



The diagram shows a fermion loop represented by two horizontal dashed lines with arrows pointing to the right. The left segment of the loop is labeled with momentum  $k$  below it. The right segment is labeled with momentum  $k + q$  below it. A vertical arrow labeled  $q$  points downwards into the left vertex of the loop. A wavy line, representing a photon, is attached to the left vertex and extends upwards.

$$= i (-i) (k + k + q)^\mu = (k + k + q)^\mu$$