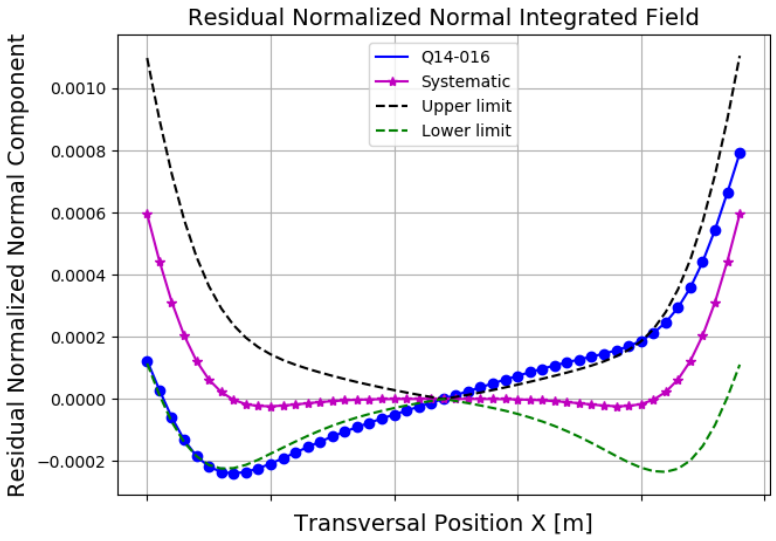
Q14-016

STORAGE RING MAGNET REPORT

Results	
Date	11/04/2018
Hour	17:39:51
Temperature [°C]	23.9
Number of Measurements	9
Main Coil Current [A]	(147.9947 ± 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]	(-5.23681 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(-7.12 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(3.44 ± 0.04)
Roll [mrad] - (< ±0.3)	(-4.39 ± 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)	(5.94 ± 0.02) x E-4	(-2.87 ± 0.03) x E-4
2 (quadrupole)	(1.000000 ± 0.000005)	(-8.77 ± 0.03) x E-4
3 (sextupole)	(3.00 ± 0.02) x E-4	(-2.0 ± 0.4) x E-5
4	(6 ± 2) x E-6	(-2.7 ± 0.3) x E-5
5	(3.6 ± 0.3) x E-5	(2.5 ± 0.4) x E-5
6	(-4.09 ± 0.03) x E-4	(2.8 ± 0.4) x E-5
7	(7 ± 2) x E-6	(-2 ± 2) x E-6
8	(-3 ± 4) x E-6	(4 ± 4) x E-6
9	(-4 ± 4) x E-6	(-1.1 ± 0.3) x E-5
10	(1.528 ± 0.003) x E-3	(-9 ± 4) x E-6
11	(-8 ± 3) x E-6	(-1 ± 3) x E-6
12	(3 ± 3) x E-6	(1 ± 4) x E-6
13	(2 ± 3) x E-6	(6 ± 5) x E-6
14	(-6.68 ± 0.02) x E-4	(-8 ± 3) x E-6
15	(9.8 ± 23.7) x E-7	(4.8 ± 30.9) x E-7