



BC-075

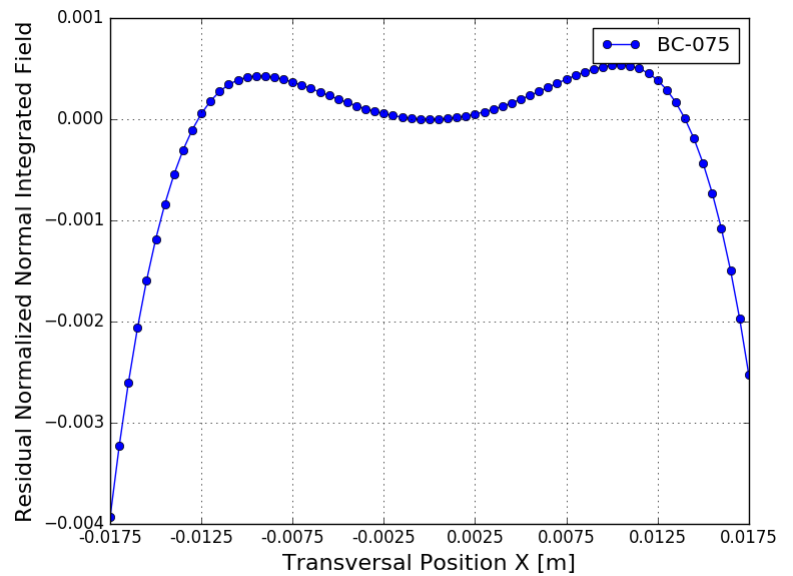
BOOSTER MAGNET REPORT

Results

Date	26/04/2016
Hour	10:24:28
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.980 ± 0.007)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3765 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-4 ± 1) x E-1

Electric Parameters

Indutance [mH]	3.218
Voltage [V]	0.781
Resistance [mΩ]	78.050
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 ± 0.00004)	(-3.6 ± 0.4) x E-4
2 (quadrupole)	(-2 ± 3) x E-5	(-4.4 ± 0.5) x E-4
3 (sextupole)	(2.64 ± 0.09) x E-3	(5 ± 7) x E-5
4	(1.5 ± 0.4) x E-4	(-3 ± 4) x E-5
5	(-2.3 ± 0.1) x E-3	(1 ± 2) x E-4
6	(6.6 ± 1.0) x E-4	(7.93 ± 132.94) x E-6
7	(-4.1 ± 0.1) x E-3	(1 ± 2) x E-4
8	(1 ± 1) x E-4	(2 ± 2) x E-4
9	(3 ± 6) x E-5	(4 ± 7) x E-5
10	(-1 ± 1) x E-4	(1 ± 10) x E-5
11	(6 ± 2) x E-4	(-2 ± 7) x E-5
12	(-2 ± 2) x E-4	(-1.1 ± 0.5) x E-4
13	(-1 ± 8) x E-5	(3 ± 9) x E-5
14	(1.1 ± 0.8) x E-4	(6 ± 9) x E-5
15	(-9 ± 4) x E-5	(3 ± 10) x E-5

