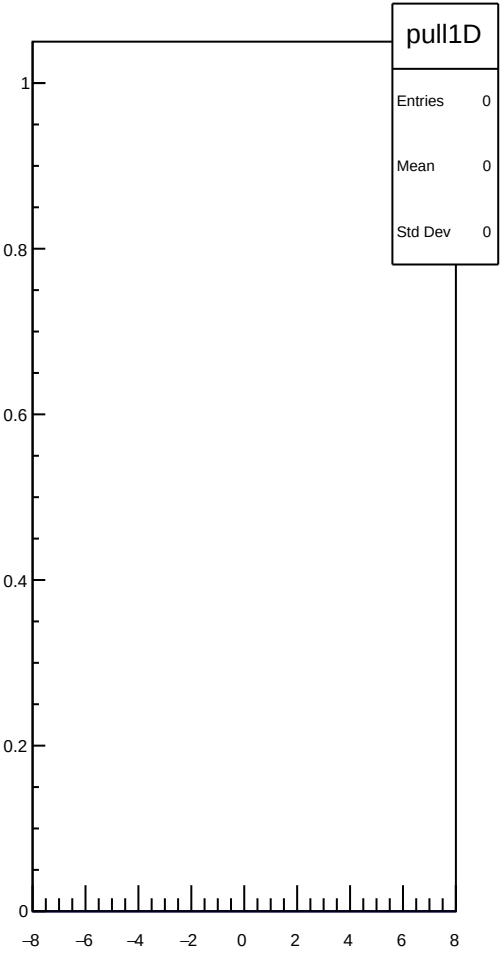
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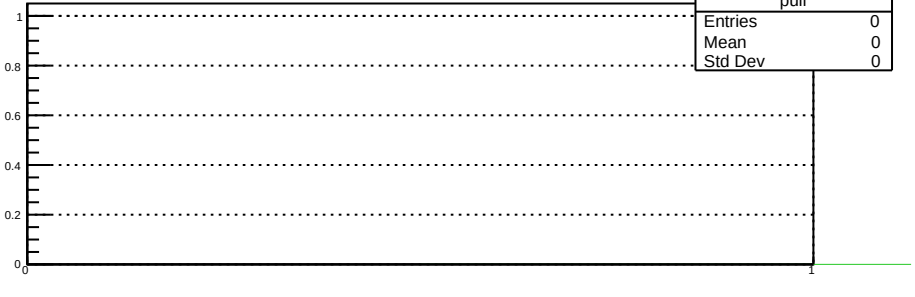
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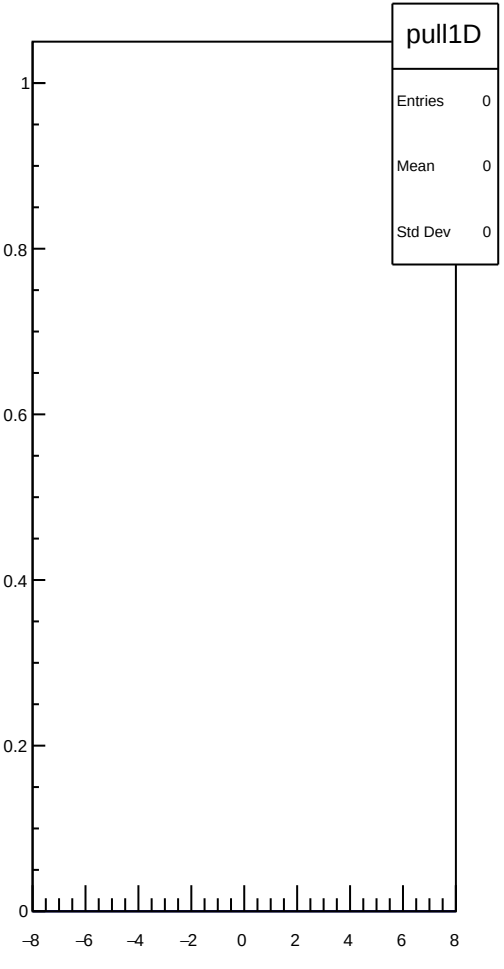
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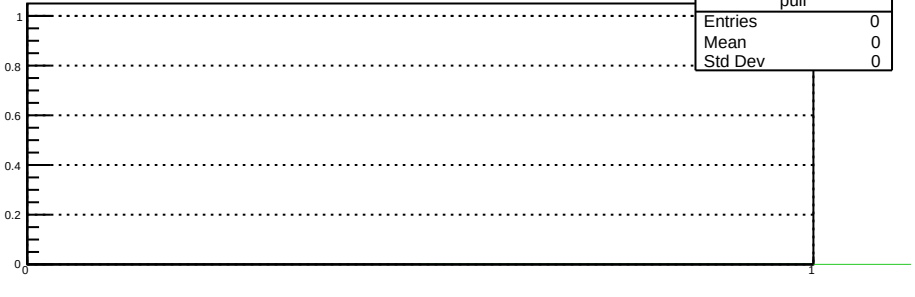
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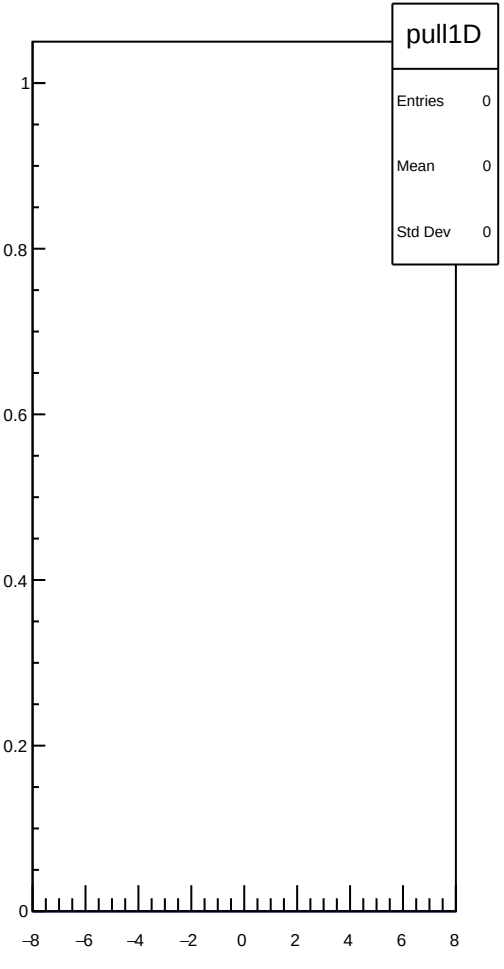
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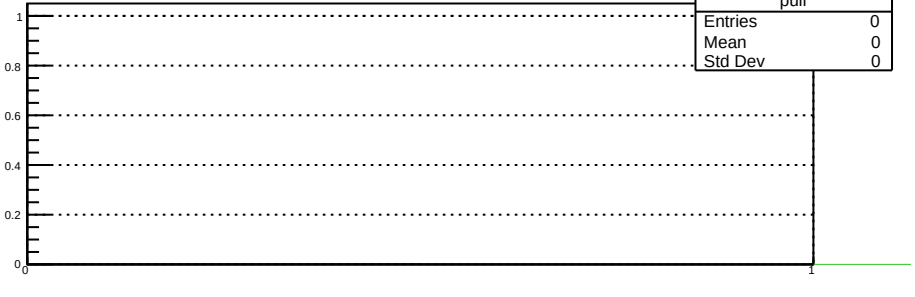
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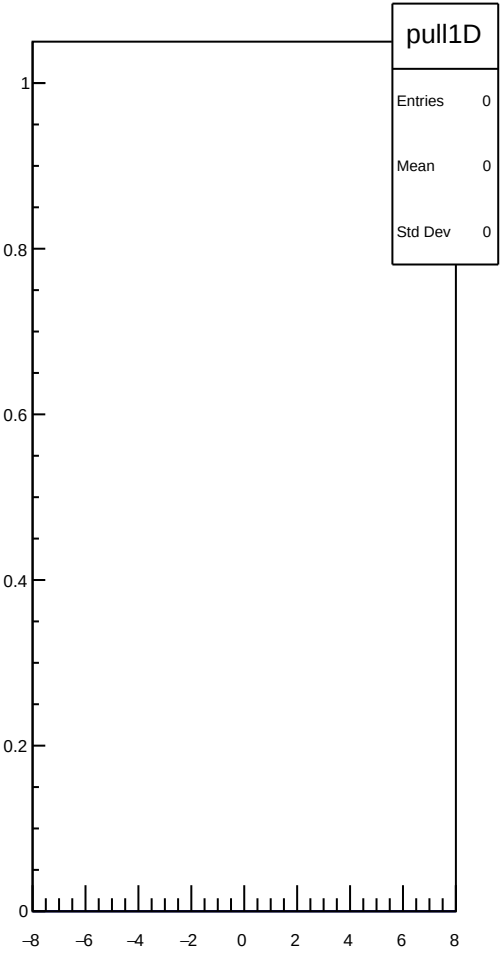
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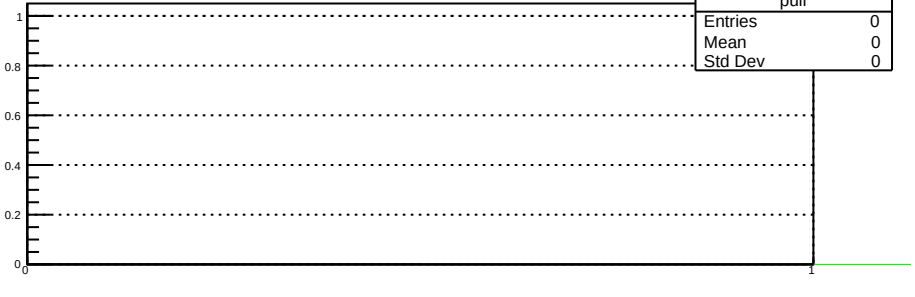
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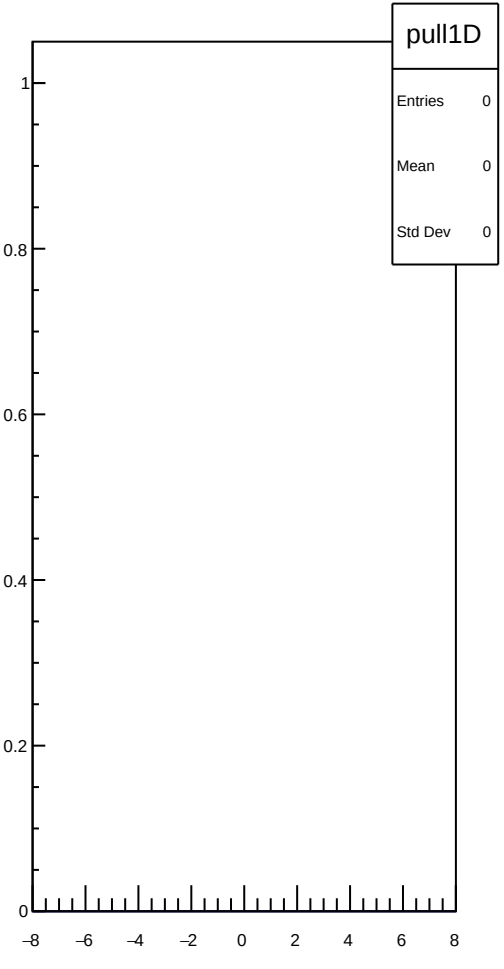
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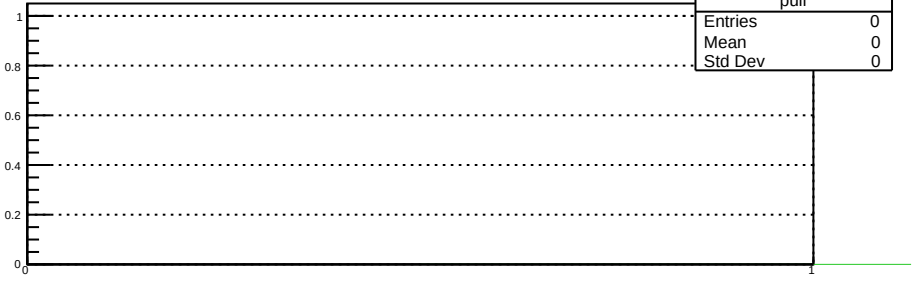
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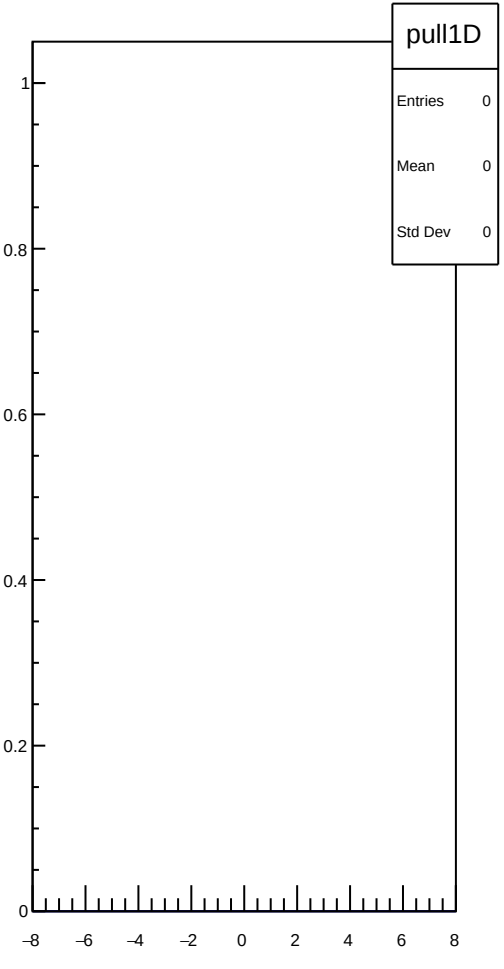
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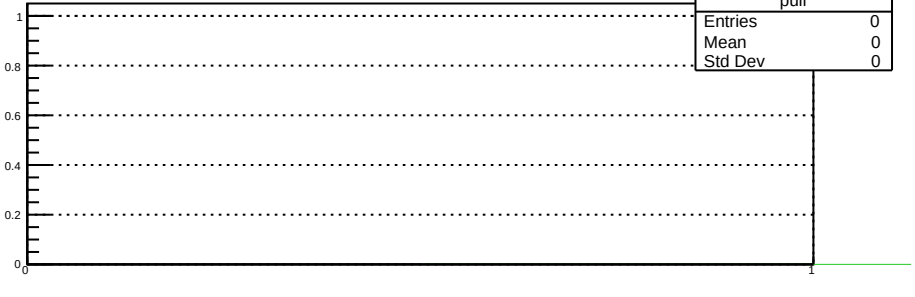
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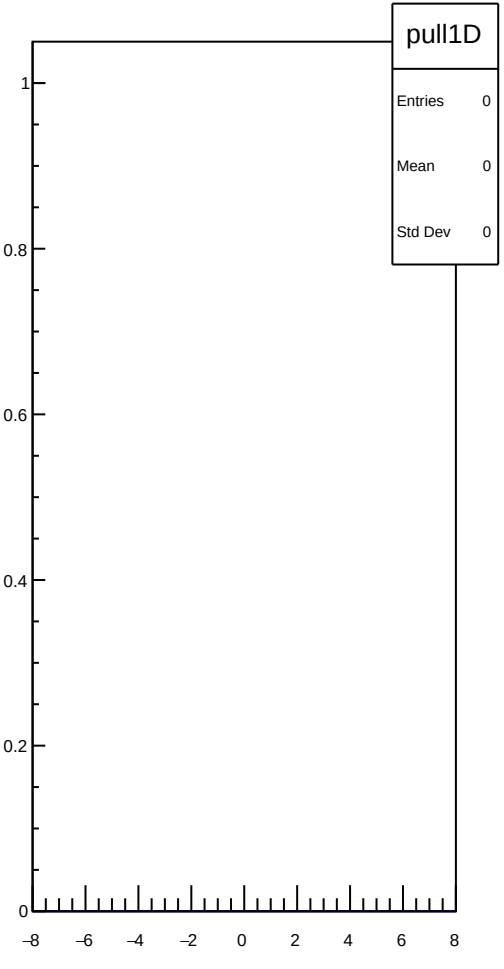
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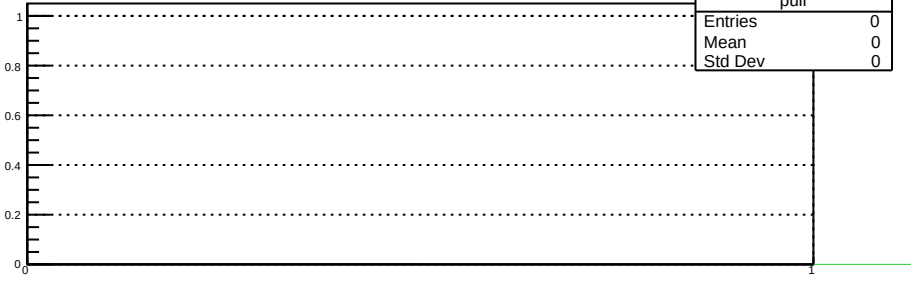
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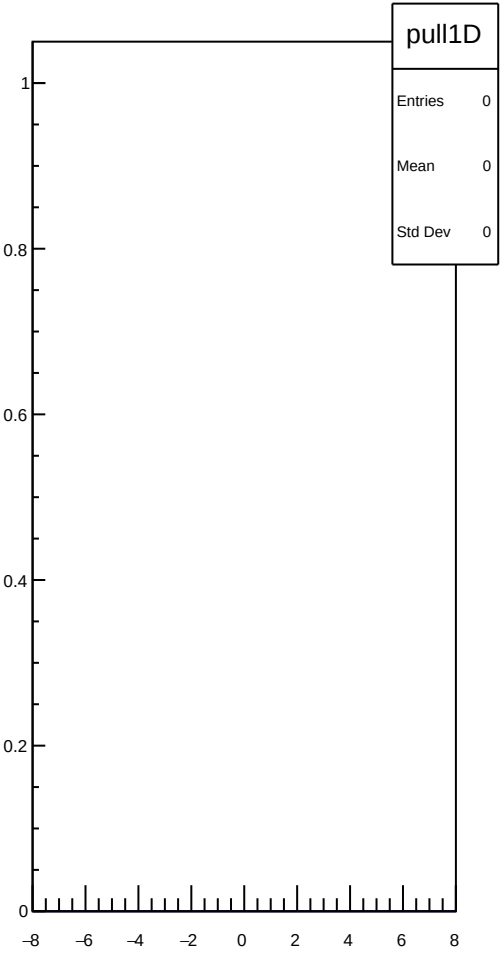
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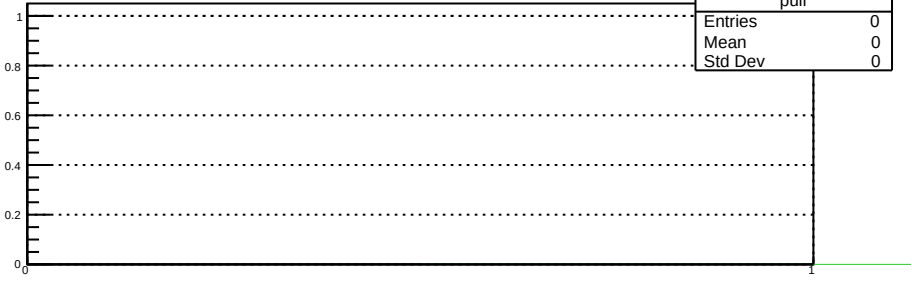
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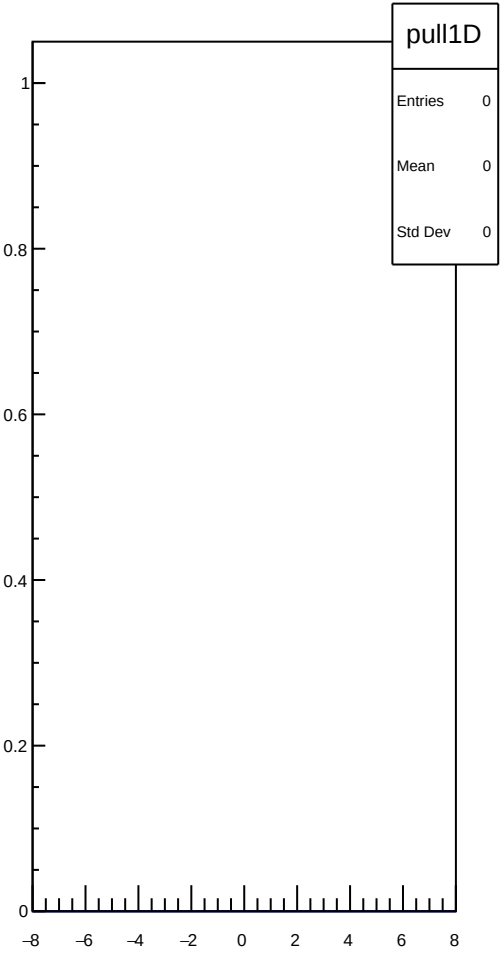
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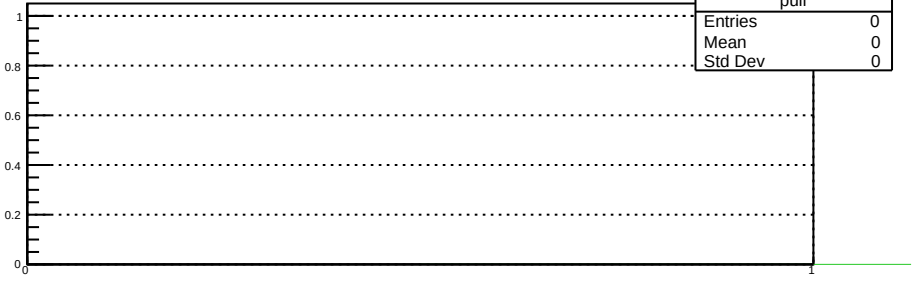
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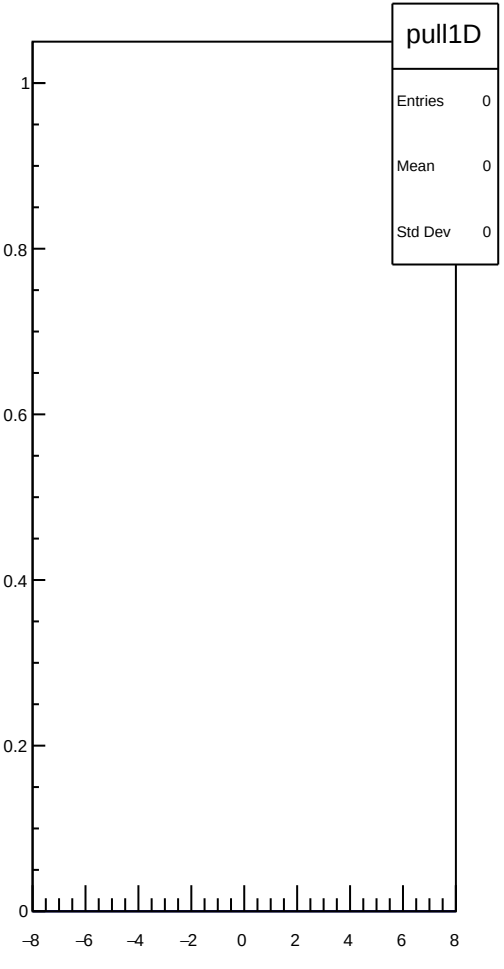
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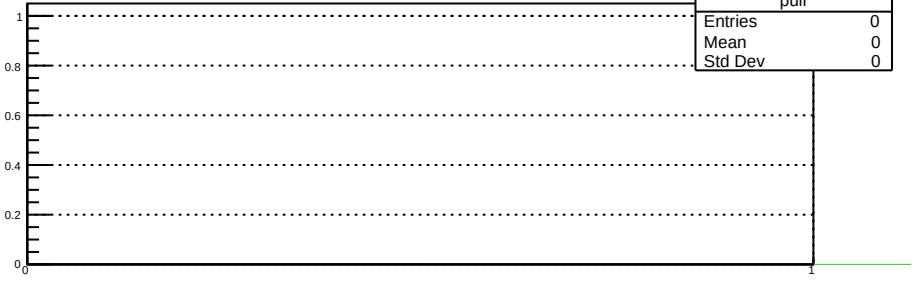
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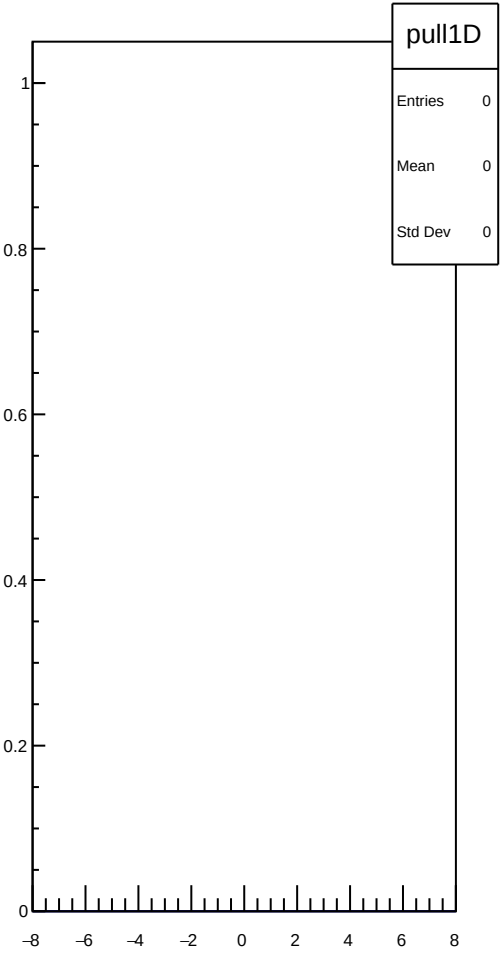
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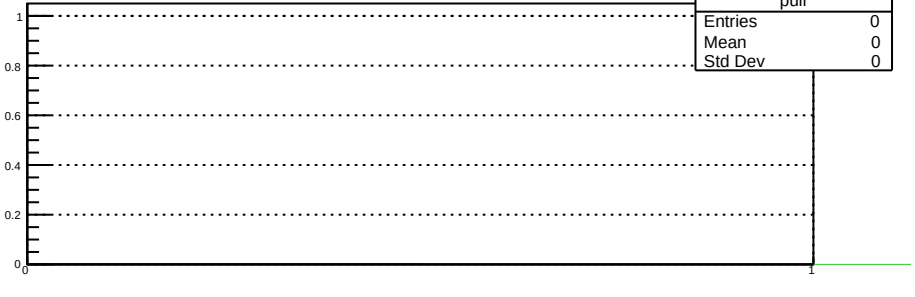
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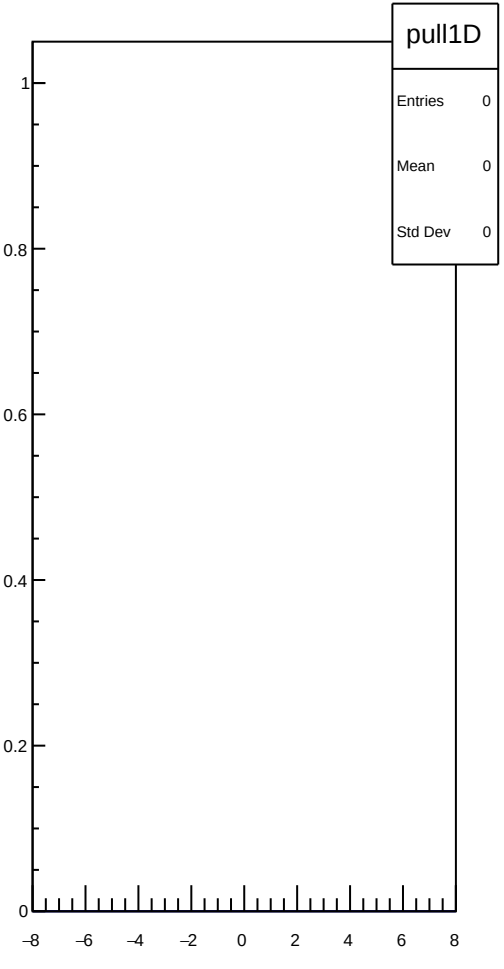
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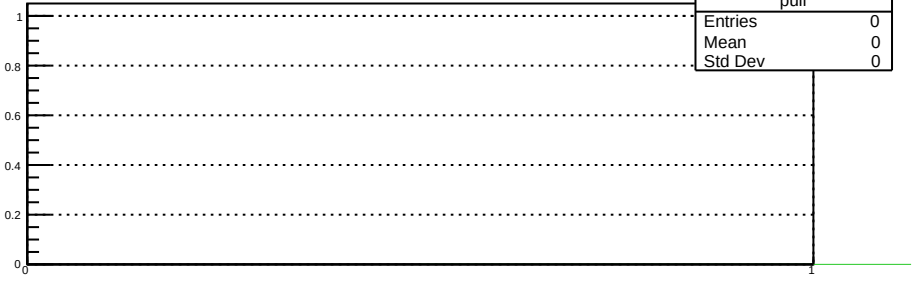
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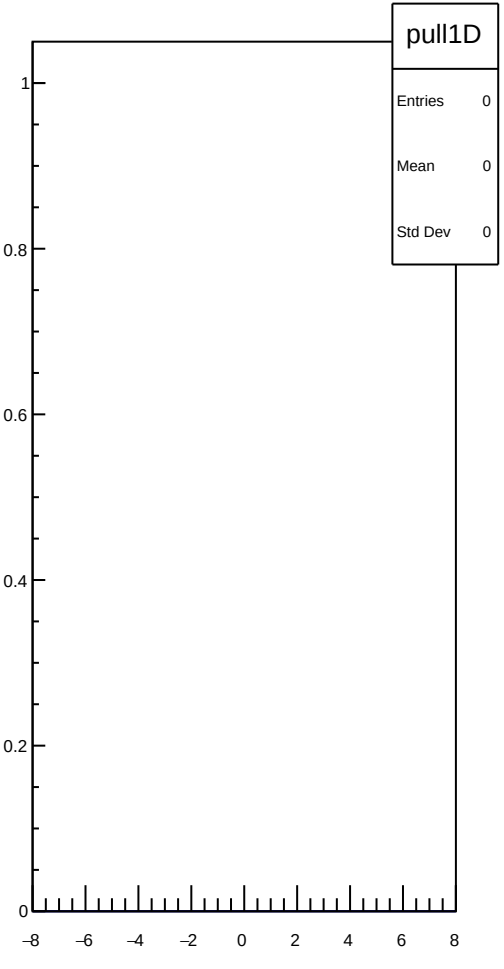
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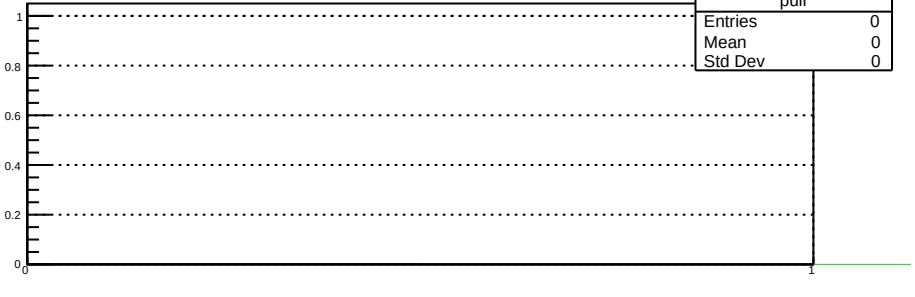
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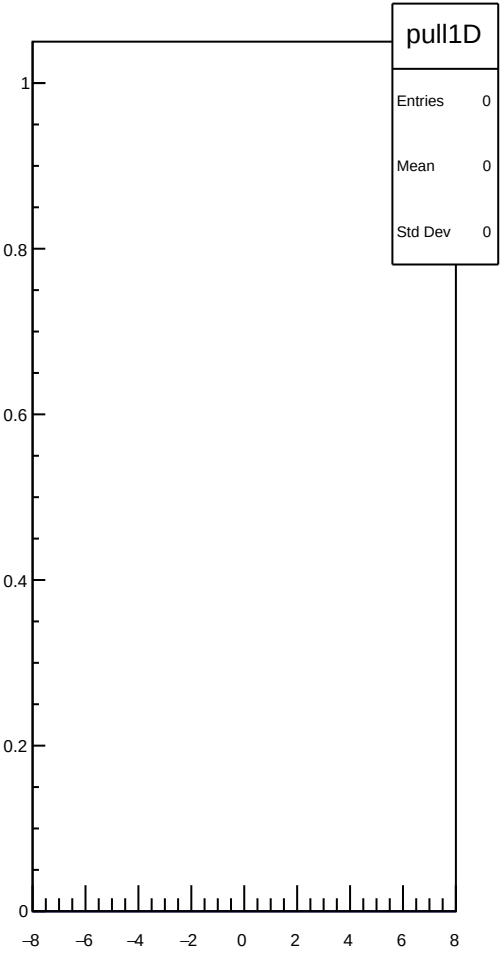
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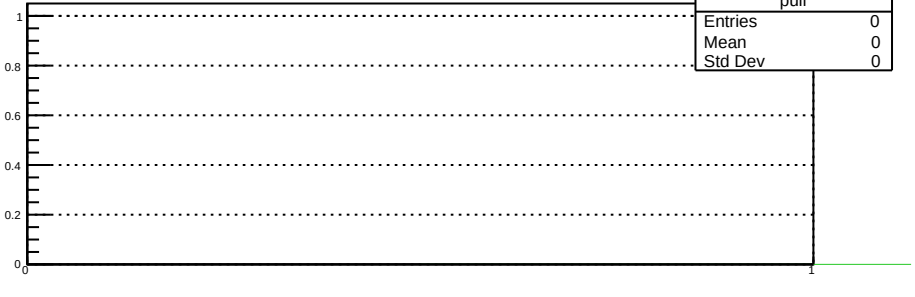
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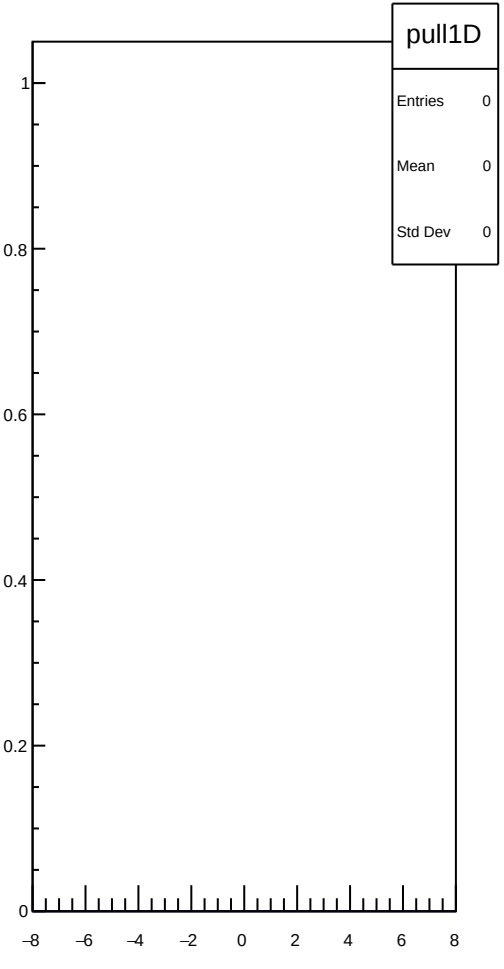
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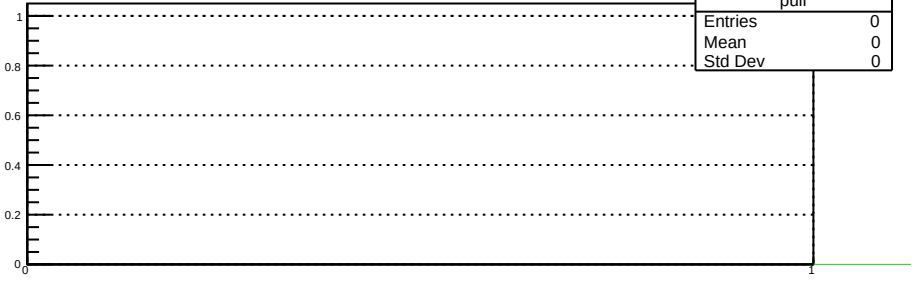
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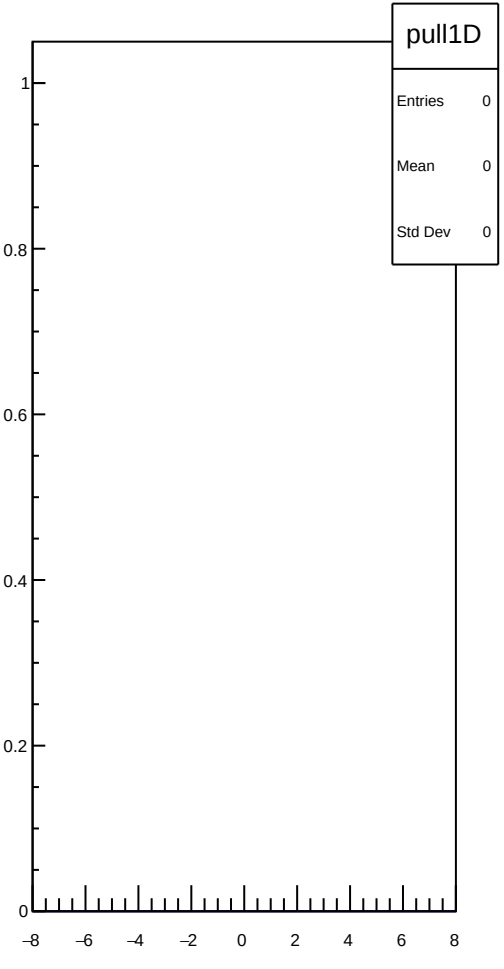
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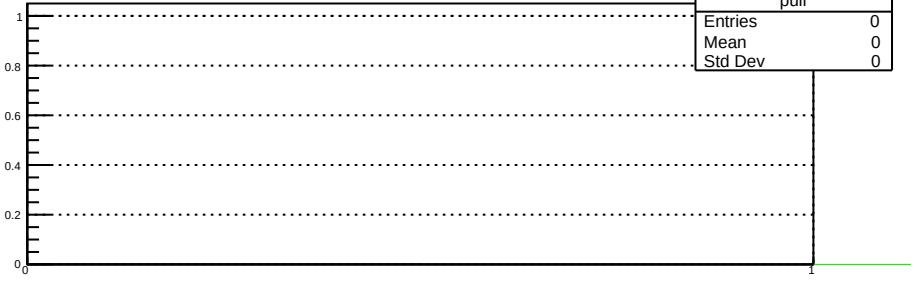
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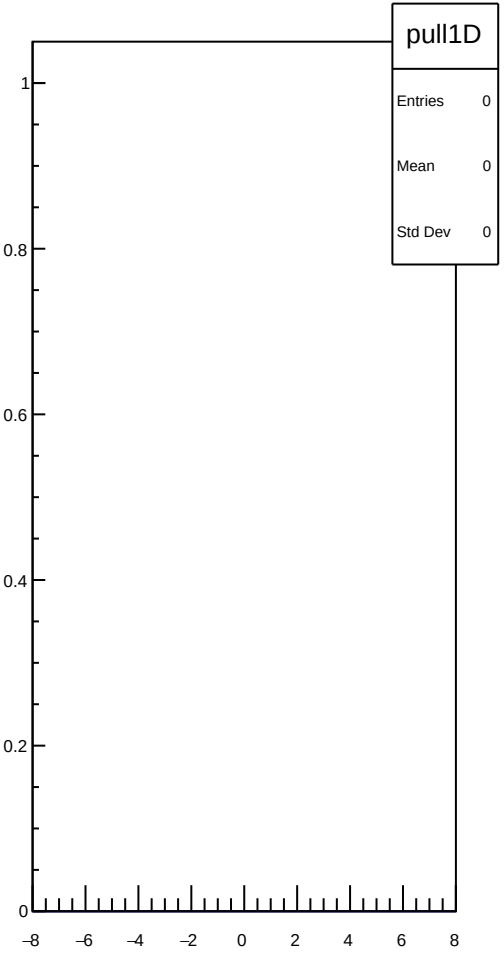
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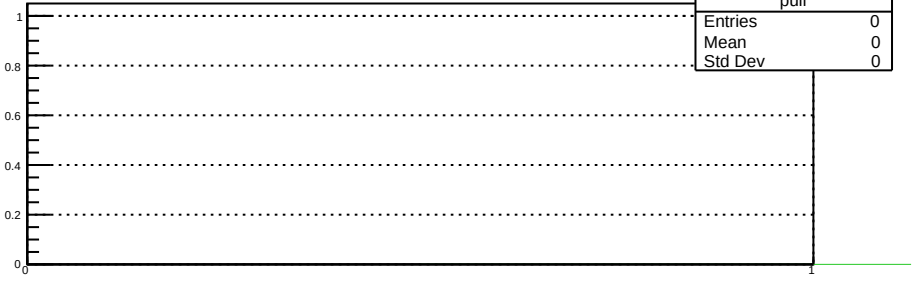
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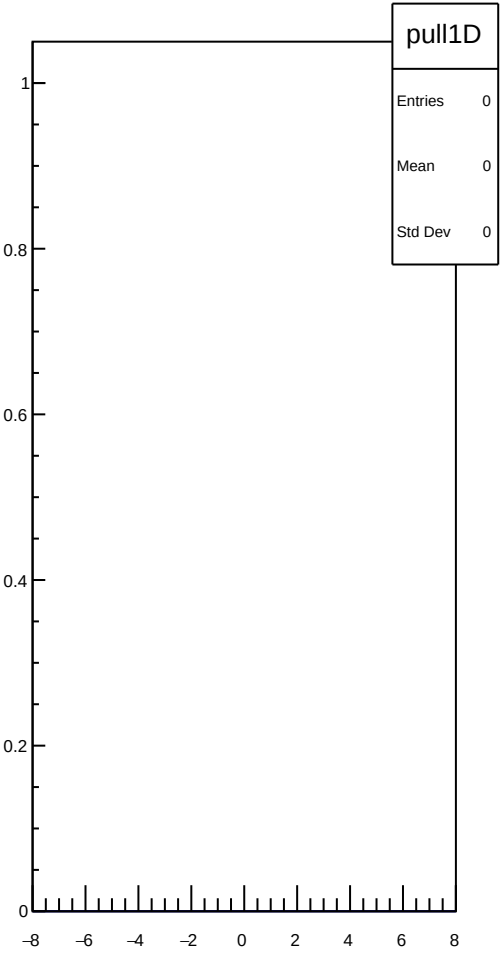
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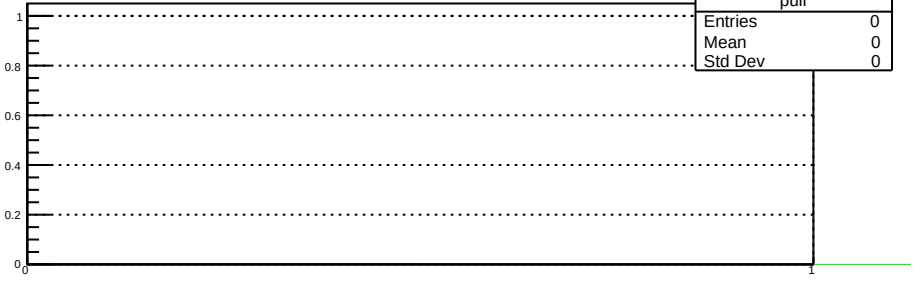
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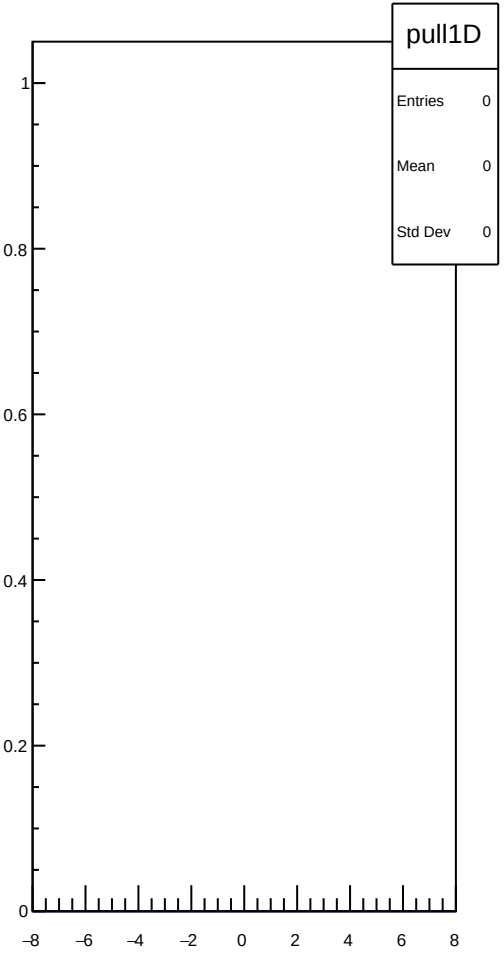
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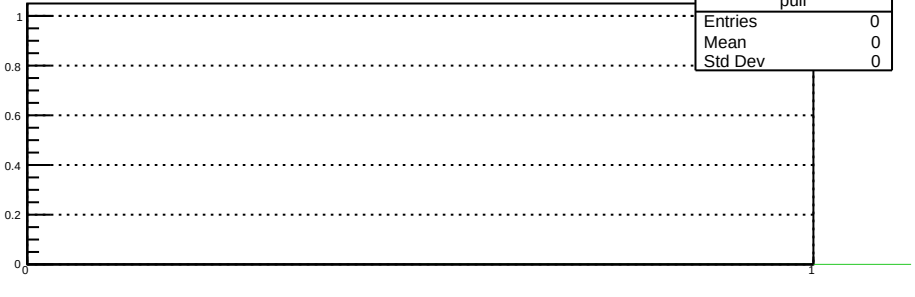
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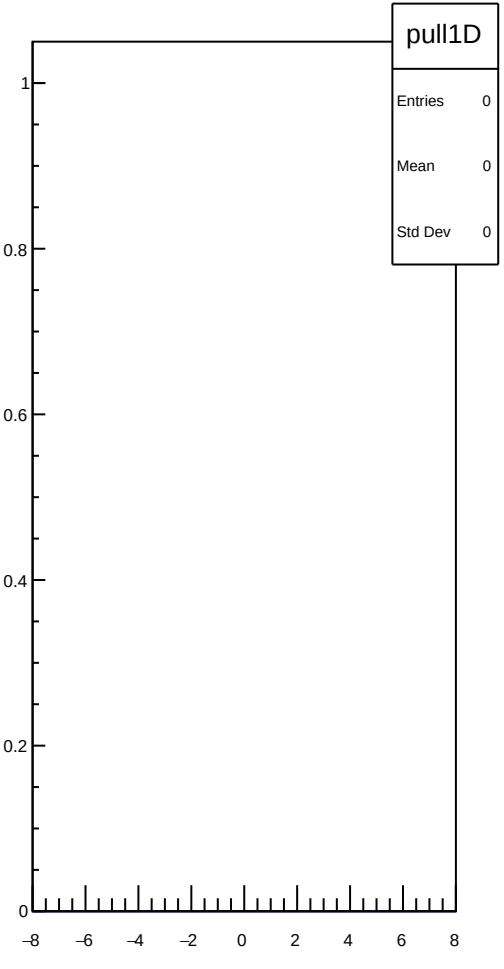
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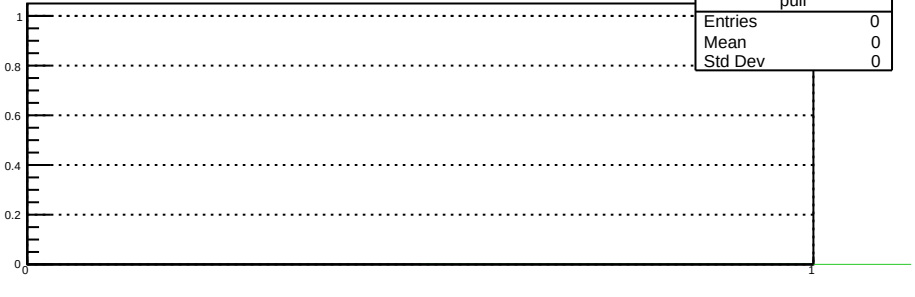
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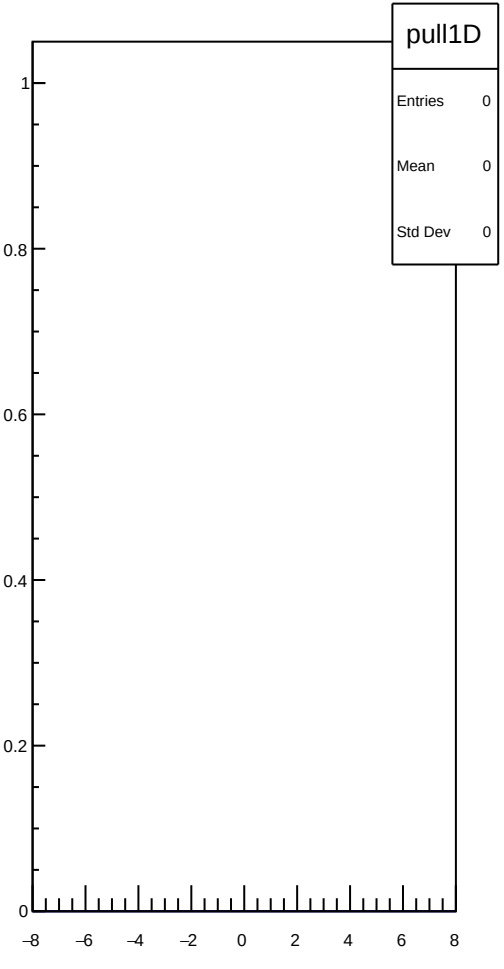
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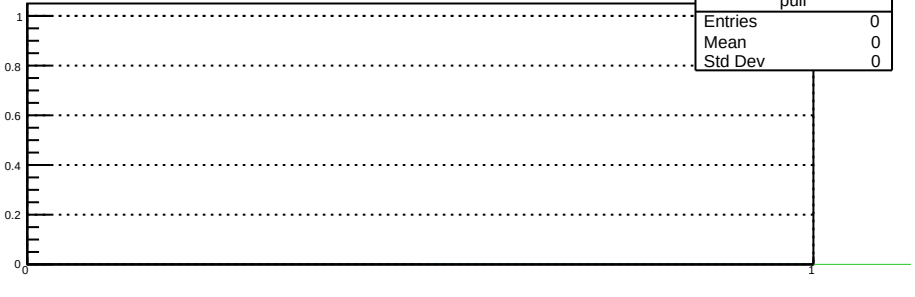
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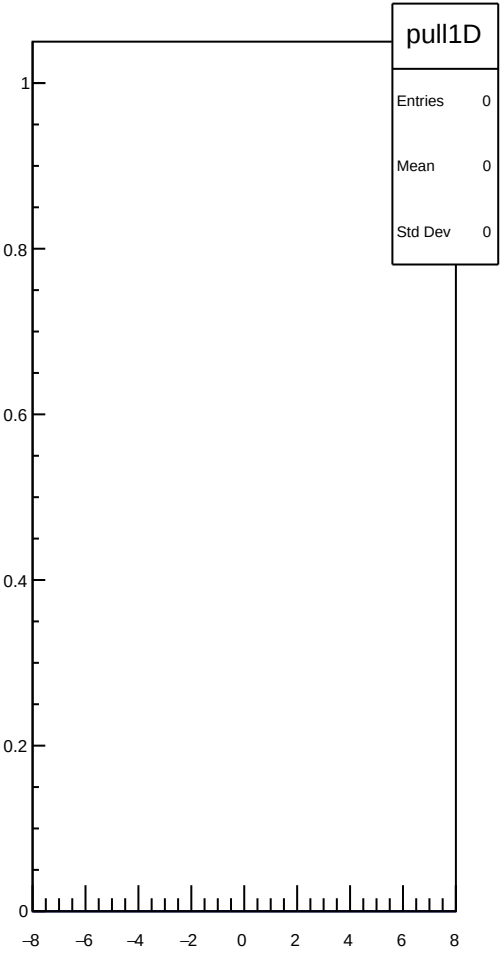
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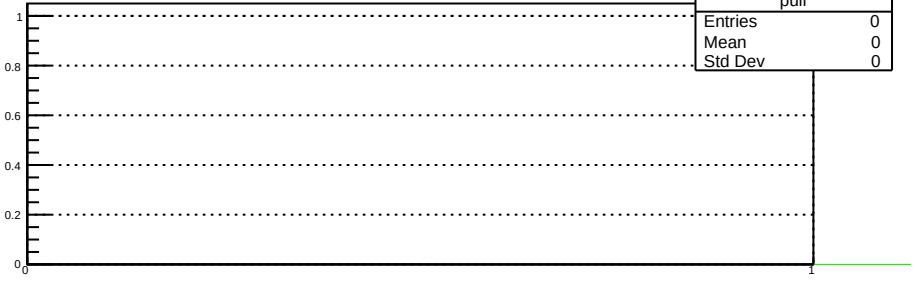
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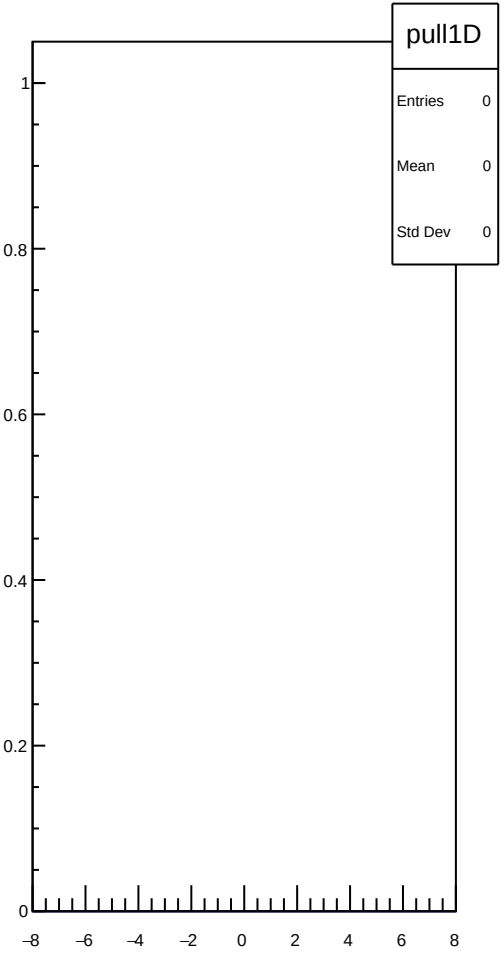
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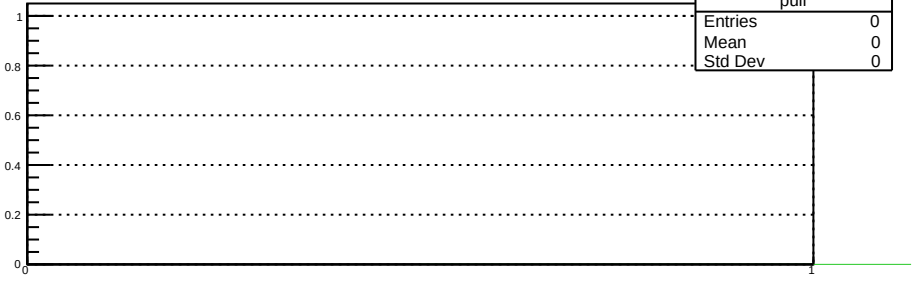
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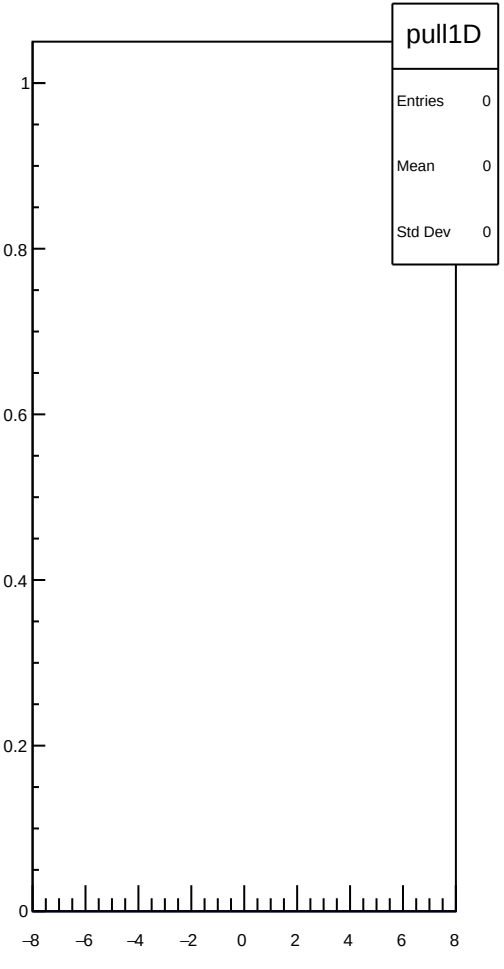
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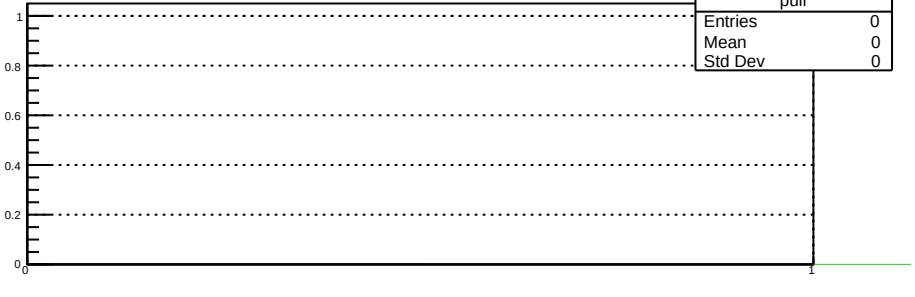
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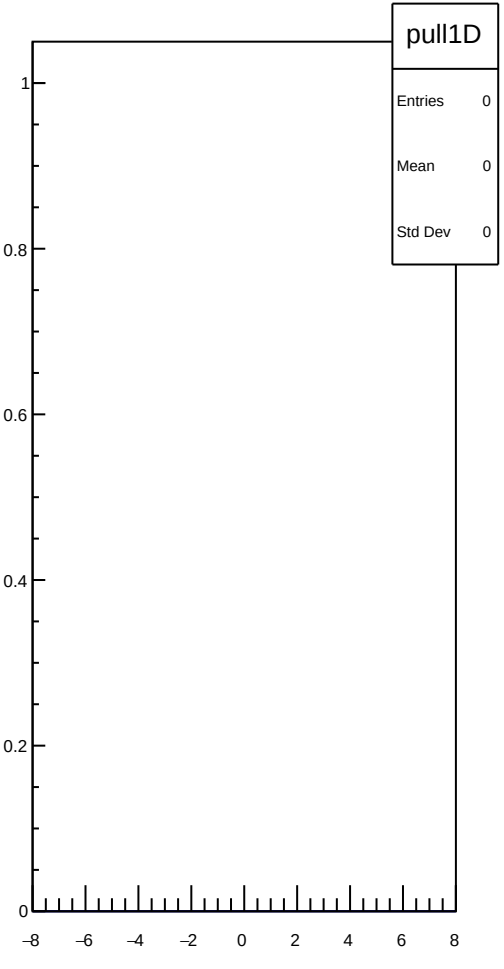
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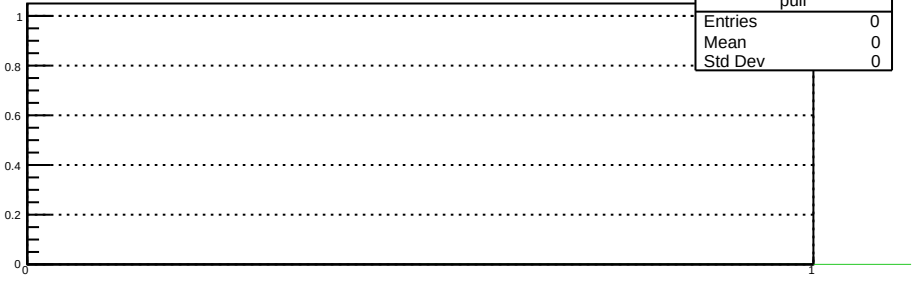
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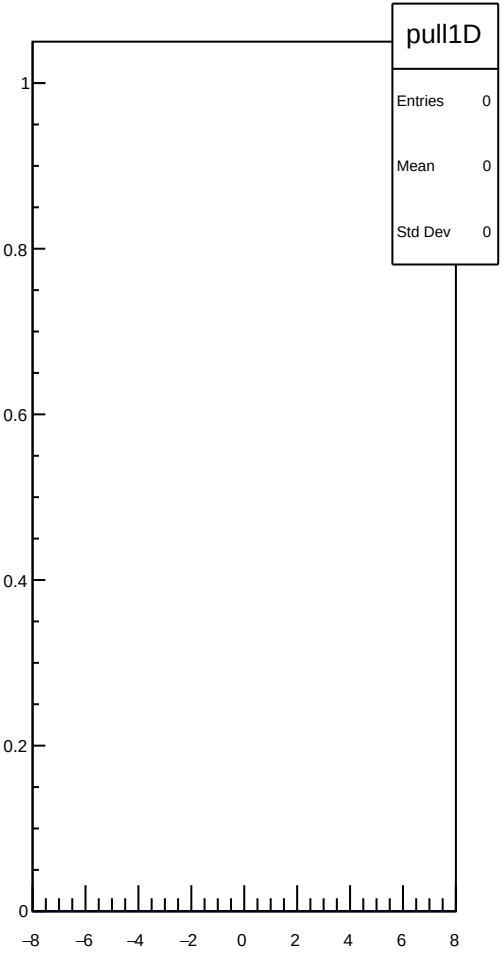
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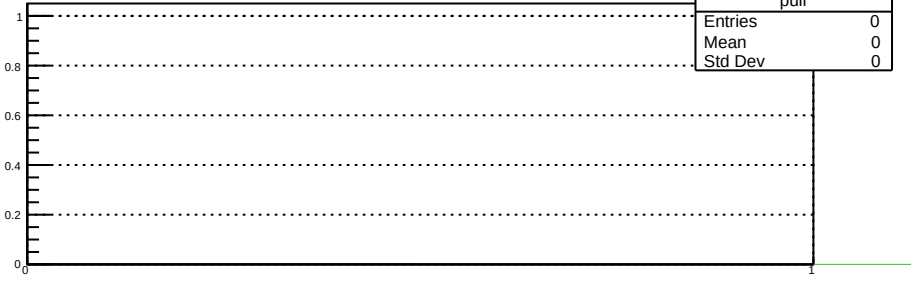
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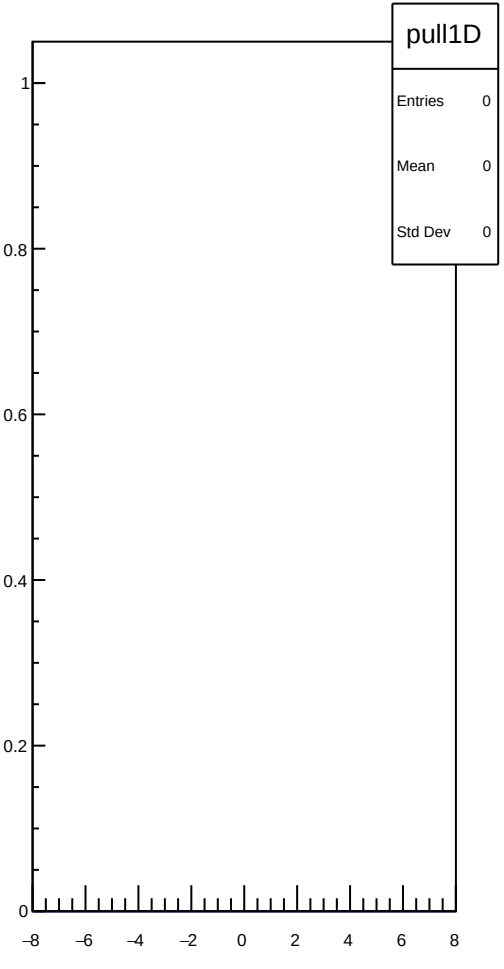
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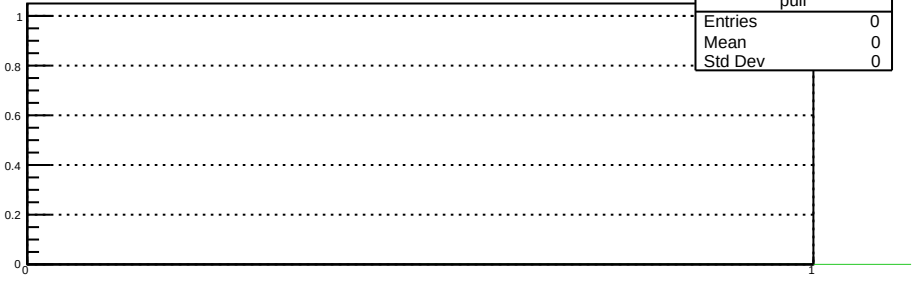
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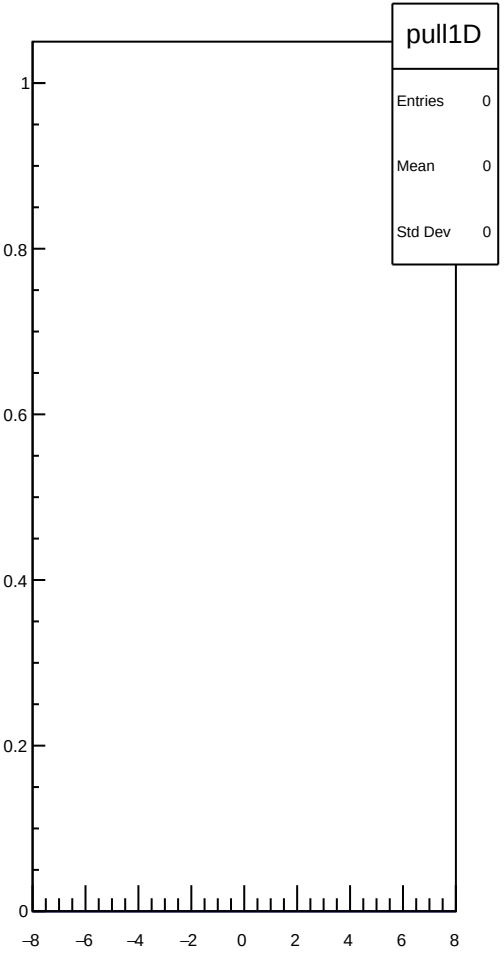
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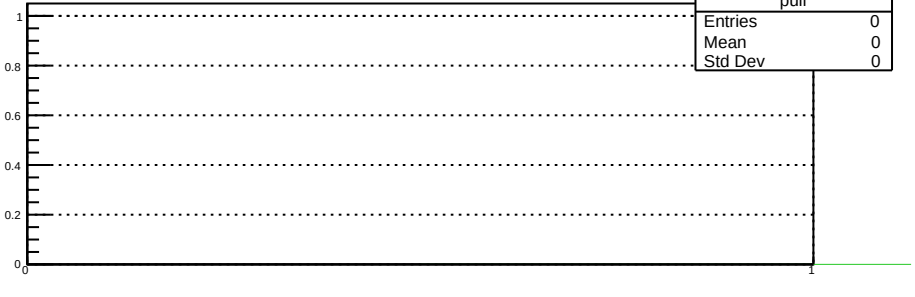
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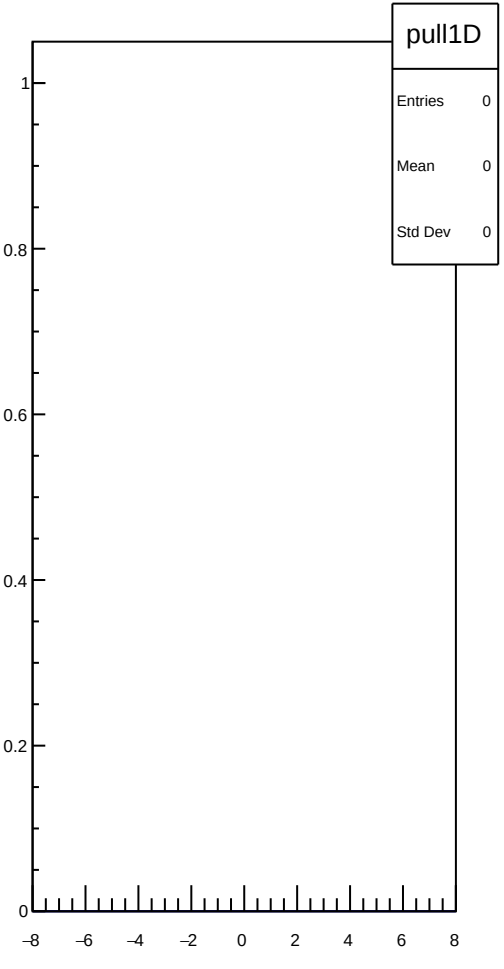
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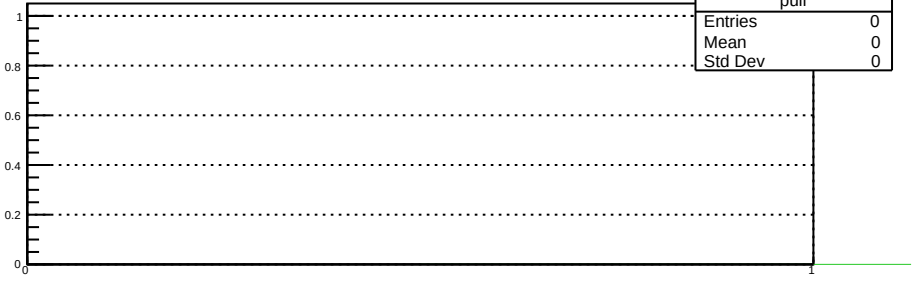
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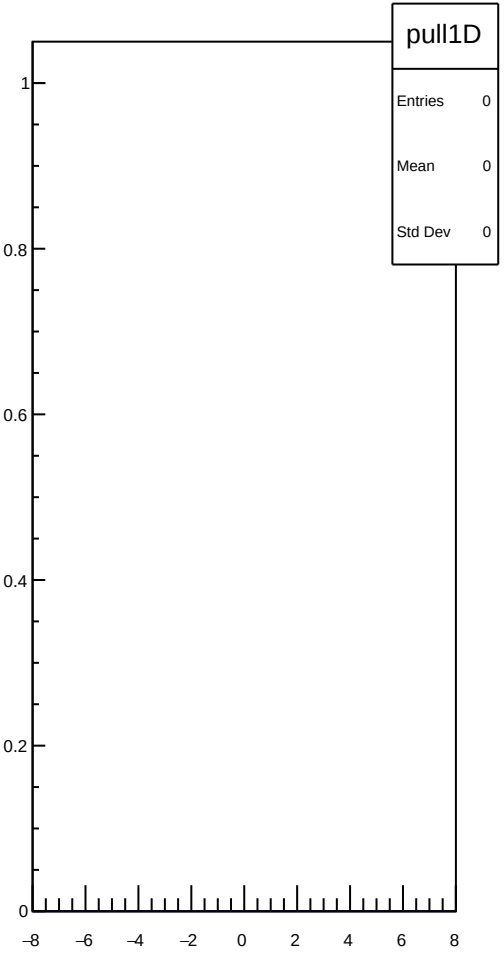
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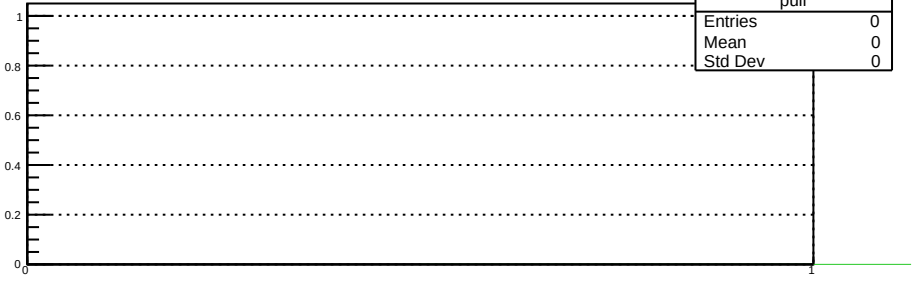
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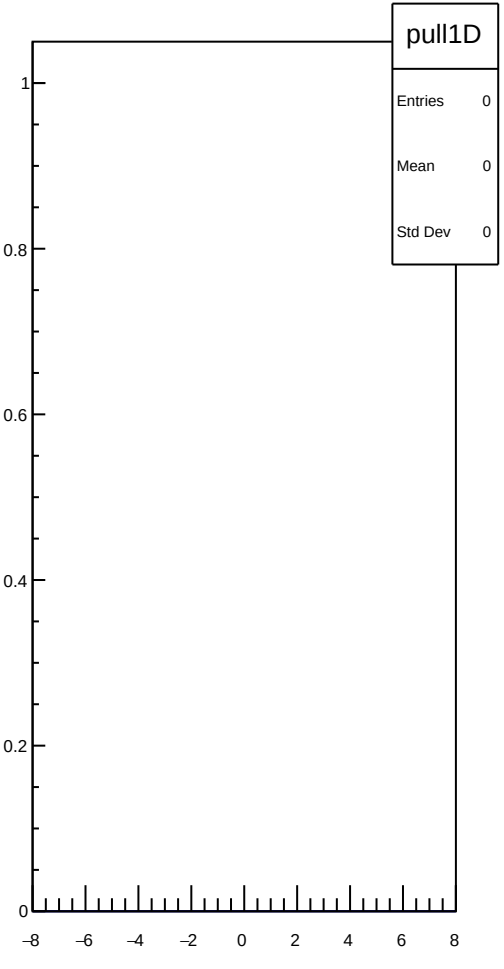
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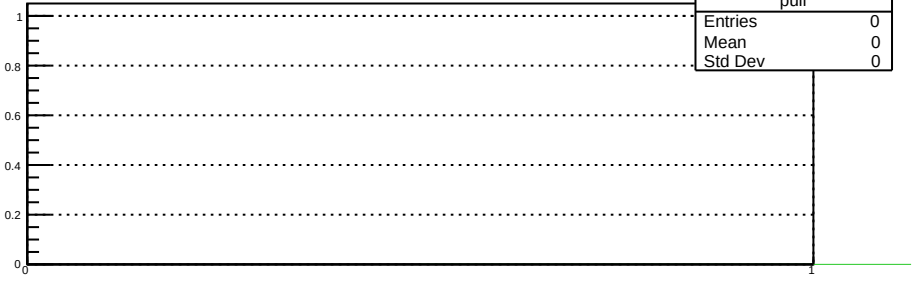
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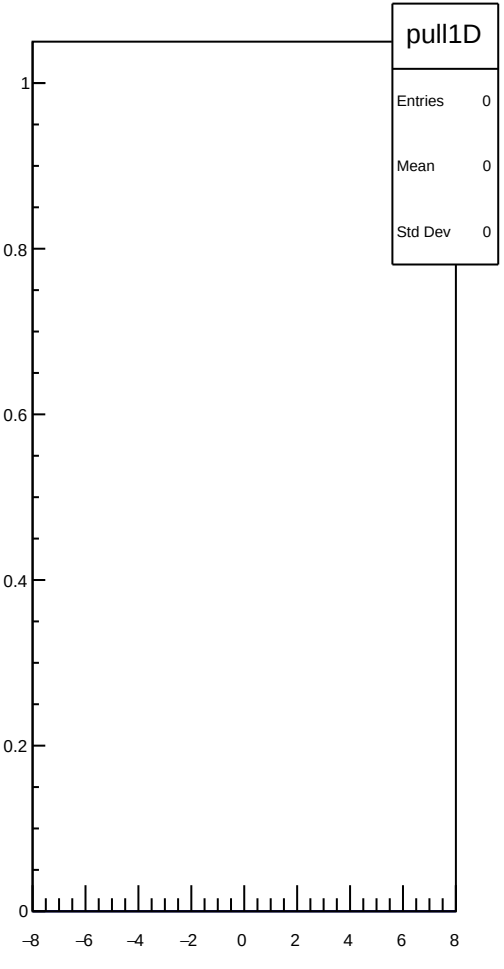
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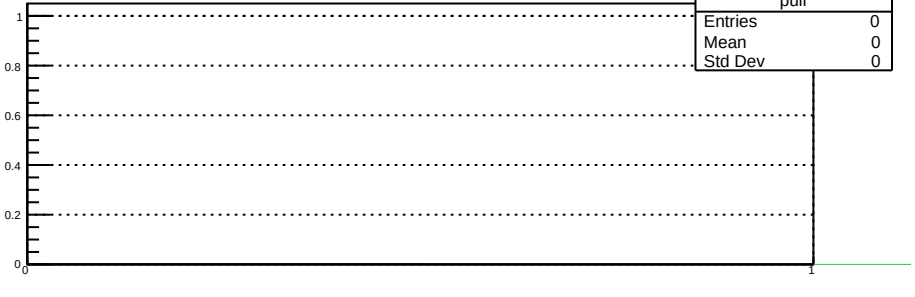
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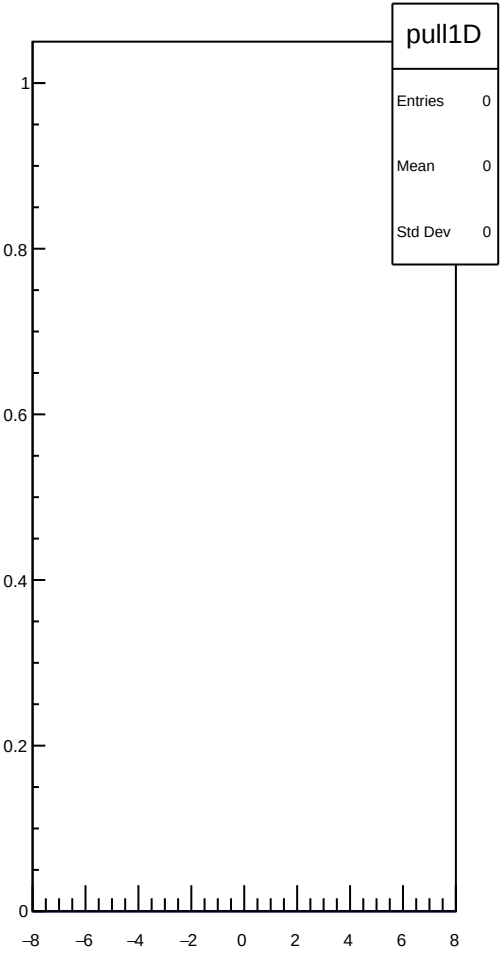
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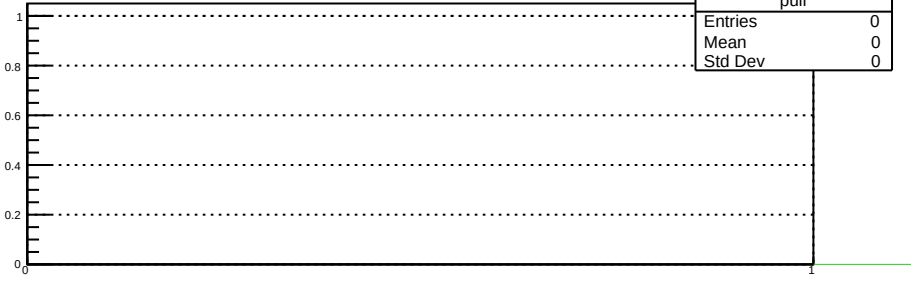
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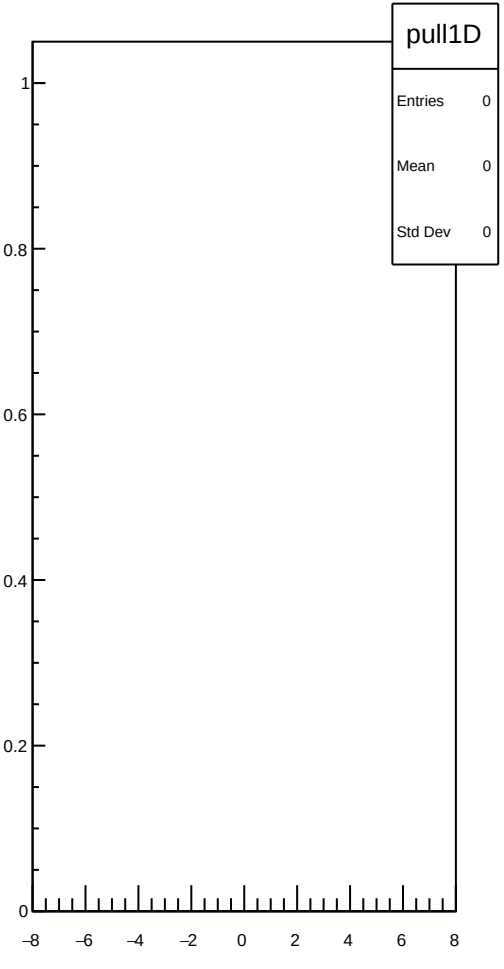
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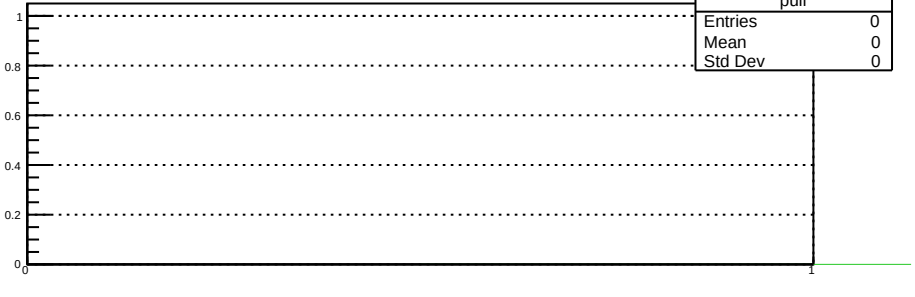
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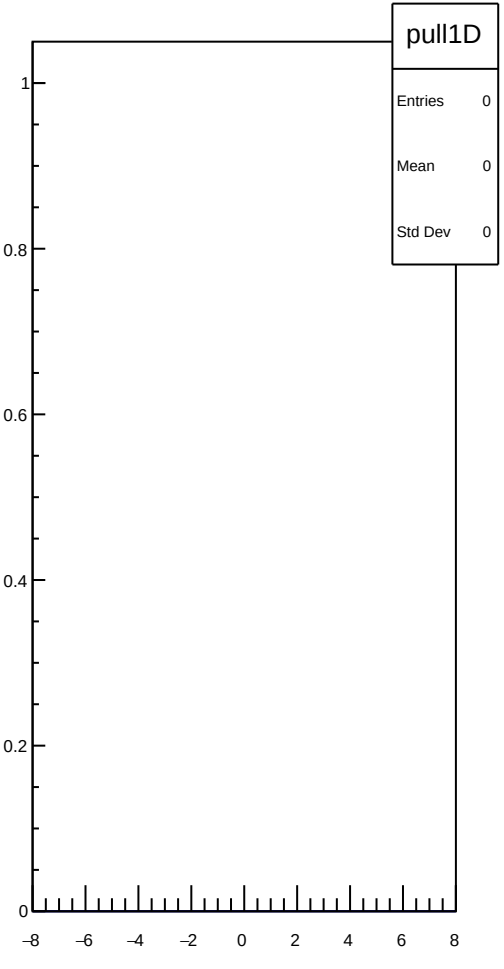
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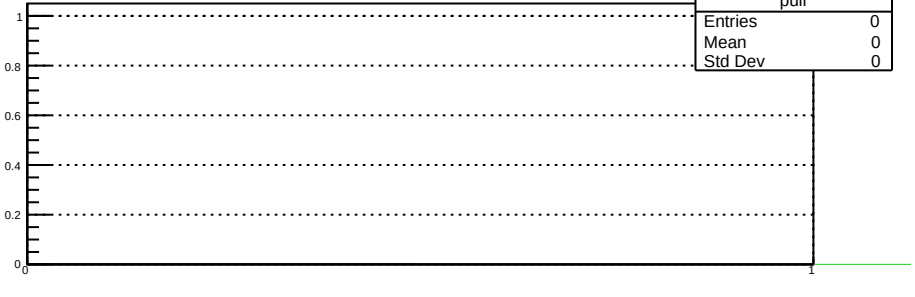
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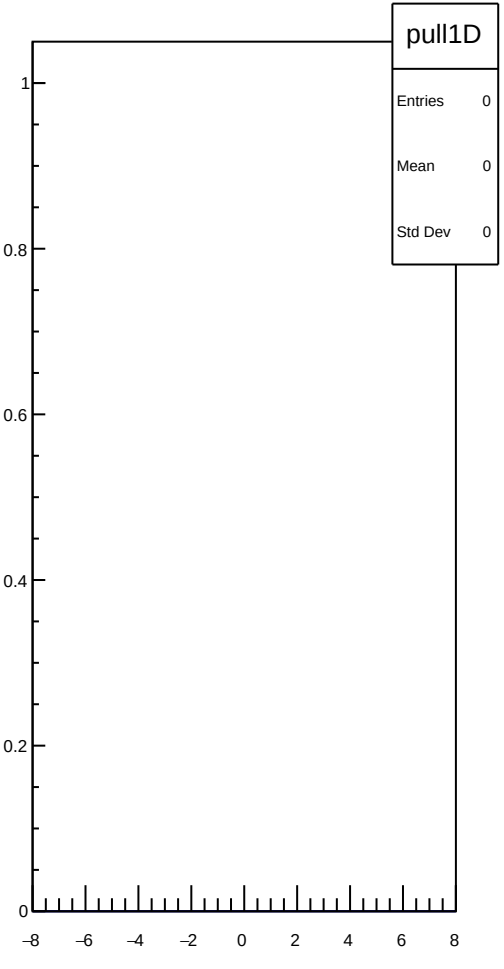
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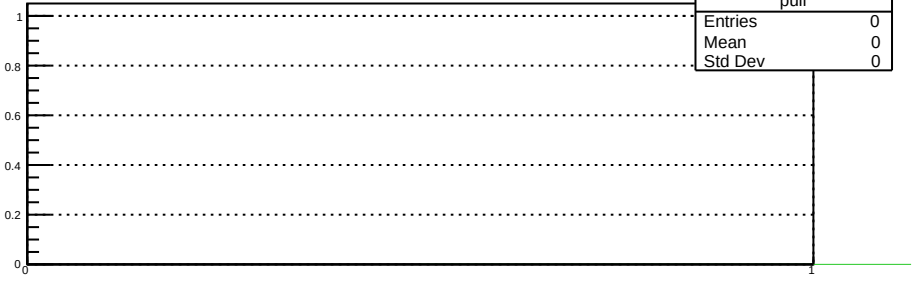
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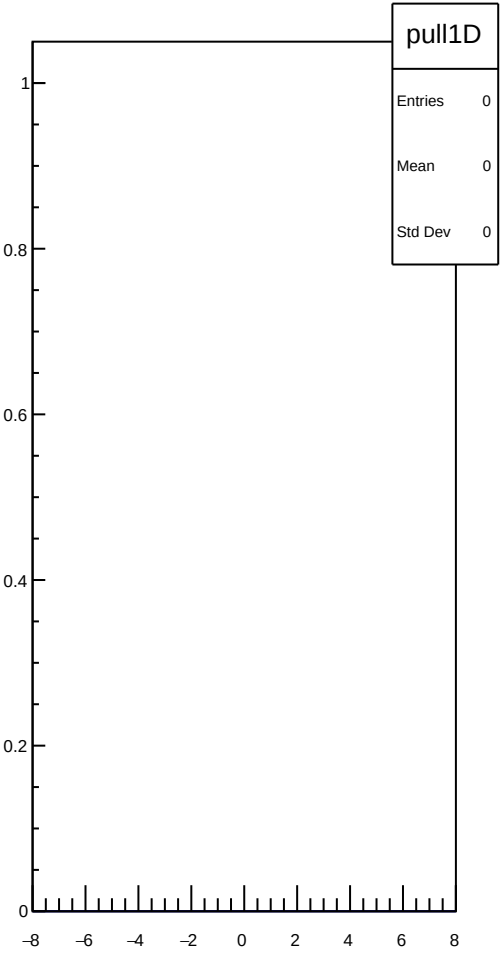
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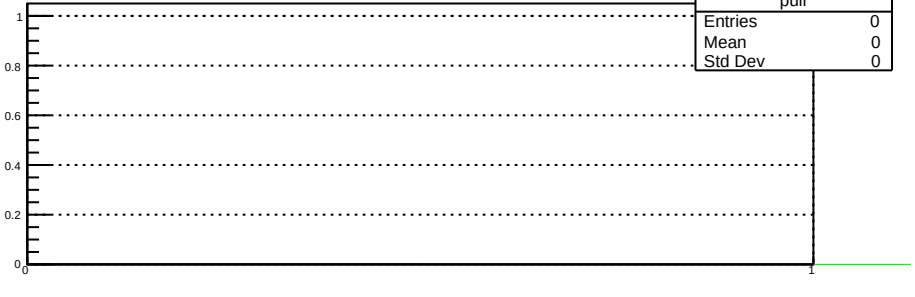
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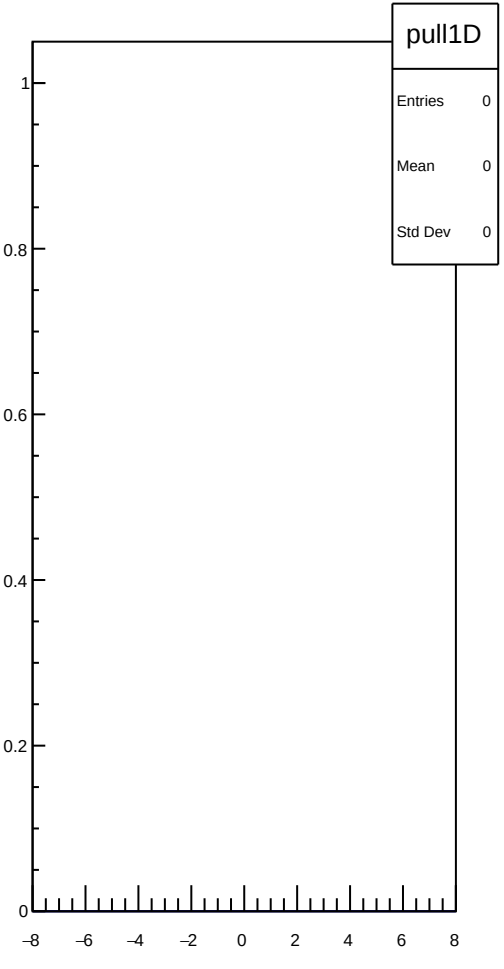
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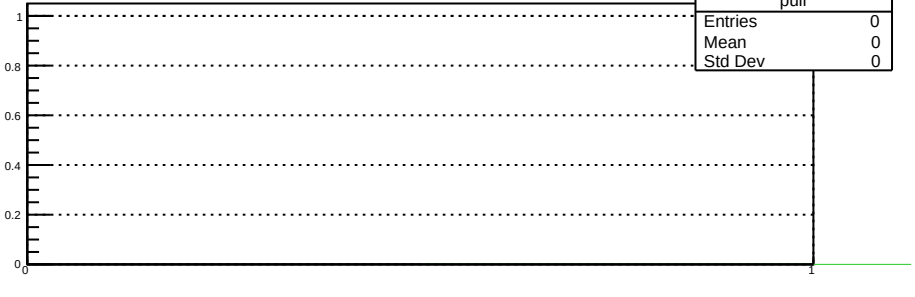
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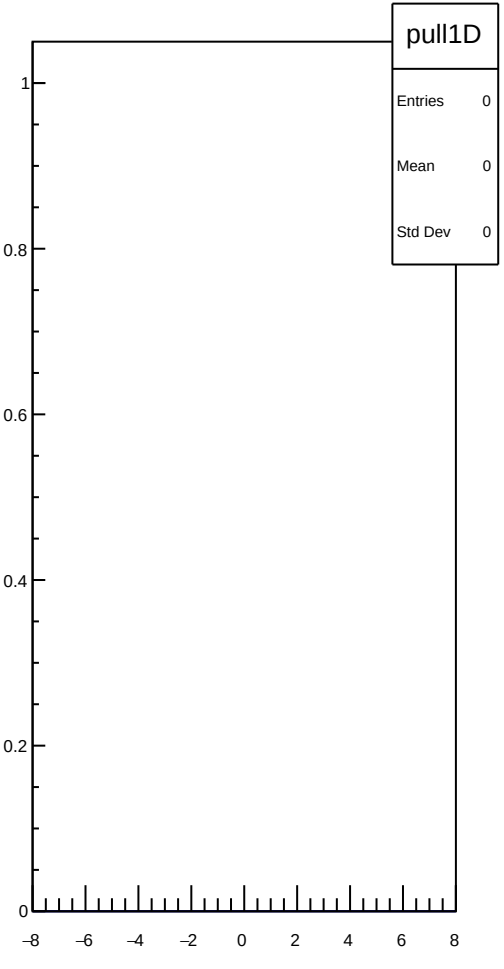
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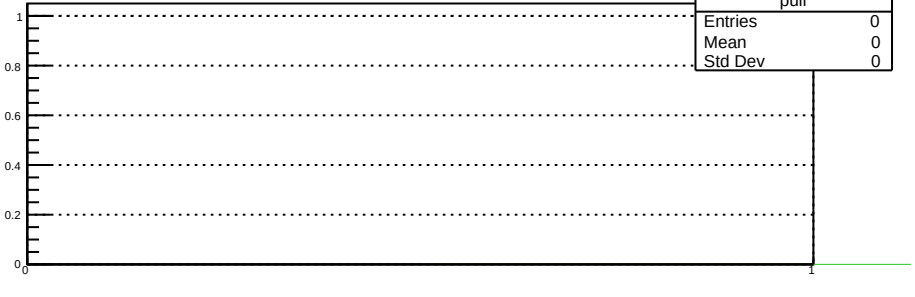
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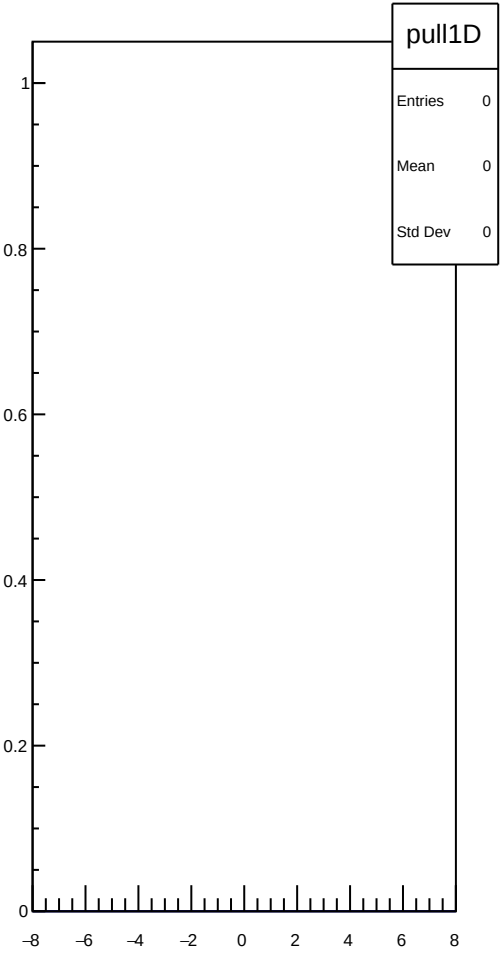
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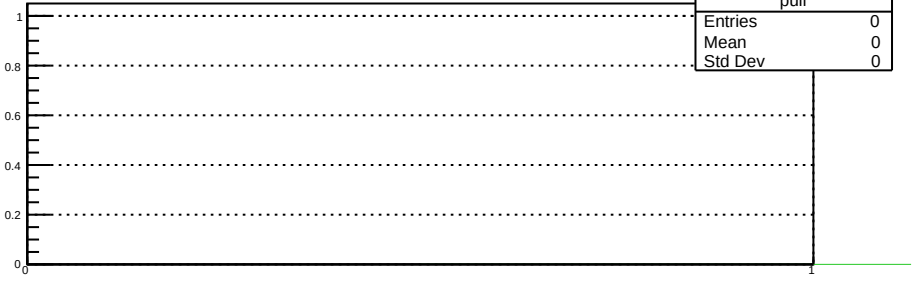
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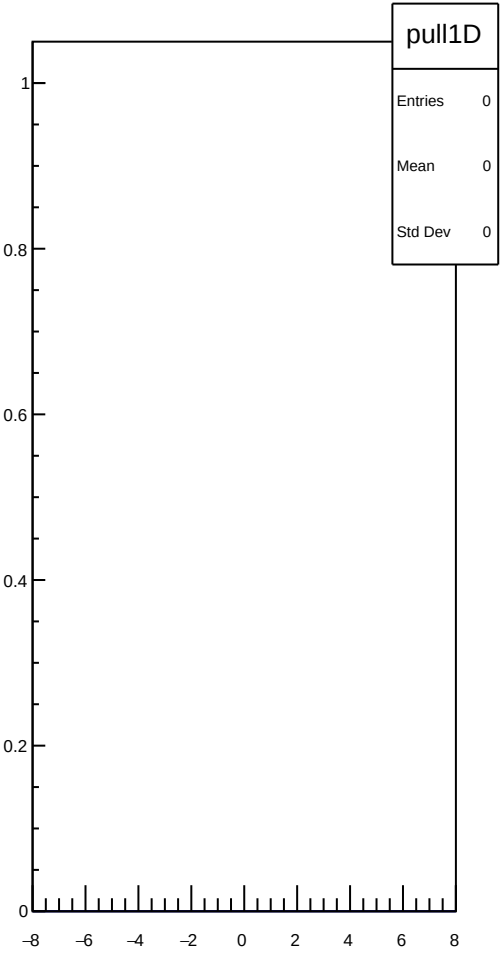
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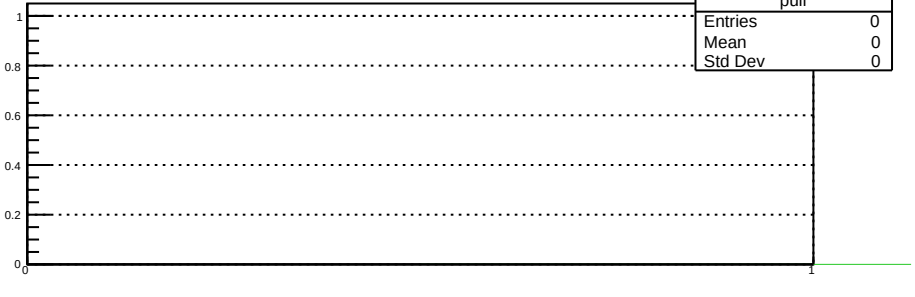
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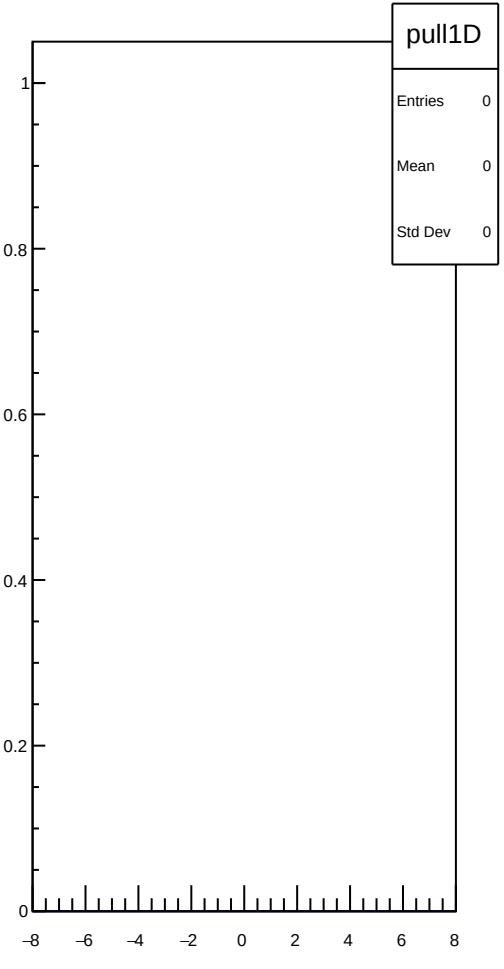
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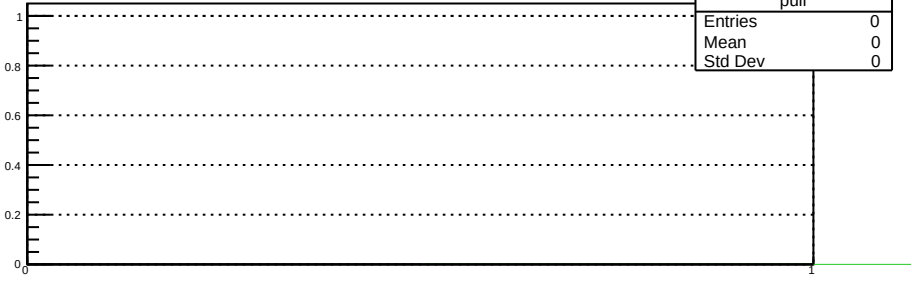
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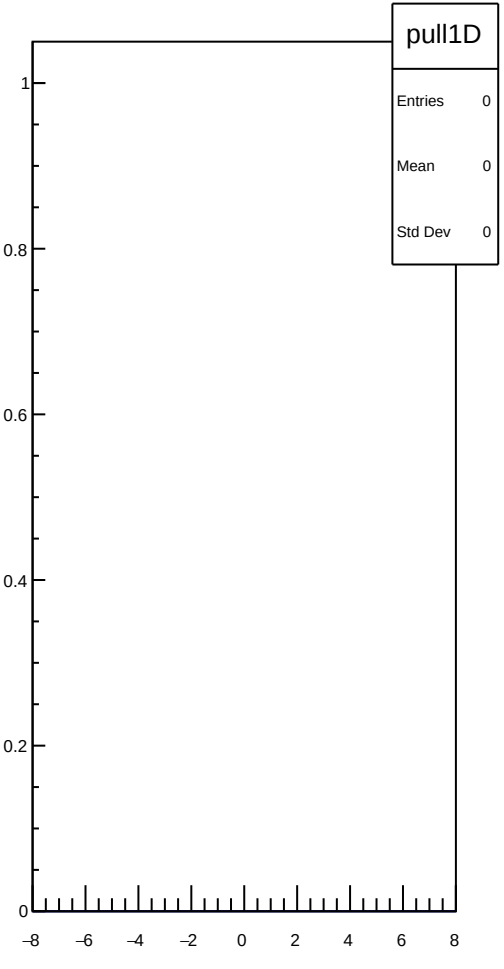
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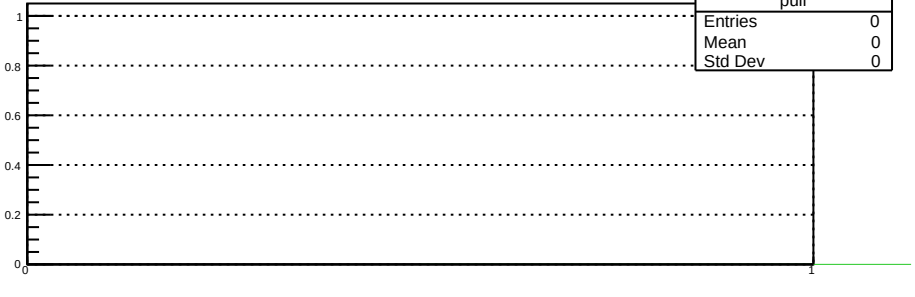
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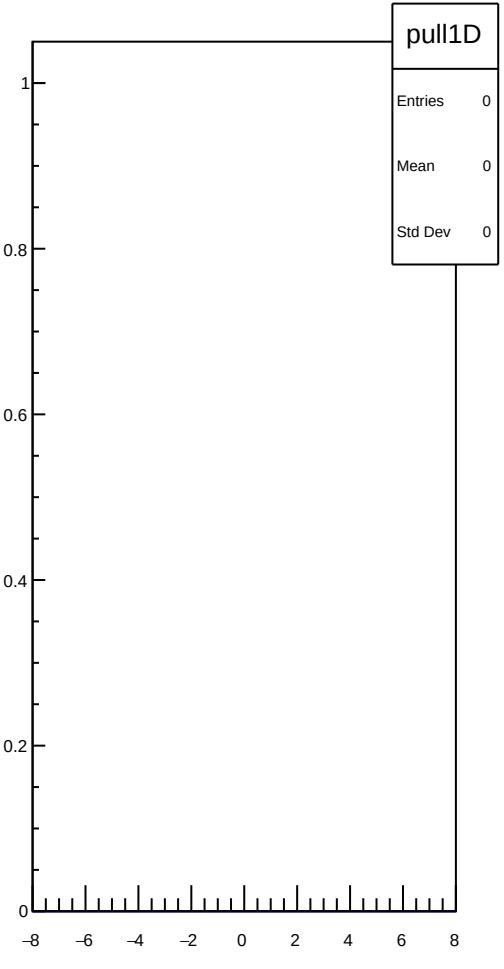
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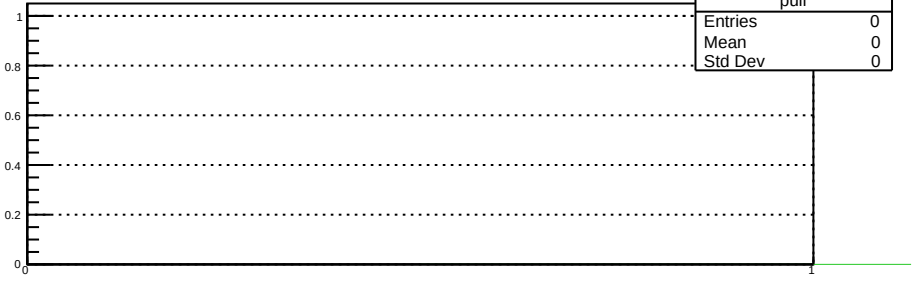
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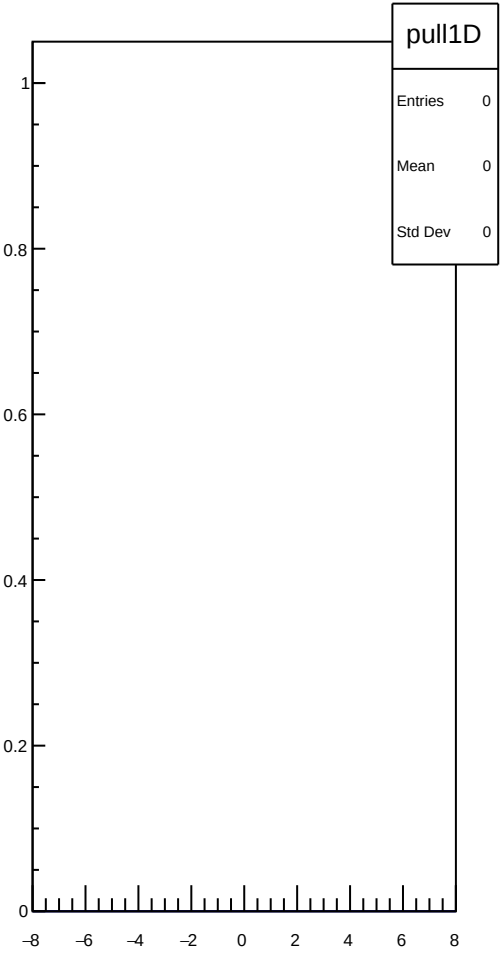
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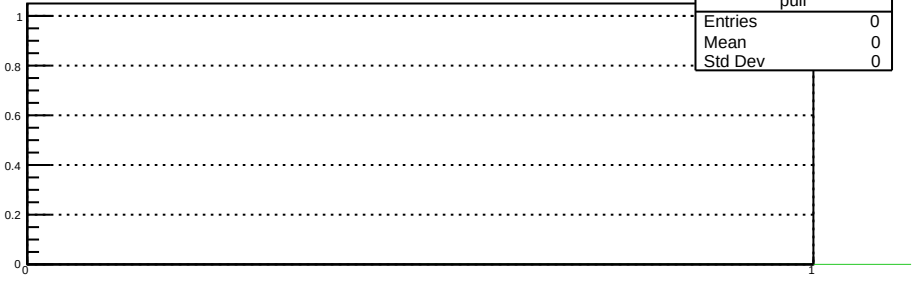
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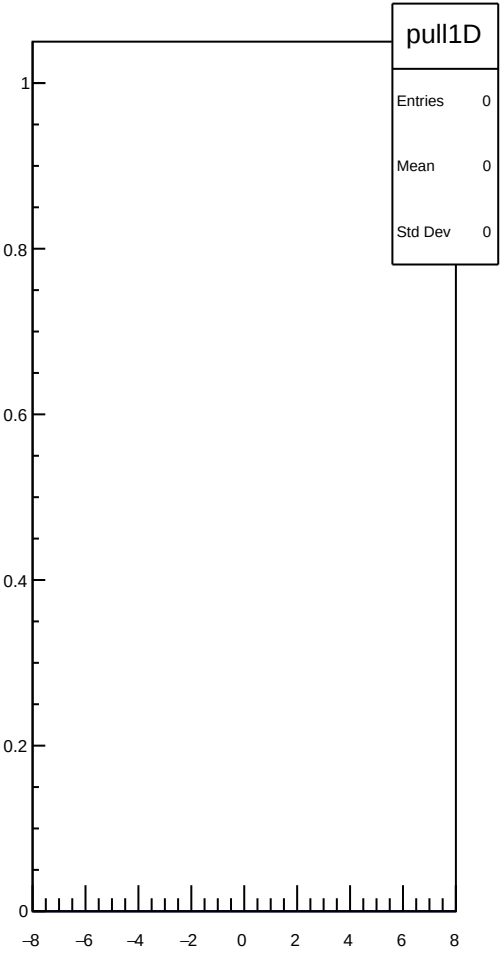
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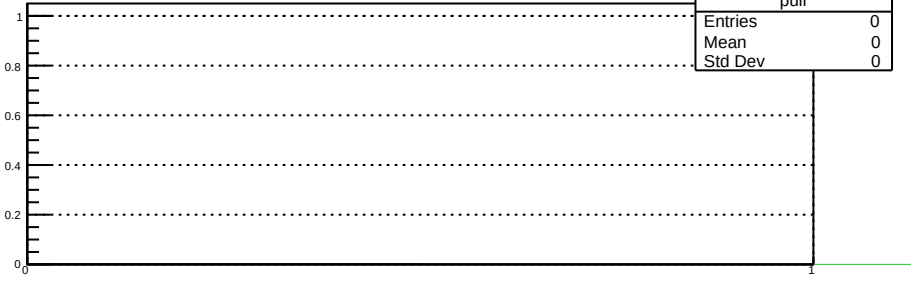
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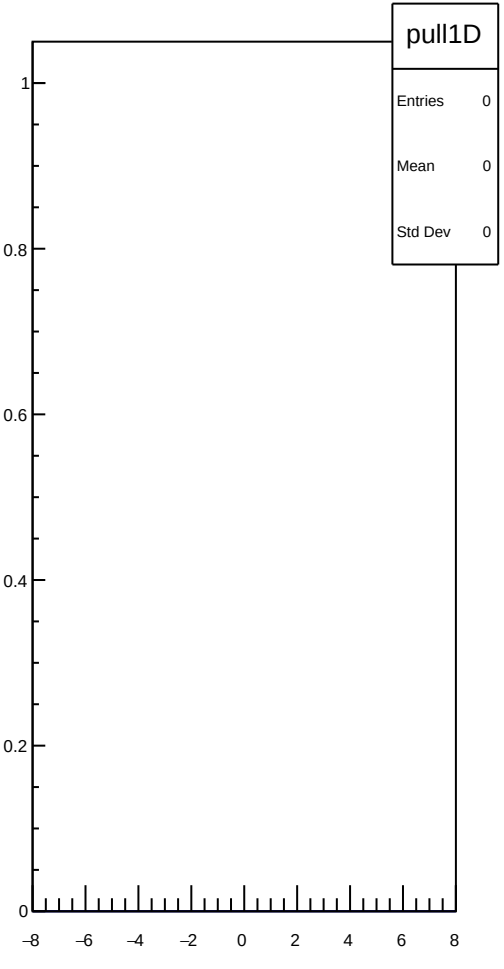
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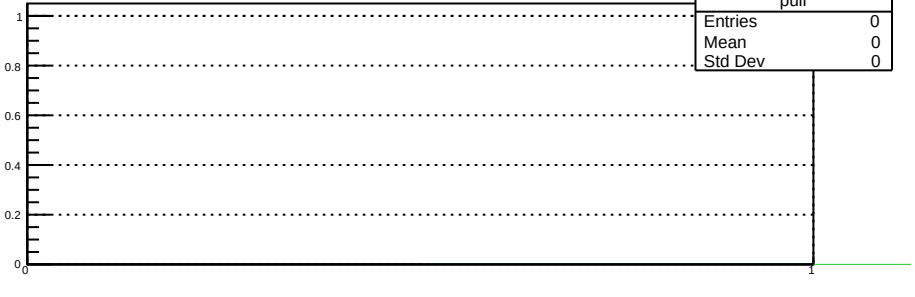
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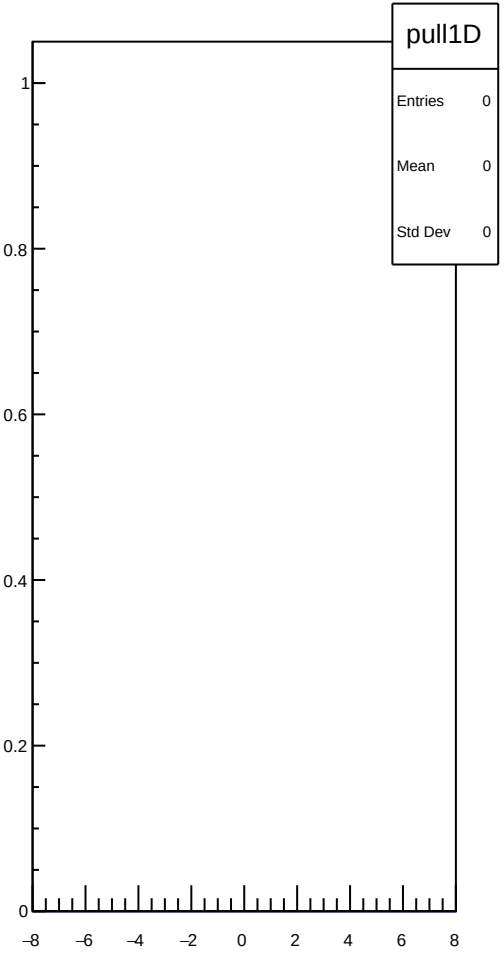
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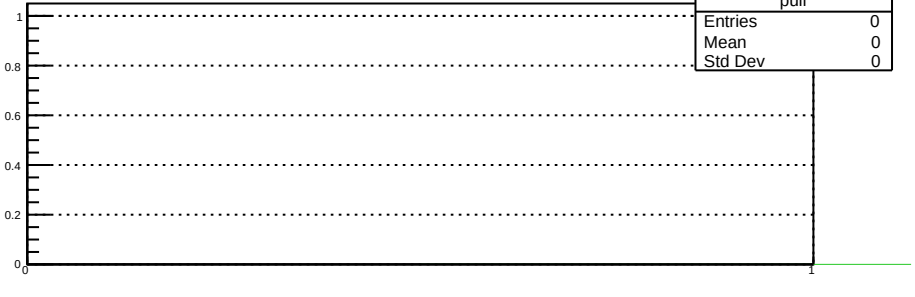
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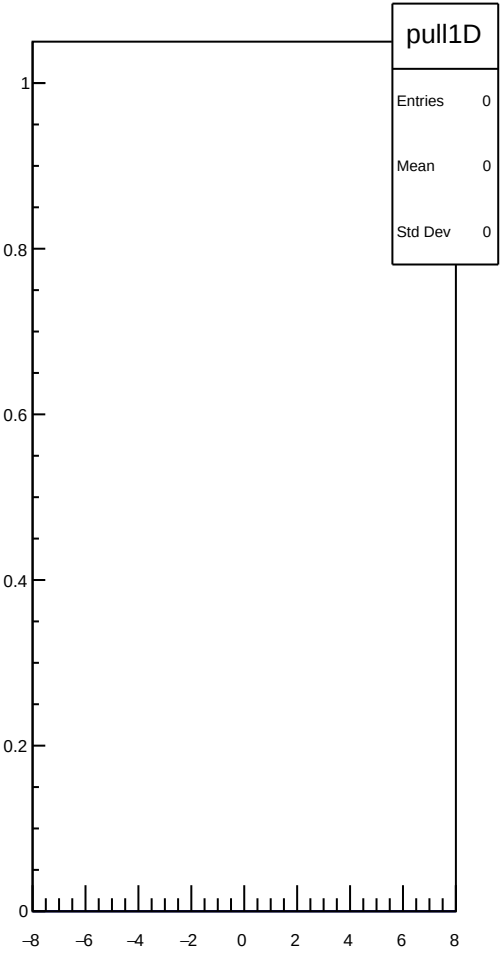
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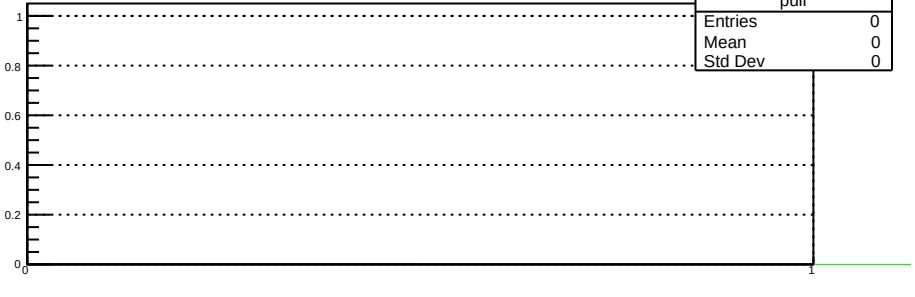
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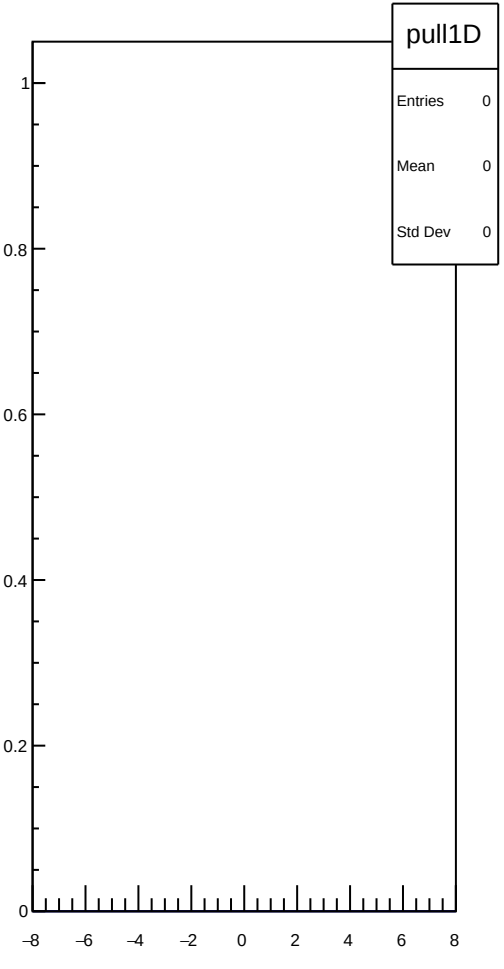
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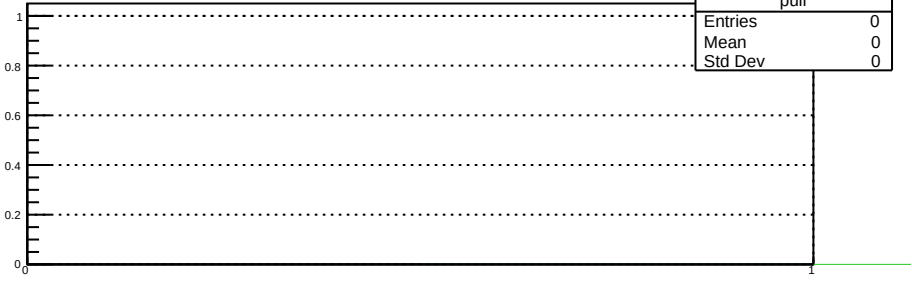
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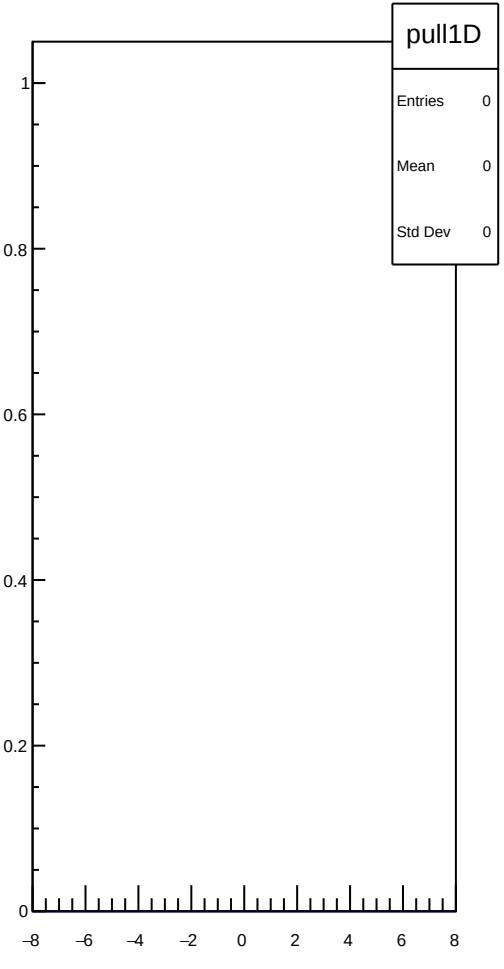
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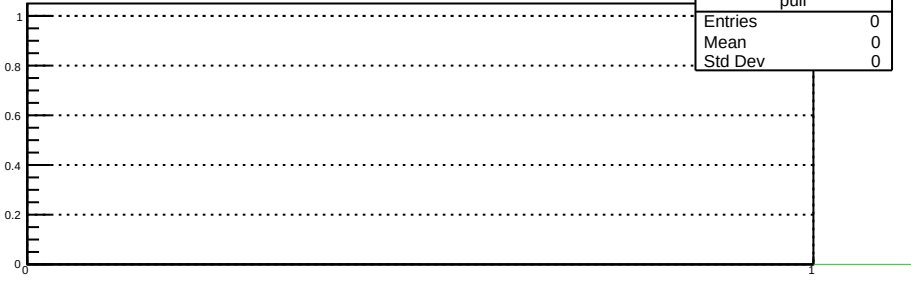
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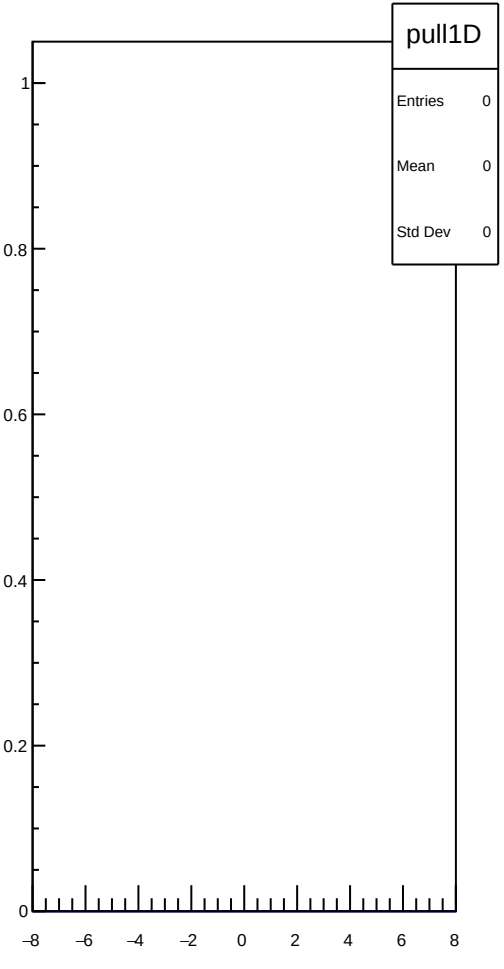
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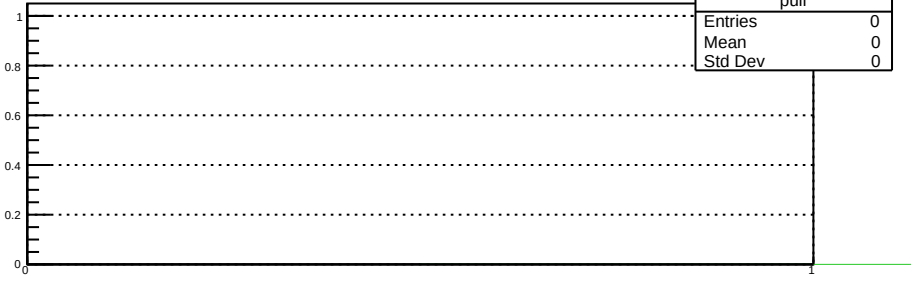
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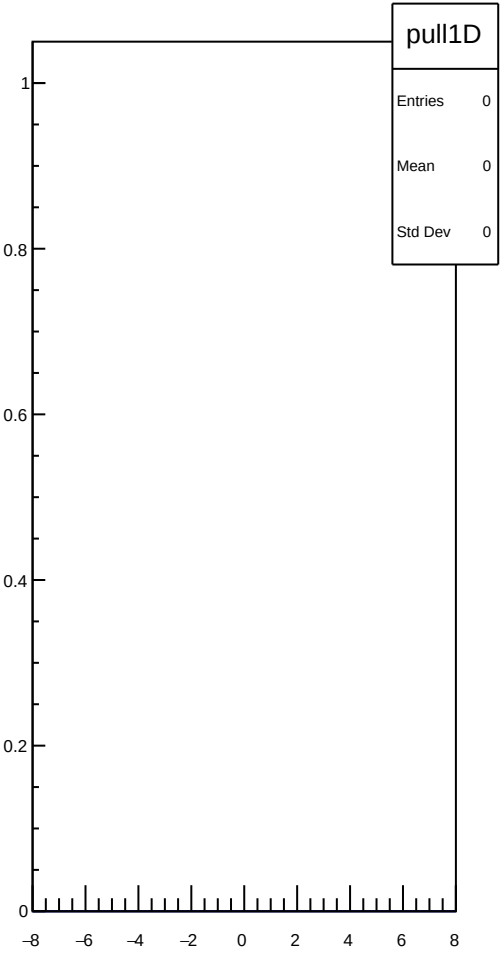
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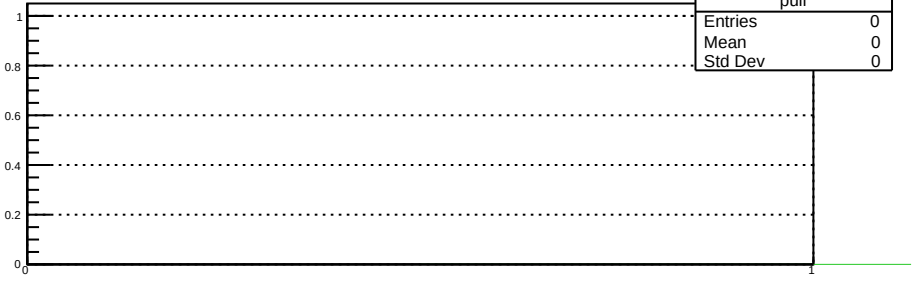
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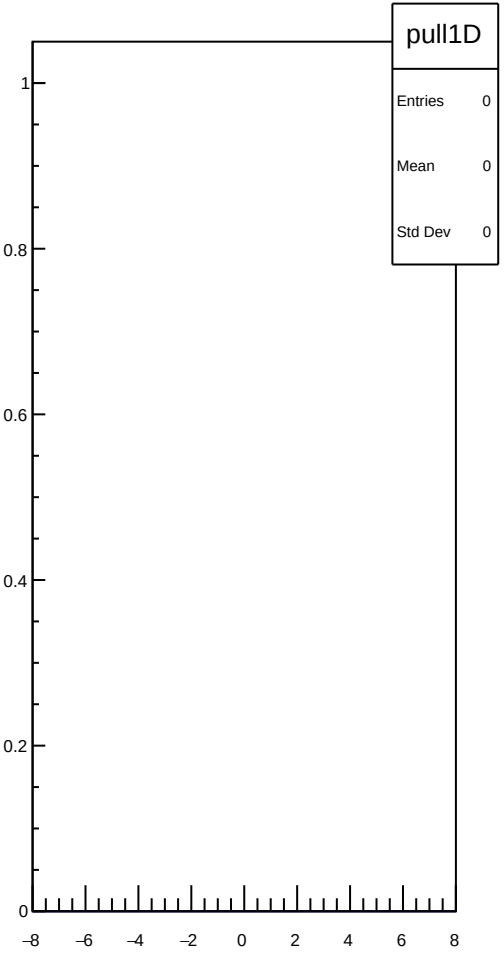
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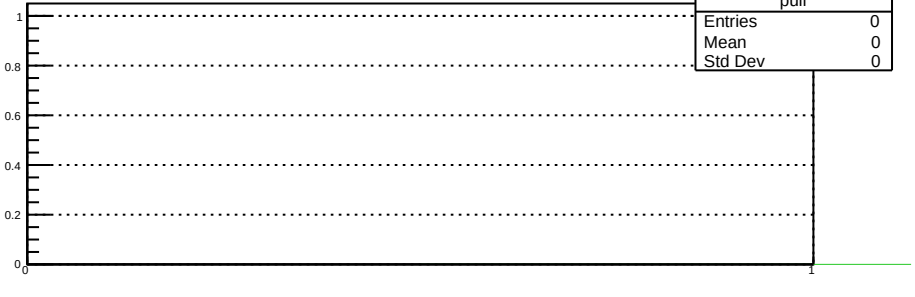
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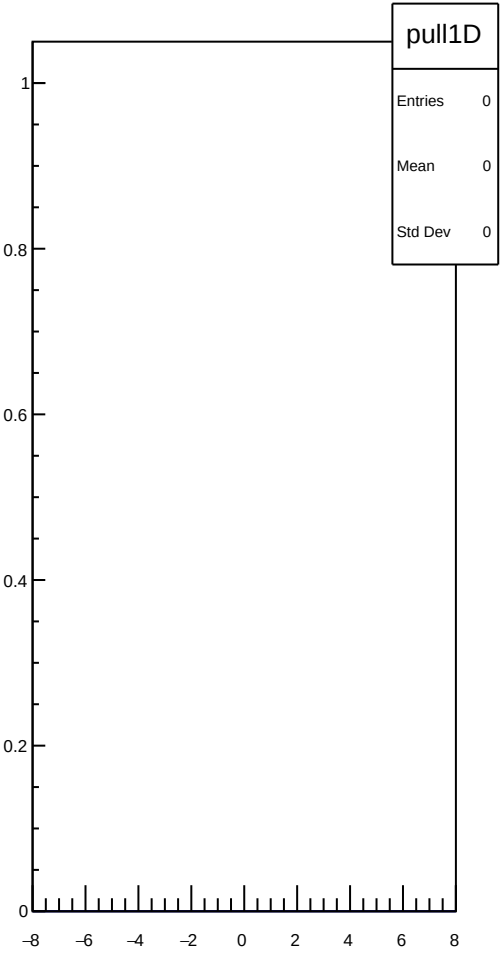
pull1D
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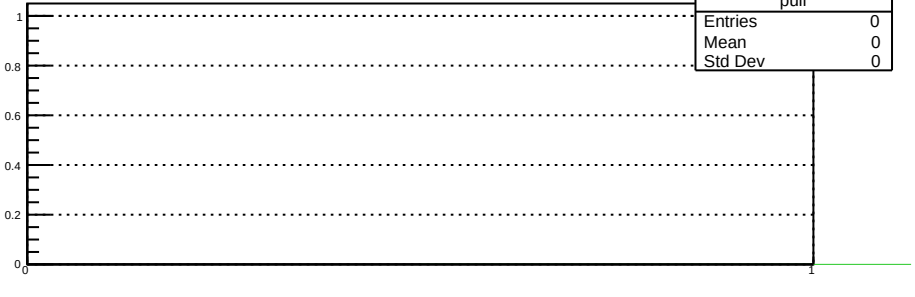
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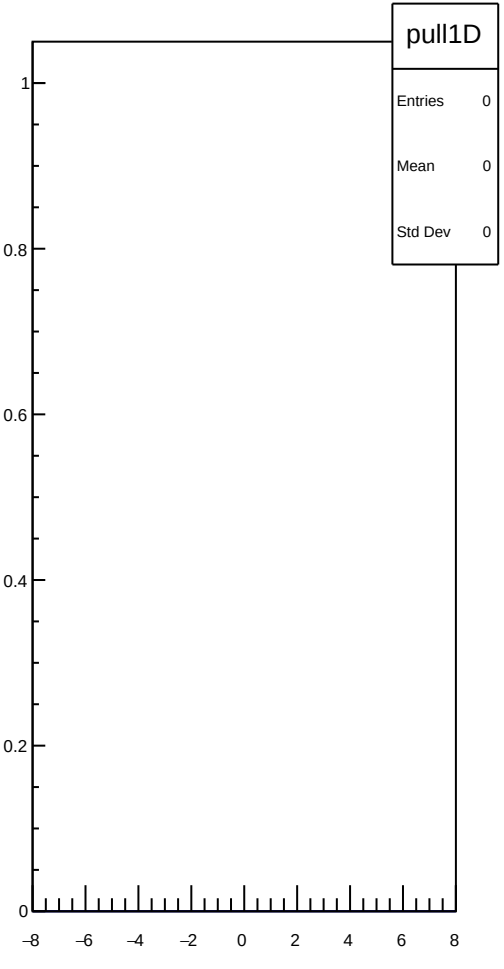
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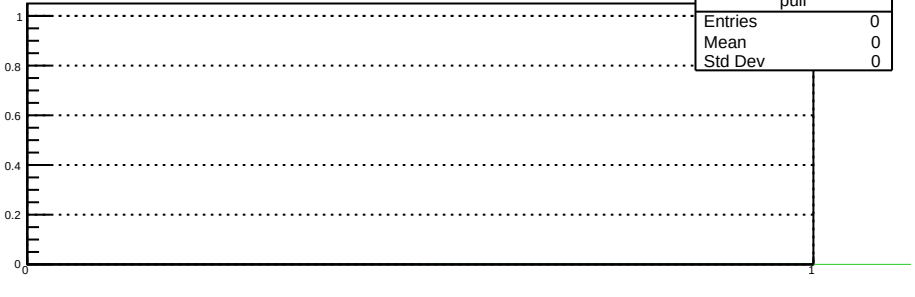
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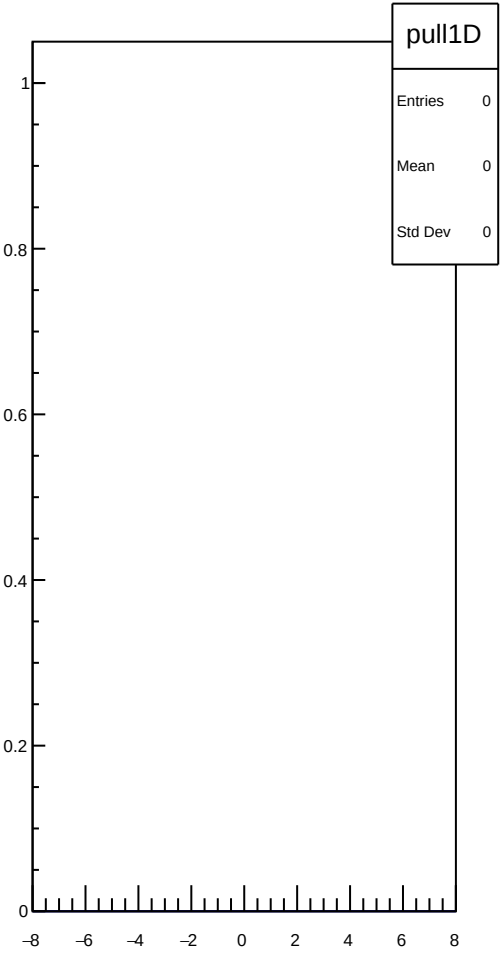
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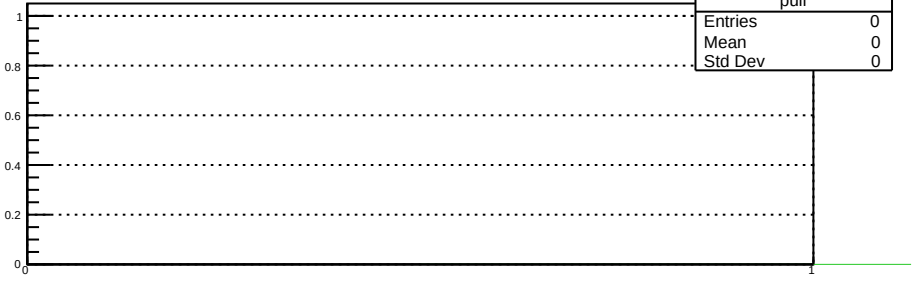
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Std Dev 0
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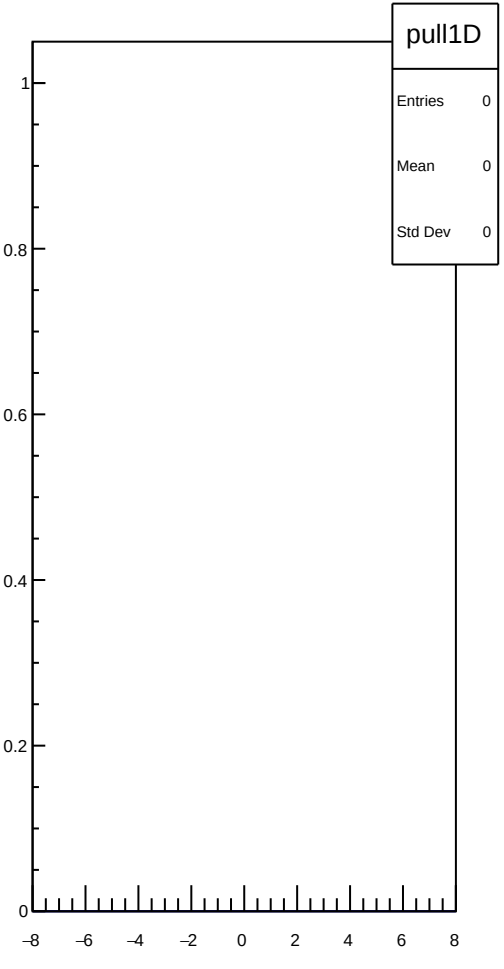
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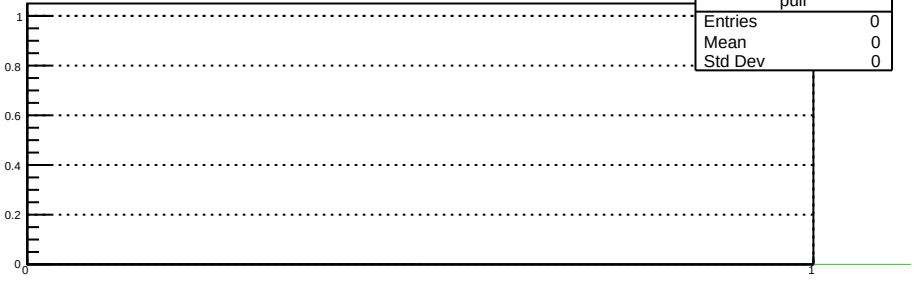
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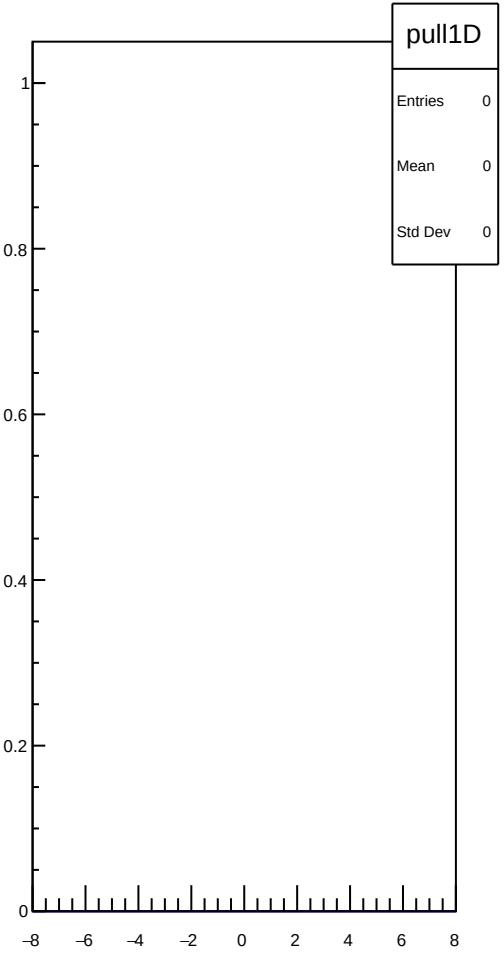
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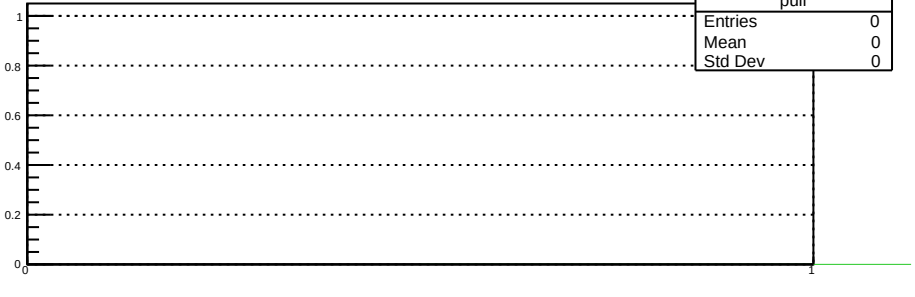
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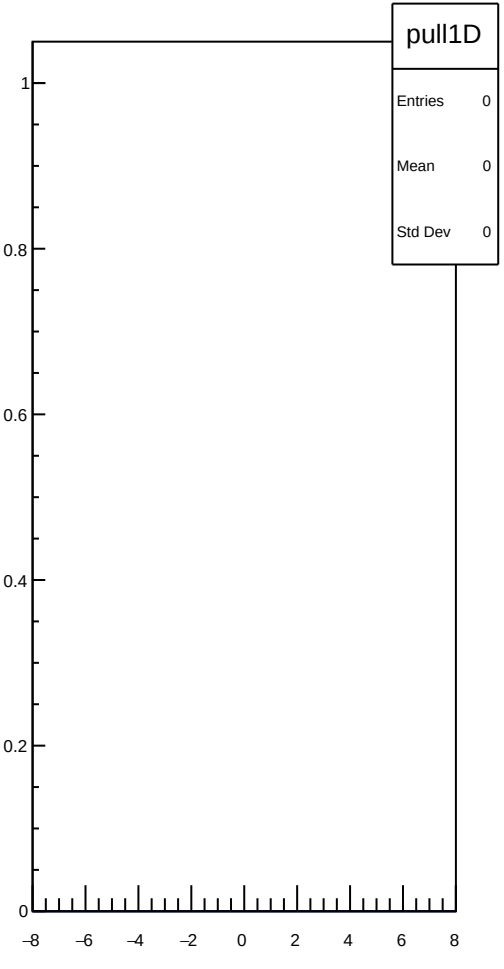
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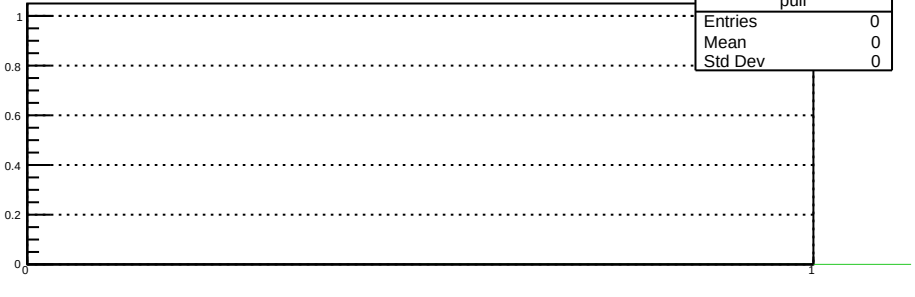
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Std Dev 0
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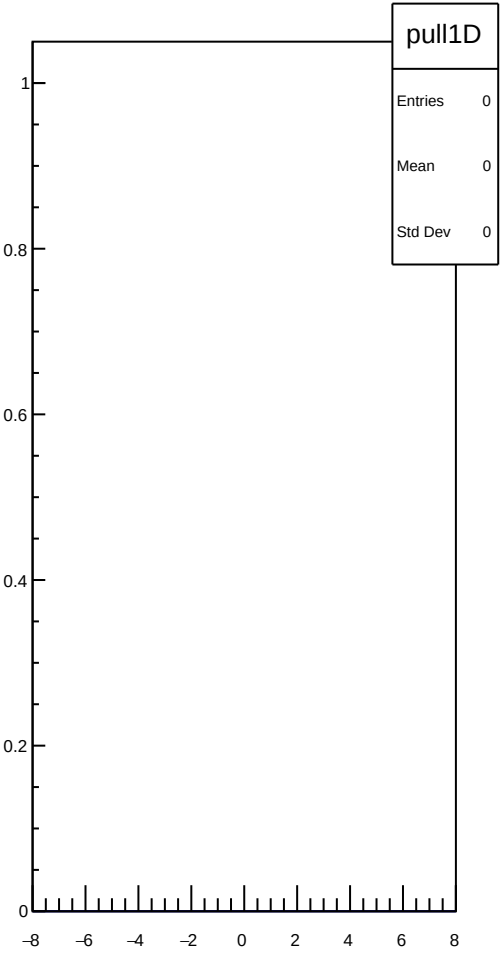
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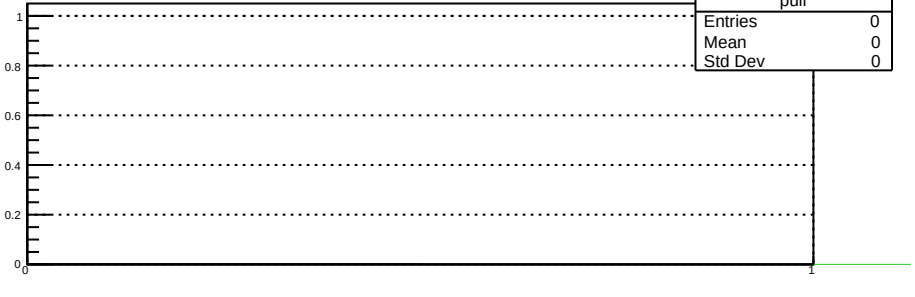
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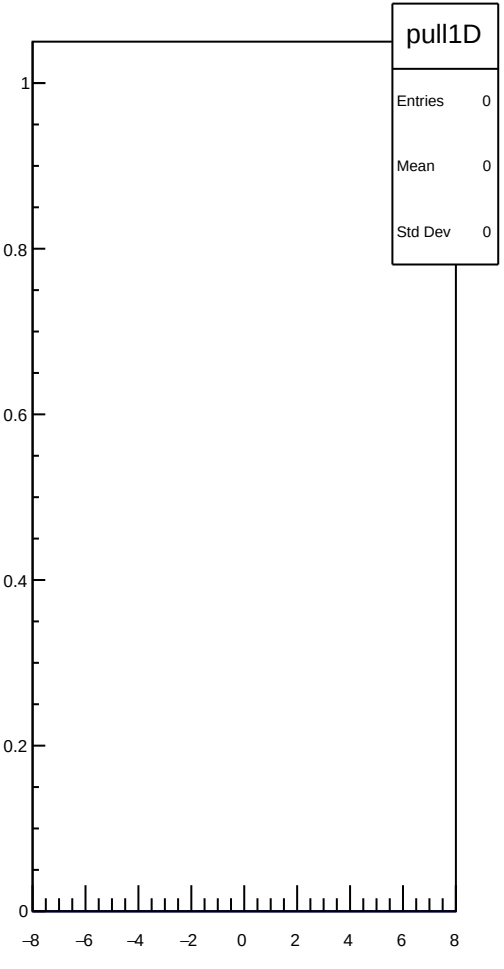
pull1D
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Mean 0
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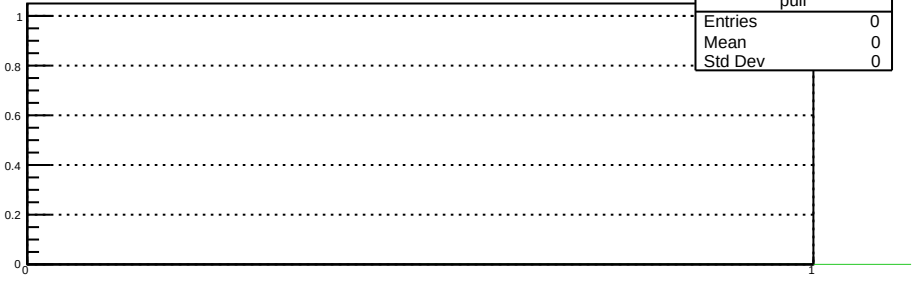
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Mean 0
Std Dev 0
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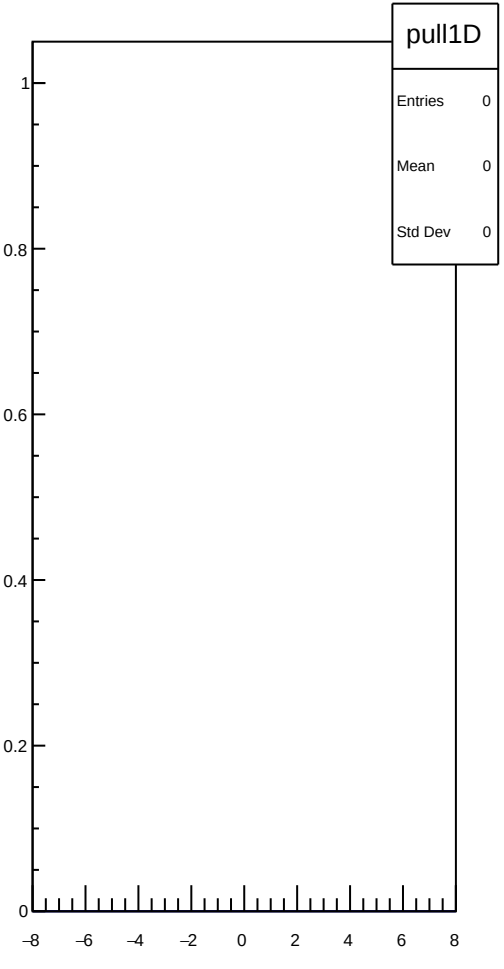
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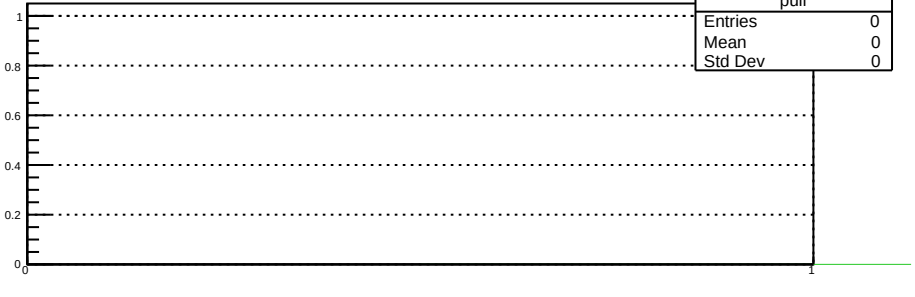
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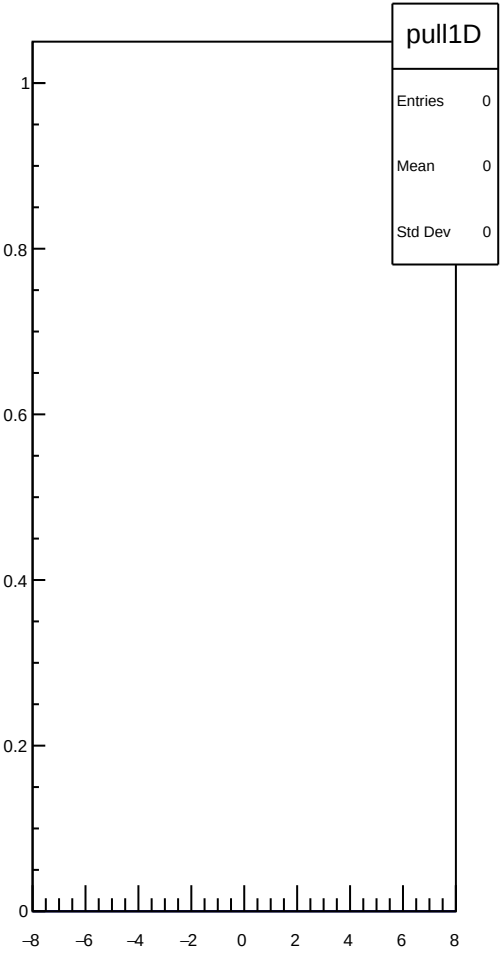
pull1D
Entries 0
Mean 0
Std Dev 0
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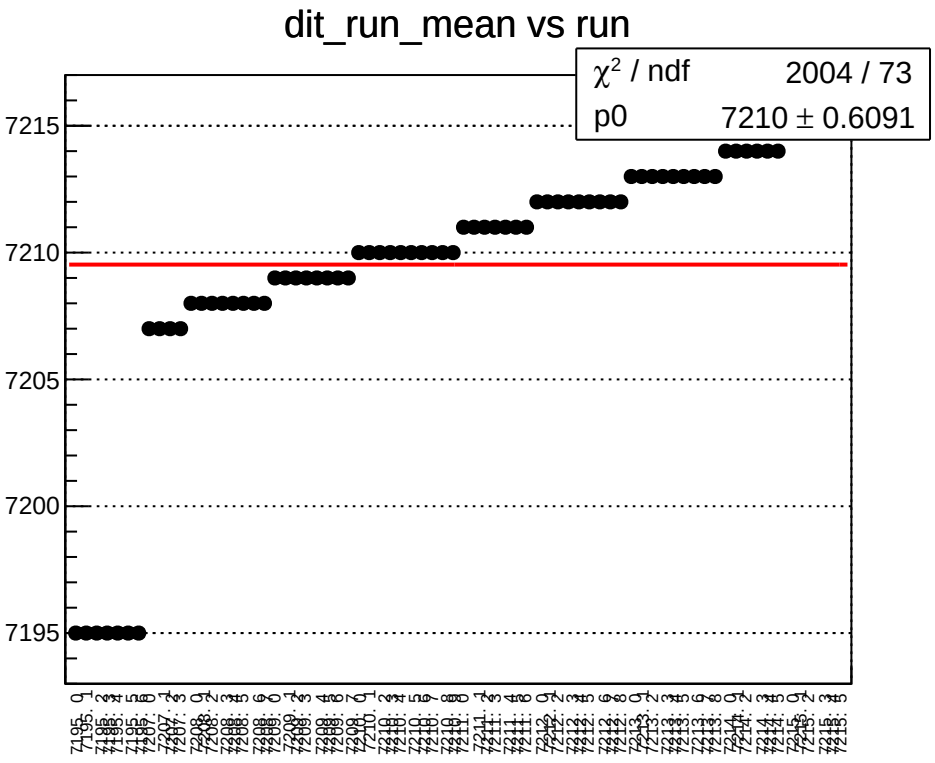
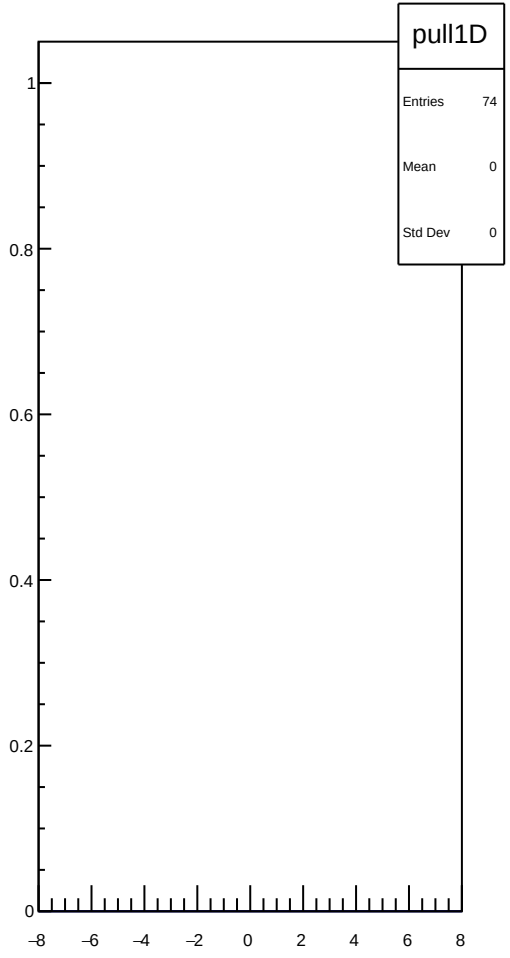
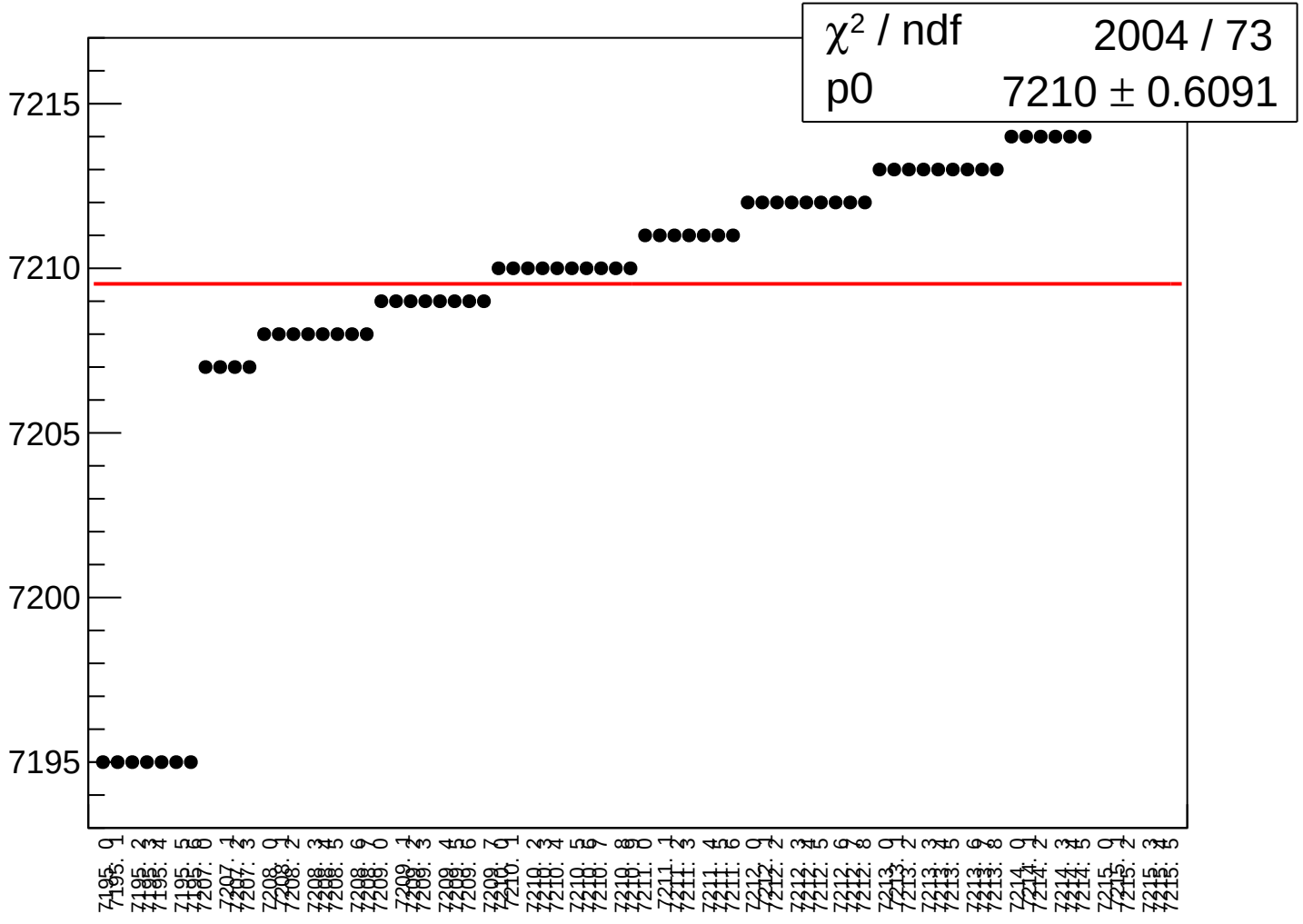
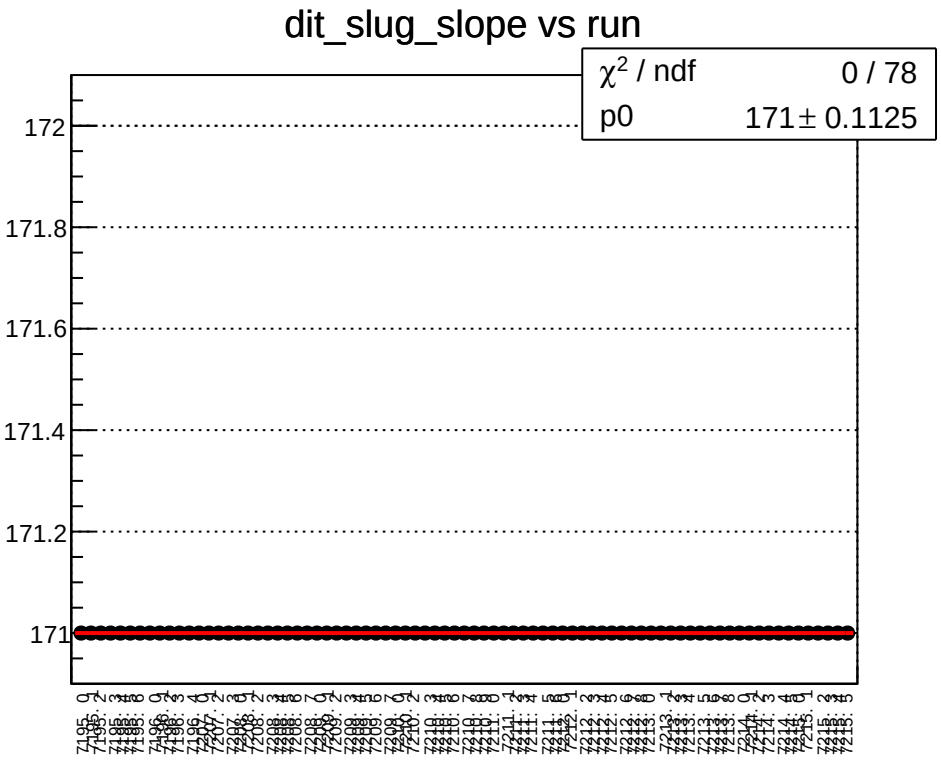
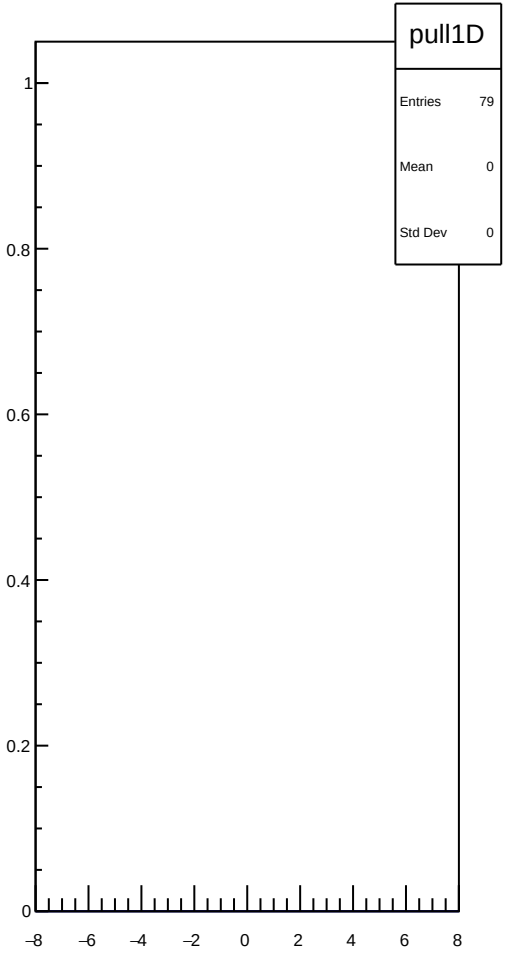

dit_run_mean vs run
χ^2 / ndf 2004 / 73
p0 7210 ± 0.6091
7215
7210
7205
7200
7195


pull1D
Entries 74
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_run_rms vs run




dit_slug_slope vs run
χ^2 / ndf 0 / 78
p0 171 ± 0.1125
172
171.8
171.6
171.4
171.2
171


pull1D
Entries 79
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–6
–4
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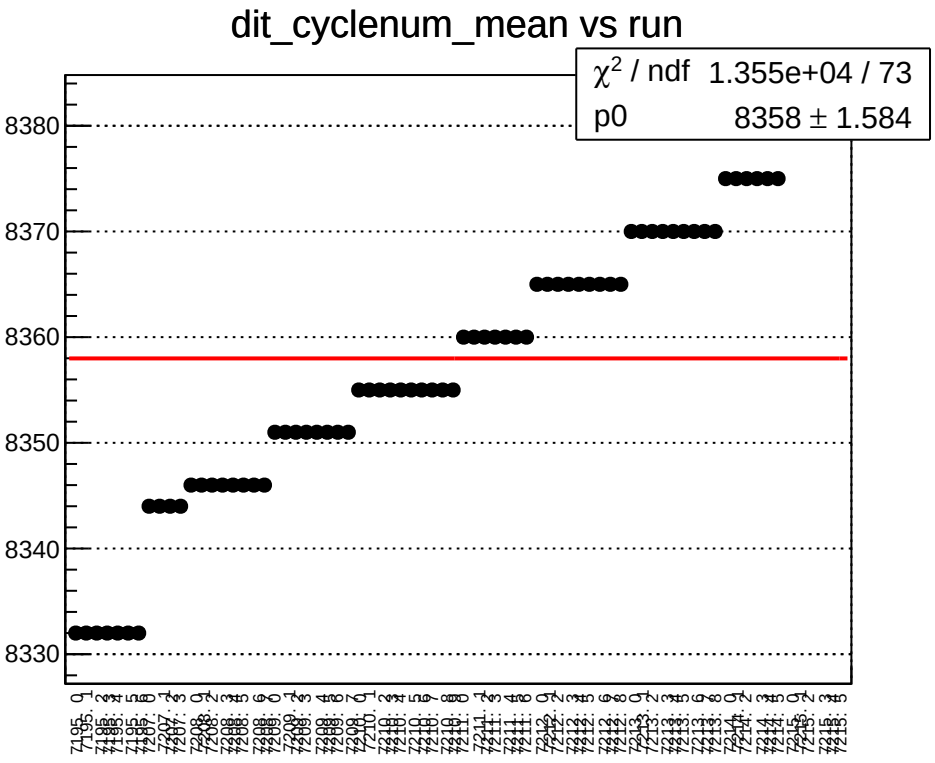
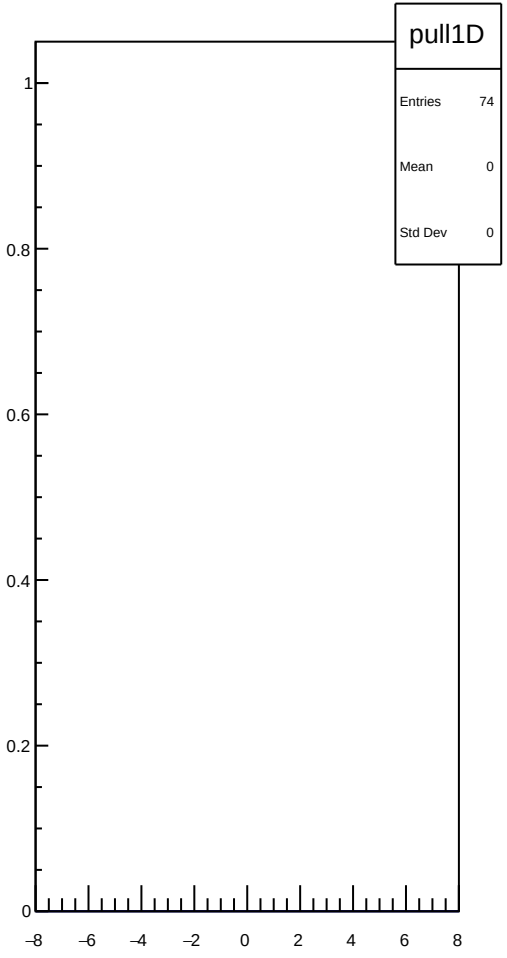
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 1.355e+04 / 73
p0 8358 ± 1.584
8380
8370
8360
8350
8340
8330


pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
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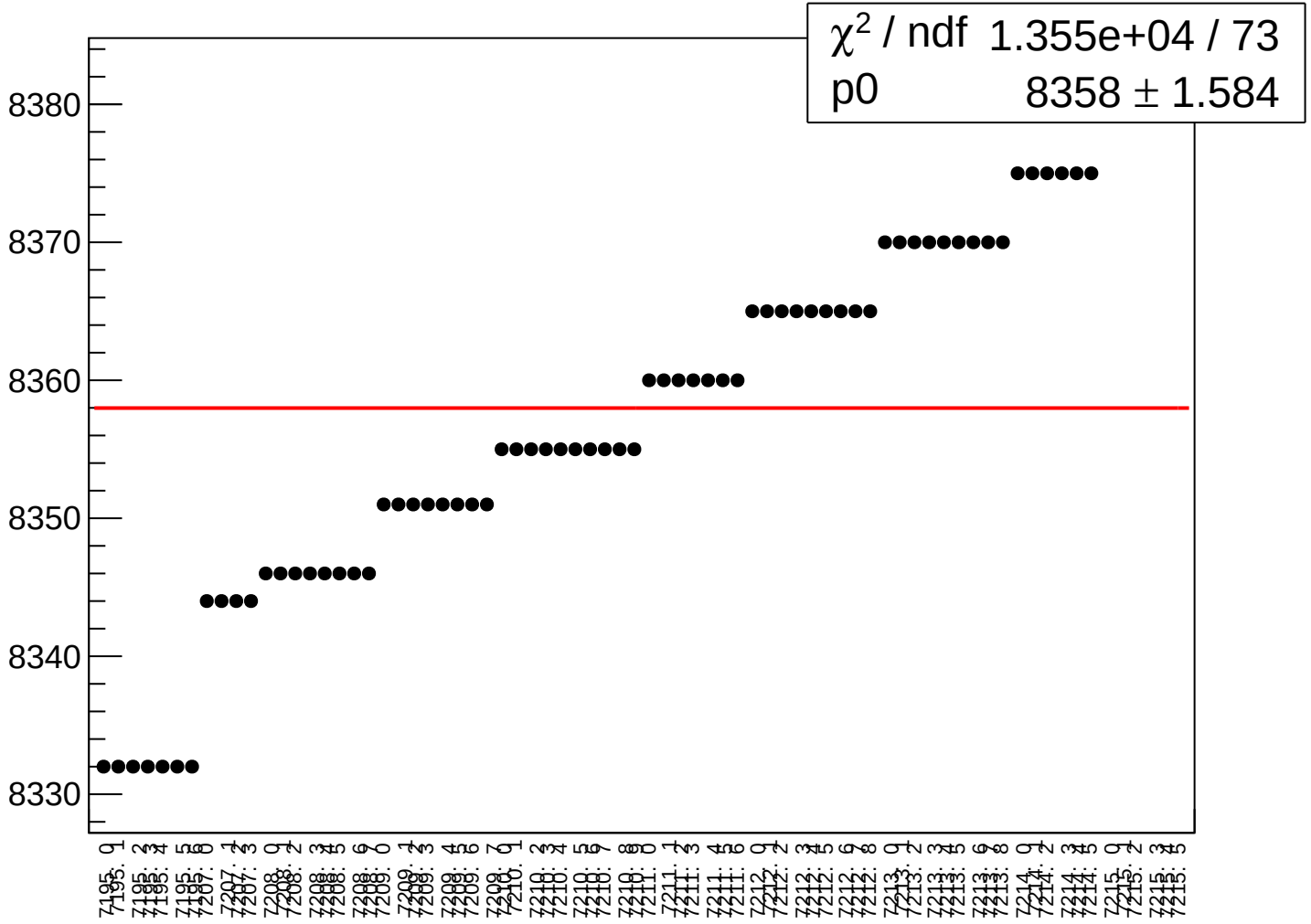
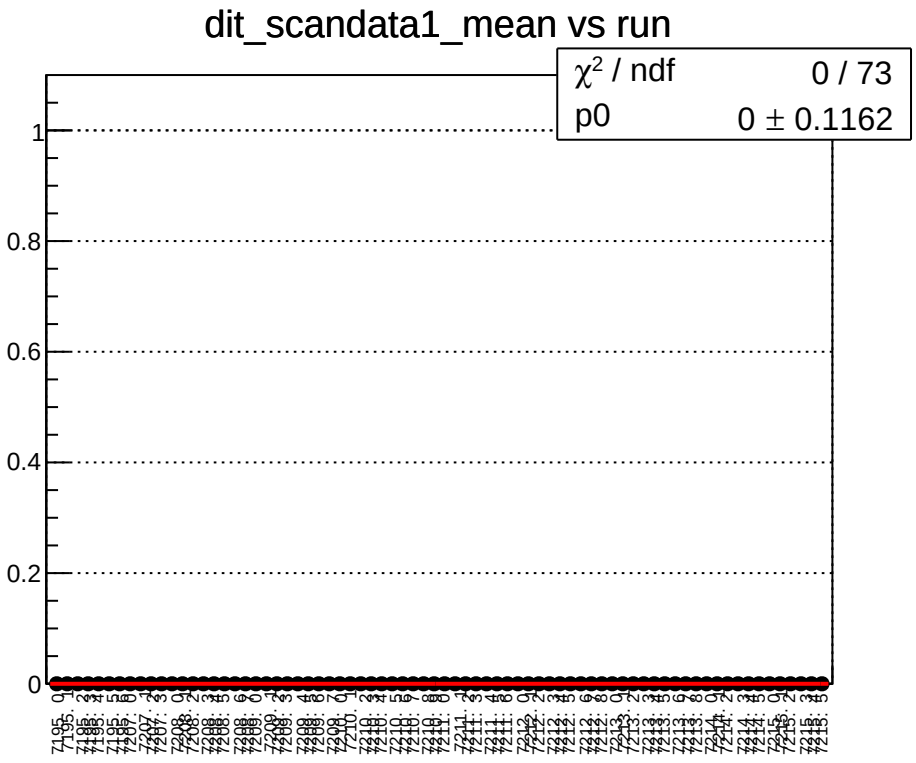
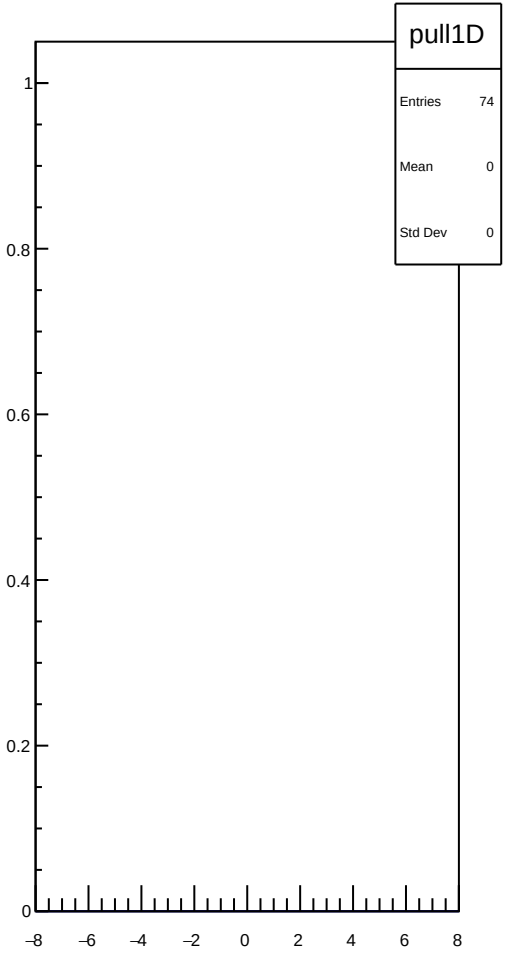
2
4
6
8

dit_cyclenum_rms vs run




dit_scandata1_mean vs run
χ^2 / ndf 0 / 73
p0 0 ± 0.1162
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
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0
–8
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–2
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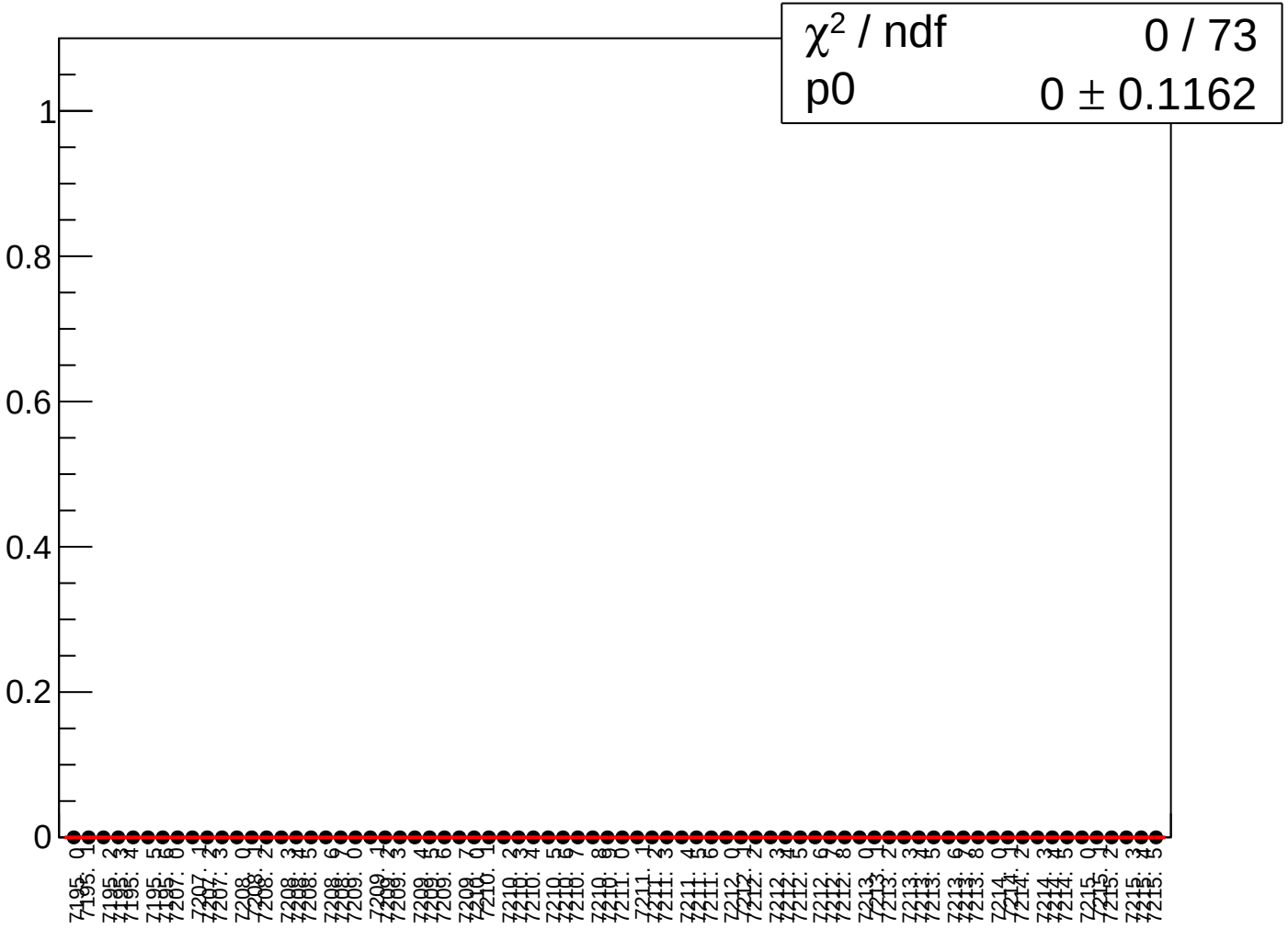
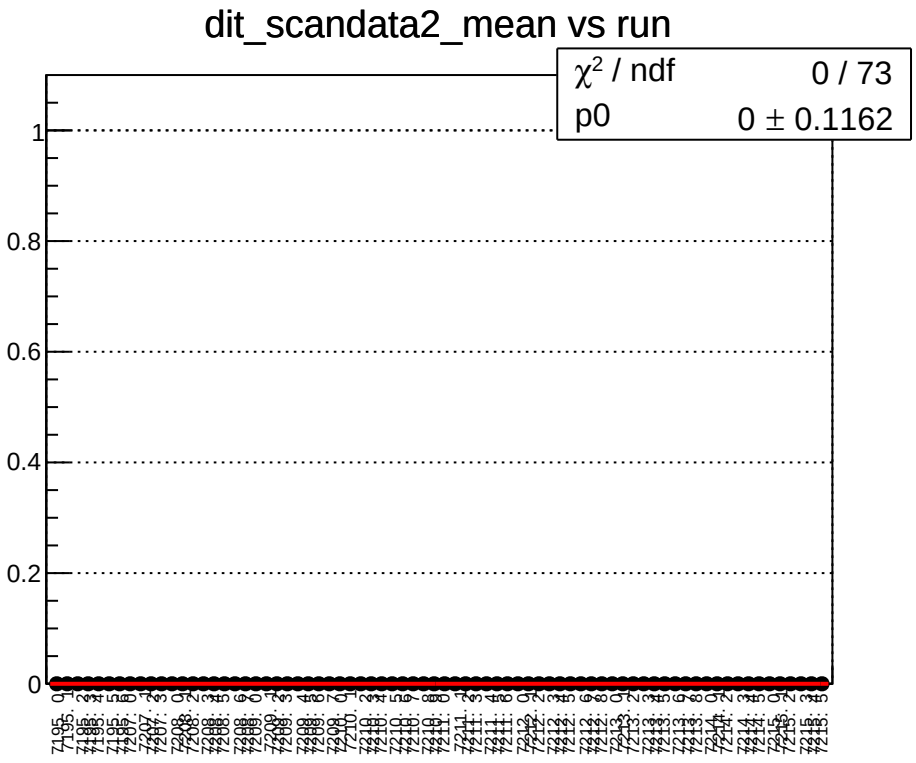
2
4
6
8

dit_scandata1_rms vs run




dit_scandata2_mean vs run
χ^2 / ndf 0 / 73
p0 0 ± 0.1162
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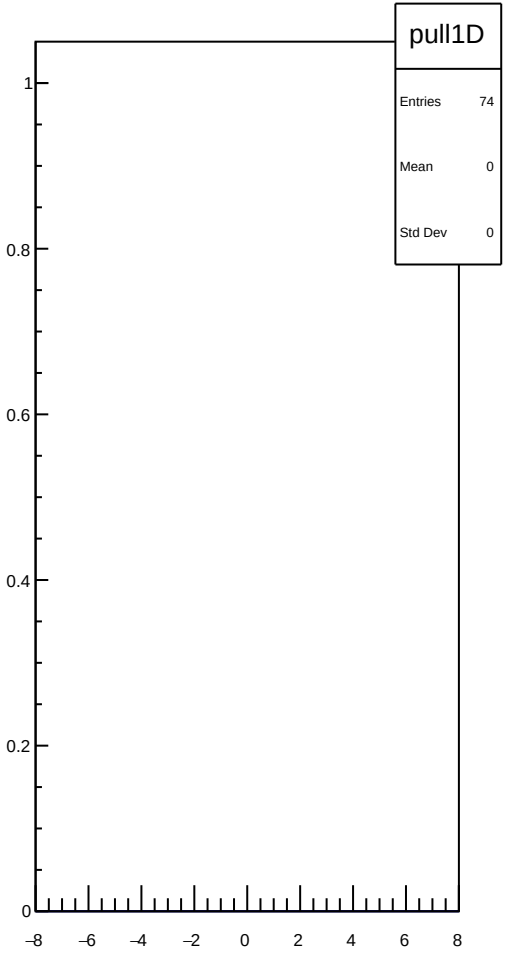
0.8
0.6
0.4
0.2
0


pull1D
Entries 74
Mean 0
Std Dev 0
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6
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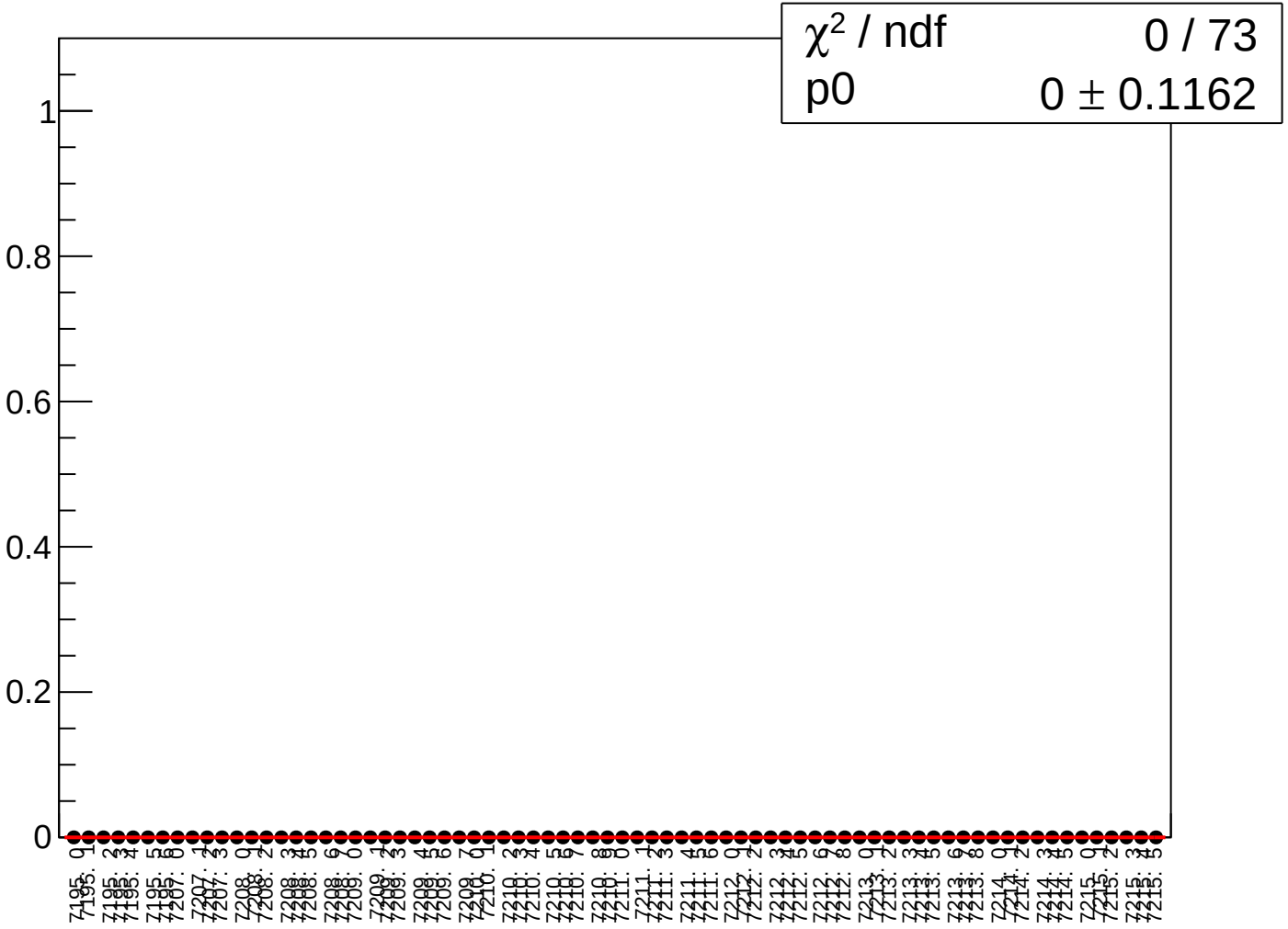
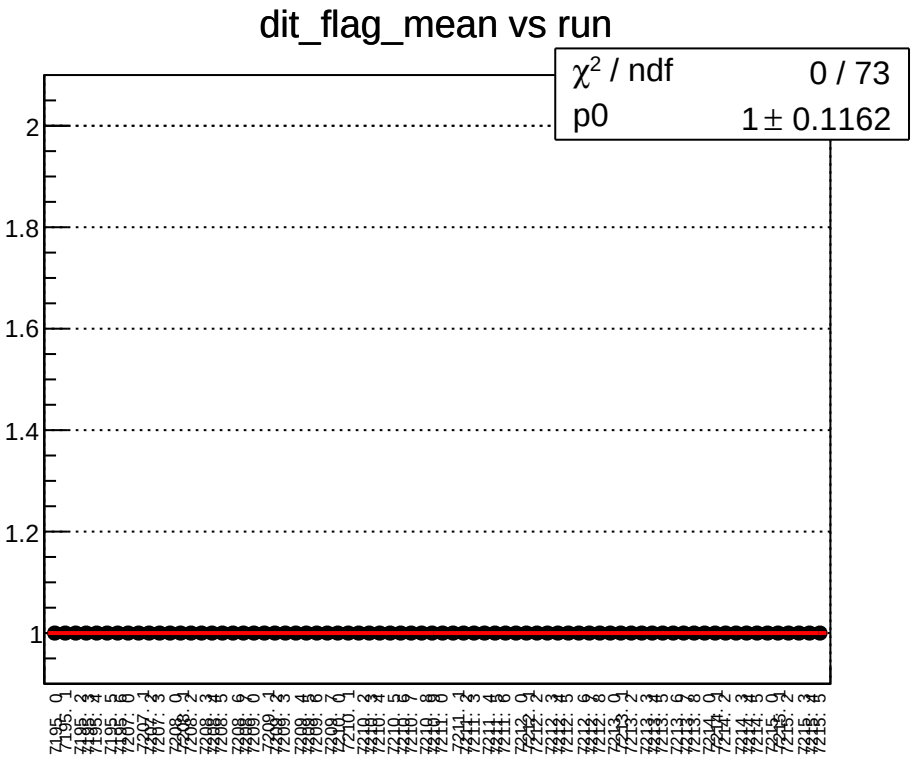
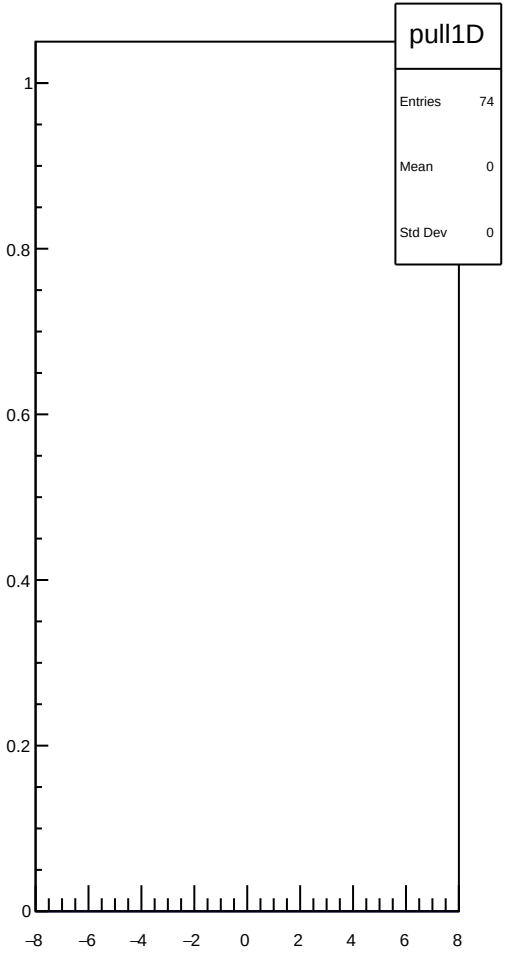
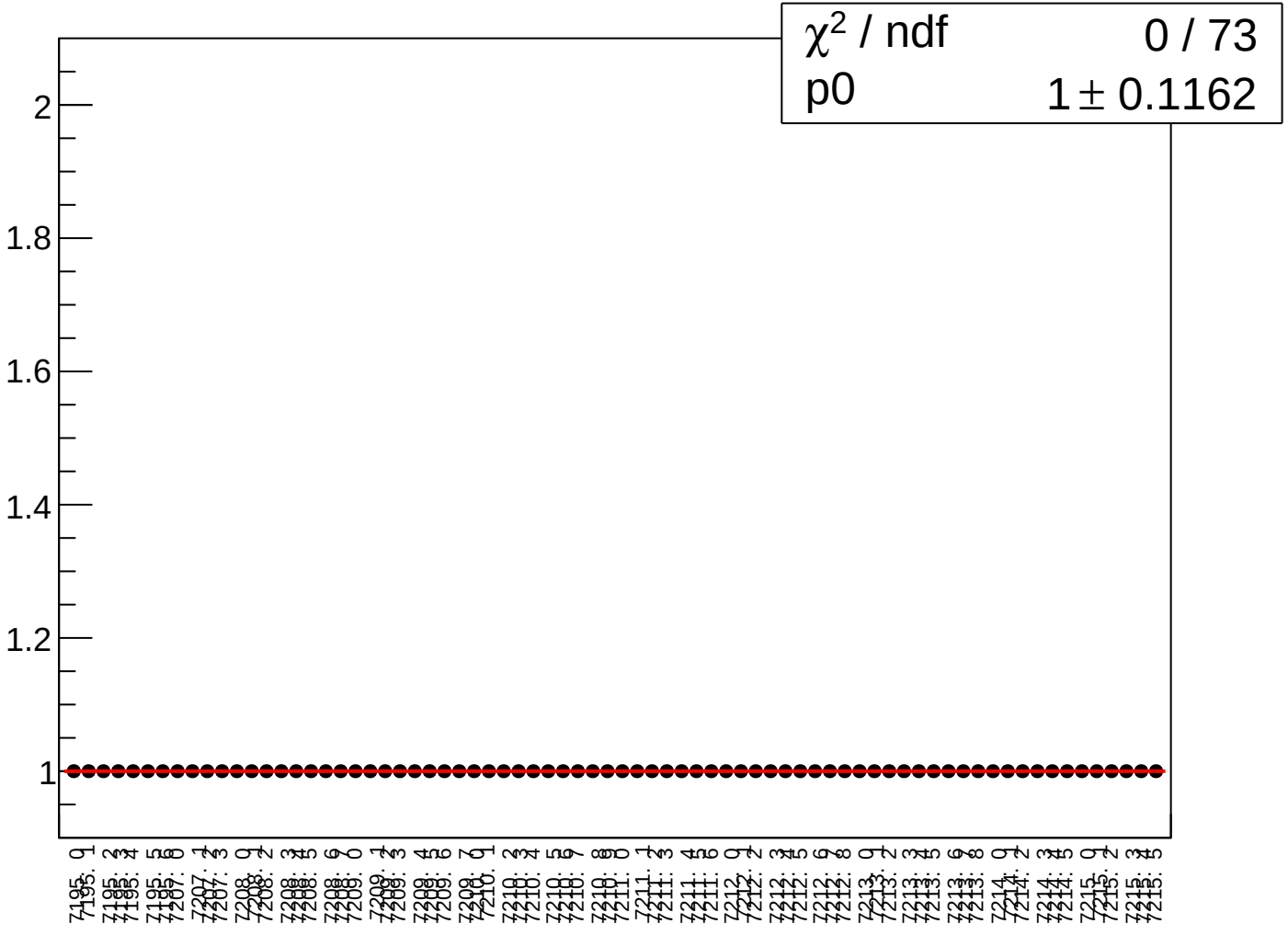
dit_scandata2_rms vs run

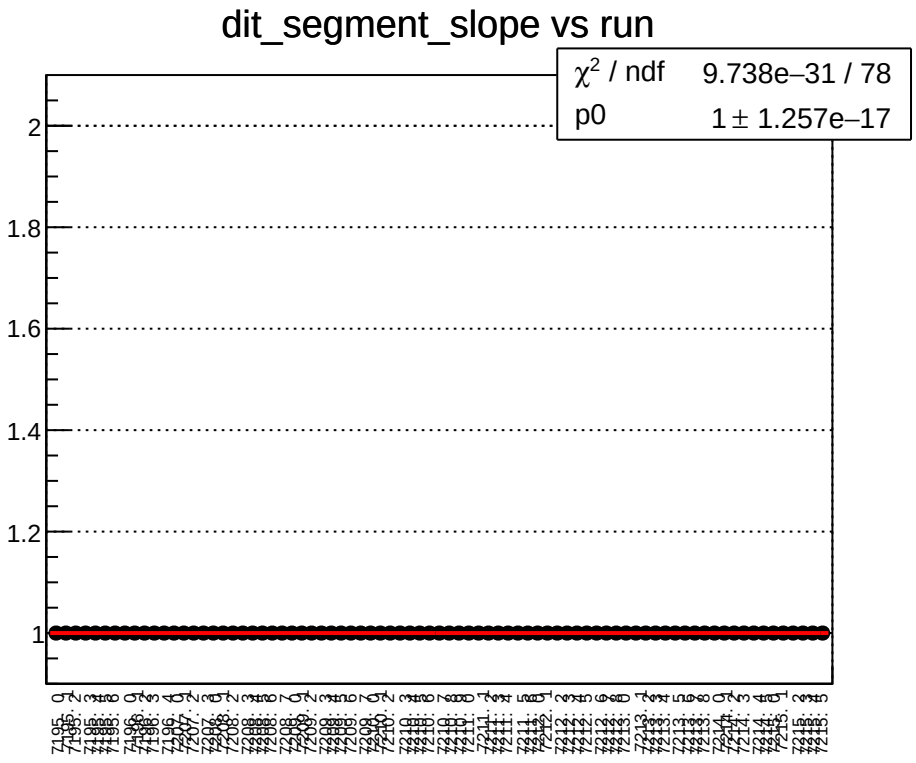


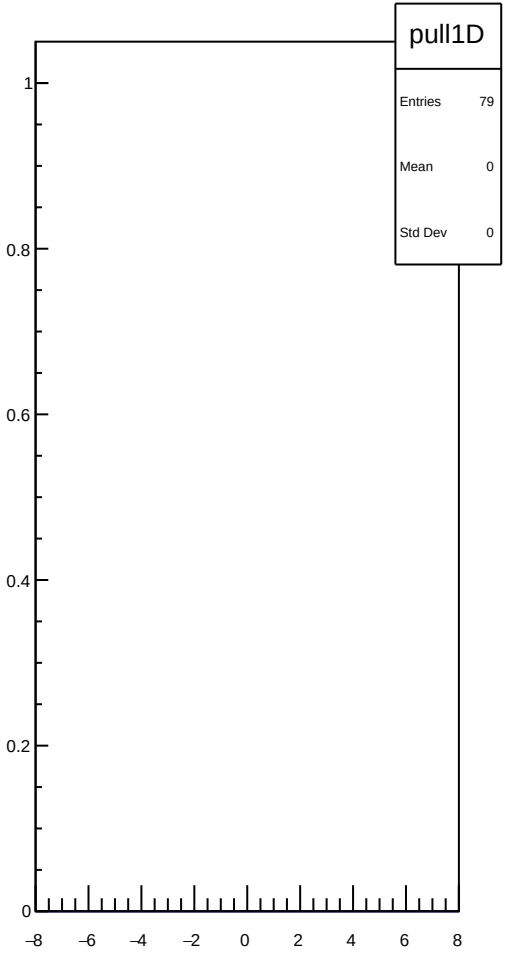

dit_flag_mean vs run
χ^2 / ndf 0 / 73
p0 1 ± 0.1162
2
1.8
1.6
1.4
1.2
1

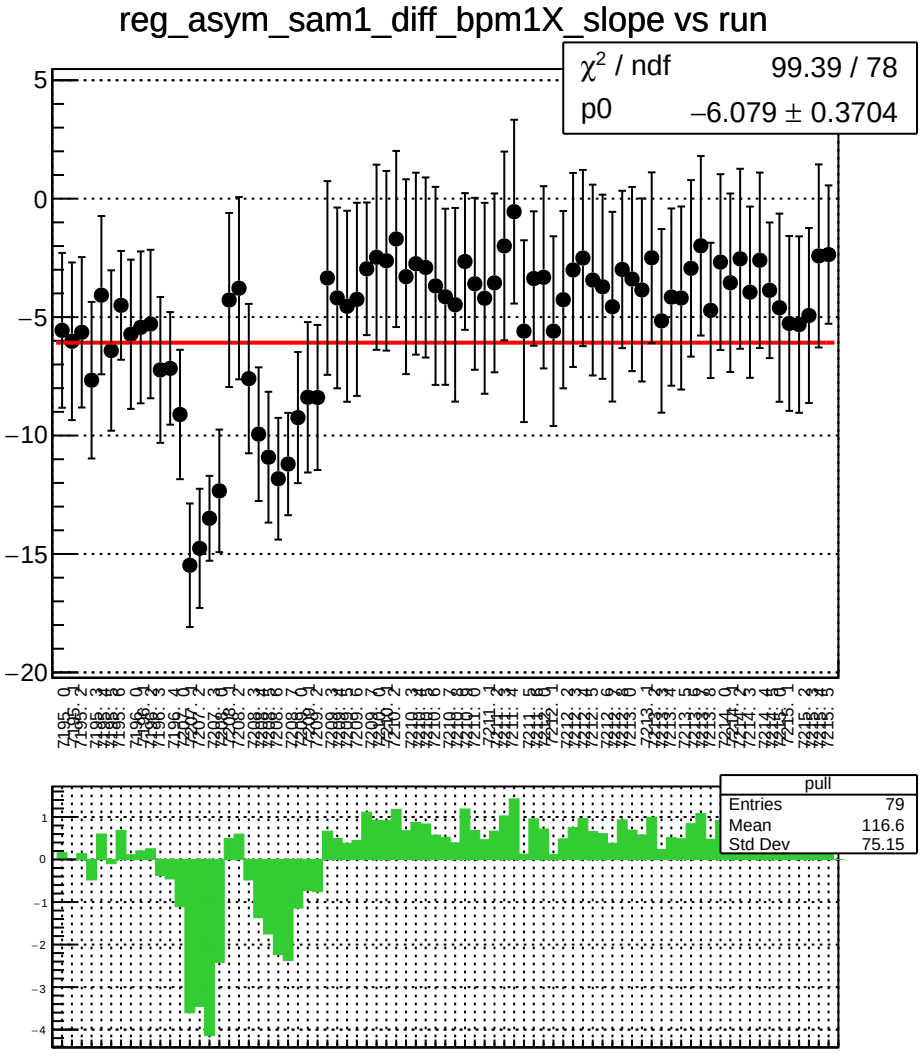

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

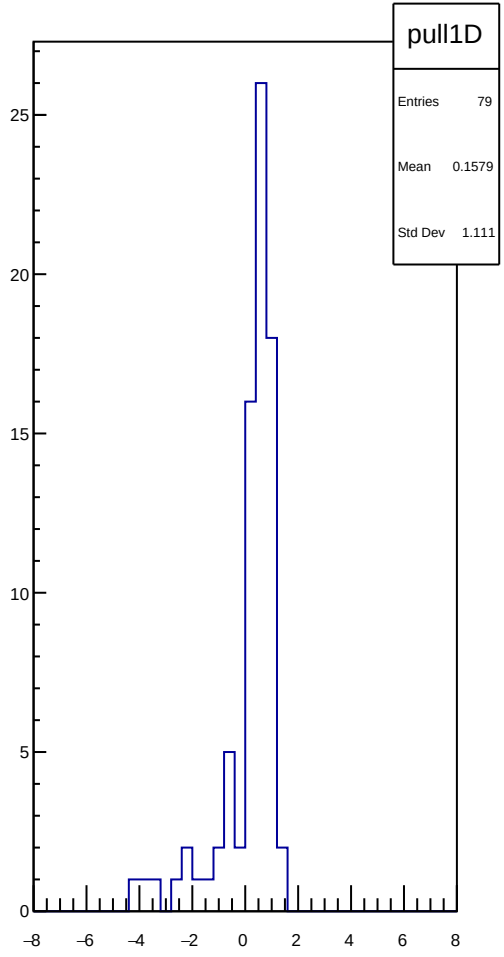
dit_flag_rms vs run

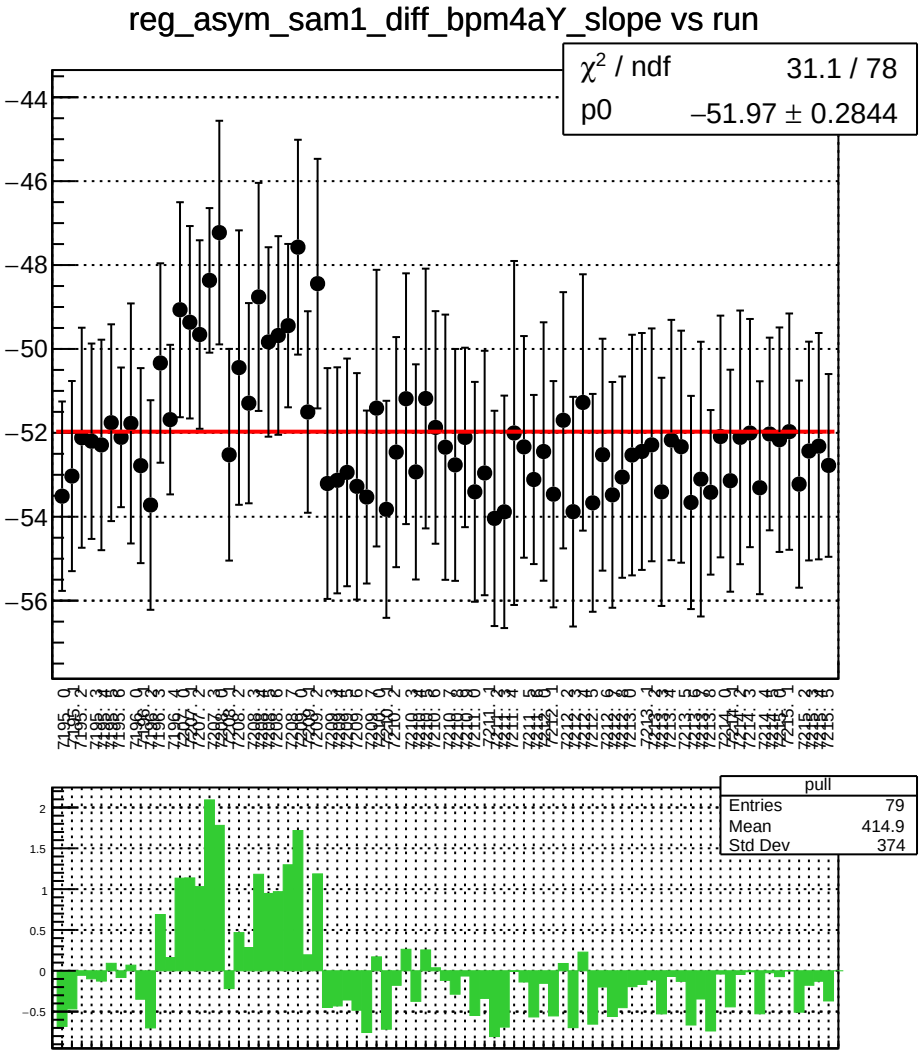


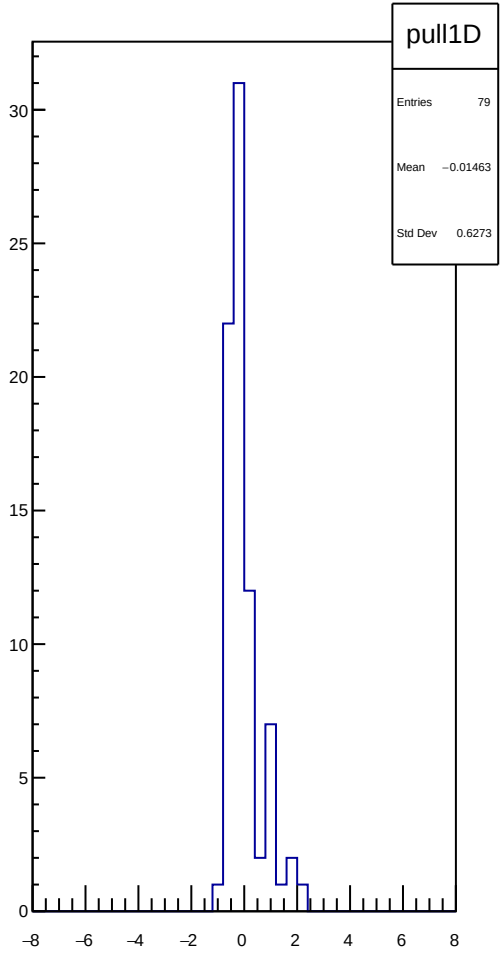

dit_segment_slope vs run
χ^2 / ndf 9.738e−31 / 78
p0 1 ± 1.257e−17
2
1.8
1.6
1.4
1.2
1

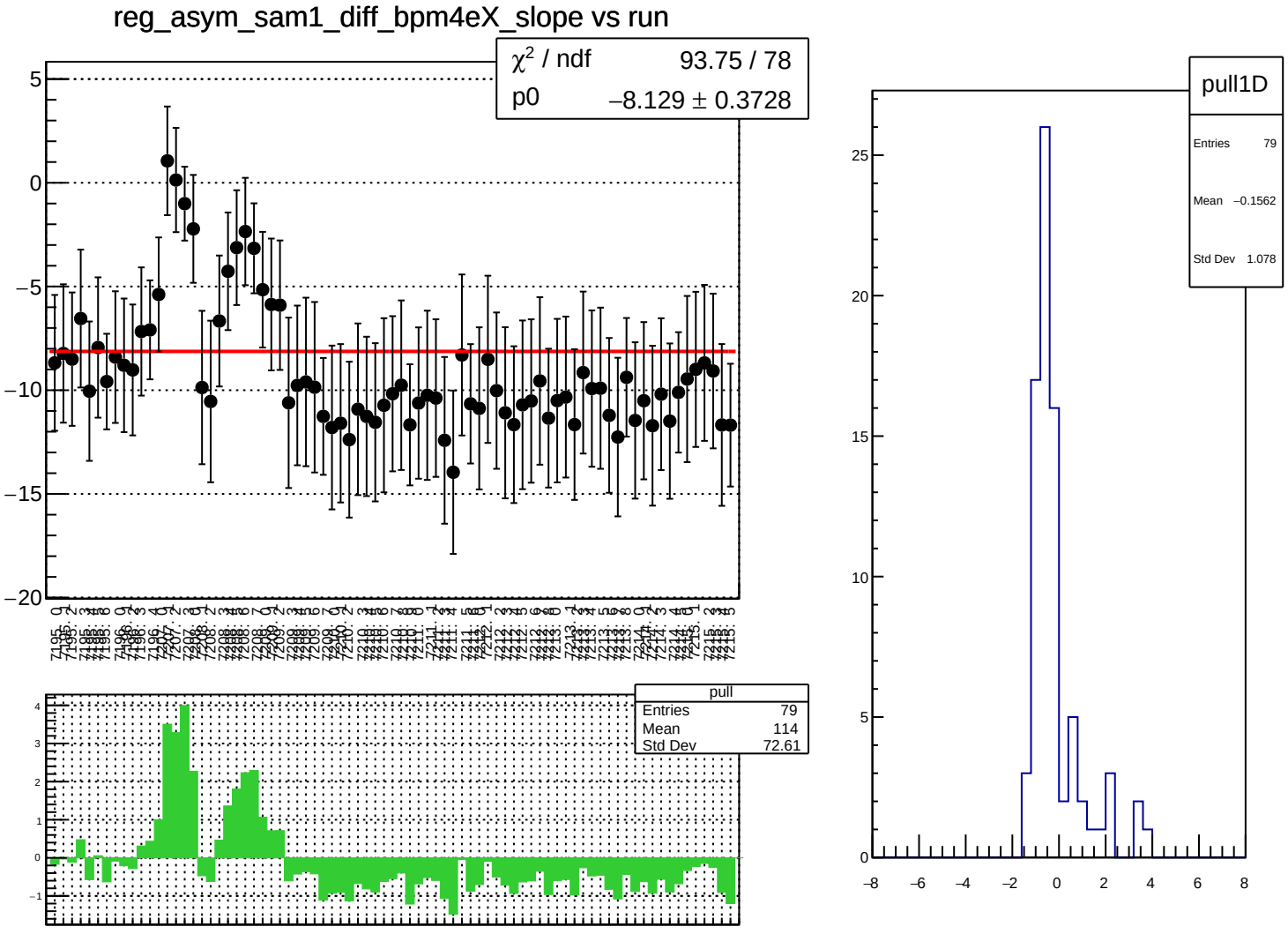

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

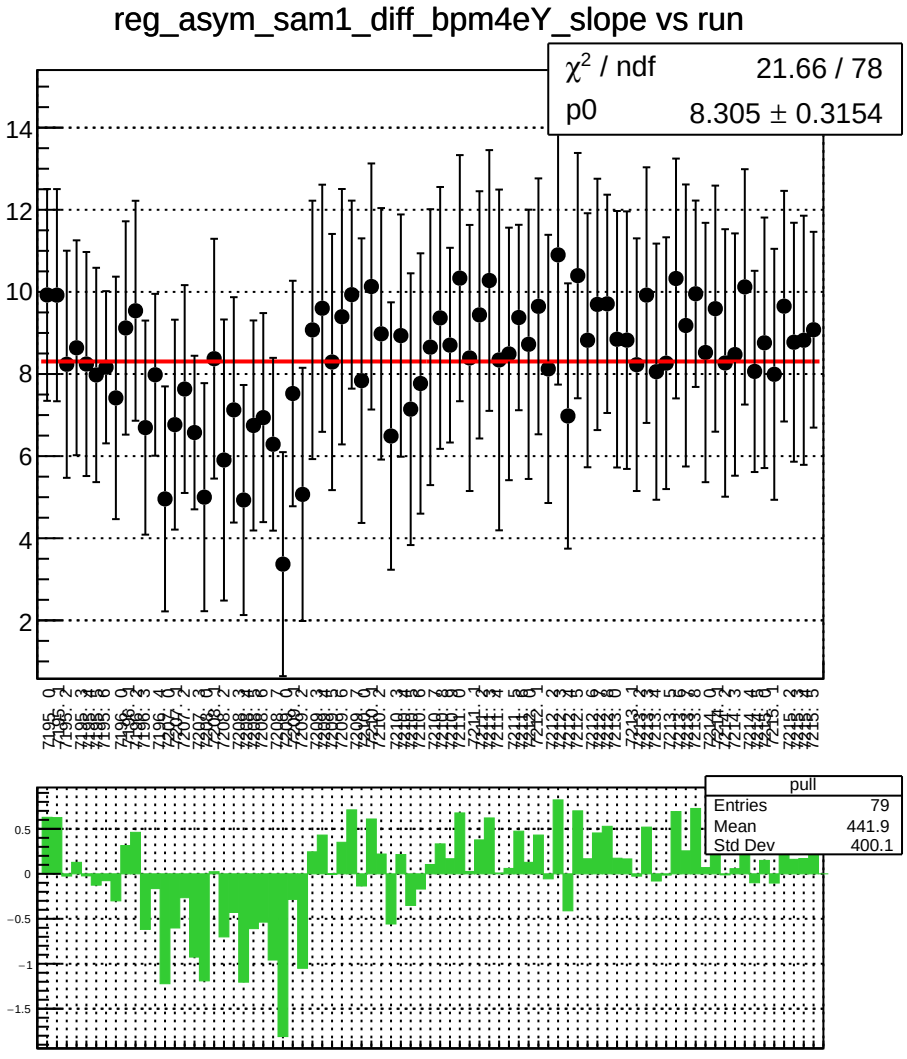

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 99.39 / 78
p0 −6.079 ± 0.3704
pull
Entries 79
Mean 116.6
Std Dev 75.15

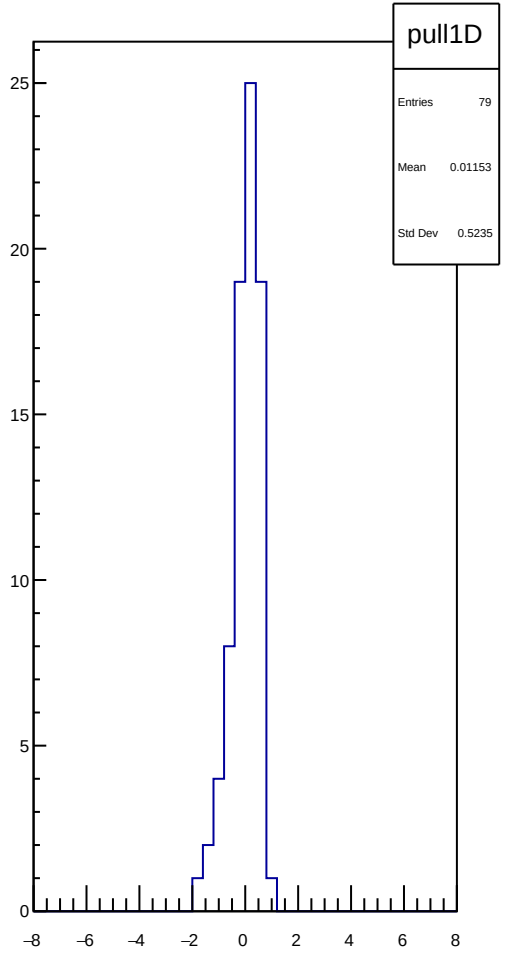

pull1D
Entries 79
Mean 0.1579
Std Dev 1.111

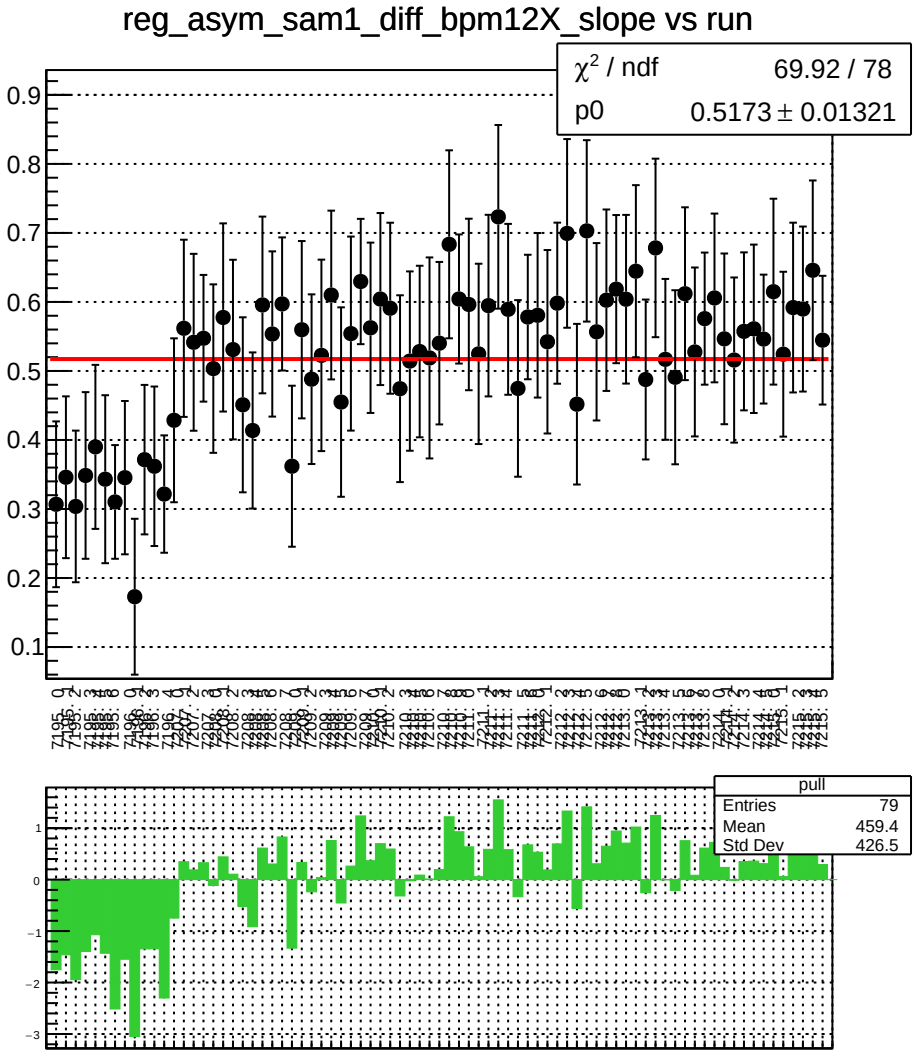

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 31.1 / 78
p0 −51.97 ± 0.2844
pull
Entries 79
Mean 414.9
Std Dev 374

