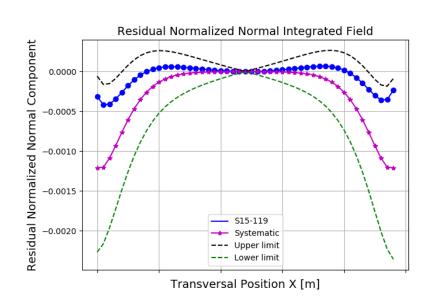


S15-119

STORAGE RING MAGNET REPORT

Results	
Date	13/07/2018
Hour	10:02:38
Temperature [°C]	22.784
Number of Measurements	9
Main Coil Current [A]	(167.798 ± 0.002
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/m]	(-359.627 ± 0.002
Magnet Center Offset X [μm] - (< ±40.0)	(16.87 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(21.27 ± 0.05)
Roll [mrad] - (< ±0.3)	(-3 ± 3) x E-3
Electric Parameters	ı
Indutance [mH]	3.157
Voltage [V]	6.0106
Resistance [m Ω]	35.82
Main Coil Number of Turns	11.25



	Normalized	Normalized
	Normal	Skew
n	Multipoles	Multipoles
	x=12.0 mm	x=12.0 mm
	[T.m ⁽²⁻ⁿ⁾]	[T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(-3.50 ± 0.07) x E-4	(4.8 ± 1.0) x E-5
2 (quadrupole)	(-2.811 ± 0.005) x E-3	(-3.544 ± 0.008) x E-3
3 (sextupole)	(1.000000 ± 0.000007)	(-1.0 ± 0.9) x E-5
4	(-7.4 ± 15.2) x E-6	(-1.1 ± 0.1) x E-4
5	(3.6 ± 0.1) x E-4	(-1.8 ± 0.1) x E-4
6	(6 ± 1) x E-5	(2.3 ± 0.9) x E-5
7	(1.2 ± 0.1) x E-4	(5 ± 2) x E-5
8	(-3 ± 1) x E-5	(4 ± 2) x E-5
9	(-2.081 ± 0.010) x E-3	(4.1 ± 0.2) x E-4
10	(-5.80 ± 160.99) x E-7	(6.0 ± 12.7) x E-6
11	(1.8 ± 13.1) x E-6	(5.2 ± 17.6) x E-6
12	(-1 ± 1) x E-5	(-1 ± 1) x E-5
13	(-3 ± 1) x E-5	(-2.4 ± 17.9) x E-6
14	(3 ± 1) x E-5	(-3 ± 2) x E-5
15	(1.35 ± 0.01) x E-3	(2 ± 1) x E-5

