

Abstract Submitted
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Measurement of the $p\bar{p} \rightarrow W$ Cross Section using Forward Electrons JOSE ENRIQUE GARCIA, GIORGIO CHIARELLI, MARTIN CILJAK, IVAN FEDORKO, SANDRA LEONE, ANTONIO SIDOTI, ATHANASIOS STAVERIS, University of Pisa, CDF COLLABORATION — We present an updated measurement of the W boson production cross section using electrons identified in the rapidity region $1.2 < |\eta| < 2.8$ in 223 pb^{-1} of CDF II data collected from 2002 to 2004. $W \rightarrow e\nu$ events are selected using the combined information from the forward calorimeter and silicon tracking detectors. The result agrees with NLO theoretical predictions and with previous measurements using reconstructed central leptons ($|\eta| < 1$).

Eric James
Fermi National Accelerator Lab

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