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The high energy cosmic ray particle spectra measurements with the PAMELA calorimeter

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The PAMELA apparatus is in orbit from 2006 for today. The magnetic spectrometer, being the main part of the equipment, has a finite size and as a consequence the upper limit of energy measurements with it does not exceed 1 TeV. Therefore, to extend the available energy range towards higher energies the calorimeter data should be used. With the method based on the calorimeter data the energy spectra of electrons, protons and helium at high energies have been obtained for the period 2006-2013.

Summary

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