

## **Session Program**

**Sep 7 - 13, 2025**



## **Cosmology 2025 @ Elba Island**

### ***Afternoon session***

Hermitage Hotel, Isola D'Elba  
57037 Portoferraio Isola d'Elba (Li) Italy

# Mon, September 8

4:00 PM

## Afternoon session

**Session** | **Location:** Hermitage Hotel, Isola D'Elba, 57037 Portoferraio Isola d'Elba (Li) Italy

4:00 - 4:30 PM

### Cosmoglobe: Planck-HFI and advanced dust modelling

**Speaker**

Raelyn Sullivan

4:30 - 5:00 PM

### Disentangling Modified Gravity and Massive Neutrinos with Intrinsic Shape Alignments of Massive Halos

**Speaker**

Jounghun Lee

5:00 - 5:30 PM

### Coffee

5:30 - 6:00 PM

### Void spin distribution as a powerful probe of $\sigma_8$

**Speaker**

GEONWOO KANG

6:00 - 6:30 PM

### Superfluid dark matter: from theory to observations

**Speaker**

Valerio De Luca

6:30 - 7:00 PM

### Theoretical Predictions for the Inner Dark Matter Distribution in the Milky Way Informed by Simulations

**Speaker**

Abd El Aziz Hussein

7:05 PM

## Tue, September 9

4:00 PM

### Afternoon session

**Session** | **Location:** Hermitage Hotel, Isola D'Elba, 57037 Portoferraio Isola d'Elba (Li) Italy

4:00 - 4:30 PM

#### Cosmography through the ages of low-redshift early-type galaxies

**Speaker**

Carlos Alonso Álvarez

4:30 - 5:00 PM

#### Trace Anomaly, Condensates and Cosmological Constant

**Speaker**

Kehfei Liu

5:00 - 5:30 PM

#### Coffee

5:30 - 6:00 PM

#### Microlensing of Microlensing: Resolving Time-Delay Bias with Multi-Plane Quasar Lensing

**Speaker**

nada salama

6:00 - 6:30 PM

#### Nonextensive Entropies as Holographic Dark Energy in Cosmology

**Speaker**

Mariusz Dabrowski

6:30 - 7:00 PM

#### Dark Matter in extra-dimensional scenarios

**Speaker**

Andrea Donini

7:30 PM

# Thu, September 11

4:00 PM

## Afternoon session

**Session** | **Location:** Hermitage Hotel, Isola D'Elba, 57037 Portoferraio Isola d'Elba (Li) Italy

4:00 – 4:30 PM

### Unveiling small-scale dark matter structure with starless halos: Are mass and concentration estimates reliable?

**Speaker**

Francesco Turini

4:30 – 5:00 PM

### Exploring keV-scale physics with CUORE: a new window for dark matter searches

**Speaker**

Anastasiia Shaikina

5:00 – 5:30 PM

### Coffee

5:30 – 6:00 PM

### Addressing the Hubble tension and a proposal to increase the accuracy of cosmological observables

**Speaker**

Horst Foidl

6:00 – 6:30 PM

### Production, thermalisation and constraints on hidden sector dark matter from asymmetric reheating

**Speaker**

Jean Kimus

6:30 – 7:00 PM

### Characterization of Galaxy Cluster Gamma-Rays.

**Speaker**

Ms Thyra Eysselinck

7:05 PM

## Fri, September 12

4:00 PM

### Afternoon session

**Session** | **Location:** Hermitage Hotel, Isola D'Elba, 57037 Portoferraio Isola d'Elba (Li) Italy

4:00 – 4:30 PM **The CMS PPS spectrometer searching for photon-DM interaction**

**Speaker**

Prof. Nicola Turini

4:30 – 5:00 PM

**Probing Charm Baryon Dipole Moments at the LHC: the ALADDIN experiment**

**Speaker**

Nicola Neri

5:00 – 5:30 PM **Coffee**

5:30 – 6:00 PM

**The Characteristic Mass for Cusp-Core Transformation in Dark Matter Halos**

**Speaker**

Michi Shinozaki

6:00 – 6:30 PM

**Probing GeV-Scale Dark Matter Annihilation with the JUNO Experiment**

**Speaker**

Utane Sawangwit

6:30 – 7:00 PM

**Stream Splitting as a New Signature of Dark Matter Subhaloes and Intermediate-Mass Black Holes in the Milky Way**

**Speaker**

Yuka Kaneda

7:05 PM