

NCSX Teleconference Project Meeting
March 23-24, 2000

Agenda

Purpose

- Assess progress toward project goals for FY-2000.
- Discuss strategy and plans for updating the NCSX design

Thursday, March 23, 2000

Overview of Strategy and Plans

- 8:30 NCSX Project Overview (G. Neilson)
- 9:00 NCSX Physics Overview (M. Zarnstorff)

Plasma Configuration Design and Transport

- 9:20 Configuration Development Strategy and Plan (A. Reiman)
- 9:40 Transport Benchmarking Studies (H. Mynick)
- 10:10 Break
- 10:20 Performance Evaluation, Design for Enhanced Confinement (M. Zarnstorff)
- 10:40 Discussion
- 1:00 Lunch

Equilibrium Codes: Status and Plans

- 2:00 VMEC (S. Hirshman)
- 2:20 PIES (A. Reiman)
- 2:40 Discussion

Plasma Configuration Design and Transport, cont'd.

- 3:00 Coil complexity measure for optimizer (N. Pomphrey)
- 3:20 Experience with improved optimizer (L.-P. Ku)
- 3:50 Discussion

Compact Stellarator Reactors

- 4:15 Reactor Studies (J. Lyon)
- 4:40 Discussion
- 5:00 Adjourn

Friday, March 24, 2000

Coil Design to Meet Physics Requirements

- 8:30 Targeting Flexibility, Good Surfaces in the Coil Design (S. Hirshman et al.)
- 8:50 Discussion

NCSX Machine Design: Coil Design

- 9:00 Overview of Coil Design Process (W. Reiersen)
- 9:15 Development of Coil Topology Options (W. Reiersen)
- 10:00 Discussion
- 10:15 Break

NCSX Machine Design: Update of the PBX Option

- 10:30 Overview (B. Nelson)
- 10:45 Coils (D. Williamson)
- 11:15 Design Criteria (B. Nelson)
- 11:45 Discussion
- 12:15 Lunch
- 1:00 Vacuum Vessel (P. Goranson)
- 1:30 Access (M. Cole)

- 2:00 Discussion/Wrap-Up
- by 3:00 Adjourn