

## Investigation of bullet shape for impact sampling.

# Teruo Makabe[1]

[1] Geosystem Engineering, Tokyo Univ.

In 2005, Hayabusa spacecraft was landed at an asteroid Itokawa and an impact sampling method was selected for collecting a piece of asteroid sample.

Now, a science mission Hayabusa-2, which is going to go C-type asteroid, is scheduled.

We focused on shape of bullet for more efficient impact sampling and are testing what kind of shape can lift up more target with same kinetic energy.

We report on the result of impact experiments with sping gun which is used for statistically enough trial running.