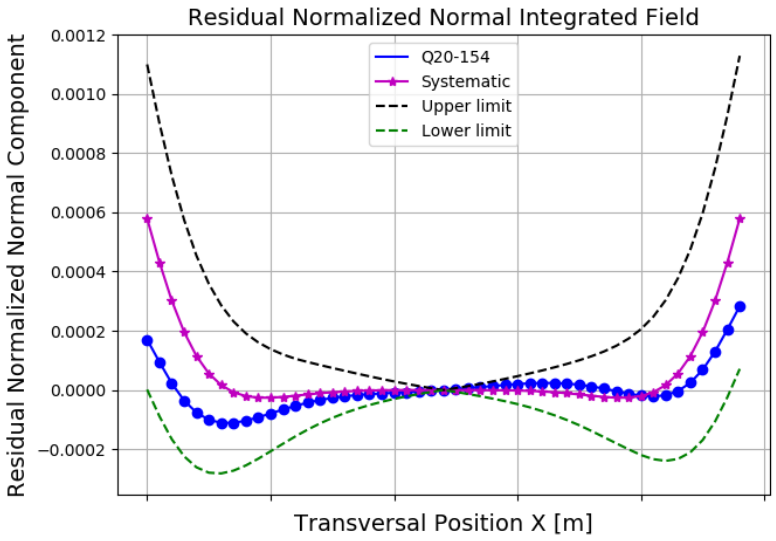
Q20-154

STORAGE RING MAGNET REPORT

Results	
Date	21/05/2018
Hour	16:23:12
Temperature [°C]	23.05
Number of Measurements	9
Main Coil Current [A]	(157.5590 ± 0.0008)
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]	(-9.08837 ± 0.00004)
Magnet Center Offset X [μm] - (< ±40.0)	(15.74 ± 0.04)
Magnet Center Offset Y [μm] - (< ±40.0)	(2.32 ± 0.06)
Roll [mrad] - (< ±0.3)	(1.06 ± 0.04) 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)	(-1.312 ± 0.003) x E-3	(-1.93 ± 0.05) x E-4
2 (quadrupole)	(1.000000 ± 0.000006)	(2.12 ± 0.08) x E-4
3 (sextupole)	(6.9 ± 0.4) x E-5	(2.13 ± 0.10) x E-4
4	(1.05 ± 0.08) x E-4	(-3.5 ± 0.9) x E-5
5	(-1.6 ± 0.7) x E-5	(-7.3 ± 0.9) x E-5
6	(-8.48 ± 0.06) x E-4	(1.17 ± 0.09) x E-4
7	(1.1 ± 0.8) x E-5	(-3.1 ± 61.7) x E-7
8	(-2 ± 5) x E-6	(-6.9 ± 79.8) x E-7
9	(-10 ± 8) x E-6	(5.1 ± 12.1) x E-6
10	(1.684 ± 0.004) x E-3	(-2.4 ± 1.0) x E-5
11	(-5.3 ± 11.3) x E-6	(7 ± 10) x E-6
12	(-7 ± 6) x E-6	(7.8 ± 10.5) x E-6
13	(1.0 ± 0.9) x E-5	(-5.821 ± 1099.523) x E-8
14	(-7.03 ± 0.07) x E-4	(-4 ± 10) x E-6
15	(-3.7 ± 12.7) x E-6	(-10 ± 8) x E-6