

8th Steady State Operation ITPA Topical Group meeting
San Diego, USA, October 31st to November 3rd, 2005

Monday 31st of October 2005 (Note: US changes to standard time on Sunday (3am→2am))

08:30 Register at the main gate

*09:00: **Start of the meeting, Room 07/120: Chair Sips***

- Approval of the agenda
- Short summary of the ITPA CC meeting: G. Sips
Priorities for 2005-2006
- Physics Issues in ITER M. Shimada

10:00-10:30 Coffee break

*10:30-12:15 **Status and plans of joint experiments: Chair Ide***

(Mainly SSO-1.1, SSO-1.2, SSO 1.3, SSO-2.1, SSO-2.2, SSO-2.3)

- JT-60U status and new analysis S. Ide
- AUG Hybrid studies G. Sips
- Analysis of DIII-D data: Hybrids P. Politzer
- Analysis of DIII-D data: AT operation M. Murakami
- NSTX Long Pulse Discharges C. Kessel
- Approaching Hybrid Operation

12:15-13:30 Lunch

*13:30-15:30 **Status of joint experiments: Chair Luce***

(Future plans, reports, publications)

- JET plans for 2006: Hybrid and Steady state E. Joffrin
- MHD reports: DIII-D: MHD in Hybrids P. Politzer
- MHD reports: DIII-D: role of 3/2 tearing modes C. Petty
- Priorities for 2006
- Specific reports: Future publications (IAEA)

15:30-16:00 Coffee break

*16:00 – 17:30 **Collaboration with other ITPA groups: Chair Sips***

- CDBM: NF paper, CD Benchmark, modelling, database W. Houlberg
- TP: Experiments, analysis, summary of activities E. Doyle

17:30: End of first day

Tuesday 1st of November 2005

9:00 – 10:30: Actuators and modelling: Chair Prater

- Discussion of ICRF Code Benchmarking for ITER: AORSA and TORIC P. Bonoli
- Progress in benchmarking RF codes and status of LHCD Current Drive Models for ITER P. Bonoli
- NB CD (hardware capability of NB) and modelling of NB CD (benchmarking with ACCOME) T. Oikawa
- RF code developments at CEA G. Giruzzi

10:30 – 11:00 Coffee break

11:00 – 12:15: Actuators and modelling: Chair Tucillo

- LHCD in an ITER steady state scenario (LHCD capability in ITER and LH launcher designs for ITER) T. Oikawa
- ICRF benchmarking, ECRH modelling in DIII-D A. Zvonkov
- EC code benchmarking R. Prater
- Discussion of tasks to be done

12:15-13:30 Lunch break

- Meeting of small working groups to discuss tasks and coordination in 2006 (meeting rooms to be announced)
 - (1) RF code benchmarking (Zvonkov)
 - (2) Real-time control (Joffrin)
 - (3) Modelling of ITER scenarios (Giruzzi)
 - (4) Joint experiments (Luce)

15:30-16:00 Coffee break

16:00 – 17:30 Joint experiments – Pedestal SSO-4: Chair Joffrin

- Pedestal reports: AUG documentation of edge pedestal G. Sips
- Pedestal reports: DIII-D report on edge pedestal R. Groebner
- Pedestal reports: report from PEP ITPA group S. Ide

17:30: Reception at GA (GA cafeteria)

Wednesday 2nd of November 2005

9:00 – 10:30 Modelling of ITER advanced scenarios: Chair Bonoli

- Simulations of ITER Hybrid Scenario C. Kessel
- CRONOS simulations of ITER hybrid scenarios G. Giruzzi
- Update of ITER AT simulations using the GLF23 model M. Murakami

10:30 – 11:00 Coffee break

11:00 – 12:15 Modelling of ITER advanced scenarios: Chair Zvonkov

- Status of ITER AT simulations by TASK code S. Ide
(A. Fukuyama)
- Common input, guidelines for modelling tasks, actions G. Sips
- Feedback from working group on Tuesday G. Giruzzi

12:15-13:30 Lunch

13:30-14:00 IEA meeting

- Feedback and discussion of IEA meeting G. Sips

14:00-15:30 Reports on Plasma control: Chair Giruzzi

- DIII-D current profile control experiments J. Ferron
- Combining the PCS simulator and CORSICA B. Meyer
- JET plans for real-time control E. Joffrin
- European workshop on RT control E. Joffrin

15:30-16:00 Coffee break

16:00-17:30 Reports on Plasma control: Chair Kessel

- Other experiments (JT-60U, AUG, TS, KSTAR) Various
- Discussion of tasks to be done (30 mins)
- Feedback from working group on Tuesday E. Joffrin

17:30: End of third day

Evening: dinner with the group (Seafood: Poseidon Restaurant)

Thursday 3rd of November 2005

9:00 – 10:30 **Reports: Experiments, RF codes, TPB: Chair Ide**

- Feedback from working group: Joint experiments T. Luce
- Feedback from working group: RF code benchmarking A. Zvonkov
- **TPB:** Status and submission S. Ide
- Current Status and plans for KSTAR Y-S Na

10:30 – 11:00 *Coffee break*

11:00 – 12:00 **Final session: Chair Sips**

- Final discussion
- Actions, summary of the meeting
- Next meetings (Japan. China) G. Sips, S. Ide

12:00 *Lunch break & **End of the meeting***

**Participants to 8th Steady State Operation ITPA Topical Group meeting
San Diego, USA, October 31st to November 3rd, 2005**

EU

G. Giruzzi
E. Joffrin
B. Lloyd (Monday only)
G. Sips
A. Tuccillo

Japan

K. Hanada
S. Ide
T. Oikawa
M. Shimada (ITER IT)
T. Suzuki

Korea

Y.-S. Na

RF

A. Zvonkov

US

DIII-team: Many, among them: T. Luce, P. Politzer, M. Murakami, R. Prater,
J. Ferron, C. Petty, B. Meyer, R. Groebner

P. Bonoli
W. Houlberg (Monday only)
C. Kessel