Contribution ID : **235**   Type : **Poster**

Neutrino-electron scattering in a dense magnetized plasma

Wednesday, 12 October 2016 15:30 (30)

The process of neutrino-electron scattering in a dense plasma and magnetic field of arbitrary strength, where electrons can occupy the states corresponding to excited Landau levels, is analyzed. The total probability and the mean values of the neutrino energy volume density and momentum losses due to this process are calculated. Possible astrophysical applications are discussed.

Primary author(s) :   Mr. SAVIN, Vasiliy (Yaroslavl State P.G. Demidov University)

Co-author(s) :   Prof. KUZNETSOV, Alexander (Yaroslavl State P.G. Demidov University)

Presenter(s) :   Mr. SAVIN, Vasiliy (Yaroslavl State P.G. Demidov University)

Session Classification : Poster session - III

Track Classification : Nuclear physics and particle physics