dit_asym_us_avg_mean vs run
χ² / ndf 79.64 / 79
p0 −2344 ± 995.9
pull
Entries 80
Mean −794.8
Std Dev 838.9
pull1D
Entries 80
Mean −0.004484
Std Dev 0.9978

dit_asym_us_avg_rms vs run

asym_us_avg_correction_mean vs run
χ² / ndf 66.02 / 79
p0 −53.09 ± 1868
pull
Entries 80
Mean 163.4
Std Dev 132
pull1D
Entries 80
Mean −0.01388
Std Dev 0.9083

asym_us_avg_correction_rms vs run
χ2 / ndf 2.741e+04 / 79
p0 1586 ± 1.321
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_us_avg_mean vs run
χ² / ndf 74.97 / 79
p0 −2394 ± 2038
pull
Entries 80
Mean 263.9
Std Dev 226.3
pull1D
Entries 80
Mean 0.01452
Std Dev 0.9679

asym_us_avg_rms vs run
χ² / ndf 2.362e+04 / 79
p0 1732 ± 1.441
3500
3000
2500
2000
1500

dit_asym_us_dd_mean vs run
χ² / ndf 78.44 / 79
p0 1596 ± 926
pull
Entries 80
Mean −850.8
Std Dev 880.6
pull1D
Entries 80
Mean −0.001428
Std Dev 0.9902

dit_asym_us_dd_rms vs run
χ² / ndf 326.8 / 79
p0 793.5 ± 0.6548
850
840
830
820
810
800
790
780
770

asym_us_dd_correction_mean vs run
χ² / ndf 79.3 / 79
p0 3852 ± 2236
pull
Entries 80
Mean 262.9
Std Dev 224.3
pull1D
Entries 80
Mean −0.01065
Std Dev 0.9956

asym_us_dd_correction_rms vs run
χ² / ndf 1.787e+04 / 79
p0 1905 ± 1.581
3500
3000
2500
2000
1500

asym_us_dd_mean vs run
χ² / ndf 97.45 / 79
p0 2326 ± 1072
pull
Entries 80
Mean −632.6
Std Dev 673.2
pull1D
Entries 80
Mean −0.004481
Std Dev 1.104

asym_us_dd_rms vs run
χ² / ndf 383 / 79
p0 918.7 ± 0.7581
980
960
940
920
900
880

dit_asym_usl_mean vs run
χ² / ndf 82.76 / 79
p0 −855.6 ± 1324
pull
Entries 80
Mean 9659
Std Dev 9618
pull1D
Entries 80
Mean 0.0003802
Std Dev 1.017

dit_asym_usl_rms vs run

asym_usl_correction_mean vs run
χ² / ndf 69.78 / 79
p0 −711.8 ± 1839
pull
Entries 80
Mean 221.2
Std Dev 184
pull1D
Entries 80
Mean −0.01554
Std Dev 0.9338

asym_usl_correction_rms vs run
χ2 / ndf 2.614e+04 / 79
p0 1562 ± 1.3
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_usl_mean vs run
χ² / ndf 76.46 / 79
p0 −132.8 ± 2255
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 387.7
Std Dev 348.8
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.01269
Std Dev 0.9776
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_rms vs run
χ2 / ndf 1.575e+04 / 79
p0 1922 ± 1.595
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

dit_asym_usr_mean vs run
χ² / ndf 77.29 / 79
p0 −4031 ± 1395
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 1593
Std Dev 1542
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.001202
Std Dev 0.9829
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_usr_rms vs run

asym_usr_correction_mean vs run
χ² / ndf 68.14 / 79
p0 651.8 ± 2075
pull
Entries 80
Mean 80.37
Std Dev 69.11
pull1D
Entries 80
Mean −0.01238
Std Dev 0.9228

asym_usr_correction_rms vs run
χ^2 / ndf 2.471e+04 / 79
p0 1764 ± 1.468
3500
3000
2500
2000
1500

asym_usr_mean vs run
χ² / ndf 82.75 / 79
p0 −4572 ± 2368
pull
Entries 80
Mean 165.7
Std Dev 131.7
pull1D
Entries 80
Mean 0.01076
Std Dev 1.017

asym_usr_rms vs run
χ² / ndf 1.82e+04 / 79
p0 2017 ± 1.674
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

dit_asym_at1_avg_mean vs run
χ² / ndf 89.77 / 79
p0 −714.4 ± 2142
pull
Entries 80
Mean −243.4
Std Dev 286.7
pull1D
Entries 80
Mean −0.005458
Std Dev 1.059

dit_asym_at1_avg_rms vs run

asym_at1_avg_correction_mean vs run
χ² / ndf 70.42 / 79
p0 −82.08 ± 648.7
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 186.6
Std Dev 153.2
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.01424
Std Dev 0.9381
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_avg_correction_rms vs run

asym_at1_avg_mean vs run
χ² / ndf 89.21 / 79
p0 −511.9 ± 2245
pull
Entries 80
Mean −507.5
Std Dev 547.3
pull1D
Entries 80
Mean −0.003687
Std Dev 1.056

asym_at1_avg_rms vs run
χ² / ndf 1358 / 79
p0 1923 ± 1.588
2250
2200
2150
2100
2050
2000
1950
1900
1850
1800

dit_asym_at1_dd_mean vs run
χ² / ndf 89.11 / 79
p0 −187.4 ± 2127
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 233
Std Dev 191.9
pull1D
Entries 80
Mean 0.01566
Std Dev 1.055

dit_asym_at1_dd_rms vs run

asym_at1_dd_correction_mean vs run
χ² / ndf 97.99 / 79
p0 580.3 ± 445.2
pull
Entries 80
Mean −623.4
Std Dev 668.9
pull1D
Entries 80
Mean −0.005717
Std Dev 1.107

asym_at1_dd_correction_rms vs run

asym_at1_dd_mean vs run
χ² / ndf 88.84 / 79
p0 −711.7 ± 2173
pull
Entries 80
Mean 184.6
Std Dev 145.1
pull1D
Entries 80
Mean 0.01502
Std Dev 1.054

asym_at1_dd_rms vs run

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 76.67 / 79
p0 −708.3 ± 2949
pull
Entries 80
Mean 11.39
Std Dev 43.6

pull1D
Entries 80
Mean −0.02462
Std Dev 0.9786

dit_asym_at2_avg_rms vs run

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 65.94 / 79
p0 −84.27 ± 1.203e+04
pull
Entries 80
Mean 159.7
Std Dev 128.8
pull1D
Entries 80
Mean −0.01369
Std Dev 0.9078

asym_at2_avg_correction_rms vs run

asym_at2_avg_mean vs run
×10^3
χ² / ndf 63.95 / 79
p0 −1002 ± 1.189e+04
400
200
0
−200
−400
pull
Entries 80
Mean 174.3
Std Dev 141.8
3
2
1
0
−1
−2

pull1D
Entries 80
Mean 0.01208
Std Dev 0.894
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at2_avg_rms vs run
χ2 / ndf 2.924e+04 / 79
p0 1.009e+04 ± 8.406
22000
20000
18000
16000
14000
12000
10000
8000

dit_asym_at2_dd_mean vs run
χ² / ndf 78.78 / 79
p0 992.8 ± 1952
pull
Entries 80
Mean −5075
Std Dev 5080
pull1D
Entries 80
Mean −0.0002284
Std Dev 0.9923

dit_asym_at2_dd_rms vs run
χ² / ndf 4991 / 79
p0 1670 ± 1.38
2200
2100
2000
1900
1800
1700
1600
1500

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 81.15 / 79
p0 2791 ± 4033
pull
Entries 80
Mean −719.6
Std Dev 739.5

pull1D
Entries 80
Mean −0.002145
Std Dev 1.007

asym_at2_dd_correction_rms vs run

asym_at2_dd_mean vs run
χ² / ndf 83.08 / 79
p0 −1704 ± 2249
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −1202
Std Dev 1231
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.00152
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at2_dd_rms vs run
χ² / ndf 4272 / 79
p0 1925 ± 1.591
2300
2200
2100
2000
1900
1800

dit_asym_atl_avg_mean vs run
χ² / ndf 75.68 / 79
p0 −453 ± 2216
pull
Entries 80
Mean −357.3
Std Dev 396.8
pull1D
Entries 80
Mean −0.007602
Std Dev 0.9726

dit_asym_atl_avg_rms vs run

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 66.12 / 79
p0 −246.5 ± 5868
pull
Entries 80
Mean 165.7
Std Dev 134

pull1D
Entries 80
Mean −0.01401
Std Dev 0.909

asym_atl_avg_correction_rms vs run

asym_atl_avg_mean vs run
×10^3
χ² / ndf 64.39 / 79
p0 −957.5 ± 6074
200
100
0
−100
−200
pull
Entries 80
Mean 183.5
Std Dev 148.4
3
2
1
0
−1
−2

pull1D
Entries 80
Mean 0.019
Std Dev 0.897
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_avg_rms vs run
χ² / ndf 2.589e+04 / 79
p0 5159 ± 4.295
11000
10000
9000
8000
7000
6000
5000
4000

dit_asym_atl_dd_mean vs run
χ² / ndf 86.63 / 79
p0 298.6 ± 2123
pull
Entries 80
Mean −516.5
Std Dev 561.9
pull1D
Entries 80
Mean −0.002608
Std Dev 1.041

dit_asym_atl_dd_rms vs run

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 66.38 / 79
p0 665.6 ± 5246
pull
Entries 80
Mean 181.3
Std Dev 147.6
pull1D
Entries 80
Mean 0.01451
Std Dev 0.9108

asym_atl_dd_correction_rms vs run
χ² / ndf 2.712e+04 / 79
p0 4454 ± 3.709
9000
8000
7000
6000
5000
4000

asym_atl_dd_mean vs run
×10^3
χ² / ndf 65.91 / 79
p0 −1491 ± 5469
pull
Entries 80
Mean 306.2
Std Dev 280.6

pull1D
Entries 80
Mean −0.004768
Std Dev 0.9077

asym_atl_dd_rms vs run
χ² / ndf 2.361e+04 / 79
p0 4649 ± 3.867
10000
9000
8000
7000
6000
5000
4000

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 82.77 / 79
p0 −1581 ± 2637
pull
Entries 80
Mean 92.21
Std Dev 84.42

pull1D
Entries 80
Mean −0.01128
Std Dev 1.017

dit_asym_atr_avg_rms vs run
χ² / ndf 2.17e+04 / 79
p0 2243 ± 1.865
3400
3200
3000
2800
2600
2400
2200
2000
1800

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 66.19 / 79
p0 98.62 ± 6800
pull
Entries 80
Mean 155.6
Std Dev 125.2
pull1D
Entries 80
Mean −0.01366
Std Dev 0.9095

asym_atr_avg_correction_rms vs run

asym_atr_avg_mean vs run
χ^2 / ndf 67.78 / 79
p0 −1040 ± 6977
×10^3
300
200
100
0
−100
−200
pull
Entries 80
Mean 206.1
Std Dev 173.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 80
Mean 0.006827
Std Dev 0.9204
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_avg_rms vs run
χ^2 / ndf 2.803e+04 / 79
p0 5922 ± 4.933
12000
11000
10000
9000
8000
7000
6000
5000

dit_asym_atr_dd_mean vs run
χ² / ndf 84.01 / 79
p0 1022 ± 2561
pull
Entries 80
Mean 120.4
Std Dev 68.64

pull1D
Entries 80
Mean −0.005045
Std Dev 1.025

dit_asym_atr_dd_rms vs run

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 65.86 / 79
p0 −660.5 ± 6221
pull
Entries 80
Mean 135.1
Std Dev 108.4

pull1D
Entries 80
Mean 0.01273
Std Dev 0.9072

asym_atr_dd_correction_rms vs run
χ^2 / ndf 2.624e+04 / 79
p0 5284 ± 4.399
11000
10000
9000
8000
7000
6000
5000
4000

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 65.97 / 79
p0 1154 ± 6424
pull
Entries 80
Mean 129.5
Std Dev 97.67
pull1D
Entries 80
Mean −0.01178
Std Dev 0.908

asym_atr_dd_rms vs run
χ² / ndf 2.592e+04 / 79
p0 5457 ± 4.543
11000
10000
9000
8000
7000
6000
5000
4000

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 83.29 / 79
p0 −771.6 ± 1920
pull
Entries 80
Mean −28.39
Std Dev 77.94
pull1D
Entries 80
Mean −0.01993
Std Dev 1.02

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 4.946e+04 / 79
p0 1617 ± 1.358
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 66.14 / 79
p0 −74.94 ± 6332
pull
Entries 80
Mean 160.4
Std Dev 129.4

pull1D
Entries 80
Mean −0.01382
Std Dev 0.9091

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2.733e+04 / 79
p0 5376 ± 4.477
11000
10000
9000
8000
7000
6000
5000
4000

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 65.96 / 79
p0 −1129 ± 6356
200
100
0
−100
−200
pull
Entries 80
Mean 177.5
Std Dev 143.1
3
2
1
0
−1
−2

pull1D
Entries 80
Mean 0.01405
Std Dev 0.9079
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

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 76.94 / 79
p0 305.6 ± 1450
pull
Entries 80
Mean 243.6
Std Dev 211.3
pull1D
Entries 80
Mean 0.01496
Std Dev 0.9806

dit_asym_atl_avg_atr_avg_dd_rms vs run

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 69.83 / 79
p0 −194 ± 490.8
pull
Entries 80
Mean 66.06
Std Dev 59.28
pull1D
Entries 80
Mean 0.01348
Std Dev 0.9342

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 2.366e+04 / 79
p0 417.2 ± 0.347
800
700
600
500
400
300

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.46 / 79
p0 231.2 ± 1517
pull
Entries 80
Mean 190
Std Dev 154.6
pull1D
Entries 80
Mean 0.01941
Std Dev 0.9838

asym_atl_avg_atr_avg_dd_rms vs run

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 80.84 / 79
p0 601.6 ± 1832
pull
Entries 80
Mean −153.9
Std Dev 158
pull1D
Entries 80
Mean −0.002181
Std Dev 1.005

dit_asym_atl_dd_atr_dd_avg_rms vs run

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 65.73 / 79
p0 10.19 ± 5703
pull
Entries 80
Mean 158.8
Std Dev 128.1

pull1D
Entries 80
Mean 0.01354
Std Dev 0.9063

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ2 / ndf 2.689e+04 / 79
p0 4842 ± 4.032
10000
9000
8000
7000
6000
5000
4000

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 63.69 / 79
p0 −191.4 ± 5735
pull
Entries 80
Mean 178
Std Dev 149.2
pull1D
Entries 80
Mean −0.008755
Std Dev 0.8922

asym_atl_dd_atr_dd_avg_rms vs run

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 92.25 / 79
p0 −567.9 ± 1442
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 173.4
Std Dev 110.7
pull1D
Entries 80
Mean 0.01101
Std Dev 1.074

dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 86.43 / 79
p0 824.3 ± 762.7
pull
Entries 80
Mean −99.75
Std Dev 149.2
pull1D
Entries 80
Mean −0.01581
Std Dev 1.039

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 1.374e+04 / 79
p0 650.5 ± 0.5393
1000
900
800
700
600

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 93.22 / 79
p0 −1281 ± 1614
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 54.73
Std Dev 43.34
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.01401
Std Dev 1.079
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1356 / 79
p0 1382 ± 1.141
1550
1500
1450
1400
1350
1300

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 81.31 / 79
p0 −980.9 ± 2770
pull
Entries 80
Mean 413.1
Std Dev 371.1

pull1D
Entries 80
Mean 0.009447
Std Dev 1.008

dit_asym_atl1_rms vs run

asym_atl1_correction_mean vs run
χ² / ndf 75.32 / 79
p0 499.1 ± 736
pull
Entries 80
Mean −7.649
Std Dev 73.08
pull1D
Entries 80
Mean −0.01466
Std Dev 0.9702

asym_atl1_correction_rms vs run

asym_atl1_mean vs run
×10^3
χ² / ndf 80.47 / 79
p0 −1450 ± 2872
pull
Entries 80
Mean 288.6
Std Dev 248.4

pull1D
Entries 80
Mean 0.01289
Std Dev 1.003

asym_atl1_rms vs run
χ² / ndf 748 / 79
p0 2461 ± 2.031
2800
2750
2700
2650
2600
2550
2500
2450
2400
2350

