

Molecular Physics Division Fachverband Molekülphysik (MO)

Marcus Motzkus
Physikalisch-Chemisches Institut
Universität Heidelberg
Im Neuenheimer Feld 229
69120 Heidelberg
Marcus.Motzkus@pci.uni-heidelberg.de

Overview of Invited Talks and Sessions

(Lecture Rooms F 102 and F 107; Poster Empore Lichthof)

Invited Talks

MO 4.1	Mon	14:00–14:30	F 102	Quantum Molecular Dynamics studied with the Multiconfiguration Time-Dependent Hartree (MCTDH) method — ●HANS-DIETER MEYER
MO 10.1	Tue	11:00–11:30	F 102	Revealing coherent nuclear wavepacket dynamics in biological photoreceptors — MATZ LIEBEL, ●PHILIPP KUKURA
MO 12.1	Tue	14:00–14:30	F 102	Strong Field Molecular Ionization — ●THOMAS WEINACHT
MO 12.4	Tue	15:00–15:30	F 102	Photoelectron angular distributions of chiral molecules from multiphoton ionization — ●MATTHIAS WOLLENHAUPT, CHRISTIAN LUX, VANESSA BRANDENSTEIN, CRISTIAN SARPE, THOMAS BAUMERT
MO 15.1	Wed	11:00–11:30	F 102	Lasing in Nitrogen Gas Induced by Femtosecond Filamentation — ●ANDRIUS BALTUSKA, DANIIL KARTASHOV, JENS MÖHRING, SKIRMANTAS ALIŠAUSKAS, GIEDRIUS ANDRIUKAITIS, STEFAN HÄSSLER, AUDRIUS PUGŽLYS, ALEKSEI ZHELTIKOV, MARKUS MOTZKUS, MISHA IVANOV, OLGA SMIRNOVA
MO 23.1	Thu	14:00–14:30	F 102	Ultrafast Dynamics of Electronic Excitations in Organic Materials and Structures — ●STEFAN LOCHBRUNNER, HENNING MARCINIAK, FRANZISKA FENNEL, STEFFEN WOLTER
MO 23.6	Thu	15:30–16:00	F 102	Noise-Induced Förster Resonant Energy Transfer between Orthogonal Dipoles in Photoexcited Molecules — ●PETER NALBACH, IGOR PUGLIESI, HEINZ LANGHALS, MICHAEL THORWART
MO 28.1	Fri	11:00–11:30	F 102	Combined IR/IR/UV spectroscopy to analyze structures and proton transfer reactions in different electronic states — ●MARKUS GERHARDS

Invited talks of the joint symposium SYED

See SYED for the full program of the symposium.

SYED 1.1	Mon	11:00–11:30	E 415	Signatures of vibronic and vibrational coherences in electronic 2D-spectra of monomers and aggregates — FRANZ MILOTA, TOMAS MANCAL, HARALD F. KAUFFMANN, ●JÜRGEN HAUER
SYED 1.2	Mon	11:30–12:00	E 415	Beatings in Electronic 2D Spectroscopy — ●TÖNU PULLERITS
SYED 1.3	Mon	12:00–12:30	E 415	Resonant 2D Raman Spectroscopy — ●TIAGO BUCKUP, JAN PHILIP KRAACK, MARCUS MOTZKUS
SYED 1.4	Mon	12:30–13:00	E 415	Coherent Two-Dimensional Electronic Spectroscopy With Triggered Exchange — ●PATRICK NUERNBERGER, STEFAN RUETZEL, MARTIN KULLMANN, JOHANNES BUBACK, TOBIAS BRIXNER
SYED 2.1	Mon	14:00–14:30	E 415	Two-dimensional UV and visible spectroscopy of biological system — ●MAJED CHERGUI, GERALD AUBÖCK, CRISTINA CONSANI, ROBERTO MONNI, ANDRÉ EL HADDAD, FRANK VAN MOURIK
SYED 2.2	Mon	14:30–15:00	E 415	Ultrabroad 2D-UV spectroscopy: from coherent internal conversion in pyrene towards exciton dynamics in DNA — ●IGOR PUGLIESI, NILS KREBS, EBERHARD RIEDLE

