Program - FY2021 LHD Research Forum

Monday, July 12, 2021

JP	EU		US					
JST	CEST	EDT	CDT	PDT			Presen + Q&A	
15:20	8:20	2:20	1:20	23:20	K. Ida	NIFS	5	***Welcome address***
15:25	8:25	2:25	1:25	23:25	N. Tamura	NIFS	5	***Request from Organizer***
					Instability			
15:30	8:30	2:30	1:30	23:30	K. Ida	NIFS	4 + 4	・Observation of Landau damping
15:40	8:40	2:40	1:40	23:40	K. Nagaoka	NIFS	4 + 4	・Low field plasma experiment for energetic particle confinement study
15:50	8:50	2:50	1:50	23:50	K. Mukai	NIFS	4 + 4	・Investigation of divertor detachment using superimposed impurity seeding
16:00	9:00	3:00	2:00	0:00	S. Ito (proposed by K. Watanabe(NIFS))	Nagoya Univ.	4 + 4	・MHD instability suppression by RMP field
16:10	9:10	3:10	2:10	0:10	K. Nagasaki	Kyoto University	4 + 4	・Active Control of Energetic-Particle-Driven MHD Instabilities by ECH/ECCD
16:20	9:20	3:20	2:20	0:20	K. Watanabe (on behalf of O. Mitarai)	NIFS (Institute for Advanced Fusion and Physics Education)	4 + 4	・Comparative experiments of Bootstrap current in the 1/new and plateau regime in LHD
16:30	9:30	3:30	2:30	0:30	K. Toi	Professor Emeritus of NIFS	4 + 4	・Demonstration of enhanced energy channeling from energetic ions to bulk ions via energetic-ion-driven geodesic acoustic modes in reversed magnetic shear plasmas of LHD
16:40	9:40	3:40	2:40	0:40	H. Nuga	NIFS	10 + 8	・Experimental analysis of the non-linear Coulomb collision effect ・Validation of neutral beam current drive in LHD for numerical estimation ・Investigation of the effect of anisotropic plasma pressure on MHD equilibrium in the three-dimensional magnetic configuration
17:00	10:00	4:00	3:00	1:00	**Break**			
17:20	10:20	4:20	3:20	1:20	H. Matsuura	Kyushu University	4 + 4	・Observation of knock-on tail formation using DD neutrons and 6LiD γ-rays
17:30	10:30	4:30	3:30	1:30	S. Kobayashi	IAE, Kyoto Univ.	4 + 4	・Development of plasma initiation technique for low magnetic field plasma experiments
17:40	10:40	4:40	3:40	1:40	T. Yokoyama	The University of Tokyo	4 + 4	・Prediction and avoidance of radiative collapse to achieve high-density plasma
17:50	10:50	4:50	3:50	1:50	H. Yamada	The University of Tokyo	4 + 4	・Prediction and maintenance of detached plasma by data-driven approach
18:00	11:00	5:00	4:00	2:00	J. Jo	Korea Institute of Fusion Energy	4 + 4	・Effect of phase-space distribution on Triton confinement
18:10	11:10	5:10	4:10	2:10	S. Sharapov	Culham Science Centre	4 + 4	・ECRH/ ECCD effects on energetic particle-driven Alfven eigenmodes
18:20	11:20	5:20	4:20	2:20	J. Varela	University Carlos III Madrid	4 + 4	・EFFECT OF THE NBCD ON THE STABILITY OF PRESSURE GRADIENT DRIVEN MODES AND ALFVEN MODES IN LHD HIGH BETA OPERATIONS
18:30	11:30	5:30	4:30	2:30	A. Knieps	Forschungszentrum Juelich	4 + 4	・Experimental analysis of beta-driven stochastization in the LHD helical divertor
18:40	11:40	5:40	4:40	2:40	**Adjourn**			

