

Abstract Submitted  
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**Constraining Large Extra Dimensions with MINOS/MINOS+**  
JUNTING HUANG, Univ of Texas, Austin, MINOS COLLABORATION — We present the sensitivity of MINOS/MINOS+ to large extra dimensions using muon neutrino disappearance in the NuMI beam. Employing a model in which sterile neutrinos can propagate in a large compactified extra dimension while standard model left-handed neutrinos are confined to a 4-dimensional brane, we constrain the size of large extra dimensions as a function of the lightest neutrino mass. Mixing between active and sterile neutrinos occurring in the MINOS/MINOS+ baseline are treated as perturbations to the standard oscillation scenario.

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