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## Study of Twist-2 GTMDs in scalar-diquark model

We investigate the Generalized Transverse-Momentum Dependent Distributions (GTMDs) describing the parton structure of hadrons using the light-front scalar-diquark model. In particular, we study the twist-2 GTMDs for scalar ( $\gamma^+$ ) diquark and the corresponding Wigner distributions for the unpolarized, longitudinally unpolarized and transversely unpolarized proton. The relation of  $F_{14}$  GTMD with orbital angular momentum is also studied.

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