dit_asym_us_avg_mean vs run
χ² / ndf 99.61 / 81
p0 −3870 ± 895.2
pull
Entries 82
Mean −616.7
Std Dev 653.2
pull1D
Entries 82
Mean 0.004987
Std Dev 1.102

dit_asym_us_avg_rms vs run

asym_us_avg_correction_mean vs run
χ² / ndf 96.36 / 81
p0 1736 ± 1597
pull
Entries 82
Mean 83.06
Std Dev 94.02
pull1D
Entries 82
Mean −0.007202
Std Dev 1.084

asym_us_avg_correction_rms vs run

asym_us_avg_mean vs run
χ² / ndf 99.73 / 81
p0 −5400 ± 1802
pull
Entries 82
Mean −398.9
Std Dev 409.8
pull1D
Entries 82
Mean 0.003173
Std Dev 1.103

asym_us_avg_rms vs run
χ² / ndf 3687 / 81
p0 1595 ± 1.274
1800
1700
1600
1500
1400

dit_asym_us_dd_mean vs run
χ² / ndf 80.84 / 81
p0 68.61 ± 879.6
pull
Entries 82
Mean −45.82
Std Dev 101.8
pull1D
Entries 82
Mean 0.002147
Std Dev 0.9929

dit_asym_us_dd_rms vs run
χ² / ndf 95.88 / 81
p0 779.6 ± 0.622
800
790
780
770
760

asym_us_dd_correction_mean vs run
χ² / ndf 81.26 / 81
p0 5490 ± 2004
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −408.4
Std Dev 424.5
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.002642
Std Dev 0.9955
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_dd_correction_rms vs run

asym_us_dd_mean vs run
χ² / ndf 86.69 / 81
p0 1390 ± 1033
pull
Entries 82
Mean −10.66
Std Dev 47.7
pull1D
Entries 82
Mean 0.003851
Std Dev 1.028

asym_us_dd_rms vs run

dit_asym_usl_mean vs run
χ² / ndf 98.53 / 81
p0 −3794 ± 1254
pull
Entries 82
Mean −495.7
Std Dev 526.9
pull1D
Entries 82
Mean 0.00461
Std Dev 1.096

dit_asym_usl_rms vs run

asym_usl_correction_mean vs run
χ² / ndf 90.63 / 81
p0 405.6 ± 1609
pull
Entries 82
Mean 68.75
Std Dev 86.63
pull1D
Entries 82
Mean −0.008362
Std Dev 1.051

asym_usl_correction_rms vs run

asym_usl_mean vs run
χ² / ndf 109.5 / 81
p0 −4112 ± 2022
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −139.4
Std Dev 146.2
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.00759
Std Dev 1.156
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_rms vs run
χ2 / ndf 2339 / 81
p0 1791 ± 1.43
2000
1950
1900
1850
1800
1750
1700
1650

dit_asym_usr_mean vs run
χ² / ndf 82.66 / 81
p0 −3938 ± 1256
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −1076
Std Dev 1118
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.001992
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_usr_rms vs run
χ² / ndf 161.8 / 81
p0 1113 ± 0.8883
1150
1140
1130
1120
1110
1100
1090
1080

asym_usr_correction_mean vs run
χ² / ndf 95.91 / 81
p0 3059 ± 1763
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 101
Std Dev 102.8
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.005377
Std Dev 1.081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usr_correction_rms vs run

asym_usr_mean vs run
χ² / ndf 84.62 / 81
p0 −6763 ± 2131
pull
Entries 82
Mean −3619
Std Dev 3632
pull1D
Entries 82
Mean 0.0002938
Std Dev 1.016

asym_usr_rms vs run
χ^2 / ndf 3400 / 81
p0 1887 ± 1.507
2100
2000
1900
1800
1700

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 87.17 / 81
p0 −3452 ± 2065
pull
Entries 82
Mean 324.8
Std Dev 278.4

pull1D
Entries 82
Mean −0.01004
Std Dev 1.031

dit_asym_at1_avg_rms vs run

asym_at1_avg_correction_mean vs run
χ^2 / ndf 93.68 / 81
p0 423.9 ± 625.8
pull
Entries 82
Mean 111.8
Std Dev 87.97
pull1D
Entries 82
Mean −0.006615
Std Dev 1.069

asym_at1_avg_correction_rms vs run

asym_at1_avg_mean vs run
×10^3
χ² / ndf 97.29 / 81
p0 −3860 ± 2152
pull
Entries 82
Mean 366.1
Std Dev 324.4

pull1D
Entries 82
Mean −0.008064
Std Dev 1.089

asym_at1_avg_rms vs run
χ² / ndf 8079 / 81
p0 1902 ± 1.521
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 69.51 / 81
p0 2188 ± 2063
pull
Entries 82
Mean 2477
Std Dev 2422

pull1D
Entries 82
Mean 0.000299
Std Dev 0.9207

dit_asym_at1_dd_rms vs run
χ^2 / ndf 8228 / 81
p0 1824 ± 1.459
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_at1_dd_correction_mean vs run
χ² / ndf 69.29 / 81
p0 986.8 ± 443.5
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 115.5
Std Dev 102.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.003111
Std Dev 0.9192
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_dd_correction_rms vs run

asym_at1_dd_mean vs run
×10^3
χ² / ndf 67.58 / 81
p0 1226 ± 2111
pull
Entries 82
Mean −975.3
Std Dev 1033

pull1D
Entries 82
Mean −0.0006801
Std Dev 0.9078

asym_at1_dd_rms vs run

dit_asym_at2_avg_mean vs run
χ² / ndf 104 / 81
p0 −2410 ± 2205
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −497.4
Std Dev 533.8
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.003101
Std Dev 1.126
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at2_avg_rms vs run

asym_at2_avg_correction_mean vs run

asym_at2_avg_correction_rms vs run

asym_at2_avg_mean vs run
×10^3
χ² / ndf 101.5 / 81
p0 −1.431e+04 ± 1.056e+04
pull
Entries 82
Mean 40.71
Std Dev 103

pull1D
Entries 82
Mean 0.007573
Std Dev 1.113

asym_at2_avg_rms vs run
χ² / ndf 5634 / 81
p0 9342 ± 7.466
11000
10500
10000
9500
9000
8500
8000

dit_asym_at2_dd_mean vs run
χ² / ndf 71.56 / 81
p0 593.1 ± 1841
pull
Entries 82
Mean 1151
Std Dev 1127
pull1D
Entries 82
Mean 0.002076
Std Dev 0.9342

dit_asym_at2_dd_rms vs run

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 68.15 / 81
p0 3510 ± 3795
pull
Entries 82
Mean 1342
Std Dev 1322

pull1D
Entries 82
Mean 0.001692
Std Dev 0.9116

asym_at2_dd_correction_rms vs run

asym_at2_dd_mean vs run
χ² / ndf 67.1 / 81
p0 −2895 ± 2069
pull
Entries 82
Mean 1219
Std Dev 1203
pull1D
Entries 82
Mean −0.001716
Std Dev 0.9046

asym_at2_dd_rms vs run

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 92.96 / 81
p0 −1477 ± 1905
pull
Entries 82
Mean 504.6
Std Dev 445

pull1D
Entries 82
Mean −0.002007
Std Dev 1.065

dit_asym_atl_avg_rms vs run

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 96.24 / 81
p0 5498 ± 5244
pull
Entries 82
Mean 83.29
Std Dev 92.69

pull1D
Entries 82
Mean −0.007382
Std Dev 1.083

asym_atl_avg_correction_rms vs run

asym_atl_avg_mean vs run
×10^3
χ² / ndf 109.7 / 81
p0 −7253 ± 5533
pull
Entries 82
Mean 39.22
Std Dev 98.13

pull1D
Entries 82
Mean 0.006292
Std Dev 1.156

asym_atl_avg_rms vs run
χ^2 / ndf 7940 / 81
p0 4892 ± 3.913
7500
7000
6500
6000
5500
5000
4500
4000

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 86.51 / 81
p0 209.4 ± 1865
pull
Entries 82
Mean 239.1
Std Dev 207.6

pull1D
Entries 82
Mean −0.006851
Std Dev 1.027

dit_asym_atl_dd_rms vs run
χ^2 / ndf 2.074e+04 / 81
p0 1642 ± 1.319
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 95.22 / 81
p0 −4088 ± 4634
pull
Entries 82
Mean 79.72
Std Dev 89.93

pull1D
Entries 82
Mean 0.007781
Std Dev 1.078

asym_atl_dd_correction_rms vs run

asym_atl_dd_mean vs run
×10^3
χ² / ndf 101.7 / 81
p0 4030 ± 4978
pull
Entries 82
Mean 163.2
Std Dev 89.29

pull1D
Entries 82
Mean −0.008742
Std Dev 1.114

asym_atl_dd_rms vs run

dit_asym_atr_avg_mean vs run
χ² / ndf 79.53 / 81
p0 −4621 ± 2217
pull
Entries 82
Mean −2429
Std Dev 2468
pull1D
Entries 82
Mean 0.001379
Std Dev 0.9848

dit_asym_atr_avg_rms vs run

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 96.56 / 81
p0 6854 ± 5849
pull
Entries 82
Mean 88.37
Std Dev 92.81

pull1D
Entries 82
Mean −0.007121
Std Dev 1.085

asym_atr_avg_correction_rms vs run

asym_atr_avg_mean vs run
×10^3
χ² / ndf 100.9 / 81
p0 −1.092e+04 ± 6155
200
100
0
−100
−200
pull
Entries 82
Mean −332.6
Std Dev 332.5
3
2
1
0
−1
−2

pull1D
Entries 82
Mean 0.00276
Std Dev 1.109
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_avg_rms vs run

dit_asym_atr_dd_mean vs run
χ² / ndf 82.77 / 81
p0 −1313 ± 2177
pull
Entries 82
Mean 54.68
Std Dev 98.8
pull1D
Entries 82
Mean −0.006719
Std Dev 1.005

dit_asym_atr_dd_rms vs run

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 96.78 / 81
p0 −7403 ± 5314
pull
Entries 82
Mean 85.87
Std Dev 96.59

pull1D
Entries 82
Mean 0.006699
Std Dev 1.086

asym_atr_dd_correction_rms vs run

asym_atr_dd_mean vs run
×10^3
χ² / ndf 85.18 / 81
p0 5949 ± 5655
pull
Entries 82
Mean 71.43
Std Dev 109.3

pull1D
Entries 82
Mean −0.007851
Std Dev 1.019

asym_atr_dd_rms vs run

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 102.7 / 81
p0 −3091 ± 1539
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1873
Std Dev 1831
pull1D
Entries 82
Mean −0.001662
Std Dev 1.119

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 1.185e+04 / 81
p0 1359 ± 1.088
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 96.43 / 81
p0 6176 ± 5545
pull
Entries 82
Mean 85.94
Std Dev 92.78

pull1D
Entries 82
Mean −0.007245
Std Dev 1.084

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5986 / 81
p0 4905 ± 3.921
6000
5500
5000
4500
4000

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 107.4 / 81
p0 −9236 ± 5672
pull
Entries 82
Mean −62.26
Std Dev 46.91

pull1D
Entries 82
Mean 0.005669
Std Dev 1.145

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5677 / 81
p0 5018 ± 4.01
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 65.1 / 81
p0 1476 ± 1396
pull
Entries 82
Mean −859.3
Std Dev 890.4
pull1D
Entries 82
Mean −0.002245
Std Dev 0.891

dit_asym_atl_avg_atr_avg_dd_rms vs run

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 93.53 / 81
p0 −676.4 ± 333.4
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 149.8
Std Dev 76.79
pull1D
Entries 82
Mean 0.004335
Std Dev 1.068

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 7389 / 81
p0 294.8 ± 0.2357
340
320
300
280
260
240

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 65.23 / 81
p0 2113 ± 1434
pull
Entries 82
Mean −766.9
Std Dev 792.1
pull1D
Entries 82
Mean −0.002292
Std Dev 0.8919

asym_atl_avg_atr_avg_dd_rms vs run

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 90.96 / 81
p0 −608.4 ± 1497
pull
Entries 82
Mean 156
Std Dev 93.1
pull1D
Entries 82
Mean −0.007229
Std Dev 1.053

dit_asym_atl_dd_atr_dd_avg_rms vs run

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 96.44 / 81
p0 −5748 ± 4941
pull
Entries 82
Mean 82.88
Std Dev 93.19

pull1D
Entries 82
Mean 0.00726
Std Dev 1.084

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 6160 / 81
p0 4371 ± 3.494
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 94.36 / 81
p0 4975 ± 5102
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 121.2
Std Dev 59.29
2
1
0
−1
−2
−3

pull1D
Entries 82
Mean −0.008578
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_avg_rms vs run

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 75.69 / 81
p0 849 ± 1384
pull
Entries 82
Mean 333.1
Std Dev 318.2
pull1D
Entries 82
Mean −0.004377
Std Dev 0.9607

dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 77.1 / 81
p0 1633 ± 667.2
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 32.39
Std Dev 143.2
pull1D
Entries 82
Mean 0.002373
Std Dev 0.9696

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 7776 / 81
p0 589.9 ± 0.4718
700
680
660
640
620
600
580
560
540
520

