



BC-055

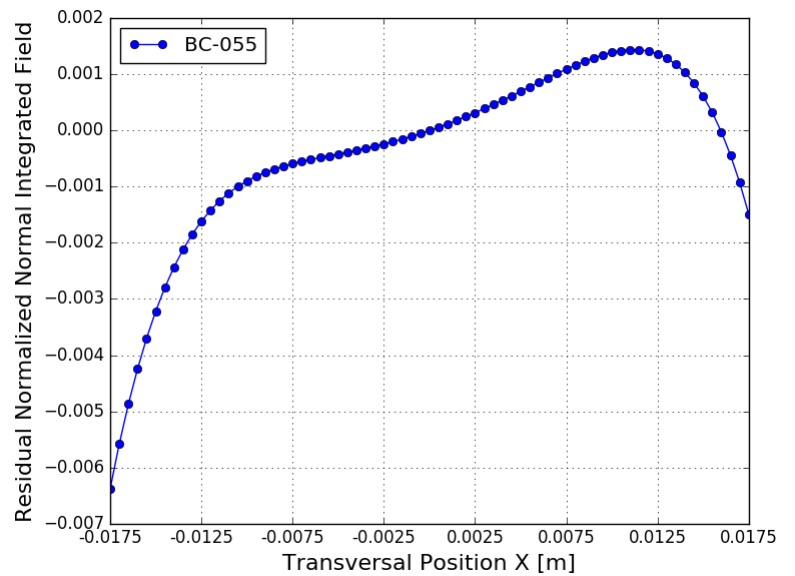
BOOSTER MAGNET REPORT

Results

Date	07/05/2015
Hour	15:25:13
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.9783 ± 0.0004)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3765 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-2.91 ± 0.05)

Electric Parameters

Inductance [mH]	3.181
Voltage [V]	0.680
Resistance [mΩ]	75.544
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 ± 0)	(-3 ± 0) x E-3
2 (quadrupole)	(2 ± 0) x E-3	(-2 ± 0) x E-4
3 (sextupole)	(2 ± 0) x E-3	(2 ± 0) x E-4
4	(-7 ± 0) x E-5	(-1 ± 0) x E-4
5	(-2 ± 0) x E-3	(-1 ± 0) x E-4
6	(7 ± 0) x E-4	(3 ± 0) x E-5
7	(-4 ± 0) x E-3	(-3 ± 0) x E-5
8	(-4 ± 0) x E-5	(5 ± 0) x E-5
9	(-6 ± 0) x E-6	(2 ± 0) x E-7
10	(-2 ± 0) x E-4	(-1 ± 0) x E-5
11	(5 ± 0) x E-4	(-4 ± 0) x E-5
12	(3 ± 0) x E-5	(3 ± 0) x E-5
13	(-5 ± 0) x E-5	(-3 ± 0) x E-5
14	(2 ± 0) x E-5	(-5 ± 0) x E-5
15	(-6 ± 0) x E-5	(-7 ± 0) x E-5

