

$$-i\tilde{t}_i^{(s)} = \frac{g_{K^+n}^2}{M_I - M_R + i\Gamma/2} \left\{ G(M_I)(a_i + c_i) - \frac{1}{3} \bar{G}(M_I)b_i \right\} \boldsymbol{\sigma} \cdot \boldsymbol{\kappa}_{in} S_I(i)$$