



# BQF-023

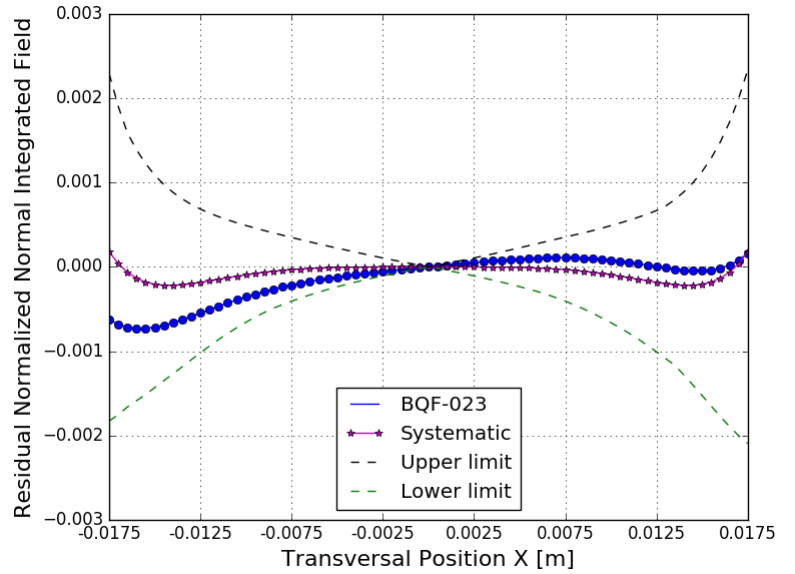
## BOOSTER MAGNET REPORT

### Results

Date	31/03/2016
Hour	16:45:40
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(129.9952 ± 0.0003)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-4.83175 ± 0.00001)
Magnet Center Offset X [μm] - (< ±160.0)	(23.33 ± 0.06)
Magnet Center Offset Y [μm] - (< ±160.0)	(-24.25 ± 0.06)
Roll [mrad] - (< ±0.8)	(-3.99 ± 0.02) × E-1

### Electric Parameters

Inductance [mH]	8.252
Voltage [V]	0.476
Resistance [mΩ]	47.60
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)	(1.333 ± 0.003) × E-3	(-1.386 ± 0.003) × E-3
2 (quadrupole)	(1.000000 ± 0.000002)	(-7.99 ± 0.01) × E-4
3 (sextupole)	(3.77 ± 0.04) × E-4	(-8.55 ± 0.04) × E-4
4	(-7.4 ± 0.1) × E-5	(5.6 ± 0.5) × E-5
5	(1.0 ± 0.3) × E-5	(7.4 ± 0.3) × E-5
6	(-1.174 ± 0.003) × E-3	(-1.4 ± 0.4) × E-5
7	(1.7 ± 0.3) × E-5	(1.1 ± 0.4) × E-5
8	(-1.2 ± 0.5) × E-5	(-5.8 ± 0.2) × E-5
9	(-4 ± 4) × E-6	(1.5 ± 0.4) × E-5
10	(1.114 ± 0.005) × E-3	(3.2 ± 0.5) × E-5
11	(-1.2 ± 0.4) × E-5	(-2.9 ± 0.5) × E-5
12	(-3 ± 7) × E-6	(-1.5 ± 0.4) × E-5
13	(1.4 ± 0.4) × E-5	(2 ± 5) × E-6
14	(-8.0 ± 0.6) × E-5	(1.6 ± 0.6) × E-5
15	(-1.0 ± 0.3) × E-5	(1.6 ± 0.5) × E-5

