

Session Program

5-7 Jun 2023

**Path to Dark Sector Discoveries at Neutrino
Experiments**

Tuesday

Tuesday 6 June

09:00

Tuesday

Session | **Location:** Lori Student Center, Colorado State University Room 308-10

09:00–09:45

FNAL Beamline Simulation

Speaker

Zarko Pavlovic

10:30

09:45–10:30

Modelling Heavy Neutral Leptons in GENIE: the BeamHNL module

Speaker

Komninos Plows

11:00

Tuesday

Session | **Location:** Lori Student Center, Colorado State University Room 308-10

11:00–11:45

Calibrating LArTPCs for Low-Energy Searches

Speaker

Michael Mooney

11:45–12:30

Constraining Backgrounds for Non-Oscillation Physics

Speaker

Raquel Castillo

12:30

14:00

Tuesday

Session | **Location:** Lori Student Center, Colorado State University Room 308-10

14:00–14:45

Machine Learning Reconstruction in LArTPCs

Speaker

Francois Drielsma

14:45–15:30

Timing for Non-Oscillation Searches

Speaker

Xiao Luo

15:30

16:00

Tuesday

Session | **Location:** Lori Student Center, Colorado State University Room 308-10

16:00–16:45

Overview of Non-Oscillation Searches at SBN Experiments

Speaker

Vittorio Paolone

16:45–17:30

Future Directions in Dark Sector Searches

Speaker

Bhupal Dev

17:30