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 78.53 / 79
p0 −198.1 ± 3224
pull
Entries 80
Mean −43.74
Std Dev 75.18

pull1D
Entries 80
Mean −0.01336
Std Dev 0.9907

dit_asym_atl2_rms vs run
χ² / ndf 6.348e+04 / 79
p0 2703 ± 2.28
4500
4000
3500
3000
2500
2000

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 66.2 / 79
p0 −914.2 ± 1.111e+04
pull
Entries 80
Mean 173.4
Std Dev 140.6

pull1D
Entries 80
Mean −0.01425
Std Dev 0.9095

asym_atl2_correction_rms vs run

asym_atl2_mean vs run
χ^2 / ndf 64.1 / 79
p0 495 ± 1.118e+04
×10^3
pull
Entries 80
Mean 203.8
Std Dev 171.5

pull1D
Entries 80
Mean 0.0129
Std Dev 0.895

asym_atl2_rms vs run
χ2 / ndf 2.68e+04 / 79
p0 9495 ± 7.907
20000
18000
16000
14000
12000
10000
8000

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 95.07 / 79
p0 −513.2 ± 3248
pull
Entries 80
Mean 109.3
Std Dev 70.4

pull1D
Entries 80
Mean −0.01404
Std Dev 1.09

dit_asym_atr1_rms vs run
χ2 / ndf 128.2 / 79
p0 2783 ± 2.297
2900
2850
2800
2750
2700

asym_atr1_correction_mean vs run
χ² / ndf 82.09 / 79
p0 −698.8 ± 843.9
pull
Entries 80
Mean 570.7
Std Dev 531.1
pull1D
Entries 80
Mean −0.006683
Std Dev 1.013

asym_atr1_correction_rms vs run
χ^2 / ndf 1.44e+04 / 79
p0 719.6 ± 0.5967
1300
1200
1100
1000
900
800
700
600

asym_atr1_mean vs run
×10^3
χ² / ndf 94.31 / 79
p0 367.3 ± 3361
pull
Entries 80
Mean 45.05
Std Dev 4.991

pull1D
Entries 80
Mean −0.0149
Std Dev 1.086

asym_atr1_rms vs run
χ² / ndf 367.6 / 79
p0 2880 ± 2.377
3100
3050
3000
2950
2900
2850
2800

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 77.72 / 79
p0 −2049 ± 3950
pull
Entries 80
Mean 40.99
Std Dev 71.16
pull1D
Entries 80
Mean −0.01255
Std Dev 0.9856

dit_asym_atr2_rms vs run
χ² / ndf 5.133e+04 / 79
p0 3325 ± 2.793
6000
5500
5000
4500
4000
3500
3000
2500

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 65.96 / 79
p0 760.4 ± 1.301e+04
pull
Entries 80
Mean 146.2
Std Dev 117.4
pull1D
Entries 80
Mean −0.01324
Std Dev 0.9079

asym_atr2_correction_rms vs run

asym_atr2_mean vs run
×10^3
χ² / ndf 64.91 / 79
p0 −2381 ± 1.296e+04
400
200
0
−200
−400
pull
Entries 80
Mean 149.8
Std Dev 117.4
3
2
1
0
−1
−2

pull1D
Entries 80
Mean 0.01038
Std Dev 0.9007
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr2_rms vs run
χ^2 / ndf 2.952e+04 / 79
p0 1.1e+04 ± 9.165
24000
22000
20000
18000
16000
14000
12000
10000
8000

dit_asym_sam1_mean vs run
χ^2 / ndf 48.98 / 79
p0 11.03 ± 100.4
pull
Entries 80
Mean −286.1
Std Dev 317.7
pull1D
Entries 80
Mean −0.01244
Std Dev 0.7824

dit_asym_sam1_rms vs run

asym_sam1_correction_mean vs run
χ² / ndf 62.8 / 79
p0 232.4 ± 409.1
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −361.8
Std Dev 377.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.002111
Std Dev 0.886
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_correction_rms vs run
χ² / ndf 2300 / 79
p0 350.4 ± 0.2893
390
380
370
360
350
340
330
320

asym_sam1_mean vs run
χ² / ndf 65.58 / 79
p0 −273.6 ± 403
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 60.92
Std Dev 66.16
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.005992
Std Dev 0.9054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_rms vs run
χ² / ndf 3879 / 79
p0 344.9 ± 0.285
400
380
360
340
320
300

dit_asym_sam2_mean vs run
χ² / ndf 46.73 / 79
p0 −239.8 ± 348.8
pull
Entries 80
Mean −204.4
Std Dev 238.2
pull1D
Entries 80
Mean −0.007951
Std Dev 0.7643

dit_asym_sam2_rms vs run

asym_sam2_correction_mean vs run
χ² / ndf 78.13 / 79
p0 −862.6 ± 2176
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −4222
Std Dev 4275
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.0003118
Std Dev 0.9882
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam2_correction_rms vs run
χ2 / ndf 3954 / 79
p0 1862 ± 1.539
2100
2000
1900
1800
1700
1600

asym_sam2_mean vs run
χ² / ndf 79.85 / 79
p0 642.1 ± 2147
pull
Entries 80
Mean −750.8
Std Dev 799.3
pull1D
Entries 80
Mean −0.002088
Std Dev 0.999

asym_sam2_rms vs run
χ2 / ndf 4932 / 79
p0 1837 ± 1.518
2200
2100
2000
1900
1800
1700
1600

dit_asym_sam3_mean vs run
χ² / ndf 81.19 / 79
p0 −198.9 ± 128.1
pull
Entries 80
Mean −24.32
Std Dev 49.25
pull1D
Entries 80
Mean 0.006361
Std Dev 1.007

dit_asym_sam3_rms vs run
χ² / ndf 1.616e+05 / 79
p0 103.5 ± 0.09056
260
240
220
200
180
160
140
120
100
80
60

asym_sam3_correction_mean vs run
χ^2 / ndf 98.22 / 79
p0 −1117 ± 778.9
pull
Entries 80
Mean −351.4
Std Dev 397.1
pull1D
Entries 80
Mean 0.01002
Std Dev 1.108

asym_sam3_correction_rms vs run
χ² / ndf 3372 / 79
p0 666.8 ± 0.5508
780
760
740
720
700
680
660
640
620
600
580

asym_sam3_mean vs run
χ² / ndf 97.85 / 79
p0 1137 ± 791.5
pull
Entries 80
Mean −109.4
Std Dev 154.1
pull1D
Entries 80
Mean −0.02573
Std Dev 1.106

asym_sam3_rms vs run
χ^2 / ndf 1.302e+04 / 79
p0 675.3 ± 0.5597
850
800
750
700
650
600
550

dit_asym_sam4_mean vs run
χ² / ndf 82.88 / 79
p0 −434.1 ± 507.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 1.391
Std Dev 43.84
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.03123
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam4_rms vs run
χ² / ndf 1.719e+05 / 79
p0 409 ± 0.3591
1100
1000
900
800
700
600
500
400
300

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 82.34 / 79
p0 −3124 ± 2279
pull
Entries 80
Mean −1037
Std Dev 1081

pull1D
Entries 80
Mean 0.00367
Std Dev 1.015

asym_sam4_correction_rms vs run
χ^2 / ndf 5107 / 79
p0 1950 ± 1.612
2200
2100
2000
1900
1800
1700

asym_sam4_mean vs run
×10^3
χ² / ndf 82.15 / 79
p0 3200 ± 2217
pull
Entries 80
Mean −318.1
Std Dev 361.3

pull1D
Entries 80
Mean −0.01094
Std Dev 1.013

asym_sam4_rms vs run
χ² / ndf 8167 / 79
p0 1895 ± 1.568
2300
2200
2100
2000
1900
1800
1700
1600

dit_asym_sam5_mean vs run
χ² / ndf 71.62 / 79
p0 37.6 ± 244.9
pull
Entries 80
Mean −1360
Std Dev 1401
pull1D
Entries 80
Mean 0.001354
Std Dev 0.9462

dit_asym_sam5_rms vs run
χ² / ndf 2.241e+04 / 79
p0 208.3 ± 0.1732
320
300
280
260
240
220
200
180

asym_sam5_correction_mean vs run
χ^2 / ndf 61.49 / 79
p0 −1005 ± 1192
pull
Entries 80
Mean −701.5
Std Dev 740.4
pull1D
Entries 80
Mean 0.00295
Std Dev 0.8767

asym_sam5_correction_rms vs run
χ² / ndf 5707 / 79
p0 1019 ± 0.8428
1150
1100
1050
1000
950
900

asym_sam5_mean vs run
χ^2 / ndf 62.38 / 79
p0 1068 ± 1169
pull
Entries 80
Mean −394.3
Std Dev 433.1
pull1D
Entries 80
Mean −0.004433
Std Dev 0.883

asym_sam5_rms vs run
χ² / ndf 5714 / 79
p0 999.8 ± 0.8265
1200
1150
1100
1050
1000
950
900

dit_asym_sam6_mean vs run
χ^2 / ndf 73.89 / 79
p0 −8.713 ± 230.4
pull
Entries 80
Mean −2357
Std Dev 2392

pull1D
Entries 80
Mean 0.0007576
Std Dev 0.9611

dit_asym_sam6_rms vs run

asym_sam6_correction_mean vs run
χ² / ndf 72.06 / 79
p0 150 ± 1324
pull
Entries 80
Mean 597.6
Std Dev 539.2
pull1D
Entries 80
Mean 0.001312
Std Dev 0.9491

asym_sam6_correction_rms vs run

asym_sam6_mean vs run
χ² / ndf 74.64 / 79
p0 −124.5 ± 1303
pull
Entries 80
Mean 405.2
Std Dev 352.2
pull1D
Entries 80
Mean −0.002767
Std Dev 0.9659

asym_sam6_rms vs run
χ² / ndf 3304 / 79
p0 1115 ± 0.9214
1250
1200
1150
1100
1050
1000

dit_asym_sam7_mean vs run
χ² / ndf 80.2 / 79
p0 −273.5 ± 144.2
pull
Entries 80
Mean 15.91
Std Dev 11.21

pull1D
Entries 80
Mean 0.05377
Std Dev 0.9998

dit_asym_sam7_rms vs run
χ^2 / ndf 2.269e+05 / 79
p0 113.6 ± 0.102
350
300
250
200
150
100

asym_sam7_correction_mean vs run
χ² / ndf 93.86 / 79
p0 −493.9 ± 376.2
pull
Entries 80
Mean −93.74
Std Dev 139.6
pull1D
Entries 80
Mean 0.0204
Std Dev 1.083

asym_sam7_correction_rms vs run

asym_sam7_mean vs run
χ² / ndf 91.37 / 79
p0 311.3 ± 342.2
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −123.1
Std Dev 170.5
pull1D
Entries 80
Mean −0.0142
Std Dev 1.069

asym_sam7_rms vs run
χ² / ndf 9341 / 79
p0 292.3 ± 0.242
360
340
320
300
280
260
240

dit_asym_sam8_mean vs run
χ² / ndf 88.71 / 79
p0 40.11 ± 137.1
pull
Entries 80
Mean 56.89
Std Dev 24.85

pull1D
Entries 80
Mean 0.04819
Std Dev 1.052

dit_asym_sam8_rms vs run
χ^2 / ndf 3.157e+05 / 79
p0 104.1 ± 0.09697
400
350
300
250
200
150
100
50

asym_sam8_correction_mean vs run
χ² / ndf 104.4 / 79
p0 −442.2 ± 354.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −69.47
Std Dev 117.4
pull1D
Entries 80
Mean 0.02775
Std Dev 1.142

asym_sam8_correction_rms vs run

asym_sam8_mean vs run
χ² / ndf 101.9 / 79
p0 509.6 ± 309.2
pull
Entries 80
Mean −170.9
Std Dev 215.7
pull1D
Entries 80
Mean −0.01965
Std Dev 1.129

asym_sam8_rms vs run
χ^2 / ndf 7293 / 79
p0 264.4 ± 0.2187
320
300
280
260
240
220

dit_asym_sam_15_avg_mean vs run

dit_asym_sam_15_avg_rms vs run

asym_sam_15_avg_correction_mean vs run
χ² / ndf 65.96 / 79
p0 −394.9 ± 420.9
pull
Entries 80
Mean −556.2
Std Dev 598.5
pull1D
Entries 80
Mean 0.004458
Std Dev 0.908

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 6967 / 79
p0 359.9 ± 0.2976
420
400
380
360
340
320

asym_sam_15_avg_mean vs run
χ² / ndf 65.53 / 79
p0 434.4 ± 410.8
pull
Entries 80
Mean −298.7
Std Dev 339.5
pull1D
Entries 80
Mean −0.0082
Std Dev 0.905

asym_sam_15_avg_rms vs run
χ^2 / ndf 8814 / 79
p0 351 ± 0.2905
440
420
400
380
360
340
320
300

dit_asym_sam_26_avg_mean vs run
χ² / ndf 56.09 / 79
p0 −145.4 ± 146
pull
Entries 80
Mean 195.8
Std Dev 161.9
pull1D
Entries 80
Mean 0.003793
Std Dev 0.8373

dit_asym_sam_26_avg_rms vs run

asym_sam_26_avg_correction_mean vs run
χ² / ndf 86.52 / 79
p0 −402.2 ± 467.8
pull
Entries 80
Mean −230.9
Std Dev 279.4
pull1D
Entries 80
Mean 0.007657
Std Dev 1.04

asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 7000 / 79
p0 399.9 ± 0.3308
500
480
460
440
420
400
380
360
340

asym_sam_26_avg_mean vs run
χ² / ndf 86.22 / 79
p0 281.5 ± 454.7
pull
Entries 80
Mean −171.2
Std Dev 217.5
pull1D
Entries 80
Mean −0.01123
Std Dev 1.038

asym_sam_26_avg_rms vs run

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 75.5 / 79
p0 −246.2 ± 119.1
pull
Entries 80
Mean 18.12
Std Dev 10.59

pull1D
Entries 80
Mean 0.03908
Std Dev 0.9707

dit_asym_sam_37_avg_rms vs run

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 98.38 / 79
p0 −801.4 ± 560.1
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −231.1
Std Dev 277
pull1D
Entries 80
Mean 0.01343
Std Dev 1.109

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 5597 / 79
p0 479.1 ± 0.3961
580
560
540
520
500
480
460
440
420
400

asym_sam_37_avg_mean vs run
χ² / ndf 97.28 / 79
p0 729.2 ± 552.7
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −108.6
Std Dev 153.8
pull1D
Entries 80
Mean −0.02334
Std Dev 1.102

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.263e+04 / 79
p0 471.7 ± 0.3909
600
550
500
450
400

dit_asym_sam_48_avg_mean vs run
χ² / ndf 84.51 / 79
p0 −229.4 ± 303.8
pull
Entries 80
Mean 22.25
Std Dev 24.42
pull1D
Entries 80
Mean 0.04269
Std Dev 1.027

dit_asym_sam_48_avg_rms vs run

asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 86.45 / 79
p0 −1773 ± 1275
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −542.3
Std Dev 587.1
pull1D
Entries 80
Mean 0.006771
Std Dev 1.04

