

Abstract Submitted
for the HAW09 Meeting of
The American Physical Society

Baryon resonance electromagnetic transition form factors in a light-cone model¹ SIMON CAPSTICK, Florida State University, BRADLEY KEISTER, National Science Foundation — Calculations using a constituent quark model of the electromagnetic form factors for transitions between nucleons and excited states of the nucleon with $J=1/2$ and $3/2$, including the Roper resonance, are described. These form factors are calculated with a relativistic model based on light-cone dynamics, fit to the proton and neutron elastic form factors, and using wave functions determined from the solution of a realistic three-quark Hamiltonian.

¹This work is supported in part by the US Department of Energy under contract DE-FG05-92ER40750.

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Date submitted: 01 Jul 2009

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