

$$\frac{d\sigma(W, \beta)}{dW} = \frac{k_r}{\beta^2} \frac{(1 - \beta^2 W / W_{\max})}{W^2}$$

$$k_r = 2\pi r_e^2 m_e z^2 = 2.54955 \times 10^{-19} z^2 \cdot \text{eV} \cdot \text{cm}^2$$