



BC-073

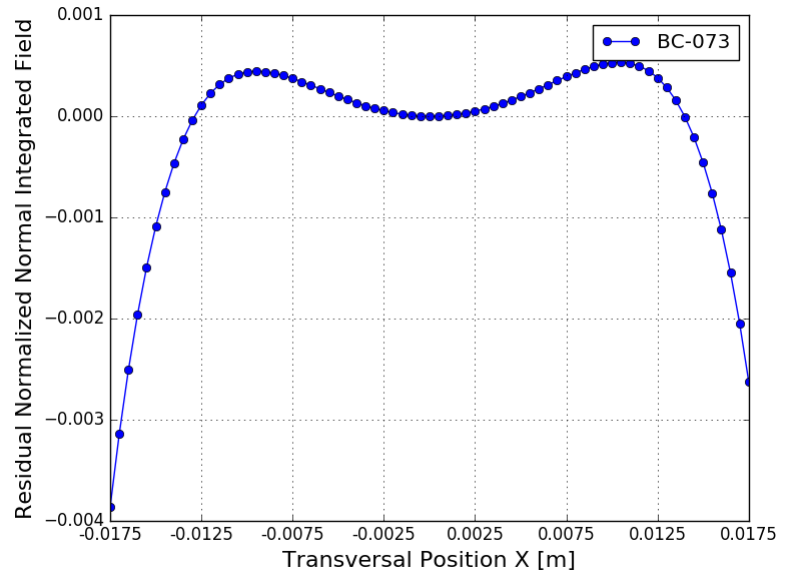
BOOSTER MAGNET REPORT

Results

Date	29/04/2016
Hour	08:39:06
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.9799 ± 0.0006)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.37898 ± 0.00009) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-5.4 ± 0.3) x E-1

Electric Parameters

Indutance [mH]	3.246
Voltage [V]	0.770
Resistance [mΩ]	77.010
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)	(-5.4 ± 0.1) x E-4
2 (quadrupole)	(-2 ± 1) x E-5	(-4.0 ± 0.2) x E-4
3 (sextupole)	(2.62 ± 0.02) x E-3	(4 ± 1) x E-5
4	(1.0 ± 0.2) x E-4	(-2.3 ± 22.3) x E-6
5	(-2.17 ± 0.02) x E-3	(8.5 ± 19.4) x E-6
6	(6.2 ± 0.1) x E-4	(-1 ± 1) x E-5
7	(-4.086 ± 0.010) x E-3	(-3 ± 2) x E-5
8	(2 ± 2) x E-5	(-2 ± 2) x E-5
9	(6.2 ± 11.8) x E-6	(1 ± 2) x E-5
10	(-1.2 ± 0.1) x E-4	(-1 ± 2) x E-5
11	(5.0 ± 0.2) x E-4	(-2 ± 2) x E-5
12	(3 ± 2) x E-5	(-7.3 ± 16.7) x E-6
13	(-8.3 ± 1.0) x E-5	(2 ± 1) x E-5
14	(-9.3 ± 20.6) x E-6	(-2 ± 2) x E-5
15	(-3 ± 5) x E-5	(-3 ± 4) x E-5

