Symposium Lokalisierung und Verschränkung in photoinduzierten Prozessen (SYLV)

gemeinsam veranstaltet von den Fachverbänden
Atomphysik (A),
Molekülphysik (MO) und
Quantenoptik und Photonik (Q)

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Übersicht der Hauptvorträge und Fachsitzungen

(Hörsaal VMP 8 HS)

Hauptvorträge

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.Ph.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 Dopppler-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, Wenjamin 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 Jennewein, Anton Zeilinger

Fachsitzungen

SYLV 1.1–1.4	Mo	14:00–16:00	VMP 8 HS	**SYLV I**
SYLV 2.1–2.5	Mo	16:30–19:00	VMP 8 HS	**SYLV II**