Contribution ID: **124** Type: **Talk**

A NICER view of accretion onto Black Hole X-ray binaries

Black hole X-ray binaries (BHXBs) are key laboratories for studying accretion physics, relativistic jets, and strong gravity. Since its launch in 2017, NASA's Neutron Star Interior Composition Explorer (NICER) has provided unprecedented X-ray timing and spectral data, enabling new insights into accretion phenomenology and the physics behind. In this talk, I will review what we have learned about BHXBs from NICER observations in recent years, highlighting key discoveries related to quasi-periodic oscillations (QPOS) and their link to relativistic jets. I will also summarize NICER major contributions to multi-wavelength campaigns.

Contribution

Oral talk

Affiliation

University of Southampton

E-mail

d.altamirano@soton.ac.uk

Author: ALTAMIRANO, Diego (University of Southampton)

Presenter: ALTAMIRANO, Diego (University of Southampton)

Session Classification: Timing properties (Observations, modelling)

Track Classification: Talk