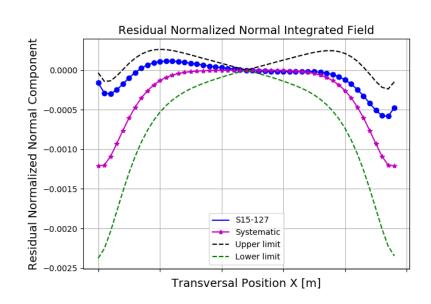


S15-127

STORAGE RING MAGNET REPORT

Results		
Date	05/07/2018	
Hour	16:04:59	
Temperature [°C]	23.538	
Number of Measurements	9	
Main Coil Current [A]	(167.7975 ± 0.0007	
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]	(-359.561 ± 0.002)	
Magnet Center Offset X [μm] - (< ±40.0)	(10.21 ± 0.02)	
Magnet Center Offset Y [μm] - (< ±40.0)	(23.01 ± 0.06)	
Roll [mrad] - (< ±0.3)	(-1.3 ± 0.5) 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)	(-5.12 ± 0.05) x E-4	(6.4 ± 0.1) x E-4
2 (quadrupole)	(-1.701 ± 0.003) x E-3	(-3.84 ± 0.01) x E-3
3 (sextupole)	(1.000000 ± 0.000009)	(-4 ± 2) x E-5
4	(-1.37 ± 0.03) x E-4	(1.64 ± 0.09) x E-4
5	(2.75 ± 0.06) x E-4	(6 ± 9) x E-6
6	(-1.0 ± 0.5) x E-5	(-2 ± 1) x E-5
7	(9.2 ± 0.9) x E-5	(-4.1 ± 0.7) x E-5
8	(-1.5 ± 58.1) x E-7	(2.8 ± 0.9) x E-5
9	(-2.05 ± 0.01) x E-3	(1.59 ± 0.10) x E-4
10	(1 ± 8) x E-6	(1 ± 1) x E-5
11	(9 ± 8) x E-6	(-1 ± 1) x E-5
12	(-2.6 ± 13.0) x E-6	(-2 ± 9) x E-6
13	(-1.1 ± 0.6) x E-5	(1.4 ± 0.9) x E-5
14	(-7.2 ± 10.6) x E-6	(-4 ± 1) x E-5
15	(1.367 ± 0.006) x E-3	(1.9 ± 0.6) x E-5

