

Abstract Submitted
for the APR12 Meeting of
The American Physical Society

Measurement of the ZZ diboson cross section using the leptonic decay mode with the ATLAS detector HAYES MERRITT, Ohio State University, ATLAS COLLABORATION — A measurement of the $Z^0 Z^0$ diboson cross section is presented using a data sample corresponding to up to $5fb^{-1}$ of integrated luminosity collected at $\sqrt{s} = 7$ TeV by the ATLAS detector at the LHC in 2011. In this dataset two Z bosons decaying leptonically to electrons and/or muons are observed. Results on the triple gauge couplings will also be presented.

Hayes Merritt
Ohio State University

Date submitted: 05 Jan 2012

Electronic form version 1.4