

## Multi-Messenger Trigger System of JUNO

The Jiangmen Underground Neutrino Observatory (JUNO) is a 20 kton liquid scintillator detector aiming to measure neutrino mass hierarchy. With its large target mass, low threshold and excellent energy resolution, JUNO can be a powerful neutrino telescope. To fully exploit its ability of observing astrophysical neutrinos, we are developing a multi-messenger trigger system for JUNO, trying to expand the observe energy window by further lowering the trigger threshold, and to search for transient astrophysical neutrino signals (like supernovae, neutron star mergers, etc.) by implementing Bayesian blocks algorithm on the trigger. In this talk, I will introduce our work and progress on the multi-messenger trigger system.

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