

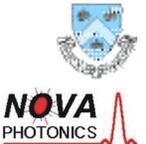
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# Goals and Agenda

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**FY-2001 NSTX Research Forum**  
**Princeton Plasma Physics Laboratory**  
January 15-19, 2001  
Princeton, New Jersey, USA



**Los Alamos**  
NATIONAL LABORATORY



# Three Components of Forum 2001 & Goals (PPPL, January 15 – 19, 2001)



- **1/15/01 (Mon): Phys Results and Operations Assessment & 2001 Research Ideas**
  - Learn from new results and operation experience so far
  - Present and discuss research ideas for 2001
  - ET groups to formulate 2001 experimental proposal priorities
- **1/17-18/01 (Tue-Wed): 2002-2005 Research Ideas**
  - Update research ideas from previous Forums
  - Provide basis for formulating FY2002-2005 research priorities & collaboration emphasis
- **1/18-19 am/01 (Thu-Fri): Turbulence Diagnostics Workshop**
  - Clarify optimal suite of measurements for turbulence on NSTX
  - Identify measurement strategies, strengths/weakness, theory comparison
  - Aim for implementation in FY2002-2005
- **Provide information useful for preparation of collaboration team proposals**
- **PAC meeting (2/8-9/2001) to review and advise on Program**

# Agenda of FY-2001 NSTX Research Forum (January 15 – 19, 2001, PPPL)



	1/15 (Mon)	1/16 (Tue)	1/17 (Wed)	1/18 (Thu)	1/19 (Fri)
AM	<ul style="list-style-type: none"> <li>• Program Overview</li> <li>• Project Overview</li> </ul> <p><b><u>2000 Results Assessment</u></b></p> <ul style="list-style-type: none"> <li>• 5 ET summaries</li> <li>• Phys. Operations</li> </ul>	<ul style="list-style-type: none"> <li>• ET summaries of 2001 Exp. Proposals</li> </ul> <p><b><u>2002-05 Res. Opp.</u></b></p> <ul style="list-style-type: none"> <li>• Scientific vision</li> <li>• Topical Group (TG) session agendas</li> </ul>	<ul style="list-style-type: none"> <li>• TG summaries (A)</li> <li>• TG parallel sessions (B)               <ul style="list-style-type: none"> <li>– Heating, Current Drive &amp; Fueling</li> <li>– Macroscopic Stability</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• TG summaries (C)</li> </ul> <p><b><u>Turbulence Diagnostic Wksp</u></b></p> <ul style="list-style-type: none"> <li>• Scientific issues</li> <li>• Theoretical models</li> <li>• Measurement needs</li> <li>• Measurement proposals</li> </ul>	<p><b><u>Turbulence Diagnostic Wksp (cont.)</u></b></p> <ul style="list-style-type: none"> <li>• Measurement proposals (cont.)</li> <li>• Workshop summary</li> </ul>
PM	<p><b><u>2001 Research Opp.</u></b></p> <ul style="list-style-type: none"> <li>• 2001 Research Plan</li> <li>• 2001 Exp. Op.</li> <li>• Phys Analysis</li> <li>• ET parallel sessions               <ul style="list-style-type: none"> <li>– Macroscopic Stability</li> <li>– Transport &amp; Turbulence</li> <li>– High Harmonic Fast Wave</li> <li>– Coaxial Helicity Injection (CHI)</li> <li>– Boundary Physics</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• TG parallel sessions (A)               <ul style="list-style-type: none"> <li>– Noninductive Startup</li> <li>– Turbulence &amp; Transport</li> </ul> </li> <li>• <b>NSTX Team Meeting (4:20-5:20 PM)</b></li> </ul>	<ul style="list-style-type: none"> <li>• TG parallel sessions (C)               <ul style="list-style-type: none"> <li>– Energetic Particles Physics</li> <li>– Multiphase Interface</li> </ul> </li> <li>• General Plasma Science Research</li> <li>• TG summaries (B)</li> </ul> <p><b><u>Proposal Process</u></b></p> <ul style="list-style-type: none"> <li>– Letters of Interest &amp; Record of Discussion</li> <li>– DOE advice</li> </ul>		<p><b><u>Adjourn (12:00 noon)</u></b></p>
Ev		No host dinner			



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## Overview

You are invited to participate in the FY-2001 NSTX Research Forum, to be held at PPPL January 15-19, 2001. The Forum has three components:

- 1 January 15: 2000 Physics Results and Operations Assessment & 2001 Experimental Campaign ([Goal and Charge](#))
- 1 January 16-17: 2002-2005 Research Opportunities & Proposal Process ([Goal and Charge](#))
- 1 January 18-19: Turbulence Diagnostic Workshop ([Charge and Topics of Interest](#))

The NSTX Research Forum is one of the most important components of the NSTX Program Planning process.

Click [Agenda](#) to see overall organization of meeting.

Click [Instructions](#) for information concerning proposal submission.

Click [Full Agenda](#) for details of the planned presentations of the NSTX program, project, and first results, and the discussion sessions where the proposed research ideas will be presented, discussed, and summarized.

Click [Participation](#)  for information on visiting PPPL and for remote participation in the meeting.

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## NATIONAL SPHERICAL TORUS EXPERIMENT (NSTX) FACILITY

