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The CONUS Experiment and future potential of coherent neutrino scattering

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Coherent elastic neutrino nucleus scattering (CEvNS) was first observed 2018 with neutrinos from pion decay at rest. CONUS aims at detecting CEvNS with low energy anti-neutrinos. It uses novel Germanium detector technology and a virtual depth shield for operation at shallow depth only 17 meters away from the core of a multi GW power reactor. The talk will cover the status of CONUS, latest results and an outlook of the potential of future CEvNS experiments.

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