

Molecular Physics Division Fachverband Molekülphysik (MO)

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Overview of Invited Talks and Sessions

(Lecture rooms PA 1.150 and PA 2.150; Poster Orangerie and Zelt West)

Invited Talks

MO 3.1	Mon	10:30–11:00	PA 2.150	Electronic structure and relaxation of solvated organic molecules studied by time-resolved photoelectron spectroscopy — JOHAN HUMMERT, GEERT REITSMA, NICOLA MAYER, EVGENII IKONNIKOV, MARTIN ECKSTEIN, ●OLEG KORNILOV
MO 5.1	Mon	14:00–14:30	PA 2.150	Theoretical soft X-ray spectroscopy of transition metal compounds: A multi-reference wave function approach — ●SERGEY I. BOKAREV
MO 5.5	Mon	15:15–15:45	PA 2.150	Tracing the spatial and electronic structure of excited molecules using X-ray FEL and HHG light — ●KIRSTEN SCHNORR
MO 8.1	Mon	16:15–16:45	PA 2.150	Measurement of femtosecond dynamics in HCL molecules with THz streaking — KATHARINA WENIG, MAREK WIELAND, SOPHIE WALTHER, ARNE BAUMANN, ANASTASIOS DIMITRIOU, MARK PRANDOLINI, OLIVER SCHEPP, IVETTE BERMUNDEZ MACIAS, MALTE SUMFLETH, NIKOLA STOJANOVIC, STEFAN DÜSTERER, JULIANE RÖNTSCH-SCHULENBURG, MARKUS DRESCHER, ●ULRIKE FRÜHLING
MO 12.1	Tue	14:00–14:30	PA 2.150	Towards the study of quantum-state-selected Penning reactions — JONAS GRZESIAK, SIMON HOFSSÄSS, VIVIEN BEHRENDT, FRANK STIENKEMEIER, MARCEL MUDRICH, ●KATRIN DULITZ
MO 16.1	Wed	14:00–14:30	PA 2.150	Strong-field ionization of laser-aligned molecules — ●JOCHEN KÜPPER
MO 18.1	Thu	10:30–11:00	PA 2.150	Untersuchungen zur Coulomb-Wechselwirkung bei polyanionischen Metallclustern — MADLEN MÜLLER, ●FRANKLIN MARTINEZ, NORMAN IWE, KLARA RASPE, STEFFI BANDELOW, JOSEF TIGGESBÄUMKER, LUTZ SCHWEIKHARD, KARL-HEINZ MEIWES-BROER
MO 20.1	Thu	14:00–14:30	PA 1.150	Energy and charge transfer processes in helium nanodroplets — ●MARCEL MUDRICH

Invited talks of the joint symposium SYPS

See SYPS for the full program of the symposium.

SYPS 1.1	Mon	14:00–14:30	RW HS	Floquet engineering of interacting quantum gases in optical lattices — ●ANDRÉ ECKARDT
SYPS 1.2	Mon	14:30–15:00	RW HS	Experiments on driven quantum gas and surprises — ●CHENG CHIN
SYPS 1.3	Mon	15:00–15:30	RW HS	Exploring 4D Quantum Hall Physics with a 2D Topological Pumps — ●ODED ZILBERBERG, MICHAEL LOHSE, CHRISTIAN SCHWEIZER, IMMANUEL BLOCH, HANNAH PRICE, YAACOV KRAUS, SHENG HUANG, MOHAN WANG, KEVIN CHEN, JONATHAN GUGLIELMON, MIKAEL RECHTSMAN
SYPS 1.4	Mon	15:30–16:00	RW HS	Floquet Discrete Time Crystals in a Trapped-Ion Quantum Simulator — ●GUIDO PAGANO, JIEHANG ZHANG, PAUL HESS, ANTONIS KYPRIANIDIS, PATRICK BECKER, JACOB SMITH, AARON LEE, NORMAN YAO, TOBIAS GRASS, ALESSIO CELI, MACIEJ LEWENSTEIN, CHRISTOPHER MONROE

Invited talks of the joint symposium SYAD

See SYAD for the full program of the symposium.

SYAD 1.1	Tue	10:30–11:00	RW HS	Integrated photonic quantum walks in complex lattice structures — •MARKUS GRAEFE
SYAD 1.2	Tue	11:00–11:30	RW HS	Testing the Quantumness of Atom Trajectories — •CARSTEN ROBENS
SYAD 1.3	Tue	11:30–12:00	RW HS	Engineering and probing topological bands with ultracold atoms — •NICK FLÄSCHNER
SYAD 1.4	Tue	12:00–12:30	RW HS	Statistical signatures of many-particle interference — •MATTIA WALSCHAERS

Invited talks of the joint symposium SYET

See SYET for the full program of the symposium.

