



千葉大学大学院理学研究院附属

ハドロン宇宙国際研究センター

International Center for Hadron Astrophysics

ICEHAP Seminar

Date **Sept. 1 Tuesday 14 : 00~15 : 00**

Location **ICEHAP Office (Engineering Research Bldg.1 Room609-1)**

By **Dr. Daisuke Kaneko**

(KEK, High Energy Accelerator Research Organization)

Title

『Design, deployment and commissioning of the Simons Array experiment』

Abstract

The Simons Array experiment is a cosmic microwave background (CMB) Experiment which located on the Atacama Plateau in Chile (5200m altitude). We are aiming at observing the polarization of CMB, especially at B-mode polarization, because it leads to information about cosmic of inflation, and mass of the neutrino. etc.

Two of total three receivers were already deployed to the site at Atacama, and the first light was achieved in year 2019 by observing radiation from planets.

Currently, commissioning work is underway to start the science observations.

The physics of CMB, design of the instrument, and the status of commissioning work are presented herein.

Location: Neutrino Astrophysics Department

@ Engineering Research Bldg. 6th floor



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