

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Search for single top quark production optimized for s-channel production at CDF KOJI NAKAMURA, University of Tsukuba, CDF COLLABORATION — We present a search for single top quark production using 1.7 fb^{-1} of data accumulated with the CDF II detector at the Fermilab Tevatron. We select events with one high- p_T lepton, large missing transverse energy and two jets with b tags. One jet must have a b tag using secondary-vertex information and the other jet's b tag may use secondary-vertex or impact-parameter information. The kinematic fitter and the background-separation technique are designed to maximize the sensitivity to s-channel single top production.

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Date submitted: 10 Jan 2008

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