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## Overview of the event reconstruction in JUNO

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Jiangmen Underground Neutrino Observatory (JUNO), located in the southern part of China, will be the world's largest liquid scintillator (LS) detector upon completion. Equipped with 20 kton LS, 17612 20-inch PMTs and 25600 3-inch PMTs in the central detector, JUNO will provide a unique apparatus to probe the mysteries of neutrinos, particularly the neutrino mass ordering puzzle. One of the main challenges for JUNO is the high precision event reconstruction. This talk will give an overview of the event reconstruction in JUNO, including PMT waveform reconstruction, vertex and energy reconstruction for reactor anti-neutrinos, track reconstruction for cosmic muons as well as directionality reconstruction and flavor identification for atmospheric neutrinos. Hopefully the novel ideas and techniques presented in this talk could shed light on enhanced detector performance for other experiments.

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