dit_asym_us_avg_mean vs run
χ² / ndf 73.01 / 85
p0 −1413 ± 862.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −249.8
Std Dev 289.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.01511
Std Dev 0.9213
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_avg_rms vs run

asym_us_avg_correction_mean vs run
χ² / ndf 98.9 / 85
p0 −348 ± 2012
pull
Entries 86
Mean −63.41
Std Dev 120.6
pull1D
Entries 86
Mean 0.004822
Std Dev 1.072

asym_us_avg_correction_rms vs run

asym_us_avg_mean vs run
×10^3
χ² / ndf 98.54 / 85
p0 −1108 ± 2209
pull
Entries 86
Mean −200.2
Std Dev 243.5

pull1D
Entries 86
Mean −0.009196
Std Dev 1.07

asym_us_avg_rms vs run
χ² / ndf 3200 / 85
p0 2009 ± 1.562
2300
2200
2100
2000
1900
1800

dit_asym_us_dd_mean vs run
χ² / ndf 80.65 / 85
p0 −16.78 ± 844.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −180.5
Std Dev 225.3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.01905
Std Dev 0.9682
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 103.8 / 85
p0 768.5 ± 0.5971
790
780
770
760
750
740

asym_us_dd_correction_mean vs run
χ^2 / ndf 112.4 / 85
p0 1156 ± 2361
×10^3
100
50
0
−50
−100
pull
Entries 86
Mean −210.1
Std Dev 254.1
2
1
0
−1
−2
−3
−4

pull1D
Entries 86
Mean 0.0142
Std Dev 1.143
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_dd_correction_rms vs run

asym_us_dd_mean vs run
χ² / ndf 106.9 / 85
p0 669 ± 1997
pull
Entries 86
Mean −222
Std Dev 267.9
pull1D
Entries 86
Mean 0.01091
Std Dev 1.115

asym_us_dd_rms vs run
χ² / ndf 1851 / 85
p0 1816 ± 1.412
2000
1950
1900
1850
1800
1750
1700
1650

dit_asym_usl_mean vs run
χ² / ndf 54.35 / 85
p0 −1417 ± 1208
pull
Entries 86
Mean 115.8
Std Dev 148.8
pull1D
Entries 86
Mean 0.002012
Std Dev 0.7949

dit_asym_usl_rms vs run

asym_usl_correction_mean vs run
χ² / ndf 91.95 / 85
p0 −970.3 ± 1373
pull
Entries 86
Mean 1434
Std Dev 1396
pull1D
Entries 86
Mean 0.0007109
Std Dev 1.034

asym_usl_correction_rms vs run

asym_usl_mean vs run
χ² / ndf 74.81 / 85
p0 −555.1± 1829
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −108.8
Std Dev 163.1
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.003896
Std Dev 0.9326
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_rms vs run

dit_asym_usr_mean vs run
χ^2 / ndf 99.29 / 85
p0 −1375 ± 1207
pull
Entries 86
Mean −199.4
Std Dev 241.4
pull1D
Entries 86
Mean −0.02516
Std Dev 1.074

dit_asym_usr_rms vs run

asym_usr_correction_mean vs run
×10^3
χ² / ndf 97.25 / 85
p0 240.7 ± 3573
pull
Entries 86
Mean −126.3
Std Dev 176.3

pull1D
Entries 86
Mean 0.005568
Std Dev 1.063

asym_usr_correction_rms vs run

asym_usr_mean vs run
χ^2 / ndf 108.4 / 85
p0 −1772 ± 3794
×10^3
pull
Entries 86
Mean −212.7
Std Dev 257.5

pull1D
Entries 86
Mean −0.01117
Std Dev 1.123

asym_usr_rms vs run
χ² / ndf 3065 / 85
p0 3450 ± 2.683
3900
3800
3700
3600
3500
3400
3300
3200
3100

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 80.16 / 85
p0 −942.1± 2042
pull
Entries 86
Mean −59.04
Std Dev 90.8

pull1D
Entries 86
Mean −0.02626
Std Dev 0.9651

dit_asym_at1_avg_rms vs run

asym_at1_avg_correction_mean vs run
χ² / ndf 99 / 85
p0 −330.6 ± 980.2
pull
Entries 86
Mean −89.91
Std Dev 160.9
pull1D
Entries 86
Mean 0.002339
Std Dev 1.073

asym_at1_avg_correction_rms vs run

asym_at1_avg_mean vs run
×10^3
χ² / ndf 102 / 85
p0 −612.3 ± 2312
pull
Entries 86
Mean −56.53
Std Dev 90.34

pull1D
Entries 86
Mean −0.02507
Std Dev 1.089

asym_at1_avg_rms vs run
χ² / ndf 1.493e+04 / 85
p0 2095 ± 1.635
6000
5500
5000
4500
4000
3500
3000
2500
2000

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 58.14 / 85
p0 2204 ± 2015
100
50
0
−50
−100
pull
Entries 86
Mean −17.39
Std Dev 93.76
2
1
0
−1
−2

pull1D
Entries 86
Mean −0.005131
Std Dev 0.8222
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at1_dd_rms vs run

asym_at1_dd_correction_mean vs run
χ² / ndf 93.07 / 85
p0 751.6 ± 1011
pull
Entries 86
Mean 1344
Std Dev 1307
pull1D
Entries 86
Mean −0.0006637
Std Dev 1.04

asym_at1_dd_correction_rms vs run
χ^2 / ndf 691.8 / 85
p0 919.9 ± 0.7149
980
960
940
920
900
880
860

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 67.77 / 85
p0 1372 ± 2255
pull
Entries 86
Mean −136.2
Std Dev 195

pull1D
Entries 86
Mean −0.003444
Std Dev 0.8877

asym_at1_dd_rms vs run

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 85.32 / 85
p0 −2231 ± 2194
pull
Entries 86
Mean 457.8
Std Dev 391.9
pull1D
Entries 86
Mean 0.004172
Std Dev 0.996

dit_asym_at2_avg_rms vs run

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 98.86 / 85
p0 −2192 ± 1.365e+04
pull
Entries 86
Mean −65.84
Std Dev 122.4
pull1D
Entries 86
Mean 0.004921
Std Dev 1.072

asym_at2_avg_correction_rms vs run

asym_at2_avg_mean vs run
×10^3
χ² / ndf 95.74 / 85
p0 −62.18 ± 1.372e+04
pull
Entries 86
Mean −145.1
Std Dev 205
pull1D
Entries 86
Mean −0.004125
Std Dev 1.055

asym_at2_avg_rms vs run

dit_asym_at2_dd_mean vs run
χ² / ndf 63.47 / 85
p0 −2629 ± 1960
pull
Entries 86
Mean −135.4
Std Dev 230.4
pull1D
Entries 86
Mean −0.003133
Std Dev 0.8591

dit_asym_at2_dd_rms vs run

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 73.48 / 85
p0 −4519 ± 5180
pull
Entries 86
Mean −230.5
Std Dev 163.8
pull1D
Entries 86
Mean 0.0008939
Std Dev 0.9244

asym_at2_dd_correction_rms vs run

asym_at2_dd_mean vs run
×10^3
χ² / ndf 84.47 / 85
p0 1858 ± 3960
pull
Entries 86
Mean −238.1
Std Dev 262.5

pull1D
Entries 86
Mean −0.00224
Std Dev 0.9911

asym_at2_dd_rms vs run
χ² / ndf 1642 / 85
p0 3602 ± 2.8
4000
3900
3800
3700
3600
3500
3400
3300

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 53.45 / 85
p0 −1702 ± 1850
50
0
−50
−100
−150
pull
Entries 86
Mean −146.6
Std Dev 199.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.01639
Std Dev 0.7882
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_avg_rms vs run

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 98.92 / 85
p0 −1231 ± 5565
pull
Entries 86
Mean −47.85
Std Dev 108.6
pull1D
Entries 86
Mean 0.004453
Std Dev 1.072

asym_atl_avg_correction_rms vs run

asym_atl_avg_mean vs run
×10^3
χ² / ndf 99.05 / 85
p0 −700.3 ± 5907
200
100
0
−100
−200
pull
Entries 86
Mean −76.59
Std Dev 132.8
3
2
1
0
−1
−2
−3

pull1D
Entries 86
Mean −0.01029
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_avg_rms vs run
χ^2 / ndf 3961 / 85
p0 5370 ± 4.177
7500
7000
6500
6000
5500
5000

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 83.85 / 85
p0 2816 ± 1831
pull
Entries 86
Mean 36.18
Std Dev 80.01
pull1D
Entries 86
Mean −0.01467
Std Dev 0.9873

dit_asym_atl_dd_rms vs run

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 98.84 / 85
p0 1599 ± 5179
pull
Entries 86
Mean −5.642
Std Dev 79.25

pull1D
Entries 86
Mean −0.004011
Std Dev 1.072

asym_atl_dd_correction_rms vs run
χ^2 / ndf 2727 / 85
p0 4709 ± 3.662
5400
5200
5000
4800
4600
4400
4200

asym_atl_dd_mean vs run
×10^3
χ² / ndf 85.79 / 85
p0 809.8 ± 5421
pull
Entries 86
Mean −147.2
Std Dev 280.6

pull1D
Entries 86
Mean 0.001083
Std Dev 0.9988

asym_atl_dd_rms vs run
χ² / ndf 3923 / 85
p0 4927 ± 3.833
7500
7000
6500
6000
5500
5000
4500

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 64.73 / 85
p0 −1653 ± 2271
pull
Entries 86
Mean −359.7
Std Dev 393.8

pull1D
Entries 86
Mean −0.003475
Std Dev 0.8676

dit_asym_atr_avg_rms vs run

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 98.86 / 85
p0 −1294 ± 9042
pull
Entries 86
Mean −76.25
Std Dev 131.7

pull1D
Entries 86
Mean 0.004963
Std Dev 1.072

asym_atr_avg_correction_rms vs run

asym_atr_avg_mean vs run
×10^3
χ² / ndf 99.26 / 85
p0 −598.5 ± 9334
pull
Entries 86
Mean −136.5
Std Dev 185.2

pull1D
Entries 86
Mean −0.004965
Std Dev 1.074

asym_atr_avg_rms vs run
χ² / ndf 3352 / 85
p0 8486 ± 6.6
10000
9500
9000
8500
8000
7500

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 85.09 / 85
p0 −1806 ± 2224
pull
Entries 86
Mean 11.17
Std Dev 50.34

pull1D
Entries 86
Mean −0.01324
Std Dev 0.9946

dit_asym_atr_dd_rms vs run
χ² / ndf 7557 / 85
p0 2020 ± 1.573
6000
5500
5000
4500
4000
3500
3000
2500
2000

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 98.1 / 85
p0 236.1 ± 7804
pull
Entries 86
Mean −94.91
Std Dev 147

pull1D
Entries 86
Mean −0.005488
Std Dev 1.068

asym_atr_dd_correction_rms vs run

asym_atr_dd_mean vs run
×10^3
χ² / ndf 89.64 / 85
p0 −2200 ± 7975
pull
Entries 86
Mean −431.5
Std Dev 494.9

pull1D
Entries 86
Mean 0.001256
Std Dev 1.021

asym_atr_dd_rms vs run

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 61.89 / 85
p0 −1571 ± 1519
pull
Entries 86
Mean −127.4
Std Dev 173.2
pull1D
Entries 86
Mean −0.01777
Std Dev 0.8481

dit_asym_atl_avg_atr_avg_avg_rms vs run

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 98.92 / 85
p0 −1264 ± 7290
pull
Entries 86
Mean −66.19
Std Dev 123.3

pull1D
Entries 86
Mean 0.004781
Std Dev 1.073

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2989 / 85
p0 6629 ± 5.155
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 101.1 / 85
p0 −807.6 ± 7471
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean −116.1
Std Dev 169
3
2
1
0
−1
−2

pull1D
Entries 86
Mean −0.006368
Std Dev 1.084
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3137 / 85
p0 6793 ± 5.283
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 58.85 / 85
p0 −169.5 ± 1420
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −57.13
Std Dev 140.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.006561
Std Dev 0.8272
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.137e+04 / 85
p0 1288 ± 1.004
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 98.12 / 85
p0 26.69 ± 1793
pull
Entries 86
Mean −112.4
Std Dev 163.8
pull1D
Entries 86
Mean −0.005489
Std Dev 1.068

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ2 / ndf 3092 / 85
p0 1630 ± 1.268
1850
1800
1750
1700
1650
1600
1550
1500
1450

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 80.89 / 85
p0 −262.1 ± 2281
pull
Entries 86
Mean −249.8
Std Dev 245.4

pull1D
Entries 86
Mean 0.001077
Std Dev 0.9698

asym_atl_avg_atr_avg_dd_rms vs run

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 104.2 / 85
p0 497.1 ± 1490
pull
Entries 86
Mean 27.01
Std Dev 65.25
pull1D
Entries 86
Mean −0.02085
Std Dev 1.1

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 1.078e+04 / 85
p0 1351 ± 1.053
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 98.77 / 85
p0 927.9 ± 6361
200
100
0
−100
−200
pull
Entries 86
Mean −65.59
Std Dev 121.5
3
2
1
0
−1
−2

pull1D
Entries 86
Mean −0.005073
Std Dev 1.072
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3136 / 85
p0 5783 ± 4.498
6600
6400
6200
6000
5800
5600
5400
5200

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 89.35 / 85
p0 −853.4 ± 6421
pull
Entries 86
Mean −178.6
Std Dev 253.2
pull1D
Entries 86
Mean 0.002261
Std Dev 1.019

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2846 / 85
p0 5838 ± 4.54
6600
6400
6200
6000
5800
5600
5400
5200

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.24 / 85
p0 2344 ± 1401
pull
Entries 86
Mean 1.291e+04
Std Dev 1.281e+04
pull1D
Entries 86
Mean −1.938e−05
Std Dev 0.8575

dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 92.89 / 85
p0 764.6 ± 1845
pull
Entries 86
Mean −270.5
Std Dev 316.8
pull1D
Entries 86
Mean 0.00392
Std Dev 1.039

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 2735 / 85
p0 1678 ± 1.305
1900
1850
1800
1750
1700
1650
1600
1550
1500

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 79.93 / 85
p0 1543 ± 2297
pull
Entries 86
Mean −261.9
Std Dev 297.7
pull1D
Entries 86
Mean −0.002379
Std Dev 0.9641

asym_atl_dd_atr_dd_dd_rms vs run

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 61.29 / 85
p0 1158 ± 2620
pull
Entries 86
Mean −78.34
Std Dev 116.8
pull1D
Entries 86
Mean −0.01951
Std Dev 0.8439

dit_asym_atl1_rms vs run

asym_atl1_correction_mean vs run
χ² / ndf 90.45 / 85
p0 397.2 ± 797.4
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −352.2
Std Dev 398
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.003535
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl1_correction_rms vs run

asym_atl1_mean vs run
×10^3
χ² / ndf 66.78 / 85
p0 856.4 ± 2770
pull
Entries 86
Mean −83.03
Std Dev 122.4

pull1D
Entries 86
Mean −0.02109
Std Dev 0.881

asym_atl1_rms vs run

dit_asym_atl2_mean vs run
χ² / ndf 76.79 / 85
p0 −4920 ± 2575
pull
Entries 86
Mean 841.5
Std Dev 767.3
pull1D
Entries 86
Mean 0.002374
Std Dev 0.9449

dit_asym_atl2_rms vs run

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 98.93 / 85
p0 −2829 ± 1.072e+04
pull
Entries 86
Mean −28.85
Std Dev 94.27

pull1D
Entries 86
Mean 0.004243
Std Dev 1.073

asym_atl2_correction_rms vs run

asym_atl2_mean vs run
×10^3
χ² / ndf 94.38 / 85
p0 −1917 ± 1.097e+04
pull
Entries 86
Mean −119.2
Std Dev 189.6

pull1D
Entries 86
Mean −0.004433
Std Dev 1.048

asym_atl2_rms vs run
χ² / ndf 2494 / 85
p0 9973 ± 7.754
11500
11000
10500
10000
9500
9000

