



BC-011

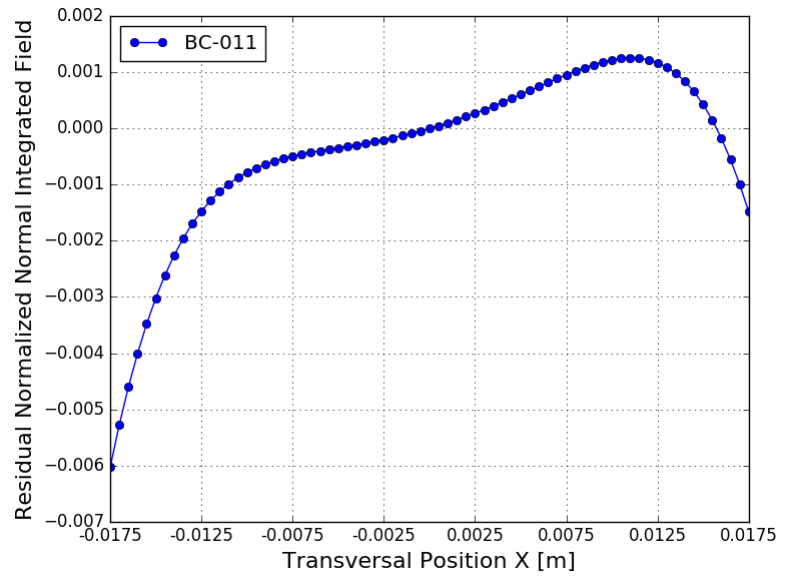
BOOSTER MAGNET REPORT

Results

Date	17/03/2015
Hour	12:47:14
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.002)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.4005 \pm 0.0002) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-4.9 \pm 0.4) \times E-1$

Electric Parameters

Indutance [mH]	3.102
Voltage [V]	0.735
Resistance [m Ω]	81.684
Main Coil Number of Turns	38.5



n	Normalized Normal Multipoles $x=17.5 \text{ mm}$ [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles $x=17.5 \text{ mm}$ [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(1.00000 ± 0.00006)	$(-4.9 \pm 0.1) \times E-4$
2 (quadrupole)	$(1.65 \pm 0.04) \times E-3$	$(6.3 \pm 0.6) \times E-4$
3 (sextupole)	$(1.78 \pm 0.03) \times E-3$	$(1.9 \pm 0.4) \times E-4$
4	$(1.3 \pm 0.4) \times E-4$	$(8.7 \pm 39.3) \times E-6$
5	$(-2.08 \pm 0.04) \times E-3$	$(-2.3 \pm 0.6) \times E-4$
6	$(6.1 \pm 0.3) \times E-4$	$(2.5 \pm 0.6) \times E-4$
7	$(-4.03 \pm 0.05) \times E-3$	$(3.9 \pm 0.6) \times E-4$
8	$(-9 \pm 4) \times E-5$	$(1.6 \pm 38.2) \times E-6$
9	$(1 \pm 7) \times E-5$	$(-3 \pm 5) \times E-5$
10	$(-1.7 \pm 0.4) \times E-4$	$(4 \pm 5) \times E-5$
11	$(5.5 \pm 0.5) \times E-4$	$(2 \pm 6) \times E-5$
12	$(1.3 \pm 59.1) \times E-6$	$(-1.5 \pm 0.7) \times E-4$
13	$(-3 \pm 7) \times E-5$	$(-5.3 \pm 62.4) \times E-6$
14	$(1.4 \pm 0.6) \times E-4$	$(-1 \pm 5) \times E-5$
15	$(5 \pm 7) \times E-5$	$(-4 \pm 5) \times E-5$

