

Record of Discussion for Prospective Research Collaboration on NSTX

NSTX Program, March 16, 1998

We very much thank the authors of the Letters of Interest for sending in very good descriptions of prospective research collaboration on NSTX. The Letters of Interest encompass a wide range of research elements in all major scientific areas of interest and provided a solid basis for NSTX Research Program planning.

Several statements in the Office of Energy Research Notice 98-07, *National Spherical Torus Experiment (NSTX) Research Program*, help ensure extensive national collaboration of the NSTX Research Program. These are:

“The program of collaboration must be developed through cooperation and discussions with the NSTX research team at Princeton Plasma Physics Laboratory (PPPL).”

“Not all of the research tasks will be undertaken simultaneously. In selecting applications for funding, the DOE Office of Fusion Energy Sciences will give priority to applications that can produce experimental results that are needed by the NSTX program within the first two years of experimental operations. However, the OFES intends to build a research team to meet the longer duration program goals.”

“(2) A detailed experimental research plan describing the elements of the collaboration with PPPL including the PPPL collaborators and any local support needed from PPPL, and arrangements for access to the device;”

The NSTX PAC in its report of the meeting on February 11-12 recommended ‘that PPPL establish a uniform process as soon as possible to show that the program of collaboration submitted by Proposers responding to the 98-07 DOE Program Solicitation Notice for collaboration on NSTX has been “...developed through cooperation and discussions with the NSTX research team at PPPL...” as required in the 98-07 Program Notice.

The purpose of this communication is to provide an open, uniform, non-prejudicing and voluntary process for this purpose. We encourage that the attached form: **Record of Discussions for Prospective Research Collaboration on NSTX** be filled out, emailed to NSTX Research Program as soon as possible, and attached to each of collaborative proposals to DOE. As this process can take considerable efforts and time to come to closure, *we will only be able to guarantee that the desired discussions and answers be completed in time for the DOE deadline if the discussion is initiated before or on April 10, 1998.*

PPPL contacts for the NSTX collaboration proposals are identified in the Table on page 3. These researchers are in a position to:

- 1) provide answers to the collaborator's questions,
- 2) find the answers from the NSTX Project and Operations Team, or
- 3) identify and suggest another PPPL researcher as the more appropriate contact or partner for the prospective collaborator.

Please email Martin Peng at mpeng@pppl.gov and Masayuki Ono at mono@pppl.gov (preferred) or call them at (609) 243-2305 and (609) 243-2105, respectively, if you need further clarification.

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(No new initiative of discussion for prospective research collaboration should begin after April 10, 1998.

Note that deadline for proposal in response to Notice 98-07 is April 23, 1998)

(Email to mpeng@pppl.gov, mono@pppl.gov, jhosea@pppl.gov, skaye@pppl.gov)

Title (identical to title of proposal to DOE):			
		(leave blank)	
<u>This discussion initiated on date:</u>		<u>PPPL Scientific Area Contact:</u>	
		Name, signature and date:	
<u>Principal Collaborator:</u> Name, signature and date: Email and Tel: Institution:		<u>Principle PPPL Research Partner:*</u> Name, signature and date: Email and Tel:	
<u>Collaborators Task and Goal:</u>		<u>PPPL Partners' Task and Goal:</u>	
<u>Collaborator's Questions:</u> 1) 2) etc.		<u>PPPL Partners Responses to Collaborator's Questions:</u> 1) 2) etc.	
<u>NSTX Support Requirements:</u>		<u>NSTX Facility and Program Impact:</u>	
<u>Review of Content of This Record:</u> <u>NSTX Project Director, Masayuki Ono</u>		<u>NSTX Program Director, Martin Peng</u>	
_____ Signature		_____ Signature	
_____ Date		_____ Date	

*Please see list of **PPPL NSTX Research Collaboration Contacts** provided in Table on page 3.

PPPL Contacts for NSTX Research Collaboration

March 16, 1998

Scientific Area	Contacts	Email	609-243-xxxx
1) Inductive and CHI Current Formation and Sustainment	Stan Kaye	Skaye@pppl.gov	3162
2) RF and NBI Heating and Current Drive	Randy Wilson	Jwilson@pppl.gov	2061
3) Magnetics and Stability Limits	Dennis Mueller	Dmueller@pppl.gov	3239
4) Plasma Transport and Fluctuations	Ed Synakowski	Esynakowski@pppl.gov	2748
5) Divertor, SOL, Power and Particle Handling	Henry Kugel	Hkugel@pppl.gov	3146
6) Enabling Activities and Crosscutting Diagnostics	Dave Johnson Dennis Mueller*	Djohnson@pppl.gov Dmueller@pppl.gov	3152 3239

*For Plasma Control