

10th Meeting of the ITPA Confinement Database & Modeling Topical Group
24-27 April, 2006, Princeton, NJ
Version r4, 21 April

Monday, 24 April

08:30-08:50	Registration	
08:50-10:00	Joint Plenary Session: Introduction (MBG Aud)	S.M. Kaye
08:50	Welcome	R.J. Goldston
09:00	Meeting logistics	S.M. Kaye
09:10	ITER Physics Issues	M. Shimada
09:40	Transport Physics TG agenda	E.J Doyle
09:50	Confinement Database & Modeling TG agenda & TPB Update	W.A. Houlberg
10:00-10:15	Coffee Break	
10:15-12:00	Joint Plenary Session: Future meetings and directions (MBG Aud)	E.J. Doyle
	Plans for 11 th meeting after IAEA	Z. Cui
	Proposals for 12 th meeting, spring 2007	
	Discussion of future organization and directions under ITER	W.A. Houlberg
12:00-13:00	Lunch	
13:00-15:00	All CDBM: Progress on ITPA/IEA collaboration experiments (LSB318)	T. Takizuka
	Status of the beta scaling studies at ASDEX Upgrade	F. Ryter
	Proposed JET 2006 confinement experiments: ρ^* , v^* , β , ...	D.C. McDonald
	β scaling in Tore Supra L-mode experiments	F. Imbeaux
	Other contributions	All
	Updated status of collaborations	W.A. Houlberg
15:00-15:15	Coffee Break	
15:15-17:00	Global DB WG: Status of Global DBs (LSB318)	K. Thomsen
	Status of L-mode DB	F. Imbeaux
	Status of H-mode DB	K. Thomsen
	Status of L-H Threshold DB	Y. Martin
	Plans for new data submissions, publications, working sessions	All
15:45-17:00	Joint Modeling WG/TP: on Profile DB (MBG Aud)	W.A. Houlberg
	Status of Profile DB	C.M. Roach/WAH
	Update on ITB Database status	F. Imbeaux
	IAEA paper plans/status	R. Budny
	Status of resubmissions for TFTR and JET	R. Budny
	Publication & release of new PDB	All
	Discussion of extensions to PDB	All
17:15-17:45	WG on Rotation and Momentum Transport (RMTWG) (MBG Aud)	J. Rice
	- establishment and aims	
	Introduction, objectives	E. Doyle
	General comment	All

Tuesday, 25 April

08:30-10:30	Global DB WG: H-mode results (LSB318) Recent H-mode confinement results from NSTX AUG contributions to ITPA-DB H-mode confinement after installation of ferritic steel tiles in JT-60U DIII-D Hybrid data New MAST confinement data and the effects of pellet fuelling Discussion	D.C. McDonald S.M. Kaye F. Ryter H. Takenaga J.C. DeBoo M. Valovic
	Modeling WG: RMTWG session - spontaneous rotation (MBG Aud) Spontaneous rotation as an off-diagonal term of momentum transport Plasma rotation and momentum transport studies at JET Overview of spontaneous plasma rotation with ICRH and/or LHCD in Tore Supra Discussion	T. Fujita K. Ida P. de Vries C. Fenzi-Bonizec
10:30-10:45	Coffee Break	
10:45-12:30	Global DB WG: H-mode Working session (LSB318) Discussion of experiments and analysis of β , v^* , ... effects	F. Ryter All
	Modeling WG: RMTWG session - intrinsic rotation (MBG Aud) Intrinsic rotation in DIII-D and a similarity expt with C-Mod Intrinsic rotation in Alcator C-Mod Spontaneous stationary plasma rotation in TCV L-mode Discussion	M. Peng J. deGrassie J. Rice A. Scarabosio
12:30-13:30	Lunch	
13:30-15:00	Global DB WG: L-H Threshold and L-Mode Working Session (LSB318) Discussion of analyses, publication plans	Y. Martin All
	Modeling WG: New Transport Model Validation (LSB252) Introductory comments Lessons learned from earlier studies Comments on stiffness Comments from model perspective Comments from transport code perspective Generation of realistic testing plan	G. Bateman W.A. Houlberg D.R. Mikkelsen J. Weiland All All
15:00-15:15	Coffee Break	
15:15-17:00	Global DB WG: Working Session (LSB318) Data submissions, analysis, publications, ...	K. Thomsen All
	Modeling WG: ITER Simulations (LSB252) Some guidelines for ITER simulations ITER Hybrid simulations with CRONOS ITER Hybrid simulations ITER Hybrid and standard H-mode simulations ITER standard H-mode simulations with BALDUR	A. Polevoi A. Polevoi F. Imbeaux J.M. Park R. Budny A. Kritz

Discussion

Wednesday, 26 April

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| 08:30-10:30 | International Modeling: US and EU Efforts (LSB318)
Introduction, objectives
US – SWIM
CPES
PTRANSP
EU – ITM activities and achievements
Data structures
Discussion | A. Fukuyama
W. Houlberg
D. Batchelor
C.S. Chang
D. McCune
P. Strand
F. Imbeaux |
| 10:30-10:45 | Coffee Break | |
| 10:45-12:30 | International Modeling: Japan and Korea Efforts (LSB318)
Japan – TASK
JAEA effort?
Korea – Korean modeling effort and the C2 code
Global particle simulation of ICRH driven rotation
Discussion | F. Imbeaux
A. Fukuyama
T. Takizuka
J.M. Park
J. Kwon |
| 12:30-13:30 | Lunch | |
| 13:30-15:00 | International Modeling: ITER and ITPA Perspective (LSB318)
Discussion – ITER and ITPA needs
Gaps in capabilities of existing projects
How ITPA may be used as an umbrella for
collaborations and communication | W. Houlberg
All |
| 15:00-15:15 | Coffee Break | |
| 15:15-17:00 | International Modeling: Collaborative Opportunities (LSB318)
Standards for physics module interfaces
Assembling data for model validation, verification, benchmarking
Establishing reference ITER cases for analysis
Other | D. Batchelor
All |

Thursday, 27 April

08:30-10:30	Modeling WG: Working Session (LSB252) Further discussion of modeling efforts Preparation of session summaries and report on intl modeling effort	A. Polevoi All All
	Global DB WG: Working Session (LSB318) Discussion of IAEA papers Preparation of session summaries	K.Thomsen All
10:30-10:45	Coffee Break	
10:45-12:00	CDBM: Closing Session (LSB318) Future meetings Session summaries	W. Houlberg All
12:00	Adjourn	