

## The COHERENT Experiment.

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The COHERENT experiment goals are to detect and study elastic neutrino-nucleus scattering ( $\text{CE}\nu\text{NS}$ ). This process is predicted by Standard Model but it has never been observed experimentally because of very low energy of recoil nucleus. COHERENT is using different detector technologies: germanium detector, CsI[Na] and NaI scintillator crystals and single phase liquid Ar detector. All the detector setups placement is a basement of the Spallation Neutron Source (SNS) at Oak Ridge National Laboratory (ORNL). A description of the COHERENT experiment program and technologies used will be presented.

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