

Experimental Schedule of LHD 24th Campaign (Oct. 2022)

Mon	Tue	Wed	Thu	Fri
W2, Oct. 3	Oct. 4	Oct. 5	Oct. 6	Oct. 7
	K. Ida/M. Kobayashi	R. Sakamoto/M. Goto	S. Masuzaki/N. Tamura	K. Tanaka/K. Nagaoka
	CW: TG1/TG2	CW: TG1/TG3	CW: TG1/TG3	CW: TG1/TG4/TG1
	T. Kobayashi	M. Kobayashi/T. Kawate	T. Oishi	Y. Takemura/H. Kasahara
Maintenance day	[ECH] Commissioning [J. Varela] Shear flows by EIC [T. Kinoshita] Turbulence transition [T. Nasu] ETG turbulence threshold [K. Tanaka] Configuration effects of IPD	[ECH] Commissioning [B. Peterson] Pol. and tor. asymmetries [M. Shoji] Toroidal uniformity of B deposition [A. Lagenberg] Imp. transport using TESPEL	[ICH] Commissioning [T. Nishizawa] Edge impurity transport	[ICH] Commissioning [A. Knipes] Edge trans. by Stochastization [H. Igami] EBE [M. Shoji] Impurity shielding using IPD
W3, Oct. 10	Oct. 11	Oct. 12	Oct. 13	Oct. 14
		M. Osakabe/M. Kobayashi	K. Ida/T. Tokuzawa	M. Isobe/M. Goto
		CCW: TG4/TG2/TG1	CW: TG1/TG4	CCW: TG4
		K. Nagaoka/T. Tokuzawa/G. Motojima	M. Kobayashi/R. Seki	N. Kenmochi
National holiday	Maintenance day	[H. Igami] EC mazer instability [Y. Yoshimura] 3rd harmonic ECH [A. Knipes] Intrinsic detachment [H. Sakai] Isotope effect of ion ITB [K. Saito] ICRF antenna property	[K. Saito] ICRF antenna property [R. Lunsford] Li IPD test [E. Wang] Edge imp. trans. in detachment [A. Dinklage] Plasma termination mitigation	[S. Masuzaki] FB imp. control for detachment [M. Kobayashi] High rad. detachment [M. Kobayashi] FB EC control for detachment [Y. Isobe] Data driven for detachment [K. Mukai] Anomaly detection of rad. profile
W4, Oct. 17	Oct. 18	Oct. 19	Oct. 20	Oct. 21
	S. Masuzaki/Y. Takemura	K. Tanaka/M. Kobayashi	R. Sakamoto/N. Tamura	M. Osakabe/K. Nagaoka
	CCW: TG3	CCW: TG4/TG1/TG2	CW: TG3/TG2	CCW: TG3/TG1
	T. Kawate/M. Yoshinuma	Y. Takemura/H. Kasahara/A. Shimizu	T. Kawate/T. Tokuzawa	T. Oishi/G. Motojima
Maintenance day	[A. Matsuyama] Ablation of Ne and H pellets [N. Panadero] Hydrogen isotopes pellet [T. Fornal] Imp. transport with TESPEL [T. Fornal] Imp. transport with TESPEL [M. Kubkowska] Imp. transport with TESPEL	[H. Matsuura] Knock-on tail formation [S. Kamio] Fast-ion stiffness in AEs [B. Peterson] Pol. and tor. asymmetries [J. Cheng] Isotope effects on confinement	[S. Gupta] Highly charged Kr and Xe [T. Kawate] Recycling of heavy elements [M. Nishiura] Turbulence in modulated ECH [A. Shimizu] Fluctuation in e-ITB	[I. Murakami] Simultaneous multi-k spec. [R. Hutton] Tungsten around W36+ [T. Oishi] Charge state range of W ions [C.P. Dhard] Exposure of material samples [I.C. Chan] He density profile [N. Tamura] Characteristics of He plasma [G. Motojima] Helium removal
W5, Oct. 24	Oct. 25	Oct. 26	Oct. 27	Oct. 28
R. Sakamoto/N. Tamura	K. Ida/T. Tokuzawa	M. Isobe/M. Goto	S. Masuzaki/Y. Takemura	K. Tanaka/K. Nagaoka
CCW: TG1/TG3	CCW: TG4	CCW: TG1/TG3	TBD: TG2	CW: TG2
M. Kobayashi/M. Yoshinuma	Y. Takemura	H. Kasahara/T. Oishi	A. Shimizu	M. Nishiura
