Molecular Physics Division
Fachverband Molekülphysik (MO)

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Overview of Invited Talks and Sessions

(Lecture rooms: PH/HS1 and PH/SR106; Poster: C/Foyer)

Invited Talks

MO 2.1	Mon	11:30–12:00	PH/HS1	**Simulating the control of molecular reactions via modulated light fields: From gas phase to solution** — •Regina de Vivie-Riedle
MO 3.1	Mon	14:30–15:00	PH/HS1	**Vibrational coherence in excited electronic states studied with multidimensional time-resolved spectroscopy** — Tiago Buckup, •Marcus Motzkus
MO 8.1	Tue	11:00–11:30	PH/HS1	**Novel computational approaches to molecular electronic-structure theory** — •Wim Klopper
MO 9.1	Tue	14:30–15:00	PH/HS1	**Control and Spectroscopy of Chiral Systems in the Condensed Phase** — •Tobias Brixner
MO 12.1	Wed	11:00–11:30	PH/HS1	**Generating high-valent iron with light. Photochemical dynamics** — •Peter Vöhringer
MO 13.1	Wed	11:00–11:30	PH/SR106	**Cryo-stored ion beams for studying neutral production in molecular fragmentation** — •Andreas Wolf
MO 15.1	Wed	14:30–15:00	PH/SR106	**Vibrational Spectroscopy of Cluster Complexes with Free Electron Lasers: Surface Science en Miniature** — •André Fielicke
MO 17.1	Thu	11:00–11:30	PH/HS1	**State-selective attachment of helium atoms to stored, cold molecular ions** — •Sandra Brünken, Lars Kluge, Alexander Stoffels, Oskar Asvany, Stephan Schlemmer
MO 18.1	Thu	11:00–11:30	PH/SR106	**cis-trans Isomerization, Ion-Pumps and pH-Sensor: From Molecular Interactions to Biological Function** — •Rolf Diller, Patrick Singer, Miriam Colindres, Philipp Alt, Ekkehard Neuhaus, Tilman Lamparter
MO 19.1	Thu	14:30–15:00	PH/HS1	**Luminescence properties of mass-selected lanthanoid complexes: a study involving gas-phase ion trapping, ion deposition into neon matrices, and computations.** — •Jean-Francois Greisch, Bastian Kern, Michael E. Harding, Jiří Chmela, Bernhard Schäfer, Artur Böttcher, Wim Klopper, Mario Ruben, Detlef Schooss, Dmitry Strelnikov, Patrick Weis, Manfred M. Kappes
MO 20.1	Thu	14:30–15:00	PH/SR106	**Controlling charge migration in molecules** — •Alexander I. Kuleff

Invited talks of the joint symposium SYDM

See SYDM for the full program of the symposium.

SYDM 1.1	Tue	11:00–11:40	C/gHS	**Searching for New Physics Effects in the Muon g -Factor** — •B. Lee Roberts
SYDM 1.2	Tue	11:40–12:20	C/gHS	**Dedicated storage ring EDM methods** — •Yannis Semertzidis
SYDM 2.1	Tue	14:30–15:10	C/gHS	**The experimental search for the neutron electric dipole moment** — •Klaus Kirch
SYDM 2.2	Tue	15:10–15:50	C/gHS	**The muon g-2: where we are, what does it tell us?** — •Friedrich Jegerlehner

Invited talks of the joint symposium SYPS

See SYPS for the full program of the symposium.

SYPS 1.1	Tue	17:00–17:30	K/HS1	**Feshbach resonances and the production of ultracold molecules** — •Jeremy M. Hutson
SYPS 1.2	Tue	17:30–18:00	K/HS1	**New frontiers in quantum simulation with ultra-cold polar molecules** — •Ana Maria Rey
SYPS 1.3	Tue	18:15–18:45	K/HS1	**Ground-state molecules near quantum degeneracy: the nuts and bolts** — •Hanns-Christoph Nägerl
SYPS 1.4	Tue	18:45–19:15	K/HS1	**Prospects and future directions with quantum gases of ultracold polar molecules** — •Silke Ospelkaus

Invited talks of the joint symposium SYNG

See SYNG for the full program of the symposium.

