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## Search for MSSM Higgs with the CMS detector at LHC

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In the minimal super-symmetric extension of the Standard Model (MSSM), the Higgs sector contains two Higgs boson doublets, including, after electroweak symmetry breaking, the CP-odd neutral scalar A0, the two charged scalars H±, and the two CP-even neutral scalars h and H0.

The results in the search for neutral and charged Higgs bosons with the CMS detector at LHC are presented, based on the data samples collected at  $\sqrt{s}$  = 7 and 8 TeV.

The neutral Higgs boson is searched in both the  $\mu+\mu$ - and  $\tau+\tau$ - final states, whereas the charged Higgs state is searched in top quark decays with at least one  $\tau$  in the final state.

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