



BC-076

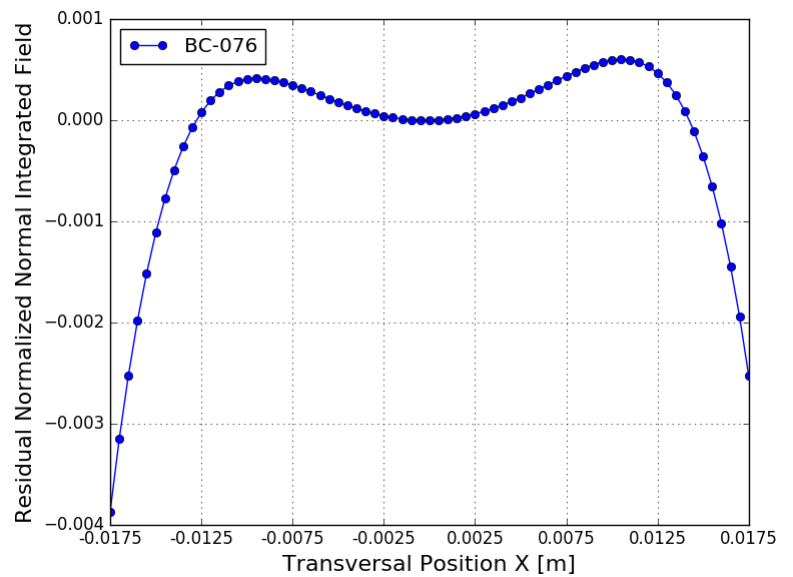
BOOSTER MAGNET REPORT

Results

Date	28/04/2016
Hour	10:24:32
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.9783 ± 0.0006)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.38302 \pm 0.00006) \times 10^{-3}$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-7.8 \pm 0.3) \times 10^{-1}$

Electric Parameters

Indutance [mH]	3.244
Voltage [V]	0.767
Resistance [m Ω]	76.720
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)	$(-7.8 \pm 0.1) \times 10^{-4}$
2 (quadrupole)	$(6 \pm 3) \times 10^{-5}$	$(-4.2 \pm 0.1) \times 10^{-4}$
3 (sextupole)	$(2.67 \pm 0.02) \times 10^{-3}$	$(-1 \pm 2) \times 10^{-5}$
4	$(1.1 \pm 0.3) \times 10^{-4}$	$(2.6 \pm 0.9) \times 10^{-5}$
5	$(-2.17 \pm 0.01) \times 10^{-3}$	$(3 \pm 2) \times 10^{-5}$
6	$(6.2 \pm 0.1) \times 10^{-4}$	$(7.7 \pm 11.6) \times 10^{-6}$
7	$(-4.08 \pm 0.01) \times 10^{-3}$	$(-7.9 \pm 17.4) \times 10^{-6}$
8	$(-8.3 \pm 12.5) \times 10^{-6}$	$(2 \pm 2) \times 10^{-5}$
9	$(1 \pm 1) \times 10^{-5}$	$(1.6 \pm 18.0) \times 10^{-6}$
10	$(-1.5 \pm 0.1) \times 10^{-4}$	$(-4.2 \pm 15.3) \times 10^{-6}$
11	$(4.9 \pm 0.1) \times 10^{-4}$	$(1 \pm 1) \times 10^{-5}$
12	$(2 \pm 2) \times 10^{-5}$	$(-1.1 \pm 20.3) \times 10^{-6}$
13	$(-6 \pm 2) \times 10^{-5}$	$(2 \pm 2) \times 10^{-5}$
14	$(1.9 \pm 36.2) \times 10^{-6}$	$(2 \pm 4) \times 10^{-5}$
15	$(-6 \pm 3) \times 10^{-5}$	$(-6.0 \pm 19.4) \times 10^{-6}$

