

Abstract

We examine the feasibility of deriving neutrino mixing parameters δ and θ_{13} from the cosmic neutrino flavor composition under the assumption that the flavor ratios of the cosmic neutrinos at the source were 1:2:0. We then examine to what extent the deviation of the initial flavor ratio from 1:2:0 can be tested by realistic flavor ratio measurement at neutrino telescopes taking into account various sources of uncertainty.