Program - FY2021 LHD Research Forum

Tuesday, July 13, 2021

JP	EU	US						
JST	CEST	EDT	CDT	PDT			Presen + Q&A	
					Instability			
8:30	1:30	19:30	18:30	16:30	J. Lestz	University of California, Irvine	4 + 4	・Connections between ion cyclotron range instabilities in space, stellarator and tokamak plasmas
8:40	1:40	19:40	18:40	16:40	W. Heidbrink	UC Irvine	7 + 6	・Fast-ion transport in MHD-quiescent plasmas ・Excellent documentation of fast-ion transport by Alfven instabilities
8:55	1:55	19:55	18:55	16:55	M. Zarnstorff	PPPL	4 + 4	・Confinement improvement and turbulence suppression in high beta plasmas with impurity powder injection.
9:05	2:05	20:05	19:05	17:05	K. Ogawa	NIFS	4 + 4	・Energetic ion transport due to toroidal Alfven eigenmode in deuterium plasma in LHD and HL-2A/2M
9:15	2:15	20:15	19:15	17:15	H. Igami	NIFS	7 + 6	・Observation of whistler frequency waves excited by nonlinear wave-wave coupling during abrupt bursting events ・OXB heating by 115.5GHz at the strongly Doppler-shifted ECR in the SDC plasma
9:30	2:30	20:30	19:30	17:30	S. Kamio	NIFS	10 + 8	・Hydrogen and deuterium beam ion transport due to toroidal Alfven eigenmode ・Investigation of ion heating mechanism during EGAM excitation caused by fast ion ・Study of the fast ion confinement physics in helical device
9:50	2:50	20:50	19:50	17:50		**Break**		
10:10	3:10	21:10	20:10	18:10	M. Kobayashi	NIFS	7 + 6	・High radiation fraction detachment with RMP application ・Feedback control detachment with ECRH and impurity gas puff
10:25	3:25	21:25	20:25	18:25	S. Ohdachi	NIFS	7 + 6	・Corrupt mechanism of CDC events ・p-11B reaction using boron dropper
10:40	3:40	21:40	20:40	18:40	N. Kenmochi	NIFS	4 + 4	・Isotope mass effects on sustainment of e-ITB plasma
10:50	3:50	21:50	20:50	18:50	N. Tamura	NIFS	4 + 4	・Study of plasma termination induced by different Z impurities at different masses and its recovery by adding ECH
11:00	4:00	22:00	21:00	19:00	R. Yanai	NIFS	4 + 4	・Investigating EBW heating characteristics via X-B mode conversion from high field side injection
11:10	4:10	22:10	21:10	19:10	Y. Takemura	NIFS	10 + 8	・Relationship between plasma flow and transition to MHD instability with collapse in high density LHD plasmas ・Effect of MHD instability with different mode structure on magnetic topology ・Sawtooth-like oscillation in high aspect ratio configuration of LHD
11:30	4:30	22:30	21:30	19:30		**Lunch**		
					Instability			
13:30	6:30	0:30	23:30	21:30	R. Seki	NIFS	4 + 4	・Measurement of neutron emission rate and fast ion in ICRF 2nd deuteron heating.
13:40	6:40	0:40	23:40	21:40	S. Sangaroon	NIFS	4 + 4	・Study of velocity distribution of neutral beam and ion cyclotron range of frequency tail ions using the compact neutron emission spectrometer
13:50	6:50	0:50	23:50	21:50	S. Masuzaki	NIFS	4 + 4	・Investigation of asymmetry of divertor particle and heat fluxes profiles
14:00	7:00	1:00	0:00	22:00	T. Seki	NIFS	4 + 4	・Acceleration of NBI deuterium beam ions by ICRF second harmonic heating
14:10	7:10	1:10	0:10	22:10	T. Tokuzawa	NIFS	4 + 4	・Observation of spatial structure change in the plasma edge during L-H mode transition
14:20	7:20	1:20	0:20	22:20	T. Tsujimura	NIFS	4 + 4	・Observation of the parametric decay instability excited by mode-converted vortex EC waves
14:30	7:30	1:30	0:30	22:30	Y. Yoshimura	NIFS	4 + 4	・Generation of high energy electrons by 3rd harmonic 116GHz wave coupled with 2nd harmonic heating by 77GHz wave

