

$$\frac{\mathrm{d}N_{c\bar{c}}(\boldsymbol{b}_\perp)}{\mathrm{d}M^2\mathrm{d}^2P_\perp\mathrm{d}Y} = \int_0^{\sqrt{\frac{M^2}{4}-m_c^2}}\mathrm{d}\tilde{q}\int_0^{2\pi}\mathrm{d}\phi\mathcal{F}\frac{\mathrm{d}N_{c\bar{c}}(\boldsymbol{b}_\perp)}{\mathrm{d}^2\boldsymbol{p}_\perp\mathrm{d}^2\boldsymbol{q}_\perp\mathrm{d}y_p\mathrm{d}y_q}$$