

QUANTUM MAGNETISM WITH ULTRACOLD ATOMS

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Ultracold atoms in optical lattices form a versatile platform for studying many-body physics, with the potential of addressing some of the most important issues in strongly correlated matter. I will present experimental results on the characterization of the BEC-BCS crossover with ultracold atoms, the phases of a spin-imbalanced Fermi gas in one and three dimensions, and finally the detection of anti-ferromagnetic order in the 3D Hubbard model, a paradigm model of strong correlations.

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2:00 PM

CFEL
SEMINAR ROOMS I-III

