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## **Inclusive search for boosted SM Higgs bosons using H to bb decays with the CMS detector at 13 TeV**

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We present an inclusive search for the standard model Higgs boson produced with high transverse momentum decaying to a bottom-antibottom quark pair using a data set of pp collisions at 13 TeV collected with the CMS experiment at the LHC in 2016. The data sample corresponds to an integrated luminosity of 35.9 inverse femtobarns. High-transverse-momentum Higgs bosons are reconstructed in a single jet with opening angle corresponding to  $R = 0.8$ . Jet substructure and dedicated b-tagging techniques are used to identify boosted H to bb.

**Primary author:** DUARTE, Javier (Fermilab)

**Presenter:** DUARTE, Javier (Fermilab)

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