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Characteristics of hadrons and muons in EAS

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Obtaining information from experimental data on a wide number of EAS, which are currently available for studying primary cosmic radiation and the explosive effects of hadrons at energies above 1015 eV, requires multi-parameter EAS studies. For example, the study of fluctuations in the number of muons in a shower with a fixed number of electrons or fluctuations in the distribution of the depth of the cascade maximum studied in the Cherenkov light in a fixed primary energy can provide information on the primary cosmic radiation. The energy of the primary particle that initiated the shower is most often estimated by the charged component of EAS. The calculation of space-energy characteristics can be related both to the presence of several ranges of visible energies, and from the point of view of the need for the necessary separate consideration of physical processes in different energy ranges. This work will be considered at the conference.

Is this abstract from experiment?

No

Name of experiment and experimental site

ADRON

Is the speaker for that presentation defined?

No

Details

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