

A CASCA Emerging Researchers Showcase



Contribution ID : 7

Type : **Poster**

Jets in Tidal Disruption Events

Astrophysical jets are ubiquitously associated with black hole accretion on all scales. Studying transient astrophysical jets teaches us about particle acceleration, accretion, general relativity and feedback all on human-observable timescales. Tidal disruption events (TDEs) are rare, multi-wavelength transients that allow astronomers to probe otherwise quiescent supermassive black holes (SMBHs). In this talk, I will demonstrate how radio and sub-mm observations can be used to study the micro- and microphysics of relativistic jets associated with some TDEs as well as their host galaxies. Then I will discuss how these studies can be used to improve our understanding of the broader jet population and what the future of our field looks like in the LSST and SKA era.

Did you give a contributed talk at CASCA 2026?

No

If you are selected for a poster, would you be interested in giving a short flash talk on your work?

No

What is your career level?

Postdoctoral

Which keyword describes the area of focus of this talk?

Transients

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