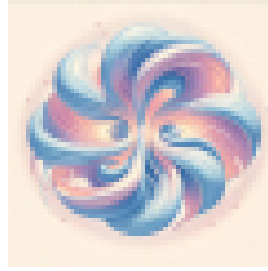


The 8th International Conference on Chirality, Vorticity and Magnetic Field in Quantum Matter



ID de Contribution: 50

Type: **On-line talk**

Higher order terms in fermion spin polarization (online)

mercredi 24 juillet 2024 16:30 (30 minutes)

In this talk I will present a derivation of second order terms of the spin polarization of fermions at local thermodynamic equilibrium including second order derivatives and quadratic terms in thermal vorticity and shear. While quadratic terms are expected to provide a small correction to the predicted polarization, the importance of second order derivatives can be verified only through numerical simulations.

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Classification de Session: Polarization