

Exp. Run List in the 25th LHD Exp. Campaign

2024/0405 rev.12

Month	Cal. Week	Exp. Week	Date	SG	ID	Name	Proposal Title
Mar.	11	1	2024/3/11				
			2024/3/12				
			2024/3/13				
			2024/3/14	MAP	2682	Suguru Masuzaki	Effects of boronization on plasma facing surface
			2024/3/15	MAP	2829	Mikirou Yoshinuma	Observation of Ha emission during density collapse
	12	2	2024/3/18				
			2024/3/19	MAP	2719	Mamoru Shoji	The investigation of the impurity shielding performance of the LHD peripheral plasma using the Impurity Powder Dropper (a high plasma density condition)
			2024/3/19	TC	2763	Masaki Nishiura	Study on core density peaking and flattening in plasmas.
			2024/3/19	TC	2788	Ryoma Yanai	Investigation of electron heat pulse propagation in density peaking plasma in LHD
			2024/3/20	IA	2747	Kazuo Toi	Study of interactions of energetic ions with stable or weakly unstable Alfvén eigenmodes in high density LHD plasmas produced by ice pellet injection
			2024/3/20	MAP	2841	Kiyofumi Mukai	Effect of impurity seeding for divertor detachment on anomaly detection of radiative collapse
			2024/3/21	MAP	2727	Monika Kubkowska	Impurity behaviour study in LHD plasmas in experiment with triple TESPEL injection
			2024/3/21	IA	2744	Tatsuhiko Nasu	Investigation of cross-scale interaction between electron-scale and ion-scale turbulence
			2024/3/22	TC	2756	Hiroe Igami	Non-local heat transport from the peripheral region with using 1st X-mode ECH
2024/3/22	IA	2820	Belen Lopez-Miranda	Investigation of the impact of the fast-ion losses (FI) induced by pellet injection on the density limit in LHD plasmas			
2024/3/22	TC	2729	Naoki Kenmochi	Investigation of turbulence and heat propagation characteristics during e-ITB formation transition and back transition			

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Mar.	13	3	2024/3/25				
			2024/3/26	IA	2758	Hideo Nuga	Degradation of fast-ion confinement depending on NB power without EP-driven instability
			2024/3/26	IA	2770	Dmitry Moseev	Interplay of fast ions and impurities in LHD in hydrogen
			2024/3/26	IA	2706	Worathat Paenthong	Understanding Energetic Particle Distribution during Helically-Trapped Energetic-Ion-Driven Resistive Interchange Mode (EIC) in LHD Using Newly Developed Imaging Neutral Particle Analyzer (INPA)
			2024/3/26	IA	2762	Kiyofumi Mukai	Anomaly detection of radiation profile in radiative collapse
			2024/3/27	MAP	2716	Mamoru Shoji	The evaluation of the toroidal uniformity of the boron deposition on the divertor plates for effective real-time boronization using the impurity powder dropper (a low plasma density condition)
			2024/3/27	MAP	2718	Mamoru Shoji	The investigation of the impurity shielding performance of the LHD peripheral plasma using the Impurity Powder Dropper (a low plasma density condition)
			2024/3/27	MAP	2813	Tomoko Kawate	Spectroscopic studies of boron hydrides near plasma-facing materials during boron powder dropping experiments
			2024/3/28	MAP	2757	Takashi Nishizawa	Study of edge impurity transport by utilizing multiple spectroscopy diagnostics
			2024/3/28	MAP	2769	Tomasz Fornal	Impurity behaviour study in LHD plasmas using VUV spectroscopy in experiment with W TESPEL injections
			2024/3/29	IA	2706	Worathat Paenthong	Understanding Energetic Particle Distribution during Helically-Trapped Energetic-Ion-Driven Resistive Interchange Mode (EIC) in LHD Using Newly Developed Imaging Neutral Particle Analyzer (INPA)
			2024/3/29	IA	2762	Kiyofumi Mukai	Anomaly detection of radiation profile in radiative collapse
			2024/3/29	IA	2721	Akinobu Matsuyama	Spatiotemporal structure of local and global disturbance triggered by high Z (neon) doped hydrogen pellet injection
			2024/3/29	TC	2741	Sadayoshi Murakami	Demonstration of real-time ECH plasma control by the data assimilation system ASTI
2024/3/29	MAP	2821	Nerea Panadero	[Piggy-backed] Study of pellet fuelling efficiency dependence on magnetic configuration			
Apr.	14	4	2024/4/1				
			2024/4/2	TC	2608	Masaki Nishiura	Core and edge turbulence in modulated ECH
			2024/4/2	TC	2823	Ryoma Yanai	Turbulence characteristics in density-peaking plasma in LHD
			2024/4/2	TC	2737	Hikona Sakai	Comparison of turbulence driven transport between LHD and W7-X
			2024/4/3	MAP	2838	Daniel Medina Roque	Impurity confinement and transport dependence on electron temperature gradient
			2024/4/3	TC	2729	Naoki Kenmochi	Investigation of turbulence and heat propagation characteristics during e-ITB formation transition and back transition
			2024/4/4	IA	2824	Yuki Takemura	Stabilizing mechanism of MHD instability with island in relatively high density regime
			2024/4/4	IA	2721	Akinobu Matsuyama	Spatiotemporal structure of local and global disturbance triggered by high Z (neon) doped hydrogen pellet injection
			2024/4/4	TC	2732	Hiroshi Yamada	Assessment of geometrical effect on transport through quadrupole field scan
			2024/4/4	MAP	2821	Nerea Panadero	[Piggy-backed] Study of pellet fuelling efficiency dependence on magnetic configuration
			2024/4/5	TC	2622	Ryoma Yanai	Study of electron temperature fluctuation behaviour in e-ITB plasmas
			2024/4/5	TC	2698	Federico Nespoli	Joint Experiment on Effect of Impurities on Stellarator Performance
			2024/4/5	IA	2853	Jacobo Varela Rodriguez	Multiple AE resonances and transition to the hard MHD limit: enhanced EP transport during AE bursting activity

