

$$\begin{array}{c} e^- \\ \nearrow \\ \text{---} \\ \searrow \\ e^- \end{array} \begin{array}{c} e^- \\ \nearrow \\ \text{---} \\ \searrow \end{array} = \begin{array}{c} \nearrow \\ \text{---} \\ \searrow \end{array} + \begin{array}{c} \nearrow \\ \text{---} \\ \searrow \end{array} + \begin{array}{c} \nearrow \\ \text{---} \\ \searrow \end{array} + \dots$$

The first diagram on the left shows two incoming electrons (represented by solid lines with arrows) interacting via a single photon exchange (represented by a wavy line). This is equal to the sum of three diagrams:

- The first diagram in the sum shows two incoming electrons interacting via a single photon exchange, with the photon line connecting the two vertices.
- The second diagram in the sum shows two incoming electrons interacting via a single photon exchange, with the photon line connecting the two vertices.
- The third diagram in the sum shows two incoming electrons interacting via a single photon exchange, with the photon line connecting the two vertices.

The series continues with terms representing higher-order interactions involving multiple photon exchanges, indicated by the ellipsis (...).

Additional charges (Zusätzliche Ladungen)