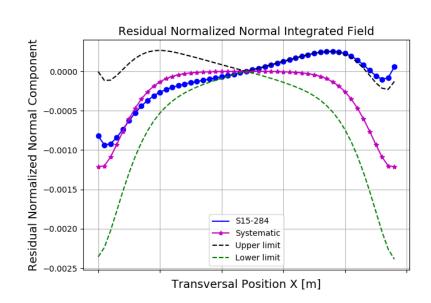


## S15-284

## **STORAGE RING MAGNET REPORT**

Results		
Date	19/07/2018	
Hour	09:37:05	
Temperature [°C]	23.671	
Number of Measurements	9	
Main Coil Current [A]	(167.796 ± 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]	(-359.891 ± 0.005	
Magnet Center Offset X [μm] - (< ±40.0)	(9.36 ± 0.04)	
Magnet Center Offset Y [μm] - (< ±40.0)	(22.6 ± 0.1)	
Roll [mrad] - (< ±0.3)	(8.7 ± 0.7) x E-2	
Electric Parameters	1	
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [m $\Omega$ ]	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 <sup>(2-n)</sup> ]	[T.m <sup>(2-n)</sup> ]
1 (dipole)	(-2.57 ± 0.07) x E-4	(1.20 ± 0.02) x E-3
2 (quadrupole)	(-1.560 ± 0.007) x E-3	(-3.76 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(2.6 ± 0.2) x E-4
4	(4.5 ± 0.1) x E-4	(1.0 ± 0.3) x E-4
5	(2.0 ± 0.2) x E-4	(-1.2 ± 0.1) x E-4
6	(-2.7 ± 0.8) x E-5	(-9.9 ± 21.0) x E-6
7	(5 ± 1) x E-5	(-3 ± 3) x E-5
8	(6 ± 2) x E-5	(1 ± 2) x E-5
9	(-2.04 ± 0.02) x E-3	(3.9 ± 0.2) x E-4
10	(-2 ± 1) x E-5	(9.2 ± 20.5) x E-6
11	(1 ± 2) x E-5	(1.7 ± 19.0) x E-6
12	(-1 ± 2) x E-5	(-2.1 ± 22.4) x E-6
13	(1 ± 2) x E-5	(2 ± 4) x E-5
14	(-1 ± 2) x E-5	(-4 ± 2) x E-5
15	(1.39 ± 0.02) x E-3	(-2 ± 3) x E-5

