

A Feynman diagram representing the process $\psi \bar{\psi}' \rightarrow \lambda \psi \lambda' \bar{\psi}'$. The diagram consists of a central circle (loop) with two shaded vertices. The left vertex is connected to an incoming fermion line ψ (top) and an outgoing fermion line $\bar{\psi}'$ (bottom). The right vertex is connected to an incoming fermion line λ (top) and an outgoing fermion line λ' (bottom). The external lines are labeled with their respective fields: ψ , $\bar{\psi}'$, λ , and λ' . The internal lines are represented by the shaded vertices on the loop.