

Abstract Submitted
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Search for Electroweak Production of the Top Quark in the Muon+Jets Channel at DØ DAEKWANG KAU, Florida State University, 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 pb^{-1} collected with the DØ detector. This analysis considers the muon+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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