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4. High energy cosmic rays (HE-CR I)

**The high energy proton and helium spectra measurements with the PAMELA calorimeter**

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New measurements of the energy spectra of cosmic rays protons and helium nuclei with significantly increased statistics due to improvements of a selecting event method and involvement of all data for the period 2009-2013 into the analysis have been performed at energies above 0.8 TeV / nucleon with the calorimeter in the satellite experiment PAMELA.