



BC-006

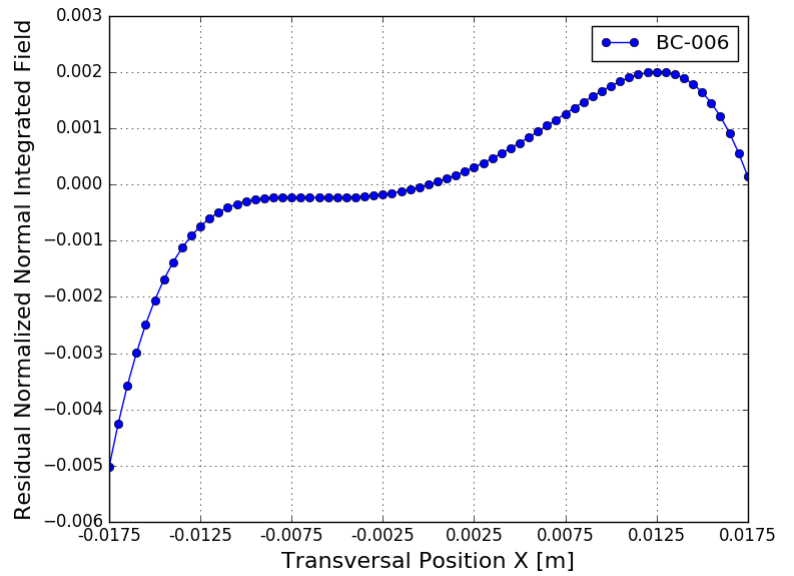
## BOOSTER MAGNET REPORT

### Results

Date	16/03/2015
Hour	16:56:43
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.980 ± 0.005)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3258 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.4 ± 0.1)

### Electric Parameters

Indutance [mH]	3.190
Voltage [V]	--
Resistance [mΩ]	69.780
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)	(-1.39 ± 0.04) x E-3
2 (quadrupole)	(1.70 ± 0.08) x E-3	(5.9 ± 0.5) x E-4
3 (sextupole)	(3.3 ± 0.1) x E-3	(-6 ± 8) x E-5
4	(7 ± 10) x E-5	(-1 ± 1) x E-4
5	(-2.01 ± 0.07) x E-3	(-4 ± 1) x E-4
6	(7 ± 1) x E-4	(2 ± 1) x E-4
7	(-4.1 ± 0.1) x E-3	(4 ± 2) x E-4
8	(1.2 ± 1.0) x E-4	(-1.1 ± 10.7) x E-5
9	(-1.8 ± 0.9) x E-4	(-7.8 ± 13.3) x E-5
10	(-6 ± 10) x E-5	(1.5 ± 10.8) x E-5
11	(5.8 ± 0.7) x E-4	(-1 ± 2) x E-4
12	(1.9 ± 10.8) x E-5	(3.5 ± 12.3) x E-5
13	(2 ± 8) x E-5	(-8 ± 9) x E-5
14	(5.9 ± 10.7) x E-5	(5.12 ± 105.01) x E-6
15	(-6 ± 9) x E-5	(-5.4 ± 13.9) x E-5

