

Abstract Submitted
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Search for WZ and ZZ Production in the Dilepton Plus Dijet Final State at the Tevatron JONATHON EFRON, Ohio State University, BEATE HEINEMANN, University of Liverpool, RICHARD HUGHES, BEN KILMINSTER, Ohio State University, ANDY MEHTA, University of Liverpool, BRIAN WINER, Ohio State University, CDF COLLABORATION — We present a search for diboson production using $\approx 700 \text{ pb}^{-1}$ of CDF II dilepton plus dijet data. This final state is sensitive to both $ZZ \rightarrow \ell\ell q\bar{q}$ and $ZW \rightarrow \ell\ell q\bar{q}'$ production. The signal can be discriminated from the main background of Z bosons produced in association with jets using the dijet mass distribution. Observation of diboson production in this final state is an important step in the search for Higgs boson production in association with a Z boson.

Eric James
Fermi National Accelerator Lab

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