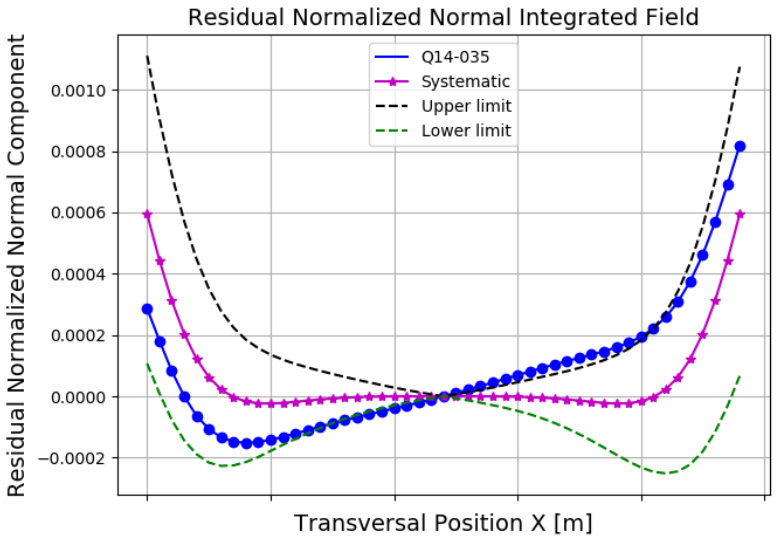
Q14-035

STORAGE RING MAGNET REPORT

Results	
Date	24/04/2018
Hour	16:29:57
Temperature [°C]	23.3
Number of Measurements	9
Main Coil Current [A]	(147.9962 ± 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]	(-5.23685 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(-6.39 ± 0.04)
Magnet Center Offset Y [μm] - (< ±40.0)	(4.82 ± 0.09)
Roll [mrad] - (< ±0.3)	(-2.08 ± 0.04) 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)	(5.33 ± 0.03) x E-4	(-4.02 ± 0.07) x E-4
2 (quadrupole)	(1.000000 ± 0.000004)	(-4.16 ± 0.07) x E-4
3 (sextupole)	(2.55 ± 0.02) x E-4	(4.26 ± 0.04) x E-4
4	(1.09 ± 0.02) x E-4	(-4.9 ± 0.6) x E-5
5	(1.1 ± 0.4) x E-5	(-4.7 ± 0.6) x E-5
6	(-4.14 ± 0.03) x E-4	(5.0 ± 0.6) x E-5
7	(2.9 ± 50.1) x E-7	(-2.1 ± 0.4) x E-5
8	(-5 ± 5) x E-6	(5 ± 7) x E-6
9	(5 ± 3) x E-6	(8 ± 6) x E-6
10	(1.536 ± 0.005) x E-3	(-3.0 ± 0.5) x E-5
11	(-3 ± 6) x E-6	(7 ± 5) x E-6
12	(3 ± 5) x E-6	(5 ± 6) x E-6
13	(-9.5 ± 26.8) x E-7	(-4 ± 4) x E-6
14	(-6.77 ± 0.05) x E-4	(5 ± 5) x E-6
15	(-1 ± 3) x E-6	(-3 ± 4) x E-6