dit_asym_us_avg_mean vs run
χ² / ndf 77.3 / 84
p0 −2076 ± 907
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −262.9
Std Dev 301.2
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01026
Std Dev 0.9536
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_avg_rms vs run
χ^2 / ndf 183.4 / 84
p0 823.8 ± 0.6414
860
850
840
830
820
810
800

asym_us_avg_correction_mean vs run
χ² / ndf 102.1 / 84
p0 −1060 ± 1412
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −112.5
Std Dev 155.6
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.03212
Std Dev 1.096
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_avg_correction_rms vs run

asym_us_avg_mean vs run
χ² / ndf 103.5 / 84
p0 −982 ± 1644
pull
Entries 85
Mean −131.8
Std Dev 173.4
pull1D
Entries 85
Mean −0.03461
Std Dev 1.103

asym_us_avg_rms vs run
χ2 / ndf 1559 / 84
p0 1493 ± 1.163
1650
1600
1550
1500
1450
1400

dit_asym_us_dd_mean vs run
χ² / ndf 70.67 / 84
p0 −719.5 ± 886.2
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 181.1
Std Dev 130.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.006107
Std Dev 0.9118
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_dd_rms vs run
χ^2 / ndf 150.1 / 84
p0 804.9 ± 0.6266
850
840
830
820
810
800
790
780
770

asym_us_dd_correction_mean vs run
χ² / ndf 99.43 / 84
p0 243.9 ± 1868
pull
Entries 85
Mean −102.3
Std Dev 143.3
pull1D
Entries 85
Mean 0.03401
Std Dev 1.081

asym_us_dd_correction_rms vs run
χ² / ndf 976.5 / 84
p0 1696 ± 1.321
1800
1750
1700
1650
1600

asym_us_dd_mean vs run
χ² / ndf 74.29 / 84
p0 −55.32 ± 1066
pull
Entries 85
Mean −124.7
Std Dev 162.2
pull1D
Entries 85
Mean 0.007022
Std Dev 0.9348

asym_us_dd_rms vs run

dit_asym_usl_mean vs run
χ² / ndf 78.12 / 84
p0 −2797 ± 1275
pull
Entries 85
Mean −878.5
Std Dev 919.3
pull1D
Entries 85
Mean −0.003058
Std Dev 0.9586

dit_asym_usl_rms vs run

asym_usl_correction_mean vs run
χ² / ndf 95.99 / 84
p0 −1708 ± 1583
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −75.88
Std Dev 119.7
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.02649
Std Dev 1.062
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_correction_rms vs run

asym_usl_mean vs run
χ² / ndf 91.5 / 84
p0 −994.6 ± 2005
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −123.9
Std Dev 166.1
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.02578
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_rms vs run

dit_asym_usr_mean vs run
χ² / ndf 70.33 / 84
p0 −1381 ± 1261
pull
Entries 85
Mean −111.1
Std Dev 144.9
pull1D
Entries 85
Mean −0.01066
Std Dev 0.9096

dit_asym_usr_rms vs run

asym_usr_correction_mean vs run
χ² / ndf 100.1 / 84
p0 −442.5 ± 1486
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −136.3
Std Dev 179.1
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.03409
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usr_correction_rms vs run

asym_usr_mean vs run
χ² / ndf 99.57 / 84
p0 −893.6 ± 1914
pull
Entries 85
Mean −125.7
Std Dev 166.9
pull1D
Entries 85
Mean −0.03491
Std Dev 1.082

asym_usr_rms vs run
χ2 / ndf 980.4 / 84
p0 1738 ± 1.354
1900
1850
1800
1750
1700
1650

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 91.66 / 84
p0 −5551 ± 2124
50
0
−50
−100
−150
pull
Entries 85
Mean −161.9
Std Dev 201.6
2
1
0
−1
−2

pull1D
Entries 85
Mean −0.02301
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at1_avg_rms vs run

asym_at1_avg_correction_mean vs run
χ² / ndf 102.7 / 84
p0 −613.2 ± 649.3
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −97.86
Std Dev 140.7
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.03065
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_avg_correction_rms vs run

asym_at1_avg_mean vs run
χ^2 / ndf 97.11 / 84
p0 −4866 ± 2218
×10^3
50
0
−50
−100
−150
pull
Entries 85
Mean −130.8
Std Dev 170.9
2
1
0
−1
−2

pull1D
Entries 85
Mean −0.03374
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_avg_rms vs run
χ² / ndf 3.403e+04 / 84
p0 1994 ± 1.568
6000
5500
5000
4500
4000
3500
3000
2500
2000

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 66.86 / 84
p0 −2579 ± 2121
50
0
−50
−100
−150
pull
Entries 85
Mean 89.5
Std Dev 52.89
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 85
Mean −0.02821
Std Dev 0.8865
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at1_dd_rms vs run
χ² / ndf 3.568e+04 / 84
p0 1905 ± 1.499
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_at1_dd_correction_mean vs run
χ² / ndf 77.54 / 84
p0 426.2 ± 478.6
pull
Entries 85
Mean −233.3
Std Dev 276.1
pull1D
Entries 85
Mean 0.01609
Std Dev 0.955

asym_at1_dd_correction_rms vs run

asym_at1_dd_mean vs run
×10^3
χ² / ndf 63.43 / 84
p0 −3115 ± 2176
pull
Entries 85
Mean 50.3
Std Dev 26.53

pull1D
Entries 85
Mean −0.02861
Std Dev 0.8634

asym_at1_dd_rms vs run

dit_asym_at2_avg_mean vs run
χ² / ndf 78.72 / 84
p0 −4738 ± 2457
pull
Entries 85
Mean 298.3
Std Dev 264.9
pull1D
Entries 85
Mean −0.01419
Std Dev 0.9622

dit_asym_at2_avg_rms vs run

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 102.1 / 84
p0 −7280 ± 9937
pull
Entries 85
Mean −113.9
Std Dev 157

pull1D
Entries 85
Mean 0.03227
Std Dev 1.095

asym_at2_avg_correction_rms vs run

asym_at2_avg_mean vs run
×10^3
χ² / ndf 108.8 / 84
p0 2660 ± 1.002e+04
pull
Entries 85
Mean −70.74
Std Dev 115.9

pull1D
Entries 85
Mean −0.0362
Std Dev 1.131

asym_at2_avg_rms vs run
χ² / ndf 2718 / 84
p0 9093 ± 7.085
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200

dit_asym_at2_dd_mean vs run
χ² / ndf 95.39 / 84
p0 −798 ± 2041
pull
Entries 85
Mean 208.8
Std Dev 177.1
pull1D
Entries 85
Mean −0.00877
Std Dev 1.059

dit_asym_at2_dd_rms vs run

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 94.3 / 84
p0 −64.39 ± 4223
pull
Entries 85
Mean 136.3
Std Dev 105.2

pull1D
Entries 85
Mean −0.01411
Std Dev 1.053

asym_at2_dd_correction_rms vs run

asym_at2_dd_mean vs run
χ² / ndf 92 / 84
p0 −675.1± 2318
pull
Entries 85
Mean 111
Std Dev 80.68
pull1D
Entries 85
Mean 0.01656
Std Dev 1.04

asym_at2_dd_rms vs run
χ^2 / ndf 269.6 / 84
p0 2105 ± 1.639
2200
2180
2160
2140
2120
2100
2080
2060
2040
2020

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 79.9 / 84
p0 −7342 ± 2227
50
0
−50
−100
−150
pull
Entries 85
Mean 78.89
Std Dev 59.48
3
2
1
0
−1
−2

pull1D
Entries 85
Mean −0.02621
Std Dev 0.9692
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_avg_rms vs run
χ² / ndf 3.387e+04 / 84
p0 2002 ± 1.575
6000
5500
5000
4500
4000
3500
3000
2500
2000

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 101.9 / 84
p0 −4418 ± 5683
pull
Entries 85
Mean −110.4
Std Dev 153.5
pull1D
Entries 85
Mean 0.03184
Std Dev 1.095

asym_atl_avg_correction_rms vs run
χ^2 / ndf 2701 / 84
p0 5158 ± 4.019
5800
5600
5400
5200
5000
4800
4600

asym_atl_avg_mean vs run
×10^3
χ² / ndf 108.1 / 84
p0 −3656 ± 6042
200
100
0
−100
−200
pull
Entries 85
Mean −65.62
Std Dev 111.5
3
2
1
0
−1
−2

pull1D
Entries 85
Mean −0.03848
Std Dev 1.127
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_avg_rms vs run
χ² / ndf 7328 / 84
p0 5476 ± 4.273
8000
7500
7000
6500
6000
5500
5000

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 97.8 / 84
p0 −804.7 ± 2173
50
0
−50
−100
−150
pull
Entries 85
Mean −130.9
Std Dev 165.1
2
1
0
−1
−2

pull1D
Entries 85
Mean −0.02435
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_dd_rms vs run

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 100.6 / 84
p0 4253 ± 4986
pull
Entries 85
Mean −104.6
Std Dev 147.8
pull1D
Entries 85
Mean −0.0309
Std Dev 1.087

asym_atl_dd_correction_rms vs run

asym_atl_dd_mean vs run
×10^3
χ² / ndf 101.9 / 84
p0 −6208 ± 5406
pull
Entries 85
Mean −70.22
Std Dev 117.9
pull1D
Entries 85
Mean 0.02355
Std Dev 1.095

asym_atl_dd_rms vs run

dit_asym_atr_avg_mean vs run
χ² / ndf 71.32 / 84
p0 −3644 ± 2202
pull
Entries 85
Mean 707.8
Std Dev 663.8
pull1D
Entries 85
Mean 0.002279
Std Dev 0.916

dit_asym_atr_avg_rms vs run
χ² / ndf 163.9 / 84
p0 2000 ± 1.557
2100
2080
2060
2040
2020
2000
1980
1960
1940

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 102.4 / 84
p0 −3472 ± 4896
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −116.1
Std Dev 159.1
2
1
0
−1
−2
−3

pull1D
Entries 85
Mean 0.03257
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_avg_correction_rms vs run
χ^2 / ndf 2627 / 84
p0 4443 ± 3.462
5000
4800
4600
4400
4200
4000

asym_atr_avg_mean vs run
×10^3
χ² / ndf 110 / 84
p0 −72.73 ± 5256
pull
Entries 85
Mean −137.6
Std Dev 180.5

pull1D
Entries 85
Mean −0.03061
Std Dev 1.137

asym_atr_avg_rms vs run
χ^2 / ndf 2090 / 84
p0 4771 ± 3.716
5200
5000
4800
4600
4400

dit_asym_atr_dd_mean vs run
χ² / ndf 78.79 / 84
p0 261.8 ± 2168
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 434.4
Std Dev 396.8
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.01096
Std Dev 0.9627
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr_dd_rms vs run
χ^2 / ndf 143.6 / 84
p0 1969 ± 1.533
2040
2020
2000
1980
1960
1940
1920
1900

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 102.3 / 84
p0 2432 ± 4414
pull
Entries 85
Mean −124.4
Std Dev 167.4

pull1D
Entries 85
Mean −0.03348
Std Dev 1.096

asym_atr_dd_correction_rms vs run
χ² / ndf 2650 / 84
p0 4006 ± 3.121
4600
4400
4200
4000
3800
3600

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 106.5 / 84
p0 −2388 ± 4834
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −40.2
Std Dev 86.45
2
1
0
−1
−2
−3

pull1D
Entries 85
Mean 0.03789
Std Dev 1.119
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_dd_rms vs run
χ2 / ndf 1932 / 84
p0 4388 ± 3.418
5000
4800
4600
4400
4200
4000

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 77.01 / 84
p0 −5396 ± 1664
×10^3
pull
Entries 85
Mean 28.84
Std Dev 43.47

pull1D
Entries 85
Mean −0.02247
Std Dev 0.9516

dit_asym_atl_avg_atr_avg_avg_rms vs run

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 102.2 / 84
p0 −3945 ± 5286
pull
Entries 85
Mean −113.1
Std Dev 156.2

pull1D
Entries 85
Mean 0.03219
Std Dev 1.096

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2667 / 84
p0 4797 ± 3.738
5400
5200
5000
4800
4600
4400

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 111.4 / 84
p0 −2067 ± 5441
pull
Entries 85
Mean −99.36
Std Dev 143.8

pull1D
Entries 85
Mean −0.03463
Std Dev 1.145

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3244 / 84
p0 4937 ± 3.848
5800
5600
5400
5200
5000
4800
4600
4400

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.36 / 84
p0 −2152 ± 1491
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 169.1
Std Dev 137.4
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01577
Std Dev 0.9352
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_avg_atr_avg_dd_rms vs run

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 94.62 / 84
p0 −476.2 ± 441.1
pull
Entries 85
Mean −66.1
Std Dev 110.4
pull1D
Entries 85
Mean 0.02496
Std Dev 1.055

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 2982 / 84
p0 400.3 ± 0.3119
440
420
400
380
360

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.8 / 84
p0 −1625 ± 1556
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 86.52
Std Dev 61.03
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.02476
Std Dev 0.9564
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_avg_atr_avg_dd_rms vs run

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 92.83 / 84
p0 −554 ± 1616
pull
Entries 85
Mean −801.7
Std Dev 838
pull1D
Entries 85
Mean −0.006689
Std Dev 1.045

dit_asym_atl_dd_atr_dd_avg_rms vs run

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 101.9 / 84
p0 3335 ± 4652
pull
Entries 85
Mean −114.8
Std Dev 157.9

pull1D
Entries 85
Mean −0.03235
Std Dev 1.095

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2764 / 84
p0 4221 ± 3.289
4800
4600
4400
4200
4000
3800

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 106.3 / 84
p0 −4672 ± 4855
pull
Entries 85
Mean −44.44
Std Dev 90.88
pull1D
Entries 85
Mean 0.03532
Std Dev 1.118

asym_atl_dd_atr_dd_avg_rms vs run

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 85.6 / 84
p0 −611.6 ± 1478
pull
Entries 85
Mean 45.87
Std Dev 26.41
pull1D
Entries 85
Mean −0.02748
Std Dev 1.003

dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 78.74 / 84
p0 914.8 ± 730.9
pull
Entries 85
Mean 266.9
Std Dev 226.9
pull1D
Entries 85
Mean −0.005687
Std Dev 0.9625

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 2893 / 84
p0 663.2 ± 0.5168
740
720
700
680
660
640
620
600

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 79.38 / 84
p0 −1708 ± 1651
×10³
pull
Entries 85
Mean 14.52
Std Dev 7.477

pull1D
Entries 85
Mean −0.01722
Std Dev 0.9662

asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 1.964e+04 / 84
p0 1491 ± 1.168
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 84.31 / 84
p0 −7772 ± 2812
pull
Entries 85
Mean −40.31
Std Dev 81.59
pull1D
Entries 85
Mean −0.03248
Std Dev 0.9954

dit_asym_atl1_rms vs run

asym_atl1_correction_mean vs run
χ² / ndf 100.6 / 84
p0 −176.6 ± 833.3
pull
Entries 85
Mean −138.6
Std Dev 181.4
pull1D
Entries 85
Mean 0.03303
Std Dev 1.088

asym_atl1_correction_rms vs run

asym_atl1_mean vs run
χ^2 / ndf 90.07 / 84
p0 −7628 ± 2933
×10^3
pull
Entries 85
Mean −65.13
Std Dev 107

pull1D
Entries 85
Mean −0.04082
Std Dev 1.029

asym_atl1_rms vs run
χ^2 / ndf 4.947e+04 / 84
p0 2624 ± 2.074
10000
8000
6000
4000
2000

dit_asym_atl2_mean vs run
χ^2 / ndf 93.02 / 84
p0 −5521 ± 3309
×10^3
100
50
0
−50
−100
pull
Entries 85
Mean 265.3
Std Dev 232.3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01621
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl2_rms vs run
χ² / ndf 206.1 / 84
p0 3006 ± 2.34
3100
3050
3000
2950
2900

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 101.4 / 84
p0 −8671 ± 1.066e+04
pull
Entries 85
Mean −107.7
Std Dev 150.9
pull1D
Entries 85
Mean 0.03143
Std Dev 1.092

asym_atl2_correction_rms vs run

asym_atl2_mean vs run
×10^3
χ² / ndf 104.9 / 84
p0 3233 ± 1.095e+04
pull
Entries 85
Mean −54.31
Std Dev 100.6

pull1D
Entries 85
Mean −0.03609
Std Dev 1.11

asym_atl2_rms vs run
χ^2 / ndf 2580 / 84
p0 9937 ± 7.742
11000
10500
10000
9500
9000

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 74.01 / 84
p0 −3346 ± 3107
pull
Entries 85
Mean 514.9
Std Dev 475.6
pull1D
Entries 85
Mean 0.008644
Std Dev 0.9331

dit_asym_atr1_rms vs run
χ^2 / ndf 145.8 / 84
p0 2822 ± 2.197
2950
2900
2850
2800
2750

asym_atr1_correction_mean vs run
χ² / ndf 87.41 / 84
p0 −1067 ± 779.6
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 0.7796
Std Dev 44.36
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.01724
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr1_correction_rms vs run

asym_atr1_mean vs run
×10^3
χ² / ndf 71.56 / 84
p0 −2176 ± 3199
pull
Entries 85
Mean 1847
Std Dev 1807
pull1D
Entries 85
Mean 0.002313
Std Dev 0.9175

asym_atr1_rms vs run
χ² / ndf 133.6 / 84
p0 2905 ± 2.262
3020
3000
2980
2960
2940
2920
2900
2880
2860
2840
2820

