



## Proposal and Attendance Form for NSTX Research Forum 2001

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**Please write in the boxes below a one-page abstract of your proposal to be presented:**

**Title: High Resolution and Survey Spectroscopy at the Divertor and SOL Region**

**Abstract:** Combination of the high resolution and survey spectroscopy allow to measure such plasma parameters like ion temperature distribution and time behaviour of radiation, plasma flow velocity, impurity concentration and transport, control erosion of the divertor materials. Spectroscopic data can be useful also, for some special application: H-D isotopical ratio measurement; electron density and temperature measurement via line intensity ratio measurement; recombination – ionization plasma boundary identification. Presented diagnostic was worked successfully at DIII-D device during last five years.

<p>Choose only one topical session by inserting X for each proposal (Use separate forms for separate proposals)</p>	<p><b><u>2000 Results</u></b> (<a href="mailto:mbell@pppl.gov">mbell@pppl.gov</a>)  <b><u>&amp; 2001 Research Program</u></b> (<a href="mailto:esynakowski@pppl.gov">esynakowski@pppl.gov</a>)          (Please submit by January 10, 2001)</p> <p> <input type="checkbox"/> ET1: Macroscopic Stability  <input type="checkbox"/> ET2: Transport &amp; Turbulence  <input type="checkbox"/> ET3: High Harmonic Fast Wave &amp; Electron Bernstein Wave  <input type="checkbox"/> ET4: Coaxial Helicity Injection  <input checked="" type="checkbox"/> ET5: Boundary Physics         </p> <p><b><u>2002-2005 Research Opportunities</u></b> (<a href="mailto:mpeng@pppl.gov">mpeng@pppl.gov</a>)          (Please submit by January 11, 2001)</p> <p> <input type="checkbox"/> TG1: Noninductive Startup  <input type="checkbox"/> TG2: Heating, Current Drive &amp; Fueling  <input type="checkbox"/> TG3: Macroscopic Stability  <input type="checkbox"/> TG4: Transport &amp; Turbulence  <input type="checkbox"/> TG5: Energetic Particle Physics  <input type="checkbox"/> TG6: Multiphase Interface (Boundary Physics)         </p> <p><b><u>Fluctuations Measurement</u></b> (<a href="mailto:esynakowski@pppl.gov">esynakowski@pppl.gov</a>)          (Please submit by January 10, 2001)</p> <p><input type="checkbox"/> Fluctuations Measurement proposals</p>
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**Select a presentation option by inserting X:**

- Oral presentation in person
- Remote presentation via ShowStation and speakerphone
- Ask discussion leader to include in discussion
- No need to present, but include in meeting summaries



\_\_Attend Forum only (in person or with remote access)

**Special Requests for your proposal (projector type, time constraints, etc.):**

Please return this document via e-mail attachment to [jrobinson@pppl.gov](mailto:jrobinson@pppl.gov), [jsavino@pppl.gov](mailto:jsavino@pppl.gov), and the corresponding organizer listed above. Please e-mail questions or comments to the organizers listed above.