

# JUNO's Sensitivity to Neutrino Mass Ordering

Friday, 21 June 2024 17:30 (2 hours)

The Jiangmen Underground Neutrino Observatory (JUNO) is a 20 kton liquid scintillator detector that will be located 650 m underground in the south of China. One of the main goals of the experiment is to determine the neutrino mass ordering. With energy resolution of 3% at 1 MeV, an optimized baseline of 52.5 km, and using electron antineutrino data from eight nuclear reactors, JUNO can determine neutrino mass ordering with a median significance level of  $3\sigma$  after about six years of data taking. This poster is dedicated to the details of the JUNO neutrino mass ordering sensitivity analysis.

## Poster prize

Yes

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**Session Classification:** Poster session and reception 2

**Track Classification:** Reactor neutrinos