



# 4th Annual Niels Bohr Institute MSc. Student Symposium

## Friday 14 March 2025

### Presentations - Auditorium 3 (13:00 - 14:20)

-Conveners: Thea Guntofte

time	[id] title	presenter
13:00	[28] Gravitational waves lensing by the strong field of a black hole	GARCIA, Matilde
13:20	[29] Effects of non-linear excitation on the propagation of light	ADIGÜZEL, Deniz
13:40	[30] Exploring nematic behaviour in systems with polar symmetry	DE GRAAF SOUSA, Niels
14:00	[31] Quantifying the Reduction in Carbon Footprint of Physics-Informed Machine Learning in the Pursuit of Greener Artificial Intelligence Practices	WILSON, Sophia

### Presentations - Auditorium 3 (14:45 - 16:05)

-Conveners: Jens Milan Nielsen

time	[id] title	presenter
14:45	[32] Construction of Fault Tolerant Interfaces for Topological Quantum Error Correcting Codes	K.S. SONDERGAARD, Max Emil
15:05	[33] Neutron Star properties through Collider experiments	VITSOS, Andreas
15:25	[34] Diatoms - A novel sea-ice proxy	KÖBERL, Johanna-Sophia
15:45	[35] Modelling bursty star formation in high redshift galaxies	CUETO, Elie