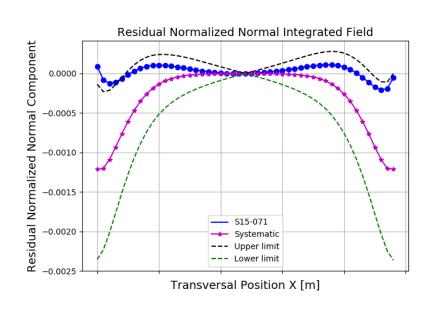


S15-071

STORAGE RING MAGNET REPORT

Results		
Date	09/08/2018	
Hour	16:05:44	
Temperature [°C]	23.411	
Number of Measurements	9	
Main Coil Current [A]	(167.797 ± 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]	(-359.247 ± 0.002	
Magnet Center Offset X [μm] - (< ±40.0)	(24.68 ± 0.02)	
Magnet Center Offset Y [μm] - (< ±40.0)	(28.11 ± 0.04)	
Roll [mrad] - (< ±0.3)	(1.22 ± 0.02) x E-	
Electric Parameters		
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)	(-3.56 ± 0.04) x E-4	(9 ± 6) x E-6
2 (quadrupole)	(-4.113 ± 0.004) x E-3	(-4.685 ± 0.007) x E-3
3 (sextupole)	(1.000000 ± 0.000008)	(3.66 ± 0.06) x E-4
4	(3.7 ± 0.4) x E-5	(2.9 ± 0.5) x E-5
5	(4.80 ± 0.05) x E-4	(9.2 ± 0.6) x E-5
6	(-1.07 ± 0.03) x E-4	(-3.0 ± 0.6) x E-5
7	(1.75 ± 0.04) x E-4	(-5.7 ± 0.9) x E-5
8	(2.3 ± 0.5) x E-5	(2.6 ± 0.6) x E-5
9	(-1.944 ± 0.006) x E-3	(4.4 ± 0.5) x E-5
10	(3 ± 6) x E-6	(-8.8 ± 71.9) x E-7
11	(-3 ± 6) x E-6	(-5 ± 7) x E-6
12	(2 ± 7) x E-6	(-2 ± 8) x E-6
13	(-1.9 ± 0.6) x E-5	(1.6 ± 0.5) x E-5
14	(-3.0 ± 0.5) x E-5	(-4.5 ± 0.5) x E-5
15	(1.329 ± 0.007) x E-3	(-4 ± 9) x E-6

