

Date: 13th June (Tue.) 2:00 pm ~ 4:00 pm

Place: Kenkyu-honkan 1F conference room 1

Speaker: Prof. Clem Pryke (University of Minnesota)

Title: The Search for Inflationary B-modes: Latest Results from BICEP/Keck

Abstract:

The BICEP/Keck experiments are Cosmic Microwave Background (CMB) polarimeters located at the South Pole in Antarctica. They are specifically designed to search for the signature of primordial gravitational waves produced during the inflationary birth of our universe. In this talk I will describe the instruments and the analysis of multi-frequency data which allows to separate the galactic dust foreground from a potential cosmological signal, and which sets the world's best current limit of $r < 0.09$ (95% CL).

Language: English