

**THE REALITY OF THE OLD – ESTABLISHED PROCESSES OF THE
HADRON PRODUCTION IN THE SYSTEM OF CENTER MASS OF THE
COLLIDING NUCLEONS.**

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The break in the extensive air shower spectrum, the big fluctuation in the altitudes of the generation showers by the primary protons at energies $10^{16} - 10^{17}$ eV, the very brief cascade process in the atmosphere, which is concluded by the pion decay - all this peculiarities are connected with the very high multiplicity of the secondary hadrons in the first collision of the primary protons with the air nuclei.