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		2024/4/8									
Apr.	15	5	2024/4/9	IA	2709	Shuhei Sumida	Validation of high-energy NB shine-through model				
			2024/4/9	TC	2790	Haruhisa Nakano	Transport study in ECRH superposed ion ITB plasma				
			2024/4/10	MAP	2772	Motoshi Goto	Spectroscopic analysis of detached plasma				
			2024/4/10	MAP	2776	Motoshi Goto	Boron ion intensity lines for measurements of the electron temperature and density				
			2024/4/10	TC	2858	Jacobo Varela Rodriguez	Characteristics of the radial mode structure of resistive interchange mode and its parameter dependence				
			2024/4/11	MAP	2717	Mamoru Shoji	The evaluation of the toroidal uniformity of the boron deposition on the divertor plates for effective real-time boronization using the impurity powder dropper (a high plasma density condition)				
			2024/4/11	IA	2779	Shuji Kamio	Observation of the fast-ion confinement degradation depending on the neutral beam power				
			2024/4/11	MAP	2827	Daniel Medina Roque	Transport studies of TESPEL injected impurities during impurity hole				
			2024/4/11	TC	2848	Naoki Tamura	Impurity effect on turbulent transport in magnetically-confined toroidal plasmas				
			2024/4/12	IA	2753	Hiroe Igami	Observation and control of the electron cyclotron mazer instability				
			2024/4/12	MAP	2773	Motoshi Goto	Tomographic analysis of helium atom emission line intensity				
						2024/4/15					
		16	6	2024/4/16	IA	2743	Ryosuke Seki	Investigation of instability driven by ICRF fast ion.			
				2024/4/16	IA	2705	Siriyaporn Sangaroon	Understanding the dependence of fast ion distribution on various magnetic field configurations using the newly installed Imaging Neutral Particle Analyzer (INPA)			
				2024/4/16	MAP	2748	Chandra Prakash Dhard	Exposure of material samples into the LHD edge plasma by means of the manipulator			
				2024/4/17	IA	2786	Hideaki Matsuura	Observation of gamma-rays emitted by Li-hydrogen isotopes reactions for fast ion diagnostics			
				2024/4/17	IA	2705	Siriyaporn Sangaroon	Understanding the dependence of fast ion distribution on various magnetic field configurations using the newly installed Imaging Neutral Particle Analyzer (INPA)			
				2024/4/18	IA	2802	Yuki Takemura	Collisionality dependence on shielding threshold of external RMP			
				2024/4/18	MAP	2812	Shinsuke Satake	transport analysis of heavy impurity ions in core plasma			
				2024/4/18	MAP	2826	Daniel Medina Roque	Study of the impact of turbulence reduction via boron injection on impurity confinement and transport			
				2024/4/18	MAP	2833	Hirohisa Hara	Calibration of Solar EUV Spectrometers and Validation of Diagnostic Capability for Solar High-Temperature Plasmas by LHD Experiments			
				2024/4/19	IA	2761	Dmitry Moseev	Impurity exhaust by 3-ion heating at LHD			
				2024/4/19	IA	2771	Dmitry Moseev	Interplay of fast ions and impurities in LHD in helium			
	2024/4/19	TC	2739	Tatsuhiko Nasu	Investigation of electron-scale turbulence characteristics and its influence to transport						
	2024/4/19	TC	2737	Hikona Sakai	Comparison of turbulence driven transport between LHD and W7-X						

