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## **QCD mechanisms of (semi)exclusive Drell-Yan processes**

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The (semi) exclusive pion-nucleon Drell-Yan processes with different non-perturbative QCD ingredients are considered. The classical one involves proton Generalized parton distribution (GPD) and pion distribution amplitude, while another one involves proton and pion GPDs. For the first mechanism collinear factorization holds while for the second one the analytic continuation may be applied. The possible cancellations between different cuts are discussed. The contributions of both mechanisms (and interference in the case of transitional GPD for the first mechanism) are calculated at Born level. The generalization to gluon GPDs case and central exclusive Higgs production is discussed,

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