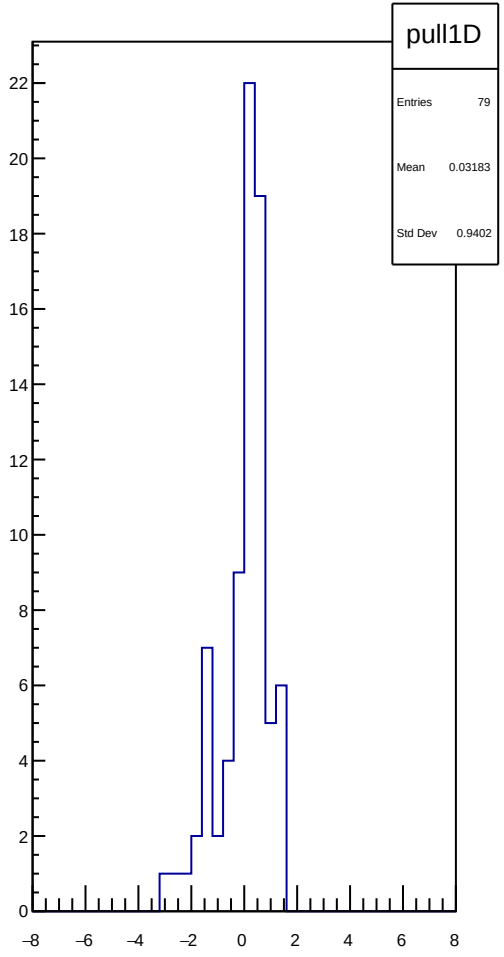

pull1D
Entries 79
Mean −0.01463
Std Dev 0.6273

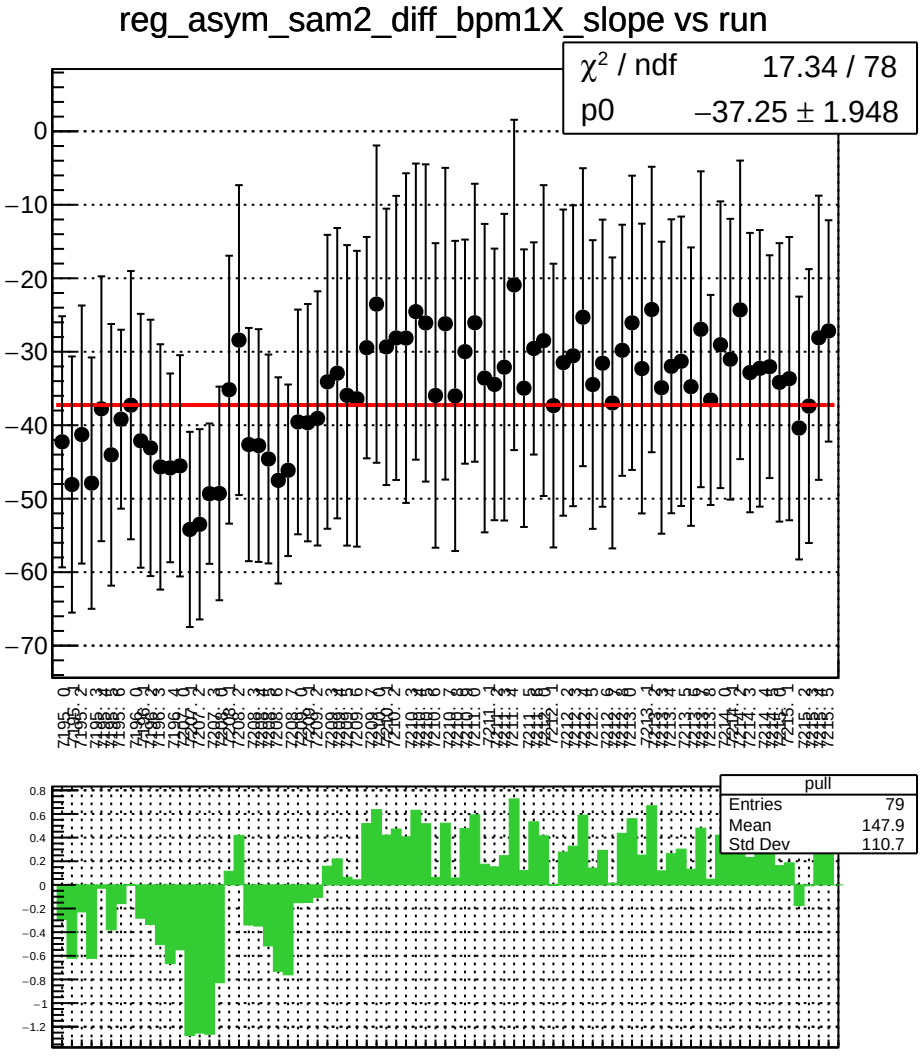

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 93.75 / 78
p0 −8.129 ± 0.3728
pull
Entries 79
Mean 114
Std Dev 72.61
pull1D
Entries 79
Mean −0.1562
Std Dev 1.078

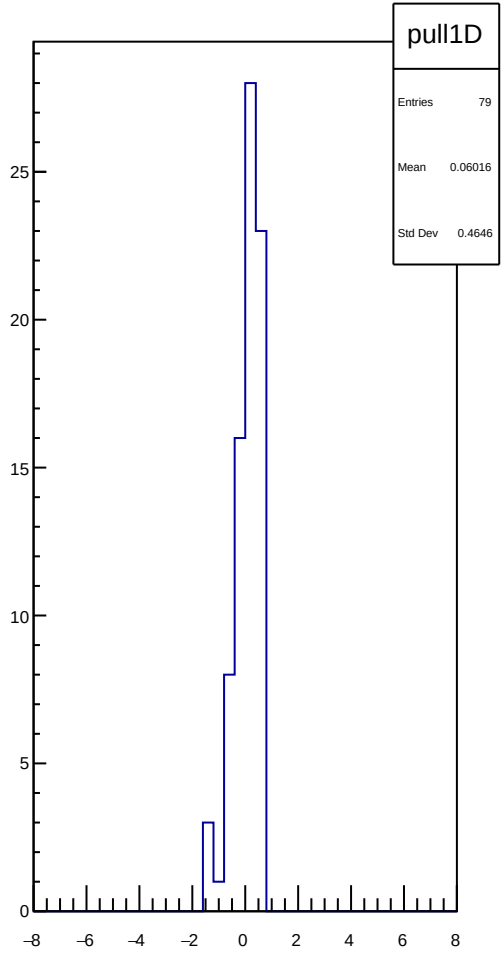

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 21.66 / 78
p0 8.305 ± 0.3154
pull
Entries 79
Mean 441.9
Std Dev 400.1

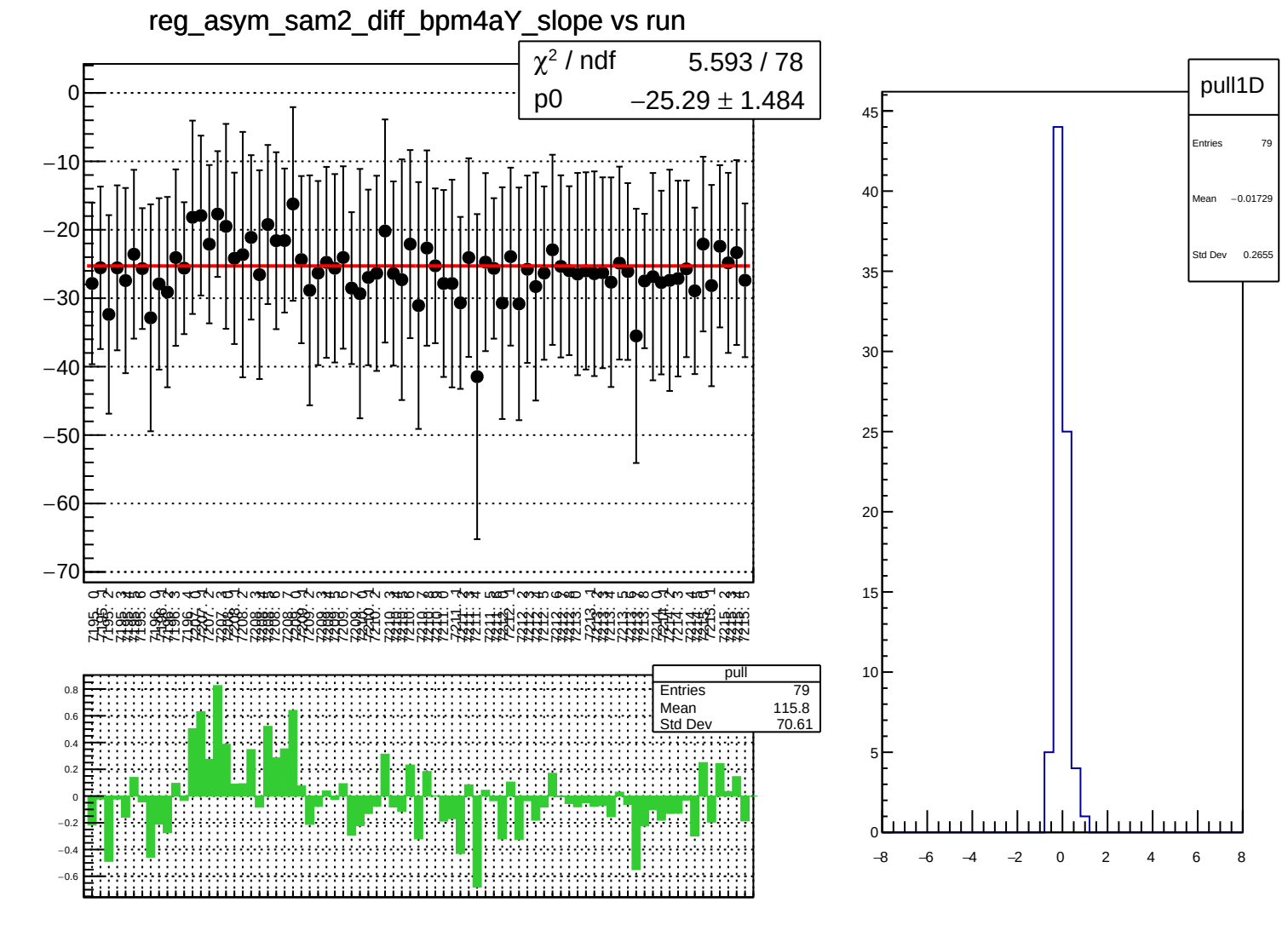

pull1D
Entries 79
Mean 0.01153
Std Dev 0.5235

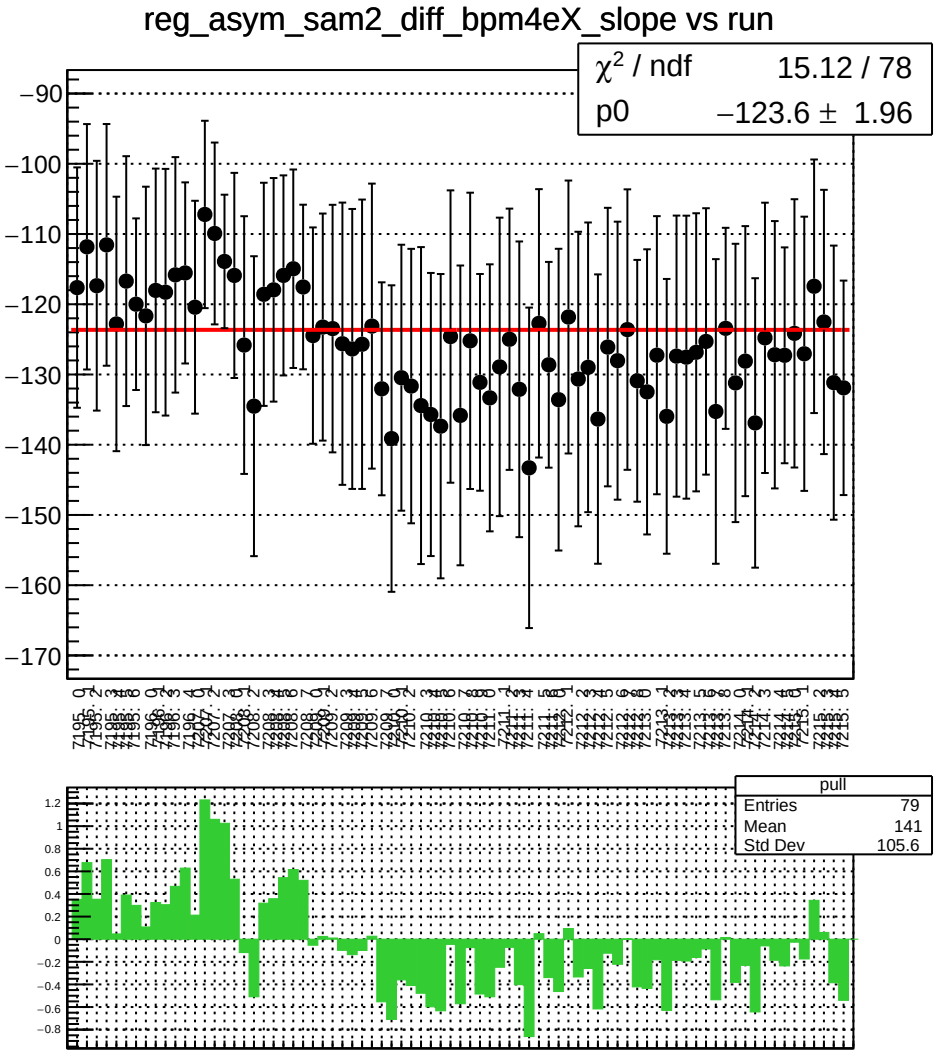

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 69.92 / 78
p0 0.5173 ± 0.01321
pull
Entries 79
Mean 459.4
Std Dev 426.5

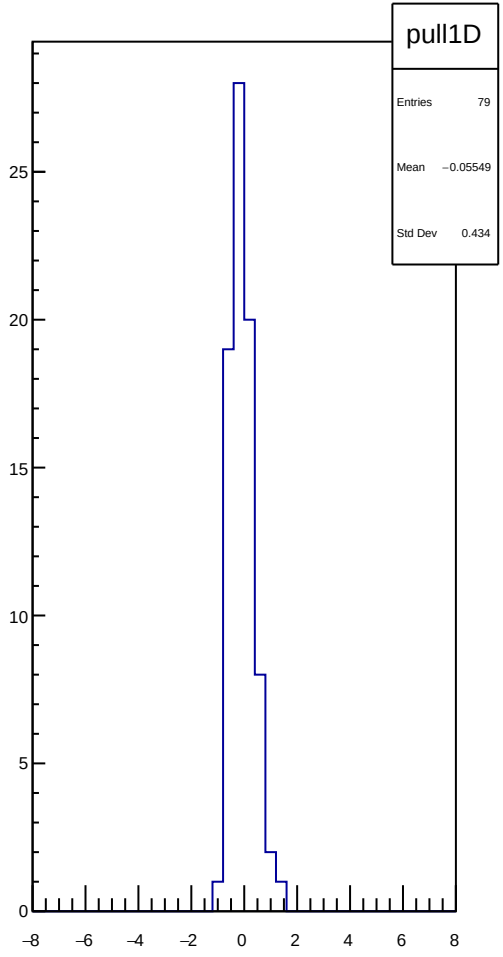

pull1D
Entries 79
Mean 0.03183
Std Dev 0.9402

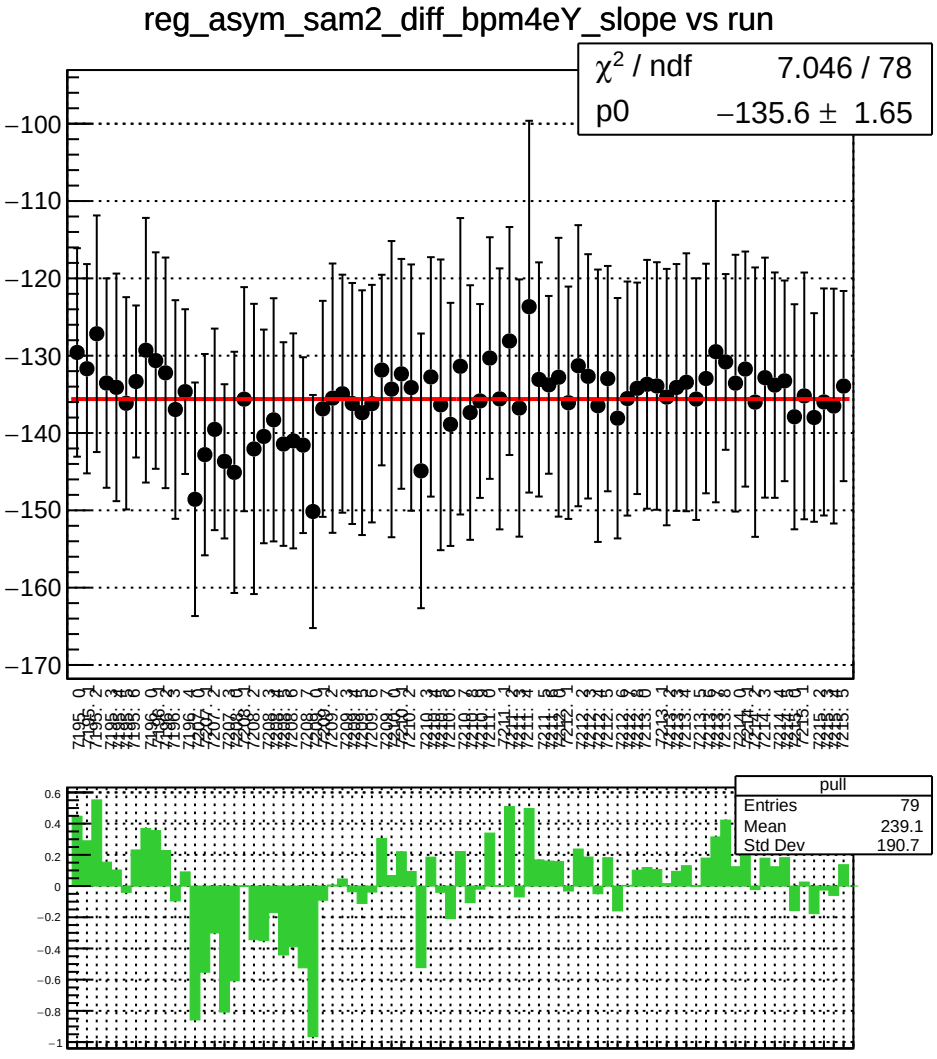

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 17.34 / 78
p0 −37.25 ± 1.948
pull
Entries 79
Mean 147.9
Std Dev 110.7

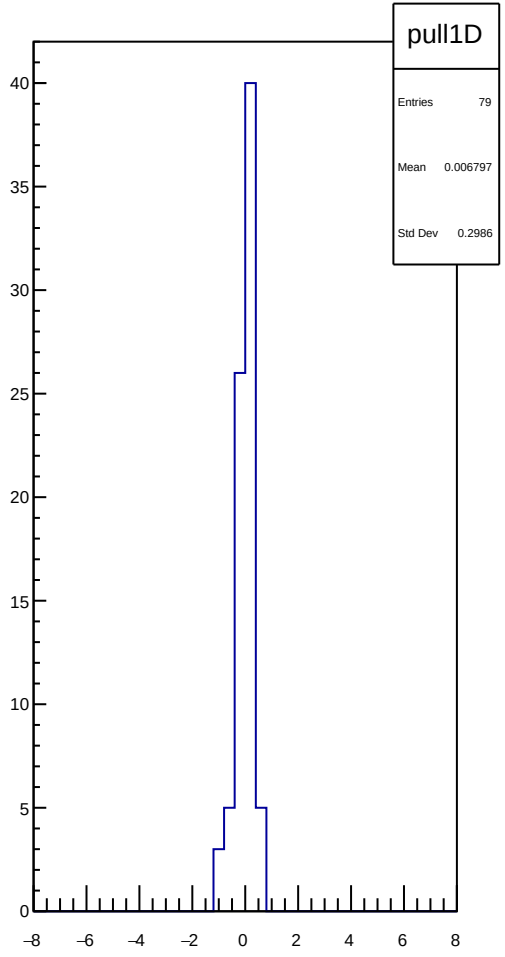

pull1D
Entries 79
Mean 0.06016
Std Dev 0.4646

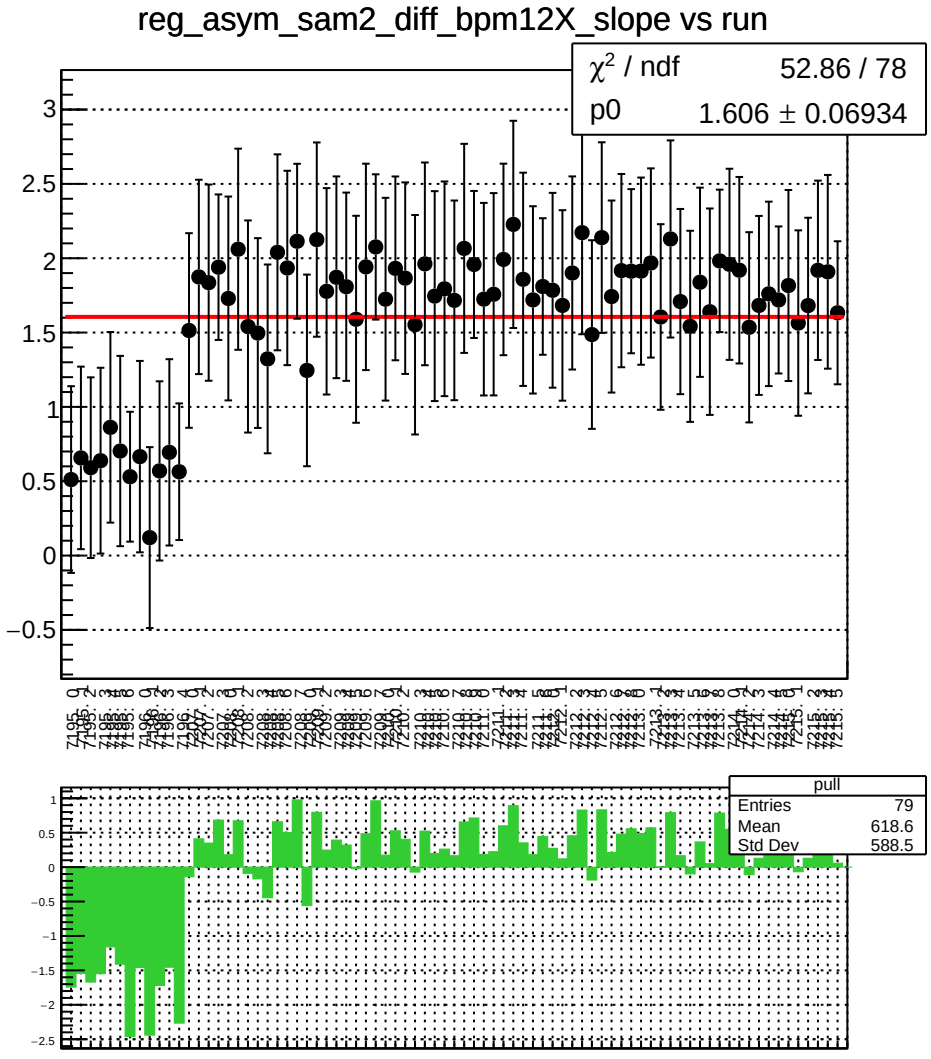

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.593 / 78
p0 −25.29 ± 1.484
pull
Entries 79
Mean 115.8
Std Dev 70.61
pull1D
Entries 79
Mean −0.01729
Std Dev 0.2655

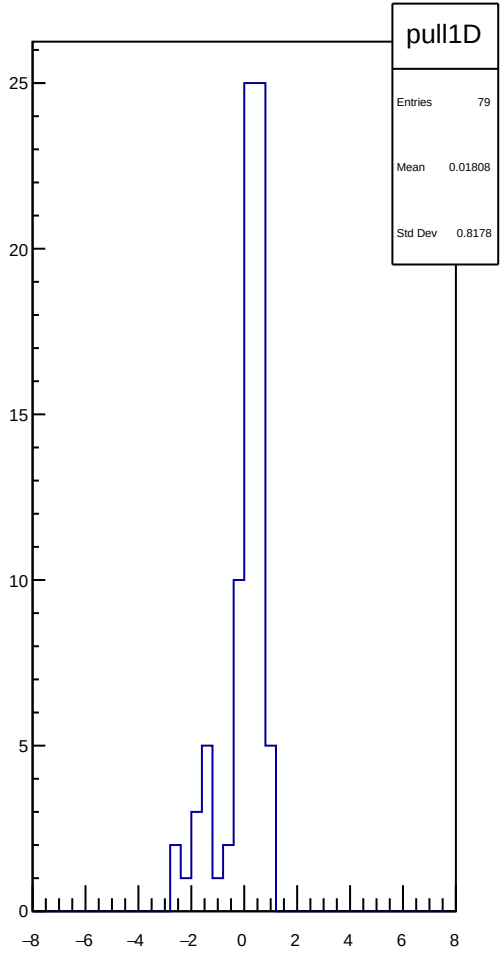

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 15.12 / 78
p0 −123.6 ± 1.96
pull
Entries 79
Mean 141
Std Dev 105.6

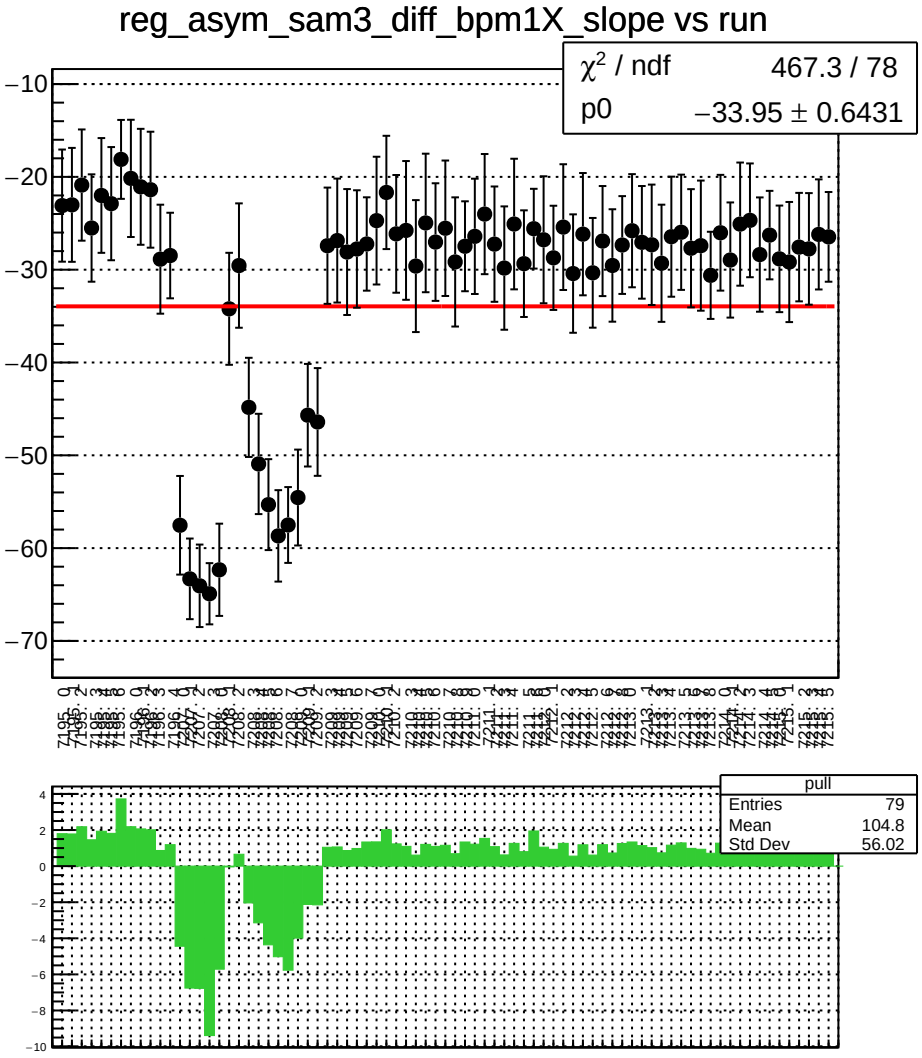

pull1D
Entries 79
Mean −0.05549
Std Dev 0.434

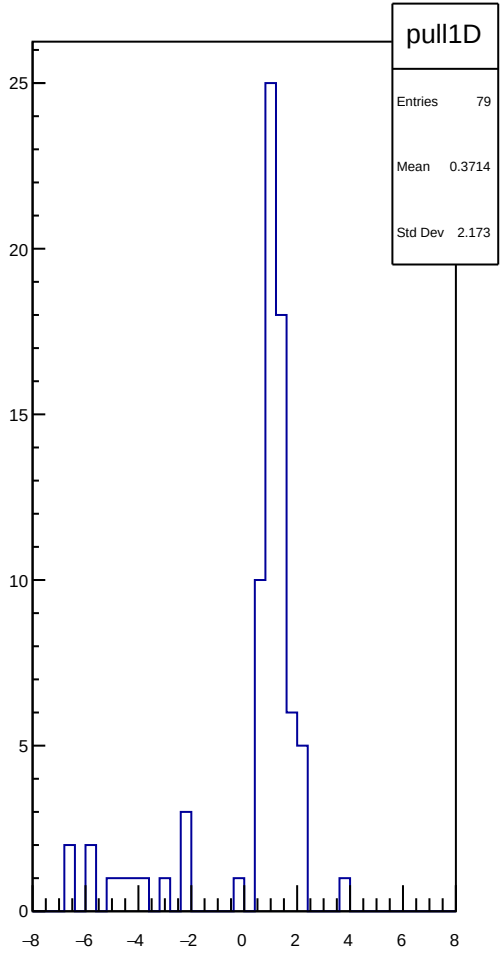

reg_asym_sam2_diff_bpm4eY_slope vs run
χ2 / ndf 7.046 / 78
p0 −135.6 ± 1.65
pull
Entries 79
Mean 239.1
Std Dev 190.7

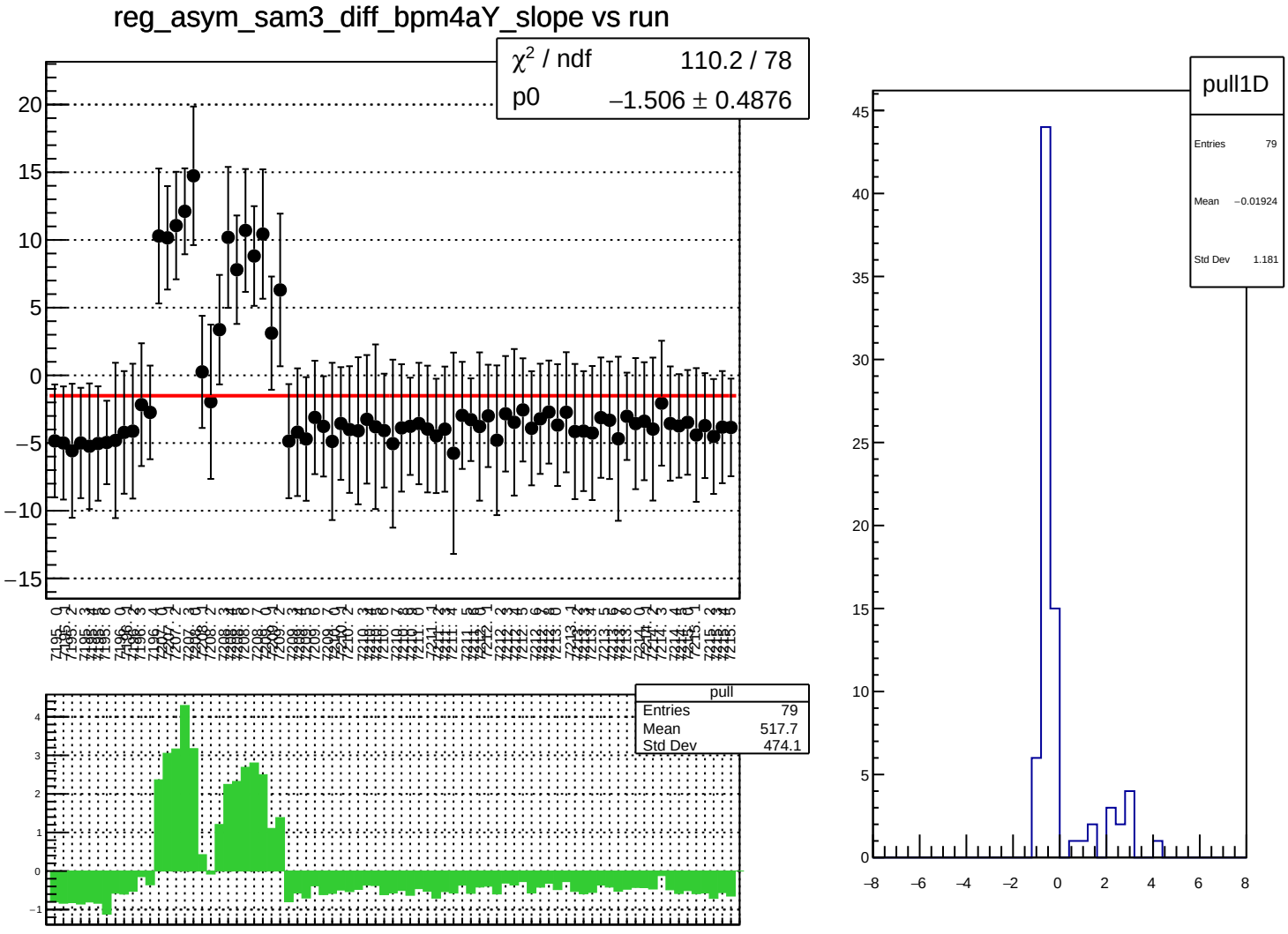

pull1D
Entries 79
Mean 0.006797
Std Dev 0.2986

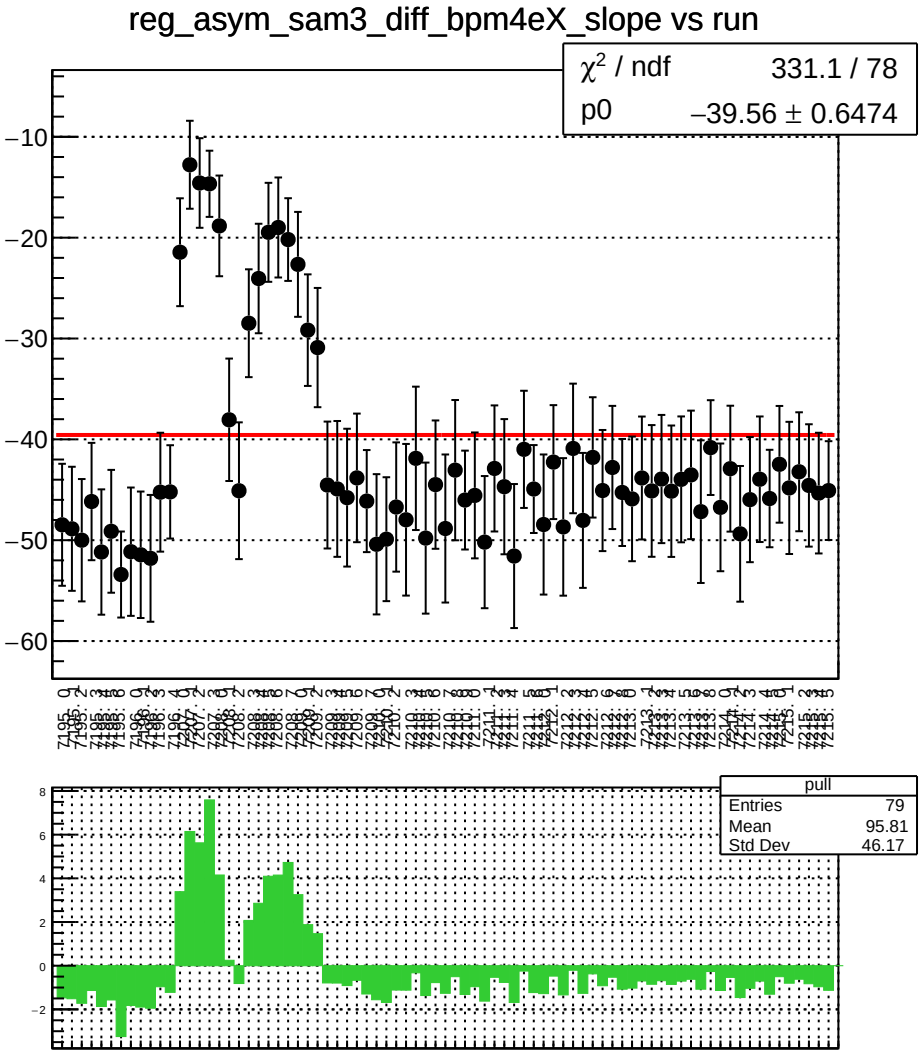

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 52.86 / 78
p0 1.606 ± 0.06934
pull
Entries 79
Mean 618.6
Std Dev 588.5

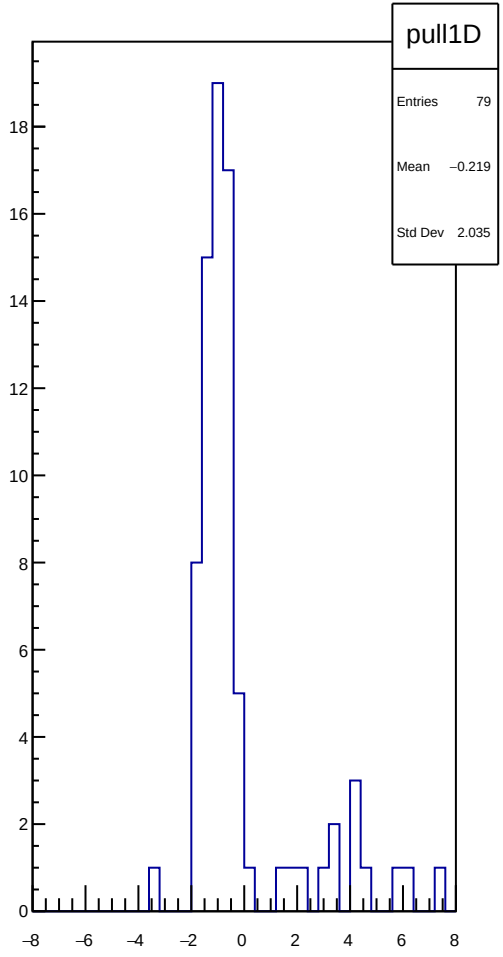

pull1D
Entries 79
Mean 0.01808
Std Dev 0.8178

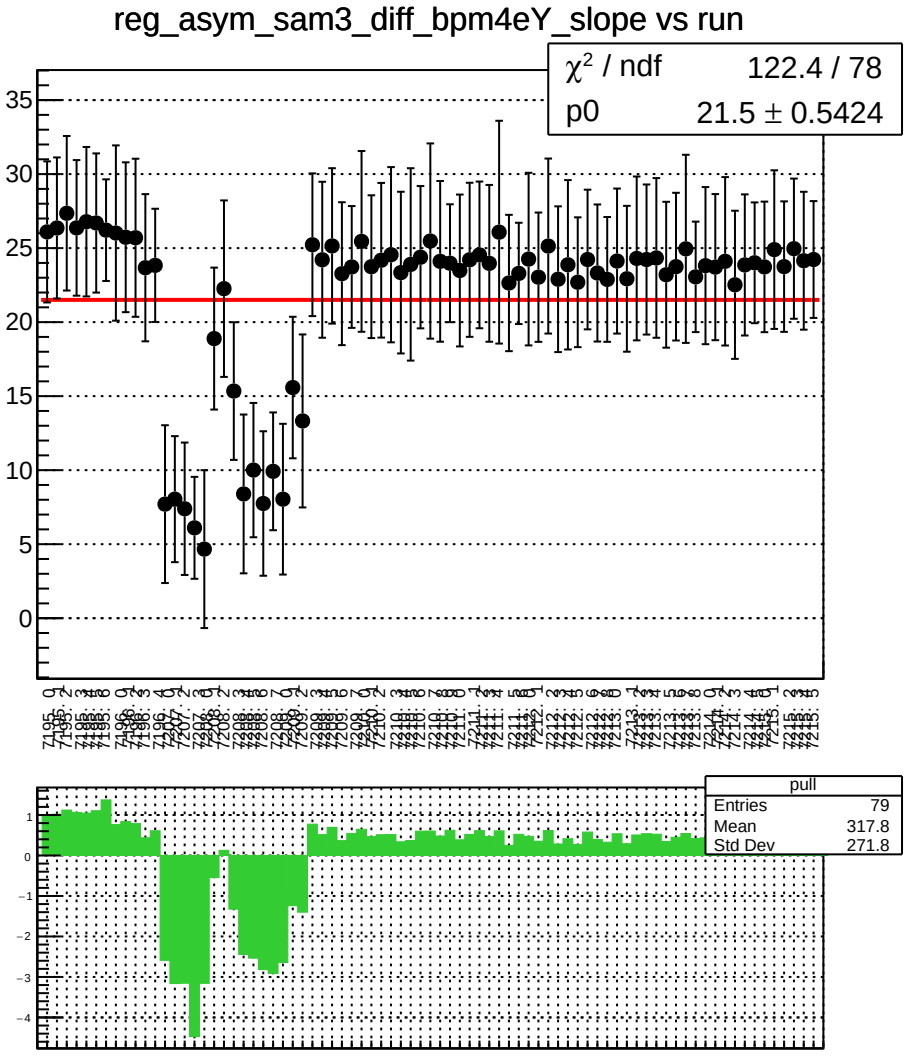

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 467.3 / 78
p0 −33.95 ± 0.6431
pull
Entries 79
Mean 104.8
Std Dev 56.02

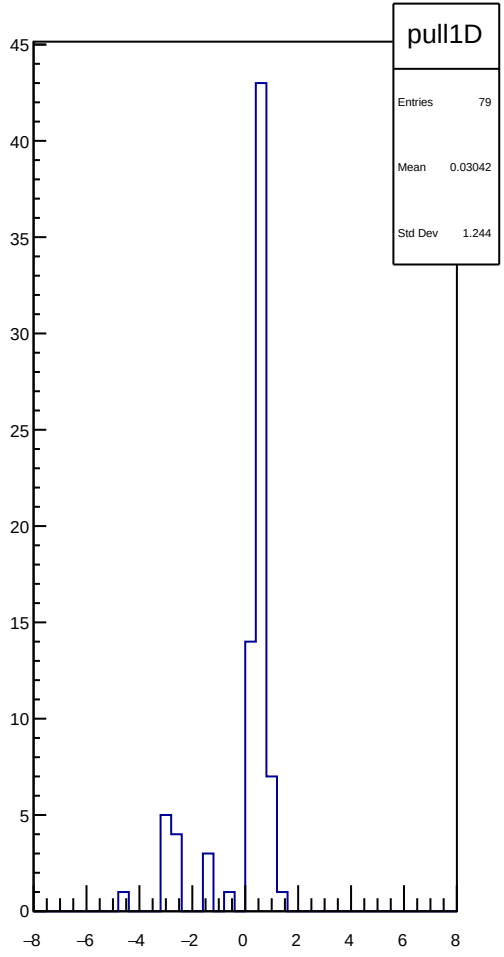

pull1D
Entries 79
Mean 0.3714
Std Dev 2.173

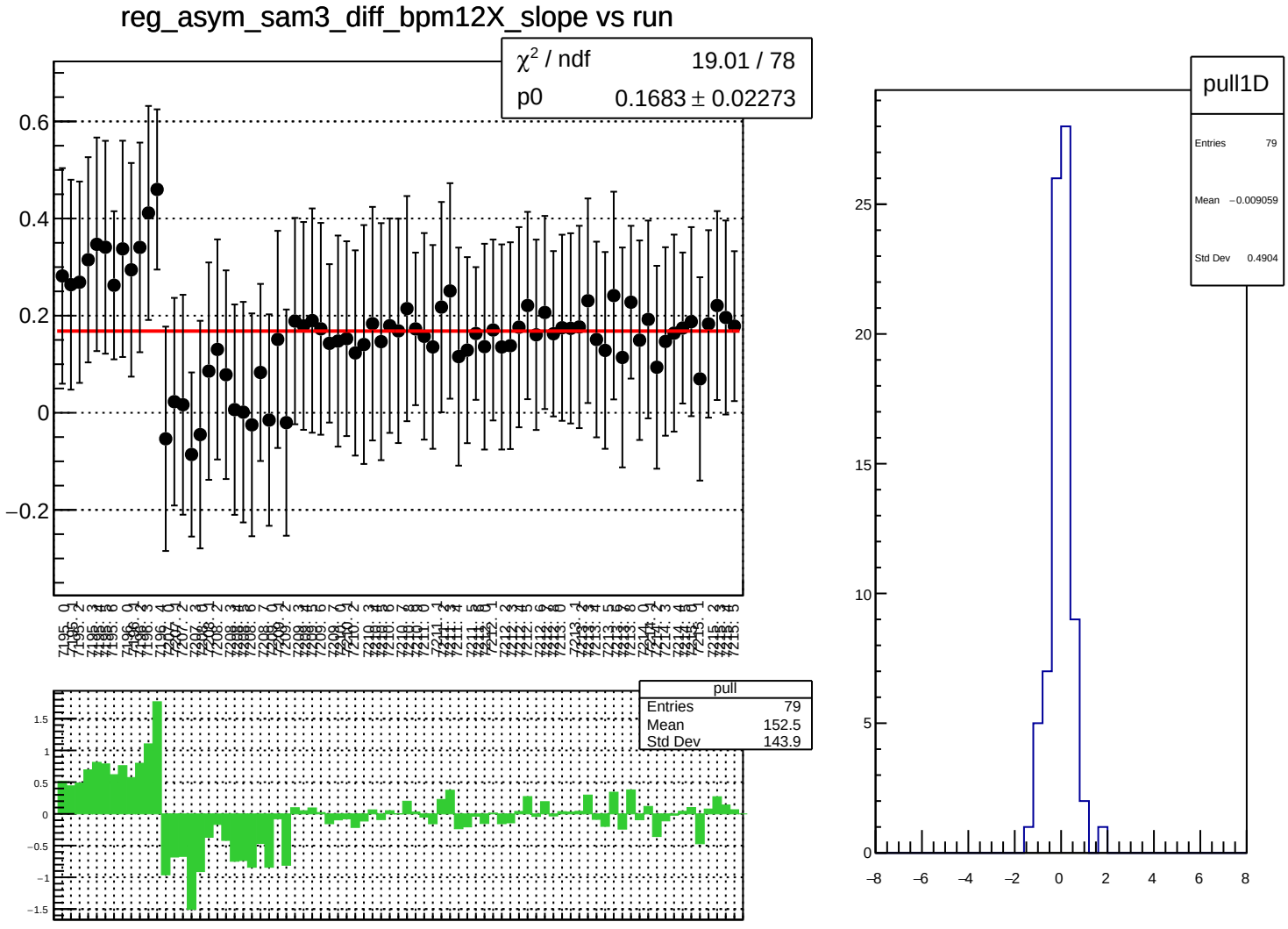

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 110.2 / 78
p0 −1.506 ± 0.4876
pull
Entries 79
Mean 517.7
Std Dev 474.1
pull1D
Entries 79
Mean −0.01924
Std Dev 1.181

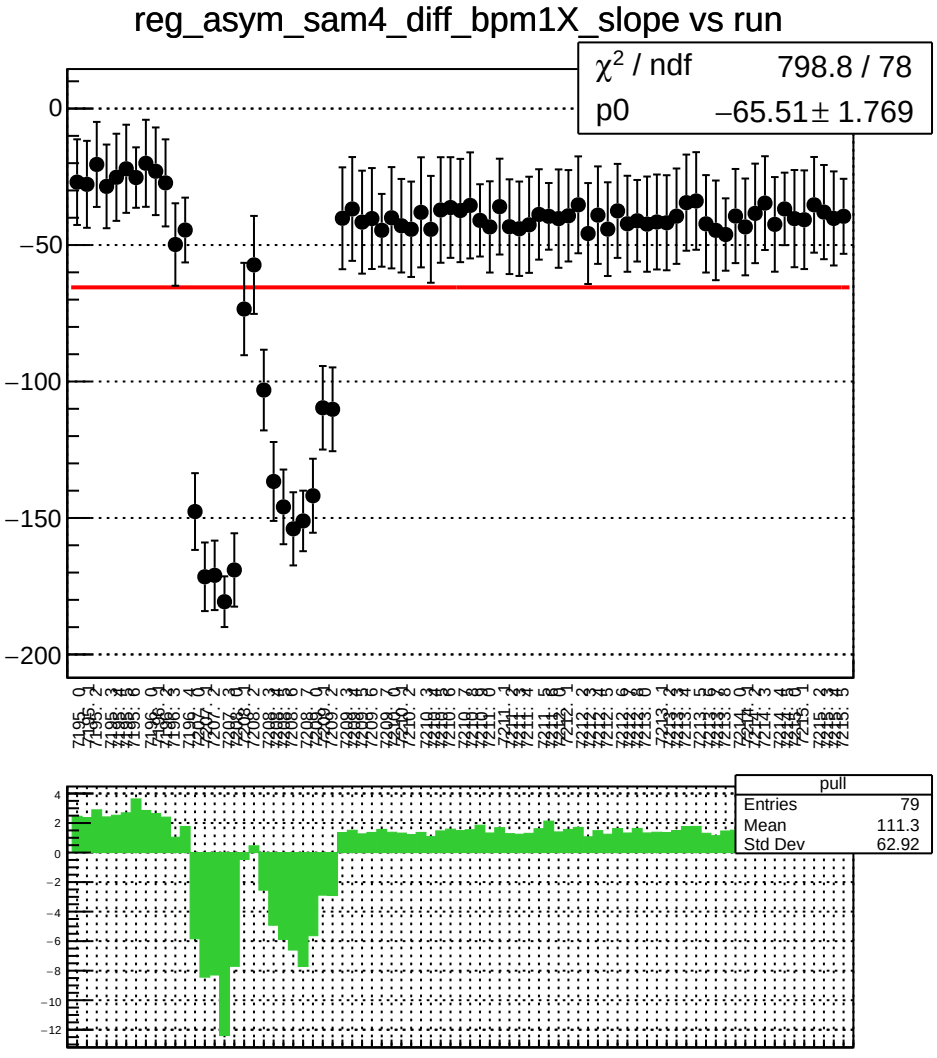

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 331.1 / 78
p0 −39.56 ± 0.6474
pull
Entries 79
Mean 95.81
Std Dev 46.17

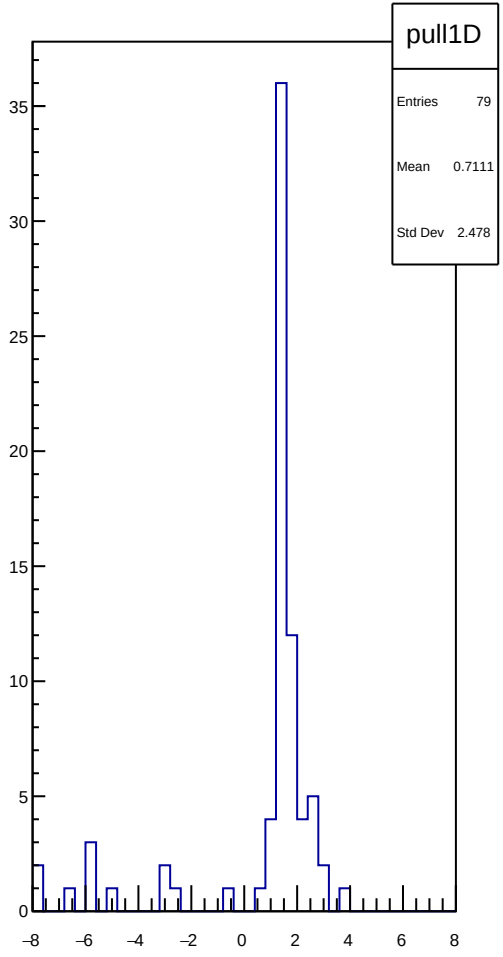

pull1D
Entries 79
Mean −0.219
Std Dev 2.035

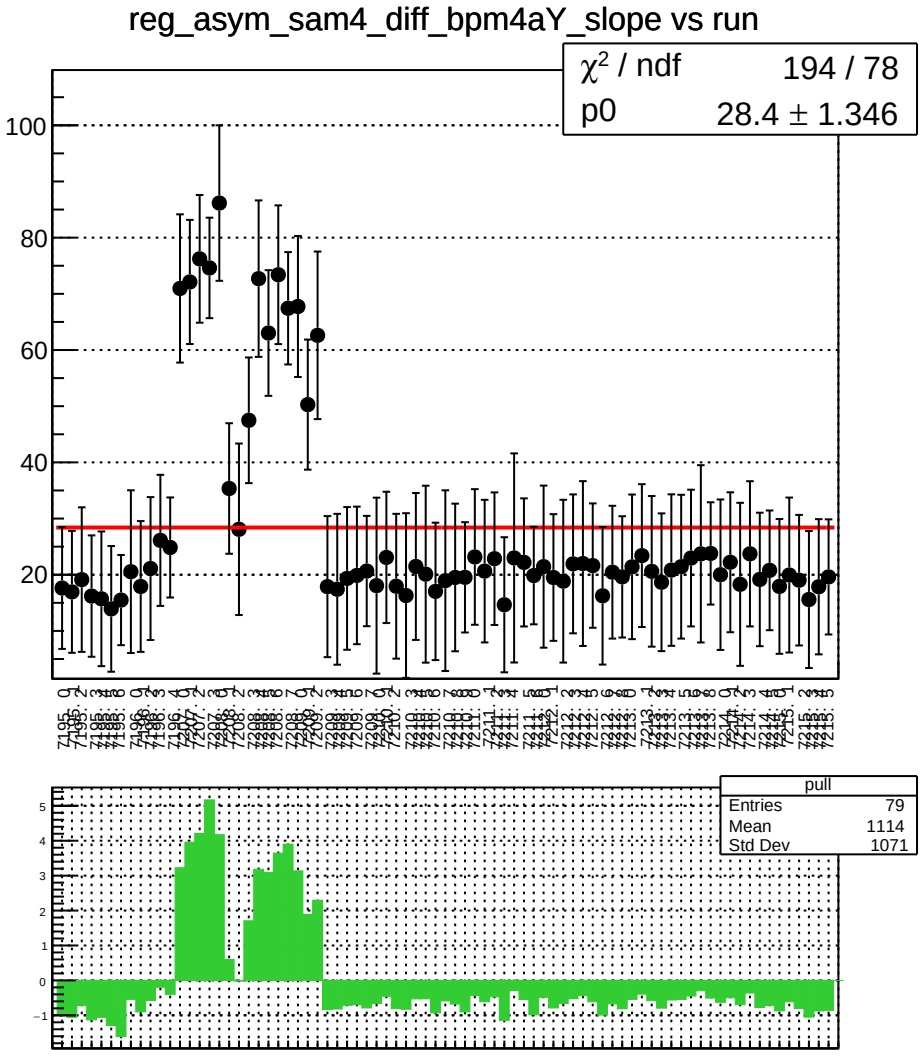

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 122.4 / 78
p0 21.5 ± 0.5424
pull
Entries 79
Mean 317.8
Std Dev 271.8

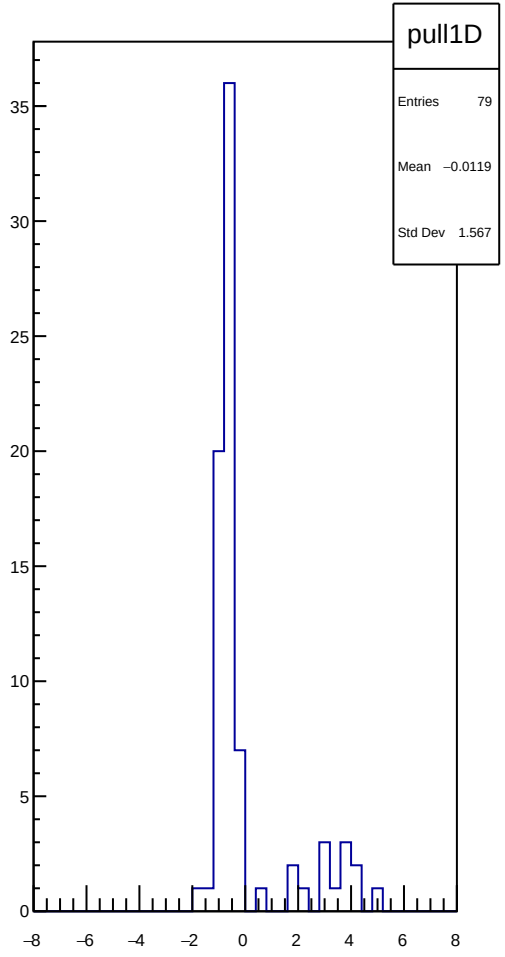

pull1D
Entries 79
Mean 0.03042
Std Dev 1.244

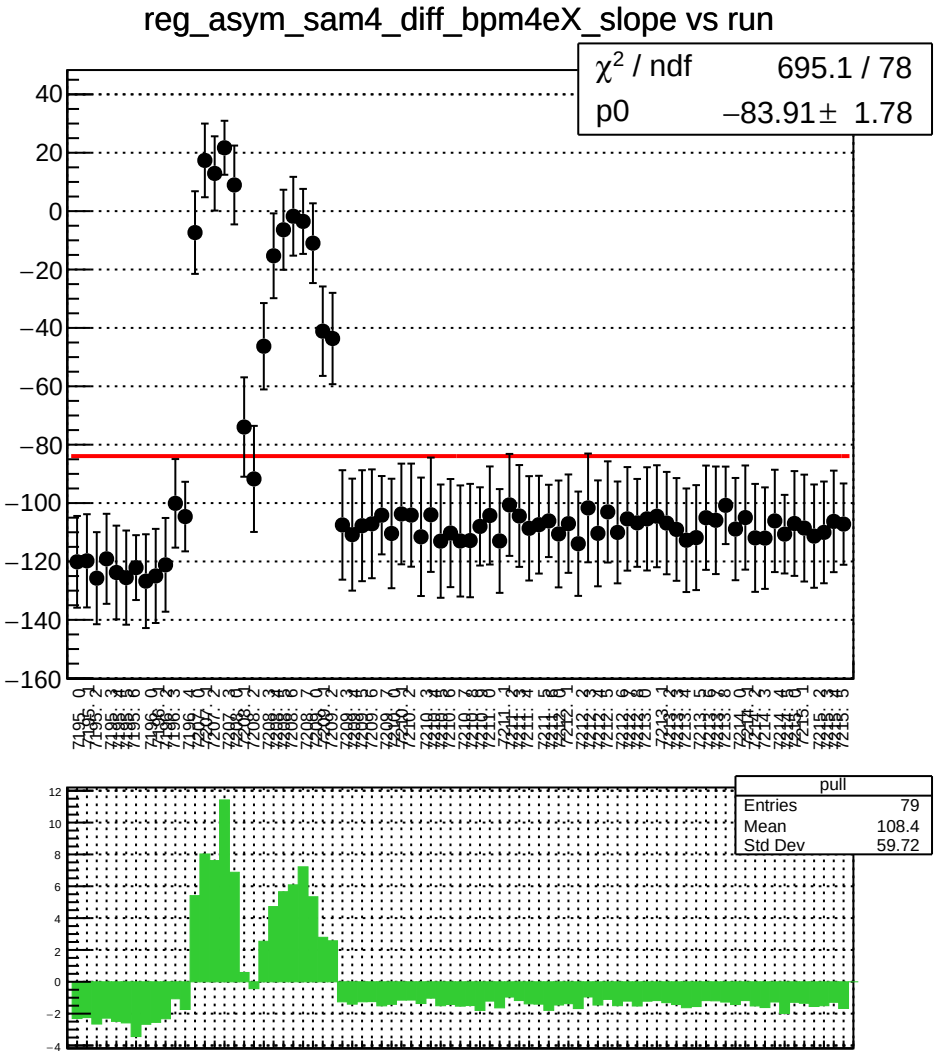

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 19.01 / 78
p0 0.1683 ± 0.02273
pull
Entries 79
Mean 152.5
Std Dev 143.9
pull1D
Entries 79
Mean −0.009059
Std Dev 0.4904

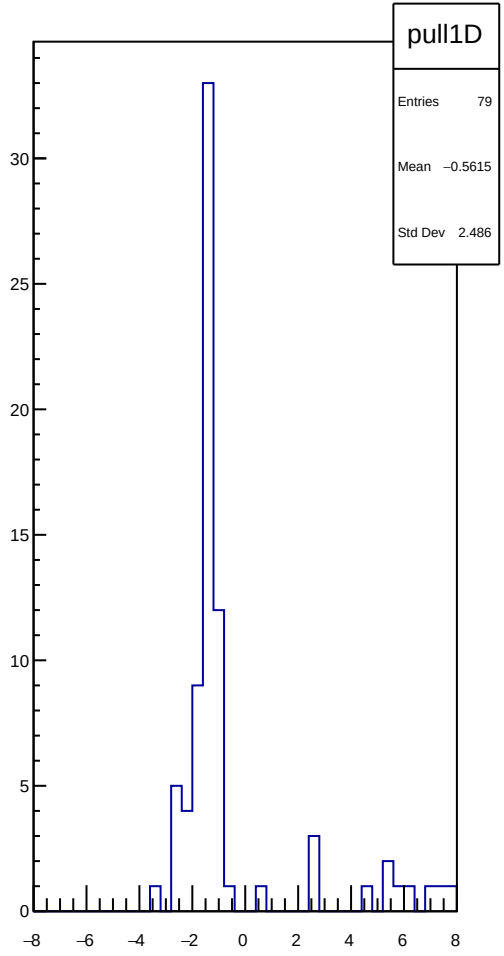

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 798.8 / 78
p0 −65.51 ± 1.769
pull
Entries 79
Mean 111.3
Std Dev 62.92

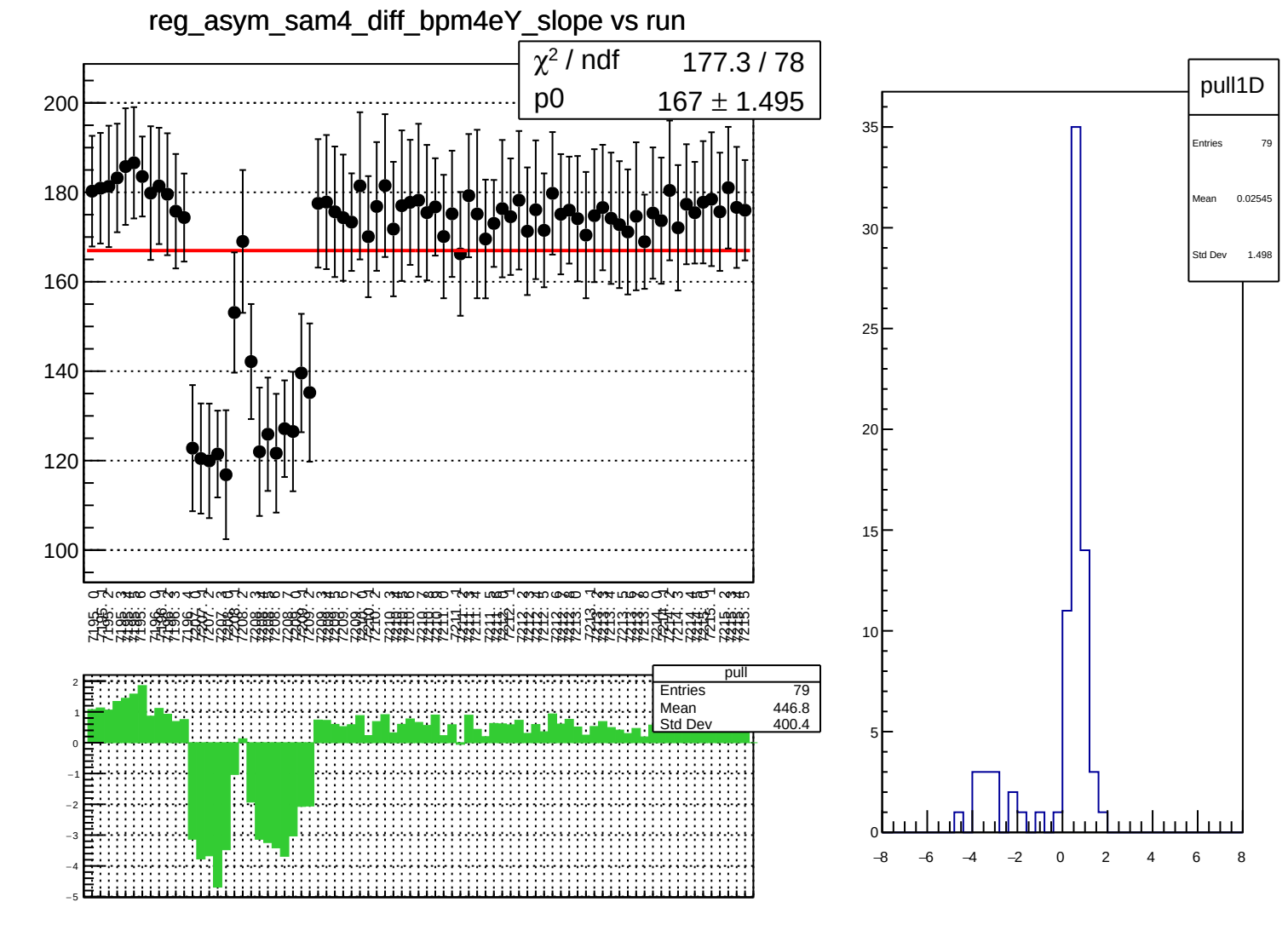

pull1D
Entries 79
Mean 0.7111
Std Dev 2.478

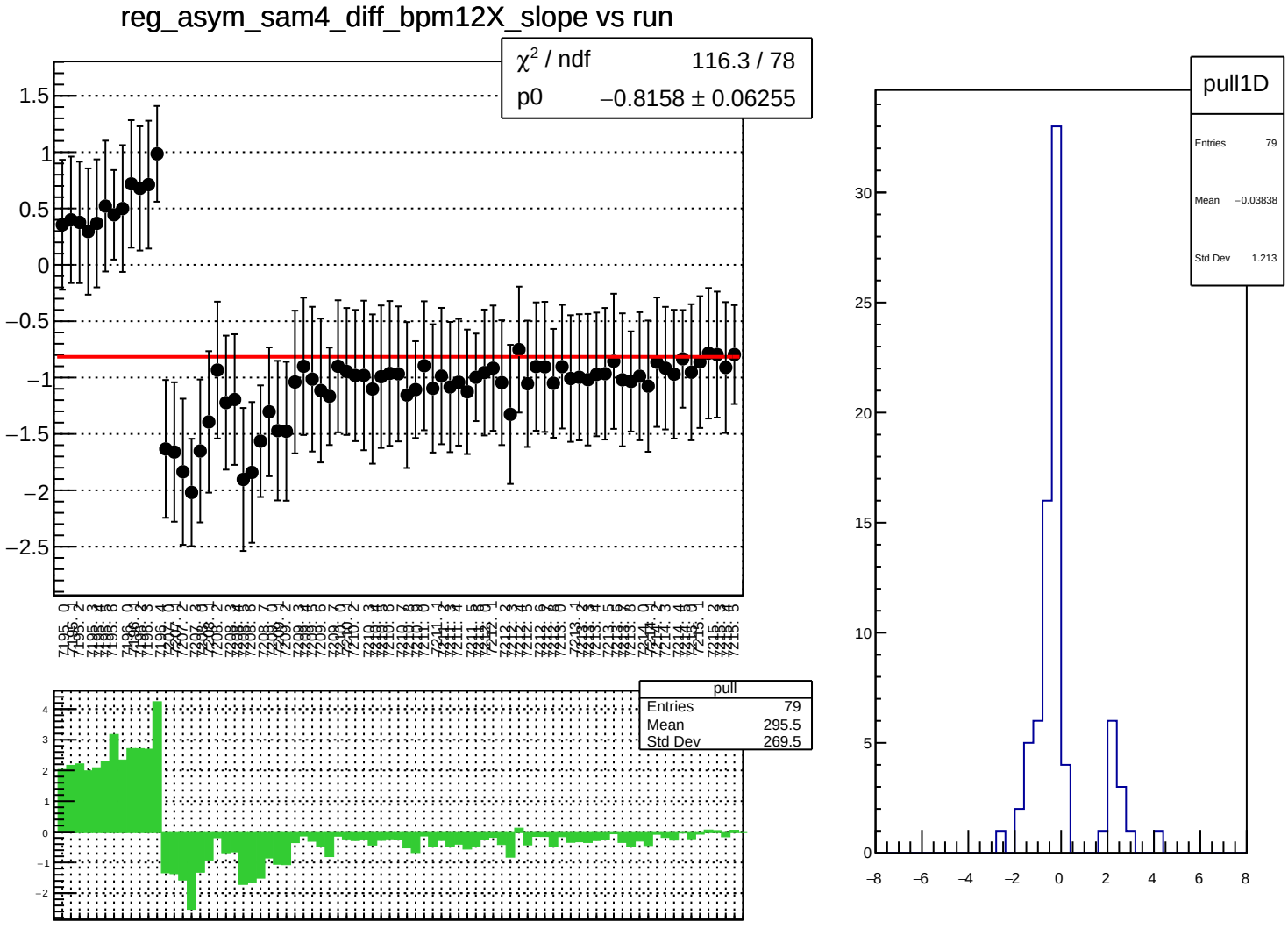

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 194 / 78
p0 28.4 ± 1.346
pull
Entries 79
Mean 1114
Std Dev 1071

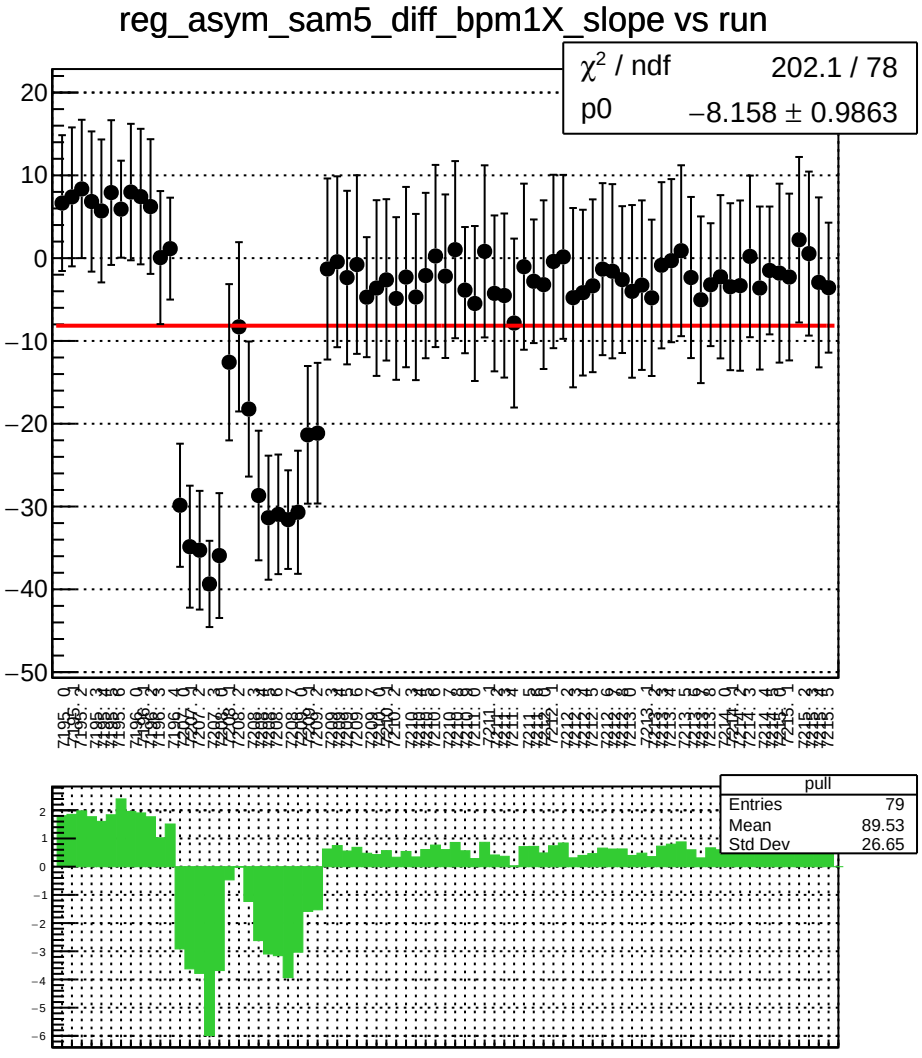

pull1D
Entries 79
Mean −0.0119
Std Dev 1.567

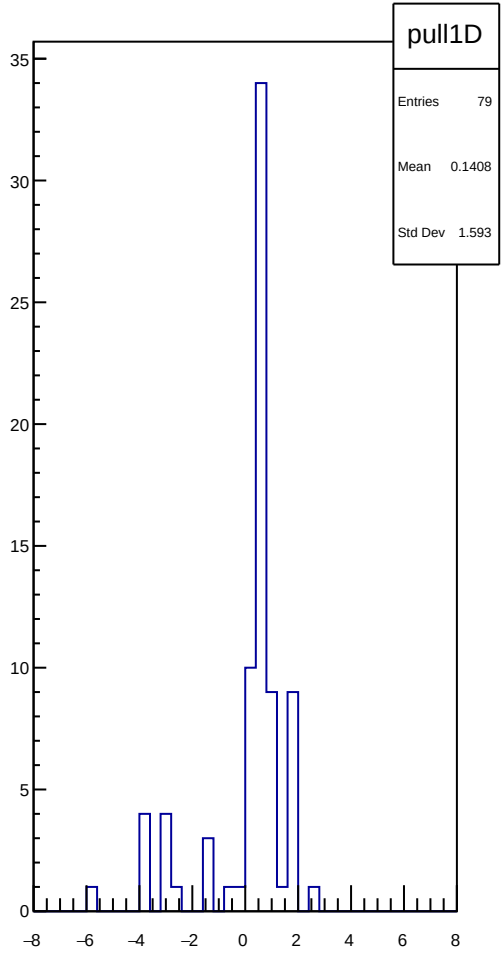

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 695.1 / 78
p0 −83.91 ± 1.78
pull
Entries 79
Mean 108.4
Std Dev 59.72

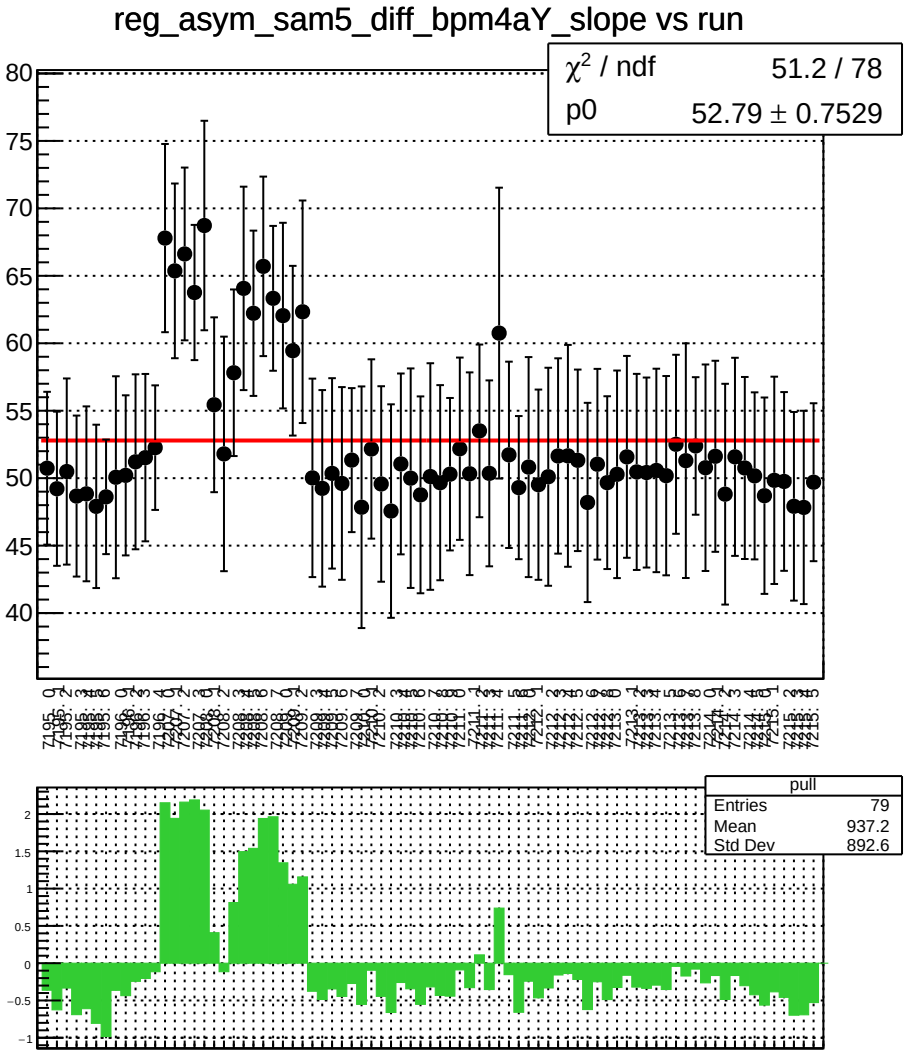

pull1D
Entries 79
Mean −0.5615
Std Dev 2.486

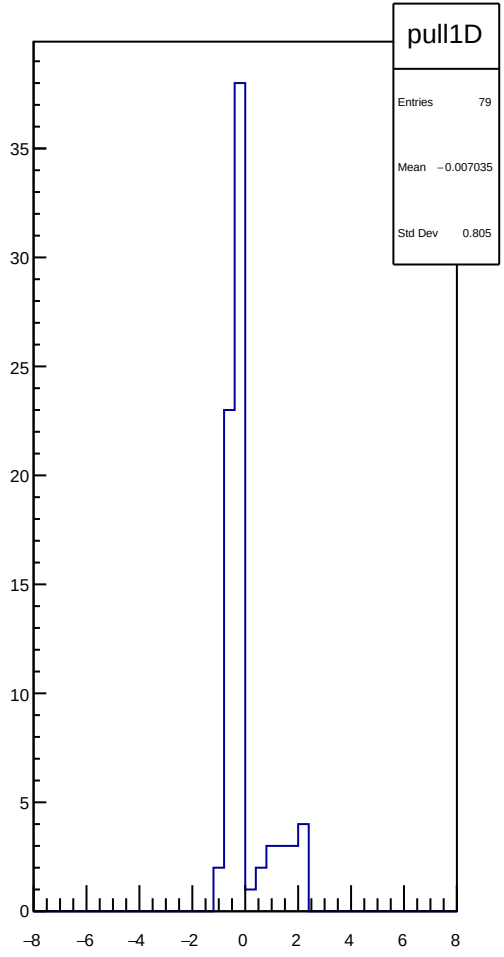

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 177.3 / 78
p0 167 ± 1.495
pull
Entries 79
Mean 446.8
Std Dev 400.4
pull1D
Entries 79
Mean 0.02545
Std Dev 1.498

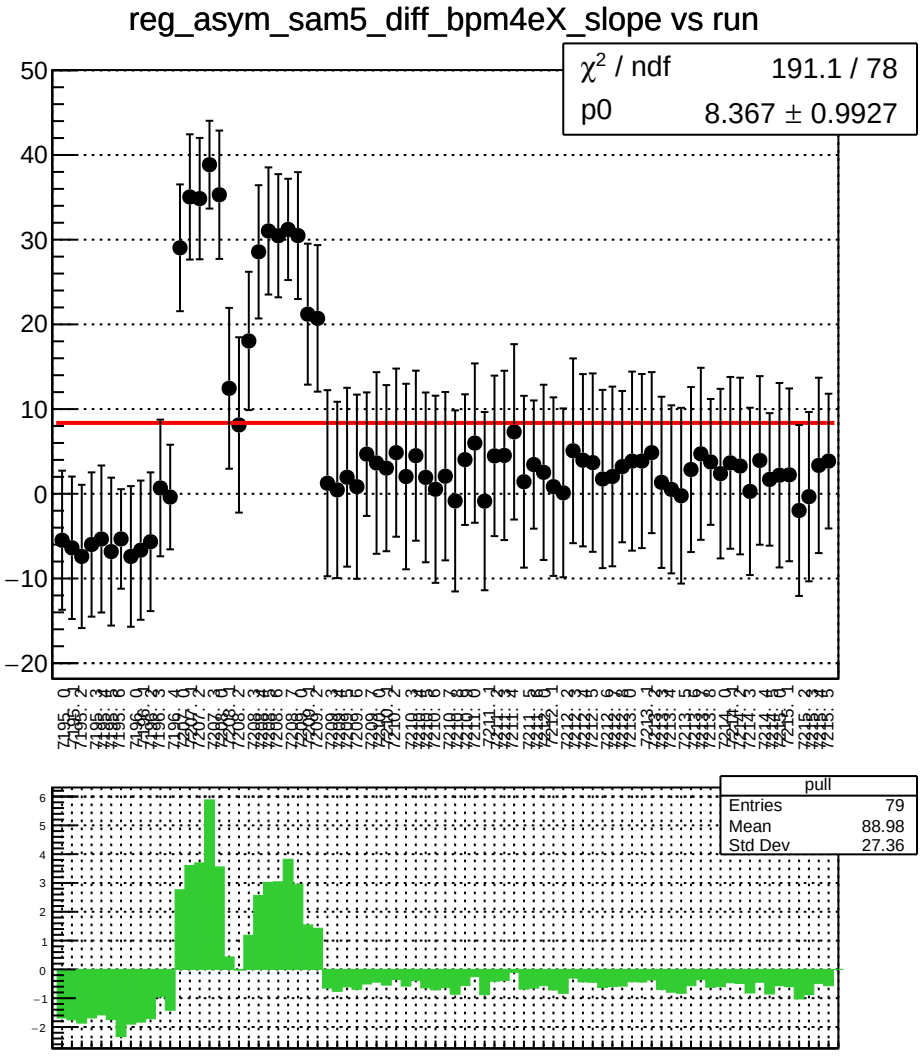

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 116.3 / 78
p0 −0.8158 ± 0.06255
pull
Entries 79
Mean 295.5
Std Dev 269.5
pull1D
Entries 79
Mean −0.03838
Std Dev 1.213

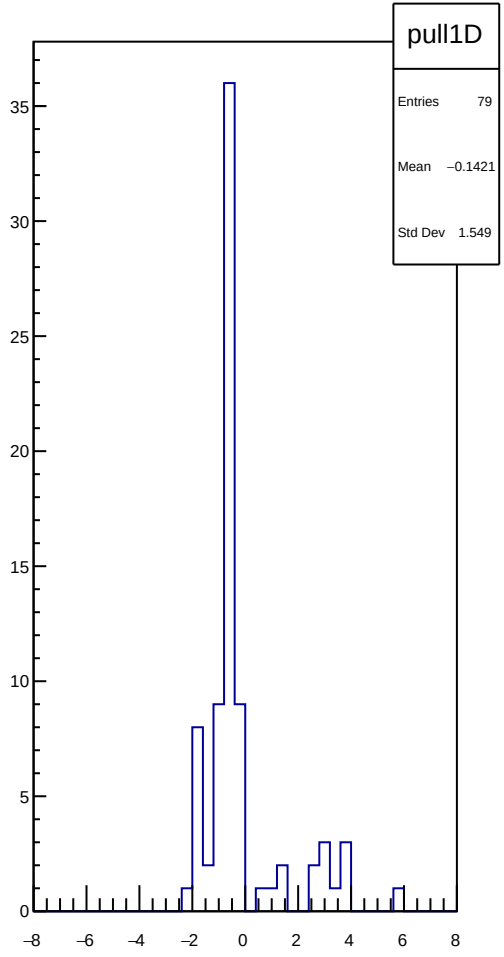

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 202.1 / 78
p0 −8.158 ± 0.9863
pull
Entries 79
Mean 89.53
Std Dev 26.65

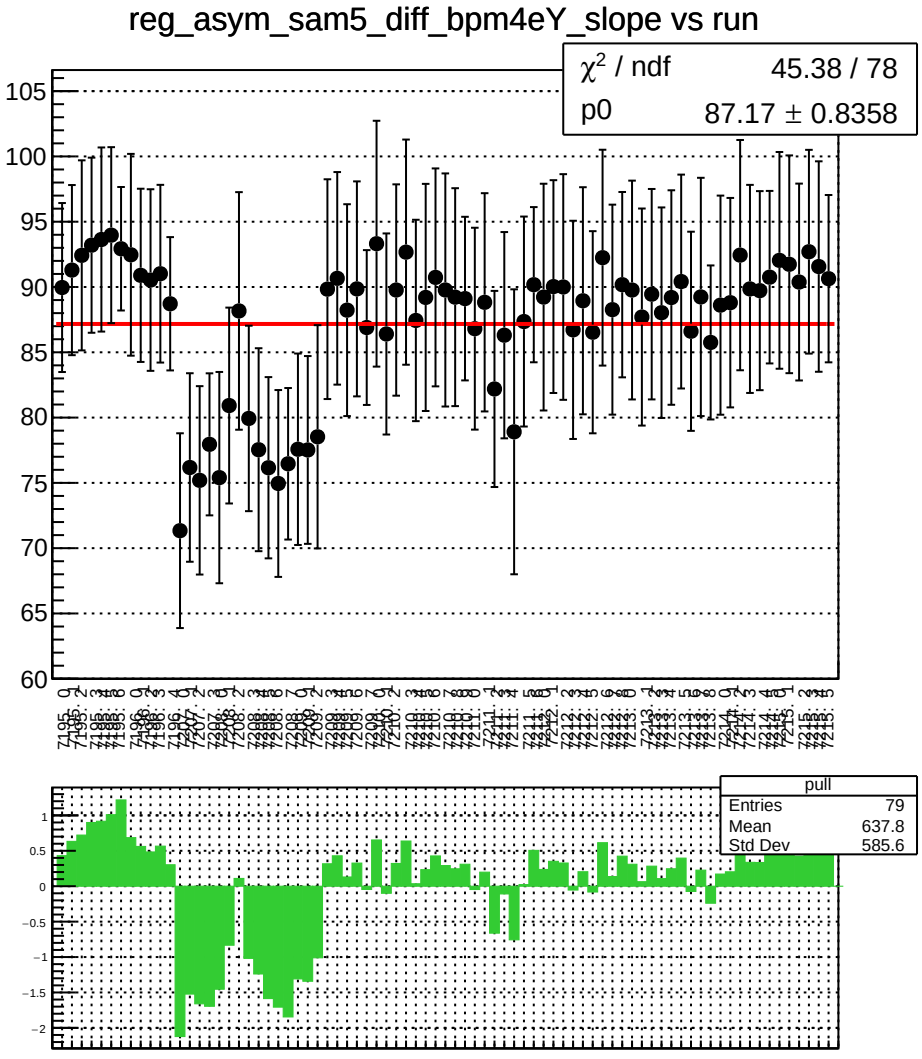

pull1D
Entries 79
Mean 0.1408
Std Dev 1.593

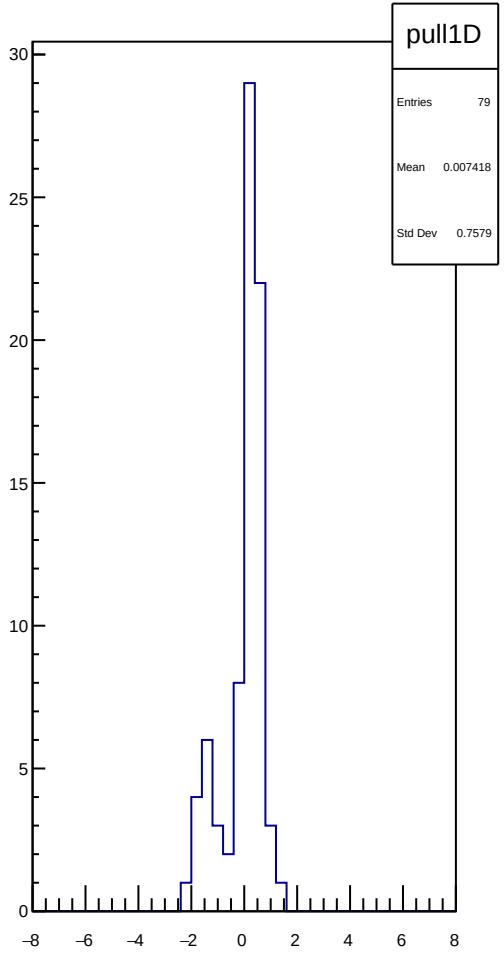

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 51.2 / 78
p0 52.79 ± 0.7529
pull
Entries 79
Mean 937.2
Std Dev 892.6

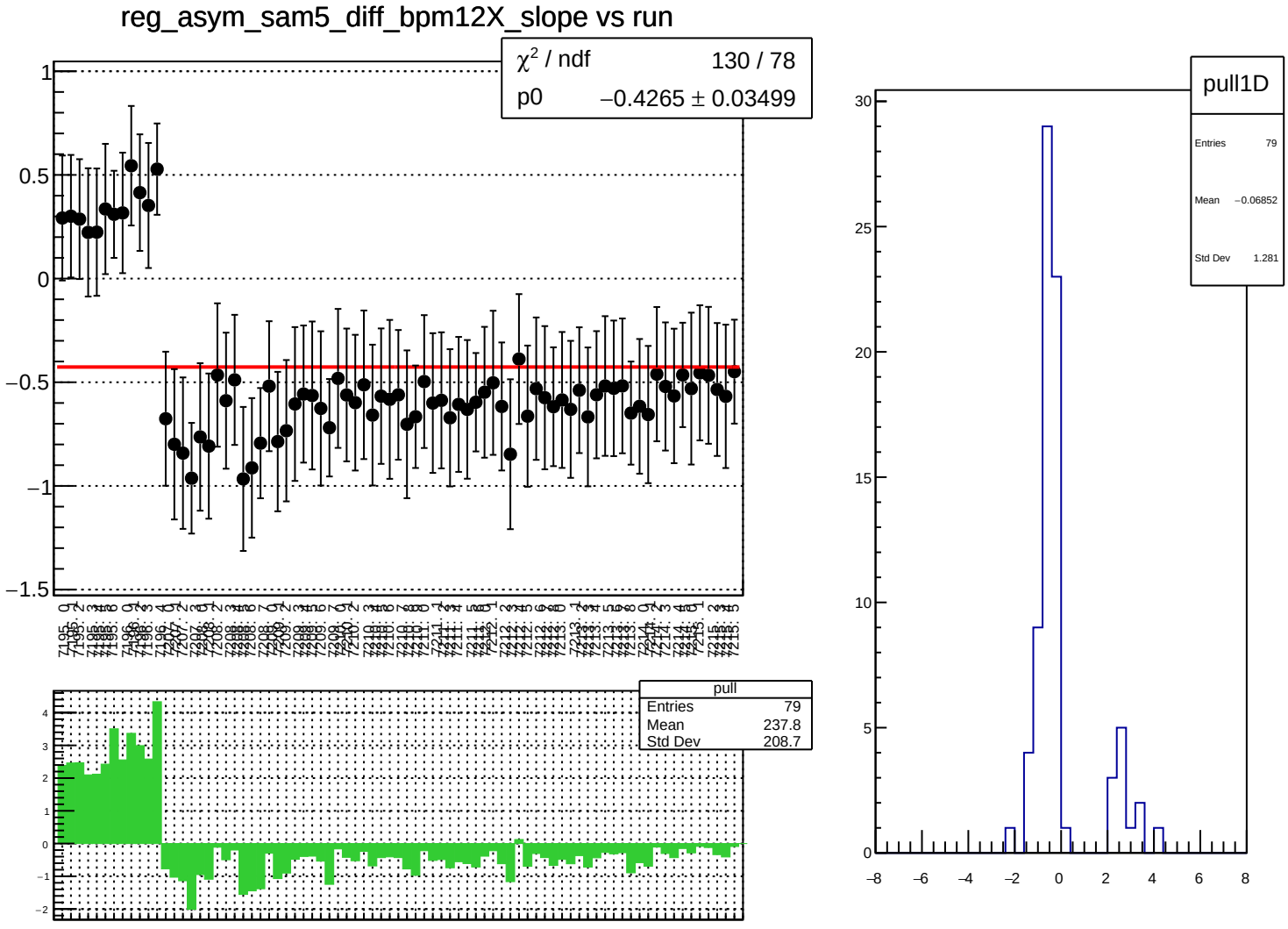

pull1D
Entries 79
Mean −0.007035
Std Dev 0.805

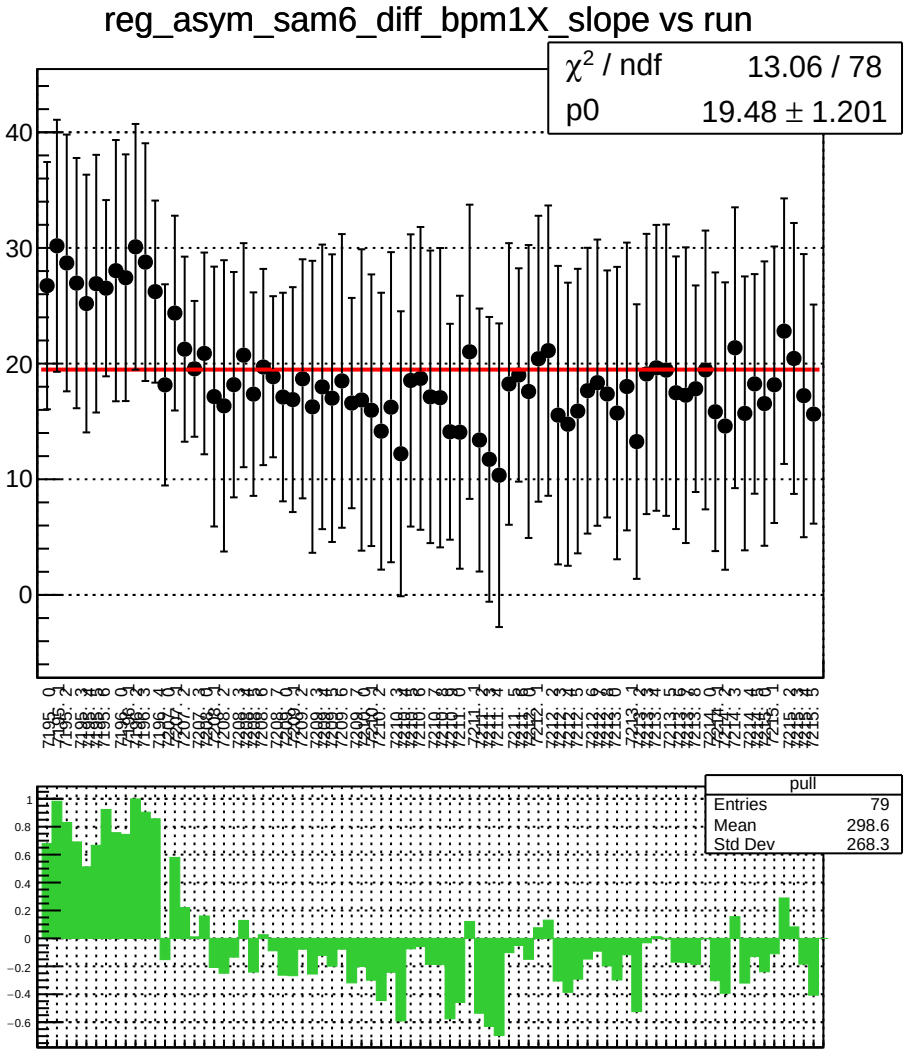

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 191.1 / 78
p0 8.367 ± 0.9927
pull
Entries 79
Mean 88.98
Std Dev 27.36

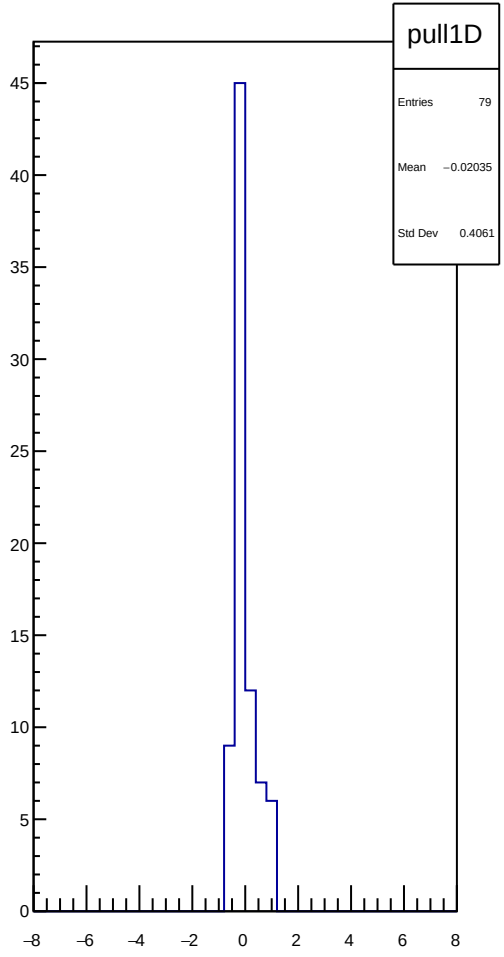

pull1D
Entries 79
Mean −0.1421
Std Dev 1.549

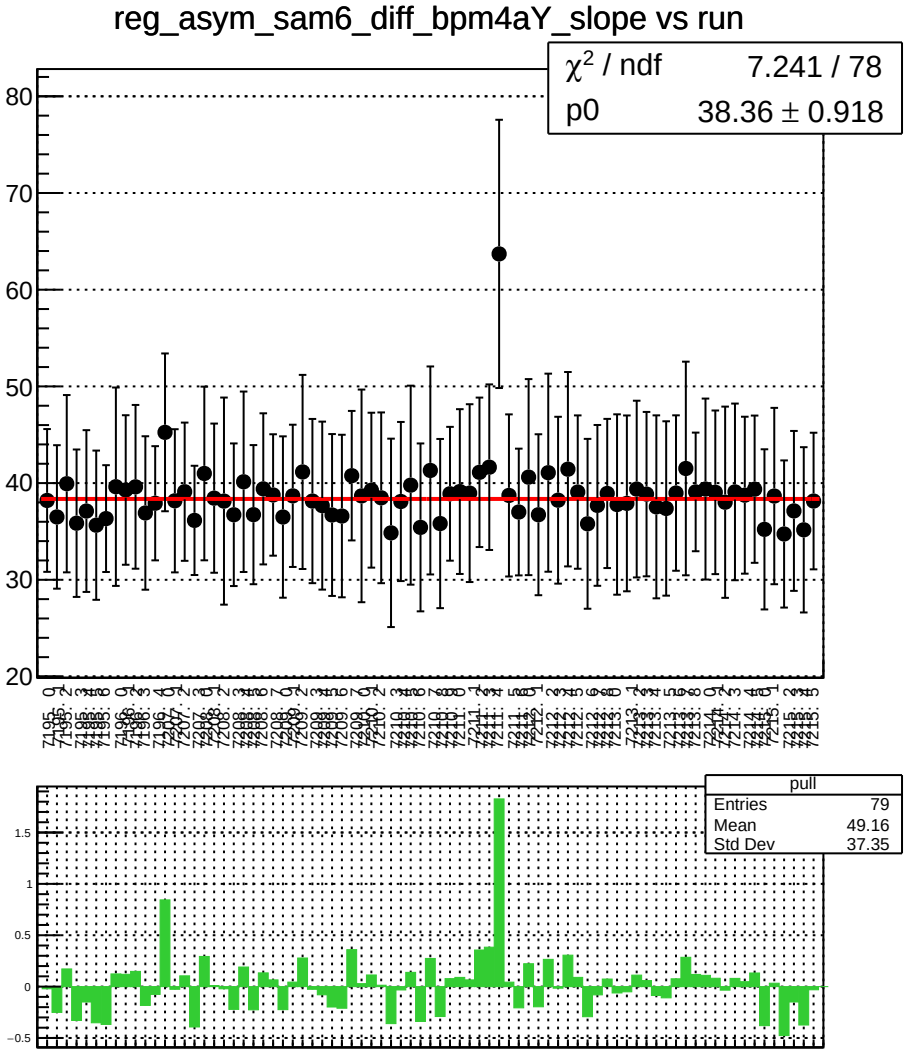

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 45.38 / 78
p0 87.17 ± 0.8358
pull
Entries 79
Mean 637.8
Std Dev 585.6

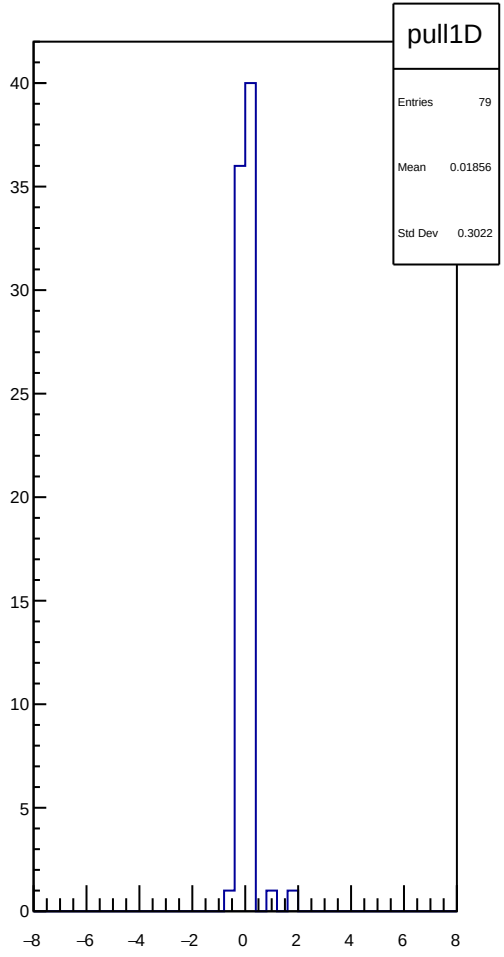

pull1D
Entries 79
Mean 0.007418
Std Dev 0.7579

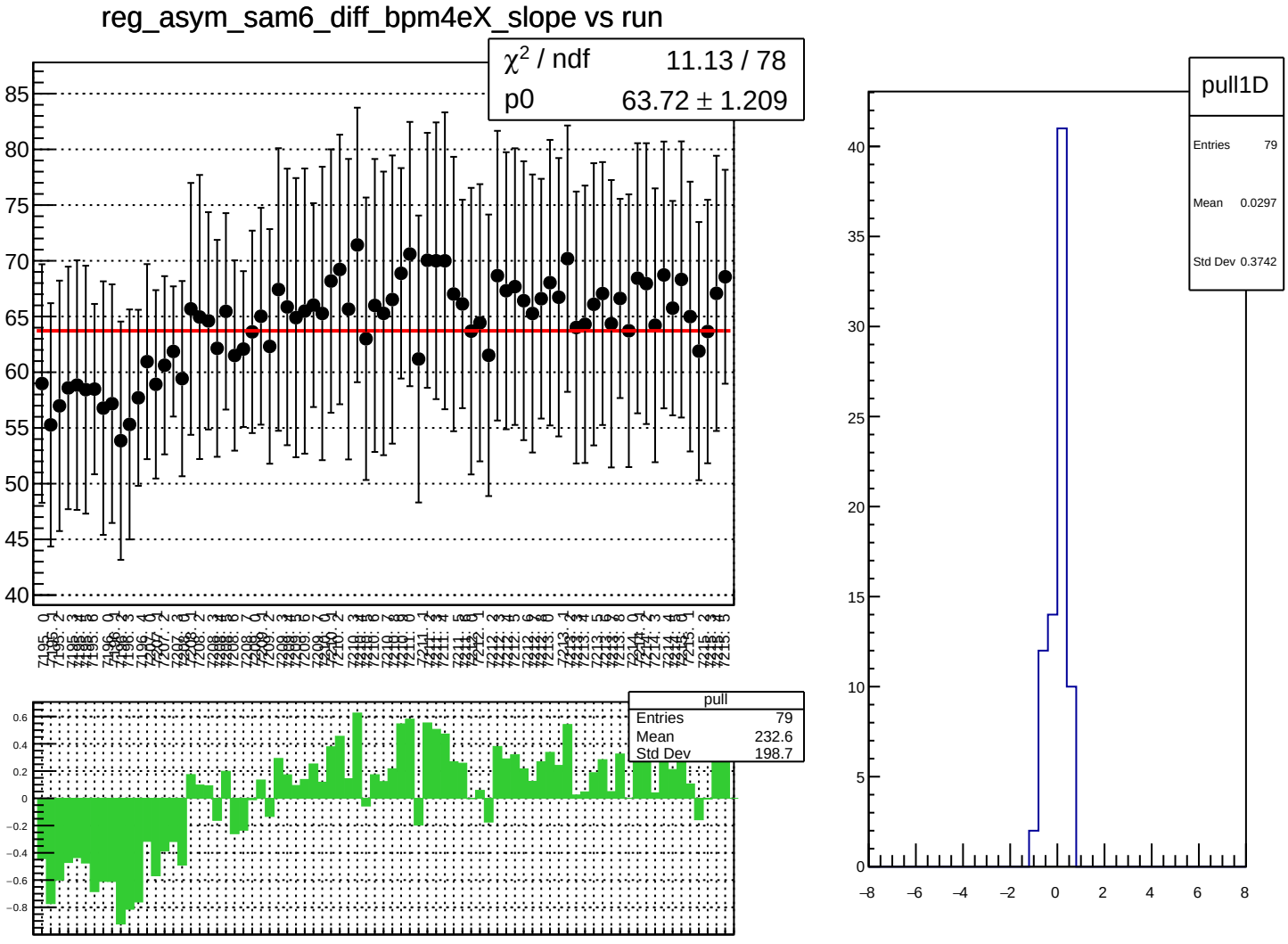

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 130 / 78
p0 −0.4265 ± 0.03499
pull
Entries 79
Mean 237.8
Std Dev 208.7
pull1D
Entries 79
Mean −0.06852
Std Dev 1.281

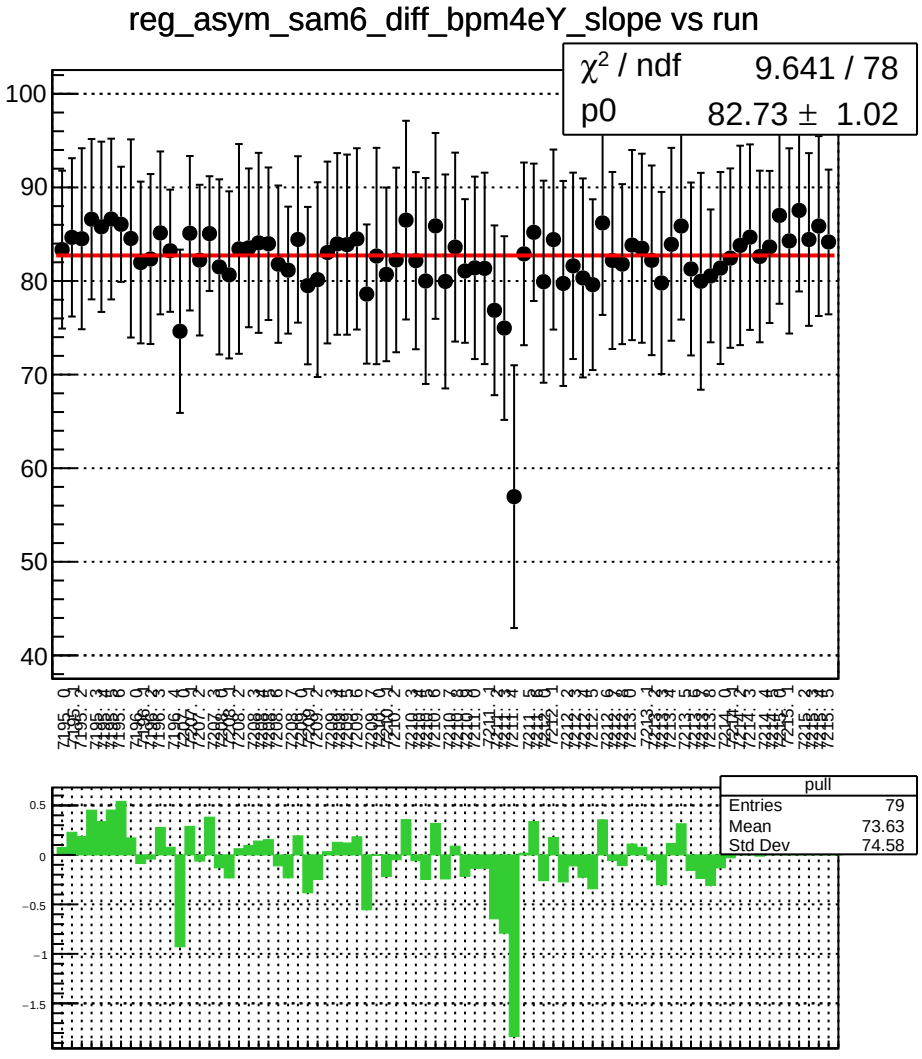

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 13.06 / 78
p0 19.48 ± 1.201
pull
Entries 79
Mean 298.6
Std Dev 268.3

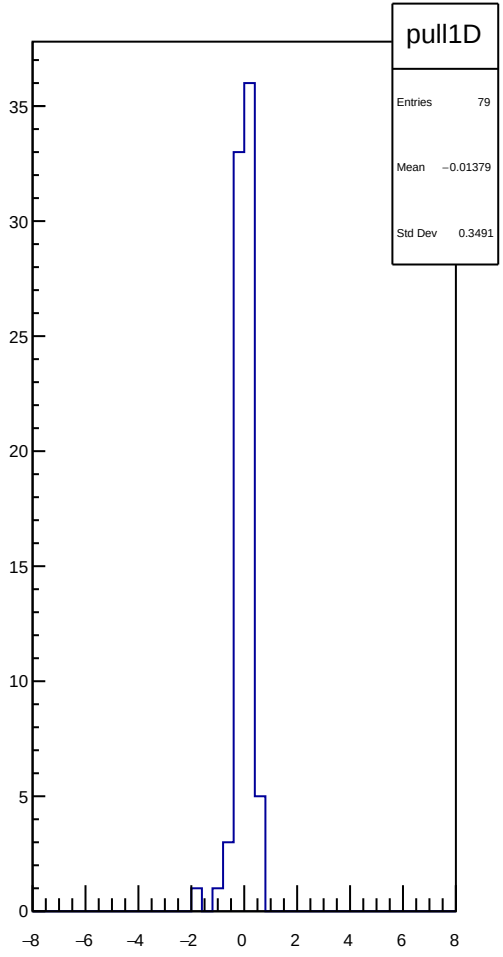

pull1D
Entries 79
Mean −0.02035
Std Dev 0.4061

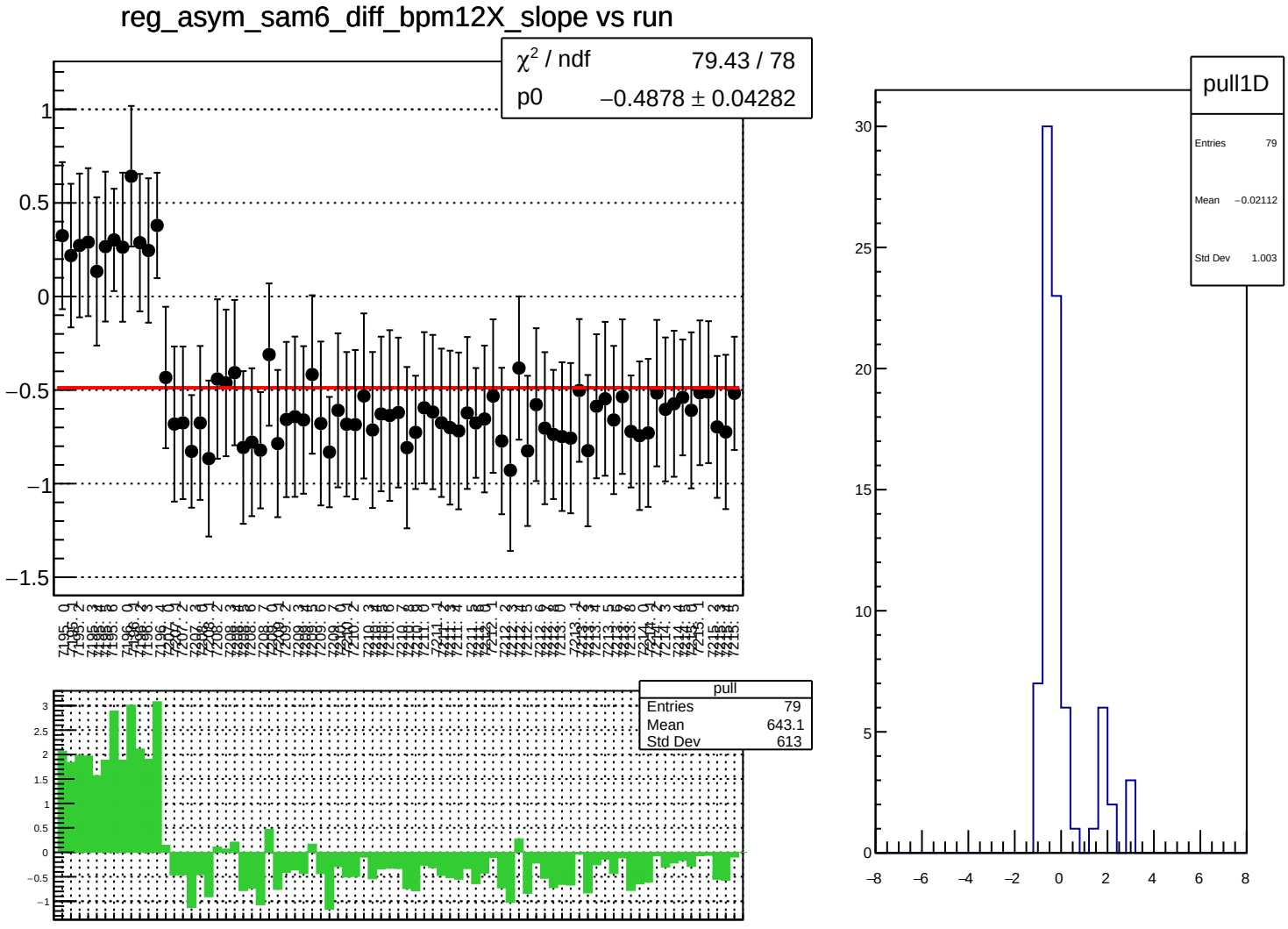

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 7.241 / 78
p0 38.36 ± 0.918
pull
Entries 79
Mean 49.16
Std Dev 37.35

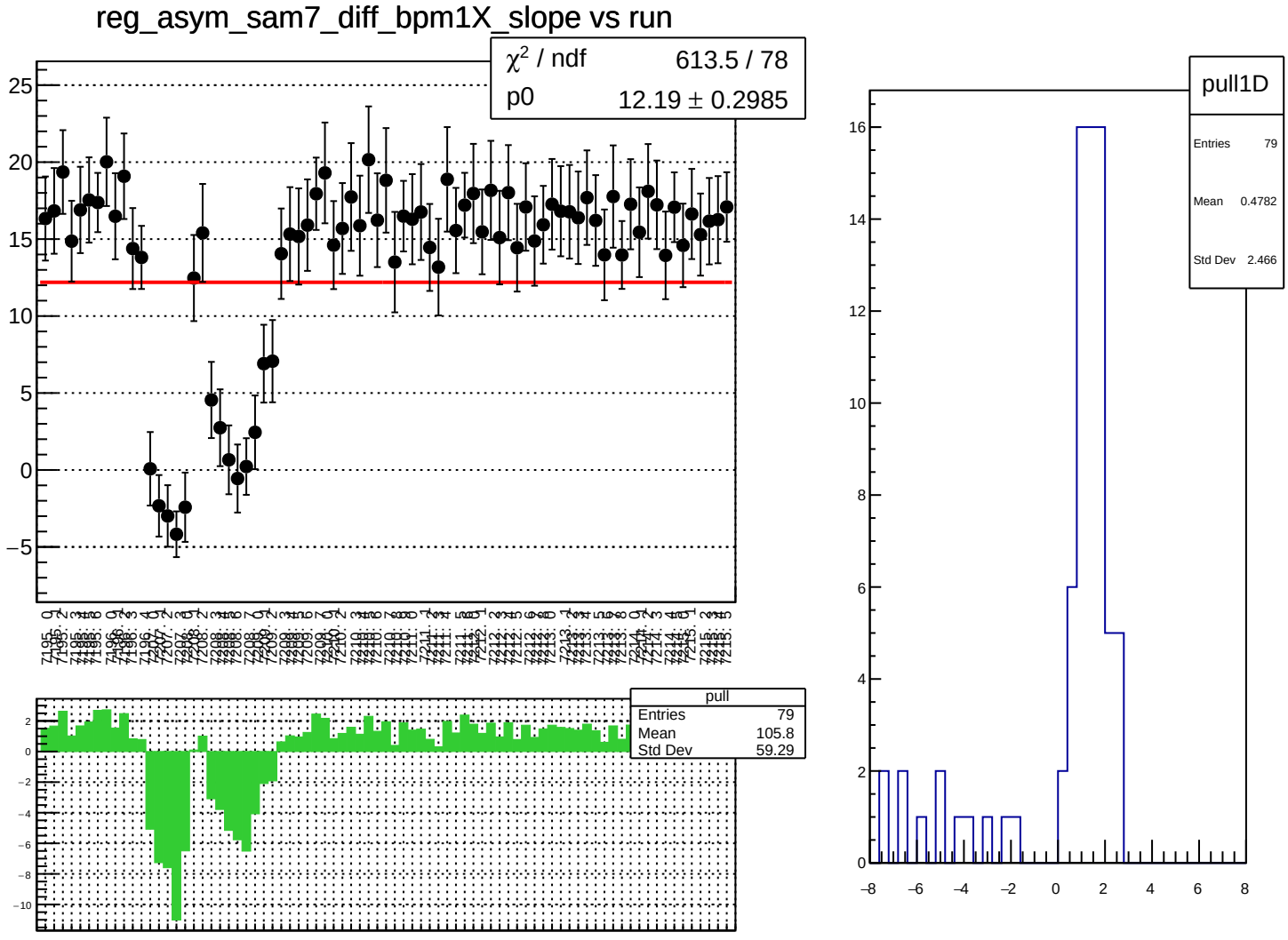

pull1D
Entries 79
Mean 0.01856
Std Dev 0.3022

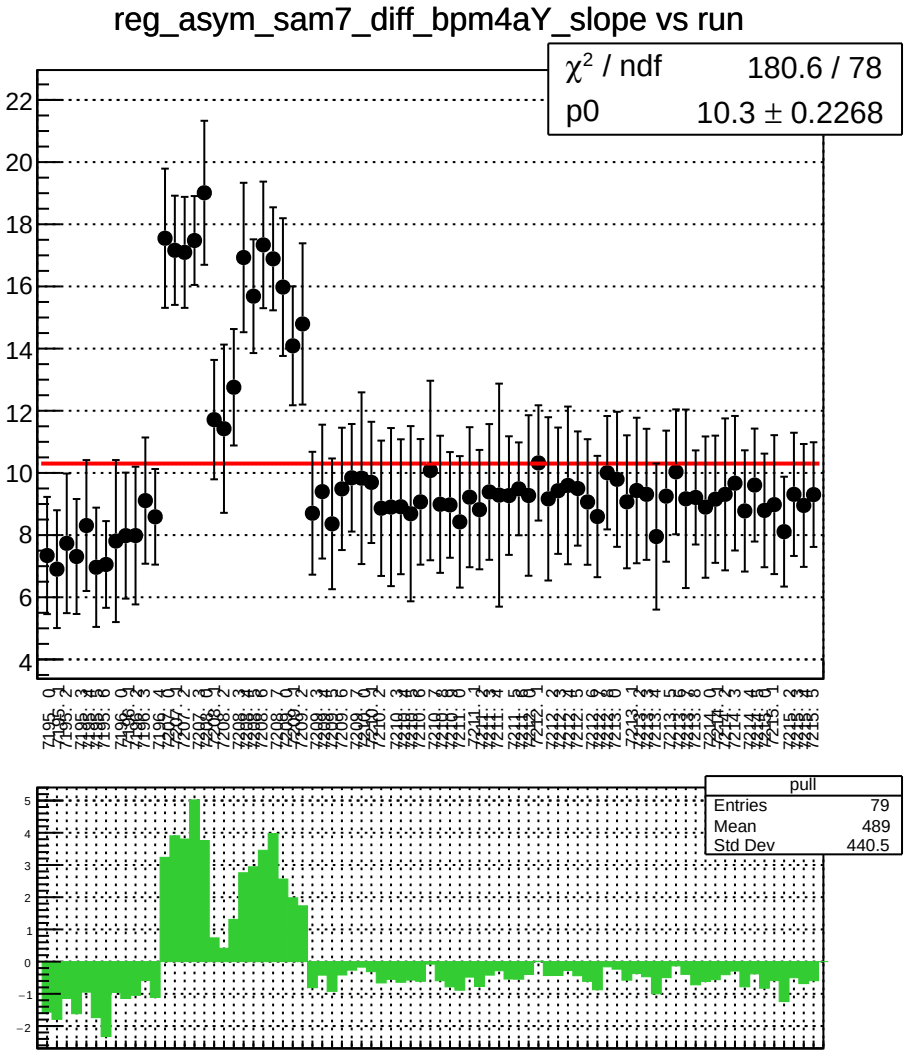

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 11.13 / 78
p0 63.72 ± 1.209
pull
Entries 79
Mean 232.6
Std Dev 198.7
pull1D
Entries 79
Mean 0.0297
Std Dev 0.3742

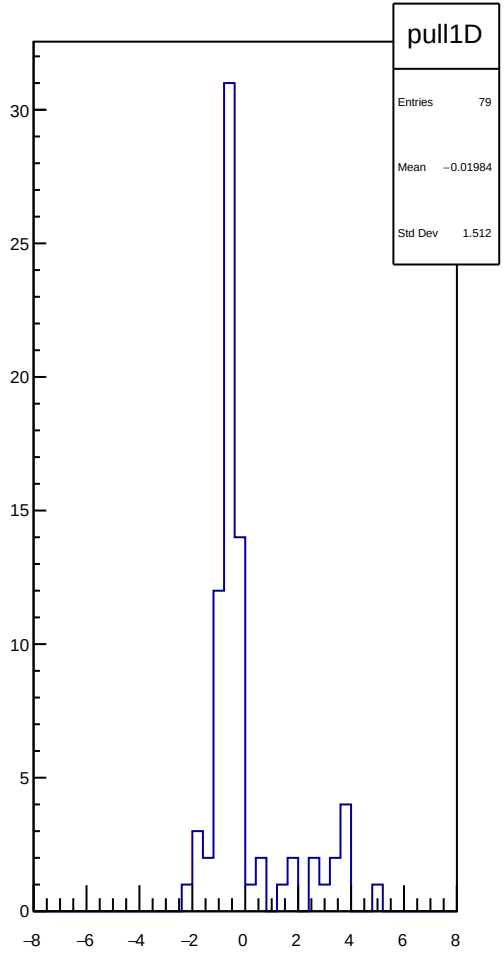

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 9.641 / 78
p0 82.73 ± 1.02
pull
Entries 79
Mean 73.63
Std Dev 74.58

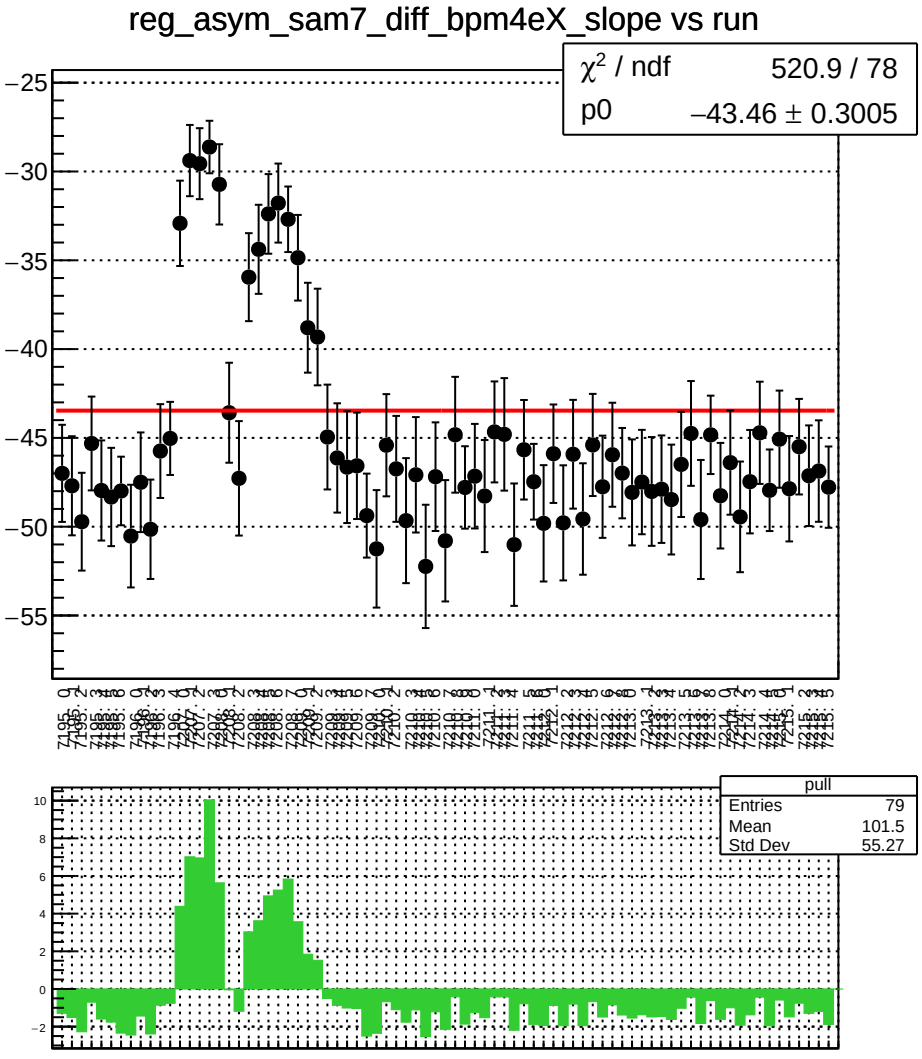

pull1D
Entries 79
Mean −0.01379
Std Dev 0.3491

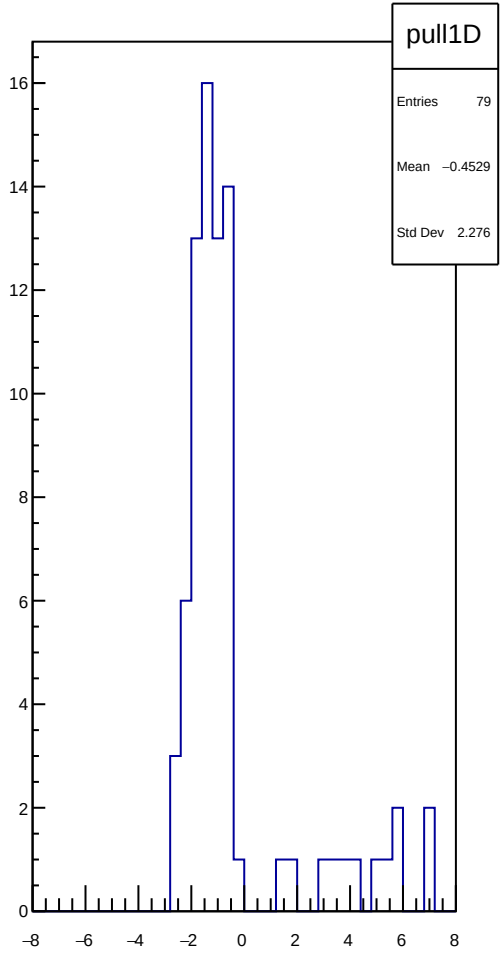

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 79.43 / 78
p0 −0.4878 ± 0.04282
pull
Entries 79
Mean 643.1
Std Dev 613
pull1D
Entries 79
Mean −0.02112
Std Dev 1.003

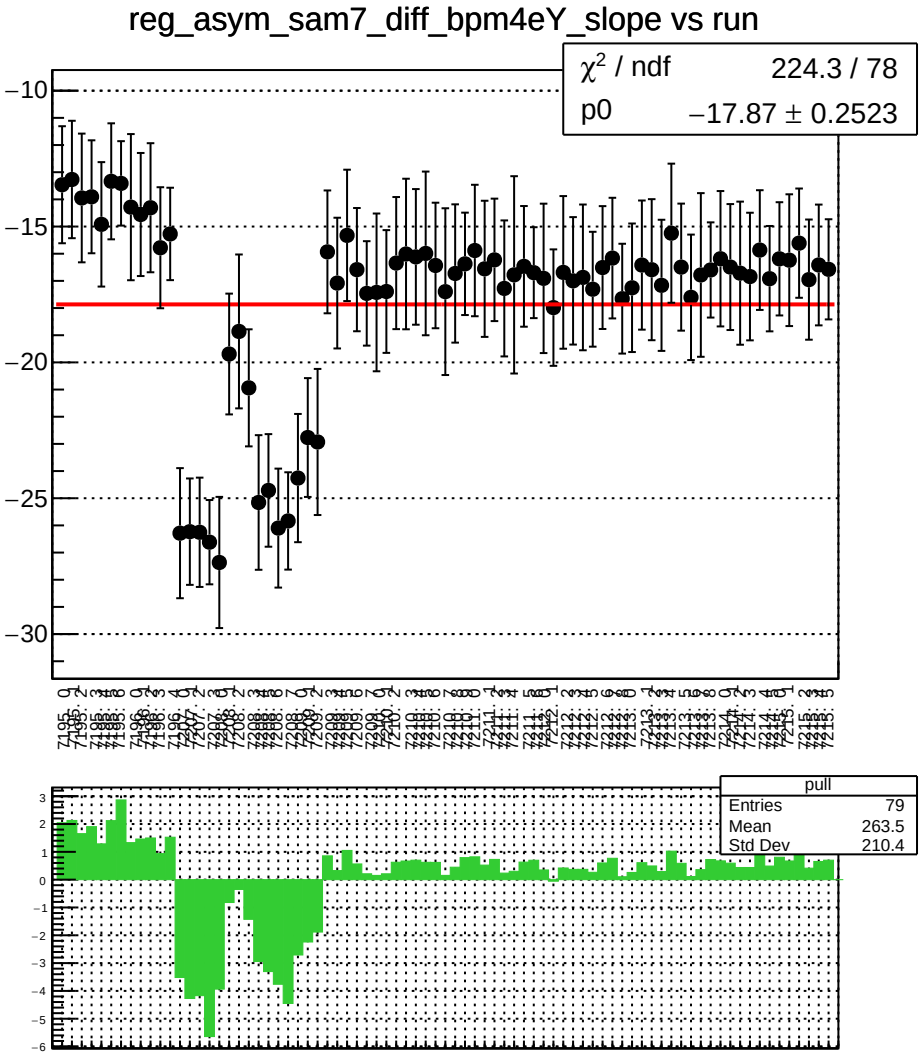

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 613.5 / 78
p0 12.19 ± 0.2985
pull
Entries 79
Mean 105.8
Std Dev 59.29
pull1D
Entries 79
Mean 0.4782
Std Dev 2.466

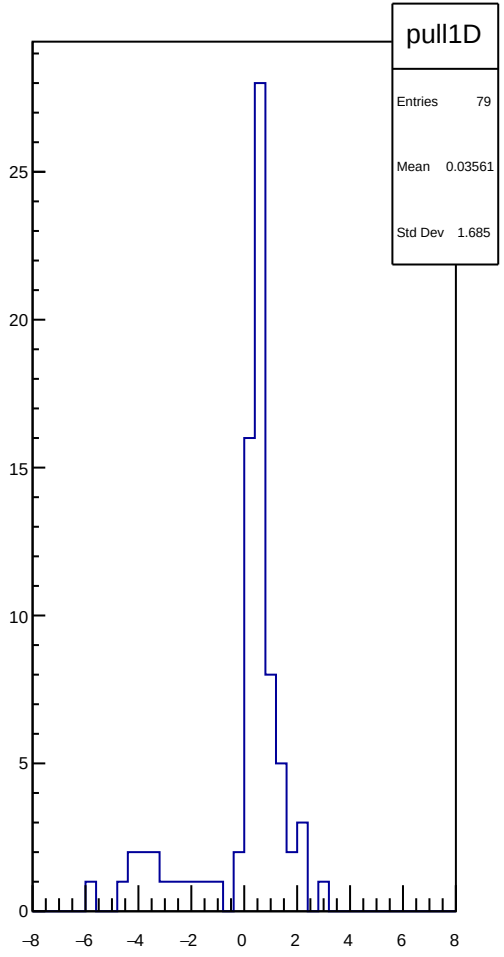

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 180.6 / 78
p0 10.3 ± 0.2268
pull
Entries 79
Mean 489
Std Dev 440.5

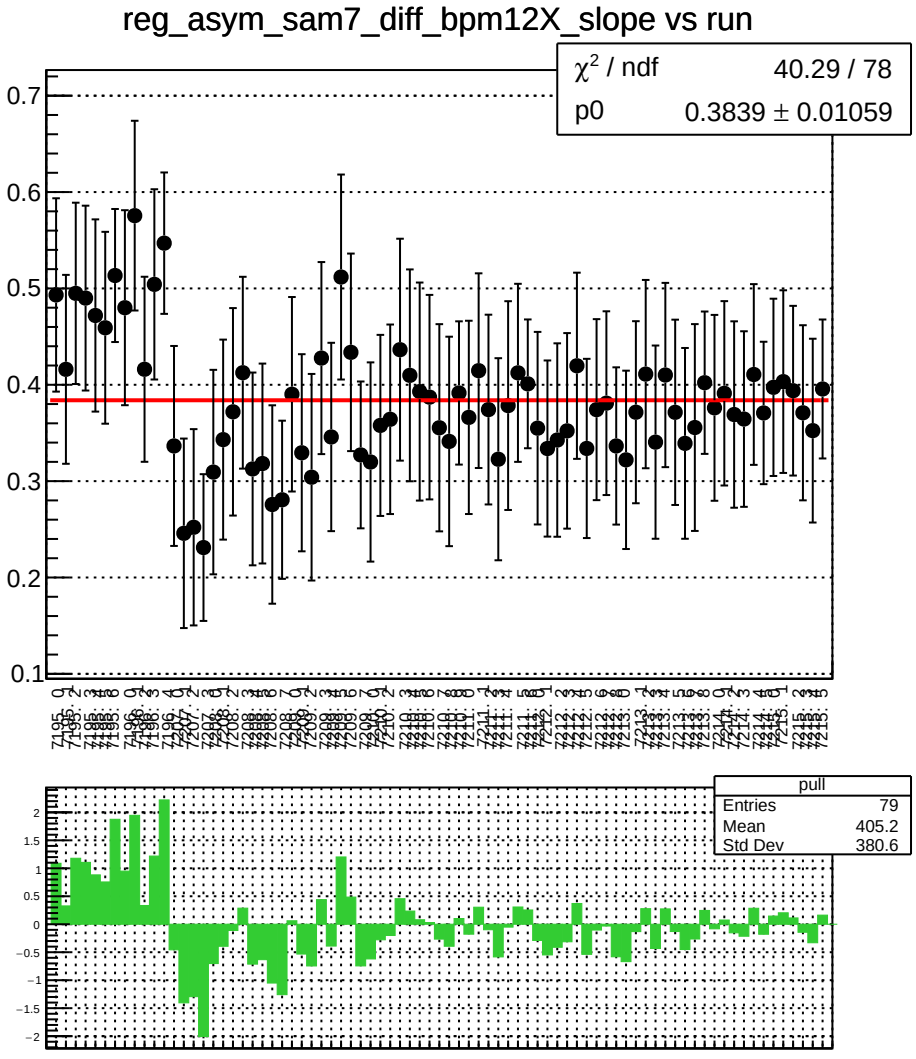

pull1D
Entries 79
Mean −0.01984
Std Dev 1.512

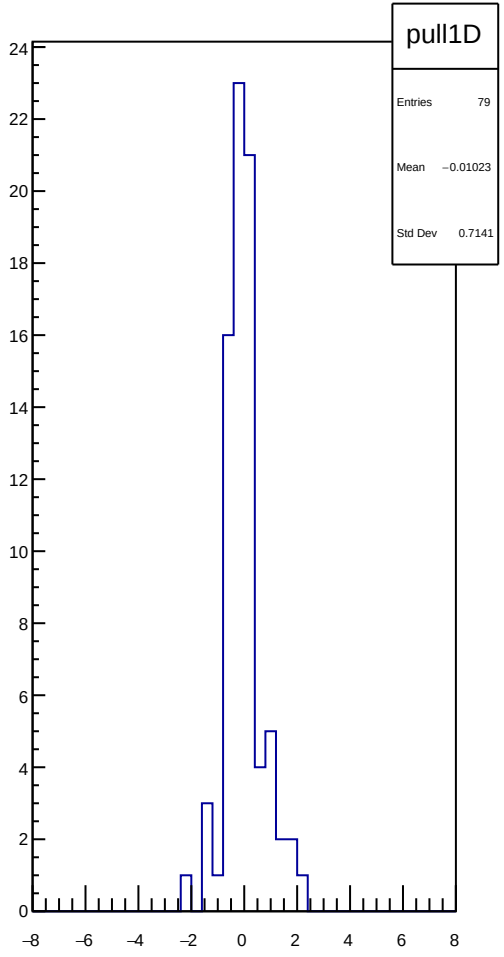

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 520.9 / 78
p0 −43.46 ± 0.3005
pull
Entries 79
Mean 101.5
Std Dev 55.27

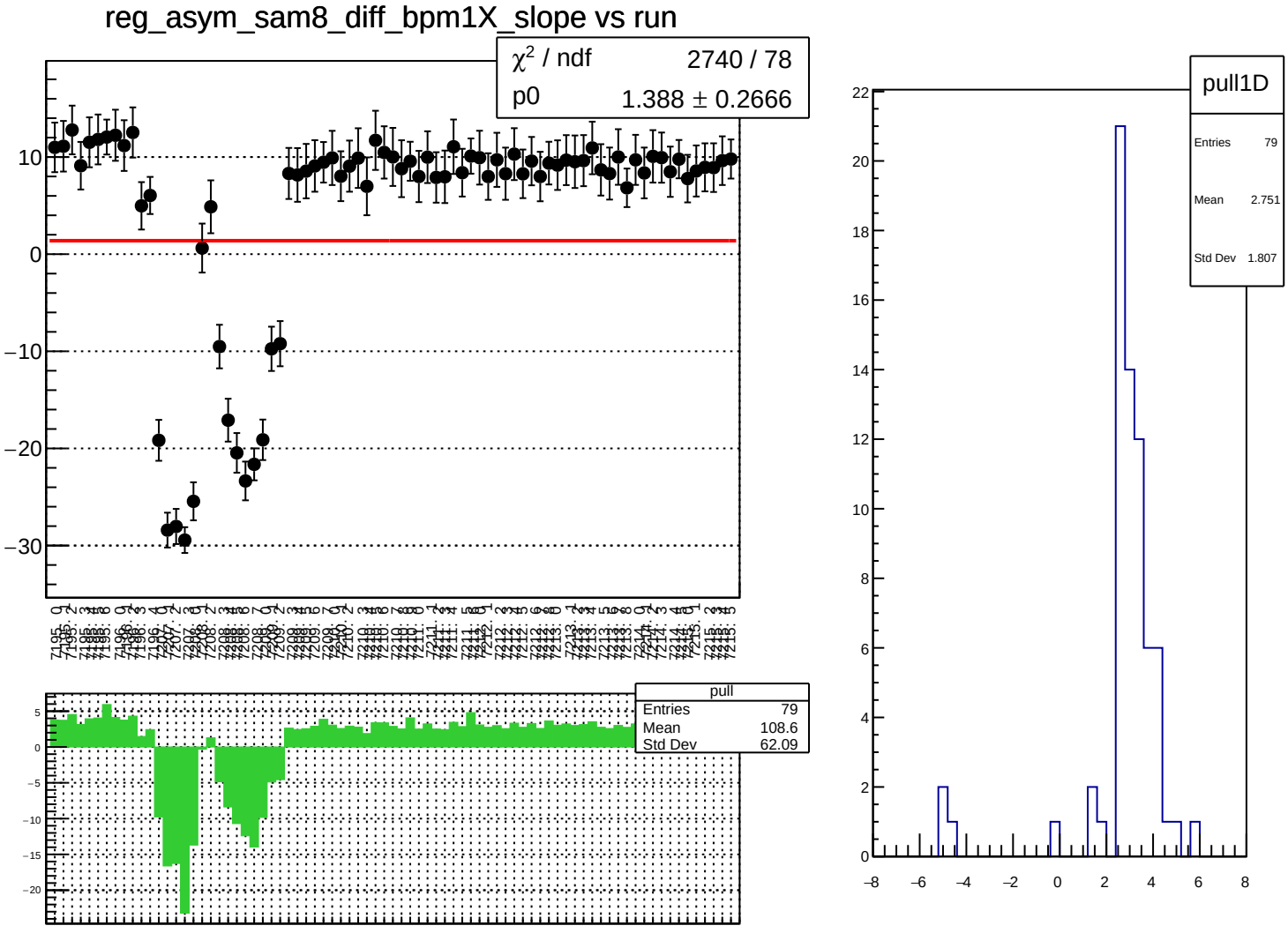

pull1D
Entries 79
Mean −0.4529
Std Dev 2.276

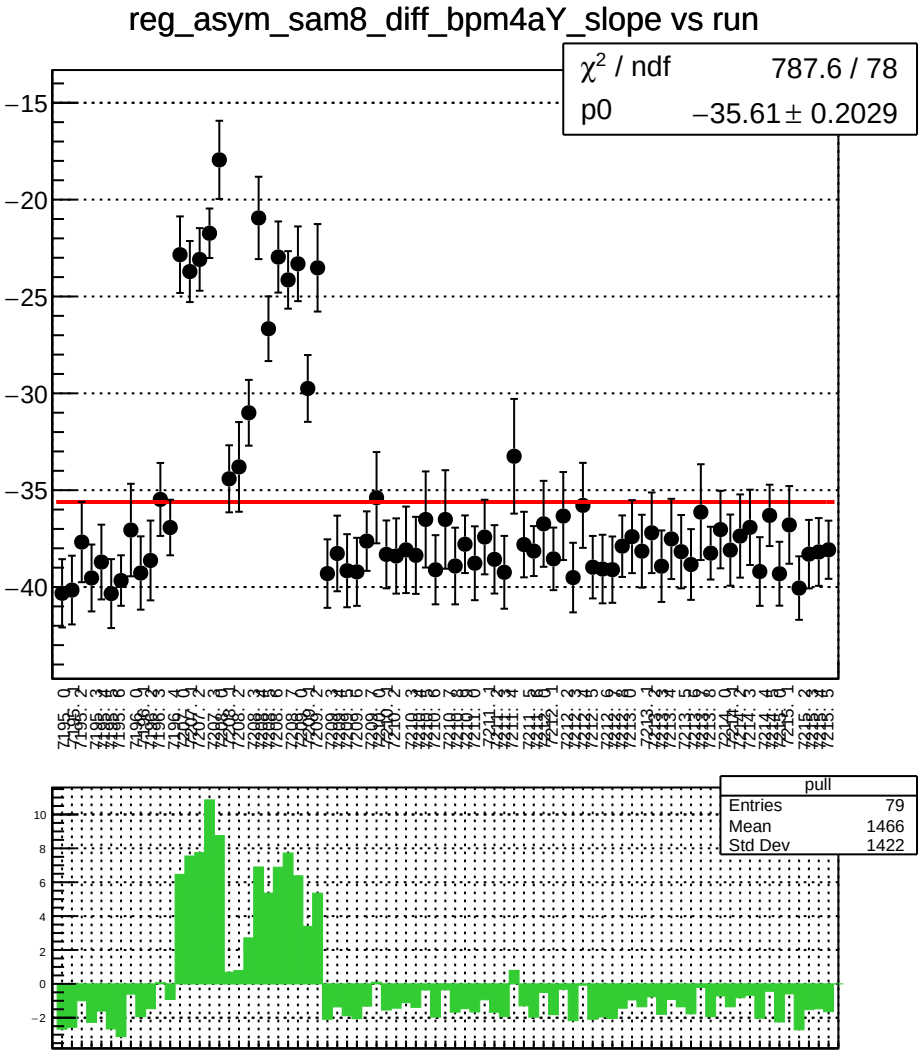

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 224.3 / 78
p0 −17.87 ± 0.2523
pull
Entries 79
Mean 263.5
Std Dev 210.4

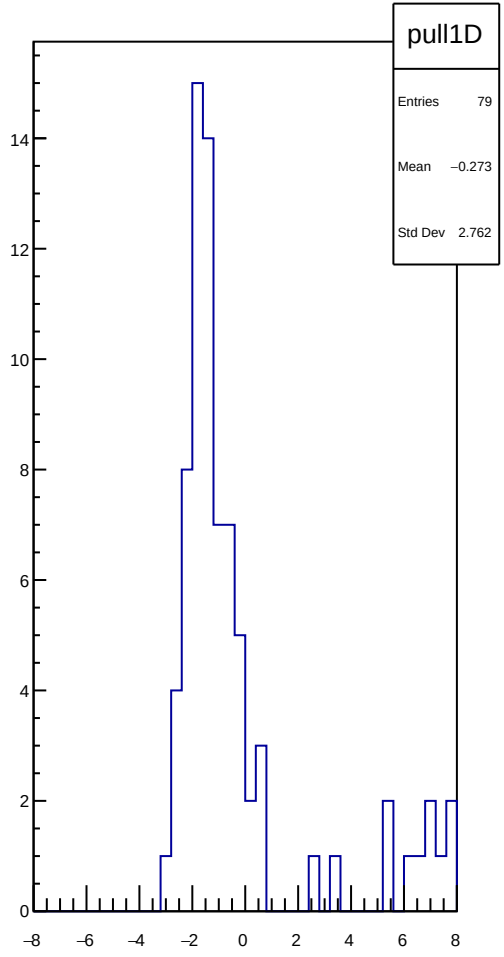

pull1D
Entries 79
Mean 0.03561
Std Dev 1.685

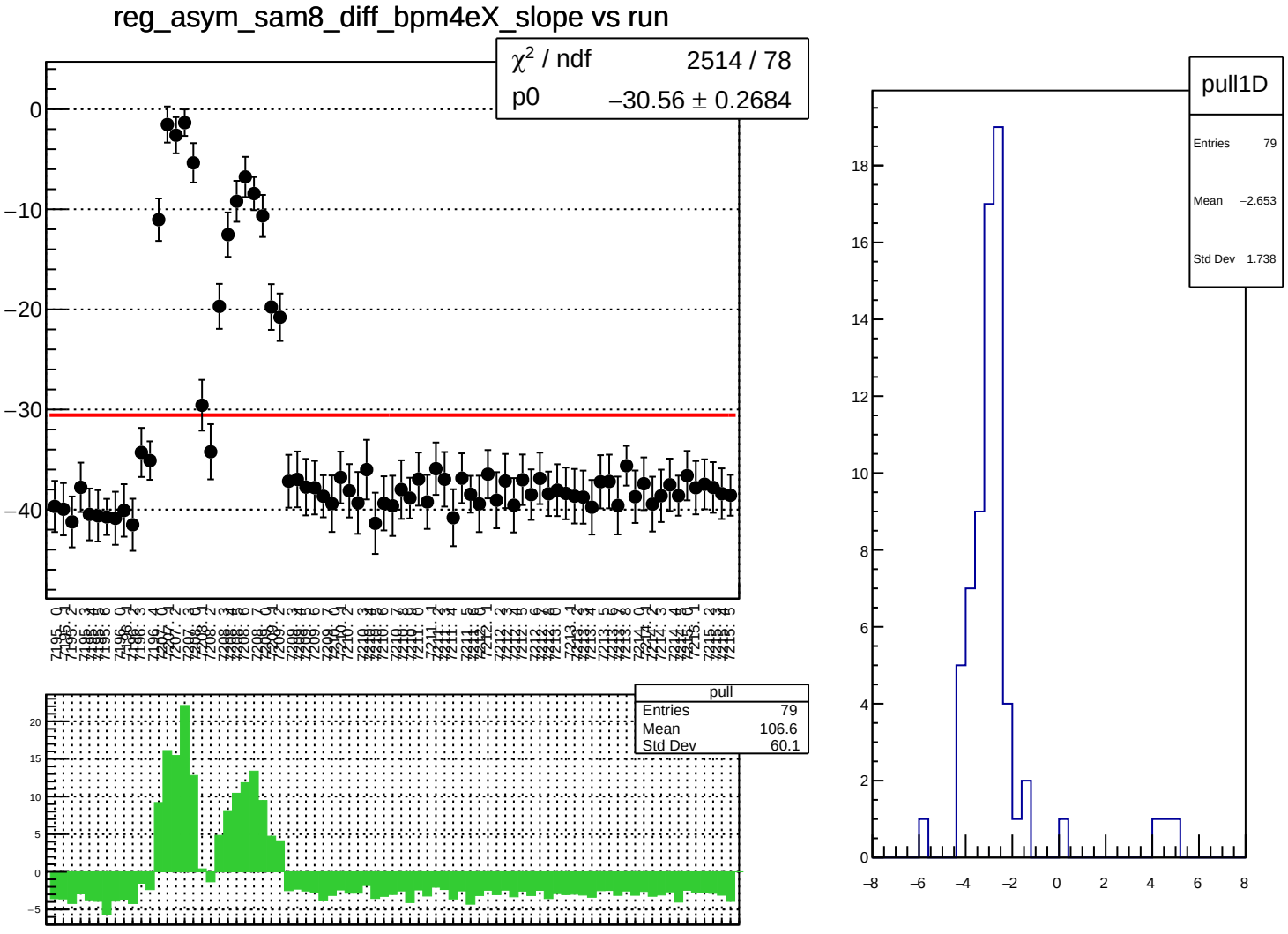

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 40.29 / 78
p0 0.3839 ± 0.01059
pull
Entries 79
Mean 405.2
Std Dev 380.6

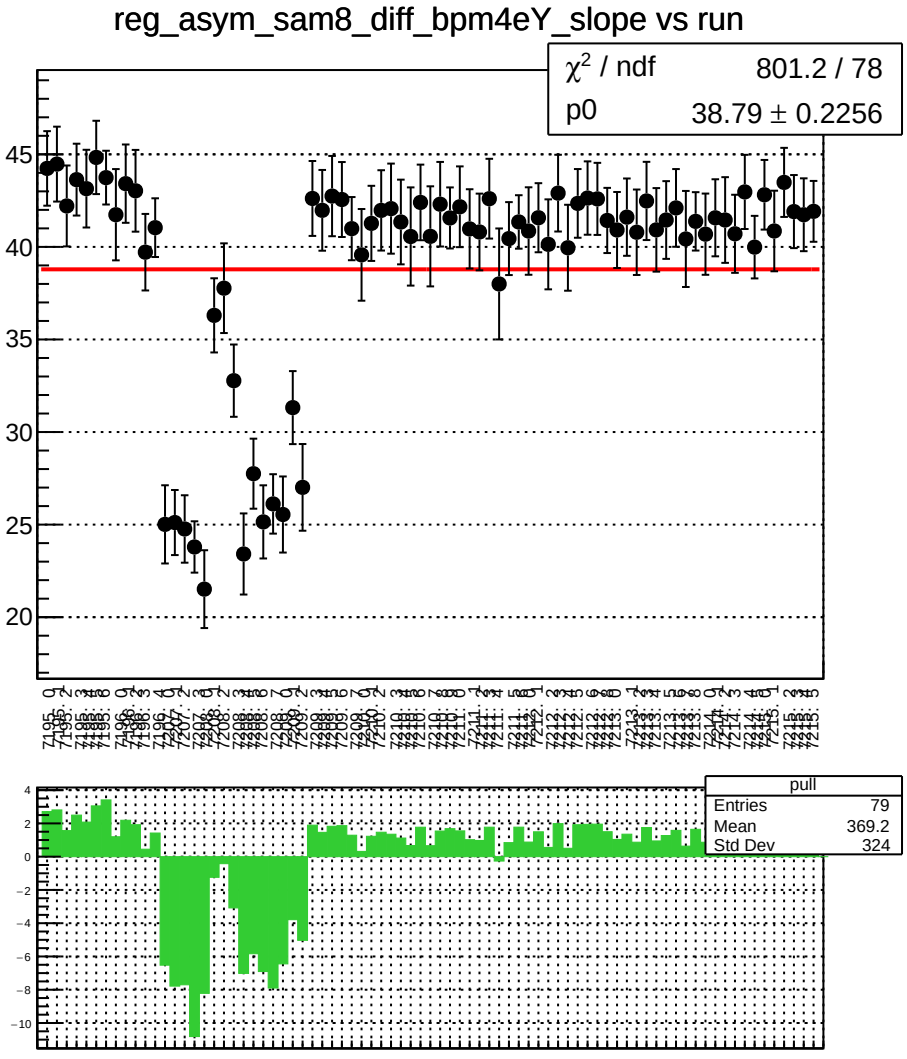

pull1D
Entries 79
Mean −0.01023
Std Dev 0.7141

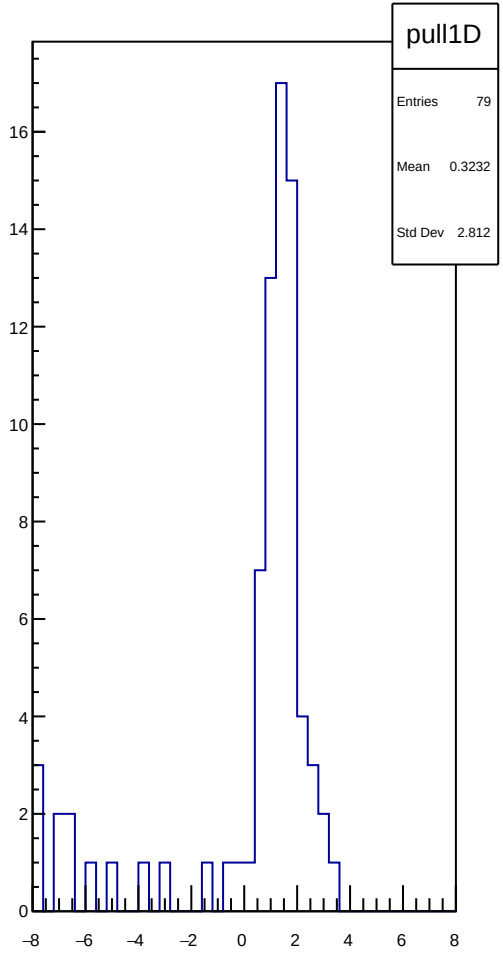

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 2740 / 78
p0 1.388 ± 0.2666
pull
Entries 79
Mean 108.6
Std Dev 62.09
pull1D
Entries 79
Mean 2.751
Std Dev 1.807

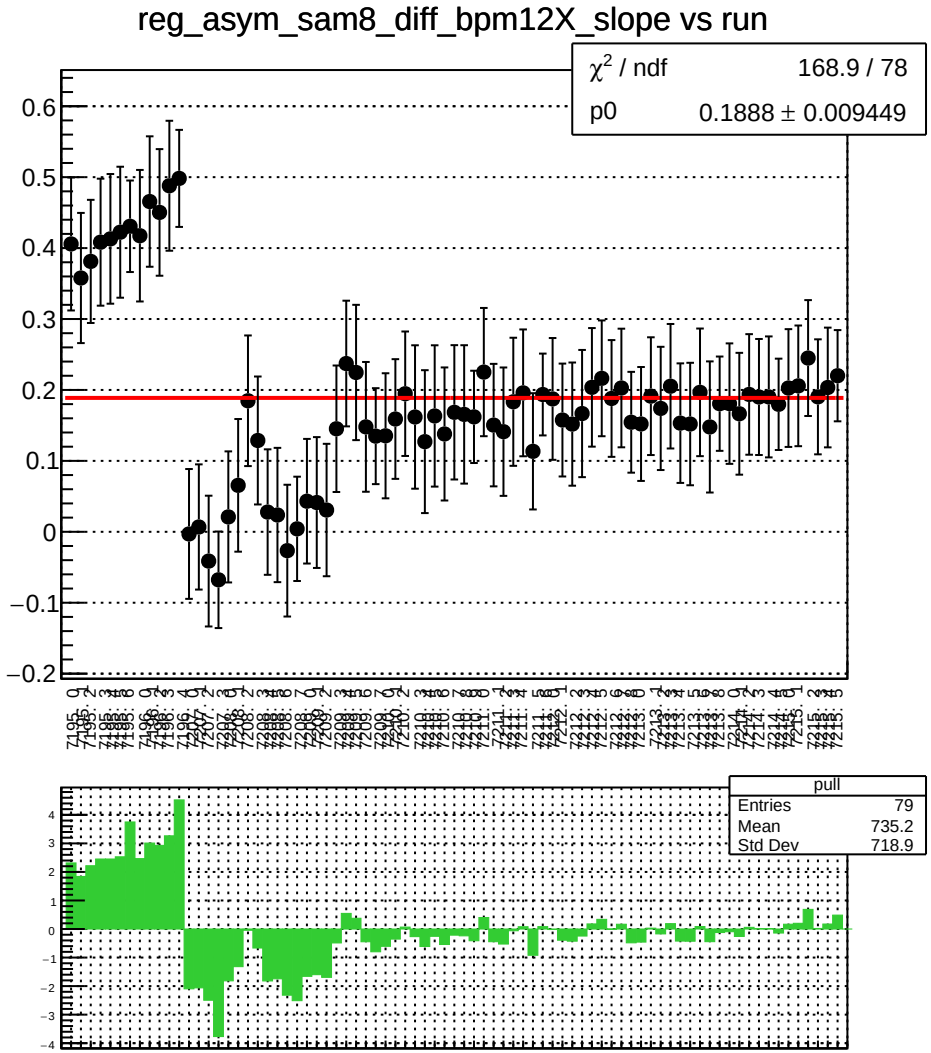

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 787.6 / 78
p0 −35.61 ± 0.2029
pull
Entries 79
Mean 1466
Std Dev 1422

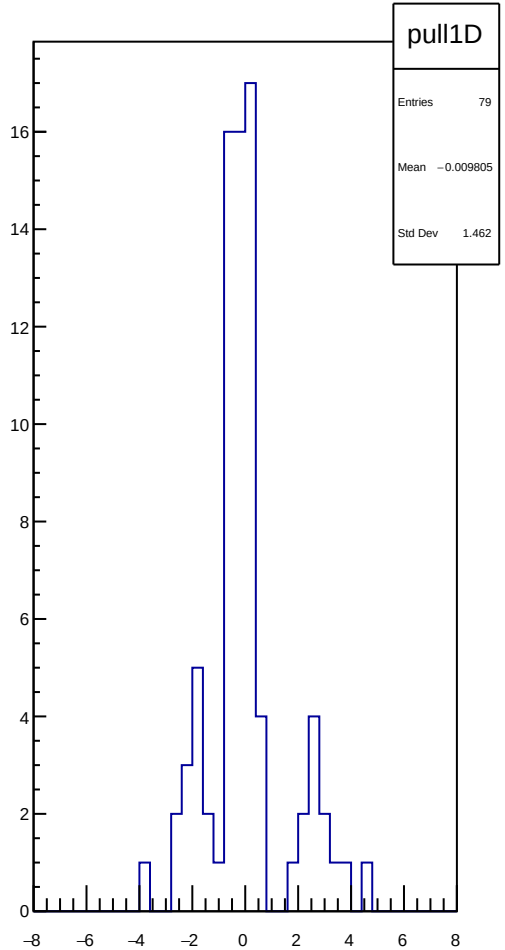

pull1D
Entries 79
Mean −0.273
Std Dev 2.762

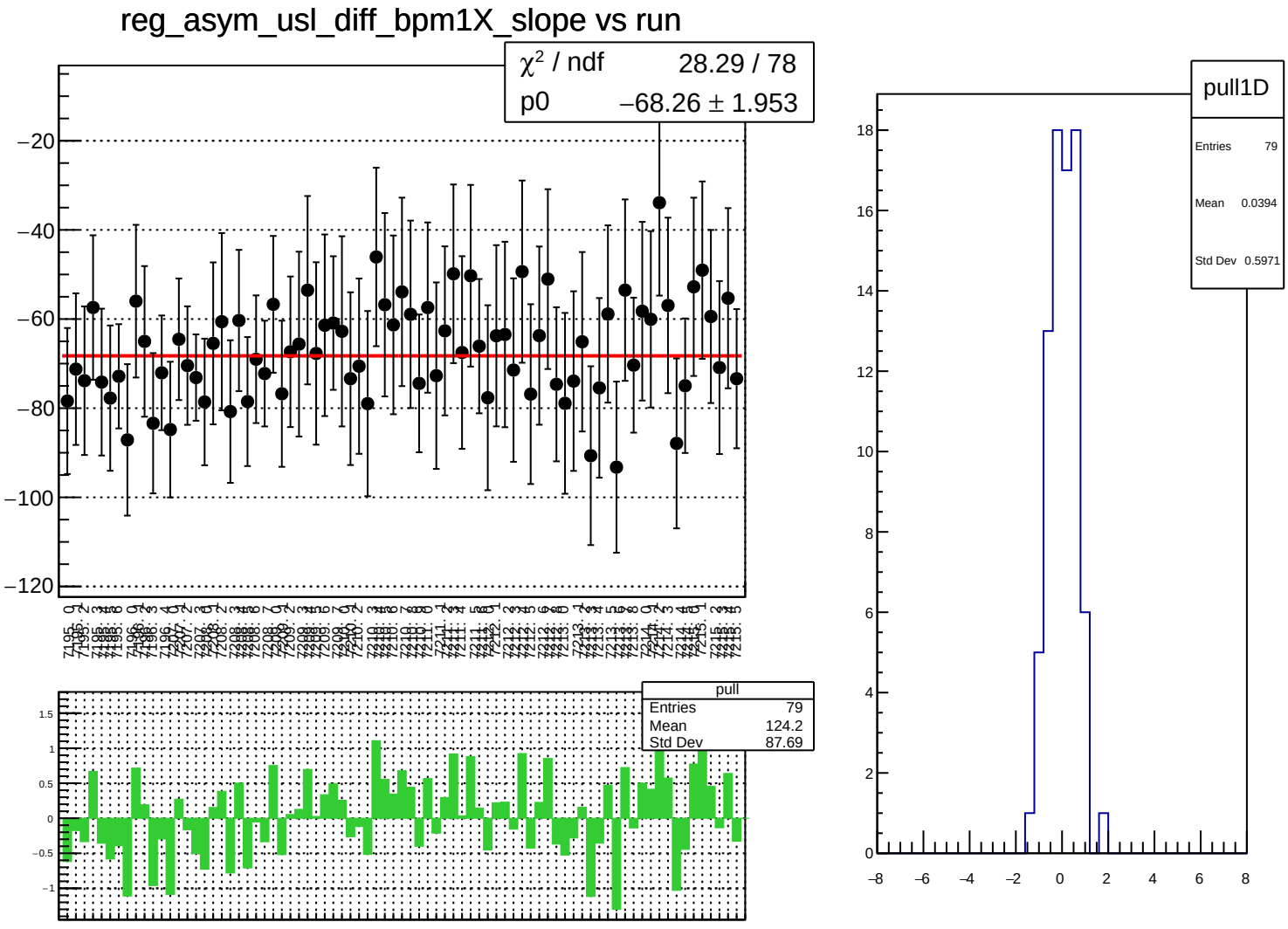

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 2514 / 78
p0 −30.56 ± 0.2684
pull
Entries 79
Mean 106.6
Std Dev 60.1
pull1D
Entries 79
Mean −2.653
Std Dev 1.738

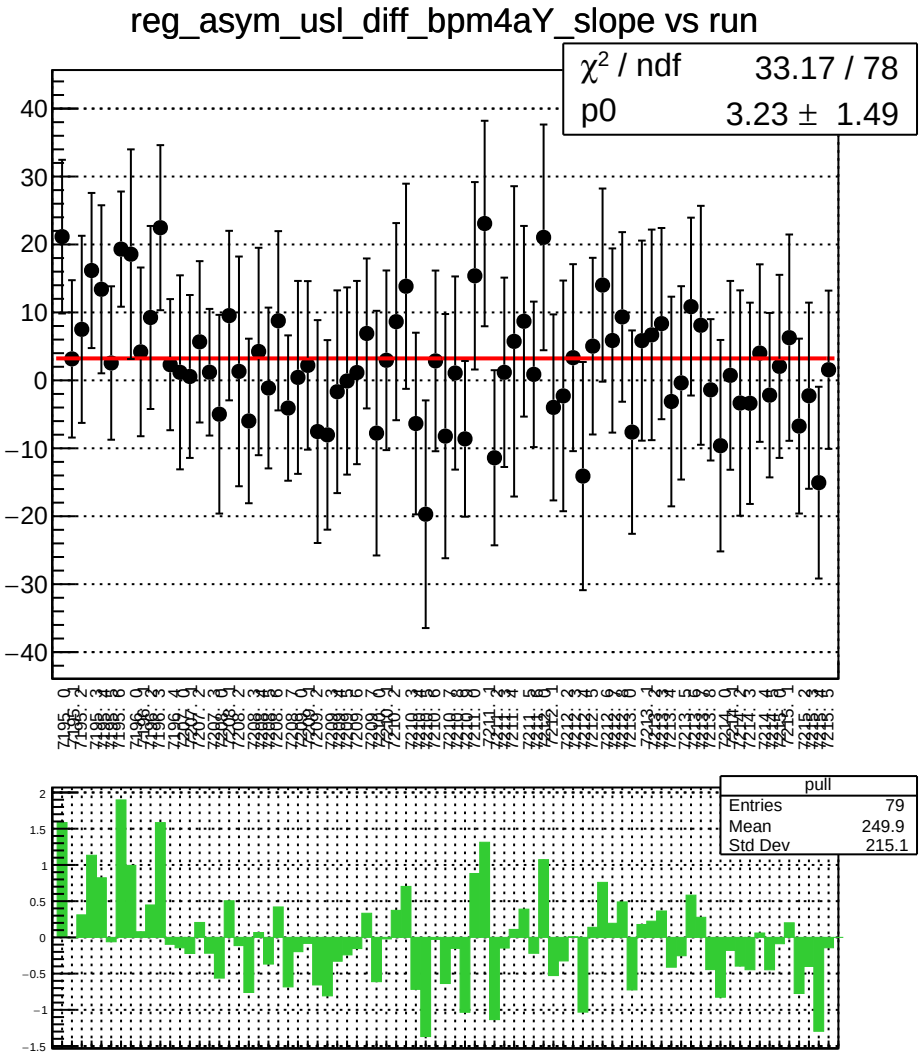

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 801.2 / 78
p0 38.79 ± 0.2256
pull
Entries 79
Mean 369.2
Std Dev 324

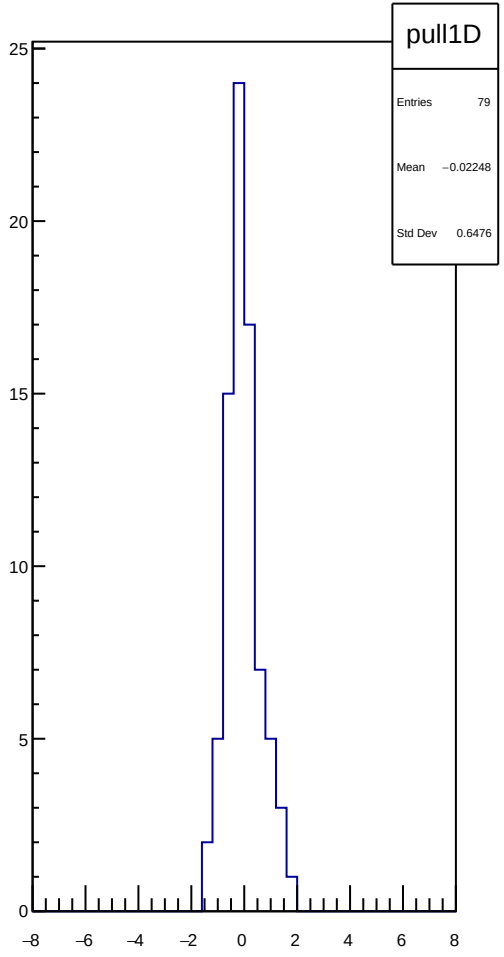

pull1D
Entries 79
Mean 0.3232
Std Dev 2.812

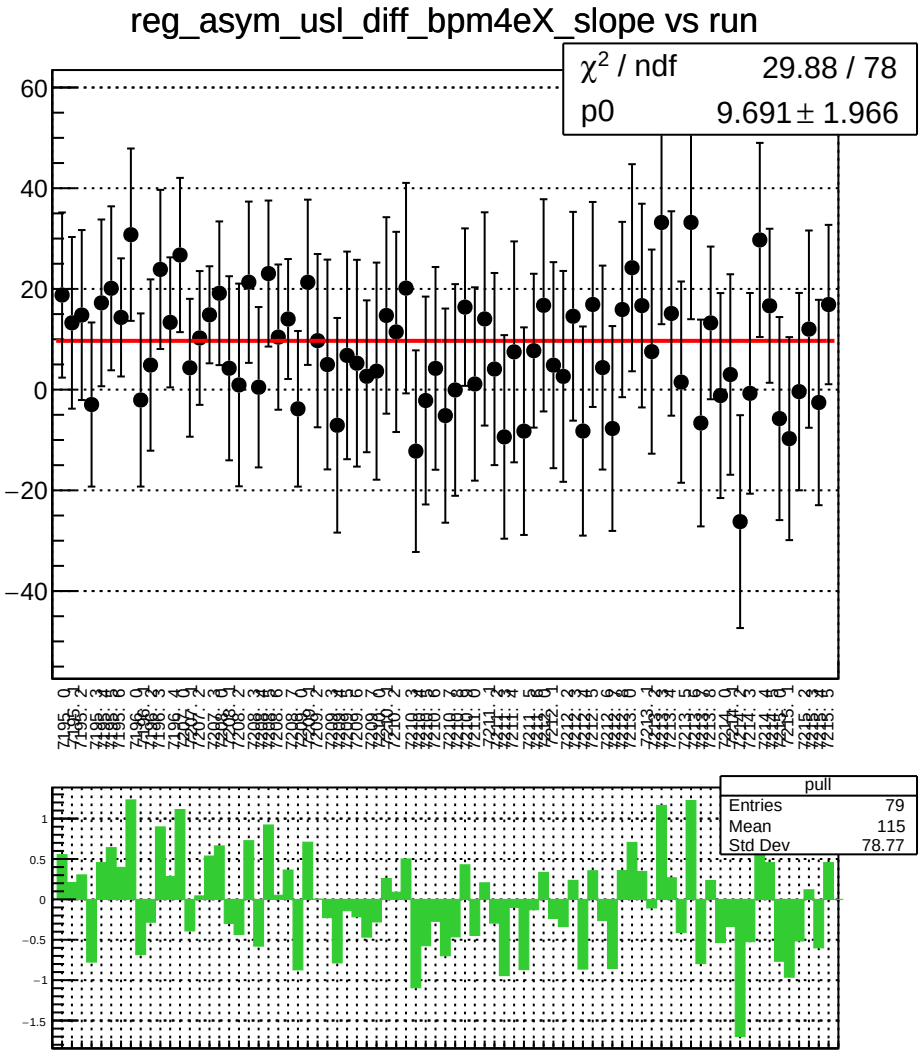

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 168.9 / 78
p0 0.1888 ± 0.009449
pull
Entries 79
Mean 735.2
Std Dev 718.9

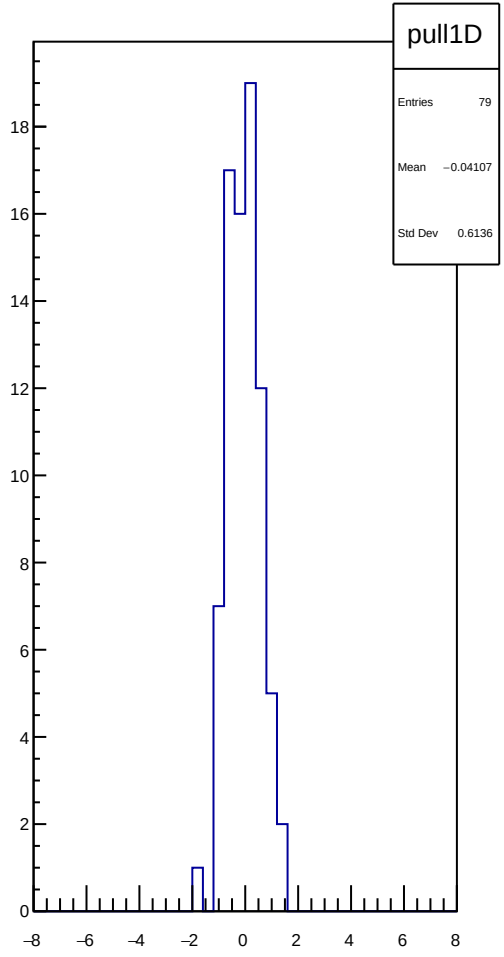

pull1D
Entries 79
Mean −0.009805
Std Dev 1.462

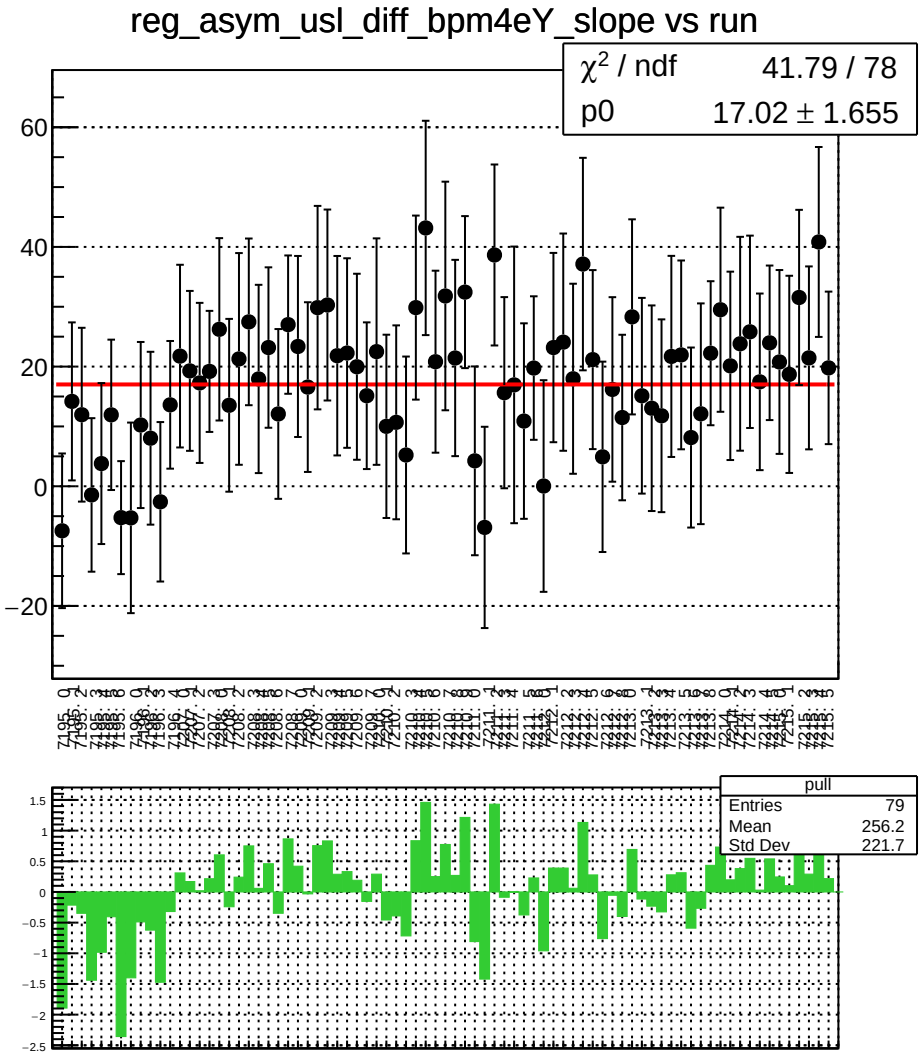

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 28.29 / 78
p0 −68.26 ± 1.953
pull
Entries 79
Mean 124.2
Std Dev 87.69
pull1D
Entries 79
Mean 0.0394
Std Dev 0.5971

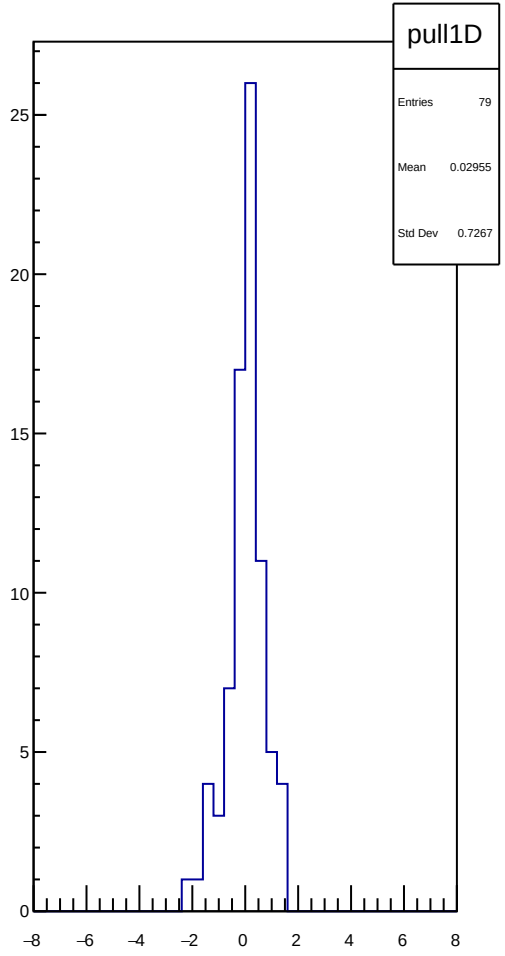

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 33.17 / 78
p0 3.23 ± 1.49
pull
Entries 79
Mean 249.9
Std Dev 215.1

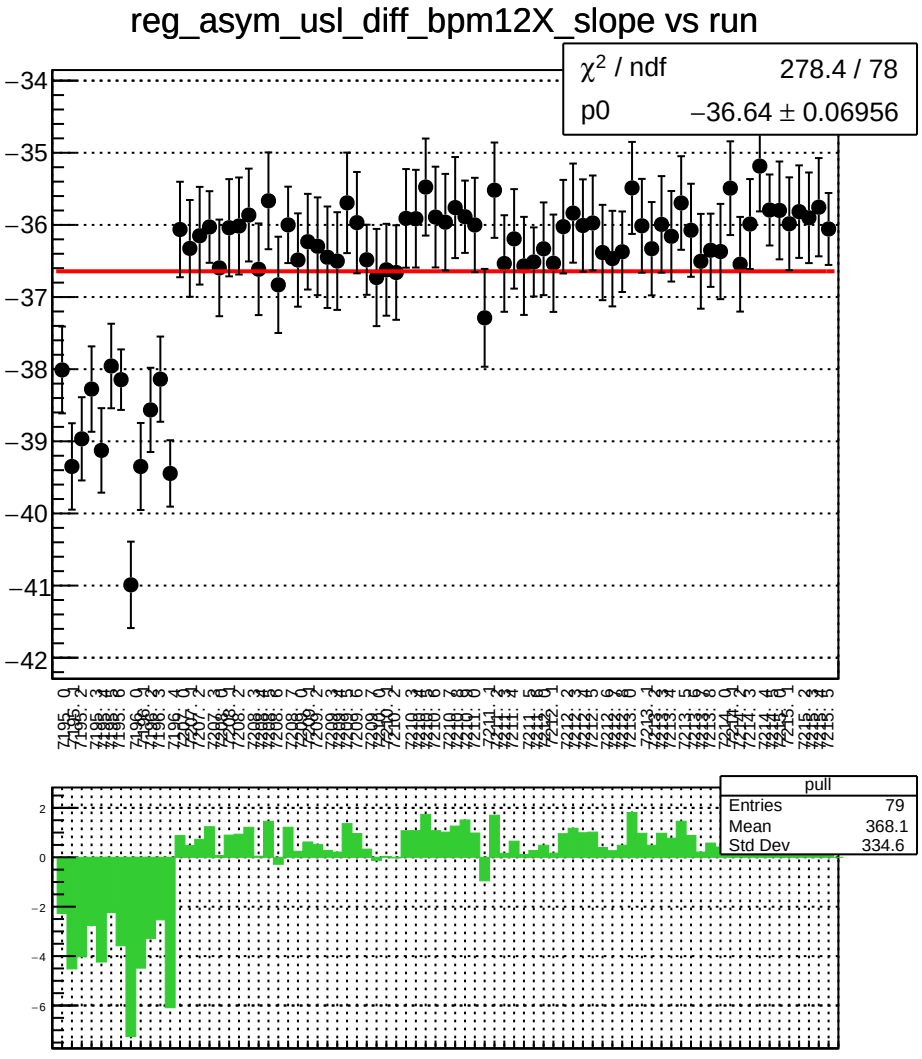

pull1D
Entries 79
Mean −0.02248
Std Dev 0.6476

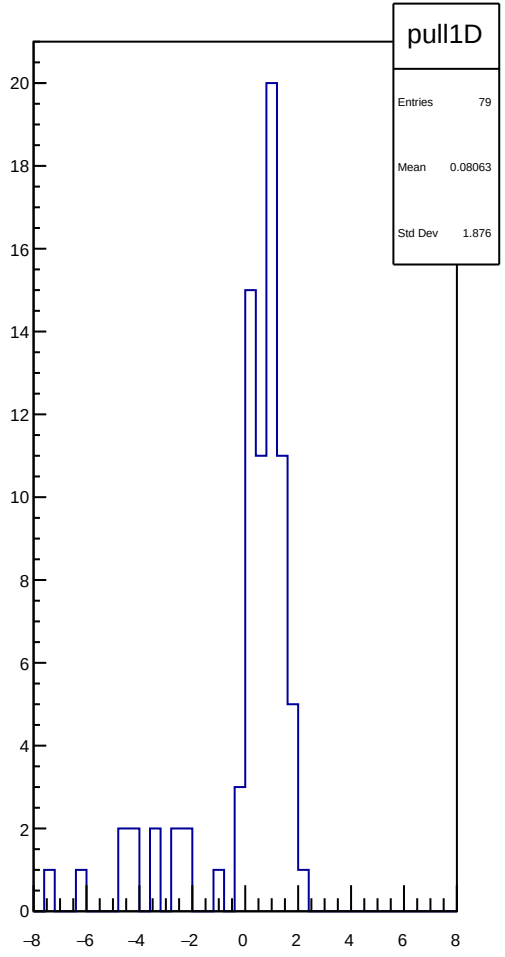

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 29.88 / 78
p0 9.691 ± 1.966
pull
Entries 79
Mean 115
Std Dev 78.77

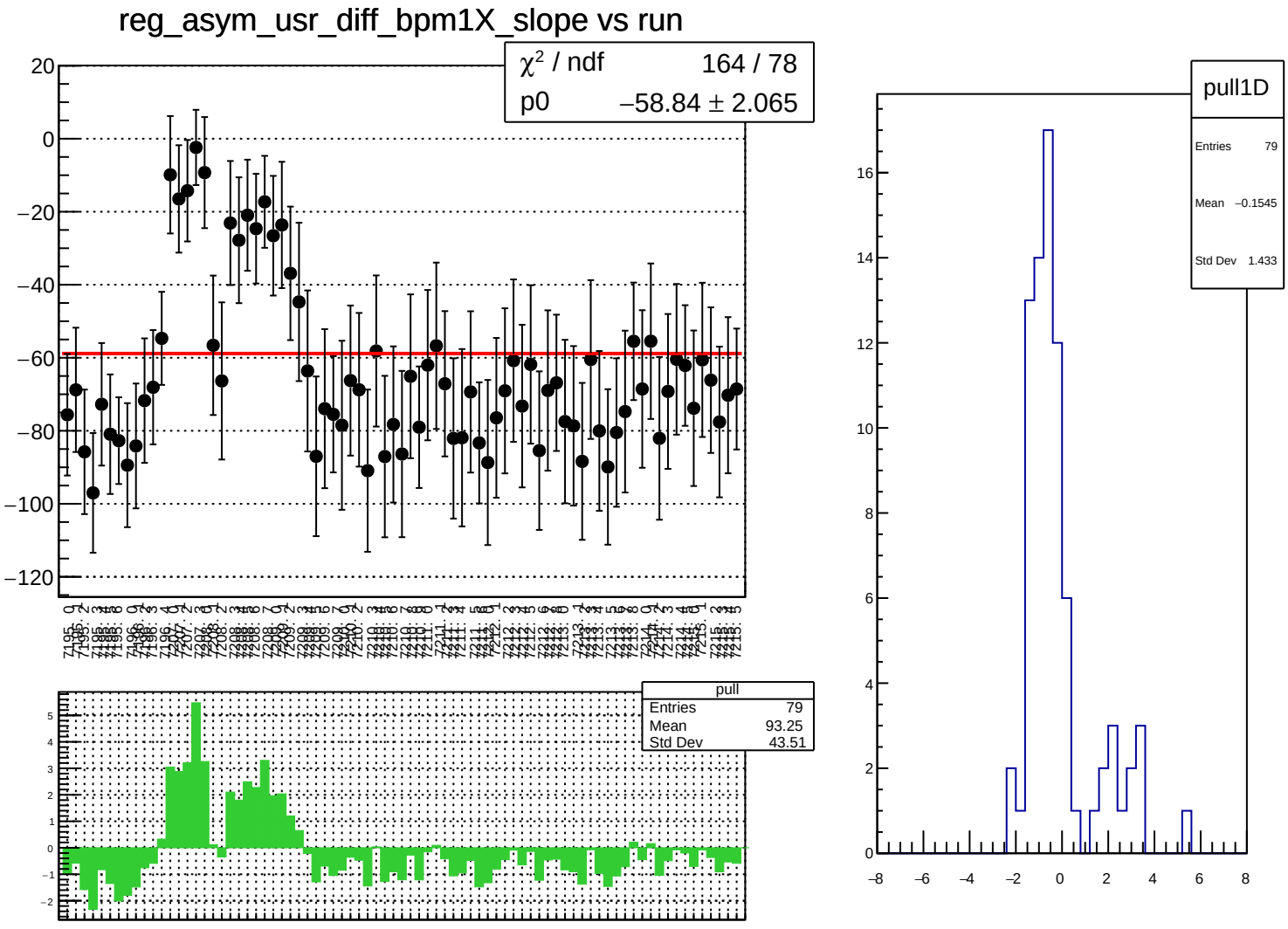

pull1D
Entries 79
Mean −0.04107
Std Dev 0.6136

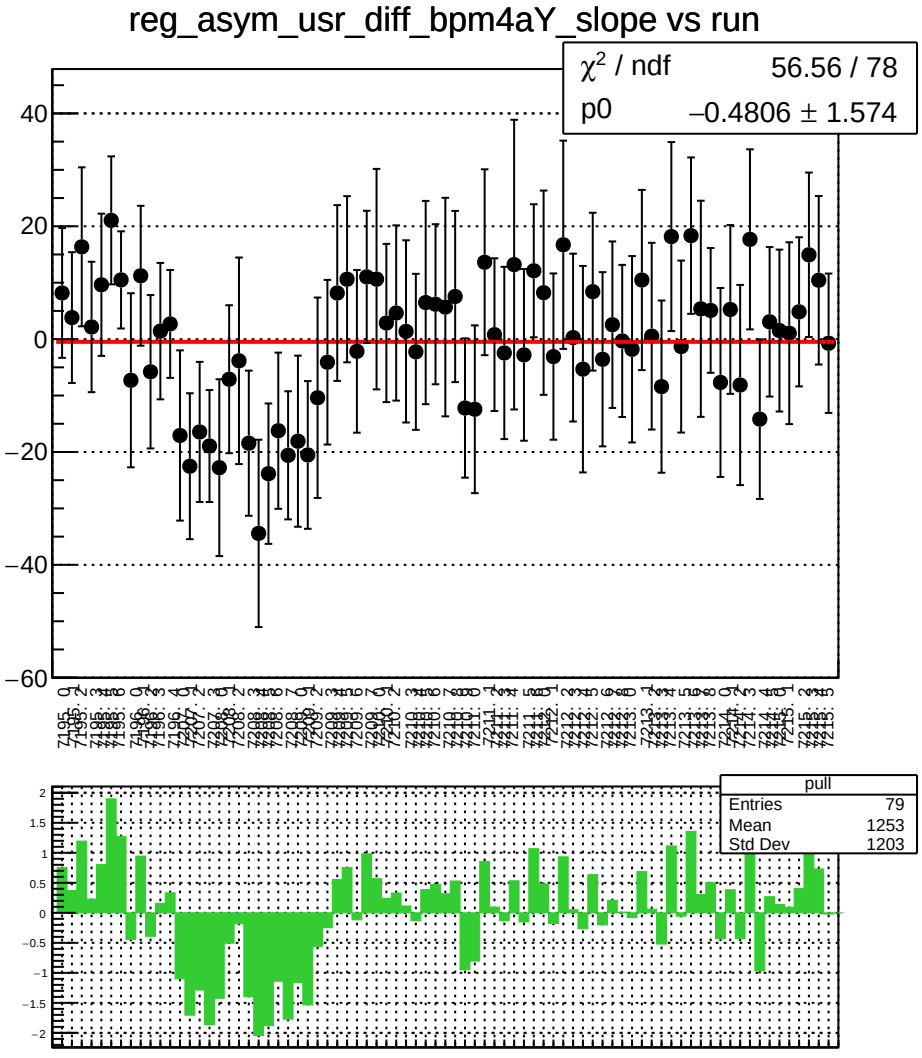

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 41.79 / 78
p0 17.02 ± 1.655
pull
Entries 79
Mean 256.2
Std Dev 221.7

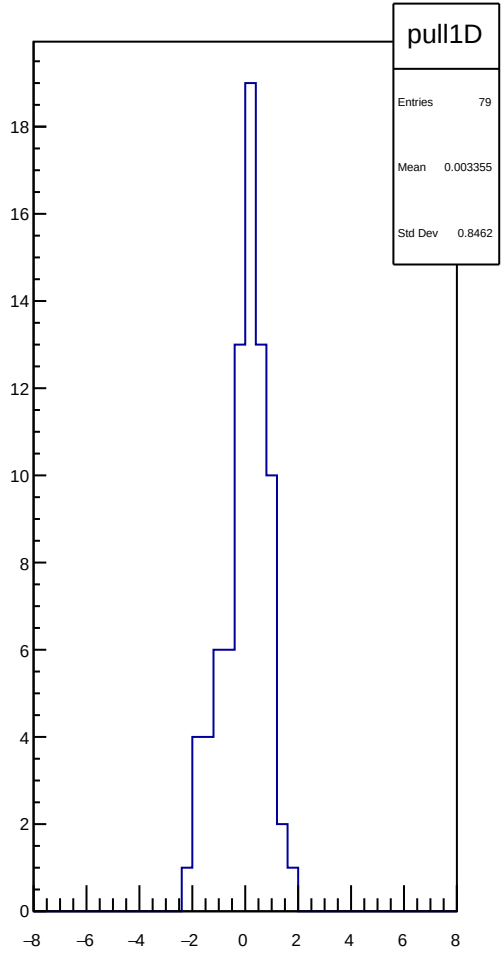

pull1D
Entries 79
Mean 0.02955
Std Dev 0.7267

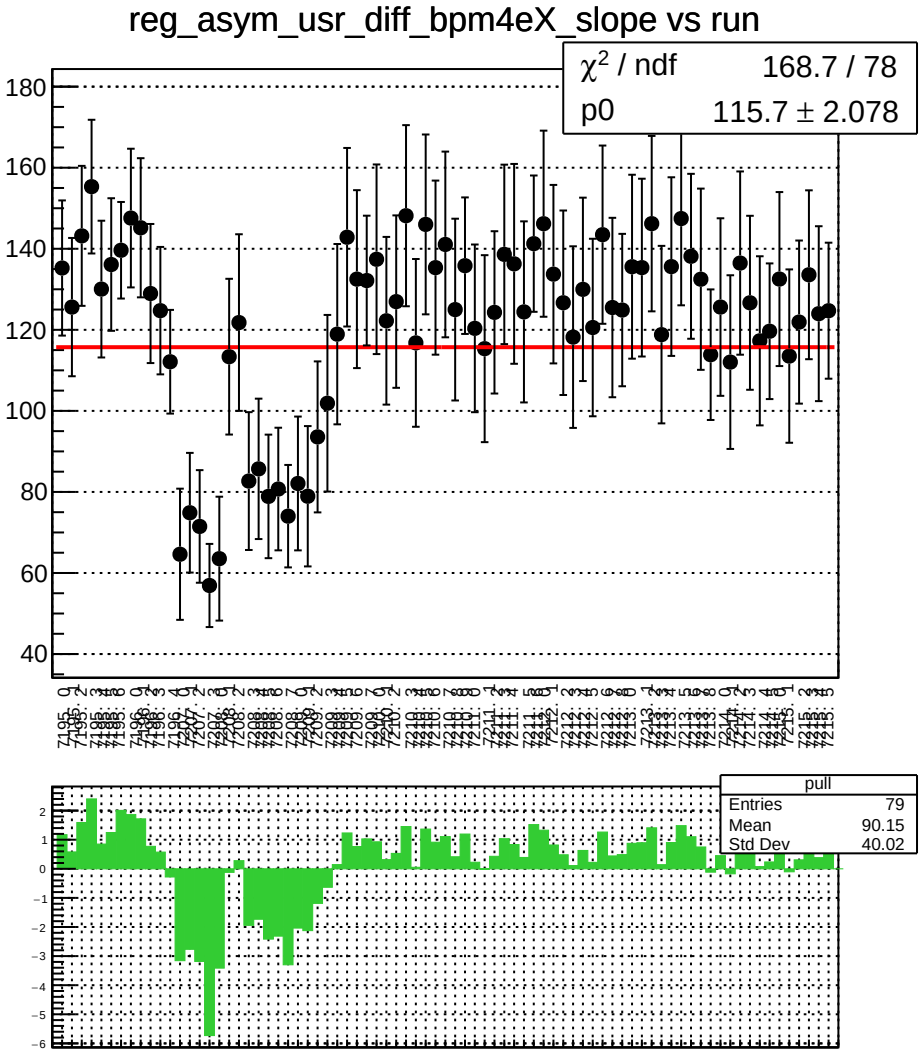

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 278.4 / 78
p0 −36.64 ± 0.06956
pull
Entries 79
Mean 368.1
Std Dev 334.6

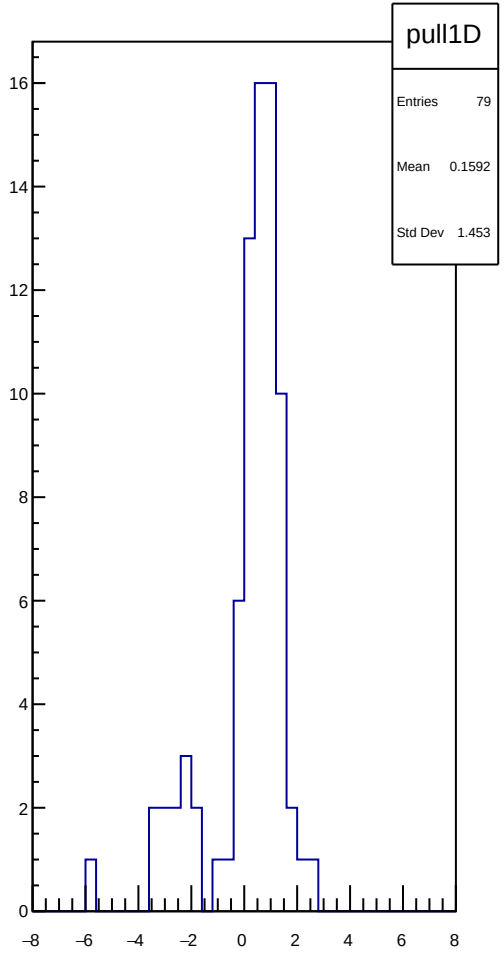

pull1D
Entries 79
Mean 0.08063
Std Dev 1.876

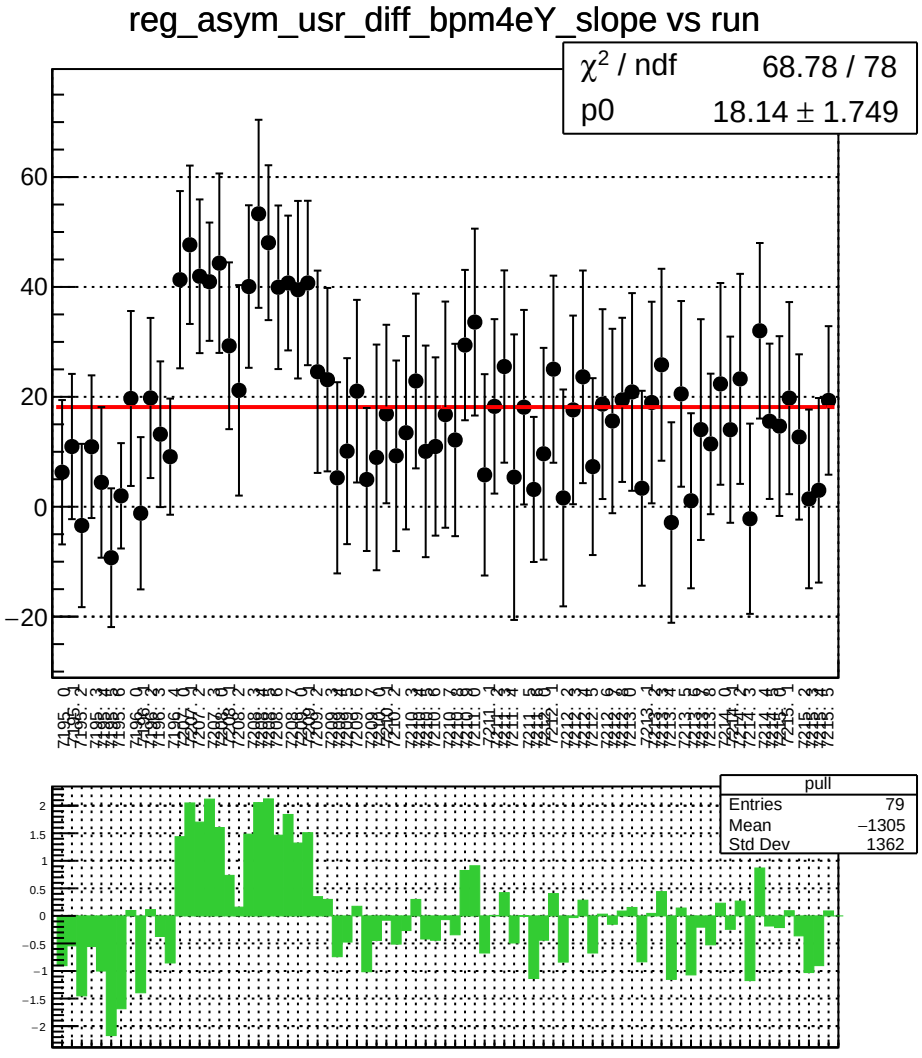

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 164 / 78
p0 −58.84 ± 2.065
pull
Entries 79
Mean 93.25
Std Dev 43.51
pull1D
Entries 79
Mean −0.1545
Std Dev 1.433

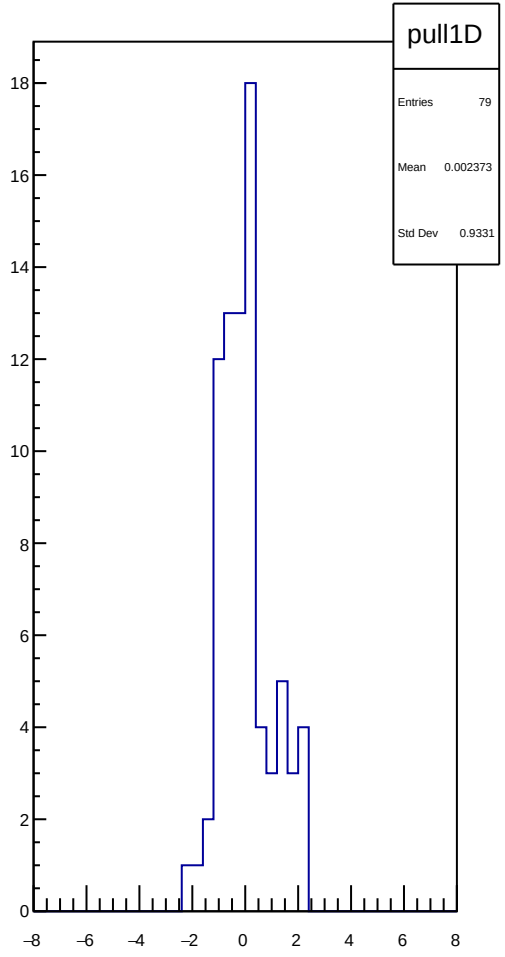

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 56.56 / 78
p0 −0.4806 ± 1.574
pull
Entries 79
Mean 1253
Std Dev 1203

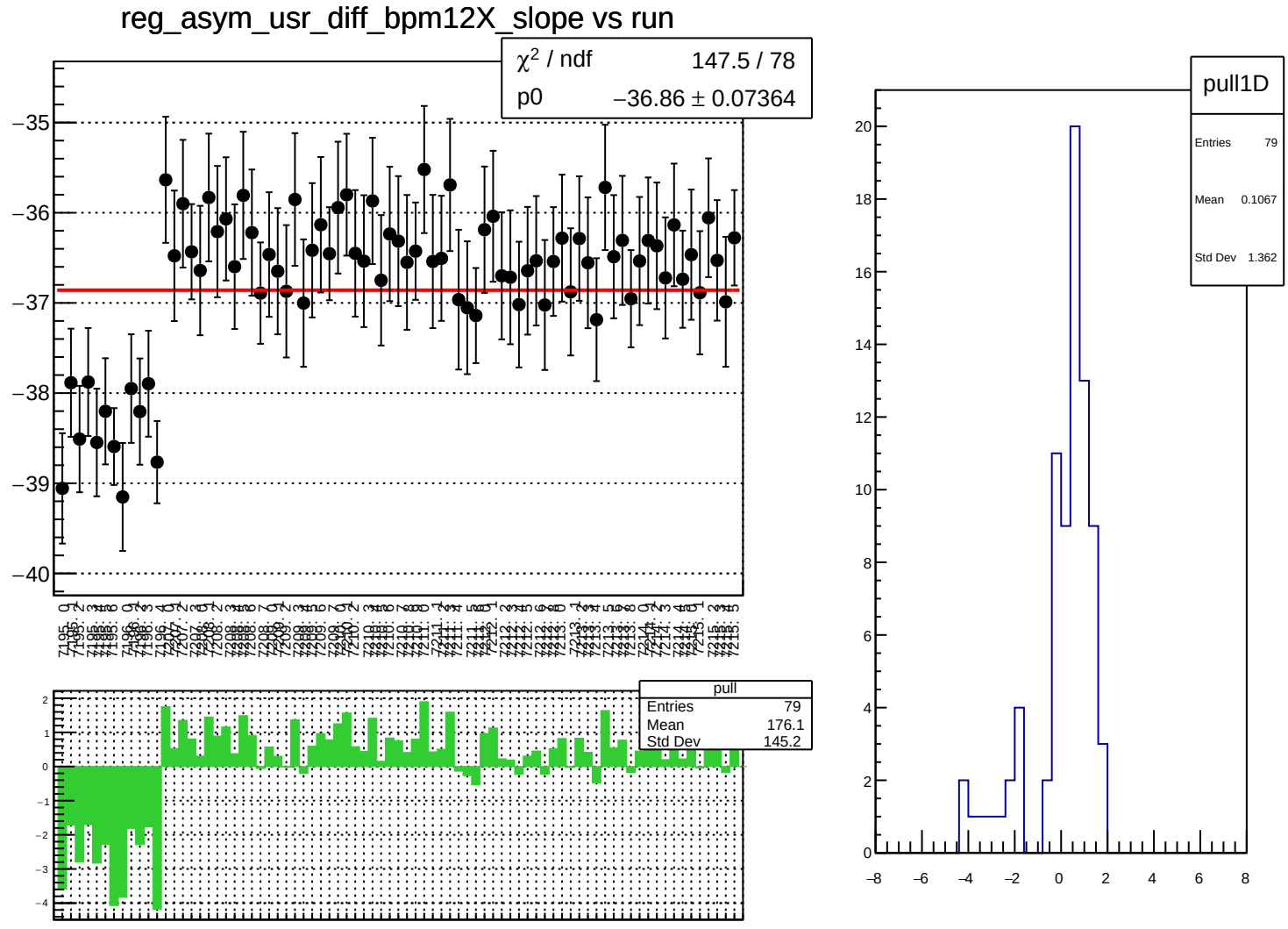

pull1D
Entries 79
Mean 0.003355
Std Dev 0.8462


reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 168.7 / 78
p0 115.7 ± 2.078
pull
Entries 79
Mean 90.15
Std Dev 40.02

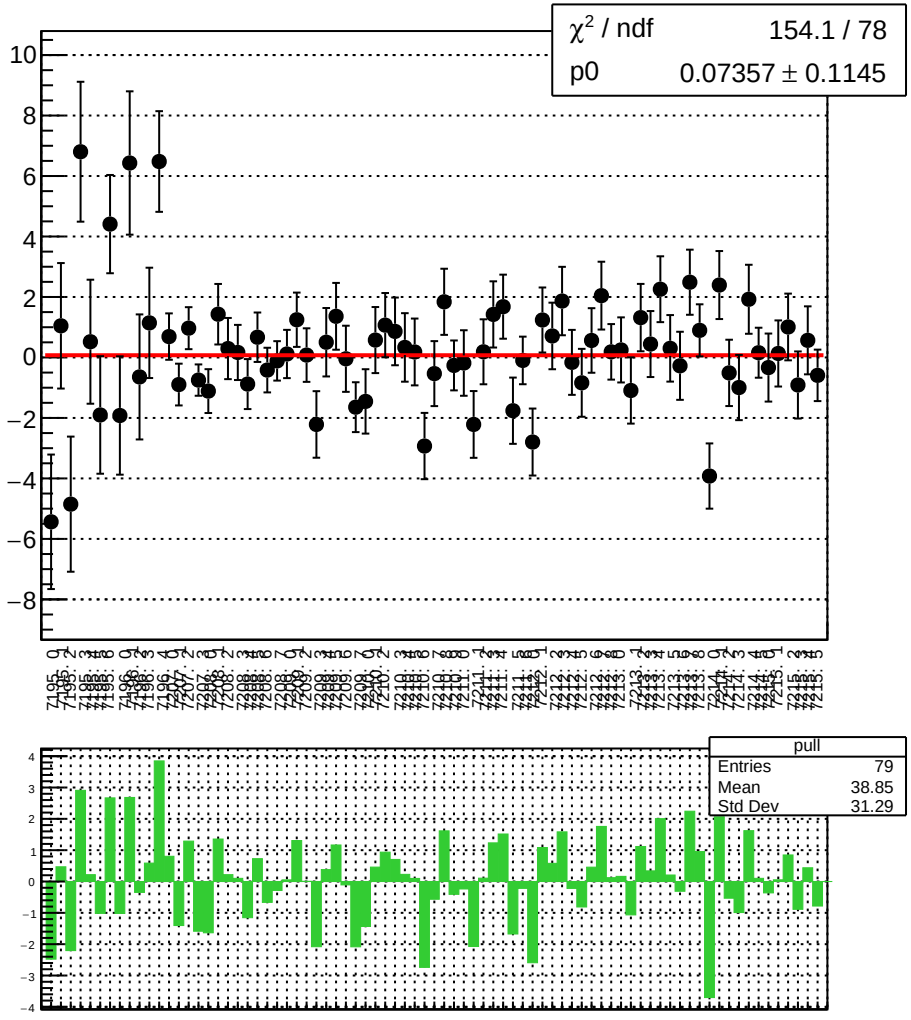

pull1D
Entries 79
Mean 0.1592
Std Dev 1.453

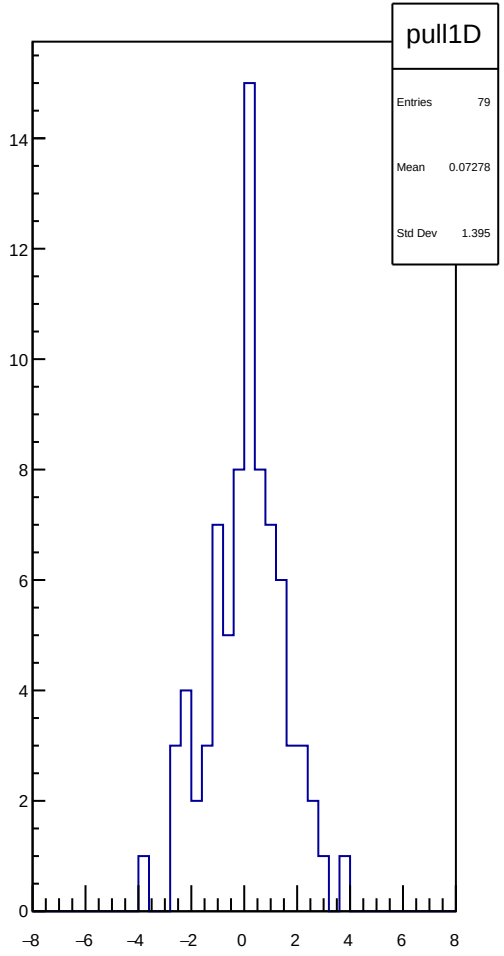

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 68.78 / 78
p0 18.14 ± 1.749
pull
Entries 79
Mean −1305
Std Dev 1362

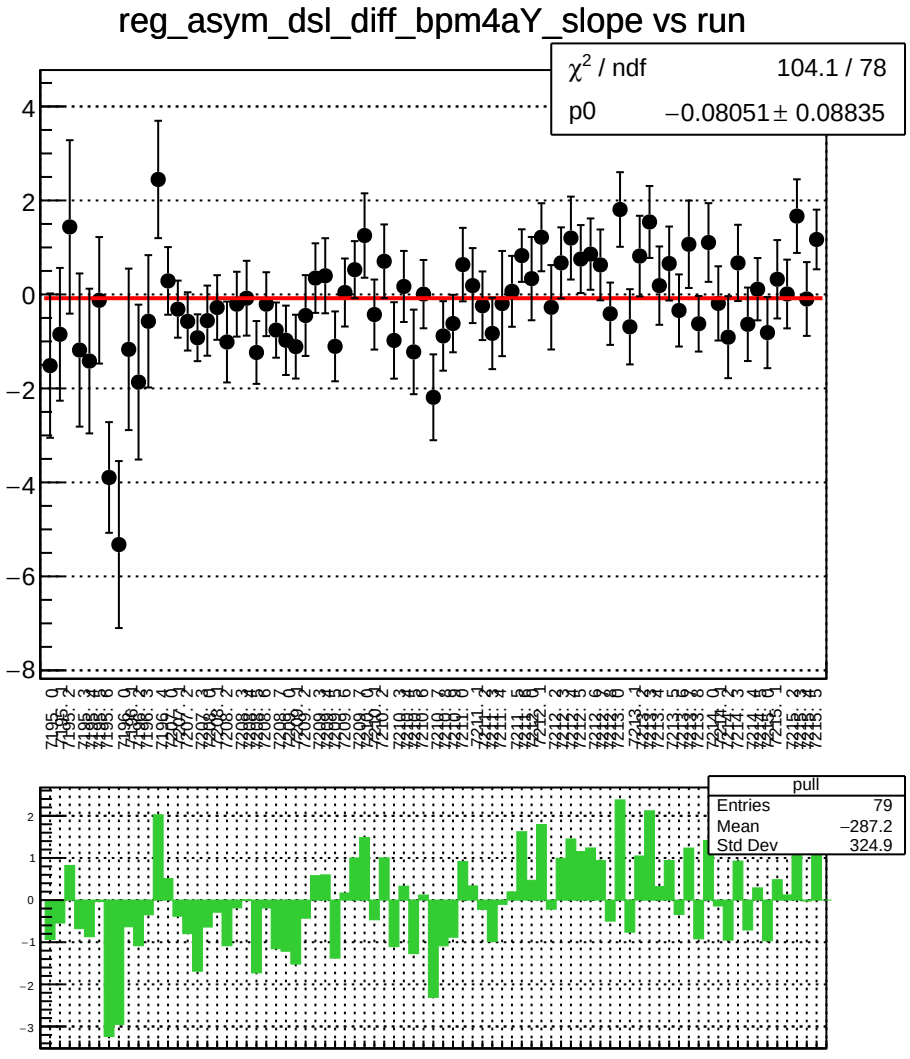

pull1D
Entries 79
Mean 0.002373
Std Dev 0.9331

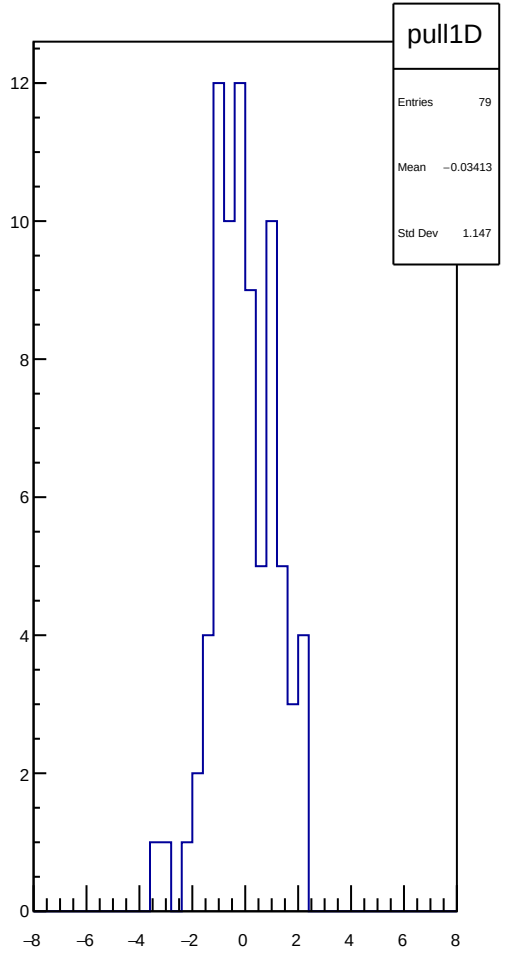

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 147.5 / 78
p0 −36.86 ± 0.07364
pull
Entries 79
Mean 176.1
Std Dev 145.2
pull1D
Entries 79
Mean 0.1067
Std Dev 1.362

reg_asym_dsl_diff_bpm1X_slope vs run

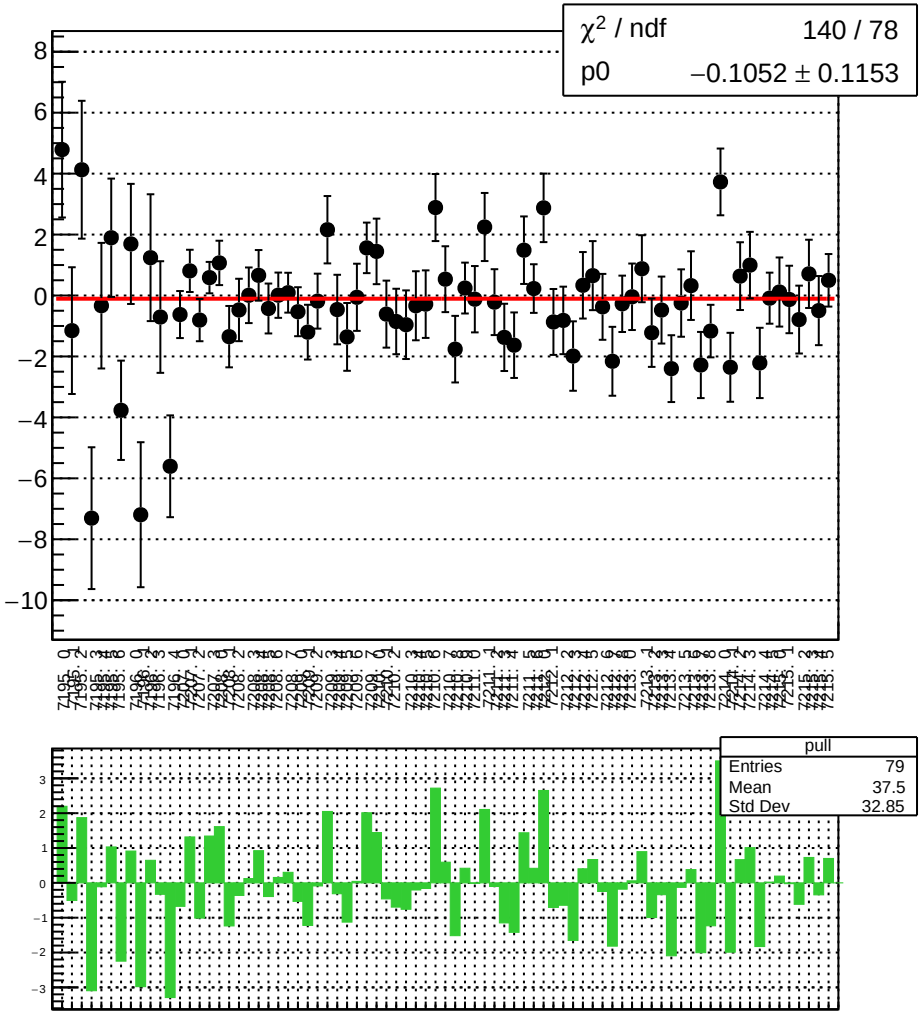


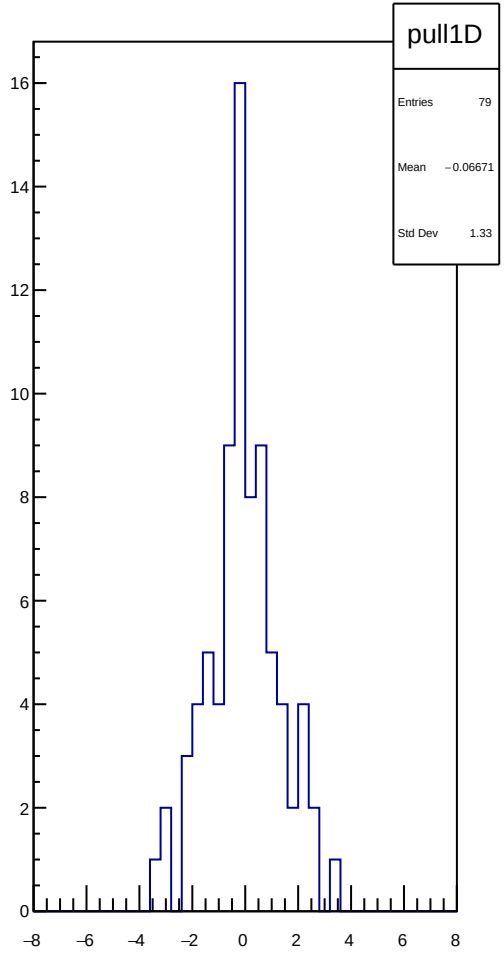


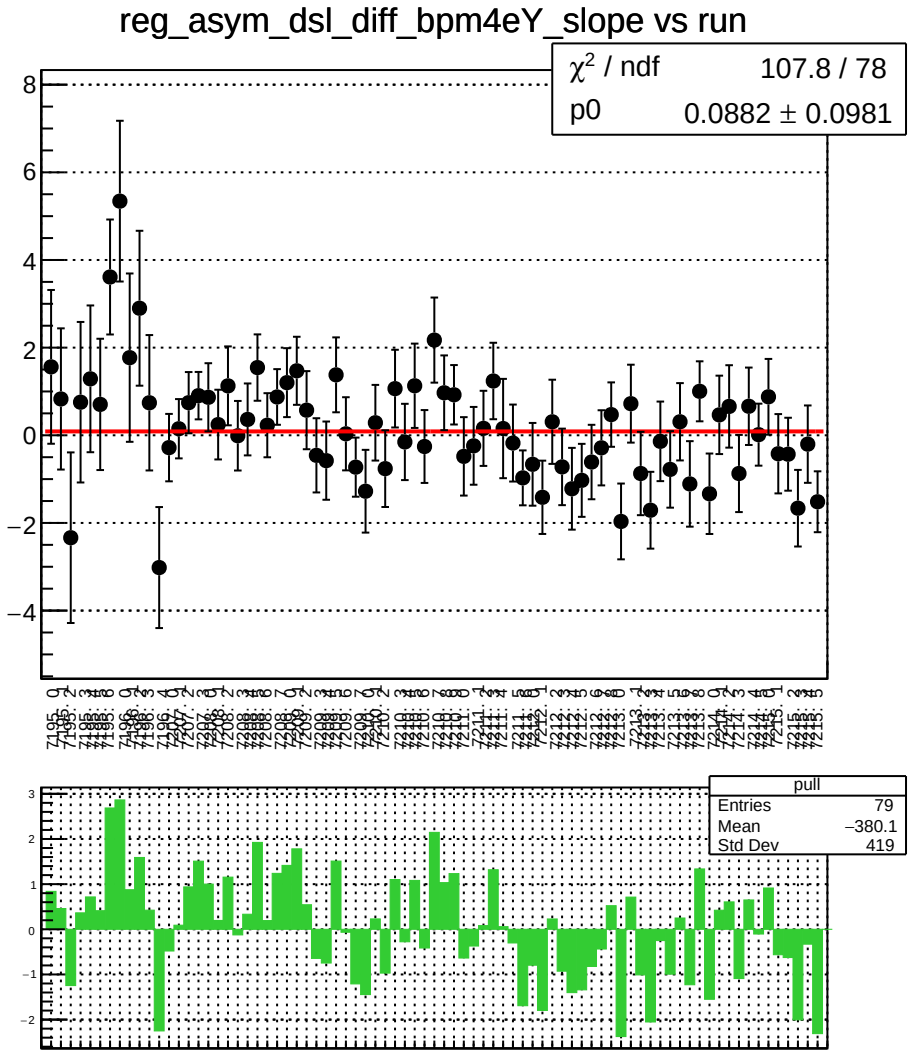

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 104.1 / 78
p0 −0.08051 ± 0.08835
pull
Entries 79
Mean −287.2
Std Dev 324.9

