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The MURAVES experiment at Vesuvius: geophysical implications

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We describe the muography laboratory built on the slopes of Vesuvius in the context of the MURAVES project. The aim of the experiment is the detection of the internal structure of the upper part of the volcanic cone, where different eruptive regimes in the period 1906-1944 (eg: effusive or explosive) generated internal volumes with different density. The laboratory is located inside the Vesuvius National Park, it is powered by solar panels and data transmission is based on a WiFi radio bridge.

Author: MACEDONIO, Giovanni (INGV - Osservatorio Vesuviano, Napoli, Italy)

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