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 74.67 / 85
p0 −3430 ± 3073
pull
Entries 86
Mean −92.51
Std Dev 115.4

pull1D
Entries 86
Mean −0.01036
Std Dev 0.9318

dit_asym_atr1_rms vs run

asym_atr1_correction_mean vs run
χ² / ndf 96.96 / 85
p0 −1052 ± 1825
pull
Entries 86
Mean 436.4
Std Dev 417.7
pull1D
Entries 86
Mean 0.0008635
Std Dev 1.062

asym_atr1_correction_rms vs run

asym_atr1_mean vs run
×10^3
χ² / ndf 95.32 / 85
p0 −2273 ± 3607
pull
Entries 86
Mean −61.16
Std Dev 84.28

pull1D
Entries 86
Mean −0.01024
Std Dev 1.053

asym_atr1_rms vs run
χ^2 / ndf 9290 / 85
p0 3273 ± 2.55
11000
10000
9000
8000
7000
6000
5000
4000
3000

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 74.64 / 85
p0 369.3 ± 3268
100
50
0
−50
−100
pull
Entries 86
Mean 202.9
Std Dev 152.2
2
1
0
−1
−2

pull1D
Entries 86
Mean 0.005153
Std Dev 0.9316
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr2_rms vs run
χ² / ndf 135 / 85
p0 2974 ± 2.311
3100
3050
3000
2950
2900

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 98.56 / 85
p0 −1541 ± 1.679e+04
pull
Entries 86
Mean −84.83
Std Dev 138.5

pull1D
Entries 86
Mean 0.005253
Std Dev 1.071

asym_atr2_correction_rms vs run

asym_atr2_mean vs run
×10^3
800
600
400
200
0
−200
−400
−600
χ² / ndf 95.07 / 85
p0 1765 ± 1.696e+04
pull
Entries 86
Mean −167.1
Std Dev 220.6
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.003733
Std Dev 1.051
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr2_rms vs run
χ2 / ndf 2786 / 85
p0 1.542e+04 ± 11.99
17500
17000
16500
16000
15500
15000
14500
14000

dit_asym_sam1_mean vs run
χ² / ndf 84.12 / 85
p0 98.54 ± 83.13
pull
Entries 86
Mean −260.4
Std Dev 314.9
pull1D
Entries 86
Mean 0.00733
Std Dev 0.989

dit_asym_sam1_rms vs run
χ² / ndf 1535 / 85
p0 75.62 ± 0.05878
84
82
80
78
76
74
72
70
68

asym_sam1_correction_mean vs run
χ² / ndf 89.19 / 85
p0 −27.31 ± 538.5
pull
Entries 86
Mean 202.5
Std Dev 156.7
pull1D
Entries 86
Mean −0.00379
Std Dev 1.018

asym_sam1_correction_rms vs run
χ^2 / ndf 1.259e+04 / 85
p0 488.2 ± 0.3808
600
550
500
450
400

asym_sam1_mean vs run
χ^2 / ndf 92.94 / 85
p0 117.8 ± 532.1
pull
Entries 86
Mean 87.18
Std Dev 51.87
pull1D
Entries 86
Mean 0.00612
Std Dev 1.04

asym_sam1_rms vs run
χ² / ndf 1.172e+04 / 85
p0 482.5 ± 0.3763
580
560
540
520
500
480
460
440
420
400
380

dit_asym_sam2_mean vs run
χ² / ndf 74.24 / 85
p0 1084 ± 473.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 827.1
Std Dev 759
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.001438
Std Dev 0.9291
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
χ^2 / ndf 4248 / 85
p0 430.2 ± 0.3347
540
520
500
480
460
440
420
400
380

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 94.61 / 85
p0 −2292 ± 6916
pull
Entries 86
Mean −173.4
Std Dev 220.3

pull1D
Entries 86
Mean −0.003728
Std Dev 1.049

asym_sam2_correction_rms vs run

asym_sam2_mean vs run
×10^3
χ² / ndf 96.6 / 85
p0 3231 ± 6872
pull
Entries 86
Mean −139.1
Std Dev 187.6

pull1D
Entries 86
Mean 0.004814
Std Dev 1.06

asym_sam2_rms vs run
χ² / ndf 4917 / 85
p0 6244 ± 4.859
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

dit_asym_sam3_mean vs run
χ² / ndf 82.1 / 85
p0 1303 ± 482.3
pull
Entries 86
Mean 82.04
Std Dev 80.97
pull1D
Entries 86
Mean 0.01713
Std Dev 0.9769

dit_asym_sam3_rms vs run
χ² / ndf 9625 / 85
p0 437.6 ± 0.341
600
550
500
450
400

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 93.12 / 85
p0 −1460 ± 3966
pull
Entries 86
Mean −238.1
Std Dev 284.9

pull1D
Entries 86
Mean −0.004486
Std Dev 1.041

asym_sam3_correction_rms vs run

asym_sam3_mean vs run
×10^3
χ² / ndf 96.43 / 85
p0 2685 ± 3959
150
100
50
0
−50
−100
pull
Entries 86
Mean −109.8
Std Dev 161.3
3
2
1
0
−1
−2

pull1D
Entries 86
Mean 0.007631
Std Dev 1.059
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam3_rms vs run
χ² / ndf 2559 / 85
p0 3600 ± 2.799
4000
3900
3800
3700
3600
3500
3400
3300

dit_asym_sam4_mean vs run
χ² / ndf 80.27 / 85
p0 1163 ± 470.2
pull
Entries 86
Mean 2.931
Std Dev 72.65
pull1D
Entries 86
Mean 0.02011
Std Dev 0.9659

dit_asym_sam4_rms vs run

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 88.29 / 85
p0 −2233 ± 5894
pull
Entries 86
Mean −311.7
Std Dev 358.4
pull1D
Entries 86
Mean −0.004984
Std Dev 1.013

asym_sam4_correction_rms vs run

asym_sam4_mean vs run
×10^3
χ² / ndf 89.44 / 85
p0 3273 ± 5892
pull
Entries 86
Mean −191
Std Dev 239.2

pull1D
Entries 86
Mean 0.007695
Std Dev 1.02

asym_sam4_rms vs run
χ^2 / ndf 971.1 / 85
p0 5361 ± 4.166
5900
5800
5700
5600
5500
5400
5300
5200
5100

dit_asym_sam5_mean vs run
χ² / ndf 84 / 85
p0 191 ± 172.3
pull
Entries 86
Mean 95.88
Std Dev 77.74

pull1D
Entries 86
Mean 0.01873
Std Dev 0.9882

dit_asym_sam5_rms vs run
χ² / ndf 526.9 / 85
p0 156.8 ± 0.1219
168
166
164
162
160
158
156
154
152
150
148
146

asym_sam5_correction_mean vs run
χ² / ndf 74.65 / 85
p0 −259.7 ± 1214
pull
Entries 86
Mean 166.7
Std Dev 117.2
pull1D
Entries 86
Mean 0.01156
Std Dev 0.9316

asym_sam5_correction_rms vs run

asym_sam5_mean vs run
χ² / ndf 78.37 / 85
p0 440 ± 1219
pull
Entries 86
Mean 194.5
Std Dev 140.6
pull1D
Entries 86
Mean −0.008249
Std Dev 0.9546

asym_sam5_rms vs run
χ² / ndf 1.21e+04 / 85
p0 1105 ± 0.8617
1300
1200
1100
1000
900

dit_asym_sam6_mean vs run
χ^2 / ndf 83.54 / 85
p0 831.2 ± 255.2
pull
Entries 86
Mean 12.32
Std Dev 96.5

pull1D
Entries 86
Mean 0.01087
Std Dev 0.9855

dit_asym_sam6_rms vs run
χ^2 / ndf 4847 / 85
p0 231.9 ± 0.1805
280
270
260
250
240
230
220
210

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 93.67 / 85
p0 712.1 ± 2372
pull
Entries 86
Mean −90.91
Std Dev 137.9
pull1D
Entries 86
Mean 0.003011
Std Dev 1.044

asym_sam6_correction_rms vs run

asym_sam6_mean vs run
χ² / ndf 94.13 / 85
p0 29.6 ± 2412
pull
Entries 86
Mean 1144
Std Dev 1108
pull1D
Entries 86
Mean 0.0003403
Std Dev 1.046

asym_sam6_rms vs run

dit_asym_sam7_mean vs run
χ² / ndf 78.21 / 85
p0 451.9 ± 124.5
pull
Entries 86
Mean −210.1
Std Dev 272.6

pull1D
Entries 86
Mean 0.00461
Std Dev 0.9536

dit_asym_sam7_rms vs run

asym_sam7_correction_mean vs run
χ² / ndf 93.85 / 85
p0 −408.6 ± 1254
pull
Entries 86
Mean −229.5
Std Dev 276.4
pull1D
Entries 86
Mean −0.004628
Std Dev 1.045

asym_sam7_correction_rms vs run

asym_sam7_mean vs run
χ² / ndf 95.28 / 85
p0 836.4 ± 1248
pull
Entries 86
Mean −184.8
Std Dev 232.9
pull1D
Entries 86
Mean 0.006036
Std Dev 1.053

asym_sam7_rms vs run
χ² / ndf 2685 / 85
p0 1135 ± 0.8825
1250
1200
1150
1100
1050

dit_asym_sam8_mean vs run
χ^2 / ndf 93.67 / 85
p0 285.2 ± 93.25
pull
Entries 86
Mean −116.4
Std Dev 173.5
pull1D
Entries 86
Mean 0.01059
Std Dev 1.044

dit_asym_sam8_rms vs run
χ² / ndf 1470 / 85
p0 84.82 ± 0.06594
100
95
90
85
80

asym_sam8_correction_mean vs run
χ² / ndf 95 / 85
p0 −187.9 ± 729.6
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −216
Std Dev 264.1
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.003488
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_correction_rms vs run

asym_sam8_mean vs run
χ² / ndf 95.29 / 85
p0 465.5 ± 729.2
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −162.4
Std Dev 212.4
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.00534
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_rms vs run
χ² / ndf 3236 / 85
p0 662.9 ± 0.5156
760
740
720
700
680
660
640
620
600

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 94.06 / 85
p0 141.6 ± 83.58
pull
Entries 86
Mean 37.16
Std Dev 59.97
pull1D
Entries 86
Mean 0.02493
Std Dev 1.045

dit_asym_sam_15_avg_rms vs run

asym_sam_15_avg_correction_mean vs run
χ² / ndf 67.69 / 85
p0 −128 ± 387.8
pull
Entries 86
Mean 189
Std Dev 139.2
pull1D
Entries 86
Mean 0.01324
Std Dev 0.8871

asym_sam_15_avg_correction_rms vs run

asym_sam_15_avg_mean vs run
χ² / ndf 73.11 / 85
p0 279.1 ± 396.5
pull
Entries 86
Mean 255.5
Std Dev 200.2
pull1D
Entries 86
Mean −0.008695
Std Dev 0.922

asym_sam_15_avg_rms vs run

dit_asym_sam_26_avg_mean vs run
χ² / ndf 77.97 / 85
p0 970.7 ± 293.3
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −721.8
Std Dev 802.5
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.001414
Std Dev 0.9521
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_26_avg_rms vs run

asym_sam_26_avg_correction_mean vs run
χ² / ndf 94.45 / 85
p0 −783.4 ± 2296
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −198.5
Std Dev 245.3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.004197
Std Dev 1.048
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
χ^2 / ndf 4015 / 85
p0 2087 ± 1.624
2400
2300
2200
2100
2000
1900
1800

asym_sam_26_avg_mean vs run
χ² / ndf 97.01 / 85
p0 1593 ± 2272
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −97.54
Std Dev 147.8
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.008175
Std Dev 1.062
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_avg_rms vs run

dit_asym_sam_37_avg_mean vs run
χ² / ndf 80.66 / 85
p0 880 ± 290.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 64.3
Std Dev 77.55
pull1D
Entries 86
Mean 0.01473
Std Dev 0.9683

dit_asym_sam_37_avg_rms vs run

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 93.32 / 85
p0 −934.4 ± 2608
pull
Entries 86
Mean −236.4
Std Dev 283.2

pull1D
Entries 86
Mean −0.004516
Std Dev 1.042

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 2549 / 85
p0 2372 ± 1.844
2700
2600
2500
2400
2300
2200

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 96.18 / 85
p0 1761 ± 2601
pull
Entries 86
Mean −124.6
Std Dev 175.2

pull1D
Entries 86
Mean 0.007263
Std Dev 1.057

asym_sam_37_avg_rms vs run

dit_asym_sam_48_avg_mean vs run
χ² / ndf 82.82 / 85
p0 721.1 ± 265.2
pull
Entries 86
Mean −6.898
Std Dev 78.34
pull1D
Entries 86
Mean 0.02023
Std Dev 0.9811

dit_asym_sam_48_avg_rms vs run

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 89.25 / 85
p0 −1209 ± 3291
100
50
0
−50
−100
pull
Entries 86
Mean −300.3
Std Dev 347.1
2
1
0
−1
−2
−3

pull1D
Entries 86
Mean −0.004884
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_avg_correction_rms vs run

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 90.36 / 85
p0 1867 ± 3289
100
50
0
−50
−100
pull
Entries 86
Mean −186.5
Std Dev 234.7
3
2
1
0
−1
−2

pull1D
Entries 86
Mean 0.007537
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_avg_rms vs run
χ² / ndf 1069 / 85
p0 2992 ± 2.326
3250
3200
3150
3100
3050
3000
2950
2900
2850
2800

dit_asym_sam_15_dd_mean vs run
χ² / ndf 77.64 / 85
p0 −45.31 ± 106.3
pull
Entries 86
Mean 175.6
Std Dev 140.6
pull1D
Entries 86
Mean −0.01264
Std Dev 0.9501

dit_asym_sam_15_dd_rms vs run

asym_sam_15_dd_correction_mean vs run
χ² / ndf 78.96 / 85
p0 115 ± 855
pull
Entries 86
Mean 170.1
Std Dev 121.1
pull1D
Entries 86
Mean −0.009279
Std Dev 0.9582

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.304e+04 / 85
p0 775.1 ± 0.6046
950
900
850
800
750
700
650
600

asym_sam_15_dd_mean vs run
χ² / ndf 82.4 / 85
p0 −151.2 ± 852.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 177.1
Std Dev 125
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.00711
Std Dev 0.9788
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 1.332e+04 / 85
p0 772.6 ± 0.6027
950
900
850
800
750
700
650
600

dit_asym_sam_26_dd_mean vs run
χ² / ndf 74.13 / 85
p0 124.1 ± 241
pull
Entries 86
Mean 177.2
Std Dev 129.3

pull1D
Entries 86
Mean −0.006713
Std Dev 0.9284

dit_asym_sam_26_dd_rms vs run

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 94.53 / 85
p0 −1506 ± 4632
pull
Entries 86
Mean −157.6
Std Dev 204.6

pull1D
Entries 86
Mean −0.00351
Std Dev 1.048

asym_sam_26_dd_correction_rms vs run

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 96.17 / 85
p0 1622 ± 4621
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean −184.2
Std Dev 231.2
2
1
0
−1
−2

pull1D
Entries 86
Mean 0.003278
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_dd_rms vs run
χ² / ndf 5752 / 85
p0 4199 ± 3.268
5000
4800
4600
4400
4200
4000
3800
3600

dit_asym_sam_37_dd_mean vs run
χ² / ndf 84.85 / 85
p0 424.8 ± 198.8
pull
Entries 86
Mean 102.8
Std Dev 90.32
pull1D
Entries 86
Mean 0.01961
Std Dev 0.9931

dit_asym_sam_37_dd_rms vs run

asym_sam_37_dd_correction_mean vs run
χ² / ndf 92.7 / 85
p0 −524.8 ± 1359
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −241.1
Std Dev 287.8
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.004435
Std Dev 1.038
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_dd_correction_rms vs run

asym_sam_37_dd_mean vs run
χ² / ndf 96.86 / 85
p0 925.3 ± 1359
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −85.59
Std Dev 139
pull1D
Entries 86
Mean 0.008303
Std Dev 1.061

asym_sam_37_dd_rms vs run

dit_asym_sam_48_dd_mean vs run
χ² / ndf 77.79 / 85
p0 442.2 ± 211.1
pull
Entries 86
Mean 16.4
Std Dev 66.49
pull1D
Entries 86
Mean 0.01935
Std Dev 0.9508

dit_asym_sam_48_dd_rms vs run

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 87.03 / 85
p0 −1025 ± 2609
pull
Entries 86
Mean −327.5
Std Dev 374.2

pull1D
Entries 86
Mean −0.005074
Std Dev 1.006

asym_sam_48_dd_correction_rms vs run

asym_sam_48_dd_mean vs run
×10^3
χ^2 / ndf 88.23 / 85
p0 1408 ± 2609
pull
Entries 86
Mean −197.9
Std Dev 245.9

pull1D
Entries 86
Mean 0.007839
Std Dev 1.013

asym_sam_48_dd_rms vs run

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 85.95 / 85
p0 193.2 ± 108.5
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 68.47
Std Dev 85.36
pull1D
Entries 86
Mean 0.01047
Std Dev 0.9997

