

Session Program

14-18 May 2018



PSAS'2018 - International Conference on Precision Physics of Simple Atomic Systems

Poster Session, Monday

Monday 14 May

17:40

Poster Session, Monday: Mo5

Session | **Location:** University of Vienna, Sky Lounge, Oskar Morgenstern Platz 1, 1090 Vienna, Austria

17:40–17:45

P,T -odd Faraday effect in heavy neutral atoms

Speaker

Dmitrii Chubukov

17:45–17:50

Nonadiabatic rotational states of H₂, HD, and D₂

Speaker

Jacek Komasa

17:50–17:55

Relativistic corrections for the ground state of hydrogen molecule

Speaker

Dr Liming Wang

18:05–18:10

Precision Tests of Fundamental Interactions with Ion Trap Experiments

Speaker

Dr Wolfgang Quint

18:10–18:15

The relativistic and radiative corrections to polarizability of hydrogen-like atoms

Speaker

Dr Wanping Zhou

18:15–18:20

Precision x-ray spectroscopy of the 1s Lamb shift in high-Z hydrogen-like systems

Speaker

Günter Weber

18:20–18:25

High-precision Ramsey-comb spectroscopy in the XUV spectral range for tests of bound-state QED and the proton radius

Speaker

Ms Laura Dreissen

18:25–18:30

The next generation of laser spectroscopy experiments of light muonic atom

Speaker

Dr Stefan Schmidt

18:30–18:35

Hyperfine structure in heavy muonic atoms

Speaker

Mr Niklas Michel

18:35–18:40

Towards Sympathetic Cooling of a Single (Anti)Proton in a Penning Trap for a High-Precision Measurement of the Particle's Magnetic Moment

Speaker

Markus Wiesinger

18:40–18:55

A New Silicon Drift Detector System for Kaonic Atom Measurements**Speaker**

Ms Carina Trippel

18:55–19:00

Charged particle veto detector for a kaonic deuterium measurement at DAFNE**Speaker**

Marlene Tüchler

19:00–19:05

Status Update of NoMoS**Speaker**

Daniel Moser

19:05–19:10

3D-imaging of antimatter annihilation using the ASACUSA Micromegas tracker**Speaker**

Dr Volkhard Maeckel

19:10–19:15

Positron Production and Storage for Antihydrogen Production**Speaker**

Volkhard Maeckel

19:15–19:20

Near threshold ionization of argon by positron impact**Speaker**

Tamara Babij

19:30