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# Neutrino masses at two-loop in multi-component dark matter Z5 model

We proposed a radiative seesaw model where the neutrino masses are generated at two loops. We analyzed the phenomenology of the Z5 model for two-component dark matter and neutrino masses. The Z5 symmetry allows interactions that give rise to processes between dark matter particles that affect their relic densities and their detection, which we studied in detail. In a first approach we considered the scalar sector to be the dark matter candidates, and then we studied the case of a neutrino and scalar as dark matter candidates.

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