

## PROPAGATION OF COSMIC RAY ELECTRONS IN THE GALAXY

Lagutin A.A, Osadchiy K.I. and **Strelnikov D.V.**

Altai State University, Barnaul 656099, Russia.

We have made a new calculation of the cosmic ray electron spectrum using an anomalous diffusion model to describe the propagation of electrons in the Galaxy. The parameters defining the anomalous diffusion have been recently determined from the study of nuclei propagation. The predicted electron spectrum is in a good agreement with the measurements. The source spectral index, found from experimental data, in this approach turns out to be equal to 3.25.