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Testing the neutrino mass generation mechanism at the colliders

The neutrino mass generation mechanism is a mystery so far which explains the possible origin of the tiny observed neutrino masses and the flavor mixings over the decades- which indicates the existence of the beyond the Standard Model (BSM) physics, however, there is no observation of such BSM physics so far. Among the plethora of scenarios, the simple tree level mass generation mechanism with heavy fermions are the interesting ones which are tested at the Large Hadron Collider for the years. In this talk we will discuss briefly about the current status of these models and their prospects in the near future.

Working group

WG5

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