

Abstract Submitted
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Search for WH Production at $\sqrt{s} = 1.96$ Te V with 2.7 fb^{-1} of Data QICHUN XU, University of Michigan, D0 COLLABORATION — A search for WH production in $p\bar{p}$ collisions at a center of mass energy of $\sqrt{s} = 1.96$ TeV is presented. The data correspond to an integrated luminosity of 2.7 fb^{-1} as accumulated by the D0 experiment. Events containing one lepton, missing transverse energy and one or two b-tagged jets are analysed using advanced analysis techniques (neural network and matrix element discriminants) to enhance the potential W H signal over the standard model background. Recent improvements to the sensitivity will be discussed.

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