Programme

	Monday 4th	Tuesday 5th	Wednesday 6th	Thursday 7th	Friday 8th
9:00-9:30	Opening	HUGHES	NAULIN	VISHNIAC	KAW
09:30-10:00	*Organisation*				
10:00-10:30	DIAMOND	break	break	break	break
10:30-11:00		Student's	*Working groups*	Student's	*Working groups*
11:00-11:30	break	Lecture I		Lecture II	
11:30-12:00	SARAZIN	(else working		(else working	
12:00-12:30	*discussion*	*groups)*		*groups)*	
12:30-13:00					
13:00-13:30					
13:30-14:00					
14:00-14:30	IDOMURA	MÜLLER	*Working groups*	BRUMMEL	BRUN
14:30-15:00	*Organisation*	*Working groups*		*Working groups*	*Working groups*
15:00-15:30	*Working groups*				
15:30-16:00					
16:00-16:30					
16:30-17:00					
17:00-17:30					
17:30-18:00					
18:00-18:30	*Closing*	*Closing*	*Closing*	*Closing*	*Closing*

This document contains 4 parts. In **part I**, a **tentative list of topics** is proposed. Names of leaders are attached to it.. These leaders are expected to organize the working sessions, the reporting and discussion sessions. A list of **tutorial talks** is indicated in **part II**. These tutorial talks are there to introduce the various aspects of the Festival. We hope that our victims will all agree despite the short notice. **Part III** addresses the important issue of the **publications** related to the Festival.. **Part IV** is **the list of participants** and when they attend. The fine structure of the exact participation dates is not incorporated in this table.

I) Proposed topics for the 2005 Festival

The list of topics remains open. It is your choice to participate to any of these topics or to initiate a new topic. At any rate, active participation to the scientific life of some of these topics is expected. The leaders are in charge of this scientific life. They will also organize the presentation of your contributions in the frame of these topics.

Topic 1 :
Turbulence overshoot, or spreading, in star convection zones and fusion plasmas
Leaders: T.S. Hahm, D. Hugues, V. Naulin, X. Garbet

Topic 2 :
Interaction of overshoot with shear layers and transport layers
Leaders: P.H. Diamond, P.K. Kaw, S. Tobias, Ph. Ghendrih

Topic 3 :
Particle acceleration and resonant transport - Energetic particle instabilities
Leaders: B. Breizman, D. Escande, L. Eriksson, F. Zonca, M. Ottaviani

Topic 4 :
Relaxation, MHD turbulence and reconnection
Leaders: P.K. Kaw, D. Escande, D. Grasso, W.C. Mueller , A. Smolyakov

Topic 5 :
Accretion disks
Leaders: E. Vishniac, D. Hugues, A. Sen, P. Beyer

Topic 6 :
Dynamo
Leaders: D. Hugues, F. Cattaneo, P.H. Diamond, O. Agullo

Topic 7 :
Non-diffusive transport
Leaders: V. Naulin, E-J Kim, Y. Sarazin, S. Benkadda

II) Tutorial talks, lectures and program of the 2005 Festival

Tutorials

Since our speakers have not given their word on this issue yet, some reorganization of these tutorials may occur. Given the large student audience, use of jargon free presentations will be appreciated.

Theory of Turbulence Spreading and Entrainment	P.H. Diamond
Turbulence overshoot in astrophysical plasmas	D. Hugues
Physics of shear layers	V. Naulin
Physics of Accretion Disks	E. Vishniac
MHD turbulence	W.C. Mueller
MHD instabilities and fast particles	F. Zonca
Small Scale Dynamo	F. Cattaneo
Explosive events in plasmas	S. Cowley
Physics of solar tachocline	S. Tobias
Gyrokinetic turbulence in magnetized plasmas	T.S. Hahm
Confinement of fast particles in fusion plasmas	L. Eriksson
Wave particle interaction	D. Escande
Physics of magnetic islands	A. Smolyakov
Turbulent transport and control	A. Das/P. Kaw/A. Sen

Lectures for students and Student's participation

Students are defined here in a broad way. We have in mind both the PhD students and the Post-Docs who would readily participate in this aspect of the program.
To help these students participating in the meeting, 4 informal lectures (2 hours each, for students only) will be organized: We would also like to encourage students to join the group of leaders in the various topics and thus be active in the scientific organization. Finally, students seminars could be organized.

