

Connection between Energy Spectrum, Mass Composition and Distribution of Sources of Extragalactic Cosmic Rays

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Cosmic ray particles undergo many changes during their propagation through the Universe including energy losses due to interactions with CMB or deflections in both galactic and extragalactic magnetic fields. Such effects make it much more difficult to identify some general cosmic ray properties and their original source. Results concerning the slope of the end of the cosmic ray energy spectrum in dependence on the source distance and mass composition of the primary cosmic rays from MC simulations made in CRPropa will be introduced.

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