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 6129 / 85
p0 98.57 ± 0.07673
125
120
115
110
105
100
95
90
85

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 92.96 / 85
p0 −204.6 ± 961.3
pull
Entries 86
Mean −23.96
Std Dev 74.58
pull1D
Entries 86
Mean −0.004137
Std Dev 1.04

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 7531 / 85
p0 872.9 ± 0.6797
1050
1000
950
900
850
800
750

asym_sam_13_57_dd_mean vs run
χ² / ndf 98.13 / 85
p0 462.4 ± 961.2
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −25.31
Std Dev 85.08
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.004664
Std Dev 1.068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_13_57_dd_rms vs run

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 82.33 / 85
p0 −371.7 ± 126.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 96
Std Dev 104.7
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.008041
Std Dev 0.9784
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_37_dd_rms vs run

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 95.28 / 85
p0 528.8 ± 1334
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −276.8
Std Dev 323.2
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.003223
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4115 / 85
p0 1212 ± 0.9432
1400
1350
1300
1250
1200
1150
1100
1050

asym_sam_15_37_dd_mean vs run
χ² / ndf 97.27 / 85
p0 −814.5 ± 1333
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −130.7
Std Dev 181.2
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.005317
Std Dev 1.063
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

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 80.52 / 85
p0 278.5 ± 153.9
pull
Entries 86
Mean −62.17
Std Dev 127.8
pull1D
Entries 86
Mean 0.009798
Std Dev 0.9676

dit_asym_sam_24_68_dd_rms vs run

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 93.86 / 85
p0 −1271 ± 3487
pull
Entries 86
Mean −223.6
Std Dev 270.4

pull1D
Entries 86
Mean −0.004248
Std Dev 1.045

asym_sam_24_68_dd_correction_rms vs run

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 95.02 / 85
p0 1517 ± 3484
100
50
0
−50
−100
pull
Entries 86
Mean −181.8
Std Dev 229.5
2
1
0
−1
−2

pull1D
Entries 86
Mean 0.00518
Std Dev 1.051
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_24_68_dd_rms vs run

dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 62.51 / 85
p0 109.5 ± 116.8
pull
Entries 86
Mean 71.65
Std Dev 28.33
pull1D
Entries 86
Mean −0.01525
Std Dev 0.8524

dit_asym_sam_26_48_dd_rms vs run

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 73.24 / 85
p0 262.1 ± 699.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −5463
Std Dev 5510
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.0004489
Std Dev 0.9228
18
16
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 676.7 / 85
p0 636.7 ± 0.4948
720
700
680
660
640
620
600

asym_sam_26_48_dd_mean vs run
χ² / ndf 74.89 / 85
p0 −173.3 ± 695.9
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −1463
Std Dev 1510
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.001579
Std Dev 0.9331
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_48_dd_rms vs run

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 83.49 / 85
p0 431.9 ± 168.3
pull
Entries 86
Mean 4.767
Std Dev 71.63
pull1D
Entries 86
Mean 0.02188
Std Dev 0.9851

dit_asym_sam_1548_avg_rms vs run

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 86.47 / 85
p0 −619.4 ± 1684
pull
Entries 86
Mean −347
Std Dev 393.9
pull1D
Entries 86
Mean −0.004834
Std Dev 1.003

asym_sam_1548_avg_correction_rms vs run

asym_sam_1548_avg_mean vs run
χ² / ndf 87.98 / 85
p0 1008 ± 1680
pull
Entries 86
Mean −188.5
Std Dev 237.1
pull1D
Entries 86
Mean 0.008396
Std Dev 1.011

asym_sam_1548_avg_rms vs run

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 82.24 / 85
p0 800.1 ± 265.5
pull
Entries 86
Mean 24.56
Std Dev 69.34
pull1D
Entries 86
Mean 0.01828
Std Dev 0.9777

dit_asym_sam_3748_avg_rms vs run

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 91.34 / 85
p0 −1070 ± 2931
pull
Entries 86
Mean −269.1
Std Dev 315.9

pull1D
Entries 86
Mean −0.004794
Std Dev 1.031

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 1595 / 85
p0 2667 ± 2.073
2900
2800
2700
2600
2500

asym_sam_3748_avg_mean vs run
×10^3
χ^2 / ndf 93.16 / 85
p0 1813 ± 2926
pull
Entries 86
Mean −158.1
Std Dev 207.2
pull1D
Entries 86
Mean 0.007492
Std Dev 1.041

asym_sam_3748_avg_rms vs run

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 80.8 / 85
p0 554.6 ± 169.6
pull
Entries 86
Mean −82.4
Std Dev 167.1
pull1D
Entries 86
Mean 0.007667
Std Dev 0.9693

dit_asym_sam_1526_avg_rms vs run

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 92.88 / 85
p0 −401.7 ± 1124
pull
Entries 86
Mean −241.1
Std Dev 287.9
pull1D
Entries 86
Mean −0.004749
Std Dev 1.039

asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 2236 / 85
p0 1022 ± 0.7946
1150
1100
1050
1000
950

asym_sam_1526_avg_mean vs run
χ² / ndf 95.34 / 85
p0 859.9 ± 1113
pull
Entries 86
Mean −100.4
Std Dev 150.8
pull1D
Entries 86
Mean 0.01048
Std Dev 1.053

asym_sam_1526_avg_rms vs run
χ² / ndf 2498 / 85
p0 1012 ± 0.7869
1140
1120
1100
1080
1060
1040
1020
1000
980
960
940
920

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 80.03 / 85
p0 924.7 ± 284.1
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −7.441
Std Dev 113
pull1D
Entries 86
Mean 0.008319
Std Dev 0.9647

dit_asym_sam_3726_avg_rms vs run

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 93.99 / 85
p0 −859.7 ± 2447
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −219.4
Std Dev 266.3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.004366
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3178 / 85
p0 2225 ± 1.73
2500
2400
2300
2200
2100
2000

asym_sam_3726_avg_mean vs run
×10^3
χ² / ndf 96.68 / 85
p0 1676 ± 2432
pull
Entries 86
Mean −111
Std Dev 161.4

pull1D
Entries 86
Mean 0.007707
Std Dev 1.06

asym_sam_3726_avg_rms vs run
χ² / ndf 3127 / 85
p0 2211 ± 1.719
2500
2400
2300
2200
2100
2000

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 84.58 / 85
p0 −288.9 ± 101.6
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −30.86
Std Dev 94.84
2
1
0
−1
−2
−3
−4
pull1D
Entries 86
Mean −0.01673
Std Dev 0.9916
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_48_dd_rms vs run

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 91.67 / 85
p0 594.4 ± 1629
pull
Entries 86
Mean −265.6
Std Dev 312.4
pull1D
Entries 86
Mean 0.004703
Std Dev 1.032

asym_sam_15_48_dd_correction_rms vs run

asym_sam_15_48_dd_mean vs run
χ² / ndf 92.48 / 85
p0 −865.1± 1632
pull
Entries 86
Mean −194.9
Std Dev 242.7
pull1D
Entries 86
Mean −0.006296
Std Dev 1.037

asym_sam_15_48_dd_rms vs run

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 79.92 / 85
p0 90.2 ± 83.53
pull
Entries 86
Mean −103.3
Std Dev 136.8
pull1D
Entries 86
Mean −0.01309
Std Dev 0.9639

dit_asym_sam_37_48_dd_rms vs run

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 72.28 / 85
p0 177.2 ± 475
pull
Entries 86
Mean 1.015e+04
Std Dev 1.01e+04
pull1D
Entries 86
Mean −0.0002476
Std Dev 0.9168

asym_sam_37_48_dd_correction_rms vs run

asym_sam_37_48_dd_mean vs run
χ² / ndf 73.24 / 85
p0 −88.95 ± 481
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −1461
Std Dev 1507
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.001851
Std Dev 0.9228
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_48_dd_rms vs run
χ² / ndf 724.9 / 85
p0 437.6 ± 0.3401
490
480
470
460
450
440
430
420
410

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 76.21 / 85
p0 −413.4 ± 133.3
pull
Entries 86
Mean 246.4
Std Dev 173
pull1D
Entries 86
Mean 0.005708
Std Dev 0.9413

dit_asym_sam_15_26_dd_rms vs run

asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 94.29 / 85
p0 375.8 ± 1203
pull
Entries 86
Mean −142.1
Std Dev 188.8
pull1D
Entries 86
Mean 0.003771
Std Dev 1.047

asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 6301 / 85
p0 1092 ± 0.8504
1300
1250
1200
1150
1100
1050
1000
950
900

asym_sam_15_26_dd_mean vs run
χ² / ndf 97.05 / 85
p0 −731.1 ± 1191
pull
Entries 86
Mean −97.7
Std Dev 147.5
pull1D
Entries 86
Mean −0.005797
Std Dev 1.062

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 5996 / 85
p0 1082 ± 0.842
1250
1200
1150
1100
1050
1000
950

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 65.6 / 85
p0 −25.28 ± 68.12
pull
Entries 86
Mean 253.2
Std Dev 210.4
pull1D
Entries 86
Mean 0.01527
Std Dev 0.8732

dit_asym_sam_37_26_dd_rms vs run

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 75.44 / 85
p0 −85.69 ± 226.4
pull
Entries 86
Mean −1343
Std Dev 1391
pull1D
Entries 86
Mean −0.00172
Std Dev 0.9366

asym_sam_37_26_dd_correction_rms vs run

asym_sam_37_26_dd_mean vs run
χ² / ndf 80.48 / 85
p0 91.6 ± 225.9
pull
Entries 86
Mean 1856
Std Dev 1804
pull1D
Entries 86
Mean −0.0007613
Std Dev 0.9674

asym_sam_37_26_dd_rms vs run

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 81.37 / 85
p0 509.6 ± 172.5
pull
Entries 86
Mean 54.63
Std Dev 70.6
pull1D
Entries 86
Mean 0.01863
Std Dev 0.9725

dit_asym_sam_1357_avg_rms vs run

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 91.47 / 85
p0 −542.6 ± 1306
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −330.7
Std Dev 377.1
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.004301
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_correction_rms vs run

asym_sam_1357_avg_mean vs run
χ² / ndf 93.94 / 85
p0 947.8 ± 1298
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −126.4
Std Dev 177
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.008955
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_rms vs run
χ² / ndf 1666 / 85
p0 1180 ± 0.9175
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 83.85 / 85
p0 841.9 ± 254
pull
Entries 86
Mean −53.77
Std Dev 128.5
pull1D
Entries 86
Mean 0.012
Std Dev 0.9874

dit_asym_sam_2468_avg_rms vs run

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 92.2 / 85
p0 −996.1 ± 2751
pull
Entries 86
Mean −255.4
Std Dev 302.2

pull1D
Entries 86
Mean −0.004725
Std Dev 1.035

asym_sam_2468_avg_correction_rms vs run

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 93.71 / 85
p0 1727 ± 2740
pull
Entries 86
Mean −145.2
Std Dev 194.1
pull1D
Entries 86
Mean 0.007974
Std Dev 1.044

asym_sam_2468_avg_rms vs run

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 90 / 85
p0 −160.5 ± 49.89
pull
Entries 86
Mean −777.5
Std Dev 829.5

pull1D
Entries 86
Mean −0.00391
Std Dev 1.023

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7105 / 85
p0 45.3 ± 0.03528
60
55
50
45
40

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 92.53 / 85
p0 225.7 ± 726.6
pull
Entries 86
Mean −195.3
Std Dev 242.5
pull1D
Entries 86
Mean 0.005155
Std Dev 1.037

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 2484 / 85
p0 660.8 ± 0.5138
740
720
700
680
660
640
620
600

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 93.31 / 85
p0 −390.9 ± 725.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −170.1
Std Dev 217.4
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.006947
Std Dev 1.042
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_2468_dd_rms vs run

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 82.66 / 85
p0 676.1 ± 211.4
pull
Entries 86
Mean 1.239
Std Dev 88.05
pull1D
Entries 86
Mean 0.01475
Std Dev 0.9803

dit_asym_sam_12345678_avg_rms vs run

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 92 / 85
p0 −769.7 ± 2027
pull
Entries 86
Mean −278.6
Std Dev 325.2
pull1D
Entries 86
Mean −0.004584
Std Dev 1.034

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1730 / 85
p0 1843 ± 1.433
2050
2000
1950
1900
1850
1800
1750
1700

asym_sam_12345678_avg_mean vs run
χ² / ndf 93.81 / 85
p0 1337 ± 2017
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −138.3
Std Dev 187.7
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.00831
Std Dev 1.044
16
14
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
χ^2 / ndf 4.947e−25 / 85
p0 −168.1 ± 0.2829
−165
−166
−167
−168
−169
−170
−171
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 86
Mean −7.585e−14
Std Dev5.221e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ^2 / ndf 1.356e−24 / 85
p0 116 ± 0.2685
118
117
116
115
114
113
pull
Entries 86
Mean 43
Std Dev 24.82
$\times 10^{-12}$
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 86
Mean 1.256e−13
Std Dev 6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run
χ^2 / ndf 6.015e−25 / 85
p0 −41.07 ± 0.02748
−40.8
−40.9
−41
−41.1
−41.2
−41.3
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

pull1D
Entries 86
Mean −8.363e−14
Std Dev 2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4aY_slope vs run
χ² / ndf 1.012e−28 / 85
p0 0.6997 ± 0.09933
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 1.085e−15
Std Dev 6.065e−23

dit_usl_4eY_slope vs run
χ^2 / ndf 3.885e−26 / 85
p0 20.74 ± 0.09013
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 2.125e−14
Std Dev 1.037e−21

dit_usr_4aX_slope vs run

dit_usr_4eX_slope vs run
χ^2 / ndf 2.052e−23 / 85
p0 344.9 ± 0.2133
347
346.5
346
345.5
345
344.5
344
343.5
343
342.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-12
0
−0.1
−0.2
−0.3
−0.4
−0.5

pull1D
Entries 86
Mean −4.885e−13
Std Dev2.443e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run
χ^2 / ndf 1.827e−23 / 85
p0 −41.99 ± 0.02327
−41.8
−41.9
−42
−42.1
−42.2
pull
Entries 86
Mean 43
Std Dev 24.82
$\times 10^{-12}$
0
−0.1
−0.2
−0.3
−0.4

pull1D
Entries 86
Mean −4.609e−13
Std Dev 1.66e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aY_slope vs run
χ^2 / ndf 2.112e−29 / 85
p0 1.333 ± 0.145
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 4.955e−16
Std Dev 3.032e−23

dit_usr_4eY_slope vs run
χ^2 / ndf 1.22e−25 / 85
p0 14.84 ± 0.1322
16
15.5
15
14.5
14
13.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
35
30
25
20
15
10
5
0

pull1D
Entries 86
Mean 3.767e−14
Std Dev 1.527e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run
χ² / ndf 8.02e−28 / 85
p0 44.73 ± 0.5018
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean −3.054e−15
Std Dev 1.45e−22

dit_atl1_4eX_slope vs run
χ^2 / ndf 2.282e−27 / 85
p0 −15.11 ± 0.4834
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean −5.151e−15
Std Dev 2.9e−22

