



S15-092

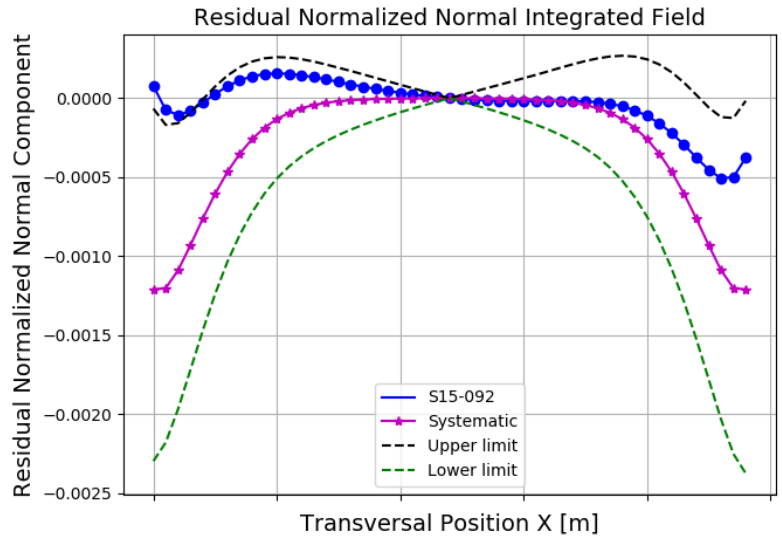
STORAGE RING MAGNET REPORT

Results

Date	13/08/2018
Hour	14:04:04
Temperature [°C]	23.387
Number of Measurements	9
Main Coil Current [A]	(167.799 ± 0.003)
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/m]	(-359.981 ± 0.001)
Magnet Center Offset X [μm] - (< ±40.0)	(3.24 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(17.06 ± 0.02)
Roll [mrad] - (< ±0.3)	(2.50 ± 0.01) x E-1

Electric Parameters

Inductance [mH]	3.157
Voltage [V]	6.0106
Resistance [mΩ]	35.82
Main Coil Number of Turns	11.25



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)	(-8.53 ± 0.09) x E-4	(5.0 ± 0.2) x E-5
2 (quadrupole)	(-5.40 ± 0.03) x E-4	(-2.843 ± 0.003) x E-3
3 (sextupole)	(1.000000 ± 0.000004)	(7.50 ± 0.03) x E-4
4	(-1.47 ± 0.04) x E-4	(2.94 ± 0.03) x E-4
5	(3.26 ± 0.02) x E-4	(1.38 ± 0.04) x E-4
6	(-9.1 ± 0.2) x E-5	(-3.4 ± 0.5) x E-5
7	(1.28 ± 0.02) x E-4	(-5.3 ± 0.3) x E-5
8	(-8 ± 3) x E-6	(-1.2 ± 34.8) x E-7
9	(-1.894 ± 0.003) x E-3	(7.1 ± 0.4) x E-5
10	(1.9 ± 0.5) x E-5	(-3 ± 4) x E-6
11	(1 ± 3) x E-6	(-1.8 ± 0.4) x E-5
12	(-8.27 ± 405.36) x E-8	(5 ± 4) x E-6
13	(-1.7 ± 0.3) x E-5	(1.2 ± 0.5) x E-5
14	(2 ± 3) x E-6	(-2.2 ± 0.3) x E-5
15	(1.306 ± 0.005) x E-3	(3 ± 4) x E-6

