



BC-004

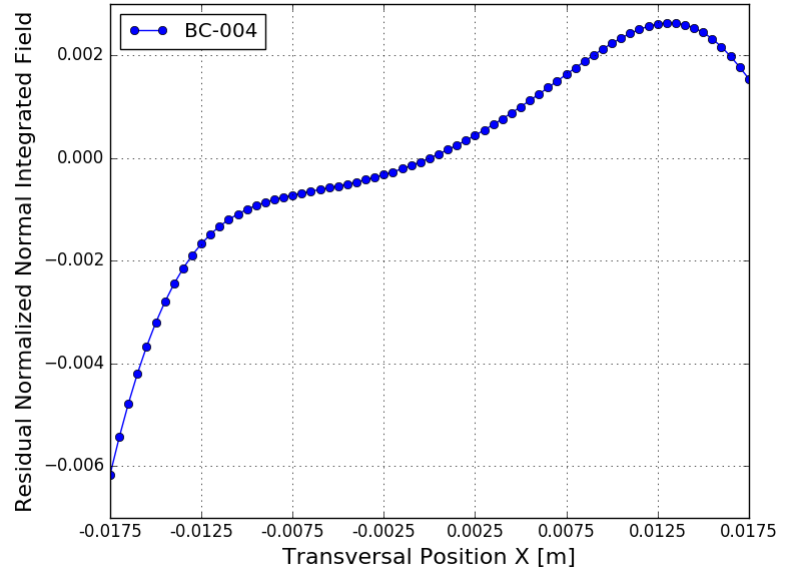
BOOSTER MAGNET REPORT

Results

Date	16/03/2015
Hour	15:06:56
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.006)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3183 \pm 0.0002) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-9.6 \pm 0.9) \times E-1$

Electric Parameters

Indutance [mH]	3.200
Voltage [V]	--
Resistance [m Ω]	68.360
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 ± 0.00005)	$(-9.6 \pm 0.3) \times E-4$
2 (quadrupole)	$(2.67 \pm 0.06) \times E-3$	$(1 \pm 1) \times E-4$
3 (sextupole)	$(2.99 \pm 0.06) \times E-3$	$(2 \pm 1) \times E-4$
4	$(2.0 \pm 0.8) \times E-4$	$(-2 \pm 1) \times E-4$
5	$(-2.0 \pm 0.1) \times E-3$	$(-2 \pm 1) \times E-4$
6	$(8.1 \pm 0.7) \times E-4$	$(2 \pm 1) \times E-4$
7	$(-4.1 \pm 0.1) \times E-3$	$(5.8 \pm 0.7) \times E-4$
8	$(5.7 \pm 11.7) \times E-5$	$(1 \pm 1) \times E-4$
9	$(-1 \pm 1) \times E-4$	$(-1.5 \pm 1.0) \times E-4$
10	$(-6 \pm 7) \times E-5$	$(8.1 \pm 11.1) \times E-5$
11	$(7 \pm 1) \times E-4$	$(-3 \pm 1) \times E-4$
12	$(1 \pm 2) \times E-4$	$(5.8 \pm 12.4) \times E-5$
13	$(2 \pm 1) \times E-4$	$(-1 \pm 1) \times E-4$
14	$(4 \pm 8) \times E-5$	$(-1 \pm 1) \times E-4$
15	$(1 \pm 1) \times E-4$	$(2.7 \pm 16.1) \times E-5$

