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The miniTRASGO International Research Network

Cosmic ray background reaching Earth is a deeply interesting field of research. A precise measurement of the rate of secondary cosmic rays arriving at the Earth surface provides us ample information about the solar activity, the space weather and the possible forecasting of magnetic storms. With all of these purposes in mind a new generation of small, versatile and affordable tracking detectors have been developed: the miniTrasgos. Several of them have already been built and deployed in different universities in Madrid (Spain), Warsaw (Poland), Puebla (Mexico) and Monterrey (Mexico). All detectors share the same layout and both reconstruction and analysis software. In this contribution paper the current status of the network is presented, along with the characteristics of each node and the preliminary results of the joint analysis of all the stations.

Collaboration(s)

The miniTRASGO International Network

Author: Prof. GARZON, Juan A. (Univ. Santiago de Compostela)

Presenter: Prof. GARZON, Juan A. (Univ. Santiago de Compostela)

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