

Comparing EAS registered with at PRISMA-32 array and CWC NEVOD

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The paper presents the data on comparing events recorded with two detectors of the Experimental complex NEVOD: PRISMA-32 array and Cherenkov water calorimeter (CWC) NEVOD. PRISMA-32 is an array for simultaneous registration of the electron-photon and neutron components of the EAS and consists of 32 detectors deployed over the area of ~ 500 m², along the perimeter of the CWC NEVOD. CWC NEVOD is a detector of a calorimetric type with a volume of 2000 cubic meters, in which the registration system of 91 quasi-spherical modules (546 FEU-200 photomultipliers) is placed. CWC provides measurement of the intensity of Cherenkov radiation from any direction with practically the same efficiency. The results of comparison of jointly registered events with different selection criteria are presented.

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