



BC-054

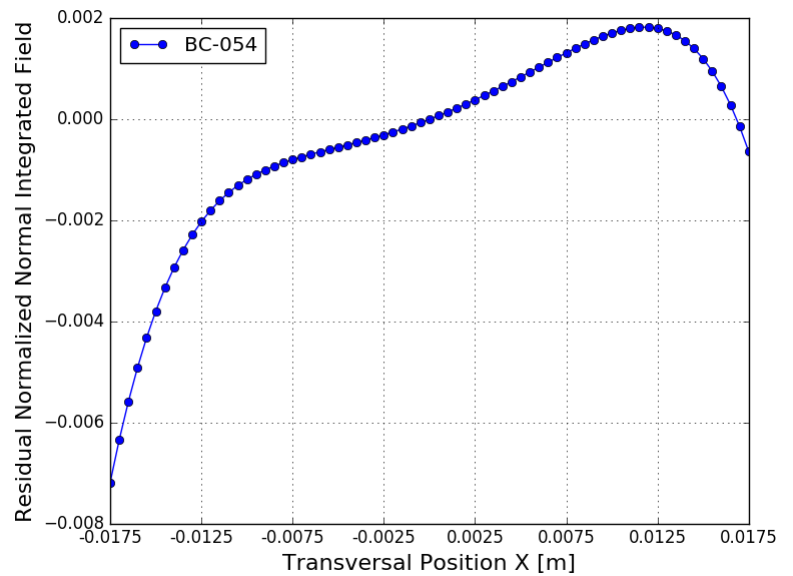
BOOSTER MAGNET REPORT

Results

Date	07/05/2015
Hour	14:25:58
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.9781 ± 0.0005)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3931 \pm 0.0002) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.08 ± 0.05)

Electric Parameters

Inductance [mH]	3.131
Voltage [V]	0.700
Resistance [m Ω]	77.748
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 ± 0)	$(-1 \pm 0) \times E-3$
2 (quadrupole)	$(2 \pm 0) \times E-3$	$(4 \pm 0) \times E-4$
3 (sextupole)	$(2 \pm 0) \times E-3$	$(4 \pm 0) \times E-4$
4	$(7 \pm 0) \times E-5$	$(-6 \pm 0) \times E-5$
5	$(-2 \pm 0) \times E-3$	$(-1 \pm 0) \times E-4$
6	$(9 \pm 0) \times E-4$	$(-5 \pm 0) \times E-5$
7	$(-4 \pm 0) \times E-3$	$(3 \pm 0) \times E-5$
8	$(-3 \pm 0) \times E-5$	$(6 \pm 0) \times E-7$
9	$(-4 \pm 0) \times E-6$	$(-1 \pm 0) \times E-5$
10	$(-1 \pm 0) \times E-4$	$(8 \pm 0) \times E-6$
11	$(5 \pm 0) \times E-4$	$(9 \pm 0) \times E-6$
12	$(6 \pm 0) \times E-5$	$(2 \pm 0) \times E-5$
13	$(-4 \pm 0) \times E-5$	$(2 \pm 0) \times E-5$
14	$(-8 \pm 0) \times E-7$	$(-6 \pm 0) \times E-5$
15	$(-3 \pm 0) \times E-6$	$(-10 \pm 0) \times E-5$

