dit_asym_us_avg_mean vs run
χ² / ndf 70.46 / 58
p0 1558 ± 973.1
30000
20000
10000
0
−10000
−20000
pull
Entries 59
Mean −1330
Std Dev 1370
2
1
0
−1
−2
pull1D
Entries 59
Mean −0.0007393
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_avg_rms vs run
χ² / ndf 662 / 58
p0 746.6 ± 0.6881
820
800
780
760
740
720

asym_us_avg_mean vs run
χ² / ndf 66.8 / 58
p0 1886 ± 1418
pull
Entries 59
Mean −37.07
Std Dev 73.24
pull1D
Entries 59
Mean −0.03033
Std Dev 1.064

asym_us_avg_rms vs run
χ² / ndf 1353 / 58
p0 1088 ± 1.003
1250
1200
1150
1100
1050
1000

dit_asym_us_dd_mean vs run
χ² / ndf 53.85 / 58
p0 303.6 ± 958.5
20000
10000
0
−10000
−20000
pull
Entries 59
Mean 17.33
Std Dev 33.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 59
Mean 0.008705
Std Dev 0.9553
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_dd_rms vs run
χ² / ndf 446.4 / 58
p0 735.5 ± 0.6778
790
780
770
760
750
740
730
720
710

asym_us_dd_mean vs run
χ² / ndf 62.08 / 58
p0 2505 ± 1393
pull
Entries 59
Mean −25.68
Std Dev 69.69
pull1D
Entries 59
Mean 0.02119
Std Dev 1.026

asym_us_dd_rms vs run
χ² / ndf 1070 / 58
p0 1069 ± 0.985
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

dit_asym_usl_mean vs run
χ² / ndf 58.5 / 58
p0 1818 ± 1328
pull
Entries 59
Mean 115.8
Std Dev 78.29
pull1D
Entries 59
Mean 0.00779
Std Dev 0.9957

dit_asym_usl_rms vs run
χ² / ndf 391.1 / 58
p0 1019 ± 0.9391
1100
1080
1060
1040
1020
1000
980

asym_usl_mean vs run
χ² / ndf 55.17 / 58
p0 4230 ± 1919
pull
Entries 59
Mean −418.1
Std Dev 443.3
pull1D
Entries 59
Mean −0.001398
Std Dev 0.967

asym_usl_rms vs run
χ² / ndf 935.3 / 58
p0 1472 ± 1.357
1600
1550
1500
1450
1400

dit_asym_usr_mean vs run
χ² / ndf 65.7 / 58
p0 1302 ± 1403
pull
Entries 59
Mean −62.14
Std Dev 103.8
pull1D
Entries 59
Mean −0.008534
Std Dev 1.055

dit_asym_usr_rms vs run
χ² / ndf 764 / 58
p0 1076 ± 0.9918
1180
1160
1140
1120
1100
1080
1060
1040
5439. 0
5439. 1
5440. 1
5440. 4
5441. 0
5441. 3
5441. 6
5442. 5
5443. 2
5443. 5
5444. 1
5444. 4
5445. 1
5445. 4
5449. 0
5450. 1
5451. 2
5453. 2

asym_usr_mean vs run
χ² / ndf 72.35 / 58
p0 −707.1± 2055
pull
Entries 59
Mean −37.26
Std Dev 76.78
pull1D
Entries 59
Mean −0.03219
Std Dev 1.107

asym_usr_rms vs run
χ² / ndf 1424 / 58
p0 1576 ± 1.453
1800
1750
1700
1650
1600
1550
1500
1450
1400

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 67.9 / 58
p0 1.543e+04 ± 7396
pull
Entries 59
Mean 73.43
Std Dev 30.31

pull1D
Entries 59
Mean −0.03243
Std Dev 1.072

dit_asym_at1_avg_rms vs run
χ² / ndf 2741 / 58
p0 5670 ± 5.23
8000
7500
7000
6500
6000
5500

asym_at1_avg_mean vs run
×10^3
χ² / ndf 70.03 / 58
p0 1.617e+04 ± 7441
pull
Entries 59
Mean 69.44
Std Dev 25

pull1D
Entries 59
Mean −0.03364
Std Dev 1.089

asym_at1_avg_rms vs run
χ² / ndf 2694 / 58
p0 5704 ± 5.261
8000
7500
7000
6500
6000
5500

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 72.7 / 58
p0 −1.375e+04 ± 7403
pull
Entries 59
Mean 77.04
Std Dev 21.18

pull1D
Entries 59
Mean 0.02576
Std Dev 1.11

dit_asym_at1_dd_rms vs run
χ² / ndf 2670 / 58
p0 5675 ± 5.235
8000
7500
7000
6500
6000
5500

asym_at1_dd_mean vs run
×10^3
χ² / ndf 77.39 / 58
p0 −1.485e+04 ± 7694
pull
Entries 59
Mean 57.39
Std Dev 24.64

pull1D
Entries 59
Mean 0.02999
Std Dev 1.145

asym_at1_dd_rms vs run

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 49.48 / 58
p0 −2552 ± 3934
pull
Entries 59
Mean 314.6
Std Dev 283.4

pull1D
Entries 59
Mean −0.004922
Std Dev 0.9157

dit_asym_at2_avg_rms vs run
χ2 / ndf 1.044e+04 / 58
p0 3006 ± 2.782
5000
4500
4000
3500
3000

asym_at2_avg_mean vs run
×10^3
χ² / ndf 48.66 / 58
p0 6542 ± 1.228e+04
pull
Entries 59
Mean 4.575
Std Dev 29.04

pull1D
Entries 59
Mean −0.02624
Std Dev 0.9077

asym_at2_avg_rms vs run
χ² / ndf 3700 / 58
p0 9410 ± 8.684
11500
11000
10500
10000
9500
9000
8500
8000

dit_asym_at2_dd_mean vs run
χ² / ndf 44.73 / 58
p0 5581 ± 3549
pull
Entries 59
Mean 269.5
Std Dev 245.2
pull1D
Entries 59
Mean 0.008234
Std Dev 0.8707

dit_asym_at2_dd_rms vs run

asym_at2_dd_mean vs run
×10^3
χ² / ndf 47.84 / 58
p0 −9499 ± 4361
pull
Entries 59
Mean 40.68
Std Dev 39.84

pull1D
Entries 59
Mean −0.02889
Std Dev 0.9

asym_at2_dd_rms vs run

dit_asym_atl_avg_mean vs run
χ² / ndf 45.08 / 58
p0 2399 ± 2541
pull
Entries 59
Mean 18.1
Std Dev 22.08
pull1D
Entries 59
Mean −0.005642
Std Dev 0.8741

dit_asym_atl_avg_rms vs run
χ² / ndf 1.035e+04 / 58
p0 1942 ± 1.797
4500
4000
3500
3000
2500
2000

asym_atl_avg_mean vs run
×10^3
χ² / ndf 50.14 / 58
p0 8082 ± 5570
pull
Entries 59
Mean −14.53
Std Dev 42.38

pull1D
Entries 59
Mean −0.01229
Std Dev 0.9218

asym_atl_avg_rms vs run

dit_asym_atl_dd_mean vs run
χ² / ndf 39.82 / 58
p0 −891.7 ± 2590
pull
Entries 59
Mean 111.6
Std Dev 106.6
pull1D
Entries 59
Mean −0.008276
Std Dev 0.8215

dit_asym_atl_dd_rms vs run

asym_atl_dd_mean vs run
×10^3
χ² / ndf 47.93 / 58
p0 −7265 ± 6667
150
100
50
0
−50
−100
−150
−200
pull
Entries 59
Mean −52.85
Std Dev 75.52
2
1
0
−1
−2

pull1D
Entries 59
Mean 0.01271
Std Dev 0.9012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_rms vs run
χ² / ndf 4248 / 58
p0 5107 ± 4.714
6500
6000
5500
5000
4500

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 76.8 / 58
p0 9893 ± 7964
pull
Entries 59
Mean 112.4
Std Dev 75.18

pull1D
Entries 59
Mean −0.02513
Std Dev 1.141

dit_asym_atr_avg_rms vs run
χ² / ndf 2541 / 58
p0 6106 ± 5.631
8500
8000
7500
7000
6500
6000
5439. 0
5439. 1
5439. 2
5439. 6
5440. 1
5440. 3
5440. 4
5440. 5
5441. 0
5441. 1
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5445. 1
5445. 2
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5445. 8
5446. 0
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 0
5451. 1
5451. 2
5453. 0
5453. 1
5453. 2

asym_atr_avg_mean vs run
×10^3
χ² / ndf 75.45 / 58
p0 1.37e+04 ± 1.115e+04
pull
Entries 59
Mean 40.19
Std Dev 13.2

pull1D
Entries 59
Mean −0.03967
Std Dev 1.13

asym_atr_avg_rms vs run
χ2 / ndf 1757 / 58
p0 8549 ± 7.882
10000
9500
9000
8500
8000

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 57.94 / 58
p0 1.978e+04 ± 7814
pull
Entries 59
Mean 39.98
Std Dev 34.71

pull1D
Entries 59
Mean −0.03358
Std Dev 0.9904

dit_asym_atr_dd_rms vs run
χ^2 / ndf 2406 / 58
p0 5991 ± 5.526
8000
7500
7000
6500
6000

asym_atr_dd_mean vs run
×10^3
χ² / ndf 41.73 / 58
p0 1.856e+04 ± 9253
pull
Entries 59
Mean 121.4
Std Dev 69.05

pull1D
Entries 59
Mean −0.01292
Std Dev 0.8409

asym_atr_dd_rms vs run
χ2 / ndf 1988 / 58
p0 7096 ± 6.543
9000
8500
8000
7500
7000
6500

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 56.06 / 58
p0 9780 ± 4170
100
50
0
−50
−100
pull
Entries 59
Mean 41.5
Std Dev 25.53
3
2
1
0
−1
−2

pull1D
Entries 59
Mean −0.03806
Std Dev 0.9741
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 3038 / 58
p0 3196 ± 2.948
4200
4000
3800
3600
3400
3200
3000

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 39.34 / 58
p0 5461 ± 6839
pull
Entries 59
Mean 1987
Std Dev 1949

pull1D
Entries 59
Mean −0.0006532
Std Dev 0.8165

asym_atl_dd_atr_dd_avg_rms vs run

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 56.87 / 58
p0 −9932 ± 4089
pull
Entries 59
Mean 39.15
Std Dev 45.48

pull1D
Entries 59
Mean 0.0244
Std Dev 0.9815

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2736 / 58
p0 3134 ± 2.891
4200
4000
3800
3600
3400
3200
3000

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 55.41 / 58
p0 −1.242e+04 ± 4285
pull
Entries 59
Mean 65.33
Std Dev 49.96
pull1D
Entries 59
Mean 0.01612
Std Dev 0.969

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2368 / 58
p0 3286 ± 3.03
4200
4000
3800
3600
3400
3200

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 43.58 / 58
p0 1893 ± 3500
pull
Entries 59
Mean 51.17
Std Dev 45.77

pull1D
Entries 59
Mean −0.01755
Std Dev 0.8592

dit_asym_atl1_rms vs run
χ2 / ndf 373.1 / 58
p0 2686 ± 2.475
2900
2850
2800
2750
2700
2650
2600

asym_atl1_mean vs run
×10^3
χ^2 / ndf 42.13 / 58
p0 1473 ± 3731
pull
Entries 59
Mean 154.2
Std Dev 135.2

pull1D
Entries 59
Mean −0.007419
Std Dev 0.845

asym_atl1_rms vs run
χ² / ndf 371.9 / 58
p0 2863 ± 2.638
3050
3000
2950
2900
2850
2800
2750

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 40.74 / 58
p0 3253 ± 3714
pull
Entries 59
Mean 132.4
Std Dev 122.3

pull1D
Entries 59
Mean 0.005929
Std Dev 0.8309

dit_asym_atl2_rms vs run
χ2 / ndf 1.647e+04 / 58
p0 2831 ± 2.626
9000
8000
7000
6000
5000
4000
3000

asym_atl2_mean vs run
×10^3
χ² / ndf 49.57 / 58
p0 1.55e+04 ± 1.17e+04
pull
Entries 59
Mean −32.22
Std Dev 56.24

pull1D
Entries 59
Mean −0.0139
Std Dev 0.9165

asym_atl2_rms vs run
χ2 / ndf 5120 / 58
p0 8959 ± 8.272
12000
11000
10000
9000
8000

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 71.92 / 58
p0 2.921e+04 ± 1.438e+04
400
200
0
−200
−400
pull
Entries 59
Mean 74.93
Std Dev 26.44
3
2
1
0
−1
−2
−3

pull1D
Entries 59
Mean −0.03007
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr1_rms vs run

asym_atr1_mean vs run
×10^3
χ^2 / ndf 75.94 / 58
p0 3.103e+04 ± 1.467e+04
400
200
0
−200
−400
pull
Entries 59
Mean 63.73
Std Dev 0.7213
3
2
1
0
−1
−2
−3

pull1D
Entries 59
Mean −0.03283
Std Dev 1.134
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr1_rms vs run

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 49.44 / 58
p0 −8902 ± 6467
150
100
50
0
−50
−100
−150
pull
Entries 59
Mean −3.995e+04
Std Dev 3.998e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 59
Mean 5.189e−05
Std Dev 0.9154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr2_rms vs run
χ² / ndf 2628 / 58
p0 4958 ± 4.573
5600
5400
5200
5000
4800
4600

asym_atr2_mean vs run
×10^3
χ² / ndf 47.65 / 58
p0 −2852 ± 1.423e+04
pull
Entries 59
Mean 16.06
Std Dev 27.38

pull1D
Entries 59
Mean −0.03171
Std Dev 0.8981

asym_atr2_rms vs run
χ2 / ndf 3200 / 58
p0 1.091e+04 ± 10.07
13500
13000
12500
12000
11500
11000
10500
10000
9500

dit_asym_sam1_mean vs run
χ² / ndf 65.99 / 58
p0 387 ± 188.7
pull
Entries 59
Mean −227.9
Std Dev 259.4

pull1D
Entries 59
Mean 0.0033
Std Dev 1.058

dit_asym_sam1_rms vs run
χ² / ndf 1638 / 58
p0 144.8 ± 0.1335
175
170
165
160
155
150
145
140
135

asym_sam1_mean vs run
χ^2 / ndf 70.44 / 58
p0 205.8 ± 938.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 59
Mean 61.59
Std Dev 27.83
2
1
0
−1
−2
−3

pull1D
Entries 59
Mean −0.01458
Std Dev 1.093
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_rms vs run
χ² / ndf 8553 / 58
p0 717.8 ± 0.6638
900
850
800
750
700
650
600

dit_asym_sam2_mean vs run
χ² / ndf 53.38 / 58
p0 1440 ± 645.6
pull
Entries 59
Mean −206
Std Dev 244.1
pull1D
Entries 59
Mean −0.003151
Std Dev 0.9512

dit_asym_sam2_rms vs run
χ² / ndf 3870 / 58
p0 494.7 ± 0.4565
650
600
550
500
450

asym_sam2_mean vs run
×10^3
χ² / ndf 62.42 / 58
p0 1.152e+04 ± 5465
pull
Entries 59
Mean −390.7
Std Dev 434.8

pull1D
Entries 59
Mean 0.002922
Std Dev 1.029

asym_sam2_rms vs run
χ2 / ndf 5382 / 58
p0 4185 ± 3.865
5200
5000
4800
4600
4400
4200
4000
3800
3600

dit_asym_sam3_mean vs run
χ² / ndf 65.1 / 58
p0 135.2 ± 202.3
pull
Entries 59
Mean 25.13
Std Dev 24.06
pull1D
Entries 59
Mean −0.04348
Std Dev 1.049

dit_asym_sam3_rms vs run

asym_sam3_mean vs run
χ² / ndf 52.43 / 58
p0 4893 ± 1933
pull
Entries 59
Mean −1261
Std Dev 1313
pull1D
Entries 59
Mean 0.0007879
Std Dev 0.9426

asym_sam3_rms vs run
χ² / ndf 9721 / 58
p0 1477 ± 1.367
2200
2000
1800
1600
1400
1200

