



BC-015

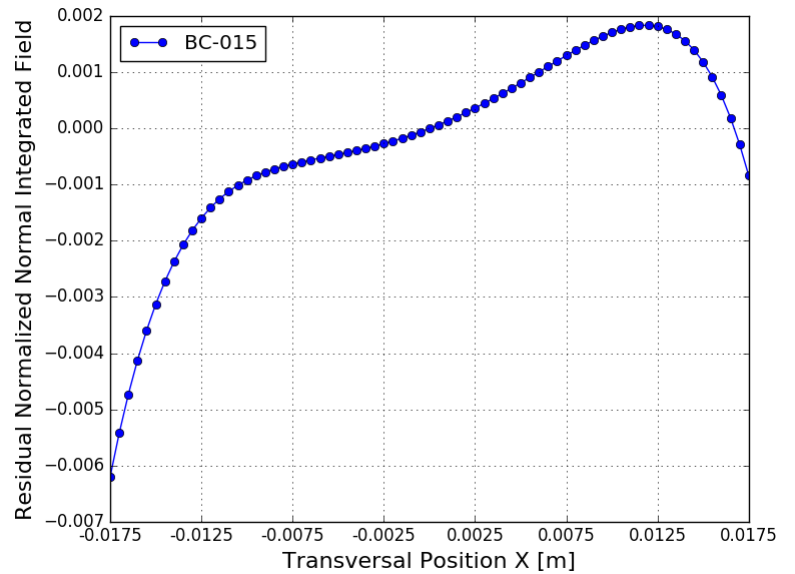
BOOSTER MAGNET REPORT

Results

Date	17/03/2015
Hour	16:24:27
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.002)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3852 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.02 ± 0.04)

Electric Parameters

Indutance [mH]	3.130
Voltage [V]	0.682
Resistance [mΩ]	75.822
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 ± 0.00005)	(-1.02 ± 0.01) x E-3
2 (quadrupole)	(2.22 ± 0.05) x E-3	(7.0 ± 0.5) x E-4
3 (sextupole)	(2.35 ± 0.04) x E-3	(2.1 ± 0.5) x E-4
4	(9 ± 4) x E-5	(-3 ± 4) x E-5
5	(-2.16 ± 0.04) x E-3	(-3.1 ± 0.4) x E-4
6	(5.7 ± 0.2) x E-4	(1.9 ± 0.3) x E-4
7	(-4.03 ± 0.03) x E-3	(3.3 ± 0.5) x E-4
8	(-10 ± 3) x E-5	(-2 ± 5) x E-5
9	(-1.3 ± 0.3) x E-4	(-1.0 ± 0.3) x E-4
10	(-1.7 ± 0.3) x E-4	(-9 ± 3) x E-5
11	(5.6 ± 0.4) x E-4	(-2 ± 2) x E-5
12	(6 ± 4) x E-5	(-8.55 ± 337.88) x E-7
13	(-5 ± 3) x E-5	(1 ± 3) x E-5
14	(2 ± 3) x E-5	(4 ± 4) x E-5
15	(-6 ± 3) x E-5	(-6 ± 5) x E-5

