

Numerical studies on the influence of IMF models on the modulation of galactic cosmic rays

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Abstract

We present numerical solutions of the steady-state modulation of galactic cosmic rays for a 3D models which include drifts and without drifts for solar minimum periods. The aim of the calculation is to compare the results when the IMF has the form predicted by Fisk and by Parker with some modifications. Calculations of energy spectra, the spatial density variation of protons and anisotropy are presented.