dit_asym_sam4_mean vs run
χ² / ndf 65.33 / 58
p0 −497.1 ± 333
10000
5000
0
−5000
−10000
pull
Entries 59
Mean 42.17
Std Dev 51.95
pull1D
Entries 59
Mean −0.01405
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam4_rms vs run
χ2 / ndf 3.243e+04 / 58
p0 252 ± 0.2355
700
600
500
400
300
200

asym_sam4_mean vs run
χ² / ndf 52.56 / 58
p0 5433 ± 2533
pull
Entries 59
Mean −39.23
Std Dev 100.3

pull1D
Entries 59
Mean 0.008009
Std Dev 0.9439

asym_sam4_rms vs run
χ² / ndf 8351 / 58
p0 1937 ± 1.791
2800
2600
2400
2200
2000
1800

dit_asym_sam5_mean vs run
χ² / ndf 43.79 / 58
p0 −159.3 ± 118.2
pull
Entries 59
Mean −174
Std Dev 210.4

pull1D
Entries 59
Mean 0.007973
Std Dev 0.8614

dit_asym_sam5_rms vs run
χ² / ndf 5996 / 58
p0 90.46 ± 0.08356
140
130
120
110
100
90
80

asym_sam5_mean vs run
χ² / ndf 73.22 / 58
p0 −117.2 ± 745.7
pull
Entries 59
Mean 28.8
Std Dev 9.089
pull1D
Entries 59
Mean 0.008324
Std Dev 1.114

asym_sam5_rms vs run
χ2 / ndf 9710 / 58
p0 569.9 ± 0.5273
750
700
650
600
550
500

dit_asym_sam6_mean vs run
χ² / ndf 34.88 / 58
p0 −218.6 ± 120
pull
Entries 59
Mean −109.7
Std Dev 126.6

pull1D
Entries 59
Mean 0.005944
Std Dev 0.7689

dit_asym_sam6_rms vs run
χ² / ndf 7609 / 58
p0 91.78 ± 0.08483
130
120
110
100
90
80

asym_sam6_mean vs run
χ² / ndf 71.89 / 58
p0 −693.4 ± 474.6
15000
10000
5000
0
−5000
−10000
pull
Entries 59
Mean 51.95
Std Dev 52.21
3
2
1
0
−1
−2
pull1D
Entries 59
Mean 0.007207
Std Dev 1.104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam6_rms vs run
χ² / ndf 6283 / 58
p0 363.3 ± 0.3356
460
440
420
400
380
360
340
320

dit_asym_sam7_mean vs run
χ² / ndf 39.28 / 58
p0 −281.8 ± 158.8
pull
Entries 59
Mean 1833
Std Dev 1776

pull1D
Entries 59
Mean −0.0002704
Std Dev 0.816

dit_asym_sam7_rms vs run
χ² / ndf 3.398e+04 / 58
p0 120.1 ± 0.1123
300
250
200
150
100

asym_sam7_mean vs run
χ^2 / ndf 50.99 / 58
p0 831.9 ± 537.5
pull
Entries 59
Mean −325.1
Std Dev 371.1

pull1D
Entries 59
Mean 0.003901
Std Dev 0.9297

asym_sam7_rms vs run
χ2 / ndf 8259 / 58
p0 411.1 ± 0.3801
550
500
450
400
350

dit_asym_sam8_mean vs run
χ² / ndf 66.28 / 58
p0 −171.8 ± 106.6
2000
0
−2000
−4000
−6000
pull
Entries 59
Mean 1.596
Std Dev 7.393
pull1D
Entries 59
Mean −0.04002
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam8_rms vs run
χ2 / ndf 5.374e+04 / 58
p0 79.95 ± 0.0754
200
180
160
140
120
100
80
60

asym_sam8_mean vs run
χ² / ndf 55.43 / 58
p0 501.7 ± 348.9
10000
5000
0
−5000
−10000
pull
Entries 59
Mean 120.5
Std Dev 51.76
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 59
Mean −0.00733
Std Dev 0.9693
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_rms vs run
χ^2 / ndf 9085 / 58
p0 266.7 ± 0.2467
400
380
360
340
320
300
280
260
240
220

dit_usl_4aX_slope vs run
χ² / ndf 2.67e−26 / 58
p0 −127.7 ± 0.8696
−120
−122
−124
−126
−128
−130
−132
−134
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10⁻¹⁵
0
−5
−10
−15
−20

pull1D
Entries 59
Mean −2.127e−14
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ^2 / ndf 0 / 58
p0 78.35 ± 0.7801
84
82
80
78
76
74
72
pull
Entries 59
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 59
Mean 0
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run
χ^2 / ndf 3.411e−25 / 58
p0 −32.69 ± 0.0365
−32.4
−32.5
−32.6
−32.7
−32.8
−32.9
−33
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^−15
70
60
50
40
30
20
10
0

pull1D
Entries 59
Mean 7.604e−14
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4aY_slope vs run
χ^2 / ndf 2.989e−28 / 58
p0 5.687 ± 0.5137
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 2.251e−15
Std Dev 4.585e−23

dit_usl_4eY_slope vs run
χ^2 / ndf 1.228e−28 / 58
p0 6.407 ± 0.561
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 1.443e−15
Std Dev 5.615e−23

dit_usr_4aX_slope vs run
χ^2 / ndf 4.162e−27 / 58
p0 −255 ± 2.203
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 8.399e−15
Std Dev 0

dit_usr_4eX_slope vs run
χ^2 / ndf 6.887e−26 / 58
p0 330.8 ± 1.949
345
340
335
330
325
320
315
5439. 0
5439. 1
5439. 6
5440. 1
5440. 3
5440. 4
5440. 5
5441. 0
5441. 2
5441. 3
5441. 4
5441. 5
5441. 6
5442. 0
5442. 1
5442. 2
5442. 3
5442. 4
5442. 5
5443. 0
5443. 1
5443. 2
5443. 3
5443. 4
5443. 5
5443. 6
5444. 1
5444. 2
5444. 3
5444. 4
5444. 5
5445. 1
5445. 3
5445. 4
5445. 5
5445. 6
5445. 7
5446. 8
5447. 0
5447. 1
5448. 0
5449. 0
5449. 1
5450. 0
5450. 1
5451. 1
5451. 2
5453. 0
5453. 1
5453. 2
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 59
Mean 29.5
Std Dev 17.03
pull1D
Entries 59
Mean −3.417e−14
Std Dev1.271e−21
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 2.973e−30 / 58
p0 1.439 ± 0.7727
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 2.245e−16
Std Dev 1.364e−23

dit_usr_4eY_slope vs run
χ^2 / ndf 4.141e−30 / 58
p0 8.822 ± 0.873
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −2.649e−16
Std Dev1.552e−23

dit_atl1_4aX_slope vs run
χ^2 / ndf 5.94e−26 / 58
p0 232.3 ± 1.516
245
240
235
230
225
220
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^-15
30
25
20
15
10
5
0

pull1D
Entries 59
Mean 3.173e−14
Std Dev 1.467e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eX_slope vs run
χ^2 / ndf 0 / 58
p0 −241.5 ± 1.301
−230
−235
−240
−245
−250
pull
Entries 59
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 59
Mean 0
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_11X12X_slope vs run
χ^2 / ndf 3.323e−25 / 58
p0 43.72 ± 0.06163
44.2
44
43.8
43.6
43.4
43.2
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^-15
70
60
50
40
30
20
10
0

pull1D
Entries 59
Mean 7.505e−14
Std Dev 3.882e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aY_slope vs run
χ^2 / ndf 1.027e−31 / 58
p0 0.247 ± 1.126
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −4.172e−17
Std Dev 2.265e−24

dit_atl1_4eY_slope vs run
χ^2 / ndf 8.419e−30 / 58
p0 −22.39 ± 1.224
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −3.777e−16
Std Dev 4.679e−24

dit_atl2_4aX_slope vs run
χ^2 / ndf 5.294e−26 / 58
p0 −1555 ± 4.941
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 2.995e−14
Std Dev 7.336e−22

dit_atl2_4eX_slope vs run

dit_atl2_11X12X_slope vs run
χ^2 / ndf 6.317e−26 / 58
p0 −335.5 ± 0.2262
−333.5
−334
−334.5
−335
−335.5
−336
−336.5
−337
−337.5
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^−15
30
25
20
15
10
5
0

pull1D
Entries 59
Mean 3.272e−14
Std Dev 5.989e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run
χ^2 / ndf 2.259e−28 / 58
p0 69.51 ± 1.891
85
80
75
70
65
60
55
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^-15
0
−0.5
−1
−1.5
−2

pull1D
Entries 59
Mean −1.957e−15
Std Dev 7.487e−23
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 1.298e−29 / 58
p0 53.2 ± 1.972
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −4.691e−16
Std Dev 1.146e−23

dit_atr1_4aX_slope vs run
χ² / ndf 6.209e−28 / 58
p0 −505 ± 13.69
−400
−450
−500
−550
−600
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 59
Mean 3.244e−15
Std Dev 1.834e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eX_slope vs run
χ2 / ndf 4.972e−27 / 58
p0 486 ± 12.09
580
560
540
520
500
480
460
440
420
400
380
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10−15
9
8
7
6
5
4
3
2
1
0

pull1D
Entries 59
Mean 9.18e−15
Std Dev 2.118e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run
χ^2 / ndf 2.812e−28 / 58
p0 −93.86 ± 0.8474
−88
−90
−92
−94
−96
−98
−100
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^−15
0
−0.5
−1
−1.5
−2

pull1D
Entries 59
Mean −2.183e−15
Std Dev 0
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aY_slope vs run
χ² / ndf 8.397e−30 / 58
p0 92.9 ± 9.808
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 3.773e−16
Std Dev 2.195e−23

dit_atr1_4eY_slope vs run
χ² / ndf 2.308e−28 / 58
p0 −90.32 ± 10.29
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 1.978e−15
Std Dev 0

dit_atr2_4aX_slope vs run
χ^2 / ndf 8.158e−26 / 58
p0 −2173 ± 7.961
−2120
−2140
−2160
−2180
−2200
−2220
−2240
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^-15
35
30
25
20
15
10
5
0

pull1D
Entries 59
Mean 3.718e−14
Std Dev 1.198e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run

dit_atr2_11X12X_slope vs run
χ^2 / ndf 6.175e−25 / 58
p0 −438.3 ± 0.217
−436.5
−437
−437.5
−438
−438.5
−439
−439.5
−440
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^-12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 59
Mean 1.023e−13
Std Dev 2.934e−21
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aY_slope vs run
χ^2 / ndf 3.245e−28 / 58
p0 38.27 ± 1.578
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −2.345e−15
Std Dev1.091e−22

dit_atr2_4eY_slope vs run
χ^2 / ndf 4.342e−27 / 58
p0 160.7 ± 1.725
175
170
165
160
155
150
145
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8
−9

pull1D
Entries 59
Mean −8.579e−15
Std Dev 2.368e−22
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

dit_sam1_11X12X_slope vs run
χ^2 / ndf 1.499e−28 / 58
p0 0.2933 ± 0.02267
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 1.594e−15
Std Dev 9.169e−23

dit_sam1_4aY_slope vs run
χ^2 / ndf 1.966e−28 / 58
p0 −37.61 ± 0.5067
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −1.826e−15
Std Dev1.059e−22

dit_sam1_4eY_slope vs run

dit_sam2_4aX_slope vs run

dit_sam2_4eX_slope vs run
χ^2 / ndf 2.754e−26 / 58
p0 −363.5 ± 2.055
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −2.16e−14
Std Dev 9.932e−22

dit_sam2_11X12X_slope vs run
χ^2 / ndf 5.175e−29 / 58
p0 1.158 ± 0.2161
pull
Entries 59
Mean 29.5
Std Dev 17.03
pull1D
Entries 59
Mean 9.365e−16
Std Dev 4.952e−23

dit_sam2_4aY_slope vs run
χ² / ndf 4e−27 / 58
p0 54.15 ± 1.348
65
60
55
50
45
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

pull1D
Entries 59
Mean 8.234e−15
Std Dev 4.235e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eY_slope vs run
χ^2 / ndf 1.895e−27 / 58
p0 −360 ± 1.306
−350
−355
−360
−365
−370
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^−15
5
4
3
2
1
0

pull1D
Entries 59
Mean 5.668e−15
Std Dev 2.118e−22
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
χ^2 / ndf 7.715e−27 / 58
p0 −87.94 ± 2.103
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −1.144e−14
Std Dev3.668e−22

dit_sam3_11X12X_slope vs run

dit_sam3_4aY_slope vs run
χ^2 / ndf 1.538e−31 / 58
p0 0.1054 ± 0.3893
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 5.105e−17
Std Dev 2.109e−24

dit_sam3_4eY_slope vs run

dit_sam4_4aX_slope vs run
χ^2 / ndf 7.156e−29 / 58
p0 −21.55 ± 3.36
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 1.101e−15
Std Dev4.772e−23

dit_sam4_4eX_slope vs run

dit_sam4_11X12X_slope vs run

dit_sam4_4aY_slope vs run

dit_sam4_4eY_slope vs run

dit_sam5_4aX_slope vs run

dit_sam5_4eX_slope vs run

dit_sam5_11X12X_slope vs run

dit_sam5_4aY_slope vs run
χ^2 / ndf 5.674e−27 / 58
p0 61.32 ± 0.4717
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −9.806e−15
Std Dev4.101e−22

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.269e−27 / 58
p0 11.53 ± 0.399
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 4.637e−15
Std Dev 2.699e−22

dit_sam6_4aX_slope vs run

dit_sam6_4eX_slope vs run

dit_sam6_11X12X_slope vs run
χ^2 / ndf 1.246e−28 / 58
p0 1.073 ± 0.07956
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 1.453e−15
Std Dev 5.919e−23

dit_sam6_4aY_slope vs run
χ^2 / ndf 1.658e−26 / 58
p0 48.13 ± 0.2759
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 1.676e−14
Std Dev 8.201e−22

dit_sam6_4eY_slope vs run

dit_sam7_4aX_slope vs run
χ^2 / ndf 0 / 58
p0 51.7 ± 0.268
pull
Entries 59
Mean 0
Std Dev 0

