Abstract Submitted
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Detectors for the COHERENT neutrino experiment[1] REX TAYLOE, Indiana Univ - Bloomington, COHERENT COLLABORATION — The COHERENT collaboration is deploying a suite of low-threshold detectors at the SNS in a low-background corridor to detect coherent elastic neutrino nucleus scattering (CEvNS), to measure the N^2-dependence of the cross section, and to search for physics beyond the standard model. These detectors must be low-threshold and low-background in order to observe the low-energy nuclear recoil in the CEvNS process with $\approx$ 10 MeV SNS neutrinos. A 14kg CsI detector has run for the last year. Liquid Ar, high-purity Ge, and NaI detectors will be installed in near future. Demonstrated and predicted performance of these detectors for observation of CEvNS will be presented.

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Rex Tayloe
Indiana Univ - Bloomington

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