

Abstract Submitted  
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***W* Boson Mass Measurement with D0 Data** MICHELLE BROCHMANN<sup>1</sup>, University of Washington, DZERO COLLABORATION — We present a measurement of the *W* boson mass using D0 Run II data collected from proton and anti-proton collisions produced by the Tevatron at 1.96 TeV center of mass energy. We select  $W \rightarrow e\nu$  events and use a template method to extract the *W* boson mass from the distributions of the electron transverse momentum, missing transverse energy as a proxy for the transverse momentum of the neutrino, and the transverse mass of the  $e\nu$  system. A sample of *Z* boson events is used for calibration and the analysis is blinded. Analysis methodology and status will be discussed.

<sup>1</sup>Presenting on behalf of the D0 Collaboration

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