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 69 / 81
p0 −780.1± 1535
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 283.5
Std Dev 279.3
pull1D
Entries 82
Mean −0.00447
Std Dev 0.9173

asym_atl_dd_atr_dd_dd_rms vs run

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 78.68 / 81
p0 −1238 ± 2672
pull
Entries 82
Mean 392
Std Dev 349.2

pull1D
Entries 82
Mean −0.004201
Std Dev 0.9796

dit_asym_atl1_rms vs run

asym_atl1_correction_mean vs run
χ² / ndf 94.71 / 81
p0 1388 ± 715.8
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 165.5
Std Dev 140.4
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.002246
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl1_correction_rms vs run

asym_atl1_mean vs run
×10^3
χ² / ndf 80.94 / 81
p0 −2589 ± 2763
pull
Entries 82
Mean 401.2
Std Dev 366.6

pull1D
Entries 82
Mean −0.003731
Std Dev 0.9935

asym_atl1_rms vs run

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 100.8 / 81
p0 −1723 ± 2624
pull
Entries 82
Mean 52.19
Std Dev 97.99

pull1D
Entries 82
Mean 0.004518
Std Dev 1.109

dit_asym_atl2_rms vs run

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 95.79 / 81
p0 9588 ± 9871
pull
Entries 82
Mean 81.56
Std Dev 91.35

pull1D
Entries 82
Mean −0.00758
Std Dev 1.081

asym_atl2_correction_rms vs run

asym_atl2_mean vs run
×10^3
χ² / ndf 107.8 / 81
p0 −1.158e+04 ± 1.012e+04
pull
Entries 82
Mean 92.44
Std Dev 66.63

pull1D
Entries 82
Mean 0.008877
Std Dev 1.146

asym_atl2_rms vs run

dit_asym_atr1_mean vs run
χ^2 / ndf 77.8 / 81
p0 −5891 ± 3132
×10^3
pull
Entries 82
Mean 595.6
Std Dev 547.9

pull1D
Entries 82
Mean −0.004477
Std Dev 0.974

dit_asym_atr1_rms vs run

asym_atr1_correction_mean vs run
χ² / ndf 78.34 / 81
p0 −579.4 ± 811.2
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 115
Std Dev 69.89
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.005797
Std Dev 0.9774
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr1_correction_rms vs run

asym_atr1_mean vs run
×10^3
χ² / ndf 83.68 / 81
p0 −5319 ± 3232
pull
Entries 82
Mean 873.7
Std Dev 829.1

pull1D
Entries 82
Mean −0.002765
Std Dev 1.01

asym_atr1_rms vs run

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 84.13 / 81
p0 −3309 ± 3081
pull
Entries 82
Mean −370.5
Std Dev 398.7

pull1D
Entries 82
Mean 0.005769
Std Dev 1.013

dit_asym_atr2_rms vs run

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 96.77 / 81
p0 1.426e+04 ± 1.115e+04
pull
Entries 82
Mean 87.25
Std Dev 94.53

pull1D
Entries 82
Mean −0.006932
Std Dev 1.086

asym_atr2_correction_rms vs run

asym_atr2_mean vs run
×10^3
χ² / ndf 94.45 / 81
p0 −1.68e+04 ± 1.136e+04
pull
Entries 82
Mean −46.76
Std Dev 103.4

pull1D
Entries 82
Mean 0.005075
Std Dev 1.073

asym_atr2_rms vs run

dit_asym_sam1_mean vs run
χ² / ndf 86.44 / 81
p0 147.6 ± 94.8
pull
Entries 82
Mean −1521
Std Dev 1570
pull1D
Entries 82
Mean 0.001397
Std Dev 1.027

dit_asym_sam1_rms vs run
χ^2 / ndf 476.1 / 81
p0 84.01 ± 0.06704
90
88
86
84
82
80

asym_sam1_correction_mean vs run
χ² / ndf 65.79 / 81
p0 −623.5 ± 406.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 1288
Std Dev 1241
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.001488
Std Dev 0.8957
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_correction_rms vs run

asym_sam1_mean vs run
χ² / ndf 67.36 / 81
p0 775.8 ± 408.1
pull
Entries 82
Mean 1193
Std Dev 1146
pull1D
Entries 82
Mean 0.001205
Std Dev 0.9064

asym_sam1_rms vs run
χ² / ndf 2961 / 81
p0 361.3 ± 0.2886
400
380
360
340
320

dit_asym_sam2_mean vs run
χ² / ndf 93.77 / 81
p0 418.7 ± 310.2
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −186
Std Dev 235.1
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.01492
Std Dev 1.069
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam2_rms vs run
χ^2 / ndf 904 / 81
p0 274.9 ± 0.2194
295
290
285
280
275
270
265
260

asym_sam2_correction_mean vs run
χ² / ndf 65.33 / 81
p0 −4581 ± 2093
pull
Entries 82
Mean −921.2
Std Dev 958.6
pull1D
Entries 82
Mean 0.0008993
Std Dev 0.8926

asym_sam2_correction_rms vs run

asym_sam2_mean vs run
χ² / ndf 68.02 / 81
p0 5009 ± 2090
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −358.2
Std Dev 399.5
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.003364
Std Dev 0.9108
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam2_rms vs run
χ² / ndf 6377 / 81
p0 1849 ± 1.478
2100
2000
1900
1800
1700
1600

dit_asym_sam3_mean vs run
χ² / ndf 84.9 / 81
p0 −141.7 ± 85.72
pull
Entries 82
Mean 87.23
Std Dev 57.48
pull1D
Entries 82
Mean −0.03204
Std Dev 1.017

dit_asym_sam3_rms vs run

asym_sam3_correction_mean vs run
χ² / ndf 74.06 / 81
p0 −1420 ± 661.1
pull
Entries 82
Mean 19.53
Std Dev 76.79
pull1D
Entries 82
Mean −0.005482
Std Dev 0.9503

asym_sam3_correction_rms vs run

asym_sam3_mean vs run
χ² / ndf 73.64 / 81
p0 1320 ± 684.4
pull
Entries 82
Mean 192.3
Std Dev 107.6
pull1D
Entries 82
Mean −0.0024
Std Dev 0.9477

asym_sam3_rms vs run
χ² / ndf 1.113e+04 / 81
p0 604.4 ± 0.4839
750
700
650
600
550
500

dit_asym_sam4_mean vs run
χ² / ndf 80.47 / 81
p0 −1102 ± 300.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 876.6
Std Dev 830.7
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.003512
Std Dev 0.9906
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam4_rms vs run

asym_sam4_correction_mean vs run
χ² / ndf 76.96 / 81
p0 −2179 ± 1922
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −233.6
Std Dev 291.1
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.003754
Std Dev 0.9688
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam4_correction_rms vs run
χ² / ndf 3132 / 81
p0 1702 ± 1.359
1900
1800
1700
1600
1500

asym_sam4_mean vs run
χ² / ndf 78.73 / 81
p0 1152 ± 1915
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1911
Std Dev 1966
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0007598
Std Dev 0.9799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam4_rms vs run
χ² / ndf 4270 / 81
p0 1695 ± 1.354
1900
1800
1700
1600
1500

dit_asym_sam5_mean vs run
χ² / ndf 89.57 / 81
p0 −419.7 ± 191.8
pull
Entries 82
Mean −686
Std Dev 738.7
pull1D
Entries 82
Mean 0.003358
Std Dev 1.045

dit_asym_sam5_rms vs run

asym_sam5_correction_mean vs run
χ² / ndf 68.47 / 81
p0 758.8 ± 1096
pull
Entries 82
Mean 1213
Std Dev 1163
pull1D
Entries 82
Mean 0.001319
Std Dev 0.9138

asym_sam5_correction_rms vs run

asym_sam5_mean vs run
χ² / ndf 69.89 / 81
p0 −1143 ± 1072
pull
Entries 82
Mean 823.2
Std Dev 772.5
pull1D
Entries 82
Mean −0.002515
Std Dev 0.9232

asym_sam5_rms vs run

dit_asym_sam6_mean vs run
χ² / ndf 88.9 / 81
p0 −359.8 ± 204.6
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −283.8
Std Dev 337.8
3
2
1
0
−1
−2

pull1D
Entries 82
Mean 0.005443
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam6_rms vs run

asym_sam6_correction_mean vs run
χ² / ndf 64.03 / 81
p0 2565 ± 1324
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −522.6
Std Dev 564.9
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.002069
Std Dev 0.8836
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam6_correction_rms vs run
χ^2 / ndf 5132 / 81
p0 1171 ± 0.9361
1350
1300
1250
1200
1150
1100
1050
1000

asym_sam6_mean vs run
χ² / ndf 65.48 / 81
p0 −2859 ± 1292
pull
Entries 82
Mean −4368
Std Dev 4413
pull1D
Entries 82
Mean 0.0003247
Std Dev 0.8936

asym_sam6_rms vs run
χ² / ndf 6326 / 81
p0 1143 ± 0.9137
1350
1300
1250
1200
1150
1100
1050
1000

dit_asym_sam7_mean vs run
χ^2 / ndf 76.91 / 81
p0 −162.5 ± 95.61
pull
Entries 82
Mean −101.8
Std Dev 141.2
pull1D
Entries 82
Mean −0.04013
Std Dev 0.9676

dit_asym_sam7_rms vs run

asym_sam7_correction_mean vs run
χ² / ndf 69.66 / 81
p0 −830.5 ± 316.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 0.8612
Std Dev 93.89
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.003969
Std Dev 0.9217
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam7_correction_rms vs run

asym_sam7_mean vs run
χ² / ndf 71.83 / 81
p0 632.5 ± 318.1
pull
Entries 82
Mean −626.1
Std Dev 656.9
pull1D
Entries 82
Mean −0.002472
Std Dev 0.9359

asym_sam7_rms vs run
χ^2 / ndf 7721 / 81
p0 281.3 ± 0.225
330
320
310
300
290
280
270
260
250
240

dit_asym_sam8_mean vs run
χ² / ndf 75.94 / 81
p0 56.93 ± 82.35
pull
Entries 82
Mean 72.22
Std Dev 31.05
pull1D
Entries 82
Mean −0.0192
Std Dev 0.9621

dit_asym_sam8_rms vs run
χ^2 / ndf 2.202e+04 / 81
p0 72.47 ± 0.05823
110
100
90
80
70

asym_sam8_correction_mean vs run
χ² / ndf 67.85 / 81
p0 −764.8 ± 282.7
pull
Entries 82
Mean 322.3
Std Dev 293.5
pull1D
Entries 82
Mean −0.002275
Std Dev 0.9097

asym_sam8_correction_rms vs run

asym_sam8_mean vs run
χ² / ndf 71.97 / 81
p0 803.3 ± 282.4
pull
Entries 82
Mean −1650
Std Dev 1664
pull1D
Entries 82
Mean −0.0002921
Std Dev 0.9369

asym_sam8_rms vs run

dit_asym_sam_15_avg_mean vs run
χ² / ndf 88.85 / 81
p0 −138.5 ± 74.37
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −547.8
Std Dev 599.2
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.007722
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_avg_rms vs run

asym_sam_15_avg_correction_mean vs run
χ² / ndf 70.15 / 81
p0 73.1 ± 365.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 3640
Std Dev 3588
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0003625
Std Dev 0.9249
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_avg_correction_rms vs run

asym_sam_15_avg_mean vs run
χ² / ndf 72.97 / 81
p0 −194 ± 357.4
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1300
Std Dev 1248
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.001744
Std Dev 0.9433
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_avg_rms vs run

dit_asym_sam_26_avg_mean vs run
χ² / ndf 68.19 / 81
p0 77.47 ± 104.7
pull
Entries 82
Mean −34.17
Std Dev 79.44

pull1D
Entries 82
Mean −0.03887
Std Dev 0.9111

dit_asym_sam_26_avg_rms vs run

asym_sam_26_avg_correction_mean vs run
χ² / ndf 68.22 / 81
p0 −1002 ± 405.8
pull
Entries 82
Mean 214
Std Dev 202
pull1D
Entries 82
Mean −0.001883
Std Dev 0.9121

asym_sam_26_avg_correction_rms vs run

asym_sam_26_avg_mean vs run
χ² / ndf 72.18 / 81
p0 1092 ± 423.9
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −74
Std Dev 106.7
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.009285
Std Dev 0.9381
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_avg_rms vs run

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 73.76 / 81
p0 −143.8 ± 74.61
pull
Entries 82
Mean −13.38
Std Dev 55.78
pull1D
Entries 82
Mean −0.04727
Std Dev 0.9473

dit_asym_sam_37_avg_rms vs run

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 72.25 / 81
p0 −1122 ± 474.9
pull
Entries 82
Mean 17.38
Std Dev 77.82
pull1D
Entries 82
Mean −0.005508
Std Dev 0.9386

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 7467 / 81
p0 419.9 ± 0.3358
520
500
480
460
440
420
400
380
360

asym_sam_37_avg_mean vs run
χ² / ndf 73.55 / 81
p0 979.5 ± 488
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −62.18
Std Dev 14.77
3
2
1
0
−1
pull1D
Entries 82
Mean −0.002777
Std Dev 0.9471
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.05e+04 / 81
p0 431.1 ± 0.3451
540
520
500
480
460
440
420
400
380
360

dit_asym_sam_48_avg_mean vs run
χ² / ndf 71.56 / 81
p0 −521.8 ± 172.7
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 82
Mean 436.1
Std Dev 388.9
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.006999
Std Dev 0.9341
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_48_avg_rms vs run

asym_sam_48_avg_correction_mean vs run
χ² / ndf 76.84 / 81
p0 −1456 ± 1057
pull
Entries 82
Mean −149.6
Std Dev 209.1
pull1D
Entries 82
Mean −0.004554
Std Dev 0.968

asym_sam_48_avg_correction_rms vs run

asym_sam_48_avg_mean vs run
χ² / ndf 79.14 / 81
p0 967.9 ± 1053
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −1046
Std Dev 1102
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.001197
Std Dev 0.9824
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 5723 / 81
p0 931.3 ± 0.7444
1100
1050
1000
950
900
850
800

dit_asym_sam_15_dd_mean vs run
χ2 / ndf 88.84 / 81
p0 281.1 ± 131.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −1398
Std Dev 1454
2
1
0
−1
−2
−3

pull1D
Entries 82
Mean −0.0006756
Std Dev 1.041
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 67.68 / 81
p0 −688 ± 741.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 1066
Std Dev 1017
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.001605
Std Dev 0.9085
18
16
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

asym_sam_15_dd_mean vs run
χ² / ndf 68.78 / 81
p0 954.5 ± 727.6
pull
Entries 82
Mean 763.1
Std Dev 713.3
pull1D
Entries 82
Mean 0.002531
Std Dev 0.9158

asym_sam_15_dd_rms vs run

dit_asym_sam_26_dd_mean vs run
χ² / ndf 96.86 / 81
p0 373.1 ± 239.3
pull
Entries 82
Mean −328.2
Std Dev 379.1
pull1D
Entries 82
Mean −0.007881
Std Dev 1.087

dit_asym_sam_26_dd_rms vs run

asym_sam_26_dd_correction_mean vs run
χ² / ndf 64.77 / 81
p0 −3575 ± 1703
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −656.1
Std Dev 695.7
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.001413
Std Dev 0.8888
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_dd_correction_rms vs run

asym_sam_26_dd_mean vs run
χ2 / ndf 67.01 / 81
p0 3928 ± 1685
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −637.6
Std Dev 680.4
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.002041
Std Dev 0.904
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_dd_rms vs run
χ² / ndf 6161 / 81
p0 1490 ± 1.191
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250

dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 89.63 / 81
p0 12.63 ± 51.65
pull
Entries 82
Mean −1879
Std Dev 1916
pull1D
Entries 82
Mean 0.003443
Std Dev 1.046

dit_asym_sam_37_dd_rms vs run

asym_sam_37_dd_correction_mean vs run
χ² / ndf 78.17 / 81
p0 −303.3 ± 207.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 11.28
Std Dev 92.94
2
1
0
−1
−2

pull1D
Entries 82
Mean −0.003306
Std Dev 0.9764
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_dd_correction_rms vs run

asym_sam_37_dd_mean vs run
χ^2 / ndf 72.04 / 81
p0 338.6 ± 216.2
pull
Entries 82
Mean 1709
Std Dev 1663
pull1D
Entries 82
Mean −0.001073
Std Dev 0.9373

asym_sam_37_dd_rms vs run
χ^2 / ndf 9756 / 81
p0 191 ± 0.1529
230
220
210
200
190
180
170
160

dit_asym_sam_48_dd_mean vs run
χ² / ndf 93.01 / 81
p0 −577.2 ± 136.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −2.507e+04
Std Dev 2.511e+04
pull1D
Entries 82
Mean 0.000118
Std Dev 1.065

dit_asym_sam_48_dd_rms vs run

asym_sam_48_dd_correction_mean vs run
χ² / ndf 76.69 / 81
p0 −726.6 ± 877.8
pull
Entries 82
Mean −430.4
Std Dev 486.2
pull1D
Entries 82
Mean −0.002557
Std Dev 0.9671

asym_sam_48_dd_correction_rms vs run

asym_sam_48_dd_mean vs run
χ² / ndf 77.84 / 81
p0 186.2 ± 873.8
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −1.008e+04
Std Dev 1.013e+04
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0001657
Std Dev 0.9743
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_dd_rms vs run

