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Neutrino masses generated through new physics at the TeV scale

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The small neutrino masses might be a consequence of the well known seesaw mechanism, which requires new fields as heavy as 10^{14} GeV. However, there are alternative explanations. For example neutrino masses might be generated through loops or via high-dimensional operators. In both cases, the mediating particles can have TeV-scale masses, and if so it might be possible to produce them at the LHC.

Collaboration name

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