

# Astrophysical jets and observational facilities: National perspective, 05-09 April 2021, ARIES Nainital

Astrophysical jets are largely known as outflows of ionized matter and are observationally seen as extended beam of emission among a variety of sources both Galactic and extra-galactic. Underlying physics behind these enigmatic sources are one of the least understood areas and needs more attention to improve our present knowledge about such interesting sources. These sources are key ones to understand powering mechanisms and formation of jets at diverse astrophysical scales. In India, sizable fraction of astronomers work towards astrophysical sources like Active Galactic Nuclei (AGNs), Gamma-ray Bursts (GRBs), Supernovae, X-ray binaries etc. and make use of a range of multi-wavelength observational facilities. Also, in the near future, we plan to have a new generation of large observational facilities to address frontiers of the subject during the coming decades using both indigenous efforts and through international collaborations. The proposed national workshop aims to bring all the stake-holders together to discuss the subject matter at length and review the progress made so far and the proposed path ahead to strengthen the Indian community at large.

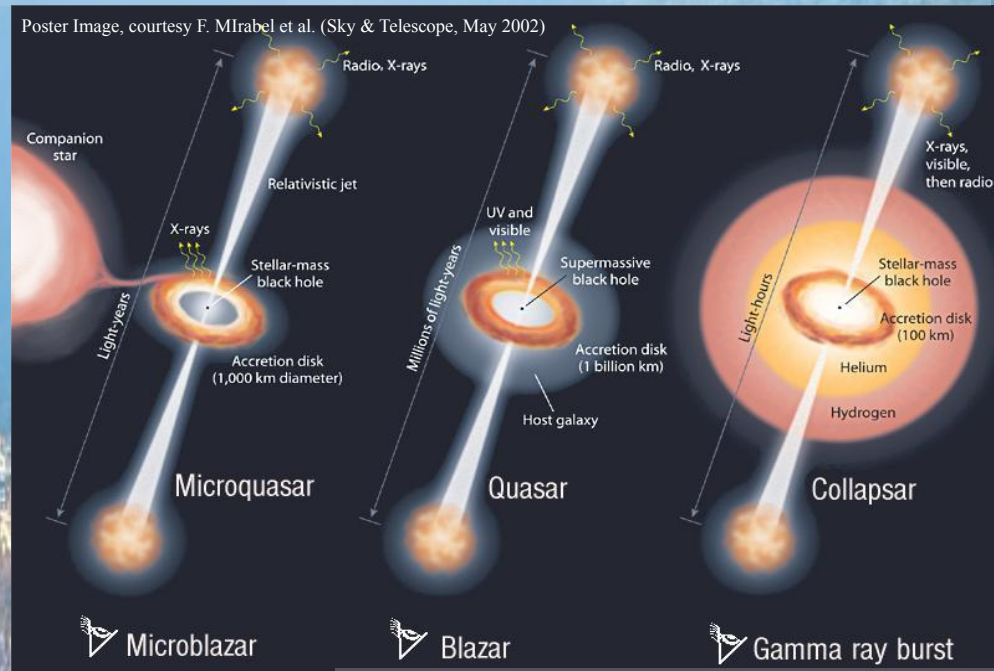
**Topics Covered:** Active galactic nuclei, Gamma-ray bursts, Supernovae, GW candidates, X-ray binaries/micro-quasars, existing multi-wavelength Indian facilities, upcoming Indian observational facilities

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## Important dates:

Registration/ abstract submission: 10-02-2021

Registration Close: 10-03-2021

No registration Fee

Webpage: [https://www.aries.res.in/jets\\_facilities/](https://www.aries.res.in/jets_facilities/)

Email : jets-facilities-2021@aries.res.in