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 76.87 / 81
p0 145.5 ± 66.47
pull
Entries 82
Mean −934.3
Std Dev 960.2
pull1D
Entries 82
Mean 0.001643
Std Dev 0.9682

dit_asym_sam_13_57_dd_rms vs run

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 64.64 / 81
p0 −472.3 ± 363.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −2298
Std Dev 2344
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.0004114
Std Dev 0.8879
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_13_57_dd_correction_rms vs run

asym_sam_13_57_dd_mean vs run
χ² / ndf 67.03 / 81
p0 659.5 ± 349.5
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −1.282e+04
Std Dev 1.287e+04
pull1D
Entries 82
Mean −0.0001091
Std Dev 0.9041

asym_sam_13_57_dd_rms vs run

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 102.9 / 81
p0 13.08 ± 46.03
pull
Entries 82
Mean −118.9
Std Dev 166.3
pull1D
Entries 82
Mean 0.03949
Std Dev 1.119

dit_asym_sam_15_37_dd_rms vs run

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 67.63 / 81
p0 667.4 ± 274.9
pull
Entries 82
Mean −2219
Std Dev 2260

pull1D
Entries 82
Mean −0.0007132
Std Dev 0.9082

asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 7409 / 81
p0 243.1 ± 0.1944
280
270
260
250
240
230
220
210

asym_sam_15_37_dd_mean vs run
χ² / ndf 67.06 / 81
p0 −600.5 ± 280
pull
Entries 82
Mean −310.4
Std Dev 352.9
pull1D
Entries 82
Mean 0.004809
Std Dev 0.9043

asym_sam_15_37_dd_rms vs run

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 96.24 / 81
p0 −92.17 ± 87.75
pull
Entries 82
Mean −58.68
Std Dev 116.3
pull1D
Entries 82
Mean −0.01726
Std Dev 1.083

dit_asym_sam_24_68_dd_rms vs run

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 68.14 / 81
p0 −2126 ± 893.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 215.9
Std Dev 201.9
pull1D
Entries 82
Mean −0.002008
Std Dev 0.9116

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 7943 / 81
p0 790.2 ± 0.632
950
900
850
800
750
700

asym_sam_24_68_dd_mean vs run
χ² / ndf 69.44 / 81
p0 2043 ± 896.3
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −1458
Std Dev 1484
3
2
1
0
−1
−2

pull1D
Entries 82
Mean −0.0003379
Std Dev 0.9203
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_24_68_dd_rms vs run

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 78.91 / 81
p0 290.3 ± 94.54
pull
Entries 82
Mean −434.1
Std Dev 481
pull1D
Entries 82
Mean −0.008371
Std Dev 0.9809

dit_asym_sam_26_48_dd_rms vs run

asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 74.23 / 81
p0 251.5 ± 502.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −630.3
Std Dev 683.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.001611
Std Dev 0.9514
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_48_dd_correction_rms vs run

asym_sam_26_48_dd_mean vs run
χ² / ndf 78.08 / 81
p0 7.328 ± 490.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 8067
Std Dev 8016
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.0002361
Std Dev 0.9758
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_48_dd_rms vs run
χ² / ndf 3353 / 81
p0 434 ± 0.3466
500
480
460
440
420
400
380

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 76.56 / 81
p0 −334.3 ± 119.4
pull
Entries 82
Mean 2890
Std Dev 2841
pull1D
Entries 82
Mean −0.001188
Std Dev 0.9663

dit_asym_sam_1548_avg_rms vs run

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 75.9 / 81
p0 −691.9 ± 678.4
pull
Entries 82
Mean −268.2
Std Dev 325
pull1D
Entries 82
Mean −0.003339
Std Dev 0.9621

asym_sam_1548_avg_correction_rms vs run

asym_sam_1548_avg_mean vs run
χ² / ndf 78.84 / 81
p0 385 ± 671.9
pull
Entries 82
Mean −3048
Std Dev 3102
pull1D
Entries 82
Mean 0.0005228
Std Dev 0.9805

asym_sam_1548_avg_rms vs run

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 66.61 / 81
p0 −336.8 ± 111.7
pull
Entries 82
Mean 115.4
Std Dev 65.74
pull1D
Entries 82
Mean −0.01824
Std Dev 0.9011

dit_asym_sam_3748_avg_rms vs run

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 76.84 / 81
p0 −1281 ± 723.9
pull
Entries 82
Mean −76.17
Std Dev 140.7
pull1D
Entries 82
Mean −0.005693
Std Dev 0.968

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 5669 / 81
p0 640.4 ± 0.5119
750
700
650
600
550

asym_sam_3748_avg_mean vs run
χ² / ndf 78.39 / 81
p0 959.3 ± 728.6
pull
Entries 82
Mean −812.7
Std Dev 876.5
pull1D
Entries 82
Mean 0.0009857
Std Dev 0.9777

asym_sam_3748_avg_rms vs run
χ² / ndf 7950 / 81
p0 644.1 ± 0.5152
800
750
700
650
600
550

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 62.35 / 81
p0 −34.59 ± 63.48
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean 60.64
Std Dev 31.3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.02206
Std Dev 0.8717
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_1526_avg_rms vs run

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 76.65 / 81
p0 −441.5 ± 217.9
pull
Entries 82
Mean −67.95
Std Dev 134.2
pull1D
Entries 82
Mean −0.006772
Std Dev 0.9668

asym_sam_1526_avg_correction_rms vs run

asym_sam_1526_avg_mean vs run
χ² / ndf 79.39 / 81
p0 415.8 ± 230.5
pull
Entries 82
Mean 436.6
Std Dev 362
pull1D
Entries 82
Mean −0.002016
Std Dev 0.984

asym_sam_1526_avg_rms vs run
χ² / ndf 8653 / 81
p0 203.7 ± 0.163
240
230
220
210
200
190
180
170

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 70.78 / 81
p0 −26.54 ± 80.55
pull
Entries 82
Mean −18.54
Std Dev 62.62

pull1D
Entries 82
Mean −0.05021
Std Dev 0.9277

dit_asym_sam_3726_avg_rms vs run

asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 69.76 / 81
p0 −1062 ± 425.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 61.95
Std Dev 84.27
pull1D
Entries 82
Mean −0.004018
Std Dev 0.9223

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 7512 / 81
p0 375.8 ± 0.3006
460
440
420
400
380
360
340

asym_sam_3726_avg_mean vs run
χ² / ndf 72.21 / 81
p0 1039 ± 441.8
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −65.33
Std Dev 85.1
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.006219
Std Dev 0.9384
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3726_avg_rms vs run

dit_asym_sam_15_48_dd_mean vs run
χ2 / ndf 65.72 / 81
p0 185.1 ± 58.57
3000
2000
1000
0
−1000
pull
Entries 82
Mean 101.3
Std Dev 63.43
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.02029
Std Dev 0.895
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_48_dd_rms vs run

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 76.21 / 81
p0 768.8 ± 406
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −51.92
Std Dev 119.2
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.005768
Std Dev 0.964
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_48_dd_correction_rms vs run

asym_sam_15_48_dd_mean vs run
χ² / ndf 77.07 / 81
p0 −589.5 ± 408.4
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −442.6
Std Dev 506.1
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.001415
Std Dev 0.9695
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 8610 / 81
p0 361 ± 0.2888
440
420
400
380
360
340
320
300

dit_asym_sam_37_48_dd_mean vs run
χ2 / ndf 79.96 / 81
p0 176.6 ± 72.32
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −576.2
Std Dev 622.4
pull1D
Entries 82
Mean −0.007417
Std Dev 0.9875

dit_asym_sam_37_48_dd_rms vs run

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 73.63 / 81
p0 178.8 ± 382.8
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −696.1
Std Dev 749.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.001547
Std Dev 0.9476
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2680 / 81
p0 339 ± 0.2707
390
380
370
360
350
340
330
320
310
300

asym_sam_37_48_dd_mean vs run
χ² / ndf 77.69 / 81
p0 −26.87 ± 376.3
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 2777
Std Dev 2726
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.000742
Std Dev 0.9734
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_48_dd_rms vs run
χ² / ndf 3272 / 81
p0 333.1 ± 0.2661
380
370
360
350
340
330
320
310
300
290

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 86.86 / 81
p0 −96.61 ± 65.35
pull
Entries 82
Mean −141.8
Std Dev 190

pull1D
Entries 82
Mean 0.02847
Std Dev 1.029

dit_asym_sam_15_26_dd_rms vs run

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 66.74 / 81
p0 542.9 ± 318.5
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 3875
Std Dev 3832
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.0002464
Std Dev 0.9022
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_26_dd_correction_rms vs run

asym_sam_15_26_dd_mean vs run
χ² / ndf 70.48 / 81
p0 −624.2 ± 317
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −646.5
Std Dev 692.1
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.002905
Std Dev 0.9271
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_26_dd_rms vs run

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 61.52 / 81
p0 −113.5 ± 40.8
1000
500
0
−500
−1000
pull
Entries 82
Mean −152.6
Std Dev 204.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.005589
Std Dev 0.8662
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_37_26_dd_rms vs run

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 75.96 / 81
p0 −72.45 ± 121.1
pull
Entries 82
Mean −423.8
Std Dev 478.1

pull1D
Entries 82
Mean −0.001902
Std Dev 0.9625

asym_sam_37_26_dd_correction_rms vs run

asym_sam_37_26_dd_mean vs run
χ² / ndf 77.86 / 81
p0 −36.18 ± 118.5
pull
Entries 82
Mean −569.6
Std Dev 622.9
pull1D
Entries 82
Mean 0.002268
Std Dev 0.9744

asym_sam_37_26_dd_rms vs run

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 69.45 / 81
p0 −153.1 ± 59.71
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean 124.9
Std Dev 60.85
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.01458
Std Dev 0.9202
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_1357_avg_rms vs run

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 78.42 / 81
p0 −566 ± 330.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 34.08
Std Dev 91.15
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.003534
Std Dev 0.9779
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_correction_rms vs run

asym_sam_1357_avg_mean vs run
χ² / ndf 79.35 / 81
p0 369.2 ± 323.9
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −2069
Std Dev 2133
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0004849
Std Dev 0.9837
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_rms vs run

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 60.95 / 81
p0 −219.3 ± 106.3
pull
Entries 82
Mean 86.62
Std Dev 38.94
pull1D
Entries 82
Mean −0.02279
Std Dev 0.8619

dit_asym_sam_2468_avg_rms vs run

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 76.3 / 81
p0 −1210 ± 622.7
pull
Entries 82
Mean −57.79
Std Dev 124.6
pull1D
Entries 82
Mean −0.006147
Std Dev 0.9646

asym_sam_2468_avg_correction_rms vs run

asym_sam_2468_avg_mean vs run
χ² / ndf 77.9 / 81
p0 1004 ± 634.9
pull
Entries 82
Mean −3271
Std Dev 3338
pull1D
Entries 82
Mean 0.000219
Std Dev 0.9747

asym_sam_2468_avg_rms vs run
χ² / ndf 8596 / 81
p0 561.1 ± 0.4489
680
660
640
620
600
580
560
540
520
500
480

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 56.29 / 81
p0 35.79 ± 29.8
1500
1000
500
0
−500
pull
Entries 82
Mean 56.71
Std Dev 36.77
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.02484
Std Dev 0.8282
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_1357_2468_dd_rms vs run

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 74.59 / 81
p0 322.1 ± 158.8
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −95.86
Std Dev 152.7
2
1
0
−1
−2

pull1D
Entries 82
Mean 0.008479
Std Dev 0.9537
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_2468_dd_correction_rms vs run

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 74.69 / 81
p0 −318.6 ± 161.9
pull
Entries 82
Mean 942.7
Std Dev 864.4
pull1D
Entries 82
Mean 0.0004316
Std Dev 0.9544

asym_sam_1357_2468_dd_rms vs run

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 63.92 / 81
p0 −185.4 ± 80.94
pull
Entries 82
Mean 97.91
Std Dev 44.01
pull1D
Entries 82
Mean −0.02046
Std Dev 0.8827

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 3.635e+04 / 81
p0 70.9 ± 0.05723
120
110
100
90
80
70
60

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 77.03 / 81
p0 −888.4 ± 472.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −37.46
Std Dev 112.2
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.005222
Std Dev 0.9692
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_12345678_avg_correction_rms vs run

asym_sam_12345678_avg_mean vs run
χ² / ndf 78.6 / 81
p0 686.4 ± 477.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −2334
Std Dev 2400
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.0003499
Std Dev 0.9791
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_12345678_avg_rms vs run

dit_usl_4aX_slope vs run
χ^2 / ndf 4.884e−26 / 81
p0 −205.6 ± 0.643
−200
−202
−204
−206
−208
−210
−212
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
25
20
15
10
5
0

pull1D
Entries 82
Mean 2.44e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ² / ndf 1.804e−27 / 81
p0 166.3 ± 0.6691
172
170
168
166
164
162
160
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 82
Mean 4.691e−15
Std Dev 7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run
χ^2 / ndf 1.009e−23 / 81
p0 −37.53 ± 0.03355
−37.2
−37.3
−37.4
−37.5
−37.6
−37.7
−37.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 82
Mean 3.509e−13
Std Dev 1.976e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4aY_slope vs run
χ^2 / ndf 4.295e−28 / 81
p0 1.646 ± 0.03214
1.9
1.8
1.7
1.6
1.5
1.4
1.3
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−0.5
−1
−1.5
−2

pull1D
Entries 82
Mean −2.289e−15
Std Dev 1.45e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eY_slope vs run
χ^2 / ndf 1.992e−24 / 81
p0 16.76 ± 0.03272
17.1
17
16.9
16.8
16.7
16.6
16.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 82
Mean −1.559e−13
Std Dev3.388e−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

dit_usr_4eX_slope vs run

dit_usr_11X12X_slope vs run

dit_usr_4aY_slope vs run
χ^2 / ndf 3.308e−28 / 81
p0 3.163 ± 0.02442
3.4
3.3
3.2
3.1
3
2.9
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 82
Mean 2.008e−15
Std Dev 6.484e−23
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 1.12e−25 / 81
p0 9.335 ± 0.02654
9.6
9.5
9.4
9.3
9.2
9.1
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
35
30
25
20
15
10
5
0

pull1D
Entries 82
Mean 3.695e−14
Std Dev 1.585e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run
χ^2 / ndf 4.482e−26 / 81
p0 −95.36 ± 0.6041
−90
−92
−94
−96
−98
−100
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
24
22
20
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 82
Mean 2.338e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eX_slope vs run
χ^2 / ndf 8.449e−27 / 81
p0 139.8 ± 0.6184
146
144
142
140
138
136
134
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−2
−4
−6
−8
−10

pull1D
Entries 82
Mean −1.015e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_11X12X_slope vs run

dit_atl1_4aY_slope vs run
χ^2 / ndf 2.465e−26 / 81
p0 11.77 ± 0.05657
12.2
12
11.8
11.6
11.4
11.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 82
Mean 1.734e−14
Std Dev 9.23e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run

dit_atl2_4aX_slope vs run
χ^2 / ndf 4.189e−25 / 81
p0 −1543 ± 1.405
−1530
−1535
−1540
−1545
−1550
−1555
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
70
60
50
40
30
20
10
0

