

$$A_P^+(x^-, \mathbf{x}_\perp) = -\frac{\rho_P^a(x^-, \mathbf{x}_\perp)t^a}{\Delta_\perp}, \text{ and } A_T^-(x^+, \mathbf{x}_\perp) = -\frac{\rho_T^a(x^+, \mathbf{x}_\perp)t^a}{\Delta_\perp}$$