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam7_4eX_slope vs run

dit_sam7_11X12X_slope vs run
χ^2 / ndf 9.155e−29 / 58
p0 0.1476 ± 0.0145
0.25
0.2
0.15
0.1
0.05
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^−15
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

pull1D
Entries 59
Mean −1.246e−15
Std Dev 6.208e−23
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aY_slope vs run
χ² / ndf 1.378e−28 / 58
p0 4.636 ± 0.1513
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −1.528e−15
Std Dev7.003e−23

dit_sam7_4eY_slope vs run
χ^2 / ndf 1.081e−27 / 58
p0 −5.08 ± 0.1621
−4
−4.5
−5
−5.5
−6
−6.5
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^−15

pull1D
Entries 59
Mean 4.28e−15
Std Dev 1.674e−22

dit_sam8_4aX_slope vs run
χ^2 / ndf 2.183e−26 / 58
p0 52.52 ± 0.7213
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean 1.924e−14
Std Dev 5.187e−22

dit_sam8_4eX_slope vs run

dit_sam8_11X12X_slope vs run

dit_sam8_4aY_slope vs run
χ² / ndf 4.575e−27 / 58
p0 −49.34 ± 0.3152
pull
Entries 59
Mean 29.5
Std Dev 17.03

pull1D
Entries 59
Mean −8.805e−15
Std Dev 4.735e−22

dit_sam8_4eY_slope vs run
χ^2 / ndf 6.144e−28 / 58
p0 47.09 ± 0.2867
49
48
47
46
45
pull
Entries 59
Mean 29.5
Std Dev 17.03
×10^-15
0
−0.5
−1
−1.5
−2
−2.5
−3

pull1D
Entries 59
Mean −3.227e−15
Std Dev 1.715e−22
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil1_mean vs run

dit_4aX_coil1_err_mean vs run

dit_4aX_coil1_Ndata_mean vs run

dit_4eX_coil1_mean vs run

dit_4eX_coil1_err_mean vs run

dit_4eX_coil1_Ndata_mean vs run

dit_11X12X_coil1_mean vs run

dit_11X12X_coil1_err_mean vs run

dit_11X12X_coil1_Ndata_mean vs run

dit_4aY_coil1_mean vs run
χ² / ndf 2.047e+32 / 58
p0 2.674 ± 1.302e−16
pull
Entries 59
Mean −3.327e+08
Std Dev 3.327e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aY_coil1_err_mean vs run
χ² / ndf 1.667e+32 / 58
p0 2.178 ± 1.302e−16
pull
Entries 59
Mean −1.039e+09
Std Dev 1.039e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aY_coil1_Ndata_mean vs run

dit_4eY_coil1_mean vs run

dit_4eY_coil1_err_mean vs run

dit_4eY_coil1_Ndata_mean vs run

dit_usl_coil1_mean vs run
χ² / ndf inf / 58
p0 1.126e+04 ± 1.302e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 59
Mean −1.839e+09
Std Dev 1.839e+09
×10¹⁸
4
2
0
−2
−4
−6
−8
−10
−12

pull1D
Entries 59
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_usl_coil1_err_mean vs run
χ² / ndf 1.105e+37 / 58
p0 551.9 ± 1.302e−16
pull
Entries 59
Mean 1.244e+10
Std Dev 1.244e+10

pull1D
Entries 59
Mean 0
Std Dev 0

dit_usl_coil1_Ndata_mean vs run

dit_usr_coil1_mean vs run
χ² / ndf inf / 58
p0 −1.508e+04 ± 1.302e−16
0
−5000
−10000
−15000
−20000
pull
Entries 59
Mean −1.761e+09
Std Dev 1.761e+09
×10¹⁸
15
10
5
0
−5
pull1D
Entries 59
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_usr_coil1_err_mean vs run
χ² / ndf 1.573e+37 / 58
p0 673.4 ± 1.302e−16
pull
Entries 59
Mean −1.67e+09
Std Dev 1.67e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 4.439e+37 / 58
p0 907.3 ± 1.302e−16
pull
Entries 59
Mean 2.034e+09
Std Dev 2.034e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl1_coil1_mean vs run
χ² / ndf 5.781e+37 / 58
p0 978.7 ± 1.302e−16
4000
3000
2000
1000
0
pull
Entries 59
Mean 4.092e+10
Std Dev 4.092e+10
×10¹⁵
3500
3000
2500
2000
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_atl1_coil1_err_mean vs run
χ² / ndf 1.439e+37 / 58
p0 603.7 ± 1.302e−16
pull
Entries 59
Mean 6.298e+08
Std Dev 6.298e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl1_coil1_Ndata_mean vs run

dit_atl2_coil1_mean vs run
χ² / ndf inf / 58
p0 4.87e+04 ± 1.302e−16
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 59
Mean −6.607e+08
Std Dev 6.607e+08
×10¹⁸
20
10
0
−10
−20
−30
−40
−50
pull1D
Entries 59
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_atl2_coil1_err_mean vs run
χ² / ndf inf / 58
p0 3300 ± 1.302e−16
8000
6000
4000
2000
0
pull
Entries 59
Mean −8.021e+08
Std Dev 8.021e+08
5000
4000
3000
2000
1000
0
−1000
−2000
−3000

pull1D
Entries 59
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_atl2_coil1_Ndata_mean vs run

dit_atr1_coil1_mean vs run

dit_atr1_coil1_err_mean vs run
χ² / ndf 1.976e+38 / 58
p0 2212 ± 1.302e−16
pull
Entries 59
Mean 5.473e+08
Std Dev 5.473e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atr1_coil1_Ndata_mean vs run

dit_atr2_coil1_mean vs run
χ² / ndf inf / 58
p0 –6902 ± 1.302e–16
pull
Entries 59
Mean –2.07e+09
Std Dev 2.07e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_atr2_coil1_err_mean vs run

dit_atr2_coil1_Ndata_mean vs run

dit_sam1_coil1_mean vs run
χ^2 / ndf 9.14e+36 / 58
p0 520.2 ± 1.302e−16
pull
Entries 59
Mean −7.001e+08
Std Dev 7.001e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.386e+36 / 58
p0 208.8 ± 1.302e−16
pull
Entries 59
Mean 6.506e+08
Std Dev 6.506e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 4.439e+37 / 58
p0 907.3 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean 2.034e+09
Std Dev 2.034e+09
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam2_coil1_mean vs run
χ² / ndf inf / 58
p0 5.808e+04 ± 1.302e−16
80000
60000
40000
20000
0
pull
Entries 59
Mean 8.593e+08
Std Dev 8.593e+08
×10¹⁸
30
20
10
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 59
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_sam2_coil1_err_mean vs run
χ² / ndf 1.88e+38 / 58
p0 2343 ± 1.302e−16
pull
Entries 59
Mean 1.487e+09
Std Dev 1.487e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam2_coil1_Ndata_mean vs run

dit_sam3_coil1_mean vs run

dit_sam3_coil1_err_mean vs run
χ² / ndf 3.844e+37 / 58
p0 1051± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −6.982e+08
Std Dev 6.982e+08
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam3_coil1_Ndata_mean vs run
χ² / ndf 4.439e+37 / 58
p0 907.3 ± 1.302e−16
pull
Entries 59
Mean 2.034e+09
Std Dev 2.034e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam4_coil1_mean vs run
χ² / ndf inf / 58
p0 2.499e+04 ± 1.302e−16
50000
40000
30000
20000
10000
0
pull
Entries 59
Mean −7.765e+08
Std Dev 7.765e+08
×10¹⁸
20
10
0
−10
−20

pull1D
Entries 59
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_sam4_coil1_err_mean vs run
χ² / ndf 5.035e+37 / 58
p0 1190 ± 1.302e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −4.641e+08
Std Dev 4.641e+08
×10¹⁵
1500
1000
500
0
−500
−1000
pull1D
Entries 59
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_sam4_coil1_Ndata_mean vs run
χ² / ndf 4.439e+37 / 58
p0 907.3 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean 2.034e+09
Std Dev 2.034e+09
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam5_coil1_mean vs run
χ² / ndf 3.786e+37 / 58
p0 −1213 ± 1.302e−16
0
−500
−1000
−1500
−2000
pull
Entries 59
Mean −1.313e+09
Std Dev 1.313e+09
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam5_coil1_err_mean vs run
χ² / ndf 8.219e+35 / 58
p0 157 ± 1.302e−16
400
300
200
100
0
pull
Entries 59
Mean 9.465e+08
Std Dev 9.465e+08
×10¹⁵
250
200
150
100
50
0
−50
−100
−150

pull1D
Entries 59
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_sam5_coil1_Ndata_mean vs run
χ² / ndf 4.439e+37 / 58
p0 907.3 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean 2.034e+09
Std Dev 2.034e+09
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam6_coil1_mean vs run
χ² / ndf 1.043e+38 / 58
p0 −1825 ± 1.302e−16
pull
Entries 59
Mean −1.831e+09
Std Dev 1.831e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam6_coil1_err_mean vs run

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 4.439e+37 / 58
p0 907.3 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean 2.034e+09
Std Dev 2.034e+09
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam7_coil1_mean vs run
χ² / ndf inf / 58
p0 6716 ± 1.302e−16
10000
8000
6000
4000
2000
0
pull
Entries 59
Mean −3.698e+08
Std Dev 3.698e+08
×10¹⁵
2000
0
−2000
−4000
−6000

pull1D
Entries 59
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_sam7_coil1_err_mean vs run

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 4.439e+37 / 58
p0 907.3 ± 1.302e−16
pull
Entries 59
Mean 2.034e+09
Std Dev 2.034e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam8_coil1_mean vs run

dit_sam8_coil1_err_mean vs run
χ² / ndf 9.598e+35 / 58
p0 177.5 ± 1.302e−16
pull
Entries 59
Mean −1.104e+09
Std Dev 1.104e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 4.439e+37 / 58
p0 907.3 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean 2.034e+09
Std Dev 2.034e+09
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_4aX_coil3_mean vs run
χ^2 / ndf 7.194e+33 / 58
p0 −16.57 ± 1.302e−16
pull
Entries 59
Mean −2.631e+09
Std Dev 2.631e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aX_coil3_err_mean vs run

dit_4aX_coil3_Ndata_mean vs run

dit_4eX_coil3_mean vs run

dit_4eX_coil3_err_mean vs run
χ^2 / ndf 1.034e+33 / 58
p0 5.693 ± 1.302e−16
pull
Entries 59
Mean −5.869e+08
Std Dev 5.869e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_4eX_coil3_Ndata_mean vs run

dit_11X12X_coil3_mean vs run

dit_11X12X_coil3_err_mean vs run

dit_11X12X_coil3_Ndata_mean vs run

dit_4aY_coil3_mean vs run
χ² / ndf 5.592e+32 / 58
p0 4.74 ± 1.302e−16
pull
Entries 59
Mean −1.156e+09
Std Dev 1.156e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aY_coil3_err_mean vs run

dit_4aY_coil3_Ndata_mean vs run

dit_4eY_coil3_mean vs run
χ² / ndf 5.518e+32 / 58
p0 4.704 ± 1.302e−16
pull
Entries 59
Mean −1.146e+09
Std Dev 1.146e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_4eY_coil3_err_mean vs run

dit_4eY_coil3_Ndata_mean vs run

dit_usl_coil3_mean vs run
χ² / ndf 9.039e+37 / 58
p0 1913 ± 1.302e−16
pull
Entries 59
Mean −9.591e+08
Std Dev 9.591e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_usl_coil3_err_mean vs run
χ² / ndf 6.528e+36 / 58
p0 431.9 ± 1.302e−16
pull
Entries 59
Mean −4.881e+09
Std Dev 4.881e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_usl_coil3_Ndata_mean vs run
χ^2 / ndf 2.55e+37 / 58
p0 857.6 ± 1.302e−16
pull
Entries 59
Mean 1.663e+10
Std Dev 1.663e+10

pull1D
Entries 59
Mean 0
Std Dev 0

dit_usr_coil3_mean vs run
χ² / ndf 1.445e+38 / 58
p0 −2419 ± 1.302e−16
pull
Entries 59
Mean 3.197e+08
Std Dev 3.197e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_usr_coil3_err_mean vs run
χ² / ndf 7.017e+36 / 58
p0 468.6 ± 1.302e−16
pull
Entries 59
Mean 2.931e+09
Std Dev 2.931e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 2.55e+37 / 58
p0 857.6 ± 1.302e−16
pull
Entries 59
Mean 1.663e+10
Std Dev 1.663e+10

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl1_coil3_mean vs run
χ^2 / ndf 5.579e+36 / 58
p0 105.7 ± 1.302e−16
pull
Entries 59
Mean 2.169e+08
Std Dev 2.169e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl1_coil3_err_mean vs run
χ² / ndf 6.303e+36 / 58
p0 423.4 ± 1.302e−16
pull
Entries 59
Mean 4.772e+09
Std Dev 4.772e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl1_coil3_Ndata_mean vs run

dit_atl2_coil3_mean vs run
χ² / ndf inf / 58
p0 8487 ± 1.302e−16
pull
Entries 59
Mean 8.049e+08
Std Dev 8.049e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl2_coil3_err_mean vs run
χ² / ndf 2.511e+38 / 58
p0 2630 ± 1.302e−16
pull
Entries 59
Mean −3.43e+08
Std Dev 3.43e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl2_coil3_Ndata_mean vs run

dit_atr1_coil3_mean vs run
χ² / ndf 1.463e+38 / 58
p0 256.8 ± 1.302e−16
pull
Entries 59
Mean −1.631e+09
Std Dev 1.631e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atr1_coil3_err_mean vs run

dit_atr1_coil3_Ndata_mean vs run

dit_atr2_coil3_mean vs run
χ^2 / ndf 1.538e+38 / 58
p0 109.1± 1.302e−16
pull
Entries 59
Mean −1.645e+09
Std Dev 1.645e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atr2_coil3_err_mean vs run
χ² / ndf 2.202e+38 / 58
p0 2450 ± 1.302e−16
pull
Entries 59
Mean −4.602e+08
Std Dev 4.602e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atr2_coil3_Ndata_mean vs run

dit_sam1_coil3_mean vs run
χ^2 / ndf 3.475e+36 / 58
p0 –364.1 ± 1.302e–16
pull
Entries 59
Mean –5.807e+08
Std Dev 5.807e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam1_coil3_err_mean vs run
χ² / ndf 1.237e+36 / 58
p0 181.1± 1.302e−16
pull
Entries 59
Mean −1.664e+09
Std Dev 1.664e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam1_coil3_Ndata_mean vs run

dit_sam2_coil3_mean vs run

dit_sam2_coil3_err_mean vs run

dit_sam2_coil3_Ndata_mean vs run

dit_sam3_coil3_mean vs run
χ² / ndf 2.31e+38 / 58
p0 3024 ± 1.302e−16
5000
4000
3000
2000
1000
0
pull
Entries 59
Mean −1.007e+09
Std Dev 1.007e+09
2000
1000
0
−1000
−2000
−3000

pull1D
Entries 59
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_sam3_coil3_err_mean vs run
χ² / ndf 1.847e+37 / 58
p0 768.7 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean 6.456e+08
Std Dev 6.456e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam3_coil3_Ndata_mean vs run

dit_sam4_coil3_mean vs run
χ² / ndf inf / 58
p0 4202 ± 1.302e−16
pull
Entries 59
Mean −2.47e+09
Std Dev 2.47e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam4_coil3_err_mean vs run

dit_sam4_coil3_Ndata_mean vs run

dit_sam5_coil3_mean vs run
χ² / ndf 5.638e+35 / 58
p0 139.7 ± 1.302e−16
pull
Entries 59
Mean 4.018e+09
Std Dev 4.018e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam5_coil3_err_mean vs run
χ² / ndf 4.241e+35 / 58
p0 112.7 ± 1.302e−16
pull
Entries 59
Mean −3.077e+09
Std Dev 3.077e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam5_coil3_Ndata_mean vs run

dit_sam6_coil3_mean vs run
χ^2 / ndf 1.378e+36 / 58
p0 221.2 ± 1.302e−16
pull
Entries 59
Mean 3.29e+09
Std Dev 3.29e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam6_coil3_err_mean vs run
χ² / ndf 5.976e+35 / 58
p0 131 ± 1.302e−16
pull
Entries 59
Mean −2.693e+09
Std Dev 2.693e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam6_coil3_Ndata_mean vs run

dit_sam7_coil3_mean vs run
χ^2 / ndf 4.218e+37 / 58
p0 1316 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean 5.744e+08
Std Dev 5.744e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 59
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_sam7_coil3_err_mean vs run
χ² / ndf 1.461e+36 / 58
p0 230.2 ± 1.302e−16
pull
Entries 59
Mean −4.597e+08
Std Dev 4.597e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam7_coil3_Ndata_mean vs run

dit_sam8_coil3_mean vs run
χ^2 / ndf 2.452e+37 / 58
p0 1008 ± 1.302e−16
pull
Entries 59
Mean 0
Std Dev 0

