THE CHINESE UNIVERSITY OF HONG KONG
Department of Physics

SEMINAR

The Physics of Many-Body QCD

by

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Date: August 29, 2023 (Tuesday)
Time: 2:30 - 3:15 p.m.
Place: Rm 311, Science Centre North Block, CUHK

ALL INTERESTED ARE WELCOME
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Abstract

Join us for an informal discussion on QCD. We'll explore the intricate many-body dynamics of quarks, gluons, and the non-trivial vacuum, touching upon such theoretical tools as Lattice QCD and dynamical quark models to understand confinement and chiral symmetry breaking. Some insights from "boiling" the vacuum through heavy ion collisions will be gathered. Finally we'll venture into modeling dense matter, which represents the most challenging region of the QCD phase diagram.

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