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 76.38 / 84
p0 −3881 ± 3074
pull
Entries 85
Mean 335.9
Std Dev 301.7

pull1D
Entries 85
Mean −0.006605
Std Dev 0.9479

dit_asym_atr2_rms vs run

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 102.4 / 84
p0 −5900 ± 9290
pull
Entries 85
Mean −120.2
Std Dev 163.3
pull1D
Entries 85
Mean 0.03305
Std Dev 1.097

asym_atr2_correction_rms vs run
χ^2 / ndf 2639 / 84
p0 8431 ± 6.569
9500
9000
8500
8000
7500

asym_atr2_mean vs run
×10^3
χ² / ndf 112.2 / 84
p0 2194 ± 9577
pull
Entries 85
Mean −88.04
Std Dev 132.2

pull1D
Entries 85
Mean −0.03518
Std Dev 1.148

asym_atr2_rms vs run
χ^2 / ndf 2420 / 84
p0 8692 ± 6.772
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800

dit_asym_sam1_mean vs run
χ² / ndf 94.86 / 84
p0 94.19 ± 87.76
pull
Entries 85
Mean 311.5
Std Dev 265.8

pull1D
Entries 85
Mean −0.0108
Std Dev 1.056

dit_asym_sam1_rms vs run

asym_sam1_correction_mean vs run
χ² / ndf 79.4 / 84
p0 −132.3 ± 302.2
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −1150
Std Dev 1198
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.003148
Std Dev 0.9665
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_correction_rms vs run

asym_sam1_mean vs run
χ² / ndf 78.75 / 84
p0 214.2 ± 302.1
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −1894
Std Dev 1941
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.002389
Std Dev 0.9625
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_rms vs run
χ² / ndf 4468 / 84
p0 274.1 ± 0.2136
330
320
310
300
290
280
270
260
250
240

dit_asym_sam2_mean vs run
χ² / ndf 79.12 / 84
p0 104.5 ± 333.5
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 137.7
Std Dev 76.52
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.007101
Std Dev 0.9648
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam2_rms vs run

asym_sam2_correction_mean vs run
χ² / ndf 75.44 / 84
p0 −2004 ± 2210
pull
Entries 85
Mean −246
Std Dev 290
pull1D
Entries 85
Mean −0.01586
Std Dev 0.942

asym_sam2_correction_rms vs run

asym_sam2_mean vs run
χ² / ndf 77.12 / 84
p0 1992 ± 2142
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −221.4
Std Dev 265.5
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01821
Std Dev 0.9524
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam2_rms vs run
χ2 / ndf 3835 / 84
p0 1943 ± 1.514
2400
2300
2200
2100
2000
1900
1800

dit_asym_sam3_mean vs run
χ² / ndf 76.54 / 84
p0 −34.87 ± 117.8
pull
Entries 85
Mean 6.074e+04
Std Dev 6.07e+04

pull1D
Entries 85
Mean 4.402e−05
Std Dev 0.9489

dit_asym_sam3_rms vs run

asym_sam3_correction_mean vs run
χ² / ndf 76.12 / 84
p0 −1248 ± 1186
pull
Entries 85
Mean −416.7
Std Dev 458.9
pull1D
Entries 85
Mean −0.006884
Std Dev 0.9463

asym_sam3_correction_rms vs run

asym_sam3_mean vs run
χ² / ndf 76.15 / 84
p0 1200 ± 1125
pull
Entries 85
Mean −347.2
Std Dev 390.2
pull1D
Entries 85
Mean 0.007737
Std Dev 0.9465

asym_sam3_rms vs run

dit_asym_sam4_mean vs run
χ² / ndf 84.44 / 84
p0 53.25 ± 316.6
pull
Entries 85
Mean −599.9
Std Dev 632.7
pull1D
Entries 85
Mean −0.006252
Std Dev 0.9967

dit_asym_sam4_rms vs run

asym_sam4_correction_mean vs run
×10^3
χ^2 / ndf 75 / 84
p0 −1937 ± 2555
pull
Entries 85
Mean 945.8
Std Dev 908.2
pull1D
Entries 85
Mean 0.00158
Std Dev 0.9393

asym_sam4_correction_rms vs run

asym_sam4_mean vs run
×10^3
χ² / ndf 75.26 / 84
p0 2038 ± 2511
pull
Entries 85
Mean 322
Std Dev 281.6

pull1D
Entries 85
Mean −0.003414
Std Dev 0.941

asym_sam4_rms vs run

dit_asym_sam5_mean vs run
χ² / ndf 87 / 84
p0 −33.96 ± 182.2
pull
Entries 85
Mean 1.363e+04
Std Dev 1.359e+04
pull1D
Entries 85
Mean 0.0003261
Std Dev 1.012

dit_asym_sam5_rms vs run

asym_sam5_correction_mean vs run
χ² / ndf 74.75 / 84
p0 105.6 ± 947.7
pull
Entries 85
Mean −252.3
Std Dev 300.7
pull1D
Entries 85
Mean 0.008283
Std Dev 0.9377

asym_sam5_correction_rms vs run

asym_sam5_mean vs run
χ² / ndf 74.14 / 84
p0 −121.8 ± 931.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −312.7
Std Dev 357.9
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.009467
Std Dev 0.9339
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam5_rms vs run
χ² / ndf 3728 / 84
p0 844.8 ± 0.6584
1000
950
900
850
800
750

dit_asym_sam6_mean vs run
χ² / ndf 105.3 / 84
p0 −185.6 ± 175.1
pull
Entries 85
Mean 2456
Std Dev 2418
pull1D
Entries 85
Mean 0.001807
Std Dev 1.113

dit_asym_sam6_rms vs run

asym_sam6_correction_mean vs run
χ² / ndf 75.31 / 84
p0 728 ± 928.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −296.4
Std Dev 341.8
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01234
Std Dev 0.9412
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam6_correction_rms vs run

asym_sam6_mean vs run
χ² / ndf 77.48 / 84
p0 −951.4 ± 938.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −465.7
Std Dev 509.9
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.009787
Std Dev 0.9547
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam6_rms vs run
χ^2 / ndf 2028 / 84
p0 851.6 ± 0.6634
980
960
940
920
900
880
860
840
820
800
780

dit_asym_sam7_mean vs run
χ² / ndf 69.99 / 84
p0 −10.97 ± 88.07
pull
Entries 85
Mean −155.2
Std Dev 197.5
pull1D
Entries 85
Mean −0.006082
Std Dev 0.9074

dit_asym_sam7_rms vs run
χ² / ndf 372.1 / 84
p0 79.98 ± 0.06227
86
84
82
80
78
76

asym_sam7_correction_mean vs run
χ² / ndf 73.77 / 84
p0 −346.4 ± 413.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −248.2
Std Dev 290.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 85
Mean −0.01533
Std Dev 0.9315
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam7_correction_rms vs run

asym_sam7_mean vs run
χ² / ndf 76.97 / 84
p0 334.8 ± 400.8
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −255.9
Std Dev 298.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.01453
Std Dev 0.9515
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam7_rms vs run
χ^2 / ndf 4156 / 84
p0 363.5 ± 0.2834
440
420
400
380
360
340

dit_asym_sam8_mean vs run
χ² / ndf 75.74 / 84
p0 200.3 ± 74.33
pull
Entries 85
Mean 252.7
Std Dev 197
pull1D
Entries 85
Mean −0.007984
Std Dev 0.9439

dit_asym_sam8_rms vs run

asym_sam8_correction_mean vs run
χ² / ndf 67 / 84
p0 −215.9 ± 335.6
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −422.5
Std Dev 465.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.007973
Std Dev 0.8878
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_correction_rms vs run

asym_sam8_mean vs run
χ² / ndf 75.49 / 84
p0 414.2 ± 329.1
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −589.8
Std Dev 633.8
pull1D
Entries 85
Mean 0.006635
Std Dev 0.9424

asym_sam8_rms vs run
χ^2 / ndf 3068 / 84
p0 298.6 ± 0.2327
340
330
320
310
300
290
280
270

dit_asym_sam_15_avg_mean vs run
χ² / ndf 74.6 / 84
p0 30.67 ± 72.83
pull
Entries 85
Mean −546.5
Std Dev 577.6

pull1D
Entries 85
Mean −0.006448
Std Dev 0.9368

dit_asym_sam_15_avg_rms vs run

asym_sam_15_avg_correction_mean vs run
χ² / ndf 72.41 / 84
p0 −12.47 ± 345.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −130.4
Std Dev 179.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 85
Mean 0.009767
Std Dev 0.9229
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_avg_correction_rms vs run

asym_sam_15_avg_mean vs run
χ² / ndf 73.22 / 84
p0 47.37 ± 341.6
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −166.5
Std Dev 210
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.01204
Std Dev 0.928
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_avg_rms vs run
χ^2 / ndf 3458 / 84
p0 310 ± 0.2416
360
350
340
330
320
310
300
290
280

dit_asym_sam_26_avg_mean vs run
χ² / ndf 71.96 / 84
p0 −42.95 ± 115.8
pull
Entries 85
Mean −241.6
Std Dev 270.1
pull1D
Entries 85
Mean −0.007832
Std Dev 0.9201

dit_asym_sam_26_avg_rms vs run

asym_sam_26_avg_correction_mean vs run
χ² / ndf 75.72 / 84
p0 −649.1 ± 682
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −236
Std Dev 279.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.01641
Std Dev 0.9437
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_avg_correction_rms vs run

asym_sam_26_avg_mean vs run
χ² / ndf 77.41 / 84
p0 537.1 ± 642.3
pull
Entries 85
Mean −160
Std Dev 204.2
pull1D
Entries 85
Mean 0.02164
Std Dev 0.9541

asym_sam_26_avg_rms vs run

dit_asym_sam_37_avg_mean vs run
χ² / ndf 70.01 / 84
p0 −20.87 ± 79.96
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean −522.1
Std Dev 557.7
2
1
0
−1
−2
−3

pull1D
Entries 85
Mean −0.004424
Std Dev 0.9075
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_37_avg_rms vs run

asym_sam_37_avg_correction_mean vs run
χ² / ndf 75.58 / 84
p0 −796.2 ± 791.3
pull
Entries 85
Mean −340.8
Std Dev 383
pull1D
Entries 85
Mean −0.009216
Std Dev 0.9429

asym_sam_37_avg_correction_rms vs run

asym_sam_37_avg_mean vs run
χ² / ndf 76.52 / 84
p0 764.2 ± 755.1
pull
Entries 85
Mean −302.8
Std Dev 345.5
pull1D
Entries 85
Mean 0.009827
Std Dev 0.9488

asym_sam_37_avg_rms vs run
χ^2 / ndf 5265 / 84
p0 684.7 ± 0.5339
800
750
700
650
600

dit_asym_sam_48_avg_mean vs run
χ² / ndf 79.21 / 84
p0 126.4 ± 176.3
pull
Entries 85
Mean −409.6
Std Dev 440

pull1D
Entries 85
Mean −0.007231
Std Dev 0.9653

dit_asym_sam_48_avg_rms vs run

asym_sam_48_avg_correction_mean vs run
χ² / ndf 73.99 / 84
p0 −1079 ± 1419
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 2971
Std Dev 2932
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.0005895
Std Dev 0.933
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 2985 / 84
p0 1288 ± 1.004
1450
1400
1350
1300
1250
1200
1150

asym_sam_48_avg_mean vs run
χ² / ndf 75.18 / 84
p0 1228 ± 1394
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 617.1
Std Dev 575.4
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.002363
Std Dev 0.9404
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_avg_rms vs run

dit_asym_sam_15_dd_mean vs run
χ² / ndf 93.35 / 84
p0 64.2 ± 123.1
pull
Entries 85
Mean 1089
Std Dev 1050

pull1D
Entries 85
Mean −0.004134
Std Dev 1.048

dit_asym_sam_15_dd_rms vs run

asym_sam_15_dd_correction_mean vs run
χ² / ndf 76.09 / 84
p0 −120.3 ± 612.4
pull
Entries 85
Mean −355.7
Std Dev 403.9
pull1D
Entries 85
Mean −0.007086
Std Dev 0.9461

asym_sam_15_dd_correction_rms vs run

asym_sam_15_dd_mean vs run
χ² / ndf 75.09 / 84
p0 170.7 ± 602
pull
Entries 85
Mean −448.7
Std Dev 494.5
pull1D
Entries 85
Mean 0.007674
Std Dev 0.9398

asym_sam_15_dd_rms vs run

dit_asym_sam_26_dd_mean vs run
χ² / ndf 87.6 / 84
p0 147.4 ± 239.8
pull
Entries 85
Mean 378.3
Std Dev 335.6
pull1D
Entries 85
Mean −0.006157
Std Dev 1.015

dit_asym_sam_26_dd_rms vs run

asym_sam_26_dd_correction_mean vs run
χ² / ndf 75.38 / 84
p0 −1363 ± 1552
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −256.4
Std Dev 300.7
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01509
Std Dev 0.9416
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_dd_correction_rms vs run

asym_sam_26_dd_mean vs run
χ² / ndf 77.16 / 84
p0 1471 ± 1523
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −266.8
Std Dev 310.9
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01588
Std Dev 0.9527
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_dd_rms vs run

dit_asym_sam_37_dd_mean vs run
χ² / ndf 80.3 / 84
p0 −9.734 ± 66.68
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 966.7
Std Dev 936.3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.001859
Std Dev 0.972
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_37_dd_rms vs run

asym_sam_37_dd_correction_mean vs run
χ² / ndf 76.93 / 84
p0 −451.7 ± 402.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −1063
Std Dev 1105
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.00214
Std Dev 0.9514
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_dd_correction_rms vs run

asym_sam_37_dd_mean vs run
χ² / ndf 75.02 / 84
p0 439.2 ± 378.4
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −708.6
Std Dev 752.5
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.00293
Std Dev 0.9395
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_dd_rms vs run

dit_asym_sam_48_dd_mean vs run
χ² / ndf 90.73 / 84
p0 −73.37 ± 147.6
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −968.3
Std Dev 1003
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.004657
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_48_dd_rms vs run

asym_sam_48_dd_correction_mean vs run
χ² / ndf 76.17 / 84
p0 −855.1± 1143
pull
Entries 85
Mean 432.4
Std Dev 397.7
pull1D
Entries 85
Mean 0.002679
Std Dev 0.9466

asym_sam_48_dd_correction_rms vs run

asym_sam_48_dd_mean vs run
χ² / ndf 75.39 / 84
p0 807.9 ± 1124
pull
Entries 85
Mean 139.9
Std Dev 104.7
pull1D
Entries 85
Mean −0.004578
Std Dev 0.9418

asym_sam_48_dd_rms vs run

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 81.76 / 84
p0 30.13 ± 67.25
pull
Entries 85
Mean 674.7
Std Dev 634.1

pull1D
Entries 85
Mean −0.005004
Std Dev 0.9807

dit_asym_sam_13_57_dd_rms vs run

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 76.12 / 84
p0 −277.5 ± 344.4
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −361.3
Std Dev 409
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.008349
Std Dev 0.9463
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_13_57_dd_correction_rms vs run

asym_sam_13_57_dd_mean vs run
χ² / ndf 77.57 / 84
p0 290.7 ± 324.1
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −380.7
Std Dev 425.9
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01125
Std Dev 0.9552
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_13_57_dd_rms vs run

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 60.06 / 84
p0 22.13 ± 49.25
pull
Entries 85
Mean 238.1
Std Dev 222.2

pull1D
Entries 85
Mean 0.002924
Std Dev 0.8406

dit_asym_sam_15_37_dd_rms vs run

asym_sam_15_37_dd_correction_mean vs run
χ2 / ndf 78.62 / 84
p0 387.3 ± 382.1
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −280.1
Std Dev 322.7
pull1D
Entries 85
Mean 0.01514
Std Dev 0.9616

asym_sam_15_37_dd_correction_rms vs run

asym_sam_15_37_dd_mean vs run
χ² / ndf 76.2 / 84
p0 −346.9 ± 369.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −223
Std Dev 265.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.01738
Std Dev 0.9466
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_37_dd_rms vs run

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 87.24 / 84
p0 38.94 ± 90.6
pull
Entries 85
Mean −37.74
Std Dev 42.28
pull1D
Entries 85
Mean −0.01311
Std Dev 1.013

dit_asym_sam_24_68_dd_rms vs run

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 75.72 / 84
p0 −1070 ± 1034
pull
Entries 85
Mean −288.3
Std Dev 331
pull1D
Entries 85
Mean −0.01194
Std Dev 0.9438

asym_sam_24_68_dd_correction_rms vs run

asym_sam_24_68_dd_mean vs run
χ² / ndf 77.83 / 84
p0 1092 ± 1021
pull
Entries 85
Mean −285.9
Std Dev 329.3
pull1D
Entries 85
Mean 0.01183
Std Dev 0.9568

asym_sam_24_68_dd_rms vs run

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 69.15 / 84
p0 −84.01 ± 110.8
pull
Entries 85
Mean −856.1
Std Dev 888.1
pull1D
Entries 85
Mean 0.001521
Std Dev 0.9019

dit_asym_sam_26_48_dd_rms vs run

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 72.22 / 84
p0 197.3 ± 586.7
pull
Entries 85
Mean −24.48
Std Dev 82.82
pull1D
Entries 85
Mean −0.008468
Std Dev 0.9217

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3726 / 84
p0 532.3 ± 0.4149
600
580
560
540
520
500
480
460

asym_sam_26_48_dd_mean vs run
χ² / ndf 71.22 / 84
p0 −304.3 ± 573.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −33.27
Std Dev 83.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.011
Std Dev 0.9153
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_48_dd_rms vs run

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 78.45 / 84
p0 78.87 ± 119.8
pull
Entries 85
Mean −436
Std Dev 466.6
pull1D
Entries 85
Mean −0.007426
Std Dev 0.9607

dit_asym_sam_1548_avg_rms vs run

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 73.77 / 84
p0 −552.9 ± 841.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 418.1
Std Dev 382.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.002963
Std Dev 0.9316
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1548_avg_correction_rms vs run

asym_sam_1548_avg_mean vs run
χ² / ndf 74.57 / 84
p0 649.3 ± 825.8
pull
Entries 85
Mean 164.1
Std Dev 123.5
pull1D
Entries 85
Mean −0.005233
Std Dev 0.9366

asym_sam_1548_avg_rms vs run

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 79.74 / 84
p0 52.52 ± 111.7
pull
Entries 85
Mean −445
Std Dev 476.8
pull1D
Entries 85
Mean −0.007188
Std Dev 0.9685

dit_asym_sam_3748_avg_rms vs run

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 74.65 / 84
p0 −940.6 ± 1072
pull
Entries 85
Mean −820.5
Std Dev 861.2
pull1D
Entries 85
Mean −0.002834
Std Dev 0.9372

asym_sam_3748_avg_correction_rms vs run

asym_sam_3748_avg_mean vs run
χ² / ndf 76.1 / 84
p0 1003 ± 1043
pull
Entries 85
Mean −1286
Std Dev 1328
pull1D
Entries 85
Mean 0.001609
Std Dev 0.9462

asym_sam_3748_avg_rms vs run

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 91.23 / 84
p0 −6.62 ± 60.49
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −350.2
Std Dev 380
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01112
Std Dev 1.036
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_1526_avg_rms vs run

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 75.65 / 84
p0 −339.3 ± 355.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −328.2
Std Dev 370.1
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.009633
Std Dev 0.9433
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1526_avg_correction_rms vs run

asym_sam_1526_avg_mean vs run
χ² / ndf 78.26 / 84
p0 321.9 ± 339.1
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −260.7
Std Dev 305.6
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.009666
Std Dev 0.9595
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1526_avg_rms vs run

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 71.78 / 84
p0 −32.18 ± 85.54
pull
Entries 85
Mean −324.6
Std Dev 356.5
pull1D
Entries 85
Mean −0.007192
Std Dev 0.9189

dit_asym_sam_3726_avg_rms vs run

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 75.66 / 84
p0 −719.2 ± 717.7
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −270.5
Std Dev 313.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 85
Mean −0.01315
Std Dev 0.9434
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3196 / 84
p0 651.2 ± 0.5075
760
740
720
700
680
660
640
620
600

asym_sam_3726_avg_mean vs run
χ² / ndf 77.05 / 84
p0 651.7 ± 680.8
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −210.7
Std Dev 254.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.0156
Std Dev 0.952
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3726_avg_rms vs run
χ^2 / ndf 5958 / 84
p0 617.2 ± 0.4814
750
700
650
600
550

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 78.81 / 84
p0 −47.69 ± 61.96
pull
Entries 85
Mean −345.3
Std Dev 375.1
pull1D
Entries 85
Mean 0.006277
Std Dev 0.9629

dit_asym_sam_15_48_dd_rms vs run

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 74.13 / 84
p0 522.1 ± 598.8
pull
Entries 85
Mean −760.9
Std Dev 801.7
pull1D
Entries 85
Mean 0.003144
Std Dev 0.9339

asym_sam_15_48_dd_correction_rms vs run

asym_sam_15_48_dd_mean vs run
χ² / ndf 75.93 / 84
p0 −574.5 ± 589.4
pull
Entries 85
Mean −1051
Std Dev 1093
pull1D
Entries 85
Mean −0.002116
Std Dev 0.9452

asym_sam_15_48_dd_rms vs run

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 73.71 / 84
p0 −70.78 ± 79.21
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −577
Std Dev 604.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 85
Mean 0.00362
Std Dev 0.9312
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_37_48_dd_rms vs run

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 71.96 / 84
p0 126.1 ± 413
pull
Entries 85
Mean −11.88
Std Dev 75.22
pull1D
Entries 85
Mean −0.007715
Std Dev 0.9201

asym_sam_37_48_dd_correction_rms vs run

asym_sam_37_48_dd_mean vs run
χ² / ndf 71.15 / 84
p0 −211.9 ± 410.3
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −37.78
Std Dev 84.46
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.01037
Std Dev 0.9149
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_48_dd_rms vs run

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.39 / 84
p0 34.24 ± 75.46
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 53.71
Std Dev 37.81
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.004505
Std Dev 0.8429
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_26_dd_rms vs run

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 75.07 / 84
p0 326.3 ± 407.9
pull
Entries 85
Mean −229.4
Std Dev 273.7
pull1D
Entries 85
Mean 0.01674
Std Dev 0.9397

asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 2866 / 84
p0 370.1 ± 0.2884
440
420
400
380
360
340

asym_sam_15_26_dd_mean vs run
χ² / ndf 75.68 / 84
p0 −250.6 ± 387.3
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −169.4
Std Dev 213.5
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.02245
Std Dev 0.9433
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_26_dd_rms vs run

