

# Overview of JUNO

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The Jiangmen Underground Neutrino Observatory (JUNO) is a multipurpose neutrino experiment aiming to determine the neutrino mass hierarchy and precisely measure the neutrino oscillation parameters by detecting reactor antineutrinos at ~50 km baselines using a 20-kiloton liquid scintillator detector placed at 1800-m.w.e deep underground. JUNO is also capable of observing supernova neutrinos, studying the atmospheric neutrinos, solar neutrinos, geoneutrinos, and other physics. The international collaboration of JUNO was established in 2014 and the civil construction has started in 2015. JUNO is planning to start data taking around 2020. The scientific opportunities and the status of JUNO will be presented in this talk.

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