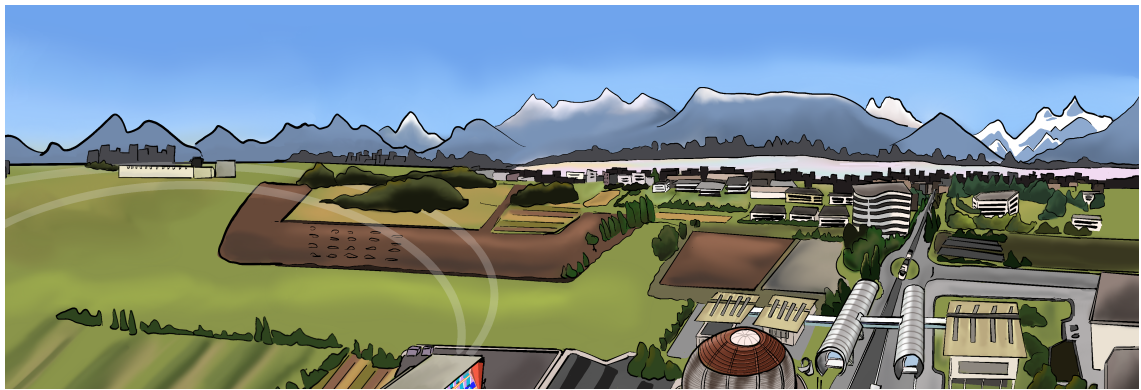


Session Program

1-5 Sept 2025



Invisibles25 Workshop

Neutrinos

CERN, 500/1-001 - Main Auditorium

Monday 1 September

09:30

Neutrinos

Session | **Location:** CERN, 500/1-001 - Main Auditorium

09:30–09:45 **Welcome**

09:45–10:10 **Neutrino Signals at Dark Matter Experiments**

Speaker

Patrick Foldenauer

10:15–10:40 **Supernova Neutrinos**

Speaker

Damiano Francesco Giuseppe Fiorillo

10:45

11:30

Neutrinos

Session | **Location:** CERN, 500/1-001 - Main Auditorium

11:30–11:35

Sufficient and Necessary Conditions for Collective Neutrino Instabilities

Speaker

DWAIPAYAN MUKHERJEE

11:35–11:40 **Tracing Neutrino-Dark Matter Interactions via Neutrino Clustering**

Speaker

Pietro Ghedini

11:40–11:45 **Primordial High Energy Neutrinos**

Speaker

Nicolas Grimbaum Yamamoto

11:45–11:50 **Does the 220 PeV Event at KM3NeT Point to New Physics?**

Speaker

Dibya S. Chattopadhyay

11:50–11:55

Benchmarking nuclear matrix elements of $0\nu\beta\beta$ decay with high-energy nuclear collisions

Speaker

Giuliano Giacalone

11:55–12:00

A new modular mechanism for neutrino masses from low-scale seesaw

Speaker

Matteo Parriciatu

12:00–12:25 **Astrophysical neutrinos**

12:30	Speaker Shunsaku Horiuchi
14:00	Neutrinos Session Location: CERN, 500/1-001 - Main Auditorium
15:00	14:00–15:00 Stars as a Laboratory for Fundamental Physics Speaker Georg Raffelt
15:45	Neutrinos Session Location: CERN, 500/1-001 - Main Auditorium
	15:45–16:10 Nuclear Matrix Elements Speaker Jason Holt
	16:15–16:40 Nuclear matrix elements for neutrinoless double-beta decay Speaker Javier Menendez
17:15	16:45–17:10 Supernova Neutrinos & Quantum Simulations Speaker Julien Froustey