

Fachverband Molekülphysik (MO)

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Übersicht der Hauptvorträge und Fachsitzungen

(Hörsäle VMP 6 HS-F und VMP 6 HS-G; Poster VMP 8 Foyer)

Preisträger- und Hauptvorträge

MO 10.1	Di	10:30–11:00	VMP 6 HS-G	Ultracold Triplet Molecules in the Rovibrational Ground State — ●FLORIAN LANG, KLAUS WINKLER, CHRISOPE STRAUSS, RUDOLF GRIMM, JOHANNES HECKER DENSCHLAG
MO 14.1	Mi	14:00–14:30	VMP 6 HS-F	Hochaufgelöste Rumpfniveau-Spektroskopie von Schwefelhexafluorid-Clustern — ●ROMAN FLESCHE, ERTUGRUL SERDAROGLU, ANDREY PAVLYCHEV, ECKART RÜHL
MO 16.1	Mi	14:00–14:45	VMP 6 HS-G	Ion-Molekül-Reaktionen unter der Lupe — ●ROLAND WESTER
MO 18.1	Do	10:30–11:00	VMP 6 HS-F	Disturbing spectral interferences and their suppression in Femtosecond Stimulated Raman Microscopy (FSRM) — BENJAMIN MARX, EVELYN PLOETZ, ●PETER GILCH
MO 19.1	Do	14:00–14:30	VMP 6 HS-F	Femtosecond spectroscopy of alkali-doped helium nanodroplets — ●MARCEL MUDRICH, PHILIPP HEISTER, MARTIN SCHLESINGER, WALTER STRUNZ, FRANK STIENKEMEIER
MO 20.1	Do	10:30–11:15	VMP 6 HS-G	Photophysics of hydrogen bond: from theory to applications — ●ANDRZEJ L. SOBOLEWSKI
MO 24.1	Fr	10:30–11:00	VMP 6 HS-G	Photophysics and Photodissociation Dynamics of Reactive Species — ●INGO FISCHER

Hauptvorträge des Symposiums Lokalisierung und Verschränkung in photoinduzierten Prozessen (SYLV)

Siehe SYLV für das komplette Programm des Symposiums.

SYLV 1.1	Mo	14:00–14:30	VMP 8 HS	Coherence, interference and entanglement in the photoionization of homonuclear diatomic molecules — ●REINHARD DÖRNER, M. SCHÖFFLER, T. JAHNKE, K. KREIDI, D. AKOURY, L.P.H. SCHMIDT, H. SCHMIDT-BÖCKING, J. TITZE, N. NEUMANN, T. WEBER, M.H. PRIOR, A. BELKACEM, P. RANITOVIC, C.L. COCKE, A. LANDERS, S. SEMENOV, N. CHEREPKOV
SYLV 1.2	Mo	14:30–15:00	VMP 8 HS	Quantum Interfaces between Nanomechanical Systems and Cold Atoms — ●PETER ZOLLER
SYLV 1.3	Mo	15:00–15:30	VMP 8 HS	Electron entanglement studied by Doppler-resolved electron spectroscopy — ●SVANTE SVENSSON
SYLV 1.4	Mo	15:30–16:00	VMP 8 HS	Entanglement-assisted Ramsey Spectroscopy with Atomic Ensembles — ●EUGENE POLZIK
SYLV 2.1	Mo	16:30–17:00	VMP 8 HS	Coherent photoelectron emission from diatoms: Influence of scattering, recoil, and dissociation — ●KIYOSHI UEDA
SYLV 2.2	Mo	17:00–17:30	VMP 8 HS	Atom-Photon Entanglement — ●HARALD WEINFURTER, FLORIAN HENKEL, JULIAN HOFMANN, MICHAEL KRUG, NORBERT ORTEGL, BENJAMIN ROSENFELD, JÜRGEN VOLZ, MARKUS WEBER
SYLV 2.3	Mo	17:30–18:00	VMP 8 HS	Space-time entanglement: A realization of EPR's original proposal — ●BURKHARD LANGER, UWE BECKER

SYLV 2.4	Mo	18:00–18:30	VMP 8 HS	A long-distance quantum gate between matter qubits — ●P. MAUNZ, S. OLMSCHENK, D. HAYES, D. N. MATSUKEVICH, L.-M. DUAN, C. MONROE
SYLV 2.5	Mo	18:30–19:00	VMP 8 HS	Space-QUEST: Experiments with quantum entanglement in space — ●RUPERT URSIN, THOMAS JENNEWINE, ANTON ZEILINGER

Hauptvorträge des Symposiums S-AMOP Dissertationspreis (SYDI)

Siehe SYDI für das komplette Programm des Symposiums.

