

Abstract for an Invited Paper
for the MAR10 Meeting of
The American Physical Society

Opportunities in Neutron Science

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National Laboratories often have unique facilities that cannot be normally found at universities, and that provide unique opportunities to perform research using world class instrumentation in collaboration with teams of experts. This synergy of expertise and world-class facilities also offers unique opportunities for mentoring and training of students in settings different from the university environment. In this talk I will discuss the opportunities of scientific research, mentoring and training at the Spallation Neutron Source (SNS) and the High Flux Isotope Reactor (HFIR) at Oak Ridge National Laboratory. The SNS is the world's most intense pulsed accelerator-based neutron source, the HFIR is the highest flux reactor-based neutron source for condensed matter research in the United States, the combination of these provides neutron scattering capabilities unavailable anywhere else in the world. The SNS and the HFIR at ORNL are funded by the Division of Scientific User Facilities, Office of Basic Energy Sciences, US. Department of Energy.