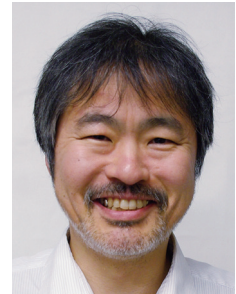


# Our Team

## Masashi Hazumi

Professor

Research Field: **Experimental Cosmology and Particle Physics**



I am excited to start working concurrently for Kavli IPMU and KEK. I am an experimental physicist. My research focuses on fundamental laws of elementary particles and space-time. Until 2007, I worked on accelerator-based particle physics experiments, including the Belle experiment at the KEK B factory where I discovered CP violation in B decays with my colleagues. I then became interested in experimental tests of cosmic inflation. Establishing a new group at KEK, I am now working for the POLARBEAR project with researchers at UC Berkeley, San Diego and other institutions. POLARBEAR, which is deployed in Atacama, Chile, is an instrument designed to measure

polarization of the cosmic microwave background (CMB).

At Kavli IPMU, I plan to promote the LiteBIRD satellite project, which aims at CMB polarization measurements with the ultimate precision. My hope with LiteBIRD is to scrutinize cosmic inflation and shed light on quantum gravity behind it.

## Song Huang

Postdoc

Research Field: **Astrophysics**



My main research interest is about the life of the massive galaxies in the Universe. As the population of galaxies that started to assemble at the dawn of Cosmic history, they carry invaluable information that can greatly help us extend our knowledge of galaxy formation and evolution. Using both photometric and spectroscopic information collected from ambitious project like the Hyper-Suprime Camera survey and

MaNGA, I will try to shed new light on the structural evolution, mass-accretion, and star-formation history of these fascinating galaxies.

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