



BQF-006

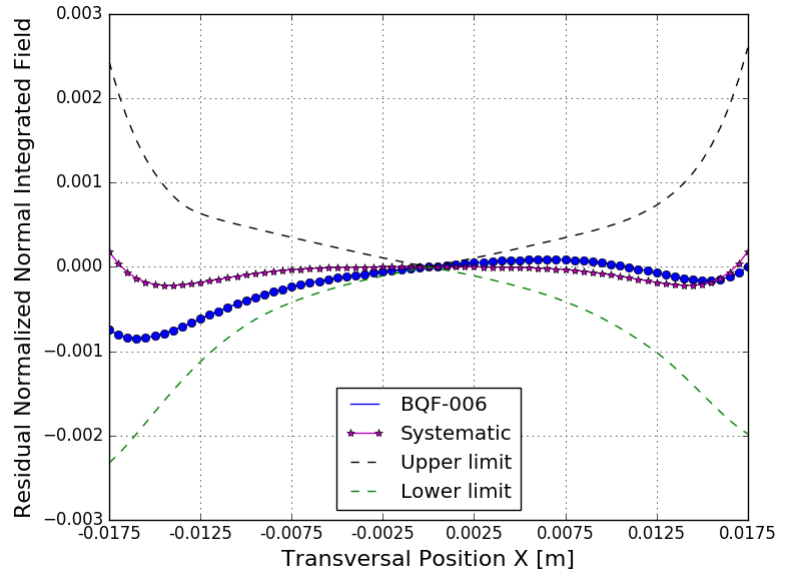
BOOSTER MAGNET REPORT

Results

Date	04/04/2016
Hour	13:48:55
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0028 ± 0.0005)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.825125 ± 0.000009)
Magnet Center Offset X [μm] - (< ±160.0)	(35.1 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-32.1 ± 0.1)
Roll [mrad] - (< ±0.8)	(-4.35 ± 0.04) × E-1

Electric Parameters

Inductance [mH]	8.227
Voltage [V]	0.4665
Resistance [mΩ]	46.65
Main Coil Number of Turns	26.25



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)	(2.006 ± 0.006) × E-3	(-1.833 ± 0.006) × E-3
2 (quadrupole)	(1.000000 ± 0.000002)	(-8.70 ± 0.02) × E-4
3 (sextupole)	(3.71 ± 0.05) × E-4	(-3.95 ± 0.05) × E-4
4	(-2.02 ± 0.02) × E-4	(9.0 ± 0.6) × E-5
5	(1.6 ± 0.2) × E-5	(-2.2 ± 0.4) × E-5
6	(-1.206 ± 0.005) × E-3	(-2 ± 5) × E-6
7	(9 ± 2) × E-6	(-2.6 ± 0.5) × E-5
8	(-7 ± 3) × E-6	(-6.1 ± 0.5) × E-5
9	(5 ± 4) × E-6	(7 ± 3) × E-6
10	(1.111 ± 0.003) × E-3	(1.2 ± 0.5) × E-5
11	(-1.5 ± 0.5) × E-5	(-2.3 ± 0.5) × E-5
12	(-3 ± 3) × E-6	(-1.8 ± 0.5) × E-5
13	(1.4 ± 0.5) × E-5	(5.5 ± 38.8) × E-7
14	(-6.4 ± 0.3) × E-5	(6 ± 5) × E-6
15	(-2.4 ± 0.4) × E-5	(-7.2 ± 58.8) × E-7