Maintenance in the morning	[R. Magee] p-11B alpha particles [H. Thomsen] CDC dynamics and iota	[A. Dinklage] Multi-ion transport [H. Nakano] ECRH superposed i-ITB plasma [C. Suzuki] Highly charged heavy ions [D. Kato] Heavy element nucleosynthesis [F. Koike] Highly charged rare earth ions [H. Hara] Calibration of solar EUV	[T. Kobayashi] Phase space tomography [T. Tsujimura] Non-diffusive transport	[T. Nasu] Enhanced control of ZF [T. Nasu] Coupling of e- and i-scale turb. [R. Yanai] Te fluctuation in e-ITB plasmas [H. Sakai] FB controle using turbulence level
[I. Sakon] Cosmic organic dust [M.Kobayashi] Te locking to magnetic island				

Experimental Schedule of LHD 24th Campaign (Nov. 2022)

Mon	Tue	Wed	Thu	Fri
W6	Nov. 1	Nov. 2	Nov. 3	Nov. 4
	K. Ida/T. Tokuzawa	M. Osakabe/M. Kobayashi	R. Sakamoto/N. Tamura	M. Isobe/M. Goto
	CCW: TG4/TG3	CCW: TG2/TG3	CCW: TG4	CW: TG1/TG3
	N. Kenmochi/T. Oishi	T. Tokuzawa/T. Kawate	R. Seki	G. Motojima/M. Yoshinuma
	[A. Dinklage] Plasma termination mitigation [A. Cappa] AEs activity in low ne plasmas. [T. Fornal] Imp. transport with TESPEL [M. Kubkowska] Imp. transport with TESPEL	[G. Motojima] Density limit by edge trans. [H. Sakai] FB controle using turbulence level [H. Igami] Anisotropy of the electron velocity [R. Yanai] Optimum ECH for plasma initiation [T. Kawate] Anisotropic electron velocity	[M. Osakabe] AE excitation by multiple EPs [K. Ogawa] Beam ion transport due to TAE [S. Sharapov] EC effects on EP-driven AEs	[N. Ashikawa] Recycling control using IPD [N. Tsujii] Wave-particle interactions in ICH [R. Seki] ICRF-EP and MEGA [J.R. Villén] Parallel dynamics of impurities
W7, Nov. 7	Nov. 8	Nov. 9	Nov. 10	Nov. 11
	S. Masuzaki/Y. Takemura	K. Tanaka/M. Kobayashi	K. Ida/N. Tamura	M. Osakabe/K. Nagaoka
	CW: TG1	CCW: TG1	CW: TG2	CW: TG4
	M. Kobayashi	H. Kasahara	T. Kobayashi	N. Kenmochi
Maintenance day	[H. Kasahara] Mode conversion wave [H. Kasahara] Deformed velocity distribution [S. Satake] Isotope effect on impurity hole [S. Masuzaki] Edge profiles by fast LP [W.H. Ko] Vt asymmetry by ECH	[A. Dinklage] Multi-ion transport [D. Moseev] Impurity exhaust by ICH [I.C. Chan] He profile in mixture plasmas [S. Masuzaki] D retention in damaged W [S. Masuzaki] Edge profiles by fast LP [W.H. Ko] Vt asymmetry by ECH	[A. Shimizu] 2D profile of EGAM [D. Moseev] Turbulence stabilisation by EPs [T. Kinoshita] Turbulence transition [H. Takahashi] ne- and temperature-ITBs	[W. Heidbrink] Er dependence of EP transport [S. Kamio] Fast-ion stiffness in AEs [S. Sangaroon] Passing and trapped EPs [M. Isobe] Energetic-particle anisotropy
W8, Nov. 14	Nov. 15	Nov. 16	Nov. 17	Nov. 18
	R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto	S. Masuzaki/Y. Takemura	K. Tanaka/M. Goto
	CW: TG2	CCW: TG4	CCW: TG3/TG4	CCW: TG1/TG4
	M. Nishiura	K. Nagaoka	T. Oishi/K. Nagaoka	G. Motojima/R. Seki
