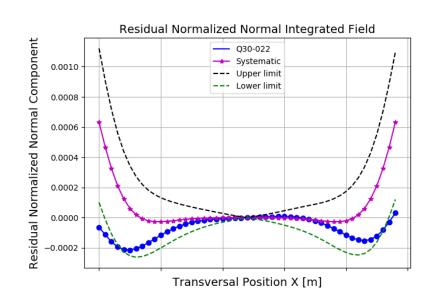


Q30-022

STORAGE RING MAGNET REPORT

Results	
Date	08/05/2018
Hour	11:19:03
Temperature [°C]	23.45
Number of Measurements	9
Main Coil Current [A]	(154.9971 ± 0.0006)
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]	(-13.63963 ± 0.00004)
Magnet Center Offset X [μm] - (< ±40.0)	(2.74 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(1.01 ± 0.05)
Roll [mrad] - (< ±0.3)	(-3.47 ± 0.03) x E-1
Electric Parameters	
Indutance [mH]	9.24
Voltage [V]	7.4863
Resistance [m Ω]	48.3
Main Coil Number of Turns	23.25



Normalized	Normalized
Normal	Skew
Multipoles	Multipoles
x=12.0 mm	x=12.0 mm
[T.m ⁽²⁻ⁿ⁾]	[T.m ⁽²⁻ⁿ⁾]
(-2.28 ± 0.03) x E-4	(-8.4 ± 0.4) x E-5
(1.000000 ± 0.000004)	(-6.94 ± 0.06) x E-4
(4.0 ± 0.6) x E-5	(2.47 ± 0.05) x E-4
(3.1 ± 0.5) x E-5	(-5.2 ± 0.5) x E-5
(-1.5 ± 0.5) x E-5	(-4.7 ± 0.6) x E-5
(-1.101 ± 0.006) x E-3	(1.14 ± 0.10) x E-4
(2 ± 1) x E-5	(7.74 ± 683.77) x E-8
(-4 ± 8) x E-6	(-4 ± 5) x E-6
(8 ± 9) x E-6	(9 ± 9) x E-6
(1.776 ± 0.009) x E-3	(-7.1 ± 0.6) x E-5
(-1.9 ± 0.6) x E-5	(-3.9 ± 88.3) x E-7
(3 ± 7) x E-6	(9.0 ± 10.5) x E-6
(-5 ± 10) x E-6	(2.2 ± 11.2) x E-6
(-7.23 ± 0.07) x E-4	(3.4 ± 0.9) x E-5
(1.4 ± 0.7) x E-5	(-5 ± 9) x E-6
	Normal Multipoles x=12.0 mm [T.m(2-n)] (-2.28 ± 0.03) x E-4 (1.000000 ± 0.000004) (4.0 ± 0.6) x E-5 (3.1 ± 0.5) x E-5 (-1.5 ± 0.5) x E-5 (-1.101 ± 0.006) x E-3 (2 ± 1) x E-5 (4 ± 8) x E-6 (8 ± 9) x E-6 (1.776 ± 0.009) x E-3 (-1.9 ± 0.6) x E-5 (3 ± 7) x E-6 (-5 ± 10) x E-6 (-7.23 ± 0.07) x E-4

