



# BQF-024

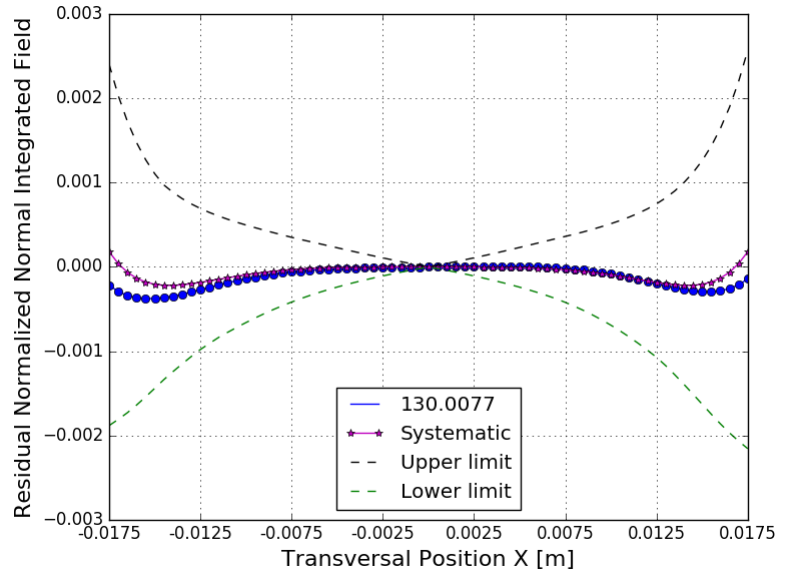
## BOOSTER MAGNET REPORT

### Results

Date	08/04/2016
Hour	08:55:40
Temperature [°C]	21.0
Number of Measurements	17
Main Coil Current [A]	(130.008 ± 0.007)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.82892 ± 0.00003)
Magnet Center Offset X [μm] - (< ±160.0)	(-1.95 ± 0.09)
Magnet Center Offset Y [μm] - (< ±160.0)	(-7.92 ± 0.04)
Roll [mrad] - (< ±0.8)	(-2.64 ± 0.02) × E-1

### Electric Parameters

Inductance [mH]	8.194
Voltage [V]	0.489
Resistance [mΩ]	3.761
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)	(-1.11 ± 0.05) × E-4	(-4.53 ± 0.03) × E-4
2 (quadrupole)	(1.000000 ± 0.000005)	(-5.27 ± 0.01) × E-4
3 (sextupole)	(5.6 ± 0.5) × E-5	(-1.143 ± 0.005) × E-3
4	(7 ± 3) × E-6	(7.0 ± 0.5) × E-5
5	(-2.8 ± 0.4) × E-5	(4.1 ± 0.4) × E-5
6	(-1.183 ± 0.003) × E-3	(-1.5 ± 0.6) × E-5
7	(4.5 ± 0.3) × E-5	(4.0 ± 0.5) × E-5
8	(-3.5 ± 0.6) × E-5	(-2.1 ± 0.3) × E-5
9	(-3.3 ± 0.6) × E-5	(-5 ± 5) × E-6
10	(1.120 ± 0.006) × E-3	(-1.3 ± 0.5) × E-5
11	(1.5 ± 0.8) × E-5	(-2 ± 5) × E-6
12	(1.5 ± 72.1) × E-7	(9 ± 9) × E-6
13	(-1.7 ± 0.6) × E-5	(2.0 ± 0.8) × E-5
14	(-9.1 ± 0.6) × E-5	(-1.7 ± 0.7) × E-5
15	(9.64 ± 824.25) × E-8	(5 ± 6) × E-6

