

Temporal and lateral distributions of EAS neutron component measured with PRISMA-32

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Some results on the EAS neutron component measured by means of the PRISMA-32 array are presented. The array consists of 32 en-detectors capable to detect two main EAS components: electronic one consisting of charged particles, and hadronic one by measuring delayed thermal neutrons accompanying the showers. For thermal neutrons detection, we use a compound of a well-known inorganic scintillator ZnS(Ag) and LiF, enriched to 90 % with ^6Li isotope. This array allows register neutron component at whole area of the EAS. Information about EAS electron and neutron component can be used for EAS energy estimations.

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