dit_asym_us_avg_mean vs run
χ^2 / ndf 62.43 / 73
p0 −1634 ± 929.5
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 43.95
Std Dev 13.94
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.01663
Std Dev 0.9183
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_avg_rms vs run
χ² / ndf 1063 / 73
p0 814 ± 0.6573
880
860
840
820
800
780

asym_us_avg_correction_mean vs run
χ² / ndf 74.5 / 73
p0 1927 ± 1906
pull
Entries 74
Mean 124.9
Std Dev 47.76
pull1D
Entries 74
Mean 0.01627
Std Dev 1.003

asym_us_avg_correction_rms vs run
χ2 / ndf 1.068e+04 / 73
p0 1664 ± 1.348
2000
1900
1800
1700
1600
1500
1400

asym_us_avg_mean vs run
χ² / ndf 65.13 / 73
p0 −3589 ± 2083
pull
Entries 74
Mean 255.7
Std Dev 185.2
pull1D
Entries 74
Mean −0.005807
Std Dev 0.9381

asym_us_avg_rms vs run
χ2 / ndf 8098 / 73
p0 1820 ± 1.473
2100
2000
1900
1800
1700
1600

dit_asym_us_dd_mean vs run
χ² / ndf 67.81 / 73
p0 −84.23 ± 894.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean 202.5
Std Dev 153.6
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.0122
Std Dev 0.9572
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_dd_rms vs run
χ² / ndf 91.82 / 73
p0 784 ± 0.6328
805
800
795
790
785
780
775
770
765
760

asym_us_dd_correction_mean vs run
χ² / ndf 64.98 / 73
p0 3457 ± 2268
pull
Entries 74
Mean 235.3
Std Dev 97.37
pull1D
Entries 74
Mean 0.001815
Std Dev 0.9371

asym_us_dd_correction_rms vs run
χ² / ndf 5740 / 73
p0 1983 ± 1.603
2300
2200
2100
2000
1900
1800

asym_us_dd_mean vs run
χ² / ndf 101.7 / 73
p0 34.1 ± 1051
pull
Entries 74
Mean −1085
Std Dev 1130
pull1D
Entries 74
Mean 0.004302
Std Dev 1.172

asym_us_dd_rms vs run
χ² / ndf 311 / 73
p0 920.6 ± 0.7431
960
950
940
930
920
910
900
890
880

dit_asym_usl_mean vs run
χ² / ndf 56.14 / 73
p0 −1779 ± 1288
pull
Entries 74
Mean −133.6
Std Dev 181.4
pull1D
Entries 74
Mean 0.007255
Std Dev 0.8709

dit_asym_usl_rms vs run
χ² / ndf 169.4 / 73
p0 1128 ± 0.9107
1170
1160
1150
1140
1130
1120
1110
1100

asym_usl_correction_mean vs run
χ² / ndf 77.59 / 73
p0 1835 ± 1992
pull
Entries 74
Mean 474.3
Std Dev 419
pull1D
Entries 74
Mean 0.006807
Std Dev 1.024

asym_usl_correction_rms vs run
χ2 / ndf 8548 / 73
p0 1740 ± 1.408
2100
2000
1900
1800
1700
1600
1500

asym_usl_mean vs run
χ² / ndf 76.5 / 73
p0 −3663 ± 2351
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 74
Mean 4510
Std Dev 4456
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.0007092
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_rms vs run
χ^2 / ndf 5058 / 73
p0 2056 ± 1.662
2300
2200
2100
2000
1900
1800

dit_asym_usr_mean vs run
χ² / ndf 73.9 / 73
p0 −1499 ± 1293
pull
Entries 74
Mean 117.3
Std Dev 67.63
pull1D
Entries 74
Mean 0.018
Std Dev 0.9992

dit_asym_usr_rms vs run
χ² / ndf 797.3 / 73
p0 1133 ± 0.9143
1220
1200
1180
1160
1140
1120
1100
1080

asym_usr_correction_mean vs run
χ² / ndf 76.52 / 73
p0 1985 ± 1990
pull
Entries 74
Mean 25.02
Std Dev 48.13
pull1D
Entries 74
Mean 0.0259
Std Dev 1.017

asym_usr_correction_rms vs run
χ² / ndf 9949 / 73
p0 1738 ± 1.407
2100
2000
1900
1800
1700
1600
1500

asym_usr_mean vs run
χ² / ndf 69.37 / 73
p0 −3502 ± 2323
pull
Entries 74
Mean −61.05
Std Dev 80.25
pull1D
Entries 74
Mean −0.01091
Std Dev 0.9681

asym_usr_rms vs run
χ² / ndf 5585 / 73
p0 2032 ± 1.643
2300
2200
2100
2000
1900
1800

dit_asym_at1_avg_mean vs run
χ² / ndf 59.29 / 73
p0 −322.8 ± 2085
pull
Entries 74
Mean 68.51
Std Dev 10.24
pull1D
Entries 74
Mean 0.0305
Std Dev 0.8946

dit_asym_at1_avg_rms vs run
χ² / ndf 59.61 / 73
p0 1826 ± 1.474
1860
1850
1840
1830
1820
1810
1800
1790
1780

asym_at1_avg_correction_mean vs run
χ² / ndf 76.56 / 73
p0 649.2 ± 771.4
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 190.4
Std Dev 125.7
pull1D
Entries 74
Mean 0.01186
Std Dev 1.017

asym_at1_avg_correction_rms vs run
χ² / ndf 8129 / 73
p0 674 ± 0.5454
800
750
700
650
600

asym_at1_avg_mean vs run
χ² / ndf 66.24 / 73
p0 −1049 ± 2218
pull
Entries 74
Mean 48.72
Std Dev 10.58

pull1D
Entries 74
Mean 0.02611
Std Dev 0.9457

asym_at1_avg_rms vs run
χ² / ndf 301.6 / 73
p0 1943 ± 1.568
2040
2020
2000
1980
1960
1940
1920
1900
1880

dit_asym_at1_dd_mean vs run
χ² / ndf 74.05 / 73
p0 −1239 ± 2080
pull
Entries 74
Mean 86.76
Std Dev 47.75
pull1D
Entries 74
Mean −0.04526
Std Dev 0.9993

dit_asym_at1_dd_rms vs run
χ² / ndf 71.46 / 73
p0 1822 ± 1.471
1860
1840
1820
1800
1780

asym_at1_dd_correction_mean vs run
χ² / ndf 101.9 / 73
p0 170.6 ± 462
pull
Entries 74
Mean −118.5
Std Dev 159.9
pull1D
Entries 74
Mean 0.03409
Std Dev 1.173

asym_at1_dd_correction_rms vs run
χ² / ndf 3059 / 73
p0 404.4 ± 0.3267
460
440
420
400
380

asym_at1_dd_mean vs run
χ² / ndf 68.54 / 73
p0 −1436 ± 2130
pull
Entries 74
Mean 56.86
Std Dev 21.06
pull1D
Entries 74
Mean −0.05086
Std Dev 0.961

asym_at1_dd_rms vs run
χ² / ndf 71.37 / 73
p0 1866 ± 1.506
1900
1880
1860
1840
1820

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 77.17 / 73
p0 −3358 ± 2754
100
50
0
−50
−100
pull
Entries 74
Mean 120.7
Std Dev 98.89
2
1
0
−1
−2
−3

pull1D
Entries 74
Mean −0.00101
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at2_avg_rms vs run
χ2 / ndf 3.05e+04 / 73
p0 2388 ± 1.947
6000
5500
5000
4500
4000
3500
3000
2500
2000

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 74.43 / 73
p0 1.385e+04 ± 1.362e+04
pull
Entries 74
Mean 118.9
Std Dev 37.95

pull1D
Entries 74
Mean 0.01667
Std Dev 1.003

asym_at2_avg_correction_rms vs run

asym_at2_avg_mean vs run
×10^3
χ² / ndf 67.79 / 73
p0 −1.68e+04 ± 1.361e+04
pull
Entries 74
Mean 116
Std Dev 34.99

pull1D
Entries 74
Mean −0.01836
Std Dev 0.9569

asym_at2_avg_rms vs run
χ2 / ndf 1.076e+04 / 73
p0 1.188e+04 ± 9.622
14000
13000
12000
11000
10000

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 68.28 / 73
p0 −412.9 ± 2039
pull
Entries 74
Mean 42.07
Std Dev 54.17

pull1D
Entries 74
Mean −0.03387
Std Dev 0.96

dit_asym_at2_dd_rms vs run

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 68.82 / 73
p0 −1355 ± 4233
pull
Entries 74
Mean 81.64
Std Dev 45.29

pull1D
Entries 74
Mean −0.03138
Std Dev 0.9638

asym_at2_dd_correction_rms vs run
χ2 / ndf 8205 / 73
p0 3698 ± 2.993
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 71.56 / 73
p0 904.3 ± 2337
pull
Entries 74
Mean 120.8
Std Dev 45.39

pull1D
Entries 74
Mean 0.02884
Std Dev 0.9829

asym_at2_dd_rms vs run

dit_asym_atl_avg_mean vs run
χ^2 / ndf 75.6 / 73
p0 −2433 ± 2292
×10^3
pull
Entries 74
Mean 56.04
Std Dev 35.88

pull1D
Entries 74
Mean −0.02422
Std Dev 1.01

dit_asym_atl_avg_rms vs run
χ2 / ndf 1.353e+04 / 73
p0 1999 ± 1.621
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 74.58 / 73
p0 7683 ± 7655
pull
Entries 74
Mean 134.7
Std Dev 61.61

pull1D
Entries 74
Mean 0.01562
Std Dev 1.004

asym_atl_avg_correction_rms vs run
χ^2 / ndf 1.059e+04 / 73
p0 6683 ± 5.413
8000
7500
7000
6500
6000
5500

asym_atl_avg_mean vs run
×10^3
χ² / ndf 68.96 / 73
p0 −1.005e+04 ± 7842
pull
Entries 74
Mean 110.7
Std Dev 35.51

pull1D
Entries 74
Mean −0.02427
Std Dev 0.965

asym_atl_avg_rms vs run
χ2 / ndf 1.049e+04 / 73
p0 6847 ± 5.545
9500
9000
8500
8000
7500
7000
6500
6000
5500

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 71.91 / 73
p0 1009 ± 2212
pull
Entries 74
Mean −33.14
Std Dev 60.45

pull1D
Entries 74
Mean 0.008266
Std Dev 0.9858

dit_asym_atl_dd_rms vs run
χ² / ndf 1.14e+04 / 73
p0 1931 ± 1.564
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 74.78 / 73
p0 −6888 ± 6792
pull
Entries 74
Mean 173.2
Std Dev 108.1

pull1D
Entries 74
Mean −0.01372
Std Dev 1.005

asym_atl_dd_correction_rms vs run
χ2 / ndf 1.052e+04 / 73
p0 5930 ± 4.803
7000
6500
6000
5500
5000

asym_atl_dd_mean vs run
×10^3
χ² / ndf 69.73 / 73
p0 7385 ± 7031
pull
Entries 74
Mean 115.8
Std Dev 30.14

pull1D
Entries 74
Mean 0.02146
Std Dev 0.9705

asym_atl_dd_rms vs run
χ^2 / ndf 1.025e+04 / 73
p0 6139 ± 4.972
9000
8500
8000
7500
7000
6500
6000
5500
5000

dit_asym_atr_avg_mean vs run
χ² / ndf 57.4 / 73
p0 −640.1± 2320
pull
Entries 74
Mean 70.14
Std Dev 9.964

pull1D
Entries 74
Mean 0.04219
Std Dev 0.8797

dit_asym_atr_avg_rms vs run
χ² / ndf 4613 / 73
p0 2030 ± 1.641
2400
2300
2200
2100
2000
1900

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 74.59 / 73
p0 6812 ± 6726
pull
Entries 74
Mean 108.3
Std Dev 10.8

pull1D
Entries 74
Mean 0.01732
Std Dev 1.004

asym_atr_avg_correction_rms vs run
χ2 / ndf 1.07e+04 / 73
p0 5872 ± 4.756
7000
6500
6000
5500
5000

asym_atr_avg_mean vs run
×10^3
χ² / ndf 69.55 / 73
p0 −7756 ± 6968
pull
Entries 74
Mean −1088
Std Dev 1168

pull1D
Entries 74
Mean 0.0006567
Std Dev 0.9694

asym_atr_avg_rms vs run
χ² / ndf 9226 / 73
p0 6086 ± 4.927
7000
6500
6000
5500
5000

dit_asym_atr_dd_mean vs run
χ² / ndf 80.87 / 73
p0 1776 ± 2275
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 96.35
Std Dev 64.64
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.02263
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr_dd_rms vs run
χ² / ndf 3821 / 73
p0 1990 ± 1.609
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 74.36 / 73
p0 −6295 ± 6133
pull
Entries 74
Mean 72.18
Std Dev 51.14

pull1D
Entries 74
Mean −0.02056
Std Dev 1.002

asym_atr_dd_correction_rms vs run
χ2 / ndf 1.094e+04 / 73
p0 5354 ± 4.337
6500
6000
5500
5000
4500

asym_atr_dd_mean vs run
×10^3
χ² / ndf 61.12 / 73
p0 8074 ± 6402
pull
Entries 74
Mean 75.64
Std Dev 33.11

pull1D
Entries 74
Mean 0.02773
Std Dev 0.9084

asym_atr_dd_rms vs run
χ² / ndf 8878 / 73
p0 5592 ± 4.527
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 62.87 / 73
p0 −1660 ± 1773
pull
Entries 74
Mean 64.15
Std Dev 19.95
pull1D
Entries 74
Mean 0.012
Std Dev 0.9217

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.75e+04 / 73
p0 1545 ± 1.254
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ^2 / ndf 74.56 / 73
p0 7248 ± 7188
×10^3
pull
Entries 74
Mean 121.7
Std Dev 42.57

pull1D
Entries 74
Mean 0.01642
Std Dev 1.004

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 1.065e+04 / 73
p0 6276 ± 5.083
7500
7000
6500
6000
5500

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 69.3 / 73
p0 −9000 ± 7250
pull
Entries 74
Mean 149.2
Std Dev 74.55

pull1D
Entries 74
Mean −0.01224
Std Dev 0.9676

asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 1.037e+04 / 73
p0 6330 ± 5.127
7500
7000
6500
6000
5500

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 70.72 / 73
p0 −763.6 ± 1468
pull
Entries 74
Mean 64.67
Std Dev 22.83
pull1D
Entries 74
Mean −0.05788
Std Dev 0.9758

dit_asym_atl_avg_atr_avg_dd_rms vs run

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 78.46 / 73
p0 426.4 ± 500.5
pull
Entries 74
Mean 750.3
Std Dev 696.5
pull1D
Entries 74
Mean 0.004647
Std Dev 1.03

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 7706 / 73
p0 437.4 ± 0.3539
520
500
480
460
440
420
400
380

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 70.15 / 73
p0 −1159 ± 1550
pull
Entries 74
Mean 79.86
Std Dev 2.117
pull1D
Entries 74
Mean −0.05756
Std Dev 0.9719

asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 5455 / 73
p0 1355 ± 1.096
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.27 / 73
p0 1467 ± 1708
pull
Entries 74
Mean 62.13
Std Dev 33.88
pull1D
Entries 74
Mean 0.02024
Std Dev 1.035

dit_asym_atl_dd_atr_dd_avg_rms vs run

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 74.27 / 73
p0 −6599 ± 6431
pull
Entries 74
Mean 115.8
Std Dev 32.48

pull1D
Entries 74
Mean −0.01694
Std Dev 1.002

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ2 / ndf 1.09e+04 / 73
p0 5614 ± 4.547
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 65.76 / 73
p0 7812 ± 6522
pull
Entries 74
Mean 97.28
Std Dev 17.14

pull1D
Entries 74
Mean 0.02469
Std Dev 0.9424

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.024e+04 / 73
p0 5694 ± 4.611
7000
6500
6000
5500
5000

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 71.31 / 73
p0 −299 ± 1451
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 162.6
Std Dev 152.4
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.009323
Std Dev 0.9816
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 96.72 / 73
p0 −228.8 ± 711.9
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −319.8
Std Dev 366.5
pull1D
Entries 74
Mean 0.01555
Std Dev 1.143

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2826 / 73
p0 623.1 ± 0.5034
700
680
660
640
620
600
580
560

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 70.55 / 73
p0 −151 ± 1618
pull
Entries 74
Mean −62.77
Std Dev 134.7
pull1D
Entries 74
Mean −0.01341
Std Dev 0.9763