SYET 1.1	Thu	11:00–11:30	RW HS	The quantum design of photosynthesis — •RIENK VAN GRONDELLE
SYET 1.2	Thu	11:30–12:00	RW HS	On systems with and without excess energy in environment: ICD and other interatomic mechanisms — •LORENZ CEDERBAUM
SYET 1.3	Thu	12:00–12:30	RW HS	Molecular QED of Resonance Energy Transfer: Pair and Many- Body Theory — •AKBAR SALAM
SYET 1.4	Thu	12:30–13:00	RW HS	The Experimental Investigation of Interatomic/Intermolecular Coulombic Decay — •UWE HERGENHAHN

Invited talks of the joint symposium SYRP

See SYRP for the full program of the symposium.

SYRP 1.1	Fri	10:30–11:00	RW HS	Attosecond seeding of high energy rescattered electrons — •KENNETH SCHAFFER
SYRP 1.2	Fri	11:00–11:30	RW HS	The molecular selfie - atomic-scale imaging with a single electron — BENJAMIN WOLTER, MICHAEL G. PULLEN, ANH THU LEE, MATTHIAS BAUDISCH, KATHARINA DOBLHOFF-DIER, ARNE SENFTLEBEN, MICHAEL HEMMER, CLAUDIUS DIETER SCHRÖTER, JOACHIM ULLRICH, ROBERT MOSHAM- MER, STEFANIE GRÄFE, ORIOL VENDRELL, CHII DONG LIN, •JENS BIEGERT
SYRP 1.3	Fri	11:30–12:00	RW HS	Multidimensional attosecond spectroscopy — •NIRIT DUDOVICH
SYRP 1.4	Fri	12:00–12:30	RW HS	Recollision-based high-harmonic generation from solids — •GIULIO VAMPA

Sessions

MO 1.1–1.6	Mon	10:30–12:30	K 1.011	Attosecond Science I (joint session A/MO)
MO 2.1–2.8	Mon	10:30–12:30	PA 1.150	Biology Related Molecules
MO 3.1–3.7	Mon	10:30–12:30	PA 2.150	Photoelectron Spectroscopy
MO 4.1–4.7	Mon	14:00–15:45	PA 1.150	Photochemistry
MO 5.1–5.5	Mon	14:00–15:45	PA 2.150	X-Ray and XUV Spectroscopy (joint session MO/A)
MO 6.1–6.5	Mon	16:15–17:45	K 2.016	Atomic Clusters I (joint session A/MO)
MO 7.1–7.6	Mon	16:15–17:45	PA 1.150	High Resolution Spectroscopy
MO 8.1–8.5	Mon	16:15–17:45	PA 2.150	Ultrafast Spectroscopy with XUV (joint session MO/A)
MO 9.1–9.8	Tue	14:00–16:00	K 2.016	Atomic Clusters II (joint session A/MO)
MO 10.1–10.6	Tue	14:00–15:45	K 2.019	Strong laser fields - I (joint session A/MO)
MO 11.1–11.8	Tue	14:00–16:00	PA 1.150	Theoretical Approaches
MO 12.1–12.6	Tue	14:00–15:45	PA 2.150	Cold Molecules and Reactions (joint session MO/A)
MO 13.1–13.21	Tue	16:15–18:15	Orangerie	Posters 1: Ultrafast Spectroscopy
MO 14.1–14.6	Wed	14:00–15:30	K 2.016	Atomic Clusters III (joint session A/MO)
MO 15.1–15.7	Wed	14:00–15:45	PA 1.150	Complex Systems in the Gas Phase
MO 16.1–16.6	Wed	14:00–15:45	PA 2.150	Molecules in Intense Laser Fields (joint session MO/A)
MO 17.1–17.19	Wed	16:15–18:15	Orangerie	Posters 2: Cold Molecules and Clusters
MO 18.1–18.6	Thu	10:30–12:15	PA 2.150	Clusters IV (joint session MO/A)
MO 19	Thu	12:30–13:15	PA 2.150	Annual General Meeting of the Molecular Physics Division
MO 20.1–20.6	Thu	14:00–15:45	PA 1.150	Resonant Energy Transfer and Interatomic Coulombic Decay I

MO 21.1–21.7	Thu	14:00–15:45	PA 2.150	Advanced Time-Resolved Spectroscopy
MO 22.1–22.20	Thu	16:15–18:15	Zelt West	Posters 3: Experimental and Theoretical Techniques and High Resolution Spectroscopy
MO 23.1–23.6	Fri	10:30–12:00	PA 1.150	Resonant Energy Transfer and Interatomic Coulombic Decay II
MO 24.1–24.7	Fri	10:30–12:15	PA 2.150	Experimental Techniques

Annual General Meeting of the Molecular Physics Division

Thursday 12:30–13:15 PA 2.150