

GMT1	JST	PDT (EDT: +3)	July 6th	July 7th	July 8th	July 9th	
0:30	8:30	16:30					
			Opening				
1:00	9:00	17:00	PL (45min+15min)	PL (45min+15min)	PL (45min+15min)	Summary (25mins, 20mins) TG3 (Choi) TG5 (Holland)	
1:30	9:30	17:30					
2:00	10:00	18:00	Break	Break	Break	Break	
2:30	10:30	18:30	TG2 25 mins x 1 20 mins x 4	TG5 25 mins x 1 20 mins x 4	TG3 25 mins x 2 20 mins x 3	TG4 25 mins x 1 20 mins x 4	
3:00	11:00	19:00					
3:30	11:30	19:30				Discussion TG4 (Bass)	
4:00	12:00	20:00	Lunch	Discussion TG5 (Honda)	Lunch	Lunch	
4:30	12:30	20:30					
5:00	13:00	21:00	TG2 25 mins x 1 20 mins x 5	Lunch	TG3 20 mins x 2	TG2 & TG5 (YRC) 20 mins x 8	
5:30	13:30	21:30		TG1 25 mins x 1 20 mins x 2	Discussion TG3 (Zhang)		
6:00	14:00	22:00			Break		
6:30	14:30	22:30		Break	TG4 25 mins x 1 20 mins x 5		
7:00	15:00	23:00	Break				
7:30	15:30	23:30	PL (45min+15min)	TG5 25 mins x 1 20 mins x 4		Break	
8:00	16:00	0:00	Break		Break	Summary (25mins x 1, 20 mins x 2) TG1 (Kobayashi) TG2 (McDermott) TG4 (Yu)	
8:30	16:30	0:30	TG2 25 mins x 1 20 mins x 3	Break	TG5 25 mins x 1 20 mins x 5	Closing	
9:00	17:00	1:00		TG1 25 mins x 1 20 mins x 5			
9:30	17:30	1:30					
10:00	18:00	2:00	Discussion TG2 (Kwon)				
10:30	18:30	2:30		Discussion TG1 (Citrin)			
11:00	19:00	3:00					
11:30	19:30	3:30					
12:00	20:00	4:00					

July 6th	Speaker	Title
Opening (8:55-9:00)		
Plenary: 9:00-10:00 Chair: K. Ida	E.A. Belli	Strong Reversal of Simple Isotope Scaling Laws in Tokamak Edge Turbulence
TG2-1 (Edge turbulence, Blob, SOL width) 10:10 – 11:50 Chair: T. Tokuzawa		
25	Xu Chu	On How Turbulence Spreading Broadens the Scrape-off Layer
20	T. Wu	Effect of edge turbulent transport on scrape-off layer width on HL-2A tokamak
20	Junyi Cheng	Kinetic study of Blob Dynamics in Realistic Geometry using the XGC1 Code
20	Q. Yan	Physics of Turbulence Spreading and Explicit Nonlocality
20	G.L. Xiao	Innovative Progress on the Supersonic Molecular Beam Injection technique—a Robust Approach for Transport Studies
Lunch (11:50-13:00)		
TG2-2 (Non-diffusive) 13:00 – 15:05 Chair: M. Leconte		
25	Y.Y. Xie	Plasma flows and turbulence during nonlocal effects induced by cold pulses in the edge tokamak
20	F. Kin	Observations of bursty fluctuations measured by reflectometer associating to avalanche-like transport in JT-60U
20	Y. Ohtani	Temporal evolution of momentum transport in JT-60U H-mode plasma
20	Y.J. Kim	Input Power Dependence of Non-Local Transport Events in Flux-Driven ITG Turbulence
20	W. Wang	Global gyro-kinetic study of trapped electron mode (TEM) instability in reversed magnetic shear plasmas
20	Wenbin Liu	Evidence of ExB staircase in HL-2A L-mode tokamak discharges
Break (15:05-15:20)		
Plenary 15:20-16:20 Chair: Wenbin Liu	P. Manas	Turbulent and neoclassical transport of impurities: from W accumulation to light impurity peaking modelling in tokamaks
TG2-3 (Turbulence, Transport) 16:20 – 17:45		