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 5257 / 73
p0 1415 ± 1.144
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

dit_asym_atl1_mean vs run
χ^2 / ndf 66.62 / 73
p0 −1551 ± 2748
×10^3
pull
Entries 74
Mean 121.4
Std Dev 93.7

pull1D
Entries 74
Mean −0.01146
Std Dev 0.9488

dit_asym_atl1_rms vs run

asym_atl1_correction_mean vs run
χ² / ndf 79.95 / 73
p0 803.8 ± 964.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean −3.695
Std Dev 12.58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.02747
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl1_correction_rms vs run
χ² / ndf 7401 / 73
p0 842.9 ± 0.682
1000
950
900
850
800
750

asym_atl1_mean vs run
×10^3
χ² / ndf 64.58 / 73
p0 −2486 ± 2902
pull
Entries 74
Mean 63.98
Std Dev 29.71

pull1D
Entries 74
Mean −0.01771
Std Dev 0.934

asym_atl1_rms vs run
χ² / ndf 267.2 / 73
p0 2542 ± 2.052
2650
2600
2550
2500
2450

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 77.61 / 73
p0 −3609 ± 3542
pull
Entries 74
Mean 26.04
Std Dev 62.46

pull1D
Entries 74
Mean −0.01664
Std Dev 1.024

dit_asym_atl2_rms vs run
χ2 / ndf 2.022e+04 / 73
p0 3083 ± 2.505
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 74.64 / 73
p0 1.457e+04 ± 1.444e+04
pull
Entries 74
Mean 151.6
Std Dev 83.06

pull1D
Entries 74
Mean 0.01473
Std Dev 1.004

asym_atl2_correction_rms vs run

asym_atl2_mean vs run
×10^3
χ² / ndf 69.56 / 73
p0 −1.738e+04 ± 1.46e+04
pull
Entries 74
Mean 113.1
Std Dev 33.69

pull1D
Entries 74
Mean −0.02346
Std Dev 0.9692

asym_atl2_rms vs run
χ2 / ndf 1.106e+04 / 73
p0 1.275e+04 ± 10.33
18000
17000
16000
15000
14000
13000
12000
11000

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 67 / 73
p0 944.9 ± 3129
pull
Entries 74
Mean 79.7
Std Dev 35.51

pull1D
Entries 74
Mean 0.04985
Std Dev 0.9502

dit_asym_atr1_rms vs run
χ² / ndf 59.37 / 73
p0 2741 ± 2.213
2800
2780
2760
2740
2720
2700
2680

asym_atr1_correction_mean vs run
χ² / ndf 86.92 / 73
p0 457.7 ± 831.6
pull
Entries 74
Mean −782.6
Std Dev 832.2
pull1D
Entries 74
Mean −0.005451
Std Dev 1.084

asym_atr1_correction_rms vs run
χ² / ndf 3500 / 73
p0 727.7 ± 0.588
820
800
780
760
740
720
700
680
660

asym_atr1_mean vs run
×10^3
χ² / ndf 69.88 / 73
p0 427.9 ± 3239
pull
Entries 74
Mean 54.46
Std Dev 18.34

pull1D
Entries 74
Mean 0.05045
Std Dev 0.9704

asym_atr1_rms vs run
χ² / ndf 92.59 / 73
p0 2837 ± 2.29
2920
2900
2880
2860
2840
2820
2800
2780
2760

dit_asym_atr2_mean vs run
χ^2 / ndf 68.53 / 73
p0 −2657 ± 3340
×10^3
pull
Entries 74
Mean 32.24
Std Dev 54.56

pull1D
Entries 74
Mean 0.01514
Std Dev 0.9622

dit_asym_atr2_rms vs run
χ² / ndf 1.278e+04 / 73
p0 2914 ± 2.362
3800
3600
3400
3200
3000
2800
2600

asym_atr2_correction_mean vs run

asym_atr2_correction_rms vs run
χ2 / ndf 1.085e+04 / 73
p0 1.121e+04 ± 9.083
13500
13000
12500
12000
11500
11000
10500
10000
9500

asym_atr2_mean vs run
×10^3
χ² / ndf 65.34 / 73
p0 −1.581e+04 ± 1.298e+04
pull
Entries 74
Mean 107.7
Std Dev 15.7

pull1D
Entries 74
Mean −0.0133
Std Dev 0.9395

asym_atr2_rms vs run
χ2 / ndf 1.01e+04 / 73
p0 1.133e+04 ± 9.175
13500
13000
12500
12000
11500
11000
10500
10000
9500

dit_asym_sam1_mean vs run
χ² / ndf 80.46 / 73
p0 122.8 ± 92.88
pull
Entries 74
Mean −606.6
Std Dev 659.9

pull1D
Entries 74
Mean 0.003812
Std Dev 1.043

dit_asym_sam1_rms vs run
χ² / ndf 2058 / 73
p0 81.32 ± 0.06568
90
88
86
84
82
80
78
76

asym_sam1_correction_mean vs run
χ² / ndf 65.44 / 73
p0 −422.2 ± 375.6
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 54.92
Std Dev 5.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.04255
Std Dev 0.9394
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_correction_rms vs run
χ² / ndf 3429 / 73
p0 328.7 ± 0.2656
380
370
360
350
340
330
320
310
300

asym_sam1_mean vs run
χ² / ndf 69.79 / 73
p0 558.8 ± 370.4
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 41.39
Std Dev 12.15
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.04171
Std Dev 0.9702
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_rms vs run
χ² / ndf 3837 / 73
p0 324.1 ± 0.2619
370
360
350
340
330
320
310
300
290

dit_asym_sam2_mean vs run
χ² / ndf 72.41 / 73
p0 −427 ± 377.6
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −24.39
Std Dev 95.24
pull1D
Entries 74
Mean 0.01539
Std Dev 0.9891

dit_asym_sam2_rms vs run
χ² / ndf 2578 / 73
p0 330.5 ± 0.267
370
360
350
340
330
320
310

asym_sam2_correction_mean vs run
χ² / ndf 75.35 / 73
p0 −2375 ± 2450
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 74
Mean −28.55
Std Dev 66.06
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.04136
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam2_correction_rms vs run
χ2 / ndf 3541 / 73
p0 2144 ± 1.733
2400
2300
2200
2100
2000
1900

asym_sam2_mean vs run
χ² / ndf 75.83 / 73
p0 2019 ± 2422
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 74
Mean −31.28
Std Dev 71.02
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.04268
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam2_rms vs run
χ² / ndf 3970 / 73
p0 2119 ± 1.713
2400
2300
2200
2100
2000
1900

dit_asym_sam3_mean vs run
χ² / ndf 56.77 / 73
p0 −282.1 ± 122.3
4000
2000
0
−2000
−4000
pull
Entries 74
Mean 446
Std Dev 410.2
2
1
0
−1
−2

pull1D
Entries 74
Mean −0.001133
Std Dev 0.8759
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam3_rms vs run
χ^2 / ndf 7.386e+04 / 73
p0 104.6 ± 0.08651
220
200
180
160
140
120
100
80

asym_sam3_correction_mean vs run
χ² / ndf 105.1 / 73
p0 −3.418 ± 1061
pull
Entries 74
Mean −193.8
Std Dev 237.5
pull1D
Entries 74
Mean −0.02554
Std Dev 1.191

asym_sam3_correction_rms vs run
χ² / ndf 3588 / 73
p0 928.5 ± 0.7503
1050
1000
950
900
850

asym_sam3_mean vs run
χ² / ndf 103.3 / 73
p0 −158.2 ± 1085
pull
Entries 74
Mean −290.3
Std Dev 334.1
pull1D
Entries 74
Mean 0.01805
Std Dev 1.182

asym_sam3_rms vs run
χ² / ndf 6741 / 73
p0 948.4 ± 0.7672
1150
1100
1050
1000
950
900
850

dit_asym_sam4_mean vs run
χ² / ndf 62.78 / 73
p0 −814.4 ± 415.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −694
Std Dev 675.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.0008126
Std Dev 0.9211
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam4_rms vs run
χ² / ndf 7.771e+04 / 73
p0 354.6 ± 0.2938
700
650
600
550
500
450
400
350
300
250

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 88.3 / 73
p0 1911 ± 2691
pull
Entries 74
Mean −1276
Std Dev 1322

pull1D
Entries 74
Mean −0.004048
Std Dev 1.092

asym_sam4_correction_rms vs run
χ² / ndf 2954 / 73
p0 2356 ± 1.903
2700
2600
2500
2400
2300
2200
2100

asym_sam4_mean vs run
×10^3
χ² / ndf 86.38 / 73
p0 −2529 ± 2716
pull
Entries 74
Mean 3269
Std Dev 3224

pull1D
Entries 74
Mean −0.001669
Std Dev 1.08

asym_sam4_rms vs run
χ² / ndf 4575 / 73
p0 2376 ± 1.921
2800
2700
2600
2500
2400
2300
2200
2100

dit_asym_sam5_mean vs run
χ^2 / ndf 71.93 / 73
p0 −258.7 ± 203.8
pull
Entries 74
Mean −566.4
Std Dev 787.8

pull1D
Entries 74
Mean −0.0004699
Std Dev 0.9859

dit_asym_sam5_rms vs run
χ² / ndf 5786 / 73
p0 178.2 ± 0.1441
220
210
200
190
180
170
160

asym_sam5_correction_mean vs run
χ² / ndf 61.85 / 73
p0 1532 ± 1237
pull
Entries 74
Mean 125
Std Dev 73.74
pull1D
Entries 74
Mean 0.02348
Std Dev 0.9139

asym_sam5_correction_rms vs run
χ² / ndf 3778 / 73
p0 1082 ± 0.8745
1250
1200
1150
1100
1050
1000
950

asym_sam5_mean vs run
χ² / ndf 61.92 / 73
p0 −1755 ± 1233
pull
Entries 74
Mean 113.6
Std Dev 66.87
pull1D
Entries 74
Mean −0.02589
Std Dev 0.9144

asym_sam5_rms vs run
χ² / ndf 4333 / 73
p0 1079 ± 0.8721
1250
1200
1150
1100
1050
1000
950

dit_asym_sam6_mean vs run
χ² / ndf 63.82 / 73
p0 −445.2 ± 195.5
pull
Entries 74
Mean 87.45
Std Dev 132.3
pull1D
Entries 74
Mean −0.006723
Std Dev 0.9286

dit_asym_sam6_rms vs run
χ² / ndf 6290 / 73
p0 170.9 ± 0.1382
200
190
180
170
160

asym_sam6_correction_mean vs run
χ² / ndf 66.28 / 73
p0 1147 ± 1139
pull
Entries 74
Mean 2.08
Std Dev 31.2
pull1D
Entries 74
Mean 0.03948
Std Dev 0.9456

asym_sam6_correction_rms vs run
χ² / ndf 3227 / 73
p0 996.5 ± 0.8052
1100
1050
1000
950
900

asym_sam6_mean vs run
χ² / ndf 67.4 / 73
p0 −1549 ± 1134
pull
Entries 74
Mean 7.05
Std Dev 32.09
pull1D
Entries 74
Mean −0.04372
Std Dev 0.9534

asym_sam6_rms vs run
χ² / ndf 3496 / 73
p0 992.6 ± 0.802
1100
1050
1000
950
900

dit_asym_sam7_mean vs run
χ² / ndf 65.93 / 73
p0 −142.9 ± 111.3
4000
2000
0
−2000
−4000
pull
Entries 74
Mean 29.76
Std Dev 12.65
2
1
0
−1
−2
−3

pull1D
Entries 74
Mean −0.02023
Std Dev 0.9437
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam7_rms vs run
χ² / ndf 7.393e+04 / 73
p0 95.15 ± 0.07872
180
160
140
120
100
80

asym_sam7_correction_mean vs run
χ² / ndf 101.1 / 73
p0 −306.8 ± 398.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −136
Std Dev 177.4
3
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.02788
Std Dev 1.168
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam7_correction_rms vs run
χ^2 / ndf 4159 / 73
p0 348.5 ± 0.2817
400
380
360
340
320

asym_sam7_mean vs run
χ² / ndf 96.74 / 73
p0 99.23 ± 387.9
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −131.8
Std Dev 172.9
pull1D
Entries 74
Mean 0.03
Std Dev 1.143

asym_sam7_rms vs run
χ2 / ndf 3939 / 73
p0 339.4 ± 0.2743
390
380
370
360
350
340
330
320
310
300

dit_asym_sam8_mean vs run
χ^2 / ndf 72.23 / 73
p0 215 ± 100.2
pull
Entries 74
Mean 54.94
Std Dev 14.6

pull1D
Entries 74
Mean −0.05528
Std Dev 0.9864

dit_asym_sam8_rms vs run
χ2 / ndf 1.129e+05 / 73
p0 84.48 ± 0.07084
180
160
140
120
100
80
60

asym_sam8_correction_mean vs run
χ² / ndf 106.9 / 73
p0 −125.1 ± 306.5
pull
Entries 74
Mean −131.7
Std Dev 180
pull1D
Entries 74
Mean −0.02614
Std Dev 1.202

asym_sam8_correction_rms vs run
χ² / ndf 6755 / 73
p0 267.9 ± 0.2167
320
300
280
260
240

asym_sam8_mean vs run
χ² / ndf 106.9 / 73
p0 217.7 ± 294.5
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −174.2
Std Dev 221.2
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.02526
Std Dev 1.201
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_rms vs run
χ² / ndf 3924 / 73
p0 257.7 ± 0.2082
300
290
280
270
260
250
240
230

dit_asym_sam_15_avg_mean vs run
χ² / ndf 79.25 / 73
p0 −79.47 ± 83.74
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 74
Mean −52.44
Std Dev 42.97
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.0111
Std Dev 1.035
14
12
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
χ^2 / ndf 62.9 / 73
p0 552.5 ± 446.8
pull
Entries 74
Mean 206.4
Std Dev 155.2
pull1D
Entries 74
Mean 0.0149
Std Dev 0.9218

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 4108 / 73
p0 390.9 ± 0.316
440
420
400
380
360
340

asym_sam_15_avg_mean vs run
χ² / ndf 62.21 / 73
p0 −592.8 ± 451.1
pull
Entries 74
Mean 176.5
Std Dev 129.2
pull1D
Entries 74
Mean −0.01867
Std Dev 0.9167

asym_sam_15_avg_rms vs run
χ^2 / ndf 5661 / 73
p0 394.4 ± 0.319
460
440
420
400
380
360
340

dit_asym_sam_26_avg_mean vs run
χ² / ndf 72.01 / 73
p0 −378.8 ± 157.1
pull
Entries 74
Mean 175.8
Std Dev 113.7

pull1D
Entries 74
Mean −0.007025
Std Dev 0.9865

dit_asym_sam_26_avg_rms vs run

asym_sam_26_avg_correction_mean vs run
χ² / ndf 85.05 / 73
p0 −635.2 ± 692.9
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −57.63
Std Dev 96.45
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.03879
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3553 / 73
p0 606.4 ± 0.49
700
680
660
640
620
600
580
560
540

asym_sam_26_avg_mean vs run
χ² / ndf 85.24 / 73
p0 250 ± 687.2
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −70.71
Std Dev 110.6
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.03764
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_avg_rms vs run
χ² / ndf 5585 / 73
p0 600.9 ± 0.4859
720
700
680
660
640
620
600
580
560
540
520

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 59.4 / 73
p0 −204.9 ± 101.5
pull
Entries 74
Mean 38.5
Std Dev 16.03

pull1D
Entries 74
Mean −0.01503
Std Dev 0.8958

dit_asym_sam_37_avg_rms vs run
χ2 / ndf 9.345e+04 / 73
p0 86.18 ± 0.07178
180
160
140
120
100
80
60

asym_sam_37_avg_correction_mean vs run
χ² / ndf 105.9 / 73
p0 −158.6 ± 713.8
pull
Entries 74
Mean −179.3
Std Dev 222.5
pull1D
Entries 74
Mean −0.02641
Std Dev 1.196

