

## Recent progress on neutrino astronomy and the TRIDENT project

*Saturday, 3 June 2023 09:45 (25 minutes)*

With IceCube's discovery of an extragalactic diffuse neutrino flux and first identification of compelling evidence for corresponding sources, TXS0506+056 and NGC 1068, neutrino astronomy is at the tipping point for major breakthroughs. In this talk, I will give a brief overview on the current status of the nascent field of high-energy neutrino astronomy and then discuss the progress on the newly proposed next-gen neutrino telescope to be built in South China Sea – the TRIDENT project.

**Primary author:** Prof. XU, Donglian (T D Lee Institute)

**Presenter:** Prof. XU, Donglian (T D Lee Institute)

**Session Classification:** Neutrino