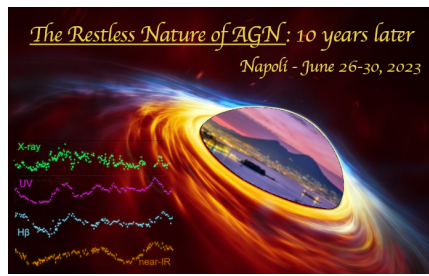


The restless nature of AGN: 10 years later



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A disk instability model for the quasi-periodic eruptions

Five QPE (quasi-periodic eruption) sources have been detected in the past few years. But so far, the mechanism of QPE is still unclear. In this talk, I will introduce you to a disk instability model based on [\cite{2021ApJ...910...97P}](#) (PLC21) to explain GSN 069 and other QPEs. We improve the work of PLC21 to include a non-zero viscous torque condition at the inner boundary of the disk and adopt a general form of viscous stress torque in the Kerr metric. It was found that our model can qualitatively reproduce both the light curve and the phase-resolved X-ray spectra of these sources.

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