

Abstract Submitted  
for the APR07 Meeting of  
The American Physical Society

**Search for anomalous  $ZZZ$  couplings in the dilepton+dijet final state at CDF** MATTHEW NORMAN, SHIH-CHIEH HSU, ELLIOT LIPELES, MARK NEUBAUER, RAMI VANGURI, FRANK WURTHWEIN, University of California at San Diego, CDF COLLABORATION — Using the di-lepton di-jet final state, we study  $ZZZ$  anomalous triple neutral gauge couplings (aTGC) produced in  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96$  TeV at the Fermilab Tevatron collected with the CDF II detector. Specifically, we reconstruct two  $Z$ s, one decaying to two leptons and one decaying to two jets, and constrain aTGC based on the observed yield in  $Z \rightarrow \ell\ell$  at high transverse momentum.

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Date submitted: 08 Feb 2007

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