Program - FY2021 LHD Research Forum

Tuesday, July 13, 2021

14:40	7:40	1:40	0:40	22:40	Y. Fujiwara	NIFS	4 + 4	・Effect of Electron Temperature on Fast-ion Distribution with Fast-ion D alpha diagnostic
14:50	7:50	1:50	0:50	22:50	Y. Suzuki	NIFS	7 + 6	・Impacts of rational surface on L-H transition in high-beta plasma
15:05	8:05	2:05	1:05	23:05	H. Thomsen	IPP	4 + 4	・Study of topological bifurcation ・rotational transfor dependency of CDCs
15:15	8:15	2:15	1:15	23:15		**Break**		
					Spectroscopy			
15:35	8:35	2:35	1:35	23:35	M. Goto	NIFS	7 + 6	・Doppler free spectroscopy for the neutral penetration profile measurement ・Polarization spectroscopy for the study of anisotropy in the electron velocity distribution function
15:50	8:50	2:50	1:50	23:50	B. Li	Lanzhou University	4 + 4	・Search on magnetic induced electric dipole transition using LHD
16:00	9:00	3:00	2:00	0:00	F. Ding	ASIPP	4 + 4	・The impact of divertor configuration on inward impurity transport
16:10	9:10	3:10	2:10	0:10	V. Winters	Max-Planck-Institut für Plasmaphysik	4 + 4	・Ionization mean free path (Z) dependence of impurity retention in the ergodic SOL of LHD
16:20	9:20	3:20	2:20	0:20	H. Yamaguchi	ISAS/JAXA	4 + 4	・Establishing atomic database of L-shell transitions of the Fe-peak elements with LHD
16:30	9:30	3:30	2:30	0:30	R. Sakamoto	NIFS	4 + 4	・Dynamic behavior of hydrogen pellet ablation and homogenization
16:40	9:40	3:40	2:40	0:40	J. Romazanov	FZJ IEK-4	4 + 4	・Carbon impurity erosion and transport analysis and modelling with ERO2.0
16:50	9:50	3:50	2:50	0:50		**Break**		
17:10	10:10	4:10	3:10	1:10	M. Kubkowska	IPPLM	4 + 4	・Impurity transport study in LHD D/H plasmas using VUV spectroscopy in experiment with TESPEL injection
17:20	10:20	4:20	3:20	1:20	N. Panadero	Ciemat	4 + 4	・Analysis of pellet injection in different plasma scenarios for code validation
17:30	10:30	4:30	3:30	1:30	R. Bussiahn	Max-Planck-Institut für Plasmaphysik	4 + 4	・Multi-tracer Impurity transport studies by TESPEL injections into multi-ion plasmas
17:40	10:40	4:40	3:40	1:40	S. Brezinsek	FZJ	7 + 6	・Study of W erosion, transport, deposition and screeing in LHD by emission spectroscopy on neutral and low ionising W transitions ・Study of deuterium molecular band emission in LHD: excited and ground state population as function of divertor conditions
17:55	10:55	4:55	3:55	1:55	T. Fornal	IPPLM	4 + 4	・Light impurity transport studies in D/H plasmas at LHD using VUV spectroscopy.
18:05	11:05	5:05	4:05	2:05		**Adjourn**		

