

Experimental Schedule of LHD 23rd Campaign (Oct. 2021)

Every Monday is a maintenance day.

Tue	Wed	Thu	Fri
			Oct. 1
Oct. 5	Oct. 6	Oct. 7	Oct. 8
Oct. 12	Oct. 13	Oct. 14	Oct. 15
		K.Ida/N. Tamura	M. Osakabe/M. Kobayashi
		TG1	TG1
		M. Kobayashi	G. Motojima
		[R. Yanai] ECH alignment [C.P. Dhard] Material exposure [U. Wenzel] New pressure gauges	[M. van Berkel] Particle transport [M. Shoji] Impurity shielding
Oct. 19	Oct. 20	Oct. 21	Oct. 22
R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto	S. Masuzaki/Y. Takemura	K. Tanaka/K. Nagaoka
TG1/TG3/TG1	TG1/TG2	TG1/TG4/TG3	TG1/TG3/TG1
T. Oishi/H. Kasahara	T. Tokuzawa	Y. Takemura/T. Kawate	T. Oishi/M. Kobayashi
[ECH/ICH/NBI] Heating comissioning [I. Murakami] Multi lambda spectroscopies [F. Koike] Rare earth spectroscopies [D. Kato] W M1 spectroscopies [B.J. Peterson] Radiation asymmetries [M. Shoji] Radiation and detachment	[ECH/ICH/NBI] Heating comissioning [M. Nishiura] Core and edge turbulence [R. Yanai] ECH beam broadening [A. Shimizu] Fluctuation in e-ITB	[ECH/ICH/NBI] Heating comissioning [Y. Takemura] Sawtooth-like oscillation [S. Ito] RMP effect on MHD instability [J. Romazanov] Carbon erosion [F. Ding] Inward impurity transport [H. Yamaguchi] Fe spectroscopies	[ECH/ICH/NBI] Heating comissioning [T. Oishi] Tungsten spectroscopies [T. Kawate] Ion distribution in low B [M. Goto] Impurity transport [C.P. Dhard] Material exposure
Oct. 26	Oct. 27	Oct. 28	Oct. 29
K. Ida/N. Tamura	M. Osakabe/M. Kobayashi	R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto
TG1/TG2	TG3	TG2	TG2
G. Motojima/T. Tokuzawa	M. Yoshinuma	T. Tsujimura	T. Kobayashi
[S. Satake] Impurity hole [N. Ashikawa] Wall recycling control [A. Dinklage] Multi-ion transport [M. Yoshinuma] Transition to High Ti	[H. Funaba] Relativistic electrons by TS [Y. Kawamoto] Zeff evaluation [A. Matsuyama] Ne-doped pellet [S. Masuzaki] Feedback detachment	[N. Tamura] Impurity transport [M. Kobayashi] Turbulence spreading in SOL [S. Nishimoto] Zonal flow in 3D	[M.Beurskens, K.Tanaka] Turbulent transport [K. Tanaka] Turbulence in ITB [N. Kenmochi] Collapse of e-ITB

Experimental Schedule of LHD 23rd Campaign (Nov. 2021)

Every Monday is a maintenance day.

