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Phenomenology of a flavoured NTHDM BGL-like model with three massive neutrino generations

Friday, 8 July 2022 11:30 (15 minutes)

In this talk, I will present several possible anomaly-free implementations of the Branco-Grimus-Lavoura (BGL) model with two Higgs doublets and one singlet scalar. The model also includes three generations of massive neutrinos that get their mass via a type-I seesaw mechanism. A particular anomaly-free realization, which we dub νBGL-1 scenario, is subjected to a complete analysis, where valid regions in the parameter space are identified, taking into account existent electroweak precision, Higgs and flavour physics observables.

In-person participation

Yes

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