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Apr.	17	7	2024/4/22				
			2024/4/23	MAP	2715	Mamoru Shoji	The sustainment of divertor detachment by injection of impurity dust particles into the magnetic island in the LHD peripheral plasma using the IPD
			2024/4/23	MAP	2775	Motoshi Goto	Database construction of boron ion emission lines
			2024/4/23	MAP	2809	Tetsutarou Oishi	Effect of boron impurity powder injection on tungsten impurity transport in the LHD core plasma
			2024/4/24	IA	2733	Naoki Kenmochi	Investigation of turbulence spreading phenomena by gradient scan experiments
			2024/4/24	IA	2768	Alexander Knieps	Stabilization of intrinsic detachment in high-beta operation
			2024/4/24	IA	2777	Alexander Knieps	Impact of enhanced stochastization in outward-shifted configuration on the detachment density threshold
			2024/4/25	IA	2735	Wataru Hayashi	Diagnosis of fast ions in quiescent plasmas for comparison to predicted neoclassical confinement
			2024/4/25	TC	2815	Shinsuke Satake	Verification of the effect of magnetic field geometry on zonal flow in 3D confined configuration
			2024/4/25	TC	2739	Tatsuhiko Nasu	Investigation of electron-scale turbulence characteristics and its influence to transport
			2024/4/26	MAP	2767	Izumi Murakami	Simultaneous multi-wavelength spectroscopies for validation on atomic data and spectroscopic modelings for highly charged ions
			2024/4/26	MAP	2778	Hiroshi Yamada	Solid hydrogen pellet injection to plasmas in extended operational regime
			2024/4/26	MAP	2793	Erhui Wang	Investigation of edge impurity transport in impurity-seeded detachment combined with high beta plasma
			2024/4/26	MAP	2821	Nerea Panadero	[Piggy-backed] Study of pellet fuelling efficiency dependence on magnetic configuration
May.	18	8	2024/4/29				
			2024/4/30				
			2024/5/1	TC	2754	Hideo Nuga	Validation of neutral beam current drive in LHD for numerical estimation
			2024/5/1	TC	2732	Hiroshi Yamada	Assessment of geometrical effect on transport through quadrupole field scan
			2024/5/2	IA	2801	Tokihiko Tokuzawa	Interaction between GAM and turbulence
			2024/5/2	TC	2854	Shin Kubo	Characteristics of millimeter wave vortex on heating, current drive, and propagation in high-density plasmas
			2024/5/2	TC	2741	Sadayoshi Murakami	Demonstration of real-time ECH plasma control by the data assimilation system ASTI
2024/5/3							

