

Abstract Submitted  
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**Search for Single Top Quark Production in the Electron+Jets Channel at DØ** PHILIP PEREA, University of California, Riverside, DZERO COLLABORATION — Protons and antiprotons are collided in Run II of the Fermilab Tevatron at a center of mass energy of 1.96 TeV. We present results of a search for single top quark production in these collisions using a dataset of approximately  $230 \text{ pb}^{-1}$  collected with the DØ detector. This analysis considers the electron+jets final state and makes use of secondary-vertex tagging to identify jets originating from  $b$  quarks as well as neural networks to further separate the expected signals from backgrounds.

Sharon Hagopian  
Florida State University

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