

## **Session Program**

**16-18 Jun 2025**

# **Fysikermøtet 2025 NTNU Trondheim**

## ***Parallell A3***

Gamle Elektro, EL5  
Gløshaugen, Trondheim

## Tuesday 17 June

13:15

### Parallell A3: Astro physics

**Session** | **Location:** Gamle Elektro, EL5, Gløshaugen, Trondheim

13:15–13:30

#### Ultra-high-energy cosmic rays from ultra-fast outflows of active galactic nuclei

**Speaker**

Domenik Ehlert

13:30–13:45

#### Investigating cannibalistic millisecond pulsar binaries using: New constraints from pulsar spin and mass evolution

**Speaker**

Devina Misra

13:45–14:00

#### Modeling Optical Light Curves and Radial Velocity Curves from Compact Binary Millisecond Pulsar Systems

**Speaker**

Bidisha Sen

14:00–14:15

#### Investigating the physical properties of tidal disruption events

**Speaker**

Ingrid Helgeland Sannæs

14:15–14:30

#### Discovery of gamma-ray orbital modulation in three spider pulsars

**Speaker**

Mr Maksat Satybaldiev

14:30–14:45

#### The power of the dark side: hunting spiders to find massive neutron stars

**Speaker**

Jordan Simpson

14:45