

Simulating neutron stars with dissipative hydrodynamics

Wednesday 9 April 2025 16:54 (2 minutes)

In this talk, I will discuss our work in modelling neutron stars using the recently developed formulation for relativistic dissipative hydrodynamics, known as the BDNK theory. By performing numerical simulations of neutron stars in spherically symmetric spacetimes, we will study how incorporating dissipation using the BDNK theory affects the physical predictions of the system.

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Session Classification: Flash talks

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