Maintenance day	[L. Bardoczi] Flow bifurcation and turbulence [A. Shimizu] Fluctuation in e-ITB [N. Kenmochi] Non-local trans. by multi-ion [N. Tamura] Preventing an imp. accum.	[K. Nagasaki] MHD control by actuators [K. Nagaoka] ECCD on saturated EP profile [H. Nuga] Validation of NBCD	[W. Hayashi] EP in quiescent plasmas [Y. Kawamoto] Slowing down of EPs [Y. Kawachi] ICH on EP driven instability [Y. Kawachi] Phase space dynamics of EPs [H. Igami] Nonlinear wave-wave coupling	[H. Igami] Ultra higher harmonic ICES [N. Tamura] Optimal He beam injection [N. Tamura] Mixed-ions on imp. transport [G. Motojima] Helium removal [J. Lestz] Dependence of ICE on Eps
W9, Nov. 21	Nov. 22	Nov. 23	Nov. 24	Nov. 25
	K. Ida/N. Tamura	M. Osakabe/M. Kobayashi	R. Sakamoto/T. Tokuzawa	M. Isobe/K. Nagaoka
	CW: TG3	CCW: TG2	CCW: TG4	CW: TG1/TG2
	M. Yoshinuma	T. Tokuzawa	R. Seki	M. Kobayashi/M. Nishiura
Maintenance day	[S. Kamio] Effect of Te on EP distribution [Y. Kawachi] ICH on EP driven instability [W. Hayashi] EP in quiescent plasmas [Y. Kawamoto] Slowing down of EPs [T. Nishizawa] Edge impurity transport	[S. Inagaki] META-stellarator [A. Dinklage] Magnetic islands on BSC [H. Igami] Iota effect on e-ITB [A. Dinklage] FF control of pellet fueling [J. Cheng] Isotope effects on confinement	[M. Isobe] Extension of Sn and Q database [K. Ogawa] Alpha particle simulation [H. Nuga] Beam-beam fusion reaction [S. Kamio] Fast-ion stiffness in Aes	[C.P. Dhard] Exposure of material samples [G. Motojima] Wall D/H recycling after pellet [N. Kenmochi] Isotope effects on e-ITB [T. Nasu] ETG turbulence threshold
W10, Nov. 28	Nov. 29	Nov. 30		
	S. Masuzaki/Y. Takemura	K. Tanaka/M. Kobayashi		
	CCW: TG2	CW: TG1		
	T. Tokuzawa	H. Kasahara		
Maintenance day	[K. Ida] Low-f turb. on velocity distribution [H. Takahashi] IPD on high Ti plasmas [M. Yoshinuma] Boundary of high Ti [S. Murakami] Real-time control by ASTI	[Y. Kovtun] Plasma ICRH production [G. Motojima] Wall D/H recycling after pellet [H. Nakano] ECRH superposed i-ITB plasma [N. Kenmochi] Isotope effects on e-ITB		

Experimental Schedule of LHD 24th Campaign (Dec. 2022)

Mon	Tue	Wed	Thu	Fri
W10			Dec. 1	Dec. 2
			R. Sakamoto/N. Tamura	M. Osakabe/K. Nagaoka
			CCW: TG4	CW: TG1
			K. Nagaoka	G. Motojima
			[Y. Takemura] Edge instability with collapse [S. Kobayashi] Anisotropic electrons [S. Ohdachi] Fluc. pattern in L/H transition	[H. Kasahara] SSO with ICH [R. Seki] Minority optimization for ICH-SSO [S. Masuzaki] Heat load and recycling in SSO [U. Wenzel] ITER-type pressure gauges
W11, Dec. 5	Dec. 6	Dec. 7	Dec. 8	Dec. 9
	K. Ida/T. Tokuzawa	M. Isobe/M. Goto	S. Masuzaki/Y. Takemura	K. Tanaka/K. Nagaoka
	CW: TG1	CW: TG1/TG2/TG3	CCW: TG2	CCW: TG1/TG3
	M. Kobayashi	H. Kasahara/T. Tokuzawa/M. Yoshinuma	T. Kobayashi	G. Motojima/T. Kawate
