

Indirect Dark Matter searches with the PAMELA experiment: a wide range cosmic ray observatory

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The PAMELA apparatus has been launched in space on June 15, 2006 on the Russian Resurs DK1 satellite, and is continuously taking data since July 2006. The experiment is devoted to the precise and extensive measurements of cosmic ray in space, with main focus on the antiprotons and positrons in the 100 MeV/200 GeV energy range. Primary protons, electrons and light nuclei spectra are also precisely measured, and many solar physics and geomagnetic related aspects can be investigated with high statistics and long time exposure. This talk will present the latest analysis of the PAMELA data, with particular emphasis on the antiproton/proton and positron/electron ratio.

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