

Abstract Submitted
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Measurement of $d\sigma/dy$ for Z/γ^* decaying to e^+e^- using the DØ detector MING YAN, University of Maryland, DZERO COLLABORATION — We present a preliminary result of the first Run II measurement of Z/γ^* decaying to e^+e^- inclusive differential cross section as a function of boson rapidity. The data, which correspond to an integrated luminosity of 0.3 fb^{-1} , were collected with the DØ detector at the Tevatron $p\bar{p}$ collider. At the Run II energy of $\sqrt{s}= 1.96 \text{ TeV}$, Z bosons are produced with rapidities out to ± 3 . The cross section is measured in a mass range between 71 to 111 GeV for the allowed kinematic range.

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