



Contribution ID: 329

Type: **Invited talk in a parallel session**

## Accretion processes around compact objects

*Thursday, 11 July 2024 15:00 (30 minutes)*

I will first plan to review the accretion phenomenology and underlying models, mostly for a black hole. I will attempt to touch upon, how over the decades with the evolution of observations with newer data, newer models are proposed to explain them: standard Shakura-Sunyaev Keplerian disk, advective sub-Keplerian disk, magnetically arrested (advective) disk, etc. Finally, I will aim to uncover two particular issues: QPOs and ULXs, based on one of the modern accretion theories.

**Primary author:** MUKHOPADHYAY, Banibrata (Indian Institute of Science)

**Presenter:** MUKHOPADHYAY, Banibrata (Indian Institute of Science)

**Session Classification:** Spectral and temporal properties of accretion flows and jets around compact objects and the theoretical models

**Track Classification:** Accretion (AC): Spectral and temporal properties of accretion flows and jets around compact objects and the theoretical models