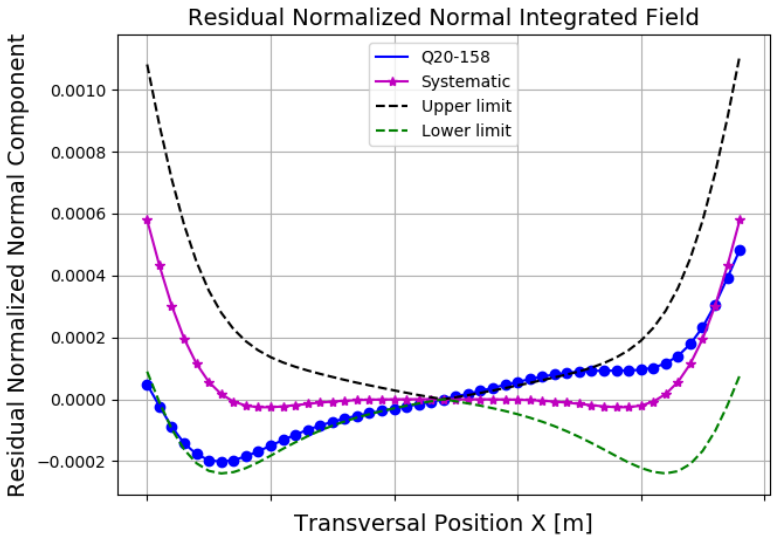
Q20-158

STORAGE RING MAGNET REPORT

Results	
Date	18/05/2018
Hour	16:37:45
Temperature [°C]	23.51
Number of Measurements	9
Main Coil Current [A]	(157.5573 ± 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]	(-9.08933 ± 0.00003)
Magnet Center Offset X [μm] - (< ±40.0)	(7.79 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(6.16 ± 0.06)
Roll [mrad] - (< ±0.3)	(-1.03 ± 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)	(-6.49 ± 0.03) x E-4	(-5.14 ± 0.05) x E-4
2 (quadrupole)	(1.000000 ± 0.000005)	(-2.06 ± 0.05) x E-4
3 (sextupole)	(2.01 ± 0.03) x E-4	(1.32 ± 0.05) x E-4
4	(1.39 ± 0.04) x E-4	(2 ± 3) x E-6
5	(2.1 ± 0.2) x E-5	(-5 ± 6) x E-6
6	(-8.38 ± 0.03) x E-4	(7.9 ± 0.4) x E-5
7	(4 ± 4) x E-6	(-1.2 ± 0.6) x E-5
8	(-8 ± 4) x E-6	(-6 ± 6) x E-6
9	(-1.4 ± 0.4) x E-5	(-8 ± 4) x E-6
10	(1.675 ± 0.004) x E-3	(-3.6 ± 0.5) x E-5
11	(-3 ± 6) x E-6	(4 ± 3) x E-6
12	(5 ± 3) x E-6	(8 ± 6) x E-6
13	(1.2 ± 0.4) x E-5	(3 ± 4) x E-6
14	(-7.07 ± 0.05) x E-4	(4 ± 5) x E-6
15	(-4 ± 4) x E-6	(-6 ± 5) x E-6