I "**Reconnection**" D. Escande:
II "**Interaction of overshoot with shear layers and transport layers**". P. Diamond/T.S. Hahm
III "**Particle acceleration and resonant transport**". F. Zonca:
IV "**Turbulence overshoot, or spreading, in star convection zones and fusion plasmas**". D. Hughes / N Brummel:

<u>Point of view 'or invited) presentations</u>

These "point of view" presentation lasting 30 minutes followed by 15 minutes discussion aim at addressing an issue that should be further discussed in the working groups.

Magnetic relaxation by forced reconnection (Topic 4)	G. VEKSTEIN
Effect of sheared equilibrium flows on classical and neoclassical tearing modes	A. SEN
Magnetised plasma turbulence in astrophysical plasmas	A. SCHEKOCHIHIN
Topic 2	E. KIM
Global transport of energetic particles in presence of multiple unstable modes	B. BREIZMAN
	N. BRUMMEL
	S. BRUN
	Y. IDOMURA
	Y. SARAZIN
Nonlinear dynamics of transport barrier relaxations in tokamak plasmas	P. BEYER

Schedule

Typical organization of 1 day = 1 tutorial in the morning (55 minutes) + 1 invited in the afternoon (30 minutes) + "organized" round table discussion (with 5 to 15 minutes contributions) + informal working groups in the afternoon + 2 lectures per week (for students).

Monday 4	DIAMOND	SARAZIN	IDOMURA
Tuesday 5	HUGHES	Lecture I	MUELLER
Wednesday 6	NAULIN		
Thursday 7	VISHNIAC	Lecture II	BRUMMELL
Friday 8	KAW		BRUN
Monday 11	ZONCA	Lecture III	VEKSTEIN
Tuesday 12	TOBIAS		BREIZMAN
Wednesday 13	HAHM	Lecture IV	CATTANEO
Thursday 14	Bastille day		Bastille day
Friday 15	BEYER		
Monday 18	ESCANDE		SEN
Tuesday 19	ERIKSSON		DAS
Wednesday 20	SMOLYAKOV		
Thursday 21	SCHEKOCHIHIN		KIM
Friday 22	COWLEY		

III) Papers

Success of the Festival will depend on its output. We propose to publish a book for the tutorial talks. The schedule will be determined during the meeting. Please bring an electronic version of oral presentations. We will collect them and edit a CD. Y. Sarazin, X. Garbet and Ph. Ghendrih will be in charge of the papers. We shall be pleased to help you.

IV) Participants during each week of the Festival

Week 1 : July 4th to July 8th
Week 2 : July 11th to July 15th
Week 3 : July 18st to July 22th

Week 1
47 names

Olivier	AGULLO	Nicolas	DUBUIT
Nicolas	ARCIS	Rémi	DUMONT
Elina	ASP	Lars-Goran	ERIKSON
Sadruddin	BENKADDA	Dominique	ESCANDE
Peter	BEYER	Gloria	FALCHETTO
Nicolas	BIAN	Guillaume	FÜHR CHAUDIER
Dario	BORGOGNO	Shinpei	FUTATANI
Boris	BREIZMAN	Xavier	GARBET
Nic	BRUMMELL	Philippe	GHENDRIH
Sacha	BRUN	Virginie	GRANDGIRARD
Guido	CIRAOLO	Ozgur	GURCAN
Olivier	CZARNY	Taik Soo	HAHM
Guillaume	DARMET	David	HUGHES
Amita	DAS	Yasuhiro	IDOMURA
Patrick	DIAMOND	Predhiman	KAW

Wolf-Christian	MÜLLER
Eric	NARDON
Volker	NAULIN
Ryusuke	NUMATA
Yanick	SARAZIN
Mireille	SCHNEIDER
Abhijit	SEN
Lara	SILVERS
Andrei	SMOLYAKOV
Kazuo	TAKEDA
Patrick	TAMAIN
Steve	TOBIAS
Roderick	VANN
Geoffrey	VASIL
Grigory	VEKSTEIN
Ethan	VISHNIAC
Fulvio	ZONCA

