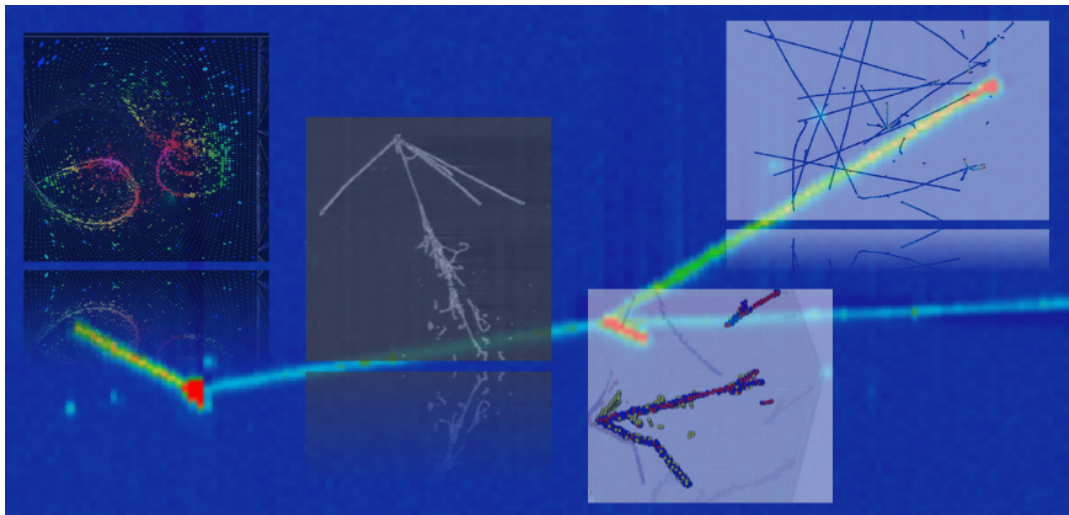


Session Program

15-19 Jun 2026



Neutrino Physics and Machine Learning 2026

Shareable Tools: Generator & Cross-Detector Methods

UC Irvine, The Interdisciplinary Science and Engineering Building
419 Physical Sciences Quad, Irvine, CA 92697

Thursday 18 June

10:30

Shareable Tools: Generator & Cross-Detector Methods
Session |
Location: UC Irvine, The Interdisciplinary Science and Engineering Building , 419 Physical Sciences Quad, Irvine, CA 92697

10:35-10:55 **Transformer-based Reweighting of Neutrino Generator Outputs**
Speaker
 Roger Huang

10:55-11:00 **Q/A**

11:00-11:20
Cross-Domain Transfer with Particle Physics Foundation Models: From Jets to Neutrino Interactions
Speaker
 Gregor Krzmann

11:20-11:30 **Q/A**

11:30-11:50
Track Matching during Reconstruction using Graph Neural Networks Across DUNE's Near Detectors
Speaker
 Dr Jessie Micallef

11:50-11:55 **Q/A**

11:55

13:30

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13:30-13:50
Model Parameter Estimation for Neutrino-Induced Nucleon Knockout Using SBI
Speaker
 Karla Tame

13:50-13:55 **Q/A**

13:55