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Radiative Origin of Majorana Neutrino Masses

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Majorana neutrino masses can originate either at the tree level (type-I, II or III seesaws) or can be radiatively induced. The latter option naturally requires order TeV BSM fields, thus leading to -in principle- testable neutrino mass generation mechanisms. Based on a two-loop systematic classification of the dimension five effective Weinberg operator, in this talk I will discuss the different realizations one can envisage for neutrino mass generation at the two-loop order.

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