The It's deent have  $V \in V \rightarrow No$  seesaw.

If  $m_N < m_{H_{\Sigma}}$ ,  $\Rightarrow$  N could be the DM conidate

If  $m_N$  light. (say  $\leq keV$ ) warm DM

Candidate

M

H

Te

- o then your Michael purametr calculation needs to include the start - V mass.
- of for Light, if MHz \geq 110 GeV. Hen it can't he produced on-shell.
  - · For DM