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam8_coil3_err_mean vs run
χ² / ndf 1.261e+36 / 58
p0 170.9 ± 1.302e−16
pull
Entries 59
Mean 2.323e+08
Std Dev 2.323e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam8_coil3_Ndata_mean vs run

dit_4aX_coil7_mean vs run

dit_4aX_coil7_err_mean vs run
χ² / ndf 3.817e+33 / 58
p0 10.42 ± 1.302e−16
pull
Entries 59
Mean 1.784e+09
Std Dev 1.784e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aX_coil7_Ndata_mean vs run

dit_4eX_coil7_mean vs run

dit_4eX_coil7_err_mean vs run
χ² / ndf 4.08e+33 / 58
p0 10.84 ± 1.302e−16
pull
Entries 59
Mean −9.705e+08
Std Dev 9.705e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_4eX_coil7_Ndata_mean vs run

dit_11X12X_coil7_mean vs run
χ² / ndf 2.848e+36 / 58
p0 −344.8 ± 1.302e−16
pull
Entries 59
Mean −4.645e+08
Std Dev 4.645e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_11X12X_coil7_err_mean vs run

dit_11X12X_coil7_Ndata_mean vs run

dit_4aY_coil7_mean vs run
χ^2 / ndf 1.357e+33 / 58
p0 −7.003 ± 1.302e−16
pull
Entries 59
Mean 5.461e+08
Std Dev 5.461e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aY_coil7_err_mean vs run
χ² / ndf 4.666e+32 / 58
p0 3.418 ± 1.302e−16
pull
Entries 59
Mean 1.831e+09
Std Dev 1.831e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aY_coil7_Ndata_mean vs run

dit_4eY_coil7_mean vs run
χ^2 / ndf 8.703e+32 / 58
p0 −5.347 ± 1.302e−16
pull
Entries 59
Mean −1.447e+09
Std Dev 1.447e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4eY_coil7_err_mean vs run

dit_4eY_coil7_Ndata_mean vs run

dit_usl_coil7_mean vs run
χ² / ndf inf / 58
p0 8406 ± 1.302e−16
pull
Entries 59
Mean −8.674e+08
Std Dev 8.674e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_usl_coil7_err_mean vs run
χ² / ndf 2.263e+37 / 58
p0 812.8 ± 1.302e−16
pull
Entries 59
Mean 8.711e+08
Std Dev 8.711e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 4.746e+37 / 58
p0 1163 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −1.108e+09
Std Dev 1.108e+09
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_usr_coil7_mean vs run

dit_usr_coil7_err_mean vs run
χ² / ndf 2.76e+37 / 58
p0 886 ± 1.302e−16
pull
Entries 59
Mean −1.333e+09
Std Dev 1.333e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 4.746e+37 / 58
p0 1163 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −1.108e+09
Std Dev 1.108e+09
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_atl1_coil7_mean vs run
χ² / ndf inf / 58
p0 −1.519e+04 ± 1.302e−16
0
−5000
−10000
−15000
−20000
pull
Entries 59
Mean −5.939e+08
Std Dev 5.939e+08
×10¹⁸
15
10
5
0
−5
pull1D
Entries 59
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_atl1_coil7_err_mean vs run
χ² / ndf 2.637e+37 / 58
p0 838.5 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −6.138e+08
Std Dev 6.138e+08
×10¹⁵
1500
1000
500
0
−500

pull1D
Entries 59
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_atl1_coil7_Ndata_mean vs run

dit_atl2_coil7_mean vs run
χ^2 / ndf inf / 58
p0 1.019e+05 ± 1.302e−16
pull
Entries 59
Mean 7.275e+08
Std Dev 7.275e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl2_coil7_err_mean vs run
χ² / ndf inf / 58
p0 5127 ± 1.302e−16
pull
Entries 59
Mean −2.205e+09
Std Dev 2.205e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl2_coil7_Ndata_mean vs run

dit_atr1_coil7_mean vs run
χ² / ndf inf / 58
p0 3.107e+04 ± 1.302e−16
50000
40000
30000
20000
10000
0
pull
Entries 59
Mean −2.266e+09
Std Dev 2.266e+09
×10¹⁸
20
10
0
−10
−20
−30

pull1D
Entries 59
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_atr1_coil7_err_mean vs run

dit_atr1_coil7_Ndata_mean vs run

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 58
p0 1.515e+05 ± 1.302e−16
200
150
100
50
0
pull
Entries 59
Mean −5.987e+08
Std Dev 5.987e+08
×10^18
50
0
−50
−100
−150

pull1D
Entries 59
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_atr2_coil7_err_mean vs run

dit_atr2_coil7_Ndata_mean vs run

dit_sam1_coil7_mean vs run
χ² / ndf 2.052e+36 / 58
p0 200.8 ± 1.302e−16
400
300
200
100
0
−100
pull
Entries 59
Mean −1.957e+08
Std Dev 1.957e+08
×10¹⁵
200
100
0
−100
−200
−300

pull1D
Entries 59
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_sam1_coil7_err_mean vs run
χ² / ndf 4.726e+36 / 58
p0 327.9 ± 1.302e−16
pull
Entries 59
Mean −7.87e+08
Std Dev 7.87e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam1_coil7_Ndata_mean vs run
χ^2 / ndf 4.746e+37 / 58
p0 1163 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −1.108e+09
Std Dev 1.108e+09
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam2_coil7_mean vs run
χ² / ndf inf / 58
p0 −1.514e+04 ± 1.302e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
pull
Entries 59
Mean 3.002e+08
Std Dev 3.002e+08
×10¹⁸
15
10
5
0
−5
−10
−15
−20
pull1D
Entries 59
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_sam2_coil7_err_mean vs run

dit_sam2_coil7_Ndata_mean vs run

dit_sam3_coil7_mean vs run
χ^2 / ndf inf / 58
p0 –6604 ± 1.302e–16
pull
Entries 59
Mean –4.31e+08
Std Dev 4.31e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam3_coil7_err_mean vs run

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 4.746e+37 / 58
p0 1163 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −1.108e+09
Std Dev 1.108e+09
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam4_coil7_mean vs run
χ² / ndf inf / 58
p0 −7839 ± 1.302e−16
pull
Entries 59
Mean −8.304e+09
Std Dev 8.304e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam4_coil7_err_mean vs run
χ^2 / ndf 9.702e+37 / 58
p0 1748 ± 1.302e−16
pull
Entries 59
Mean 2.767e+09
Std Dev 2.767e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam4_coil7_Ndata_mean vs run

dit_sam5_coil7_mean vs run
χ² / ndf 1.768e+36 / 58
p0 −183.4 ± 1.302e−16
pull
Entries 59
Mean 6.144e+08
Std Dev 6.144e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam5_coil7_err_mean vs run
χ² / ndf 2.314e+36 / 58
p0 232.8 ± 1.302e−16
pull
Entries 59
Mean −1.295e+09
Std Dev 1.295e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam5_coil7_Ndata_mean vs run

dit_sam6_coil7_mean vs run
χ² / ndf 1.035e+37 / 58
p0 364.9 ± 1.302e−16
1000
500
0
−500
−1000
pull
Entries 59
Mean 8.417e+07
Std Dev 8.417e+07
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 59
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_sam6_coil7_err_mean vs run
χ² / ndf 2.502e+36 / 58
p0 233.6 ± 1.302e−16
800
600
400
200
0
pull
Entries 59
Mean 1.368e+09
Std Dev 1.368e+09
×10¹⁵
600
500
400
300
200
100
0
−100
−200

pull1D
Entries 59
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_sam6_coil7_Ndata_mean vs run
χ² / ndf 4.746e+37 / 58
p0 1163 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −1.108e+09
Std Dev 1.108e+09
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam7_coil7_mean vs run
χ² / ndf 5.775e+37 / 58
p0 −1461 ± 1.302e−16
pull
Entries 59
Mean −5.002e+09
Std Dev 5.002e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam7_coil7_err_mean vs run
χ² / ndf 6.684e+36 / 58
p0 456.9 ± 1.302e−16
1200
1000
800
600
400
200
0
pull
Entries 59
Mean −3.931e+09
Std Dev 3.931e+09
×10¹⁵
800
600
400
200
0
−200
−400

pull1D
Entries 59
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_sam7_coil7_Ndata_mean vs run
χ² / ndf 4.746e+37 / 58
p0 1163 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −1.108e+09
Std Dev 1.108e+09
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam8_coil7_mean vs run
χ² / ndf 1.887e+37 / 58
p0 −824.1 ± 1.302e−16
0
−500
−1000
−1500
−2000
pull
Entries 59
Mean −5.341e+08
Std Dev 5.341e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 59
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_sam8_coil7_err_mean vs run
χ² / ndf 2.198e+36 / 58
p0 278.2 ± 1.302e−16
pull
Entries 59
Mean 1.842e+09
Std Dev 1.842e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam8_coil7_Ndata_mean vs run
χ^2 / ndf 4.746e+37 / 58
p0 1163 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean −1.108e+09
Std Dev 1.108e+09
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_4aX_coil4_mean vs run
χ^2 / ndf 8.592e+32 / 58
p0 1.452 ± 1.302e−16
pull
Entries 59
Mean −1.095e+09
Std Dev 1.095e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aX_coil4_err_mean vs run
χ² / ndf 8.893e+32 / 58
p0 5.273 ± 1.302e−16
pull
Entries 59
Mean 1.853e+09
Std Dev 1.853e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 59
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_4eX_coil4_mean vs run
χ² / ndf 1.448e+33 / 58
p0 4.732 ± 1.302e−16
pull
Entries 59
Mean −1.284e+09
Std Dev 1.284e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4eX_coil4_err_mean vs run

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 59
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_11X12X_coil4_mean vs run

dit_11X12X_coil4_err_mean vs run

dit_11X12X_coil4_Ndata_mean vs run

dit_4aY_coil4_mean vs run
χ² / ndf 1.231e+36 / 58
p0 227 ± 1.302e−16
pull
Entries 59
Mean 6.071e+08
Std Dev 6.071e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aY_coil4_err_mean vs run

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_4eY_coil4_mean vs run
χ^2 / ndf 1.04e+36 / 58
p0 208.6 ± 1.302e−16
pull
Entries 59
Mean −1.783e+09
Std Dev 1.783e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_4eY_coil4_err_mean vs run

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 59
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_usl_coil4_mean vs run
χ^2 / ndf 1.905e+38 / 58
p0 2802 ± 1.302e−16
pull
Entries 59
Mean 1.478e+10
Std Dev 1.478e+10

pull1D
Entries 59
Mean 0
Std Dev 0

dit_usl_coil4_err_mean vs run
χ² / ndf 4.696e+36 / 58
p0 381.7 ± 1.302e−16
800
600
400
200
0
pull
Entries 59
Mean −7.262e+08
Std Dev 7.262e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
−400

pull1D
Entries 59
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_usl_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 59
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_usr_coil4_mean vs run
χ^2 / ndf 2.691e+38 / 58
p0 3321± 1.302e−16
5000
4000
3000
2000
1000
0
pull
Entries 59
Mean −8.959e+08
Std Dev 8.959e+08
2000
1000
0
−1000
−2000
−3000

pull1D
Entries 59
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_usr_coil4_err_mean vs run
χ² / ndf 6.458e+36 / 58
p0 453 ± 1.302e−16
pull
Entries 59
Mean 1.135e+09
Std Dev 1.135e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_atl1_coil4_mean vs run

dit_atl1_coil4_err_mean vs run
χ² / ndf 5.762e+36 / 58
p0 397 ± 1.302e−16
pull
Entries 59
Mean 6.135e+08
Std Dev 6.135e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl1_coil4_Ndata_mean vs run
χ^2 / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_atl2_coil4_mean vs run
χ² / ndf inf / 58
p0 3.087e+04 ± 1.302e−16
50000
40000
30000
20000
10000
0
pull
Entries 59
Mean −1.27e+09
Std Dev 1.27e+09
×10¹⁸
10
0
−10
−20
−30

pull1D
Entries 59
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_atl2_coil4_err_mean vs run
χ² / ndf 1.735e+38 / 58
p0 2276 ± 1.302e−16
pull
Entries 59
Mean 4.285e+09
Std Dev 4.285e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl2_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 59
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_atr1_coil4_mean vs run
χ^2 / ndf inf / 58
p0 4119 ± 1.302e−16
pull
Entries 59
Mean −1.191e+09
Std Dev 1.191e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atr1_coil4_err_mean vs run

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 59
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_atr2_coil4_mean vs run
χ² / ndf inf / 58
p0 4.968e+04 ± 1.302e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 59
Mean −6.18e+08
Std Dev 6.18e+08
×10¹⁸
20
10
0
−10
−20
−30
−40
−50

pull1D
Entries 59
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_atr2_coil4_err_mean vs run
χ² / ndf 1.638e+38 / 58
p0 2177 ± 1.302e−16
pull
Entries 59
Mean −8.454e+08
Std Dev 8.454e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 59
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_sam1_coil4_mean vs run
χ² / ndf inf / 58
p0 −2.16e+04 ± 1.302e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 59
Mean 1.647e+09
Std Dev 1.647e+09
×10¹⁸
20
15
10
5
0
−5
−10
pull1D
Entries 59
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_sam1_coil4_err_mean vs run
χ² / ndf 1.065e+36 / 58
p0 162.7 ± 1.302e−16
pull
Entries 59
Mean −1.394e+09
Std Dev 1.394e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam2_coil4_mean vs run
χ^2 / ndf inf / 58
p0 −6.437e+04 ± 1.302e−16
pull
Entries 59
Mean 1.764e+09
Std Dev 1.764e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam2_coil4_err_mean vs run
χ² / ndf 8.079e+37 / 58
p0 1578 ± 1.302e−16
pull
Entries 59
Mean 1.973e+09
Std Dev 1.973e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam3_coil4_mean vs run
χ² / ndf 3.144e+37 / 58
p0 951.3 ± 1.302e−16
pull
Entries 59
Mean −8.517e+08
Std Dev 8.517e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam3_coil4_err_mean vs run
χ² / ndf 1.665e+37 / 58
p0 720.2 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean 1.002e+09
Std Dev 1.002e+09
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam3_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam4_coil4_mean vs run
χ² / ndf inf / 58
p0 3.362e+04 ± 1.302e−16
50000
40000
30000
20000
10000
0
pull
Entries 59
Mean 5.403e+08
Std Dev 5.403e+08
×10¹⁸
20
10
0
−10
−20
−30
pull1D
Entries 59
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_sam4_coil4_err_mean vs run

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam5_coil4_mean vs run
χ² / ndf inf / 58
p0 1.629e+04 ± 1.302e−16
25000
20000
15000
10000
5000
0
pull
Entries 59
Mean −1.718e+09
Std Dev 1.718e+09
×10¹⁸
10
5
0
−5
−10
−15
pull1D
Entries 59
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_sam5_coil4_err_mean vs run
χ² / ndf 3.997e+35 / 58
p0 107.1± 1.302e−16
pull
Entries 59
Mean −1.31e+09
Std Dev 1.31e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 59
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_sam6_coil4_mean vs run
χ^2 / ndf inf / 58
p0 8794 ± 1.302e−16
pull
Entries 59
Mean 2.852e+09
Std Dev 2.852e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam6_coil4_err_mean vs run
χ² / ndf 4.392e+35 / 58
p0 120.5 ± 1.302e−16
pull
Entries 59
Mean 2.39e+10
Std Dev 2.39e+10
pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam7_coil4_mean vs run
χ² / ndf 3.614e+36 / 58
p0 −312.3 ± 1.302e−16
pull
Entries 59
Mean −5.993e+08
Std Dev 5.993e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam7_coil4_err_mean vs run
χ² / ndf 1.639e+36 / 58
p0 230.7 ± 1.302e−16
pull
Entries 59
Mean −8.485e+09
Std Dev 8.485e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam8_coil4_mean vs run
χ^2 / ndf 7.237e+37 / 58
p0 −1681 ± 1.302e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 59
Mean 5.75e+08
Std Dev 5.75e+08
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam8_coil4_err_mean vs run
χ² / ndf 7.673e+35 / 58
p0 147 ± 1.302e−16
500
400
300
200
100
0
pull
Entries 59
Mean 2.728e+08
Std Dev 2.728e+08
×10¹⁵
300
200
100
0
−100

pull1D
Entries 59
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_sam8_coil4_Ndata_mean vs run
χ² / ndf 2.873e+37 / 58
p0 898.3 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean −6.828e+08
Std Dev 6.828e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_4aX_coil6_mean vs run
χ² / ndf 9.246e+32 / 58
p0 −2.964 ± 1.302e−16
pull
Entries 59
Mean −1.06e+09
Std Dev 1.06e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aX_coil6_err_mean vs run

dit_4aX_coil6_Ndata_mean vs run

dit_4eX_coil6_mean vs run
χ² / ndf 1.247e+33 / 58
p0 −4.757 ± 1.302e−16
pull
Entries 59
Mean −1.016e+09
Std Dev 1.016e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_4eX_coil6_err_mean vs run

dit_4eX_coil6_Ndata_mean vs run

dit_11X12X_coil6_mean vs run

dit_11X12X_coil6_err_mean vs run

dit_11X12X_coil6_Ndata_mean vs run

dit_4aY_coil6_mean vs run

dit_4aY_coil6_err_mean vs run
χ^2 / ndf 4.273e+32 / 58
p0 2.968 ± 1.302e−16
pull
Entries 59
Mean −1.939e+09
Std Dev 1.939e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_4eY_coil6_mean vs run

dit_4eY_coil6_err_mean vs run

dit_4eY_coil6_Ndata_mean vs run

dit_usl_coil6_mean vs run
χ² / ndf 2.636e+37 / 58
p0 −751.4 ± 1.302e−16
500
0
−500
−1000
−1500
−2000
pull
Entries 59
Mean 4.165e+08
Std Dev 4.165e+08
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_usl_coil6_err_mean vs run
χ² / ndf 1.599e+37 / 58
p0 703.6 ± 1.302e−16
2000
1500
1000
500
0
pull
Entries 59
Mean 1.525e+09
Std Dev 1.525e+09
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600

pull1D
Entries 59
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_usl_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_usr_coil6_mean vs run
χ² / ndf 5.961e+37 / 58
p0 −1421 ± 1.302e−16
pull
Entries 59
Mean 3.553e+08
Std Dev 3.553e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_usr_coil6_err_mean vs run

