

$$\frac{a}{\Lambda} \equiv \frac{1}{\Lambda_{d=5}} \rightarrow \Lambda_{d=5} = \frac{v^2}{2m_\nu} \geq \frac{3 \cdot 10^{13} \text{ GeV}}{\left[\frac{m_\nu}{1 \text{ eV}}\right]}$$