

Extraction of information on transversity GPDs from π^0 and η production on EIC of China

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The production of the π^0 and η mesons are studied adopting handbag approach with GPDs in electron-proton scattering in Electron-ions collider in China (EicC) energy ranges. GK model is used to study these reactions. The predictions indicate that transversity dominance $\sigma_T \gg \sigma_L$ observed at low energies is valid up to EicC energy range. The transversity GPDs can be extracted from the cross sections of π^0 and η process in electron-proton scattering.

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