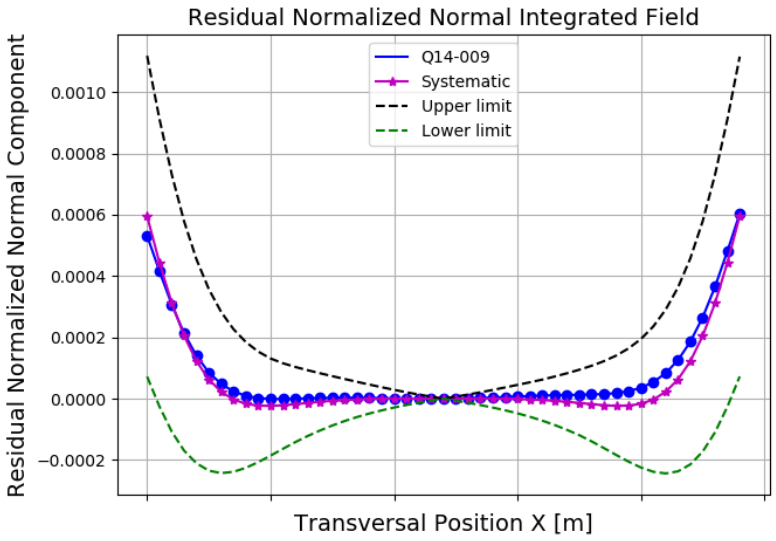
Q14-009

STORAGE RING MAGNET REPORT

Results	
Date	06/04/2018
Hour	18:06:49
Temperature [°C]	23.6
Number of Measurements	9
Main Coil Current [A]	(147.9954 ± 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]	(-5.24197 ± 0.00001)
Magnet Center Offset X [μm] - (< ±40.0)	(6.66 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(4.4 ± 0.4) x E-1
Roll [mrad] - (< ±0.3)	(-2.44 ± 0.01) x E-1
Electric Parameters	
Indutance [mH]	4.781
Voltage [V]	4.4843
Resistance [mΩ]	30.3
Main Coil Number of Turns	20.0



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)	(-5.55 ± 0.03) x E-4	(-3.7 ± 0.3) x E-5
2 (quadrupole)	(1.000000 ± 0.000004)	(-4.88 ± 0.02) x E-4
3 (sextupole)	(8 ± 3) x E-6	(-7.3 ± 0.2) x E-5
4	(10.0 ± 0.2) x E-5	(-3.4 ± 0.3) x E-5
5	(2.1 ± 0.1) x E-5	(2.0 ± 0.3) x E-5
6	(-3.85 ± 0.02) x E-4	(2.3 ± 0.3) x E-5
7	(1.5 ± 0.2) x E-5	(2 ± 2) x E-6
8	(-8 ± 3) x E-6	(-5 ± 4) x E-6
9	(-3 ± 3) x E-6	(-6.6 ± 27.7) x E-7
10	(1.535 ± 0.002) x E-3	(7.6 ± 34.9) x E-7
11	(-4 ± 2) x E-6	(-3.8 ± 24.5) x E-7
12	(3 ± 2) x E-6	(8 ± 2) x E-6
13	(10.0 ± 32.3) x E-7	(2 ± 3) x E-6
14	(-6.78 ± 0.03) x E-4	(-1.3 ± 0.2) x E-5
15	(-1 ± 2) x E-6	(5.9 ± 21.6) x E-7