

Abstract Submitted
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Searches for Single Top Production at CDF¹ JASON SLAUN-WHITE, The Ohio State Univ., CDF COLLABORATION — We present recent results from searches for single-top-quark production at CDF in p-pbar collisions at 1.96 TeV. Individual top quarks are expected to be produced in association with bottom quarks mainly through the exchange of an off-mass-shell W boson (*s*-channel), or the W- gluon fusion process (*t*-channel). We select events with one charged lepton, high missing transverse energy and at least 2 jets, one of which is identified as a b-quark using the CDF Silicon detector. It is a challenge to distinguish the single top signal from significant backgrounds from W+jets processes with heavy flavour, eg Wbb, Wcc, Wc. We perform a combined search for the *s*- and *t*- channels, along with individual searches for each channel.

¹For the CDF Collaboration

Robin Erbacher
UC Davis

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