Abstract

We review the Pseudo-Dirac scenario for neutrino oscillation which assumes that each generation is actually composed of two maximally mixed Majorana neutrinos separated by a tiny mass difference. For pseudo-Dirac splittings $\delta m^2 < 10^{-12} eV^2$ the usual active neutrino phenomenology remain unaltered. Then we investigate the effects of pseudo-Dirac scenario on the flavor ratio of UHE cosmic neutrinos. Construction of kilometer scale neutrino telescopes opens up new window to explore even smaller values of pseudo-Dirac mass splittings.