



Q30-010

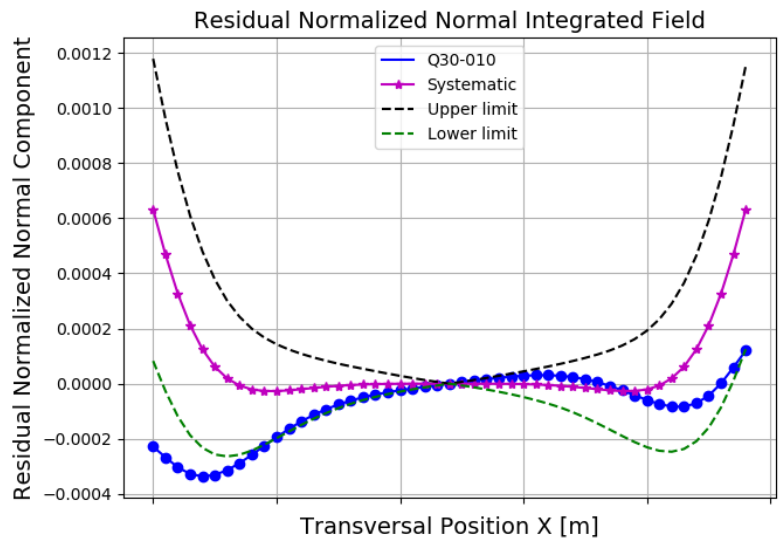
STORAGE RING MAGNET REPORT

Results

Date	27/04/2018
Hour	17:55:53
Temperature [°C]	23.26
Number of Measurements	9
Main Coil Current [A]	(154.9957 ± 0.0005)
Trim Coil Current [A]	(0 ± 0)
CH Coil Current [A]	(0 ± 0)
CV Coil Current [A]	(0 ± 0)
QS Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-13.62621 ± 0.00004)
Magnet Center Offset X [μm] - (< ±40.0)	(-5.9 ± 0.2) × E-1
Magnet Center Offset Y [μm] - (< ±40.0)	(-8.02 ± 0.05)
Roll [mrad] - (< ±0.3)	(-3.60 ± 0.03) × E-1

Electric Parameters

Inductance [mH]	9.24
Voltage [V]	7.4863
Resistance [mΩ]	48.3
Main Coil Number of Turns	23.25



n	Normalized Normal Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]
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1 (dipole)	(4.9 ± 0.2) × E-5	(6.69 ± 0.05) × E-4
2 (quadrupole)	(1.000000 ± 0.000004)	(-7.20 ± 0.05) × E-4
3 (sextupole)	(1.35 ± 0.02) × E-4	(1.2 ± 0.5) × E-5
4	(-2.0 ± 0.4) × E-5	(1.2 ± 0.4) × E-5
5	(2.6 ± 0.4) × E-5	(-4 ± 3) × E-6
6	(-1.082 ± 0.004) × E-3	(1.19 ± 0.05) × E-4
7	(9 ± 5) × E-6	(-3 ± 8) × E-6
8	(5 ± 6) × E-6	(-8 ± 7) × E-6
9	(4 ± 7) × E-6	(10 ± 8) × E-6
10	(1.771 ± 0.007) × E-3	(-6.1 ± 0.7) × E-5
11	(-3.4 ± 47.8) × E-7	(3 ± 4) × E-6
12	(-3 ± 5) × E-6	(-5.2 ± 77.3) × E-7
13	(-2 ± 9) × E-6	(-6 ± 8) × E-6
14	(-7.25 ± 0.08) × E-4	(2.0 ± 0.5) × E-5
15	(2 ± 6) × E-6	(2 ± 6) × E-6

