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Sample return from 107P/Wilson-Harrington

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We propose Sample Return mission from 107P/Wilson-Harrington, which is a dormant comet that potentially preserve pristine minerals, ice, and organics in the early solar system. Several sample return missions from primitive undifferentiated asteroids, such as Hayabusa-2, Osiris-REx, and MarcoPolo-R, have been planned to obtain samples from near-Earth C-type or related asteroids. Compared to those asteroids, 107P/Wilson-Harrington may preserve ice in its interior, and sample return of pristine ice is expected in the proposed mission.

Keywords: sample return, primitive bodies, Wilson-Harrington