



THE CHINESE UNIVERSITY OF HONG KONG
Department of Physics
COLLOQUIUM

Understanding Elementary Particles from the Large Scale Features of the Universe

by



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Date: May 8, 2020 (Friday)

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

Join ZOOM Meeting: <https://cuhk.zoom.us/j/9254001078>



ALL INTERESTED ARE WELCOME

Abstract

This talk is an introduction of cosmological collider physics. We first introduce the theory of the universe, especially cosmic inflation. Then we review the developments of collider particle physics. After that, we combine the two aspects, to show how to use cosmological observables to study particle physics, including determining the mass and spin of elementary particles that existed during cosmic inflation.