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 67.42 / 84
p0 11.02 ± 50.77
pull
Entries 85
Mean −52.73
Std Dev 10.57
pull1D
Entries 85
Mean 0.00482
Std Dev 0.8906

dit_asym_sam_37_26_dd_rms vs run

asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 72.69 / 84
p0 −71.3 ± 174.6
pull
Entries 85
Mean −46.81
Std Dev 98.75

pull1D
Entries 85
Mean 0.01024
Std Dev 0.9247

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3887 / 84
p0 158.4 ± 0.1234
180
175
170
165
160
155
150
145
140

asym_sam_37_26_dd_mean vs run
χ² / ndf 72.18 / 84
p0 93.05 ± 167
pull
Entries 85
Mean −23.98
Std Dev 83.09

pull1D
Entries 85
Mean −0.01251
Std Dev 0.9214

asym_sam_37_26_dd_rms vs run

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 79.88 / 84
p0 6.049 ± 58.58
pull
Entries 85
Mean −460.1
Std Dev 492.9
pull1D
Entries 85
Mean −0.00809
Std Dev 0.9694

dit_asym_sam_1357_avg_rms vs run

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 78.94 / 84
p0 −421.3 ± 477.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean −1064
Std Dev 1104
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.002437
Std Dev 0.9637
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_correction_rms vs run

asym_sam_1357_avg_mean vs run
χ² / ndf 76.37 / 84
p0 429.2 ± 455.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −2198
Std Dev 2240
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.0008485
Std Dev 0.9479
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_rms vs run

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 86.12 / 84
p0 41.97 ± 99.86
pull
Entries 85
Mean −335.2
Std Dev 365
pull1D
Entries 85
Mean −0.01093
Std Dev 1.007

dit_asym_sam_2468_avg_rms vs run

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 74.7 / 84
p0 −861.9 ± 946
pull
Entries 85
Mean −485.2
Std Dev 526.5
pull1D
Entries 85
Mean −0.005569
Std Dev 0.9374

asym_sam_2468_avg_correction_rms vs run

asym_sam_2468_avg_mean vs run
χ^2 / ndf 76.9 / 84
p0 900.9 ± 920.5
pull
Entries 85
Mean −507.3
Std Dev 550.7
pull1D
Entries 85
Mean 0.004663
Std Dev 0.9511

asym_sam_2468_avg_rms vs run

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 76.78 / 84
p0 −18.98 ± 30.36
pull
Entries 85
Mean −199.2
Std Dev 224

pull1D
Entries 85
Mean 0.01172
Std Dev 0.9503

dit_asym_sam_1357_2468_dd_rms vs run

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 70.97 / 84
p0 220.2 ± 244
pull
Entries 85
Mean −321.6
Std Dev 364.3
pull1D
Entries 85
Mean 0.008415
Std Dev 0.9137

asym_sam_1357_2468_dd_correction_rms vs run

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 77.61 / 84
p0 −236 ± 238.4
pull
Entries 85
Mean −341.1
Std Dev 384.8
pull1D
Entries 85
Mean −0.008169
Std Dev 0.9555

asym_sam_1357_2468_dd_rms vs run

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 85.64 / 84
p0 23.65 ± 76.03
pull
Entries 85
Mean −383.7
Std Dev 414.7
pull1D
Entries 85
Mean −0.01001
Std Dev 1.004

dit_asym_sam_12345678_avg_rms vs run

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 76.11 / 84
p0 −641.8 ± 708.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −591.5
Std Dev 632.4
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.004527
Std Dev 0.9463
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3063 / 84
p0 642.9 ± 0.501
740
720
700
680
660
640
620
600
580

asym_sam_12345678_avg_mean vs run
χ² / ndf 76.7 / 84
p0 665.1 ± 685.9
pull
Entries 85
Mean −648.6
Std Dev 691.8
pull1D
Entries 85
Mean 0.003403
Std Dev 0.9499

asym_sam_12345678_avg_rms vs run

dit_usl_4aX_slope vs run
χ² / ndf 4.103e−25 / 84
p0 −259 ± 0.71
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 6.947e−14
Std Dev2.541e−21

dit_usl_4eX_slope vs run

dit_usl_11X12X_slope vs run

dit_usl_4aY_slope vs run
χ² / ndf 5.503e−26 / 84
p0 −5.599 ± 0.02272
−5.4
−5.5
−5.6
−5.7
−5.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
25
20
15
10
5
0

pull1D
Entries 85
Mean 2.544e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eY_slope vs run

dit_usr_4aX_slope vs run
χ^2 / ndf 1.974e−25 / 84
p0 −312.7 ± 0.3838
−309
−310
−311
−312
−313
−314
−315
−316
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50

pull1D
Entries 85
Mean −4.819e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run
χ^2 / ndf 2.203e−24 / 84
p0 389.6 ± 0.383
393
392
391
390
389
388
387
386
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 85
Mean −1.61e−13
Std Dev 7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 84
p0 −37.53 ± 0.009145
−37.44
−37.46
−37.48
−37.5
−37.52
−37.54
−37.56
−37.58
−37.6
−37.62
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aY_slope vs run
χ^2 / ndf 5.236e−26 / 84
p0 −4.194 ± 0.01941
−4
−4.05
−4.1
−4.15
−4.2
−4.25
−4.3
−4.35
−4.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
25
20
15
10
5
0
pull1D
Entries 85
Mean 2.482e−14
Std Dev 1.305e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eY_slope vs run
χ² / ndf 0 / 84
p0 15.05 ± 0.03007
15.3
15.2
15.1
15
14.9
14.8
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run
χ² / ndf 1.772e−26 / 84
p0 −129.1 ± 1.281
−115
−120
−125
−130
−135
−140
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
14
12
10
8
6
4
2
0

pull1D
Entries 85
Mean 1.444e−14
Std Dev 6.353e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eX_slope vs run
χ^2 / ndf 4.457e−27 / 84
p0 174.4 ± 1.277
185
180
175
170
165
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
7
6
5
4
3
2
1
0

pull1D
Entries 85
Mean 7.241e−15
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_11X12X_slope vs run

dit_atl1_4aY_slope vs run
χ^2 / ndf 2.096e−25 / 84
p0 8.579 ± 0.0388
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean −4.966e−14
Std Dev1.797e−21

dit_atl1_4eY_slope vs run
χ^2 / ndf 9.959e−25 / 84
p0 −17.47 ± 0.0534
−17
−17.2
−17.4
−17.6
−17.8
−18
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 85
Mean 1.082e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aX_slope vs run
χ^2 / ndf 1.757e−24 / 84
p0 −2138 ± 1.372
−2125
−2130
−2135
−2140
−2145
−2150
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.438e−13
Std Dev6.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
χ^2 / ndf 4.01e−24 / 84
p0 2187 ± 1.363
2200
2195
2190
2185
2180
2175
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 85
Mean 2.172e−13
Std Dev 7.946e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ^2 / ndf 3.644e−23 / 84
p0 −295.9 ± 0.04708
−295.4
−295.6
−295.8
−296
−296.2
−296.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0.6
0.5
0.4
0.3
0.2
0.1
0

pull1D
Entries 85
Mean 6.547e−13
Std Dev 4.596e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run
χ² / ndf 1.317e−24 / 84
p0 −45.91 ± 0.04334
−45.5
−45.6
−45.7
−45.8
−45.9
−46
−46.1
−46.2
−46.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 85
Mean −1.245e−13
Std Dev 5.082e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eY_slope vs run
χ² / ndf 1.02e−24 / 84
p0 166.7 ± 0.1126
167.5
167
166.5
166
165.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 85
Mean −1.095e−13
Std Dev3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ^2 / ndf 5.03e−26 / 84
p0 −131.1± 1.647
−115
−120
−125
−130
−135
−140
−145
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20
−25

pull1D
Entries 85
Mean −2.433e−14
Std Dev1.305e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eX_slope vs run
χ^2 / ndf 2.485e−26 / 84
p0 81.6 ± 1.623
95
90
85
80
75
70
65
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

pull1D
Entries 85
Mean −1.71e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run
χ^2 / ndf 8.31e−26 / 84
p0 −16.4 ± 0.0493
−16
−16.2
−16.4
−16.6
−16.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 85
Mean −3.127e−14
Std Dev 1.846e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aY_slope vs run
χ^2 / ndf 2.867e−26 / 84
p0 11.99 ± 0.05246
12.4
12.2
12
11.8
11.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 85
Mean 1.837e−14
Std Dev 9.23e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
χ^2 / ndf 7.191e−26 / 84
p0 −24.51 ± 0.106
−23.5
−24
−24.5
−25
−25.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
30
25
20
15
10
5
0

pull1D
Entries 85
Mean 2.909e−14
Std Dev 1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aX_slope vs run
χ^2 / ndf 1.041e−23 / 84
p0 −1945 ± 1.268
−1935
−1940
−1945
−1950
−1955
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

pull1D
Entries 85
Mean −3.5e−13
Std Dev 2.443e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.21e−24 / 84
p0 2154 ± 1.24
2165
2160
2155
2150
2145
2140
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

pull1D
Entries 85
Mean −1.193e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_11X12X_slope vs run
χ^2 / ndf 1.671e−23 / 84
p0 −255.9 ± 0.04867
−255.4
−255.6
−255.8
−256
−256.2
−256.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 85
Mean 4.434e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aY_slope vs run
χ^2 / ndf 2.247e−24 / 84
p0 −41.42 ± 0.0474
−41
−41.2
−41.4
−41.6
−41.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 85
Mean 1.626e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eY_slope vs run
χ^2 / ndf 7.344e−26 / 84
p0 140.5 ± 0.1049
141.5
141
140.5
140
139.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
30
25
20
15
10
5
0

pull1D
Entries 85
Mean 2.939e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aX_slope vs run

dit_sam1_4eX_slope vs run

dit_sam1_11X12X_slope vs run

dit_sam1_4aY_slope vs run
χ² / ndf 1.057e−21 / 84
p0 −50.17 ± 0.004371
−50.13
−50.14
−50.15
−50.16
−50.17
−50.18
−50.19
−50.2
−50.21
−50.22
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 85
Mean 3.527e−12
Std Dev 2.394e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run
χ^2 / ndf 2.476e−25 / 84
p0 8.411 ± 0.01428
8.55
8.5
8.45
8.4
8.35
8.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50

pull1D
Entries 85
Mean −5.398e−14
Std Dev 2.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aX_slope vs run

dit_sam2_4eX_slope vs run
χ^2 / ndf 2.095e−25 / 84
p0 −213.6 ± 1.056
−205
−210
−215
−220
−225
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50

pull1D
Entries 85
Mean −4.965e−14
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_11X12X_slope vs run

dit_sam2_4aY_slope vs run

dit_sam2_4eY_slope vs run
χ^2 / ndf 2.962e−23 / 84
p0 −209.3 ± 0.07833
−208.6
−208.8
−209
−209.2
−209.4
−209.6
−209.8
−210
−210.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 85
Mean 5.903e−13
Std Dev 2.875e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aX_slope vs run

dit_sam3_4eX_slope vs run
χ² / ndf 5.248e−28 / 84
p0 −29.88 ± 1.086
−20
−25
−30
−35
−40
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
2.5
2
1.5
1
0.5
0
pull1D
Entries 85
Mean 2.485e−15
Std Dev 1.375e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_11X12X_slope vs run
χ² / ndf 3.951e−28 / 84
p0 0.161± 0.004189
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 2.156e−15
Std Dev 1.123e−22

dit_sam3_4aY_slope vs run
χ^2 / ndf 9.061e−24 / 84
p0 −7.012 ± 0.006786
−6.94
−6.96
−6.98
−7
−7.02
−7.04
−7.06
−7.08
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 85
Mean 3.265e−13
Std Dev 9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eY_slope vs run
χ² / ndf 2.071e−24 / 84
p0 29.23 ± 0.03209
29.5
29.4
29.3
29.2
29.1
29
28.9
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 85
Mean −1.561e−13
Std Dev 1.161e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run

dit_sam4_4eX_slope vs run
χ^2 / ndf 8.148e−27 / 84
p0 −220.1 ± 1.259
−210
−215
−220
−225
−230
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−2
−4
−6
−8
−10

pull1D
Entries 85
Mean −9.791e−15
Std Dev 5.799e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_11X12X_slope vs run

dit_sam4_4aY_slope vs run
χ^2 / ndf 1.563e−24 / 84
p0 −19.6 ± 0.02558
−19.4
−19.5
−19.6
−19.7
−19.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 85
Mean −1.356e−13
Std Dev 6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4eY_slope vs run
χ² / ndf 2.266e−25 / 84
p0 258.9 ± 0.1194
260
259.5
259
258.5
258
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 85
Mean −5.164e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.577e−26 / 84
p0 7.764 ± 0.1202
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean 1.362e−14
Std Dev 8.064e−22

dit_sam5_4eX_slope vs run
χ^2 / ndf 4.804e−28 / 84
p0 1.9 ± 0.1216
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean 2.377e−15
Std Dev 0

dit_sam5_11X12X_slope vs run
χ^2 / ndf 4.562e−26 / 84
p0 0.3314 ± 0.002079
0.35
0.345
0.34
0.335
0.33
0.325
0.32
0.315
0.31
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
24
22
20
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 85
Mean 2.317e−14
Std Dev 7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aY_slope vs run
χ² / ndf 4.824e−23 / 84
p0 32.46 ± 0.008185
32.54
32.52
32.5
32.48
32.46
32.44
32.42
32.4
32.38
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull1D
Entries 85
Mean −7.533e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run
χ² / ndf 2.036e−23 / 84
p0 115.5 ± 0.02834
115.8
115.7
115.6
115.5
115.4
115.3
115.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 85
Mean −4.895e−13
Std Dev2.443e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aX_slope vs run

dit_sam6_4eX_slope vs run

dit_sam6_11X12X_slope vs run

dit_sam6_4aY_slope vs run
χ² / ndf 6.651e−25 / 84
p0 17.47 ± 0.01743
17.65
17.6
17.55
17.5
17.45
17.4
17.35
17.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90

pull1D
Entries 85
Mean −8.846e−14
Std Dev 5.489e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run
χ^2 / ndf 5.427e−24 / 84
p0 99.31 ± 0.0549
99.8
99.6
99.4
99.2
99
98.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 85
Mean 2.527e−13
Std Dev 1.437e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run
χ^2 / ndf 5.334e−27 / 84
p0 76.41 ± 0.1946
78.5
78
77.5
77
76.5
76
75.5
75
74.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-15}$
8
7
6
5
4
3
2
1
0

pull1D
Entries 85
Mean 7.922e−15
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eX_slope vs run
χ^2 / ndf 1.106e−24 / 84
p0 −121.2 ± 0.2027
−119
−119.5
−120
−120.5
−121
−121.5
−122
−122.5
−123
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 85
Mean −1.141e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_11X12X_slope vs run

dit_sam7_4aY_slope vs run
χ² / ndf 8.984e−23 / 84
p0 7.272 ± 0.002155
7.295
7.29
7.285
7.28
7.275
7.27
7.265
7.26
7.255
7.25
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 85
Mean −1.028e−12
Std Dev 5.071e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
χ² / ndf 3.122e−24 / 84
p0 −12.21 ± 0.003016
−12.18
−12.19
−12.2
−12.21
−12.22
−12.23
−12.24
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
pull1D
Entries 85
Mean 1.917e−13
Std Dev 7.187e−21

dit_sam8_4aX_slope vs run

dit_sam8_4eX_slope vs run
χ^2 / ndf 2.176e−25 / 84
p0 −90.05 ± 0.1218
−89
−89.5
−90
−90.5
−91
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50

pull1D
Entries 85
Mean −5.06e−14
Std Dev 1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_11X12X_slope vs run
χ^2 / ndf 4.108e−26 / 84
p0 0.3508 ± 0.0008216
0.358
0.356
0.354
0.352
0.35
0.348
0.346
0.344
0.342
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
22
20
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 85
Mean 2.198e−14
Std Dev 1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4aY_slope vs run
χ² / ndf 3.446e−21 / 84
p0 −48.76 ± 0.002542
−48.74
−48.75
−48.76
−48.77
−48.78
−48.79
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 85
Mean −6.367e−12
Std Dev 1.878e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eY_slope vs run

dit_4aX_coil1_mean vs run

dit_4aX_coil1_err_mean vs run
χ² / ndf 2.15e+32 / 80
p0 4.283 ± 1.111e−16
pull
Entries 81
Mean 5.032e+09
Std Dev 5.032e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aX_coil1_Ndata_mean vs run

dit_4eX_coil1_mean vs run

dit_4eX_coil1_err_mean vs run
χ² / ndf 1.947e+32 / 80
p0 4.065 ± 1.111e−16
pull
Entries 81
Mean 1.334e+10
Std Dev 1.334e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil1_mean vs run

dit_11X12X_coil1_err_mean vs run

dit_11X12X_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil1_mean vs run
χ² / ndf 6.882e+31 / 80
p0 0.9777 ± 1.111e−16
pull
Entries 81
Mean −5.756e+08
Std Dev 5.756e+08

pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aY_coil1_err_mean vs run
χ² / ndf 2.386e+31 / 80
p0 1.388 ± 1.111e−16
pull
Entries 81
Mean −2.174e+10
Std Dev 2.174e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aY_coil1_Ndata_mean vs run

dit_4eY_coil1_mean vs run
χ^2 / ndf 1.015e+32 / 80
p0 1.496 ± 1.111e−16
pull
Entries 81
Mean 1.985e+09
Std Dev 1.985e+09
$\times 10^{12}$

pull1D
Entries 81
Mean 0
Std Dev 0

dit_4eY_coil1_err_mean vs run
χ² / ndf 2.469e+31 / 80
p0 1.477 ± 1.111e−16
pull
Entries 81
Mean 1.58e+09
Std Dev 1.58e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4eY_coil1_Ndata_mean vs run

dit_usl_coil1_mean vs run
χ² / ndf inf / 80
p0 3.159e+04 ± 1.111e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 81
Mean −1.121e+09
Std Dev 1.121e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30

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

dit_usl_coil1_err_mean vs run
χ^2 / ndf 2.823e+36 / 80
p0 494 ± 1.111e−16
700
600
500
400
300
200
100
0
pull
Entries 81
Mean −7.747e+08
Std Dev 7.747e+08
200
100
0
−100
−200
−300
−400
−500

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

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_mean vs run
χ² / ndf inf / 80
p0 −2.794e+04 ± 1.111e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
pull
Entries 81
Mean −1.468e+09
Std Dev 1.468e+09
×10¹⁸
25
20
15
10
5
0
−5
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_err_mean vs run
χ² / ndf 2.419e+36 / 80
p0 464.2 ± 1.111e−16
pull
Entries 81
Mean −3.498e+10
Std Dev 3.498e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil1_mean vs run
χ² / ndf inf / 80
p0 −1.696e+04 ± 1.111e−16
0
−5000
−10000
−15000
−20000
pull
Entries 81
Mean −2.673e+09
Std Dev 2.673e+09
×10¹⁸
18
16
14
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil1_err_mean vs run
χ^2 / ndf 3.229e+36 / 80
p0 528 ± 1.111e−16
pull
Entries 81
Mean 3.301e+09
Std Dev 3.301e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_atl1_coil1_Ndata_mean vs run

dit_atl2_coil1_mean vs run
χ² / ndf inf / 80
p0 4.724e+04 ± 1.111e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 81
Mean 1.799e+09
Std Dev 1.799e+09
×10^18
10
0
−10
−20
−30
−40
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil1_err_mean vs run
χ^2 / ndf 8.95e+37 / 80
p0 2694 ± 1.111e−16
pull
Entries 81
Mean 1.19e+09
Std Dev 1.19e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_atl2_coil1_Ndata_mean vs run

dit_atr1_coil1_mean vs run
χ² / ndf inf / 80
p0 2.78e+04 ± 1.111e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 81
Mean −1.043e+09
Std Dev 1.043e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil1_err_mean vs run
χ² / ndf 4.288e+36 / 80
p0 609.5 ± 1.111e−16
800
600
400
200
0
pull
Entries 81
Mean 9.878e+08
Std Dev 9.878e+08
×10¹⁵
200
100
0
−100
−200
−300
−400
−500
−600

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

dit_atr1_coil1_Ndata_mean vs run

dit_atr2_coil1_mean vs run
χ² / ndf inf / 80
p0 −3.919e+04 ± 1.111e−16
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 81
Mean 8.668e+08
Std Dev 8.668e+08
×10¹⁸
40
30
20
10
0
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil1_err_mean vs run
χ² / ndf 6.842e+37 / 80
p0 2351± 1.111e−16
pull
Entries 81
Mean 1.226e+09
Std Dev 1.226e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atr2_coil1_Ndata_mean vs run

dit_sam1_coil1_mean vs run
χ^2 / ndf inf / 80
p0 6828 ± 1.111e−16
8000
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 81
Mean 1.168e+10
Std Dev 1.168e+10
×10^15
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000

