

Session Program

18-22 May 2026



International Conference on Precision Physics of Simple Atomic Systems

Poster Session 1

ÖAW, Festsaal, Theatersaal
Dr. Ignaz Seipel-Platz 2, 1010 Vienna (Mon-Wed) Sonnenfelsgasse 19, 1010 Vienna (Thu, Fri) (home
symbol on map linked below)

Monday 18 May

17:40

Poster Session 1

Session | **Location:** ÖAW, Aula, Doktor-Ignaz-Seipel-Platz 2, 1010 Vienna

17:40–17:41

Recent advancements in 148nm continuous-wave lasers for Th-229 nuclear spectroscopy

Speaker

Felix Schneider

17:41–17:42

Waveguide Design for Muonium Fine-Structure

Speaker

Iren Ignatov

17:42–17:47

Towards Trapping of Hydrogen Atoms for Computable Optical Clock Applications

Speaker

Patrick Schaile

17:47–17:48

Non-adiabatic, relativistic, and QED corrections to the rovibrational intervals of He_2^+ ($\text{a}^3\Sigma_u^+$) and He_2^+ ($X^1\Sigma_u^+$)

Speaker

Dr. Ádám Margócsy

17:48–17:49

High Precision Resolution of the Dirac equation for H_2^+ using the Finite Element Method

Speaker

Mr Mathis Panet

17:49–17:50

The LSym experiment: a CPT symmetry test in the leptonic sector

Speaker

Fabian Raab

17:50–17:51

Muonium HFS Uncertainty Revisited

Speaker

Prof. Michael Eides

17:51–17:52

Hadronic vacuum polarization contributions to spectra of hydrogenlike atoms and ions

Speaker

Vadim Lensky

17:52–17:53

Wichmann-Kroll vacuum polarization correction to lithium-like systems in a Gaussian basis set

Speaker

Haisum Hayat

17:53–17:54 **muCool: low-energy and high brightness positive muon beam****Speaker**

Joanna Peszka

17:54–17:55

Design and construction of a whispering gallery spectrometer for cold atomic hydrogen**Speaker**

Katharina Schreiner

17:55–17:56

CPT and Lorentz invariance tests by hydrogen and deuterium hyperfine measurements**Speaker**

Martin Simon

17:56–17:57

Magnetic shielding in the atomic hydrogen anion**Speaker**

Tymon Kilich

17:57–17:58

Double-pair Coulomb and Breit photon correction to the correlated relativistic energy**Speaker**

Péter Jeszenszki

17:58–17:59

Simulating spectroscopy of antiprotonic atoms featuring a TES detector**Speaker**

Quentin Senetaire

17:59–18:00

High-precision quantum dynamics of He_2 over the $\text{b}^3\Pi_g^-$ $\text{c}^3\Sigma_g^+$ electronic subspace by including non-adiabatic, relativistic, and QED corrections and couplings**Speaker**

Balázs Rácsai

18:00–18:01

Molecular effects in low-energy muon transfer from muonic hydrogen to oxygen**Speaker**

Dimitar Bakalov

18:01–18:02

Be⁺-Assisted Antihydrogen Trapping for Precision Measurements at ALPHA**Speaker**

Maria Beatriz Gomes Goncalves

18:02–18:03

Precision Spectroscopy and Nuclear Structure Information of $^{3,4}\text{He}$ and $^{6,7}\text{Li}$

Speaker

Xiao-Qiu Qi

18:03-18:04

High precision x-ray spectroscopy of Antiprotonic Atoms**Speaker**

Goncalo Garces Sobreira Rodrigues Baptista

18:04-18:05

Standard Model tests with precision spectroscopy of atomic hydrogen and deuterium**Speaker**

Vitaly Wirthl

18:05-18:06

Testing Exotic Electron-Electron Interactions with the Helium Ionization-Energy Anomaly**Speaker**

Lei Cong

18:06-18:07

Diamond-Anvil Measurement of Muon-Catalyzed Fusion Kinetics: The MuFusE Experiment**Speaker**

Daniel Mayer

18:07-18:08

Precision Measurement of the electron orbital g-factor**Speaker**

Ayodeji Awobode

20:20