

9th International Conference on High Energy Particle and Nuclear Physics in the LHC Era



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Quarkyonic Matter

Monday 6 January 2025 17:20 (35 minutes)

I discuss Quarkyonic Matter as an explanation for observed characteristics of neutron star matter. I also argue that the onset of density of Quarkyonic Matter is near that of nuclear matter based on quark distributions measured in deep inelastic scattering. The appearance of Quarkyonic Matter in the phase diagram for QCD at finite temperature and density is quantitatively estimated.

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