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4545 / 79
p0 1091 ± 0.9017
1250
1200
1150
1100
1050
1000

asym_sam_48_avg_mean vs run
χ² / ndf 85.87 / 79
p0 1871 ± 1223
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −269.6
Std Dev 313.1
3
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.01313
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_avg_rms vs run
χ^2 / ndf 8266 / 79
p0 1045 ± 0.8648
1300
1250
1200
1150
1100
1050
1000
950
900
850

dit_asym_sam_15_dd_mean vs run
χ² / ndf 62.14 / 79
p0 −22.4 ± 148.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean −3743
Std Dev 3779
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.0007441
Std Dev 0.8814
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_dd_rms vs run

asym_sam_15_dd_correction_mean vs run
χ² / ndf 60.41 / 79
p0 616.9 ± 785.5
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −674.5
Std Dev 710.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.002645
Std Dev 0.8689
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4759 / 79
p0 672.1 ± 0.5554
760
740
720
700
680
660
640
620
600

asym_sam_15_dd_mean vs run
χ² / ndf 61.94 / 79
p0 −653 ± 771.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −348.8
Std Dev 385.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean 0.003677
Std Dev 0.8799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_dd_rms vs run

dit_asym_sam_26_dd_mean vs run
χ² / ndf 53 / 79
p0 −123.1 ± 247.9
pull
Entries 80
Mean −462.9
Std Dev 497.1
pull1D
Entries 80
Mean −0.004284
Std Dev 0.814

dit_asym_sam_26_dd_rms vs run
χ² / ndf 684.6 / 79
p0 212.4 ± 0.1753
235
230
225
220
215
210
205

asym_sam_26_dd_correction_mean vs run
χ² / ndf 75.79 / 79
p0 −496.3 ± 1739
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 1901
Std Dev 1847
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean −0.0005972
Std Dev 0.9733
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3586 / 79
p0 1489 ± 1.23
1700
1650
1600
1550
1500
1450
1400
1350
1300

asym_sam_26_dd_mean vs run
χ² / ndf 77.92 / 79
p0 374.2 ± 1717
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 1.823e+05
Std Dev 1.822e+05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 7.801e−06
Std Dev 0.9869
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_dd_rms vs run
χ^2 / ndf 3904 / 79
p0 1469 ± 1.214
1700
1650
1600
1550
1500
1450
1400
1350
1300

dit_asym_sam_37_dd_mean vs run
χ² / ndf 99.95 / 79
p0 −7.742 ± 60.86
pull
Entries 80
Mean −11.2
Std Dev 55.43
pull1D
Entries 80
Mean −0.03048
Std Dev 1.117

dit_asym_sam_37_dd_rms vs run
χ² / ndf 4.4e+04 / 79
p0 51.37 ± 0.04303
90
80
70
60
50
40

asym_sam_37_dd_correction_mean vs run
χ² / ndf 94.14 / 79
p0 −346.5 ± 247.8
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −501.9
Std Dev 546.7
pull1D
Entries 80
Mean 0.007646
Std Dev 1.085

asym_sam_37_dd_correction_rms vs run

asym_sam_37_dd_mean vs run
χ² / ndf 94.64 / 79
p0 394.7 ± 257.5
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −125.8
Std Dev 169.7
pull1D
Entries 80
Mean −0.02648
Std Dev 1.087

asym_sam_37_dd_rms vs run

dit_asym_sam_48_dd_mean vs run
χ² / ndf 79.96 / 79
p0 −206.1 ± 208.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −102.2
Std Dev 145.4
pull1D
Entries 80
Mean 0.01323
Std Dev 0.9996

dit_asym_sam_48_dd_rms vs run

asym_sam_48_dd_correction_mean vs run
χ² / ndf 77.43 / 79
p0 −1361 ± 1018
pull
Entries 80
Mean −1.723e+04
Std Dev 1.727e+04
pull1D
Entries 80
Mean 0.0002273
Std Dev 0.9838

asym_sam_48_dd_correction_rms vs run
χ² / ndf 6489 / 79
p0 870.7 ± 0.72
1000
950
900
850
800
750

asym_sam_48_dd_mean vs run
χ^2 / ndf 77.58 / 79
p0 1329 ± 1005
pull
Entries 80
Mean −413.1
Std Dev 456.1
pull1D
Entries 80
Mean −0.008162
Std Dev 0.9847

asym_sam_48_dd_rms vs run
χ² / ndf 8028 / 79
p0 859 ± 0.7107
1050
1000
950
900
850
800
750
700

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 62.39 / 79
p0 −11.74 ± 78.74
pull
Entries 80
Mean −162.6
Std Dev 201
pull1D
Entries 80
Mean −0.01672
Std Dev 0.8829

dit_asym_sam_13_57_dd_rms vs run

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 62.77 / 79
p0 124.9 ± 382.5
pull
Entries 80
Mean −87.33
Std Dev 100
pull1D
Entries 80
Mean −0.004948
Std Dev 0.8858

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2735 / 79
p0 327.5 ± 0.2705
360
350
340
330
320
310
300

asym_sam_13_57_dd_mean vs run
χ² / ndf 67.78 / 79
p0 −187.1 ± 366
pull
Entries 80
Mean 96.06
Std Dev 69.31
pull1D
Entries 80
Mean 0.003244
Std Dev 0.9204

asym_sam_13_57_dd_rms vs run
χ² / ndf 2879 / 79
p0 313.4 ± 0.2588
350
340
330
320
310
300
290
280
270

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 83.49 / 79
p0 91.38 ± 57.02
pull
Entries 80
Mean 252.3
Std Dev 236.7
pull1D
Entries 80
Mean 0.002422
Std Dev 1.022

dit_asym_sam_15_37_dd_rms vs run
χ2 / ndf 2.358e+04 / 79
p0 48.47 ± 0.04032
75
70
65
60
55
50
45
40

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 83.17 / 79
p0 138.9 ± 302
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −323.9
Std Dev 371.8
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.004886
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 5933 / 79
p0 258.3 ± 0.2135
310
300
290
280
270
260
250
240
230
220

asym_sam_15_37_dd_mean vs run
χ² / ndf 82.33 / 79
p0 −121.8 ± 303.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −93.86
Std Dev 143.2
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01104
Std Dev 1.014
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 52.82 / 79
p0 −148.9 ± 115.4
pull
Entries 80
Mean −2375
Std Dev 2388
pull1D
Entries 80
Mean −0.0002811
Std Dev 0.8126

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 9.721e+04 / 79
p0 95.55 ± 0.08158
200
180
160
140
120
100
80
60

asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 93.79 / 79
p0 −1075 ± 935.4
pull
Entries 80
Mean −313.7
Std Dev 360.1
pull1D
Entries 80
Mean 0.008835
Std Dev 1.083

asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 5277 / 79
p0 800.2 ± 0.6615
950
900
850
800
750
700

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 94.64 / 79
p0 1004 ± 934.4
pull
Entries 80
Mean −191.8
Std Dev 236.7
pull1D
Entries 80
Mean −0.01401
Std Dev 1.088

asym_sam_24_68_dd_rms vs run
χ² / ndf 6669 / 79
p0 799 ± 0.6607
1000
950
900
850
800
750
700

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 80.87 / 79
p0 −36.99 ± 146.7
pull
Entries 80
Mean −60
Std Dev 115
pull1D
Entries 80
Mean −0.009658
Std Dev 1.005

dit_asym_sam_26_48_dd_rms vs run

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 73.28 / 79
p0 653 ± 592.3
pull
Entries 80
Mean −3055
Std Dev 3099
pull1D
Entries 80
Mean −0.001109
Std Dev 0.9571

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 8089 / 79
p0 506.2 ± 0.4188
600
580
560
540
520
500
480
460
440
420

asym_sam_26_48_dd_mean vs run
χ² / ndf 72.61 / 79
p0 −758 ± 561.3
pull
Entries 80
Mean −521.4
Std Dev 564.1
pull1D
Entries 80
Mean 0.006309
Std Dev 0.9527

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.126e+04 / 79
p0 479.2 ± 0.3969
600
550
500
450
400

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 84.12 / 79
p0 –107 ± 204.1
10000
5000
0
–5000
–10000
pull
Entries 80
Mean 17.91
Std Dev 31.59
pull1D
Entries 80
Mean 0.03357
Std Dev 1.025

dit_asym_sam_1548_avg_rms vs run

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 80.73 / 79
p0 −1068 ± 815.6
pull
Entries 80
Mean −676.8
Std Dev 721.2

pull1D
Entries 80
Mean 0.005257
Std Dev 1.005

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 5666 / 79
p0 697.7 ± 0.5767
800
750
700
650
600

asym_sam_1548_avg_mean vs run
χ² / ndf 80.06 / 79
p0 1133 ± 782.1
pull
Entries 80
Mean −319
Std Dev 362
pull1D
Entries 80
Mean −0.01091
Std Dev 1

asym_sam_1548_avg_rms vs run
χ^2 / ndf 9146 / 79
p0 668.2 ± 0.553
850
800
750
700
650
600
550

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 81.79 / 79
p0 −264.7 ± 196.2
pull
Entries 80
Mean 24.43
Std Dev 13.63
pull1D
Entries 80
Mean 0.05186
Std Dev 1.01

dit_asym_sam_3748_avg_rms vs run

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 92.81 / 79
p0 −1297 ± 875.4
pull
Entries 80
Mean −369.7
Std Dev 414.9
pull1D
Entries 80
Mean 0.009844
Std Dev 1.077

asym_sam_3748_avg_correction_rms vs run
χ2 / ndf 3837 / 79
p0 749.2 ± 0.619
880
860
840
820
800
780
760
740
720
700
680

asym_sam_3748_avg_mean vs run
χ^2 / ndf 91.95 / 79
p0 1307 ± 846.8
pull
Entries 80
Mean −190
Std Dev 234
pull1D
Entries 80
Mean −0.0176
Std Dev 1.072

asym_sam_3748_avg_rms vs run
χ^2 / ndf 8127 / 79
p0 723.7 ± 0.5987
900
850
800
750
700
650
600

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 68.37 / 79
p0 −99.2 ± 94.27
pull
Entries 80
Mean 40.2
Std Dev 17.95
pull1D
Entries 80
Mean 0.02779
Std Dev 0.924

dit_asym_sam_1526_avg_rms vs run

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 95.24 / 79
p0 −441.5 ± 271
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −165
Std Dev 209.8
pull1D
Entries 80
Mean 0.01879
Std Dev 1.091

asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 8526 / 79
p0 231.5 ± 0.1916
300
280
260
240
220
200

asym_sam_1526_avg_mean vs run
χ² / ndf 92.41 / 79
p0 373.7 ± 266.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −173.1
Std Dev 217
pull1D
Entries 80
Mean −0.01893
Std Dev 1.075

asym_sam_1526_avg_rms vs run

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 62.87 / 79
p0 −195.1 ± 122.6
pull
Entries 80
Mean 32.63
Std Dev 15.65
pull1D
Entries 80
Mean 0.02197
Std Dev 0.8862

dit_asym_sam_3726_avg_rms vs run

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 94.97 / 79
p0 −616.9 ± 494.4
pull
Entries 80
Mean −195.5
Std Dev 242.1
pull1D
Entries 80
Mean 0.01297
Std Dev 1.089

asym_sam_3726_avg_correction_rms vs run

asym_sam_3726_avg_mean vs run
χ^2 / ndf 94.13 / 79
p0 517.4 ± 486.6
pull
Entries 80
Mean −114.5
Std Dev 159.9
pull1D
Entries 80
Mean −0.01993
Std Dev 1.085

asym_sam_3726_avg_rms vs run

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 83.87 / 79
p0 112.1 ± 104.8
pull
Entries 80
Mean 25.85
Std Dev 17.78
pull1D
Entries 80
Mean −0.05191
Std Dev 1.023

dit_asym_sam_15_48_dd_rms vs run

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 94.73 / 79
p0 711.5 ± 485.3
pull
Entries 80
Mean −375.1
Std Dev 420.5
pull1D
Entries 80
Mean −0.009709
Std Dev 1.088

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 3579 / 79
p0 415.4 ± 0.3432
480
460
440
420
400
380

asym_sam_15_48_dd_mean vs run
χ² / ndf 94.2 / 79
p0 −750.7 ± 468.8
pull
Entries 80
Mean −192.7
Std Dev 236.6
pull1D
Entries 80
Mean 0.01759
Std Dev 1.085

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 7309 / 79
p0 400.8 ± 0.3315
480
460
440
420
400
380
360
340

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 86.27 / 79
p0 −45.14 ± 117.1
pull
Entries 80
Mean 12.32
Std Dev 56.73
pull1D
Entries 80
Mean −0.01682
Std Dev 1.038

dit_asym_sam_37_48_dd_rms vs run
χ2 / ndf 1.214e+05 / 79
p0 96.14 ± 0.08282
220
200
180
160
140
120
100
80
60

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 72.42 / 79
p0 495.8 ± 451.6
pull
Entries 80
Mean −1242
Std Dev 1286
pull1D
Entries 80
Mean −0.002592
Std Dev 0.9514

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 7333 / 79
p0 386 ± 0.3193
460
440
420
400
380
360
340
320

asym_sam_37_48_dd_mean vs run
χ² / ndf 72.36 / 79
p0 −589.9 ± 429.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −545.8
Std Dev 587.7
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.006163
Std Dev 0.951
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_48_dd_rms vs run

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 56.03 / 79
p0 75.03 ± 74.99
pull
Entries 80
Mean −185.4
Std Dev 229.6
pull1D
Entries 80
Mean 0.0044
Std Dev 0.8369

dit_asym_sam_15_26_dd_rms vs run

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 67.79 / 79
p0 −40.81 ± 354.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −6.962
Std Dev 45.86
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.004723
Std Dev 0.9205
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_26_dd_correction_rms vs run

asym_sam_15_26_dd_mean vs run
χ^2 / ndf 68.48 / 79
p0 110.6 ± 343.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 35.25
Std Dev 69.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.003836
Std Dev 0.9252
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_26_dd_rms vs run

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 65.52 / 79
p0 −10.68 ± 46.11
pull
Entries 80
Mean 570.6
Std Dev 531.7

pull1D
Entries 80
Mean −0.004064
Std Dev 0.905

dit_asym_sam_37_26_dd_rms vs run

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 76.64 / 79
p0 −159.4 ± 143.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean 1460
Std Dev 1415
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.002617
Std Dev 0.9788
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 1.004e+04 / 79
p0 122.9 ± 0.1018
145
140
135
130
125
120
115
110
105

asym_sam_37_26_dd_mean vs run
χ² / ndf 74.72 / 79
p0 168.2 ± 136.8
pull
Entries 80
Mean −443.1
Std Dev 488.5
pull1D
Entries 80
Mean −0.006622
Std Dev 0.9664

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.201e+04 / 79
p0 116.8 ± 0.09675
150
140
130
120
110
100

dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 79.44 / 79
p0 −141.6 ± 97.91
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean 19.3
Std Dev 15.59
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 80
Mean 0.04249
Std Dev 0.9956
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_1357_avg_rms vs run
χ2 / ndf 2.279e+05 / 79
p0 77.12 ± 0.06923
240
220
200
180
160
140
120
100
80
60
40

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 90.33 / 79
p0 −518.5 ± 399.4
pull
Entries 80
Mean −603.6
Std Dev 648.4
pull1D
Entries 80
Mean 0.006303
Std Dev 1.063

asym_sam_1357_avg_correction_rms vs run

asym_sam_1357_avg_mean vs run
χ² / ndf 88.73 / 79
p0 557.4 ± 381.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −185.2
Std Dev 229.3
pull1D
Entries 80
Mean −0.01759
Std Dev 1.053

asym_sam_1357_avg_rms vs run
χ² / ndf 9032 / 79
p0 326.1 ± 0.2699
400
380
360
340
320
300
280

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 77.2 / 79
p0 −235.9 ± 180.6
pull
Entries 80
Mean 31.68
Std Dev 11.58
pull1D
Entries 80
Mean 0.05194
Std Dev 0.981

dit_asym_sam_2468_avg_rms vs run
χ2 / ndf 3.014e+05 / 79
p0 138 ± 0.1277
500
450
400
350
300
250
200
150
100

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 95.06 / 79
p0 −1152 ± 754.1
pull
Entries 80
Mean −268.4
Std Dev 313.6
pull1D
Entries 80
Mean 0.01291
Std Dev 1.09

