

Observational constraints on the NS equation of state

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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.

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