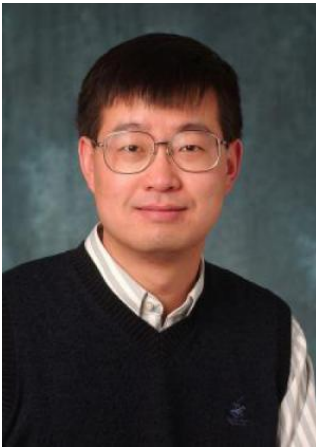




THE CHINESE UNIVERSITY OF HONG KONG
Department of Physics
COLLOQUIUM

Quantum Matter, Clock, and Fundamental Physics

by



Professor Jun YE (葉軍教授)

**JILA, National Institute of Standards and Technology
and University of Colorado
Boulder, Colorado, USA**

Date: January 28, 2022 (Friday)

Time: 9:30 - 10:30 a.m.

Join ZOOM Meeting: <https://cuhk.zoom.us/j/92627936673>



ALL INTERESTED ARE WELCOME

Abstract

Precise control of quantum states of matter and innovative laser technology are revolutionizing the performance of atomic clocks and metrology, providing opportunities to explore emerging phenomena and probe fundamental physics. I will highlight the recent work where the gravitational redshift within a single millimeter atomic ensemble is measured at the 2×10^{-20} level.

Enquiries: 3943 6303