

614th Wilhelm und Else Heraeus-Seminar

Few-body Physics: Advances and Prospects in Theory and Experiment

Physikzentrum Bad Honnef, April 18 - 20, 2016



Scientific organizers:

Maxim A. Efremov (Ulm University) and **Christian Forssén** (Chalmers University of Technology)

Seminar topics:

- Theoretical tools to study few-body systems
- Few-body states induced by resonant forces in mass-imbalanced systems
- Three- and four-body forces in systems with effective degrees of freedom: few-nucleon systems, halo nuclei, and helium clusters
- Systems of charged and neutral atoms: ions and neutral atoms, Rydberg molecules
- Few-body systems with long-range and high-asymmetric interaction: double ionization process, dipole-dipole interaction

List of confirmed speakers:

- **Dmitry Petrov** (LPTMS, France)
- **Juris Uрманis** (University of Heidelberg, Germany)
- **Selim Jochim** (University of Heidelberg, Germany)
- **Maksim Kunitski** (Goethe University Frankfurt, Germany)
- **Elena A. Kolganova** (JINR, Russia)
- **Tilman Pfau** (University of Stuttgart, Germany)
- **Robert Moshhammer** (MPI for Nuclear Physics, Germany)
- **Robin Kaiser** (Institut Non Linéaire de Nice, France)
- **Wilhelm Becker** (MBI, Germany)
- **Alexandra Gade** (National Superconducting Cyclotron Laboratory, USA)
- **Doerte Blume** (Washington State University, USA)
- **Hans-Werner Hammer** (Technical University of Darmstadt, Germany)
- **Andreas Ekström** (University of Tennessee, USA)
- **Nasser Kalantar** (KVI-Center for Advanced Radiation Technology, The Netherlands)
- **Alejandro Kievsky** (The National Institute for Nuclear Physics, Italy)
- **Hans Otto Uldall Fynbo** (Aarhus University, Denmark)
- **Chris Greene** (Perdue University, USA)
- **Manfred Mark** (University of Innsbruck, Austria)

Deadline for registration:

February 14, 2016

Further information:

<https://www.uni-ulm.de/nawi/institut-fuer-quantenphysik/614-heraeus-seminar.html>