Tue	Wed	Thu	Fri
Nov. 2	Nov. 3	Nov. 4	Nov. 5
S. Masuzaki/Y. Takemura		K. Tanaka/K. Nagaoka	K. Ida/N. Tamura
TG1/TG2		TG4/TG1/TG3	TG4
H. Kasahara/T. Kobayashi		S. Kamio/M. Kobayashi/M. Yoshinuma	K. Nagaoka
[H. Yamada] Global confinement [M. Goto] Impurity transport in Hi-Ti plasma [M. Yoshinuma] Transition to High-Ti plasma [J. Cheng] Isotope effect in multi-scale turb.	National holiday	[M. Kobayashi] Detachment with 0.5 T [N. Ashikawa] Carbon IPD [R. Bussiahn] Multi-tracer TESPEL	[T. Tokuzawa] Turb. struct. in L-H transition [A. Knieps] Beta-driven stochastization [M. Zarnstorff] High beta by B-IPD [K. Ida] Landau damping
Nov. 9	Nov. 10	Nov. 11	Nov. 12
M. Osakabe/M. Kobayashi	R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto	S. Masuzaki/Y. Takemura
TG4/TG2	TG2/TG1/TG3	TG3/TG4	TG4
S. Kamio/T. Tsujimura	T. Tokuzawa/G. Motojima/M. Goto	T. Oishi/Y. Takemura	S. Kamio
[H. Nuga] Non-linear Coulomb collision [H. Matsuura] Knock-on tail [Y. Suzuki] Rational surf. effect on transition [F. Nespoli] Turbulence control by B-IPD [A. Alonso] Conf. degradation and turbulence	[A. Shimizu] 2D profile of EGAM [M. Yoshinuma] Fueling by H- and D-NBIs [M. Goto] Thermal trans. with a temp. hole [R. Yanai] ECH broadening by ne fluc.	[Y. Fujiwara] FICXS database [C.M. Muscatello] nNBI fast ions with FIDA [T. Yokoyama] Prediction of rad. collapse	[K. Ogawa] Fast ion transport by TAE [S. Kamio] Beam ion transport by TAE [H. Matsuura] Knock-on tail
Nov. 16	Nov. 17	Nov. 18	Nov. 19
K. Tanaka/K. Nagaoka	M. Osakabe/N. Tamura	M. Osakabe/M. Kobayashi	M. Isobe/M. Goto
TG2/TG3	TG4	TG4	TG3/TG1
T. Kobayashi/T. Kawate	K. Nagaoka	K. Nagaoka	T. Oishi/M. Kobayashi
[T. Kobayashi] Ion heat flux quantification [A. Shimizu] Pot. and ne fluctuations in e-ITB [M. Kubkowska] Impurity trans. using TESPEL [T. Fornal] Light impurity trans.	[H. Igami] Whistler wave excitation [Y. Yoshimura] Fast electron by 116 GHz ECH [K. Nagasaki] Active ctrl. of EP-driven MHD [H. Nuga] NBCD study	[S. Sharapov] EC effects on EP-driven AE [J. Jo] Phase-space distr. for triton conf. [Y. Fujiwara] Te effect on fast ion distr.	[Y. Fujiwara] FICXS database [C.M. Muscatello] nNBI fast ions with FIDA [W.H. Ko] Pol. asym. of tor. Rotation [N. Tamura] Commissioning of he beam [Y. Fujiwara] He beam and FICXS [G. Motojima] Helium removal
Nov. 23	Nov. 24	Nov. 25	Nov. 26
	R. Sakamoto/T. Tokuzawa	S. Masuzaki/Y. Takemura	K. Tanaka/K. Nagaoka
	TG3/TG4	TG4	TG4/TG2/TG1
	T. Oishi/N. Kenmochi	S. Kamio	N. Kenmochi/T. Tokuzawa/G. Motojima
National holiday	[Y. Fujiwara] FICXS database [C.M. Muscatello] nNBI fast ions with FIDA [H. Nuga] Anisotropic pressure	[J. Jo] Phase-space distr. for triton conf. [Y. Fujiwara] Te effect on fast ion distr. [W. Heidbrink] EP trans. in quiescent plasma	[H. Nuga] Beam-beam fusion fraction [I. Yamada] Test of the forward TS [M. Shoji] Effect of the IPD (B and BN) [S. Masuzaki] Detachment in outward config. [H. Kasahara] Cyclotron wave excitation [C.P. Dhard] Neutral pressure
Nov. 30			
K. Ida/N. Tamura			
TG2			
T. Tsujimura			
[T. Kobayashi] Divertor LCO [K. Tanaka] Fast ion effect on turb. [T. Tokuzawa] Turb. response in SOL			

Experimental Schedule of LHD 23rd Campaign (Dec. 2021)

Every Monday is a maintenance day.

Tue	Wed	Thu	Fri
	Dec. 1	Dec. 2	Dec. 3
	K. Ida/M. Kobayashi	R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto
	TG4	TG2	TG1/TG4
	Y. Takemura	T. Tokuzawa	H. Kasahara/N. Kenmochi
	[R. Yanai] EBW heating [T. Seki] Beam ion acceleration by ICH [T. Seki] Neutron and EP generation by ICH	[N. Tamura] Nonlocal transport [M. Yoshinuma] Transition to High-Ti plasma [T. Tokuzawa] Multi-scale turb. [H. Igami] Heat transport hysteresis in e-ITB	[D. Moseev] 5D phase-space [C.P. Dhard] Neutral pressure [H. Kasahara] Dense plasma heating [Y. Suzuki] Topological bifurcation
Dec. 7	Dec. 8	Dec. 9	Dec. 10
S. Masuzaki/Y. Takemura	M. Osakabe/K. Nagaoka	K. Ida/N. Tamura	K. Tanaka/M. Kobayashi
TG2	TG4/TG1	TG4	TG4/TBD
T. Tsujimura	S. Kamio/M. Kobayashi	K. Nagaoka	N. Kenmochi/TBD
[T. Tsujimura] Heat trans. in positive Te grad. [M. Nishiura] Turb. response by MECH	[S. Sangaroon] Fast-ion velocity distribution [J. Lestz] IC range instabilities [D. Moseev] 5D phase-space [W.H. Ko] Pol. asym of tor. Rotation [G. Motojima] Wall exchange	[M. Kobayashi] Detachment with RMP [K. Mukai] Detachment with impurity seeding [S. Masuzaki] Asym. of divertor flux [H. Yamada] Data-driven for detachment	[N. Tamura] Plasma termination [K. Mukai] Detachment with impurity seeding [S. Masuzaki] Asym. of divertor flux [TBD] TBD
Dec. 14	Dec. 15	Dec. 16	Dec. 17
R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto	S. Masuzaki/Y. Takemura	K. Tanaka/K. Nagaoka
TG1/TG4	TG2	TG1	TG1/TG3
G. Motojima/N. Kenmochi	T. Kobayashi	H. Kasahara	M. Kobayashi/M. Yoshinuma
[K. Ida] Isotope mixture plasma [H. Nakano] ECRH on ion ITB plasma [N. Kenmochi] Isotope effects on e-ITB	[T. Kinoshita] Transport in mixture plasma [T. Kobayashi] Mass dep. on e-ITB threshold [H. Igami] Heat transport hysteresis in e-ITB	[H. Nakano] ECRH on ion ITB plasma [A. Dinklage] Transitions in multi-ion transport [R. Lunsford] Plasma conditioning using IPD	[E. Gilson] Li-IPD, [M. van Berkel] Opt. gas puff mod. [N. Tamura/K. Ida/G. Motojima] He beam in D [H. Funaba] Relativistic electrons by TS [Y. Kawamoto] Zeff evaluation [M. Zhao] D retention in tungsten
Dec. 21	Dec. 22	Dec. 23	Dec. 24
K. Ida/N. Tamura	M. Osakabe/M. Kobayashi	R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto
TG3	TBD	TG1	TG1
T. Kawate	TBD	G. Motojima	H. Kasahara
[M. Goto] Polarization spec. [M. Zhao] D retention in tungsten [S. Brezinsek] D2 molecular spec. [H. Hara] Solar EUV	[TBD] TBD	[G. Motojima] Wall exchange in long pilse [H. Kasahara] Confinement in long pilse [S. Masuzaki] Particle balance in long pilse [H. Funaba] Penning gauge spectroscopy	[S. Masuzaki/Y. Yoshimura] Particle balance [S. Kamio] Helium ion transport and exhaust
Dec. 28	Dec. 29	Dec. 30	Dec. 31
No operation day	No operation day	No operation day	No operation day

