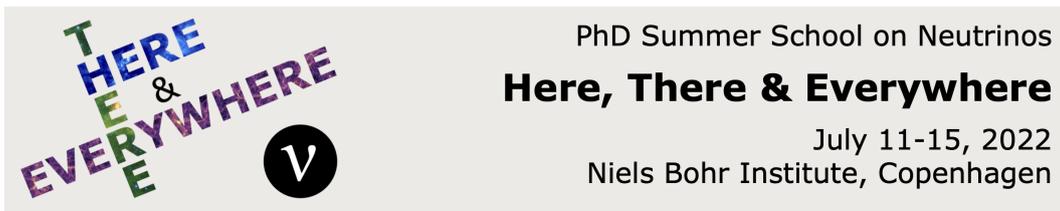


Session Program

11-15 Jul 2022



NBIA Summer School on Neutrinos: Here, There & Everywhere

Student Talks

Niels Bohr Institute, Auditorium A
Blegdamsvej 17 DK-2100 Copenhagen

Monday 11 July

14:00

Student Talks

Session | Location: NBI, Auditorium A

14:00–14:12 **Deciphering Cosmic Neutrinos**

Speaker

Kathrine Mørch Groth

14:12–14:24 **Lepto-hadronic modelling of TXS0506+056 blazar**

Speaker

Sunanda .

14:24–14:36

IceCube Search for High-Energy Neutrinos from Obscured Sources in the Great Observatories All-Sky LIRG Survey (GOALS)

Speaker

Yarno Merckx

14:36–14:48

Rapid Response to Extraordinary Events: the Gamma-Ray Follow Up (GFU) platform for IceCube

Speaker

Caterina Boscolo Meneguolo

14:48–15:00

Constraining very high energy diffuse gamma (and neutrino) emission with Tibet AS γ data.

Speaker

Vittoria Vecchiotti

15:00

Tuesday 12 July

14:00

Student Talks

Session | Location: NBI, Auditorium A

14:00–14:12

Prospects of neutrino oscillation physics with JUNO

Speaker

Beatrice Jelmini

14:12–14:24

Impact of Wave Packet Separation in Low-Energy Sterile Neutrino Searches

Speaker

Toni Bertólez Martínez

14:24–14:36

HNL Searches in IceCube: Current Status and Future Opportunities

Speaker

Julia Book

14:36–14:48

Dark Matter decay to neutrinos

Speaker

Diyaselis Delgado

14:48–15:00

Reparameterisations of the neutrino mixing matrix in long-baseline analysis

Speaker

Andres Lopez Moreno

15:00

Wednesday 13 July

14:00

Student Talks

Session | Location: NBI, Auditorium A

14:00–14:12

Self-confinement of low-energy cosmic rays around supernova remnants

Speaker

Hanno Jacobs

14:12–14:24

Collective Effect in Supernova Neutrinos

Speaker

Pedro Dedin Neto

14:24–14:36

Exploiting a future galactic supernova to probe neutrino magnetic moments

Speaker

Yago Philippe Porto Silva

14:36–14:48

CORSIKA simulation for massive quarks in hadronic showers

Speaker

Bhanu Pant

14:48–15:00

Machine-learning aided experimental design for P-ONE

Speaker

Janik Prottung

15:00

Thursday 14 July

14:00

Student Talks

Session | Location: NBI, Auditorium A

14:00-14:12

Can Neutrinos 'save' Early Dark Energy?

Speaker

Alexander Reeves

14:12-14:24

Neutrino Masses, Leptogenesis and Dark Matter from a Scotogenic Model with two Higgs doublets

Speaker

Edward Wang

14:24-14:36

Sensitivity of the T2K Near Detector Upgrade to constrain CCQE uncertainties in the Spectral Function model

Speaker

Jaafar Chakrani

14:36-14:48

Characterisation of Germanium Detectors for LEGEND-200

Speaker

Abigail Alexander

14:48-15:00

Background modeling in GERDA

Speaker

Valentina Biancacci

15:00