



BC-079

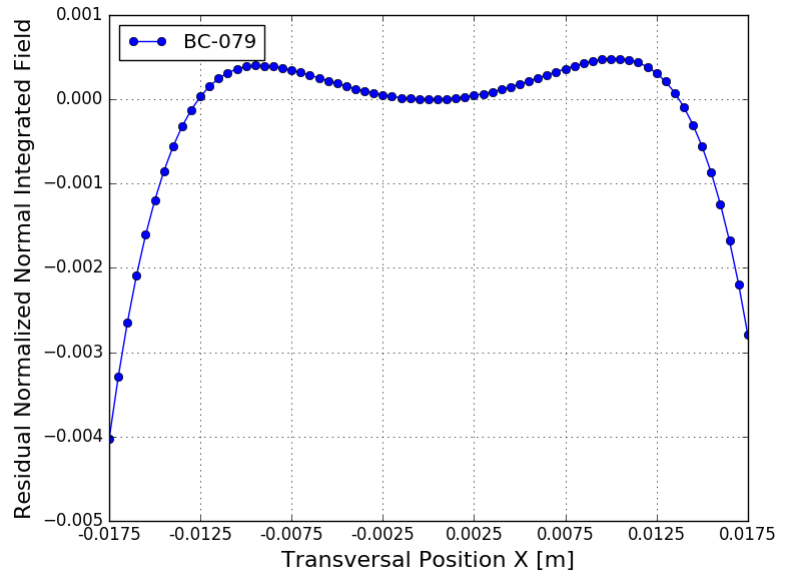
BOOSTER MAGNET REPORT

Results

Date	28/04/2016
Hour	16:13:43
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.9781 ± 0.0009)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.38648 \pm 0.00007) \times 10^{-3}$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-4.0 \pm 0.2) \times 10^{-1}$

Electric Parameters

Indutance [mH]	3.249
Voltage [V]	0.766
Resistance [m Ω]	76.630
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)	$(-3.99 \pm 0.08) \times 10^{-4}$
2 (quadrupole)	$(-3 \pm 2) \times 10^{-5}$	$(-4.7 \pm 0.2) \times 10^{-4}$
3 (sextupole)	$(2.47 \pm 0.02) \times 10^{-3}$	$(4 \pm 1) \times 10^{-5}$
4	$(1.5 \pm 0.2) \times 10^{-4}$	$(2 \pm 2) \times 10^{-5}$
5	$(-2.17 \pm 0.01) \times 10^{-3}$	$(5 \pm 3) \times 10^{-5}$
6	$(6.1 \pm 0.2) \times 10^{-4}$	$(-2 \pm 2) \times 10^{-5}$
7	$(-4.06 \pm 0.01) \times 10^{-3}$	$(-4 \pm 1) \times 10^{-5}$
8	$(-8.3 \pm 15.0) \times 10^{-6}$	$(1 \pm 2) \times 10^{-5}$
9	$(-2.7 \pm 19.6) \times 10^{-6}$	$(6.5 \pm 95.6) \times 10^{-7}$
10	$(-1.4 \pm 0.2) \times 10^{-4}$	$(-2 \pm 2) \times 10^{-5}$
11	$(4.8 \pm 0.2) \times 10^{-4}$	$(-3.3 \pm 18.9) \times 10^{-6}$
12	$(1.9 \pm 1.0) \times 10^{-5}$	$(-9.7 \pm 18.9) \times 10^{-6}$
13	$(-6 \pm 2) \times 10^{-5}$	$(2.7 \pm 12.1) \times 10^{-6}$
14	$(2 \pm 2) \times 10^{-5}$	$(-9.8 \pm 27.5) \times 10^{-6}$
15	$(-8 \pm 4) \times 10^{-5}$	$(3 \pm 5) \times 10^{-5}$