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl1_coil6_mean vs run
χ² / ndf 1.197e+38 / 58
p0 2104 ± 1.302e−16
pull
Entries 59
Mean 8.579e+09
Std Dev 8.579e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl1_coil6_err_mean vs run

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl2_coil6_mean vs run
χ² / ndf inf / 58
p0 –9526 ± 1.302e–16
pull
Entries 59
Mean –2.76e+08
Std Dev 2.76e+08
pull1D
Entries 59
Mean 0
Std Dev 0

dit_atl2_coil6_err_mean vs run

dit_atl2_coil6_Ndata_mean vs run

dit_atr1_coil6_mean vs run
χ2 / ndf inf / 58
p0 –177.5 ± 1.302e–16
pull
Entries 59
Mean –9.987e+09
Std Dev 9.987e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_atr1_coil6_err_mean vs run

dit_atr1_coil6_Ndata_mean vs run

dit_atr2_coil6_mean vs run

dit_atr2_coil6_err_mean vs run

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam1_coil6_mean vs run
χ² / ndf inf / 58
p0 6792 ± 1.302e−16
10000
8000
6000
4000
2000
0
pull
Entries 59
Mean 9.903e+08
Std Dev 9.903e+08
×10¹⁵
2000
0
−2000
−4000
−6000

pull1D
Entries 59
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_sam1_coil6_err_mean vs run
χ² / ndf 3.99e+36 / 58
p0 278.6 ± 1.302e−16
pull
Entries 59
Mean −1.423e+09
Std Dev 1.423e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam2_coil6_mean vs run
χ² / ndf inf / 58
p0 2.462e+04 ± 1.302e−16
pull
Entries 59
Mean −6.124e+08
Std Dev 6.124e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam2_coil6_err_mean vs run
χ² / ndf 2.661e+38 / 58
p0 2962 ± 1.302e−16
pull
Entries 59
Mean 4.657e+08
Std Dev 4.657e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam3_coil6_mean vs run
χ² / ndf 1.019e+37 / 58
p0 −20.2 ± 1.302e−16
1000
500
0
−500
−1000
pull
Entries 59
Mean −8.923e+07
Std Dev 8.923e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 59
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_sam3_coil6_err_mean vs run

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
2500
2000
1500
1000
500
0
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08
×10¹⁵
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam4_coil6_mean vs run
χ^2 / ndf inf / 58
p0 −1.134e+04 ± 1.302e−16
pull
Entries 59
Mean 8.28e+08
Std Dev 8.28e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam4_coil6_err_mean vs run
χ² / ndf 7.132e+37 / 58
p0 1490 ± 1.302e−16
pull
Entries 59
Mean 1.323e+09
Std Dev 1.323e+09
pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam5_coil6_mean vs run
χ² / ndf inf / 58
p0 –4530 ± 1.302e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
–7000
pull
Entries 59
Mean –3e+09
Std Dev 3e+09
×10¹⁵
4000
3000
2000
1000
0
–1000
–2000

pull1D
Entries 59
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_sam5_coil6_err_mean vs run
χ² / ndf 1.953e+36 / 58
p0 201.7 ± 1.302e−16
pull
Entries 59
Mean 1.514e+09
Std Dev 1.514e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam6_coil6_mean vs run
χ^2 / ndf 1.131e+38 / 58
p0 −2162 ± 1.302e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull
Entries 59
Mean 8.9e+08
Std Dev 8.9e+08
×10^15
2000
1500
1000
500
0
−500
−1000

pull1D
Entries 59
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_sam6_coil6_err_mean vs run
χ² / ndf 1.574e+36 / 58
p0 202.1± 1.302e−16
pull
Entries 59
Mean −1.449e+09
Std Dev 1.449e+09

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam7_coil6_mean vs run
χ² / ndf 3.483e+36 / 58
p0 311.7 ± 1.302e−16
1000
800
600
400
200
0
pull
Entries 59
Mean −1.378e+09
Std Dev 1.378e+09
×10¹⁵
600
400
200
0
−200

pull1D
Entries 59
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_sam7_coil6_err_mean vs run

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam8_coil6_mean vs run
χ^2 / ndf 3.974e+36 / 58
p0 −355.9 ± 1.302e−16
pull
Entries 59
Mean −7.711e+08
Std Dev 7.711e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_sam8_coil6_err_mean vs run
χ^2 / ndf 1.573e+36 / 58
p0 232.6 ± 1.302e−16
500
400
300
200
100
0
pull
Entries 59
Mean 5.103e+08
Std Dev 5.103e+08
$\times 10^{15}$
200
100
0
−100
−200

pull1D
Entries 59
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_sam8_coil6_Ndata_mean vs run
χ² / ndf 3.935e+37 / 58
p0 918.6 ± 1.302e−16
pull
Entries 59
Mean 9.521e+08
Std Dev 9.521e+08

pull1D
Entries 59
Mean 0
Std Dev 0

dit_run_mean vs run
χ^2 / ndf 3.585e+08 / 58
p0 3874 ± 323.7
5000
4000
3000
2000
1000
0

pull1D
Entries 59
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_run_rms vs run

dit_slug_slope vs run
χ^2 / ndf 0 / 58
p0 101 ± 0.1302
102
101.8
101.6
101.4
101.2
101

pull1D
Entries 59
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 2.012e+08 / 58
p0 2902 ± 242.5
4500
4000
3500
3000
2500
2000
1500
1000
500
0

pull1D
Entries 59
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_cyclenum_rms vs run
χ² / ndf 2.012e+08 / 58
p0 2902 ± 242.5
4500
4000
3500
3000
2500
2000
1500
1000
500
0

dit_scandata1_mean vs run
χ^2 / ndf 0 / 58
p0 0 ± 0.1302
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 59
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_scandata1_rms vs run

dit_scandata2_mean vs run
χ^2 / ndf 0 / 58
p0 0 ± 0.1302
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 59
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_scandata2_rms vs run

dit_flag_mean vs run
χ^2 / ndf 12.1 / 58
p0 0.7119 ± 0.05947
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 59
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_flag_rms vs run

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 80.61 / 58
p0 −14.8 ± 1.27
pull
Entries 59
Mean 13.9
Std Dev 14.05

pull1D
Entries 59
Mean −0.07156
Std Dev 1.167

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 1140 / 58
p0 −68.18 ± 0.6366
pull
Entries 59
Mean 37.84
Std Dev 15.89

pull1D
Entries 59
Mean −1.378
Std Dev 3.946

reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 81.72 / 58
p0 9.255 ± 1.224
pull
Entries 59
Mean 16.26
Std Dev 13.41

pull1D
Entries 59
Mean 0.08447
Std Dev 1.174

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 1300 / 58
p0 −23.39 ± 0.7756
pull
Entries 59
Mean 38.69
Std Dev 16.17

pull1D
Entries 59
Mean 1.537
Std Dev 4.118

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 13.77 / 58
p0 0.2072 ± 0.04386
pull
Entries 59
Mean 157.3
Std Dev 129.2
pull1D
Entries 59
Mean 0.01876
Std Dev 0.4827

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 24.33 / 58
p0 −182.4 ± 7.446
pull
Entries 59
Mean −3.351
Std Dev 48.61

pull1D
Entries 59
Mean 0.02845
Std Dev 0.6415

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 419.5 / 58
p0 −49.13 ± 3.66
pull
Entries 59
Mean 38.34
Std Dev 15.62

pull1D
Entries 59
Mean −0.8434
Std Dev 2.53

reg_asym_sam2_diff_bpm4eX_slope vs run
χ2 / ndf 20.89 / 58
p0 −130.1± 7.175
pull
Entries 59
Mean −11.65
Std Dev 57.1

pull1D
Entries 59
Mean −0.01819
Std Dev 0.5947

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 451.3 / 58
p0 −230 ± 4.471
pull
Entries 59
Mean 38.16
Std Dev 15.53
pull1D
Entries 59
Mean 0.9384
Std Dev 2.602

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 4.337 / 58
p0 −1.767 ± 0.2575
pull
Entries 59
Mean 219.4
Std Dev 202.3

pull1D
Entries 59
Mean 0.004305
Std Dev 0.2711

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 52.63 / 58
p0 −98.66 ± 2.668
pull
Entries 59
Mean 3.394
Std Dev 34.4

pull1D
Entries 59
Mean 0.1277
Std Dev 0.9358

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 8.293 / 58
p0 −2.33 ± 1.279
pull
Entries 59
Mean −749.2
Std Dev 785.9

pull1D
Entries 59
Mean −0.002669
Std Dev 0.3749

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 26.3 / 58
p0 −26.42 ± 2.57
pull
Entries 59
Mean 21.45
Std Dev 19.58

pull1D
Entries 59
Mean −0.09473
Std Dev 0.6609

reg_asym_sam3_diff_bpm4eY_slope vs run
χ2 / ndf 8.21 / 58
p0 8.273 ± 1.562
pull
Entries 59
Mean 1360
Std Dev 1320

pull1D
Entries 59
Mean −0.001215
Std Dev 0.373

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 5.468 / 58
p0 −0.7933 ± 0.09135
pull
Entries 59
Mean 227.9
Std Dev 189.1

pull1D
Entries 59
Mean −0.007708
Std Dev 0.3043

reg_asym_sam4_diff_bpm4aX_slope vs run
χ^2 / ndf 116.5 / 58
p0 −130.5 ± 3.496
pull
Entries 59
Mean 14.06
Std Dev 22.68

pull1D
Entries 59
Mean 0.2052
Std Dev 1.39

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 379.8 / 58
p0 36.93 ± 1.69
pull
Entries 59
Mean 42.89
Std Dev 14.43

pull1D
Entries 59
Mean 0.7815
Std Dev 2.414

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 90.35 / 58
p0 −4.343 ± 3.368
pull
Entries 59
Mean 23.74
Std Dev 14.27

pull1D
Entries 59
Mean −0.1792
Std Dev 1.224

reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 393.1 / 58
p0 113.5 ± 2.063
pull
Entries 59
Mean 40.39
Std Dev 15.12

pull1D
Entries 59
Mean −0.8586
Std Dev 2.434

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 14.38 / 58
p0 −1.866 ± 0.1195
pull
Entries 59
Mean 170.1
Std Dev 136

pull1D
Entries 59
Mean −0.01564
Std Dev 0.4935

reg_asym_sam5_diff_bpm4aX_slope vs run
χ2 / ndf 12.72 / 58
p0 5.369 ± 1.027
pull
Entries 59
Mean 59.12
Std Dev 33.68

pull1D
Entries 59
Mean −0.01596
Std Dev 0.464

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 405 / 58
p0 61.99 ± 0.5018
pull
Entries 59
Mean 42.27
Std Dev 13.02

pull1D
Entries 59
Mean 0.7395
Std Dev 2.514

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 13.71 / 58
p0 2.188 ± 0.9892
pull
Entries 59
Mean 40.33
Std Dev 22.75

pull1D
Entries 59
Mean 0.02168
Std Dev 0.4815

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 452.8 / 58
p0 7.859 ± 0.6115
pull
Entries 59
Mean 37.8
Std Dev 14.36

pull1D
Entries 59
Mean −0.8323
Std Dev 2.642

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 5.676 / 58
p0 0.1876 ± 0.03504
pull
Entries 59
Mean 439.9
Std Dev 414.1
pull1D
Entries 59
Mean −0.003643
Std Dev 0.3102

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 26.29 / 58
p0 27.77 ± 0.6451
pull
Entries 59
Mean 3901
Std Dev 3871

pull1D
Entries 59
Mean −0.0006865
Std Dev 0.6675

reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 862.7 / 58
p0 49.15 ± 0.3203
pull
Entries 59
Mean 37.58
Std Dev 14.39

pull1D
Entries 59
Mean 1.423
Std Dev 3.183

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 28.51 / 58
p0 −13.53 ± 0.6215
pull
Entries 59
Mean 112.9
Std Dev 84.24
pull1D
Entries 59
Mean 0.02225
Std Dev 0.6948

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 1055 / 58
p0 −13.01 ± 0.3904
pull
Entries 59
Mean 37.29
Std Dev 14.68

pull1D
Entries 59
Mean −1.699
Std Dev 3.336

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 12.19 / 58
p0 0.05311 ± 0.02225
pull
Entries 59
Mean 180.2
Std Dev 157

pull1D
Entries 59
Mean −0.007134
Std Dev 0.4545

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 206.7 / 58
p0 1.508 ± 0.7368
pull
Entries 59
Mean 20.93
Std Dev 17.92

pull1D
Entries 59
Mean 0.2805
Std Dev 1.851

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 175.1 / 58
p0 10.3 ± 0.3575
pull
Entries 59
Mean 44.09
Std Dev 15.76

pull1D
Entries 59
Mean 0.4853
Std Dev 1.653

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 182 / 58
p0 −33.83 ± 0.7098
pull
Entries 59
Mean 32.12
Std Dev 13.18

pull1D
Entries 59
Mean −0.264
Std Dev 1.736

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 193 / 58
p0 −13.93 ± 0.4365
pull
Entries 59
Mean 43.07
Std Dev 16.4

pull1D
Entries 59
Mean −0.5503
Std Dev 1.723

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 38.35 / 58
p0 −0.1979 ± 0.02535
pull
Entries 59
Mean 45.26
Std Dev 38.33

pull1D
Entries 59
Mean −0.02666
Std Dev 0.8058

reg_asym_sam8_diff_bpm4aX_slope vs run
χ^2 / ndf 876.3 / 58
p0 −9.751 ± 0.482
pull
Entries 59
Mean 16.94
Std Dev 20.85

pull1D
Entries 59
Mean 0.7417
Std Dev 3.593

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1178 / 58
p0 −38.28 ± 0.2336
pull
Entries 59
Mean 44.57
Std Dev 14.7

pull1D
Entries 59
Mean 1.431
Std Dev 3.757

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 729.7 / 58
p0 −9.447 ± 0.4644
pull
Entries 59
Mean 20.57
Std Dev 17.41

pull1D
Entries 59
Mean −0.6867
Std Dev 3.253

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1166 / 58
p0 32 ± 0.2853
pull
Entries 59
Mean 43.43
Std Dev 14.26

pull1D
Entries 59
Mean −1.572
Std Dev 3.749

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 80.92 / 58
p0 −0.5108 ± 0.01648
pull
Entries 59
Mean 67.39
Std Dev 21.47

pull1D
Entries 59
Mean −0.03572
Std Dev 1.171

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 29.03 / 58
p0 −49.01 ± 2.599
pull
Entries 59
Mean −58.41
Std Dev 91.53

pull1D
Entries 59
Mean 0.01334
Std Dev 0.7014

reg_asym_usl_diff_bpm4aY_slope vs run
χ2 / ndf 30.96 / 58
p0 3.254 ± 1.271
pull
Entries 59
Mean 56.85
Std Dev 21.48

pull1D
Entries 59
Mean 0.0564
Std Dev 0.7222

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 29.36 / 58
p0 4.615 ± 2.504
pull
Entries 59
Mean −32.74
Std Dev 65.5

