

Molecular Physics Division Fachverband Molekülphysik (MO)

Stefan Lochbrunner
Institut für Physik, Universität Rostock
Albert-Einstein-Str. 23
18059 Rostock
stefan.lochbrunner@uni-rostock.de

Overview of Invited Talks and Sessions

(Lecture rooms N 6 and N 25; Poster P OGs)

Invited Talks

MO 1.1	Mon	14:30–15:00	N 6	Dynamic Solvent Effects Treated with a Quantum/Classical TDSCF Approach — •MARTIN PESCHEL, JULIUS ZAULECK, FLORIAN ROTT, REGINA DE VIVIE-RIEDLE
MO 3.1	Mon	17:00–17:30	N 6	Single-shot coherent diffractive imaging of individual clusters using a high harmonic source — NILS MONSERUD, DANIELA RUPP, BRUNO LANGBEHN, MARIO SAUPPE, JULIAN ZIMMERMANN, YEVHENIY OVCHARENKO, THOMAS MÖLLER, FABIO FRASSETTO, LUCA POLETTI, ANDREA TRABATTONI, FRANCESCA CALGARI, MAURO MISOLI, KATHARINA SANDER, CHRISTIAN PELTZ, MARC J.J. VRAKING, THOMAS FENNEL, •ARNAUD ROUZÉE
MO 5.1	Tue	11:00–11:30	N 6	Cryo Kinetics and Spectroscopy of 3d Metal Clusters and Alloys — JENNIFER MOHRBACH, SEBASTIAN DILLINGER, MATTHIAS KLEIN, AMELIE EHRHARD, •GEREON NIEDNER-SCHATTEBURG
MO 6.1	Tue	11:00–11:30	N 25	Illuminating Molecular Symmetries with Bicircular High-Order-Harmonic Generation — •DANIEL M. REICH, LARS BOJER MADSEN
MO 7.1	Tue	14:30–15:00	N 6	Cluster Studies with the BerlinTrap — •PABLO NIETO, ALAN GÜNTHER, DAVID MÜLLER, ALEX SHELDRIK, OTTO DOPFER
MO 8.1	Tue	14:30–15:00	N 25	Ultrafast dynamics of a magnetically bistable molecular switch by fs transient absorption spectroscopy — •SEBASTIAN MEGOW, JULIA BAHRENBURG, HENDRIK BÖHNKE, MATS BOHNSACK, MARK DITTNER, MARCEL DOMMASCHK, RAINER HERGES, FRIEDRICH TEMPS
MO 10.1	Wed	14:30–15:00	N 6	Molecular movies of migrating protons on different paths — •HEIDE IBRAHIM, VINCENT WANIE, SAMUEL BEAULIEU, BENJI WALES, BRUNO SCHMIDT, XIAO-MIN TONG, JOE SANDERSON, MICHAEL SCHURMAN, FRANÇOIS LÉGARÉ
MO 13.1	Thu	11:00–11:30	N 6	Ultrafast solvent fluctuations steer the hydrated excess proton in the Zundel cation H_5O_2^+ — •FABIAN DAHMS, RENE COSTARD, EHUD PINES, EVA MARIA BRÜNING, TORSTEN SIEBERT, BENJAMIN P. FINGERHUT, ERIK T. J. NIBBERING, THOMAS ELSAESSER
MO 15.1	Thu	14:30–15:00	N 6	Tracking electronic processes inside dense matter by luminescence — •ANDRÉ KNIE
MO 17.1	Fri	11:00–11:30	N 6	Molecular-Frame Photoelectron Imaging of Controlled Complex Molecules — •JOSS WIESE, SEBASTIAN TRIPPEL, JOCHEN KÜPPER

Invited talks of the joint symposium SYDD

See SYDD for the full program of the symposium.

SYDD 1.1	Mon	14:30–15:00	P 1	Controlling (?) Quantum Dynamics with Open Systems — •DIETER MESCHÉDE
SYDD 1.2	Mon	15:00–15:30	P 1	Many-body physics of driven, open quantum systems: optically driven Rydberg gases — •MICHAEL FLEISCHHAUER
SYDD 1.3	Mon	15:30–16:00	P 1	Theorie getriebener dissipativer Quantensysteme / theory of driven dissipative quantum systems — •TOBIAS BRANDES

SYDD 1.4	Mon	16:00–16:30	P 1	Calorimetry of a Bose-Einstein-condensed photon gas — •MARTIN WEITZ
----------	-----	-------------	-----	--

Invited talks of the joint symposium SYAD

See SYAD for the full program of the symposium.

