



Q20-003

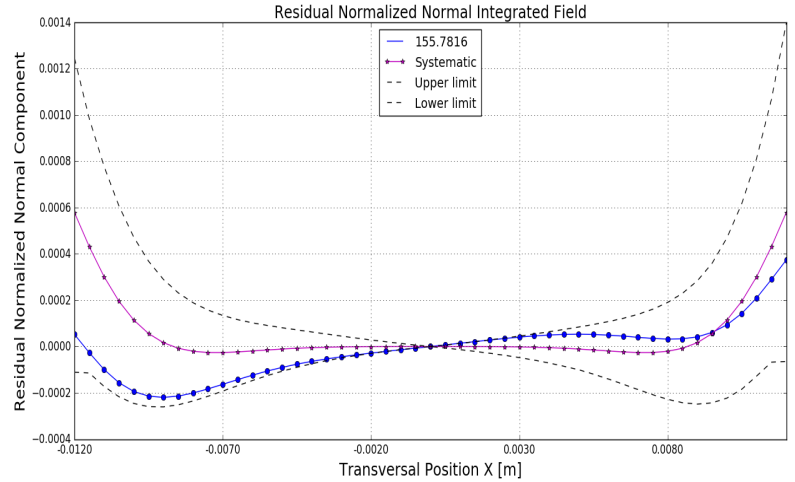
STORAGE RING MAGNET REPORT

Results

Date	22/05/2017
Hour	14:35:00
Temperature [°C]	24.0
Number of Measurements	17
Main Coil Current [A]	(155.7816 ± 0.0010)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T]	(9.0853 ± 0.0003)
Magnet Center Offset X [μm] - (< ±30.0)	(-5.3 ± 0.6)
Magnet Center Offset Y [μm] - (< ±30.0)	(-5.3 ± 0.6)
Roll [mrad] - (< ±0.2)	(7.2 ± 0.7) × E-2

Electric Parameters

Indutance [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)	(-4.4 ± 0.5) × E-4	(-4.5 ± 0.5) × E-4
2 (quadrupole)	(1.00000 ± 0.00003)	(1.4 ± 0.2) × E-4
3 (sextupole)	(1.7 ± 0.3) × E-4	(4 ± 2) × E-5
4	(2 ± 2) × E-5	(1.9 ± 1.0) × E-5
5	(2 ± 1) × E-5	(4.2 ± 0.9) × E-5
6	(-7.7 ± 0.1) × E-4	(6 ± 2) × E-5
7	(-8 ± 7) × E-6	(8.4 ± 14.1) × E-6
8	(-3 ± 7) × E-6	(-3 ± 1) × E-5
9	(-1.6 ± 0.7) × E-5	(-10 ± 9) × E-6
10	(1.664 ± 0.008) × E-3	(3 ± 8) × E-6
11	(-1.8 ± 13.6) × E-6	(-1 ± 1) × E-5
12	(8 ± 7) × E-6	(1.9 ± 10.4) × E-6
13	(-5 ± 6) × E-6	(-2.5 ± 10.5) × E-6
14	(-7.04 ± 0.08) × E-4	(-5.2 ± 10.5) × E-6
15	(3 ± 9) × E-6	(9 ± 4) × E-6

