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TUNKA-GRANDE experiment

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Content

The Tunka- Grande array is a part of a single experimental complex TAIGA, which is located in the Tunka Valley (Republic of Buryatia, Russia) about 50 km from Lake Baikal. The purpose of this complex is the study of cosmic rays and gamma-ray of ultra-high energies by detecting extensive air showers. The Tunka-Grande array consists of 380 scintillation detectors distributed over 1 km² area. A description of the Tunka-Grande array is provided. The first results of the operation is presented. The prospects of studying the primary cosmic rays in the energy range 10 -1000 PeV during simultaneous registration of the radio emission, Cherenkov and charged particle components of extensive air showers are discussed.

Summary

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