



Contribution ID: 32

Type: **not specified**

Exploring cold and dense matter from two-color QCD: Numerical experiments and effective models

Thursday 21 August 2025 09:20 (25 minutes)

Two-color QCD is one of the useful testing grounds to explore cold and dense QCD medium, since the first-principles lattice numerical simulations are doable without suffering from the so-called sign problem. In this talk, I review recent progress of such numerical experiments. Then, I summarize what is unveiled by comparing with my effective model, the linear sigma model. Also I discuss possible extensions of effective models of two-color QCD to several directions.

Author: SUENAGA, Daiki (KMI, Nagoya University)

Presenter: SUENAGA, Daiki (KMI, Nagoya University)

Session Classification: Researcher session