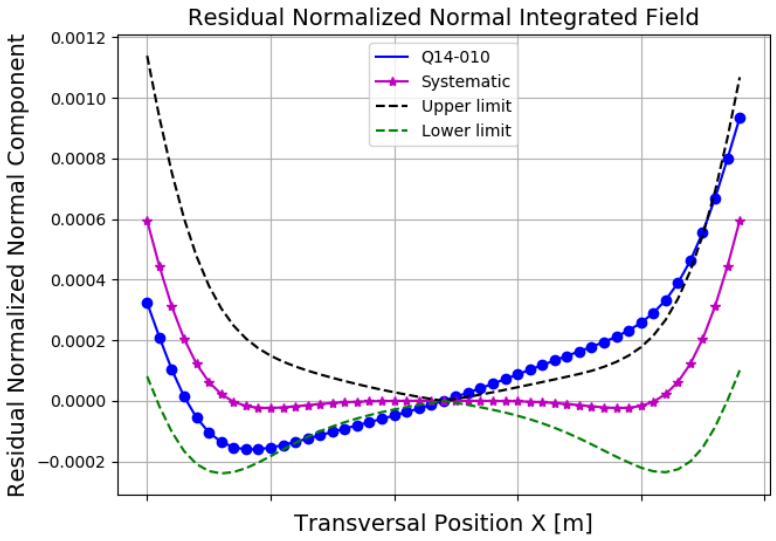
Q14-010

STORAGE RING MAGNET REPORT

Results	
Date	05/04/2018
Hour	10:26:27
Temperature [°C]	23.6
Number of Measurements	9
Main Coil Current [A]	(147.9956 ± 0.0005)
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]	(-5.23496 ± 0.00001)
Magnet Center Offset X [μm] - (< ±40.0)	(-2.4 ± 0.6) x E-1
Magnet Center Offset Y [μm] - (< ±40.0)	(4.03 ± 0.03)
Roll [mrad] - (< ±0.3)	(-3.37 ± 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)	(2.0 ± 0.5) x E-5	(-3.35 ± 0.02) x E-4
2 (quadrupole)	(1.000000 ± 0.000003)	(-6.74 ± 0.03) x E-4
3 (sextupole)	(3.14 ± 0.03) x E-4	(1.83 ± 0.04) x E-4
4	(1.60 ± 0.03) x E-4	(-6.4 ± 0.6) x E-5
5	(6.3 ± 32.8) x E-7	(-2.6 ± 0.3) x E-5
6	(-3.89 ± 0.02) x E-4	(1.1 ± 0.5) x E-5
7	(-6 ± 4) x E-6	(-1.2 ± 0.3) x E-5
8	(-7 ± 6) x E-6	(-5 ± 4) x E-6
9	(-3 ± 5) x E-6	(1 ± 5) x E-6
10	(1.536 ± 0.004) x E-3	(-1 ± 4) x E-6
11	(-2 ± 4) x E-6	(2 ± 4) x E-6
12	(7 ± 6) x E-6	(1.0 ± 0.4) x E-5
13	(2 ± 3) x E-6	(-2 ± 3) x E-6
14	(-6.79 ± 0.03) x E-4	(-1.2 ± 0.4) x E-5
15	(-3.5 ± 50.9) x E-7	(-5.3 ± 30.4) x E-7