



Contribution ID: 7

Type: **Poster**

Contribution to the neutrino form factors coming from the charged Higgs of a two Higgs doublet model in presence of magnetic fields

The presence of a charged Higgs in the two Higgs doublet model in presence of magnetic field induces additional corrections to the neutrino form factors. We calculate and analyze such contributions in the parameter space of the two Higgs doublet model type I and type II. The characterization of the neutrino form factors could discriminate between Majorana and Dirac neutrinos.

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Track Classification: Theory / Phenomenology