

## **THE CHERENKOV TRACK DETECTOR CONSISTING OF THE YAKUTSK COMPLEX EAS ARRAY**

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Characteristics of the Cherenkov detector on the basis of the camera obscura consisting of the Yakutsk complex EAS array are given. We discuss the possibility for direct measurement of the shower development maximum depth by the single detector of same construction. At that a core of a shower is determined by data of the operating EAS array: at  $\sim 10^{17}$  eV according to a trigger-500 for charged EAS component; at  $\sim 10^{16}$  eV with the autonomous Cherenkov installation.