**Session Program**

**22–29 Mar 2023**

# Magnificent CEvNS 2023

## *Phenomenology/ Theory*

# Wednesday 22 March

11:30

## Phenomenology/ Theory

**Session** | **Convener:** Prof. Phillip Barbeau

11:30–11:45 **New physics implications of COHERENT CsI+LAr data**

**Speaker**
Valentina De Romeri

11:50–12:05 **Probing electroweak physics with COHERENT data**

**Speaker**
Dr Dimitrios Papoulias

12:10–12:25 **EFT analysis of New Physics at COHERENT**

**Speaker**
Victor Bresó Pla

12:30

# Thursday 23 March

09:00

## Phenomenology/ Theory

**Session** | **Convener:** Louis Strigari

09:00–09:15
### CEνNS as a tool to investigate nuclear and electroweak properties: current status and prospects

**Speaker**
Matteo Cadeddu

09:20–09:35
### CEνNS bounds on neutrino electromagnetic properties

**Speaker**
Francesca Dordei

09:40–09:55
### Reactor CEvNS constraints improve robustness of neutrino mass ordering determination

**Speaker**
Julia Gehrlein

10:00–10:15
### Physics implications of recent Dresden-II reactor data

**Speaker**
Mr Anirban Majumdar

10:30

16:15

## Phenomenology/ Theory

**Session** | **Convener:** Kate Scholberg

16:15–16:30
### Updated constraints on light mediators from CEvNS data

**Speaker**
Mattia Atzori Corona

16:35–16:50
### The role of the elastic neutrino-electron scattering in constraining the neutrino magnetic moment and millicharge using the LUX-ZEPLIN data

**Speaker**
Nicola Cargioli

16:55–17:10
### Radiative corrections to low-energy neutral-current neutrino scattering and DAR sources

**Speaker**
Oleksandr Tomalak

17:15–17:30
### Neutrino-nucleus interactions and the axial coupling

**Speaker**
Jouni Suhonen

17:35–17:50
### A Direct Detection View of the Neutrino NSI Landscape

18:00

**Speaker**
Dorian Amaral

# Friday 24 March

14:00

## Phenomenology/ Theory

**Session** | **Convener:** Louis Strigari

14:00–14:15

### Light vector bosons and the weak mixing angle in the light of new reactor-based CE$\nu$NS experiments

**Speaker**
Thomas Rink

14:15–14:30

### Current and future sensitivities to Non-Standard Interactions using CEvNS

**Speaker**
Gonzalo Sanchez Garcia

15:00

16:00

## Phenomenology/ Theory: Summary

**Session** | **Convener:** Kate Scholberg

16:00–16:30 **Theory Summary**

**Speaker**
Prof. Manfred Lindner

16:30