

# Strangeon matter: from stars to nuggets

*Thursday, October 10, 2024 4:00 PM (20 minutes)*

We draw an analogy between the materials condensed by the strong interaction (i.e., strong matter) and that by the electromagnetic force (simply, electric matter), both of which are condensed matters with almost continuous mass spectrum, if Nature favors the quark-flavor symmetry. While strangeon stars could be manifested in the form of pulsar, gamma-ray bursts and fast radio bursts, strangeon nuggets would be a dark matter candidate in the standard model of particle physics. Observational evidence for strangeon matter is discussed.

**Presenter:** XU, Renxin (School of Physics, Peking University)