Session Program

22–26 May 2023

International Conference on Precision Physics and Fundamental Physical Constants FFK2023

Poster Session 2

Tuesday 23 May

17:45

Poster Session 2: Poster Session 2

Poster Session | **Location:** Kleiner Festsaal Universität Wien Universitätsring 1 1010 Wien

Cryogenic muonium beam for the LEMING experiment

Speaker
Jesse Zhang

The SIDDHARTA-2 Experiment: Investigating the Strong Interaction with Kaonic Atoms

Speaker
Marlene Tuechler

In-beam measurements of the hydrogen hyperfine splitting to constrain SME coefficients

Speaker
Lilian Nowak

Positron manipulation and control at ASACUSA

Speaker
Dr Daniel James Murtagh

Accurate calculations of transition energies in doubly ionized Carbon ion (C III)

Speaker
Dr Saeed Nasiri

Development of Electrodes for the Muon Penning Trap Experiment

Speaker
Hiroto Kokubo

Hydrogen Optical Lattice Clock

Speaker
Omer Amit

Precision Spectroscopy of Atomic and Molecular Negative Ions at the Frankfurt Low Energy Storage-Ring FLSR

Speakers
Dr Oliver Forstner, Oliver Forstner

Path integral formalism for radiative corrections in bound-state QED

Speaker
Sreya Banerjee

Progress on the Dirac Equation for the hydrogen molecular ion

Speaker
Mr Hugo D. Nogueira

Efficient evaluation of the non-linear vacuum polarization density in the finite basis Dirac problem

Speaker
Maen Salman

Experimental measurement of the energy dependence of the rate of muon transfer to oxygen at low energies

Speaker
Dimitar Bakalov

Theory of the magnetic moments and hyperfine splitting of ^{3}He$^+$

Speaker
Bastian Sikora

Doppler-free spectroscopy of an atomic beam probed in traveling-wave fields

Speaker
Mr Jinlu Wen

Theoretical hyperfine splittings of 7,9Be2+ ions for future studies of nuclear properties

Speaker
Prof. Zong-Chao Yan

Precise determination of the W-boson mass in U(1)$_z$ extensions of the standard model

Speaker
Zoltán Péli

Utilising the 1s-2s transition for a selective detection of hydrogen

Speaker
Simon Rheinfrank

Tabletop Experiment for beyond Standard Model Physics: Cesium embedded in a Cryogenic Argon Matrix

Speaker
Sebastian Lahs

20:00