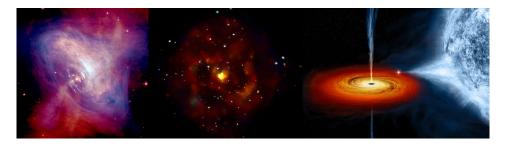
## National conference on REcent Trends in the study of Compact Objects (RETCO-V): Theory and Observation



Contribution ID: 83 Type: not specified

## Do plasma composition affect physics around compact objects?

Monday, April 3, 2023 9:00 AM (30 minutes)

In the non-relativistic regime, fluid composition do not affect solution of equations of motion, until explicit cooling is considered. One of the main reason is that the information of composition is not included in the equation of state. We show that indeed composition affects solutions of accretion and jets around compact objects where the temperatures are transrelativistic. We also discuss the obesrvational consequence .

## **Presentation Type**

Oral

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**Session Classification:** Black Hole: Theory

Track Classification: Black Hole: Theory