



Contribution ID: 1039

Type: Talk

The MURAVES project and parallel activities on cosmic-ray muon absorption radiography

Saturday 26 August 2017 15:30 (30 minutes)

The **MURAVES** (MUon RAdiography of VESuvius) project is a joint activity of the University of Naples and Florence, INGV and INFN. The collaboration, following the experience gained within the previous R&D INFN project MURAY, is currently completing the production of a robust four square meter low power consumption detector to be installed on the flanks of mount Vesuvius (Italy). The detector is supposed to collect data for at least one year, thus allowing performing a scan of the structure of the Vesuvius volcanic cone. The activity around the MURAVES project has triggered the involved groups to investigate the possibility to test the application of the same technique to other fields, like Archaeology. An overview of MURAVES and of the connected activities will be presented.

Topic:

Special Session on Instruments and Methods in HEP

Summary

Authors: Dr BONECHI, Lorenzo (INFN Florence (IT)); SARACINO, Giulio (Universita e INFN, Napoli (IT)); D'ALESSANDRO, Raffaello (Universita e INFN, Florence (IT)); STROLIN, Paolo (Universita & INFN, Napoli-Unknown-Unknown); AMBROSINO, Fabio (Universita e INFN, Napoli (IT)); Dr CIMMINO, Luigi (Universita e INFN, Napoli (IT)); NOLI, Pasquale (Istituto Nazionale di Fisica Nucleare (INFN)); Dr MORI, Nicola (INFN Florence (IT)); Dr MELON, Barbara (INFN Florence (IT)); Dr MACEDONIO, Giovanni (INGV Osservatorio Vesuviano); Dr GIUDICEPIETRO, Flora (INGV Osservatorio Vesuviano); Dr MARTINI, Marcello (INGV Osservatorio Vesuviano); Dr ORAZI, Massimo (INGV Osservatorio Vesuviano); Dr PELUSO, Rosario (INGV Osservatorio Vesuviano)

Presenter: Dr BONECHI, Lorenzo (INFN Florence (IT))

Session Classification: Parallel session