



BQF-011

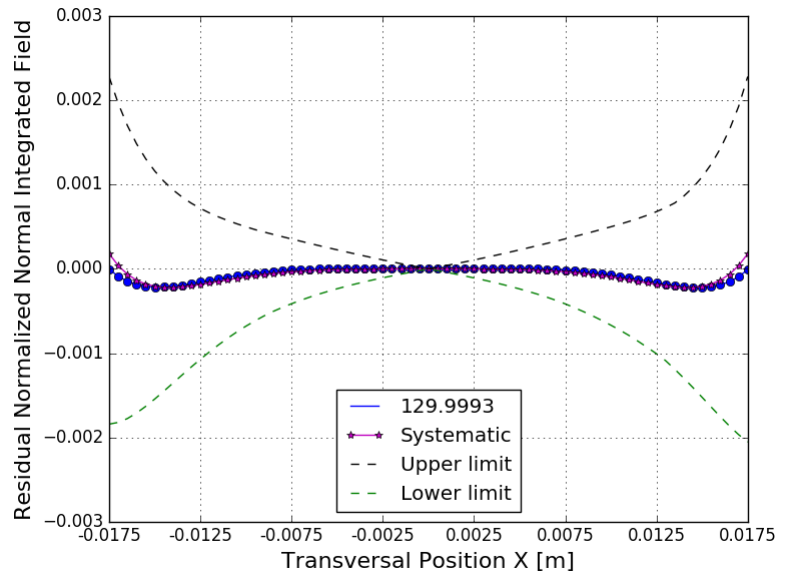
BOOSTER MAGNET REPORT

Results

Date	31/03/2016
Hour	10:18:56
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(129.9993 ± 0.0005)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.821787 ± 0.000009)
Magnet Center Offset X [μm] - (< ±160.0)	(2.26 ± 0.08)
Magnet Center Offset Y [μm] - (< ±160.0)	(-10.51 ± 0.05)
Roll [mrad] - (< ±0.8)	(-4.84 ± 0.05) × E-1

Electric Parameters

Inductance [mH]	8.278
Voltage [V]	0.485
Resistance [mΩ]	3.731
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)	(1.29 ± 0.05) × E-4	(-6.01 ± 0.03) × E-4
2 (quadrupole)	(1.000000 ± 0.000002)	(-9.68 ± 0.03) × E-4
3 (sextupole)	(1 ± 3) × E-6	(-6.93 ± 0.04) × E-4
4	(1.39 ± 0.04) × E-4	(6.9 ± 0.4) × E-5
5	(-3.8 ± 0.2) × E-5	(2.2 ± 0.3) × E-5
6	(-1.153 ± 0.004) × E-3	(-2.3 ± 0.3) × E-5
7	(6.3 ± 0.4) × E-5	(8 ± 4) × E-6
8	(-3.1 ± 0.3) × E-5	(-3.0 ± 0.4) × E-5
9	(-3.2 ± 0.4) × E-5	(2 ± 4) × E-6
10	(1.128 ± 0.005) × E-3	(-2.7 ± 0.5) × E-5
11	(2.5 ± 0.6) × E-5	(-2.7 ± 0.5) × E-5
12	(7 ± 5) × E-6	(1.7 ± 0.4) × E-5
13	(-3.1 ± 0.4) × E-5	(10 ± 3) × E-6
14	(-9.6 ± 0.4) × E-5	(-2.7 ± 0.5) × E-5
15	(10 ± 6) × E-6	(-1.9 ± 0.8) × E-5

