

Accretion and Outflows Across the Spectrum Schedule

Talks

Wednesday 09h00-10h30

09h00 : Welcome and Introduction (Amy Knight)

09h05: Probing Accretion and Ejection Physics through sub-second multi-wavelength observations (Invited) (Federico Vincentelli)

09h30: Simulating the Plunging Region: Testing Analytic Models and the Spin-Stress Relation (Jake Rule)

09h45: Long-term evolution of the helium nova V445 Puppis and the emergence of the underlying binary (John Mills)

10h00: Illuminating the disc and corona: geometric models of the unobscured X-ray binary MAXI J1348-630 (Darius Michienzi)

10h15: Dynamic shocks powered by a wide relativistic outflow from an accreting neutron star (Fraser Cowie)

Wednesday 16h15-17h45

16h15: Epic Fail! A Multi-Wavelength Summary of the Surprisingly Short 2024/25 Outburst from EXO 0748-676 (Amy Knight)

16h30: Nuclear energy generation in super-Eddington neutron star accretion disks drives disk dynamics and titanium-44 production (Sophie Abrahams)

16h45: Unmasking r-process Signatures in Hyper-accreting Black Hole Outflows (Liberty Adeler)

17h00: Exploring the impact of density contrast on jet morphology across the mass range (Clara Lilje)

17h15: Pulsed X-rays from the ultra-massive magnetic white dwarf merger remnant ZTF J1901+1458 (Aayush Desai)

17h30: Spin-dependent tidal disruption and fallback of white dwarf binaries by intermediate-mass black holes (Adarsh Pandey)

Posters

- Radio Emissions from Ultra-compact White Dwarfs (Anwesha Sahu)
- Revisiting the spin-orbit landscape of magnetic cataclysmic variables with an expanded multi-catalogue dataset (Sian Ford)
- Equatorially Asymmetric Magnetic Fields and Their Impact on Black Hole Accretion Dynamics (Ishika Palit)
- From spherical cows to asymmetric dinosaurs: astrophysical jets and a new numerical approach to modelling their emissions. (Christopher Everett)