

## Session Program

Jun 9 - 13, 2025



## WIN 25

### *Astroparticle*

University of Sussex, Jubilee Building  
Falmer, Brighton BN1 9SN

# Tue, June 10

1:30 PM

## Astroparticle: Astrophysical Neutrinos

**Session** | **Location:** Jubilee 118 | **Convener:** Markus Tobias Ahlers

1:30 - 1:45 PM

### The KM3NeT neutrino telescope: status and recent results

**Speaker**

Sergio Navas

1:45 - 2:00 PM

### Detection of an Ultra-High-Energy Neutrino Event with KM3NeT

**Speaker**

Meriem Bendahman

2:00 - 2:15 PM

### Discovery of Astrophysical Tau Neutrinos with IceCube

**Speaker**

Douglas Cowen

2:15 - 2:31 PM

### Neutrino mass and Cosmic Neutrino Background with PTOLEMY experiment

**Speaker**

Federico Virzi

3:00 PM

# Wed, June 11

11:00 AM

## Astroparticle: Solar and Supernova Neutrinos

**Session** | **Location:** Jubilee 118 | **Convener:** Douglas Cowen

11:00 - 11:15 AM **Non-beam physics at Hyper-Kamiokande**

**Speaker**

Jeanne Rachel Wilson Hawke

11:15 - 11:30 AM

**Solar neutrinos from the CNO cycle: Borexino results and solar physics implications**

**Speaker**

Davide Basilico

11:30 - 11:45 AM **Supernova Pointing Capabilities of DUNE**

**Speakers**

Emanuele Villa, Emanuele Villa

11:45 AM - 12:00 PM **Measurements of Solar Neutrinos in the SNO+ Detector**

**Speaker**

Daniel Cookman

12:00 - 12:15 PM

**Prospects of detecting diffuse supernova neutrino background at JUNO**

**Speaker**

Gaosong Li

12:15 - 12:30 PM **Study of Atmospheric Neutrino Oscillation in JUNO**

**Speaker**

Amina Khatun

12:30 PM

## Thu, June 12

1:30 PM

### Astroparticle: Dark Matter Direct Detection

Session | Location: Jubilee 115 | Convener: Filippo Sala

1:30 - 1:45 PM **XLZD: A Future Dark Matter and Rare Physics Observatory**

**Speaker**

Jim Dobson

1:45 - 2:00 PM

**The SABRE South Experiment at the Stawell Underground Physics Laboratory**

**Speaker**

Ferdos Dastgiri

2:00 - 2:15 PM **Into the Neutrino Fog: Latest Results from the XENONnT Experiment**

**Speaker**

Kexin Liu

2:15 - 2:30 PM **Dark Matter Searches with the DarkSide-20k Detector**

**Speaker**

Paolo Agnes

2:30 - 2:46 PM **Recent results from the LUX-ZEPLIN (LZ) dark matter experiment**

**Speaker**

Aiham Al Musalhi

3:00 PM

3:30 PM

### Astroparticle: Detectors and Nuclear Physics

Session | Location: Jubilee 118 | Convener: Kimberly Palladino

3:30 - 3:45 PM **Outer Detector System R&D for Hyper-Kamiokande**

**Speaker**

Teppei Katori

3:45 - 4:00 PM **Nuclear Physics Measurement in PandaX-4T**

**Speaker**

Chenxiang Li

4:00 - 4:15 PM **The DarkSide-20k photodetection system**

**Speaker**

Conner Roberts

4:15 - 4:30 PM

**Illuminating the Low-Energy Frontier: Novel Calibration Methods for the KeV-Scale in the LUX-ZEPLIN Experiment**

**Speaker**

Jacopo Siniscalco

4:30 - 4:45 PM **Measurement of  $^{214}\text{Pb}$   $\beta$  decay branching ratio with PandaX-4T**

5:00 PM

**Speaker**  
Zhe Yuan