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Spin 3/2 dark matter in the radiative seesaw

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We propose a model with spin 3/2 fermions and vector doublets. We compute neutrino masses via radiative seesaw mechanism. We investigate the consequences of the model in the dark matter relic abundance. Furthermore, we implement the Casas-Ibarra parametrization to constraint the parameter space considering theoretical constraints. We also analyze the parameter space for direct detection of dark matter.

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