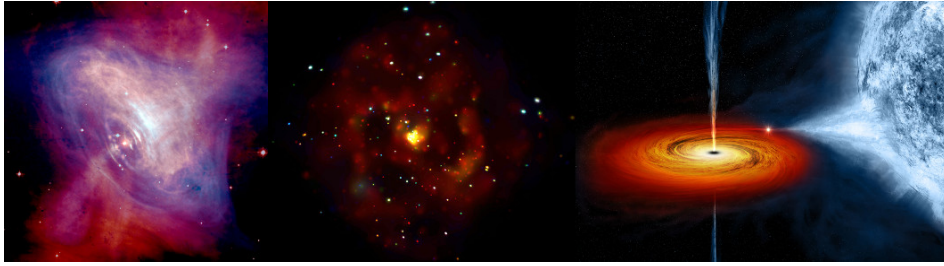


National conference on REcent Trends in the study of Compact Objects
(RETCO-V): Theory and Observation



Contribution ID: 135

Type: not specified

Review of accretion: spherical to magnetized and disk accretion, and explaining soft to hard X-ray sources

Monday, April 3, 2023 11:00 AM (30 minutes)

Accretion is one of the ubiquitous mechanisms involved in astrophysics. Underlying model was developed from its simplistic spherical symmetric form, namely Bondi accretion, in 1952, to the disk accretion with nonzero angular momentum in 1990s, to modern magnetically arrested accretion disk flow in the last decade. I will try to touch upon how with the improved and novel observations the accretion model has been required to modify over the 70 years to understand the Physics involved in the processes. If time permits, I will compare results from multiple models to explain same astrophysics, as observed, as is the case on some occasions.

Presentation Type

Oral

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Session Classification: Black Hole: Theory

Track Classification: Black Hole: Theory