

Direct cosmic-ray measurements & Dark Matter search

Monday, May 22, 2017 10:05 AM (45 minutes)

An impressive wealth of results has been released in the last decade by space borne experiments based on state-of-the-art particle physics detector technologies. Direct cosmic ray measurements are finally entering in a “precision era” highlighting new and unexpected phenomena, which challenge the current understanding of cosmic ray acceleration and propagation in galaxy while looking towards new exotic sources, as Dark Matter. We will review the experimental approach in the last generation of direct CR experiments and discuss the latest results on charged cosmic rays with the main focus on the measurements more sensitive to Dark Matter signals.

Presenter: Prof. BERTUCCI, Bruna (University of Perugia)

Session Classification: Plenary 1