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Type: **Oral**

Cosmic ray physics: current status and theoretical challenges

Monday 19 June 2023 17:00 (35 minutes)

In this talk we will discuss the state of the art on our understanding of the cosmic ray physics. Emphasis will be put on energies from about 100 MeV up to TeV, with some connection also to UHECRs.

We will present the most relevant open problems in the nuclear and in the leptonic sector, and will discuss correlations and discovery potentials also in the gamma-ray sector.

Eligibility for "Best presentation for young researcher" prize

No

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Session Classification: Introductory talks

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