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Type: **Talk**

Dense QCD matter and neutron stars from holography

Tuesday, 18 June 2024 12:40 (20 minutes)

I will present the latest results on phases and properties of matter at large baryon densities using holographic methods. I will focus on the Witten-Sakai-Sugimoto model, where baryonic matter as well as quark matter and more exotic phases such as quarkyonic matter can be studied. In particular, I will discuss results for isospin-asymmetric matter and the construction of neutron stars from holography, including a dynamic calculation of the crust and the crust-core transition.

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