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

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