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Search for the Higgs boson in the bb decay channel using the CMS detector

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A search for the Higgs boson has been carried out in the Higgs to bb channel with the CMS detector at the LHC collider. The production modes used are the associated VH production, the VBF production and the production in association with top quarks. The analyses 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, respectively. The strategy and results of the searches are reported.

Summary

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