BQF-052

BOOSTER MAGNET REPORT

Results	
Date	06/04/2016
Hour	10:43:23
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0114 ± 0.0005)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.82156 ± 0.00006)
Magnet Center Offset X [μm] - (< ±160.0)	(15.1 ± 0.4)
Magnet Center Offset Y [μm] - (< ±160.0)	(-34.9 ± 0.2)
Roll [mrad] - (< ±0.8)	(-2.94 ± 0.08) x E-1
Electric Parameters	
Indutance [mH]	8.389
Voltage [V]	0.487
Resistance [mΩ]	48.70
Main Coil Number of Turns	26.25
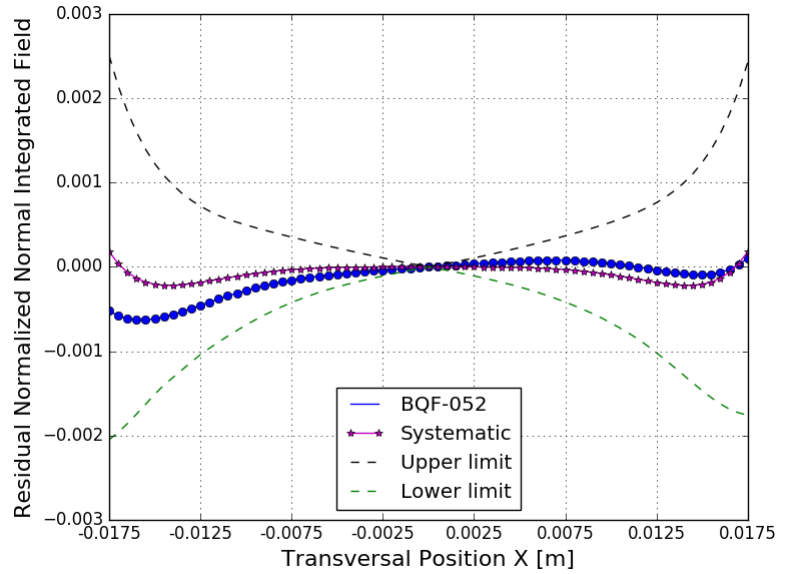
n	Normalized Normal Multipoles x=17.5 mm [T.m$^{(2-n)}$]	Normalized Skew Multipoles x=17.5 mm [T.m$^{(2-n)}$]
1 (dipole)	(8.6 ± 0.2) x E-4	(-1.99 ± 0.01) x E-3
2 (quadrupole)	(1.00000 ± 0.00001)	(-5.87 ± 0.05) x E-4
3 (sextupole)	(2.6 ± 0.1) x E-4	(-5.8 ± 0.2) x E-4
4	(-4.2 ± 15.8) x E-6	(1.4 ± 0.1) x E-4
5	(5 ± 1) x E-5	(-1 ± 2) x E-5
6	(-1.22 ± 0.01) x E-3	(-3 ± 2) x E-5
7	(3 ± 1) x E-5	(2 ± 1) x E-5
8	(-1 ± 1) x E-5	(-3 ± 2) x E-5
9	(-3 ± 1) x E-5	(2 ± 1) x E-5
10	(1.11 ± 0.01) x E-3	(-2 ± 2) x E-5
11	(3 ± 1) x E-5	(-3 ± 1) x E-5
12	(1.8 ± 1.0) x E-5	(2 ± 1) x E-5
13	(-2.7 ± 0.6) x E-5	(2 ± 1) x E-5
14	(-1.04 ± 0.07) x E-4	(-2.8 ± 0.5) x E-5
15	(2 ± 7) x E-6	(-6 ± 10) x E-6