

Long-lived Multi-charged particles and neutrino mass models

Thursday 12 January 2023 14:50 (20 minutes)

We will discuss multi-lepton signals of LNV that can arise with experimentally interesting rates in certain loop models of neutrino mass generation. Interestingly, in such models the observed smallness of the active neutrino masses, together with the high-multiplicity of the final states, leads in large parts of the viable parameter space to the prediction of long-lived charged particles. We focus on one particular 1-loop neutrino mass model in this class and discuss its LHC phenomenology.

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