

Session Program

7-11 Jul 2025



NBIA Summer School on Neutrinos: Here, There & Everywhere

Student Talks

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

Monday 7 July

14:00

Student Talks

Session | **Location:** NBI, Auditorium A

14:00–14:12

The GFU Program at Icecube. Current Developments and Future Perspectives

Speaker

Diego Alberto Coloma Borja

14:12–14:24

Neutrinos from AGN coronae: the case of TXS 0506+056

Speaker

Federico Testagrossa

14:24–14:36

Forecasting the Monogem TeV halo with CTAO

Speaker

Youyou Li

14:36–14:48

Prospects for detecting quark star features with IceCube

Speaker

María Durán de las Heras

14:48–15:00

Search for decoherence due to quantum gravity with the IceCube Neutrino Observatory

Speaker

Tanvi Krishnan

15:00–15:12

Transition-edge sensors to detect low-energy electrons: chasing the CvB and the neutrino mass

Speaker

Benedetta Corcione

15:15

Tuesday 8 July

14:00

Student Talks

Session | **Location:** NBI, Auditorium A

14:00–14:12

Neutrino Oscillation Studies Using KM3NeT/ORCA**Speaker**

Sharif El Mentawi

14:12–14:24

The ENUBET Demonstrator: beamtest characterization across the years**Speaker**

Giosuè Saibene

14:24–14:36

Inelasticity reconstruction and neutrino-antineutrino separation for the IceCube Upgrade detector.**Speaker**

Marc Jacquart

14:36–14:48

Prompt atmospheric leptons and the potential role of intrinsic charm.**Speaker**

Laksha Pradip Das

14:48–15:00

Hunting for electron-lepton number crossings in core-collapse supernovae**Speaker**

Marie Cornelius

15:00–15:12

Galactic Neutrino Emission with IceCube**Speaker**

Ludwig Neste

15:15

Wednesday 9 July

14:00

Student Talks

Session | **Location:** NBI, Auditorium A

14:00–14:12

The puzzle of neutrinos on cosmic scales

Speaker

Deng Wang

14:12–14:24

Unlocking the Inelastic Dark Matter Window with Vector Mediators

Speaker

Ana Luisa Foguel

14:24–14:36

Super-Kamiokande Strongly Constrains Leptophilic Dark Matter Capture in the Sun

Speaker

Thong Nguyen

14:36–14:48

Novel constraints on neutrino physics Beyond the Standard Model of elementary particles from the Conus and Conus+ experiments

Speaker

Dario Piani

14:48–15:00

Search of Heavy Neutral Leptons with KM3NeT-ORCA

Speaker

Jorge Prado González

15:00–15:12

Bounds on Ultra Heavy HNLs

Speaker

Kevin Urquía

15:15

Thursday 10 July

14:00

Student Talks

Session | **Location:** NBI, Auditorium A

14:00–14:12

Studying Muon Bundles for Improved EHE Neutrino Identification in IceCube

Speaker

Thomas Delmeulle

14:12–14:24

Ultra-high-energy neutrinos to look for super-heavy dark matter inside Earth

Speaker

Johannes Voss Jacobsen

14:24–14:36

Neutrino Detection Forecasts: Numerical Estimates for the Trinity Observatory

Speaker

David Raudales

14:36–14:48

Exploring High-Energy Neutrinos with the Trinity Demonstrator: Observations and Initial Analysis

Speaker

Sofia Stepanoff

14:48–15:00

End-to-end optimization of in-ice radio neutrino detectors using differentiable programming

Speaker

Martin Ravn

15:00–15:12

Radar echo signals in the RET-CR experiment

Speaker

Isha Loudon

15:15