pull1D
Entries 82
Mean 7.148e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
χ^2 / ndf 2.433e−26 / 81
p0 1628 ± 1.458
1640
1635
1630
1625
1620
1615
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 82
Mean 1.723e−14
Std Dev 8.984e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ^2 / ndf 1.095e−23 / 81
p0 −233 ± 0.09446
pull
Entries 82
Mean 41
Std Dev 23.67

pull1D
Entries 82
Mean −3.655e−13
Std Dev1.515e−20

dit_atl2_4aY_slope vs run
χ^2 / ndf 1.628e−26 / 81
p0 6.423 ± 0.1323
pull
Entries 82
Mean 41
Std Dev 23.67

pull1D
Entries 82
Mean −1.409e−14
Std Dev4.235e−22

dit_atl2_4eY_slope vs run
χ^2 / ndf 6.474e−25 / 81
p0 98.13 ± 0.1236
99
98.5
98
97.5
97
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80
−90

pull1D
Entries 82
Mean −8.886e−14
Std Dev5.619e−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

dit_atr1_4eX_slope vs run
χ^2 / ndf 3.717e−26 / 81
p0 98.78 ± 1.253
110
105
100
95
90
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
22
20
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 82
Mean 2.129e−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_atr1_11X12X_slope vs run
χ² / ndf 3.781e−27 / 81
p0 −17.41 ± 0.05777
−16.8
−17
−17.2
−17.4
−17.6
−17.8
−18
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

pull1D
Entries 82
Mean −6.791e−15
Std Dev 3.512e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aY_slope vs run
χ^2 / ndf 9.8e−27 / 81
p0 15.82 ± 0.07177
16.4
16.2
16
15.8
15.6
15.4
15.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−2
−4
−6
−8
−10

pull1D
Entries 82
Mean −1.093e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
χ^2 / ndf 7.032e−26 / 81
p0 −27.2 ± 0.05359
−26.8
−27
−27.2
−27.4
−27.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 82
Mean −2.928e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aX_slope vs run
χ^2 / ndf 9.731e−24 / 81
p0 −1822 ± 1.458
−1810
−1815
−1820
−1825
−1830
−1835
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 82
Mean −3.445e−13
Std Dev 1.355e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run
χ^2 / ndf 4.479e−25 / 81
p0 2086 ± 1.359
2100
2095
2090
2085
2080
2075
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 82
Mean −7.39e−14
Std Dev 2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_11X12X_slope vs run
χ^2 / ndf 4.896e−23 / 81
p0 −257 ± 0.1056
−256
−256.5
−257
−257.5
−258
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

pull1D
Entries 82
Mean −7.727e−13
Std Dev 3.455e−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 1.052e−27 / 81
p0 6.839 ± 0.1369
pull
Entries 82
Mean 41
Std Dev 23.67

pull1D
Entries 82
Mean 3.582e−15
Std Dev 2.368e−22

dit_atr2_4eY_slope vs run
χ² / ndf 8.316e−25 / 81
p0 103.9 ± 0.1558
105.5
105
104.5
104
103.5
103
102.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 82
Mean 1.007e−13
Std Dev 4.792e−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

dit_sam1_4eX_slope vs run
χ^2 / ndf 2.419e−26 / 81
p0 −17.75 ± 0.1142
pull
Entries 82
Mean 41
Std Dev 23.67

pull1D
Entries 82
Mean −1.717e−14
Std Dev 3.668e−22

dit_sam1_11X12X_slope vs run
χ^2 / ndf 8.183e−27 / 81
p0 0.3076 ± 0.001227
0.32
0.315
0.31
0.305
0.3
0.295
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−2
−4
−6
−8
−10

pull1D
Entries 82
Mean −9.99e−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_sam1_4aY_slope vs run
χ^2 / ndf 2.368e−24 / 81
p0 −50.43 ± 0.004618
−50.38
−50.4
−50.42
−50.44
−50.46
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 82
Mean −1.699e−13
Std Dev 9.279e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run

dit_sam2_4aX_slope vs run
χ^2 / ndf 2.093e−28 / 81
p0 54.67 ± 1.474
70
65
60
55
50
45
40
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 82
Mean 1.597e−15
Std Dev 4.585e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eX_slope vs run
χ² / ndf 1.289e−25 / 81
p0 −217.7 ± 1.504
−205
−210
−215
−220
−225
−230
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 82
Mean −3.964e−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_sam2_11X12X_slope vs run

dit_sam2_4aY_slope vs run
χ^2 / ndf 1.056e−24 / 81
p0 8.647 ± 0.02593
8.9
8.8
8.7
8.6
8.5
8.4
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 82
Mean 1.135e−13
Std Dev2.396e−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

dit_sam3_4aX_slope vs run

dit_sam3_4eX_slope vs run
χ² / ndf 3.073e−27 / 81
p0 −57.78 ± 1.282
−45
−50
−55
−60
−65
−70
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
6
5
4
3
2
1
0

pull1D
Entries 82
Mean 6.122e−15
Std Dev 3.431e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_11X12X_slope vs run

dit_sam3_4aY_slope vs run
χ^2 / ndf 1.375e−24 / 81
p0 −6.876 ± 0.01742
−6.7
−6.75
−6.8
−6.85
−6.9
−6.95
−7
−7.05
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

pull1D
Entries 82
Mean −1.295e−13
Std Dev5.082e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eY_slope vs run

dit_sam4_4aX_slope vs run

dit_sam4_4eX_slope vs run
χ² / ndf 5.843e−26 / 81
p0 −208.7 ± 1.293
−195
−200
−205
−210
−215
−220
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25

pull1D
Entries 82
Mean −2.669e−14
Std Dev 7.336e−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

dit_sam4_4aY_slope vs run

dit_sam4_4eY_slope vs run
χ^2 / ndf 1.962e−25 / 81
p0 221.9 ± 0.1283
223
222.5
222
221.5
221
220.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
50
40
30
20
10
0

pull1D
Entries 82
Mean 4.891e−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_sam5_4aX_slope vs run
χ^2 / ndf 3.551e−27 / 81
p0 12.91 ± 0.1789
pull
Entries 82
Mean 41
Std Dev 23.67

pull1D
Entries 82
Mean 6.58e−15
Std Dev 3.087e−22

dit_sam5_4eX_slope vs run
χ^2 / ndf 3.786e−28 / 81
p0 −13.46 ± 0.1826
−11.5
−12
−12.5
−13
−13.5
−14
−14.5
−15
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−0.5
−1
−1.5
−2

pull1D
Entries 82
Mean −2.149e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_11X12X_slope vs run

dit_sam5_4aY_slope vs run
χ^2 / ndf 2.32e−24 / 81
p0 31.79 ± 0.01399
31.9
31.85
31.8
31.75
31.7
31.65
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 82
Mean −1.682e−13
Std Dev1.198e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run

dit_sam6_4aX_slope vs run

dit_sam6_4eX_slope vs run
χ^2 / ndf 2.402e−28 / 81
p0 8.078 ± 1.032
pull
Entries 82
Mean 41
Std Dev 23.67

pull1D
Entries 82
Mean 1.711e−15
Std Dev 1.198e−22

dit_sam6_11X12X_slope vs run
χ^2 / ndf 2.355e−26 / 81
p0 0.5316 ± 0.01013
pull
Entries 82
Mean 41
Std Dev 23.67

pull1D
Entries 82
Mean −1.695e−14
Std Dev1.037e−21

dit_sam6_4aY_slope vs run

dit_sam6_4eY_slope vs run
χ^2 / ndf 4.913e−26 / 81
p0 117 ± 0.06412
117.6
117.4
117.2
117
116.8
116.6
116.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−5
−10
−15
−20
−25

pull1D
Entries 82
Mean −2.448e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run

dit_sam7_4eX_slope vs run

dit_sam7_11X12X_slope vs run

dit_sam7_4aY_slope vs run

dit_sam7_4eY_slope vs run

dit_sam8_4aX_slope vs run

dit_sam8_4eX_slope vs run
χ^2 / ndf 6.297e−25 / 81
p0 −102.3 ± 0.3402
−99
−100
−101
−102
−103
−104
−105
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
90
80
70
60
50
40
30
20
10
0

pull1D
Entries 82
Mean 8.763e−14
Std Dev3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_11X12X_slope vs run
χ^2 / ndf 6.649e−28 / 81
p0 0.3737 ± 0.004306
0.42
0.41
0.4
0.39
0.38
0.37
0.36
0.35
0.34
0.33
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 82
Mean −2.848e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4aY_slope vs run
χ^2 / ndf 4.153e−22 / 81
p0 −47.7 ± 0.006973
−47.64
−47.66
−47.68
−47.7
−47.72
−47.74
−47.76
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 82
Mean 2.251e−12
Std Dev 9.773e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eY_slope vs run
χ^2 / ndf 3.294e−24 / 81
p0 53.7 ± 0.02349
53.9
53.8
53.7
53.6
53.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-12
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 82
Mean 2.004e−13
Std Dev 6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

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

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

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

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

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

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

pull
Entries 0
Mean 0
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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
1
0.8
0.6
0.4
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−4
−2
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2
4
6
8

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

pull1D
Entries 0
Mean 0
Std Dev 0
1
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pull
Entries 0
Mean 0
Std Dev 0
1
0.8
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0.4
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1

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.4
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8

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

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

dit_run_mean vs run
χ^2 / ndf 1763 / 80
p0 7233 ± 0.5215
7240
7238
7236
7234
7232
7230
7228
7226

pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_run_rms vs run
χ² / ndf 1763 / 80
p0 7233 ± 0.5215
7240
7238
7236
7234
7232
7230
7228
7226

dit_slug_slope vs run
χ^2 / ndf 6.624e−26 / 81
p0 172 ± 3.158e−15
173
172.8
172.6
172.4
172.2
172

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_cyclenum_mean vs run
χ^2 / ndf 1.509e+04 / 80
p0 8427 ± 1.526
8450
8440
8430
8420
8410

pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_cyclenum_rms vs run
χ² / ndf 1.509e+04 / 80
p0 8427 ± 1.526
8450
8440
8430
8420
8410

dit_scandata1_mean vs run
χ^2 / ndf 0 / 80
p0 0 ± 0.1111
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_scandata1_rms vs run

dit_scandata2_mean vs run
χ^2 / ndf 0 / 80
p0 0 ± 0.1111
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_scandata2_rms vs run

dit_flag_mean vs run
χ^2 / ndf 0 / 80
p0 1 ± 0.1111
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_flag_rms vs run

dit_segment_slope vs run
χ^2 / ndf 4.484e−27 / 81
p0 1.455 ± 0.01658
1.6
1.55
1.5
1.45
1.4
1.35
1.3
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−1
−2
−3
−4
−5
−6
−7

pull1D
Entries 82
Mean −7.395e−15
Std Dev 1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 16.66 / 81
p0 −4.301 ± 0.3801
pull
Entries 82
Mean 694.1
Std Dev 657.8

pull1D
Entries 82
Mean 0.006188
Std Dev 0.4506

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 21.01 / 81
p0 −52.51 ± 0.2951
−40
−45
−50
−55
−60
pull
Entries 82
Mean −74.81
Std Dev 116.5
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 82
Mean 0.0333
Std Dev 0.5051
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 15.53 / 81
p0 −9.844 ± 0.3883
pull
Entries 82
Mean 442.4
Std Dev 405.9

pull1D
Entries 82
Mean −0.009235
Std Dev 0.4351

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 20.16 / 81
p0 8.01 ± 0.3238
pull
Entries 82
Mean −120.2
Std Dev 160.2

pull1D
Entries 82
Mean −0.02315
Std Dev 0.4953

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 35.09 / 81
p0 0.5128 ± 0.01373
pull
Entries 82
Mean 171.7
Std Dev 126.5

pull1D
Entries 82
Mean 0.04641
Std Dev 0.6525

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 16.72 / 81
p0 −29.76 ± 1.949
pull
Entries 82
Mean 384.9
Std Dev 350.4

pull1D
Entries 82
Mean 0.01591
Std Dev 0.4512

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 53.55 / 81
p0 −25.34 ± 1.485
pull
Entries 82
Mean 33.71
Std Dev 21.31
pull1D
Entries 82
Mean −0.1454
Std Dev 0.7949

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 12.22 / 81
p0 −130 ± 1.992
pull
Entries 82
Mean 261.6
Std Dev 227.9

pull1D
Entries 82
Mean −0.01887
Std Dev 0.3855

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 52.03 / 81
p0 −136 ± 1.635
pull
Entries 82
Mean 39.08
Std Dev 25.83

pull1D
Entries 82
Mean 0.119
Std Dev 0.7876

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 12.22 / 81
p0 1.534 ± 0.07083
pull
Entries 82
Mean 290.5
Std Dev 248.7

pull1D
Entries 82
Mean 0.01961
Std Dev 0.3855

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 64.84 / 81
p0 −26.21 ± 0.6379
pull
Entries 82
Mean 416.3
Std Dev 380.4

pull1D
Entries 82
Mean 0.02155
Std Dev 0.8889

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 11.47 / 81
p0 −1.755 ± 0.4848
pull
Entries 82
Mean 5.157
Std Dev 33.9
pull1D
Entries 82
Mean −0.02473
Std Dev 0.3733

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 49.42 / 81
p0 −45.57 ± 0.6531
pull
Entries 82
Mean 153.8
Std Dev 118.9

pull1D
Entries 82
Mean −0.04133
Std Dev 0.7753

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 12.24 / 81
p0 22.18 ± 0.5339
pull
Entries 82
Mean 16.88
Std Dev 24.78

pull1D
Entries 82
Mean 0.02928
Std Dev 0.3853

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 2 / 81
p0 0.1437 ± 0.02332
pull
Entries 82
Mean −5.928e+04
Std Dev 5.933e+04

pull1D
Entries 82
Mean −1.508e−05
Std Dev 0.1562

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 89.78 / 81
p0 −42.36 ± 1.784
pull
Entries 82
Mean 4.608e+05
Std Dev 4.608e+05

pull1D
Entries 82
Mean 3.048e−05
Std Dev 1.046

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 32.25 / 81
p0 23.86 ± 1.367
pull
Entries 82
Mean −20.29
Std Dev 65.17

pull1D
Entries 82
Mean 0.06632
Std Dev 0.6236

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 75.7 / 81
p0 −104 ± 1.826
pull
Entries 82
Mean 959.3
Std Dev 919.9
pull1D
Entries 82
Mean −0.0136
Std Dev 0.9607

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 30.73 / 81
p0 171.7 ± 1.503
pull
Entries 82
Mean −67.44
Std Dev 112.9

pull1D
Entries 82
Mean −0.04513
Std Dev 0.6105

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 6.069 / 81
p0 −0.846 ± 0.06499
pull
Entries 82
Mean 421.8
Std Dev 379.7
pull1D
Entries 82
Mean −0.007324
Std Dev 0.272