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3549 / 73
p0 624.7 ± 0.5048
720
700
680
660
640
620
600
580
560

asym_sam_37_avg_mean vs run
χ² / ndf 103.5 / 73
p0 −21.77 ± 721.9
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −240.2
Std Dev 283.4
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.02094
Std Dev 1.183
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_avg_rms vs run
χ² / ndf 6057 / 73
p0 631.2 ± 0.5104
750
700
650
600
550

dit_asym_sam_48_avg_mean vs run
χ² / ndf 65.46 / 73
p0 −301.8 ± 239.2
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 109.2
Std Dev 101
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.009862
Std Dev 0.9405
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 90.95 / 73
p0 899.4 ± 1460
pull
Entries 74
Mean −761.3
Std Dev 807.4
pull1D
Entries 74
Mean −0.006708
Std Dev 1.109

asym_sam_48_avg_correction_rms vs run
χ² / ndf 3206 / 73
p0 1278 ± 1.032
1450
1400
1350
1300
1250
1200
1150

asym_sam_48_avg_mean vs run
χ² / ndf 88.77 / 73
p0 −1149 ± 1469
pull
Entries 74
Mean −7442
Std Dev 7488
pull1D
Entries 74
Mean 0.000738
Std Dev 1.095

asym_sam_48_avg_rms vs run
χ² / ndf 4810 / 73
p0 1285 ± 1.038
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100

dit_asym_sam_15_dd_mean vs run
χ² / ndf 71.35 / 73
p0 172.8 ± 133.5
pull
Entries 74
Mean −67.24
Std Dev 147

pull1D
Entries 74
Mean 0.01068
Std Dev 0.9819

dit_asym_sam_15_dd_rms vs run
χ2 / ndf 812.3 / 73
p0 116.9 ± 0.09437
126
124
122
120
118
116
114
112

asym_sam_15_dd_correction_mean vs run
χ² / ndf 61.88 / 73
p0 −976.9 ± 797.3
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 100.2
Std Dev 48.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.02829
Std Dev 0.914
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
χ² / ndf 3640 / 73
p0 697.7 ± 0.5638
820
800
780
760
740
720
700
680
660
640
620

asym_sam_15_dd_mean vs run
χ² / ndf 62.65 / 73
p0 1158 ± 790.9
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 90.42
Std Dev 44.19
pull1D
Entries 74
Mean 0.02993
Std Dev 0.9196

asym_sam_15_dd_rms vs run
χ² / ndf 3869 / 73
p0 692.1 ± 0.5593
800
750
700
650
600

dit_asym_sam_26_dd_mean vs run
χ² / ndf 71.01 / 73
p0 −39.21 ± 254.1
pull
Entries 74
Mean 12.78
Std Dev 63.36
pull1D
Entries 74
Mean 0.02712
Std Dev 0.9792

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 360.3 / 73
p0 222.6 ± 0.1796
232
230
228
226
224
222
220
218
216
214
212

asym_sam_26_dd_correction_mean vs run
χ² / ndf 72.03 / 73
p0 −1755 ± 1780
pull
Entries 74
Mean −18.8
Std Dev 55.52
pull1D
Entries 74
Mean −0.04128
Std Dev 0.9858

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3492 / 73
p0 1558 ± 1.259
1750
1700
1650
1600
1550
1500
1450
1400

asym_sam_26_dd_mean vs run
χ² / ndf 72.66 / 73
p0 1778 ± 1762
pull
Entries 74
Mean −18.52
Std Dev 58.18
pull1D
Entries 74
Mean 0.04364
Std Dev 0.9899

asym_sam_26_dd_rms vs run
χ² / ndf 3648 / 73
p0 1542 ± 1.246
1750
1700
1650
1600
1550
1500
1450
1400
1350

dit_asym_sam_37_dd_mean vs run
χ² / ndf 61.4 / 73
p0 −68.07 ± 56.47
pull
Entries 74
Mean −22.21
Std Dev 58.46
pull1D
Entries 74
Mean 0.01541
Std Dev 0.9107

dit_asym_sam_37_dd_rms vs run

asym_sam_37_dd_correction_mean vs run
χ² / ndf 100.3 / 73
p0 152.2 ± 364.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −231.9
Std Dev 276.4
2
1
0
−1
−2
−3
−4
pull1D
Entries 74
Mean −0.0223
Std Dev 1.164
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_dd_correction_rms vs run
χ2 / ndf 3477 / 73
p0 319 ± 0.2578
360
350
340
330
320
310
300
290

asym_sam_37_dd_mean vs run
χ² / ndf 99.28 / 73
p0 −147.5 ± 378
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −396
Std Dev 440.9
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.0136
Std Dev 1.158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_dd_rms vs run
χ^2 / ndf 7422 / 73
p0 330.3 ± 0.2673
420
400
380
360
340
320
300
280

dit_asym_sam_48_dd_mean vs run
χ² / ndf 60.14 / 73
p0 −496 ± 183.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean 0.5476
Std Dev 79.23
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 74
Mean 0.01016
Std Dev 0.9014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_48_dd_rms vs run

asym_sam_48_dd_correction_mean vs run
χ² / ndf 85.16 / 73
p0 1006 ± 1240
40000
20000
0
−20000
−40000
pull
Entries 74
Mean −8654
Std Dev 8699
pull1D
Entries 74
Mean −0.0006022
Std Dev 1.073

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2739 / 73
p0 1085 ± 0.8766
1200
1150
1100
1050
1000

asym_sam_48_dd_mean vs run
χ² / ndf 83.62 / 73
p0 −1380 ± 1255
40000
20000
0
−20000
−40000
pull
Entries 74
Mean 1200
Std Dev 1155
3
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.004483
Std Dev 1.063
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
χ² / ndf 4302 / 73
p0 1098 ± 0.8875
1300
1250
1200
1150
1100
1050
1000
950

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 71.15 / 73
p0 61.23 ± 69.31
pull
Entries 74
Mean −122.6
Std Dev 195.7
pull1D
Entries 74
Mean 0.008956
Std Dev 0.9805

dit_asym_sam_13_57_dd_rms vs run

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 67.98 / 73
p0 −382 ± 401
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 12.81
Std Dev 11.95
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.04031
Std Dev 0.9576
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 71.24 / 73
p0 472 ± 391.7
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 4.624
Std Dev 38.52
pull1D
Entries 74
Mean 0.04188
Std Dev 0.9803

asym_sam_13_57_dd_rms vs run
χ² / ndf 3304 / 73
p0 342.8 ± 0.277
390
380
370
360
350
340
330
320
310

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 88.28 / 73
p0 77.02 ± 53.41
pull
Entries 74
Mean 24.21
Std Dev 82.07
pull1D
Entries 74
Mean 0.01258
Std Dev 1.092

dit_asym_sam_15_37_dd_rms vs run

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 86.96 / 73
p0 326.2 ± 390.8
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −61.99
Std Dev 103.7
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.04028
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_37_dd_correction_rms vs run
χ2 / ndf 3186 / 73
p0 342 ± 0.2764
390
380
370
360
350
340
330
320
310

asym_sam_15_37_dd_mean vs run
χ² / ndf 85.99 / 73
p0 −251.2 ± 393.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −73.66
Std Dev 115.2
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.03559
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_37_dd_rms vs run

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 63.65 / 73
p0 −183.8 ± 110.1
4000
2000
0
−2000
−4000
pull
Entries 74
Mean 97.11
Std Dev 56.37
pull1D
Entries 74
Mean −0.0101
Std Dev 0.9274

dit_asym_sam_24_68_dd_rms vs run
χ2 / ndf 4.313e+04 / 73
p0 95.07 ± 0.07783
160
150
140
130
120
110
100
90
80

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 100.2 / 73
p0 −403.4 ± 996.7
pull
Entries 74
Mean −116
Std Dev 158.1
pull1D
Entries 74
Mean −0.03446
Std Dev 1.163

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3100 / 73
p0 872.3 ± 0.7048
980
960
940
920
900
880
860
840
820
800

asym_sam_24_68_dd_mean vs run
χ² / ndf 99.54 / 73
p0 211.8 ± 1003
pull
Entries 74
Mean −122.1
Std Dev 164.8
pull1D
Entries 74
Mean 0.03384
Std Dev 1.159

asym_sam_24_68_dd_rms vs run
χ² / ndf 3782 / 73
p0 877.2 ± 0.7089
1000
950
900
850
800

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 67.92 / 73
p0 −23.47 ± 127.8
pull
Entries 74
Mean 100.4
Std Dev 129.8
pull1D
Entries 74
Mean 0.005639
Std Dev 0.958

dit_asym_sam_26_48_dd_rms vs run
χ2 / ndf 1.856e+04 / 73
p0 111.3 ± 0.09037
150
140
130
120
110
100

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 70.62 / 73
p0 −855.3 ± 729.3
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 858.4
Std Dev 809.6
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.004584
Std Dev 0.9769
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 4071 / 73
p0 638.1 ± 0.5157
720
700
680
660
640
620
600
580
560

asym_sam_26_48_dd_mean vs run
χ² / ndf 67.83 / 73
p0 781.7 ± 712.6
pull
Entries 74
Mean 388.8
Std Dev 341.4
pull1D
Entries 74
Mean 0.011
Std Dev 0.9573

asym_sam_26_48_dd_rms vs run
χ² / ndf 5373 / 73
p0 623.2 ± 0.5039
720
700
680
660
640
620
600
580
560
540

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 68.37 / 73
p0 −201.6 ± 157.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean 806.1
Std Dev 808
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.001116
Std Dev 0.9612
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_1548_avg_rms vs run

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 83.89 / 73
p0 733.6 ± 910
pull
Entries 74
Mean −2077
Std Dev 2124
pull1D
Entries 74
Mean −0.002331
Std Dev 1.065

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3135 / 73
p0 796.4 ± 0.6435
900
850
800
750
700

asym_sam_1548_avg_mean vs run
χ2 / ndf 81.87 / 73
p0 −878.1 ± 915.6
pull
Entries 74
Mean 1516
Std Dev 1470
pull1D
Entries 74
Mean −0.003437
Std Dev 1.052

asym_sam_1548_avg_rms vs run
χ² / ndf 4754 / 73
p0 800.9 ± 0.6474
950
900
850
800
750
700

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 60.95 / 73
p0 −247.6 ± 156.9
pull
Entries 74
Mean 73.45
Std Dev 63.42
pull1D
Entries 74
Mean −0.01333
Std Dev 0.9075

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.172e+05 / 73
p0 132.1 ± 0.1109
280
260
240
220
200
180
160
140
120
100

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 99.42 / 73
p0 344.8 ± 1029
pull
Entries 74
Mean −423.4
Std Dev 468.6
pull1D
Entries 74
Mean −0.01248
Std Dev 1.159

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3481 / 73
p0 900.5 ± 0.7276
1050
1000
950
900
850
800

asym_sam_3748_avg_mean vs run
χ² / ndf 96.95 / 73
p0 −569.7 ± 1039
pull
Entries 74
Mean −813.2
Std Dev 857.9
pull1D
Entries 74
Mean 0.006927
Std Dev 1.145

asym_sam_3748_avg_rms vs run
χ² / ndf 5318 / 73
p0 908.3 ± 0.7344
1100
1050
1000
950
900
850
800

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 69.64 / 73
p0 −215.6 ± 87.14
pull
Entries 74
Mean 176.3
Std Dev 143.1
pull1D
Entries 74
Mean −0.008024
Std Dev 0.97

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6.345e+04 / 73
p0 74.75 ± 0.06162
130
120
110
100
90
80
70
60

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 107.5 / 73
p0 −103.3 ± 314.4
pull
Entries 74
Mean −245.2
Std Dev 288.2
pull1D
Entries 74
Mean −0.02001
Std Dev 1.205

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 3999 / 73
p0 275.1 ± 0.2223
320
310
300
290
280
270
260
250

asym_sam_1526_avg_mean vs run
χ² / ndf 103.7 / 73
p0 −141.9 ± 326.3
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean −245.4
Std Dev 287.5
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.02108
Std Dev 1.184
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1526_avg_rms vs run
χ² / ndf 6147 / 73
p0 285.3 ± 0.2307
340
320
300
280
260

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 67.13 / 73
p0 −278.6 ± 119.3
4000
2000
0
−2000
−4000
pull
Entries 74
Mean 67.75
Std Dev 31.53
pull1D
Entries 74
Mean −0.01783
Std Dev 0.9523

dit_asym_sam_3726_avg_rms vs run

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 99.21 / 73
p0 −399.2 ± 668.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean −109.9
Std Dev 151.4
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.03383
Std Dev 1.157
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3140 / 73
p0 584.8 ± 0.4725
660
640
620
600
580
560
540

asym_sam_3726_avg_mean vs run
χ^2 / ndf 98.05 / 73
p0 109.3 ± 674.1
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −132.2
Std Dev 174
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.03067
Std Dev 1.151
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3726_avg_rms vs run
χ² / ndf 5586 / 73
p0 589.5 ± 0.4767
700
680
660
640
620
600
580
560
540
520

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 61.67 / 73
p0 95.77 ± 86.86
pull
Entries 74
Mean 50.74
Std Dev 23.74
pull1D
Entries 74
Mean 0.02763
Std Dev 0.9125

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.243e+05 / 73
p0 72.95 ± 0.06142
160
140
120
100
80
60

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 100.4 / 73
p0 −173.4 ± 581.2
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −377.4
Std Dev 422.7
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.01387
Std Dev 1.165
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 3571 / 73
p0 508.6 ± 0.4109
580
560
540
520
500
480
460

asym_sam_15_48_dd_mean vs run
χ² / ndf 98.29 / 73
p0 276.2 ± 584.6
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −733.7
Std Dev 778.7
pull1D
Entries 74
Mean −0.007666
Std Dev 1.152

asym_sam_15_48_dd_rms vs run
χ² / ndf 5124 / 73
p0 511.3 ± 0.4134
620
600
580
560
540
520
500
480
460
440

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 74.43 / 73
p0 50.99 ± 94.19
pull
Entries 74
Mean 204.5
Std Dev 198
pull1D
Entries 74
Mean 0.005716
Std Dev 1.003

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 4.817e+04 / 73
p0 81.21 ± 0.0666
130
120
110
100
90
80
70

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 71.08 / 73
p0 −564.9 ± 510.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean 760.2
Std Dev 711.5
pull1D
Entries 74
Mean −0.005177
Std Dev 0.9801

asym_sam_37_48_dd_correction_rms vs run
χ2 / ndf 3823 / 73
p0 447 ± 0.3612
500
480
460
440
420
400

asym_sam_37_48_dd_mean vs run
χ² / ndf 69.36 / 73
p0 587.6 ± 509
pull
Entries 74
Mean 380.6
Std Dev 333.4
pull1D
Entries 74
Mean 0.01143
Std Dev 0.9681

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 5307 / 73
p0 445.2 ± 0.3599
520
500
480
460
440
420
400

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 78.22 / 73
p0 185.7 ± 88.34
pull
Entries 74
Mean −19.12
Std Dev 94.96

pull1D
Entries 74
Mean −0.01335
Std Dev 1.028

dit_asym_sam_15_26_dd_rms vs run
χ2 / ndf 2061 / 73
p0 77.34 ± 0.06247
88
86
84
82
80
78
76
74
72

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 66.13 / 73
p0 577.6 ± 490.2
pull
Entries 74
Mean −2.423
Std Dev 30.86
pull1D
Entries 74
Mean 0.03655
Std Dev 0.9446

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4844 / 73
p0 428.7 ± 0.3466
500
480
460
440
420
400
380

asym_sam_15_26_dd_mean vs run
χ² / ndf 65.86 / 73
p0 −425.5 ± 480.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −9.344
Std Dev 44.61
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.03588
Std Dev 0.9427
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 5924 / 73
p0 420.3 ± 0.3399
480
460
440
420
400
380
360

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 71.31 / 73
p0 91.56 ± 55.73
pull
Entries 74
Mean −25.19
Std Dev 81.58

pull1D
Entries 74
Mean −0.0183
Std Dev 0.9815

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 689.1 / 73
p0 48.81 ± 0.0394
53
52
51
50
49
48
47
46

asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 69.69 / 73
p0 287.3 ± 220.6
pull
Entries 74
Mean 974.8
Std Dev 925.9

pull1D
Entries 74
Mean 0.004009
Std Dev 0.9704

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 4659 / 73
p0 193 ± 0.156
220
210
200
190
180
170

asym_sam_37_26_dd_mean vs run
χ² / ndf 64.21 / 73
p0 −191.9 ± 206.3
pull
Entries 74
Mean 390.5
Std Dev 342.4

pull1D
Entries 74
Mean −0.01039
Std Dev 0.9314

asym_sam_37_26_dd_rms vs run
χ² / ndf 5597 / 73
p0 180.4 ± 0.1459
210
200
190
180
170
160
150

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 60.34 / 73
p0 −151.8 ± 76.08
pull
Entries 74
Mean −135.5
Std Dev 112
pull1D
Entries 74
Mean 0.00362
Std Dev 0.903

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 9.02e+04 / 73
p0 64.66 ± 0.0538
130
120
110
100
90
80
70
60
50

