

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

CLEAR: Prospects for a Low Threshold Neutrino Experiment at the Spallation Neutron Source KATE SCHOLBERG, Duke University — A low-threshold neutrino scattering experiment at a high intensity stopped-pion neutrino source has the potential to measure coherent neutral current neutrino-nucleus elastic scattering. A promising prospect for the measurement of this process is a proposed noble-liquid-based experiment, dubbed CLEAR (Coherent Low Energy A(Nuclear) Recoils), at the Spallation Neutron Source. This talk will describe the CLEAR proposal and its physics reach.

Kate Scholberg
Duke University

Date submitted: 11 Jan 2008

Electronic form version 1.4