

Abstract Submitted
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Impulse Approximation limitations to the $(e, e'p)$ reaction on ^{209}Bi : cross sections at quasielastic kinematics JUAN CARLOS CORNEJO, Cal. State Univ. , Los Angeles, JOAQUIN LOPEZ HERRAIZ, U. Comp. de Madrid, JEFFERSON LAB 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 range of missing momenta from 100 to 300 MeV/c on both sides of the three momentum transfer $\mathbf{q}=1.0 \text{ GeV}/c$. This is the first measurement of the $^{209}\text{Bi}(e, e'p)^{208}\text{Pb}$ reaction reported at quasielastic kinematics. Cross sections for the knockout of the $1h9/2$ proton to the ground state of ^{208}Pb will be presented and compared to theoretical predictions.

Konrad Aniol
Cal. State Univ., Los Angeles

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