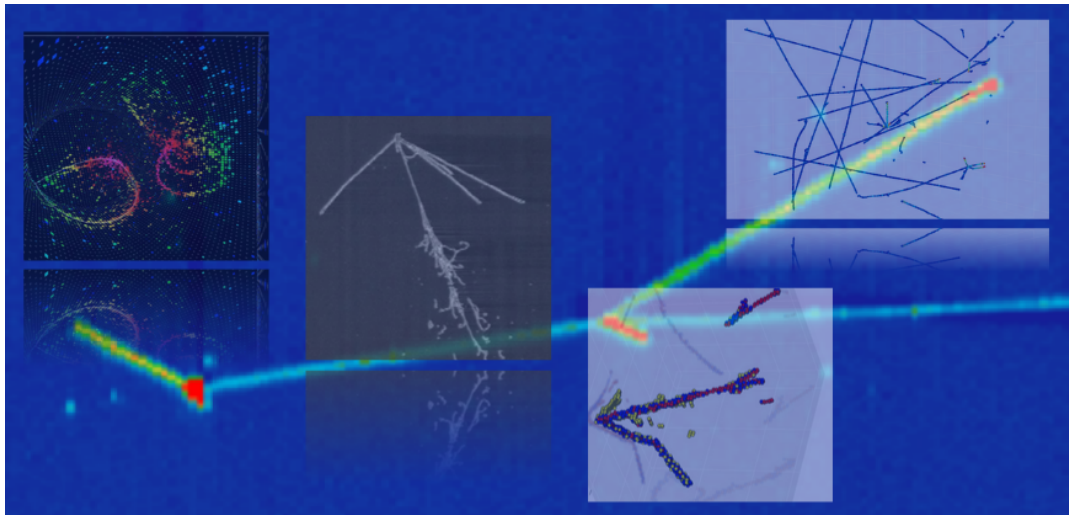


## Session Program

15-19 Jun 2026



## Neutrino Physics and Machine Learning 2026

### *Applications: Particle & Event Classification*

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

# Monday 15 June

09:50

## Applications: Particle & Event Classification

**Session** |

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

09:50-10:05

### Ongoing Work on NuTau Classification with IceCube at the TeV scale

**Speaker**

Finn Mayhew

10:05-10:10

**Q/A**

10:35-10:55

**Coffee**

10:55-11:25

### AI/ML in DUNE

**Speaker**

Jianming Bian

11:25-11:35

**Q/A**

11:35

13:30

## Applications: Particle & Event Classification

**Session** |

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

13:30-13:50

### Towards foundation-style models for energy-frontier heterogeneous neutrino detectors via self-supervised pre-training

**Speaker**

Fabio Cufino

13:50-13:55

**Q/A**

13:55-14:15

### Integration of NuGraph2 in MicroBooNE reconstruction

**Speaker**

Chuyue Fang

14:15-14:20

**Q/A**

14:20-14:35

### Anti-Electron Neutrinos at High-Energy Neutrino Experiments: Identification Strategies and Physics Potential

**Speaker**

Toni Mäkelä

14:35-14:40

**Q/A**

14:40

## Tuesday 16 June

13:30

### Applications: Particle & Event Classification

**Session** |

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

13:30-13:45

#### Machine-Learning-Driven Search for a Z' Boson in the Dilepton Channel Using ATLAS Open Data

**Speaker**

Mihir Tare

13:45-13:50

**Q/A**

13:50

## Friday 19 June

13:00

### Applications: Particle & Event Classification

**Session** |

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

13:00-13:15

### Neutron-Aware Reconstruction in Liquid Argon Detectors with Machine Learning

**Speaker**

Jiangmei Yang

13:15-13:20

**Q/A**

13:20