



BC-016

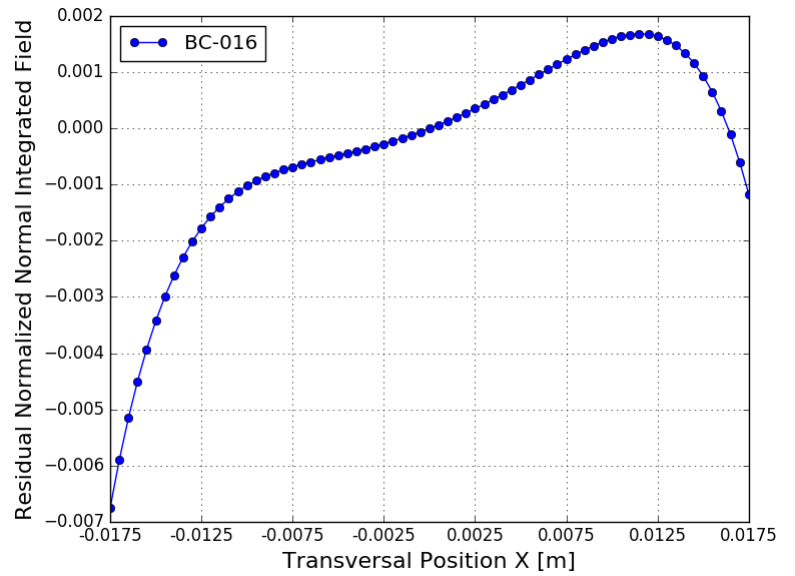
BOOSTER MAGNET REPORT

Results

Date	17/03/2015
Hour	17:00:52
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.978 ± 0.001)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3849 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.67 ± 0.05)

Electric Parameters

Inductance [mH]	3.177
Voltage [V]	0.708
Resistance [mΩ]	78.680
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)	(-1.67 ± 0.02) x E-3
2 (quadrupole)	(2.19 ± 0.03) x E-3	(1.2 ± 0.5) x E-4
3 (sextupole)	(2.03 ± 0.06) x E-3	(1.0 ± 0.4) x E-4
4	(1.5 ± 0.3) x E-4	(-2 ± 4) x E-5
5	(-2.20 ± 0.04) x E-3	(-2.7 ± 0.4) x E-4
6	(5.5 ± 0.5) x E-4	(2.0 ± 0.4) x E-4
7	(-4.04 ± 0.04) x E-3	(4.1 ± 0.4) x E-4
8	(-8 ± 4) x E-5	(6 ± 4) x E-5
9	(-1.7 ± 0.3) x E-4	(-4 ± 2) x E-5
10	(-1.2 ± 0.2) x E-4	(2.0 ± 36.4) x E-6
11	(5.5 ± 0.3) x E-4	(-5.0 ± 43.4) x E-6
12	(5 ± 3) x E-5	(-4.0 ± 31.9) x E-6
13	(-6 ± 3) x E-5	(-3 ± 3) x E-5
14	(6 ± 5) x E-5	(6 ± 3) x E-5
15	(-8 ± 3) x E-5	(-4.3 ± 40.6) x E-6

