

Publications of the SFB/TR49 according to projects, 2007 - 2014

A03

A. Sotnikov and W. Hofstetter

Magnetic Ordering of Three-Component Ultracold Fermionic Mixtures in Optical Lattices
Phys. Rev. A **89**, 063601 (2014) [abstract, arXiv:1402.3397]

I. Vidanovic, D. Cocks, and W. Hofstetter

Dissipation through localised loss in bosonic systems with long-range interactions
Phys. Rev. A **89**, 053614 (2014) [abstract, arXiv:1402.0011]

U. Bissbort, D. Cocks, A. Negretti, Z. Idziaszek, T. Calarco, F. Schmidt-Kaler, W. Hofstetter, R. Gerritsma

Emulating Solid-State Physics with a Hybrid System of Ultracold Ions and Atoms
Phys. Rev. Lett. **111**, 080501 (2013). [abstract, arXiv:1304.4972]

see also accompanying Physics Synopsis and Press Release

Peter P. Orth, Daniel Cocks, Stephan Rachel, Michael Buchhold, Karyn Le Hur, and Walter Hofstetter

Correlated Topological Phases and Exotic Magnetism with Ultracold Fermions
J. Phys. B: At. Mol. Opt. Phys. **46** (2013) 134004. [abstract, arXiv:1212.5607]

see also LabTalk - When a topological insulator becomes interacting - IOP Science

A. Sotnikov, M. Snoek, and W. Hofstetter

Magnetic phases of mass- and population-imbalanced ultracold fermionic mixtures in optical lattices

Phys. Rev. A **87**, 053602 (2013). [abstract, arXiv:1301.1691]

J. Pohlmann, A. Privitera, I. Titvinidze, and W. Hofstetter

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