



CONSERT / Rosetta: status of the experiment

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Abstract

The primary scientific goal of the CONSERT experiment on the Rosetta / Philae space mission is to investigate the deep interior of the nucleus of the comet 67P/Churyumov-Gerasimenko. This will be achieved through the use of long wavelength radio-waves transmitted by the Orbiter and returned from the Lander.

In this poster, the experiment is reviewed: its scientific goals are revisited in association with the CONSERT operating modes; the in-time transponder technique is explained and the instrument design is shown. The status of the experiment is presented: the instrument and the preparation of the scientific measurements around the comet.