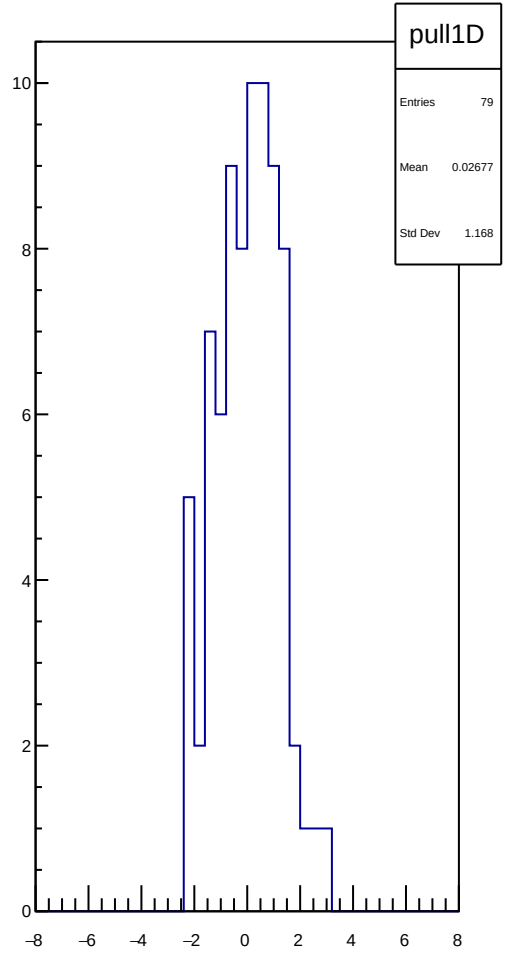

pull1D
Entries 79
Mean −0.03413
Std Dev 1.147

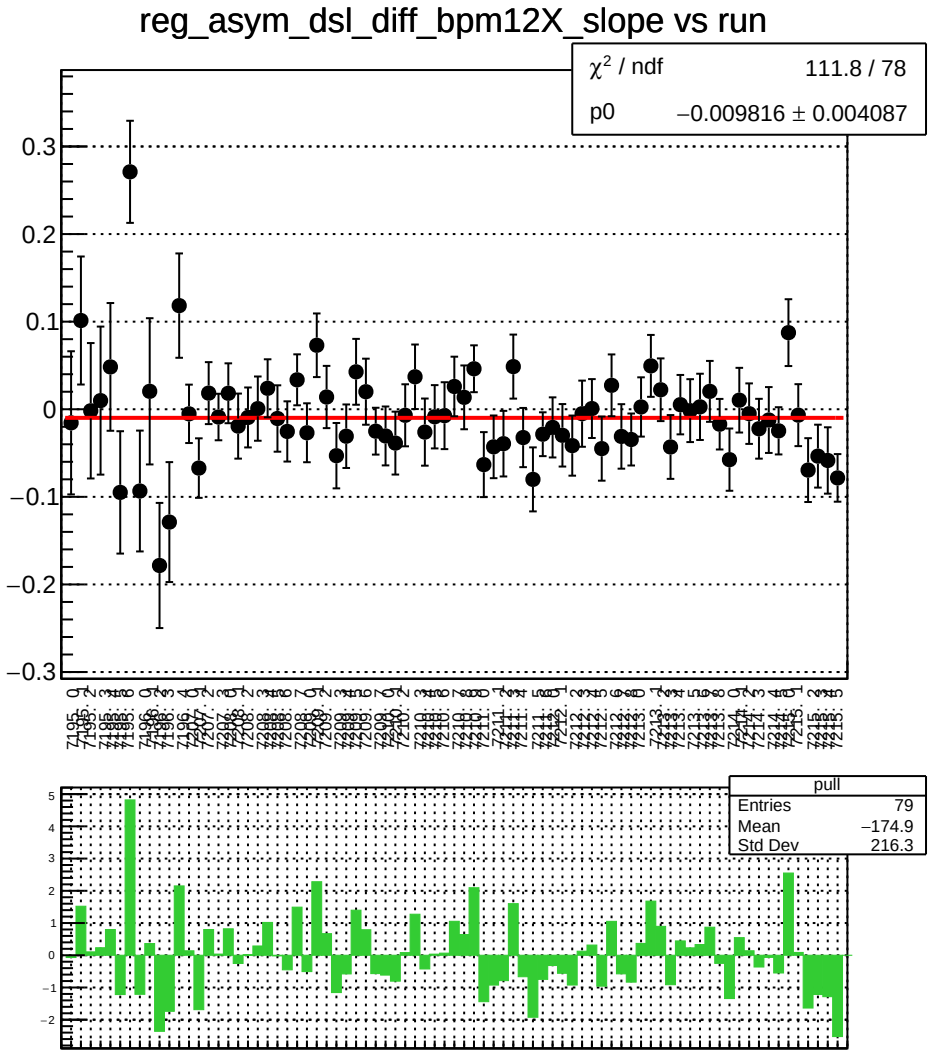
reg_asym_dsl_diff_bpm4eX_slope vs run

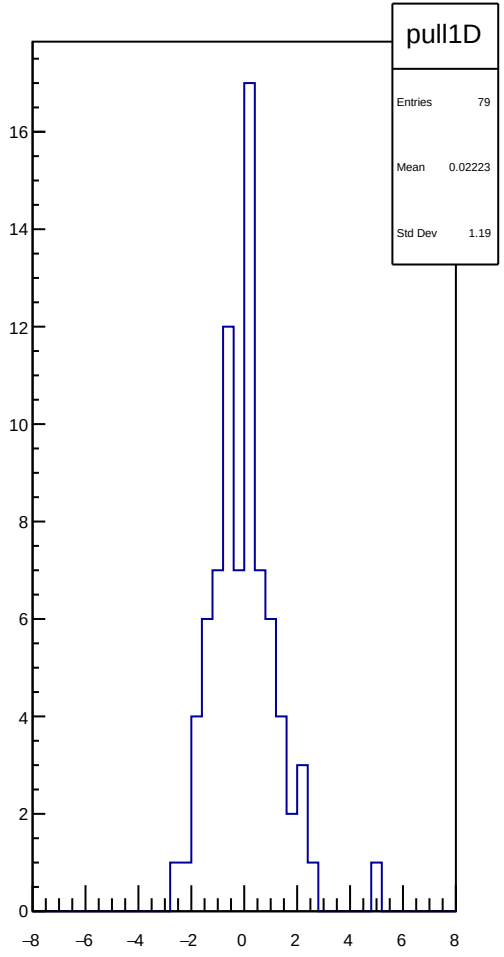




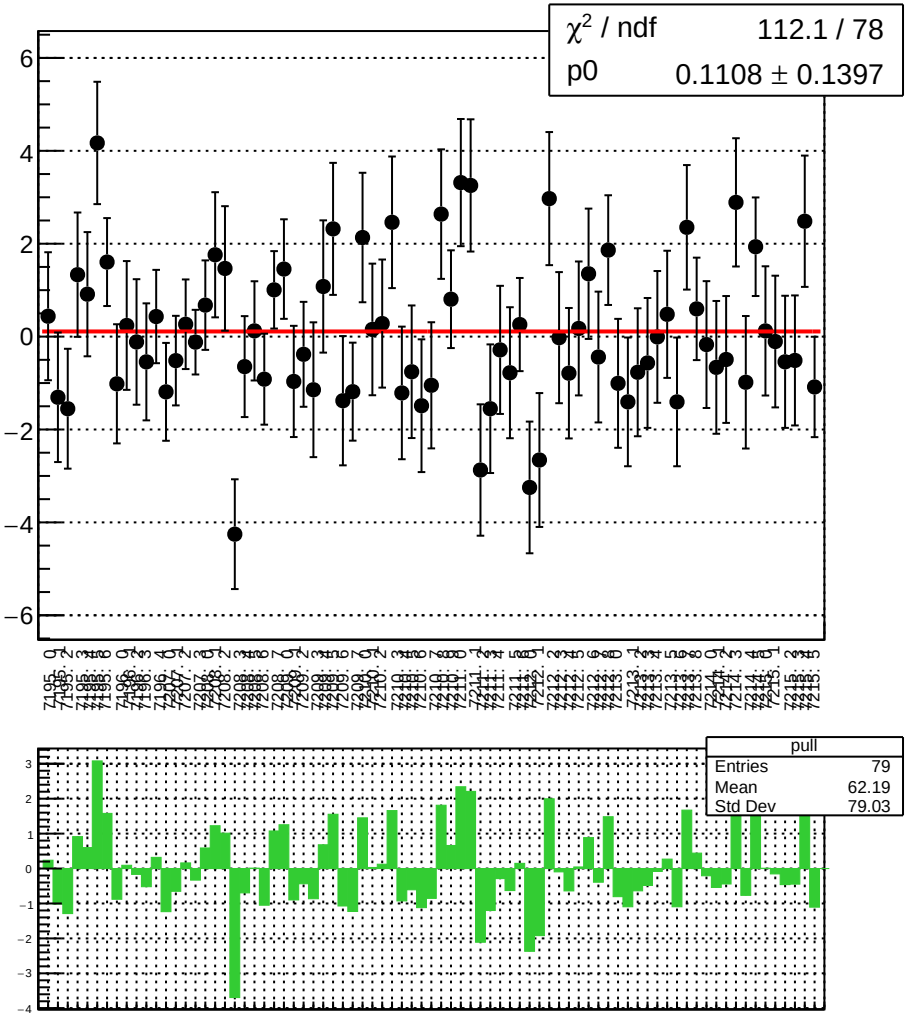

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 107.8 / 78
p0 0.0882 ± 0.0981
pull
Entries 79
Mean −380.1
Std Dev 419

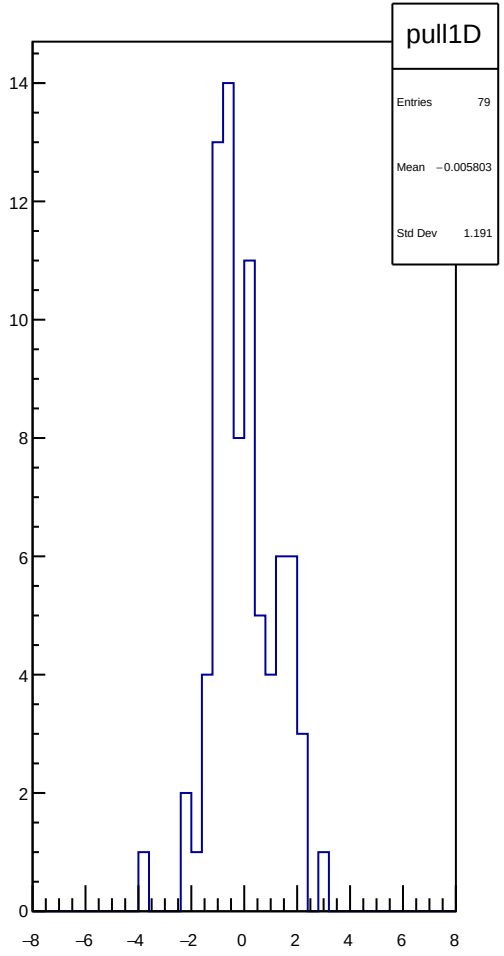

pull1D
Entries 79
Mean 0.02677
Std Dev 1.168

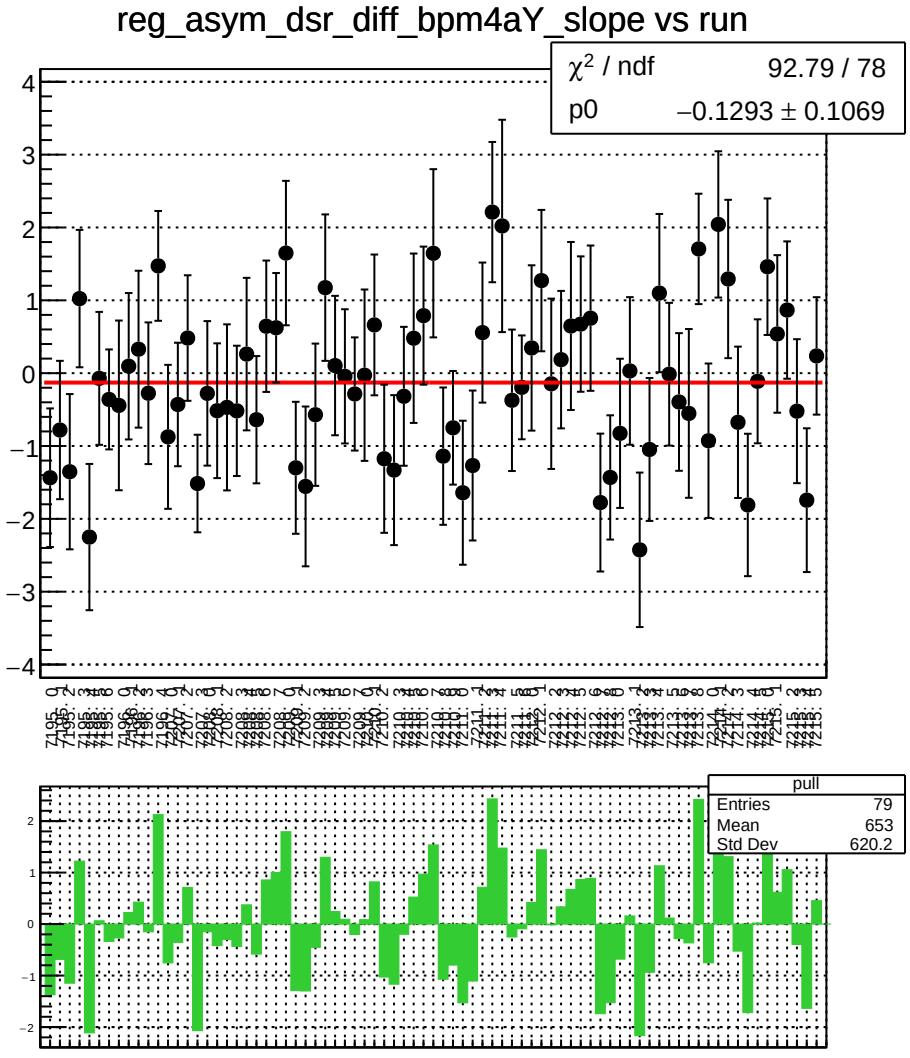

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 111.8 / 78
p0 −0.009816 ± 0.004087
pull
Entries 79
Mean −174.9
Std Dev 216.3

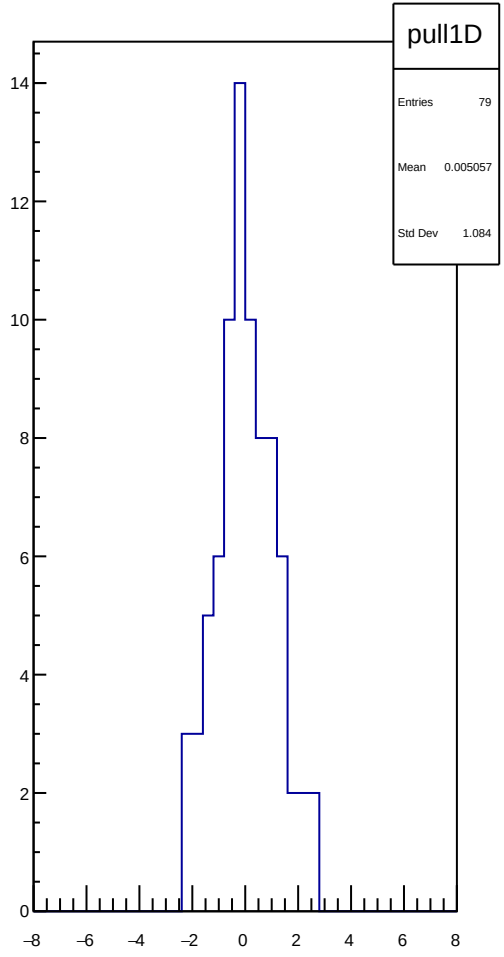

pull1D
Entries 79
Mean 0.02223
Std Dev 1.19

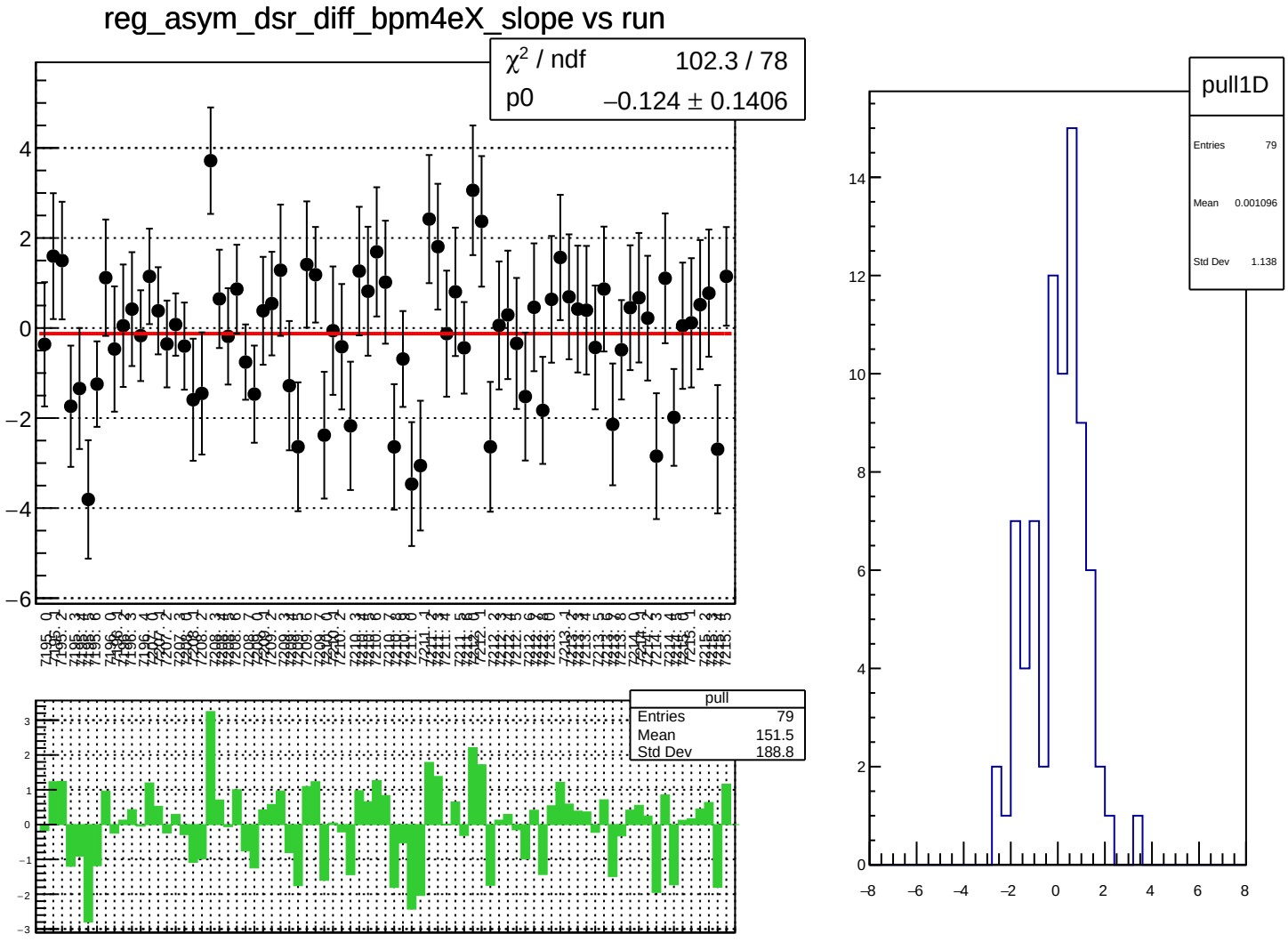
reg_asym_dsr_diff_bpm1X_slope vs run



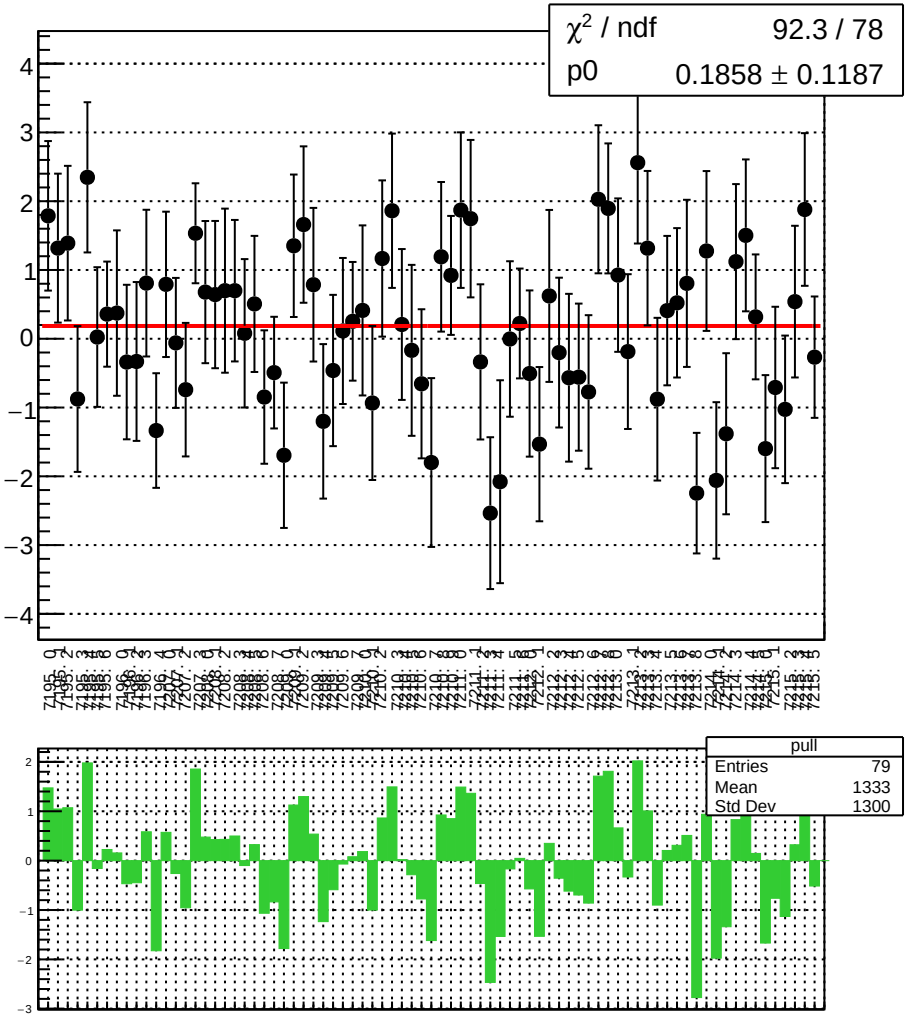


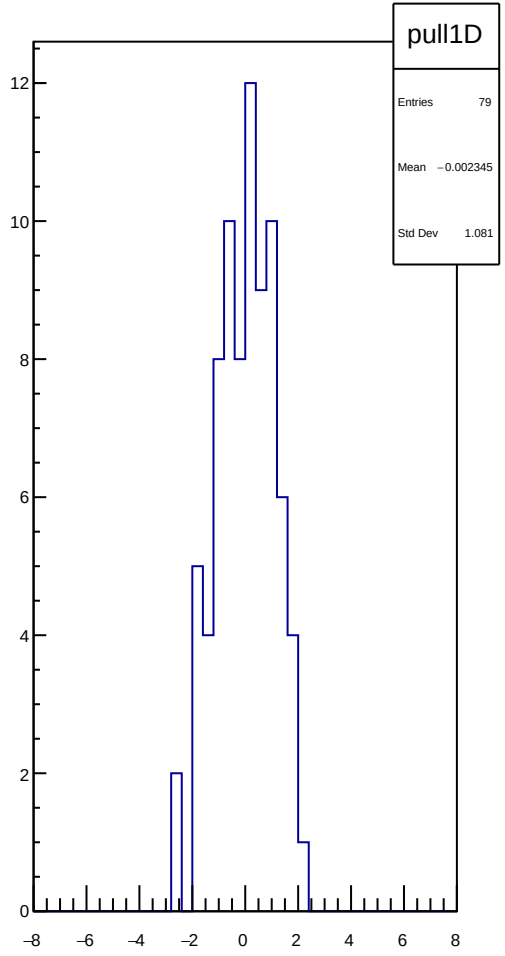

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 92.79 / 78
p0 −0.1293 ± 0.1069
pull
Entries 79
Mean 653
Std Dev 620.2

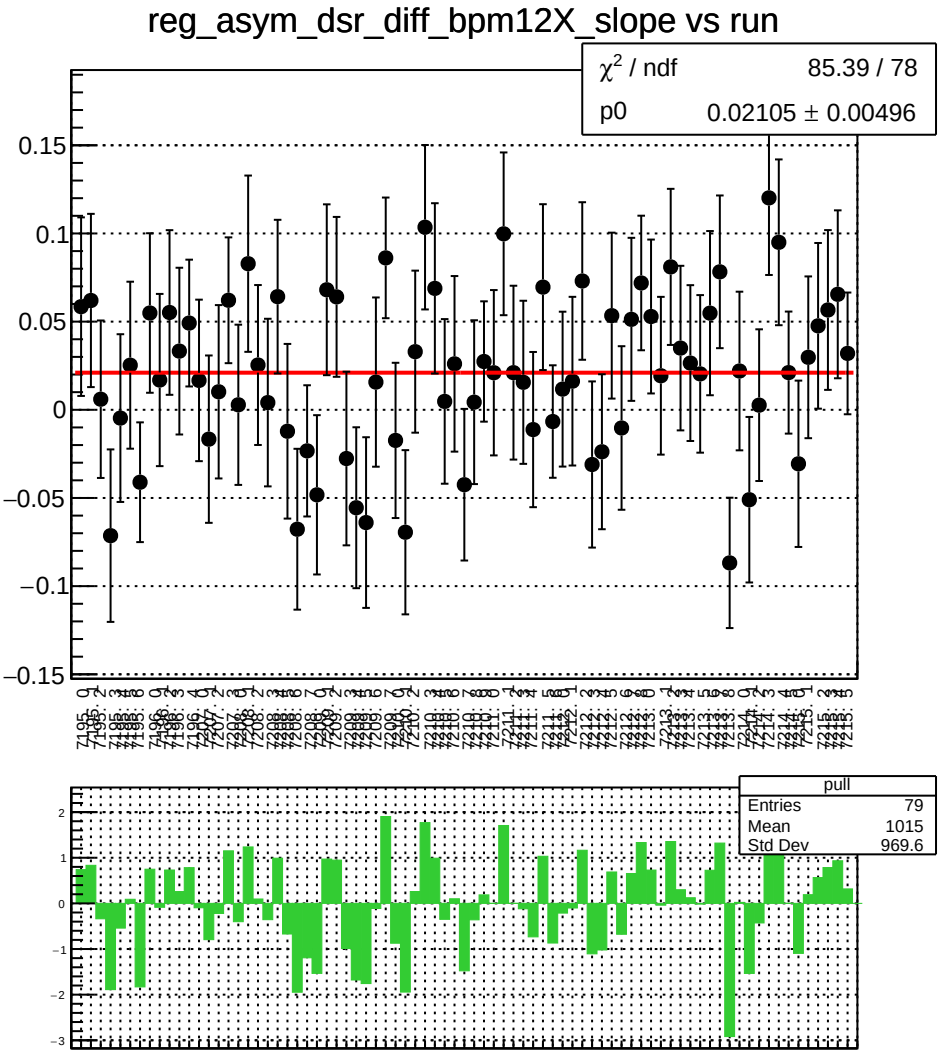

pull1D
Entries 79
Mean 0.005057
Std Dev 1.084

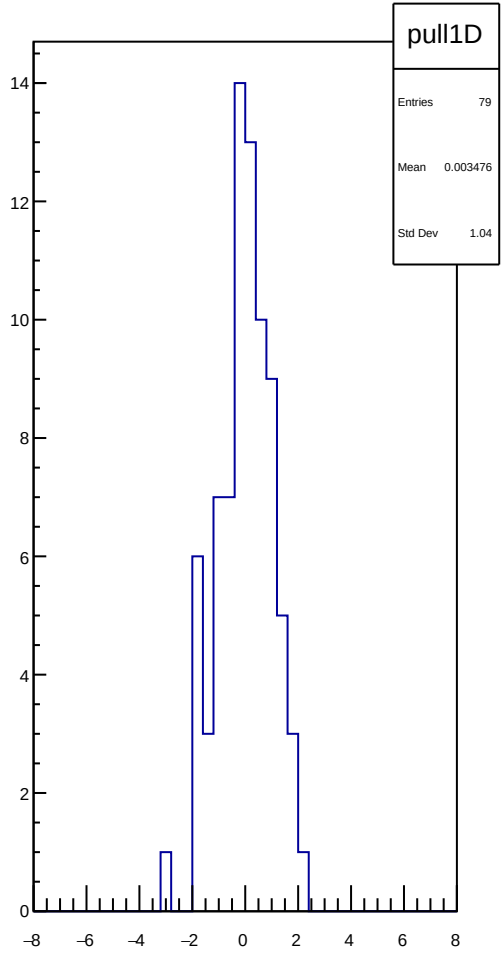

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 102.3 / 78
p0 −0.124 ± 0.1406
pull
Entries 79
Mean 151.5
Std Dev 188.8
pull1D
Entries 79
Mean 0.001096
Std Dev 1.138

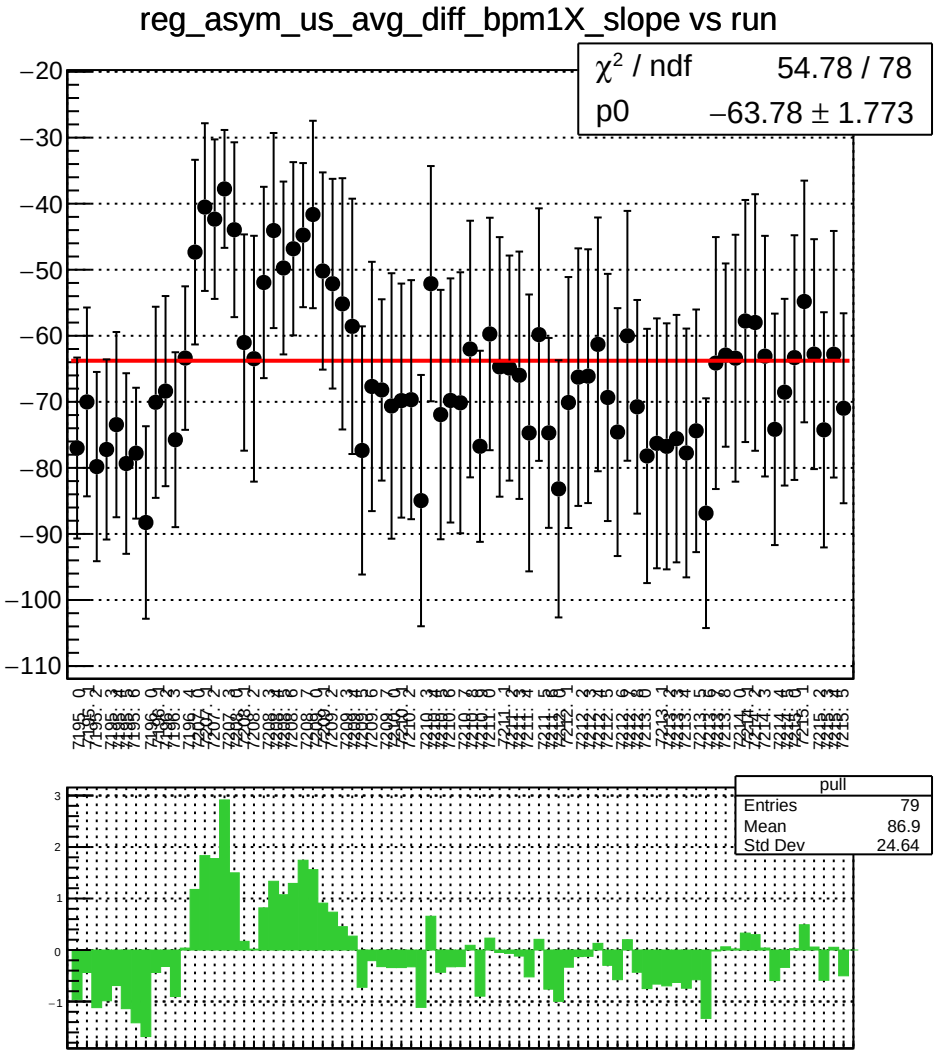
reg_asym_dsr_diff_bpm4eY_slope vs run

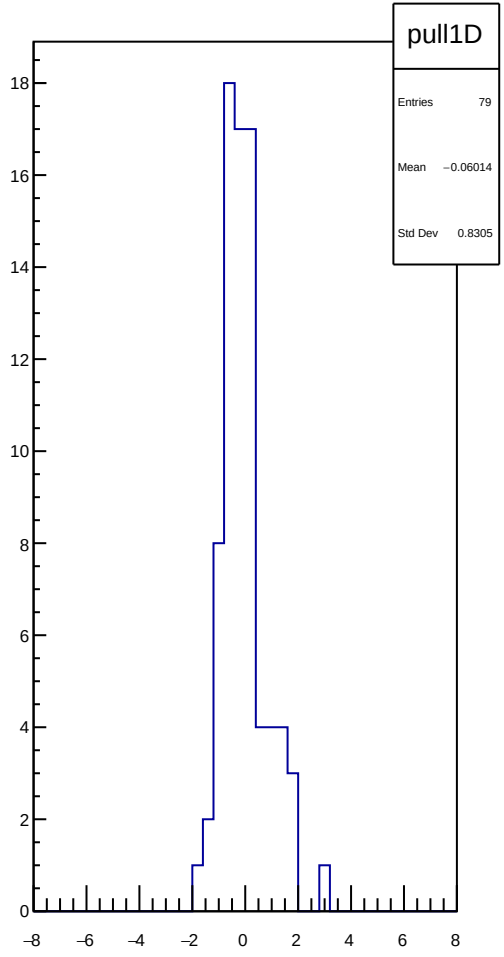


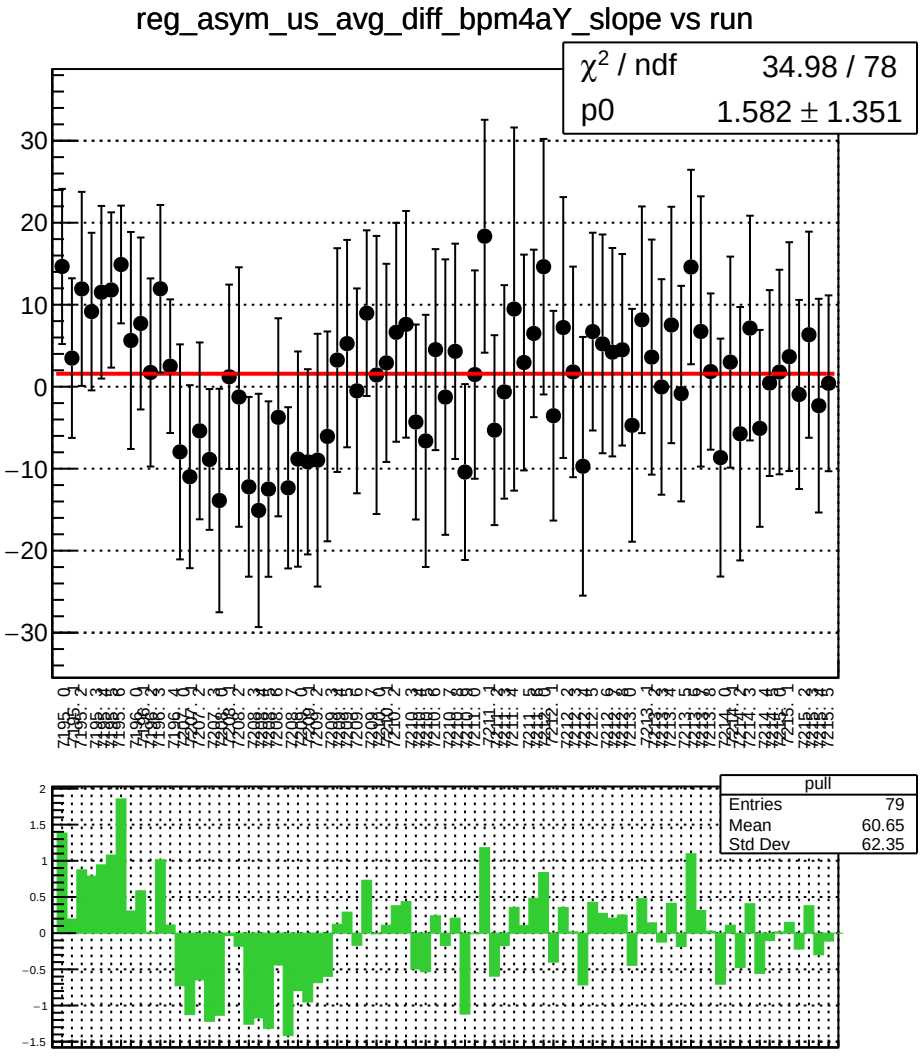


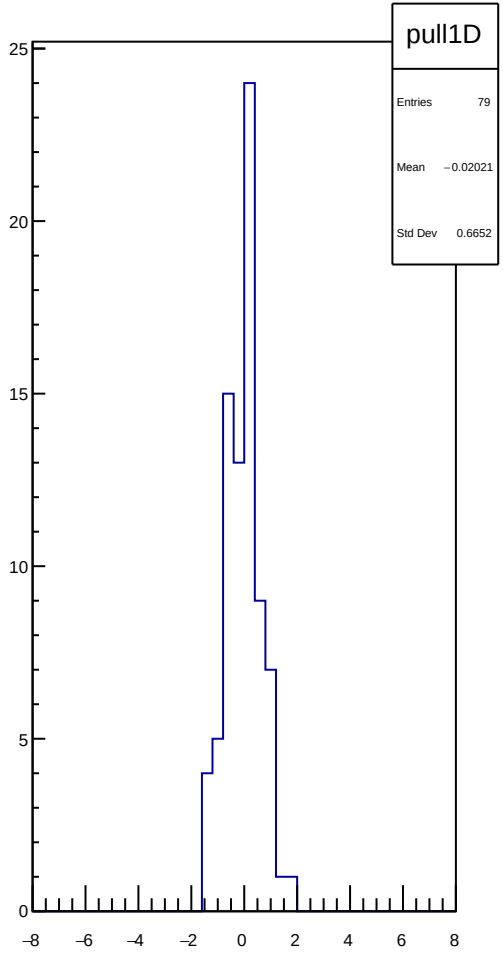

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 85.39 / 78
p0 0.02105 ± 0.00496
pull
Entries 79
Mean 1015
Std Dev 969.6

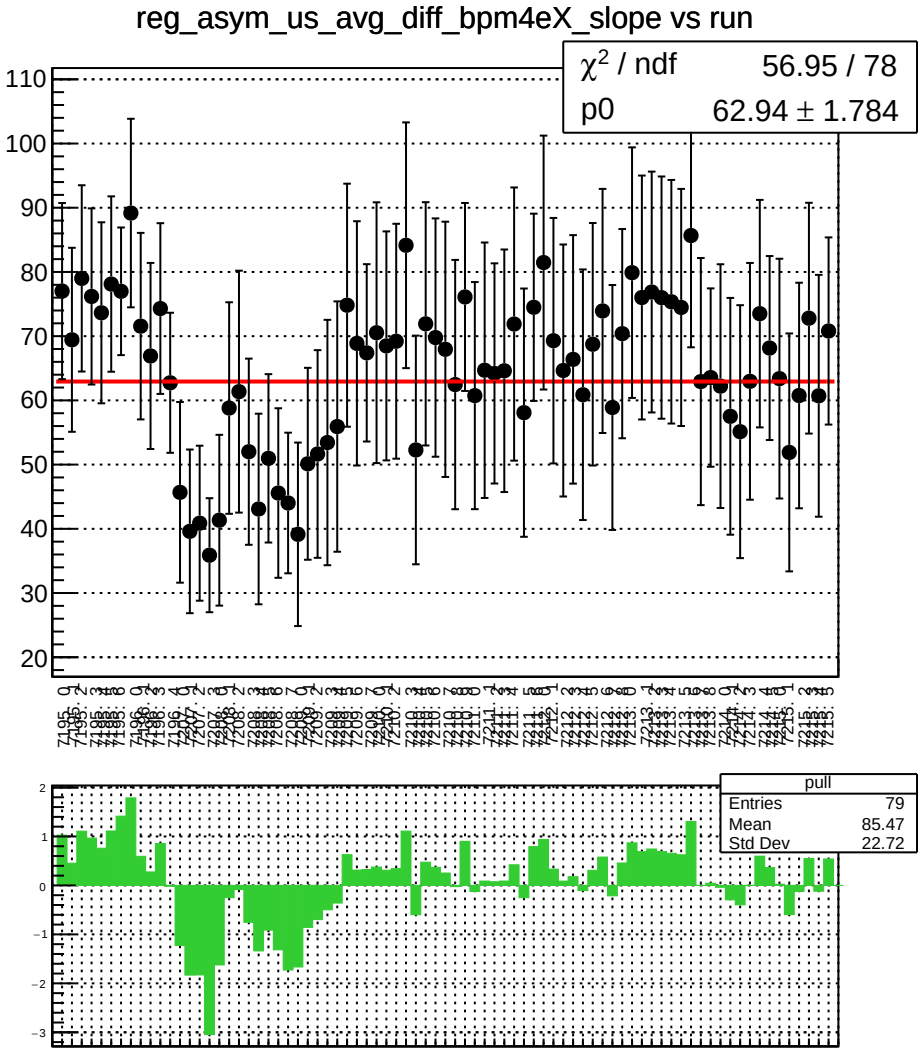

pull1D
Entries 79
Mean 0.003476
Std Dev 1.04

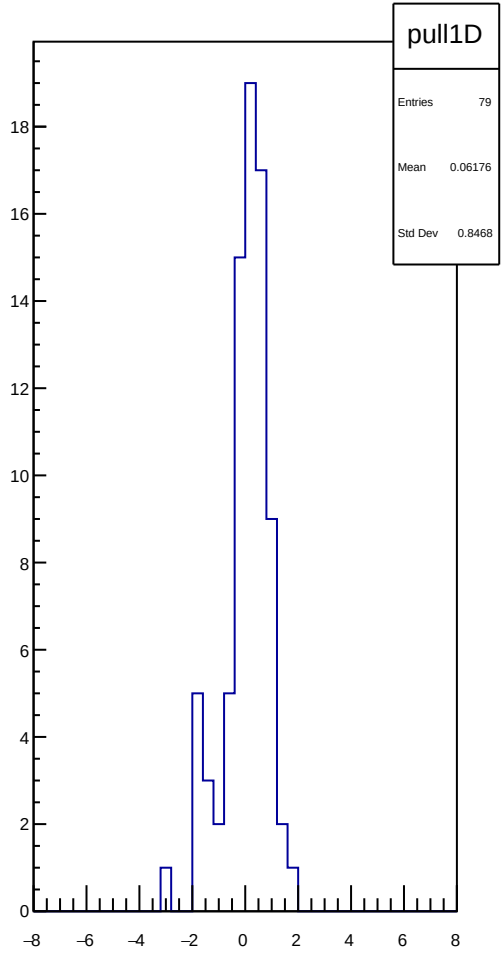

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 54.78 / 78
p0 −63.78 ± 1.773
pull
Entries 79
Mean 86.9
Std Dev 24.64

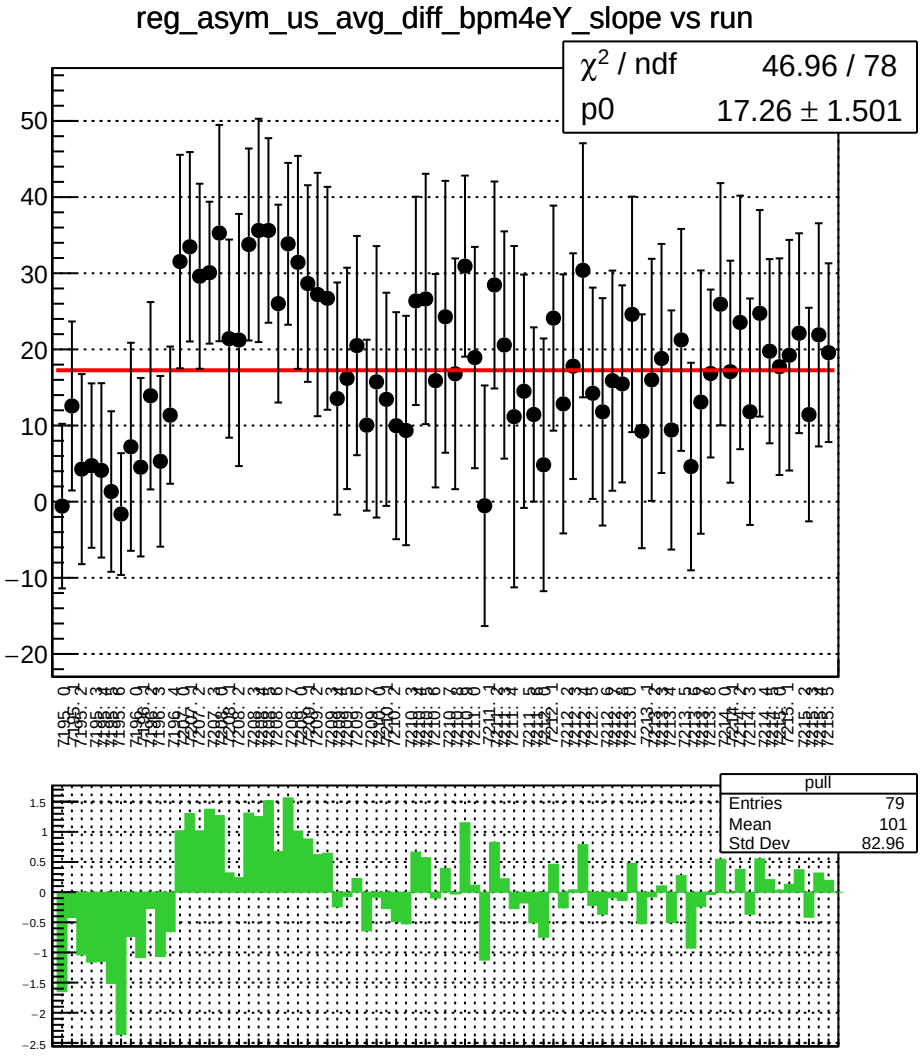

pull1D
Entries 79
Mean −0.06014
Std Dev 0.8305

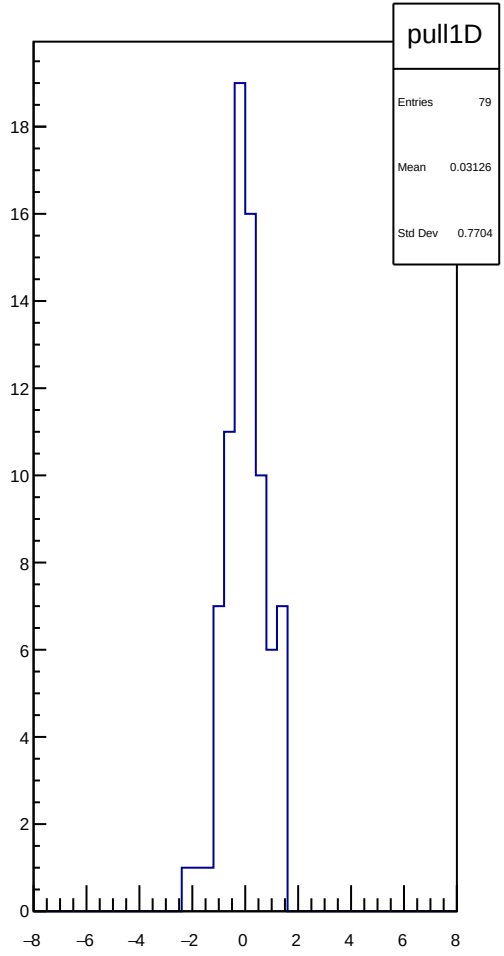

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 34.98 / 78
p0 1.582 ± 1.351
pull
Entries 79
Mean 60.65
Std Dev 62.35

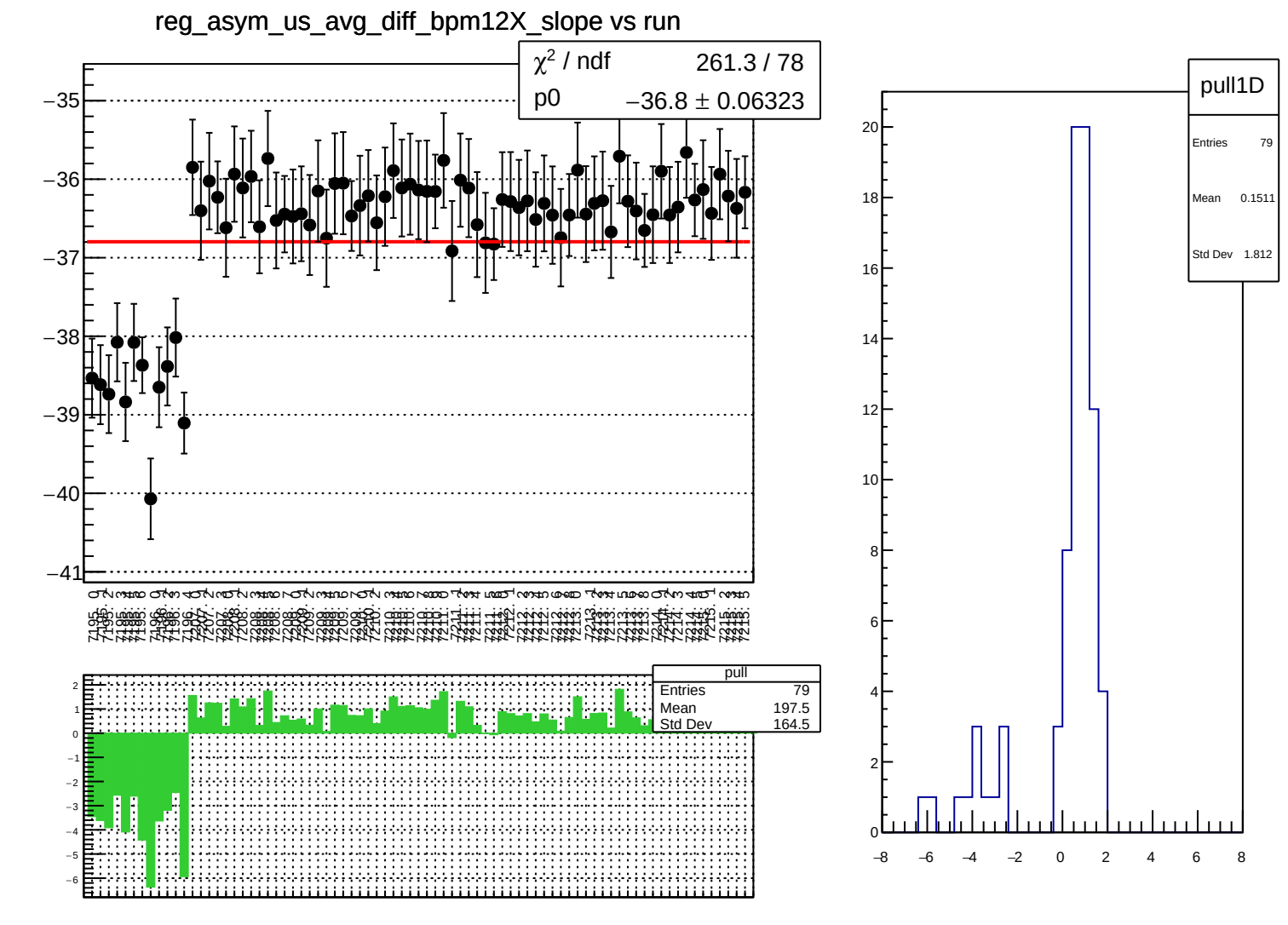

pull1D
Entries 79
Mean −0.02021
Std Dev 0.6652

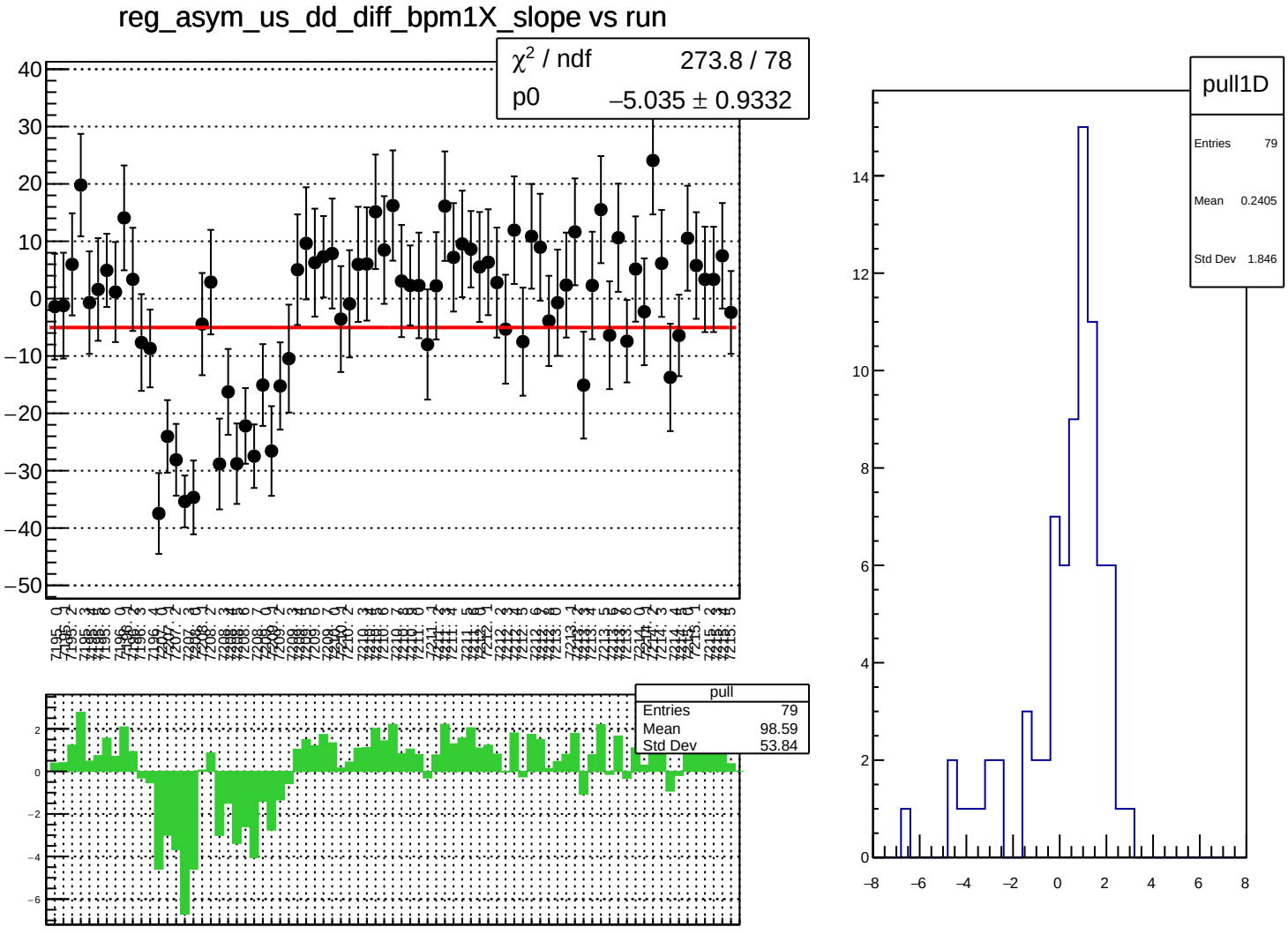

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.95 / 78
p0 62.94 ± 1.784
pull
Entries 79
Mean 85.47
Std Dev 22.72

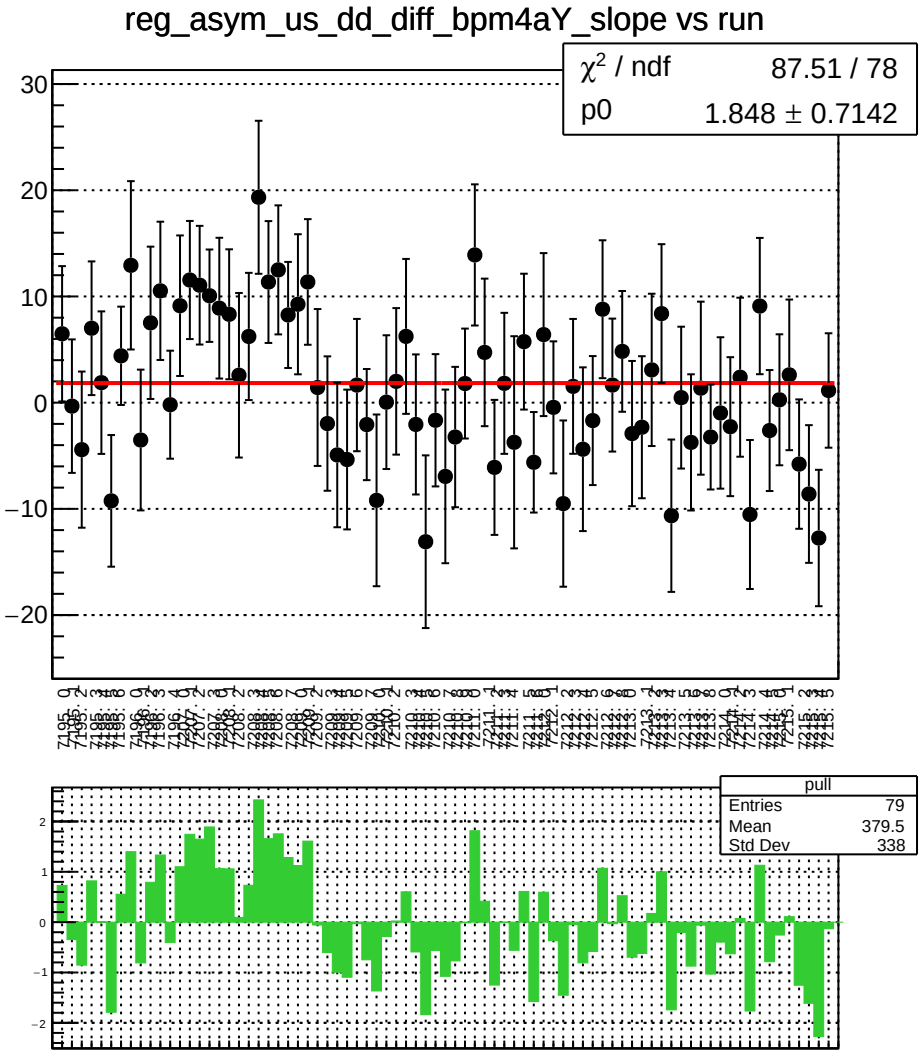

pull1D
Entries 79
Mean 0.06176
Std Dev 0.8468

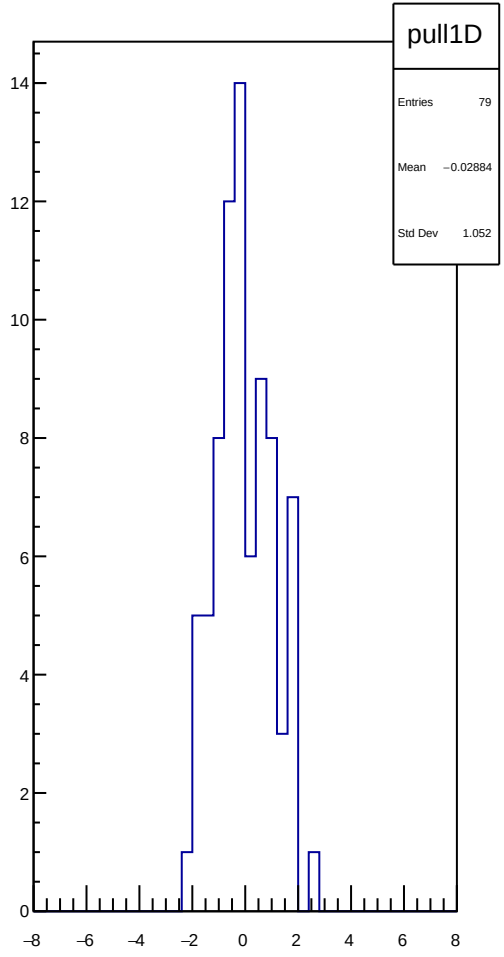

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 46.96 / 78
p0 17.26 ± 1.501
pull
Entries 79
Mean 101
Std Dev 82.96

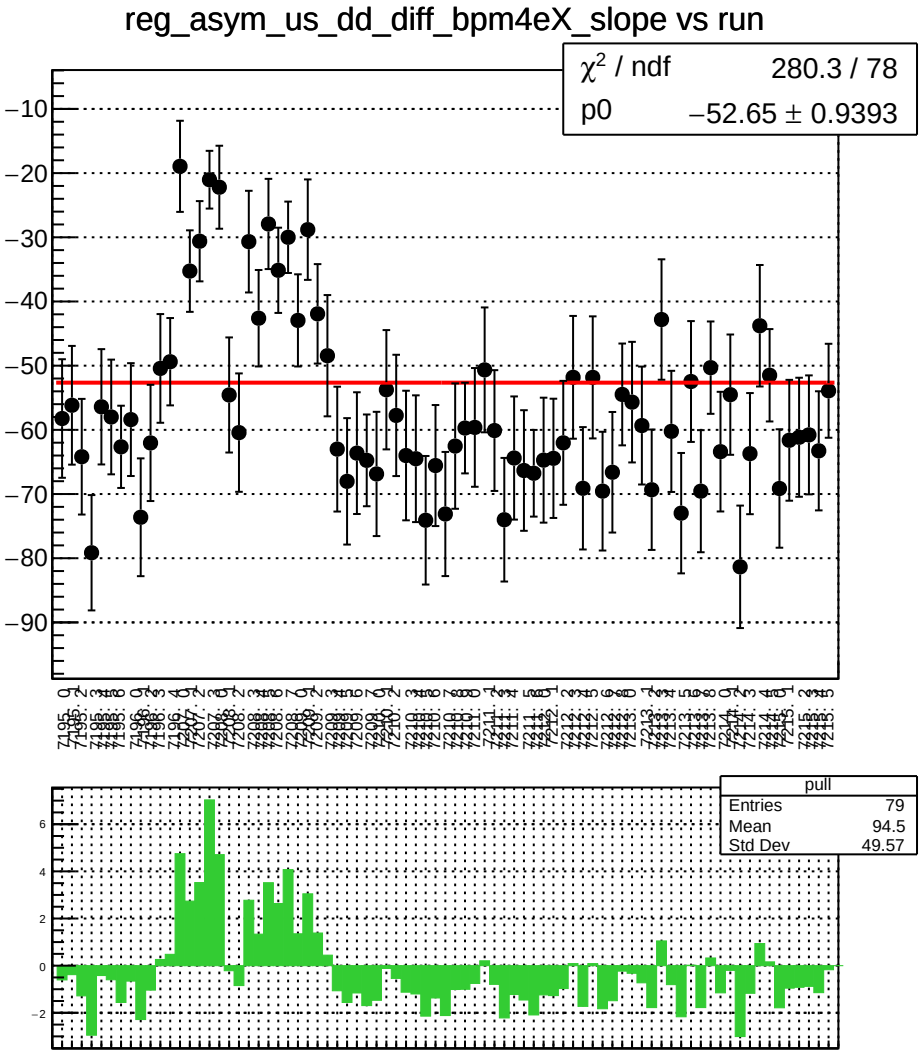

pull1D
Entries 79
Mean 0.03126
Std Dev 0.7704

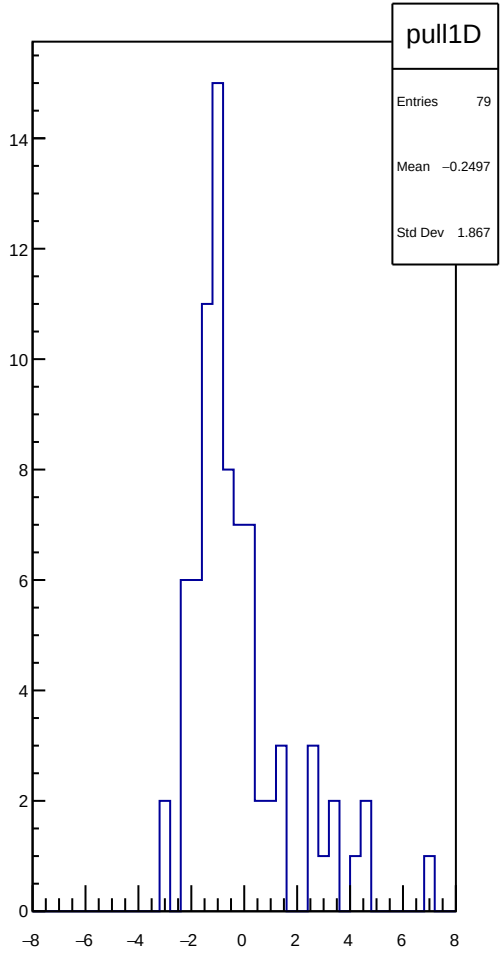

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 261.3 / 78
p0 −36.8 ± 0.06323
pull
Entries 79
Mean 197.5
Std Dev 164.5
pull1D
Entries 79
Mean 0.1511
Std Dev 1.812

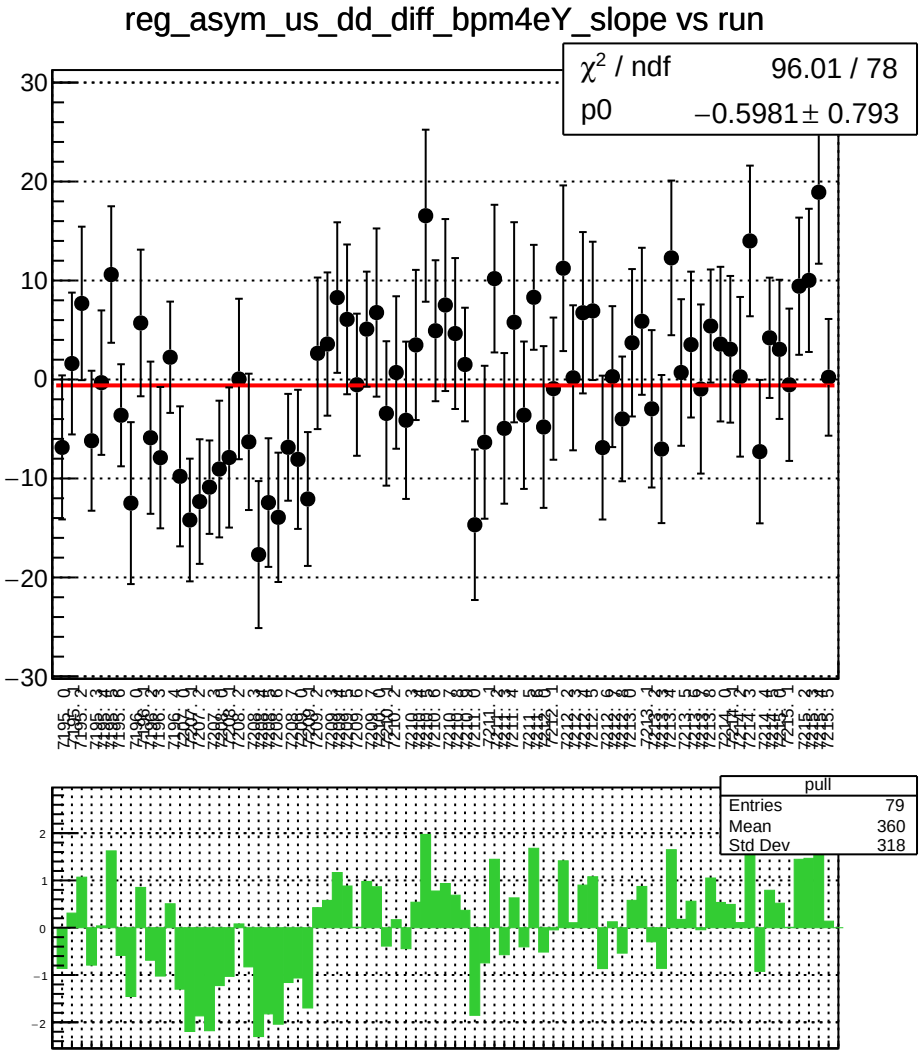

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 273.8 / 78
p0 −5.035 ± 0.9332
pull
Entries 79
Mean 98.59
Std Dev 53.84
pull1D
Entries 79
Mean 0.2405
Std Dev 1.846

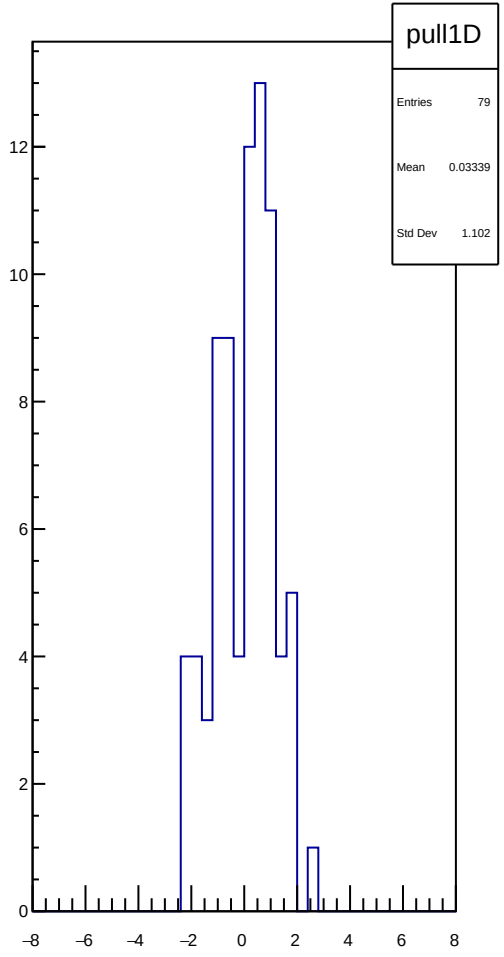

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.51 / 78
p0 1.848 ± 0.7142
pull
Entries 79
Mean 379.5
Std Dev 338

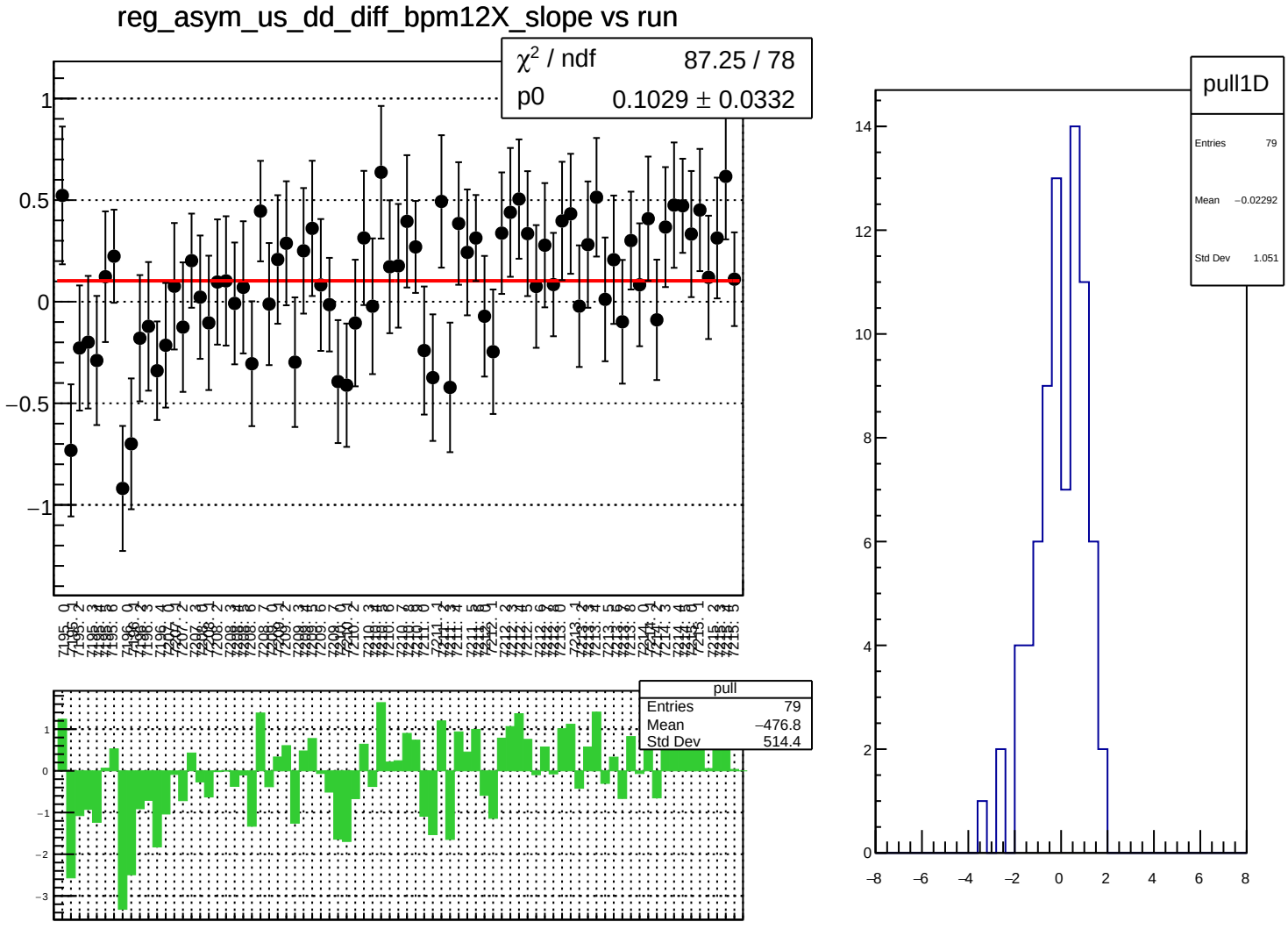

pull1D
Entries 79
Mean −0.02884
Std Dev 1.052

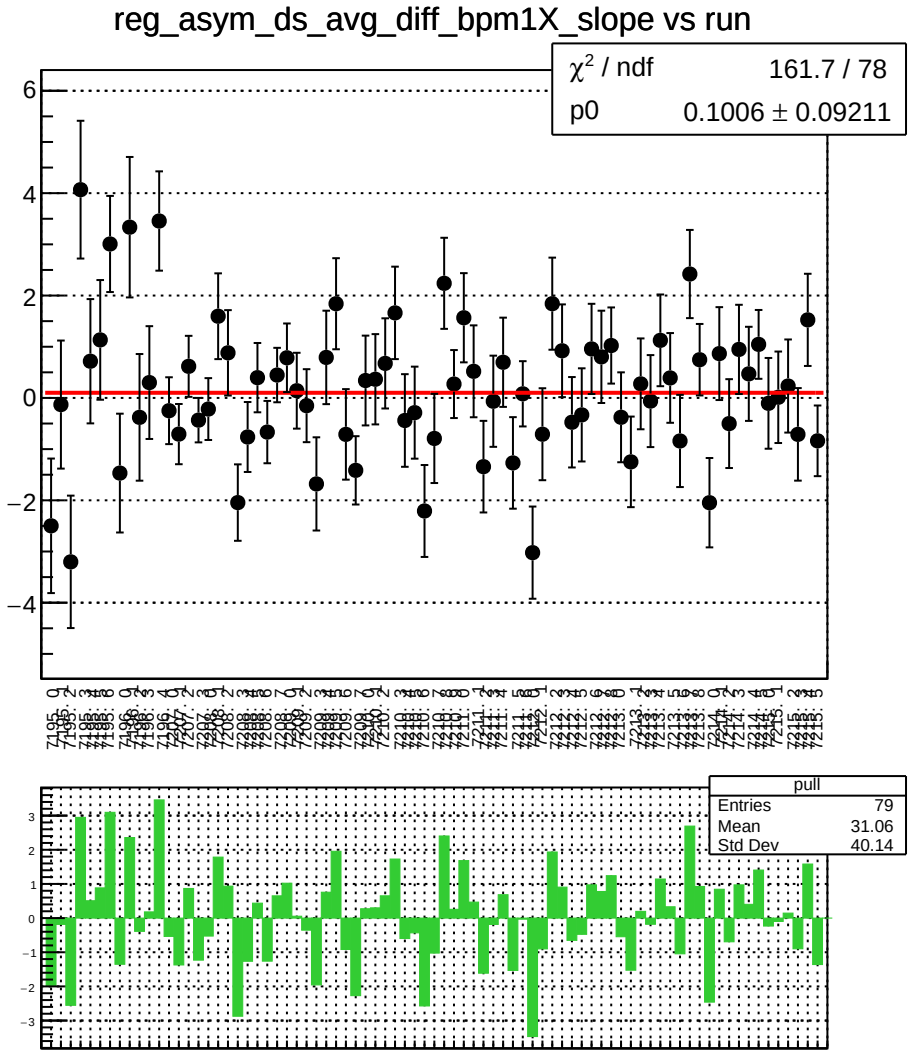

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 280.3 / 78
p0 −52.65 ± 0.9393
pull
Entries 79
Mean 94.5
Std Dev 49.57

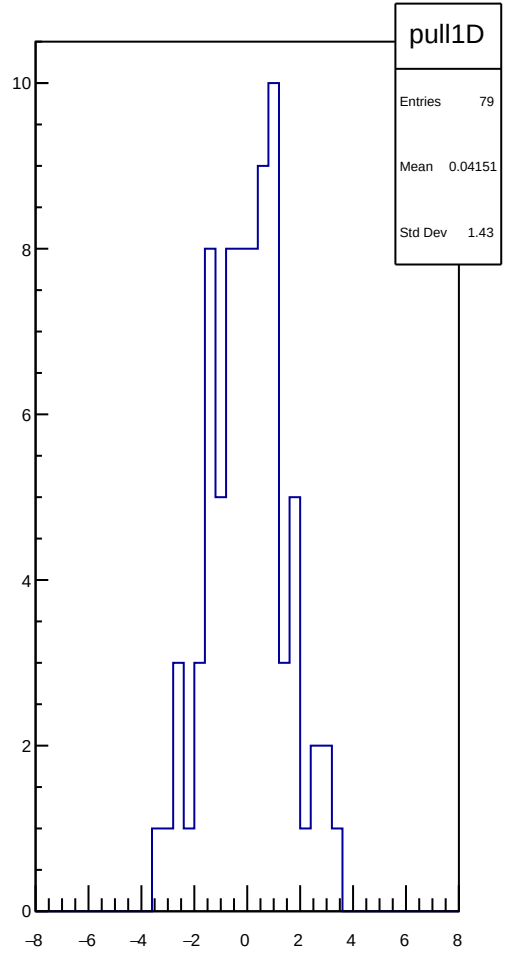

pull1D
Entries 79
Mean −0.2497
Std Dev 1.867

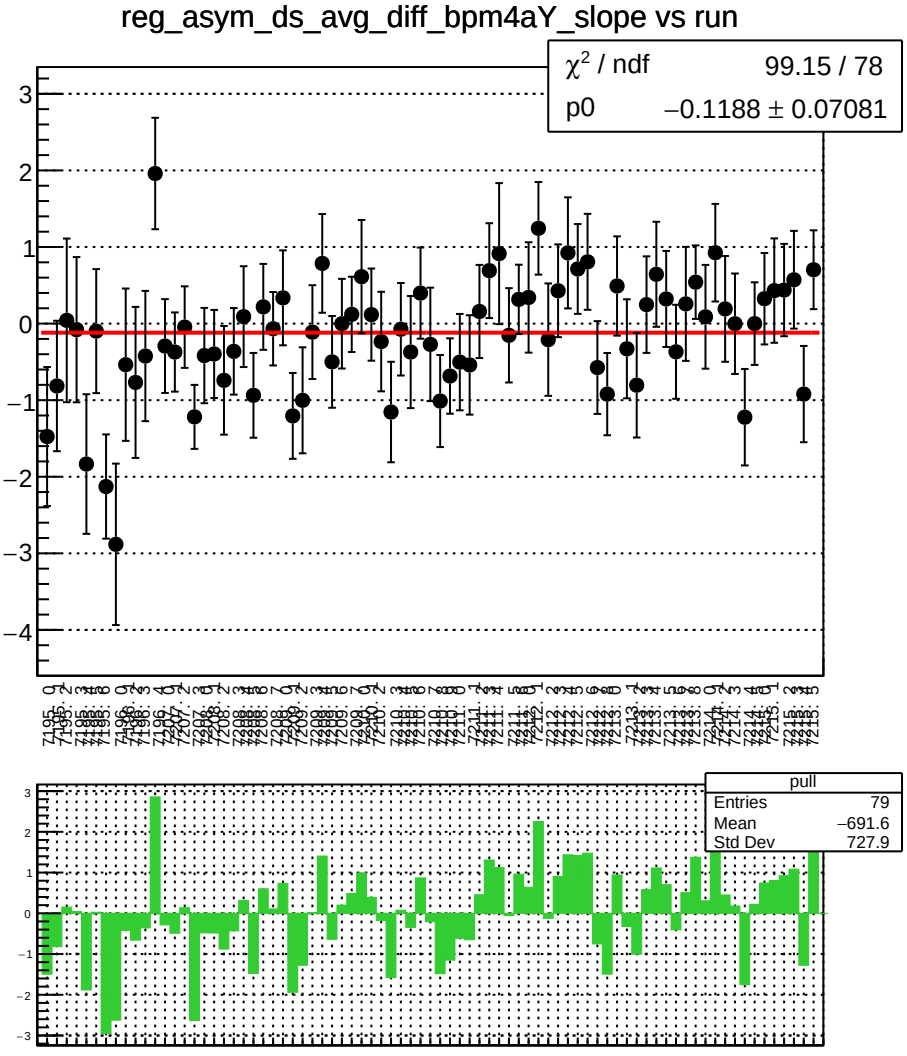

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 96.01 / 78
p0 −0.5981 ± 0.793
pull
Entries 79
Mean 360
Std Dev 318

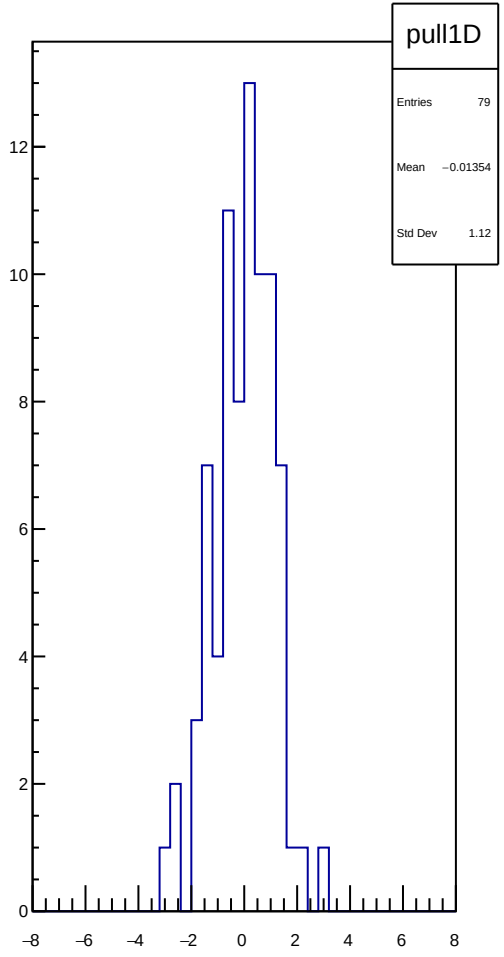

pull1D
Entries 79
Mean 0.03339
Std Dev 1.102

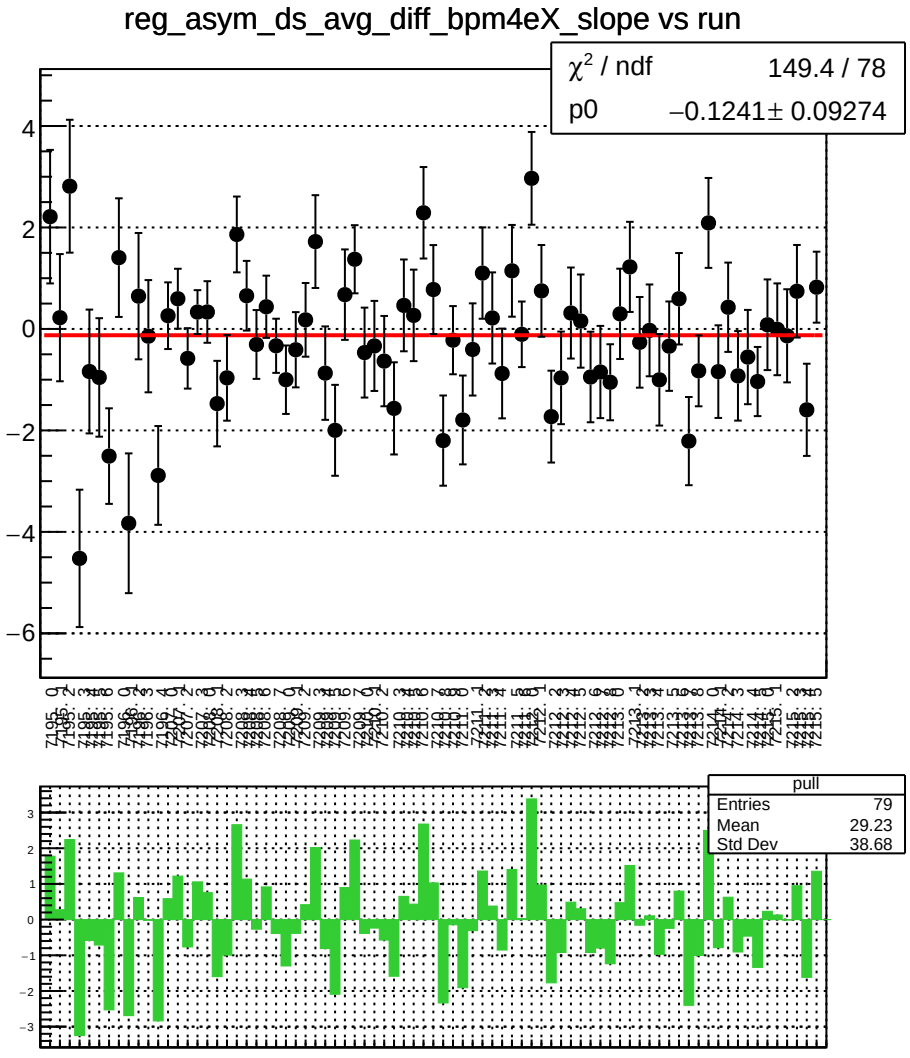

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 87.25 / 78
p0 0.1029 ± 0.0332
pull
Entries 79
Mean −476.8
Std Dev 514.4
pull1D
Entries 79
Mean −0.02292
Std Dev 1.051

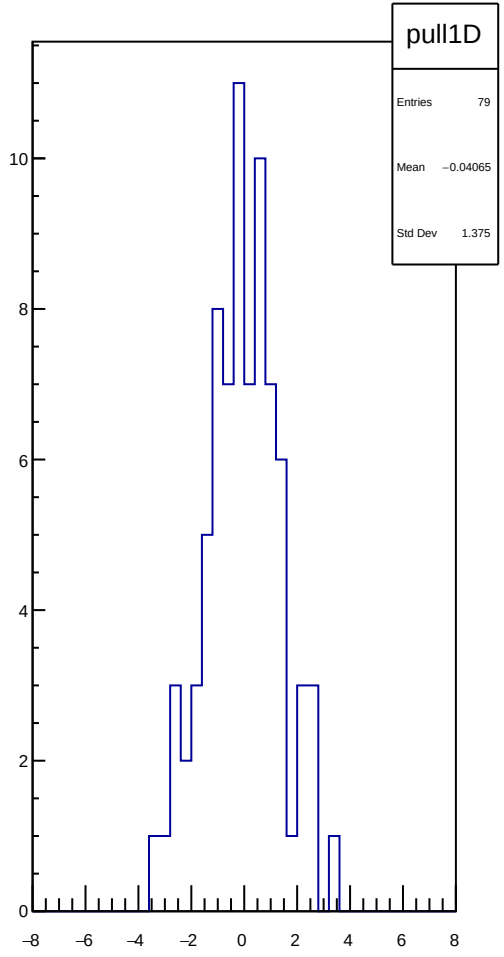

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 161.7 / 78
p0 0.1006 ± 0.09211
pull
Entries 79
Mean 31.06
Std Dev 40.14

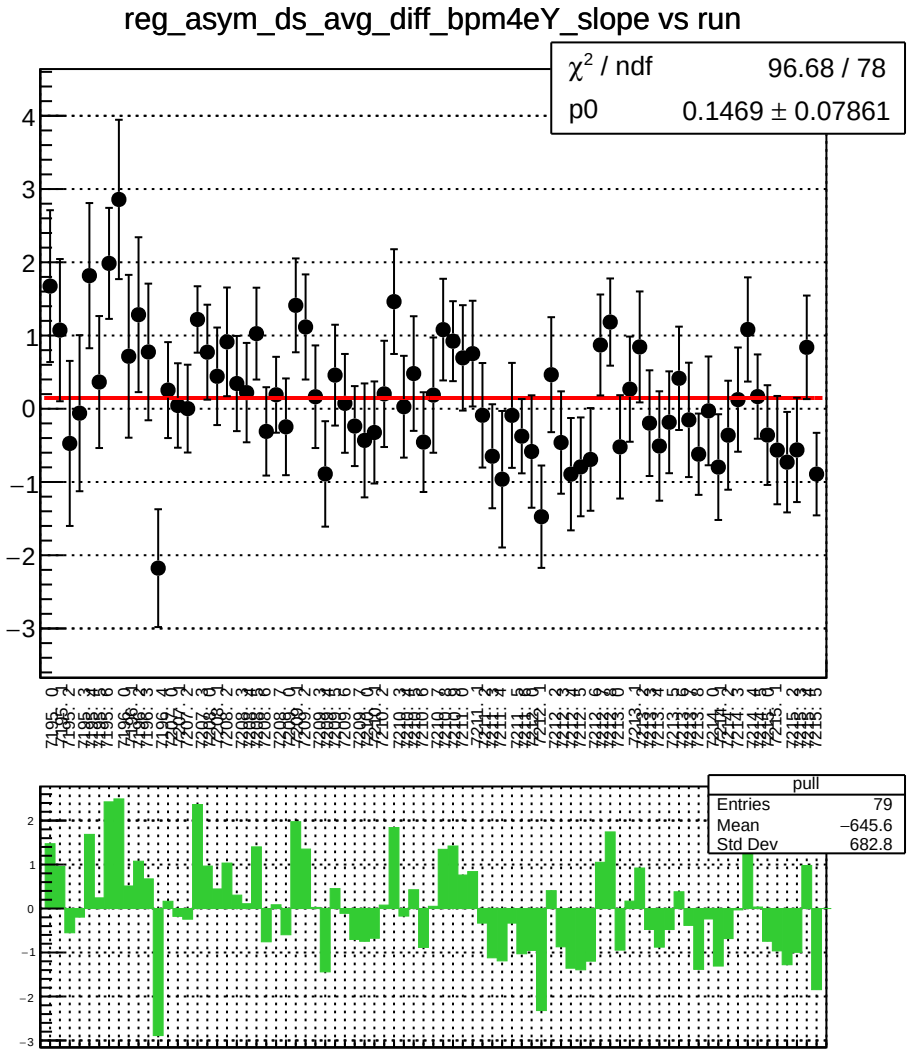

pull1D
Entries 79
Mean 0.04151
Std Dev 1.43

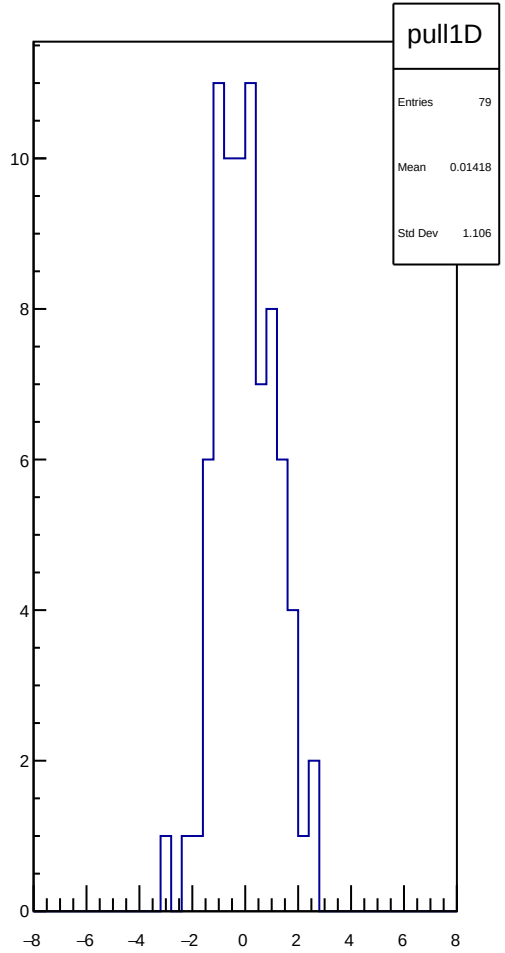

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 99.15 / 78
p0 −0.1188 ± 0.07081
pull
Entries 79
Mean −691.6
Std Dev 727.9

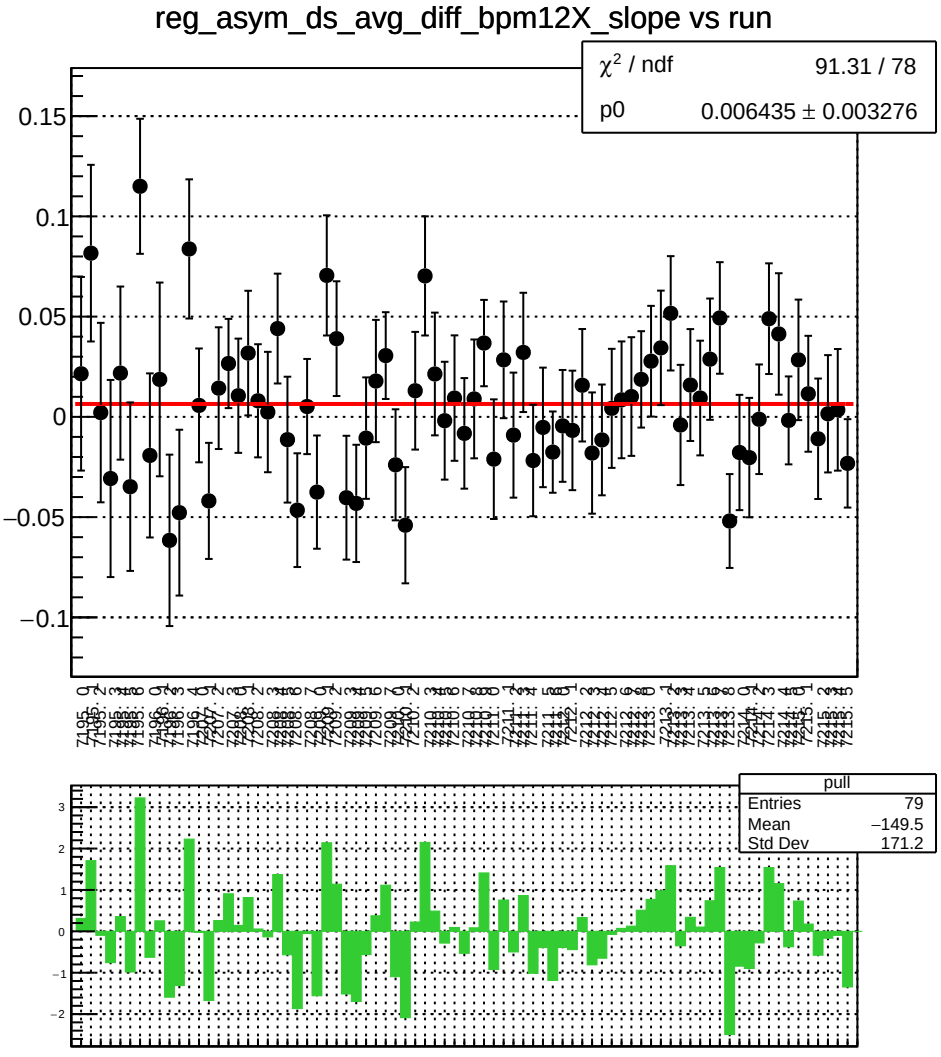

pull1D
Entries 79
Mean −0.01354
Std Dev 1.12

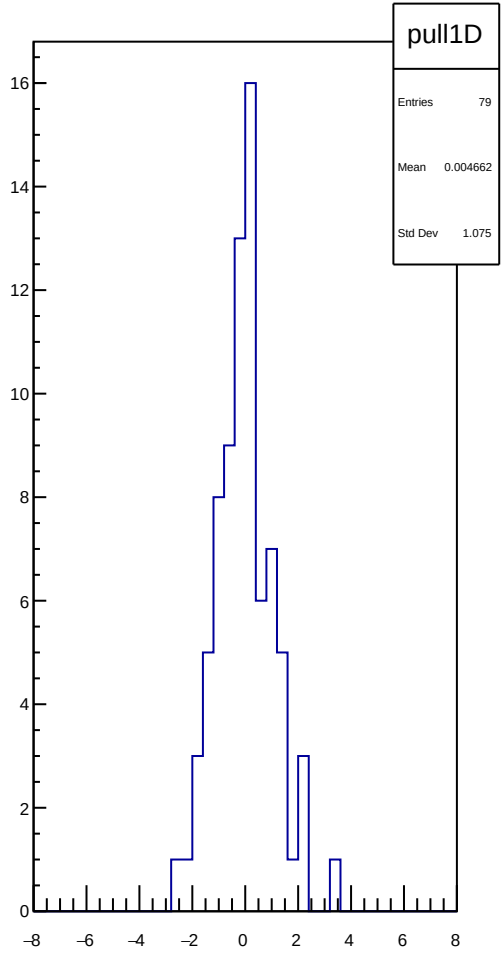

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 149.4 / 78
p0 −0.1241± 0.09274
pull
Entries 79
Mean 29.23
Std Dev 38.68

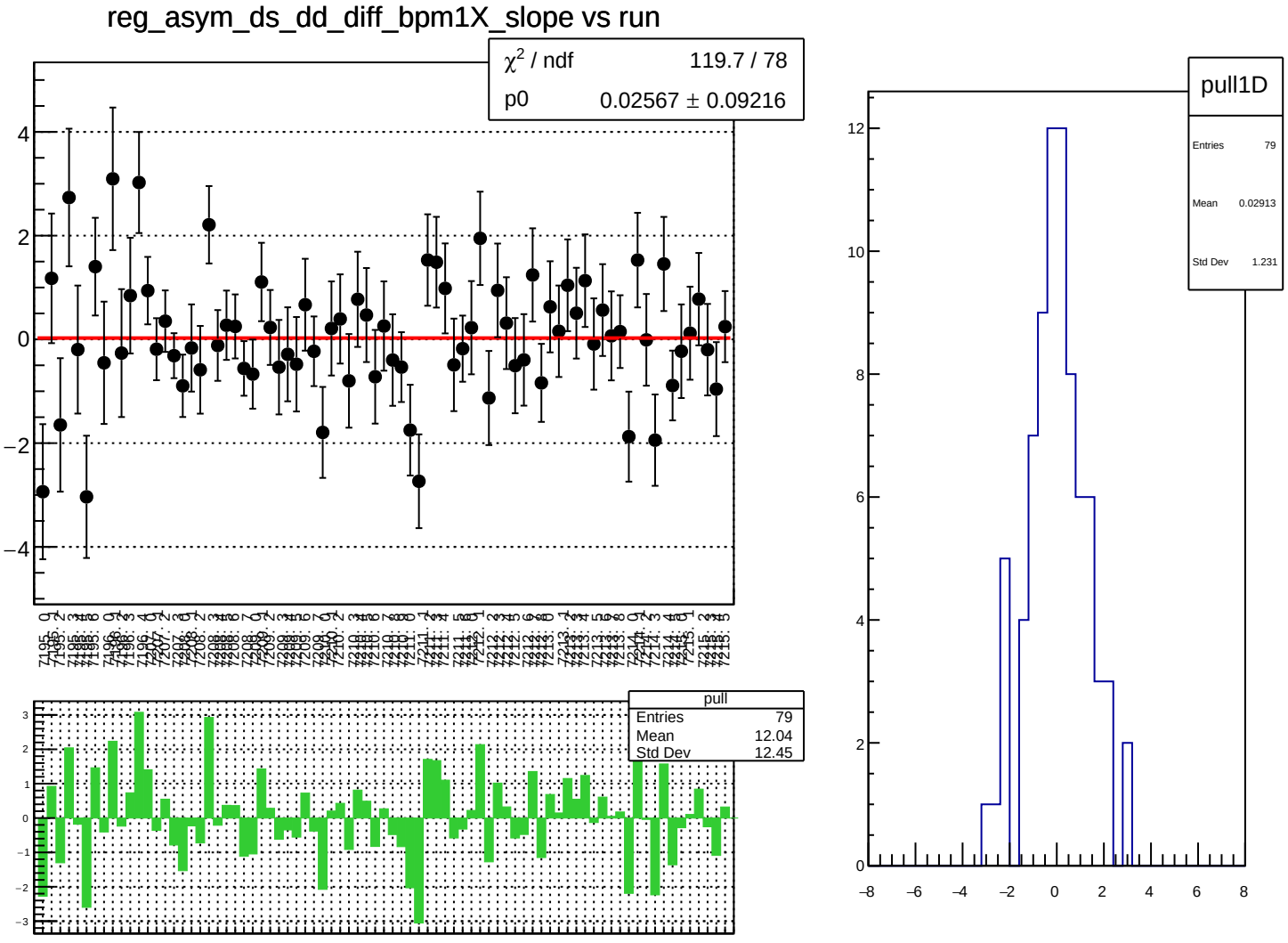

pull1D
Entries 79
Mean −0.04065
Std Dev 1.375

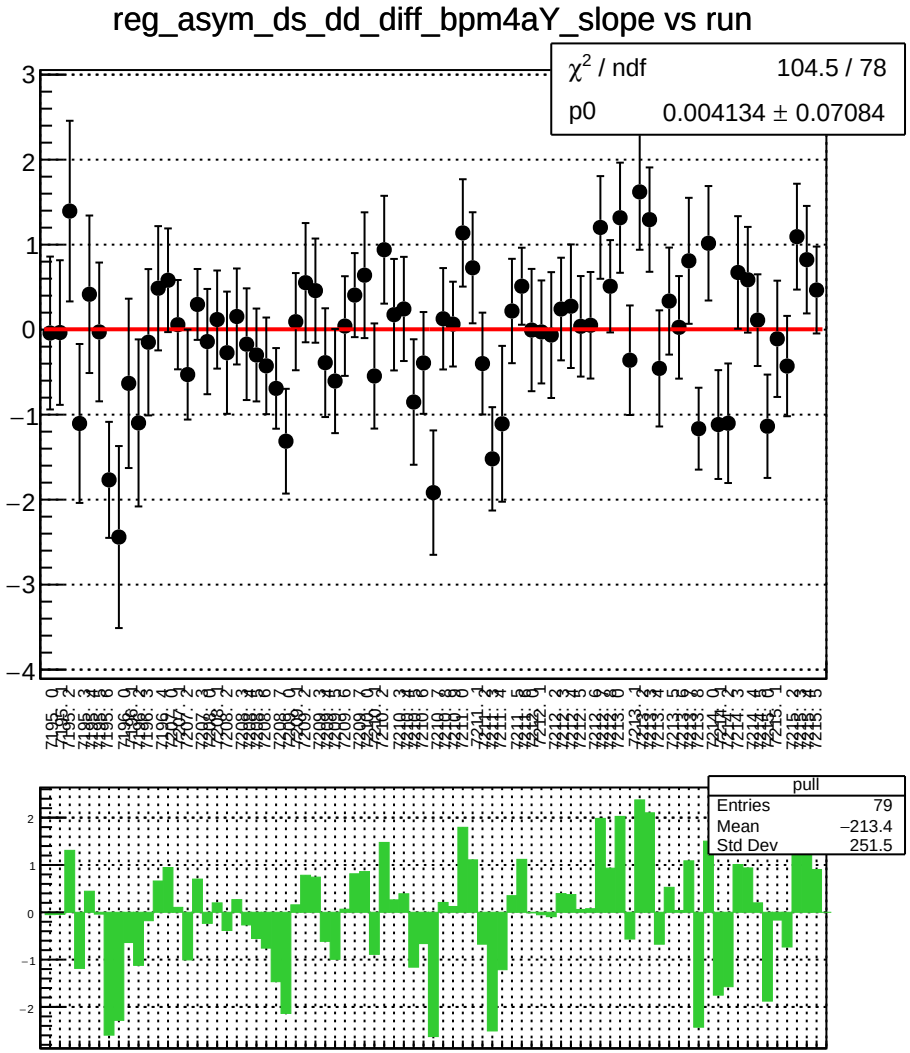

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 96.68 / 78
p0 0.1469 ± 0.07861
pull
Entries 79
Mean −645.6
Std Dev 682.8

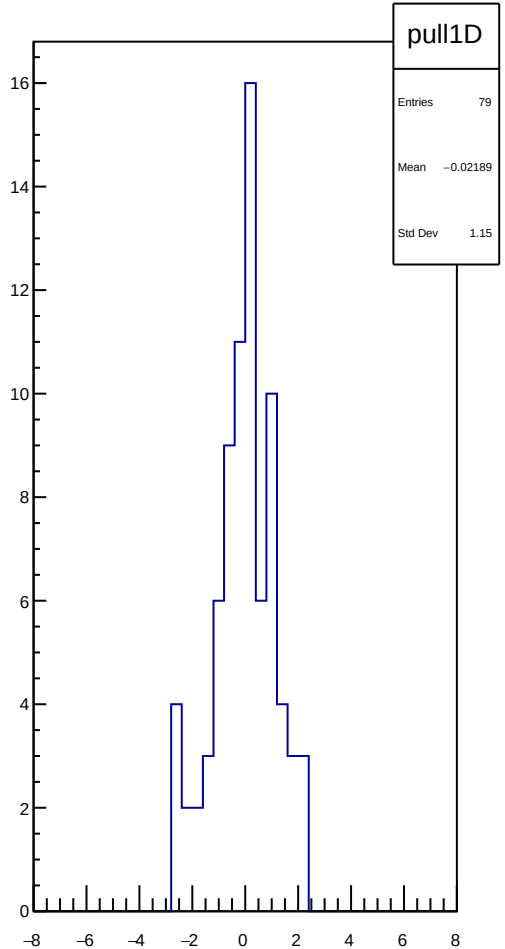

pull1D
Entries 79
Mean 0.01418
Std Dev 1.106

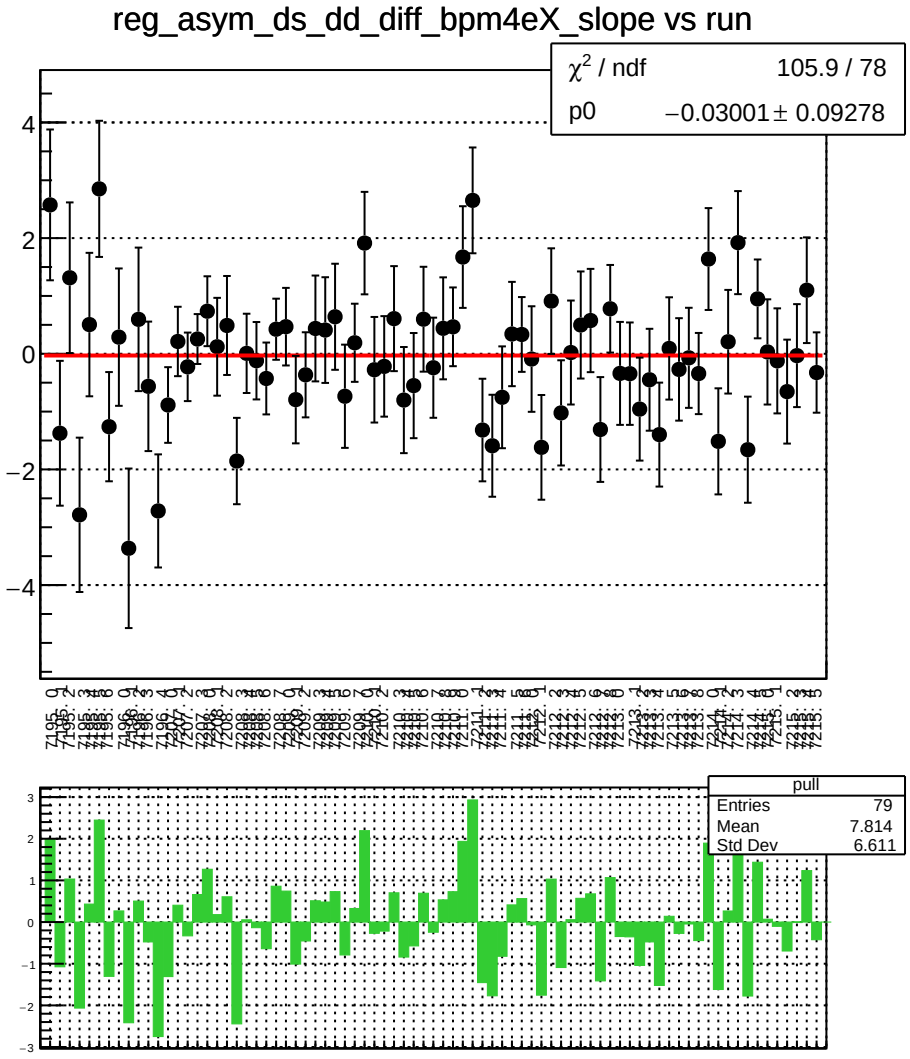

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 91.31 / 78
p0 0.006435 ± 0.003276
pull
Entries 79
Mean −149.5
Std Dev 171.2

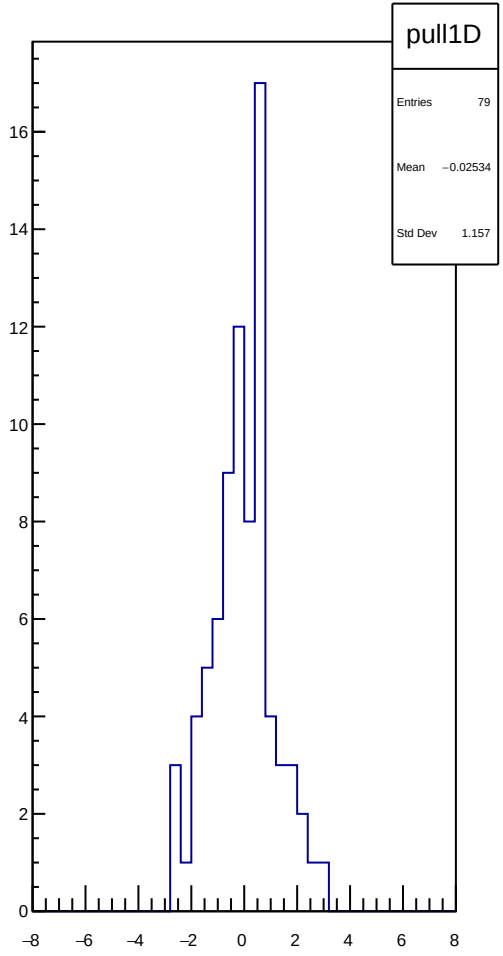

pull1D
Entries 79
Mean 0.004662
Std Dev 1.075

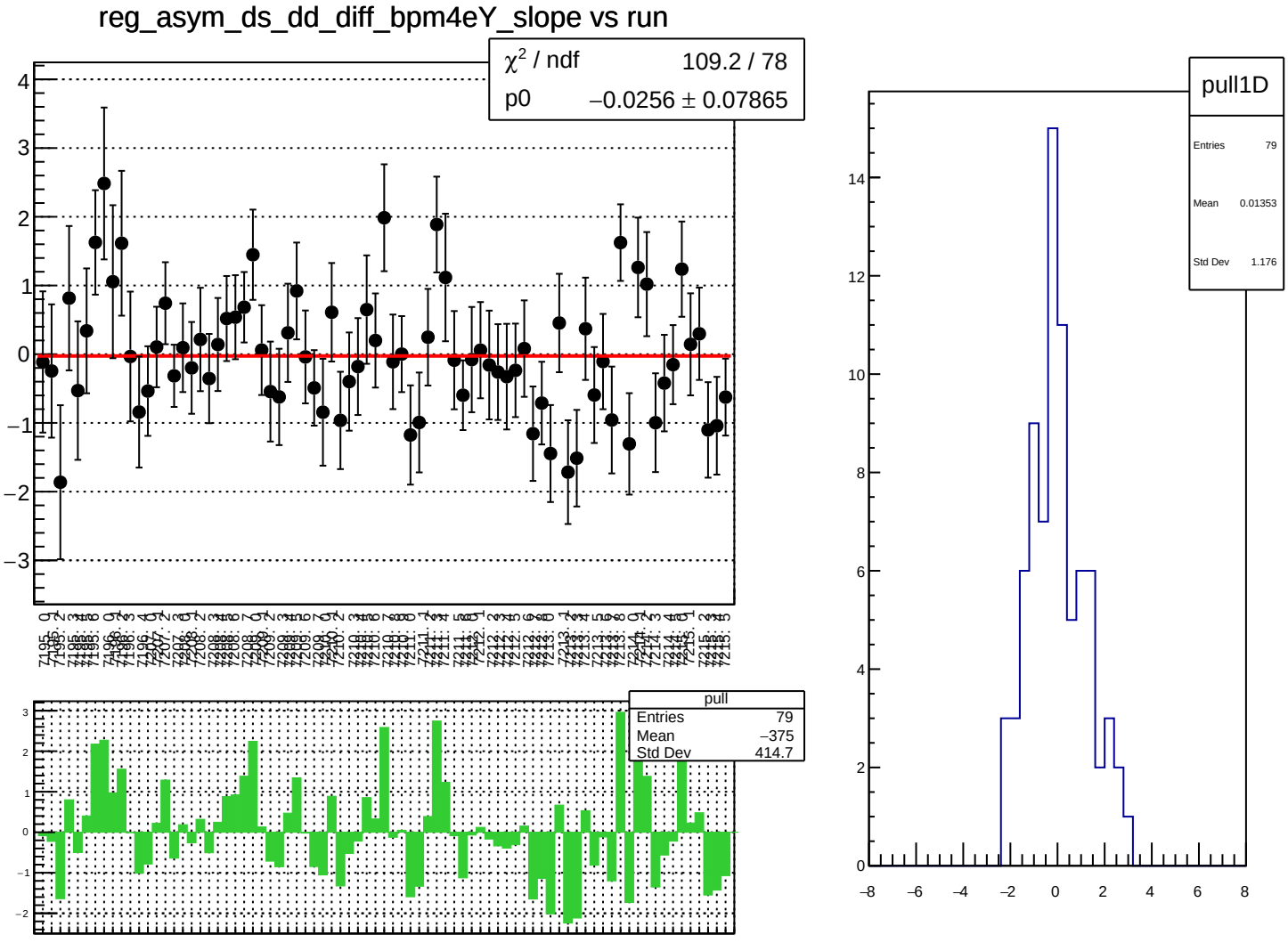

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 119.7 / 78
p0 0.02567 ± 0.09216
pull
Entries 79
Mean 12.04
Std Dev 12.45
pull1D
Entries 79
Mean 0.02913
Std Dev 1.231

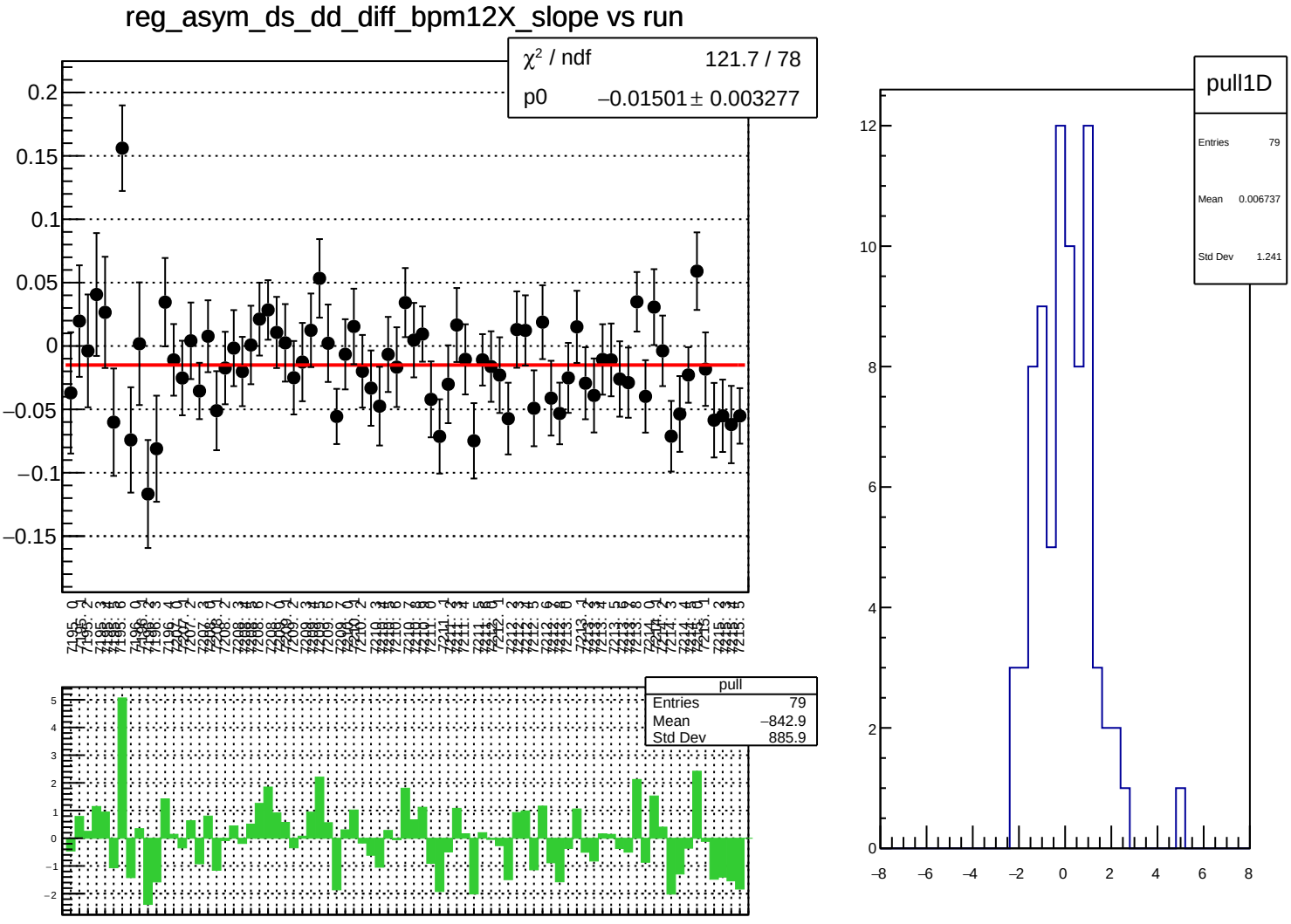

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 104.5 / 78
p0 0.004134 ± 0.07084
pull
Entries 79
Mean −213.4
Std Dev 251.5

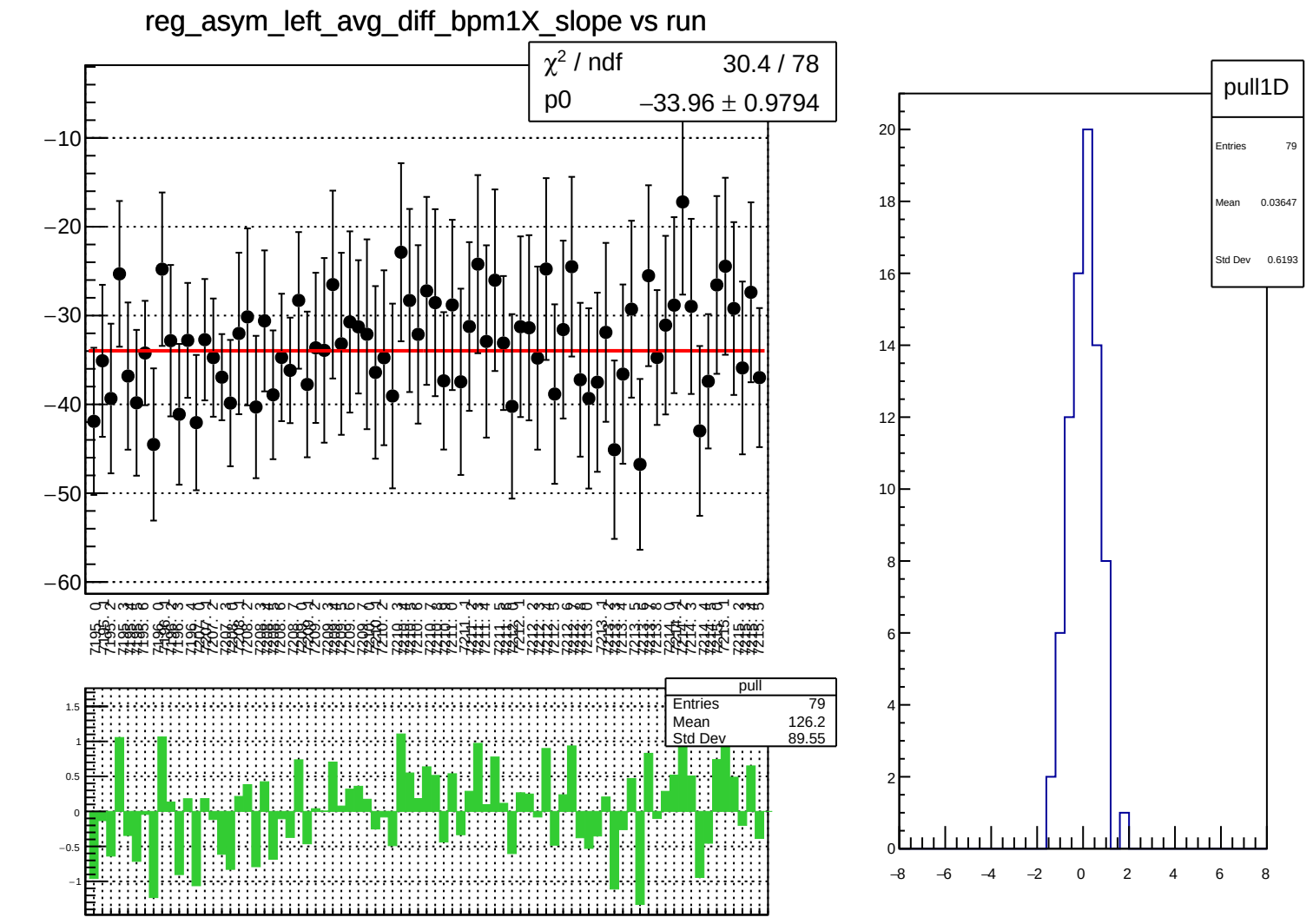

pull1D
Entries 79
Mean −0.02189
Std Dev 1.15

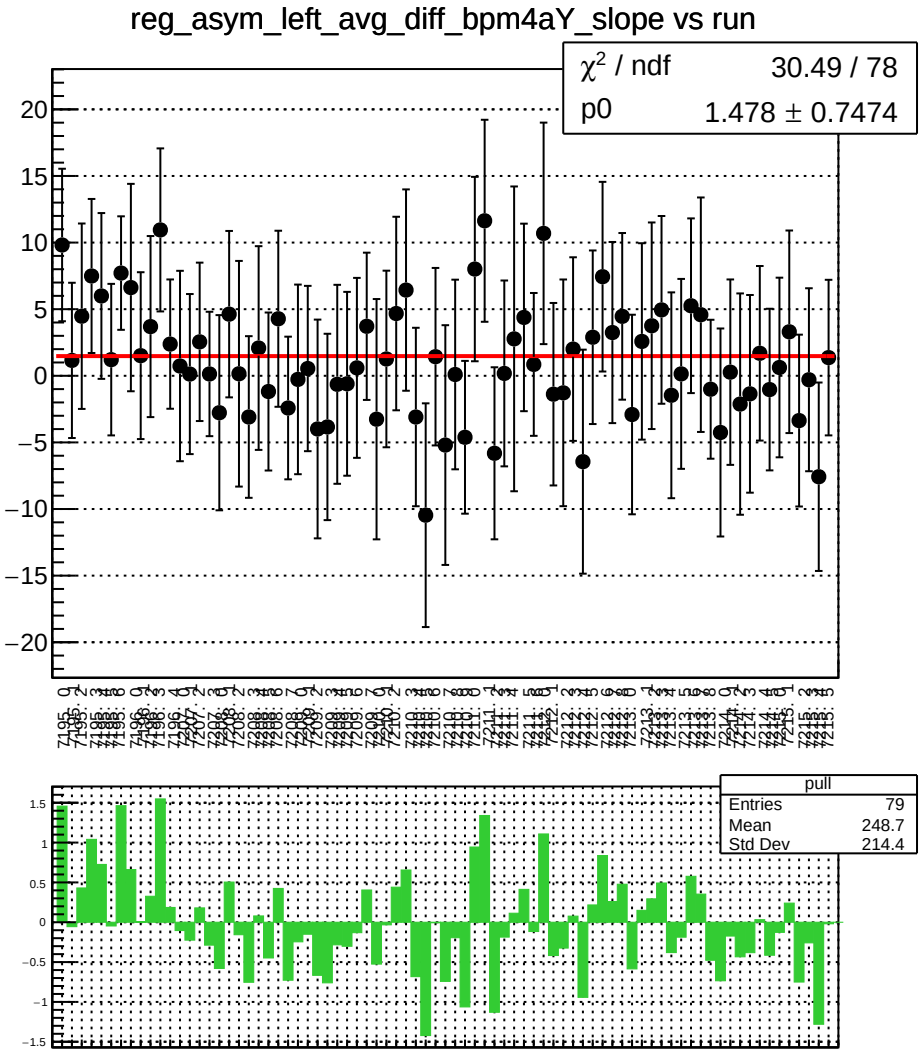

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 105.9 / 78
p0 −0.03001 ± 0.09278
pull
Entries 79
Mean 7.814
Std Dev 6.611

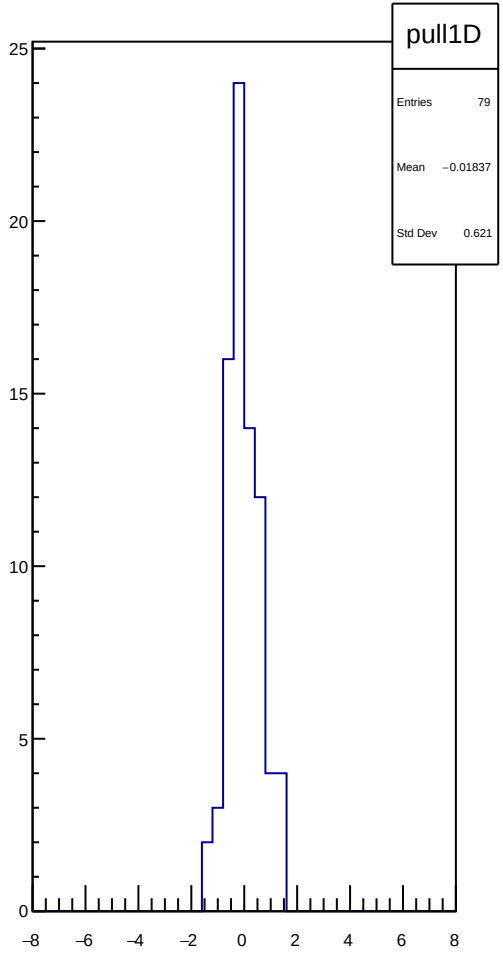

pull1D
Entries 79
Mean −0.02534
Std Dev 1.157

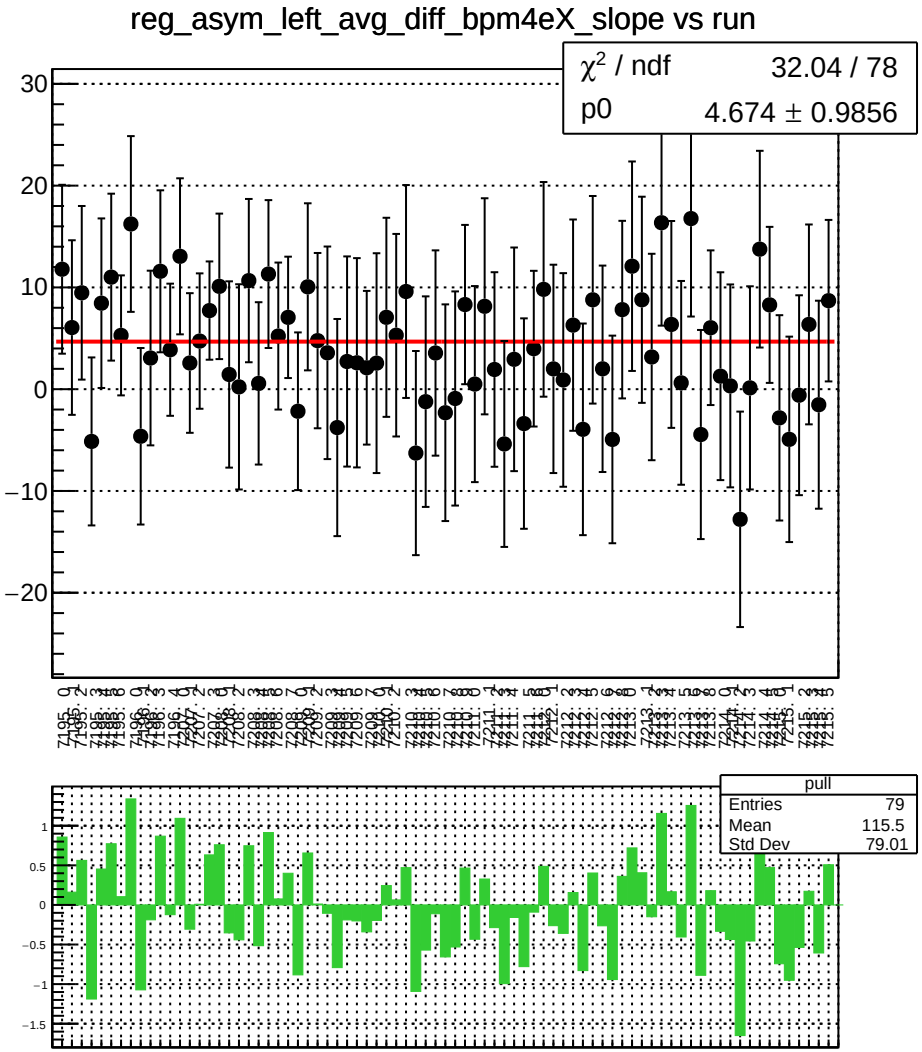

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 109.2 / 78
p0 −0.0256 ± 0.07865
pull
Entries 79
Mean −375
Std Dev 414.7
pull1D
Entries 79
Mean 0.01353
Std Dev 1.176

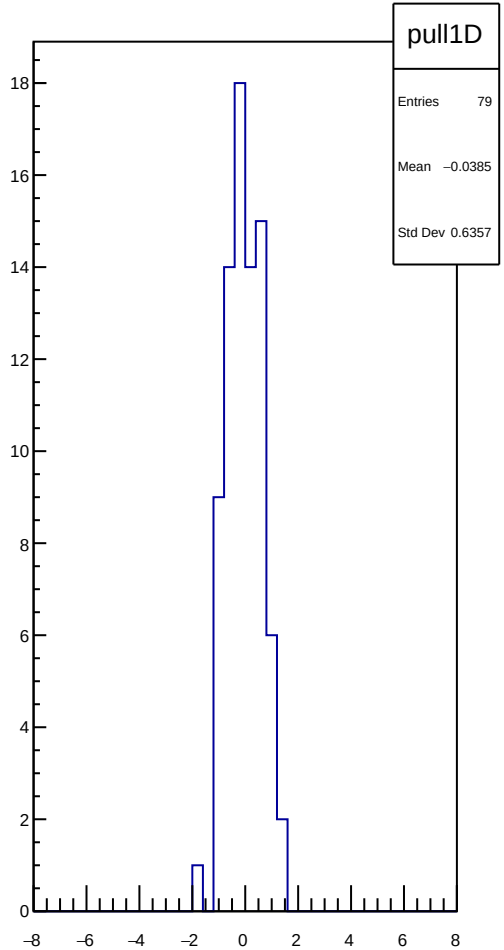

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 121.7 / 78
p0 −0.01501 ± 0.003277
pull
Entries 79
Mean −842.9
Std Dev 885.9
pull1D
Entries 79
Mean 0.006737
Std Dev 1.241

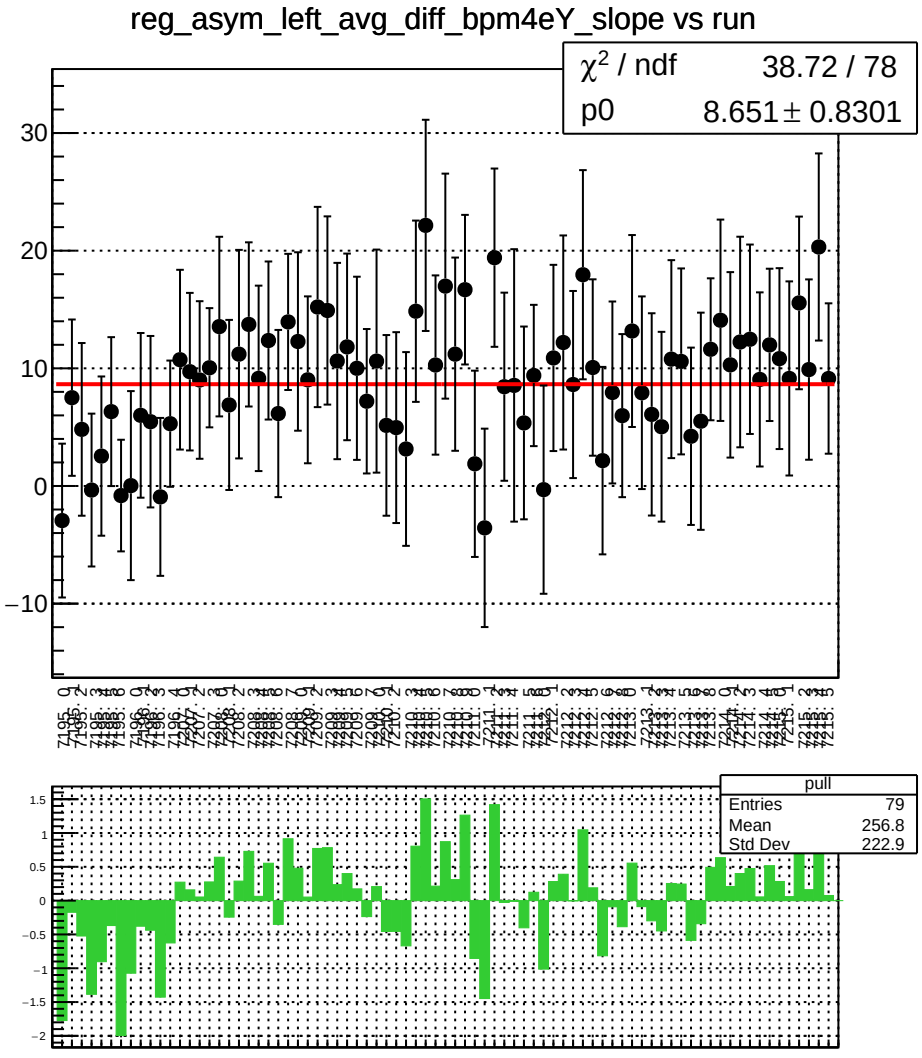

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 30.4 / 78
p0 −33.96 ± 0.9794
pull
Entries 79
Mean 126.2
Std Dev 89.55
pull1D
Entries 79
Mean 0.03647
Std Dev 0.6193

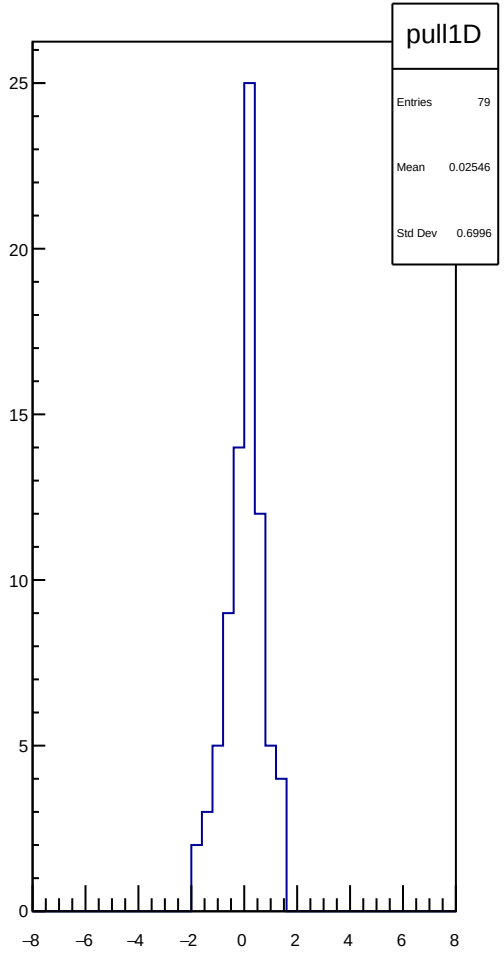

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 30.49 / 78
p0 1.478 ± 0.7474
pull
Entries 79
Mean 248.7
Std Dev 214.4

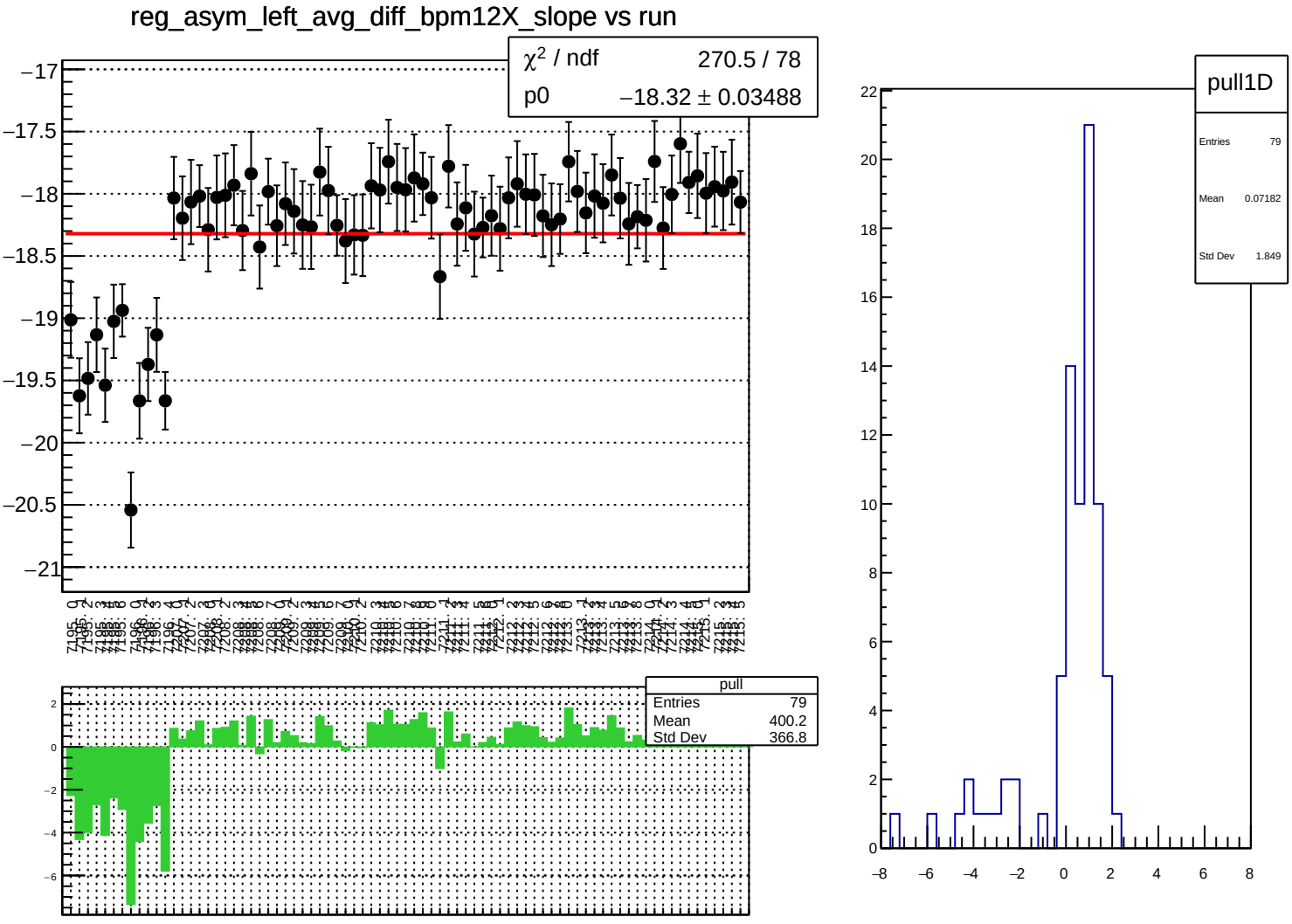

pull1D
Entries 79
Mean −0.01837
Std Dev 0.621

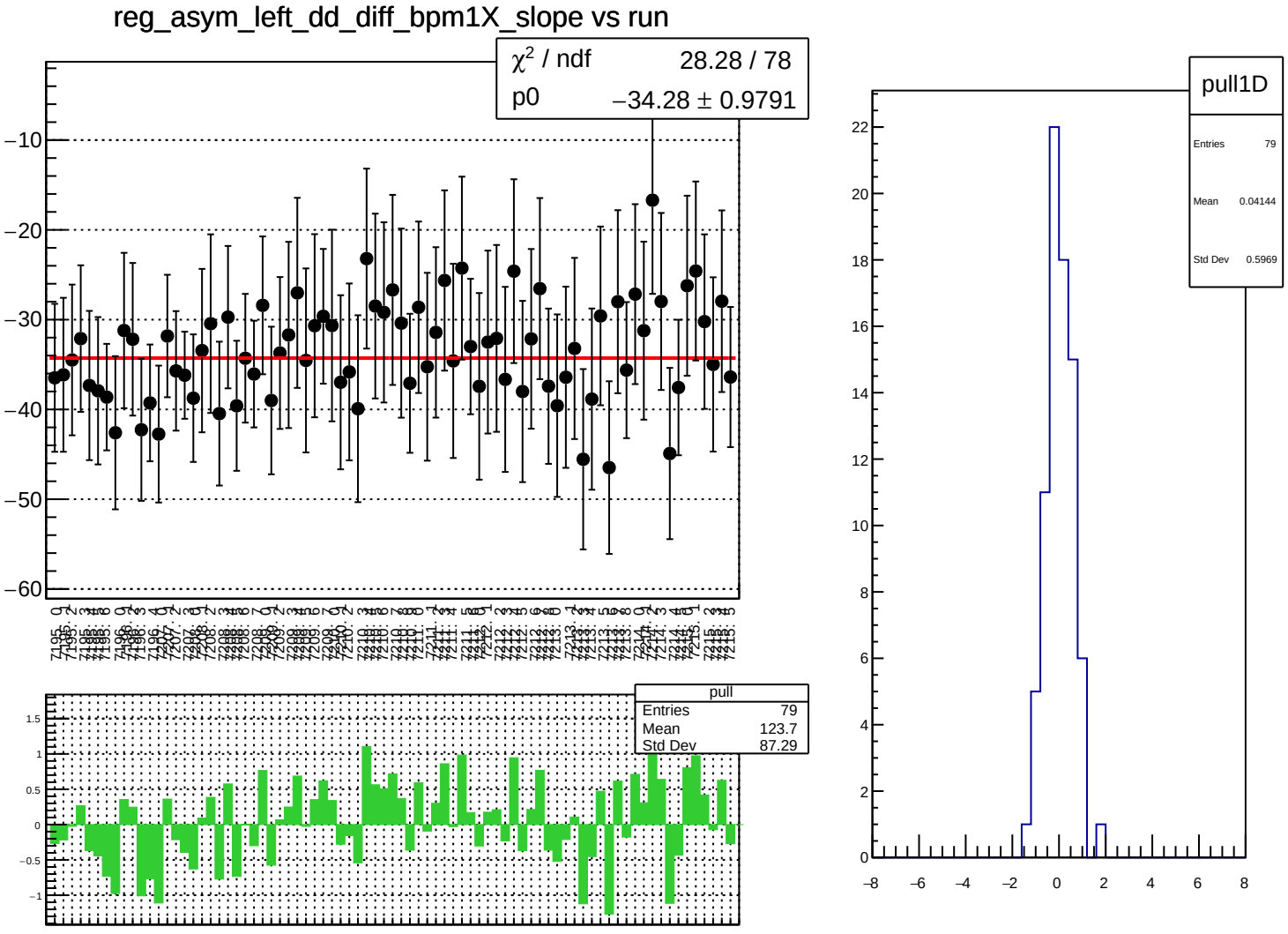

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.04 / 78
p0 4.674 ± 0.9856
pull
Entries 79
Mean 115.5
Std Dev 79.01

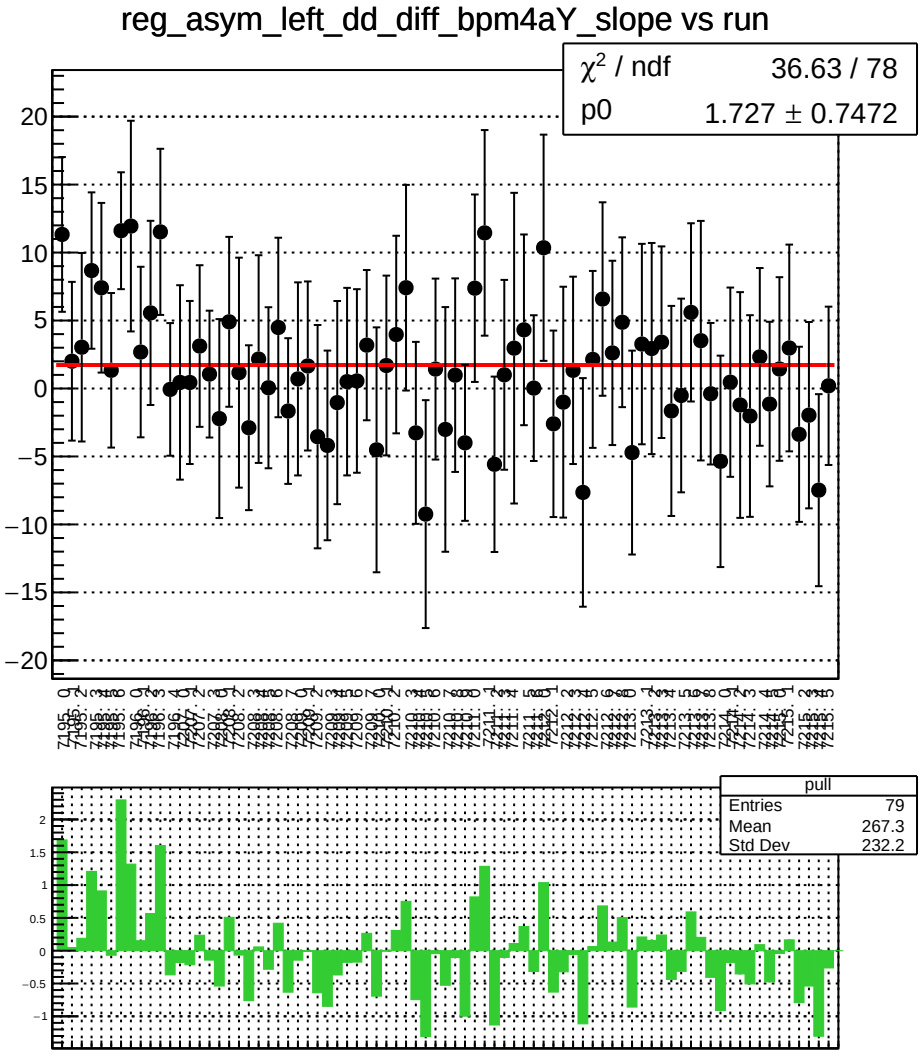

pull1D
Entries 79
Mean −0.0385
Std Dev 0.6357

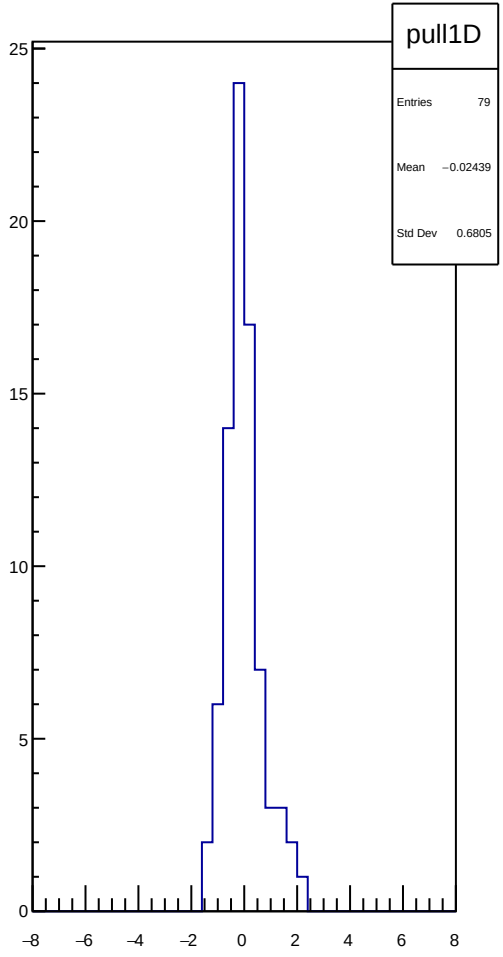

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 38.72 / 78
p0 8.651 ± 0.8301
pull
Entries 79
Mean 256.8
Std Dev 222.9

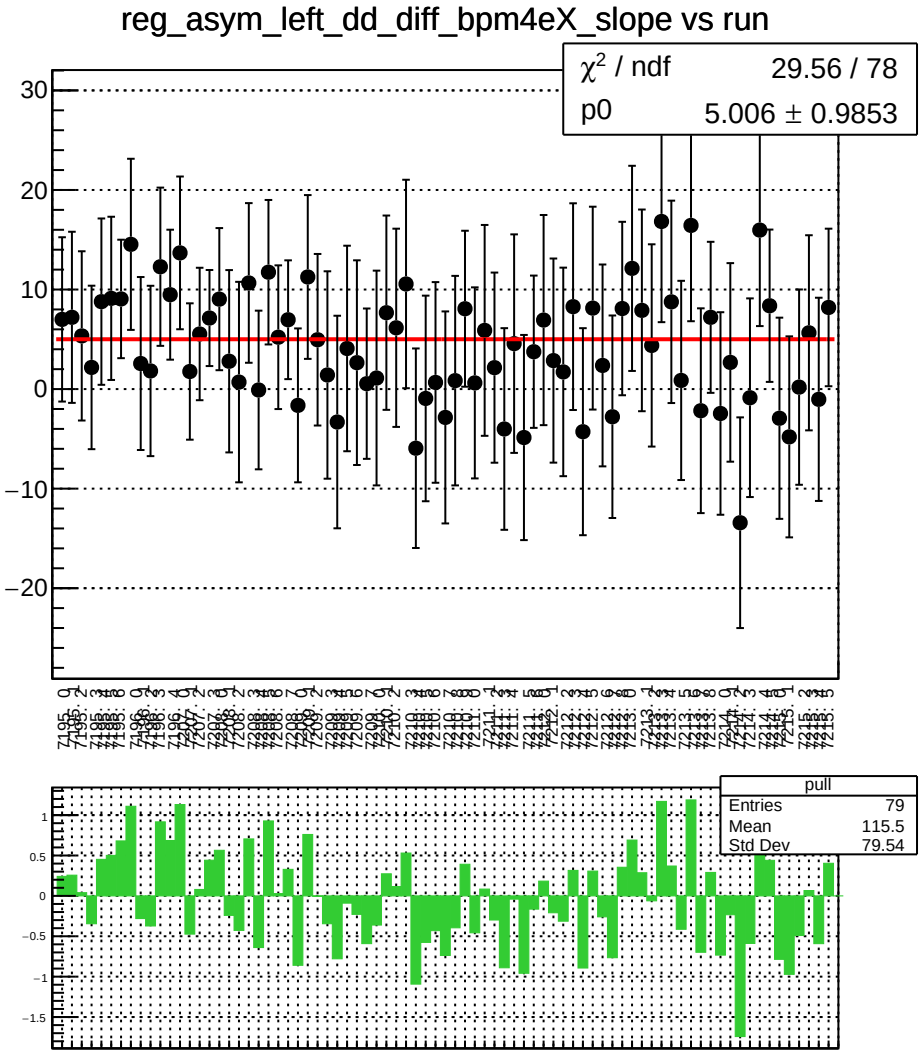

pull1D
Entries 79
Mean 0.02546
Std Dev 0.6996

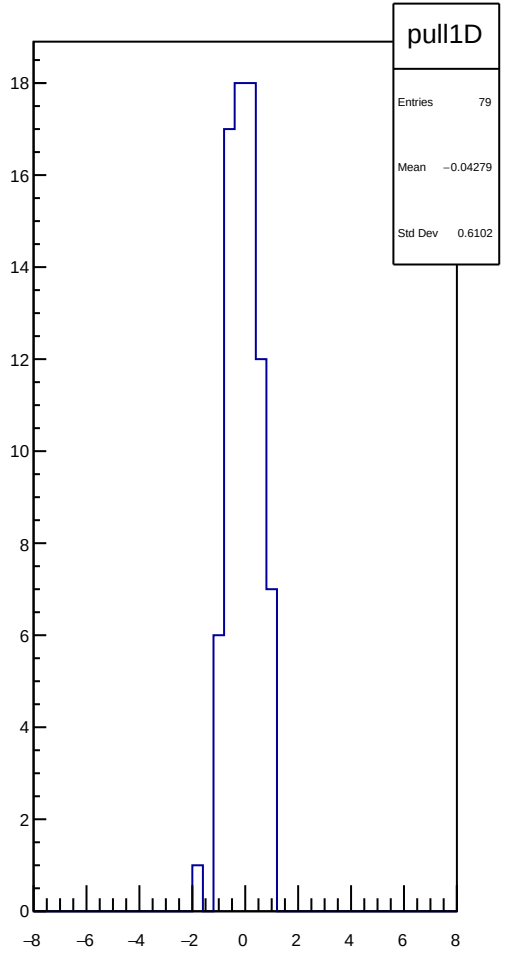

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 270.5 / 78
p0 −18.32 ± 0.03488
pull
Entries 79
Mean 400.2
Std Dev 366.8
pull1D
Entries 79
Mean 0.07182
Std Dev 1.849

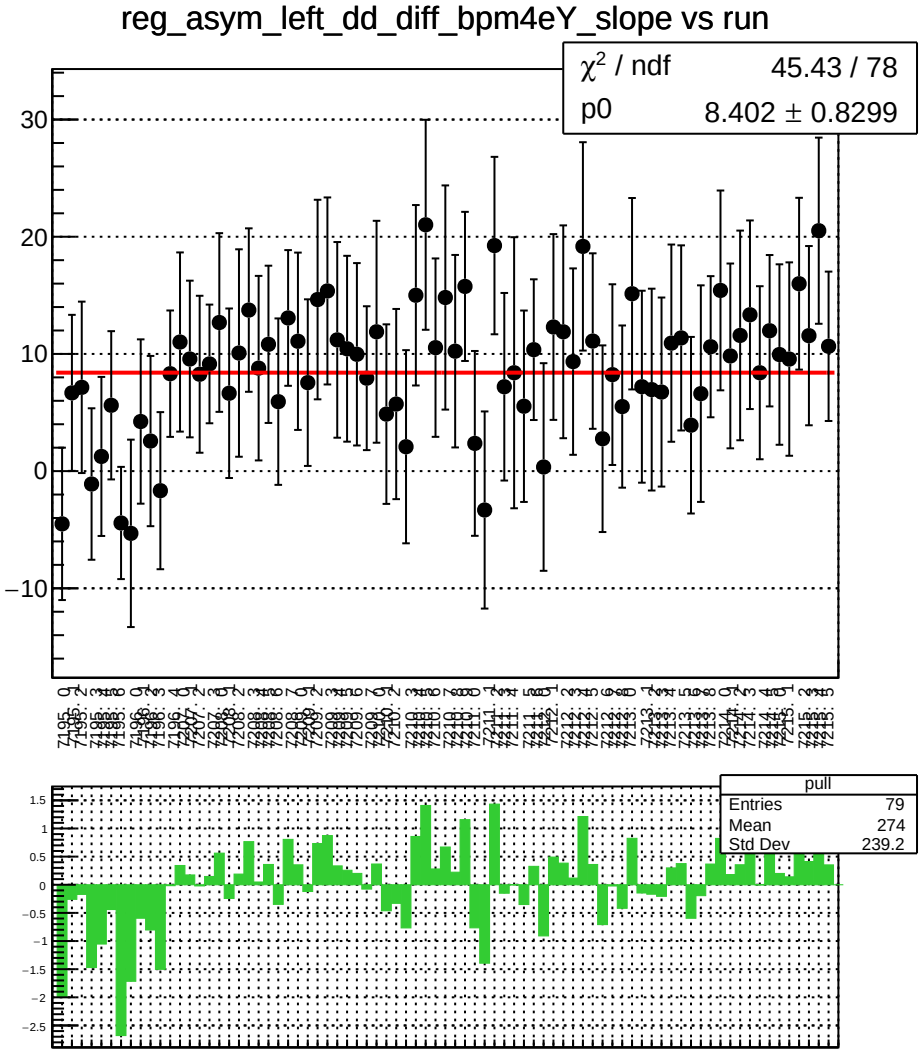

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 28.28 / 78
p0 −34.28 ± 0.9791
pull
Entries 79
Mean 123.7
Std Dev 87.29
pull1D
Entries 79
Mean 0.04144
Std Dev 0.5969

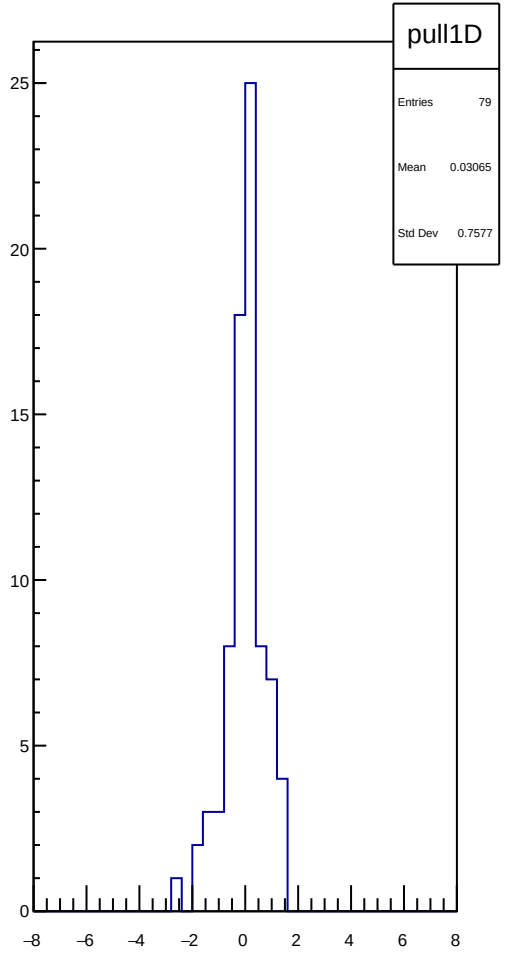

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.63 / 78
p0 1.727 ± 0.7472
pull
Entries 79
Mean 267.3
Std Dev 232.2

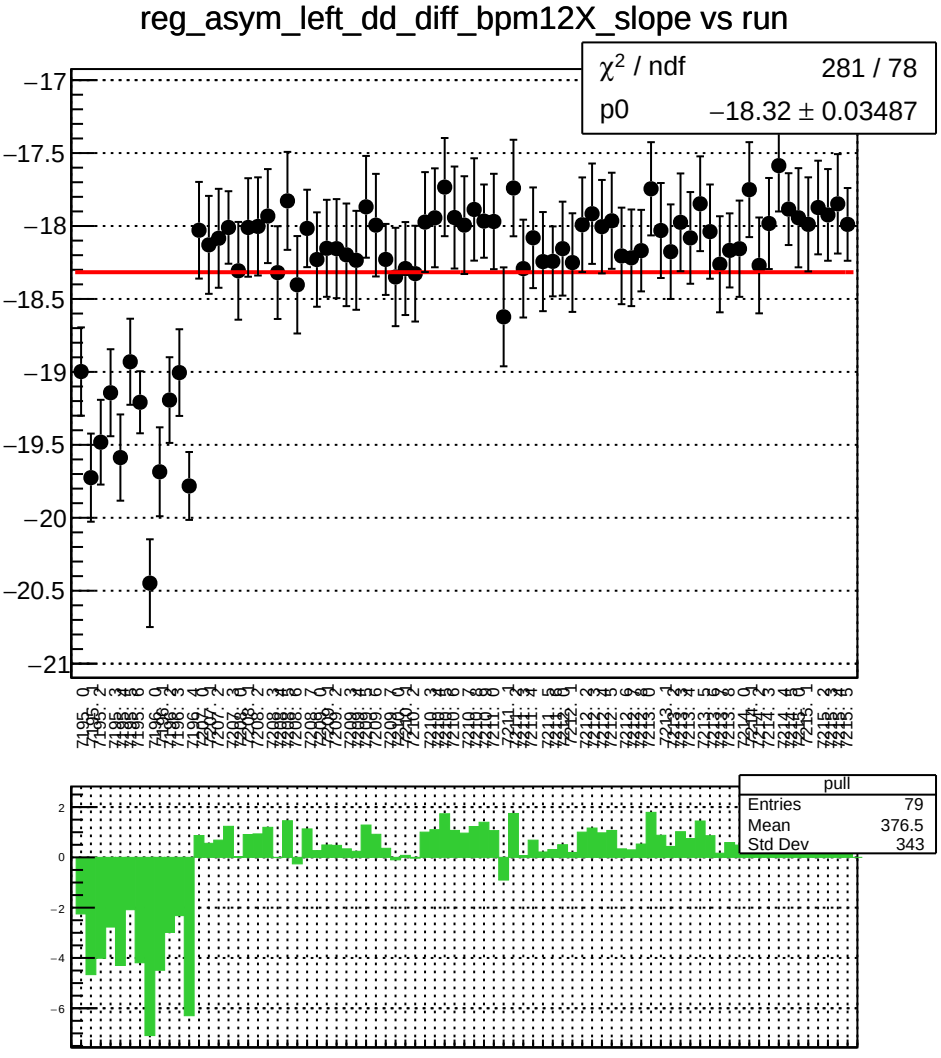

pull1D
Entries 79
Mean −0.02439
Std Dev 0.6805

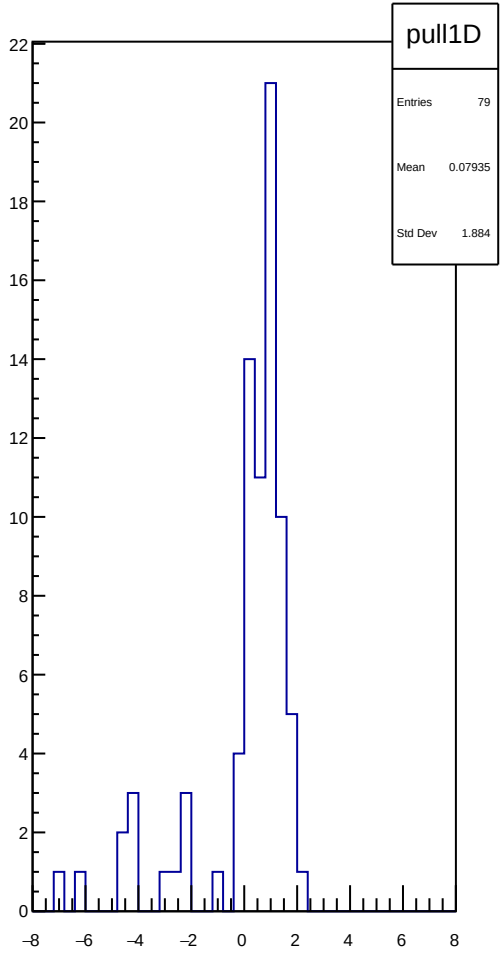

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 29.56 / 78
p0 5.006 ± 0.9853
pull
Entries 79
Mean 115.5
Std Dev 79.54

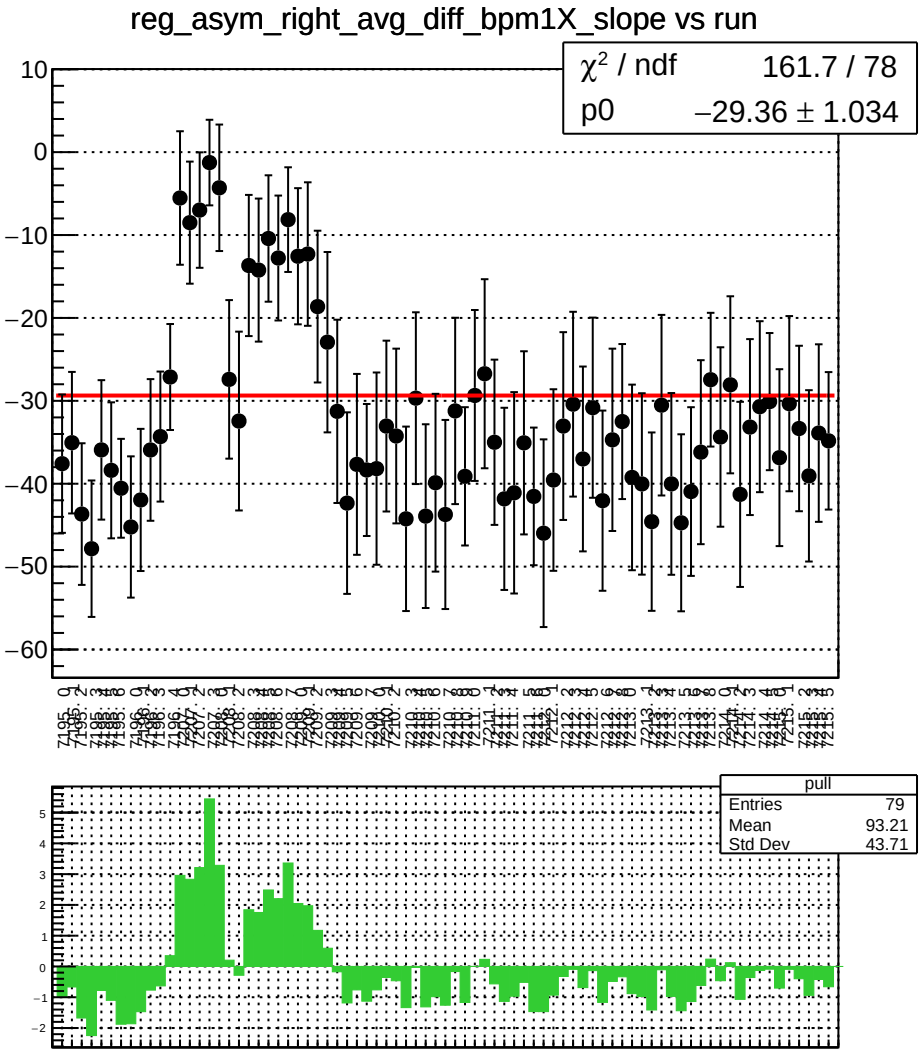

pull1D
Entries 79
Mean −0.04279
Std Dev 0.6102

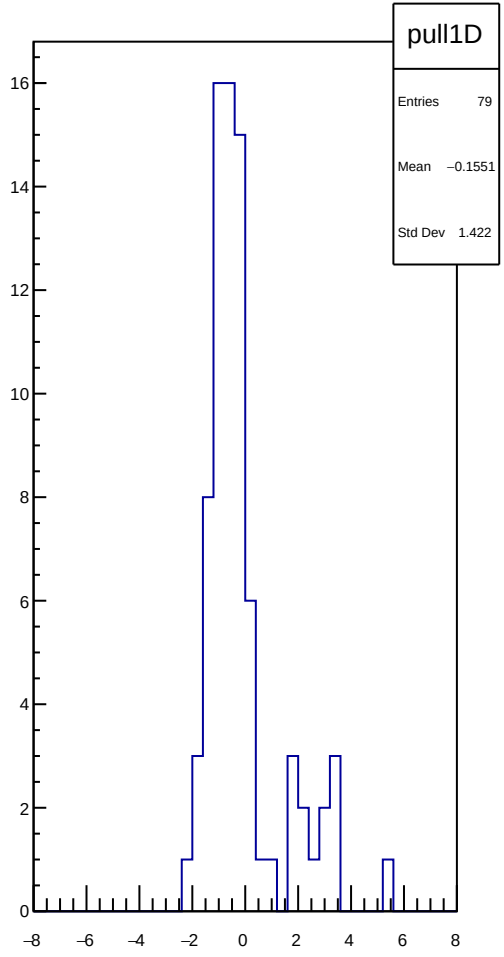

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.43 / 78
p0 8.402 ± 0.8299
pull
Entries 79
Mean 274
Std Dev 239.2

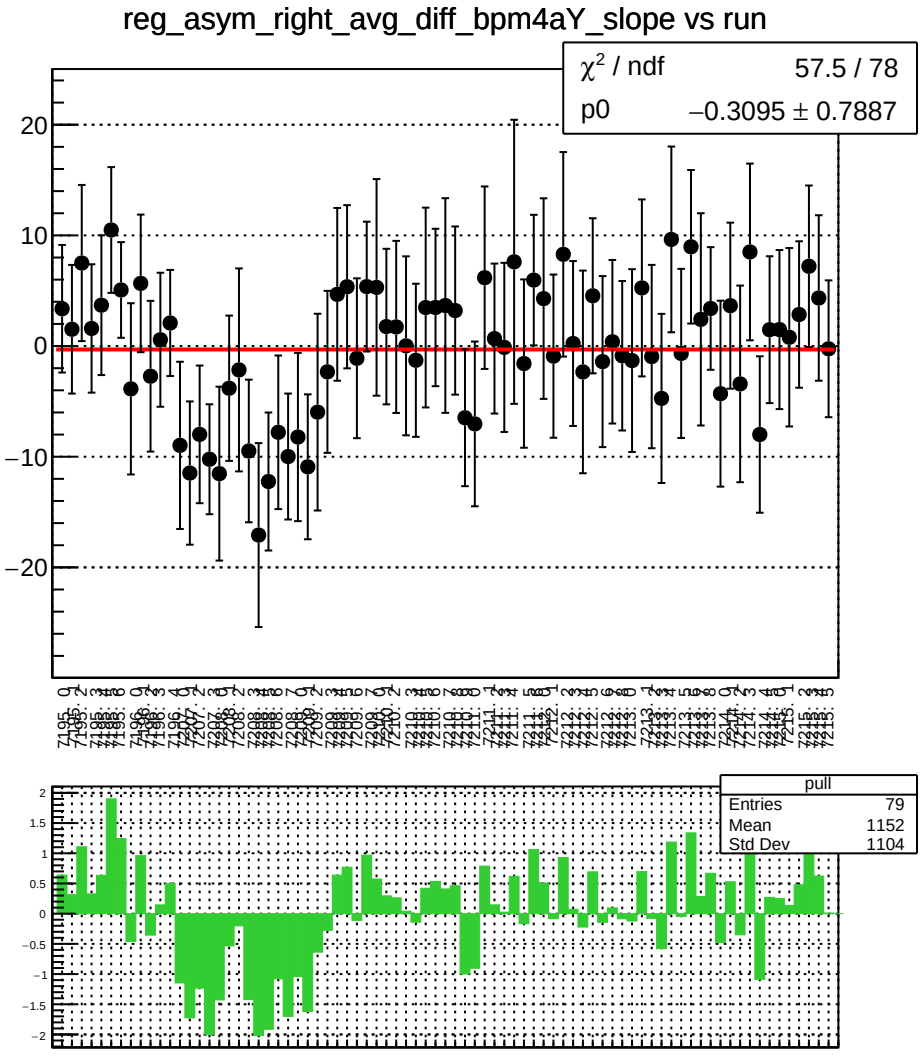

pull1D
Entries 79
Mean 0.03065
Std Dev 0.7577

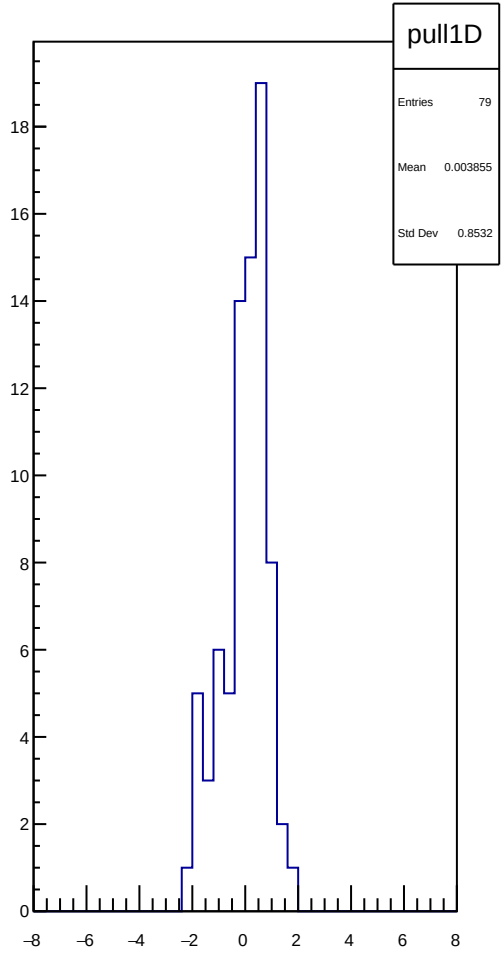

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 281 / 78
p0 −18.32 ± 0.03487
pull
Entries 79
Mean 376.5
Std Dev 343

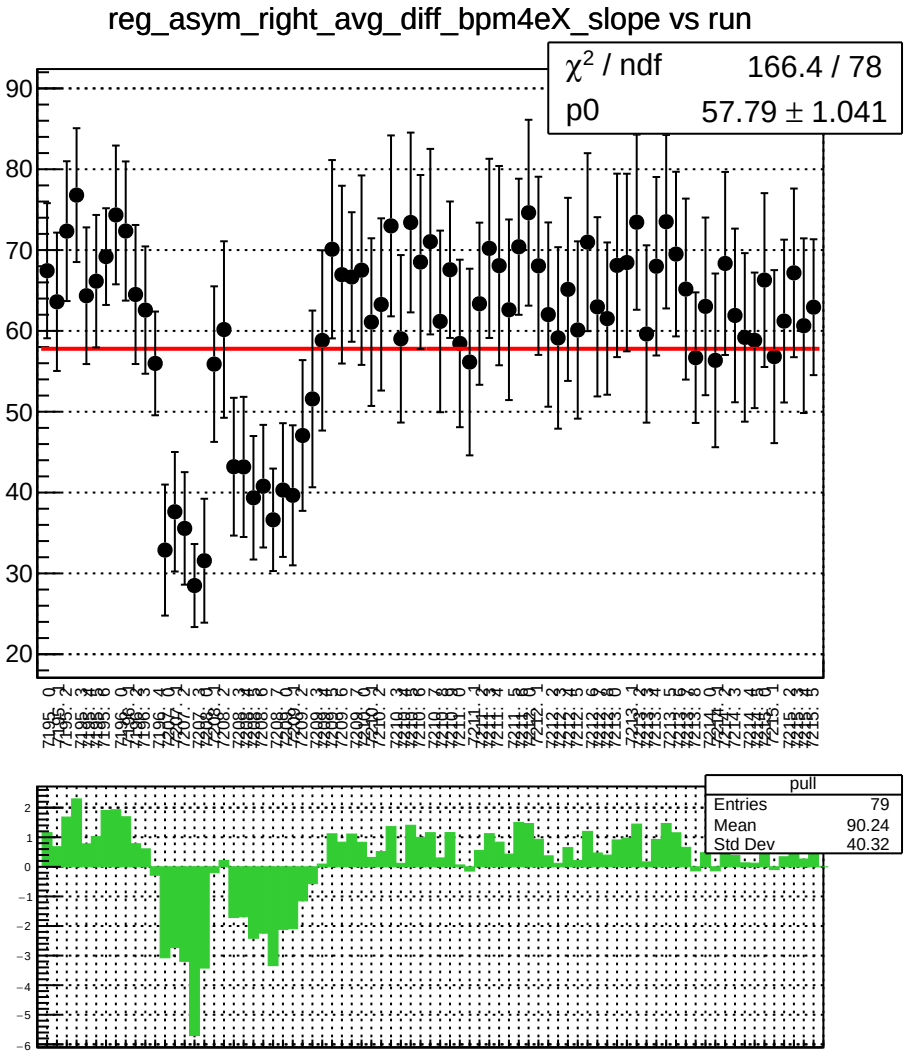

pull1D
Entries 79
Mean 0.07935
Std Dev 1.884

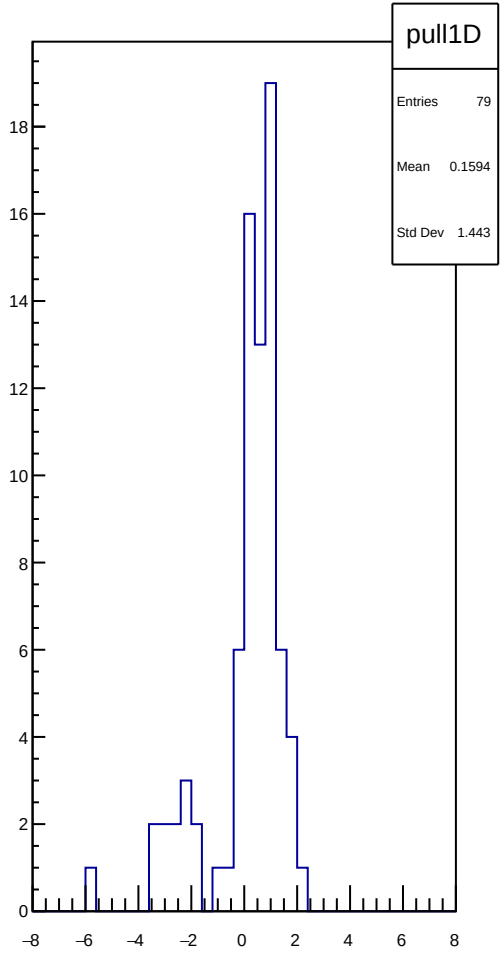

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 161.7 / 78
p0 −29.36 ± 1.034
pull
Entries 79
Mean 93.21
Std Dev 43.71

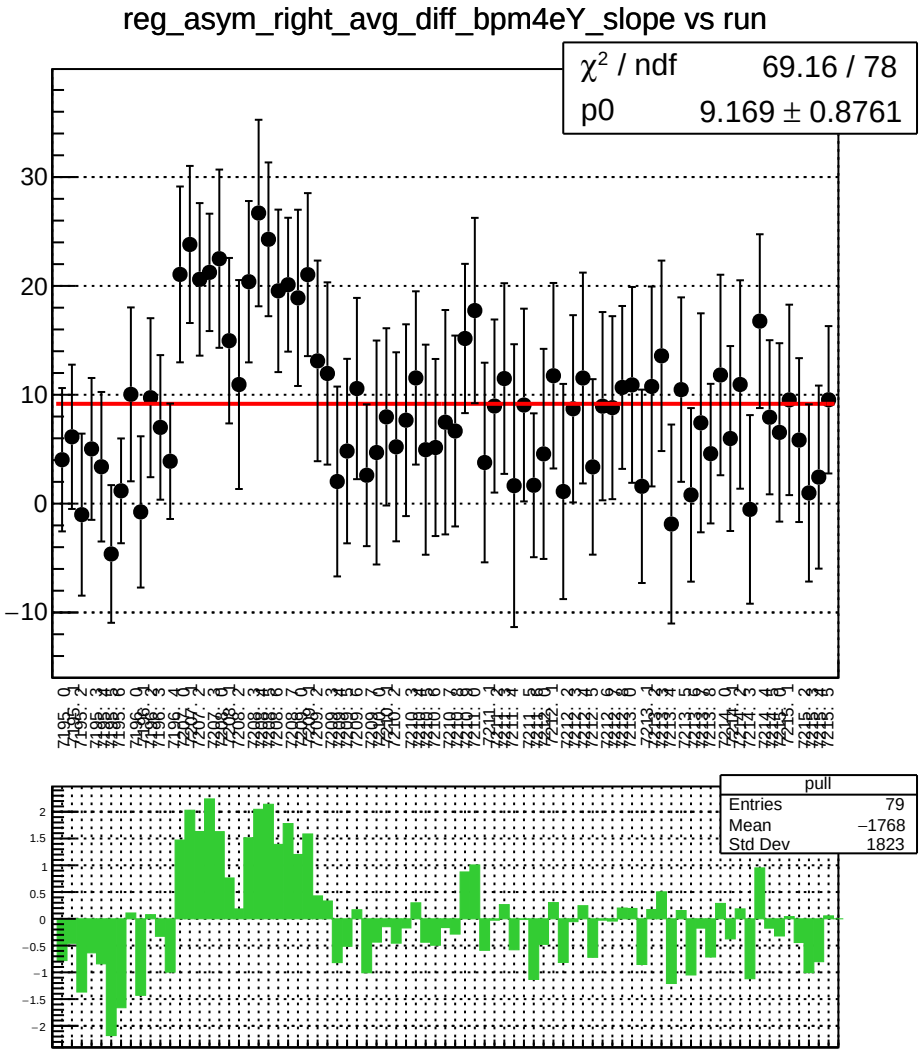

pull1D
Entries 79
Mean −0.1551
Std Dev 1.422

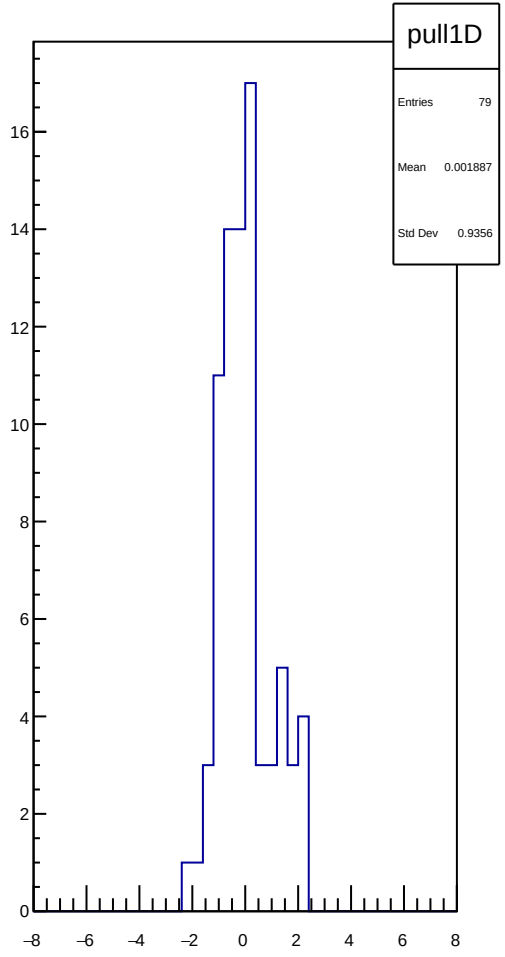

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.5 / 78
p0 −0.3095 ± 0.7887
pull
Entries 79
Mean 1152
Std Dev 1104

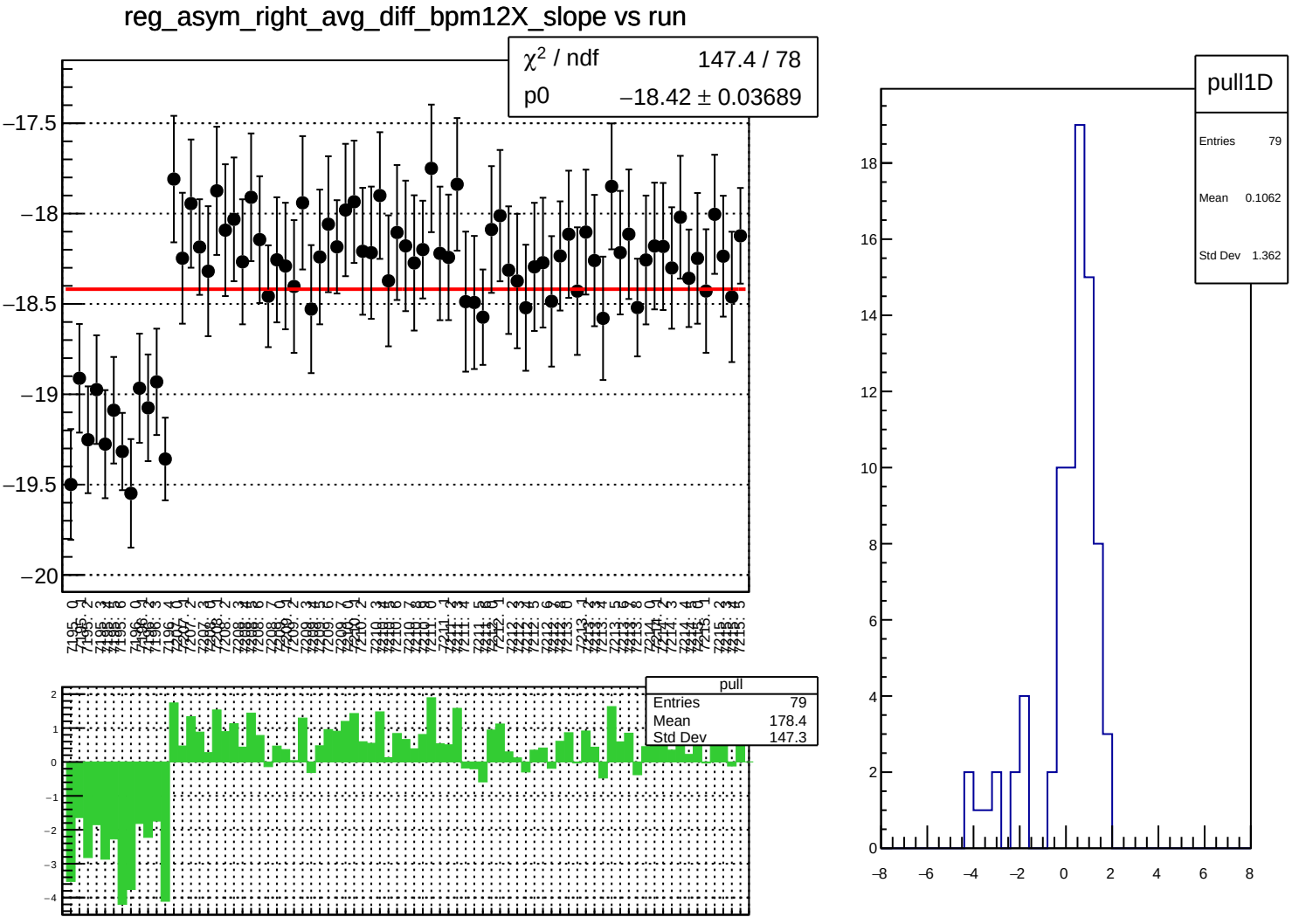

pull1D
Entries 79
Mean 0.003855
Std Dev 0.8532

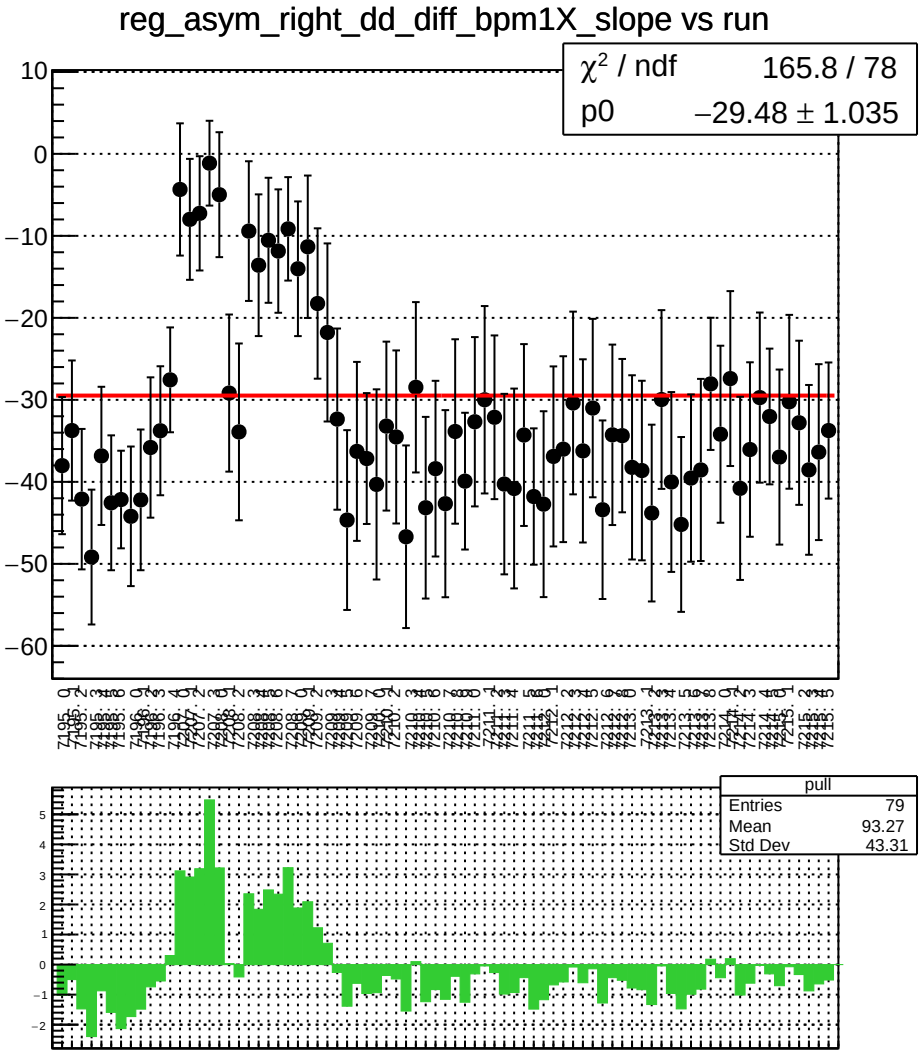

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 166.4 / 78
p0 57.79 ± 1.041
pull
Entries 79
Mean 90.24
Std Dev 40.32

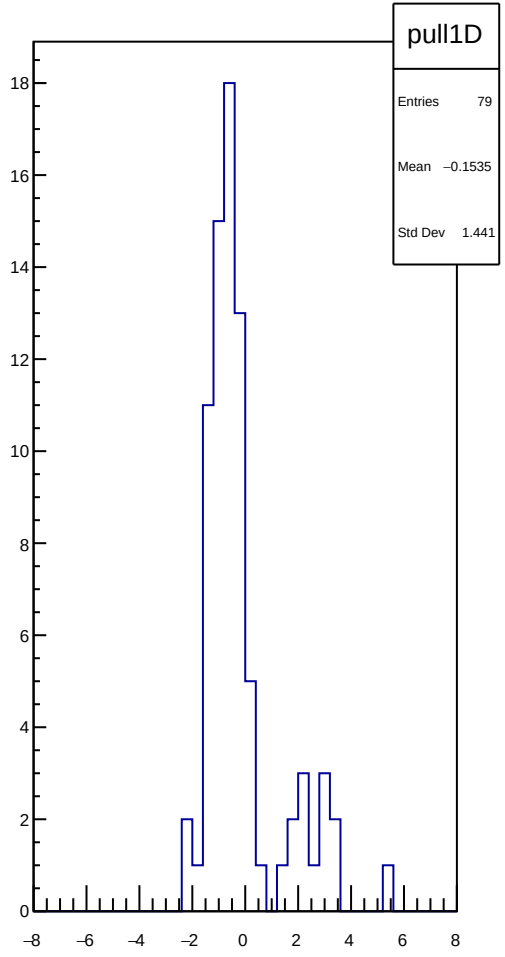

pull1D
Entries 79
Mean 0.1594
Std Dev 1.443

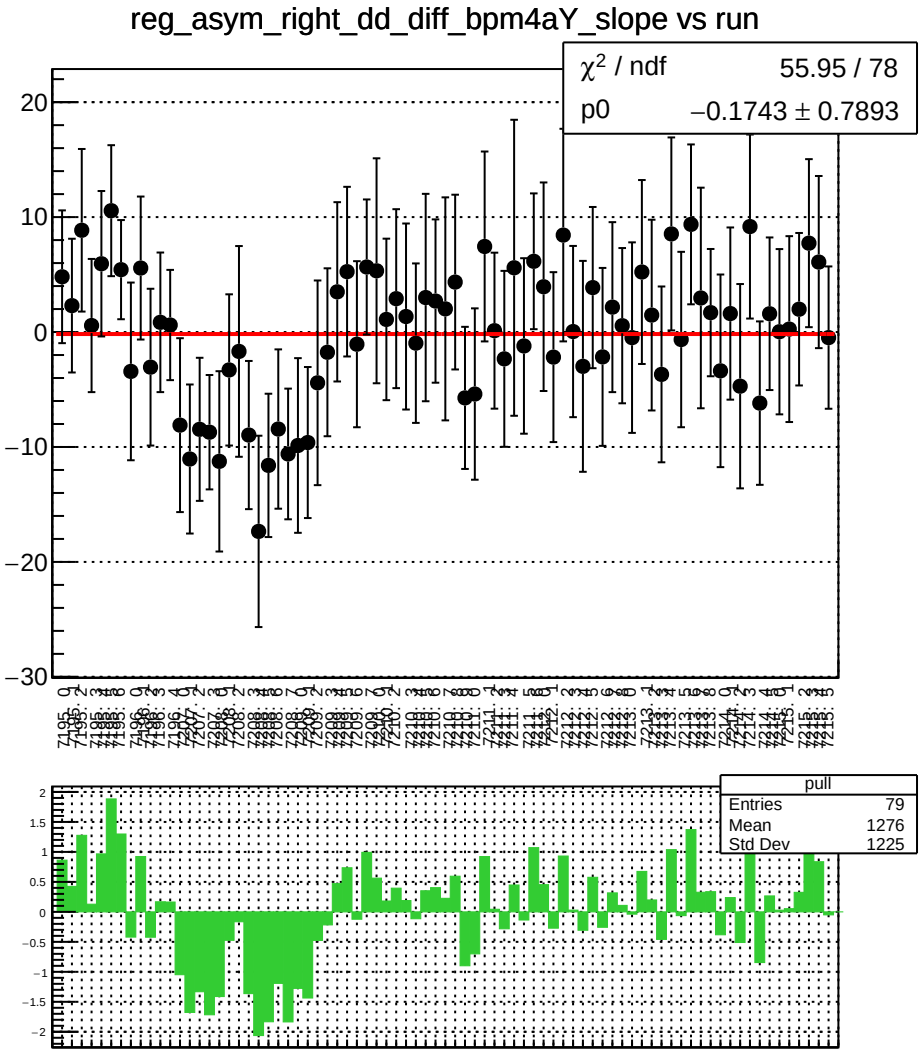

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 69.16 / 78
p0 9.169 ± 0.8761
pull
Entries 79
Mean −1768
Std Dev 1823

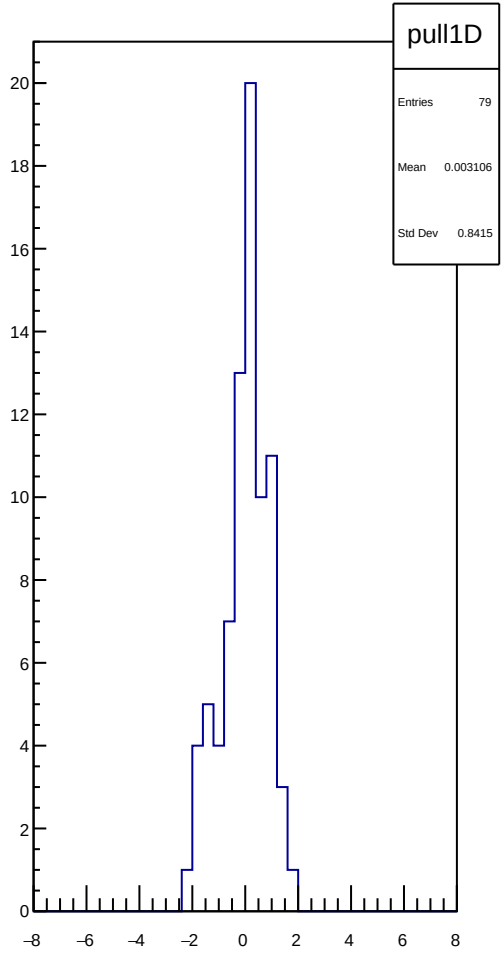

pull1D
Entries 79
Mean 0.001887
Std Dev 0.9356

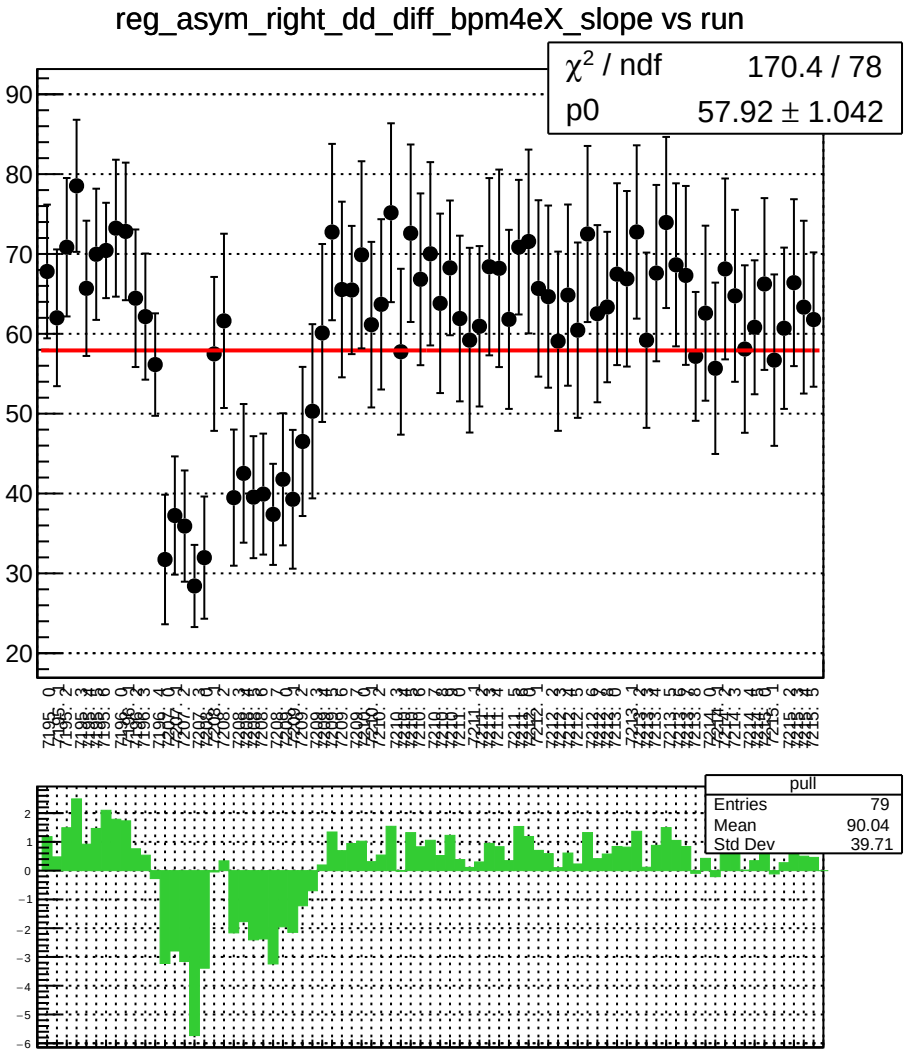

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 147.4 / 78
p0 −18.42 ± 0.03689
pull
Entries 79
Mean 178.4
Std Dev 147.3
pull1D
Entries 79
Mean 0.1062
Std Dev 1.362

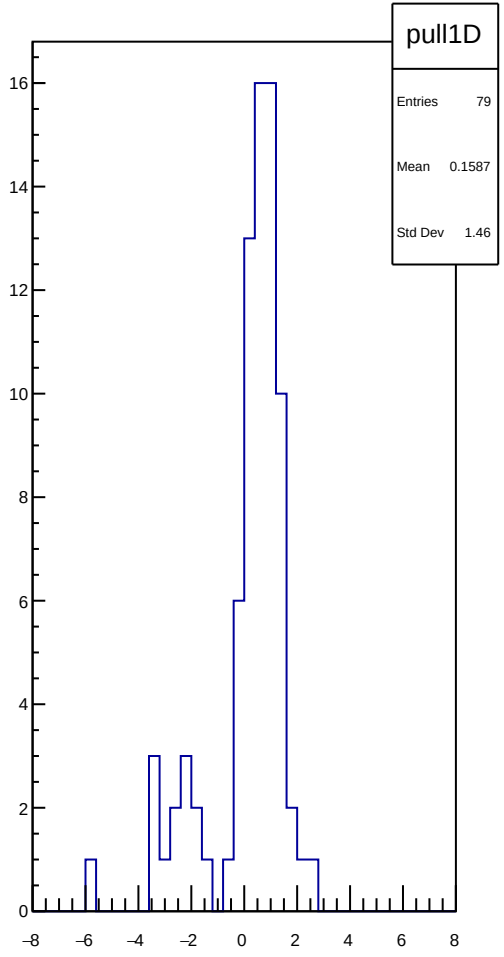

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 165.8 / 78
p0 −29.48 ± 1.035
pull
Entries 79
Mean 93.27
Std Dev 43.31

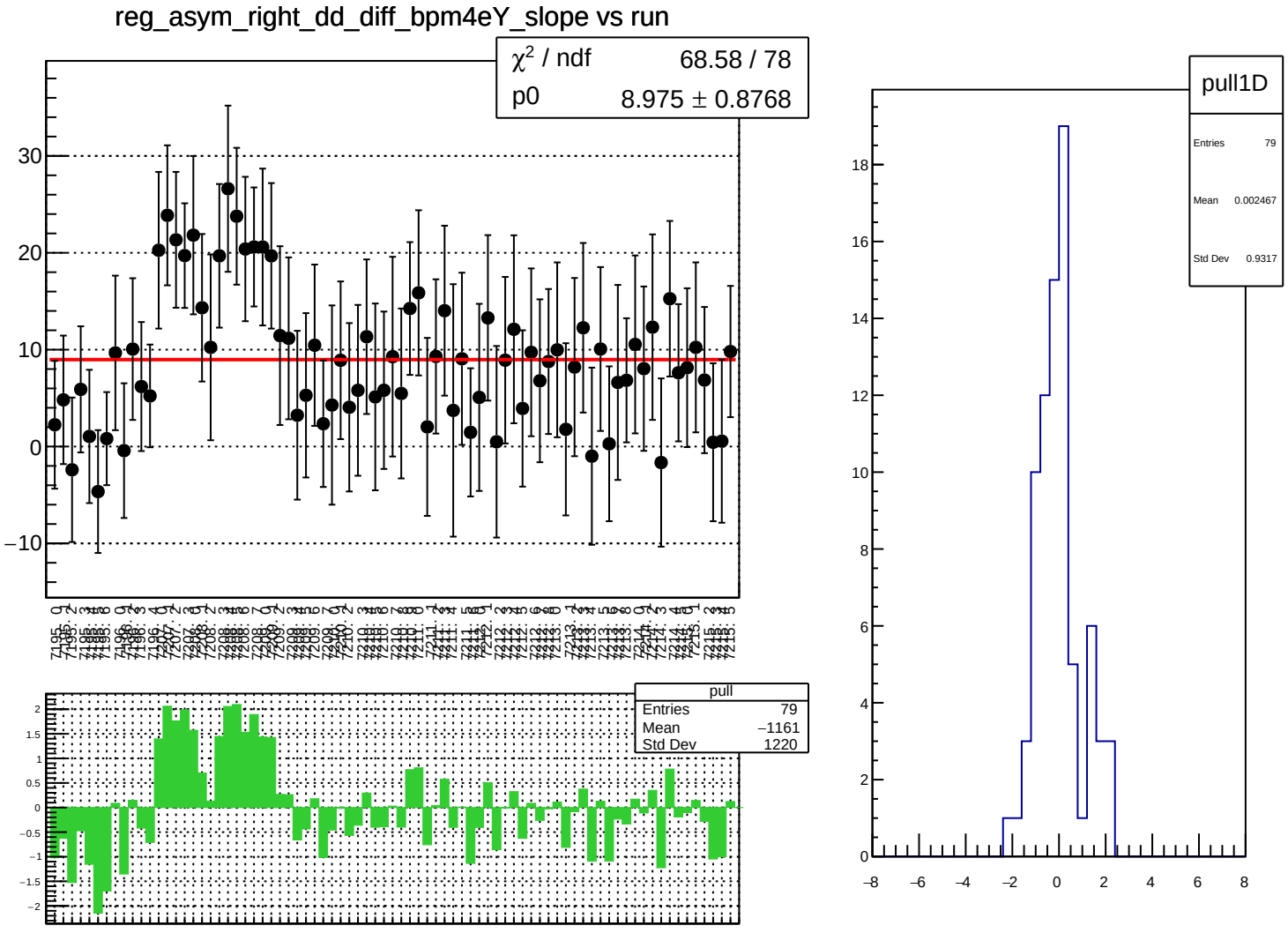

pull1D
Entries 79
Mean −0.1535
Std Dev 1.441

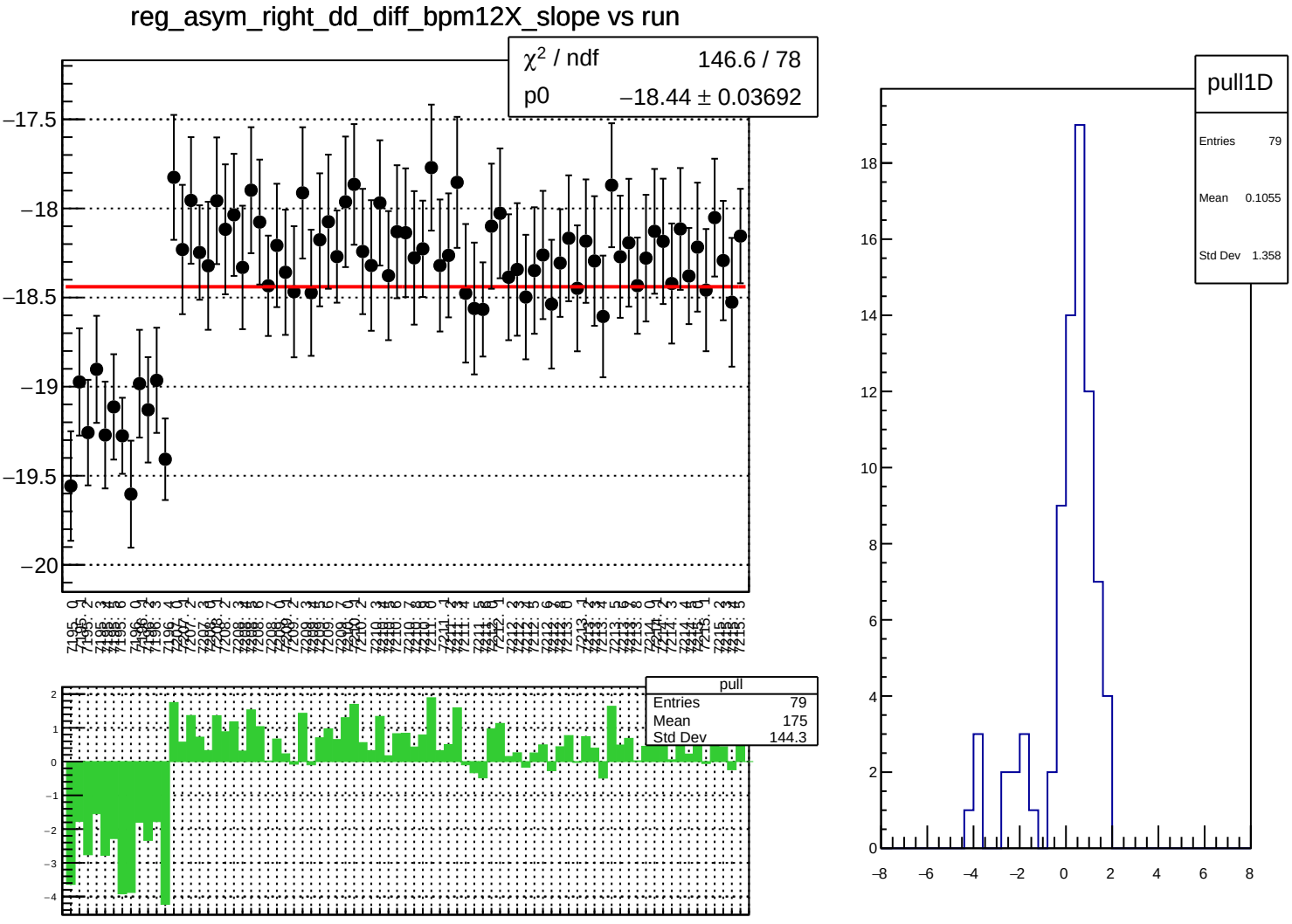

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 55.95 / 78
p0 −0.1743 ± 0.7893
pull
Entries 79
Mean 1276
Std Dev 1225

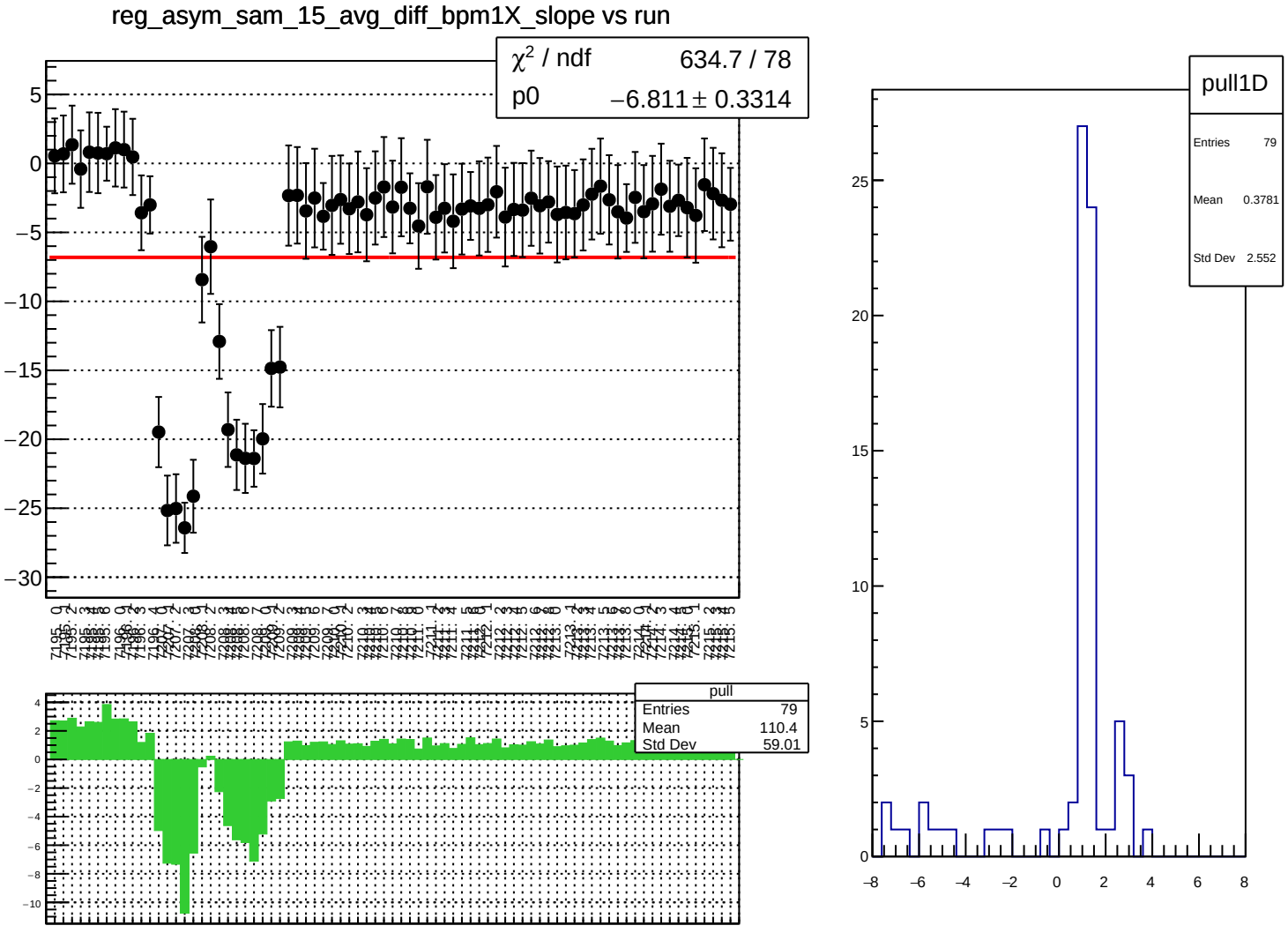

pull1D
Entries 79
Mean 0.003106
Std Dev 0.8415

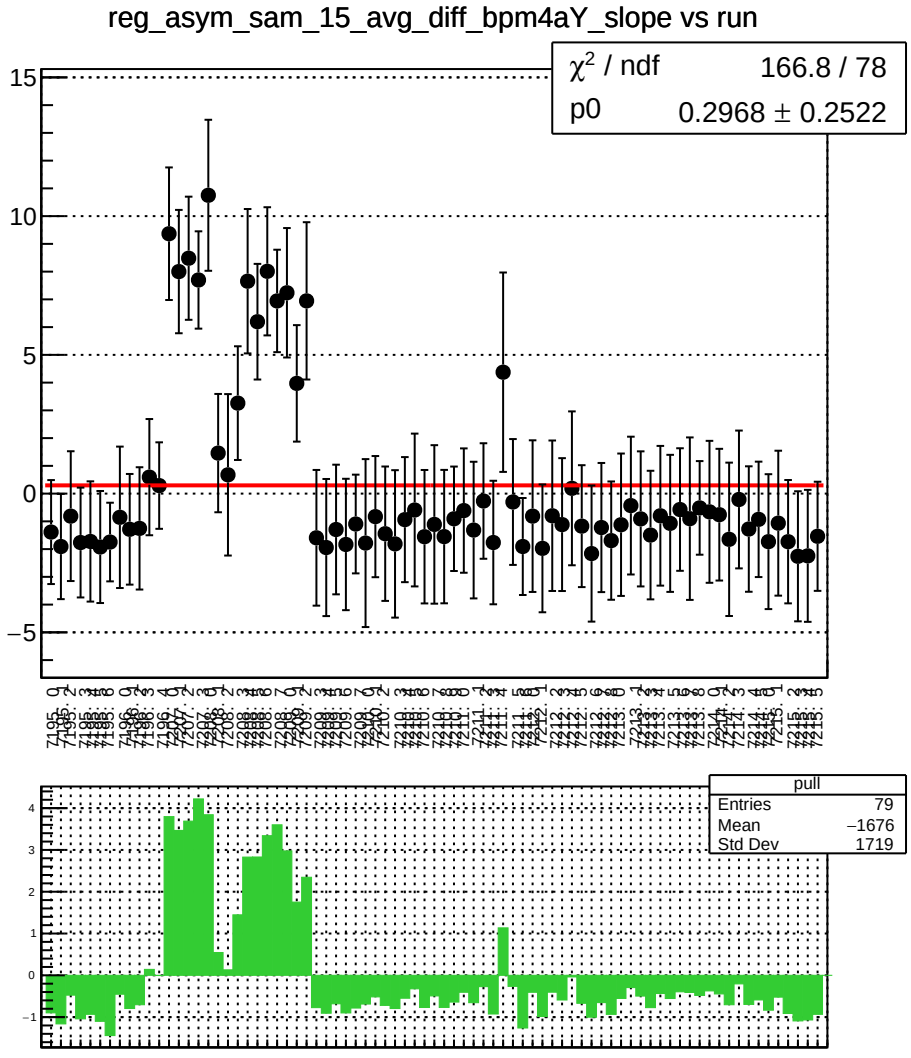

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 170.4 / 78
p0 57.92 ± 1.042
pull
Entries 79
Mean 90.04
Std Dev 39.71

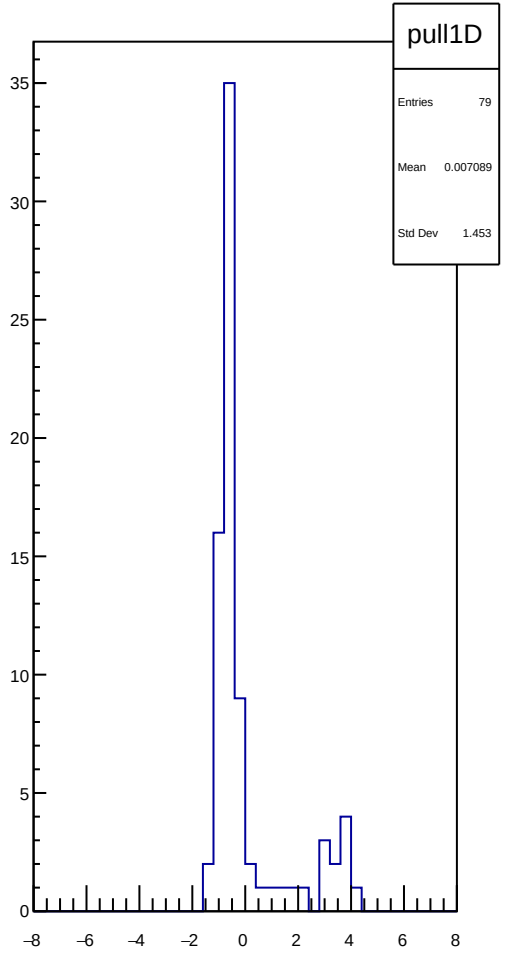

pull1D
Entries 79
Mean 0.1587
Std Dev 1.46


reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.58 / 78
p0 8.975 ± 0.8768
pull
Entries 79
Mean −1161
Std Dev 1220
pull1D
Entries 79
Mean 0.002467
Std Dev 0.9317

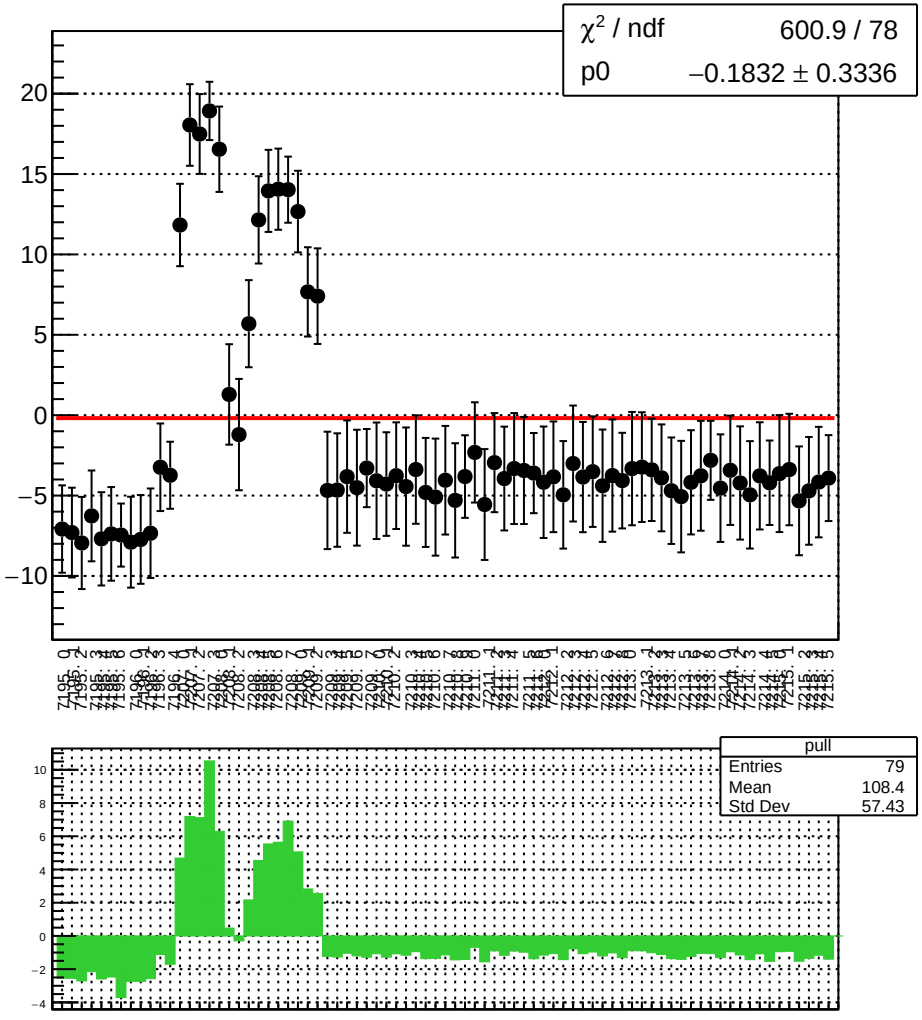

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 146.6 / 78
p0 −18.44 ± 0.03692
pull
Entries 79
Mean 175
Std Dev 144.3
pull1D
Entries 79
Mean 0.1055
Std Dev 1.358

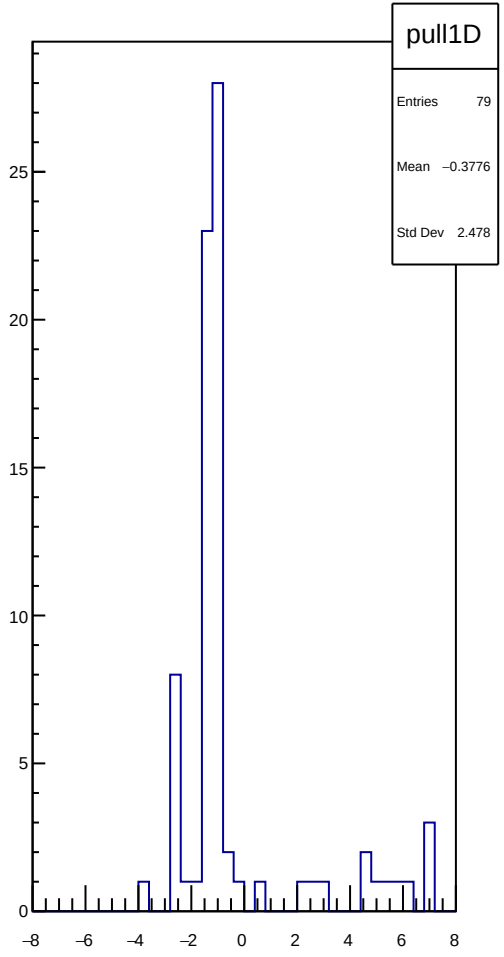

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 634.7 / 78
p0 −6.811 ± 0.3314
pull
Entries 79
Mean 110.4
Std Dev 59.01
pull1D
Entries 79
Mean 0.3781
Std Dev 2.552

