

Abstract Submitted
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Measurement of the $W \rightarrow e\nu + \geq n - jet$ Cross Section at the Tevatron BEN COOPER, University College London, CDF COLLABORATION — Understanding direct $W + jets$ production is crucial to making accurate background predictions to both top quark production and many of the Higgs production channels. We present a measurement of the $W \rightarrow e\nu + \geq n - jet$ cross section at $\sqrt{s} = 1.96$ TeV using 320 pb^{-1} of CDF Run II data. Distributions of various kinematic variables are compared with two different Monte Carlo matrix element plus parton shower (ME-PS) predictions: Enhanced Leading Order ALPGEN+HERWIG samples, and ‘ME-PS matched’ CKKW MADGRAPH+PYTHIA samples.

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