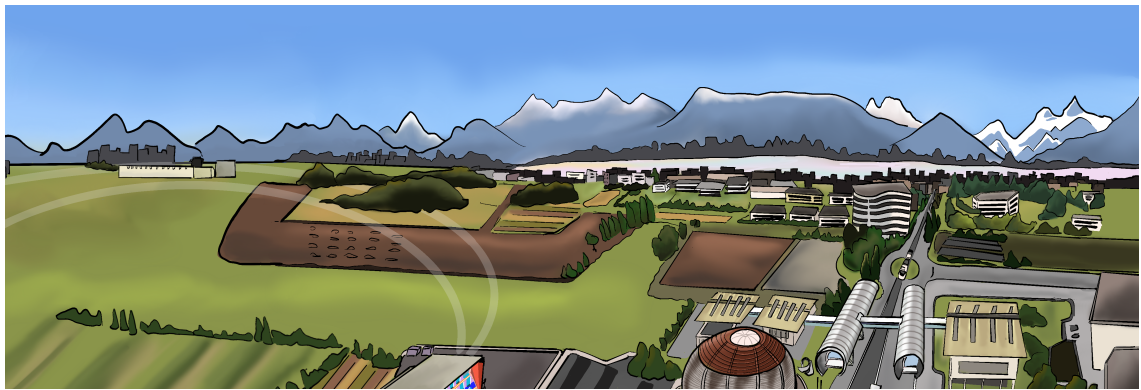


# **Session Program**

**1-5 Sept 2025**



## **Invisibles25 Workshop**

***BSM***

CERN, 500/1-001 - Main Auditorium

# Wednesday 3 September

09:30

## BSM

**Session** | **Location:** CERN, 500/1-001 - Main Auditorium

09:30–09:55

### Modular Symmetries and the Strong CP problem

#### Speaker

Ferruccio Feruglio

10:00–10:25

### Axions from string theory

#### Speaker

Nicole Righi

10:30–10:35

### Dark Sector Phase Transition and PTA

#### Speaker

Francesco costa

10:35–10:40

### Fifth Force Probes from Quantum Effects in Muonium Hyperfine Splitting

#### Speaker

enrico scantamburlo

10:40–10:45

### pNGB Higgs Naturalness at a Tipping Point

#### Speaker

Adriana Menkara

10:45

11:30

## BSM

**Session** | **Location:** CERN, 500/1-001 - Main Auditorium

11:30–11:55

### Hilbert series method and applications

#### Speaker

Pablo Quilez Lasanta

12:00–12:05

### Axion Remix - Haloscope predictions from mass-mixing using the Landau-Zener formalism

#### Speaker

Dr Philip Sorensen

12:05–12:10

### Axion dark matter from parametric resonance

#### Speaker

Riccardo Natale

12:10–12:15

### An Axion Pulsarscope

#### Speaker

Mariia Khelashvili

12:15–12:20

### The thermal axion production rate, precisely

**Speaker**

Killian Bouzoud

12:20–12:25

**Reheating After Axion Inflation**

**Speaker**

Tenta Tsuji

12:25–12:30

**Influence of Quadratic Axion-Matter Interaction on the Direct Detection of Dark Matter**

**Speaker**

Yeray Garcia Del Castillo

12:30

# Thursday 4 September

09:30

## BSM

**Session** | **Location:** CERN, 500/1-001 - Main Auditorium

09:30–09:55

### Neutrinos at Colliders

#### Speaker

Maksym Ovchynnikov

10:00–10:25

### (SM)EFT

#### Speaker

Ilaria Brivio

10:30–10:35

### Footprint of Lepton Flavour Violation in the light of Beyond Standard Model

#### Speaker

Ms Swagata Biswas

10:35–10:40

### Neutrino phenomenology from flavor deconstruction

#### Speaker

Andrea Sainaghi

10:40–10:45

### Lepton Flavor Violating decays in a realistic U(2) flavor model

#### Speaker

Simone Marciano

10:45

11:30

## BSM

**Session** | **Location:** CERN, 500/1-001 - Main Auditorium

11:30–11:55

### Future colliders

#### Speaker

Cari Cesarotti

12:00–12:05

### Double ALP Production at the LHC

#### Speaker

Mr simone meoni

12:05–12:10

### Cornering New Physics at FCC-ee via flavor-changing processes

#### Speaker

Marko Pesut

12:10–12:15

### Overview of NA62 $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ results

#### Speaker

Xiafei Chang

12:15–12:20

### ALP searches in meson decays with ALPaca: a phenomenological approach

**Speaker**  
Jorge Alda

12:20–12:25 **PADME results on X17 searches**

**Speaker**  
Fabio Bossi

12:25–12:30 **Probing dark matter in red giants**

**Speaker**  
Seokhoon Yun

12:30