Week 2 :
51 names

Olivier	AGULLO
Nicolas	ARCIS
Elina	ASP
Sadruddin	BENKADDA
Peter	BEYER
Nicolas	BIAN
Dario	BORGOGNO
Boris	BREIZMAN
Nic	BRUMMELL
Fausto	CATTANEO
Guido	CIRAOLO
Steven C.	COWLEY
Olivier	CZARNY
Guillaume	DARMET
Amita	DAS
Patrick	DIAMOND
Nicolas	DUBUIT
Rémi	DUMONT
Lars-Goran	ERIKSON
Dominique	ESCANDE
Gloria	FALCHETTO
Guillaume	FÜHR CHAUDIER
Shinpei	FUTATANI
Xavier	GARBET
Philippe	GHENDRIH
Virginie	GRANDGIRARD
Daniella	GRASSO
Ozgur	GURCAN
Taik Soo	HAHM
David	HUGHES
Predhiman	KAW
Eun-jin	KIM
Wolf-Christian	MÜLLER
Eric	NARDON
Volker	NAULIN
Ryusuke	NUMATA
Maurizio	OTTAVIANI
Yanick	SARAZIN
Alexander	SCHEKOCHIHIN
Mireille	SCHNEIDER
Abhijit	SEN
Lara	SILVERS
Andrei	SMOLYAKOV
Kazuo	TAKEDA
Patrick	TAMAIN
Emanuele	TASSI
Steve	TOBIAS
Roderick	VANN
Geoffrey	VASIL
Grigory	VEKSTEIN
Fulvio	ZONCA

week 3
34 names

Olivier	AGULLO
Nicolas	ARCIS
Elina	ASP
Sadruddin	BENKADDA
Peter	BEYER
Nicolas	BIAN
Dario	BORGOGNO
Guido	CIRAOLO
Steven C.	COWLEY
Olivier	CZARNY
Patrick	DIAMOND
Nicolas	DUBUIT
Rémi	DUMONT
Lars-Goran	ERIKSON
Dominique	ESCANDE
Gloria	FALCHETTO
Guillaume	FÜHR CHAUDIER
Shinpei	FUTATANI
Xavier	GARBET
Philippe	GHENDRIH
Virginie	GRANDGIRARD
Daniella	GRASSO
Ozgur	GURCAN
Eun-jin	KIM
Eric	NARDON
Ryusuke	NUMATA
Maurizio	OTTAVIANI
Yanick	SARAZIN
Alexander	SCHEKOCHIHIN
Andrei	SMOLYAKOV
Kazuo	TAKEDA
Patrick	TAMAIN
Emanuele	TASSI
Geoffrey	VASIL

Topic 1 : turbulence overshoot, or spreading, in star convection zones and fusion plasmas
39 names

Elina	ASP
Sadruddin	BENKADDA
Nicolas	BIAN
Nic	BRUMMELL
Sacha	BRUN
Fausto	CATTANEO
Guido	CIRAOLO
Steven C.	COWLEY
Guillaume	DARMET
Amita	DAS
Patrick	DIAMOND
Nicolas	DUBUIT
Gloria	FALCHETTO
Shinpei	FUTATANI
Xavier	GARBET
Philippe	GHENDRIH
Virginie	GRANDGIRARD
Ozgur	GURCAN
Taik Soo	HAHM
David	HUGHES
Yasuhiro	IDOMURA
Predhiman	KAW
Eun-jin	KIM
Xavier	LEONCINI
Wolf-Christian	MÜLLER
Eric	NARDON
Volker	NAULIN
Ryusuke	NUMATA
Yanick	SARAZIN
Alexander	SCHEKOCHIHIN
Mireille	SCHNEIDER
Abhijit	SEN
Lara	SILVERS
Andrei	SMOLYAKOV
Patrick	TAMAIN
Steve	TOBIAS
Geoffrey	VASIL
Ethan	VISHNIAC
Fulvio	ZONCA

Topic 2 : interaction of overshoot with shear layers and transport layers
29 names

Sadruddin	BENKADDA
Peter	BEYER
Nicolas	BIAN
Nic	BRUMMELL
Sacha	BRUN
Fausto	CATTANEO
Amita	DAS
Patrick	DIAMOND
Nicolas	DUBUIT
Guillaume	FÜHR CHAUDIER
Shinpei	FUTATANI
Xavier	GARBET
Philippe	GHENDRIH
Ozgur	GURCAN
Taik Soo	HAHM
David	HUGHES
Predhiman	KAW
Eun-jin	KIM
Xavier	LEONCINI
Eric	NARDON
Volker	NAULIN
Yanick	SARAZIN
Mireille	SCHNEIDER
Lara	SILVERS
Andrei	SMOLYAKOV
Patrick	TAMAIN
Steve	TOBIAS
Geoffrey	VASIL
Fulvio	ZONCA

