

Heavy vector meson production adopting GPD method

Exclusive heavy vector meson production is investigated in ep pp and pPb collisions employing GPD approach with GK model. Three sets gluon density are used to calculate exclusive heavy vector meson production. The survival factors and equivalent photon approximation are applied to predict the exclusive heavy vector mesons photoproduction in proton-proton collisions. The GPD method prediction gives a good agreement with the experimental data at LHCb.

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Session Classification: Parallel

Track Classification: Three-dimensional structure of the nucleon: generalized parton distributions and form factors