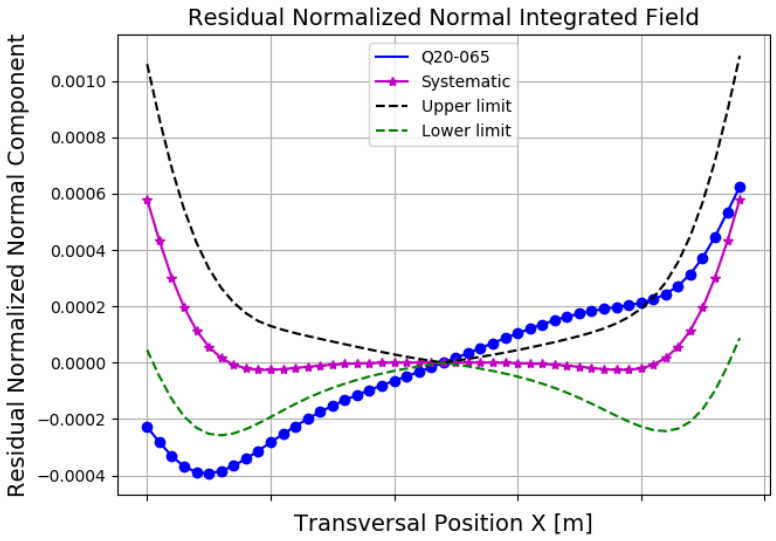
Q20-065

STORAGE RING MAGNET REPORT

Results	
Date	23/05/2018
Hour	11:52:30
Temperature [°C]	23.1
Number of Measurements	9
Main Coil Current [A]	(157.4379 ± 0.0003)
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]	(-9.07981 ± 0.00004)
Magnet Center Offset X [μm] - (< ±40.0)	(5.04 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(2.86 ± 0.05)
Roll [mrad] - (< ±0.3)	(1.50 ± 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)	(-4.20 ± 0.02) x E-4	(-2.38 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000006)	(3.00 ± 0.04) x E-4
3 (sextupole)	(4.00 ± 0.02) x E-4	(5.4 ± 0.4) x E-5
4	(1.07 ± 0.03) x E-4	(-3.2 ± 0.4) x E-5
5	(3.8 ± 0.2) x E-5	(-2 ± 4) x E-6
6	(-8.68 ± 0.02) x E-4	(6.9 ± 0.6) x E-5
7	(-7 ± 1) x E-6	(-1 ± 5) x E-6
8	(2.22 ± 362.25) x E-8	(-6.5 ± 44.0) x E-7
9	(-5 ± 3) x E-6	(-1.1 ± 0.5) x E-5
10	(1.658 ± 0.003) x E-3	(-2.0 ± 0.3) x E-5
11	(4 ± 3) x E-6	(6.4 ± 27.1) x E-7
12	(-1 ± 2) x E-6	(4 ± 4) x E-6
13	(3 ± 4) x E-6	(7 ± 3) x E-6
14	(-6.98 ± 0.03) x E-4	(-8 ± 4) x E-6
15	(-6 ± 2) x E-6	(9.7 ± 42.2) x E-7