

Abstract Submitted
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Coherent Scattering Investigations at the Spallation Neutron Source PHIL BARBEAU, Duke Univ — The Spallation Neutron Source (SNS) at Oak Ridge National Laboratory, Tennessee, provides an intense isotropic flux of neutrinos in the few tens-of-MeV range, with a sharply-pulsed timing structure which is beneficial for background rejection. This talk will describe how the SNS source can be used for a measurement of coherent elastic neutrino-nucleus scattering (CENNS), the physics reach of such a measurement, and status of the planned experimental program (CSI: Coherent Scattering Investigations at the SNS).

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