
Jet-wind interactions as calorimeters

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Abstract

The interaction of jets with their environment is often the most robust probe of jet physics. In the case of microquasars, the observational constraints are complicated by the unfavorable scaling of this interaction with jet thrust and ISM density, compared to AGN jets. However, jets from high-mass X-ray binaries and those in systems with evolved companions must propagate through the wind of the companion star before ever reaching the ISM. This interaction offers several powerful ways to constrain the physics of microquasar jets. I will discuss analytic and numerical work on the interaction of microquasar jets with the winds of the companion stars.

Keywords: High, mass X, ray binaries, winds, jets, shocks

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