



Contribution ID : 502

Type : **Poster**

Peculiarities of the EAS Structure with $E > 10^{17}$ eV Arriving from Different Regions of the Sky by Yakutsk Array Data

Abstract content

The energy spectrum of primary cosmic ray jointly with the lateral distribution function (LDF) of electrons and muons in EAS with the energy $E > 10^{17}$ eV by data of the Yakutsk array data are presented. It is shown that in the separate energy intervals the spectrum and LDF are of different form for the events coming from the Supergalaxy (Local supercluster galactics) disk and the rest part of the sky. It is interpreted as a manifestation of the possible interaction of the extragalactic CR with a Supergalaxy gas under which, perhaps, new particles of superhigh energies are born

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

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Session Classification : Posters 1 + Coffee

Track Classification : HE.1.3.A