

## **CORAM (COsmic RAY Mission): an outreach program 100 years after Pacini and Hess works**

The CORAM experiment is an outreach program carried on by researchers of the University of Salento and INFN Lecce in collaboration with several high schools of the Lecce region.

High School students and teachers are involved in the design, construction and test of a detector for the measurement of the cosmic ray flux as a function of the atmospheric depth.

The detector is made by scintillator layers readout by APDs (Avalanche Photo Diode) interleaved with iron absorbers and put into coincidence.

We present here the results of a test campaign using a first detector prototype that was carried at different altitudes up to 2100 m (Campo Imperatore, L'Aquila) and at the INFN Laboratori Nazionali del Gran Sasso.

The experiment might also be host on a atmospheric balloon.

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