

Abstract Submitted  
for the APR06 Meeting of  
The American Physical Society

**Study of Inclusive WZ Events in Trilepton Final States at Dzero**

JAMES DEGENHARDT, University of Michigan, DZERO COLLABORATION —  
Presented is a study of the WZ di-boson events using data with integrated luminosity of about 1/fb collected by Dzero at the Fermilab Tevatron with a center-of-mass energy of 1.96 TeV. The signal from process of WZ to tri-leptons and associated background are studied in detail, which has resulted the first measurement of the WZ production cross-section in a hadron collider experiment. The most restrictive anomalous coupling limits using WZ production from a hadron collider are also set.

Ia Iashvili  
SUNY/Buffalo

Date submitted: 11 Jan 2006

Electronic form version 1.4