Contribution ID: 140

Type: Talk

Observational constraints on the NS equation of state

Monday 10 September 2018 16:50 (20 minutes)

The measurement of neutron star mass and radius is one of the most direct ways to distinguish between various dense matter equations of state. The mass and radius of accreting neutron stars hosted in low-mass X-ray binaries can be constrained by several methods, including photospheric radius expansion from type I X-ray bursts, gravitational redshift measurement and from quiescent spectra. In this talk, I will report the neutron star mass and radius constraints in Aql X-1 and GRS 1747-312.

Author: LI, Zhaosheng (Department of Physics, Xiangtan University, China)

Presenter: LI, Zhaosheng (Department of Physics, Xiangtan University, China)