Session Program

Jul 7 – 11, 2025

National Astronomy Meeting (NAM) 2025

A multi-scale and multi-tracer view of the cosmic web

Teaching and Learning Centre (TLC)
Durham University South Road Durham DH1 3LS

Tue, July 8

9:00 AM

A multi-scale and multi-tracer view of the cosmic web

Session | **Location:** OCW017, Ogden Centre West

9:00 – 9:30 AM
How the Large-Scale Environment Impacts Galaxy Evolution: Feedback, Quenching, and Cosmic-Web Effects

9:30 – 9:43 AM
Local Group Analogs in a cosmological context: Relating the velocity structure to the cosmic web

Speaker
Kai Wang

9:43 – 9:56 AM
Probing baryonic feedback and cosmology with patchy screening in the FLAMINGO simulations.

9:56 – 10:09 AM
The galaxy-environment connection revealed by constrained simulations

10:09 – 10:22 AM **Identifying backsplash galaxies using machine learning**

Speaker
Roan Haggar

10:22 – 10:25 AM **Poster annoucements**

10:30 AM

2:15 PM

A multi-scale and multi-tracer view of the cosmic web

Session | **Location:** OCW017, Ogden Centre West

2:15 – 2:45 PM **The Role of Filaments in Galaxy Evolution**

2:45 – 2:58 PM **A 15 Mpc rotating galaxy filament**

Speaker
Dr Madalina Tudorache

2:58 – 3:11 PM
Evidence that pre-processing in filaments drives the anisotropic quenching of satellite galaxies in massive clusters

Speaker
Harry Stephenson

3:11 – 3:24 PM
Exploring how galaxy colour depends on local environment measures and geometric environment

3:24 – 3:37 PM

The CAVITY project: tracing the evolution of galaxies in cosmic voids through IFS

3:37 – 3:40 PM **Poster annoucements**

3:45 PM