

Neutrinos in Binary Neutron Star Mergers

Thursday, 15 August 2019 11:00 (20 minutes)

I will present results of general relativistic hydrodynamic (GRHD) simulations of binary neutron star (BNS) mergers with a hybrid leakage-transport scheme for the neutrino treatment. I will discuss the matter dynamics and show the thermodynamic conditions of the fluid in the region where the three evolved neutrino species decouple from matter. Finally, I will give an overview of the state-of-the-art for neutrino evolution in GRHD.

Keywords

Neutrinos

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