

ALMA & ASTE Project / Observations of Minor Bodies in the Solar System

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We will report on the ALMA and ASTE projects and discuss the feasibility of observations of minor bodies in the solar system.

ALMA (Atacama Large Millimeter Array) is an international collaboration project on the radio astronomy. The 64 x 12m antenna array for millimeter and submillimeter will be built on the 5000m high plateau in Atacama, Chile by Japan, North America and Europe.

ASTE (Atacama Submillimeter Telescope Experiment) is a Japanese project in order to perform submillimeter observations at the same site of ALMA. The 10 meter telescope is being build by Japanese astronomers. The first light observations with ASTE will be carried out in the near future.

Submillimeter wavelength is the ultimate area for ground-based observations. The high collecting power for lights and time/angular resolution with 64 telescope allow us to perform various sciences such like astronomy, planetary sciences and biology.

Finally, the studies and its feasibilities of minor bodies in the solar system will be discussed.