



Contribution ID : 1115

Type : **Poster**

A monitor for atmospheric fluorescence radiation (MonRAt)

Abstract content

MonRAt is a compact experiment aiming to measure the fluorescence radiation in the atmosphere initiated by cosmic rays with energies between 100 TeV and 100 PeV. It is composite by a spherical mirror, a multi-anodic photomultiplier and an ultraviolet filter to select photons with wavelength between 300 and 450 nm. The monitor is intended to contribute in problems such as the study of fluorescence yield in the atmosphere. In the present poster we report the current status of the experiment.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

Primary author(s) : Prof. LEIGUI DE OLIVEIRA, M. A. (Centro de Ciências Naturais e Humanas - Universidade Federal do ABC)

Co-author(s) : Mr. LEÃO, M. S. A. B. (Centro de Ciências Naturais e Humanas - Universidade Federal do ABC); Prof. TAKIYA, C. (Departamento de Ciências Exatas - Universidade Estadual do Sudoeste da Bahia)

Presenter(s) : Prof. LEIGUI DE OLIVEIRA, M. A. (Centro de Ciências Naturais e Humanas - Universidade Federal do ABC)

Session Classification : Posters 2 + Coffee

Track Classification : HE.1.5