SYDI 1.1	Di	10:30–11:00	VMP 8 HS	Experimental manipulation of atoms and photons: the application in quantum information processing — ●YU-AO CHEN
SYDI 1.2	Di	11:00–11:30	VMP 8 HS	Cavity QED with a Bose-Einstein Condensate — ●TOBIAS DONNER, STEPHAN RITTER, FERDINAND BRENNECKE, ANTON OETTL, THOMAS BOURDEL, MICHAEL KOEHL, TILMAN ESSLINGER
SYDI 1.3	Di	11:30–12:00	VMP 8 HS	Poking and probing strongly correlated gases in optical lattices — ●SIMON FÖLLING, ARTUR WIDERA, STEFAN TROTZKY, OLAF MANDDEL, TATJANA GERICKE, TORBEN MÜLLER, FABRICE GERBIER, PATRICK CHEINET, IMMANUEL BLOCH
SYDI 1.4	Di	12:00–12:30	VMP 8 HS	Discrete optics in femtosecond-laser written photonic structures — ●ALEXANDER SZAMEIT

Hauptvorträge des Symposiums High resolution spectroscopy – modern trends and new techniques (SYHR)

Siehe SYHR für das komplette Programm des Symposiums.

SYHR 1.1	Do	10:30–11:10	VMP 8 R05	High-Resolution Rotational Spectroscopy: New Waves — ●JENS-UWE GRABOW
SYHR 1.2	Do	11:10–11:50	VMP 8 R05	Some like it cold – aggregation and dissociation of HCl and water in helium nanodroplets — GERHARD SCHWAAB, ●OZGUR BIRER, ANNA GUTBERLETH, MARTINA HAVENITH
SYHR 1.3	Do	11:50–12:30	VMP 8 R05	High resolution electronic spectroscopy of anisole dimer — ●GIANGAETANO PIETRAPERZIA, MASSIMILIANO PASQUINI, NICOLA SCHICCHERI, GIOVANNI PIANI, MAURIZIO BECUCCI
SYHR 2.1	Do	14:00–14:40	VMP 8 R05	Microwave Spectroscopy of Weakly Bound Systems and Floppy Molecules — ●WOLFGANG STAHL
SYHR 2.2	Do	14:40–15:20	VMP 8 R05	Rovibrational spectroscopy on cold trapped molecular ions below 0.1 K — ●BERNHARD ROTH
SYHR 2.3	Do	15:20–16:00	VMP 8 R05	Eigenstate-resolved electronic spectroscopy of large molecules in the gas phase. — ●DAVID W. PRATT
SYHR 3.1	Do	16:30–17:10	VMP 8 R05	Automated fitting of High Resolution spectra from the MW to the UV — ●W. LEO MEERTS
SYHR 3.2	Do	17:10–17:50	VMP 8 R05	High resolution spectroscopy using supersonic planar plasma expansions — ●HAROLD LINNARTZ
SYHR 3.3	Do	17:50–18:30	VMP 8 R05	Discussion of the Results of the Symposium — ●DAVID PRATT, HAROLD LINNARTZ, WOLFGANG STAHL, GERHARD SCHWAAB, JENS-UWE GRABOW, BERNHARD ROTH, GIANGAETANO PIETRAPERZIA, W. LEO MEERTS

Hauptvorträge des Symposiums Single Molecule Spectroscopy of Nanoobjects (SYSM)

Siehe SYSM für das komplette Programm des Symposiums.

SYSM 1.1	Do	10:30–11:10	VMP 8 HS	Dynamics of Semiconductor Nanocrystals and Quantum dot- Dye Assemblies — ●CHRISTIAN VON BORCZYKOWSKI
SYSM 1.2	Do	11:10–11:50	VMP 8 HS	Ultrafast spectroscopy of nanoplasmonic systems — ●MARKUS LIPITZ
SYSM 1.3	Do	11:50–12:30	VMP 8 HS	Hot Brownian Motion and Photothermal Correlation Spectroscopy — ●ROMY RADÜNZ, DANIEL RINGS, KLAUS KROY, FRANK CICHOS

