

Purpose and Scope of Workshop

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The SNS offers an extraordinary opportunity for nuclear and particle physics with low energy neutrons.

The Purpose of this Workshop is to move forward toward the exploitation of that opportunity

Workshop Scope

- *Identification of the facilities and ancillary equipment that are required to allow a successful program of fundamental neutron physics at the SNS*
- *Identification of the organizational and management structure for an Instrument Development Team (IDT) that will allow the construction of beamlines and the execution of a scientific program*
- *Identification of individuals who are interested being a part of the IDT, willing to help with the preparation of proposals, and/or interested in specific roles during the design and construction of beamlines.*

Scope of the Instrument Development Team

- *It is anticipated that the IDT will be responsible for the design and construction of the beamline(s). This will include proposal preparation, conceptual and final design, construction, and commissioning.*
- *It is anticipated that the IDT will be responsible for the operation of the beam line. This will include onsite user support and appropriate levels of technical and engineering during the design, construction, installation, and execution of experiments.*
- *It is NOT anticipated that the IDT will be the vehicle for the financial support of individual experiments. Such support is expected to be raised by individual collaborations in the usual fashion.*

Identification of the facility requirements

- *There are several technical choices that will have to be made. This workshop is the forum to provide broad user input into these decisions.*

- *The requirements identified in this workshop will be used as the basis for the baseline design that will appear in the proposal for funding.*

We Need Volunteers

- *In the next few months we must submit a proposal to DOE for funding for the beamline and to the SNS for formal allocation of the beamline(s).*
- *Significant simulation efforts and intelligent thought will be required to develop optimal final designs.*
- *It is not too early to begin identifying individuals and groups that may take responsibility for particular project tasks.*