

Gravitational Waves and Neutron Star Equation of State

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概 要

The neutron star binary GW170817 detected via gravitational waves and the neutron star observed by NICER provide astronomical constraints on the equation of state (EoS) of dense matter. More precise and diverse astronomical observations are expected to further strengthen constraints on the EoS of dense matter. This presentation will focus on gravitational-wave observations and comprehensively discuss related topics. It will also include a brief introduction to research utilising next-generation gravitational-wave detectors.

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