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 4754 / 79
p0 645.3 ± 0.5333
780
760
740
720
700
680
660
640
620
600
580
560

asym_sam_2468_avg_mean vs run
χ² / ndf 93.92 / 79
p0 1132 ± 731.4
pull
Entries 80
Mean −179
Std Dev 222.9
pull1D
Entries 80
Mean −0.01868
Std Dev 1.083

asym_sam_2468_avg_rms vs run

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 76.19 / 79
p0 33.76 ± 49.01
pull
Entries 80
Mean 39.38
Std Dev 24.47
pull1D
Entries 80
Mean −0.03992
Std Dev 0.9751

dit_asym_sam_1357_2468_dd_rms vs run

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 95.6 / 79
p0 309.3 ± 188.9
pull
Entries 80
Mean −175.1
Std Dev 220.7
pull1D
Entries 80
Mean −0.0169
Std Dev 1.093

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 7332 / 79
p0 161.5 ± 0.1336
210
200
190
180
170
160
150
140

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 97.44 / 79
p0 −286.9 ± 181.2
pull
Entries 80
Mean −174.3
Std Dev 217.9

pull1D
Entries 80
Mean 0.01914
Std Dev 1.103

asym_sam_1357_2468_dd_rms vs run

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 77.99 / 79
p0 −192.9 ± 137
pull
Entries 80
Mean 28.66
Std Dev 9.756
pull1D
Entries 80
Mean 0.05099
Std Dev 0.986

dit_asym_sam_12345678_avg_rms vs run

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 93.85 / 79
p0 −835.8 ± 573.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −334.7
Std Dev 379.8
pull1D
Entries 80
Mean 0.01077
Std Dev 1.083

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 4116 / 79
p0 490.6 ± 0.4053
580
560
540
520
500
480
460
440

asym_sam_12345678_avg_mean vs run
χ² / ndf 92.32 / 79
p0 844.5 ± 554.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −181.1
Std Dev 225
pull1D
Entries 80
Mean −0.01836
Std Dev 1.074

asym_sam_12345678_avg_rms vs run

dit_usl_4aX_slope vs run
χ^2 / ndf 3.984e−24 / 79
p0 −205.3 ± 0.3418
−202
−203
−204
−205
−206
−207
−208
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−12
0
−0.05
−0.1
−0.15
−0.2

pull1D
Entries 80
Mean −2.231e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ^2 / ndf 3.824e−25 / 79
p0 164.8 ± 0.3677
168
167
166
165
164
163
162
161
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 80
Mean −6.914e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run
χ^2 / ndf 1.373e−24 / 79
p0 −36.88 ± 0.04852
−36.4
−36.6
−36.8
−37
−37.2
−37.4
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

pull1D
Entries 80
Mean −1.31e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4aY_slope vs run
χ² / ndf 2.553e−26 / 79
p0 3.657 ± 0.02224
3.85
3.8
3.75
3.7
3.65
3.6
3.55
3.5
3.45
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

pull1D
Entries 80
Mean −1.786e−14
Std Dev 1.372e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eY_slope vs run
χ^2 / ndf 1.961e−25 / 79
p0 14.56 ± 0.04011
14.9
14.8
14.7
14.6
14.5
14.4
14.3
14.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−10
−20
−30
−40
−50

pull1D
Entries 80
Mean −4.951e−14
Std Dev1.585e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run
χ^2 / ndf 5.879e−27 / 79
p0 −302 ± 0.7413
−296
−298
−300
−302
−304
−306
−308
−310
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8
−9

pull1D
Entries 80
Mean −8.573e−15
Std Dev4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run
χ^2 / ndf 5.293e−26 / 79
p0 385.8 ± 0.7413
392
390
388
386
384
382
380
378
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
25
20
15
10
5
0

pull1D
Entries 80
Mean 2.572e−14
Std Dev 1.235e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run
χ² / ndf 1.898e−23 / 79
p0 −37.13 ± 0.02284
−36.9
−36.95
−37
−37.05
−37.1
−37.15
−37.2
−37.25
−37.3
−37.35
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5

pull1D
Entries 80
Mean −4.87e−13
Std Dev 2.347e−20
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 1.632e−25 / 79
p0 4.555 ± 0.02638
4.8
4.7
4.6
4.5
4.4
4.3
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

pull1D
Entries 80
Mean −4.516e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eY_slope vs run
χ^2 / ndf 1.281e−25 / 79
p0 7.833 ± 0.04467
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean −4.002e−14
Std Dev2.396e−21

dit_atl1_4aX_slope vs run
χ^2 / ndf 9e−28 / 79
p0 −69.89 ± 1.421
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean 3.354e−15
Std Dev1.834e−22

dit_atl1_4eX_slope vs run
χ^2 / ndf 3.787e−28 / 79
p0 111.6 ± 1.46
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean 2.176e−15
Std Dev7.487e−23

dit_atl1_11X12X_slope vs run
χ^2 / ndf 2.583e−27 / 79
p0 −12.84 ± 0.1049
−11.8
−12
−12.2
−12.4
−12.6
−12.8
−13
−13.2
−13.4
−13.6
−13.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−1
−2
−3
−4
−5

pull1D
Entries 80
Mean −5.682e−15
Std Dev1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aY_slope vs run
χ^2 / ndf 9.05e−25 / 79
p0 12.53 ± 0.03174
12.8
12.7
12.6
12.5
12.4
12.3
12.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 80
Mean −1.064e−13
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run
χ² / ndf 1.453e−25 / 79
p0 −22.4 ± 0.06525
−21.8
−22
−22.2
−22.4
−22.6
−22.8
−23
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

pull1D
Entries 80
Mean 4.261e−14
Std Dev 2.47e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aX_slope vs run
χ^2 / ndf 1.037e−26 / 79
p0 −1503 ± 2.233
−1480
−1485
−1490
−1495
−1500
−1505
−1510
−1515
−1520
−1525
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−2
−4
−6
−8
−10

pull1D
Entries 80
Mean −1.139e−14
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run

dit_atl2_11X12X_slope vs run

dit_atl2_4aY_slope vs run
χ^2 / ndf 5.182e−27 / 79
p0 17.18 ± 0.0987
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean −8.049e−15
Std Dev 2.593e−22

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.002e−24 / 79
p0 82.87 ± 0.1703
84.5
84
83.5
83
82.5
82
81.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 80
Mean −1.119e−13
Std Dev3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ2 / ndf 9.657e−28 / 79
p0 −109.1± 1.372
−95
−100
−105
−110
−115
−120
pull
Entries 80
Mean 40
Std Dev 23.09
×10−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

pull1D
Entries 80
Mean −3.474e−15
Std Dev 0
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 6.093e−28 / 79
p0 61.75 ± 1.439
75
70
65
60
55
50
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-15}$
2.5
2
1.5
1
0.5
0

pull1D
Entries 80
Mean 2.76e−15
Std Dev 1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run

dit_atr1_4aY_slope vs run
χ^2 / ndf 1.451e−25 / 79
p0 15.84 ± 0.04663
16.2
16
15.8
15.6
15.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 80
Mean −4.259e−14
Std Dev 2.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
χ² / ndf 8.418e−26 / 79
p0 −26.47 ± 0.08571
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.244e−14
Std Dev1.271e−21

dit_atr2_4aX_slope vs run
χ^2 / ndf 2.332e−24 / 79
p0 −1828 ± 1.191
−1815
−1820
−1825
−1830
−1835
−1840
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 80
Mean 1.707e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run

dit_atr2_11X12X_slope vs run
χ^2 / ndf 1.356e−23 / 79
p0 −251.8 ± 0.1312
−250.5
−251
−251.5
−252
−252.5
−253
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

pull1D
Entries 80
Mean −4.118e−13
Std Dev 1.66e−20
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 1.622e−25 / 79
p0 17.51 ± 0.07938
18.2
18
17.8
17.6
17.4
17.2
17
16.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
45
40
35
30
25
20
15
10
5
0

pull1D
Entries 80
Mean 4.503e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eY_slope vs run
χ^2 / ndf 1.835e−24 / 79
p0 91.22 ± 0.1259
92.5
92
91.5
91
90.5
90
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

pull1D
Entries 80
Mean −1.514e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aX_slope vs run
χ^2 / ndf 3.07e−27 / 79
p0 2.779 ± 0.05611
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −6.195e−15
Std Dev 3.89e−22

dit_sam1_4eX_slope vs run
χ^2 / ndf 8.155e−26 / 79
p0 −17.56 ± 0.6622
−17
−17.2
−17.4
−17.6
−17.8
−18
−18.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 80
Mean −3.193e−14
Std Dev 1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_11X12X_slope vs run
χ^2 / ndf 2.822e−25 / 79
p0 0.326 ± 0.001254
0.335
0.33
0.325
0.32
0.315
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 80
Mean −5.94e−14
Std Dev3.492e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aY_slope vs run
χ² / ndf 4.964e−23 / 79
p0 −50.84 ± 0.01714
−50.7
−50.75
−50.8
−50.85
−50.9
−50.95
−51
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

pull1D
Entries 80
Mean −7.877e−13
Std Dev 1.917e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run
χ^2 / ndf 1.467e−27 / 79
p0 5.759 ± 0.09277
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean −4.282e−15
Std Dev2.368e−22

dit_sam2_4aX_slope vs run
χ^2 / ndf 3.172e−26 / 79
p0 56.95 ± 0.9574
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean 1.991e−14
Std Dev4.235e−22

dit_sam2_4eX_slope vs run
χ^2 / ndf 2.461e−25 / 79
p0 −224 ± 1.031
−215
−220
−225
−230
−235
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
50
40
30
20
10
0

pull1D
Entries 80
Mean 5.547e−14
Std Dev 2.611e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_11X12X_slope vs run
χ^2 / ndf 1.659e−26 / 79
p0 0.7419 ± 0.004309
0.78
0.77
0.76
0.75
0.74
0.73
0.72
0.71
0.7
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
14
12
10
8
6
4
2
0

pull1D
Entries 80
Mean 1.44e−14
Std Dev 4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aY_slope vs run
χ^2 / ndf 5.401e−25 / 79
p0 9.09 ± 0.03384
9.4
9.3
9.2
9.1
9
8.9
8.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

pull1D
Entries 80
Mean −8.217e−14
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eY_slope vs run
χ² / ndf 1.743e−23 / 79
p0 −182.3 ± 0.05447
−181.8
−182
−182.2
−182.4
−182.6
−182.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 80
Mean 4.667e−13
Std Dev 2.443e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aX_slope vs run
χ^2 / ndf 1.131e−28 / 79
p0 −14.29 ± 0.8353
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean 1.189e−15
Std Dev 2.647e−23

dit_sam3_4eX_slope vs run
χ^2 / ndf 2.687e−27 / 79
p0 −62.09 ± 0.9595
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean 5.796e−15
Std Dev 1.497e−22

dit_sam3_11X12X_slope vs run
χ^2 / ndf 5.997e−28 / 79
p0 0.5483 ± 0.004533
0.59
0.58
0.57
0.56
0.55
0.54
0.53
0.52
0.51
0.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 80
Mean −2.738e−15
Std Dev 5.294e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aY_slope vs run
χ^2 / ndf 1.395e−25 / 79
p0 −7.249 ± 0.02616
−7
−7.1
−7.2
−7.3
−7.4
−7.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 80
Mean −4.175e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eY_slope vs run
χ^2 / ndf 4.507e−25 / 79
p0 30.86 ± 0.08467
31.6
31.4
31.2
31
30.8
30.6
30.4
30.2
30
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 80
Mean −7.506e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run
χ^2 / ndf 0 / 79
p0 57.86 ± 1.265
70
65
60
55
50
45
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

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

dit_sam4_4eX_slope vs run
χ^2 / ndf 1.414e−27 / 79
p0 −217.7 ± 1.512
−205
−210
−215
−220
−225
−230
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

pull1D
Entries 80
Mean −4.204e−15
Std Dev 1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_11X12X_slope vs run
χ^2 / ndf 2.962e−27 / 79
p0 0.6065 ± 0.00816
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 6.085e−15
Std Dev 2.593e−22

dit_sam4_4aY_slope vs run
χ^2 / ndf 9.392e−28 / 79
p0 −16.14 ± 0.1159
−15
−15.5
−16
−16.5
−17
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

pull1D
Entries 80
Mean −3.426e−15
Std Dev1.543e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4eY_slope vs run

dit_sam5_4aX_slope vs run
χ^2 / ndf 2.638e−26 / 79
p0 14.94 ± 0.1531
16.5
16
15.5
15
14.5
14
13.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

pull1D
Entries 80
Mean −1.816e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eX_slope vs run

dit_sam5_11X12X_slope vs run
χ^2 / ndf 2.651e−26 / 79
p0 0.3039 ± 0.00375
0.34
0.33
0.32
0.31
0.3
0.29
0.28
0.27
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

pull1D
Entries 80
Mean −1.82e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aY_slope vs run
χ^2 / ndf 3.215e−24 / 79
p0 30.55 ± 0.04359
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean −2.005e−13
Std Dev6.776e−21

dit_sam5_4eY_slope vs run

dit_sam6_4aX_slope vs run
χ^2 / ndf 4.843e−26 / 79
p0 75.83 ± 0.5812
82
80
78
76
74
72
70
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
25
20
15
10
5
0

pull1D
Entries 80
Mean 2.46e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eX_slope vs run
χ^2 / ndf 3.111e−30 / 79
p0 1.612 ± 0.6294
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean −1.972e−16
Std Dev 5.232e−24

dit_sam6_11X12X_slope vs run
χ^2 / ndf 1.484e−25 / 79
p0 0.6338 ± 0.002882
0.66
0.65
0.64
0.63
0.62
0.61
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

pull1D
Entries 80
Mean −4.307e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aY_slope vs run
χ² / ndf 7.258e−26 / 79
p0 13.25 ± 0.03297
13.5
13.4
13.3
13.2
13.1
13
12.9
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 80
Mean 3.012e−14
Std Dev 2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run

dit_sam7_4aX_slope vs run
χ^2 / ndf 1.286e−24 / 79
p0 90.59 ± 0.2506
93
92
91
90
89
88
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-12}$
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 80
Mean 1.268e−13
Std Dev 5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eX_slope vs run
χ² / ndf 1.486e−24 / 79
p0 −130.8 ± 0.2797
−128
−129
−130
−131
−132
−133
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

pull1D
Entries 80
Mean −1.363e−13
Std Dev 9.123e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_11X12X_slope vs run
χ^2 / ndf 2.761e−26 / 79
p0 0.44 ± 0.002339
0.46
0.45
0.44
0.43
0.42
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 80
Mean 1.858e−14
Std Dev 2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aY_slope vs run
χ^2 / ndf 1.394e−25 / 79
p0 7.034 ± 0.0119
7.15
7.1
7.05
7
6.95
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 80
Mean −4.174e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
χ² / ndf 1.456e−24 / 79
p0 −12.6 ± 0.02208
−12.4
−12.45
−12.5
−12.55
−12.6
−12.65
−12.7
−12.75
−12.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.349e−13
Std Dev 8.803e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4aX_slope vs run
χ² / ndf 6.253e−27 / 79
p0 64.63 ± 0.1797
66.5
66
65.5
65
64.5
64
63.5
63
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9

pull1D
Entries 80
Mean −8.841e−15
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eX_slope vs run
χ^2 / ndf 1.668e−25 / 79
p0 −100 ± 0.2088
−98
−98.5
−99
−99.5
−100
−100.5
−101
−101.5
−102
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
45
40
35
30
25
20
15
10
5
0

pull1D
Entries 80
Mean 4.566e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_11X12X_slope vs run
χ^2 / ndf 1.1e−25 / 79
p0 0.3769 ± 0.00251
pull
Entries 80
Mean 40
Std Dev 23.09

pull1D
Entries 80
Mean 3.709e−14
Std Dev 1.846e−21

dit_sam8_4aY_slope vs run
χ² / ndf 0 / 79
p0 −47.88 ± 0.01049
−47.78
−47.8
−47.82
−47.84
−47.86
−47.88
−47.9
−47.92
−47.94
−47.96
−47.98
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eY_slope vs run
χ² / ndf 4.489e−24 / 79
p0 54.9 ± 0.06372
55.4
55.2
55
54.8
54.6
54.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 80
Mean 2.369e−13
Std Dev 1.312e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
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8

