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## Search for ZH->llbb production in ppbar collisions at D0

We present a search for a standard model (SM) Higgs boson produced in association with a Z boson in 9.7 fb–1 of ppbar collisions, collected with the D0 detector at the Fermilab Tevatron at sqrt(s)=1.96 TeV. Selected events contain one reconstructed Z->ee or Z->mumu candidate and at least two jets, including at least one b-tagged jet. The data are consistent with the background expected from other SM processes. Upper limits at 95% C.L. on the ZH production cross section times branching ratio are set for Higgs boson masses 100 < MH < 150 GeV. The observed (expected) limit for MH = 115 GeV is a factor of 3.7 (4.2) larger than the SM prediction.

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