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Dynamical diquarks and baryon transition form factors

Based upon a continuum Schwinger approach, which employs a Poncaré-covariant Faddeev equation to describe baryons as composite states, we shall present recent calculations of electromagnetic transitions involving baryon ground states and their corresponding parity partners, namely \gammaˆ{(*)}p->N(1535) and \Delta(1232)-> \Delta(1700) transition form factors. The role and impact of dynamical diquark correlations that appear within the baryon bound state, owing largely to the mechanisms responsible for the emergence of hadron mass, will be discussed in detail. Although limited to a contact interaction model, the results herein shown serve as benchmarks for future more sophisticated calculations.

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