

## High sensitivity magnetometry with ferromagnetic spins and its applications in fundamental physics

*Friday, 17 April 2026 14:30 (25 minutes)*

Due to their high spin density and low spin projection noise, ferromagnetic systems are expected to be powerful tools for high-precision metrology. This presentation will discuss our recent investigations into physics beyond the Standard Model, utilizing ferromagnetic spins as a platform.”

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**Session Classification:** Plenary Theory-Experiment Interplay 2: Precision Searches (Room 567, Chair Shao-Feng Ge)