



Q20-003

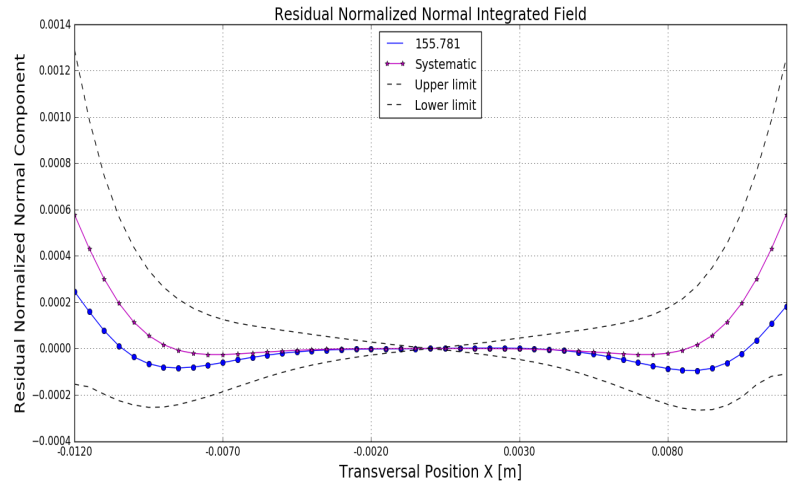
STORAGE RING MAGNET REPORT

Results

Date	22/05/2017
Hour	14:59:51
Temperature [°C]	24.0
Number of Measurements	17
Main Coil Current [A]	(155.7810 ± 0.0009)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(-9.0857 ± 0.0002)
Magnet Center Offset X [μm] - (< ±30.0)	(-7 ± 6) × E-1
Magnet Center Offset Y [μm] - (< ±30.0)	(-2.7 ± 0.6)
Roll [mrad] - (< ±0.2)	(-7 ± 1) × E-2

Electric Parameters

Inductance [mH]	
Voltage [V]	
Main Coil Maximum Current [A]	
Main Coil Number of Turns	



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)	(-6 ± 5) × E-5	(-2.2 ± 0.5) × E-4
2 (quadrupole)	(1.00000 ± 0.00003)	(-1.5 ± 0.3) × E-4
3 (sextupole)	(1 ± 3) × E-5	(1 ± 3) × E-5
4	(2 ± 2) × E-5	(5 ± 2) × E-5
5	(-4 ± 2) × E-5	(5 ± 2) × E-5
6	(-7.71 ± 0.08) × E-4	(7 ± 1) × E-5
7	(7.97 ± 108.96) × E-7	(1 ± 1) × E-5
8	(-8 ± 10) × E-6	(-3 ± 1) × E-5
9	(-2.5 ± 11.2) × E-6	(-2 ± 2) × E-5
10	(1.670 ± 0.010) × E-3	(-1 ± 2) × E-5
11	(1 ± 8) × E-6	(-2 ± 1) × E-5
12	(6 ± 6) × E-6	(-1.9 ± 12.2) × E-6
13	(-1.2 ± 0.5) × E-5	(9.6 ± 92.7) × E-7
14	(-7.0 ± 0.1) × E-4	(-1 ± 1) × E-5
15	(6 ± 8) × E-6	(9.0 ± 14.2) × E-6

