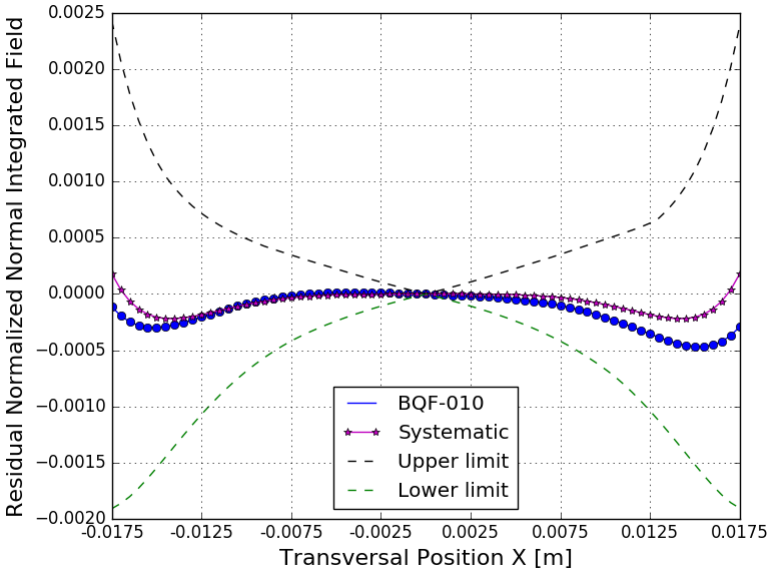
BQF-010

BOOSTER MAGNET REPORT

Results	
Date	04/04/2016
Hour	11:27:14
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0032 ± 0.0004)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.81711 ± 0.00002)
Magnet Center Offset X [μm] - (< ±160.0)	(128.81 ± 0.07)
Magnet Center Offset Y [μm] - (< ±160.0)	(76.64 ± 0.05)
Roll [mrad] - (< ±0.8)	(-2.53 ± 0.03) x E-1
Electric Parameters	
Indutance [mH]	8.238
Voltage [V]	0.487
Resistance [mΩ]	48.70
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)	(7.361 ± 0.004) x E-3	(4.379 ± 0.003) x E-3
2 (quadrupole)	(1.000000 ± 0.000003)	(-5.05 ± 0.02) x E-4
3 (sextupole)	(-9.7 ± 0.2) x E-5	(-9.49 ± 0.04) x E-4
4	(-1.16 ± 0.03) x E-4	(1.02 ± 0.03) x E-4
5	(-4.2 ± 0.3) x E-5	(1.8 ± 0.4) x E-5
6	(-1.141 ± 0.003) x E-3	(-6.2 ± 0.3) x E-5
7	(2.7 ± 0.3) x E-5	(-1.6 ± 0.3) x E-5
8	(1 ± 4) x E-6	(-3.9 ± 0.4) x E-5
9	(5.6 ± 0.4) x E-5	(6.4 ± 0.3) x E-5
10	(1.140 ± 0.004) x E-3	(1.9 ± 0.3) x E-5
11	(-2.1 ± 0.5) x E-5	(-9 ± 4) x E-6
12	(-5 ± 5) x E-6	(-1.7 ± 0.4) x E-5
13	(3 ± 5) x E-6	(-2 ± 5) x E-6
14	(-8.2 ± 0.4) x E-5	(7 ± 4) x E-6
15	(-1.6 ± 0.4) x E-5	(-5 ± 7) x E-6