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Constraining the tau-neutrino transition magnetic moment at DUNE

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Current limits for the tau-neutrino transition magnetic moment to a sterile neutrino are far weaker than its electron and muon counterparts. In this poster/talk I discuss on-going work to investigate possible constraints on the transition magnetic moment between the tau neutrino and an $O(\text{MeV})$ sterile neutrino at DUNE: the proposed neutrino-beam experiment at FermiLab. I compare this with existing limits and limits at proposed neutrino experiments such as SHiP.

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