

Abstract Submitted
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Study of the form factor in semileptonic Λ_b decays ABAZ KRYE-MADHI, University of Virginia, DZERO COLLABORATION — We measure the Λ_b baryon form factor using the exclusive decay $\Lambda_b^0 \rightarrow \Lambda_c^+ \mu^- \bar{\nu}$ followed by $\Lambda_c^+ \rightarrow p^+ K_S^0$ and $K_S^0 \rightarrow \pi^+ \pi^-$. The data sample corresponds to an integrated luminosity of approximately 1 fb^{-1} , recorded with the DØ detector in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$. We present a preliminary result on the Isgur-Wise slope.

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