

**Agenda of the FY98 NSTX Research Forum (Final, 12/2/97)
December 3-5, 1997, PPPL**

December 3, 1997, Wednesday (M. Gottlieb Auditorium)

8:00 Registration
8:30 Welcome (Rob Goldston)
8:40 Comment by DOE (Bill Dove)
8:50 Purpose and Agenda (Peng)

Plenary I, NSTX Plans (Chair: Schmidt)

9:00 Scientific Topics of Interest and Opportunities for Collaboration
(Peng)
9:40 Device, Facility, and Operational Capabilities (Ono)
10:20 Coffee
10:30 Heating and Current Drive Capabilities (Majeski)
11:00 Baseline Diagnostics Capabilities (Kaita)
11:20 Advanced Diagnostics Plan (Johnson)
11:40 Physics Basis and Run Preparation (Kaye)
12:25 Lunch

Plenary II, Operation and Complementary ST Research (Chair: Hosea)

1:25 Experimental Operation Considerations (Mueller)
1:45 Experience in Remote Experimentation (Sabbagh)
2:05 Remote Experimentation Considerations (Davis)
2:25 START Results (Gates)
2:45 HIT-II Research Program (Jarboe)
3:05 Coffee
3:15 Pegasus Research Program (Thorson)
3:35 CDX-U Research Program (Majeski)

Plenary III, Plans for WG Sessions (Chair: Tang)

3:55 WG1: Slow (MHD) Mechanisms for Current Formation and Sustainment
(Jarboe)
4:10 WG2: Fast Mechanisms for Heating, Current Formation and Sustainment
(Batchelor, Medley)
4:35 WG3: Magnetics and Stability Limits (Manickam)
4:50 WG4: Transport and Fluctuations (Synakowski)
5:05 WG5: Divertor, Scrape-Off Layer, Power and Particle Handling (Maingi)
5:20 WG6: Diagnostics (Johnson)

December 4, 1997 (Thursday)

8:00 Parallel WG Sessions I, Elements of Research and Measurement Needs

WG1 (Rm S213)
WG2 (Rm B252)
WG3 (Rm B331)
WG4 (Rm B318)
WG5 (Rm B233)
(Coffee in the Auditorium)
12:00 Lunch

Plenary IV, Measurement Needs (Chair: Neilson) (M. Gottlieb Auditorium)

1:00 WG1 (Jarboe)
1:15 WG2 (Medley)
1:30 WG3 (Sabbagh)
1:45 WG4 (Synakowski)
2:00 WG5 (Kugel)
2:15 WG6 Session Plan (Johnson)
2:30 Coffee (LOB Auditorium)

2:45 Parallel WG Sessions II, Summaries and Recommendations

WG1 (Rm S213)
WG2 (Rm B252)
WG3 (Rm B331)
WG4 (Rm B318)
WG5 (Rm B233)
WG6 (LOB Commons area on 2nd floor)

7:00 Forum Banquet at Princeton University Prospect House

Keynote Speaker (Rob Goldston, PPPL Director)

December 5, 1997, Friday

Plenary V, WG Summaries (Chair: Ono)

8:30 WG1 Summary (Jarboe)
8:55 WG2 Summary (Batchelor)
9:20 WG3 Summary (Manickam)
9:45 WG4 Summary (Synakowski)
10:10 Coffee
10:20 WG5 Summary (Stotler)
10:45 WG6 Summary (Johnson)

Plenary VI, Actions Items, National Process and Letters of Interest (Chair: Peng)

11:10 Summary of Action Items (Kaye)
11:35 Considerations on Experimental Run Times and Data Utilization (Kaye)
11:45 National Process and Letters of Interest (Peng)
12:10 Lunch

1:00 Tour of NSTX Facilities (Optional)

2:00 Adjourn

Recommendations to All Speakers and Participants

- 1) Please send electronic file(s) of your talk(s) to Joanne at jsavino@pppl.gov. We plan to put all talks on the web, if permission is given.
- 2) Please give Joanne (at the forum registration desk in LOB) one hard copy of your talk(s) for record.
- 3) Please use font 16 or higher. We plan to broadcast all plenary sessions on the web.
- 4) We encourage "chits" of questions and suggestions, will collect them during the entire Forum, will address them appropriately during the two weeks following the Forum, and publish the "chits" and feedback on the web.
- 5) Please sign up for the tour of NSTX Facility before 4:30pm on Thursday (December 4).