

P136-034

Room: 304

Time: May 22 16:35-16:48

Infrared spectra of cometary dust reveal its shape, structure, and composition

Hiroshi Kimura[1]; Takeshi Chigai[1]; Tetsuo Yamamoto[1]

[1] ILTS, Hokkaido Univ.

Infrared spectra of crystalline silicate are highly sensitive to the shape, structure, and composition of dust particles. To better interpret infrared spectra of cometary dust, we apply a model of interstellar dust that is an aggregate consisting of submicron grains with an amorphous silicate core and an organic refractory mantle.