

Session Program

10-14 Jun 2024

PSAS'2024 - International Conference on Precision Physics of Simple Atomic Systems

Poster Session 2

ETH Zurich- Honggerberg Campus

Wednesday 12 June

18:00

Poster Session 2

Session | **Location:** ETH Zurich- Hönggerberg Campus

18:00–20:00

Rydberg atom interferometry for testing the Weak Equivalence Principle with positronium

Speaker

Louise McCaul

18:00–20:00

Status of the Hydrogen 1S-3S Direct Frequency Comb Spectroscopy Experiment

Speaker

Derya Taray

18:00–20:00

Electric field sensing in a rectangular waveguide using microwave spectroscopy of Rydberg helium

Speaker

Samuel Reeder

18:00–20:00

Developments of a computational relativistic QED framework for two-spin-1/2-particle systems

Speaker

Péter Jeszenszki

18:00–20:00

Evaluation of self-energy correction in a finite-basis approximation

Speaker

David Ferenc

18:00–20:00

Accurately obtaining muonic hydrogen hyperfine splitting from the electronic result

Speaker

Carl Carlson

18:00–20:00

Alpha and helion particle nuclear charge determination from precision measurements in quantum degenerate helium

Speaker

Kees Steinebach

18:00–20:00

Towards XUV Frequency Comb Spectroscopy of the 1s-2s Transition in He+

Speaker

Jorge Moreno

18:00–20:00

One-Particle Operator Representation over Two-Particle Basis Sets for Relativistic QED Computation**Speaker**

Peter Hollosy

18:00–20:00

Progresses towards positronium 1S-2S spectroscopy**Speaker**

Lucas de Sousa Borges

18:00–20:00

High-Resolution Spectroscopy of Muonic Lithium - First Steps and Prospects of the QUARTET Experiment**Speaker**

Katharina von Schoeler

18:00–20:00

Casimir forces on atoms in dielectric cavities.**Speaker**

Mr Stanisław Rakowski

18:00–20:00

The Mu-MASS Experiment - Status and Outlook**Speaker**

Marcus Mähring

18:00–20:00

Weighted average of scattered data: a Bayesian approach**Speaker**

Martino Trassinelli

18:00–20:00

Positron binding to neutral beryllium atom: relativistic effects and fine structure**Speaker**

Sergiy Bubin

18:00–20:00

Muonic Atom Spectroscopy of ^{238}U **Speaker**

Anastasia Doinaki

18:00–20:00

A new approach for a precise measurement of the Ortho-Positronium lifetime**Speaker**

Valentin Jascha Schmidt

18:00–20:00

Pulsed CW laser for spectroscopic precision measurements in deep-UV**Speaker**

Edward Thorpe-Woods

18:00–20:00

Two photon optical Ramsey spectroscopy of positronium and muonium**Speaker**

Evans Javary

18:00–20:00

From the measurement of the Lamb Shift in Muonium towards its Fine Structure**Speaker**

Svenja Geissmann

18:00–20:00

The Hydrogen 1S-3S Direct Frequency Comb Spectroscopy Experiment - Overview and Update of the Detection Scheme**Speaker**

Vincent Weis

18:00–20:00

The S-wave H^{∞} resonances by Lagrange-mesh methods**Speaker**

Prof. J  r  my DOHET-ERALY

18:00–20:00

Free-space microwave spectroscopy of the positronium $n=2$ fine structure intervals**Speaker**

Ross Sheldon

18:00–20:00

Low-excitation transport and separation of high-mass-ratio mixed-species ion chains**Speaker**

Francesco Lancellotti

18:00–20:00

The ASACUSA-Cusp experiment**Speaker**

Andreas Lanz

18:00–20:00

Two-photon exchange in light muonic atoms.**Speaker**

Vladyslava Sharkovska

18:00–20:00

Spin-Dependent Exotic Interactions**Speaker**

Lei Cong

20:00