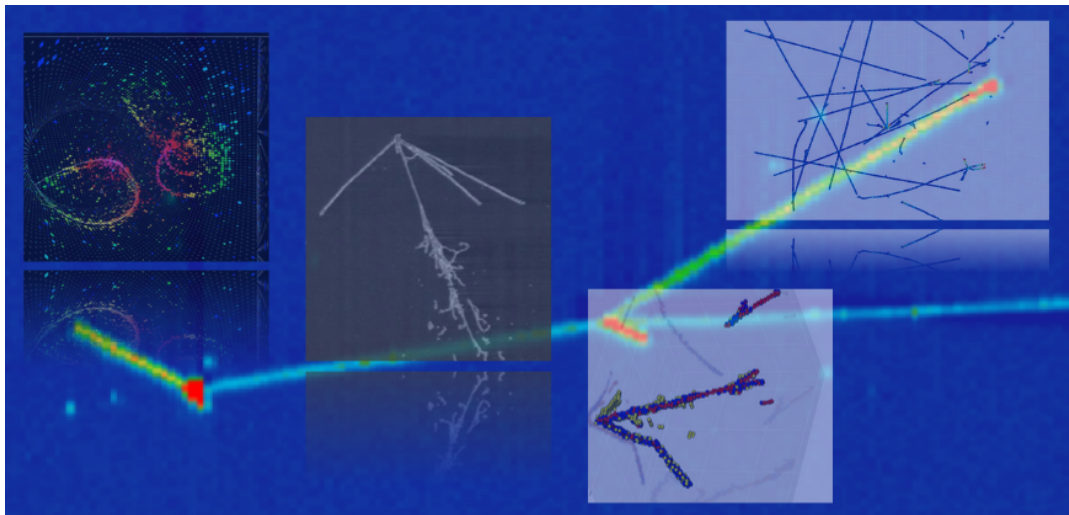


Session Program

20-31 Oct 2025



Neutrino Physics and Machine Learning (NPML 2025)

Experiments - SK/HK

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

Monday 27 October

09:40

Experiments - SK/HK

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

09:40–10:05

Overview of reconstruction methods in Super and Hyper-Kamiokande

Speaker

Benjamin Quilain

10:05–10:15

Q/A

10:15–10:30

Graph Neural Networks for Hyper K Reconstruction

Speaker

Erwan Le Blévec

10:30–10:35

Q/A

10:35–10:55

coffee

10:55–11:10

Improving Event Reconstruction in Hyper-Kamiokande with ResNet

Speaker

Andrew Atta

11:10–11:15

Q/A

11:15–11:30

Vision Transformers for event reconstruction in water Cherenkov detector

Speaker

Shuoyu Chen

11:30–11:35

Q/A

11:35

13:55

Experiments - SK/HK

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

13:55–14:10

The Water Cherenkov Test Experiment as a Demonstrator of Machine Learning Techniques for Neutrino Experiments

Speaker

Nick Prouse

14:10–14:15

Q/A

14:15–14:30

WCTE Event Reconstruction with Graph Neural Networks

Speaker

Mathieu Ferey

14:30–14:35

Q/A

14:35-14:50

Simulation, calibration and reconstruction in water Cherenkov detectors with machine learning techniques

Speaker

Ka Ming Tsui

14:50-14:55

Q/A

14:55-15:15

Coffee

15:15