SUM OF NEUTRINO MASSES

The limits on low mass ($m_\nu \lesssim$ 1 MeV) neutrinos apply to $m_{\rm tot}$ given by

$$m_{\rm tot} = \sum_\nu (g_\nu/2) m_\nu \ ,$$

where g_ν is the number of spin degrees of freedom for ν plus $\overline{\nu}$: $g_\nu = 4$ for neutrinos with Dirac masses; $g_\nu = 2$ for Majorana neutrinos. The limits on high mass ($m_\nu > 1$ MeV) neutrinos apply separately to each neutrino type.