

## **Session Program**

**2-7 Jul 2023**

# **Searching for New Physics at the Quantum Technology Frontier**

## ***Poster Session 1***

Congressi Stefano Franscini (CSF), Ascona (Ticino), Switzerland  
Monte Verità Strada Collina 84 CH-6612 Ascona (Ticino)

# Monday 3 July

21:00

## Poster Session 1

**Session** |**Location:** Congressi Stefano Franscini (CSF), Ascona (Ticino), Switzerland, Monte Verità Strada Collina 84 CH-6612 Ascona (Ticino)

21:00–23:00

### Hyperfine splitting in muonic hydrogen

**Speaker**

Dr Oguzhan Kara

21:00–23:00

### Two Photon Direct Frequency Comb Spectroscopy of the 1S-3S Transition in Hydrogen

**Speaker**

Derya Taray

21:00–23:00

### Sympathetic cooling of charged particles in separate Penning traps

**Speaker**

Hüseyin Yildiz

21:00–23:00

### Searching for Physics beyond the Standard Model using Antiprotons at BASE

**Speaker**

Elise Wursten

21:00–23:00

### muCool: High brightness ultra-cold positive muon beam

**Speaker**

Joanna Peszka

21:00–23:00

### The LUXE experiment and the new physics search with optical dump NPOD

**Speaker**

Ivo Schulthess

21:00–23:00

### Development of a cryogenic low threshold detector using perovskite nanocrystals

**Speaker**

Paul Wegmann

21:00–23:00

### Experiments with hydrogen atoms at ultra-low energies

**Speaker**

Sergey Vasiliev

21:00–23:00

### Precision spectroscopy of Muonium

**Speaker**

Irene Cortinovis

21:00-23:00

**First antihydrogen production at the Gravitational Behaviour of Antihydrogen at Rest (GBAR) experiment and future prospects**

**Speaker**

Philipp Peter Blumer

23:00