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.809e−26 / 85
p0 4.081 ± 0.06603
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 1.45e−14
Std Dev7.923e−22

dit_atl1_4aY_slope vs run
χ^2 / ndf 3.152e−28 / 85
p0 10.55 ± 0.3002
13
12
11
10
9
8
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−0.5
−1
−1.5
−2

pull1D
Entries 86
Mean −1.914e−15
Std Dev7.487e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run
χ^2 / ndf 1.319e−26 / 85
p0 −26.76 ± 0.2784
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 1.238e−14
Std Dev7.181e−22

dit_atl2_4aX_slope vs run
χ^2 / ndf 1.378e−23 / 85
p0 −1298 ± 0.4287
−1294
−1295
−1296
−1297
−1298
−1299
−1300
−1301
−1302
−1303
pull
Entries 86
Mean 43
Std Dev 24.82
$\times 10^{-12}$
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 86
Mean 4.003e−13
Std Dev1.515e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.292e−24 / 85
p0 1286 ± 0.4
1290
1289
1288
1287
1286
1285
1284
1283
1282
pull
Entries 86
Mean 43
Std Dev 24.82
$\times 10^{-12}$
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 86
Mean 1.226e−13
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ^2 / ndf 6.8e−23 / 85
p0 −252.9 ± 0.0517
−252.4
−252.6
−252.8
−253
−253.2
−253.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−12
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

pull1D
Entries 86
Mean 8.892e−13
Std Dev 9.583e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run
χ^2 / ndf 2.904e−29 / 85
p0 −0.878 ± 0.2884
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean −5.811e−16
Std Dev 2.386e−23

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.474e−25 / 85
p0 124.7 ± 0.2591
127
126
125
124
123
122
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 86
Mean −4.14e−14
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ^2 / ndf 1.279e−25 / 85
p0 −315.9 ± 0.4769
−312
−314
−316
−318
−320
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 86
Mean −3.856e−14
Std Dev 2.358e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eX_slope vs run
χ^2 / ndf 6.423e−26 / 85
p0 271.9 ± 0.4486
276
275
274
273
272
271
270
269
268
267
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
25
20
15
10
5
0

pull1D
Entries 86
Mean 2.733e−14
Std Dev 1.497e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run
χ^2 / ndf 9.94e−25 / 85
p0 −56.94 ± 0.05701
−56.4
−56.6
−56.8
−57
−57.2
−57.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 86
Mean −1.075e−13
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aY_slope vs run
χ^2 / ndf 2.22e−27 / 85
p0 14.94 ± 0.4147
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15

pull1D
Entries 86
Mean −5.081e−15
Std Dev1.834e−22

dit_atr1_4eY_slope vs run
χ² / ndf 8.621e−29 / 85
p0 −13.08 ± 0.3826
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean −1.001e−15
Std Dev 6.617e−23

dit_atr2_4aX_slope vs run
χ^2 / ndf 2.75e−25 / 85
p0 −1648 ± 0.8672
−1640
−1642
−1644
−1646
−1648
−1650
−1652
−1654
−1656
−1658
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
50
40
30
20
10
0
pull1D
Entries 86
Mean 5.655e−14
Std Dev 1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run
χ^2 / ndf 8.606e−23 / 85
p0 1827 ± 0.8578
1836
1834
1832
1830
1828
1826
1824
1822
1820
1818
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-12
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 86
Mean 1e−12
Std Dev 5.249e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_11X12X_slope vs run
χ^2 / ndf 2.515e−24 / 85
p0 −298 ± 0.1075
−297
−297.5
−298
−298.5
−299
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 86
Mean −1.71e−13
Std Dev 5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aY_slope vs run
χ^2 / ndf 6.648e−30 / 85
p0 2.392 ± 0.3445
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 2.78e−16
Std Dev 8.754e−24

dit_atr2_4eY_slope vs run
χ^2 / ndf 2.138e−25 / 85
p0 136.6 ± 0.3074
140
139
138
137
136
135
134
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
0
−10
−20
−30
−40
−50

pull1D
Entries 86
Mean −4.986e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aX_slope vs run
χ^2 / ndf 4.863e−30 / 85
p0 −0.2576 ± 0.05034
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−0.05
−0.1
−0.15
−0.2

pull1D
Entries 86
Mean −2.378e−16
Std Dev1.146e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eX_slope vs run
χ² / ndf 3.362e−26 / 85
p0 −10.43 ± 0.04844
−10
−10.2
−10.4
−10.6
−10.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 86
Mean 1.977e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_11X12X_slope vs run

dit_sam1_4aY_slope vs run
χ² / ndf 7.448e−24 / 85
p0 −51.83 ± 0.03124
−51.5
−51.6
−51.7
−51.8
−51.9
−52
−52.1
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

pull1D
Entries 86
Mean −2.943e−13
Std Dev 9.583e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run

dit_sam2_4aX_slope vs run
χ^2 / ndf 5.584e−29 / 85
p0 23.68 ± 0.4754
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 8.058e−16
Std Dev 4.39e−23

dit_sam2_4eX_slope vs run
χ^2 / ndf 1.571e−24 / 85
p0 −239.1 ± 0.4535
−236
−238
−240
−242
−244
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

pull1D
Entries 86
Mean −1.352e−13
Std Dev7.187e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_11X12X_slope vs run

dit_sam2_4aY_slope vs run
χ^2 / ndf 5.316e−26 / 85
p0 20.63 ± 0.2619
23
22
21
20
19
18
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
25
20
15
10
5
0

pull1D
Entries 86
Mean 2.486e−14
Std Dev 6.696e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eY_slope vs run
χ^2 / ndf 9.433e−24 / 85
p0 −222 ± 0.2591
−220
−221
−222
−223
−224
pull
Entries 86
Mean 43
Std Dev 24.82
$\times 10^{-12}$
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 86
Mean 3.312e−13
Std Dev 1.515e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aX_slope vs run
χ^2 / ndf 1.329e−26 / 85
p0 −22.79 ± 0.5546
−18
−20
−22
−24
−26
−28
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
12
10
8
6
4
2
0

pull1D
Entries 86
Mean 1.243e−14
Std Dev4.235e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eX_slope vs run
χ^2 / ndf 1.231e−25 / 85
p0 −108.6 ± 0.5266
−104
−106
−108
−110
−112
−114
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
35
30
25
20
15
10
5
0

pull1D
Entries 86
Mean 3.783e−14
Std Dev 1.64e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_11X12X_slope vs run

dit_sam3_4aY_slope vs run
χ² / ndf 3.826e−27 / 85
p0 −7.627 ± 0.04307
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 6.67e−15
Std Dev 5.078e−22

dit_sam3_4eY_slope vs run
χ^2 / ndf 2.315e−25 / 85
p0 32.98 ± 0.0443
33.4
33.3
33.2
33.1
33
32.9
32.8
32.7
32.6
32.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
50
40
30
20
10
0

pull1D
Entries 86
Mean 5.188e−14
Std Dev 2.541e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run

dit_sam4_4eX_slope vs run
χ² / ndf 4.866e−25 / 85
p0 −224.7 ± 0.6112
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 7.522e−14
Std Dev 4.401e−21

dit_sam4_11X12X_slope vs run

dit_sam4_4aY_slope vs run
χ² / ndf 1.64e−26 / 85
p0 −29.73 ± 0.333
−27
−28
−29
−30
−31
−32
−33
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

pull1D
Entries 86
Mean −1.381e−14
Std Dev7.023e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4eY_slope vs run
χ^2 / ndf 2.589e−25 / 85
p0 288.8 ± 0.3352
292
291
290
289
288
287
286
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
0
−10
−20
−30
−40
−50

pull1D
Entries 86
Mean −5.486e−14
Std Dev1.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.384e−26 / 85
p0 4.643 ± 0.08304
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 1.269e−14
Std Dev1.497e−22

dit_sam5_4eX_slope vs run
χ^2 / ndf 2.589e−27 / 85
p0 2.901 ± 0.07856
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 5.486e−15
Std Dev 3.176e−22

dit_sam5_11X12X_slope vs run
χ^2 / ndf 2.368e−26 / 85
p0 0.4236 ± 0.007575
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0.36
0.34
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

pull1D
Entries 86
Mean −1.659e−14
Std Dev4.735e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aY_slope vs run
χ² / ndf 2.526e−25 / 85
p0 30.62 ± 0.08483
31.4
31.2
31
30.8
30.6
30.4
30.2
30
29.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
50
40
30
20
10
0

pull1D
Entries 86
Mean 5.419e−14
Std Dev 2.541e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run

dit_sam6_4aX_slope vs run

dit_sam6_4eX_slope vs run

dit_sam6_11X12X_slope vs run

dit_sam6_4aY_slope vs run
χ^2 / ndf 3.132e−28 / 85
p0 19.69 ± 0.2008
21.5
21
20.5
20
19.5
19
18.5
18
17.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−0.5
−1
−1.5
−2

pull1D
Entries 86
Mean −1.908e−15
Std Dev 9.169e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run
χ^2 / ndf 5.149e−27 / 85
p0 103.1 ± 0.198
105
104.5
104
103.5
103
102.5
102
101.5
101
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
8
7
6
5
4
3
2
1
0

pull1D
Entries 86
Mean 7.738e−15
Std Dev 3.348e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run
χ^2 / ndf 2.935e−24 / 85
p0 87.6 ± 0.1161
88.5
88
87.5
87
86.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-12
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 86
Mean 1.847e−13
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eX_slope vs run
χ² / ndf 3.398e−24 / 85
p0 −132.6 ± 0.1079
−131.5
−132
−132.5
−133
−133.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

pull1D
Entries 86
Mean −1.988e−13
Std Dev9.279e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_11X12X_slope vs run

dit_sam7_4aY_slope vs run
χ^2 / ndf 5.641e−26 / 85
p0 7.299 ± 0.01122
7.4
7.35
7.3
7.25
7.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
0
−5
−10
−15
−20
−25

pull1D
Entries 86
Mean −2.561e−14
Std Dev1.271e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
χ² / ndf 5.098e−25 / 85
p0 −10.87 ± 0.009952
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean −7.699e−14
Std Dev 1.894e−21

dit_sam8_4aX_slope vs run
χ^2 / ndf 4.039e−26 / 85
p0 58.94 ± 0.07071
59.6
59.4
59.2
59
58.8
58.6
58.4
58.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
22
20
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 86
Mean 2.167e−14
Std Dev 1.405e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eX_slope vs run
χ^2 / ndf 1.849e−25 / 85
p0 −84.98 ± 0.0661
−84.4
−84.6
−84.8
−85
−85.2
−85.4
−85.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
45
40
35
30
25
20
15
10
5
0

pull1D
Entries 86
Mean 4.636e−14
Std Dev 2.16e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
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6
8

dit_sam8_11X12X_slope vs run
χ^2 / ndf 4.536e−27 / 85
p0 0.4998 ± 0.007418
0.58
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
7
6
5
4
3
2
1
0

pull1D
Entries 86
Mean 7.262e−15
Std Dev 2.368e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
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dit_sam8_4aY_slope vs run
χ^2 / ndf 1.091e−25 / 85
p0 −50.07 ± 0.02151
−49.85
−49.9
−49.95
−50
−50.05
−50.1
−50.15
−50.2
−50.25
−50.3
pull
Entries 86
Mean 43
Std Dev 24.82
×10^−15
35
30
25
20
15
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pull1D
Entries 86
Mean 3.561e−14
Std Dev4.235e−22
90
80
70
60
50
40
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10
0
−8
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−4
−2
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dit_sam8_4eY_slope vs run
χ^2 / ndf 1.799e−24 / 85
p0 50.18 ± 0.02119
pull
Entries 86
Mean 43
Std Dev 24.82

pull1D
Entries 86
Mean 1.447e−13
Std Dev8.638e−21

pull
Entries 0
Mean 0
Std Dev 0
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pull1D
Entries 0
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pull
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pull1D
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reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 5.542 / 85
p0 −12.11 ± 0.721
pull
Entries 86
Mean 94.73
Std Dev 56.78

pull1D
Entries 86
Mean −0.007567
Std Dev 0.2537

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 18.26 / 85
p0 −64.17 ± 0.7502
pull
Entries 86
Mean −2689
Std Dev 2725
pull1D
Entries 86
Mean 0.001659
Std Dev 0.4608

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 5.981 / 85
p0 0.5451 ± 0.6486
pull
Entries 86
Mean 193.4
Std Dev 150.9

pull1D
Entries 86
Mean 0.007998
Std Dev 0.2636

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 19.19 / 85
p0 24.46 ± 0.8649
pull
Entries 86
Mean −2185
Std Dev 2223

pull1D
Entries 86
Mean −0.002108
Std Dev 0.4724

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 8.081 / 85
p0 0.4233 ± 0.02427
pull
Entries 86
Mean −1069
Std Dev 1104

pull1D
Entries 86
Mean −0.002959
Std Dev 0.3065

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 1.927 / 85
p0 −103.3 ± 9.309
pull
Entries 86
Mean −81.68
Std Dev 123.4

pull1D
Entries 86
Mean −0.00677
Std Dev 0.1495

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 0.9431 / 85
p0 −185.6 ± 9.688
pull
Entries 86
Mean −1456
Std Dev 1527
pull1D
Entries 86
Mean −0.0002672
Std Dev 0.1047

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.805 / 85
p0 −117 ± 8.375
pull
Entries 86
Mean −8.758
Std Dev 43.22
pull1D
Entries 86
Mean 0.006872
Std Dev 0.1447

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 0.9165 / 85
p0 23.29 ± 11.17
pull
Entries 86
Mean −275.6
Std Dev 427.6
pull1D
Entries 86
Mean 0.000246
Std Dev 0.1032

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 0.974 / 85
p0 2.651 ± 0.3134
pull
Entries 86
Mean −160.5
Std Dev 122

pull1D
Entries 86
Mean −0.001059
Std Dev 0.1064

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 3.423 / 85
p0 −108 ± 5.359
pull
Entries 86
Mean −99.4
Std Dev 132.1

pull1D
Entries 86
Mean −0.005429
Std Dev 0.1994

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 3.878 / 85
p0 3.483 ± 5.58
pull
Entries 86
Mean 1.897e+04
Std Dev 1.89e+04

pull1D
Entries 86
Mean 4.235e−05
Std Dev 0.2123

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 2.956 / 85
p0 −34.24 ± 4.821
pull
Entries 86
Mean 100.2
Std Dev 34

pull1D
Entries 86
Mean 0.004249
Std Dev 0.1853

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 3.897 / 85
p0 17.01 ± 6.433
pull
Entries 86
Mean 5703
Std Dev 5640

pull1D
Entries 86
Mean −0.000138
Std Dev 0.2129

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 4.534 / 85
p0 −0.8402 ± 0.1805
pull
Entries 86
Mean 29.64
Std Dev 91.26

pull1D
Entries 86
Mean −0.004244
Std Dev 0.2296

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 2.086 / 85
p0 −117.4 ± 7.974
pull
Entries 86
Mean −92.4
Std Dev 131.3

pull1D
Entries 86
Mean −0.007403
Std Dev 0.1555

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 1.327 / 85
p0 151.7 ± 8.306
pull
Entries 86
Mean 1137
Std Dev 1112

pull1D
Entries 86
Mean −0.0003734
Std Dev 0.1242

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.832 / 85
p0 −99.16 ± 7.174
pull
Entries 86
Mean −1.013
Std Dev 24.66
pull1D
Entries 86
Mean 0.007206
Std Dev 0.1458

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 1.254 / 85
p0 73.64 ± 9.576
pull
Entries 86
Mean −216.8
Std Dev 379.7
pull1D
Entries 86
Mean 0.0002141
Std Dev 0.1208

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 1.786 / 85
p0 −3.699 ± 0.2686
pull
Entries 86
Mean −92.12
Std Dev 110.3
pull1D
Entries 86
Mean −0.00287
Std Dev 0.1441

