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An observation of Cabibbo-suppressed decays $\Lambda_b^0 \to \Lambda_c^+ K^-$ at CDF ROBER BAUER, Johns Hopkins , CDF COLLABORATION — Using ~ 360 pb^{-1} of Run II data collected by the CDF detector, we reconstruct the Cabibbo-suppressed decay $\Lambda_b^0 \to \Lambda_c^+ K^-$, followed by $\Lambda_c^+ \to p^+ K^- \pi^+$. The main background to this decay is the Cabibbo-allowed decay $\Lambda_b^0 \to \Lambda_c^+ \pi^-$, and the yields for both are obtained simultaneously from the same data sample.

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