

Abstract Submitted
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Impulse Approximation limitations to the $(e, e'p)$ reaction on ^{208}Pb and ^{12}C : extracting spectroscopic factors as a function of Q^2
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JUAN CARLOS CORNEJO, California State University, Los Angeles, JEFFERSON HALL A COLLABORATION — Experiment E06007 at Jefferson Lab measured cross sections for the $(e, e'p)$ reaction at constant (\mathbf{q}, ω) for $Q^2 = 0.81 \text{ GeV}^2$ over a wide range of missing momenta. At missing momentum $p_m = 0 \text{ MeV}/c$ cross sections were also measured at $Q^2 = 1.4 \text{ GeV}^2$ and 1.97 GeV^2 in order to investigate a possible dependence of the spectroscopic factor on Q^2 suggested by previous measurements. Comparison of the experimental results to theoretical predictions will be presented.

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