

Spectroscopy and decay properties with b-hadrons at the ATLAS experiment

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We present the latest results from the ATLAS experiment on hadron decays and spectroscopy, including observation of the $B_c(2S)$ state, production of the B_c^+ meson, branching ratio measurements of $B_c \rightarrow J/\psi D^{(*)}$, extraction of fragmentation fractions f_s/f_d via reconstructed $B_s \rightarrow J/\psi \Phi$ and $B_d \rightarrow J/\psi K$ decays, and studies of the decay properties of the Λ_b . We also present the results of searches for the X_b , the bottomonium counterpart to the $X(3872)$ exotic charmonium state.

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