

MAIN PROGRAM

1st week													
	9:00-9:30	9:30-10:00	10:00-10:30		11:00-11:30	11:30-12:00		14:30-15:00	15:00-15:30	15:30-16:00	16:00-17:30		
Monday	4	Thierry Passot	Discussion	Coffee break	Kunioki Mima	Wouter Bos	LUNCH	Kai Schneider	Student's welcome		Lecture Passot		
Tuesday	5	Boris Breizman	Discussion		RT 3 (Reconnection & MHD turbulence)			Wolf Müller	Roland Grappin	Discussion	Lecture Boozer		
Wednesday	6	Romain Nguyen-van-Yen	Discussion		RT 1 (Momentum generation & transport)			Sacha Brun	Lara Silvers	Discussion	Lecture Brummel		
Thursday	7	Nic Brummel	Discussion		RT 4 (Energetic particles)			Nicolas Plihon	Cary Forest	Discussion	Lecture Diamond		
Friday	8	T S Hahm	Discussion		RT 2 (General theorems for self-organization)			Zhen-Su She (Rosenbluth lecture)			Lecture Breizman		
2nd week													
	9:00-9:30	9:30-10:00	10:00-10:30		11:00-11:30	11:30-12:00		14:30-15:00	15:00-15:30	15:30-16:00	16:00-17:30		
Monday	11	Pat Diamond	Discussion	Coffee break	RT 1 (Momentum generation & transport)		LUNCH	Steve Tobias		Discussion	Lecture She		
Tuesday	12	Allen Boozer	Discussion		Focus: L-H physics issues			Gérard Belmont	Seiya Nishimura	Discussion	Lecture Hughes		
Wednesday (Evening Banquet)	13	David Hughes	Discussion		RT 4 (Energetic particles)			Dongsu Ryu		Katsumi Ida	Lecture Ryu / Kang		
Thursday	14	BASTILLE DAY											
Friday	15	Hyesung Kang	Discussion		Focus: Intergalactic magnetic fields			Céline Guervilly	Dominique Escande	Discussion			
3rd week													
	9:00-9:30	9:30-10:00	10:00-10:30		11:00-11:30	11:30-12:00		14:30-15:00	15:00-15:30	15:30-16:00	16:00-16:30	16:30-17:00	17:00-17:30
Monday	18	François Waelbroek	Discussion	Coffee break	RT 2 (General theorems for self-organization)		LUNCH	Özgür Gürçan	Guosheng Xu	Discussion	Lecture Waelbroek		
Tuesday	19	Guilhem Dif-Pradalier	Discussion		RT 3 (Reconnection & MHD turbulence)			Jae-Min Kwon	Peter Beyer	Discussion	Lecture Smolyakov		
Wednesday	20	Andrei Smolyakov	Discussion		RT 1 (Momentum generation & transport)			Lu Wang	ITER Session		Student's projects		
Thursday	21	Jian-Zhou Zhu	Akihiro Ishizawa		Discussion	Marie Farge		Michael Leconte		Student's reporting		Summary	
Friday	22	Closing											

L-H Transition physics PROGRAM

Note: L-H Transition Session Breakout Room is Located Ground Floor, Room 011 ("SALLE AUDIOVISUEL")

Monday 11 July 2011

0900-1030 *[Location: Main Lecture Hall]*

Zonal Flows and Drift Wave Turbulence: A Look Back and a Look Ahead, with Emphasis on the L→H Transition (Diamond) [OVERVIEW]

1600-1700 *[Location: L-H Transition Breakout Room]*

Preliminaries & Discussion of Strawman Hypothesis for L-H Bifurcation: Tynan (15 minutes)

Discussion of Diamond Talk & Planning for the Week's Activities

L-mode Approaching Threshold:

Evolution of DWT, ZF/GAMs and MSF Approaching the L-H transition (M. Xu/UCSD, K. Zhao/SWIP [Presented by G. Tynan, UCSD])

Tuesday 12 July 2011

Transition Dynamics:

1100-1230 *[Location: Main Lecture Hall]*

Shear Flow and Turbulence Suppression in Limit Cycle Oscillations Preceding the L-H Transition (L Schmitz UCLA)

A 1-D Mean Shear Flow/Zonal Flow/Turbulence Model of the L-H Transition (P. Diamond, UCSD/NFRI)

+ Roundtable Speakers and Discussion

1430-1630 [Location: L-H Transition Breakout Room]

2D turbulence and Flow dynamics approaching the L-H Transition (G. McKee, UW Madison)

Shear Flow and Turbulence Behavior in NSTX L-H and H-L Transitions (Y. Sechrest/T. Munsat, Colorado)

Studies of the H-L Back Transition on EAST (A. Liu, USTC)

Roundtable Discussion

Wednesday 13 July 2011

Mean Shear Flow-Zonal Flow interactions

1100-1230 [Location: L-H Transition Breakout Room]

Impact of mean shear flow on the interaction between turbulence and zonal flows (P. Manz, UCSD)

Mean flow-Zonal Flow Interactions & Impacts of Stochastic Magnetic Fields (Y. Xu, FZ-Juelich)

1530-1600 [Location: Main Lecture Hall]

K. Ida, Title To Be Decided

1600-1700 [Location: L-H Transition Breakout Room]

Strugarek (CEA) Transport barriers and sheared flows: inputs from 1D and 5D models

Brainstorming Ideas for Experimental Tests and Foci for upcoming campaigns

Friday 15 July 2011: Effect of SOL Flows on Flow Inside the Edge

1500-1700 [Location: L-H Transition Breakout Room]

K. Ida – Title To Be Determined

LeConte, (NFRI) Theoretical Studies of Effects of Stochastic Magnetic Fields on H-mode

N. Fedorczak (UCSD) A Model Linking SOL Flows with Mean Shear Flows at the Plasma Edge – Possible Origin of Favorable Grad-B Drift Direction

Roundtable Presentations & discussion

Monday 18 July 2011

1500-1600 [Location: Main Lecture Hall]

GS Xu, ASIPP Overview of Recent Experimental Results on the L-H Transition in Fusion Devices (speaker: [INVITED TALK])