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 98.8 / 73
p0 180.9 ± 452.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 74
Mean −368.8
Std Dev 414.7
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.01417
Std Dev 1.155
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_correction_rms vs run
χ2 / ndf 3137 / 73
p0 396.1 ± 0.3201
440
420
400
380
360

asym_sam_1357_avg_mean vs run
χ² / ndf 95.11 / 73
p0 −293.8 ± 456
pull
Entries 74
Mean −938.1
Std Dev 982.3
pull1D
Entries 74
Mean 0.00599
Std Dev 1.134

asym_sam_1357_avg_rms vs run
χ^2 / ndf 5517 / 73
p0 398.7 ± 0.3224
480
460
440
420
400
380
360
340

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 63.12 / 73
p0 −295 ± 154.8
pull
Entries 74
Mean 64.85
Std Dev 32.98
pull1D
Entries 74
Mean −0.02528
Std Dev 0.9232

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.21e+05 / 73
p0 130.1 ± 0.1094
280
260
240
220
200
180
160
140
120
100

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 104.3 / 73
p0 61.53 ± 878.5
pull
Entries 74
Mean −331.5
Std Dev 376.1
pull1D
Entries 74
Mean −0.01575
Std Dev 1.187

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3819 / 73
p0 768.7 ± 0.6212
900
850
800
750
700

asym_sam_2468_avg_mean vs run
χ^2 / ndf 101.6 / 73
p0 −409.4 ± 897.1
pull
Entries 74
Mean −455.5
Std Dev 499.6
pull1D
Entries 74
Mean 0.01218
Std Dev 1.172

asym_sam_2468_avg_rms vs run
χ² / ndf 5505 / 73
p0 784.5 ± 0.6344
950
900
850
800
750
700

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 64.58 / 73
p0 75.64 ± 47.16
pull
Entries 74
Mean 56.25
Std Dev 21.67
pull1D
Entries 74
Mean 0.04204
Std Dev 0.9333

dit_asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 1.02e+05 / 73
p0 39.92 ± 0.03334
80
70
60
50
40
30

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 105.5 / 73
p0 48.33 ± 228
pull
Entries 74
Mean −250
Std Dev 292.9
pull1D
Entries 74
Mean 0.01929
Std Dev 1.194

asym_sam_1357_2468_dd_correction_rms vs run
χ2 / ndf 4074 / 73
p0 199.5 ± 0.1612
230
220
210
200
190
180

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 105.1 / 73
p0 62.72 ± 230.2
pull
Entries 74
Mean −274.2
Std Dev 318
pull1D
Entries 74
Mean −0.01902
Std Dev 1.191

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5125 / 73
p0 201.4 ± 0.1628
240
230
220
210
200
190
180

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 62.36 / 73
p0 −224.3 ± 112.5
4000
2000
0
−2000
−4000
pull
Entries 74
Mean 80.98
Std Dev 60.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 74
Mean −0.01548
Std Dev 0.9179
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.172e+05 / 73
p0 94.74 ± 0.07957
200
180
160
140
120
100
80
60

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 102.9 / 73
p0 117.7 ± 660.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean −351
Std Dev 396
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.01501
Std Dev 1.179
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_12345678_avg_correction_rms vs run
χ2 / ndf 3595 / 73
p0 578.1 ± 0.4671
660
640
620
600
580
560
540
520

asym_sam_12345678_avg_mean vs run
χ² / ndf 99.72 / 73
p0 −349.8 ± 673.3
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −560.7
Std Dev 604.8
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.009991
Std Dev 1.161
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_12345678_avg_rms vs run
χ² / ndf 5546 / 73
p0 588.8 ± 0.4761
720
700
680
660
640
620
600
580
560
540
520

dit_usl_4aX_slope vs run
χ² / ndf 3.046e−24 / 73
p0 −242.4 ± 0.5211
−238
−240
−242
−244
−246
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

pull1D
Entries 74
Mean −2.029e−13
Std Dev1.312e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ^2 / ndf 1.147e−26 / 73
p0 198.8 ± 0.5309
204
202
200
198
196
194
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
0
−2
−4
−6
−8
−10
−12

pull1D
Entries 74
Mean −1.245e−14
Std Dev 2.593e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run

dit_usl_4aY_slope vs run
χ^2 / ndf 3.631e−28 / 73
p0 2.165 ± 0.02331
pull
Entries 74
Mean 37
Std Dev 21.36

pull1D
Entries 74
Mean 2.215e−15
Std Dev 9.544e−23

dit_usl_4eY_slope vs run
χ² / ndf 3.978e−25 / 73
p0 15.88 ± 0.03943
16.2
16.1
16
15.9
15.8
15.7
15.6
15.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
70
60
50
40
30
20
10
0

pull1D
Entries 74
Mean 7.332e−14
Std Dev 2.396e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run
χ^2 / ndf 3.792e−24 / 73
p0 −310.3 ± 0.3795
−307
−308
−309
−310
−311
−312
−313
−314
pull
Entries 74
Mean 37
Std Dev 21.36
×10^-12
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 74
Mean 2.264e−13
Std Dev 1.016e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run
χ^2 / ndf 2.285e−26 / 73
p0 389.2 ± 0.376
393
392
391
390
389
388
387
386
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

pull1D
Entries 74
Mean −1.757e−14
Std Dev1.059e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run

dit_usr_4aY_slope vs run
χ^2 / ndf 0 / 73
p0 3.193 ± 0.03281
3.5
3.4
3.3
3.2
3.1
3
2.9
pull
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 74
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eY_slope vs run

dit_atl1_4aX_slope vs run
χ^2 / ndf 2.021e−26 / 73
p0 −111 ± 1.1
−100
−105
−110
−115
−120
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
16
14
12
10
8
6
4
2
0

pull1D
Entries 74
Mean 1.652e−14
Std Dev 8.47e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eX_slope vs run

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.417e−25 / 73
p0 −18.94 ± 0.04718
−18.5
−18.6
−18.7
−18.8
−18.9
−19
−19.1
−19.2
−19.3
−19.4
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
45
40
35
30
25
20
15
10
5
0

pull1D
Entries 74
Mean 4.377e−14
Std Dev 1.986e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aY_slope vs run
χ² / ndf 3.819e−25 / 73
p0 11.75 ± 0.04599
12.2
12.1
12
11.9
11.8
11.7
11.6
11.5
11.4
11.3
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
70
60
50
40
30
20
10
0

pull1D
Entries 74
Mean 7.184e−14
Std Dev3.882e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run
χ² / ndf 2.585e−26 / 73
p0 −20.71 ± 0.1105
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −1.869e−14
Std Dev 7.023e−22

dit_atl2_4aX_slope vs run

dit_atl2_4eX_slope vs run
χ^2 / ndf 2.166e−24 / 73
p0 2138 ± 2.163
2160
2155
2150
2145
2140
2135
2130
2125
2120
pull
Entries 74
Mean 37
Std Dev 21.36
$\times 10^{-12}$
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 74
Mean 1.711e−13
Std Dev6.776e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run

dit_atl2_4aY_slope vs run
χ^2 / ndf 4.578e−28 / 73
p0 7.633 ± 0.1245
8.5
8
7.5
7
6.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10^-15
2.5
2
1.5
1
0.5
0

pull1D
Entries 74
Mean 2.487e−15
Std Dev 2.647e−23
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.932e−25 / 73
p0 117.8 ± 0.1293
119
118.5
118
117.5
117
116.5
pull
Entries 74
Mean 37
Std Dev 21.36
$\times 10^{-15}$
50
40
30
20
10
0

pull1D
Entries 74
Mean 5.109e−14
Std Dev2.611e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ^2 / ndf 0 / 73
p0 −111.8 ± 1.142
−100
−105
−110
−115
−120
pull
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 74
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eX_slope vs run
χ^2 / ndf 9.515e−28 / 73
p0 62.44 ± 1.152
pull
Entries 74
Mean 37
Std Dev 21.36

pull1D
Entries 74
Mean 3.586e−15
Std Dev1.059e−22

dit_atr1_11X12X_slope vs run
χ^2 / ndf 7.557e−26 / 73
p0 −15.28 ± 0.04523
−14.9
−15
−15.1
−15.2
−15.3
−15.4
−15.5
−15.6
−15.7
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
30
25
20
15
10
5
0

pull1D
Entries 74
Mean 3.196e−14
Std Dev 1.746e−21
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 1.393e−25 / 73
p0 14.51 ± 0.04283
14.9
14.8
14.7
14.6
14.5
14.4
14.3
14.2
14.1
pull
Entries 74
Mean 37
Std Dev 21.36
×10^-15
45
40
35
30
25
20
15
10
5
0

pull1D
Entries 74
Mean 4.339e−14
Std Dev 2.679e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
χ² / ndf 5.056e−27 / 73
p0 −25.17 ± 0.09993
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean −8.266e−15
Std Dev 1.834e−22

dit_atr2_4aX_slope vs run
χ^2 / ndf 1.091e−24 / 73
p0 −1917 ± 1.959
−1900
−1905
−1910
−1915
−1920
−1925
−1930
−1935
pull
Entries 74
Mean 37
Std Dev 21.36
$\times 10^{-12}$
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 74
Mean 1.214e−13
Std Dev 5.357e−21
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 5.454e−26 / 73
p0 2141 ± 1.947
2160
2155
2150
2145
2140
2135
2130
2125
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
0
−5
−10
−15
−20
−25

pull1D
Entries 74
Mean −2.715e−14
Std Dev1.271e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_11X12X_slope vs run

dit_atr2_4aY_slope vs run
χ^2 / ndf 4.826e−28 / 73
p0 6.257 ± 0.1213
7.5
7
6.5
6
5.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10^-15
2.5
2
1.5
1
0.5
0

pull1D
Entries 74
Mean 2.554e−15
Std Dev 1.297e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eY_slope vs run
χ^2 / ndf 5.24e−24 / 73
p0 98.46 ± 0.118
99.5
99
98.5
98
97.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10^-12
0
−0.05
−0.1
−0.15
−0.2
−0.25

pull1D
Entries 74
Mean −2.661e−13
Std Dev8.964e−21
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
χ² / ndf 7.18e−26 / 73
p0 −17.13 ± 0.1326
−16
−16.5
−17
−17.5
−18
−18.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹⁵
30
25
20
15
10
5
0

pull1D
Entries 74
Mean 3.115e−14
Std Dev 1.467e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_11X12X_slope vs run

dit_sam1_4aY_slope vs run
χ^2 / ndf 2.532e−23 / 73
p0 −50.07 ± 0.004236
−50.03
−50.04
−50.05
−50.06
−50.07
−50.08
−50.09
−50.1
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 74
Mean −5.85e−13
Std Dev 2.443e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run
χ^2 / ndf 1.613e−25 / 73
p0 8.085 ± 0.02211
8.3
8.25
8.2
8.15
8.1
8.05
8
7.95
7.9
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
0
−10
−20
−30
−40

pull1D
Entries 74
Mean −4.669e−14
Std Dev2.934e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aX_slope vs run

dit_sam2_4eX_slope vs run
χ^2 / ndf 8.889e−27 / 73
p0 −280.1 ± 1.809
−265
−270
−275
−280
−285
−290
−295
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
10
8
6
4
2
0

pull1D
Entries 74
Mean 1.096e−14
Std Dev 2.118e−22
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

dit_sam2_4eY_slope vs run
χ² / ndf 6.496e−24 / 73
p0 −205.9 ± 0.06691
−205.2
−205.4
−205.6
−205.8
−206
−206.2
−206.4
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 74
Mean 2.963e−13
Std Dev4.792e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aX_slope vs run

dit_sam3_4eX_slope vs run

dit_sam3_11X12X_slope vs run

dit_sam3_4aY_slope vs run
χ² / ndf 0 / 73
p0 −6.554 ± 0.03698
−6.2
−6.3
−6.4
−6.5
−6.6
−6.7
−6.8
−6.9
pull
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 74
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eY_slope vs run
χ^2 / ndf 8.388e−25 / 73
p0 29.87 ± 0.07758
30.6
30.4
30.2
30
29.8
29.6
29.4
29.2
pull
Entries 74
Mean 37
Std Dev 21.36
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 74
Mean 1.065e−13
Std Dev 5.868e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run

dit_sam4_4eX_slope vs run
χ^2 / ndf 4.602e−28 / 73
p0 −250.9 ± 2.65
−230
−240
−250
−260
−270
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
2.5
2
1.5
1
0.5
0

pull1D
Entries 74
Mean 2.494e−15
Std Dev 1.269e−22
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
χ² / ndf 1.402e−24 / 73
p0 262.5 ± 0.2401
265
264.5
264
263.5
263
262.5
262
261.5
261
260.5
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 74
Mean 1.376e−13
Std Dev 1.694e−21
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 2.905e−26 / 73
p0 13.64 ± 0.2293
pull
Entries 74
Mean 37
Std Dev 21.36

pull1D
Entries 74
Mean −1.981e−14
Std Dev4.235e−22

dit_sam5_4eX_slope vs run

dit_sam5_11X12X_slope vs run

dit_sam5_4aY_slope vs run
χ² / ndf 4.861e−24 / 73
p0 31.91± 0.009669
32
31.98
31.96
31.94
31.92
31.9
31.88
31.86
31.84
31.82
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 74
Mean 2.563e−13
Std Dev 1.071e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run
χ^2 / ndf 2.147e−23 / 73
p0 117.5 ± 0.05213
118
117.8
117.6
117.4
117.2
117
pull
Entries 74
Mean 37
Std Dev 21.36
$\times 10^{-12}$
0
−0.1
−0.2
−0.3
−0.4
−0.5

pull1D
Entries 74
Mean −5.387e−13
Std Dev1.515e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aX_slope vs run

dit_sam6_4eX_slope vs run

dit_sam6_11X12X_slope vs run

dit_sam6_4aY_slope vs run
χ² / ndf 1.959e−24 / 73
p0 16.86 ± 0.02284
17.05
17
16.95
16.9
16.85
16.8
16.75
16.7
16.65
pull
Entries 74
Mean 37
Std Dev 21.36
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 74
Mean 1.627e−13
Std Dev 4.15e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run
χ^2 / ndf 5.703e−24 / 73
p0 100.4 ± 0.0476
100.8
100.7
100.6
100.5
100.4
100.3
100.2
100.1
100
99.9
pull
Entries 74
Mean 37
Std Dev 21.36
×10^-12
0
−0.05
−0.1
−0.15
−0.2
−0.25

pull1D
Entries 74
Mean −2.776e−13
Std Dev 1.312e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run
χ^2 / ndf 8.979e−26 / 73
p0 87.69 ± 0.3794
91
90
89
88
87
86
85
84
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
0
−5
−10
−15
−20
−25
−30
−35

pull1D
Entries 74
Mean −3.483e−14
Std Dev 1.64e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eX_slope vs run
χ^2 / ndf 5.49e−27 / 73
p0 −132.1 ± 0.3836
−129
−130
−131
−132
−133
−134
−135
−136
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−15
9
8
7
6
5
4
3
2
1
0

pull1D
Entries 74
Mean 8.613e−15
Std Dev 3.962e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_11X12X_slope vs run

dit_sam7_4aY_slope vs run
χ^2 / ndf 2.657e−25 / 73
p0 7.181± 0.008615
7.26
7.24
7.22
7.2
7.18
7.16
7.14
7.12
7.1
pull
Entries 74
Mean 37
Std Dev 21.36
$\times 10^{-15}$
60
50
40
30
20
10
0

pull1D
Entries 74
Mean 5.993e−14
Std Dev3.281e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
χ^2 / ndf 3.838e−25 / 73
p0 −11.92 ± 0.01147
−11.8
−11.85
−11.9
−11.95
−12
pull
Entries 74
Mean 37
Std Dev 21.36
$\times 10^{-15}$

pull1D
Entries 74
Mean 7.202e−14
Std Dev3.692e−21

dit_sam8_4aX_slope vs run

dit_sam8_4eX_slope vs run

dit_sam8_11X12X_slope vs run

dit_sam8_4aY_slope vs run
χ^2 / ndf 3.384e−22 / 73
p0 −48.62 ± 0.005407
−48.58
−48.6
−48.62
−48.64
−48.66
−48.68
pull
Entries 74
Mean 37
Std Dev 21.36
×10^−12
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −2.139e−12
Std Dev 1.181e−19
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 2.727e−23 / 73
p0 54.28 ± 0.01633
54.4
54.35
54.3
54.25
54.2
54.15
pull
Entries 74
Mean 37
Std Dev 21.36
$\times 10^{-12}$
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

pull1D
Entries 74
Mean −6.071e−13
Std Dev 2.347e−20
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
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0.4
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1

pull1D
Entries 0
Mean 0
Std Dev 0
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pull
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Mean 0
Std Dev 0
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pull1D
Entries 0
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Std Dev 0
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Std Dev 0
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pull1D
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pull
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pull1D
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Mean 0
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pull1D
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pull1D
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pull
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pull1D
Entries 0
Mean 0
Std Dev 0
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8

dit_run_mean vs run
χ^2 / ndf 653.2 / 66
p0 7072 ± 0.3843
7078
7076
7074
7072
7070
7068
7066

