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An Overview of the Spallation Neutron Source. Ian Anderson, Spallation Neutron Source, Oak Ridge National Laboratory, Oak Ridge, TN 37830.

The Spallation Neutron Source is an accelerator-based neutron source being built in Oak Ridge, Tennessee. When completed in 2006 SNS will provide the most intense pulsed neutron beams in the world for scientific research and industrial development. The SNS is being built by a partnership of six DOE laboratories, and like all DOE facilities will be operated as a user facility, open to scientists and engineers from universities, industry, and government laboratories in the United States and abroad.

Three cryogenic and one ambient water moderator will serve up to 24 instruments, 16 of which have been approved and are in various stages of construction. All instruments at SNS have been designed to be best in class and will provide unprecedented opportunities to explore the structure and dynamics of novel materials.