

High Energy Cosmic Rays Investigations by Cerenkov radiation Generated in the Upper Atmosphere.

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We discuss an opportunity to study proton / antiproton, electron / positron and cosmic rays fluxes by Cerenkov radiation generated in the upper atmosphere. For balloon experiment (altitude of flights ~ 30-35 km) it is shown an opportunity to register proton / antiproton and cosmic rays fluxes at energies 0.4-4 TeV/n. Electron / positron spectra can be determined at energies 40 GeV - 1 TeV. The capability of experiment realization is discussed.