



# BC-030

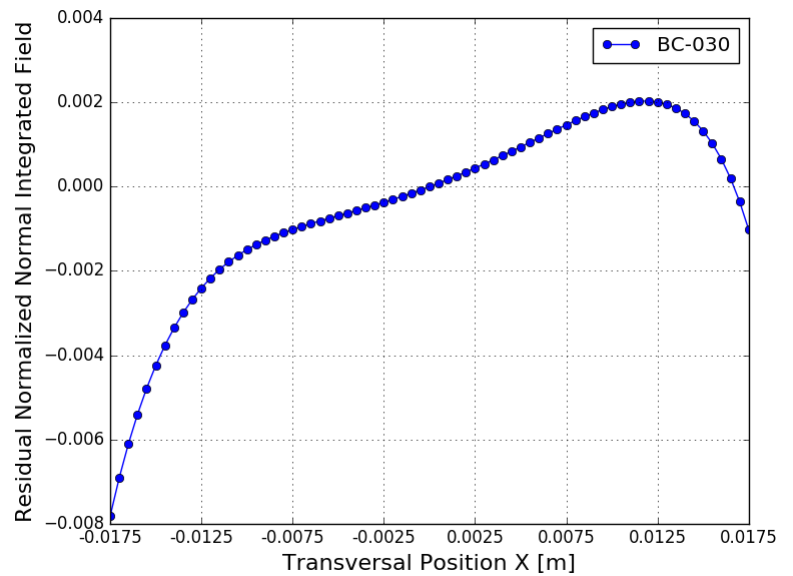
## BOOSTER MAGNET REPORT

### Results

Date	23/03/2015
Hour	09:35:41
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.009)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3851 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-2.08 ± 0.07)

### Electric Parameters

Indutance [mH]	3.141
Voltage [V]	0.720
Resistance [mΩ]	79.967
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 ± 0.00005)	(-2.08 ± 0.02) x E-3
2 (quadrupole)	(2.8 ± 0.1) x E-3	(5 ± 1) x E-4
3 (sextupole)	(1.77 ± 0.06) x E-3	(1.6 ± 0.7) x E-4
4	(1.9 ± 0.7) x E-4	(2 ± 8) x E-5
5	(-2.2 ± 0.1) x E-3	(-2.7 ± 0.7) x E-4
6	(7.2 ± 0.2) x E-4	(2 ± 1) x E-4
7	(-4.02 ± 0.04) x E-3	(3.5 ± 0.6) x E-4
8	(-10 ± 6) x E-5	(1 ± 1) x E-4
9	(-1.5 ± 0.3) x E-4	(-2 ± 6) x E-5
10	(-3.4 ± 0.4) x E-4	(6 ± 8) x E-5
11	(4.6 ± 0.6) x E-4	(5 ± 7) x E-5
12	(10 ± 6) x E-5	(5 ± 6) x E-5
13	(-1.3 ± 0.5) x E-4	(9 ± 4) x E-5
14	(-1 ± 6) x E-5	(4 ± 3) x E-5
15	(-1.6 ± 1.0) x E-4	(-4 ± 6) x E-5

