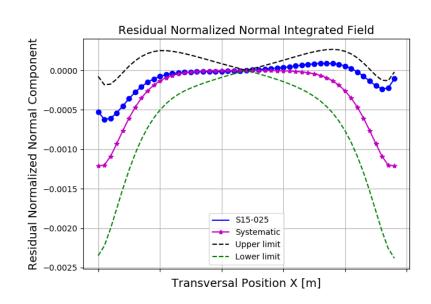


S15-025

STORAGE RING MAGNET REPORT

Results		
Date	04/09/2018	
Hour	09:01:45	
Temperature [°C]	23.428	
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]	(-359.780 ± 0.003	
Magnet Center Offset X [μm] - (< ±40.0)	(23.32 ± 0.03)	
Magnet Center Offset Y [μm] - (< ±40.0)	(36.9 ± 0.2)	
Roll [mrad] - (< ±0.3)	(7.6 ± 0.8) x E-2	
Electric Parameters	1	
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)	(-7.32 ± 0.05) x E-4	(3.2 ± 0.3) x E-4
2 (quadrupole)	(-3.886 ± 0.005) x E-3	(-6.15 ± 0.03) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(2.3 ± 0.3) x E-4
4	(9.8 ± 0.4) x E-5	(3.8 ± 0.2) x E-4
5	(1.84 ± 0.07) x E-4	(1.5 ± 0.2) x E-4
6	(1.2 ± 0.1) x E-4	(-3 ± 2) x E-5
7	(1.0 ± 0.1) x E-4	(-5 ± 2) x E-5
8	(3 ± 1) x E-5	(2 ± 2) x E-5
9	(-1.804 ± 0.007) x E-3	(3.3 ± 0.2) x E-4
10	(8.4 ± 11.4) x E-6	(3.4 ± 30.2) x E-6
11	(1 ± 2) x E-5	(3 ± 3) x E-5
12	(9.1 ± 18.1) x E-6	(2 ± 2) x E-5
13	(-4 ± 1) x E-5	(1 ± 2) x E-5
14	(-5 ± 1) x E-5	(-5 ± 2) x E-5
15	(1.226 ± 0.008) x E-3	(-1.3 ± 0.1) x E-4

