

# SNIFR - Submarine Neutrino Identification For Reconnaissance

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We are now in an era where the sensitivity and scalability of neutrino detectors allows for more intimate investigation into nuclear reactors at range. The reactors deployed on nuclear submarines have a thermal power output around an order of magnitude lower than that of power reactors, but a scalable detector technology could be deployed on a large commercial ship to detect submarines at a range comparable to passive sonar in some scenarios, independent of environment. This talk presents the viability of this technique in the context of modern detector sensitivities, and discusses its practicality.

## **Abstract title**

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