Maintenance day	[D.M. Roque] LBO and TESPEL into imp. hole [G. Motojima] Plasma confinement and NP [S. Satake] Isotope effect on impurity hole [M. Nishiura] Imp. trans. with ITB [Z. Jiang] Validation of 0-D wall model	[M. Shoji] Toroidal uniformity of B deposition [W. Hu] Harmonic density fluctuations [H. Funaba] Relativistic electrons in high Te [I. Yamada] Te anisotropy [I. Yamada] Non-Maxwellian electrons [K. Yanagihara] ECH in high Te and low ne	[G. Motojima] Density limit by edge trans. [M. Nishiura] CTS [C. Moon] Multiple-scale edge fluctuations [D. Moseev] Turbulence stabilisation by EPs [H. Sakai] Isotope effect of ion ITB [K. Tanaka] Configuration effects of IPD	[H. Igami] Ultra higher harmonic ICHs [N. Tamura] Optimal He beam injection [S. Sereda] He exhaust property [G. Motojima] Helium removal [H. Funaba] Relativistic electrons in high Te [I. Yamada] Te anisotropy [I. Yamada] Non-Maxwellian electrons [K. Yanagihara] ECH in high Te and low ne
W12, Dec. 12	Dec. 13	Dec. 14	Dec. 15	Dec. 16
	K. Ida/N. Tamura	M. Osakabe/M. Kobayashi	R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto
	CW: TG1/TG2	CCW: TG4/TG1	CW: TG2/TG4	CCW: TG4
	M. Kobayashi/T. Kobayashi	N. Kenmochi/H. Kasahara	T. Kobayashi/Y. Takemura	R. Seki
Maintenance day	[G. Motojima] Plasma confinement and NP [G. Motojima] Wall D/H recycling after pellet [N. Kenmochi] Isotope effects on e-ITB [N. Kenmochi] Non-local trans. by multi-ion [A. Dinklage] Magnetic islands effect on BSC [H. Igami] Iota effect on e-ITB	[X. Dai] Pellet ablation and particle fueling [A. Dinklage] Multi-ion transport [D.M. Roque] Z-Dependence transport [D. Moseev] Impurity control by sawtooth [I.C. Chan] He profile in mixture plasmas	[T. Kinoshita] Density- and magnetic-fluc. [S. Kamio] Fast-ion stiffness in AEs [T. Ido] Spatial structures of density fluc. [Y. Takemura] Sawtooth-like oscillation	[K. Watanabe] RMP penetration threshold [K. Watanabe] Div. pumping on RMP penet. [Y. Mori] Shielding external RMP by plasmas [T. Tsujimura] Parametric decay instability
W13, Dec. 19	Dec. 20	Dec. 21	Dec. 22	Dec. 23
	S. Masuzaki/Y. Takemura	K. Tanaka/M. Kobayashi	K. Ida/N. Tamura	M. Osakabe/K. Nagaoka
	CW: TG2/TG4	CW: TG4	CCW: TG4	CCW: TG3/TG1
	A. Shimizu/N. Kenmochi	Y. Takemura	K. Nagaoka	T. Oishi/G. Motojima
Maintenance day	[T. Tokuzawa] GAM eigenmode 2D structure [F. Nespoli] IPD on turb. and performance [K. Tanaka] Configuration effects of IPD [K. Toi] Non-collisional energy transfer in RSC [K. Toi] Stability and transport with zero iota	[S. Ito] MHD suppression by RMP field [K. Mukai] Anomaly detection of rad. profile [Y. Suzuki] Study of topological bifurcation	[J. Varela] Core mode control [O. Mitarai] BSC in the inwardly shifted config. [M. Kobayashi] FB EC control for detachment	[S. Morita] RMP effect on density buildup [C.P. Dhard] Exposure of material samples [S. Masuzaki] Impact of IPD on He plasma
W14, Dec. 26	Dec. 27			
R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto			
CCW: TG1	TBD: TG4/TG2/TG1			
M. Kobayashi	N. Kenmochi/T. Tokuzawa/H. Kasahara			
Maintenance in the morning	[Y. Yoshimura] Collapse with Serpens-mode [(S. Murakami)] Real-time control by ASTI [S. Masuzaki] D retention in damaged W [H. Kasahara] SSO with ICH [G. Motojima] Divertor pumping to H-SSO [U. Wenzel] ITER-type pressure gauges			
[H. Funaba] Penning gauge [I. Sakon] Cosmic organic dust [S. Masuzaki] Heat load and recycling in SSO [V. Moiseenko] ICRH plasma start-up				