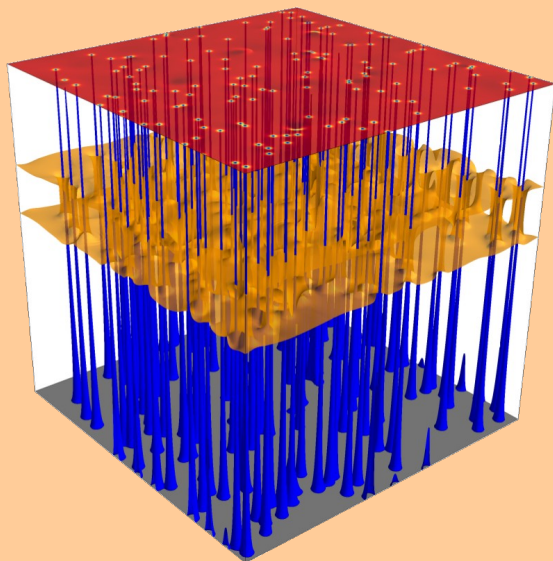
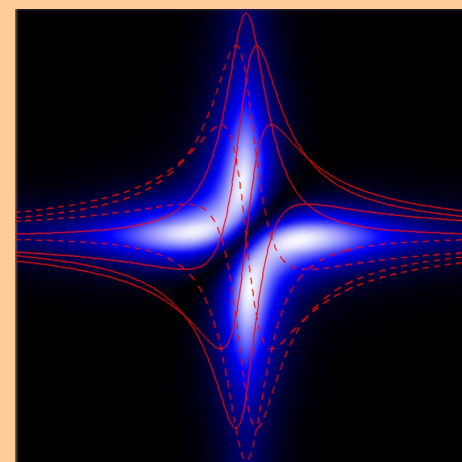


Friday 14:15–16:00 hrs  
 Room INF 227 / SR 2.402  
 Begin: 17 April 2015



# Ring Lecture AMO Physics in Heidelberg



## Bridging the Gap from the Lecture Room to the Laboratory

Lecturers or Professors at the Faculty of Physics of Heidelberg University will present the ideas and concepts of research projects at laboratories in the Heidelberg area in the field of Atomic, Molecular and Optical Physics. The level and type of presentation will be similar to the AMO Physics courses and bridge the gap to laboratory work and specialized seminars.

This Ring Lecture is part of the Heidelberg University Master Program in Physics (MVSPEC)

## Lectures

Lecture program, material and registration:

<https://elearning2.uni-heidelberg.de/course/view.php?id=8611>

- 17 April Dr. Shannon Whitlock:  
Many Body Physics with Rydberg Atoms
- 24 April Priv. Doz. Dr. Alexander Dorn:  
Electron Collisions with Atoms and Molecules: Ionization and Fragmentation
- 8 May Prof. Dr. Klaus Blaum:  
Test of Fundamental Symmetries with Precision Penning-Trap Experiments
- 15 May Prof. Dr. Selim Jochim:  
Ultracold Gas of Fermions
- 22 May Priv. Doz. Dr. José R. Crespo López-Urrutia:  
Laser-Cooled Coulomb Crystals
- 29 May Apl. Prof. Dr. Wolfgang Petrich:  
Infrared Imaging of Biosystems
- 5 June Priv. Doz. Dr. Zoltán Harman, Dr. Stanislav Tashenov:  
Exploring Fundamental Physics with Highly Charged Ions
- 12 June Dr. Holger Kreckel:  
Laboratory Astrophysics: Molecules in the Interstellar Space
- 19 June Apl. Prof. Dr. Thomas Gasenzer:  
Universal Dynamics of Ultracold Atoms Far from Equilibrium
- 26 June Priv. Doz. Dr. Robert Moshhammer:  
Atoms and Molecules in Strong Laser Fields
- 3 July Prof. Dr. Thomas Pfeifer:  
Attosecond Physics of Atoms in Strong Laser Fields
- 10 July Priv. Doz. Dr. Alban Kellerbauer:  
Cold Trapped Antiprotons and Antihydrogen
- 17 July Prof. Dr. Markus Oberthaler:  
Physics and Applications of Atom Traps
- 24 July Priv. Doz. Dr. Jörg Evers:  
X-Ray Quantum Optics

Coordinator  
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