The Hadronic Equation of State for Neutron Stars

Wednesday, 14 August 2019 09:00 (30 minutes)

The equation of state (EoS) of dense hadronic matter is of crucial importance for the description of the static and dynamical properties of neutron stars. In this talk I will review the current status of the hadronic EoS for neutron stars, from the point of both ab-initio many-body approaches and phenomenological models. The theoretical predictions for the hadronic EoS will be compared to the data coming from both nuclear physics experiments and astrophysical observations, providing insights for future research.

Keywords

Nuclear Theory

Primary author: Dr TOLOS, Laura (Institute for Theoretical Physics, Goethe University)

Presenter: Dr TOLOS, Laura (Institute for Theoretical Physics, Goethe University)

Session Classification: Equation of State