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The CR anisotropy below the knee: experiments and models of the last decade

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In the last decade important results were obtained about CR anisotropy at energy below the knee, i.e. for galactic CRs. Experiments like Tibet ASg, Milagro, ARGO-YBJ and Icecube reached unprecedented accuracy in measuring the arrival direction distribution of CRs and collected more than 10^{12} showers both in the northern and the southern hemisphere. There have been important findings, like the discovery of structures as narrow as $\sim 10^\circ$ with spectra significantly different from each other, or the absence of the Compton-Getting effect due to the motion of the Solar System in the Galaxy. The impact of the experimental outcome has been such that important steps in understanding the origin of the anisotropy were taken, mostly as far as the local interstellar medium is concerned. An attempt to overview the most relevant results and the ideas they prompted in recent years is made.

Summary

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