«A Microquasar Odyssey: Unveiling the Complexities»



Contribution ID: 45

Type: Flash-talk

X-ray spectral and timing evolution during the 2023-2024 outburst of GX 339-4

GX 339–4 is a low-mass X-ray binary often used as an archetype, showing typical source behaviors. The source undergoes a full outburst every 2-3 years, passing through all known accretion states. The 2023-2024 outburst was monitored as part of a multiwavelength campaign, which included X-ray observations by IXPE and NICER. We used NICER data to analyze the spectral-timing properties of GX 339-4 and compare them to those of previous outbursts. This spectral-timing information is used to characterize the evolution of the source during the outburst and to search for time-lags in the X-ray light curves. We will present the preliminary results of this analysis.

Contribution

Flash talk

Affiliation

Università degli Studi Roma Tre

E-mail

federico.ferretti@uniroma3.it

Author: Mr FERRETTI, Federico (Università degli Studi Roma Tre)

Presenter: Mr FERRETTI, Federico (Università degli Studi Roma Tre)

Session Classification: Flash-talk

Track Classification: Flash-talk