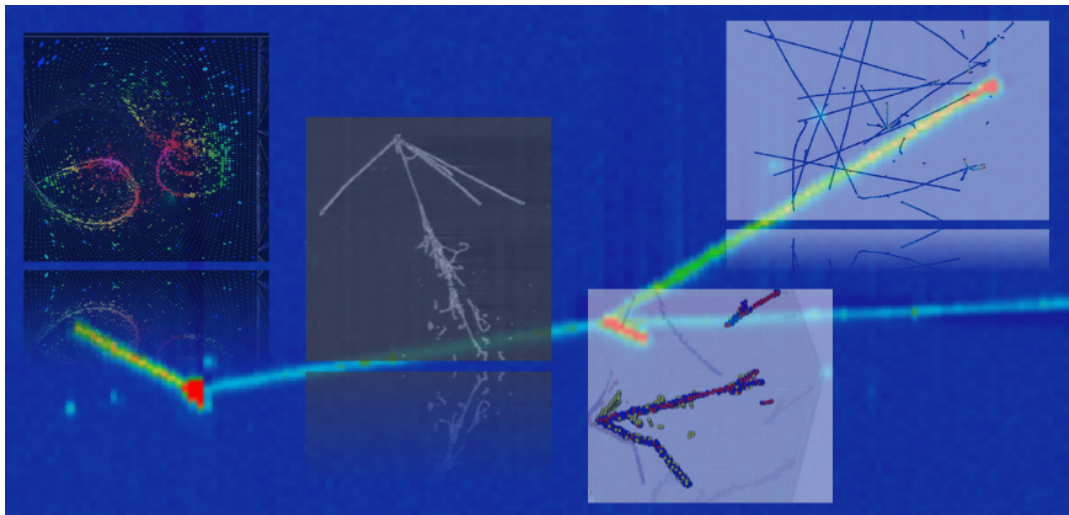


## Session Program

15-19 Jun 2026



## Neutrino Physics and Machine Learning 2026

### *Applications: Energy, Direction & Kinematic Reconstruction*

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

# Monday 15 June

14:40

## Applications: Energy, Direction & Kinematic Reconstruction

**Session** |

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

14:40-15:00

**Physics-informed continuous normalizing flows to learn the electric field within a time-projection chamber**

**Speaker**

Dr Peter Gaemers

15:00-15:05

**Q/A**

15:05-15:25

**Successes and pitfalls of applying machine learning techniques for reconstruction in the Tokai to Kamioka and Super Kamiokande experiments**

**Speaker**

Félix Cormier

15:25-15:30

**Q/A**

15:30-15:50

**Coffee**

15:50

# Friday 19 June

13:20

## Applications: Energy, Direction & Kinematic Reconstruction

**Session** |

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

13:20-13:35

### Regression Convolutional Neural Network for Energy Estimation in NOvA

**Speaker**

Larry Zhao

13:35-13:40

**Q/A**

13:40-14:00

### Machine Learning for Atmospheric Neutrino Reconstruction at JUNO

**Speaker**

Weijun Li

14:00-14:05

**Q/A**

14:05