



## 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: Exploring the Physics of Aspect Ratio by Comparing DIII-D and NSTX**

**Abstract:** The poloidal cross section of DIII-D and NSTX are dimensionally quite similar. Toroidal field, plasma current, heating power and heating power density are all externally determined parameters that can also be made to match or be sensibly varied between the two devices. These characteristics of these machines therefore present an excellent and unique opportunity to compare the aspect ratio dependence of global and local confinement characteristic, stability, and edge heat fluxes.

<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 checked="" type="checkbox"/>_x_ET1: Macroscopic Stability  <input checked="" type="checkbox"/>_x_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"/>_x_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:**

- \_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.):**



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