

Strangeness in Neutron Stars and Mergers

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Understanding the dynamics of hadrons with strangeness has received a lot attention over the past decades in connection with the study of exotic atoms, the analysis of strangeness production and propagation in particle and nuclear research facilities, and the investigation of the possible strange phases in the interior of neutron stars. One venue of interest in the field of strangeness is the study of strange baryons, the so-called hyperons. In this talk I will review the dynamics of hyperons with nucleons and nuclear matter. I will also discuss the presence of hyperons in the inner core of neutron stars as well as the consequences for the structure of these compact stars and their dynamics in neutron star mergers.

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