

DRAFT agenda for 11TH ITPA SOL/divertor meeting Nagasaki

11th ITPA meeting on SOL/divertor physics, September 15-18, 2008					
Hotel New Urakami, Nagasaki, Japan					
Hosted by T. Tanabe, M. Sakamoto, Kyushu University, Fukuoka					
Day	Session	Start time	Duration	Speaker	Topic/title
Monday					
	0	8:30	0:10	Tanabe/Sakamoto	Welcome and meeting details (lunches, dinners,....)
		8:40	0:20	B. Lipschultz	ITPA re-organization and high-priority requests
	1	Fuel retention : Ongoing work for ITER predictions. Chair : R. Pitts			
		9:00	0:10	Chair	Introduction
		9:10	0:25	B. Lipschultz	MIT meeting : summary
		9:35	0:20	A. Kallenbach	Wall fluxes
		9:55	0:20	D. Whyte / B. Wamp	Effect of neutron damage on retention
		10:15	0:20	R. Doerner	D fraction in Be, W and C codeposits : results from PISCES and assumptions for ITER
		10:35	0:20	Coffee Break	
		10:55	1:00	Chair	Discussion : how to proceed further
	2	Fuel retention : H level in today's tokamaks Chair : V. Kurnaev			
		11:55	0:15	R. Pitts	Importance for ITER (gas balance measurements in H phase, impact on cryopump design etc)
		12:10	0:15	E. Tsitrone	H level in Tore Supra
		12:25	0:15	T. Nakano	H level in JT60-U
		12:40	0:15	B. Lipschultz	H level in C-Mod
		12:55	1:30	Lunch	
		14:25	0:15	P. West	H level in DIII-D
		14:40	0:15	J. Hu	H level in EAST
		14:55	0:15	S. Brezinsek	H level in JET
		15:10	0:45	Chair	Discussion
		15:55	0:20	Coffee Break	
	3	Fuel retention in carbon. Chair : T. Tanabe			
		16:15	0:10	Chair	Introduction
		16:25	0:20	E. Tsitrone	Reconciling particle balance and post mortem analysis : update on the DITS project
		16:45	0:20	M. Yoshida	Hydrogen isotope retention in the JT-60U first wall
		17:05	0:10	S. Lisgo	Gas balance measurements in MAST
		17:15	0:20	S. Brezinsek	Fuel retention in JET under varying plasma conditions
		17:35	0:20	P. West	Gas balance measurements in DIII-D
		17:55	0:20	V. Kurnaev	Features of hydrogen and/or oxygen retention in CFC and layers deposited in tokamaks
		18:15			Get together organized by local scientists (each person pays, not provided by organizers)

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Day	Session	Start time	Duration	Speaker	Topic/title
Tuesday					
		8:30	0:20	K. Ohya	Modeling of hydrocarbon transport and redeposition in gaps
		8:50	0:20	N. Ashikawa	Hydrogen concentration of co-deposited carbon film produced in the vicinity of Local Island D
		9:10	0:45	Chair	Discussion on fuel retention in carbon
	4	Fuel retention in metals Chair : B. Lipschultz			
		9:55	0:10	Chair	Introduction
		10:05	0:20	Y. Ueda	D behavior in damaged W by high energy ion beam
		10:25	0:20	G. Van Rooj	retention in W under ITER-level fluxes
		10:45	0:20	A. Haasz	Retention in W at high fluence
		11:05	0:20	Coffee Break	
		11:25	0:20	N.Yoshida	Secondary defect formation in W by high energy particles
		11:45	0:20	Hoshihira/Tanabe	Hydrogen retention and Blistering in Mo and W
		12:05	0:20	D. Kato	Hydrogen trapping by vacancies in bulk tungsten crystals.
		12:25	0:20	M. Sakamoto	Dynamics of D retention in co-deposition of Mo in TRIAM
		12:45	0:40	Chair	Discussion on fuel retention (metal + carbon if needed)
		13:25	1:30	Lunch	
	5	Campaign-integrated dust production and corresponding erosion. Chair : G. Counsell (backup - Pitts)			
		14:55	0:10	Chair	Introduction
		15:05	0:20	R. Pitts	Introduction and ITER dust strategy
		15:25	0:15	P. West	Campaign integrated dust and erosion : DIII-D
		15:40	0:15	B. Lipschultz	Campaign integrated dust and erosion : C-Mod
		15:55	0:15	E. Tsitrone	Campaign integrated dust and erosion : TS
		16:10	0:15	J. Hu	Campaign integrated dust and erosion - EAST
		16:25	0:20	Coffee break	
		16:45	0:15	A. Kallenbach	Campaign integrated dust and erosion : AUG
		17:00	0:15	A. Kreter	Campaign integrated dust and erosion : Textor
		17:15	0:15	N. Asakura	Campaign integrated dust and erosion : JT-60U
		17:30	0:15	S. Brezinsek	Campaign integrated dust and erosion: JET
		17:45	0:45	Chair	Discussion on dust production
	adjourn	18:30			

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Day	Session	Start time	Duration	Speaker	Topic/title
Wednesday					
	6	Dust mechanism, effects and dynamics, Chair : G. Counsell (backup S. Brezinsek)			
		8:30	0:20	E. Tsitrone	Dust as an operational limit : TS operation before/after PFCs cleaning
		8:50	0:20	W. Fundamenski	Dust transport modelling for ITER using the DTOKS code
		9:10	0:15	S. Krasheninnikov	On analysis of dust observations with fast cameras: threshold, plume vs thermal radiation
		9:25	0:15	Pigarov/Krashenin	Coupled plasma-wall modeling with WALL-PSI code
		9:40	0:20	N. Ashikawa	Dust movement analysis in LHD and its dynamics
		10:00	0:20	V. Kurnaev	Dust formation under simulation of high heat loads at ITER transient events
		10:20	0:40	Chair	Discussion
		11:00	0:20	Coffee Break	
	7	Wall transient thermal loads : Chair : M. Shimada			
		11:20	0:10	Chair	Introduction
		11:30	0:20	W. Fundamenski	ELM size variation of wall loads in JET and ITER, statistical predictions for ITER
		11:50	0:20	M. Fenstermacher	Mitigated ELMs : RMP in D3D
		12:10	0:20	A. Kallenbach	Mitigated ELMs - pellets in AUG
		12:30	0:35	Chair	Discussion on ELMs
		13:05	1:40	Lunch	
		14:45	0:20	Whyte	Summary of Cadarache meeting on runaway electrons
		15:05	0:15	Pautasso/Kallenbach	radiation pattern/time scales during disruptions (AUG/JET)
		15:20	0:15	Reinke/Whyte	radiation patterns & timescales during disruptions (C-Mod)
		15:35	0:15	R. Pitts for TCV	disruptions in TCV (tbc)
				E. Tsitrone	gas penetration during disruption mitigation
		15:50	0:30	Chair	Discussion on disruptions
		16:20	0:20	Coffee Break	
	8	Next meeting & high priority tasks (Chair - B. Lipschultz)			
		16:40	1:00		Next meeting & topics
	9	IEA/ITPA collaborations (Chair - B. Lipschultz)			
		17:40	0:45		Discussion of new IEA/ITPA proposals
	adjourn	18:25			
					Dinner organized by local scientists (each person pays, not provided by organizers)

