

Abstract Submitted  
for the APR11 Meeting of  
The American Physical Society

**Measurement of single top quark production cross section at CDF**  
ZHENBIN WU, Baylor, CDF COLLABORATION — We report a measurement of the single top quark production cross section based on 6.4/fb of data collected by the CDF experiment at the Fermilab Tevatron. The signal is separated from the background using a Bayesian Neural Network. The CKM matrix element value  $|V_{tb}|$  will be extracted from this measurement.

Eric James  
FNAL

Date submitted: 14 Jan 2011

Electronic form version 1.4