



BC-029

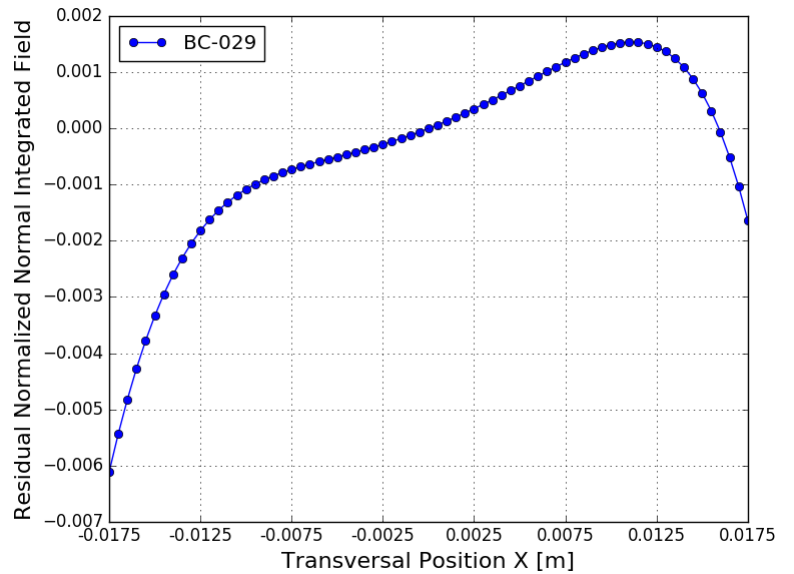
## BOOSTER MAGNET REPORT

### Results

Date	20/03/2015
Hour	16:09:12
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.006)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3958 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-9.0 ± 0.5) x E-1

### Electric Parameters

Indutance [mH]	3.081
Voltage [V]	0.691
Resistance [mΩ]	76.780
Main Coil Number of Turns	38.5



n	Normalized Normal Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(1.00000 ± 0.00004)	(-9.0 ± 0.2) x E-4
2 (quadrupole)	(2.2 ± 0.1) x E-3	(7.6 ± 0.4) x E-4
3 (sextupole)	(1.77 ± 0.10) x E-3	(9 ± 8) x E-5
4	(-2 ± 5) x E-5	(-5 ± 9) x E-5
5	(-2.19 ± 0.09) x E-3	(-3.2 ± 0.7) x E-4
6	(5.1 ± 0.7) x E-4	(2.3 ± 0.8) x E-4
7	(-4.03 ± 0.06) x E-3	(6 ± 1) x E-4
8	(-1.8 ± 0.6) x E-4	(7 ± 8) x E-5
9	(3 ± 9) x E-5	(2 ± 9) x E-5
10	(-3.4 ± 0.9) x E-4	(-8 ± 6) x E-5
11	(5.7 ± 0.8) x E-4	(1 ± 1) x E-4
12	(-1 ± 7) x E-5	(-1 ± 5) x E-5
13	(1 ± 8) x E-5	(8 ± 10) x E-5
14	(7 ± 9) x E-5	(1.1 ± 0.8) x E-4
15	(-3 ± 10) x E-5	(2 ± 1) x E-4

