



THE CHINESE UNIVERSITY OF HONG KONG
Department of Physics
COLLOQUIUM

The Birth and Death of Supermassive Black Holes

by



Professor Luis C. HO (何子山教授)
Kavli Institute for Astronomy and Astrophysics
Peking University, China

Date: December 8, 2023 (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 majority of galaxies contain a central nuclear black hole, with masses ranging from ten thousand to ten billion solar masses. The formation and evolution of central black holes may be closely coupled with and help regulate the life cycle of galaxies. I will summarize the demographics of central black holes in the local Universe, the unique physical properties of their highly sub-Eddington AGNs, the discovery and statistical properties of "intermediate mass" black holes in low-mass, late-type galaxies, and recent spectacular developments enabled by JWST observations that give us a first glimpse into the earliest stages of the formation of galaxies and their accompanying central black holes.

Enquiries: 3943 6303