



BC-069

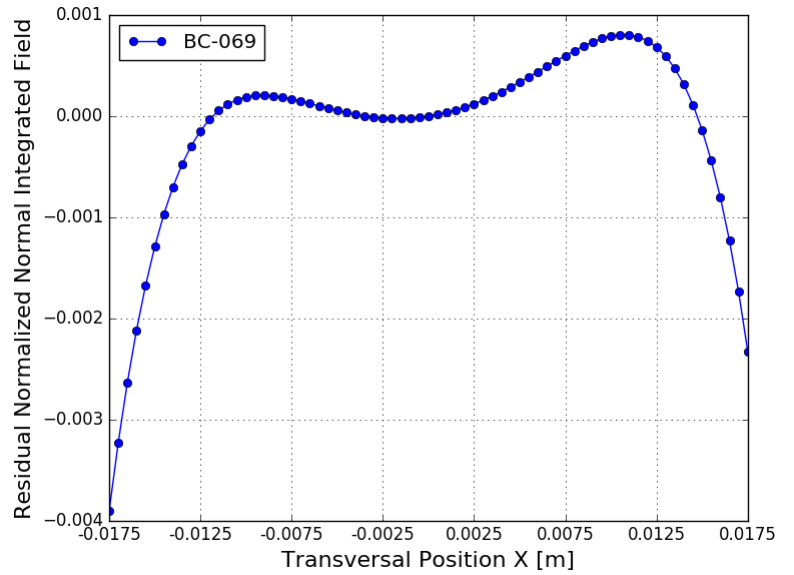
BOOSTER MAGNET REPORT

Results

Date	03/05/2016
Hour	11:03:30
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.979 ± 0.003)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.38296 ± 0.00007) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-5.5 ± 0.7) x E-1

Electric Parameters

Indutance [mH]	3.178
Voltage [V]	0.766
Resistance [mΩ]	76.580
Main Coil Number of Turns	38.5



n	Normalized Normal Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(1.00000 ± 0.00002)	(-5.5 ± 0.2) x E-4
2 (quadrupole)	(4.9 ± 0.4) x E-4	(-2.6 ± 0.3) x E-4
3 (sextupole)	(2.62 ± 0.04) x E-3	(9 ± 5) x E-5
4	(-4 ± 4) x E-5	(1 ± 6) x E-5
5	(-2.11 ± 0.03) x E-3	(5 ± 6) x E-5
6	(4.7 ± 0.8) x E-4	(-7 ± 9) x E-5
7	(-4.02 ± 0.08) x E-3	(-6.8 ± 57.4) x E-6
8	(-4.1 ± 12.9) x E-5	(-1.3 ± 10.3) x E-5
9	(7 ± 10) x E-5	(2.3 ± 0.8) x E-4
10	(-1 ± 1) x E-4	(2.4 ± 10.2) x E-5
11	(4.2 ± 0.9) x E-4	(3 ± 1) x E-4
12	(3.5 ± 11.5) x E-5	(2 ± 1) x E-4
13	(-7 ± 5) x E-5	(9 ± 7) x E-5
14	(-1.0 ± 11.9) x E-5	(4 ± 9) x E-5
15	(-2 ± 7) x E-5	(5 ± 7) x E-5

