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ON SPECTRA OF MUONS AND HADRONS IN EAS

Abstract content

A simple model of hadronic cascade (Chudakov's model) in the atmosphere gives muon and hadron spectra very similar to those obtained with full scale Monte Carlo calculations made with various models of CORSIKA code, thus confirming that not interaction model but cascade process plays the main role. A brief overview of the experimental situation is given. It is shown that EAS trigger conditions could result in a visible change of the spectra exponent both in energy and multiplicity spectra for muonic and hadronic components, which has no any relation to the "knee" in primary spectrum.

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Summary

Reference

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