

Cometary dust analog samples analyzed with RAMAN microscopy

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Abstract

Cometary dust analog samples containing iron minerals were analyzed with laboratory Raman microscopy equipped with a 532 nm excitation source. We will discuss the relevance of these cometary dust model systems for the forthcoming interpretations of the envisaged in-situ measurements of Rosetta next to comet 67P/Churyumov-Gerasimenko.