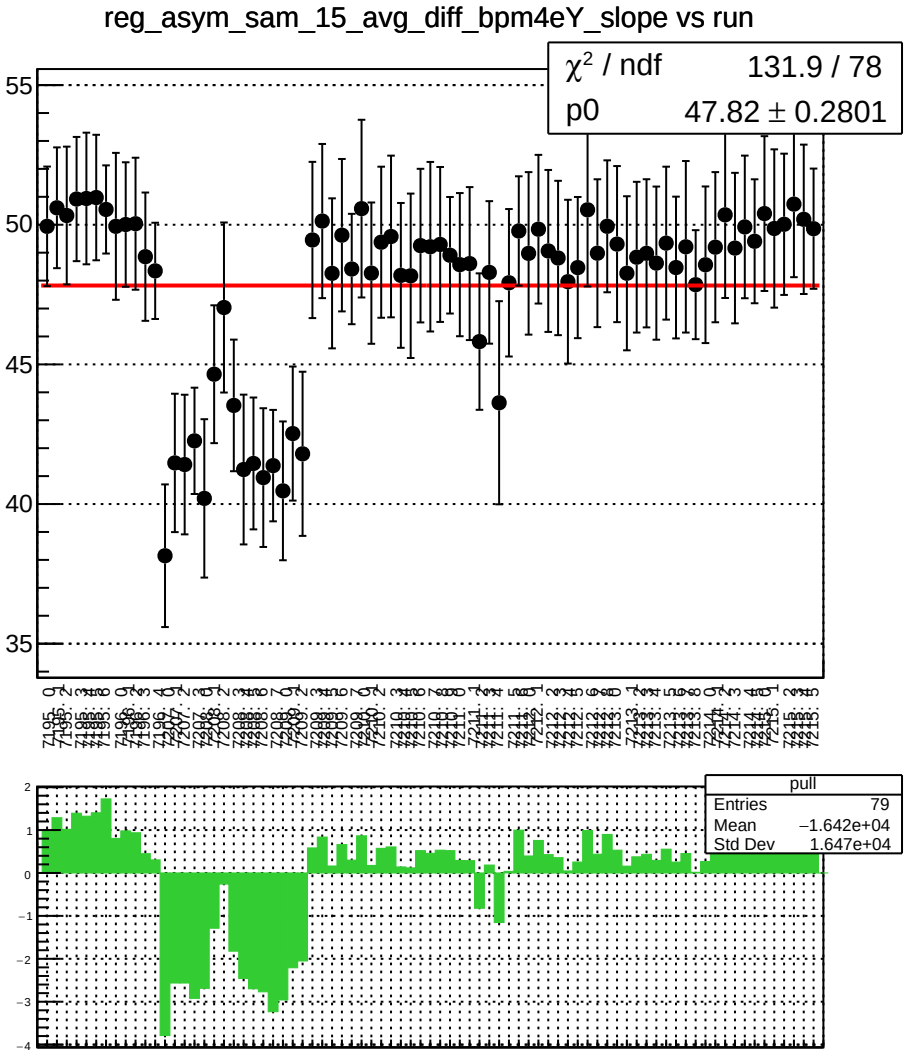

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 166.8 / 78
p0 0.2968 ± 0.2522
pull
Entries 79
Mean −1676
Std Dev 1719

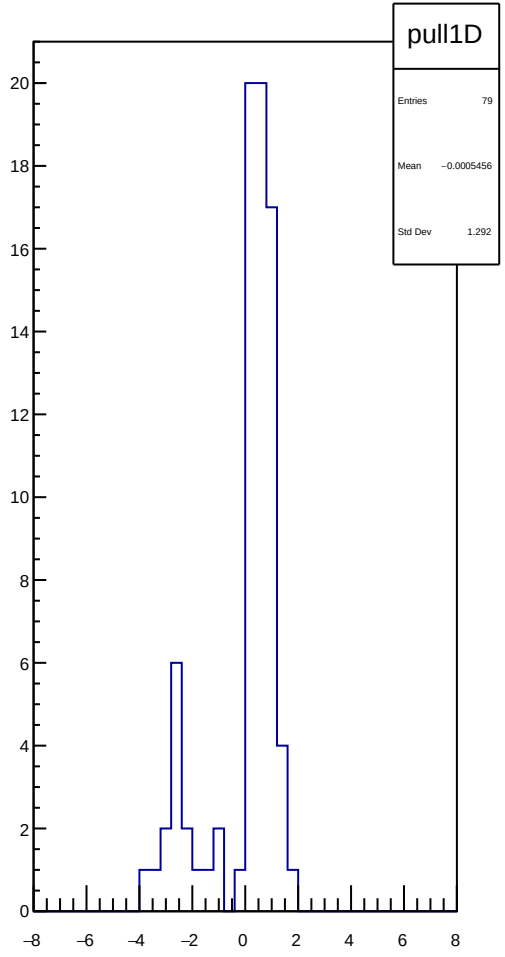

pull1D
Entries 79
Mean 0.007089
Std Dev 1.453

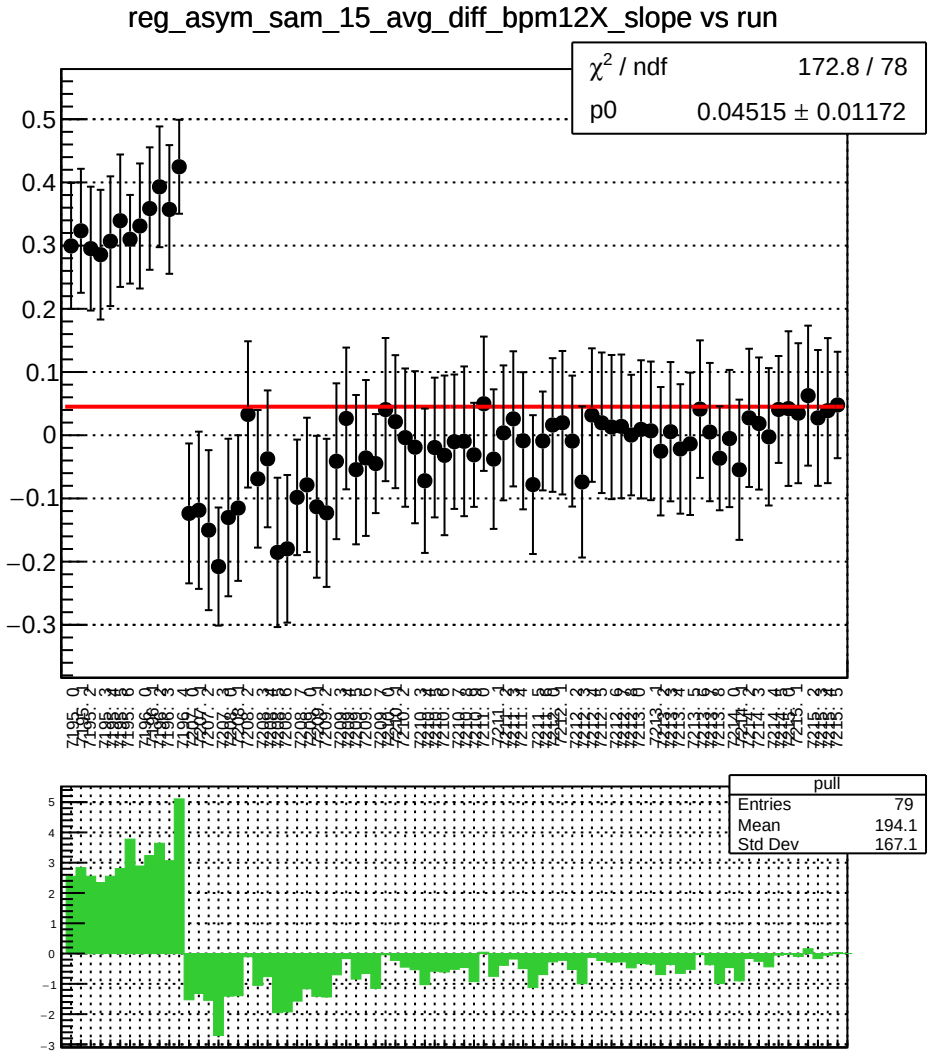
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run

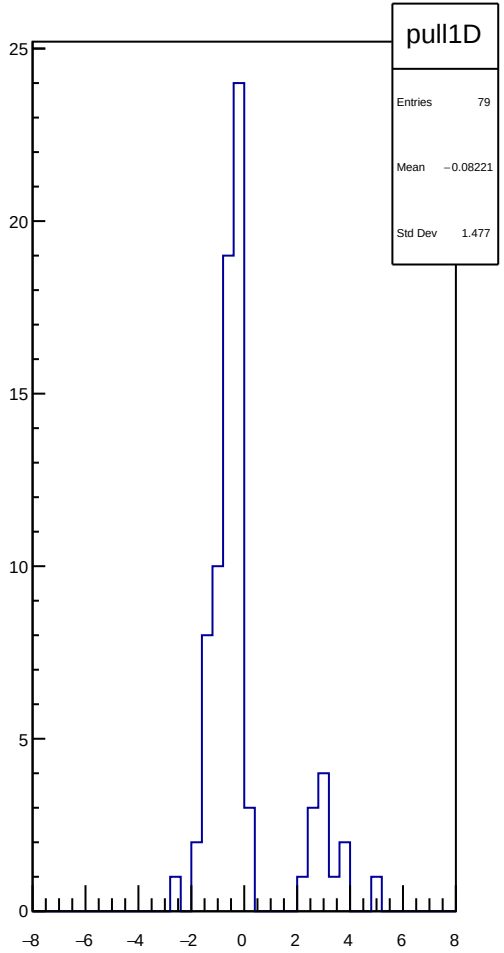




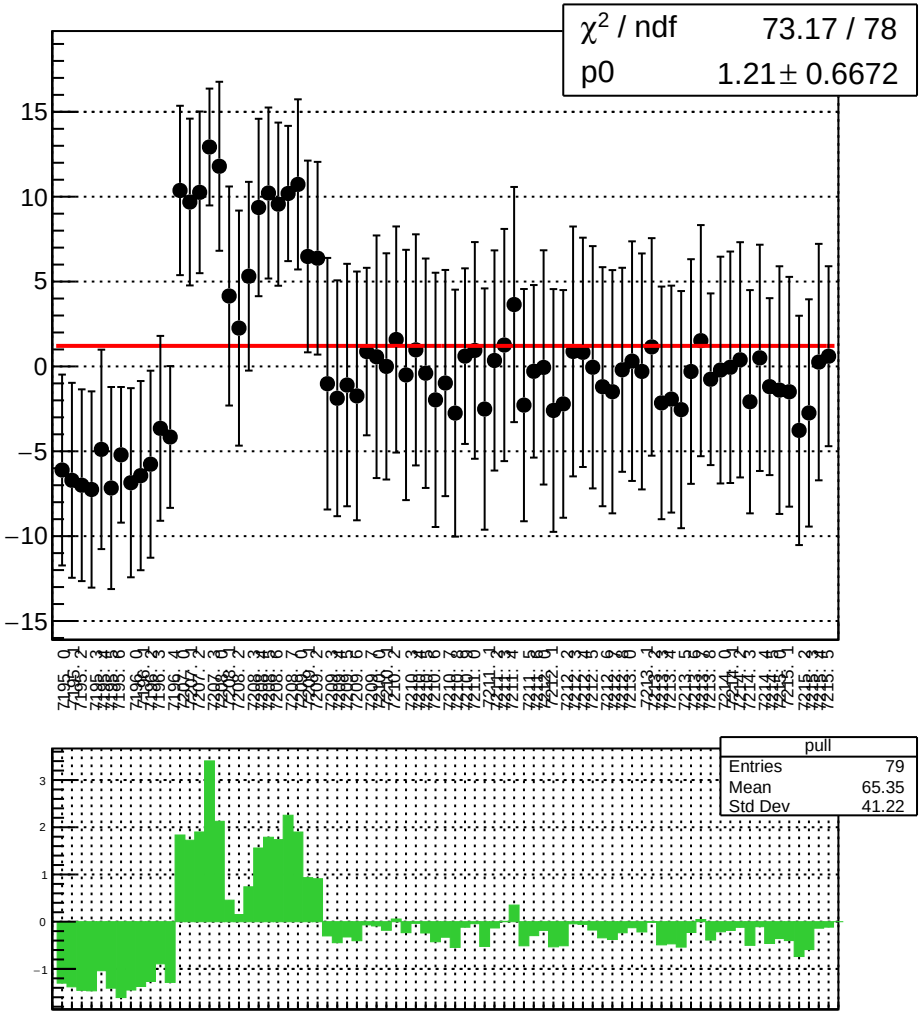

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 131.9 / 78
p0 47.82 ± 0.2801
pull
Entries 79
Mean −1.642e+04
Std Dev 1.647e+04

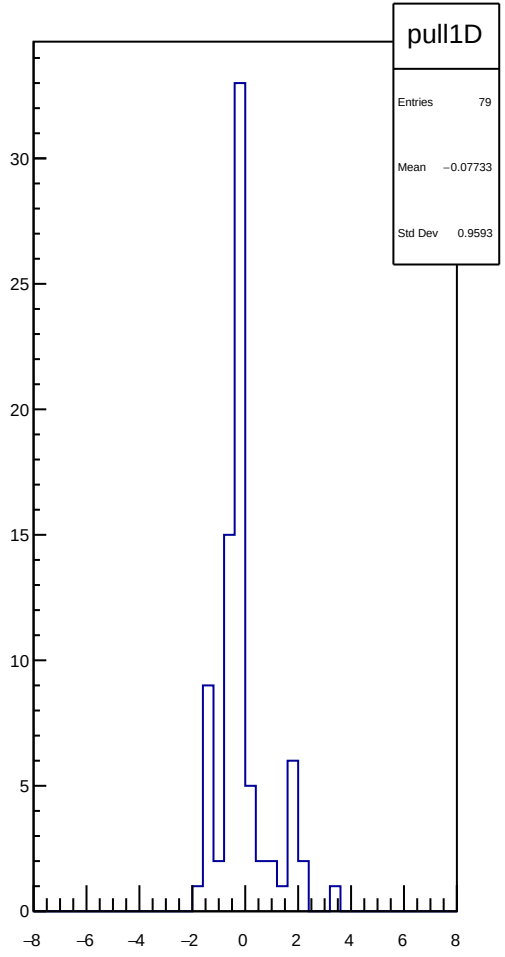

pull1D
Entries 79
Mean −0.0005456
Std Dev 1.292

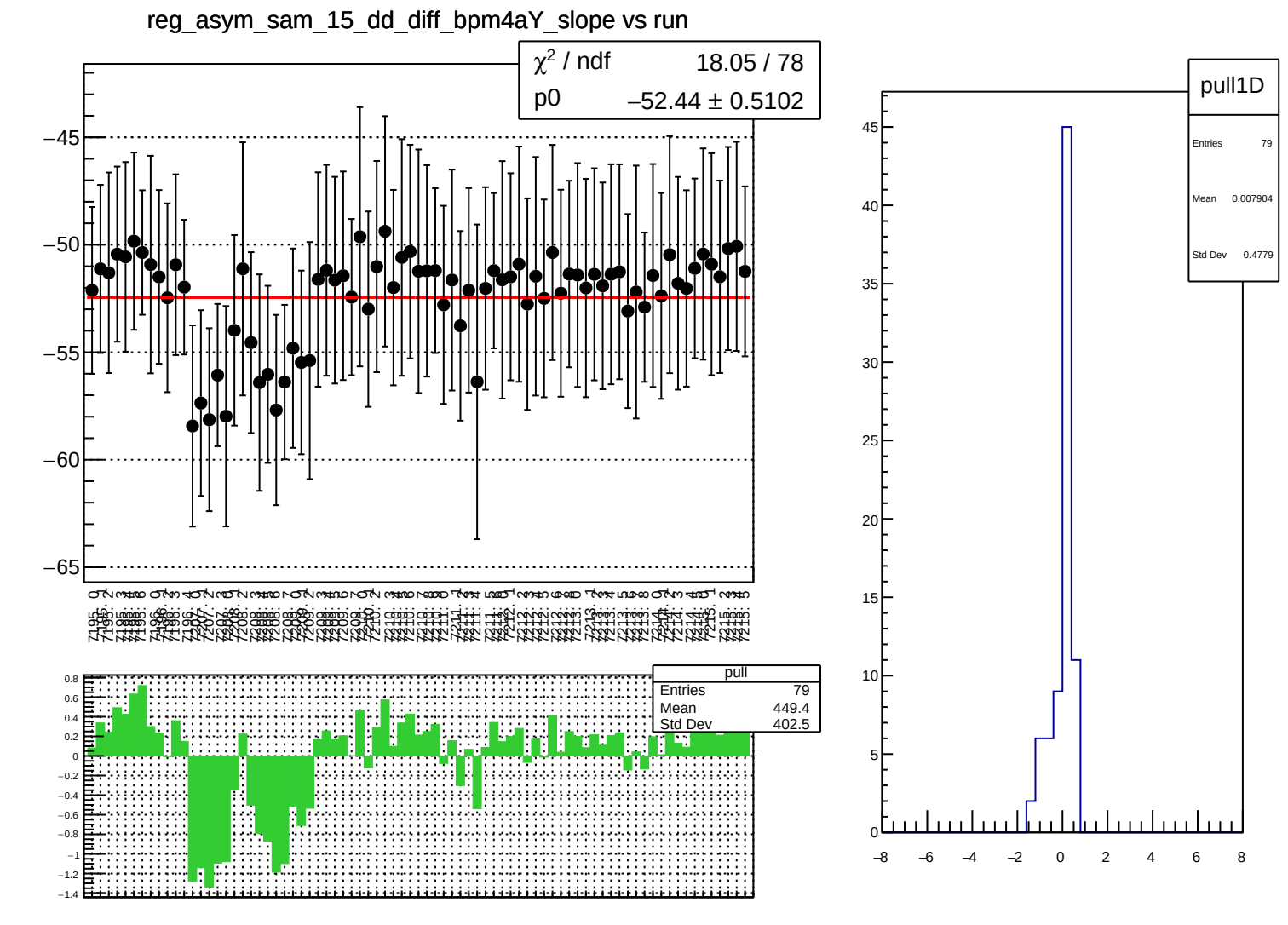

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 172.8 / 78
p0 0.04515 ± 0.01172
pull
Entries 79
Mean 194.1
Std Dev 167.1

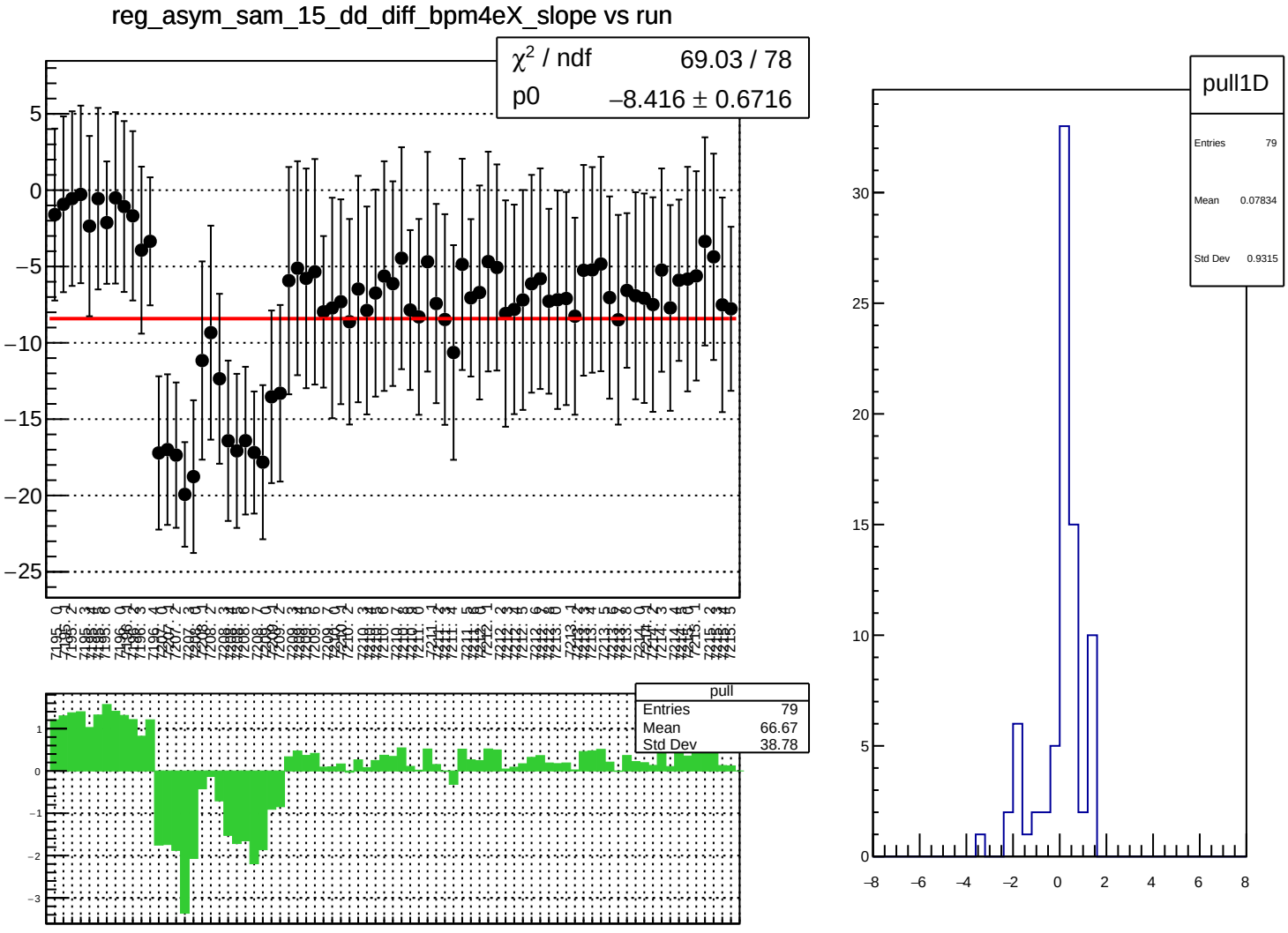

pull1D
Entries 79
Mean −0.08221
Std Dev 1.477

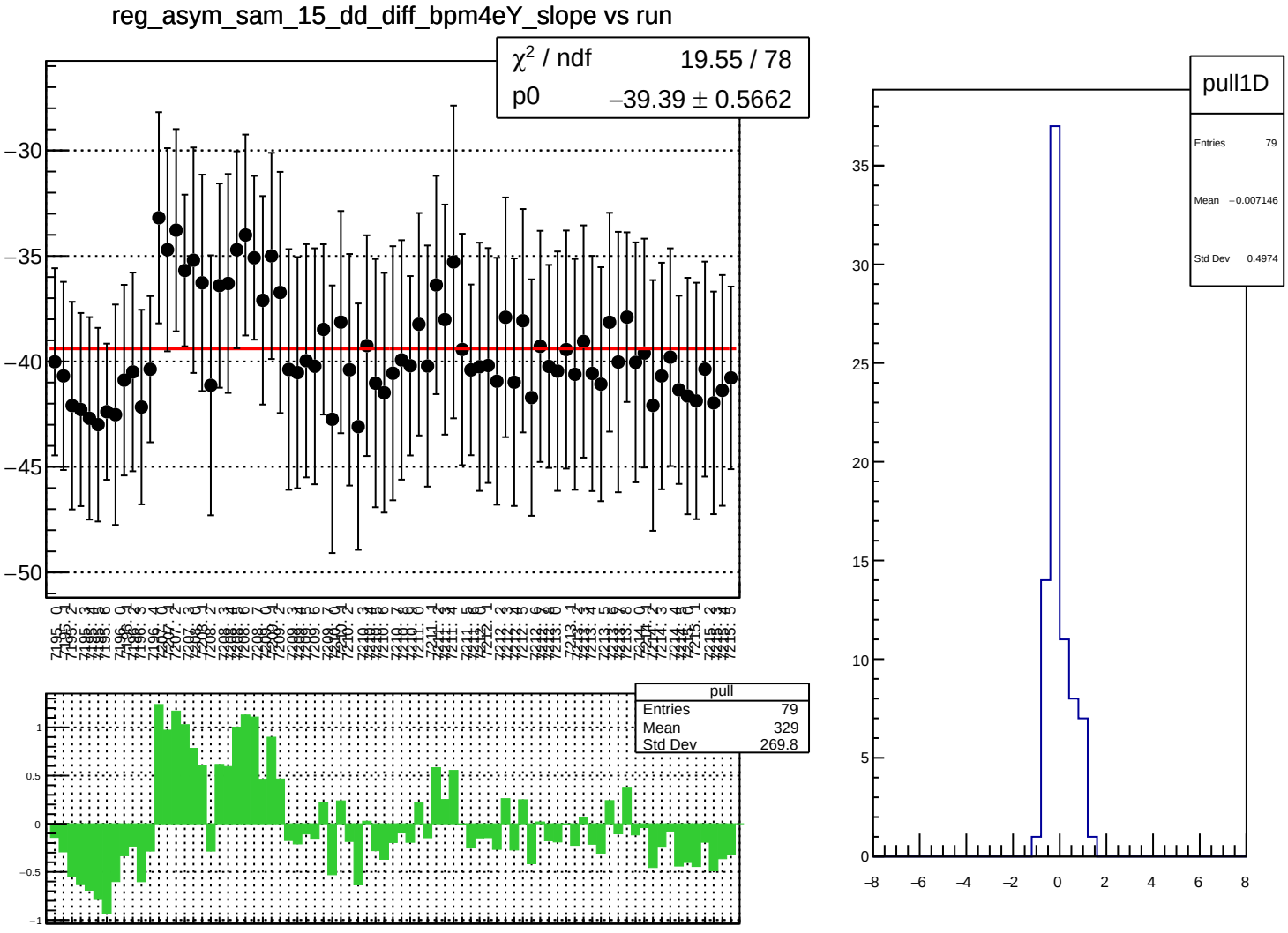
reg_asym_sam_15_dd_diff_bpm1X_slope vs run

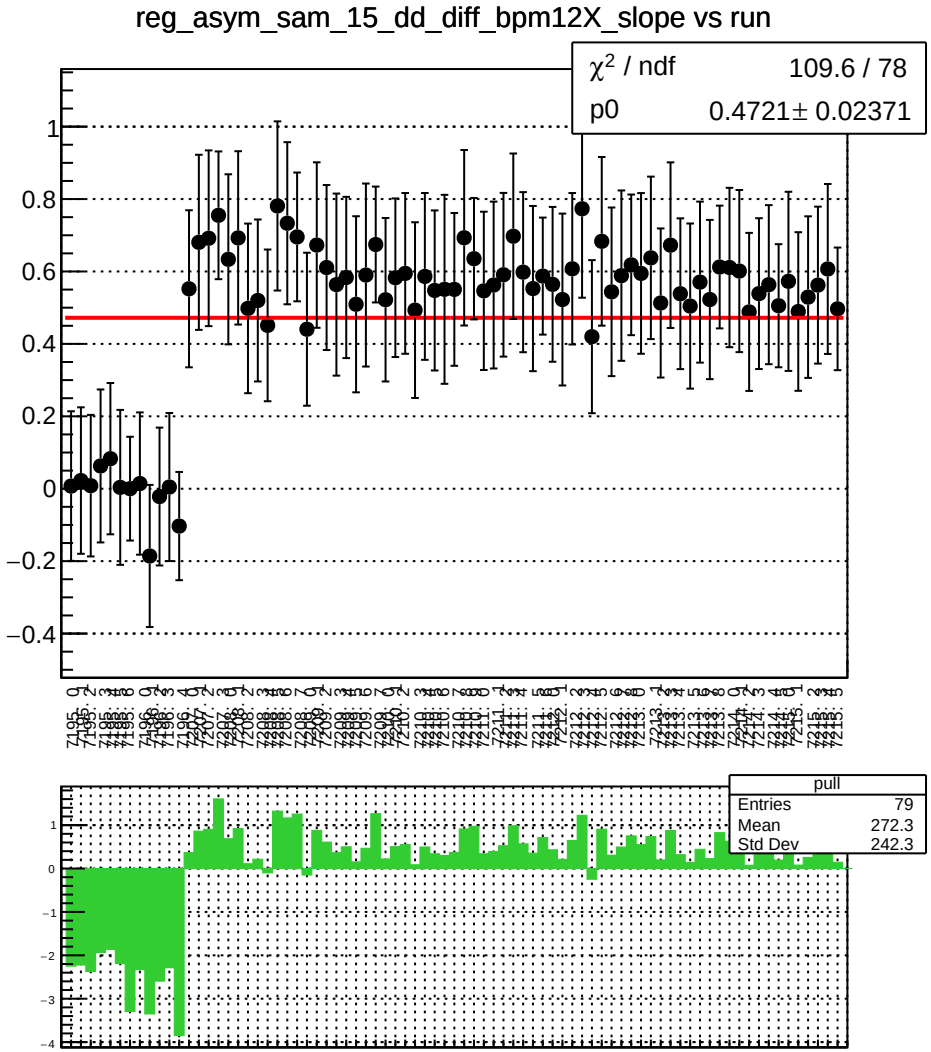


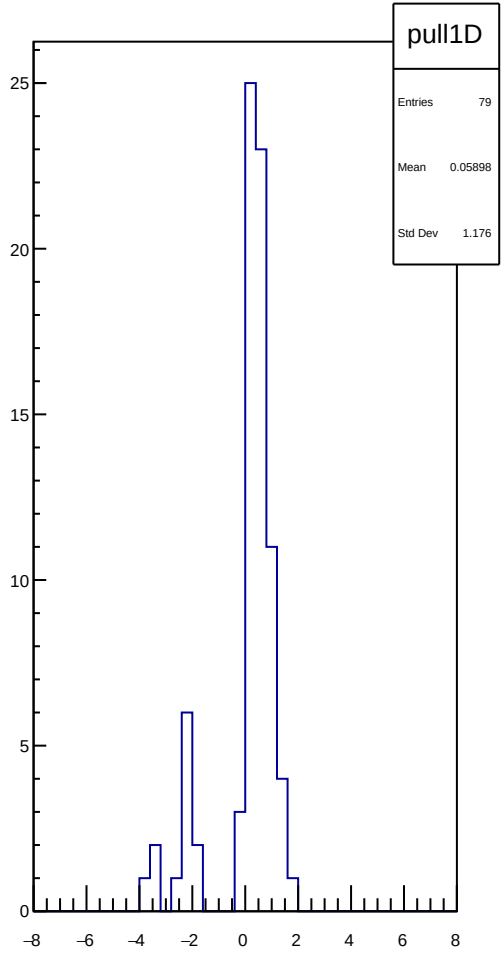


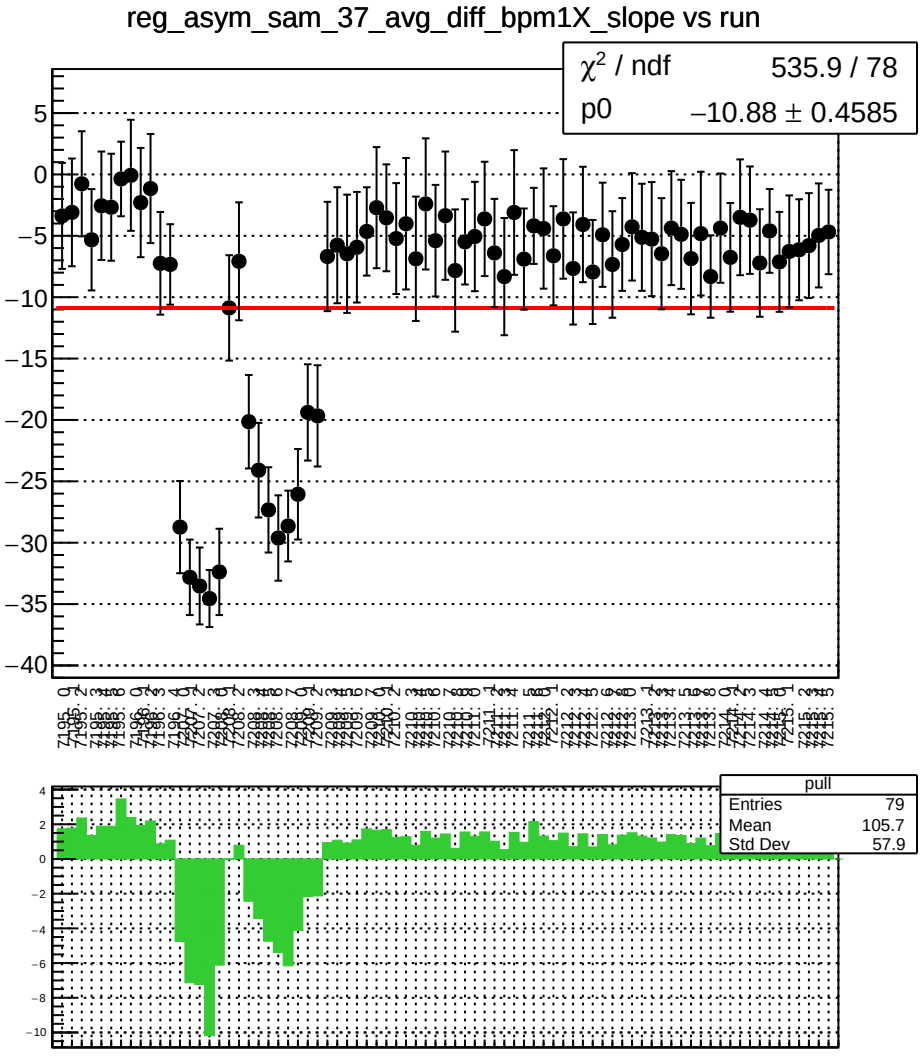

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.05 / 78
p0 −52.44 ± 0.5102
pull
Entries 79
Mean 449.4
Std Dev 402.5
pull1D
Entries 79
Mean 0.007904
Std Dev 0.4779

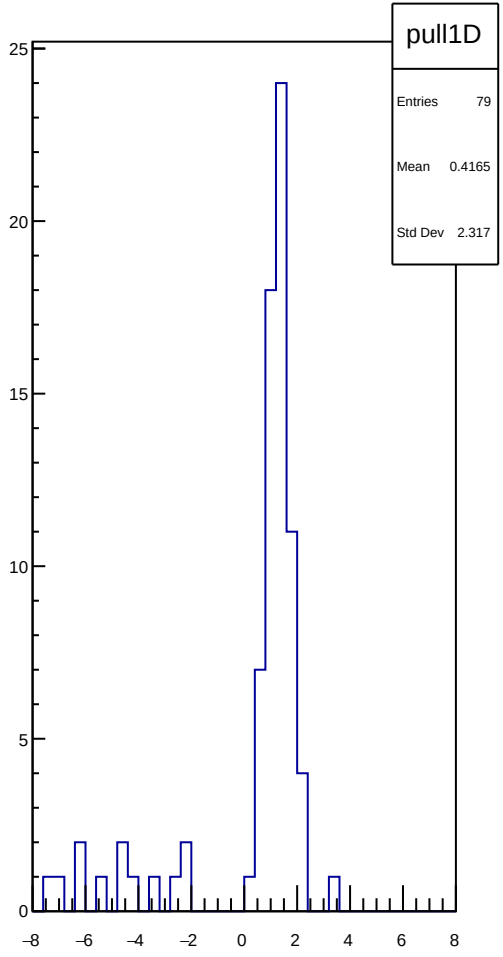

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 69.03 / 78
p0 −8.416 ± 0.6716
pull
Entries 79
Mean 66.67
Std Dev 38.78
pull1D
Entries 79
Mean 0.07834
Std Dev 0.9315

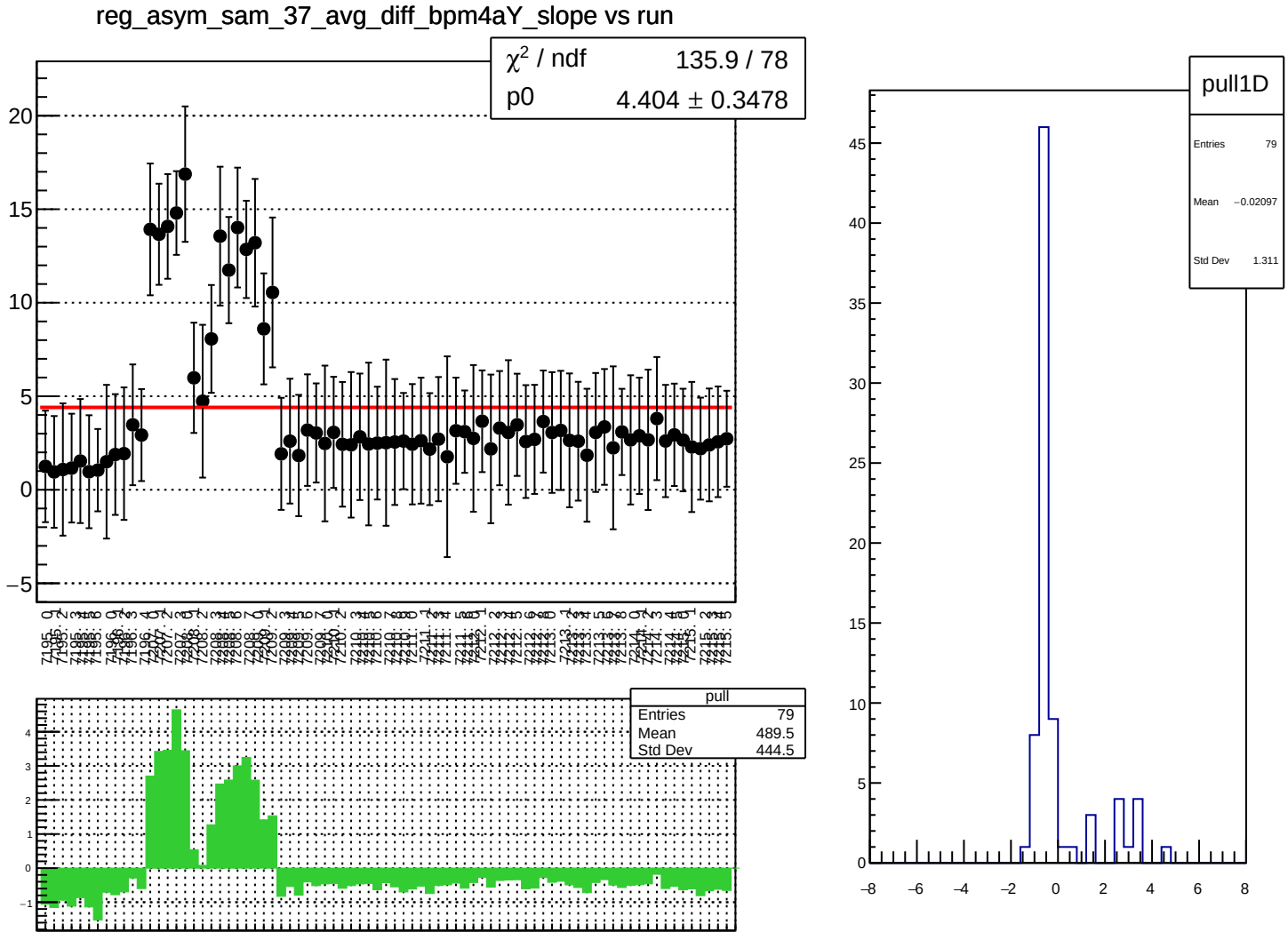

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.55 / 78
p0 −39.39 ± 0.5662
pull
Entries 79
Mean 329
Std Dev 269.8
pull1D
Entries 79
Mean −0.007146
Std Dev 0.4974

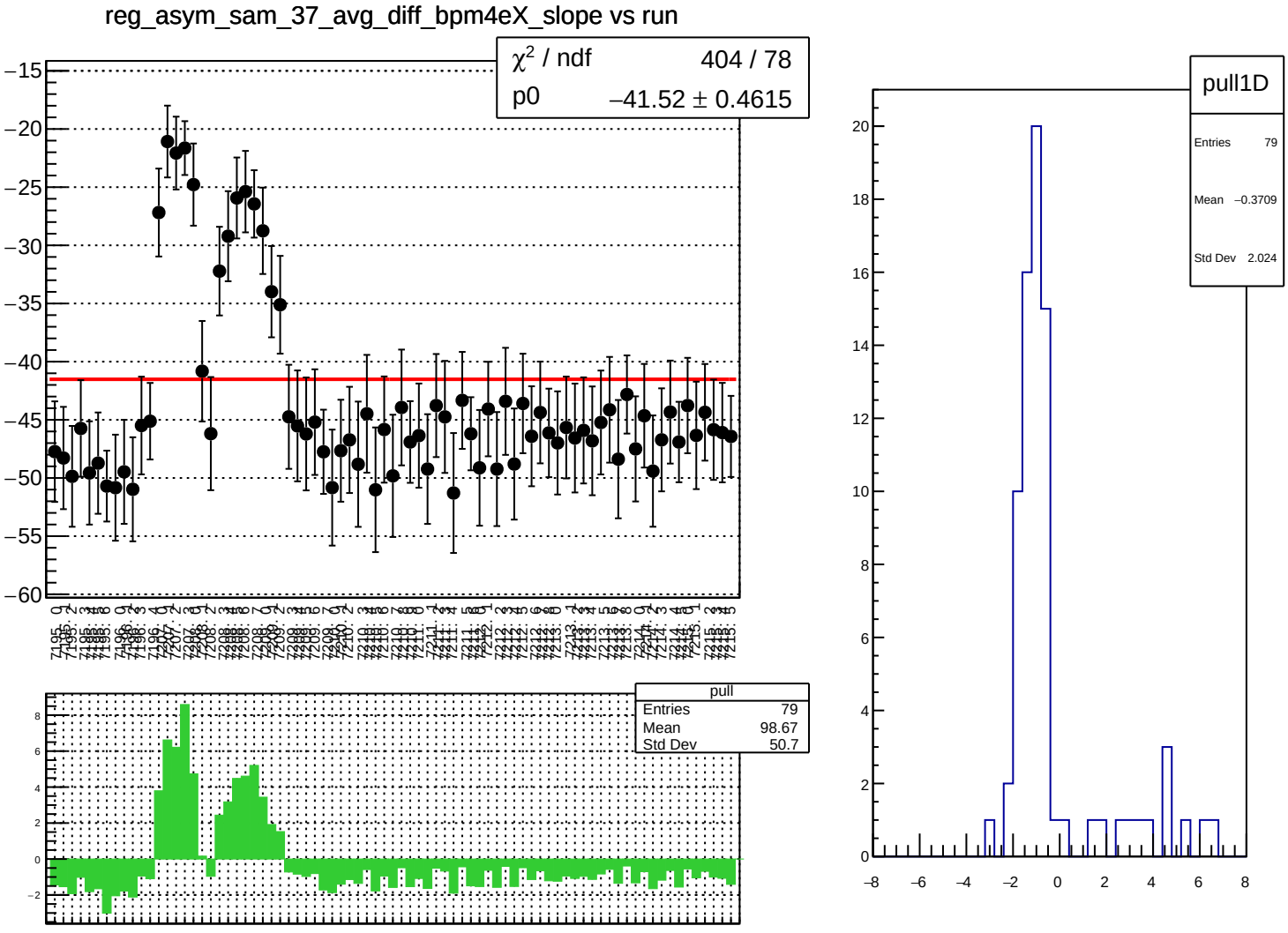

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 109.6 / 78
p0 0.4721± 0.02371
pull
Entries 79
Mean 272.3
Std Dev 242.3

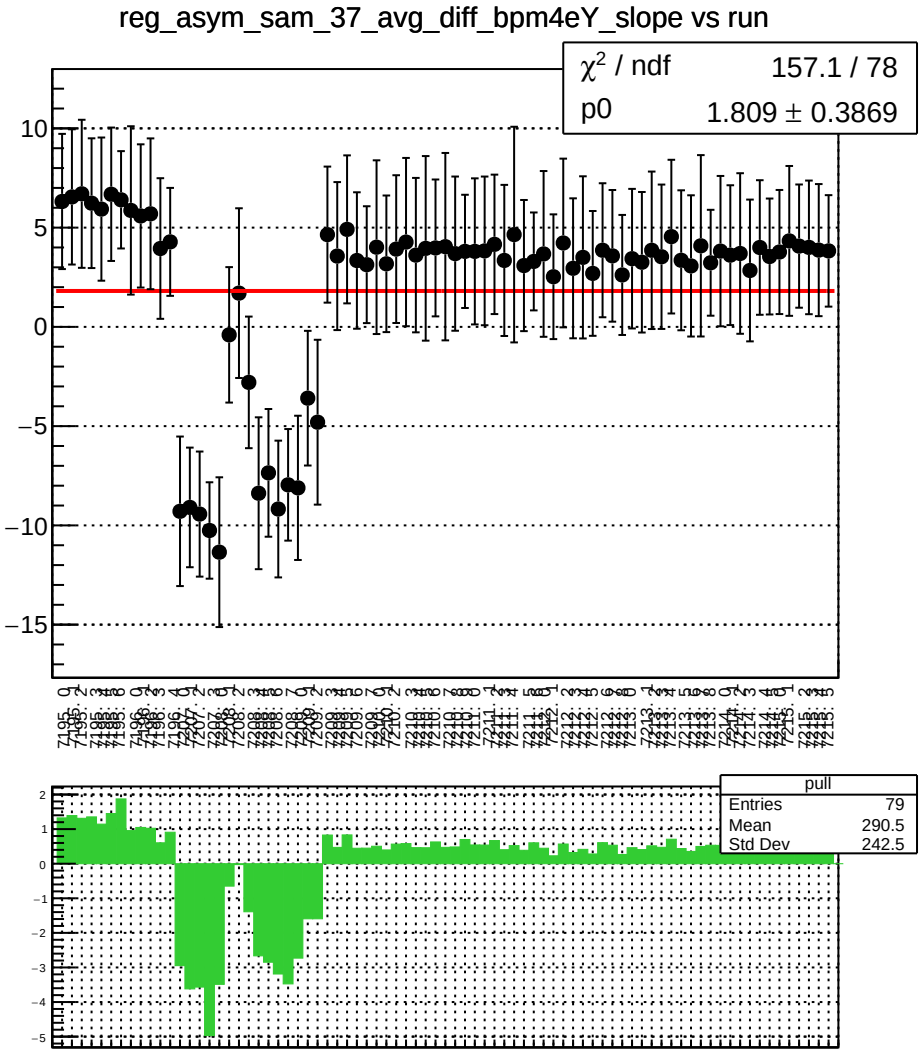

pull1D
Entries 79
Mean 0.05898
Std Dev 1.176

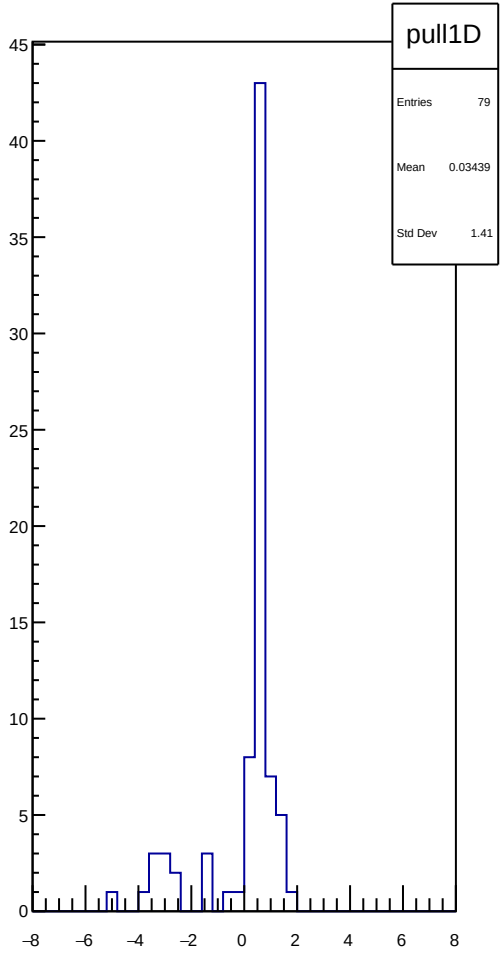

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 535.9 / 78
p0 −10.88 ± 0.4585
pull
Entries 79
Mean 105.7
Std Dev 57.9

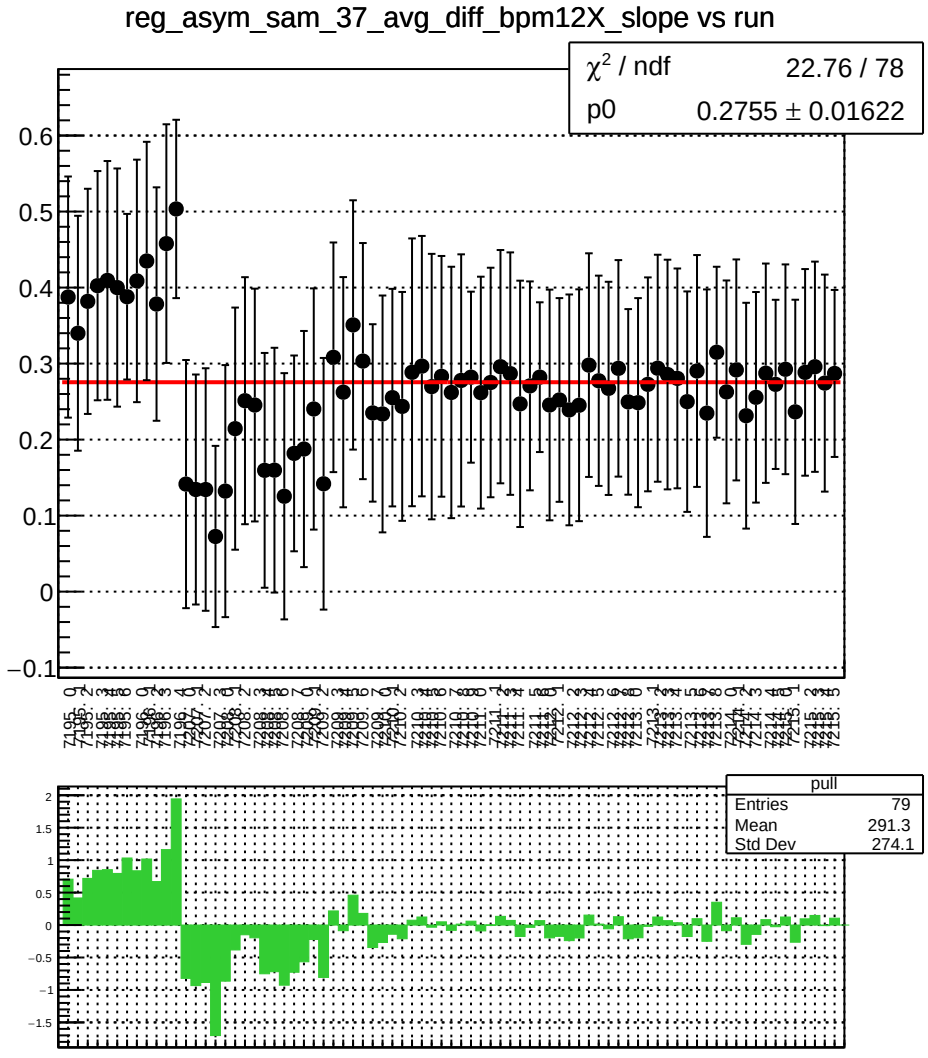

pull1D
Entries 79
Mean 0.4165
Std Dev 2.317

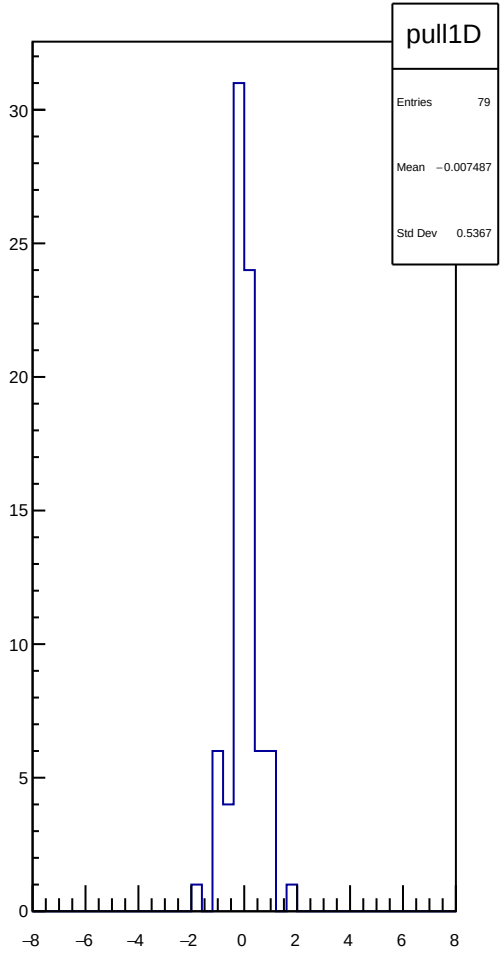

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 135.9 / 78
p0 4.404 ± 0.3478
pull
Entries 79
Mean 489.5
Std Dev 444.5
pull1D
Entries 79
Mean −0.02097
Std Dev 1.311

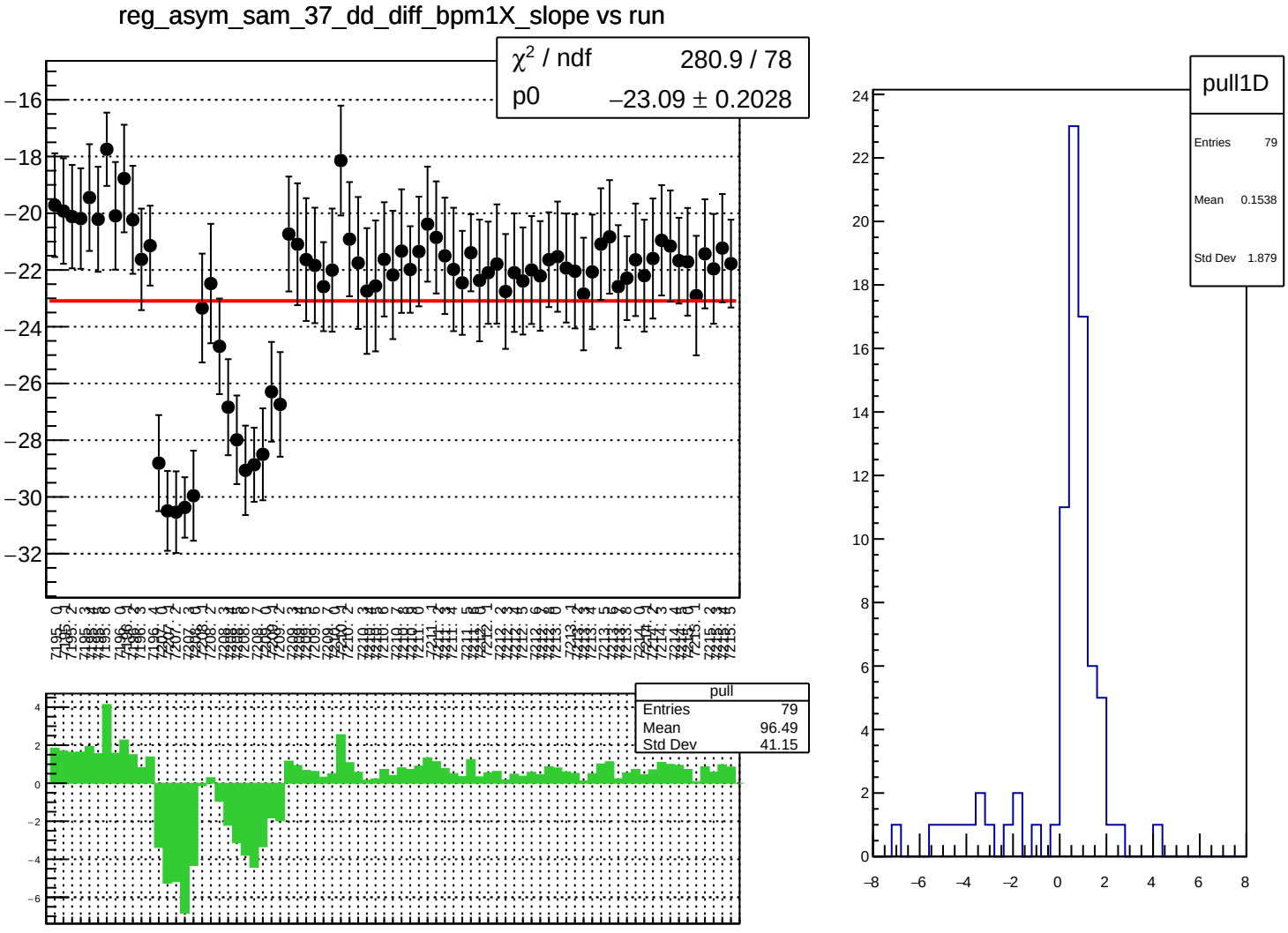

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 404 / 78
p0 −41.52 ± 0.4615
pull
Entries 79
Mean 98.67
Std Dev 50.7
pull1D
Entries 79
Mean −0.3709
Std Dev 2.024

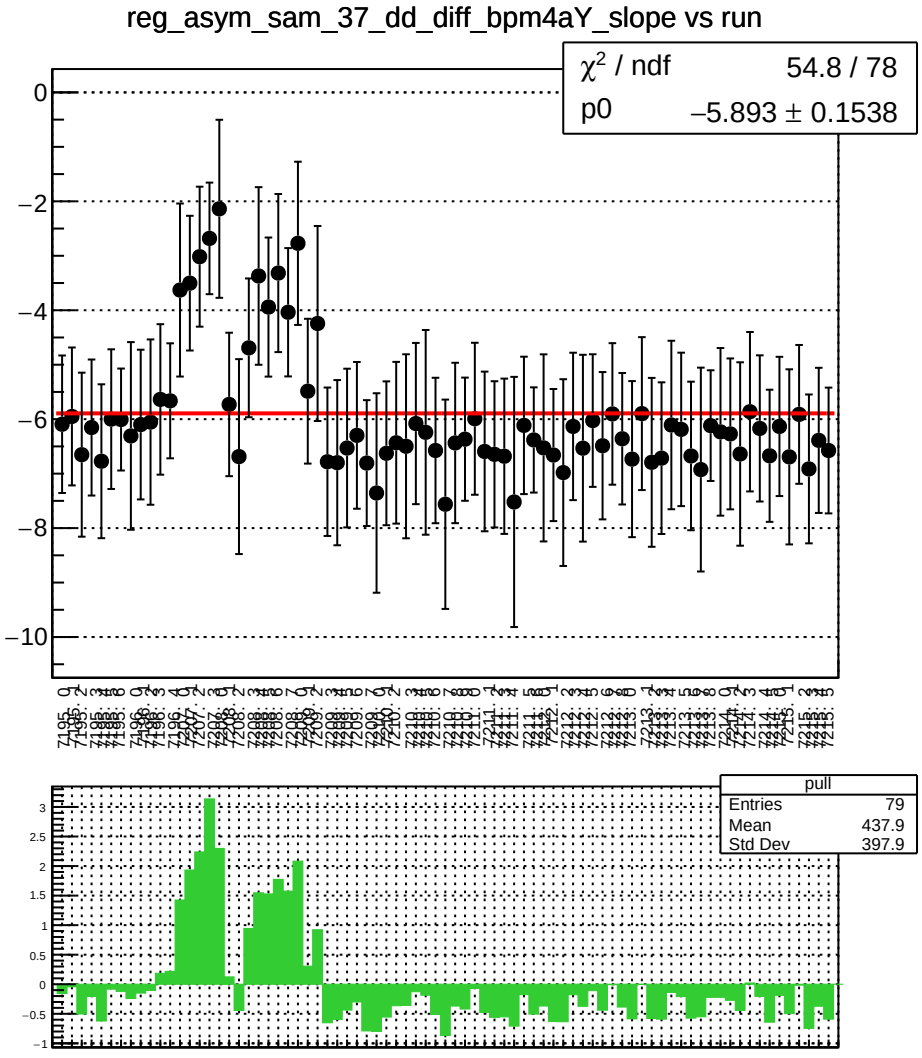

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 157.1 / 78
p0 1.809 ± 0.3869
pull
Entries 79
Mean 290.5
Std Dev 242.5

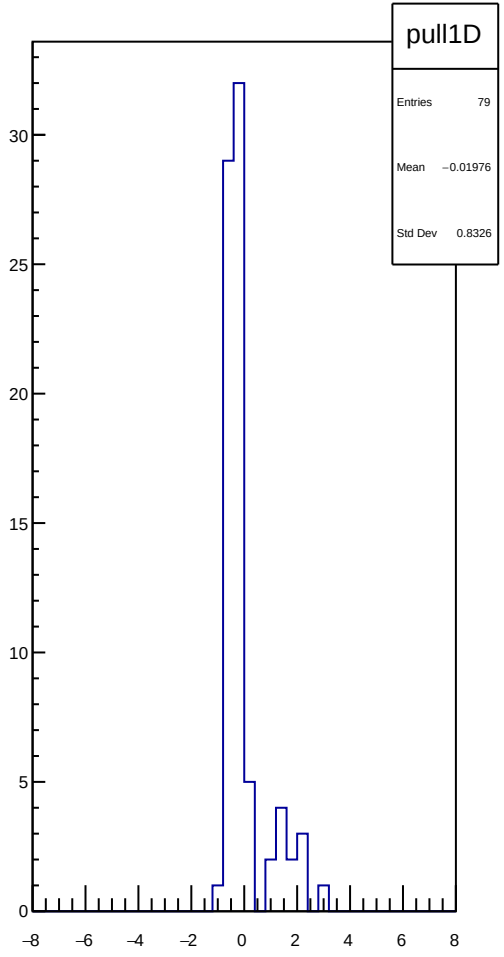

pull1D
Entries 79
Mean 0.03439
Std Dev 1.41

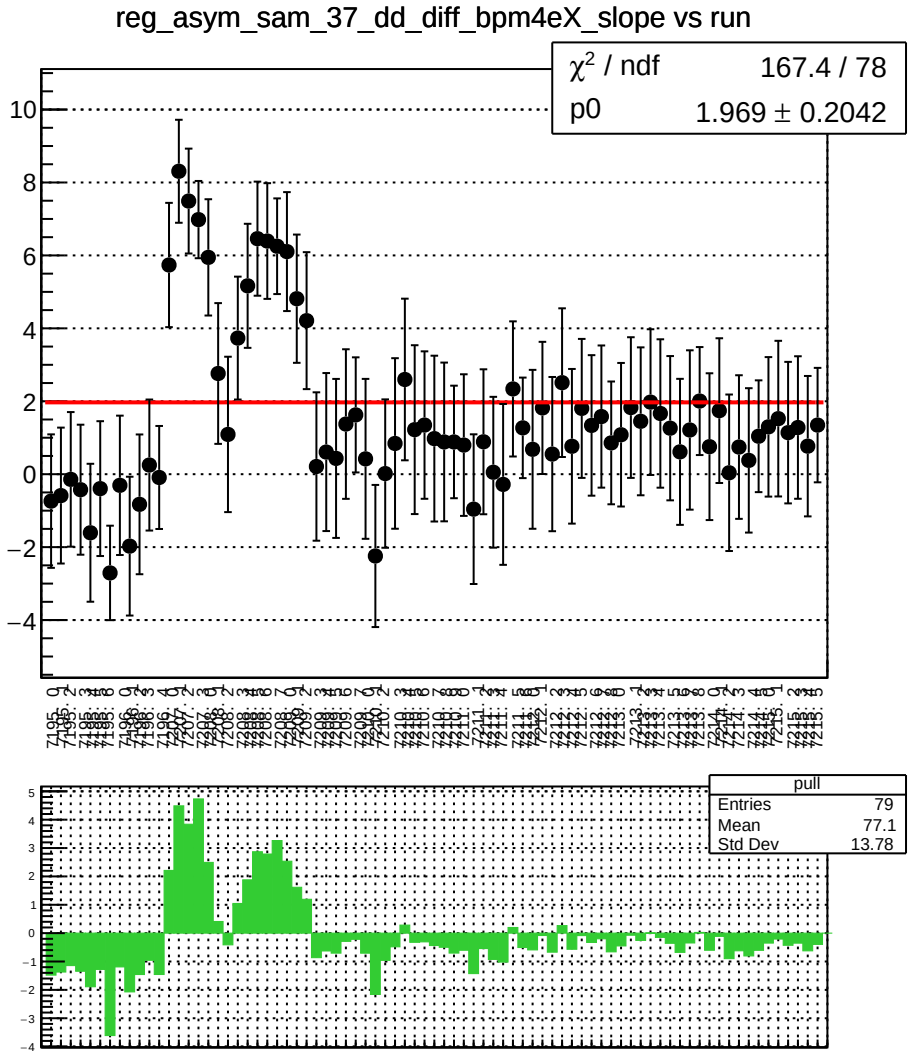

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 22.76 / 78
p0 0.2755 ± 0.01622
pull
Entries 79
Mean 291.3
Std Dev 274.1

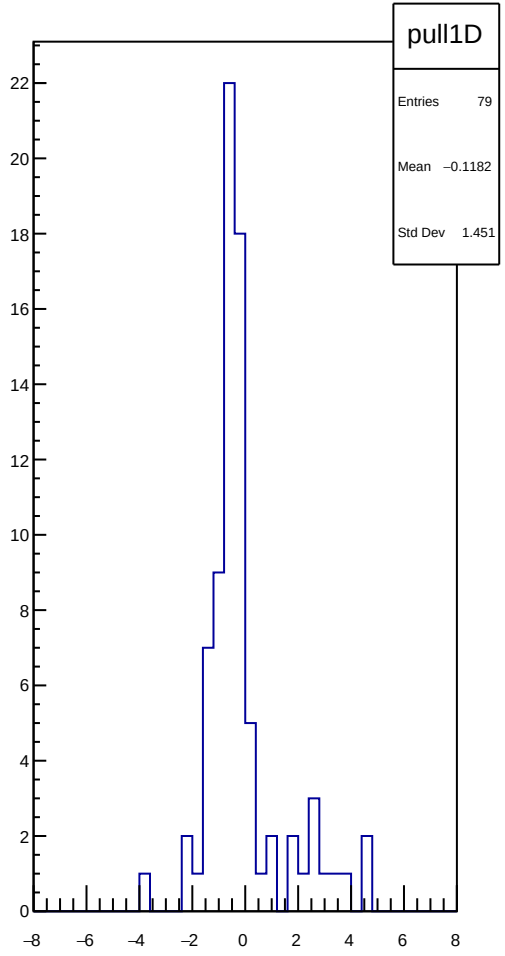

pull1D
Entries 79
Mean −0.007487
Std Dev 0.5367

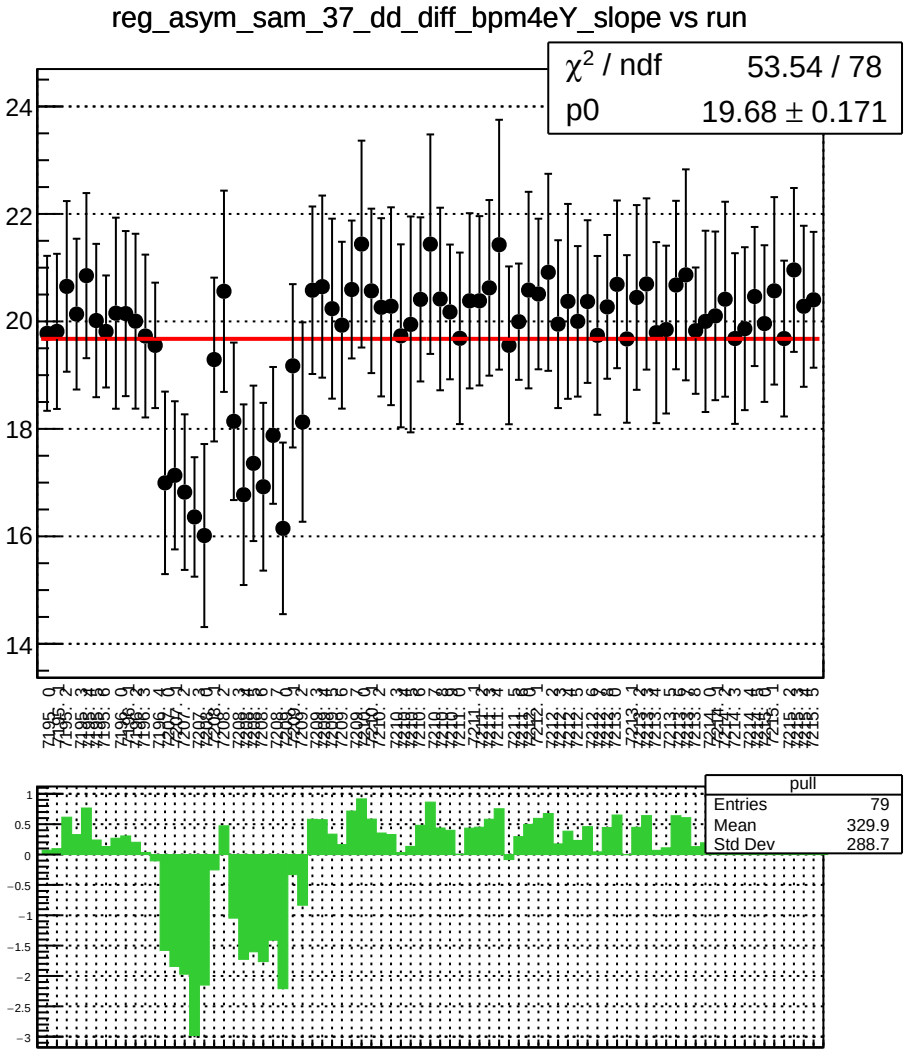

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 280.9 / 78
p0 −23.09 ± 0.2028
pull
Entries 79
Mean 96.49
Std Dev 41.15
pull1D
Entries 79
Mean 0.1538
Std Dev 1.879

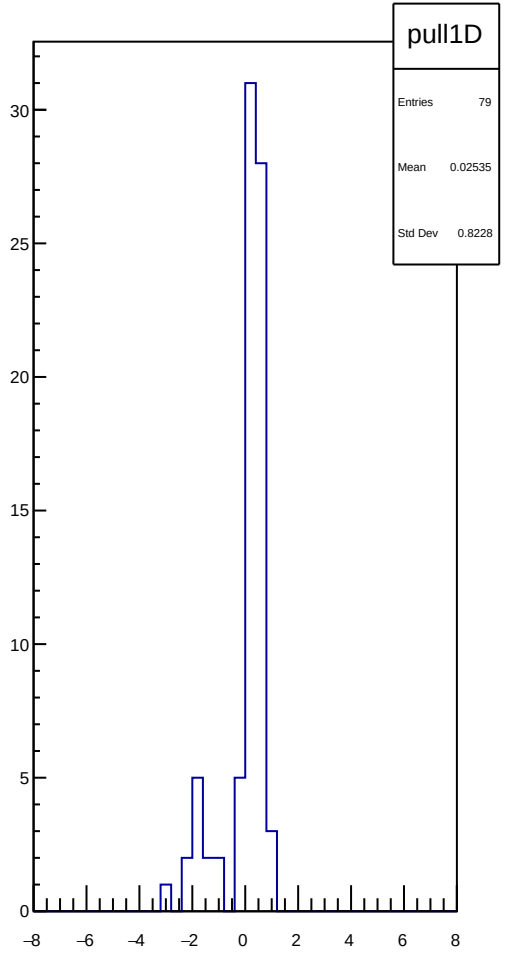

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.8 / 78
p0 −5.893 ± 0.1538
pull
Entries 79
Mean 437.9
Std Dev 397.9

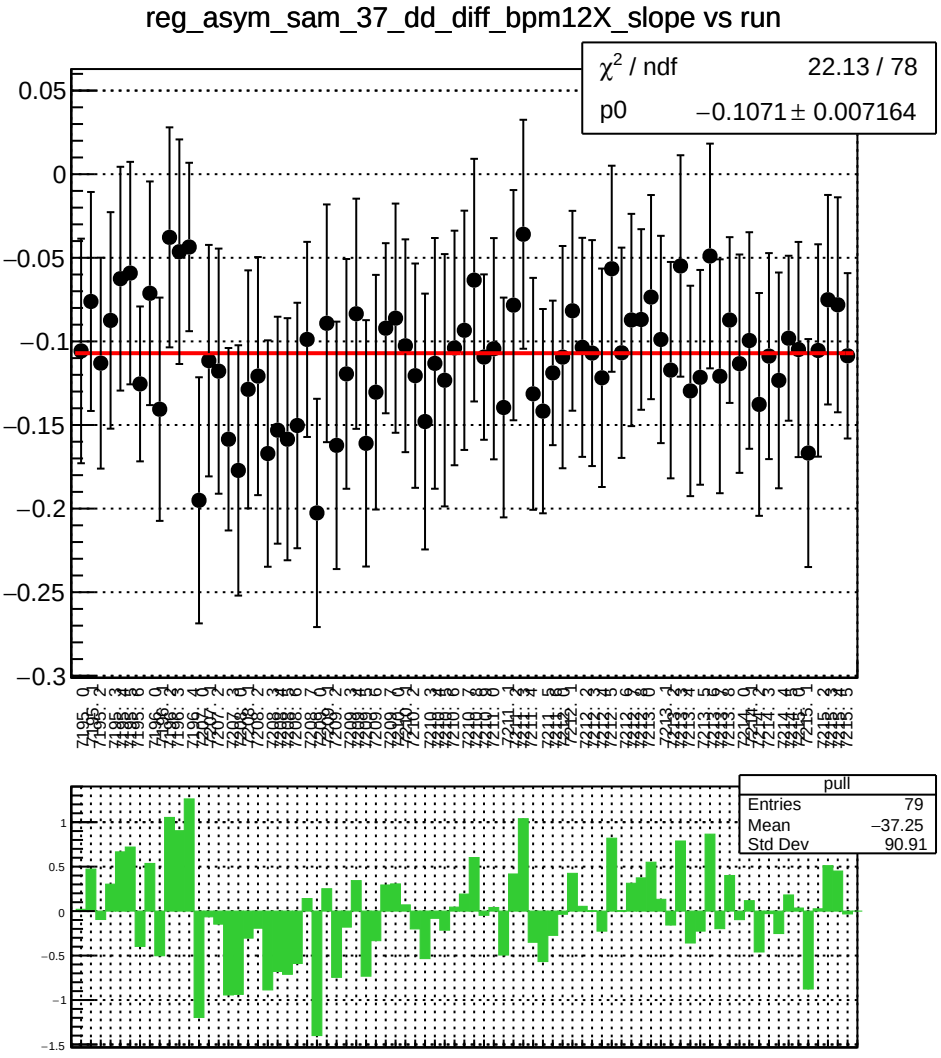

pull1D
Entries 79
Mean −0.01976
Std Dev 0.8326

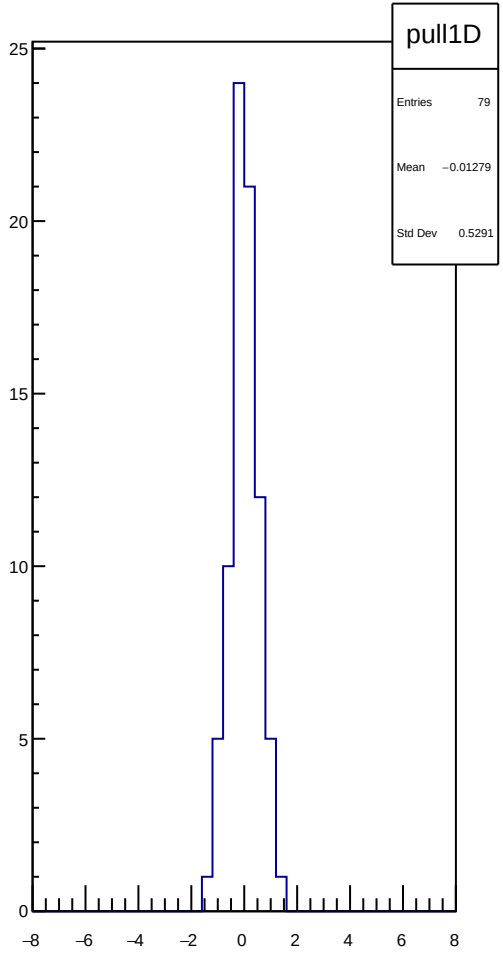

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 167.4 / 78
p0 1.969 ± 0.2042
pull
Entries 79
Mean 77.1
Std Dev 13.78

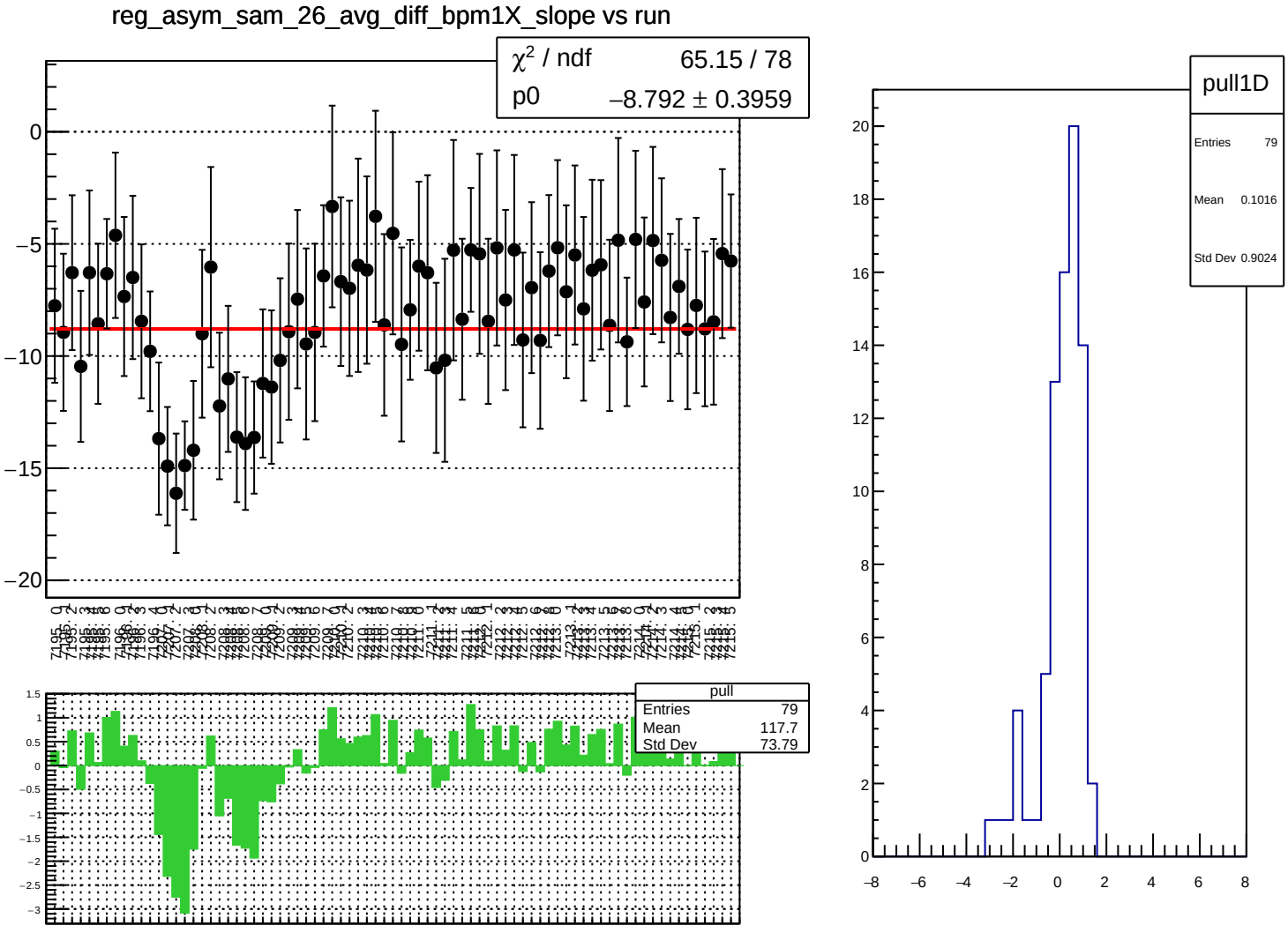

pull1D
Entries 79
Mean −0.1182
Std Dev 1.451

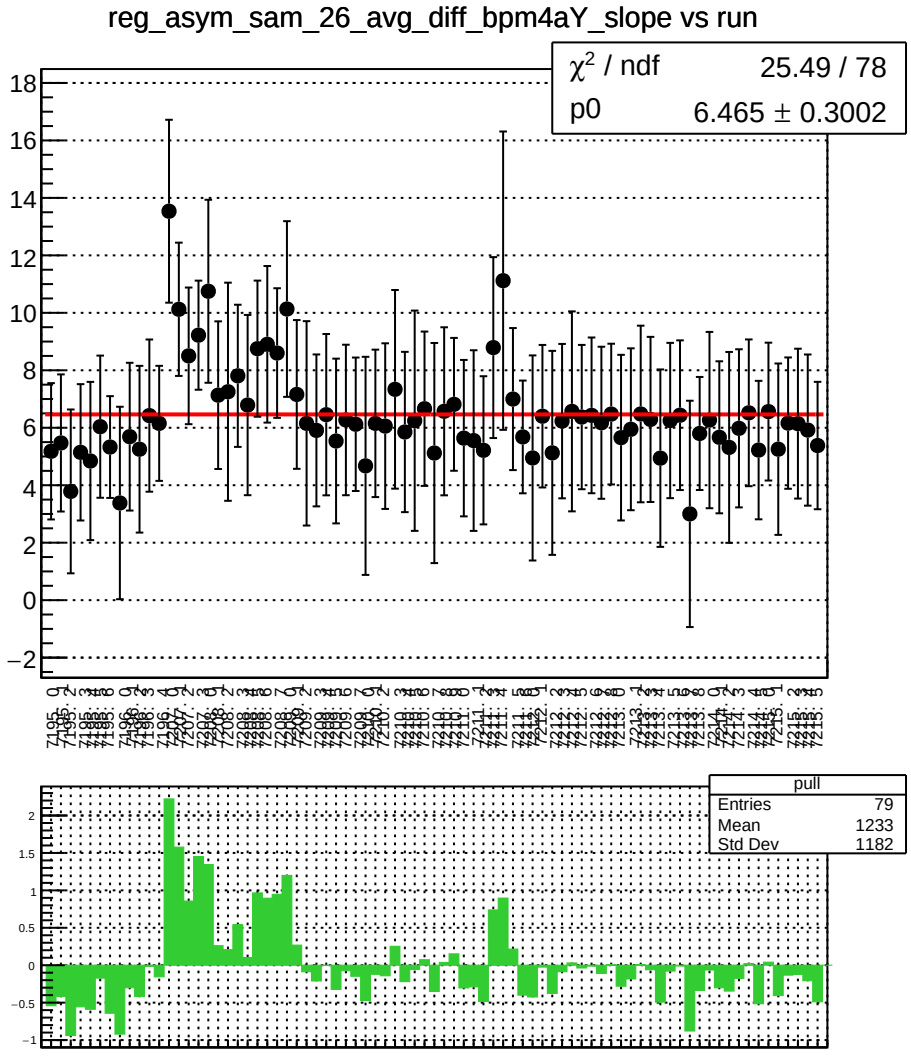

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.54 / 78
p0 19.68 ± 0.171
pull
Entries 79
Mean 329.9
Std Dev 288.7

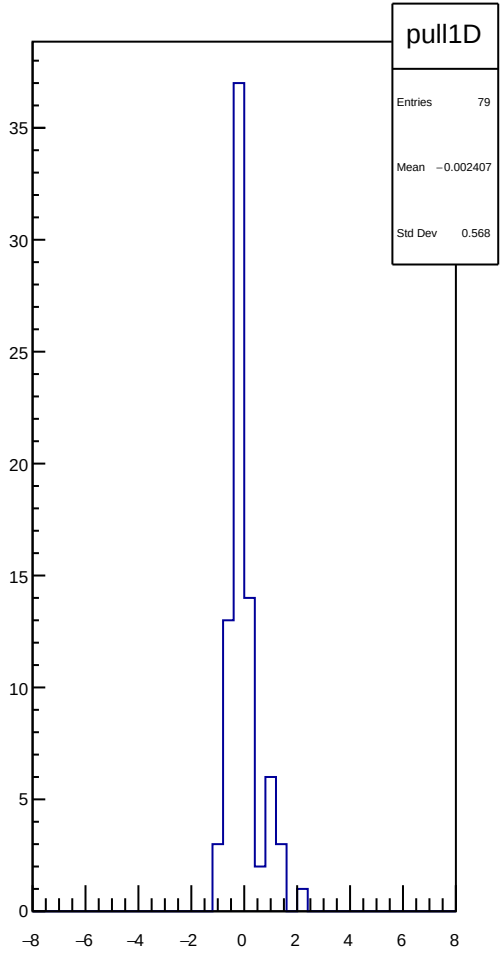

pull1D
Entries 79
Mean 0.02535
Std Dev 0.8228

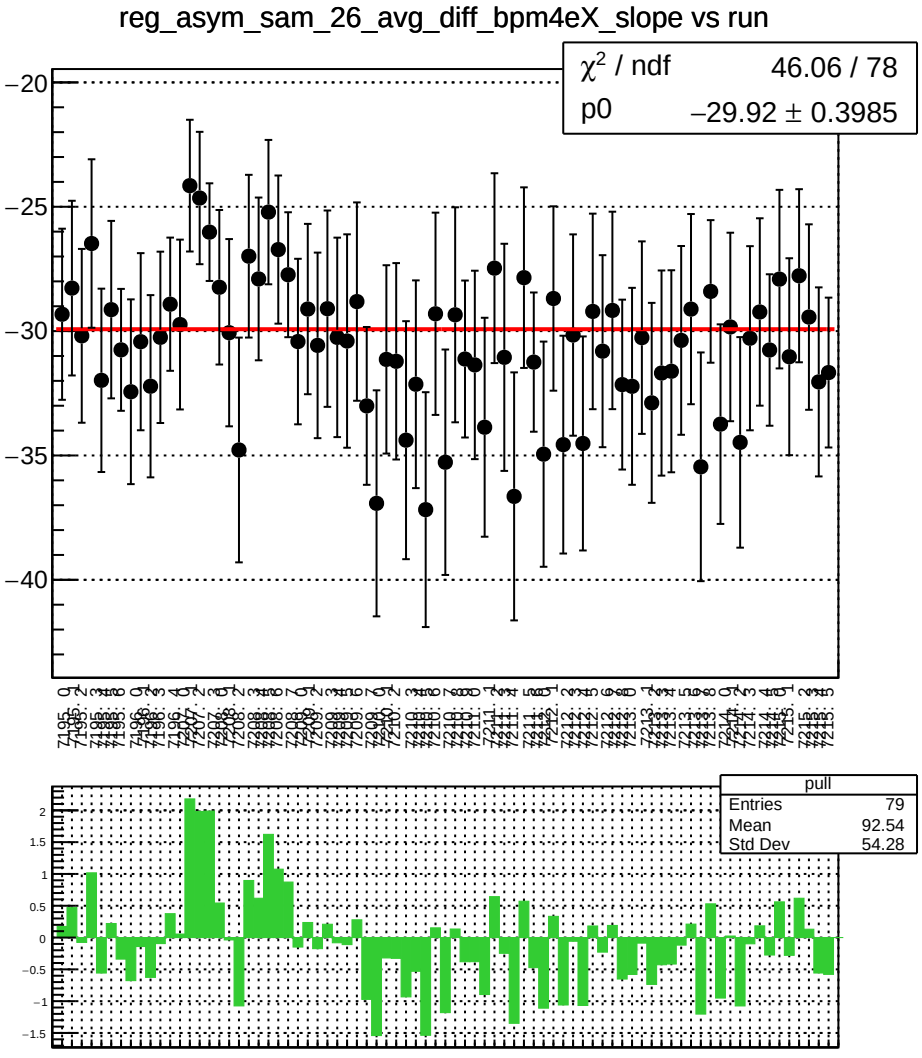

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 22.13 / 78
p0 −0.1071 ± 0.007164
pull
Entries 79
Mean −37.25
Std Dev 90.91

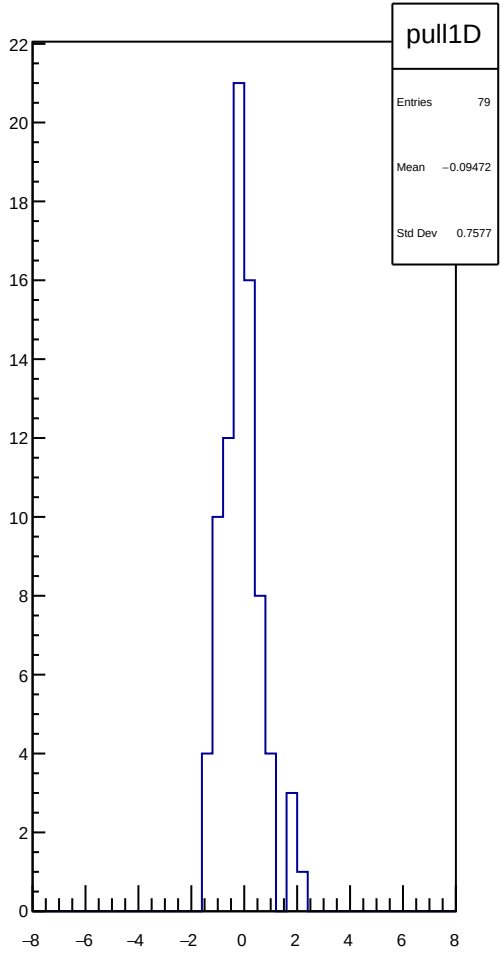

pull1D
Entries 79
Mean −0.01279
Std Dev 0.5291


reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 65.15 / 78
p0 −8.792 ± 0.3959
pull
Entries 79
Mean 117.7
Std Dev 73.79
pull1D
Entries 79
Mean 0.1016
Std Dev 0.9024

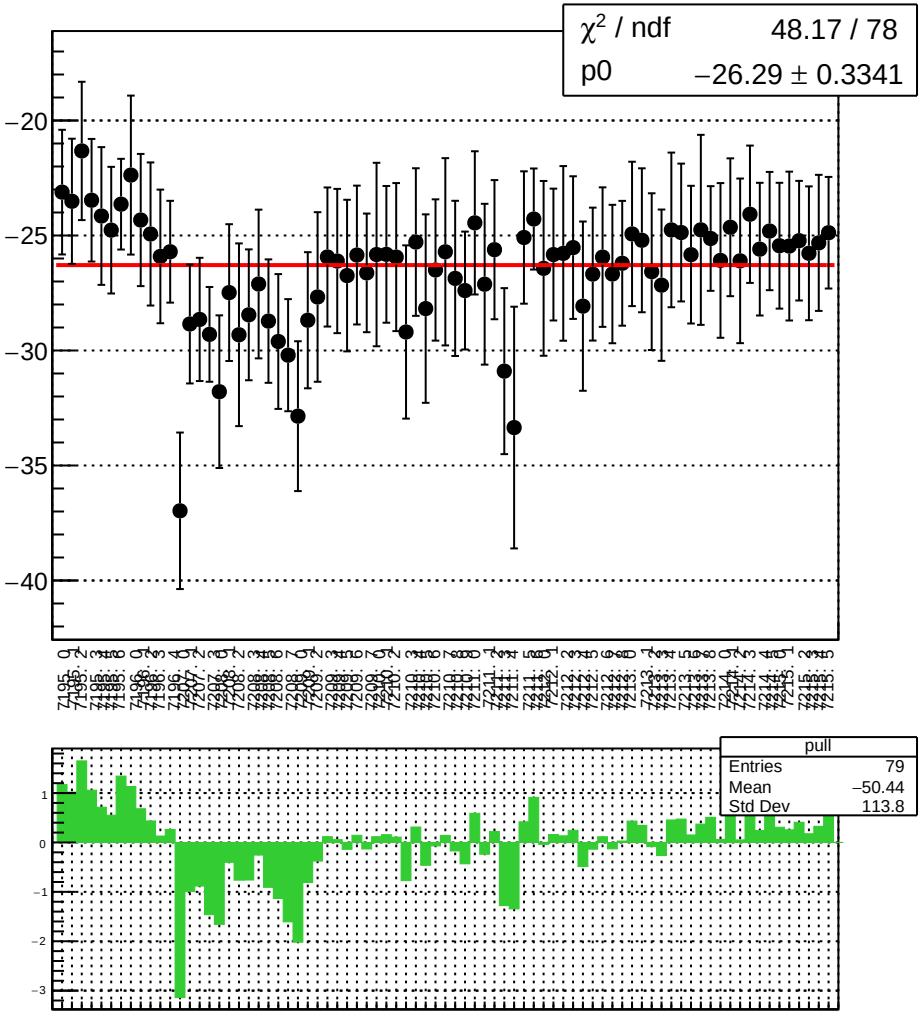

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.49 / 78
p0 6.465 ± 0.3002
pull
Entries 79
Mean 1233
Std Dev 1182

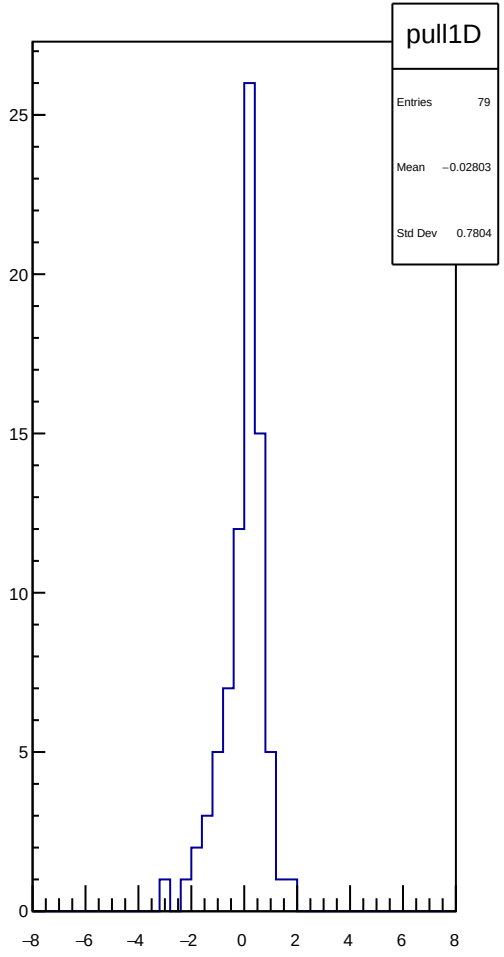

pull1D
Entries 79
Mean −0.002407
Std Dev 0.568

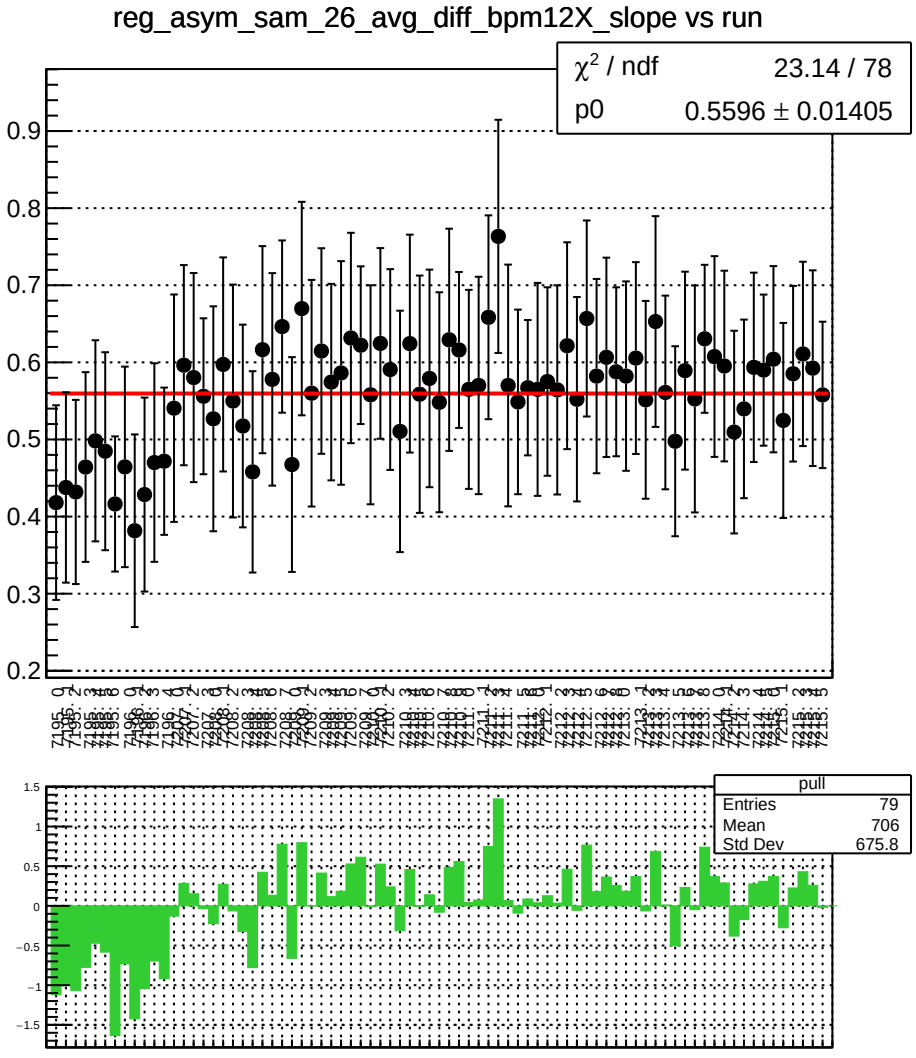

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.06 / 78
p0 −29.92 ± 0.3985
pull
Entries 79
Mean 92.54
Std Dev 54.28

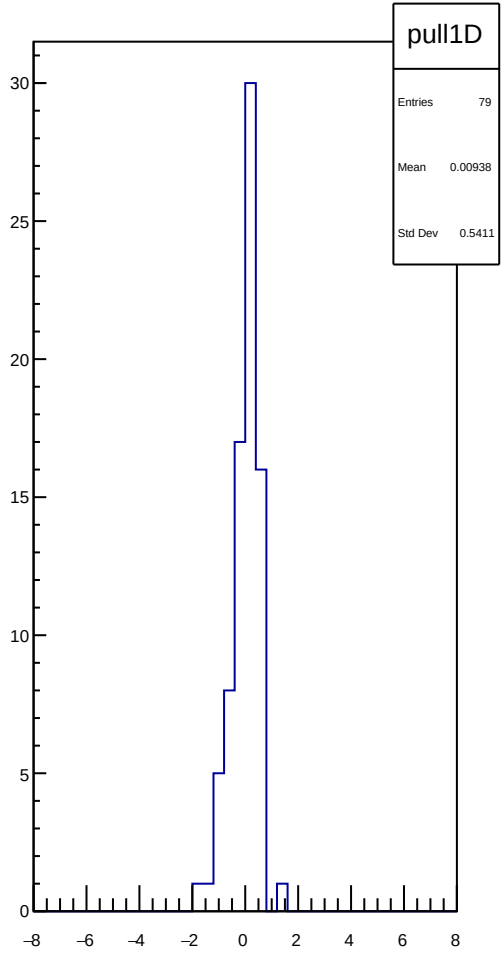

pull1D
Entries 79
Mean −0.09472
Std Dev 0.7577

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run

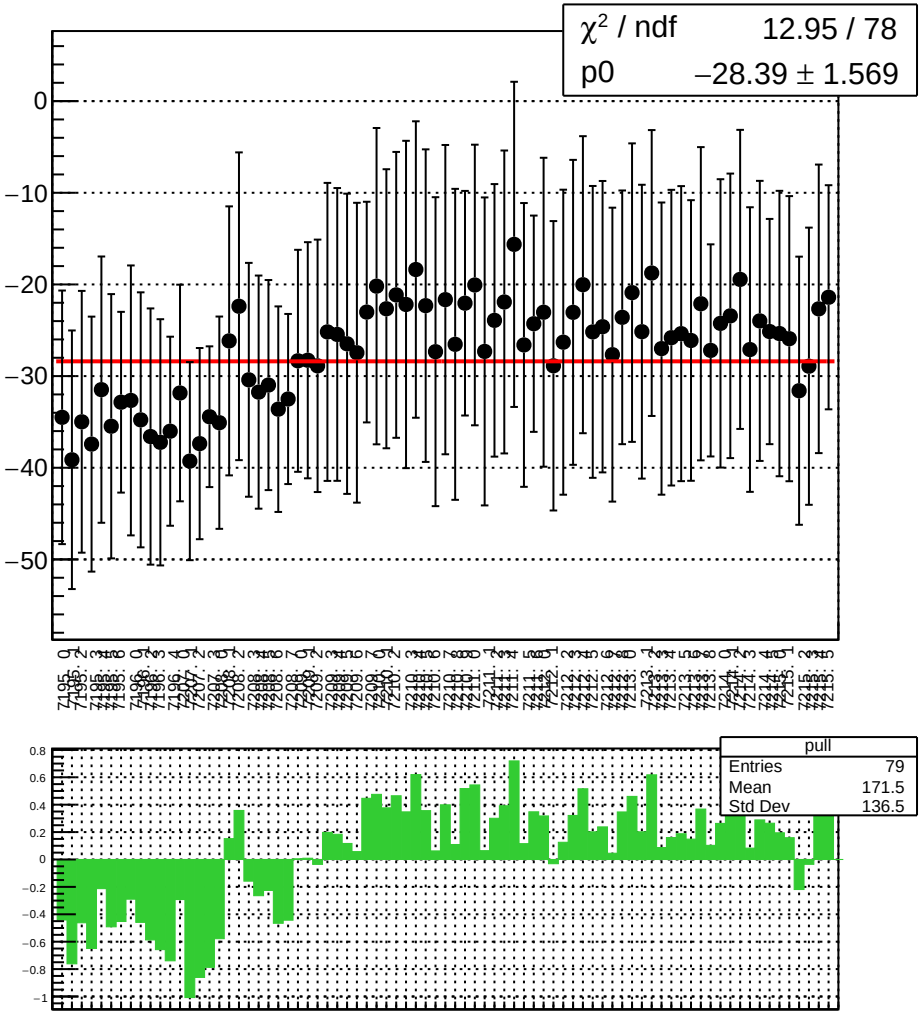


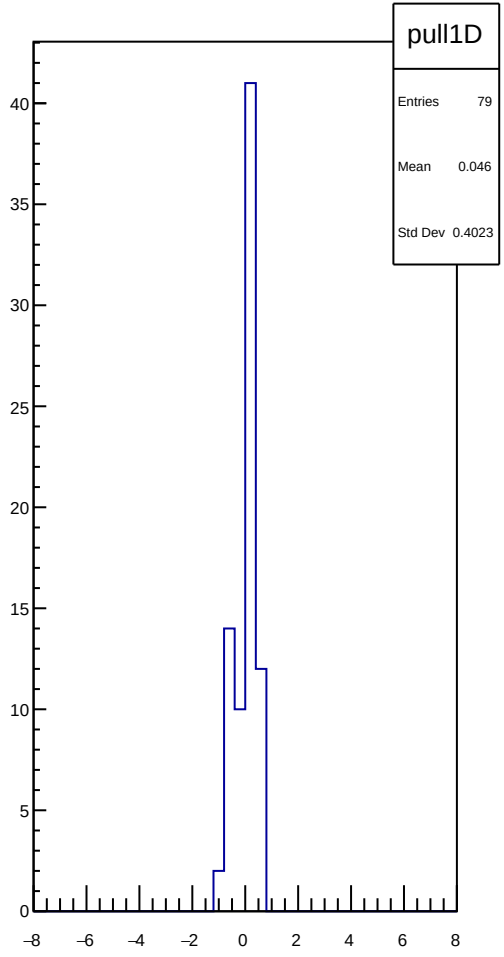


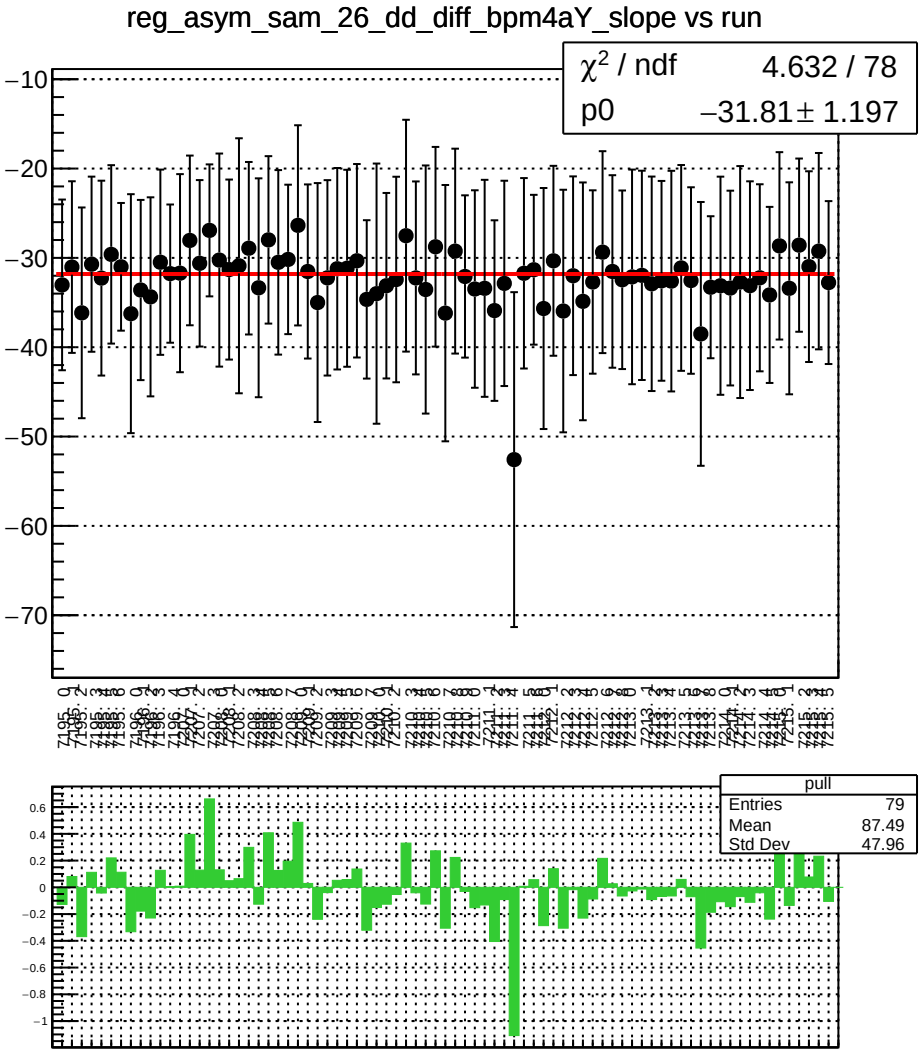

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 23.14 / 78
p0 0.5596 ± 0.01405
pull
Entries 79
Mean 706
Std Dev 675.8

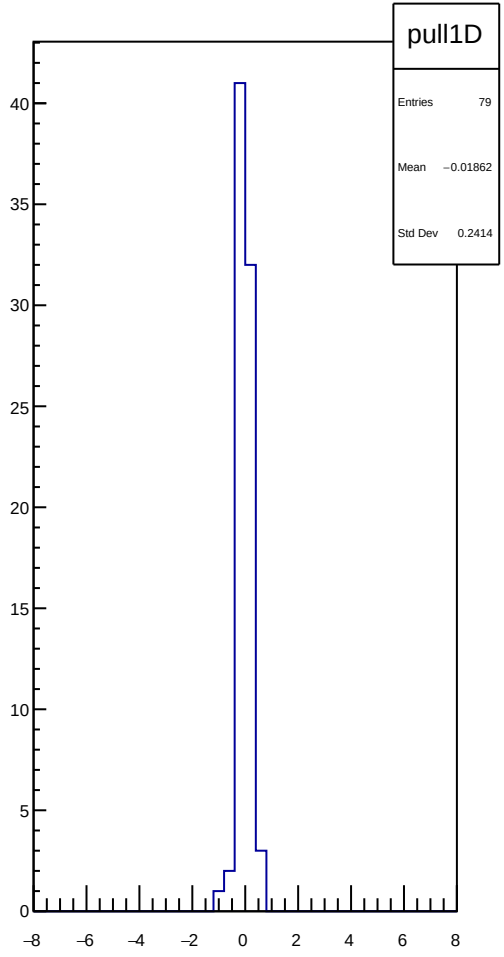

pull1D
Entries 79
Mean 0.00938
Std Dev 0.5411

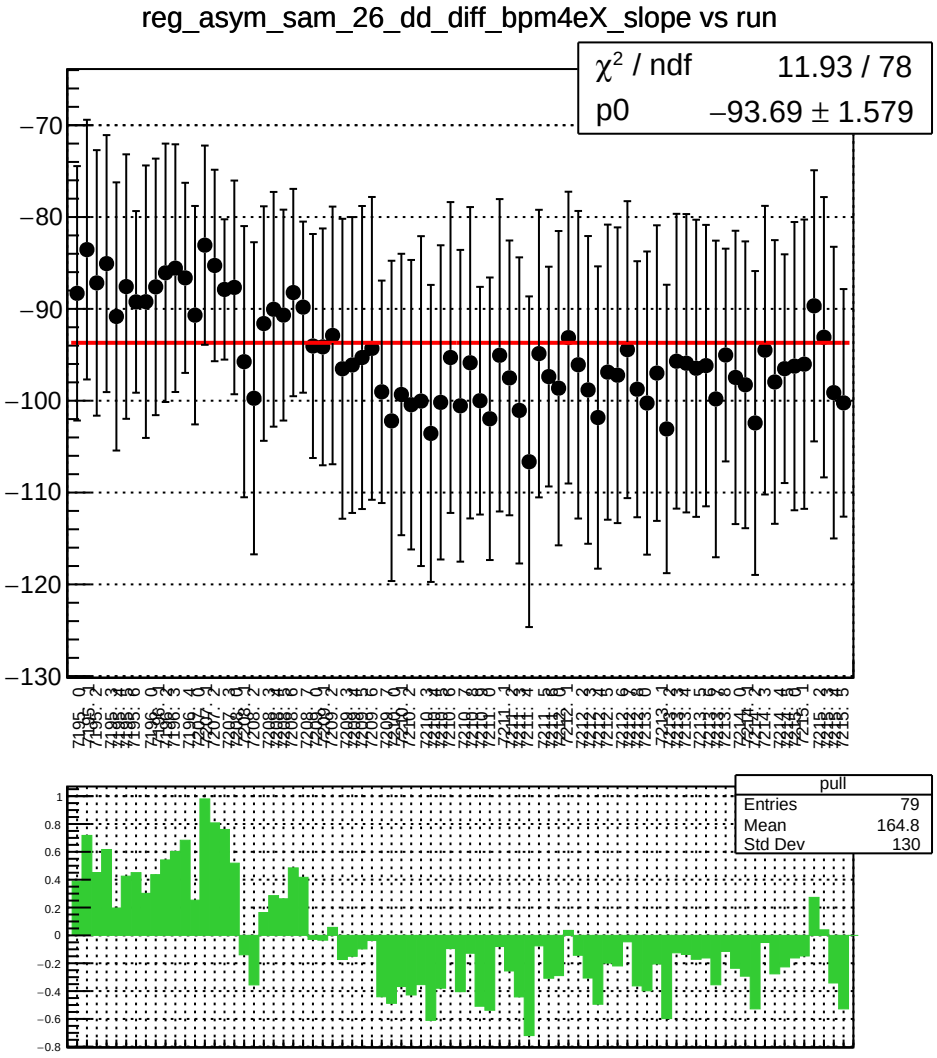
reg_asym_sam_26_dd_diff_bpm1X_slope vs run

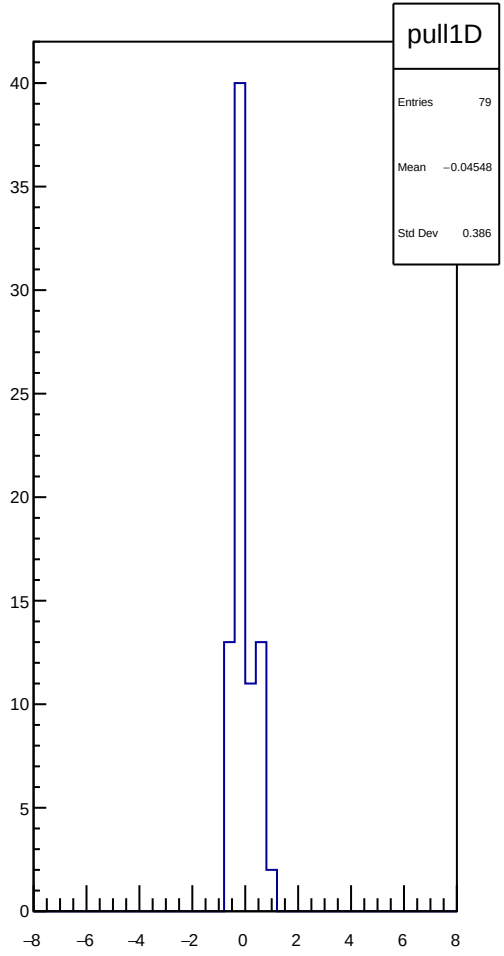


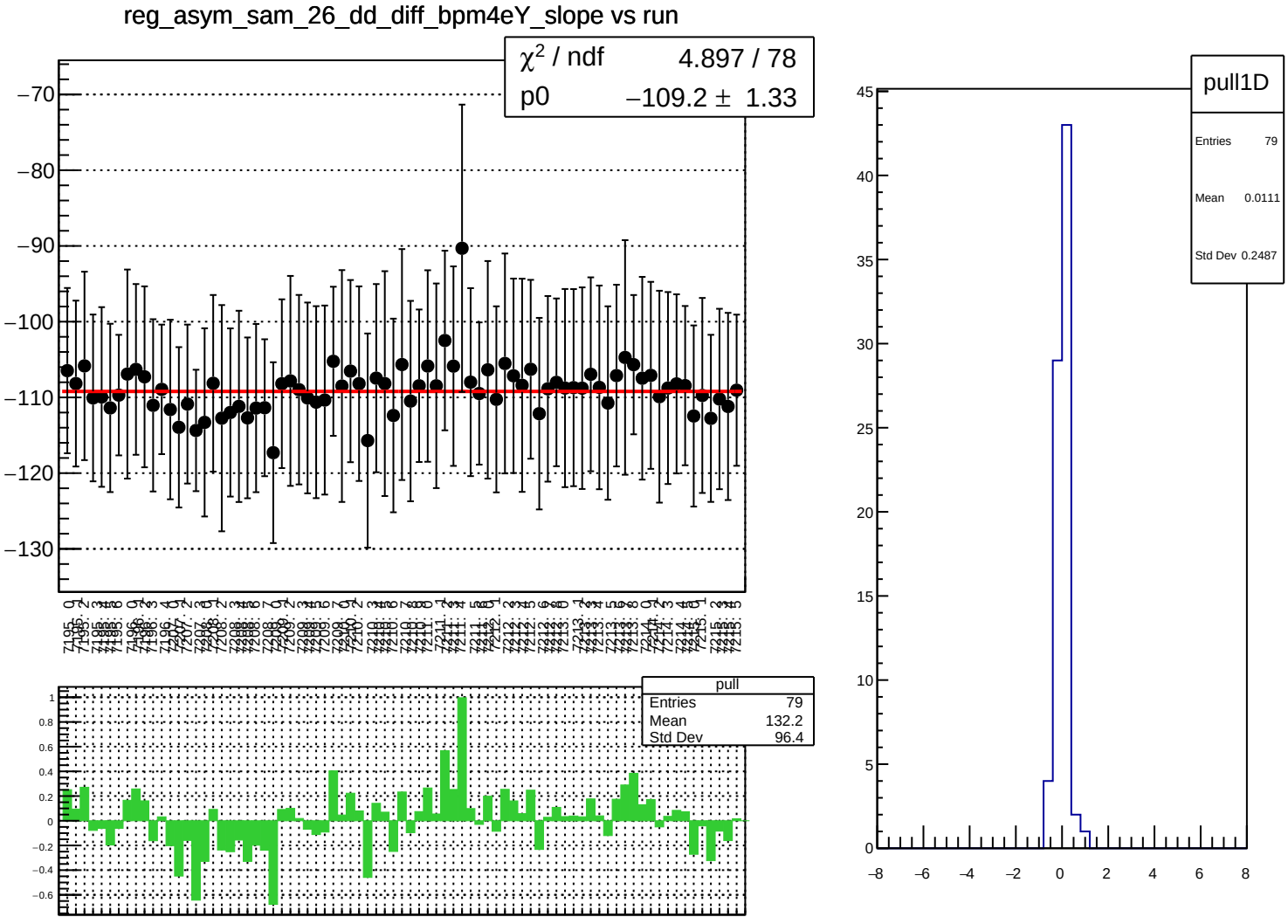


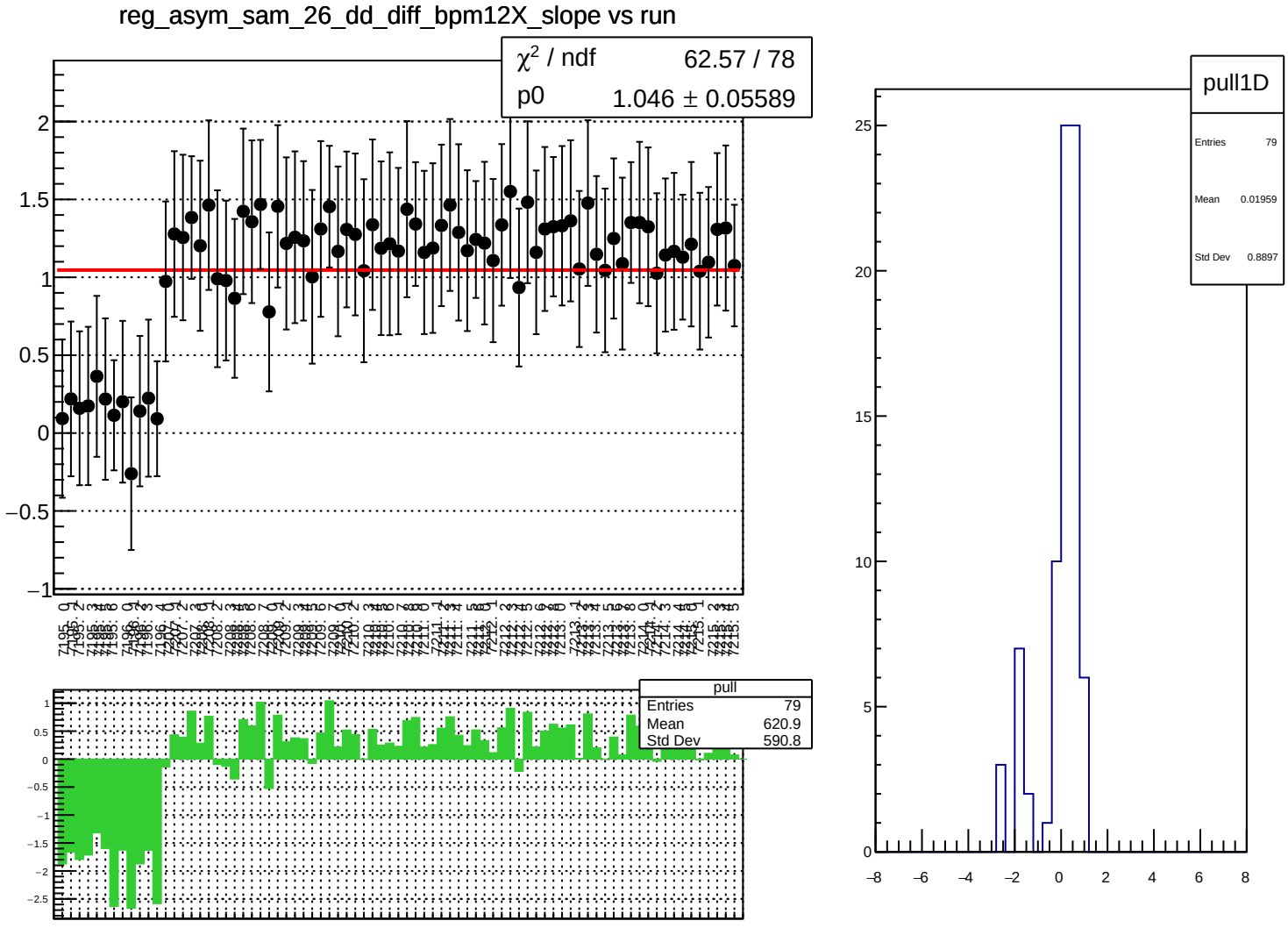

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.632 / 78
p0 −31.81 ± 1.197
pull
Entries 79
Mean 87.49
Std Dev 47.96

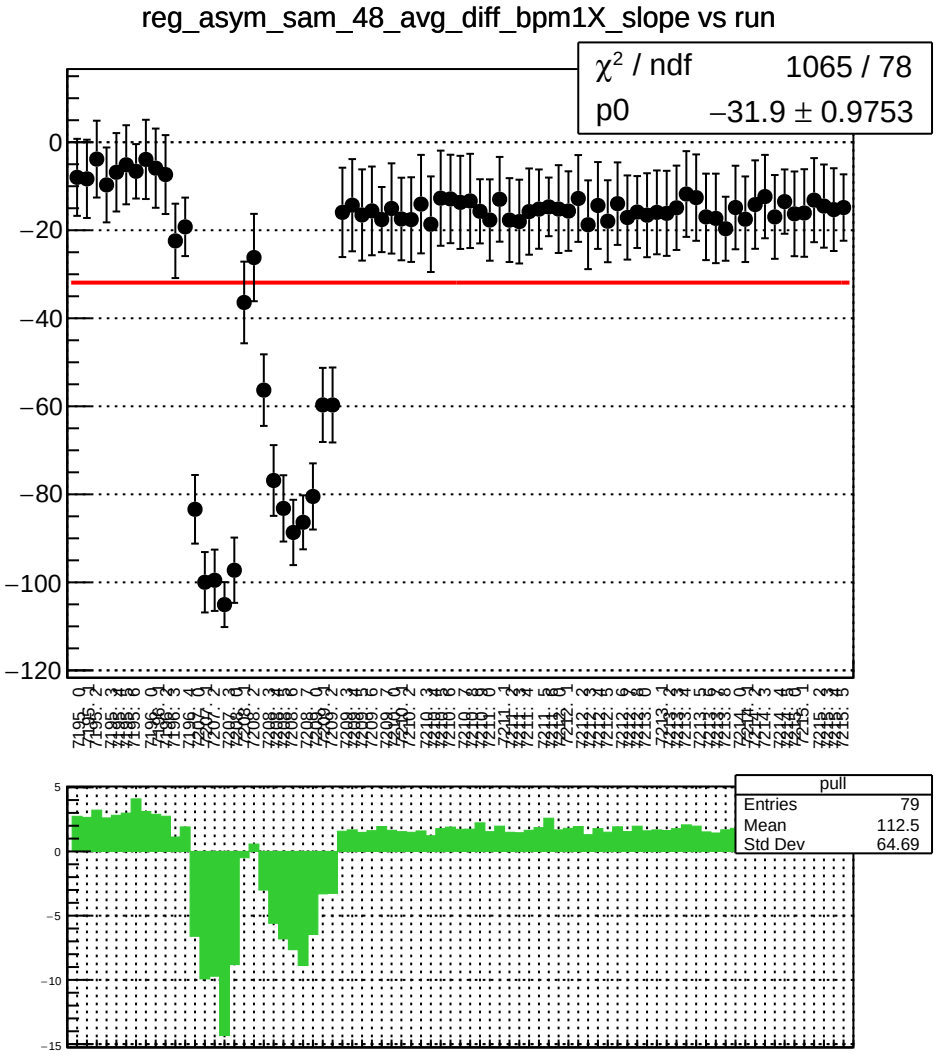

pull1D
Entries 79
Mean −0.01862
Std Dev 0.2414

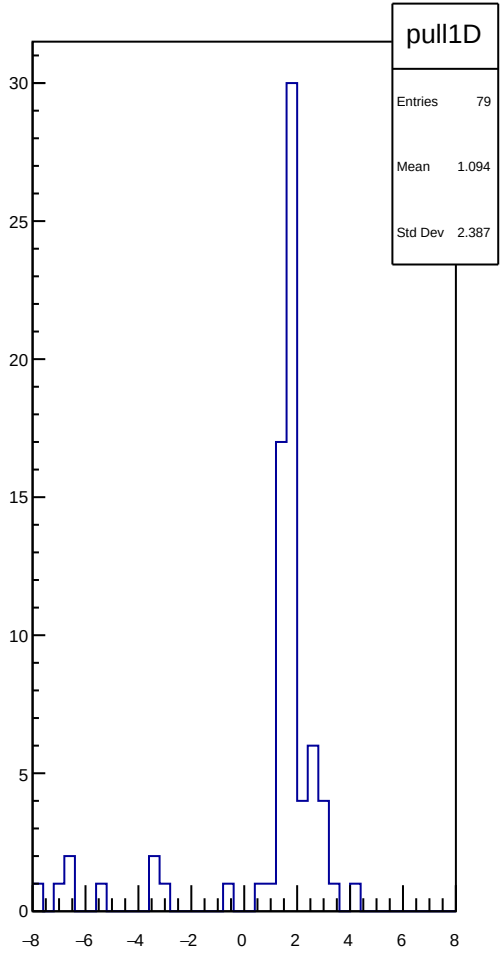

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.93 / 78
p0 −93.69 ± 1.579
pull
Entries 79
Mean 164.8
Std Dev 130


pull1D
Entries 79
Mean −0.04548
Std Dev 0.386

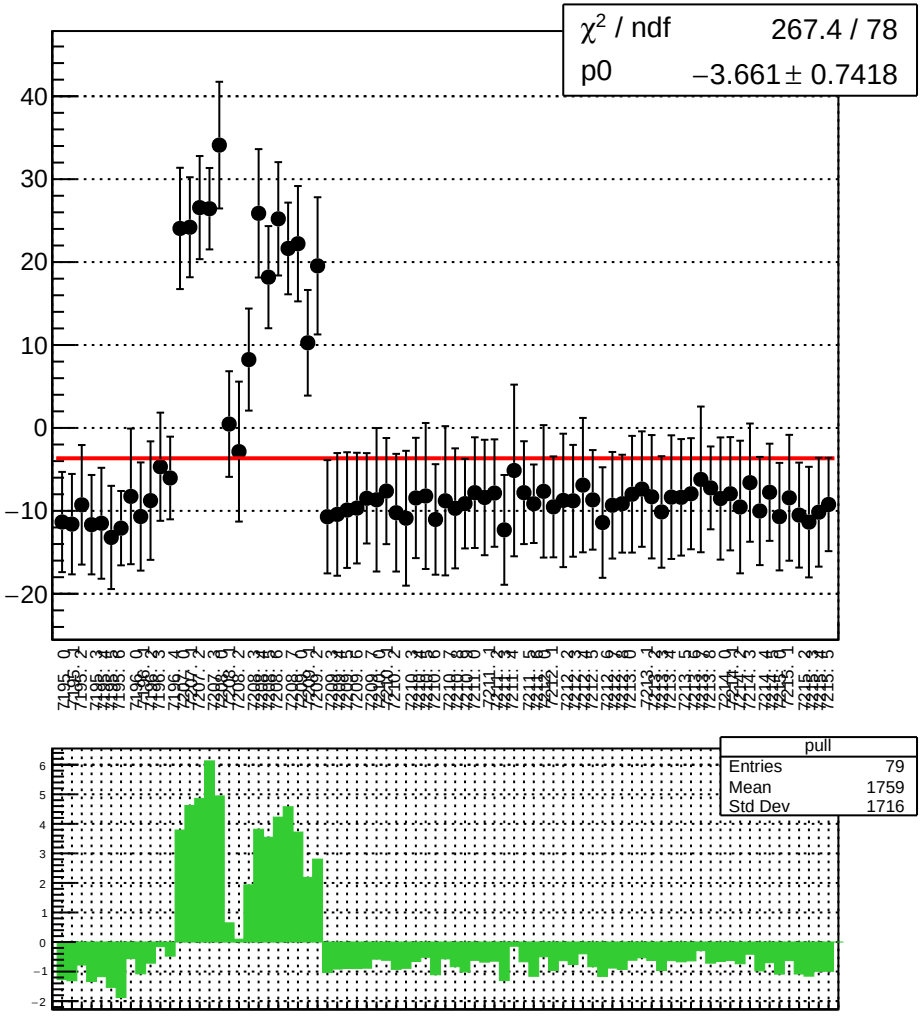

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.897 / 78
p0 −109.2 ± 1.33
pull
Entries 79
Mean 132.2
Std Dev 96.4
pull1D
Entries 79
Mean 0.0111
Std Dev 0.2487

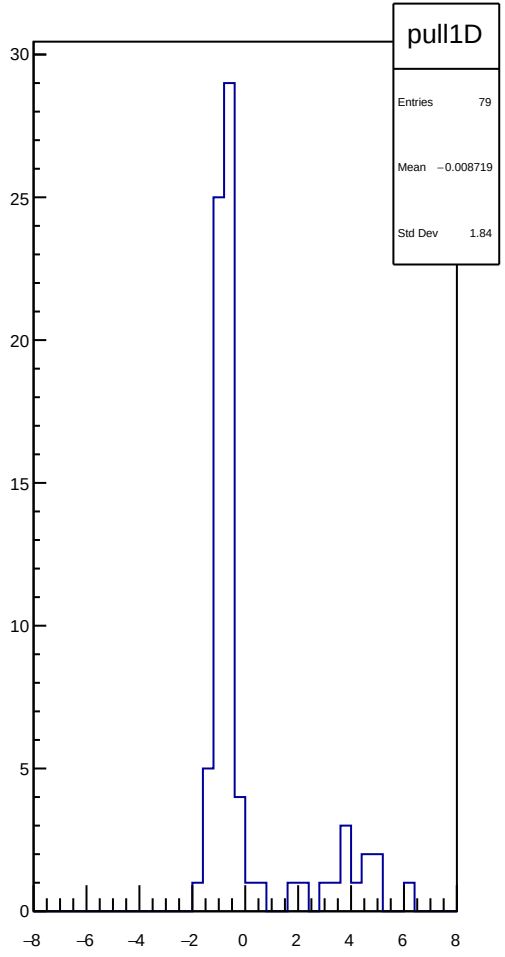

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 62.57 / 78
p0 1.046 ± 0.05589
pull
Entries 79
Mean 620.9
Std Dev 590.8
pull1D
Entries 79
Mean 0.01959
Std Dev 0.8897

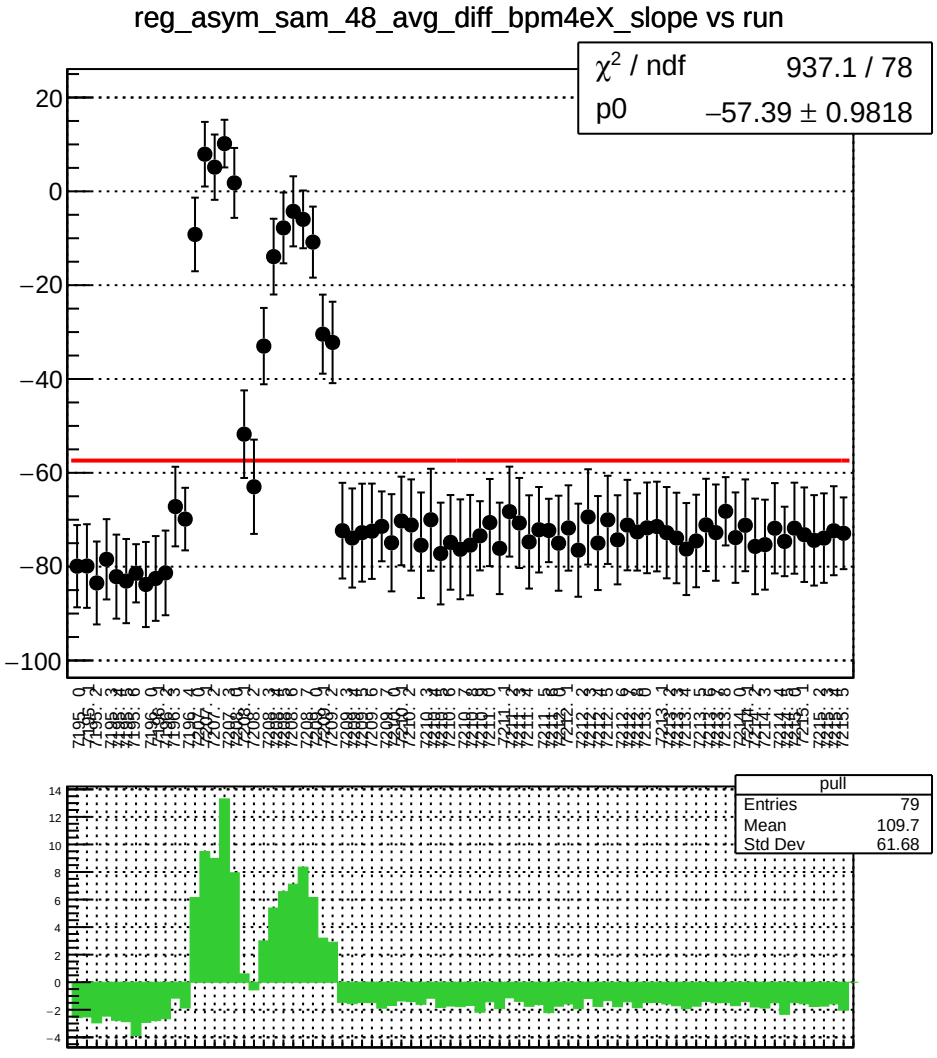

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1065 / 78
p0 −31.9 ± 0.9753
pull
Entries 79
Mean 112.5
Std Dev 64.69

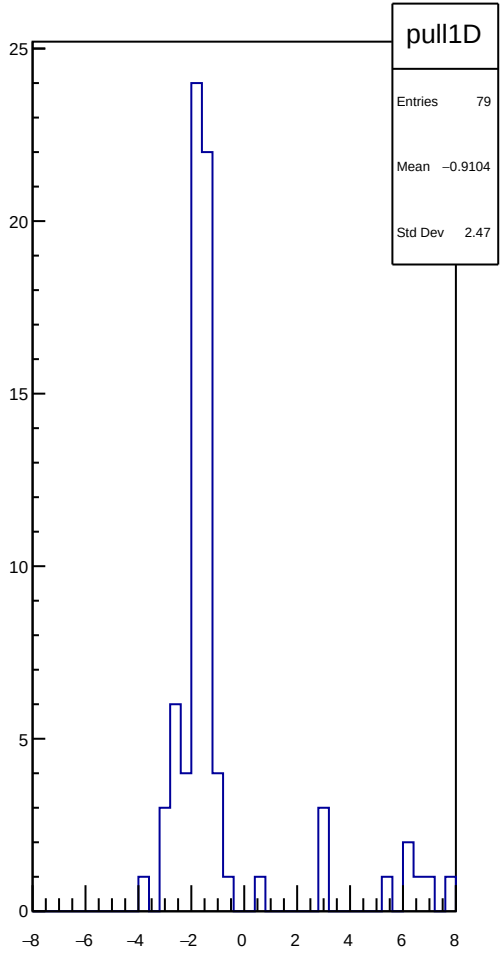

pull1D
Entries 79
Mean 1.094
Std Dev 2.387

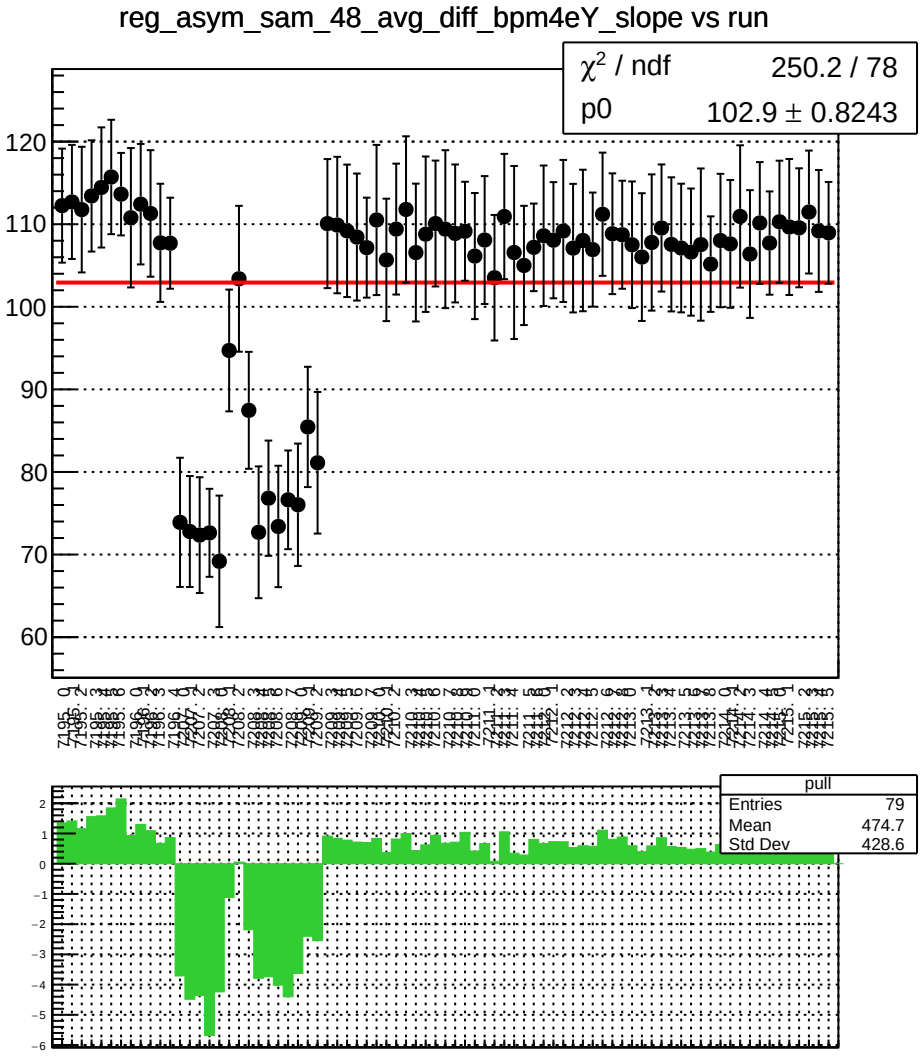
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run

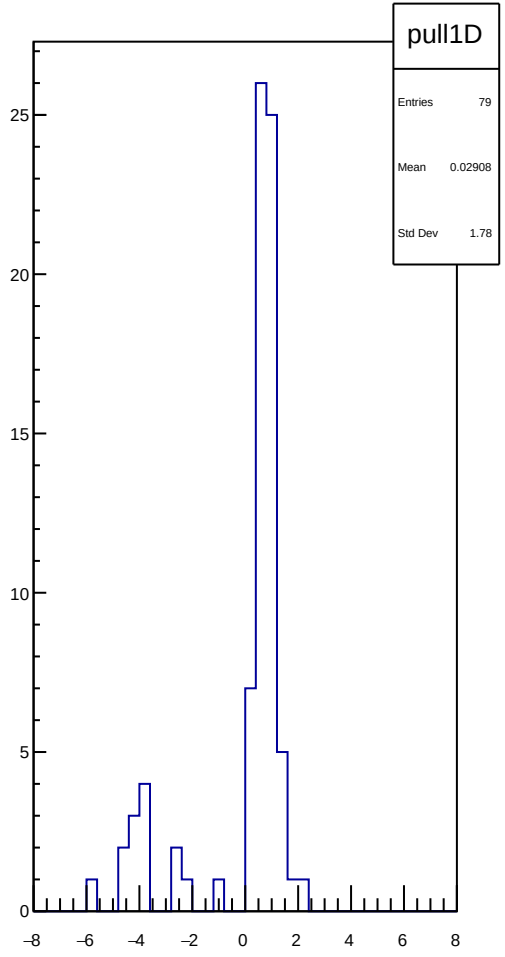


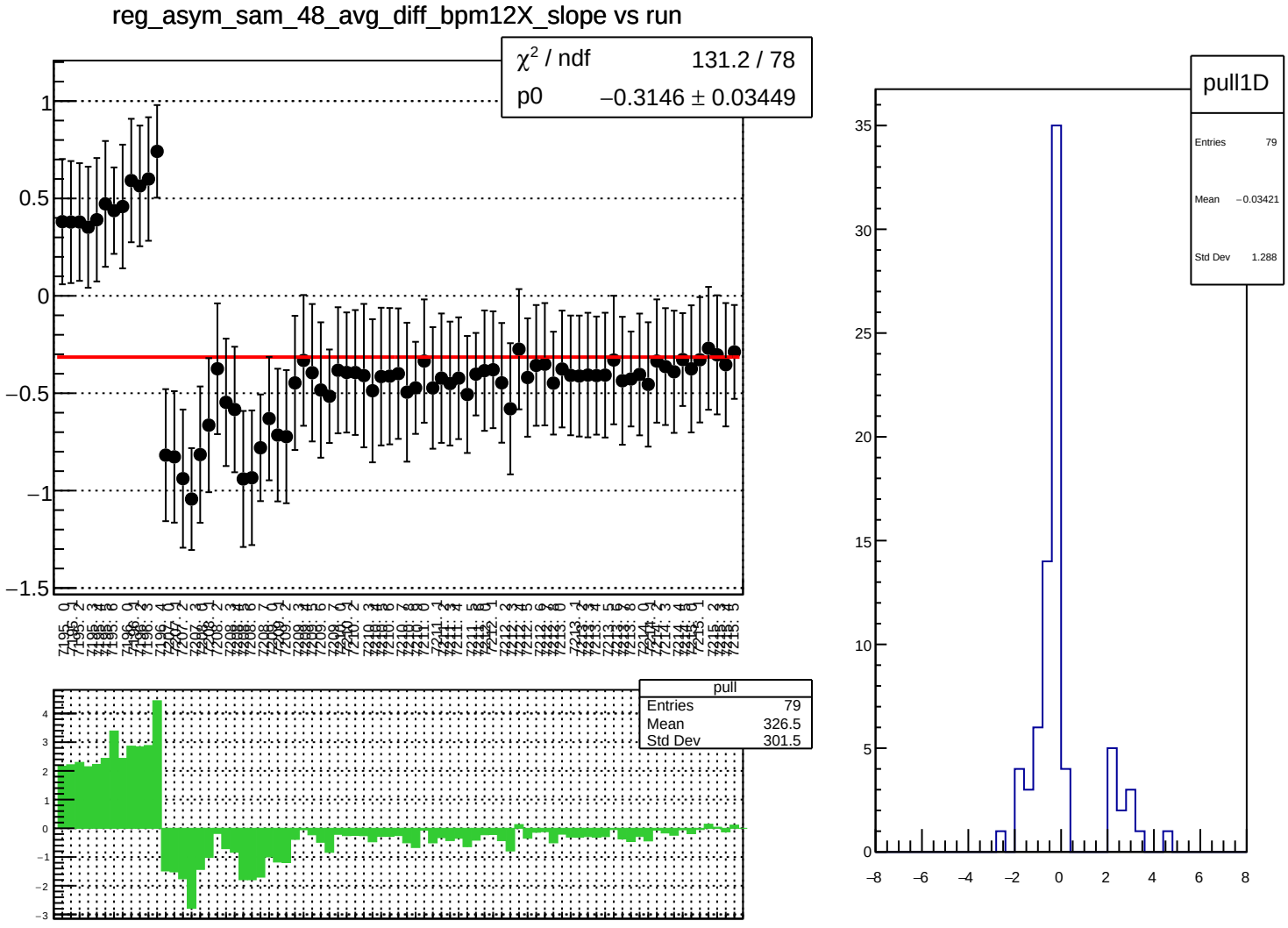


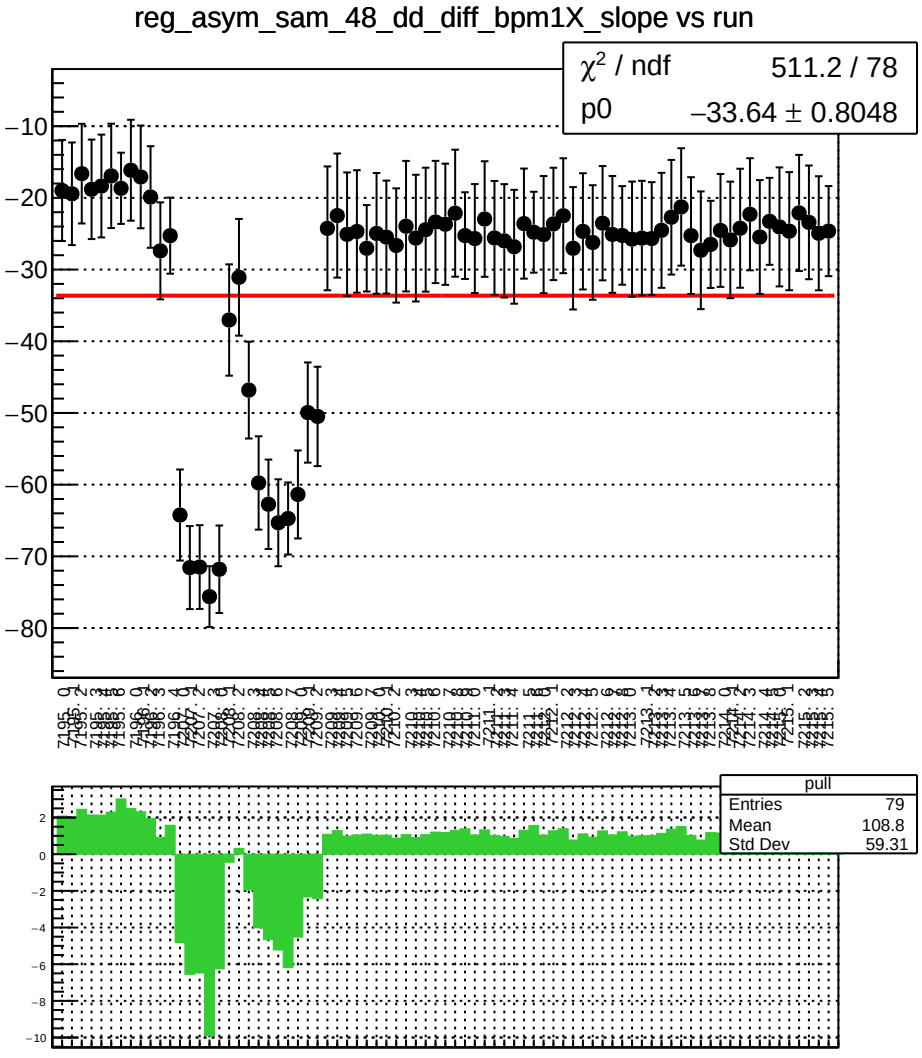

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 937.1 / 78
p0 −57.39 ± 0.9818
pull
Entries 79
Mean 109.7
Std Dev 61.68

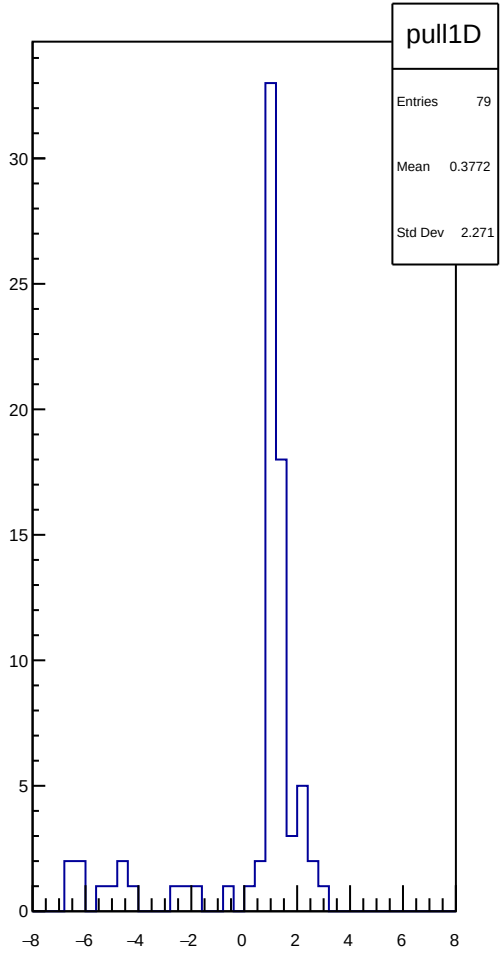

pull1D
Entries 79
Mean −0.9104
Std Dev 2.47

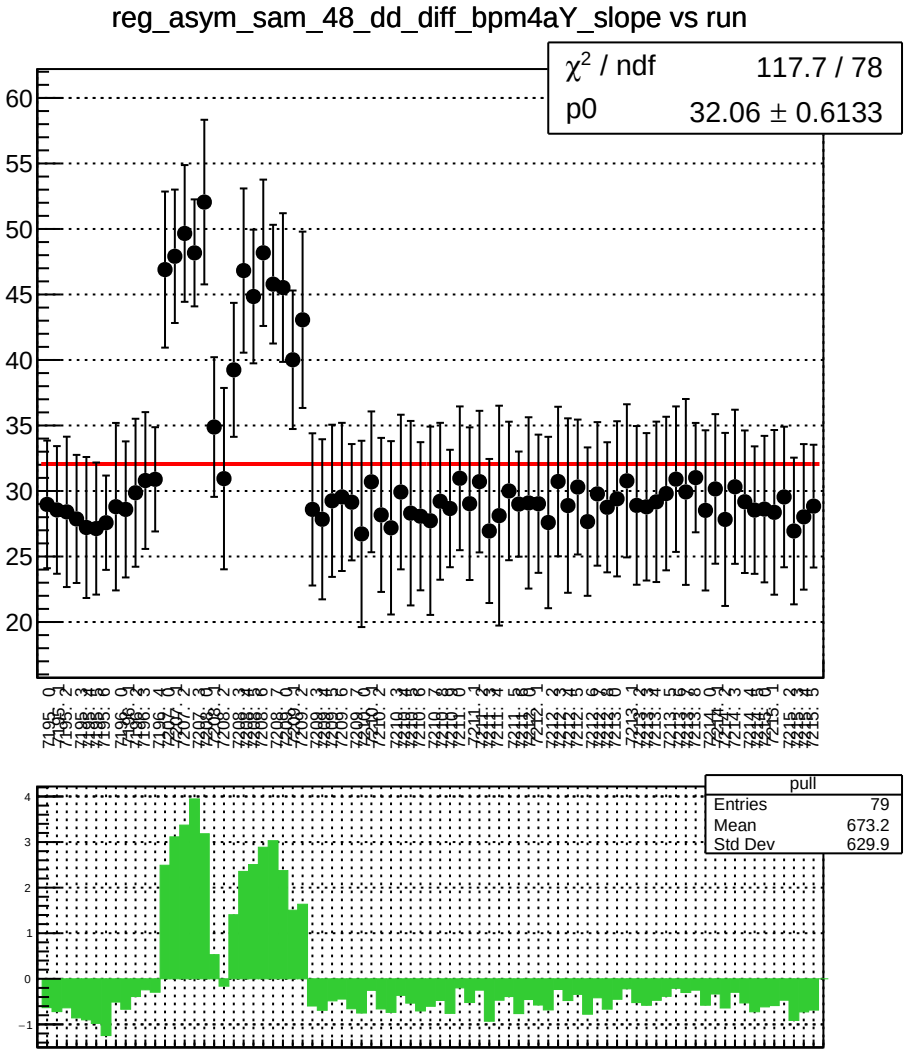

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 250.2 / 78
p0 102.9 ± 0.8243
pull
Entries 79
Mean 474.7
Std Dev 428.6

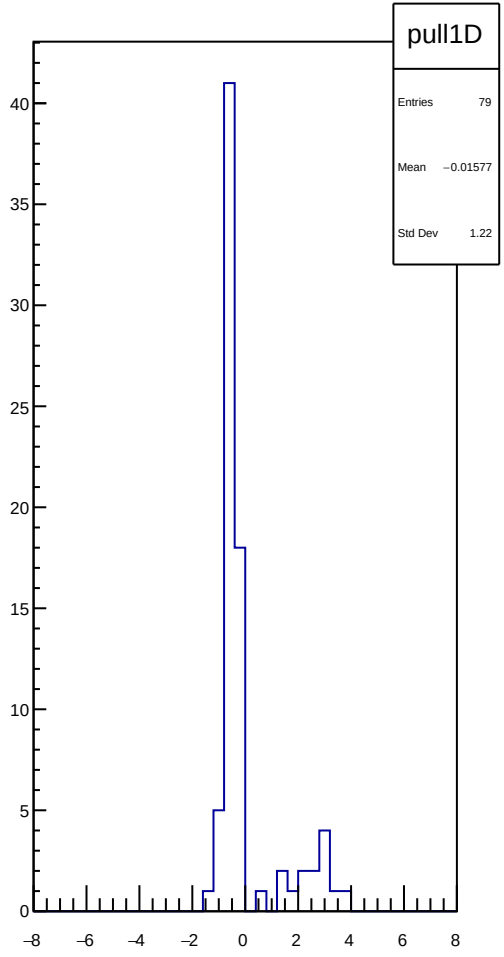

pull1D
Entries 79
Mean 0.02908
Std Dev 1.78

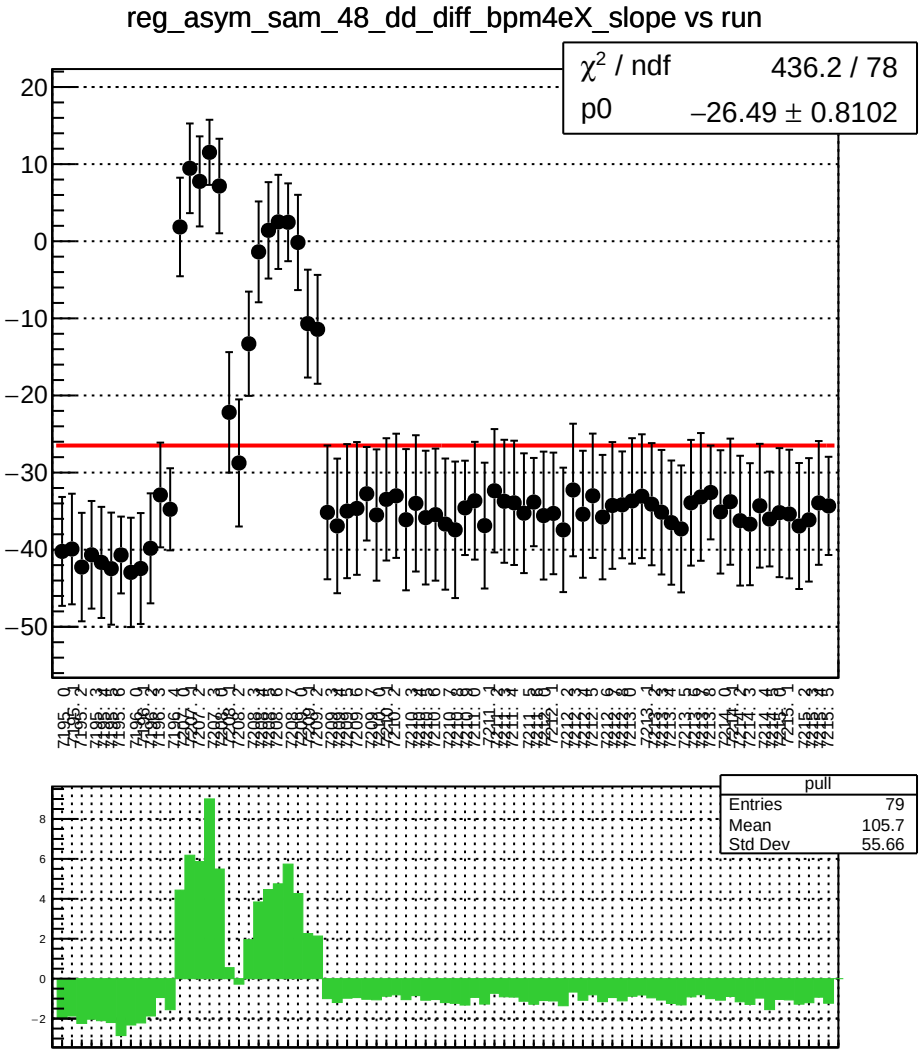

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 131.2 / 78
p0 −0.3146 ± 0.03449
pull
Entries 79
Mean 326.5
Std Dev 301.5
pull1D
Entries 79
Mean −0.03421
Std Dev 1.288

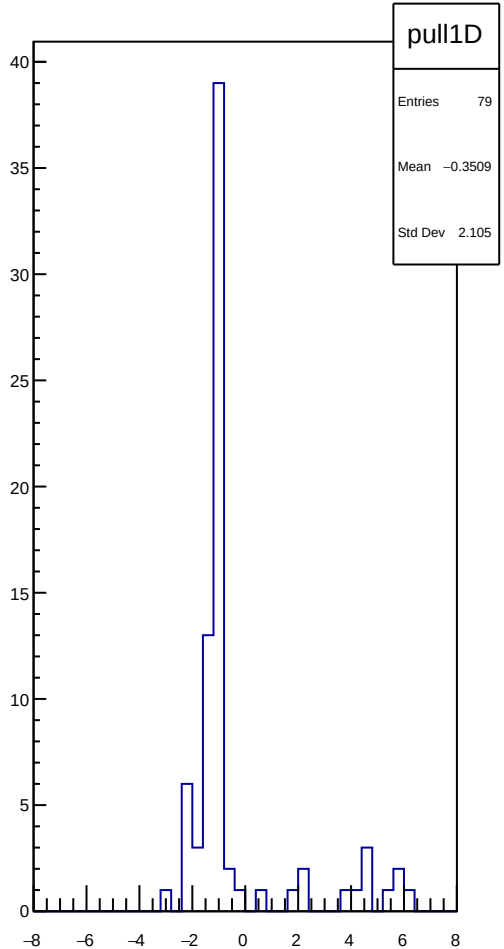

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 511.2 / 78
p0 −33.64 ± 0.8048
pull
Entries 79
Mean 108.8
Std Dev 59.31

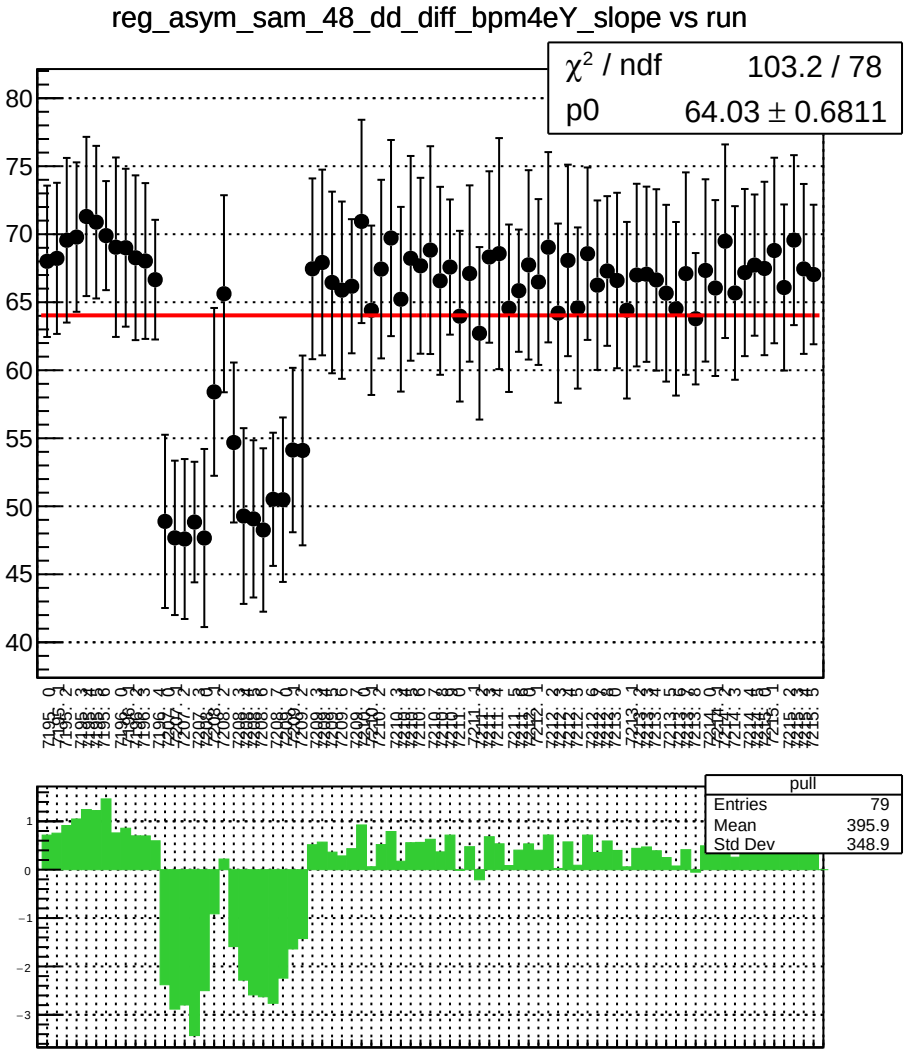

pull1D
Entries 79
Mean 0.3772
Std Dev 2.271

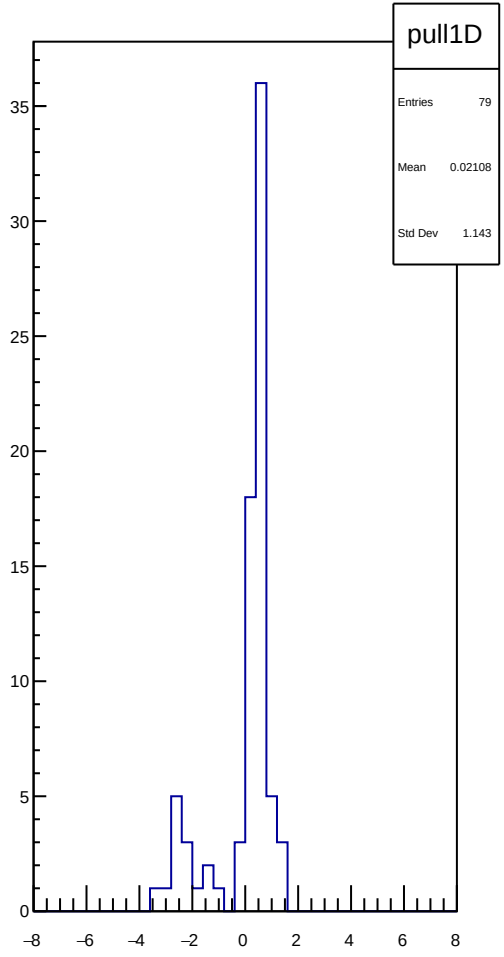

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 117.7 / 78
p0 32.06 ± 0.6133
pull
Entries 79
Mean 673.2
Std Dev 629.9

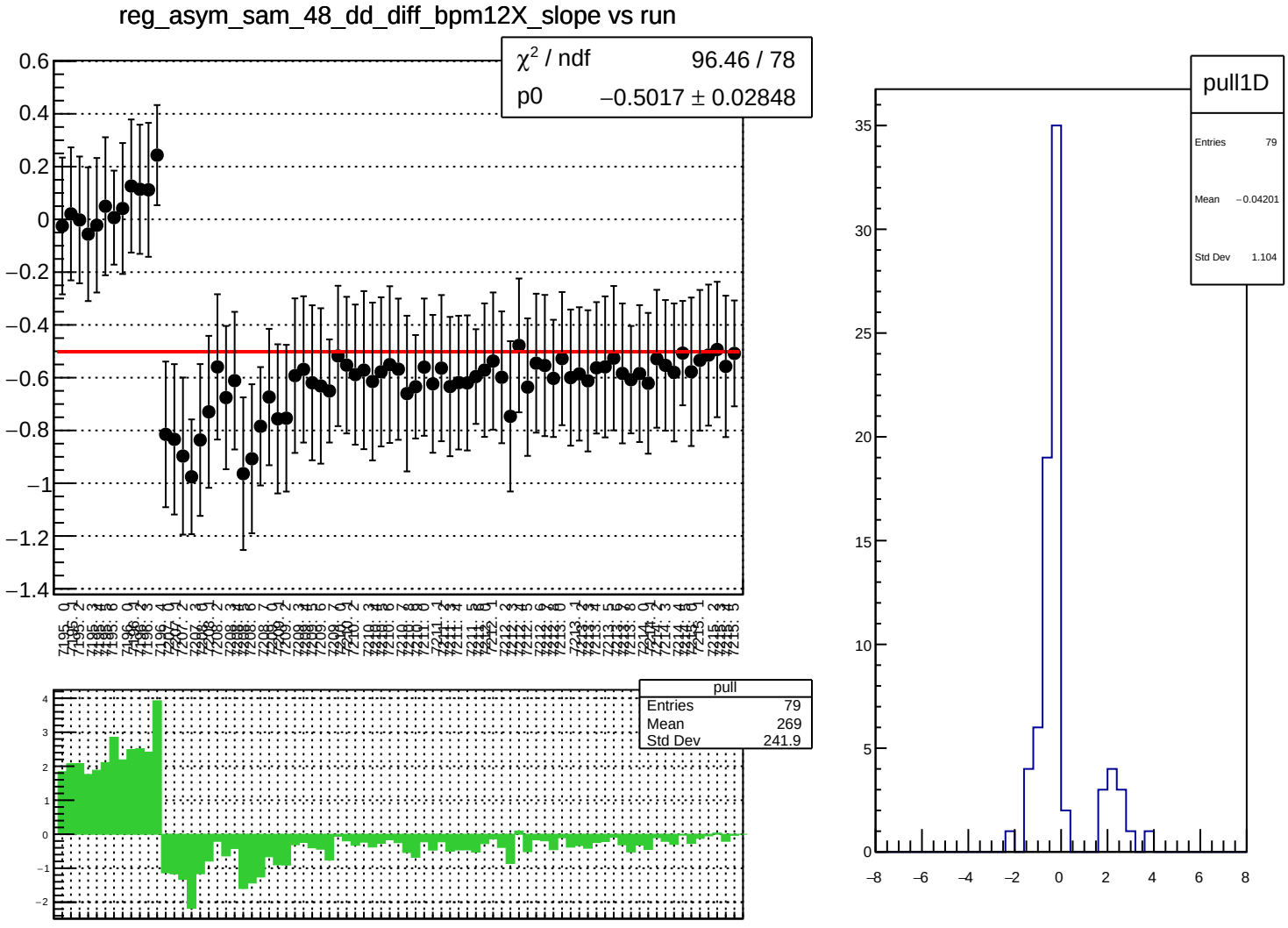

pull1D
Entries 79
Mean −0.01577
Std Dev 1.22

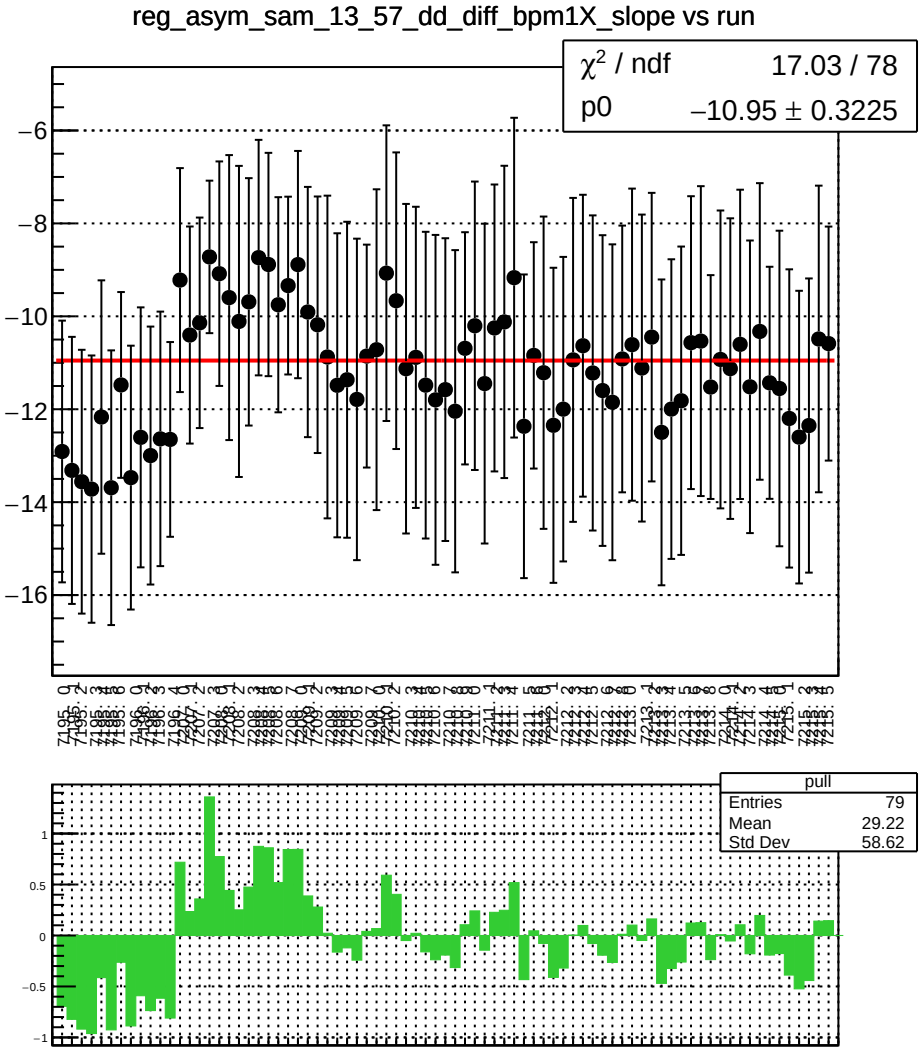

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 436.2 / 78
p0 −26.49 ± 0.8102
pull
Entries 79
Mean 105.7
Std Dev 55.66

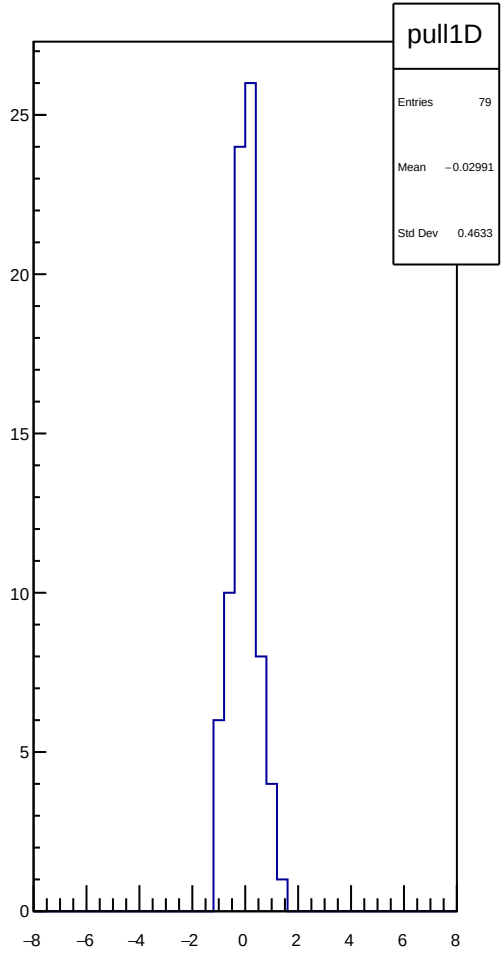

pull1D
Entries 79
Mean −0.3509
Std Dev 2.105

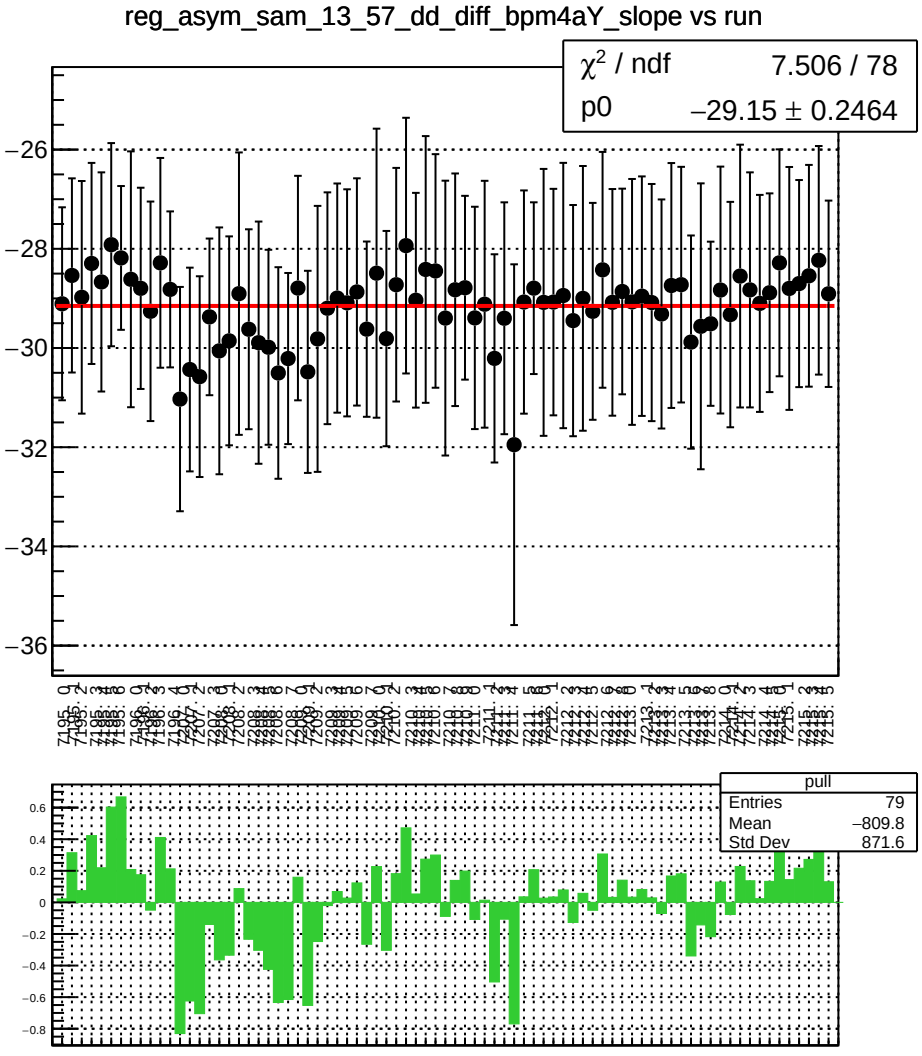

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 103.2 / 78
p0 64.03 ± 0.6811
pull
Entries 79
Mean 395.9
Std Dev 348.9

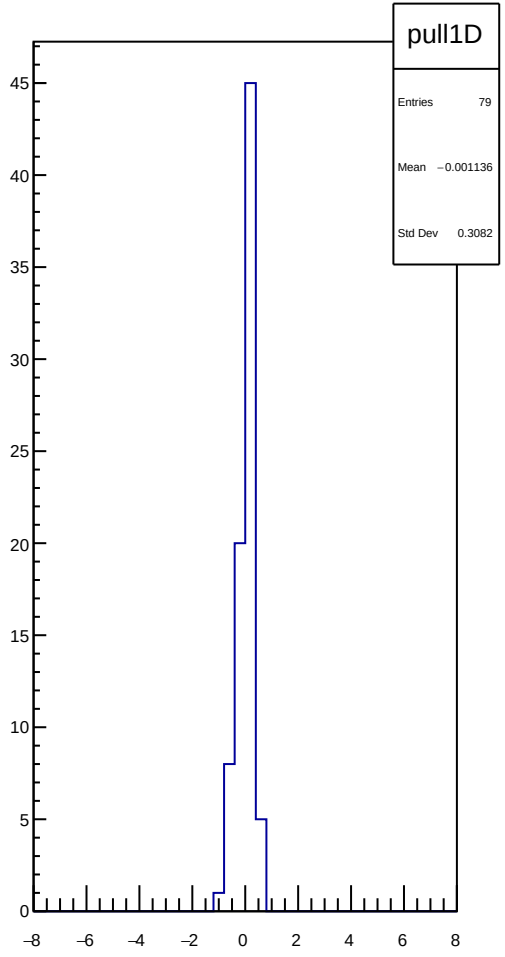

pull1D
Entries 79
Mean 0.02108
Std Dev 1.143

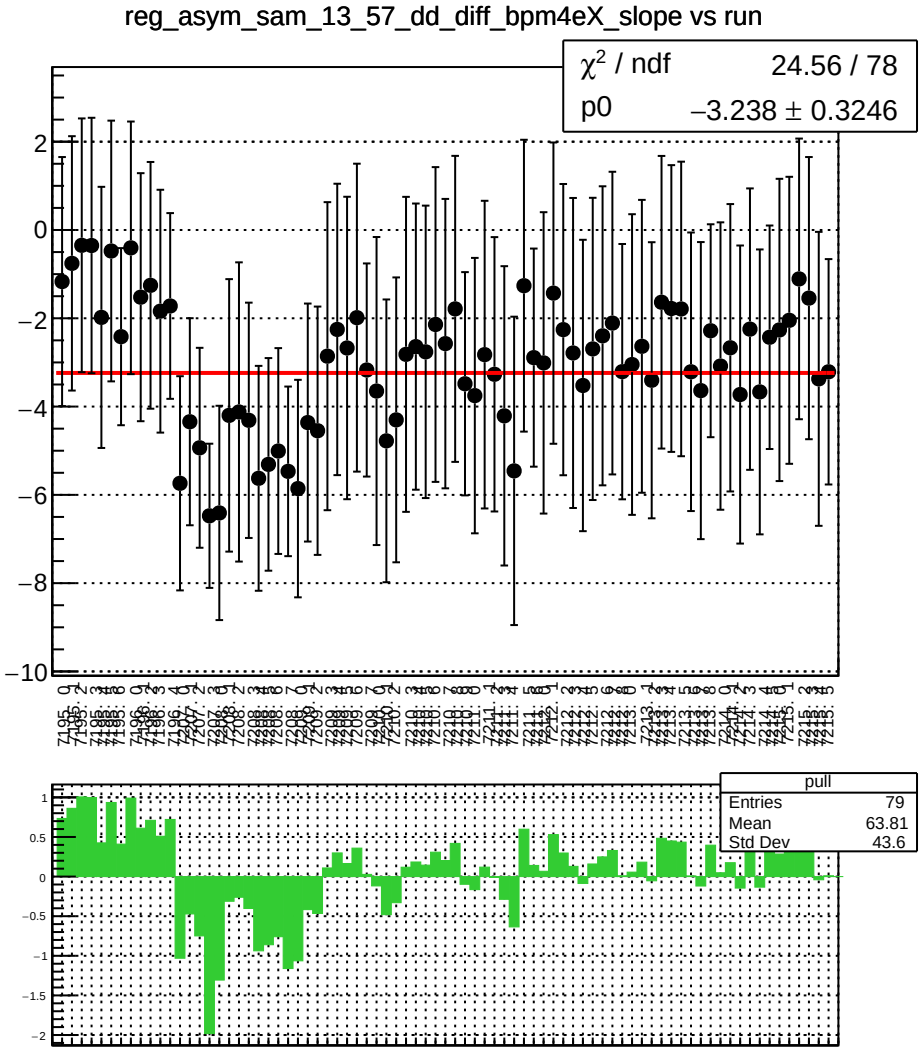

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 96.46 / 78
p0 −0.5017 ± 0.02848
pull
Entries 79
Mean 269
Std Dev 241.9
pull1D
Entries 79
Mean −0.04201
Std Dev 1.104

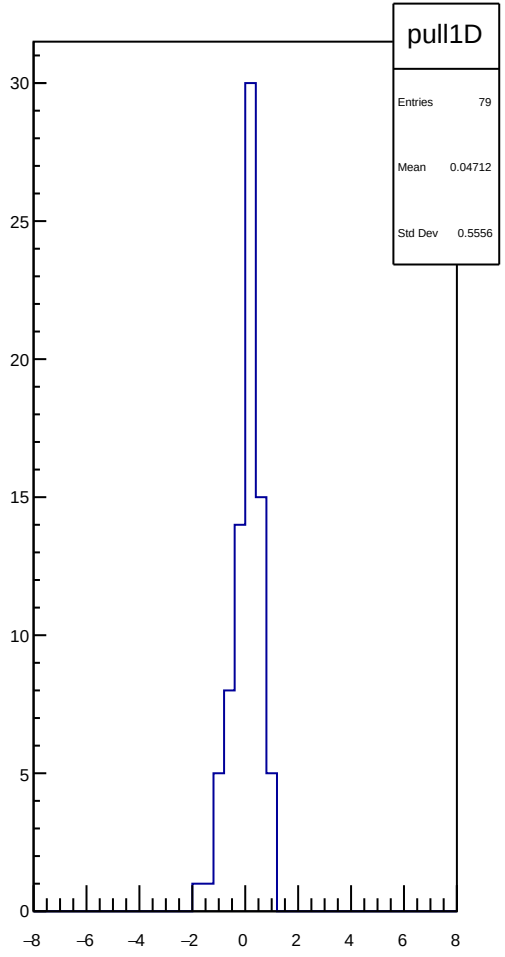

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 17.03 / 78
p0 −10.95 ± 0.3225
pull
Entries 79
Mean 29.22
Std Dev 58.62

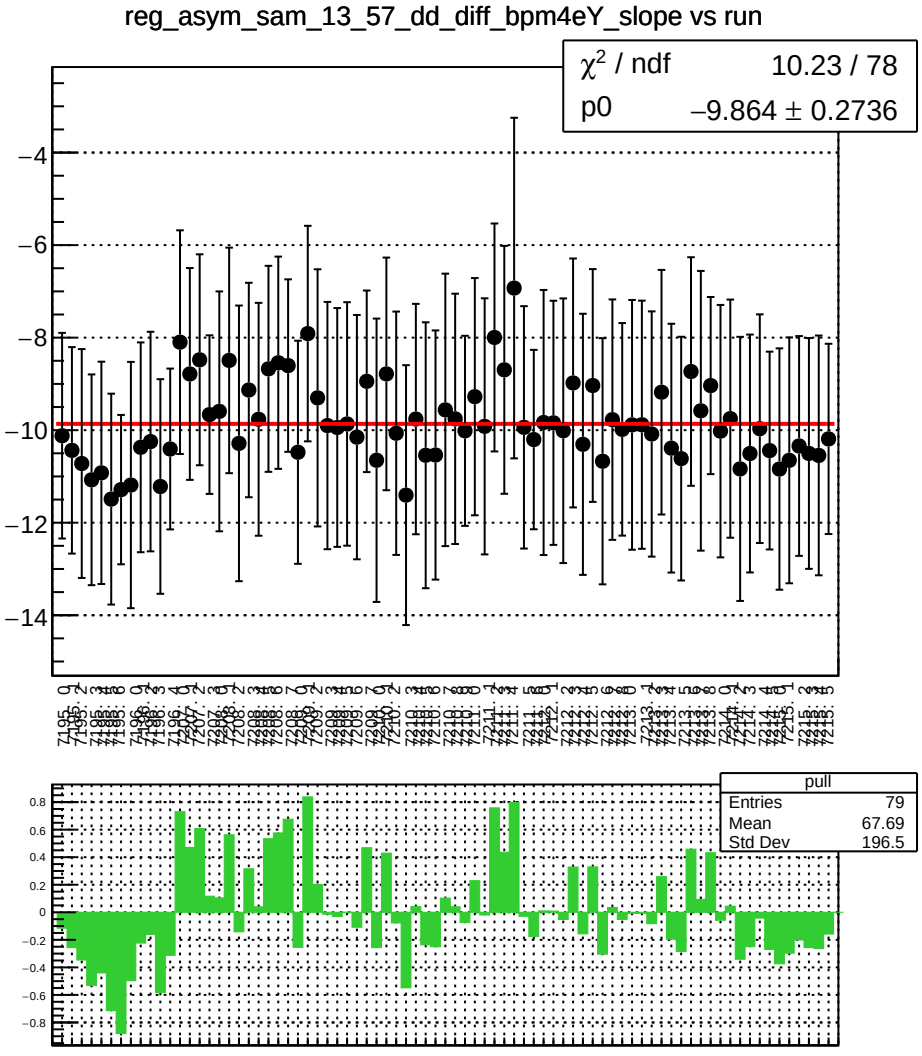

pull1D
Entries 79
Mean −0.02991
Std Dev 0.4633

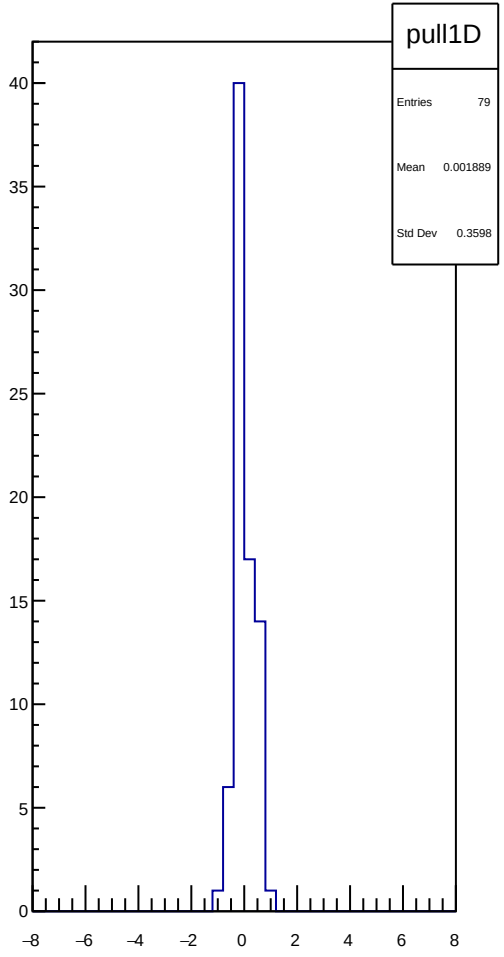

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.506 / 78
p0 −29.15 ± 0.2464
pull
Entries 79
Mean −809.8
Std Dev 871.6

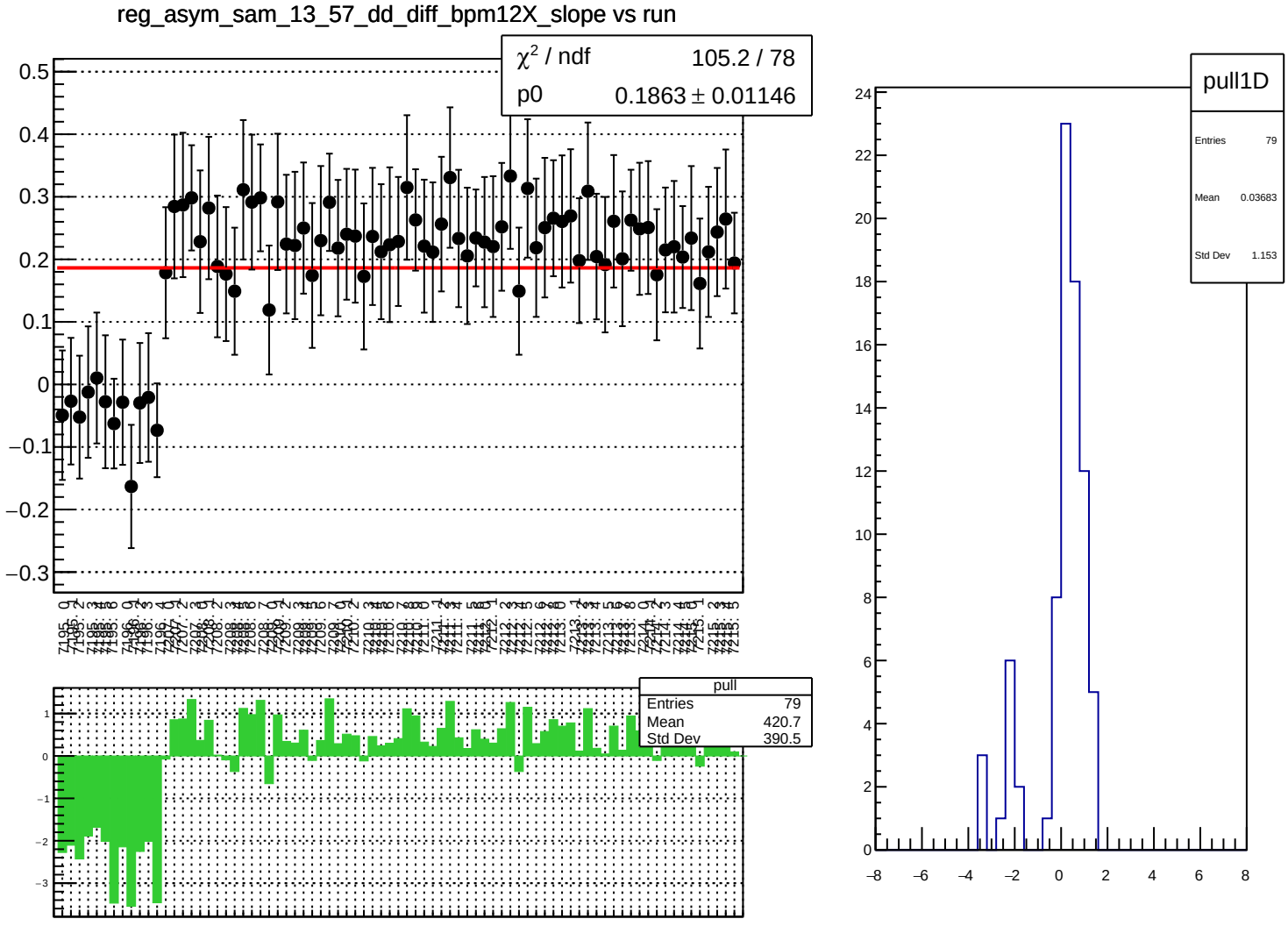

pull1D
Entries 79
Mean −0.001136
Std Dev 0.3082

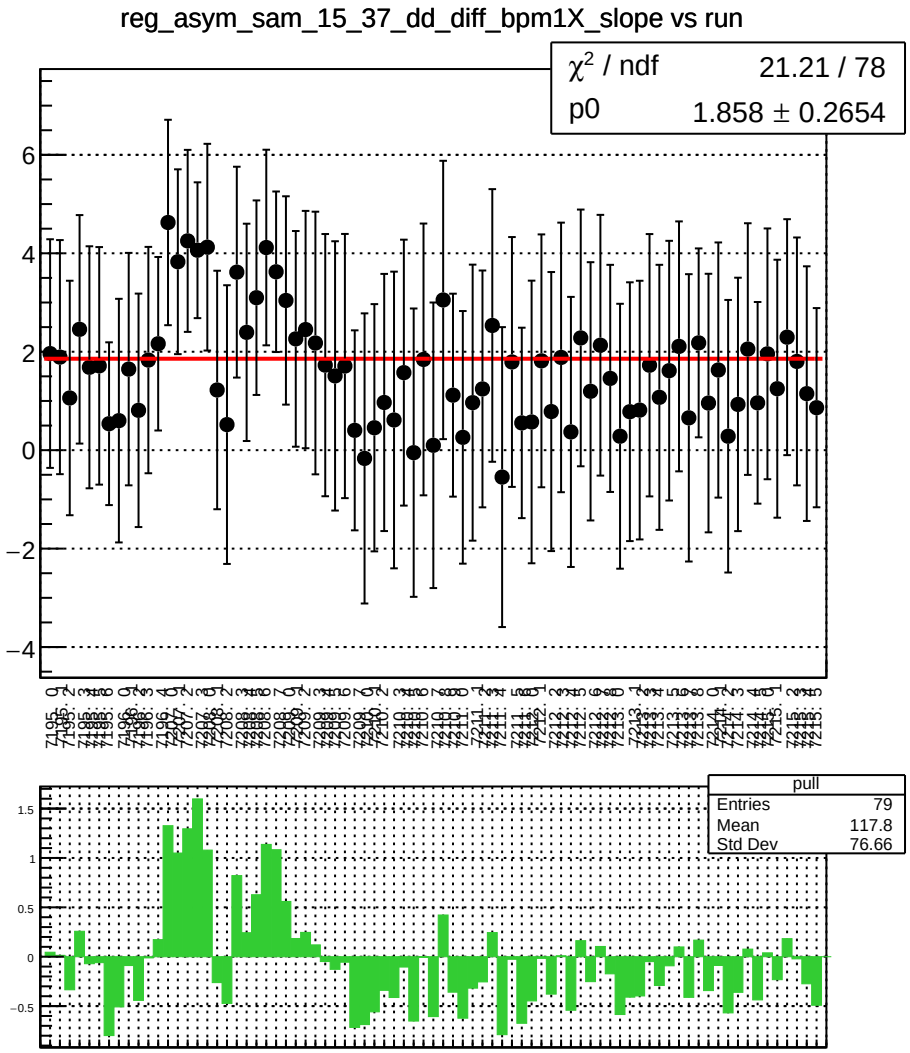

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 24.56 / 78
p0 −3.238 ± 0.3246
pull
Entries 79
Mean 63.81
Std Dev 43.6

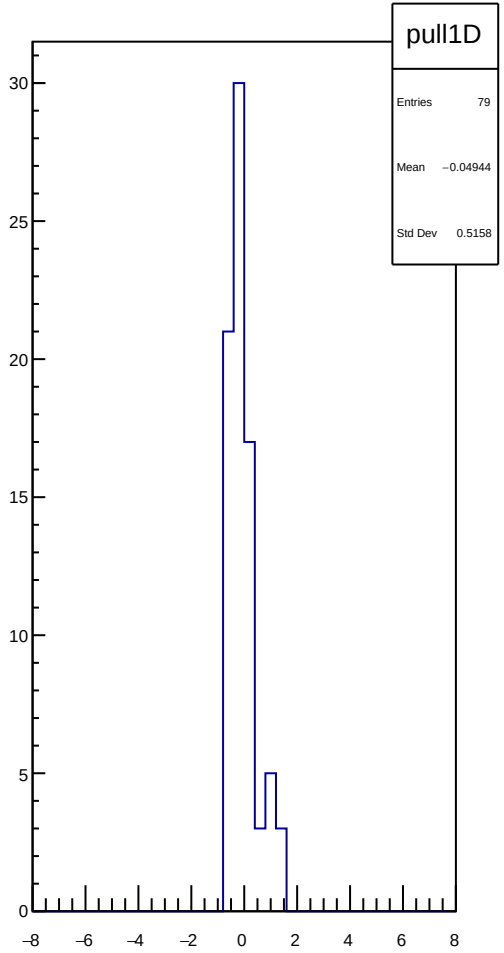

pull1D
Entries 79
Mean 0.04712
Std Dev 0.5556

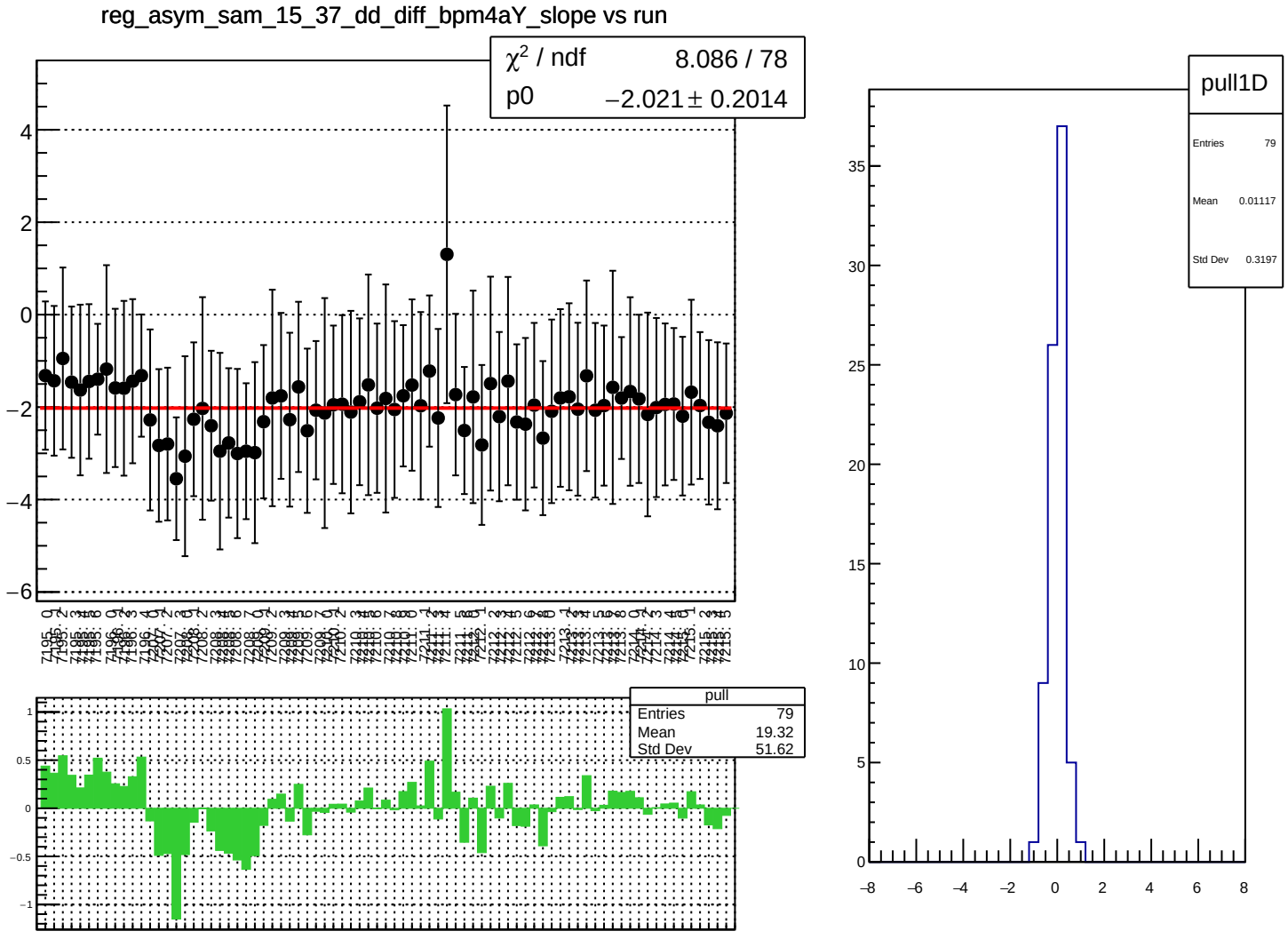

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.23 / 78
p0 −9.864 ± 0.2736
pull
Entries 79
Mean 67.69
Std Dev 196.5

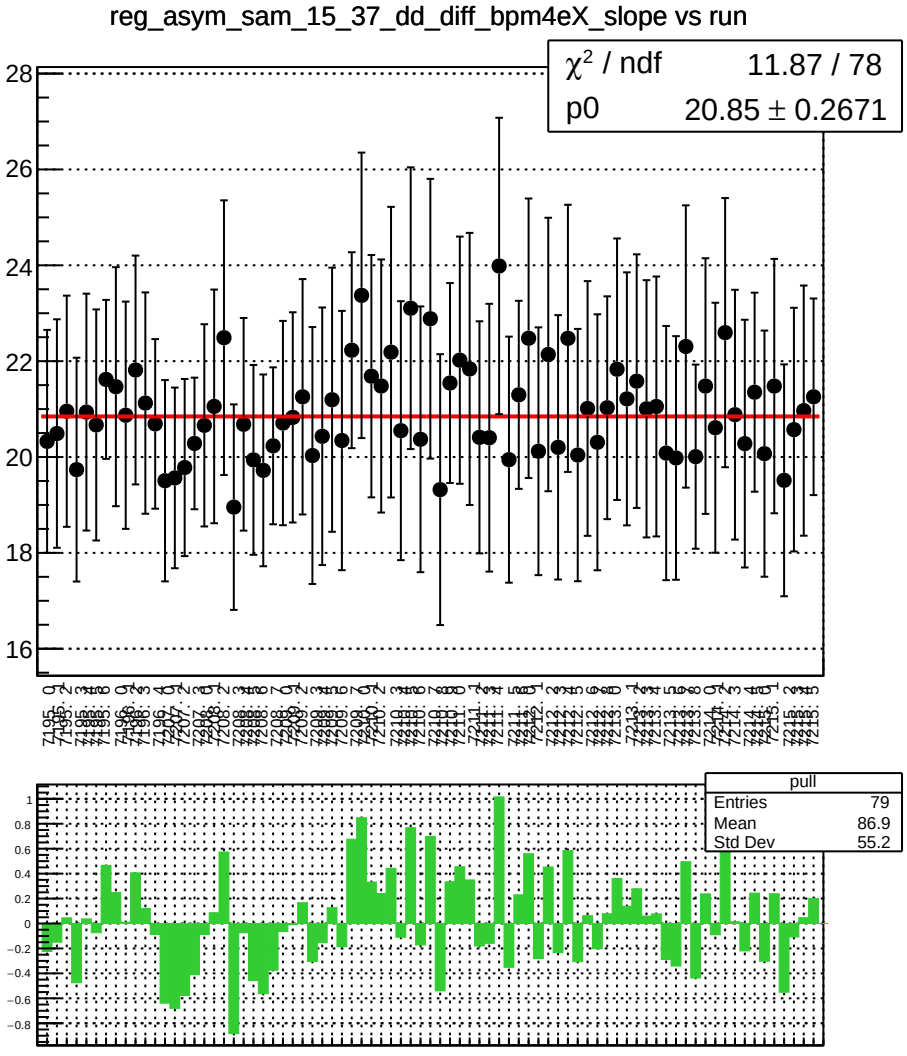

pull1D
Entries 79
Mean 0.001889
Std Dev 0.3598

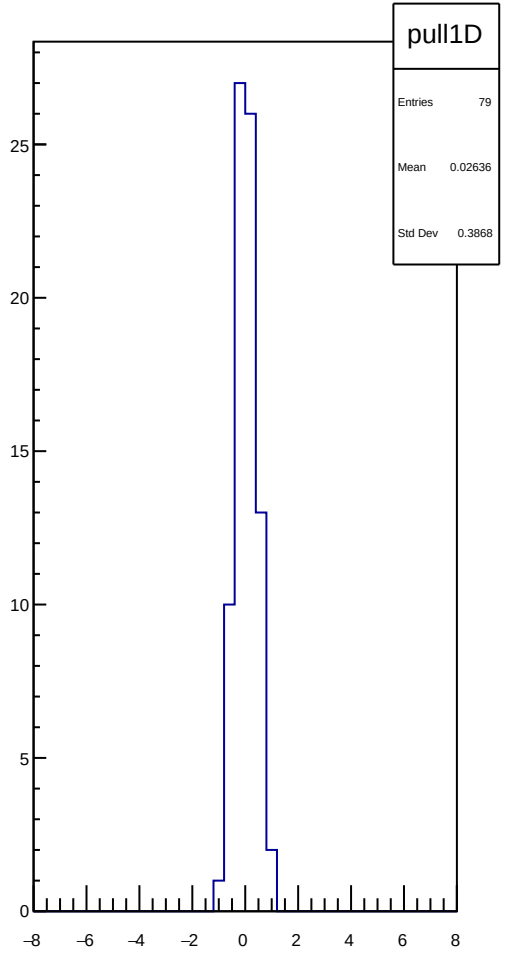

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 105.2 / 78
p0 0.1863 ± 0.01146
pull
Entries 79
Mean 420.7
Std Dev 390.5
pull1D
Entries 79
Mean 0.03683
Std Dev 1.153

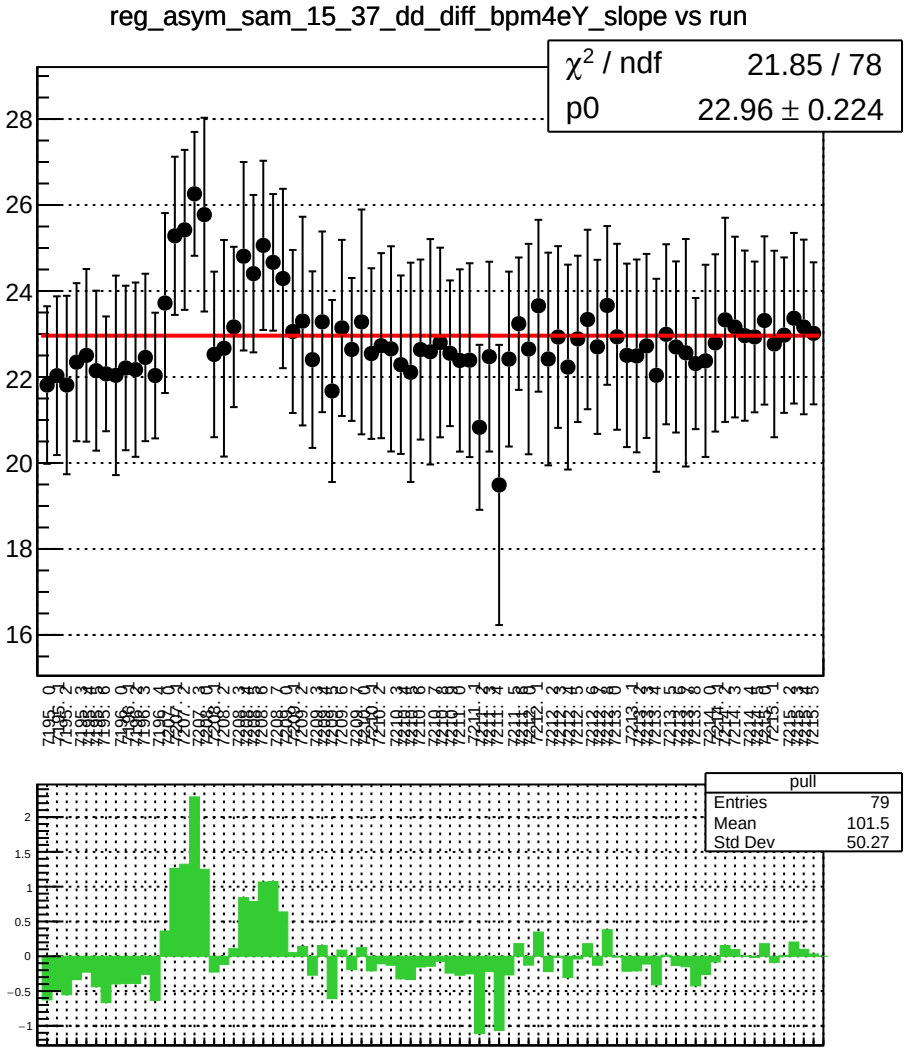

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 21.21 / 78
p0 1.858 ± 0.2654
pull
Entries 79
Mean 117.8
Std Dev 76.66

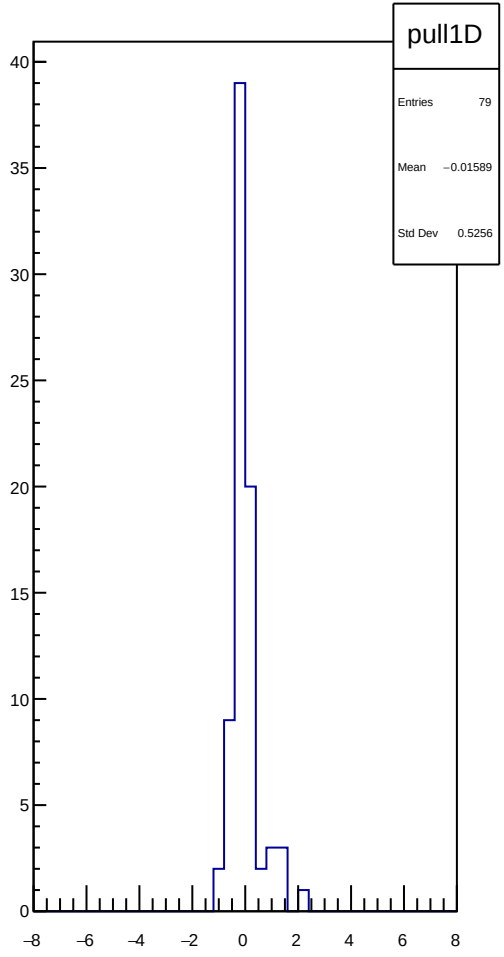

pull1D
Entries 79
Mean −0.04944
Std Dev 0.5158

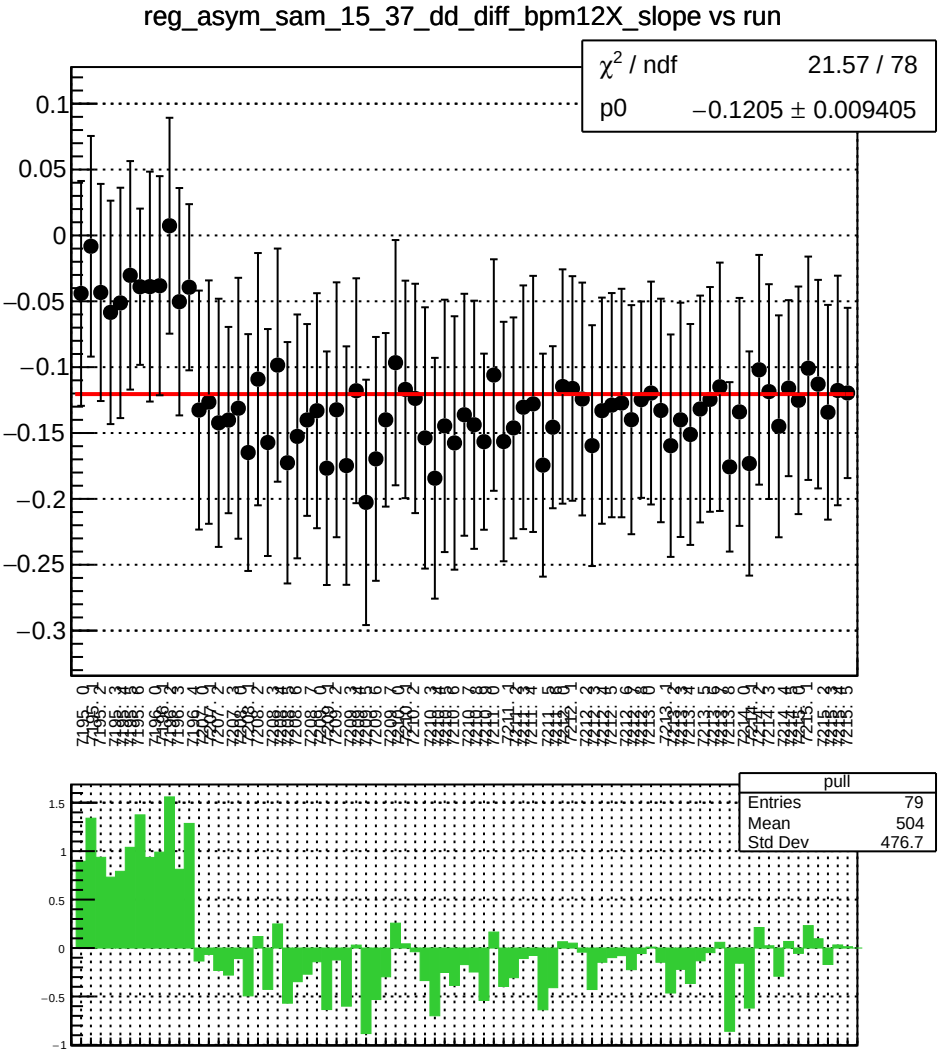

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.086 / 78
p0 −2.021 ± 0.2014
pull
Entries 79
Mean 19.32
Std Dev 51.62
pull1D
Entries 79
Mean 0.01117
Std Dev 0.3197

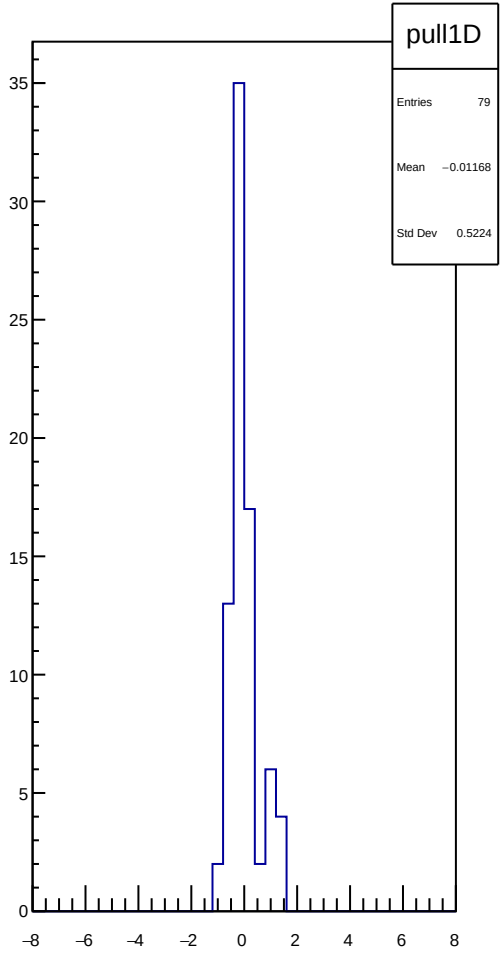

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.87 / 78
p0 20.85 ± 0.2671
pull
Entries 79
Mean 86.9
Std Dev 55.2

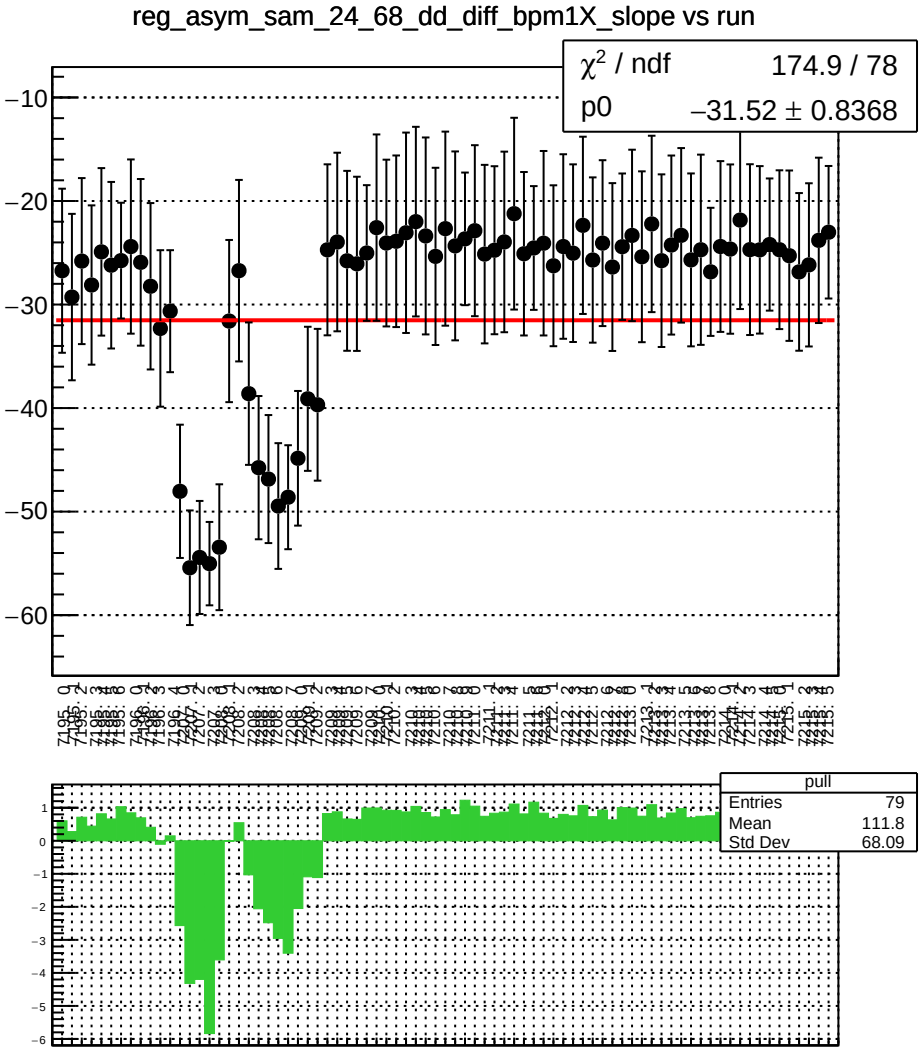

pull1D
Entries 79
Mean 0.02636
Std Dev 0.3868

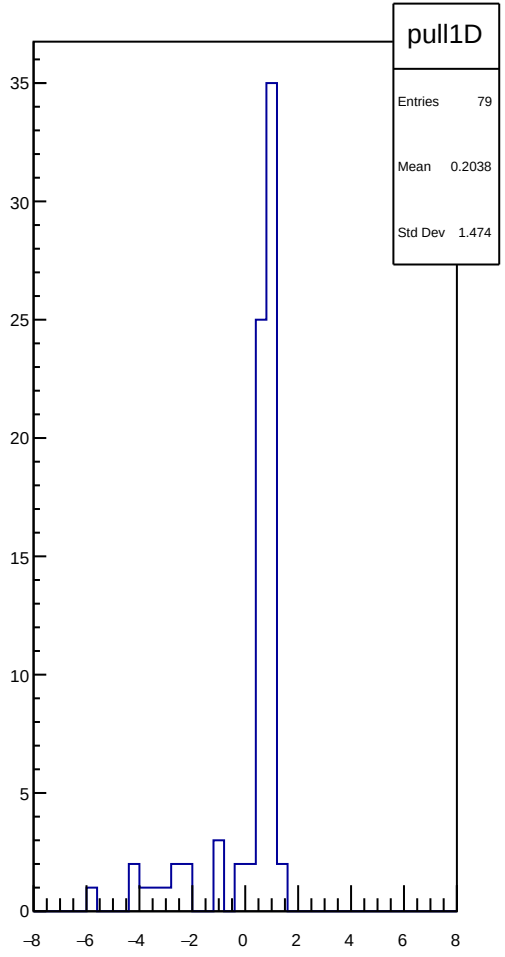

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 21.85 / 78
p0 22.96 ± 0.224
pull
Entries 79
Mean 101.5
Std Dev 50.27

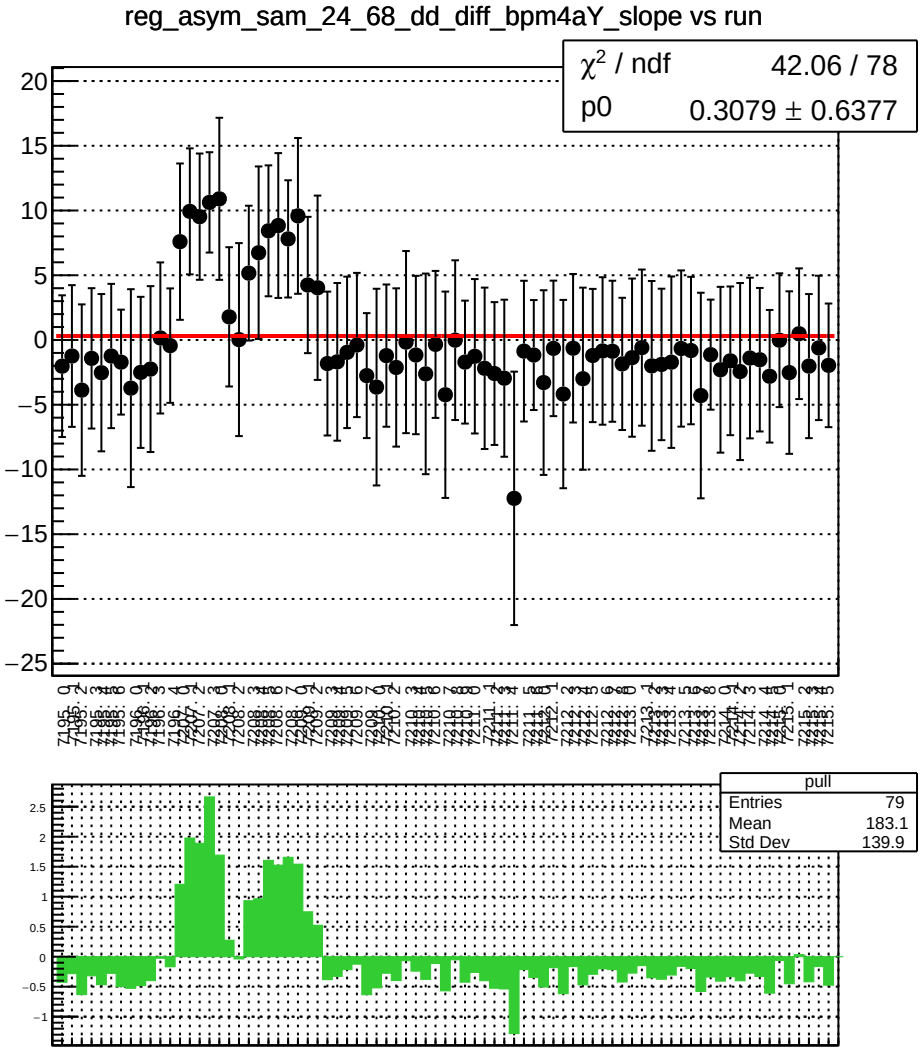

pull1D
Entries 79
Mean −0.01589
Std Dev 0.5256

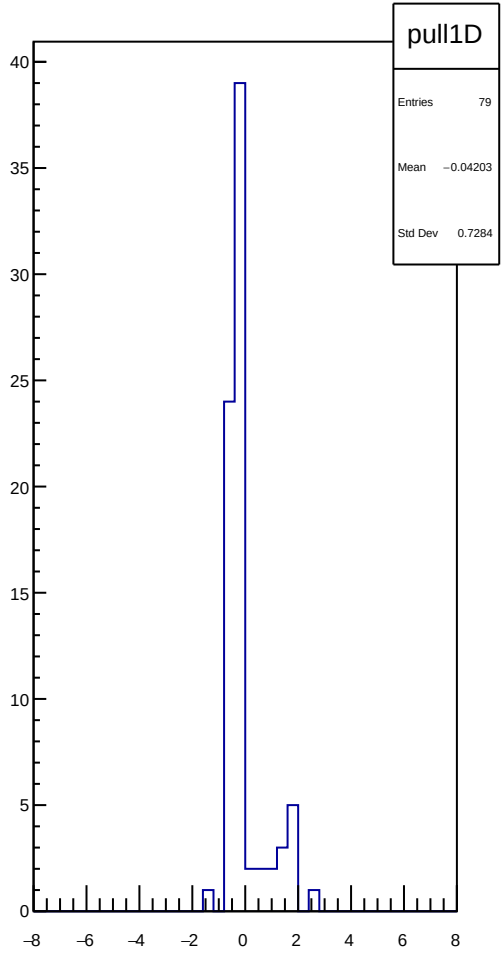

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 21.57 / 78
p0 −0.1205 ± 0.009405
pull
Entries 79
Mean 504
Std Dev 476.7

