

## **Session Program**

**12-14 Mar 2024**

# **Theory and Experiment in High Energy Physics**

## ***Short talks***

HUN-REN Wigner Research Centre for Physics, Budapest, Hungary, Building 3, 2nd floor Council Room  
(Tanácssterem)

## Tuesday 12 March

15:10

### Short talks

**Session** |**Location:** HUN-REN Wigner Research Centre for Physics, Budapest, Hungary, Building 3, 2nd floor Council Room (Tanácssterem) |**Convener:** Dr Gergely Gabor Barnafoldi

15:10–15:40

#### Can Rotation Solve the Hubble Puzzle?

**Speaker**

Balazs Endre Szigeti

15:40–16:10

#### Studies of ATLAS Forward Proton (AFP) ToF performance with Run-3 data

**Speaker**

Viktoriia Lysenko

16:10

16:30

### Short talks

**Session** |**Location:** HUN-REN Wigner Research Centre for Physics, Budapest, Hungary, Building 3, 2nd floor Council Room (Tanácssterem) |**Convener:** Dr Gergely Gabor Barnafoldi

16:30–17:00

#### Exact quark mass corrections to Higgs production in association with a jet

**Speaker**

Gabor Somogyi

17:00–17:30

#### Anomalous dimensions for hard exclusive processes

**Speaker**

Dr Sam Van Thurenhout

17:30–18:00

#### Search for Axion-Like-Particle (ALP) with the ATLAS Forward Proton (AFP) Detector with Di-photons

**Speaker**

Andre Sopczak

18:30

# Wednesday 13 March

10:00

## Short talks

**Session** |

**Location:** HUN-REN Wigner Research Centre for Physics, Budapest, Hungary, Building 3, 2nd floor Council Room (Tanácssterem) |

**Convener:** Andre Sopczak

10:00–10:30

### Strong coupling expansion of determinant observables in N=4 SYM

**Speaker**

Bercel Boldis

10:30–11:00

### Mesons in medium (in Hadron-Nucleus reactions)

**Speaker**

György Wolf

11:00

14:00

## Short talks

**Session** |

**Location:** HUN-REN Wigner Research Centre for Physics, Budapest, Hungary, Building 3, 2nd floor Council Room (Tanácssterem) |

**Convener:** Dr Peter Matak

14:00–14:30

### Exclusion bounds for neutral gauge bosons

**Speaker**

Zoltán Péli

14:30–15:00

### Jet substructure measurements in heavy-ion collisions

**Speaker**

Robert Vertesi

15:00–15:30

### Trajectory reconstruction for proton computed tomography with machine learning

**Speaker**

Bence Dudas

15:30–16:00

### Image Reconstruction with Proton CT

**Speaker**

Zsófia Jolesz

16:00

16:20

## Short talks

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**Convener:** Dr Peter Matak

16:20–16:50

### Luminosity measurements using the ATLAS Forward Proton (AFP) detector

**Speaker**

Petr Fiedler

16:50

## Thursday 14 March

09:00

### Short talks

**Session** |**Location:** HUN-REN Wigner Research Centre for Physics, Budapest, Hungary, Building 3, 2nd floor Council Room (Tanácssterem) |**Convener:** Gabor Somogyi

09:00–09:30

#### Probing hadron-quark phase transition in twin stars using f-modes

**Speaker**

David Edwin Alvarez Castillo

09:30–10:00

#### CERN IpGBT: Merging Timing, Data, and Control of Detectors

**Speaker**

Tivadar Kiss

10:00