



BC-064

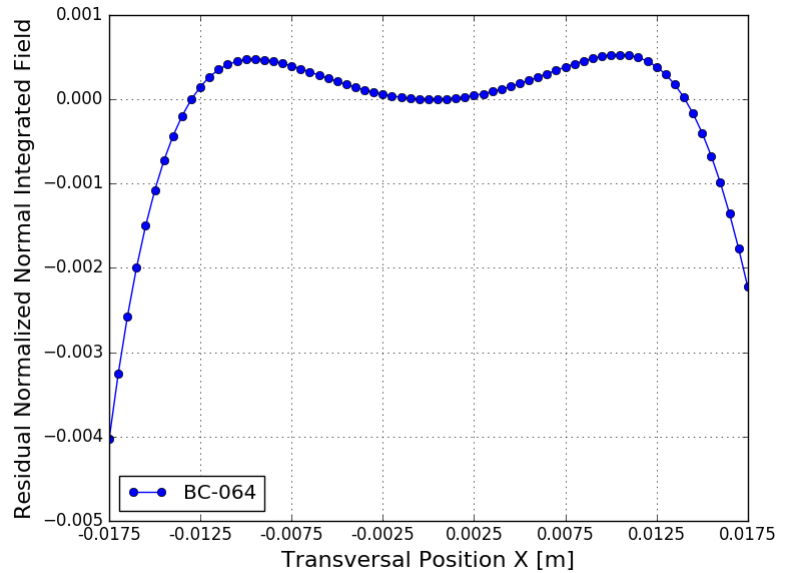
BOOSTER MAGNET REPORT

Results

Date	29/04/2016
Hour	14:28:16
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.979 ± 0.003)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.38626 ± 0.00005) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-4.9 ± 0.6) x E-1

Electric Parameters

Indutance [mH]	3.203
Voltage [V]	0.768
Resistance [mΩ]	76.780
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)	(-4.9 ± 0.2) x E-4
2 (quadrupole)	(-6 ± 3) x E-5	(-5.7 ± 0.4) x E-4
3 (sextupole)	(2.66 ± 0.05) x E-3	(-3 ± 5) x E-5
4	(1.1 ± 0.4) x E-4	(-1.1 ± 0.6) x E-4
5	(-2.14 ± 0.04) x E-3	(-6 ± 6) x E-5
6	(6.6 ± 0.3) x E-4	(-6 ± 6) x E-5
7	(-4.07 ± 0.07) x E-3	(-5 ± 3) x E-5
8	(-4 ± 6) x E-5	(1 ± 7) x E-5
9	(-7 ± 5) x E-5	(7 ± 5) x E-5
10	(-8 ± 5) x E-5	(-3 ± 9) x E-5
11	(4.3 ± 0.9) x E-4	(-2 ± 5) x E-5
12	(2.3 ± 0.9) x E-4	(6.7 ± 64.7) x E-6
13	(-4 ± 9) x E-5	(6.66 ± 803.81) x E-7
14	(10 ± 8) x E-5	(-6 ± 3) x E-5
15	(1.0 ± 0.8) x E-4	(1 ± 7) x E-5

