

**Session Program**

**16-20 Sept 2025**

**HEASA 2025 (16 - 20 September)**

***GRBs, FRBs & other Transients***

# Thursday 18 September

08:30

## GRBs, FRBs & other Transients

**Session** | **Convener:** Dr Monica Barnard**08:30–09:00** **What we can learn from a growing sample of Fast Radio Bursts****Speaker**

Prof. Amanda Weltman

**09:00–09:15** **Fast Radio Bursts as Tools for Astrophysics and Cosmology****Speaker**

Jéferson Fortunato

**09:15–09:30****Constraints on Cosmological Parameters Using Gamma-Ray Bursts with Measured and Machine Learning-Derived Redshifts****Speaker**

Tamador Aldowma

**09:30–09:45****Investigating machine learning approaches for differentiating MGFs and SGRBs****Speaker**

Ms Dimakatso Maheso

**09:45–10:00****GRB 250129A: linking late-time afterglow polarisation to jet Structure and viewing geometry****Speaker**

Dr ankur ghosh

**10:00–10:15****Time-resolved spectro-polarimetric analysis of extremely bright GRB 230307A: Evidence of evolution from photospheric to synchrotron dominated emission****Speaker**

soumya gupta

**10:15–10:30****Compton polarization signatures in gamma-ray burst models****Speaker**

Pieter Vd Merwe

10:30