

Status and Perspectives in SUSY HIGGS Searches

Tuesday, June 11, 2019 2:00 PM (40 minutes)

I will present the status and prospects of SUSY/BSM Higgs search at LHC. The summary will be given for Run I and Run II searches for additional Higgs bosons in ATLAS and CMS collaboration as well as for the searches for the non-Standard Model decays of discovered Higgs boson with mass 125 GeV. Searches for additional Higgs bosons will cover the searches for Higgs bosons with masses both smaller and larger than 125 GeV. The interpretation of the searches will be given in the context of the most presently, popular models as MSSM, NMSSM and 2HDM. The prospects and the guidelines will be given for BSM Higgs boson search program at HL-LHC.

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