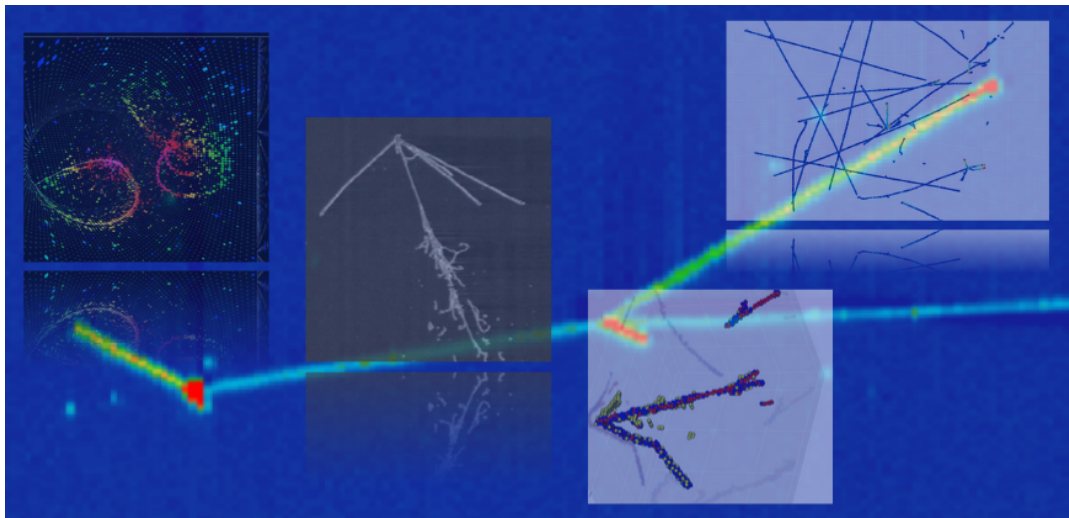


Session Program

20-31 Oct 2025



Neutrino Physics and Machine Learning (NPML 2025)

Experiments - Cherenkov-based Neutrino Telescopes

University of Tokyo, Koshiba Hall
7-3 Hongo, Bunkyo City, Tokyo 113-0033

Tuesday 28 October

09:00

Experiments - Cherenkov-based Neutrino Telescopes

Session | **Location:** University of Tokyo, Koshiba Hall, 7-3 Hongo, Bunkyo City, Tokyo 113-0033

09:00–09:15

Using End-to-End Optimization to Improve the Measurement of Neutrinos from the Galactic Plane with IceCube

Speaker

Oliver Janik

09:15–09:20

Q/A

09:20–09:35

Towards Multi-task transformer based reconstruction for real-time high-energy neutrino alerts.

Speaker

Aske Rosted

09:35–09:40

Q/A

09:40–09:55

Improving KM3NeT Event Reconstructions and Simulations using Generative Neural Networks

Speaker

Lukas Hennig

09:55–10:00

Q/A

10:00–10:20

Coffee

10:20–10:45

Machine learning at Baikal-GVD

Speaker

Ivan Kharuk

10:45–10:55

Q/A

10:55–11:10

Neural Network Approach to Neutrino and Extensive Air Shower Event Separation at Baikal-GVD experiment

Speaker

Albert Matseiko

11:10–11:15

Q/A

11:15–11:30

Graph Neural Networks for Fast Simulation Reconstruction in the ESSnuSB Neutrino Detector

11:35

Speaker

Kaare Endrup Iversen

11:30–11:35

Q/A