SYED 2.3	Mon	15:00–15:30	E 415	Multidimensional XUV-NIR spectroscopy of electronic dynamics in small quantum systems — ●CHRISTIAN OTT, ANDREAS KALDUN, KRISTINA MEYER, PHILIPP RAITH, MARTIN LAUX, ALEXANDER BLÄTTERMANN, THOMAS DING, THOMAS PFEIFER
SYED 2.4	Mon	15:30–16:00	E 415	Correlated Two-electron Wave-Packets in Helium — ●JAVIER MADRONERO

Invited talks of the joint symposium SYUD

See SYUD for the full program of the symposium.

SYUD 1.1	Wed	14:00–14:30	E 415	Electron emission from nanospheres in strong, few-cycle laser fields — ●MATTHIAS KLING, FREDERIK SÜSSMANN, SERGEY ZHEREBTSOV, JOHANNES STIERLE, JÜRGEN PLENGE, ECKART RÜHL, LENNART SEIFERT, THOMAS FENNEL
SYUD 1.2	Wed	14:30–15:00	E 415	Ultrafast dynamics of gas-phase anions — ●JAN R. R. VERLET
SYUD 1.3	Wed	15:00–15:30	E 415	Attosecond Larmor Clock for Ionization — ●OLGA SMIRNOVA, JIVESH KAUSHAL, INGO BARTH, MISHA IVANOV
SYUD 1.4	Wed	15:30–16:00	E 415	Clusters in intense x-ray pulses — ●CHRISTOPH BOSTEDT

Invited talks of the joint symposium SYCD

See SYCD for the full program of the symposium.

SYCD 1.1	Thu	11:00–11:30	E 415	Ultralong range ICD in the He dimer, resonant Auger - ICD cascade processes — ●TILL JAHNKE
SYCD 1.2	Thu	11:30–12:00	E 415	Inter-atomic Coulombic decay in endohedral fullerenes — NARGES BAHMANPOUR, ●VITALI AVERBUKH
SYCD 1.3	Thu	12:00–12:30	E 415	ICD-like decays in aqueous electrolytes — ●GUNNAR ÖHRWALL, NIKLAS OTTOSSON, OLLE BJÖRNEHOLM
SYCD 1.4	Thu	12:30–13:00	E 415	Intermolecular Coulomb decay at heterogeneous interfaces — ●THOMAS ORLANDO, GREGORY GRIEVES

Invited talks of the joint symposium SYMS

See SYMS for the full program of the symposium.

SYMS 1.1	Fri	11:00–11:30	E 415	MS for environmental and radiochemical applications — ●CLEMENS WALTHER
SYMS 1.2	Fri	11:30–12:00	E 415	Modern nuclear mass models — ●STEPHANE GORIELY
SYMS 1.3	Fri	12:00–12:30	E 415	High-accuracy mass measurements for nuclear astrophysics — ●SUSANNE KREIM
SYMS 1.4	Fri	12:30–13:00	E 415	Storage ring mass and lifetime measurements — ●FRITZ BOSCH
SYMS 2.1	Fri	14:00–14:30	E 415	Search for resonant double-electron capture — ●SERGEY ELISEEV, KLAUS BLAUM, MICHAEL BLOCK, CHRISTIAN DROESE, DMITRIY NESTERENKO, YURI NOVIKOV, ENRIQUE MINAYA RAMIREZ, CHRISTIAN ROUX, LUTZ SCHWEIKHARD, KAY ZUBER
SYMS 2.2	Fri	14:30–15:00	E 415	Towards accurate T-3He Q-value — ●TOMMI ERONEN, MARTIN HÖCKER, JOCHEN KETTER, SEBASTIAN STREUBEL, ROBERT S. VAN DYCK, KLAUS BLAUM
SYMS 2.3	Fri	15:00–15:30	E 415	The Avogadro constant and a new definition of the kilogram — ●PETER BECKER
SYMS 2.4	Fri	15:30–16:00	E 415	Dating human DNA with the 14C bomb peak — ●WALTER KUTSCHERA, JAKOB LIEBL, PETER STEIER
SYMS 2.5	Fri	16:00–16:30	E 415	Resonance ionization mass spectrometry — ●KLAUS WENDT

