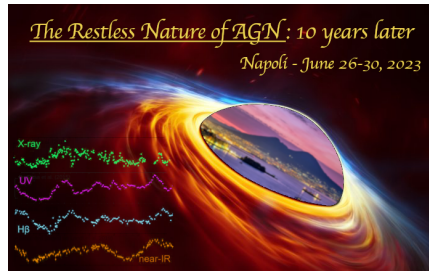


The restless nature of AGN: 10 years later



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Repeating TDEs in the quasi-periodic erupter GSN 069: Updates on QPE's properties and long-term evolution

X-ray Quasi-Periodic Eruptions (QPEs) are a novel X-ray variability phenomenon associated with supermassive black holes. QPEs are short-lived, high-amplitude, soft X-ray bursts typically recurring every few hours over an otherwise stable quiescent level. QPEs were first observed in the (repeating) TDE candidate GSN 069 by XMM-Newton (2019), and they have now been detected in the nuclei of several other galaxies. In my presentation, I will report on the current status of QPE's properties and long-term evolution in the best-monitored galaxy GSN 069, highlighting a possible QPE-TDE connection that may apply to other QPE sources as well.

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