Figure 1: Contributions to the nuclear strangeness charge form factor, $F_C^{(s)}(q)$. One-body (a) and "pair current" (b) contributions depend on the nucleon's strange-quark vector current form factors. "Transition current" (c) contributions arise from strange-quark vector current matrix elements between meson states $|M\rangle$ and $|M'\rangle$. Here, the cross indicates the insertion of the strangeness charge operator.
Figure 2: $\phi$-meson dominance picture of the strangeness current transition matrix element. $V$ refers to a vector meson, $P$ to a pseudoscalar, and the cross represents the insertion of the current.
Figure 3: One-loop diagrams which contribute to the strangeness current transition matrix element. The cross represents the strangeness vector current.