

Session Program

22-26 May 2023



International Conference on Precision Physics and Fundamental Physical Constants FFK2023

Poster Session 1

Monday 22 May

17:30

Poster Session 1: Poster Session 1

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

A positron trap for observing molecules containing positronium

Speaker

Alina Weiser

Study of Annihilations with Slow Extracted Antiprotons

Speaker

Viktoria Kraxberger

Future BSM studies using UPCs with ALICE at the LHC

Speaker

Roman Lavicka

Ground state preparation for HD+ rovibration transition measurement

Speaker

QianYu Zhang

Testing Lorentz symmetry using Deuterium

Speaker

Amit Nanda

Search for the electric dipole moment of the electron using BaF molecules

Speaker

Wim Ubachs

Pre-Born-Oppenheimer Dirac-Coulomb-Breit computations for two-fermion systems

Speaker

David Ferenc

Variational Dirac-Coulomb approach with explicitly correlated basis functions

Speaker

Péter Jeszenszki

Towards Precision Tests of Bound-state QED in U^{90+} Using Novel Metallic Magnetic Calorimeter Detectors

Speaker

Philip Pfäfflein

Towards Ramsey-Comb Spectroscopy of the 1S-2S Transition in He+

Speaker

Mr Elmer Grundeman

Development for the precise microwave spectroscopy of muonium with a high magnetic field

Speaker
Hiroki Tada

Determination of the adiabatic and nonadiabatic corrections for HeH⁺ in Kolos-Wolniewicz basis

Speaker
Wiktoria Boguszyńska

Precision spectroscopy of the 2S-6P transition in atomic hydrogen and deuterium

Speaker
Vitaly Wirthl

Two-loop self-energy corrections to the bound-electron g-factor: Status of M-term calculations

Speaker
Bastian Sikora

Report on Cryogenic Micro-Calorimeter Detectors in High-Precision X-Ray Spectroscopy Experiments at GSI/FAIR

Speaker
Mr Marc Oliver Herdrich

Ramsey-Comb Spectroscopy of the Q0 and Q1 Transitions in Molecular Hydrogen and Deuterium

Speaker
Andres Martinez de Velasco

Rovibrational and Hyperfine Structure of the Molecular Hydrogen Ion from Spectroscopy of Rydberg-Stark Manifolds

Speaker
Ms Ioana Doran

20:00