

Pozvánka na seminár

Ústavu experimentálnej fyziky

SAV



štvrtok 4. novembra 2021 o 11:00

on-line:

<https://uefsav.webex.com/meet/gabani>

„An analytically iterative method for solving problems of cosmic ray modulation in 1D and 2D“

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Anotácia:

Analytical approximate method to solve cosmic ray (CR) modulation in the heliosphere will be presented. This method allows to an extent significantly the class of solvable cases. This enables to obtain the distribution of CR in a wide spectrum of its energies. The method is especially useful for further development of numerical modulation models developing at the Department of Space Physics IEP SAS. Using analytical and numerical methods allows control of the precision and accuracy of the results. Current and future activities of the research are focused to derive the analytical solution of the TPE for 2D case with taking into account the drift of the particles and when diffusion coefficients have a dependence on heliospheric magnetic field.

V Košiciach dňa 28. 10. 2021

doc. RNDr. Slavomír Gabáni, PhD.
vedecký tajomník ÚEF SAV