



BC-024

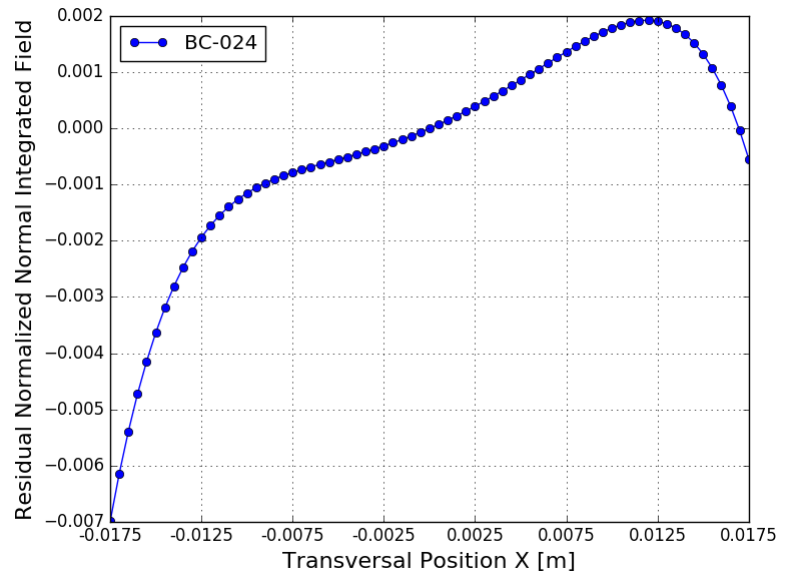
## BOOSTER MAGNET REPORT

### Results

Date	19/03/2015
Hour	17:05:17
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.980 ± 0.006)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3925 ± 0.0004) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.34 ± 0.05)

### Electric Parameters

Indutance [mH]	3.163
Voltage [V]	0.667
Resistance [mΩ]	74.084
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)	(1.0000 ± 0.0001)	(-1.34 ± 0.02) x E-3
2 (quadrupole)	(2.46 ± 0.07) x E-3	(1.5 ± 0.7) x E-4
3 (sextupole)	(2.13 ± 0.07) x E-3	(2.3 ± 0.6) x E-4
4	(1.2 ± 0.5) x E-4	(1.0 ± 0.7) x E-4
5	(-2.23 ± 0.05) x E-3	(-3.5 ± 0.7) x E-4
6	(7.2 ± 0.5) x E-4	(2.5 ± 0.4) x E-4
7	(-3.98 ± 0.04) x E-3	(3.2 ± 0.5) x E-4
8	(-2 ± 5) x E-5	(5 ± 7) x E-5
9	(-9 ± 4) x E-5	(5.0 ± 54.7) x E-6
10	(-2.2 ± 0.5) x E-4	(4 ± 8) x E-5
11	(4.4 ± 0.5) x E-4	(5 ± 6) x E-5
12	(10 ± 5) x E-5	(3.7 ± 49.3) x E-6
13	(-2 ± 5) x E-5	(4 ± 7) x E-5
14	(7 ± 7) x E-5	(2 ± 6) x E-5
15	(-2 ± 4) x E-5	(-1 ± 6) x E-5

