THE COMPARISON OF METAGALACTIC SOURCES NGC 1275, 3C454.3 and 1739+522 WITH THE EARLY KNOWN GALACTIC AND METAGALACTIC SOURCES

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The comparison of the observed by Tien Shan gamma-telescope SHALON metagalactic sources NGC 1275, Markarian 501, 3c454.3 and 1739+522 with the early investigated galactic sources Crab Nebula, Cygnus X-3, Geminga, Tycho Brahe exposed that all pointed out metagalactic sources have 10^6-10^8 higher intensity of the gamma-radiation than galactic sources. One descusses a differences of the energy spectrum of the cosmic rays, the spectrum of the gamma-quanta from NGC 1275 and Markarian 501 including 10-15 percentage of the cosmic rays particles and the gamma-quanta only ($F(E_\gamma)/dE_\gamma \sim E_\gamma^{-2.2\pm0.2}$ for NGC 1275, $F(E_\gamma)/dE_\gamma \sim E_\gamma^{-2.08\pm0.19}$ for Markarian).