

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

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PPS025-01

Room:101

Time:May 23 14:15-14:30

Mechanism determining dust content in galaxies

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The origin of dust in galaxies is a fundamental issue in planetary science. In this talk, I will introduce the mechanism determining dust content in galaxies based on the "galactic chemical evolution model" which describes material circulation among four components of stars, interstellar medium, metals (elements heavier than helium), and dust in a galaxy.

Keywords: galaxy, dust formation, dust growth, dust destruction