

$$\frac{\mathrm{d}N_{c\bar{c}}^\kappa(\boldsymbol{b}_\perp)}{\mathrm{d}^2\boldsymbol{P}_\perp\mathrm{d}Y} = \frac{\alpha_s}{(2\pi)^9(N_c^2-1)} \int_{\boldsymbol{k}_{1\perp},\boldsymbol{k}_\perp,\boldsymbol{k}'_\perp,\boldsymbol{R}_\perp} \frac{\mathcal{H}^\kappa(\boldsymbol{P}_\perp-\boldsymbol{k}_{1\perp},\boldsymbol{k}_\perp,\boldsymbol{k}'_\perp)\phi^p(x_p,\boldsymbol{k}_{1\perp},\boldsymbol{R}_\perp)}{k_{1\perp}^2}\tilde{\Xi}^\kappa(x_A;\boldsymbol{P}_\perp-\boldsymbol{k}_{1\perp},\boldsymbol{k}_\perp,\boldsymbol{k}'_\perp;\boldsymbol{R}_\perp-\boldsymbol{b}_\perp)$$