



BQD-001

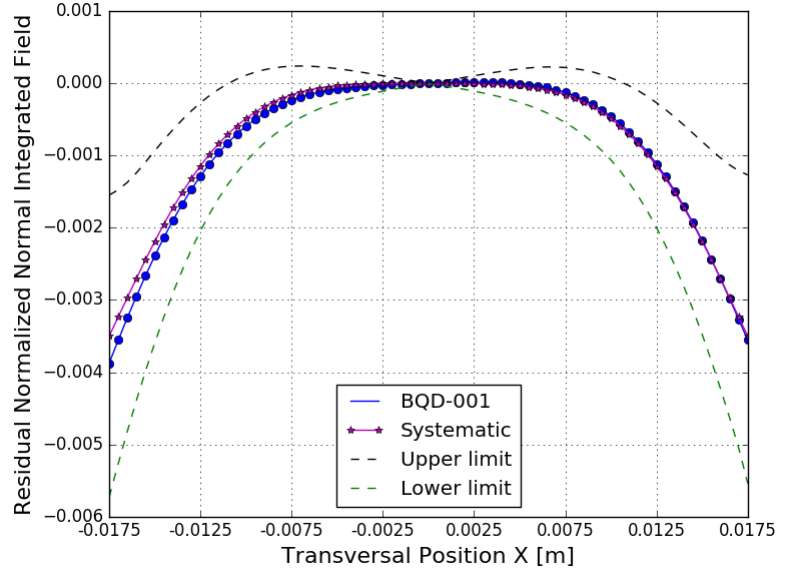
BOOSTER MAGNET REPORT

Results

Date	05/05/2016
Hour	16:15:04
Temperature [°C]	24.1
Number of Measurements	17
Main Coil Current [A]	(31.9724 ± 0.0005)
Trim Coil Current [A]	--
Integrated Gradient [T]	$(-5.29271 \pm 0.00003) \times 10^{-1}$
Magnet Center Offset X [μm] - ($< \pm 160.0$)	(-3.1 ± 0.2)
Magnet Center Offset Y [μm] - ($< \pm 160.0$)	(-25.9 ± 0.4)
Roll [mrad] - ($< \pm 0.8$)	$(-2.6 \pm 0.2) \times 10^{-1}$

Electric Parameters

Inductance [mH]	3.728
Voltage [V]	0.2797
Resistance [$\text{m}\Omega$]	27.97
Main Coil Number of Turns	27.5



Normalized
Normal
Multipoles
 $x=17.5 \text{ mm}$
[$\text{T}\cdot\text{m}^{(2-n)}$]

Normalized
Skew
Multipoles
 $x=17.5 \text{ mm}$
[$\text{T}\cdot\text{m}^{(2-n)}$]

n	Normalized Normal Multipoles $x=17.5 \text{ mm}$ [$\text{T}\cdot\text{m}^{(2-n)}$]	Normalized Skew Multipoles $x=17.5 \text{ mm}$ [$\text{T}\cdot\text{m}^{(2-n)}$]
1 (dipole)	$(-1.75 \pm 0.09) \times 10^{-4}$	$(-1.48 \pm 0.02) \times 10^{-3}$
2 (quadrupole)	(1.000000 ± 0.000006)	$(-5.2 \pm 0.1) \times 10^{-4}$
3 (sextupole)	$(1.3 \pm 0.1) \times 10^{-4}$	$(-7.8 \pm 0.2) \times 10^{-4}$
4	$(-1.3 \pm 0.1) \times 10^{-4}$	$(1.7 \pm 0.2) \times 10^{-4}$
5	$(-5 \pm 1) \times 10^{-5}$	$(2 \pm 1) \times 10^{-5}$
6	$(-4.66 \pm 0.02) \times 10^{-3}$	$(1 \pm 2) \times 10^{-5}$
7	$(5 \pm 1) \times 10^{-5}$	$(4 \pm 2) \times 10^{-5}$
8	$(-5.6 \pm 16.4) \times 10^{-6}$	$(2.793 \pm 1805.589) \times 10^{-8}$
9	$(-4 \pm 2) \times 10^{-5}$	$(1 \pm 1) \times 10^{-5}$
10	$(1.18 \pm 0.02) \times 10^{-3}$	$(-2 \pm 4) \times 10^{-5}$
11	$(5 \pm 2) \times 10^{-5}$	$(5 \pm 2) \times 10^{-5}$
12	$(-2.2 \pm 25.1) \times 10^{-6}$	$(6 \pm 3) \times 10^{-5}$
13	$(-3 \pm 3) \times 10^{-5}$	$(2 \pm 2) \times 10^{-5}$
14	$(-1.0 \pm 0.2) \times 10^{-4}$	$(-3 \pm 4) \times 10^{-5}$
15	$(4 \pm 3) \times 10^{-5}$	$(3 \pm 3) \times 10^{-5}$

