

The restless nature of AGN: 10 years later



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Review: The Physics of Accretion and Outflow in Tidal Disruption Events

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Tidal disruption events of stars provide unique opportunities for probing massive black holes in centers of galaxies. Furthermore, these events are great laboratories for studying black hole accretion and outflow physics. In this talk, I will first give a theoretical overview of the accretion, wind and jet physics tidal disruption events. Then I will discuss our latest discoveries on using general relativistic magnetohydrodynamic and radiative transfer simulations to understand the accretion disk and outflow in tidal disruption events and connect theory to the observed signatures.

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Session Classification : Extreme variability: CL AGN, TDEs and binary SMBHs