

Exclusive photoproduction of quarkonia pairs as a probe of gluon GPDs.

Tuesday 10 January 2023 17:00 (20 minutes)

In this talk we analyze exclusive photoproduction of heavy quarkonia pairs in the kinematics of moderate values of Bjorken variable x_B . We discuss the relation of various observables to gluonic generalized parton distributions (GPDs) of the target. We demonstrate that the largest cross-section has exclusive production of Υ/Υ' pairs, which gets the dominant contribution from the unpolarized gluon GPDs H, \bar{H} . We provide numerical estimates for the cross-section in the kinematics of the future Electron Ion Collider.

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