

## **Session Program**

**14-18 May 2018**



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

***Poster Session, Tuesday***

## Tuesday 15 May

17:40

### Poster Session, Tuesday: Tu5

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

17:45–17:50 **Low dimensional modeling of atomic and molecular systems**

**Speaker**

Szilárd Majorosi

17:55–18:00 **Towards a search for Dark Matter using atomic Dysprosium**

**Speaker**

Dr Arijit Sharma

18:00–18:05 **Nuclear-anapole-moment Effects in Diatomic Molecules**

**Speaker**

Y. Hao

18:05–18:10 **Nonlinear Zeeman effect in boronlike highly charged ions**

**Speaker**

Dmitry Glazov

18:10–18:15 **The ALPHATRAP  $g$ -Factor Experiment**

**Speaker**

Mr Andreas Weigel

18:15–18:20 **Searching for the first excited nuclear state of  $^{229}\text{Th}$**

**Speaker**

Xia Hua

18:20–18:25

**High-accuracy ab-initio calculations of magic wavelengths for the  $2\text{S}_{1/2} \rightarrow 2\text{S}_{0}$  transition of helium**

**Speaker**

Yong-Hui Zhang

18:25–18:30

**Hylleraas- $B$ -spline basis set and its application of energies, polarizability and Bethe-logarithm of helium**

**Speaker**

Yang Sanjiang

18:30–18:35

**Recent progresses in building a femtosecond extreme-ultraviolet (XUV) comb at WIPM**

**Speaker**

Dr LinQiang Hua

18:35–18:40

**Towards precision spectroscopy of the  $2\text{S}-6\text{P}$  transition in atomic hydrogen**

**Speaker**

Vitaly Andreev

18:40–18:45

**First results of the VIP2 experiment****Speaker**

Mr Andreas Pichler

18:45–18:50

**A new approach for measuring antiproton annihilation at rest with Timepix3****Speaker**

Angela Gligorova

18:50–18:55

**Ramsey set-up for (anti-)hydrogen hyperfine spectroscopy****Speakers**

Mr Amit Nanda, Amit Nanda

18:55–19:00

**Spectral lines from C-like to Ca-like tungsten****Speaker**

Dr Anuradha Natarajan

19:00–19:05

**Tune-out wavelength calculation for helium****Speaker**

Gordon Drake

19:05–19:10

**Guiding and manipulating Rydberg positronium using inhomogeneous electric fields****Speaker**

Alberto Alonso

19:10–19:15

**Testing fundamental interactions on light atoms****Speaker**

Vojtech Patkos

19:30