

Symposium Variations of Fundamental Constants: Theory and Experiment (SYFC)*

jointly organized by
the Quantum Optics and Photonics Division (Q) and
the Atomic Physics Division (A)

*supported by the cluster of excellence “Centre for Quantum Engineering and Space-Time Research” (QUEST)

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Overview of Talks and Sessions

(lecture room A 001)

Talks

SYFC 1.1	Mo	14:00–14:30	A 001	Fundamental constants, gravitation and cosmology — ●JEAN-PHILIPPE UZAN
SYFC 1.2	Mo	14:30–15:00	A 001	Molecular hydrogen in the lab and in the early universe; search for varying μ — ●WIM UBACHS
SYFC 1.3	Mo	15:00–15:30	A 001	Stability of the proton-to-electron mass ratio tested with molecular spectroscopy using an optical link to frequency reference — ●ANNE AMY-KLEIN, ALEXANDER SHELKOVNIKOV, ROBERT J. BUTCHER, OLIVIER LOPEZ, CHRISTOPHE DAUSSY, HAIFENG JIANG, FABIEN KÉFÉLIAN, GIORGIO SANTARELLI, CHRISTIAN CHARDONNET
SYFC 1.4	Mo	15:30–16:00	A 001	Optical clocks with trapped ions and the search for variations of fundamental constants — ●EKKEHARD PEIK
SYFC 2.1	Mo	16:30–17:00	A 001	Gravitational and cosmological probes of varying fundamental parameters — ●THOMAS DENT
SYFC 2.2	Mo	17:00–17:30	A 001	The astrophysical search for varying fundamental constants — ●NILS PRAUSE
SYFC 2.3	Mo	17:30–17:45	A 001	Variability of the proton-to-electron mass ratio on cosmological scales - quantification and handling of systematics — ●MARTIN WENDT
SYFC 2.4	Mo	17:45–18:00	A 001	Towards Direct Frequency Comb Spectroscopy of Metal Ions — ●BOERGE HEMMERLING, DANIEL NIGG, IVAN V. SHERSTOV, PIET O. SCHMIDT

Sessions

SYFC 1.1–1.4	Mo	14:00–16:00	A 001	Variations of Fundamental Constants I
SYFC 2.1–2.4	Mo	16:30–18:00	A 001	Variations of Fundamental Constants II