



BQF-022

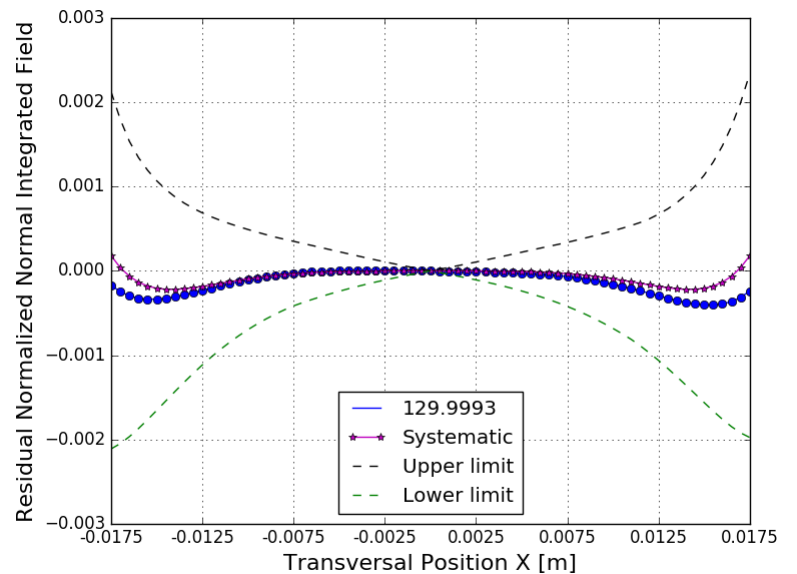
BOOSTER MAGNET REPORT

Results

Date	11/04/2016
Hour	10:23:32
Temperature [°C]	21.0
Number of Measurements	17
Main Coil Current [A]	(129.9993 ± 0.0003)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.83000 ± 0.00010)
Magnet Center Offset X [μm] - (< ±160.0)	(14.4 ± 0.5)
Magnet Center Offset Y [μm] - (< ±160.0)	(-31.3 ± 0.2)
Roll [mrad] - (< ±0.8)	(-4.42 ± 0.08) × E-1

Electric Parameters

Inductance [mH]	8.262
Voltage [V]	0.490
Resistance [mΩ]	3.769
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)	(8.3 ± 0.3) × E-4	(-1.79 ± 0.01) × E-3
2 (quadrupole)	(1.00000 ± 0.00002)	(-8.84 ± 0.05) × E-4
3 (sextupole)	(-4 ± 2) × E-5	(-6.5 ± 0.2) × E-4
4	(-5 ± 1) × E-5	(9 ± 1) × E-5
5	(-2 ± 2) × E-5	(3 ± 2) × E-5
6	(-1.19 ± 0.01) × E-3	(-5.0 ± 15.1) × E-6
7	(6 ± 1) × E-5	(5.1 ± 12.1) × E-6
8	(-5.90 ± 110.97) × E-7	(-3 ± 1) × E-5
9	(-4 ± 1) × E-5	(-8.1 ± 13.4) × E-6
10	(1.11 ± 0.01) × E-3	(-1.7 ± 1.0) × E-5
11	(2 ± 1) × E-5	(-9.0 ± 11.6) × E-6
12	(2 ± 1) × E-5	(8 ± 9) × E-6
13	(-3.3 ± 14.5) × E-6	(1.3 ± 0.8) × E-5
14	(-8.7 ± 0.6) × E-5	(-7 ± 7) × E-6
15	(-3 ± 8) × E-6	(4 ± 8) × E-6

