

Tau neutrinos from astrophysical and cosmological sources

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Abstract. Previous work on the neutrino spectra from high energy sources has not included the tau neutrinos directly produced by the decays in the source. Here we consider the tau neutrino component and discuss how its inclusion modi-

fies the expected neutrino spectra. We also discuss implications for interpreting any observed tau neutrino component in TeV - UHE events as evidence of $\nu_\mu - \nu_\tau$ oscillations.