

Recent measurements of electroweak boson properties at D0

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We present a measurement of the shape of the transverse momentum distribution for W boson in the $W \rightarrow e\nu$ decay channel using 4.3 fb^{-1} of $p\bar{p}$ data at $\sqrt{s} = 1.96 \text{ TeV}$. The results are compared to QCD predictions both at reconstructed and particle level. We also present a measurement of the shape of the Z boson rapidity using $Z/\gamma^* \rightarrow \mu^+\mu^-$ events produced in 8.6 fb^{-1} of $p\bar{p}$ data. This measurement is compared to NNLO QCD predictions using different sets of parton density functions.

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Secondary track (number)

Authors: TUCHMING, Boris (Université Paris-Saclay (FR)); HIROSKY, Bob (University of Virginia (US)); D0, Collaboration

Presenter: WANG, Chen (University of Science and Technology of China (CN))

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