

Session Program

18-22 May 2026



International Conference on Precision Physics of Simple Atomic Systems

Poster Session 2

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

Tuesday 19 May

17:40

Poster Session 2

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

17:40-17:41 **Cold sources of atomic hydrogen and its isotopes**

Speaker

Sergey Vasiliev

17:41-17:42 **Improved theory of μ H hyperfine splitting**

Speaker

Andrzej Maroń

17:42-17:43

Updates towards a high precision Ortho-Positronium lifetime measurement with a PET-like detector

Speaker

Valentin Schmidt

17:43-17:44

Trapping and sympathetic cooling of Th-232(3+) ions in a linear ion trap

Speaker

Wenting Gan

17:44-17:45

Experimental progress towards precision spectroscopy of 1S-2S interval of laser-cooled Positronium

Speaker

Ms Akiho Tanaka

17:45-17:46

Multireference FSRCC study of clock transition properties and isotope shift in fermionic and bosonic Hg atomic clock

Speaker

Palki Gakkhar

17:46-17:47

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

Speaker

Florian Egli

17:47-17:48 **Muonium interferometry for the LEMING experiment**

Speaker

Siegfried Werlen

17:48-17:49 **Commissioning of and upgrades to the Mu-MASS experiment**

Speaker

Marcus Mähring

17:49-17:50 Low-Energy Antiproton-Nucleus Annihilation in Thin Targets**Speaker**

Viktoria Kraxberger

17:50-17:51

Driving the hyperfine spin-flip transition in muonic hydrogen: the mid-infrared laser of the FAMU experiment**Speaker**

Eugenio Fasci

17:51-17:52

Direct Frequency Comb Spectroscopy of the 1S-3S Transition in Atomic Hydrogen**Speaker**

Vincent Weis

17:52-17:53

Relativistic QED corrections to the correlated no-pair Dirac-Coulomb(-Breit) energy**Speaker**

Ádám Nonn

17:53-17:54

New results and future prospects of the positronium 1S-2S experiment**Speaker**

Evans Javary

17:55-17:56

Characterising the Atomic Hydrogen beam for precision spectroscopic experiments**Speaker**

Surabhi Deshpande

17:56-17:57

Spin-dependent terms of the Breit-Pauli Hamiltonian evaluated with an explicitly correlated Gaussian basis set for molecular computations**Speakers**

Peter Hollosy, Péter Jeszenszki

17:57-17:58

A Zeeman decelerator, for enhancing the creation of GQSs**Speaker**

Elio Bera

17:58-17:59

Precision measurements of fundamental physics with simple molecules**Speaker**

Tesse Tiemens

17:59-18:00

One-particle operator representation over two-particle basis sets for relativistic QED computations**Speaker**

Peter Hollosy

18:00-18:01

Neutrino mass measurements with KATRIN and atomic source development for future experiments

Speaker

Caroline Rodenbeck

18:01-18:02

Probing nuclear charge radii and QED with ultracold helium

Speaker

Kees Steinebach

18:02-18:03

Towards high-precision laser spectroscopy of single H_2^+ ion

Speaker

Foivos Vouzinas

20:30