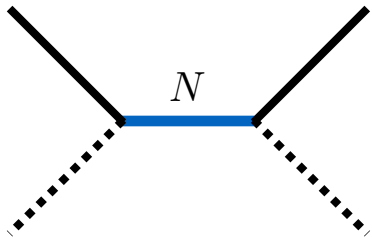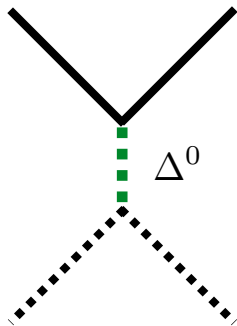Type I
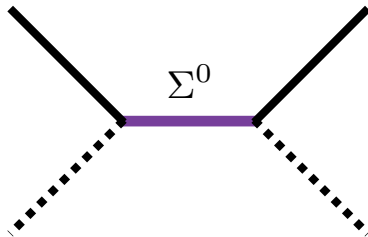
$$m_\nu \approx Y_N^T \frac{1}{M_N} Y_N v_h^2$$

Type II
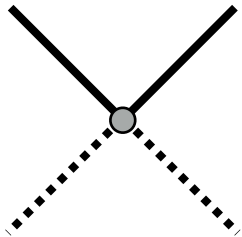
$$\Delta^0$$

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

Type III

$$\Sigma^0$$

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

$$N$$

Weinberg Operator

$$\frac{c}{\Lambda_{\text{new}}} \left(\overline{L^c} \tilde{H}^* \right) \left(\tilde{H}^\dagger L \right) \rightarrow m_\nu \approx \frac{c}{\Lambda_{\text{new}}} v_h^2$$