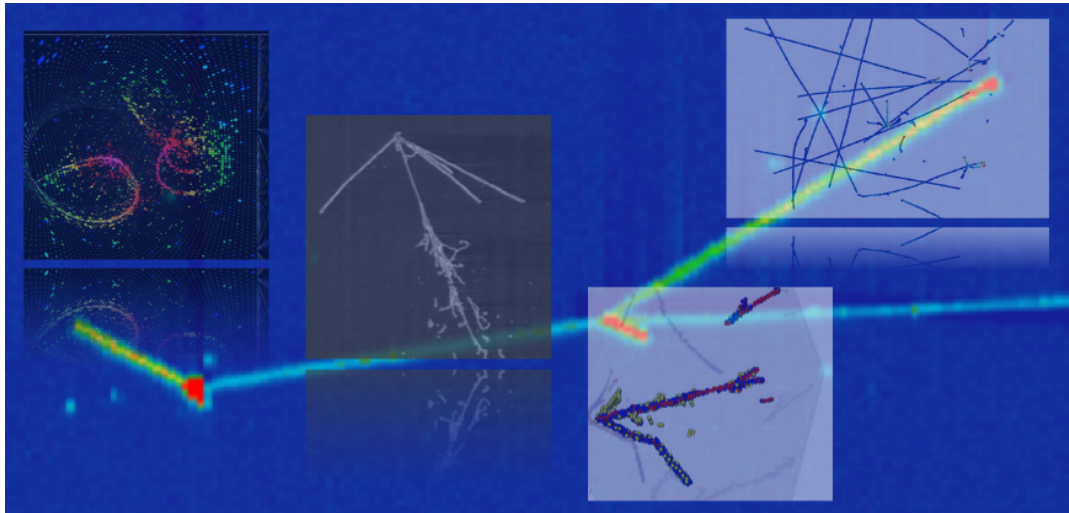


Session Program

20-31 Oct 2025



Neutrino Physics and Machine Learning (NPML 2025)

AI/ML for New Physics Search

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

Friday 31 October

09:00

AI/ML for New Physics Search

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

09:00–09:15

Search for keV-Sterile Neutrinos with TRISTAN at KATRIN Using a Neural Network-Based Approach

Speaker

Luca Fallböhmer

09:15–09:20

Q/A

09:20–09:35

Real-time Anomaly Detection in Liquid Argon Time Projection Chamber

Speaker

Seokju Chung

09:35–09:40

Q/A

09:40–09:55

Unsupervised clustering for neutrino event exploration

Speaker

Callum Wilkinson

09:55–10:00

Q/A

10:00–10:20

Coffee

10:20