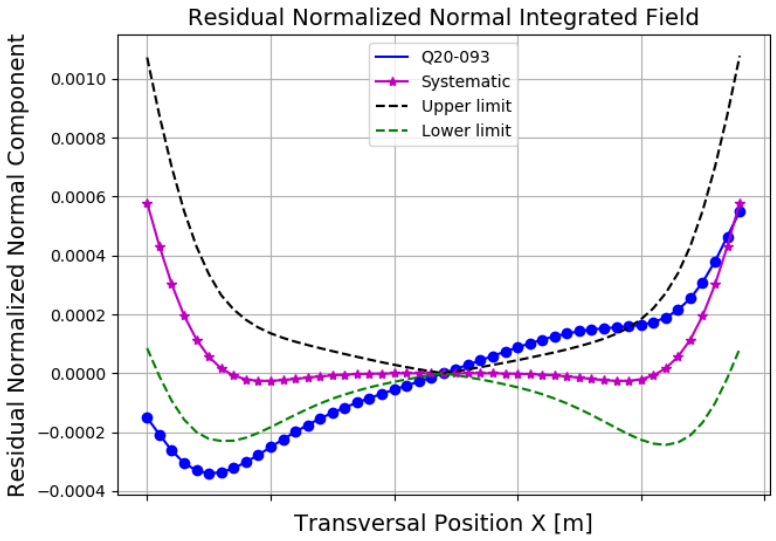
Q20-093

STORAGE RING MAGNET REPORT

Results	
Date	07/06/2018
Hour	11:20:53
Temperature [°C]	23.01
Number of Measurements	9
Main Coil Current [A]	(157.556 ± 0.001)
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]	(-9.08471 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(3.72 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(4.16 ± 0.05)
Roll [mrad] - (< ±0.3)	(3.4 ± 0.1) x E-2
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)	(-3.10 ± 0.01) x E-4	(-3.47 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000004)	(6.9 ± 0.3) x E-5
3 (sextupole)	(3.43 ± 0.02) x E-4	(2.11 ± 0.05) x E-4
4	(8.0 ± 0.3) x E-5	(-2.4 ± 0.3) x E-5
5	(2.0 ± 0.3) x E-5	(-3.7 ± 0.3) x E-5
6	(-8.25 ± 0.02) x E-4	(5.5 ± 0.5) x E-5
7	(-8 ± 3) x E-6	(-1 ± 4) x E-6
8	(-8 ± 4) x E-6	(-6 ± 4) x E-6
9	(-1.5 ± 0.3) x E-5	(-6.4 ± 72.6) x E-7
10	(1.660 ± 0.004) x E-3	(-1.6 ± 0.4) x E-5
11	(5 ± 4) x E-6	(-2.1 ± 32.4) x E-7
12	(3 ± 2) x E-6	(4 ± 6) x E-6
13	(1.3 ± 0.3) x E-5	(1 ± 6) x E-6
14	(-7.11 ± 0.04) x E-4	(-6 ± 3) x E-6
15	(-7 ± 4) x E-6	(-2.3 ± 35.1) x E-7