



11th meeting of the BRICS Astronomy Working Group

13 to 17 October 2025

Instituto Nacional de Pesquisas Espaciais (INPE) São José dos Campos, São Paulo, Brasil

An Overview of Galactic Transients

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Abstract

Galactic transients provide insights from a rich variety of short-lived, energetic phenomena, offering understanding not only of the physical processes occurring within the transient sources themselves but also of broader aspects of the Galaxy. This talk presents an overview of the diverse and often dramatic transient events in the Galaxy, highlighting how modern time-domain surveys and multi-wavelength observatories improve the ability to detect and classify them. Challenges and opportunities related to the study of transient phenomena in the Galaxy are also outlined.