

Session Program

25 March 2022



1st Annual Niels Bohr Institute MSc. Student Symposium

Poster session

H.C. Ørsted Institute, Auditorium 1 & Hall
Universitetsparken 5 2100 København Ø

Friday 25 March

16:00

Poster session: Enjoy the posters and refreshments!!!

Session | **Location:** H.C.Ørsted Institute, Hall

16:05–17:45

Optimization of high resolution climate model EC-Earth3-HR on CRAY-CX50

Speaker

Nga Ying Lo

16:05–17:45

Hunt for axions with high-energy astrophysical neutrinos

Speaker

Marie Cornelius

16:05–17:45

Examining Kilonova with Expanding Photospheres

Speaker

Albert Sneppen

16:05–17:45

Building a Fabry-Pérot cavity with optomechanical membrane

Speaker

Zihua Wang

16:05–17:45

Non-relativistic gravity and its linearisation

Speaker

Roberto Forbicia León

16:05–17:45

THE ROLE OF WATER IN PEA PROTEIN HYDRATION/DEHYDRATION, DENATURATION AND DECOMPOSITION

Speaker

Rui Liu

16:05–17:45

Assessment of crowding by viral spike protein Neuraminidase as a potential driver for membrane budding

Speaker

Victoria Thusgaard Ruhoff

16:05–17:45

Quadrupolar active stress induces exotic phases of defect motion in active nematics

Speaker

Salik Sultan

16:05–17:45

One point functions in AdS/dCFT

Speakers

Xin Qian, Mr Vasilis Moustakis

16:05–17:45

Search for Heavy Neutral Leptons from heavy mesons at ATLAS/SND

Speakers

Edis Tireli, Mr Mads Hyttel

16:05–17:45

Photometric/astrometric classification of QSOs using machine learning algorithms**Speakers**

Mr Ioannis Mageiras, Ms Marina Koukouvaou

16:05–17:45

Galaxy cluster cosmography with BayesLens**Speaker**

Jacob Osman Hjortlund

16:05–17:45

Planet Earth-like patterns in three-dimensional multi-species bacterial colonies**Speaker**

Alba García Vázquez

16:05–17:45

Automated methods for quality control in numerical weather prediction data assimilation**Speaker**

Tomás Fernández Bouvier

16:05–17:45

Impact of snow albedo over the Greenland ice sheet on the atmospheric circulation**Speaker**

Dana Lüdemann

16:05–17:45

Muon neutrino-antineutrino separation potential of the IceCube Upgrade using inelasticity**Speaker**

Marc Jacquart

16:05–17:45

Using EOF analysis to determine the impact of changing climate on baroclinicity in Scandinavia**Speaker**

Elloise Fangel-Lloyd

16:05–17:45

Machine Learning In IceCube: A Graphical Approach**Speakers**

Mr Kaare Endrup Iversen, Leon B

16:05–17:45

Quantum enhanced optical magnetic induction tomography of low conductivity objects**Speaker**

Alan Oesterle

16:05–17:45

Variational autoencoder analysis of phase transitions

Speaker

Felix Frohnert

16:05–17:45

Jamming-Unjamming transitions in active flexible filaments

Speaker

Varun Venkatesh

17:45