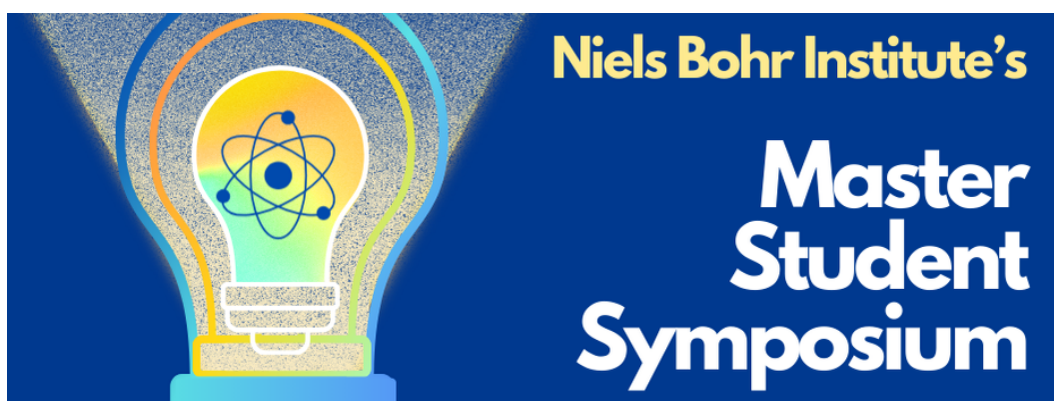


Session Program

14 March 2025



4th Annual Niels Bohr Institute MSc. Student Symposium

Presentations

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

Friday 14 March

13:00

Presentations

Session | **Location:** H.C. Ørsted Institute, Auditorium 3, Universitetsparken 5 2100 København Ø | **Convener:** Thea Guntofte

13:00–13:20

Gravitational waves lensing by the strong field of a black hole

Speaker

Matilde Garcia

13:20–13:40

Effects of non-linear excitation on the propagation of light

Speaker

Deniz Adigüzel

13:40–14:00

Exploring nematic behaviour in systems with polar symmetry

Speaker

Niels de Graaf Sousa

14:00–14:20

Quantifying the Reduction in Carbon Footprint of Physics-Informed Machine Learning in the Pursuit of Greener Artificial Intelligence Practices

Speaker

Sophia Wilson

14:20

14:45

Presentations

Session | **Location:** H.C. Ørsted Institute, Auditorium 3, Universitetsparken 5 2100 København Ø | **Convener:** Jens Milan Nielsen

14:45–15:05

Construction of Fault Tolerant Interfaces for Topological Quantum Error Correcting Codes

Speaker

Max Emil K.S. Sondergaard

15:05–15:25

Neutron Star properties through Collider experiments

Speaker

Andreas Vitsos

15:25–15:45

Diatoms - A novel sea-ice proxy

Speaker

Johanna-Sophia Köberl

15:45–16:05

Modelling bursty star formation in high redshift galaxies

Speaker

Elie Cueto

16:05