



BC-065

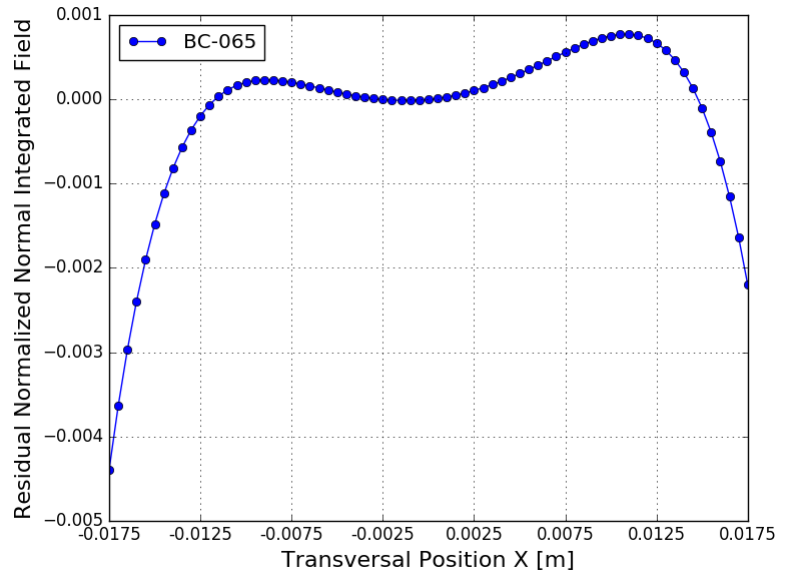
BOOSTER MAGNET REPORT

Results

Date	28/04/2016
Hour	08:54:11
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.9786 ± 0.0005)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.38270 \pm 0.00007) \times 10^{-3}$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-2.0 \pm 0.4) \times 10^{-1}$

Electric Parameters

Indutance [mH]	3.231
Voltage [V]	0.765
Resistance [m Ω]	76.540
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 ± 0.00002)	$(-2.0 \pm 0.1) \times 10^{-4}$
2 (quadrupole)	$(3.7 \pm 0.1) \times 10^{-4}$	$(-6.7 \pm 0.2) \times 10^{-4}$
3 (sextupole)	$(2.62 \pm 0.02) \times 10^{-3}$	$(2 \pm 2) \times 10^{-5}$
4	$(1.4 \pm 0.2) \times 10^{-4}$	$(3 \pm 2) \times 10^{-5}$
5	$(-2.20 \pm 0.01) \times 10^{-3}$	$(7 \pm 2) \times 10^{-5}$
6	$(6.8 \pm 0.1) \times 10^{-4}$	$(-3 \pm 2) \times 10^{-5}$
7	$(-4.07 \pm 0.01) \times 10^{-3}$	$(-4 \pm 1) \times 10^{-5}$
8	$(-4 \pm 2) \times 10^{-5}$	$(1 \pm 2) \times 10^{-5}$
9	$(2 \pm 2) \times 10^{-5}$	$(3.91 \pm 120.36) \times 10^{-7}$
10	$(-1.0 \pm 0.2) \times 10^{-4}$	$(-1 \pm 1) \times 10^{-5}$
11	$(4.8 \pm 0.2) \times 10^{-4}$	$(-4.8 \pm 24.0) \times 10^{-6}$
12	$(4 \pm 1) \times 10^{-5}$	$(2 \pm 2) \times 10^{-5}$
13	$(-8 \pm 2) \times 10^{-5}$	$(5.6 \pm 27.6) \times 10^{-6}$
14	$(2 \pm 5) \times 10^{-5}$	$(-2 \pm 5) \times 10^{-5}$
15	$(-6 \pm 3) \times 10^{-5}$	$(6.0 \pm 24.0) \times 10^{-6}$