pull1D
Entries 59
Mean −0.01613
Std Dev 0.7053

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 28.89 / 58
p0 10.79 ± 1.55
pull
Entries 59
Mean 57.6
Std Dev 23.72

pull1D
Entries 59
Mean −0.07116
Std Dev 0.6961

reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 40.27 / 58
p0 −32.07 ± 0.09009
pull
Entries 59
Mean −838.5
Std Dev 869.8

pull1D
Entries 59
Mean 0.003987
Std Dev 0.8262

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 108.7 / 58
p0 22.22 ± 2.787
pull
Entries 59
Mean 19.96
Std Dev 14.16

pull1D
Entries 59
Mean −0.22
Std Dev 1.339

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 46.56 / 58
p0 −0.7823 ± 1.362
pull
Entries 59
Mean −53.57
Std Dev 86.3

pull1D
Entries 59
Mean 0.02585
Std Dev 0.888

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 108 / 58
p0 65.4 ± 2.686
pull
Entries 59
Mean 19.17
Std Dev 14.4

pull1D
Entries 59
Mean 0.2156
Std Dev 1.336

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 47.73 / 58
p0 17.77 ± 1.661
pull
Entries 59
Mean −102
Std Dev 134.6

pull1D
Entries 59
Mean −0.02026
Std Dev 0.8992

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 51.96 / 58
p0 −37.39 ± 0.09656
pull
Entries 59
Mean 8894
Std Dev 8859

pull1D
Entries 59
Mean −0.0005171
Std Dev 0.9385

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 55.37 / 58
p0 −0.06165 ± 0.1354
pull
Entries 59
Mean −147.7
Std Dev 192.2

pull1D
Entries 59
Mean −0.01263
Std Dev 0.9687

reg_asym_dsl_diff_bpm4aY_slope vs run

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 55.55 / 58
p0 0.0636 ± 0.1305
pull
Entries 59
Mean −207.4
Std Dev 251.8

pull1D
Entries 59
Mean 0.009139
Std Dev 0.9703

reg_asym_dsl_diff_bpm4eY_slope vs run

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 47.47 / 58
p0 −0.005105 ± 0.004695
pull
Entries 59
Mean −2058
Std Dev 2090

pull1D
Entries 59
Mean 0.001956
Std Dev 0.897

reg_asym_dsr_diff_bpm4aX_slope vs run

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 54.68 / 58
p0 −0.06632 ± 0.071
pull
Entries 59
Mean 35.3
Std Dev 20.46
pull1D
Entries 59
Mean −0.04033
Std Dev 0.9619

reg_asym_dsr_diff_bpm4eX_slope vs run

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 51.49 / 58
p0 0.04758 ± 0.08653
pull
Entries 59
Mean 36.07
Std Dev 14.54

pull1D
Entries 59
Mean 0.04673
Std Dev 0.9331

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 74.51 / 58
p0 0.007893 ± 0.005028
pull
Entries 59
Mean −721.9
Std Dev 750.4

pull1D
Entries 59
Mean −0.002233
Std Dev 1.124

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 64.88 / 58
p0 −13.39 ± 1.923
pull
Entries 59
Mean 24.61
Std Dev 9.75

pull1D
Entries 59
Mean −0.1503
Std Dev 1.038

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.14 / 58
p0 1.264 ± 0.94
pull
Entries 59
Mean 19.62
Std Dev 9.704

pull1D
Entries 59
Mean 0.05418
Std Dev 0.7807

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 64.1 / 58
p0 35.01 ± 1.853
pull
Entries 59
Mean 23.01
Std Dev 10.63

pull1D
Entries 59
Mean 0.1449
Std Dev 1.032

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 35.96 / 58
p0 14.25 ± 1.146
pull
Entries 59
Mean 19.55
Std Dev 11

pull1D
Entries 59
Mean −0.06077
Std Dev 0.7784

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 67.54 / 58
p0 −34.73 ± 0.06664
pull
Entries 59
Mean −3278
Std Dev 3311

pull1D
Entries 59
Mean 0.001708
Std Dev 1.07

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 77.97 / 58
p0 −35.7 ± 1.888
pull
Entries 59
Mean 15.97
Std Dev 17.87

pull1D
Entries 59
Mean 0.175
Std Dev 1.136

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.49 / 58
p0 2.043 ± 0.9231
pull
Entries 59
Mean 171.3
Std Dev 137.6

pull1D
Entries 59
Mean 0.01864
Std Dev 0.8484

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 78.26 / 58
p0 −30.3 ± 1.819
pull
Entries 59
Mean 16
Std Dev 17.39
pull1D
Entries 59
Mean −0.1736
Std Dev 1.139

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.89 / 58
p0 −3.514 ± 1.126
pull
Entries 59
Mean 128.6
Std Dev 95.49

pull1D
Entries 59
Mean −0.03366
Std Dev 0.842

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 24.84 / 58
p0 2.658 ± 0.0654
pull
Entries 59
Mean 220.9
Std Dev 179.2

pull1D
Entries 59
Mean 0.00527
Std Dev 0.6488

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 60.86 / 58
p0 −0.04476 ± 0.0992
pull
Entries 59
Mean −90.65
Std Dev 77.13

pull1D
Entries 59
Mean 0.00726
Std Dev 1.016

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 54.57 / 58
p0 −0.05483 ± 0.04856
pull
Entries 59
Mean 255.4
Std Dev 224.1

pull1D
Entries 59
Mean 0.003291
Std Dev 0.9618

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.33 / 58
p0 0.03922 ± 0.09558
pull
Entries 59
Mean −57.03
Std Dev 27.68

pull1D
Entries 59
Mean −0.008611
Std Dev 1.019

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.65 / 58
p0 0.04578 ± 0.05918
pull
Entries 59
Mean −87.99
Std Dev 115

pull1D
Entries 59
Mean 0.005322
Std Dev 0.9625

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 50.55 / 58
p0 0.001437 ± 0.00344
pull
Entries 59
Mean 1654
Std Dev 1620

pull1D
Entries 59
Mean −0.0009573
Std Dev 0.9256

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 72.72 / 58
p0 −0.01938 ± 0.09918
pull
Entries 59
Mean −142.6
Std Dev 176.4

pull1D
Entries 59
Mean −0.02313
Std Dev 1.11

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 52.28 / 58
p0 0.01148 ± 0.04851
pull
Entries 59
Mean 46.79
Std Dev 24.89

pull1D
Entries 59
Mean 0.06151
Std Dev 0.9393

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 71.67 / 58
p0 0.02639 ± 0.09556
pull
Entries 59
Mean −158.6
Std Dev 192.5

pull1D
Entries 59
Mean 0.01996
Std Dev 1.102

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.89 / 58
p0 −0.001323 ± 0.05912
pull
Entries 59
Mean 46.4
Std Dev 22.6

pull1D
Entries 59
Mean −0.0627
Std Dev 0.9266

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 73.46 / 58
p0 −0.006508 ± 0.00344
pull
Entries 59
Mean −1295
Std Dev 1326
pull1D
Entries 59
Mean 0.003013
Std Dev 1.116

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 28.11 / 58
p0 −24.54 ± 1.302
pull
Entries 59
Mean −51.11
Std Dev 82.85

pull1D
Entries 59
Mean 0.01314
Std Dev 0.6901

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 30.9 / 58
p0 1.608 ± 0.6364
pull
Entries 59
Mean 57.08
Std Dev 22.24

pull1D
Entries 59
Mean 0.05859
Std Dev 0.7213

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.45 / 58
p0 2.348 ± 1.254
pull
Entries 59
Mean −26.06
Std Dev 57.25

pull1D
Entries 59
Mean −0.0161
Std Dev 0.6942

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.8 / 58
p0 5.414 ± 0.7761
pull
Entries 59
Mean 57.8
Std Dev 24.25

pull1D
Entries 59
Mean −0.07305
Std Dev 0.6949

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 39.39 / 58
p0 −16.04 ± 0.04511
pull
Entries 59
Mean −855.7
Std Dev 887.1

pull1D
Entries 59
Mean 0.004144
Std Dev 0.8171

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 30.1 / 58
p0 −24.46 ± 1.301
pull
Entries 59
Mean −65.52
Std Dev 99.77

pull1D
Entries 59
Mean 0.0135
Std Dev 0.7142

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 31.14 / 58
p0 1.646 ± 0.6362
pull
Entries 59
Mean 56.61
Std Dev 20.62

pull1D
Entries 59
Mean 0.05408
Std Dev 0.7244

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 30.43 / 58
p0 2.267 ± 1.254
pull
Entries 59
Mean −39.43
Std Dev 73.45

pull1D
Entries 59
Mean −0.01611
Std Dev 0.7179

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 29.11 / 58
p0 5.375 ± 0.7758
pull
Entries 59
Mean 57.39
Std Dev 23.13

pull1D
Entries 59
Mean −0.06908
Std Dev 0.699

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 41.2 / 58
p0 −16.03 ± 0.04509
pull
Entries 59
Mean −818.2
Std Dev 849.5
pull1D
Entries 59
Mean 0.003828
Std Dev 0.8356

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 107.9 / 58
p0 11.1 ± 1.395
pull
Entries 59
Mean 20.65
Std Dev 13.89

pull1D
Entries 59
Mean −0.2191
Std Dev 1.334

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.76 / 58
p0 −0.4267 ± 0.682
pull
Entries 59
Mean −60.6
Std Dev 93.12

pull1D
Entries 59
Mean 0.02391
Std Dev 0.8899

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 107.2 / 58
p0 32.7 ± 1.344
pull
Entries 59
Mean 19.82
Std Dev 14.11
pull1D
Entries 59
Mean 0.2148
Std Dev 1.331

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 47.78 / 58
p0 8.911 ± 0.8316
pull
Entries 59
Mean −120.5
Std Dev 153

pull1D
Entries 59
Mean −0.01783
Std Dev 0.8998

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 51.75 / 58
p0 −18.69 ± 0.04833
pull
Entries 59
Mean 8355
Std Dev 8321

pull1D
Entries 59
Mean −0.00054
Std Dev 0.9366

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 109.3 / 58
p0 11.12 ± 1.396
pull
Entries 59
Mean 19.27
Std Dev 14.46

pull1D
Entries 59
Mean −0.2204
Std Dev 1.343

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.4 / 58
p0 −0.3557 ± 0.6823
pull
Entries 59
Mean −47.52
Std Dev 80.44

pull1D
Entries 59
Mean 0.02773
Std Dev 0.8864

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ2 / ndf 108.6 / 58
p0 32.69 ± 1.345
pull
Entries 59
Mean 18.53
Std Dev 14.71
pull1D
Entries 59
Mean 0.216
Std Dev 1.339

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 47.69 / 58
p0 8.86 ± 0.8321
pull
Entries 59
Mean −87.5
Std Dev 120.2

pull1D
Entries 59
Mean −0.02263
Std Dev 0.8988

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 52.3 / 58
p0 −18.7 ± 0.04836
pull
Entries 59
Mean 8851
Std Dev 8817

pull1D
Entries 59
Mean −0.0005283
Std Dev 0.9415

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 903 / 58
p0 −4.284 ± 0.1416
pull
Entries 59
Mean 21.8
Std Dev 6.825

pull1D
Entries 59
Mean −0.7539
Std Dev 2.532

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 6674 / 58
p0 −3.567 ± 0.07825
pull
Entries 59
Mean 32.86
Std Dev 16.88
pull1D
Entries 59
Mean −2.727
Std Dev 4.525

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 162.1 / 58
p0 0.1982 ± 0.005147
pull
Entries 59
Mean 75.36
Std Dev 45.74

pull1D
Entries 59
Mean 0.08747
Std Dev 1.655

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 38.72 / 58
p0 −10.07 ± 1.147
pull
Entries 59
Mean 4.886
Std Dev 22.48

pull1D
Entries 59
Mean −0.03598
Std Dev 0.8093

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 739.6 / 58
p0 −64.99 ± 0.5678
pull
Entries 59
Mean 39.05
Std Dev 15.26
pull1D
Entries 59
Mean −1.078
Std Dev 3.373

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 39.65 / 58
p0 3.552 ± 1.106
pull
Entries 59
Mean 9.781
Std Dev 17.39

pull1D
Entries 59
Mean 0.03813
Std Dev 0.8189

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 814.8 / 58
p0 −15.87 ± 0.6919
pull
Entries 59
Mean 38
Std Dev 15.72
pull1D
Entries 59
Mean 1.229
Std Dev 3.507

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 8.139 / 58
p0 0.01001 ± 0.0394
pull
Entries 59
Mean 214.5
Std Dev 187

pull1D
Entries 59
Mean 0.01102
Std Dev 0.3712

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 74.73 / 58
p0 −48.57 ± 1.693
pull
Entries 59
Mean 9.764
Std Dev 28.31

pull1D
Entries 59
Mean 0.1608
Std Dev 1.114

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.48 / 58
p0 3.972 ± 0.8129
pull
Entries 59
Mean 60.19
Std Dev 15.82
pull1D
Entries 59
Mean 0.105
Std Dev 0.565

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.22 / 58
p0 −30.23 ± 1.631
pull
Entries 59
Mean 26.35
Std Dev 16.73

pull1D
Entries 59
Mean −0.1272
Std Dev 0.8759

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.7 / 58
p0 −2.809 ± 0.9925
pull
Entries 59
Mean 53.49
Std Dev 8.599
pull1D
Entries 59
Mean −0.1228
Std Dev 0.5795

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 7.891 / 58
p0 −0.4988 ± 0.05801
pull
Entries 59
Mean 183.6
Std Dev 141.5
pull1D
Entries 59
Mean −0.0085
Std Dev 0.3656

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 30.28 / 58
p0 −50.09 ± 0.9813
pull
Entries 59
Mean −20.72
Std Dev 58.02

pull1D
Entries 59
Mean 0.0704
Std Dev 0.7129

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.82 / 58
p0 −6.32 ± 0.4701
pull
Entries 59
Mean 29.44
Std Dev 15.19

pull1D
Entries 59
Mean −0.186
Std Dev 0.6075

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.67 / 58
p0 3.898 ± 0.9455
pull
Entries 59
Mean −2.244
Std Dev 38.51

pull1D
Entries 59
Mean −0.04514
Std Dev 0.4228

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 25.13 / 58
p0 11.11 ± 0.5741
pull
Entries 59
Mean 33.26
Std Dev 15.1

pull1D
Entries 59
Mean 0.2061
Std Dev 0.6193

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.689 / 58
p0 −0.2934 ± 0.03359
pull
Entries 59
Mean 256.6
Std Dev 221.5

pull1D
Entries 59
Mean −0.008186
Std Dev 0.3609

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 24.84 / 58
p0 −77.25 ± 3.474
pull
Entries 59
Mean −12.81
Std Dev 56.15

pull1D
Entries 59
Mean 0.02899
Std Dev 0.6483

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 384 / 58
p0 −0.04204 ± 1.705
pull
Entries 59
Mean 38.41
Std Dev 15.74

pull1D
Entries 59
Mean −0.8021
Std Dev 2.422

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 20.64 / 58
p0 −71.82 ± 3.347
pull
Entries 59
Mean −26.45
Std Dev 69.87

pull1D
Entries 59
Mean −0.01711
Std Dev 0.5912

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.135 / 58
p0 −0.8571 ± 0.1201
pull
Entries 59
Mean 229.4
Std Dev 213
pull1D
Entries 59
Mean 0.003924
Std Dev 0.2647

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 23.96 / 58
p0 −105.1 ± 3.983
pull
Entries 59
Mean 5.166
Std Dev 42.54

pull1D
Entries 59
Mean 0.02778
Std Dev 0.6366

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 452.5 / 58
p0 −49.1 ± 1.959
pull
Entries 59
Mean 38.28
Std Dev 15.52
pull1D
Entries 59
Mean −0.8765
Std Dev 2.627

