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NuTools for Colliders

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Like at the LHC, tests of neutrino mass models will constitute a leading component of the new physics programs at proposed experiments such as the ILC, CepC/CppC, and FCC-ee/hh. This challenge requires the engineering of new search strategies, employing novel production mechanisms, and ultimately the development of Monte Carlo (MC) simulation software that feed into modern simulation tool chains. This includes, for example, the HeavyN, TypeIISeesaw, EffectiveLRSM, SMWeinberg, and VPrime FeynRules UFO libraries, which are now in wide-spread use by the high energy community. In this talk, we give an overview of the MC tools available for simulating neutrino mass models at collider experiments.

Time Zone

Europe/Africa/Middle East

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