

Abstract Submitted  
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***W* boson mass measurement with D0 data** JENNY HOLZBAUER,  
University of Mississippi, D0 COLLABORATION — We present current progress  
of the measurement of the *W* boson mass using the full D0 data set. The data were  
collected from proton and anti-proton collisions produced by the Tevatron at 1.96  
TeV center of mass energy. The analysis uses only events with an electron identified  
in the final state. This sensitive mass measurement is performed using a template  
method and accurate Monte Carlo modeling is critical. A sample of *Z* boson events  
is used for calibration and the analysis is blinded. Analysis methodology and status  
will be discussed.

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