

Call for NSLS-II Partner User Proposals

May 17, 2013

1. INTRODUCTION

National Synchrotron Light Source II (NSLS-II) is a highly optimized 3rd generation synchrotron facility that provides high brightness and photon flux as well as exceptional beam stability over a broad range of photon energies from infrared to hard x-rays. When fully built out, NSLS-II will be able to accommodate at least 58 beamlines for scientific programs, with additional beamlines possible through canted insertion devices and multiple experiment hutches.

Accessing beam time at NSLS-II beamlines is governed by the *NSLS-II User Access Policy* (<http://www.bnl.gov/nsls2/docs/pdf/UserAccessPolicy.pdf>). Photon Sciences (PS) management recognizes the potential for contributions from the scientific and industrial community to significantly enhance both NSLS-II beamline development and operations, and thus encourages interested user groups to become partner users of the facility. Partner users receive a certain percentage of the available beam time on a beamline in recognition of their contributions. As explained in the *NSLS-II User Access Policy*, each beamline at NSLS-II may allocate up to 40% of the available beam time for one or more approved partner user proposals for a given run cycle.

2. CALL FOR PARTNER USER PROPOSALS

NSLS-II invites interested user groups to submit Partner User Proposals (PUPs) that describe the proposed partnership with PS to enhance the development and operations of NSLS-II. As stated in the *NSLS-II User Access Policy*, all proposed partnerships are reviewed for beamline feasibility by beamline staff, scientific and/or societal impact by a Proposal Review Panel, and programmatic compatibility by PS management. These reviews are aimed at ensuring the proposed partnership will enhance the scientific capabilities and the overall impact of NSLS-II beamlines. See *NSLS-II User Access Policy* for more details on Partner User Proposal review criteria.

This Call for PUPs intends to cover perspective partner user proposals on all beamlines that are currently under construction at NSLS-II. All PUPs for this round should be submitted by **September 30, 2013**, to NSLS2proposals@bnl.gov. Please address all questions to Gretchen Cisco, the NSLS-II User Administration Manager, at gcisco@bnl.gov. PUPs submitted after this date will be accepted but will be reviewed in the next round of Call for PUPs.

A Partner User Proposal (PUP) must contain the following information:

A. Basic Information (1-2 pages):

Title of the Proposal
NSLS-II Beamline: *Beamline or Acronym*

Principal Investigator and Collaborators: *Name, Affiliation, Address, Contact Information*

B. Proposed Program and Impact (3-5 pages):

Description of the proposed program to be conducted at the specified beamline, how this program would be enhanced or enabled by the proposed contribution, and the scientific and/or societal impact of this program, including the benefits to stakeholders funding the program and to the general user programs overall. This description of the overall program and its impact should typically be 3-5 pages depending on the scope of the PUP.

C. Proposed Contributions and Partnership Terms(2-3 pages):

Detailed description of the proposed contribution and terms of the partnership that the proposal team intends to establish at NSLS-II. Examples of possible contributions include instrumentation to enhance beamline capabilities and/or staffing in support of beamline operations. For instrumentation contributions, include an estimated replacement cost for the proposed hardware, how it is being funded, and the resources needed to integrate the contributed hardware into the beamline. For staffing contributions, include a brief description of type of staffing (scientific, postdoc, or technical) on an annual basis and how the proposal team intends to fund them. For other types of contributions, provide sufficient information to describe the nature and value of the contribution and any significant assumptions or requirements.

The proposed terms of the partnership should include, among other things, requested beam time (in percentage of available beam time at the beamline) that is required to achieve the program described in Section B and the duration of the proposed partnership.

As described in the *NSLS-II User Access Policy*, after it is reviewed and rated by the PRP, the PUP will be reviewed by PS management to assess the potential of the proposed partnership to enhance the utilization or capabilities of the facility or to contribute to its operation and to assess the compatibility of the goals of the proposed partnership with the overall goals of the facility. Beam time will be awarded to the PUP by PS management via a Partner User Agreement based on the recommendations from the PRP, the input from the Partner User group, and the assessment of PS management.