

Abstract Submitted
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Search for diboson production in final states containing missing transverse energy and b -quark jets STEPHEN POPROCKI, Cornell University, CDF COLLABORATION — Diboson production in hadronic final states has been recently observed at the Tevatron in several channels. The dominant contribution to this process is WW production with lower cross section contributions from WZ and ZZ . Imposing the additional requirement that the observed hadronic jets are consistent with having originating from b -quark decays drastically reduces the contribution from WW and enhances WZ/ZZ contributions. Here we present a search for WZ/ZZ in events with missing transverse energy and b -quark jets at CDF. The final state being measured is very similar to that obtained from associated Higgs production where the Higgs decays to two b -quarks and evidence for it is an important step towards a potential Higgs discovery.

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