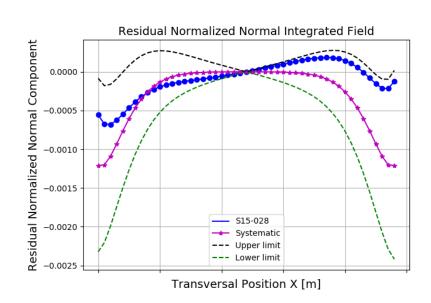


S15-028

STORAGE RING MAGNET REPORT

Results		
Date	04/09/2018	
Hour	09:47:40	
Temperature [°C]	23.393	
Number of Measurements	9	
Main Coil Current [A]	(167.7988 ± 0.0010	
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]	(-359.607 ± 0.002)	
Magnet Center Offset X [μm] - (< ±40.0)	(27.39 ± 0.02)	
Magnet Center Offset Y [μm] - (< ±40.0)	(28.2 ± 0.2)	
Roll [mrad] - (< ±0.3)	(7.3 ± 0.9) x E-2	
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)	(-9.54 ± 0.07) x E-4	(5.1 ± 0.3) x E-4
2 (quadrupole)	(-4.565 ± 0.003) x E-3	(-4.70 ± 0.03) x E-3
3 (sextupole)	(1.000000 ± 0.000010)	(2.2 ± 0.3) x E-4
4	(3.68 ± 0.03) x E-4	(10 ± 3) x E-5
5	(1.52 ± 0.09) x E-4	(-1.7 ± 0.2) x E-4
6	(-1.5 ± 0.1) x E-4	(-4.0 ± 25.8) x E-6
7	(9 ± 1) x E-5	(2 ± 2) x E-5
8	(6.7 ± 0.8) x E-5	(4 ± 2) x E-5
9	(-1.78 ± 0.01) x E-3	(3.7 ± 0.2) x E-4
10	(-3 ± 1) x E-5	(-6.5 ± 18.2) x E-6
11	(-1.5 ± 85.7) x E-7	(-2 ± 2) x E-5
12	(9.3 ± 14.4) x E-6	(-2 ± 2) x E-5
13	(-3.3 ± 1.0) x E-5	(1.2 ± 16.6) x E-6
14	(-4.4 ± 0.6) x E-5	(-4 ± 1) x E-5
15	(1.23 ± 0.01) x E-3	(-1.3 ± 0.2) x E-4

