



BC-068

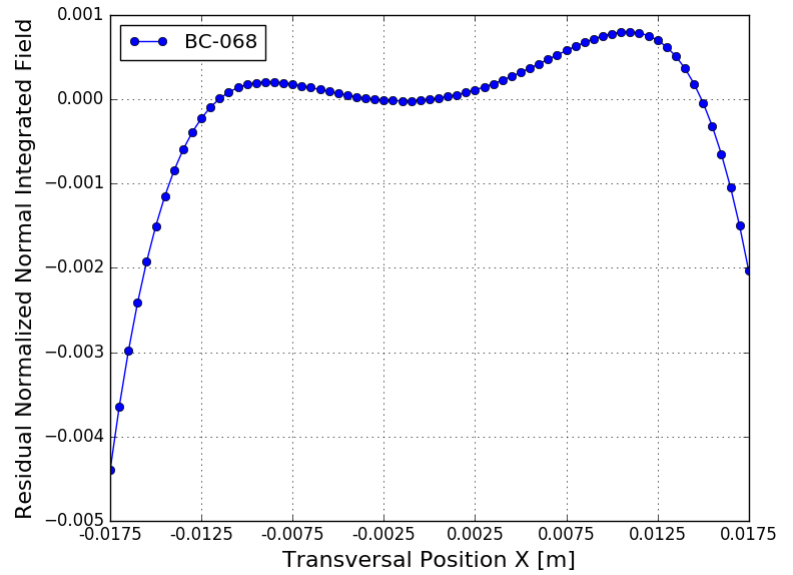
BOOSTER MAGNET REPORT

Results

Date	29/04/2016
Hour	15:51:16
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.980 ± 0.002)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.38086 ± 0.00010) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.09 ± 0.07)

Electric Parameters

Indutance [mH]	3.183
Voltage [V]	0.766
Resistance [mΩ]	76.600
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 ± 0.00003)	(-1.09 ± 0.02) x E-3
2 (quadrupole)	(4.3 ± 0.4) x E-4	(-5.7 ± 0.4) x E-4
3 (sextupole)	(2.61 ± 0.05) x E-3	(-5 ± 5) x E-5
4	(1.0 ± 0.7) x E-4	(5 ± 6) x E-5
5	(-2.18 ± 0.08) x E-3	(-1 ± 8) x E-5
6	(6.6 ± 0.8) x E-4	(2 ± 8) x E-5
7	(-4.10 ± 0.08) x E-3	(-9 ± 6) x E-5
8	(6 ± 3) x E-5	(-1.4 ± 0.7) x E-4
9	(7 ± 5) x E-5	(-7 ± 10) x E-5
10	(-1.1 ± 0.7) x E-4	(-9 ± 10) x E-5
11	(5.4 ± 0.8) x E-4	(-7 ± 9) x E-5
12	(1 ± 7) x E-5	(-5 ± 9) x E-5
13	(-9 ± 5) x E-5	(2 ± 8) x E-5
14	(4 ± 6) x E-5	(-2.8 ± 58.0) x E-6
15	(-6 ± 9) x E-5	(-1.4 ± 0.7) x E-4

