

$$C^{(1c)}(\mathbf{k}) =$$

The diagram illustrates the one-loop contribution $C^{(1c)}(\mathbf{k})$. It features a horizontal fermion line with four vertices marked by black dots. The vertices are labeled from left to right as 0 , τ , 0 , and τ . The first and third vertices are connected by a dashed arc (representing a scalar particle) that curves upwards. The second and fourth vertices are also connected by a dashed arc that curves upwards. A solid blue line segment connects the two central vertices (τ and 0), representing a fermion self-energy insertion. This blue line has a cross on it, indicating a specific interaction or correction. The horizontal line segments between the vertices have arrows pointing to the right, indicating the direction of fermion flow. To the right of the diagram is a vertical axis with labels 0^+ at the top and 0^- at the bottom, representing the energy component of the external momentum.