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WIND(Water In Neutrino Detectors) Project

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WIND is a plan to deploy a Water-based Liquid Scintillator (WbLS) detector at the Yonggwang reactor RENO far detector facility. The project aims to use WbLS for reactor neutrino detection with excellent precision, both in energy resolution and directionality, while also exploring the potential for advanced neutron tagging and background suppression. The "hybrid" neutrino detection technology leverages both Cherenkov and scintillation signatures simultaneously, offering powerful detector capabilities and extending physics goals beyond that of current experiments.

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