



Q20-003

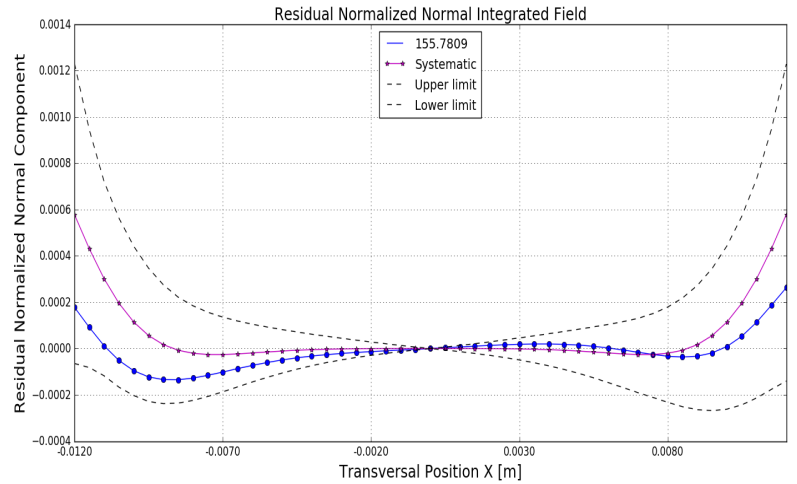
STORAGE RING MAGNET REPORT

Results

Date	23/05/2017
Hour	10:56:32
Temperature [°C]	24.0
Number of Measurements	17
Main Coil Current [A]	(155.7809 ± 0.0008)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-9.0877 ± 0.0004)
Magnet Center Offset X [μm] - (< ±30.0)	(-6 ± 7) × E-1
Magnet Center Offset Y [μm] - (< ±30.0)	(2 ± 6) × E-1
Roll [mrad] - (< ±0.2)	(-8 ± 1) × E-2

Electric Parameters

Indutance [mH]	9.2255
Voltage [V]	3.440
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)	(-5 ± 6) × E-5	(1 ± 5) × E-5
2 (quadrupole)	(1.00000 ± 0.00004)	(-1.5 ± 0.2) × E-4
3 (sextupole)	(8 ± 3) × E-5	(-6 ± 2) × E-5
4	(3 ± 2) × E-5	(4 ± 1) × E-5
5	(-2 ± 1) × E-5	(5 ± 1) × E-5
6	(-7.6 ± 0.1) × E-4	(6 ± 1) × E-5
7	(-2.1 ± 11.8) × E-6	(2 ± 1) × E-5
8	(-5 ± 9) × E-6	(-2 ± 1) × E-5
9	(2.3 ± 10.2) × E-6	(-6.4 ± 15.3) × E-6
10	(1.67 ± 0.01) × E-3	(-1 ± 1) × E-5
11	(-2 ± 10) × E-6	(-6 ± 8) × E-6
12	(3.1 ± 11.2) × E-6	(9.6 ± 13.0) × E-6
13	(-1.3 ± 0.8) × E-5	(6 ± 6) × E-6
14	(-7.1 ± 0.1) × E-4	(-5 ± 9) × E-6
15	(-2 ± 8) × E-6	(1.3 ± 10.8) × E-6

