



BC-008

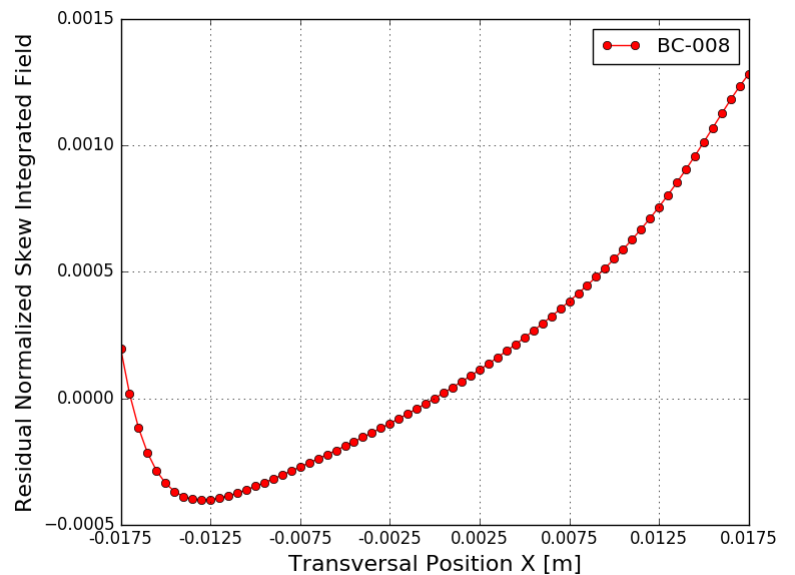
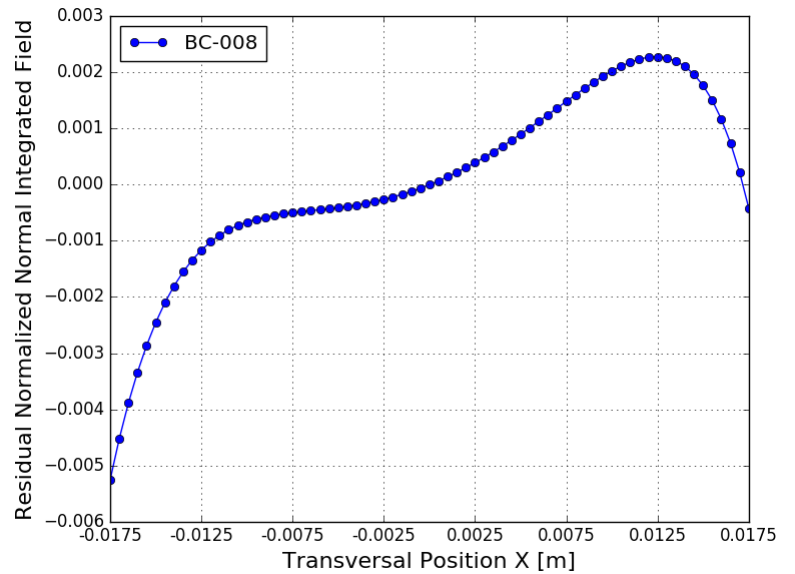
BOOSTER MAGNET REPORT

Results

Date	17/03/2015
Hour	09:30:25
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.980 ± 0.007)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3242 \pm 0.0002) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-5.7 \pm 0.9) \times E-1$

Electric Parameters

Indutance [mH]	3.180
Voltage [V]	--
Resistance [m Ω]	69.180
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 ± 0.00006)	$(-5.7 \pm 0.3) \times E-4$
2 (quadrupole)	$(2.28 \pm 0.08) \times E-3$	$(7.4 \pm 0.4) \times E-4$
3 (sextupole)	$(3.20 \pm 0.08) \times E-3$	$(3 \pm 1) \times E-4$
4	$(9.5 \pm 13.3) \times E-5$	$(1.0 \pm 0.4) \times E-4$
5	$(-2.1 \pm 0.1) \times E-3$	$(-1.6 \pm 0.8) \times E-4$
6	$(5 \pm 1) \times E-4$	$(2 \pm 1) \times E-4$
7	$(-3.9 \pm 0.1) \times E-3$	$(3 \pm 1) \times E-4$
8	$(-1.5 \pm 0.7) \times E-4$	$(-2 \pm 7) \times E-5$
9	$(-1 \pm 1) \times E-4$	$(1.2 \pm 0.6) \times E-4$
10	$(-3 \pm 1) \times E-4$	$(-3 \pm 1) \times E-4$
11	$(4 \pm 1) \times E-4$	$(5 \pm 7) \times E-5$
12	$(-3.9 \pm 15.5) \times E-5$	$(-6 \pm 9) \times E-5$
13	$(-1.0 \pm 0.5) \times E-4$	$(3.8 \pm 11.2) \times E-5$
14	$(3 \pm 10) \times E-5$	$(-1 \pm 1) \times E-4$
15	$(-2 \pm 1) \times E-4$	$(4 \pm 8) \times E-5$