

$$\frac{\mathrm{d}N_{J/\psi}(b_{\perp})}{\mathrm{d}^2P_{\perp}\mathrm{d}Y} = \sum_{\kappa} \frac{\mathrm{d}N_{c\bar{c}}^{\kappa}(b_{\perp})}{\mathrm{d}^2P_{\perp}\mathrm{d}Y} \langle \mathcal{O}_{\kappa}^{J/\psi} \rangle$$