Topic 3 : particle acceleration and resonant transport
20 names

Olivier	AGULLO
Elina	ASP
Nicolas	BIAN
Boris	BREIZMAN
Sacha	BRUN
Guido	CIRAOLO
Patrick	DIAMOND
Nicolas	DUBUIT
Rémi	DUMONT
Lars-Goran	ERIKSON
Dominique	ESCANDE
Xavier	GARBET
Philippe	GHENDRIH
Virginie	GRANDGIRARD
Xavier	LEONCINI
Maurizio	OTTAVIANI
Yanick	SARAZIN
Roderick	VANN
Grigory	VEKSTEIN
Fulvio	ZONCA

Topic 4 : relaxation and reconnection

27 names

Olivier	AGULLO
Nicolas	ARCIS
Sadruddin	BENKADDA
Peter	BEYER
Nicolas	BIAN
Dario	BORGOGNO
Olivier	CZARNY
Patrick	DIAMOND
Dominique	ESCANDE
Guillaume	FÜHR CHAUDIER
Shinpei	FUTATANI
Xavier	GARBET
Philippe	GHENDRIH
Daniella	GRASSO
Taik Soo	HAHM
Predhiman	KAW
Eun-jin	KIM
Eric	NARDON
Ryusuke	NUMATA
Maurizio	OTTAVIANI
Yanick	SARAZIN
Alexander	SCHEKOCHIHIN
Abhijit	SEN
Kazuo	TAKEDA
Emanuele	TASSI
Grigory	VEKSTEIN
Ethan	VISHNIAC

Topic 5 : Accretion disks

14 names

Nicolas	BIAN
Sacha	BRUN
Fausto	CATTANEO
Patrick	DIAMOND
Xavier	GARBET
Philippe	GHENDRIH
David	HUGHES
Volker	NAULIN
Alexander	SCHEKOCHIHIN
Abhijit	SEN
Kazuo	TAKEDA
Steve	TOBIAS
Geoffrey	VASIL
Ethan	VISHNIAC

Topic 6 : Dynamo

26 names

Olivier	AGULLO
Sadruddin	BENKADDA
Peter	BEYER
Nicolas	BIAN
Nic	BRUMMELL
Sacha	BRUN
Fausto	CATTANEO
Steven C.	COWLEY
Amita	DAS
Patrick	DIAMOND
Dominique	ESCANDE
Xavier	GARBET
Ozgur	GURCAN
David	HUGHES
Predhiman	KAW
Eun-jin	KIM
Xavier	LEONCINI
Wolf-Christian	MÜLLER
Volker	NAULIN
Alexander	SCHEKOCHIHIN
Lara	SILVERS
Andrei	SMOLYAKOV
Steve	TOBIAS
Geoffrey	VASIL
Ethan	VISHNIAC
Fulvio	ZONCA

Topic 7 : Non-diffusive transport

29 names

Elina	ASP
Sadruddin	BENKADDA
Nicolas	BIAN
Boris	BREIZMAN
Nic	BRUMMELL
Guillaume	DARMET
Amita	DAS
Patrick	DIAMOND
Nicolas	DUBUIT
Lars-Goran	ERIKSON
Guillaume	FÜHR CHAUDIER
Shinpei	FUTATANI
Xavier	GARBET
Philippe	GHENDRIH
Virginie	GRANDGIRARD
Taik Soo	HAHM
Yasuhiro	IDOMURA
Predhiman	KAW
Eun-jin	KIM
Xavier	LEONCINI
Volker	NAULIN
Ryusuke	NUMATA
Maurizio	OTTAVIANI
Yanick	SARAZIN

Lara	SILVERS	Geoffrey	VASIL
Patrick	TAMAIN	Fulvio	ZONCA
Roderick	VANN		

Other Topics proposed

Turbulence in stochastic magnetic field
quasi single helicity state
MHD turbulence, turbulence trapping
MHD turbulence, galaxy cluster plasma
Fast particles
Fast ion collective modes
Collisionless reconnection
Intermittency

Tentative list of students

Nicolas	ARCIS	Eric	NARDON
Elina	ASP	Ryusuke	NUMATA
Dario	BORGOGNO	Mireille	SCHNEIDER
Guido	CIRAOLO	Lara	SILVERS
Olivier	CZARNY	Kazuo	TAKEDA
Guillaume	DARMET	Patrick	TAMAIN
Nicolas	DUBUIT	Emanuele	TASSI
Guillaume	FÜHR CHAUDIER	Roderick	VANN
Ozgur	GURCAN	Geoffrey	VASIL