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## **Search for SM Higgs decaying to $bb$ in associated production with Z boson decaying in the invisible channel**

A search for the standard model Higgs boson decaying into two b-jets using associated production of the Higgs with Z boson decaying into invisible channel is presented. The CMS data sample of 4.7 fb<sup>-1</sup> of pp collisions at the energy of 7 TeV and 19.5 fb<sup>-1</sup> at the energy of 8 TeV have been analyzed. The techniques used in order to discriminate signal from background are explained.

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