

## **THE INFLUENCE OF NONTHERMAL ELECTRON DISTRIBUTIONS ON THE CHARGE STATE**

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We investigate the influence of non-thermal electron distributions on the formation of ionic states of heavy elements in SEP events. The equilibrium mean charges for several samples of non-Maxwellian background electrons (power law electron beam and bimaxwellian distributions) were calculated. According to our estimates the anomalously high densities of non-thermal electrons are required to obtain substantial difference in the charge states of heavy ions in comparison with thermal case.