

## **Session Program**

**25-30 Aug 2024**



# **International Conference on Exotic Atoms and Related Topics and conference on Low Energy Antiprotons (EXA/LEAP 2024)**

## ***Poster***

Vienna, Festsaal

Oesterreichische Akademie der Wissenschaften Dr.-Ignaz-Seipel-Platz 2 "Festsaal" A-1010 Wien

## Tuesday 27 August

17:30

### Poster: Poster

**Session** |

**Location:** Vienna, Aula, AUSTRIAN ACADEMY OF SCIENCES DR. IGNAZ SEIPEL-PLATZ 2 1010 VIENNA AUSTRIA

17:30–19:30

#### Towards laser cooling of negative molecular ions

**Speaker**

Matthias Germann

17:30–19:30

#### On the formation of molecules containing positronium

**Speaker**

Alina Weiser

17:30–19:30

#### GRASIAN: Shaping and characterization of the cold hydrogen beam for the forthcoming first demonstration of gravitational quantum states of atoms

**Speaker**

Carina Killian

17:30–19:30

#### Study of Low Energy Antiproton Annihilations on Nuclei

**Speaker**

Viktoria Kraxberger

17:30–19:30

#### Lifetime measurements of light hypernuclei using $K^-$ beam at J-PARC

**Speaker**

Tadashi Hashimoto

17:30–19:30

#### Towards g-factor measurements of (anti-)protons using techniques based on quantum logic spectroscopy

**Speaker**

Nikita Poljakov

17:30–19:30

#### Rabi-oscillation spectroscopy : high precision time-domain analysis applied to muonium hyperfine resonance

**Speaker**

Prof. Hiroyuki Torii

17:30–19:30

#### Towards a Rydberg Interferometer to test the Weak Equivalence Principle with Positronium

**Speaker**

Andreas Lanz

17:30–19:30

#### Ultracold neutron sources for fundamental physics — status at TRIUMF and future prospects

**Speaker**

Takashi Higuchi

17:30–19:30

**Optical potential analysis of antiproton-nucleus data at low energy****Speaker**

Stefano Migliorati

17:30–19:30

**Prospects from a cold antideuteron beam in AD/ELENA****Speaker**

Ruggero Caravita

17:30–19:30

**The ground state hyperfine splitting in muonic hydrogen (Hyper-mu) experiment at PSI****Speaker**

Ahmed Ouf

17:30–19:30

**Design and developing status of the data acquisition and the slow control systems in the M2e experiment at Fermilab****Speaker**

Antonio Gioiosa

17:30–19:30

**Results from the Accelerators Validating Antimatter physics (AVA) network****Speaker**

Carsten Peter Welsch

17:30–19:30

**Detecting eV electrons at sub-kelvin temperatures for the LEMING experiment****Speaker**

Damian Goeldi

17:30–19:30

**Prospects for forward emitted positronium from nanoporous membranes****Speaker**

Benjamin Rienacker

17:30–19:30

**The Lepton Symmetry Experiment: LSym****Speaker**

Dr Sangeetha Sasidharan

17:30–19:30

**Production of exotic onium states and atoms in photon-photon collisions at hadron colliders****Speaker**

Karen Kang

17:30–19:30

**Muonic atoms reveal the structure of deformed nuclei****Speaker**

Denis Jankovic

17:30–19:30

**Formation of moving exotic muonium atoms during channeling of antimuons in carbon nanotubes under external electromagnetic radiation****Speaker**

Nikolay Maksyuta

17:30–19:30

**Prospects for improving the sensitivity of CPT symmetry test in positronium decays with J-PET****Speaker**

Ms Neha Chug

17:30–19:30

**Exploring the Polarization Correlation of Photons Emitted from Positron Annihilation in a Porous Medium****Speaker**

Deepak Kumar

17:30–19:30

**Mirror Matter in Positronium Decay Searches with the J-PET Detector****Speaker**

Justyna Mędrala-Sowa

17:30–19:30

**Analysis results of the search for neutron to mirror-neutron oscillations at PSI****Speaker**

Nathalie Ziehl

17:30–19:30

**Multi-Photon decays of positronium with J-PET****Speaker**

Pooja Tanty

17:30–19:30

**A cyclotron trap for antiprotonic atom x-ray spectroscopy in gaseous targets****Speaker**

Gonçalo Baptista

17:30–19:30

**Experimental Investigation of QED Effects through Antiprotonic Atom X-ray spectroscopy: first test beams with TES detectors and solid targets****Speaker**

Quentin Senetaire

17:30–19:30

**Interferometer for the LEMING experiment****Speaker**

Robert Waddy

17:30–19:30

**A new concept of Mu-antiMu conversion search****Speaker**

Naritoshi Kawamura

17:30–19:30

**A novel platform for antiprotonic atom research using Paul and Penning-Malmberg traps**

**Speaker**

Malgorzata Grosbart

17:30–19:30

**Background Rejection for the ALPHA-g Anti-Hydrogen Detectors****Speaker**

Gareth Smith

17:30–19:30

**The scintillating bar detector of the ASACUSA experiment****Speaker**

Valerio Mascagna

17:30–19:30

**3D Simulation studies of mixed plasma confinement at AEgIS****Speaker**

Mr Bharat Singh Rawat

17:30–19:30

**Antiproton-induced nuclear fragmentation****Speaker**

Jakub Zielinski

19:30