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# Neutrino interaction with solid state 2D plasma

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The neutrino is one of the most ‘shy’ particle that nature created, it’s almost massless and has no electric charge. That leads to a really low interaction between neutrino and matter, nevertheless they are important in many scenarios and studying them we can test our models. Nowadays, the detection of neutrino is based on the scattering mediated by W boson that leads to a charged lepton who is revealed by measuring its Cherenkov radiation. My work is to study the interaction between neutrino and electrons plasma with the goal to increase the sensibility of the detection.

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