

Time Table KTS & CWGM 2006

19 September (Tuesday)

10:00-10:20	Opening	
Neoclassical Transport Theory and Extensions		
10:20-11:00	W. Kernbichler	Status of the DKE solver NEO-2
11:00-11:40	V. Tribaldos	Plasma Finite Size Effects in Neoclassical Theory and Continuous Time Random Walk Transport Models
11:40-12:20	S. Nishimura	Analytical methods to calculate flows and diffusions driven by neoclassical viscosities in helical plasmas
12:20-13:20	LUNCH	
Global Transport Simulations		
13:20-14:00	S. Murakami	Effect of NBI beam ions on the ambipolar radial electric field in LHD
14:00-14:40	F. Castejon	Ion kinetic transport in TJ-II stellarator
14:40-15:10	S. Satake	Development of neoclassical transport code using the delta-f method: (1) core transport in stellarators
15:10-15:40	M. Nunami	Development of neoclassical transport code using the delta-f method: (2) island region
15:40-16:00	COFFEE BREAK	
Review Paper on Neoclassical Transport		
16:00-16:30	H. Maassberg	Review paper on neoclassical transport based on the international collaboration: introduction chapter
16:30-17:00	C.D. Beidler	Review paper on neoclassical transport based on the international collaboration: outline, basic theory chapter
17:00-18:00	Discussion on the review paper	
19:00-	DINNER (Sakon-Taro, Kamikiyamachi)	

20 September (Wednesday)

Impurity Transport Theory and Modeling		
9:00-9:40	C.D. Beidler	Overview on neoclassical impurity transport and basic results from W7-AS
9:40-10:20	Yu.L. Igitkhanov	Impurity Transport in Non-axisymmetric Devices: Code Development
10:20-10:40	D. Mikkelsen	Impurity Transport in NCSX and Optimized Stellarators

10:40-11:00	COFFEE BREAK	
Other Kinetic Theories		
11:00-11:40	S.F. Margalet	EBW and EBCD simulations with Bootstrap Current in CHS
11:40-13:00	LUNCH	
KTS and International Collaborations		
13:00-14:30	Discussion on issues in KTS and further international collaborations (Introduction by H. Maassberg)	
14:30-14:50	COFFEE BREAK	
Integrated Transport Modeling		
14:50-15:20	Y. Turkin	Predictive transport code - state of the art" (incl. the existing software tools)
15:20-15:50	N. Nakajima	TASK: Integrated Simulation code
15:50-16:20	Y. Nakamura	Analysis of Net Plasma Currents in Non-Axisymmetric Plasmas
16:20-17:30	Discussion on Integrated transport code development (N. Nakajima, M. Yokoyama)	

21 September (Thursday)

Global Confinement Database		
9:00-9:30	R.Preuss	τ_E model comparison (invariance principles) for W7-AS high- and low-beta discharges
9:30-10:00	H.Maassberg	τ_E for high performance / improved confinement discharges at W7-AS
10:00-10:30	Y. Turkin	τ_E simulations for W7-X (ECRH and NBI)" (predictive transport code)
10:30-10:50	COFFEE BREAK	
10:50-11:20	T.Mizuuchi	Confinement study in Heliotron J (tentative)
11:20-11:50	J.Talmadge	First Experiments Testing the Working Hypothesis in HSX
Working Hypothesis (Neoclassical optimization can suppress anomalous transport?)		
11:50-12:20	H. Yamada	Experimental observations in LHD to suggest the working hypothesis
12:20-13:20	LUNCH	
13:20-13:50	J.H.Harris	Experimental optimization of stellarator

13:50-14:20	H.Sugama	Gyrokinetic Studies of Zonal Flows in Helical Systems
14:20-14:50	K.Itoh	Physics of Internal Transport Barrier of Toroidal Helical Plasmas
14:50-15:20	O. Yamagishi	Quasi-linear and neoclassical particle fluxes, and density profile in LHD
15:20-15:40	COFFEE BREAK	
15:40-16:10	K.Tanaka	Characteristic of density profile and fluctuation in LHD (tentative)
16:10-16:40	S.Kitajima	Improved mode transition by electrode biasing in Tohoku University Heliac
16:40-17:00	D. Mikkelsen	Topics for Collaboration in Stellarator Gyrokinetics
17:00-18:00	Discussions	
19:00-	DINNER (GANKO Takasegawa-Nijoen)	

22 September (Friday)

Profile Database		
9:00-9:30	M.Yokoyama	Core Electron-Root Confinement in Helical Devices
9:30-10:00	F.Catejon	TJ-II Database update and parametric dependence of local transport
10:00-10:30	T.Minami	Transport Study for Edge Transport Barrier of Helical Plasma on CHS
10:30-10:45	COFFEE BREAK	
10:45-11:15	H.Funaba	Beta dependence of local transport in the LHD plasmas
11:15-11:45	S.Murakami	Effect of magnetic field optimization on the electron heat transport in LHD
11:45-13:00	LUNCH	
13:00-14:00	Discussions on Physics Issues subjected to ISPDB with emphasizing importance of inter-machine studies (S.Okamura:H-mode, K.Tanaka:Density profile, J.Miyazawa:Density limit)	
14:00-14:20	R.Preuss	Technical proposal for ISPDB: data base structure, formats, interfaces
14:20-14:35	K. Y. Watanabe	Remarks on description of equilibria (tentative)
14:35-15:00	Discussions on Technical Aspect of ISPDB	
15:00-15:15	COFFEE BREAK	

New Experimental Trend		
15:15-15:45	N.Ohyabu	Observation of Stable SDC plasma in LHD
15:45-16:15	J.Miyazawa	Density Limit in LHD
16:15-16:45	S.Inagaki	Complex relationship between heat flux and temperature gradient on LHD
16:45-17:15	Discussions	
17:15-17:30	Summary	