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 18.46 / 81
p0 −3.033 ± 0.9988
pull
Entries 82
Mean 444.2
Std Dev 402.6

pull1D
Entries 82
Mean 0.01268
Std Dev 0.4743

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 21.99 / 81
p0 51.34 ± 0.77
pull
Entries 82
Mean −10.84
Std Dev 58.78

pull1D
Entries 82
Mean 0.05896
Std Dev 0.5144

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 17.1 / 81
p0 3.392 ± 1.02
pull
Entries 82
Mean 330.1
Std Dev 287.9

pull1D
Entries 82
Mean −0.01561
Std Dev 0.4563

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 17.04 / 81
p0 88.15 ± 0.8459
pull
Entries 82
Mean −92.46
Std Dev 139.4
pull1D
Entries 82
Mean −0.03202
Std Dev 0.4547

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 13.03 / 81
p0 −0.4278 ± 0.03615
pull
Entries 82
Mean 216.7
Std Dev 173.7

pull1D
Entries 82
Mean −0.02905
Std Dev 0.3976

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 2.623 / 81
p0 20.27 ± 1.205
pull
Entries 82
Mean 413
Std Dev 383.6

pull1D
Entries 82
Mean −0.002922
Std Dev 0.1788

reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 46.28 / 81
p0 38.25 ± 0.918
pull
Entries 82
Mean 32.24
Std Dev 23.04

pull1D
Entries 82
Mean 0.1349
Std Dev 0.7391

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 4.669 / 81
p0 62.42 ± 1.231
pull
Entries 82
Mean 273.5
Std Dev 245.2

pull1D
Entries 82
Mean 0.005841
Std Dev 0.2386

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 33.76 / 81
p0 82.21 ± 1.01
pull
Entries 82
Mean 24.64
Std Dev 31.47

pull1D
Entries 82
Mean −0.09639
Std Dev 0.6344

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 12.86 / 81
p0 −0.5081± 0.04374
pull
Entries 82
Mean 275.9
Std Dev 235.1

pull1D
Entries 82
Mean −0.02189
Std Dev 0.3954

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 170.2 / 81
p0 17.27 ± 0.2966
pull
Entries 82
Mean 1014
Std Dev 975.4

pull1D
Entries 82
Mean 0.0232
Std Dev 1.44

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 35.5 / 81
p0 8.967 ± 0.2256
pull
Entries 82
Mean −409.1
Std Dev 450
pull1D
Entries 82
Mean 0.02172
Std Dev 0.6576

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 152.7 / 81
p0 −48.52 ± 0.3034
pull
Entries 82
Mean 538.2
Std Dev 499.1
pull1D
Entries 82
Mean −0.04421
Std Dev 1.364

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 31.84 / 81
p0 −16.43 ± 0.2485
pull
Entries 82
Mean −941.6
Std Dev 982.6

pull1D
Entries 82
Mean −0.00814
Std Dev 0.6231

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 14.91 / 81
p0 0.3522 ± 0.01081
pull
Entries 82
Mean 228.6
Std Dev 222.2

pull1D
Entries 82
Mean −0.001865
Std Dev 0.4265

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 353.2 / 81
p0 8.251 ± 0.2631
pull
Entries 82
Mean −3939
Std Dev 3978

pull1D
Entries 82
Mean −0.00741
Std Dev 2.075

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 392.6 / 81
p0 −37.87 ± 0.2005
pull
Entries 82
Mean −11.34
Std Dev 54.14
pull1D
Entries 82
Mean 0.367
Std Dev 2.157

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 313.5 / 81
p0 −36.96 ± 0.2694
pull
Entries 82
Mean 1168
Std Dev 1128
pull1D
Entries 82
Mean −0.02385
Std Dev 1.955

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 350.1 / 81
p0 41.13 ± 0.2207
pull
Entries 82
Mean −21.89
Std Dev 65.52

pull1D
Entries 82
Mean −0.2948
Std Dev 2.045

reg_asym_sam8_diff_bpm12X_slope vs run
χ2 / ndf 16.19 / 81
p0 0.1692 ± 0.009617
pull
Entries 82
Mean 529.8
Std Dev 504.3

pull1D
Entries 82
Mean −0.002899
Std Dev 0.4443

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 35.01 / 81
p0 −67.9 ± 1.884
pull
Entries 82
Mean −2174
Std Dev 2222

pull1D
Entries 82
Mean 0.0007933
Std Dev 0.6535

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 35.79 / 81
p0 6.279 ± 1.444
pull
Entries 82
Mean −190.3
Std Dev 231.6
pull1D
Entries 82
Mean −0.01731
Std Dev 0.6604

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 36.9 / 81
p0 11.51 ± 1.927
pull
Entries 82
Mean −1.777e+04
Std Dev 1.781e+04

pull1D
Entries 82
Mean −0.0001853
Std Dev 0.6708

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 31.93 / 81
p0 13.83 ± 1.587
pull
Entries 82
Mean −105.4
Std Dev 148.6

pull1D
Entries 82
Mean 0.01795
Std Dev 0.6237

reg_asym_usl_diff_bpm12X_slope vs run

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 51.26 / 81
p0 −70.01 ± 1.986
pull
Entries 82
Mean 527.5
Std Dev 485.1
pull1D
Entries 82
Mean −0.01807
Std Dev 0.7904

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 41.42 / 81
p0 5.364 ± 1.519
pull
Entries 82
Mean 345.4
Std Dev 302.6

pull1D
Entries 82
Mean 0.01393
Std Dev 0.7106

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 55 / 81
p0 128.1 ± 2.03
pull
Entries 82
Mean 436.3
Std Dev 393.9

pull1D
Entries 82
Mean 0.02575
Std Dev 0.8186

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 41.85 / 81
p0 11.35 ± 1.671
pull
Entries 82
Mean 276.6
Std Dev 231.4

pull1D
Entries 82
Mean −0.015
Std Dev 0.7143

reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 44.29 / 81
p0 −37.44 ± 0.07214
pull
Entries 82
Mean 229.8
Std Dev 188.4
pull1D
Entries 82
Mean −0.03685
Std Dev 0.734

reg_asym_dsl_diff_bpm1X_slope vs run

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 85.25 / 81
p0 −0.08488 ± 0.08191
pull
Entries 82
Mean 381
Std Dev 341.4
pull1D
Entries 82
Mean −0.006976
Std Dev 1.02

reg_asym_dsl_diff_bpm4eX_slope vs run

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 85.53 / 81
p0 0.1019 ± 0.0899
pull
Entries 82
Mean −583.9
Std Dev 619.1
pull1D
Entries 82
Mean −0.00132
Std Dev 1.021

reg_asym_dsl_diff_bpm12X_slope vs run

reg_asym_dsr_diff_bpm1X_slope vs run

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 71.24 / 81
p0 −0.05785 ± 0.1119
pull
Entries 82
Mean 538
Std Dev 487.9
pull1D
Entries 82
Mean −0.001871
Std Dev 0.9321

reg_asym_dsr_diff_bpm4eX_slope vs run

reg_asym_dsr_diff_bpm4eY_slope vs run

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 73.34 / 81
p0 0.009793 ± 0.005251
pull
Entries 82
Mean 244.6
Std Dev 191.1

pull1D
Entries 82
Mean 0.009654
Std Dev 0.9457

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 30.59 / 81
p0 −69.01 ± 1.68
pull
Entries 82
Mean 778.5
Std Dev 735.3

pull1D
Entries 82
Mean −0.008377
Std Dev 0.6107

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.99 / 81
p0 5.812 ± 1.284
pull
Entries 82
Mean −5066
Std Dev 5108

pull1D
Entries 82
Mean −0.0009328
Std Dev 0.5738

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 34.41 / 81
p0 69.84 ± 1.717
pull
Entries 82
Mean 618.8
Std Dev 576

pull1D
Entries 82
Mean 0.01362
Std Dev 0.6477

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 25.2 / 81
p0 12.58 ± 1.413
pull
Entries 82
Mean −2179
Std Dev 2223

pull1D
Entries 82
Mean 0.001608
Std Dev 0.5543

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 56.95 / 81
p0 −37.36 ± 0.06107
pull
Entries 82
Mean 359.4
Std Dev 318.6

pull1D
Entries 82
Mean −0.03614
Std Dev 0.8326

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 82.56 / 81
p0 1.212 ± 0.962
pull
Entries 82
Mean 758.1
Std Dev 717.3
pull1D
Entries 82
Mean 0.01031
Std Dev 1.003

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 73.28 / 81
p0 0.4668 ± 0.7396
pull
Entries 82
Mean 62.48
Std Dev 15.58

pull1D
Entries 82
Mean −0.03268
Std Dev 0.9448

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 82.59 / 81
p0 −58.47 ± 0.9838
pull
Entries 82
Mean 497.6
Std Dev 456.4
pull1D
Entries 82
Mean −0.016
Std Dev 1.003

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 71.83 / 81
p0 1.231 ± 0.8123
pull
Entries 82
Mean 79.51
Std Dev 32.93

pull1D
Entries 82
Mean 0.03409
Std Dev 0.9353

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 84.29 / 81
p0 0.08316 ± 0.03496
pull
Entries 82
Mean −425.6
Std Dev 465.2

pull1D
Entries 82
Mean 0.01189
Std Dev 1.014

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 90.67 / 81
p0 0.002036 ± 0.08981
pull
Entries 82
Mean −49.65
Std Dev 108.2

pull1D
Entries 82
Mean −0.01008
Std Dev 1.051

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 78.32 / 81
p0 −0.07167 ± 0.06943
pull
Entries 82
Mean 404.7
Std Dev 362.2

pull1D
Entries 82
Mean −0.006003
Std Dev 0.9773

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.87 / 81
p0 −0.008555 ± 0.09177
pull
Entries 82
Mean −66.97
Std Dev 123.3

pull1D
Entries 82
Mean 0.008961
Std Dev 1.053

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.32 / 81
p0 0.06008 ± 0.0762
pull
Entries 82
Mean 1012
Std Dev 959.4

pull1D
Entries 82
Mean 0.001414
Std Dev 0.9391

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 86.79 / 81
p0 0.00177 ± 0.003251
pull
Entries 82
Mean −5300
Std Dev 5339

pull1D
Entries 82
Mean 0.0003093
Std Dev 1.029

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 89.75 / 81
p0 −0.004615 ± 0.0898
pull
Entries 82
Mean 250.5
Std Dev 203.2

pull1D
Entries 82
Mean 0.009918
Std Dev 1.046

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 75.24 / 81
p0 −0.01453 ± 0.06941
pull
Entries 82
Mean 501.9
Std Dev 474.5
pull1D
Entries 82
Mean −0.001443
Std Dev 0.9579

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 85.66 / 81
p0 0.02482 ± 0.09176
pull
Entries 82
Mean 265.8
Std Dev 216.5

pull1D
Entries 82
Mean −0.01064
Std Dev 1.022

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 75.56 / 81
p0 0.0409 ± 0.07617
pull
Entries 82
Mean 194.9
Std Dev 64.39
pull1D
Entries 82
Mean −0.00227
Std Dev 0.9599

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 79.99 / 81
p0 −0.008117 ± 0.003251
pull
Entries 82
Mean 395.1
Std Dev 347.1
pull1D
Entries 82
Mean −0.01355
Std Dev 0.9876

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 35.27 / 81
p0 −33.95 ± 0.9437
pull
Entries 82
Mean −1665
Std Dev 1713

pull1D
Entries 82
Mean 0.0009427
Std Dev 0.6558

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.97 / 81
p0 3.092 ± 0.7235
pull
Entries 82
Mean −183.1
Std Dev 224.6

pull1D
Entries 82
Mean −0.01725
Std Dev 0.6712

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.32 / 81
p0 5.767 ± 0.9653
pull
Entries 82
Mean −8754
Std Dev 8798

pull1D
Entries 82
Mean −0.0003559
Std Dev 0.6746

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 32.95 / 81
p0 6.971 ± 0.7951
pull
Entries 82
Mean −105.5
Std Dev 148.8
pull1D
Entries 82
Mean 0.01763
Std Dev 0.6336

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 86.68 / 81
p0 −18.64 ± 0.03434
−17.5
−18
−18.5
−19
−19.5
pull
Entries 82
Mean 679.8
Std Dev 639.2
3
2
1
0
−1
−2

pull1D
Entries 82
Mean −0.02105
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 35.04 / 81
p0 −33.95 ± 0.9432
pull
Entries 82
Mean −2991
Std Dev 3040

pull1D
Entries 82
Mean 0.0006263
Std Dev 0.6537

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.94 / 81
p0 3.187 ± 0.7231
pull
Entries 82
Mean −198.1
Std Dev 239.4
pull1D
Entries 82
Mean −0.01725
Std Dev 0.6525

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.75 / 81
p0 5.747 ± 0.9647
pull
Entries 82
Mean 1.454e+05
Std Dev 1.453e+05

pull1D
Entries 82
Mean 2.38e−05
Std Dev 0.6694

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 31.27 / 81
p0 6.864 ± 0.7947
pull
Entries 82
Mean −105.6
Std Dev 148.6

pull1D
Entries 82
Mean 0.01817
Std Dev 0.6172

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 85.08 / 81
p0 −18.64 ± 0.03432
pull
Entries 82
Mean 669
Std Dev 628.6
pull1D
Entries 82
Mean −0.02043
Std Dev 1.018

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 51.22 / 81
p0 −35 ± 0.9955
pull
Entries 82
Mean 502.7
Std Dev 460.3
pull1D
Entries 82
Mean −0.01907
Std Dev 0.7901

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.8 / 81
p0 2.653 ± 0.7615
pull
Entries 82
Mean 341.5
Std Dev 298.8
pull1D
Entries 82
Mean 0.01381
Std Dev 0.7139

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 55.06 / 81
p0 64.02 ± 1.017
pull
Entries 82
Mean 423.8
Std Dev 381.4

pull1D
Entries 82
Mean 0.02664
Std Dev 0.819

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.35 / 81
p0 5.687 ± 0.8375
pull
Entries 82
Mean 269.8
Std Dev 224.9
pull1D
Entries 82
Mean −0.01504
Std Dev 0.7185

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 45.64 / 81
p0 −18.72 ± 0.03615
pull
Entries 82
Mean 227.1
Std Dev 185.9

pull1D
Entries 82
Mean −0.03656
Std Dev 0.7451

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 51.76 / 81
p0 −35.01 ± 0.9963
pull
Entries 82
Mean 558.6
Std Dev 516.2

pull1D
Entries 82
Mean −0.01686
Std Dev 0.7943

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 41.36 / 81
p0 2.711 ± 0.7622
pull
Entries 82
Mean 348.3
Std Dev 305.4

pull1D
Entries 82
Mean 0.01402
Std Dev 0.7101

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 55.33 / 81
p0 64.06 ± 1.018
pull
Entries 82
Mean 451.6
Std Dev 409.2

pull1D
Entries 82
Mean 0.0246
Std Dev 0.8211

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 41.63 / 81
p0 5.663 ± 0.8382
pull
Entries 82
Mean 283
Std Dev 237.3

pull1D
Entries 82
Mean −0.01492
Std Dev 0.7123

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 43.27 / 81
p0 −18.73 ± 0.03618
pull
Entries 82
Mean 232.4
Std Dev 190.8

pull1D
Entries 82
Mean −0.03697
Std Dev 0.7254

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 61.66 / 81
p0 −3.648 ± 0.3333
pull
Entries 82
Mean 563.5
Std Dev 523.2

pull1D
Entries 82
Mean 0.01904
Std Dev 0.867

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.64 / 81
p0 −0.6462 ± 0.2558
pull
Entries 82
Mean −17.94
Std Dev 63.29
pull1D
Entries 82
Mean 0.113
Std Dev 0.9012

