

$$\nu_\alpha \rightarrow \nu_1 + \nu_2$$

The diagram illustrates the decomposition of a neutrino flavor state  $\nu_\alpha$  into two mass eigenstates,  $\nu_1$  and  $\nu_2$ . On the left, a large light blue arrow points right, labeled  $\nu_\alpha$ . To its right is an equals sign. Further right is a plus sign. To the right of the plus sign are two arrows: a smaller blue arrow pointing right, labeled  $\nu_1$ , and a larger yellow arrow pointing right, labeled  $\nu_2$ . This represents the equation  $\nu_\alpha = \nu_1 + \nu_2$ .