Chair: Wenbin Liu		
25	T. Tokuzawa	Turbulence spreading controlled by edge ECH heat deposition
20	J. Seo	The effect of light impurities on ITG nonlinear simulations
20	M. Leconte	Staircase formation & zonal profile corrugations in drift-wave turbulence: role of the transport crossphase
20	P.G. Ivanov	Zonally dominated dynamics and the break-up of the Dimits state in ion-scale plasma turbulence
Discussion 17:45 – 18:15	J.M. Kwon	TG2: discussion

July 7 th	Speaker	Title
Plenary: 9:00-10:00 Chair: M. Honda	L. Qi	Gyrokinetic simulations of zonal flow staircase in tokamak plasmas
TG5-3 (Turbulence, shear layer, collapse) 10:10 – 11:55 Chair: W. Lee		
20	T. Long	Experimental studies of edge shear layer in the proximity of density limit on the J-TEXT tokamak
20	R. Singh	On How Edge Shear Layer Collapse Defines Greenwald limit $n_g \sim I_p$
20	G. Staebler	A new saturation model for quasi-linear gyrokinetic turbulent transport
20	C. Holland	Development of Compact Reactor Use Cases to Inform Transport Studies
25	S.M. Yang	Observation of limit-cycle oscillation before L-H transition and its RMP-induced suppression in KSTAR
Discussion 11:55-12:25	M. Honda	Discussion, TG5
Lunch (12:30-13:30)		
TG1-1 (Isotope) 13:30-14:35 Chair: S. Maeyama		
25	K. Tanaka	Isotope effects on particle transport in TCV ohmic discharge
20	T. Kobayashi	Hydrogen isotope effect on electron internal transport barrier in LHD
20	T.-H. Watanabe	Stabilization of trapped electron mode instability due to electron temperature gradient turbulence
TG5-1 (Turbulence, Non-diffusive) 14:40-16:25 Chair: S. Toda		
25	N. Kasuya	Ion Mass Dependence of Resistive Drift Wave Turbulence in Cylindrical Plasmas
20	T. Tuszimura	Direct observation of the non-locality of non-diffusive electron thermal transport in LHD
20	B.J. Kang	Gyrokinetic simulation studies of KSTAR LOC and SOC plasmas
20	W. Lee	Strong quasi-coherent turbulence in high-density H-mode pedestal

20	J.F. Parisi	Electron temperature gradient turbulence in the pedestal
Break (16:25-16:40)		
TG1-2 (Isotope, Impurity) 16:40-18:45 Chair: T. Kobayashi		
20	S. Xu	Comparison of anomalous tungsten transport in linear and nonlinear regimes of ion temperature gradient modes
20	M. Marin	Multiple-isotope pellet cycles captured by turbulent transport modelling in the JET tokamak
20	T. Kinoshita	Isotope effects and role of impurity on transport and turbulence in LHD
25	S. Maeyama	Multi-scale simulations of trapped electron mode and electron temperature gradient mode turbulence on the supercomputer Fugaku
20	J. Li	Impurity effects on Quasi-linear heat transport induced by coupling of TEM and ITG turbulence
20	X.R. Zhang	Impurity effects on TEM turbulence in tokamak plasmas with inverted electron density profile
Discussion 18:45 – 19:15	J. Citrin	TG1, Discussion

