



Q20-002

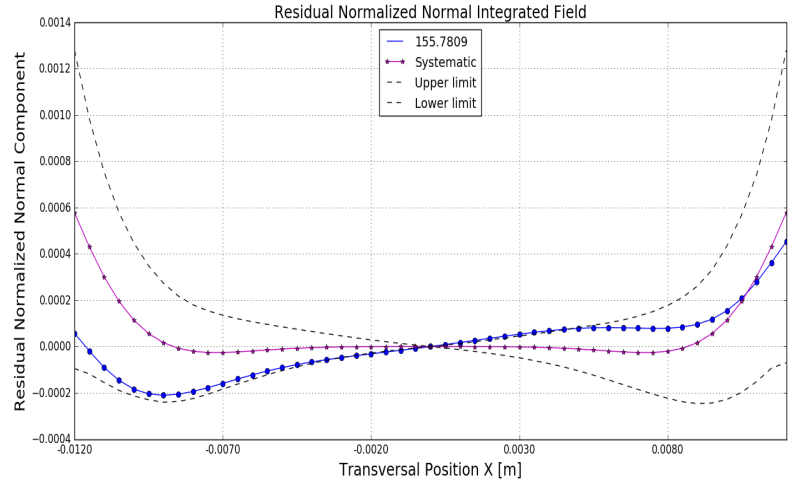
STORAGE RING MAGNET REPORT

Results

Date	23/05/2017
Hour	09:18:52
Temperature [°C]	24.0
Number of Measurements	17
Main Coil Current [A]	(155.7809 ± 0.0006)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(9.0829 ± 0.0002)
Magnet Center Offset X [μm] - (< ±30.0)	(-1.5 ± 0.4)
Magnet Center Offset Y [μm] - (< ±30.0)	(-4.1 ± 0.5)
Roll [mrad] - (< ±0.2)	(-8 ± 8) × E-3

Electric Parameters

Indutance [mH]	9.263
Voltage [V]	3.407
Main Coil Maximum Current [A]	155.7809
Main Coil Number of Turns	23.5



n	Normalized Normal Multipoles x=0.0 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=0.0 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(-1.3 ± 0.3) × E-4	(-3.4 ± 0.4) × E-4
2 (quadrupole)	(1.00000 ± 0.00002)	(-2 ± 2) × E-5
3 (sextupole)	(2.0 ± 0.3) × E-4	(-2.7 ± 17.3) × E-6
4	(9 ± 2) × E-5	(3.9 ± 18.4) × E-6
5	(1.8 ± 0.5) × E-5	(5 ± 1) × E-5
6	(-8.0 ± 0.1) × E-4	(7 ± 1) × E-5
7	(-2 ± 2) × E-5	(7.84 ± 119.36) × E-7
8	(-2 ± 1) × E-5	(-3.2 ± 0.8) × E-5
9	(-7.8 ± 12.6) × E-6	(-1.5 ± 11.8) × E-6
10	(1.66 ± 0.01) × E-3	(-3 ± 1) × E-5
11	(1.9 ± 10.7) × E-6	(-6.0 ± 11.3) × E-6
12	(1 ± 1) × E-5	(-1.2 ± 10.3) × E-6
13	(5.0 ± 65.6) × E-7	(-1.30 ± 121.73) × E-7
14	(-7.0 ± 0.1) × E-4	(-2.0 ± 12.9) × E-6
15	(1 ± 10) × E-6	(2 ± 1) × E-5

