



THE CHINESE UNIVERSITY OF HONG KONG
Department of Physics
COLLOQUIUM

Uncovering Extreme Matter When Gravity Waves

by



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Date: January 10, 2025 (Friday)

Time: 4:00 - 5:00 p.m.

Place: L2, Science Centre, CUHK

(Light refreshments will be served at SCNB 1/F lobby from 3:30 to 3:50 p.m.)

ALL INTERESTED ARE WELCOME

Abstract

The recent gravitational wave observations of the collision of neutron stars have given us a glimpse into a realm where gravity and matter are both strongly-interacting and wildly dynamical. These waves carry a wealth of information about the universe, potentially revealing insights into nuclear physics at extreme densities and low temperatures. In this colloquium, I will explore how gravitational wave data can shed light on the physics of neutron stars, including their matter content and interactions under extreme conditions.

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