

5th Meeting of the ITPA Confinement Database & Modeling Topical Group
29 September – 2 October, 2003
General Atomics
San Diego, CA, USA

Monday, 19 September

(Global DB and Modeling meet together all am)

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| 08:45-10:30 | Introductory Session (Rm 07-120)
Welcome
CDBM TG Business – Agenda, meeting objectives,
High Priority Topics, Electronic Working Group on
Control, next year's meetings, annual report, etc. | J. DeBoo
J. DeBoo
W. Houlberg |
| 10:30-10:45 | Coffee break | |
| 10:45-12:30 | TPB Chapter 2 (Rm 07-120)
Generate outline of coverage of CDBM Sections | W. Houlberg |
| 12:30-13:30 | Lunch | |
| (Global DB and Modeling meet together all pm with
coffee break at 15:30) | | |
| 13:30-17:15 | Status and Plans of Joint Collaborations (Rm 07-120)
Joint DIII-D/JET beta scaling experiments
The scaling of the energy confinement with beta
from the multimachine database DB3v12
Update on NSTX global confinement, local transport
and L-H thresholds
Other status reports
Discussion of extensions and new projects | G. Cordey
C. Petty
G. Cordey

S. Kaye |
| 17:30- | Reception | |

Tuesday, 30 September

(Parallel Global DB and Modeling sessions all am with coffee break at 10:30)

08:45-12:30	Global DBs: H-mode Workshop papers (Rm 07-215) (Assess what needs to be done to finalize each of the following papers the group has contributed to) On the role of dimensionless parameters in global confinement ... Roles of aspect ratio, absolute B and effective Z for the H-mode power threshold ... Similarity in H-mode energy confinement: should ν^* or n/n_{limit} be kept fixed? Non-dimensional parameter experiments on ELMs H-mode energy confinement in JET Dimensionless pedestal identity experiments in JT-60U and JET in ELMs H-mode plasmas	J. DeBoo K. Thomsen/ O. Kardaun T. Takizuka C. Petty D. McDonald/ G. Cordey G. Saibene/Cordey
08:45-12:30	Modeling: Status & Plans of Projects (Rm 07-120) Profile Database news Benchmark test of transport codes and models as an activity of Burning Plasma Initiative in Japan New JET and ITER ELMs submissions to the ITPA Profile Database Comparisons of predictive models and measurements for ELMs plasmas Discussion, database needs, plans for publication, ... Recent DIII-D Submission of Profile Datasets and Relevance to CDBM Activities	M. Murakami C. Roach M. Yagi R. Budny R. Budny M. Murakami
12:30-13:30	Lunch (Parallel Global DB and Modeling sessions all pm with coffee break at 15:30)	
13:30-17:30	Global DB: H-mode (Rm 07-215) Status of the H-mode confinement database Power threshold of ECH H-mode plasmas in JT-60U Discussion, work on H-mode papers, analysis, ...	K. Thomsen K. Thomsen Y. Miura
13:30-17:30	Modeling: Te/Ti Effect on Transport (Rm 07-120) Status of model testing on hot ion plasmas and the transition to hot electron plasmas Dependence of stiffness as a function of the Te/Ti ratio Tore Supra contribution to the analysis of the Te/Ti effect Modeling results of H-modes with and without ECRH On AUG Effects of Te/Ti on transport in D-III-D Discussion, database needs, plans for publications, ...	J. Weiland J. Weiland F. Imbeaux F. Imbeaux J. Weiland (for A. Manini) G. McKee

Wednesday, 1 October

(Joint ITB, Ped, CDBM session all am with coffee break at 10:30)

08:45-12:30	TPB Chapter 2 – (Rm 07-217) Transport & ITB Pedestal & Edge Physics Confinement Databases & Modeling	E. Doyle E. Doyle Y. Kamada W. Houlberg
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12:30-13:30 Lunch

(Parallel Global DB and Modeling sessions all pm with coffee break at 15:30)

13:30-16:30	Global DB: L-mode DB, working (Rm 07-215) Global L-mode databases status and plans L-mode vs H-mode Confinement Discussion, work on H-mode papers, analysis, ...	T. Takizuka F. Imbeaux O. Kardaun
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13:30-16:30	Modeling: Status and Plans of Projects (Rm 07-120) Core plus edge modeling studies Steady-state scenarios Discussion of joint projects with other TGs, database needs, publications, ...	A. Polevoi A. Kritz T. Casper
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16:30-17:30 Summary session (Rm 07-120)

Thursday, 2 October

(Parallel Joint Sessions all am with other TGs and coffee break at 10:30)

*08:30-10:15	Joint Modeling and ITB session: Profile Database (Rm 07-120) Working session to demonstrate access, submission, retrieval, tools, * note the earlier start time	C. Roach
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09:00-10:30	Joint Global DB and Pedestal Session (Rm 15-224) Joint efforts, Saibene H-mode paper, etc	Y. Martin
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10:30-12:00	Joint Modeling and Ped database session (Rm 07-120) Working session to demonstrate access, submission, retrieval, tools, ...	C. Roach
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10:45-12:30	Global DB: Working Session (Rm 07-215) Discussion, work on H-mode papers, analysis, ...	Y. Martin
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12:30-13:30 Lunch

Thursday afternoon

13:30-16:00 Joint Modeling and ITB Session (Rm 15-019)

P. Gohil

Detailed discussion of data submission, needed data sets
(rotation, impurity, ...), specific modeling tasks, etc
OD Variable Differences in PDB and ITB DB

F. Imbeaux

