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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.

**Primary author:** IWANAKA, Akihiro (RCNP, Osaka U.)

**Co-authors:** HOSAKA, Atsushi (RCNP, JAEA); FUJII, Daisuke (JAEA); TACHIBANA, Motoi (Saga University); SAKAI, Tadakatsu (Nagoya University, KMI)

**Presenter:** IWANAKA, Akihiro (RCNP, Osaka U.)

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