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

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.12e+35 / 80
p0 91.98 ± 1.111e−16
pull
Entries 81
Mean 5.482e+08
Std Dev 5.482e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil1_mean vs run
×10^3
120
100
80
60
40
20
0
χ² / ndf inf / 80
p0 9.711e+04 ± 1.111e−16
×10^18
20
0
−20
−40
−60
−80
−100
pull
Entries 81
Mean −1.554e+10
Std Dev 1.554e+10

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

dit_sam2_coil1_err_mean vs run
χ^2 / ndf 1.014e+37 / 80
p0 898.6 ± 1.111e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean −7.681e+08
Std Dev 7.681e+08
400
200
0
−200
−400
−600
−800

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

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil1_mean vs run
χ² / ndf inf / 80
p0 5.423e+04 ± 1.111e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 81
Mean −2.803e+09
Std Dev 2.803e+09
×10¹⁸
10
0
−10
−20
−30
−40
−50
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil1_err_mean vs run
χ² / ndf 3.118e+36 / 80
p0 522.5 ± 1.111e−16
pull
Entries 81
Mean 1.552e+09
Std Dev 1.552e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf inf / 80
p0 8.914e+04 ± 1.111e−16
100
80
60
40
20
0
pull
Entries 81
Mean −1.113e+09
Std Dev 1.113e+09
×10^18
0
−20
−40
−60
−80

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

dit_sam4_coil1_err_mean vs run
χ² / ndf 6.786e+36 / 80
p0 789.2 ± 1.111e−16
1000
800
600
400
200
0
pull
Entries 81
Mean −2.156e+09
Std Dev 2.156e+09
×10¹⁵
200
0
−200
−400
−600
−800
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil1_mean vs run
χ² / ndf 2.14e+38 / 80
p0 −4571 ± 1.111e−16
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 81
Mean −1.449e+09
Std Dev 1.449e+09
×10¹⁵
4000
3000
2000
1000
0
−1000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil1_err_mean vs run
χ² / ndf 6.634e+35 / 80
p0 235.1± 1.111e−16
pull
Entries 81
Mean 5.743e+09
Std Dev 5.743e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil1_mean vs run
χ2 / ndf inf / 80
p0 −3.162e+04 ± 1.111e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
−40000
pull
Entries 81
Mean −2.387e+09
Std Dev 2.387e+09
×10^18
30
25
20
15
10
5
0
−5
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil1_err_mean vs run
χ² / ndf 1.76e+36 / 80
p0 359.3 ± 1.111e−16
pull
Entries 81
Mean −1.604e+09
Std Dev 1.604e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil1_mean vs run
χ² / ndf inf / 80
p0 2.123e+04 ± 1.111e−16
25000
20000
15000
10000
5000
0
pull
Entries 81
Mean −2.731e+10
Std Dev 2.731e+10
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil1_err_mean vs run
χ² / ndf 3.595e+35 / 80
p0 171.8 ± 1.111e−16
pull
Entries 81
Mean −6.824e+08
Std Dev 6.824e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 2.284e+37 / 80
p0 1151± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.953e+09
Std Dev 2.953e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil1_mean vs run
χ² / ndf inf / 80
p0 1.606e+04 ± 1.111e−16
20000
15000
10000
5000
0
pull
Entries 81
Mean −1.11e+09
Std Dev 1.11e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil1_err_mean vs run
χ² / ndf 1.824e+35 / 80
p0 125.9 ± 1.111e−16
pull
Entries 81
Mean 7.327e+10
Std Dev 7.327e+10

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam8_coil1_Ndata_mean vs run

dit_4aX_coil3_mean vs run

dit_4aX_coil3_err_mean vs run

dit_4aX_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil3_mean vs run

dit_4eX_coil3_err_mean vs run

dit_4eX_coil3_Ndata_mean vs run

dit_11X12X_coil3_mean vs run
χ² / ndf 6e+34 / 80
p0 −76.98 ± 1.111e−16
0
−20
−40
−60
−80
pull
Entries 81
Mean 3.513e+09
Std Dev 3.513e+09
×10¹⁵
80
70
60
50
40
30
20
10
0
−10
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil3_err_mean vs run

dit_11X12X_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil3_mean vs run
χ² / ndf 1.231e+32 / 80
p0 3.41 ± 1.111e−16
pull
Entries 81
Mean 3.776e+09
Std Dev 3.776e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aY_coil3_err_mean vs run
χ^2 / ndf 2.026e+30 / 80
p0 0.2972 ± 1.111e−16
pull
Entries 81
Mean −4.491e+08
Std Dev 4.491e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil3_mean vs run
χ² / ndf 1.469e+32 / 80
p0 3.735 ± 1.111e−16
pull
Entries 81
Mean −2.946e+09
Std Dev 2.946e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4eY_coil3_err_mean vs run

dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil3_mean vs run
χ^2 / ndf inf / 80
p0 6425 ± 1.111e−16
8000
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 81
Mean 2.887e+09
Std Dev 2.887e+09
$\times 10^{15}$
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

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

dit_usl_coil3_err_mean vs run
χ^2 / ndf 3.993e+35 / 80
p0 158.9 ± 1.111e−16
pull
Entries 81
Mean 1.868e+09
Std Dev 1.868e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil3_mean vs run
χ² / ndf 3.048e+38 / 80
p0 –5483 ± 1.111e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 81
Mean 0
Std Dev 0
×10¹⁵
5000
4000
3000
2000
1000
0
–1000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_usr_coil3_err_mean vs run
χ² / ndf 3.263e+35 / 80
p0 138.8 ± 1.111e−16
250
200
150
100
50
0
pull
Entries 81
Mean 2.145e+09
Std Dev 2.145e+09
×10¹⁵
100
50
0
−50
−100
−150

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

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil3_mean vs run
χ^2 / ndf 1.013e+38 / 80
p0 −3151 ± 1.111e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000
pull
Entries 81
Mean −1.803e+09
Std Dev 1.803e+09
×10^15
3000
2500
2000
1500
1000
500
0
−500

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

dit_atl1_coil3_err_mean vs run
χ² / ndf 2.216e+35 / 80
p0 119.1± 1.111e−16
200
150
100
50
0
pull
Entries 81
Mean −6.295e+10
Std Dev 6.295e+10
×10¹⁵
100
50
0
−50
−100
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil3_Ndata_mean vs run

dit_atl2_coil3_mean vs run
χ² / ndf inf / 80
p0 1.014e+04 ± 1.111e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 81
Mean −1.299e+09
Std Dev 1.299e+09
×10^15
2000
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil3_err_mean vs run
χ² / ndf 6.33e+36 / 80
p0 593.7 ± 1.111e−16
1200
1000
800
600
400
200
0
pull
Entries 81
Mean −1.228e+09
Std Dev 1.228e+09
×10¹⁵
400
200
0
−200
−400
−600

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

dit_atl2_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil3_mean vs run
χ^2 / ndf 2.877e+38 / 80
p0 5318 ± 1.111e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 81
Mean 2.255e+09
Std Dev 2.255e+09
1000
0
−1000
−2000
−3000
−4000
−5000

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

dit_atr1_coil3_err_mean vs run

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil3_mean vs run
χ² / ndf inf / 80
p0 −7156 ± 1.111e−16
0
−2000
−4000
−6000
−8000
pull
Entries 81
Mean 1.508e+09
Std Dev 1.508e+09
×10¹⁵
7000
6000
5000
4000
3000
2000
1000
0
−1000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil3_err_mean vs run
χ² / ndf 4.865e+36 / 80
p0 506.1± 1.111e−16
1000
800
600
400
200
0
pull
Entries 81
Mean −2.7e+09
Std Dev 2.7e+09
×10¹⁵
400
200
0
−200
−400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil3_mean vs run
χ^2 / ndf 1.402e+37 / 80
p0 1175 ± 1.111e−16
pull
Entries 81
Mean 9.149e+08
Std Dev 9.149e+08

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam1_coil3_err_mean vs run
χ² / ndf 1.195e+34 / 80
p0 28.82 ± 1.111e−16
pull
Entries 81
Mean 2.548e+09
Std Dev 2.548e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil3_mean vs run
χ² / ndf inf / 80
p0 1.812e+04 ± 1.111e−16
20000
15000
10000
5000
0
pull
Entries 81
Mean 6.622e+09
Std Dev 6.622e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

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

dit_sam2_coil3_err_mean vs run
χ² / ndf 2.358e+36 / 80
p0 391.9 ± 1.111e−16
pull
Entries 81
Mean 9.695e+08
Std Dev 9.695e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil3_mean vs run
χ² / ndf inf / 80
p0 1.016e+04 ± 1.111e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 81
Mean −9.618e+08
Std Dev 9.618e+08
×10^15
2000
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil3_err_mean vs run
χ^2 / ndf 9.092e+35 / 80
p0 244.8 ± 1.111e−16
400
300
200
100
0
pull
Entries 81
Mean −2.784e+09
Std Dev 2.784e+09
×10^15
200
150
100
50
0
−50
−100
−150
−200
−250

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

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil3_mean vs run
χ² / ndf inf / 80
p0 1.819e+04 ± 1.111e−16
20000
15000
10000
5000
0
pull
Entries 81
Mean −1.327e+09
Std Dev 1.327e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

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

dit_sam4_coil3_err_mean vs run
χ² / ndf 2.499e+36 / 80
p0 393.3 ± 1.111e−16
700
600
500
400
300
200
100
0
pull
Entries 81
Mean 5.339e+09
Std Dev 5.339e+09
×10¹⁵
300
200
100
0
−100
−200
−300
−400

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

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil3_mean vs run
χ² / ndf 1.502e+36 / 80
p0 −353.7 ± 1.111e−16
0
−100
−200
−300
−400
−500
pull
Entries 81
Mean 8.275e+09
Std Dev 8.275e+09
×10¹⁵
300
200
100
0
−100

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

dit_sam5_coil3_err_mean vs run
χ² / ndf 4.401e+34 / 80
p0 46.69 ± 1.111e−16
pull
Entries 81
Mean 1.254e+09
Std Dev 1.254e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

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

dit_sam6_coil3_mean vs run

dit_sam6_coil3_err_mean vs run
χ² / ndf 2.609e+35 / 80
p0 127.6 ± 1.111e−16
pull
Entries 81
Mean −4.806e+09
Std Dev 4.806e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil3_mean vs run
χ^2 / ndf 1.987e+38 / 80
p0 4427 ± 1.111e−16
5000
4000
3000
2000
1000
0
pull
Entries 81
Mean 2.292e+09
Std Dev 2.292e+09
×10^15
0
−1000
−2000
−3000
−4000

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

dit_sam7_coil3_err_mean vs run
χ² / ndf 1.373e+35 / 80
p0 92.88 ± 1.111e−16
pull
Entries 81
Mean 2.187e+09
Std Dev 2.187e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil3_mean vs run
χ^2 / ndf 1.162e+38 / 80
p0 3387 ± 1.111e−16
4000
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 81
Mean 1.434e+09
Std Dev 1.434e+09
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil3_err_mean vs run
χ² / ndf 7.974e+34 / 80
p0 70.31± 1.111e−16
pull
Entries 81
Mean 8.626e+08
Std Dev 8.626e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 3.578e+37 / 80
p0 1310 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −8.857e+08
Std Dev 8.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil7_mean vs run
χ² / ndf 4.111e+33 / 80
p0 19.27 ± 1.111e−16
pull
Entries 81
Mean −9.391e+08
Std Dev 9.391e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aX_coil7_err_mean vs run

dit_4aX_coil7_Ndata_mean vs run

dit_4eX_coil7_mean vs run
χ^2 / ndf 3.671e+33 / 80
p0 18.16 ± 1.111e−16
pull
Entries 81
Mean 7.4e+08
Std Dev 7.4e+08

pull1D
Entries 81
Mean 0
Std Dev 0

dit_4eX_coil7_err_mean vs run

dit_4eX_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_11X12X_coil7_mean vs run

dit_11X12X_coil7_err_mean vs run

dit_11X12X_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil7_mean vs run
χ^2 / ndf 1.072e+33 / 80
p0 −10.09 ± 1.111e−16
pull
Entries 81
Mean −4.156e+09
Std Dev 4.156e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aY_coil7_err_mean vs run
χ² / ndf 1.625e+31 / 80
p0 1.075 ± 1.111e−16
pull
Entries 81
Mean 1.457e+09
Std Dev 1.457e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aY_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4eY_coil7_mean vs run
χ^2 / ndf 8.003e+32 / 80
p0 −8.615 ± 1.111e−16
pull
Entries 81
Mean 2.584e+10
Std Dev 2.584e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4eY_coil7_err_mean vs run

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_usl_coil7_mean vs run
χ² / ndf inf / 80
p0 1.525e+04 ± 1.111e−16
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 81
Mean −1.251e+09
Std Dev 1.251e+09
×10^18
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil7_err_mean vs run
χ² / ndf 4.82e+36 / 80
p0 541.1± 1.111e−16
800
600
400
200
0
pull
Entries 81
Mean 6.234e+08
Std Dev 6.234e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil7_mean vs run
χ² / ndf inf / 80
p0 1.601e+04 ± 1.111e−16
20000
15000
10000
5000
0
pull
Entries 81
Mean −1.11e+09
Std Dev 1.11e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil7_err_mean vs run
χ² / ndf 2.773e+36 / 80
p0 463.8 ± 1.111e−16
pull
Entries 81
Mean −6.791e+08
Std Dev 6.791e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_usr_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil7_mean vs run
χ^2 / ndf inf / 80
p0 9252 ± 1.111e−16
pull
Entries 81
Mean 1.257e+10
Std Dev 1.257e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atl1_coil7_err_mean vs run
χ² / ndf 2.484e+36 / 80
p0 463.3 ± 1.111e−16
pull
Entries 81
Mean −5.256e+09
Std Dev 5.256e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atl2_coil7_mean vs run
×10^3
140
120
100
80
60
40
20
0
χ² / ndf inf / 80
p0 1.161e+05 ± 1.111e−16
×10^18
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 81
Mean −2.957e+09
Std Dev 2.957e+09

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

dit_atl2_coil7_err_mean vs run
χ² / ndf 1.649e+38 / 80
p0 3148 ± 1.111e−16
5000
4000
3000
2000
1000
0
pull
Entries 81
Mean 5.215e+07
Std Dev 5.215e+07
×10¹⁵
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atr1_coil7_mean vs run
χ² / ndf inf / 80
p0 5625 ± 1.111e−16
pull
Entries 81
Mean 1.483e+09
Std Dev 1.483e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_atr1_coil7_err_mean vs run
χ² / ndf 3.322e+36 / 80
p0 526.9 ± 1.111e−16
700
600
500
400
300
200
100
0
pull
Entries 81
Mean −1.392e+09
Std Dev 1.392e+09
×10¹⁵
200
100
0
−100
−200
−300
−400
−500

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

dit_atr1_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil7_mean vs run
×10^3
120
100
80
60
40
20
0
χ² / ndf inf / 80
p0 1.033e+05 ± 1.111e−16
×10^18
20
0
−20
−40
−60
−80
−100
pull
Entries 81
Mean −1.622e+09
Std Dev 1.622e+09

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

dit_atr2_coil7_err_mean vs run

dit_atr2_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam1_coil7_mean vs run
χ² / ndf 2.698e+35 / 80
p0 54.76 ± 1.111e−16
pull
Entries 81
Mean −1.088e+09
Std Dev 1.088e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam1_coil7_err_mean vs run
χ^2 / ndf 8.809e+34 / 80
p0 78.95 ± 1.111e−16
pull
Entries 81
Mean −4.124e+08
Std Dev 4.124e+08

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam1_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam2_coil7_mean vs run
χ² / ndf 6.965e+37 / 80
p0 −2116 ± 1.111e−16
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 81
Mean 1.077e+09
Std Dev 1.077e+09
×10¹⁵
2000
1500
1000
500
0
−500
−1000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil7_err_mean vs run
χ² / ndf 9.466e+36 / 80
p0 806.8 ± 1.111e−16
pull
Entries 81
Mean 2.988e+09
Std Dev 2.988e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam2_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam3_coil7_mean vs run
χ² / ndf 6.162e+37 / 80
p0 −2369 ± 1.111e−16
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 81
Mean −6.893e+08
Std Dev 6.893e+08
×10¹⁵
2500
2000
1500
1000
500
0
−500

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

dit_sam3_coil7_err_mean vs run
χ^2 / ndf 3.285e+36 / 80
p0 482.6 ± 1.111e−16
pull
Entries 81
Mean 1.341e+10
Std Dev 1.341e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam3_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam4_coil7_mean vs run
χ² / ndf 3.129e+38 / 80
p0 –5493 ± 1.111e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
–7000
pull
Entries 81
Mean 1.058e+09
Std Dev 1.058e+09
×10¹⁵
5000
4000
3000
2000
1000
0
–1000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam4_coil7_err_mean vs run
χ² / ndf 7.706e+36 / 80
p0 787.2 ± 1.111e−16
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 1.466e+09
Std Dev 1.466e+09
×10¹⁵
400
200
0
−200
−400
−600
−800

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

dit_sam4_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam5_coil7_mean vs run
χ^2 / ndf 1.771e+37 / 80
p0 –1273 ± 1.111e–16
pull
Entries 81
Mean 4.705e+09
Std Dev 4.705e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam5_coil7_err_mean vs run
χ² / ndf 3.397e+35 / 80
p0 173.4 ± 1.111e−16
pull
Entries 81
Mean 2.658e+09
Std Dev 2.658e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam5_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil7_mean vs run
χ² / ndf 3.321e+36 / 80
p0 53.14 ± 1.111e−16
pull
Entries 81
Mean 1.678e+07
Std Dev 1.678e+07

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam6_coil7_err_mean vs run
χ² / ndf 1.177e+36 / 80
p0 295.1± 1.111e−16
pull
Entries 81
Mean −1.036e+09
Std Dev 1.036e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam6_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam7_coil7_mean vs run
χ² / ndf 7.786e+36 / 80
p0 −834.4 ± 1.111e−16
0
−200
−400
−600
−800
−1000
pull
Entries 81
Mean −3.787e+09
Std Dev 3.787e+09
×10¹⁵
800
600
400
200
0
−200

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

dit_sam7_coil7_err_mean vs run
χ² / ndf 3.709e+35 / 80
p0 159.7 ± 1.111e−16
pull
Entries 81
Mean 7.981e+08
Std Dev 7.981e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam7_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam8_coil7_mean vs run
χ^2 / ndf 4.944e+36 / 80
p0 –675.1 ± 1.111e–16
0
–200
–400
–600
–800
pull
Entries 81
Mean 5.087e+09
Std Dev 5.087e+09
×10^15
700
600
500
400
300
200
100
0
–100
–200

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

dit_sam8_coil7_err_mean vs run
χ² / ndf 2.15e+35 / 80
p0 124.2 ± 1.111e−16
pull
Entries 81
Mean 9.446e+09
Std Dev 9.446e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam8_coil7_Ndata_mean vs run
χ^2 / ndf 2.045e+37 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 1.197e+10
Std Dev 1.197e+10

pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aX_coil4_mean vs run

dit_4aX_coil4_err_mean vs run

dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_4eX_coil4_mean vs run

dit_4eX_coil4_err_mean vs run

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil4_mean vs run

dit_11X12X_coil4_err_mean vs run

dit_11X12X_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_4aY_coil4_mean vs run
χ^2 / ndf 2.452e+35 / 80
p0 155.6 ± 1.111e−16
pull
Entries 81
Mean −3.499e+09
Std Dev 3.499e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aY_coil4_err_mean vs run

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_4eY_coil4_mean vs run
χ^2 / ndf 2.831e+35 / 80
p0 167.2 ± 1.111e−16
200
150
100
50
0
pull
Entries 81
Mean −7.833e+08
Std Dev 7.833e+08
20
0
−20
−40
−60
−80
−100
−120
−140
−160

