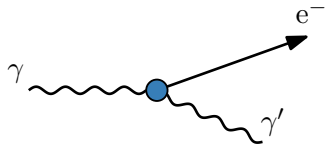
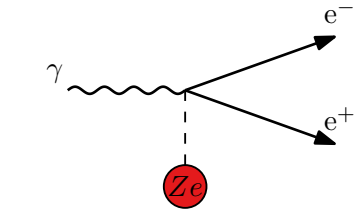


$$\gamma + \text{atom} \rightarrow e^- + \text{atom}^+$$



$$\gamma + e^- \rightarrow \gamma + e^-$$



$$\gamma + \text{nucl.} \rightarrow e^+ + e^- + \text{nucl.}$$