



BQF-027

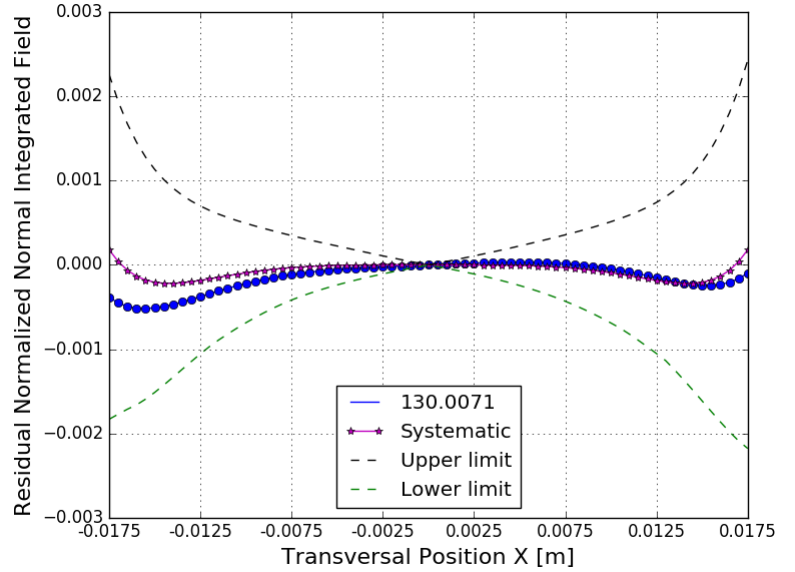
BOOSTER MAGNET REPORT

Results

Date	11/04/2016
Hour	15:11:36
Temperature [°C]	21.2
Number of Measurements	17
Main Coil Current [A]	(130.0071 ± 0.0004)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-4.821660 ± 0.000008)
Magnet Center Offset X [μm] - (< ±160.0)	(20.02 ± 0.06)
Magnet Center Offset Y [μm] - (< ±160.0)	(-39.30 ± 0.07)
Roll [mrad] - (< ±0.8)	(-3.13 ± 0.04) × E-1

Electric Parameters

Inductance [mH]	8.311
Voltage [V]	0.48
Resistance [mΩ]	3.692
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)	(1.144 ± 0.003) × E-3	(-2.246 ± 0.004) × E-3
2 (quadrupole)	(1.000000 ± 0.000002)	(-6.26 ± 0.02) × E-4
3 (sextupole)	(1.53 ± 0.03) × E-4	(-2.88 ± 0.04) × E-4
4	(-5.6 ± 0.2) × E-5	(1.43 ± 0.05) × E-4
5	(-4 ± 3) × E-6	(-2.6 ± 0.3) × E-5
6	(-1.176 ± 0.004) × E-3	(8.5 ± 29.1) × E-7
7	(3.0 ± 0.3) × E-5	(-2.9 ± 0.4) × E-5
8	(-1.2 ± 0.5) × E-5	(-5.1 ± 0.4) × E-5
9	(-2.0 ± 0.4) × E-5	(5 ± 6) × E-6
10	(1.090 ± 0.004) × E-3	(-1 ± 6) × E-6
11	(8 ± 5) × E-6	(-1.6 ± 0.5) × E-5
12	(3 ± 6) × E-6	(1.1 ± 0.6) × E-5
13	(-1.6 ± 0.3) × E-5	(1.9 ± 0.5) × E-5
14	(-9.1 ± 0.4) × E-5	(-9 ± 5) × E-6
15	(-6 ± 4) × E-6	(-1.2 ± 0.6) × E-5

