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Listening for ultra-heavy dark matter with underwater acoustic detectors

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The possibility of detecting ultra-heavy dark matter often poses a significant challenge due to the incredibly suppressed flux. As a result, even models with high cross sections with respect to the weak scale WIMPs remain unconstrained. In this talk, we show the potential for future large scale acoustic detectors in the ocean initially proposed for ultra high energy neutrino detection could probe the ultra-heavy dark matter parameter space.

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