Program - FY2021 LHD Research Forum

Wednesday, July 14, 2021

JP	EU	US					Presen + Q&A	
JST	CEST	EDT	CDT	PDT	**Spectroscopy**			
9:00	2:00	20:00	19:00	17:00	C. M. Muscatello	General Atomics	4 + 4	・Diagnosis of fast ions produced by NNBI with FIDA spectroscopy
9:10	2:10	20:10	19:10	17:10	C. Suzuki	NIFS	4 + 4	・Experimental identification of spectral lines from highly charged heavy ions
9:20	2:20	20:20	19:20	17:20	F. Koike	Sophia University	4 + 4	・Precision spectral measurements of highly charged rare earth ions and their data analysis with non-empirical MCDF-CI calculations
9:30	2:30	20:30	19:30	17:30	H. Hara	NAOJ	4 + 4	・Calibration of Solar EUV Spectrometers and Validation of Diagnostic Capability for Solar High-Temperature Plasmas by LHD Experiments
9:40	2:40	20:40	19:40	17:40	A. Matsuyama	QST	4 + 4	・Ablation of high Z (neon) and hydrogen cryogenic pellets and its implication to ITER DMS design
9:50	2:50	20:50	19:50	17:50	**Break**			
10:10	3:10	21:10	20:10	18:10	T. Oishi	NIFS	4 + 4	・Expansion of the observable charge state range of tungsten ions
10:20	3:20	21:20	20:20	18:20	I. Murakami	NIFS	4 + 4	・Simultaneous multi-wavelength spectroscopies for validation on atomic data and spectroscopic modellings for highly-charged ions
10:30	3:30	21:30	20:30	18:30	D. Kato	NIFS	7 + 6	・Observation of visible forbidden lines from higher charge states of W highly charged ions ・Collection and assessment of the transition data required for the quantitative studies of heavy element nucleosynthesis in neutron star mergers
10:45	3:45	21:45	20:45	18:45	T. Kawate	NIFS	7 + 6	・Study on Ion Distribution toward Low Magnetic-field Operations ・relationship between energetic particles and MHD instability
11:00	4:00	22:00	21:00	19:00	H. Igami	NIFS	4 + 4	・Effect of the anisotropy of the electron velocity on the excitation of low whistler frequency waves via the nonlinear wave-wave coupling from the lower hybrid wave originated by high energy beam ions.
11:10	4:10	22:10	21:10	19:10	H. Funaba	NIFS	4 + 4	・Diagnostics of relativistic electrons by Thomson scattering in high electron temperature plasmas
11:20	4:20	22:20	21:20	19:20	Y. Fujiwara	NIFS	4 + 4	・Expansion of FICXS database
11:30	4:30	22:30	21:30	19:30	**Lunch**			
					Spectroscopy			
13:30	6:30	0:30	23:30	21:30	S. Masuzaki	NIFS	4 + 4	・Sustainment of divertor detachment by using feedback controlled impurity seeding
13:40	6:40	0:40	23:40	21:40	M. Zhao	NIFS	4 + 4	・Deuterium retention in damaged tungsten
13:50	6:50	0:50	23:50	21:50	Y. Kawamoto	NIFS	4 + 4	・Evaluation Zeff in LHD
14:00	7:00	1:00	0:00	22:00	S. Morita	NIFS	4 + 4	・Effect of magnetic islands on impurity transport
					Turbulence			
14:10	7:10	1:10	0:10	22:10	R. Yanai	NIFS	4 + 4	・Investigating ECH beam broadening by density fluctuations
14:20	7:20	1:20	0:20	22:20	C. Moon	Kyushu Univ.	4 + 4	・Study of nonlinear interactions between multiple-scale fluctuations in edge stochastic region of LHD plasma.
14:30	7:30	1:30	0:30	22:30	S. Inagaki	Kyushu Univ.	4 + 4	・Up-hill gradient particle transport induced by turbulence in the LHD
14:40	7:40	1:40	0:40	22:40	N. Kenmochi	NIFS	7 + 6	・Feedback control of ECH using edge AI system ・Study of turbulence pulse properties during the minor collapse events of e-ITB
14:55	7:55	1:55	0:55	22:55	**Break**			
15:15	8:15	2:15	1:15	23:15	T. Kobayashi	NIFS	10 + 8	・Dependence of electron ITB threshold condition on isotope mass ・Magnetically driven divertor limit-cycle oscillation ・Direct quantification of ion heat flux using radial CXS view

