

Date/Time: 01/30 (Thur) 15:30 -

Speaker: Dr. Tomomi Sunayama (IPMU)

Place: Hon-kan Rm. no. 1

Title: Cosmology with Subaru Prime Focus Spectrograph (PFS)

Abstract: PFS (Prime Focus Spectrograph), a next generation facility instruments on the Subaru telescope, is a wide-field, massively multiplexed, and optical & near-infrared spectrograph. In the PFS cosmology survey, emission line galaxies (ELGs) in the wide redshift range from $z=0.6$ to 2.4 over 1400 square-degree will be observed. The unique redshift range for the PFS cosmology survey is at $z>2$. We envision that we will start our survey from 2022, and I will describe strategies to achieve the scientific goals as well as the possible systematic problems for future fiber-fed spectroscopic surveys.