

**NCSX Teleconference Project Meeting
November 13-14, 2000**

Agenda

Goals for This Meeting

- Confirm FY-2001 Project Plans.
- Establish physics design of modular coils.
- Update progress on trim coils.
- Establish physics constraints on machine size and field; alternate (R,B) design points.
- Update engineering development of the modular coils.
- Update power and particle handling requirements.

Participation Instructions

- Visuals: Access http://www.pppl.gov/ncsx/ncsxfss/Meetings/Project_Mtgs/project.html
- Audio: Call 609-243-3505. Participant code: 6789.

Monday, November 13, 2000

NCSX Project Status and Plans

- 10:00 NCSX Project Overview (G. Neilson)
- 10:20 Plans for the PVR (M. Zarnstorff)
- 10:40 Discussion

Physics Design of Coils for LI383

- 10:50 Island manipulation using coil perturbations (S. Hudson, D. Monticello)
- 11:10 Modular coil perturbations to improve surfaces (D. Strickler, L. Berry)
- 11:30 Reconstruction of physics properties from coils (M. Zarnstorff, L. P. Ku)
- 12:00 Discussion
- 12:30 Lunch

- 1:30 Flexibility Update (N. Pomphrey)
- 1:50 Initial exploration of trim coil topologies (A. Brooks)
- 2:10 Physics assessment of trim coils (D. Monticello)
- 2:30 Discussion
- 2:45 Break

- 3:00 Saddle Coils: progress update and plans (S. Hirshman)
- 3:15 Coil design recommendations and plans (S. Hirshman)
- 3:30 Discussion

Monday, November 13, 2000, cont'd.

Power & Particle Handling

- 4:00 Progress in Establishing Requirements (P. Mioduszewski, J. Schmidt)
- Status, t.b.d.'s, plan, concepts, schedule.
- 4:30 Expected particle and energy flows and implications (M. Fenstermacher)
- Report of visit to IPP-Garching
- 5:00 Discussion
- 5:30 Adjourn

Tuesday, November 14, 2000

Engineering

- 10:00 Engineering Plans
- 10:20 Requirements (W. Reiersen)
- 10:50 Break
- 11:00 Modular coil configuration development (D. Williamson)
- Status of structural design concept, incorporating trim coils
- 11:40 Modular option access considerations (M. Cole)
- 12:00 Discussion
- 12:30 Lunch
- 1:30 Saddle coil configuration development (T. Brown)
- Revised shell segmentation options
 - Incorporating trim coils
 - Support for stellarator core
- 2:00 Saddle option access considerations (M. Cole)
- 2:30 Discussion
- 2:45 Cabled conductor tests
- 3:15 Discussion
- 4:00 Adjourn