

Abstract Submitted
for the APR13 Meeting of
The American Physical Society

Luminosity Determination in 7 TeV pp Collisions with the ATLAS Detector DAVID YU, University of California, Berkeley, ATLAS COLLABORATION — The determination of the total integrated luminosity delivered by the LHC to the ATLAS detector is an important measurement that plays a role in many analyses. The measurement methods, calibration procedure, and long-term performance are discussed for the 5.6 fb^{-1} of pp collisions at 7 TeV in 2011. Emphasis is placed on the understanding of systematic uncertainties due to the calibration procedure and to operating conditions in 2011.

David Yu
University of California, Berkeley

Date submitted: 04 Jan 2013

Electronic form version 1.4