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Type: 4th week (Nuclear matter under extreme conditions)

Equation of state in neutron stars from a bottom-up holographic QCD model

Thursday, November 7, 2024 3:00 PM (30 minutes)

We derived equations of state for neutron stars using a bottom-up holographic QCD model. Our calculations include mass-radius relationships of neutron stars and the sound velocity in high-density QCD matter. We also obtained partial restoration of chiral symmetry in finite baryon density.

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