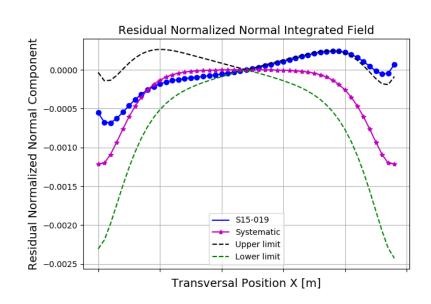


S15-019

STORAGE RING MAGNET REPORT

Results		
Date	30/08/2018	
Hour	15:04:29	
Temperature [°C]	23.183	
Number of Measurements	9	
Main Coil Current [A]	(167.798 ± 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/m]	(-360.095 ± 0.002	
Magnet Center Offset X [μm] - (< ±40.0)	(13.40 ± 0.03)	
Magnet Center Offset Y [μm] - (< ±40.0)	(29.95 ± 0.08)	
Roll [mrad] - (< ±0.3)	(-8.6 ± 0.5) x E-2	
Electric Parameters	I	
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)	(-1.09 ± 0.05) x E-4	(7 ± 1) x E-5
2 (quadrupole)	(-2.233 ± 0.005) x E-3	(-4.99 ± 0.01) x E-3
3 (sextupole)	(1.000000 ± 0.000008)	(-2.6 ± 0.2) x E-4
4	(3.68 ± 0.04) x E-4	(2.92 ± 0.09) x E-4
5	(2.62 ± 0.07) x E-4	(5.13 ± 0.10) x E-4
6	(-2.4 ± 0.7) x E-5	(-10 ± 8) x E-6
7	(1.08 ± 0.05) x E-4	(-1.32 ± 0.09) x E-4
8	(3.9 ± 0.7) x E-5	(3.7 ± 0.7) x E-5
9	(-1.874 ± 0.008) x E-3	(2.70 ± 0.08) x E-4
10	(-1.5 ± 0.6) x E-5	(5 ± 9) x E-6
11	(2.4 ± 0.8) x E-5	(-2 ± 1) x E-5
12	(-1.3 ± 0.8) x E-5	(9.3 ± 12.0) x E-6
13	(-1.6 ± 0.4) x E-5	(1.6 ± 0.9) x E-5
14	(-4.2 ± 0.7) x E-5	(-3 ± 1) x E-5
15	(1.255 ± 0.008) x E-3	(-1.2 ± 0.1) x E-4

