



Contribution ID: 10

Type: **not specified**

# Alberto Mariotti: UV symmetries for neutral naturalness

*Tuesday, 14 July 2015 11:30 (30 minutes)*

## 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:** ::