Sessions

MO 1.1–1.7	Mon	11:00–12:45	F 102	Cluster
MO 2.1–2.5	Mon	11:00–12:15	F 107	Electronic Spectroscopy I

MO 3.1–3.4	Mon	11:00–13:00	E 415	SYED: Electronic 2D Spectroscopy from Small to Large Systems I
MO 4.1–4.7	Mon	14:00–16:00	F 102	Quantum Chemistry and Molecular Dynamics I
MO 5.1–5.8	Mon	14:00–16:00	F 107	Cold Molecules I
MO 6.1–6.4	Mon	14:00–16:00	E 415	SYED: Electronic 2D Spectroscopy from Small to Large Systems II
MO 7.1–7.5	Mon	16:30–17:45	F 102	Femtosecond Spectroscopy I: Electronic 2D Spectroscopy (contributed for SYED in MO)
MO 8.1–8.4	Mon	16:30–17:30	F 107	Spectroscopy in He-Droplets
MO 9.1–9.7	Mon	16:30–18:30	B 302	Atomic clusters I (with A)
MO 10.1–10.5	Tue	11:00–12:30	F 102	Femtosecond Spectroscopy II
MO 11.1–11.6	Tue	11:00–12:30	F 107	Infrared and Microwave Spectroscopy
MO 12.1–12.6	Tue	14:00–16:00	F 102	Femtosecond Spectroscopy III
MO 13.1–13.9	Tue	14:00–16:15	F 107	Quantum Chemistry and Molecular Dynamics II
MO 14.1–14.32	Tue	16:00–18:30	Empore Lichthof	Poster 1: Cluster, Femtosecond Spectroscopy
MO 15.1–15.5	Wed	11:00–12:30	F 102	Femtosecond Spectroscopy IV
MO 16.1–16.6	Wed	11:00–12:30	F 107	Cold Molecules II
MO 17.1–17.4	Wed	14:00–16:00	E 415	SYUD: Visualizing Ultrafast Dynamics in atoms, molecules, and clusters
MO 18.1–18.8	Wed	14:00–16:00	F 102	Experimental Techniques
MO 19.1–19.31	Wed	16:00–18:30	Empore Lichthof	Poster 2: Biomolecules, Cold Molecules, Experimental Techniques, Various Topics
MO 20.1–20.4	Thu	11:00–13:00	E 415	SYCD: Interatomic and Intermolecular Coulombic Decay
MO 21.1–21.6	Thu	11:00–12:30	F 102	Femtosecond Spectroscopy V
MO 22.1–22.6	Thu	11:00–12:30	F 107	Biomolecules
MO 23.1–23.6	Thu	14:00–16:00	F 102	Femtosecond Spectroscopy VI
MO 24.1–24.5	Thu	14:00–15:30	F 428	Atomic clusters II (with A)
MO 25.1–25.5	Thu	14:00–15:30	B 302	Interatomic and intermolecular Coulombic decay (contributed for SYCD in A, MO)
MO 26.1–26.7	Thu	14:00–15:45	F 107	Electronic Spectroscopy II
MO 27.1–27.31	Thu	16:00–18:30	Empore Lichthof	Poster 3: Collisions, Electronic Spectroscopy, Energy Transfer, Quantum Chemistry, Molecular Dynamics, Photochemistry, Spectroscopy in He-Droplets
MO 28.1–28.5	Fri	11:00–12:30	F 102	Photochemistry
MO 29.1–29.5	Fri	11:00–12:15	F 107	Collisions and Energy Transfer

Annual General Meeting of the Molecular Physics Division

Tuesday 12:30–13:00 F 102

- Bericht
- Wahl
- Verschiedenes