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Accessing GPDs through the exclusive photoproduction of a gamma-meson pair

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We consider the exclusive photo-production of a gamma-meson pair, working in the QCD factorisation framework. Explicitly, we consider a rho meson and a charged pion in the final state. This process has a significant advantage over meson production, since it allows us to probe chiral-odd GPDs, which are not well-known experimentally. The computation is performed at leading order and leading twist, and we intend to extend this to $\mathcal{O}(\alpha_s)$ soon. We discuss the prospects of measuring them in experiments, and in particular focus JLab and LHC (in UPC) kinematics.

Submitted on behalf of a Collaboration?

No

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