



Q20-114

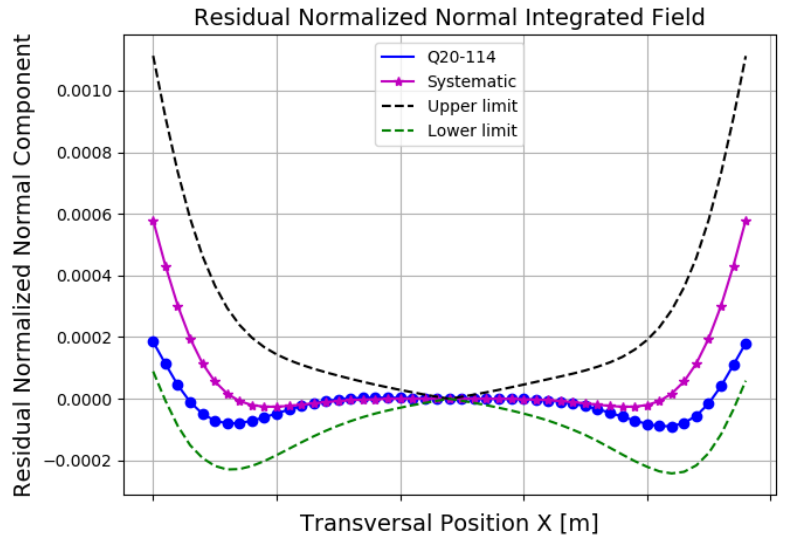
STORAGE RING MAGNET REPORT

Results

Date	22/05/2018
Hour	16:23:38
Temperature [°C]	23.05
Number of Measurements	9
Main Coil Current [A]	(157.5579 ± 0.0002)
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]	(-9.10264 ± 0.00003)
Magnet Center Offset X [μm] - (< ±40.0)	(7.16 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(-2.31 ± 0.05)
Roll [mrad] - (< ±0.3)	(1.2 ± 0.1) × E-2

Electric Parameters

Inductance [mH]	8.9467
Voltage [V]	5.42
Resistance [mΩ]	34.4
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⁾]
1 (dipole)	(-5.97 ± 0.02) × E-4	(1.93 ± 0.04) × E-4
2 (quadrupole)	(1.000000 ± 0.000005)	(2.5 ± 0.3) × E-5
3 (sextupole)	(-10 ± 2) × E-6	(3.55 ± 0.04) × E-4
4	(7.3 ± 0.3) × E-5	(-6.2 ± 0.4) × E-5
5	(-6 ± 2) × E-6	(-6.5 ± 0.3) × E-5
6	(-8.57 ± 0.03) × E-4	(6.9 ± 0.3) × E-5
7	(2.5 ± 0.4) × E-5	(-9 ± 3) × E-6
8	(3.1 ± 45.0) × E-7	(-5 ± 3) × E-6
9	(-1 ± 2) × E-6	(1.3 ± 0.4) × E-5
10	(1.677 ± 0.004) × E-3	(-3.7 ± 0.2) × E-5
11	(-2 ± 4) × E-6	(2 ± 3) × E-6
12	(4.52 ± 321.96) × E-8	(8 ± 6) × E-6
13	(-2 ± 2) × E-6	(-5 ± 3) × E-6
14	(-7.11 ± 0.03) × E-4	(1.1 ± 0.3) × E-5
15	(-7 ± 4) × E-6	(1 ± 2) × E-6

