

$$\langle \rho^a(\mathbf{b}_\perp) \rho^b(\mathbf{x}_\perp) \rangle = g^2 \mu^2(x, \mathbf{b}_\perp) \delta^{ab} \delta^{(2)}(\mathbf{b}_\perp - \mathbf{x}_\perp)$$