

# Advancing Future Deep-sea Neutrino Observatory

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The TRopical DEep-sea Neutrino Telescope (TRIDENT), a next generation neutrino observatory initiated by Shanghai Jiao Tong University to be positioned in the western Pacific Ocean, aims to uncover multiple high-energy astrophysical neutrino sources. This effort significantly enhances our ability to measure cosmic neutrinos across all flavors. This talk will provide an overview of the recently published results from the TRIDENT Pathfinder, a pioneering experiment designed to advance the TRIDENT project. I will also explore the innovative detector designs and briefly outline future plans for the TRIDENT collaboration.

## Collaboration (if any)

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