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.04 / 81
p0 −3.245 ± 0.3406
pull
Entries 82
Mean 389.2
Std Dev 348.4

pull1D
Entries 82
Mean −0.02541
Std Dev 0.8336

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.43 / 81
p0 48.13 ± 0.2812
pull
Entries 82
Mean −86.21
Std Dev 130.9
pull1D
Entries 82
Mean −0.06638
Std Dev 0.7735

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 11.68 / 81
p0 0.04295 ± 0.01209
pull
Entries 82
Mean 257.6
Std Dev 216.2
pull1D
Entries 82
Mean −0.01953
Std Dev 0.3769

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.478 / 81
p0 −0.6266 ± 0.6781
pull
Entries 82
Mean 360.3
Std Dev 316.4

pull1D
Entries 82
Mean −0.008274
Std Dev 0.3019

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.798 / 81
p0 −51.95 ± 0.524
pull
Entries 82
Mean 4.566
Std Dev 48.68

pull1D
Entries 82
Mean −0.03293
Std Dev 0.3441

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.969 / 81
p0 −6.626 ± 0.6928
pull
Entries 82
Mean 280.1
Std Dev 235.3

pull1D
Entries 82
Mean 0.009598
Std Dev 0.2914

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.091 / 81
p0 –40.05 ± 0.5754
pull
Entries 82
Mean –90.04
Std Dev 140.7
pull1D
Entries 82
Mean 0.0162
Std Dev 0.3326

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 16.81 / 81
p0 0.4704 ± 0.02452
pull
Entries 82
Mean 200.4
Std Dev 156.7

pull1D
Entries 82
Mean 0.03417
Std Dev 0.4515

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 92.17 / 81
p0 −4.436 ± 0.4549
pull
Entries 82
Mean 759.2
Std Dev 721.9

pull1D
Entries 82
Mean 0.01812
Std Dev 1.06

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.08 / 81
p0 3.584 ± 0.3456
pull
Entries 82
Mean 401.3
Std Dev 360.4

pull1D
Entries 82
Mean −0.007086
Std Dev 0.3993

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.43 / 81
p0 −47.09 ± 0.4657
pull
Entries 82
Mean 312.8
Std Dev 275.1

pull1D
Entries 82
Mean −0.0383
Std Dev 0.9325

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.71 / 81
p0 2.895 ± 0.3807
pull
Entries 82
Mean 179.4
Std Dev 138.9

pull1D
Entries 82
Mean 0.01518
Std Dev 0.4086

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.078 / 81
p0 0.2479 ± 0.01662
pull
Entries 82
Mean −1025
Std Dev 1076

pull1D
Entries 82
Mean −0.0004813
Std Dev 0.1937

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 38.04 / 81
p0 −21.81 ± 0.2015
pull
Entries 82
Mean −61.88
Std Dev 108.3
pull1D
Entries 82
Mean 0.03555
Std Dev 0.6802

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 28.78 / 81
p0 −5.334 ± 0.1534
pull
Entries 82
Mean −90.68
Std Dev 131
pull1D
Entries 82
Mean −0.0646
Std Dev 0.5889

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.42 / 81
p0 1.536 ± 0.2063
pull
Entries 82
Mean −130.4
Std Dev 172.7

pull1D
Entries 82
Mean −0.05041
Std Dev 0.7588

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.45 / 81
p0 19.28 ± 0.1689
pull
Entries 82
Mean −74.07
Std Dev 114.9
pull1D
Entries 82
Mean 0.06009
Std Dev 0.5539

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.35 / 81
p0 −0.1043 ± 0.007363
pull
Entries 82
Mean 973.2
Std Dev 936.5

pull1D
Entries 82
Mean 0.00181
Std Dev 0.3552

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 77.98 / 81
p0 −4.632 ± 0.3954
pull
Entries 82
Mean 645.9
Std Dev 611.4
pull1D
Entries 82
Mean 0.01924
Std Dev 0.975

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 68.38 / 81
p0 6.411 ± 0.3012
pull
Entries 82
Mean 35.11
Std Dev 20.14

pull1D
Entries 82
Mean −0.1455
Std Dev 0.9015

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.33 / 81
p0 −33.72 ± 0.4043
pull
Entries 82
Mean 224.7
Std Dev 189.4
pull1D
Entries 82
Mean −0.04412
Std Dev 0.7976

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 104.4 / 81
p0 −26.78 ± 0.332
pull
Entries 82
Mean 54.54
Std Dev 31.22

pull1D
Entries 82
Mean 0.1266
Std Dev 1.121

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 13.26 / 81
p0 0.5124 ± 0.01439
pull
Entries 82
Mean 270.7
Std Dev 227
pull1D
Entries 82
Mean 0.01846
Std Dev 0.4017

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 8.731 / 81
p0 −25.04 ± 1.572
pull
Entries 82
Mean 364
Std Dev 330
pull1D
Entries 82
Mean 0.01183
Std Dev 0.3261

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.39 / 81
p0 −31.78 ± 1.197
pull
Entries 82
Mean 33.23
Std Dev 21.85
pull1D
Entries 82
Mean −0.1424
Std Dev 0.7709

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.446 / 81
p0 −96.22 ± 1.606
pull
Entries 82
Mean 274.2
Std Dev 241.5

pull1D
Entries 82
Mean −0.01333
Std Dev 0.301

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.21 / 81
p0 −109.2 ± 1.318
pull
Entries 82
Mean 34.41
Std Dev 26.67

pull1D
Entries 82
Mean 0.112
Std Dev 0.7173

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 12.34 / 81
p0 1.021 ± 0.05708
pull
Entries 82
Mean 286.7
Std Dev 245.3

pull1D
Entries 82
Mean 0.02038
Std Dev 0.3874

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 122.8 / 81
p0 −17.02 ± 0.9807
pull
Entries 82
Mean −5948
Std Dev 5987
pull1D
Entries 82
Mean −0.00279
Std Dev 1.224

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.82 / 81
p0 −6.998 ± 0.7502
pull
Entries 82
Mean −16.27
Std Dev 60.34

pull1D
Entries 82
Mean 0.1091
Std Dev 0.8326

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 52.95 / 81
p0 106.4 ± 0.8249
pull
Entries 82
Mean −45.62
Std Dev 90.46

pull1D
Entries 82
Mean −0.07982
Std Dev 0.7996

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.241 / 81
p0 −0.3394 ± 0.03578
pull
Entries 82
Mean 548.3
Std Dev 507.6
pull1D
Entries 82
Mean −0.005381
Std Dev 0.2758

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 55.31 / 81
p0 −25.33 ± 0.8139
pull
Entries 82
Mean 3970
Std Dev 3930

pull1D
Entries 82
Mean 0.002712
Std Dev 0.8213

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.45 / 81
p0 30.82 ± 0.6258
pull
Entries 82
Mean −47.42
Std Dev 95.82

pull1D
Entries 82
Mean 0.0155
Std Dev 0.4048

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.78 / 81
p0 −33.5 ± 0.8329
pull
Entries 82
Mean 816.4
Std Dev 777
pull1D
Entries 82
Mean −0.01208
Std Dev 0.7471

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.79 / 81
p0 65.33 ± 0.6875
pull
Entries 82
Mean −487
Std Dev 534.1

pull1D
Entries 82
Mean −0.004503
Std Dev 0.4247

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 6.394 / 81
p0 −0.5061± 0.02961
pull
Entries 82
Mean 312.5
Std Dev 268.6
pull1D
Entries 82
Mean −0.01039
Std Dev 0.279

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 8.84 / 81
p0 −11.17 ± 0.3259
pull
Entries 82
Mean 803.1
Std Dev 757.5

pull1D
Entries 82
Mean −0.005076
Std Dev 0.3283

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.32 / 81
p0 −28.69 ± 0.2508
pull
Entries 82
Mean −44.04
Std Dev 89.94
pull1D
Entries 82
Mean −0.04489
Std Dev 0.4299

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.03 / 81
p0 −2.642 ± 0.3328
pull
Entries 82
Mean 533.7
Std Dev 489.1

pull1D
Entries 82
Mean 0.01021
Std Dev 0.3829

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.33 / 81
p0 −10.33 ± 0.2757
pull
Entries 82
Mean −123.8
Std Dev 170.6
pull1D
Entries 82
Mean 0.02606
Std Dev 0.4024

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 24.29 / 81
p0 0.1828 ± 0.01179
pull
Entries 82
Mean 207.8
Std Dev 164.7
pull1D
Entries 82
Mean 0.03723
Std Dev 0.543

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 22.41 / 81
p0 0.4631 ± 0.2613
pull
Entries 82
Mean 305.9
Std Dev 272

pull1D
Entries 82
Mean −0.01891
Std Dev 0.5224

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.64 / 81
p0 −2.142 ± 0.1985
pull
Entries 82
Mean 16.21
Std Dev 32.43

pull1D
Entries 82
Mean 0.08119
Std Dev 0.5072

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.8 / 81
p0 21.89 ± 0.267
pull
Entries 82
Mean 180.5
Std Dev 147.9

pull1D
Entries 82
Mean 0.02455
Std Dev 0.4652

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.78 / 81
p0 22.63 ± 0.2187
pull
Entries 82
Mean −21.22
Std Dev 67.71

pull1D
Entries 82
Mean −0.0571
Std Dev 0.4878

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.997 / 81
p0 −0.1027 ± 0.009501
pull
Entries 82
Mean 336.5
Std Dev 293.8

pull1D
Entries 82
Mean −0.0107
Std Dev 0.3121

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 33.09 / 81
p0 −25.32 ± 0.8357
pull
Entries 82
Mean 458.4
Std Dev 420.9

pull1D
Entries 82
Mean 0.02138
Std Dev 0.6349

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.13 / 81
p0 −0.3712 ± 0.6341
pull
Entries 82
Mean 37.93
Std Dev 17.32
pull1D
Entries 82
Mean −0.1291
Std Dev 0.6511

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 27.22 / 81
p0 −64.71 ± 0.8547
pull
Entries 82
Mean 310.5
Std Dev 273.1

pull1D
Entries 82
Mean −0.02818
Std Dev 0.5754

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.53 / 81
p0 −22.04 ± 0.6984
pull
Entries 82
Mean 44.97
Std Dev 21.61

pull1D
Entries 82
Mean 0.1073
Std Dev 0.6108

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 5.792 / 81
p0 0.2612 ± 0.03048
pull
Entries 82
Mean 474.7
Std Dev 434.7

pull1D
Entries 82
Mean 0.007724
Std Dev 0.2657

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 97.43 / 81
p0 6.355 ± 0.4569
pull
Entries 82
Mean 1583
Std Dev 1542

pull1D
Entries 82
Mean −0.008378
Std Dev 1.09

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 122.8 / 81
p0 6.628 ± 0.3508
pull
Entries 82
Mean 0.5584
Std Dev 45.35
pull1D
Entries 82
Mean −0.175
Std Dev 1.211

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.63 / 81
p0 18.2 ± 0.4673
pull
Entries 82
Mean 720.8
Std Dev 679.9

pull1D
Entries 82
Mean 0.01839
Std Dev 1.051

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 129 / 81
p0 −66.54 ± 0.3856
pull
Entries 82
Mean −7.56
Std Dev 55.92

pull1D
Entries 82
Mean 0.1384
Std Dev 1.247

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.73 / 81
p0 0.4239 ± 0.01661
pull
Entries 82
Mean 273.9
Std Dev 231.8

pull1D
Entries 82
Mean 0.0206
Std Dev 0.4374

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 115 / 81
p0 −10.33 ± 0.626
pull
Entries 82
Mean 5996
Std Dev 5957

pull1D
Entries 82
Mean 0.00264
Std Dev 1.184

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 65.65 / 81
p0 −3.826 ± 0.4797
pull
Entries 82
Mean −16.33
Std Dev 60.73

pull1D
Entries 82
Mean 0.1166
Std Dev 0.8872

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.38 / 81
p0 −36.88 ± 0.6406
pull
Entries 82
Mean 851.5
Std Dev 811.9

pull1D
Entries 82
Mean −0.01734
Std Dev 1.101

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.41 / 81
p0 77.28 ± 0.5273
pull
Entries 82
Mean −52.39
Std Dev 97.17

pull1D
Entries 82
Mean −0.08225
Std Dev 0.8253

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 7.74 / 81
p0 −0.1486 ± 0.0228
pull
Entries 82
Mean 423.4
Std Dev 382.5

pull1D
Entries 82
Mean −0.008533
Std Dev 0.3071

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 121.5 / 81
p0 −10.66 ± 0.6788
pull
Entries 82
Mean −1.055e+04
Std Dev 1.059e+04

pull1D
Entries 82
Mean −0.001549
Std Dev 1.217

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 38.73 / 81
p0 −1.735 ± 0.518
pull
Entries 82
Mean −27.94
Std Dev 71.36

pull1D
Entries 82
Mean 0.07777
Std Dev 0.6829

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 100 / 81
p0 −58.86 ± 0.6951
pull
Entries 82
Mean 846.3
Std Dev 807.4

pull1D
Entries 82
Mean −0.01773
Std Dev 1.104

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.3 / 81
p0 54.67 ± 0.5699
pull
Entries 82
Mean −64.74
Std Dev 108.9

pull1D
Entries 82
Mean −0.0538
Std Dev 0.6539

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.109 / 81
p0 −0.04646 ± 0.0248
pull
Entries 82
Mean 763
Std Dev 723.6
pull1D
Entries 82
Mean −0.002492
Std Dev 0.2238

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 151.8 / 81
p0 −4.04 ± 0.2147
pull
Entries 82
Mean 3085
Std Dev 3048

pull1D
Entries 82
Mean 0.006022
Std Dev 1.36

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.76 / 81
p0 2.85 ± 0.1639
pull
Entries 82
Mean 175.8
Std Dev 135.4

pull1D
Entries 82
Mean −0.03334
Std Dev 0.6312

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 113.1 / 81
p0 −18.59 ± 0.2198
pull
Entries 82
Mean 453.9
Std Dev 416.3

pull1D
Entries 82
Mean −0.03465
Std Dev 1.174

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.18 / 81
p0 10.71 ± 0.1803
pull
Entries 82
Mean 205.1
Std Dev 166.6

pull1D
Entries 82
Mean 0.04982
Std Dev 0.8481

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 7.238 / 81
p0 0.277 ± 0.007842
pull
Entries 82
Mean 151.3
Std Dev 97.55

pull1D
Entries 82
Mean 0.006097
Std Dev 0.297

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 84.84 / 81
p0 −4.563 ± 0.4119
pull
Entries 82
Mean 595.2
Std Dev 558.9

pull1D
Entries 82
Mean 0.0231
Std Dev 1.017

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 21.4 / 81
p0 5.022 ± 0.313
pull
Entries 82
Mean 55.07
Std Dev 22.4

pull1D
Entries 82
Mean −0.07392
Std Dev 0.5054

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.82 / 81
p0 −40.39 ± 0.4214
pull
Entries 82
Mean 255.5
Std Dev 218.7

pull1D
Entries 82
Mean −0.04498
Std Dev 0.8671

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 31.15 / 81
p0 −11.98 ± 0.345
pull
Entries 82
Mean 69.93
Std Dev 38.27

pull1D
Entries 82
Mean 0.07036
Std Dev 0.6123

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.696 / 81
p0 0.3809 ± 0.01503
pull
Entries 82
Mean 447.7
Std Dev 403.6

pull1D
Entries 82
Mean 0.00574
Std Dev 0.2392

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 121.2 / 81
p0 6.729 ± 0.3805
pull
Entries 82
Mean −2818
Std Dev 2857

pull1D
Entries 82
Mean 0.006029
Std Dev 1.216

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.78 / 81
p0 3.152 ± 0.2901
pull
Entries 82
Mean −17.66
Std Dev 61.22

pull1D
Entries 82
Mean −0.08681
Std Dev 0.7085

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 101.2 / 81
p0 33.59 ± 0.3897
pull
Entries 82
Mean 1209
Std Dev 1169

pull1D
Entries 82
Mean 0.01321
Std Dev 1.111

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.4 / 81
p0 −29.1 ± 0.3191
pull
Entries 82
Mean −36.31
Std Dev 81.48
pull1D
Entries 82
Mean 0.06677
Std Dev 0.7244

