



BC-001

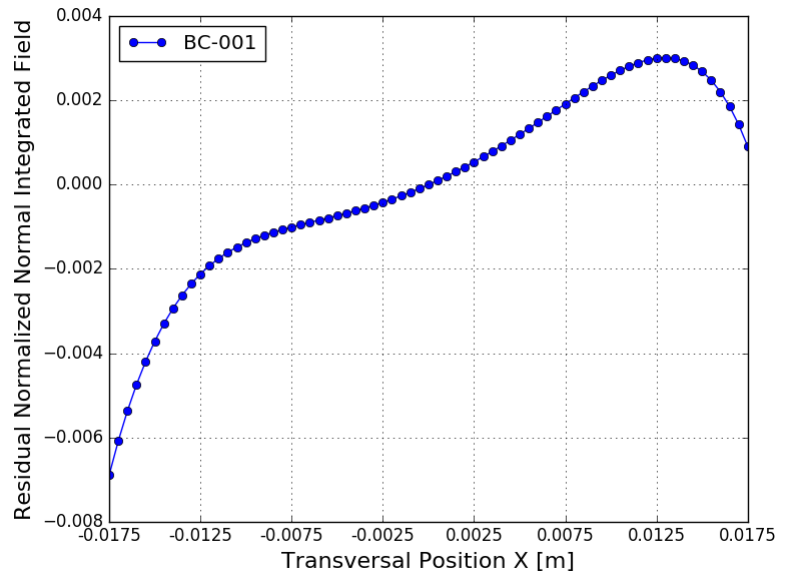
BOOSTER MAGNET REPORT

Results

Date	16/03/2015
Hour	10:08:07
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.9781 ± 0.0005)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3207 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.10 ± 0.04)

Electric Parameters

Indutance [mH]	3.180
Voltage [V]	--
Resistance [mΩ]	68.040
Main Coil Number of Turns	38.5



n	Normalized Normal Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(1.00000 ± 0.00006)	(-1.10 ± 0.01) x E-3
2 (quadrupole)	(3.35 ± 0.03) x E-3	(6 ± 5) x E-5
3 (sextupole)	(3.01 ± 0.03) x E-3	(1.6 ± 0.5) x E-4
4	(2.0 ± 0.5) x E-4	(-1.3 ± 0.4) x E-4
5	(-2.16 ± 0.04) x E-3	(-4.2 ± 0.3) x E-4
6	(6.1 ± 0.2) x E-4	(1.7 ± 0.3) x E-4
7	(-4.09 ± 0.04) x E-3	(3.7 ± 0.2) x E-4
8	(-1.1 ± 0.3) x E-4	(4 ± 4) x E-5
9	(-1.0 ± 0.3) x E-4	(-6 ± 4) x E-5
10	(-2.1 ± 0.2) x E-4	(1.45 ± 323.36) x E-7
11	(5.3 ± 0.4) x E-4	(4.8 ± 28.6) x E-6
12	(5 ± 2) x E-5	(5 ± 3) x E-5
13	(-8 ± 3) x E-5	(2 ± 3) x E-5
14	(7.9 ± 54.9) x E-6	(7 ± 6) x E-5
15	(-1.1 ± 0.4) x E-4	(-2.2 ± 50.5) x E-6

