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Search for the Higgs Boson in $WW^{(*)} \to \ell\nu\ell\nu-$ Decays in $p\bar{p}$ Collisions at $\sqrt{s}$=1.96 TeV BJOERN PENNING, Physikalisches Institut, Universitaet Freiburg, D0 COLLABORATION — We present a search for the standard model Higgs boson produced via the $H \to WW^{(*)} \to \ell\nu\ell\nu$ process at a center-of-mass energy of $\sqrt{s}$ =1.96 TeV with the D0 detector at the Fermilab Tevatron collider. A Higgs particle with a mass greater than 140 GeV primarily decays into a pair of W-bosons and the leptonic decay channels of the W provide a clear signature. This channel is one of the most sensitive to the Higgs at the Tevatron. As well as the inclusion of the full data set, up to 4 fb^{-1}, recent improvements to the sensitivity will be discussed.

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