

- $\mu^+ e^- \rightarrow \mu^- e^+$

- $\mu^- + N(A, Z) \rightarrow \mu^+ + N(A, Z - 2)$

- $\nu_\mu + N(A, Z) \rightarrow \mu^+ + N(A, Z - 1)$

- $\nu_\mu + N(A, Z) \rightarrow \mu^+ \mu^+ \mu^- + N(A, Z - 1)$