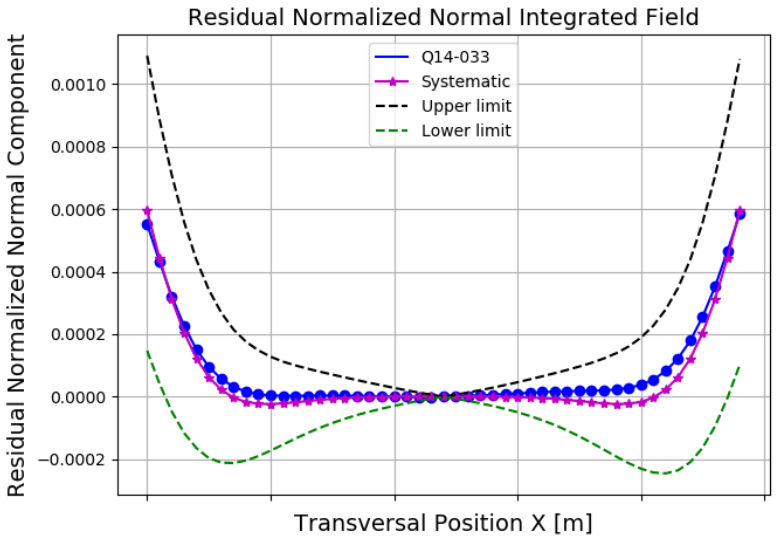
Q14-033

STORAGE RING MAGNET REPORT

Results	
Date	13/04/2018
Hour	10:17:52
Temperature [°C]	23.6
Number of Measurements	9
Main Coil Current [A]	(147.9956 ± 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]	(-5.23630 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(2.33 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(12.41 ± 0.07)
Roll [mrad] - (< ±0.3)	(-3.26 ± 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)	(-1.94 ± 0.05) x E-4	(-1.034 ± 0.006) x E-3
2 (quadrupole)	(1.000000 ± 0.000005)	(-6.52 ± 0.06) x E-4
3 (sextupole)	(1.8 ± 0.3) x E-5	(4.64 ± 0.07) x E-4
4	(1.26 ± 0.04) x E-4	(-4.7 ± 0.5) x E-5
5	(-9 ± 5) x E-6	(-5.8 ± 0.4) x E-5
6	(-4.19 ± 0.02) x E-4	(4.7 ± 0.6) x E-5
7	(1.0 ± 0.6) x E-5	(-1.3 ± 0.6) x E-5
8	(-1.2 ± 0.4) x E-5	(-2 ± 6) x E-6
9	(8 ± 7) x E-6	(8 ± 7) x E-6
10	(1.543 ± 0.007) x E-3	(-1.7 ± 0.5) x E-5
11	(-4 ± 5) x E-6	(-3.8 ± 53.1) x E-7
12	(5 ± 5) x E-6	(1 ± 6) x E-6
13	(-8 ± 5) x E-6	(-3 ± 4) x E-6
14	(-6.75 ± 0.04) x E-4	(-5 ± 6) x E-6
15	(4.6 ± 64.9) x E-7	(-8.3 ± 38.8) x E-7