



Q30-024

STORAGE RING MAGNET REPORT

Results

Date 08/05/2018

Hour 09:10:37

Temperature [°C] 23.43

Number of Measurements 9

Main Coil Current [A] (154.9973 ± 0.0005)

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] (-13.64031 ± 0.00004)

Magnet Center Offset X [μm] - ($< \pm 40.0$) (2.29 ± 0.03)

Magnet Center Offset Y [μm] - ($< \pm 40.0$) (-1.39 ± 0.09)

Roll [mrad] - ($< \pm 0.3$) $(-2.38 \pm 0.05) \times E^{-1}$

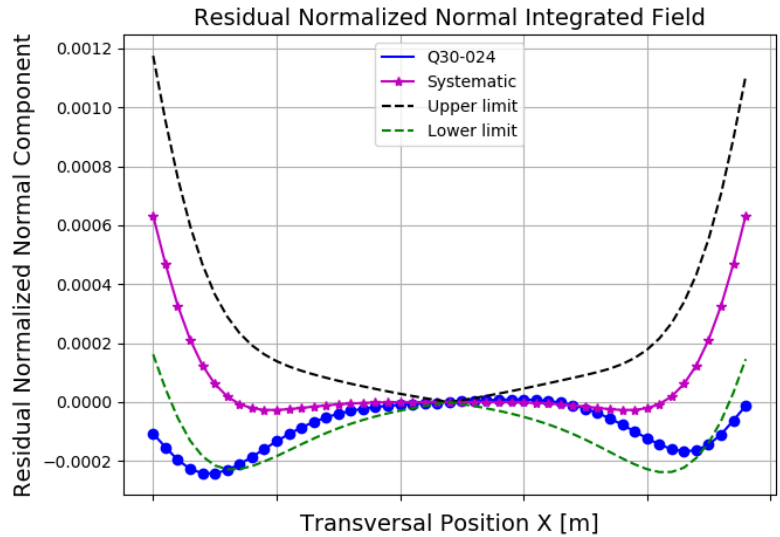
Electric Parameters

Inductance [mH] 9.24

Voltage [V] 7.4863

Resistance [$\text{m}\Omega$] 48.3

Main Coil Number of Turns 23.25



Normalized Normal Multipoles $x=12.0 \text{ mm}$ [$\text{T}\cdot\text{m}^{(2-n)}$]

Normalized Skew Multipoles $x=12.0 \text{ mm}$ [$\text{T}\cdot\text{m}^{(2-n)}$]

Residual Normalized Skew Integrated Field

