

Molecular Physics Division Fachverband Molekülphysik (MO)

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Overview of Invited Talks and Sessions

(Lecture halls f102 and f142; Poster Empore Lichthof)

Invited Talks

MO 1.1	Mon	11:00–11:30	f102	Infrared Spectroscopy of HHe_n^+ and DHe_n^+ Complexes — •OSKAR ASVANY, STEPHAN SCHLEMMER
MO 3.1	Mon	14:00–14:30	f102	Enantio-selective controllability of asymmetric top molecules — •MONIKA LEIBSCHER, EUGENIO POZZOLI, MARIO SIGALOTTI, UGO BOSCAIN, CHRISTIANE P. KOCH
MO 4.1	Mon	14:00–14:30	f142	Structure and dynamics of gas phase metal clusters — •BERND VON ISSENDORFF
MO 14.1	Wed	14:00–14:30	f142	Elucidating transition metal clusters and complexes in cryo isolation — •GEREON NIEDNER-SCHATTEBURG
MO 14.2	Wed	14:30–15:00	f142	Rotational Studies of (chiral) Molecules/Complexes in Jets (& Flames) — •JENS-UWE GRABOW
MO 21.1	Fri	14:00–14:30	f142	Laboratory experiments as tool to understand the infrared sky at high spectral resolution — •GUIDO W. FUCHS

Invited talks of the joint symposium SYCU

See SYCU for the full program of the symposium.

SYCU 1.1	Mon	11:00–11:30	e415	Photoelectron circular dichroism in the light of resonance enhanced multi-photon ionization — •THOMAS BAUMERT
SYCU 1.2	Mon	11:30–12:00	e415	New strategies for controlled chirality from the rovibrational dynamics of molecules — •ANDREY YACHMENEV
SYCU 1.3	Mon	12:00–12:30	e415	Time-dependency in Photoelectron Circular Dichroism: from femtosecond scale to attosecond — •VALERIE BLANCHET
SYCU 1.4	Mon	12:30–13:00	e415	Synthetic chiral light for efficient control of chiral light-matter interaction — •DAVID AYUSO, OFER NEUFELD, ANDRES F. ORDONEZ, PIERO DECLEVA, GAVRIEL LERNER, OREN COHEN, MISHA IVANOV, OLGA SMIRNOVA

Invited talks of the joint symposium SYAI

See SYAI for the full program of the symposium.

SYAI 1.1	Mon	14:00–14:30	e415	Atom interferometry and its applications for gravity sensing — •FRANCK PEREIRA DOS SANTOS, LUC ABSIL, ROMAIN CALDANI, XIAOBING DENG, ROMAIN KARCHER, SÉBASTIEN MERLET, RAPHAËL PICCON, SUMIT SARKAR
SYAI 1.2	Mon	14:30–15:00	e415	Atom interferometry for advanced geodesy and gravitational wave observation — •PHILIPPE BOUYER
SYAI 1.3	Mon	15:00–15:30	e415	Fundamental physics with atom interferometry — •PAUL HAMILTON
SYAI 1.4	Mon	15:30–16:00	e415	Atoms and molecules interacting with light — •LUCIA HACKERMÜLLER

Invited talks of the joint symposium SYAD

See SYAD for the full program of the symposium.

SYAD 1.1	Tue	11:00–11:30	e415	Electron Pulse Control with Terahertz Fields — ●DOMINIK EHBERGER
SYAD 1.2	Tue	11:30–12:00	e415	Laser-Based High-Voltage Metrology with ppm Accuracy — ●KRISTIAN KÖNIG, CHRISTOPHER GEPPERT, PHILLIP IMGAM, JÖRG KRÄMER, BERNHARD MAASS, JOHANN MEISNER, ERNST OTTEN, STEPHAN PASSON, TIM RATAJCZYK, JOHANNES ULLMANN, WILFRIED NÖRTERSCHÄUSER
SYAD 1.3	Tue	12:00–12:30	e415	Structured singular light fields — ●EILEEN OTTE
SYAD 1.4	Tue	12:30–13:00	e415	Coherent Coupling of a Single Molecule to a Fabry-Perot Microcavity — ●DAQING WANG

Invited talks of the joint symposium SYQL

See SYQL for the full program of the symposium.

