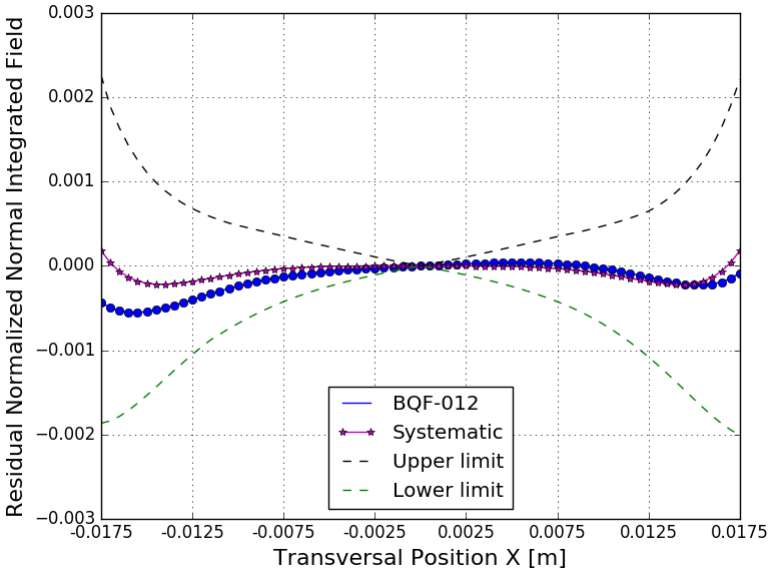
BQF-012

BOOSTER MAGNET REPORT

Results	
Date	08/04/2016
Hour	16:59:37
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0081 ± 0.0003)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.825749 ± 0.000007)
Magnet Center Offset X [μm] - (< ±160.0)	(19.05 ± 0.03)
Magnet Center Offset Y [μm] - (< ±160.0)	(-48.05 ± 0.09)
Roll [mrad] - (< ±0.8)	(-5.83 ± 0.05) x E-1
Electric Parameters	
Indutance [mH]	8.286
Voltage [V]	0.485
Resistance [mΩ]	48.50
Main Coil Number of Turns	26.25



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)	(1.088 ± 0.002) x E-3	(-2.746 ± 0.005) x E-3
2 (quadrupole)	(1.000000 ± 0.000002)	(-1.165 ± 0.003) x E-3
3 (sextupole)	(1.80 ± 0.03) x E-4	(-4.8 ± 0.4) x E-5
4	(-5.8 ± 0.4) x E-5	(1.50 ± 0.06) x E-4
5	(-2.0 ± 28.5) x E-7	(-1.03 ± 0.07) x E-4
6	(-1.186 ± 0.004) x E-3	(-2 ± 6) x E-6
7	(3.0 ± 0.4) x E-5	(-2.7 ± 0.5) x E-5
8	(-2.2 ± 0.4) x E-5	(-3.5 ± 0.5) x E-5
9	(-2.6 ± 0.5) x E-5	(1.8 ± 0.5) x E-5
10	(1.112 ± 0.004) x E-3	(-2.1 ± 0.6) x E-5
11	(8 ± 5) x E-6	(-2.5 ± 0.7) x E-5
12	(6.2 ± 50.6) x E-7	(1 ± 7) x E-6
13	(-1.8 ± 0.3) x E-5	(2.1 ± 0.5) x E-5
14	(-1.06 ± 0.06) x E-4	(-1.9 ± 0.4) x E-5
15	(7.9 ± 71.3) x E-7	(-1.9 ± 0.9) x E-5