

Winds in X-ray Binaries

Maxime Parra¹, Camille Diez²

1. Department of Physics, Ehime University, 2-5, Bunkyocho, Matsuyama, Ehime 790-8577, Japan

2. IRAP, Université de Toulouse, CNRS, CNES, 9 avenue du Colonel Roche, F-31028 Toulouse, France

In X-ray Binaries, which provide some of the most accessible signatures of extreme accretion in our Universe, winds remain as one of the most glaring gaps in our understanding of accretion-ejection structures. Depending on their theoretical prescription, they may completely transform the accretion flow, modify the cycles and duration of outbursts, influence the long-term evolution of binary systems, and release energy and mass into the interstellar medium. We will thus introduce both disk winds and stellar winds in X-ray Binaries, from their observational landscape to relevant wind launching mechanisms, and finally recent developments following the advent of high-resolution X-ray spectroscopy.