

Session Program

19-21 Aug 2026

HAMLET-PHYSICS 2026 Conference

Plenary: Astrophysics and cosmology

Niels Bohr Building, Margrethe Bohr Salen
Jagtvej 155a, Copenhagen

Friday 21 August

10:30

Plenary: Astrophysics and cosmology

Session | **Location:** Niels Bohr Building, Margrethe Bohr Salen, Jagtvej 155a, Copenhagen

10:30–10:50

Simulation-Based Inference of High-Redshift Galaxy Environments with JWST

Speaker

Ivan Nikolic

10:50–11:10

Genesis-Metallicity: Non-Parametric Gas-Phase Metallicity Estimation for Galaxies Across Cosmic Time

Speaker

Dr Danial Langeroodi

11:10–11:30

Multimodal Generative Modelling of the Galaxy Population with pop-cosmos

Speaker

Dr Sinan Deger

11:30–11:50

Searching for Technosignatures with Machine Learning: The Breakthrough Listen LOFTS Dual-Station Radio Survey

Speaker

Prof. Aaron Golden

11:50–11:55

Stellar Stream Identification with Hyperparameter Transfer GNNs

Speaker

Adriana Dropulic

11:55–12:00

What Shapes the UV β Slope of Early Galaxies? An ML Approach to Galaxy Evolution in the Epoch of Reionization

Speakers

Mr Davey Plugers, Zhen Xiang

12:00–12:05

Transformers for heterogeneous time series of strongly lensed supernovae

Speaker

Nikki Arendse

12:05