SYNG 1.1	Thu	11:00–11:30	C/gHS	**Development of a new facility for measuring 81Kr and 85Kr at ultra-trace level in environmental samples.** — •Bernard Lavielle, Eric Gilabert, Bertrand Thomas, Romain Rebeix, Grégory Canchel, Christophe Moulin, Sylvain Topin, Fabien Pointurier
SYNG 1.2	Thu	11:30–12:00	C/gHS	**Atom counting system to measure trace krypton contamination in ultra-pure xenon** — •Andre Loose, Tanya Zelevinsky, Elena Aprile
SYNG 1.3	Thu	12:00–12:30	C/gHS	**Krypton-85 and Radioxenon: Environmental Tracers and Indicators for Nuclear Activities** — •Clemens Schlosser, Verena Heidmann, Martina Konrad, Sabine Schmid
SYNG 2.1	Thu	14:30–15:00	C/gHS	**Using Noble Gases to Understand the History of Terrestrial Volatiles** — •Don Porcelli
SYNG 2.2	Thu	15:00–15:30	C/gHS	**Noble gas analysis in water: from temperature reconstruction over excess formation to oxygen turnover on environmentally relevant time scales** — •Rolf Kipfer, Matthias Brennwald
SYNG 2.3	Thu	15:30–16:00	C/gHS	**Applications of Noble Gases in Oceanography** — •Peter Schlosser, Robert Newton, Gisela Winckler, Angelica Pasqualini

Sessions

MO 1.1–1.6	Mon	11:30–13:15	M/HS1	**Atomic clusters (with MO)**
MO 2.1–2.5	Mon	11:30–13:00	PH/HS1	**Quantum Control**
MO 3.1–3.7	Mon	14:30–16:30	PH/HS1	**Femtosecond Spectroscopy 1**
MO 4.1–4.8	Mon	14:30–16:30	PH/SR106	**Cold Molecules 1**
MO 5.1–5.23	Mon	17:00–19:00	C/Foyer	**Posters 1: Novelties in Molecular Physics**
MO 6.1–6.8	Mon	17:00–19:00	C/Foyer	**Atomic clusters (with MO)**
MO 7.1–7.7	Tue	11:00–13:00	PH/HS2	**Ion Traps, Molecules, Clusters, Decay and Reactions**
MO 8.1–8.7	Tue	11:00–13:00	PH/HS1	**Theory: Quantum Chemistry**
MO 9.1–9.7	Tue	14:30–16:30	PH/HS1	**Femtosecond Spectroscopy 2**
MO 10.1–10.7	Tue	14:30–16:15	PH/SR106	**Experimental Techniques**
MO 11.1–11.23	Tue	17:00–19:00	C/Foyer	**Posters 2: Novelties in Molecular Physics**
MO 12.1–12.6	Wed	11:00–12:45	PH/HS1	**Photochemistry and Catalysis**
MO 13.1–13.7	Wed	11:00–13:00	PH/SR106	**Collisions & Energy Transfer**
MO 14.1–14.7	Wed	14:30–16:30	PH/HS1	**Cold Molecules 2**
MO 15.1–15.7	Wed	14:30–16:30	PH/SR106	**Clusters in Molecular Physics (with A & MS)**
MO 16.1–16.23	Wed	17:00–19:00	C/Foyer	**Posters 3: Novelties in Molecular Physics**
MO 17.1–17.7	Thu	11:00–13:00	PH/HS1	**Cold Molecules 3**
MO 18.1–18.7	Thu	11:00–13:00	PH/SR106	**Biomolecules**
MO 19.1–19.6	Thu	14:30–16:15	PH/HS1	**Electronic Spectroscopy**
MO 20.1–20.8	Thu	14:30–16:45	PH/SR106	**Theory: Molecular Dynamics**
MO 21.1–21.22	Thu	17:00–19:00	C/Foyer	**Posters 4: Novelties in Molecular Physics**
MO 22.1–22.8	Fri	11:00–13:00	PH/HS1	**Femtosecond Spectroscopy 3**
MO 23.1–23.7	Fri	11:00–12:45	PH/SR106	**Progress on Various Topics in Molecular Physics**

Annual General Meeting of the Molecular Physics Division

Mittwoch 13:00–13:30 PH/SR106

- Bericht des Sprechers
- Vorschläge für Symposien (Hannover 2016)
- Vorschläge für Plenarsprecher (Hannover 2016)
- Verschiedenes