SYAD 1.1	Wed	11:00–11:30	RW 1	Exciton transport in disordered organic systems — •FRANZISKA FENNEL
SYAD 1.2	Wed	11:30–12:00	RW 1	Quantum dynamics in strongly correlated one-dimensional Bose gases — •FLORIAN MEINERT
SYAD 1.3	Wed	12:00–12:30	RW 1	Dynamics and correlations of a Bose-Einstein condensate of light — •JULIAN SCHMITT
SYAD 1.4	Wed	12:30–13:00	RW 1	Circular dichroism and accumulative polarimetry of chiral femtochemistry — •ANDREAS STEINBACHER

Invited talks of the joint symposium SYAM

See SYAM for the full program of the symposium.

SYAM 1.1	Thu	11:00–11:30	P 1	Buffer gas cooling of antiprotonic helium to T=1.5-1.7 K, and the antiproton to electron mass ratio — •MASAKI HORI
SYAM 1.2	Thu	11:30–12:00	P 1	The BASE Experiment: High-precision comparisons of the fundamental properties of protons and antiprotons — •C. SMORRA, M. BESIRLI, K. BLAUM, M. BOHMAN, M. J. BORCHERT, J. HARRINGTON, T. HIGUCHI, H. NAGAHAMA, Y. MATSUDA, A. MOOSER, C. OSPELKAUS, W. QUINT, S. SELLNER, G. SCHNEIDER, N. SCHOEN, T. TANAKA, J. WALZ, Y. YAMAZAKI, S. ULMER
SYAM 1.3	Thu	12:00–12:30	P 1	Antihydrogen physics at the ALPHA experiment — •NIELS MADSEN
SYAM 2.1	Thu	14:30–15:00	P 1	Muon g-2 — •KLAUS JUNGSMANN
SYAM 2.2	Thu	15:00–15:30	P 1	Antihydrogen physics at ASACUSA and AEGIS — •CHLOÉ MALBRUNOT
SYAM 2.3	Thu	15:30–16:00	P 1	An experiment to measure the anti-hydrogen Lamb shift — •PAOLO CRIVELLI

Sessions

MO 1.1–1.7	Mon	14:30–16:30	N 6	Photochemistry
MO 2.1–2.8	Mon	14:30–16:30	N 25	Precision Experiments on Small Molecules
MO 3.1–3.6	Mon	17:00–18:45	N 6	Diffraction and Coherences (with A)
MO 4.1–4.8	Mon	17:00–19:00	N 25	Spectroscopy of Cold Molecules and Complexes
MO 5.1–5.7	Tue	11:00–13:00	N 6	Clusters I (with A)
MO 6.1–6.6	Tue	11:00–12:45	N 25	Theory of Molecular Dynamics
MO 7.1–7.6	Tue	14:30–16:15	N 6	Helium Droplets and Systems (with A)
MO 8.1–8.7	Tue	14:30–16:30	N 25	Fast Intramolecular Dynamics
MO 9.1–9.20	Tue	17:00–19:00	P OGs	Posters 1: Dichroism, VUV and Xray, Clusters, and Cold Molecules
MO 10.1–10.7	Wed	14:30–16:30	N 6	Highly Excited Molecules and Clusters
MO 11.1–11.8	Wed	14:30–16:30	N 25	Molecular Nanostructures and Solids
MO 12.1–12.20	Wed	17:00–19:00	P OGs	Posters 2: Molecular Dynamics, Clusters, and High Resolution Spectroscopy
MO 13.1–13.7	Thu	11:00–13:00	N 6	Probing Vibrations
MO 14.1–14.8	Thu	11:00–13:00	N 25	Theory of Coupled Systems
MO 15.1–15.7	Thu	14:30–16:30	N 6	Environment Controlled Processes
MO 16.1–16.20	Thu	17:00–19:00	P OGs	Posters 3: Experimental Techniques and Theoretical Approaches
MO 17.1–17.7	Fri	11:00–13:00	N 6	Experimental Techniques
MO 18.1–18.8	Fri	11:00–13:00	N 25	Biomolecules and Electron Transfer
MO 19.1–19.7	Fri	11:00–13:00	N 3	Clusters II (with A)
MO 20.1–20.7	Fri	14:30–16:30	N 3	Clusters III (with A)

Annual General Meeting of the Molecular Physics Division

Tuesday 13:15–14:00 N 6