



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: A Thomson Scattering Overview of NSTX's Operational Range

Abstract: This talk is meant to be an introduction to the ET2 parallel session I. Data from the recently installed multi-point Thomson scattering (MPTS) system will be used to give an overview of NSTX's heating systems and operation regimes. During the CY2000, the NSTX device has greatly expanded its operational envelope, with longer OH plasma duration, application of high harmonic fast-wave (HHFW) power, and utilization of NBI heating. In its present configuration, the MPTS system features 10 spatial points with a repetition rate on 30 Hz. Illustrative MPTS data will be given of prolonged OH operation, HHFW heating, and NBI heating including H-mode regime. During CY 2001, the system will be upgraded to 20 spatial channels, and the repetition rate will be increased to 60 Hz with the installation of a second YAG laser.

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



NSTX

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.):

Need to be first speaker.

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