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.18 / 58
p0 −58.28 ± 3.838
pull
Entries 59
Mean −0.01487
Std Dev 47.87

pull1D
Entries 59
Mean −0.0191
Std Dev 0.5988

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 489.9 / 58
p0 −108.6 ± 2.394
pull
Entries 59
Mean 38.09
Std Dev 15.46

pull1D
Entries 59
Mean 0.9828
Std Dev 2.709

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.596 / 58
p0 −0.9103 ± 0.1377
pull
Entries 59
Mean 210.8
Std Dev 193.1

pull1D
Entries 59
Mean 0.004663
Std Dev 0.2791

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 189.2 / 58
p0 −69.94 ± 1.885
pull
Entries 59
Mean 14.7
Std Dev 22.53

pull1D
Entries 59
Mean 0.2569
Std Dev 1.772

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 498.2 / 58
p0 −0.7138 ± 0.9099
pull
Entries 59
Mean 42.97
Std Dev 14.61

pull1D
Entries 59
Mean 0.8913
Std Dev 2.766

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 511.9 / 58
p0 72.76 ± 1.112
pull
Entries 59
Mean 40.78
Std Dev 15.06

pull1D
Entries 59
Mean −0.9737
Std Dev 2.78

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 21.07 / 58
p0 −1.189 ± 0.0644
pull
Entries 59
Mean 146.5
Std Dev 110.7
pull1D
Entries 59
Mean −0.01874
Std Dev 0.5973

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 52.88 / 58
p0 −60.46 ± 1.634
pull
Entries 59
Mean 12.21
Std Dev 23.88

pull1D
Entries 59
Mean 0.1383
Std Dev 0.9366

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 255.2 / 58
p0 37.65 ± 0.7911
pull
Entries 59
Mean 42.83
Std Dev 14.07

pull1D
Entries 59
Mean 0.6427
Std Dev 1.978

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 39.64 / 58
p0 2.575 ± 1.574
pull
Entries 59
Mean 25.84
Std Dev 12.21

pull1D
Entries 59
Mean −0.1151
Std Dev 0.8116

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 267.7 / 58
p0 40.72 ± 0.9651
pull
Entries 59
Mean 39.84
Std Dev 15.13

pull1D
Entries 59
Mean −0.7122
Std Dev 2.007

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.608 / 58
p0 −0.6773 ± 0.05591
pull
Entries 59
Mean 218.8
Std Dev 186.7

pull1D
Entries 59
Mean −0.0116
Std Dev 0.3818

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.94 / 58
p0 −30.17 ± 0.7816
pull
Entries 59
Mean −37.91
Std Dev 78.66

pull1D
Entries 59
Mean 0.02345
Std Dev 0.7469

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 512.7 / 58
p0 −35.49 ± 0.3806
pull
Entries 59
Mean 37.49
Std Dev 15.33
pull1D
Entries 59
Mean −0.9413
Std Dev 2.793

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.68 / 58
p0 3.677 ± 0.7531
pull
Entries 59
Mean 62.47
Std Dev 40.39

pull1D
Entries 59
Mean 0.00543
Std Dev 0.6335

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 7.215 / 58
p0 −0.1439 ± 0.02684
pull
Entries 59
Mean 46.89
Std Dev 50.42

pull1D
Entries 59
Mean 0.008878
Std Dev 0.3496

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ2 / ndf 110.7 / 58
p0 −3.31 ± 0.4175
pull
Entries 59
Mean 39.47
Std Dev 16.92

pull1D
Entries 59
Mean −0.4163
Std Dev 1.305

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.13 / 58
p0 17.85 ± 0.8353
pull
Entries 59
Mean 24.28
Std Dev 15.19

pull1D
Entries 59
Mean 0.1756
Std Dev 1.107

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 9.637 / 58
p0 0.35 ± 0.02976
pull
Entries 59
Mean 212
Std Dev 173.6

pull1D
Entries 59
Mean 0.009737
Std Dev 0.404

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 20.87 / 58
p0 −82.79 ± 2.389
pull
Entries 59
Mean 9.773
Std Dev 31.62

pull1D
Entries 59
Mean 0.06861
Std Dev 0.5908

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.48 / 58
p0 −27.92 ± 2.302
pull
Entries 59
Mean 17.99
Std Dev 26.2
pull1D
Entries 59
Mean −0.05199
Std Dev 0.4752

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 176.5 / 58
p0 −34.55 ± 1.422
pull
Entries 59
Mean 36.21
Std Dev 15.9

pull1D
Entries 59
Mean 0.6072
Std Dev 1.62

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.94 / 58
p0 −0.7975 ± 0.08253
pull
Entries 59
Mean 21.16
Std Dev 87.2

pull1D
Entries 59
Mean 0.002767
Std Dev 0.2232

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 118.1 / 58
p0 −3.355 ± 1.385
pull
Entries 59
Mean 21.48
Std Dev 8.322

pull1D
Entries 59
Mean −0.1465
Std Dev 1.407

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1545 / 58
p0 −1.676 ± 0.6944
pull
Entries 59
Mean 42.45
Std Dev 14.46

pull1D
Entries 59
Mean −1.774
Std Dev 4.123

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 117.4 / 58
p0 −32.38 ± 1.335
pull
Entries 59
Mean 31.26
Std Dev 7.138

pull1D
Entries 59
Mean 0.1255
Std Dev 1.405

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1607 / 58
p0 −94.66 ± 0.8498
pull
Entries 59
Mean 41.05
Std Dev 14.69

pull1D
Entries 59
Mean 1.98
Std Dev 4.215

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.41 / 58
p0 0.1729 ± 0.04777
pull
Entries 59
Mean 346.2
Std Dev 318.8

pull1D
Entries 59
Mean 0.007874
Std Dev 0.5735

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 56.53 / 58
p0 −26.49 ± 0.833
pull
Entries 59
Mean 6.13
Std Dev 33.62

pull1D
Entries 59
Mean 0.1151
Std Dev 0.972

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.77 / 58
p0 0.665 ± 0.3996
pull
Entries 59
Mean 19.61
Std Dev 3.301

pull1D
Entries 59
Mean −0.222
Std Dev 0.9465

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.08 / 58
p0 −12.34 ± 0.8026
pull
Entries 59
Mean 31.16
Std Dev 19.97

pull1D
Entries 59
Mean −0.07931
Std Dev 0.6976

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.39 / 58
p0 −5.653 ± 0.488
pull
Entries 59
Mean 27.83
Std Dev 14.03

pull1D
Entries 59
Mean 0.2545
Std Dev 0.9617

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 8.426 / 58
p0 −0.1489 ± 0.02851
pull
Entries 59
Mean 146.3
Std Dev 95.05

pull1D
Entries 59
Mean −0.006984
Std Dev 0.3778

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 42.88 / 58
p0 −73.9 ± 2.427
pull
Entries 59
Mean 10.9
Std Dev 28.14

pull1D
Entries 59
Mean 0.1267
Std Dev 0.8431

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.67 / 58
p0 0.09099 ± 1.176
pull
Entries 59
Mean 28.82
Std Dev 14.33

pull1D
Entries 59
Mean −0.2566
Std Dev 0.8713

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.59 / 58
p0 −39.22 ± 2.338
pull
Entries 59
Mean 17.33
Std Dev 22.64

pull1D
Entries 59
Mean −0.1046
Std Dev 0.6758

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.17 / 58
p0 −24.84 ± 1.436
pull
Entries 59
Mean 31.83
Std Dev 15.72

pull1D
Entries 59
Mean 0.2823
Std Dev 0.9157

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.935 / 58
p0 −1.028 ± 0.08364
pull
Entries 59
Mean 846.8
Std Dev 772.1
pull1D
Entries 59
Mean −0.0003529
Std Dev 0.2583

reg_asym_sam_1357_2468_dd_diff_bpm4aX_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
χ^2 / ndf 29.35 / 58
p0 13.4 ± 0.7703
pull
Entries 59
Mean 12.75
Std Dev 24.83

pull1D
Entries 59
Mean 0.121
Std Dev 0.6949

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.969 / 58
p0 0.4391± 0.02766
pull
Entries 59
Mean 30.51
Std Dev 116.1

pull1D
Entries 59
Mean −0.001615
Std Dev 0.2594

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 45.9 / 58
p0 −50.21 ± 1.629
pull
Entries 59
Mean 9.81
Std Dev 29.37

pull1D
Entries 59
Mean 0.1246
Std Dev 0.8732

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.37 / 58
p0 −25.8 ± 1.569
pull
Entries 59
Mean 20.19
Std Dev 21.5

pull1D
Entries 59
Mean −0.0974
Std Dev 0.6741

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

reg_asym_atl1_diff_bpm4aX_slope vs run
χ^2 / ndf 61.83 / 58
p0 34.05 ± 5.051
150
100
50
0
−50
pull
Entries 59
Mean 69.14
Std Dev 41.86
2
1
0
−1
−2

pull1D
Entries 59
Mean 0.06041
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 51.79 / 58
p0 −2.348 ± 2.463
pull
Entries 59
Mean 34.2
Std Dev 46.58

pull1D
Entries 59
Mean −0.03046
Std Dev 0.9364

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 61.1 / 58
p0 −49.13 ± 4.867
pull
Entries 59
Mean 67.98
Std Dev 40.59
pull1D
Entries 59
Mean −0.05912
Std Dev 1.016

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 49.97 / 58
p0 −21.79 ± 3.001
pull
Entries 59
Mean 70.76
Std Dev 34.86

pull1D
Entries 59
Mean 0.01923
Std Dev 0.9201

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 48.76 / 58
p0 42.51 ± 0.1749
pull
Entries 59
Mean −155
Std Dev 208.6

pull1D
Entries 59
Mean −0.005316
Std Dev 0.9091

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 26.96 / 58
p0 −351.6 ± 15.86
pull
Entries 59
Mean 22.32
Std Dev 18.86

pull1D
Entries 59
Mean −0.08364
Std Dev 0.6708

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 8.54 / 58
p0 22.09 ± 7.73
pull
Entries 59
Mean 1.006
Std Dev 15.36

pull1D
Entries 59
Mean 0.03627
Std Dev 0.3787

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 27.37 / 58
p0 197.7 ± 15.28
pull
Entries 59
Mean 22.45
Std Dev 19.12

pull1D
Entries 59
Mean 0.08442
Std Dev 0.6758

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 8.698 / 58
p0 124.2 ± 9.429
pull
Entries 59
Mean −5.674
Std Dev 26.87

pull1D
Entries 59
Mean −0.03806
Std Dev 0.3821

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 85.44 / 58
p0 −323 ± 0.5507
pull
Entries 59
Mean −356.7
Std Dev 393

pull1D
Entries 59
Mean 0.02295
Std Dev 1.203

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 53.46 / 58
p0 −51.04 ± 19.87
pull
Entries 59
Mean 6.252
Std Dev 36.14

pull1D
Entries 59
Mean −0.02085
Std Dev 0.9517

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 52.11 / 58
p0 19.12 ± 9.765
pull
Entries 59
Mean 71.61
Std Dev 38.7

pull1D
Entries 59
Mean −0.08704
Std Dev 0.9358

reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 54.01 / 58
p0 58.62 ± 19.14
pull
Entries 59
Mean 7.875
Std Dev 34.79

pull1D
Entries 59
Mean 0.02109
Std Dev 0.9565

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 51.96 / 58
p0 4.218 ± 11.92
pull
Entries 59
Mean 68.53
Std Dev 33.92

pull1D
Entries 59
Mean 0.106
Std Dev 0.9325

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 90.24 / 58
p0 −94.54 ± 0.6865
pull
Entries 59
Mean 75.41
Std Dev 76.37

pull1D
Entries 59
Mean −0.02983
Std Dev 1.236

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 53.61 / 58
p0 −256.8 ± 19.35
pull
Entries 59
Mean 20.45
Std Dev 12.68

pull1D
Entries 59
Mean −0.127
Std Dev 0.9447

reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 19.96 / 58
p0 20.14 ± 9.445
pull
Entries 59
Mean 18.29
Std Dev 14.93

pull1D
Entries 59
Mean 0.05118
Std Dev 0.5794

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 53.14 / 58
p0 418.1 ± 18.64
pull
Entries 59
Mean 20.41
Std Dev 11.99

pull1D
Entries 59
Mean 0.1254
Std Dev 0.9407

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 19.92 / 58
p0 220.4 ± 11.52
pull
Entries 59
Mean 15.17
Std Dev 15.77

pull1D
Entries 59
Mean −0.05864
Std Dev 0.5781

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 101.7 / 58
p0 −419.3 ± 0.6703
pull
Entries 59
Mean −483.3
Std Dev 519.1

pull1D
Entries 59
Mean 0.022
Std Dev 1.313

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 24.16 / 58
p0 −158 ± 7.55
pull
Entries 59
Mean 8.485
Std Dev 27.17

pull1D
Entries 59
Mean −0.07427
Std Dev 0.6355

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 11.84 / 58
p0 9.848 ± 3.676
pull
Entries 59
Mean −8.393
Std Dev 37.9

pull1D
Entries 59
Mean 0.02817
Std Dev 0.447

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 24.63 / 58
p0 73.61 ± 7.274
pull
Entries 59
Mean 9.448
Std Dev 26.76

pull1D
Entries 59
Mean 0.07551
Std Dev 0.6416

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ2 / ndf 11.91 / 58
p0 51.22 ± 4.483
pull
Entries 59
Mean −18.51
Std Dev 47.37

pull1D
Entries 59
Mean −0.03361
Std Dev 0.448

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 92.79 / 58
p0 −140.3 ± 0.262
pull
Entries 59
Mean −323.8
Std Dev 359.5

pull1D
Entries 59
Mean 0.02564
Std Dev 1.254

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.19 / 58
p0 193.3 ± 9.04
pull
Entries 59
Mean 32.01
Std Dev 17.62

pull1D
Entries 59
Mean 0.08659
Std Dev 0.7563

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.24 / 58
p0 −12.27 ± 4.406
pull
Entries 59
Mean 7.209
Std Dev 20.52

pull1D
Entries 59
Mean −0.03992
Std Dev 0.472

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.39 / 58
p0 −123.9 ± 8.71
pull
Entries 59
Mean 31.66
Std Dev 17.79
pull1D
Entries 59
Mean −0.08689
Std Dev 0.7585

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.11 / 58
p0 −72.92 ± 5.374
pull
Entries 59
Mean 4.333
Std Dev 14.6

pull1D
Entries 59
Mean 0.03855
Std Dev 0.4697

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 75.54 / 58
p0 182.8 ± 0.3138
pull
Entries 59
Mean −319.7
Std Dev 356.6
pull1D
Entries 59
Mean −0.02309
Std Dev 1.131

