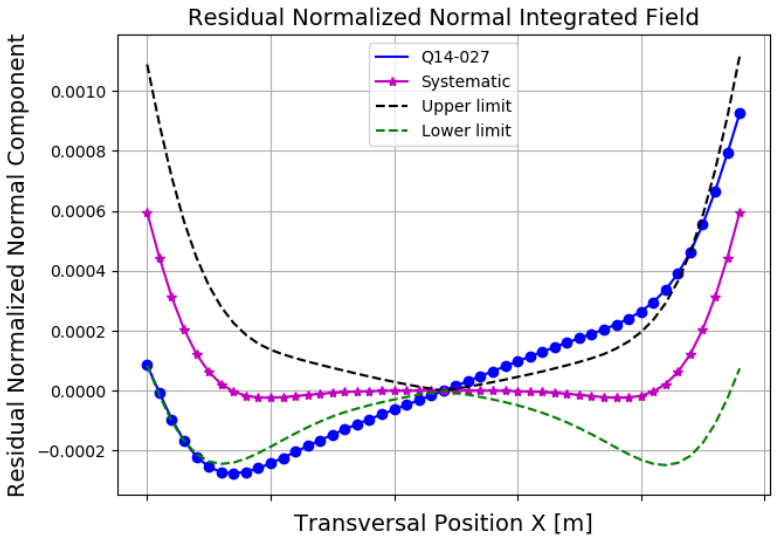
Q14-027

STORAGE RING MAGNET REPORT

Results	
Date	10/04/2018
Hour	08:45:41
Temperature [°C]	23.6
Number of Measurements	9
Main Coil Current [A]	(147.9966 ± 0.0007)
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]	(-5.23607 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(1.19 ± 0.04)
Magnet Center Offset Y [μm] - (< ±40.0)	(-9.3 ± 0.6) x E-1
Roll [mrad] - (< ±0.3)	(-3.26 ± 0.01) x E-1
Electric Parameters	
Indutance [mH]	4.781
Voltage [V]	4.4843
Resistance [mΩ]	30.3
Main Coil Number of Turns	20.0



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)	(-10.0 ± 0.3) x E-5	(7.7 ± 0.5) x E-5
2 (quadrupole)	(1.000000 ± 0.000004)	(-6.51 ± 0.02) x E-4
3 (sextupole)	(3.83 ± 0.02) x E-4	(9.1 ± 0.3) x E-5
4	(4.8 ± 0.3) x E-5	(-8.3 ± 0.4) x E-5
5	(4.2 ± 0.3) x E-5	(6.3 ± 34.5) x E-7
6	(-3.96 ± 0.03) x E-4	(3.6 ± 0.3) x E-5
7	(-2.8 ± 39.4) x E-7	(-10 ± 4) x E-6
8	(-7 ± 3) x E-6	(-3 ± 5) x E-6
9	(-7 ± 2) x E-6	(-3 ± 4) x E-6
10	(1.536 ± 0.004) x E-3	(-1.0 ± 0.5) x E-5
11	(-3 ± 3) x E-6	(5 ± 4) x E-6
12	(4 ± 4) x E-6	(6 ± 4) x E-6
13	(5 ± 4) x E-6	(2 ± 5) x E-6
14	(-6.78 ± 0.04) x E-4	(-1.1 ± 0.4) x E-5
15	(6.5 ± 35.7) x E-7	(-2 ± 3) x E-6