Born equation

$$\frac{2s}{\pi\alpha^2} \quad \frac{d\sigma}{d\cos\theta} \left(e^+ e^- \rightarrow f\bar{f} \right) = \left| \frac{1}{1 - \Delta\alpha} \right|^2 (1 + \cos^2\theta)$$

$$\pi \alpha^2$$
 dcos θ ' | 1 - $\Delta \alpha$ | '

+ 4 Re
$$\left\{ \frac{2}{1-\Delta\alpha} \chi(s) \left[\hat{g}_{v}^{e} \hat{g}_{v}^{f} \left(1+\cos^{2}\theta\right) + 2 \hat{g}_{a}^{e} \hat{g}_{a}^{f} \cos\theta \right] \right\}$$

$$+ 16|\chi(s)|^{2} \left[(\hat{g}_{a}^{e^{2}} + \hat{g}_{v}^{e^{2}})(\hat{g}_{a}^{f^{2}} + \hat{g}_{v}^{f^{2}})(1 + \cos^{2}\theta) + 8 \quad \hat{g}_{a}^{e} \quad \hat{g}_{a}^{f} \quad \hat{g}_{v}^{e}\hat{g}_{v}^{f}\cos\theta \right]$$