

Abstract Submitted
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Some Aspects of Semileptonic Decay of Baryons MUSLEMA PERVIN, SIMON CAPSTICK, Florida State University, WINSTON ROBERTS, Old Dominion University — We calculate baryon semileptonic decay form factors and rates in a quark model. Our calculations are carried out using two different bases for the baryon wave functions, the usual harmonic oscillator basis, along with the Sturmian basis. We also examine decays to excited states, and find that the branching ratio for the decays of the Λ_c to excited Λ is not insignificant.

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