

NCSX Teleconference Project Meeting
May 16-17, 2000

Agenda

Purpose

- Assess progress toward project goals for FY-2000:
 - updated plasma configuration by June 1
 - updated machine configuration by Sept. 1.

Tuesday, May 16, 2000

Overview of Plans and Schedule

- 9:30 NCSX Project Overview (G. Neilson)
- 9:50 NCSX Physics Overview (M. Zarnstorff)
- 10:10 Discussion

Plasma Configuration Design

- 10:25 Configuration Development Introduction (A. Reiman)
- 10:30 High-Iota Approach (L. Ku)
- 11:15 Break
- 11:30 Improving-C82 Approach (C. Kessel)
- 12:00 Discussion
- 12:30 Lunch

Plasma Configuration Design, cont'd.

- 1:00 Free-Boundary Natural Function Approach (N. Pomphrey)
- 1:30 Discussion

Equilibrium Codes and Magnetic Surfaces

- 1:45 VMEC Developments (S. Hirshman)
- 2:45 PIES (D. Monticello)
- 3:45 Break
- 4:00 Discussion
- by 5:00 Adjourn

Wednesday, May 17, 2000

NCSX Coil Topology Studies

- 8:30 Overview of Candidate Options (W. Reiersen)
- 9:15 Modular Coils (D. Strickler)
- 9:45 Discussion
- 10:15 Break
- 10:30 Properties of Reconstructed Plasmas (A. Brooks)
- 11:00 Discussion
- 11:15 Background Coil Design (P. Heitzenroeder)
- 11:45 Cost Considerations (B. Nelson)
- 12:15 Discussion
- 12:30 Lunch

- 1:30 Machine Configuration Design (T. Brown, M. Cole)
- 2:15 Design of Close-Fitting Coils and Structures (D. Williamson)
- 2:45 Discussion: Issues and Near-Term Plans (W. Reiersen)
- 3:15 Break
- 3:30 General Discussion
- by 5:00 Adjourn