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Alberto Mariotti: UV symmetries for neutral naturalness

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Summary

I will introduce the symmetry principle at the base of the concept of neutral naturalness. I will review the basic realization of such mechanism in the Standard Model, that is the Twin Higgs, showing the details of the protection of the Higgs mass.

I will then discuss how to provide a UV completion of such model and its possible generalizations, where the symmetry protecting the Higgs mass can emerge from a larger symmetry group.

Session Classification: ::