

Proposal of a compact particle detector with commercial embedded systems

Tuesday, January 16, 2024 4:00 PM (20 minutes)

In this talk, the conceptual design of a compact particle detector will be presented, using the development of new systems such as embedded systems to be able to carry out signal preprocessing in real time, the system will make simultaneous measurements of atmospheric variables to be able to make subsequent or online corrections of the generated signals in the detector. The main idea of this project is to generate a prototype to be implemented in high schools.

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Session Classification: Interplay of the diverse cosmic rays detectors and standardisation of sharing and processing data