



# BQF-007

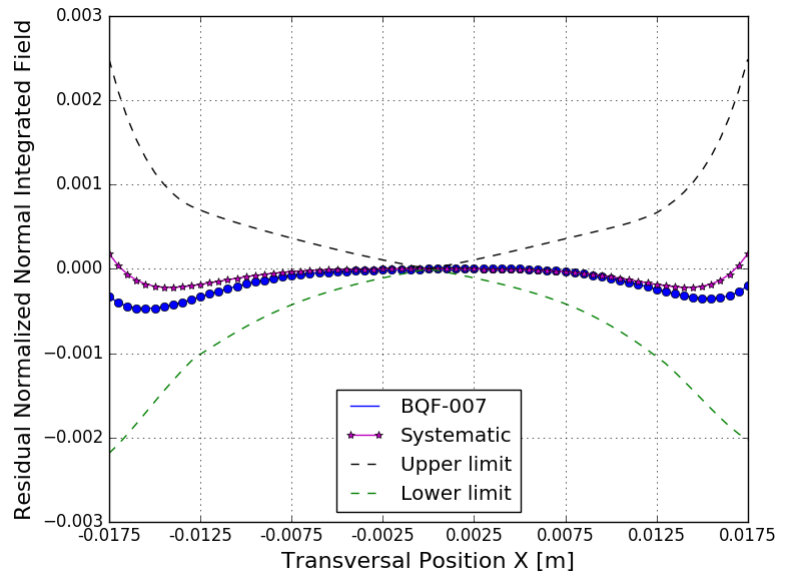
## BOOSTER MAGNET REPORT

### Results

Date	04/04/2016
Hour	15:42:33
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(129.9842 ± 0.0005)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.82250 ± 0.00002)
Magnet Center Offset X [μm] - (< ±160.0)	(12.7 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-32.82 ± 0.09)
Roll [mrad] - (< ±0.8)	(-5.45 ± 0.05) × E-1

### Electric Parameters

Inductance [mH]	8.249
Voltage [V]	0.462
Resistance [mΩ]	46.16
Main Coil Number of Turns	26.25



n	Normalized Normal Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(7.2 ± 0.1) × E-4	(-1.875 ± 0.005) × E-3
2 (quadrupole)	(1.000000 ± 0.000004)	(-1.090 ± 0.003) × E-3
3 (sextupole)	(5.5 ± 0.6) × E-5	(-8.14 ± 0.06) × E-4
4	(-8.9 ± 0.5) × E-5	(9.5 ± 0.5) × E-5
5	(6 ± 9) × E-6	(7.0 ± 0.8) × E-5
6	(-1.196 ± 0.005) × E-3	(1.4 ± 0.7) × E-5
7	(2.4 ± 0.4) × E-5	(-3 ± 8) × E-6
8	(-1.9 ± 0.6) × E-5	(-6.6 ± 0.8) × E-5
9	(2 ± 4) × E-6	(1 ± 7) × E-6
10	(1.111 ± 0.004) × E-3	(3.0 ± 0.6) × E-5
11	(-1.7 ± 0.7) × E-5	(-2.0 ± 0.7) × E-5
12	(-5 ± 6) × E-6	(-3.4 ± 0.6) × E-5
13	(6 ± 5) × E-6	(8 ± 7) × E-6
14	(-6.7 ± 0.7) × E-5	(2.0 ± 0.9) × E-5
15	(-1.3 ± 0.8) × E-5	(10 ± 7) × E-6

