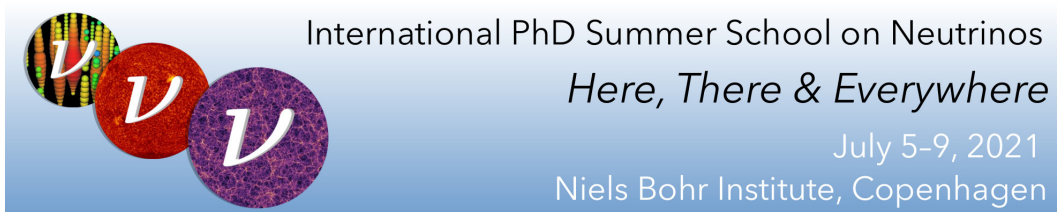


Session Program

5-9 Jul 2021



NBIA Summer School on Neutrinos: Here, There & Everywhere

Student Talks

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

Monday 5 July

13:30

Student Talks

Session | **Location:** Zoom, <https://ucph-ku.zoom.us/j/65131069481?pwd=Sk1ZMUlLU3F0NmNIQlFVNkjiNmIUQT09>

13:30–13:45

Chiral EFT Treatment of Neutrinoless Double Beta Decay with Majoron Emission

Speaker

Nele Volmer

13:45–14:00

Neutrino masses from simple scoto-seesaw model with spontaneous CP violation

Speaker

D. Barreiros

14:00–14:15

Flavoured leptogenesis and type-II seesaw mechanism with two Higgs triplet scalars

Speaker

Sreerupa Chongdar

14:15

16:00

Student Talks

Session | **Location:** Zoom, <https://ucph-ku.zoom.us/j/65131069481?pwd=Sk1ZMUlLU3F0NmNIQlFVNkjiNmIUQT09>

16:00–16:15

The effect of muons production and neutrino trapping on Binary Neutron Star merger remnants

Speaker

Eleonora Loffredo

16:15–16:30

Exploring the extension of IceCube's supernova observational reach using HE neutrinos from CCSNe ejecta-CSM interaction

Speaker

Nora Valtonen-Mattila

16:30

Tuesday 6 July

13:45

Student Talks

Session | **Location:** Zoom, <https://ucph-ku.zoom.us/j/65131069481?pwd=Sk1ZMUlLU3F0NmNIQlFVNkjiNmIUQT09>

13:45–14:00 **Decaying dark matter**

Speaker

Andreas Nygaard

14:00

16:00

Student Talks

Session | **Location:** Zoom, <https://ucph-ku.zoom.us/j/65131069481?pwd=Sk1ZMUlLU3F0NmNIQlFVNkjiNmIUQT09>

16:00–16:15 **Heavy decaying dark matter at future neutrino radio telescopes**

Speaker

Rasmi Enrique Hajjar Muñoz

16:15–16:30

Neutrino Mixing by modifying the Yukawa coupling structure of constrained sequential dominance

Speaker

Joy Ganguly

16:30

Wednesday 7 July

13:30

Student Talks

Session | **Location:** Zoom, <https://ucph-ku.zoom.us/j/65131069481?pwd=Sk1ZMUlLU3F0NmNIQlFVNkjiNmIUQT09>

13:30–13:45

Physics studies for ND280 upgrade at T2K experiment

Speaker

Quoc Viet NGUYEN

13:45–14:00

Exploring neutrino-nucleon cross sections at the EeV level in upcoming neutrino telescopes

Speaker

Victor Valera Baca

14:00–14:15

Mass hierarchy and CP violation in neutrino oscillation experiments

Speaker

Ankur Nath

14:15

16:00

Student Talks

Session | **Location:** Zoom, <https://ucph-ku.zoom.us/j/65131069481?pwd=Sk1ZMUlLU3F0NmNIQlFVNkjiNmIUQT09>

16:00–16:15

Detection of Tau Neutrinos at the Super-Kamiokande Experiment

Speaker

Maitrayee Mandal

16:15–16:30

Two-Dimensional Air Shower Development with MCEq

Speaker

Tetiana Kozynets

16:30

Thursday 8 July

13:30

Student Talks

Session | **Location:** Zoom, <https://ucph-ku.zoom.us/j/65131069481?pwd=Sk1ZMUlLU3F0NmNIQlFVNkjiNmIUQT09>

13:30–13:45

Exploration of Directionality Capabilities with PROSPECT

Speaker

Diego Venegas Vargas

13:45–14:00

Development of a multi-ring ν_e sample at the T2K far detector

Speaker

Yashwanth S. Prabhu

14:00–14:15

Neutrinoless double beta decay search with GERDA and LEGEND

Speaker

Gabriela Rodrigues Araujo

14:15

16:00

Student Talks

Session | **Location:** Zoom, <https://ucph-ku.zoom.us/j/65131069481?pwd=Sk1ZMUlLU3F0NmNIQlFVNkjiNmIUQT09>

16:00–16:15

Multi-wavelength and multi-messenger studies of extragalactic high-energy particle sources

Speaker

Ilaria Viale

16:15–16:30

Coherent Elastic Neutrino-Nucleus Scattering and its implications in the search of new Physics

Speaker

G. Sanchez Garcia

16:30