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Dark Matter in a scotogenic model with a $U(1)_{L\mu-L\tau}$

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Dark Matter and neutrinos are one of the most puzzling components of the Universe. We study a realization of the scotogenic model for neutrino masses using a $U(1)$ gauge symmetry between muon and tau fermion. The model contains 3 possible WIMP Dark Matter candidates: A majorana fermion, a CP-even and a CP-odd scalar. We consider a basic set of observables to constrain the model, and we make emphasis on the muon's g-2.

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