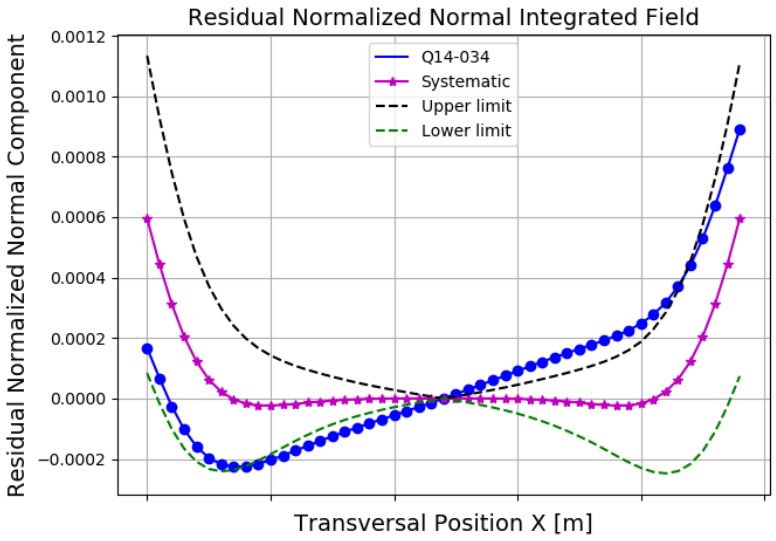
Q14-034

STORAGE RING MAGNET REPORT

Results	
Date	26/04/2018
Hour	09:21:31
Temperature [°C]	23.39
Number of Measurements	9
Main Coil Current [A]	(147.9968 ± 0.0009)
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]	(-5.23913 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(-14.59 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(2.1 ± 1.0) x E-1
Roll [mrad] - (< ±0.3)	(-3.81 ± 0.03) 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)	(1.216 ± 0.003) x E-3	(-1.8 ± 0.8) x E-5
2 (quadrupole)	(1.000000 ± 0.000005)	(-7.63 ± 0.07) x E-4
3 (sextupole)	(3.46 ± 0.03) x E-4	(4.8 ± 0.4) x E-5
4	(9.5 ± 0.2) x E-5	(-5.3 ± 0.5) x E-5
5	(1.8 ± 0.4) x E-5	(2 ± 5) x E-6
6	(-4.33 ± 0.05) x E-4	(6.6 ± 0.3) x E-5
7	(-4 ± 3) x E-6	(4 ± 4) x E-6
8	(-3 ± 4) x E-6	(-3 ± 3) x E-6
9	(1.5 ± 0.5) x E-5	(-6 ± 6) x E-6
10	(1.547 ± 0.006) x E-3	(-3.9 ± 0.4) x E-5
11	(-4 ± 3) x E-6	(-2 ± 4) x E-6
12	(-9.85 ± 325.91) x E-8	(1.0 ± 0.4) x E-5
13	(-1.1 ± 0.5) x E-5	(10 ± 4) x E-6
14	(-6.77 ± 0.07) x E-4	(1.1 ± 0.6) x E-5
15	(1 ± 3) x E-6	(-2 ± 5) x E-6