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
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8

dit_run_rms vs run
χ² / ndf 653.2 / 66
p0 7072 ± 0.3843
7078
7076
7074
7072
7070
7068
7066

dit_slug_slope vs run
χ² / ndf 0 / 73
p0 162 ± 0.1162
163
162.8
162.6
162.4
162.2
162

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

dit_cyclenum_mean vs run
χ^2 / ndf 1.567e+04 / 66
p0 7900 ± 1.883
7930
7920
7910
7900
7890
7880

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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–2
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2
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dit_cyclenum_rms vs run
χ² / ndf 1.567e+04 / 66
p0 7900 ± 1.883
7930
7920
7910
7900
7890
7880

dit_scandata1_mean vs run
χ^2 / ndf 0 / 66
p0 0 ± 0.1222
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
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–2
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dit_scandata1_rms vs run
χ² / ndf 0 / 66
p0 0 ± 0.1222
1
0.8
0.6
0.4
0.2
0

dit_scandata2_mean vs run
χ^2 / ndf 0 / 66
p0 0 ± 0.1222
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–2
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8

dit_scandata2_rms vs run

dit_flag_mean vs run
χ^2 / ndf 0 / 66
p0 1 ± 0.1222
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
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–4
–2
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2
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8

dit_flag_rms vs run

dit_segment_slope vs run
χ^2 / ndf 9.121e−31 / 73
p0 1 ± 1.299e−17
2
1.8
1.6
1.4
1.2
1

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

reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 130.3 / 73
p0 −7.796 ± 0.3017
pull
Entries 74
Mean 29.22
Std Dev 15.16

pull1D
Entries 74
Mean 0.2474
Std Dev 1.304

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 72.03 / 73
p0 −48.63 ± 0.2444
pull
Entries 74
Mean −55.53
Std Dev 90.87
pull1D
Entries 74
Mean −0.06233
Std Dev 0.9846

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 118.9 / 73
p0 −6.329 ± 0.2905
pull
Entries 74
Mean 30.36
Std Dev 15.58

pull1D
Entries 74
Mean −0.2358
Std Dev 1.245

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 42.56 / 73
p0 8.655 ± 0.2535
pull
Entries 74
Mean −98.04
Std Dev 135.2

pull1D
Entries 74
Mean 0.03789
Std Dev 0.7574

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 16.72 / 73
p0 0.4251± 0.01154
pull
Entries 74
Mean −169.3
Std Dev 202.7

pull1D
Entries 74
Mean 0.0263
Std Dev 0.4746

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 21.91 / 73
p0 −39.32 ± 1.989
pull
Entries 74
Mean 29.78
Std Dev 21.65
pull1D
Entries 74
Mean 0.0962
Std Dev 0.5356

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 9.456 / 73
p0 −12.36 ± 1.593
pull
Entries 74
Mean 14.97
Std Dev 30.26

pull1D
Entries 74
Mean −0.02547
Std Dev 0.3566

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 15.39 / 73
p0 −158.2 ± 1.915
pull
Entries 74
Mean 39.04
Std Dev 24.09

pull1D
Entries 74
Mean −0.07681
Std Dev 0.4495

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 14.42 / 73
p0 −172.6 ± 1.658
pull
Entries 74
Mean −29.59
Std Dev 73.04

pull1D
Entries 74
Mean 0.02417
Std Dev 0.4408

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 6.743 / 73
p0 1.585 ± 0.07559
pull
Entries 74
Mean −415.1
Std Dev 447.6

pull1D
Entries 74
Mean 0.007544
Std Dev 0.3018

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 461.7 / 73
p0 −51.82 ± 0.8977
pull
Entries 74
Mean 21
Std Dev 16.96

pull1D
Entries 74
Mean 0.4904
Std Dev 2.176

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 168.3 / 73
p0 4.377 ± 0.7136
pull
Entries 74
Mean −49.06
Std Dev 99.23
pull1D
Entries 74
Mean −0.05086
Std Dev 1.507

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 291.9 / 73
p0 −62.27 ± 0.8646
pull
Entries 74
Mean 25.99
Std Dev 16.24

pull1D
Entries 74
Mean −0.3961
Std Dev 1.721

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 180.7 / 73
p0 17.88 ± 0.7439
pull
Entries 74
Mean −7.253
Std Dev 63.92

pull1D
Entries 74
Mean 0.07059
Std Dev 1.561

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 9.058 / 73
p0 0.1552 ± 0.03386
pull
Entries 74
Mean 134
Std Dev 136.1

pull1D
Entries 74
Mean 0.004567
Std Dev 0.3498

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 568.2 / 73
p0 −115.5 ± 2.24
pull
Entries 74
Mean 21.74
Std Dev 17.83
pull1D
Entries 74
Mean 0.5655
Std Dev 2.421

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 225.2 / 73
p0 40.95 ± 1.789
pull
Entries 74
Mean −46.43
Std Dev 93.14

pull1D
Entries 74
Mean −0.07241
Std Dev 1.743

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 454.3 / 73
p0 −75.7 ± 2.157
pull
Entries 74
Mean 24.69
Std Dev 17.12

pull1D
Entries 74
Mean −0.5127
Std Dev 2.15

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 174.9 / 73
p0 186.9 ± 1.863
pull
Entries 74
Mean −7.735
Std Dev 61.94

pull1D
Entries 74
Mean 0.08208
Std Dev 1.535

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 19.27 / 73
p0 −1.059 ± 0.0847
pull
Entries 74
Mean 255.5
Std Dev 239
pull1D
Entries 74
Mean 0.007532
Std Dev 0.5103

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 108.3 / 73
p0 −15.88 ± 1.013
pull
Entries 74
Mean 20.69
Std Dev 23.43
pull1D
Entries 74
Mean 0.1731
Std Dev 1.197

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 50.85 / 73
p0 52.97 ± 0.8139
pull
Entries 74
Mean −25.07
Std Dev 74.04

pull1D
Entries 74
Mean −0.03865
Std Dev 0.828

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 103.4 / 73
p0 25.16 ± 0.9755
pull
Entries 74
Mean 23.06
Std Dev 22.3

pull1D
Entries 74
Mean −0.1694
Std Dev 1.17

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 28.87 / 73
p0 91.27 ± 0.846
pull
Entries 74
Mean 18.45
Std Dev 54.91

pull1D
Entries 74
Mean 0.02974
Std Dev 0.6239

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 13.12 / 73
p0 −0.4194 ± 0.03844
pull
Entries 74
Mean −426.5
Std Dev 453.7
pull1D
Entries 74
Mean −0.00696
Std Dev 0.421

reg_asym_sam6_diff_bpm1X_slope vs run

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 7.004 / 73
p0 35.62 ± 0.747
pull
Entries 74
Mean 23.47
Std Dev 69.66

pull1D
Entries 74
Mean 0.0067
Std Dev 0.3076

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 4.713 / 73
p0 52.55 ± 0.8933
pull
Entries 74
Mean 34.44
Std Dev 61.98

pull1D
Entries 74
Mean 0.01524
Std Dev 0.2519

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 8.242 / 73
p0 77.08 ± 0.7762
pull
Entries 74
Mean 1500
Std Dev 1483

pull1D
Entries 74
Mean 0.0006044
Std Dev 0.3337

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 12.05 / 73
p0 −0.3239 ± 0.03536
pull
Entries 74
Mean −326.6
Std Dev 357.8
pull1D
Entries 74
Mean −0.013
Std Dev 0.4033

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 495.2 / 73
p0 5.764 ± 0.3194
pull
Entries 74
Mean 26.64
Std Dev 6.432

pull1D
Entries 74
Mean 0.5539
Std Dev 2.251

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 215.8 / 73
p0 14.09 ± 0.255
pull
Entries 74
Mean −0.387
Std Dev 62.6

pull1D
Entries 74
Mean −0.07164
Std Dev 1.706

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 418.2 / 73
p0 −44.92 ± 0.3075
pull
Entries 74
Mean 29.98
Std Dev 2.096

pull1D
Entries 74
Mean −0.5149
Std Dev 2.058

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 254.2 / 73
p0 −21.37 ± 0.2656
pull
Entries 74
Mean 21.57
Std Dev 47.99

pull1D
Entries 74
Mean 0.09984
Std Dev 1.851

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 19.11 / 73
p0 0.3681± 0.01211
pull
Entries 74
Mean 265.5
Std Dev 260.2

pull1D
Entries 74
Mean 0.004147
Std Dev 0.5081

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 2181 / 73
p0 −7.414 ± 0.2424
pull
Entries 74
Mean 24.07
Std Dev 13.44

pull1D
Entries 74
Mean 1.357
Std Dev 4.263

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 951 / 73
p0 −32.47 ± 0.1937
pull
Entries 74
Mean −76.8
Std Dev 122.7

pull1D
Entries 74
Mean −0.279
Std Dev 3.362

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2025 / 73
p0 −21.84 ± 0.2334
pull
Entries 74
Mean 25.94
Std Dev 11.82
pull1D
Entries 74
Mean −1.318
Std Dev 4.093

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 962.4 / 73
p0 35.32 ± 0.2017
pull
Entries 74
Mean −23.08
Std Dev 71.42

pull1D
Entries 74
Mean 0.3544
Std Dev 3.367

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 54.2 / 73
p0 0.1643 ± 0.009186
pull
Entries 74
Mean 77.45
Std Dev 88.05

pull1D
Entries 74
Mean 0.0201
Std Dev 0.8556

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 27.68 / 73
p0 −71.73 ± 1.928
pull
Entries 74
Mean −134
Std Dev 174.3
pull1D
Entries 74
Mean 0.02479
Std Dev 0.6111

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 23.06 / 73
p0 0.1449 ± 1.549
pull
Entries 74
Mean 2060
Std Dev 2025

pull1D
Entries 74
Mean 0.0006956
Std Dev 0.5582

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 26.82 / 73
p0 10.37 ± 1.856
pull
Entries 74
Mean −144.2
Std Dev 185

pull1D
Entries 74
Mean −0.02282
Std Dev 0.6016

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 22.65 / 73
p0 22.01 ± 1.61
pull
Entries 74
Mean −308.7
Std Dev 338.9

pull1D
Entries 74
Mean 0.005277
Std Dev 0.5533

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 58.95 / 73
p0 −38.7 ± 0.07334
pull
Entries 74
Mean 294.1
Std Dev 258.5
pull1D
Entries 74
Mean 0.01118
Std Dev 0.8924

reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 83.52 / 73
p0 −45.1 ± 1.903
pull
Entries 74
Mean 38.84
Std Dev 11.93
pull1D
Entries 74
Mean −0.1667
Std Dev 1.049

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 57.34 / 73
p0 −10.6 ± 1.53
pull
Entries 74
Mean −62.03
Std Dev 113.5

pull1D
Entries 74
Mean 0.03197
Std Dev 0.8797

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 86.06 / 73
p0 101.8 ± 1.832
pull
Entries 74
Mean 41.29
Std Dev 12.14

pull1D
Entries 74
Mean 0.1725
Std Dev 1.064

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 62.93 / 73
p0 30.73 ± 1.589
pull
Entries 74
Mean −12.65
Std Dev 72.64

pull1D
Entries 74
Mean −0.04096
Std Dev 0.9212

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 23.34 / 73
p0 −37.1 ± 0.07249
pull
Entries 74
Mean −97.42
Std Dev 147.3

pull1D
Entries 74
Mean −0.01211
Std Dev 0.5615

reg_asym_dsl_diff_bpm1X_slope vs run

reg_asym_dsl_diff_bpm4aY_slope vs run

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 77.55 / 73
p0 0.1824 ± 0.142
pull
Entries 74
Mean −319.1
Std Dev 355.4

pull1D
Entries 74
Mean −0.006838
Std Dev 1.024

reg_asym_dsl_diff_bpm4eY_slope vs run

reg_asym_dsl_diff_bpm12X_slope vs run

reg_asym_dsr_diff_bpm1X_slope vs run

reg_asym_dsr_diff_bpm4aY_slope vs run

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 68.15 / 73
p0 0.0008432 ± 0.1237
pull
Entries 74
Mean 66.91
Std Dev 61.74

pull1D
Entries 74
Mean −0.03125
Std Dev 0.9592

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 64.66 / 73
p0 0.1696 ± 0.1075
pull
Entries 74
Mean 128.2
Std Dev 93.5

pull1D
Entries 74
Mean 0.02278
Std Dev 0.9345

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 60.66 / 73
p0 0.007799 ± 0.004895
pull
Entries 74
Mean 230.4
Std Dev 184

pull1D
Entries 74
Mean 0.007911
Std Dev 0.9054

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 28.12 / 73
p0 −58.49 ± 1.708
pull
Entries 74
Mean 69.83
Std Dev 26.74

pull1D
Entries 74
Mean −0.07658
Std Dev 0.6117

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.85 / 73
p0 −5.174 ± 1.372
pull
Entries 74
Mean −24.31
Std Dev 87.14
pull1D
Entries 74
Mean 0.0158
Std Dev 0.5793

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.53 / 73
p0 56.15 ± 1.644
pull
Entries 74
Mean 70.31
Std Dev 26.69

pull1D
Entries 74
Mean 0.08094
Std Dev 0.6156

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.49 / 73
p0 26.29 ± 1.426
pull
Entries 74
Mean 30
Std Dev 69.82

pull1D
Entries 74
Mean −0.01653
Std Dev 0.6093

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 34.22 / 73
p0 −37.9 ± 0.06501
pull
Entries 74
Mean −1492
Std Dev 1532

pull1D
Entries 74
Mean −0.001618
Std Dev 0.68

reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 160.3 / 73
p0 −13.45 ± 0.8602
pull
Entries 74
Mean 17.51
Std Dev 18.81

pull1D
Entries 74
Mean 0.2201
Std Dev 1.455

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 103 / 73
p0 5.451 ± 0.6917
pull
Entries 74
Mean −91.03
Std Dev 137.3

pull1D
Entries 74
Mean −0.03909
Std Dev 1.179

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 163 / 73
p0 −45.55 ± 0.8283
pull
Entries 74
Mean 20.81
Std Dev 15.2
pull1D
Entries 74
Mean −0.226
Std Dev 1.467

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 104.3 / 73
p0 −4.462 ± 0.7191
pull
Entries 74
Mean −35.44
Std Dev 83.21
pull1D
Entries 74
Mean 0.05714
Std Dev 1.186

reg_asym_us_dd_diff_bpm12X_slope vs run

reg_asym_ds_avg_diff_bpm1X_slope vs run

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 81.58 / 73
p0 −0.1261± 0.07874
pull
Entries 74
Mean 266.9
Std Dev 233

pull1D
Entries 74
Mean −0.01307
Std Dev 1.05

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.72 / 73
p0 0.09389 ± 0.09421
pull
Entries 74
Mean −10.94
Std Dev 66.18

pull1D
Entries 74
Mean −0.02663
Std Dev 0.8193

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.69 / 73
p0 0.09463 ± 0.08183
pull
Entries 74
Mean 326.1
Std Dev 295.2

pull1D
Entries 74
Mean 0.008357
Std Dev 1.018

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 97 / 73
p0 0.0005387 ± 0.003727
pull
Entries 74
Mean 159
Std Dev 93.46

pull1D
Entries 74
Mean −0.007965
Std Dev 1.145

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 103.5 / 73
p0 −0.07697 ± 0.09799
pull
Entries 74
Mean 121.3
Std Dev 105.9

pull1D
Entries 74
Mean −0.01835
Std Dev 1.182

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 93.95 / 73
p0 0.08247 ± 0.07884
pull
Entries 74
Mean 53.68
Std Dev 30.11

pull1D
Entries 74
Mean 0.01412
Std Dev 1.127

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 98.01 / 73
p0 0.09192 ± 0.09435
pull
Entries 74
Mean 191.6
Std Dev 167.5

pull1D
Entries 74
Mean 0.01536
Std Dev 1.151

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 89.26 / 73
p0 −0.08296 ± 0.08193
pull
Entries 74
Mean 62.35
Std Dev 16.48

pull1D
Entries 74
Mean −0.01567
Std Dev 1.098

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 86.86 / 73
p0 −0.006898 ± 0.003731
pull
Entries 74
Mean 165.2
Std Dev 112.4

pull1D
Entries 74
Mean −0.02324
Std Dev 1.083

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 29.29 / 73
p0 −35.96 ± 0.9671
pull
Entries 74
Mean −137.9
Std Dev 178.1

pull1D
Entries 74
Mean 0.02514
Std Dev 0.6287

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 24.03 / 73
p0 0.04644 ± 0.777
pull
Entries 74
Mean 1329
Std Dev 1294

pull1D
Entries 74
Mean 0.0009883
Std Dev 0.5698

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.26 / 73
p0 5.279 ± 0.931
pull
Entries 74
Mean −149.3
Std Dev 189.9

pull1D
Entries 74
Mean −0.02321
Std Dev 0.6176

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.65 / 73
p0 11.01 ± 0.8073
pull
Entries 74
Mean −333.7
Std Dev 364.3

pull1D
Entries 74
Mean 0.004672
Std Dev 0.5653

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 56.6 / 73
p0 −19.36 ± 0.03679
pull
Entries 74
Mean 295.3
Std Dev 261.1
pull1D
Entries 74
Mean 0.01027
Std Dev 0.8745

