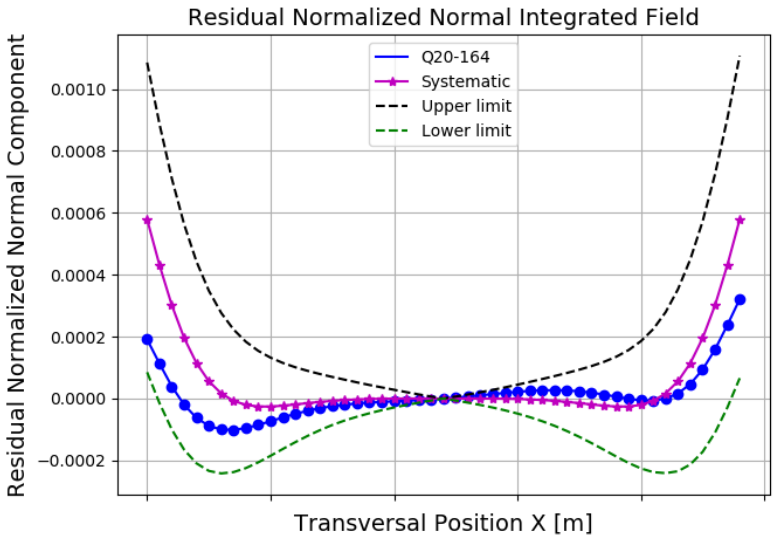
Q20-164

STORAGE RING MAGNET REPORT

Results	
Date	15/05/2018
Hour	12:59:46
Temperature [°C]	23.51
Number of Measurements	9
Main Coil Current [A]	(157.5576 ± 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]	(-9.09139 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(6.58 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(8.61 ± 0.04)
Roll [mrad] - (< ±0.3)	(-1.07 ± 0.01) 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)	(-5.48 ± 0.01) x E-4	(-7.17 ± 0.03) x E-4
2 (quadrupole)	(1.000000 ± 0.000003)	(-2.15 ± 0.03) x E-4
3 (sextupole)	(7.1 ± 0.2) x E-5	(1.24 ± 0.03) x E-4
4	(1.20 ± 0.03) x E-4	(-6.4 ± 0.3) x E-5
5	(-1.1 ± 0.2) x E-5	(-1.7 ± 0.3) x E-5
6	(-8.24 ± 0.04) x E-4	(1.09 ± 0.04) x E-4
7	(1.2 ± 0.3) x E-5	(5 ± 3) x E-6
8	(-1.3 ± 0.4) x E-5	(-5.6 ± 36.7) x E-7
9	(-9 ± 3) x E-6	(-8 ± 5) x E-6
10	(1.668 ± 0.003) x E-3	(-6.4 ± 0.2) x E-5
11	(-7 ± 4) x E-6	(-2 ± 4) x E-6
12	(5 ± 4) x E-6	(9 ± 4) x E-6
13	(9 ± 3) x E-6	(3 ± 4) x E-6
14	(-7.01 ± 0.04) x E-4	(2.7 ± 0.2) x E-5
15	(7.2 ± 39.4) x E-7	(-4 ± 3) x E-6