$$
\begin{aligned}
\left(\frac{d^2\sigma}{d\Omega dE_p}\right)_{exp} &= \left(\frac{R\Delta}{E_s}\right)^{bt'_b}\left(\frac{\Delta}{E_p}\right)^{bt'_a}\left[1-\frac{\xi/\Delta}{1-b(t'_b+t'_a)}\right]\tilde{\sigma}(E_s,E_p) \\
&+ \int_{E_{Smin}}^{E_S-R\Delta}\tilde{\sigma}(E'_s,E_p)\left(\frac{E_s-E'_s}{E_pR}\right)^{bt'_a}\left(\frac{E_s-E'_s}{E_s}\right)^{bt'_b} \\
&\times\left[\frac{bt'_b}{E_s-E'_s}\phi\left(\frac{E_s-E'_s}{E_s}\right)+\frac{\xi}{2(E_s-E'_s)^2}\right]dE'_s \\
&+ \int_{E_P+\Delta}^{E_{Pmax}}\tilde{\sigma}(E_s,E'_p)\left(\frac{E'_p-E'_p}{E'_p}\right)^{bt'_a}\left(\frac{(E'_p-E_p)R}{E_s}\right)^{bt'_b} \\
&\times\left[\frac{bt'_a}{E'_p-E_p}\phi\left(\frac{E'_p-E_p}{E'_p}\right)+\frac{\xi}{2(E'_p-E_p)^2}\right]dE'_p \qquad (1)
\end{aligned}
$$

where:

$$\tilde{\sigma}(E_s,E_p)=\tilde{F}(q^2)\sigma_{born}(E_s,E_p) \qquad (2)$$

and

$$
\begin{aligned}
\tilde{F}(q^2) &= (1+0.5772\cdot bT)+\frac{2\alpha}{\pi}\left[\frac{-14}{9}+\frac{13}{12}\ln\frac{Q^2}{m^2}\right] \qquad (3) \\
&-\frac{\alpha}{2\pi}\ln^2\left(\frac{E_s}{E_p}\right)+\frac{\alpha}{\pi}\left[\frac{1}{6}\pi^2-\Phi(\cos^2\frac{\theta}{2})\right]
\end{aligned}
$$