

## Session Program

July 30, 2023 to August 4, 2023



# 25th European Conference on Few-Body Problems in Physics

## *Tuesday Parallel Session: AMO Systems (AudiMax)*

Alte Mensa, AudiMax  
Johann-Joachim-Becher-Weg 3, 55128 Mainz

# Tue, August 1

2:30 PM

## Tuesday Parallel Session: AMO Systems (AudiMax)

Session | Location: Alte Mensa, AudiMax, Johann-Joachim-Becher-Weg 3, 55128 Mainz | Convener: Maxim Efremov

2:30 – 2:55 PM **Quantum simulations with ultracold polar molecules and Rydberg atoms**

**Speaker**  
Michal Tomza

2:55 – 3:20 PM **From Few-Body to Many-Body Physics in Ultracold Gases of Magnetic Dipolar Atoms.**

**Speaker**  
Lauriane Chomaz

3:20 – 3:35 PM

**Formation of the positronium antihydride  $\bar{\text{H}} \text{Ps}$  molecules in low energy, 5-body  $\text{Ps} + \bar{\text{H}}^+$  collisions.**

**Speaker**  
Piotr Froelich

3:35 – 3:50 PM

**Four Types of Atomic Experiments Proving the Existence of the Second Flavor of Hydrogen Atoms**

**Speaker**  
Prof. Eugene Oks

3:50 – 4:05 PM

**Low-energy collisions between two indistinguishable tritium-bearing hydrogen molecules: HT+HT and DT+DT**

**Speaker**  
Prof. Renat Sultanov

4:05 PM