Session Program

11–13 May 2026

Phenomenology 2026 Symposium

Neutrino Physics

University of Pittsburgh

Monday 11 May

16:30

Neutrino Physics: Masses, Exp. Signatures

Session | **Location:** David Lawrence Hall 107, University of Pittsburgh

16:30–16:45 **Direct Neutrino Mass Measurement with Project 8**

Speaker
Ehteshamul Karim

16:45–17:00
Sensitivity to Neutrino Mass and Secondary Physics of the Project 8 Experiment

Speaker
Chi-Ho Lam

17:00–17:15 **Binary Neutron Star Mergers as a Probe of Neutrino Mass**

Speaker
Dibya Sankar Chattopadhyay

17:15–17:30 **Latest Results from the CUORE experiment**

Speaker
Vivek Sharma

17:30–17:45 **How long can neutrons live?**

Speaker
Yulun Li

17:45–18:00
Phenomenological Chiral Perturbation Theory for Neutrino Event Generators

Speaker
Misa Toman

18:00–18:15
Form Factor Uncertainty Analysis for Coherent Neutrino Trident Scattering

Speaker
Diego Lopez Gutierrez

18:15–18:30
Global Extraction of the Nuclear Electromagnetic Response Functions of C-12 and Comparisons to the Predictions of the SuSAv2 Superscaling Formalism for Electron and Neutrino Scattering

Speaker
Zihao Lin

18:30

Tuesday 12 May

14:00

Neutrino Physics: BSM

Session | **Location:** David Lawrence Hall 203, University of Pittsburgh

14:00–14:15 **Neutrino/Beam-Dump Complementarity for New Physics**

Speaker
Kevin Kelly

14:15–14:30
Widen the Resonance: Probing a New Regime of Neutrino Self-Interactions with Cosmic Neutrinos

Speaker
Bei Zhou

14:30–14:45 **Charged Lepton Flavor Violation at Neutrino Telescopes**

Speaker
Writasree Maitra

14:45–15:00
Testing RG Evolution of Neutrino Mixing with IceCube Double Bang Events

Speaker
Mr Samiur R. Mir

15:00–15:15
Constraining hyperons and non-standard interactions with anti-electron neutrinos

Speaker
Dr Toni Makela

15:15–15:30
Drell-Yan Production of New Particles at Fixed-Target Experiments: Heavy Neutral Lepton as a Case Study

Speaker
Francis Burk

15:30–15:45
The Cosmic Neutrino Background is within Reach of Future Neutrino Telescopes

Speaker
Xiaolin Qi

15:45–16:00 **Reshaping the neutrino fog**

Speaker
Julian Rovner

16:00