

COMMISSIONING OF SNS BEAM INSTRUMENTATION

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Abstract

The Spallation Neutron Source (SNS) is an accelerator-based neutron facility under construction in Oak Ridge, Tennessee. The project is a collaboration of 6 partner laboratories: Lawrence Berkeley (LBNL), Los Alamos (LANL), Argonne (ANL), Brookhaven (BNL), Jefferson (Jlab), and Oak Ridge (ORNL). To achieve the performance goals, the SNS accelerator facility must deliver over one megawatt of beam power to a mercury target. This talk will describe the beam diagnostic instrumentation required to commission and operate such a facility at high beam power. Status of the SNS construction and recent beam commissioning results will also be presented.

NO SUBMISSION RECEIVED