MARM UP

$$L = \begin{pmatrix} V_b \\ E_L \end{pmatrix} \frac{T^3}{1/2} \frac{1}{-1/2}$$

$$\frac{15}{12}$$
  $\frac{1}{-12}$   $\frac{1}{-12}$ 

$$\overline{E} = e_R^{\dagger}$$
 o 1

(HYLE > \* FRETTZ mixes er ree into mossive electron

85: 
$$V_{L}^{X} \longrightarrow LH$$
 NEUTRING
(2 0 of)

 $e = (e^{2}, e^{2})$  electron (4 dof)

 $V_{L}^{H}$ 
(2 dof) (2 dof)

@ ADD A NEW PARTICLE, RH (ONLY) NEUTRIND:

suler contracted