



BC-005

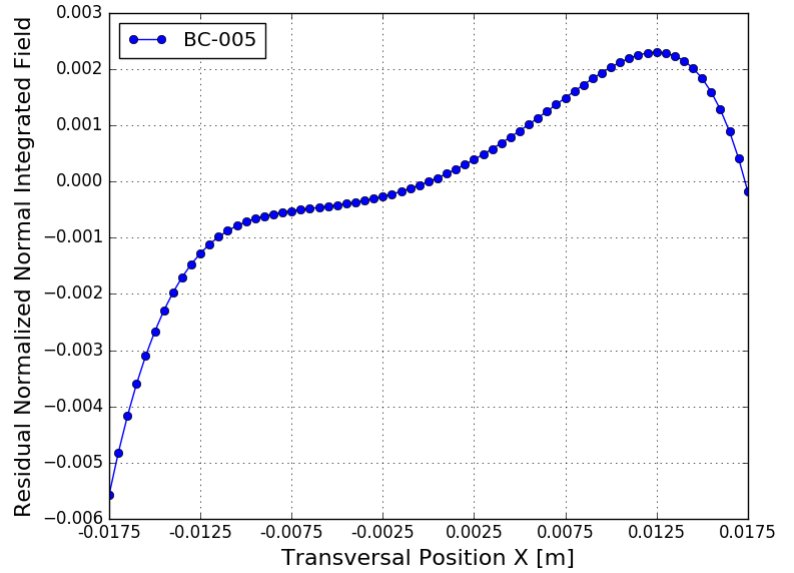
## BOOSTER MAGNET REPORT

### Results

Date	16/03/2015
Hour	16:07:48
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.006)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.32561 ± 0.00008) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-7 ± 6) x E-2

### Electric Parameters

Indutance [mH]	3.170
Voltage [V]	--
Resistance [mΩ]	69.310
Main Coil Number of Turns	38.5



n	Normalized Normal Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(1.00000 ± 0.00002)	(-7 ± 2) x E-5
2 (quadrupole)	(2.3 ± 0.1) x E-3	(6.5 ± 0.9) x E-4
3 (sextupole)	(3.2 ± 0.1) x E-3	(4 ± 1) x E-4
4	(1.7 ± 0.8) x E-4	(2 ± 1) x E-4
5	(-2.3 ± 0.1) x E-3	(-5 ± 2) x E-4
6	(5.5 ± 0.9) x E-4	(4 ± 1) x E-4
7	(-4.0 ± 0.1) x E-3	(1.5 ± 1.0) x E-4
8	(-6.0 ± 17.4) x E-5	(-8.3 ± 11.0) x E-5
9	(-5 ± 9) x E-5	(-1 ± 1) x E-4
10	(-2 ± 1) x E-4	(-1 ± 2) x E-4
11	(5 ± 1) x E-4	(5.7 ± 10.5) x E-5
12	(-7.0 ± 14.6) x E-5	(-1.7 ± 1.0) x E-4
13	(-1 ± 1) x E-4	(8.7 ± 14.5) x E-5
14	(-1.4 ± 14.8) x E-5	(-4 ± 1) x E-4
15	(-1 ± 1) x E-4	(9.7 ± 16.3) x E-5

