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## Tunka-133: Results of 5 Years Observation and Future Experiments

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EAS Cherenkov light array Tunka-133 with ~3 km2 geometric area operated since 2009. Five winter seasons of data acquisition (~107 triggers) and high quality of information permitted us to reconstruct primary energy spectrum and mass composition in the energy range 6•1015 to 1018 eV. This energy range is the most important for understanding of transition from Galactic to extragalactic CR. The further experiments in Tunka Valley are briefly described –scintillation stations, Tunka radio extension, Tunka-HiSCORE, Tunka-IACT. The preliminary primary energy spectrum in the range 200 TeV - 20 PeV by the data of the first season of 9 HiSCORE stations operation will be presented. To start gamma-astronomy experiments in Tunka Valley researchers from a number of Russian and European Institutes arranged a Collaboration TAIGA (Tunka Advanced Instrument for cosmic ray and Gamma-Astronomy). The complex installation will consists of the net of wide-angle (1 sr field of view) Cherenkov light optical stations (Tunka-HiSCORE ), several (~10) IACT telescopes based on hemispherical mirrors of 10 m2 area (Tunka-IACT) and muon scintillation detectors of the total area ~2000 m2.

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