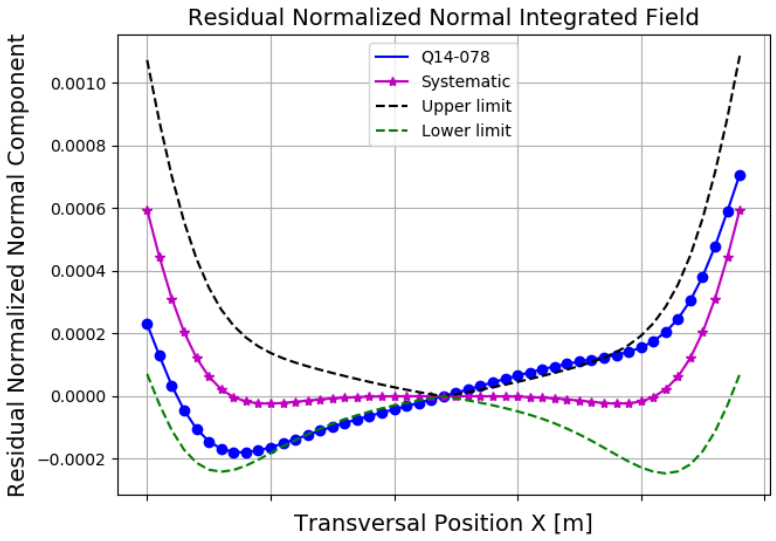
Q14-078

STORAGE RING MAGNET REPORT

Results	
Date	05/04/2018
Hour	16:04:04
Temperature [°C]	23.8
Number of Measurements	9
Main Coil Current [A]	(147.9949 ± 0.0007)
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]	(-5.23416 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(-3.04 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(7.7 ± 0.6) x E-1
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)	(2.53 ± 0.04) x E-4	(-6.4 ± 0.5) x E-5
2 (quadrupole)	(1.000000 ± 0.000006)	(-6.52 ± 0.05) x E-4
3 (sextupole)	(2.60 ± 0.02) x E-4	(2.3 ± 0.3) x E-5
4	(5.0 ± 0.3) x E-5	(-9.1 ± 0.3) x E-5
5	(-2.2 ± 0.2) x E-5	(5 ± 3) x E-6
6	(-4.53 ± 0.02) x E-4	(1.7 ± 0.2) x E-5
7	(6 ± 3) x E-6	(1 ± 3) x E-6
8	(1.3 ± 25.4) x E-7	(2 ± 5) x E-6
9	(-2 ± 4) x E-6	(-1 ± 4) x E-6
10	(1.547 ± 0.003) x E-3	(-5 ± 3) x E-6
11	(-4 ± 2) x E-6	(-2 ± 3) x E-6
12	(2 ± 3) x E-6	(5 ± 3) x E-6
13	(3 ± 3) x E-6	(3 ± 3) x E-6
14	(-6.78 ± 0.03) x E-4	(-7 ± 4) x E-6
15	(-7.5 ± 32.3) x E-7	(2 ± 3) x E-6