



BC-029

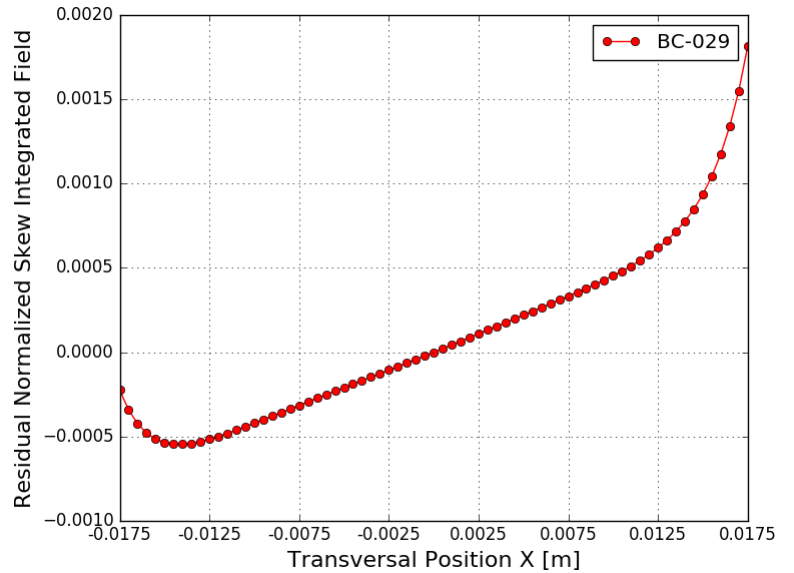
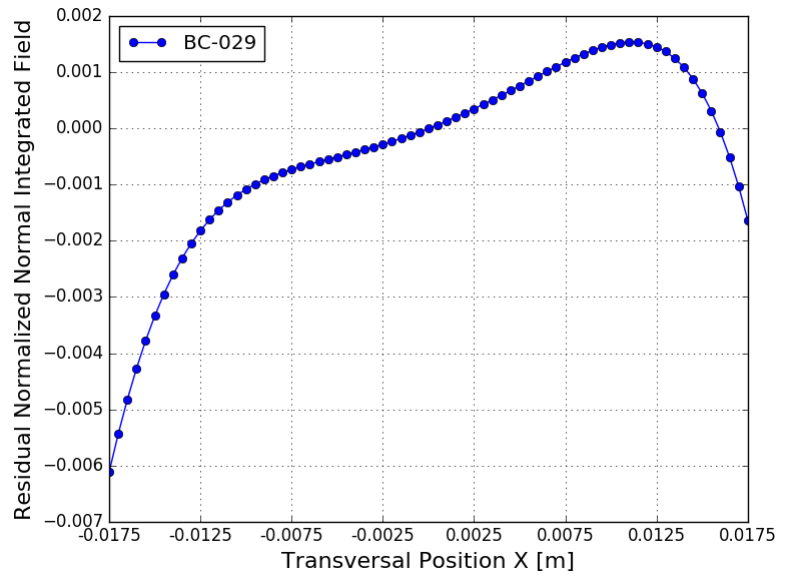
BOOSTER MAGNET REPORT

Results

Date	20/03/2015
Hour	16:09:12
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.006)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3958 \pm 0.0001) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-9.0 \pm 0.5) \times E-1$

Electric Parameters

Indutance [mH]	3.081
Voltage [V]	0.691
Resistance [m Ω]	76.780
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 ± 0.00004)	$(-9.0 \pm 0.2) \times E-4$
2 (quadrupole)	$(2.2 \pm 0.1) \times E-3$	$(7.6 \pm 0.4) \times E-4$
3 (sextupole)	$(1.77 \pm 0.10) \times E-3$	$(9 \pm 8) \times E-5$
4	$(-2 \pm 5) \times E-5$	$(-5 \pm 9) \times E-5$
5	$(-2.19 \pm 0.09) \times E-3$	$(-3.2 \pm 0.7) \times E-4$
6	$(5.1 \pm 0.7) \times E-4$	$(2.3 \pm 0.8) \times E-4$
7	$(-4.03 \pm 0.06) \times E-3$	$(6 \pm 1) \times E-4$
8	$(-1.8 \pm 0.6) \times E-4$	$(7 \pm 8) \times E-5$
9	$(3 \pm 9) \times E-5$	$(2 \pm 9) \times E-5$
10	$(-3.4 \pm 0.9) \times E-4$	$(-8 \pm 6) \times E-5$
11	$(5.7 \pm 0.8) \times E-4$	$(1 \pm 1) \times E-4$
12	$(-1 \pm 7) \times E-5$	$(-1 \pm 5) \times E-5$
13	$(1 \pm 8) \times E-5$	$(8 \pm 10) \times E-5$
14	$(7 \pm 9) \times E-5$	$(1.1 \pm 0.8) \times E-4$
15	$(-3 \pm 10) \times E-5$	$(2 \pm 1) \times E-4$