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A New Method to Measure the Ratio of W and Z Cross Sections KATHERINE COPIC, University of Michigan, VICTORIA MARTIN, University of Edinburgh, MICHAEL SCHMITT, Northwestern University, CDF COLLAB-ORATION — We present a new method for measuring the ratio, R, of the cross sections for W and Z production in $p\bar{p}$ collisions at the Fermilab Tevatron. A combined sample of W and Z boson candidates is selected by requiring at least one charged lepton and low net hadronic activity. The p_T spectrum of the leptons is used to infer the relative rate of W and Z production. We obtain a preliminary measurement of R using data collected with the CDF II detector corresponding to an integrated luminosity of approximately 350 pb⁻¹ and extract an indirect value for the width of the W boson.

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