

ASTRO-F Project / Observations of Minor Bodies in the Solar System

Sunao Hasegawa[1]

[1] ISAS

The ASTRO-F is the first dedicated astronomy satellite in Japan. The ASTRO-F which is a 0.7-m cooled telescope will be launched with ISAS launch vehicle M-V-6 on 2004.

Mission targets of ASTRO-F are not only infrared background, galaxies, interstellar matter and dust, AGB stars, Vega-like stars, and Star formation regions but also solar system objects. We propose 4 titles for ASTRO-F mission programs; (1) mid- and far-infrared survey for minor bodies in the solar system, (2) near-infrared space-base spectroscopic survey of small solar system objects, (3) photometric and spectroscopic survey of cometary dust trails, and (4) origin and dynamical evolution of interplanetary dust particles.

In this presentation, we will introduce about ASTRO-F project and 4 title proposals by ASTRO-F.