

Electron velocity distribution function in the heliosphere from thermal to highest energy.

Thursday, 8 October 2015 15:00 (15)

Review presented of recent publications about experimental data, theoretical models and interpretations. The sources of electrons in the heliosphere are numerous and mainly related to the Sun, Interplanetary and interstellar medium, planets and other astrophysical objects. The energy spectra of electrons from thermal to highest energies are composed from different components due to transport processes in the phase space from mentioned sources. They are of fundamental physical interest per se and of technical applications as well. We summarize the gained knowledge in the visual simple shape as tables, plots and formulae for the aim to turn attention on unsolved questions and possible perspectives of obtaining new information.

Presentation type

Section talk (10+5 min)

Primary author(s) : VESELOVSKY, Igor (НИИЯФ МГУ, ИКИ РАН); KAPORTSEVA, Ksenia (MSU)

Presenter(s) : KAPORTSEVA, Ksenia (MSU)

Session Classification : Cosmic rays - parallel IV

Track Classification : Cosmic rays