Program - FY2021 LHD Research Forum

Wednesday, July 14, 2021

15:35	8:35	2:35	1:35	23:35	S. Nishimoto	Nagoya University	4 + 4	・Verification of the effect of magnetic field geometry on zonal flow in 3D confined configuration
15:45	8:45	2:45	1:45	23:45	H. Wenqing	SOKENDAI	4 + 4	・Measurement of high-frequency harmonic plasma density fluctuations with mode L-H mode transition using beam emission spectroscopy
15:55	8:55	2:55	1:55	23:55	M. Yoshinuma	NIFS	4 + 4	・Plasma behaviors at the boundary of the transition to the High Ion Temperature discharge
16:05	9:05	3:05	2:05	0:05	H. Takahashi	NIFS	4 + 4	・Investigation of Ti increase with high Z impurity in high Te/Ti condition
16:15	9:15	3:15	2:15	0:15	N. Tamura	NIFS	13 + 10	・Robustness assessment of methods to prevent an impurity accumulation ・Study of the interaction between neoclassical and turbulent transport in terms of impurity transport ・Investigation of the detailed spatial structure of impurity transport ・Effect of additional perturbations on the nonlocal transport phenomenon
16:40	9:40	3:40	2:40	0:40		**Break**		
17:00	10:00	4:00	3:00	1:00	C. Hidalgo	Ciemat	7 + 6	・On the influence of Alfven Eigenmodes in radial electric fields and transport in LHD ・On the physics of the density limit: turbulence spreading and SOL width
17:15	10:15	4:15	3:15	1:15	A. Alonso	CIEMAT	4 + 4	・Degradation of confinement in LHD and its relation to electromagnetic turbulence when approaching reactor-relevant thermal and fast-particle betas.
17:25	10:25	4:25	3:25	1:25	D. Carralero	CIEMAT	4 + 4	・Interstellarator characterization of core turbulence during enhanced performance regimes
17:35	10:35	4:35	3:35	1:35	F. Nespoli	PPPL	4 + 4	・Turbulence suppression and confinement improvement with boron powder injection
17:45	10:45	4:45	3:45	1:45	M. Beurskens	Max-Planck-Institut für Plasmaphysik	4 + 4	・Ion turbulent transport and Ti clamping study in electron-heated plasmas with varying degree of neoclassical optimization in LHD compared to W7-X
17:55	10:55	4:55	3:55	1:55		**Adjourn**		

Program - FY2021 LHD Research Forum

Thursday, July 15, 2021

JP	EU		US					
JST	CEST	EDT	CDT	PDT	**Turbulence**		Presen + Q&A	
9:00	2:00	20:00	19:00	17:00	K. Tanaka	NIFS	13 + 10	・Overcome of Ti clumping by reducing turbulence ・Configuration dependence of anomalous transport from W7X and LHD comparison experiments ・Interaction between turbulence and fast ion ・Turbulence response in ITB formation
9:25	2:25	20:25	19:25	17:25	M. Nishiura	NIFS	10 + 8	・Perpendicular injection of EC beam from 1.5UO ・Core and edge turbulence in modulated ECH
9:45	2:45	20:45	19:45	17:45	M. Kobayashi	NIFS	4 + 4	・77, 154, and 300 GHz Collective Thomson scattering (CTS) diagnostics for bulk and fast ion. - Velocity and spatial profiles ・Effects of hydrogen isotope, edge magnetic field structure and impurity on turbulence spreading
9:55	2:55	20:55	19:55	17:55	**Break**			
10:15	3:15	21:15	20:15	18:15	T. Kinoshita	Kyushu university	4 + 4	・Non linearity of transport and turbulence in mixture plasma
10:25	3:25	21:25	20:25	18:25	I. Yamada	NIFS	4 + 4	・Study of the electron temperature anisotropy by using the LHD Thomson scattering system
10:35	3:35	21:35	20:35	18:35	H. Igami	NIFS	4 + 4	・Heat transport hysteresis with/without e-ITB during the peripheral 1st X-mode MECH
10:45	3:45	21:45	20:45	18:45	T. Tsujimura	NIFS	4 + 4	・Non-diffusive counter-gradient electron thermal transport and its turbulence properties
10:55	3:55	21:55	20:55	18:55	J. Cheng	Southwest Jiaotong University	4 + 4	・Isotope effects on plasma confinement properties and nonlinear interaction of multi-scale turbulence in LHD
11:05	4:05	22:05	21:05	19:05	A. Shimizu	NIFS	7 + 6	・Potential and density fluctuation measurement in e-ITB to study isotope effect ・2D profile of EGAM and its influence on the turbulence and radial transport of bulk plasmas
11:20	4:20	22:20	21:20	19:20	T. Tokuzawa	NIFS	7 + 6	・Study of High-k and low-k turbulences characteristics ・Turbulence Response in SOL
11:35	4:35	22:35	21:35	19:35	**Lunch**			
					Multi-Ion			
13:30	6:30	0:30	23:30	21:30	H. Funaba	NIFS	4 + 4	・Partial pressure measurement of neutral gases by the Penning gauge spectroscopy
13:40	6:40	0:40	23:40	21:40	R. Yanai	NIFS	4 + 4	・ECH alignment
13:50	6:50	0:50	23:50	21:50	T. Ido	Kyushu University	4 + 4	・Influence of energetic particles on the formation of the electric potential profiles and impurity transport
14:00	7:00	1:00	0:00	22:00	W. Ko	Korea Institute of Fusion Energy	4 + 4	・Poloidal in-out Asymmetric Distributions of Core Toroidal Rotation by ECH
14:10	7:10	1:10	0:10	22:10	H. Nakano	NIFS	4 + 4	・Transport study in ECRH superposed ion ITB plasma
14:20	7:20	1:20	0:20	22:20	T. Tsujimura	NIFS	4 + 4	・Isotope effects in high-density ECH plasma after hydrogen isotope ice pellet injections
14:30	7:30	1:30	0:30	22:30	H. Kasahara	NIFS	10 + 8	・High density plasma heating using ICH, ECH and NBI. ・Harmonics cyclotron wave excitation through particle-wave interaction process during high ICRF heating ・Time evolution of particle confinement time on long-pulse plasma discharge.
14:50	7:50	1:50	0:50	22:50	**Break**			
15:10	8:10	2:10	1:10	23:10	R. Seki	NIFS	4 + 4	・Analyses of plasma transport and fast ion confinement with ICRF power modulation