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.341 / 81
p0 0.1902 ± 0.01391
pull
Entries 82
Mean 739.6
Std Dev 699.5

pull1D
Entries 82
Mean 0.002391
Std Dev 0.2301

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 101.6 / 81
p0 6.454 ± 0.3507
pull
Entries 82
Mean 1625
Std Dev 1584

pull1D
Entries 82
Mean −0.00948
Std Dev 1.113

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 96.35 / 81
p0 5.218 ± 0.2692
pull
Entries 82
Mean −6.092
Std Dev 51.54
pull1D
Entries 82
Mean −0.1505
Std Dev 1.073

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 94.04 / 81
p0 11.54 ± 0.3587
pull
Entries 82
Mean 703.3
Std Dev 662.6

pull1D
Entries 82
Mean 0.02138
Std Dev 1.071

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.3 / 81
p0 −51.67 ± 0.2959
pull
Entries 82
Mean −32.93
Std Dev 79.04
pull1D
Entries 82
Mean 0.1124
Std Dev 1.043

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.67 / 81
p0 0.2914 ± 0.01274
pull
Entries 82
Mean 283.9
Std Dev 241.8

pull1D
Entries 82
Mean 0.01712
Std Dev 0.3769

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 24.38 / 81
p0 0.4792 ± 0.2958
pull
Entries 82
Mean −5620
Std Dev 5639

pull1D
Entries 82
Mean 0.000384
Std Dev 0.5453

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.91 / 81
p0 −3.502 ± 0.2261
pull
Entries 82
Mean 14.08
Std Dev 34.72

pull1D
Entries 82
Mean 0.1596
Std Dev 1.041

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.69 / 81
p0 15.3 ± 0.3021
pull
Entries 82
Mean 128.7
Std Dev 147

pull1D
Entries 82
Mean 0.004984
Std Dev 0.5023

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 97.86 / 81
p0 37.45 ± 0.249
pull
Entries 82
Mean 12.51
Std Dev 40.77

pull1D
Entries 82
Mean −0.1254
Std Dev 1.085

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 15.55 / 81
p0 −0.2333 ± 0.01072
pull
Entries 82
Mean 212.2
Std Dev 169.1

pull1D
Entries 82
Mean −0.03057
Std Dev 0.4343

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 94.64 / 81
p0 0.08564 ± 0.1104
pull
Entries 82
Mean 567.4
Std Dev 521.5

pull1D
Entries 82
Mean 0.0111
Std Dev 1.074

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 236.3 / 81
p0 −1.409 ± 0.08483
pull
Entries 82
Mean 13.01
Std Dev 34.28

pull1D
Entries 82
Mean 0.2442
Std Dev 1.68

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 86.83 / 81
p0 −6.659 ± 0.113
pull
Entries 82
Mean 620.1
Std Dev 577.6

pull1D
Entries 82
Mean −0.01176
Std Dev 1.029

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 327.4 / 81
p0 14.85 ± 0.09327
pull
Entries 82
Mean 33.56
Std Dev 29.42

pull1D
Entries 82
Mean −0.205
Std Dev 1.988

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 45.13 / 81
p0 −0.1326 ± 0.004018
pull
Entries 82
Mean 261.4
Std Dev 219.1

pull1D
Entries 82
Mean −0.03001
Std Dev 0.7413

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 123.1 / 81
p0 −3.932 ± 0.3018
pull
Entries 82
Mean 3659
Std Dev 3621

pull1D
Entries 82
Mean 0.004194
Std Dev 1.225

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.12 / 81
p0 1.416 ± 0.2306
pull
Entries 82
Mean −45.47
Std Dev 88.7

pull1D
Entries 82
Mean 0.06514
Std Dev 0.6605

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 100.1 / 81
p0 −25.28 ± 0.309
pull
Entries 82
Mean 588.9
Std Dev 550.4

pull1D
Entries 82
Mean −0.02315
Std Dev 1.104

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 29.24 / 81
p0 25.58 ± 0.2536
pull
Entries 82
Mean −130.2
Std Dev 173.3
pull1D
Entries 82
Mean −0.03664
Std Dev 0.5961

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 4.564 / 81
p0 0.1437 ± 0.01102
pull
Entries 82
Mean 825.6
Std Dev 786.9

pull1D
Entries 82
Mean −0.002471
Std Dev 0.2359

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 127.3 / 81
p0 −10.78 ± 0.5915
pull
Entries 82
Mean −1.629e+04
Std Dev 1.633e+04

pull1D
Entries 82
Mean −0.001087
Std Dev 1.246

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.32 / 81
p0 −0.2933 ± 0.4511
pull
Entries 82
Mean −71.44
Std Dev 114.1

pull1D
Entries 82
Mean 0.04383
Std Dev 0.5648

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.74 / 81
p0 39.78 ± 0.4963
pull
Entries 82
Mean −228
Std Dev 270.3

pull1D
Entries 82
Mean −0.0235
Std Dev 0.5375

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.286 / 81
p0 0.08708 ± 0.02161
pull
Entries 82
Mean −5714
Std Dev 5751
pull1D
Entries 82
Mean 0.0001432
Std Dev 0.167

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 1.757 / 81
p0 0.02825 ± 0.005514
pull
Entries 82
Mean 185.3
Std Dev 137.2
pull1D
Entries 82
Mean −0.002244
Std Dev 0.1464

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.38 / 81
p0 0.5597 ± 0.3393
pull
Entries 82
Mean −60
Std Dev 102.8
pull1D
Entries 82
Mean 0.05137
Std Dev 0.5964

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 54.22 / 81
p0 −13.18 ± 2.574
pull
Entries 82
Mean −1764
Std Dev 1823

pull1D
Entries 82
Mean 0.0004319
Std Dev 0.8132

reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 79.9 / 81
p0 8.543 ± 1.984
pull
Entries 82
Mean −69.74
Std Dev 106.7

pull1D
Entries 82
Mean −0.03565
Std Dev 0.9864

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 56.37 / 81
p0 49.87 ± 2.63
pull
Entries 82
Mean 1233
Std Dev 1179

pull1D
Entries 82
Mean 0.0009697
Std Dev 0.8291

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 78.33 / 81
p0 −15.41 ± 2.178
pull
Entries 82
Mean −45.49
Std Dev 79.35

pull1D
Entries 82
Mean 0.02977
Std Dev 0.9769

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 144.3 / 81
p0 −14.63 ± 0.09328
pull
Entries 82
Mean 479.1
Std Dev 444

pull1D
Entries 82
Mean −0.02063
Std Dev 1.327

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 16.08 / 81
p0 −432.6 ± 9.437
pull
Entries 82
Mean 904.9
Std Dev 867.4

pull1D
Entries 82
Mean −0.007303
Std Dev 0.4427

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 12.14 / 81
p0 28.99 ± 7.209
pull
Entries 82
Mean 906.8
Std Dev 866.2

pull1D
Entries 82
Mean 0.007249
Std Dev 0.3847

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 20.07 / 81
p0 385.1 ± 9.65
pull
Entries 82
Mean 737.5
Std Dev 699.1

pull1D
Entries 82
Mean 0.01142
Std Dev 0.4945

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 10.96 / 81
p0 92.24 ± 7.932
pull
Entries 82
Mean 944.8
Std Dev 903.9

pull1D
Entries 82
Mean −0.00634
Std Dev 0.3655

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 42.74 / 81
p0 −233.5 ± 0.3435
pull
Entries 82
Mean 555.3
Std Dev 515.3

pull1D
Entries 82
Mean −0.02176
Std Dev 0.7216

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 79.5 / 81
p0 −48.75 ± 3.009
pull
Entries 82
Mean −28.22
Std Dev 67.01
pull1D
Entries 82
Mean −0.004334
Std Dev 0.9846

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 82.78 / 81
p0 12.24 ± 2.323
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 104.5
Std Dev 73.12
2
1
0
−1
−2

pull1D
Entries 82
Mean −0.02089
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 82.21 / 81
p0 −8.02 ± 3.077
pull
Entries 82
Mean 267.8
Std Dev 208.3
pull1D
Entries 82
Mean 0.004993
Std Dev 1.001

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 85.45 / 81
p0 −18.61 ± 2.55
pull
Entries 82
Mean 231.8
Std Dev 199.7

pull1D
Entries 82
Mean 0.01474
Std Dev 1.021

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 104 / 81
p0 −17.01 ± 0.1092
pull
Entries 82
Mean 111.4
Std Dev 49.89

pull1D
Entries 82
Mean −0.01462
Std Dev 1.126

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 23.43 / 81
p0 −469.7 ± 10.6
pull
Entries 82
Mean 471.3
Std Dev 432.6
pull1D
Entries 82
Mean −0.01683
Std Dev 0.5343

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 16.36 / 81
p0 24.9 ± 8.083
pull
Entries 82
Mean 601.2
Std Dev 561.9

pull1D
Entries 82
Mean 0.01279
Std Dev 0.4465

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 27.47 / 81
p0 576 ± 10.83
800
700
600
500
400
pull
Entries 82
Mean 427.5
Std Dev 388.2
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 82
Mean 0.0228
Std Dev 0.5783
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 14.82 / 81
p0 107.9 ± 8.895
pull
Entries 82
Mean 685.4
Std Dev 645.4

pull1D
Entries 82
Mean −0.01006
Std Dev 0.425

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 35.33 / 81
p0 −257 ± 0.3854
pull
Entries 82
Mean 460.1
Std Dev 418.2

pull1D
Entries 82
Mean −0.0243
Std Dev 0.6559

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 18.06 / 81
p0 −222.6 ± 5.159
pull
Entries 82
Mean 682.6
Std Dev 644.3

pull1D
Entries 82
Mean −0.009192
Std Dev 0.4693

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 17.27 / 81
p0 18.63 ± 3.939
150
100
50
0
−50
−100
pull
Entries 82
Mean 9778
Std Dev 9738
1
0.5
0
−0.5
−1

pull1D
Entries 82
Mean 0.0006986
Std Dev 0.4589
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.22 / 81
p0 217.2 ± 5.274
pull
Entries 82
Mean 589
Std Dev 549.9
pull1D
Entries 82
Mean 0.01373
Std Dev 0.5203

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ2 / ndf 15.49 / 81
p0 38.52 ± 4.335
150
100
50
0
−50
pull
Entries 82
Mean 4548
Std Dev 4508
1
0.5
0
−0.5
−1

pull1D
Entries 82
Mean −0.001328
Std Dev 0.4346
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 60.16 / 81
p0 −124 ± 0.1876
pull
Entries 82
Mean 448.8
Std Dev 409.5

pull1D
Entries 82
Mean −0.03086
Std Dev 0.856

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 18.56 / 81
p0 209.6 ± 4.64
pull
Entries 82
Mean 861
Std Dev 824.4

pull1D
Entries 82
Mean 0.00745
Std Dev 0.4756

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.09 / 81
p0 −10.28 ± 3.548
pull
Entries 82
Mean 389.5
Std Dev 348.1
pull1D
Entries 82
Mean −0.0149
Std Dev 0.4427

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.02 / 81
p0 −167.5 ± 4.744
pull
Entries 82
Mean 740.1
Std Dev 702.5

pull1D
Entries 82
Mean −0.01094
Std Dev 0.5181

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.68 / 81
p0 −53.78 ± 3.903
pull
Entries 82
Mean 456.1
Std Dev 414.3

pull1D
Entries 82
Mean 0.01205
Std Dev 0.4371

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 37.11 / 81
p0 109.4 ± 0.1688
pull
Entries 82
Mean 580.8
Std Dev 539.4
pull1D
Entries 82
Mean 0.01614
Std Dev 0.6725

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 28.2 / 81
p0 −259.5 ± 5.739
−150
−200
−250
−300
−350
−400
pull
Entries 82
Mean 520.2
Std Dev 480.7
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 82
Mean −0.0137
Std Dev 0.5863
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 19.8 / 81
p0 18.92 ± 4.381
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 2807
Std Dev 2767
1
0.5
0
−0.5
−1

pull1D
Entries 82
Mean 0.00224
Std Dev 0.4914
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 32.9 / 81
p0 284.3 ± 5.866
pull
Entries 82
Mean 472.2
Std Dev 432.3

pull1D
Entries 82
Mean 0.01948
Std Dev 0.6331

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.79 / 81
p0 44.26 ± 4.82
pull
Entries 82
Mean 3985
Std Dev 3944

pull1D
Entries 82
Mean −0.001311
Std Dev 0.4658

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 44.61 / 81
p0 −137 ± 0.2087
pull
Entries 82
Mean 406.3
Std Dev 362.9

pull1D
Entries 82
Mean −0.02628
Std Dev 0.7371

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 27.31 / 81
p0 210.3 ± 5.273
pull
Entries 82
Mean 469.3
Std Dev 431.4

pull1D
Entries 82
Mean 0.01728
Std Dev 0.5768

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.8 / 81
p0 −6.022 ± 4.025
pull
Entries 82
Mean 375.3
Std Dev 336.4
pull1D
Entries 82
Mean −0.0229
Std Dev 0.5267

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.34 / 81
p0 −291.9 ± 5.389
pull
Entries 82
Mean 416.1
Std Dev 377.6

pull1D
Entries 82
Mean −0.02284
Std Dev 0.6079

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.52 / 81
p0 −63.6 ± 4.429
pull
Entries 82
Mean 440.8
Std Dev 401.6

pull1D
Entries 82
Mean 0.01853
Std Dev 0.5237

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 35.37 / 81
p0 120 ± 0.1917
124
122
120
118
116
114
pull
Entries 82
Mean 502.3
Std Dev 461.9
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 82
Mean 0.02178
Std Dev 0.6564
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
χ^2 / ndf 73.78 / 81
p0 −30.84 ± 2.004
pull
Entries 82
Mean 65.79
Std Dev 97.31
pull1D
Entries 82
Mean −0.004736
Std Dev 0.9485