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May.	19	9	2024/5/6				
			2024/5/7				
			2024/5/8	TC	2760	Jaime De La Riva Villen	Characterization and modelling of the parallel dynamics of impurity ions with perpendicular and parallel and anti-parallel collinear NBI injection in reversed field configuration
			2024/5/8	TC	2789	Toshiki Kinoshita	Understanding Turbulence Suppression Mechanisms in Boron-IPD Experiments
			2024/5/8	TC	2834	Gen Motojima	Density limit in relation to edge turbulence
			2024/5/9	TC	2730	Naoki Kenmochi	Investigation of turbulence and heat propagation characteristics in modulated ECH experiments
			2024/5/9	TC	2783	Ichihiro Yamada	Experimental study of the electron temperature anisotropy by using the LHD Thomson scattering system
			2024/5/10	MAP	2759	Masahiro Kobayashi	Electron temperature locking at edge magnetic island during detachment
	2024/5/10	MAP	2799	Itsuki Sakon	Understanding of the evolution of cosmic organic dust in reaction with plasma		
	2024/5/13						
	2024/5/14	TC	2787	Ryohtaroh Ishikawa	Heating power dependence of heat transport		
	2024/5/14	TC	2840	Kenji Tanaka	Magnetic configuration effects in anomalous transport		
	2024/5/15	IA	2816	Henning Thomsen	CDC dynamics and rotational transform		
	2024/5/15	IA	2825	Daniel Den Hartog	Measurement of Plasma Dynamics during Core Density Collapse (CDC) in LHD		
	2024/5/16	MAP	2734	Chihiro Suzuki	Experimental identification of spectral lines from highly charged heavy ions		
	2024/5/16	MAP	2766	Daiji Kato	Construction of atomic data and plasma modeling toward understanding the origin of heavy elements		
	2024/5/16	MAP	2774	Motoshi Goto	Measurement of anisotropy in EVDF with polarization spectroscopy for Argon ion M1 lines		
	2024/5/16	MAP	2849	Kiyofumi Mukai	Study of poloidal and toroidal asymmetries during impurity seeding in LHD		
	2024/5/17	MAP	2810	Ryota Nishimura	Exploration of line emissions from tungsten ions in low charge states and the application to the study of impurity transport in the edge plasmas		
2024/5/17	MAP	2811	Hong Zhou	Investigation of turbulence characteristics and nonlinear coupling in turbulence spreading induced by RMP in ECH plasmas			
2024/5/17	TC	2783	Ichihiro Yamada	Experimental study of the electron temperature anisotropy by using the LHD Thomson scattering system			
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May.	21	11	2024/5/20					
			2024/5/21	MAP	2702	Yurii Kovtun	RF plasma production at relatively low magnetic fields for wall conditioning	
			2024/5/21	MAP	2703	Hjoerdis Bouvain	Mitigation of tungsten induced plasma termination and identification of transient transport mechanisms	
			2024/5/21	MAP	2833	Hirohisa Hara	Calibration of Solar EUV Spectrometers and Validation of Diagnostic Capability for Solar High-Temperature Plasmas by LHD Experiments	
			2024/5/21	MAP	2798	Shota Abe	Micro-trench measurement of incident ion angles and boron deposition at the divertor surface	
			2024/5/22	IA	2746	Jialei Wang	Validation of improved p-11B fusion reactivity using MeV ICRF tail ions in LHD	
			2024/5/22	IA	2780	Yutaka Fujiwara	Dependence of p-11B fusion reactivity on the boron density profile and fast ion confinement time	
			2024/5/22	IA	2781	Richard Magee	Study of the fast-ion acceleration by ICRF heating for p-11B fusion reaction	
			2024/5/23	MAP	2643	Suguru Masuzaki	Impact of impurity powder dropping on He plasma	
			2024/5/23	TC	2710	Naoto Tsujii	Validation of coupled ICRF wave and fast ion transport simulation codes at various ion species concentrations	
			2024/5/24	IA	2752	Hiroe Igami	Excitation of ultra higher harmonic ICEs with MHD instabilities during He beam injection	
			2024/5/24	IA	2857	Gunsu Yun	Sub-Alfvenic harmonic ICEs modulated by He beam injection	
			2024/5/24	TC	2846	Naoki Tamura	Confinement study between dimensionally similar H and He plasmas in LHD	
						2024/5/27		
		22	12	2024/5/28	IA	2711	Yuichi Kawachi	Direct observation of bulk phase space dynamics during the energetic particle driven Geodesic Acoustic Mode.
	2024/5/28			IA	2782	Eiichiro Kawamori	Measurement of fluctuation of electron velocity distribution function from high harmonics electron cyclotron emission	
	2024/5/28			IA	2830	Zhihong Lin	Manipulation of radial electric field using perpendicular neutral beam injection for improved confinement	
	2024/5/29			IA	2764	Kenichi Nagaoka	Phase-space structure of fast-ions interacting with Alfven waves	
	2024/5/29			MAP	2851	Sebastijan Brezinsek	Study of hydrogen molecular band emission in LHD: excited and ground state population as function of divertor conditions	
	2024/5/29			MAP	2798	Shota Abe	Micro-trench measurement of incident ion angles and boron deposition at the divertor surface	
	2024/5/30			IA	2712	Yuichi Kawachi	Investigation of interaction between broadband phase space dynamics and wide frequency range of fluctuations during the energetic particle induced MHD burst event.	
	2024/5/30			IA	2791	Katsumi Ida	Phase space dynamics triggered by MHD burst through Landau and transit-time damping	
	2024/5/30			IA	2794	Katsumi Ida	Wave-particle interaction at low frequency mode	
	2024/5/31			IA	2707	Tatsuya Kobayashi	Phase-space tomography experiment for MHD burst event	
	2024/5/31			TC	2723	Hisamichi Funaba	Diagnostics of relativistic electrons by Thomson scattering in high electron temperature plasmas	
2024/5/31	IA	2828	Andreas Kramer-Flecken	Compare trapped electron modes in W7-X and LHD				
2024/5/31	MAP	2799	Itsuki Sakon	Understanding of the evolution of cosmic organic dust in reaction with plasma				