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 52.87 / 58
p0 −151.9 ± 15.11
pull
Entries 59
Mean 18.31
Std Dev 16.51

pull1D
Entries 59
Mean −0.1041
Std Dev 0.9409

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ2 / ndf 28.57 / 58
p0 19.99 ± 7.422
pull
Entries 59
Mean 127.6
Std Dev 94.4

pull1D
Entries 59
Mean −0.02727
Std Dev 0.6954

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 52.93 / 58
p0 236.3 ± 14.56
pull
Entries 59
Mean 18.46
Std Dev 15.89

pull1D
Entries 59
Mean 0.1035
Std Dev 0.9415

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.02 / 58
p0 112.2 ± 9.059
pull
Entries 59
Mean 125.3
Std Dev 91.44

pull1D
Entries 59
Mean 0.03325
Std Dev 0.6883

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 68.72 / 58
p0 −257 ± 0.5235
pull
Entries 59
Mean −904
Std Dev 934.5

pull1D
Entries 59
Mean 0.008952
Std Dev 1.079

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 53.26 / 58
p0 100.9 ± 12.59
pull
Entries 59
Mean 22.79
Std Dev 5.217

pull1D
Entries 59
Mean 0.09301
Std Dev 0.9456

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.11 / 58
p0 −0.2394 ± 6.154
pull
Entries 59
Mean 51.08
Std Dev 18.05

pull1D
Entries 59
Mean −0.1113
Std Dev 0.8866

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.34 / 58
p0 −177.9 ± 12.13
pull
Entries 59
Mean 22.56
Std Dev 6.485

pull1D
Entries 59
Mean −0.09126
Std Dev 0.9464

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.23 / 58
p0 −108.2 ± 7.512
pull
Entries 59
Mean 49.69
Std Dev 13.64

pull1D
Entries 59
Mean 0.1288
Std Dev 0.8854

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 136.3 / 58
p0 162.3 ± 0.4343
pull
Entries 59
Mean −171.5
Std Dev 213.7

pull1D
Entries 59
Mean −0.03797
Std Dev 1.519

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 54.46 / 58
p0 −9.079 ± 10.08
pull
Entries 59
Mean −513.4
Std Dev 549.7

pull1D
Entries 59
Mean −0.001892
Std Dev 0.9608

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.08 / 58
p0 8.241 ± 4.951
pull
Entries 59
Mean 69.25
Std Dev 33.89

pull1D
Entries 59
Mean −0.09195
Std Dev 0.9706

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.36 / 58
p0 5.32 ± 9.715
pull
Entries 59
Mean −378.6
Std Dev 415.2

pull1D
Entries 59
Mean 0.002378
Std Dev 0.9686

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 55.62 / 58
p0 −8.594 ± 6.043
pull
Entries 59
Mean 69.34
Std Dev 33.19

pull1D
Entries 59
Mean 0.1076
Std Dev 0.9649

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 89.82 / 58
p0 −26.01 ± 0.3483
pull
Entries 59
Mean 62.77
Std Dev 69.75

pull1D
Entries 59
Mean −0.03234
Std Dev 1.233

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ2 / ndf 53 / 58
p0 42.02 ± 10.42
pull
Entries 59
Mean 31.25
Std Dev 21.4

pull1D
Entries 59
Mean 0.03752
Std Dev 0.947

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.21 / 58
p0 −10.92 ± 5.123
150
100
50
0
−50
−100
−150
pull
Entries 59
Mean 73.96
Std Dev 43.37
2
1
0
−1
−2
−3

pull1D
Entries 59
Mean 0.07746
Std Dev 0.9006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.08 / 58
p0 −53.36 ± 10.04
pull
Entries 59
Mean 31.21
Std Dev 21.03

pull1D
Entries 59
Mean −0.03753
Std Dev 0.9478

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 48.11 / 58
p0 −12.81 ± 6.253
pull
Entries 59
Mean 67.73
Std Dev 34.77

pull1D
Entries 59
Mean −0.09786
Std Dev 0.8977

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 85.53 / 58
p0 68.53 ± 0.3602
pull
Entries 59
Mean 90.86
Std Dev 86.41
pull1D
Entries 59
Mean 0.02545
Std Dev 1.204

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 40.17 / 58
p0 −304.4 ± 16.68
pull
Entries 59
Mean 21.13
Std Dev 15.1

pull1D
Entries 59
Mean −0.1127
Std Dev 0.8174

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.21 / 58
p0 21.02 ± 8.138
pull
Entries 59
Mean 11.58
Std Dev 13.05

pull1D
Entries 59
Mean 0.04758
Std Dev 0.4525

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 39.95 / 58
p0 308.1 ± 16.07
pull
Entries 59
Mean 21.16
Std Dev 14.87

pull1D
Entries 59
Mean 0.1121
Std Dev 0.8152

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 12.49 / 58
p0 172.4 ± 9.927
pull
Entries 59
Mean 7.645
Std Dev 18.04

pull1D
Entries 59
Mean −0.05271
Std Dev 0.4571

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 97.43 / 58
p0 −371.1 ± 0.5784
pull
Entries 59
Mean −442.2
Std Dev 478.2

pull1D
Entries 59
Mean 0.02275
Std Dev 1.285

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 65.32 / 58
p0 49.29 ± 5.908
pull
Entries 59
Mean 18.27
Std Dev 8.337

pull1D
Entries 59
Mean −0.1163
Std Dev 1.046

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.81 / 58
p0 −1.377 ± 2.875
pull
Entries 59
Mean 34.79
Std Dev 30.02

pull1D
Entries 59
Mean 0.03946
Std Dev 0.8101

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 65.85 / 58
p0 108.3 ± 5.692
pull
Entries 59
Mean 18.08
Std Dev 11.01

pull1D
Entries 59
Mean 0.113
Std Dev 1.05

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 37.03 / 58
p0 48.63 ± 3.504
pull
Entries 59
Mean 33.03
Std Dev 24.77

pull1D
Entries 59
Mean −0.04862
Std Dev 0.7907

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 73.24 / 58
p0 −48.14 ± 0.2047
pull
Entries 59
Mean −997.8
Std Dev 1032

pull1D
Entries 59
Mean 0.0065
Std Dev 1.114

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 50.08 / 58
p0 −110.6 ± 9.194
pull
Entries 59
Mean 13.42
Std Dev 17.66

pull1D
Entries 59
Mean −0.1231
Std Dev 0.9131

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.52 / 58
p0 8.884 ± 4.485
pull
Entries 59
Mean 16.48
Std Dev 26.13

pull1D
Entries 59
Mean 0.04537
Std Dev 0.6161

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.66 / 58
p0 183.8 ± 8.858
pull
Entries 59
Mean 13.6
Std Dev 16.99
pull1D
Entries 59
Mean 0.1217
Std Dev 0.9094

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.62 / 58
p0 99.34 ± 5.469
pull
Entries 59
Mean 10.58
Std Dev 26.04

pull1D
Entries 59
Mean −0.05601
Std Dev 0.6166

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 102.8 / 58
p0 −188.4 ± 0.3184
−180
−185
−190
−195
−200
pull
Entries 59
Mean −510
Std Dev 545.3

pull1D
Entries 59
Mean 0.02154
Std Dev 1.32

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 57.06 / 58
p0 145.8 ± 10.75
pull
Entries 59
Mean 26.23
Std Dev 10.4

pull1D
Entries 59
Mean 0.1257
Std Dev 0.9754

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.71 / 58
p0 −11.24 ± 5.247
pull
Entries 59
Mean 19.77
Std Dev 10.55

pull1D
Entries 59
Mean −0.05352
Std Dev 0.6043

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 56.52 / 58
p0 −234 ± 10.35
pull
Entries 59
Mean 26.02
Std Dev 9.572

pull1D
Entries 59
Mean −0.124
Std Dev 0.9709

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.32 / 58
p0 −121.1 ± 6.4
pull
Entries 59
Mean 19.09
Std Dev 8.841

pull1D
Entries 59
Mean 0.05781
Std Dev 0.5983

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 95.36 / 58
p0 230.9 ± 0.3724
pull
Entries 59
Mean −428.7
Std Dev 464.9
pull1D
Entries 59
Mean −0.0227
Std Dev 1.271

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 37.68 / 58
p0 −200 ± 13.85
pull
Entries 59
Mean 17.75
Std Dev 22.46

pull1D
Entries 59
Mean −0.0691
Std Dev 0.7961

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.25 / 58
p0 21.33 ± 6.795
pull
Entries 59
Mean 93.49
Std Dev 62.95

pull1D
Entries 59
Mean −0.04768
Std Dev 0.6903

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.69 / 58
p0 126.8 ± 13.34
pull
Entries 59
Mean 18.17
Std Dev 22.25

pull1D
Entries 59
Mean 0.07011
Std Dev 0.7961

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 28.6 / 58
p0 63.52 ± 8.295
pull
Entries 59
Mean 90.79
Std Dev 58.78

pull1D
Entries 59
Mean 0.05871
Std Dev 0.6937

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 50.16 / 58
p0 −208.9 ± 0.4799
pull
Entries 59
Mean −789.5
Std Dev 818.2

pull1D
Entries 59
Mean 0.007701
Std Dev 0.9221

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ2 / ndf 48.82 / 58
p0 149.6 ± 11.56
pull
Entries 59
Mean 28.73
Std Dev 9.64

pull1D
Entries 59
Mean 0.04466
Std Dev 0.9086

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.25 / 58
p0 −1.467 ± 5.647
pull
Entries 59
Mean 54.28
Std Dev 16.15

pull1D
Entries 59
Mean −0.09971
Std Dev 0.8603

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 50.01 / 58
p0 −69.01 ± 11.14
pull
Entries 59
Mean 28.28
Std Dev 11.1

pull1D
Entries 59
Mean −0.04459
Std Dev 0.9196

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.48 / 58
p0 −59.77 ± 6.893
pull
Entries 59
Mean 53.08
Std Dev 12.14

pull1D
Entries 59
Mean 0.1146
Std Dev 0.8508

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 147.4 / 58
p0 114.3 ± 0.3993
pull
Entries 59
Mean −75.48
Std Dev 121.5
pull1D
Entries 59
Mean −0.04832
Std Dev 1.58

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.68 / 58
p0 −6.07 ± 4.539
pull
Entries 59
Mean 41.07
Std Dev 12.74

pull1D
Entries 59
Mean −0.09692
Std Dev 0.7026

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.34 / 58
p0 −151.5 ± 8.96
pull
Entries 59
Mean 26.7
Std Dev 9.47

pull1D
Entries 59
Mean −0.0998
Std Dev 0.8901

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.42 / 58
p0 −90.6 ± 5.539
pull
Entries 59
Mean 41.24
Std Dev 13.84

pull1D
Entries 59
Mean 0.1058
Std Dev 0.6982

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 130.5 / 58
p0 172.5 ± 0.3216
pull
Entries 59
Mean −249.5
Std Dev 289.5
pull1D
Entries 59
Mean −0.03225
Std Dev 1.487

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 45.41 / 58
p0 45.77 ± 5.804
pull
Entries 59
Mean 4.808
Std Dev 18.98

pull1D
Entries 59
Mean −0.02819
Std Dev 0.8768

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.3 / 58
p0 −6.305 ± 2.845
pull
Entries 59
Mean 62.74
Std Dev 34.8

pull1D
Entries 59
Mean 0.09418
Std Dev 0.9093

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 50.23 / 58
p0 18.06 ± 3.471
pull
Entries 59
Mean 58.72
Std Dev 28.04

pull1D
Entries 59
Mean −0.1164
Std Dev 0.9153

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 40.54 / 58
p0 −155.3 ± 10.22
pull
Entries 59
Mean 15.54
Std Dev 19.77

pull1D
Entries 59
Mean −0.1019
Std Dev 0.8226

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.87 / 58
p0 15.08 ± 5.007
pull
Entries 59
Mean 227.3
Std Dev 194.6

pull1D
Entries 59
Mean −0.01182
Std Dev 0.5654

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ2 / ndf 18.92 / 58
p0 81.56 ± 6.111
pull
Entries 59
Mean 251
Std Dev 218.1
pull1D
Entries 59
Mean 0.01324
Std Dev 0.5661

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 67.1 / 58
p0 −198.6 ± 0.3544
pull
Entries 59
Mean −545.3
Std Dev 577.7

pull1D
Entries 59
Mean 0.01658
Std Dev 1.066

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 64.62 / 58
p0 −3.933 ± 6.191
pull
Entries 59
Mean 22.95
Std Dev 7.991

pull1D
Entries 59
Mean 0.09064
Std Dev 1.043

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.22 / 58
p0 −80.55 ± 5.965
pull
Entries 59
Mean 22.89
Std Dev 5.361

pull1D
Entries 59
Mean −0.08902
Std Dev 1.048

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.92 / 58
p0 −30.76 ± 3.71
pull
Entries 59
Mean 82.74
Std Dev 47.23

pull1D
Entries 59
Mean −0.05683
Std Dev 0.8309

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 202.1 / 58
p0 3.354 ± 0.3855
pull
Entries 59
Mean 15.94
Std Dev 10.3

pull1D
Entries 59
Mean 0.422
Std Dev 1.802

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 118.8 / 58
p0 −0.9979 ± 0.1905
pull
Entries 59
Mean 30.62
Std Dev 8.199

pull1D
Entries 59
Mean −0.2494
Std Dev 1.397

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 200.7 / 58
p0 −3.098 ± 0.3715
pull
Entries 59
Mean 16.22
Std Dev 10
pull1D
Entries 59
Mean −0.4189
Std Dev 1.796

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 124.2 / 58
p0 2.448 ± 0.2328
pull
Entries 59
Mean 32.25
Std Dev 8.856

pull1D
Entries 59
Mean 0.2937
Std Dev 1.421

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 166.4 / 58
p0 0.2134 ± 0.01339
pull
Entries 59
Mean 11.32
Std Dev 10.45
pull1D
Entries 59
Mean 0.2844
Std Dev 1.655

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 201.2 / 58
p0 3.27 ± 0.3838
pull
Entries 59
Mean 15.99
Std Dev 10.16

pull1D
Entries 59
Mean 0.4213
Std Dev 1.798

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 119.2 / 58
p0 −1.006 ± 0.1897
pull
Entries 59
Mean 31.08
Std Dev 7.629

pull1D
Entries 59
Mean −0.2519
Std Dev 1.399

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 199.8 / 58
p0 −3.017 ± 0.3698
pull
Entries 59
Mean 16.27
Std Dev 9.847

pull1D
Entries 59
Mean −0.4183
Std Dev 1.792

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 124.6 / 58
p0 2.451 ± 0.2318
pull
Entries 59
Mean 32.76
Std Dev 8.497

pull1D
Entries 59
Mean 0.296
Std Dev 1.422

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 166.2 / 58
p0 0.2117 ± 0.01333
pull
Entries 59
Mean 11.94
Std Dev 9.462
pull1D
Entries 59
Mean 0.2832
Std Dev 1.654

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ2 / ndf 199.4 / 58
p0 3.256 ± 0.386
pull
Entries 59
Mean 16.36
Std Dev 9.153

pull1D
Entries 59
Mean 0.422
Std Dev 1.789

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 120.4 / 58
p0 −1.059 ± 0.1909
pull
Entries 59
Mean 30.4
Std Dev 8.475

pull1D
Entries 59
Mean −0.2487
Std Dev 1.407

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 198 / 58
p0 −3.02 ± 0.3719
pull
Entries 59
Mean 16.65
Std Dev 8.817

pull1D
Entries 59
Mean −0.419
Std Dev 1.783

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 125.2 / 58
p0 2.498 ± 0.2332
pull
Entries 59
Mean 32.3
Std Dev 9.036

pull1D
Entries 59
Mean 0.2917
Std Dev 1.427

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 167.9 / 58
p0 0.213 ± 0.01341
pull
Entries 59
Mean 11.37
Std Dev 10.91

pull1D
Entries 59
Mean 0.2867
Std Dev 1.663

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 204.9 / 58
p0 3.158 ± 0.3948
pull
Entries 59
Mean 15.07
Std Dev 10.8

pull1D
Entries 59
Mean 0.4204
Std Dev 1.815

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 109.9 / 58
p0 −1.032 ± 0.1954
pull
Entries 59
Mean 31.11
Std Dev 9.588

pull1D
Entries 59
Mean −0.2225
Std Dev 1.347

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 203.5 / 58
p0 −2.926 ± 0.3804
pull
Entries 59
Mean 15.31
Std Dev 10.55

pull1D
Entries 59
Mean −0.4171
Std Dev 1.81

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 115.2 / 58
p0 2.471 ± 0.2388
pull
Entries 59
Mean 32.6
Std Dev 10.18

pull1D
Entries 59
Mean 0.2658
Std Dev 1.372

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 166.2 / 58
p0 0.2188 ± 0.01372
pull
Entries 59
Mean 9.816
Std Dev 12.32

pull1D
Entries 59
Mean 0.289
Std Dev 1.653

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 197.7 / 58
p0 3.019 ± 0.3981
pull
Entries 59
Mean 16.07
Std Dev 8.998

pull1D
Entries 59
Mean 0.4132
Std Dev 1.783

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 118.7 / 58
p0 −0.986 ± 0.1969
pull
Entries 59
Mean 32.49
Std Dev 9.031

pull1D
Entries 59
Mean −0.2371
Std Dev 1.399

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 196.6 / 58
p0 −2.79 ± 0.3836
pull
Entries 59
Mean 16.32
Std Dev 8.72

pull1D
Entries 59
Mean −0.4106
Std Dev 1.778

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 123 / 58
p0 2.441 ± 0.2406
pull
Entries 59
Mean 33.98
Std Dev 9.931

pull1D
Entries 59
Mean 0.2775
Std Dev 1.417

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 165.7 / 58
p0 0.2233 ± 0.01382
pull
Entries 59
Mean 10.77
Std Dev 13.3
pull1D
Entries 59
Mean 0.2765
Std Dev 1.653