

Abstract Submitted
for the APR10 Meeting of
The American Physical Society

Measurement of the t-channel Single Top Quark Cross Section at D0 NATHAN TRIPLET, Iowa State University — Single top quark production occurs via three different production modes with the relative contributions being sensitive to physics beyond the standard model. We present a measurement of the t channel cross section based on 5.4/fb of data at the D0 experiment at the Fermilab Tevatron proton-antiproton collider. The signal is separated from the background by use of a multivariate discriminant.

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Date submitted: 20 Oct 2009

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