Session Program

10–14 Jun 2024

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

Session 2

ETH Zurich- Hönggerberg Campus

Monday 10 June

14:00

Session 2

Session | **Location:** ETH Zurich- Hönggerberg Campus | **Convener:** Fabian Schmid

14:00–14:30 **Metrology of Rydberg-Stark states in the hydrogen atom**

Speaker
Simon Scheidegger

14:30–15:00 **Hydrogen spectroscopy as a test of the Standard Model to below 1 part per trillion**

Speaker
Lothar Maisenbacher

15:00–15:20 **Precision spectroscopy of the 2S-6P transition in atomic deuterium**

Speaker
Vitaly Wirthl

15:20–15:45 **Two-loop self-energy without expansion in binding field: present status and recent developments**

Speaker
Vladimir Yerokhin

15:45

16:15

Session 2

Session | **Location:** ETH Zurich- Hönggerberg Campus | **Convener:** Fabian Schmid

16:15–16:45 **How to trap atomic hydrogen without laser cooling**

Speaker
Thomas Udem

16:45–17:15 **Development of (anti)hydrogen fountains and interferometers with the HAICU project at TRIUMF**

Speaker
Makoto Fujiwara

17:15–17:35 **Low energy hydrogen anions source for matter/antimatter precision experiments**

Speaker
Levi Oliveira De Araujo Azevedo

17:35–17:55 **GRASIAN: Improved measurements with cold hydrogen and deuterium for the forthcoming first demonstration of gravitational quantum states of atoms**

Speaker
Carina Killian

17:55