

Abstract Submitted
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Measurement of t-channel Single Top Quark Production at the D0 Experiment ANN HEINSON, University of California, Riverside — We present the results of a measurement of t-channel production of single top quarks at the D0 experiment using 2.3/fb of data from Fermilab's proton-antiproton Tevatron collider. For this measurement, no assumption was made about the rate of s-channel single top quark production. The resulting cross sections are compared to standard model predictions and to several models with new physics that might also produce single top quark events.

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