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

dit_4eY_coil4_err_mean vs run
χ^2 / ndf 1.087e+31 / 80
p0 0.8112 ± 1.111e−16
pull
Entries 81
Mean 1.101e+10
Std Dev 1.101e+10

pull1D
Entries 81
Mean 0
Std Dev 0

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_usl_coil4_mean vs run
χ² / ndf 1.397e+38 / 80
p0 3692 ± 1.111e−16
4000
3000
2000
1000
0
pull
Entries 81
Mean 1.07e+09
Std Dev 1.07e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil4_err_mean vs run
χ² / ndf 1.533e+36 / 80
p0 317.5 ± 1.111e−16
600
500
400
300
200
100
0
pull
Entries 81
Mean 7.188e+08
Std Dev 7.188e+08
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_usr_coil4_mean vs run
χ^2 / ndf 1.066e+38 / 80
p0 3195 ± 1.111e−16
pull
Entries 81
Mean 1.481e+09
Std Dev 1.481e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_usr_coil4_err_mean vs run
χ² / ndf 1.013e+36 / 80
p0 276 ± 1.111e−16
pull
Entries 81
Mean −4.273e+10
Std Dev 4.273e+10

pull1D
Entries 81
Mean 0
Std Dev 0

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_atl1_coil4_mean vs run
χ^2 / ndf 1.583e+37 / 80
p0 –1017 ± 1.111e–16
0
–200
–400
–600
–800
–1000
–1200
–1400
pull
Entries 81
Mean 3.875e+09
Std Dev 3.875e+09
×10^15
1000
800
600
400
200
0
–200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_atl1_coil4_err_mean vs run
χ² / ndf 1.06e+36 / 80
p0 298 ± 1.111e−16
400
300
200
100
0
pull
Entries 81
Mean 1.314e+09
Std Dev 1.314e+09
×10¹⁵
150
100
50
0
−50
−100
−150
−200
−250
−300

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

dit_atl1_coil4_Ndata_mean vs run

dit_atl2_coil4_mean vs run
χ² / ndf inf / 80
p0 2.811e+04 ± 1.111e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 81
Mean 2.64e+09
Std Dev 2.64e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25

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

dit_atl2_coil4_err_mean vs run
χ² / ndf 4.34e+37 / 80
p0 1755 ± 1.111e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 81
Mean 2.662e+09
Std Dev 2.662e+09
×10¹⁵
1000
500
0
−500
−1000
−1500

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

dit_atl2_coil4_Ndata_mean vs run
χ^2 / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_atr1_coil4_mean vs run
χ^2 / ndf 5.251e+37 / 80
p0 –1920 ± 1.111e–16
0
–500
–1000
–1500
–2000
–2500
–3000
–3500
pull
Entries 81
Mean 5.009e+09
Std Dev 5.009e+09
$\times 10^{15}$
2000
1500
1000
500
0
–500
–1000

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

dit_atr1_coil4_err_mean vs run
χ² / ndf 1.448e+36 / 80
p0 345.7 ± 1.111e−16
pull
Entries 81
Mean −1.458e+09
Std Dev 1.458e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atr1_coil4_Ndata_mean vs run
χ^2 / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_atr2_coil4_mean vs run
χ² / ndf inf / 80
p0 2.437e+04 ± 1.111e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 81
Mean 1.003e+09
Std Dev 1.003e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil4_err_mean vs run
χ² / ndf 2.953e+37 / 80
p0 1499 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.773e+09
Std Dev 1.773e+09
×10¹⁵
500
0
−500
−1000
−1500
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil4_mean vs run

dit_sam1_coil4_err_mean vs run
χ² / ndf 5.113e+34 / 80
p0 54.24 ± 1.111e−16
pull
Entries 81
Mean −1.192e+09
Std Dev 1.192e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam2_coil4_mean vs run
χ² / ndf inf / 80
p0 −3.334e+04 ± 1.111e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
−40000
pull
Entries 81
Mean 8.679e+09
Std Dev 8.679e+09
×10¹⁸
35
30
25
20
15
10
5
0
−5
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil4_err_mean vs run
χ² / ndf 6.699e+36 / 80
p0 558.5 ± 1.111e−16
1200
1000
800
600
400
200
0
pull
Entries 81
Mean 2.23e+09
Std Dev 2.23e+09
×10¹⁵
600
400
200
0
−200
−400
−600
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam3_coil4_mean vs run
χ² / ndf 1.369e+38 / 80
p0 3667 ± 1.111e−16
4000
3000
2000
1000
0
pull
Entries 81
Mean −1.9e+09
Std Dev 1.9e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

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

dit_sam3_coil4_err_mean vs run
χ² / ndf 1.747e+36 / 80
p0 321.9 ± 1.111e−16
600
500
400
300
200
100
0
pull
Entries 81
Mean −8.119e+09
Std Dev 8.119e+09
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil4_Ndata_mean vs run
χ^2 / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam4_coil4_mean vs run
χ² / ndf inf / 80
p0 3.947e+04 ± 1.111e−16
40000
30000
20000
10000
0
pull
Entries 81
Mean 1.048e+09
Std Dev 1.048e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
−35
−40

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

dit_sam4_coil4_err_mean vs run
χ^2 / ndf 3.86e+36 / 80
p0 505.4 ± 1.111e−16
pull
Entries 81
Mean 1.988e+09
Std Dev 1.988e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil4_mean vs run
χ² / ndf inf / 80
p0 2.439e+04 ± 1.111e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 81
Mean −5.405e+09
Std Dev 5.405e+09
×10¹⁸
0
−5
−10
−15
−20
−25
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil4_err_mean vs run
χ² / ndf 2.801e+35 / 80
p0 129.5 ± 1.111e−16
pull
Entries 81
Mean −3.206e+09
Std Dev 3.206e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam6_coil4_mean vs run
χ² / ndf inf / 80
p0 1.943e+04 ± 1.111e−16
20000
15000
10000
5000
0
pull
Entries 81
Mean 8.644e+08
Std Dev 8.644e+08
×10¹⁸
0
−5
−10
−15
−20

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

dit_sam6_coil4_err_mean vs run
χ² / ndf 8.933e+35 / 80
p0 209 ± 1.111e−16
400
300
200
100
0
pull
Entries 81
Mean 1.224e+10
Std Dev 1.224e+10
×10¹⁵
250
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam7_coil4_mean vs run
χ² / ndf 1.777e+37 / 80
p0 −1316 ± 1.111e−16
pull
Entries 81
Mean 1.941e+09
Std Dev 1.941e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam7_coil4_err_mean vs run
χ² / ndf 2.277e+35 / 80
p0 109.8 ± 1.111e−16
pull
Entries 81
Mean −5.485e+09
Std Dev 5.485e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam7_coil4_Ndata_mean vs run
χ^2 / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam8_coil4_mean vs run
χ^2 / ndf 1.883e+37 / 80
p0 1361± 1.111e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 81
Mean −4.385e+09
Std Dev 4.385e+09
×10^15
200
0
−200
−400
−600
−800
−1000
−1200
−1400

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

dit_sam8_coil4_err_mean vs run
χ² / ndf 1.25e+35 / 80
p0 82.49 ± 1.111e−16
pull
Entries 81
Mean −8.844e+08
Std Dev 8.844e+08

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 2.729e+37 / 80
p0 1294 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −3.437e+08
Std Dev 3.437e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_4aX_coil6_mean vs run
χ² / ndf 3.772e+32 / 80
p0 6.034 ± 1.111e−16
pull
Entries 81
Mean 1.325e+09
Std Dev 1.325e+09
pull1D
Entries 81
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

dit_4eX_coil6_err_mean vs run

dit_4eX_coil6_Ndata_mean vs run

dit_11X12X_coil6_mean vs run
χ^2 / ndf 2.234e+32 / 80
p0 4.385 ± 1.111e−16
pull
Entries 81
Mean 1.047e+09
Std Dev 1.047e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_11X12X_coil6_err_mean vs run

dit_11X12X_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil6_mean vs run
χ^2 / ndf 2.666e+34 / 80
p0 51.31± 1.111e−16
pull
Entries 81
Mean −4.997e+09
Std Dev 4.997e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_4aY_coil6_err_mean vs run

dit_4aY_coil6_Ndata_mean vs run

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 1.068e+37 / 80
p0 –1011 ± 1.111e–16
0
–200
–400
–600
–800
–1000
–1200
pull
Entries 81
Mean 1.894e+09
Std Dev 1.894e+09
×10¹⁵
1000
800
600
400
200
0
–200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_usl_coil6_err_mean vs run
χ^2 / ndf 2.709e+35 / 80
p0 119.9 ± 1.111e−16
pull
Entries 81
Mean 2.339e+07
Std Dev 2.339e+07

pull1D
Entries 81
Mean 0
Std Dev 0

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil6_mean vs run
χ² / ndf 2.634e+35 / 80
p0 −123.2 ± 1.111e−16
0
−50
−100
−150
−200
pull
Entries 81
Mean 1.965e+09
Std Dev 1.965e+09
×10¹⁵
120
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil6_err_mean vs run
χ² / ndf 1.557e+35 / 80
p0 92.24 ± 1.111e−16
pull
Entries 81
Mean −1.268e+09
Std Dev 1.268e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil6_mean vs run
χ^2 / ndf 6.658e+36 / 80
p0 790.7 ± 1.111e−16
1000
800
600
400
200
0
pull
Entries 81
Mean 1.409e+09
Std Dev 1.409e+09
$\times 10^{15}$
200
0
−200
−400
−600
−800

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

dit_atl1_coil6_err_mean vs run
χ² / ndf 1.273e+35 / 80
p0 96.3 ± 1.111e−16
pull
Entries 81
Mean 1.863e+09
Std Dev 1.863e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_atl1_coil6_Ndata_mean vs run

dit_atl2_coil6_mean vs run
χ² / ndf 2.98e+38 / 80
p0 –5383 ± 1.111e–16
pull
Entries 81
Mean –1.537e+09
Std Dev 1.537e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atl2_coil6_err_mean vs run
χ² / ndf 9.351e+36 / 80
p0 660.2 ± 1.111e−16
pull
Entries 81
Mean −1.797e+08
Std Dev 1.797e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atl2_coil6_Ndata_mean vs run

dit_atr1_coil6_mean vs run
χ² / ndf 2.954e+36 / 80
p0 487.2 ± 1.111e−16
pull
Entries 81
Mean −9.175e+08
Std Dev 9.175e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atr1_coil6_err_mean vs run

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil6_mean vs run
χ² / ndf 1.428e+38 / 80
p0 −3723 ± 1.111e−16
0
−1000
−2000
−3000
−4000
pull
Entries 81
Mean −1.211e+09
Std Dev 1.211e+09
×10¹⁵
3500
3000
2500
2000
1500
1000
500
0
−500
−1000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil6_err_mean vs run
χ² / ndf 6.445e+36 / 80
p0 540.5 ± 1.111e−16
pull
Entries 81
Mean −1.382e+08
Std Dev 1.382e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_atr2_coil6_Ndata_mean vs run

dit_sam1_coil6_mean vs run
χ² / ndf 7.653e+37 / 80
p0 −2749 ± 1.111e−16
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 81
Mean 0
Std Dev 0
×10¹⁵
2500
2000
1500
1000
500
0
−500
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil6_err_mean vs run

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_mean vs run
χ^2 / ndf 3.42e+37 / 80
p0 1820 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −2.88e+09
Std Dev 2.88e+09
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

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

dit_sam2_coil6_err_mean vs run
χ^2 / ndf 5.999e+35 / 80
p0 189.4 ± 1.111e−16
pull
Entries 81
Mean 2.214e+09
Std Dev 2.214e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam2_coil6_Ndata_mean vs run
χ^2 / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam3_coil6_mean vs run
χ² / ndf 1.838e+37 / 80
p0 −1342 ± 1.111e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
pull
Entries 81
Mean 1.531e+09
Std Dev 1.531e+09
×10¹⁵
1400
1200
1000
800
600
400
200
0
−200

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

dit_sam3_coil6_err_mean vs run
χ^2 / ndf 2.082e+35 / 80
p0 111.5 ± 1.111e−16
pull
Entries 81
Mean −2.199e+09
Std Dev 2.199e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil6_mean vs run

dit_sam4_coil6_err_mean vs run
χ² / ndf 4.925e+35 / 80
p0 179.6 ± 1.111e−16
pull
Entries 81
Mean 9.824e+08
Std Dev 9.824e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil6_mean vs run
χ² / ndf 2.552e+36 / 80
p0 492.5 ± 1.111e−16
600
500
400
300
200
100
0
pull
Entries 81
Mean 2.535e+09
Std Dev 2.535e+09
×10¹⁵
100
0
−100
−200
−300
−400
−500

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

dit_sam5_coil6_err_mean vs run
χ² / ndf 2.468e+34 / 80
p0 40.44 ± 1.111e−16
pull
Entries 81
Mean −2.631e+09
Std Dev 2.631e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil6_mean vs run
χ² / ndf 7.017e+35 / 80
p0 227.6 ± 1.111e−16
pull
Entries 81
Mean −9.746e+08
Std Dev 9.746e+08
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam6_coil6_err_mean vs run
χ² / ndf 7.976e+34 / 80
p0 69.7 ± 1.111e−16
pull
Entries 81
Mean 9.284e+09
Std Dev 9.284e+09

pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil6_mean vs run
χ² / ndf 6.371e+35 / 80
p0 248.1± 1.111e−16
300
250
200
150
100
50
0
pull
Entries 81
Mean −3.161e+09
Std Dev 3.161e+09
×10¹⁵
50
0
−50
−100
−150
−200
−250

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

dit_sam7_coil6_err_mean vs run
χ² / ndf 2.41e+34 / 80
p0 36.73 ± 1.111e−16
pull
Entries 81
Mean −1.085e+09
Std Dev 1.085e+09
pull1D
Entries 81
Mean 0
Std Dev 0

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil6_mean vs run
χ^2 / ndf 1.092e+38 / 80
p0 –3284 ± 1.111e–16
0
–500
–1000
–1500
–2000
–2500
–3000
–3500
–4000
pull
Entries 81
Mean 1.163e+10
Std Dev 1.163e+10
×10^15
3000
2500
2000
1500
1000
500
0
–500

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

dit_sam8_coil6_err_mean vs run

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 2.702e+37 / 80
p0 1266 ± 1.111e−16
2000
1500
1000
500
0
pull
Entries 81
Mean −1.107e+10
Std Dev 1.107e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_run_mean vs run
χ^2 / ndf 3.919e+08 / 80
p0 6222 ± 245.9
7000
6000
5000
4000
3000
2000
1000
0

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

dit_run_rms vs run
χ² / ndf 3.919e+08 / 80
p0 6222 ± 245.9
7000
6000
5000
4000
3000
2000
1000
0

dit_slug_slope vs run
χ^2 / ndf 6.866e−26 / 84
p0 158 ± 3.101e−15
159
158.8
158.6
158.4
158.2
158

pull1D
Entries 85
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 4.665e+08 / 80
p0 6788 ± 268.3
8000
7000
6000
5000
4000
3000
2000
1000
0

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

dit_cyclenum_rms vs run

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

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

dit_scandata1_rms vs run

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

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

dit_scandata2_rms vs run

dit_flag_mean vs run
χ^2 / ndf 8 / 80
p0 0.8889 ± 0.03514
1
0.8
0.6
0.4
0.2
0

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

dit_flag_rms vs run

dit_segment_slope vs run
χ^2 / ndf 1.048e−30 / 84
p0 1 ± 1.211e−17
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 84.14 / 84
p0 −1.918 ± 0.311
pull
Entries 85
Mean 23.08
Std Dev 61.23

pull1D
Entries 85
Mean −0.117
Std Dev 0.4689

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 26.22 / 84
p0 −50.21 ± 0.2156
pull
Entries 85
Mean 436.4
Std Dev 411.9

pull1D
Entries 85
Mean 0.008123
Std Dev 0.5553

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 81.95 / 84
p0 −12 ± 0.2873
pull
Entries 85
Mean 37.6
Std Dev 59.76

pull1D
Entries 85
Mean 0.02125
Std Dev 0.9817

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 27.71 / 84
p0 10.47 ± 0.2267
pull
Entries 85
Mean −476.1
Std Dev 417.7

pull1D
Entries 85
Mean 0.001062
Std Dev 0.571

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 62.48 / 84
p0 0.385 ± 0.01032
pull
Entries 85
Mean −58.5
Std Dev 48.47

pull1D
Entries 85
Mean 0.01329
Std Dev 0.8572

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 14.73 / 84
p0 −34.16 ± 2.212
pull
Entries 85
Mean −27.81
Std Dev 68.75

pull1D
Entries 85
Mean −0.009077
Std Dev 0.4162

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.253 / 84
p0 −20.25 ± 1.518
pull
Entries 85
Mean −106.2
Std Dev 134.6

pull1D
Entries 85
Mean −0.01706
Std Dev 0.2916

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 16.64 / 84
p0 −162.6 ± 2.043
pull
Entries 85
Mean 89.97
Std Dev 72.89
pull1D
Entries 85
Mean 0.006191
Std Dev 0.4424

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 10.26 / 84
p0 −162.8 ± 1.601
pull
Entries 85
Mean −101.6
Std Dev 121.3

pull1D
Entries 85
Mean 0.01054
Std Dev 0.3473

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 12.76 / 84
p0 1.197 ± 0.07336
pull
Entries 85
Mean −43.16
Std Dev 147.3

pull1D
Entries 85
Mean 0.004805
Std Dev 0.3874

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 35.9 / 84
p0 −31.14 ± 1.163
pull
Entries 85
Mean −144.7
Std Dev 184.2

pull1D
Entries 85
Mean −0.01447
Std Dev 0.6497

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 1.624 / 84
p0 −6.328 ± 0.796
pull
Entries 85
Mean 27.82
Std Dev 11.46

pull1D
Entries 85
Mean −0.006838
Std Dev 0.138

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 38.64 / 84
p0 −80.62 ± 1.074
pull
Entries 85
Mean −150.3
Std Dev 193

pull1D
Entries 85
Mean 0.006542
Std Dev 0.6742

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 2.193 / 84
p0 28.69 ± 0.8404
pull
Entries 85
Mean 36.55
Std Dev 70.3

pull1D
Entries 85
Mean 0.003478
Std Dev 0.1606

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 5.341 / 84
p0 0.4249 ± 0.03859
pull
Entries 85
Mean 397.5
Std Dev 287.7

pull1D
Entries 85
Mean −0.002083
Std Dev 0.2507

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 4.612 / 84
p0 −50.18 ± 2.594
pull
Entries 85
Mean −98.88
Std Dev 71.17

pull1D
Entries 85
Mean −0.003166
Std Dev 0.2329

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 6.679 / 84
p0 8.351 ± 1.78
pull
Entries 85
Mean 404.5
Std Dev 385

pull1D
Entries 85
Mean −0.003504
Std Dev 0.2803

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 6.004 / 84
p0 −135.5 ± 2.395
pull
Entries 85
Mean −74.71
Std Dev 169.1

pull1D
Entries 85
Mean 0.001089
Std Dev 0.2658

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 12.25 / 84
p0 216.6 ± 1.878
pull
Entries 85
Mean 416.9
Std Dev 398.2

pull1D
Entries 85
Mean 0.003696
Std Dev 0.3795

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 11.34 / 84
p0 −0.004988 ± 0.08604
pull
Entries 85
Mean 100.6
Std Dev 169.1

pull1D
Entries 85
Mean −0.005586
Std Dev 0.3652

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 5.426 / 84
p0 −3.192 ± 0.9599
pull
Entries 85
Mean 45.43
Std Dev 152.8

pull1D
Entries 85
Mean −0.001396
Std Dev 0.2526

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 12.35 / 84
p0 46.94 ± 0.663
pull
Entries 85
Mean −453
Std Dev 478.7

pull1D
Entries 85
Mean 0.0066
Std Dev 0.3812

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 5.502 / 84
p0 12.29 ± 0.8866
pull
Entries 85
Mean 143.6
Std Dev 115.1
pull1D
Entries 85
Mean 0.001261
Std Dev 0.2544