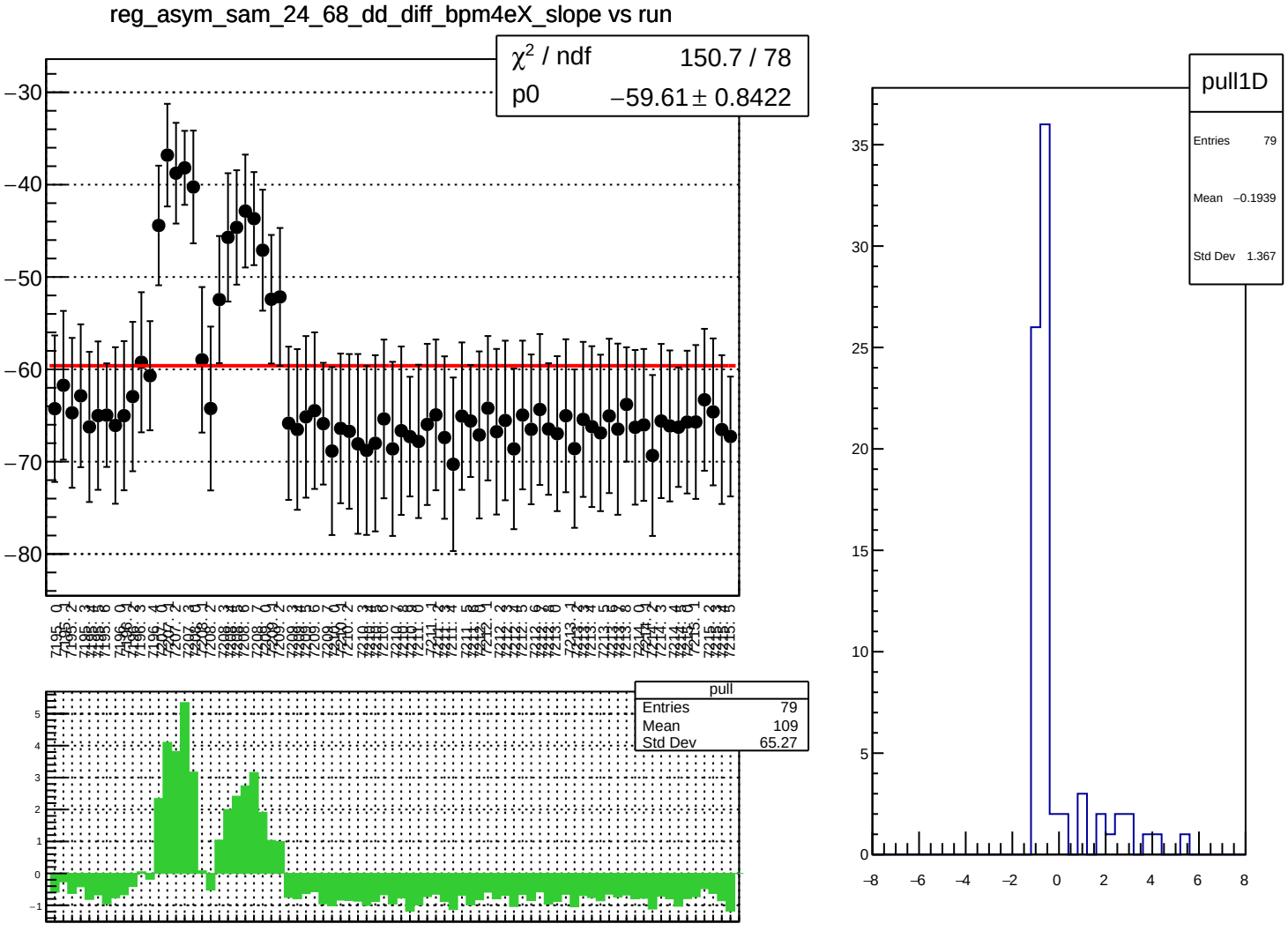

pull1D
Entries 79
Mean −0.01168
Std Dev 0.5224

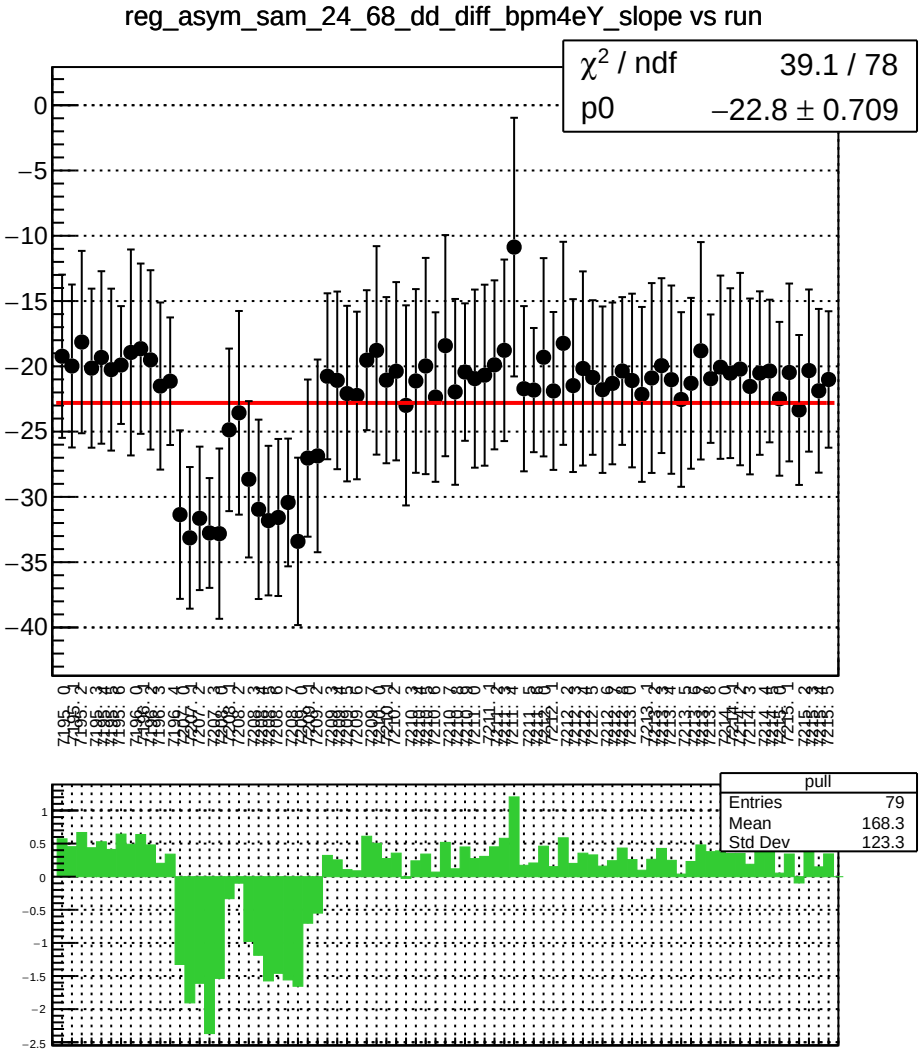

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 174.9 / 78
p0 −31.52 ± 0.8368
pull
Entries 79
Mean 111.8
Std Dev 68.09

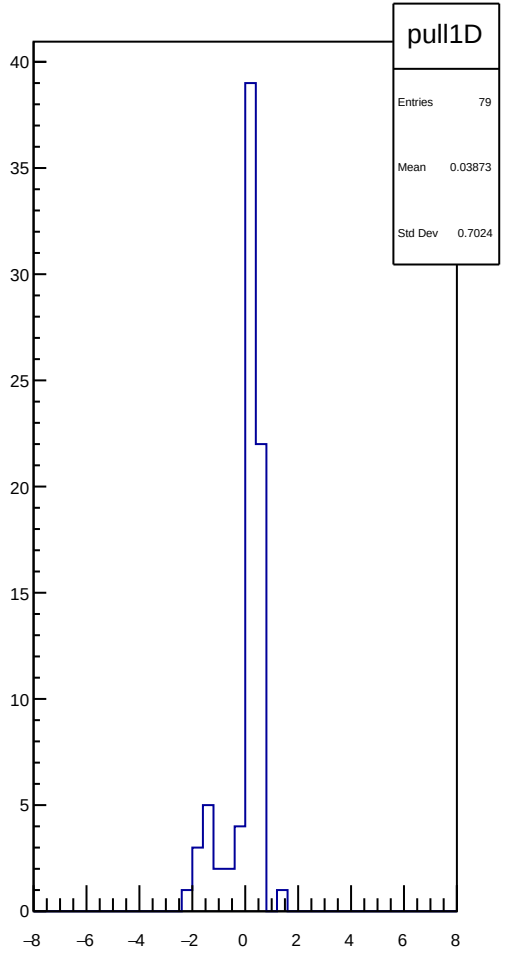

pull1D
Entries 79
Mean 0.2038
Std Dev 1.474

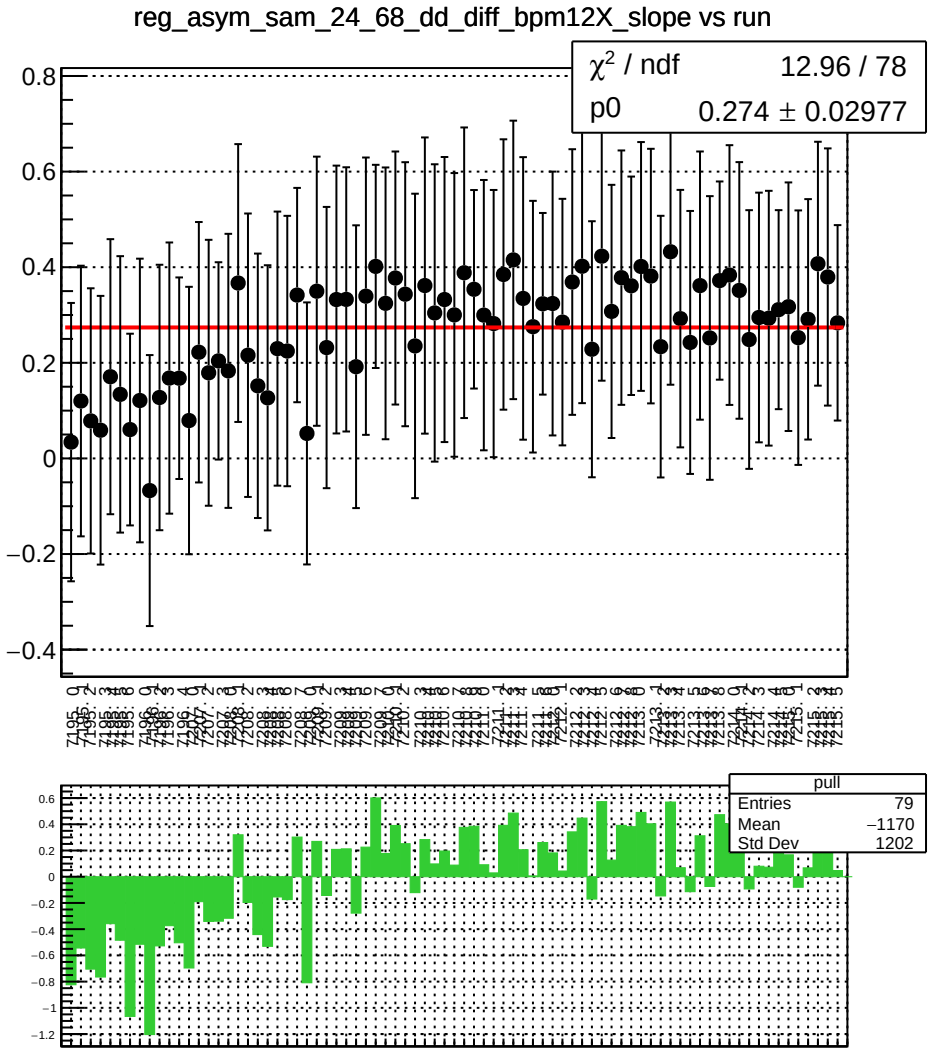

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.06 / 78
p0 0.3079 ± 0.6377
pull
Entries 79
Mean 183.1
Std Dev 139.9

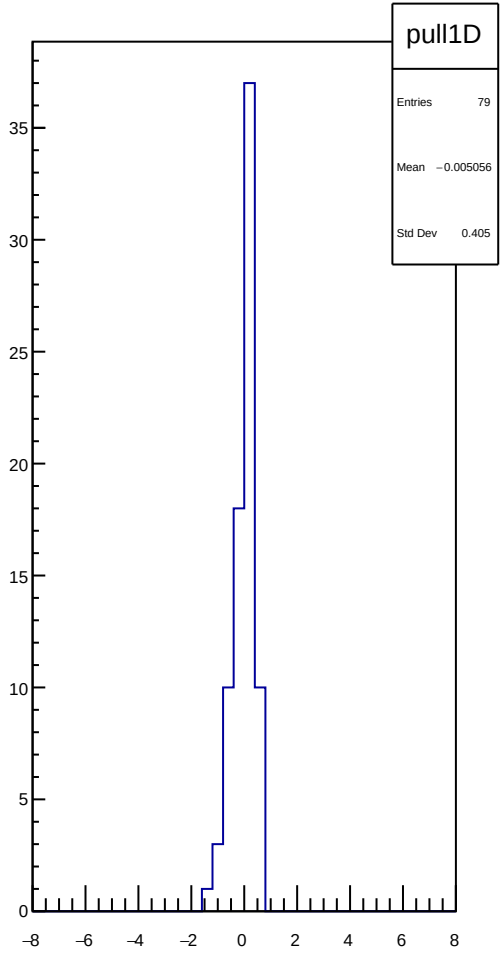

pull1D
Entries 79
Mean −0.04203
Std Dev 0.7284

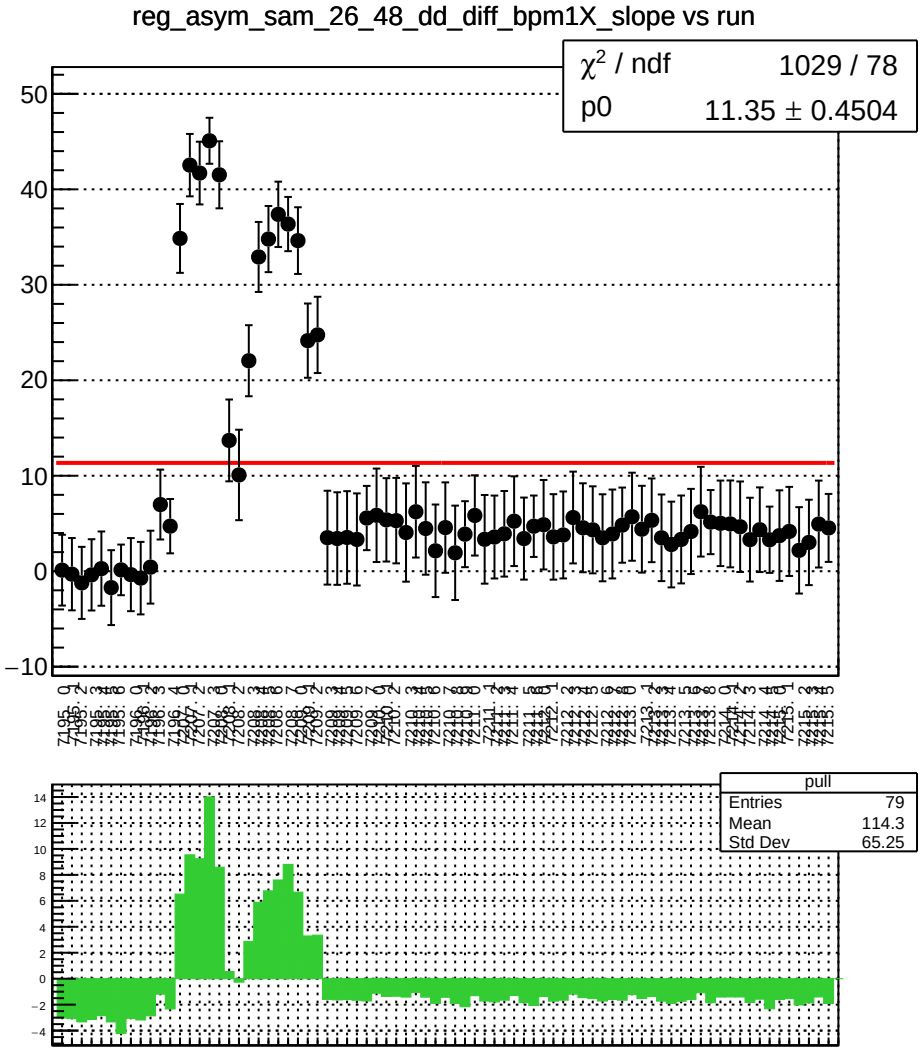

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 150.7 / 78
p0 −59.61 ± 0.8422
pull
Entries 79
Mean 109
Std Dev 65.27
pull1D
Entries 79
Mean −0.1939
Std Dev 1.367

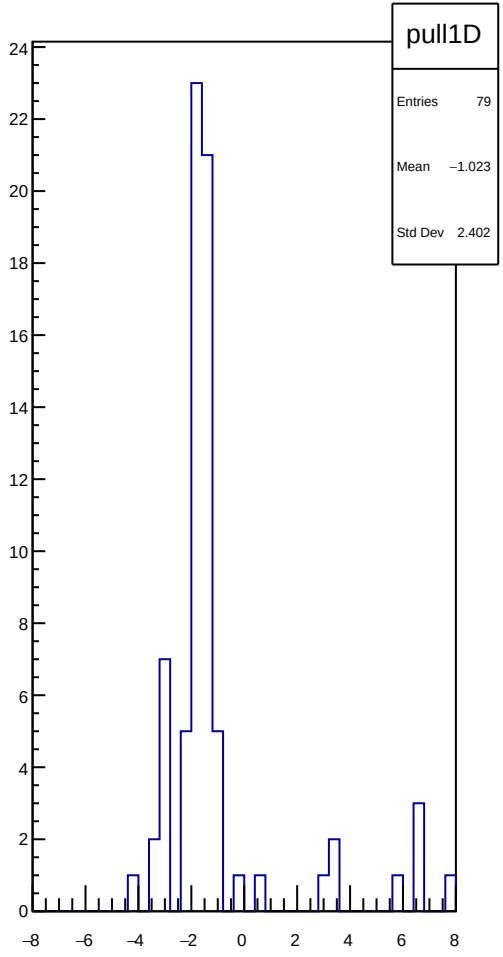

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 39.1 / 78
p0 −22.8 ± 0.709
pull
Entries 79
Mean 168.3
Std Dev 123.3

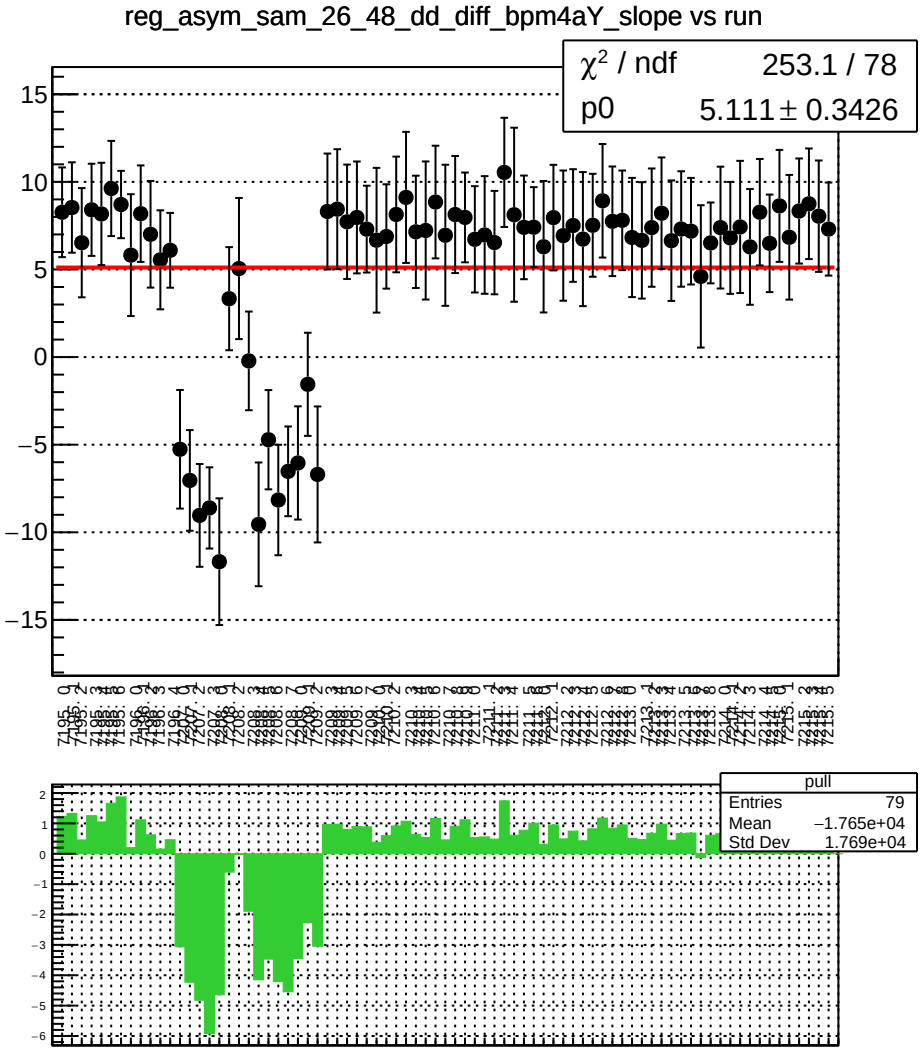

pull1D
Entries 79
Mean 0.03873
Std Dev 0.7024

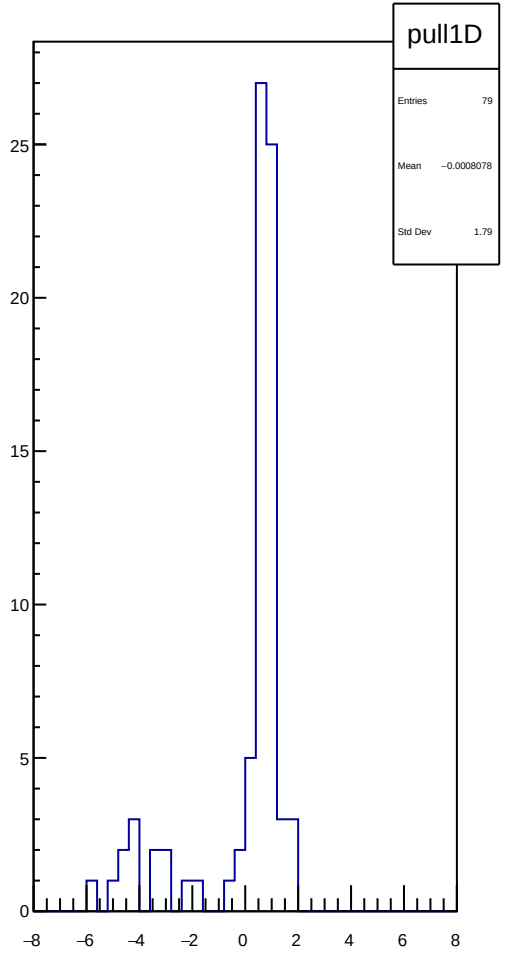

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 12.96 / 78
p0 0.274 ± 0.02977
pull
Entries 79
Mean −1170
Std Dev 1202

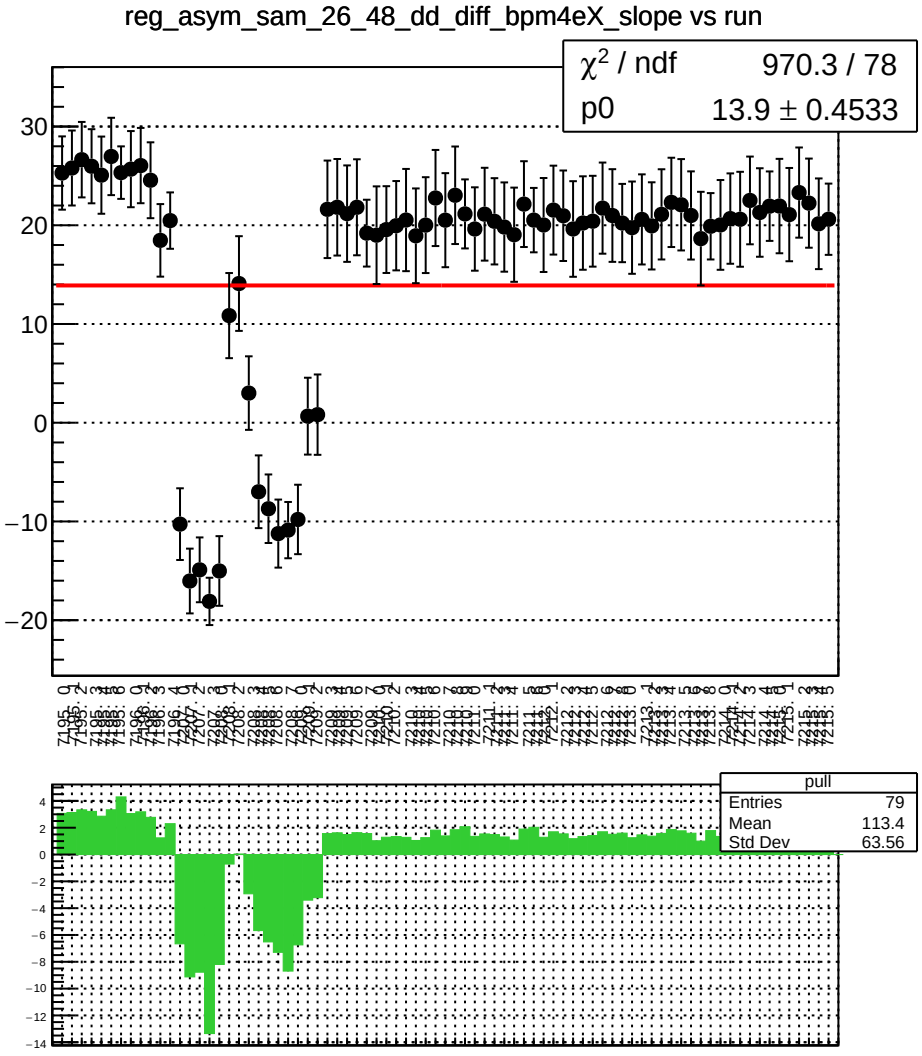

pull1D
Entries 79
Mean −0.005056
Std Dev 0.405

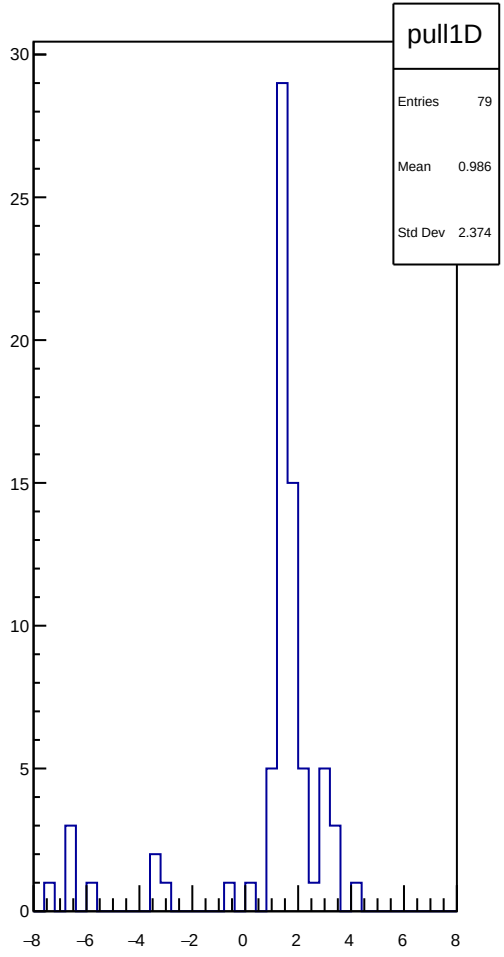

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1029 / 78
p0 11.35 ± 0.4504
pull
Entries 79
Mean 114.3
Std Dev 65.25

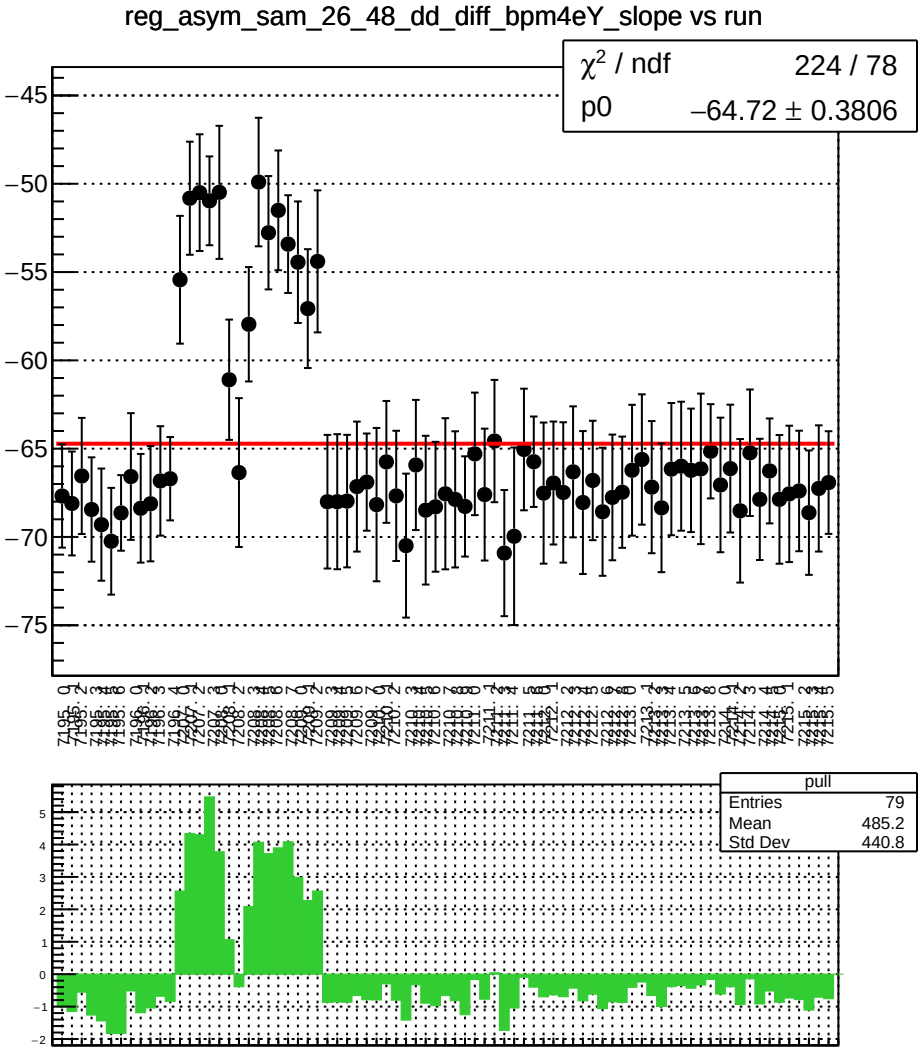

pull1D
Entries 79
Mean −1.023
Std Dev 2.402

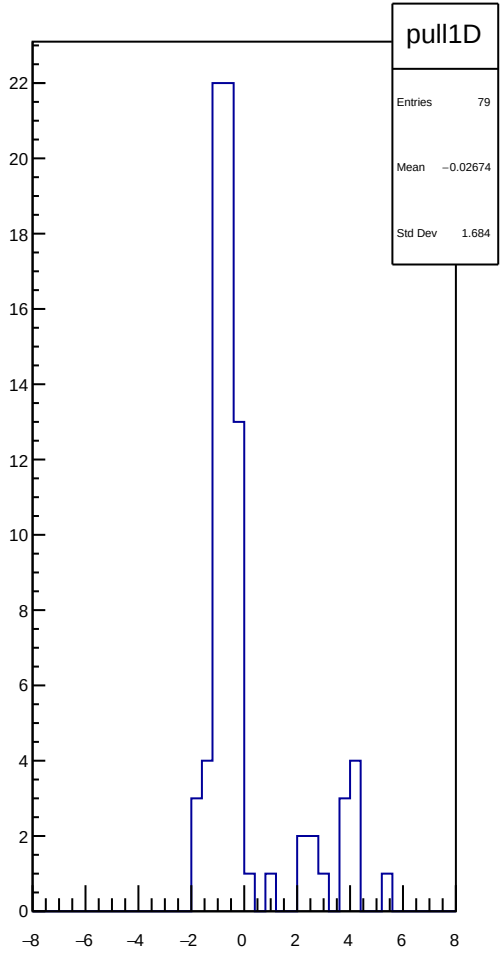

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 253.1 / 78
p0 5.111 ± 0.3426
pull
Entries 79
Mean −1.765e+04
Std Dev 1.769e+04

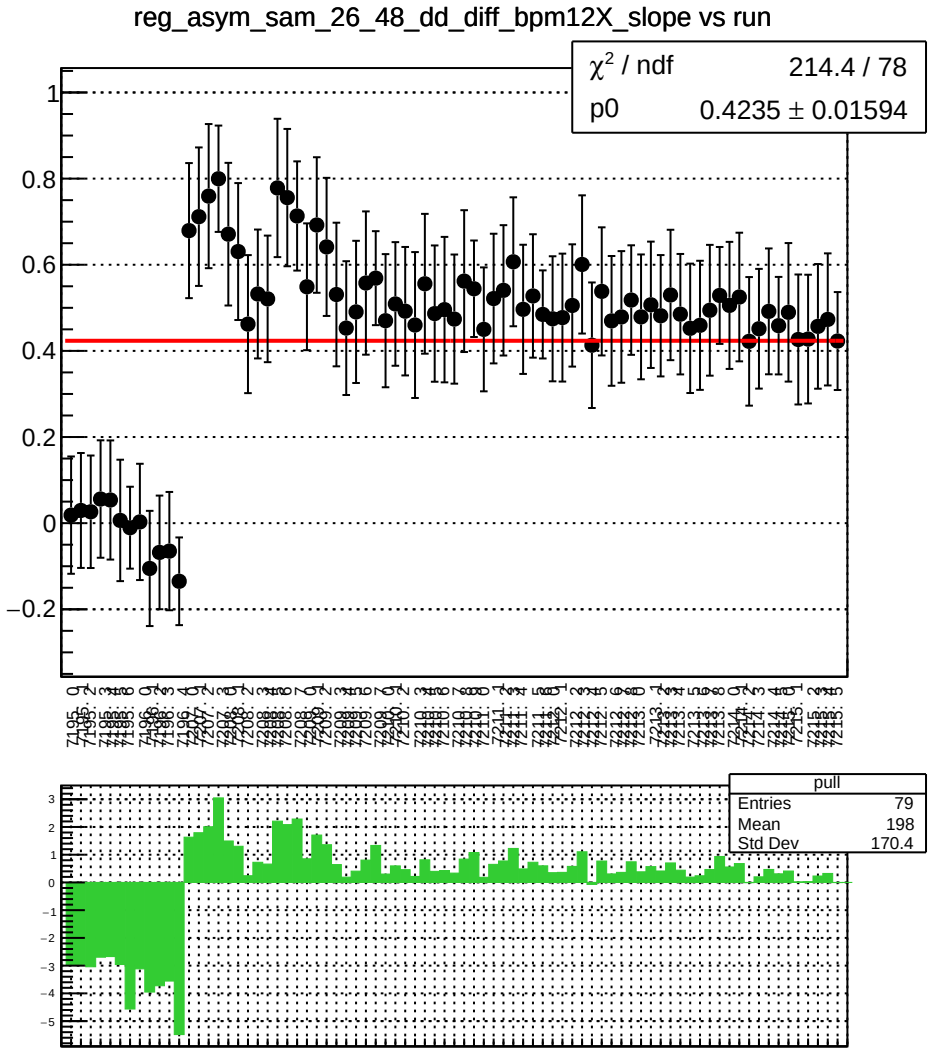

pull1D
Entries 79
Mean −0.0008078
Std Dev 1.79

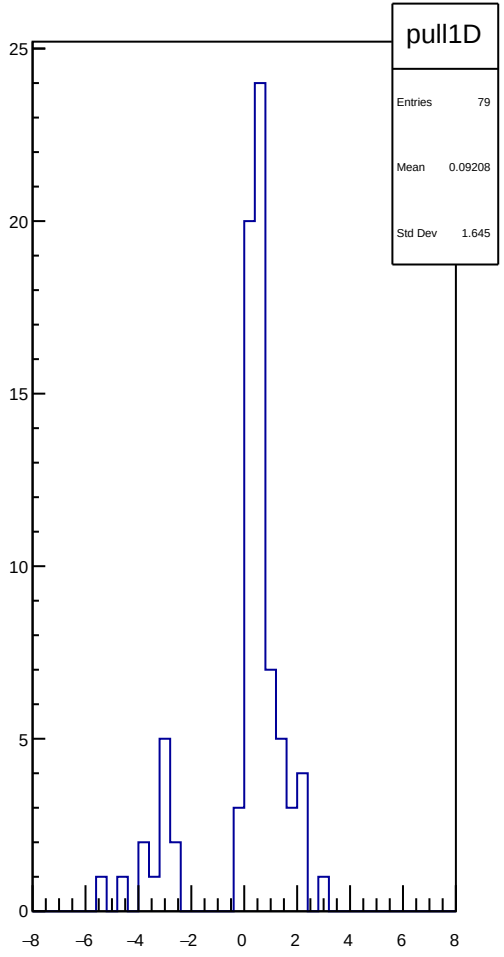

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 970.3 / 78
p0 13.9 ± 0.4533
pull
Entries 79
Mean 113.4
Std Dev 63.56

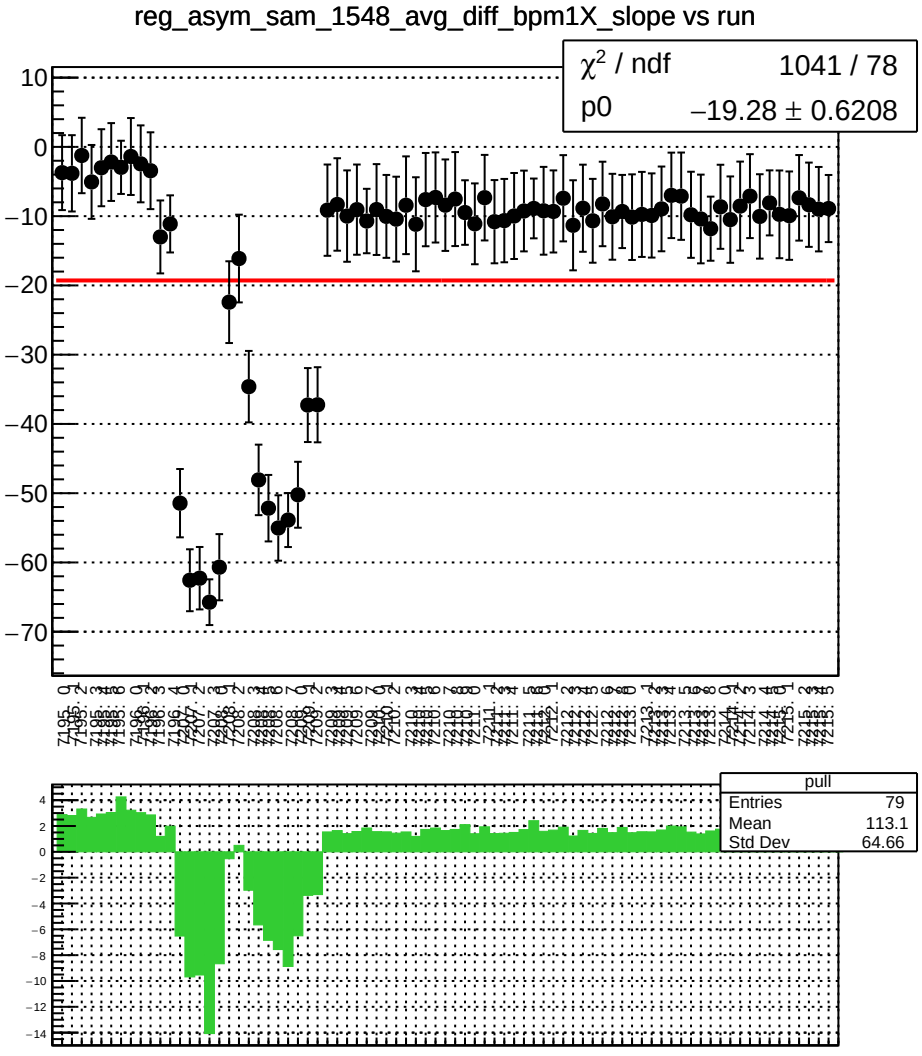

pull1D
Entries 79
Mean 0.986
Std Dev 2.374

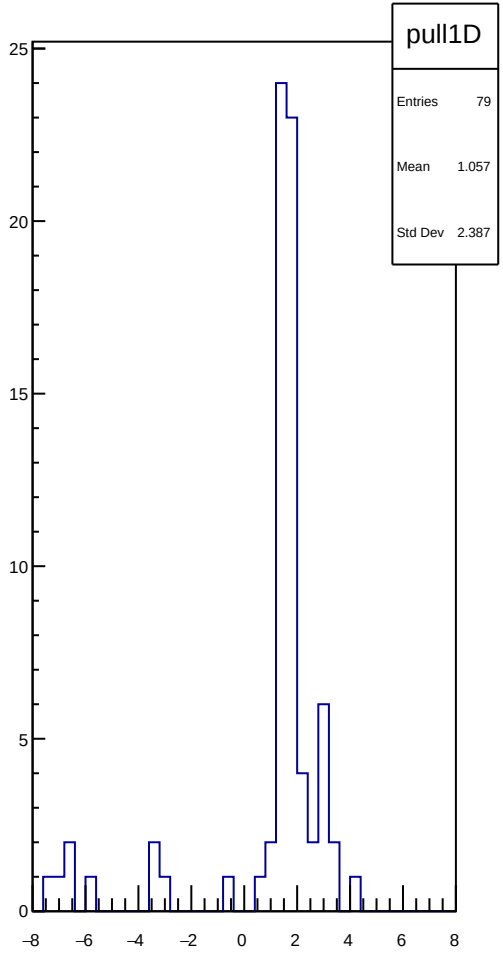

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 224 / 78
p0 −64.72 ± 0.3806
pull
Entries 79
Mean 485.2
Std Dev 440.8

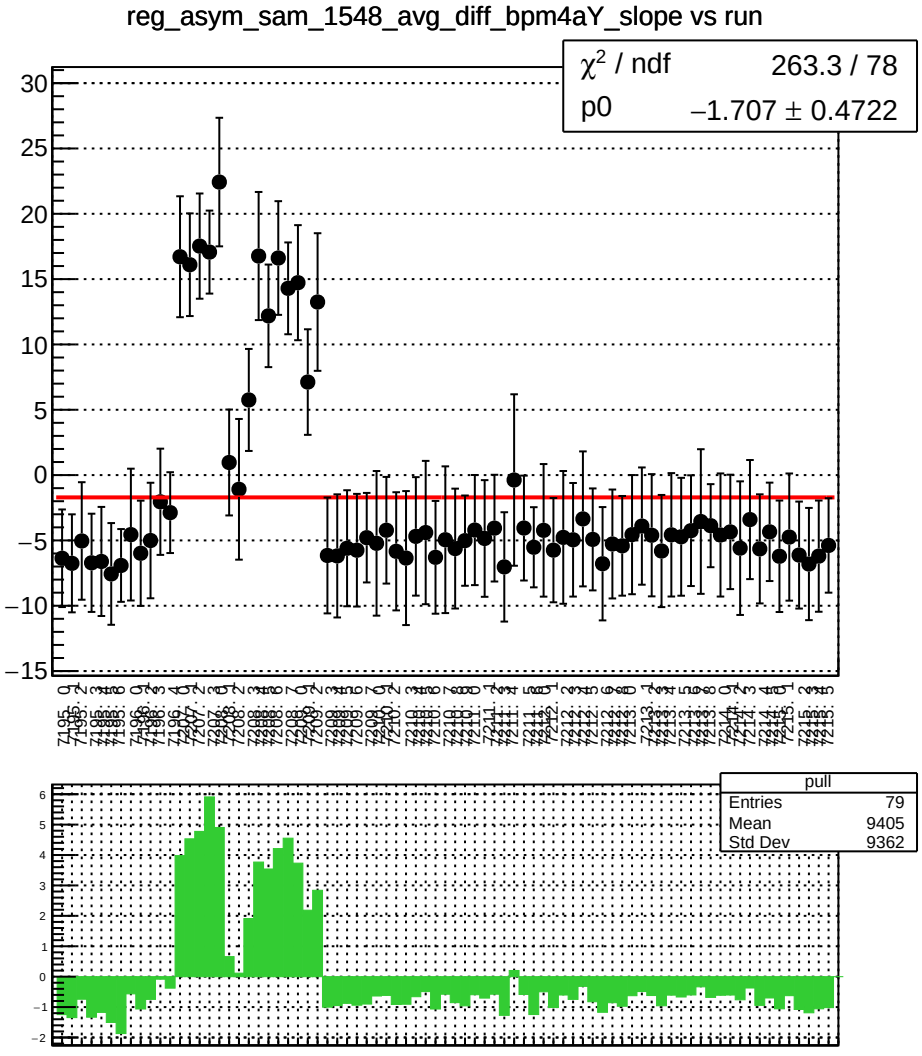

pull1D
Entries 79
Mean −0.02674
Std Dev 1.684

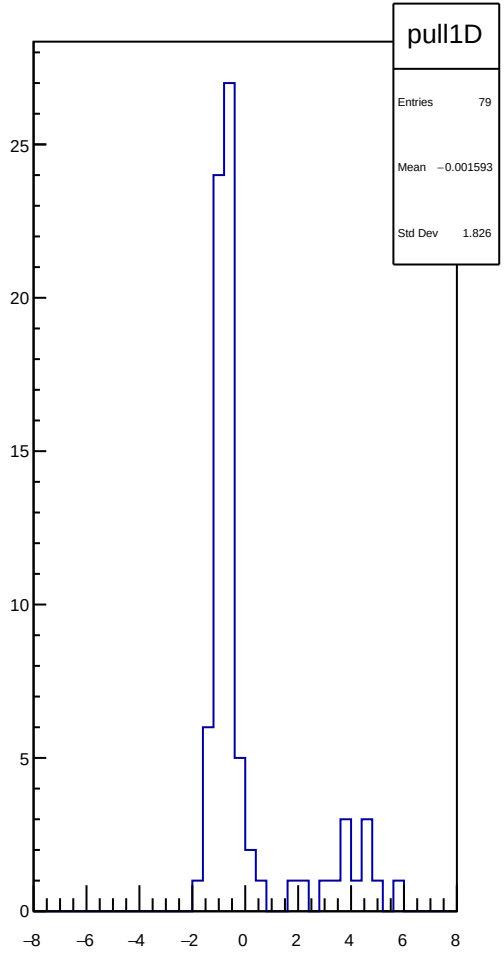

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 214.4 / 78
p0 0.4235 ± 0.01594
pull
Entries 79
Mean 198
Std Dev 170.4

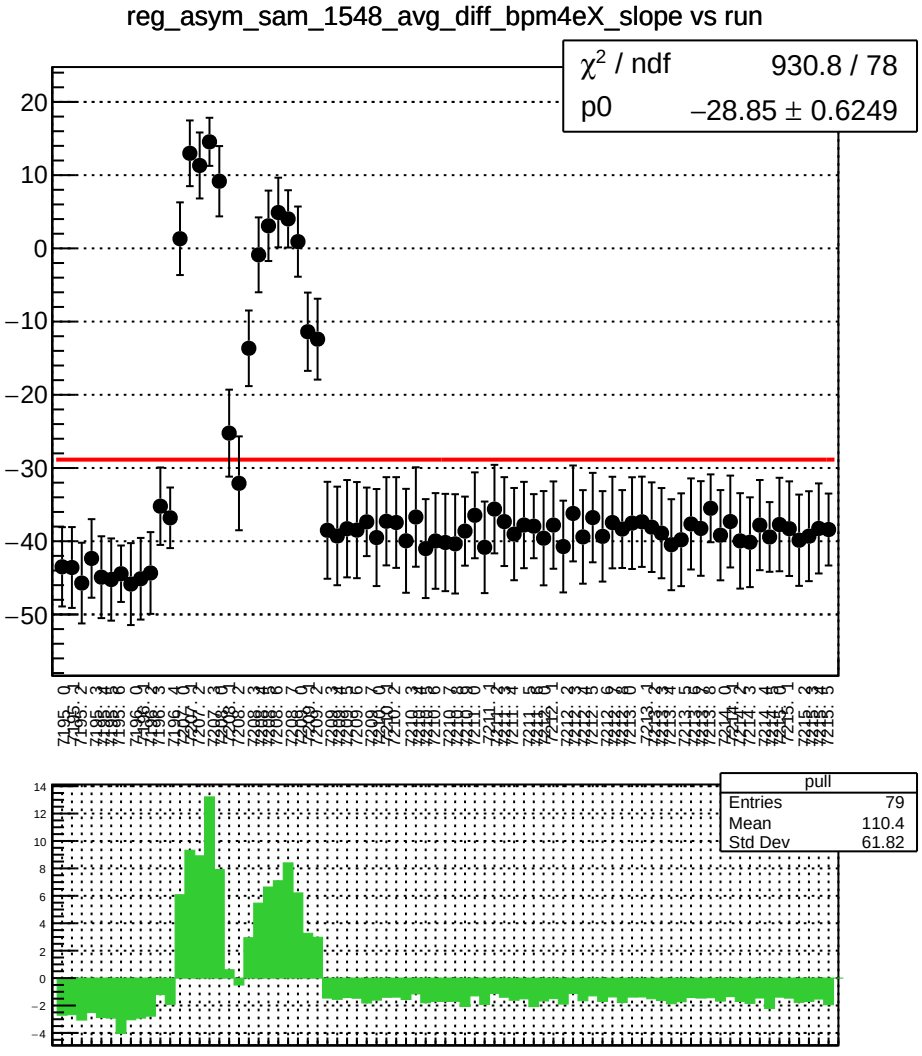

pull1D
Entries 79
Mean 0.09208
Std Dev 1.645

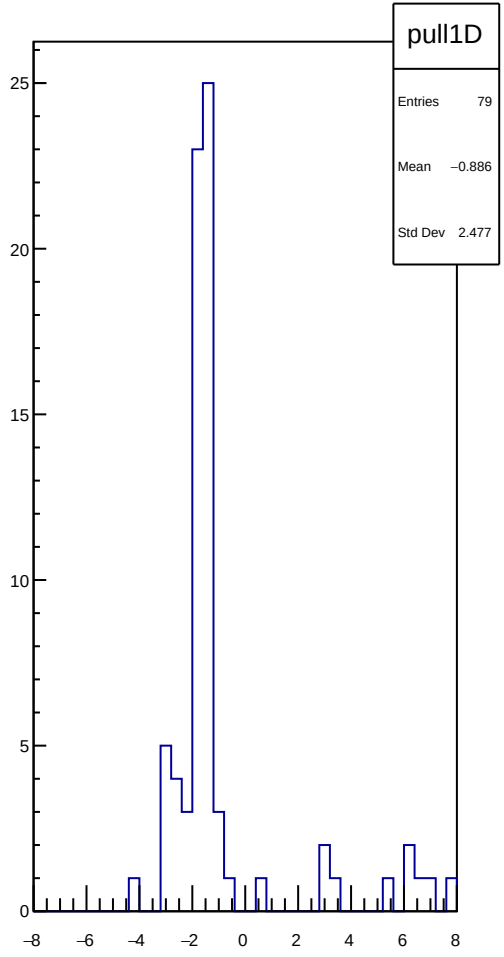

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1041 / 78
p0 −19.28 ± 0.6208
pull
Entries 79
Mean 113.1
Std Dev 64.66

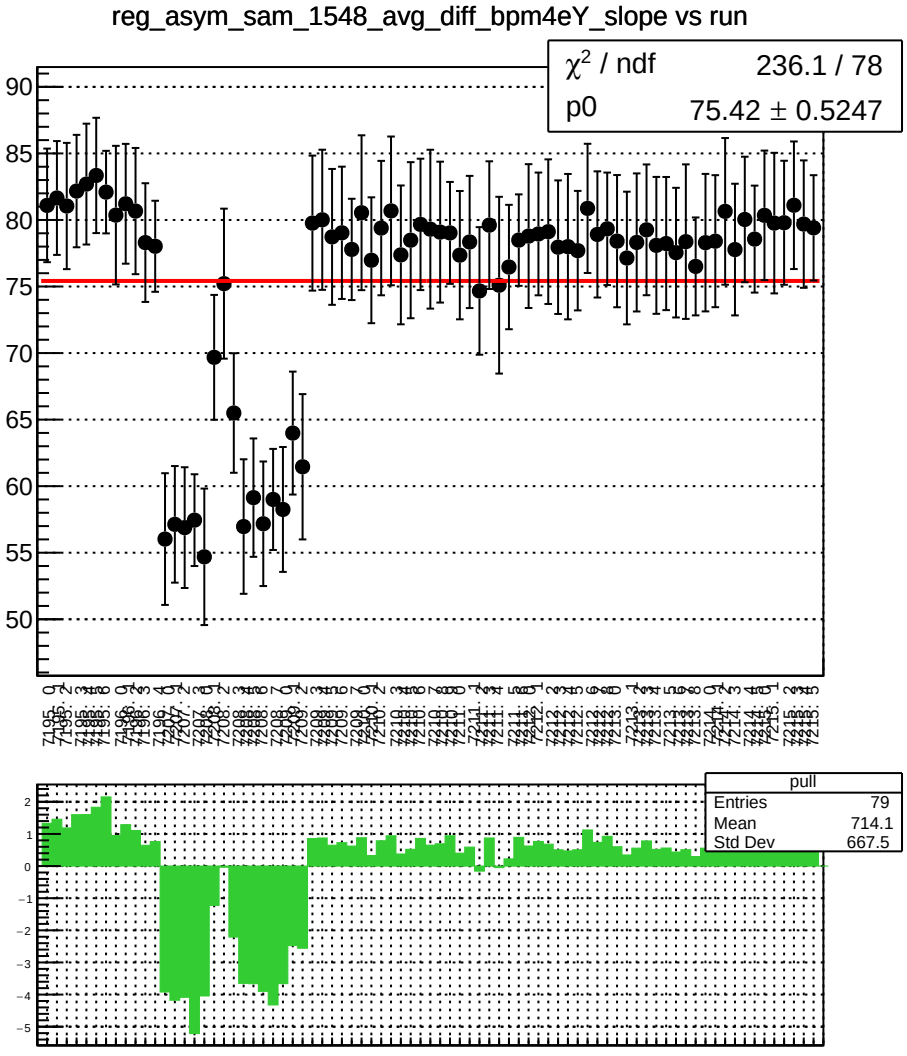

pull1D
Entries 79
Mean 1.057
Std Dev 2.387

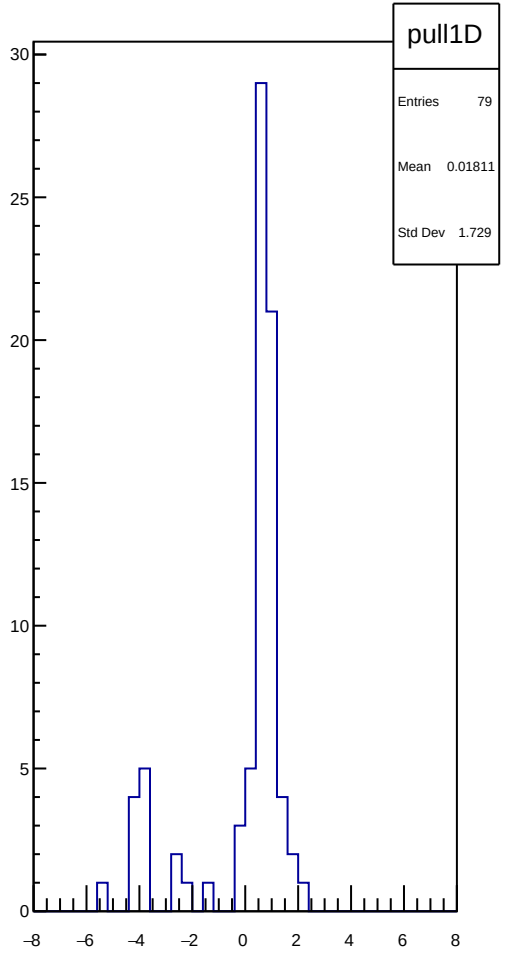

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 263.3 / 78
p0 −1.707 ± 0.4722
pull
Entries 79
Mean 9405
Std Dev 9362

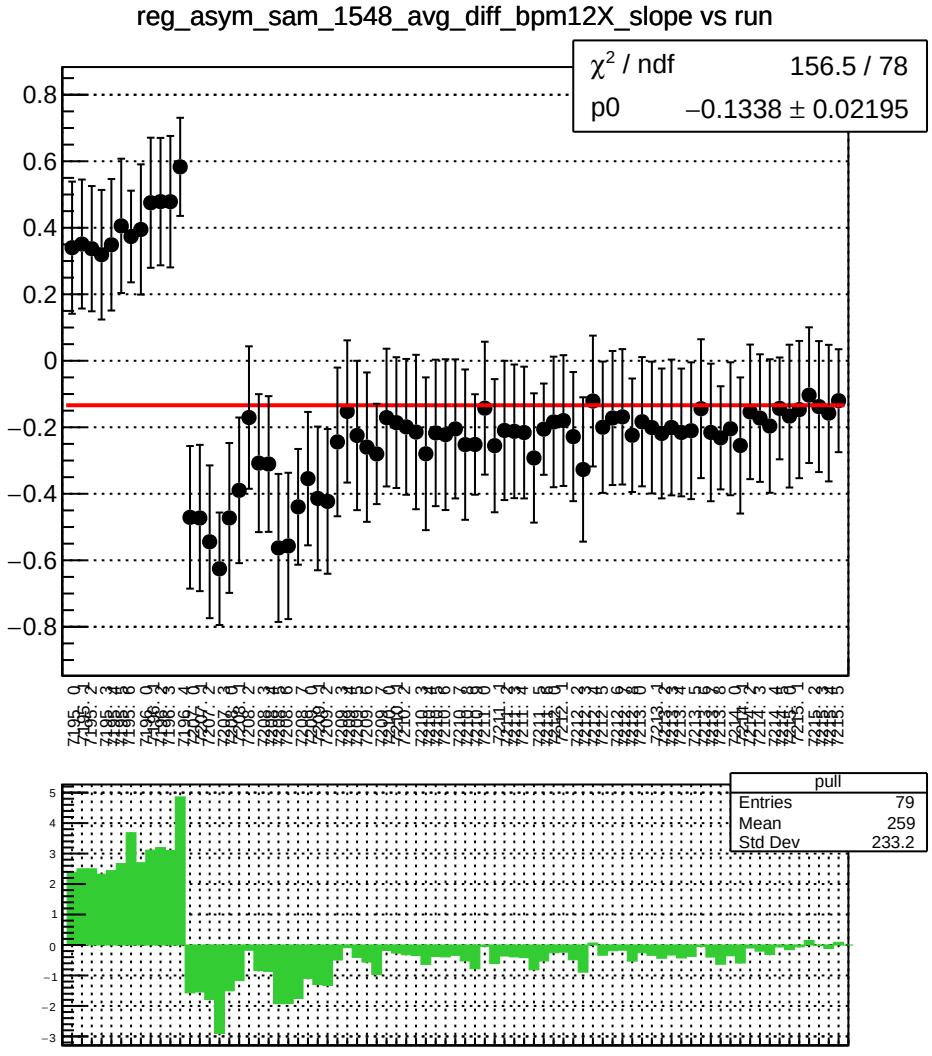

pull1D
Entries 79
Mean −0.001593
Std Dev 1.826

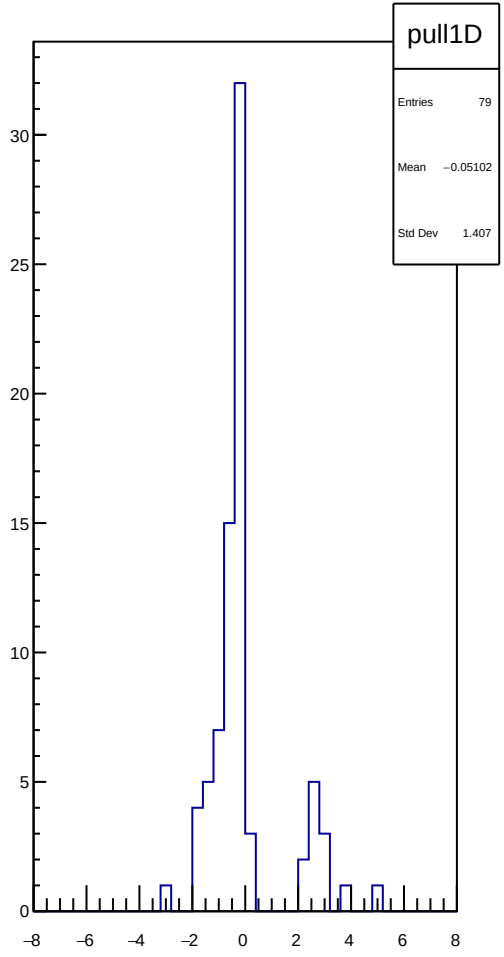

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 930.8 / 78
p0 −28.85 ± 0.6249
pull
Entries 79
Mean 110.4
Std Dev 61.82

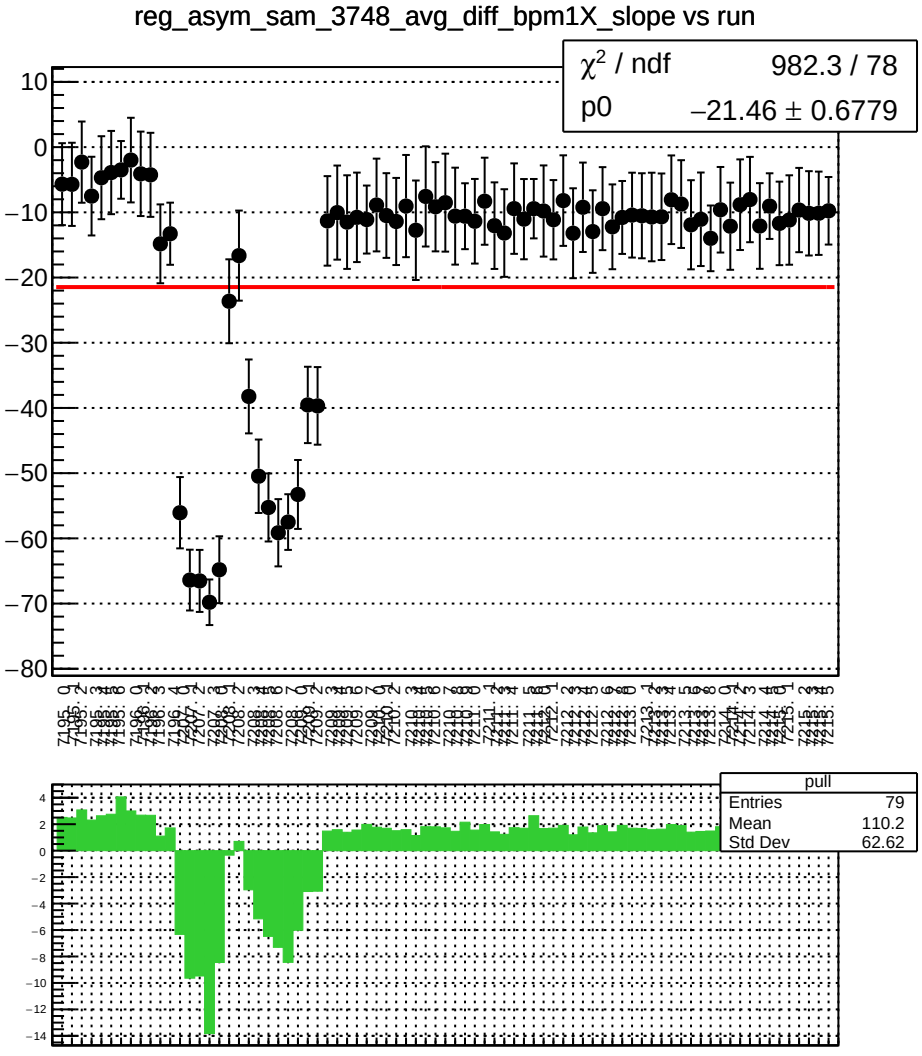

pull1D
Entries 79
Mean −0.886
Std Dev 2.477

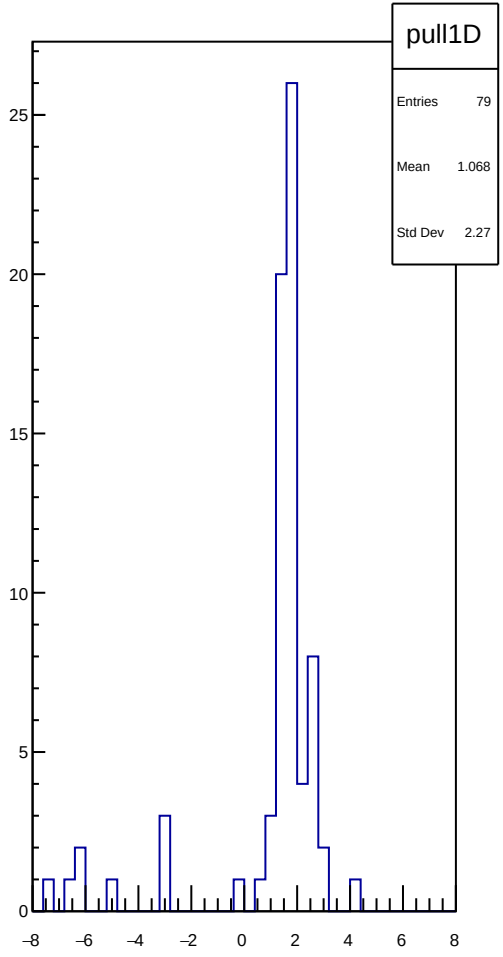

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 236.1 / 78
p0 75.42 ± 0.5247
pull
Entries 79
Mean 714.1
Std Dev 667.5

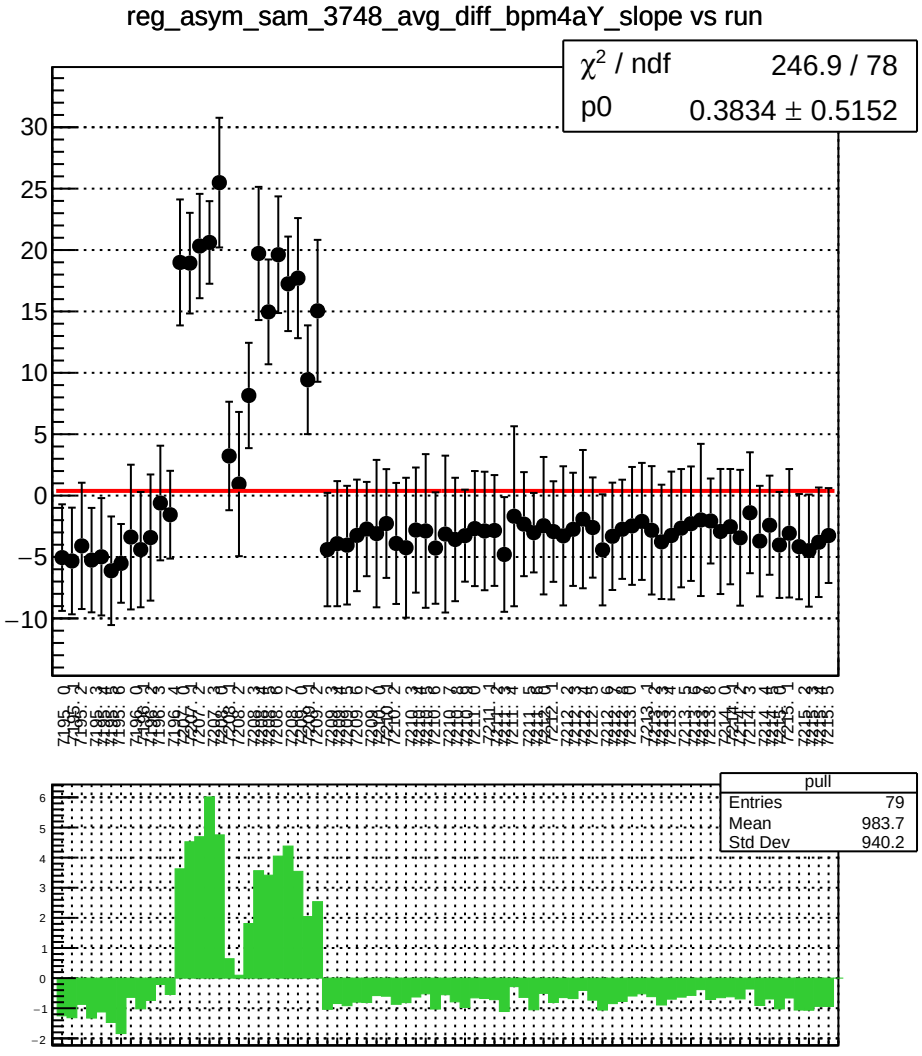

pull1D
Entries 79
Mean 0.01811
Std Dev 1.729

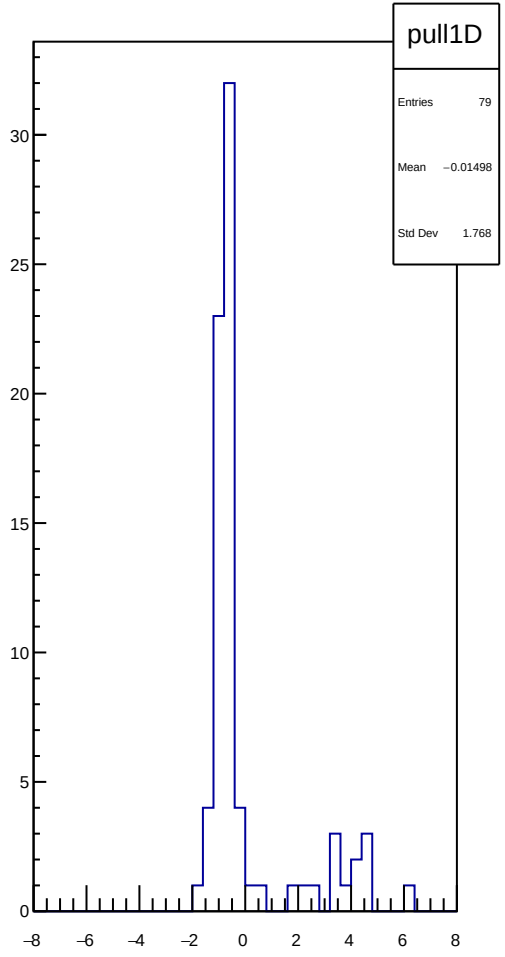

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 156.5 / 78
p0 −0.1338 ± 0.02195
pull
Entries 79
Mean 259
Std Dev 233.2

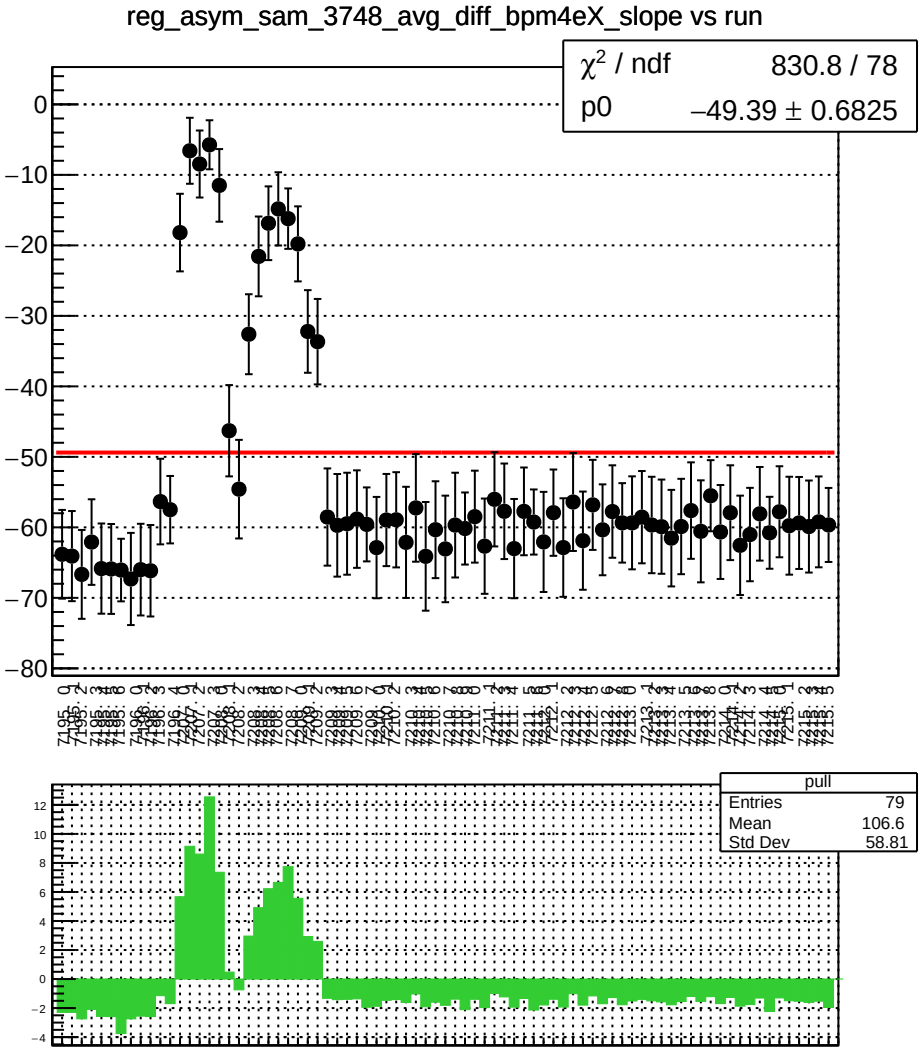

pull1D
Entries 79
Mean −0.05102
Std Dev 1.407

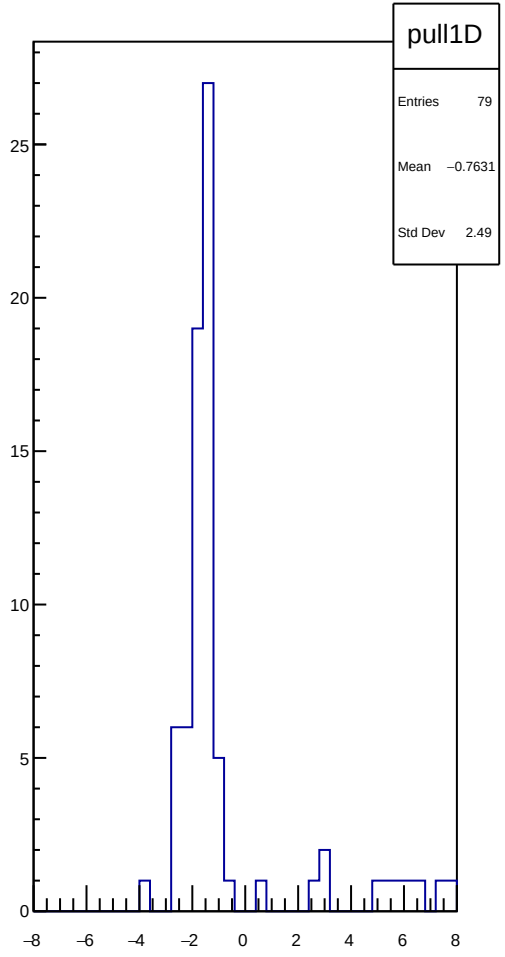

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 982.3 / 78
p0 −21.46 ± 0.6779
pull
Entries 79
Mean 110.2
Std Dev 62.62

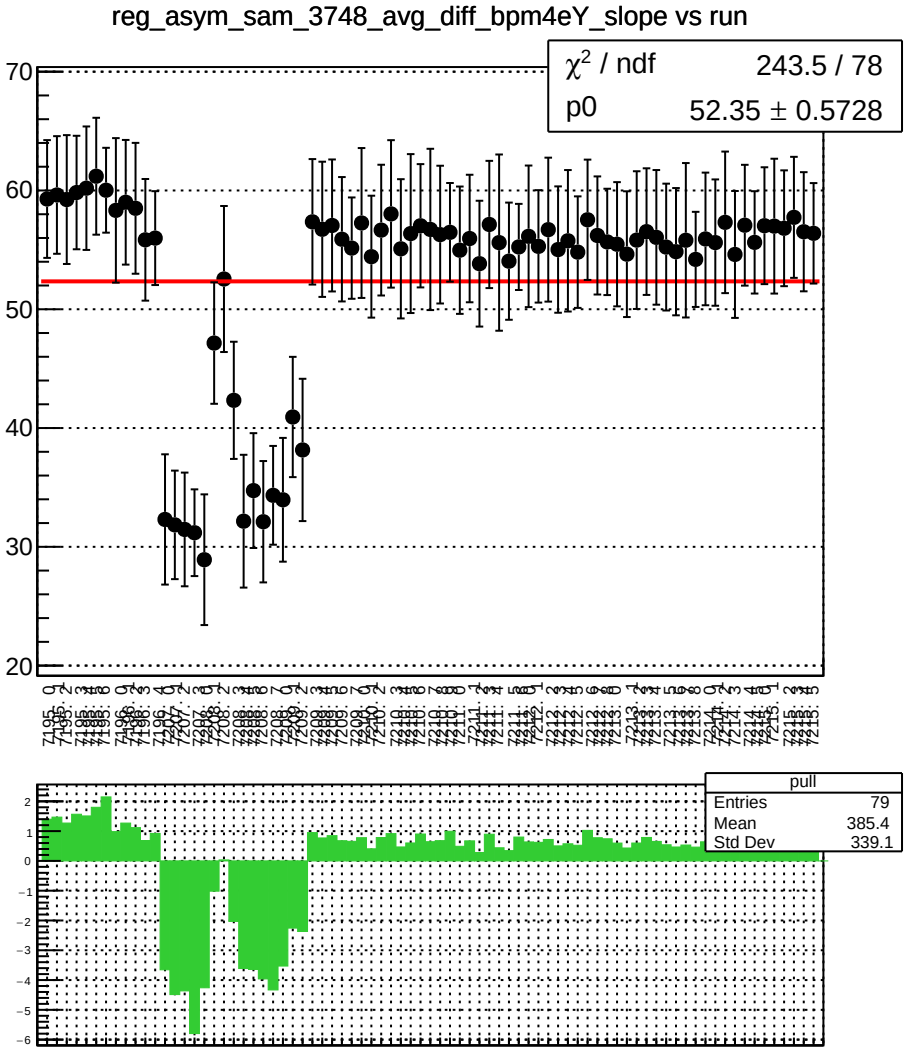

pull1D
Entries 79
Mean 1.068
Std Dev 2.27

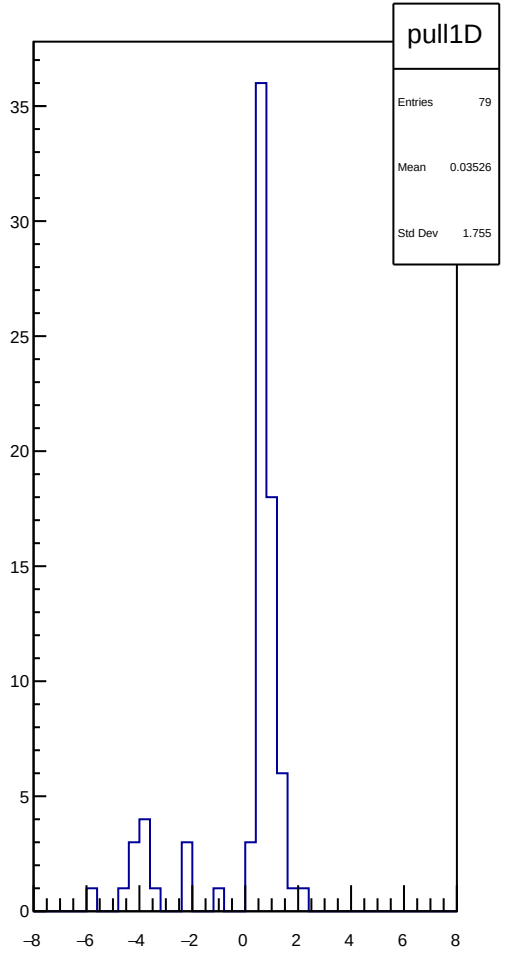

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 246.9 / 78
p0 0.3834 ± 0.5152
pull
Entries 79
Mean 983.7
Std Dev 940.2

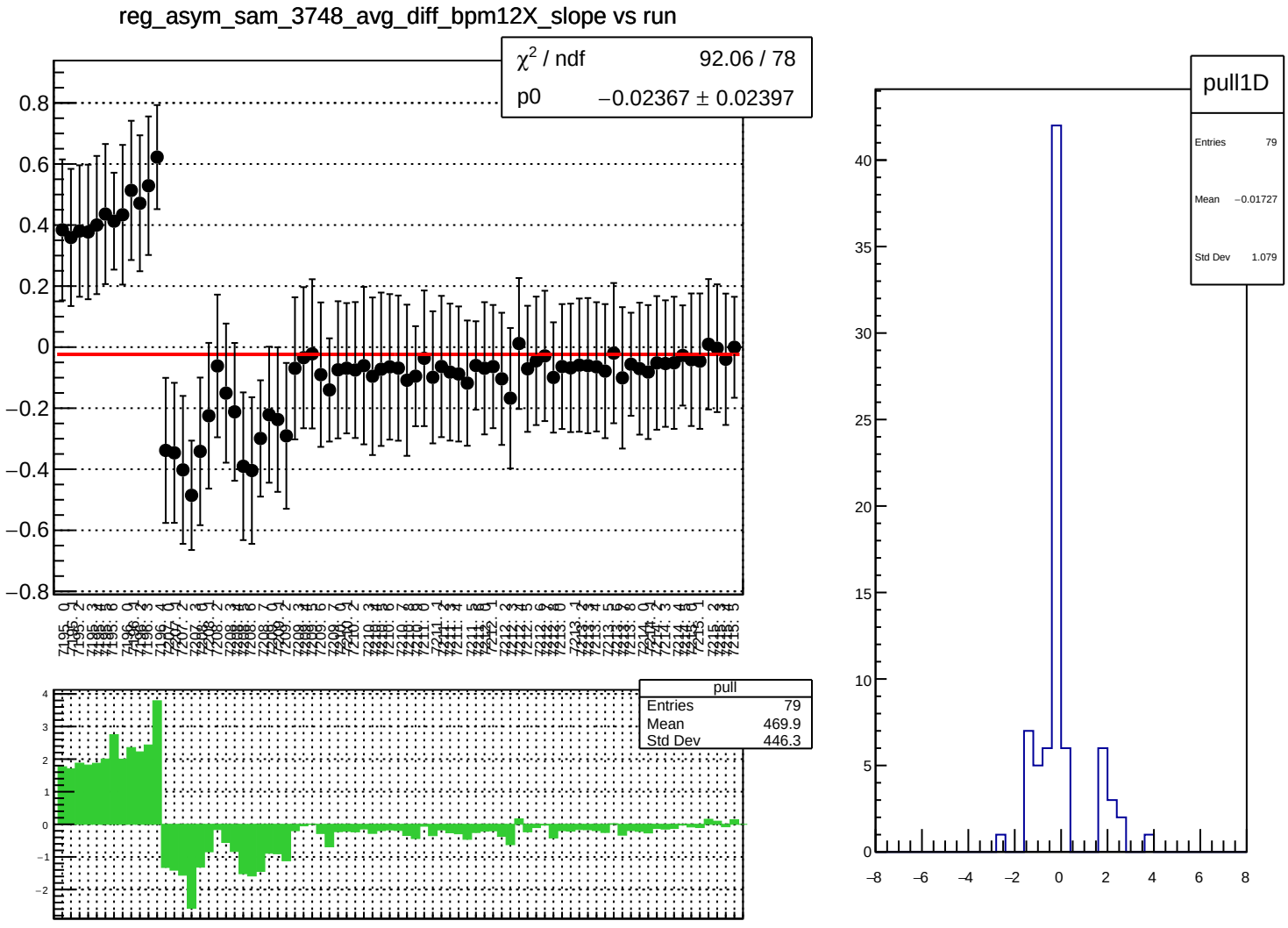

pull1D
Entries 79
Mean −0.01498
Std Dev 1.768

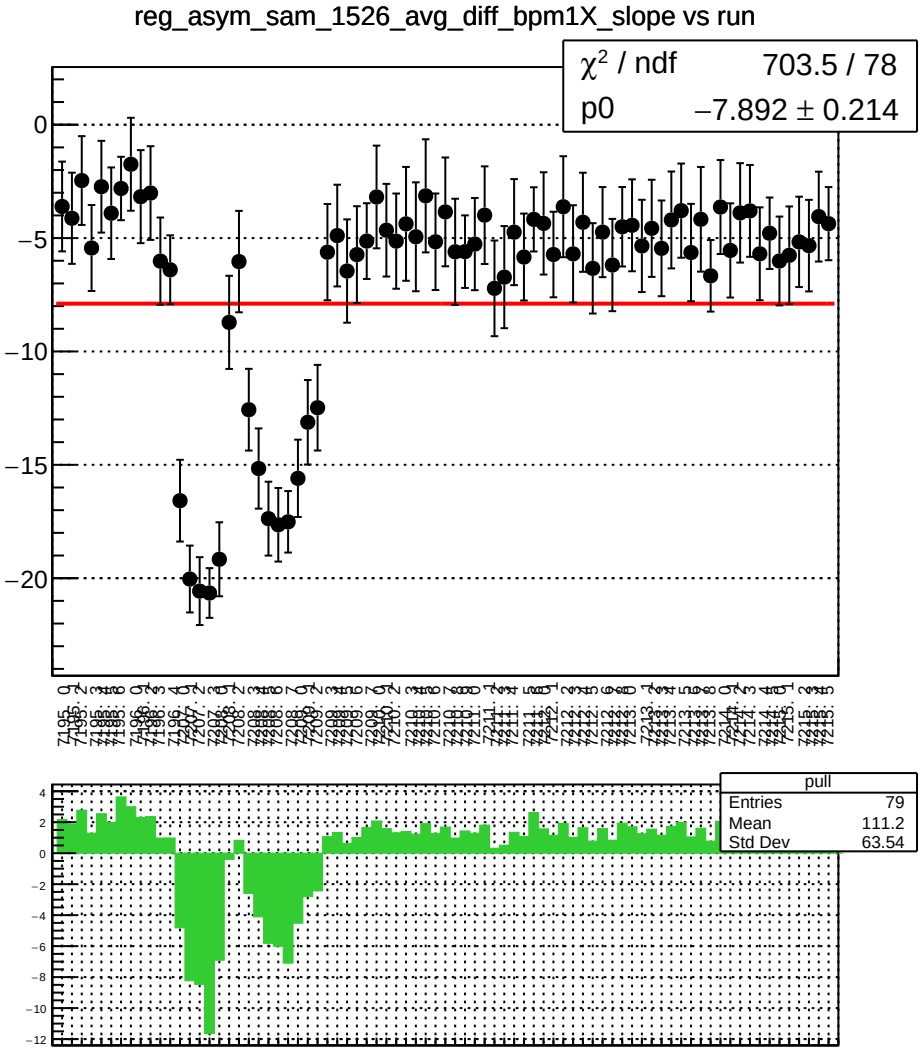

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 830.8 / 78
p0 −49.39 ± 0.6825
pull
Entries 79
Mean 106.6
Std Dev 58.81

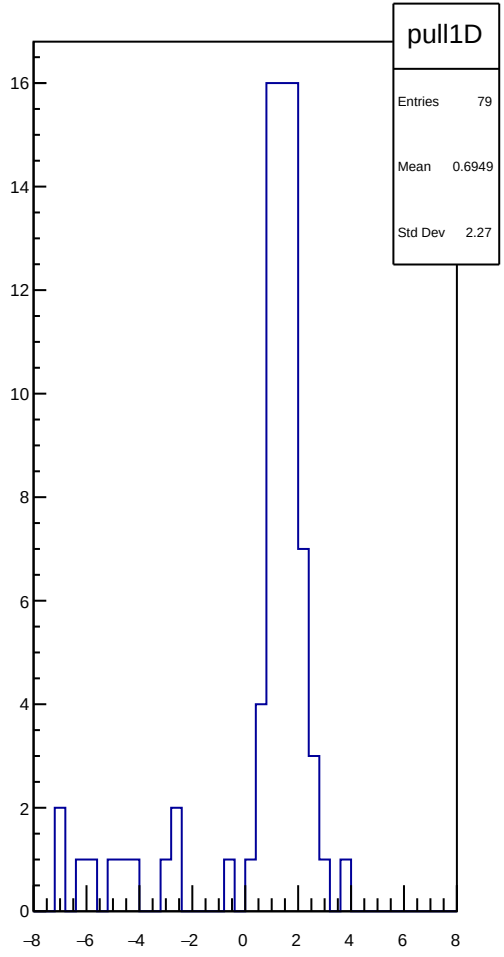

pull1D
Entries 79
Mean −0.7631
Std Dev 2.49

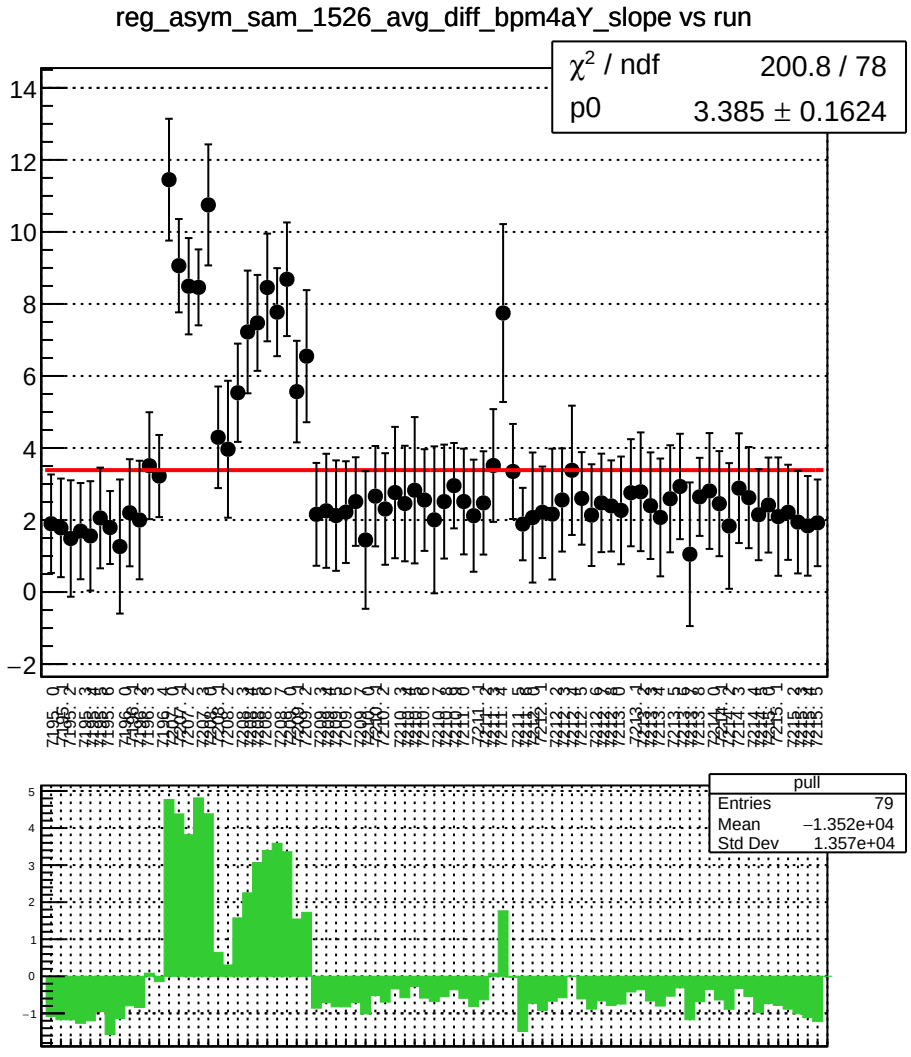

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 243.5 / 78
p0 52.35 ± 0.5728
pull
Entries 79
Mean 385.4
Std Dev 339.1

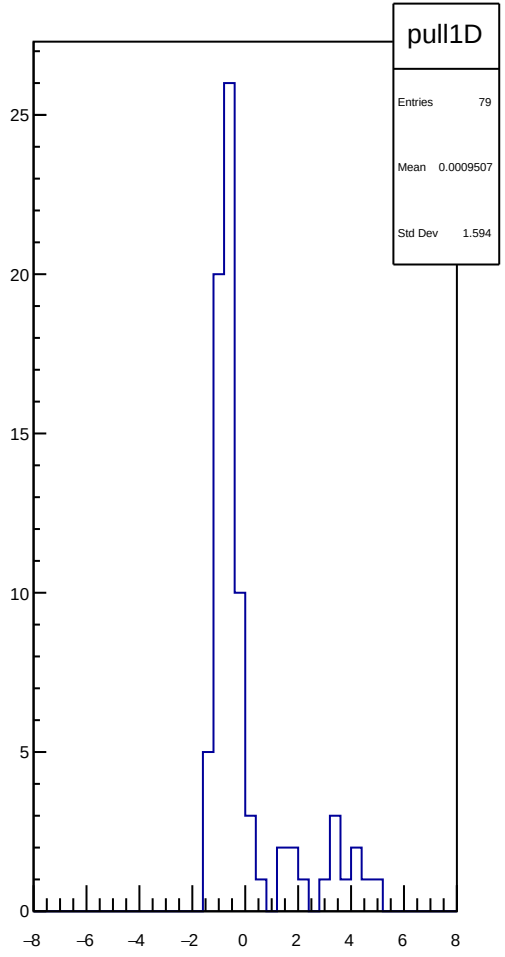

pull1D
Entries 79
Mean 0.03526
Std Dev 1.755

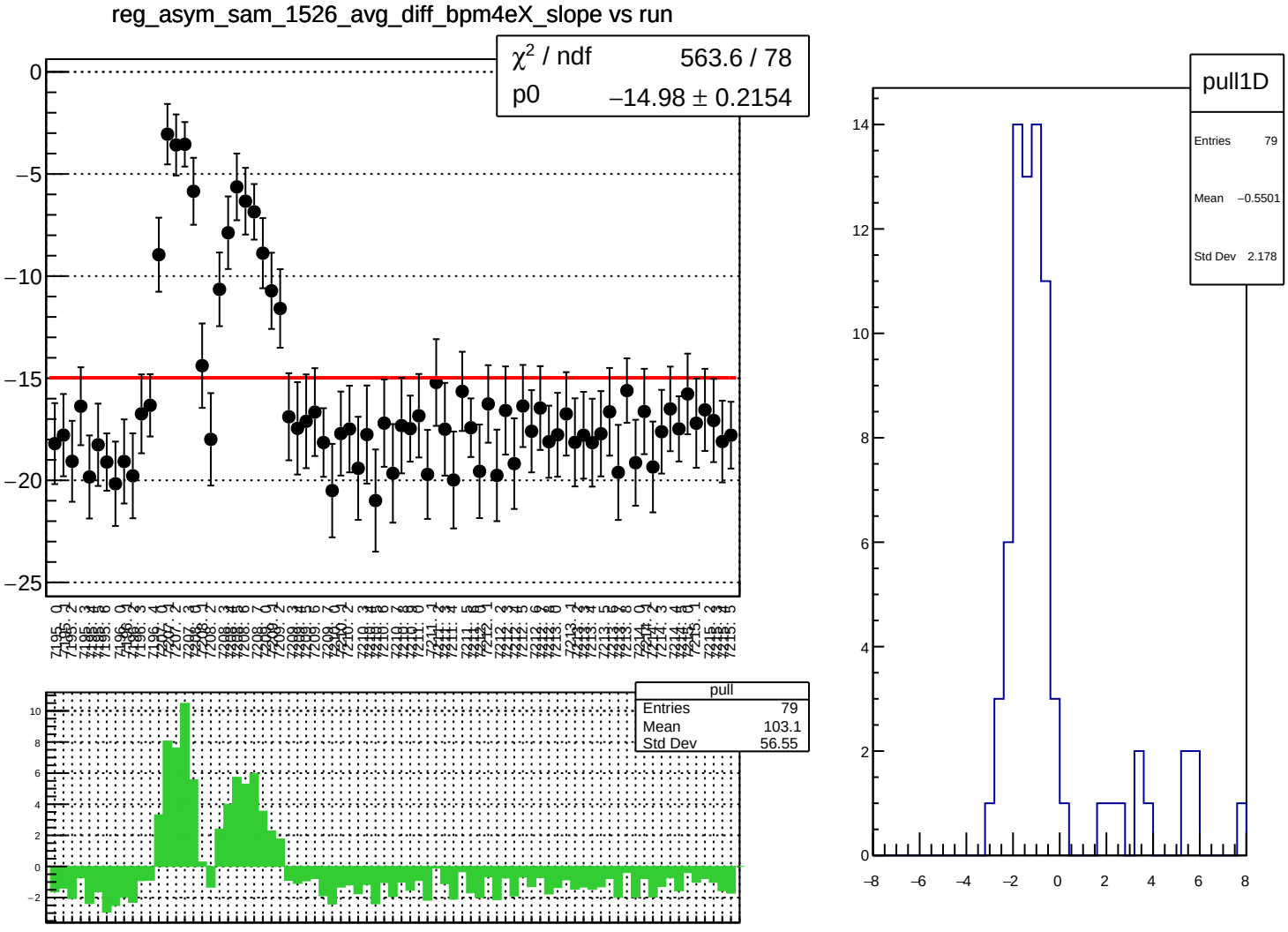

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 92.06 / 78
p0 −0.02367 ± 0.02397
pull
Entries 79
Mean 469.9
Std Dev 446.3
pull1D
Entries 79
Mean −0.01727
Std Dev 1.079

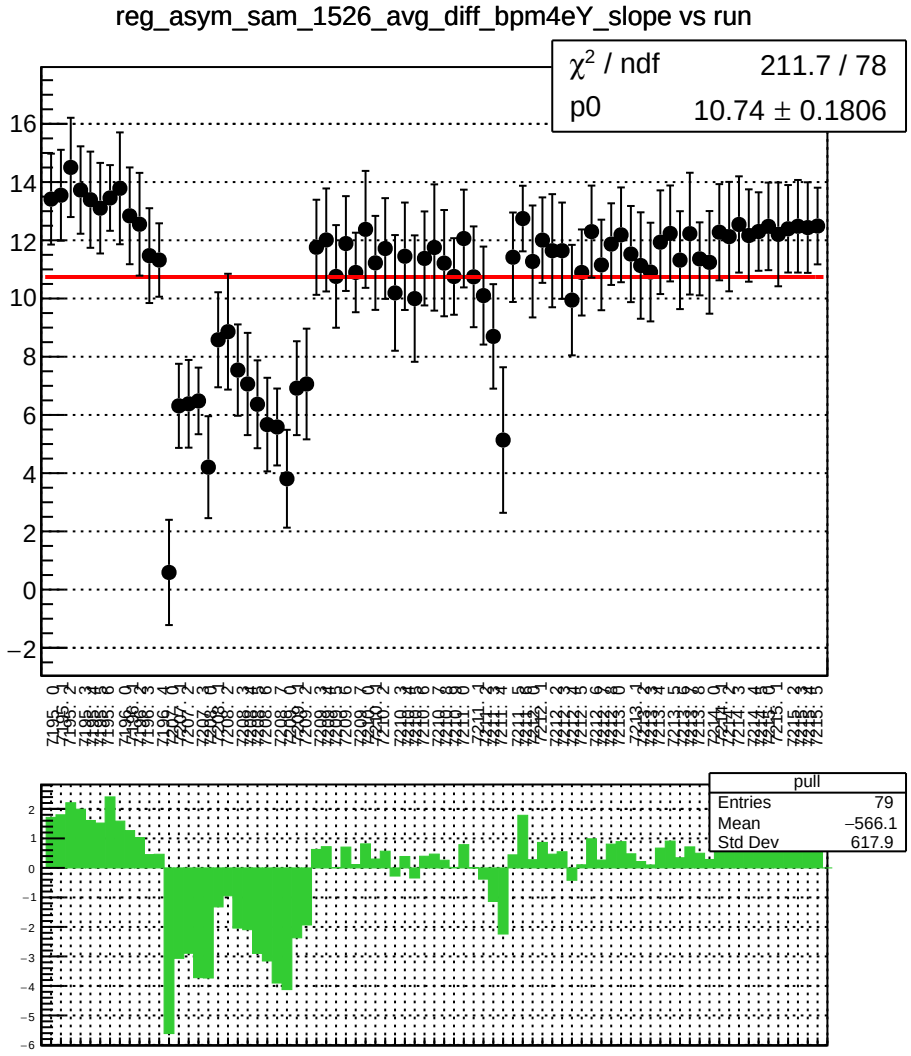

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 703.5 / 78
p0 −7.892 ± 0.214
pull
Entries 79
Mean 111.2
Std Dev 63.54

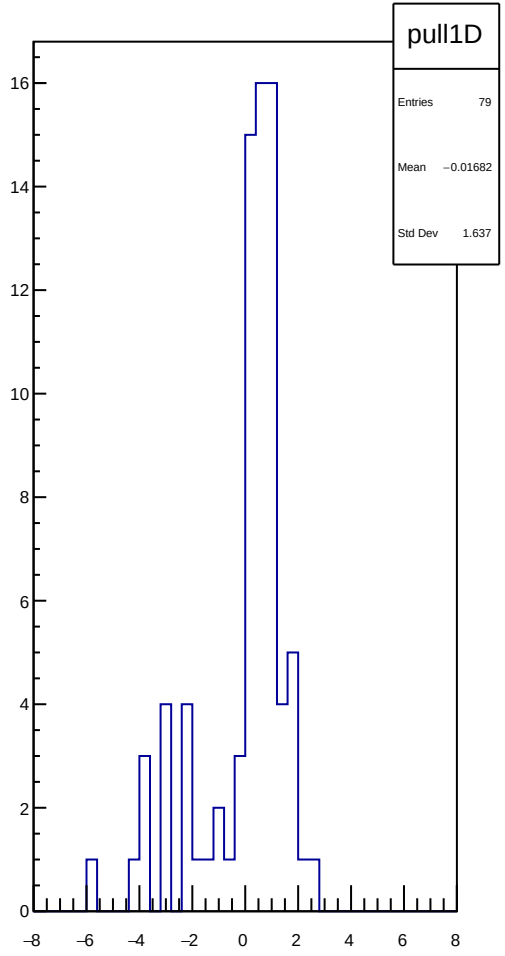

pull1D
Entries 79
Mean 0.6949
Std Dev 2.27

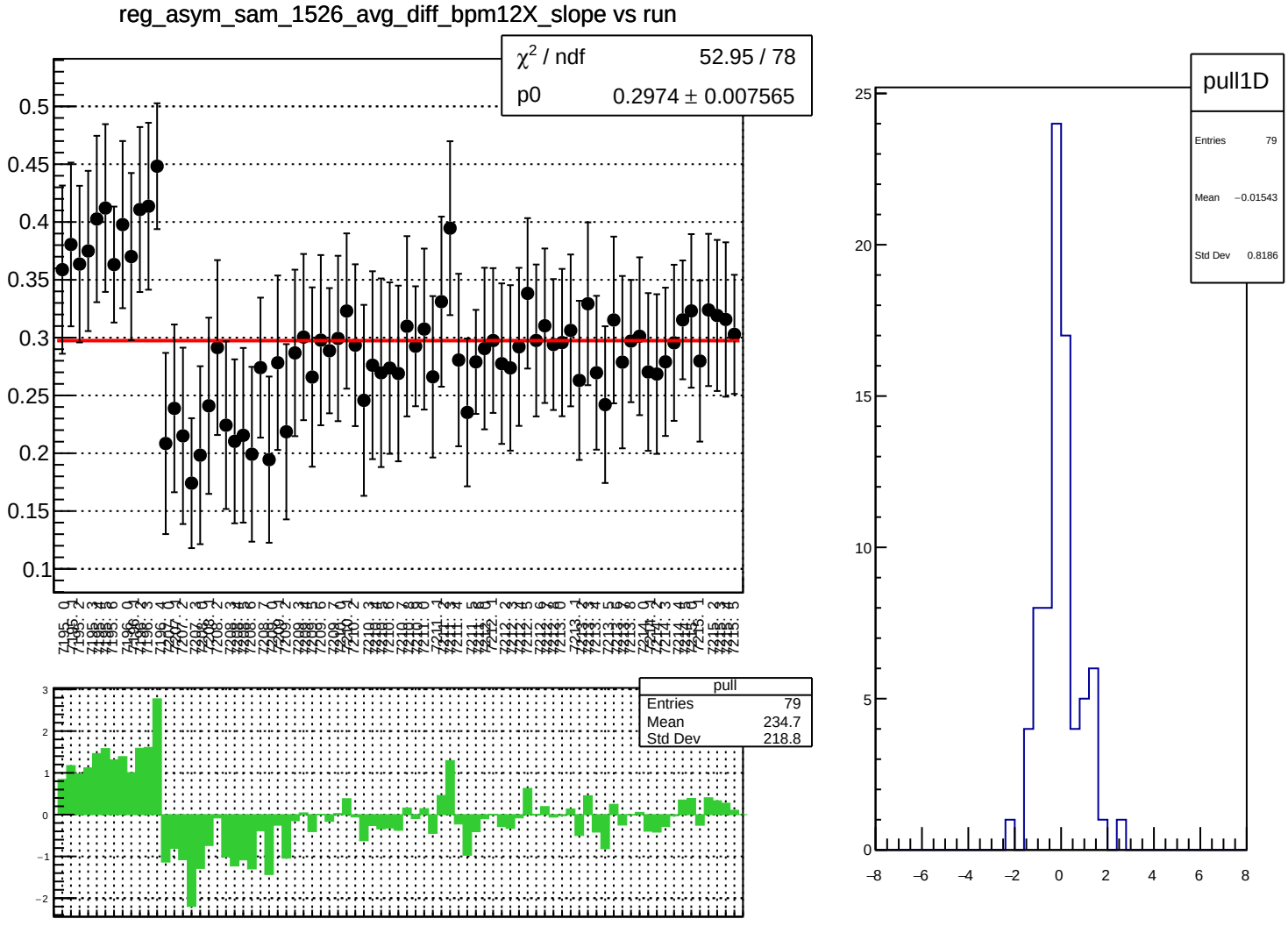

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 200.8 / 78
p0 3.385 ± 0.1624
pull
Entries 79
Mean −1.352e+04
Std Dev 1.357e+04

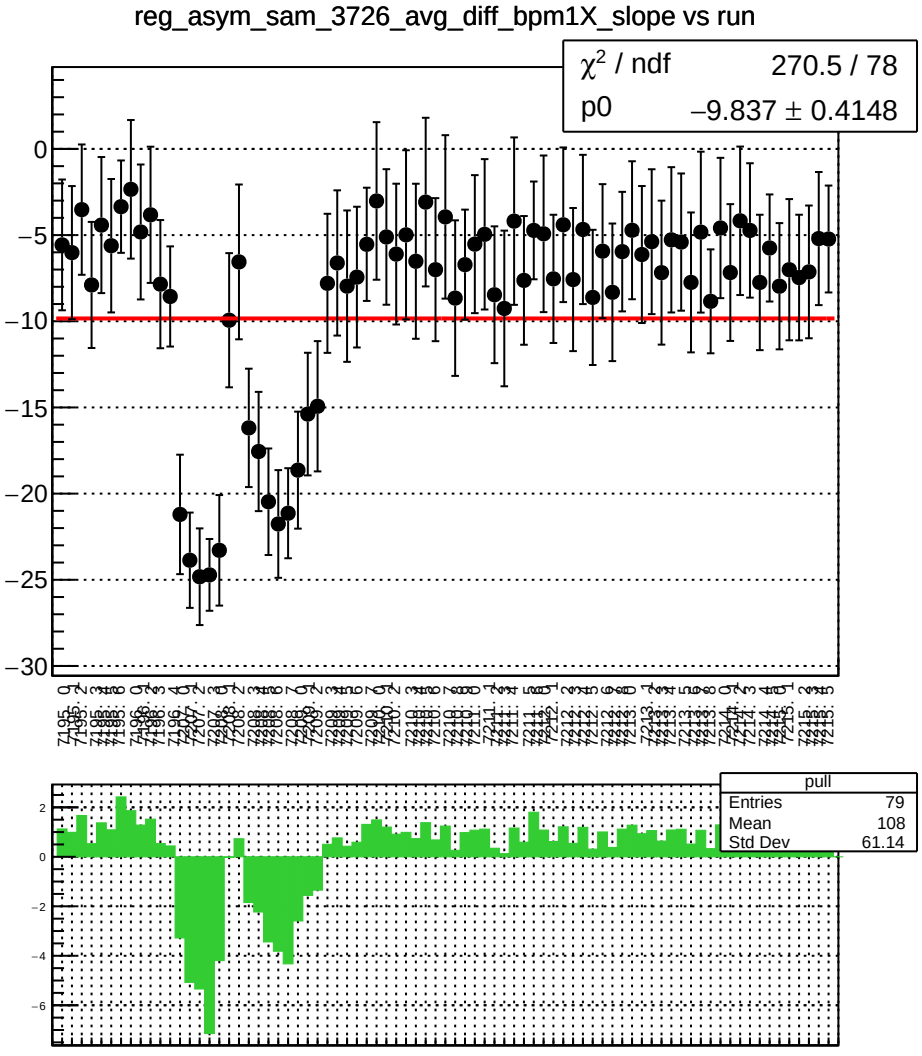

pull1D
Entries 79
Mean 0.0009507
Std Dev 1.594

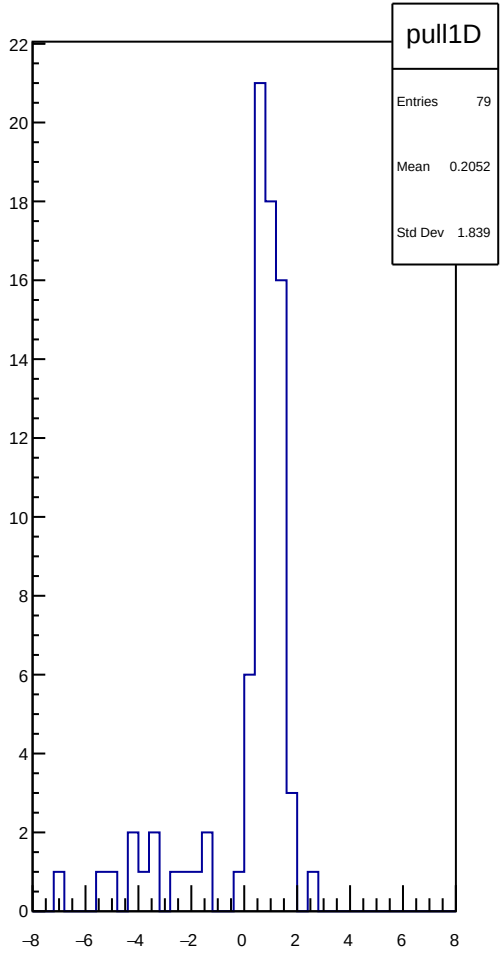

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 563.6 / 78
p0 −14.98 ± 0.2154
pull
Entries 79
Mean 103.1
Std Dev 56.55
pull1D
Entries 79
Mean −0.5501
Std Dev 2.178

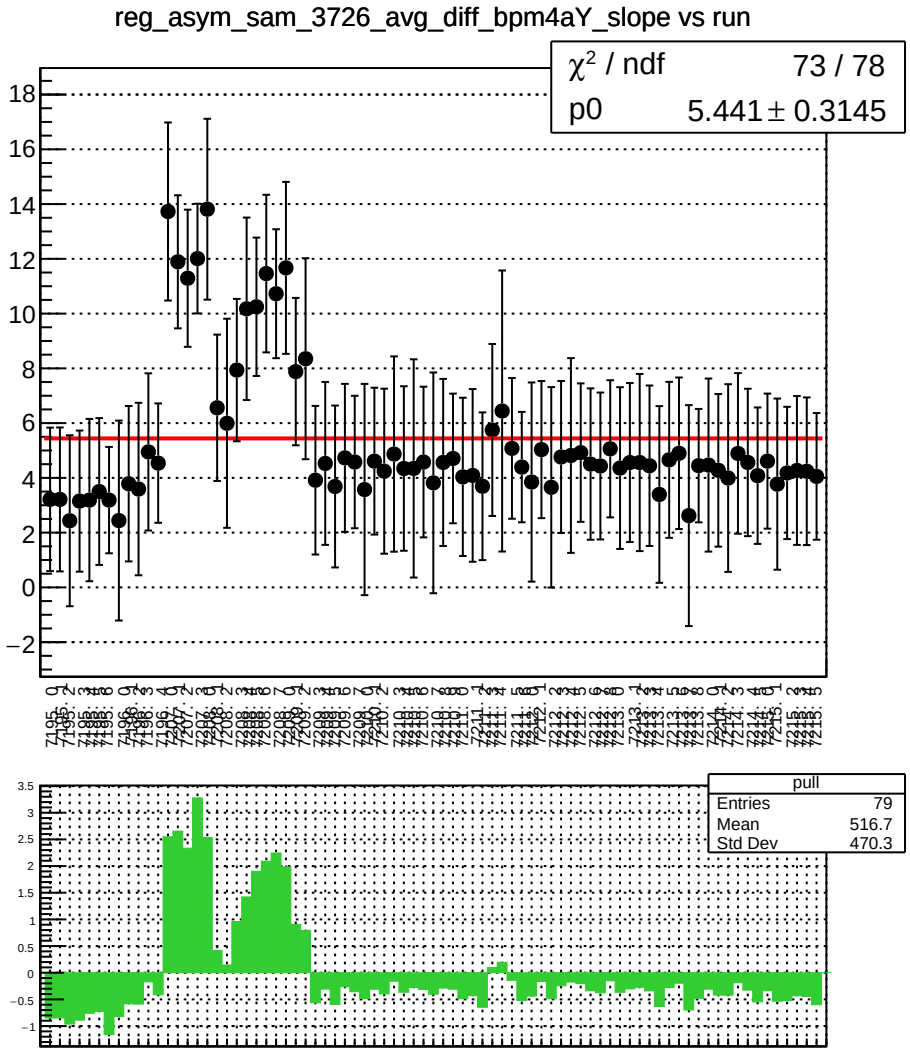

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 211.7 / 78
p0 10.74 ± 0.1806
pull
Entries 79
Mean −566.1
Std Dev 617.9

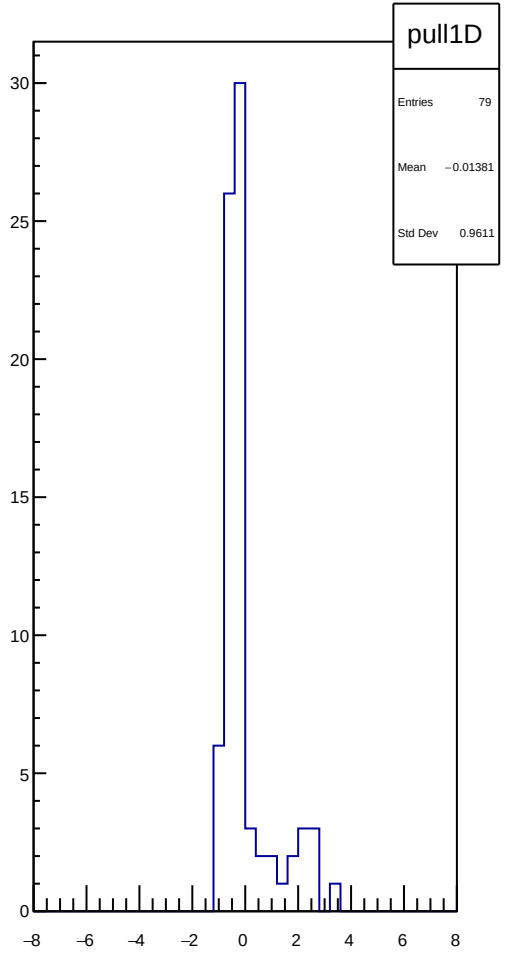

pull1D
Entries 79
Mean −0.01682
Std Dev 1.637

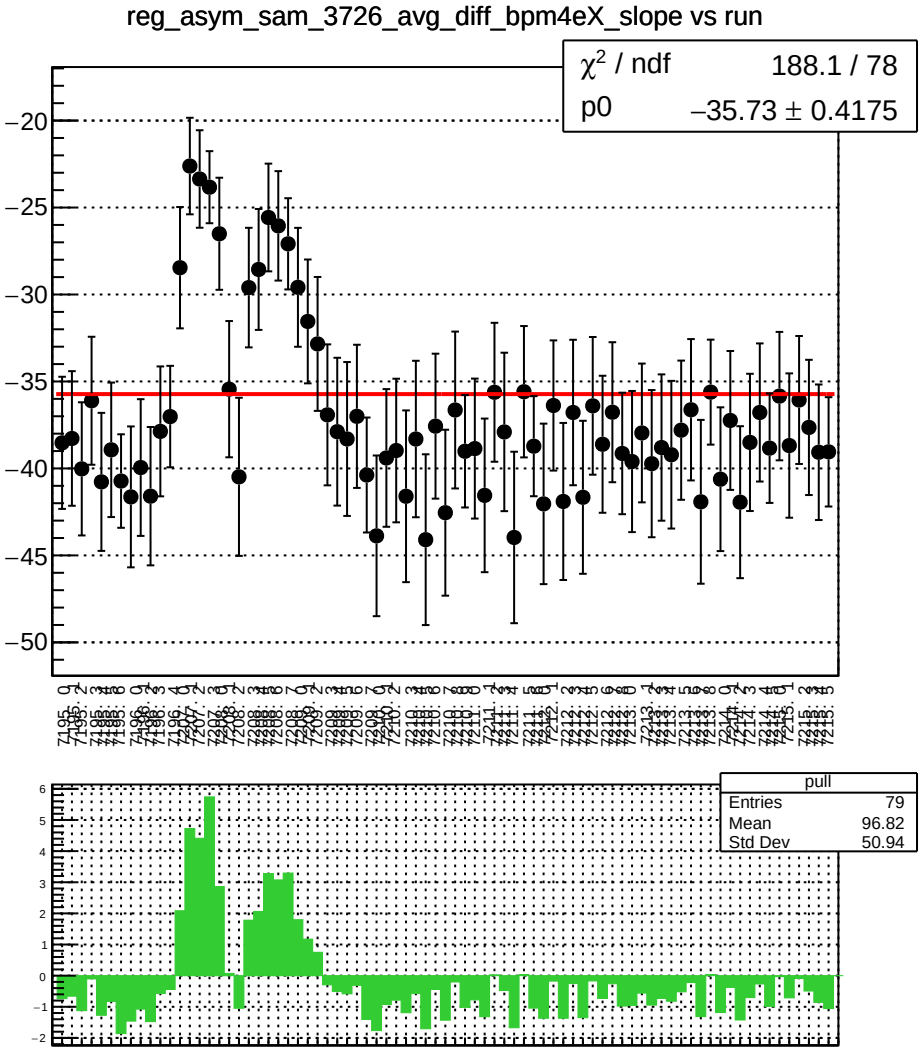

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 52.95 / 78
p0 0.2974 ± 0.007565
pull
Entries 79
Mean 234.7
Std Dev 218.8
pull1D
Entries 79
Mean −0.01543
Std Dev 0.8186

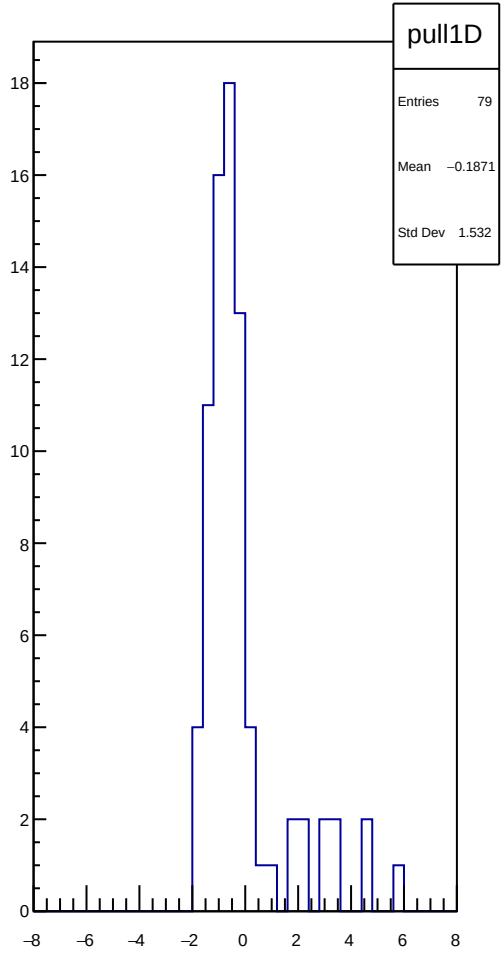

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 270.5 / 78
p0 −9.837 ± 0.4148
pull
Entries 79
Mean 108
Std Dev 61.14

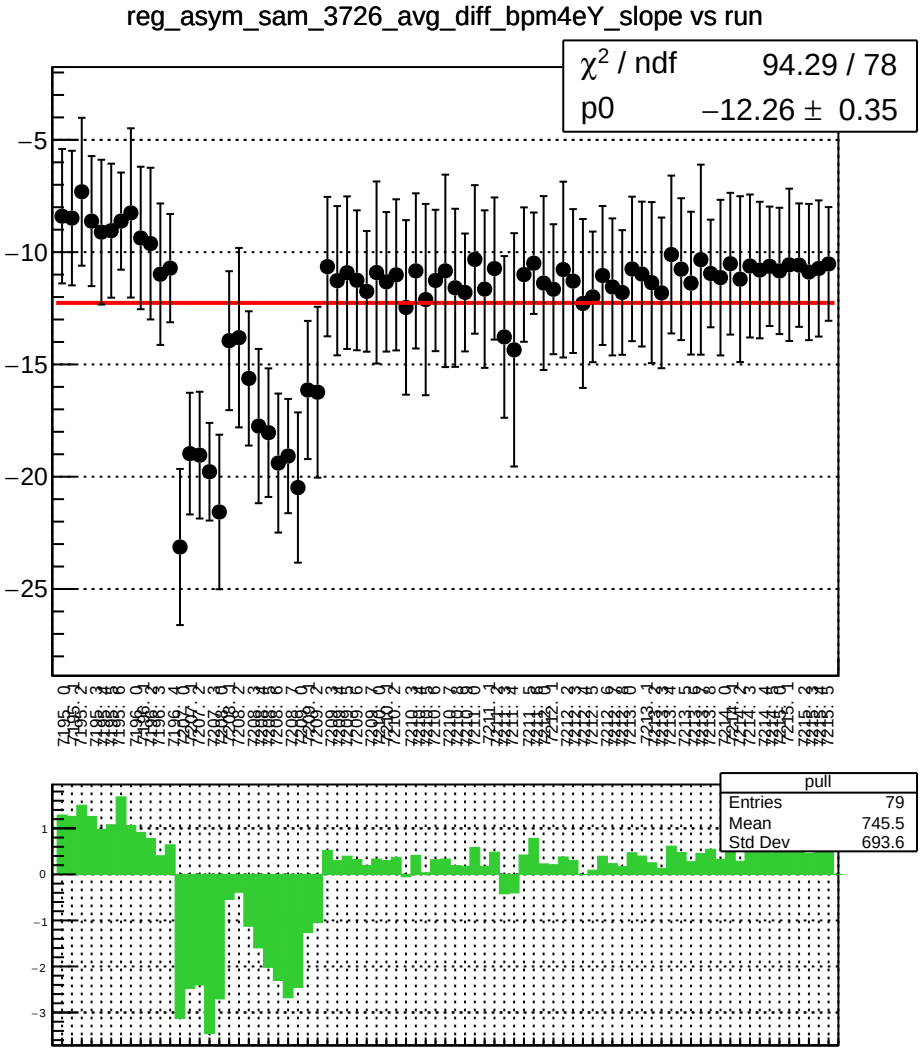

pull1D
Entries 79
Mean 0.2052
Std Dev 1.839

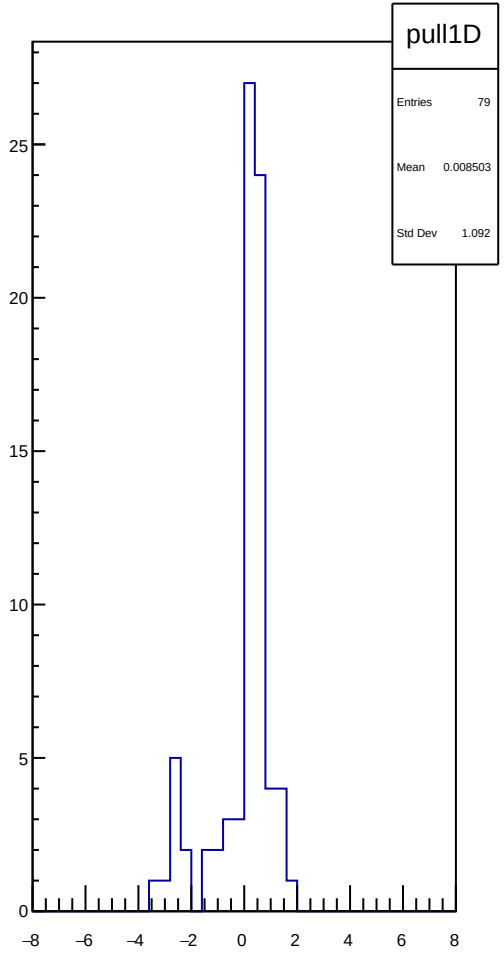

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 73 / 78
p0 5.441 ± 0.3145
pull
Entries 79
Mean 516.7
Std Dev 470.3

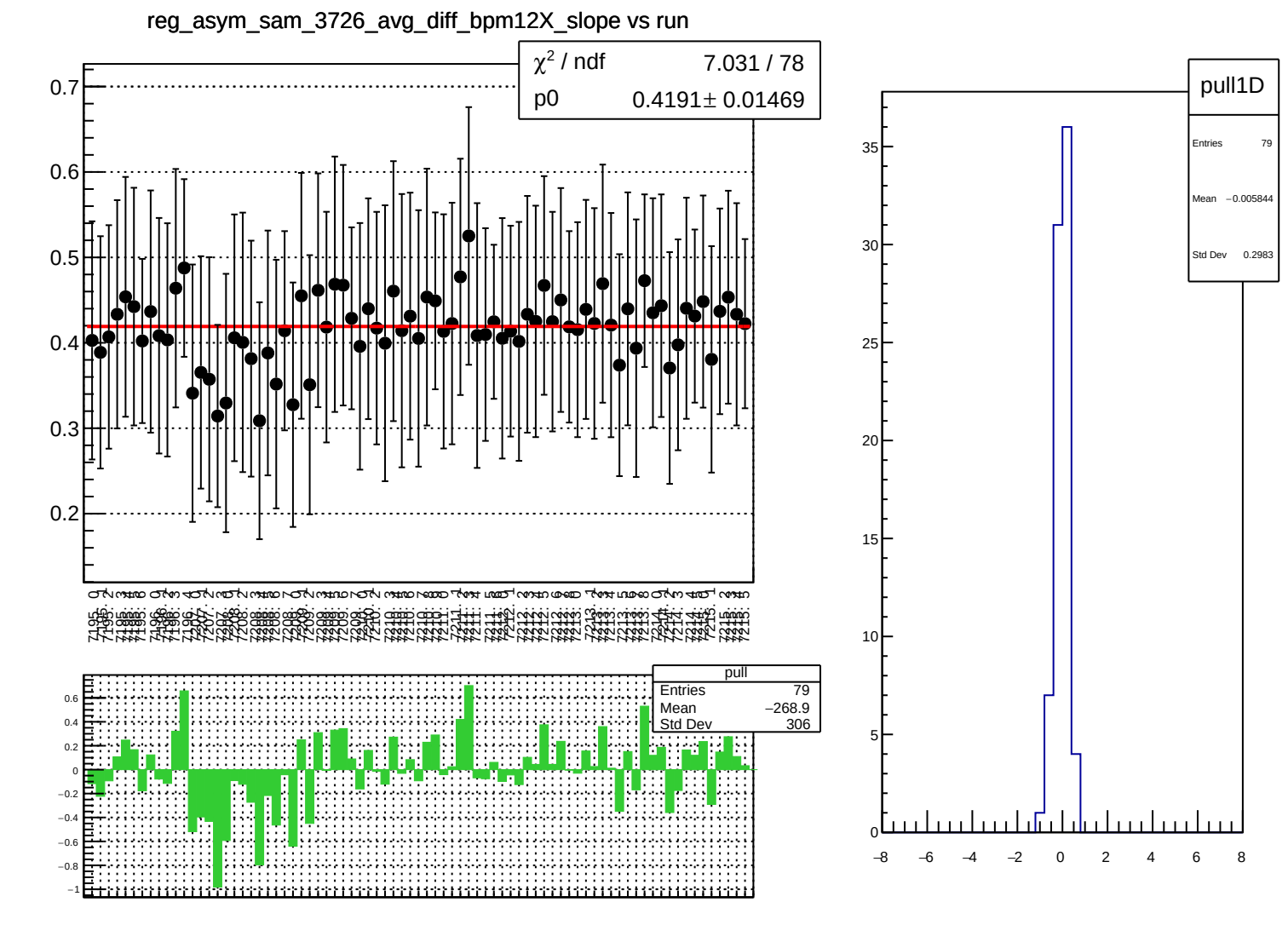

pull1D
Entries 79
Mean −0.01381
Std Dev 0.9611

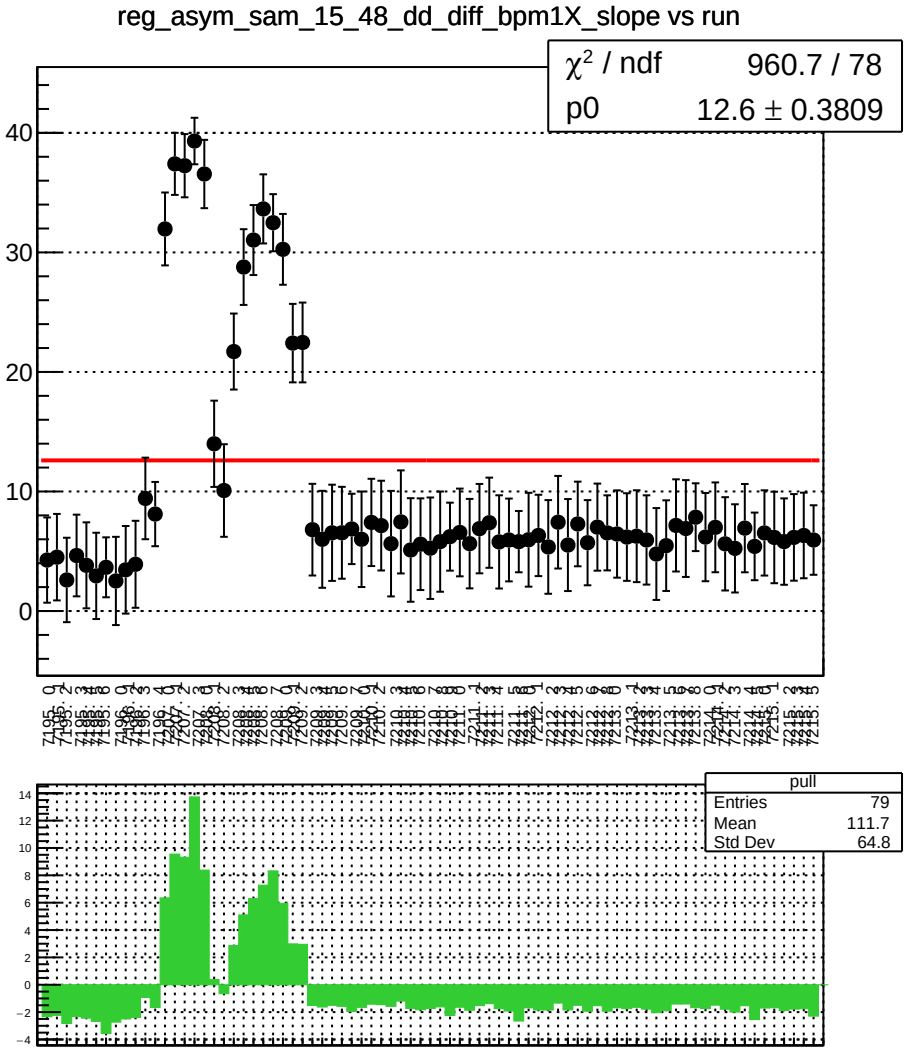

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 188.1 / 78
p0 −35.73 ± 0.4175
pull
Entries 79
Mean 96.82
Std Dev 50.94

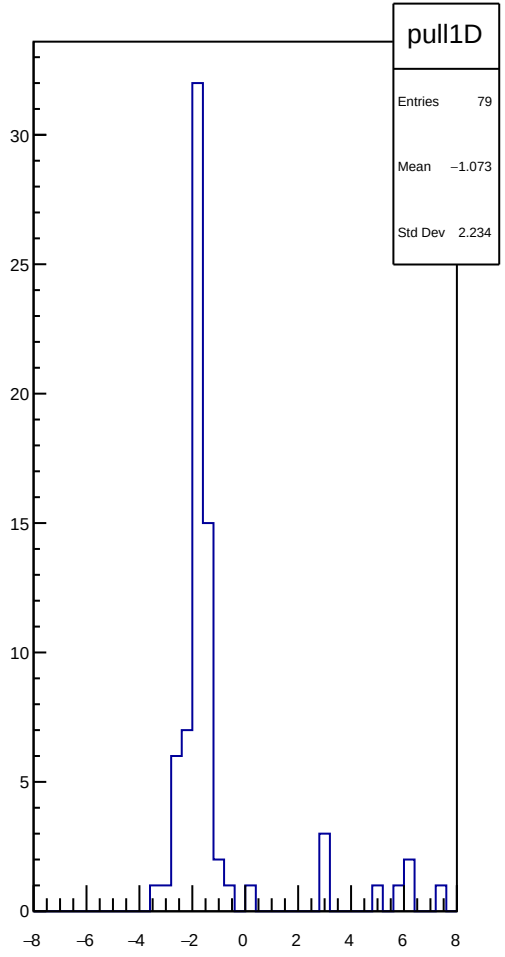

pull1D
Entries 79
Mean −0.1871
Std Dev 1.532

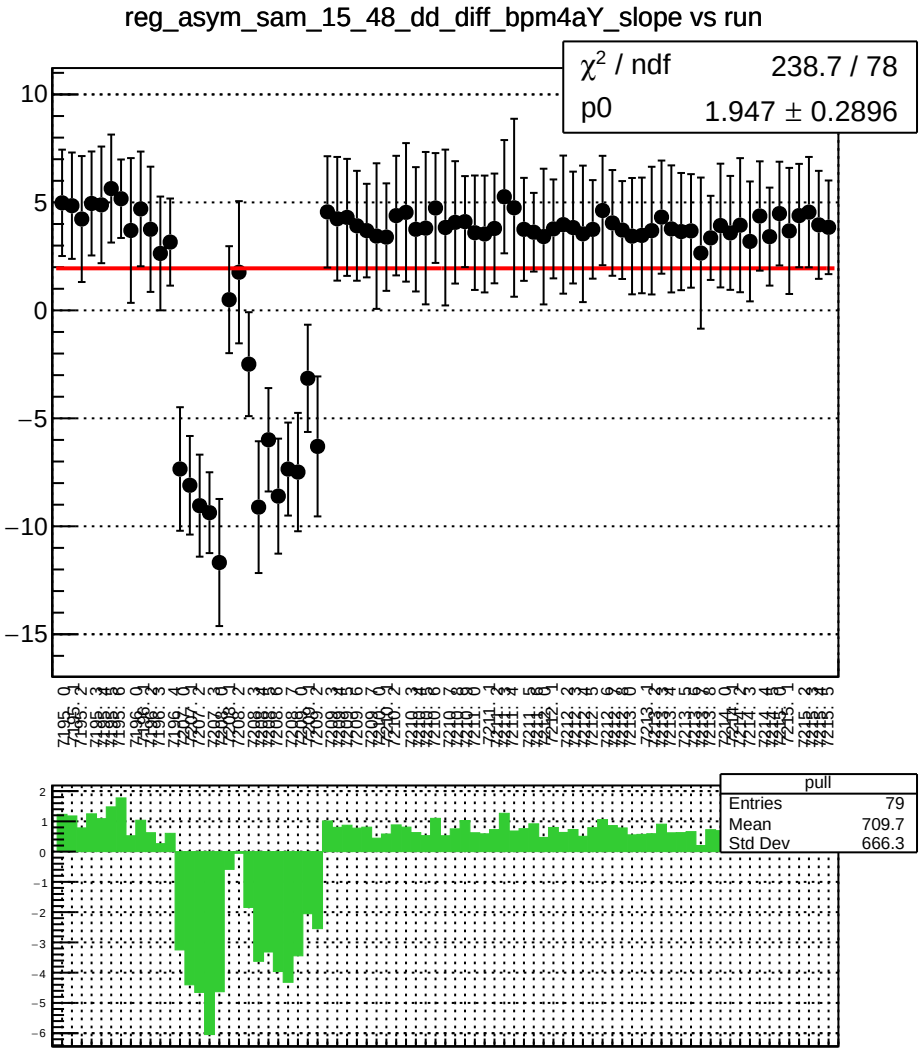

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 94.29 / 78
p0 −12.26 ± 0.35
pull
Entries 79
Mean 745.5
Std Dev 693.6

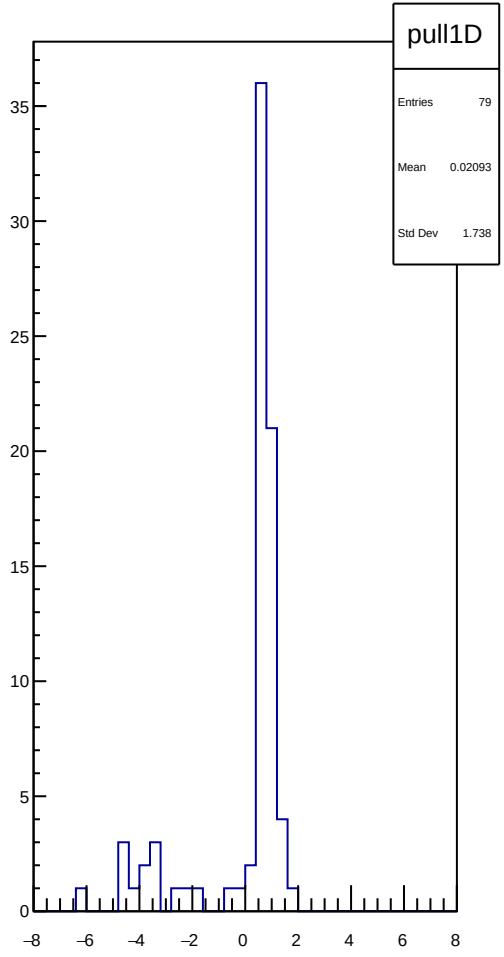

pull1D
Entries 79
Mean 0.008503
Std Dev 1.092

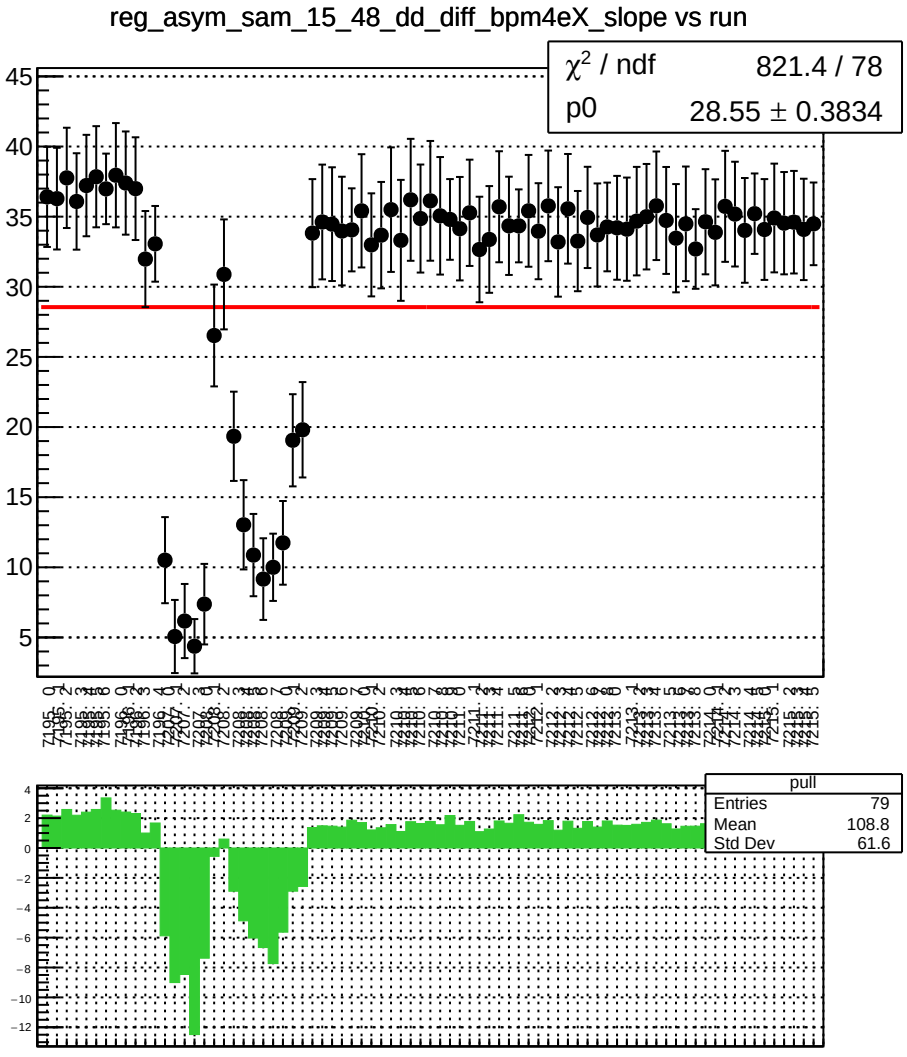

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 7.031 / 78
p0 0.4191 ± 0.01469
pull
Entries 79
Mean −268.9
Std Dev 306
pull1D
Entries 79
Mean −0.005844
Std Dev 0.2983

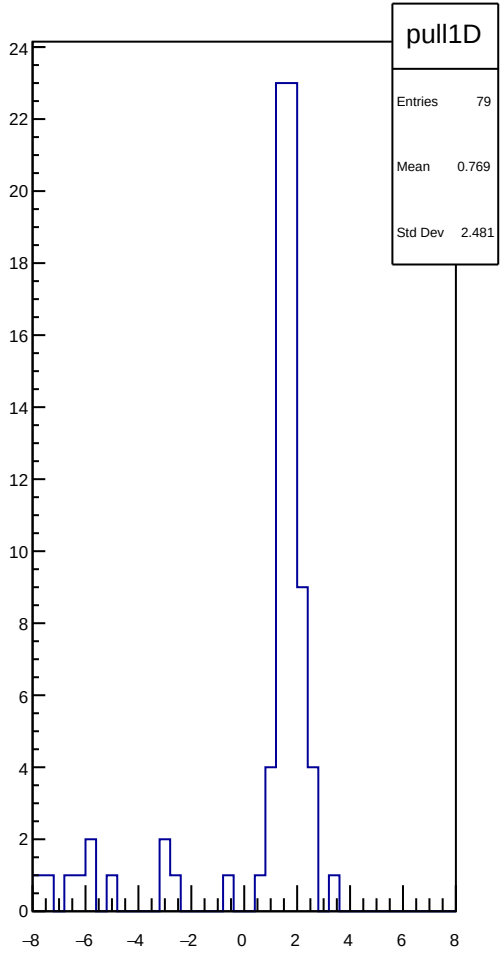

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 960.7 / 78
p0 12.6 ± 0.3809
pull
Entries 79
Mean 111.7
Std Dev 64.8

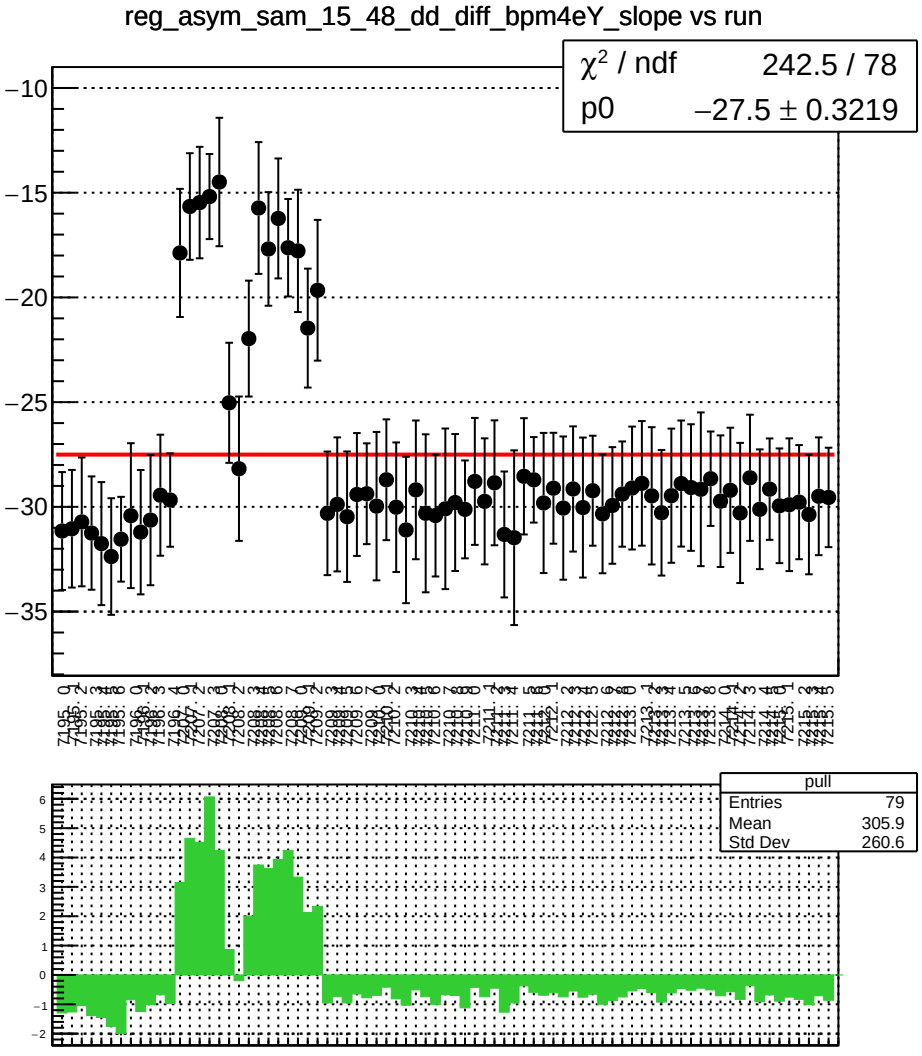

pull1D
Entries 79
Mean −1.073
Std Dev 2.234

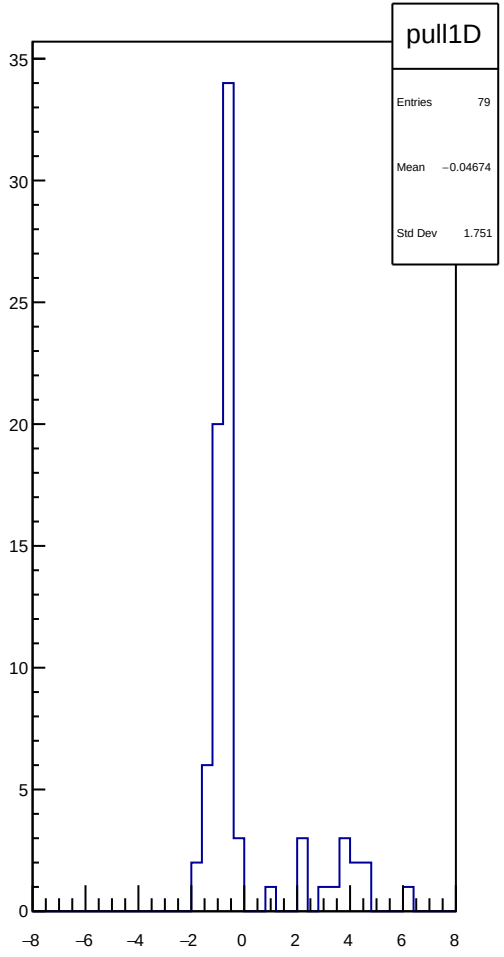

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 238.7 / 78
p0 1.947 ± 0.2896
pull
Entries 79
Mean 709.7
Std Dev 666.3

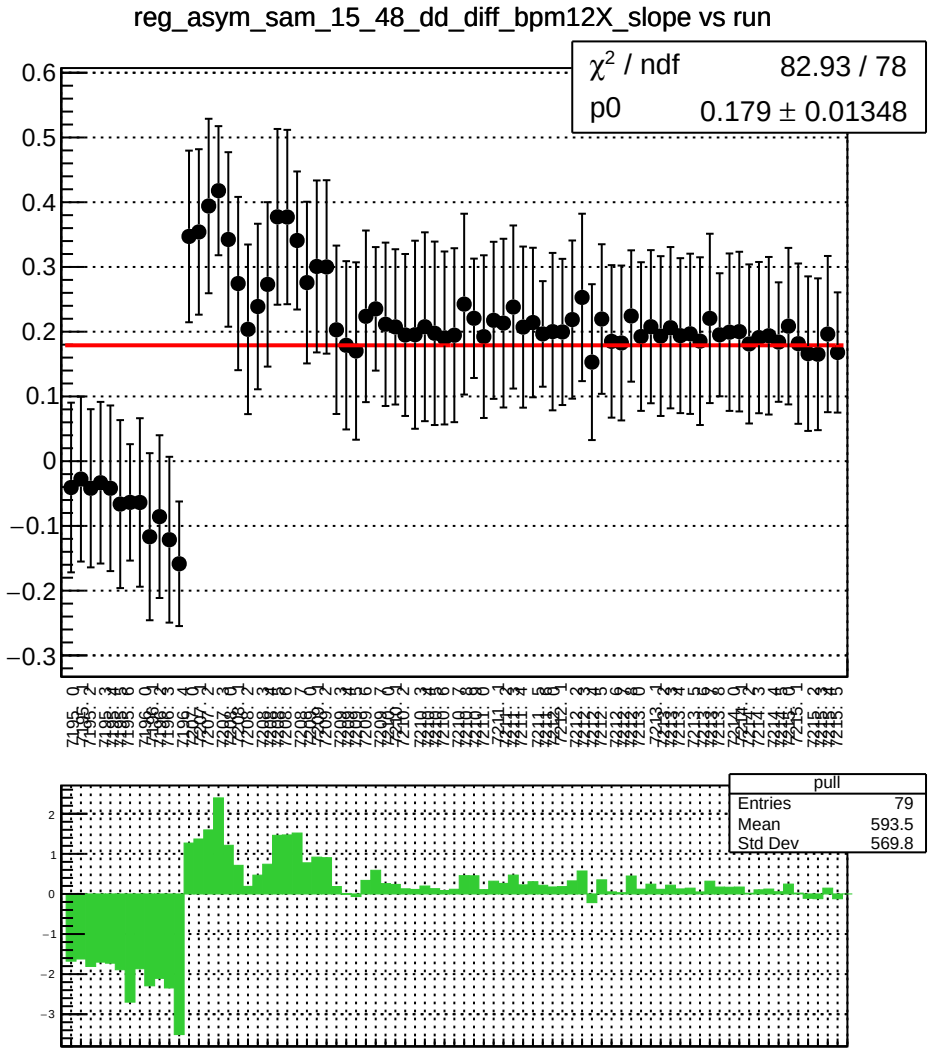

pull1D
Entries 79
Mean 0.02093
Std Dev 1.738

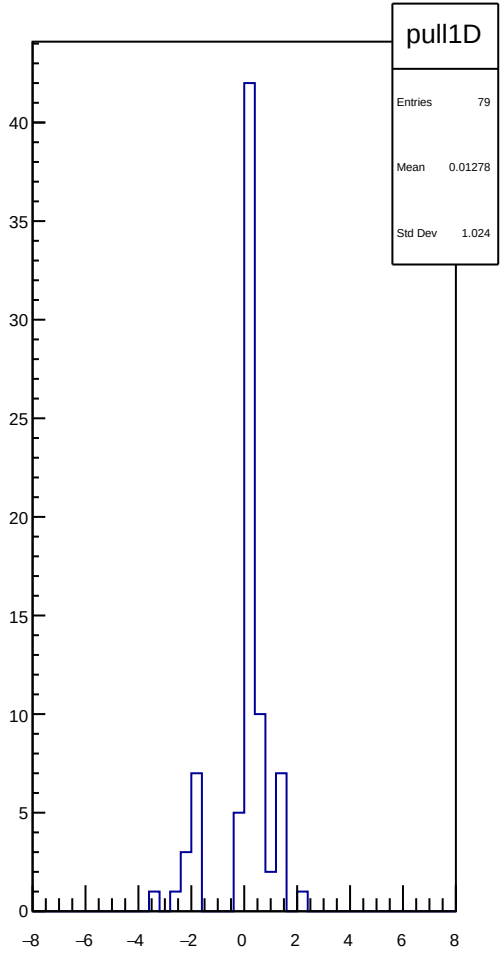

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 821.4 / 78
p0 28.55 ± 0.3834
pull
Entries 79
Mean 108.8
Std Dev 61.6

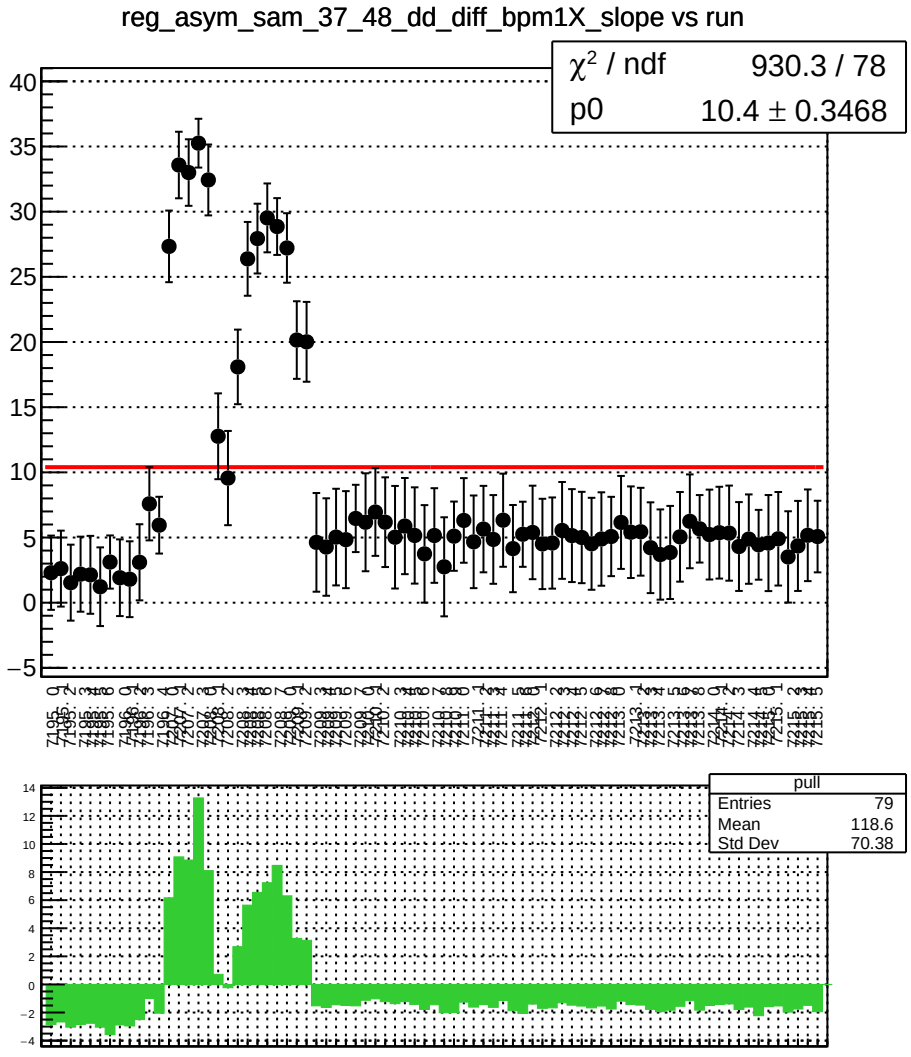

pull1D
Entries 79
Mean 0.769
Std Dev 2.481

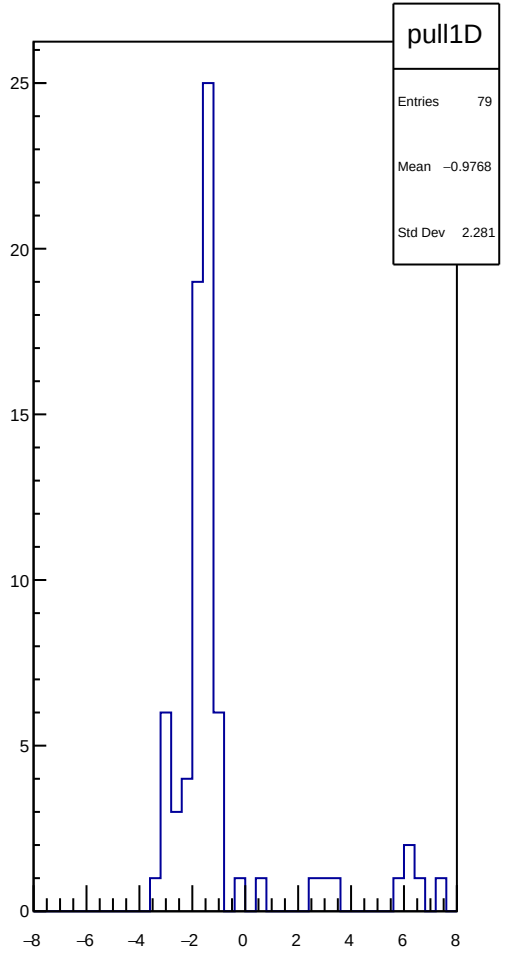

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 242.5 / 78
p0 −27.5 ± 0.3219
pull
Entries 79
Mean 305.9
Std Dev 260.6

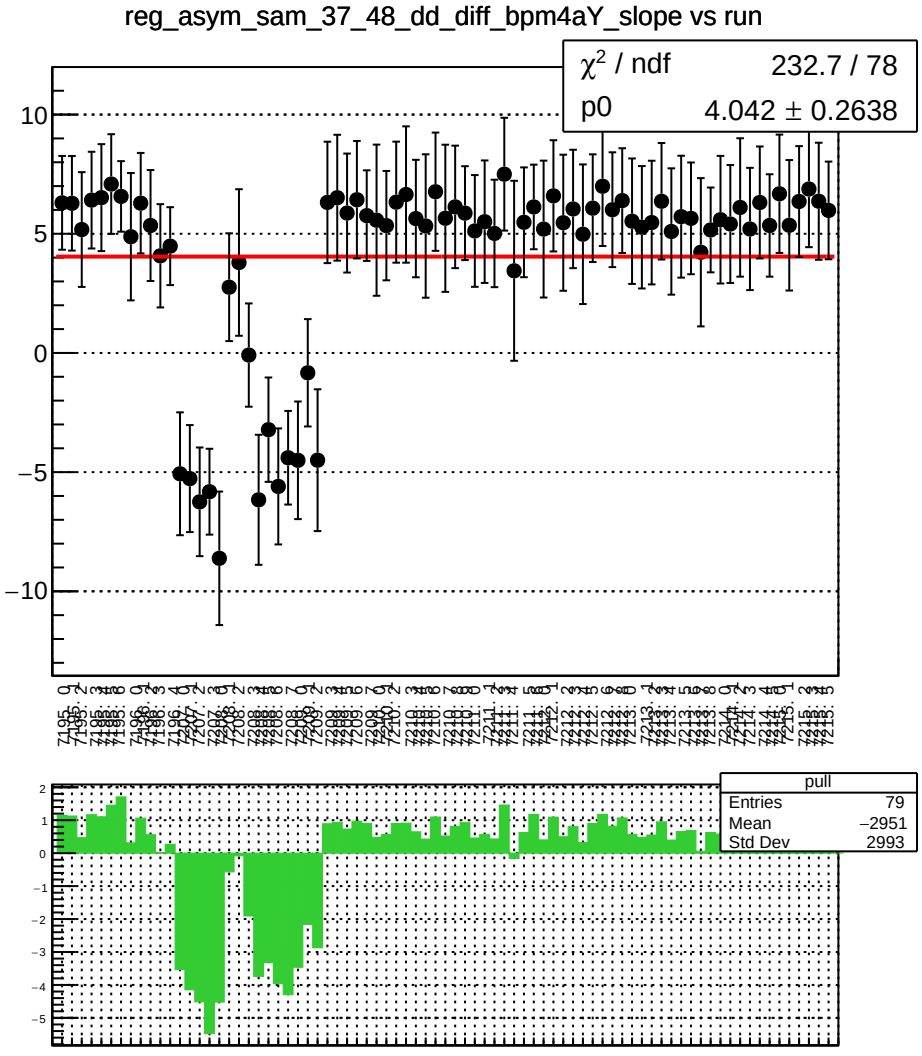

pull1D
Entries 79
Mean −0.04674
Std Dev 1.751

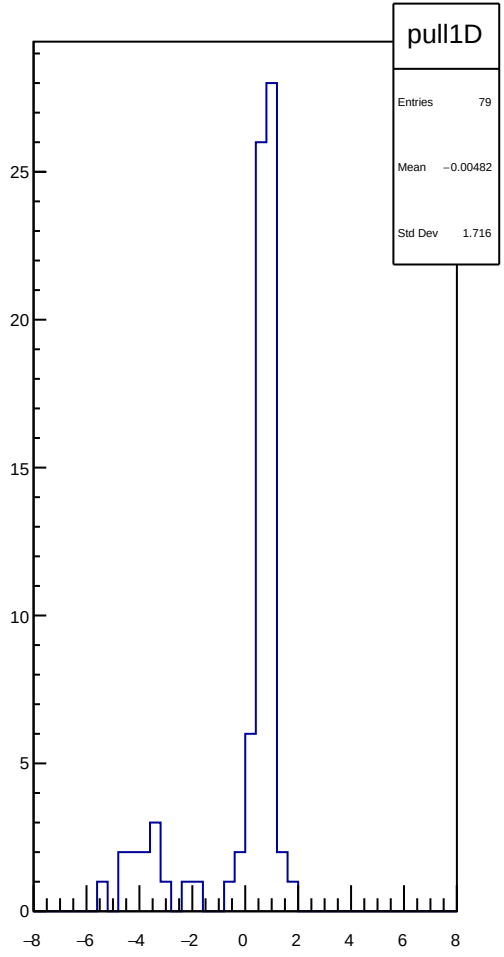

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 82.93 / 78
p0 0.179 ± 0.01348
pull
Entries 79
Mean 593.5
Std Dev 569.8

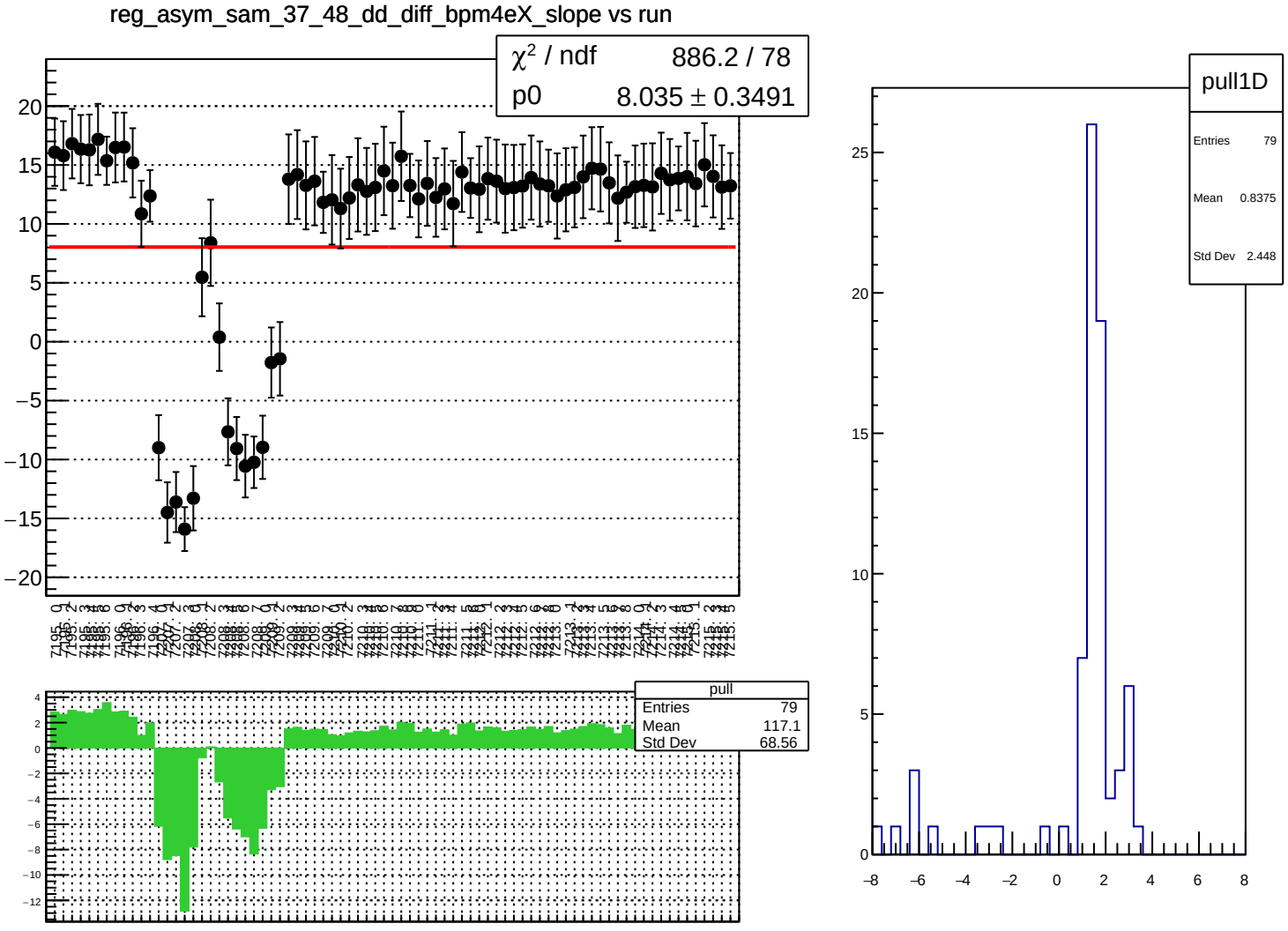

pull1D
Entries 79
Mean 0.01278
Std Dev 1.024

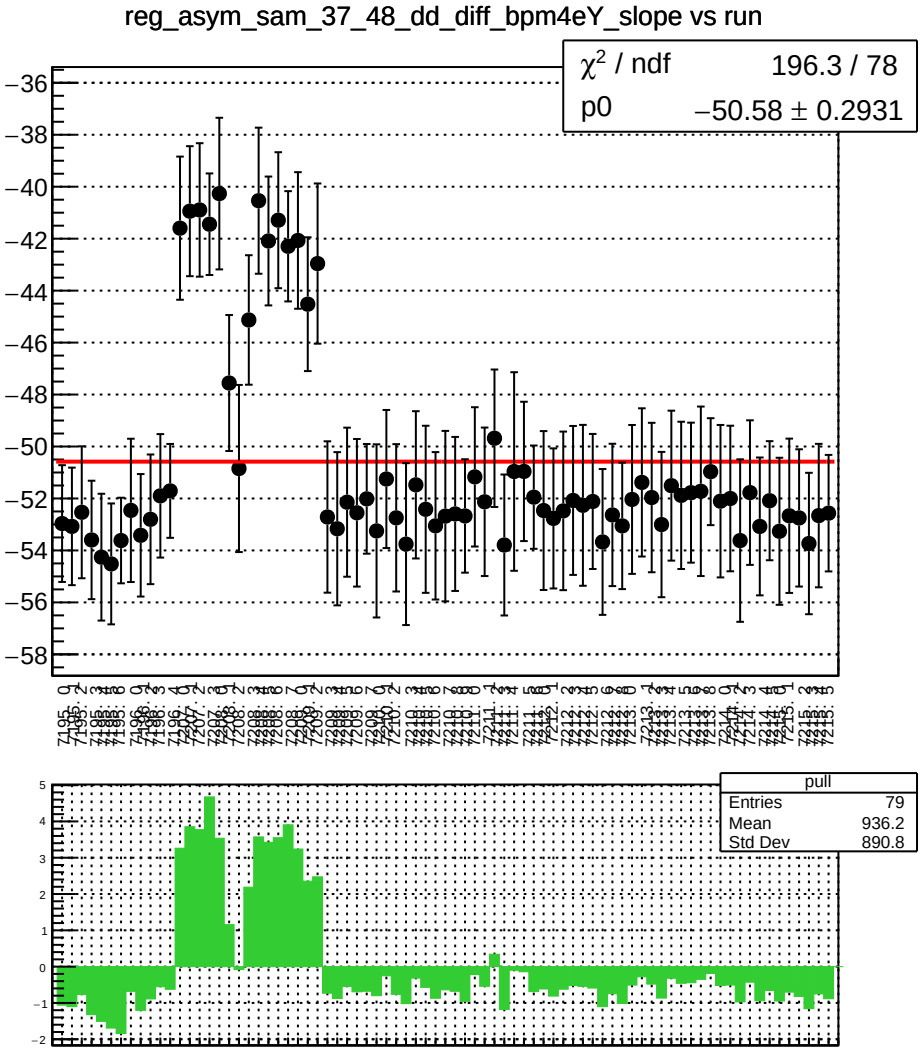

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 930.3 / 78
p0 10.4 ± 0.3468
pull
Entries 79
Mean 118.6
Std Dev 70.38

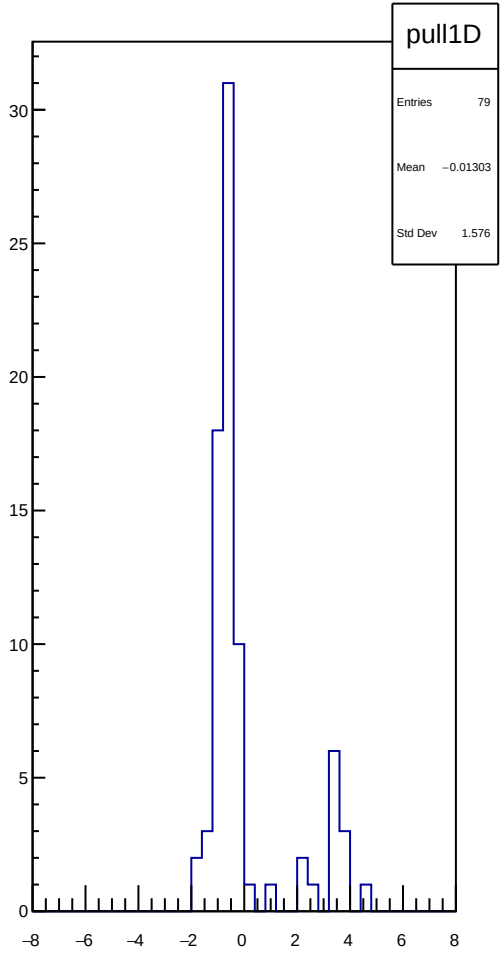

pull1D
Entries 79
Mean −0.9768
Std Dev 2.281

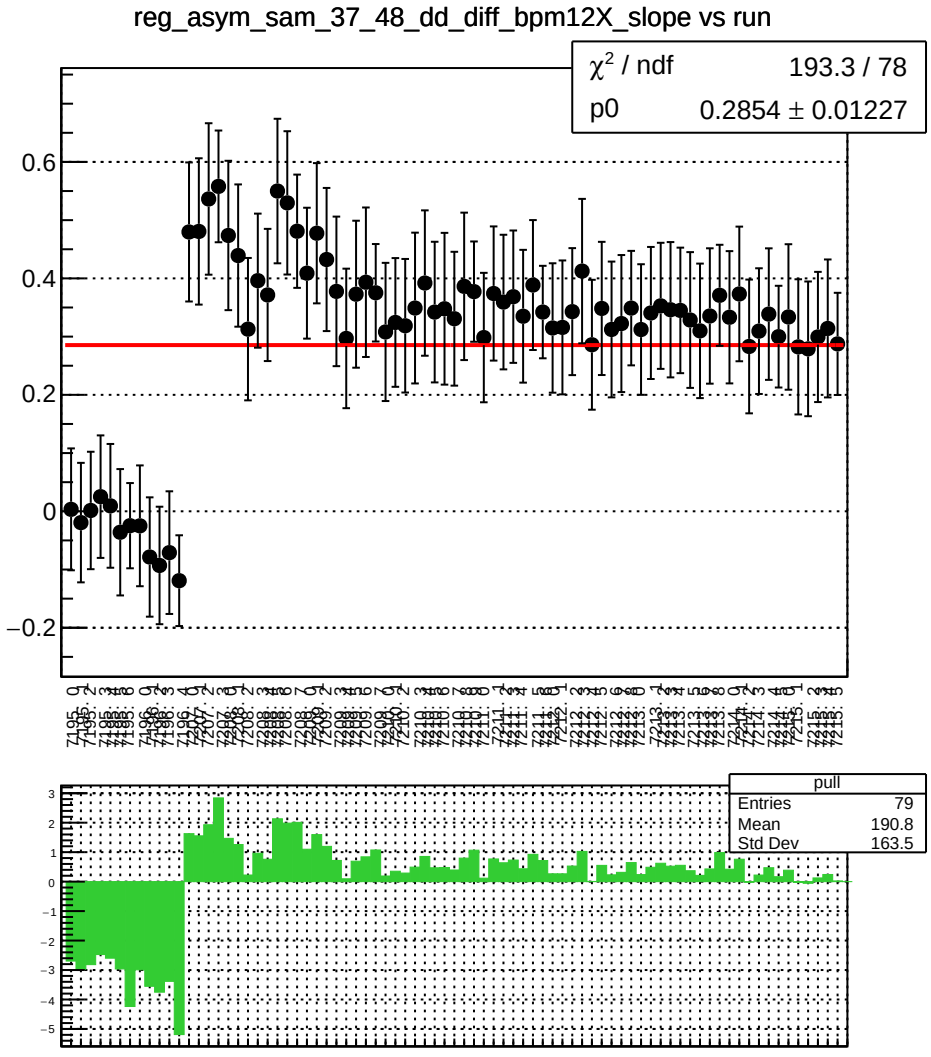

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 232.7 / 78
p0 4.042 ± 0.2638
pull
Entries 79
Mean −2951
Std Dev 2993

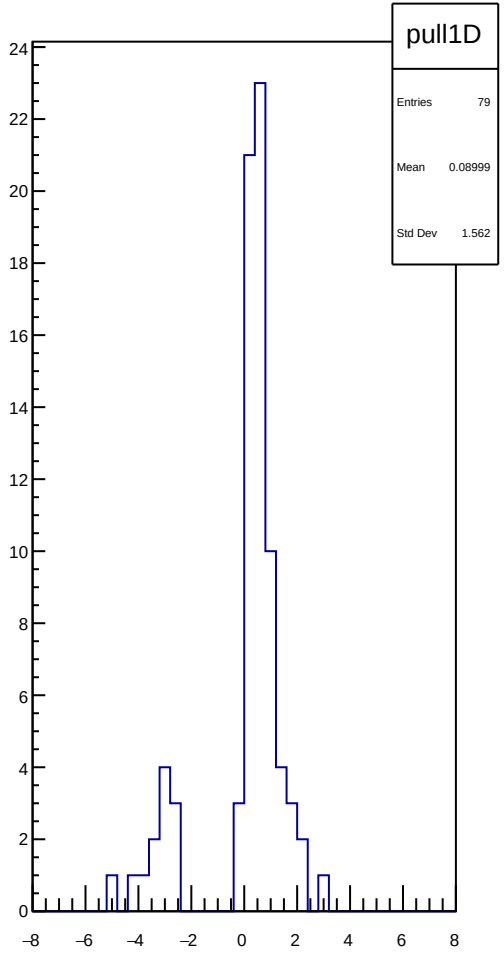

pull1D
Entries 79
Mean −0.00482
Std Dev 1.716

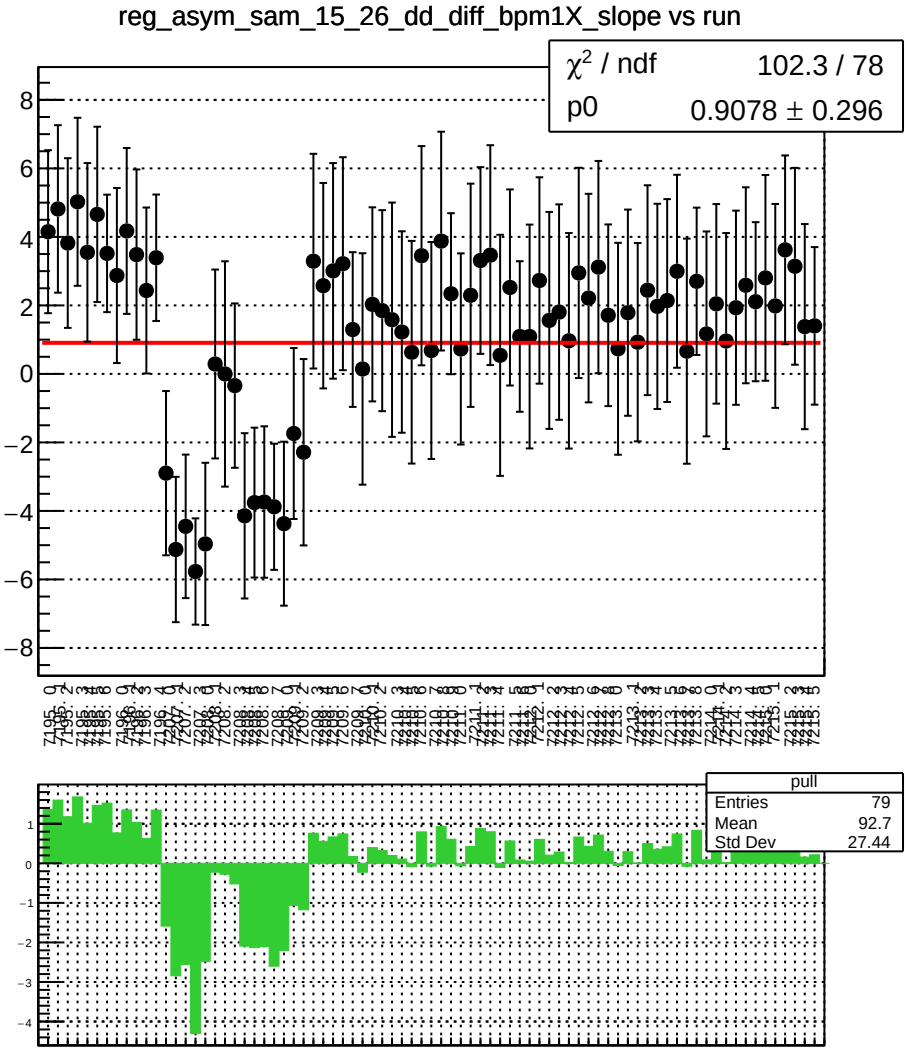

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 886.2 / 78
p0 8.035 ± 0.3491
pull
Entries 79
Mean 117.1
Std Dev 68.56
pull1D
Entries 79
Mean 0.8375
Std Dev 2.448

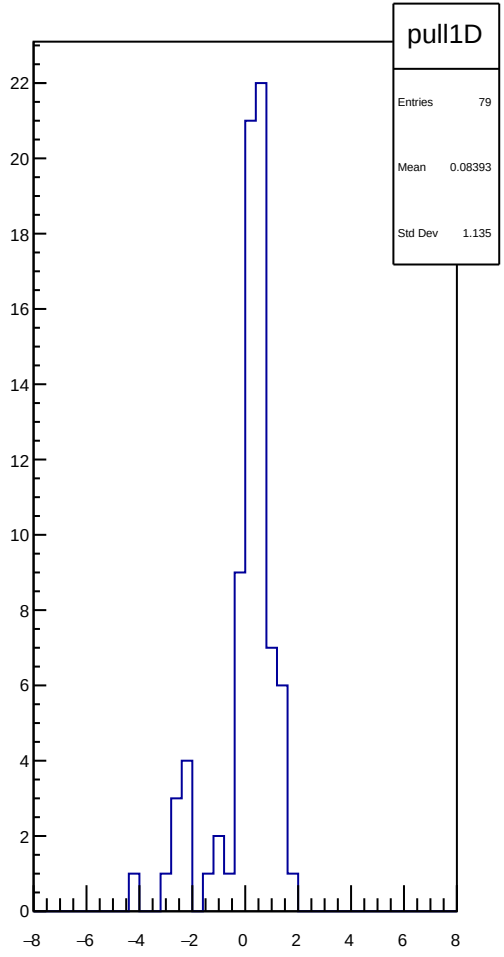

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 196.3 / 78
p0 −50.58 ± 0.2931
pull
Entries 79
Mean 936.2
Std Dev 890.8


pull1D
Entries 79
Mean −0.01303
Std Dev 1.576

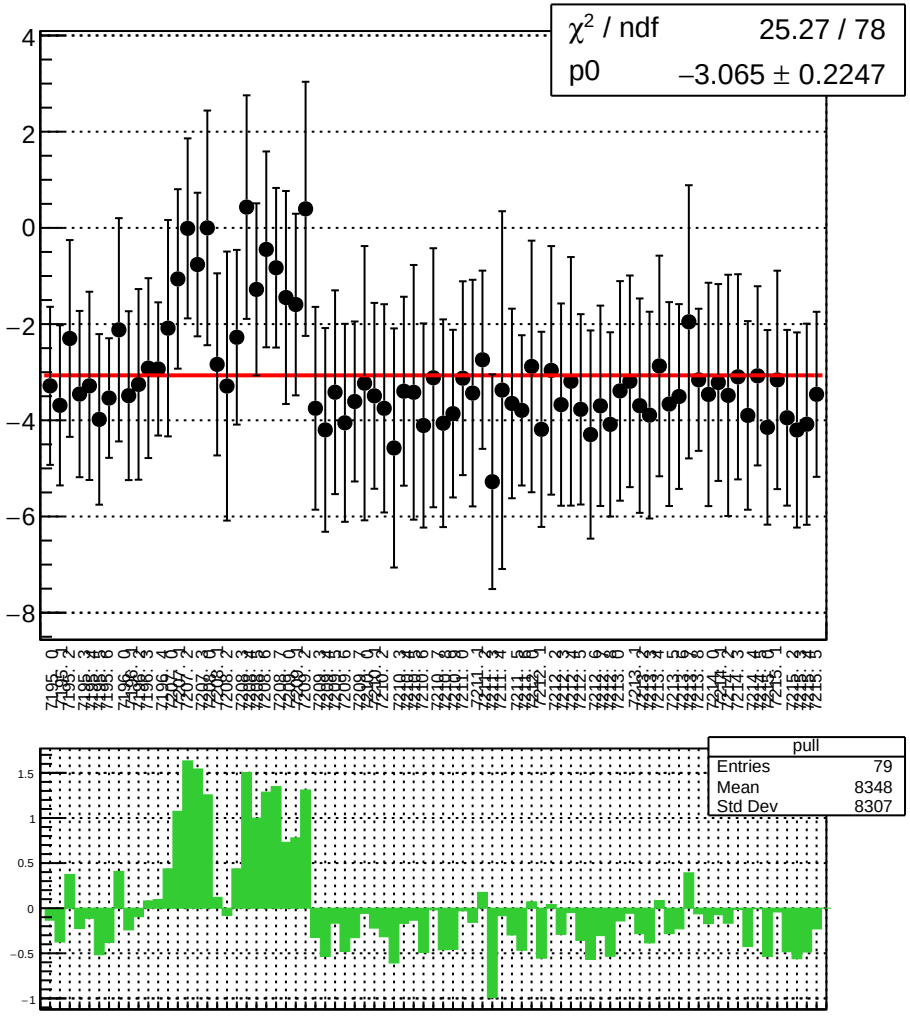

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 193.3 / 78
p0 0.2854 ± 0.01227
pull
Entries 79
Mean 190.8
Std Dev 163.5

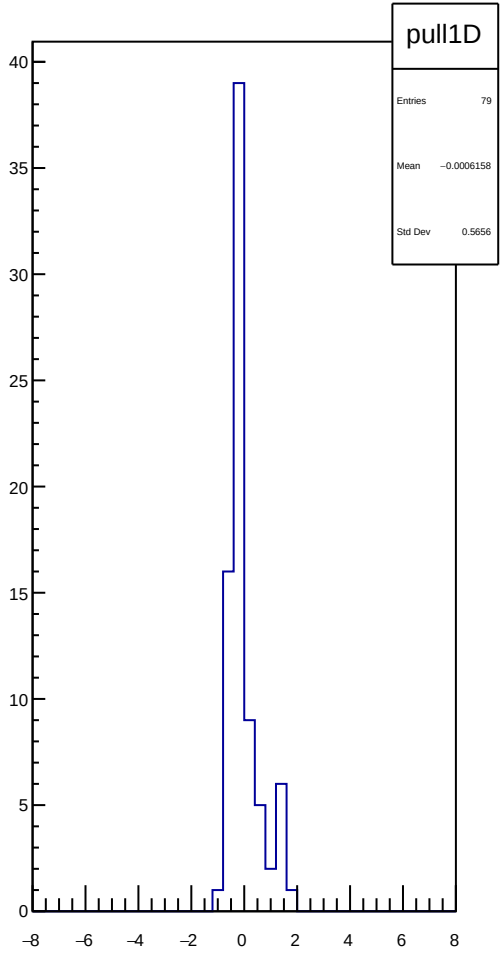

pull1D
Entries 79
Mean 0.08999
Std Dev 1.562

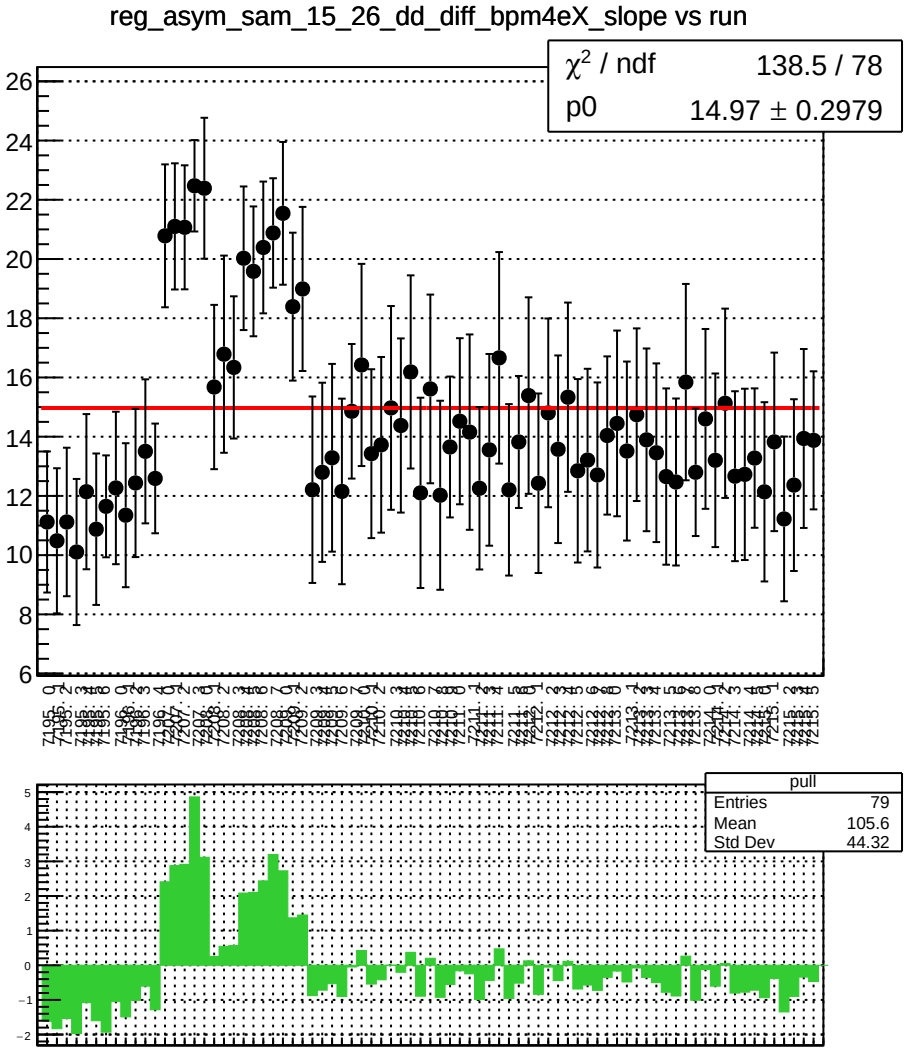

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 102.3 / 78
p0 0.9078 ± 0.296
pull
Entries 79
Mean 92.7
Std Dev 27.44

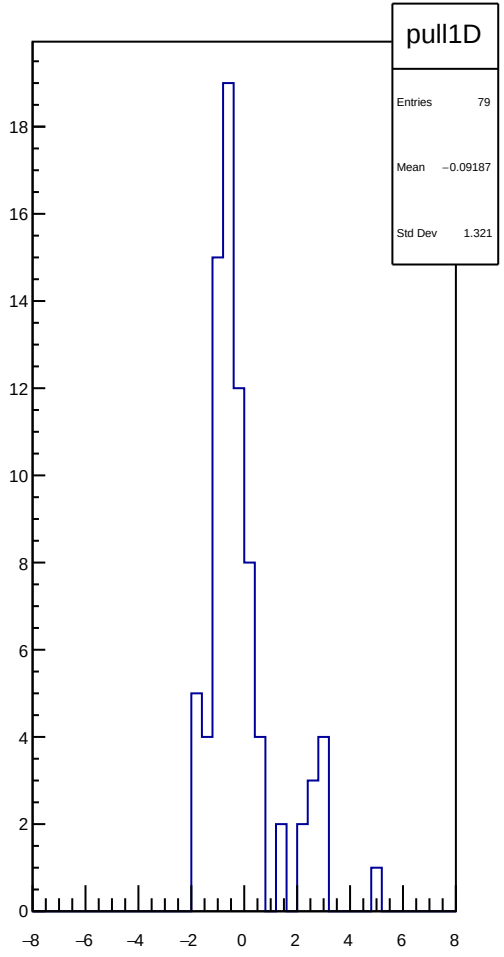

pull1D
Entries 79
Mean 0.08393
Std Dev 1.135

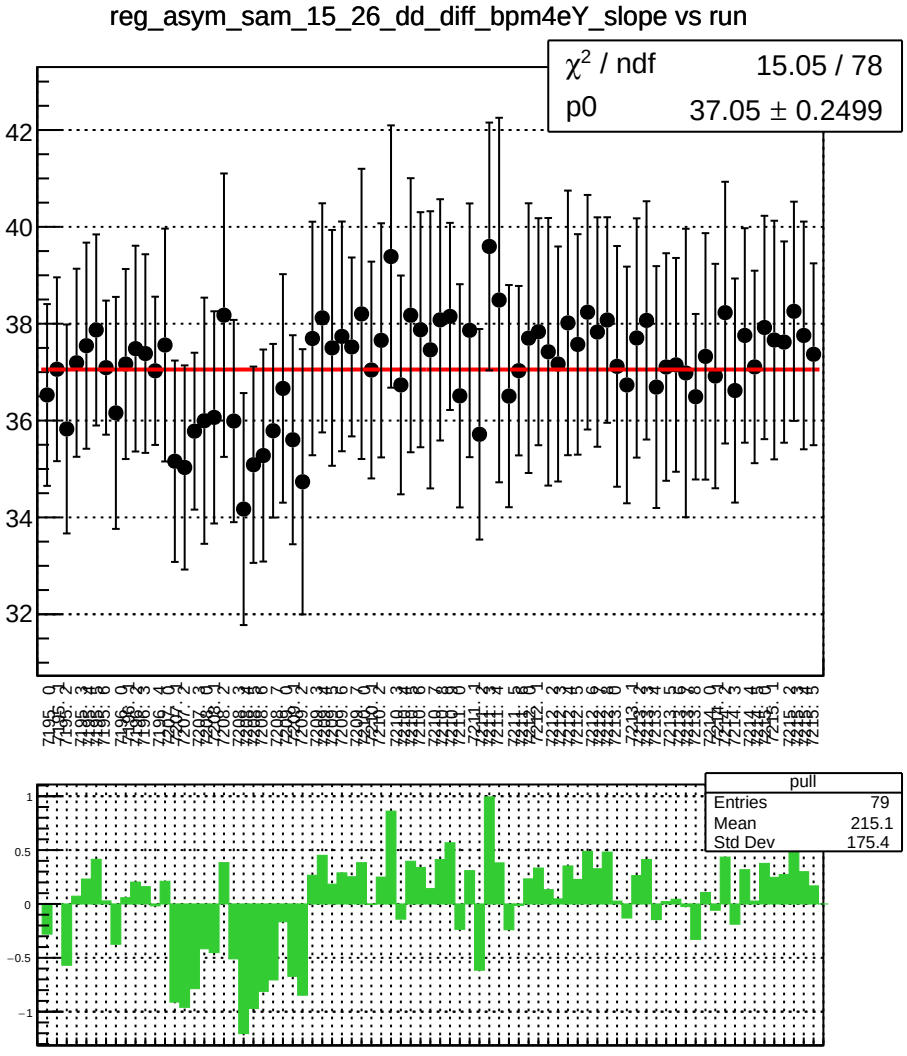
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run

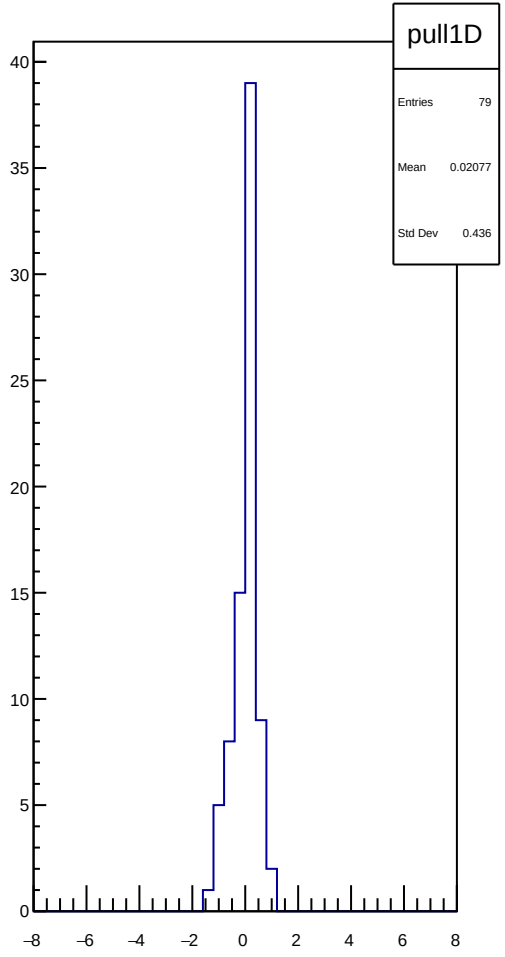


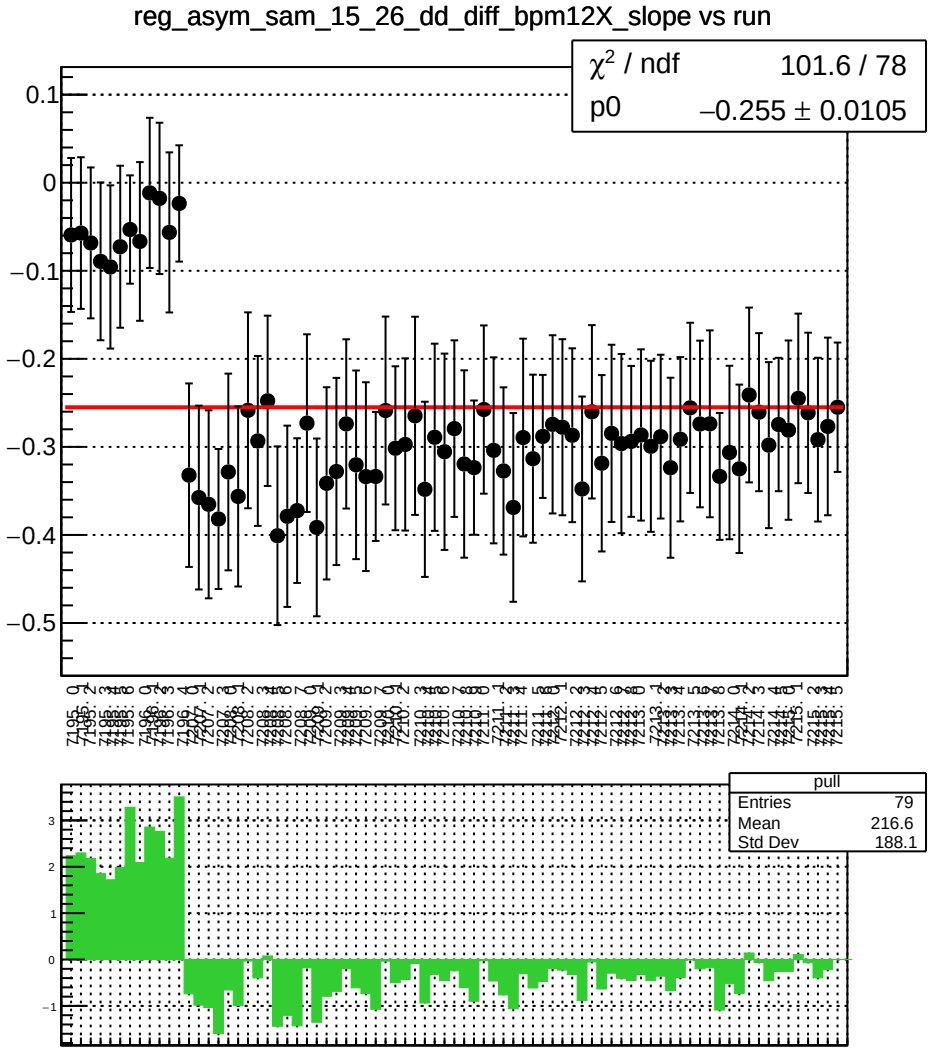


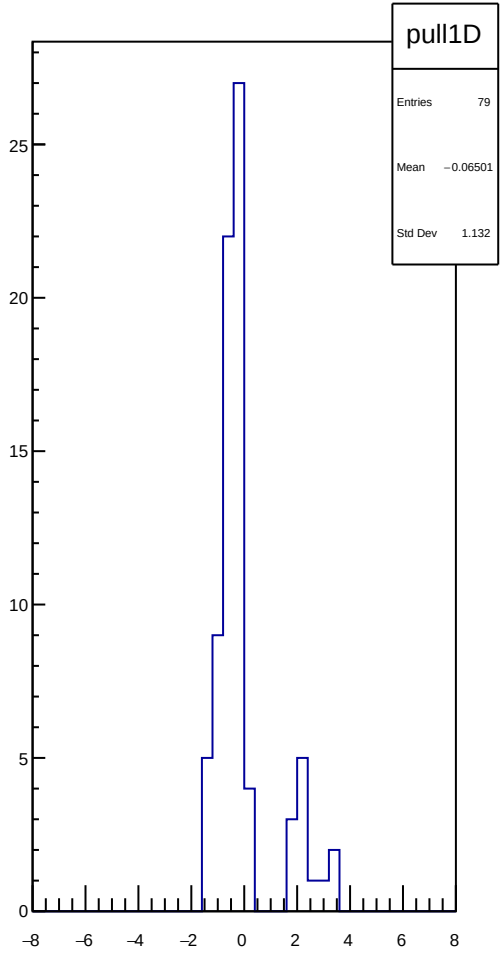

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 138.5 / 78
p0 14.97 ± 0.2979
pull
Entries 79
Mean 105.6
Std Dev 44.32

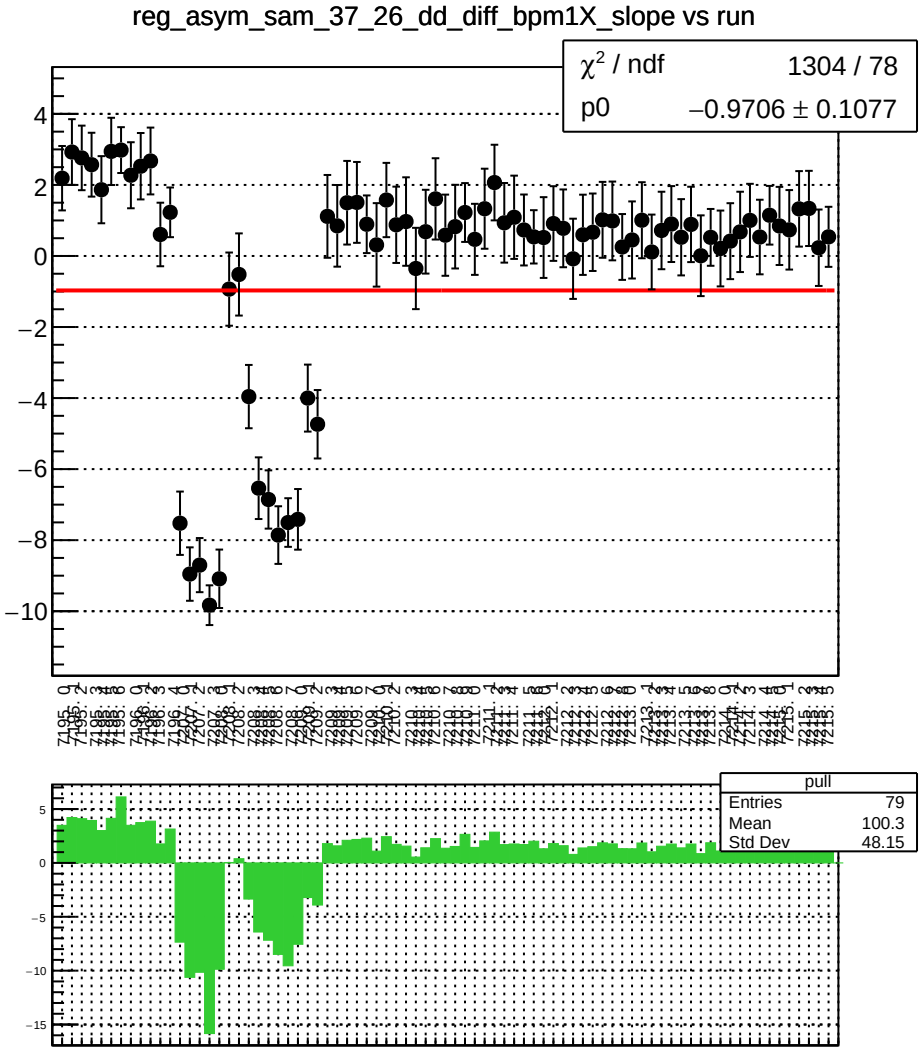

pull1D
Entries 79
Mean −0.09187
Std Dev 1.321

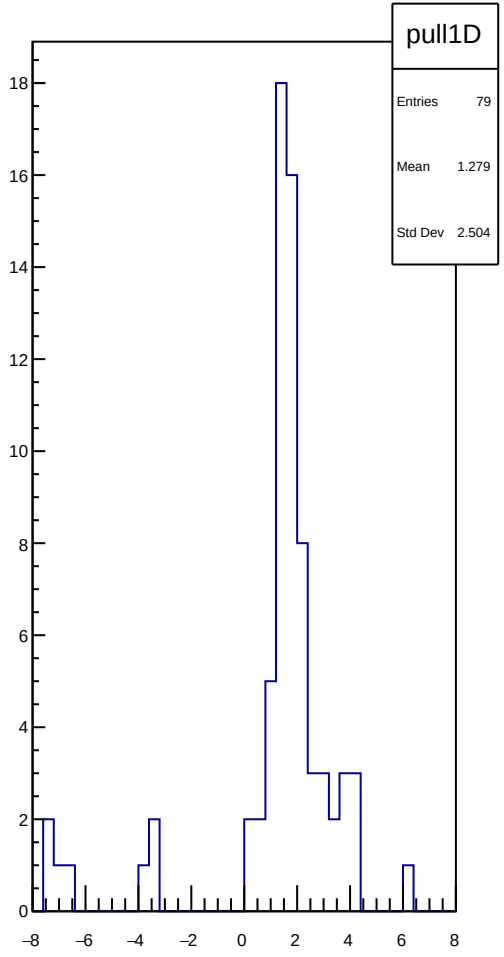

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 15.05 / 78
p0 37.05 ± 0.2499
pull
Entries 79
Mean 215.1
Std Dev 175.4

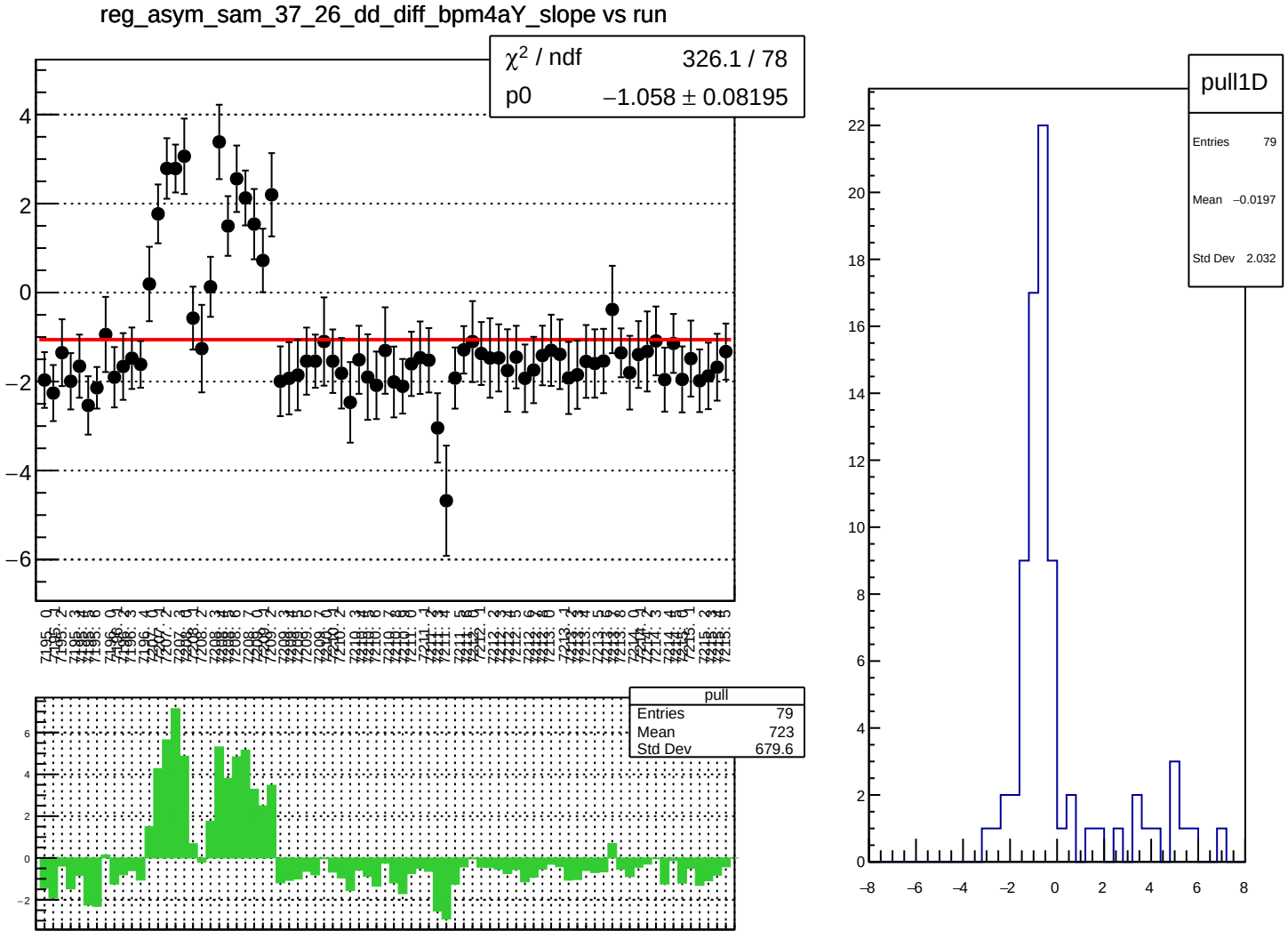

pull1D
Entries 79
Mean 0.02077
Std Dev 0.436

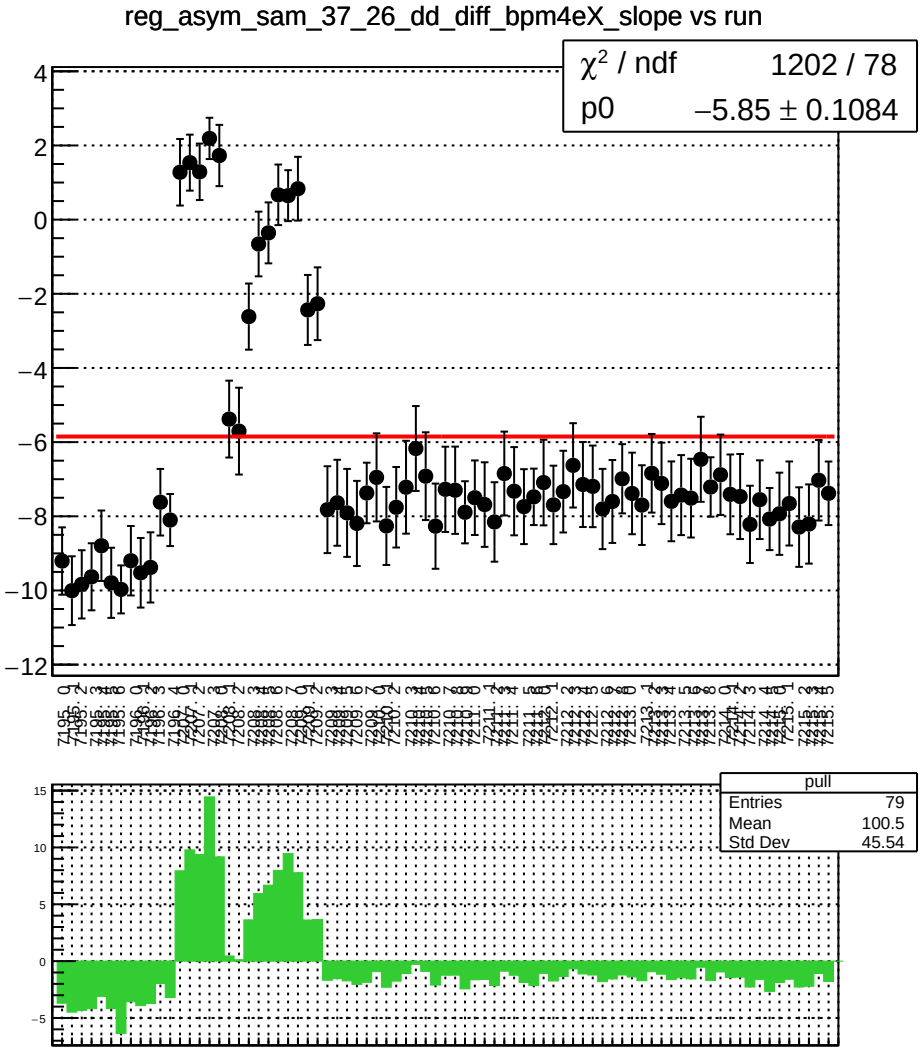

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 101.6 / 78
p0 −0.255 ± 0.0105
pull
Entries 79
Mean 216.6
Std Dev 188.1

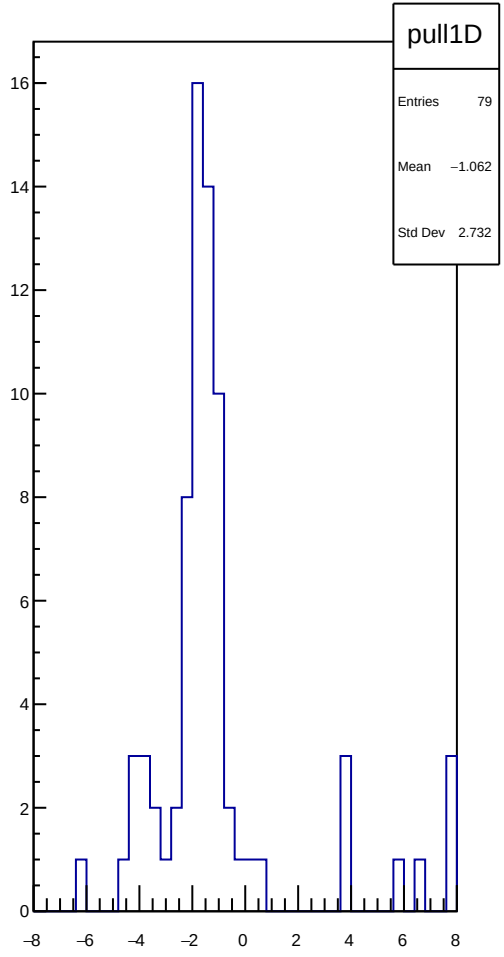

pull1D
Entries 79
Mean −0.06501
Std Dev 1.132

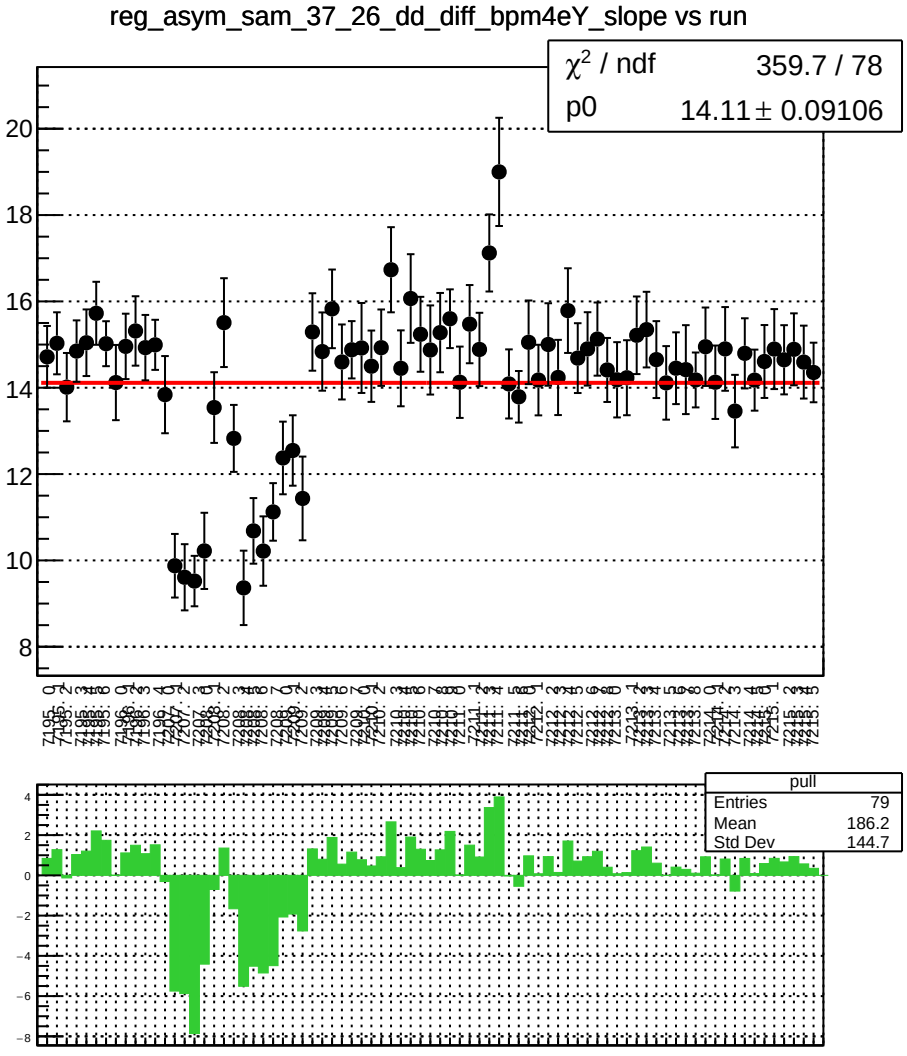

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1304 / 78
p0 −0.9706 ± 0.1077
pull
Entries 79
Mean 100.3
Std Dev 48.15

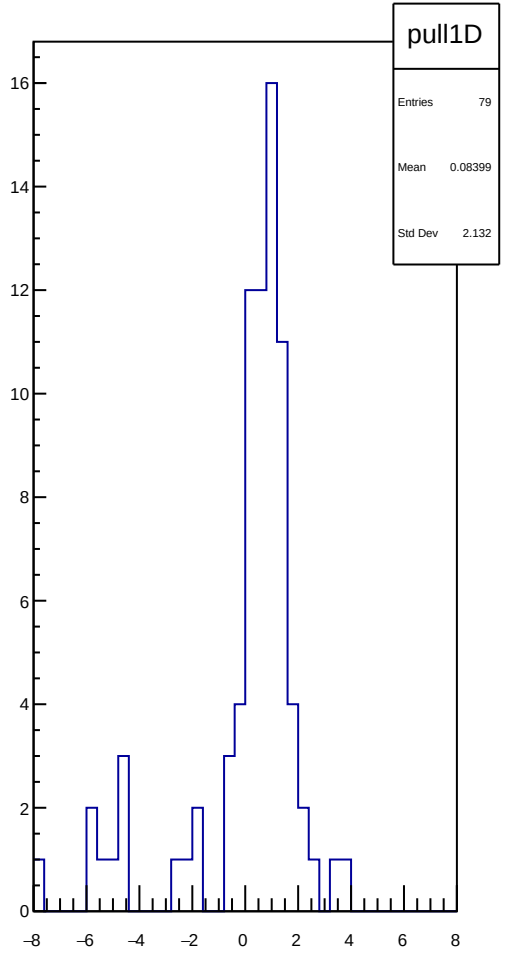

pull1D
Entries 79
Mean 1.279
Std Dev 2.504

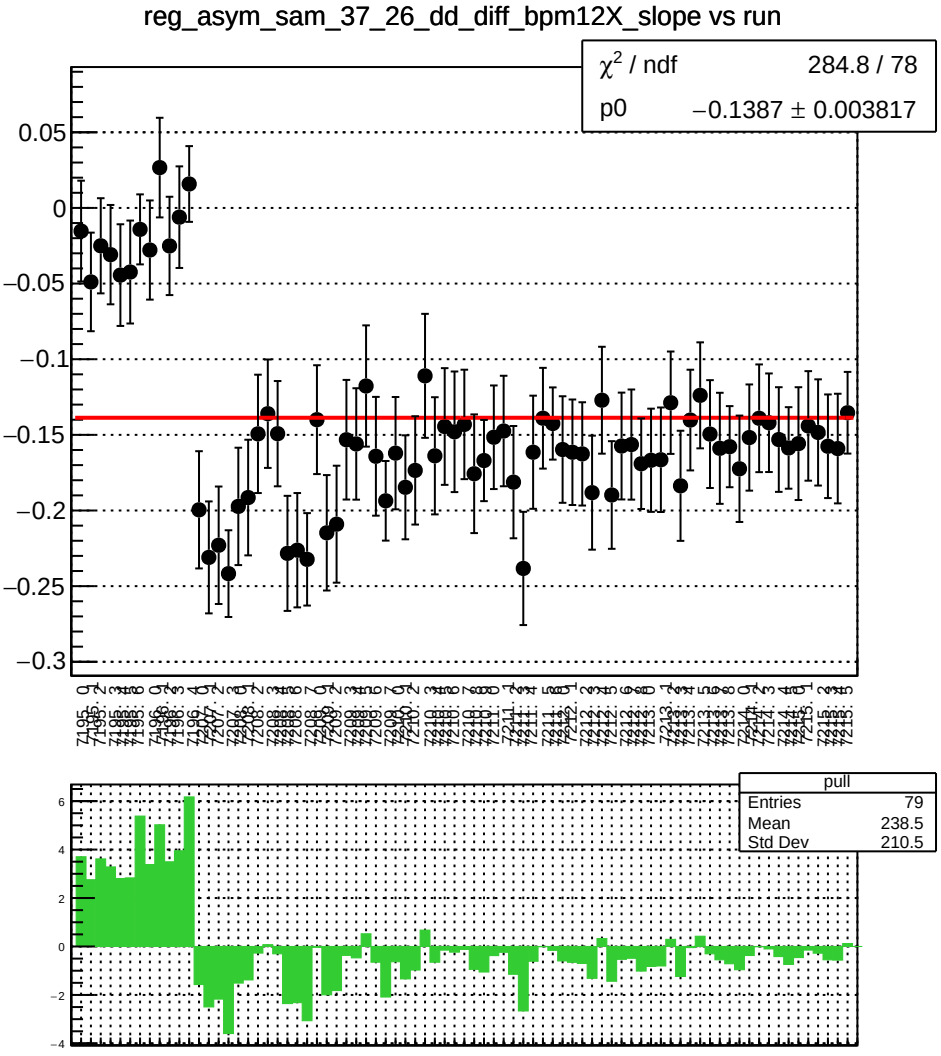

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 326.1 / 78
p0 −1.058 ± 0.08195
pull
Entries 79
Mean 723
Std Dev 679.6
pull1D
Entries 79
Mean −0.0197
Std Dev 2.032

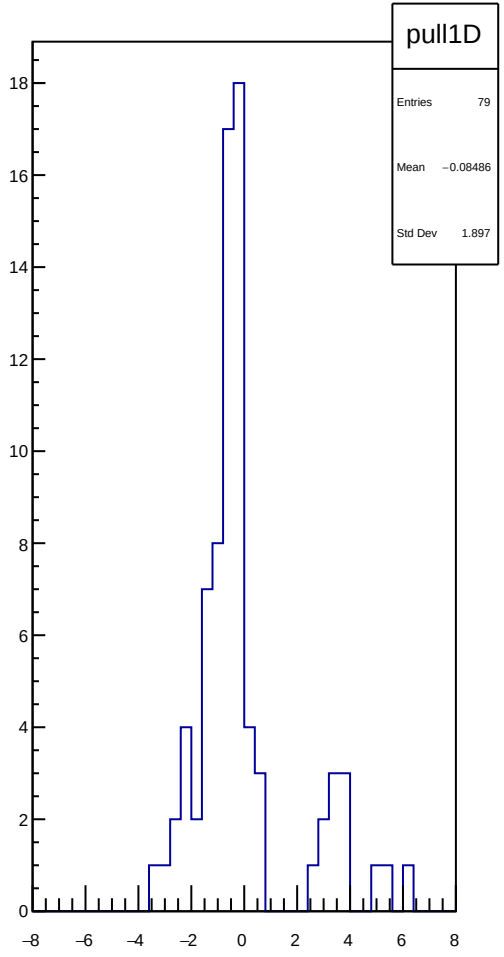

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1202 / 78
p0 −5.85 ± 0.1084
pull
Entries 79
Mean 100.5
Std Dev 45.54