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Jun.	23	13	2024/6/3				
			2024/6/4	TC	2800	Tokihiko Tokuzawa	Turbulence response at both L-H and H-L transition
			2024/6/4	TC	2822	Akihiro Shimizu	Interaction of EGAM, the turbulence and the radial transport
			2024/6/4	TC	2847	Naoki Tamura	Effect of a mixed-ion plasma on impurity transport in NBI heated plasmas
			2024/6/4	TC	2846	Naoki Tamura	Confinement study between dimensionally similar H and He plasmas in LHD
			2024/6/5	MAP	2751	Uwe Wenzel	Influence of the magnetic configuration on the subdivertor pressure (clockwise field)
			2024/6/5	MAP	2755	Takashi Nishizawa	Impurity flow reversal in open filed lines
			2024/6/5	TC	2845	Won-Ha Ko	The study of the density dependence of ion transport in LHD for ITER operation
			2024/6/5	TC	2722	Toshiki Kinoshita	Real-time plasma control under low-turbulence conditions focusing on turbulent transition
			2024/6/6	TC	2704	Yoshiaki Ohtani	Investigation of the central negative diffusivity during the density modulation.
			2024/6/6	TC	2740	Makoto Sasaki	Relation between plasma profile corrugations including transport barrier and magnetic field configurations
			2024/6/6	TC	2742	Tatsuhiko Nasu	Electron-scale turbulence on zero gradient
			2024/6/6	TC	2831	Dionysi Damaskopoulos	<b>[Piggy-backed]</b> Exploration of main-ion transport experiments in LHD using gas-puff modulation
	2024/6/7	IA	2797	Shu Ito	MHD instability suppression by RMP field		
	2024/6/7	IA	2807	Mingzheng Gong	Development of C-ECE for measuring temperature fluctuation inside/outside e-ITB		
	2024/6/7	IA	2795	Osamu Mitarai	Plasma shape effect on bootstrap current in high collisional regime in LHD		
	24	14	2024/6/10				
			2024/6/11	MAP	2749	Marcin Jakubowski	Development of steady-state detachment scenarios at LHD
			2024/6/11	MAP	2750	Uwe Wenzel	Long-pulse steady-state shots in the 3.55 m configuration
			2024/6/11	MAP	2748	Chandra Prakash Dhard	Exposure of material samples into the LHD edge plasma by means of the manipulator
			2024/6/12	TC	2805	Yasuaki Kishimoto	Study on the effect of magnetic shear on mode structure and associated tubulent transport
			2024/6/12	TC	2856	Takeshi Ido	Effect of the electric field on impurity transport
			2024/6/12	TC	2738	Hikona Sakai	Real-time plasma control using turbulence level signal
2024/6/12			TC	2722	Toshiki Kinoshita	Real-time plasma control under low-turbulence conditions focusing on turbulent transition	
2024/6/13			MAP	2665	Suguru Masuzaki	Sustainment of divertor detachment by using feedback control impurity seeding	
2024/6/13			MAP	2708	Lunsford Robert	Plasma modification and supplemental wall conditioning through lithium granule introduction	
2024/6/13			MAP	2835	Gen Motojima	The relation between plasma confinement and edge neutral particle	
2024/6/13			MAP	2836	Gen Motojima	The application of divertor pumping to long pulse discharge in Rax = 3.55m	
2024/6/14			TC	2700	Federico Nespoli	Effect of boron powder injection on density limit	
2024/6/14			TC	2745	Kazuo Toi	Study of MHD equilibrium, global stability and transport phenomena in an LHD plasma with zero rotational transform layer	
2024/6/14	TC	2738	Hikona Sakai	Real-time plasma control using turbulence level signal			
2024/6/14	TC	2722	Toshiki Kinoshita	Real-time plasma control under low-turbulence conditions focusing on turbulent transition			
2024/6/14	TC	2803	Kenji Tanaka	<b>[Piggy-backed]</b> Role of turbulence in density limit			

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		2024/6/17					
Jun.	25	15	2024/6/18	IA	2796	Kiyomasa Watanabe	Construction of the experimental scaling law of the external RMP penetration threshold
			2024/6/18	IA	2855	Shinji Kobayashi	Stochastic acceleration using non-resonant microwave heating
			2024/6/18	IA	2795	Osamu Mitarai	Plasma shape effect on bootstrap current in high collisional regime in LHD
			2024/6/19	TC	2701	Yurii Kovtun	ICRF plasma production and heating
			2024/6/19	TC	2741	Sadayoshi Murakami	Demonstration of real-time ECH plasma control by the data assimilation system ASTI
			2024/6/20	MAP	2645	Suguru Masuzaki	Super-long pulse discharge with integrated operation - IPD, impurity seeding, RMP -
			2024/6/20	MAP	2699	Federico Nespoli	Siliconization via powder injection
			2024/6/21				