

**NCSX Teleconference Project Meeting  
September 26-27, 2000**

**Agenda (Rev. 1)**

**Goal**

- Update reference machine configuration based on LI383 and best coil topology.

**Participation Instructions**

- Visuals: Access [http://www.pppl.gov/ncsx/ncsxfss/Meetings/Project\\_Mtgs/project.html](http://www.pppl.gov/ncsx/ncsxfss/Meetings/Project_Mtgs/project.html)
- Audio: Call 609-243-3505. Participant code: 6789.

**Tuesday, September 26, 2000**

Overview of Plans and Schedule

- 9:30 NCSX Project Overview (G. Neilson)
- 9:50 Discussion

LI383 Coil Topology Optimization and Physics

- 10:00 LI383 Modular Option Developments (D. Strickler)
- 10:20 LI383 Saddle Option Developments (W. Miner)
- 10:40 Physics Evaluation of Coil Designs (L.-P. Ku)
- 11:10 Break
- 11:20 PIES Reconstructions from Coils (D. Monticello)
- 11:50 Discussion
- 12:30 Lunch
- 1:30 Island Manipulation Studies: Update (S. Hudson)
- 2:00 Targeting Good Surfaces in the Coil Design (R. Woolley)
- 2:20 Discussion

Modular and Saddle Coil Flexibility

- 2:30 Flexibility Comparisons: Overview and Results for Current Flattop (N. Pomphrey)
- 3:15 Break
- 3:30 Discussion
- 4:00 Eddy Current Timescale Considerations (E. Fredrickson)
- 4:15 Discussion
- by 5:30 Adjourn

**Wednesday, September 27, 2000**

Modular and Saddle Coil Flexibility, cont'd.

8:30 Startup Results for Modular and Saddle Options (E. Lazarus)

Machine Configuration Evaluations

9:30 Introduction (W. Reiersen)

9:40 Configuration of Saddle Coil Option (T. Brown)

10:20 Break

10:30 Configuration of Modular Coil Option (D. Williamson)

11:10 Access Evaluations (M. Cole)

11:40 Fabrication Issues (P. Heitzenroeder)

12:00 Reference Scenario Development (W. Reiersen)

12:20 Lunch

1:20 Winding Pack Design (B. Nelson)

1:40 Inductance Issues (A. Brooks)

2:00 Summary Comparison (B. Nelson)

2:40 Recommendation (W. Reiersen)

3:00 Discussion

3:30 Break

Power and Particle Handling

3:45 Overview of Concepts and Plan (P. Mioduszewski)

4:15 Edge Magnetic Field Structure Study (A. Grossman)

4:45 Limiter Concepts, Heat Load Estimates (J. Schmidt)

4:55 Discussion

Discussion and Plans

5:15 Continued discussion, plans.

by 5:30 Adjourn