

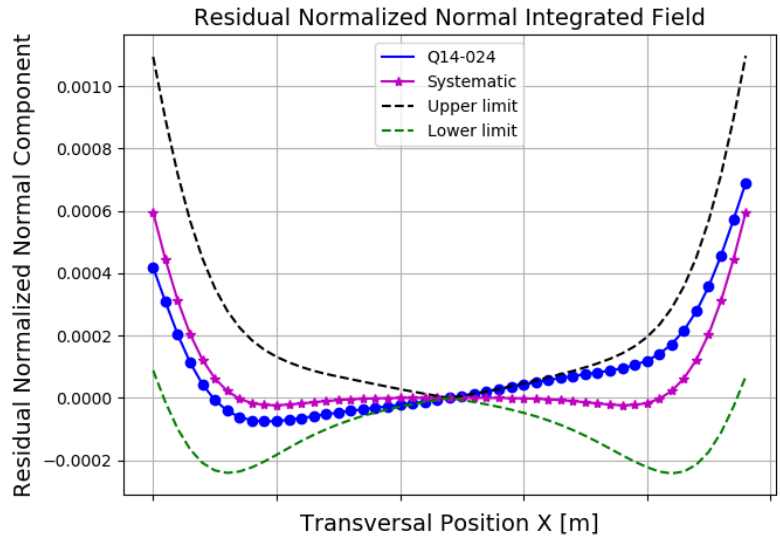


Q14-024

STORAGE RING MAGNET REPORT

Results

Date	09/04/2018
Hour	16:47:18
Temperature [°C]	23.8
Number of Measurements	9
Main Coil Current [A]	(147.996 ± 0.006)
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]	(-5.23586 ± 0.00005)
Magnet Center Offset X [μm] - (< ±40.0)	(3.89 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(9.09 ± 0.08)
Roll [mrad] - (< ±0.3)	(-3.79 ± 0.03) x E-1
Electric Parameters	
Inductance [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⁾]
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1 (dipole)	(-3.24 ± 0.04) x E-4	(-7.57 ± 0.07) x E-4
2 (quadrupole)	(1.00000 ± 0.00001)	(-7.57 ± 0.06) x E-4
3 (sextupole)	(1.49 ± 0.06) x E-4	(1.90 ± 0.08) x E-4
4	(1.1 ± 0.1) x E-4	(-4 ± 1) x E-5
5	(-1.3 ± 0.8) x E-5	(-1.1 ± 0.8) x E-5
6	(-4.1 ± 0.1) x E-4	(4 ± 2) x E-5
7	(-4 ± 7) x E-6	(6.5 ± 18.8) x E-6
8	(-1.7 ± 13.7) x E-6	(-1.1 ± 15.0) x E-6
9	(9.6 ± 14.5) x E-6	(-6.9 ± 15.5) x E-6
10	(1.54 ± 0.02) x E-3	(-1 ± 2) x E-5
11	(-9.0 ± 10.5) x E-6	(-4.7 ± 23.2) x E-6
12	(-2.3 ± 12.0) x E-6	(4.9 ± 12.2) x E-6
13	(5.3 ± 17.8) x E-6	(5.9 ± 13.8) x E-6
14	(-6.8 ± 0.2) x E-4	(-9.4 ± 12.9) x E-6
15	(-3.8 ± 10.3) x E-6	(2.4 ± 19.6) x E-6

