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Neutron stars and Constraints for the Equation of State of Dense Matter

Tuesday 20 August 2024 12:00 (30 minutes)

In this talk I review our current understanding of the interior of neutron stars and modern constraints relevant for dense matter. This includes theoretical first-principle results from lattice and perturbative QCD, as well as chiral effective field theory results. From the experimental side, it includes heavy-ion collision and low-energy nuclear physics results, as well as observations from neutron stars and their mergers.

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