

Methane Emissions from the Atmospheres of Planets and Comets

Sang Joon Kim
Kyung Hee University

Near-IR band emissions of methane from the high-altitude atmospheres of Jupiter, Saturn (Drossart et al. 1999), and Titan (Kim et al. 2000) have been detected. We will discuss fluorescence and collisional processes in the high-altitude atmospheres of these planetary objects based on the observed intensities of the fundamental bands and combination bands of methane.