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## Measurement of the W boson mass with the D0 detector

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We present a measurement of the W boson mass using D0 Run II data. We select  $e + \nu$  events consistent with a W decay and extract the W boson mass from the distributions of the electron transverse momentum, the neutrino transverse momentum, and the system transverse mass.

### Summary

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**Session Classification** : Top-quark and ElectroWeak Physics

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