## Seventeenth Marcel Grossmann Meeting



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.

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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