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

pull1D
Entries 0
Mean 0
Std Dev 0
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pull
Entries 0
Mean 0
Std Dev 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
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pull1D
Entries 0
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Std Dev 0
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pull
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pull
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pull1D
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pull
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pull1D
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pull
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Mean 0
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pull1D
Entries 0
Mean 0
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pull
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pull1D
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pull
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Mean 0
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pull1D
Entries 0
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pull
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Mean 0
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pull1D
Entries 0
Mean 0
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pull
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Mean 0
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pull1D
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pull
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Mean 0
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pull1D
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pull
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pull1D
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pull
Entries 0
Mean 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
Entries 0
Mean 0
Std Dev 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
Entries 0
Mean 0
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pull1D
Entries 0
Mean 0
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pull
Entries 0
Mean 0
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pull1D
Entries 0
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pull
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Mean 0
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pull1D
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pull
Entries 0
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pull1D
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pull
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Mean 0
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pull1D
Entries 0
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pull
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pull1D
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pull
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pull1D
Entries 0
Mean 0
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pull
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pull1D
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pull1D
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pull1D
Entries 0
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Std Dev 0
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dit_run_mean vs run
χ^2 / ndf 3273 / 76
p0 7305 ± 0.7478
7312
7310
7308
7306
7304
7302
7300
7298
7296
7294

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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8

dit_run_rms vs run
χ² / ndf 3273 / 76
p0 7305 ± 0.7478
7312
7310
7308
7306
7304
7302
7300
7298
7296
7294

dit_slug_slope vs run
χ^2 / ndf 6.462e−26 / 79
p0 176 ± 3.198e−15
177
176.8
176.6
176.4
176.2
176

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
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8

dit_cyclenum_mean vs run
χ^2 / ndf 2.809e+04 / 76
p0 8635 ± 2.191
8660
8650
8640
8630
8620
8610
8600

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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dit_cyclenum_rms vs run
χ² / ndf 2.809e+04 / 76
p0 8635 ± 2.191
8660
8650
8640
8630
8620
8610
8600

dit_scandata1_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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dit_scandata1_rms vs run

dit_scandata2_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
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dit_scandata2_rms vs run

dit_flag_mean vs run
χ^2 / ndf 3.796e–30 / 76
p0 1 ± 2.547e–17
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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dit_flag_rms vs run

dit_segment_slope vs run
χ^2 / ndf 9.861e−31 / 79
p0 1 ± 1.249e−17
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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−8
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reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 171.8 / 79
p0 −11.95 ± 0.2688
pull
Entries 80
Mean 132
Std Dev 84.45
pull1D
Entries 80
Mean 0.2743
Std Dev 1.44

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 92.54 / 79
p0 −48.19 ± 0.2539
pull
Entries 80
Mean 354.5
Std Dev 308.7

pull1D
Entries 80
Mean −0.05672
Std Dev 1.074

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 154.9 / 79
p0 −2.588 ± 0.266
pull
Entries 80
Mean 130.2
Std Dev 82.87

pull1D
Entries 80
Mean −0.2644
Std Dev 1.366

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 43.64 / 79
p0 5.878 ± 0.2718
pull
Entries 80
Mean 468.1
Std Dev 419.4

pull1D
Entries 80
Mean 0.01306
Std Dev 0.7385

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 84 / 79
p0 0.4416 ± 0.01134
pull
Entries 80
Mean 93.78
Std Dev 42.78
pull1D
Entries 80
Mean 0.2094
Std Dev 1.003

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 32.71 / 79
p0 −46.65 ± 1.46
pull
Entries 80
Mean 175.3
Std Dev 129.8

pull1D
Entries 80
Mean 0.08876
Std Dev 0.6333

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 16.52 / 79
p0 −16.01 ± 1.352
pull
Entries 80
Mean 373.6
Std Dev 322.5

pull1D
Entries 80
Mean −0.01786
Std Dev 0.4541

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 19.92 / 79
p0 −117.9 ± 1.445
pull
Entries 80
Mean 174.7
Std Dev 130.7

pull1D
Entries 80
Mean −0.06506
Std Dev 0.4947

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 29.62 / 79
p0 −146 ± 1.452
pull
Entries 80
Mean 360.1
Std Dev 307
pull1D
Entries 80
Mean 0.02181
Std Dev 0.608

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 64.44 / 79
p0 1.267 ± 0.06091
pull
Entries 80
Mean 96.1
Std Dev 45.49

pull1D
Entries 80
Mean 0.1774
Std Dev 0.8798

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 1204 / 79
p0 −53.1 ± 0.5467
pull
Entries 80
Mean 205.9
Std Dev 159.6

pull1D
Entries 80
Mean 0.4191
Std Dev 3.857

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 349.9 / 79
p0 9.221 ± 0.5005
pull
Entries 80
Mean −531.2
Std Dev 574.1

pull1D
Entries 80
Mean 0.06836
Std Dev 2.09

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 701.4 / 79
p0 −27.77 ± 0.5415
pull
Entries 80
Mean 195.2
Std Dev 149.9

pull1D
Entries 80
Mean −0.3567
Std Dev 2.939

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 259.3 / 79
p0 13.34 ± 0.5382
pull
Entries 80
Mean −1094
Std Dev 1137

pull1D
Entries 80
Mean −0.02951
Std Dev 1.8

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 23.43 / 79
p0 0.03836 ± 0.02293
pull
Entries 80
Mean −15.09
Std Dev 40.63

pull1D
Entries 80
Mean −0.06602
Std Dev 0.5372

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1536 / 79
p0 −144.4 ± 1.505
pull
Entries 80
Mean 160.6
Std Dev 114.3

pull1D
Entries 80
Mean 0.6693
Std Dev 4.33

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 467 / 79
p0 64.74 ± 1.401
pull
Entries 80
Mean 974.5
Std Dev 931.5

pull1D
Entries 80
Mean −0.04961
Std Dev 2.416

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1211 / 79
p0 −15.61 ± 1.49
pull
Entries 80
Mean 157.3
Std Dev 111.6
pull1D
Entries 80
Mean −0.628
Std Dev 3.839

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 225 / 79
p0 142.5 ± 1.504
pull
Entries 80
Mean 493.5
Std Dev 451.8
pull1D
Entries 80
Mean 0.07081
Std Dev 1.676

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 88.16 / 79
p0 −0.955 ± 0.06395
pull
Entries 80
Mean 57.35
Std Dev 27.64

pull1D
Entries 80
Mean −0.184
Std Dev 1.034

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 390.8 / 79
p0 −28.48 ± 0.789
pull
Entries 80
Mean 149.8
Std Dev 103.2

pull1D
Entries 80
Mean 0.3671
Std Dev 2.18

reg_asym_sam5_diff_bpm4aY_slope vs run
χ2 / ndf 115.5 / 79
p0 61.33 ± 0.7394
pull
Entries 80
Mean 528.6
Std Dev 486.1

pull1D
Entries 80
Mean −0.04641
Std Dev 1.201

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 380.3 / 79
p0 27.89 ± 0.7811
pull
Entries 80
Mean 148.1
Std Dev 101.9

pull1D
Entries 80
Mean −0.3734
Std Dev 2.148

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 39.32 / 79
p0 83.44 ± 0.7925
pull
Entries 80
Mean 387.8
Std Dev 348.6

pull1D
Entries 80
Mean 0.02979
Std Dev 0.7005

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 106.2 / 79
p0 −0.3815 ± 0.03325
pull
Entries 80
Mean 74.18
Std Dev 11.95
pull1D
Entries 80
Mean −0.2496
Std Dev 1.125

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 7.709 / 79
p0 21.74 ± 0.8795
pull
Entries 80
Mean 100.2
Std Dev 39.27

pull1D
Entries 80
Mean 0.04091
Std Dev 0.3077

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 10.77 / 79
p0 35.78 ± 0.8214
pull
Entries 80
Mean −33.07
Std Dev 46.73

pull1D
Entries 80
Mean 0.02358
Std Dev 0.3662

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 5.42 / 79
p0 58.46 ± 0.8709
pull
Entries 80
Mean 131
Std Dev 90.69
pull1D
Entries 80
Mean −0.01427
Std Dev 0.2599

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.16 / 79
p0 86.15 ± 0.8804
pull
Entries 80
Mean 102.8
Std Dev 35.29

pull1D
Entries 80
Mean −0.0222
Std Dev 0.405

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 83.78 / 79
p0 −0.3439 ± 0.03667
pull
Entries 80
Mean 82.48
Std Dev 26.73
pull1D
Entries 80
Mean −0.2326
Std Dev 0.9966

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 1445 / 79
p0 1.388 ± 0.235
pull
Entries 80
Mean 177.4
Std Dev 130.6

pull1D
Entries 80
Mean 0.5504
Std Dev 4.214

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 597.5 / 79
p0 15.32 ± 0.216
pull
Entries 80
Mean −771.5
Std Dev 813.2

pull1D
Entries 80
Mean 0.06668
Std Dev 2.732

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1143 / 79
p0 −34.33 ± 0.2327
pull
Entries 80
Mean 175.9
Std Dev 130
pull1D
Entries 80
Mean −0.5119
Std Dev 3.744

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 561.3 / 79
p0 −22.36 ± 0.2321
pull
Entries 80
Mean −2384
Std Dev 2426

pull1D
Entries 80
Mean −0.02153
Std Dev 2.649

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 54.66 / 79
p0 0.3302 ± 0.009869
pull
Entries 80
Mean −130.6
Std Dev 167.3

pull1D
Entries 80
Mean −0.05741
Std Dev 0.8246

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 5206 / 79
p0 −18.77 ± 0.212
pull
Entries 80
Mean 177.9
Std Dev 131.5

pull1D
Entries 80
Mean −2.877
Std Dev 3.875

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 2152 / 79
p0 −26.09 ± 0.1954
pull
Entries 80
Mean −912.3
Std Dev 954.4

pull1D
Entries 80
Mean 0.9768
Std Dev 4.558

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 4578 / 79
p0 −11.32 ± 0.21
pull
Entries 80
Mean 174.7
Std Dev 128.7
pull1D
Entries 80
Mean 2.767
Std Dev 3.613

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 1608 / 79
p0 30.43 ± 0.2099
pull
Entries 80
Mean −7734
Std Dev 7776

pull1D
Entries 80
Mean −0.2224
Std Dev 4.34

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 143.5 / 79
p0 0.1485 ± 0.008937
pull
Entries 80
Mean 13.25
Std Dev 17.48
pull1D
Entries 80
Mean −0.2031
Std Dev 1.324

reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 27.29 / 79
p0 −67.18 ± 1.509
pull
Entries 80
Mean 81.71
Std Dev 6.116
pull1D
Entries 80
Mean 0.02103
Std Dev 0.5836

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 22.08 / 79
p0 5.985 ± 1.42
pull
Entries 80
Mean 301.4
Std Dev 245.8

pull1D
Entries 80
Mean −0.002158
Std Dev 0.5254

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 26.84 / 79
p0 7.811 ± 1.494
pull
Entries 80
Mean 50.75
Std Dev 42.82

pull1D
Entries 80
Mean −0.0135
Std Dev 0.5791

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 23.24 / 79
p0 13.53 ± 1.523
pull
Entries 80
Mean 304.2
Std Dev 260.1
pull1D
Entries 80
Mean 0.004353
Std Dev 0.539

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 109.9 / 79
p0 −37.07 ± 0.0672
pull
Entries 80
Mean −82.17
Std Dev 207
pull1D
Entries 80
Mean 0.003635
Std Dev 1.172

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 235 / 79
p0 −19.9 ± 1.591
pull
Entries 80
Mean 144.5
Std Dev 98.76

pull1D
Entries 80
Mean −0.29
Std Dev 1.689

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 98.96 / 79
p0 −16.78 ± 1.491
pull
Entries 80
Mean 353.9
Std Dev 309.7
pull1D
Entries 80
Mean 0.05342
Std Dev 1.111

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 244.7 / 79
p0 75.42 ± 1.575
pull
Entries 80
Mean 142.8
Std Dev 97.26

pull1D
Entries 80
Mean 0.3065
Std Dev 1.722

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 103.7 / 79
p0 33.56 ± 1.601
pull
Entries 80
Mean 278.5
Std Dev 234.2
pull1D
Entries 80
Mean −0.07077
Std Dev 1.136

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 46.27 / 79
p0 −37.05 ± 0.07109
pull
Entries 80
Mean 924.5
Std Dev 890.7
pull1D
Entries 80
Mean −0.006383
Std Dev 0.7605

reg_asym_dsl_diff_bpm1X_slope vs run

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 150.4 / 79
p0 0.06881 ± 0.07494
pull
Entries 80
Mean 313.4
Std Dev 265.1

pull1D
Entries 80
Mean −0.01027
Std Dev 1.371

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 73.56 / 79
p0 −0.1401± 0.07955
pull
Entries 80
Mean −136
Std Dev 158.7
pull1D
Entries 80
Mean 0.008724
Std Dev 0.9588

reg_asym_dsl_diff_bpm4eY_slope vs run

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 177.2 / 79
p0 −0.01168 ± 0.003379
pull
Entries 80
Mean −159.6
Std Dev 219.1

pull1D
Entries 80
Mean −0.008969
Std Dev 1.488

reg_asym_dsr_diff_bpm1X_slope vs run

reg_asym_dsr_diff_bpm4aY_slope vs run

reg_asym_dsr_diff_bpm4eX_slope vs run

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 71.11 / 79
p0 −0.003778 ± 0.1089
pull
Entries 80
Mean −338.3
Std Dev 381.1
pull1D
Entries 80
Mean −0.005473
Std Dev 0.9428

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 102 / 79
p0 0.004872 ± 0.004556
pull
Entries 80
Mean 75.53
Std Dev 13.96

pull1D
Entries 80
Mean 0.0636
Std Dev 1.127

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 80.54 / 79
p0 −43.23 ± 1.363
pull
Entries 80
Mean 140.9
Std Dev 95.42

pull1D
Entries 80
Mean −0.1679
Std Dev 0.9892

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.24 / 79
p0 −5.553 ± 1.282
pull
Entries 80
Mean 300.9
Std Dev 256.9

pull1D
Entries 80
Mean 0.03587
Std Dev 0.6904

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 87.53 / 79
p0 41.3 ± 1.349
pull
Entries 80
Mean 139
Std Dev 93.73

pull1D
Entries 80
Mean 0.1822
Std Dev 1.03

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 39.68 / 79
p0 23.71 ± 1.376
pull
Entries 80
Mean 244.2
Std Dev 199.8

pull1D
Entries 80
Mean −0.0445
Std Dev 0.7029

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 65.96 / 79
p0 −37.05 ± 0.06142
pull
Entries 80
Mean 627.6
Std Dev 609.2
pull1D
Entries 80
Mean −0.006024
Std Dev 0.908

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 340.9 / 79
p0 −23.36 ± 0.7235
pull
Entries 80
Mean 148.8
Std Dev 102.6

pull1D
Entries 80
Mean 0.3166
Std Dev 2.04

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 153.7 / 79
p0 11.17 ± 0.6761
pull
Entries 80
Mean 490.9
Std Dev 446.5

pull1D
Entries 80
Mean −0.04235
Std Dev 1.385

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 338.7 / 79
p0 −34.08 ± 0.7164
pull
Entries 80
Mean 147
Std Dev 101
pull1D
Entries 80
Mean −0.3271
Std Dev 2.031

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 161.7 / 79
p0 −9.742 ± 0.7246
pull
Entries 80
Mean 365
Std Dev 321
pull1D
Entries 80
Mean 0.06108
Std Dev 1.421

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 117.1 / 79
p0 −0.01873 ± 0.03045
pull
Entries 80
Mean 300.3
Std Dev 248
pull1D
Entries 80
Mean 0.02359
Std Dev 1.209

reg_asym_ds_avg_diff_bpm1X_slope vs run

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 107.9 / 79
p0 0.03294 ± 0.06314
pull
Entries 80
Mean 1014
Std Dev 970.2
pull1D
Entries 80
Mean −0.003755
Std Dev 1.161

