

Discussion: Modeling N^* production at high Q^2

- Implementing QCD constraints in $\gamma^* N \rightarrow \pi N, \pi\pi N$ at $Q^2 \gg 1 \text{ GeV}^2$

Scaling laws for $Q^2 \rightarrow \infty$, fixed low W

Separating small and large distances: Factorization, distribution amplitudes

Beyond pQCD: Light-cone sum rules, phenomenological models

- Identifying resonances at high Q^2

Basic questions same as at low Q^2 , but answers may be different. . .

Dispersion relations for high- Q^2 amplitudes: “Born terms?” High-energy-behavior?

Theoretical constraints: Soft-pion theorems, quasi-elastic channels with $\delta_{\pi N}(W)$

Dynamical models of meson-baryon dressing?

Nonresonant vs. resonant contributions at high Q^2 ?

- Modeling N^* structure at high Q^2

Chiral symmetry-breaking scale or “size” of constituent quark:
What role does it play in N^* structure?