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

Interpretation of Voyager 1 data on low energy cosmic rays in galactic wind model

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The local interstellar energy spectra of galactic cosmic ray protons, nuclei and electrons down to a few MeV/nucleon were directly measured in the experiment on the board of the Voyager 1 spacecraft. We suggest interpretation of these data based on our models of cosmic ray acceleration in supernova remnants and propagation in galactic wind selfconsistently driven by cosmic rays.