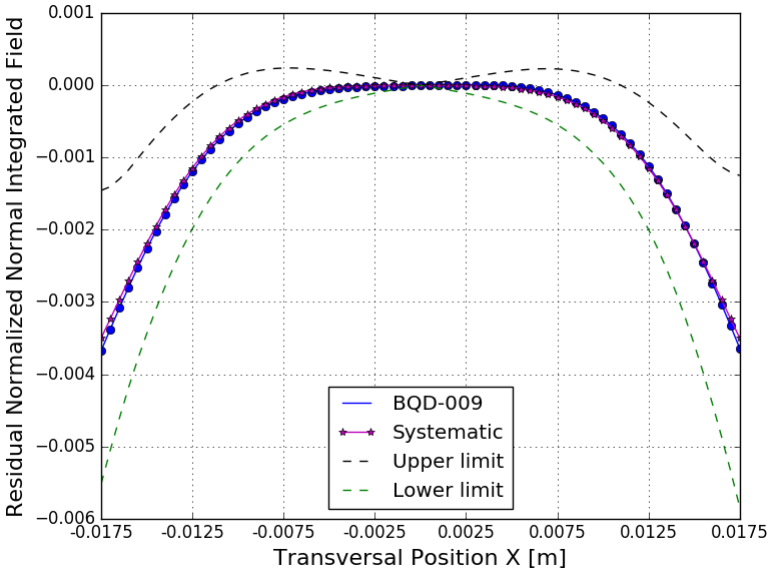
BQD-009

BOOSTER MAGNET REPORT

Results	
Date	06/05/2016
Hour	12:16:58
Temperature [°C]	23.4
Number of Measurements	17
Main Coil Current [A]	(31.9677 ± 0.0005)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-5.29545 ± 0.00005) x E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-8 ± 2) x E-1
Magnet Center Offset Y [μm] - (< ±160.0)	(-36.7 ± 0.2)
Roll [mrad] - (< ±0.8)	(-2.2 ± 0.2) x E-1
Electric Parameters	
Indutance [mH]	3.728
Voltage [V]	0.2950
Resistance [mΩ]	29.50
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)	(-4.3 ± 0.9) x E-5	(-2.10 ± 0.01) x E-3
2 (quadrupole)	(1.000000 ± 0.000009)	(-4.4 ± 0.1) x E-4
3 (sextupole)	(7.7 ± 0.8) x E-5	(-7.45 ± 0.10) x E-4
4	(-1 ± 1) x E-5	(7 ± 2) x E-5
5	(-5 ± 1) x E-5	(5 ± 2) x E-5
6	(-4.68 ± 0.01) x E-3	(-6 ± 1) x E-5
7	(3 ± 1) x E-5	(-2.2 ± 18.7) x E-6
8	(-2 ± 2) x E-5	(-6 ± 1) x E-5
9	(-4 ± 3) x E-5	(-3 ± 1) x E-5
10	(1.13 ± 0.02) x E-3	(-8 ± 1) x E-5
11	(3 ± 2) x E-5	(-5 ± 2) x E-5
12	(3 ± 2) x E-5	(-2 ± 2) x E-5
13	(-3 ± 2) x E-5	(-1 ± 3) x E-5
14	(-9 ± 3) x E-5	(-5 ± 2) x E-5
15	(4.8 ± 35.9) x E-6	(-5 ± 3) x E-5