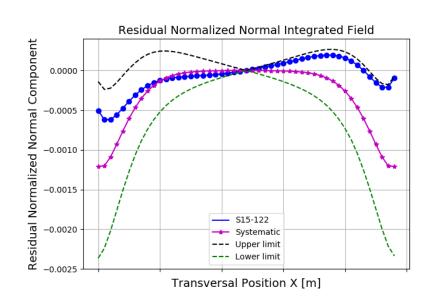


S15-122

STORAGE RING MAGNET REPORT

Results		
Date	09/08/2018	
Hour	12:19:59	
Temperature [°C]	23.604	
Number of Measurements	9	
Main Coil Current [A]	(167.797 ± 0.004)	
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]	(-360.159 ± 0.003	
Magnet Center Offset X [μm] - (< ±40.0)	(9.1 ± 0.3) x E-1	
Magnet Center Offset Y [μm] - (< ±40.0)	(20.93 ± 0.02)	
Roll [mrad] - (< ±0.3)	(8 ± 1) x E-3	
Electric Parameters	,	
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [m Ω]	35.82	
Main Coil Number of Turns	11.25	



n	Normalized Normal Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole) 2 (quadrupole)	(-3.59 ± 0.05) x E-4 (-1.51 ± 0.04) x E-4	(-4.73 ± 0.04) x E-4 (-3.487 ± 0.003) x E-3
3 (sextupole)	(1.000000 ± 0.000010)	(2.4 ± 0.4) x E-5
4	(3.05 ± 0.02) x E-4	(-2.17 ± 0.04) x E-4
5	(2.92 ± 0.05) x E-4	(1.9 ± 0.4) x E-5
6	(-8.9 ± 0.3) x E-5	(-2.7 ± 0.5) x E-5
7	(1.13 ± 0.04) x E-4	(5 ± 4) x E-6
8	(-9 ± 4) x E-6	(4.5 ± 0.6) x E-5
9	(-2.033 ± 0.004) x E-3	(4.3 ± 0.4) x E-5
10	(-3 ± 5) x E-6	(1.1 ± 0.4) x E-5
11	(-4 ± 4) x E-6	(-6 ± 5) x E-6
12	(3 ± 6) x E-6	(-2 ± 5) x E-6
13	(-1.5 ± 0.4) x E-5	(7 ± 6) x E-6
14	(-8.2 ± 29.2) x E-7	(-3.8 ± 0.6) x E-5
15	(1.348 ± 0.002) x E-3	(3 ± 3) x E-6

