

## **Session Program**

**31 March 2023**



# **2nd Annual Niels Bohr Institute MSc. Student Symposium**

## ***Oral presentation***

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

# Friday 31 March

13:00

## Oral presentation: 1

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

13:00–13:20

**Improving Neutrino Oscillation Measurements by using the Earth's layer structure**

13:20–13:40

**Exploring Demographic Drift: A Redshift Dependent Two-Population Model of Type Ia Supernovae and Its Implications for Dark Energy**

13:40–14:00

**Effective bond theory for frustrated magnets**

14:00

14:20

## Oral presentation: 2

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

14:20–14:40

**Structural properties of kagome-layered crystals**

14:40–15:00

**Classifying the first large clean neutrino sample in real data from the IceCube Neutrino Observatory using a Graph Neural Network**

15:00–15:20

**Spectral Integrability In Twisted  $N = 4$  Super Yang-Mills Theory**

15:20–15:40

**Mechanisms behind Induced Polarization Effects in Water and Brines Confined in Clay Minerals Oriented Films**

15:40