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.08 / 84
p0 94.82 ± 0.6981
pull
Entries 85
Mean −367.7
Std Dev 395.7

pull1D
Entries 85
Mean −0.01137
Std Dev 0.4611

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 21.04 / 84
p0 0.01099 ± 0.03184
pull
Entries 85
Mean 37.88
Std Dev 137.4

pull1D
Entries 85
Mean −0.01221
Std Dev 0.4973

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 7.921 / 84
p0 15.56 ± 0.9675
pull
Entries 85
Mean 239.9
Std Dev 207.1

pull1D
Entries 85
Mean 0.005893
Std Dev 0.3052

reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 14.45 / 84
p0 36.42 ± 0.6673
pull
Entries 85
Mean −146.9
Std Dev 180.9

pull1D
Entries 85
Mean 0.02509
Std Dev 0.4116

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 7.888 / 84
p0 53.66 ± 0.8936
pull
Entries 85
Mean −58.16
Std Dev 120.6

pull1D
Entries 85
Mean −0.003339
Std Dev 0.3046

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 22.04 / 84
p0 75.69 ± 0.7027
pull
Entries 85
Mean −275.7
Std Dev 311.4

pull1D
Entries 85
Mean −0.02273
Std Dev 0.5088

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 27.88 / 84
p0 −0.02246 ± 0.0321
pull
Entries 85
Mean 36.73
Std Dev 150.5

pull1D
Entries 85
Mean −0.01012
Std Dev 0.5727

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 17.41 / 84
p0 16.64 ± 0.4141
pull
Entries 85
Mean 273.7
Std Dev 360.6

pull1D
Entries 85
Mean 0.001239
Std Dev 0.4526

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 9.976 / 84
p0 8.302 ± 0.2838
pull
Entries 85
Mean −500.5
Std Dev 532.7

pull1D
Entries 85
Mean 0.00387
Std Dev 0.3426

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 21.71 / 84
p0 −55.27 ± 0.3824
pull
Entries 85
Mean −157.5
Std Dev 244.5

pull1D
Entries 85
Mean −0.004607
Std Dev 0.5053

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 11.76 / 84
p0 −14.68 ± 0.2994
pull
Entries 85
Mean −6994
Std Dev 7026
pull1D
Entries 85
Mean −0.0003382
Std Dev 0.372

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 13.83 / 84
p0 0.4464 ± 0.01374
pull
Entries 85
Mean −48.43
Std Dev 192.4
pull1D
Entries 85
Mean 0.002618
Std Dev 0.4033

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 25.53 / 84
p0 10.82 ± 0.34
pull
Entries 85
Mean 29.62
Std Dev 70.2

pull1D
Entries 85
Mean −0.01125
Std Dev 0.548

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 18.7 / 84
p0 −39.55 ± 0.2332
pull
Entries 85
Mean −11.33
Std Dev 43.2

pull1D
Entries 85
Mean 0.05091
Std Dev 0.4663

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 27.2 / 84
p0 −40.69 ± 0.314
pull
Entries 85
Mean 70.59
Std Dev 80.02

pull1D
Entries 85
Mean 0.008747
Std Dev 0.5656

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 14.12 / 84
p0 44.14 ± 0.2461
pull
Entries 85
Mean −70.83
Std Dev 101.6

pull1D
Entries 85
Mean −0.03248
Std Dev 0.4062

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 15.57 / 84
p0 0.3229 ± 0.01128
pull
Entries 85
Mean 521.2
Std Dev 315.7

pull1D
Entries 85
Mean −0.001397
Std Dev 0.428

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 32.17 / 84
p0 −82.98 ± 2.071
pull
Entries 85
Mean 1.366
Std Dev 68.8
pull1D
Entries 85
Mean −0.01373
Std Dev 0.6151

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 38.26 / 84
p0 1.441 ± 1.424
pull
Entries 85
Mean −24.31
Std Dev 85.53

pull1D
Entries 85
Mean 0.02219
Std Dev 0.6706

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 33.95 / 84
p0 18.58 ± 1.912
pull
Entries 85
Mean 39.93
Std Dev 60.15
pull1D
Entries 85
Mean 0.01559
Std Dev 0.6318

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 39.8 / 84
p0 16.98 ± 1.502
pull
Entries 85
Mean −48.42
Std Dev 111
pull1D
Entries 85
Mean −0.01877
Std Dev 0.684

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 146.1 / 84
p0 −40.78 ± 0.06873
pull
Entries 85
Mean −1415
Std Dev 1443

pull1D
Entries 85
Mean 0.008209
Std Dev 1.311

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 43.5 / 84
p0 −76.26 ± 1.977
pull
Entries 85
Mean 88.45
Std Dev 47.53
pull1D
Entries 85
Mean 0.002592
Std Dev 0.7154

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 36.33 / 84
p0 1.744 ± 1.36
pull
Entries 85
Mean −5.818
Std Dev 35.12
pull1D
Entries 85
Mean −0.01467
Std Dev 0.6536

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 43.42 / 84
p0 130.8 ± 1.826
pull
Entries 85
Mean 194.2
Std Dev 128.3
pull1D
Entries 85
Mean −0.002495
Std Dev 0.7147

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 33.97 / 84
p0 14.03 ± 1.433
pull
Entries 85
Mean −47.79
Std Dev 81.34

pull1D
Entries 85
Mean 0.01263
Std Dev 0.632

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 57.4 / 84
p0 −37.8 ± 0.06563
pull
Entries 85
Mean 548.3
Std Dev 495.7

pull1D
Entries 85
Mean 0.002973
Std Dev 0.8218

reg_asym_dsl_diff_bpm1X_slope vs run

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 73.63 / 84
p0 −0.2009 ± 0.07981
pull
Entries 85
Mean −100.7
Std Dev 153.2

pull1D
Entries 85
Mean 0.0114
Std Dev 0.9307

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 110.3 / 84
p0 0.1343 ± 0.1068
pull
Entries 85
Mean 144.2
Std Dev 17.87

pull1D
Entries 85
Mean −0.00836
Std Dev 1.139

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 79.34 / 84
p0 0.1951 ± 0.08407
pull
Entries 85
Mean −95.23
Std Dev 149.6
pull1D
Entries 85
Mean −0.01376
Std Dev 0.966

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 102.3 / 84
p0 −0.008155 ± 0.003839
pull
Entries 85
Mean 672.7
Std Dev 644.9
pull1D
Entries 85
Mean −0.004142
Std Dev 1.097

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 76.59 / 84
p0 −0.1341± 0.1567
pull
Entries 85
Mean 7.869
Std Dev 50.99
pull1D
Entries 85
Mean −0.01202
Std Dev 0.9492

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 93.53 / 84
p0 −0.0637 ± 0.1081
pull
Entries 85
Mean −189.9
Std Dev 239
pull1D
Entries 85
Mean −0.007104
Std Dev 1.049

reg_asym_dsr_diff_bpm4eX_slope vs run

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 86.87 / 84
p0 0.06943 ± 0.1139
pull
Entries 85
Mean −411.3
Std Dev 457.2

pull1D
Entries 85
Mean 0.005545
Std Dev 1.011

reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 90.09 / 84
p0 0.01736 ± 0.005199
pull
Entries 85
Mean −636
Std Dev 686

pull1D
Entries 85
Mean 0.006166
Std Dev 1.029

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 31.04 / 84
p0 −79.59 ± 1.699
pull
Entries 85
Mean −9.961
Std Dev 76.72

pull1D
Entries 85
Mean −0.007906
Std Dev 0.6043

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 28.53 / 84
p0 1.582 ± 1.167
pull
Entries 85
Mean −48.97
Std Dev 129.6

pull1D
Entries 85
Mean 0.005593
Std Dev 0.5793

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 32.57 / 84
p0 74.65 ± 1.568
pull
Entries 85
Mean 16.29
Std Dev 74.07

pull1D
Entries 85
Mean 0.009054
Std Dev 0.619

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.46 / 84
p0 15.51 ± 1.231
pull
Entries 85
Mean −42.11
Std Dev 139.3

pull1D
Entries 85
Mean −0.004655
Std Dev 0.5579

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 86.82 / 84
p0 −39.29 ± 0.0564
pull
Entries 85
Mean −894.1
Std Dev 918.8

pull1D
Entries 85
Mean 0.006873
Std Dev 1.011

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 52.68 / 84
p0 −3.331 ± 1.101
pull
Entries 85
Mean 13.56
Std Dev 56.38

pull1D
Entries 85
Mean −0.01642
Std Dev 0.787

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.62 / 84
p0 −0.1759 ± 0.7581
pull
Entries 85
Mean −14.83
Std Dev 67.28
pull1D
Entries 85
Mean 0.03593
Std Dev 0.8297

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 51.99 / 84
p0 −56.11 ± 1.016
pull
Entries 85
Mean 56.76
Std Dev 48.26

pull1D
Entries 85
Mean 0.01739
Std Dev 0.7819

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 62.35 / 84
p0 1.509 ± 0.7988
pull
Entries 85
Mean −42.72
Std Dev 94.74
pull1D
Entries 85
Mean −0.03132
Std Dev 0.8559

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 141.4 / 84
p0 −1.496 ± 0.03652
pull
Entries 85
Mean −828.8
Std Dev 859.4
pull1D
Entries 85
Mean 0.01413
Std Dev 1.29

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 92.63 / 84
p0 −0.1288 ± 0.09746
pull
Entries 85
Mean −87.2
Std Dev 165.7

pull1D
Entries 85
Mean −0.006196
Std Dev 1.044

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 96.78 / 84
p0 −0.1315 ± 0.06727
pull
Entries 85
Mean 936.7
Std Dev 896.8
pull1D
Entries 85
Mean 0.0004121
Std Dev 1.067

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.76 / 84
p0 0.1198 ± 0.09
pull
Entries 85
Mean −89.34
Std Dev 171.4

pull1D
Entries 85
Mean 0.005649
Std Dev 1.022

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 95.07 / 84
p0 0.1312 ± 0.07085
pull
Entries 85
Mean 350.5
Std Dev 315.7

pull1D
Entries 85
Mean −0.002961
Std Dev 1.058

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 89.92 / 84
p0 0.004548 ± 0.003234
pull
Entries 85
Mean −1370
Std Dev 1413
pull1D
Entries 85
Mean 0.003493
Std Dev 1.029

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 82.01 / 84
p0 0.004784 ± 0.0973
pull
Entries 85
Mean 55.08
Std Dev 52.12
pull1D
Entries 85
Mean 0.01336
Std Dev 0.9822

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.92 / 84
p0 −0.06808 ± 0.06715
pull
Entries 85
Mean −148.1
Std Dev 198.7

pull1D
Entries 85
Mean 0.01201
Std Dev 0.945

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 83.5 / 84
p0 0.01013 ± 0.08985
pull
Entries 85
Mean 59.1
Std Dev 50.63
pull1D
Entries 85
Mean −0.01291
Std Dev 0.9911

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ2 / ndf 73.1 / 84
p0 0.06223 ± 0.07073
pull
Entries 85
Mean −215.4
Std Dev 264.4

pull1D
Entries 85
Mean −0.01218
Std Dev 0.9273

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 99.24 / 84
p0 −0.01268 ± 0.003229
pull
Entries 85
Mean −166.7
Std Dev 233.9

pull1D
Entries 85
Mean −0.008744
Std Dev 1.08

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 32.43 / 84
p0 −41.56 ± 1.037
pull
Entries 85
Mean −3.691
Std Dev 75.42

pull1D
Entries 85
Mean −0.01314
Std Dev 0.6175

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 39.12 / 84
p0 0.6212 ± 0.7134
pull
Entries 85
Mean −26.96
Std Dev 87.7

pull1D
Entries 85
Mean 0.02271
Std Dev 0.678

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 34.33 / 84
p0 9.359 ± 0.9577
pull
Entries 85
Mean 36.98
Std Dev 64.14

pull1D
Entries 85
Mean 0.015
Std Dev 0.6354

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.95 / 84
p0 8.587 ± 0.7522
pull
Entries 85
Mean −51.01
Std Dev 113.1
pull1D
Entries 85
Mean −0.01941
Std Dev 0.6938

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 148.2 / 84
p0 −20.39 ± 0.03443
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
pull
Entries 85
Mean −1515
Std Dev 1544

pull1D
Entries 85
Mean 0.00776
Std Dev 1.32

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 32.38 / 84
p0 −41.42 ± 1.037
pull
Entries 85
Mean 6.038
Std Dev 62.42

pull1D
Entries 85
Mean −0.01428
Std Dev 0.6171

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 37.63 / 84
p0 0.82 ± 0.713
pull
Entries 85
Mean −21.46
Std Dev 83.22

pull1D
Entries 85
Mean 0.02163
Std Dev 0.665

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 34.05 / 84
p0 9.22 ± 0.9572
pull
Entries 85
Mean 42.68
Std Dev 56.32

pull1D
Entries 85
Mean 0.01613
Std Dev 0.6327

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.9 / 84
p0 8.395 ± 0.7518
pull
Entries 85
Mean −45.54
Std Dev 108.7
pull1D
Entries 85
Mean −0.01808
Std Dev 0.6763

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 143.8 / 84
p0 −20.39 ± 0.03441
pull
Entries 85
Mean −1324
Std Dev 1352

pull1D
Entries 85
Mean 0.008637
Std Dev 1.301

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 42.65 / 84
p0 −38.2 ± 0.9912
pull
Entries 85
Mean 125.2
Std Dev 79.22

pull1D
Entries 85
Mean 0.001751
Std Dev 0.7083

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.91 / 84
p0 0.8399 ± 0.6817
pull
Entries 85
Mean −12.58
Std Dev 45.61

pull1D
Entries 85
Mean −0.01524
Std Dev 0.6676

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 42.43 / 84
p0 65.44 ± 0.9152
pull
Entries 85
Mean 278.6
Std Dev 212.6

pull1D
Entries 85
Mean −0.001691
Std Dev 0.7066

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 35.22 / 84
p0 7.048 ± 0.7186
pull
Entries 85
Mean −59.88
Std Dev 95.34

pull1D
Entries 85
Mean 0.01307
Std Dev 0.6436

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 57.32 / 84
p0 −18.89 ± 0.03291
pull
Entries 85
Mean 360.5
Std Dev 306.8

pull1D
Entries 85
Mean 0.00365
Std Dev 0.8212

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 44.75 / 84
p0 −38.06 ± 0.992
pull
Entries 85
Mean 69.78
Std Dev 35.36

pull1D
Entries 85
Mean 0.003416
Std Dev 0.7256

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 35.47 / 84
p0 0.9032 ± 0.6823
pull
Entries 85
Mean 1.52
Std Dev 20.38

pull1D
Entries 85
Mean −0.01398
Std Dev 0.6458

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 44.76 / 84
p0 65.33 ± 0.916
pull
Entries 85
Mean 151.1
Std Dev 85.36

pull1D
Entries 85
Mean −0.00328
Std Dev 0.7256

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.38 / 84
p0 6.979 ± 0.7192
pull
Entries 85
Mean −34.85
Std Dev 65.49

pull1D
Entries 85
Mean 0.01207
Std Dev 0.6265

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 57.89 / 84
p0 −18.91 ± 0.03293
pull
Entries 85
Mean 846.7
Std Dev 794.7
pull1D
Entries 85
Mean 0.002285
Std Dev 0.8252

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 18.1 / 84
p0 −2.568 ± 0.3525
pull
Entries 85
Mean 23.81
Std Dev 30.9

pull1D
Entries 85
Mean −0.00916
Std Dev 0.4614

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.48 / 84
p0 0.1591 ± 0.3256
pull
Entries 85
Mean 58.87
Std Dev 19.86
pull1D
Entries 85
Mean 0.008501
Std Dev 0.4663

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.69 / 84
p0 52.64 ± 0.256
pull
Entries 85
Mean −371.7
Std Dev 402.9

pull1D
Entries 85
Mean −0.01516
Std Dev 0.5388

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 21.96 / 84
p0 0.1984 ± 0.01169
pull
Entries 85
Mean 78.5
Std Dev 132.8

pull1D
Entries 85
Mean −0.01286
Std Dev 0.5082

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 11.13 / 84
p0 0.633 ± 0.6202
pull
Entries 85
Mean 17.82
Std Dev 108.3

pull1D
Entries 85
Mean −0.003891
Std Dev 0.3618

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.91 / 84
p0 −48.57 ± 0.4289
pull
Entries 85
Mean −1106
Std Dev 1132
pull1D
Entries 85
Mean −0.002871
Std Dev 0.3896

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.83 / 84
p0 −12.14 ± 0.5729
pull
Entries 85
Mean 13.36
Std Dev 108.2

pull1D
Entries 85
Mean 0.003875
Std Dev 0.3569

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.26 / 84
p0 −42.18 ± 0.4514
pull
Entries 85
Mean −356.3
Std Dev 381.3

pull1D
Entries 85
Mean 0.009282
Std Dev 0.4505

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 25.96 / 84
p0 0.1871± 0.02057
pull
Entries 85
Mean 13.62
Std Dev 130.1
pull1D
Entries 85
Mean 0.01235
Std Dev 0.5525

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 20.59 / 84
p0 −7.252 ± 0.7806
pull
Entries 85
Mean −163.5
Std Dev 197
pull1D
Entries 85
Mean −0.01017
Std Dev 0.4921

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.48 / 84
p0 −67.94 ± 0.7208
pull
Entries 85
Mean −152.3
Std Dev 176.9
pull1D
Entries 85
Mean 0.003563
Std Dev 0.5366

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.316 / 84
p0 7.01 ± 0.564
pull
Entries 85
Mean 331.6
Std Dev 289.6

pull1D
Entries 85
Mean 0.00209
Std Dev 0.1244

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.405 / 84
p0 0.4355 ± 0.02589
pull
Entries 85
Mean 1033
Std Dev 917.6

pull1D
Entries 85
Mean −0.0006237
Std Dev 0.2276

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 85.6 / 84
p0 −23.88 ± 0.3913
pull
Entries 85
Mean −128.1
Std Dev 174
pull1D
Entries 85
Mean −0.1231
Std Dev 0.4011

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.585 / 84
p0 −7.306 ± 0.2676
pull
Entries 85
Mean −45.27
Std Dev 75.74

pull1D
Entries 85
Mean −0.01387
Std Dev 0.3175

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.73 / 84
p0 −12.68 ± 0.3613
pull
Entries 85
Mean −152.1
Std Dev 204.8

pull1D
Entries 85
Mean 0.1134
Std Dev 0.37

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.96 / 84
p0 21.67 ± 0.2826
pull
Entries 85
Mean −126.4
Std Dev 145.8
pull1D
Entries 85
Mean 0.007371
Std Dev 0.3591

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 13.77 / 84
p0 −0.01052 ± 0.01298
pull
Entries 85
Mean 216.8
Std Dev 114.6
pull1D
Entries 85
Mean −0.00551
Std Dev 0.4024

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 25.66 / 84
p0 −9.313 ± 0.6639
pull
Entries 85
Mean −149.5
Std Dev 186.9
pull1D
Entries 85
Mean −0.009979
Std Dev 0.5494

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.336 / 84
p0 8.027 ± 0.4543
pull
Entries 85
Mean −169.3
Std Dev 176.3

pull1D
Entries 85
Mean −0.003811
Std Dev 0.3131

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.2 / 84
p0 −54.37 ± 0.6131
pull
Entries 85
Mean −457.5
Std Dev 479.5

pull1D
Entries 85
Mean −0.001332
Std Dev 0.6343

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.79 / 84
p0 −43.44 ± 0.4796
pull
Entries 85
Mean −172.9
Std Dev 220.5
pull1D
Entries 85
Mean −0.01227
Std Dev 0.5289

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 6.485 / 84
p0 0.5863 ± 0.02202
pull
Entries 85
Mean −188.4
Std Dev 173.1

pull1D
Entries 85
Mean 0.002823
Std Dev 0.2762

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.48 / 84
p0 −24.85 ± 1.573
pull
Entries 85
Mean 32.02
Std Dev 27.58

pull1D
Entries 85
Mean −0.008462
Std Dev 0.3673

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.392 / 84
p0 −28.31 ± 1.081
pull
Entries 85
Mean −113.2
Std Dev 144

pull1D
Entries 85
Mean −0.02081
Std Dev 0.3135

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.78 / 84
p0 −108.2 ± 1.452
pull
Entries 85
Mean 58.69
Std Dev 50.73

pull1D
Entries 85
Mean 0.007201
Std Dev 0.3722

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.956 / 84
p0 −119.3 ± 1.139
pull
Entries 85
Mean −152.6
Std Dev 183.2

pull1D
Entries 85
Mean 0.0168
Std Dev 0.3418

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 16.75 / 84
p0 0.6098 ± 0.05217
pull
Entries 85
Mean −7.116
Std Dev 157.5
pull1D
Entries 85
Mean 0.006182
Std Dev 0.4438