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 26.69 / 73
p0 −35.77 ± 0.9667
pull
Entries 74
Mean −130
Std Dev 170.4

pull1D
Entries 74
Mean 0.0243
Std Dev 0.6001

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 23.06 / 73
p0 0.0977 ± 0.7767
pull
Entries 74
Mean 3289
Std Dev 3255

pull1D
Entries 74
Mean 0.0004706
Std Dev 0.5582

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.98 / 73
p0 5.095 ± 0.9306
pull
Entries 74
Mean −138.8
Std Dev 179.8

pull1D
Entries 74
Mean −0.02231
Std Dev 0.5921

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.51 / 73
p0 11 ± 0.807
pull
Entries 74
Mean −295.6
Std Dev 325.5

pull1D
Entries 74
Mean 0.005732
Std Dev 0.5515

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 61.97 / 73
p0 −19.35 ± 0.03677
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 74
Mean 292.6
Std Dev 255.9

pull1D
Entries 74
Mean 0.01205
Std Dev 0.915

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 82.33 / 73
p0 −22.56 ± 0.9534
pull
Entries 74
Mean 38.82
Std Dev 13.74

pull1D
Entries 74
Mean −0.1645
Std Dev 1.042

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.85 / 73
p0 −5.412 ± 0.7663
pull
Entries 74
Mean −70.53
Std Dev 121.3
pull1D
Entries 74
Mean 0.031
Std Dev 0.876

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.87 / 73
p0 50.89 ± 0.9178
pull
Entries 74
Mean 41.03
Std Dev 13.66

pull1D
Entries 74
Mean 0.1702
Std Dev 1.057

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 62.42 / 73
p0 15.46 ± 0.7962
pull
Entries 74
Mean −17.25
Std Dev 76.03

pull1D
Entries 74
Mean −0.04019
Std Dev 0.9176

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 23.33 / 73
p0 −18.55 ± 0.03632
pull
Entries 74
Mean −108.5
Std Dev 158

pull1D
Entries 74
Mean −0.01199
Std Dev 0.5613

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 84.6 / 73
p0 −22.54 ± 0.954
pull
Entries 74
Mean 38.87
Std Dev 9.86
pull1D
Entries 74
Mean −0.1682
Std Dev 1.056

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 57.88 / 73
p0 −5.192 ± 0.7667
pull
Entries 74
Mean −53.79
Std Dev 105.9

pull1D
Entries 74
Mean 0.03288
Std Dev 0.8838

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.07 / 73
p0 50.89 ± 0.9183
pull
Entries 74
Mean 41.55
Std Dev 10.46

pull1D
Entries 74
Mean 0.1741
Std Dev 1.071

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.45 / 73
p0 15.27 ± 0.7967
pull
Entries 74
Mean −8.073
Std Dev 69.36

pull1D
Entries 74
Mean −0.04164
Std Dev 0.925

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 23.71 / 73
p0 −18.56 ± 0.03634
pull
Entries 74
Mean −86.63
Std Dev 136.9

pull1D
Entries 74
Mean −0.01217
Std Dev 0.5659

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 337.7 / 73
p0 −11.57 ± 0.3719
pull
Entries 74
Mean 21.2
Std Dev 21.15

pull1D
Entries 74
Mean 0.2953
Std Dev 2.116

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 157.9 / 73
p0 1.984 ± 0.2977
pull
Entries 74
Mean −89.02
Std Dev 134.3

pull1D
Entries 74
Mean −0.04406
Std Dev 1.46

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 318.1 / 73
p0 9.172 ± 0.3581
pull
Entries 74
Mean 23.49
Std Dev 19.92
pull1D
Entries 74
Mean −0.2881
Std Dev 2.053

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 82.28 / 73
p0 50.07 ± 0.3097
pull
Entries 74
Mean −39.51
Std Dev 95.37

pull1D
Entries 74
Mean 0.03659
Std Dev 1.054

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 19.2 / 73
p0 0.004519 ± 0.01406
pull
Entries 74
Mean −382.3
Std Dev 402.2
pull1D
Entries 74
Mean −0.005162
Std Dev 0.5093

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 34.37 / 73
p0 4.187 ± 0.6484
pull
Entries 74
Mean 17.66
Std Dev 30.16
pull1D
Entries 74
Mean −0.09038
Std Dev 0.6755

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.68 / 73
p0 −50.9 ± 0.5219
pull
Entries 74
Mean 16.17
Std Dev 47.4

pull1D
Entries 74
Mean 0.02644
Std Dev 0.474

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.73 / 73
p0 −15.88 ± 0.6242
pull
Entries 74
Mean 20.54
Std Dev 28.75
pull1D
Entries 74
Mean 0.08931
Std Dev 0.6692

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.43 / 73
p0 −41.25 ± 0.5422
pull
Entries 74
Mean 73.73
Std Dev 64.89
pull1D
Entries 74
Mean −0.02044
Std Dev 0.4093

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.48 / 73
p0 0.4232 ± 0.02465
pull
Entries 74
Mean −360.6
Std Dev 390.1

pull1D
Entries 74
Mean 0.009534
Std Dev 0.3938

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 486.9 / 73
p0 −23.01 ± 0.5967
pull
Entries 74
Mean 22.54
Std Dev 14.63

pull1D
Entries 74
Mean 0.5145
Std Dev 2.234

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 186.1 / 73
p0 9.227 ± 0.4747
pull
Entries 74
Mean −33.28
Std Dev 86.29

pull1D
Entries 74
Mean −0.05668
Std Dev 1.585

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 333.4 / 73
p0 −53.63 ± 0.5746
pull
Entries 74
Mean 27.15
Std Dev 13.56
pull1D
Entries 74
Mean −0.4323
Std Dev 1.838

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 205.6 / 73
p0 −1.74 ± 0.4948
pull
Entries 74
Mean 2.39
Std Dev 57.76

pull1D
Entries 74
Mean 0.07888
Std Dev 1.665

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 10.89 / 73
p0 0.2616 ± 0.02253
pull
Entries 74
Mean 167.5
Std Dev 166.2

pull1D
Entries 74
Mean 0.004581
Std Dev 0.3836

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 387.7 / 73
p0 −28.86 ± 0.3131
pull
Entries 74
Mean 17.91
Std Dev 21.15

pull1D
Entries 74
Mean 0.434
Std Dev 1.997

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 128.5 / 73
p0 −4.833 ± 0.2487
pull
Entries 74
Mean −82.28
Std Dev 127.4

pull1D
Entries 74
Mean −0.04179
Std Dev 1.317

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 205.7 / 73
p0 −8.607 ± 0.3015
pull
Entries 74
Mean 23.25
Std Dev 21.43
pull1D
Entries 74
Mean −0.2251
Std Dev 1.652

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 128.6 / 73
p0 19.6 ± 0.2593
pull
Entries 74
Mean −30.55
Std Dev 80.49

pull1D
Entries 74
Mean 0.05607
Std Dev 1.317

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.636 / 73
p0 −0.1064 ± 0.0118
pull
Entries 74
Mean 64.7
Std Dev 82.62

pull1D
Entries 74
Mean 0.004409
Std Dev 0.3212

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 76.44 / 73
p0 −12.13 ± 0.5665
pull
Entries 74
Mean 27.45
Std Dev 13.5

pull1D
Entries 74
Mean 0.1631
Std Dev 1.003

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.28 / 73
p0 11.52 ± 0.4515
pull
Entries 74
Mean 5.253
Std Dev 55.06
pull1D
Entries 74
Mean −0.02619
Std Dev 0.6997

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.41 / 73
p0 −52.85 ± 0.5454
pull
Entries 74
Mean 39.53
Std Dev 15.53
pull1D
Entries 74
Mean −0.1207
Std Dev 0.7827

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.7 / 73
p0 −47.6 ± 0.4704
pull
Entries 74
Mean −43.38
Std Dev 97.34

pull1D
Entries 74
Mean 0.02494
Std Dev 0.8827

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.18 / 73
p0 0.6307 ± 0.02145
pull
Entries 74
Mean −1372
Std Dev 1407

pull1D
Entries 74
Mean 0.001482
Std Dev 0.2646

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.985 / 73
p0 −27.12 ± 1.445
pull
Entries 74
Mean 31.63
Std Dev 27.17
pull1D
Entries 74
Mean 0.06521
Std Dev 0.3615

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.774 / 73
p0 −23.94 ± 1.159
pull
Entries 74
Mean 17.34
Std Dev 13.89

pull1D
Entries 74
Mean −0.02167
Std Dev 0.2531

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.371 / 73
p0 −105.4 ± 1.391
−90
−100
−110
−120
−130
pull
Entries 74
Mean 38.7
Std Dev 29.29
1.5
1
0.5
0
−0.5

pull1D
Entries 74
Mean −0.05789
Std Dev 0.3313
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.404 / 73
p0 −124.9 ± 1.206
pull
Entries 74
Mean −35.92
Std Dev 73.79
pull1D
Entries 74
Mean 0.01928
Std Dev 0.2935

reg_asym_sam_26_dd_diff_bpm12X_slope vs run

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 712.8 / 73
p0 −61.37 ± 1.211
pull
Entries 74
Mean 22.07
Std Dev 17.29

pull1D
Entries 74
Mean 0.6365
Std Dev 2.706

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 286 / 73
p0 4.18 ± 0.9667
pull
Entries 74
Mean −54.57
Std Dev 101.2
pull1D
Entries 74
Mean −0.07666
Std Dev 1.964

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 585.5 / 73
p0 −48.86 ± 1.166
pull
Entries 74
Mean 24.87
Std Dev 16.4

pull1D
Entries 74
Mean −0.5853
Std Dev 2.437

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 233.6 / 73
p0 111.2 ± 1.007
pull
Entries 74
Mean −12.14
Std Dev 65.13

pull1D
Entries 74
Mean 0.09315
Std Dev 1.774

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 22.52 / 73
p0 −0.4475 ± 0.0458
pull
Entries 74
Mean 210.1
Std Dev 195.9

pull1D
Entries 74
Mean 0.009229
Std Dev 0.5516

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 414.1 / 73
p0 −54.17 ± 1.035
pull
Entries 74
Mean 21.24
Std Dev 18.58
pull1D
Entries 74
Mean 0.4797
Std Dev 2.073

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 161.6 / 73
p0 36.77 ± 0.8271
pull
Entries 74
Mean −35.6
Std Dev 82.36

pull1D
Entries 74
Mean −0.0669
Std Dev 1.476

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 317.4 / 73
p0 −26.82 ± 0.9965
pull
Entries 74
Mean 24.41
Std Dev 18.16

pull1D
Entries 74
Mean −0.4251
Std Dev 1.803

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 115.9 / 73
p0 75.76 ± 0.8611
pull
Entries 74
Mean −0.7383
Std Dev 57.23

pull1D
Entries 74
Mean 0.06851
Std Dev 1.25

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 15.78 / 73
p0 −0.6115 ± 0.03913
pull
Entries 74
Mean 345.5
Std Dev 326.3

pull1D
Entries 74
Mean 0.005495
Std Dev 0.4618

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.639 / 73
p0 −27.77 ± 0.2584
pull
Entries 74
Mean −96.92
Std Dev 129.7

pull1D
Entries 74
Mean −0.01456
Std Dev 0.2992

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 8.674 / 73
p0 −12.13 ± 0.3101
pull
Entries 74
Mean 35.35
Std Dev 26.74

pull1D
Entries 74
Mean −0.03911
Std Dev 0.3401

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.03 / 73
p0 −10.91 ± 0.2686
pull
Entries 74
Mean −74.2
Std Dev 108.5

pull1D
Entries 74
Mean 0.0243
Std Dev 0.4025

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 9.798 / 73
p0 0.1581± 0.01221
pull
Entries 74
Mean −237.5
Std Dev 268.4

pull1D
Entries 74
Mean 0.01381
Std Dev 0.3636

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 100.1 / 73
p0 5.732 ± 0.3253
pull
Entries 74
Mean 24.4
Std Dev 2.828

pull1D
Entries 74
Mean −0.1724
Std Dev 1.15

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 35.43 / 73
p0 −3.638 ± 0.2593
pull
Entries 74
Mean 15.62
Std Dev 55.61

pull1D
Entries 74
Mean 0.02962
Std Dev 0.6913

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 48.16 / 73
p0 31.41 ± 0.3132
pull
Entries 74
Mean 32.31
Std Dev 4.474

pull1D
Entries 74
Mean 0.1194
Std Dev 0.7978

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.65 / 73
p0 25.91 ± 0.27
pull
Entries 74
Mean 14.62
Std Dev 47.39

pull1D
Entries 74
Mean −0.05129
Std Dev 1.003

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.925 / 73
p0 −0.1296 ± 0.01229
pull
Entries 74
Mean −297.5
Std Dev 337.8

pull1D
Entries 74
Mean −0.002352
Std Dev 0.1988

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 224.8 / 73
p0 −40.77 ± 0.8252
pull
Entries 74
Mean 23.13
Std Dev 9.769

pull1D
Entries 74
Mean 0.2815
Std Dev 1.72

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.2 / 73
p0 6.482 ± 0.659
pull
Entries 74
Mean −15.66
Std Dev 60.31

pull1D
Entries 74
Mean −0.06486
Std Dev 1.077

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 169.6 / 73
p0 −66.01 ± 0.7947
pull
Entries 74
Mean 27.06
Std Dev 6.565

pull1D
Entries 74
Mean −0.2479
Std Dev 1.493

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 69.97 / 73
p0 −24.59 ± 0.6863
pull
Entries 74
Mean −9.809
Std Dev 59.43

pull1D
Entries 74
Mean 0.05985
Std Dev 0.9706

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.236 / 73
p0 0.1749 ± 0.03128
pull
Entries 74
Mean −444.2
Std Dev 482.5

pull1D
Entries 74
Mean 0.004926
Std Dev 0.2903

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 559.5 / 73
p0 24.74 ± 0.5867
pull
Entries 74
Mean 21.47
Std Dev 19.57

pull1D
Entries 74
Mean −0.5576
Std Dev 2.421

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 223.8 / 73
p0 3.623 ± 0.4692
pull
Entries 74
Mean −59.63
Std Dev 105.2

pull1D
Entries 74
Mean 0.07127
Std Dev 1.738

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 498.9 / 73
p0 −2.096 ± 0.5649
pull
Entries 74
Mean 22.97
Std Dev 19.25

pull1D
Entries 74
Mean 0.5331
Std Dev 2.272

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 165.3 / 73
p0 −79.4 ± 0.4885
pull
Entries 74
Mean −9.144
Std Dev 61.89

pull1D
Entries 74
Mean −0.08318
Std Dev 1.492

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 673.4 / 73
p0 −36.47 ± 0.755
pull
Entries 74
Mean 22.03
Std Dev 17.87

pull1D
Entries 74
Mean 0.6127
Std Dev 2.637

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 276.4 / 73
p0 3.08 ± 0.6031
pull
Entries 74
Mean −59.29
Std Dev 105.7

pull1D
Entries 74
Mean −0.07278
Std Dev 1.931

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 566.9 / 73
p0 −19.84 ± 0.727
pull
Entries 74
Mean 24.72
Std Dev 16.94

pull1D
Entries 74
Mean −0.5694
Std Dev 2.406

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 207.6 / 73
p0 80.64 ± 0.6281
pull
Entries 74
Mean −15.18
Std Dev 68.58

pull1D
Entries 74
Mean 0.08388
Std Dev 1.673

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 23.6 / 73
p0 −0.2218 ± 0.02855
pull
Entries 74
Mean 295.8
Std Dev 280

pull1D
Entries 74
Mean 0.006984
Std Dev 0.5646

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 702.2 / 73
p0 −42.19 ± 0.8572
pull
Entries 74
Mean 22.2
Std Dev 16.47

pull1D
Entries 74
Mean 0.6291
Std Dev 2.683

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 277.3 / 73
p0 6.702 ± 0.6834
pull
Entries 74
Mean −48.49
Std Dev 96.58

pull1D
Entries 74
Mean −0.07401
Std Dev 1.934

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 547.4 / 73
p0 −51.25 ± 0.8256
pull
Entries 74
Mean 25.48
Std Dev 15.57
pull1D
Entries 74
Mean −0.5638
Std Dev 2.354

