

$$\begin{array}{ccccccc}
\mathbf{P}/2 + \mathbf{k} & & \mathbf{P}/2 + \mathbf{k}' & & & & \\
& \nearrow \quad \nwarrow & & \nearrow \quad \nwarrow & + & \nearrow \quad \nwarrow & + & \nearrow \quad \nwarrow & + & \dots \\
& \text{[Hatched Circle]} & = & \text{[Black Circle]} & + & \text{[Two-Loop Bubble]} & + & \text{[Three-Loop Bubble]} & + & \dots \\
& \searrow \quad \swarrow & & \searrow \quad \swarrow & & \searrow \quad \swarrow & & \searrow \quad \swarrow & & \\
\mathbf{P}/2 - \mathbf{k} & & \mathbf{P}/2 - \mathbf{k}' & & & & \\
i T(k, \cos \theta) & & - i C_0(\Lambda) & & - i C_0(\Lambda) I_0(k, \Lambda) C_0 & & - i C_0 I_0 C_0 I_0 C_0
\end{array}$$

The diagram illustrates the expansion of a hatched circle into a series of bubble diagrams. The hatched circle is connected to four external lines with momenta  $\mathbf{P}/2 + \mathbf{k}$ ,  $\mathbf{P}/2 + \mathbf{k}'$ ,  $\mathbf{P}/2 - \mathbf{k}$ , and  $\mathbf{P}/2 - \mathbf{k}'$ . This is equal to the sum of a black circle, a two-loop bubble diagram, a three-loop bubble diagram, and higher-order terms. The corresponding mathematical expressions are  $i T(k, \cos \theta)$ ,  $- i C_0(\Lambda)$ ,  $- i C_0(\Lambda) I_0(k, \Lambda) C_0$ , and  $- i C_0 I_0 C_0 I_0 C_0$  respectively.