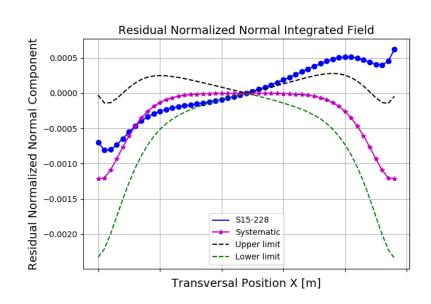


S15-228

STORAGE RING MAGNET REPORT

Results	
Results	
Date	30/07/2018
Hour	12:39:28
Temperature [°C]	23.316
Number of Measurements	9
Main Coil Current [A]	(167.798 ± 0.001
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]	(-359.788 ± 0.003
Magnet Center Offset X [μm] - (< ±40.0)	(9.80 ± 0.04)
Magnet Center Offset Y [μm] - (< ±40.0)	(29.7 ± 0.1)
Roll [mrad] - (< ±0.3)	(6.8 ± 0.6) 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)	(2.31 ± 0.04) x E-4	(1.5 ± 0.2) x E-4
2 (quadrupole)	(-1.634 ± 0.007) x E-3	(-4.94 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(2.0 ± 0.2) x E-4
4	(6.20 ± 0.09) x E-4	(2.4 ± 0.2) x E-4
5	(5.1 ± 0.2) x E-4	(-7 ± 2) x E-5
6	(2 ± 1) x E-5	(1.2 ± 13.4) x E-6
7	(1.4 ± 0.2) x E-4	(-5.1 ± 22.6) x E-6
8	(3 ± 2) x E-5	(2 ± 2) x E-5
9	(-1.99 ± 0.02) x E-3	(3.8 ± 0.3) x E-4
10	(-5.4 ± 10.7) x E-6	(-8.5 ± 20.6) x E-6
11	(-2 ± 2) x E-5	(-4.1 ± 14.4) x E-6
12	(-4.2 ± 12.5) x E-6	(-1 ± 2) x E-5
13	(-2 ± 2) x E-5	(2 ± 2) x E-5
14	(-1 ± 1) x E-5	(-3 ± 1) x E-5
15	(1.34 ± 0.02) x E-3	(6 ± 2) x E-5

