

Korean Participation of ASTRO-F Project

Hyung Mok Lee

Seoul National University

Astronomy Program, SEES, Seoul National University, Korea and Institute of Space and Astronautical Science, Japan ASTRO-F is an infrared space satellite to be launched in early 2004 by Japanese space agency ISAS. It is composed of cryogenically cooled 70 cm Cassegrain telescope and variety of focal plane imaging and spectroscopic instruments. The primary purpose of this mission is to carry out all sky survey at mid and far infrared (between 50 - 200 μm). The sensitivity is about 50 to 100 times higher, and angular resolution is about 10 times better than the IRAS mission. Seoul National University is participating this project through the construction of data analysis pipeline for the Far Infrared Surveyor (FIS). In this talk, I describe the general aspects of the ASTRO-F project and elaborate upon recent progresses by Korean team on the observing simulations.