

Abstract Submitted
for the APR13 Meeting of
The American Physical Society

Measurement of the $t\bar{t}$ cross section in the τ plus jets final state using the ATLAS detector WILLIAM EDSON, TEEBA RASHID, SUNY at Albany, ANIRVAN SIRCAR, Louisiana Tech University, ATLAS COLLABORATION — We present a measurement of the top quark pair ($t\bar{t}$) production cross section in the τ plus jets final state at a center-of-mass energy 7 TeV. The analysis is based on proton-proton collisions collected with the ATLAS detector at the CERN LHC. A multivariate analysis technique is used to identify the τ lepton. Our results are in good agreement with standard model predictions and other top pair cross section measurements.

William Edson
SUNY at Albany

Date submitted: 10 Jan 2013

Electronic form version 1.4