



BC-003

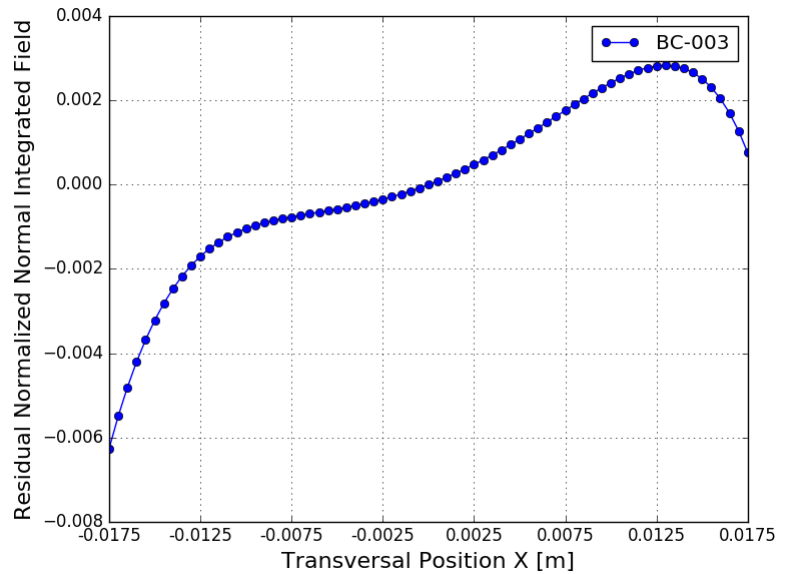
BOOSTER MAGNET REPORT

Results

Date	16/03/2015
Hour	14:17:40
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.002)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3260 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.61 ± 0.05)

Electric Parameters

Indutance [mH]	3.180
Voltage [V]	--
Resistance [mΩ]	68.920
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 ± 0.00004)	(-1.61 ± 0.02) x E-3
2 (quadrupole)	(2.88 ± 0.03) x E-3	(4.6 ± 0.6) x E-4
3 (sextupole)	(3.24 ± 0.06) x E-3	(-1.6 ± 0.6) x E-4
4	(2.7 ± 0.5) x E-4	(-1.4 ± 0.5) x E-4
5	(-2.13 ± 0.05) x E-3	(-4.6 ± 0.6) x E-4
6	(6.2 ± 0.7) x E-4	(1.1 ± 0.6) x E-4
7	(-4.14 ± 0.06) x E-3	(3.5 ± 0.7) x E-4
8	(-4 ± 6) x E-5	(-8 ± 6) x E-5
9	(-1.5 ± 0.8) x E-4	(-4 ± 7) x E-5
10	(-1.8 ± 0.7) x E-4	(-9 ± 7) x E-5
11	(5.2 ± 0.5) x E-4	(-9.5 ± 81.5) x E-6
12	(4 ± 7) x E-5	(-2 ± 8) x E-5
13	(-2 ± 6) x E-5	(-4 ± 9) x E-5
14	(-9 ± 8) x E-5	(-4 ± 9) x E-5
15	(-7 ± 5) x E-5	(9 ± 5) x E-5

