



S15-062

## STORAGE RING MAGNET REPORT

### Results

Date 02/07/2018

Hour 16:47:51

Temperature [°C] 24.072

Number of Measurements 9

Main Coil Current [A] (167.799 ± 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] (-359.689 ± 0.003)

Magnet Center Offset X [μm] - (< ±40.0) (19.26 ± 0.03)

Magnet Center Offset Y [μm] - (< ±40.0) (24.96 ± 0.05)

Roll [mrad] - (< ±0.3) (6 ± 3) × E-3

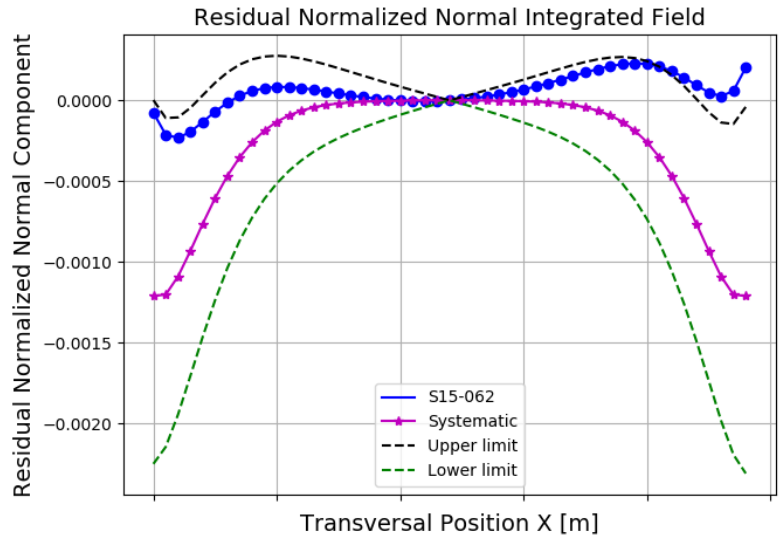
### Electric Parameters

Inductance [mH] 3.157

Voltage [V] 6.0106

Resistance [mΩ] 35.82

Main Coil Number of Turns 11.25



n	Normalized Normal Multipoles x=12.0 mm [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=12.0 mm [T.m <sup>(2-n)</sup> ]
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1 (dipole)	(4.91 ± 0.04) × E-4	(1.497 ± 0.009) × E-3
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2 (quadrupole)	(-3.210 ± 0.005) × E-3	(-4.160 ± 0.008) × E-3
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3 (sextupole)	(1.00000 ± 0.00001)	(1.7 ± 0.9) × E-5
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4	(1.11 ± 0.07) × E-4	(1.2 ± 0.1) × E-4
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5	(6.25 ± 0.05) × E-4	(-1.07 ± 0.05) × E-4
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6	(2.1 ± 0.7) × E-5	(-2.5 ± 0.8) × E-5
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7	(1.5 ± 0.1) × E-4	(-7.6 ± 0.4) × E-5
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8	(3 ± 1) × E-5	(3.4 ± 1.0) × E-5
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9	(-1.991 ± 0.004) × E-3	(1.3 ± 0.1) × E-4
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10	(9 ± 8) × E-6	(1.85 ± 117.71) × E-7
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11	(-1.8 ± 0.6) × E-5	(4 ± 7) × E-6
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12	(3.6 ± 11.7) × E-6	(4 ± 9) × E-6
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13	(-1.6 ± 0.7) × E-5	(2 ± 1) × E-5
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14	(-3.0 ± 0.6) × E-5	(-3.6 ± 1.0) × E-5
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15	(1.312 ± 0.005) × E-3	(-1.2 ± 0.6) × E-5
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