



BQD-022

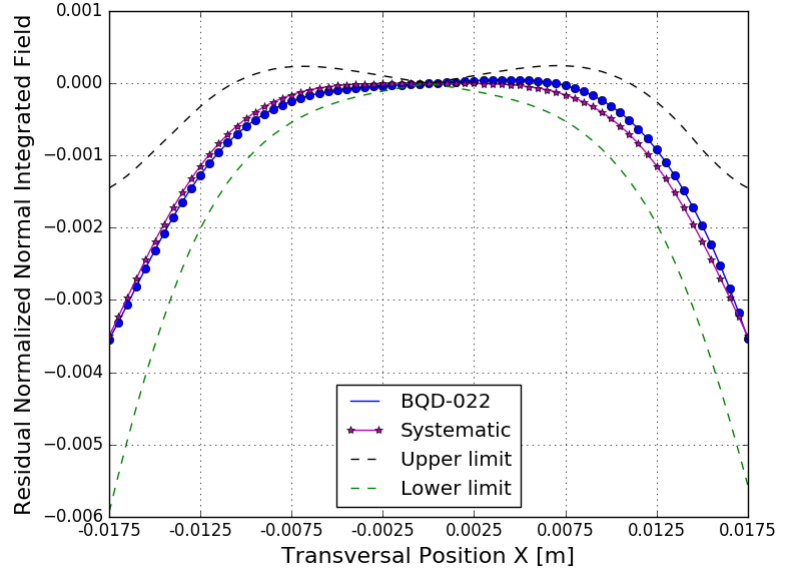
BOOSTER MAGNET REPORT

Results

Date	10/05/2016
Hour	08:58:45
Temperature [°C]	23.6
Number of Measurements	17
Main Coil Current [A]	(31.9640 ± 0.0004)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-5.29612 ± 0.00006) x E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-4.4 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-28.4 ± 0.2)
Roll [mrad] - (< ±0.8)	(-4.5 ± 0.2) x E-1

Electric Parameters

Inductance [mH]	3.789
Voltage [V]	0.2769
Resistance [mΩ]	27.69
Main Coil Number of Turns	27.5



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)	(-2.5 ± 0.1) x E-4	(-1.62 ± 0.01) x E-3
2 (quadrupole)	(1.00000 ± 0.00001)	(-9.0 ± 0.1) x E-4
3 (sextupole)	(2.51 ± 0.09) x E-4	(-8.4 ± 0.2) x E-4
4	(10 ± 2) x E-5	(1.2 ± 0.2) x E-4
5	(-2 ± 2) x E-5	(7.9 ± 14.8) x E-6
6	(-4.66 ± 0.01) x E-3	(-3 ± 1) x E-5
7	(7 ± 2) x E-5	(6 ± 1) x E-5
8	(-5 ± 2) x E-5	(-1 ± 2) x E-5
9	(-6 ± 2) x E-5	(-6 ± 2) x E-5
10	(1.18 ± 0.01) x E-3	(-3 ± 3) x E-5
11	(4 ± 2) x E-5	(4.1 ± 28.7) x E-6
12	(-1 ± 2) x E-5	(3 ± 2) x E-5
13	(-3.1 ± 1.0) x E-4	(-4 ± 8) x E-5
14	(-9 ± 2) x E-5	(-1 ± 5) x E-5
15	(2 ± 3) x E-5	(-7.5 ± 31.3) x E-6

