Session Program

13-17 May 2024

DPF-PHENO 2024

DPF - PHENO 2024 Minisymposium

University of Pittsburgh / Carnegie Mellon University

Monday 13 May

14:00

Minisymposium: Charged lepton violation

Session | Location: University of Pittsburgh, David Lawrence Hall 121 | Convener: Robert Bernstein

14:00-14:30

Exploring the Frontiers: Experimental Endeavors in Charged Lepton Flavor Violation

Speaker

Gianantonio Pezzullo

14:30-14:45 The search for muon to positron conversion at Mu2e

Speaker

Michael Mackenzie

14:45-15:00 CLFV at e+e- experiments

Speaker

Swagato Banerjee

15:00-15:15 PIONEER: a next-generation rare pion decay experiment

Speaker

Yousen Zhang

15:15-15:30 Light new physics at Mu3e

Speaker

Kevin Langhoff

15:3016:00

Minisymposium: Neutrino Science with the DUNE Experiment

Session | Location: University of Pittsburgh, David Lawrence Hall 121 | Convener: Vaia Papadimitriou

16:00-16:22 Open questions in neutrino physics

Speaker

Patrick Huber

16:22-16:45 Status and Prospects of the DUNE Experiment

Speaker

Wei Shi

16:45-17:00 Deep-learning at DUNE Far Detector

Speaker

Prof. Jianming Bian

17:00-17:15

Neural Network Based Fast Optical Simulation Method in ProtoDUNE-VD

Speaker

Shuaixiang (Shu) Zhang

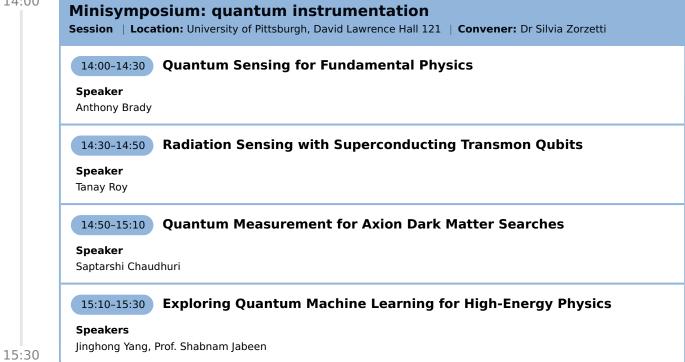
17:15-17:30 The ProtoDUNE experiment: past results and future plans

Speaker Matthew Gar Jun Man

17:30

Tuesday 14 May

14:00



3

Wednesday 15 May

14:00

Minisymposium: 10 TeV center of mass Session | Location: University of Pittsburgh, David Lawrence Hall 121 | Convener: Sridhara Dasu 14:00-14:30 Muon Collider in the future of the Energy Frontier Speaker Sergo Jindariani 14:30-14:50 Maximising luminosity at the muon collider Speaker **Chris Rogers** 14:50-15:10 Muon Colliders for 10 TeV Center of Mass: The Accelerator and Collider

Speaker

J. Scott Berg

15:10-15:30 **Detector and Machine-Detector Interface (MDI) Challenges**

Speaker

Tova Ray Holmes

15:30 16:00

Minisymposium: forward physics

Session | Location: University of Pittsburgh, David Lawrence Hall 121 | Convener: Brian Thomas Batell

Multi-Messenger Collider Physics at the Forward Physics Facility 16:00-16:30

Speaker

Jonathan Lee Feng

16:30-16:45 FASER: recent results and perspectives

Speaker

Shih-Chieh Hsu

16:45-17:00 The Forward Liquid Argon Experiment at the Forward Physics Facility

Speaker

Prof. Jianming Bian

SND@LHC: Recent results and future prospects 17:00-17:15

Speaker

Oliver Lantwin

17:15-17:30 FORMOSA: looking forward to millicharged particles at the LHC

Speaker

Matt Joyce

17:30

Thursday 16 May

14:00



15:30