

**Session Program**

**10-14 Jun 2024**

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

***Session 4***

ETH Zurich- Höggerberg Campus

# Tuesday 11 June

14:15

## Session 4

Session | Location: ETH Zurich- Hönggerberg Campus | Convener: Frédéric Merkt

14:15-14:45

### Precision measurements on the (2-0) quadrupole transitions in H<sub>2</sub>

**Speaker**

Wim Ubachs

14:45-15:10

### Precise Spectroscopy of the Fundamental Vibrational Band in a Trapped Single Molecular Nitrogen Ion

**Speaker**

Meissa Diouf

15:10-15:35

### Accurate theoretical predictions of the rovibrational energy levels of the helium hydride ion

**Speaker**

Michal Silkowski

15:35

16:05

## Session 4

Session | Location: ETH Zurich- Hönggerberg Campus | Convener: Frédéric Merkt

16:05-16:40

### Laser excitation of the low-energy nuclear transition in <sup>229</sup>Th

**Speaker**

Maksim Okhapkin

16:40-17:10

### Tabletop particle physics and cosmology with precision quantum-logic spectroscopy

**Speaker**

David Leibbrandt

17:10