



BQF-057

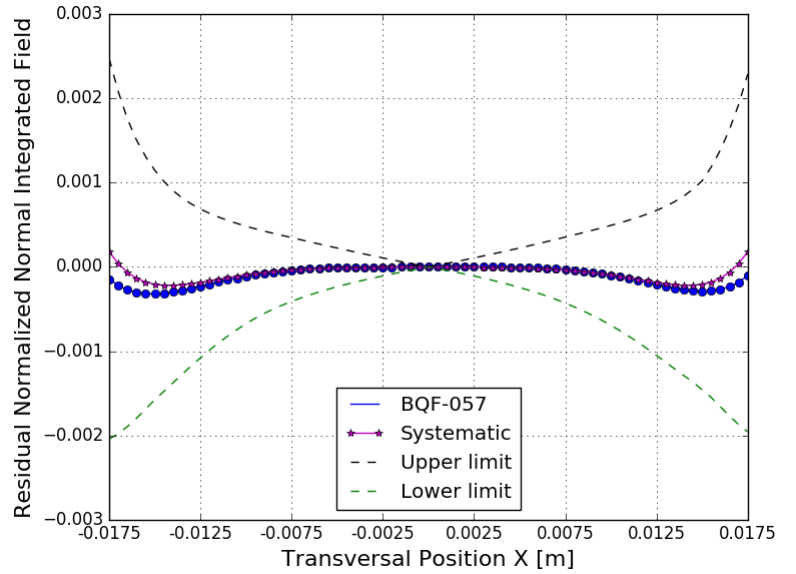
BOOSTER MAGNET REPORT

Results

Date	14/04/2016
Hour	16:26:10
Temperature [°C]	21.0
Number of Measurements	17
Main Coil Current [A]	(130.0107 ± 0.0003)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.83155 ± 0.00001)
Magnet Center Offset X [μm] - (< ±160.0)	(-5.11 ± 0.04)
Magnet Center Offset Y [μm] - (< ±160.0)	(-18.56 ± 0.05)
Roll [mrad] - (< ±0.8)	(-4.44 ± 0.03) × E-1

Electric Parameters

Inductance [mH]	8.284
Voltage [V]	0.484
Resistance [mΩ]	48.40
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)	(-2.92 ± 0.02) × E-4	(-1.061 ± 0.003) × E-3
2 (quadrupole)	(1.000000 ± 0.000003)	(-8.89 ± 0.02) × E-4
3 (sextupole)	(8 ± 2) × E-6	(-4.97 ± 0.04) × E-4
4	(2.2 ± 0.2) × E-5	(1.17 ± 0.03) × E-4
5	(1 ± 4) × E-6	(-1.0 ± 0.3) × E-5
6	(-1.157 ± 0.005) × E-3	(-9 ± 4) × E-6
7	(4.1 ± 0.4) × E-5	(-4 ± 5) × E-6
8	(-1.9 ± 0.4) × E-5	(-2.7 ± 0.3) × E-5
9	(-3.4 ± 0.4) × E-5	(4 ± 4) × E-6
10	(1.113 ± 0.004) × E-3	(-1.6 ± 0.3) × E-5
11	(2.3 ± 0.4) × E-5	(-9 ± 4) × E-6
12	(9 ± 3) × E-6	(1.0 ± 0.4) × E-5
13	(-2.5 ± 0.3) × E-5	(1.8 ± 0.5) × E-5
14	(-9.1 ± 0.4) × E-5	(-1.4 ± 0.5) × E-5
15	(6 ± 5) × E-6	(-1.8 ± 0.4) × E-5

