

Science priorities for Hayabusa-2 return samples

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Recent progresses in research of extraterrestrial materials have revealed that the most pristine materials in the solar system are an interacted mixture of minerals, ice, and organic matter. However, there have been no returned samples keeping the interactions between inorganic materials, ice and organic matter intact. In this talk, we will illustrate the importance of sample-return return missions from undifferentiated primitive asteroids and comets, which preserve pristine minerals, ice, and organic materials, and introduce the scientific priorities for Hayabusa-2 return-samples from a C-type asteroid 1999 JU3.

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