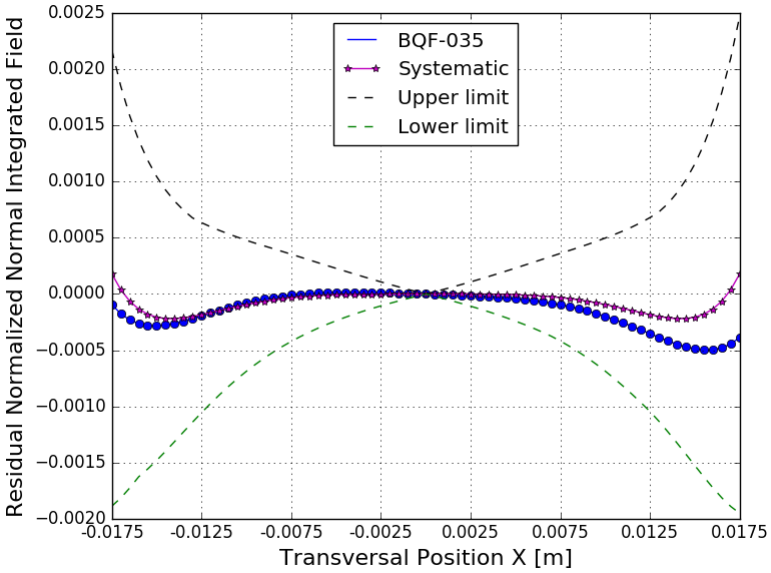
BQF-035

BOOSTER MAGNET REPORT

Results	
Date	05/04/2016
Hour	11:08:05
Temperature [°C]	21.6
Number of Measurements	17
Main Coil Current [A]	(130.0060 ± 0.0004)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.826482 ± 0.000010)
Magnet Center Offset X [μm] - (< ±160.0)	(19.27 ± 0.05)
Magnet Center Offset Y [μm] - (< ±160.0)	(-16.05 ± 0.06)
Roll [mrad] - (< ±0.8)	(-6.43 ± 0.02) x E-1
Electric Parameters	
Indutance [mH]	8.325
Voltage [V]	0.480
Resistance [mΩ]	48.00
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)	(1.101 ± 0.003) x E-3	(-9.17 ± 0.03) x E-4
2 (quadrupole)	(1.000000 ± 0.000002)	(-1.285 ± 0.002) x E-3
3 (sextupole)	(-9.3 ± 0.4) x E-5	(-4.54 ± 0.03) x E-4
4	(-7.3 ± 0.4) x E-5	(1.60 ± 0.03) x E-4
5	(-5.3 ± 0.4) x E-5	(-7 ± 4) x E-6
6	(-1.189 ± 0.004) x E-3	(-2 ± 3) x E-6
7	(4.0 ± 0.4) x E-5	(-10 ± 4) x E-6
8	(-2 ± 4) x E-6	(-3.3 ± 0.3) x E-5
9	(-6 ± 2) x E-6	(4.0 ± 0.4) x E-5
10	(1.106 ± 0.004) x E-3	(8 ± 6) x E-6
11	(-2.1 ± 0.4) x E-5	(-1.9 ± 0.4) x E-5
12	(6 ± 4) x E-6	(-1.0 ± 0.5) x E-5
13	(1.3 ± 0.3) x E-5	(2.5 ± 0.4) x E-5
14	(-8.8 ± 0.3) x E-5	(1.6 ± 0.4) x E-5
15	(-2.7 ± 0.5) x E-5	(-8 ± 4) x E-6