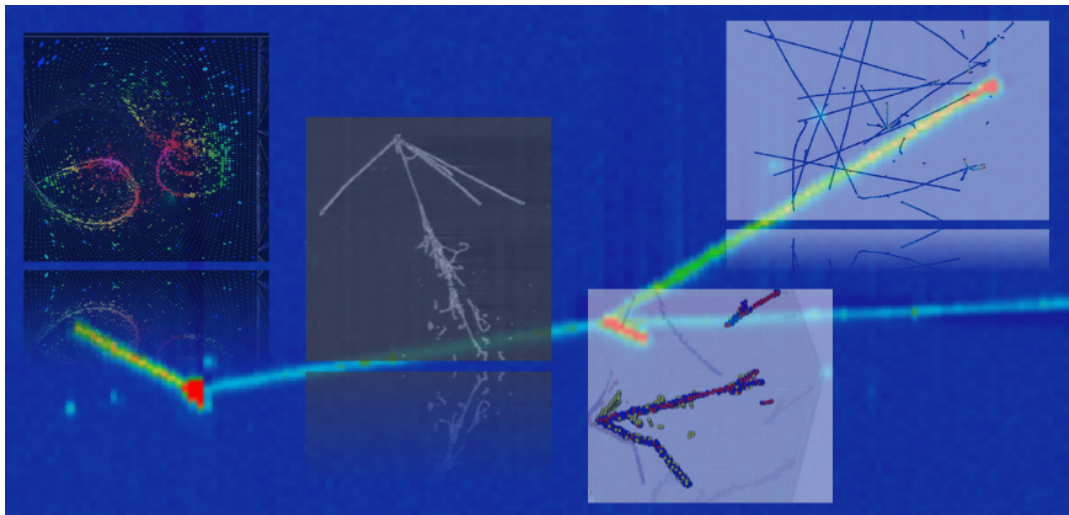


Session Program

Aug 22 - 25, 2023



Neutrino Physics and Machine Learning 2023

Session 6

Tufts University

4th Floor Tufts Collaborative Learning and Innovation Center (CLIC) 574 Boston Ave, Medford, MA 02155

Zoom link: <https://tufts.zoom.us/j/94932630273?pwd=Z3VSK3A2Tmx2a21uaDdsVHRSenU1dz09>

Meeting ID: 949 3263 0273 Passcode: 880336

Thu, August 24

1:00 PM

Session 6

Session |

Location: Tufts University, 4th Floor Tufts Collaborative Learning and Innovation Center (CLIC) 574 Boston Ave, Medford, MA 02155 Zoom link: <https://tufts.zoom.us/j/94932630273?pwd=Z3VSK3A2Tmx2a21uaDdsVHRSenU1dz09> Meeting ID: 949 3263 0273 Passcode: 880336

1:00 - 1:35 PM

An Introduction to Quantum Machine Learning for Neutrino Astronomy

Speakers

Mr Pavel Zhelnin, Prof. Carlos Argüelles-Delgado, Mr Jeff Lazar

1:35 - 1:45 PM

Q/A

1:45 - 2:20 PM

Design, implementation and reliability of machine learning algorithms in JUNO

Speaker

Leonard Imbert

2:20 - 2:30 PM

Q/A

2:30 - 2:45 PM

Coffee

2:45 - 3:20 PM

The RED-100 experiment (remote)

Speaker

Dmitrii Rudik

3:20 - 3:30 PM

Q/A

3:30 - 3:55 PM

Pointlike events discrimination in the RED-100 experiment using ML algorithms (remote)

Speaker

Olga Razuvaeva

3:55 - 4:05 PM

Q/A

4:05 - 4:20 PM

Coffee

4:20 - 4:55 PM

HITMAN: Machine Learning Likelihoods for Arbitrary Optical Neutrino Detectors

Speakers

Garrett Wendel, Prof. Douglas Cowen

4:55 - 5:05 PM

Q/A

6:00 PM