



BQF-033

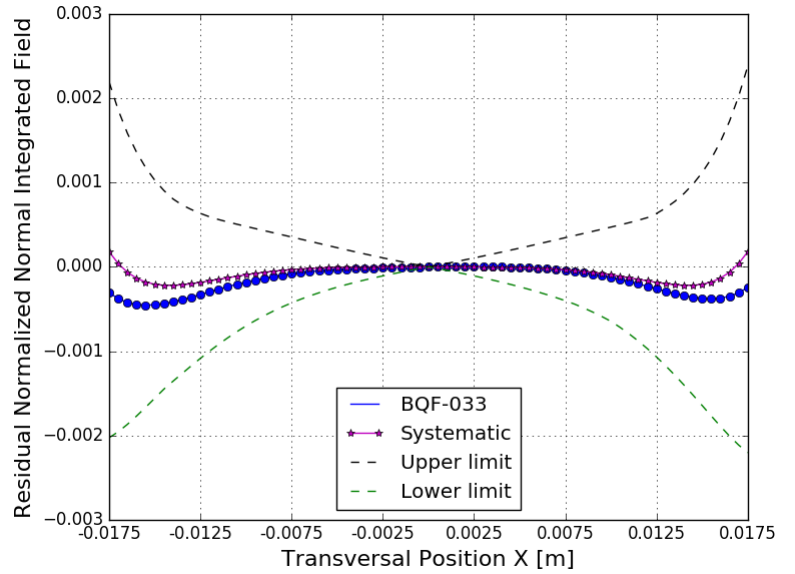
BOOSTER MAGNET REPORT

Results

Date	14/04/2016
Hour	10:00:16
Temperature [°C]	21.4
Number of Measurements	17
Main Coil Current [A]	(130.0085 ± 0.0004)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.825481 ± 0.000009)
Magnet Center Offset X [μm] - (< ±160.0)	(9.88 ± 0.04)
Magnet Center Offset Y [μm] - (< ±160.0)	(-20.13 ± 0.10)
Roll [mrad] - (< ±0.8)	(-3.53 ± 0.04) × E-1

Electric Parameters

Inductance [mH]	8.294
Voltage [V]	0.485
Resistance [mΩ]	48.50
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)	(5.65 ± 0.03) × E-4	(-1.150 ± 0.006) × E-3
2 (quadrupole)	(1.000000 ± 0.000002)	(-7.06 ± 0.03) × E-4
3 (sextupole)	(4.9 ± 0.2) × E-5	(-5.49 ± 0.06) × E-4
4	(-1.31 ± 0.02) × E-4	(1.11 ± 0.04) × E-4
5	(-1.6 ± 0.4) × E-5	(2.3 ± 0.5) × E-5
6	(-1.144 ± 0.002) × E-3	(-1.8 ± 0.5) × E-5
7	(4.7 ± 0.4) × E-5	(-4 ± 4) × E-6
8	(-8 ± 3) × E-6	(-3.9 ± 0.5) × E-5
9	(-4.3 ± 0.4) × E-5	(1.2 ± 0.5) × E-5
10	(1.101 ± 0.004) × E-3	(-1.3 ± 0.5) × E-5
11	(9 ± 5) × E-6	(-2.8 ± 0.5) × E-5
12	(2.5 ± 53.2) × E-7	(2.0 ± 0.5) × E-5
13	(-2.1 ± 0.4) × E-5	(2.3 ± 0.5) × E-5
14	(-9.3 ± 0.5) × E-5	(-1.3 ± 0.4) × E-5
15	(7 ± 3) × E-6	(-2.0 ± 0.6) × E-5

