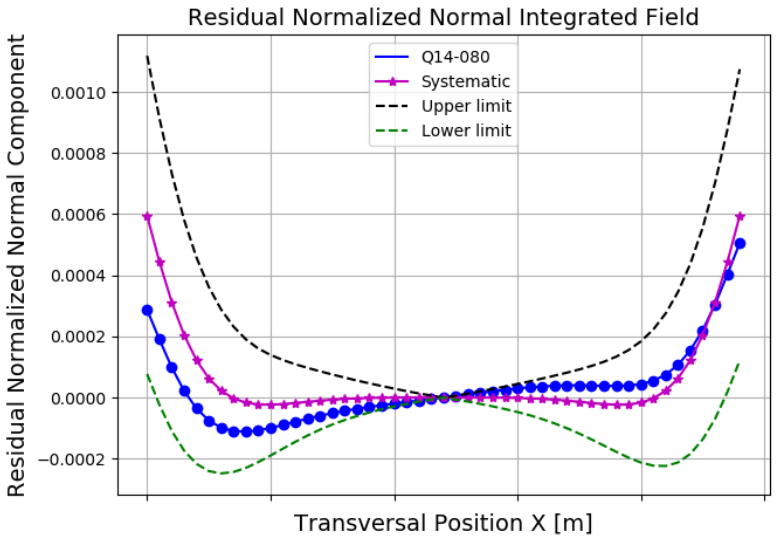
Q14-080

STORAGE RING MAGNET REPORT

Results	
Date	05/04/2018
Hour	14:54:49
Temperature [°C]	23.7
Number of Measurements	9
Main Coil Current [A]	(147.9950 ± 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]	(-5.23816 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(1.96 ± 0.06)
Magnet Center Offset Y [μm] - (< ±40.0)	(8.08 ± 0.05)
Roll [mrad] - (< ±0.3)	(-4.34 ± 0.02) 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)	(-1.63 ± 0.05) x E-4	(-6.73 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000006)	(-8.69 ± 0.04) x E-4
3 (sextupole)	(1.21 ± 0.03) x E-4	(1.94 ± 0.03) x E-4
4	(2.3 ± 0.2) x E-5	(-4.9 ± 0.4) x E-5
5	(-1.1 ± 0.3) x E-5	(-5.6 ± 0.3) x E-5
6	(-5.03 ± 0.03) x E-4	(2.0 ± 0.3) x E-5
7	(-4.5 ± 27.1) x E-7	(8.7 ± 36.4) x E-7
8	(-2 ± 4) x E-6	(-1.3 ± 0.4) x E-5
9	(5 ± 3) x E-6	(4 ± 3) x E-6
10	(1.565 ± 0.005) x E-3	(-10 ± 5) x E-6
11	(-2 ± 3) x E-6	(-5 ± 4) x E-6
12	(2 ± 3) x E-6	(1.3 ± 0.3) x E-5
13	(-2 ± 2) x E-6	(-1 ± 4) x E-6
14	(-6.87 ± 0.02) x E-4	(-6 ± 2) x E-6
15	(-2 ± 3) x E-6	(5 ± 5) x E-6