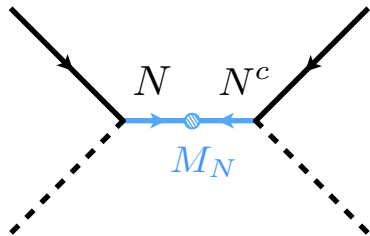
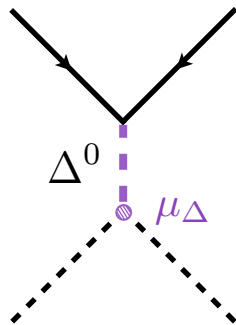


Type I



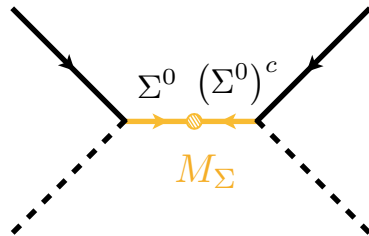
$$m_\nu \approx Y_N^T \frac{1}{M_N} Y_N v^2$$

Type II

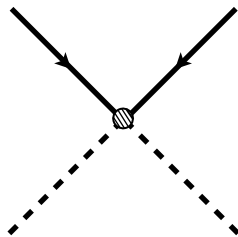


$$m_\nu \approx Y_\Delta \frac{\mu_\Delta}{M_\Delta^2} v^2$$

Type III



$$m_\nu \approx Y_\Sigma^T \frac{1}{M_\Sigma} Y_\Sigma v^2$$



Weinberg Operator

$$\frac{c}{\Lambda} \left(\bar{L}^c \tilde{H}^* \right) \left(\tilde{H}^\dagger L \right) \rightarrow \frac{c}{\Lambda} \frac{v^2}{2} \bar{\nu}_L^c \nu_L$$