

Abstract Submitted  
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**CP-odd violating anomalous top-quark couplings at D0 SEEWOOK LEE**, Iowa State University, D0 COLLABORATION — We conduct the first study of the T-odd correlations in  $t\bar{t}$  events produced in  $p\bar{p}$  collision at the Fermilab Tevatron collider that can be used to search for CP violation. We select events which have lepton+jets final states to identify  $t\bar{t}$  events and measure asymmetries of several physics observables. Based on the results, we examine possible top quark anomalous couplings at the production vertex and estimate limits on the chromo-electric dipole moment of the top quark.

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