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 90.03 / 79
p0 −0.08487 ± 0.06686
pull
Entries 80
Mean 60.8
Std Dev 22.41

pull1D
Entries 80
Mean 0.02967
Std Dev 1.06

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 115.6 / 79
p0 −0.04681 ± 0.06765
pull
Entries 80
Mean 377.7
Std Dev 330.5
pull1D
Entries 80
Mean 0.009713
Std Dev 1.202

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 124.9 / 79
p0 −0.003607 ± 0.002837
pull
Entries 80
Mean 99.71
Std Dev 38.57

pull1D
Entries 80
Mean 0.04848
Std Dev 1.249

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 75.54 / 79
p0 0.07175 ± 0.06759
pull
Entries 80
Mean 285.6
Std Dev 255.1
pull1D
Entries 80
Mean 0.007811
Std Dev 0.9717

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.96 / 79
p0 0.04185 ± 0.06322
pull
Entries 80
Mean 17.9
Std Dev 38.81

pull1D
Entries 80
Mean −0.01413
Std Dev 1.066

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 79.65 / 79
p0 −0.06402 ± 0.06692
pull
Entries 80
Mean 242.3
Std Dev 209.9

pull1D
Entries 80
Mean −0.01185
Std Dev 0.9978

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 103.1 / 79
p0 −0.03914 ± 0.06773
pull
Entries 80
Mean 32.38
Std Dev 40.65

pull1D
Entries 80
Mean 0.01499
Std Dev 1.135

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 132.7 / 79
p0 −0.008586 ± 0.002839
pull
Entries 80
Mean 55.76
Std Dev 10.2

pull1D
Entries 80
Mean −0.05137
Std Dev 1.287

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 26.86 / 79
p0 −33.51 ± 0.7559
pull
Entries 80
Mean 88.7
Std Dev 27.04
pull1D
Entries 80
Mean 0.01961
Std Dev 0.5791

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.06 / 79
p0 3.048 ± 0.7111
pull
Entries 80
Mean 204.1
Std Dev 148.7

pull1D
Entries 80
Mean −0.004334
Std Dev 0.5251

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.28 / 79
p0 3.825 ± 0.7481
pull
Entries 80
Mean 58.85
Std Dev 39.05

pull1D
Entries 80
Mean −0.01221
Std Dev 0.5731

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.08 / 79
p0 6.701 ± 0.7631
pull
Entries 80
Mean 225.1
Std Dev 179.7

pull1D
Entries 80
Mean 0.00697
Std Dev 0.5371

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 111.9 / 79
p0 −18.54 ± 0.03365
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 80
Mean −47.74
Std Dev 216.9
pull1D
Entries 80
Mean 0.003919
Std Dev 1.183

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 27.96 / 79
p0 −33.67 ± 0.7555
pull
Entries 80
Mean 75.61
Std Dev 22.11

pull1D
Entries 80
Mean 0.02242
Std Dev 0.5907

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.74 / 79
p0 2.937 ± 0.7107
pull
Entries 80
Mean −7524
Std Dev 7580

pull1D
Entries 80
Mean 5.501e−05
Std Dev 0.5332

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.67 / 79
p0 3.987 ± 0.7476
pull
Entries 80
Mean 44.07
Std Dev 44.59
pull1D
Entries 80
Mean −0.01479
Std Dev 0.5879

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.2 / 79
p0 6.83 ± 0.7626
pull
Entries 80
Mean 642
Std Dev 599.8

pull1D
Entries 80
Mean 0.001673
Std Dev 0.55

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 108.3 / 79
p0 −18.53 ± 0.03363
pull
Entries 80
Mean −117.1
Std Dev 186.9
pull1D
Entries 80
Mean 0.003439
Std Dev 1.163

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 235.9 / 79
p0 −9.977 ± 0.797
pull
Entries 80
Mean 145
Std Dev 99.33

pull1D
Entries 80
Mean −0.2889
Std Dev 1.693

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 99.12 / 79
p0 −8.398 ± 0.7472
pull
Entries 80
Mean 346.2
Std Dev 301.9

pull1D
Entries 80
Mean 0.05414
Std Dev 1.112

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 246 / 79
p0 37.73 ± 0.7889
pull
Entries 80
Mean 143.2
Std Dev 97.75

pull1D
Entries 80
Mean 0.3059
Std Dev 1.727

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.4 / 79
p0 16.79 ± 0.8021
pull
Entries 80
Mean 273.7
Std Dev 229.5

pull1D
Entries 80
Mean −0.07149
Std Dev 1.14

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 46.98 / 79
p0 −18.52 ± 0.03561
pull
Entries 80
Mean 1050
Std Dev 1016
pull1D
Entries 80
Mean −0.005428
Std Dev 0.7663

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 232.8 / 79
p0 −9.924 ± 0.7978
pull
Entries 80
Mean 144.1
Std Dev 98.33

pull1D
Entries 80
Mean −0.2892
Std Dev 1.681

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 98.54 / 79
p0 −8.378 ± 0.7478
pull
Entries 80
Mean 362.7
Std Dev 318.5
pull1D
Entries 80
Mean 0.0523
Std Dev 1.109

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 242 / 79
p0 37.7 ± 0.7897
pull
Entries 80
Mean 142.5
Std Dev 96.9

pull1D
Entries 80
Mean 0.3052
Std Dev 1.712

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 102.7 / 79
p0 16.77 ± 0.8027
pull
Entries 80
Mean 283.8
Std Dev 239.6

pull1D
Entries 80
Mean −0.06958
Std Dev 1.131

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 46.05 / 79
p0 −18.53 ± 0.03564
pull
Entries 80
Mean 845.6
Std Dev 811.6

pull1D
Entries 80
Mean −0.007178
Std Dev 0.7587

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 1217 / 79
p0 −19.69 ± 0.2795
pull
Entries 80
Mean 167.1
Std Dev 121
pull1D
Entries 80
Mean 0.5658
Std Dev 3.859

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 390.9 / 79
p0 6.245 ± 0.2603
pull
Entries 80
Mean 1519
Std Dev 1477

pull1D
Entries 80
Mean −0.02838
Std Dev 2.21

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 1168 / 79
p0 12.16 ± 0.2767
pull
Entries 80
Mean 163.5
Std Dev 117.7
pull1D
Entries 80
Mean −0.5772
Std Dev 3.778

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 116.7 / 79
p0 44.76 ± 0.2793
pull
Entries 80
Mean 628.9
Std Dev 588.5

pull1D
Entries 80
Mean 0.03058
Std Dev 1.208

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 120.8 / 79
p0 0.02869 ± 0.01177
pull
Entries 80
Mean 67.12
Std Dev 16.97
pull1D
Entries 80
Mean −0.2419
Std Dev 1.205

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 134.9 / 79
p0 8.506 ± 0.5188
pull
Entries 80
Mean 142.1
Std Dev 95.39

pull1D
Entries 80
Mean −0.2285
Std Dev 1.279

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.33 / 79
p0 −54.9 ± 0.4876
pull
Entries 80
Mean 386.9
Std Dev 345.2
pull1D
Entries 80
Mean 0.03526
Std Dev 0.673

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 134.1 / 79
p0 −15.46 ± 0.5136
pull
Entries 80
Mean 141.6
Std Dev 95.26
pull1D
Entries 80
Mean 0.2339
Std Dev 1.273

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.18 / 79
p0 −38.75 ± 0.5224
pull
Entries 80
Mean 319.1
Std Dev 282
pull1D
Entries 80
Mean −0.02233
Std Dev 0.4762

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 98.86 / 79
p0 0.4104 ± 0.02187
pull
Entries 80
Mean 77.92
Std Dev 20.27

pull1D
Entries 80
Mean 0.2478
Std Dev 1.084

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1341 / 79
p0 −25.76 ± 0.3816
pull
Entries 80
Mean 200.3
Std Dev 154

pull1D
Entries 80
Mean 0.4579
Std Dev 4.069

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 867 / 79
p0 −31.14 ± 0.378
pull
Entries 80
Mean 192.6
Std Dev 147.2
pull1D
Entries 80
Mean −0.4021
Std Dev 3.267

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 27.92 / 79
p0 0.1846 ± 0.01601
pull
Entries 80
Mean −46.05
Std Dev 78.17

pull1D
Entries 80
Mean −0.06558
Std Dev 0.5871

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 794.7 / 79
p0 −27.45 ± 0.1773
pull
Entries 80
Mean 203.3
Std Dev 157
pull1D
Entries 80
Mean 0.3396
Std Dev 3.133

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 170 / 79
p0 −2.96 ± 0.1628
pull
Entries 80
Mean −695
Std Dev 740.3
pull1D
Entries 80
Mean 0.032
Std Dev 1.457

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 336.2 / 79
p0 3.441 ± 0.1756
pull
Entries 80
Mean 188.4
Std Dev 143.4

pull1D
Entries 80
Mean −0.2549
Std Dev 2.034

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 30.77 / 79
p0 −0.1457 ± 0.007437
pull
Entries 80
Mean 54.99
Std Dev 35.98

pull1D
Entries 80
Mean −0.06695
Std Dev 0.6165

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 255.6 / 79
p0 −12.14 ± 0.3128
pull
Entries 80
Mean 190.7
Std Dev 144.4
pull1D
Entries 80
Mean 0.218
Std Dev 1.774

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 88.42 / 79
p0 9.605 ± 0.2863
pull
Entries 80
Mean −351.4
Std Dev 396.5

pull1D
Entries 80
Mean 0.04261
Std Dev 1.05

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 144.4 / 79
p0 −29.71 ± 0.3097
pull
Entries 80
Mean 171.3
Std Dev 127.6
pull1D
Entries 80
Mean −0.1767
Std Dev 1.332

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 148.2 / 79
p0 −29.54 ± 0.3081
pull
Entries 80
Mean −250.7
Std Dev 300.7
pull1D
Entries 80
Mean −0.05001
Std Dev 1.36

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 42.34 / 79
p0 0.4594 ± 0.01308
pull
Entries 80
Mean 136.4
Std Dev 91.28

pull1D
Entries 80
Mean 0.09598
Std Dev 0.7211

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 10.38 / 79
p0 −34.26 ± 1.164
pull
Entries 80
Mean 192.1
Std Dev 148.2

pull1D
Entries 80
Mean 0.04281
Std Dev 0.3577

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.671 / 79
p0 −25.82 ± 1.081
pull
Entries 80
Mean 169.4
Std Dev 109.7

pull1D
Entries 80
Mean −0.02367
Std Dev 0.3469

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.071 / 79
p0 −88.18 ± 1.152
pull
Entries 80
Mean 182.7
Std Dev 138.4

pull1D
Entries 80
Mean −0.03464
Std Dev 0.2953

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.04 / 79
p0 −116.2 ± 1.16
pull
Entries 80
Mean 221.3
Std Dev 166.6
pull1D
Entries 80
Mean 0.02696
Std Dev 0.447

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 71.56 / 79
p0 0.8057 ± 0.04854
pull
Entries 80
Mean 90.08
Std Dev 37.74

pull1D
Entries 80
Mean 0.1992
Std Dev 0.9245

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1988 / 79
p0 −81.59 ± 0.8317
pull
Entries 80
Mean 163.6
Std Dev 117.3

pull1D
Entries 80
Mean 0.5458
Std Dev 4.835

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 647 / 79
p0 19.42 ± 0.7725
pull
Entries 80
Mean 1460
Std Dev 1417

pull1D
Entries 80
Mean −0.03872
Std Dev 2.844

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1604 / 79
p0 −13.4 ± 0.8233
pull
Entries 80
Mean 160
Std Dev 114.2

pull1D
Entries 80
Mean −0.7047
Std Dev 4.422

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 346.4 / 79
p0 86.3 ± 0.8296
pull
Entries 80
Mean 594.4
Std Dev 552.7

pull1D
Entries 80
Mean 0.07324
Std Dev 2.08

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 97.33 / 79
p0 −0.4066 ± 0.03532
pull
Entries 80
Mean 51.67
Std Dev 30.69
pull1D
Entries 80
Mean −0.1866
Std Dev 1.087

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1042 / 79
p0 −62.69 ± 0.6809
pull
Entries 80
Mean 157.2
Std Dev 110.9

pull1D
Entries 80
Mean 0.5678
Std Dev 3.564

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 281.2 / 79
p0 45.23 ± 0.6353
pull
Entries 80
Mean 689.6
Std Dev 646.2

pull1D
Entries 80
Mean −0.05441
Std Dev 1.874

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 788.7 / 79
p0 −2.284 ± 0.674
pull
Entries 80
Mean 154.4
Std Dev 108.7

pull1D
Entries 80
Mean −0.5224
Std Dev 3.096

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 111.7 / 79
p0 56.28 ± 0.6817
pull
Entries 80
Mean 401.8
Std Dev 360.1

pull1D
Entries 80
Mean 0.05923
Std Dev 1.18

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 77.08 / 79
p0 −0.5477 ± 0.02893
pull
Entries 80
Mean 64.4
Std Dev 21.16
pull1D
Entries 80
Mean −0.1803
Std Dev 0.9649

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 15.75 / 79
p0 −9.832 ± 0.2481
pull
Entries 80
Mean 162.8
Std Dev 119.3

pull1D
Entries 80
Mean −0.05078
Std Dev 0.4408

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.16 / 79
p0 −28.72 ± 0.2315
pull
Entries 80
Mean 4203
Std Dev 4171

pull1D
Entries 80
Mean 0.001143
Std Dev 0.3898

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.22 / 79
p0 −10.64 ± 0.2481
pull
Entries 80
Mean −75.27
Std Dev 45.31
pull1D
Entries 80
Mean 0.007973
Std Dev 0.4361

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 96.46 / 79
p0 0.1341± 0.01036
pull
Entries 80
Mean 82.17
Std Dev 27.82

pull1D
Entries 80
Mean 0.2332
Std Dev 1.073

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 91.82 / 79
p0 3.373 ± 0.2095
pull
Entries 80
Mean 191.3
Std Dev 142.6

pull1D
Entries 80
Mean −0.114
Std Dev 1.065

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.06 / 79
p0 −3.267 ± 0.1919
pull
Entries 80
Mean −1029
Std Dev 1072
pull1D
Entries 80
Mean −0.01183
Std Dev 0.6896

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.78 / 79
p0 21.34 ± 0.2076
pull
Entries 80
Mean 177.2
Std Dev 131.4

pull1D
Entries 80
Mean 0.049
Std Dev 0.4948

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 149.4 / 79
p0 24.78 ± 0.2063
pull
Entries 80
Mean −2872
Std Dev 2916

pull1D
Entries 80
Mean 0.008448
Std Dev 1.367

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 39.56 / 79
p0 −0.0795 ± 0.008676
pull
Entries 80
Mean 139.2
Std Dev 94.51

pull1D
Entries 80
Mean −0.09831
Std Dev 0.6963

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 402.3 / 79
p0 −48.07 ± 0.638
pull
Entries 80
Mean 173
Std Dev 127.1

pull1D
Entries 80
Mean 0.3134
Std Dev 2.221

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 116.5 / 79
p0 9.37 ± 0.5888
pull
Entries 80
Mean 1115
Std Dev 1069

pull1D
Entries 80
Mean −0.01989
Std Dev 1.207

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 294.4 / 79
p0 −45.66 ± 0.6319
pull
Entries 80
Mean 171.2
Std Dev 125.7
pull1D
Entries 80
Mean −0.278
Std Dev 1.898

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.45 / 79
p0 −29.59 ± 0.6323
pull
Entries 80
Mean 679.9
Std Dev 634.9
pull1D
Entries 80
Mean 0.0244
Std Dev 0.8832

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 18.29 / 79
p0 0.1448 ± 0.02669
pull
Entries 80
Mean 199.3
Std Dev 154
pull1D
Entries 80
Mean 0.04277
Std Dev 0.4762