Program - FY2021 LHD Research Forum

Thursday, July 15, 2021

15:20	8:20	2:20	1:20	23:20	V. Moiseenko	Institute of Plasma Physics of the National Science Center “Kharkiv Institute of Physics and Technology”	4 + 4	・Improved regimes of radio-frequency plasma start-up in LHD
15:30	8:30	2:30	1:30	23:30	M. van Berkel	DIFFER	4 + 4	・Investigation of particle transport by optimized multi-sinusoidal modulation
15:40	8:40	2:40	1:40	23:40	U. Wenzel	Max-Planck-Institut für Plasmaphysik	4 + 4	・Neutral pressure measurements with robust pressure gauges of the ITER type
15:50	8:50	2:50	1:50	23:50	C. P. Dhard	Max-Planck-Institut für Plasmaphysik	10 + 8	・Exposure of material samples into the edge plasma by means of the LHD manipulator ・Studying the dependence of neutral particle pressures in the divertor region on cryo-vacuum / NEG pumps operation ・ICRF plasma production in view of IC wall conditioning in W7-X
16:10	9:10	3:10	2:10	0:10	D. Moseev	Max-Planck-Institut für Plasmaphysik	7 + 6	・Effect of the 3-ion ICRF heating on impurity exhaust in stellarators ・Reconstruction of the 5D phase-space distribution function
16:25	9:25	3:25	2:25	0:25	S. Satake	NIFS	4 + 4	・Particle species dependence of impurity hole phenomenon
16:35	9:35	3:35	2:35	0:35	J. L. Velasco	CIEMAT	4 + 4	・Configuration dependence of the core impurity transport and impurity hole
16:45	9:45	3:45	2:45	0:45		**Break**		
17:05	10:05	4:05	3:05	1:05	M. Goto	NIFS	7 + 6	・Z-dependence of transport characteristics for the high-Ti plasmas ・Impurity transport study for the electron-root and ion-root regimes
17:20	10:20	4:20	3:20	1:20	B. Peterson	NIFS	4 + 4	・Study of poloidal and toroidal asymmetries during impurity seeding in LHD.
17:30	10:30	4:30	3:30	1:30	J. M. Garcia-Regana	CIEMAT	4 + 4	・Impact of impurities at non-trace concentration on the background plasma
17:40	10:40	4:40	3:40	1:40	A. Dinklage	Max-Planck-Institut für Plasmaphysik	4 + 4	・Mixture-induced phase transitions in multi-ion transport
17:50	10:50	4:50	3:50	1:50	S. Sereda	University of Wisconsin - Madison	4 + 4	・He exhaust property in helical divertor
18:00	11:00	5:00	4:00	2:00		**Adjourn**		

