

SYMPOSIUM ON TECHNOLOGICAL REQUIREMENTS FOR FUTURE SPACE ASTRONOMY AND
SOLAR-SYSTEM SCIENCE MISSIONS (A7)

Scientific Motivation and Requirements for Future Space Astronomy and Solar System Science Missions (2)

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THE CONSERT EXPERIMENT ON ROSETTA-PHILAE

Abstract

The Comet Nucleus Sounding Experiment by Radiowave Transmission (CONSERT) was first proposed in 1994 and selected by ESA in 1996 as one of the experiments on the Rosetta mission. It was initially intended to explore comet 46P/Wirtanen, but, due to delay in the launch date, the target had to be changed to comet 67P/Churyumov-Gerasimenko (67P), which has a larger nucleus. This invited talk will describe the technology used to implement this experiment, and the science results that were inferred from the experiment.