

## **Session Program**

**9-13 Jun 2025**



## **WIN 25**

### ***Neutrinos***

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

# Tuesday 10 June

11:00

## Neutrinos: Reactor

**Session** | **Location:** Jubilee 118 | **Convener:** Liz Kneale

11:00-11:15

### First observation of reactor antineutrinos by coherent scattering with CONUS+

**Speaker**

Edgar Sanchez Garcia

11:15-11:30

### Exploring CEvNS with NUCLEUS Experiment

**Speaker**

Marco Giammei

11:30-11:45

### RELICS: Search for Coherent Elastic Neutrino-Nucleus Scattering from reactor neutrinos using LXeTPC

**Speaker**

Chang Cai

11:45-12:00

### CLOUD: fundamental reactor antineutrino physics using the novel LiquidO detection technology

**Speaker**

Nicolò Tuccori

12:00-12:15

### Antineutrinos in SNO+

**Speaker**

Sofia Andringa

12:30

13:30

## Neutrinos: Oscillations

**Session** | **Location:** Jubilee Lecture Theatre | **Convener:** Linda Cremonesi

13:30-13:45

### Results from the T2K Experiment

**Speaker**

Dr Nicholas Latham

13:45-14:00

### NOvA Three Flavour Neutrino Oscillation results

**Speaker**

Thiago Bezerra

14:00-14:15

### Status of the Short-Baseline Near Detector at Fermilab

**Speaker**

Josephine Paton

14:15-14:30

### Latest results in the JSNS2 experiment

**Speaker**

Dongha Lee

15:00

14:30–14:45

**Beyond Standard Model Neutrino Oscillation Results from NOvA****Speaker**

Adam Lister

15:30

**Neutrinos: Theory + Dark Matter****Session** | **Location:** Jubilee 118 | **Convener:** Ennio Salvioni

15:30–15:45

**Current Status and Future Prospects of the Three-Neutrino Mixing Framework****Speaker**

Ivan Martinez Soler

15:45–16:00

**Alleviating the present tension between T2K and NOvA****Speaker**

Pedro Pasquini

16:00–16:15

**A direct probe of neutrino compositeness****Speaker**

Matteo Borrello

16:15–16:30

**Dark matter and dark sector searches in the first KM3NeT data****Speaker**

Sara Rebecca Gozzini

16:30–16:45

**Ultra-light Dark Matter Limits from Astrophysical Neutrino Flavor****Speaker**

Teppei Katori

17:00

# Wednesday 11 June

11:00

## Neutrinos: Cross Sections

**Session** | **Location:** Jubilee Lecture Theatre | **Convener:** Mark Messier

11:00-11:15

### Understanding accelerator-based (anti)neutrino fluxes: Hadron production measurements at NA61/SHINE

**Speaker**

John James Back

11:15-11:30

### Neutrino-argon cross-section measurements from the MicroBooNE experiment

**Speaker**

Justin Evans

11:30-11:45

### A short-baseline neutrino beam for high-precision cross-section measurements

**Speaker**

Francesco Terranova

11:45-12:00

### Neutrino Interaction Measurements with the SBND Experiment

**Speaker**

Amy Filkins

12:00-12:15

### Measurement of TeV-scale muon neutrino cross sections using atmospheric neutrinos in Super-Kamiokande

**Speaker**

Teppei Katori

12:15-12:30

### NOvA cross section results

**Speaker**

Travis Olsen

12:30

# Thursday 12 June

11:00

## Neutrinos: Detectors

**Session** | **Location:** Jubilee Lecture Theatre | **Convener:** Dimitrios Papoulias

### 11:00-11:15 The SNO+ detector

**Speaker**

Elisabeth Falk

### 11:15-11:30 The T2K ND280 Near detector upgrade

**Speaker**

Emanuele Villa

### 11:30-11:45 SBND Detector Commissioning and Early Performance

**Speaker**

Lauren Yates

### 11:45-12:00 Status and Commissioning of the JUNO Experiment

**Speaker**

Marco Grassi

### 12:00-12:15 LiquidO: Particle Imaging in Opaque Media

**Speaker**

Diana Navas-Nicolas

### 12:15-12:30

### A Magnetised High-Pressure Gaseous Argon TPC for the DUNE Near Detector

**Speaker**

Francisco Martínez López

12:30

13:30

## Neutrinos: Neutrinoless Double Beta Decay I

**Session** | **Location:** Jubilee Lecture Theatre | **Convener:** Ke Han

### 13:30-13:45 Latest results from the CUORE experiment

**Speaker**

Alice Campani

### 13:45-14:00

### Unveiling the Majorana Nature of Neutrinos: First $0\nu\beta\beta$ Results from LEGEND-200

**Speaker**

Sofia Calgaro

### 14:00-14:15

### First results from the NEXT-100 detector and future plans

**Speaker**

Gonzalo Martinez Lema

### 14:15-14:30

### Status update on the SuperNEMO double-beta-decay experiment

**Speaker**

Will Quinn

14:30–14:45

**Neutrinoless Double Beta Decay Search in the SNO+ Experiment****Speaker**

Tereza Kroupova

**Neutrinos: 0νBB and mass****Session** | **Location:** Jubilee Lecture Theatre | **Convener:** Patricia Vahle

15:30–15:45

**The search for neutrinoless double beta plus decay with the NuDoubt++ experiment****Speaker**

Susanna Wakely

15:45–16:00

**New experiment for two neutrino emission double beta decay using Zirconium-96****Speaker**

Yoshiyuki Fukuda

16:00–16:15

**The CROSS experiment on 100Mo neutrinoless double beta decay: status and physics reach****Speaker**

Mariia Buchynska

16:15–16:30

**Recent results from the KATRIN experiment****Speaker**

Chloe Goupy

16:30–16:45

**Combining Cyclotron Radiation Emission Spectroscopy and Atom Trapping for Next-generation Neutrino Mass Experiment Project 8****Speaker**

René Reimann