



# BQF-017

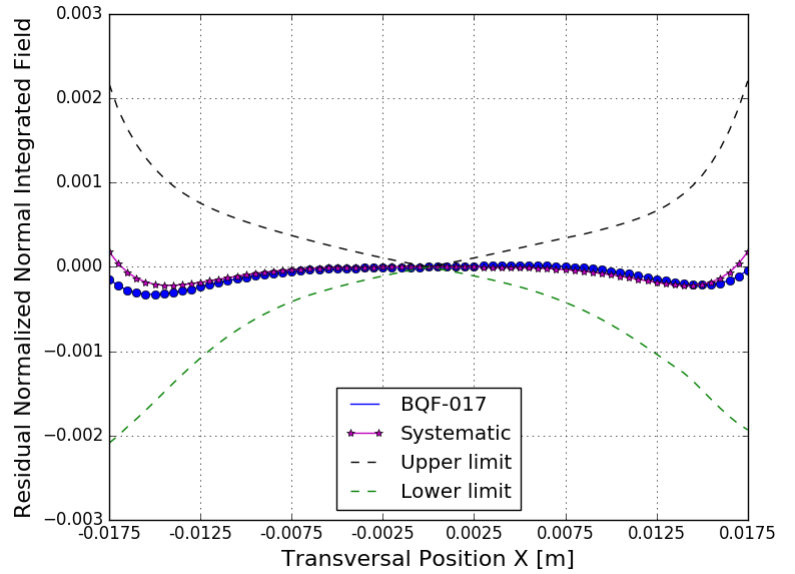
## BOOSTER MAGNET REPORT

### Results

Date	07/04/2016
Hour	12:32:50
Temperature [°C]	21.1
Number of Measurements	17
Main Coil Current [A]	(129.9981 ± 0.0005)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.82036 ± 0.00004)
Magnet Center Offset X [μm] - (< ±160.0)	(21.5 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-20.6 ± 0.2)
Roll [mrad] - (< ±0.8)	(-6.58 ± 0.10) × E-1

### Electric Parameters

Inductance [mH]	8.286
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 <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(1.23 ± 0.01) × E-3	(-1.179 ± 0.009) × E-3
2 (quadrupole)	(1.000000 ± 0.000009)	(-1.315 ± 0.007) × E-3
3 (sextupole)	(6.5 ± 0.8) × E-5	(-6.5 ± 0.1) × E-4
4	(8.7 ± 0.8) × E-5	(1.4 ± 0.1) × E-4
5	(-1.1 ± 0.8) × E-5	(-2.3 ± 1.0) × E-5
6	(-1.182 ± 0.010) × E-3	(8 ± 8) × E-6
7	(2.4 ± 0.4) × E-5	(-5 ± 7) × E-6
8	(-1.4 ± 0.5) × E-5	(-3.8 ± 1.0) × E-5
9	(-3 ± 6) × E-6	(3.0 ± 0.5) × E-5
10	(1.112 ± 0.006) × E-3	(-1.3 ± 0.9) × E-5
11	(7 ± 6) × E-6	(-3.6 ± 0.7) × E-5
12	(6 ± 4) × E-6	(-3 ± 5) × E-6
13	(-8 ± 5) × E-6	(2.7 ± 0.4) × E-5
14	(-1.01 ± 0.07) × E-4	(-3.08 ± 834.56) × E-8
15	(-2.1 ± 0.7) × E-5	(-2.2 ± 0.5) × E-5

