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The SNS Reliability Program

The Spallation Neutron Source accelerator systems consist of a ~1GeV H⁻, pulsed, superconducting Linac, with ~1000 turn H⁻ injection stripping accumulator ring and single-turn extraction to a Hg target. It has operated recently for extended periods at ~1MW with ~ 90% availability. The approach to reliable operation at the SNS will be discussed including RAMI Modeling, Management Information Systems, Metrics, Configuration Control, Work Control and the Spares Policy.

Primary author: Dr DODSON, George (Spallation Neutron Source, Oak Ridge National Laboratory)

Presenter: Dr DODSON, George (Spallation Neutron Source, Oak Ridge National Laboratory)