HELIOSPHERIC MODULATION OF COSMIC RAYS COMPUTED WITH NEW LOCAL INTERSTELLAR SPECTRA

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Recent data regarding the synchrotron spectral indices for electrons resulted in a new proposed local interstellar spectrum (LIS) for electrons, due to the stringent constraints that these indices place on the local interstellar spectrum for electrons. Proton, anti-proton and positron spectra were also revised recently by many authors. In this study the effects of these new local interstellar spectra will be shown for heliospheric modulation, using a comprehensive modulation model.