



BQD-027

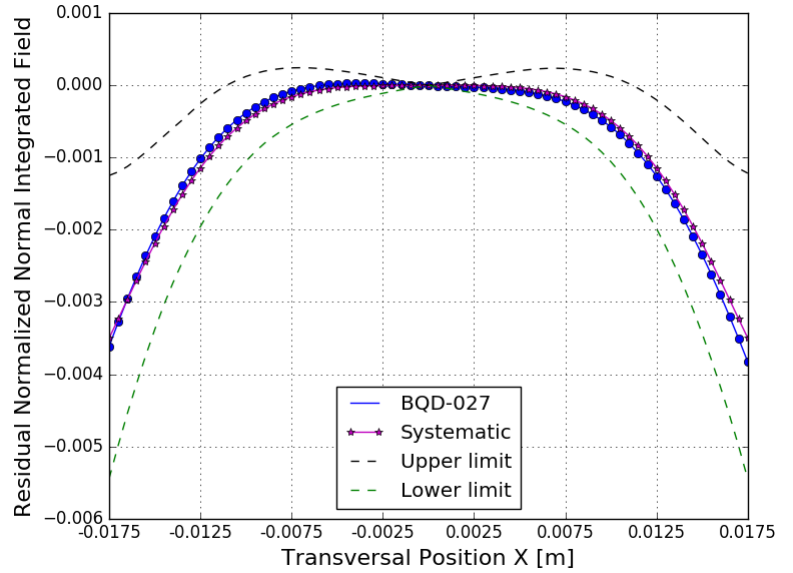
BOOSTER MAGNET REPORT

Results

Date	12/05/2016
Hour	09:15:31
Temperature [°C]	23.8
Number of Measurements	17
Main Coil Current [A]	(31.99 ± 0.02)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-5.29798 ± 0.00005) x E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-33.7 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-52.7 ± 0.2)
Roll [mrad] - (< ±0.8)	(-5.15 ± 0.10) x E-1

Electric Parameters

Inductance [mH]	3.735
Voltage [V]	0.2791
Resistance [mΩ]	27.91
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)	(-1.928 ± 0.008) x E-3	(-3.01 ± 0.01) x E-3
2 (quadrupole)	(1.00000 ± 0.00001)	(-1.029 ± 0.007) x E-3
3 (sextupole)	(-1.64 ± 0.10) x E-4	(-5.1 ± 0.1) x E-4
4	(3 ± 1) x E-5	(1.2 ± 0.1) x E-4
5	(-5.1 ± 0.9) x E-5	(5 ± 1) x E-5
6	(-4.69 ± 0.01) x E-3	(1 ± 1) x E-5
7	(9 ± 2) x E-5	(-1 ± 2) x E-5
8	(-4 ± 2) x E-5	(-2 ± 2) x E-5
9	(-1 ± 2) x E-5	(3 ± 2) x E-5
10	(1.13 ± 0.02) x E-3	(-3 ± 2) x E-5
11	(5 ± 2) x E-5	(-1 ± 2) x E-5
12	(-3 ± 1) x E-5	(2 ± 2) x E-5
13	(-3 ± 3) x E-5	(2 ± 3) x E-5
14	(-1.3 ± 0.4) x E-4	(-5 ± 2) x E-5
15	(1 ± 2) x E-5	(-1 ± 3) x E-5

