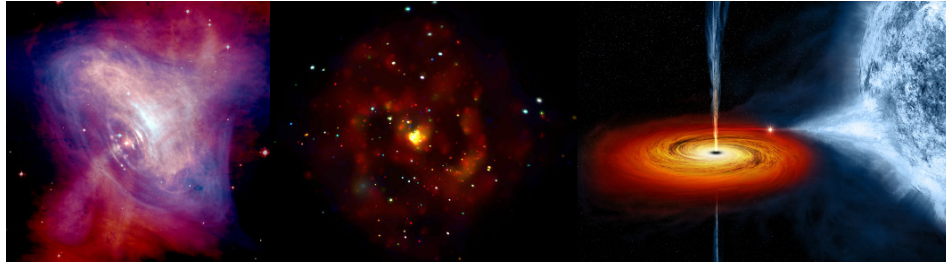


National conference on REcent Trends in the study of Compact Objects
(RETCO-V): Theory and Observation



Contribution ID: 129

Type: not specified

Study of transient sources with twin Devasthal 4-m class Telescopes

Cataclysmic variables are one of the most energetic transients of the Universe. After the activation of 4-m International Liquid Mirror Telescope (ILMT) and previously operational 3.6-m Devasthal Optical Telescope (DOT), Devasthal site offers an excellent opportunity to monitor faint transit detection and immediate followup observations. Such kind of coordinated monitoring will enable us to identify the physical nature of the transients with a unique complementary setup existed at one of the best site in India. The photometric and spectroscopic observations together in optical-near-infrared bands can be very useful to deduce some important information about the possible progenitors of these transient sources as well as their host galaxy properties such as the color, metallicity, star formation rate, stellar population, mass, age, etc.

Presentation Type

Poster

Primary author: JOSHI, Yogesh (ARIES, Nainital)

Presenter: JOSHI, Yogesh (ARIES, Nainital)

Session Classification: Posters

Track Classification: Posters