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 1.935 / 85
p0 −6.069 ± 1.651
pull
Entries 86
Mean 142.7
Std Dev 111.6

pull1D
Entries 86
Mean 0.002561
Std Dev 0.15

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 3.145 / 85
p0 128 ± 1.718
pull
Entries 86
Mean −455.4
Std Dev 487.9

pull1D
Entries 86
Mean 0.001168
Std Dev 0.1912

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 1.919 / 85
p0 12.03 ± 1.485
pull
Entries 86
Mean 2.51
Std Dev 68.87

pull1D
Entries 86
Mean −0.002839
Std Dev 0.1494

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 2.695 / 85
p0 18.23 ± 1.981
pull
Entries 86
Mean 1449
Std Dev 1414

pull1D
Entries 86
Mean 0.0001974
Std Dev 0.177

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.76 / 85
p0 −1.199 ± 0.05558
pull
Entries 86
Mean −511.5
Std Dev 550.3
pull1D
Entries 86
Mean 0.0006514
Std Dev 0.1791

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 2.535 / 85
p0 7.362 ± 3.271
pull
Entries 86
Mean −131.4
Std Dev 216.4

pull1D
Entries 86
Mean 0.001224
Std Dev 0.1717

reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 2.363 / 85
p0 125.7 ± 3.401
pull
Entries 86
Mean 414.2
Std Dev 360.6
pull1D
Entries 86
Mean 0.002698
Std Dev 0.1657

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 2.764 / 85
p0 60.32 ± 2.943
pull
Entries 86
Mean −925.8
Std Dev 983.1

pull1D
Entries 86
Mean −0.0009914
Std Dev 0.1793

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 2.193 / 85
p0 −17.35 ± 3.921
pull
Entries 86
Mean 563.4
Std Dev 509.7

pull1D
Entries 86
Mean −0.001246
Std Dev 0.1597

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 2.518 / 85
p0 −0.9915 ± 0.11
pull
Entries 86
Mean 250.1
Std Dev 194.4

pull1D
Entries 86
Mean −0.003869
Std Dev 0.1711

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 4.958 / 85
p0 −1.525 ± 1.69
pull
Entries 86
Mean −107.2
Std Dev 147.2

pull1D
Entries 86
Mean −0.01064
Std Dev 0.2399

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 1.988 / 85
p0 17.67 ± 1.759
pull
Entries 86
Mean 928
Std Dev 880.8

pull1D
Entries 86
Mean 0.001497
Std Dev 0.152

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 4.65 / 85
p0 −40.27 ± 1.52
pull
Entries 86
Mean −36.44
Std Dev 71.06

pull1D
Entries 86
Mean 0.01076
Std Dev 0.2323

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 1.966 / 85
p0 −23.1 ± 2.028
pull
Entries 86
Mean 951.7
Std Dev 905.4

pull1D
Entries 86
Mean −0.001421
Std Dev 0.1512

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 2.039 / 85
p0 −0.2288 ± 0.0569
pull
Entries 86
Mean 8.124
Std Dev 84.17

pull1D
Entries 86
Mean −0.00241
Std Dev 0.154

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 5.854 / 85
p0 −2.622 ± 0.9875
pull
Entries 86
Mean −103.8
Std Dev 143.8
pull1D
Entries 86
Mean −0.01099
Std Dev 0.2607

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 4.422 / 85
p0 −12.62 ± 1.028
pull
Entries 86
Mean −381
Std Dev 418.5
pull1D
Entries 86
Mean 0.004249
Std Dev 0.2267

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 5.563 / 85
p0 −21.98 ± 0.8884
pull
Entries 86
Mean −26.19
Std Dev 61.76

pull1D
Entries 86
Mean 0.01156
Std Dev 0.2541

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 4.183 / 85
p0 6.501 ± 1.185
pull
Entries 86
Mean −287.5
Std Dev 324.5

pull1D
Entries 86
Mean −0.004167
Std Dev 0.2205

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 3.575 / 85
p0 −0.5585 ± 0.03325
pull
Entries 86
Mean −765.1
Std Dev 801.6

pull1D
Entries 86
Mean −0.002335
Std Dev 0.2039

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 41.5 / 85
p0 −53.41 ± 2.474
pull
Entries 86
Mean −191.9
Std Dev 236.6
pull1D
Entries 86
Mean 0.01465
Std Dev 0.6945

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 42.95 / 85
p0 15.4 ± 2.579
pull
Entries 86
Mean −314.8
Std Dev 373.1

pull1D
Entries 86
Mean −0.01146
Std Dev 0.7066

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 42.09 / 85
p0 −10.01 ± 2.225
pull
Entries 86
Mean −175.3
Std Dev 219.7

pull1D
Entries 86
Mean −0.01626
Std Dev 0.6994

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 43.17 / 85
p0 12.12 ± 2.973
pull
Entries 86
Mean −252.6
Std Dev 312.1

pull1D
Entries 86
Mean 0.01293
Std Dev 0.7084

reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 63.02 / 85
p0 −41 ± 0.0834
pull
Entries 86
Mean 3301
Std Dev 3257

pull1D
Entries 86
Mean −0.003325
Std Dev 0.856

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 10.1 / 85
p0 −25.76 ± 5.139
pull
Entries 86
Mean −161.8
Std Dev 199.6

pull1D
Entries 86
Mean 0.01215
Std Dev 0.3425

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 8.562 / 85
p0 24.02 ± 5.35
pull
Entries 86
Mean 310.7
Std Dev 224.1

pull1D
Entries 86
Mean −0.002147
Std Dev 0.3155

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 10.18 / 85
p0 86.1 ± 4.624
pull
Entries 86
Mean −162.1
Std Dev 200.4

pull1D
Entries 86
Mean −0.01267
Std Dev 0.3439

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 8.496 / 85
p0 −5.664 ± 6.167
pull
Entries 86
Mean 407.9
Std Dev 338.4

pull1D
Entries 86
Mean 0.00235
Std Dev 0.3143

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 15.08 / 85
p0 −41.01 ± 0.1731
pull
Entries 86
Mean 2320
Std Dev 2284

pull1D
Entries 86
Mean −0.00207
Std Dev 0.4187

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 101 / 85
p0 −6.888 ± 6.005
pull
Entries 86
Mean 2407
Std Dev 2361
pull1D
Entries 86
Mean −0.002277
Std Dev 1.084

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 107.5 / 85
p0 −12.63 ± 6.269
pull
Entries 86
Mean −143.6
Std Dev 189.4

pull1D
Entries 86
Mean −0.0179
Std Dev 1.118

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 98.91 / 85
p0 6.633 ± 5.402
pull
Entries 86
Mean 3972
Std Dev 3926
pull1D
Entries 86
Mean 0.001303
Std Dev 1.072

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 107 / 85
p0 14.15 ± 7.227
pull
Entries 86
Mean −145.2
Std Dev 191.3

pull1D
Entries 86
Mean 0.01882
Std Dev 1.115

reg_asym_dsl_diff_bpm12X_slope vs run
χ^2 / ndf 121.6 / 85
p0 0.2668 ± 0.2026
pull
Entries 86
Mean 507.1
Std Dev 456.4

pull1D
Entries 86
Mean −0.01249
Std Dev 1.189

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ² / ndf 92.44 / 81
p0 306.4 ± 474.7
pull
Entries 82
Mean 35.12
Std Dev 27.21
pull1D
Entries 82
Mean −0.1745
Std Dev 1.047

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 71.99 / 82
p0 −12.77 ± 494.1
1000
500
0
−500
−1000
pull
Entries 83
Mean 279.6
Std Dev 151
2
1
0
−1
−2
−3

pull1D
Entries 83
Mean −0.001755
Std Dev 0.9313
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 96.61 / 84
p0 −294 ± 426.5
1500
1000
500
0
−500
−1000
−1500
pull
Entries 85
Mean 30.3
Std Dev 26.75
2
1
0
−1
−2
−3

pull1D
Entries 85
Mean 0.1634
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 73.66 / 79
p0 −20.4 ± 570.1
1000
500
0
−500
−1000
pull
Entries 80
Mean −24.54
Std Dev 172.6
3
2
1
0
−1
−2

pull1D
Entries 80
Mean −0.002175
Std Dev 0.9596
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 77.58 / 85
p0 −7.902 ± 15.94
pull
Entries 86
Mean −28.12
Std Dev 85.67
pull1D
Entries 86
Mean −0.01426
Std Dev 0.9497

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 17.21 / 85
p0 −39.45 ± 2.992
pull
Entries 86
Mean −207
Std Dev 247.6
pull1D
Entries 86
Mean 0.01418
Std Dev 0.4472

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.407 / 85
p0 19.6 ± 3.115
pull
Entries 86
Mean −198.5
Std Dev 246.9

pull1D
Entries 86
Mean −0.004831
Std Dev 0.3307

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.69 / 85
p0 37.92 ± 2.692
pull
Entries 86
Mean −200
Std Dev 240.8

pull1D
Entries 86
Mean −0.01517
Std Dev 0.4532

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.337 / 85
p0 3.324 ± 3.591
pull
Entries 86
Mean −89.94
Std Dev 142.3

pull1D
Entries 86
Mean 0.006015
Std Dev 0.3295

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 28.64 / 85
p0 −40.99 ± 0.1008
pull
Entries 86
Mean 861.6
Std Dev 820.8

pull1D
Entries 86
Mean −0.01042
Std Dev 0.577

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 14.71 / 85
p0 −13.65 ± 2.705
pull
Entries 86
Mean −56.67
Std Dev 79.99

pull1D
Entries 86
Mean −0.008618
Std Dev 0.4134

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.89 / 85
p0 −4.413 ± 2.816
pull
Entries 86
Mean −1752
Std Dev 1816

pull1D
Entries 86
Mean −0.001355
Std Dev 0.5045

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.5 / 85
p0 −48.22 ± 2.433
pull
Entries 86
Mean −64.08
Std Dev 90.08

pull1D
Entries 86
Mean 0.008543
Std Dev 0.4105

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.99 / 85
p0 8.986 ± 3.246
pull
Entries 86
Mean −1141
Std Dev 1203

pull1D
Entries 86
Mean 0.00217
Std Dev 0.5056

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 18.31 / 85
p0 0.01053 ± 0.09106
pull
Entries 86
Mean 156.5
Std Dev 63.98

pull1D
Entries 86
Mean −0.00421
Std Dev 0.4614

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 94.21 / 85
p0 159.4 ± 237.7
pull
Entries 86
Mean 30.81
Std Dev 27.03

pull1D
Entries 86
Mean −0.1568
Std Dev 1.035

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 72.71 / 84
p0 −7.872 ± 247.5
pull
Entries 85
Mean 39.41
Std Dev 69.6

pull1D
Entries 85
Mean −0.01525
Std Dev 0.9248

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 95.82 / 85
p0 −151.8 ± 213.6
pull
Entries 86
Mean 30.57
Std Dev 27.1

pull1D
Entries 86
Mean 0.164
Std Dev 1.043

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 74.71 / 84
p0 −5.791 ± 285.5
pull
Entries 85
Mean 11.03
Std Dev 68.52

pull1D
Entries 85
Mean 0.01246
Std Dev 0.9374

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 77.43 / 85
p0 −3.292 ± 7.98
pull
Entries 86
Mean −24.61
Std Dev 81.58
pull1D
Entries 86
Mean −0.01516
Std Dev 0.9488

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 95.89 / 85
p0 −147.4 ± 237.6
pull
Entries 86
Mean 31
Std Dev 26.91
pull1D
Entries 86
Mean 0.1559
Std Dev 1.044

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 72.98 / 84
p0 4.692 ± 247.3
pull
Entries 85
Mean 39.32
Std Dev 71.05

pull1D
Entries 85
Mean 0.0147
Std Dev 0.9265

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 97.47 / 85
p0 142.2 ± 213.4
pull
Entries 86
Mean 30.75
Std Dev 27
pull1D
Entries 86
Mean −0.1632
Std Dev 1.052

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 74.92 / 84
p0 14.79 ± 285.3
pull
Entries 85
Mean 10.32
Std Dev 69.65

pull1D
Entries 85
Mean −0.0121
Std Dev 0.9387

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 77.74 / 85
p0 4.616 ± 7.975
pull
Entries 86
Mean −32.3
Std Dev 90.41
pull1D
Entries 86
Mean 0.01335
Std Dev 0.9507

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 93.5 / 85
p0 −30.12 ± 3.247
pull
Entries 86
Mean −1942
Std Dev 1988

pull1D
Entries 86
Mean 0.003165
Std Dev 1.043

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 97.08 / 85
p0 1.376 ± 3.389
pull
Entries 86
Mean −182.4
Std Dev 232.3
pull1D
Entries 86
Mean −0.02086
Std Dev 1.062

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 91.82 / 85
p0 −1.702 ± 2.921
pull
Entries 86
Mean −1187
Std Dev 1233

pull1D
Entries 86
Mean −0.004944
Std Dev 1.033

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 95.77 / 85
p0 13.15 ± 3.907
150
100
50
0
−50
−100
pull
Entries 86
Mean −173.8
Std Dev 223.9
2
1
0
−1
−2

pull1D
Entries 86
Mean 0.02208
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 125.8 / 85
p0 −20.37 ± 0.1096
pull
Entries 86
Mean 908.4
Std Dev 860.3

pull1D
Entries 86
Mean −0.0109
Std Dev 1.21

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 90.87 / 85
p0 −23.35 ± 3.253
pull
Entries 86
Mean 437.3
Std Dev 391.2
pull1D
Entries 86
Mean 0.009316
Std Dev 1.028

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 99.85 / 85
p0 14.16 ± 3.395
pull
Entries 86
Mean −103.2
Std Dev 135.7

pull1D
Entries 86
Mean 0.01017
Std Dev 1.077

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.08 / 85
p0 −8.233 ± 2.926
pull
Entries 86
Mean 410.2
Std Dev 364.2

pull1D
Entries 86
Mean −0.009228
Std Dev 1.018

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 100.3 / 85
p0 −1.184 ± 3.914
pull
Entries 86
Mean −127.1
Std Dev 162.1

pull1D
Entries 86
Mean −0.01044
Std Dev 1.08

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 100.4 / 85
p0 −20.64 ± 0.1097
pull
Entries 86
Mean 135
Std Dev 58.43

pull1D
Entries 86
Mean 0.0134
Std Dev 1.08

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 95.01 / 85
p0 141.9 ± 237.5
pull
Entries 86
Mean 30.93
Std Dev 26.97

pull1D
Entries 86
Mean −0.1564
Std Dev 1.039

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 72.86 / 84
p0 4.481 ± 247.3
pull
Entries 85
Mean 39.29
Std Dev 70.36

pull1D
Entries 85
Mean −0.01498
Std Dev 0.9257

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 96.6 / 85
p0 −105.3 ± 213.4
pull
Entries 86
Mean 30.68
Std Dev 27.05
pull1D
Entries 86
Mean 0.1637
Std Dev 1.047

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 74.83 / 84
p0 −11.83 ± 285.3
pull
Entries 85
Mean 10.65
Std Dev 69.07

pull1D
Entries 85
Mean 0.01229
Std Dev 0.9382

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 77.73 / 85
p0 −24.26 ± 7.974
pull
Entries 86
Mean −25.82
Std Dev 83.41
pull1D
Entries 86
Mean −0.01466
Std Dev 0.9506

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 95.05 / 85
p0 −164.9 ± 237.6
pull
Entries 86
Mean 30.89
Std Dev 26.97

pull1D
Entries 86
Mean 0.1563
Std Dev 1.04

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 72.83 / 84
p0 17.07 ± 247.3
×10^3
pull
Entries 85
Mean 39.43
Std Dev 70.28

pull1D
Entries 85
Mean 0.01498
Std Dev 0.9255

reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 96.66 / 85
p0 188.6 ± 213.4
pull
Entries 86
Mean 30.64
Std Dev 27.05

pull1D
Entries 86
Mean −0.1635
Std Dev 1.047

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 74.8 / 84
p0 8.735 ± 285.3
pull
Entries 85
Mean 10.68
Std Dev 69.09

pull1D
Entries 85
Mean −0.01226
Std Dev 0.938

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 77.42 / 85
p0 −16.35 ± 7.975
pull
Entries 86
Mean −30.67
Std Dev 88.16
pull1D
Entries 86
Mean 0.01386
Std Dev 0.9487

