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Recent outreach activities of the EEE project

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The Extreme Energy Events project is an educational and scientific initiative lead by the Museo Storico della Fisica e Centro Studi e Ricerche Enrico Fermi (CREF) and the Istituto Nazionale di Fisica Nucleare (INFN), two research institutes under the control of the Italian Ministero dell'Università e Ricerca (MUR). The EEE project studies cosmic rays by means of a series of detectors (60) located inside Italian high schools or INFN/University laboratories. The detectors have been build and are operated with the strong cooperation of the students and teachers. Data from the different EEE detectors are centrally collected, reconstructed, and analyzed for scientific publications. However, they are also distributed to the students, who actively participate in the study of the properties of the muon flux and present their work at general meetings organized monthly both online or in presence. It is important to underline that the project involves the student during an entire year (and sometimes even more) allowing a continuous interaction with the researchers involved. A description of the several outreach activities and of the impact on the students' learning curve will be provided, together with a few examples of activities that lead to a publication with the signature of the students.

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Session Classification: Galactic and Solar Cosmic Rays

Track Classification: Outreach and Open Data