

**NCSX Physics Validation Review**  
**March 26-28, 2001**  
**Princeton Plasma Physics Laboratory**  
**LSB-318**

**Agenda**

**Monday, March 26, 2001, Room LSB-318**

- 8:00 **Arrival And Registration**
- 8:30 **Executive Session**
- 9:05 **Welcome from PPPL** (Rob Goldston)
- 9:15 **DOE Perspective** (John Willis)
- 9:25 **The Compact Stellarator Program and NCSX** (Hutch Neilson)
- 9:55 Discussion
- 10:10 Break
- 10:20 **Physics Overview** (Mike Zarnstorff)
- 11:30 Discussion
- 12:00 ***Lunch – PVR Review Panel in B-318/Project in B-333***
- 1:00 **Magnetic Surfaces** (Allan Reiman)
- 1:25 Discussion
- 1:45 **Transport Assessment** (Dave Mikkelsen)
- 2:15 Discussion
- 2:30 Break
- 2:45 **Coil Flexibility and Profile Robustness** (Neil Pomphrey)
- 3:15 Discussion
- 3:30 **Investigations Of Discharge Evolution Scenarios for the Li383 Configuration**  
(Ed Lazarus)
- 3:55 Discussion
- 4:15 ***Project-Panel Discussion on FESAC PoP Issue***
- 5:00 ***FESAC PoP Subpanel Meeting***
- 6:00 **Light Reception at PPPL** (LSB Commons)
- 7:00 **Panel-Project Meeting to Discuss any Issues or Requests, Room LSB B-318**

**Tuesday, March 27, 2001**

- 8:00 **Panel-Project Meeting to Discuss any New Issues**, Room LSB-318.
- 8:30 **Ideal MHD Stability of NCSX** (Guo-Yong Fu)
- 8:55 Discussion
- 9:05 **EM Design and Resistive Stability** (Eric Fredrickson)
- 9:20 Discussion
- 9:30 **Coil Design to Achieve Physics Properties in NCSX** (Steve Hirshman)
- 9:50 Discussion
- 10:05 Break
- 10:20 **Power and Particle Control in NCSX** (Peter Mioduszewski, by phone)
- 10:40 Discussion
- 10:50 **NCSX Heating: Neutral Beam Injection** (Henry Kugel)
- 11:05 **RF Heating for NCSX** (Dick. Majeski)
- 11:20 Discussion
- 11:30 **A Plan for Diagnostic Implementation & Diagnostic Interface Issues** (Dave Johnson or Ken Young)
- 11:50 Discussion
- 12:00 **Lunch**
- 1:00 **NCSX Design Overview** (Brad Nelson and Phil Heitzenroeder)
- 1:30 Discussion
- 1:45 **NCSX Management, Budgets, Plans and Summary** (Hutch Neilson)
- 2:05 Discussion
- 2:30 - 6:00 Flexible Schedule
- Panel Deliberations and Report Writing
  - Follow-Up Presentations / Discussion As Needed
- 6:00 **Panel-Project Meeting To Discuss any Issues or Requests**, Room LSB B-318

**Wednesday, March 28, 2001**

8:00 **Panel-Project Meeting to Discuss any New Issues**, Room LSB-318.

8:30 - 3:00 Flexible Schedule

- Panel Deliberations and Report Writing
- Follow-Up Presentations / Discussion ss Needed
- Lunch
- Panel Preparation of Final De-Briefing

3:00 - 5:00 **Panel De-Briefing To Lab And Project**

- Panel Members Free To Leave (If They Desire).

5:00 **Adjourn**

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**Additional Breakout Rooms Available on Tuesday Afternoon and Wednesday => Director's Conference Room (LSB B-333) and the DOE Conference Room (LSB B-233)**

**Administrative Contacts:**

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