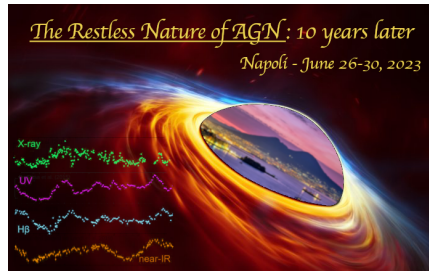


The restless nature of AGN: 10 years later



Contribution ID : 19

Type : **Contributed talk**

Stellar graveyards in AGN disks - prospects for multi-messenger transients

Tuesday, 27 June 2023 12:45 (15)

Active Galactic Nuclei (AGNs) can collect stars and stellar remnants from the vicinity of the galactic center into the inner plane of the AGN disk. The dense population of stellar objects give rise to a wealth of interactions from stellar-mass black hole collisions to the tidal disruption of stars on stellar-mass black holes. These transients are promising multi-messenger sources from gravitational waves to radiation across the electromagnetic spectrum. I will discuss what we currently know about AGN-assisted mergers and disruptions so far, and highlight the most promising future observational directions.

Primary author(s) : BARTOS, Imre

Presenter(s) : BARTOS, Imre

Session Classification : Accretion and variability theory