Abstract Submitted for the APR05 Meeting of The American Physical Society

A New Method to Measure the Ratio of W and Z Cross Sections KATHERINE COPIC, University of Michigan, VICTORIA MARTIN, Northwestern University, MICHAEL SCHMITT, Northwestern University, CDF COLLABORATION — We present a new method for the measurement of the ratio, R, of cross sections for W and Z production in $p\bar{p}$ collisions at the Fermilab Tevatron. The leptonic signals from W and Z decays are treated in a strictly parallel fashion, and the p_T spectrum of the lepton is used to infer their relative rates. A preliminary measurement has been obtained from data collected with the CDF II detector corresponding to approximately 350 pb⁻¹. Using this value for R we extract a value for the width of the W boson.

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Date submitted: 30 Mar 2005 Electronic form version 1.4