

Excited QCD 2014



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Dense nuclear matter in neutron stars

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I will discuss recent measurements of neutron stars masses and radii and their implications for the equation of state of high density matter. I will focus in particular on the possible appearance of delta resonances, hyperons and strange quark matter and the dynamics of the formation process of such “exotic” degrees of freedom. Finally, I will present diffusion simulations of the cooling of newly formed strange stars.

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