

Abstract Submitted  
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**Search for Associated Production of Z and Higgs Bosons in  $\ell^+\ell^-b\bar{b}$   
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TION — Studies are presented of the search for a light Standard Model Higgs boson  
produced in association with a Z boson in the  $Z \rightarrow \ell^+\ell^-$  ( $\ell =$  electron or muon)  
and  $H \rightarrow b\bar{b}$  decay channel using  $0.9 \text{ fb}^{-1}$  of integrated luminosity of Run II data  
collected by the D0 detector at the Fermilab  $p\bar{p}$  collider at  $\sqrt{s} = 1.96 \text{ TeV}$ .

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