

Neutrino oscillations in presence of large extra dimensions at JUNO and TAO

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I discuss the sensitivity to parameters describing large extra dimensions (LED) at the next generation reactor experiment JUNO, in combination with its near detector TAO. After an introduction to neutrino oscillations with LED parameters, I discuss the effect of systematic uncertainties on the sensitivity. I show how well JUNO+TAO could measure LED parameters if large extra dimensions were present in nature. I also show that the light sterile neutrino scenario produces a nearly identical signal at JUNO+TAO as the LED scenario.

Working group

WG5

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