

Molecular Physics Division Fachverband Molekülphysik (MO)

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Overview of Invited Talks and Sessions

(lecture rooms HS 38.02 and HS 38.03; Poster.IV)

Invited Talks

MO 1.1	Mon	10:30–11:00	V38.03	Vibrational Molecular Interferometry — •HERMAN L OFFERHAUS, ERIK T GARBACIK, SHAUL MUKAMEL, ALEXANDER CW VAN RHIJN, CEES OTTO, JENNIFER L HEREK
MO 3.1	Mon	14:00–14:30	V38.02	Quantum chemical description of photo-induced molecular processes — •ANDREAS DREUW
MO 9.1	Tue	10:30–11:00	V38.03	The Interplay between Electron Transfer and Förster Resonant Energy Transfer — •IGOR PUGLIESI, PATRICK KÖLLE, REGINA DE VIVIE RIEDLE, HEINZ LANGHALS, EBERHARD RIEDLE
MO 12.1	Tue	14:00–14:30	V38.03	New insights into solution-phase chemistry under ambient conditions via ultrafast X-ray spectroscopy — •NILS HUSE
MO 17.1	Thu	10:30–11:00	V38.03	Ultrafast Processes in Single Molecules: from Small Chromophores to Photosynthetic Antenna Complexes — •RICHARD HILDNER, DAAN BRINKS, RICHARD J. COGDELL, NIEK F. VAN HULST
MO 18.1	Thu	14:00–14:30	V38.02	Excited-states and nonadiabatic dynamics: unveiling mechanistic aspects of ultrafast photoprocesses in nucleobases — •MARIO BARBATTI
MO 23.1	Fri	10:30–11:00	V38.03	A homonuclear polar molecule — •HOSSEIN SADEGHPOUR

Invited talks of the joint symposium SYRA

See SYRA for the full program of the Symposium.

SYRA 1.1	Tue	10:30–11:00	V47.01	Quantum optics and quantum information with Rydberg excited atoms. — •KLAUS MOLMER
SYRA 1.2	Tue	11:00–11:30	V47.01	Cooperative non-linear optics using Rydberg atoms — •CHARLES ADAMS
SYRA 2.1	Tue	14:00–14:30	V47.01	Ultralong-range Rydberg molecules — •THOMAS POHL
SYRA 2.2	Tue	14:30–15:00	V47.01	Quantum Information Processing with Rydberg Atoms — •PHILIPPE GRANGIER

Invited talks of the joint symposium SYIB

See SYIB for the full program of the Symposium.

SYIB 1.1	Tue	10:30–11:00	V55.22	Nuclear physics with stored highly-charged radioactive ions — •YURI LITVINOV
SYIB 1.2	Tue	11:00–11:30	V55.22	High Precision Laser Spectroscopy at the Storage Ring ESR — •WILFRIED NÖRTERSCHÄUSER
SYIB 1.3	Tue	11:30–12:00	V55.22	Storage-ring measurements of hyperfine-induced one-photon transitions in highly charged ions — •STEFAN SCHIPPERS
SYIB 1.4	Tue	12:00–12:30	V55.22	Low-Temperature Molecular Recombination from fast Electron and Ion Beams — •OLDRICH NOVOTNY

SYIB 2.1	Tue	14:00–14:30	V55.22	Ion induced fragmentation of large (bio)molecules — •THOMAS SCHLATHÖLTER
SYIB 2.2	Tue	14:30–15:00	V55.22	Using femtosecond lasers for determining the structure and dynamics of complex molecules — •JASON GREENWOOD
SYIB 2.3	Tue	15:00–15:30	V55.22	Fast beam momentum spectroscopy on XUV excited molecular ions — •HENRIK PEDERSEN
SYIB 2.4	Tue	15:30–16:00	V55.22	Electron Emission from Hot Stored Molecular and Cluster Anions — •MICHAEL LANGE, KLAUS BLAUM, CHRISTIAN BREITENFELDT, MICHAEL FROESE, SEBASTIAN MENK, ANDREAS WOLF, SWARUP DAS, MANAS MUKHERJEE

Sessions

MO 1.1–1.8	Mon	10:30–12:45	V38.03	Vibrational Spectroscopy
MO 2.1–2.7	Mon	10:30–12:15	V38.02	Electronic Spectroscopy
MO 3.1–3.7	Mon	14:00–16:00	V38.02	Quantum Chemistry
MO 4.1–4.8	Mon	14:00–16:00	V38.03	Cold Molecules I
MO 5.1–5.10	Mon	16:30–19:00	V38.02	Experimental Techniques
MO 6.1–6.10	Mon	16:30–19:00	V38.03	Femtosecond Spectroscopy I
MO 7.1–7.6	Tue	10:30–12:30	V47.01	SYRA: Ultracold Rydberg Atoms and Molecules 1
MO 8.1–8.8	Tue	10:30–12:30	V38.02	Photochemistry
MO 9.1–9.7	Tue	10:30–12:30	V38.03	Femtosecond Spectroscopy II
MO 10.1–10.6	Tue	14:00–16:00	V47.01	SYRA: Ultracold Rydberg Atoms and Molecules 2
MO 11.1–11.8	Tue	14:00–16:00	V38.02	Biomolecules
MO 12.1–12.7	Tue	14:00–16:00	V38.03	Femtosecond Spectroscopy III
MO 13.1–13.31	Tue	16:30–19:00	Poster.IV	Poster 1: Cold Molecules, Femtosecond Spectroscopy, Molecular Dynamics
MO 14.1–14.30	Wed	16:30–19:00	Poster.IV	Poster 2: Biomolecules, Electronic Spectroscopy, Experimental Techniques, Quantum Chemistry, Various Topics
MO 15.1–15.10	Thu	10:30–13:00	V7.03	SYRA: Ultracold Rydberg Atoms and Molecules 3
MO 16.1–16.8	Thu	10:30–12:30	V38.02	Collisions and Spectroscopy in He-Droplets
MO 17.1–17.8	Thu	10:30–12:45	V38.03	Femtosecond Spectroscopy IV
MO 18.1–18.7	Thu	14:00–16:00	V38.02	Molecular Dynamics
MO 19.1–19.7	Thu	14:00–16:00	V38.03	Cold Molecules II
MO 20.1–20.6	Thu	14:00–16:00	V57.05	Atomic clusters (with A)
MO 21.1–21.30	Thu	16:30–19:00	Poster.IV	Poster 3: Cluster, Collisions, Energy Transfer, Photochemistry, Spectroscopy in He-Droplets
MO 22.1–22.6	Fri	10:30–12:00	V38.02	Cluster
MO 23.1–23.5	Fri	10:30–12:00	V38.03	Cold Molecules III

Mitgliederversammlung Fachverband Molekülphysik

Dienstag 12:30–13:00 Raum V38.03

- Bericht
- Symposien, Struktur der Tagung
- Verschiedenes