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 5.875 / 84
p0 −19.69 ± 1.44
pull
Entries 85
Mean −68.27
Std Dev 25.95

pull1D
Entries 85
Mean −0.003794
Std Dev 0.2629

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.808 / 84
p0 −15.59 ± 0.9876
pull
Entries 85
Mean −543.6
Std Dev 565.3
pull1D
Entries 85
Mean 0.002522
Std Dev 0.2614

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.402 / 84
p0 −88.06 ± 1.33
pull
Entries 85
Mean −13.9
Std Dev 169.5
pull1D
Entries 85
Mean 0.001525
Std Dev 0.2951

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.8 / 84
p0 130.4 ± 1.042
pull
Entries 85
Mean 6.247e+05
Std Dev 6.247e+05
pull1D
Entries 85
Mean 2.714e−06
Std Dev 0.3564

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 11.6 / 84
p0 0.1587 ± 0.04776
pull
Entries 85
Mean 116.5
Std Dev 178.5

pull1D
Entries 85
Mean −0.004883
Std Dev 0.3694

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.56 / 84
p0 −30.49 ± 1.161
pull
Entries 85
Mean −168.5
Std Dev 158

pull1D
Entries 85
Mean −0.002281
Std Dev 0.2046

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.54 / 84
p0 23.93 ± 0.7975
pull
Entries 85
Mean 138.2
Std Dev 122

pull1D
Entries 85
Mean −0.01042
Std Dev 0.3168

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.755 / 84
p0 –47.4 ± 1.072
pull
Entries 85
Mean –327.2
Std Dev 222.8

pull1D
Entries 85
Mean 0.0004892
Std Dev 0.2365

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.57 / 84
p0 86.27 ± 0.8412
pull
Entries 85
Mean 170.3
Std Dev 157

pull1D
Entries 85
Mean 0.007733
Std Dev 0.414

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.11 / 84
p0 −0.1636 ± 0.03851
pull
Entries 85
Mean 85.82
Std Dev 157.2

pull1D
Entries 85
Mean −0.006496
Std Dev 0.3615

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 64.48 / 84
p0 −11.62 ± 0.3343
pull
Entries 85
Mean −80.09
Std Dev 134.2

pull1D
Entries 85
Mean −0.01837
Std Dev 0.8708

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 11.93 / 84
p0 −27.97 ± 0.2303
pull
Entries 85
Mean −660.8
Std Dev 688.1

pull1D
Entries 85
Mean −0.005503
Std Dev 0.3746

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.4 / 84
p0 −12.44 ± 0.3088
pull
Entries 85
Mean −38.73
Std Dev 101.7
pull1D
Entries 85
Mean 0.01698
Std Dev 0.8566

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.72 / 84
p0 −10.22 ± 0.2426
pull
Entries 85
Mean −521
Std Dev 546.2

pull1D
Entries 85
Mean 0.007596
Std Dev 0.4434

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 28.47 / 84
p0 0.08898 ± 0.01109
pull
Entries 85
Mean −132.8
Std Dev 50.03

pull1D
Entries 85
Mean 0.005277
Std Dev 0.5787

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 11.79 / 84
p0 2.327 ± 0.3821
pull
Entries 85
Mean −197.7
Std Dev 231.7

pull1D
Entries 85
Mean 0.008384
Std Dev 0.3723

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.55 / 84
p0 34.07 ± 0.3529
pull
Entries 85
Mean −182.9
Std Dev 208.2

pull1D
Entries 85
Mean −0.00324
Std Dev 0.4138

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.176 / 84
p0 22.83 ± 0.2763
pull
Entries 85
Mean −147.6
Std Dev 175.2

pull1D
Entries 85
Mean −0.01178
Std Dev 0.2465

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.046 / 84
p0 −0.1191± 0.01268
pull
Entries 85
Mean −82.38
Std Dev 89.55

pull1D
Entries 85
Mean −0.002961
Std Dev 0.1893

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 7.32 / 84
p0 −27.7 ± 1.055
pull
Entries 85
Mean −19.57
Std Dev 27.1

pull1D
Entries 85
Mean −0.006006
Std Dev 0.2934

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.124 / 84
p0 −2.18 ± 0.7234
pull
Entries 85
Mean −44.19
Std Dev 80.54

pull1D
Entries 85
Mean −0.02187
Std Dev 0.2192

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 8.293 / 84
p0 −77.76 ± 0.9745
pull
Entries 85
Mean 28.17
Std Dev 46.2
pull1D
Entries 85
Mean 0.003984
Std Dev 0.3123

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.959 / 84
p0 −16.51 ± 0.7632
pull
Entries 85
Mean −73.52
Std Dev 110.3
pull1D
Entries 85
Mean 0.01665
Std Dev 0.2152

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.556 / 84
p0 0.2242 ± 0.03501
pull
Entries 85
Mean 652.3
Std Dev 646.3
pull1D
Entries 85
Mean −0.000664
Std Dev 0.2045

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.789 / 84
p0 5.189 ± 0.5926
pull
Entries 85
Mean −467.8
Std Dev 552.5

pull1D
Entries 85
Mean −0.001069
Std Dev 0.2826

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.76 / 84
p0 11.79 ± 0.4072
pull
Entries 85
Mean −854.2
Std Dev 874.2

pull1D
Entries 85
Mean −0.002564
Std Dev 0.4697

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.225 / 84
p0 16.82 ± 0.5472
pull
Entries 85
Mean 5094
Std Dev 5118

pull1D
Entries 85
Mean 0.0001067
Std Dev 0.2915

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.24 / 84
p0 −86.9 ± 0.4296
pull
Entries 85
Mean 118.5
Std Dev 135.4
pull1D
Entries 85
Mean −0.008047
Std Dev 0.688

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 24.64 / 84
p0 0.2127 ± 0.01965
pull
Entries 85
Mean 45.47
Std Dev 156.6
pull1D
Entries 85
Mean 0.01062
Std Dev 0.5383

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 7.803 / 84
p0 −11.13 ± 0.853
pull
Entries 85
Mean −33.5
Std Dev 52.52

pull1D
Entries 85
Mean −0.005168
Std Dev 0.3029

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.571 / 84
p0 −8.618 ± 0.5856
pull
Entries 85
Mean −328.4
Std Dev 351.7

pull1D
Entries 85
Mean 0.005154
Std Dev 0.2984

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9.188 / 84
p0 –43.95 ± 0.7877
pull
Entries 85
Mean 27.98
Std Dev 115.2

pull1D
Entries 85
Mean 0.003149
Std Dev 0.3288

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 12.78 / 84
p0 91.51 ± 0.6178
pull
Entries 85
Mean −764
Std Dev 790.1

pull1D
Entries 85
Mean −0.003393
Std Dev 0.3878

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 14.39 / 84
p0 0.1784 ± 0.0283
pull
Entries 85
Mean 102.9
Std Dev 164.8

pull1D
Entries 85
Mean −0.006631
Std Dev 0.4114

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 9.29 / 84
p0 −13.47 ± 1.078
pull
Entries 85
Mean −130.4
Std Dev 149.1

pull1D
Entries 85
Mean −0.006008
Std Dev 0.3305

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.307 / 84
p0 −7.309 ± 0.7386
pull
Entries 85
Mean −1680
Std Dev 1704
pull1D
Entries 85
Mean 0.0006671
Std Dev 0.1973

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 11.78 / 84
p0 −78 ± 0.9952
pull
Entries 85
Mean −88.79
Std Dev 22.77

pull1D
Entries 85
Mean 0.002321
Std Dev 0.3722

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.93 / 84
p0 68.7 ± 0.7795
pull
Entries 85
Mean 2497
Std Dev 2472

pull1D
Entries 85
Mean 0.0005468
Std Dev 0.2641

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 8.491 / 84
p0 0.2968 ± 0.03575
pull
Entries 85
Mean 197.2
Std Dev 162.5
pull1D
Entries 85
Mean −0.00304
Std Dev 0.316

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 39.17 / 84
p0 −5.954 ± 0.3505
pull
Entries 85
Mean −123.7
Std Dev 160.3

pull1D
Entries 85
Mean −0.01179
Std Dev 0.6787

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.164 / 84
p0 3.179 ± 0.2399
pull
Entries 85
Mean −85.59
Std Dev 128.6

pull1D
Entries 85
Mean 0.006069
Std Dev 0.2692

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 49.08 / 84
p0 −27.1 ± 0.3237
pull
Entries 85
Mean 519.1
Std Dev 494.3

pull1D
Entries 85
Mean 0.001395
Std Dev 0.7599

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 22.61 / 84
p0 4.614 ± 0.2532
pull
Entries 85
Mean −219.3
Std Dev 257.9

pull1D
Entries 85
Mean −0.02151
Std Dev 0.5153

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 7.44 / 84
p0 0.3921± 0.01163
pull
Entries 85
Mean 400.1
Std Dev 323.8
pull1D
Entries 85
Mean −0.002567
Std Dev 0.2958

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 23.23 / 84
p0 −8.284 ± 0.7037
pull
Entries 85
Mean −160.7
Std Dev 196.1

pull1D
Entries 85
Mean −0.01019
Std Dev 0.5226

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.76 / 84
p0 4.507 ± 0.4815
pull
Entries 85
Mean 12.65
Std Dev 62.85

pull1D
Entries 85
Mean −0.004099
Std Dev 0.1438

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.2 / 84
p0 −61.16 ± 0.6498
pull
Entries 85
Mean −2.256
Std Dev 40.96
pull1D
Entries 85
Mean 0.001608
Std Dev 0.5861

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.879 / 84
p0 −18.22 ± 0.5083
pull
Entries 85
Mean −398.3
Std Dev 445.1

pull1D
Entries 85
Mean −0.003611
Std Dev 0.2396

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.591 / 84
p0 0.5112 ± 0.02334
pull
Entries 85
Mean −1552
Std Dev 1608

pull1D
Entries 85
Mean 0.000413
Std Dev 0.1746

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.114 / 84
p0 8.559 ± 0.609
pull
Entries 85
Mean −180.7
Std Dev 149.2

pull1D
Entries 85
Mean 0.001973
Std Dev 0.22

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.067 / 84
p0 6.971 ± 0.4175
pull
Entries 85
Mean 609.9
Std Dev 593

pull1D
Entries 85
Mean 0.001437
Std Dev 0.2187

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 5.732 / 84
p0 44.11 ± 0.5624
pull
Entries 85
Mean 323.1
Std Dev 439.3

pull1D
Entries 85
Mean 0.0004877
Std Dev 0.2597

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.215 / 84
p0 −38.87 ± 0.4406
pull
Entries 85
Mean 77.19
Std Dev 101.2

pull1D
Entries 85
Mean −0.004794
Std Dev 0.3292

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.885 / 84
p0 0.0196 ± 0.02021
pull
Entries 85
Mean 148
Std Dev 204.7

pull1D
Entries 85
Mean 0.002737
Std Dev 0.3046

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.858 / 84
p0 6.212 ± 0.4237
pull
Entries 85
Mean −459.6
Std Dev 522.2

pull1D
Entries 85
Mean −0.002342
Std Dev 0.3228

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 13.91 / 84
p0 8.275 ± 0.2913
pull
Entries 85
Mean −329.3
Std Dev 349.1

pull1D
Entries 85
Mean −0.005653
Std Dev 0.4045

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.19 / 84
p0 10.05 ± 0.3912
pull
Entries 85
Mean −174.3
Std Dev 276.2

pull1D
Entries 85
Mean 0.002003
Std Dev 0.3104

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.21 / 84
p0 −61.68 ± 0.3072
pull
Entries 85
Mean −3906
Std Dev 3923

pull1D
Entries 85
Mean 0.0005944
Std Dev 0.5553

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.53 / 84
p0 0.1375 ± 0.01405
pull
Entries 85
Mean 45.62
Std Dev 142.8
pull1D
Entries 85
Mean 0.01136
Std Dev 0.4792

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 11.94 / 84
p0 3.351 ± 0.4001
pull
Entries 85
Mean −162.3
Std Dev 200

pull1D
Entries 85
Mean 0.007138
Std Dev 0.3748

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.43 / 84
p0 48.07 ± 0.2895
pull
Entries 85
Mean −535.4
Std Dev 484.8

pull1D
Entries 85
Mean −0.0008595
Std Dev 0.5361

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.81 / 84
p0 −0.1936 ± 0.01327
pull
Entries 85
Mean 11.13
Std Dev 128.6
pull1D
Entries 85
Mean −0.009269
Std Dev 0.3726

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 14.4 / 84
p0 1.027 ± 0.1725
pull
Entries 85
Mean −297.9
Std Dev 316.8

pull1D
Entries 85
Mean −0.002975
Std Dev 0.4115

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.07 / 84
p0 −3.509 ± 0.1184
pull
Entries 85
Mean 438.7
Std Dev 417.9
pull1D
Entries 85
Mean −0.006899
Std Dev 0.7118

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.46 / 84
p0 −6.773 ± 0.1593
pull
Entries 85
Mean −408.5
Std Dev 432.6
pull1D
Entries 85
Mean 0.006423
Std Dev 0.4659

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 49.97 / 84
p0 −0.07524 ± 0.005719
pull
Entries 85
Mean 47.1
Std Dev 201.8

pull1D
Entries 85
Mean −0.007978
Std Dev 0.7667

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 25.61 / 84
p0 −4.915 ± 0.4703
pull
Entries 85
Mean −119.3
Std Dev 151.8

pull1D
Entries 85
Mean −0.0112
Std Dev 0.5488

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.308 / 84
p0 −0.3394 ± 0.3223
pull
Entries 85
Mean −394.3
Std Dev 422.1
pull1D
Entries 85
Mean 0.003611
Std Dev 0.1972

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.28 / 84
p0 −33.89 ± 0.4343
pull
Entries 85
Mean −48.58
Std Dev 66.88

pull1D
Entries 85
Mean 0.005767
Std Dev 0.5869

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.072 / 84
p0 29.84 ± 0.3401
pull
Entries 85
Mean −478
Std Dev 511.2

pull1D
Entries 85
Mean −0.005487
Std Dev 0.2442

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 10.29 / 84
p0 0.3164 ± 0.0156
pull
Entries 85
Mean 245.3
Std Dev 75.15
pull1D
Entries 85
Mean −0.003475
Std Dev 0.348

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 10.32 / 84
p0 −14.51 ± 0.9513
pull
Entries 85
Mean −129.2
Std Dev 148.5
pull1D
Entries 85
Mean −0.005834
Std Dev 0.3484

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.395 / 84
p0 −3.788 ± 0.6518
pull
Entries 85
Mean −744.3
Std Dev 770.2
pull1D
Entries 85
Mean 0.001025
Std Dev 0.1281

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.04 / 84
p0 −71.22 ± 0.8785
pull
Entries 85
Mean 180.3
Std Dev 55.36
pull1D
Entries 85
Mean 0.001248
Std Dev 0.4064

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.476 / 84
p0 43.46 ± 0.6879
pull
Entries 85
Mean −584.7
Std Dev 617.4

pull1D
Entries 85
Mean −0.003498
Std Dev 0.1706

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.308 / 84
p0 0.3725 ± 0.03156
pull
Entries 85
Mean 240.6
Std Dev 60.58

pull1D
Entries 85
Mean −0.002669
Std Dev 0.2499

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 5.489 / 84
p0 4.796 ± 0.2463
pull
Entries 85
Mean −238.5
Std Dev 101
pull1D
Entries 85
Mean 0.0007325
Std Dev 0.2541

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.99 / 84
p0 −0.02802 ± 0.008172
pull
Entries 85
Mean 237.5
Std Dev 36.83

pull1D
Entries 85
Mean 0.001796
Std Dev 0.1875

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 14.28 / 84
p0 −9.712 ± 0.7088
pull
Entries 85
Mean −124.3
Std Dev 150
pull1D
Entries 85
Mean −0.007632
Std Dev 0.4098

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.05 / 84
p0 −52.56 ± 0.6546
pull
Entries 85
Mean 20.98
Std Dev 94.71
pull1D
Entries 85
Mean 0.002732
Std Dev 0.4608

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.17 / 84
p0 36.65 ± 0.5126
pull
Entries 85
Mean −532.9
Std Dev 565.8

pull1D
Entries 85
Mean −0.004205
Std Dev 0.1931

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 6.686 / 84
p0 0.3444 ± 0.02352
pull
Entries 85
Mean 242.7
Std Dev 66.53

pull1D
Entries 85
Mean −0.00294
Std Dev 0.2804

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 74.73 / 84
p0 −29.92 ± 3.029
pull
Entries 85
Mean 154
Std Dev 67.34
pull1D
Entries 85
Mean 0.01032
Std Dev 0.9376

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 87.58 / 84
p0 12.92 ± 2.089
pull
Entries 85
Mean −1063
Std Dev 1121
pull1D
Entries 85
Mean 0.002678
Std Dev 1.015

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 77.65 / 84
p0 66.03 ± 2.796
pull
Entries 85
Mean 126.8
Std Dev 54.56

pull1D
Entries 85
Mean −0.009043
Std Dev 0.9558

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 94.14 / 84
p0 −23.55 ± 2.201
pull
Entries 85
Mean −1332
Std Dev 1391
pull1D
Entries 85
Mean −0.002803
Std Dev 1.052

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 250.6 / 84
p0 −21.21 ± 0.1004
pull
Entries 85
Mean −2988
Std Dev 3016

pull1D
Entries 85
Mean 0.004938
Std Dev 1.717

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 9.255 / 84
p0 −584.1 ± 11.31
pull
Entries 85
Mean 166.6
Std Dev 161.6

pull1D
Entries 85
Mean −0.003186
Std Dev 0.33

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 7.465 / 84
p0 −20.36 ± 7.769
pull
Entries 85
Mean 53.98
Std Dev 30.36
pull1D
Entries 85
Mean −0.003233
Std Dev 0.2963

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 9.88 / 84
p0 482.2 ± 10.44
pull
Entries 85
Mean 276.7
Std Dev 259

pull1D
Entries 85
Mean 0.004047
Std Dev 0.3409

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 7.606 / 84
p0 175.1 ± 8.194
pull
Entries 85
Mean 32.18
Std Dev 111.8

pull1D
Entries 85
Mean 0.001843
Std Dev 0.2991

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 35.94 / 84
p0 −297 ± 0.3756
pull
Entries 85
Mean 579.2
Std Dev 539.2

pull1D
Entries 85
Mean −0.007092
Std Dev 0.6502

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 102.6 / 84
p0 −49.58 ± 3.3
pull
Entries 85
Mean −6.998
Std Dev 13.44

pull1D
Entries 85
Mean 0.01788
Std Dev 1.099

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 55.37 / 84
p0 13.34 ± 2.277
pull
Entries 85
Mean 303.4
Std Dev 255

pull1D
Entries 85
Mean −0.01541
Std Dev 0.807

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 103.3 / 84
p0 −10.09 ± 3.048
pull
Entries 85
Mean −12.53
Std Dev 21.96

pull1D
Entries 85
Mean −0.01842
Std Dev 1.102

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 57.97 / 84
p0 −26.29 ± 2.398
pull
Entries 85
Mean 340
Std Dev 285.7

pull1D
Entries 85
Mean 0.01266
Std Dev 0.8257

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 214.2 / 84
p0 −15.8 ± 0.1095
pull
Entries 85
Mean −306.3
Std Dev 321.8

pull1D
Entries 85
Mean 0.01941
Std Dev 1.587

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 12.2 / 84
p0 −489.6 ± 9.893
pull
Entries 85
Mean 315.8
Std Dev 289.5

pull1D
Entries 85
Mean −0.003447
Std Dev 0.3788

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 7.324 / 84
p0 −21.19 ± 6.795
pull
Entries 85
Mean 120.3
Std Dev 120.8

pull1D
Entries 85
Mean 0.001653
Std Dev 0.2935

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 12.85 / 84
p0 563.3 ± 9.135
750
700
650
600
550
500
450
400
pull
Entries 85
Mean 389.1
Std Dev 364.2
1
0.5
0
−0.5
−1

pull1D
Entries 85
Mean 0.003672
Std Dev 0.3888
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 7.982 / 84
p0 157.9 ± 7.167
pull
Entries 85
Mean 562
Std Dev 489.1

pull1D
Entries 85
Mean −0.001411
Std Dev 0.3064

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 25.98 / 84
p0 −257.4 ± 0.3285
pull
Entries 85
Mean 771.9
Std Dev 700.3

pull1D
Entries 85
Mean −0.001217
Std Dev 0.5528

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.98 / 84
p0 −307 ± 6.245
pull
Entries 85
Mean 55.3
Std Dev 146.7

pull1D
Entries 85
Mean 0.002329
Std Dev 0.3908

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.67 / 84
p0 −4.165 ± 4.288
pull
Entries 85
Mean −129.4
Std Dev 189.4
pull1D
Entries 85
Mean 0.00255
Std Dev 0.3705