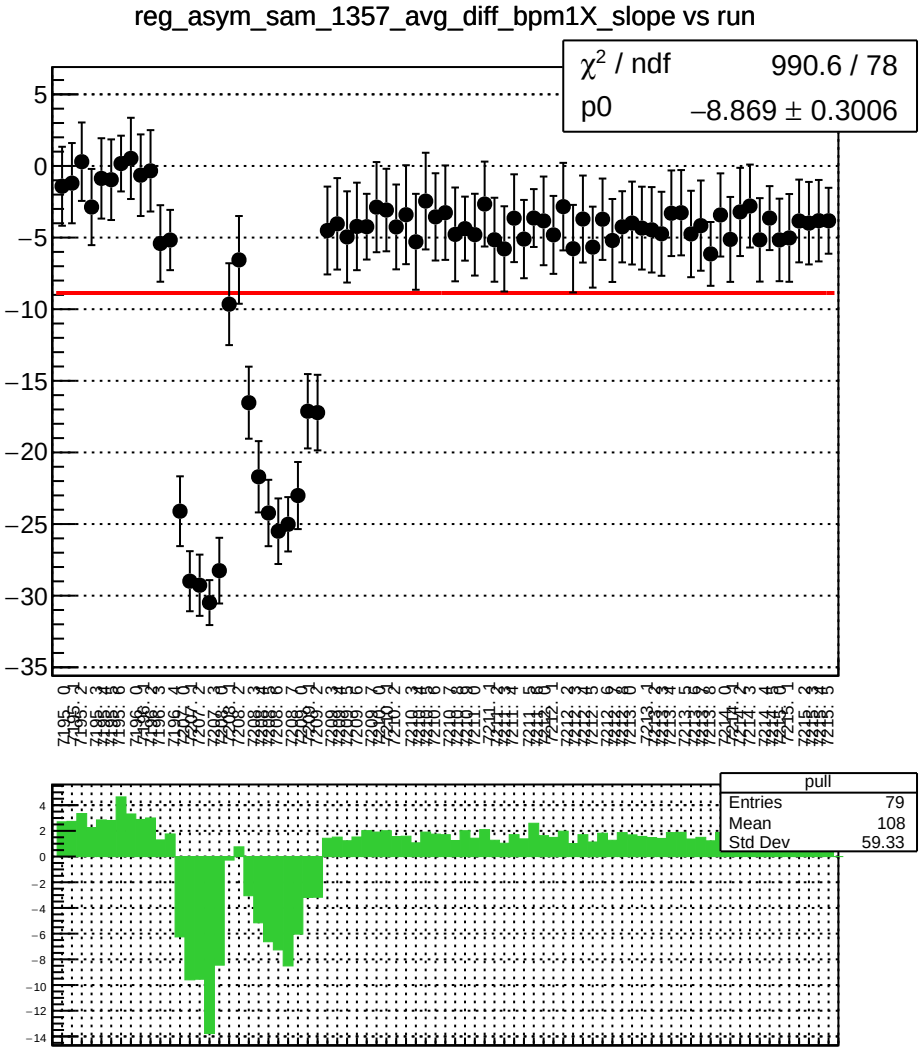

pull1D
Entries 79
Mean −1.062
Std Dev 2.732

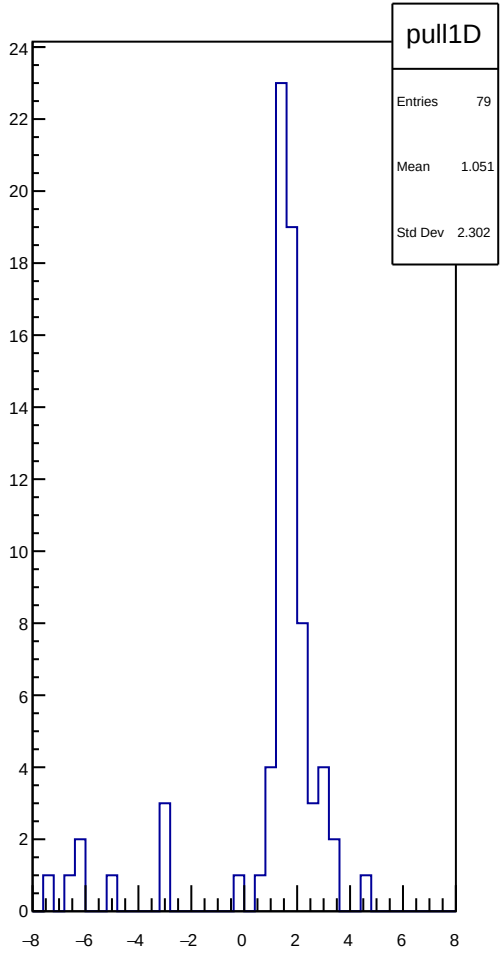

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 359.7 / 78
p0 14.11 ± 0.09106
pull
Entries 79
Mean 186.2
Std Dev 144.7

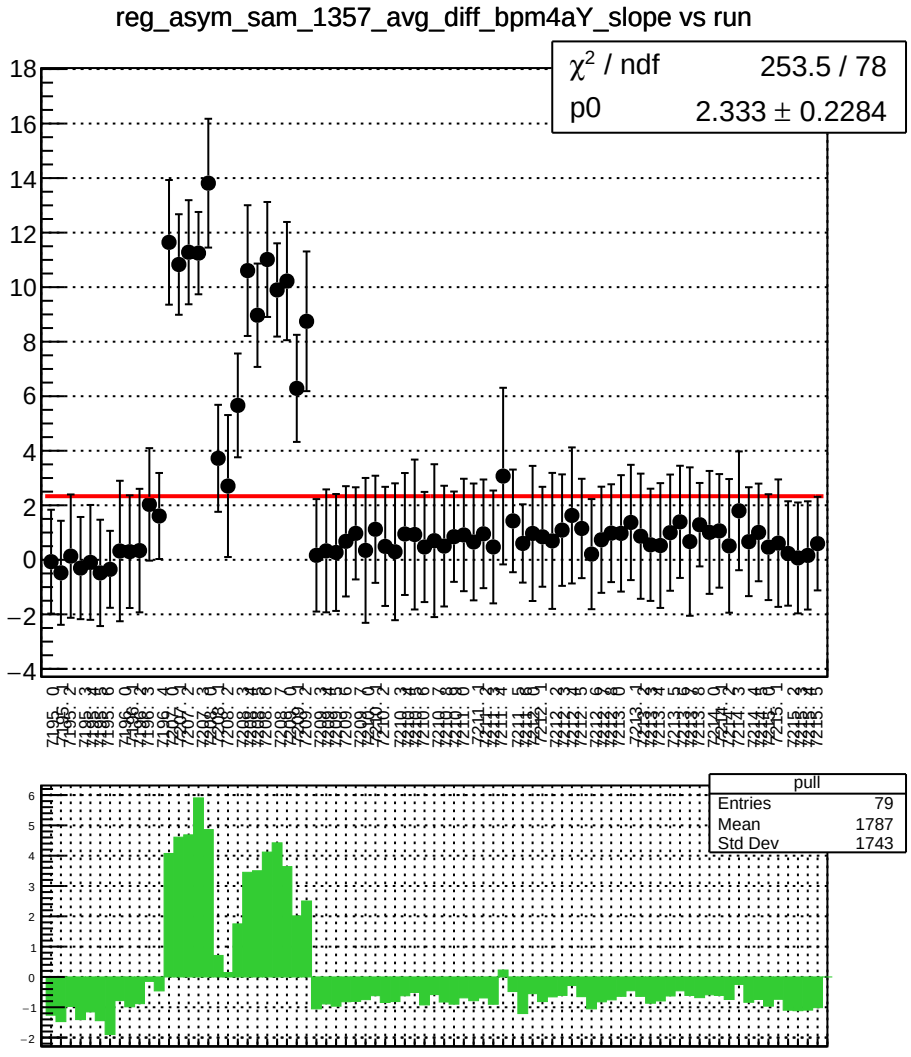

pull1D
Entries 79
Mean 0.08399
Std Dev 2.132

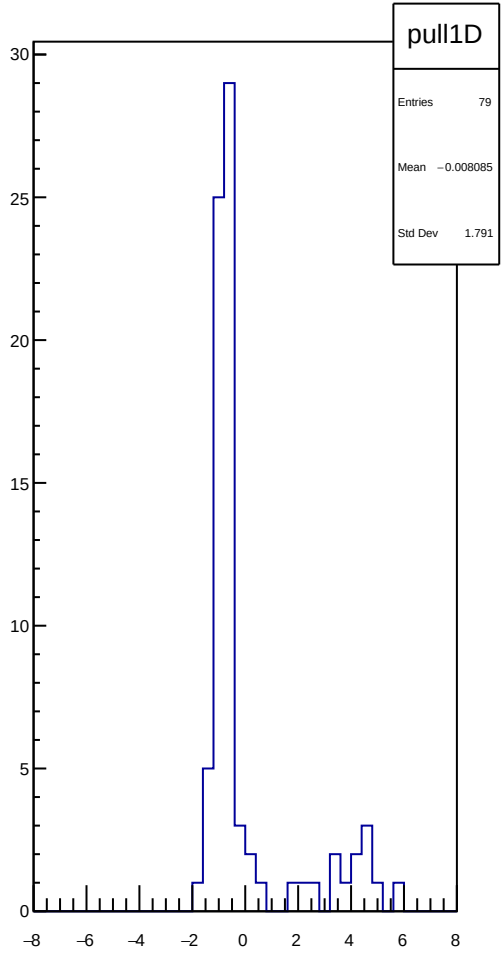

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 284.8 / 78
p0 −0.1387 ± 0.003817
pull
Entries 79
Mean 238.5
Std Dev 210.5

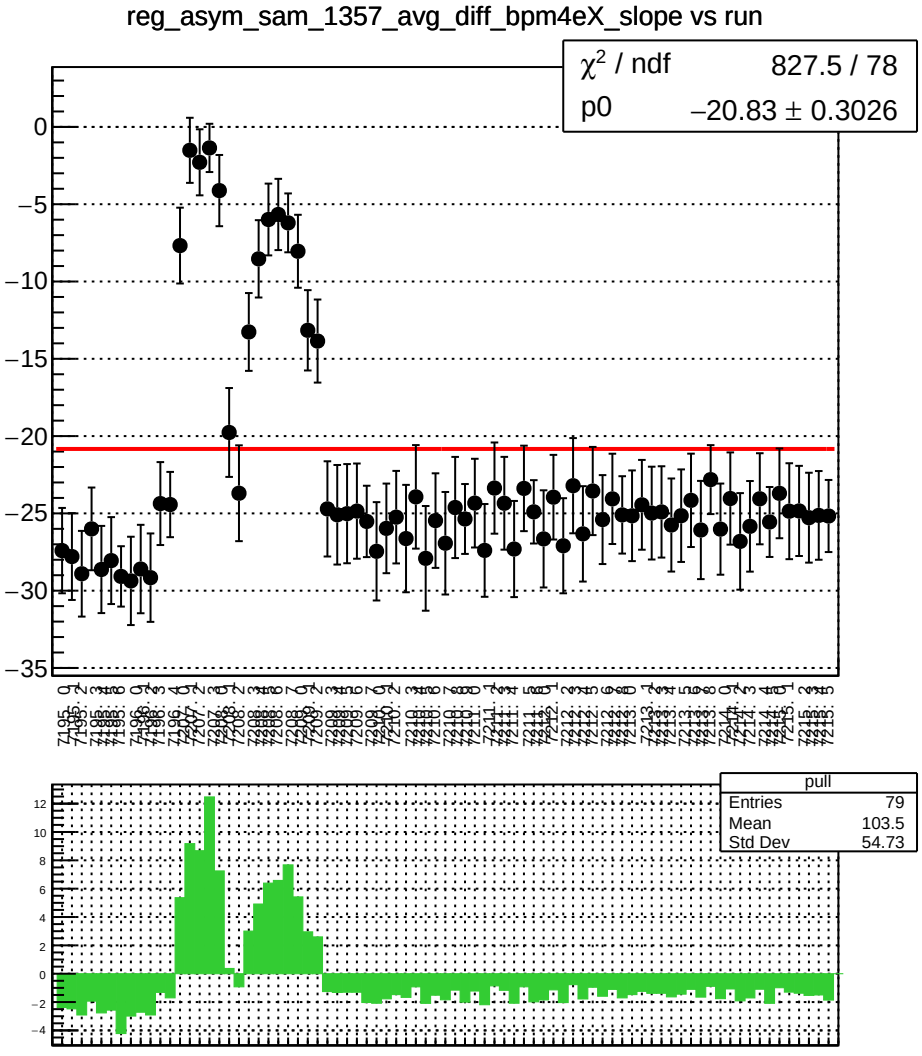

pull1D
Entries 79
Mean −0.08486
Std Dev 1.897

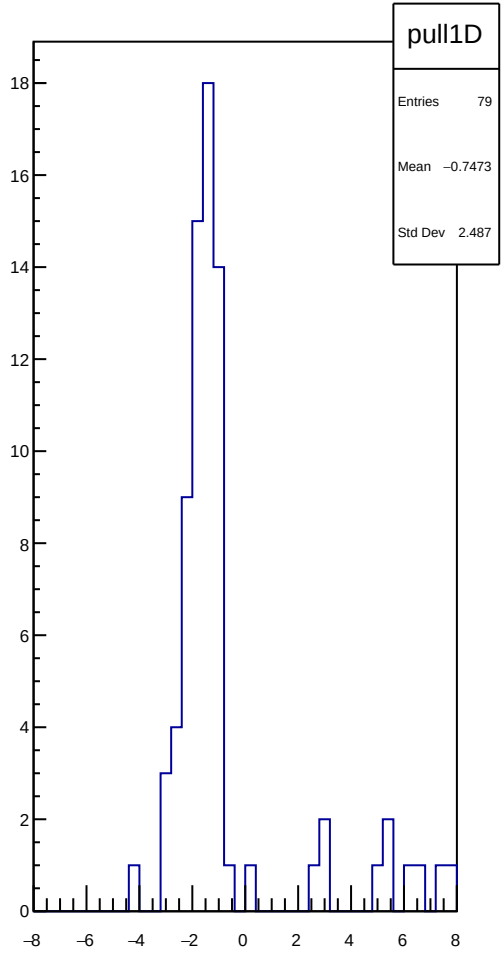

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 990.6 / 78
p0 −8.869 ± 0.3006
pull
Entries 79
Mean 108
Std Dev 59.33

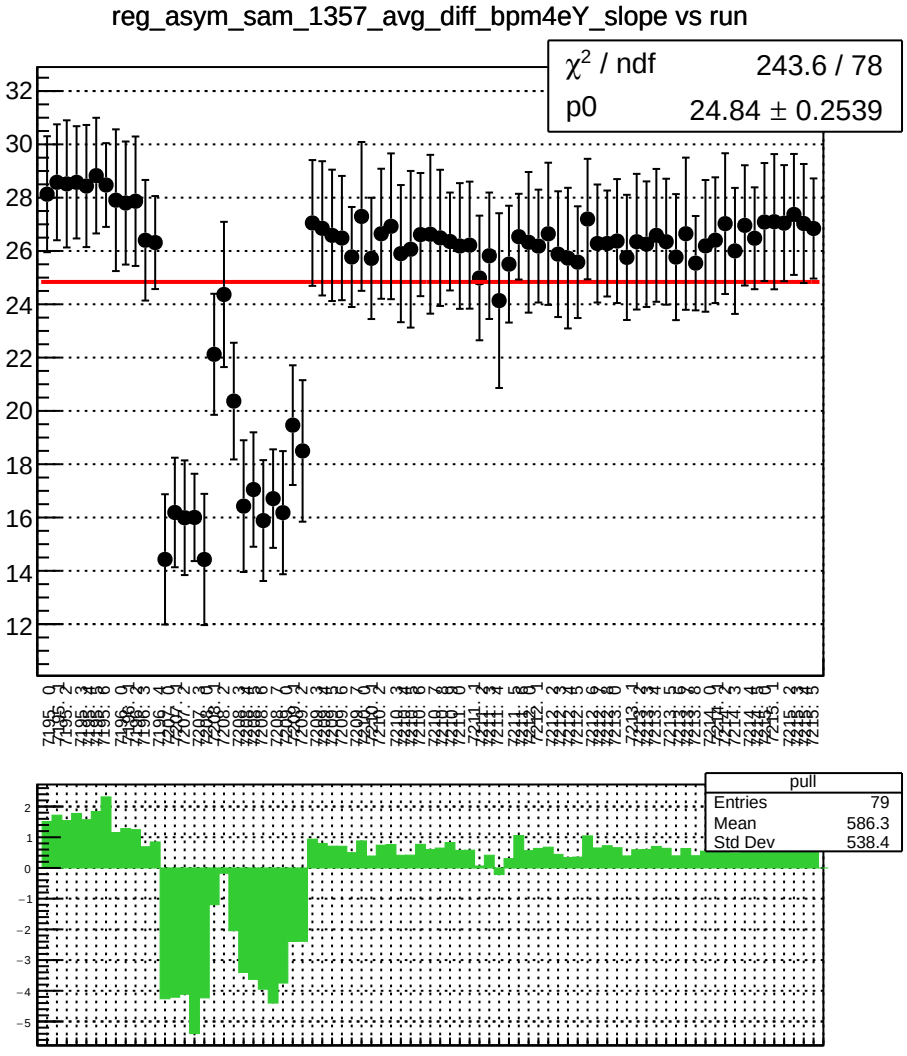

pull1D
Entries 79
Mean 1.051
Std Dev 2.302

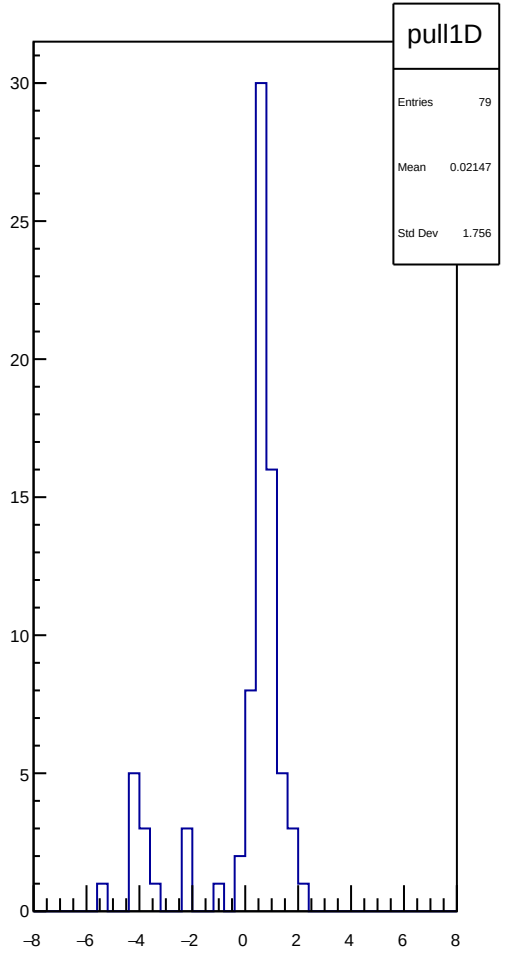

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 253.5 / 78
p0 2.333 ± 0.2284
pull
Entries 79
Mean 1787
Std Dev 1743

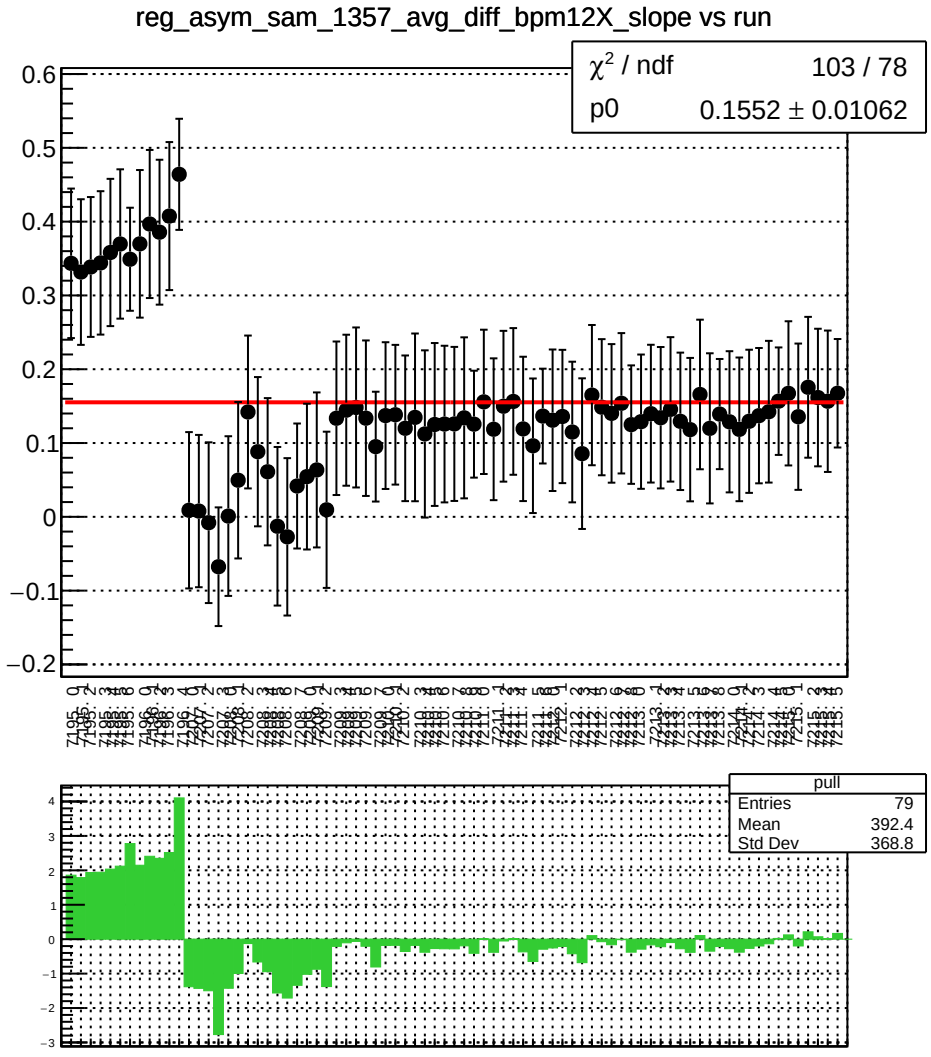

pull1D
Entries 79
Mean −0.008085
Std Dev 1.791

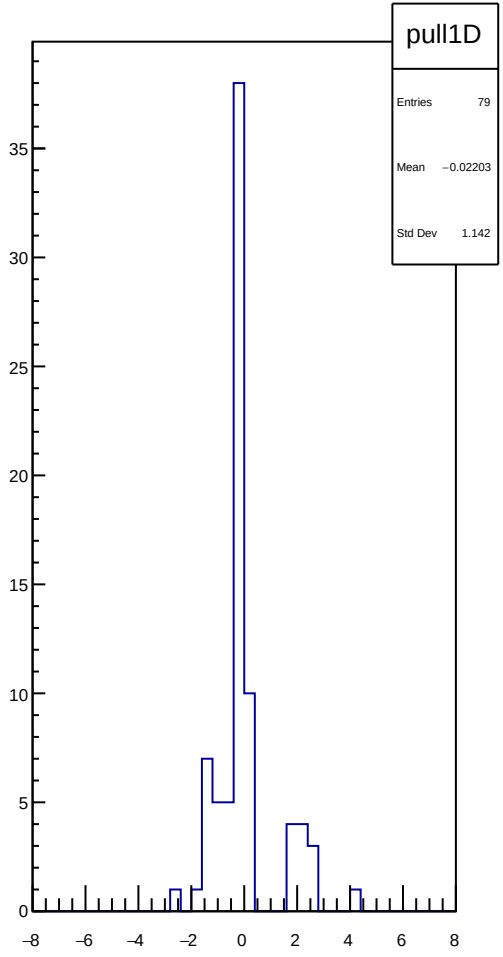

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 827.5 / 78
p0 −20.83 ± 0.3026
pull
Entries 79
Mean 103.5
Std Dev 54.73

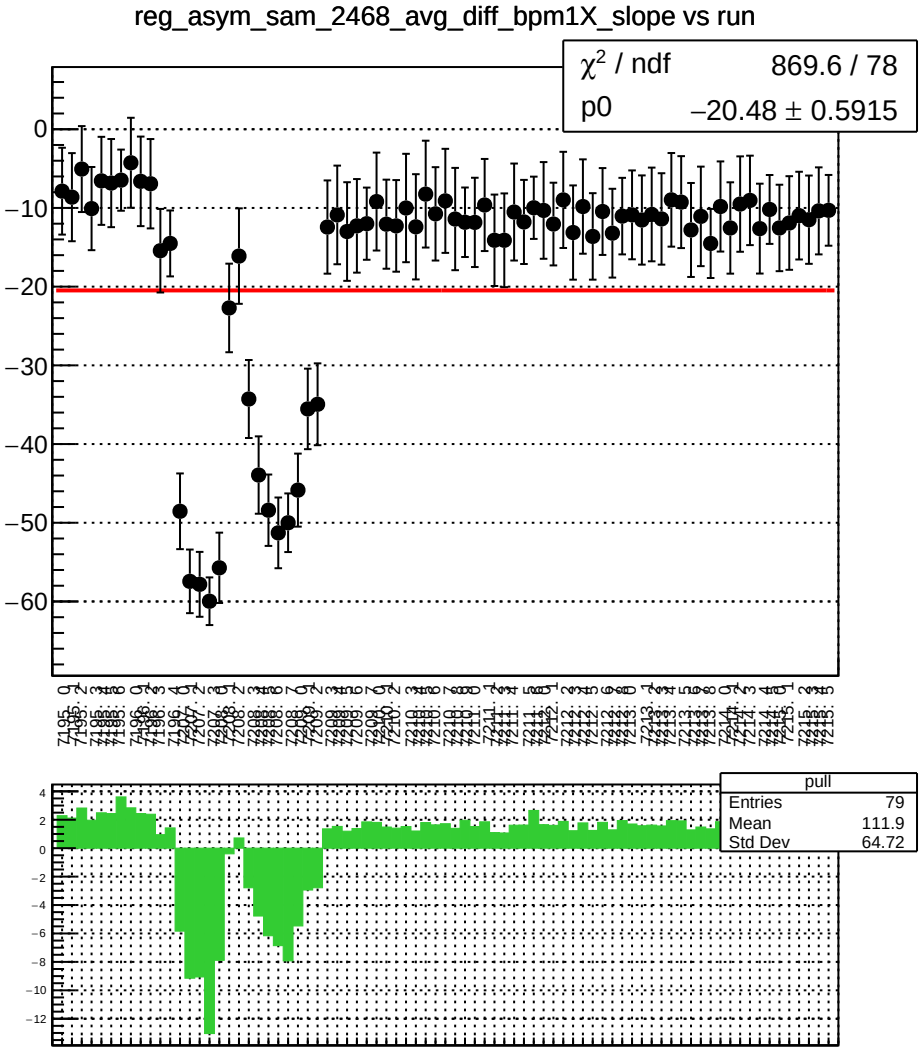

pull1D
Entries 79
Mean −0.7473
Std Dev 2.487

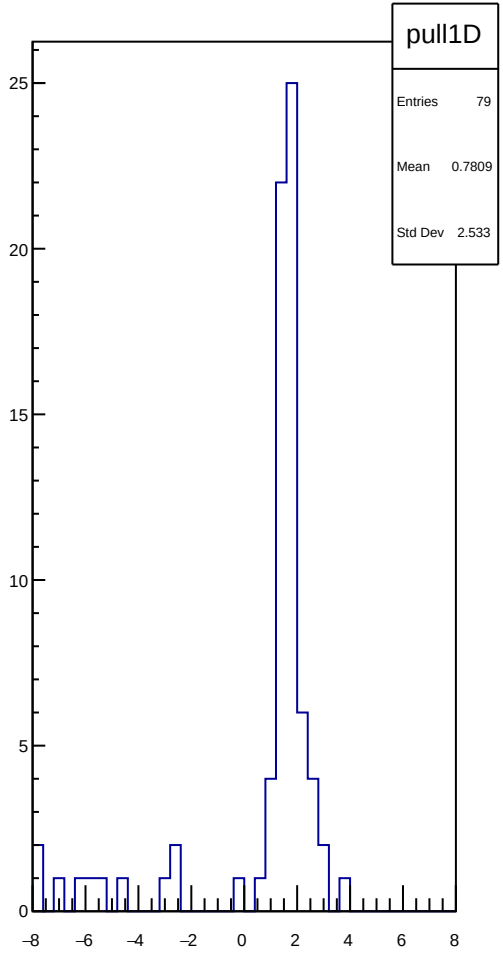

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 243.6 / 78
p0 24.84 ± 0.2539
pull
Entries 79
Mean 586.3
Std Dev 538.4

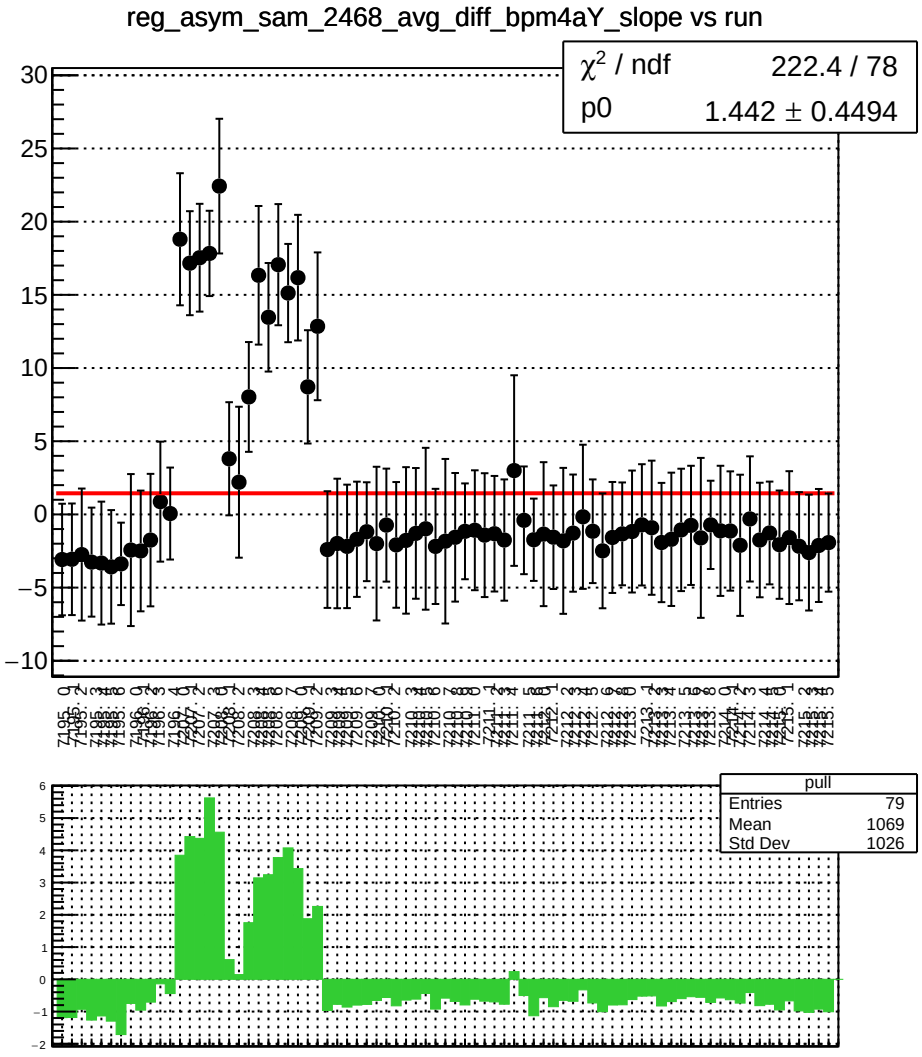

pull1D
Entries 79
Mean 0.02147
Std Dev 1.756

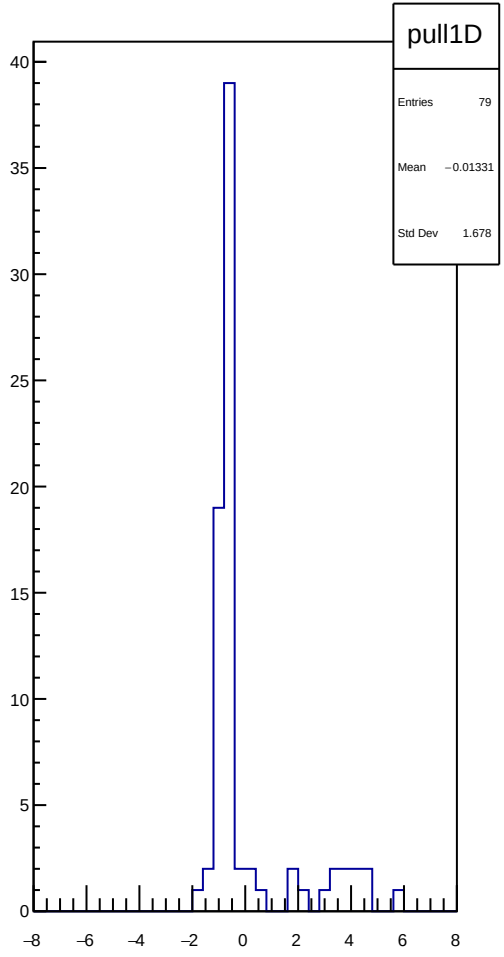

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 103 / 78
p0 0.1552 ± 0.01062
pull
Entries 79
Mean 392.4
Std Dev 368.8


pull1D
Entries 79
Mean −0.02203
Std Dev 1.142

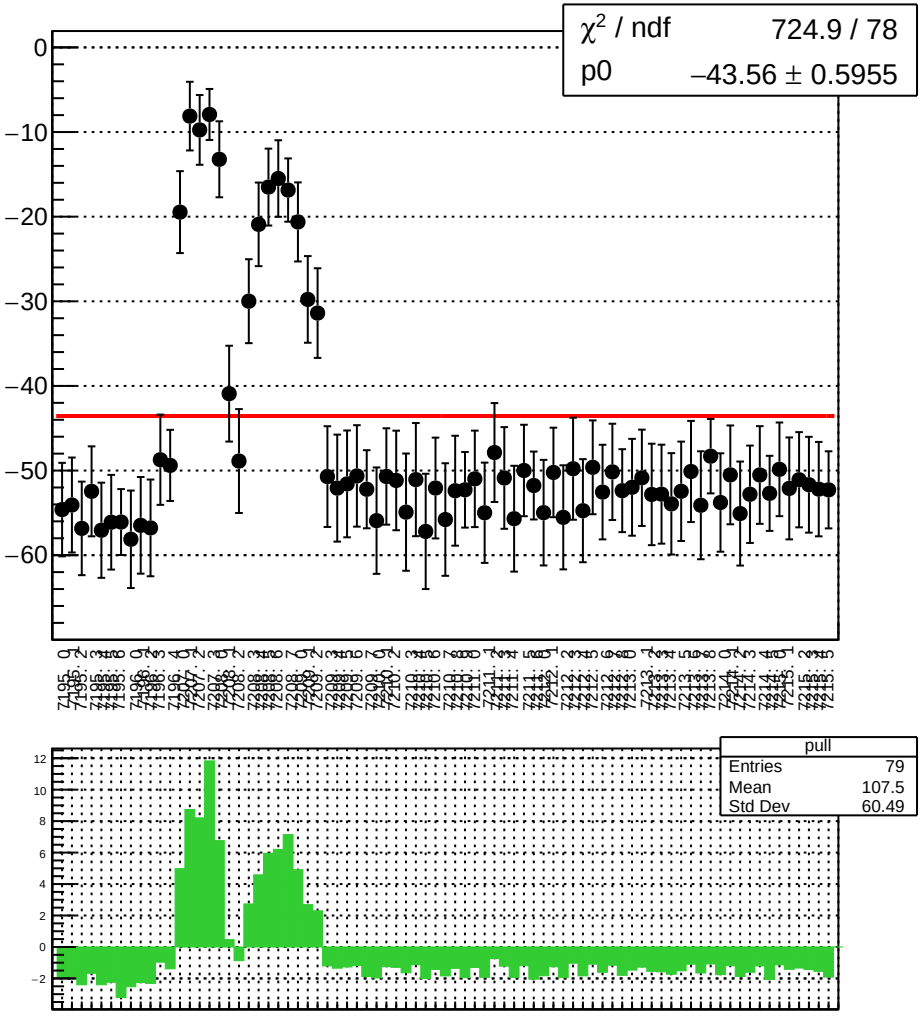

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 869.6 / 78
p0 −20.48 ± 0.5915
pull
Entries 79
Mean 111.9
Std Dev 64.72

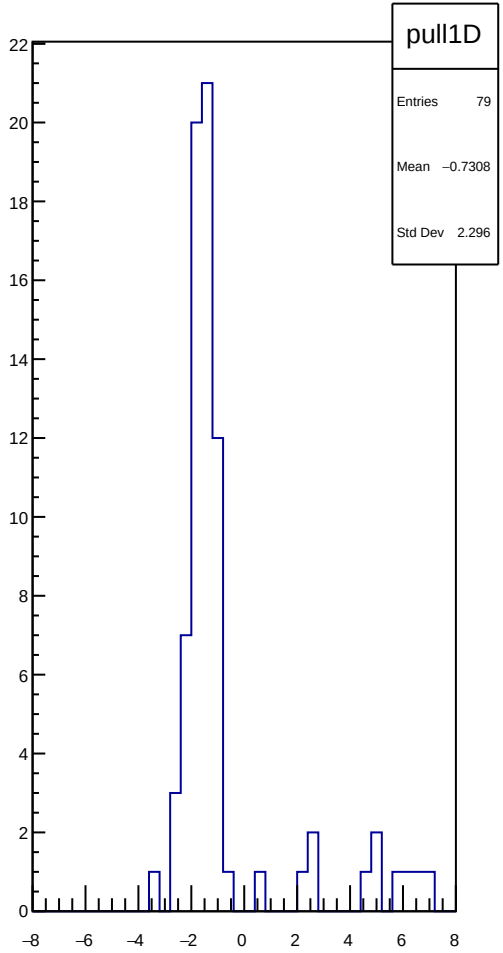

pull1D
Entries 79
Mean 0.7809
Std Dev 2.533

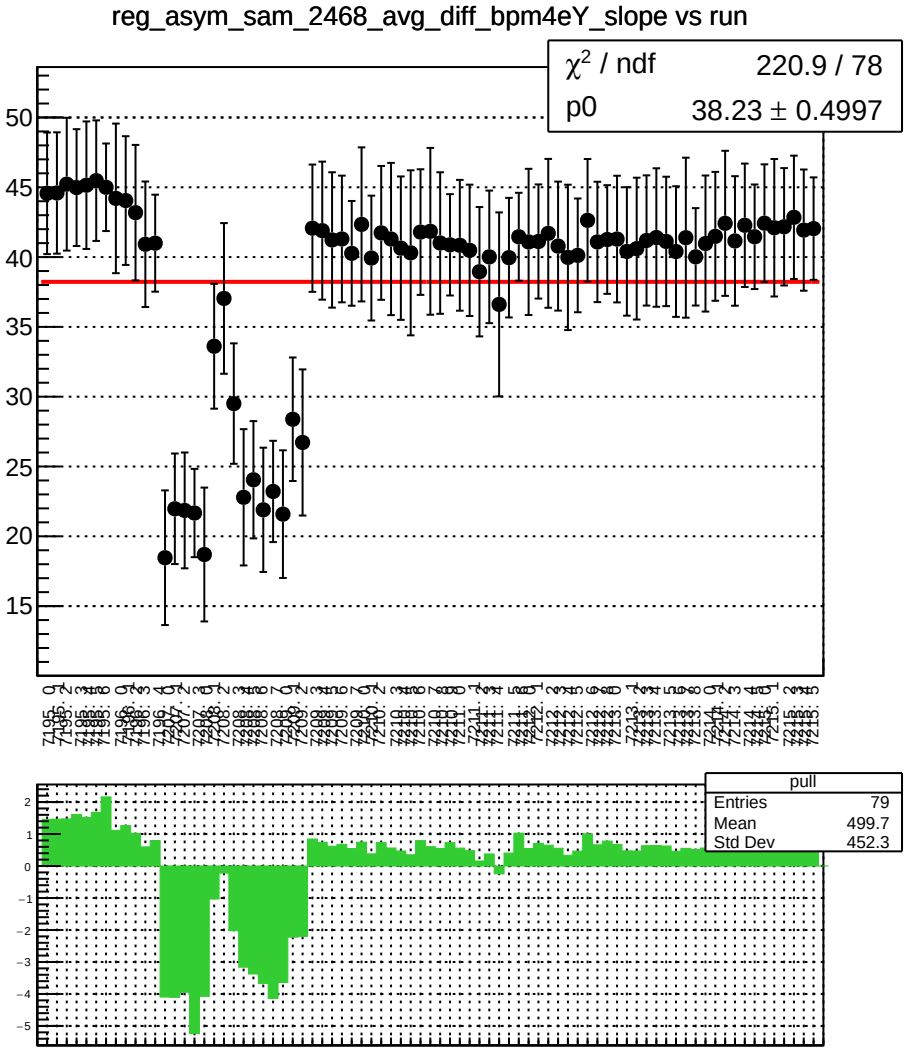

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 222.4 / 78
p0 1.442 ± 0.4494
pull
Entries 79
Mean 1069
Std Dev 1026

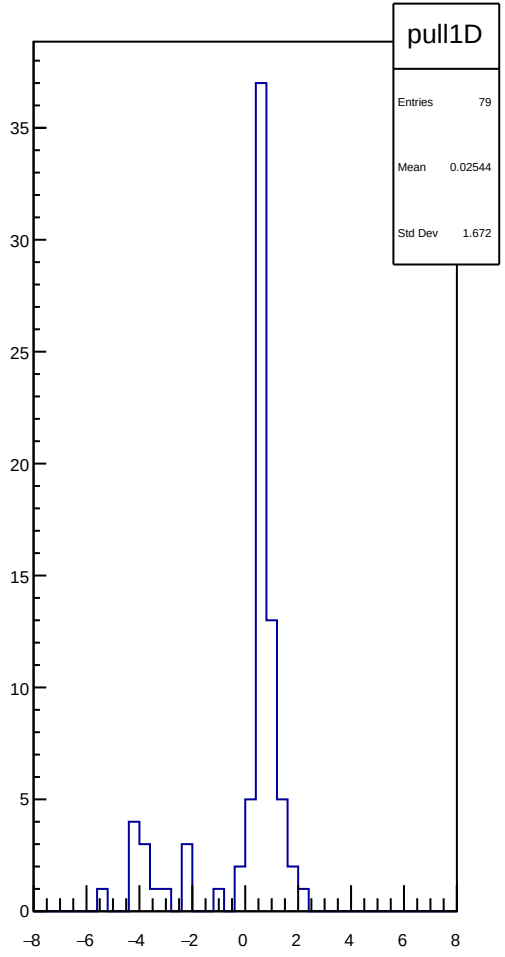

pull1D
Entries 79
Mean −0.01331
Std Dev 1.678

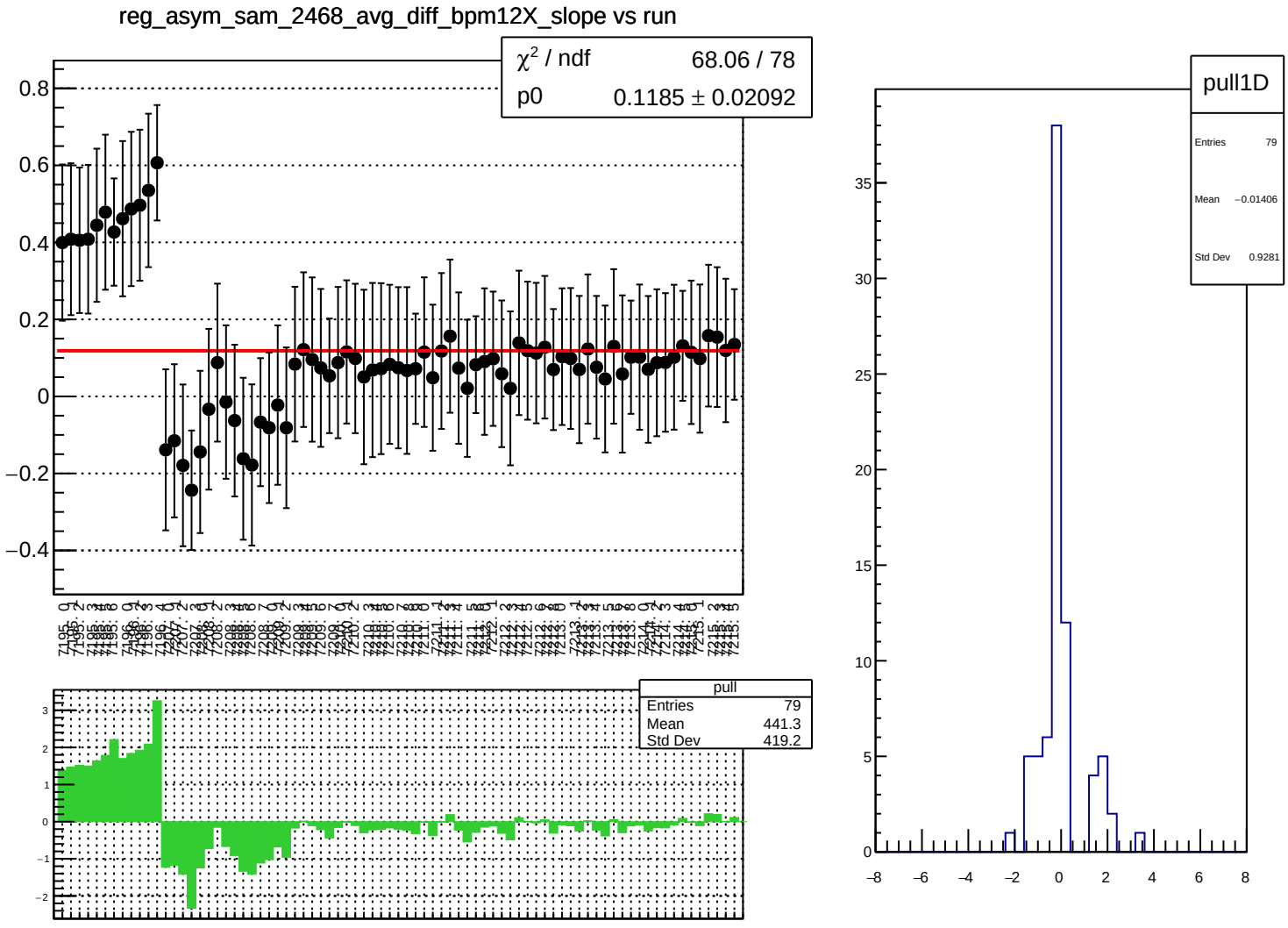
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run



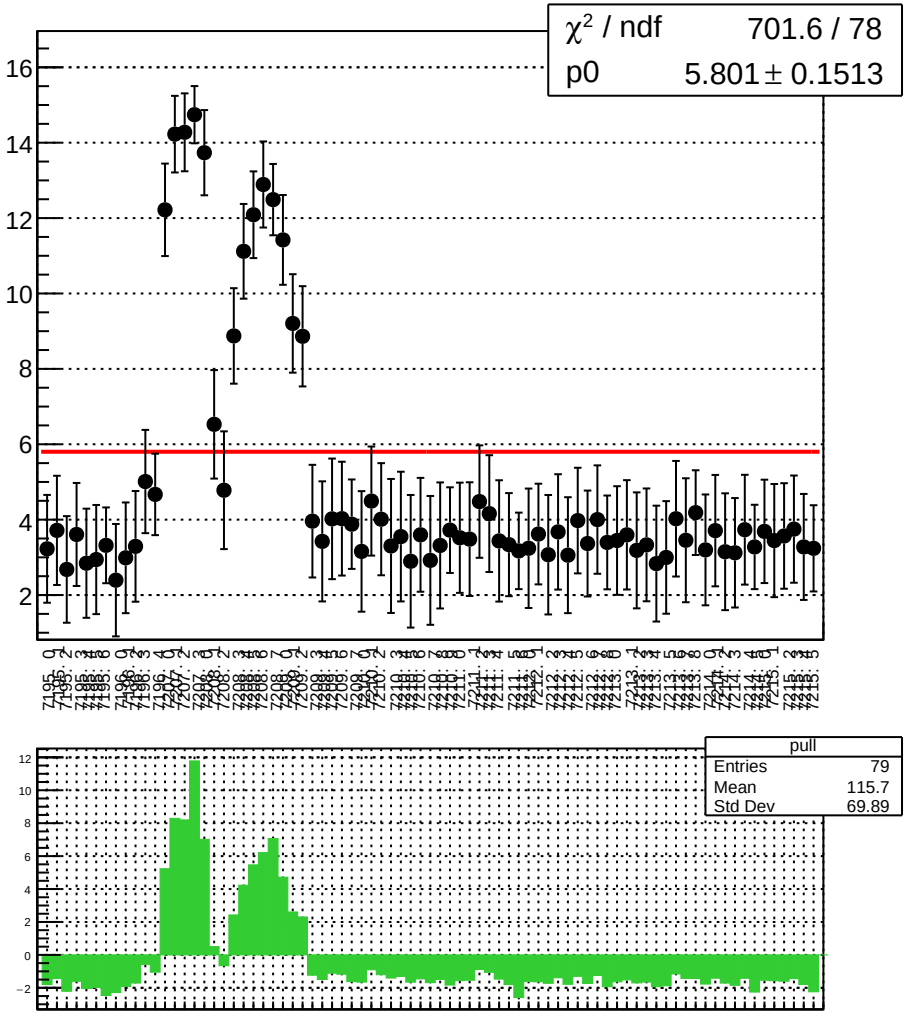


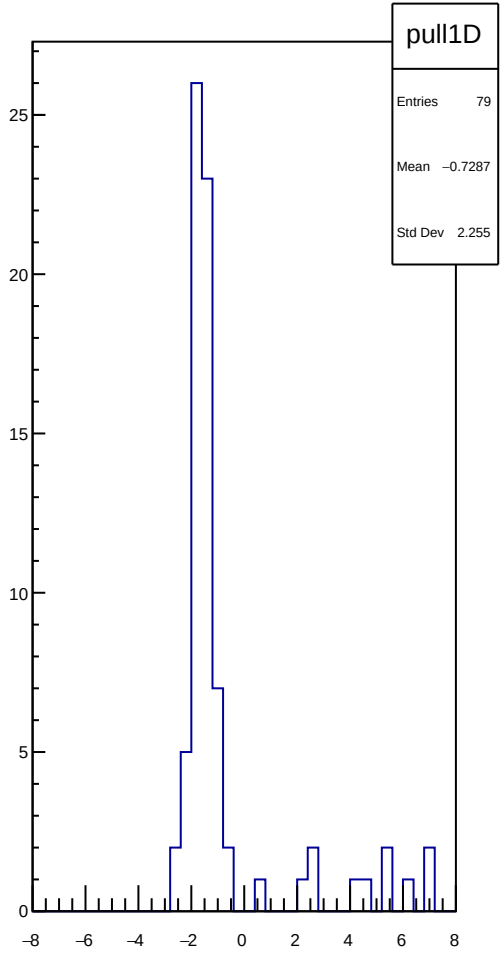

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 220.9 / 78
p0 38.23 ± 0.4997
pull
Entries 79
Mean 499.7
Std Dev 452.3

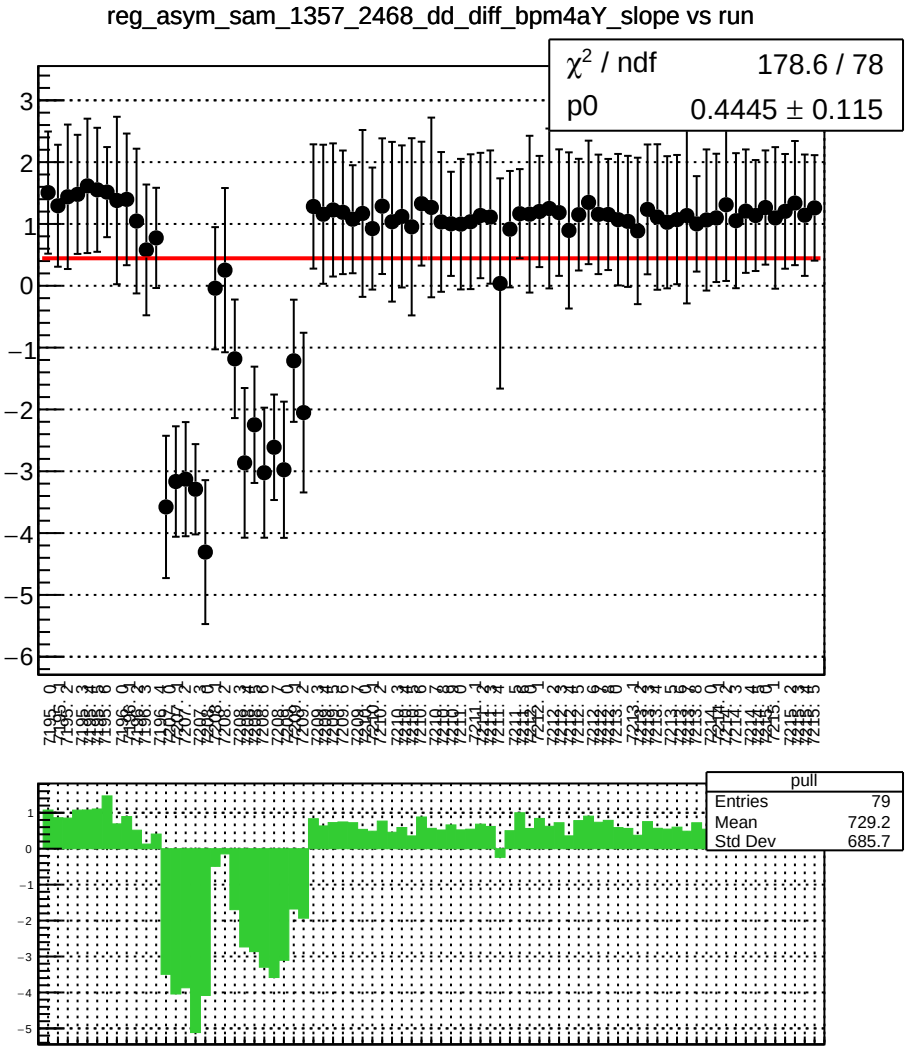

pull1D
Entries 79
Mean 0.02544
Std Dev 1.672

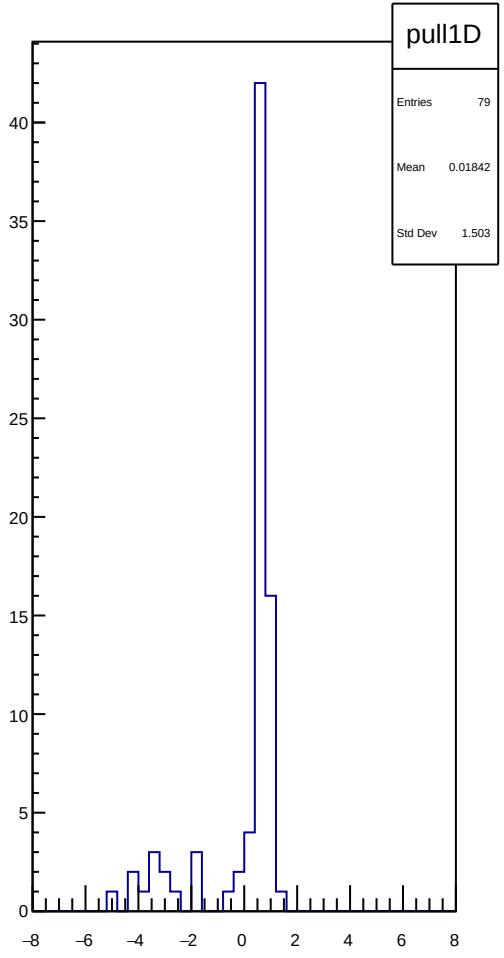

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 68.06 / 78
p0 0.1185 ± 0.02092
pull
Entries 79
Mean 441.3
Std Dev 419.2
pull1D
Entries 79
Mean −0.01406
Std Dev 0.9281

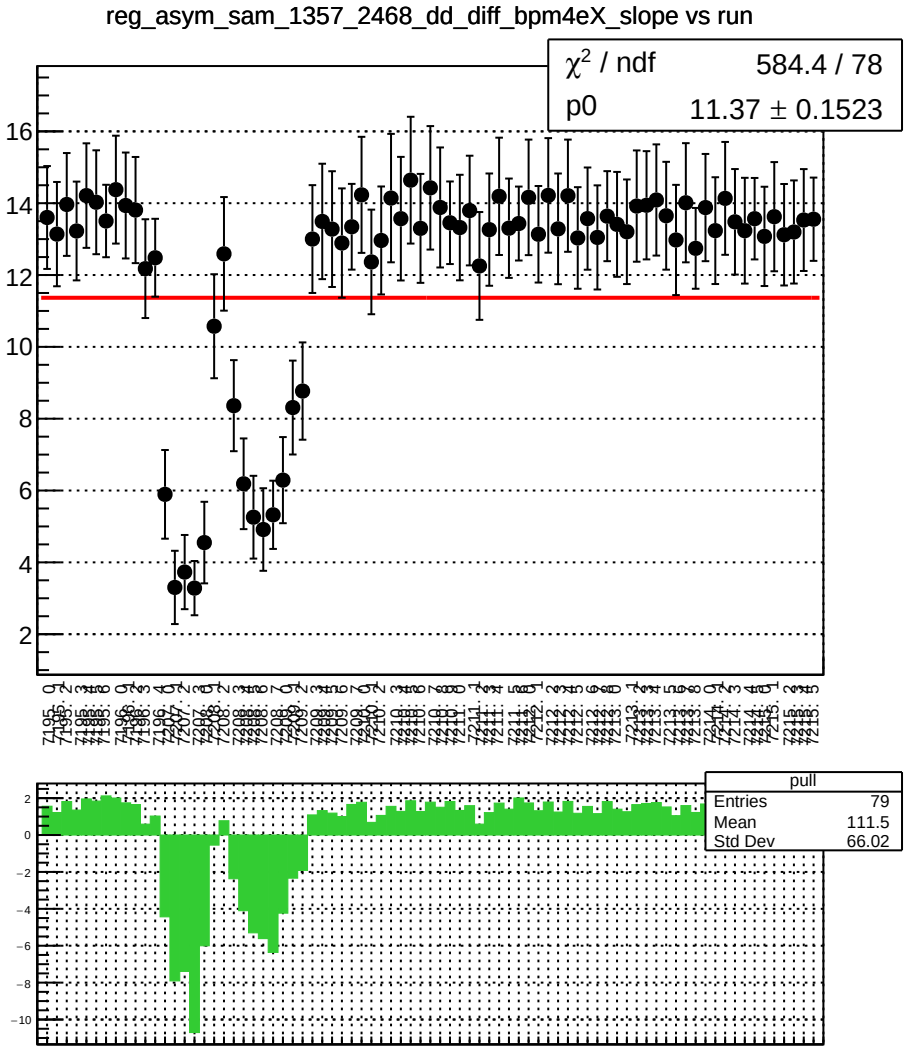
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run

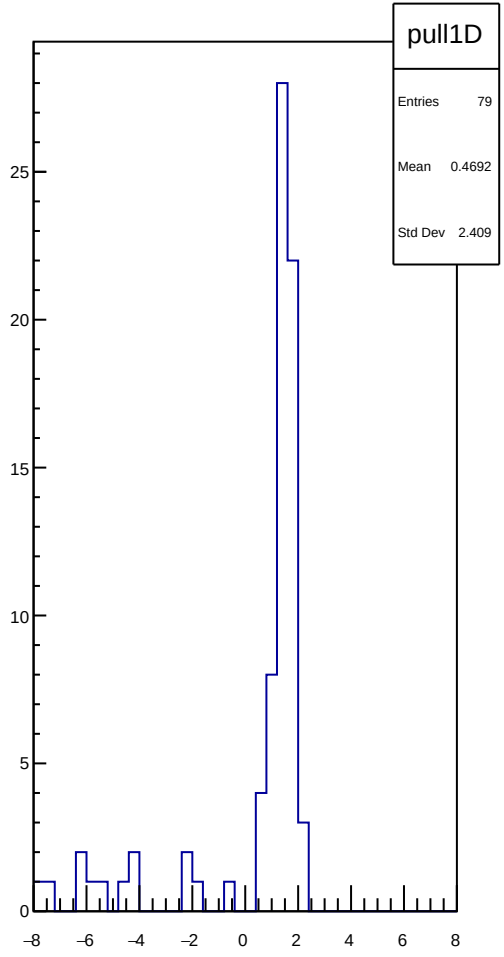




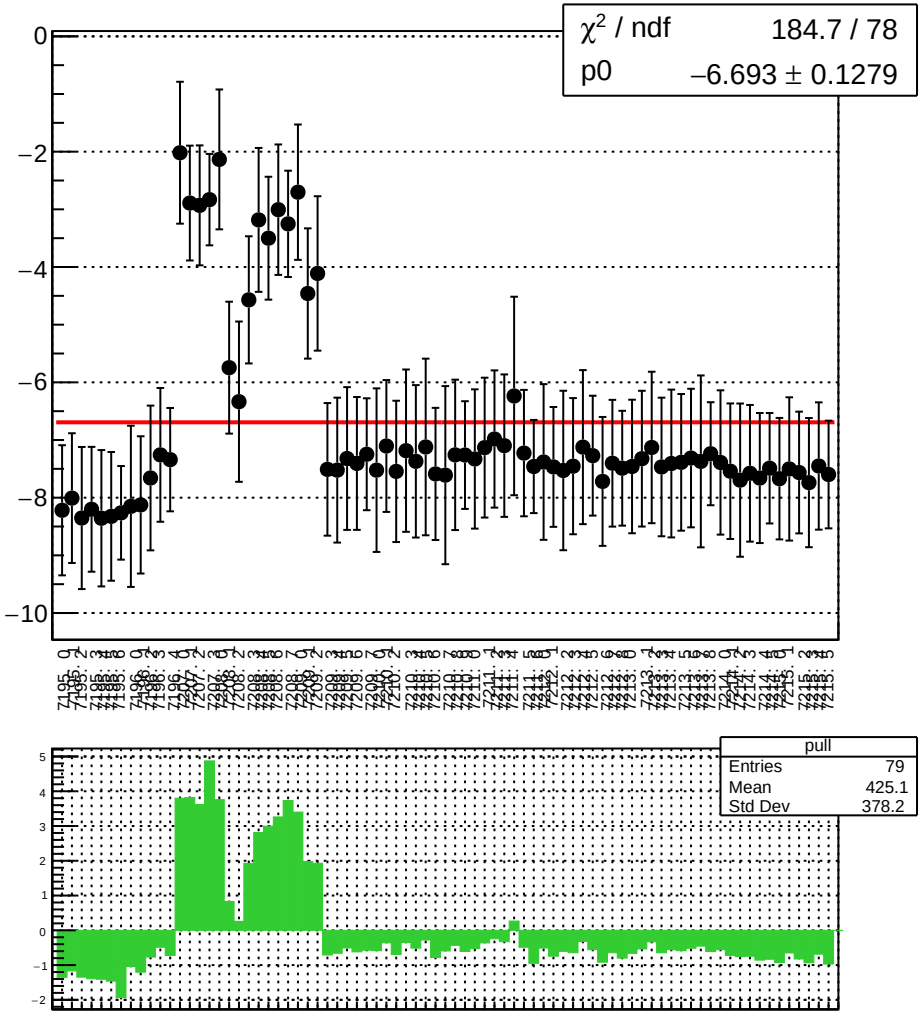

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 178.6 / 78
p0 0.4445 ± 0.115
pull
Entries 79
Mean 729.2
Std Dev 685.7

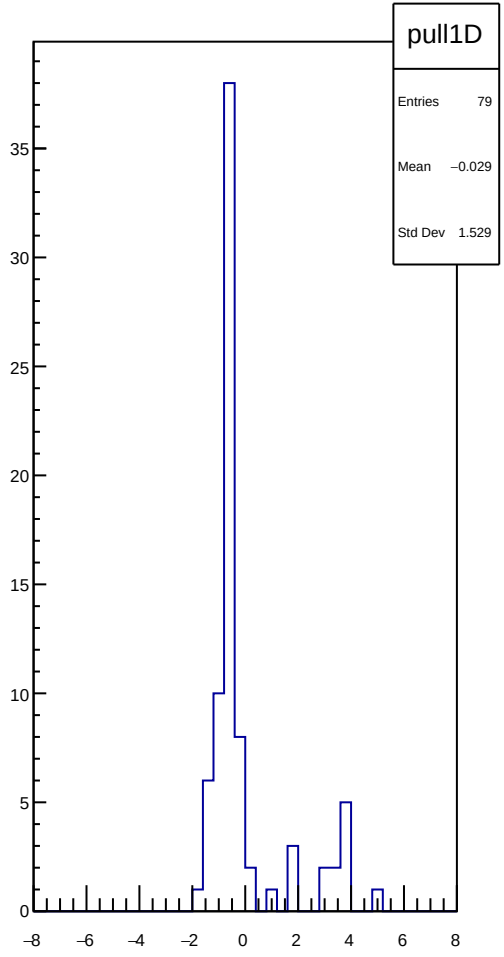

pull1D
Entries 79
Mean 0.01842
Std Dev 1.503

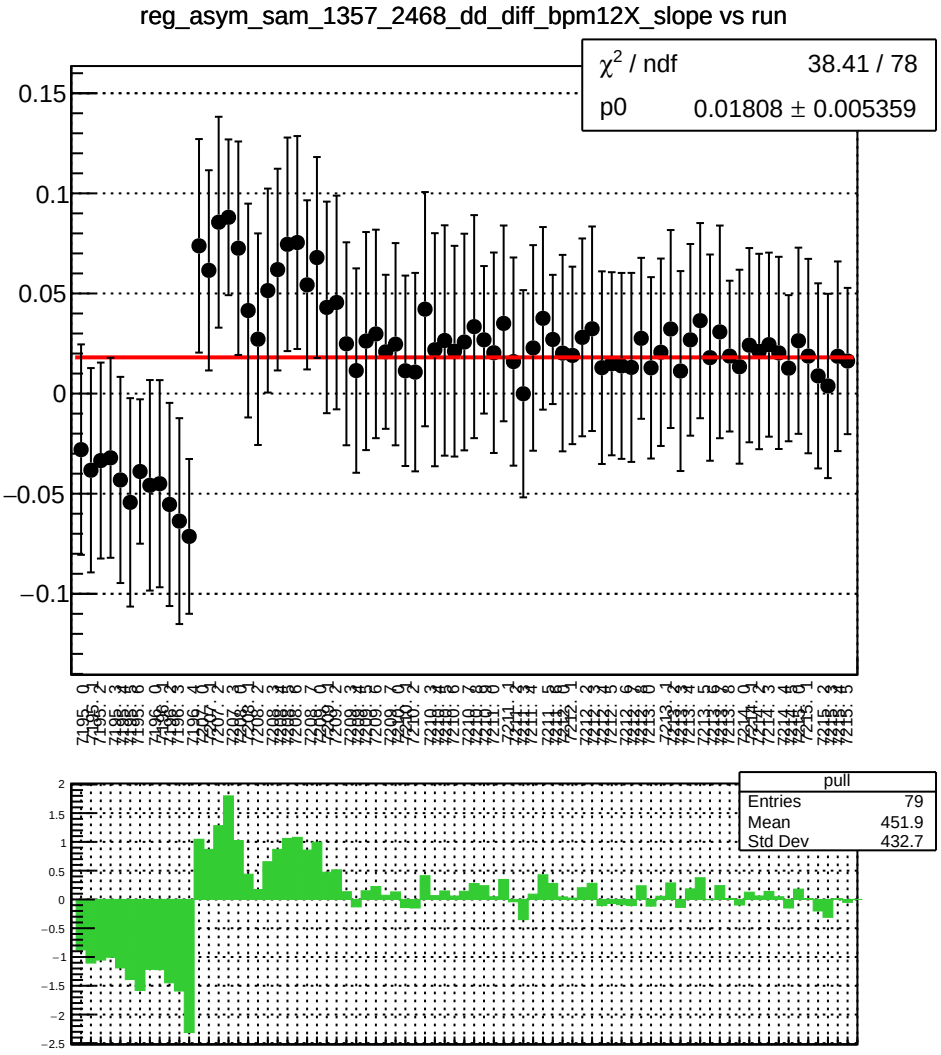

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 584.4 / 78
p0 11.37 ± 0.1523
pull
Entries 79
Mean 111.5
Std Dev 66.02

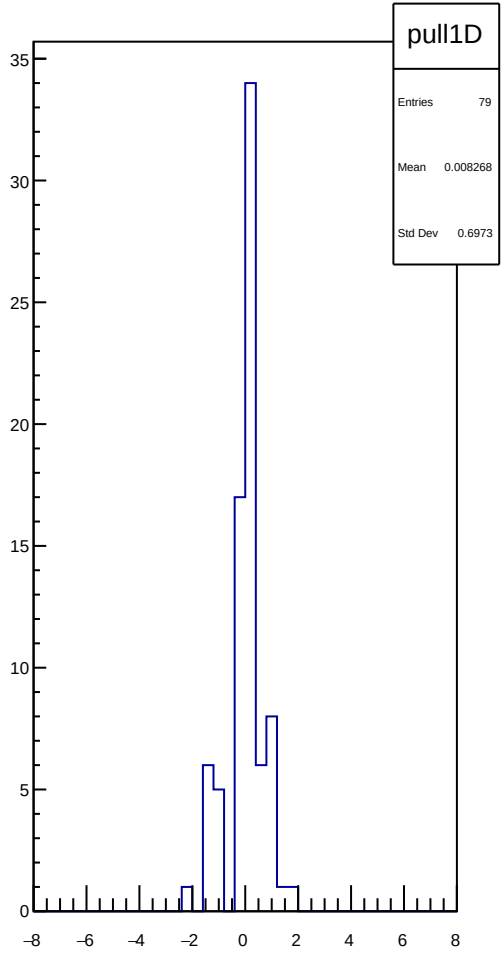

pull1D
Entries 79
Mean 0.4692
Std Dev 2.409

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

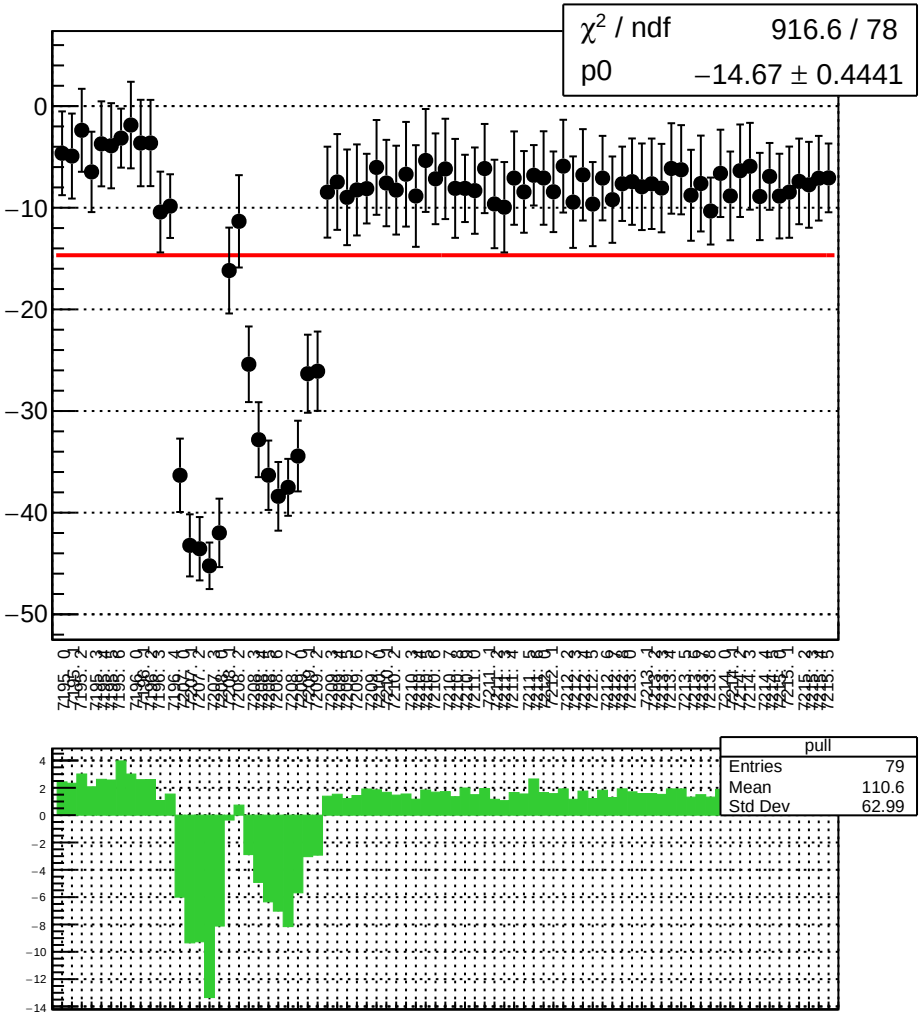


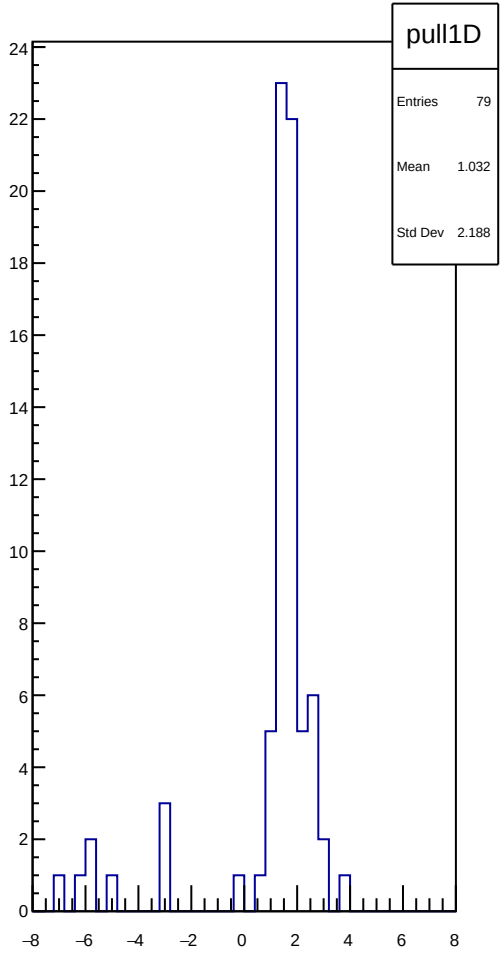



reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 38.41 / 78
p0 0.01808 ± 0.005359
pull
Entries 79
Mean 451.9
Std Dev 432.7

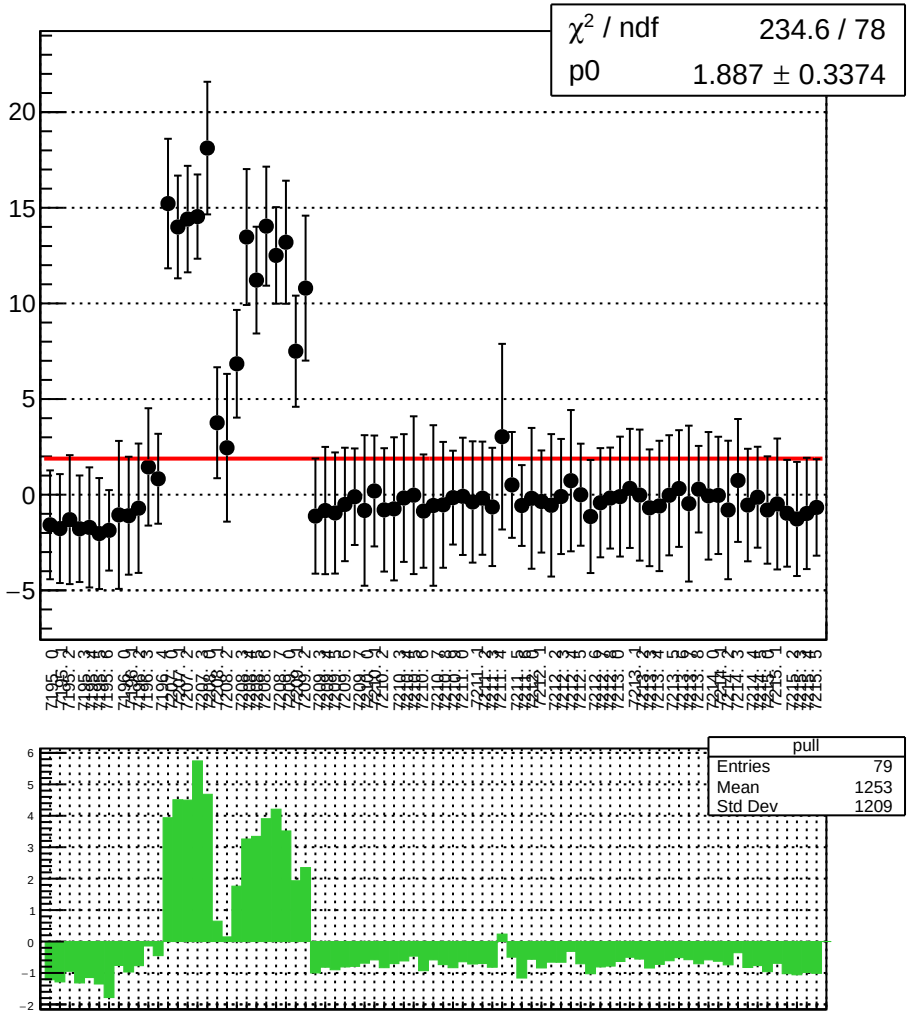

pull1D
Entries 79
Mean 0.008268
Std Dev 0.6973

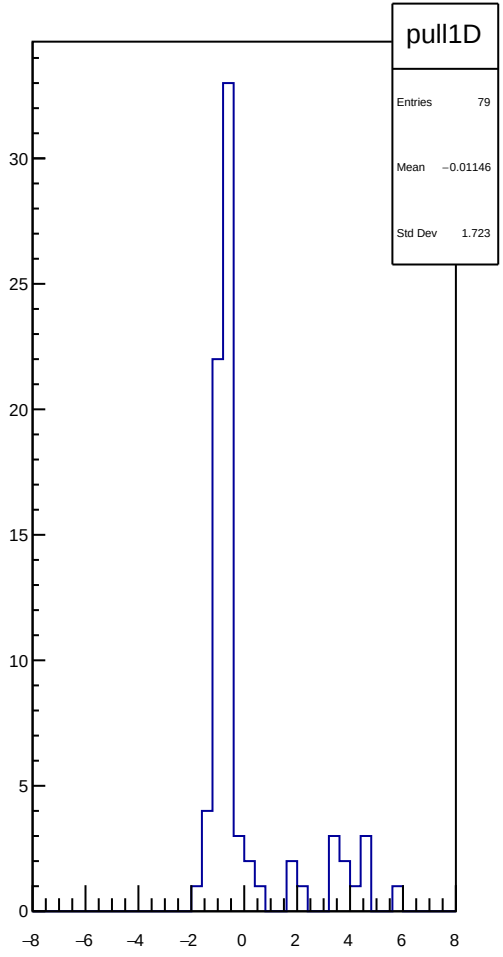
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run



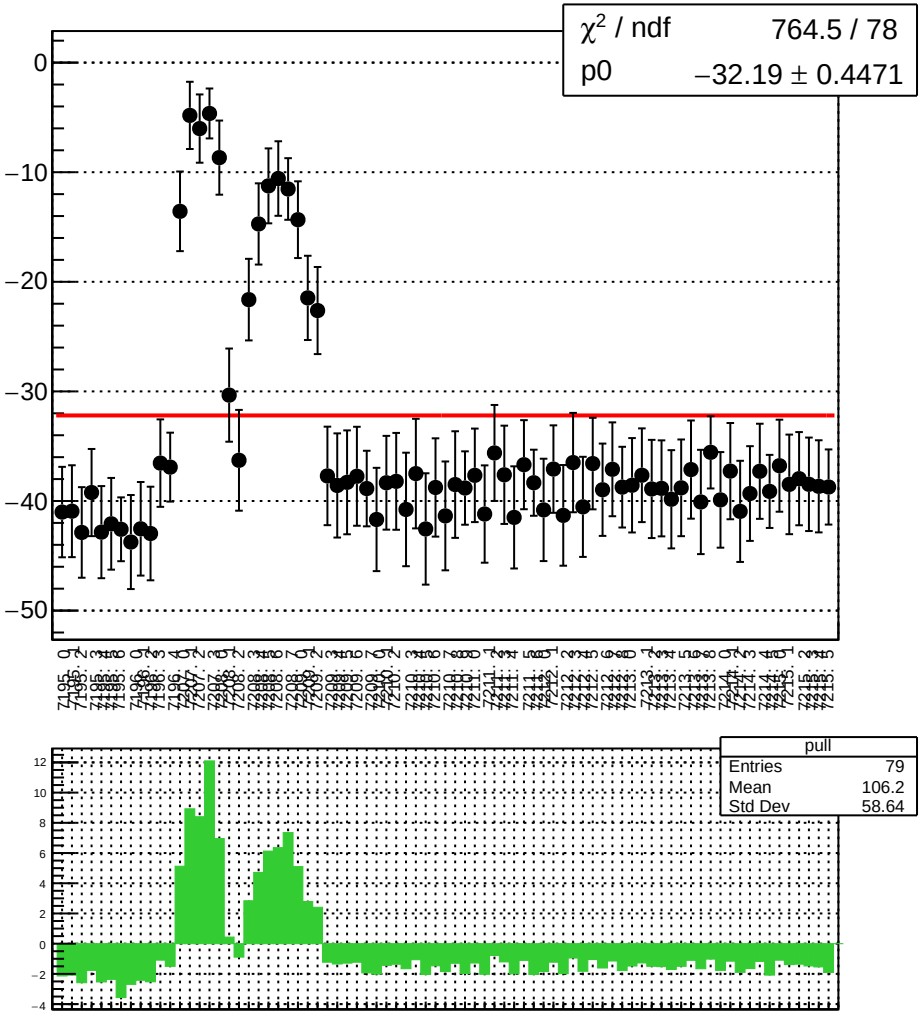


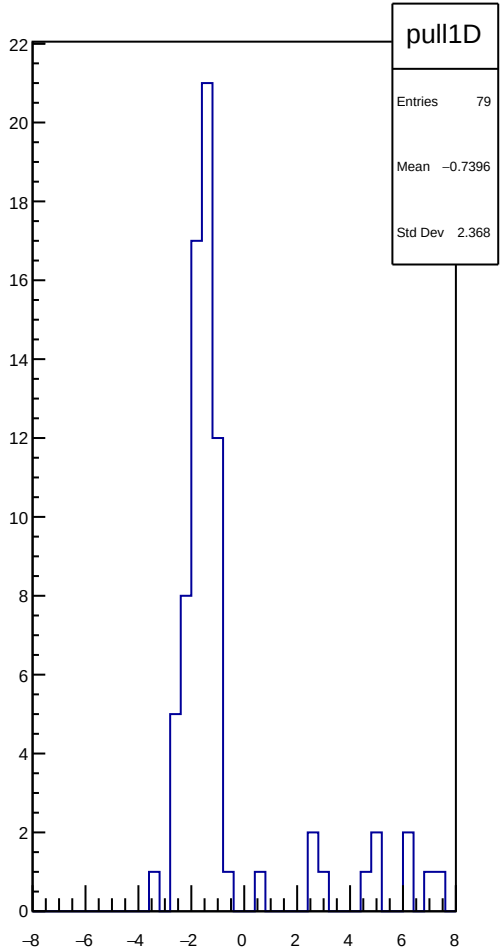
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run



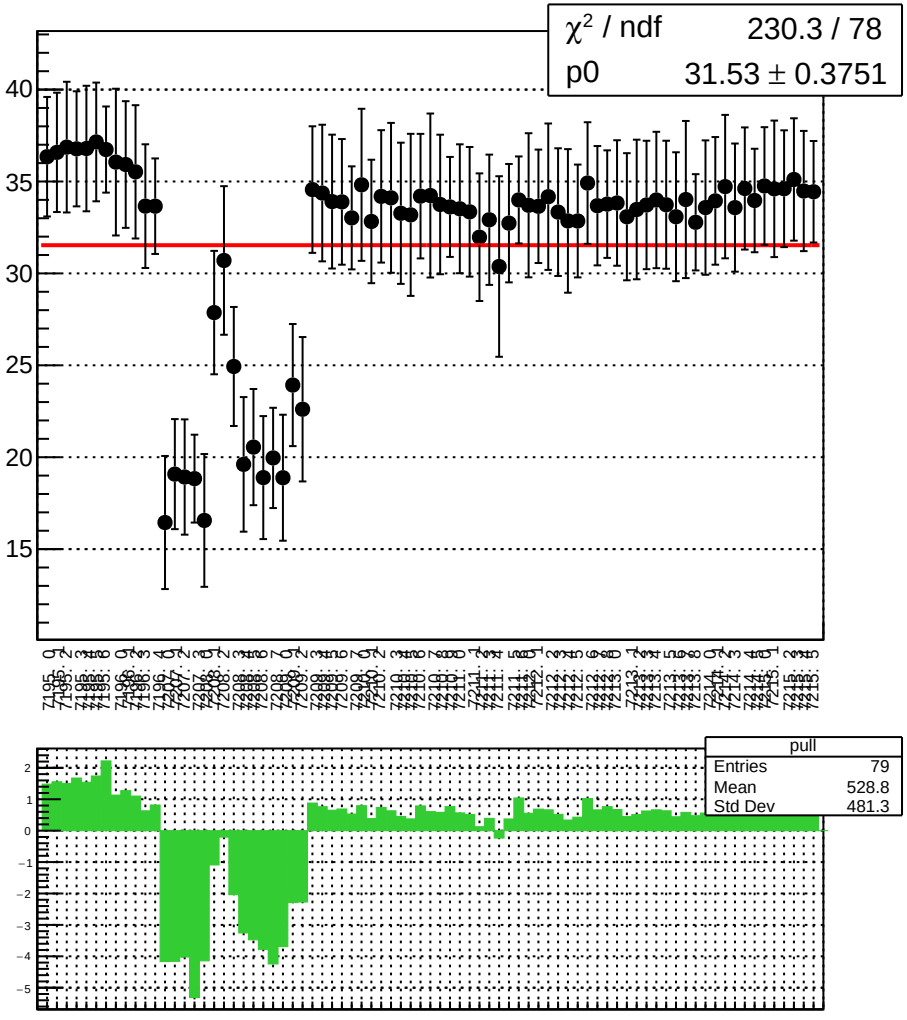


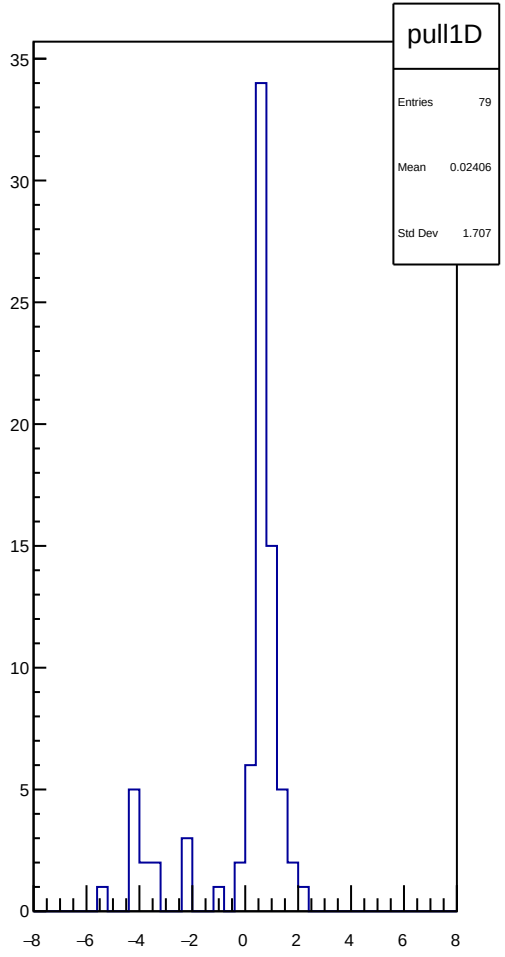
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

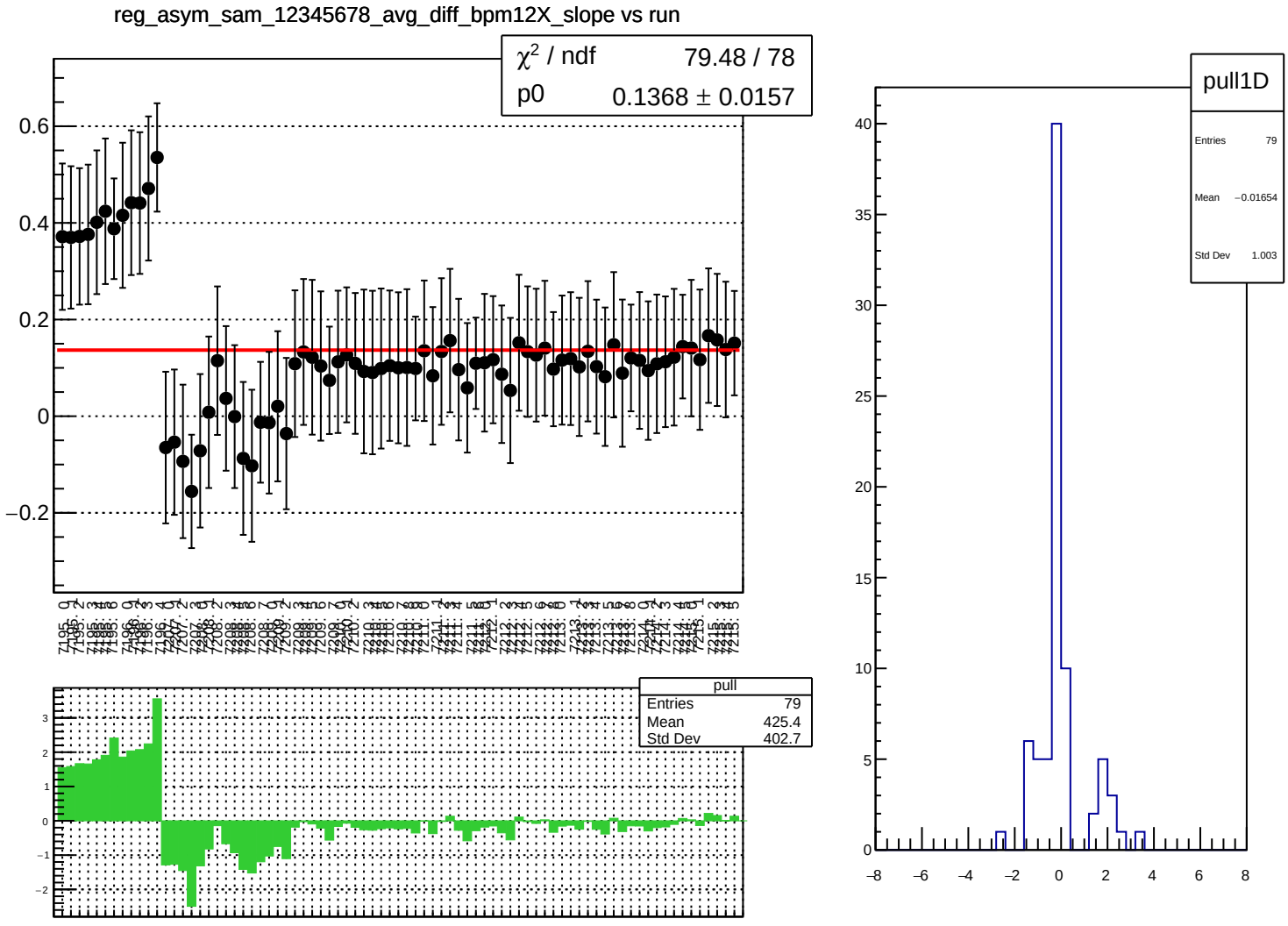


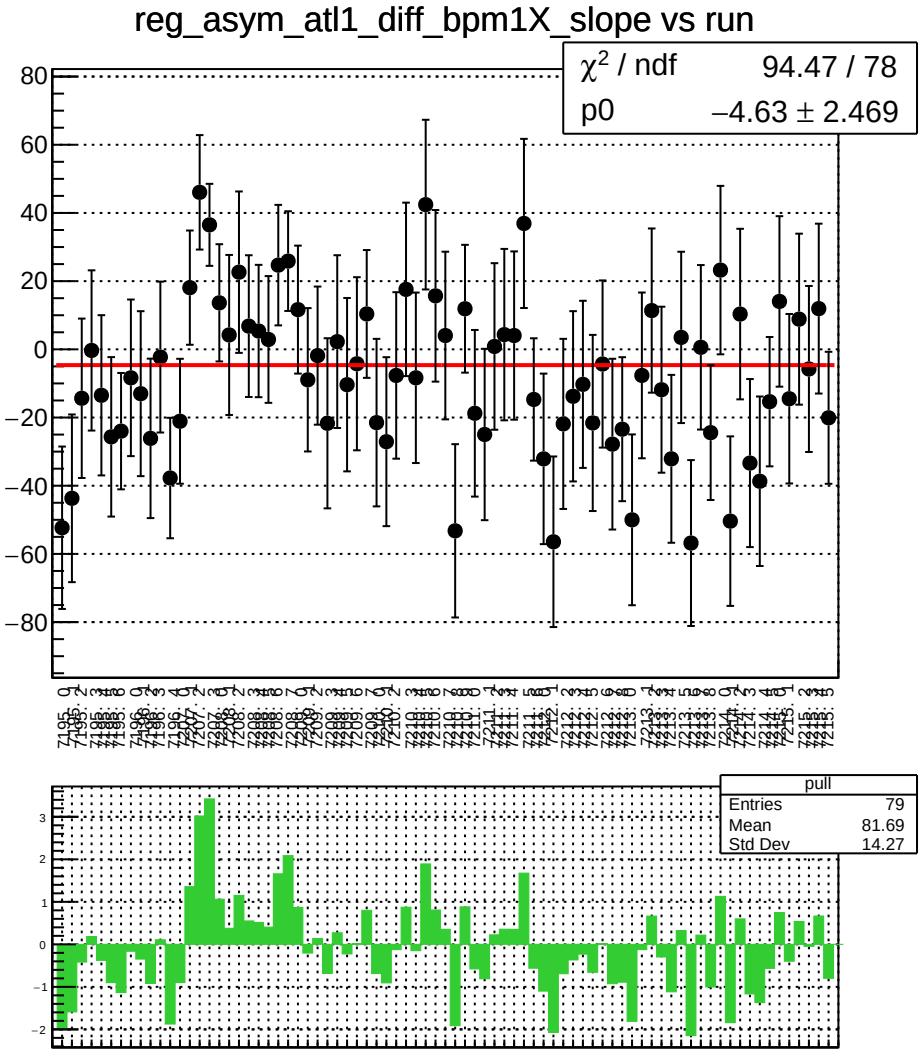


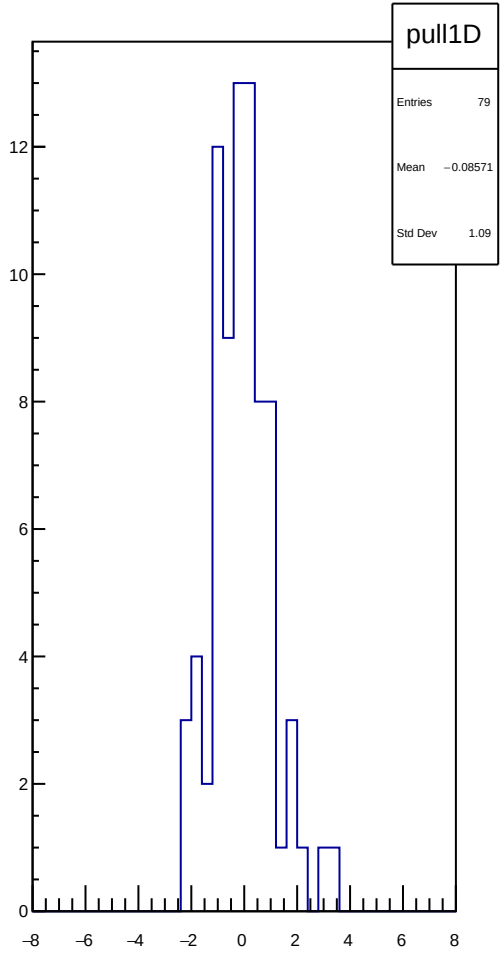
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

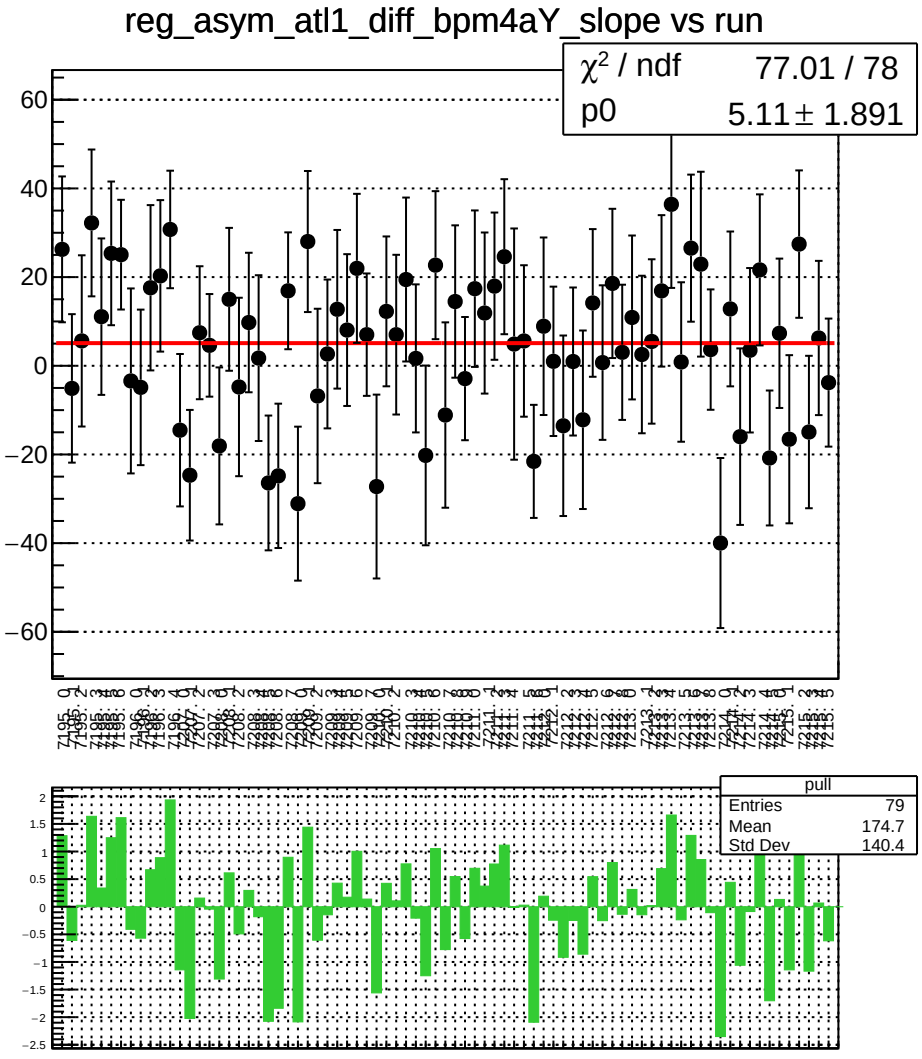


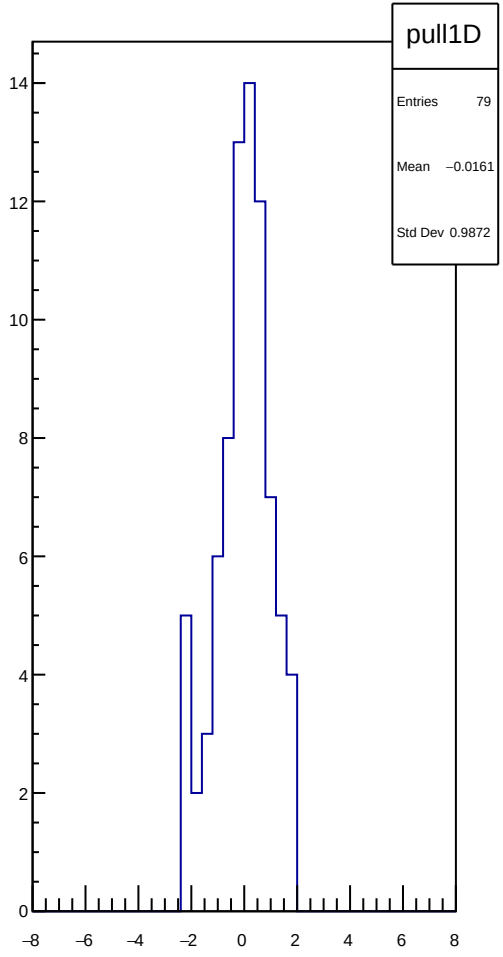


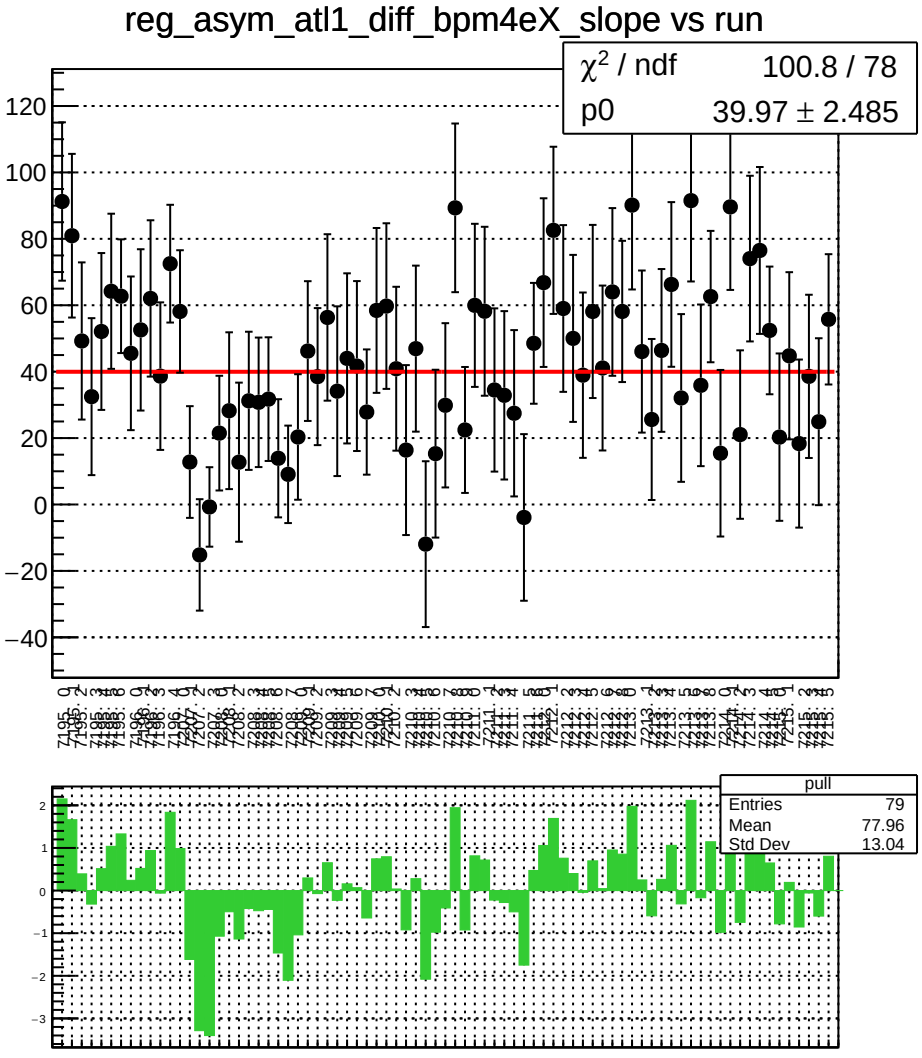

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 79.48 / 78
p0 0.1368 ± 0.0157
pull
Entries 79
Mean 425.4
Std Dev 402.7
pull1D
Entries 79
Mean −0.01654
Std Dev 1.003

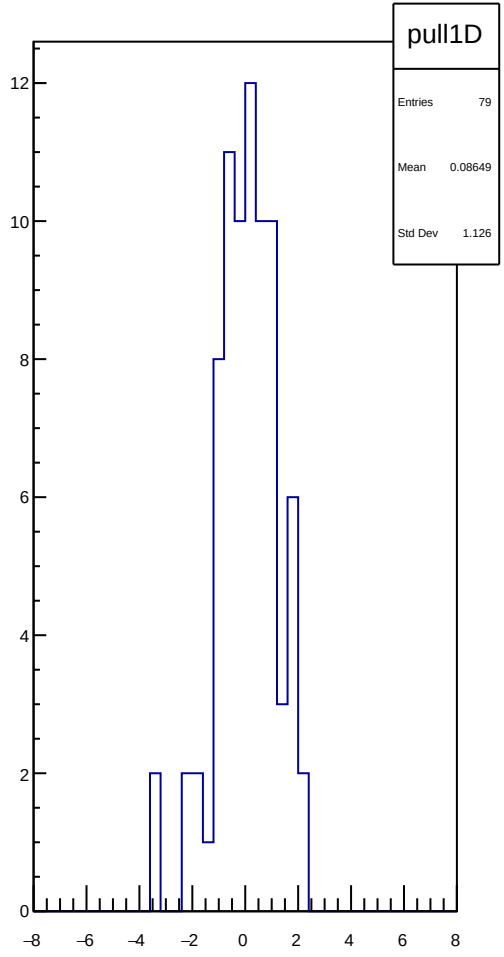

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 94.47 / 78
p0 −4.63 ± 2.469
pull
Entries 79
Mean 81.69
Std Dev 14.27

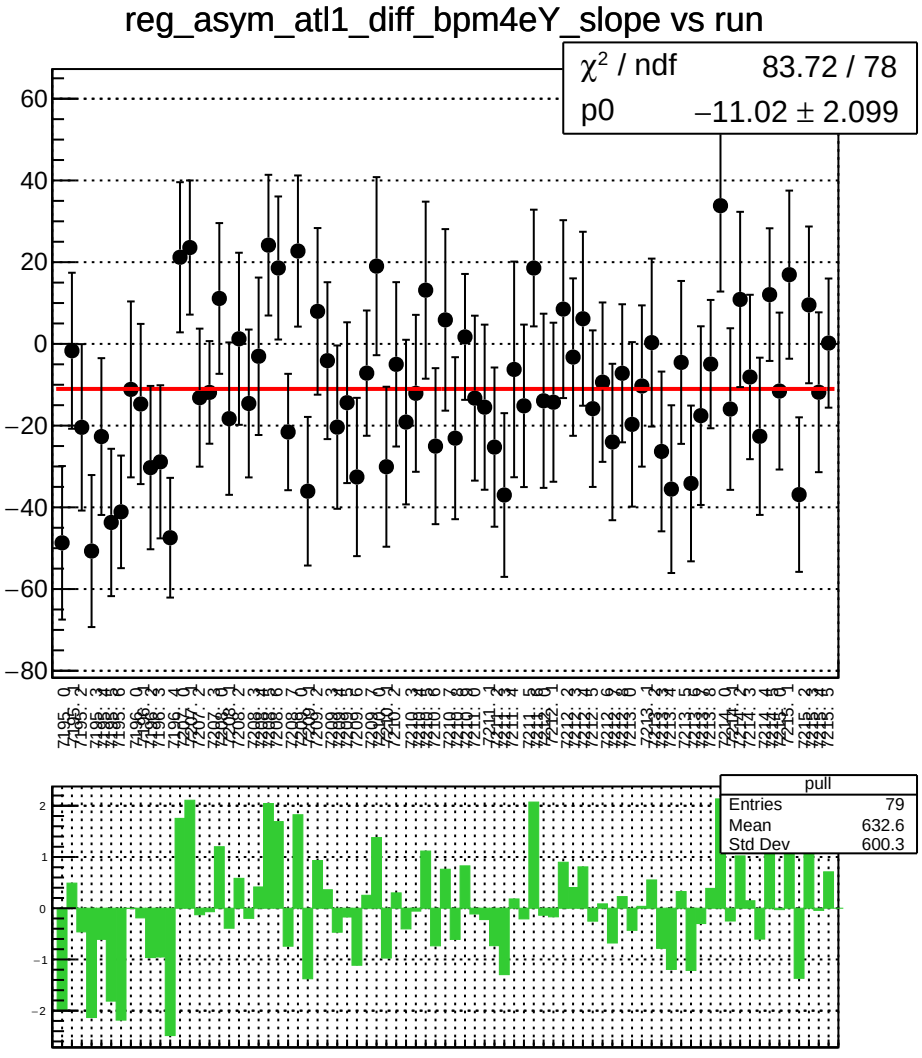

pull1D
Entries 79
Mean −0.08571
Std Dev 1.09

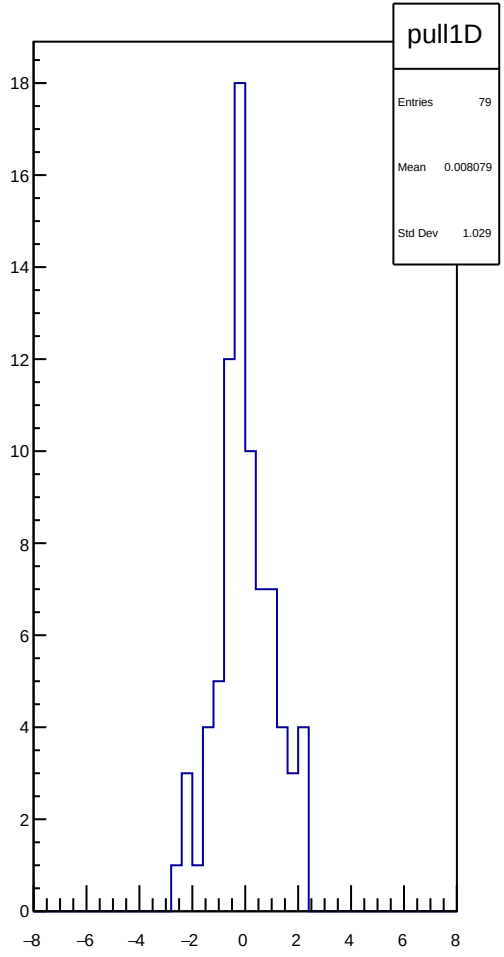

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 77.01 / 78
p0 5.11 ± 1.891
pull
Entries 79
Mean 174.7
Std Dev 140.4

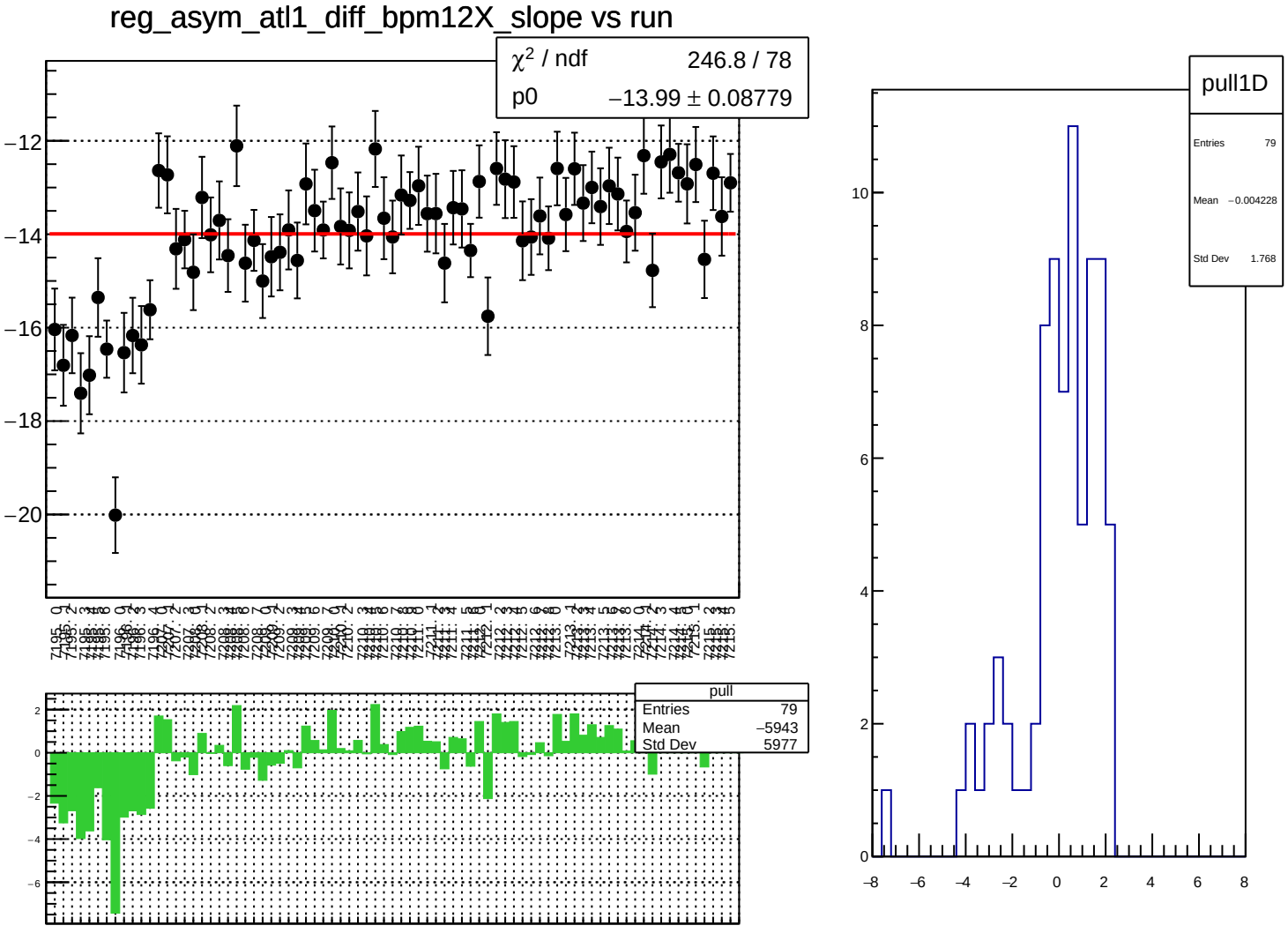

pull1D
Entries 79
Mean −0.0161
Std Dev 0.9872

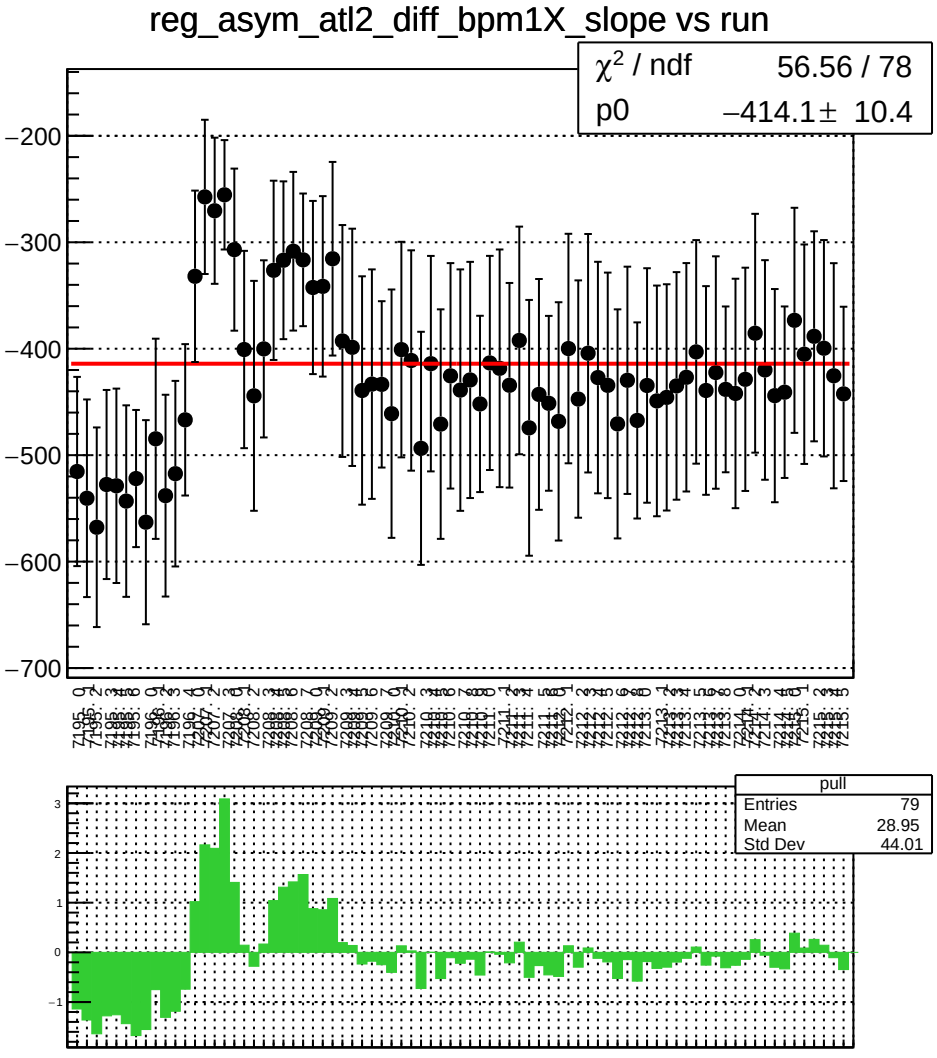

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 100.8 / 78
p0 39.97 ± 2.485
pull
Entries 79
Mean 77.96
Std Dev 13.04

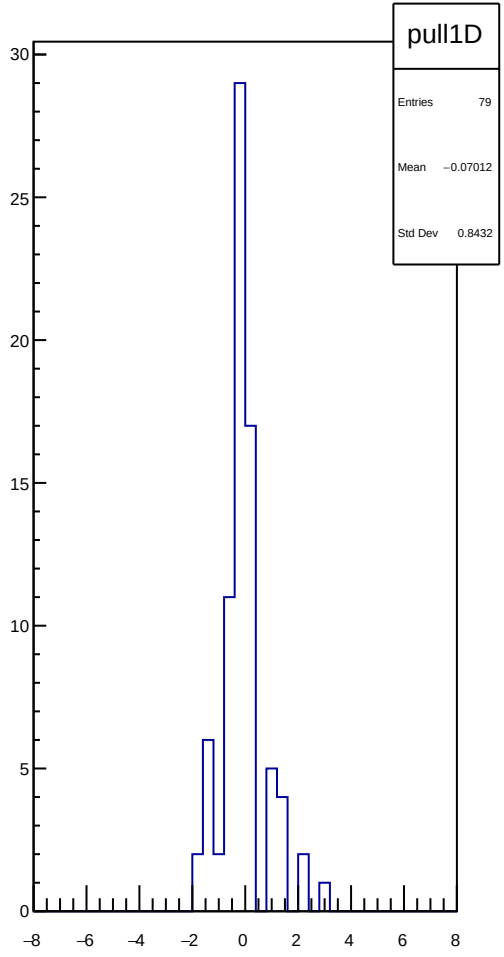

pull1D
Entries 79
Mean 0.08649
Std Dev 1.126

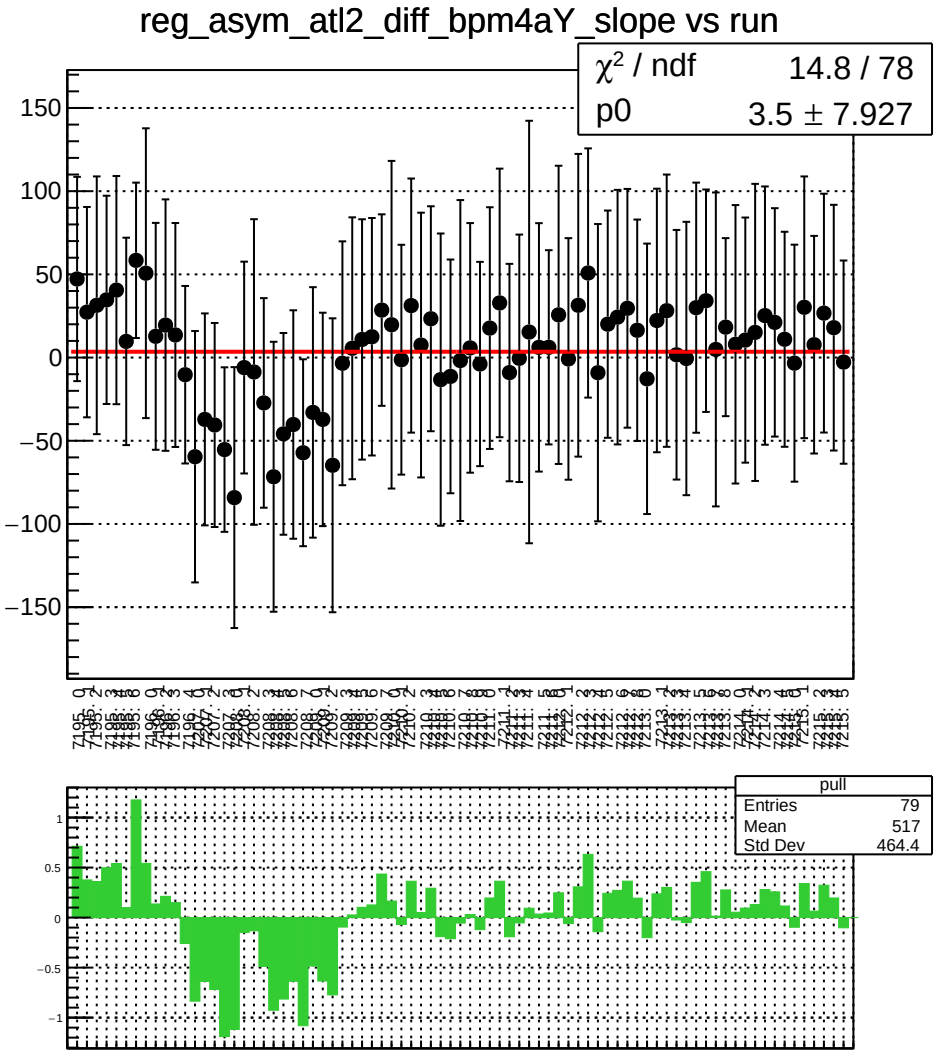

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 83.72 / 78
p0 −11.02 ± 2.099
pull
Entries 79
Mean 632.6
Std Dev 600.3

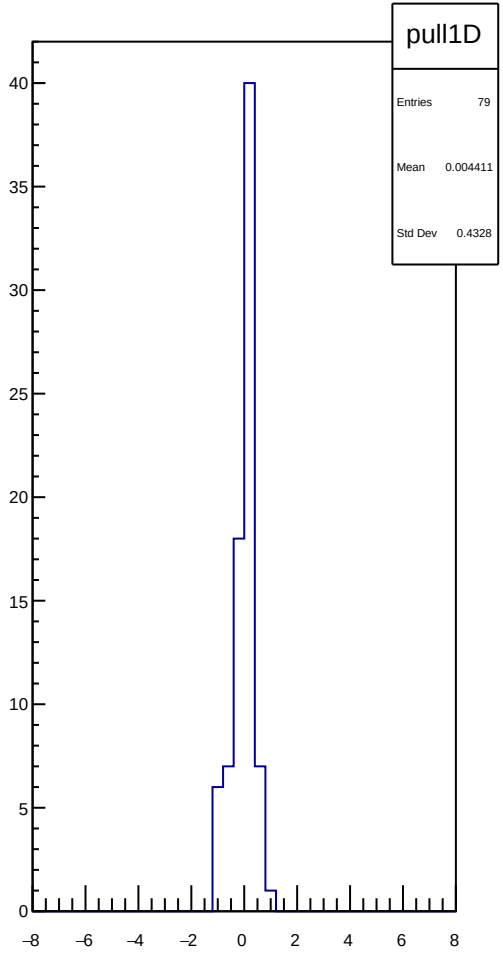

pull1D
Entries 79
Mean 0.008079
Std Dev 1.029

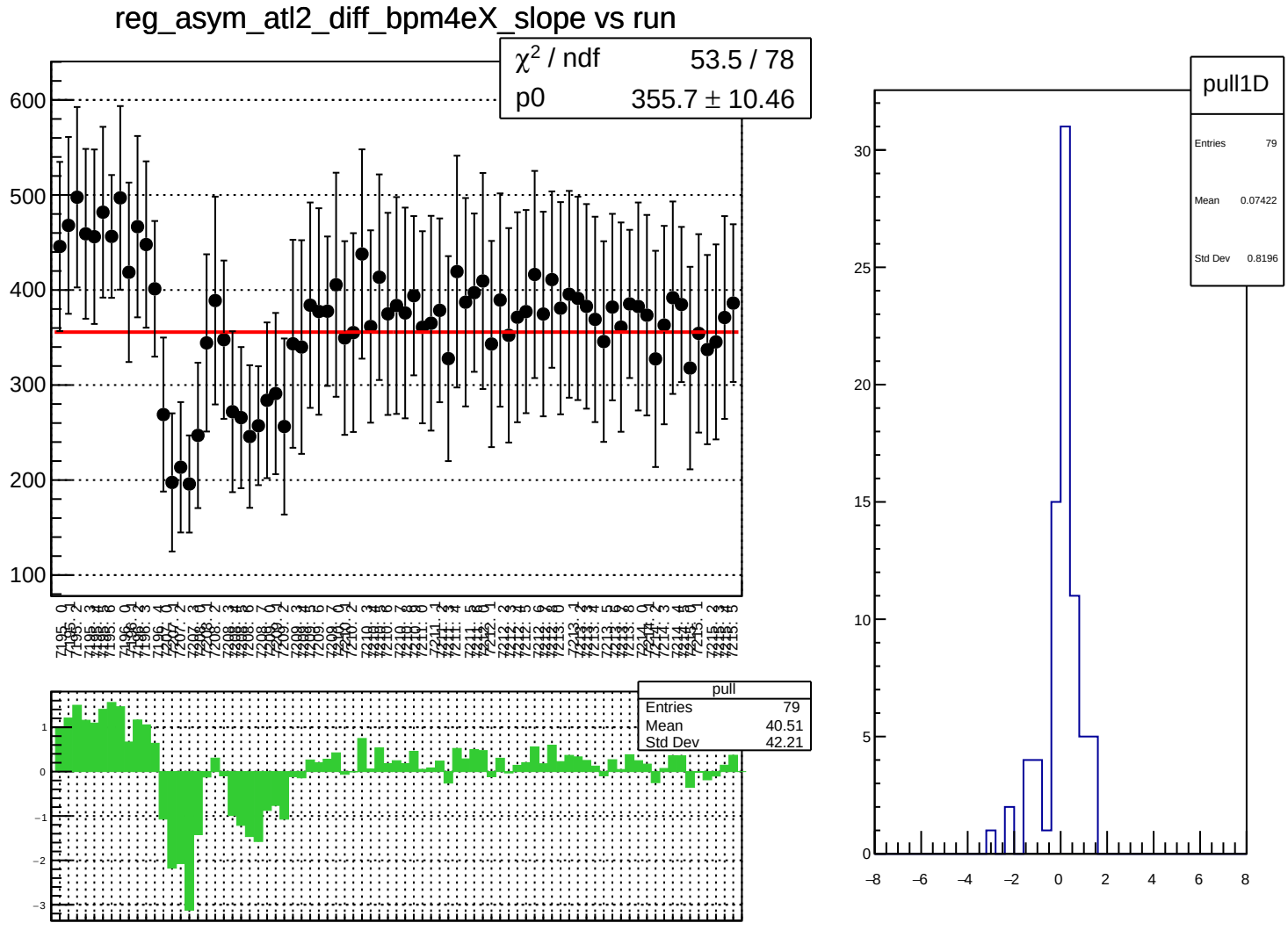

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 246.8 / 78
p0 −13.99 ± 0.08779
pull
Entries 79
Mean −5943
Std Dev 5977
pull1D
Entries 79
Mean −0.004228
Std Dev 1.768

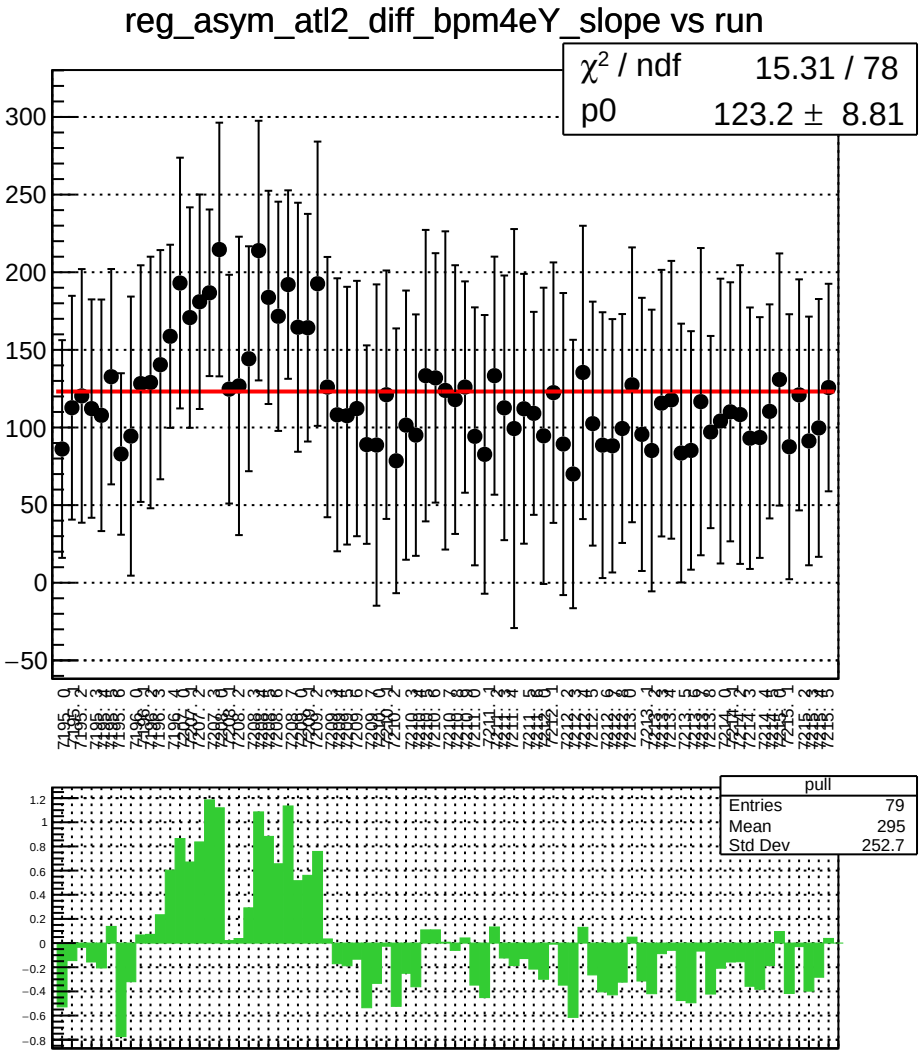

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 56.56 / 78
p0 −414.1 ± 10.4
pull
Entries 79
Mean 28.95
Std Dev 44.01

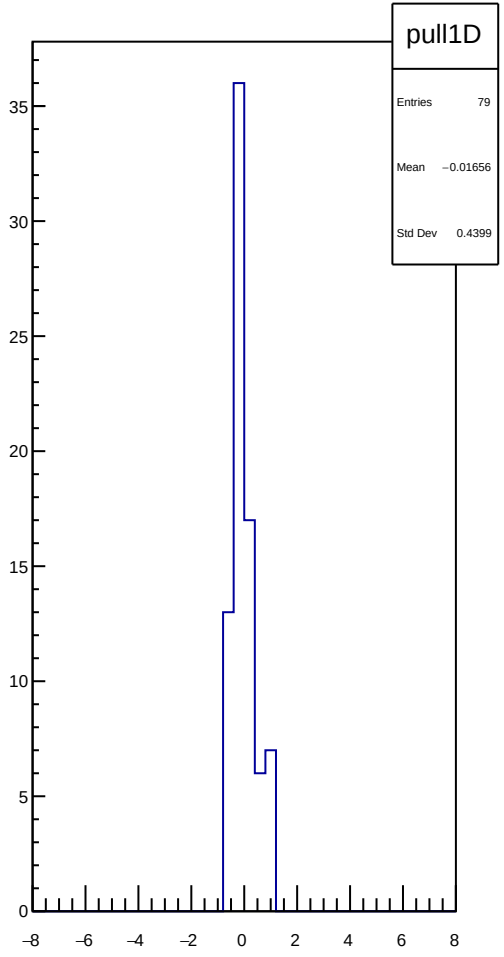

pull1D
Entries 79
Mean −0.07012
Std Dev 0.8432

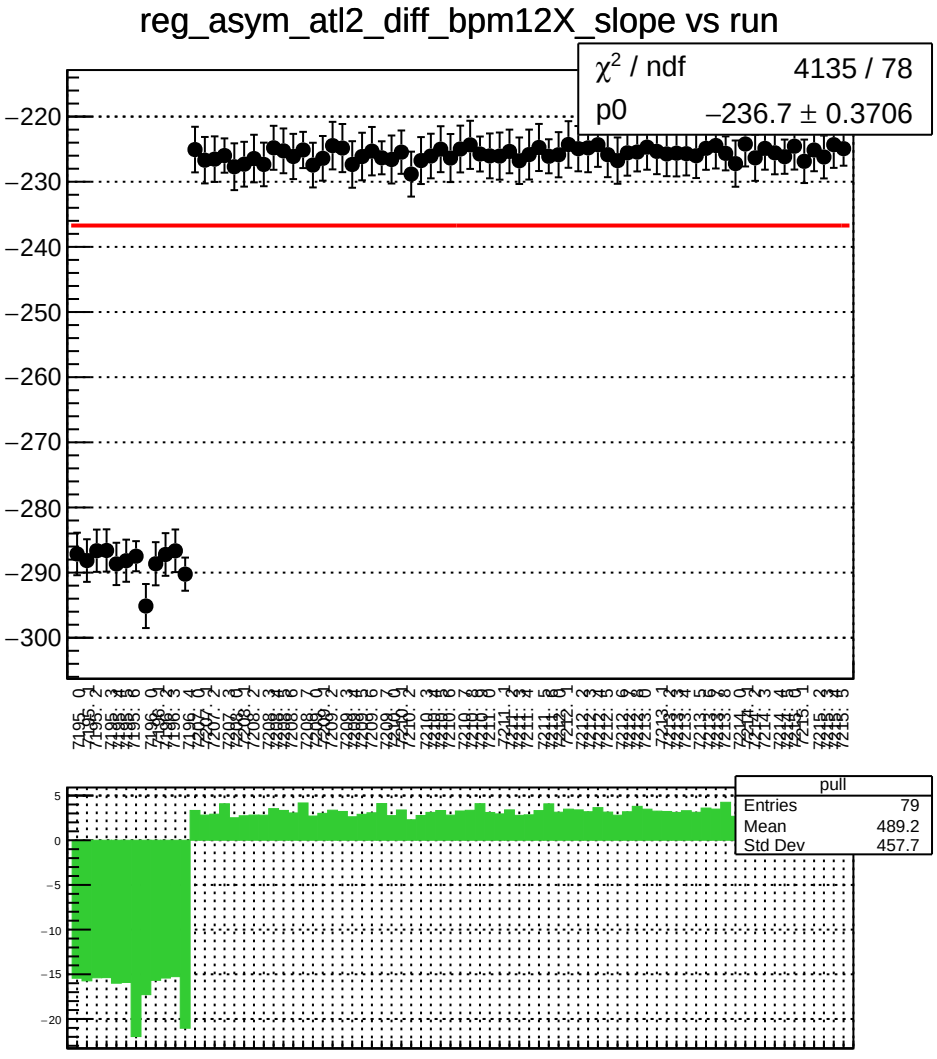

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 14.8 / 78
p0 3.5 ± 7.927
pull
Entries 79
Mean 517
Std Dev 464.4

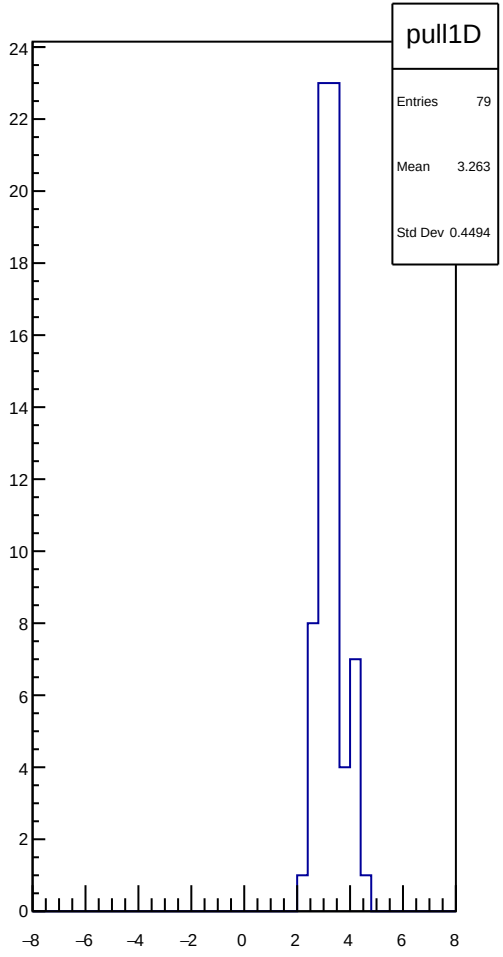

pull1D
Entries 79
Mean 0.004411
Std Dev 0.4328

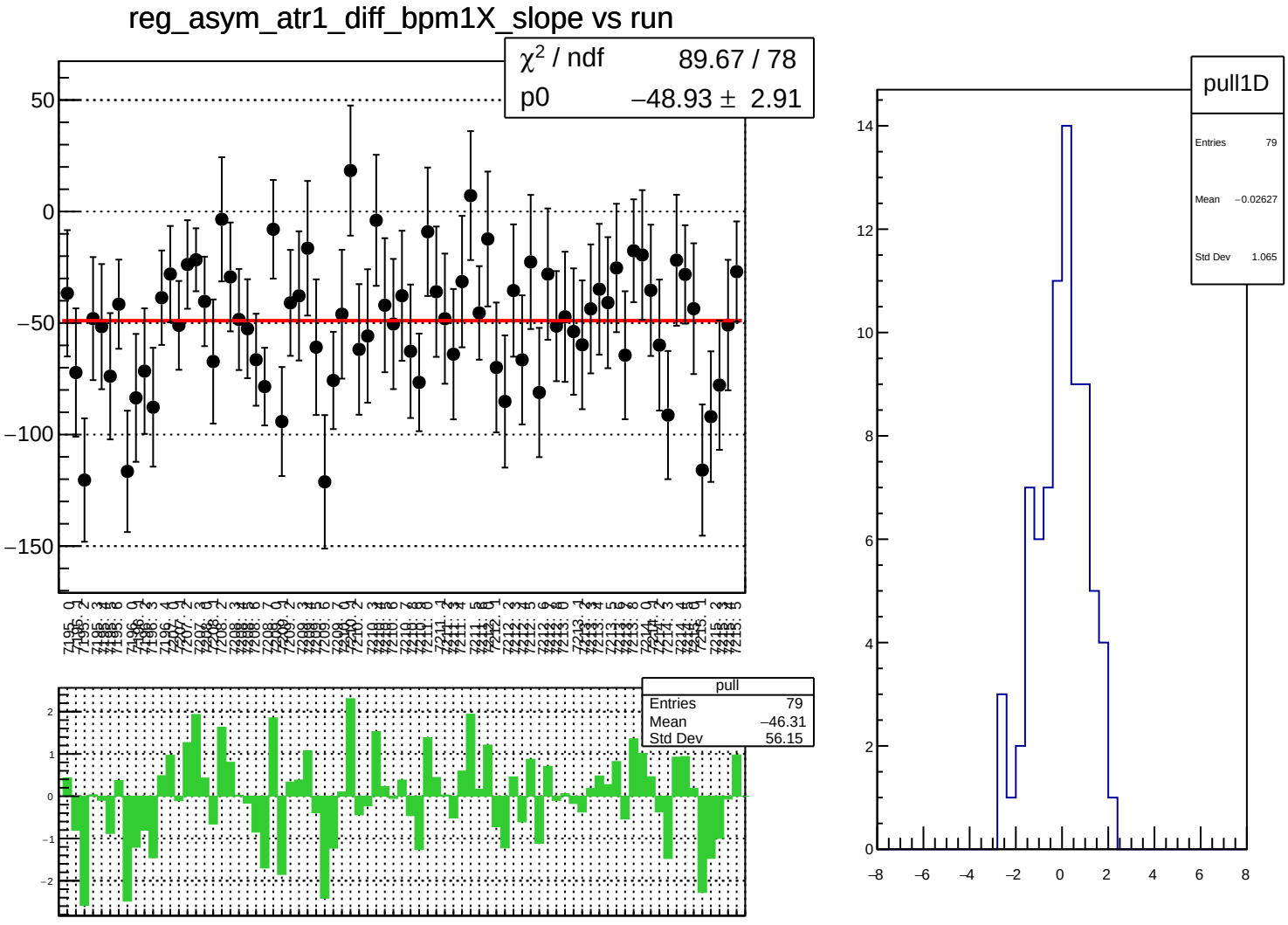

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 53.5 / 78
p0 355.7 ± 10.46
pull
Entries 79
Mean 40.51
Std Dev 42.21
pull1D
Entries 79
Mean 0.07422
Std Dev 0.8196

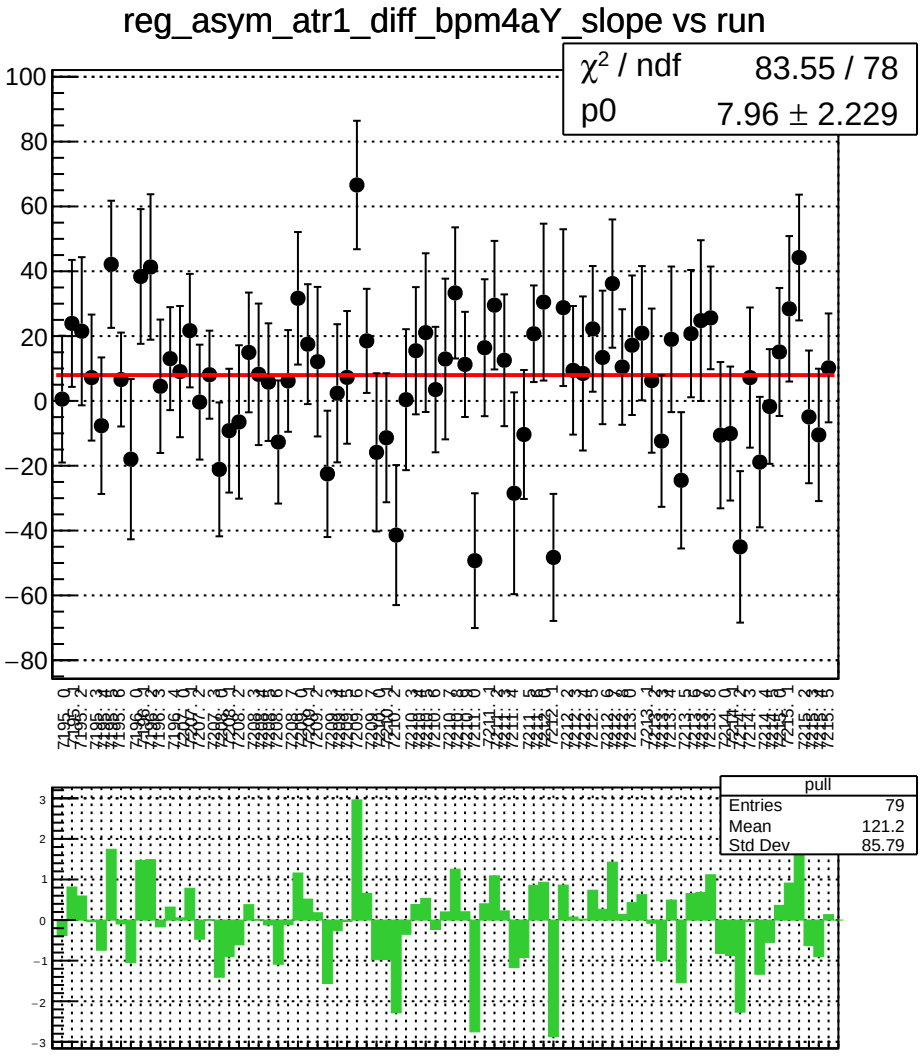

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 15.31 / 78
p0 123.2 ± 8.81
pull
Entries 79
Mean 295
Std Dev 252.7

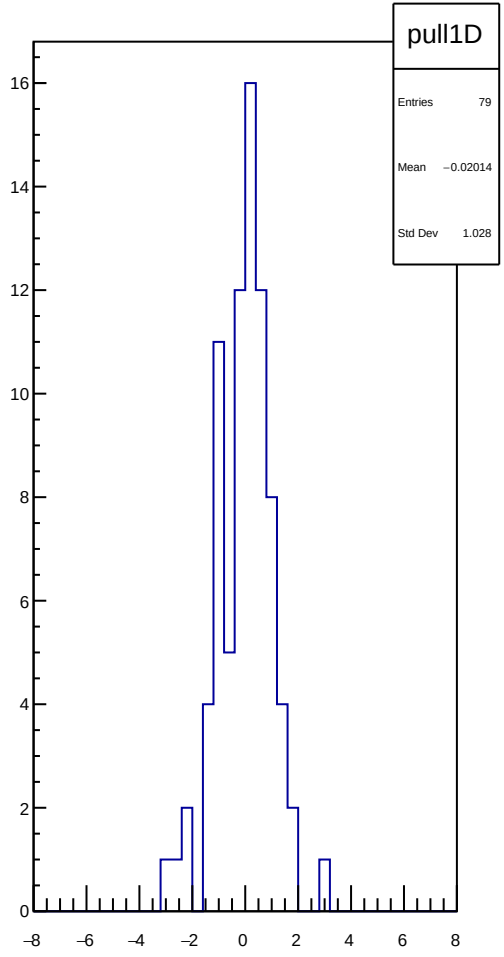

pull1D
Entries 79
Mean −0.01656
Std Dev 0.4399

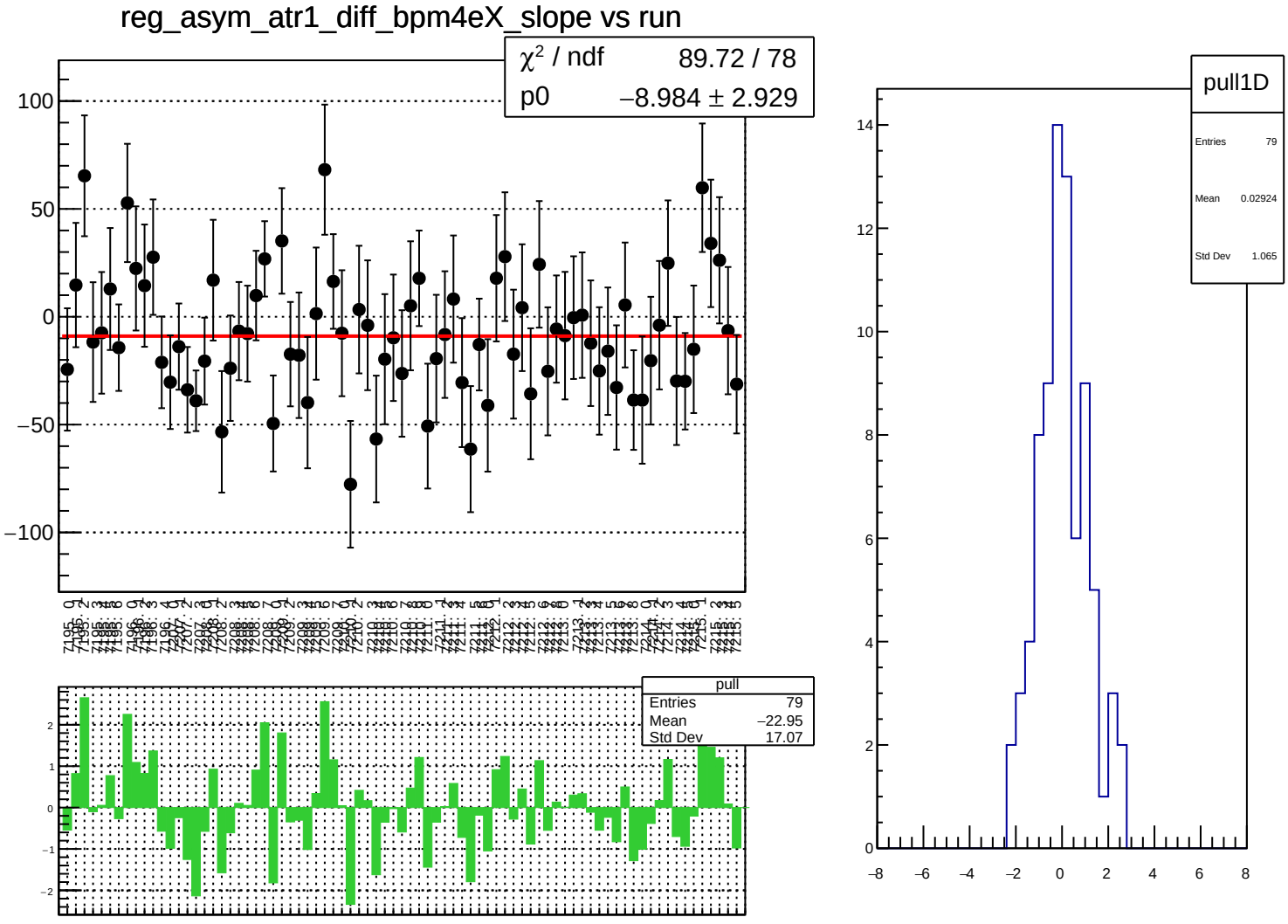

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 4135 / 78
p0 −236.7 ± 0.3706
pull
Entries 79
Mean 489.2
Std Dev 457.7

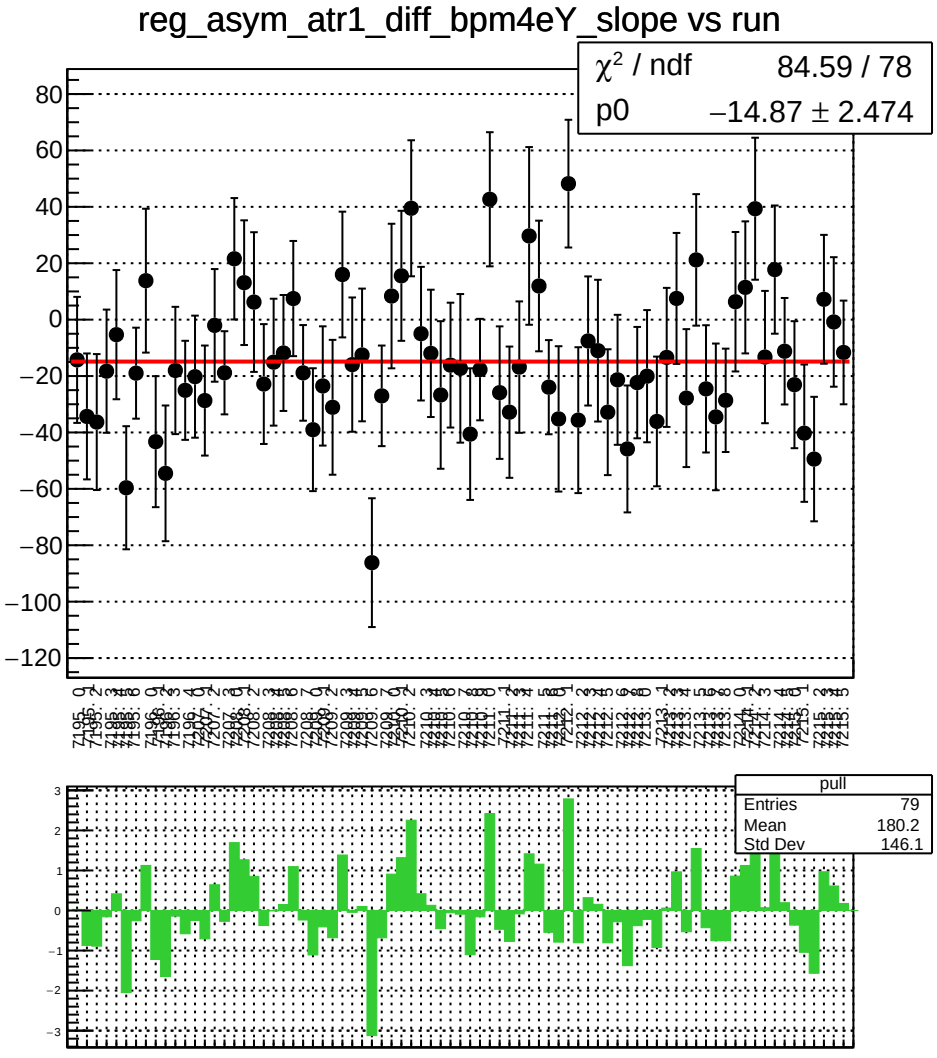

pull1D
Entries 79
Mean 3.263
Std Dev 0.4494

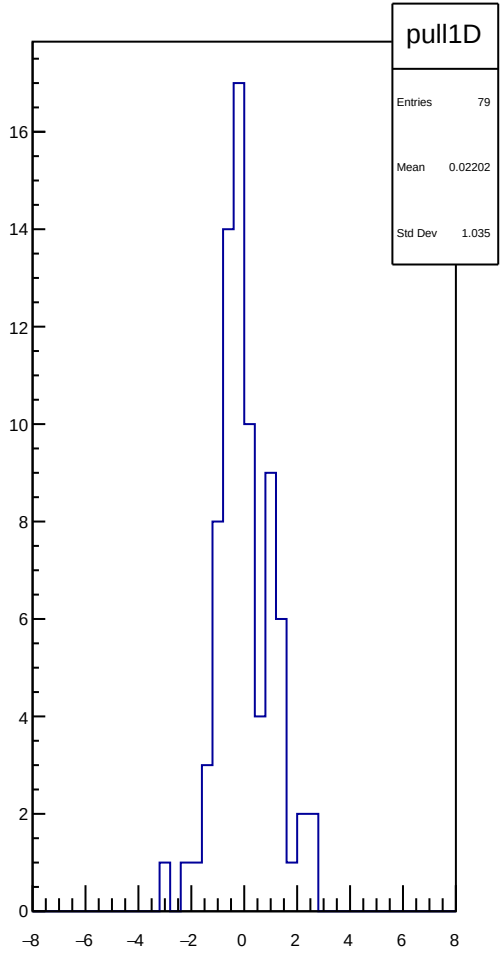

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 89.67 / 78
p0 −48.93 ± 2.91
pull
Entries 79
Mean −46.31
Std Dev 56.15
pull1D
Entries 79
Mean −0.02627
Std Dev 1.065

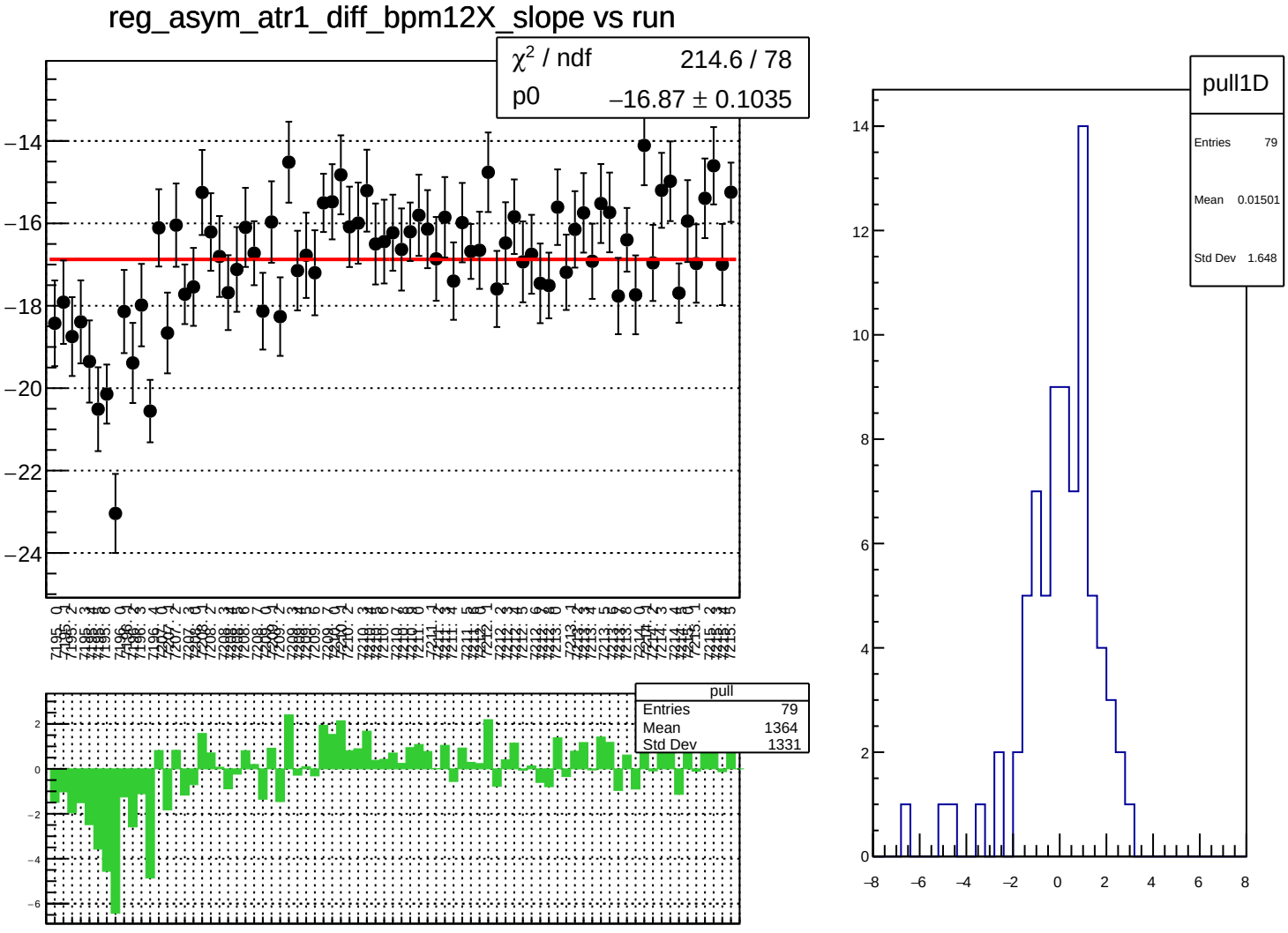

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 83.55 / 78
p0 7.96 ± 2.229
pull
Entries 79
Mean 121.2
Std Dev 85.79

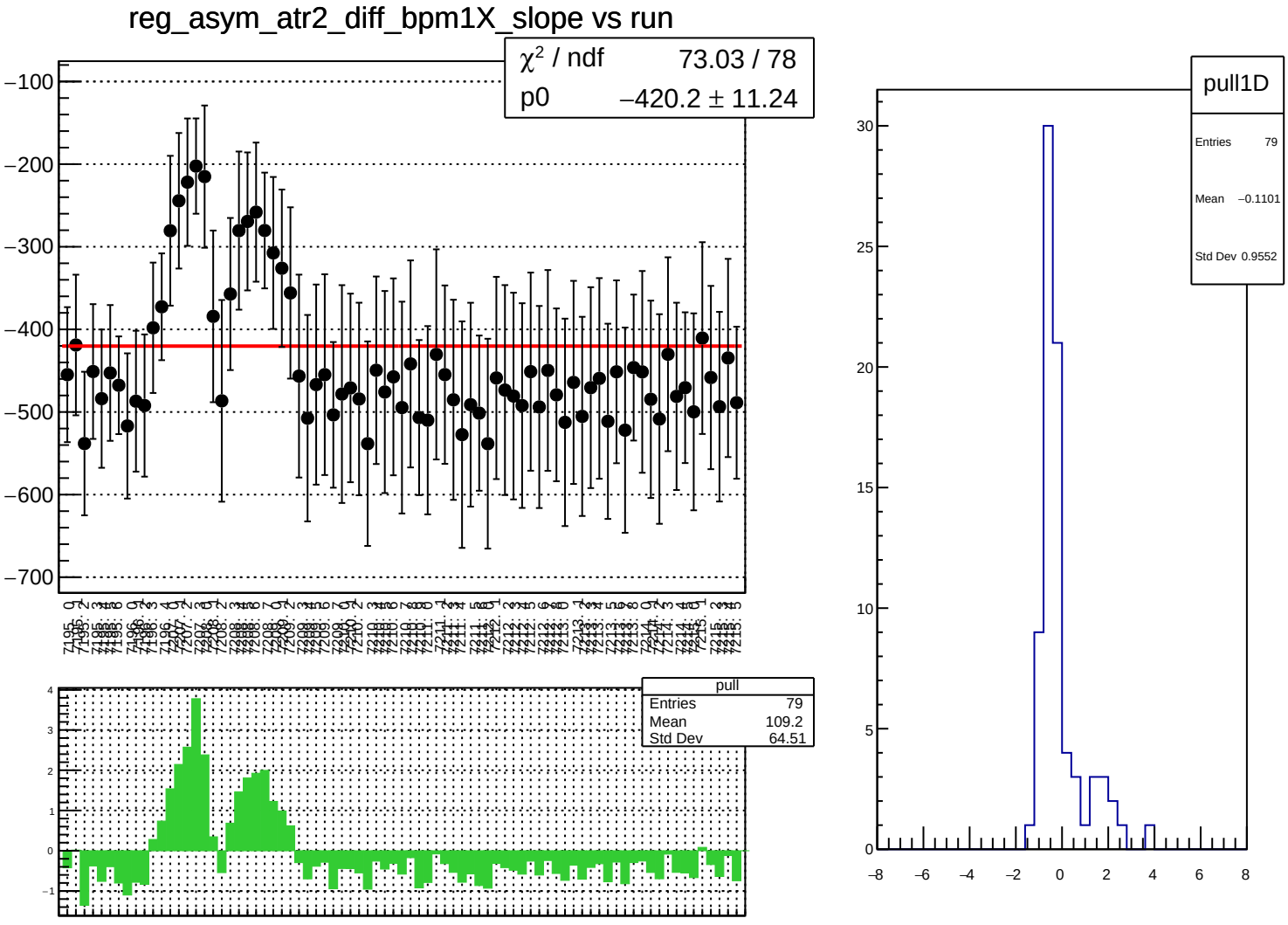

pull1D
Entries 79
Mean −0.02014
Std Dev 1.028

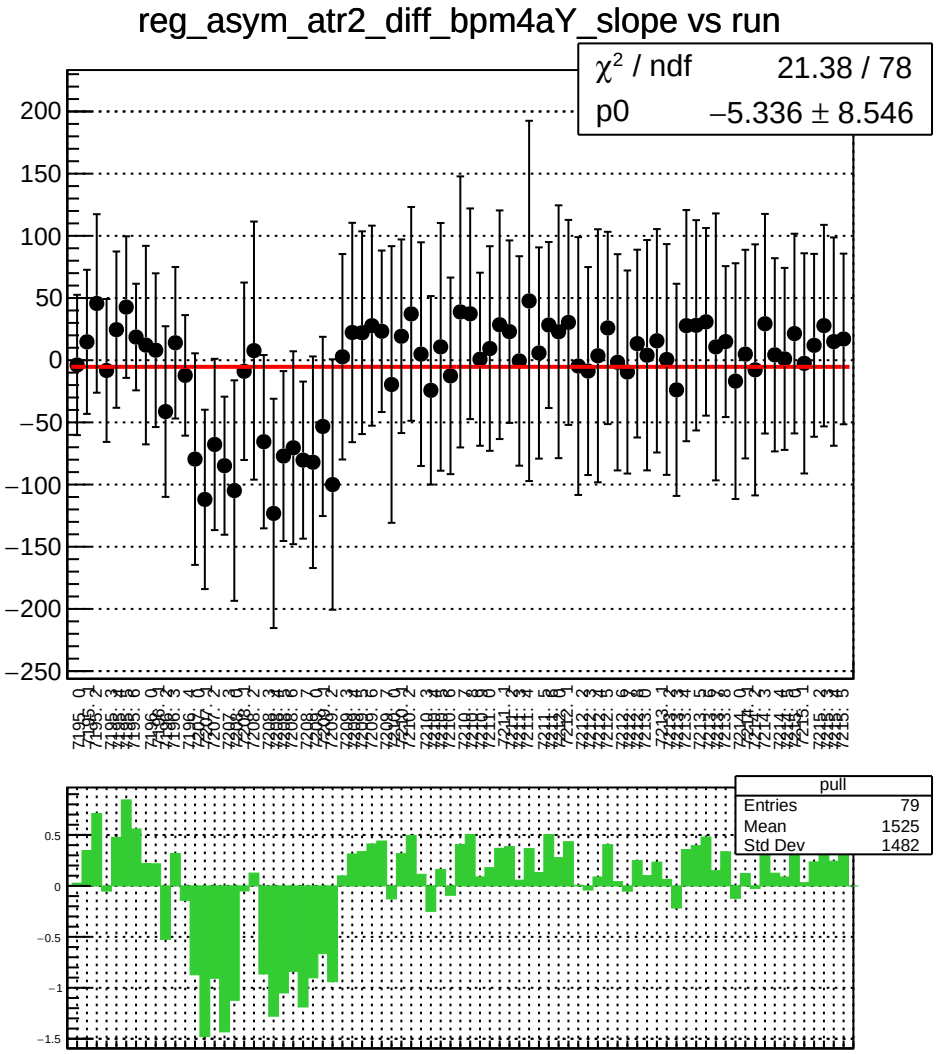

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 89.72 / 78
p0 −8.984 ± 2.929
pull
Entries 79
Mean −22.95
Std Dev 17.07
pull1D
Entries 79
Mean 0.02924
Std Dev 1.065

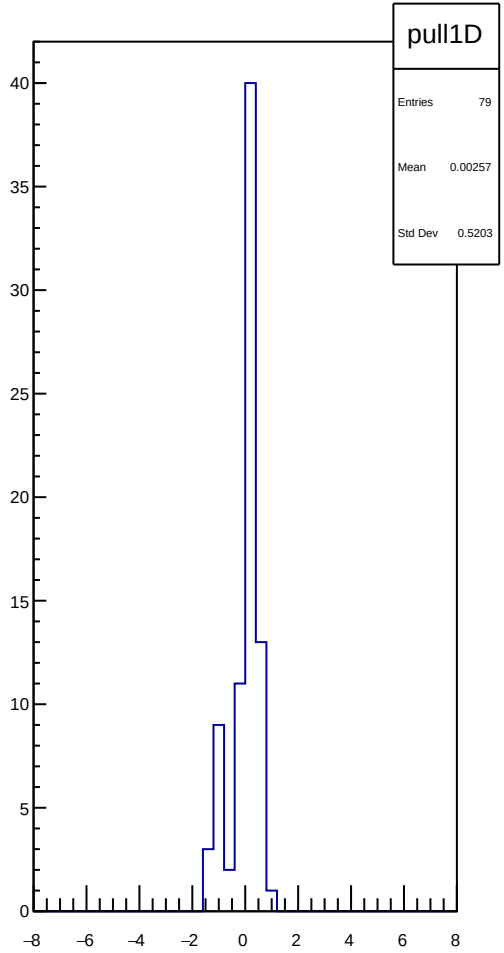

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 84.59 / 78
p0 −14.87 ± 2.474
pull
Entries 79
Mean 180.2
Std Dev 146.1

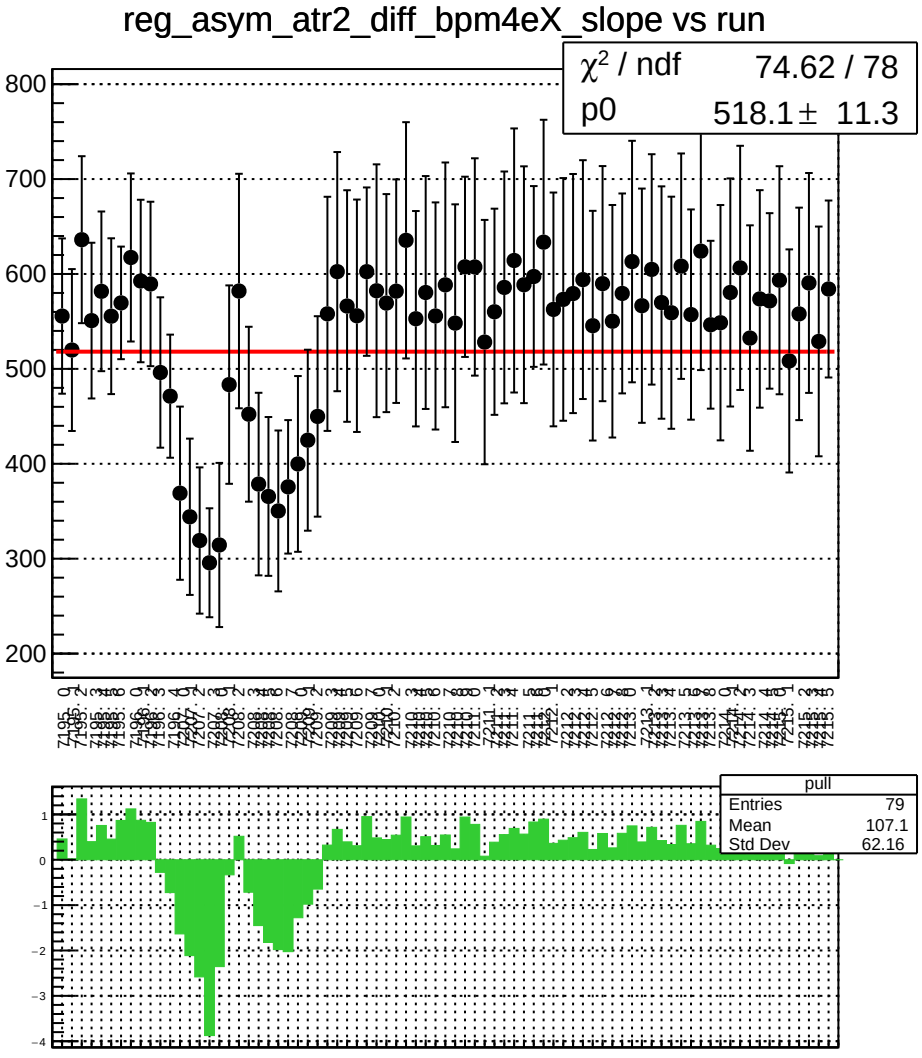

pull1D
Entries 79
Mean 0.02202
Std Dev 1.035

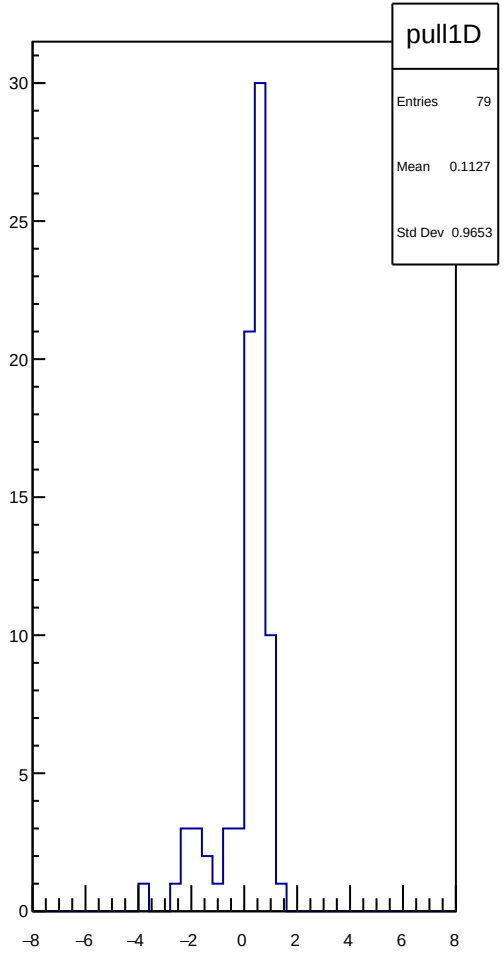

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 214.6 / 78
p0 −16.87 ± 0.1035
pull
Entries 79
Mean 1364
Std Dev 1331
pull1D
Entries 79
Mean 0.01501
Std Dev 1.648

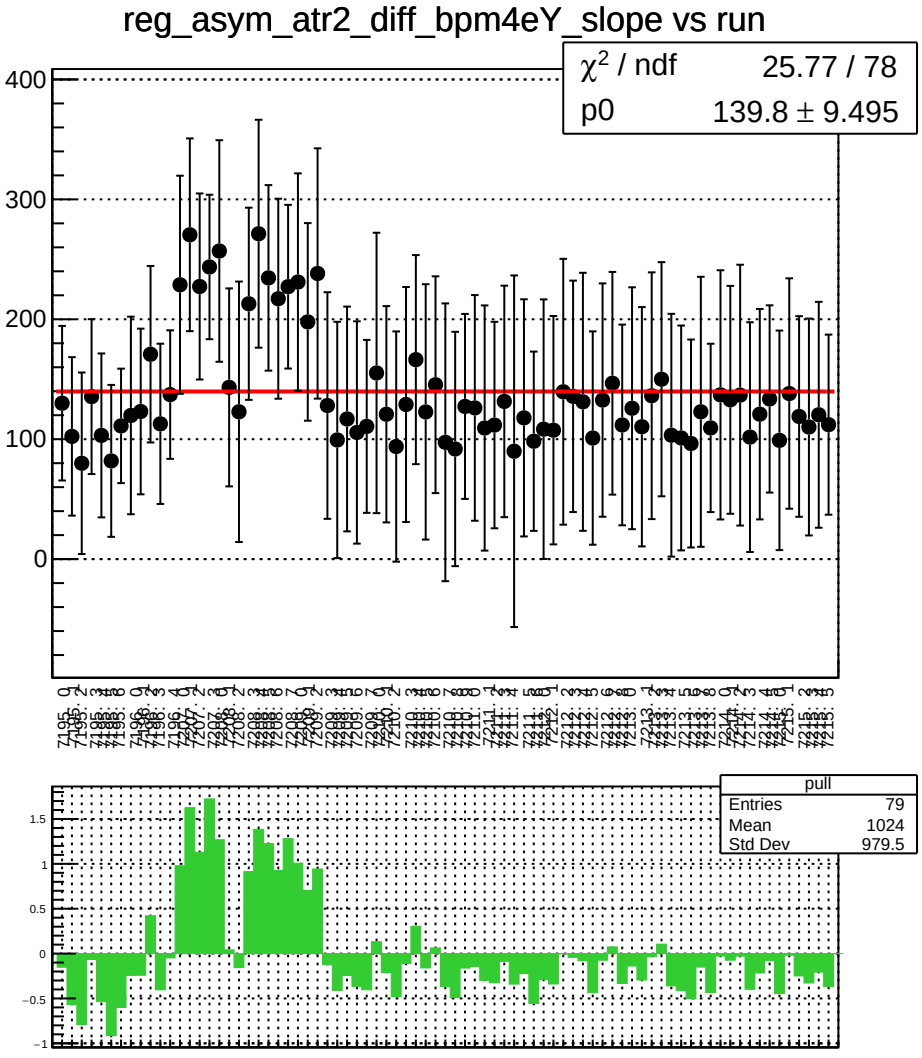

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 73.03 / 78
p0 −420.2 ± 11.24
pull
Entries 79
Mean 109.2
Std Dev 64.51
pull1D
Entries 79
Mean −0.1101
Std Dev 0.9552

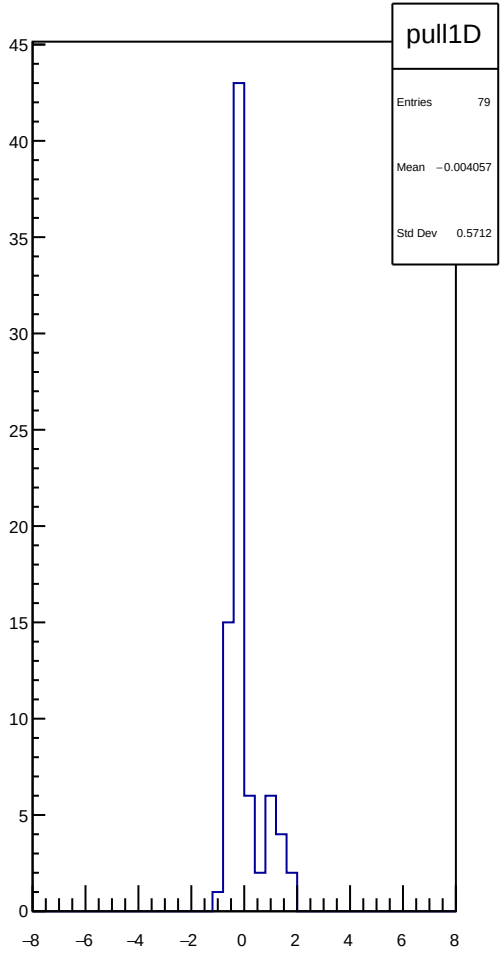

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 21.38 / 78
p0 −5.336 ± 8.546
pull
Entries 79
Mean 1525
Std Dev 1482

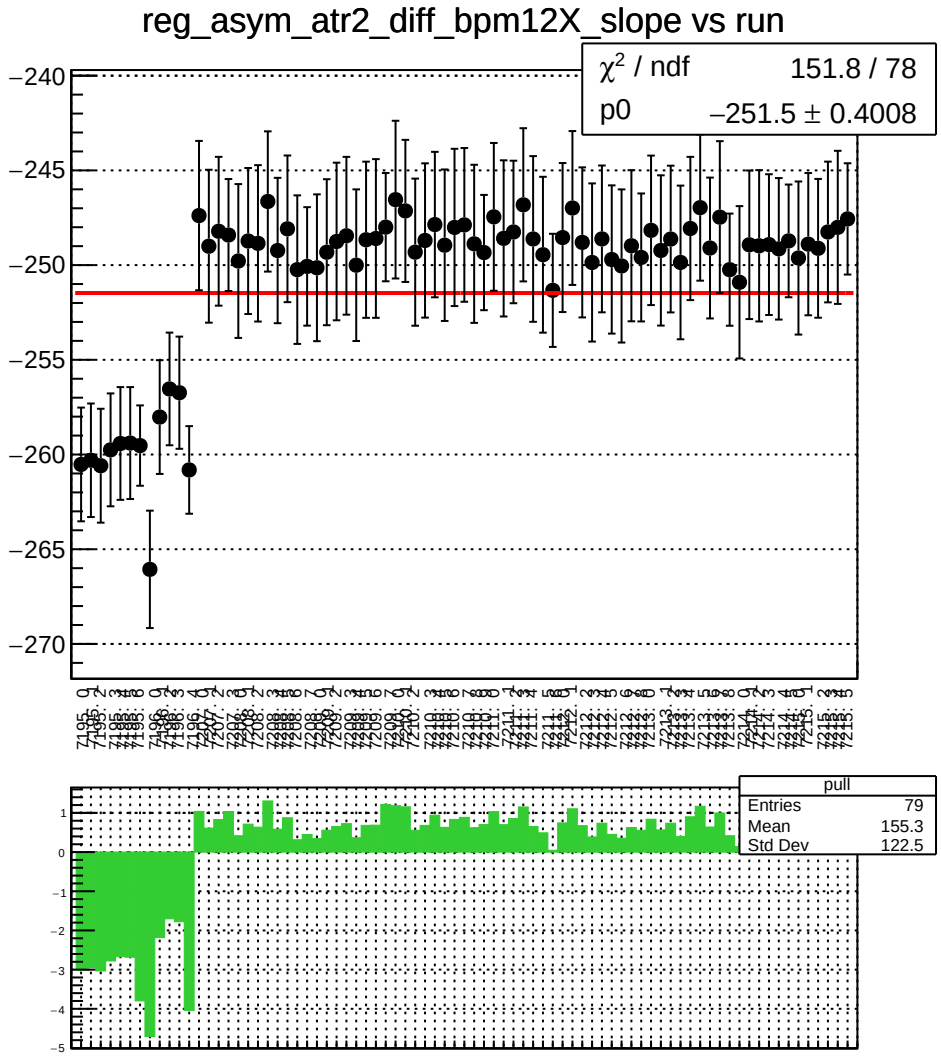

pull1D
Entries 79
Mean 0.00257
Std Dev 0.5203

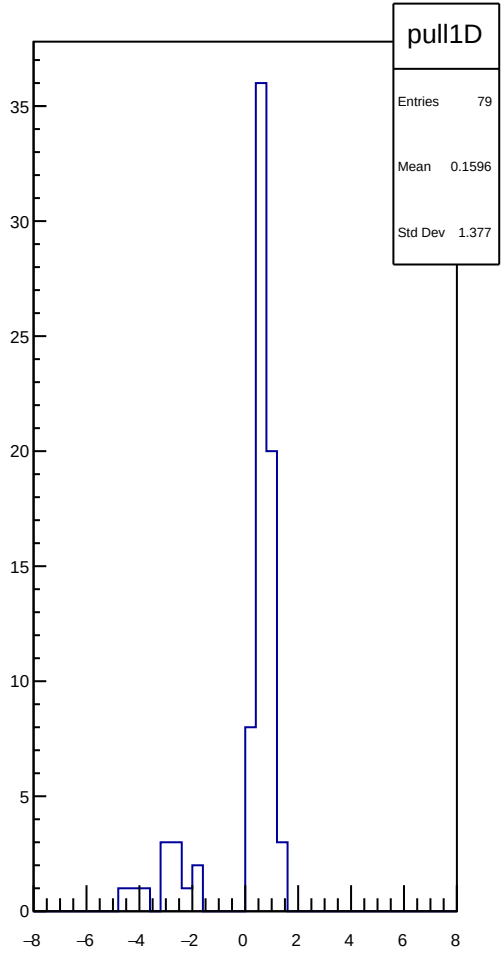

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 74.62 / 78
p0 518.1 ± 11.3
pull
Entries 79
Mean 107.1
Std Dev 62.16

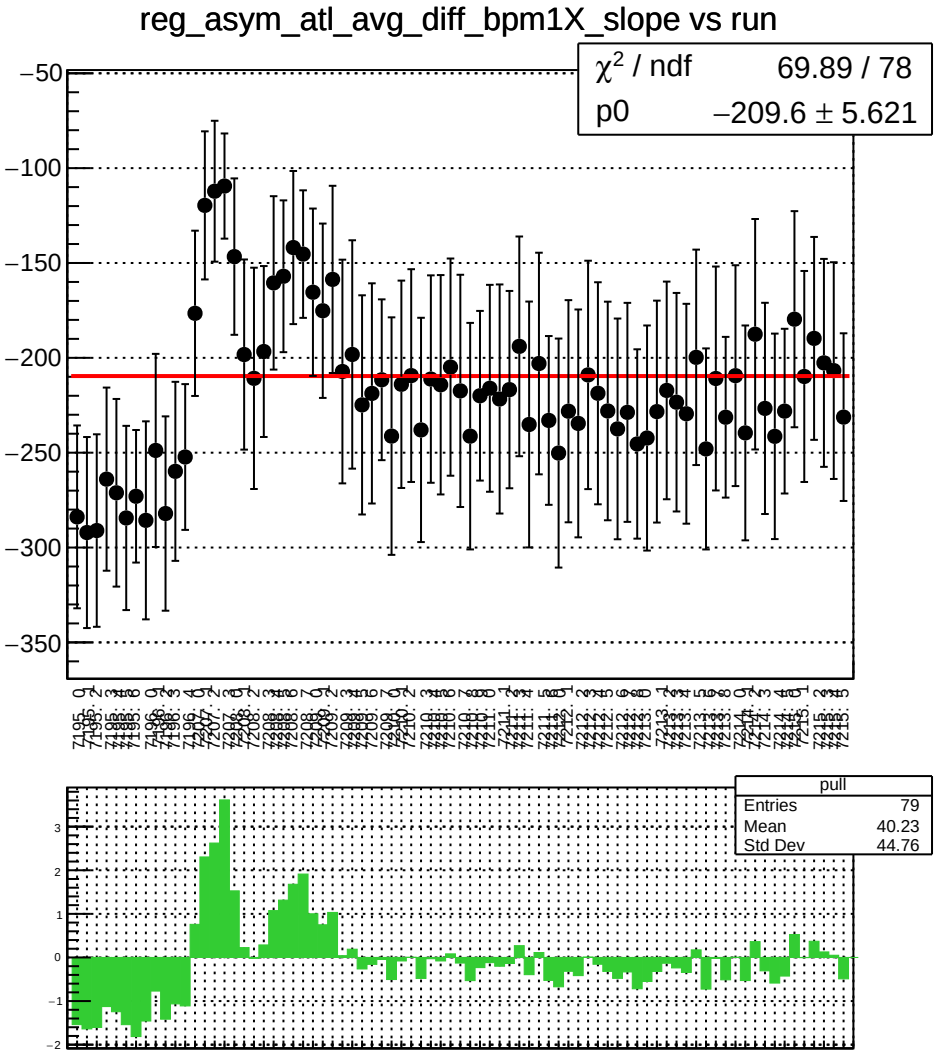

pull1D
Entries 79
Mean 0.1127
Std Dev 0.9653

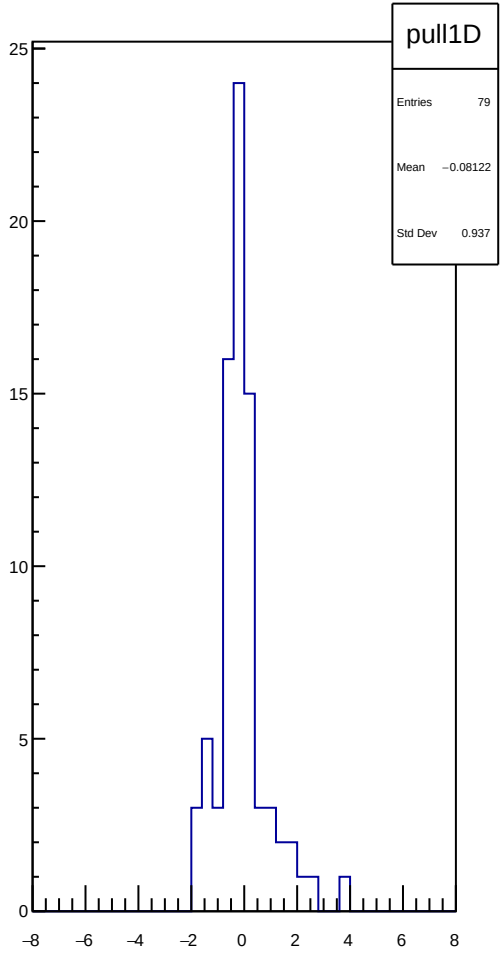

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 25.77 / 78
p0 139.8 ± 9.495
pull
Entries 79
Mean 1024
Std Dev 979.5

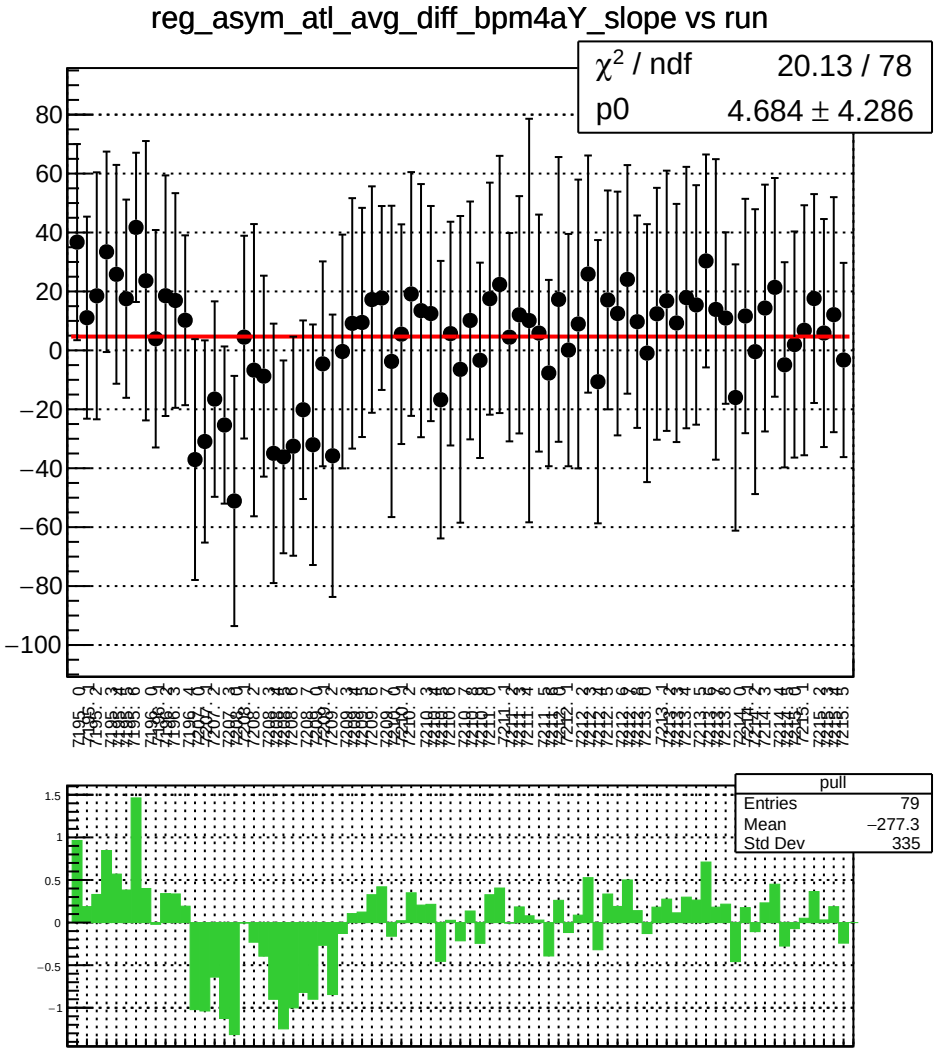

pull1D
Entries 79
Mean −0.004057
Std Dev 0.5712

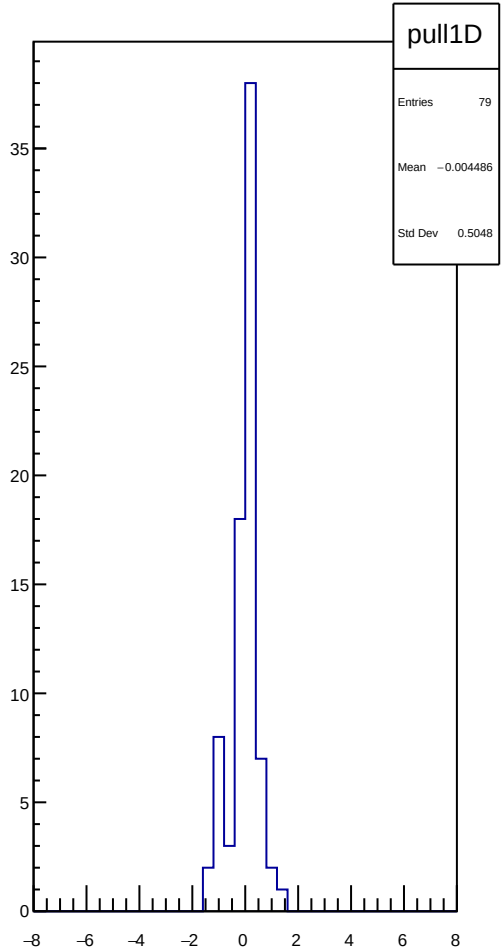

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 151.8 / 78
p0 −251.5 ± 0.4008
pull
Entries 79
Mean 155.3
Std Dev 122.5

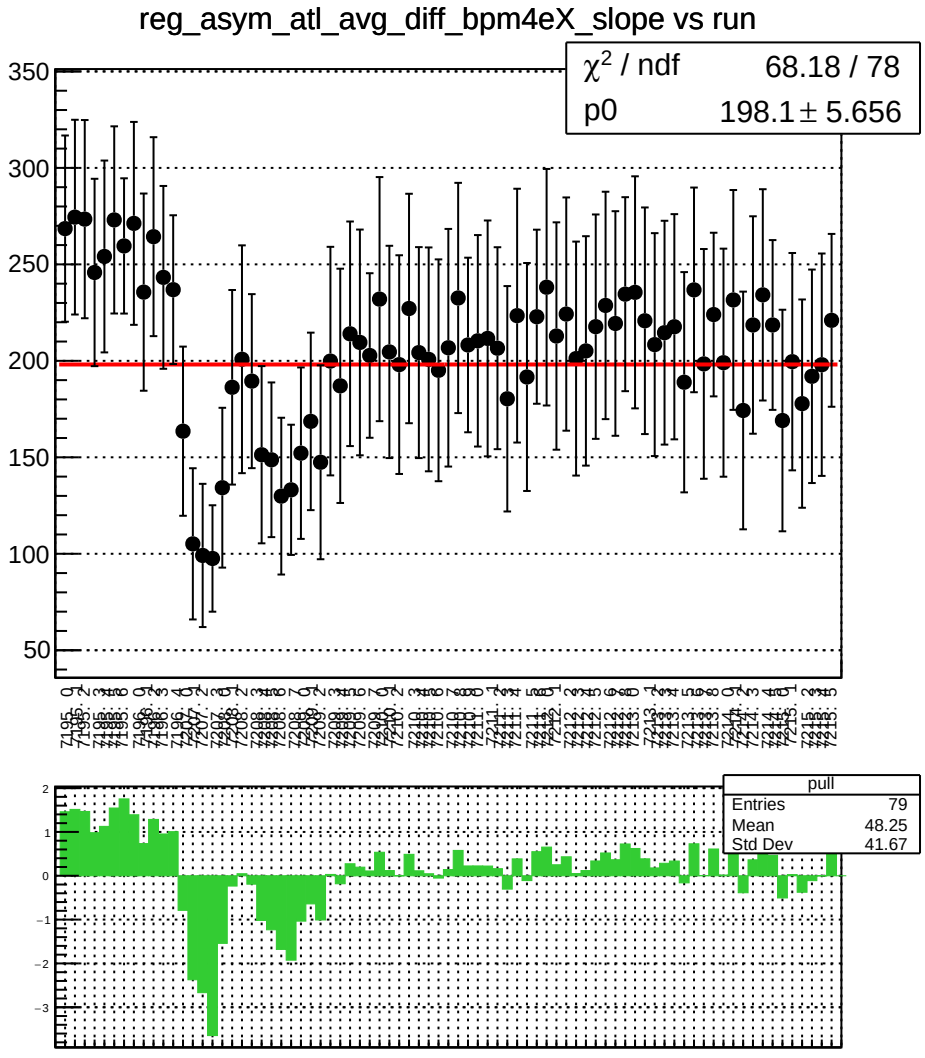

pull1D
Entries 79
Mean 0.1596
Std Dev 1.377

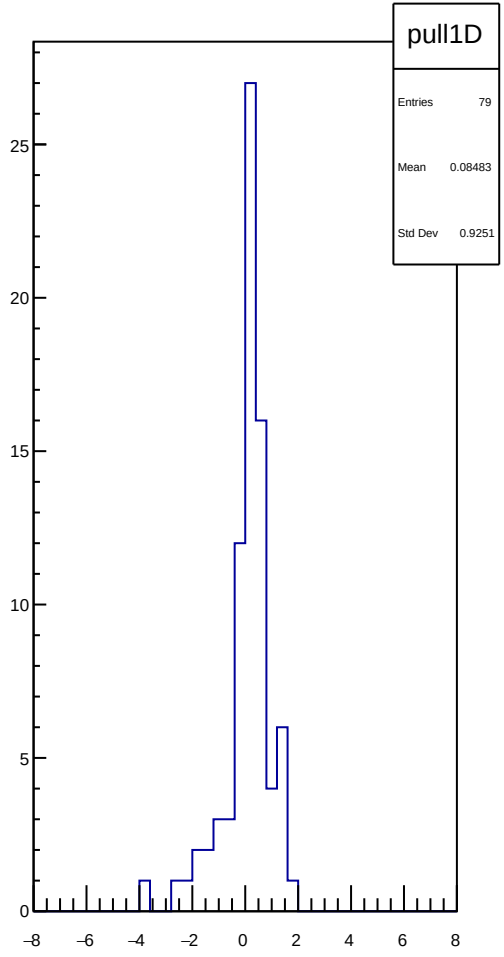

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 69.89 / 78
p0 −209.6 ± 5.621
pull
Entries 79
Mean 40.23
Std Dev 44.76

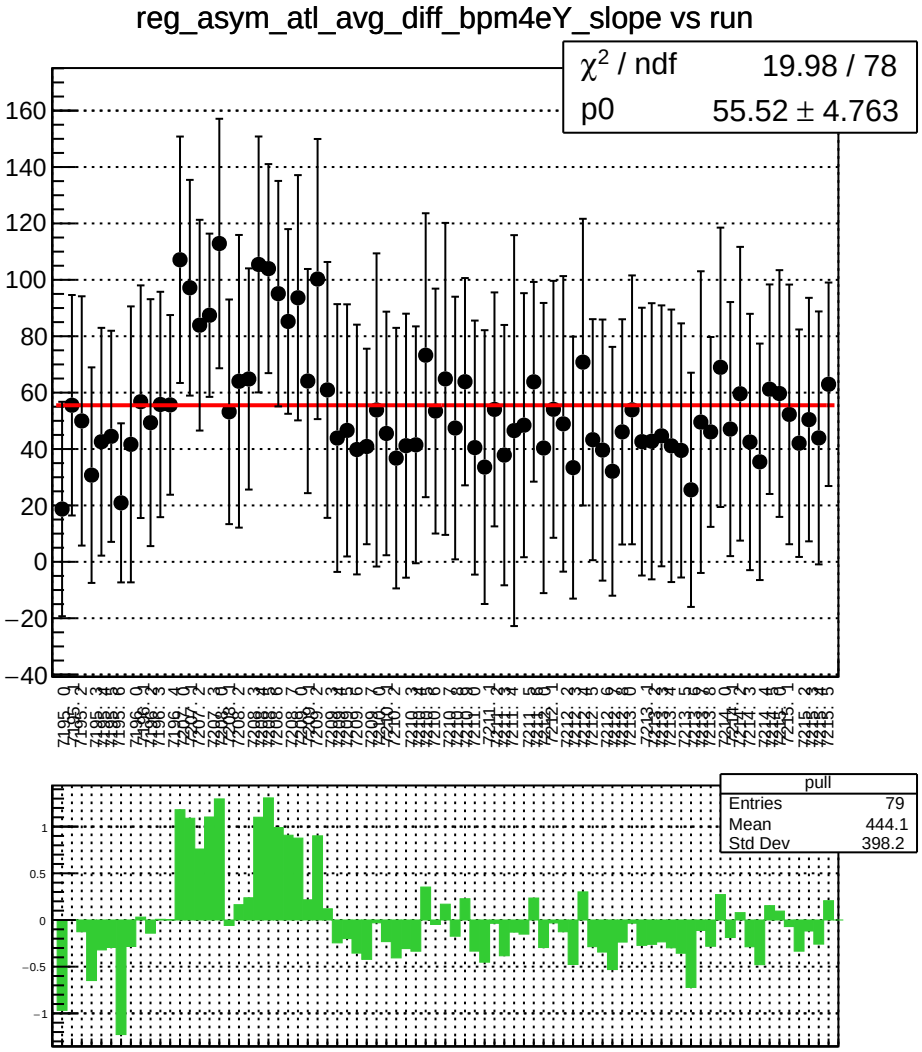

pull1D
Entries 79
Mean −0.08122
Std Dev 0.937

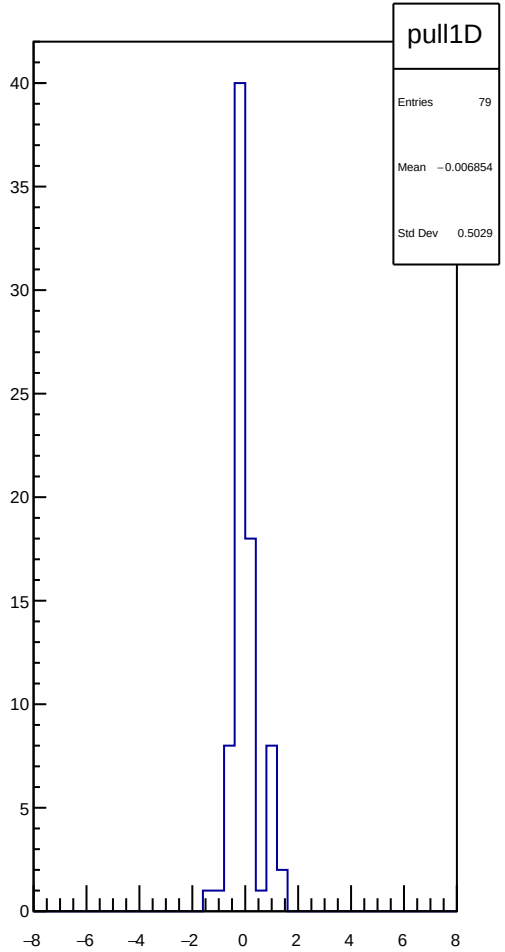

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.13 / 78
p0 4.684 ± 4.286
pull
Entries 79
Mean −277.3
Std Dev 335

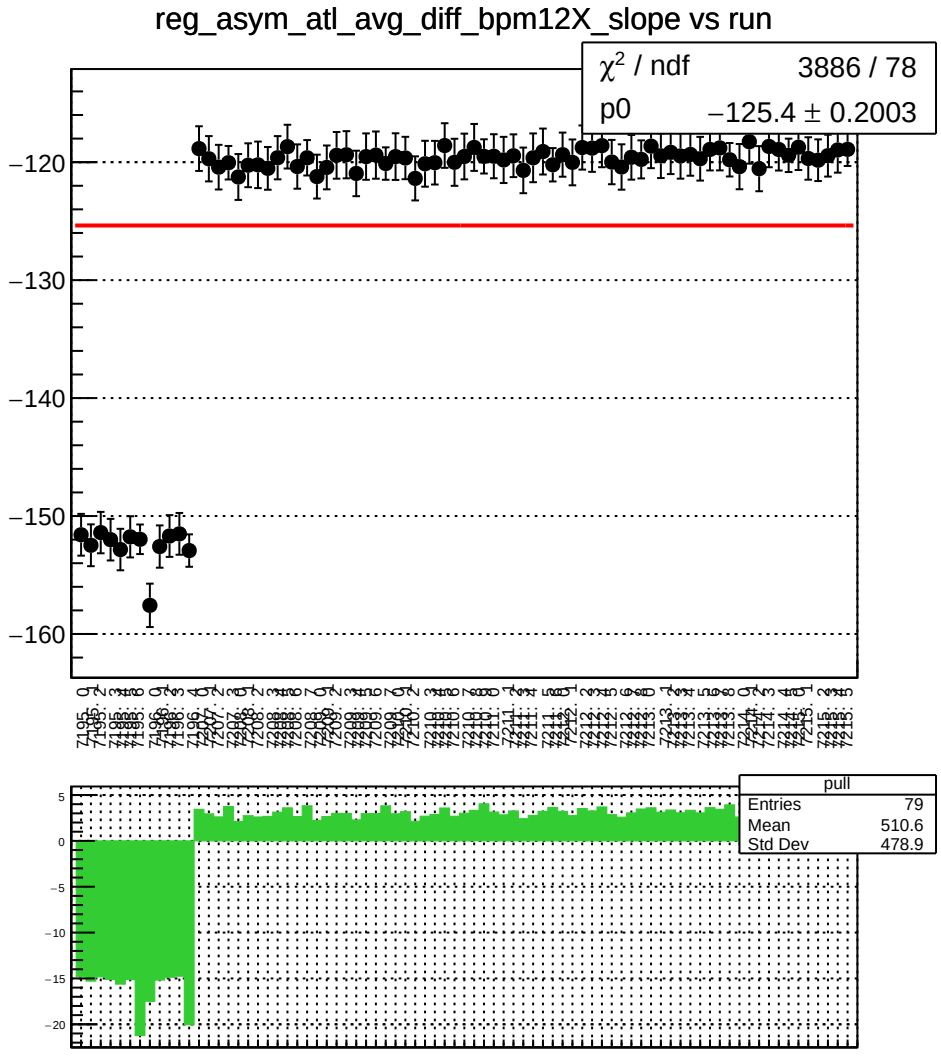

pull1D
Entries 79
Mean −0.004486
Std Dev 0.5048

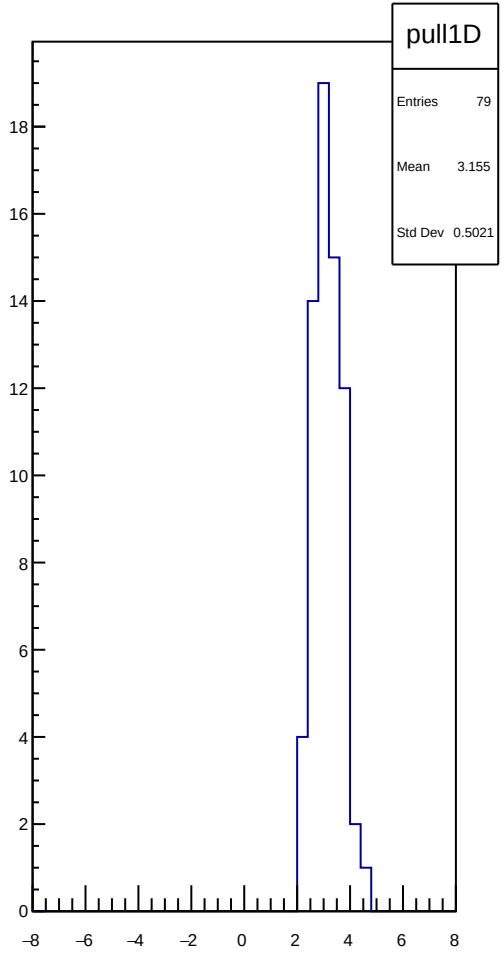

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.18 / 78
p0 198.1 ± 5.656
pull
Entries 79
Mean 48.25
Std Dev 41.67

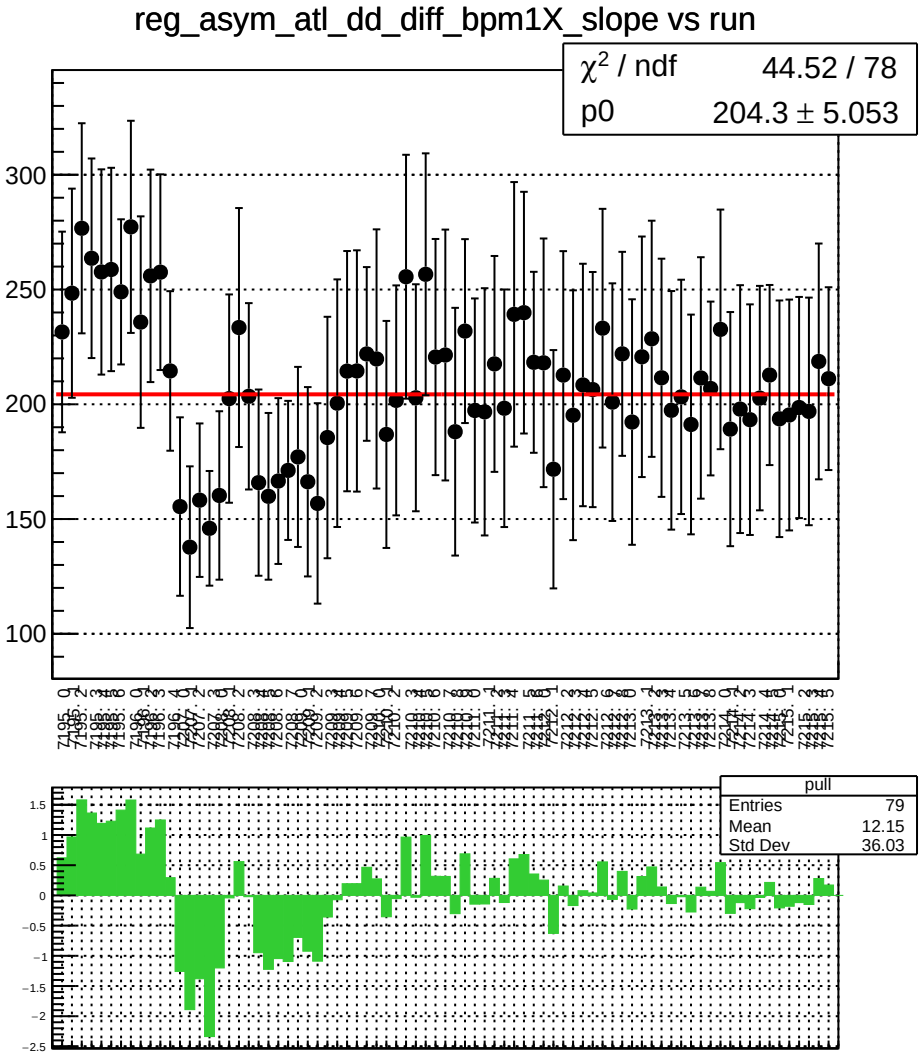

pull1D
Entries 79
Mean 0.08483
Std Dev 0.9251

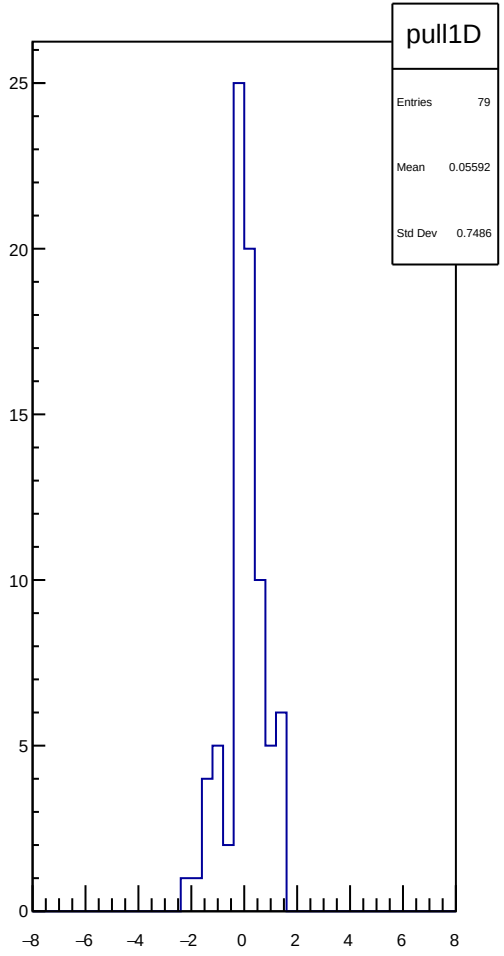

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.98 / 78
p0 55.52 ± 4.763
pull
Entries 79
Mean 444.1
Std Dev 398.2

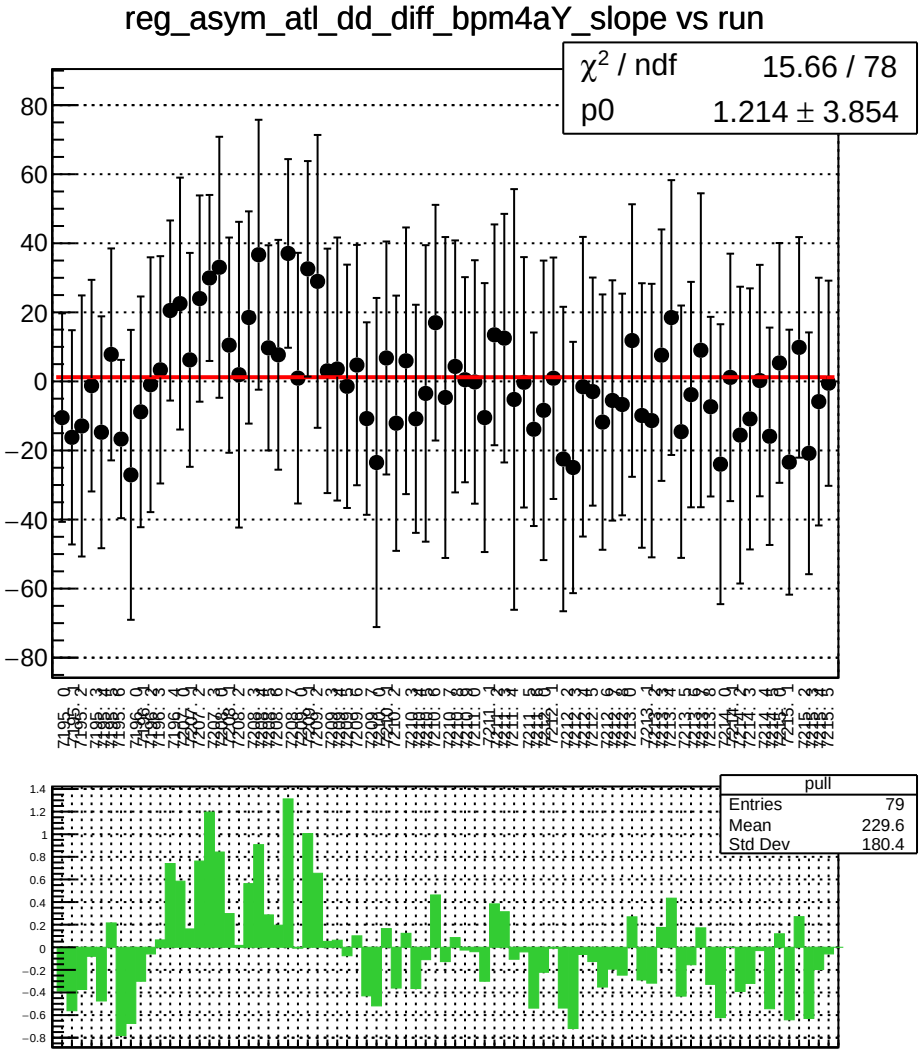

pull1D
Entries 79
Mean −0.006854
Std Dev 0.5029

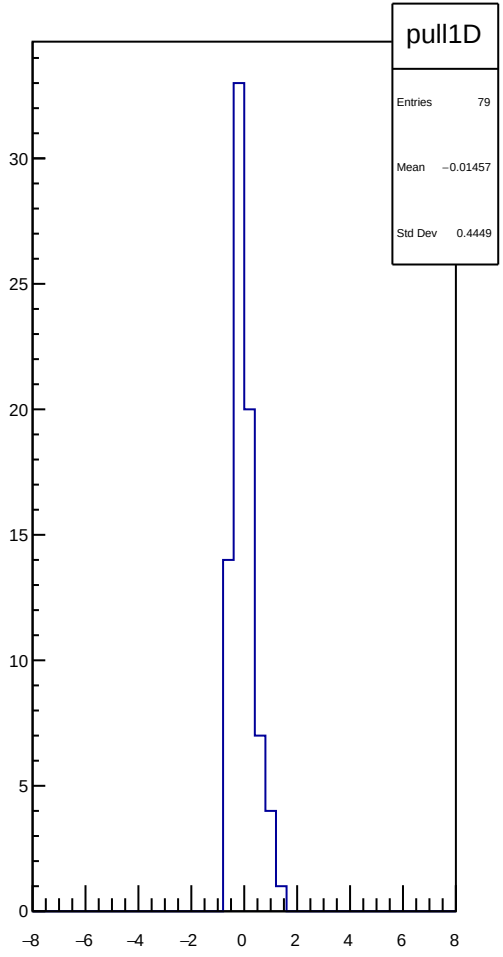

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 3886 / 78
p0 −125.4 ± 0.2003
−120
−130
−140
−150
−160
pull
Entries 79
Mean 510.6
Std Dev 478.9
5
0
−5
−10
−15
−20

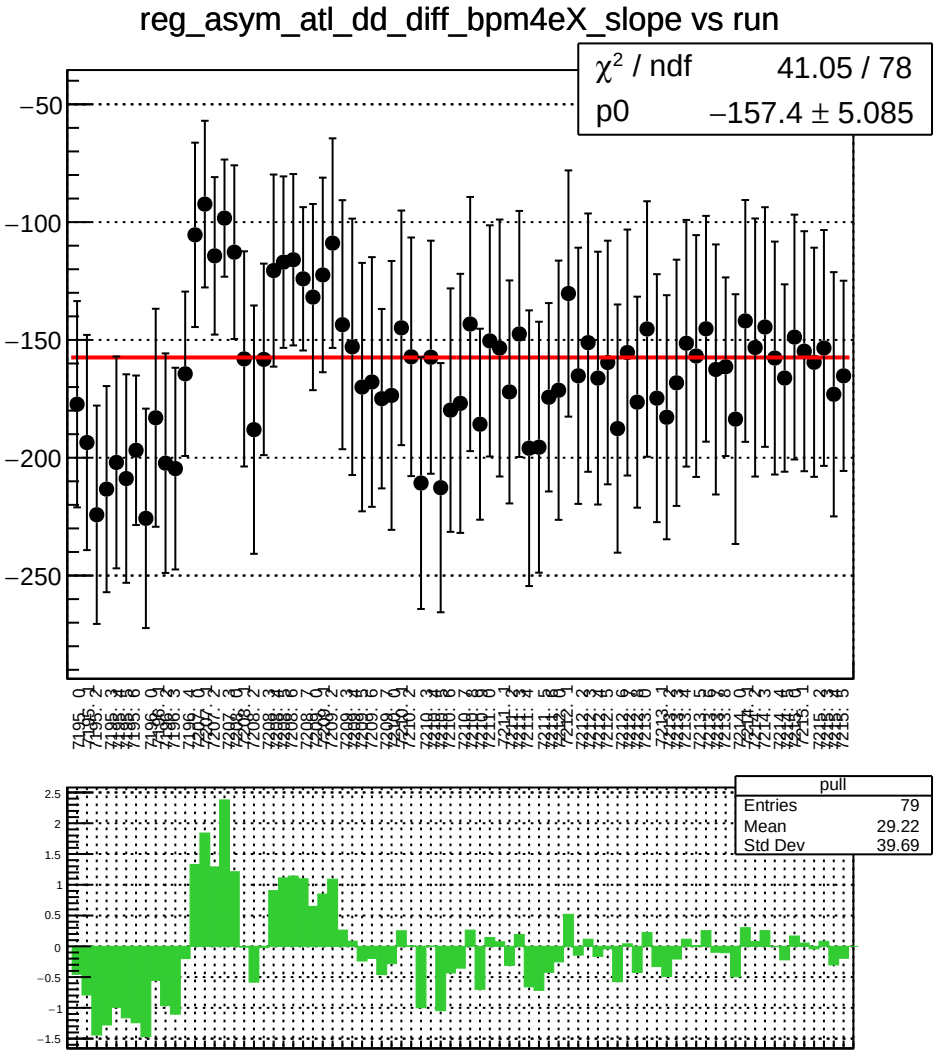

pull1D
Entries 79
Mean 3.155
Std Dev 0.5021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

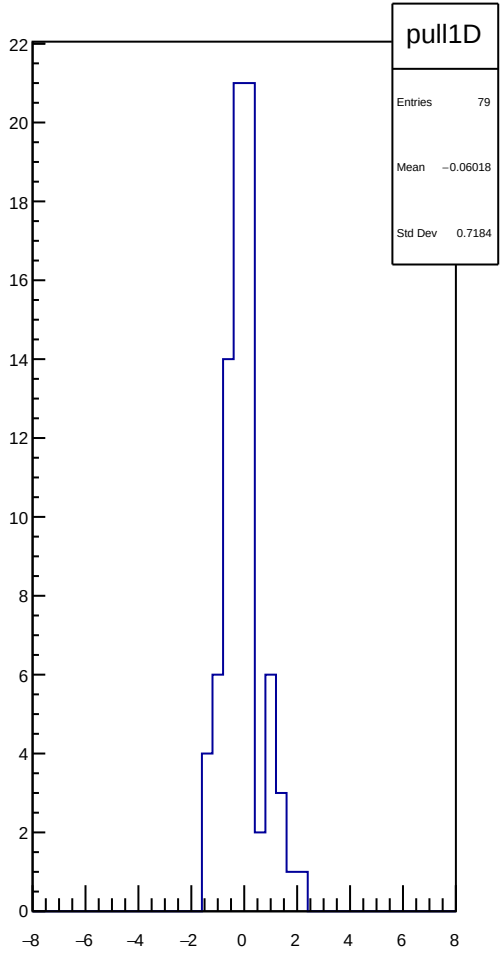

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 44.52 / 78
p0 204.3 ± 5.053
pull
Entries 79
Mean 12.15
Std Dev 36.03

