

Extraterrestrial Dust

Laboratory Studies of Interplanetary Dust

This monograph reports on the recent developments in the area of interplanetary and pre-solar dust grains. Chemical and isotope analyses of dust are discussed, especially with the aim to study the origin and evolution of interplanetary dust. Recent observations of extraterrestrial dust obtained with LDEF, Galileo and Ulysses are presented. Several velocity mechanisms for dust particles are discussed, in addition to their impact on cosmic or cometary dust grain capture devices.

This volume is specially intended for research scientists and advanced (graduate) students in the fields of astronomy, astrophysics and geo and cosmochemists. Scientists in related fields, like the environmental sciences (especially researchers of artificial debris from rockets and boosters), are also likely to be interested in this work.

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