July 8th	Speaker	Title
Plenary: 9:00-10:00 Chair: W. Guo	M. Jiang	Experimental study on the interaction between magnetic islands and turbulence in tokamak plasmas
TG3-1 (Stochastic field & transport) 10:10 – 12:00 Chair: M.J. Choi		
25	P.H. Diamond	Particle, Toroidal Momentum and Ion Heat Transport by Stochastic Magnetic Fields and Turbulence
25	M. Kobayashi	Interaction between turbulence spreading and MHD activity at edge stochastic magnetic layer in LHD
20	C.C. Chen	On How Decoherence of Vorticity Flux by Stochastic Magnetic Fields Quenches Zonal Flow Generation
20	W. Guo	A Mean Field Model for Transport with Turbulence and Stochastic Magnetic Field
20	M. Cao	Intrinsic Multi-Scale Microturbulence in a Stochastic Magnetic Field
Lunch (12:00-13:00)		
TG3-2 (Island, MHD) 13:00 – 14:10 Chair: Tao Zhang		
20	T.S. Hahm	Effects of $E \times B$ Vortex on Turbulence Spreading in a Magnetic Island
20	Y. Goto	Development of the Q-band ECE Imaging system in Large Helical Device
Discussion 13:40-14:10	Tao Zhang	TG3: Discussion
Break (14:10-14:20)		
TG4-1 (EP) 14:20 – 16:25 Chair: Hao Wang		
25	J. Kang	Recent Progress on High β_N Steady-state Scenario Development Associated with TAE Mitigation in KSTAR
20	X. Zhu	Study of TAEs excited by energetic electrons in EAST low-density plasmas
20	L.M. Yu	Experimental Evidence of Nonlinear Avalanche Dynamics of Energetic Particle Modes
20	Y. Hou	Nonlinear simulations of the bump-on-tail instabilities in tokamak plasmas
20	Y.W. Cho	Residual Zonal Flow Level for bi-Maxwellian Distribution Function

20	L. Wang	Combined effects of perturbed non-axisymmetric magnetic field and radial electric field on drift loss of fast ions in tokamak pedestal
Break (16:25-16:40)		
TG5-2 (Profile, Transport) 16:40-18:45 Chair: C. Moon		
25	S. Toda	Prediction of temperature profiles using the simulation coupled with gyrokinetic transport models for helical plasmas
20	R. McDermott	Validation of low-Z impurity transport theory using boron perturbation experiments in ASDEX Upgrade
20	M.K. Han	Impurity mode induced turbulent transport and its temperature screening effect
20	M. Honda	Development of the framework to cope with advanced transport models using parallel computing and deep learning techniques
20	E. Narita	Neural-network-based turbulent transport modeling with development of saturation rules based on gyrokinetic analysis of JT-60U plasmas
20	H. Li	Machine learning of turbulent transport in fusion plasma with Neural Network

July 9 th	Speaker	Title
Summary 9:00-9:45 Chair: S. Inagaki		
25	C. Holland	Summary, TG5
20	M.J. Choi	Summary, TG3
TG4-2 9:45 – 11:30 Chair: Lu Wang		
25	J. Yang	Effect of fast ions on coupled kink and tearing mode stability in NSTX
20	P.J. Bonfiglio	Modeling Energetic Particle Transport and Losses in JET Plasmas
20	E. Bass	A prediction of isotopic effects in energetic neutral beam experiments in DIII-D
20	G.J. Choi	Gyrokinetic simulation study of interactions of energetic particles with Alfvén eigenmodes and MHD modes in DIII-D
20	H. Wang	Nonlinear simulations of Alfvén eigenmodes in CFQS
Discussion 11:30 – 12:00	E. Bass	Discussion, TG4
Lunch (12:00-13:00)		
TG2 & TG5, YRF 13:00 – 15:40 Chair: F. Kin		
20	T. Zhang	What Limits Zonal Flow Shears in Collisionless Drift-Wave Turbulence?
20	K.B. Wu	The Study of Radial Fractional Transport with Spatially Varying Fractional Transport Coefficients
20	C. Moon	Verification of ETG mode Energy Transfer to Drift-Wave mode through Multiscale Nonlinear Interactions
20	T.-K. Kobayashi	Analysis of solitary oscillation in a PANTA plasma using CECAME
20	D. Nishimura	Modal polarization analysis based on Fourier-rectangular function transform and its application to PANTA plasma
20	Y. Kawachi	Dynamic interaction between two different types of fluctuations synchronizing with zonal potential fluctuation in PANTA
20	JY Liu	Quasi-linear particle transport induced by the coupling of TEM and ITG mode in the presence of tungsten impurities
20	GZ Ren	Finite beta effects on the nonlinear ion heat transport based on the global Landau fluid simulation

Break (15:40-16:00)		
Summary 16:00 – 17:05 Chair: N. Tamura		
25	R. McDermott	Summary, TG2
20	T. Kobayashi	Summary, TG1
20	L. Yu	Summary, TG4
Closing		