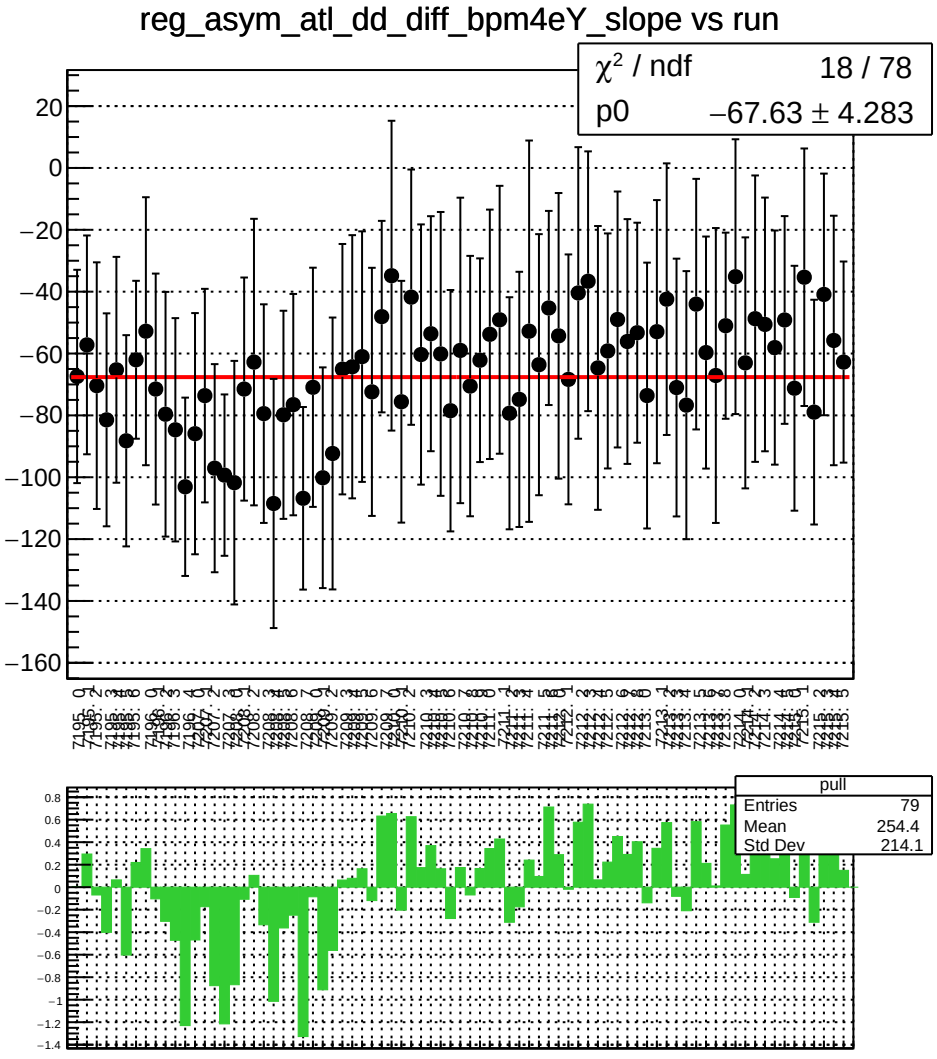

pull1D
Entries 79
Mean 0.05592
Std Dev 0.7486

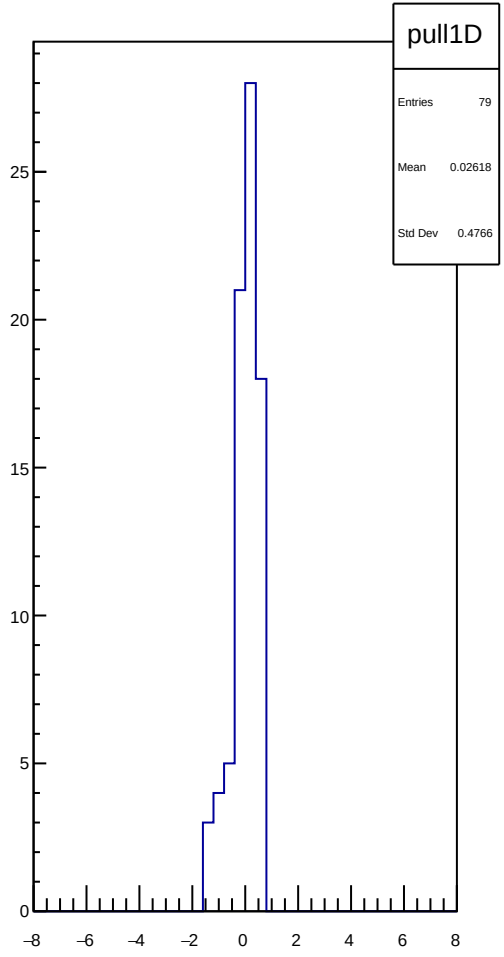

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.66 / 78
p0 1.214 ± 3.854
pull
Entries 79
Mean 229.6
Std Dev 180.4

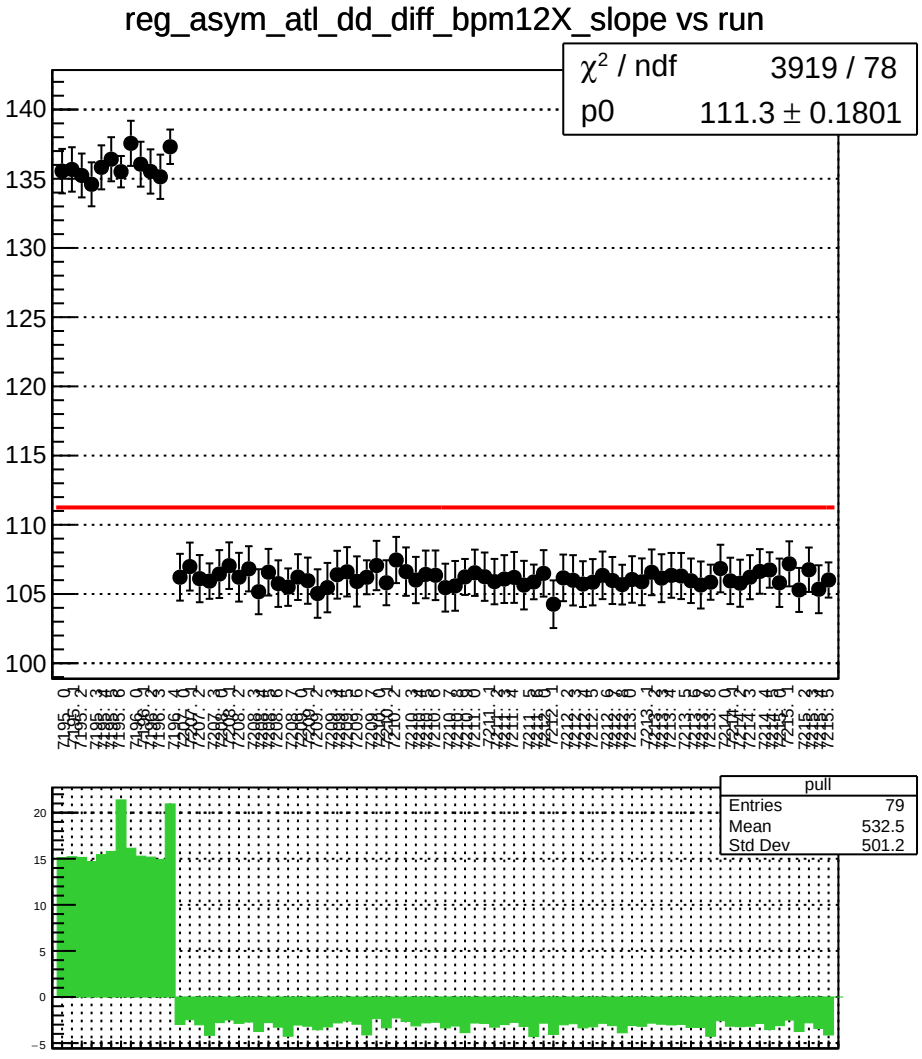

pull1D
Entries 79
Mean −0.01457
Std Dev 0.4449

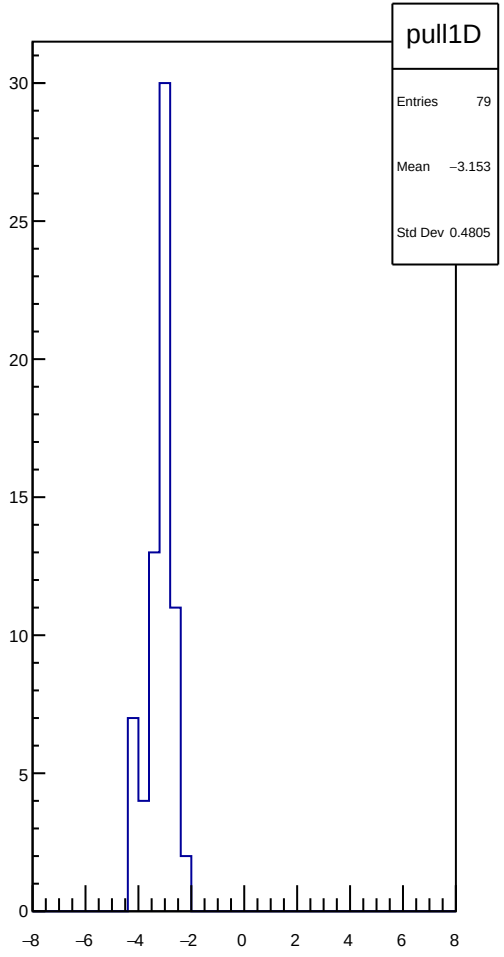

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 41.05 / 78
p0 −157.4 ± 5.085
pull
Entries 79
Mean 29.22
Std Dev 39.69

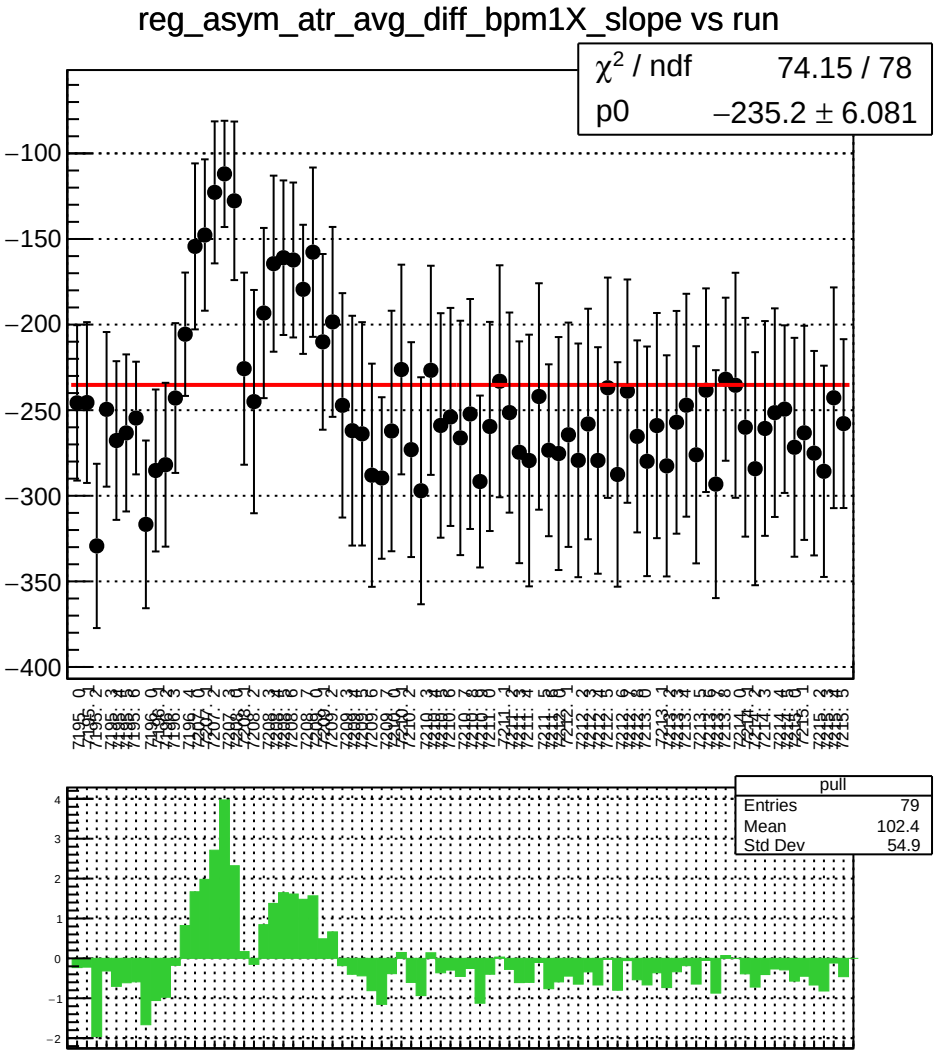

pull1D
Entries 79
Mean −0.06018
Std Dev 0.7184

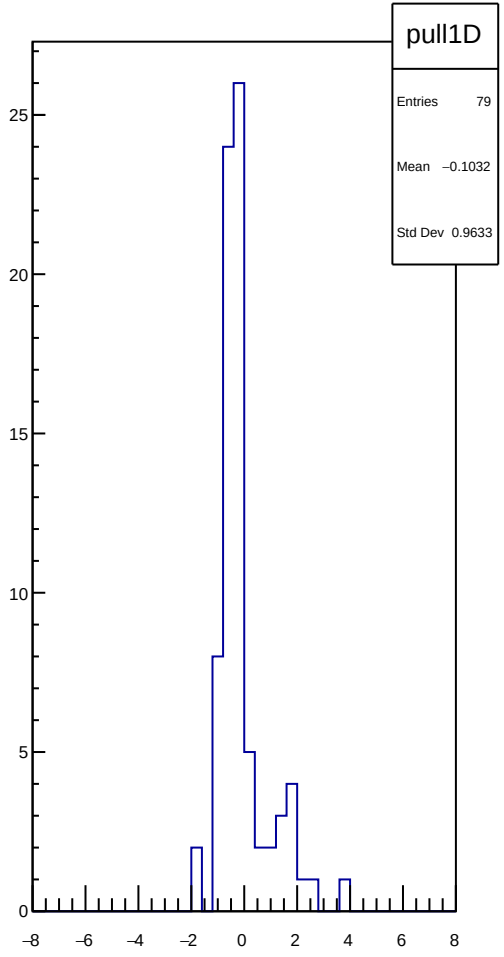

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 18 / 78
p0 −67.63 ± 4.283
pull
Entries 79
Mean 254.4
Std Dev 214.1

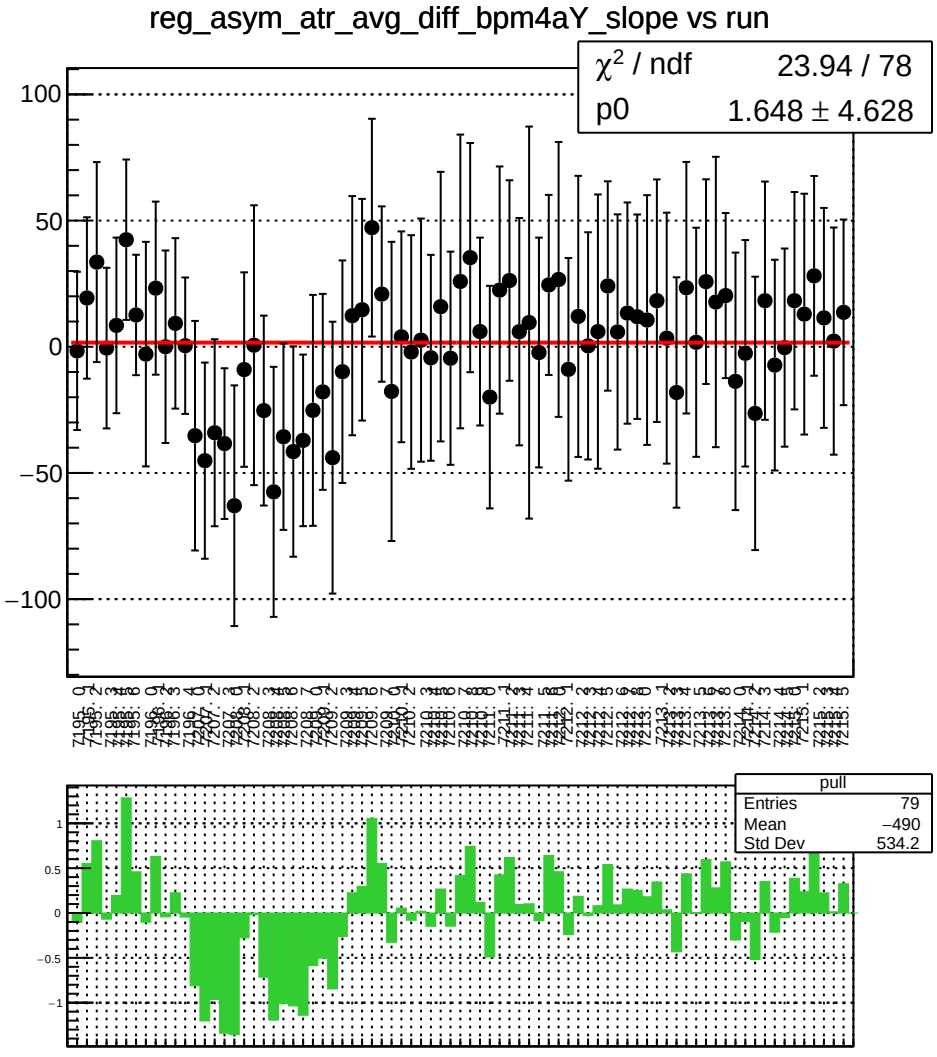

pull1D
Entries 79
Mean 0.02618
Std Dev 0.4766

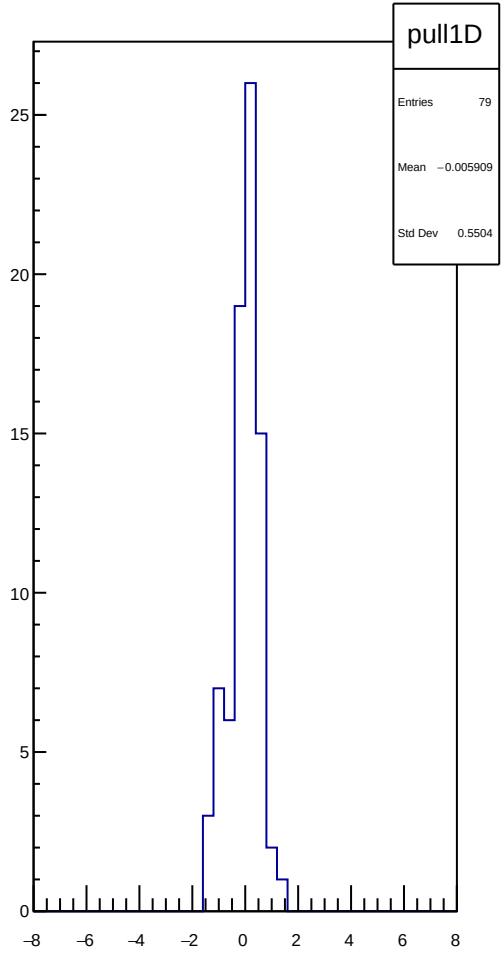

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 3919 / 78
p0 111.3 ± 0.1801
pull
Entries 79
Mean 532.5
Std Dev 501.2

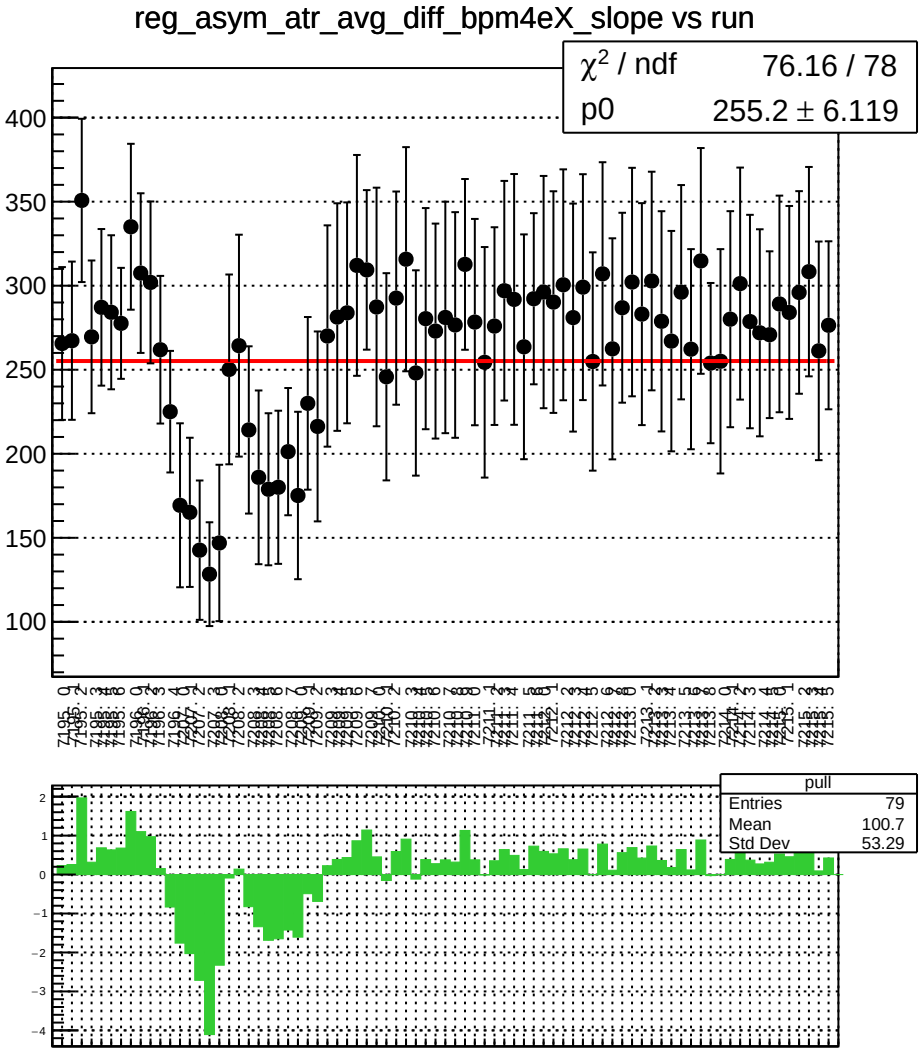

pull1D
Entries 79
Mean −3.153
Std Dev 0.4805

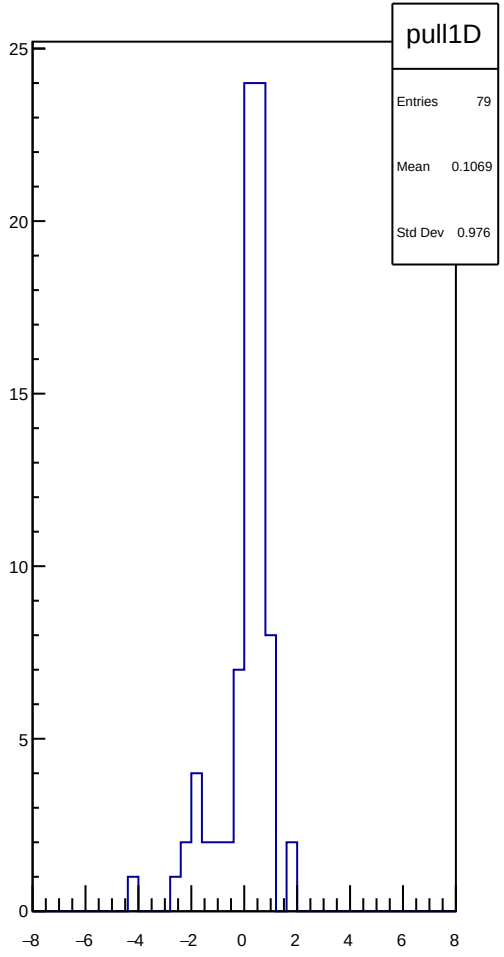

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 74.15 / 78
p0 −235.2 ± 6.081
pull
Entries 79
Mean 102.4
Std Dev 54.9

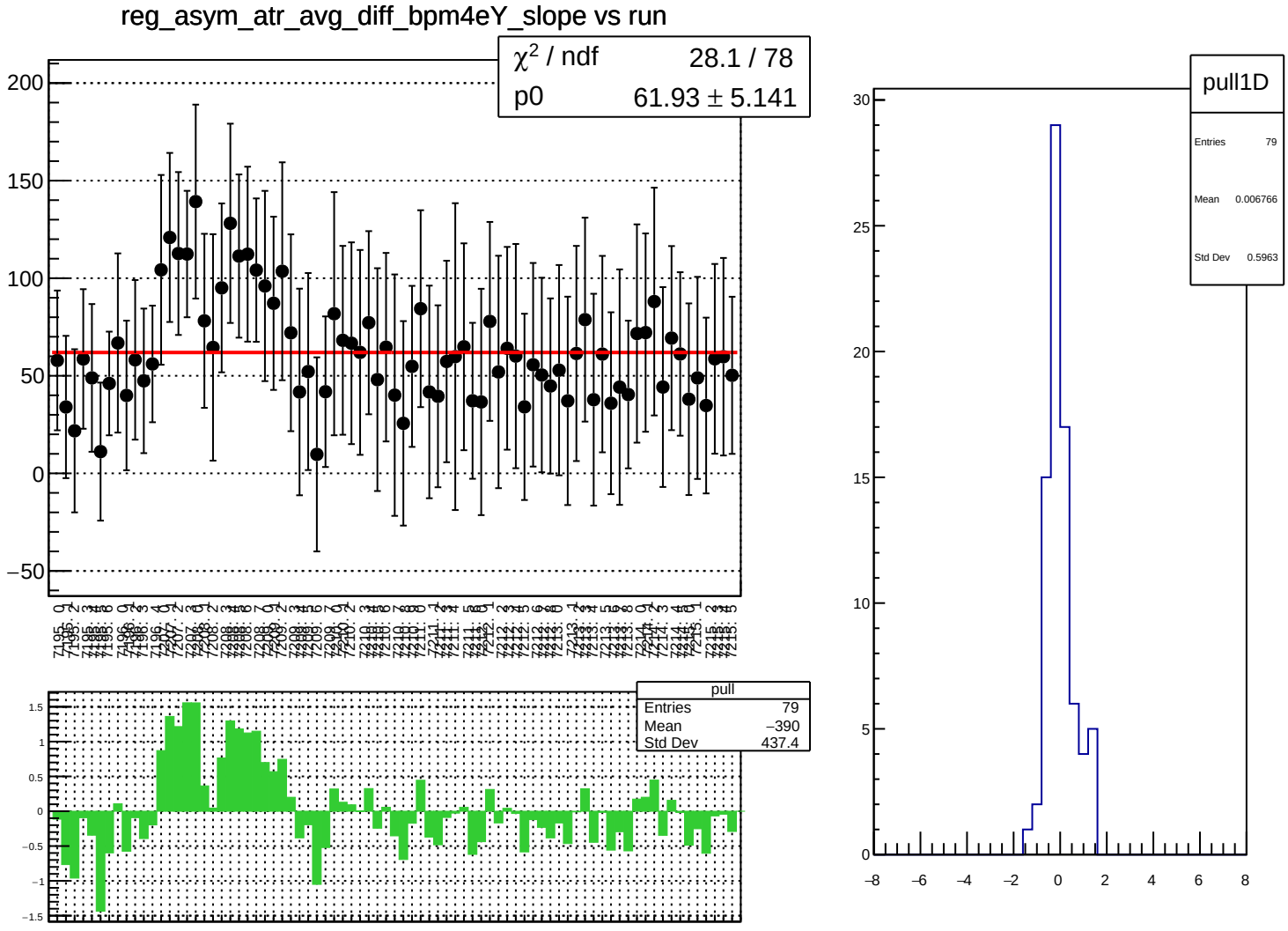

pull1D
Entries 79
Mean −0.1032
Std Dev 0.9633

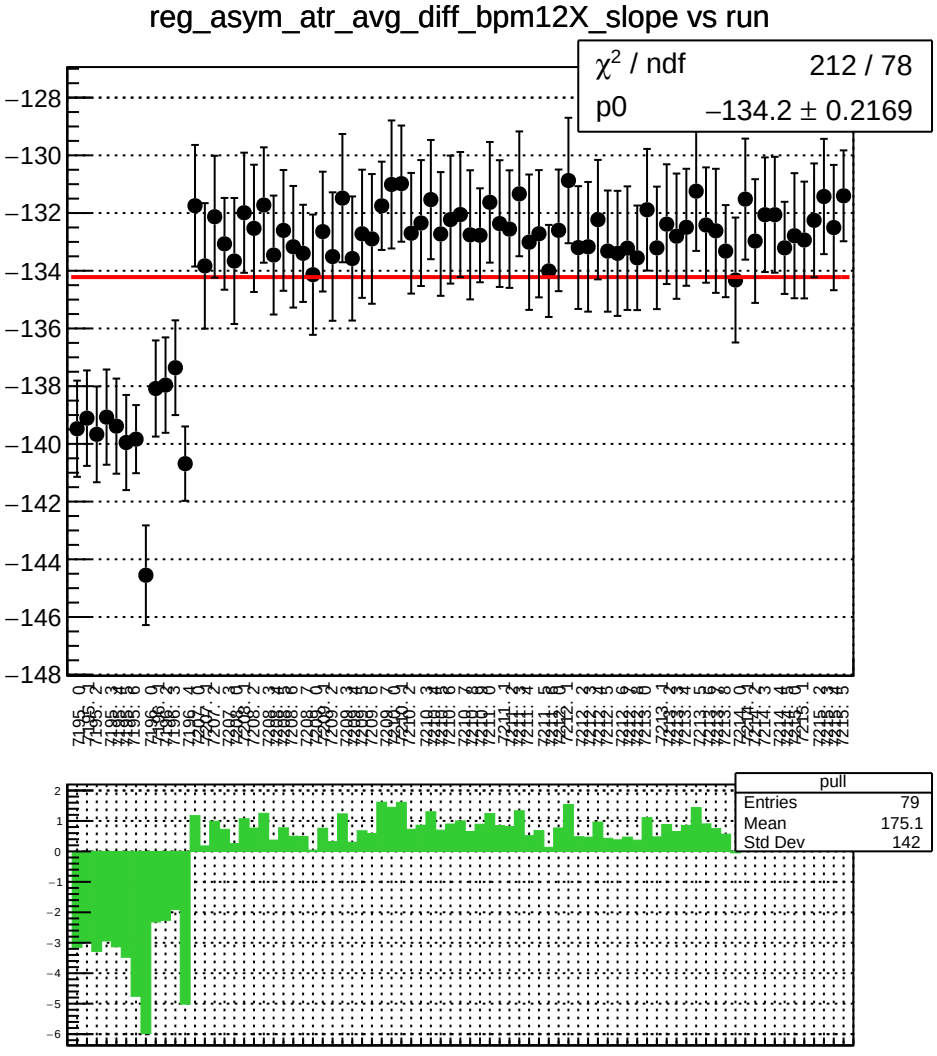

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.94 / 78
p0 1.648 ± 4.628
pull
Entries 79
Mean −490
Std Dev 534.2

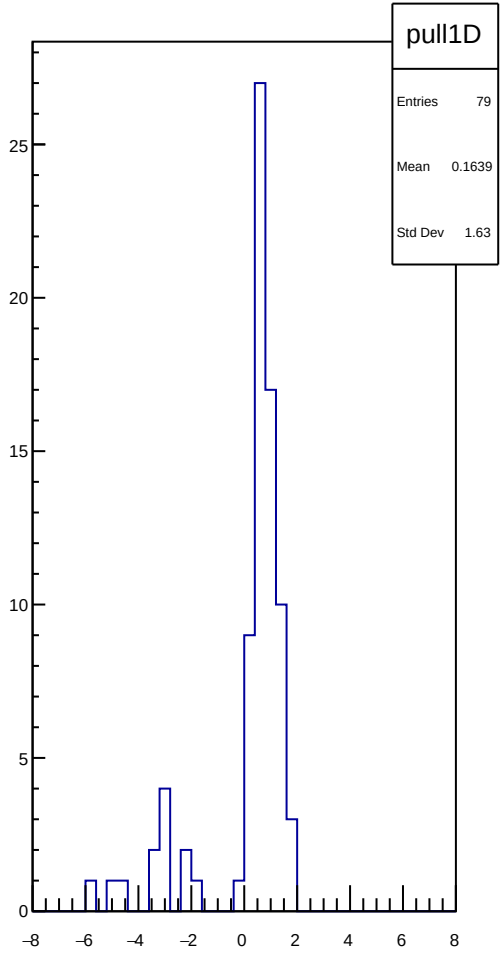

pull1D
Entries 79
Mean −0.005909
Std Dev 0.5504

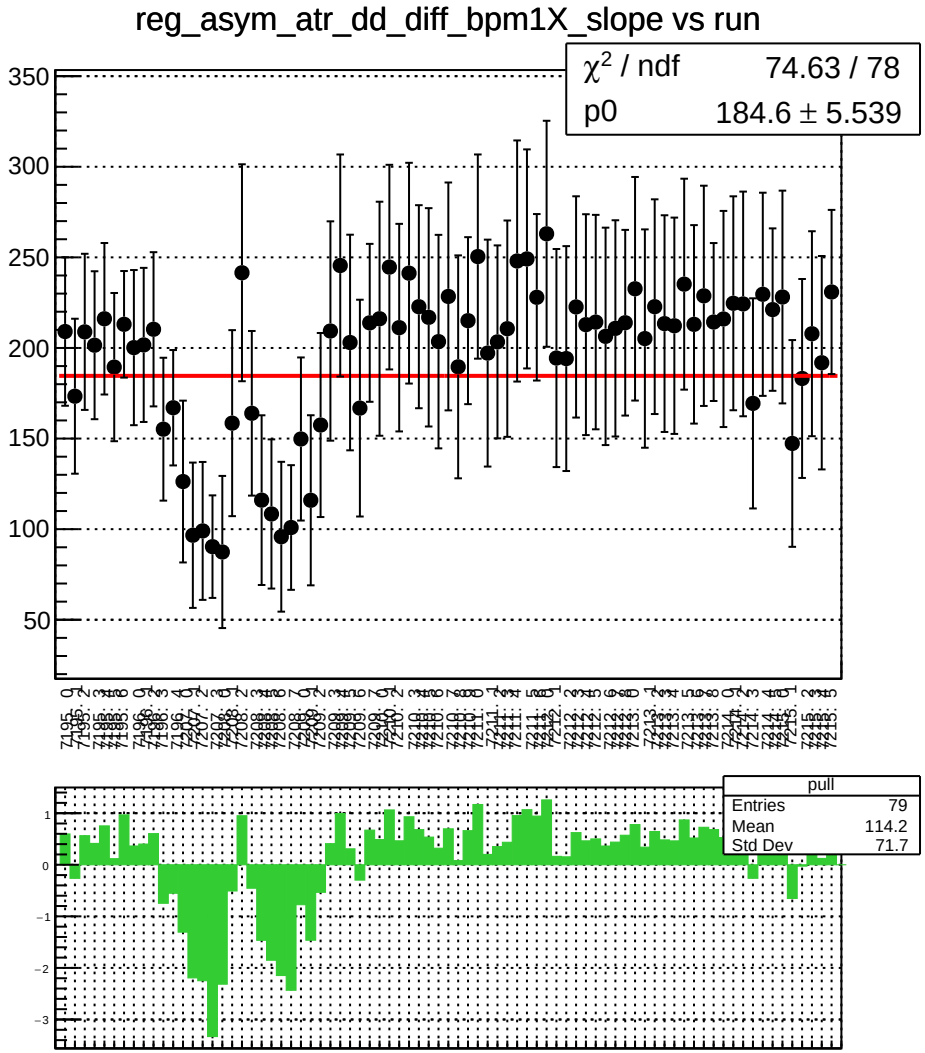

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.16 / 78
p0 255.2 ± 6.119
pull
Entries 79
Mean 100.7
Std Dev 53.29

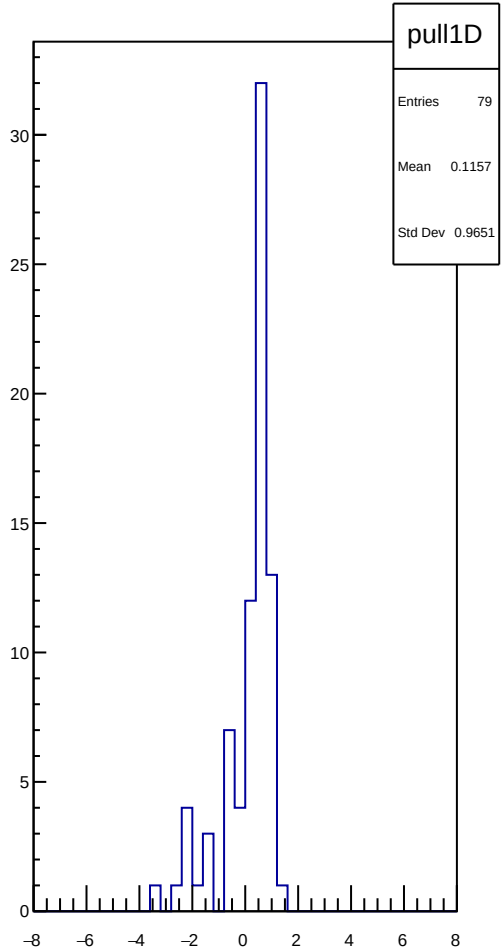

pull1D
Entries 79
Mean 0.1069
Std Dev 0.976

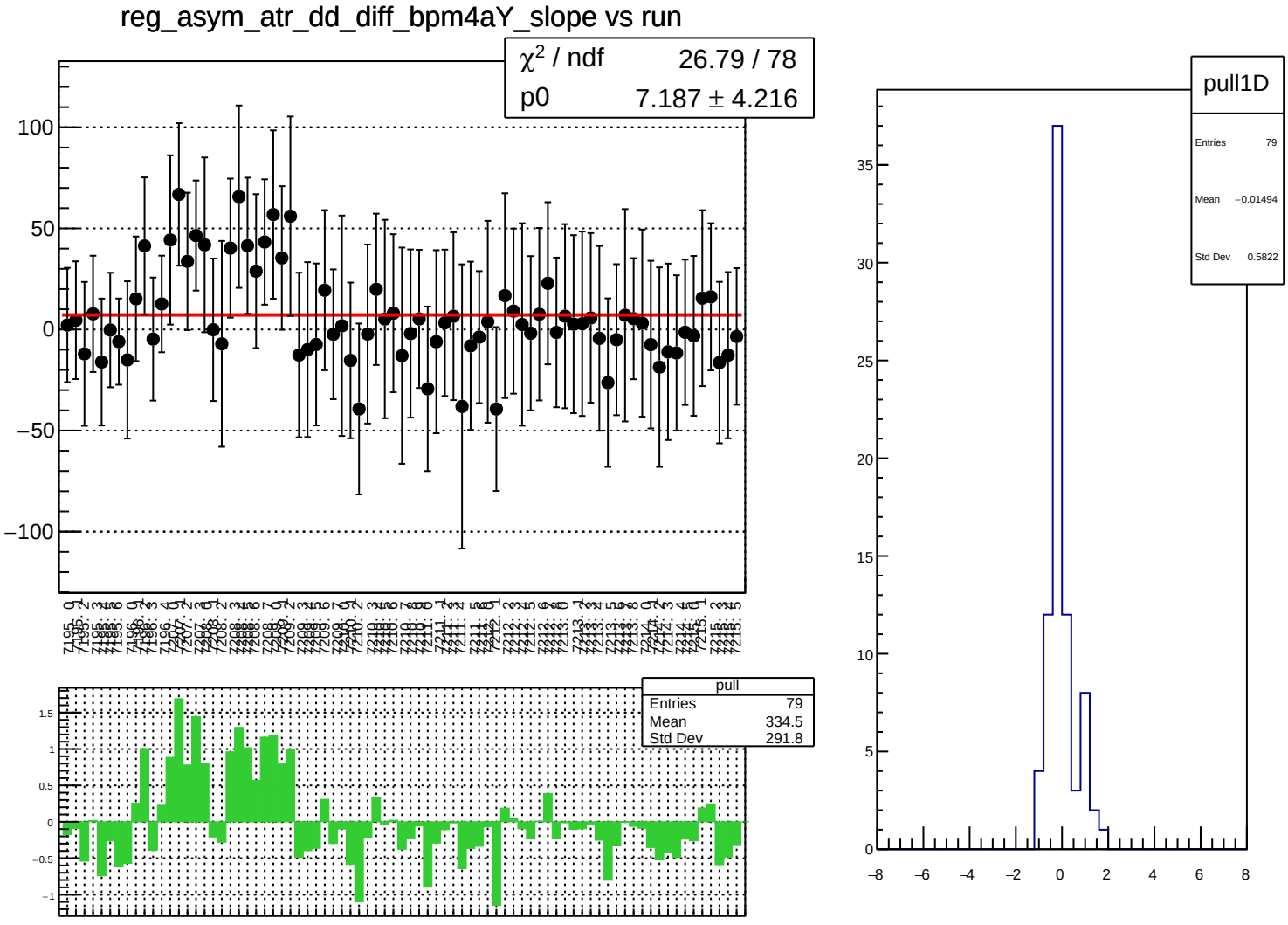

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.1 / 78
p0 61.93 ± 5.141
pull
Entries 79
Mean −390
Std Dev 437.4
pull1D
Entries 79
Mean 0.006766
Std Dev 0.5963

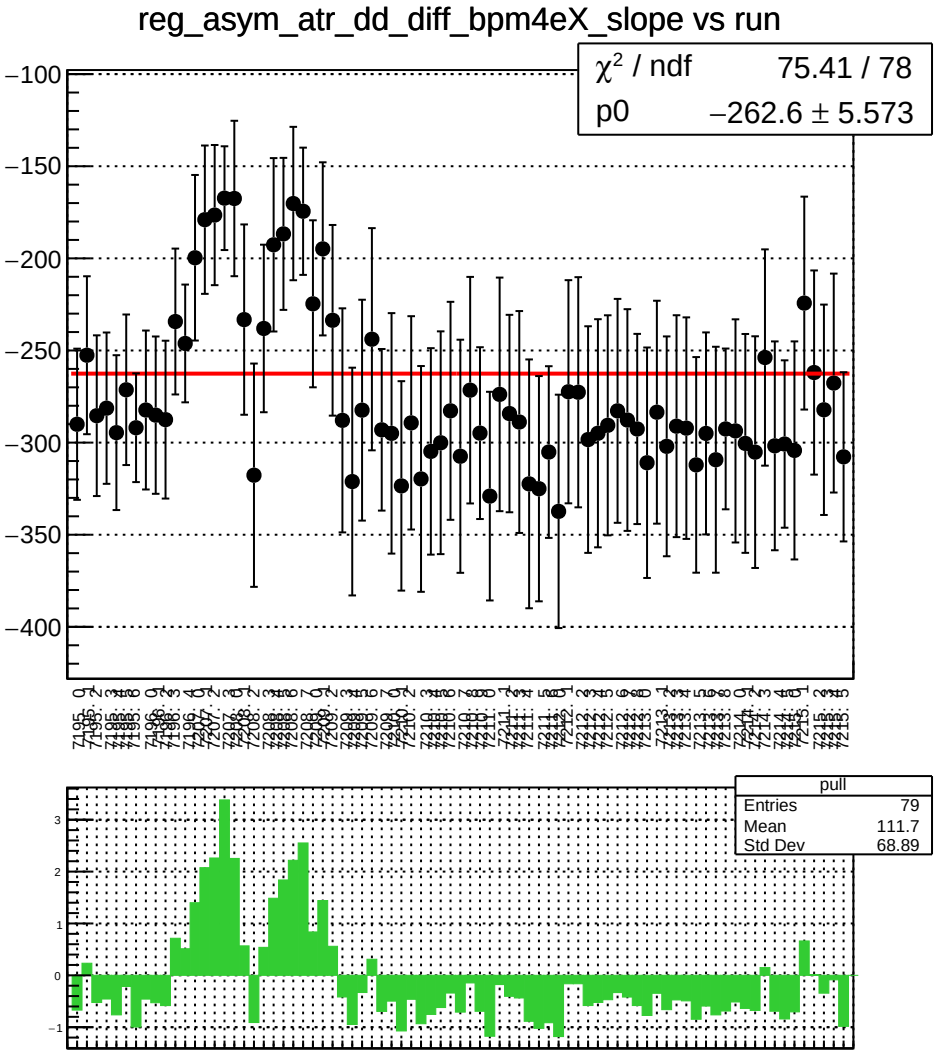

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 212 / 78
p0 −134.2 ± 0.2169
pull
Entries 79
Mean 175.1
Std Dev 142

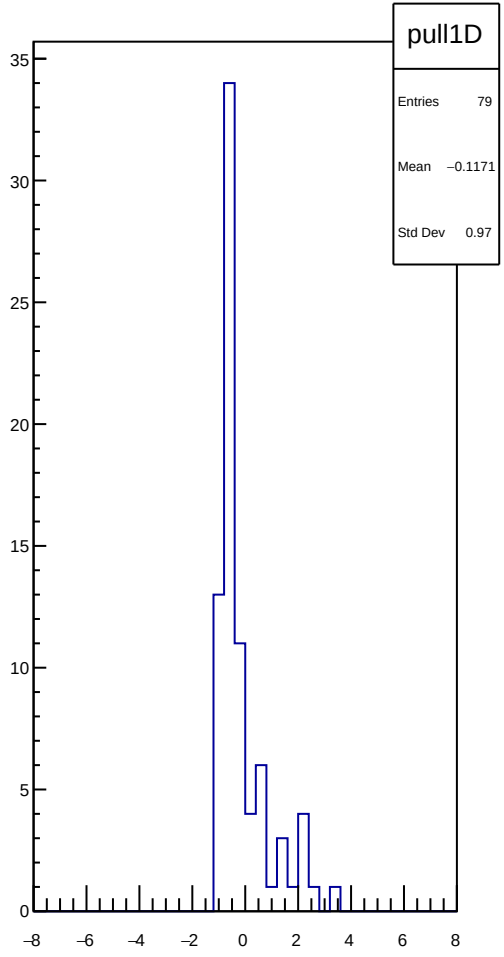

pull1D
Entries 79
Mean 0.1639
Std Dev 1.63

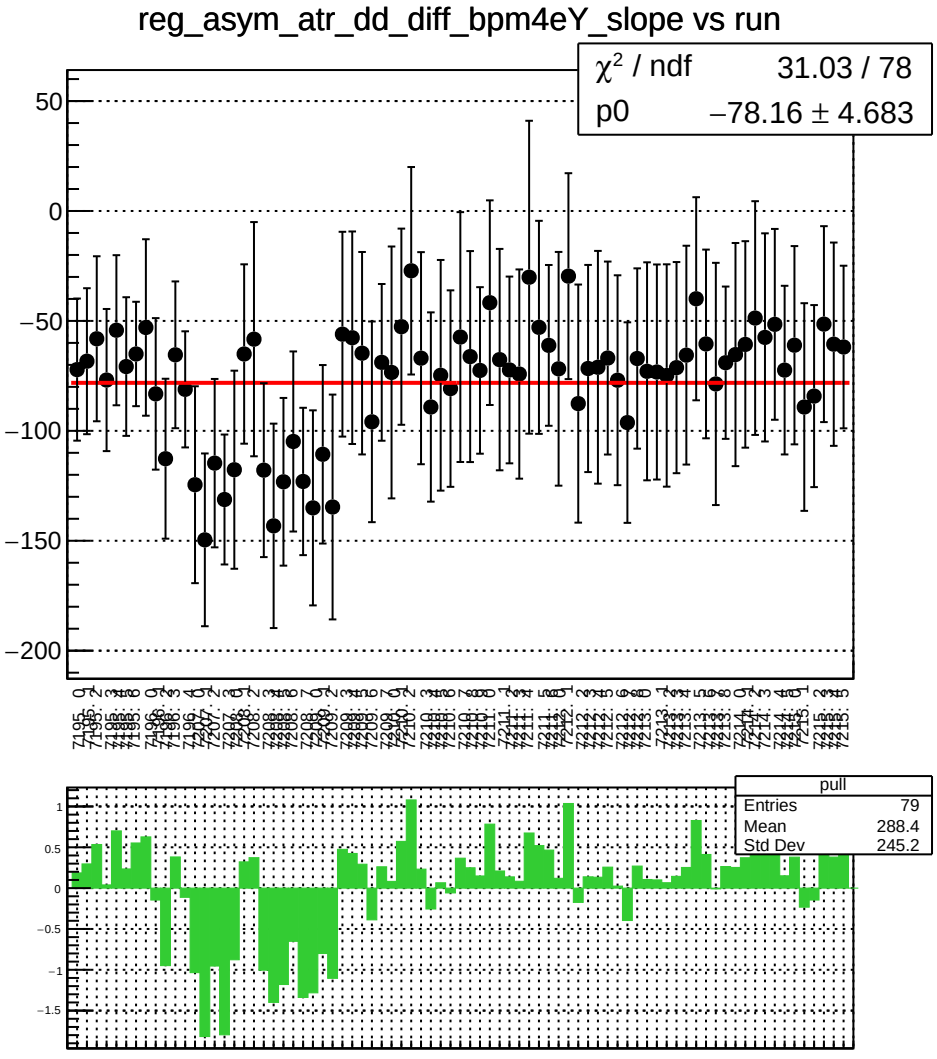

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 74.63 / 78
p0 184.6 ± 5.539
pull
Entries 79
Mean 114.2
Std Dev 71.7

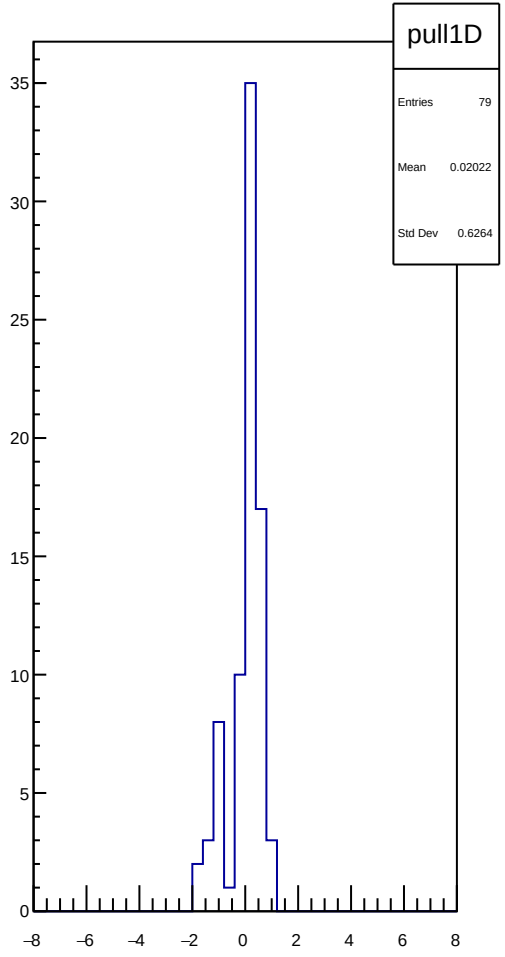

pull1D
Entries 79
Mean 0.1157
Std Dev 0.9651

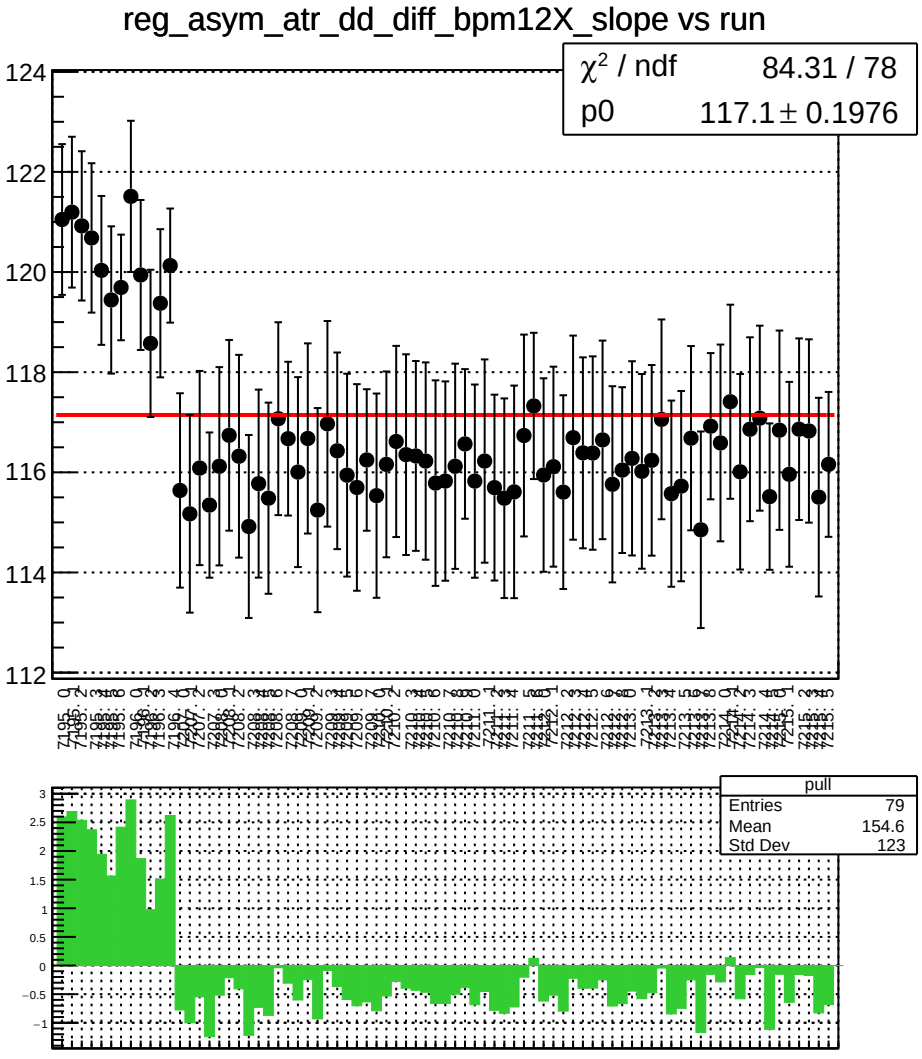

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 26.79 / 78
p0 7.187 ± 4.216
pull
Entries 79
Mean 334.5
Std Dev 291.8
pull1D
Entries 79
Mean −0.01494
Std Dev 0.5822

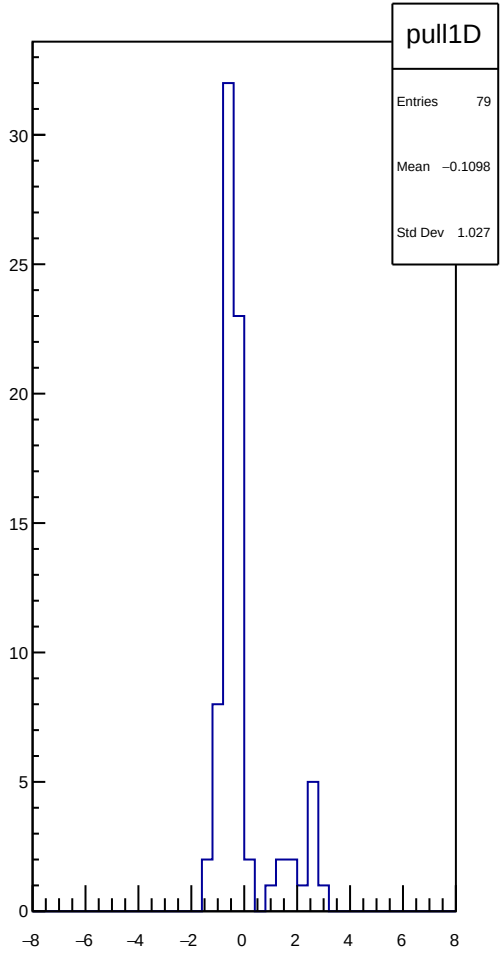

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 75.41 / 78
p0 −262.6 ± 5.573
pull
Entries 79
Mean 111.7
Std Dev 68.89

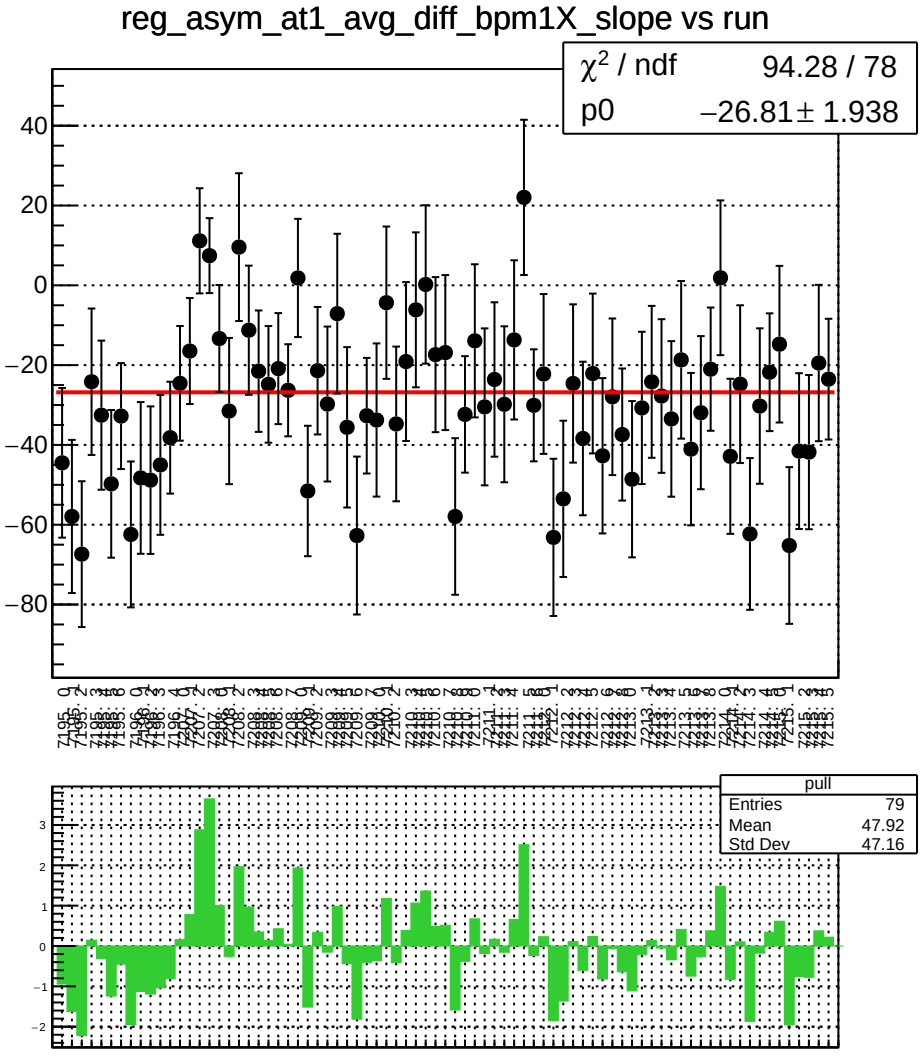

pull1D
Entries 79
Mean −0.1171
Std Dev 0.97

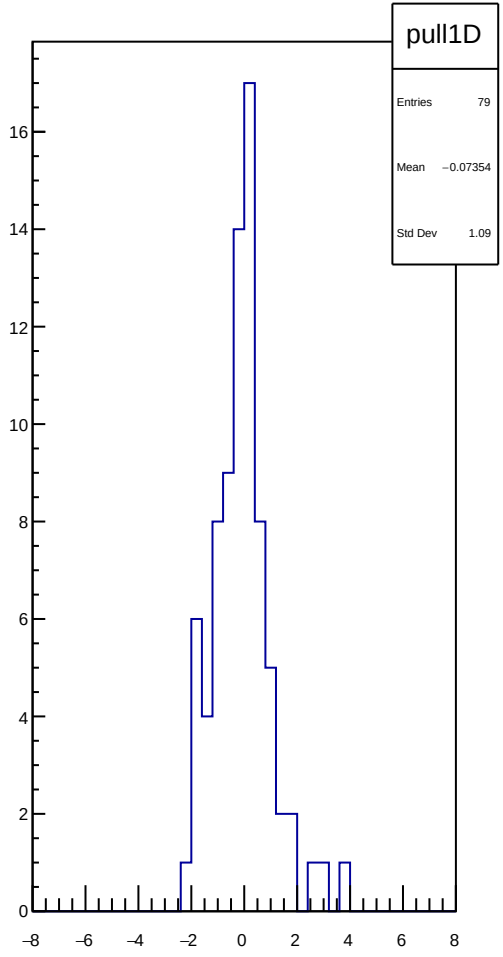

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 31.03 / 78
p0 −78.16 ± 4.683
pull
Entries 79
Mean 288.4
Std Dev 245.2

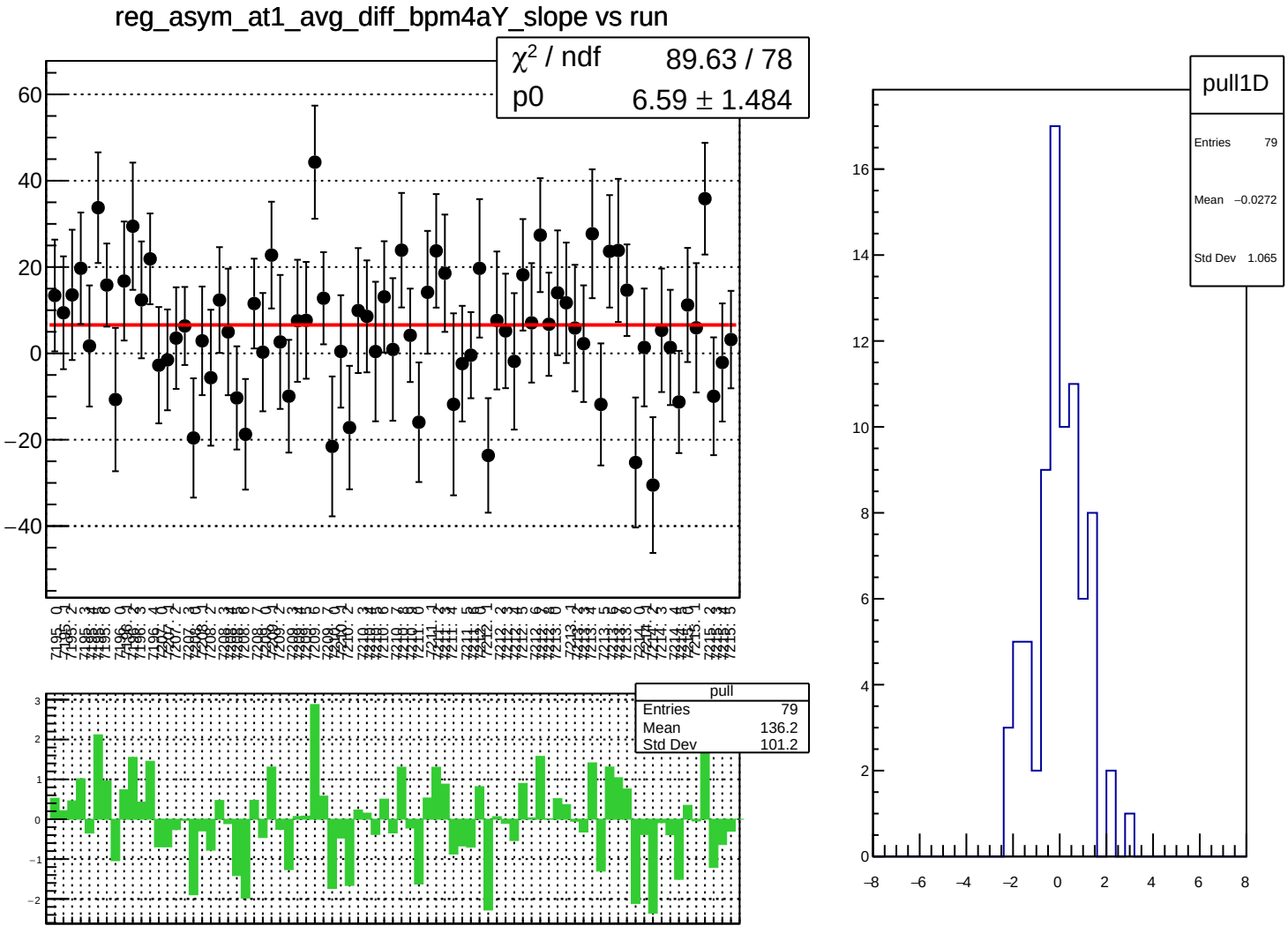

pull1D
Entries 79
Mean 0.02022
Std Dev 0.6264

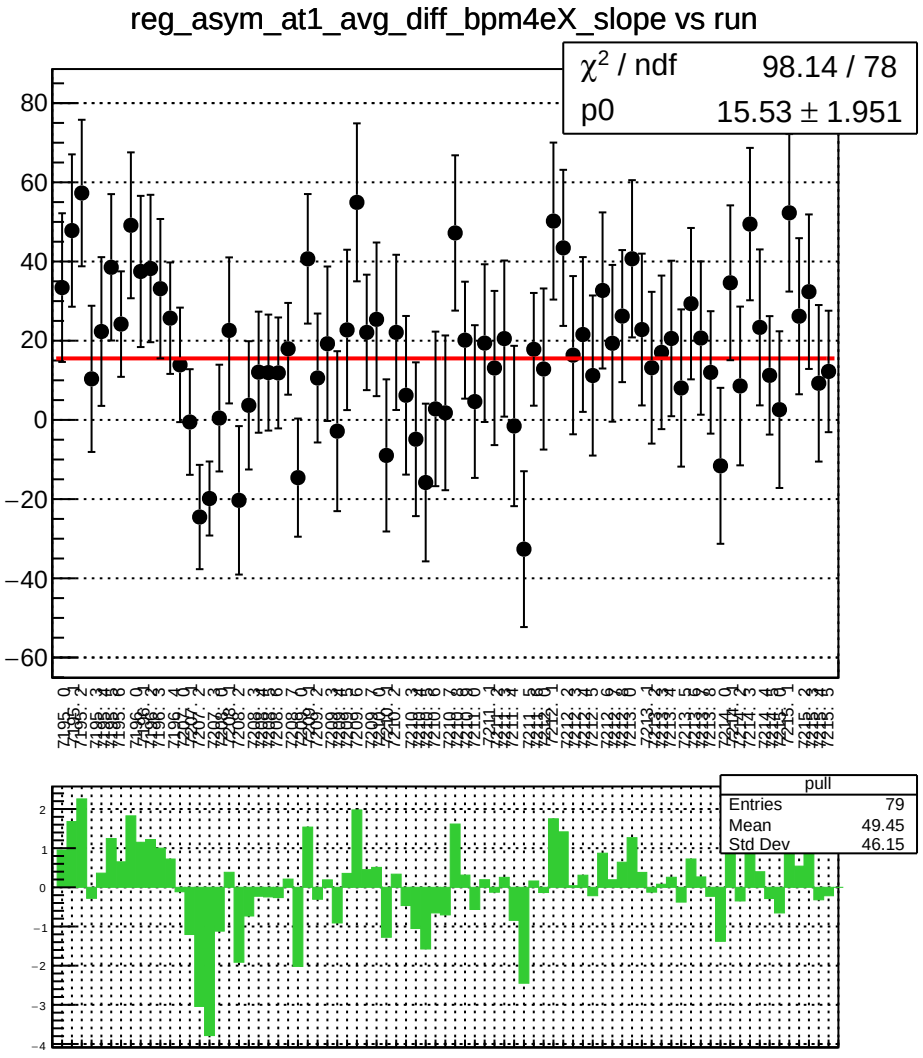

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 84.31 / 78
p0 117.1 ± 0.1976
pull
Entries 79
Mean 154.6
Std Dev 123

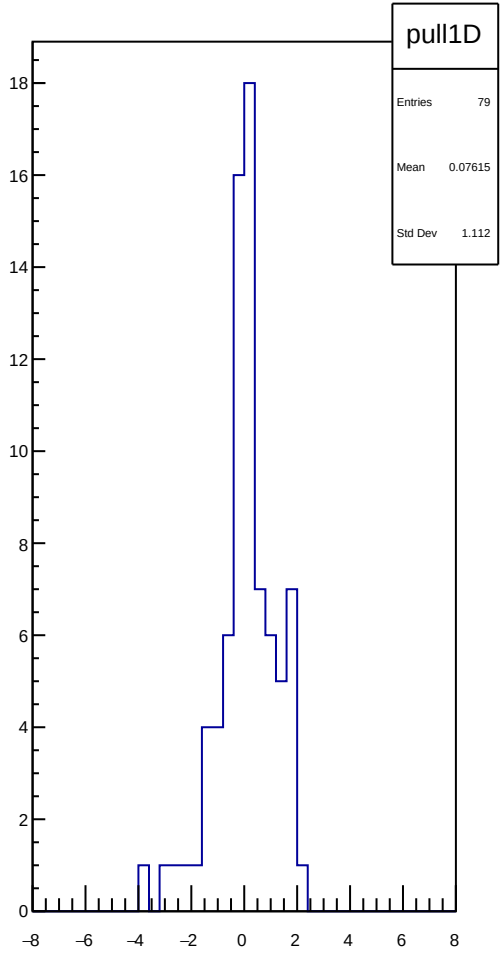

pull1D
Entries 79
Mean −0.1098
Std Dev 1.027

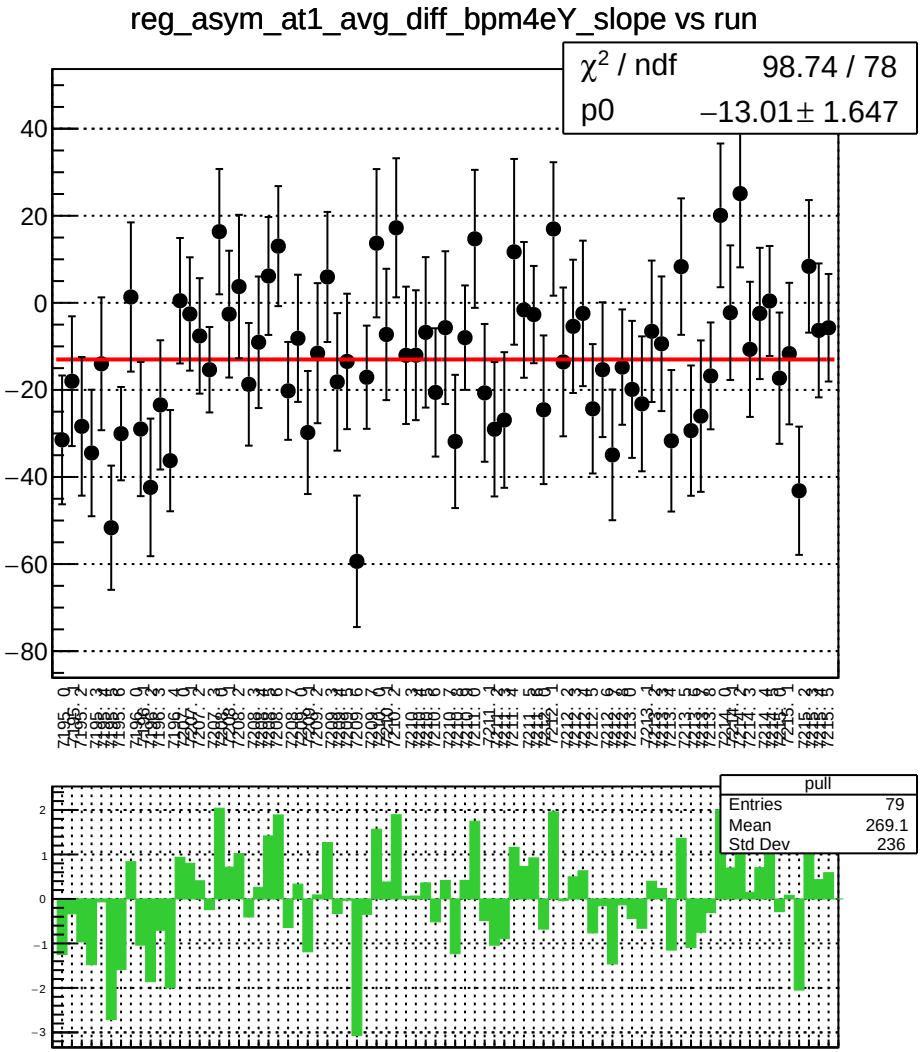

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 94.28 / 78
p0 −26.81 ± 1.938
pull
Entries 79
Mean 47.92
Std Dev 47.16

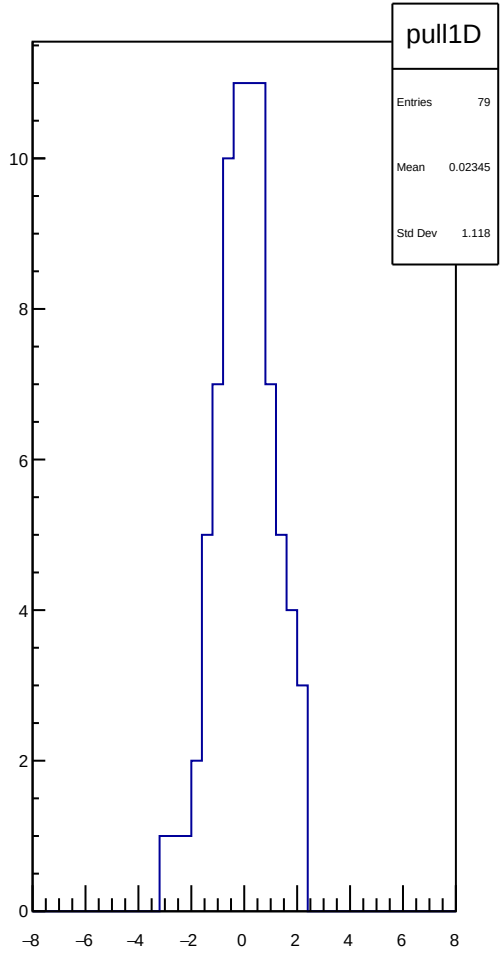

pull1D
Entries 79
Mean −0.07354
Std Dev 1.09

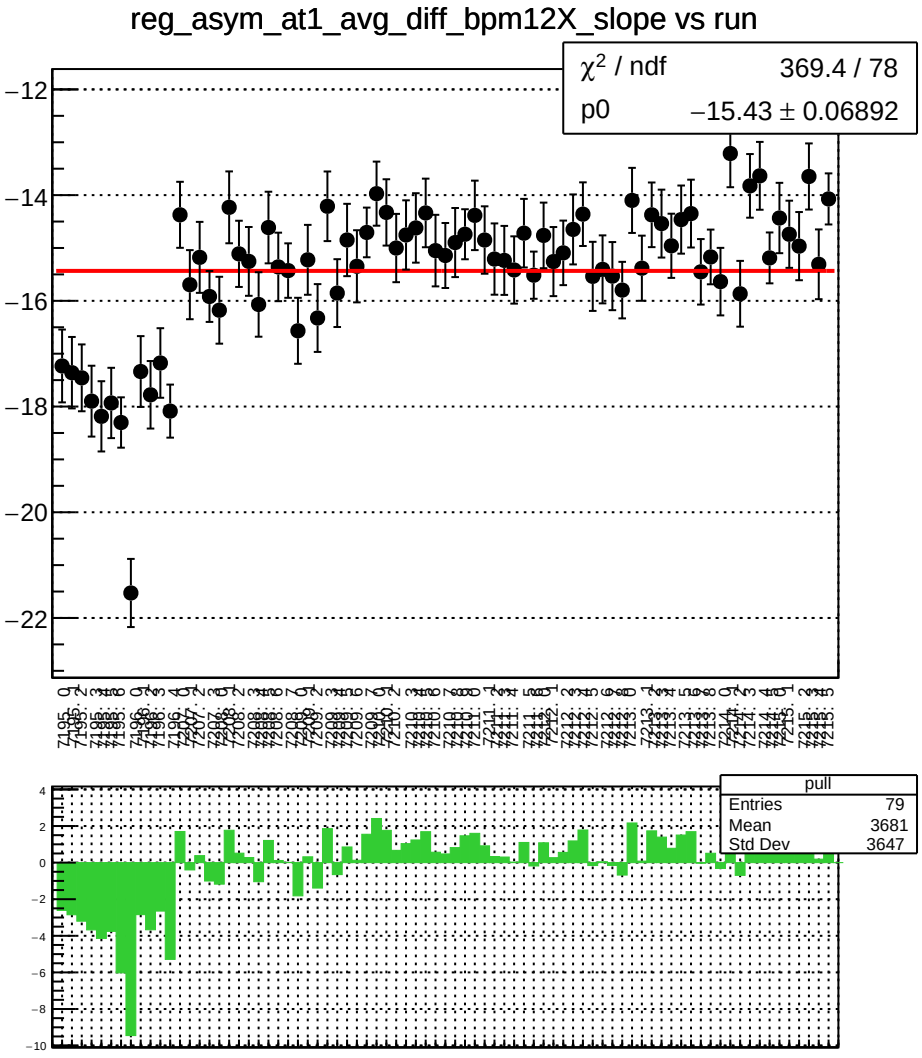

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 89.63 / 78
p0 6.59 ± 1.484
pull
Entries 79
Mean 136.2
Std Dev 101.2
pull1D
Entries 79
Mean −0.0272
Std Dev 1.065

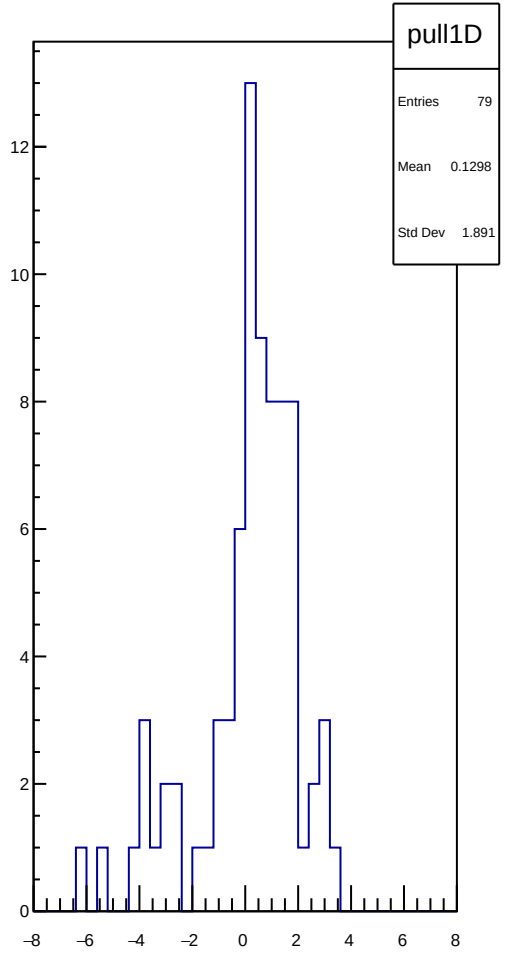

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 98.14 / 78
p0 15.53 ± 1.951
pull
Entries 79
Mean 49.45
Std Dev 46.15

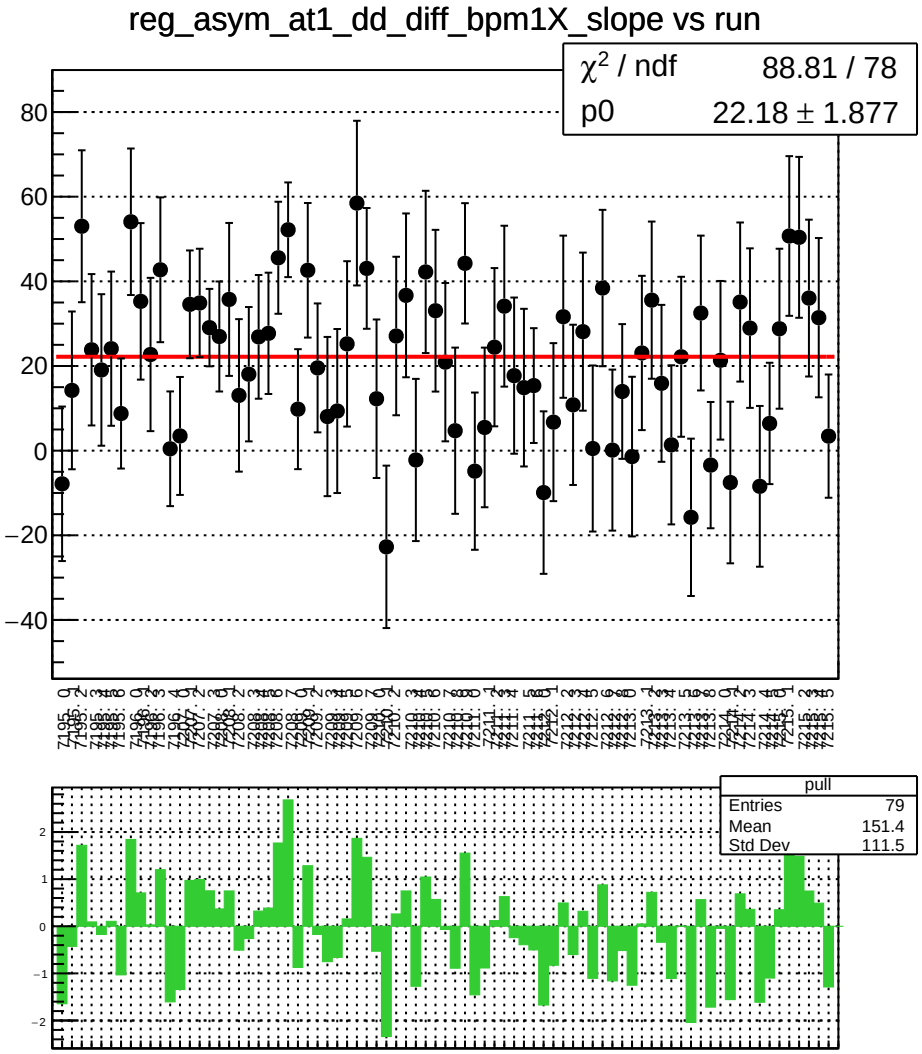

pull1D
Entries 79
Mean 0.07615
Std Dev 1.112

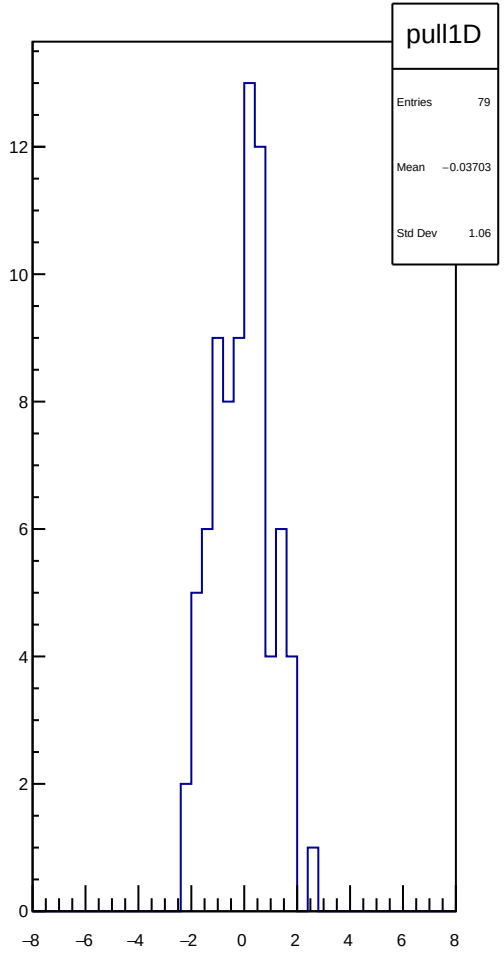

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 98.74 / 78
p0 −13.01 ± 1.647
pull
Entries 79
Mean 269.1
Std Dev 236

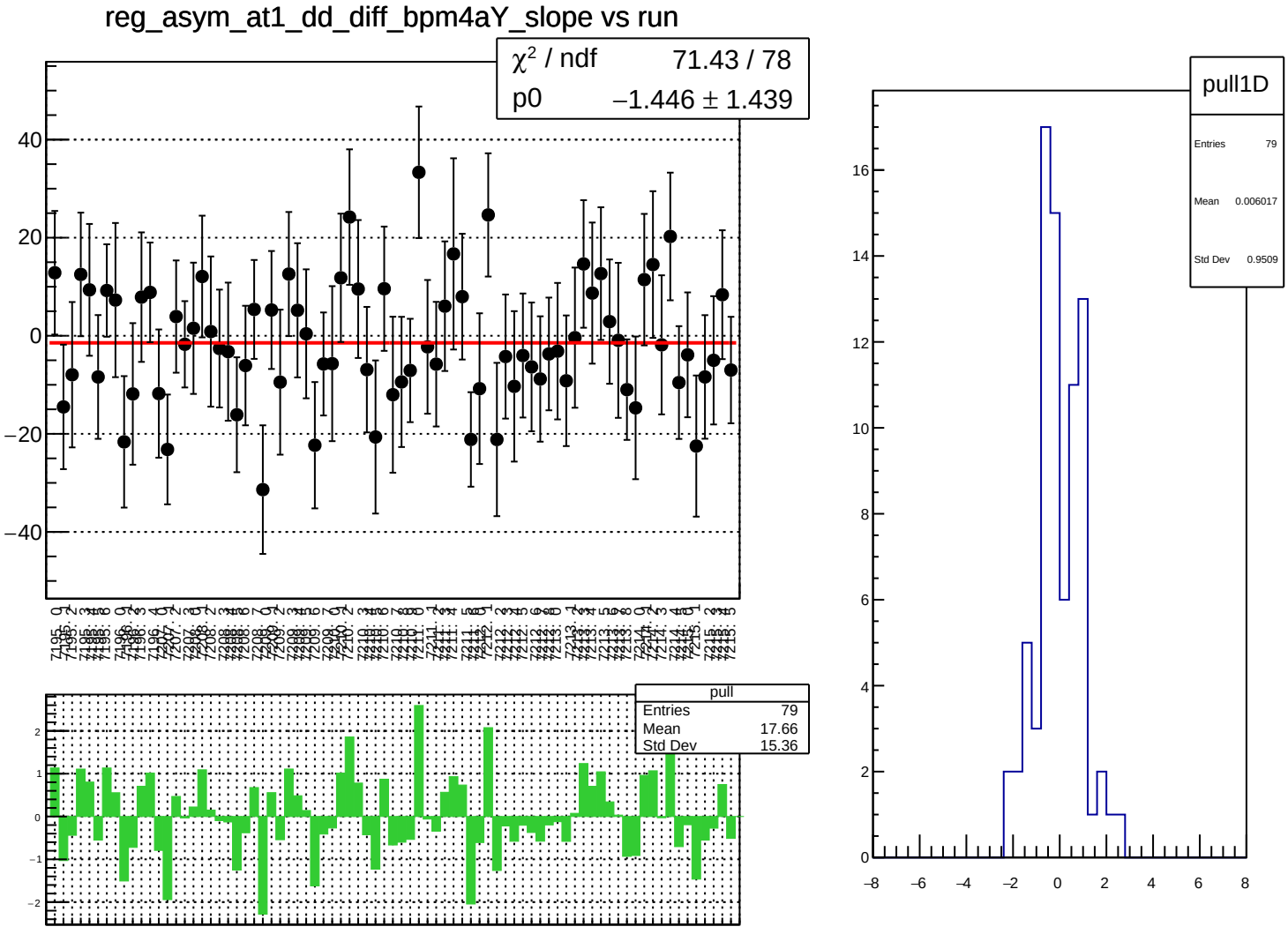

pull1D
Entries 79
Mean 0.02345
Std Dev 1.118

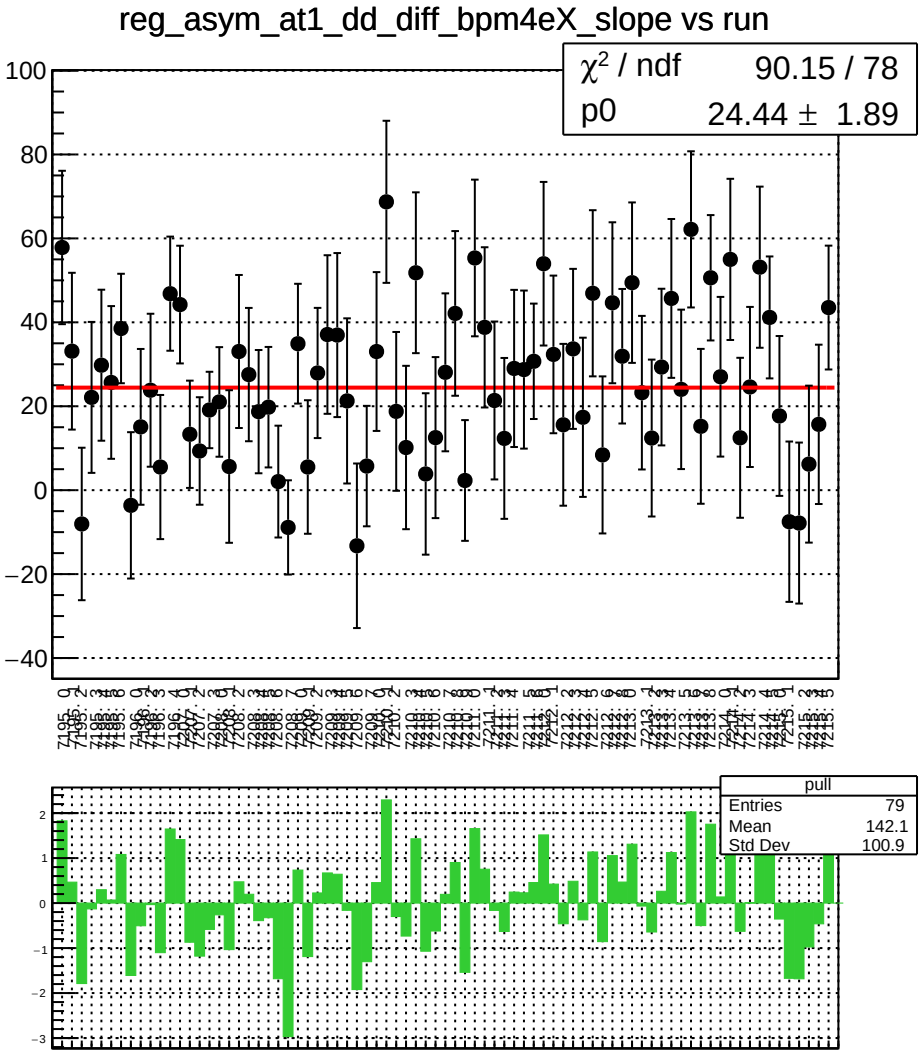

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 369.4 / 78
p0 −15.43 ± 0.06892
pull
Entries 79
Mean 3681
Std Dev 3647

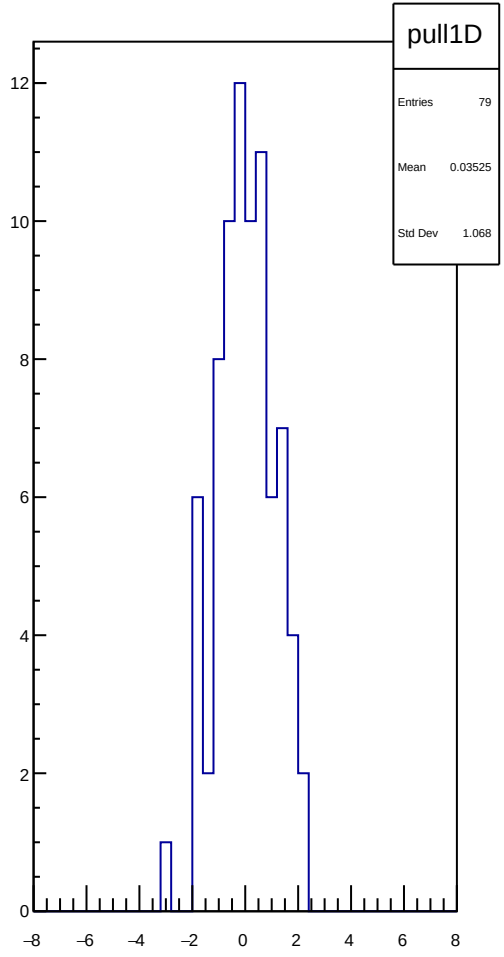

pull1D
Entries 79
Mean 0.1298
Std Dev 1.891

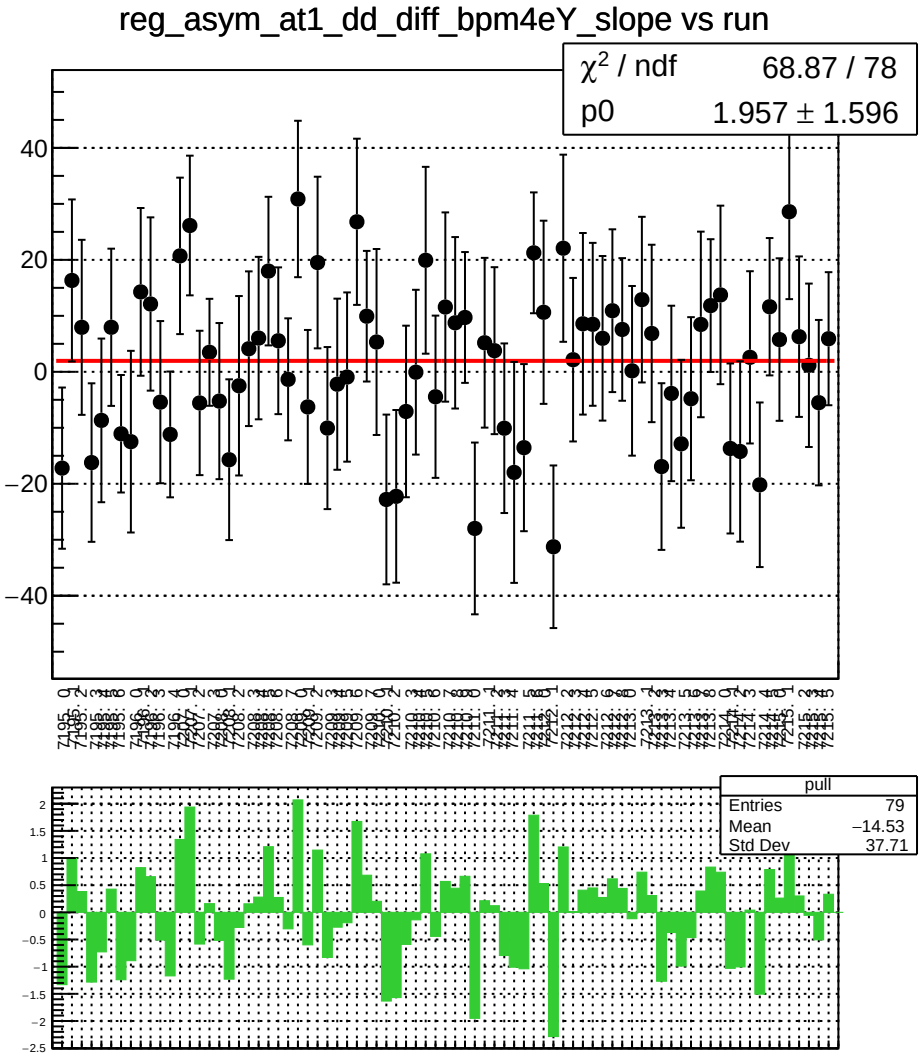

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 88.81 / 78
p0 22.18 ± 1.877
pull
Entries 79
Mean 151.4
Std Dev 111.5

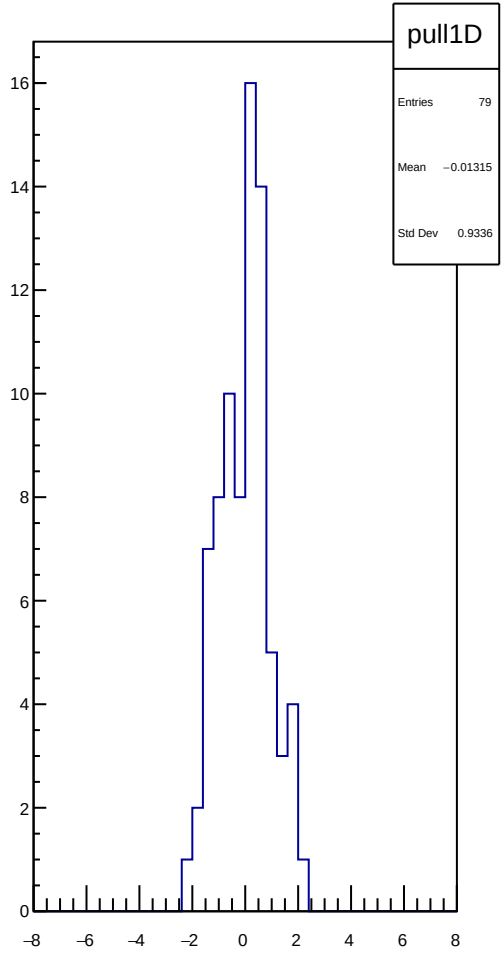

pull1D
Entries 79
Mean −0.03703
Std Dev 1.06

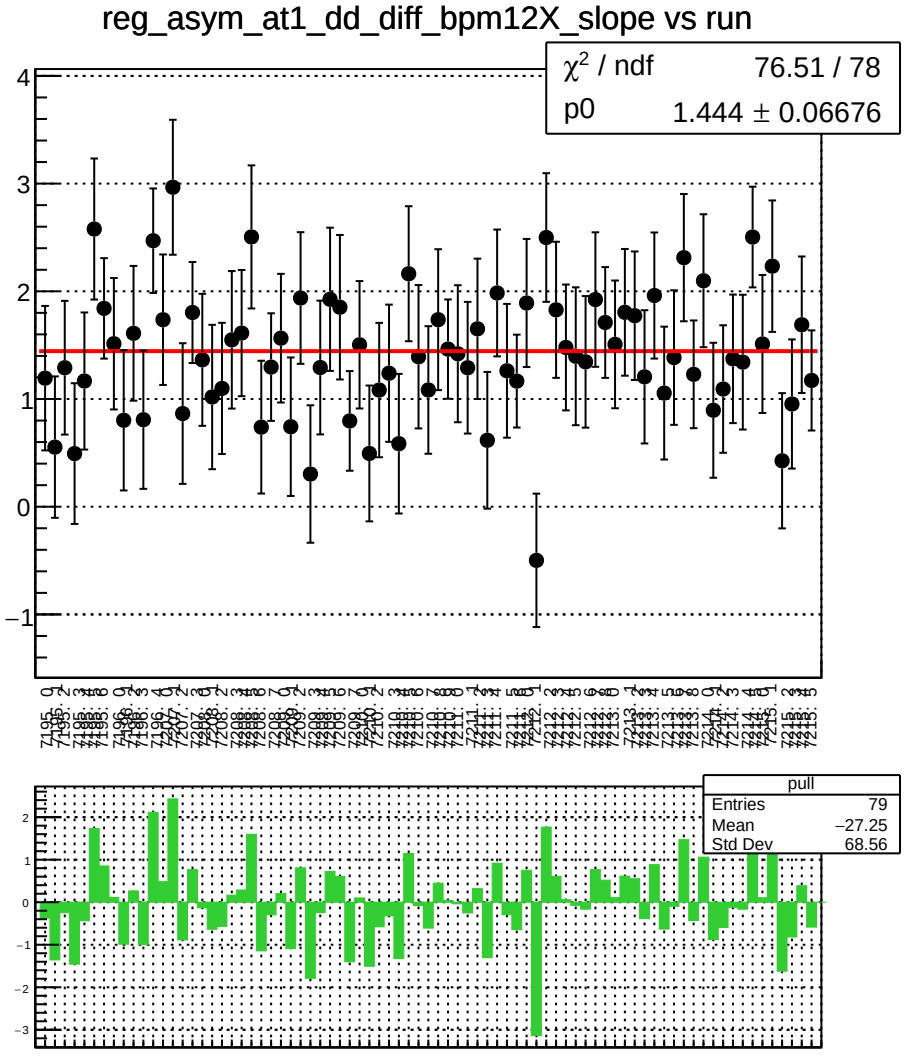

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.43 / 78
p0 −1.446 ± 1.439
pull
Entries 79
Mean 17.66
Std Dev 15.36
pull1D
Entries 79
Mean 0.006017
Std Dev 0.9509

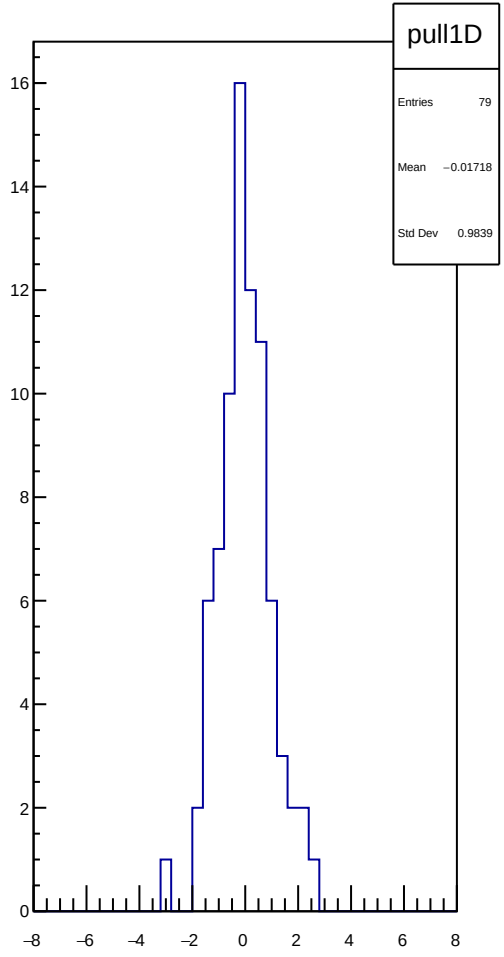

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.15 / 78
p0 24.44 ± 1.89
pull
Entries 79
Mean 142.1
Std Dev 100.9

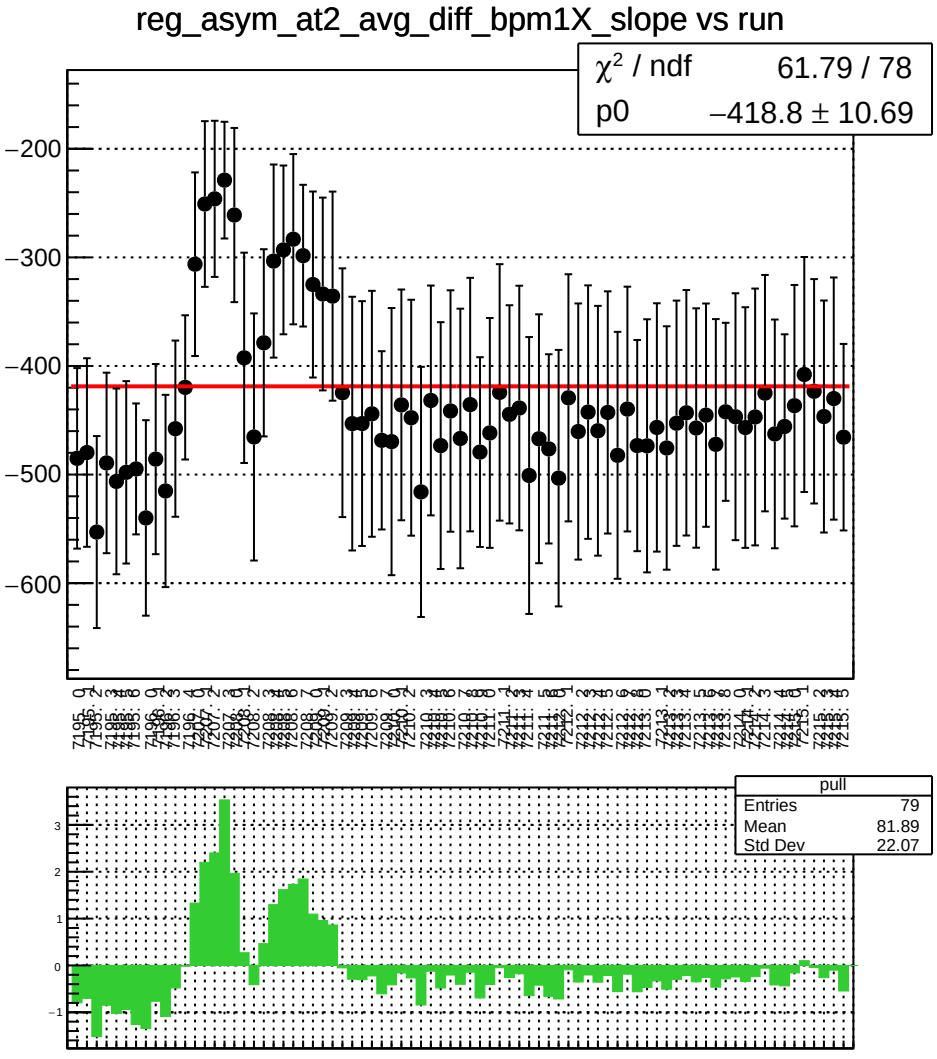

pull1D
Entries 79
Mean 0.03525
Std Dev 1.068

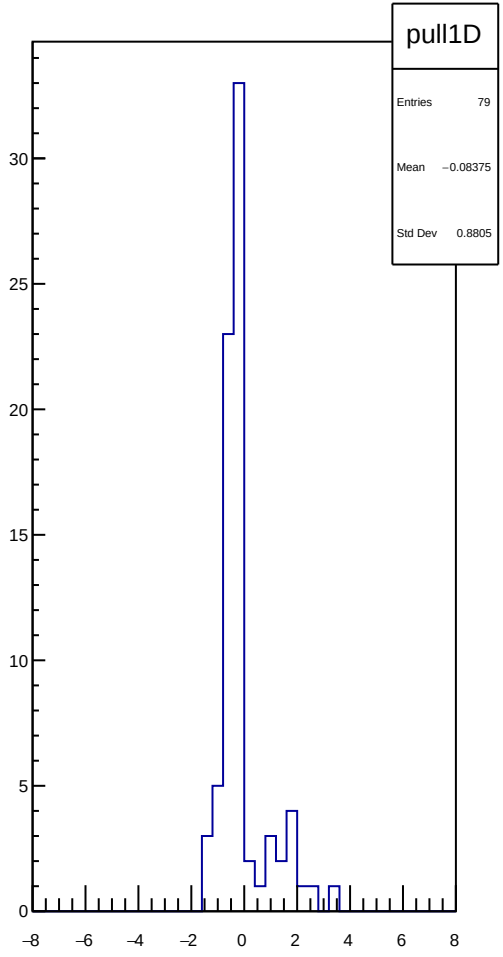

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 68.87 / 78
p0 1.957 ± 1.596
pull
Entries 79
Mean −14.53
Std Dev 37.71

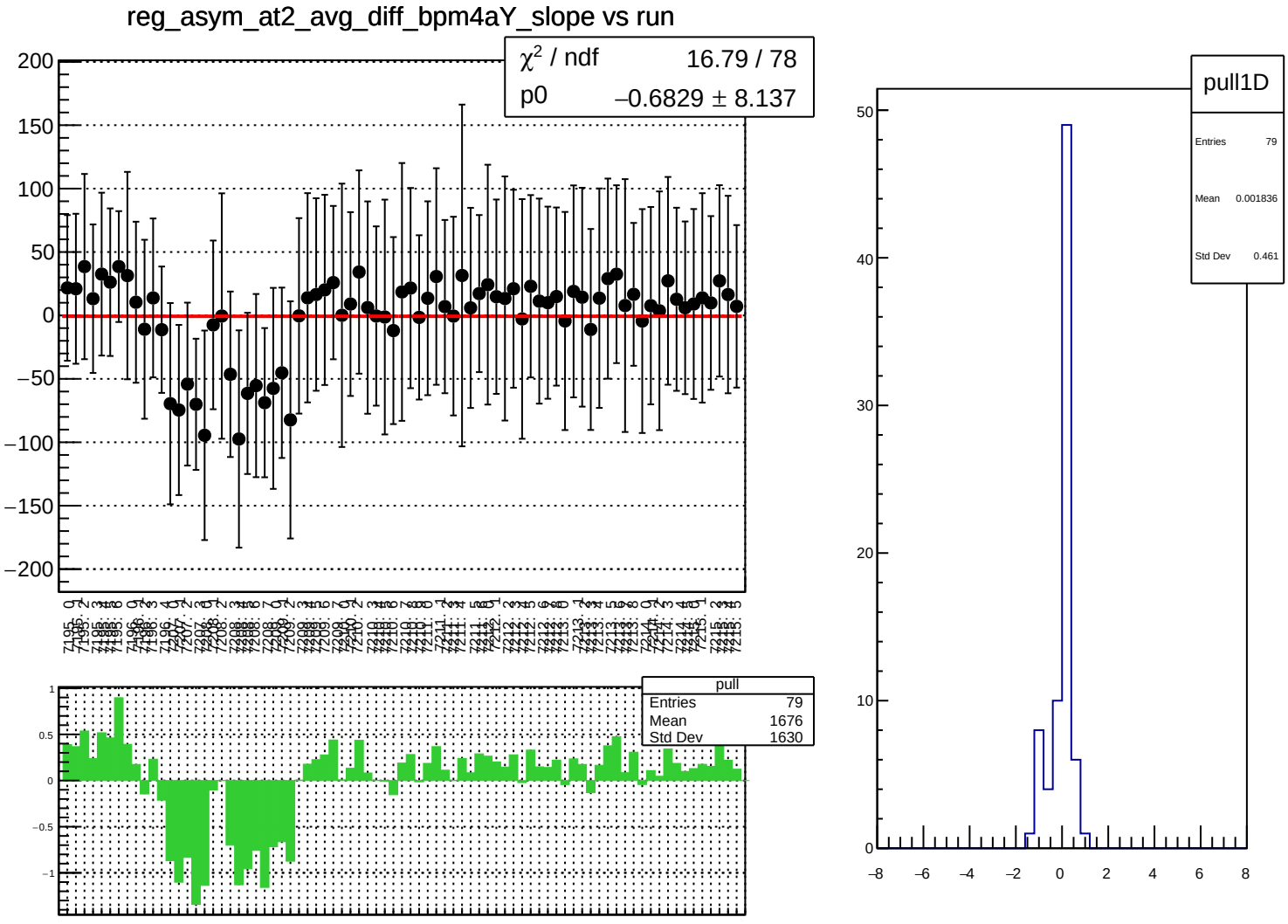

pull1D
Entries 79
Mean −0.01315
Std Dev 0.9336

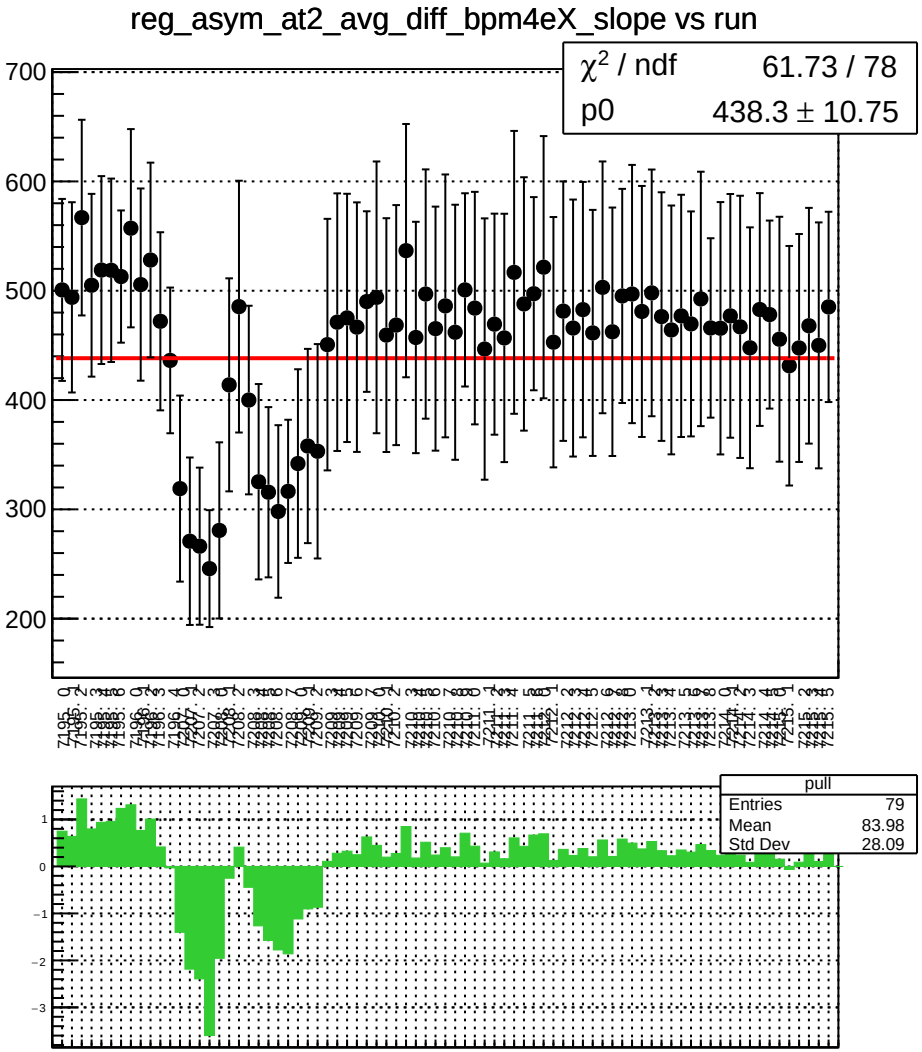

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 76.51 / 78
p0 1.444 ± 0.06676
pull
Entries 79
Mean −27.25
Std Dev 68.56

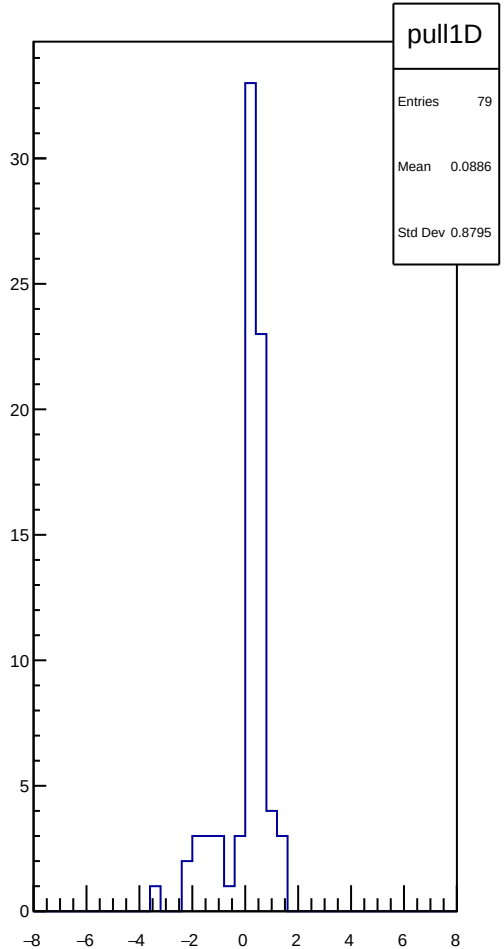

pull1D
Entries 79
Mean −0.01718
Std Dev 0.9839

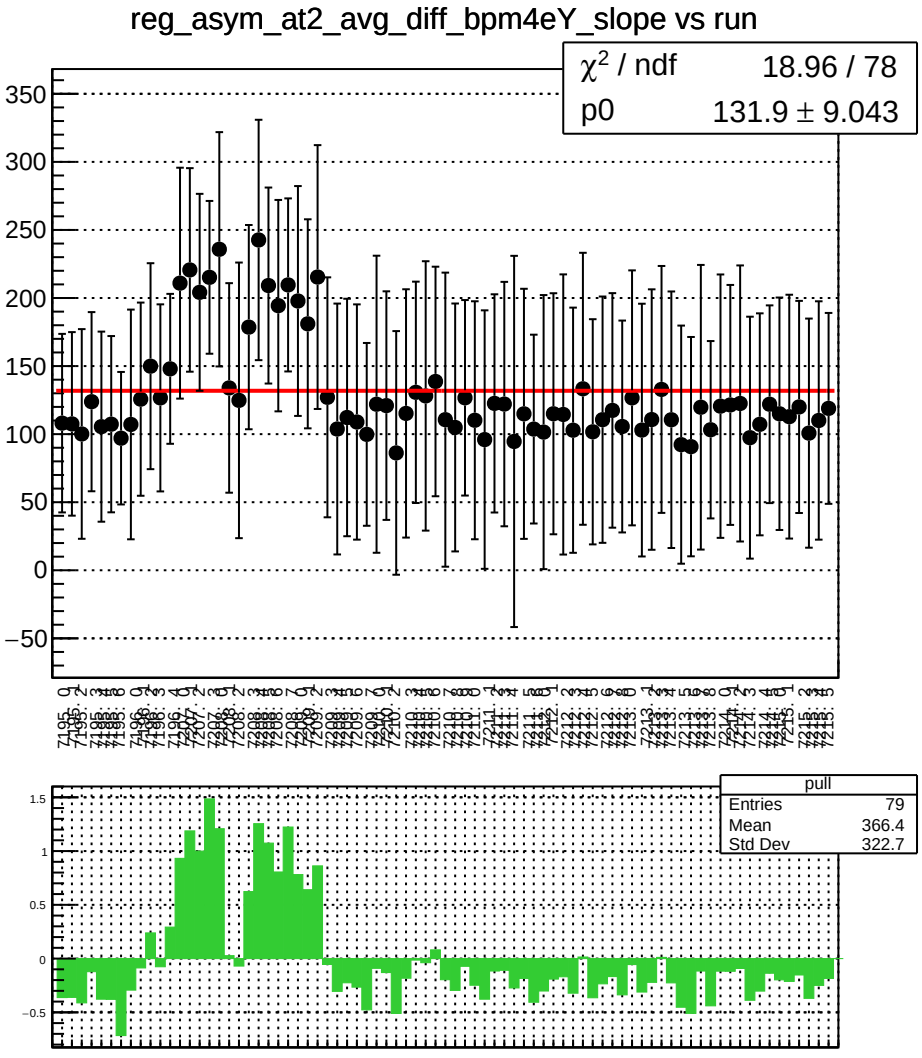

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 61.79 / 78
p0 −418.8 ± 10.69
pull
Entries 79
Mean 81.89
Std Dev 22.07

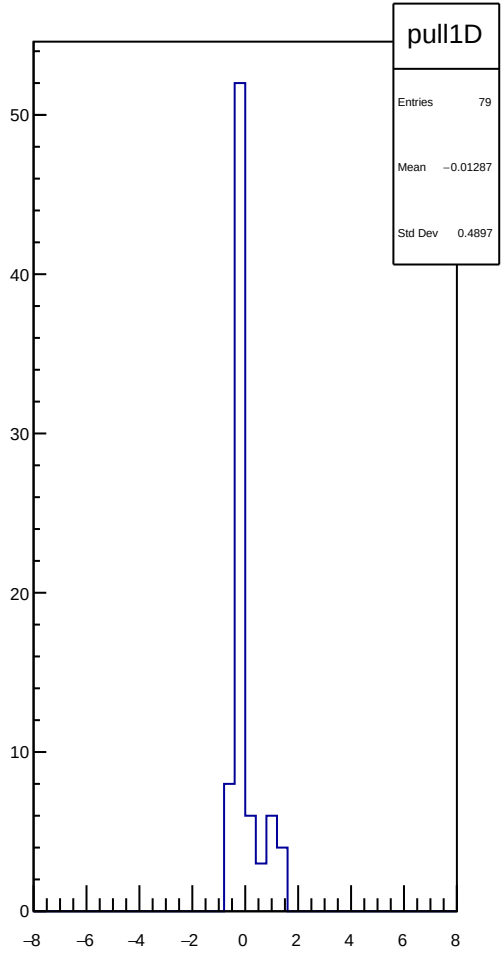

pull1D
Entries 79
Mean −0.08375
Std Dev 0.8805

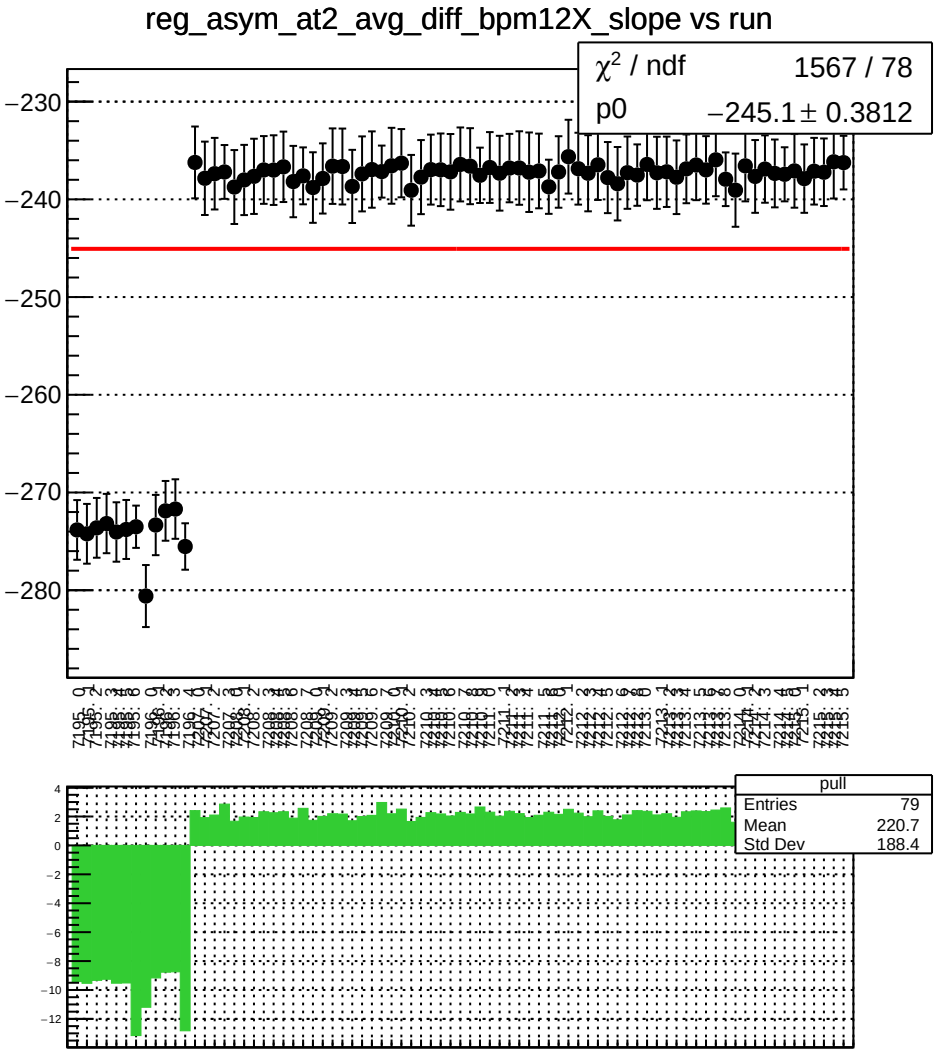

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 16.79 / 78
p0 −0.6829 ± 8.137
pull
Entries 79
Mean 1676
Std Dev 1630
pull1D
Entries 79
Mean 0.001836
Std Dev 0.461

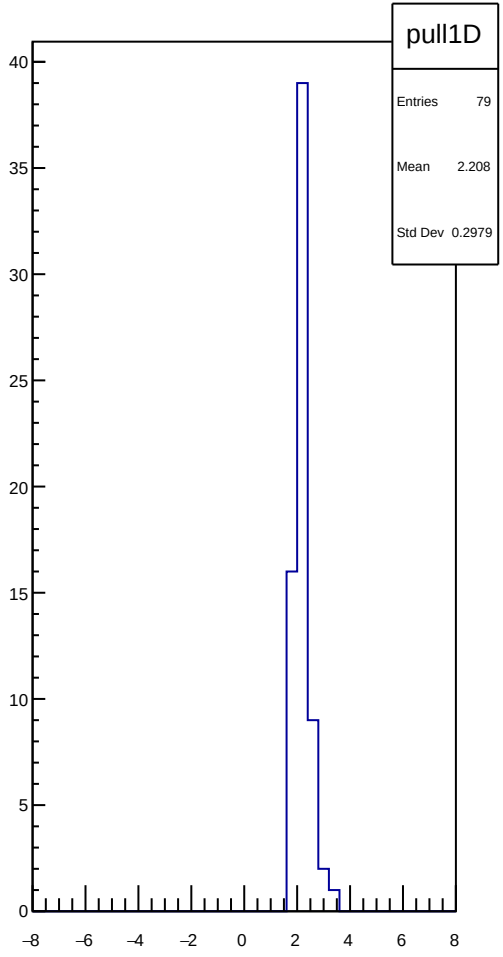

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 61.73 / 78
p0 438.3 ± 10.75
700
600
500
400
300
200
pull
Entries 79
Mean 83.98
Std Dev 28.09
1
0
−1
−2
−3

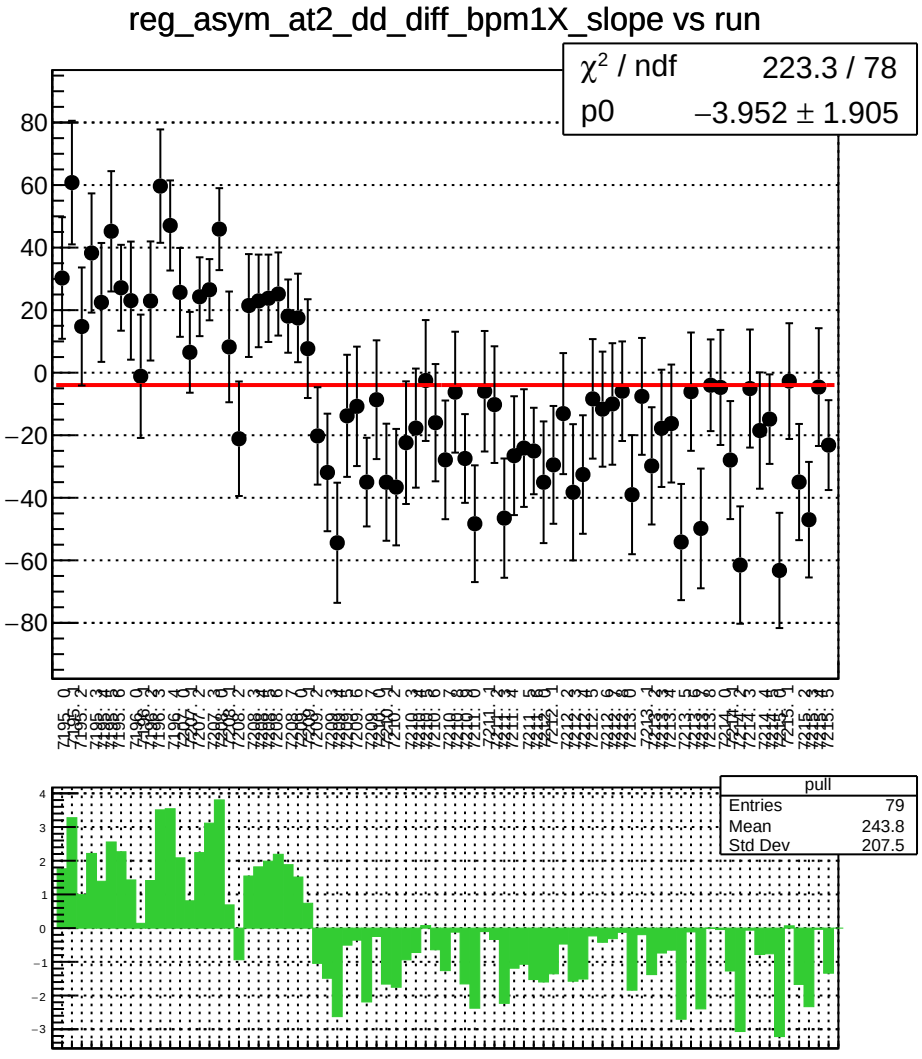

pull1D
Entries 79
Mean 0.0886
Std Dev 0.8795
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

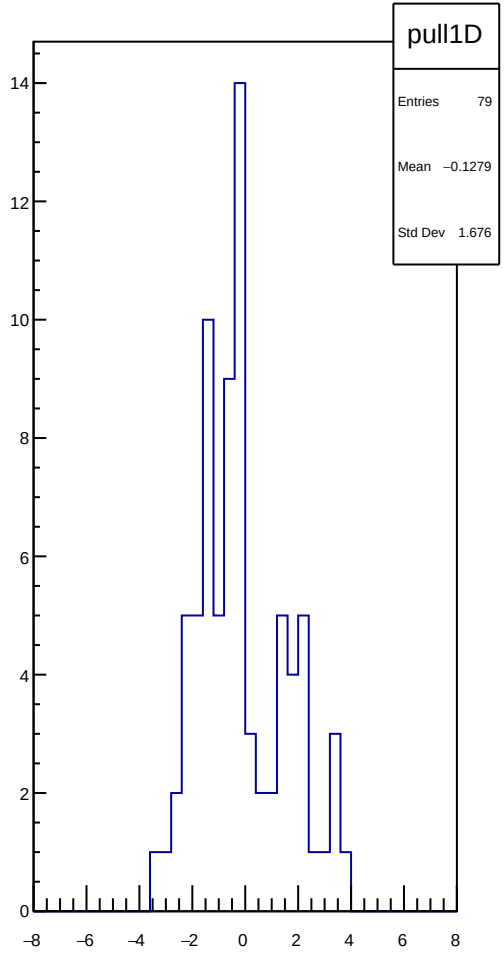

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 18.96 / 78
p0 131.9 ± 9.043
pull
Entries 79
Mean 366.4
Std Dev 322.7

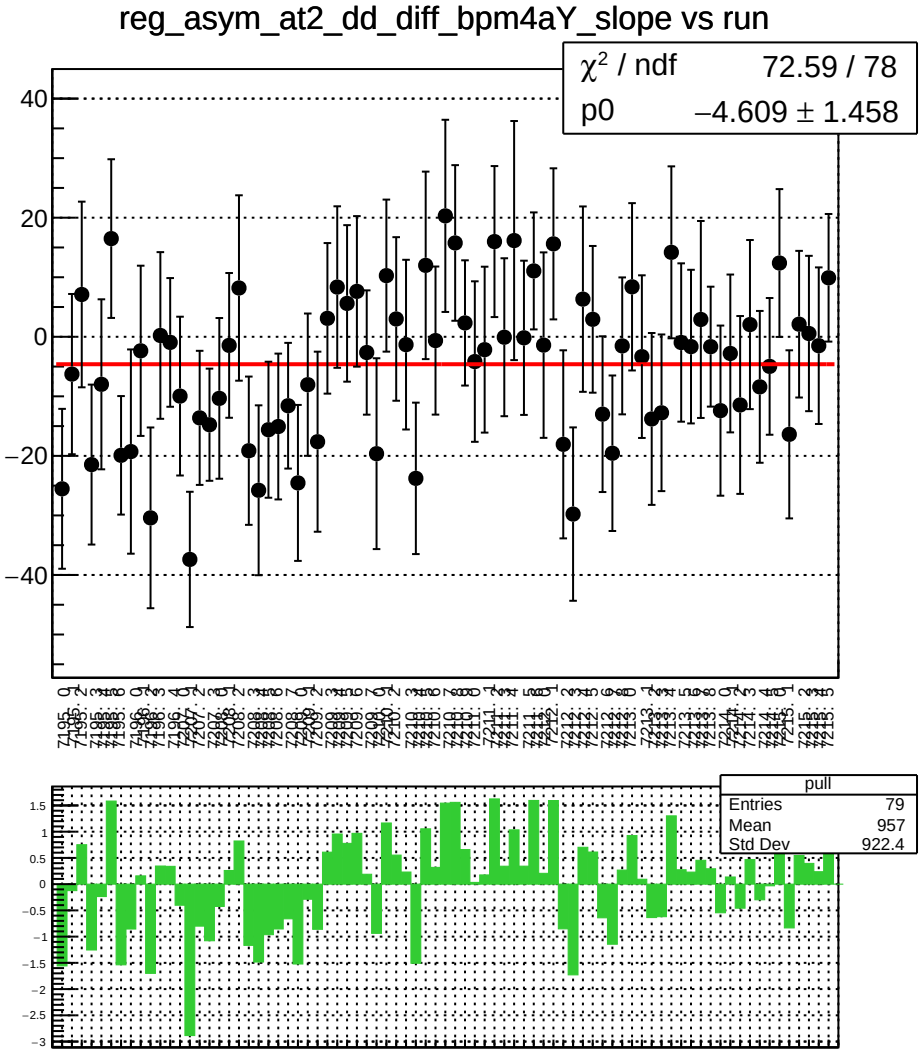

pull1D
Entries 79
Mean −0.01287
Std Dev 0.4897

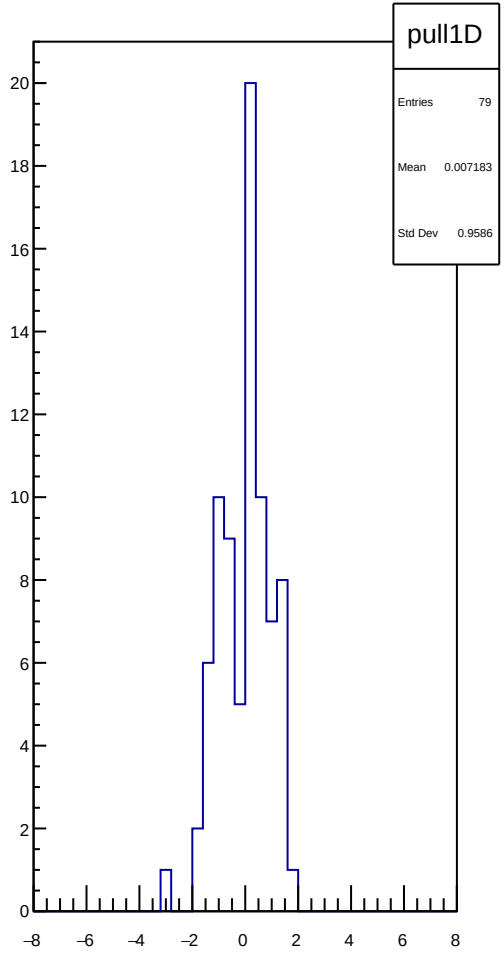

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1567 / 78
p0 −245.1 ± 0.3812
pull
Entries 79
Mean 220.7
Std Dev 188.4

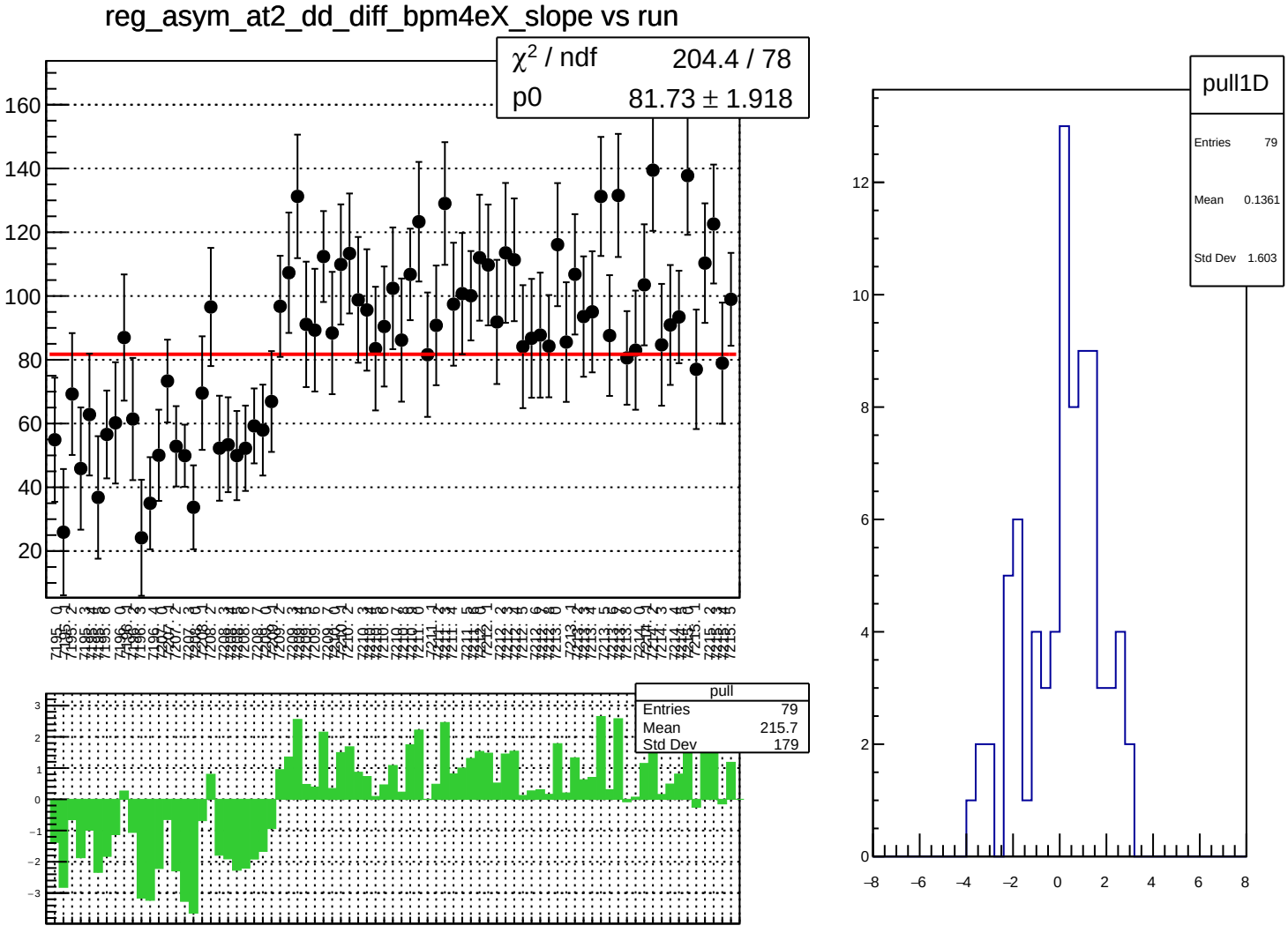

pull1D
Entries 79
Mean 2.208
Std Dev 0.2979

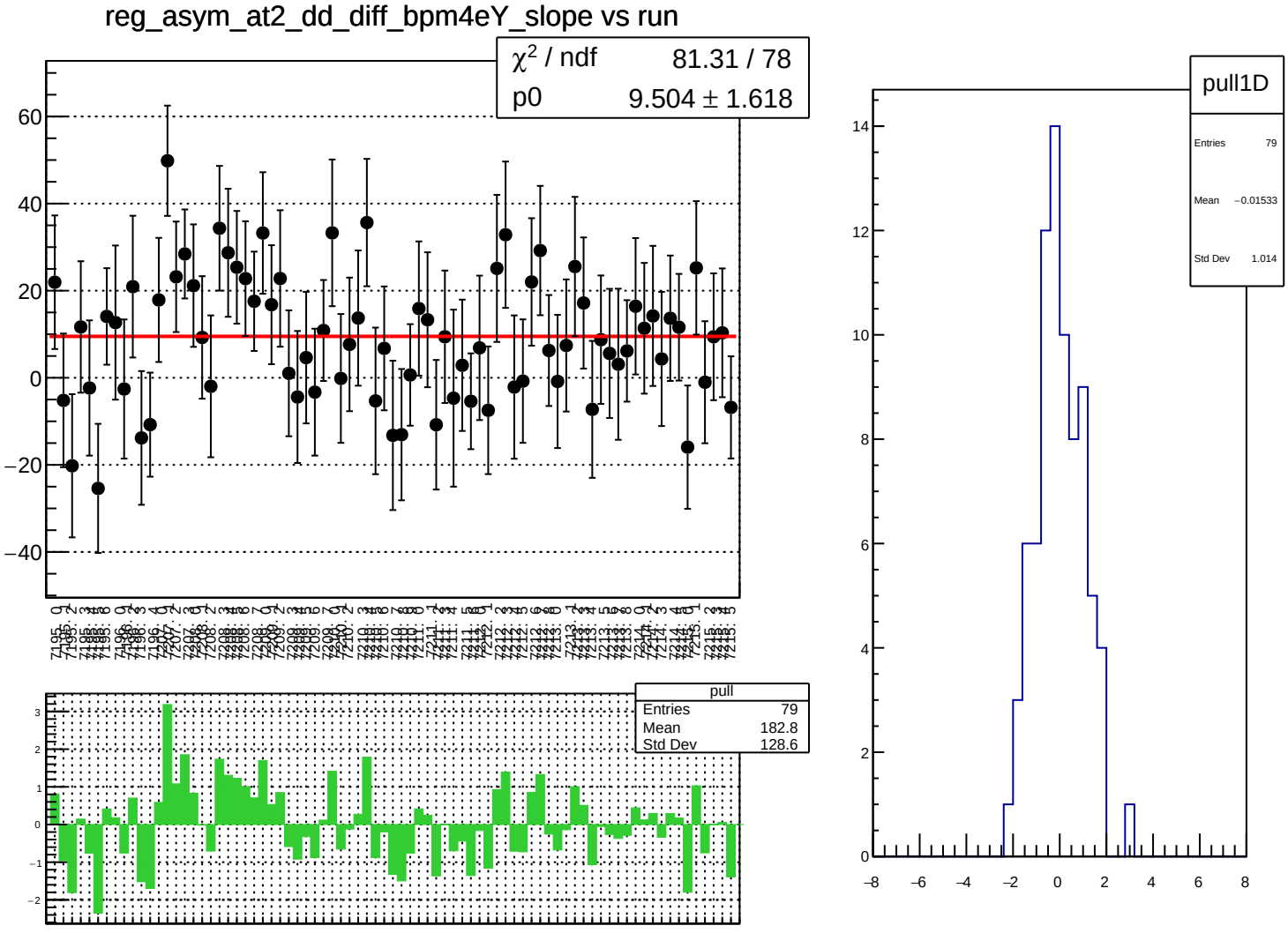

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 223.3 / 78
p0 −3.952 ± 1.905
pull
Entries 79
Mean 243.8
Std Dev 207.5

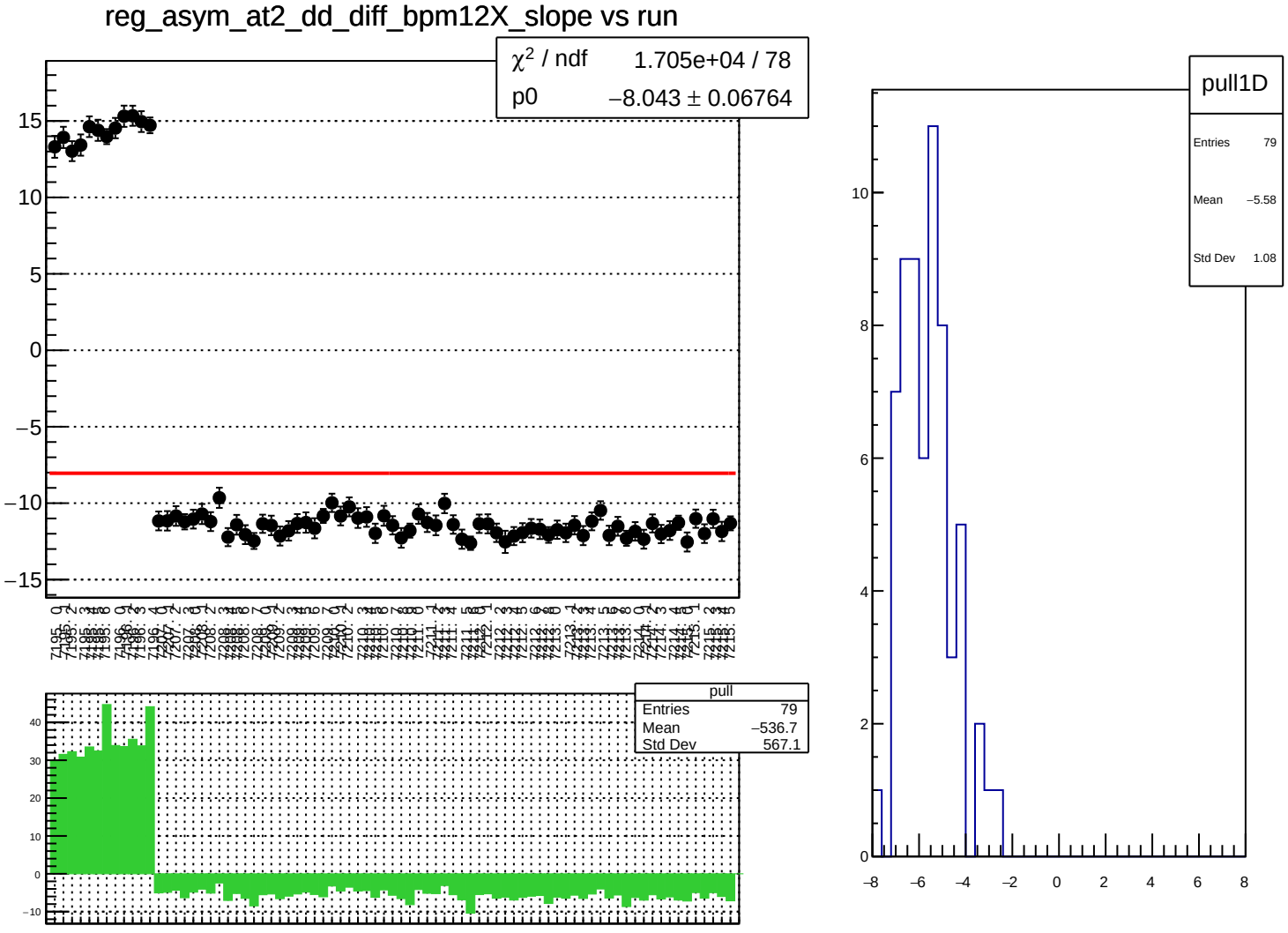

pull1D
Entries 79
Mean −0.1279
Std Dev 1.676

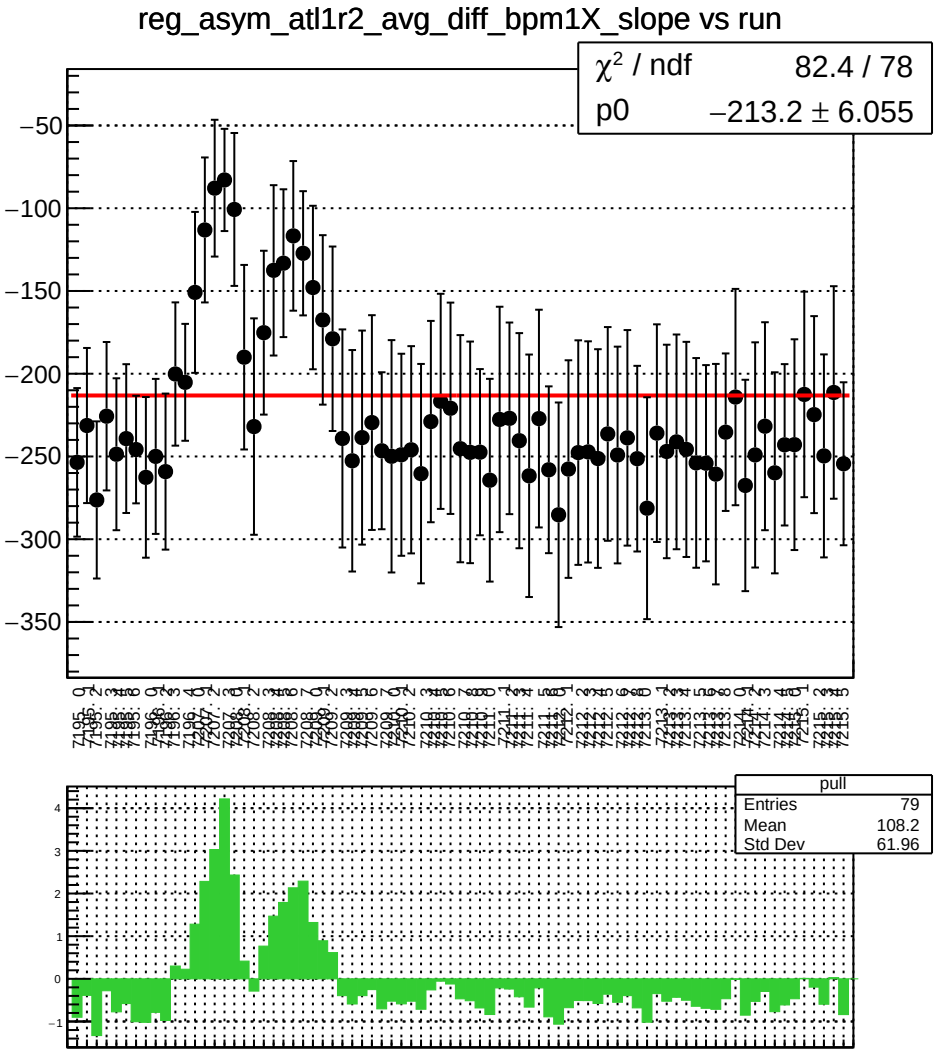

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.59 / 78
p0 −4.609 ± 1.458
pull
Entries 79
Mean 957
Std Dev 922.4

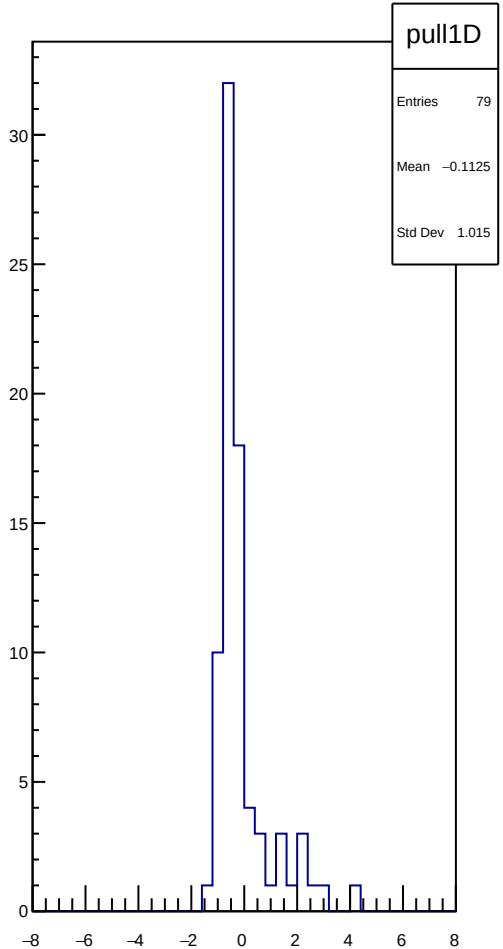

pull1D
Entries 79
Mean 0.007183
Std Dev 0.9586

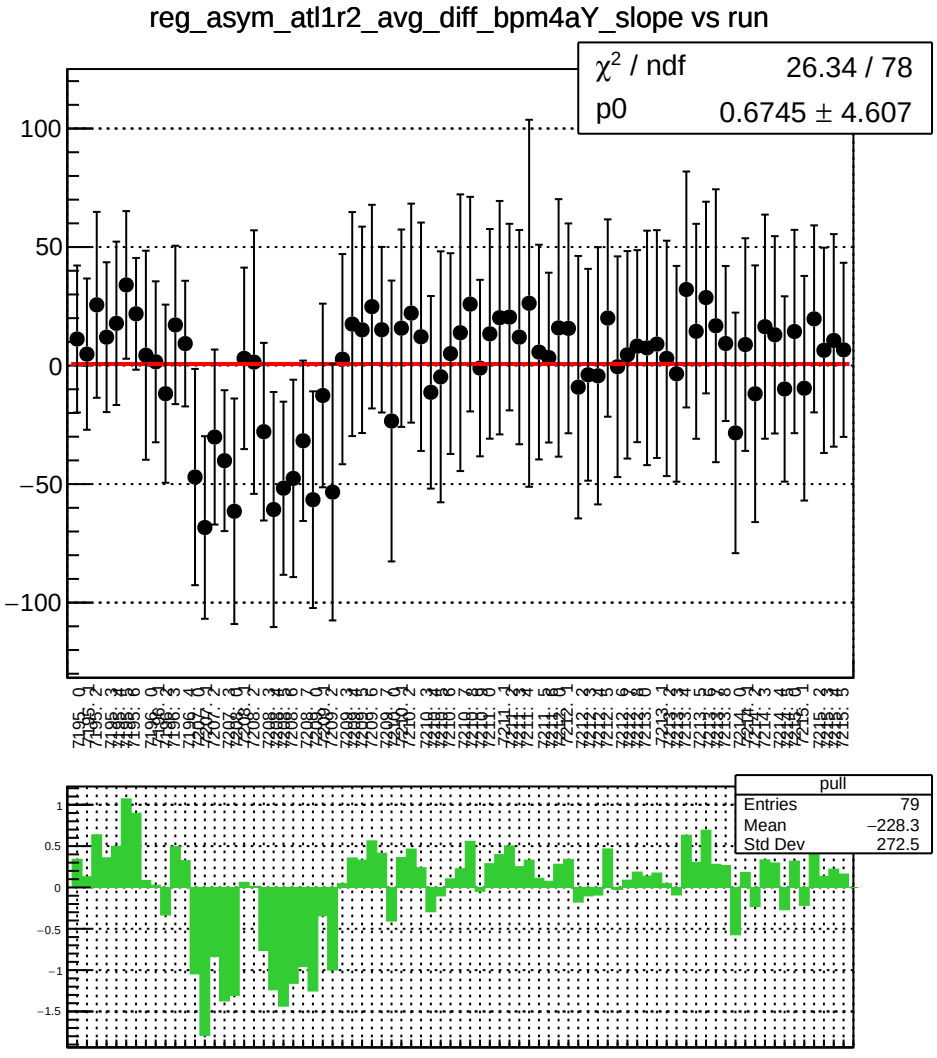

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 204.4 / 78
p0 81.73 ± 1.918
pull
Entries 79
Mean 215.7
Std Dev 179
pull1D
Entries 79
Mean 0.1361
Std Dev 1.603

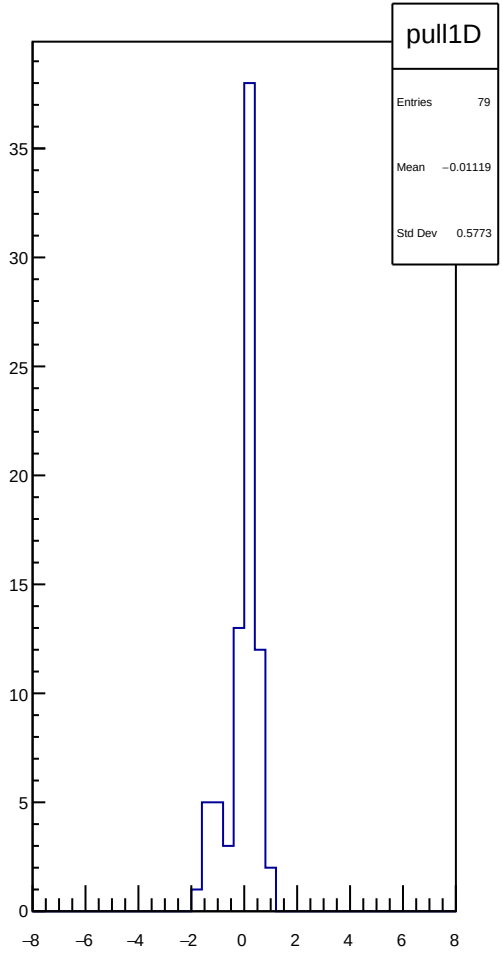

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 81.31 / 78
p0 9.504 ± 1.618
pull
Entries 79
Mean 182.8
Std Dev 128.6
pull1D
Entries 79
Mean −0.01533
Std Dev 1.014

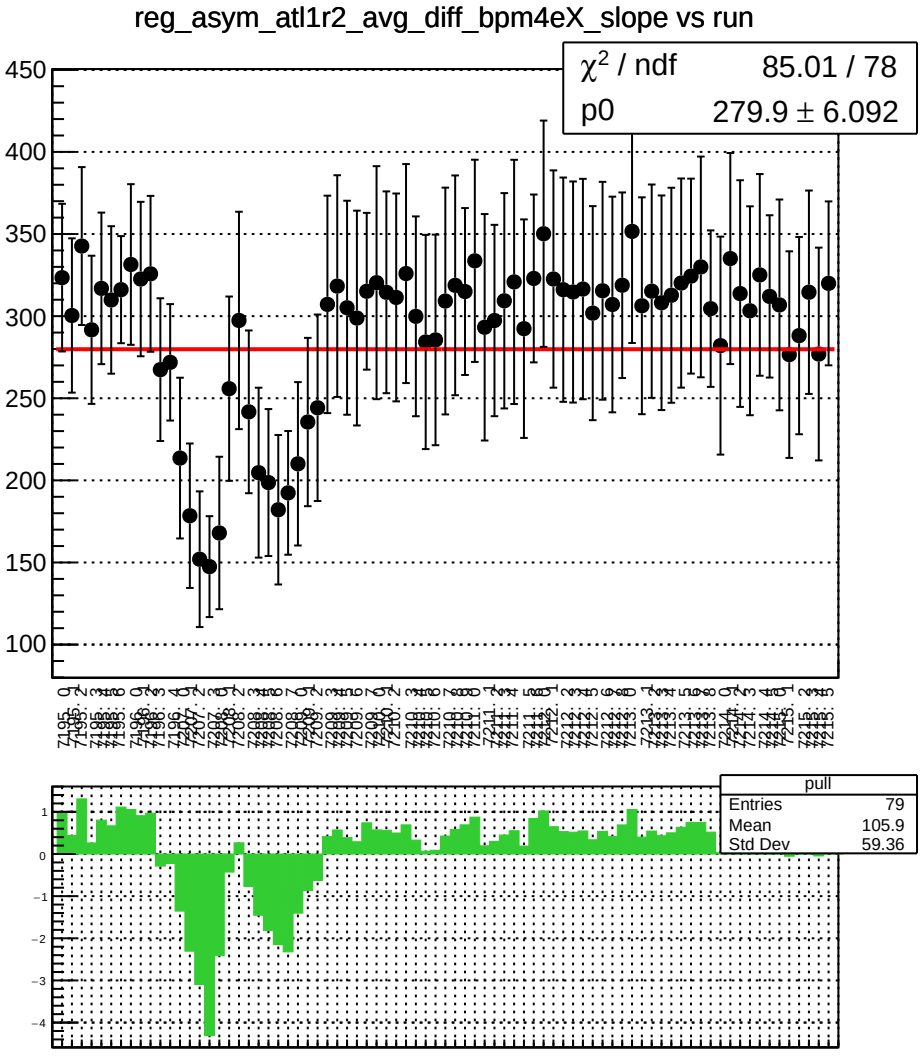

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 1.705e+04 / 78
p0 −8.043 ± 0.06764
pull
Entries 79
Mean −536.7
Std Dev 567.1
pull1D
Entries 79
Mean −5.58
Std Dev 1.08

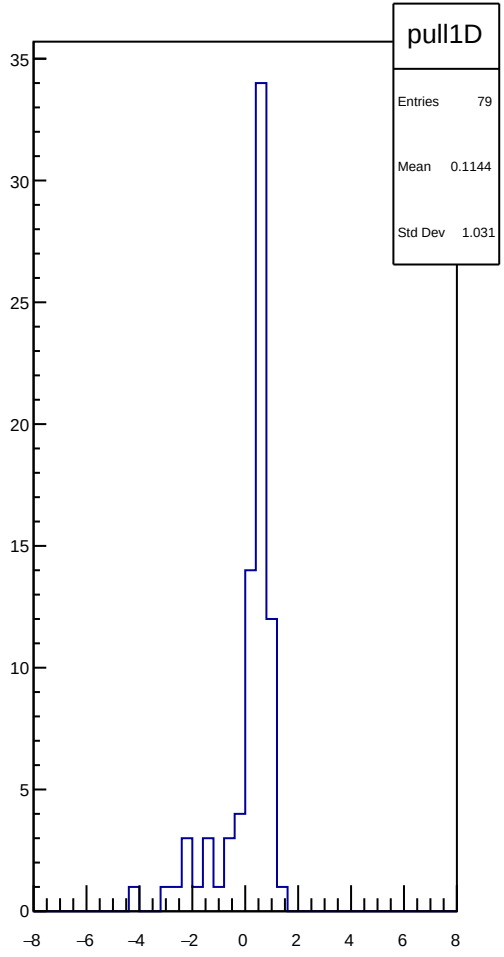

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 82.4 / 78
p0 −213.2 ± 6.055
pull
Entries 79
Mean 108.2
Std Dev 61.96

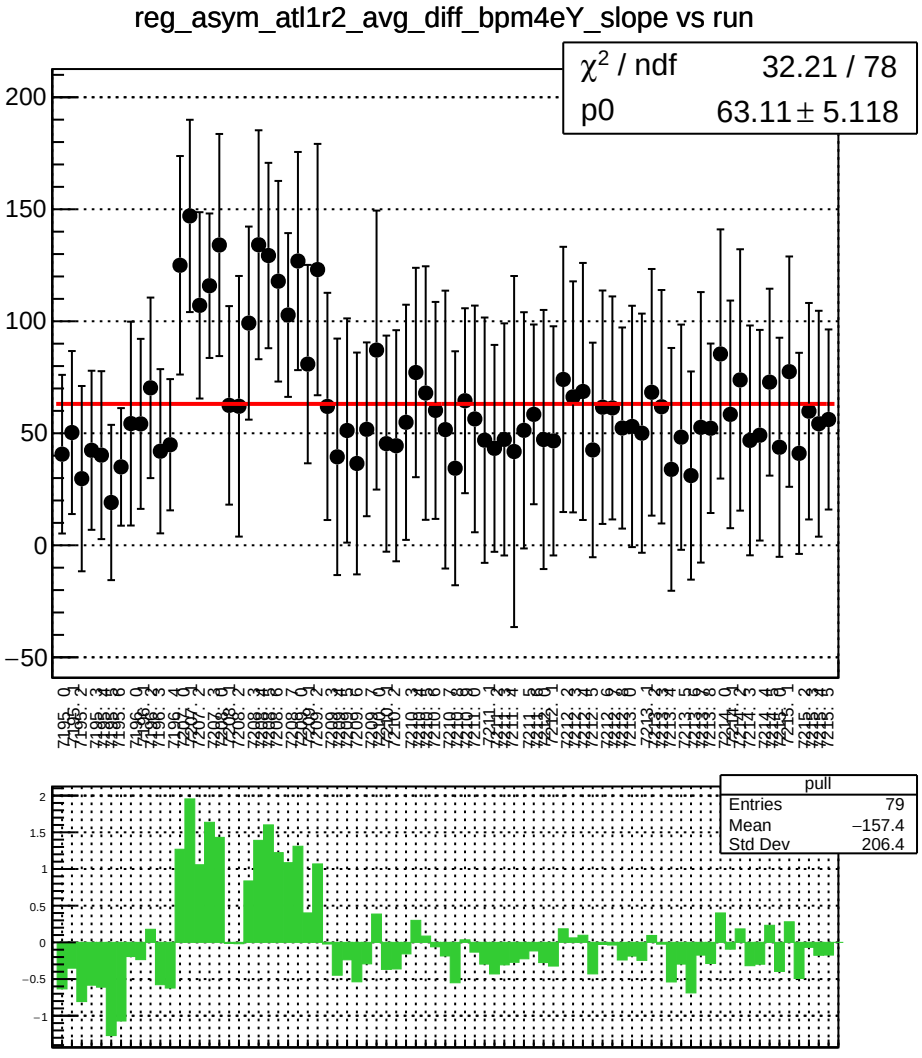

pull1D
Entries 79
Mean −0.1125
Std Dev 1.015

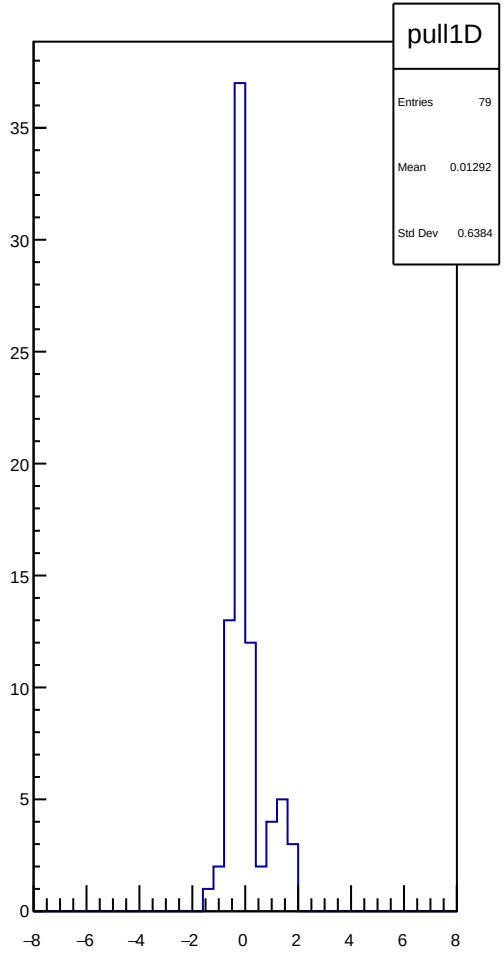

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.34 / 78
p0 0.6745 ± 4.607
pull
Entries 79
Mean −228.3
Std Dev 272.5

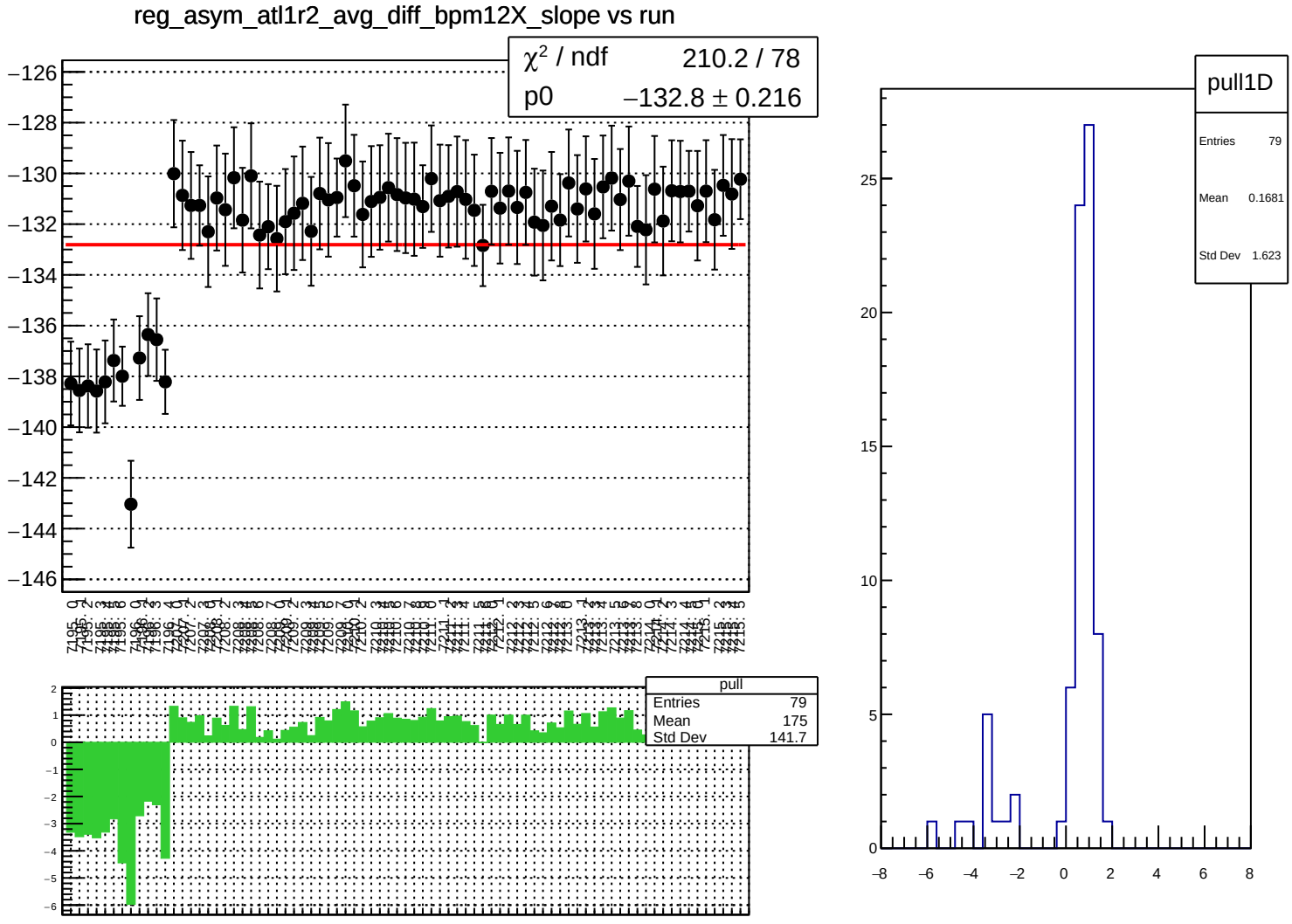

pull1D
Entries 79
Mean −0.01119
Std Dev 0.5773

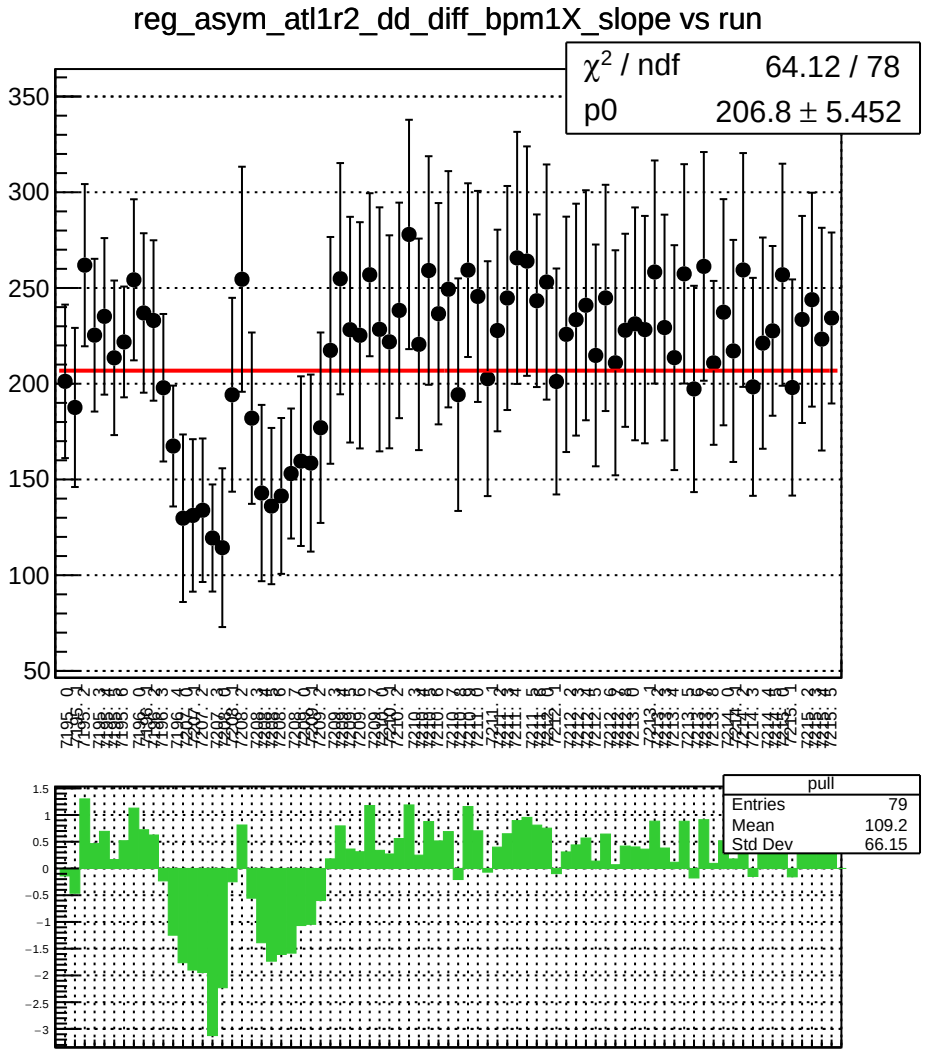

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 85.01 / 78
p0 279.9 ± 6.092
pull
Entries 79
Mean 105.9
Std Dev 59.36

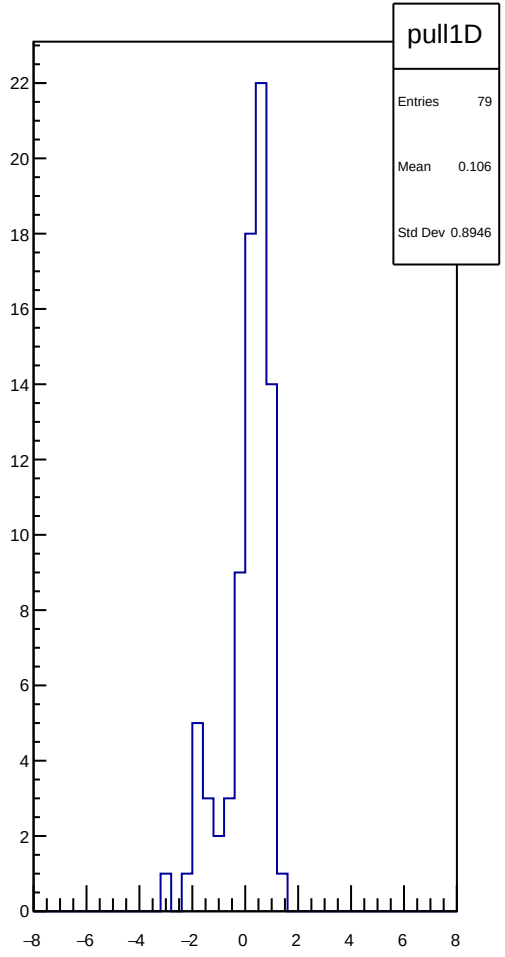

pull1D
Entries 79
Mean 0.1144
Std Dev 1.031

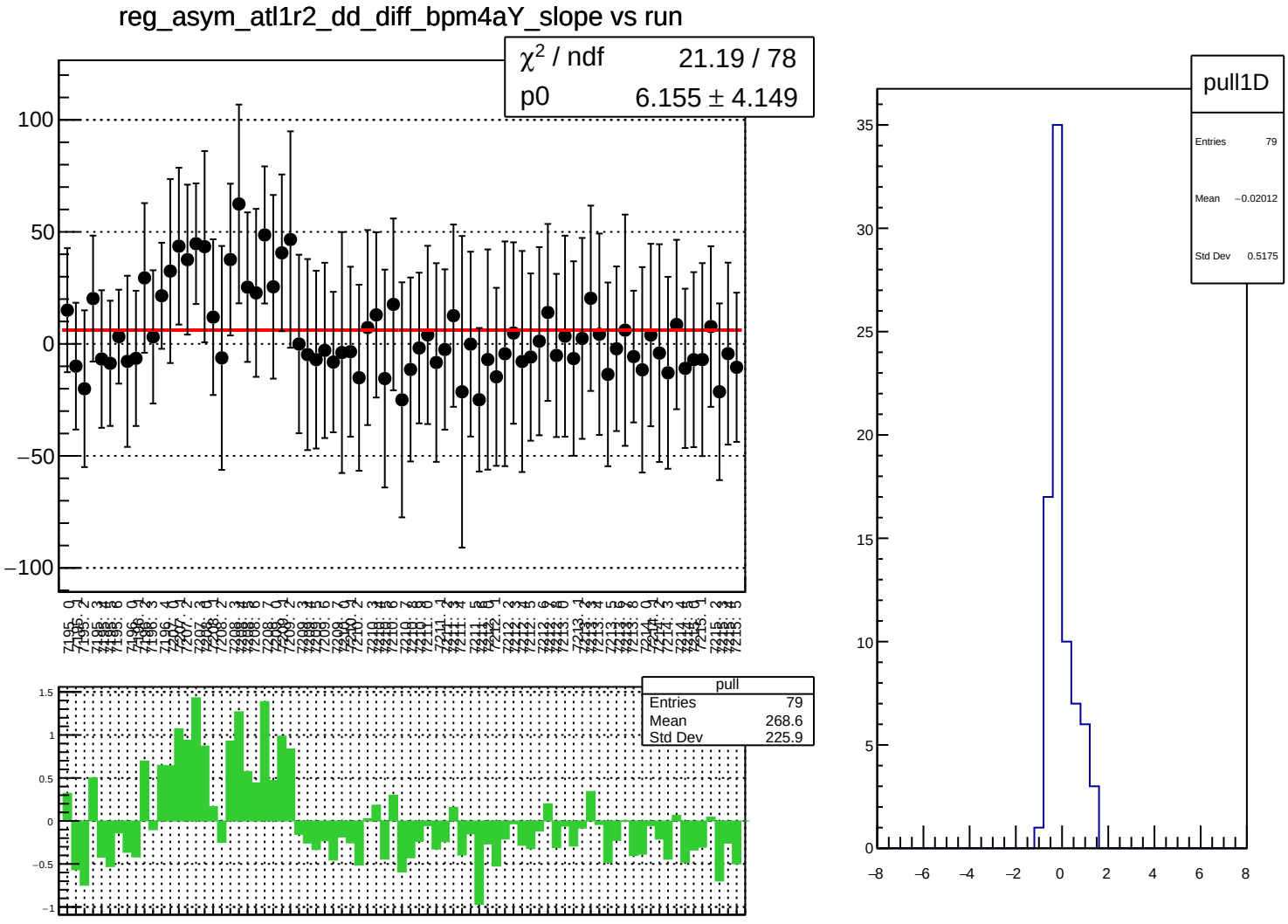

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 32.21 / 78
p0 63.11 ± 5.118
pull
Entries 79
Mean −157.4
Std Dev 206.4

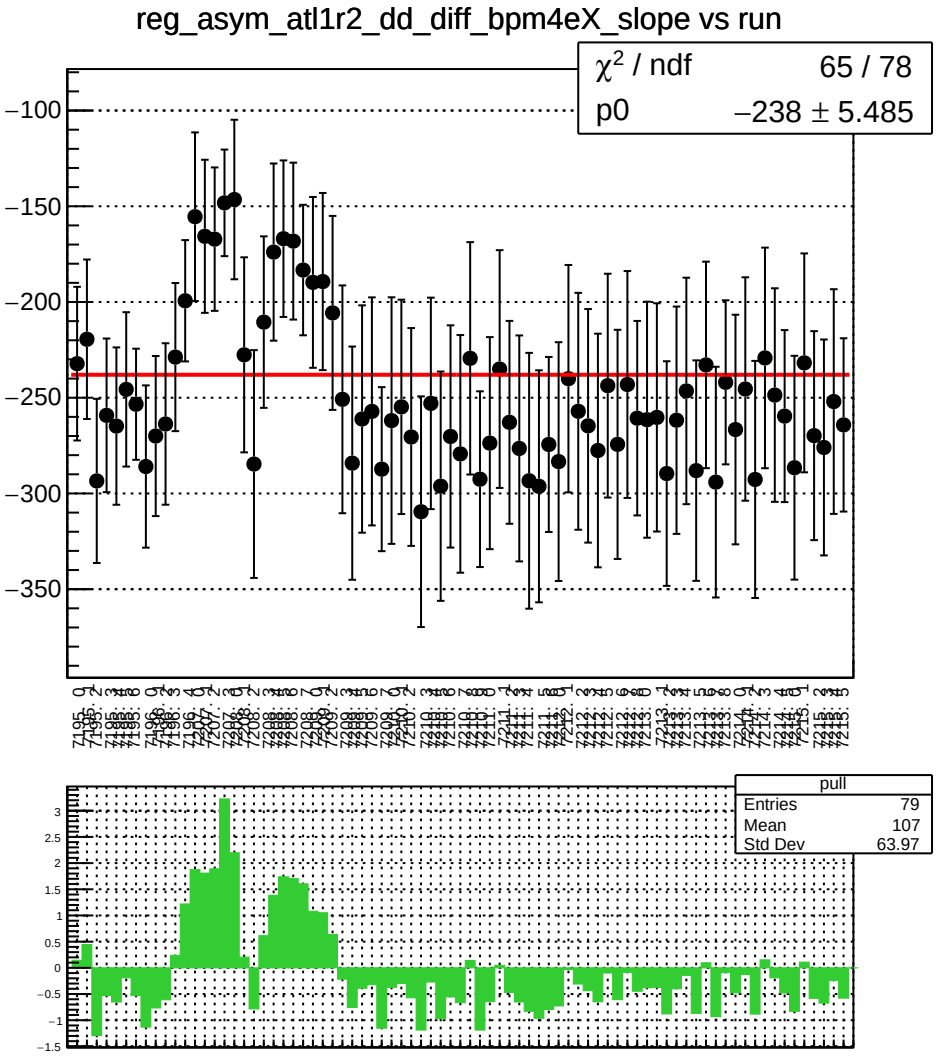

pull1D
Entries 79
Mean 0.01292
Std Dev 0.6384

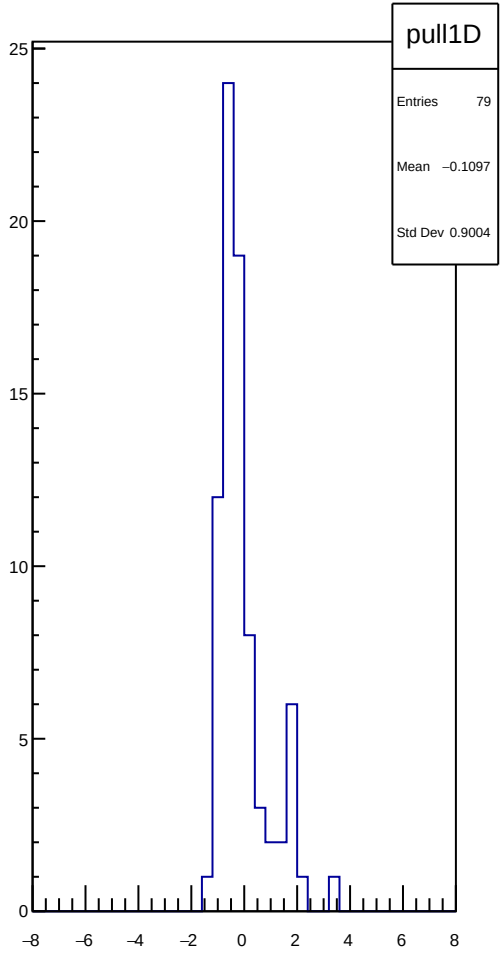

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 210.2 / 78
p0 −132.8 ± 0.216
pull
Entries 79
Mean 175
Std Dev 141.7
pull1D
Entries 79
Mean 0.1681
Std Dev 1.623

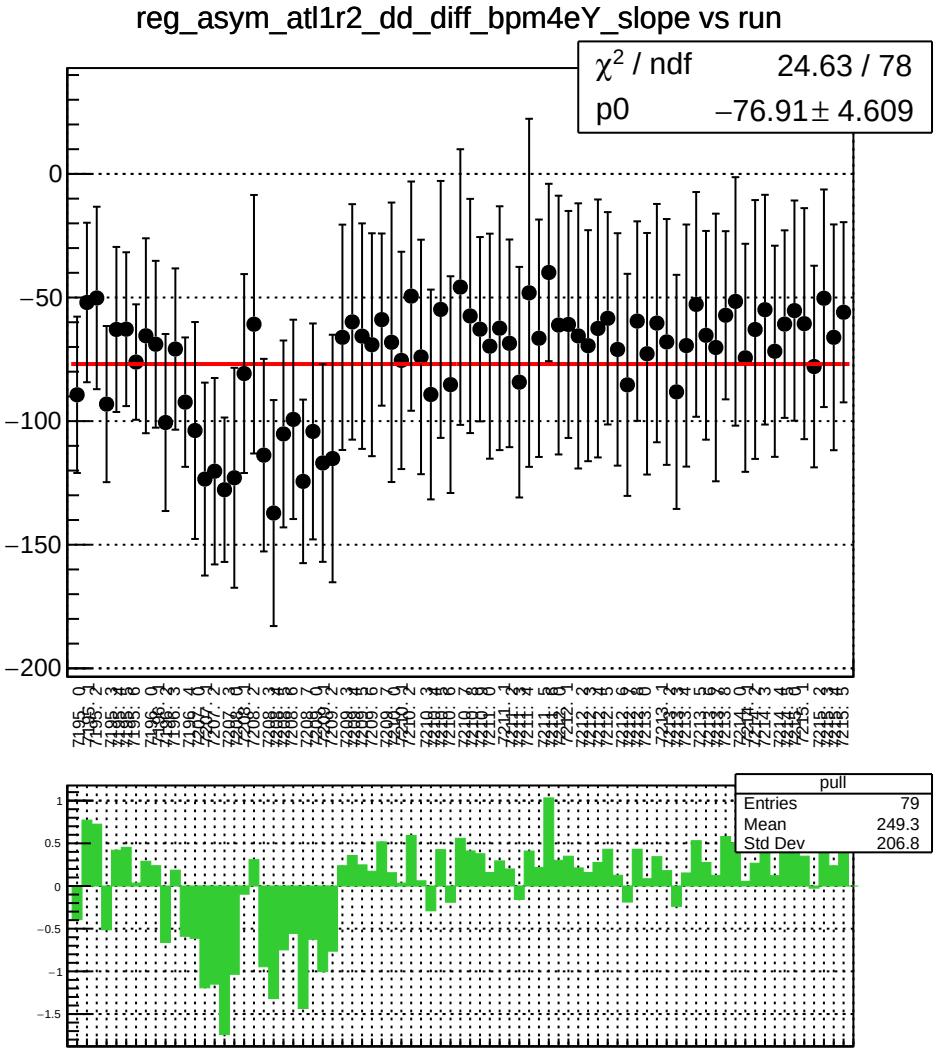

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 64.12 / 78
p0 206.8 ± 5.452
pull
Entries 79
Mean 109.2
Std Dev 66.15

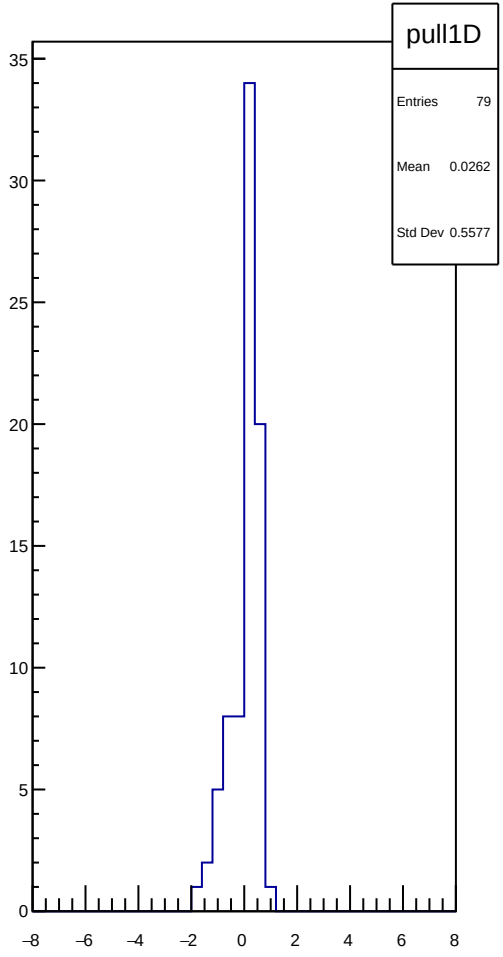

pull1D
Entries 79
Mean 0.106
Std Dev 0.8946

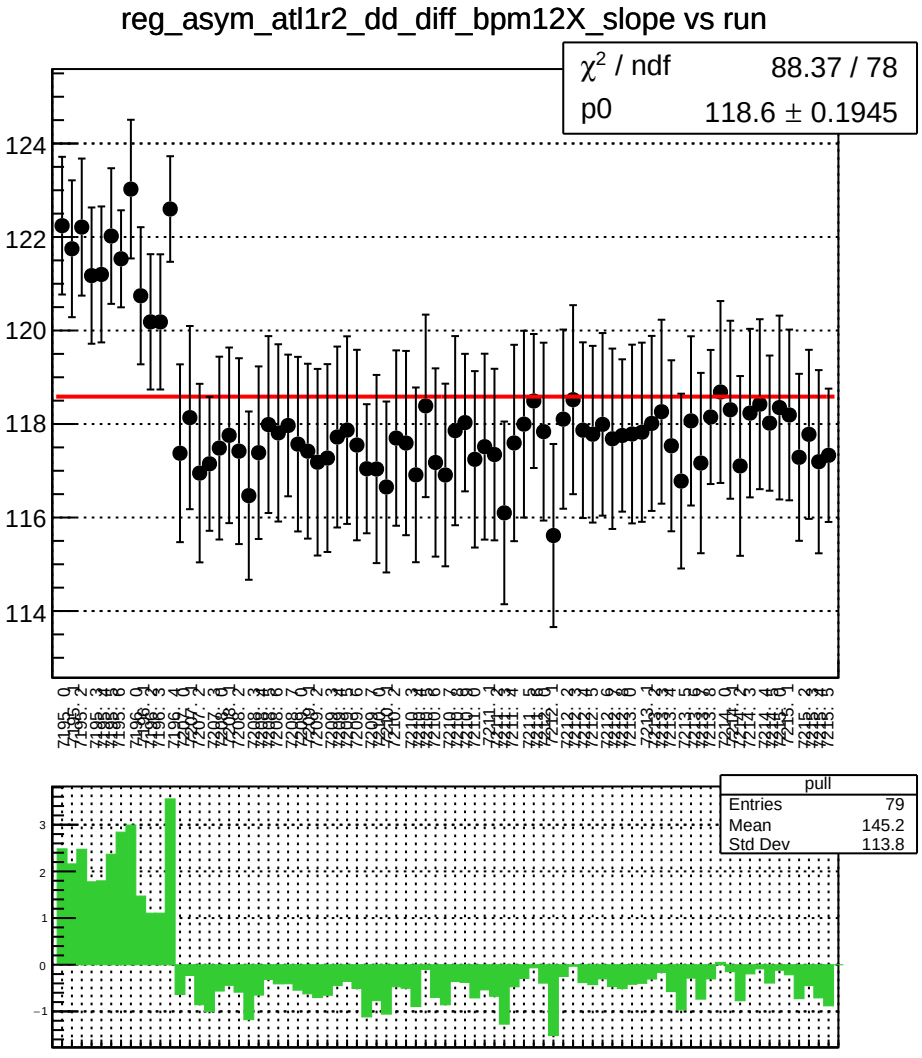

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.19 / 78
p0 6.155 ± 4.149
pull
Entries 79
Mean 268.6
Std Dev 225.9
pull1D
Entries 79
Mean −0.02012
Std Dev 0.5175

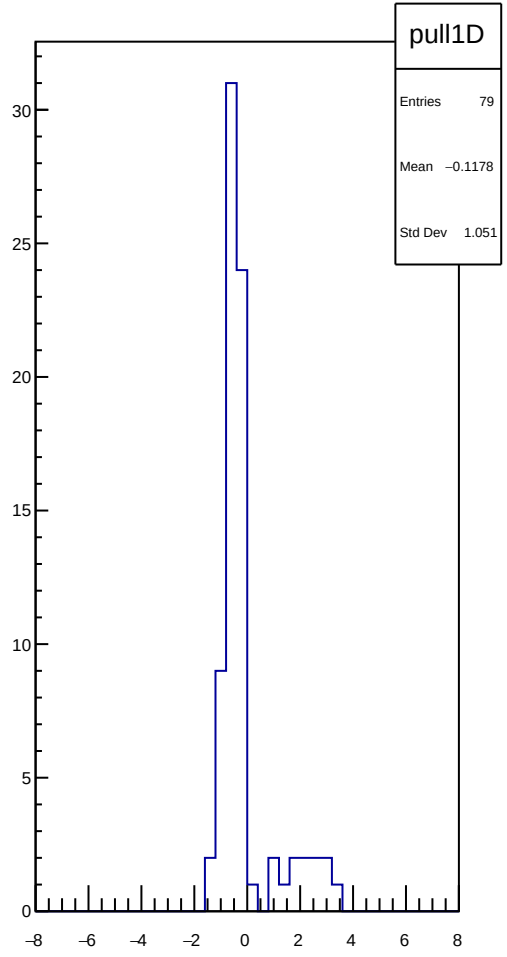

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 65 / 78
p0 −238 ± 5.485
pull
Entries 79
Mean 107
Std Dev 63.97

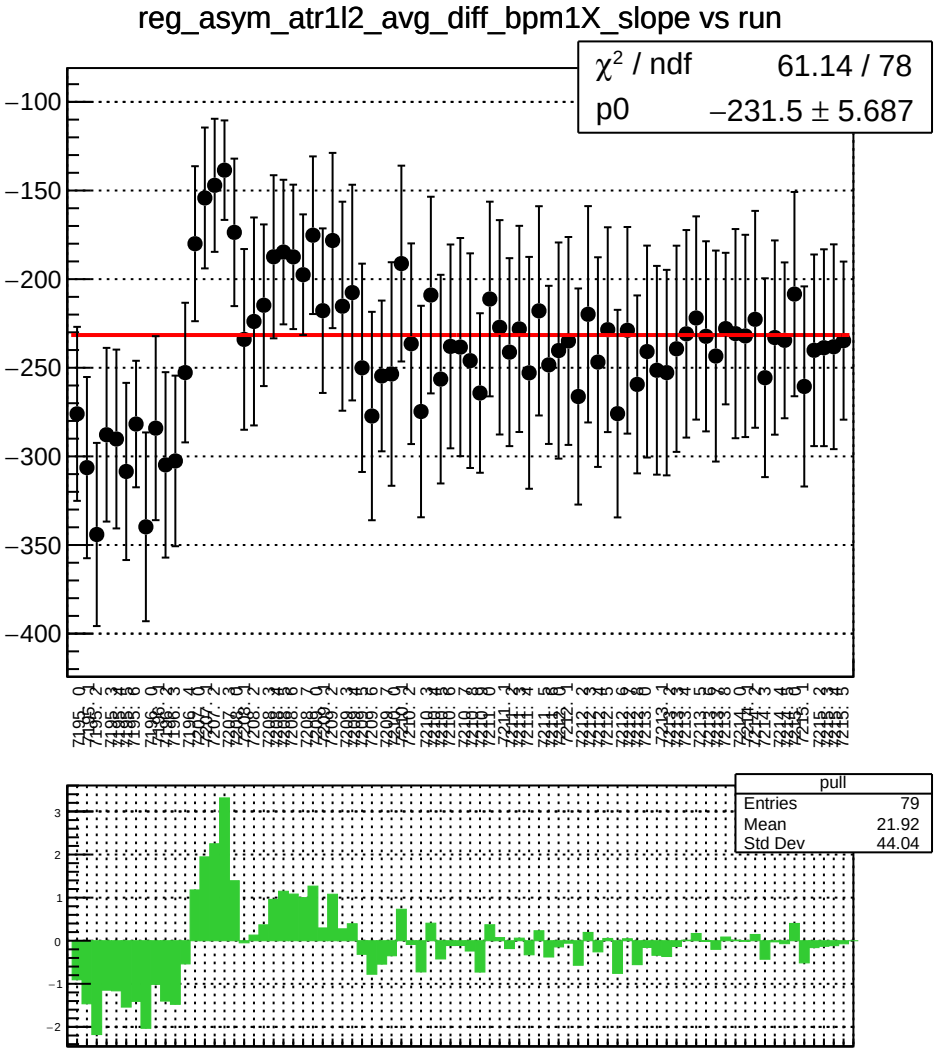

pull1D
Entries 79
Mean −0.1097
Std Dev 0.9004

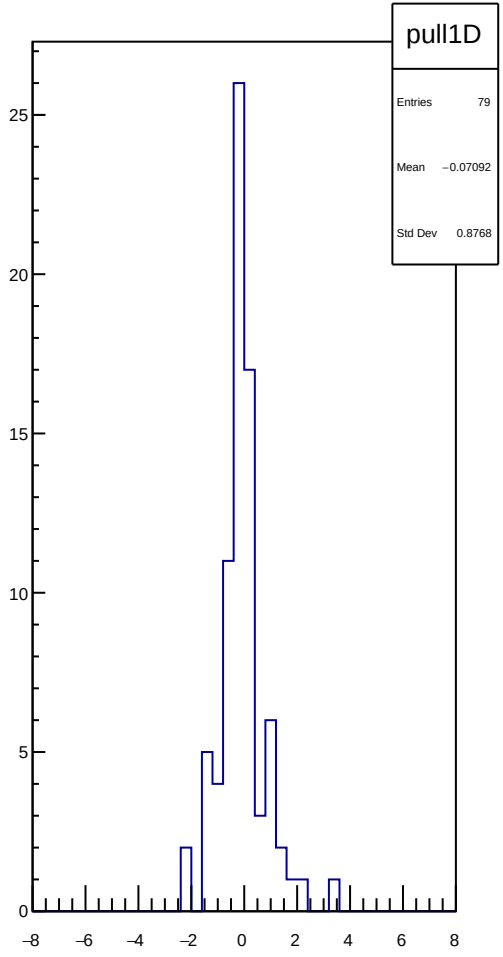

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 24.63 / 78
p0 −76.91 ± 4.609
pull
Entries 79
Mean 249.3
Std Dev 206.8

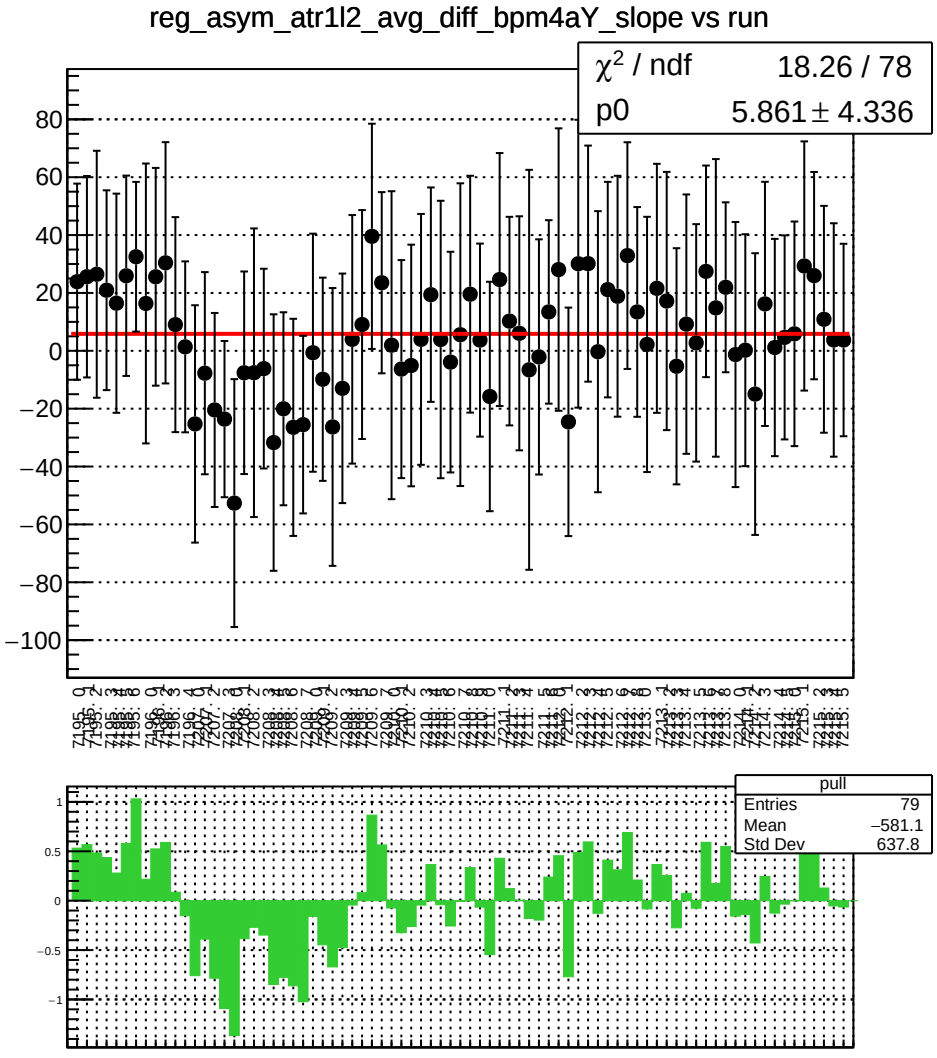

pull1D
Entries 79
Mean 0.0262
Std Dev 0.5577

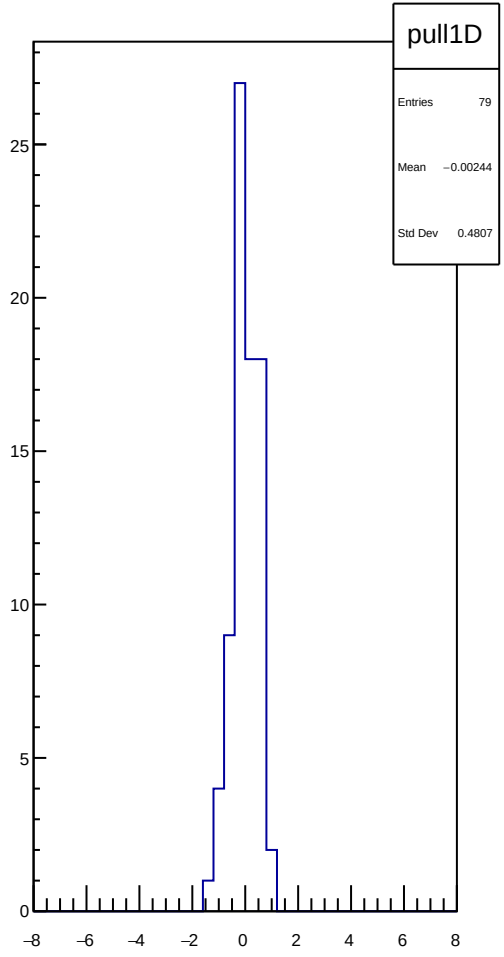

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 88.37 / 78
p0 118.6 ± 0.1945
124
122
120
118
116
114
pull
Entries 79
Mean 145.2
Std Dev 113.8
3
2
1
0
−1

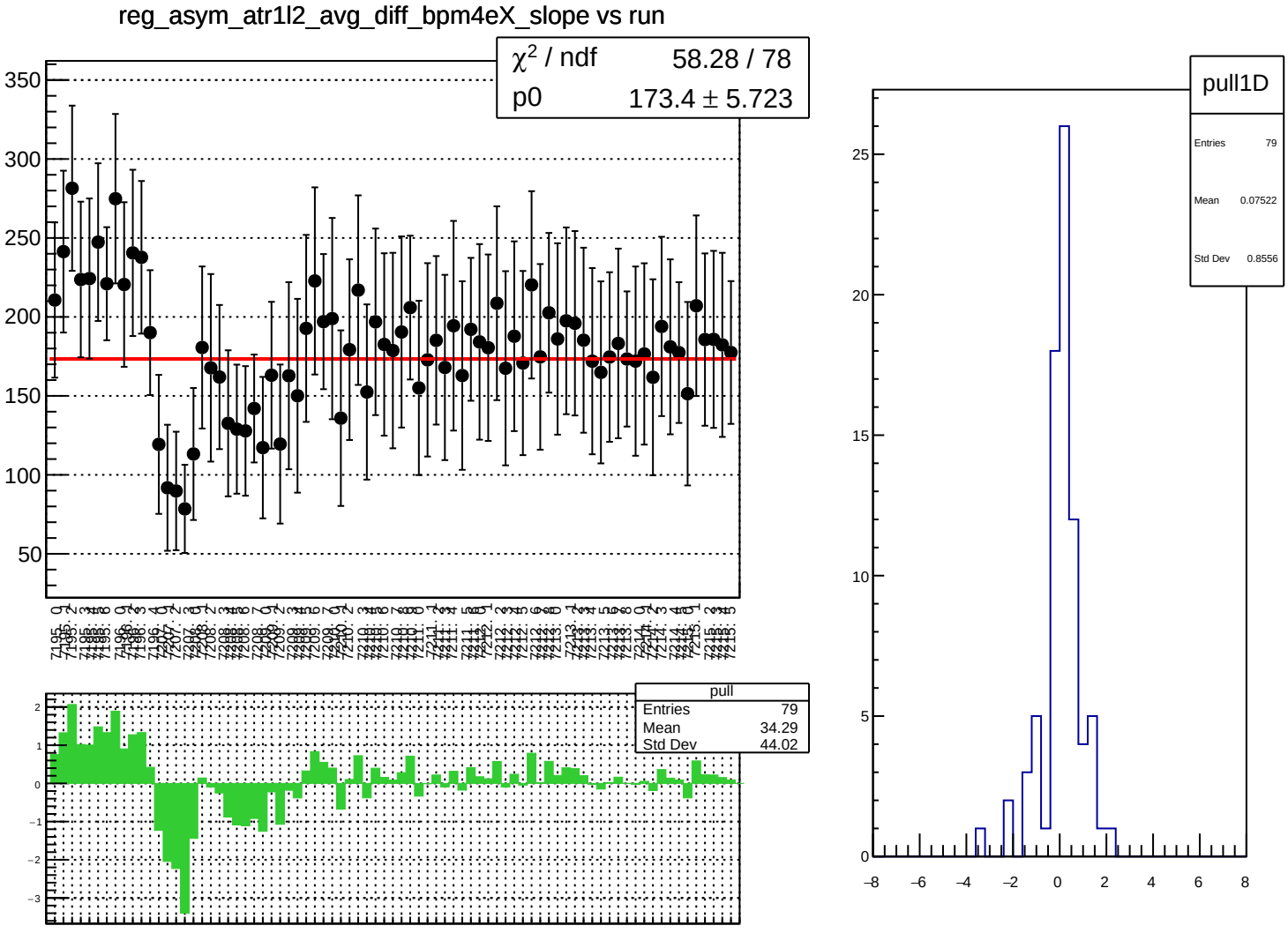

pull1D
Entries 79
Mean −0.1178
Std Dev 1.051
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

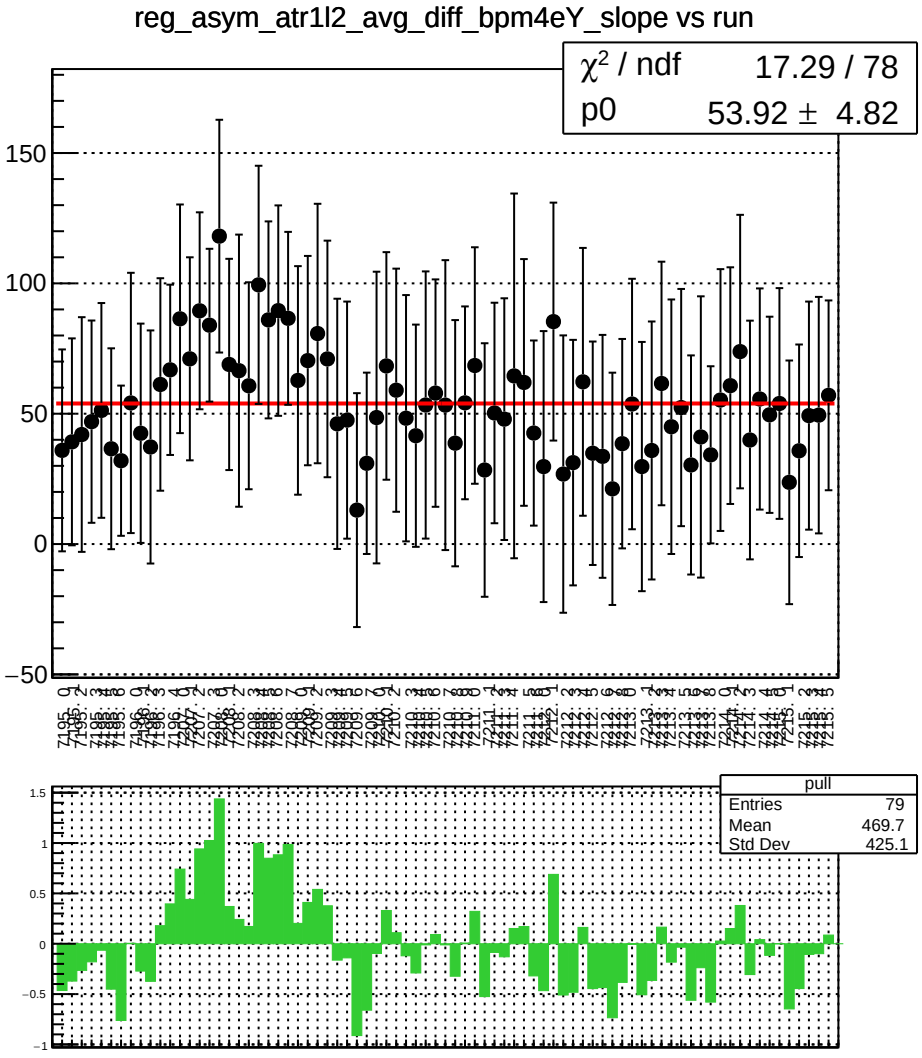

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 61.14 / 78
p0 −231.5 ± 5.687
pull
Entries 79
Mean 21.92
Std Dev 44.04

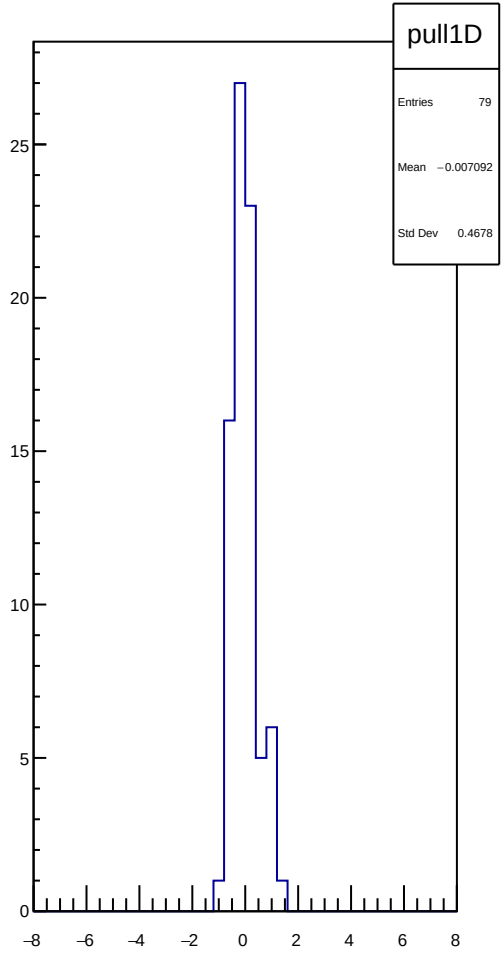

pull1D
Entries 79
Mean −0.07092
Std Dev 0.8768

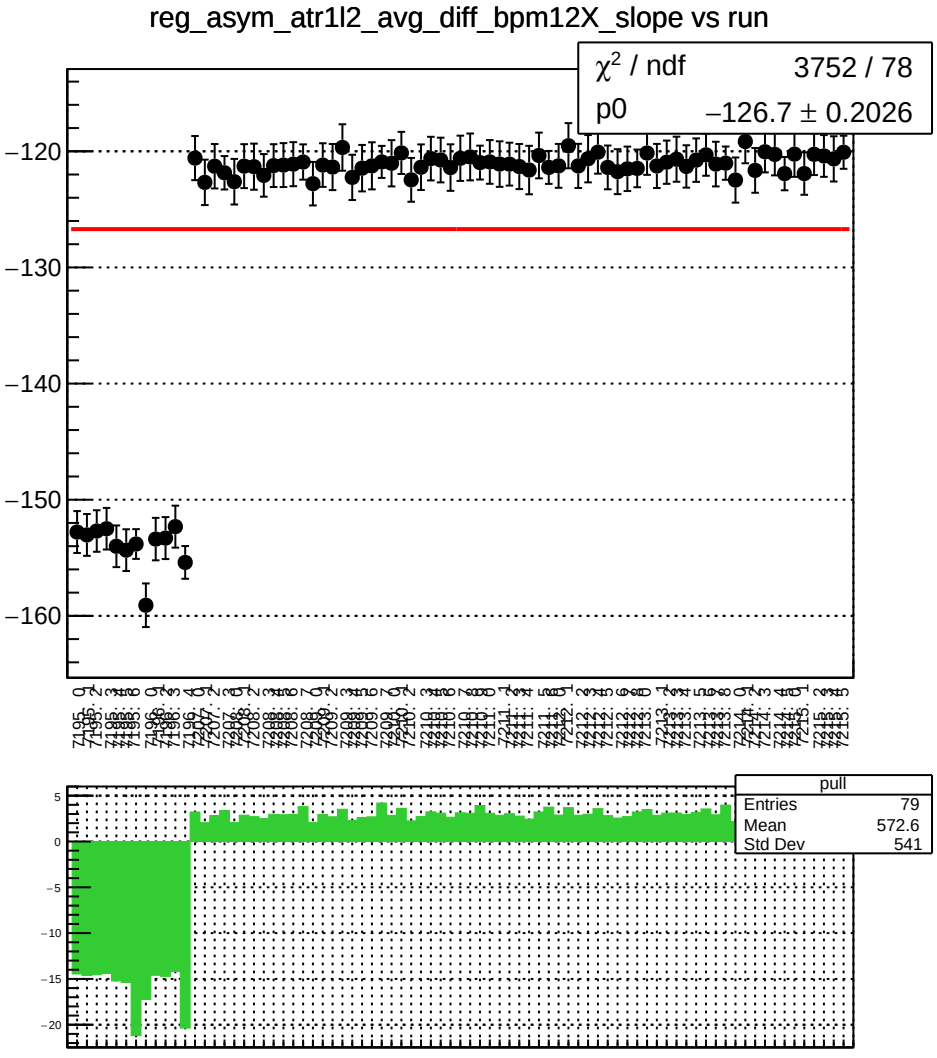

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 18.26 / 78
p0 5.861 ± 4.336
pull
Entries 79
Mean −581.1
Std Dev 637.8

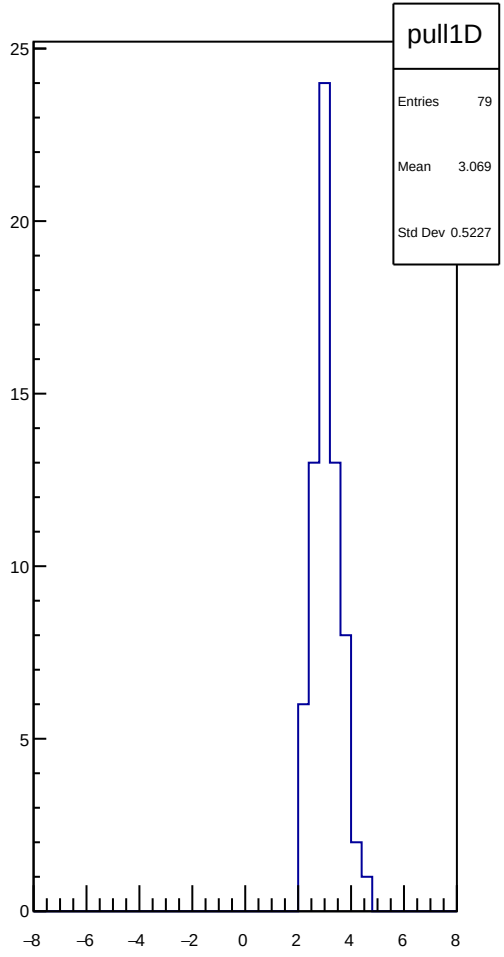

pull1D
Entries 79
Mean −0.00244
Std Dev 0.4807

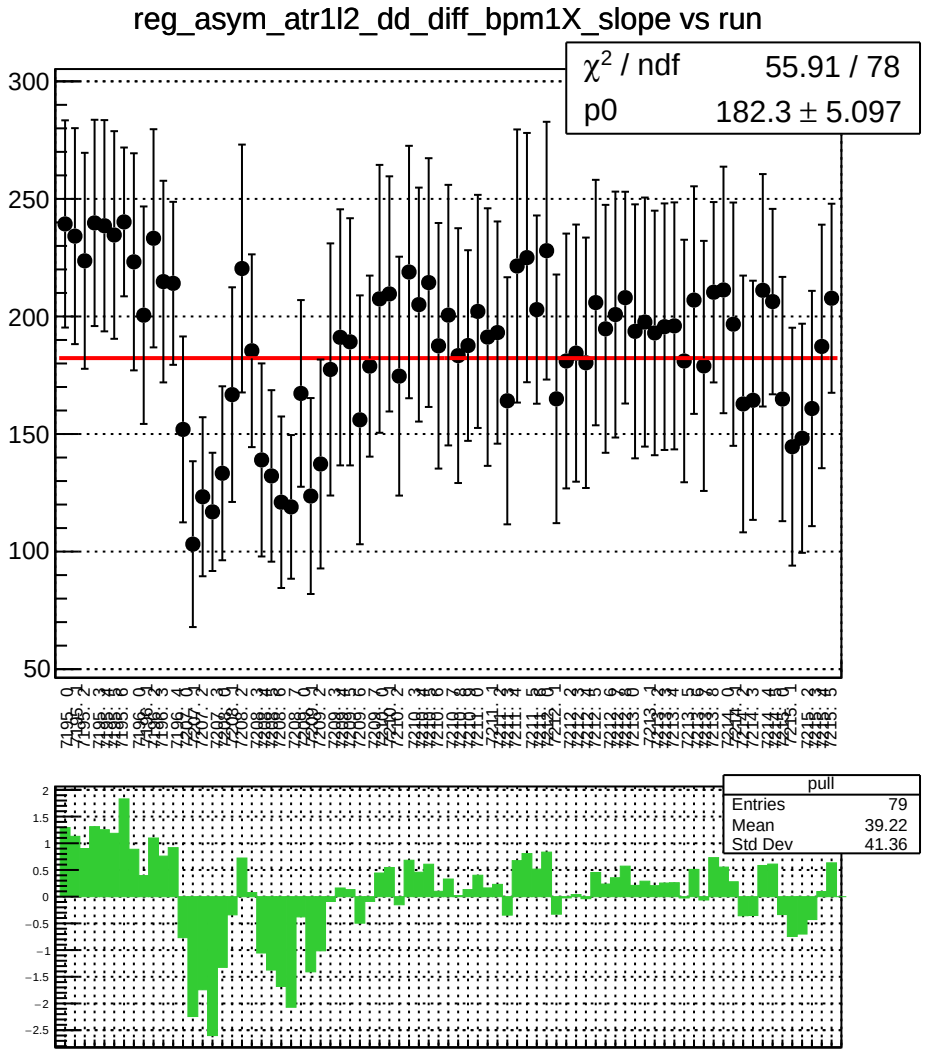

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.28 / 78
p0 173.4 ± 5.723
pull
Entries 79
Mean 34.29
Std Dev 44.02
pull1D
Entries 79
Mean 0.07522
Std Dev 0.8556

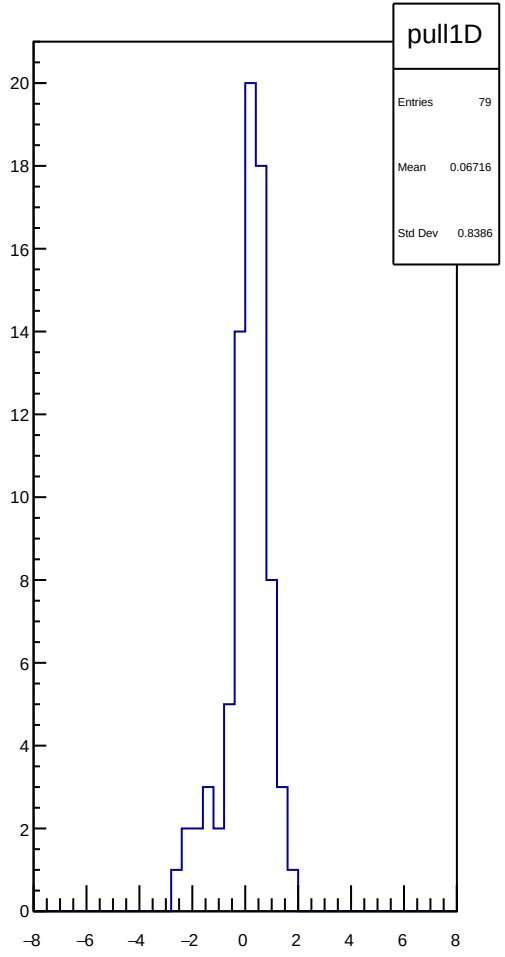

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.29 / 78
p0 53.92 ± 4.82
pull
Entries 79
Mean 469.7
Std Dev 425.1

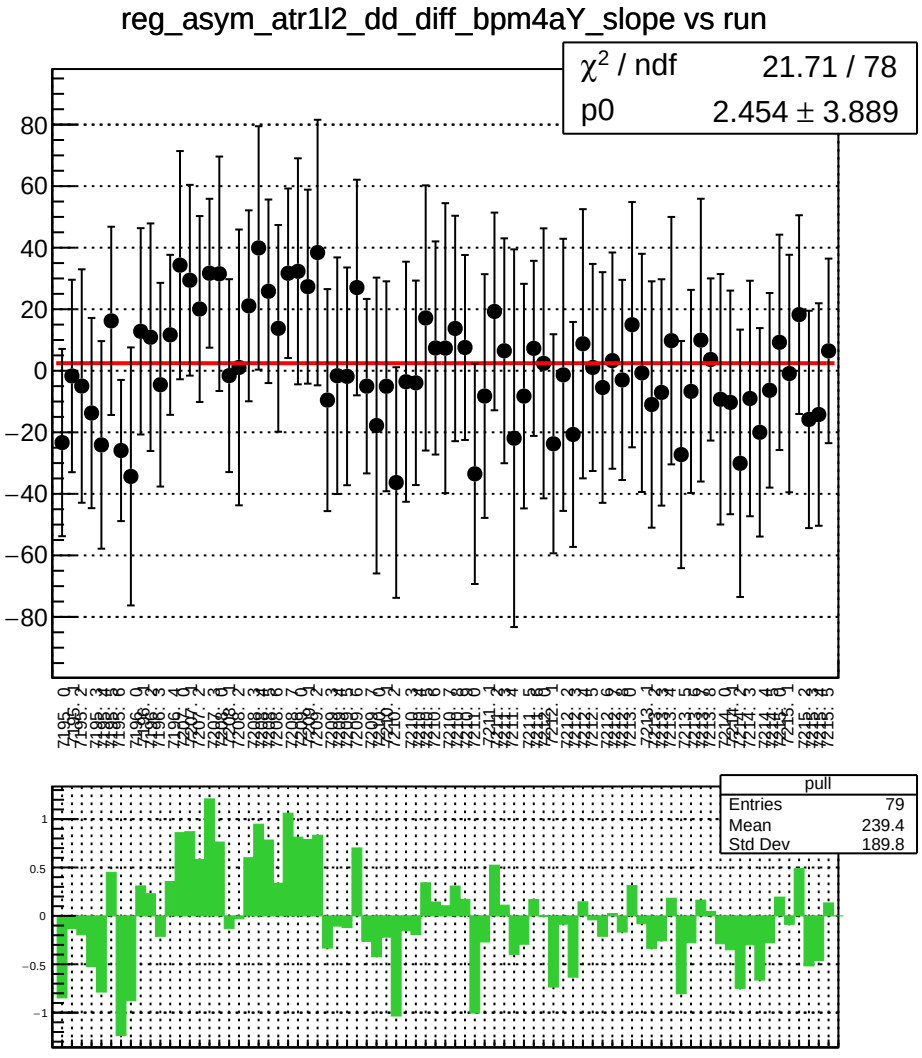

pull1D
Entries 79
Mean −0.007092
Std Dev 0.4678

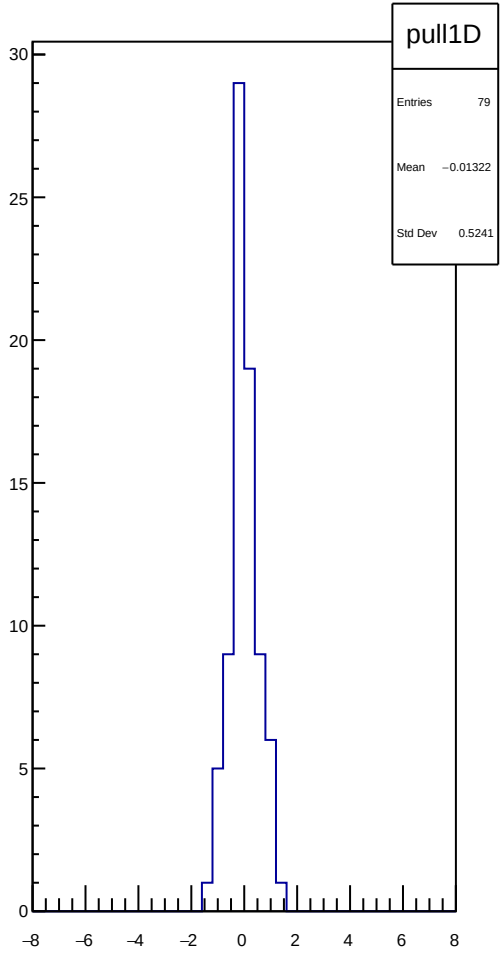

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3752 / 78
p0 −126.7 ± 0.2026
−120
−130
−140
−150
−160
pull
Entries 79
Mean 572.6
Std Dev 541
5
0
−5
−10
−15
−20

