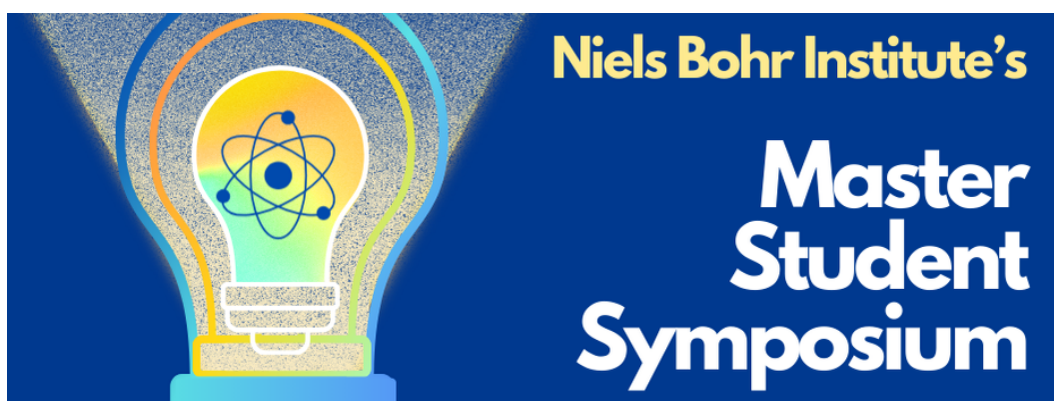


Session Program

14 March 2025



4th Annual Niels Bohr Institute MSc. Student Symposium

Poster session: Enjoy the posters!

H.C. Ørsted Institute, Auditorium 3 & Hall
Universitetsparken 5 2100 København Ø

Friday 14 March

16:05

Poster session: Enjoy the posters!

Session | **Location:** H.C. Ørsted Institute, Sydenden, Universitetsparken 5 2100 København Ø

16:05–18:00 **A multi-filter exploration of the galaxy size-wavelength relation**

16:05–18:00

The physics and chemistry of the cold dust and gas around protostars

16:05–18:00 **Searching for axions in the gamma-ray sky**

16:05–18:00

Probing Collective States of Ultracold Atoms via Cavity-Enhanced Interaction

16:05–18:00 **Machine learning prediction of climate multi-stability**

16:05–18:00 **Effects of Dark Matter on Quasinormal Modes and Tails of Black Holes**

16:05–18:00 **Developing methods for measuring clumped oxygen**

16:05–18:00

Angular reconstruction of high energy neutrinos in IceCube using machine learning

16:05–18:00 **Neutrinos in collapsars**

16:05–18:00

Extending Prometheus: an Open Source Neutrino Detector Simulation Framework

16:05–18:00

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

16:05–18:00

Photometric Tomography of the Intergalactic Medium at the Reionization Epoch

16:05–18:00

Neutrino Flavour Classification on High-Energy IceCube Events Using a Transformer Model

16:05–18:00

Probing the Ionization and Kinematics of AGN Broad-Line Regions: An Advanced Cloudy Photoionization Study

16:05–18:00 **Schwarzschild Modelling of the barred galaxy NGC 3783**

16:05–18:00

Sustaining galaxy gas turbulence by supernova feedback in dwarf galaxies

18:00

16:05-18:00 **Calibration of IceCube detectors**

16:05-18:00

Understanding Denmark's Changing Precipitation Through Explainable Machine Learning

16:05-18:00 **Decrypting AGN Spectra**