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## Review of Direct Cosmic Ray measurements

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In the last decade, direct cosmic ray studies entered in a new era of precision. Access to space with long-term running experiments and state of the art detectors has been the key to advance and to unveil unexpected features in the CR composition and energy spectra. A wealth of measurements is now available in a wide energy range, from few MeV to TeV, which provides new constraints to the different hypotheses for sources and acceleration mechanisms of galactic CRs as well as for their propagation.

The next challenge will be to further increase the energy limit, not only for a direct study of the CR spectrum knee but also to provide a considerable overlap with indirect measurements. In this contribution, we will overview the most recent results from direct CR studies and the perspectives for future experimental programs.

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