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 247.9 / 73
p0 54.71 ± 0.7121
pull
Entries 74
Mean −6.851
Std Dev 61.63

pull1D
Entries 74
Mean 0.0947
Std Dev 1.828

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 19.6 / 73
p0 −0.09397 ± 0.0324
pull
Entries 74
Mean 173.2
Std Dev 160.3

pull1D
Entries 74
Mean 0.009938
Std Dev 0.5146

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 460.2 / 73
p0 −11.82 ± 0.2695
pull
Entries 74
Mean 23.73
Std Dev 12.02

pull1D
Entries 74
Mean 0.5095
Std Dev 2.171

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 211.3 / 73
p0 6.732 ± 0.2145
pull
Entries 74
Mean −47.79
Std Dev 97.07

pull1D
Entries 74
Mean −0.05356
Std Dev 1.689

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 346.5 / 73
p0 −21.84 ± 0.2595
pull
Entries 74
Mean 29.75
Std Dev 8.329

pull1D
Entries 74
Mean −0.4452
Std Dev 1.886

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 186.6 / 73
p0 1.251 ± 0.2236
pull
Entries 74
Mean −39.76
Std Dev 95.57

pull1D
Entries 74
Mean 0.0493
Std Dev 1.587

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 13.58 / 73
p0 0.3166 ± 0.01018
pull
Entries 74
Mean −163.2
Std Dev 228.7

pull1D
Entries 74
Mean 0.00312
Std Dev 0.4284

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 262.5 / 73
p0 −17.57 ± 0.5567
pull
Entries 74
Mean 23.89
Std Dev 9.843

pull1D
Entries 74
Mean 0.2808
Std Dev 1.862

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 168.9 / 73
p0 −53.23 ± 0.5361
pull
Entries 74
Mean 30.42
Std Dev 6.576

pull1D
Entries 74
Mean −0.2275
Std Dev 1.493

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 126.9 / 73
p0 −24.67 ± 0.4618
pull
Entries 74
Mean −8.979
Std Dev 67.11
pull1D
Entries 74
Mean 0.05409
Std Dev 1.308

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.965 / 73
p0 0.4469 ± 0.02104
pull
Entries 74
Mean −628.5
Std Dev 680.1

pull1D
Entries 74
Mean 0.001137
Std Dev 0.2839

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 698 / 73
p0 24.88 ± 0.4822
pull
Entries 74
Mean 21.96
Std Dev 16.72

pull1D
Entries 74
Mean −0.6346
Std Dev 2.671

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 271.7 / 73
p0 −1.1 ± 0.3846
pull
Entries 74
Mean −48.79
Std Dev 95.95

pull1D
Entries 74
Mean 0.07768
Std Dev 1.915

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 551.6 / 73
p0 29.04 ± 0.4644
pull
Entries 74
Mean 24.95
Std Dev 15.88

pull1D
Entries 74
Mean 0.5738
Std Dev 2.357

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 252.5 / 73
p0 −30.56 ± 0.4007
pull
Entries 74
Mean −8.887
Std Dev 61.33
pull1D
Entries 74
Mean −0.1015
Std Dev 1.845

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.86 / 73
p0 0.225 ± 0.01823
pull
Entries 74
Mean 153.1
Std Dev 143.2
pull1D
Entries 74
Mean −0.01011
Std Dev 0.5048

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 525.2 / 73
p0 19.12 ± 0.4193
pull
Entries 74
Mean 21.02
Std Dev 20.27

pull1D
Entries 74
Mean −0.535
Std Dev 2.346

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 220.5 / 73
p0 2.537 ± 0.3354
pull
Entries 74
Mean −75.37
Std Dev 119.7

pull1D
Entries 74
Mean 0.06488
Std Dev 1.725

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 486.8 / 73
p0 −2.34 ± 0.4038
pull
Entries 74
Mean 23.04
Std Dev 19.14

pull1D
Entries 74
Mean 0.5232
Std Dev 2.243

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 144.9 / 73
p0 −56.5 ± 0.3491
pull
Entries 74
Mean −30.59
Std Dev 80.48

pull1D
Entries 74
Mean −0.06929
Std Dev 1.398

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 23.03 / 73
p0 0.3519 ± 0.01587
pull
Entries 74
Mean 7076
Std Dev 7061

pull1D
Entries 74
Mean −0.0002622
Std Dev 0.5579

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 10.83 / 73
p0 0.2399 ± 0.3959
pull
Entries 74
Mean −7.952
Std Dev 64.64

pull1D
Entries 74
Mean 0.02588
Std Dev 0.3817

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.977 / 73
p0 48.86 ± 0.3293
pull
Entries 74
Mean 0.7816
Std Dev 27.05

pull1D
Entries 74
Mean −0.005757
Std Dev 0.3283

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 7.647 / 73
p0 −0.3123 ± 0.015
pull
Entries 74
Mean −334
Std Dev 362.9

pull1D
Entries 74
Mean −0.006798
Std Dev 0.3214

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 636.9 / 73
p0 −5.625 ± 0.1696
pull
Entries 74
Mean 22.51
Std Dev 17.83

pull1D
Entries 74
Mean 0.6084
Std Dev 2.584

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 519.7 / 73
p0 −0.2437 ± 0.1633
pull
Entries 74
Mean 22.81
Std Dev 19.5

pull1D
Entries 74
Mean −0.5501
Std Dev 2.324

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 234.3 / 73
p0 22.88 ± 0.1413
pull
Entries 74
Mean 23.1
Std Dev 38.65

pull1D
Entries 74
Mean 0.1227
Std Dev 1.775

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 32.24 / 73
p0 −0.1846 ± 0.006435
pull
Entries 74
Mean 561.5
Std Dev 535.3

pull1D
Entries 74
Mean 0.008396
Std Dev 0.66

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 702.2 / 73
p0 −17.31 ± 0.3766
pull
Entries 74
Mean 22.52
Std Dev 16.13

pull1D
Entries 74
Mean 0.6194
Std Dev 2.687

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 283.7 / 73
p0 5.603 ± 0.3001
pull
Entries 74
Mean −47.88
Std Dev 97.31

pull1D
Entries 74
Mean −0.06915
Std Dev 1.957

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 538.8 / 73
p0 −22.21 ± 0.3627
pull
Entries 74
Mean 26.18
Std Dev 15.16

pull1D
Entries 74
Mean −0.5487
Std Dev 2.345

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 20.87 / 73
p0 0.131 ± 0.01422
pull
Entries 74
Mean 200.6
Std Dev 184.6

pull1D
Entries 74
Mean 0.009655
Std Dev 0.531

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 622.9 / 73
p0 −36.66 ± 0.7405
pull
Entries 74
Mean 22.37
Std Dev 15.66

pull1D
Entries 74
Mean 0.5947
Std Dev 2.524

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 252.6 / 73
p0 7.825 ± 0.5901
pull
Entries 74
Mean −49.52
Std Dev 97.31

pull1D
Entries 74
Mean −0.06922
Std Dev 1.846

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 225 / 73
p0 31.8 ± 0.6149
pull
Entries 74
Mean −15.36
Std Dev 68.78

pull1D
Entries 74
Mean 0.08424
Std Dev 1.742

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 16.06 / 73
p0 0.09149 ± 0.02799
pull
Entries 74
Mean 105.3
Std Dev 110.9

pull1D
Entries 74
Mean 0.007887
Std Dev 0.4658

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 11.72 / 73
p0 0.01976 ± 0.007183
pull
Entries 74
Mean −54.46
Std Dev 128.9

pull1D
Entries 74
Mean −0.005742
Std Dev 0.398

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 655 / 73
p0 −26.98 ± 0.5559
pull
Entries 74
Mean 22.41
Std Dev 15.84
pull1D
Entries 74
Mean 0.6055
Std Dev 2.591

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 233.1 / 73
p0 27.98 ± 0.4616
pull
Entries 74
Mean −11.44
Std Dev 66.43

pull1D
Entries 74
Mean 0.08499
Std Dev 1.773

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 95.35 / 73
p0 −0.7821 ± 2.376
pull
Entries 74
Mean 75.88
Std Dev 29.69
pull1D
Entries 74
Mean −0.08855
Std Dev 1.132

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 63.58 / 73
p0 0.4514 ± 1.912
pull
Entries 74
Mean −787.8
Std Dev 838.9
pull1D
Entries 74
Mean 0.002525
Std Dev 0.9269

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 96.93 / 73
p0 37.79 ± 2.287
pull
Entries 74
Mean 73.98
Std Dev 25.46

pull1D
Entries 74
Mean 0.09258
Std Dev 1.141

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 68.66 / 73
p0 −4.085 ± 1.987
pull
Entries 74
Mean −140.6
Std Dev 194.8

pull1D
Entries 74
Mean −0.01154
Std Dev 0.9631

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 95.43 / 73
p0 −18.51 ± 0.09042
pull
Entries 74
Mean 224.2
Std Dev 174.9

pull1D
Entries 74
Mean 0.021
Std Dev 1.135

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 26.68 / 73
p0 −461.1 ± 11.98
pull
Entries 74
Mean 41.42
Std Dev 12.4
pull1D
Entries 74
Mean −0.08173
Std Dev 0.5948

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 12.82 / 73
p0 −37.8 ± 9.616
pull
Entries 74
Mean −6.77
Std Dev 53.83

pull1D
Entries 74
Mean 0.02329
Std Dev 0.4156

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 26.49 / 73
p0 380.5 ± 11.53
pull
Entries 74
Mean 43.35
Std Dev 12.44

pull1D
Entries 74
Mean 0.08348
Std Dev 0.5924

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 15.01 / 73
p0 203.8 ± 9.992
pull
Entries 74
Mean −7.055
Std Dev 58.52

pull1D
Entries 74
Mean −0.0254
Std Dev 0.4497

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 12.3 / 73
p0 −287.6 ± 0.456
pull
Entries 74
Mean −39.68
Std Dev 64.94

pull1D
Entries 74
Mean 0.02764
Std Dev 0.4067

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 54.21 / 73
p0 –43.6 ± 2.651
pull
Entries 74
Mean –82.66
Std Dev 113.9

pull1D
Entries 74
Mean 0.02772
Std Dev 0.8555

reg_asym_atr1_diff_bpm4aY_slope vs run
χ^2 / ndf 83.94 / 73
p0 10.18 ± 2.133
pull
Entries 74
Mean 83.07
Std Dev 94.83

pull1D
Entries 74
Mean 0.006273
Std Dev 1.065

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 55.52 / 73
p0 −14.96 ± 2.553
pull
Entries 74
Mean −100.9
Std Dev 135.1

pull1D
Entries 74
Mean −0.02565
Std Dev 0.8658

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 86.61 / 73
p0 −18.25 ± 2.217
pull
Entries 74
Mean 175.4
Std Dev 153.8

pull1D
Entries 74
Mean −0.01168
Std Dev 1.082

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 109.4 / 73
p0 −15.18 ± 0.1009
pull
Entries 74
Mean −42.82
Std Dev 73.98

pull1D
Entries 74
Mean 0.02697
Std Dev 1.215

reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 53.79 / 73
p0 −364.1 ± 10.64
−200
−300
−400
−500
−600
pull
Entries 74
Mean 34.07
Std Dev 9.91
3
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.1316
Std Dev 0.8424
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 23.71 / 73
p0 −53 ± 8.542
pull
Entries 74
Mean −93.36
Std Dev 144.3

pull1D
Entries 74
Mean 0.01356
Std Dev 0.5658

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 54.11 / 73
p0 454.3 ± 10.24
700
600
500
400
300
pull
Entries 74
Mean 37.14
Std Dev 10.1
2
1
0
−1
−2
−3

pull1D
Entries 74
Mean 0.1331
Std Dev 0.8447
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 28.04 / 73
p0 200.6 ± 8.876
pull
Entries 74
Mean −23.37
Std Dev 78.95

pull1D
Entries 74
Mean −0.02349
Std Dev 0.6151

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 10.5 / 73
p0 −252.8 ± 0.4051
pull
Entries 74
Mean 16.43
Std Dev 41.47
pull1D
Entries 74
Mean 0.0199
Std Dev 0.3762

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 33.79 / 73
p0 −230.9 ± 6.432
pull
Entries 74
Mean 47.77
Std Dev 11.5

pull1D
Entries 74
Mean −0.09184
Std Dev 0.6695

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.17 / 73
p0 −18.51 ± 5.164
pull
Entries 74
Mean −28.03
Std Dev 76.62

pull1D
Entries 74
Mean 0.02025
Std Dev 0.4671

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 33.98 / 73
p0 209.2 ± 6.191
pull
Entries 74
Mean 49.18
Std Dev 11.62

pull1D
Entries 74
Mean 0.09408
Std Dev 0.6711

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.69 / 73
p0 99.62 ± 5.366
pull
Entries 74
Mean −23.29
Std Dev 76.01

pull1D
Entries 74
Mean −0.02329
Std Dev 0.5153

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 18.95 / 73
p0 −153.1 ± 0.2448
pull
Entries 74
Mean −7.178
Std Dev 3.976
pull1D
Entries 74
Mean 0.02979
Std Dev 0.5052

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 23.37 / 73
p0 230.1 ± 5.763
pull
Entries 74
Mean 31.78
Std Dev 5.743
pull1D
Entries 74
Mean 0.06729
Std Dev 0.5579

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.94 / 73
p0 19.3 ± 4.629
pull
Entries 74
Mean 12.2
Std Dev 31.78

pull1D
Entries 74
Mean −0.02595
Std Dev 0.4173

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.9 / 73
p0 −171.4 ± 5.547
pull
Entries 74
Mean 34.47
Std Dev 7.422
pull1D
Entries 74
Mean −0.06845
Std Dev 0.552

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 13.76 / 73
p0 −104.2 ± 4.81
pull
Entries 74
Mean 9.116
Std Dev 40.12

pull1D
Entries 74
Mean 0.02707
Std Dev 0.4304

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 10.46 / 73
p0 134.5 ± 0.2195
pull
Entries 74
Mean −90.88
Std Dev 122.6

pull1D
Entries 74
Mean −0.023
Std Dev 0.3753

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 48.34 / 73
p0 −204.3 ± 5.713
pull
Entries 74
Mean 40.19
Std Dev 4.854

pull1D
Entries 74
Mean −0.112
Std Dev 0.8004

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.79 / 73
p0 −21.09 ± 4.588
pull
Entries 74
Mean −116.8
Std Dev 172

pull1D
Entries 74
Mean 0.01022
Std Dev 0.6128

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.26 / 73
p0 220 ± 5.499
pull
Entries 74
Mean 43.97
Std Dev 4.121

pull1D
Entries 74
Mean 0.1142
Std Dev 0.8078

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 32.08 / 73
p0 90.8 ± 4.767
pull
Entries 74
Mean −10.71
Std Dev 76.43

pull1D
Entries 74
Mean −0.01999
Std Dev 0.6581

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 23.03 / 73
p0 −134 ± 0.2175
−128
−130
−132
−134
−136
−138
pull
Entries 74
Mean −2.511
Std Dev 20.12
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 74
Mean 0.02245
Std Dev 0.5574
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 60 / 73
p0 159.8 ± 5.245
pull
Entries 74
Mean 29.07
Std Dev 10.47

pull1D
Entries 74
Mean 0.1452
Std Dev 0.8887

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.22 / 73
p0 31.97 ± 4.214
pull
Entries 74
Mean −71.78
Std Dev 118.8

pull1D
Entries 74
Mean −0.01715
Std Dev 0.595

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 59.76 / 73
p0 −234.2 ± 5.049
pull
Entries 74
Mean 31.48
Std Dev 10.35

pull1D
Entries 74
Mean −0.1459
Std Dev 0.8867

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 30.46 / 73
p0 −109.9 ± 4.379
pull
Entries 74
Mean −30.84
Std Dev 79.26

pull1D
Entries 74
Mean 0.02687
Std Dev 0.641

reg_asym_atr_dd_diff_bpm12X_slope vs run

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 64.35 / 73
p0 −22.23 ± 1.816
pull
Entries 74
Mean 165.6
Std Dev 127.6
pull1D
Entries 74
Mean −0.03637
Std Dev 0.9318

