

Dirac and Majorana neutrinos in neutrino-electron scattering process with New Physics.

Abstract

Previously it has been established that if the incident neutrino polarization is different from minus one, then, it is possible to have measurable differences between Dirac and Majorana neutrino-electron scattering processes. This difference can even be used to establish a new upper bound for the neutrino magnetic moment. Here we show that by introducing New Physics (NP) that violates CP it is possible to enhance the difference between Dirac and Majorana neutrino-electron scattering process.

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