

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	
Other Kinetic Theories		
16:00-16:40	S. V. Kasilov	
16:40-17:20	S.F. Margalet	EBW and EBCD simulations with Bootstrap Current in CHS
18:30-	DINNER	

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	

KTS and International Collaborations		
11:00-12:00	Discussion on issues in KTS and further international collaborations	
12:00-13:00	LUNCH	
Review Paper on Neoclassical Transport		
13:00-13:30	H. Maassberg	Review paper on neoclassical transport based on the international collaboration: introduction chapter
13:30-14:00	C.D. Beidler	Review paper on neoclassical transport based on the international collaboration: outline, basic theory chapter
14:00-14:20	Discussion on the review paper	
14:20-14:40	COFFEE BREAK	
Integrated Transport Modeling		
14:40-15:20	Y. Turkin	Predictive transport code - state of the art" (incl. the existing software tools)
	Y. Turkin	tau_E simulations for W7-X (ECRH and NBI)" (predictive transport code)
15:20-15:50	A. Fukuyama	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	T.Mizuuchi	Confinement study in Heliotron J (tentative)
10:30-10:50	COFFEE BREAK	
10:50-11:20	J.Talmadge	Reduced Particle and Heat Transport in HSX with Quasisymmetry
Working Hypothesis (Neoclassical optimization can suppress anomalous transport?)		
11:20-11:50	H.Yamada	Experimental observations in LHD to suggest the working hypothesis

11:50-12:20	J.H.Harris	Experimental optimization of stellarator
12:20-13:30	LUNCH	
13:30-14:00	H.Sugama	Gyrokinetic Studies of Zonal Flows in Helical Systems
14:00-14:30	K.Itoh	Physics of Internal Transport Barrier of Toroidal Helical Plasmas
14:30-15:00	O.Yamagishi	Quasi-linear and neoclassical particle fluxes, and density profile in LHD
15:00-15:20	COFFEE BREAK	
15:20-15:50	K.Tanaka	Characteristic of density profile and fluctuation in LHD (tentative)
15:50-16:20	S.Kitajima	Improved mode transition by electrode biasing in Tohoku University Helicac
16:20-16:40	D. Mikkelsen	Topics for Collaboration in Stellarator Gyrokinetics
16:40-17:30	Discussions	
18:30-	DINNER	

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	