

Search for Sterile Neutrinos at RENO

Authorship annotation

for the RENO collaboration

Session and Location

Monday Session, Poster Wall #126 (Hölderlin-Room)

Abstract content

The RENO experiment has successfully measured j_{13} using the disappearance of electron anti-neutrinos in three-flavor neutrino oscillations. We search for sterile neutrinos in four-flavor oscillation model using roughly 1500 days of data collected by the RENO experiment. We have not seen any positive signal and obtain an excluded region of the oscillation parameters. We present an excluded contour plot in $\sin^2(2j_{14}) \sim Dm_{41}^2$ space.

Poster included in proceedings:

yes

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Session Classification : Poster Session Monday

Track Classification : Poster (not participating in poster prize competition)