



BQF-002

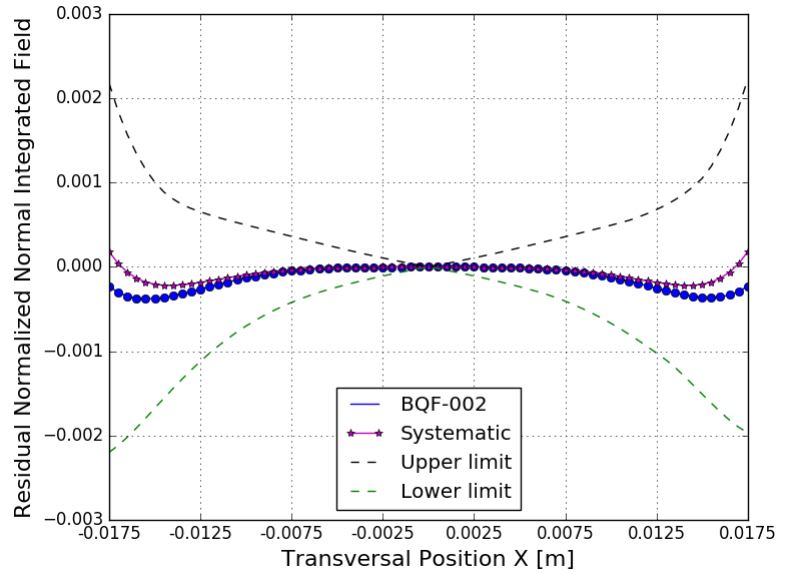
BOOSTER MAGNET REPORT

Results

Date	08/04/2016
Hour	11:05:04
Temperature [°C]	21.0
Number of Measurements	17
Main Coil Current [A]	(129.9968 ± 0.0004)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.83522 ± 0.00001)
Magnet Center Offset X [μm] - (< ±160.0)	(19.08 ± 0.04)
Magnet Center Offset Y [μm] - (< ±160.0)	(-8.31 ± 0.07)
Roll [mrad] - (< ±0.8)	(-5.26 ± 0.04) × E-1

Electric Parameters

Inductance [mH]	8.43
Voltage [V]	0.495
Resistance [mΩ]	49.50
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)	(1.090 ± 0.002) × E-3	(-4.75 ± 0.04) × E-4
2 (quadrupole)	(1.000000 ± 0.000002)	(-1.052 ± 0.003) × E-3
3 (sextupole)	(5 ± 3) × E-6	(-8.42 ± 0.05) × E-4
4	(-3.7 ± 0.4) × E-5	(1.17 ± 0.07) × E-4
5	(-10 ± 3) × E-6	(4.2 ± 0.6) × E-5
6	(-1.192 ± 0.003) × E-3	(4 ± 4) × E-6
7	(4.2 ± 0.3) × E-5	(10 ± 4) × E-6
8	(-2.0 ± 0.4) × E-5	(-3.3 ± 0.8) × E-5
9	(-2.8 ± 0.4) × E-5	(1.8 ± 0.6) × E-5
10	(1.115 ± 0.005) × E-3	(-1.8 ± 0.4) × E-5
11	(2.4 ± 0.7) × E-5	(-1.6 ± 0.6) × E-5
12	(-2.3 ± 77.9) × E-7	(2.4 ± 0.6) × E-5
13	(-3.9 ± 0.6) × E-5	(2.2 ± 0.4) × E-5
14	(-9.7 ± 0.6) × E-5	(-1.9 ± 0.8) × E-5
15	(9 ± 7) × E-6	(-1.1 ± 0.8) × E-5

