

Abstract Submitted  
for the APR12 Meeting of  
The American Physical Society

$B_c^\pm$  meson observation at ATLAS RUI WANG, KONSTANTIN TOMS,  
SALLY SEIDEL, University of New Mexico, ATLAS COLLABORATION — We  
observed  $B_c^\pm$  mesons with the ATLAS detector at the LHC through the hadronic  
decay of  $B_c^\pm \rightarrow J/\psi(\mu^+\mu^-)\pi^\pm$ , with  $4.3 \text{ fb}^{-1}$  2011 data from 7 TeV pp collisions.  
The resulting  $B_c^\pm$  mass distribution is fitted with an unbinned maximum likelihood  
fit. The mass value is consistent with the world average value.

Rui Wang  
University of New Mexico

Date submitted: 09 Jan 2012

Electronic form version 1.4