

The scalar potential of the 331 model: theoretical constraints

Wednesday, 29 July 2020 18:50 (30 minutes)

We discuss the main features of the scalar sector of a class of BSM models with enlarged gauge symmetry, the so called 331 Models. The theoretical constraints on the scalar potential such as unitarity, perturbativity and boundedness-from-below, are presented, together with the analytical exact digitalization of the scalar sector. The phenomenology of exotic scenarios predicted by the 331 Models can be tested in light of these theoretical constraints.

Secondary track (number)

Primary author: COSTANTINI, Antonio (INFN Bologna)

Presenter: COSTANTINI, Antonio (INFN Bologna)

Session Classification: Formal Theory

Track Classification: 10. Formal Theory