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 87.74 / 81
p0 10.42 ± 1.545
pull
Entries 82
Mean −1.21
Std Dev 42.54

pull1D
Entries 82
Mean −0.03841
Std Dev 1.034

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 77.53 / 81
p0 20.83 ± 2.049
pull
Entries 82
Mean 282.7
Std Dev 224.6

pull1D
Entries 82
Mean 0.006108
Std Dev 0.9723

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 92.12 / 81
p0 −17.05 ± 1.697
pull
Entries 82
Mean 53.62
Std Dev 26.54
pull1D
Entries 82
Mean 0.03016
Std Dev 1.059

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 159.1 / 81
p0 −15.81 ± 0.07266
pull
Entries 82
Mean 236.8
Std Dev 194.6

pull1D
Entries 82
Mean −0.03179
Std Dev 1.393

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 62.98 / 81
p0 17.64 ± 1.966
pull
Entries 82
Mean −138
Std Dev 172.3

pull1D
Entries 82
Mean 0.005189
Std Dev 0.8763

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.99 / 81
p0 −1.864 ± 1.517
pull
Entries 82
Mean −487.3
Std Dev 522.5
pull1D
Entries 82
Mean −0.006798
Std Dev 0.9563

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.42 / 81
p0 29.08 ± 2.01
pull
Entries 82
Mean 26.61
Std Dev 48.76

pull1D
Entries 82
Mean −0.004323
Std Dev 0.8863

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 72.22 / 81
p0 1.615 ± 1.665
pull
Entries 82
Mean –519.7
Std Dev 552.7

pull1D
Entries 82
Mean 0.006905
Std Dev 0.9385

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 76.36 / 81
p0 1.17 ± 0.0713
pull
Entries 82
Mean −2556
Std Dev 2584

pull1D
Entries 82
Mean 0.002203
Std Dev 0.965

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 17.91 / 81
p0 −451.2 ± 9.846
pull
Entries 82
Mean 619.5
Std Dev 581.3

pull1D
Entries 82
Mean −0.01194
Std Dev 0.4672

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.65 / 81
p0 26.9 ± 7.511
pull
Entries 82
Mean 688.8
Std Dev 648.9

pull1D
Entries 82
Mean 0.01061
Std Dev 0.3926

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.06 / 81
p0 480.6 ± 10.06
pull
Entries 82
Mean 539.2
Std Dev 500.4

pull1D
Entries 82
Mean 0.01715
Std Dev 0.5183

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.35 / 81
p0 100.2 ± 8.266
pull
Entries 82
Mean 728
Std Dev 687.6

pull1D
Entries 82
Mean −0.009107
Std Dev 0.3719

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 38.11 / 81
p0 −245.2 ± 0.3582
pull
Entries 82
Mean 473.8
Std Dev 432.8

pull1D
Entries 82
Mean −0.02516
Std Dev 0.6813

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 73.67 / 81
p0 −19.46 ± 1.927
pull
Entries 82
Mean 918.6
Std Dev 876.6

pull1D
Entries 82
Mean −0.004732
Std Dev 0.9478

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.31 / 81
p0 −1.637 ± 1.485
pull
Entries 82
Mean 1581
Std Dev 1547
pull1D
Entries 82
Mean 0.002787
Std Dev 0.8787

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 73.46 / 81
p0 96.53 ± 1.97
pull
Entries 82
Mean 609
Std Dev 567.1

pull1D
Entries 82
Mean 0.007801
Std Dev 0.9464

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.2 / 81
p0 7.446 ± 1.631
pull
Entries 82
Mean −2573
Std Dev 2608

pull1D
Entries 82
Mean 0.001479
Std Dev 0.8639

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 55.54 / 81
p0 −11.76 ± 0.06992
pull
Entries 82
Mean 345.1
Std Dev 261.4

pull1D
Entries 82
Mean −0.003729
Std Dev 0.823

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 23.23 / 81
p0 −241.3 ± 5.738
pull
Entries 82
Mean 443
Std Dev 403.6

pull1D
Entries 82
Mean −0.0169
Std Dev 0.5319

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.26 / 81
p0 16.72 ± 4.375
pull
Entries 82
Mean 1493
Std Dev 1454
pull1D
Entries 82
Mean 0.005232
Std Dev 0.4587

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.39 / 81
p0 312.8 ± 5.863
pull
Entries 82
Mean 404.1
Std Dev 364.3
pull1D
Entries 82
Mean 0.02301
Std Dev 0.5775

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.2 / 81
p0 46.13 ± 4.815
150
100
50
0
−50
−100
pull
Entries 82
Mean 2133
Std Dev 2093
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 82
Mean −0.003189
Std Dev 0.4306
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 51.96 / 81
p0 −135.8 ± 0.2086
pull
Entries 82
Mean 385.6
Std Dev 344.8
pull1D
Entries 82
Mean −0.03342
Std Dev 0.7953

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ2 / ndf 26.91 / 81
p0 228.2 ± 5.183
pull
Entries 82
Mean 452.8
Std Dev 414.7

pull1D
Entries 82
Mean 0.01745
Std Dev 0.5726

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.91 / 81
p0 −8.305 ± 3.956
pull
Entries 82
Mean 369.3
Std Dev 329.6

pull1D
Entries 82
Mean −0.01929
Std Dev 0.5283

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 30.57 / 81
p0 −263 ± 5.297
pull
Entries 82
Mean 419.2
Std Dev 380.5
pull1D
Entries 82
Mean −0.02293
Std Dev 0.6101

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.06 / 81
p0 −61.59 ± 4.353
pull
Entries 82
Mean 424.1
Std Dev 383.6
pull1D
Entries 82
Mean 0.01559
Std Dev 0.5184

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 28.44 / 81
p0 121.2 ± 0.1884
pull
Entries 82
Mean 491.3
Std Dev 447.6
pull1D
Entries 82
Mean 0.01775
Std Dev 0.5886

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 22.85 / 81
p0 −241 ± 5.208
−150
−200
−250
−300
−350
pull
Entries 82
Mean 1177
Std Dev 1138
1
0.5
0
−0.5
−1

pull1D
Entries 82
Mean −0.004899
Std Dev 0.5279
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.5 / 81
p0 20.88 ± 3.982
pull
Entries 82
Mean −1748
Std Dev 1789

pull1D
Entries 82
Mean −0.002922
Std Dev 0.4348

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.62 / 81
p0 188.8 ± 5.326
pull
Entries 82
Mean 917.5
Std Dev 878.3
pull1D
Entries 82
Mean 0.008521
Std Dev 0.5803

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.12 / 81
p0 36.55 ± 4.38
pull
Entries 82
Mean −2631
Std Dev 2673

pull1D
Entries 82
Mean 0.00161
Std Dev 0.415

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 50.07 / 81
p0 −125.2 ± 0.1896
pull
Entries 82
Mean 479.9
Std Dev 438.2

pull1D
Entries 82
Mean −0.02358
Std Dev 0.7811

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ2 / ndf 21.32 / 81
p0 191.8 ± 4.689
pull
Entries 82
Mean 843.9
Std Dev 807.3
pull1D
Entries 82
Mean 0.00809
Std Dev 0.5099

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.33 / 81
p0 −8.101 ± 3.587
pull
Entries 82
Mean 418.1
Std Dev 378
pull1D
Entries 82
Mean −0.01809
Std Dev 0.5215

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.07 / 81
p0 −196.3 ± 4.794
−100
−150
−200
−250
−300
pull
Entries 82
Mean 665.9
Std Dev 628.4
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 82
Mean −0.01231
Std Dev 0.5417
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 22.29 / 81
p0 −55.71 ± 3.946
pull
Entries 82
Mean 493
Std Dev 453.2

pull1D
Entries 82
Mean 0.01495
Std Dev 0.5212

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 46.21 / 81
p0 108.2 ± 0.1706
pull
Entries 82
Mean 565.3
Std Dev 526.7

pull1D
Entries 82
Mean 0.02108
Std Dev 0.7504

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 20 / 81
p0 210 ± 4.757
pull
Entries 82
Mean 584.5
Std Dev 547.1

pull1D
Entries 82
Mean 0.01307
Std Dev 0.4937

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.34 / 81
p0 −8.128 ± 3.631
pull
Entries 82
Mean 378.5
Std Dev 338.6
pull1D
Entries 82
Mean −0.02015
Std Dev 0.4595

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.39 / 81
p0 −229.7 ± 4.863
pull
Entries 82
Mean 509
Std Dev 470.9

pull1D
Entries 82
Mean −0.01815
Std Dev 0.5338

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.19 / 81
p0 −58.77 ± 3.996
pull
Entries 82
Mean 427.3
Std Dev 387.1
pull1D
Entries 82
Mean 0.01703
Std Dev 0.4575

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 33.88 / 81
p0 114.7 ± 0.173
pull
Entries 82
Mean 506.8
Std Dev 466

pull1D
Entries 82
Mean 0.02113
Std Dev 0.6424

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.9 / 81
p0 −1.731 ± 1.101
pull
Entries 82
Mean −4206
Std Dev 4241

pull1D
Entries 82
Mean −0.001327
Std Dev 0.7801

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.49 / 81
p0 62.66 ± 1.461
pull
Entries 82
Mean 530.2
Std Dev 489.6

pull1D
Entries 82
Mean 0.006723
Std Dev 0.8729

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 63.49 / 81
p0 −5.294 ± 0.05186
pull
Entries 82
Mean 1831
Std Dev 1795

pull1D
Entries 82
Mean −0.002572
Std Dev 0.8799

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 20.12 / 81
p0 −241.1 ± 5.288
−150
−200
−250
−300
−350
pull
Entries 82
Mean 604.7
Std Dev 565.8
1.5
1
0.5
0
−0.5

pull1D
Entries 82
Mean −0.0114
Std Dev 0.4952
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.85 / 81
p0 250.8 ± 5.406
pull
Entries 82
Mean 536.4
Std Dev 496.9

pull1D
Entries 82
Mean 0.01659
Std Dev 0.5502

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.36 / 81
p0 41.38 ± 4.44
pull
Entries 82
Mean 4248
Std Dev 4207

pull1D
Entries 82
Mean −0.001368
Std Dev 0.3882

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 50.59 / 81
p0 −130.5 ± 0.1924
pull
Entries 82
Mean 411.8
Std Dev 370.5

pull1D
Entries 82
Mean −0.03074
Std Dev 0.7848

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.37 / 81
p0 −2.72 ± 1.132
pull
Entries 82
Mean 46.47
Std Dev 55.3

pull1D
Entries 82
Mean −0.003768
Std Dev 1.014

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 1071 / 81
p0 −16.55 ± 0.2003
pull
Entries 82
Mean −741.9
Std Dev 782.1

pull1D
Entries 82
Mean −0.09316
Std Dev 3.613

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 111.4 / 81
p0 2.103 ± 0.1553
pull
Entries 82
Mean −738.4
Std Dev 776.1

pull1D
Entries 82
Mean −0.0165
Std Dev 1.166

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 970.6 / 81
p0 16.59 ± 0.2048
pull
Entries 82
Mean −1617
Std Dev 1658

pull1D
Entries 82
Mean 0.04164
Std Dev 3.44

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 109.5 / 81
p0 −2.699 ± 0.1703
pull
Entries 82
Mean −1245
Std Dev 1282
pull1D
Entries 82
Mean 0.008461
Std Dev 1.156

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 118.7 / 81
p0 0.03567 ± 0.007259
pull
Entries 82
Mean −1314
Std Dev 1348
pull1D
Entries 82
Mean 0.009629
Std Dev 1.203

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1073 / 81
p0 −16.46 ± 0.1989
pull
Entries 82
Mean −744.7
Std Dev 784.9

pull1D
Entries 82
Mean −0.09289
Std Dev 3.616

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 110.9 / 81
p0 2.054 ± 0.1542
pull
Entries 82
Mean −644.5
Std Dev 682.5
pull1D
Entries 82
Mean −0.01903
Std Dev 1.163

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 972.2 / 81
p0 16.5 ± 0.2034
pull
Entries 82
Mean −1629
Std Dev 1670

pull1D
Entries 82
Mean 0.04138
Std Dev 3.443

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 108.3 / 81
p0 −2.637 ± 0.1692
pull
Entries 82
Mean −1010
Std Dev 1047
pull1D
Entries 82
Mean 0.01058
Std Dev 1.149

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ2 / ndf 119.3 / 81
p0 0.03799 ± 0.007209
pull
Entries 82
Mean −1061
Std Dev 1095
pull1D
Entries 82
Mean 0.01217
Std Dev 1.206

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1068 / 81
p0 −16.56 ± 0.1997
pull
Entries 82
Mean −789.3
Std Dev 829.4

pull1D
Entries 82
Mean −0.08765
Std Dev 3.607

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 110.9 / 81
p0 2.038 ± 0.1548
pull
Entries 82
Mean −707.3
Std Dev 745.3

pull1D
Entries 82
Mean −0.01729
Std Dev 1.163

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 968.4 / 81
p0 16.57 ± 0.2042
pull
Entries 82
Mean −1856
Std Dev 1897

pull1D
Entries 82
Mean 0.03633
Std Dev 3.436

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 108 / 81
p0 −2.635 ± 0.1698
pull
Entries 82
Mean −1152
Std Dev 1189

pull1D
Entries 82
Mean 0.009185
Std Dev 1.148

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ2 / ndf 118.7 / 81
p0 0.03865 ± 0.007236
pull
Entries 82
Mean −1343
Std Dev 1377
pull1D
Entries 82
Mean 0.009539
Std Dev 1.203

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1047 / 81
p0 −16.84 ± 0.2045
pull
Entries 82
Mean −799.8
Std Dev 840.2

pull1D
Entries 82
Mean −0.085
Std Dev 3.573

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 109.6 / 81
p0 2.194 ± 0.1585
pull
Entries 82
Mean −925.4
Std Dev 962.6

pull1D
Entries 82
Mean −0.01264
Std Dev 1.156

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 950.4 / 81
p0 16.85 ± 0.2091
pull
Entries 82
Mean −1899
Std Dev 1939

pull1D
Entries 82
Mean 0.03488
Std Dev 3.404

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 109.4 / 81
p0 −2.835 ± 0.1739
pull
Entries 82
Mean −1652
Std Dev 1688

pull1D
Entries 82
Mean 0.005929
Std Dev 1.155

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 174 / 81
p0 0.03452 ± 0.00741
pull
Entries 82
Mean −1.032e+04
Std Dev 1.035e+04
pull1D
Entries 82
Mean 0.001052
Std Dev 1.457

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1022 / 81
p0 −16.86 ± 0.2069
pull
Entries 82
Mean −840.5
Std Dev 880.8

pull1D
Entries 82
Mean −0.08101
Std Dev 3.529

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 132.5 / 81
p0 2.151 ± 0.1604
pull
Entries 82
Mean −609.1
Std Dev 645.8

pull1D
Entries 82
Mean −0.01793
Std Dev 1.271

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 925.3 / 81
p0 16.91 ± 0.2115
pull
Entries 82
Mean −2161
Std Dev 2201

pull1D
Entries 82
Mean 0.03065
Std Dev 3.359

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 143.6 / 81
p0 −2.811 ± 0.1759
pull
Entries 82
Mean −960.4
Std Dev 995.5
pull1D
Entries 82
Mean 0.00962
Std Dev 1.323

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 273.7 / 81
p0 0.03262 ± 0.007496
pull
Entries 82
Mean 499.8
Std Dev 466.5

pull1D
Entries 82
Mean −0.02204
Std Dev 1.827