



Contribution ID: 174

Type: **not specified**

## Domain Walls in Models with Extended Higgs Sector

*Wednesday 28 September 2022 14:15 (15 minutes)*

Extended Higgs models such as the 2HDM and the N2HDM can induce topological defects after spontaneous symmetry breaking. In this talk, I will discuss the formation of domain walls arising after the breaking of the discrete symmetries present in the aforementioned models. I will, in particular, discuss the property of localized CP violation inside the domain walls due to a difference in phase between the Higgs doublets.

### Summary

**Primary author:** SASSI, Mohamed Younes (UNI/TH (Uni Hamburg, Institut fuer Theoretische Physik))

**Presenter:** SASSI, Mohamed Younes (UNI/TH (Uni Hamburg, Institut fuer Theoretische Physik))

**Session Classification:** Parallel Session Wednesday Cosmo

**Track Classification:** Cosmology & Astroparticle Physics