

$$\frac{dS_{x_0}^{(2)}(\vec{r}_T)}{d\ln(1/x)} = \frac{\alpha_s N_c}{2\pi^2} \int d^2r'_T \frac{\vec{r}_T^2}{\vec{r}_T'^2 (\vec{r}_T - \vec{r}_T')^2} \left[S_x^{(2)}(r'_T) S_x^{(2)}(|\vec{r}_T - \vec{r}_T'|) - S_x^{(2)}(r_T) \right]$$