



BC-080

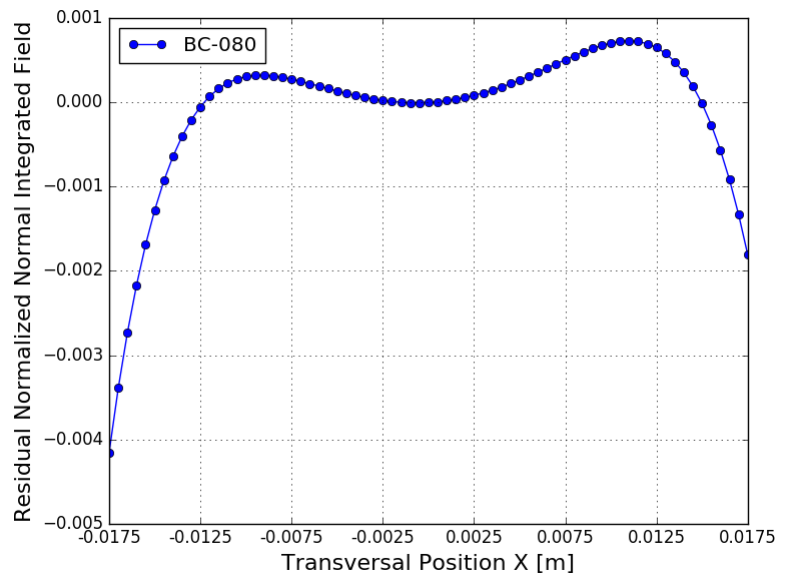
## BOOSTER MAGNET REPORT

### Results

Date	26/04/2016
Hour	12:55:21
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(9.976 ± 0.005)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3812 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-3 ± 1) x E-1

### Electric Parameters

Indutance [mH]	3.216
Voltage [V]	0.765
Resistance [mΩ]	76.540
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)	(-2.9 ± 0.4) x E-4
2 (quadrupole)	(2.1 ± 0.3) x E-4	(-7.0 ± 0.7) x E-4
3 (sextupole)	(2.65 ± 0.07) x E-3	(-7.2 ± 10.5) x E-5
4	(1.9 ± 0.7) x E-4	(-3.8 ± 11.9) x E-5
5	(-2.1 ± 0.1) x E-3	(-3 ± 7) x E-5
6	(7.4 ± 0.8) x E-4	(-1.5 ± 0.4) x E-4
7	(-3.98 ± 0.09) x E-3	(-4 ± 7) x E-5
8	(-2 ± 8) x E-5	(-6 ± 7) x E-5
9	(10 ± 8) x E-5	(1.1 ± 1.0) x E-4
10	(-1.2 ± 0.6) x E-4	(7 ± 10) x E-5
11	(5.4 ± 0.8) x E-4	(7 ± 6) x E-5
12	(7 ± 7) x E-5	(-3 ± 10) x E-5
13	(-9 ± 5) x E-5	(-10 ± 7) x E-5
14	(1.1 ± 1.0) x E-4	(4 ± 10) x E-5
15	(-10 ± 5) x E-5	(4 ± 5) x E-5