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 4.801 / 85
p0 −9.074 ± 0.5369
pull
Entries 86
Mean −14.5
Std Dev 23.63
pull1D
Entries 86
Mean −0.002834
Std Dev 0.2363

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.06 / 85
p0 31.9 ± 0.559
pull
Entries 86
Mean −881
Std Dev 917

pull1D
Entries 86
Mean 0.004234
Std Dev 0.3421

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.749 / 85
p0 6.28 ± 0.4829
pull
Entries 86
Mean 490.6
Std Dev 440.6

pull1D
Entries 86
Mean 0.002126
Std Dev 0.235

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.743 / 85
p0 21.37 ± 0.6444
pull
Entries 86
Mean −1118
Std Dev 1156

pull1D
Entries 86
Mean −0.003065
Std Dev 0.3366

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 8.602 / 85
p0 −0.3873 ± 0.01808
pull
Entries 86
Mean −516.1
Std Dev 550.1
pull1D
Entries 86
Mean −0.002974
Std Dev 0.3163

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.02 / 85
p0 −3.019 ± 1.155
pull
Entries 86
Mean 115.1
Std Dev 81.09
pull1D
Entries 86
Mean −0.004197
Std Dev 0.1532

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.592 / 85
p0 −96.08 ± 1.202
pull
Entries 86
Mean 2083
Std Dev 2044

pull1D
Entries 86
Mean −0.0004878
Std Dev 0.2311

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.089 / 85
p0 −5.744 ± 1.039
pull
Entries 86
Mean 107.3
Std Dev 74.83

pull1D
Entries 86
Mean 0.00453
Std Dev 0.1558

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.373 / 85
p0 3.112 ± 1.386
pull
Entries 86
Mean −1965
Std Dev 2003

pull1D
Entries 86
Mean −0.0006297
Std Dev 0.2255

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.513 / 85
p0 0.8113 ± 0.03887
pull
Entries 86
Mean −837.7
Std Dev 873.7
pull1D
Entries 86
Mean −0.00146
Std Dev 0.1709

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 3.256 / 85
p0 −54.77 ± 3.522
pull
Entries 86
Mean −101.5
Std Dev 137.2

pull1D
Entries 86
Mean −0.006733
Std Dev 0.1945

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.197 / 85
p0 10.58 ± 3.667
pull
Entries 86
Mean 2719
Std Dev 2661
pull1D
Entries 86
Mean 0.0003466
Std Dev 0.1928

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.821 / 85
p0 −37.26 ± 3.168
pull
Entries 86
Mean 39.41
Std Dev 54.48

pull1D
Entries 86
Mean 0.005902
Std Dev 0.181

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.201 / 85
p0 −3.047 ± 4.227
pull
Entries 86
Mean 2284
Std Dev 2227

pull1D
Entries 86
Mean −0.0004032
Std Dev 0.1929

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.668 / 85
p0 −0.5346 ± 0.1186
pull
Entries 86
Mean 26.15
Std Dev 90.66
pull1D
Entries 86
Mean −0.003794
Std Dev 0.2065

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.716 / 85
p0 −53.25 ± 1.839
pull
Entries 86
Mean −93.13
Std Dev 110.6

pull1D
Entries 86
Mean −0.002844
Std Dev 0.2342

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.574 / 85
p0 −7.102 ± 1.916
pull
Entries 86
Mean −1163
Std Dev 1242

pull1D
Entries 86
Mean −0.0004643
Std Dev 0.2546

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.198 / 85
p0 3.022 ± 1.655
pull
Entries 86
Mean 848.2
Std Dev 790.9

pull1D
Entries 86
Mean 0.0009326
Std Dev 0.2209

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.632 / 85
p0 20.06 ± 2.209
pull
Entries 86
Mean −1783
Std Dev 1865

pull1D
Entries 86
Mean 0.0002987
Std Dev 0.2559

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.656 / 85
p0 −0.3057 ± 0.06196
pull
Entries 86
Mean 34.85
Std Dev 91.74

pull1D
Entries 86
Mean −0.005123
Std Dev 0.2782

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 5.48 / 85
p0 −47.88 ± 3.075
pull
Entries 86
Mean −57.51
Std Dev 94.06
pull1D
Entries 86
Mean −0.01157
Std Dev 0.2522

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.42 / 85
p0 −29.86 ± 3.202
pull
Entries 86
Mean −1787
Std Dev 1849
pull1D
Entries 86
Mean −0.0006281
Std Dev 0.1994

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.983 / 85
p0 −28.35 ± 2.767
pull
Entries 86
Mean 40.82
Std Dev 47.17
pull1D
Entries 86
Mean 0.01027
Std Dev 0.2405

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.25 / 85
p0 2.928 ± 3.691
pull
Entries 86
Mean −1941
Std Dev 2023

pull1D
Entries 86
Mean 0.0002367
Std Dev 0.1944

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.126 / 85
p0 0.8287 ± 0.1036
pull
Entries 86
Mean 78.45
Std Dev 123.2

pull1D
Entries 86
Mean −0.003202
Std Dev 0.219

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.176 / 85
p0 −55.39 ± 6.263
pull
Entries 86
Mean −95.98
Std Dev 141.7

pull1D
Entries 86
Mean −0.004917
Std Dev 0.1169

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 0.5394 / 85
p0 −155.7 ± 6.516
pull
Entries 86
Mean −22.25
Std Dev 163.8

pull1D
Entries 86
Mean −0.0005112
Std Dev 0.0792

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.187 / 85
p0 −88.65 ± 5.634
pull
Entries 86
Mean −54.43
Std Dev 100.3
pull1D
Entries 86
Mean 0.0053
Std Dev 0.1174

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 0.525 / 85
p0 20.34 ± 7.512
pull
Entries 86
Mean 337.5
Std Dev 341.2

pull1D
Entries 86
Mean 0.0003827
Std Dev 0.07813

reg_asym_sam_26_dd_diff_bpm12X_slope vs run

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 2.34 / 85
p0 −60.01 ± 4.452
pull
Entries 86
Mean −92.14
Std Dev 131.2
pull1D
Entries 86
Mean −0.007974
Std Dev 0.1647

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.271 / 85
p0 69.53 ± 4.637
pull
Entries 86
Mean −2608
Std Dev 2637

pull1D
Entries 86
Mean 0.000213
Std Dev 0.1216

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.077 / 85
p0 −60.58 ± 4.005
pull
Entries 86
Mean −4.518
Std Dev 31.66
pull1D
Entries 86
Mean 0.007864
Std Dev 0.1552

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.178 / 85
p0 40.08 ± 5.345
pull
Entries 86
Mean −243.4
Std Dev 188.7

pull1D
Entries 86
Mean −0.000357
Std Dev 0.117

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1.812 / 85
p0 −2.128 ± 0.1499
pull
Entries 86
Mean −149.1
Std Dev 174.8
pull1D
Entries 86
Mean −0.002897
Std Dev 0.1451

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.832 / 85
p0 −57.41 ± 3.53
pull
Entries 86
Mean −93.76
Std Dev 132.4
pull1D
Entries 86
Mean −0.006618
Std Dev 0.1458

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.535 / 85
p0 82.17 ± 3.678
pull
Entries 86
Mean 228.9
Std Dev 216.9

pull1D
Entries 86
Mean −0.001133
Std Dev 0.1336

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1.591 / 85
p0 −38.58 ± 3.176
pull
Entries 86
Mean 4.21
Std Dev 7.257

pull1D
Entries 86
Mean 0.006311
Std Dev 0.1359

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.488 / 85
p0 33.56 ± 4.24
pull
Entries 86
Mean −222.1
Std Dev 295.2
pull1D
Entries 86
Mean 0.0009596
Std Dev 0.1316

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.816 / 85
p0 −1.57 ± 0.1189
pull
Entries 86
Mean −19.1
Std Dev 44.33
pull1D
Entries 86
Mean −0.0028
Std Dev 0.1453

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 2.161 / 85
p0 −28.16 ± 1.302
pull
Entries 86
Mean −2.316
Std Dev 35.65

pull1D
Entries 86
Mean −0.002931
Std Dev 0.1585

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.071 / 85
p0 −51.6 ± 1.355
pull
Entries 86
Mean 199.9
Std Dev 374.8
pull1D
Entries 86
Mean −0.0002906
Std Dev 0.189

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.955 / 85
p0 −1.35 ± 1.172
pull
Entries 86
Mean 338.8
Std Dev 286.6

pull1D
Entries 86
Mean 0.002258
Std Dev 0.1508

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 3.043 / 85
p0 11.59 ± 1.562
pull
Entries 86
Mean 5.413e+04
Std Dev 5.419e+04
pull1D
Entries 86
Mean 3.186e−06
Std Dev 0.1881

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 3.518 / 85
p0 0.2525 ± 0.04383
pull
Entries 86
Mean −115.6
Std Dev 121
pull1D
Entries 86
Mean −0.00372
Std Dev 0.2022

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 2.271 / 85
p0 22.88 ± 1.805
pull
Entries 86
Mean −136.1
Std Dev 172.3

pull1D
Entries 86
Mean 0.005133
Std Dev 0.1624

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.654 / 85
p0 10.67 ± 1.879
pull
Entries 86
Mean 6.494e+04
Std Dev 6.489e+04

pull1D
Entries 86
Mean −2.3e−05
Std Dev 0.1757

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1.946 / 85
p0 21.75 ± 1.624
pull
Entries 86
Mean 9.725
Std Dev 46.4

pull1D
Entries 86
Mean −0.004647
Std Dev 0.1503

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.684 / 85
p0 12.2 ± 2.166
pull
Entries 86
Mean −1.307e+05
Std Dev 1.307e+05

pull1D
Entries 86
Mean −1.083e−05
Std Dev 0.1767

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.461 / 85
p0 0.07403 ± 0.06077
pull
Entries 86
Mean 109.9
Std Dev 70.02

pull1D
Entries 86
Mean 0.002869
Std Dev 0.1691

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.214 / 85
p0 −56.42 ± 4.719
pull
Entries 86
Mean −103.3
Std Dev 146.1

pull1D
Entries 86
Mean −0.005419
Std Dev 0.1187

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.4201 / 85
p0 −36.78 ± 4.912
pull
Entries 86
Mean 132.6
Std Dev 171.1
pull1D
Entries 86
Mean −0.000616
Std Dev 0.06989

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.122 / 85
p0 −63.6 ± 4.245
pull
Entries 86
Mean −33.35
Std Dev 74.65
pull1D
Entries 86
Mean 0.005703
Std Dev 0.1141

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.4169 / 85
p0 26.96 ± 5.663
pull
Entries 86
Mean −2.108
Std Dev 173.5
pull1D
Entries 86
Mean 0.0004875
Std Dev 0.06963

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5652 / 85
p0 0.1249 ± 0.1589
pull
Entries 86
Mean −368
Std Dev 383

pull1D
Entries 86
Mean −0.0007491
Std Dev 0.08106

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 2.232 / 85
p0 6.081 ± 0.9413
pull
Entries 86
Mean 548.4
Std Dev 502.3

pull1D
Entries 86
Mean −0.001181
Std Dev 0.1611

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.46 / 85
p0 −49.69 ± 0.981
pull
Entries 86
Mean −1850
Std Dev 1899

pull1D
Entries 86
Mean −0.001694
Std Dev 0.252

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.387 / 85
p0 16.09 ± 0.8467
pull
Entries 86
Mean 3861
Std Dev 3809
pull1D
Entries 86
Mean 0.0002082
Std Dev 0.1666

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.591 / 85
p0 −18.58 ± 1.131
pull
Entries 86
Mean −788.1
Std Dev 842.2

pull1D
Entries 86
Mean 0.001198
Std Dev 0.2043

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.445 / 85
p0 1.479 ± 0.03172
pull
Entries 86
Mean −1362
Std Dev 1419

pull1D
Entries 86
Mean 0.001048
Std Dev 0.2001

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 2.944 / 85
p0 −34.5 ± 2.273
pull
Entries 86
Mean −73.23
Std Dev 111.8

pull1D
Entries 86
Mean −0.009319
Std Dev 0.1848

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ2 / ndf 1.976 / 85
p0 50.71 ± 2.369
pull
Entries 86
Mean −1295
Std Dev 1327
pull1D
Entries 86
Mean 0.0007628
Std Dev 0.1516

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 2.615 / 85
p0 −27.18 ± 2.045
pull
Entries 86
Mean 13.39
Std Dev 20.05
pull1D
Entries 86
Mean 0.008901
Std Dev 0.1741

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.773 / 85
p0 30.74 ± 2.731
pull
Entries 86
Mean −444.8
Std Dev 467.5

pull1D
Entries 86
Mean −0.001075
Std Dev 0.1436

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 2.61 / 85
p0 −1.257 ± 0.0766
pull
Entries 86
Mean −146.5
Std Dev 174.4
pull1D
Entries 86
Mean −0.003956
Std Dev 0.1742

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 2.601 / 85
p0 −57.39 ± 3.961
pull
Entries 86
Mean −96.67
Std Dev 134.3

pull1D
Entries 86
Mean −0.007433
Std Dev 0.1738

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.837 / 85
p0 40.06 ± 4.125
pull
Entries 86
Mean 362.6
Std Dev 178.3

pull1D
Entries 86
Mean 0.000298
Std Dev 0.1461

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 2.261 / 85
p0 −48.92 ± 3.563
pull
Entries 86
Mean 11.75
Std Dev 30.34

pull1D
Entries 86
Mean 0.007027
Std Dev 0.162

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.83 / 85
p0 18.52 ± 4.756
pull
Entries 86
Mean 968.7
Std Dev 894.7

pull1D
Entries 86
Mean −0.000372
Std Dev 0.1459

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 2.471 / 85
p0 −1.332 ± 0.1334
pull
Entries 86
Mean −60.97
Std Dev 57.36

pull1D
Entries 86
Mean −0.003281
Std Dev 0.1695

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 7.458 / 85
p0 −28.42 ± 1.506
pull
Entries 86
Mean −42.39
Std Dev 78.32

pull1D
Entries 86
Mean −0.01446
Std Dev 0.2941

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.667 / 85
p0 1.022 ± 1.568
pull
Entries 86
Mean −1.384e+04
Std Dev 1.394e+04

pull1D
Entries 86
Mean −3.332e−05
Std Dev 0.233

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.786 / 85
p0 −11.07 ± 1.355
pull
Entries 86
Mean 53.13
Std Dev 44.5
pull1D
Entries 86
Mean 0.01245
Std Dev 0.2806

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.607 / 85
p0 12.17 ± 1.808
pull
Entries 86
Mean −133.3
Std Dev 129.1

pull1D
Entries 86
Mean −0.0009482
Std Dev 0.2315

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.025 / 85
p0 0.2215 ± 0.05074
pull
Entries 86
Mean 1.927
Std Dev 104.6

pull1D
Entries 86
Mean −0.004694
Std Dev 0.2646

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 4.062 / 85
p0 −51.32 ± 3.292
pull
Entries 86
Mean −74.84
Std Dev 110.9
pull1D
Entries 86
Mean −0.009038
Std Dev 0.2171

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.156 / 85
p0 −9.643 ± 3.428
pull
Entries 86
Mean −1.392e+04
Std Dev 1.398e+04

pull1D
Entries 86
Mean −7.389e−05
Std Dev 0.1916

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.584 / 85
p0 −32.81 ± 2.961
pull
Entries 86
Mean 40.08
Std Dev 50.04

pull1D
Entries 86
Mean 0.008016
Std Dev 0.204

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.08 / 85
p0 −0.06004 ± 3.952
pull
Entries 86
Mean 7005
Std Dev 6939

pull1D
Entries 86
Mean −0.0001008
Std Dev 0.1893

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.754 / 85
p0 0.1473 ± 0.1109
pull
Entries 86
Mean 47.6
Std Dev 107.7
pull1D
Entries 86
Mean −0.003601
Std Dev 0.2089

