

$$\sigma_r = \left(\frac{d^2 \sigma}{dx dQ^2} \right) \frac{x Q^4}{2 \pi \alpha^2 [1 + (1 - y)^2]} = F_2(x, Q^2) - \frac{y^2}{1 + (1 - y)^2} F_L(x, Q^2)$$