

Tunka-Grande scintillation array: resent results

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The number of the objectives of the TAIGA Astrophysical complex includes the study of the flux of charged cosmic rays and diffuse gamma rays with energies above 100 TeV. This complex is located in the Tunka Valley, about 50 km from Lake Baikal at the site of the Tunka-133 Cherenkov facility. TAIGA includes the TAIGA-HiSCORE wide-angle Cherenkov array, the network of Imaging Atmospheric Cherenkov Telescopes (TAIGA-IACT), the Tunka-Grande and TAIGA-Muon scintillation arrays.

The results of an analysis of the joint events of the Tunka-Grande scintillation array and TAIGA-HiSCORE and Tunka -133 Cherenkov facilities are presented. Joint events comparison results verify scintillation experiment sufficient accuracy for the joint study of mass composition of cosmic rays and gamma-hadron separation.

Reference to paper (DOI or arXiv)

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