

Abstract Submitted
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Search for WW and WZ production in charged lepton-neutrino plus dijet final state at CDF ANNA SFYRLA, University of Geneva, CDF COLLABORATION — We present a search for WW and WZ production in charged lepton-neutrino plus dijet final states produced in $p\bar{p}$ collisions with $\sqrt{s} = 1.96$ TeV at the Fermilab Tevatron, using approximately 1.1 fb^{-1} of data accumulated with the CDF II detector. This channel is yet to be observed in hadron colliders due to the large single W plus jets background. However, this decay mode has a much larger branching fraction than the cleaner fully leptonic mode making it more sensitive to anomalous triple gauge couplings which typically manifest themselves at higher transverse W momenta. Because the final state is topologically similar to associated production of a Higgs boson with a W boson, the techniques developed in this analysis are also applicable in that search.

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