

$$\sigma_{\gamma^*p}(W^2, Q^2) = \int dz \int d^2r_{\perp} |\psi|^2 (r_{\perp}^2 Q^2 z(1-z), Q^2 z(1-z), z) \cdot \sigma_{(q\bar{q})p}(r_{\perp}^2, z(1-z), W^2).$$