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.785 / 85
p0 25.51 ± 2.21
pull
Entries 86
Mean −116.6
Std Dev 156.2

pull1D
Entries 86
Mean 0.006626
Std Dev 0.1439

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7834 / 85
p0 −18.81 ± 2.301
pull
Entries 86
Mean 487
Std Dev 493.3

pull1D
Entries 86
Mean 0.0001955
Std Dev 0.09544

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.592 / 85
p0 33.4 ± 1.988
pull
Entries 86
Mean −28.45
Std Dev 62.37

pull1D
Entries 86
Mean −0.006756
Std Dev 0.1359

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 0.7926 / 85
p0 −9.349 ± 2.652
pull
Entries 86
Mean −1909
Std Dev 1969

pull1D
Entries 86
Mean −0.0001714
Std Dev 0.096

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.149 / 85
p0 0.8714 ± 0.0744
pull
Entries 86
Mean −139.4
Std Dev 160

pull1D
Entries 86
Mean 0.001915
Std Dev 0.1156

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 6.026 / 85
p0 2.605 ± 0.6505
pull
Entries 86
Mean −61.4
Std Dev 107.8

pull1D
Entries 86
Mean 0.01019
Std Dev 0.2645

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.857 / 85
p0 −29.45 ± 0.678
pull
Entries 86
Mean −2312
Std Dev 2358

pull1D
Entries 86
Mean −0.001901
Std Dev 0.3209

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.081 / 85
p0 11.66 ± 0.5852
pull
Entries 86
Mean −62.95
Std Dev 110.9

pull1D
Entries 86
Mean −0.01162
Std Dev 0.2657

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.957 / 85
p0 −21.59 ± 0.7816
pull
Entries 86
Mean −1486
Std Dev 1531

pull1D
Entries 86
Mean 0.001845
Std Dev 0.2844

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.639 / 85
p0 0.7964 ± 0.02192
pull
Entries 86
Mean −2296
Std Dev 2346

pull1D
Entries 86
Mean 0.0007469
Std Dev 0.2323

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.785 / 85
p0 19.44 ± 1.613
pull
Entries 86
Mean −73.58
Std Dev 110.7

pull1D
Entries 86
Mean 0.009171
Std Dev 0.2096

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.711 / 85
p0 30.89 ± 1.679
pull
Entries 86
Mean −1774
Std Dev 1827

pull1D
Entries 86
Mean 0.0009684
Std Dev 0.1776

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.439 / 85
p0 17.29 ± 1.451
pull
Entries 86
Mean 23.33
Std Dev 44.03

pull1D
Entries 86
Mean −0.008406
Std Dev 0.1998

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.419 / 85
p0 9.225 ± 1.935
pull
Entries 86
Mean −1116
Std Dev 1172

pull1D
Entries 86
Mean −0.0009078
Std Dev 0.1677

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.678 / 85
p0 −0.6076 ± 0.0543
pull
Entries 86
Mean 227.1
Std Dev 113.5
pull1D
Entries 86
Mean 0.002144
Std Dev 0.1765

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 22.89 / 85
p0 −3.472 ± 0.3057
pull
Entries 86
Mean 26.27
Std Dev 22.44

pull1D
Entries 86
Mean 0.02444
Std Dev 0.5153

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.37 / 85
p0 20.24 ± 0.3185
pull
Entries 86
Mean −103.7
Std Dev 222.7

pull1D
Entries 86
Mean 0.002439
Std Dev 0.4746

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.07 / 85
p0 −4.424 ± 0.275
pull
Entries 86
Mean 36.59
Std Dev 25.27
pull1D
Entries 86
Mean −0.02518
Std Dev 0.5285

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.99 / 85
p0 −2.999 ± 0.3672
pull
Entries 86
Mean 1452
Std Dev 1415

pull1D
Entries 86
Mean −0.002068
Std Dev 0.4821

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 16.63 / 85
p0 −0.6827 ± 0.0103
pull
Entries 86
Mean −1856
Std Dev 1951

pull1D
Entries 86
Mean −0.000413
Std Dev 0.4397

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 4.398 / 85
p0 −31.88 ± 1.756
pull
Entries 86
Mean −74.13
Std Dev 109.2

pull1D
Entries 86
Mean −0.008617
Std Dev 0.226

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.097 / 85
p0 21.25 ± 1.829
pull
Entries 86
Mean 434.7
Std Dev 332.1

pull1D
Entries 86
Mean 0.0008331
Std Dev 0.2183

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 3.849 / 85
p0 −15.52 ± 1.58
pull
Entries 86
Mean 58.6
Std Dev 49.62

pull1D
Entries 86
Mean 0.007303
Std Dev 0.2114

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.045 / 85
p0 9.17 ± 2.109
pull
Entries 86
Mean 356
Std Dev 263.8

pull1D
Entries 86
Mean −0.001143
Std Dev 0.2169

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.14 / 85
p0 −0.4602 ± 0.05916
pull
Entries 86
Mean −22.6
Std Dev 56.23

pull1D
Entries 86
Mean −0.00497
Std Dev 0.2444

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 3.423 / 85
p0 −53.94 ± 3.709
pull
Entries 86
Mean −74.43
Std Dev 112.5

pull1D
Entries 86
Mean −0.009651
Std Dev 0.1993

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.75 / 85
p0 19.82 ± 3.863
pull
Entries 86
Mean 7642
Std Dev 7493

pull1D
Entries 86
Mean 1.751e−05
Std Dev 0.1427

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.046 / 85
p0 −44.47 ± 3.337
pull
Entries 86
Mean 16.85
Std Dev 31.78
pull1D
Entries 86
Mean 0.009137
Std Dev 0.188

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.745 / 85
p0 21.51 ± 4.453
pull
Entries 86
Mean 825.2
Std Dev 676.7

pull1D
Entries 86
Mean −0.0001654
Std Dev 0.1425

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.5 / 85
p0 −0.6496 ± 0.1249
pull
Entries 86
Mean −49
Std Dev 43.64

pull1D
Entries 86
Mean −0.003174
Std Dev 0.1705

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 3.562 / 85
p0 11.03 ± 0.9823
pull
Entries 86
Mean −74.27
Std Dev 114.4

pull1D
Entries 86
Mean 0.01053
Std Dev 0.2033

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7579 / 85
p0 0.7115 ± 1.023
pull
Entries 86
Mean 99.3
Std Dev 183

pull1D
Entries 86
Mean 0.0006878
Std Dev 0.09387

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7858 / 85
p0 −6.169 ± 1.179
pull
Entries 86
Mean 147.9
Std Dev 195.6
pull1D
Entries 86
Mean −0.0007028
Std Dev 0.09558

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.29 / 85
p0 0.09473 ± 0.03308
pull
Entries 86
Mean −124.7
Std Dev 96.11
pull1D
Entries 86
Mean 0.001535
Std Dev 0.1225

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 3.605 / 85
p0 −42.91 ± 2.731
pull
Entries 86
Mean −74.38
Std Dev 111.5

pull1D
Entries 86
Mean −0.009325
Std Dev 0.2045

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.364 / 85
p0 20.53 ± 2.844
pull
Entries 86
Mean 745.6
Std Dev 619.3

pull1D
Entries 86
Mean 0.0002776
Std Dev 0.1658

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.172 / 85
p0 −29.99 ± 2.456
pull
Entries 86
Mean 28.3
Std Dev 41.84

pull1D
Entries 86
Mean 0.008571
Std Dev 0.1919

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.345 / 85
p0 15.34 ± 3.279
pull
Entries 86
Mean 465.3
Std Dev 347.3
pull1D
Entries 86
Mean −0.00048
Std Dev 0.1651

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 50.37 / 85
p0 15.41 ± 3.749
pull
Entries 86
Mean 280.7
Std Dev 243.1

pull1D
Entries 86
Mean 0.001961
Std Dev 0.7653

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 66.65 / 85
p0 0.1968 ± 3.906
pull
Entries 86
Mean 123.5
Std Dev 28.11

pull1D
Entries 86
Mean 0.01421
Std Dev 0.8802

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 50.44 / 85
p0 20.01 ± 3.372
pull
Entries 86
Mean 175.8
Std Dev 136.1

pull1D
Entries 86
Mean −0.002707
Std Dev 0.7659

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 68.14 / 85
p0 2.693 ± 4.502
pull
Entries 86
Mean 86.53
Std Dev 78.87
pull1D
Entries 86
Mean −0.01413
Std Dev 0.89

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 89.26 / 85
p0 3.477 ± 0.1263
pull
Entries 86
Mean 101.4
Std Dev 112.1

pull1D
Entries 86
Mean −0.0134
Std Dev 1.019

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 11.52 / 85
p0 −274.9 ± 14.84
pull
Entries 86
Mean −139.5
Std Dev 184.5

pull1D
Entries 86
Mean 0.01512
Std Dev 0.3657

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.31 / 85
p0 81.36 ± 15.46
pull
Entries 86
Mean −51.57
Std Dev 124.4

pull1D
Entries 86
Mean −0.002815
Std Dev 0.2239

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 11.81 / 85
p0 183.2 ± 13.35
pull
Entries 86
Mean −122.4
Std Dev 167.4

pull1D
Entries 86
Mean −0.01663
Std Dev 0.3702

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.325 / 85
p0 24.11 ± 17.82
pull
Entries 86
Mean −51.62
Std Dev 123.8

pull1D
Entries 86
Mean 0.002742
Std Dev 0.2242

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 5.191 / 85
p0 −250.2 ± 0.5003
pull
Entries 86
Mean 456.8
Std Dev 419.6

pull1D
Entries 86
Mean −0.002377
Std Dev 0.2457

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 56.07 / 85
p0 −69.43 ± 4.879
pull
Entries 86
Mean −4.794
Std Dev 62.41

pull1D
Entries 86
Mean 0.03409
Std Dev 0.8068

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 61.52 / 85
p0 12.52 ± 5.086
pull
Entries 86
Mean 56.67
Std Dev 32.24

pull1D
Entries 86
Mean −0.0285
Std Dev 0.8453

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 56.95 / 85
p0 9.383 ± 4.389
pull
Entries 86
Mean −9.882
Std Dev 66.59

pull1D
Entries 86
Mean −0.03395
Std Dev 0.8131

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 62.81 / 85
p0 16.3 ± 5.863
pull
Entries 86
Mean 83.75
Std Dev 24.68

pull1D
Entries 86
Mean 0.02739
Std Dev 0.8541

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 111.3 / 85
p0 −56.67 ± 0.1645
pull
Entries 86
Mean −297.8
Std Dev 340.5

pull1D
Entries 86
Mean 0.01983
Std Dev 1.138

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 8.169 / 85
p0 −273.1 ± 22.97
pull
Entries 86
Mean −110.3
Std Dev 159.1

pull1D
Entries 86
Mean 0.008938
Std Dev 0.3081

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.104 / 85
p0 116.2 ± 23.91
pull
Entries 86
Mean −102.9
Std Dev 148.4

pull1D
Entries 86
Mean 0.002667
Std Dev 0.2184

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 8.258 / 85
p0 354.3 ± 20.66
pull
Entries 86
Mean −97.71
Std Dev 146.6

pull1D
Entries 86
Mean −0.009896
Std Dev 0.3097

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.092 / 85
p0 −23.92 ± 27.57
400
200
0
−200
−400
pull
Entries 86
Mean −85.64
Std Dev 134
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 86
Mean −0.002902
Std Dev 0.2181
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 5.627 / 85
p0 −295.3 ± 0.7737
pull
Entries 86
Mean 64.24
Std Dev 34.02
pull1D
Entries 86
Mean −0.004759
Std Dev 0.2558

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.38 / 85
p0 −129.1 ± 7.999
pull
Entries 86
Mean −117.3
Std Dev 163.1

pull1D
Entries 86
Mean 0.01407
Std Dev 0.3792

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.809 / 85
p0 41.26 ± 8.329
pull
Entries 86
Mean 367.6
Std Dev 292.9

pull1D
Entries 86
Mean 0.002082
Std Dev 0.3013

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.74 / 85
p0 101 ± 7.196
pull
Entries 86
Mean −102.3
Std Dev 148.1

pull1D
Entries 86
Mean −0.0156
Std Dev 0.3846

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.952 / 85
p0 12.82 ± 9.602
pull
Entries 86
Mean 313
Std Dev 227.3
pull1D
Entries 86
Mean −0.001999
Std Dev 0.3041

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 10.32 / 85
p0 −123.4 ± 0.2695
pull
Entries 86
Mean 231
Std Dev 169
pull1D
Entries 86
Mean −0.005712
Std Dev 0.3463

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 17.08 / 85
p0 145.6 ± 7.336
pull
Entries 86
Mean −169.9
Std Dev 214.4

pull1D
Entries 86
Mean −0.01446
Std Dev 0.4455

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.41 / 85
p0 −39.99 ± 7.643
pull
Entries 86
Mean 71.54
Std Dev 8.448

pull1D
Entries 86
Mean 0.007177
Std Dev 0.3478

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 17.39 / 85
p0 −82.02 ± 6.6
pull
Entries 86
Mean −148.9
Std Dev 193.6
pull1D
Entries 86
Mean 0.01589
Std Dev 0.4494

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.53 / 85
p0 −11.45 ± 8.811
pull
Entries 86
Mean 54.16
Std Dev 36.85
pull1D
Entries 86
Mean −0.00681
Std Dev 0.3498

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.19 / 85
p0 126.8 ± 0.2473
pull
Entries 86
Mean 943.6
Std Dev 940.4

pull1D
Entries 86
Mean 0.0008717
Std Dev 0.3442

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 10.39 / 85
p0 −170.2 ± 12.64
pull
Entries 86
Mean −56.26
Std Dev 109
pull1D
Entries 86
Mean 0.01426
Std Dev 0.3473

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.213 / 85
p0 63.09 ± 13.16
pull
Entries 86
Mean 284.8
Std Dev 238.1

pull1D
Entries 86
Mean −0.002335
Std Dev 0.2688

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.68 / 85
p0 180.8 ± 11.37
pull
Entries 86
Mean −54.55
Std Dev 107.1

pull1D
Entries 86
Mean −0.01501
Std Dev 0.352

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 6.222 / 85
p0 −2.43 ± 15.17
pull
Entries 86
Mean 379.3
Std Dev 332.7

pull1D
Entries 86
Mean 0.002055
Std Dev 0.269

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 11.85 / 85
p0 −176 ± 0.4259
pull
Entries 86
Mean 697.3
Std Dev 651.5

pull1D
Entries 86
Mean −0.002047
Std Dev 0.3712

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 12.96 / 85
p0 102.8 ± 10.8
pull
Entries 86
Mean −497.7
Std Dev 541.1
pull1D
Entries 86
Mean −0.002325
Std Dev 0.3883

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.62 / 85
p0 −52.78 ± 11.24
pull
Entries 86
Mean 23.58
Std Dev 14.73

pull1D
Entries 86
Mean −0.009537
Std Dev 0.3513

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 13.01 / 85
p0 −173.4 ± 9.714
pull
Entries 86
Mean −313.2
Std Dev 356.8

pull1D
Entries 86
Mean 0.003504
Std Dev 0.3889

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 10.63 / 85
p0 21.18 ± 12.96
pull
Entries 86
Mean 42.68
Std Dev 14.2

pull1D
Entries 86
Mean 0.009641
Std Dev 0.3515

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.523 / 85
p0 119.3 ± 0.3638
pull
Entries 86
Mean −98.53
Std Dev 138.4

pull1D
Entries 86
Mean 0.009555
Std Dev 0.3147

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 47.54 / 85
p0 −26.79 ± 3.129
pull
Entries 86
Mean 16.17
Std Dev 47.3
pull1D
Entries 86
Mean 0.03111
Std Dev 0.7428

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.46 / 85
p0 6.579 ± 3.26
pull
Entries 86
Mean 4.815
Std Dev 61.7
pull1D
Entries 86
Mean −0.01457
Std Dev 0.8521

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 48.26 / 85
p0 14.48 ± 2.815
pull
Entries 86
Mean 10.49
Std Dev 50.3
pull1D
Entries 86
Mean −0.03138
Std Dev 0.7484

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.35 / 85
p0 9.197 ± 3.759
pull
Entries 86
Mean 66.03
Std Dev 61.29
pull1D
Entries 86
Mean 0.01411
Std Dev 0.8649

