Fachverband Atomphysik (A)

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Übersicht der Hauptvorträge und Fachsitzungen

(Hörsäle 6G, 5M und 5D)

Hauptvorträge

A 2.1	Mo	10:30–11:00	6G	**High-precision atomic physics experiments with stored and cooled ions in Penning traps** — •Klaus Blaum
A 3.1	Mo	10:30–11:00	5M	**Inelastic interaction of free electrons with pristine and doped rare gas clusters** — •Paul Scheier, Stephan Denifl, Fabio Zappa, Philipp Sulzer, Ingo Mähr, Andreas Mauracher, Tilmann Märk
A 4.1	Mo	14:00–14:30	6G	**Effiziente Autoionisation schwach gebundener Cluster durch Interatomaren Coulomb-Zerfall (ICD)** — •Uwe Hergenhahn, Silko Barth, Volker Ulrich, Simon Marburger, Markus Lundwall, Gunnar Öhrwall, Olle Björneholm
A 6.1	Mo	16:30–17:00	5M	**Quantum mechanics without wavefunction - a density functional perspective on electron dynamics** — •Stephan Kümmel
A 7.1	Di	10:30–11:00	5M	**Rydberg atom and molecule optics** — •Frederic Merkt, Edward Vliegen, Stephen Hogan
A 8.1	Di	14:00–14:30	6G	**Antihydrogen studies with ATHENA** — •Alban Kellerbauer
A 9.1	Di	14:00–14:30	5M	**Correlated electron dynamics in few-cycle pulses** — •Andreas Becker
A 17.1	Mi	14:00–14:30	6G	**Multielectron wave-packet propagation for electron dynamics following ionization: Basics and explicit applications** — •Alexander Kuleff, Lorenz Cederbaum
A 18.1	Mi	16:30–17:00	6G	**Röntgen-Laserspektroskopie mit hochgeladenen Ionen am Freie-Elektronen-Laser FLASH** — •José Crespo López-Urrutia, Sascha Epp, Joachim Ullrich
A 19.1	Do	11:30–12:00	5M	**Photophysics of DNA: Relation between structure and dynamics in isolated clusters** — •Thomas Schultz, Elena Samoylova, Hans-Hermann Ritze, Wolfgang Radloff, Yuliya Rulyk, Ingolf Volker Hertel
A 20.1	Do	11:30–12:00	6G	**Controlling Ultracold Rydberg Atoms in the Quantum Regime** — •Igor Lesanovsky
A 27.1	Fr	10:30–11:00	6G	**Quantum effects in collisions of ultracold atoms with walls and nanostructures** — •Javier Madroñero, Florian Arnecke, Alexander Jurisch, Harald Friedrich
A 28.1	Fr	10:30–11:00	5M	**Angular analysis of x–ray emission from excited ionic states with unresolved fine structure** — •Andrey Surzhykov, Ulrich Jentschura, Thomas Stöhlker, Stephan Fritzsche

Fachsitzungen

A 1.1–1.9	Mo	10:30–12:45	6J	**Quantengase (jointly with Q)**
A 2.1–2.7	Mo	10:30–12:30	6G	**Precision spectroscopy I**
A 3.1–3.7	Mo	10:30–12:30	5M	**Atomic Clusters I**
A 4.1–4.7	Mo	14:00–16:00	6G	**Atomic Clusters II**
A 5.1–5.7	Mo	16:30–18:15	6G	**Precision spectroscopy II**
A 6.1–6.7	Mo	16:30–18:30	5M	**Interaction with strong laser pulses I**

A 7.1–7.5	Di	10:30–12:15	5M	**Ultracold Plasmas and Rydberg Dynamics (jointly with Q)**
A 8.1–8.7	Di	14:00–16:00	6G	**Precision Spectroscopy III**
A 9.1–9.7	Di	14:00–16:00	5M	**Interaction with strong laser pulses II**
A 10.1–10.10	Di	16:30–18:30	Poster B	**Poster I - Precisions Spectroscopy**
A 11.1–11.11	Di	16:30–18:30	Poster B	**Poster I - Collisions with electrons and ions**
A 12.1–12.5	Di	16:30–18:30	Poster B	**Poster I - Interaction with external fields**
A 13.1–13.4	Di	16:30–18:30	Poster B	**Poster I - Ultra-cold plasmas and Rydberg systems**
A 14.1–14.10	Di	16:30–18:30	Poster B	**Poster I - Ultra-cold atoms, ions and BEC**
A 15.1–15.6	Mi	11:30–13:00	5M	**Atomic Systems in External Fields I**
A 16.1–16.1	Mi	11:30–12:00	6J	**Robert-Wichard-Pohl Preisträgervortrag**
A 17.1–17.7	Mi	14:00–16:00	6G	**Attosecond Physics (jointly with Q)**
A 18.1–18.7	Mi	16:30–18:30	6G	**Interaction with VUV and X-Ray light**
A 19.1–19.5	Do	11:30–13:00	5M	**Photoionization**
A 20.1–20.6	Do	11:30–13:15	6G	**Atomic Systems in External Fields II**
A 21.1–21.8	Do	14:00–16:00	5D	**Innovative Traps and Cooling Schemes (jointly with Q)**
A 22.1–22.12	Do	16:30–18:30	Poster B	**Poster II - Atomic clusters**
A 23.1–23.16	Do	16:30–18:30	Poster B	**Poster II - Interaction with strong or short laser pulses**
A 24.1–24.5	Do	16:30–18:30	Poster B	**Poster II - Interaction with VUV and X-ray light**
A 25.1–25.4	Do	16:30–18:30	Poster B	**Poster II - Photoionization**
A 26.1–26.4	Do	16:30–18:30	Poster B	**Poster II -Attosecond physics**
A 27.1–27.7	Fr	10:30–12:30	6G	**Ultracold collisions (jointly with Q)**
A 28.1–28.6	Fr	10:30–12:15	5M	**Collisions with electrons and ions (jointly with MO)**

Mitgliederversammlung des Fachverbands Atomphysik

Mittwoch 13:00 6G

- Bericht
- Format und Orte zukünftiger Frühjahrstagungen
- Allgemeines