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1736 / 79
p0 35.2 ± 0.3789
pull
Entries 80
Mean 149.6
Std Dev 102.9

pull1D
Entries 80
Mean −0.7784
Std Dev 4.593

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 587.7 / 79
p0 −5.23 ± 0.3541
pull
Entries 80
Mean 524.9
Std Dev 482.2

pull1D
Entries 80
Mean 0.109
Std Dev 2.708

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1512 / 79
p0 −8.616 ± 0.375
pull
Entries 80
Mean 148.1
Std Dev 101.8

pull1D
Entries 80
Mean 0.7521
Std Dev 4.282

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 311.1 / 79
p0 −57.63 ± 0.3802
pull
Entries 80
Mean 307.8
Std Dev 267.2

pull1D
Entries 80
Mean −0.1433
Std Dev 1.967

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1926 / 79
p0 −50.84 ± 0.531
pull
Entries 80
Mean 160.7
Std Dev 114.4

pull1D
Entries 80
Mean 0.5553
Std Dev 4.757

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 626.8 / 79
p0 12.97 ± 0.4943
pull
Entries 80
Mean 1046
Std Dev 1003

pull1D
Entries 80
Mean −0.05377
Std Dev 2.799

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 1614 / 79
p0 −0.4207 ± 0.5256
pull
Entries 80
Mean 157.2
Std Dev 111.4

pull1D
Entries 80
Mean −0.7222
Std Dev 4.433

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 291.8 / 79
p0 65.43 ± 0.5307
pull
Entries 80
Mean 519.5
Std Dev 478

pull1D
Entries 80
Mean 0.07617
Std Dev 1.908

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 109.9 / 79
p0 −0.1906 ± 0.02257
pull
Entries 80
Mean 56.44
Std Dev 28.31

pull1D
Entries 80
Mean −0.2036
Std Dev 1.154

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1956 / 79
p0 −53.55 ± 0.5787
pull
Entries 80
Mean 174.2
Std Dev 128

pull1D
Entries 80
Mean 0.4798
Std Dev 4.806

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 636 / 79
p0 15.73 ± 0.535
pull
Entries 80
Mean −9226
Std Dev 9268

pull1D
Entries 80
Mean 0.005876
Std Dev 2.82

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 71.83 / 79
p0 −0.114 ± 0.0245
pull
Entries 80
Mean 38.32
Std Dev 33.61
pull1D
Entries 80
Mean −0.1496
Std Dev 0.9357

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 1681 / 79
p0 −15.72 ± 0.183
pull
Entries 80
Mean 188
Std Dev 142.2

pull1D
Entries 80
Mean 0.5732
Std Dev 4.547

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 1313 / 79
p0 −8.953 ± 0.1812
pull
Entries 80
Mean 177.8
Std Dev 132.9
pull1D
Entries 80
Mean −0.5523
Std Dev 4.013

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 42.35 / 79
p0 0.2403 ± 0.007739
pull
Entries 80
Mean 3.128
Std Dev 11.36

pull1D
Entries 80
Mean −0.07722
Std Dev 0.7234

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 797.2 / 79
p0 −18.92 ± 0.336
pull
Entries 80
Mean 200
Std Dev 153.6

pull1D
Entries 80
Mean 0.3564
Std Dev 3.136

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 254.6 / 79
p0 10.88 ± 0.3071
pull
Entries 80
Mean −431
Std Dev 474

pull1D
Entries 80
Mean 0.07031
Std Dev 1.782

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 477.6 / 79
p0 −30.46 ± 0.3328
pull
Entries 80
Mean 189.3
Std Dev 144.3

pull1D
Entries 80
Mean −0.3055
Std Dev 2.424

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 234.6 / 79
p0 −16.97 ± 0.3304
pull
Entries 80
Mean −567.3
Std Dev 611.5
pull1D
Entries 80
Mean −0.04865
Std Dev 1.712

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 20.29 / 79
p0 0.3236 ± 0.01406
pull
Entries 80
Mean 4.017e+04
Std Dev 4.013e+04

pull1D
Entries 80
Mean 0.0001871
Std Dev 0.5036

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1866 / 79
p0 30.62 ± 0.3203
pull
Entries 80
Mean 173.2
Std Dev 127

pull1D
Entries 80
Mean −0.5688
Std Dev 4.735

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 607.7 / 79
p0 −6.375 ± 0.2961
pull
Entries 80
Mean −2.428e+04
Std Dev 2.433e+04

pull1D
Entries 80
Mean −0.002186
Std Dev 2.756

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 411.4 / 79
p0 −20.97 ± 0.3181
pull
Entries 80
Mean 988.7
Std Dev 946.9

pull1D
Entries 80
Mean −0.04732
Std Dev 2.267

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 70.34 / 79
p0 0.2142 ± 0.01354
pull
Entries 80
Mean 41.1
Std Dev 32.66

pull1D
Entries 80
Mean 0.1554
Std Dev 0.9247

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1601 / 79
p0 27.8 ± 0.2904
pull
Entries 80
Mean 152.3
Std Dev 106

pull1D
Entries 80
Mean −0.7393
Std Dev 4.412

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 517.1 / 79
p0 −3.499 ± 0.2713
pull
Entries 80
Mean 623.5
Std Dev 580.5

pull1D
Entries 80
Mean 0.08395
Std Dev 2.541

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1449 / 79
p0 −8.814 ± 0.2874
pull
Entries 80
Mean 150.1
Std Dev 104.1

pull1D
Entries 80
Mean 0.7299
Std Dev 4.193

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 221.9 / 79
p0 −45.53 ± 0.2912
pull
Entries 80
Mean 359.6
Std Dev 318.7
pull1D
Entries 80
Mean −0.09908
Std Dev 1.662

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 141.2 / 79
p0 0.2882 ± 0.01234
pull
Entries 80
Mean 66.17
Std Dev 17.07
pull1D
Entries 80
Mean 0.2588
Std Dev 1.303

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 205.9 / 79
p0 20.85 ± 0.2327
pull
Entries 80
Mean 170.5
Std Dev 123.3
pull1D
Entries 80
Mean −0.2089
Std Dev 1.591

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.73 / 79
p0 37.32 ± 0.2332
pull
Entries 80
Mean 107.2
Std Dev 146.8

pull1D
Entries 80
Mean 0.01196
Std Dev 0.7393

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 104.2 / 79
p0 −0.2113 ± 0.009794
pull
Entries 80
Mean 82.47
Std Dev 28.95
pull1D
Entries 80
Mean −0.2382
Std Dev 1.116

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 818.5 / 79
p0 1.711 ± 0.08614
pull
Entries 80
Mean 410.6
Std Dev 368.5

pull1D
Entries 80
Mean −0.1704
Std Dev 3.194

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1650 / 79
p0 −0.2577 ± 0.09127
pull
Entries 80
Mean 147.5
Std Dev 100.4

pull1D
Entries 80
Mean −0.7592
Std Dev 4.478

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 755.4 / 79
p0 12.1 ± 0.09253
pull
Entries 80
Mean 248
Std Dev 207.7

pull1D
Entries 80
Mean 0.2789
Std Dev 3.06

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 195.4 / 79
p0 −0.1383 ± 0.003934
pull
Entries 80
Mean 50.72
Std Dev 32.33

pull1D
Entries 80
Mean −0.272
Std Dev 1.539

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 661.7 / 79
p0 9.351 ± 0.2414
pull
Entries 80
Mean −4402
Std Dev 4445

pull1D
Entries 80
Mean 0.01249
Std Dev 2.876

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1571 / 79
p0 −9.337 ± 0.2585
pull
Entries 80
Mean 170.6
Std Dev 125
pull1D
Entries 80
Mean −0.6362
Std Dev 4.385

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 73.35 / 79
p0 0.1004 ± 0.01107
pull
Entries 80
Mean 34.69
Std Dev 34.44

pull1D
Entries 80
Mean −0.1422
Std Dev 0.9469

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1815 / 79
p0 −46.31 ± 0.5008
pull
Entries 80
Mean 178.6
Std Dev 132.6

pull1D
Entries 80
Mean 0.5374
Std Dev 4.673

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1381 / 79
p0 −22.08 ± 0.4959
pull
Entries 80
Mean 173
Std Dev 127.6
pull1D
Entries 80
Mean −0.5916
Std Dev 4.113

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 329.8 / 79
p0 28.73 ± 0.4966
pull
Entries 80
Mean 6727
Std Dev 6685

pull1D
Entries 80
Mean 0.005727
Std Dev 2.03

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 55.63 / 79
p0 0.02541 ± 0.02118
pull
Entries 80
Mean 32.73
Std Dev 32.54
pull1D
Entries 80
Mean −0.1256
Std Dev 0.8244

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 37.82 / 79
p0 0.03756 ± 0.005231
pull
Entries 80
Mean 29.72
Std Dev 29.33

pull1D
Entries 80
Mean 0.1031
Std Dev 0.6798

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 122.4 / 79
p0 15.21 ± 1.935
pull
Entries 80
Mean 123.1
Std Dev 72.56

pull1D
Entries 80
Mean −0.0933
Std Dev 1.233

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 97.67 / 79
p0 −1.068 ± 1.813
pull
Entries 80
Mean 545
Std Dev 506.4
pull1D
Entries 80
Mean 0.018
Std Dev 1.105

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 132.5 / 79
p0 19.69 ± 1.916
pull
Entries 80
Mean 120.5
Std Dev 70.85

pull1D
Entries 80
Mean 0.1062
Std Dev 1.282

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 102.8 / 79
p0 −5.844 ± 1.942
pull
Entries 80
Mean 449.8
Std Dev 411.7

pull1D
Entries 80
Mean −0.02022
Std Dev 1.134

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 460.8 / 79
p0 −13.54 ± 0.08228
pull
Entries 80
Mean 339.6
Std Dev 302.6
pull1D
Entries 80
Mean −0.2163
Std Dev 1.927

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 53.38 / 79
p0 −283.3 ± 7.523
pull
Entries 80
Mean 138.5
Std Dev 92.21
pull1D
Entries 80
Mean −0.1415
Std Dev 0.8045

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 26.96 / 79
p0 −23.88 ± 7.049
pull
Entries 80
Mean 526.3
Std Dev 482.8
pull1D
Entries 80
Mean 0.01969
Std Dev 0.5802

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 58.27 / 79
p0 223.3 ± 7.446
pull
Entries 80
Mean 138.9
Std Dev 92.91
pull1D
Entries 80
Mean 0.1527
Std Dev 0.8397

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 31.83 / 79
p0 140.1 ± 7.571
pull
Entries 80
Mean 389.4
Std Dev 346.3

pull1D
Entries 80
Mean −0.0318
Std Dev 0.63

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 439.1 / 79
p0 −223.4 ± 0.3394
pull
Entries 80
Mean 646.3
Std Dev 601

pull1D
Entries 80
Mean 0.06464
Std Dev 2.342

reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 90.81 / 79
p0 −44.1 ± 2.265
pull
Entries 80
Mean −373.5
Std Dev 397.9

pull1D
Entries 80
Mean 0.003523
Std Dev 1.065

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 96.35 / 79
p0 8.374 ± 2.121
pull
Entries 80
Mean 331.9
Std Dev 288.5
pull1D
Entries 80
Mean −0.01668
Std Dev 1.097

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 87.52 / 79
p0 −13.48 ± 2.243
pull
Entries 80
Mean −2759
Std Dev 2788

pull1D
Entries 80
Mean −0.0004496
Std Dev 1.046

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 96.72 / 79
p0 −16.86 ± 2.273
pull
Entries 80
Mean 358.8
Std Dev 316.1
pull1D
Entries 80
Mean 0.01986
Std Dev 1.099

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 290.7 / 79
p0 −16.03 ± 0.09582
pull
Entries 80
Mean −359.5
Std Dev 383.1

pull1D
Entries 80
Mean 0.01789
Std Dev 1.906

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 132.2 / 79
p0 −251.4 ± 8.655
pull
Entries 80
Mean 131.2
Std Dev 84.99

pull1D
Entries 80
Mean −0.2566
Std Dev 1.26

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 46.96 / 79
p0 −61.3 ± 8.146
pull
Entries 80
Mean 335.8
Std Dev 290.9

pull1D
Entries 80
Mean 0.04592
Std Dev 0.7648

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 137.6 / 79
p0 342.4 ± 8.565
pull
Entries 80
Mean 130.2
Std Dev 84.19
pull1D
Entries 80
Mean 0.2688
Std Dev 1.284

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 48.87 / 79
p0 193.5 ± 8.747
pull
Entries 80
Mean 268
Std Dev 223

pull1D
Entries 80
Mean −0.06111
Std Dev 0.7792

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 35.14 / 79
p0 −253.6 ± 0.3928
pull
Entries 80
Mean 341.6
Std Dev 306

pull1D
Entries 80
Mean −0.02683
Std Dev 0.6622

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 64.48 / 79
p0 −134 ± 4.086
pull
Entries 80
Mean 134.8
Std Dev 88
pull1D
Entries 80
Mean −0.1542
Std Dev 0.8844

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 35.34 / 79
p0 −12.49 ± 3.828
pull
Entries 80
Mean 523.2
Std Dev 480.8

pull1D
Entries 80
Mean 0.02278
Std Dev 0.6642

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.46 / 79
p0 121.4 ± 4.044
pull
Entries 80
Mean 134.6
Std Dev 88.16

pull1D
Entries 80
Mean 0.1679
Std Dev 0.9301

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 39.41 / 79
p0 67.18 ± 4.112
pull
Entries 80
Mean 389.1
Std Dev 346.9

pull1D
Entries 80
Mean −0.03498
Std Dev 0.701

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 380.8 / 79
p0 −118.5 ± 0.1841
pull
Entries 80
Mean 710.1
Std Dev 663.9

pull1D
Entries 80
Mean 0.04806
Std Dev 2.181

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 48.22 / 79
p0 149.4 ± 3.683
pull
Entries 80
Mean 145.3
Std Dev 99.81

pull1D
Entries 80
Mean 0.1166
Std Dev 0.7676

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 26.62 / 79
p0 11.36 ± 3.45
pull
Entries 80
Mean 549.6
Std Dev 504.3

pull1D
Entries 80
Mean −0.01443
Std Dev 0.5767

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 51.19 / 79
p0 −102 ± 3.646
pull
Entries 80
Mean 146.6
Std Dev 101.3

pull1D
Entries 80
Mean −0.1244
Std Dev 0.7902

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.32 / 79
p0 −72.83 ± 3.705
pull
Entries 80
Mean 400.5
Std Dev 356.2

pull1D
Entries 80
Mean 0.02541
Std Dev 0.6351

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 495.5 / 79
p0 104.9 ± 0.1655
pull
Entries 80
Mean 615.3
Std Dev 570.9

pull1D
Entries 80
Mean −0.07717
Std Dev 2.488

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 122.2 / 79
p0 −147.8 ± 4.659
pull
Entries 80
Mean 133.2
Std Dev 87.38

pull1D
Entries 80
Mean −0.2373
Std Dev 1.213

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.33 / 79
p0 −26.29 ± 4.386
pull
Entries 80
Mean 353
Std Dev 308.1

pull1D
Entries 80
Mean 0.03679
Std Dev 0.7265

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 127.3 / 79
p0 164.5 ± 4.61
pull
Entries 80
Mean 131.5
Std Dev 85.8

pull1D
Entries 80
Mean 0.2494
Std Dev 1.237

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 41.9 / 79
p0 88.1 ± 4.709
pull
Entries 80
Mean 272.6
Std Dev 227.3

pull1D
Entries 80
Mean −0.04933
Std Dev 0.722

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 70.74 / 79
p0 −134.8 ± 0.2111
pull
Entries 80
Mean 296.4
Std Dev 262.3

pull1D
Entries 80
Mean −0.03649
Std Dev 0.9396

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 138.3 / 79
p0 104.1 ± 4.297
pull
Entries 80
Mean 132
Std Dev 85.5
pull1D
Entries 80
Mean 0.2538
Std Dev 1.29

