

Day 1 – Introduction, Physics Design, System Requirements

8:00 Review Panel Closed Session

9:00 Welcome (Hawryluk)

9:15 CDR Objectives and Overview (Neilson)

- What are our objectives for the CDR
- What are we going to tell them (introduce agenda and summarize highlights)

10:15 BREAK

10:30 Mission Objectives and Experimental Plan (Zarnstorff et al)

- Explain mission objectives
- Summarize physics design and how it supports mission objectives
- Present experimental plan

12:00 LUNCH

1:00 Engineering Overview (Reiersen)

- Project scope (WBS) and organization
- Acquisition plan
- Requirements (GRD)

2:00 BREAK

2:15 Stellarator Core Design Overview

- Core configuration
- Access for diagnostics, heating, in-vessel maintenance
- Assembly features

4:00 Review Panel Closed Session

5:00 ADJOURN

Day 2 – Breakout Sessions for Subsystem Design and Project Management

8:00 Review Panel Closed Session

Breakout Session A – Vacuum Vessel and PFCs

(Concurrent with Session B)

9:00 Vacuum Vessel Design

- Design Requirements
- Design Description (including discussion of assembly and maintenance and key trade studies to arrive at reference design)
- Supporting Analyses
- Manufacturability (summarize findings of manufacturing studies)
- Acquisition Plan, Upgrade Plans, Schedule, and Cost (WBS 11)

10:30 BREAK

10:45 PFC Design

- Design Requirements
- Design Description (including discussion of assembly and maintenance and key trade studies to arrive at reference design)
- Supporting Analyses

- Manufacturability (summarize findings of manufacturing studies)
- Acquisition Plan, Upgrade Plans, Schedule, and Cost (WBS 12)

Breakout Session B – Project Management and Management Systems

(Concurrent with Session A)

- 9:00 Project Execution Plan Issues
- Project Baselines and Change Control
 - Project Management and Control Systems
 - Funds Management
 - Risk Management
 - Acquisition Strategy
 - Document Control
- 9:45 Systems Engineering Plan Issues
- 10:30 BREAK
- 10:45 ES&H and QA
- ISM (including cost considerations)
 - NEPA Process
 - Work Planning, JHA
 - QA
- 11:15 Project Management and Support (WBS 8) Cost & Schedule
- 12:00 LUNCH

Breakout Session C – Magnet Systems and Power Supplies

(Concurrent with Session C)

- 1:00 Magnet Systems and Support Structure Design (continued)
- Design Requirements
 - Design Description (including discussion of assembly and maintenance and key trade studies to arrive at reference design)
 - Supporting Analyses
 - Manufacturability (summarize findings of manufacturing studies)
 - Acquisition Plan, Upgrade Plans, Schedule, and Cost (WBS 1 outside of WBS 11 and 12)
- 3:00 BREAK
- 3:15 Machine Assembly and Preparations for Operations
- Design Requirements
 - Design Description (including discussion of assembly and maintenance and key trade studies to arrive at reference design)
 - Supporting Analyses
 - Acquisition Plan, Upgrade Plans, Schedule, and Cost (WBS 7 and 9)

Breakout Session D – Other Subsystems

(Concurrent with Session C – follow same format as Magnet Systems)

- 1:00 Auxiliary Systems (WBS 2)
- 1:45 Diagnostics (WBS 3)
- 2:30 Electric Power (WBS 4)

3:15 BREAK

3:30 Central I&C (WBS 5)

4:00 Review Panel Closed Session

5:00 ADJOURN

Day 3 – Cost & Schedule

8:00 Review Panel Closed Session

9:00 Site Preparation and Facilities (WBS 6)

9:45 BREAK

10:00 Cost and Schedule (Simmons)

11:30 Project Summary (Neilson)

12:00 LUNCH

1:00 Review Panel Closed Session

4:30 Review Panel De-Brief

5:00 ADJOURN