



The figure displays a 3x3 grid of 9 Feynman diagrams, each representing a 2-loop self-energy correction to a fermion. The diagrams are arranged in three rows and three columns, separated by thick black lines. Each diagram shows a horizontal fermion line with a loop structure. The internal lines and vertices are represented by various symbols: crosses for fermion loops, dots for scalar loops, and triangles for vector loops. The diagrams illustrate different topologies for the 2-loop self-energy, including fermion, scalar, and vector loops, and their combinations.