Program - FY2021 LHD Research Forum

Friday, July 16, 2021

JP	EU		US					Presen + Q&A	
JST	CEST	EDT	CDT	PDT	**Multi-Ion**				
9:00	2:00	20:00	19:00	17:00	E. Gilson	PPPL	4 + 4		・Initial experimental tests of lithium powder injection for plasma modification in stellarator geometries
9:10	2:10	20:10	19:10	17:10	R. Lunsford	Princeton Plasma Physics Laboratory	4 + 4		・Plasma conditioning and performance improvement in stellarator geometries through continuous boron carbide granule injection
9:20	2:20	20:20	19:20	17:20	Z. Sun	PPPL	4 + 4		・Effect of Lithium and Boron powder injection on long-term wall retention in LHD with Helium and Deuterium fueling
9:30	2:30	20:30	19:30	17:30	N. Ashikawa	NIFS	4 + 4		・Wall recycling control using low Z powder dropping and the change of their spatial distributions
9:40	2:40	20:40	19:40	17:40	Y. Yoshimura	NIFS	4 + 4		・Steady state particle balance of plasmas with active control of H/D gas-puffing and cryopumping
9:50	2:50	20:50	19:50	17:50		**Break**			
10:10	3:10	21:10	20:10	18:10	M. Shoji	NIFS	10 + 8		・The evaluation of the toroidal uniformity of the boron deposition on the divertor plates for the real-time boronization using the impurity powder dropper ・The radiation enhancement and triggering the island divertor detachment by direct supply of BN powders into the magnetic island in the LHD peripheral plasma using the IPD ・The observation of the three-dimensional trajectories of TESPEL ablation clouds in the LHD peripheral plasma for evaluation an impurity dust transport simulation code DUSTT
10:30	3:30	21:30	20:30	18:30	S. Masuzaki	NIFS	10 + 8		・Investigation of deuterium particle balance with and without divertor pumping during long pulse discharges ・Helium pumping with boron powder dropping ・Investigation of impurity seeding from inner port
10:50	3:50	21:50	20:50	18:50	G. Motojima	NIFS	13 + 10		・Wall exchange mechanism in multi-ions plasma ・The relation between plasma confinement and neutral particle on divertor condition ・Helium removal in helium beam experiments ・Transient wall exchange phenomena using long pulse discharge
11:15	4:15	22:15	21:15	19:15	K. Nagaoka	NIFS	4 + 4		・Ion Heating Experiment with He beam injection
11:25	4:25	22:25	21:25	19:25	H. Yamada	The University of Tokyo	4 + 4		・Accumulation of confinement data in the case of significant ion heating
11:35	4:35	22:35	21:35	19:35		**Lunch**			
13:30	6:30	0:30	23:30	21:30	Y. Fujiwara	NIFS	7 + 6		・A verification of helium beam depositions ・Observation of phase space distribution of fast helium ions by Fast-ion charge exchange spectroscopy diagnostic
13:45	6:45	0:45	23:45	21:45	S. kamio	NIFS	4 + 4		・Helium ion transport and exhaust in deuterium plasma during the steady-state operation
13:55	6:55	0:55	23:55	21:55	K. Hanada	Kyushu University	7 + 6		・He transport on LHD - Inside Plasma -
14:10	7:10	1:10	0:10	22:10	N. Tamura	NIFS	7 + 6		・He transport on LHD - Plasma Wall Interaction- ・Effect of a mixed-ion plasma on impurity transport ・Commissioning of impurity beam injections with NBI#5 into LHD plasmas
14:25	7:25	1:25	0:25	22:25	K. Ida	NIFS	7 + 6		・Mixing and non-mixing states of helium ion ・Transport in the isotope mixture plasma
14:40	7:40	1:40	0:40	22:40	K. Ida	NIFS	4 + 4		***Closing ANNOUNCEMENT***: The following schedule for the upcoming LHD experiment campaign
14:50	7:50	1:50	0:50	22:50		**End of Forum**			