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 127 / 85
p0 −26.59 ± 0.1054
pull
Entries 86
Mean −1158
Std Dev 1212

pull1D
Entries 86
Mean 0.004787
Std Dev 1.215

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 64.18 / 85
p0 42.78 ± 3.05
pull
Entries 86
Mean −17.13
Std Dev 69.94

pull1D
Entries 86
Mean −0.02933
Std Dev 0.8633

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 69.8 / 85
p0 −5.984 ± 3.18
pull
Entries 86
Mean 76.78
Std Dev 37.02
pull1D
Entries 86
Mean 0.03575
Std Dev 0.9002

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 64.86 / 85
p0 4.991 ± 2.744
pull
Entries 86
Mean −20.66
Std Dev 73.67

pull1D
Entries 86
Mean 0.02882
Std Dev 0.8679

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.48 / 85
p0 −7.015 ± 3.665
pull
Entries 86
Mean 85.1
Std Dev 29.57
pull1D
Entries 86
Mean −0.0347
Std Dev 0.9046

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 77.77 / 85
p0 30.09 ± 0.1028
pull
Entries 86
Mean −115.6
Std Dev 143.9

pull1D
Entries 86
Mean −0.03111
Std Dev 0.9504

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.713 / 85
p0 −274 ± 18.58
pull
Entries 86
Mean −126.9
Std Dev 173.6

pull1D
Entries 86
Mean 0.01143
Std Dev 0.2993

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.318 / 85
p0 98.77 ± 19.34
pull
Entries 86
Mean −238.5
Std Dev 258.3
pull1D
Entries 86
Mean 0.0004888
Std Dev 0.1642

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 7.895 / 85
p0 268.7 ± 16.71
pull
Entries 86
Mean −111.7
Std Dev 158.5

pull1D
Entries 86
Mean −0.01262
Std Dev 0.3027

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.293 / 85
p0 0.0813 ± 22.3
pull
Entries 86
Mean −154
Std Dev 179.1

pull1D
Entries 86
Mean −0.0006612
Std Dev 0.1633

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 3.974 / 85
p0 −272.7 ± 0.626
pull
Entries 86
Mean 162
Std Dev 118.9

pull1D
Entries 86
Mean −0.003789
Std Dev 0.2149

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 26.26 / 85
p0 0.8329 ± 5.362
pull
Entries 86
Mean −673.8
Std Dev 705.7
pull1D
Entries 86
Mean −0.001099
Std Dev 0.5526

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 26.18 / 85
p0 17.34 ± 5.583
pull
Entries 86
Mean −70.6
Std Dev 125.9

pull1D
Entries 86
Mean 0.01031
Std Dev 0.5516

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 26.01 / 85
p0 85.59 ± 4.824
pull
Entries 86
Mean −635.5
Std Dev 666

pull1D
Entries 86
Mean 0.001073
Std Dev 0.55

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.41 / 85
p0 −23.96 ± 6.437
pull
Entries 86
Mean −63.92
Std Dev 120.8

pull1D
Entries 86
Mean −0.0106
Std Dev 0.5541

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 23.46 / 85
p0 −22.55 ± 0.1806
pull
Entries 86
Mean −82.01
Std Dev 109.2

pull1D
Entries 86
Mean −0.008432
Std Dev 0.5222

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.53 / 85
p0 −128.1 ± 12.09
pull
Entries 86
Mean −89.39
Std Dev 140.1
pull1D
Entries 86
Mean 0.008156
Std Dev 0.3148

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.861 / 85
p0 58.88 ± 12.59
pull
Entries 86
Mean 33.84
Std Dev 49.59
pull1D
Entries 86
Mean 0.005122
Std Dev 0.261

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.669 / 85
p0 186.4 ± 10.88
pull
Entries 86
Mean −79.03
Std Dev 129.6
pull1D
Entries 86
Mean −0.009118
Std Dev 0.3174

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.858 / 85
p0 −11.46 ± 14.51
pull
Entries 86
Mean 20.61
Std Dev 44.12

pull1D
Entries 86
Mean −0.005214
Std Dev 0.2609

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 8.926 / 85
p0 −145.9 ± 0.4073
pull
Entries 86
Mean 77.92
Std Dev 69.48
pull1D
Entries 86
Mean −0.006523
Std Dev 0.3221

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 11.12 / 85
p0 145 ± 11.2
pull
Entries 86
Mean −130.8
Std Dev 178.3

pull1D
Entries 86
Mean −0.009422
Std Dev 0.3595

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.906 / 85
p0 −57.18 ± 11.66
pull
Entries 86
Mean −1739
Std Dev 1793

pull1D
Entries 86
Mean −0.0004247
Std Dev 0.2834

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.22 / 85
p0 −167.8 ± 10.07
pull
Entries 86
Mean −116.5
Std Dev 164.2
pull1D
Entries 86
Mean 0.01033
Std Dev 0.3611

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.007 / 85
p0 12.32 ± 13.44
pull
Entries 86
Mean −715.4
Std Dev 774.9
pull1D
Entries 86
Mean 0.0008586
Std Dev 0.2854

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 6.561 / 85
p0 149.4 ± 0.3773
156
154
152
150
148
146
144
pull
Entries 86
Mean 33.89
Std Dev 94.74
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 86
Mean 0.003011
Std Dev 0.2762
35
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
χ^2 / ndf 14.58 / 85
p0 −171.3 ± 8.823
pull
Entries 86
Mean −73.48
Std Dev 121.8

pull1D
Entries 86
Mean 0.02234
Std Dev 0.4111

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.95 / 85
p0 46.1 ± 9.191
pull
Entries 86
Mean 44.91
Std Dev 29.84
pull1D
Entries 86
Mean −0.01082
Std Dev 0.3566

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.98 / 85
p0 95.51 ± 7.938
pull
Entries 86
Mean −69.39
Std Dev 117.8

pull1D
Entries 86
Mean −0.02346
Std Dev 0.4167

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.92 / 85
p0 21.11 ± 10.6
pull
Entries 86
Mean 64.3
Std Dev 37.58
pull1D
Entries 86
Mean 0.01072
Std Dev 0.3562

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 16.65 / 85
p0 −153.4 ± 0.2974
pull
Entries 86
Mean −964.5
Std Dev 1006

pull1D
Entries 86
Mean 0.002642
Std Dev 0.4401

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 23.14 / 85
p0 103.2 ± 6.688
pull
Entries 86
Mean −855.3
Std Dev 896.4
pull1D
Entries 86
Mean −0.002941
Std Dev 0.5187

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.43 / 85
p0 −35.14 ± 6.969
pull
Entries 86
Mean 115.6
Std Dev 42.71
pull1D
Entries 86
Mean −0.008348
Std Dev 0.4096

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.64 / 85
p0 −87.38 ± 6.017
pull
Entries 86
Mean −499.2
Std Dev 540.2

pull1D
Entries 86
Mean 0.004752
Std Dev 0.5243

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.72 / 85
p0 −3.104 ± 8.034
pull
Entries 86
Mean 150.1
Std Dev 91.29
pull1D
Entries 86
Mean 0.008121
Std Dev 0.4136

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.77 / 85
p0 96.77 ± 0.2255
102
100
98
96
94
pull
Entries 86
Mean −84.5
Std Dev 132
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean 0.01011
Std Dev 0.4144
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 11.36 / 85
p0 124.5 ± 8.693
pull
Entries 86
Mean −197.8
Std Dev 241.6

pull1D
Entries 86
Mean −0.008834
Std Dev 0.3634

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.992 / 85
p0 −46.39 ± 9.053
pull
Entries 86
Mean −41.84
Std Dev 88.85

pull1D
Entries 86
Mean −0.002734
Std Dev 0.2639

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.54 / 85
p0 −128 ± 7.82
pull
Entries 86
Mean −164.1
Std Dev 207.9

pull1D
Entries 86
Mean 0.0102
Std Dev 0.3661

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.034 / 85
p0 4.854 ± 10.44
pull
Entries 86
Mean 21.69
Std Dev 48.32

pull1D
Entries 86
Mean 0.002997
Std Dev 0.2649

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.192 / 85
p0 123.1 ± 0.2929
128
126
124
122
120
pull
Entries 86
Mean −52.44
Std Dev 115.1
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 86
Mean 0.00538
Std Dev 0.2456
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 37.57 / 85
p0 21.58 ± 3.109
pull
Entries 86
Mean −58.13
Std Dev 103.9

pull1D
Entries 86
Mean −0.01448
Std Dev 0.6608

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ2 / ndf 44.74 / 85
p0 5.874 ± 3.238
150
100
50
0
−50
pull
Entries 86
Mean 37.16
Std Dev 21.67
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 86
Mean 0.03051
Std Dev 0.7206
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.37 / 85
p0 45.5 ± 2.797
pull
Entries 86
Mean −60.18
Std Dev 106.2
pull1D
Entries 86
Mean 0.01403
Std Dev 0.659

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.64 / 85
p0 −15.71 ± 3.733
pull
Entries 86
Mean 42.16
Std Dev 21.51
pull1D
Entries 86
Mean −0.03021
Std Dev 0.7199

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 37.31 / 85
p0 3.766 ± 0.1047
pull
Entries 86
Mean −86.22
Std Dev 113.8
pull1D
Entries 86
Mean −0.02477
Std Dev 0.6582

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 8.089 / 85
p0 −149.4 ± 10.12
pull
Entries 86
Mean −88.98
Std Dev 138.8

pull1D
Entries 86
Mean 0.01315
Std Dev 0.3064

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.162 / 85
p0 52.3 ± 10.53
pull
Entries 86
Mean 101.9
Std Dev 127.2
pull1D
Entries 86
Mean −0.001042
Std Dev 0.22

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.364 / 85
p0 140.6 ± 9.101
pull
Entries 86
Mean −81.9
Std Dev 131.7

pull1D
Entries 86
Mean −0.01416
Std Dev 0.3115

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.165 / 85
p0 5.035 ± 12.14
pull
Entries 86
Mean 245.2
Std Dev 234.2

pull1D
Entries 86
Mean 0.0009547
Std Dev 0.2201

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 9.077 / 85
p0 −149.7 ± 0.3409
pull
Entries 86
Mean 442.6
Std Dev 391.9

pull1D
Entries 86
Mean −0.003183
Std Dev 0.3249

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 39.21 / 85
p0 20.97 ± 3.087
pull
Entries 86
Mean 33.38
Std Dev 48.11

pull1D
Entries 86
Mean −0.01581
Std Dev 0.6751

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.57 / 85
p0 −11.18 ± 3.216
pull
Entries 86
Mean 248
Std Dev 187.3
pull1D
Entries 86
Mean 0.009423
Std Dev 0.6339

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.66 / 85
p0 −40.29 ± 2.778
pull
Entries 86
Mean 27.52
Std Dev 51.11

pull1D
Entries 86
Mean 0.01546
Std Dev 0.6789

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.3 / 85
p0 7.913 ± 3.707
pull
Entries 86
Mean 279.6
Std Dev 218.9

pull1D
Entries 86
Mean −0.008545
Std Dev 0.6407

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 36.5 / 85
p0 26.31 ± 0.104
pull
Entries 86
Mean −181.6
Std Dev 211.1

pull1D
Entries 86
Mean −0.006388
Std Dev 0.6515

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 155 / 85
p0 12.18 ± 0.2312
pull
Entries 86
Mean −130.4
Std Dev 177.1

pull1D
Entries 86
Mean 0.07963
Std Dev 1.34

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 78.48 / 85
p0 −1.94 ± 0.241
pull
Entries 86
Mean 3.627
Std Dev 151.3

pull1D
Entries 86
Mean 0.005287
Std Dev 0.9553

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 156 / 85
p0 −11 ± 0.2079
pull
Entries 86
Mean −123.8
Std Dev 170.9

pull1D
Entries 86
Mean −0.08195
Std Dev 1.344

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 78.24 / 85
p0 1.332 ± 0.2778
pull
Entries 86
Mean 113
Std Dev 144.8
pull1D
Entries 86
Mean −0.00563
Std Dev 0.9538

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 93.37 / 85
p0 0.2545 ± 0.007791
pull
Entries 86
Mean −200.3
Std Dev 230.9
pull1D
Entries 86
Mean 0.02701
Std Dev 1.042

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 154.9 / 85
p0 12.18 ± 0.2303
pull
Entries 86
Mean −130.2
Std Dev 177.1

pull1D
Entries 86
Mean 0.07952
Std Dev 1.34

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 78.01 / 85
p0 −2.132 ± 0.2401
pull
Entries 86
Mean 16.57
Std Dev 150.1
pull1D
Entries 86
Mean 0.005167
Std Dev 0.9524

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 155.8 / 85
p0 −11 ± 0.2071
pull
Entries 86
Mean −123.8
Std Dev 171

pull1D
Entries 86
Mean −0.08182
Std Dev 1.344

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 77.97 / 85
p0 1.561 ± 0.2768
pull
Entries 86
Mean 126.9
Std Dev 153.8
pull1D
Entries 86
Mean −0.005458
Std Dev 0.9521

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 92.24 / 85
p0 0.2577 ± 0.007761
pull
Entries 86
Mean −204.6
Std Dev 235.7

pull1D
Entries 86
Mean 0.02713
Std Dev 1.035

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 152.9 / 85
p0 12.25 ± 0.2313
pull
Entries 86
Mean −136.4
Std Dev 182.6

pull1D
Entries 86
Mean 0.07809
Std Dev 1.331

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 76.91 / 85
p0 −2.154 ± 0.2412
pull
Entries 86
Mean −29.52
Std Dev 197.2
pull1D
Entries 86
Mean 0.003196
Std Dev 0.9456

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 154 / 85
p0 −11.09 ± 0.2081
pull
Entries 86
Mean −129.7
Std Dev 176.1
pull1D
Entries 86
Mean −0.08035
Std Dev 1.336

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 92.81 / 85
p0 0.2588 ± 0.007796
pull
Entries 86
Mean −215.3
Std Dev 246.9

pull1D
Entries 86
Mean 0.02657
Std Dev 1.038

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 148 / 85
p0 12.35 ± 0.2314
pull
Entries 86
Mean −134.9
Std Dev 181.8

pull1D
Entries 86
Mean 0.07879
Std Dev 1.309

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 81.23 / 85
p0 −2.408 ± 0.2412
pull
Entries 86
Mean 1449
Std Dev 1348

pull1D
Entries 86
Mean −0.0007193
Std Dev 0.9719

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 149.4 / 85
p0 −11.18 ± 0.2081
pull
Entries 86
Mean −129.1
Std Dev 176.5

pull1D
Entries 86
Mean −0.08099
Std Dev 1.315

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 81.81 / 85
p0 1.884 ± 0.2781
pull
Entries 86
Mean 2569
Std Dev 2425

pull1D
Entries 86
Mean 0.0001854
Std Dev 0.9753

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ2 / ndf 93.19 / 85
p0 0.2638 ± 0.007797
pull
Entries 86
Mean −159
Std Dev 190
pull1D
Entries 86
Mean 0.02966
Std Dev 1.041

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 156 / 85
p0 12.32 ± 0.2342
pull
Entries 86
Mean −120
Std Dev 167.4

pull1D
Entries 86
Mean 0.07766
Std Dev 1.344

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 80.88 / 85
p0 −2.651 ± 0.2442
pull
Entries 86
Mean −604.8
Std Dev 671

pull1D
Entries 86
Mean 0.002378
Std Dev 0.9698

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 157.2 / 85
p0 −11.12 ± 0.2107
pull
Entries 86
Mean −115.1
Std Dev 162.8

pull1D
Entries 86
Mean −0.07962
Std Dev 1.35

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 81.54 / 85
p0 2.18 ± 0.2815
pull
Entries 86
Mean −261.8
Std Dev 331.1
pull1D
Entries 86
Mean −0.003092
Std Dev 0.9737

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 89.79 / 85
p0 0.2672 ± 0.007894
pull
Entries 86
Mean −170.9
Std Dev 202.7

pull1D
Entries 86
Mean 0.02739
Std Dev 1.021