

## Fachverband Atomphysik (A)

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### Übersicht der Hauptvorträge und Fachsitzungen

(Hörsäle 3C, 3D, Poster C3, zeitweise 1A, 2F, 2G, 3F)

#### Hauptvorträge

A 1.1	Mo	14:00–14:30	3C	<b>Fragmenting multi-electron atoms: from single photons to attosecond pulses</b> — ●AGAPI EMMANOUILIDOU
A 2.1	Mo	14:00–14:30	1A	<b>Cavity Optomechanics</b> — ●TOBIAS J. KIPPENBERG
A 3.1	Mo	16:30–17:00	3C	<b>Coherent Control with Shaped Attosecond Soft-X-Rays: Techniques and Application</b> — ●THOMAS PFEIFER
A 4.1	Mo	16:30–17:00	1A	<b>Dynamical quantum phase transitions</b> — ●RALF SCHUETZOLD
A 5.1	Di	11:00–11:30	3C	<b>Time-resolved mapping of correlated electron emission from Helium atom in an intense laser pulse</b> — ●CAMILO RUIZ MENDEZ
A 7.1	Di	11:00–11:30	3D	<b>Vibrational spectroscopy of isolated metal clusters with a Free Electron Laser</b> — ●ANDRÉ FIELICKE, PHILIPP GRUENE, JONATHAN T. LYON, GERARD MEIJER
A 8.1	Di	14:00–14:30	3C	<b>Applications of laser aligned molecules</b> — ●HENRIK STAPELFELDT
A 15.1	Do	8:30– 9:00	3C	<b>Correlations and Quantum Electrodynamics effects in He-like uranium</b> — ●M. TRASSINELLI, A. KUMAR, H.F. BEYER, C. BRANDAU, H. BRÄUNING, S. GEYER, A. GUMBERIDZE, P. INDELICATO, P. JAGODZINSKI, CH. KOZHUHAROV, S. HESS, R. MÄRTIN, R. REUSCHL, TH. STÖHLKER, S. TROTSENKO, G. WEBER
A 20.1	Do	11:00–11:30	3C	<b>On the path towards table-top free-electron-lasers</b> — ●FLORIAN GRUENER, MATTHIAS FUCHS, RAPHAEL WEINGARTNER, BENJAMIN MARX, STEFAN BECKER, DIETER HABS
A 21.1	Do	11:00–11:30	3D	<b>Helium und die Tripelkollision - neue Skalierungsgesetze in Zweielektronenatomen</b> — CHANG WOO BYUN, NARK NYUL CHOI, MIN-HO LEE, ●GREGOR TANNER
A 28.1	Fr	11:00–11:30	3C	<b>Nonlinear coherent transport of waves in disordered media</b> — ●THOMAS WELLEN, BENOÎT GRÉMAUD
A 29.1	Fr	11:00–11:30	3D	<b>Bridging atomic and nuclear physics in nuclear excitation by electron capture</b> — ●ADRIANA PÁLFFY, JÖRG EVERS, CHRISTOPH H. KEITEL

#### Fachsitzungen

A 1.1–1.6	Mo	14:00–15:45	3C	<b>Attosecond electron dynamics</b>
A 2.1–2.4	Mo	14:00–16:00	1A	<b>Quantum gases I (jointly with Q)</b>
A 3.1–3.6	Mo	16:30–18:15	3C	<b>Attosecond pulses and high harmonics (jointly with K and Q)</b>
A 4.1–4.5	Mo	16:30–19:00	1A	<b>Quantum gases II (jointly with Q)</b>
A 5.1–5.7	Di	11:00–13:00	3C	<b>Interaction with intense laser pulses I: Atoms</b>
A 6.1–6.7	Di	8:30–10:15	3D	<b>Interaction of matter with ions</b>
A 7.1–7.7	Di	11:00–13:00	3D	<b>Metal clusters</b>
A 8.1–8.7	Di	14:00–16:00	3C	<b>Interaction with intense laser pulses II: Molecules and beyond</b>
A 9.1–9.8	Di	14:00–16:00	2F	<b>Ultracold atoms I (jointly with Q)</b>
A 10.1–10.14	Di	16:30–18:30	Poster C3	<b>Posters: Atomic clusters</b>
A 11.1–11.9	Di	16:30–18:30	Poster C3	<b>Posters: Interaction with attosecond and VUV-light</b>
A 12.1–12.19	Di	16:30–18:30	Poster C3	<b>Posters: Interaction with intense laser pulses</b>
A 13.1–13.8	Di	16:30–18:30	Poster C3	<b>Posters: Photoionization and atomic systems in external fields</b>
A 14.1–14.17	Di	16:30–18:30	Poster C3	<b>Posters: Interaction of matter with ions</b>
A 15.1–15.7	Do	8:30–10:30	3C	<b>Precision spectroscopy I</b>

A 16.1–16.8	Do	8:30–10:30	3D	<b>Atomic Clusters</b>
A 17.1–17.7	Do	8:30–10:30	3F	<b>Collision processes and energy transfer I (jointly with MO)</b>
A 18.1–18.6	Do	8:30–10:00	2F	<b>Ultracold atoms II (jointly with Q)</b>
A 19.1–19.6	Do	8:30–10:00	2G	<b>Ultracold Rydberg gases (jointly with Q)</b>
A 20.1–20.7	Do	11:00–13:00	3C	<b>Experiments with FLASH and FEL perspectives: an overview</b>
A 21.1–21.7	Do	11:00–13:00	3D	<b>Atomic systems in external fields</b>
A 22.1–22.4	Do	11:00–12:15	3F	<b>Collision processes and energy transfer II (jointly with MO)</b>
A 23.1–23.8	Do	14:00–16:00	3C	<b>Precision spectroscopy II</b>
A 24.1–24.6	Do	14:00–15:30	3D	<b>Photoionization</b>
A 25.1–25.16	Do	16:30–18:30	Poster C3	<b>Posters: Precision spectroscopy of atoms and ions</b>
A 26.1–26.21	Do	16:30–18:30	Poster C3	<b>Posters: BECs, ultracold gases and plasmas</b>
A 27.1–27.12	Do	16:30–18:30	Poster C3	<b>Posters: Electron scattering and recombination</b>
A 28.1–28.5	Fr	11:00–12:30	3C	<b>Transport in ultracold gases and plasmas (jointly with Q)</b>
A 29.1–29.6	Fr	11:00–12:45	3D	<b>Electron scattering and recombination</b>
A 30.1–30.5	Fr	14:00–15:15	3C	<b>Precision spectroscopy III</b>
A 31.1–31.7	Fr	14:00–15:45	3D	<b>Interaction with intense laser pulses III: VUV and X-ray light</b>

### Mitgliederversammlung des Fachverbands Atomphysik

Montag 13:30–14:00 Raum 3D

- Bericht
- Wahl des designierten Fachverbandsvorsitzenden
- Verschiedenes