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.74 / 84
p0 274.1 ± 5.765
pull
Entries 85
Mean −408.6
Std Dev 386.6

pull1D
Entries 85
Mean −0.001233
Std Dev 0.4164

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.8 / 84
p0 76.24 ± 4.525
pull
Entries 85
Mean −183
Std Dev 229.8

pull1D
Entries 85
Mean −0.002814
Std Dev 0.3725

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 66.89 / 84
p0 −159.1 ± 0.2072
pull
Entries 85
Mean 919.6
Std Dev 885.5
pull1D
Entries 85
Mean −0.008054
Std Dev 0.887

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 14.69 / 84
p0 277.3 ± 5.586
pull
Entries 85
Mean 164
Std Dev 129.2

pull1D
Entries 85
Mean 0.007817
Std Dev 0.4156

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ2 / ndf 16.36 / 84
p0 16.43 ± 3.838
pull
Entries 85
Mean −53.15
Std Dev 119

pull1D
Entries 85
Mean 0.005306
Std Dev 0.4386

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.35 / 84
p0 −208.3 ± 5.157
pull
Entries 85
Mean 207.3
Std Dev 174.4

pull1D
Entries 85
Mean −0.008615
Std Dev 0.4108

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.39 / 84
p0 −99.14 ± 4.048
0
−50
−100
−150
−200
pull
Entries 85
Mean −266
Std Dev 340.1
1
0.5
0
−0.5
−1

pull1D
Entries 85
Mean −0.002754
Std Dev 0.4524
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 31.87 / 84
p0 137.8 ± 0.1853
144
142
140
138
136
134
132
pull
Entries 85
Mean 34.18
Std Dev 79.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.01596
Std Dev 0.6121
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 20.68 / 84
p0 −269.5 ± 5.429
pull
Entries 85
Mean −789
Std Dev 813.1

pull1D
Entries 85
Mean 0.001421
Std Dev 0.4933

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.918 / 84
p0 −3.889 ± 3.731
pull
Entries 85
Mean 360.8
Std Dev 326.1

pull1D
Entries 85
Mean −0.003537
Std Dev 0.3239

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.3 / 84
p0 276.5 ± 5.013
pull
Entries 85
Mean −1376
Std Dev 1399

pull1D
Entries 85
Mean −0.001077
Std Dev 0.5122

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.671 / 84
p0 65.72 ± 3.934
pull
Entries 85
Mean 188.7
Std Dev 159.6

pull1D
Entries 85
Mean 0.003315
Std Dev 0.3373

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 48.58 / 84
p0 −136.6 ± 0.1803
pull
Entries 85
Mean −1190
Std Dev 1222

pull1D
Entries 85
Mean 0.002348
Std Dev 0.756

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 21.66 / 84
p0 220.1 ± 4.993
pull
Entries 85
Mean 120
Std Dev 89.6

pull1D
Entries 85
Mean 0.007934
Std Dev 0.5048

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 16 / 84
p0 17.29 ± 3.431
pull
Entries 85
Mean 253.4
Std Dev 193.6

pull1D
Entries 85
Mean −0.006968
Std Dev 0.4338

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.27 / 84
p0 −286.8 ± 4.61
−200
−250
−300
−350
−400
pull
Entries 85
Mean 151.7
Std Dev 122.3
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.008189
Std Dev 0.5001
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 16.93 / 84
p0 −92.13 ± 3.618
pull
Entries 85
Mean 352.9
Std Dev 291.9

pull1D
Entries 85
Mean 0.006377
Std Dev 0.4462

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 39.46 / 84
p0 120.8 ± 0.1658
pull
Entries 85
Mean −100.1
Std Dev 42.67

pull1D
Entries 85
Mean 0.008937
Std Dev 0.6812

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 80.83 / 84
p0 −39.47 ± 2.29
pull
Entries 85
Mean 41.22
Std Dev 72.6

pull1D
Entries 85
Mean 0.01596
Std Dev 0.975

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.71 / 84
p0 12.85 ± 1.579
pull
Entries 85
Mean 2682
Std Dev 2630
pull1D
Entries 85
Mean −0.001719
Std Dev 0.9375

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 81.77 / 84
p0 27.81 ± 2.115
pull
Entries 85
Mean 19.89
Std Dev 75.18

pull1D
Entries 85
Mean −0.01707
Std Dev 0.9806

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 75.73 / 84
p0 −24.62 ± 1.664
pull
Entries 85
Mean −6781
Std Dev 6838

pull1D
Entries 85
Mean −0.0007154
Std Dev 0.9439

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 366.6 / 84
p0 −18.49 ± 0.07592
pull
Entries 85
Mean −2463
Std Dev 2487

pull1D
Entries 85
Mean 0.00591
Std Dev 2.077

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 99.05 / 84
p0 9.67 ± 2.246
pull
Entries 85
Mean 4.682e+04
Std Dev 4.678e+04

pull1D
Entries 85
Mean 3.781e−05
Std Dev 1.08

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.51 / 84
p0 −0.105 ± 1.549
pull
Entries 85
Mean 180.9
Std Dev 154
pull1D
Entries 85
Mean 0.007035
Std Dev 0.8779

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 101.9 / 84
p0 38.12 ± 2.074
pull
Entries 85
Mean −566.7
Std Dev 613.3

pull1D
Entries 85
Mean 0.002693
Std Dev 1.095

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 72.51 / 84
p0 1.273 ± 1.633
pull
Entries 85
Mean 56.99
Std Dev 76.92
pull1D
Entries 85
Mean −0.004283
Std Dev 0.9236

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 90.39 / 84
p0 −2.726 ± 0.07443
pull
Entries 85
Mean 800.4
Std Dev 760.9

pull1D
Entries 85
Mean −0.006676
Std Dev 1.031

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.995 / 84
p0 −536.8 ± 10.35
pull
Entries 85
Mean 228.7
Std Dev 209.9

pull1D
Entries 85
Mean −0.003571
Std Dev 0.3067

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.763 / 84
p0 −20.77 ± 7.109
pull
Entries 85
Mean 1.598
Std Dev 139.2

pull1D
Entries 85
Mean −0.0009995
Std Dev 0.2367

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.698 / 84
p0 522.7 ± 9.558
pull
Entries 85
Mean 315.1
Std Dev 293.6

pull1D
Entries 85
Mean 0.004125
Std Dev 0.3199

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.252 / 84
p0 166.5 ± 7.498
pull
Entries 85
Mean −1020
Std Dev 1107

pull1D
Entries 85
Mean 0.0003396
Std Dev 0.2486

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 28.26 / 84
p0 −277.2 ± 0.3438
pull
Entries 85
Mean 630.6
Std Dev 585.4

pull1D
Entries 85
Mean −0.004248
Std Dev 0.5766

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 57.21 / 84
p0 47.12 ± 2.392
pull
Entries 85
Mean −262.8
Std Dev 312.7

pull1D
Entries 85
Mean 0.003389
Std Dev 0.8204

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.67 / 84
p0 −0.3229 ± 1.649
pull
Entries 85
Mean 79.45
Std Dev 82.32
pull1D
Entries 85
Mean 0.007659
Std Dev 0.8236

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.53 / 84
p0 40.65 ± 2.209
pull
Entries 85
Mean −44.41
Std Dev 109.8

pull1D
Entries 85
Mean −0.004697
Std Dev 0.8155

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.3 / 84
p0 −8.719 ± 1.737
pull
Entries 85
Mean 352.7
Std Dev 297.5
pull1D
Entries 85
Mean −0.004514
Std Dev 0.8065

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 95 / 84
p0 19.81 ± 0.07939
pull
Entries 85
Mean 576.2
Std Dev 543.9

pull1D
Entries 85
Mean 0.01347
Std Dev 1.057

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.18 / 84
p0 −259.8 ± 5.584
−150
−200
−250
−300
−350
pull
Entries 85
Mean −62.68
Std Dev 53.39
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 85
Mean 0.003629
Std Dev 0.4226
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.24 / 84
p0 −4.352 ± 3.835
pull
Entries 85
Mean −61.6
Std Dev 95.01
pull1D
Entries 85
Mean 0.004016
Std Dev 0.3947

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.91 / 84
p0 314.7 ± 5.156
400
350
300
250
200
pull
Entries 85
Mean −238.6
Std Dev 234.8
1
0.5
0
−0.5
−1

pull1D
Entries 85
Mean −0.002755
Std Dev 0.446
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.76 / 84
p0 67.35 ± 4.046
pull
Entries 85
Mean −12.79
Std Dev 25.03

pull1D
Entries 85
Mean −0.002565
Std Dev 0.4024

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 50.36 / 84
p0 −139.3 ± 0.1853
pull
Entries 85
Mean 8174
Std Dev 8139
pull1D
Entries 85
Mean −0.0005938
Std Dev 0.7697

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 20.84 / 84
p0 230.2 ± 4.876
350
300
250
200
150
pull
Entries 85
Mean 272.9
Std Dev 233.9
1
0.5
0
−0.5
−1

pull1D
Entries 85
Mean 0.006733
Std Dev 0.4951
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.21 / 84
p0 16.72 ± 3.351
pull
Entries 85
Mean −213
Std Dev 293.2
pull1D
Entries 85
Mean 0.002932
Std Dev 0.4628

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.69 / 84
p0 −248.9 ± 4.503
pull
Entries 85
Mean 286.8
Std Dev 250.6
pull1D
Entries 85
Mean −0.007327
Std Dev 0.4933

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.14 / 84
p0 −90.34 ± 3.534
pull
Entries 85
Mean −638.8
Std Dev 704.4
pull1D
Entries 85
Mean −0.002498
Std Dev 0.4868

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 40.04 / 84
p0 118 ± 0.1618
pull
Entries 85
Mean −309.9
Std Dev 324.4
pull1D
Entries 85
Mean 0.01004
Std Dev 0.6862

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 14.92 / 84
p0 −316.7 ± 6.151
pull
Entries 85
Mean −794.6
Std Dev 802.7

pull1D
Entries 85
Mean 0.000778
Std Dev 0.4189

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.46 / 84
p0 −3.482 ± 4.226
pull
Entries 85
Mean 194.5
Std Dev 147.7
pull1D
Entries 85
Mean −0.007387
Std Dev 0.3672

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.72 / 84
p0 235.9 ± 5.679
pull
Entries 85
Mean 1.508e+04
Std Dev 1.506e+04
pull1D
Entries 85
Mean 7.979e−05
Std Dev 0.43

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.66 / 84
p0 74.36 ± 4.457
pull
Entries 85
Mean 214.7
Std Dev 171.3

pull1D
Entries 85
Mean 0.005747
Std Dev 0.3703

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 61.32 / 84
p0 −156.4 ± 0.2042
pull
Entries 85
Mean 1416
Std Dev 1384
pull1D
Entries 85
Mean −0.003913
Std Dev 0.8494

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 18.37 / 84
p0 267.4 ± 5.622
pull
Entries 85
Mean 57.11
Std Dev 55.77

pull1D
Entries 85
Mean 0.007201
Std Dev 0.4649

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 11.05 / 84
p0 16.89 ± 3.863
pull
Entries 85
Mean 690.9
Std Dev 641.5

pull1D
Entries 85
Mean −0.001778
Std Dev 0.3606

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.88 / 84
p0 −246.3 ± 5.191
pull
Entries 85
Mean 119
Std Dev 98.45
pull1D
Entries 85
Mean −0.00809
Std Dev 0.4713

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.52 / 84
p0 −100.8 ± 4.074
pull
Entries 85
Mean 441.8
Std Dev 377.3

pull1D
Entries 85
Mean 0.002826
Std Dev 0.3681

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 36.09 / 84
p0 140.6 ± 0.1867
146
144
142
140
138
136
134
pull
Entries 85
Mean 190.1
Std Dev 123
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 85
Mean 0.01257
Std Dev 0.6515
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 12.38 / 84
p0 248.8 ± 5.015
350
300
250
200
150
pull
Entries 85
Mean 159.9
Std Dev 127.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 85
Mean 0.007234
Std Dev 0.3816
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.01 / 84
p0 16.71 ± 3.445
pull
Entries 85
Mean −354.9
Std Dev 416.3

pull1D
Entries 85
Mean 0.002393
Std Dev 0.3432

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.25 / 84
p0 −247.6 ± 4.631
pull
Entries 85
Mean 197.2
Std Dev 165.9

pull1D
Entries 85
Mean −0.008093
Std Dev 0.3795

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.92 / 84
p0 −95.47 ± 3.633
pull
Entries 85
Mean −900.2
Std Dev 965.4

pull1D
Entries 85
Mean −0.001487
Std Dev 0.3584

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 30.28 / 84
p0 129.3 ± 0.1665
134
132
130
128
126
pull
Entries 85
Mean −5.362
Std Dev 86.67
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 85
Mean 0.01429
Std Dev 0.5967
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 64.86 / 84
p0 28.35 ± 1.705
pull
Entries 85
Mean 129.5
Std Dev 82.55

pull1D
Entries 85
Mean 0.007012
Std Dev 0.8735

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.32 / 84
p0 −0.1641 ± 1.175
pull
Entries 85
Mean 192.4
Std Dev 138.7

pull1D
Entries 85
Mean 0.006044
Std Dev 0.8899

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.01 / 84
p0 39.42 ± 1.574
pull
Entries 85
Mean 219.7
Std Dev 179.6

pull1D
Entries 85
Mean −0.005401
Std Dev 0.8609

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.79 / 84
p0 −3.789 ± 1.238
pull
Entries 85
Mean 976.6
Std Dev 931.9

pull1D
Entries 85
Mean −0.001177
Std Dev 0.8996

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 10.61 / 84
p0 −288.1 ± 5.623
pull
Entries 85
Mean −483.9
Std Dev 478.3

pull1D
Entries 85
Mean 0.0009863
Std Dev 0.3534

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.757 / 84
p0 −4.07 ± 3.861
pull
Entries 85
Mean −1252
Std Dev 1294

pull1D
Entries 85
Mean 0.000584
Std Dev 0.282

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.1 / 84
p0 275.2 ± 5.191
pull
Entries 85
Mean −2731
Std Dev 2741

pull1D
Entries 85
Mean −0.0003649
Std Dev 0.3773

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.925 / 84
p0 71.03 ± 4.073
pull
Entries 85
Mean −588.1
Std Dev 626.6

pull1D
Entries 85
Mean −0.0008821
Std Dev 0.2854

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 54.42 / 84
p0 −147.8 ± 0.1867
pull
Entries 85
Mean 5600
Std Dev 5567

pull1D
Entries 85
Mean −0.0009566
Std Dev 0.8001

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 88.68 / 84
p0 −18.68 ± 1.606
pull
Entries 85
Mean −692
Std Dev 740.8

pull1D
Entries 85
Mean −0.002691
Std Dev 1.021

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.62 / 84
p0 5.242 ± 1.168
pull
Entries 85
Mean −26.59
Std Dev 91.03

pull1D
Entries 85
Mean −0.009817
Std Dev 0.8304

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 111.6 / 84
p0 −11.26 ± 0.05326
pull
Entries 85
Mean 512.4
Std Dev 477.5

pull1D
Entries 85
Mean −0.0185
Std Dev 1.146

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 4833 / 84
p0 −23.29 ± 0.2329
pull
Entries 85
Mean 71.17
Std Dev 31.93

pull1D
Entries 85
Mean 0.4634
Std Dev 2.606

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 126.4 / 84
p0 4.226 ± 0.1604
pull
Entries 85
Mean 4.544
Std Dev 48.28

pull1D
Entries 85
Mean 0.08838
Std Dev 1.216

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 193.3 / 84
p0 −5.099 ± 0.1689
pull
Entries 85
Mean 13.71
Std Dev 44.71
pull1D
Entries 85
Mean −0.1544
Std Dev 1.5

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 266.2 / 84
p0 0.1727 ± 0.007709
pull
Entries 85
Mean 58.44
Std Dev 23.3

pull1D
Entries 85
Mean 0.0557
Std Dev 1.199

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 4832 / 84
p0 −23.19 ± 0.2319
pull
Entries 85
Mean 71.19
Std Dev 31.99

pull1D
Entries 85
Mean 0.4662
Std Dev 2.605

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 126.2 / 84
p0 4.161 ± 0.1597
pull
Entries 85
Mean 2.694
Std Dev 47.12
pull1D
Entries 85
Mean 0.08618
Std Dev 1.215

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 4655 / 84
p0 20.92 ± 0.214
pull
Entries 85
Mean 69.79
Std Dev 32.84
pull1D
Entries 85
Mean −0.4649
Std Dev 2.488

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 192.8 / 84
p0 −5.031 ± 0.1682
pull
Entries 85
Mean 12.77
Std Dev 44.22

pull1D
Entries 85
Mean −0.1522
Std Dev 1.498

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 268.4 / 84
p0 0.1716 ± 0.007676
pull
Entries 85
Mean 58.24
Std Dev 24.22
pull1D
Entries 85
Mean 0.05627
Std Dev 1.208

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 4829 / 84
p0 −23.21 ± 0.2319
pull
Entries 85
Mean 70.68
Std Dev 32.48

pull1D
Entries 85
Mean 0.4663
Std Dev 2.597

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 125.8 / 84
p0 4.097 ± 0.1597
pull
Entries 85
Mean 5.02
Std Dev 47.2
pull1D
Entries 85
Mean 0.08965
Std Dev 1.213

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 4653 / 84
p0 20.91 ± 0.2141
pull
Entries 85
Mean 69.28
Std Dev 33.29

pull1D
Entries 85
Mean −0.4656
Std Dev 2.48

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 191.4 / 84
p0 −4.983 ± 0.1683
pull
Entries 85
Mean 13.15
Std Dev 43.7
pull1D
Entries 85
Mean −0.1552
Std Dev 1.493

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 269.6 / 84
p0 0.171± 0.007679
pull
Entries 85
Mean 59.11
Std Dev 23.93

pull1D
Entries 85
Mean 0.05602
Std Dev 1.211

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 4843 / 84
p0 −23.53 ± 0.235
pull
Entries 85
Mean 71.08
Std Dev 32.11

pull1D
Entries 85
Mean 0.5859
Std Dev 2.402

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 123 / 84
p0 4.187 ± 0.1618
pull
Entries 85
Mean 17.25
Std Dev 53.62
pull1D
Entries 85
Mean 0.09242
Std Dev 1.2

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 4667 / 84
p0 21.2 ± 0.2169
pull
Entries 85
Mean 69.64
Std Dev 32.96
pull1D
Entries 85
Mean −0.4737
Std Dev 2.467

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 189.4 / 84
p0 −5.095 ± 0.1705
pull
Entries 85
Mean 21.17
Std Dev 47.42
pull1D
Entries 85
Mean −0.1582
Std Dev 1.484

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 4823 / 84
p0 −23.94 ± 0.2409
pull
Entries 85
Mean 72.19
Std Dev 31.44

pull1D
Entries 85
Mean 0.4846
Std Dev 2.594

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 123.7 / 84
p0 4.374 ± 0.1659
pull
Entries 85
Mean 10.4
Std Dev 52.32
pull1D
Entries 85
Mean 0.08492
Std Dev 1.204

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 4647 / 84
p0 21.61 ± 0.2224
pull
Entries 85
Mean 70.77
Std Dev 32.35

pull1D
Entries 85
Mean −0.4827
Std Dev 2.478

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 189.1 / 84
p0 −5.281 ± 0.1747
pull
Entries 85
Mean 16.5
Std Dev 46.61
pull1D
Entries 85
Mean −0.1488
Std Dev 1.484

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 296.7 / 84
p0 0.183 ± 0.007974
pull
Entries 85
Mean 66.02
Std Dev 15.51

pull1D
Entries 85
Mean 0.05652
Std Dev 1.348