

Abstract Submitted
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Search for Higgs Bosons in $WW^{(*)} \rightarrow l^+l'^-$ Decays BJOERN PENNING, University of Freiburg, D0 COLLABORATION — The process $H \rightarrow WW^{(*)} \rightarrow l^+l'^-$ ($l, l' = e, \mu$) is studied in $p\bar{p}$ collisions at the center of mass energy $\sqrt{s} = 1.96$ TeV with the D0 detector at Fermilab. A Higgs particle with a mass greater than 140 GeV primarily decays into a pair of W-bosons and the semi-leptonic decay channels of the W provide a clear signature. The analysed data correspond to 2 fb^{-1} of integrated luminosity.

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