

US-Japan Workshop on Integrated Modeling

March 12-14, 2012

General Atomics, San Diego, California, USA

Room 07-120

Agenda

Monday, March 12			
13:00	Welcome and logistics	V. Chan	GA
13:15	Kinetic integrated modeling of burning plasmas using the TASK code	A. Fukuyama	Kyoto U
14:15	Verification and validation of gyrokinetic particle simulation of kinetic-MHD processes in toroidal plasmas	Z. Lin	UC-Irvine
15:15	Coffee Break		
15:30	Developing prediction tools on LHD high-beta discharge scenario based on experimental scaling and model	K. Watanabe	NIFS
16:30	Validation/verification of energetic particle physics models	D. Spong	ORNL
17:30	Free discussion		
18:30	Workshop dinner		
Tuesday, March 13			
09:00	1/1 snakes and sawteeth	L. Sugiyama	MIT
10:00	Integrated modeling in JAEA and its application to ELM control by pellet injection	N. Hayashi	JAEA
11:00	Validation of the TGLF transport model	J. Kinsey	GA
12:00	Lunch Break		
13:15	GYRO simulations of turbulently driven density peaking in C-Mod plasmas	D. Mikkelson	PPPL
14:15	High Z impurity transport code "IMPGYRO" and its coupling to SOLPS and EDDY	A. Hatayama	Keio U
15:15	Coffee Break		
15:30	Ensemble methods and validation metrics for turbulence & transport modeling	C. Holland	UCSD
16:30	Simulation of heat transport in LHD plasma using the TASK3D code	A. Wakasa	Kyoto U
17:30	Free discussion		
Wednesday, March 14			
09:00	Simulation study of ICRF heating by TASK/WM+GNET	S. Murakami	Kyoto U
10:00	Towards validation of neoclassical transport based on the international profile database (Coordinated Working Group)	M. Yokohama	NIFS
11:00	Integrated modeling of a Fusion Nuclear Science Facility FNSF-AT	V. Chan	GA
12:00	End of workshop		