

FOR 2414 Annual Workshop (Göttingen, Oct. 7-8)

Thursday, October 7

- 10:00-10:15 Welcome
- 10:15-11:00 Henrik Zahn (Project E2)
Observing spontaneous density wave patterns with a quantum gas magnifier
- 11:00-11:45 Morad Ebrahimkhas and Irakli Titvinidze (Project T3)
Interacting and Driven Topological States: Dynamical Mean-Field Study
- 11:45-12:30 Cécile Repellin (LPMMC, CNRS, Grenoble)
Fractional Chern insulators of few bosons in a box: detection from Hall drift and density profiles
- 12:30-14:00 Lunch break
- 14:00-14:45 Ricardo Mata (Faculty of Chemistry, Univ. Göttingen)
Research Data Management
- 14:45-15:30 Ramón Ramos (Project E3)
Realizing a 1D topological gauge theory in an optically dressed BEC
- 15:30-16:00 Coffee break
- 16:00-17:30 Poster session
- 17:30-18:15 Alexander Schnell (Project T1)
Topological states and ordering in Floquet driven optical-lattice systems coupled to a BEC bath
- 18:15-19:15 PI Meeting
- 20:00 Dinner (La Daniele, Bahnhofsallee 1c)

Friday, October 8

- 9:00-9:45 Alexander Szameit (Univ. Rostock) - online talk
Nonlinear photonic topological insulators
- 9:45-10:45 Nina Gülcher (Equal Opportunities and Diversity Unit, Univ. Göttingen)
Talk and Discussion on Gender Equality, Diversity and Equal Opportunities
- 10:45-11:15 Coffee break
- 11:15-12:00 Felix Palm (Project T6)
Fractional Chern insulators in the Hofstadter-Hubbard model
- 12:00-12:45 Julian Wienand (Project E1) - online talk
Single-atom imaging of Cs atoms in a quantum-gas microscope
- 12:45-14:15 Lunch break
- 14:15-15:00 Ephraim Bernhardt (Project T4)
Localization from Static and Mobile Impurities with Gauge Fields
- 15:00-15:45 Eric Bertok (Project T2)
Topological charge and spin pumping in one-dimensional quantum gases
- 15:45-16:15 Closing discussion