

**Agenda for the 8th Meeting of the ITPA Edge and Pedestal Physics Topical Group**

**18-21 April, 2005  
Kyoto University  
Kyoto, Japan**

18th				Summary for TG	Session Chair	
09:30	5min	Kyoto University	Welcome	Three TGs	Kamada	Fukuyama
09:35	10min	E. Doyle	Transport Physics TG agenda			
09:45	10min	Y. Kamada	Pedestal TG agenda			
09:55	10min	W. Houlberg	Confinement Database & Modeling TG agenda & TPB status			
10:05	30min	K. Itoh	Paradigm shift in transport theory			
10:35	40min	J-M. Kwon	Current status of Korean fusion program			
11:15	5min	A.Fukuyama	Meeting logistics			
11:20			COFFEE			
11:40	10min	A.Leonard	Motivation	type I ELM dynamics	Leonard	Toi
11:50	30min	A.Leonard	A summary of ELM dynamics observations in DIII-D			
12:20	25min	L.Horton	a "brief but comprehensive" summary of Type I ELM dynamics in AUG			
12:45			LUNCH			
14:00	25min	A.Kirk	A comparison of the spatial structure of ELMs on MAST and ASDEX Upgrade			
14:25	25min	G.Saibene	Type I ELM dynamics in JET			
14:50	25min	M. Becoulet	Magnetic measurements during ELMs mainly on JET (ELM time for Type I and Type III (high, low density toroidal localisation and rotation of ELMs at high			
15:15	25min	N.Oyama	Type I ELM dynamics in JT-60U			
15:40			COFFEE			
16:00	25min	G.Saibene	small ELM experiments in JET	small ELMs	Oyama	Kirk
16:25	25min	N.Oyama	small ELM characteristics in JT60U and Effects of plasma rotation and toroidal ripple on ELM characteristics and confinement properties			
16:50	25min	H. Wilson	Ideal MHD Stability of Transport Barriers	stability Theory	Wilson	Wilson
17:15	20min	N.Aiba	Numerical analysis of ideal MHD stability of tokamak edge plasma with Newcomb equation			
17:35	30min	All (Wilson)	Discussion: Pedestal Stability -1	TG Discussion Session		

19th						
09:15	20min	A. Leonard	Introduction & Understanding the pedestal/edge	Three TG joint session on Edge Transport	Rognlien	Horton
09:35	25min	V. Parail	status of modeling		Horton	
10:00	25min	G. Cordey	Reconciling Database Analysis with the Dimensionless Parameter. Scans for H and L mode, Pedestal and Core			
10:25	30min	All	General discussion of issues, opportunities for ITPA efforts			
10:55			COFFEE			
11:15	25min	H. Urano	Dependence of inter-ELM transport on $\nu^*$ and $\rho_{pol}^*$ in JT-60U	Three TG joint session on Edge Transport	Urano	Becoulet
11:40	25min	L.Horton	recent modelling on inter ELM transport using B2/EIRENE			
12:05	25min	C.S.Chang	XGC modeling of pedestal transport			
12:30	15min	All	General discussion of issues, opportunities for ITPA efforts			
12:45			LUNCH			
14:00	25min	V.Parail	Magnetic ripple as a tool for ELM mitigation	Three TG joint session on Edge Transport	Leonard/Oyama	Saibene
14:25	25min	M. Becoulet	Experiment and modelling of DIII-D, JET and ITER ELMs control by ergodic boundary			
14:50	15min	A.Leonard	Recent progress on ELM control by external coils on DIII-D			
15:05	40min	All	General discussion of issues, opportunities for ITPA efforts			
15:45			COFFEE			
16:05	25min	K.Toi	Transport barrier formation in ergodic field layer on LHD (edge plasma structures in high and low collisionality plasmas on LHD, ETB structure, edge stability of ETB plasma and ELM like activities.)	H-mode in Helical Devices	Horton	Ida
16:30	25min	T. Minami	Characteristics of Pedestals in ETB discharges of CHS			
16:55	25min	S.Kado	BES diagnostics in CHS for the plasmas with edge particle transport barrier			
17:20	25min	T. Mizuuchi	Experimental Conditions for the transition to improved modes in Heliotron J			
17:45	20min	All	General discussion on Tokamak / Helical comparizon			

20th						
09:15	30min	A.Kirk (R.Maingi (remote)	PEP-9: NSTX/MAST/DIII-D	inter machine etc./ Remote	Leonard	Nakashima
09:45	25min	K.Kamiya	C-Mod / JFT-2M		Oyama	
10:10			COFFEE			
10:25	25min	A.Leonard	QH-mode work in DIII-D	Joint with TP on QHmode (+ remote?)	Oyama	Doyle
10:50	25min	Y.Sakamoto	QH-mode work in JT-60U			
11:15	25min	L.Horton	a status report on QH mode work in AUG			
11:40	25min	K.Ida	Transport in a plasma with multi-pellet injection on LHD			
12:05	30min	All	Discussion of future directions			
12:35			LUNCH			
13:40	25min	A.Leonard	Recent DIII-D work relevant to the pedestal (BRIEF summaries of results from shaping experiments )	Pedestal Structure and Modeling	Horton	Guzdar
14:05	25min	P.Guzdar	A two-fluid theory for the pedestal in H mode and comparison with observations			
14:30	25min	T.Rognlien	modeling (TPB)			
14:55	25min	L.Horton	status report on Pedestal TG work using the profile db			
15:20			COFFEE			
15:40	25min	All (Urano)	Discussion: inter ELM transport	TG Discussion Session (incl. additional short presentations by participants)	Urano	Urano
16:05	25min	All (Rognlien)	Discussion: Pedestal Modeling		Rognlien	Rognlien
16:30	25min	All (Horton)	Discussion: Pedestal Structure and Profile DB		Horton	Horton
16:55	25min	All (Leonard)	Discussion : type I ELMs		Leonard	Leonard
17:20	25min	All (Oyama)	Discussion : small/no ELMs		Oyama	Oyama
17:45	25min	All (Wilson)	Discussion: ELM Stability -2		Wilson	Wilson
18:10	25min	All(Kamada)	Planning contributions to H-mode WS and the topics for the next meeting.		Kamada	Kamada

21th				Summary		
09:15	25min	Leonard	type I ELM dynamics	Summary	Leonard	Leonard
09:40	25min	Oyama	small ELM & QH regimes		Oyama	Oyama
10:05	25min	Wilson	Pedestal Stability		Wilson	Wilson
10:30	25min	Rognlien	Pedestal Modeling		Rognlien	Rognlien
10:55			COFFEE			
11:15	25min	Horton	Pedestal Structure and Profile DB		Horton	Horton
11:40	25min	Urano	Inter ELM transport		Urano	Urano
12:05	25min	Kamada	TG Strategy		Kamada	Kamada
12:30			others?			
13:00			adjourn			