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The COHERENT Experiment.

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The COHERENT experiment goals are to detect and study elastic neutrino-nucleus scattering (CEνNS). 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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