



Q20-122

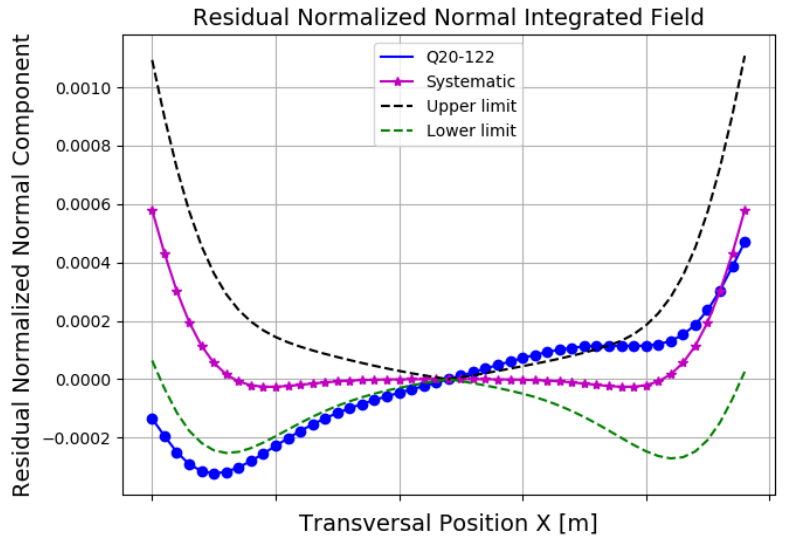
STORAGE RING MAGNET REPORT

Results

Date	16/05/2018
Hour	11:14:29
Temperature [°C]	23.63
Number of Measurements	9
Main Coil Current [A]	(157.5574 ± 0.0006)
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]	(-9.08835 ± 0.00004)
Magnet Center Offset X [μm] - (< ±40.0)	(4.48 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(3.60 ± 0.05)
Roll [mrad] - (< ±0.3)	(-2.4 ± 0.3) x 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)	(-3.74 ± 0.03) x E-4	(-3.00 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000006)	(-4.9 ± 0.6) x E-5
3 (sextupole)	(2.85 ± 0.04) x E-4	(1.28 ± 0.05) x E-4
4	(6.6 ± 0.3) x E-5	(-5.5 ± 0.5) x E-5
5	(2.6 ± 0.5) x E-5	(-5 ± 6) x E-6
6	(-8.66 ± 0.04) x E-4	(5.4 ± 0.6) x E-5
7	(7.6 ± 66.8) x E-7	(-8 ± 6) x E-6
8	(-4 ± 4) x E-6	(-2 ± 6) x E-6
9	(-7 ± 6) x E-6	(-3 ± 5) x E-6
10	(1.663 ± 0.005) x E-3	(-2.0 ± 0.7) x E-5
11	(-3 ± 4) x E-6	(4 ± 6) x E-6
12	(4 ± 5) x E-6	(6 ± 7) x E-6
13	(1.8 ± 43.2) x E-7	(4 ± 5) x E-6
14	(-6.95 ± 0.07) x E-4	(3 ± 7) x E-6
15	(-9.47 ± 450.85) x E-8	(-2 ± 6) x E-6

