

Trento Munich Meeting

Thursday December 4, 2014

Max Planck Institute of Quantum Optics (MPQ)

Herbert-Walther Hörsaal at MPQ

08:30 - 09:15	Alessio Recati: Coherently coupled Bose gases
09:15 - 10:00	Francesco Scazza: SU(N)-symmetric orbital spin-exchange interactions in fermionic Ytterbium
10:00 - 10:30	COFFEE BREAK
10:30 - 11:15	Gabriele Ferrari: Solitonic defects in quenched cooled Bose-Einstein condensates
11:15 - 12:00	Michael Schreiber: Ergodicity breaking and Many-body localization in the 1D Fermi-Hubbard model
12:00 - 13:30	LUNCH BREAK@MPQ canteen
13:30 - 14:30	UQUAM Seminar VC Sandro Stringari: Spin orbit coupled Bose gases
14:30 - 15:15	Ulrich Schneider: The dynamics of a Quantum phase transition: Emergence of coherence and the Kibble-Zurek mechanism
15:15 - 15:45	COFFEE BREAK
15:45 - 16:30	Tomoki Ozawa: Momentum-space magnetic field in the trapped Harper-Hofstadter model
16:30 - 17:15	Sebastian Hild: Far-from-Equilibrium Spin Transport in Heisenberg Quantum Magnets
17:15 - 19:00	Poster Session
19:30 - 22:00	DINNER at Neuwirt Garching Trento Group + Munich Group leaders + PostDocs

Contact Information

Kristina Schuldt
Quantum Many-Body Systems Division
kristina.schuldt@mpq.mpg.de
Phone: +49 89 32905-138

Max Planck Institute of Quantum Optics
Hans Kopfermann Str. 1
D-85748 Garching

Trento Munich Meeting - Poster List

Thursday December 4, 2014

1	Monika Aidelsburger	Measuring the Chern number of Hofstadter bands with bosonic atoms
2	Nikolaus Buchheim, Zhenkai Lu, Frauke Seeßelberg, Tobias Schneider, Immanuel Bloch, Christoph Gohle	En route to many-body physics with NaK groundstate polar molecules
3	Sebastian Hild, Peter Schauß, Johannes Zeiher, Jae-yoon Choi	Far-from-Equilibrium Spin Transport in Heisenberg Quantum Magnets
4	Christian Hofrichter, Francesco Scazza, Moritz Höfer, Luis Riegger, Immanuel Bloch, Simon Fölling	Ytterbium spin-exchange interactions with SU(N)-symmetry
5	Henrik Lüschen, Pranjal Bordia, Michael Schreiber, Sean Hodgman, Jens Philipp Ronzheimer, Simon Braun, Immanuel Bloch, Ulrich Schneider	Out-of-equilibrium dynamics of bosons in optical lattices
6	Giovanni Martone	How to make visible and stable stripes in a spin-orbit-coupled Bose-Einstein condensate
7	Ahmed Omran, Martin Boll, Timon Hilker, Katharina Kleinlein, Immanuel Bloch and Christian Gross	Progress on the Fermi Quantum Microscope
8	David Papoular	Fast thermalization and Helmholtz oscillations of an ultracold Bose gas
9	Hannah Price	Quantum Mechanics with a Momentum-Space Artificial Magnetic Field
10	Martin Reitter, Lucia Duca, Tracy Li, Immanuel Bloch, Monika Schleier-Smith, Ulrich Schneider	An Aharonov-Bohm interferometer for determining Bloch band topology
11	Riccardo Rota, Stefano Giorgini	Variational Monte Carlo study of the effective mass of soliton excitations in a bose gas
12	Michael Schreiber, Sean Hodgman, Henrik Lüschen, Pranjal Bordia, Immanuel Bloch, Ulrich Schneider	Ultracold Fermions in Optical Superlattice
13	Marek Tylutki, Franco Dalfovo, Giacomo Lamporesi, Gabriele Ferrari, Lev P. Pitaevskii, Simone Donadello, Simone Serafini	Solitonic vortices in an elongated BEC
14	Johannes Zeiher, Peter Schauß, Takeshi Fukuhara, Sebastian Hild, Marc Cheneau, Tommaso Macri, Thomas Pohl, Immanuel Bloch, Christian Gross	Dynamical crystallization in a low-dimensional Rydberg gas

Contact Information

Kristina Schuldt
 Quantum Many-Body Systems Division
 kristina.schuldt@mpq.mpg.de
 Phone: +49 89 32905-138

Max Planck Institute of Quantum Optics
 Hans Kopfermann Str. 1
 D-85748 Garching