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Low Energy Signatures of the TeV Scale See-Saw Mechanism

We study the phenomenological consequences of the type I see-saw model, when the right-handed neutrinos have masses at the electroweak scale. Concretely, we discuss the prospects to produce and detect the right-handed neutrinos at colliders in view of the present constraints from electroweak precision observables and rare muon decays. We find that the most promising experiments to observe the first signatures of such models are the searches for lepton flavour violation and for neutrinoless double beta decay.

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