Session Program

Jul 7 – 11, 2025

National Astronomy Meeting (NAM) 2025

Explosive Transients in the Present and Future Sky

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

Wed, July 9

9:00 AM

Explosive Transients in the Present and Future Sky

Session | **Location:** TLC106

9:00 – 9:15 AM **A Photometric Approach to Type Ia Science**

Speaker
Nikolaos Shiamtanis

9:15 – 9:30 AM **Understanding kilonovae using radiative transfer simulations**

9:30 – 9:45 AM
Probing for Magnetars with Late-Time, Multi-Wavelength Observations of SLSNe

9:45 – 10:00 AM **Ultraviolet Spectroscopy of a Luminous Fast Blue Optical Transient**

10:00 – 10:15 AM
A study on late time UV-emission in core collapse supernovae and its use on uncovering peculiar transients

Speaker
Anne Inkenhaag

10:15 – 10:25 AM **Poster Flash Presentations**

10:30 AM

2:15 PM

Explosive Transients in the Present and Future Sky

Session | **Location:** TLC033

2:15 – 2:30 PM **The Search for ECLEs in DESI's Early Data Release**

Speaker
Peter Clark

2:30 – 2:45 PM
AT2019cmw: A highly luminous, cooling featureless-TDE candidate from the disruption of a high mass star in an early-type galaxy

2:45 – 3:00 PM **A tidal disruption event that turned off**

Speaker
Rob Eyles-Ferris

3:00 – 3:15 PM **Exploring the properties of TDE host galaxies**

Speaker
Paige Ramsden

3:15 – 3:30 PM
Preparing for the LSST Tidal Wave: Machine-Learned Simulated Photometry

3:45 PM

4:15 PM

Explosive Transients in the Present and Future Sky

Session | **Location:** TLC033

4:15 – 4:30 PM

Optimising Follow-Up of Gravitationally Lensed Supernovae Discovered with Rubin-LSST

Speaker
Erin Hayes

4:30 – 4:45 PM

Lensed Type IIn Supernovae with LSST: How Ultraviolet Suppression Shapes Detection Rates

Speaker
Andrés Ponte Pérez

4:45 – 5:00 PM

The early-time light curves of type II and type IIb supernovae from the ATLAS survey

5:00 – 5:15 PM

Shock Interaction Powering Late-Time Supernova Evolution: Tracing the Mass-Loss History of Massive Stars

Speaker
Amit Kumar

5:15 – 5:30 PM

Unveiling the complex mass loss of the transitional IIn SN 2024cld

Speaker
Tom Killestein

5:45 PM