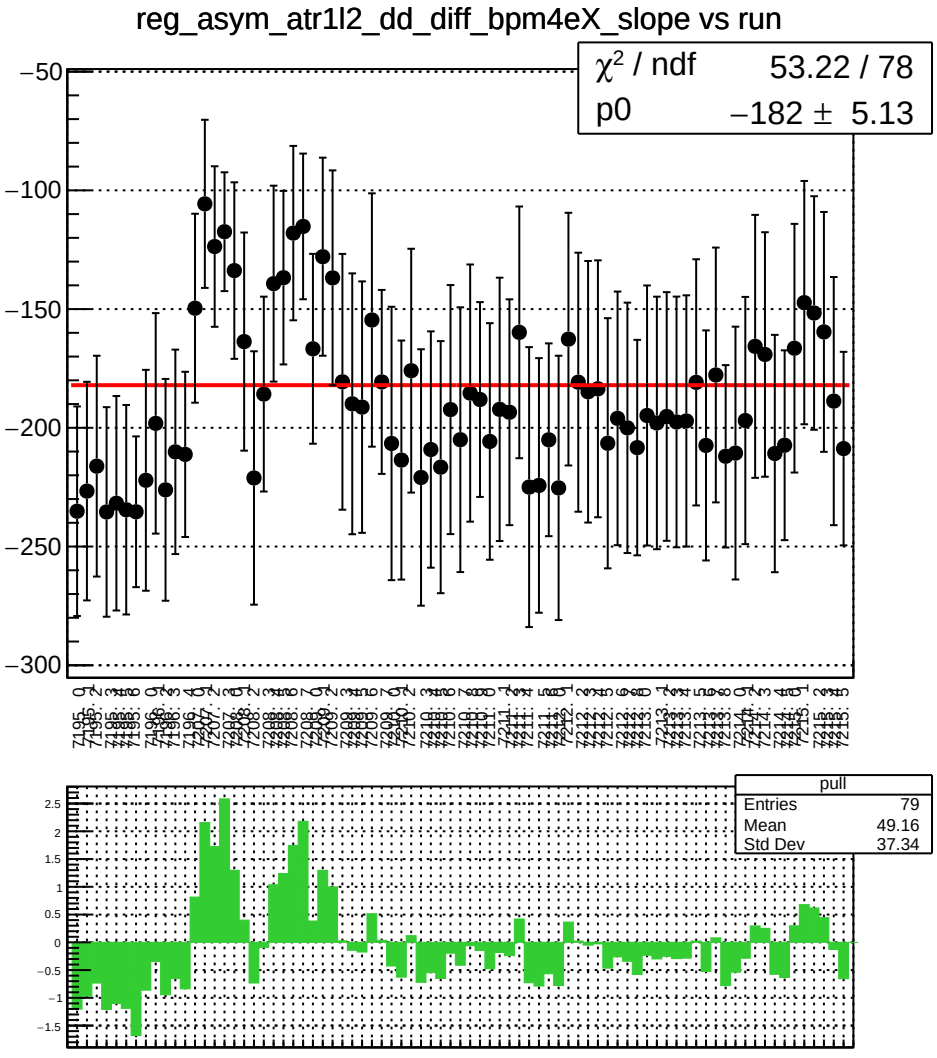

pull1D
Entries 79
Mean 3.069
Std Dev 0.5227
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

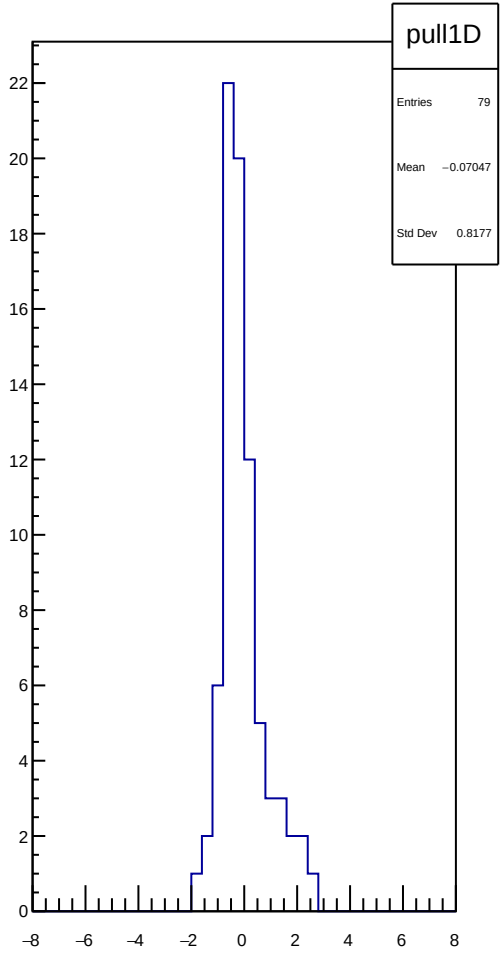

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 55.91 / 78
p0 182.3 ± 5.097
pull
Entries 79
Mean 39.22
Std Dev 41.36

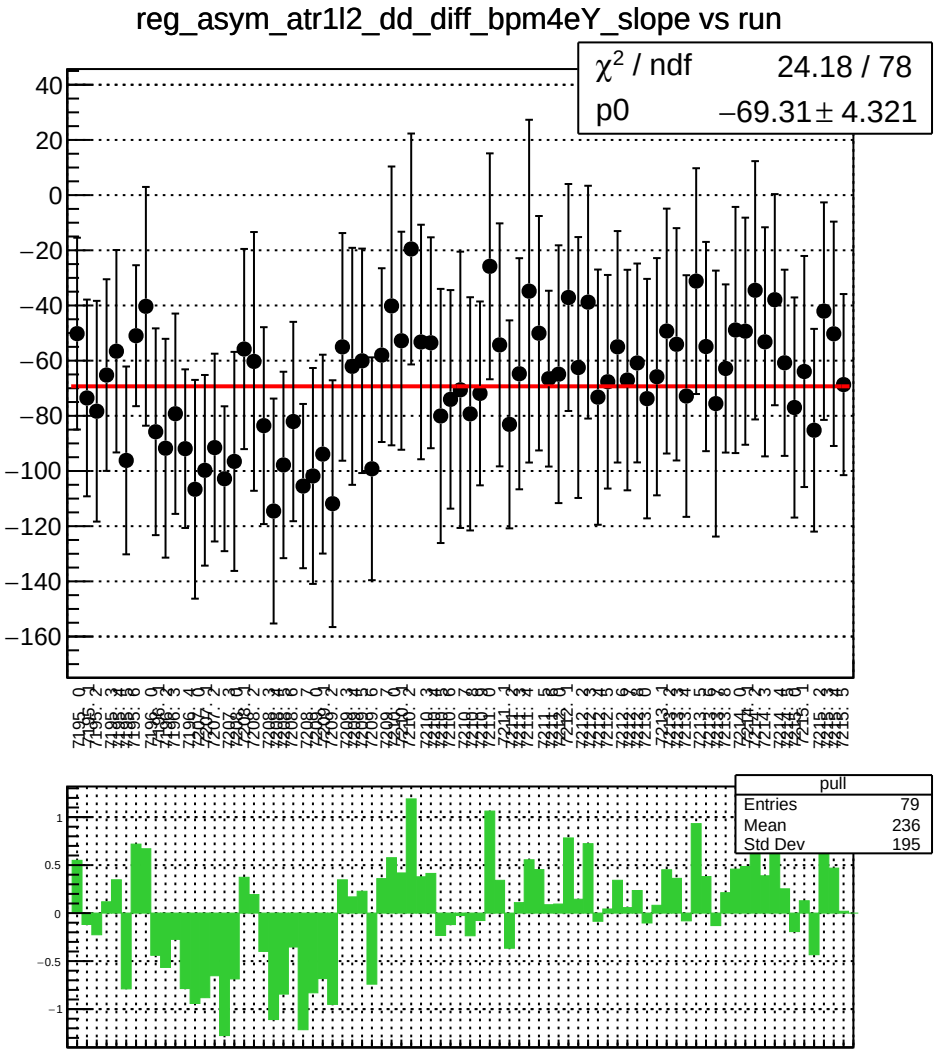

pull1D
Entries 79
Mean 0.06716
Std Dev 0.8386

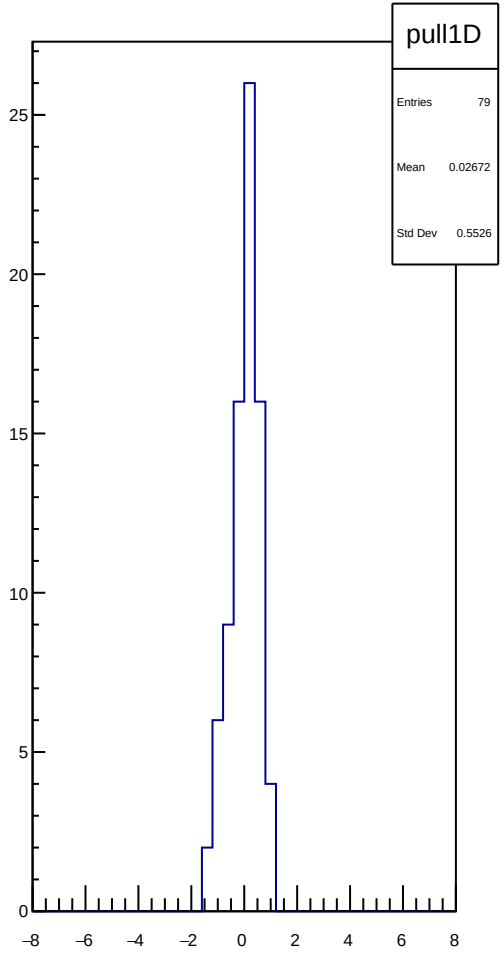

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.71 / 78
p0 2.454 ± 3.889
pull
Entries 79
Mean 239.4
Std Dev 189.8

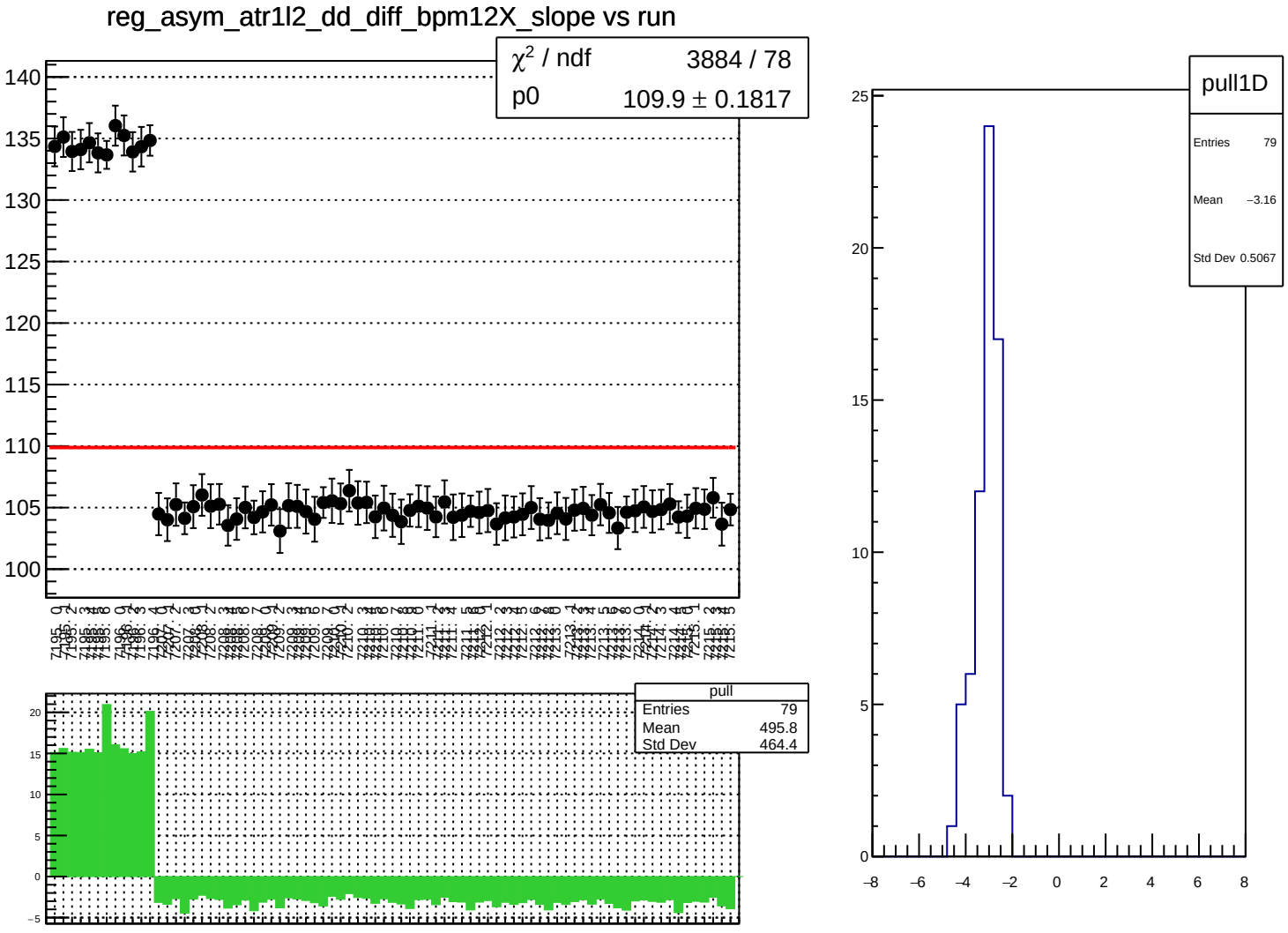

pull1D
Entries 79
Mean −0.01322
Std Dev 0.5241

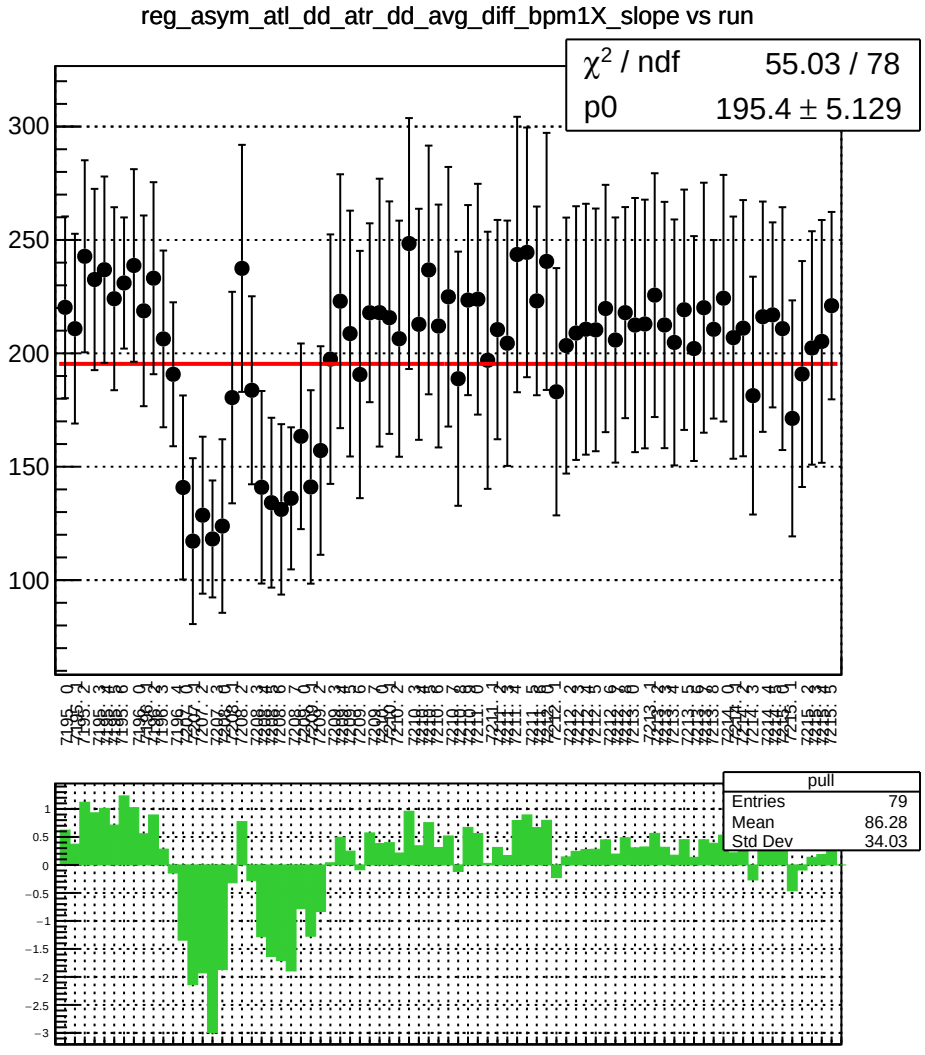

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.22 / 78
p0 −182 ± 5.13
pull
Entries 79
Mean 49.16
Std Dev 37.34

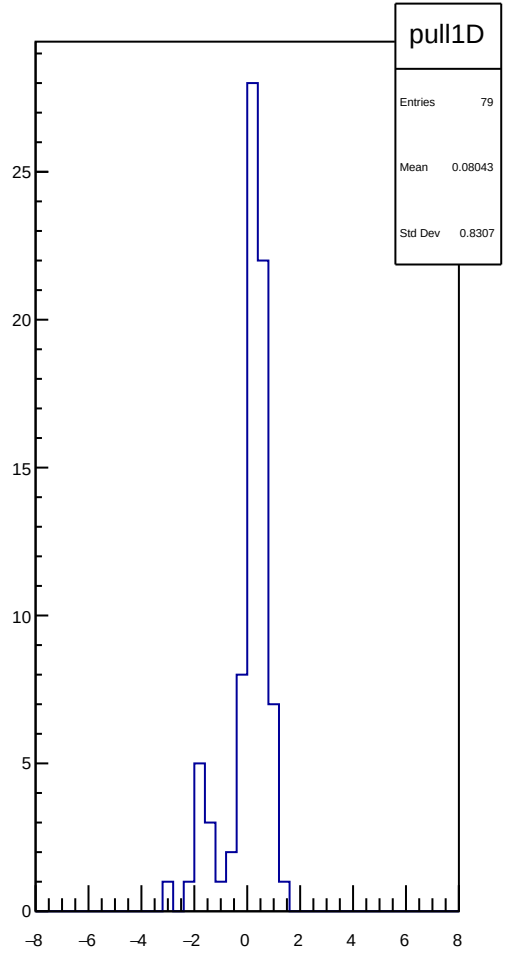

pull1D
Entries 79
Mean −0.07047
Std Dev 0.8177

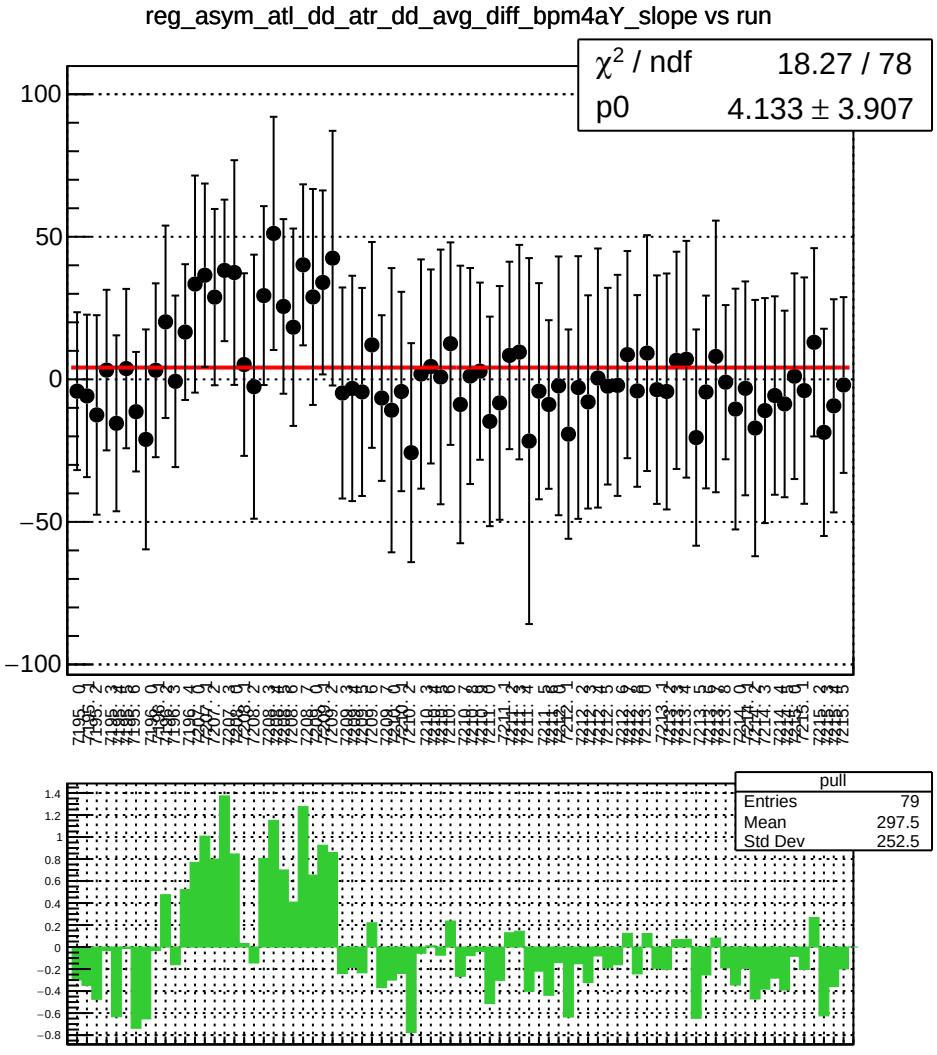

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.18 / 78
p0 −69.31 ± 4.321
pull
Entries 79
Mean 236
Std Dev 195

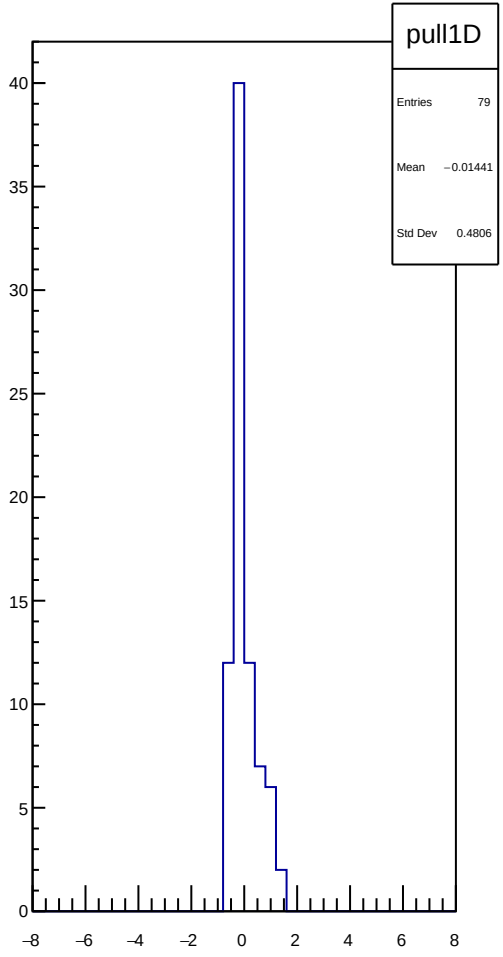

pull1D
Entries 79
Mean 0.02672
Std Dev 0.5526

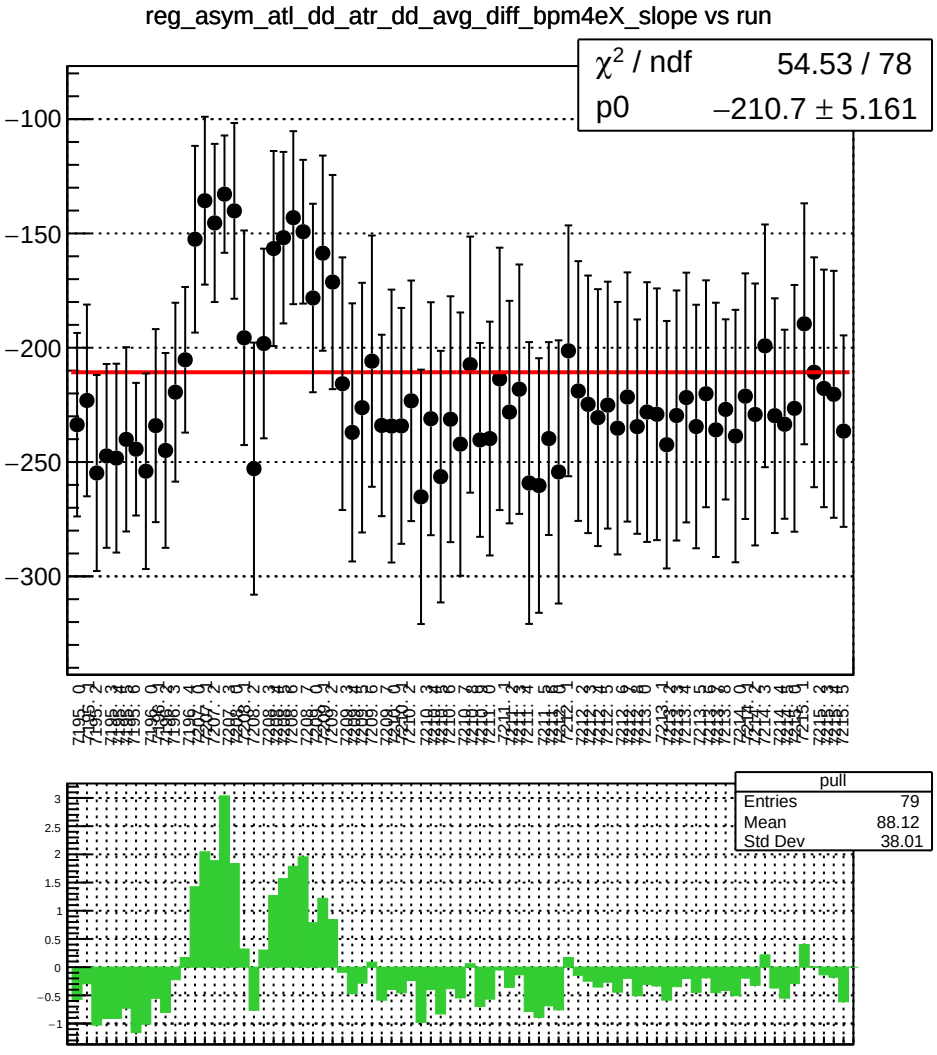

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 3884 / 78
p0 109.9 ± 0.1817
pull
Entries 79
Mean 495.8
Std Dev 464.4
pull1D
Entries 79
Mean −3.16
Std Dev 0.5067

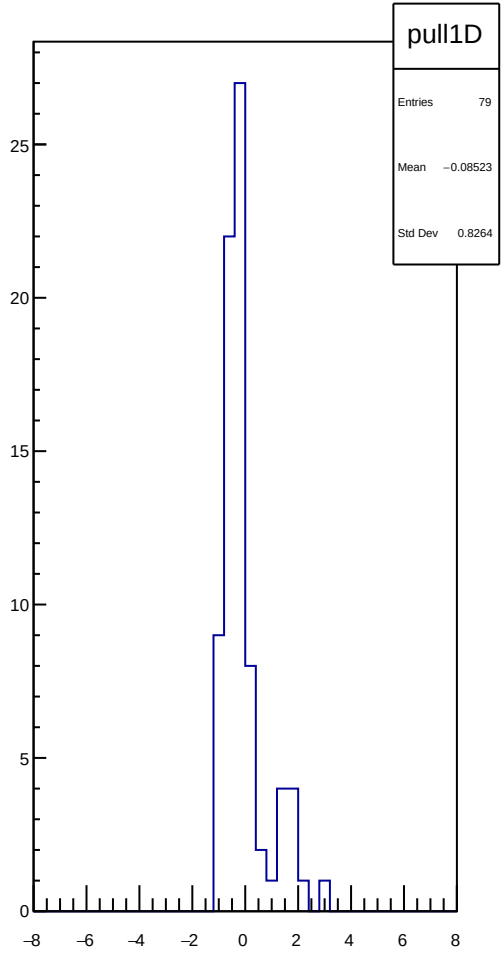

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 55.03 / 78
p0 195.4 ± 5.129
pull
Entries 79
Mean 86.28
Std Dev 34.03

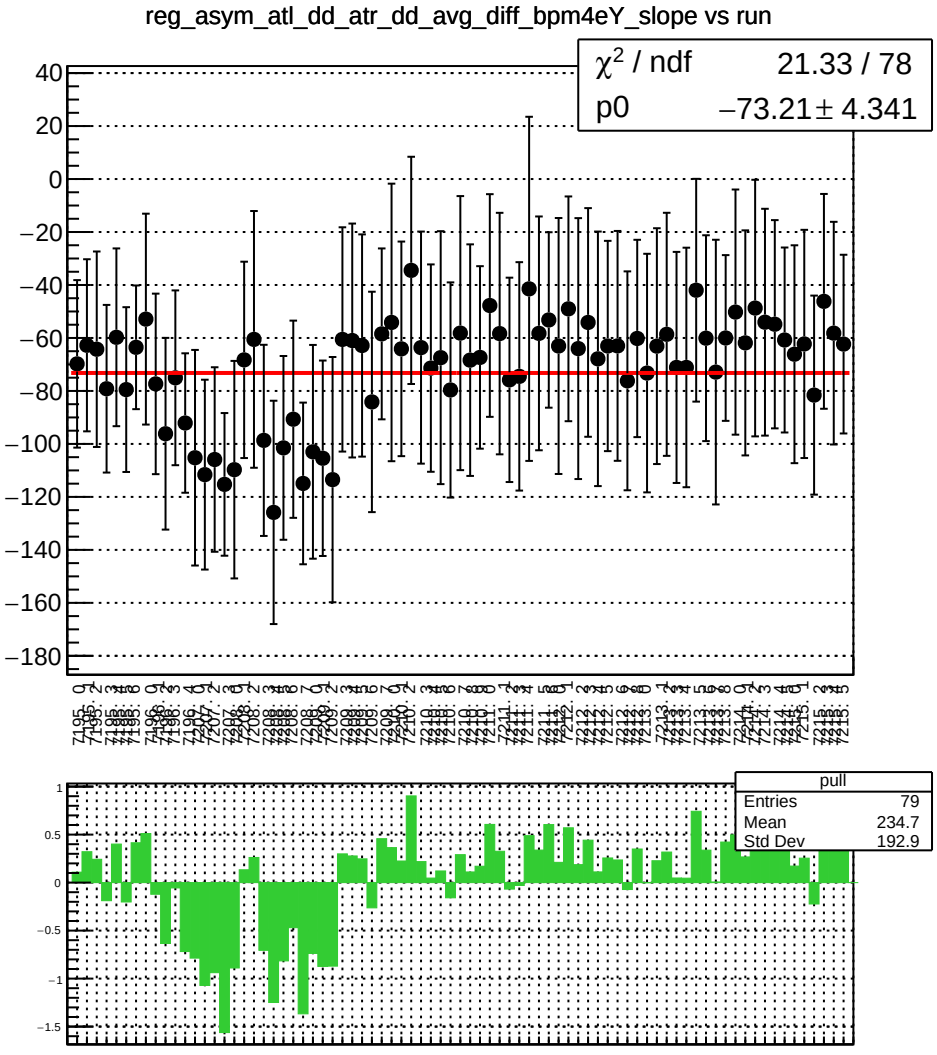

pull1D
Entries 79
Mean 0.08043
Std Dev 0.8307

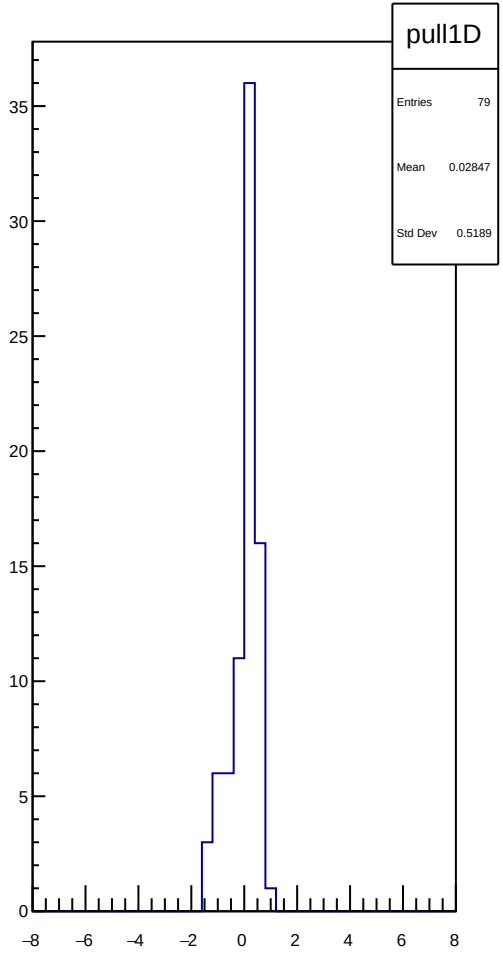

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.27 / 78
p0 4.133 ± 3.907
pull
Entries 79
Mean 297.5
Std Dev 252.5


pull1D
Entries 79
Mean −0.01441
Std Dev 0.4806

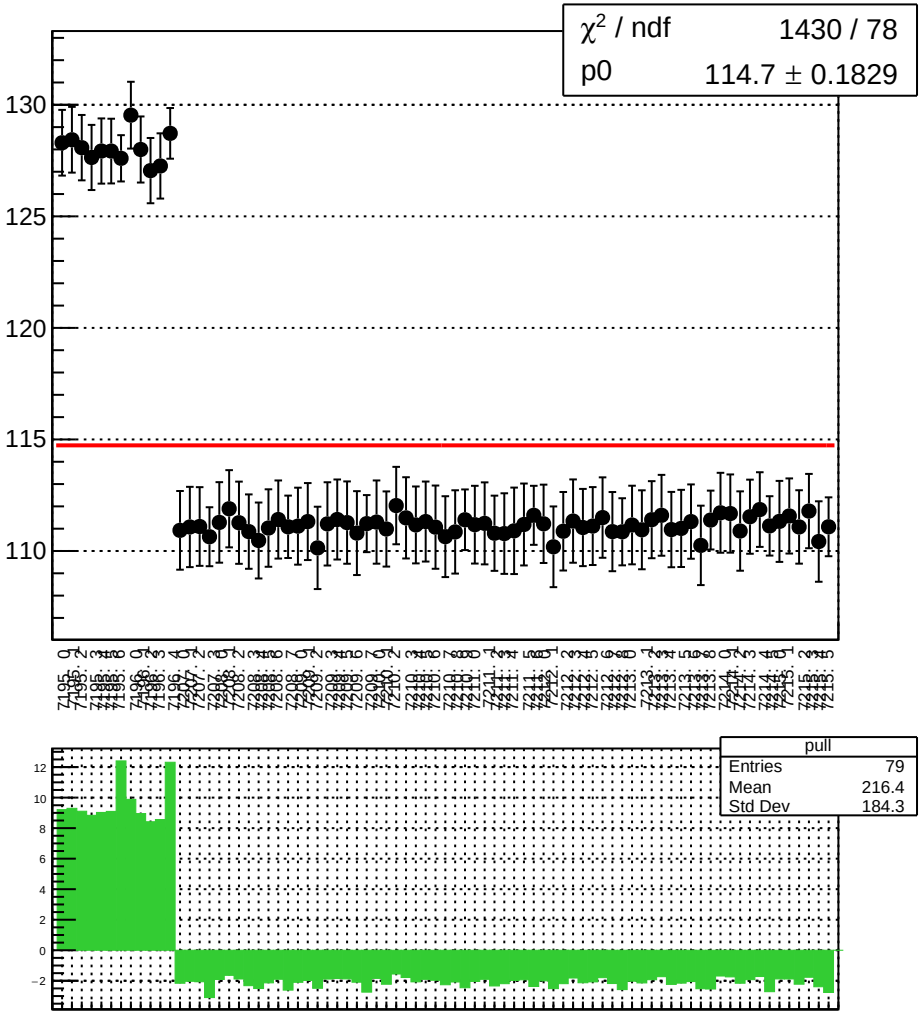

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 54.53 / 78
p0 −210.7 ± 5.161
pull
Entries 79
Mean 88.12
Std Dev 38.01

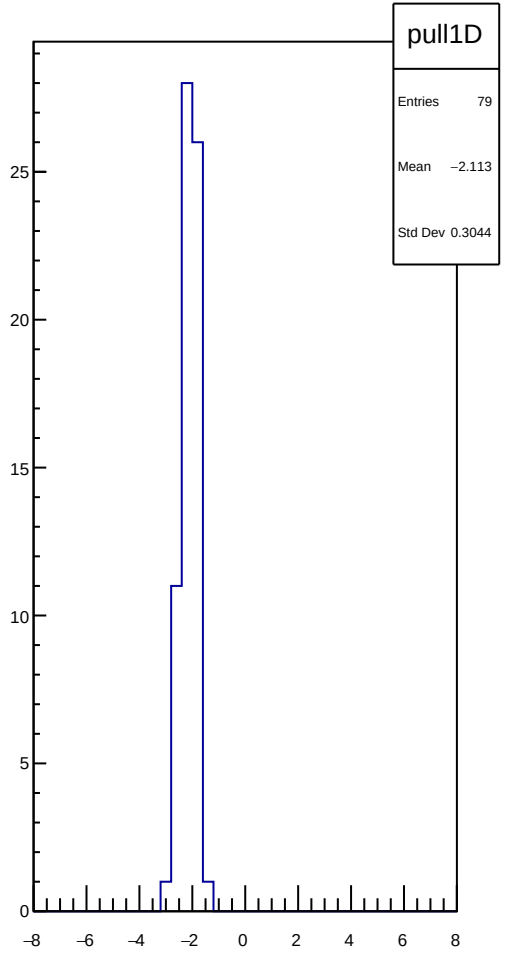

pull1D
Entries 79
Mean −0.08523
Std Dev 0.8264

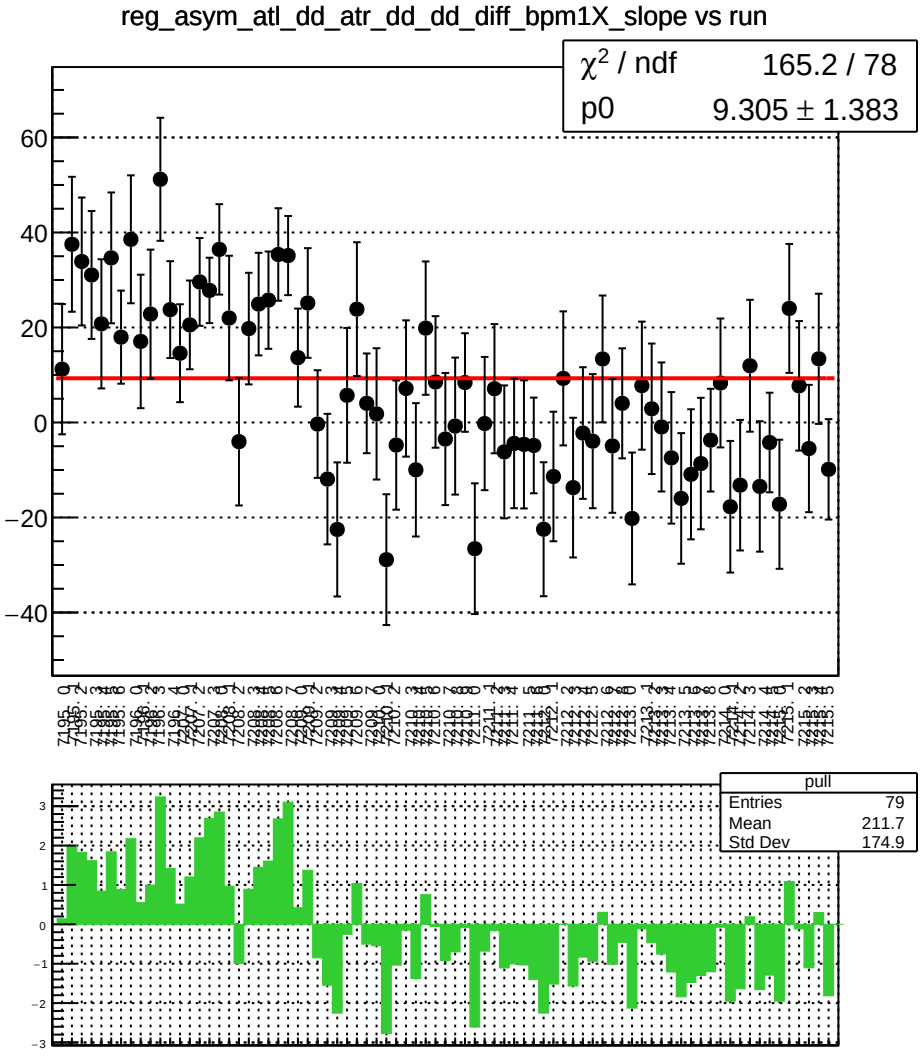

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 21.33 / 78
p0 −73.21 ± 4.341
pull
Entries 79
Mean 234.7
Std Dev 192.9

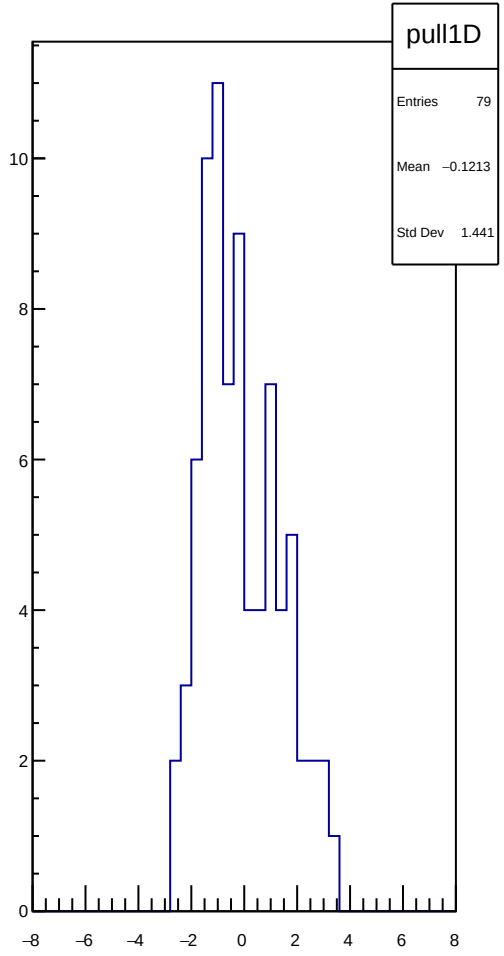

pull1D
Entries 79
Mean 0.02847
Std Dev 0.5189

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run

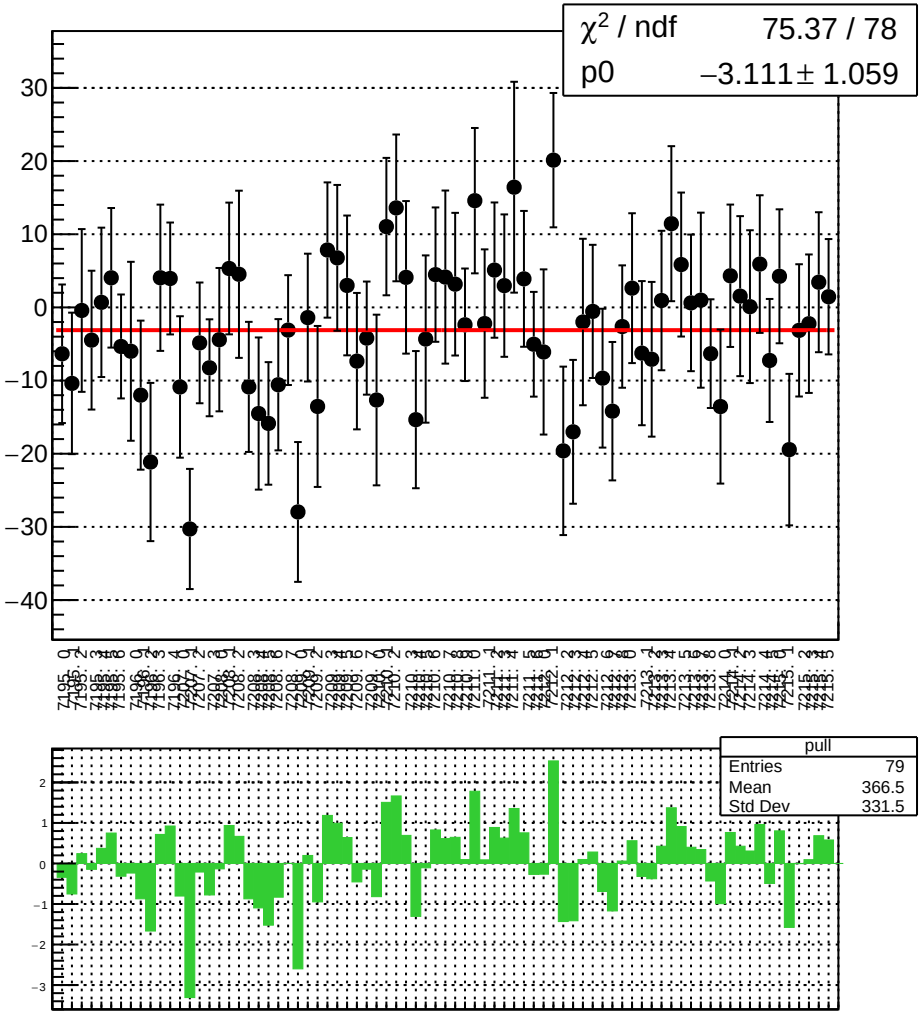


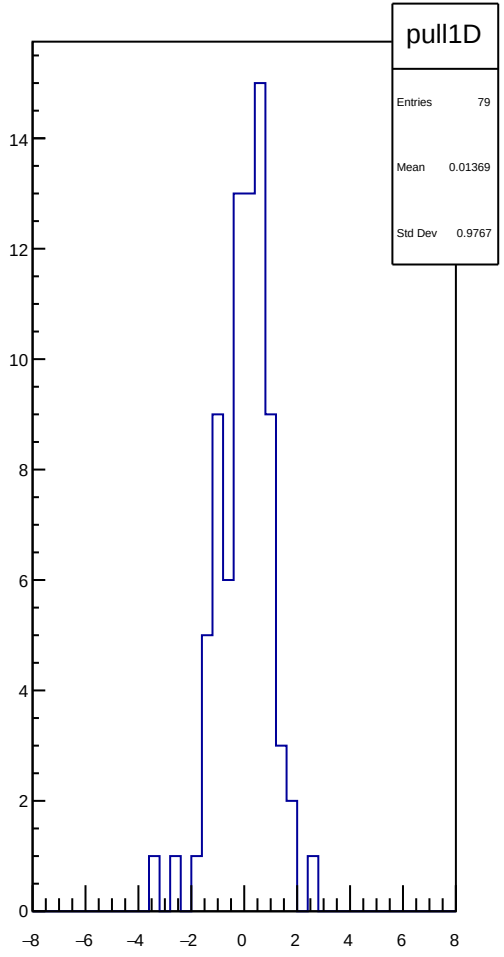



reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 165.2 / 78
p0 9.305 ± 1.383
pull
Entries 79
Mean 211.7
Std Dev 174.9

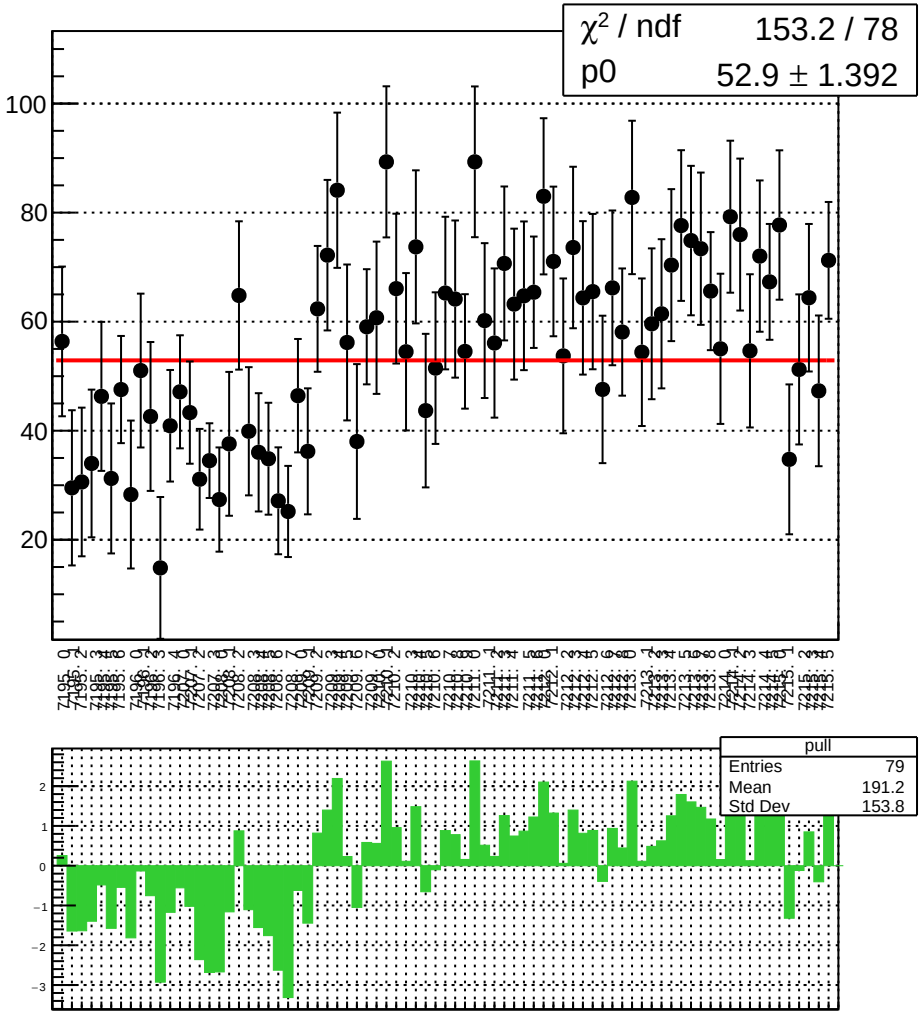

pull1D
Entries 79
Mean −0.1213
Std Dev 1.441

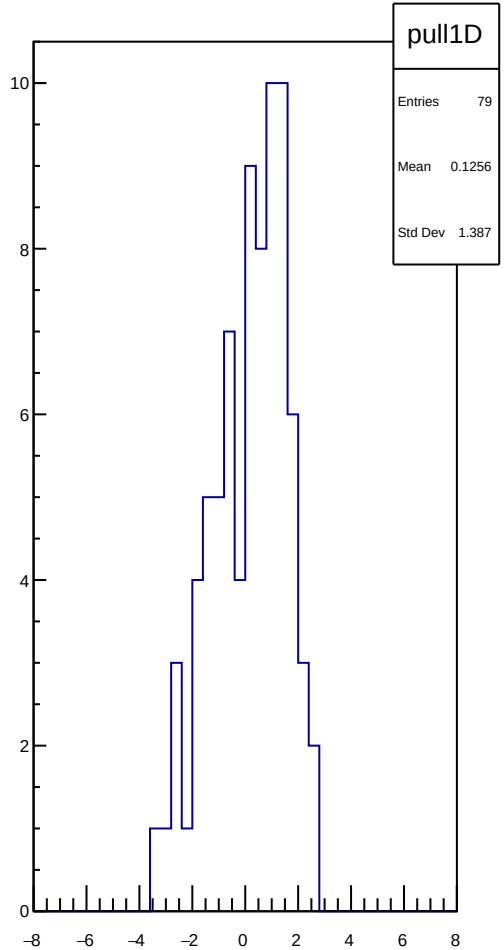
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run

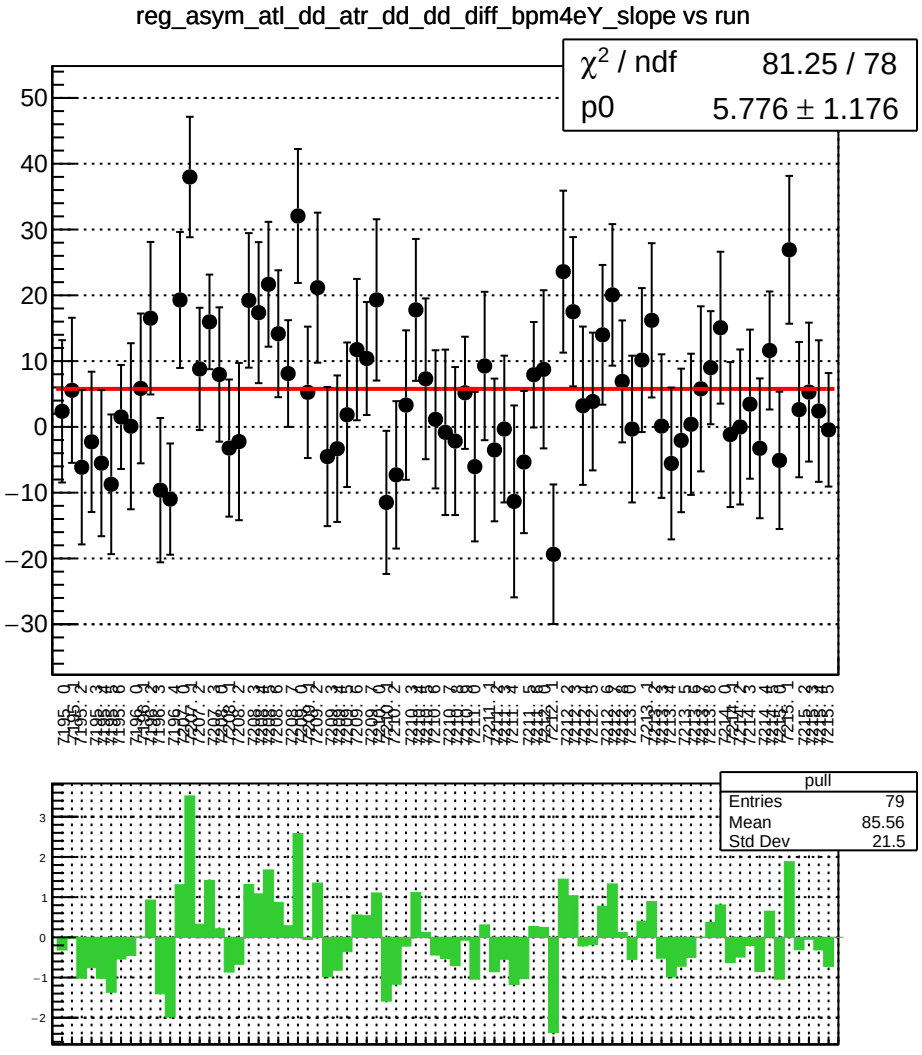


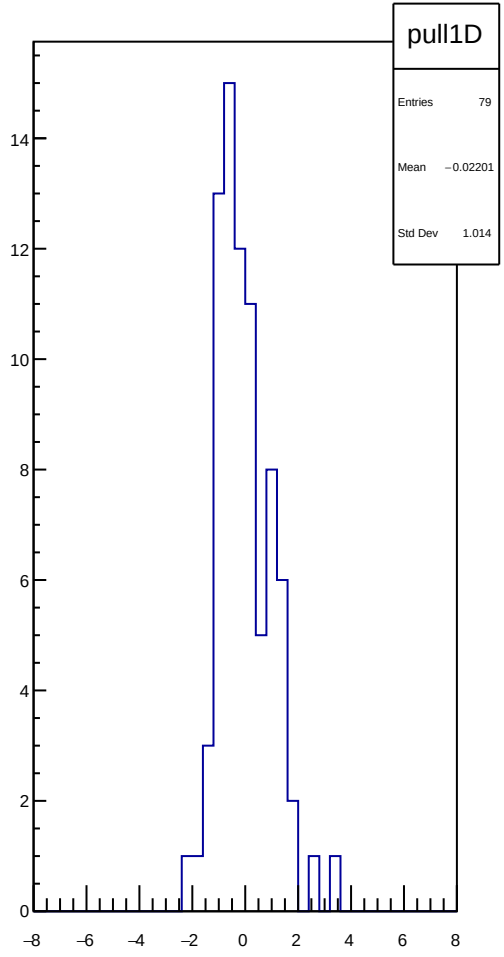


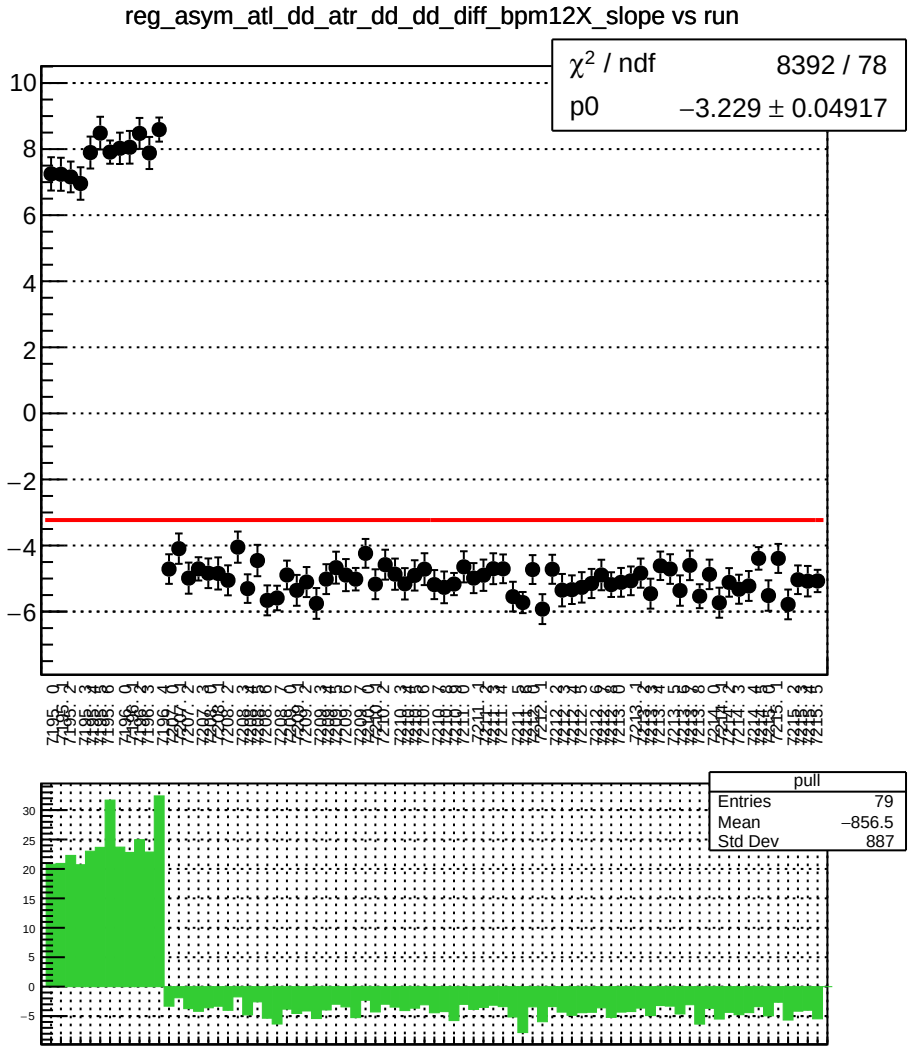
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run

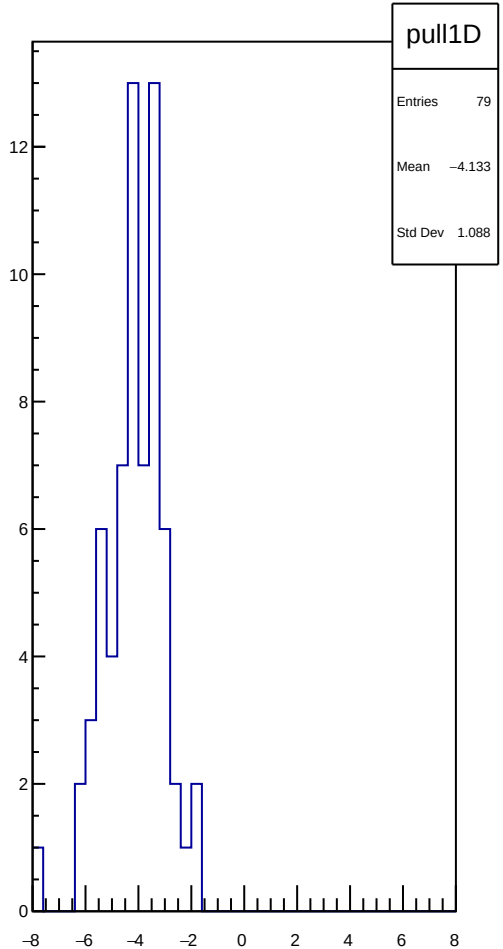


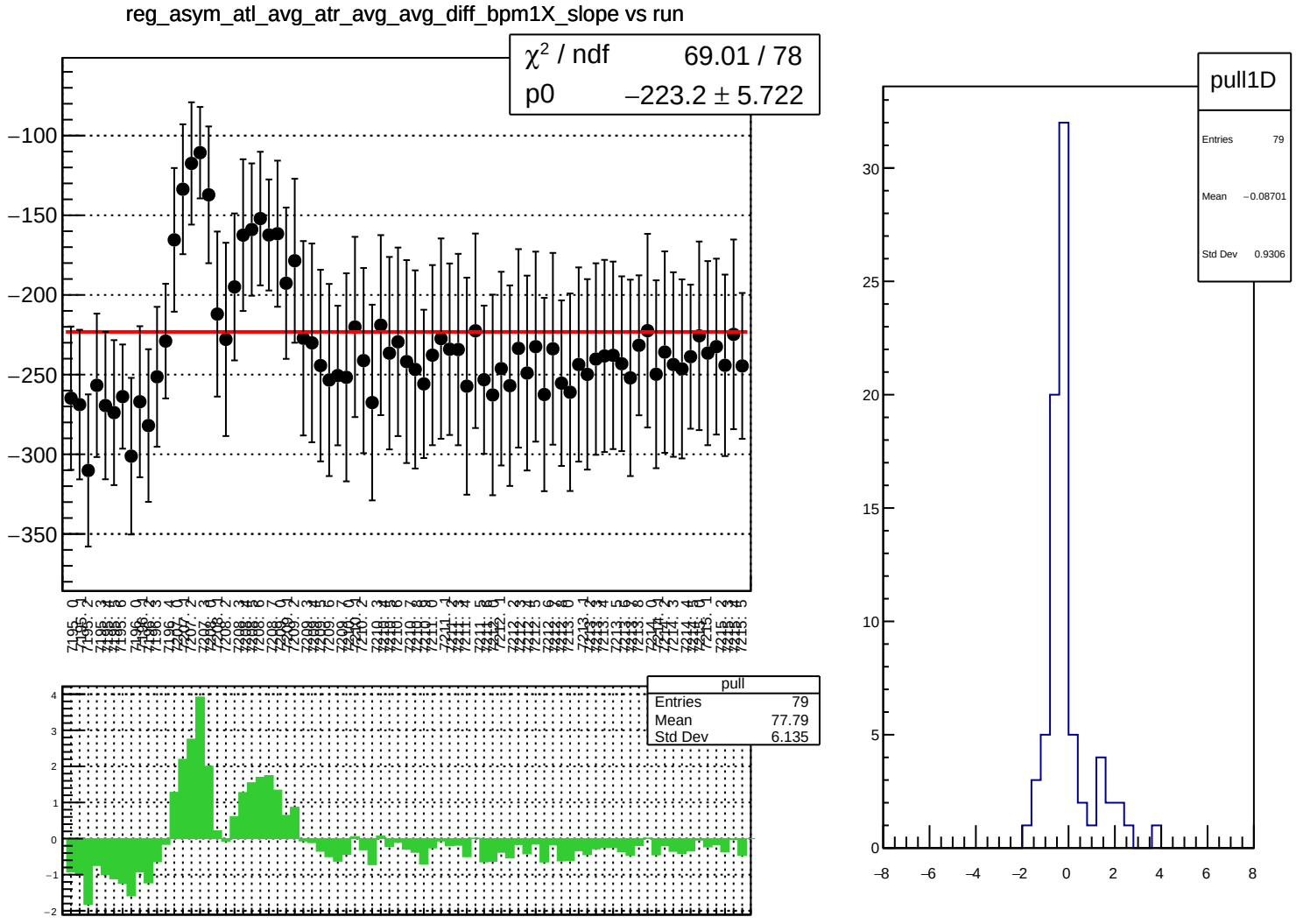


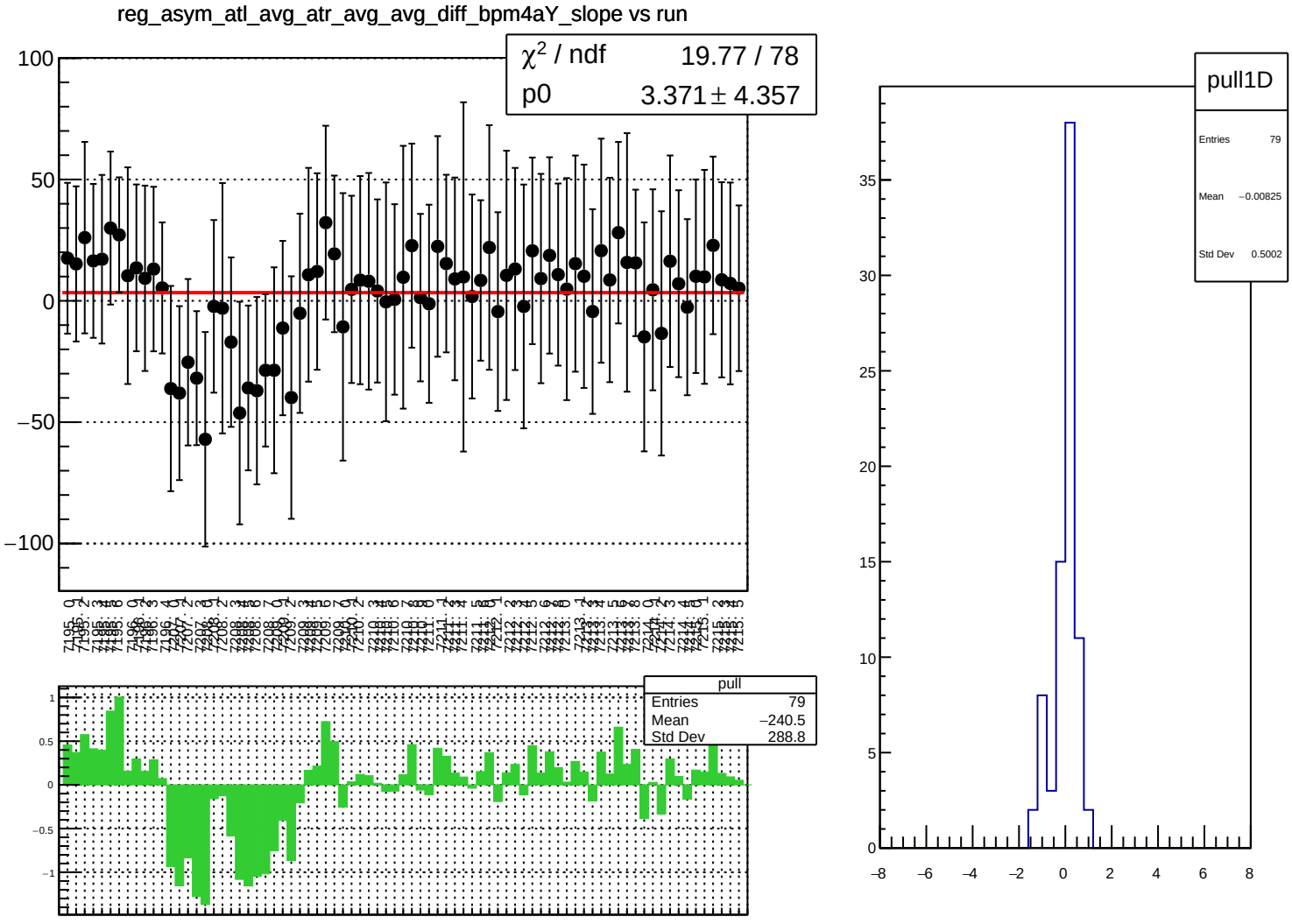

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.25 / 78
p0 5.776 ± 1.176
pull
Entries 79
Mean 85.56
Std Dev 21.5

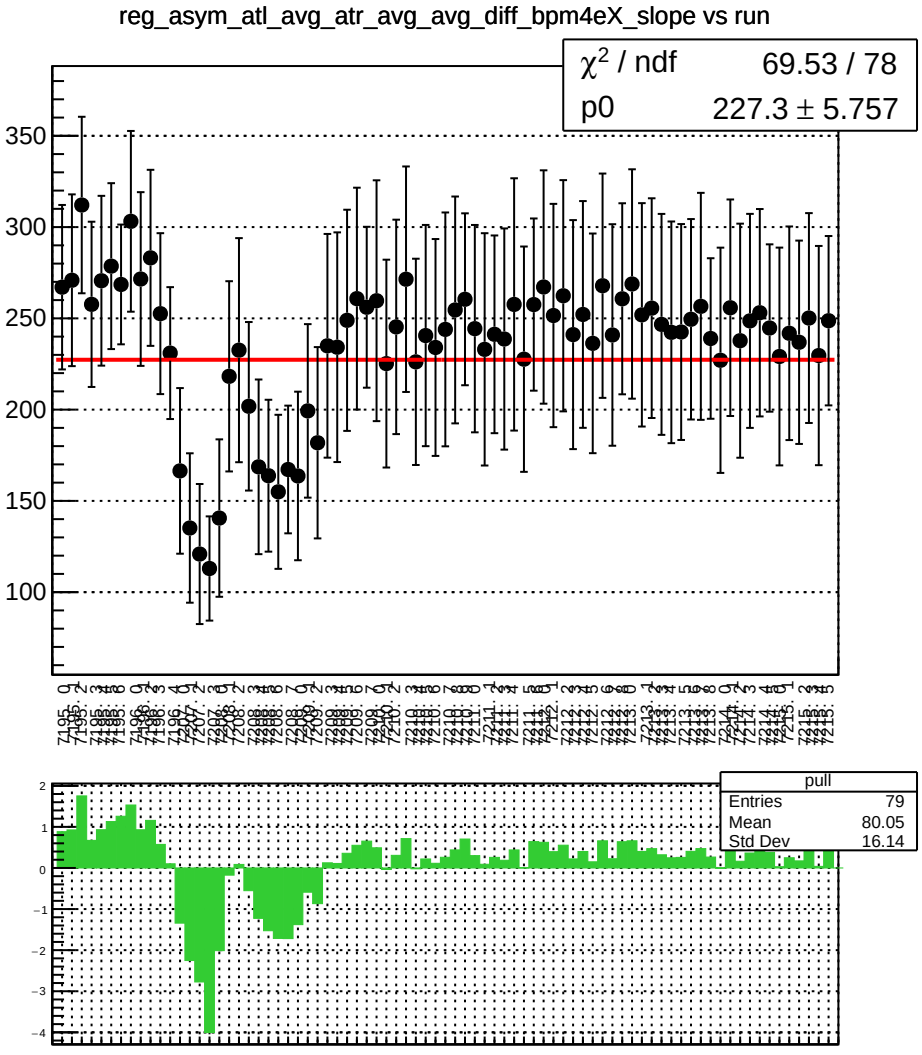

pull1D
Entries 79
Mean −0.02201
Std Dev 1.014

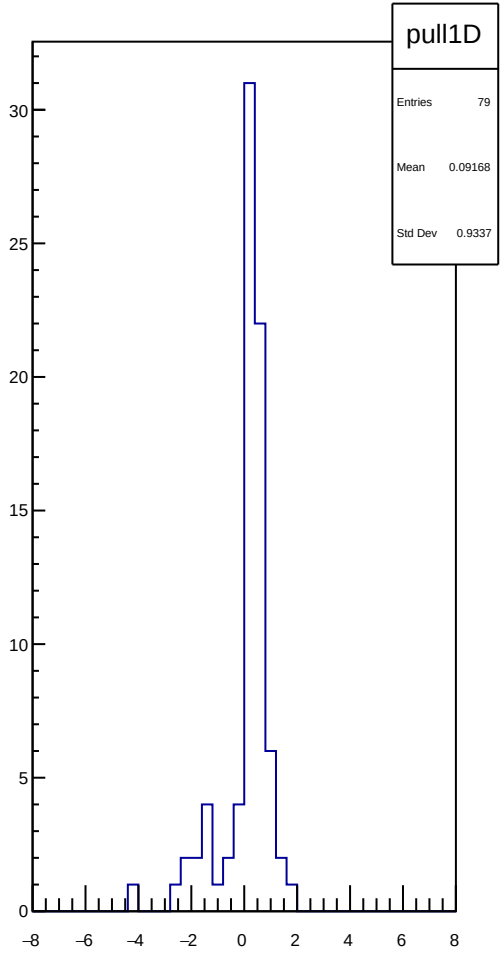

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 8392 / 78
p0 −3.229 ± 0.04917
pull
Entries 79
Mean −856.5
Std Dev 887

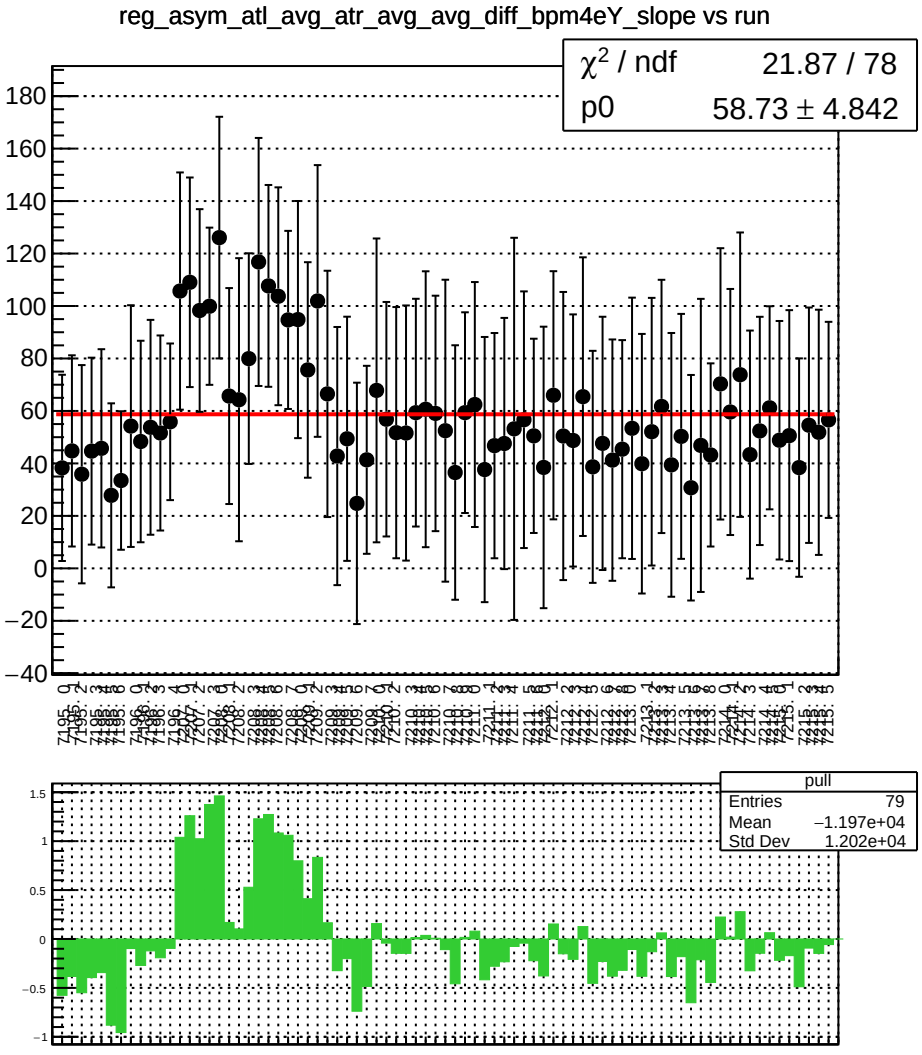

pull1D
Entries 79
Mean −4.133
Std Dev 1.088

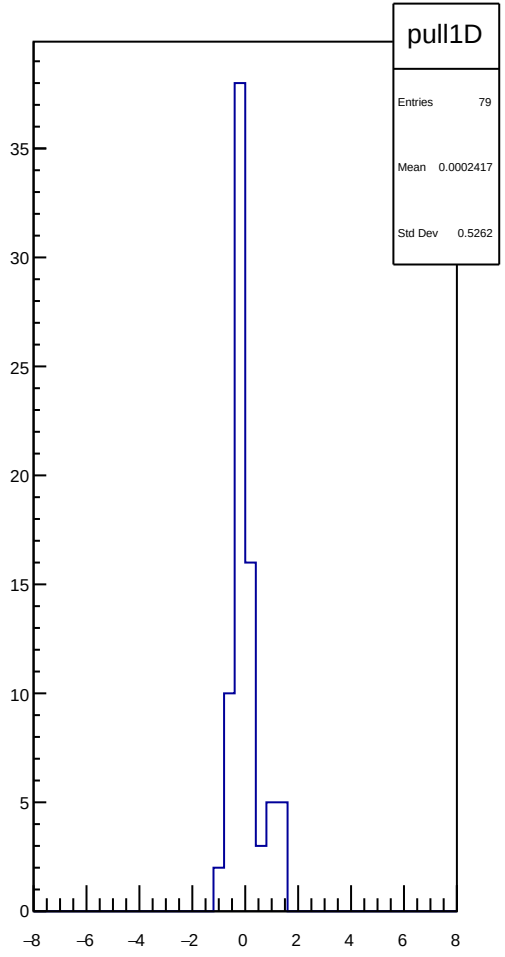

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 69.01 / 78
p0 −223.2 ± 5.722
pull
Entries 79
Mean 77.79
Std Dev 6.135
pull1D
Entries 79
Mean −0.08701
Std Dev 0.9306

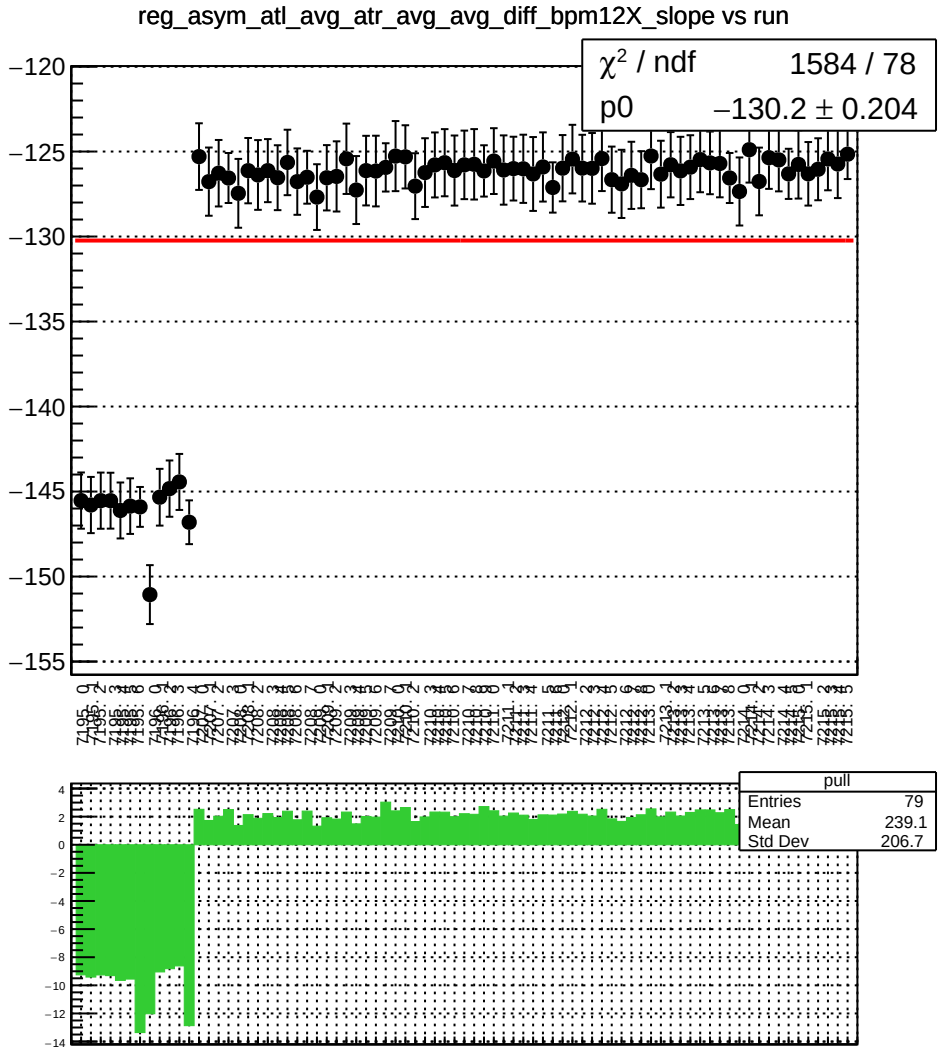

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.77 / 78
p0 3.371 ± 4.357
pull
Entries 79
Mean −240.5
Std Dev 288.8
pull1D
Entries 79
Mean −0.00825
Std Dev 0.5002

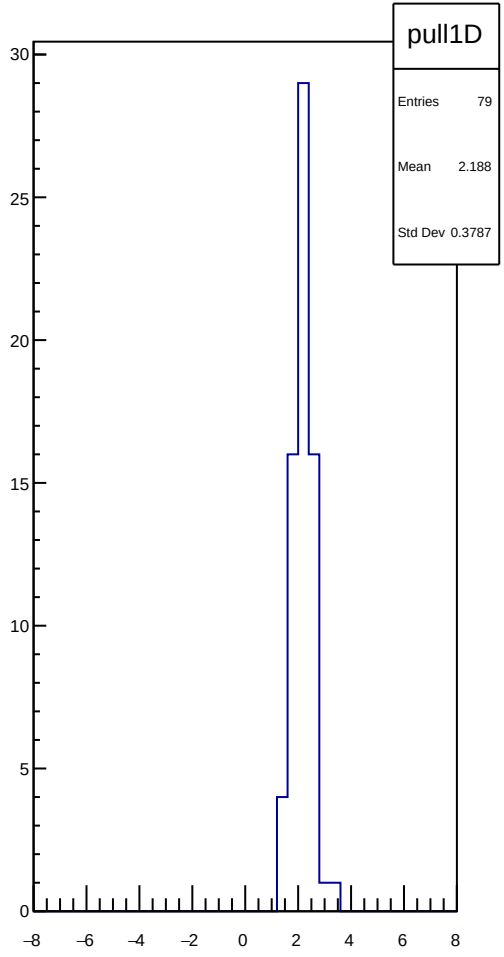

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.53 / 78
p0 227.3 ± 5.757
pull
Entries 79
Mean 80.05
Std Dev 16.14


pull1D
Entries 79
Mean 0.09168
Std Dev 0.9337

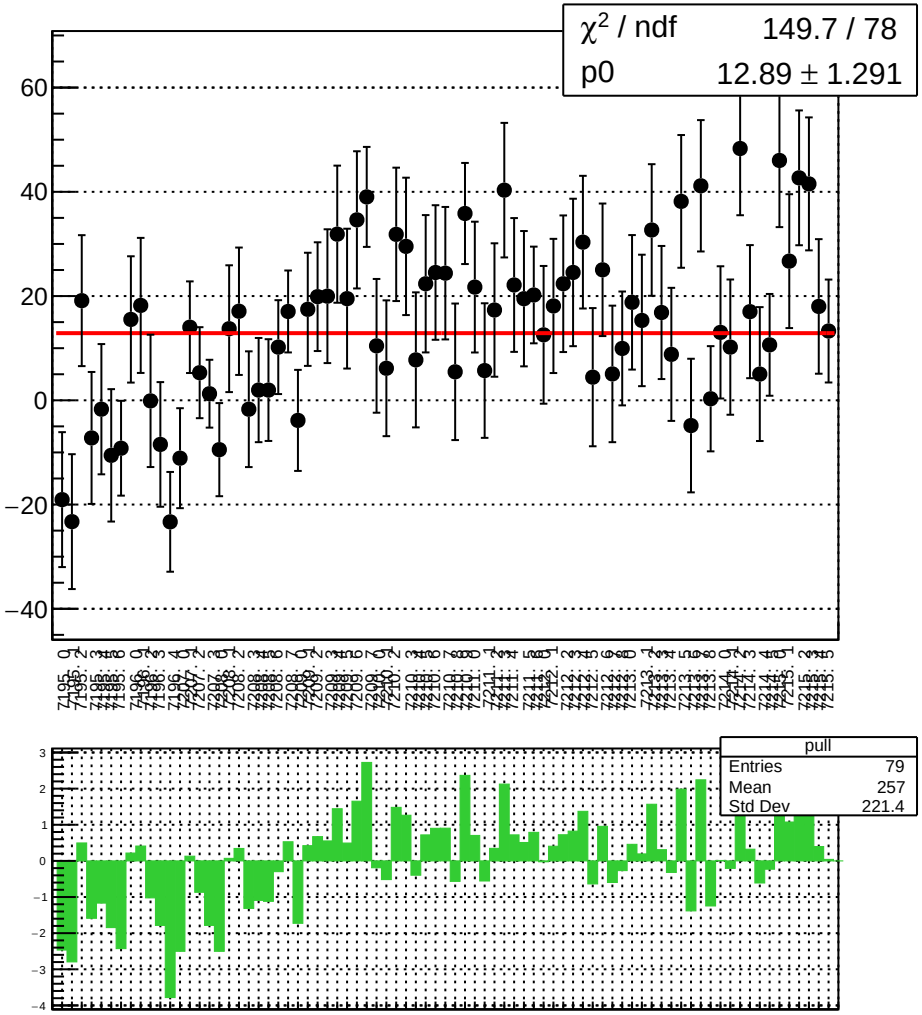

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.87 / 78
p0 58.73 ± 4.842
pull
Entries 79
Mean −1.197e+04
Std Dev 1.202e+04

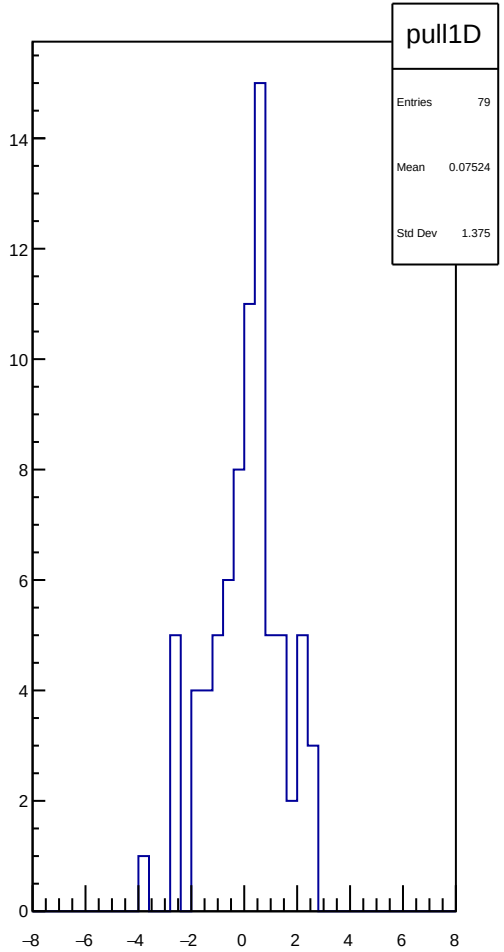

pull1D
Entries 79
Mean 0.0002417
Std Dev 0.5262


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1584 / 78
p0 −130.2 ± 0.204
pull
Entries 79
Mean 239.1
Std Dev 206.7

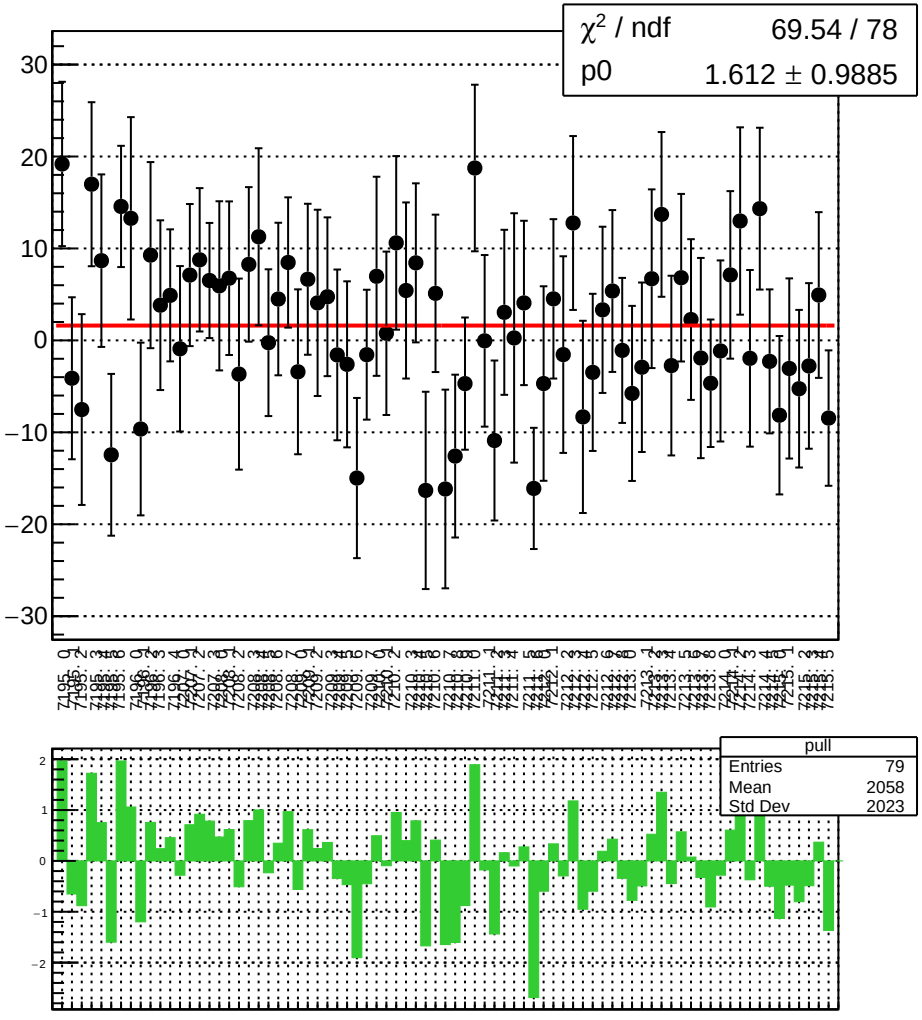

pull1D
Entries 79
Mean 2.188
Std Dev 0.3787

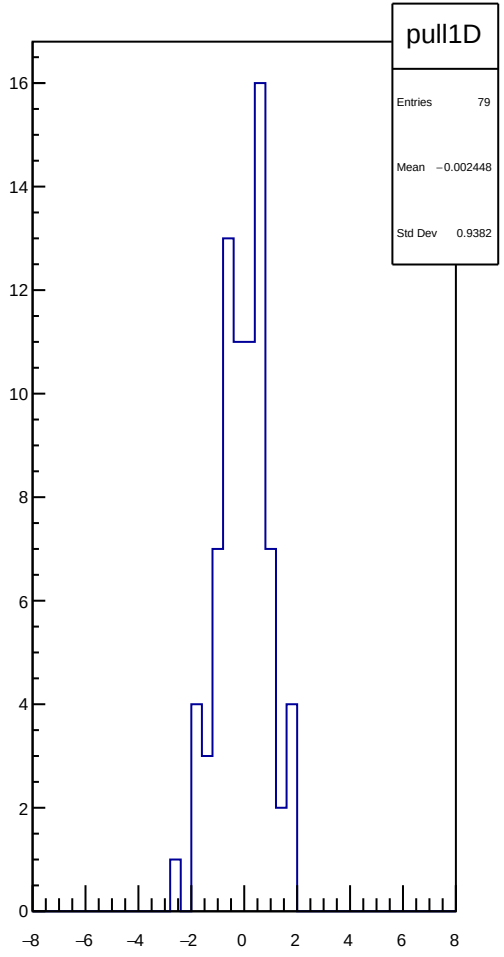
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run



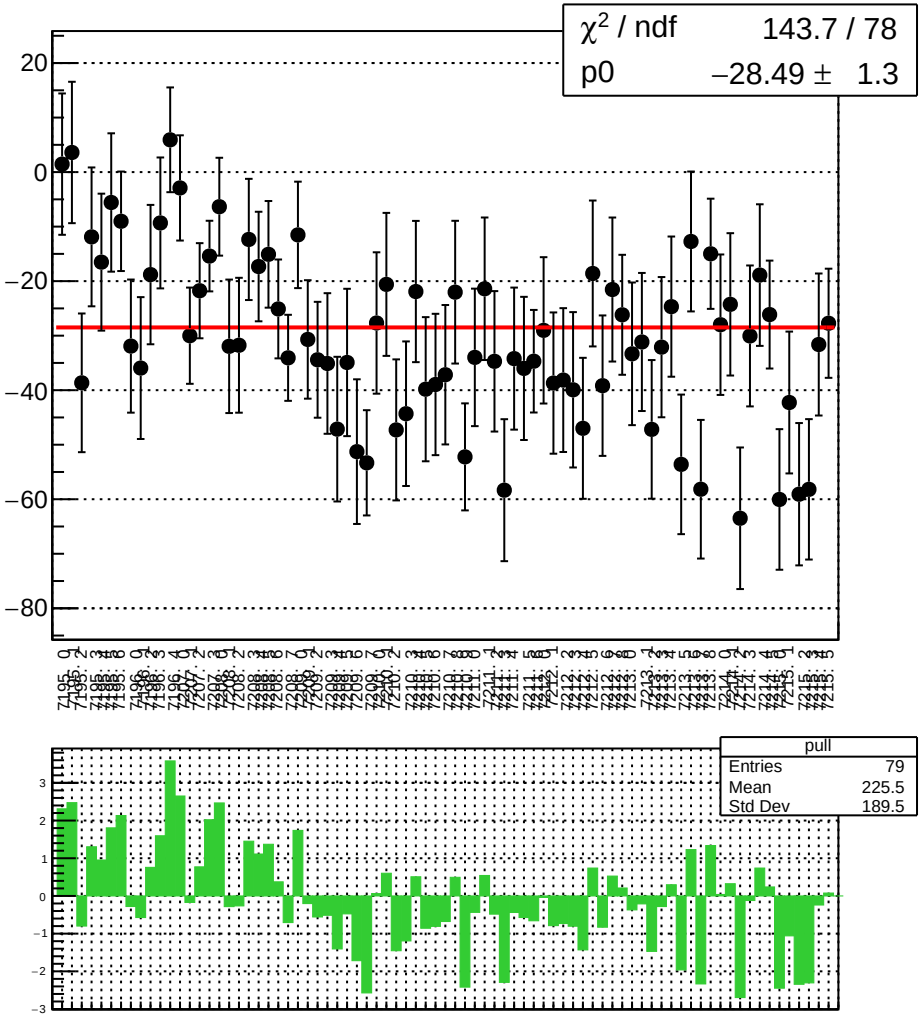


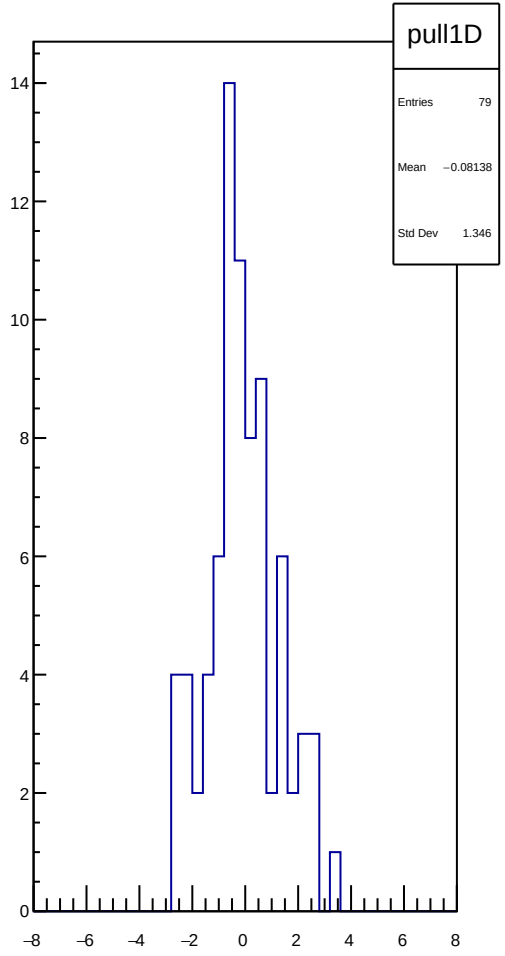
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run



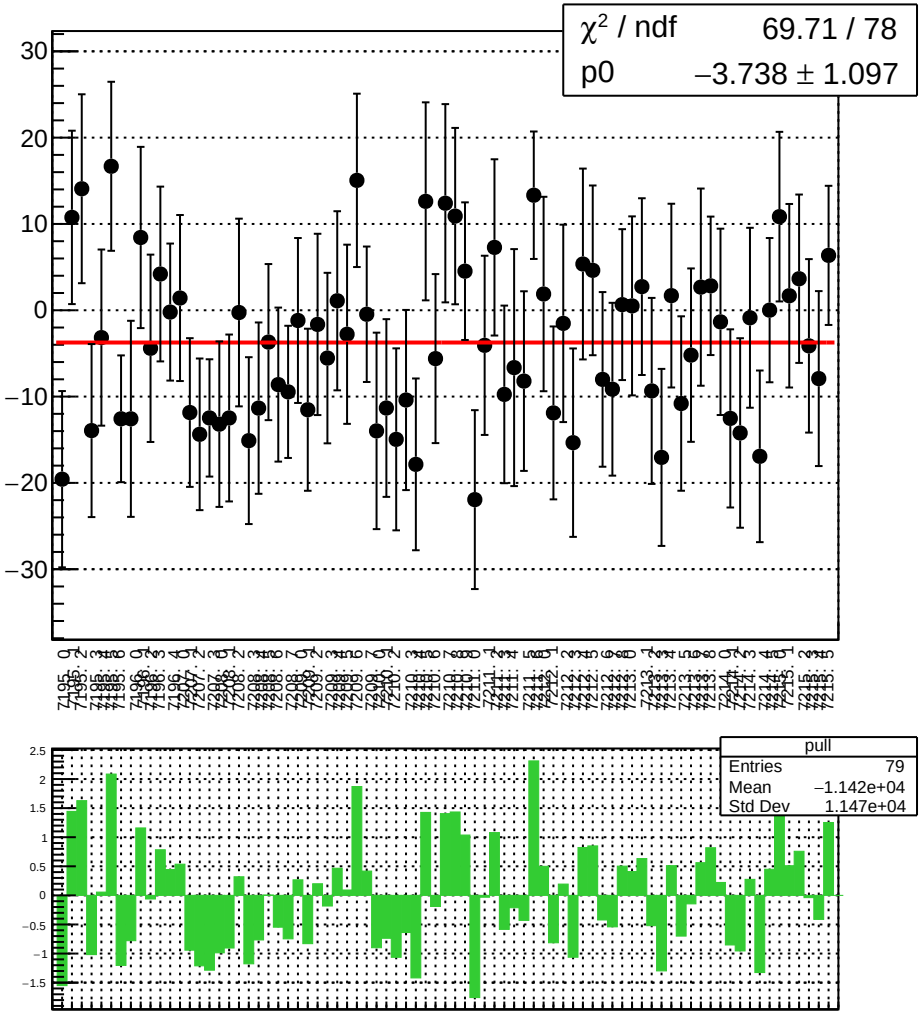


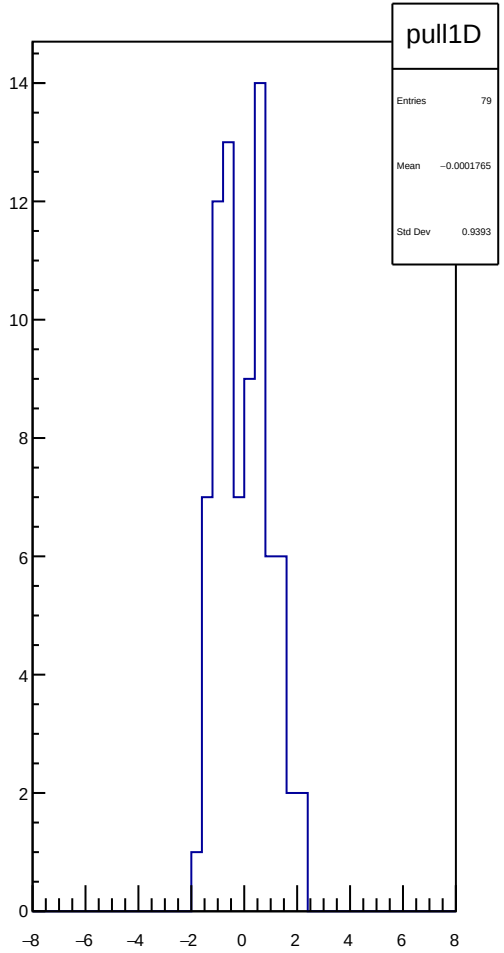
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run



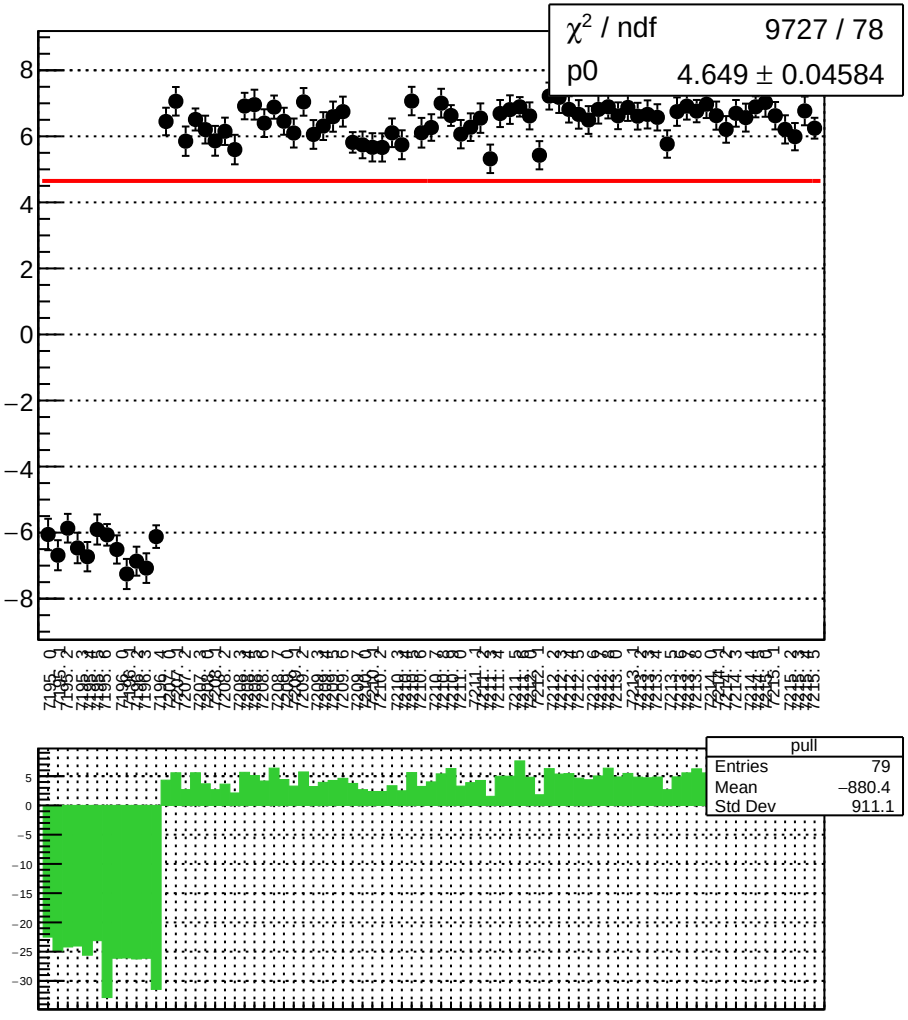


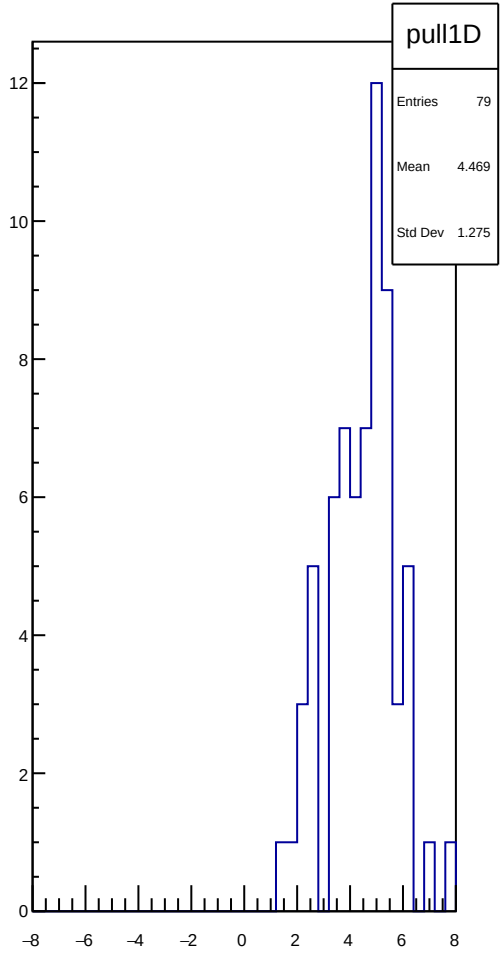
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run

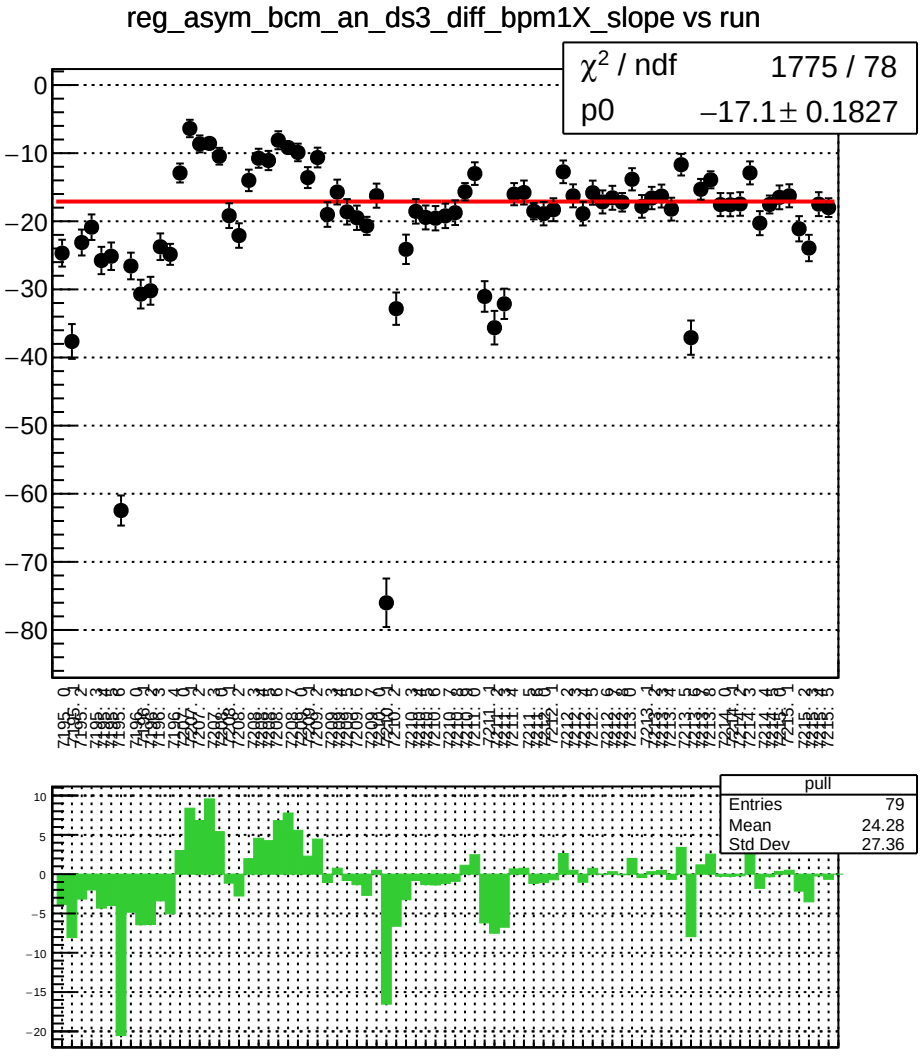


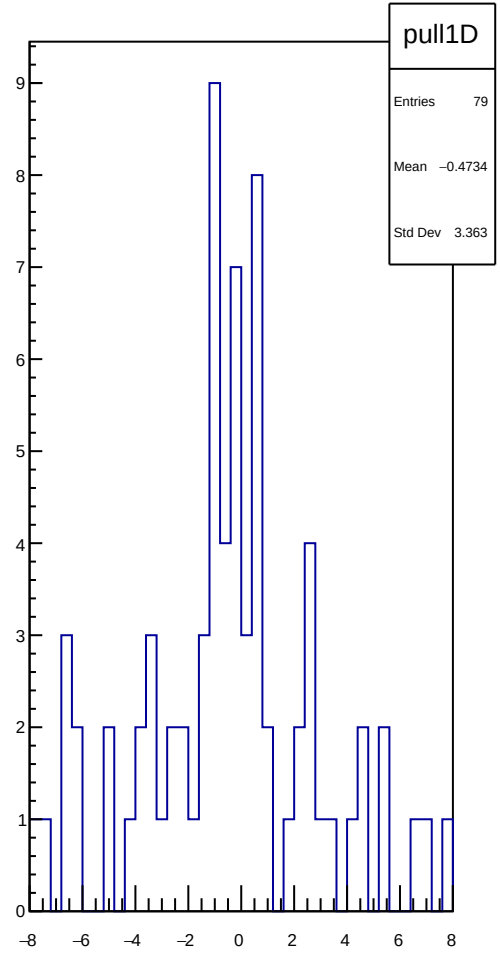


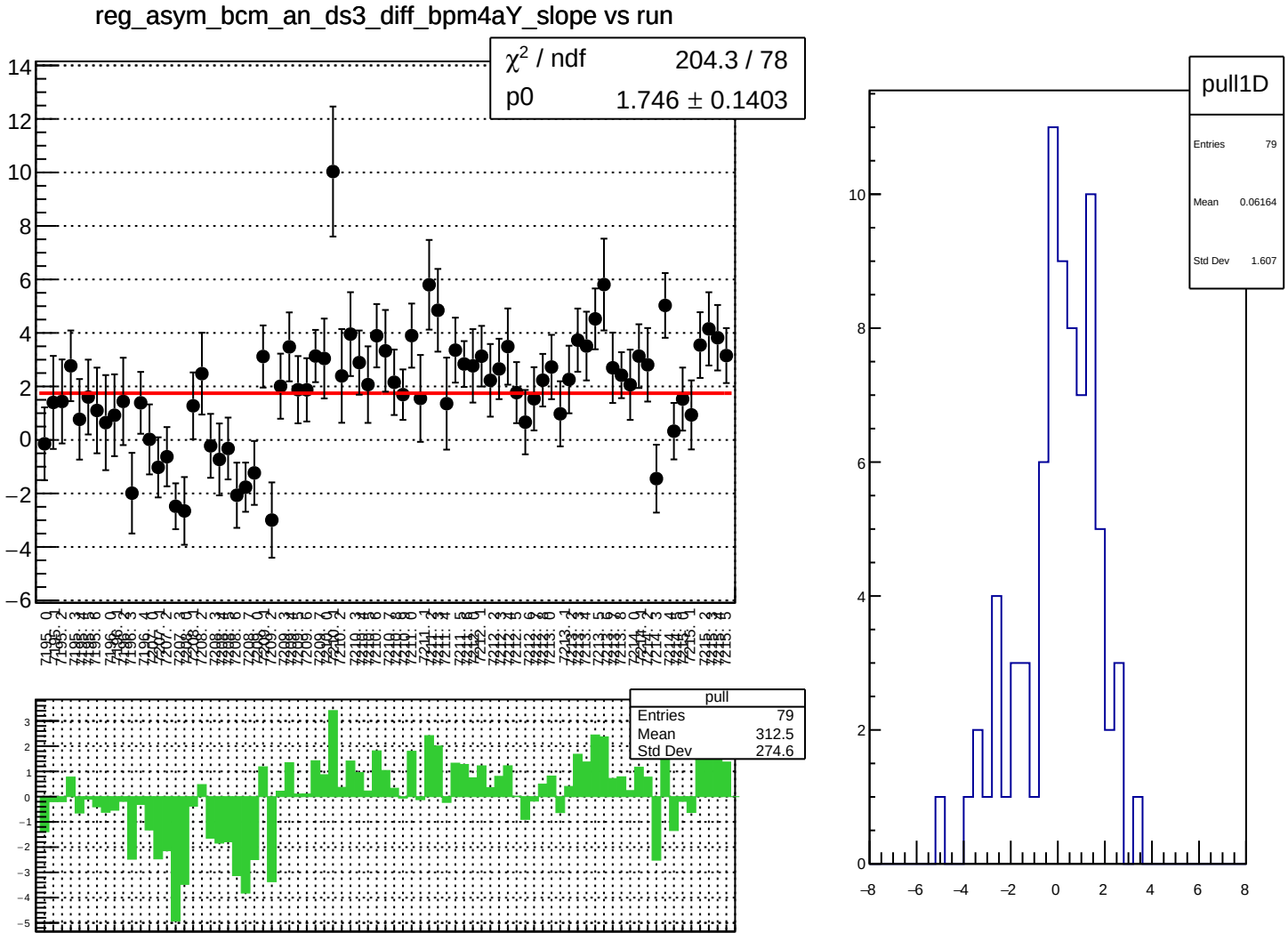
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

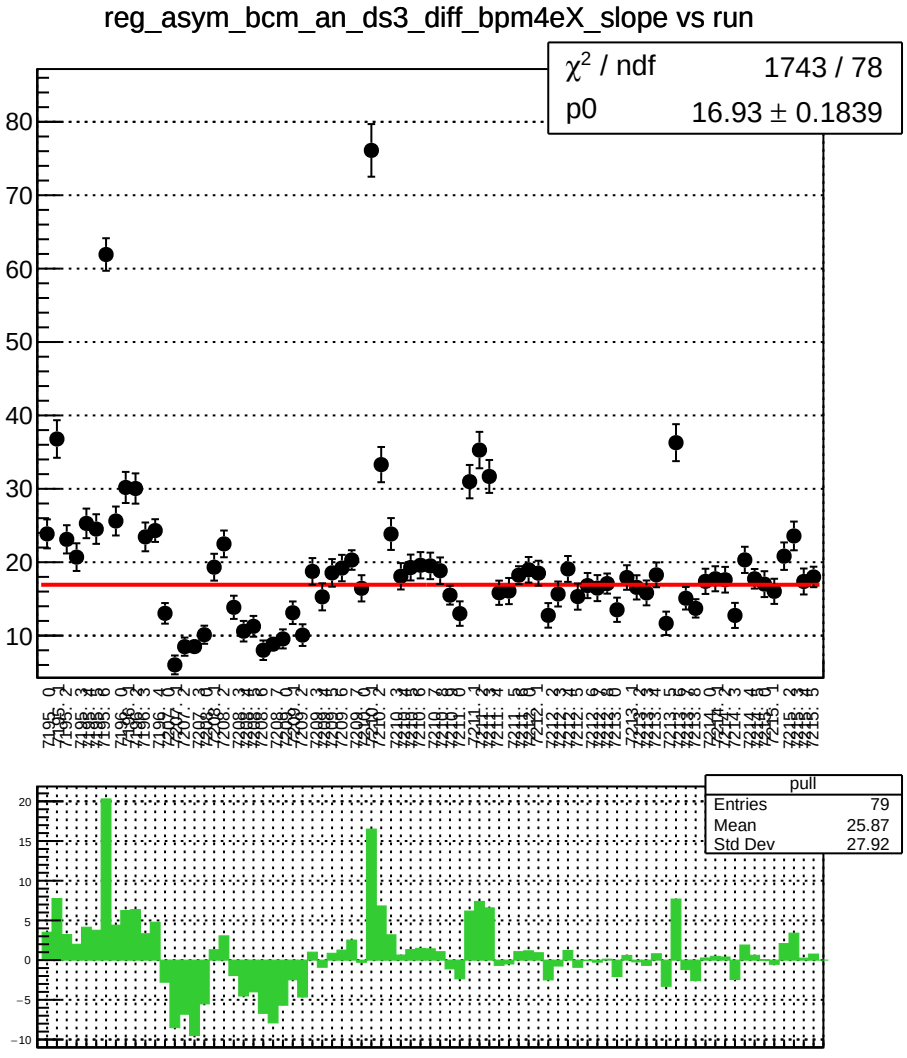


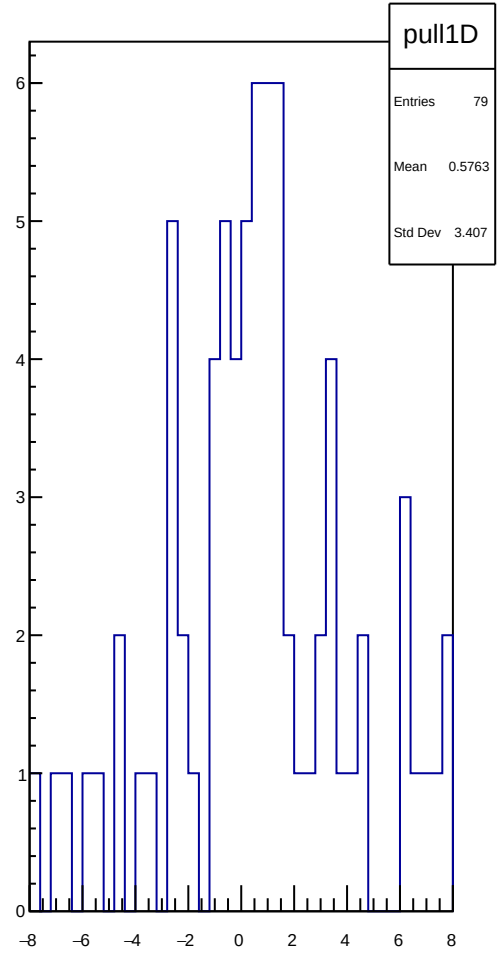


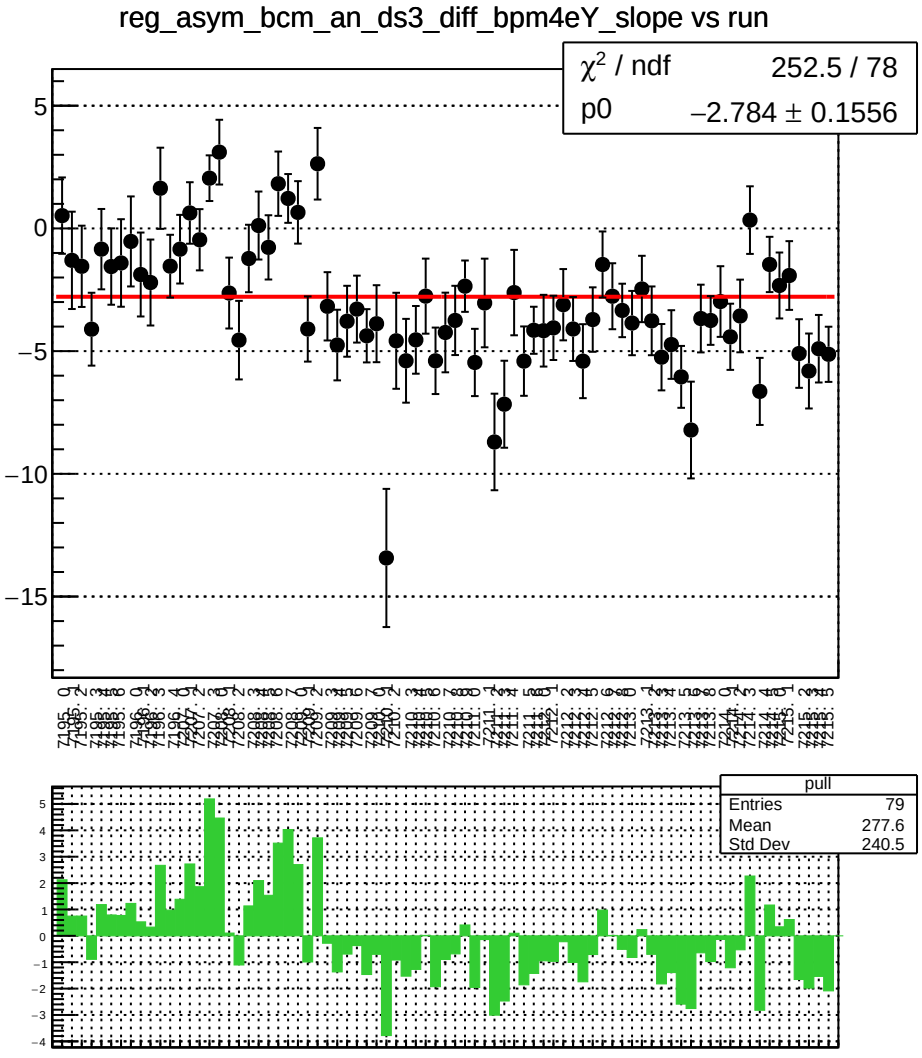

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 1775 / 78
p0 −17.1 ± 0.1827
pull
Entries 79
Mean 24.28
Std Dev 27.36

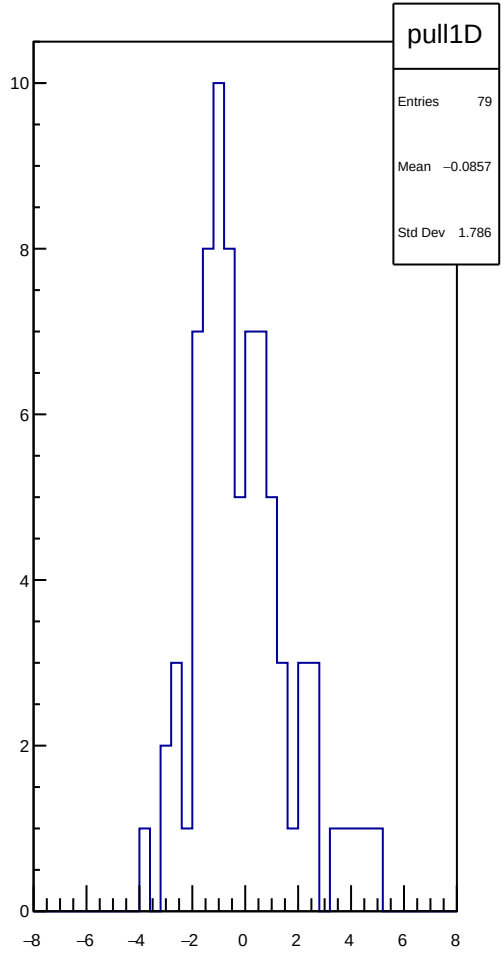

pull1D
Entries 79
Mean −0.4734
Std Dev 3.363

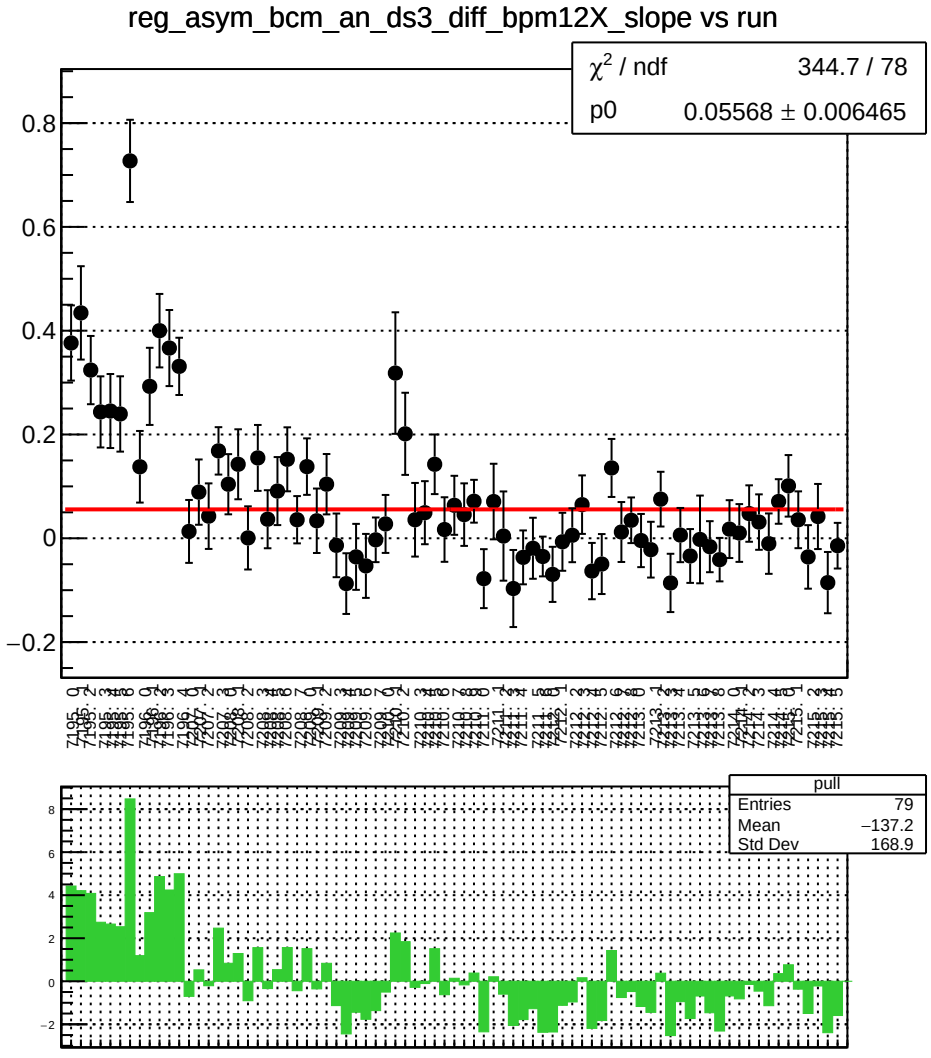

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 204.3 / 78
p0 1.746 ± 0.1403
pull
Entries 79
Mean 312.5
Std Dev 274.6
pull1D
Entries 79
Mean 0.06164
Std Dev 1.607

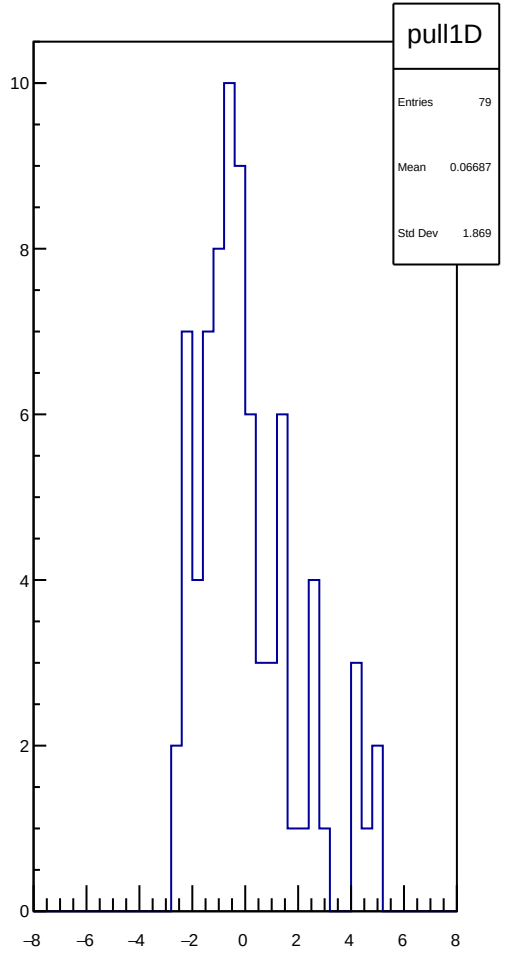

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1743 / 78
p0 16.93 ± 0.1839
pull
Entries 79
Mean 25.87
Std Dev 27.92

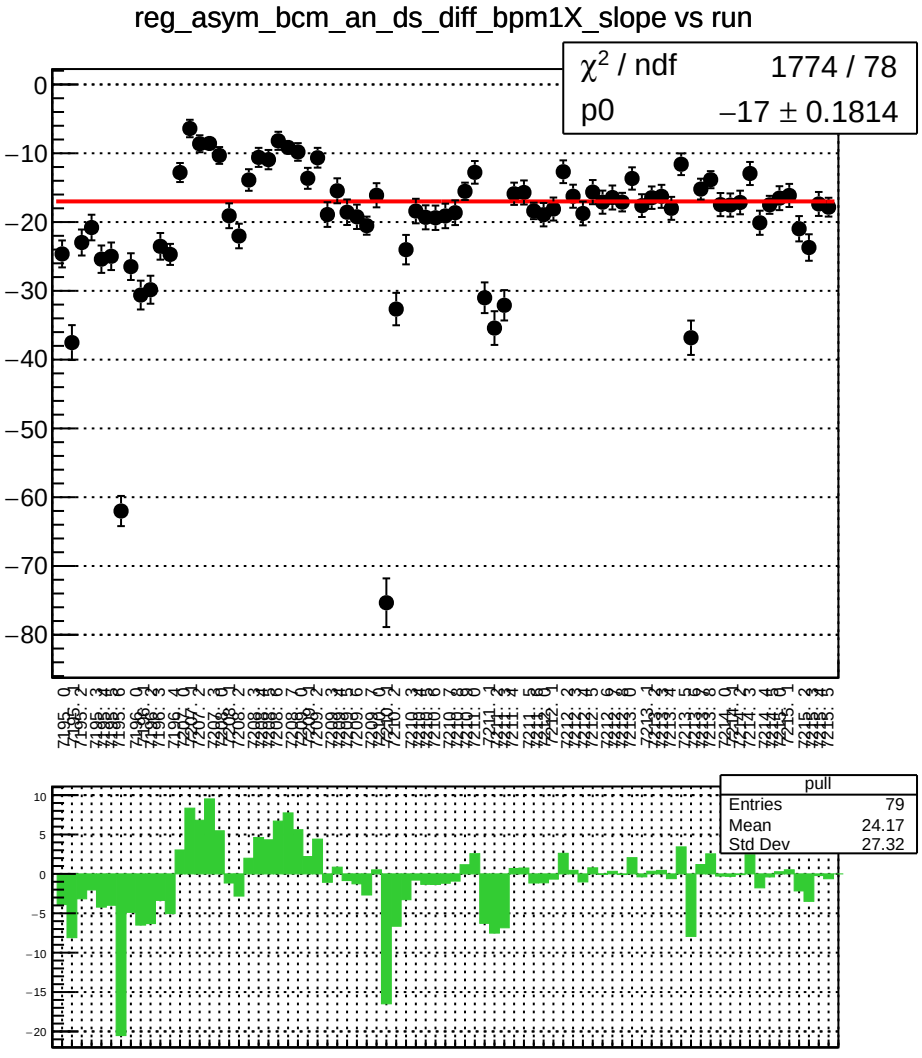

pull1D
Entries 79
Mean 0.5763
Std Dev 3.407

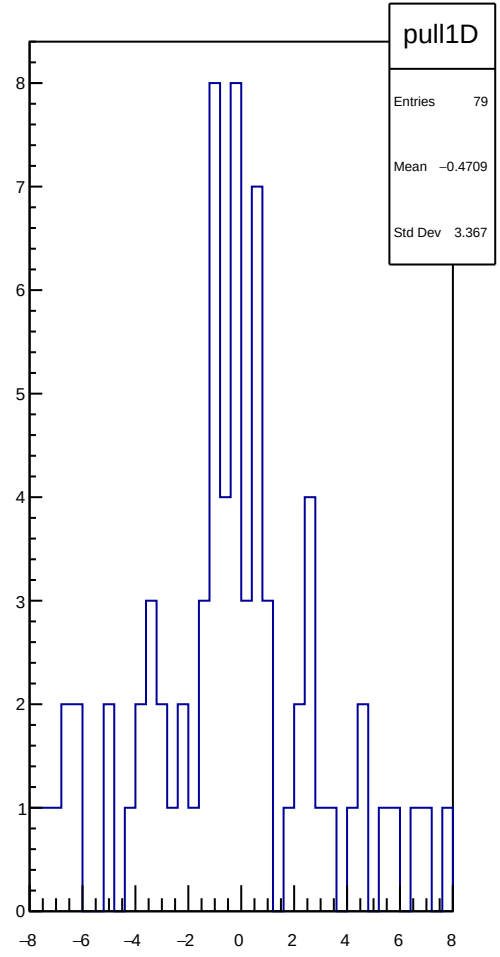

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 252.5 / 78
p0 −2.784 ± 0.1556
pull
Entries 79
Mean 277.6
Std Dev 240.5

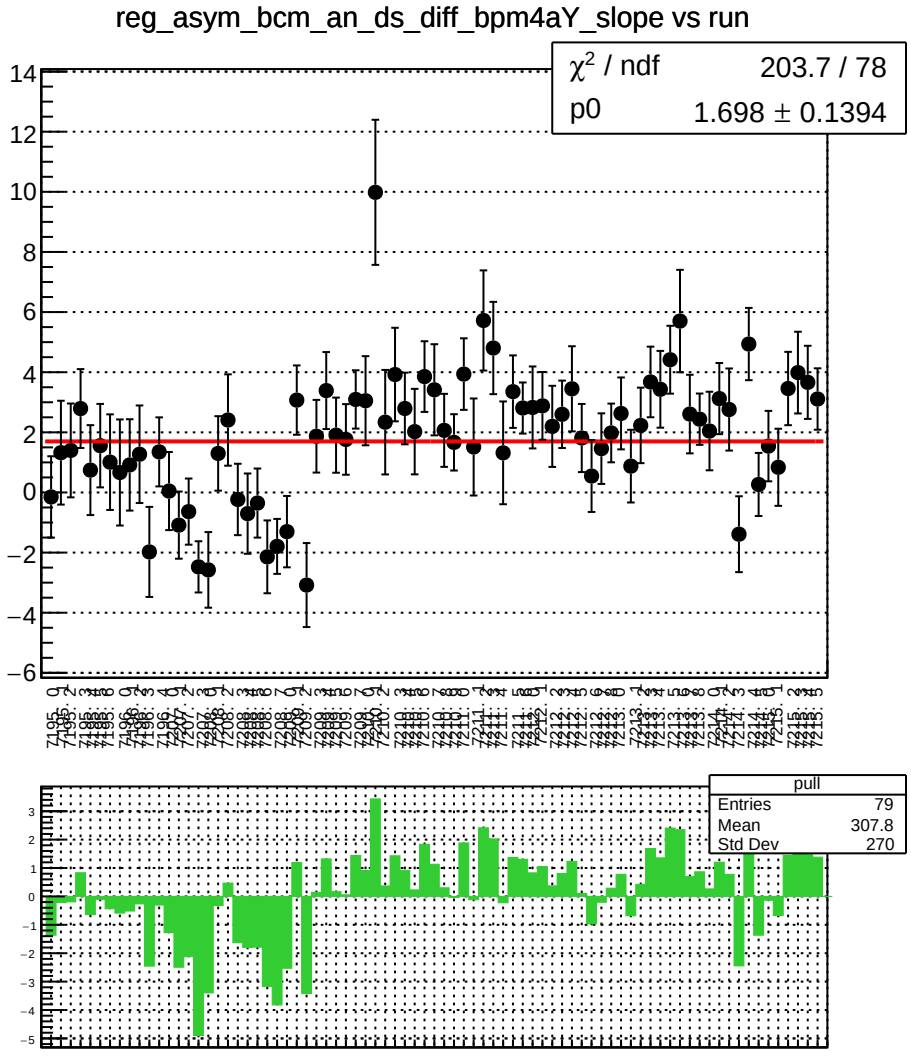

pull1D
Entries 79
Mean −0.0857
Std Dev 1.786

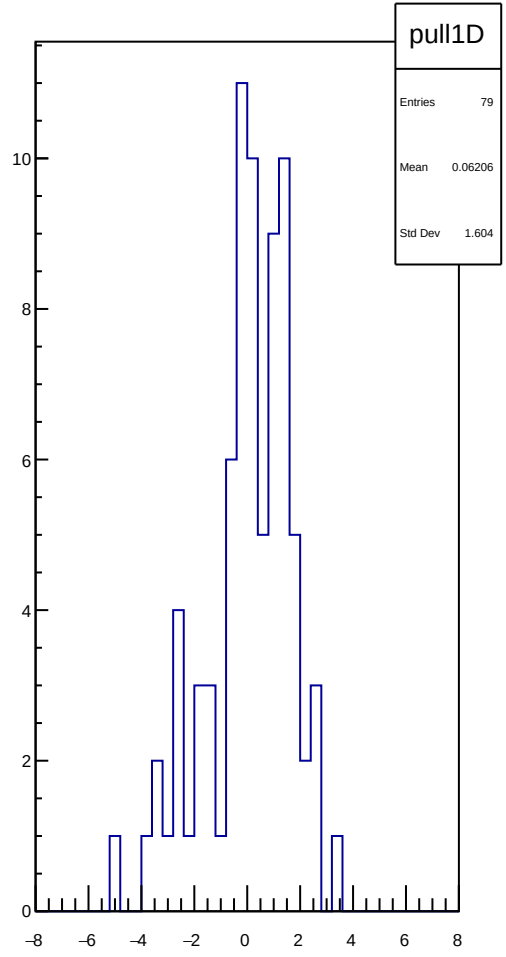

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 344.7 / 78
p0 0.05568 ± 0.006465
pull
Entries 79
Mean −137.2
Std Dev 168.9

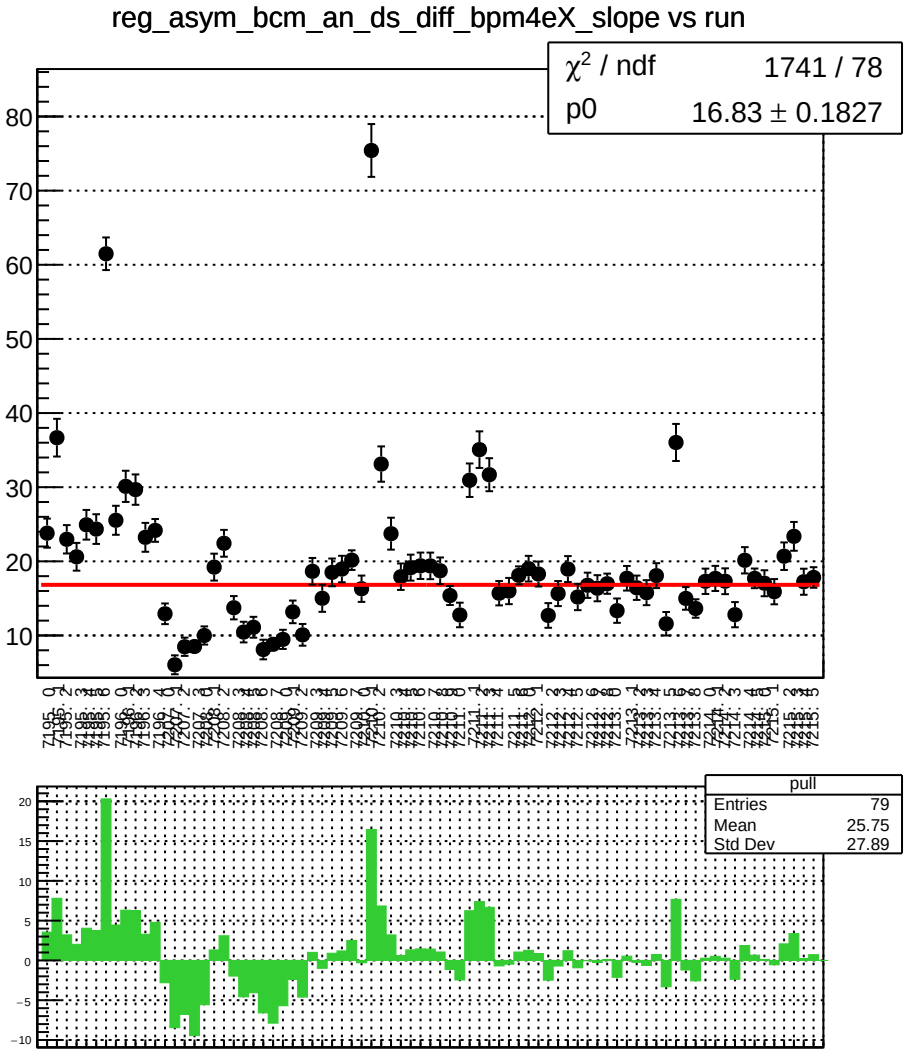

pull1D
Entries 79
Mean 0.06687
Std Dev 1.869

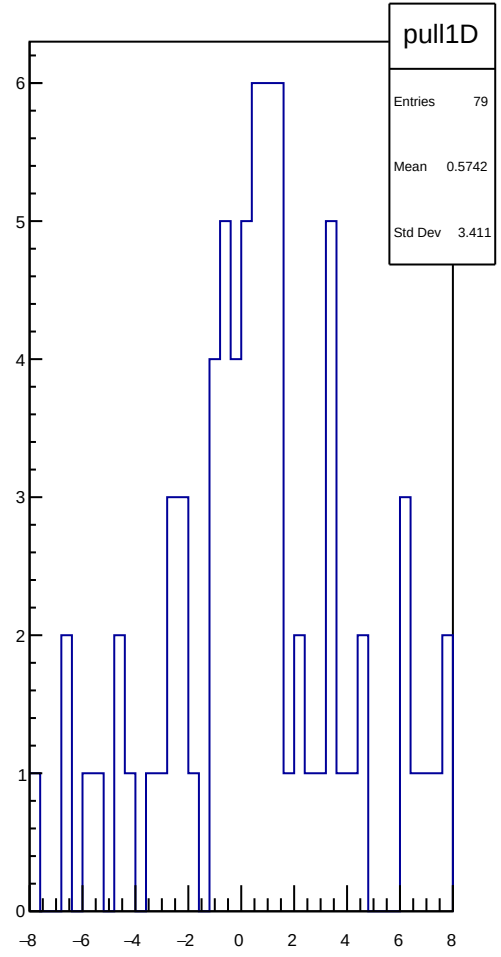

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1774 / 78
p0 −17 ± 0.1814
pull
Entries 79
Mean 24.17
Std Dev 27.32

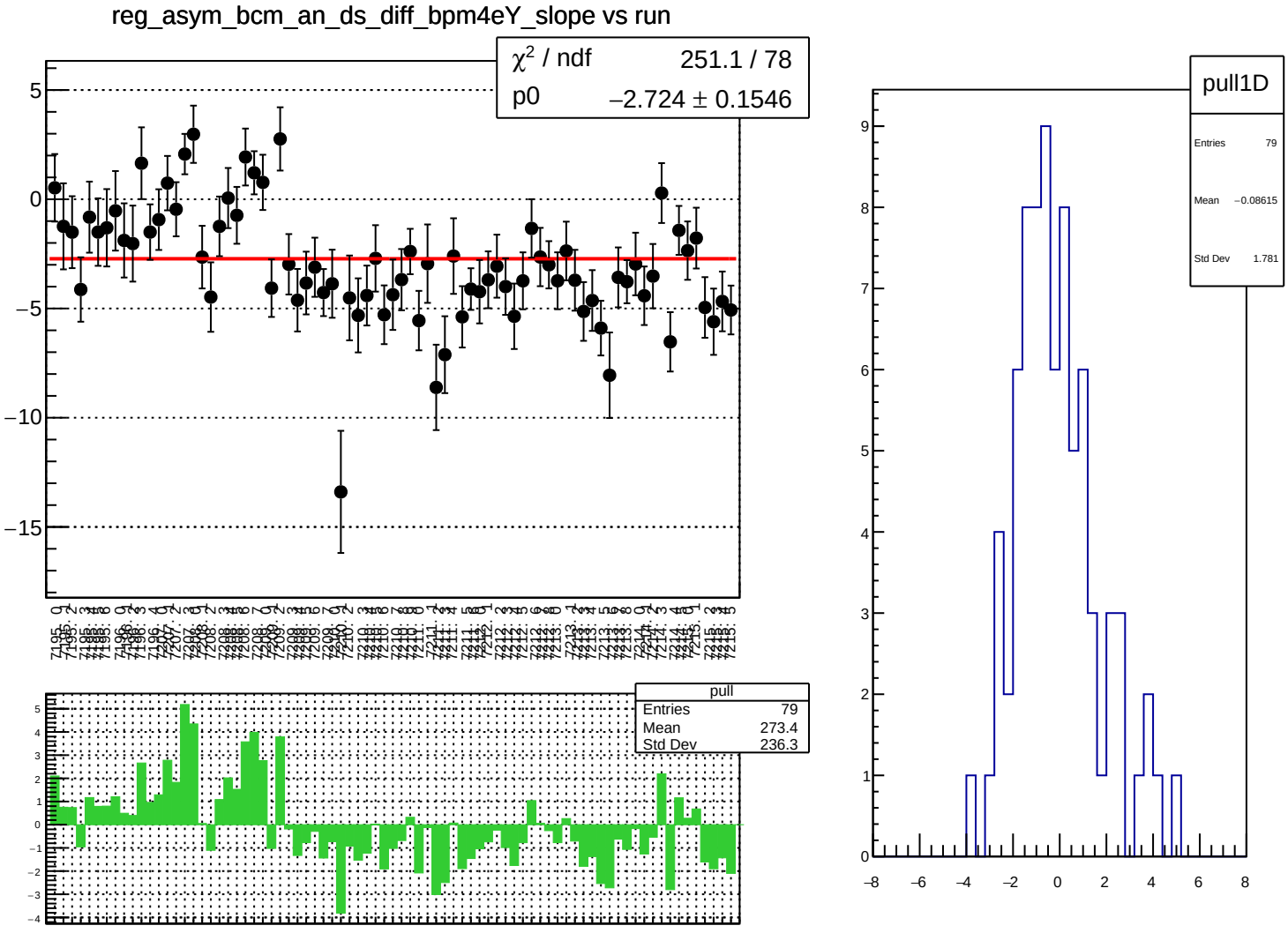

pull1D
Entries 79
Mean −0.4709
Std Dev 3.367

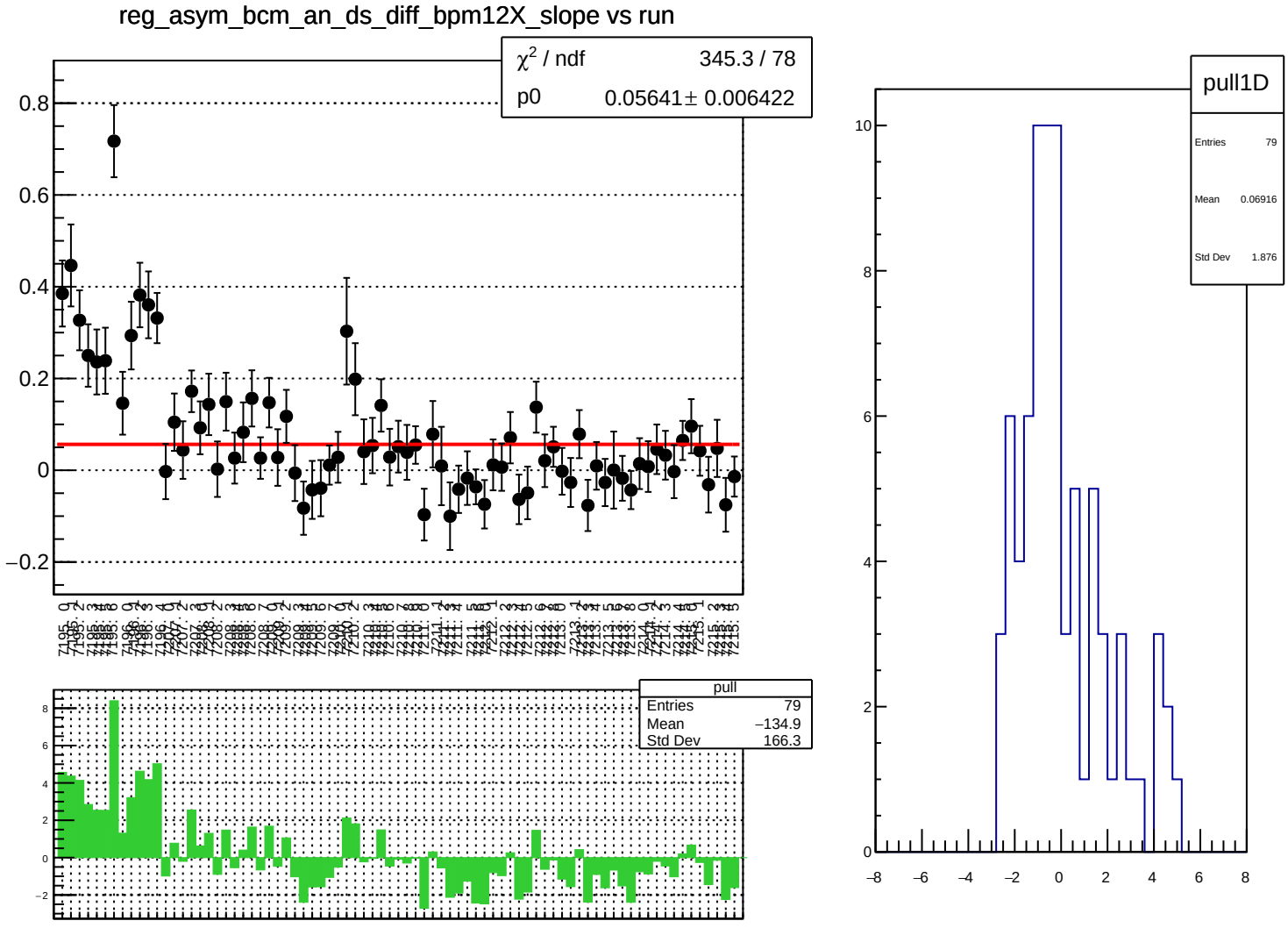

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 203.7 / 78
p0 1.698 ± 0.1394
pull
Entries 79
Mean 307.8
Std Dev 270

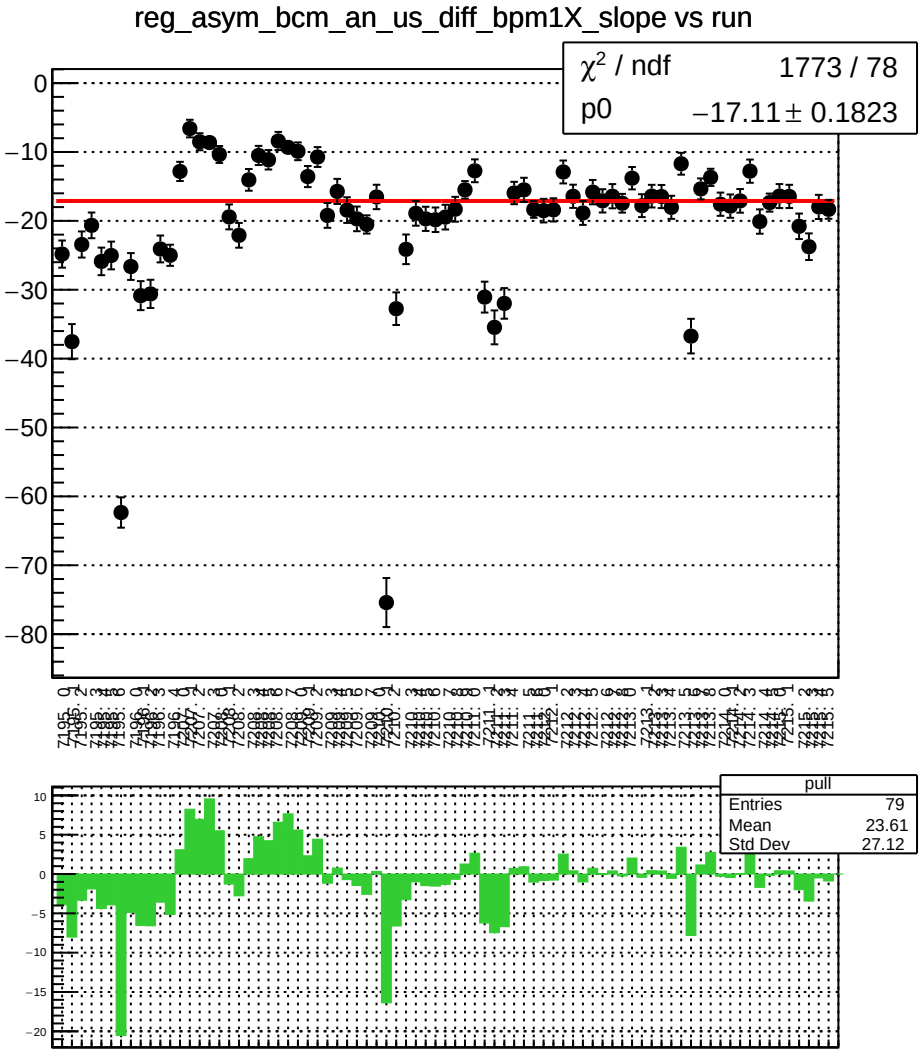

pull1D
Entries 79
Mean 0.06206
Std Dev 1.604

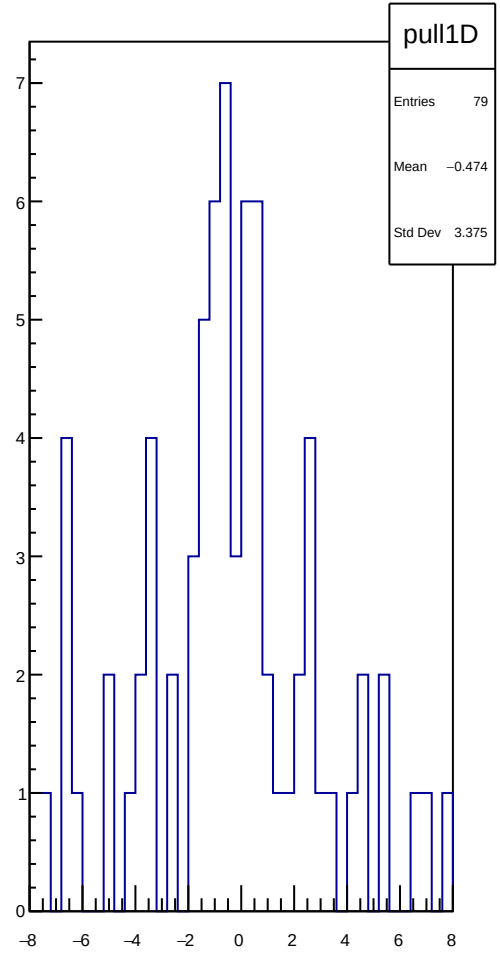

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1741 / 78
p0 16.83 ± 0.1827
pull
Entries 79
Mean 25.75
Std Dev 27.89

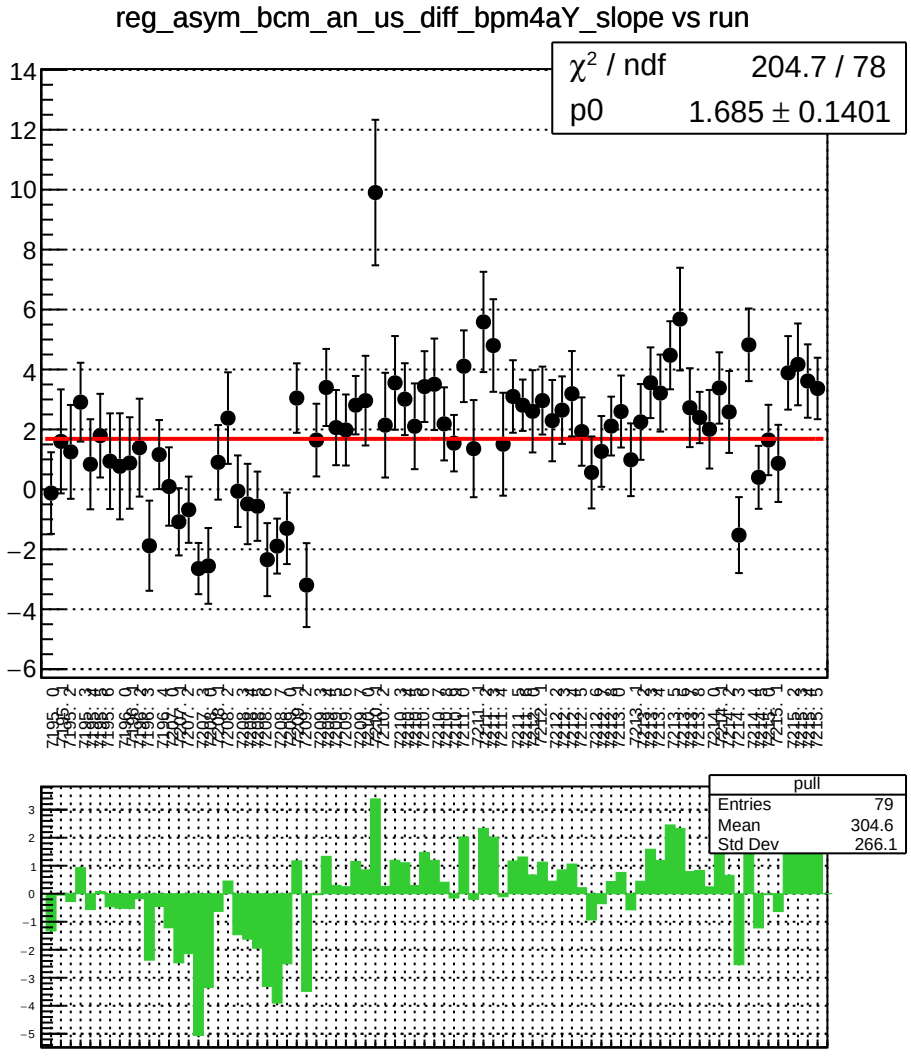

pull1D
Entries 79
Mean 0.5742
Std Dev 3.411

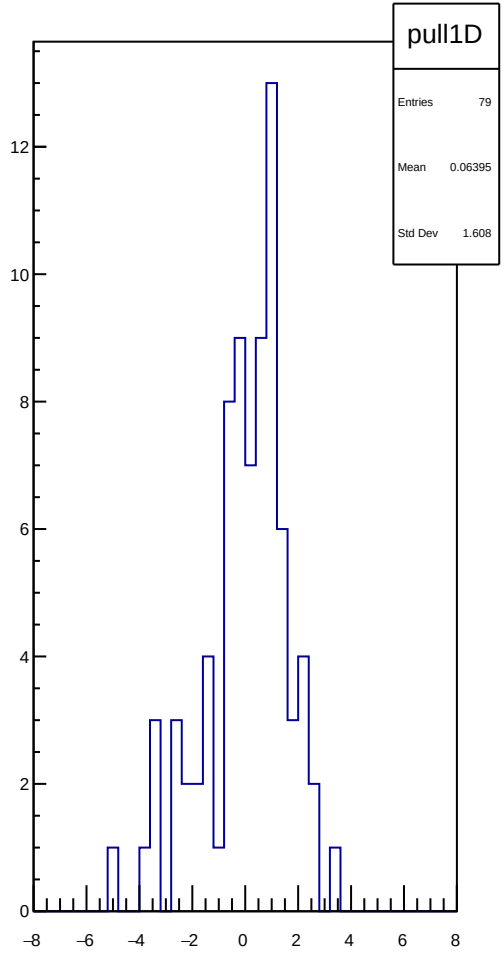

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 251.1 / 78
p0 −2.724 ± 0.1546
pull
Entries 79
Mean 273.4
Std Dev 236.3
pull1D
Entries 79
Mean −0.08615
Std Dev 1.781

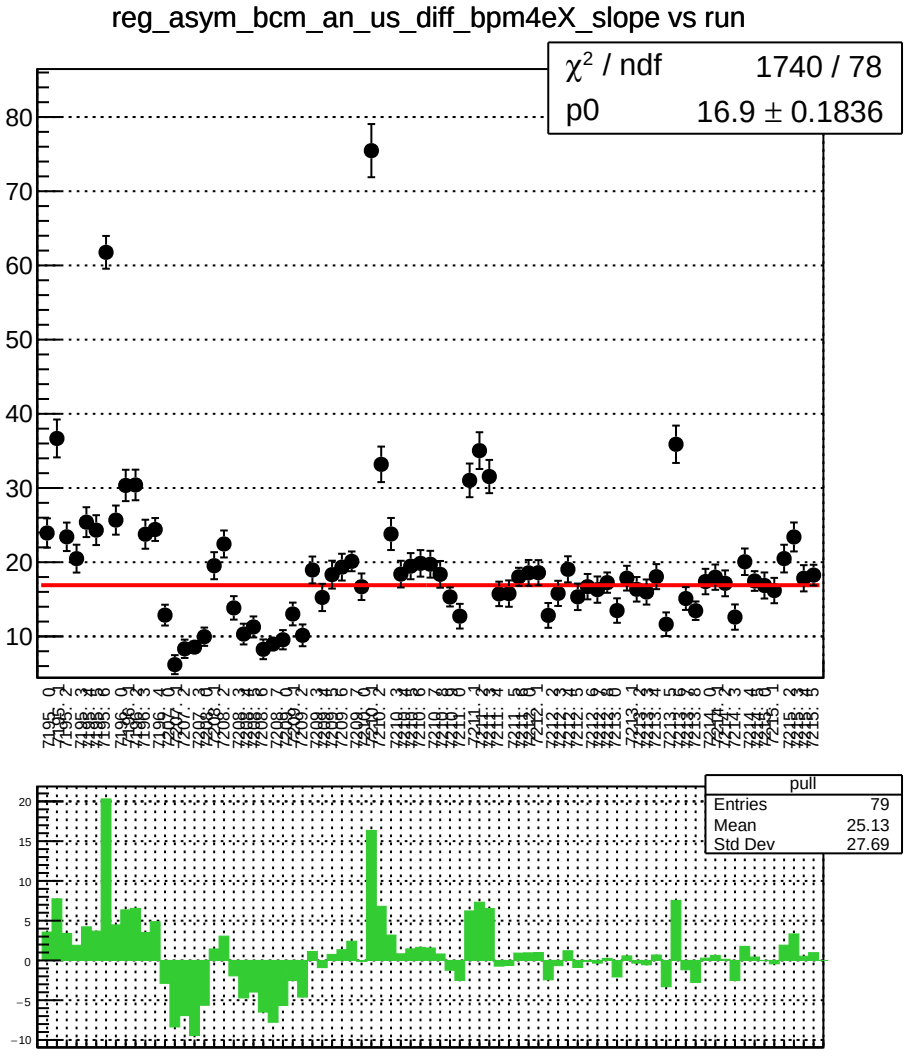

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 345.3 / 78
p0 0.05641 ± 0.006422
pull
Entries 79
Mean −134.9
Std Dev 166.3
pull1D
Entries 79
Mean 0.06916
Std Dev 1.876

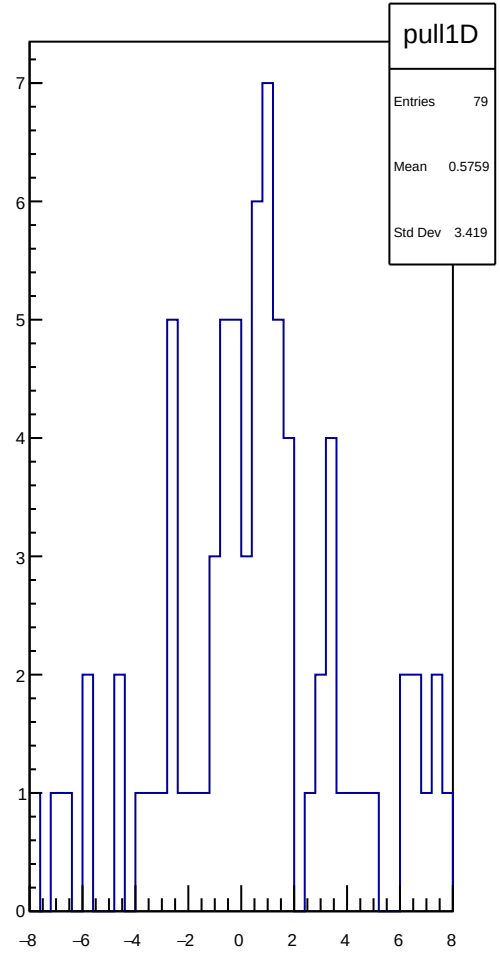

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 1773 / 78
p0 −17.11 ± 0.1823
pull
Entries 79
Mean 23.61
Std Dev 27.12

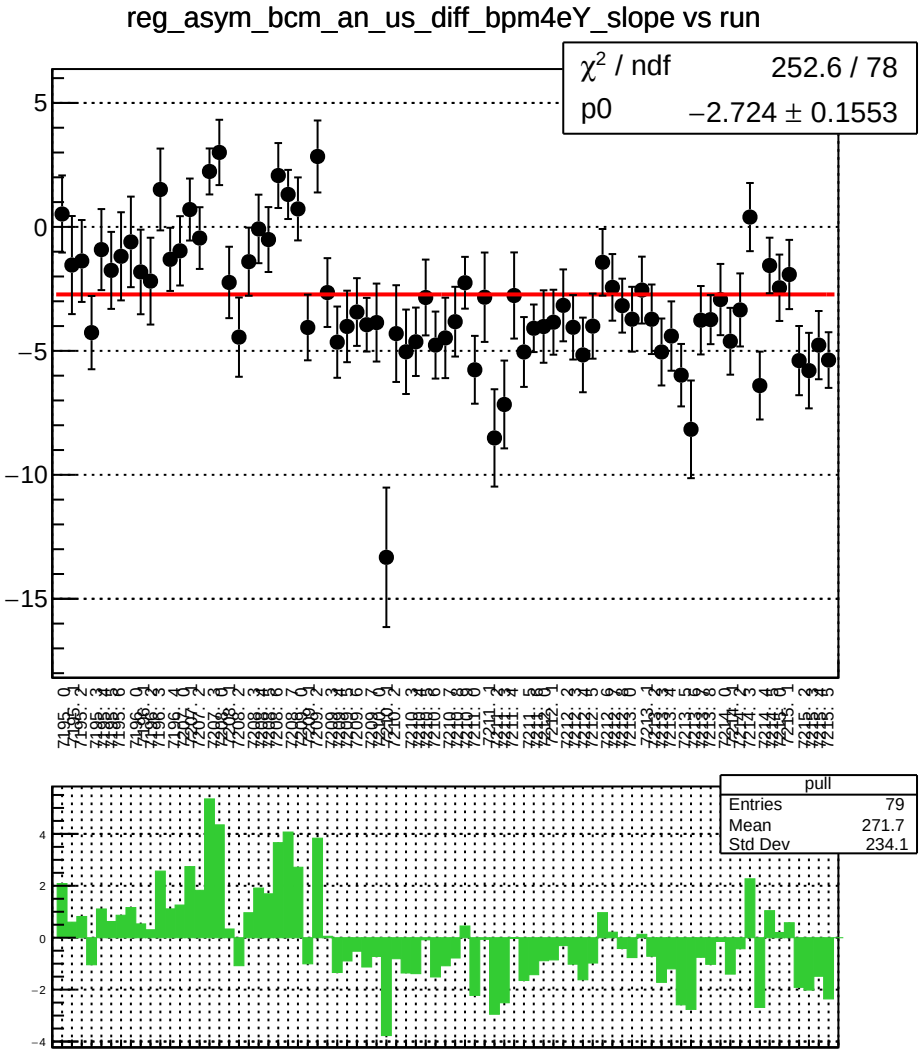

pull1D
Entries 79
Mean −0.474
Std Dev 3.375

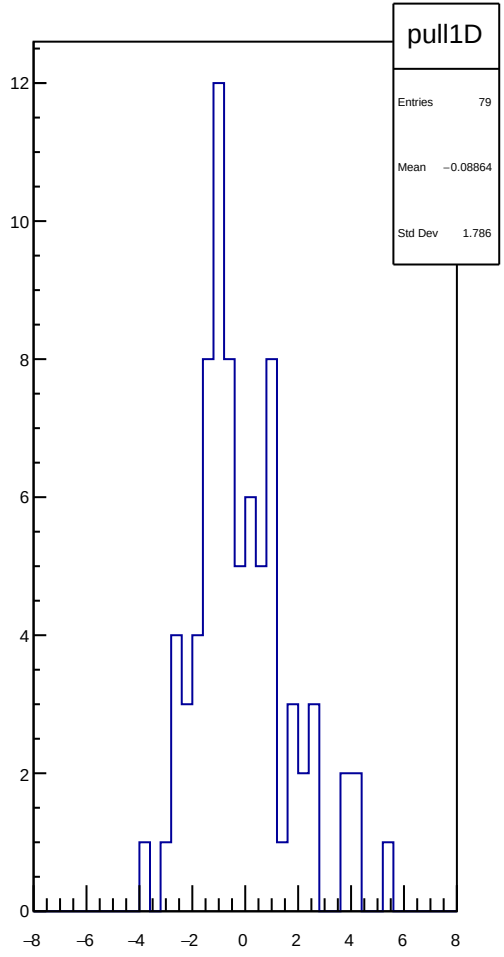

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 204.7 / 78
p0 1.685 ± 0.1401
pull
Entries 79
Mean 304.6
Std Dev 266.1

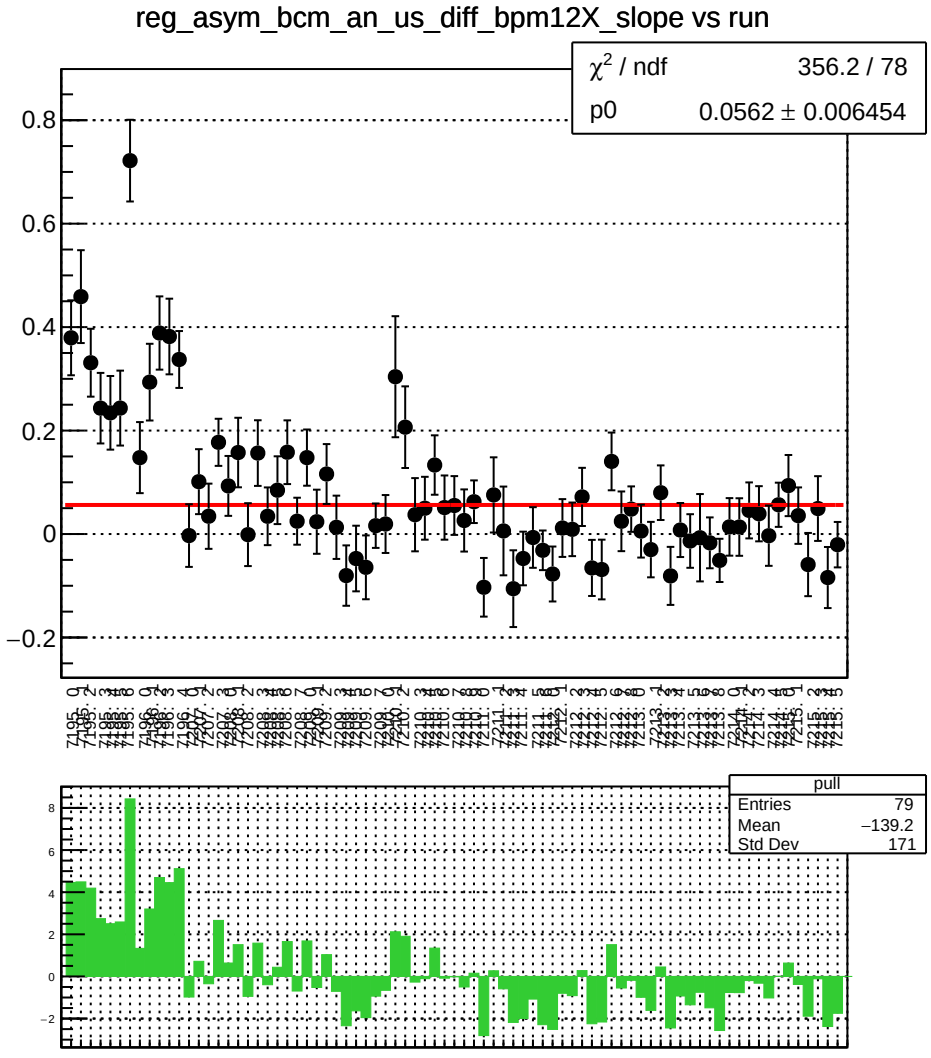

pull1D
Entries 79
Mean 0.06395
Std Dev 1.608

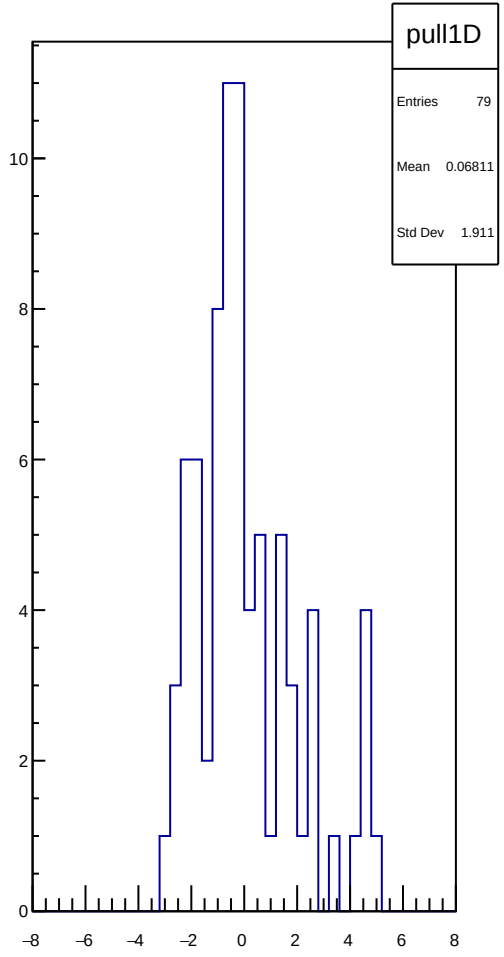

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1740 / 78
p0 16.9 ± 0.1836
pull
Entries 79
Mean 25.13
Std Dev 27.69

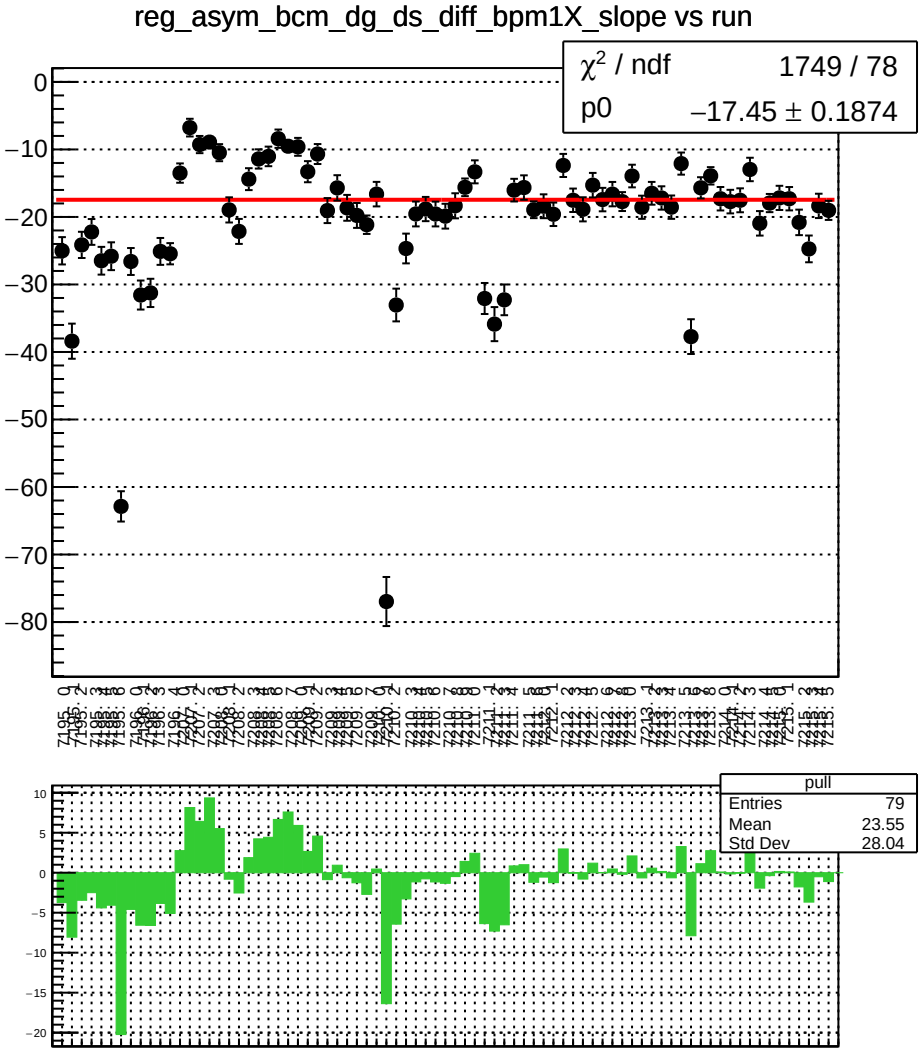

pull1D
Entries 79
Mean 0.5759
Std Dev 3.419

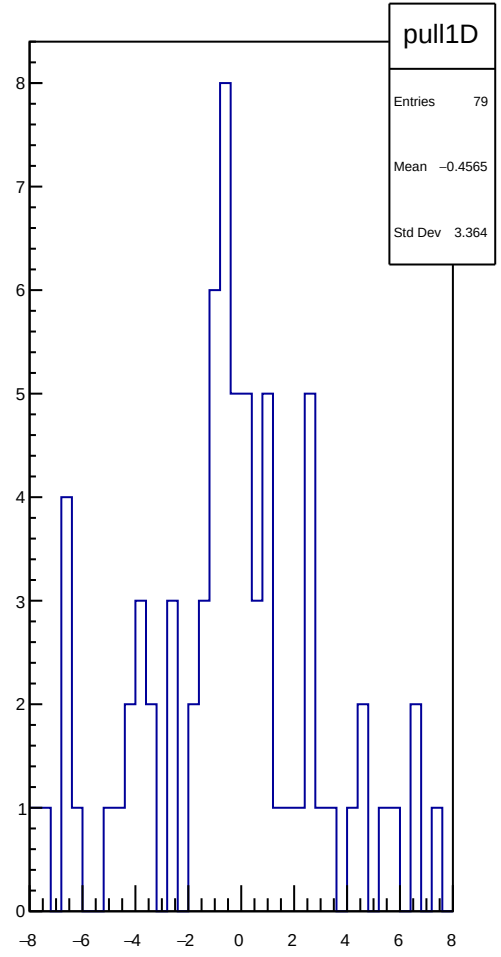

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 252.6 / 78
p0 −2.724 ± 0.1553
pull
Entries 79
Mean 271.7
Std Dev 234.1

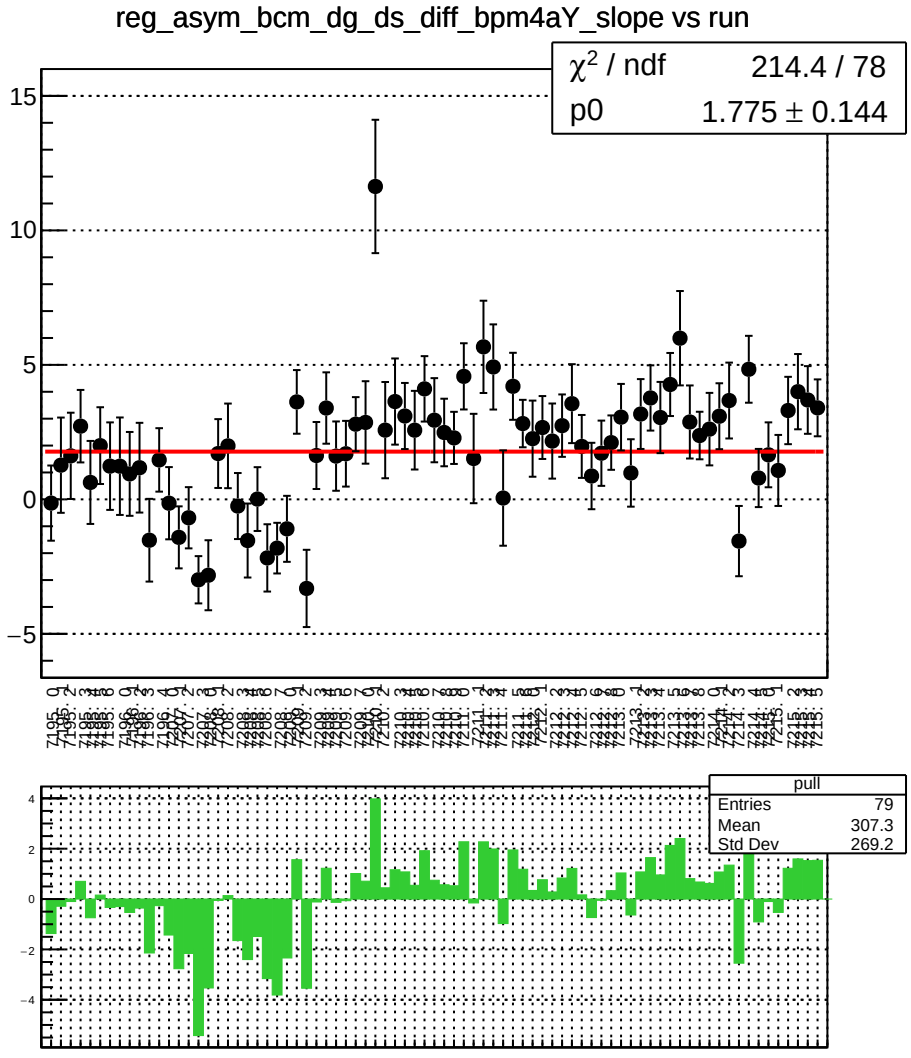

pull1D
Entries 79
Mean −0.08864
Std Dev 1.786

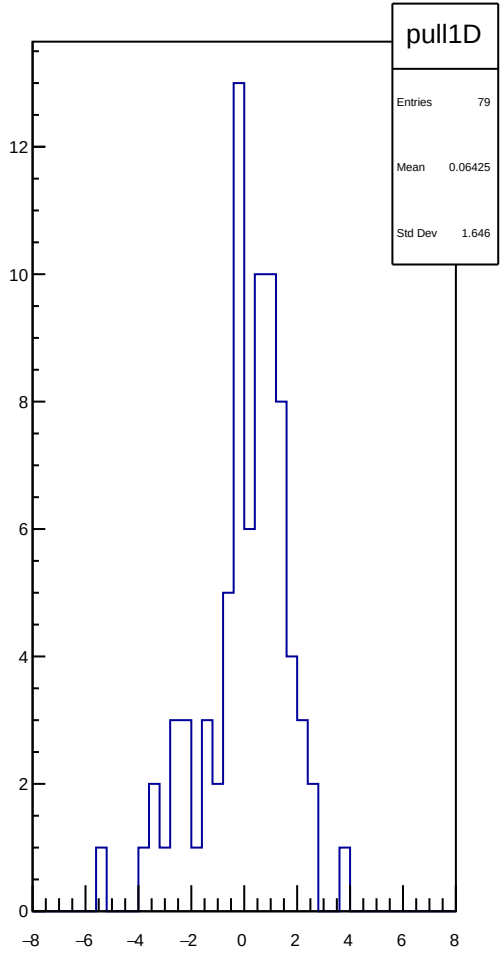

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 356.2 / 78
p0 0.0562 ± 0.006454
pull
Entries 79
Mean −139.2
Std Dev 171

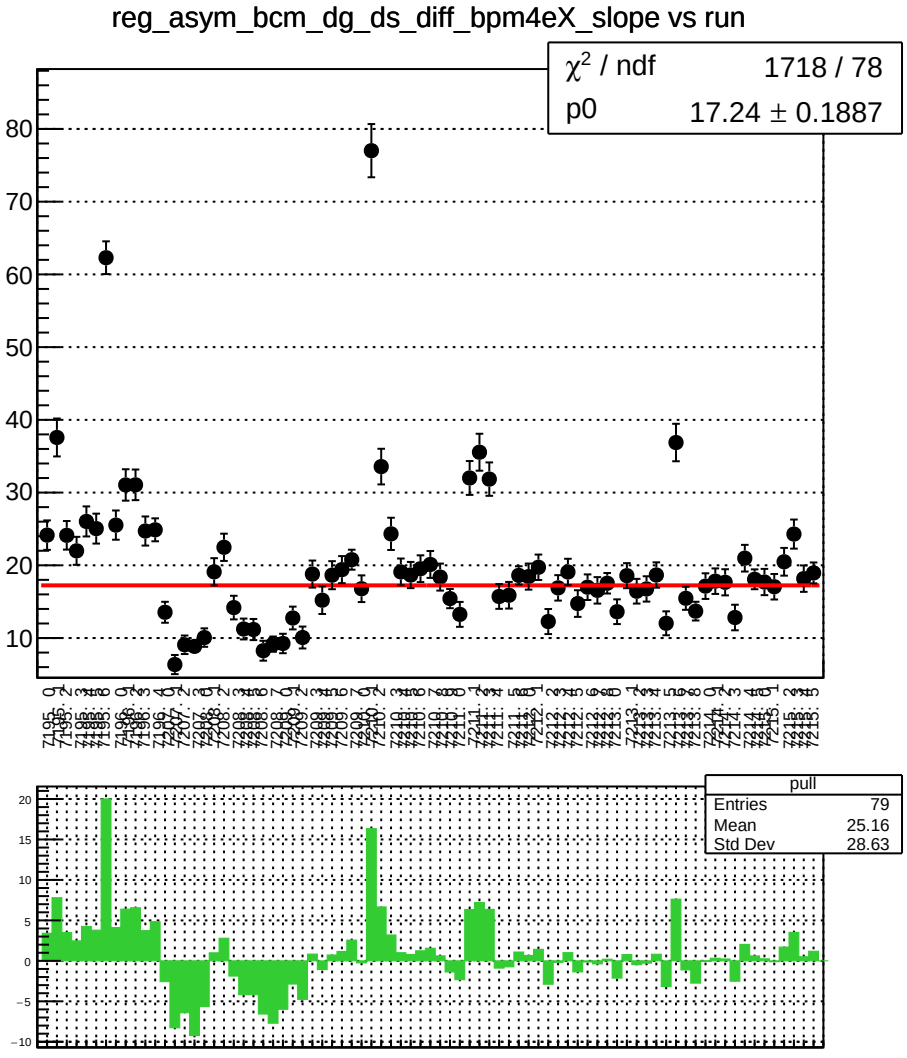

pull1D
Entries 79
Mean 0.06811
Std Dev 1.911

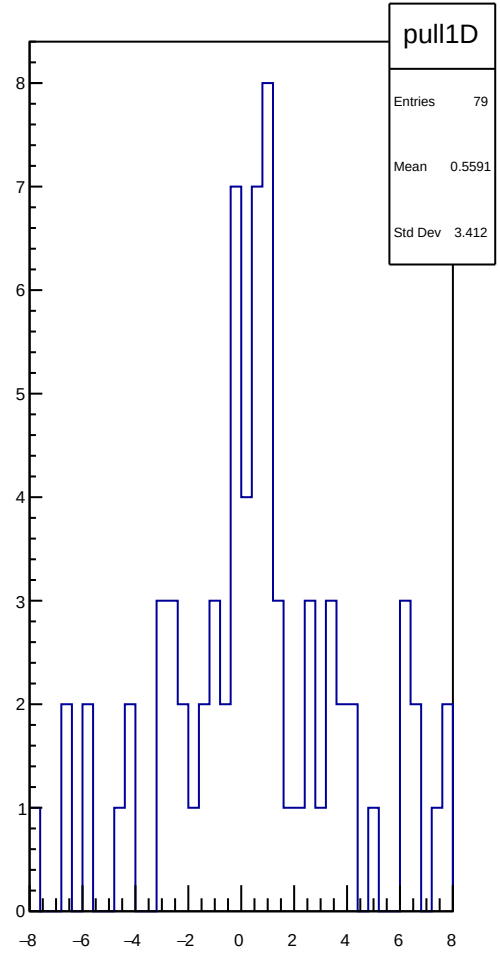

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1749 / 78
p0 −17.45 ± 0.1874
pull
Entries 79
Mean 23.55
Std Dev 28.04

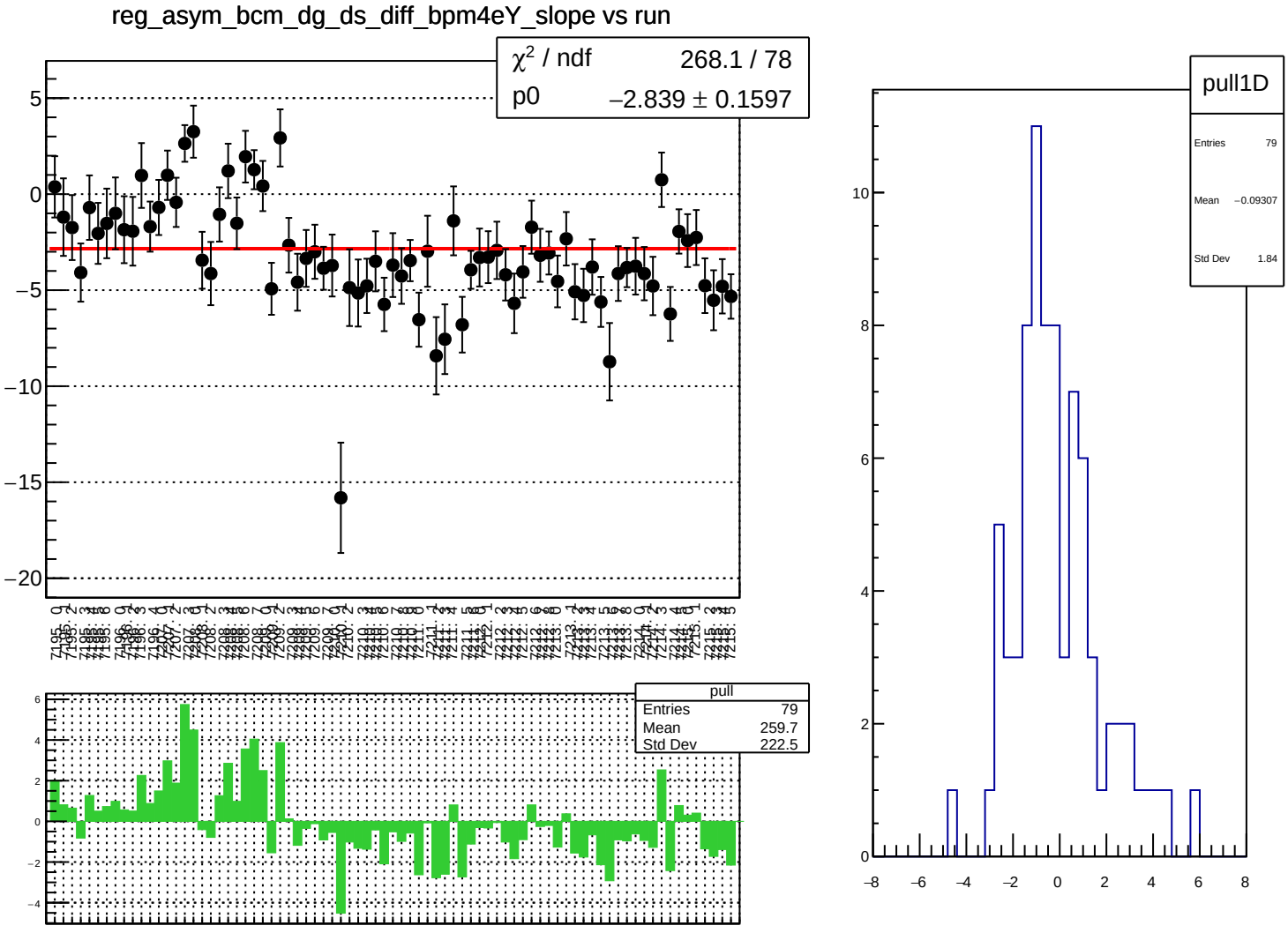

pull1D
Entries 79
Mean −0.4565
Std Dev 3.364

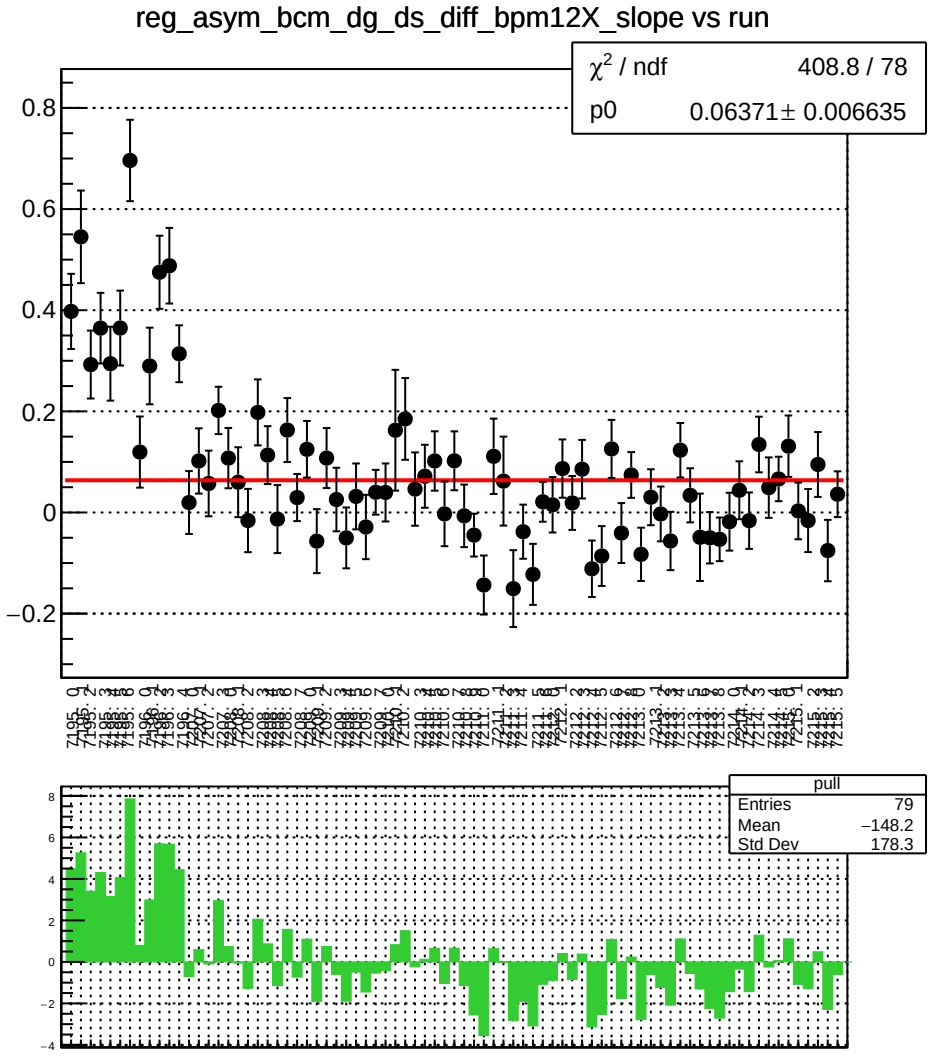

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 214.4 / 78
p0 1.775 ± 0.144
pull
Entries 79
Mean 307.3
Std Dev 269.2

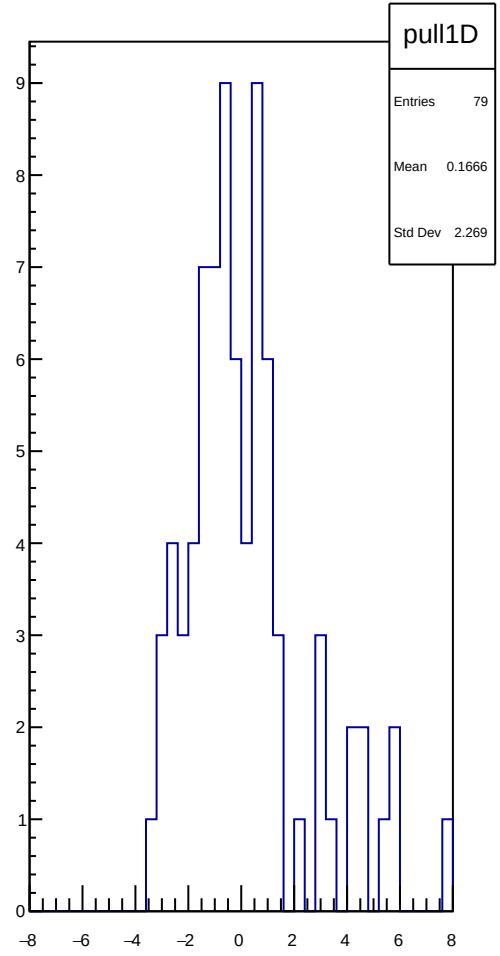

pull1D
Entries 79
Mean 0.06425
Std Dev 1.646

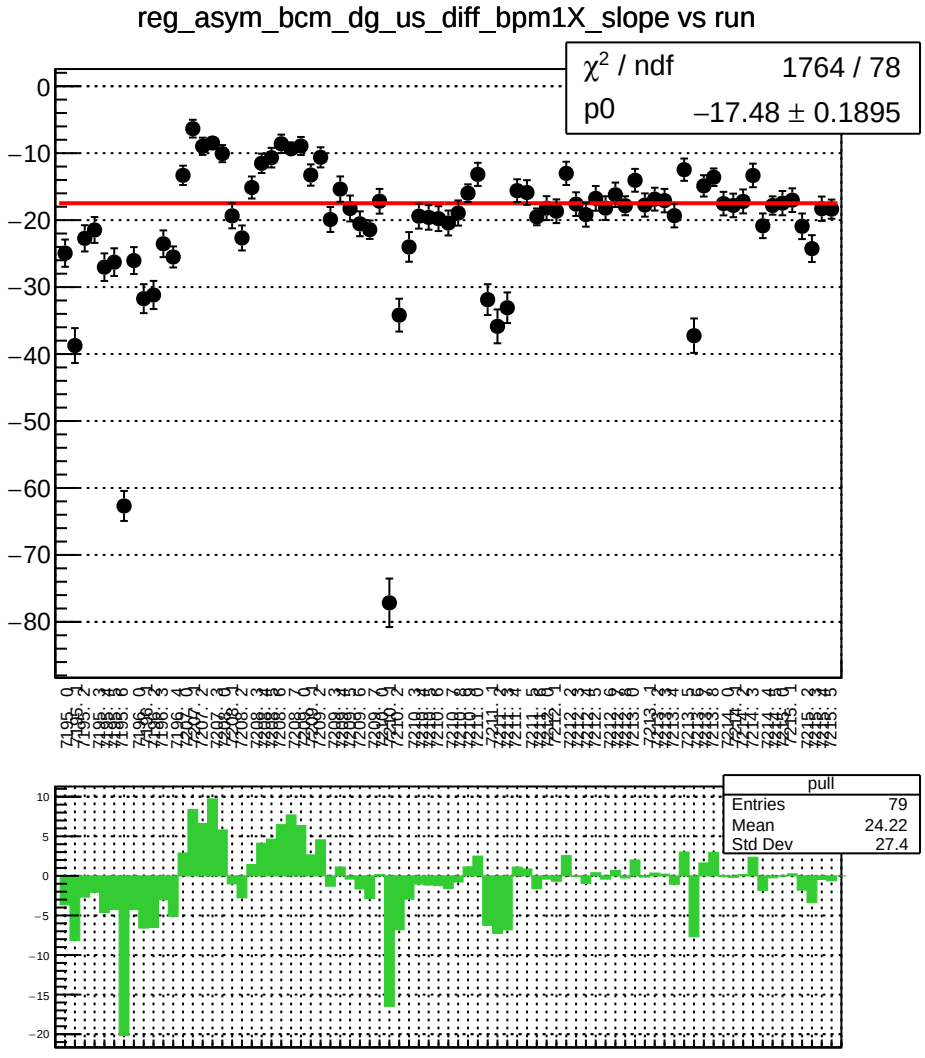

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1718 / 78
p0 17.24 ± 0.1887
pull
Entries 79
Mean 25.16
Std Dev 28.63

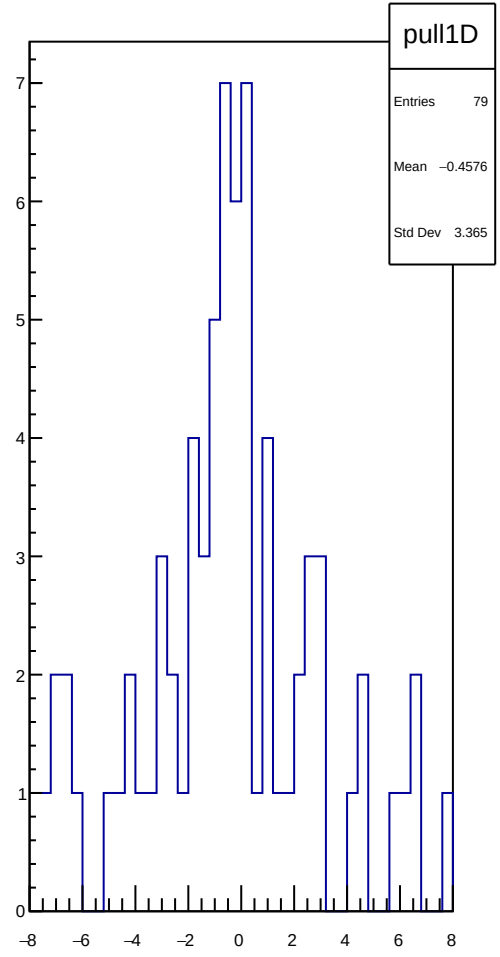

pull1D
Entries 79
Mean 0.5591
Std Dev 3.412

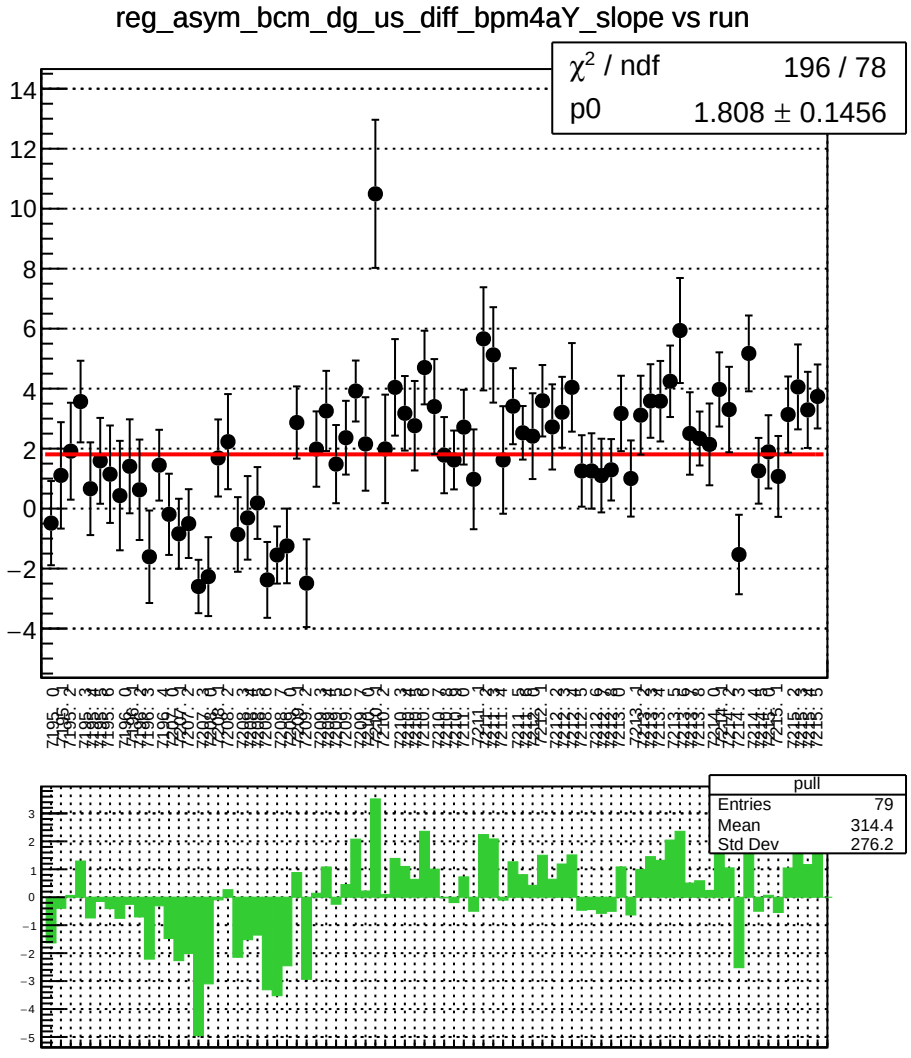

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 268.1 / 78
p0 −2.839 ± 0.1597
pull
Entries 79
Mean 259.7
Std Dev 222.5
pull1D
Entries 79
Mean −0.09307
Std Dev 1.84

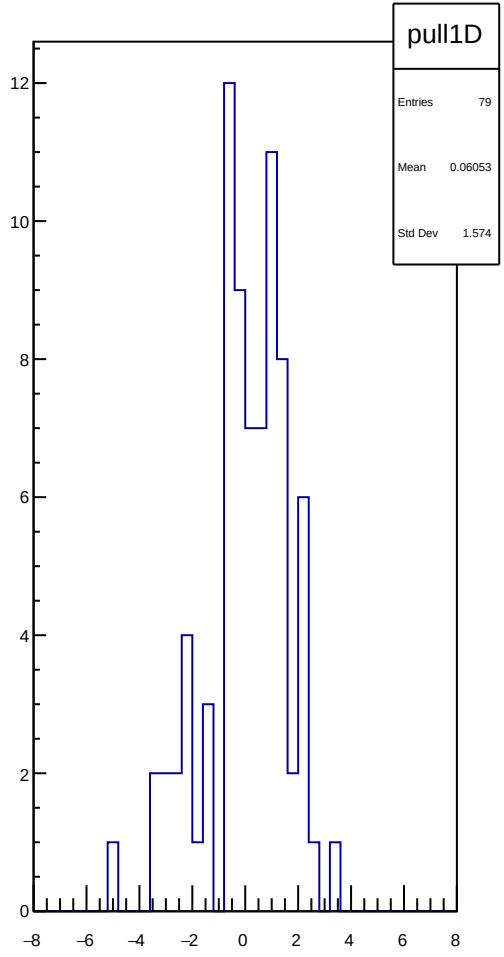

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 408.8 / 78
p0 0.06371 ± 0.006635
pull
Entries 79
Mean −148.2
Std Dev 178.3

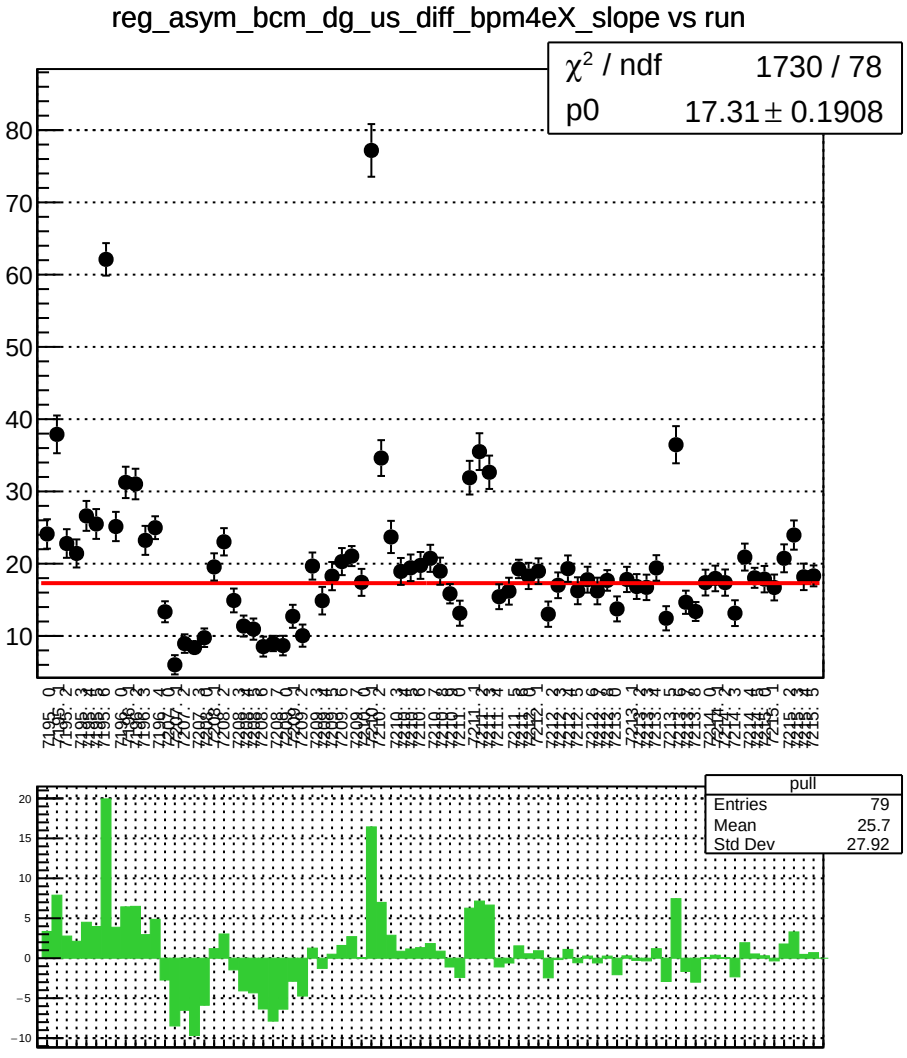

pull1D
Entries 79
Mean 0.1666
Std Dev 2.269

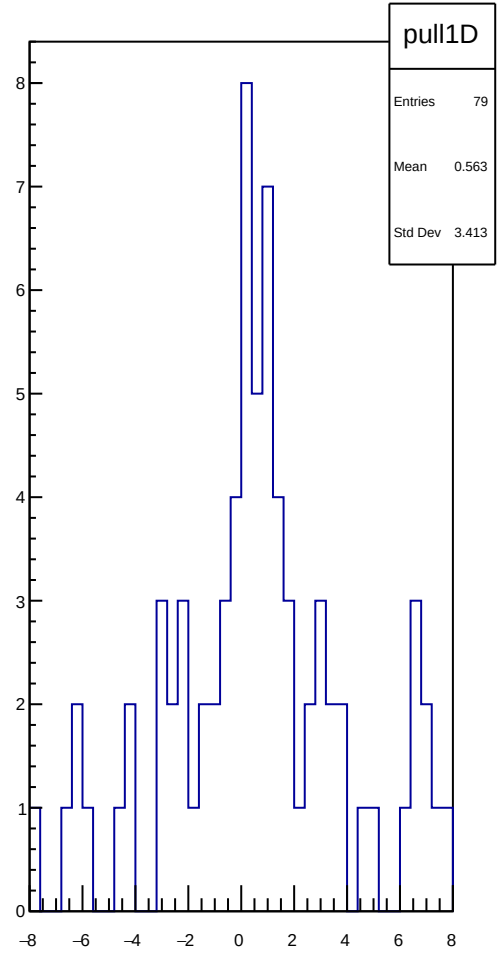

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1764 / 78
p0 −17.48 ± 0.1895
pull
Entries 79
Mean 24.22
Std Dev 27.4

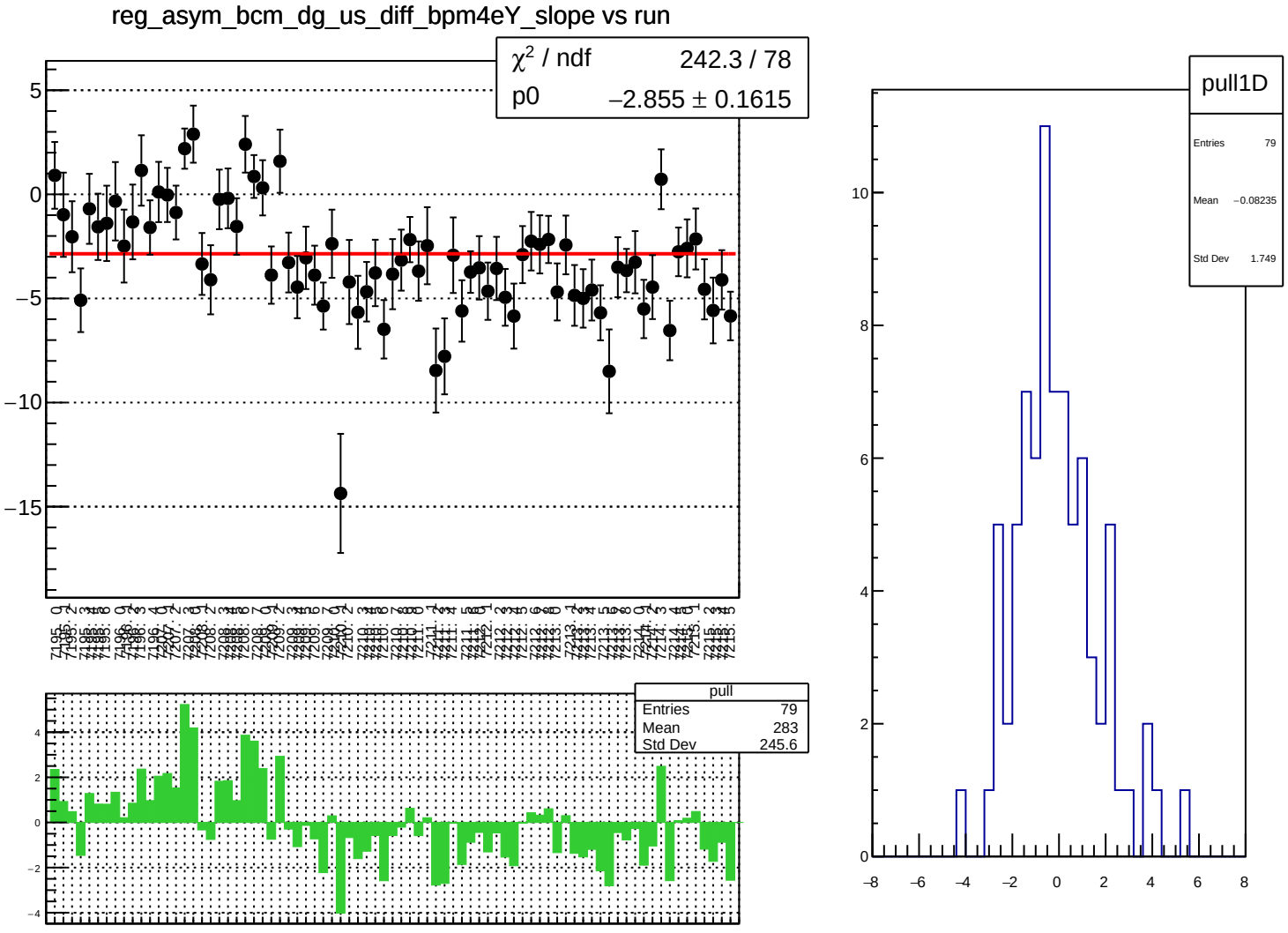

pull1D
Entries 79
Mean −0.4576
Std Dev 3.365

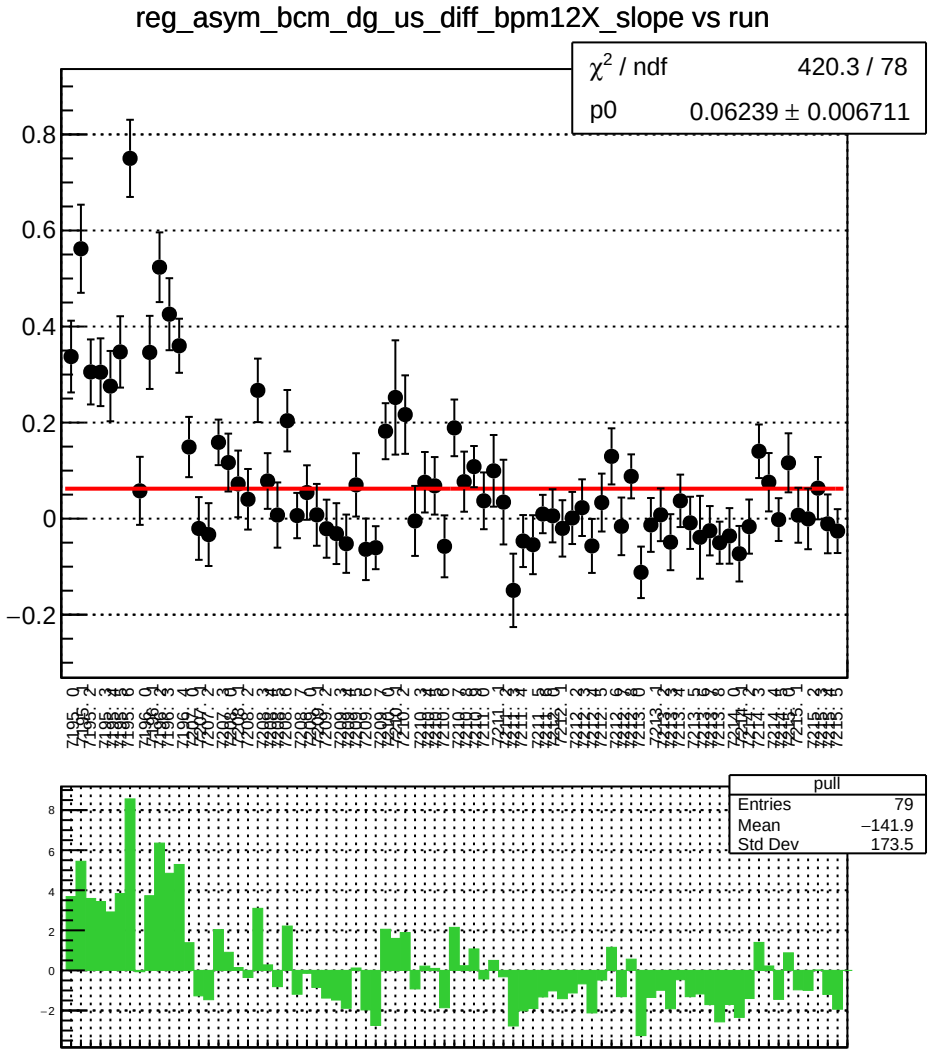

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 196 / 78
p0 1.808 ± 0.1456
pull
Entries 79
Mean 314.4
Std Dev 276.2

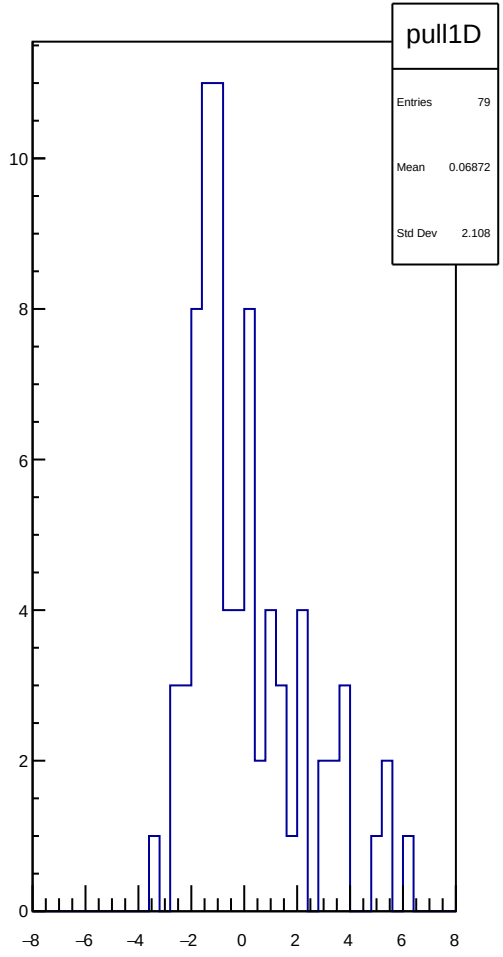

pull1D
Entries 79
Mean 0.06053
Std Dev 1.574


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1730 / 78
p0 17.31 ± 0.1908
pull
Entries 79
Mean 25.7
Std Dev 27.92


pull1D
Entries 79
Mean 0.563
Std Dev 3.413


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 242.3 / 78
p0 −2.855 ± 0.1615
pull
Entries 79
Mean 283
Std Dev 245.6
pull1D
Entries 79
Mean −0.08235
Std Dev 1.749


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 420.3 / 78
p0 0.06239 ± 0.006711
pull
Entries 79
Mean −141.9
Std Dev 173.5


pull1D
Entries 79
Mean 0.06872
Std Dev 2.108