Schedule for the 13th Festival de Théorie, 30 June-25 July, 2025

Week 1 - 30/06 - 4/07	08:30	09:10 - 10:00	10:00 - 10:40	10:40	11:00 - 11:45	11:45 - 12:30	12:30 - 14:30	14:30	15:15	16:00	16:15	17:30	18:30 - 20:00
Monday 30	Welcome	P. Tamain	discussion	Coffee	L. Schmitz	X. Garbet	Lunch	J. Gunn	discussion	Coffee	Q&A Tamain		
	08:30	09:00 - 09:50	9:50 - 10:30	10:30	11:00 - 11:45	11:45 - 12:30		14:30	15:15	16:00	16:15	17:30	18:30 - 20:00
Tuesday 1		G. Esler	discussion	Coffee break	J.H. Mun	M. Linkmann		E. Serre	discussion	Coffee break	Q&A Esler		
Wednesday 2		P. Perlekar	discussion		L. Manfredini / P. Guillon / T. Nicolas			R. Jorge	discussion		Q&A Perlekar		
Thursday 3		D.W. Hughes	discussion		F. Militello	Y. Andrew		N. Fedorczak	discussion		Q&A Hughes		
Friday 4		P.H. Diamond	discussion		M. Sasaki	T. Kobayashi		P. Manz	discussion		Q&A Diamond		Conference dinner

Week 2 - July 7-11	08:30	09:00 - 09:50	9:50 - 10:30	10:30	11:00	11:45	12:30 - 14:30	14:30	15:15	16:00	16:15	17:30	18:30 - 20:00
Monday 7		M. Graham	discussion	Coffee break	O. Fevrier	discussion	Lunch	L. de Gianni	K. Lim	Coffee break	Q&A Graham		
Tuesday 8		M. Shavit	discussion		G. Brochard	H. Che		R. Gueroult	discussion		Q&A Shavit		
Wednesday 9		R. Pandit	discussion		Z. Qu	K. Schneider		W. Zholobenko	discussion		Q&A Pandit		
Thursday 10		D. Mitra	discussion		H. Lamarre	Y. Sarazin		N. Shibley	discussion		Q&A Mitra		
Friday 11		A. Frishman	discussion		A. Milovanov	L. Casali		Q. Yan	Mingyun Cao		Q&A Frishman		

Week 3 - July 14-18	08:30	09:00 - 09:50	9:50 - 10:30	10:30	11:00	12:30 - 14:30	14:30	16:00	16:15	17:15	18:00
Thursday 14		BASTILLE DAY		Coffee break	(day off)	Lunch	PROJECTS	Coffee break	PROJECTS		
Tuesday 15		PROJECTS			PROJECTS						
Wednesday 26					R. Varennes / Y. Cho / S. Raj						
Thursday 17					PROJECTS						
Friday 18					C. Wan / M. Go						

Week 4 - July 21-25	08:30	09:00	10:30	11:00		12:30 - 14:30	14:30	16:00	16:15	18:00
Monday 21		PROJECTS	Coffee break	Z.B. Guo	PROJECTS	Lunch	PROJECTS	Coffee break	PROJECTS	
Tuesday 22				PROJECTS						
Wednesday 23										
Thursday 24									Closing	
Friday 25										

Tutorials: 55 + 25 min

Topicals: 30 + 15 min

Lectures / Q&A: 1h 15

Short contrib.: 20 + 10

Social events

M. Shavit	Turbulence of weakly interacting internal gravity waves
P. Manz	How the boundary layer determine the operational space of a tokamak
O. Fevrier	Experimental Studies of Power Exhaust in Negative Triangularity on TCV
J. Gunn	First measurements of ion temperature at the divertor of the WEST tokamak
W. Zholobenko	Turbulence in detached X-point radiator conditions
H. Che	Electron Velocity Shear and Kinetic Scale Kelvin-Helmholtz Instability
R. Gueroult	How flows can affect plasma waves? And vice-versa
M. Graham	Turbulence in polymer solutions
E. Serre	Routes to turbulence in rotating disc boundary layers and cavities
P. Guillon	Phase transition in the Hasegawa-Wakatani model
D.W. Hughes	Flux expulsion leading to boundary layers and turbulence
X. Garbet	Closure models for LES simulations of plasma turbulence
G. Brochard	Impact of non-Maxwellian energetic ions on plasma stability and confinement
R. Jorge	Design of Stellarators: Stability, Transport, and Coils
R. Pandit	The Cahn-Hilliard-Navier-Stokes framework for Multiphase Flows: Laminar, Turbulent, and Active
L. Schmitz	Zonal Flow drive and microturbulence reduction by multiple Alfven Eigenmodes in DIII-D
P.H. Diamond	Interplay of Turbulence & Radiative Condensation Approaching the Density Limit
Q. Yan	AE-driven Zonal Modes Produce Transport Barriers and Heat Thermal Ions via Cross-scale Interactions

G. Esler	Parameterisation of small-scale random forcing in beta-plane turbulence
N. Fedorczak	On the interplay between divertor dissipation and edge plasma transport in the WEST tokamak
H. Lamarre	Avalanches in Magnetohydrodynamical simulations
Y. Andrew	Exploring the interactions of self-regulation in the evolution of the edge transport barrier
T. Nicolas	Dimensioning of FRC based reactors: Helion and TAE
A. Frishman	2D condensate from 3D waves in rotating turbulence
L. Manfredini	Intermittence and synchronisation in shell models
F. Militello	Non-diffusive particle transport in the SOL and filament physics
D. Mitra	Elastic turbulence
P. Perlekar	Energy transfer and intermittency in buoyancy-driven bubbly flows
Z. Qu	Simulation of electromagnetic turbulence in magnetised fusion devices
P. Tamain	Turbulence and heat exhaust in tokamaks: a multi-physics boundary layer problem
L. Matilsky	Spherical-shell tachocline-confining dynamos in the solar regime
M. Sasaki	Trapping of drift wave turbulence interacted with long-lived structures
Z.B. Guo	Formation, propagation and conversion of transport barriers triggered by dynamical critical gradient in tokamak plasmas
L. Casali	Physics of core-edge integration in fusion devices
M. Linkmann	A unified heat transfer model based on boundary layer theory for magnetoconvection