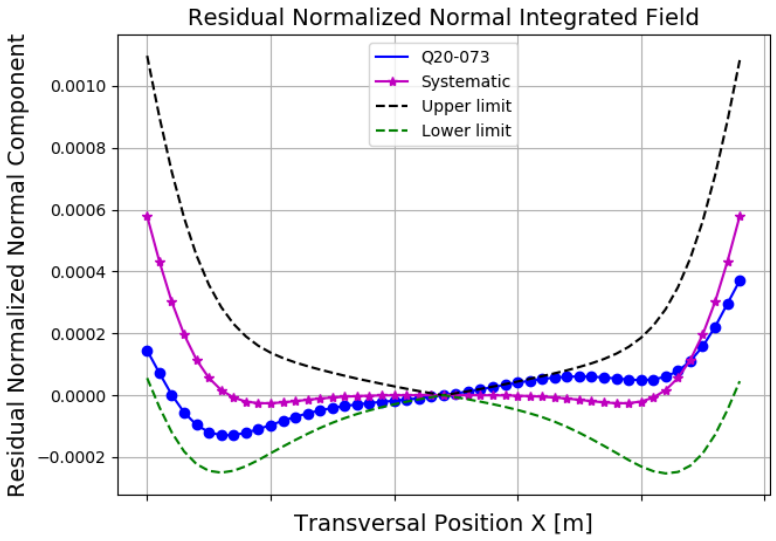
Q20-073

STORAGE RING MAGNET REPORT

Results	
Date	18/05/2018
Hour	09:10:05
Temperature [°C]	23.53
Number of Measurements	9
Main Coil Current [A]	(157.4372 ± 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]	(-9.08273 ± 0.00004)
Magnet Center Offset X [μm] - (< ±40.0)	(14.38 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(6.70 ± 0.04)
Roll [mrad] - (< ±0.3)	(-2.27 ± 0.02) x E-1
Electric Parameters	
Indutance [mH]	8.9467
Voltage [V]	5.42
Resistance [mΩ]	34.4
Main Coil Number of Turns	23.25



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)	(-1.198 ± 0.002) x E-3	(-5.58 ± 0.03) x E-4
2 (quadrupole)	(1.000000 ± 0.000006)	(-4.54 ± 0.04) x E-4
3 (sextupole)	(1.32 ± 0.02) x E-4	(9.7 ± 0.3) x E-5
4	(1.75 ± 0.04) x E-4	(-3.5 ± 0.3) x E-5
5	(-8 ± 4) x E-6	(1.9 ± 0.3) x E-5
6	(-8.80 ± 0.03) x E-4	(6.9 ± 0.4) x E-5
7	(2 ± 3) x E-6	(-1.4 ± 0.6) x E-5
8	(-9 ± 4) x E-6	(4 ± 3) x E-6
9	(-1.2 ± 0.6) x E-5	(-1.4 ± 0.4) x E-5
10	(1.694 ± 0.007) x E-3	(-4.1 ± 0.6) x E-5
11	(5 ± 5) x E-6	(1 ± 6) x E-6
12	(3 ± 6) x E-6	(2 ± 5) x E-6
13	(4 ± 7) x E-6	(9 ± 3) x E-6
14	(-7.26 ± 0.06) x E-4	(1.7 ± 0.5) x E-5
15	(-9 ± 3) x E-6	(-3 ± 5) x E-6