

## QCD phase diagram from a 5-D holographic hardwall model

*Tuesday, 3 December 2024 17:50 (20)*

In this presentation, we will discuss the QCD phase diagram at finite temperature and baryon chemical potential obtained from an AdS/QCD hardwall model. The novelty of our work is to obtain solutions that represent the strongly interacting nuclear matter by applying boundary conditions derived from NJL and Van der Waals-type equations of state. Further, we investigate the possibility of baryonic condensates using the ideas of holographic superconductors.

**Presenter(s) :** SINGH, Akash (IISER Mohali (India))

**Session Classification :** Day 4: Parallel session I