SYSM 2.1	Do	14:00–14:40	VMP 8 HS	Single Emitters Coupled to Optical Nano-Antennas — TIM H. TAMINIAU, FERNANDO D. STEFANI, ALBERTO GONZALEZ-CURTO, ●NIEK F. VAN HULST
SYSM 2.2	Do	14:40–15:20	VMP 8 HS	Tracking of transport dynamics in living cells — ●RALF BAUSINGER, CHRISTIAN JÜNGST, ANDREAS ZUMBUSCH
SYSM 2.3	Do	15:20–16:00	VMP 8 HS	Photoswitching microscopy with subdiffraction optical resolution — ●MARKUS SAUER, MIKE HEILEMANN, SEBASTIAN VAN DE LINDE
SYSM 3.1	Do	16:30–17:10	VMP 8 HS	Fluorophores as optical sensors for local forces — ●STEFAN MARAWSKE, DENIS DÖRR, DANIEL SCHMITZ, AXEL KOSLOWSKI, YOU LU, HELMUT RITTER, WALTER THIEL, CLAUS A.M. SEIDEL, RALF KÜHNEMUTH
SYSM 3.2	Do	17:10–17:50	VMP 8 HS	Single molecule studies of electronic excitation energy transfer: From transfer rates and mechanisms to manipulation — ●THOMAS BASCHE
SYSM 3.3	Do	17:50–18:30	VMP 8 HS	Femtosecond Time-Resolved Spectroscopy of Single Molecules — ●RICHARD HILDNER, DAAN BRINKS, NIEK F. VAN HULST

Fachsitzungen

MO 1.1–1.6	Mo	10:45–12:15	VMP 8 HS	Ultrakalte Moleküle (mit Q)
MO 2.1–2.8	Mo	14:00–16:00	VMP 6 HS-F	Biomoleküle 1
MO 3.1–3.2	Mo	16:30–17:00	VMP 6 HS-F	Biomoleküle 2
MO 4.1–4.2	Mo	17:00–17:30	VMP 6 HS-F	Verschiedenes
MO 5.1–5.8	Mo	14:00–16:00	VMP 6 HS-G	Quantenkontrolle 1
MO 6.1–6.2	Mo	16:30–17:00	VMP 6 HS-G	Quantenkontrolle 2
MO 7.1–7.8	Di	10:30–12:30	VMP 6 HS-F	Femtosekundenspektroskopie 1
MO 8.1–8.8	Di	14:00–16:00	VMP 6 HS-F	Femtosekundenspektroskopie 2
MO 9.1–9.6	Di	16:30–18:00	VMP 6 HS-F	Femtosekundenspektroskopie 3
MO 10.1–10.7	Di	10:30–12:30	VMP 6 HS-G	Kalte Moleküle 1
MO 11.1–11.8	Di	14:00–16:00	VMP 6 HS-G	Kalte Moleküle 2
MO 12.1–12.2	Di	16:30–17:00	VMP 6 HS-G	Kalte Moleküle 3
MO 13.1–13.48	Di	16:30–19:00	VMP 8 Foyer	Molekülphysik Poster 1
MO 14.1–14.8	Mi	14:00–16:15	VMP 6 HS-F	Cluster
MO 15.1–15.4	Mi	16:45–17:45	VMP 6 HS-F	Theorie: Quantenchemie
MO 16.1–16.5	Mi	14:00–16:00	VMP 6 HS-G	Stossprozesse, Energietransfer 1
MO 17.1–17.5	Mi	16:30–17:45	VMP 6 HS-G	Stossprozesse, Energietransfer 2
MO 18.1–18.7	Do	10:30–12:30	VMP 6 HS-F	Experimentelle Techniken
MO 19.1–19.3	Do	14:00–15:00	VMP 6 HS-F	Spektroskopie in He-Tröpfchen
MO 20.1–20.6	Do	10:30–12:30	VMP 6 HS-G	Photochemie 1
MO 21.1–21.4	Do	14:00–15:00	VMP 6 HS-G	Photochemie 2
MO 22.1–22.4	Do	15:15–16:15	VMP 6 HS-G	Theorie: Moleküldynamik
MO 23.1–23.15	Do	16:30–19:00	VMP 8 Foyer	Molekülphysik Poster 2
MO 24.1–24.9	Fr	10:30–13:00	VMP 6 HS-G	Elektronische Spektroskopie

Mitgliederversammlung Fachverband Molekülphysik

Dienstag 13:30–14:00 VMP 6 HS-G

- Bericht des MO-Vorsitzenden
- Vorschläge für Symposien
- Verschiedenes