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# Search for Higgs bosons beyond the standard model in b-jet final states at CMS

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After a Higgs boson with a mass near 125 GeV has been discovered, it is still unclear whether this is the Higgs boson predicted by the standard model (SM) or part of an extended Higgs sector, which is expected in various well-motivated beyond-the-SM models such as the minimal and next-to-minimal supersymmetric extensions (MSSM and NMSSM) of the SM. Direct searches for additional Higgs bosons are a promising way to answer this question. Recent results of searches for additional Higgs bosons with the CMS detector are presented, which are based on pp collision data collected at centre-of-mass energies of 7 and 8 TeV corresponding to integrated luminosities of 5/fb and 20/fb.

**Author:** MITTAG (NÉ HELFWIG), Gregor (Deutsches Elektronen-Synchrotron (DE))

**Presenter:** MITTAG (NÉ HELFWIG), Gregor (Deutsches Elektronen-Synchrotron (DE))

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