SYQL 1.1	Thu	11:00–11:30	e415	The unity of physics: the beauty and power of spectroscopy — ●PAUL JULIENNE
SYQL 1.2	Thu	11:30–12:00	e415	Using spectroscopy to explore the Rb₂ molecule and its formation — ●JOHANNES HECKER DENSCHLAG
SYQL 1.3	Thu	12:00–12:30	e415	Cold molecules: a chemistry kitchen for physicists — ●OLIVIER DULIEU
SYQL 1.4	Thu	12:30–13:00	e415	The birth of a degenerate Fermi gas of molecules — ●JUN YE

Invited talks of the joint symposium SYCM

See SYCM for the full program of the symposium.

SYCM 1.1	Fri	11:00–11:30	e415	Trapped Laser-cooled Molecules for Quantum Simulation, Particle Physics, and Collisions — ●JOHN DOYLE
SYCM 1.2	Fri	11:30–12:00	e415	Cold polyatomic molecules — ●GERHARD REMPE
SYCM 1.3	Fri	12:00–12:30	e415	Collisions between laser-cooled molecules and atoms — ●MICHAEL TARBUTT
SYCM 1.4	Fri	12:30–13:00	e415	Collisions between cold molecules in a superconducting magnetic trap — ●EDVARDAS NAREVICIUS

Sessions

MO 1.1–1.8	Mon	11:00–13:15	f102	Clusters I (joint session MO/A)
MO 2.1–2.7	Mon	14:00–16:15	a320	Atomic Clusters (joint session A/MO)
MO 3.1–3.9	Mon	14:00–16:30	f102	Chiral Molecules
MO 4.1–4.9	Mon	14:00–16:30	f142	Electronic Spectroscopy I
MO 5.1–5.18	Mon	17:00–19:00	Empore Lichthof	MO Poster 1
MO 6.1–6.10	Tue	14:00–16:30	f102	Electronic Spectroscopy II
MO 7.1–7.7	Tue	14:00–15:45	f142	Clusters II (joint session MO/A)
MO 8.1–8.16	Tue	17:00–19:00	Empore Lichthof	MO Poster 2
MO 9.1–9.8	Wed	11:00–13:00	f102	Femtosecond Spectroscopy I
MO 10.1–10.10	Wed	11:00–13:30	f142	Collisions and Reactions
MO 11	Wed	13:30–14:00	f142	Annual General Meeting
MO 12.1–12.1	Wed	13:10–13:55	f303	Lunch talk: German Research Foundation (DFG) (joint session A/K/P/MO/MS/Q)
MO 13.1–13.5	Wed	14:00–15:15	f102	Cold Molecules (joint session MO/Q)
MO 14.1–14.8	Wed	14:00–16:30	f142	Vibrational and Rotational Spectroscopy
MO 15.1–15.17	Wed	17:00–19:00	Empore Lichthof	MO Poster 3
MO 16.1–16.9	Thu	14:00–16:15	f102	Femtosecond Spectroscopy II
MO 17.1–17.8	Thu	14:00–16:00	f142	Theory
MO 18.1–18.6	Thu	14:00–15:45	f442	Cold Molecules II (joint session Q/MO)
MO 19.1–19.23	Thu	17:00–19:00	Empore Lichthof	MO Poster 4
MO 20.1–20.8	Fri	14:00–16:00	f102	Control (joint session MO/Q)
MO 21.1–21.7	Fri	14:00–16:00	f142	Astrophysics and Ions

Annual General Meeting of the Molecular Physics Division

Wednesday 13:30–14:00 f142