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The Fundamental Neutron Physics Beamline at the Spallation Neutron Source

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The Spallation Neutron Source (SNS) at Oak Ridge National Laboratory began operation in April 2006 and is in the process of ramping up to full operational capacity. The major focus of the SNS is condensed matter research, however, the SNS has dedicated one of its cold neutron beamlines for nuclear and particle physics research. This Fundamental Neutron Physics Beamline (FNPB) is scheduled to commence operations in 2008. The anticipated research program at the FNPB includes studies of neutron beta decay and the hadronic weak interaction as well as a search for a neutron electric dipole moment. The talk will give an overview of the FNPB project, a construction status update, and a description of the initial, anticipated, suite of measurements.