

Jets, winds, and flares from black hole accretion flows

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The hard and quiescent states of black hole X-ray binaries and most supermassive black holes in the nearby universe are powered by hot accretion flows. In this talk, I will review wind and jet launched from this type of accretion flow, including both their theoretical studies and observational evidences. For winds, we will introduce their launching mechanism and main properties such as mass flux and velocity. For jets, in addition to the continuous jets, we will focus more on the formation mechanism of episodic jets and the associated flares.

Topic

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