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.49 / 79
p0 34.71 ± 4.04
pull
Entries 80
Mean 347.3
Std Dev 302.6

pull1D
Entries 80
Mean −0.04866
Std Dev 0.8609

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 142.9 / 79
p0 −178.5 ± 4.252
pull
Entries 80
Mean 131.5
Std Dev 85.36

pull1D
Entries 80
Mean −0.2653
Std Dev 1.31

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.84 / 79
p0 −105.1 ± 4.338
pull
Entries 80
Mean 280.2
Std Dev 235.4

pull1D
Entries 80
Mean 0.0654
Std Dev 0.8909

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 20.57 / 79
p0 118.8 ± 0.1942
124
122
120
118
116
pull
Entries 80
Mean 389.1
Std Dev 350.6
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 80
Mean 0.01778
Std Dev 0.5067
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 120.2 / 79
p0 −14.44 ± 1.513
pull
Entries 80
Mean 145.7
Std Dev 100.2
pull1D
Entries 80
Mean −0.05741
Std Dev 1.224

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 81.2 / 79
p0 3.707 ± 1.417
pull
Entries 80
Mean −705.1
Std Dev 735.3

pull1D
Entries 80
Mean −0.002928
Std Dev 1.007

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 125.9 / 79
p0 3.092 ± 1.498
pull
Entries 80
Mean 134.1
Std Dev 87.85
pull1D
Entries 80
Mean 0.06819
Std Dev 1.253

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 80.58 / 79
p0 −11.4 ± 1.519
pull
Entries 80
Mean −116.5
Std Dev 109.2
pull1D
Entries 80
Mean 0.003618
Std Dev 1.004

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 606.4 / 79
p0 −14.76 ± 0.06459
pull
Entries 80
Mean 414.5
Std Dev 381.4

pull1D
Entries 80
Mean −0.2128
Std Dev 2.311

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ2 / ndf 85.23 / 79
p0 29.66 ± 1.465
pull
Entries 80
Mean 101.9
Std Dev 41.45

pull1D
Entries 80
Mean −0.06454
Std Dev 1.03

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 114.4 / 79
p0 −4.687 ± 1.372
pull
Entries 80
Mean 453
Std Dev 412.5

pull1D
Entries 80
Mean 0.02362
Std Dev 1.196

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.11 / 79
p0 16.59 ± 1.45
pull
Entries 80
Mean 106.2
Std Dev 51.1
pull1D
Entries 80
Mean 0.07045
Std Dev 1.023

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 120.1 / 79
p0 5.457 ± 1.469
pull
Entries 80
Mean 424.8
Std Dev 384.6
pull1D
Entries 80
Mean −0.0269
Std Dev 1.225

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 88.05 / 79
p0 1.236 ± 0.06155
pull
Entries 80
Mean 156.2
Std Dev 104.7

pull1D
Entries 80
Mean −0.04366
Std Dev 1.048

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 91.2 / 79
p0 −267.4 ± 7.96
pull
Entries 80
Mean 133.7
Std Dev 87.51

pull1D
Entries 80
Mean −0.2064
Std Dev 1.048

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.43 / 79
p0 −42.54 ± 7.479
pull
Entries 80
Mean 390.3
Std Dev 345.9
pull1D
Entries 80
Mean 0.03402
Std Dev 0.6646

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 96.93 / 79
p0 282.9 ± 7.878
pull
Entries 80
Mean 133.1
Std Dev 87.16

pull1D
Entries 80
Mean 0.2185
Std Dev 1.079

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 39.18 / 79
p0 166.8 ± 8.032
pull
Entries 80
Mean 306.2
Std Dev 262

pull1D
Entries 80
Mean −0.04818
Std Dev 0.6981

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 99.33 / 79
p0 −238.6 ± 0.3609
pull
Entries 80
Mean 450.8
Std Dev 402.1

pull1D
Entries 80
Mean 0.0335
Std Dev 1.114

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 331.9 / 79
p0 13.64 ± 1.515
pull
Entries 80
Mean 151.7
Std Dev 106.1

pull1D
Entries 80
Mean −0.3073
Std Dev 2.013

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 130.3 / 79
p0 −17.66 ± 1.42
pull
Entries 80
Mean 412.8
Std Dev 366.6

pull1D
Entries 80
Mean 0.04346
Std Dev 1.276

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 321.5 / 79
p0 61.97 ± 1.5
pull
Entries 80
Mean 148.9
Std Dev 103.5

pull1D
Entries 80
Mean 0.3112
Std Dev 1.981

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 115.3 / 79
p0 25.39 ± 1.522
pull
Entries 80
Mean 304.8
Std Dev 256.8
pull1D
Entries 80
Mean −0.05079
Std Dev 1.199

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3372 / 79
p0 −14.85 ± 0.06489
pull
Entries 80
Mean 270.6
Std Dev 226.6

pull1D
Entries 80
Mean −0.1657
Std Dev 5.466

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 140 / 79
p0 −118 ± 4.65
pull
Entries 80
Mean 129.8
Std Dev 83.26

pull1D
Entries 80
Mean −0.2601
Std Dev 1.297

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.89 / 79
p0 −31.21 ± 4.375
pull
Entries 80
Mean 349.4
Std Dev 305.5

pull1D
Entries 80
Mean 0.04708
Std Dev 0.8117

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 147.5 / 79
p0 180.9 ± 4.601
pull
Entries 80
Mean 128.6
Std Dev 82.3

pull1D
Entries 80
Mean 0.2744
Std Dev 1.33

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 53.55 / 79
p0 93.9 ± 4.698
pull
Entries 80
Mean 278.2
Std Dev 234

pull1D
Entries 80
Mean −0.06179
Std Dev 0.8158

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 76.82 / 79
p0 −133.6 ± 0.2108
pull
Entries 80
Mean 305.5
Std Dev 269.4
pull1D
Entries 80
Mean −0.04091
Std Dev 0.9791

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 121.1 / 79
p0 133.8 ± 4.22
pull
Entries 80
Mean 135
Std Dev 89.31
pull1D
Entries 80
Mean 0.2355
Std Dev 1.208

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.4 / 79
p0 29.94 ± 3.971
pull
Entries 80
Mean 334.7
Std Dev 288.6

pull1D
Entries 80
Mean −0.04027
Std Dev 0.7523

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 124.4 / 79
p0 −161.8 ± 4.176
pull
Entries 80
Mean 134.2
Std Dev 88.62
pull1D
Entries 80
Mean −0.2449
Std Dev 1.223

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.02 / 79
p0 −99.46 ± 4.263
pull
Entries 80
Mean 265.4
Std Dev 219.2
pull1D
Entries 80
Mean 0.05513
Std Dev 0.7809

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.75 / 79
p0 120.1 ± 0.191
pull
Entries 80
Mean 412.3
Std Dev 377.6

pull1D
Entries 80
Mean 0.01252
Std Dev 0.4574

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 50.86 / 79
p0 −163.6 ± 4.132
pull
Entries 80
Mean 140.7
Std Dev 95.16
pull1D
Entries 80
Mean −0.1296
Std Dev 0.7867

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.91 / 79
p0 −7.697 ± 3.874
pull
Entries 80
Mean 628.5
Std Dev 585
pull1D
Entries 80
Mean 0.01257
Std Dev 0.5798

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.57 / 79
p0 104.8 ± 4.09
pull
Entries 80
Mean 139.9
Std Dev 94.34
pull1D
Entries 80
Mean 0.1406
Std Dev 0.8215

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.68 / 79
p0 61.53 ± 4.16
pull
Entries 80
Mean 412.2
Std Dev 369

pull1D
Entries 80
Mean −0.02248
Std Dev 0.5984

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 397.6 / 79
p0 −119.7 ± 0.186
−110
−115
−120
−125
−130
pull
Entries 80
Mean 642.3
Std Dev 595.9
4
2
0
−2
−4

pull1D
Entries 80
Mean 0.05576
Std Dev 2.229
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 62.89 / 79
p0 119.9 ± 3.731
pull
Entries 80
Mean 138.3
Std Dev 91.35
pull1D
Entries 80
Mean 0.1395
Std Dev 0.8756

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.02 / 79
p0 16.03 ± 3.492
pull
Entries 80
Mean 518.7
Std Dev 475.3
pull1D
Entries 80
Mean −0.02324
Std Dev 0.7069

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.52 / 79
p0 −118.7 ± 3.693
pull
Entries 80
Mean 139.9
Std Dev 93.55

pull1D
Entries 80
Mean −0.1499
Std Dev 0.8994

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.65 / 79
p0 −78.33 ± 3.75
pull
Entries 80
Mean 403.5
Std Dev 360.6
pull1D
Entries 80
Mean 0.0362
Std Dev 0.7709

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 448.3 / 79
p0 103.7 ± 0.1675
pull
Entries 80
Mean 670.5
Std Dev 626.3

pull1D
Entries 80
Mean −0.06645
Std Dev 2.366

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 90.54 / 79
p0 126.8 ± 3.844
pull
Entries 80
Mean 135.7
Std Dev 89.57
pull1D
Entries 80
Mean 0.198
Std Dev 1.045

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.87 / 79
p0 23.03 ± 3.61
pull
Entries 80
Mean 388.6
Std Dev 343.7

pull1D
Entries 80
Mean −0.03412
Std Dev 0.6962

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.94 / 79
p0 −140.2 ± 3.804
pull
Entries 80
Mean 135.7
Std Dev 89.85

pull1D
Entries 80
Mean −0.2083
Std Dev 1.069

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.76 / 79
p0 −88.97 ± 3.876
pull
Entries 80
Mean 309
Std Dev 264.3

pull1D
Entries 80
Mean 0.04899
Std Dev 0.7464

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 239.9 / 79
p0 21.56 ± 1.088
pull
Entries 80
Mean 145
Std Dev 98.15

pull1D
Entries 80
Mean −0.2533
Std Dev 1.713

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 139.9 / 79
p0 −11.07 ± 1.018
pull
Entries 80
Mean 486.1
Std Dev 442.2

pull1D
Entries 80
Mean 0.04006
Std Dev 1.322

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 237.4 / 79
p0 39.35 ± 1.078
pull
Entries 80
Mean 142.6
Std Dev 96.09

pull1D
Entries 80
Mean 0.2608
Std Dev 1.703

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 132.4 / 79
p0 15.32 ± 1.092
pull
Entries 80
Mean 381
Std Dev 336.6

pull1D
Entries 80
Mean −0.04801
Std Dev 1.286

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.72 / 79
p0 −19.44 ± 3.999
pull
Entries 80
Mean 403.5
Std Dev 359.7

pull1D
Entries 80
Mean 0.03184
Std Dev 0.6674

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.84 / 79
p0 142.8 ± 4.211
pull
Entries 80
Mean 132
Std Dev 85.94

pull1D
Entries 80
Mean 0.2186
Std Dev 1.096

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 37.42 / 79
p0 77.71 ± 4.294
pull
Entries 80
Mean 310.9
Std Dev 267.1

pull1D
Entries 80
Mean −0.04474
Std Dev 0.6824

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.8 / 79
p0 6.499 ± 0.9575
pull
Entries 80
Mean 349.2
Std Dev 294.2

pull1D
Entries 80
Mean −0.01602
Std Dev 1.122

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 172.8 / 79
p0 −22.67 ± 1.011
pull
Entries 80
Mean 160.8
Std Dev 116.6

pull1D
Entries 80
Mean −0.1803
Std Dev 1.459

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 99.17 / 79
p0 −9.989 ± 1.026
pull
Entries 80
Mean 167.9
Std Dev 91.53

pull1D
Entries 80
Mean 0.01949
Std Dev 1.113

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 3663 / 79
p0 −17.53 ± 0.1558
pull
Entries 80
Mean 38.17
Std Dev 39.78
pull1D
Entries 80
Mean −1.471
Std Dev 4.919

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 1106 / 79
p0 −3.157 ± 0.1427
pull
Entries 80
Mean −109.1
Std Dev 147.5

pull1D
Entries 80
Mean −0.5042
Std Dev 3.684

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 3509 / 79
p0 17.03 ± 0.1545
pull
Entries 80
Mean 41.5
Std Dev 39.96

pull1D
Entries 80
Mean 1.52
Std Dev 4.806

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 1181 / 79
p0 2.584 ± 0.1527
pull
Entries 80
Mean −116.4
Std Dev 154.5

pull1D
Entries 80
Mean 0.5039
Std Dev 3.809

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 161.1 / 79
p0 0.09484 ± 0.006213
pull
Entries 80
Mean −11.72
Std Dev 43.6
pull1D
Entries 80
Mean 0.3613
Std Dev 1.372

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 3652 / 79
p0 −17.4 ± 0.1545
pull
Entries 80
Mean 37.95
Std Dev 39.8

pull1D
Entries 80
Mean −1.606
Std Dev 4.811

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 1106 / 79
p0 −3.149 ± 0.1416
pull
Entries 80
Mean −108.1
Std Dev 146.4

pull1D
Entries 80
Mean −0.508
Std Dev 3.683

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 3497 / 79
p0 16.91 ± 0.1533
pull
Entries 80
Mean 41.27
Std Dev 40.01
pull1D
Entries 80
Mean 1.51
Std Dev 4.803

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 1181 / 79
p0 2.581 ± 0.1515
pull
Entries 80
Mean −115.5
Std Dev 153.6

pull1D
Entries 80
Mean 0.5074
Std Dev 3.809

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 163.2 / 79
p0 0.09384 ± 0.006163
pull
Entries 80
Mean −12.86
Std Dev 45.17

pull1D
Entries 80
Mean 0.3597
Std Dev 1.382

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 3647 / 79
p0 −17.53 ± 0.1555
pull
Entries 80
Mean 38.32
Std Dev 39.78

pull1D
Entries 80
Mean −1.609
Std Dev 4.791

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 1103 / 79
p0 −3.201 ± 0.1425
pull
Entries 80
Mean −109.9
Std Dev 148.2

pull1D
Entries 80
Mean −0.5011
Std Dev 3.68

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 3493 / 79
p0 17 ± 0.1543
pull
Entries 80
Mean 41.65
Std Dev 39.96

pull1D
Entries 80
Mean 1.51
Std Dev 4.79

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 1179 / 79
p0 2.61 ± 0.1525
pull
Entries 80
Mean −117.4
Std Dev 155.5

pull1D
Entries 80
Mean 0.5007
Std Dev 3.806

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 163.4 / 79
p0 0.09507 ± 0.006204
pull
Entries 80
Mean −14.44
Std Dev 47.18

pull1D
Entries 80
Mean 0.3551
Std Dev 1.385

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 3595 / 79
p0 −17.84 ± 0.1592
pull
Entries 80
Mean 38.61
Std Dev 39.95

pull1D
Entries 80
Mean −1.676
Std Dev 4.795

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 1121 / 79
p0 −3.348 ± 0.1459
pull
Entries 80
Mean −108.2
Std Dev 146.3
pull1D
Entries 80
Mean −0.5059
Std Dev 3.709

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 3442 / 79
p0 17.31 ± 0.1579
pull
Entries 80
Mean 41.78
Std Dev 40.1

pull1D
Entries 80
Mean 1.343
Std Dev 4.861

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 1203 / 79
p0 2.771 ± 0.1561
pull
Entries 80
Mean −114
Std Dev 151.8
pull1D
Entries 80
Mean 0.4037
Std Dev 3.755

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 271.5 / 79
p0 0.09806 ± 0.00635
pull
Entries 80
Mean −4.857
Std Dev 31.7
pull1D
Entries 80
Mean 0.3711
Std Dev 1.805

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 3729 / 79
p0 −17.1 ± 0.1543
pull
Entries 80
Mean 37.46
Std Dev 39.39
pull1D
Entries 80
Mean −1.751
Std Dev 4.786

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 1099 / 79
p0 −3.055 ± 0.1416
pull
Entries 80
Mean −106.8
Std Dev 144.9

pull1D
Entries 80
Mean −0.511
Std Dev 3.67

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 3574 / 79
p0 16.61 ± 0.1531
pull
Entries 80
Mean 40.56
Std Dev 39.65

pull1D
Entries 80
Mean 1.503
Std Dev 4.896

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 1175 / 79
p0 2.519 ± 0.1515
pull
Entries 80
Mean −113.6
Std Dev 151.6
pull1D
Entries 80
Mean 0.4126
Std Dev 3.721

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 181 / 79
p0 0.09678 ± 0.006148
pull
Entries 80
Mean −7.677
Std Dev 38.8

pull1D
Entries 80
Mean 0.3755
Std Dev 1.457