

The formation and long-term evolution of circumbinary planetary systems across the H-R diagram

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A White Dwarf triple system in the Globular Cluster NGC6397

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The high stellar density in globular clusters produces a variety of intriguing objects resulting from binary interactions, such as blue stragglers, cataclysmic variables, and millisecond pulsars. Binaries play a critical role in the dynamical state of the cluster, as the orbital energy stored in these systems can prevent or delay core collapse. Comparing observed and predicted binary properties provides valuable insights into cluster evolution. Using MUSE spectroscopy, we have investigated the properties of binaries in globular clusters. Recently, we extended this work to explore the presence of triple systems, which are even more sensitive indicators of cluster dynamics. In this talk, we will present the discovery of a white dwarf triple system.

Presenter: DREIZLER, Stefan

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