

Sample return from near-Earth C-type asteroid

TACHIBANA, Shogo^{1*}, Hayabusa-2 sampler team¹

¹Dept. Earth Planet. Sci., Univ. Tokyo

Several sample return missions from primitive undifferentiated asteroids, such as Hayabusa-2, Osiris-REx, and MarcoPolo-R, have been planned to obtain samples without any terrestrial contamination but with geological information. The target asteroids for the future missions are near-Earth C-type or related asteroids, from which rocks potentially keeping the interactions between minerals, ice and organic matter in the protosolar disk intact are expected to be sampled. In this talk, primary scientific goals of sample return missions from near-Earth primitive asteroids will be discussed.

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