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Baryon Resonance Form Factors at High Momentum Transfer.[1]
PAUL STOLER, Rensselaer Polytechnic Institute — Baryon resonance form factors can provide valuable information about the QCD structure of nucleons, especially when combined with information from other exclusive reactions such as high momentum transfer elastic scattering, real and virtual Compton scattering and meson electroproduction. Recently, several experiments at Jefferson Lab have measured form factors for the $\Delta(1232)$ and $S_{11}(1535)$ resonances for maximum Q^2 of greater than 7 $\mathrm{GeV}^2/\mathrm{c}^2$. The latest results of these experiments will be presented and the connections with other exclusive reactions such as elastic scattering form factors in terms of common nucleon structure within the framework of generalized parton distributions will be shown.

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