



**International Center
for Hadron Astrophysics**
ICEHAP CHIBA UNIVERSITY

ICEHAP Seminar

Date Nov. 14 Tue. 16 : 00~18 : 00

Location [ICEHAP Office \(Engineering Research Bldg.1 Room609-1\)](#)

By Dr. Yoshiyuki Inoue (Osaka University)

Title

『Non-thermal Coronal Activity in Seyfert Galaxies』

Abstract

Recently, IceCube has reported possible detection of high-energy neutrinos from several nearby unjetted Seyfert galaxies. Due to lack of strong jet activity and weak gamma-ray fluxes, it is widely believed that neutrinos are generated in coronae around central supermassive black holes. However, non-thermal coronal activity has not been well understood yet. In this talk, I would like to overview how non-thermal particles are generated in coronae and the related coronal magnetic activity. Then, I would like to discuss the available coronal cosmic-ray power based on accretion physics.