

Abstract Submitted
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Measurement of the Λ_c Mass BRIAN PETERSEN, Stanford, BABAR COLLABORATION — We present a precision measurement of the mass of the Λ_c^+ baryon using data collected by the BaBar experiment. To keep the systematic uncertainty as low as possible, the measurement is done using the low Q-value decay, $\Lambda_c^+ \rightarrow \Lambda^0 K_S^0 K^+$. The measurement requires a thorough understanding of the tracking performance and energy loss corrections which is demonstrated using several control samples.

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