Experimental Schedule of LHD 23rd Campaign (Jan. 2022)

Every Monday is a maintenance day.

Tue	Wed	Thu	Fri
Jan. 4	Jan. 5	Jan. 6	Jan. 7
No operation day	No operation day	No operation day	No operation day
Jan. 11	Jan. 12	Jan. 13	Jan. 14
	S. Masuzaki/Y. Takemura	K. Tanaka/K. Nagaoka	K. Ida/N. Tamura
	TG1/TBD	TG2	TG1/TG2
	M. Kobayashi/TBD	T. Tokuzawa	G. Motojima/T. Kobayashi
No operation day	[D. Moseev] Impurity exhaust using ICH [C.P. Dhard] Material exposure [T. Tsujimura] High-ne ECH plasma [TBD] TBD	[N.Kenmochi] ECH ctrl. by edge AI [M.Nishiura] CTS [C.Moon] Multi-scale turb. in SOL [H.Wenqing] High-freq. ne fluc. in transition [J.Cheng] Isotope effect and multi-scale turb.	[N. Tamura] Commissioning of He beam [K. Ida] Mixing and non-mixing states [N. Tamura] Imp. Trans. in mixed plasmas [G. Motojima] Helium removal [S.Inagaki] Up-hill transport [C.Hidalgo] AE effect on Er and transport
Jan. 18	Jan. 19	Jan. 20	Jan. 21
M. Osakabe/M. Kobayashi	R. Sakamoto/T. Tokuzawa	M. Isobe/M. Goto	S. Masuzaki/Y. Takemura
TG1/TG4	TG3	TG2	TG1
H. Kasahara/K. Nagaoka	T. Kawate	T. Tsujimura	M. Kobayashi
[T. Tsujimura] High-ne ECH plasma [G. Motojima] Wall exchange [H. Yamada] Data-driven for detachment [J. Varela] NBCD effect on instabilities	[H. Igami] Whistler wave excitation [B. Li] Electric dipole transition [T. Kawate] Interaction between EP & MHD [M. Goto] Doppler-free spec. [C. Suzuki] Hi-Z spec. [D. Kato] Nucleosynthesis	[N.Tamura] Nonlocal transport [C.Hidalgo] Turb. spreading in SOL [T.Tokuzawa] High-k and low-k turb. [T.Tokuzawa] Turb. response in SOL	[A. Dinklage] Transition in mixed plasma [R. Seki] ICH power mod. [Z. Sun] Li-IPD [U. Wenzel] New pressure gauges
Jan. 25	Jan. 26	Jan. 27	Jan. 28
K. Tanaka/K. Nagaoka	K. Ida/N. Tamura	M. Osakabe/M. Kobayashi	R. Sakamoto/T. Tokuzawa
TG1/TG3	TG2	TG1	TG1
G. Motojima/T. Kawate	T. Tokuzawa	H. Kasahara	M. Kobayashi
[H. Kasahara] Cyclotron wave excitation [J.L. Velasco] Impurity hole [M. Shoji] Toroidal uniformity of B deposition [M. Kubkowska] Impurity trans. using TESPEL [T. Fornal] Light impurity trans.	[M.Beurskens, K.Tanaka] Ion turb. in ECH [H.Takahashi] High-Ti in ECH by high Z puff	[N. Tamura] Commissioning of He beam [Y. Fujiwara] He beam and FICXS [K. Nagaoka] Ion heating with He beam [G. Motojima] Helium removal [H. Kasahara] High density plasma heating	[N. Tamura] Commissioning of impurity beam [S. Sereda] He exhaust [G. Motojima] Helium removal