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 78.03 / 73
p0 5.372 ± 1.461
pull
Entries 74
Mean −267.3
Std Dev 333.4

pull1D
Entries 74
Mean 0.003875
Std Dev 1.027

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ2 / ndf 65.93 / 73
p0 11.46 ± 1.749
pull
Entries 74
Mean 156.3
Std Dev 116.3
pull1D
Entries 74
Mean 0.04048
Std Dev 0.943

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 80.18 / 73
p0 −11.23 ± 1.518
pull
Entries 74
Mean 23.18
Std Dev 81.8

pull1D
Entries 74
Mean −0.01357
Std Dev 1.041

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 142.6 / 73
p0 −16.84 ± 0.06911
pull
Entries 74
Mean 67.85
Std Dev 38.83
pull1D
Entries 74
Mean 0.03156
Std Dev 1.388

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 81.56 / 73
p0 21.38 ± 1.743
pull
Entries 74
Mean 34.45
Std Dev 28.61
pull1D
Entries 74
Mean −0.081
Std Dev 1.047

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.92 / 73
p0 −4.865 ± 1.403
pull
Entries 74
Mean 622.5
Std Dev 583.4

pull1D
Entries 74
Mean −0.002776
Std Dev 0.979

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 82.88 / 73
p0 26.4 ± 1.678
pull
Entries 74
Mean 32.33
Std Dev 26.78

pull1D
Entries 74
Mean 0.08209
Std Dev 1.055

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 76.45 / 73
p0 7.087 ± 1.458
pull
Entries 74
Mean 3670
Std Dev 3631

pull1D
Entries 74
Mean 0.0007209
Std Dev 1.016

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 59.91 / 73
p0 −1.666 ± 0.06636
pull
Entries 74
Mean −1437
Std Dev 1480
pull1D
Entries 74
Mean −0.002972
Std Dev 0.8998

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 37.57 / 73
p0 −412.5 ± 11.16
pull
Entries 74
Mean 36.92
Std Dev 11.45

pull1D
Entries 74
Mean −0.1068
Std Dev 0.7045

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 16.19 / 73
p0 −45.28 ± 8.959
pull
Entries 74
Mean −37.18
Std Dev 86.64

pull1D
Entries 74
Mean 0.01839
Std Dev 0.4673

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.64 / 73
p0 417.4 ± 10.74
pull
Entries 74
Mean 39.52
Std Dev 11.44

pull1D
Entries 74
Mean 0.1084
Std Dev 0.7049

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.41 / 73
p0 202.1 ± 9.309
pull
Entries 74
Mean −14.84
Std Dev 68.57

pull1D
Entries 74
Mean −0.02442
Std Dev 0.5116

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.867 / 73
p0 −270.2 ± 0.4249
pull
Entries 74
Mean −16.73
Std Dev 31.81

pull1D
Entries 74
Mean 0.02422
Std Dev 0.3644

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 77.97 / 73
p0 48.75 ± 1.915
pull
Entries 74
Mean 17.55
Std Dev 20.06

pull1D
Entries 74
Mean −0.1143
Std Dev 1.02

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 64.86 / 73
p0 −7.542 ± 1.54
pull
Entries 74
Mean 78.18
Std Dev 17.22

pull1D
Entries 74
Mean −0.03045
Std Dev 0.9357

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 76.42 / 73
p0 36.52 ± 1.844
pull
Entries 74
Mean 22.65
Std Dev 17.42

pull1D
Entries 74
Mean 0.1159
Std Dev 1.01

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 66.48 / 73
p0 −1.441 ± 1.601
pull
Entries 74
Mean 58.56
Std Dev 79.66

pull1D
Entries 74
Mean 0.006253
Std Dev 0.9478

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 65.63 / 73
p0 17.4 ± 0.07288
pull
Entries 74
Mean −189.3
Std Dev 224.7

pull1D
Entries 74
Mean −0.02727
Std Dev 0.9414

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 61.31 / 73
p0 −182.5 ± 5.787
pull
Entries 74
Mean 39.78
Std Dev 12.85
pull1D
Entries 74
Mean −0.1381
Std Dev 0.8997

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.11 / 73
p0 −26.16 ± 4.647
pull
Entries 74
Mean −142.9
Std Dev 194.2

pull1D
Entries 74
Mean 0.01142
Std Dev 0.6163

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.37 / 73
p0 246.1 ± 5.57
400
350
300
250
200
150
pull
Entries 74
Mean 42.39
Std Dev 12.37
2
1
0
−1
−2
−3

pull1D
Entries 74
Mean 0.1401
Std Dev 0.9073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.6 / 73
p0 98.1 ± 4.828
pull
Entries 74
Mean −42.26
Std Dev 98.08

pull1D
Entries 74
Mean −0.0217
Std Dev 0.6735

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 18.69 / 73
p0 −135.7 ± 0.2203
pull
Entries 74
Mean 53.95
Std Dev 47.82
pull1D
Entries 74
Mean 0.02211
Std Dev 0.5021

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 48.11 / 73
p0 181.6 ± 5.095
pull
Entries 74
Mean 26.63
Std Dev 9.167

pull1D
Entries 74
Mean 0.1182
Std Dev 0.7976

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.33 / 73
p0 26.88 ± 4.093
pull
Entries 74
Mean −48.16
Std Dev 98.39
pull1D
Entries 74
Mean −0.01592
Std Dev 0.5491

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.65 / 73
p0 −208.2 ± 4.904
pull
Entries 74
Mean 30.27
Std Dev 6.75
pull1D
Entries 74
Mean −0.1191
Std Dev 0.7936

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.31 / 73
p0 −102.6 ± 4.253
pull
Entries 74
Mean −2.686
Std Dev 57.75
pull1D
Entries 74
Mean 0.0252
Std Dev 0.5843

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.442 / 73
p0 117.1 ± 0.1941
pull
Entries 74
Mean −49.12
Std Dev 76.22

pull1D
Entries 74
Mean −0.01502
Std Dev 0.3374

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.56 / 73
p0 −252.7 ± 6.39
pull
Entries 74
Mean 51.29
Std Dev 11.59

pull1D
Entries 74
Mean −0.06759
Std Dev 0.5721

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.9 / 73
p0 −13.52 ± 5.13
100
50
0
−50
−100
pull
Entries 74
Mean −7.736
Std Dev 60.19
1
0.5
0
−0.5
−1
pull1D
Entries 74
Mean 0.01992
Std Dev 0.4775
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.63 / 73
p0 183.1 ± 6.15
pull
Entries 74
Mean 53.8
Std Dev 11.57

pull1D
Entries 74
Mean 0.07002
Std Dev 0.5727

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.71 / 73
p0 92.4 ± 5.331
pull
Entries 74
Mean 4.512
Std Dev 56.78

pull1D
Entries 74
Mean −0.02237
Std Dev 0.5023

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.79 / 73
p0 −151.4 ± 0.2432
pull
Entries 74
Mean −46.32
Std Dev 73.11
pull1D
Entries 74
Mean 0.02937
Std Dev 0.5663

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 31.88 / 73
p0 208.4 ± 5.872
pull
Entries 74
Mean 33.67
Std Dev 15.67

pull1D
Entries 74
Mean 0.09318
Std Dev 0.6497

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.03 / 73
p0 24.31 ± 4.716
pull
Entries 74
Mean −4.886
Std Dev 46.65

pull1D
Entries 74
Mean −0.02618
Std Dev 0.4499

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.54 / 73
p0 −197.4 ± 5.652
pull
Entries 74
Mean 34.95
Std Dev 15.19

pull1D
Entries 74
Mean −0.09412
Std Dev 0.646

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.74 / 73
p0 −111.4 ± 4.901
pull
Entries 74
Mean −15.96
Std Dev 60.43
pull1D
Entries 74
Mean 0.02796
Std Dev 0.4888

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.344 / 73
p0 136.2 ± 0.2236
pull
Entries 74
Mean −35.64
Std Dev 58.39

pull1D
Entries 74
Mean −0.02289
Std Dev 0.335

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 37.26 / 73
p0 194.9 ± 5.345
pull
Entries 74
Mean 29.79
Std Dev 8.855

pull1D
Entries 74
Mean 0.1078
Std Dev 0.7014

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.62 / 73
p0 25.55 ± 4.293
pull
Entries 74
Mean −19.96
Std Dev 66.1

pull1D
Entries 74
Mean −0.02161
Std Dev 0.459

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.88 / 73
p0 −202.8 ± 5.145
pull
Entries 74
Mean 32.27
Std Dev 9.205

pull1D
Entries 74
Mean −0.1088
Std Dev 0.6975

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.23 / 73
p0 −107 ± 4.461
pull
Entries 74
Mean −10.39
Std Dev 59.2

pull1D
Entries 74
Mean 0.02716
Std Dev 0.4956

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.59 / 73
p0 126.7 ± 0.2036
pull
Entries 74
Mean −38.58
Std Dev 62.61

pull1D
Entries 74
Mean −0.01977
Std Dev 0.2741

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 89.05 / 73
p0 35.11 ± 1.325
pull
Entries 74
Mean 24.89
Std Dev 13.34

pull1D
Entries 74
Mean −0.139
Std Dev 1.088

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.2 / 73
p0 −6.161 ± 1.066
pull
Entries 74
Mean 110
Std Dev 59.23
pull1D
Entries 74
Mean −0.02662
Std Dev 0.9667

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.58 / 73
p0 2.766 ± 1.108
pull
Entries 74
Mean 269.5
Std Dev 221.9

pull1D
Entries 74
Mean 0.007467
Std Dev 0.9626

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 69.32 / 73
p0 7.863 ± 0.05044
pull
Entries 74
Mean −325.4
Std Dev 363.3

pull1D
Entries 74
Mean −0.01966
Std Dev 0.9676

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 38.93 / 73
p0 −217.6 ± 5.946
pull
Entries 74
Mean 43.65
Std Dev 9.434

pull1D
Entries 74
Mean −0.1035
Std Dev 0.7179

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.39 / 73
p0 −19.73 ± 4.774
pull
Entries 74
Mean −58.41
Std Dev 110.5

pull1D
Entries 74
Mean 0.01521
Std Dev 0.5116

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 39.48 / 73
p0 214.6 ± 5.723
pull
Entries 74
Mean 46.27
Std Dev 8.971

pull1D
Entries 74
Mean 0.1058
Std Dev 0.7227

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.11 / 73
p0 95.16 ± 4.96
pull
Entries 74
Mean −19.17
Std Dev 77.42
pull1D
Entries 74
Mean −0.02163
Std Dev 0.5584

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 69.29 / 73
p0 −13.66 ± 1.269
pull
Entries 74
Mean −11.31
Std Dev 61.99

pull1D
Entries 74
Mean 0.03058
Std Dev 0.9672

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.88 / 73
p0 1.473 ± 1.021
pull
Entries 74
Mean 43.55
Std Dev 50.69

pull1D
Entries 74
Mean 0.0171
Std Dev 0.9434

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 69 / 73
p0 −5.069 ± 1.222
pull
Entries 74
Mean 7.067
Std Dev 49.34

pull1D
Entries 74
Mean −0.0315
Std Dev 0.9651

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.97 / 73
p0 4.14 ± 1.061
pull
Entries 74
Mean −4.83e+05
Std Dev 4.83e+05

pull1D
Entries 74
Mean −3.07e−06
Std Dev 0.993

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 1797 / 73
p0 −23.08 ± 0.182
pull
Entries 74
Mean 26.98
Std Dev 16.78

pull1D
Entries 74
Mean −0.7711
Std Dev 3.1

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 503.3 / 73
p0 1.283 ± 0.1463
pull
Entries 74
Mean −54.82
Std Dev 90.45

pull1D
Entries 74
Mean 0.1595
Std Dev 2.603

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1781 / 73
p0 21.51 ± 0.1752
pull
Entries 74
Mean 25.37
Std Dev 15.61

pull1D
Entries 74
Mean 0.6609
Std Dev 3.251

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 56.1 / 73
p0 0.07989 ± 0.006929
pull
Entries 74
Mean 102
Std Dev 78.51

pull1D
Entries 74
Mean 0.01129
Std Dev 0.8706

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 1795 / 73
p0 −22.93 ± 0.1809
pull
Entries 74
Mean 26.69
Std Dev 16.68

pull1D
Entries 74
Mean −0.6387
Std Dev 3.255

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 508.7 / 73
p0 1.236 ± 0.1454
pull
Entries 74
Mean −55.45
Std Dev 90.89

pull1D
Entries 74
Mean 0.1601
Std Dev 2.617

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1779 / 73
p0 21.37 ± 0.1742
pull
Entries 74
Mean 25.08
Std Dev 15.5

pull1D
Entries 74
Mean 0.6604
Std Dev 3.251

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 617.6 / 73
p0 −2.926 ± 0.1512
pull
Entries 74
Mean −46.69
Std Dev 82.14

pull1D
Entries 74
Mean −0.2276
Std Dev 2.88

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 56.3 / 73
p0 0.08048 ± 0.006887
pull
Entries 74
Mean 137.1
Std Dev 109

pull1D
Entries 74
Mean 0.01077
Std Dev 0.8722

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 1787 / 73
p0 −23 ± 0.1814
pull
Entries 74
Mean 27.34
Std Dev 16.95
pull1D
Entries 74
Mean −0.7729
Std Dev 3.086

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 498.7 / 73
p0 1.189 ± 0.1458
pull
Entries 74
Mean −54.54
Std Dev 90.35

pull1D
Entries 74
Mean 0.1586
Std Dev 2.591

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1773 / 73
p0 21.4 ± 0.1746
pull
Entries 74
Mean 25.66
Std Dev 15.77

pull1D
Entries 74
Mean 0.66
Std Dev 3.246

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 605.4 / 73
p0 −2.902 ± 0.1516
pull
Entries 74
Mean −45.97
Std Dev 81.7
pull1D
Entries 74
Mean −0.2251
Std Dev 2.851

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 54.47 / 73
p0 0.08021 ± 0.006903
pull
Entries 74
Mean 102.7
Std Dev 77.22

pull1D
Entries 74
Mean 0.014
Std Dev 0.8579

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1791 / 73
p0 −23.47 ± 0.1856
pull
Entries 74
Mean 27.24
Std Dev 16.31

pull1D
Entries 74
Mean −0.6344
Std Dev 3.241

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 490.9 / 73
p0 1.212 ± 0.1492
pull
Entries 74
Mean −51.9
Std Dev 87.36

pull1D
Entries 74
Mean 0.1592
Std Dev 2.571

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1780 / 73
p0 21.84 ± 0.1787
pull
Entries 74
Mean 25.66
Std Dev 15.17

pull1D
Entries 74
Mean 0.6592
Std Dev 3.239

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 600.2 / 73
p0 −2.945 ± 0.1552
pull
Entries 74
Mean −42.14
Std Dev 77.63

pull1D
Entries 74
Mean −0.2287
Std Dev 2.839

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ2 / ndf 79.39 / 73
p0 0.08146 ± 0.007066
pull
Entries 74
Mean 65.61
Std Dev 53.43

pull1D
Entries 74
Mean −0.006441
Std Dev 1.036

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1745 / 73
p0 −23.38 ± 0.1866
pull
Entries 74
Mean 26.88
Std Dev 16.45

pull1D
Entries 74
Mean −0.6148
Std Dev 3.213

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 476.7 / 73
p0 1.331 ± 0.15
pull
Entries 74
Mean −65.01
Std Dev 100.9

pull1D
Entries 74
Mean 0.1443
Std Dev 2.534

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1731 / 73
p0 21.78 ± 0.1796
pull
Entries 74
Mean 25.25
Std Dev 15.24
pull1D
Entries 74
Mean 0.6356
Std Dev 3.205

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 76.11 / 73
p0 0.08563 ± 0.007102
pull
Entries 74
Mean 46.17
Std Dev 23.18
pull1D
Entries 74
Mean 0.02628
Std Dev 1.014