

$$\frac{d\sigma}{dp_{\mathrm{T}}} = \int dz d\hat{p}_{\mathrm{T}} D(z) \frac{A}{\hat{p}_{\mathrm{T}}^n} \delta(p_{\mathrm{T}} - z\hat{p}_{\mathrm{T}}) = \frac{A}{p_{\mathrm{T}}^n} D_n$$