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ttH(bb) in the all-hadronic final state with CMS

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We present a search for the standard model Higgs boson decaying into b quarks and produced in association with a pair of top quarks decaying in the all-jet final state. This search is performed on the full 13-TeV dataset of proton-proton collisions collected by the CMS experiment at the LHC in 2016. To separate the ttH signal from the irreducible tt + bb background, this analysis takes advantage of a matrix element method. A data-driven method has been used to estimate the large multijet background.

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