

## Session Program

9-11 May 2022



# Phenomenology 2022 Symposium: From Virtual to Real

## *Neutrinos I*

University of Pittsburgh  
Pittsburgh, PA 15260

Monday 9 May

16:30

Neutrinos I

Session | Location: Lawrence Hall 205 | Convener: Shirley Li

16:30–16:45 Probing light Dirac neutrino portal Dark Matter via CMB observations

Speaker  
Dr Debasish Borah

16:45–17:00 Exploring Strange Origin of Dirac Neutrino Masses at Hadron Colliders

Speaker  
Dr Matthew Sullivan

17:00–17:15 Dimuons in Neutrino Telescopes: New Predictions and First Search in IceCube

Speaker  
Bei Zhou

17:15–17:30 Neutrinos from the LHC: Neutral Current Measurements and Electromagnetic Properties at the FPF

Speaker  
Roshan Mammen Abraham

17:30–17:45 Towards probing the diffuse supernova neutrino background in all flavors

Speaker  
Anna M. Suliga

17:45–18:00 Chiral gauge theories connecting Dark matter and neutrinos

Speaker  
Shreyashi Chakdar

18:00–18:15 From Zero to Hero... to Zero?  $0\nu\beta\beta$ -decay, energy frontier probes, and the origin of matter

Speaker  
Sebastian Urrutia-Quiroga

18:15–18:30 Probing the neutrinophilic  $Z'$  at the DUNE near detector

Speaker  
Garv Chauhan

18:30