

## The Tunka-Grande array: preliminary results for the first 5 years of operation

The Tunka-Grande array is the part of the TAIGA (Tunka Advanced Instrument for cosmic ray physics and Gamma Astronomy) astrophysical complex. This complex is located in the Tunka Valley, 50 km from Lake Baikal. The scientific program of the array is devoted to the study of cosmic rays by the detection of charged particles (electrons and muons) of EAS.

In the report we present a description of the Tunka-Grande array, methods of EAS parameters reconstruction, scientific program and the main results: CR energy spectrum in the energy range 10 PeV - 1000 PeV and limit on the flux of the diffuse gamma rays in the same energy range.

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