

INTRODUCTORY REMARKS

MOHAMED ABDOU

FINESSE MEETING
25-26 NOVEMBER 1985

MEETING TOPICS

1. FY'86 PLAN
2. COMPLETING AND ISSUING FINESSE PHASE I REPORT
3. TECHNICAL PLAN FOR BLANKET, TRITIUM (AND TO SOME EXTENT, PIC)

FY'86 FINESSE EFFORTS

A) COMPLETE PHASE I PLAN FOR BLANKET

- EXPERIMENTS & FACILITIES FOR 1985-2000
- TECHNICAL LOGIC
- (INTERFACE FOR TWP AND TPA)

B) ANALYTIC MODELLING FOR BLANKET

- DEVELOP ANALYTICAL CAPABILITIES IN SELECTED AREAS
- USE MODELS TO FURTHER UNDERSTANDING OF PHENOMENA AND TO PLAN EXPERIMENTS
- INVESTIGATE MODELLING NEEDS

AGENDA

November 18, 1985

FINESSE Executive Committee meeting/workshop

November 25-26, 1985

Sierra Room, Faculty Club, UCLA

Monday November 25

8:30 - 9:30	M. Abdou	Overview and meeting objectives
9:30 - 10:10	D.K. Sze	LM experiments/test plan considerations
10:10 - 10:20		break
10:20 - 11:00	M. Tillack	LM experiments/test plan considerations
11:00 - 12:00		Discussion of experiments and strategies*
12:00 - 1:30		lunch
1:30 - 2:00	P. Gierszewski	SB experiments/test plan considerations
2:00 - 2:30	R. Puigh	SB experiments/test plan considerations
2:30 - 3:15	C. Johnson	International SB experiment programs
3:15 - 3:30		break
3:30 - 6:00		Discussion of experiments and strategies*
		Dinner/discussion?

Tuesday November 26

9:00 - 10:30	R. McGrath	Test plans and strategies for PIC*
10:30 - 10:45		break
10:45 - 12:15	J. Bartlit	Test plans and strategies for tritium*
12:15 - 1:30		lunch
1:30 - 4:00	M. Abdou	Discussion of test plans and experiments*
		Define tasks for FINESSE FY86

* It is important to define, in this workshop, major facilities and experiments according to purpose, general parameters and capabilities, cost, startup date and duration, particularly for major 1987/88 experiments.

FY'86 FINESSE EFFORTS (CONT'D.)

- C) IMPACT ON FNT EXPERIMENTS AND FACILITIES OF NON-ELECTRIC APPLICATION

- D) PIC: APPLY FINESSE PROCESS ONLY IN SELECTED AREAS (NUCLEAR TECHNOLOGY RELATED; E.G., LIMITER/DIVERTOR COOLING WITH LIQUID METALS)

- E) CONTINUE WORK WITH OTHERS TO ENCOURAGE EXPLORING CONCEPTS AND IDEAS FOR FUSION DEVELOPMENT FACILITIES

FY'86 ORGANIZATIONAL PARTICIPATION

- PRIMARY

UCLA

ANL

HEDL

TRW

LANL

- SUPPORT FROM SANDIA, MDAC, GRUMMAN AND OTHER ORGANIZATIONS IS ENCOURAGED

- PARTICIPATION BY SCIENTISTS/ENGINEERS FROM CANADA, JAPAN, AND EC

"DRIVING EVENTS/ACTIVITIES"

TWP (FIRST WEEK OF MARCH)

- MEETING DEVOTED TO FUSION NUCLEAR TECHNOLOGY
- NEED TO COMMUNICATE WITH OTHER COUNTRIES PRIOR TO THE MEETING (DR. MELVIN GOTTLIEB, LEADER)
- FINESSE - RELATED ASPECTS ARE CENTRAL TO THE MEETING
- NEED ALL POSSIBLE INFORMATION

BRIEFING TO DR. J. CLARKE (18 DECEMBER)

- SUMMARY OF FINESSE RESULTS
- U.S. PREPARATION FOR TWP
- U.S. PLAN/INITIATIVES FOR FNT

TPA

- RELIES ON FINESSE RESULTS

NEEDED/URGENT

- TECHNICAL PLAN (FACILITIES, EXPERIMENTS, TECHNICAL LOGIC)
 - MAIN FEATURES TO BE FINALIZED 25-26 NOVEMBER
 - FINALIZE: 10 DECEMBER
(ABDOU/BAKER/SZE/GIERSZEWSKI/TILLACK/OTHERS MEET AT UCLA, 10-11 DECEMBER)

- EXECUTIVE SUMMARY OF FINESSE FINISHED BY 11 DECEMBER

- FINESSE REPORT (INCLUDING TECHNICAL SUMMARY)
 - SEND TO PRINTER 16 DECEMBER
 - SELECTED MAILING LIST: 19 DECEMBER

- SUMMARY OF PRESENT U.S. ACTIVITIES FOR:
 - SOLID BREEDERS
 - LIQUID METALS
 - TRITIUM
(BY 15 JANUARY)