Phenomenology 2019 Symposium



Contribution ID: 753

Type: parallel talk

Vacuum Stability in Left-Right Symmetric Model

Tuesday 7 May 2019 14:15 (15 minutes)

Left-Right Symmetric Model (LRSM) is a high-energy extension of the Standard Model (SM), and provides an attractive framework to explain neutrino masses through see-saw mechanism. The scalar potential of the LRSM is much more complicated than the SM due to presence of a SU(2) bi-doublet and left \& righthanded weak isospin triplets in the model. We derive the analytic conditions for vacuum stability in the LRSM by requiring the tree-level potential to be bounded from below. We then discuss some phenomenological consequences.

Summary

Author: CHAUHAN, Garv (Washington University in St. Louis)Presenter: CHAUHAN, Garv (Washington University in St. Louis)Session Classification: Neutrinos II