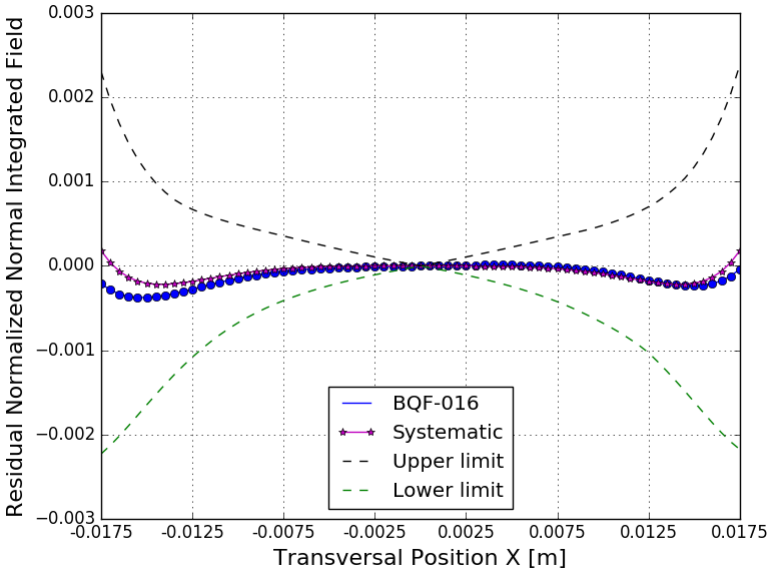
BQF-016

BOOSTER MAGNET REPORT

Results	
Date	30/03/2016
Hour	15:17:31
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0188 ± 0.0005)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.82306 ± 0.00001)
Magnet Center Offset X [μm] - (< ±160.0)	(-10.07 ± 0.05)
Magnet Center Offset Y [μm] - (< ±160.0)	(-44.40 ± 0.08)
Roll [mrad] - (< ±0.8)	(-3.37 ± 0.03) x E-1
Electric Parameters	
Indutance [mH]	8.266
Voltage [V]	0.483
Resistance [mΩ]	48.30
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)	(-5.76 ± 0.03) x E-4	(-2.537 ± 0.004) x E-3
2 (quadrupole)	(1.000000 ± 0.000002)	(-6.74 ± 0.02) x E-4
3 (sextupole)	(6.7 ± 0.3) x E-5	(-7.00 ± 0.03) x E-4
4	(2 ± 3) x E-6	(2.2 ± 0.4) x E-5
5	(-10 ± 3) x E-6	(4.7 ± 0.4) x E-5
6	(-1.137 ± 0.003) x E-3	(-2.0 ± 0.3) x E-5
7	(5.7 ± 0.5) x E-5	(-5 ± 4) x E-6
8	(-1 ± 1) x E-5	(-4.7 ± 0.6) x E-5
9	(-3.3 ± 0.7) x E-5	(-1.6 ± 0.4) x E-5
10	(1.12 ± 0.01) x E-3	(-2.6 ± 0.7) x E-5
11	(2.8 ± 0.8) x E-5	(-2.5 ± 0.8) x E-5
12	(10 ± 6) x E-6	(4 ± 6) x E-6
13	(-2.4 ± 0.3) x E-5	(1.9 ± 0.6) x E-5
14	(-1.08 ± 0.06) x E-4	(-2.1 ± 0.6) x E-5
15	(5.7 ± 76.9) x E-7	(-2.7 ± 0.4) x E-5