

Studying horizontal air showers at the Andyrchi array

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Abstract. The Andyrchi EAS array is located in Baksan Valley on the mountain slope of 30 degrees and has a certain advantage in studying extensive air showers from the horizontal directions (HAS). Several thousands of HAS (with zenith angles above 60 degrees) were recorded during its operation

since 1994. The upper limit of HAS intensity was obtained and the attempt to calculate the rate and angular distribution of the observed events was made.
