

RELATIVISTIC OUTFLOWS FROM COMPACT GALACTIC SOURCES

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Relativistic jets are ubiquitous phenomena present in a variety of galactic sources. These jets can carry a significant fraction of the system's energy reservoir up to distances of a few tens of parsecs. Particle acceleration along the jets or at the interaction sites with the surrounding medium leads to the production of copious non-thermal emission, which is observed in a broad energy range, from radio to very-high-energy gamma-rays. While powerful galactic jets are typically associated to accretion processes in BH/NS X-ray binaries, jet-like features have recently been imaged also from isolated systems, most notably from young pulsars moving at high-speeds through the interstellar medium. In this talk I will review recent findings related to some of the most extreme examples of galactic jets, discussing the implications these findings have in our understanding of jet formation and propagation mechanisms.

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