

# Dark Matter searches in models with extended Higgs sector at lepton colliders

*Thursday 18 July 2024 20:40 (20 minutes)*

Dark matter candidates in different models with an extended Higgs sector as the THDM, NTHDM, THDMS are discussed and compared. The phenomenology of prospects of the models at different lepton colliders, electron-positron colliders as well as a muon collider are analyzed and the relevance of the different colliders features w/wo polarized beams etc. discussed. LHC prospects, experimental, flavour as well as cosmological constraints are included.

## Alternate track

### I read the instructions above

Yes

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**Session Classification:** Poster Session 1

**Track Classification:** 09. Dark Matter Detection