



BQD-012

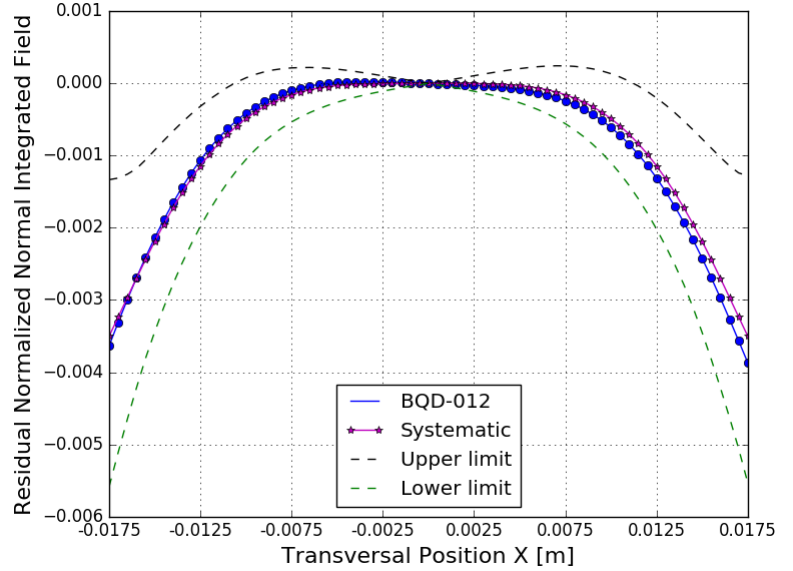
BOOSTER MAGNET REPORT

Results

Date	06/05/2016
Hour	09:38:23
Temperature [°C]	23.5
Number of Measurements	17
Main Coil Current [A]	(31.9701 ± 0.0003)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-5.29007 ± 0.00006) × E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-32.76 ± 0.07)
Magnet Center Offset Y [μm] - (< ±160.0)	(-67.5 ± 0.2)
Roll [mrad] - (< ±0.8)	(-4.1 ± 0.2) × E-1

Electric Parameters

Inductance [mH]	3.728
Voltage [V]	0.3020
Resistance [mΩ]	30.20
Main Coil Number of Turns	27.5



Normalized
Normal
Multipoles
x=17.5 mm
[T.m⁽²⁻ⁿ⁾]

Normalized
Skew
Multipoles
x=17.5 mm
[T.m⁽²⁻ⁿ⁾]

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)	(-1.872 ± 0.004) × E-3	(-3.86 ± 0.01) × E-3
2 (quadrupole)	(1.00000 ± 0.00001)	(-8.1 ± 0.1) × E-4
3 (sextupole)	(-1.63 ± 0.07) × E-4	(-4.3 ± 0.2) × E-4
4	(-6 ± 1) × E-5	(9 ± 2) × E-5
5	(-4 ± 1) × E-5	(10 ± 2) × E-5
6	(-4.719 ± 0.009) × E-3	(3 ± 2) × E-5
7	(2.1 ± 0.9) × E-5	(-3 ± 2) × E-5
8	(-2.8 ± 24.4) × E-6	(-3 ± 2) × E-5
9	(1 ± 1) × E-5	(4 ± 3) × E-5
10	(1.12 ± 0.02) × E-3	(7.8 ± 19.7) × E-6
11	(4.8 ± 16.1) × E-6	(-2 ± 2) × E-5
12	(3 ± 2) × E-5	(7.6 ± 20.8) × E-6
13	(1 ± 3) × E-5	(4 ± 4) × E-5
14	(-1.2 ± 0.4) × E-4	(5 ± 5) × E-5
15	(3.3 ± 11.4) × E-5	(4.2 ± 12.6) × E-5

