

Joint annual meeting of Swiss and Austrian Physical Societies 2017

Thursday 24 August 2017

Atomic Physics and Quantum Optics: I: Quantum Optics and Quantum Information - Room 5 (10:45 - 12:30)

time	[id] title	presenter
10:45	[258] □501□ Temporal control of polarization entanglement in semiconductor waveguides	Mr SCHLAGER, Alexander
11:00	[338] □502□ On the inequivalence of the CH and CHSH inequalities due to finite statistics	RENOU, Marc Olivier
11:15	[354] □503□ Simple atomic quantum memory suitable for semiconductor quantum dot single photons	Mr BUSER, Gianni
11:30	[349] □504□ Experimental certification of millions of genuinely entangled atoms in a solid	FRÖWIS, Florian
11:45	[386] □505□ Robust quantum state transfer in photonic networks	Mr GUIMOND, Pierre-Olivier
12:00	[174] □506□ Universal systematic polarization-dependent errors at the wavelength-scale for position measurements in super-resolution microscopy	WALSER, Stefan
12:15	[394] □507□ Memory network dynamics in projective simulation model	MELNIKOV, Alexey A.

Atomic Physics and Quantum Optics: II: Matter Waves and Cavity QED - Room 5 (14:00 - 15:45)

time	[id] title	presenter
14:00	[372] □511□ A free space selfordered atom-photon crystal	Prof. RITSCH, Helmut
14:30	[383] □512□ Disorder-Driven Density and Spin Self-Ordering of a Spinor Bose-Einstein Condensate in a Cavity	MIVEHVAR, Farokh
14:45	[221] □513□ Subradiance via entanglement in atoms with several independent decay channels	Dr OSTERMANN, Laurin
15:00	[152] □514□ Quantum-Interference assisted Metrology with Vitamins in the Gas Phase	Dr MAIRHOFER, Lukas
15:15	[291] □515□ Optimal preparation of vibrational state superpositions in a 1D Bose-Einstein condensate	MAIWÖGER, Mira
15:30	[239] □516□ The Symplectic Fermi Liquid and its realization in cold atomic systems	RAMIRES, Aline

Friday 25 August 2017

Atomic Physics and Quantum Optics: III: Atomic Precision Spectroscopy - Room 5 (11:15 - 12:45)

time	[id] title	presenter
11:15	[402] □521□ Laser-pumped high performance vapor-cell atomic clocks	Prof. MILETI, Gaetano
11:45	[105] □522□ PHySES - Measurement of the Positronium Hyperfine Structure in the first Excited State	HEISS, Michael
12:00	[343] □523□ Laser cooled anions as a sympathetic coolant	Mr FESEL, Julian Valentin
12:15	[179] □524□ Superconductor Shielding of Pb and Nb tubes for momentum sensitive measurements of neutral Antimatter	Mr HINTERBERGER, Alexander
12:30	[138] □525□ Search for a violation of the Pauli Exclusion Principle with electrons in an underground laboratory	PICHLER, Andreas