

**Session Program**

**24-25 Nov 2022**

**Vienna Central European Seminar 2022**

***Neutrino Oscillations***

TU Wien, Tu the Sky  
Getreidemarkt 9 (Building BA) 11th floor, 1060 Vienna

# Friday 25 November

09:00

## Neutrino Oscillations

**Session** | **Location:** TU Wien, Tu the Sky, Getreidemarkt 9 (Building BA) 11th floor, 1060 Vienna | **Convener:** Christoph Schwanda

09:00–09:40

### Dark Matter Searches with XENON: Recent Results and Future Prospects

#### Speaker

Marc Schumann

09:40–10:20

### COSINUS: Cyogenic NaI detectors for dark matter search

#### Speaker

Florian Reindl

10:20

14:00

## Neutrino Oscillations

**Session** | **Location:** TU Wien, Tu the Sky, Getreidemarkt 9 (Building BA) 11th floor, 1060 Vienna | **Convener:** Ferenc Glück

14:00–14:40

### Exploring quantum sources of gravity: steps towards a quantum Cavendish experiment

#### Speaker

Hans Hepach

14:40–15:20

### Coupling quantum matter to gravity: a systematic post-Newtonian approach

#### Speaker

Philip Schwartz

15:20

15:50

## Neutrino Oscillations

**Session** | **Location:** TU Wien, Tu the Sky, Getreidemarkt 9 (Building BA) 11th floor, 1060 Vienna | **Convener:** Eberhard Widmann

15:50–16:30

### The gravitational field of a non-local superposition

#### Speaker

Manu Paranjape

16:30–17:10

### The cosmological constant and Majorana neutrinos with an emergent Standard Model

#### Speaker

Steven Bass

17:10