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A HiSCORE prototype at the Tunka-EAS array

A proof-of-principle experiment for the HiSCORE detector, a ground-based large-area wideangle γ -ray and cosmic-ray experiment focusing on the energy range beyond 10 TeV and up to 1 EeV, is planned at the Tunka-133 Cherenkov EAS array. The HiSCORE prototype units will be installed in 2012 and 2013. The calibration of the new detectors will be done by simultaneous observations with the Tunka-133 Cherenkov array, using the Earth atmosphere as a huge calorimeter. We review the main characteristics of HiSCORE, and plans for the next steps.

Author: Dr WISCHNEWSKI, Ralf (DESY Zeuthen)

Presenter: Dr WISCHNEWSKI, Ralf (DESY Zeuthen)