

23rd 4th week(11/01/21 - 11/05/21) schedule for LHD experiment

Weekly report : H.Takahashi

Date	Day of the week	Bt direction	Wall condition(mor)	Schedule of the day												Gas	Experiment implementation system	Remark		
				Morning (~ 12:15)						Afternoon (12:15 ~ 18:45)										
11/1	M O.																			
11/2	Tu ·	C C W		[multi-ion](09:45 ~ 13:15)ECH, NBI Accumulation of confinement data in the case of significant ion heating	# Opt. Pol. Rax Bax gamma Bq SC	1 CCW 3.6 1.64 1.2538 100.0	2 CCW 3.6 2.75 1.2538 100.0	turbulence](13:15 ~ 14:45)ECH, NBI, ICH Isotope effects of multi-scale turbulence	# Opt. Pol. Rax Bax gamma Bq SC	1 CCW 3.6 2.75 1.2538 100.0	[multi-ion](14:45 ~ 17:15)ECH, NBI Z-dependence of transport characteristics for the high-Ti plasmas	# Opt. Pol. Rax Bax gamma Bq SC	1 CCW 3.6 2.75 1.2538 100.0	turbulence](17:15 ~ 18:45)ECH, NBI, ICH Transition to the high ion temperature discharge	# Opt. Pol. Rax Bax gamma Bq SC	1 CCW 3.55 2.78871.2538 100.0	[Responsible person] S.Masuzaki / Y.Takemura [ECH] Yoshimura [NBI] Ikeda [central ctrl./data proc.] Yasui/Ohsuna, Ogawa [radiation] Kobuchi [EXP LAN] Inoue/Yamamoto [TGL] N.Tamura/M.Kobayashi, T.Tokuzawa [SubTGL] H.Kasahara/G.Motojima, a, T.Kobayashi/T.Tsujimura/M.Nakata	Div Cryo	D2, Ar, H2, He	[multi-ion]Deuterium glow discharge for wall conditioning, work diverter cryo-pumping (turbulence)DivCryo ON except for 2-I GPI, Reflectometer, PCI, BES, CXS, TS, ECE (multi-ion)use of LID (turbulence)DivCryo ON except for 2-I GPI, Reflectometer, PCI, BES, CXS, TS, ECE (id:612) Impurity pellet/TESPEL (id:617) Mag. Conf.: Rax = 3.55 - 3.599 m (id:626) Mag. Conf.: Using LID coil (id:631) perpNBI>10MJ : Subcool required
11/3	We.																			
11/4	Th ·	C W		[instability](09:30 ~ 12:30)NBI Detachment	# Opt. Pol. Rax Bax gamma Bq SC	1 CW 3.9 0.5 1.2538 100.0	2 CW 3.6 0.5 1.2538 100.0	[multi-ion](12:30 ~ 15:30)ECH, NBI Carbon IPD	# Opt. Pol. Rax Bax gamma Bq SC	1 CW 3.55 1.0 1.2538 100.0	2 CW 3.6 2.75 1.2538 100.0	[spectroscopy](15:30 ~ 18:45)ECH, NBI, ICH Impurity Transport	# Opt. Pol. Rax Bax gamma Bq SC	1 CW 3.6 2.75 1.2538 100.0	[Responsible person] K.Tanaka / K.Nagaoka [ECH] Kenmochi [NBI] Nakano [central ctrl./data proc.] Yasui/Ohsuna, Ogawa [radiation] Miyake [EXP LAN] Yamamoto/Inoue [TGL] K.Nagaoka/Y.Takemura, N.Tamura/M.Kobayashi, M. Goto [SubTGL] S.Kamio/N.Kenmochi, H.Kasahara/G.Motojima, M.Yoshinuma/T.Oishi/T.Kawate	Div Cryo	H2, N2, Ne, Ar, D2	[instability]CXs,PCI,LID (multi-ion)CXs,PCLJD(cancel) (spectroscopy)CXs,PCI,Reflectomet er (id:612) Impurity pellet/TESPEL (id:613) impurity gas puff (id:614) Impurity powder dropper (id:617) Mag. Conf.: Rax = 3.55 - 3.599 m (id:626) Mag. Conf.: Using LID coil (id:657) ICH: Antennae insertion for plasma heating by ICH (id:668) NB injection for low field discharges		
11/5	Fr ·	C C W													None	[Responsible person] K.Ida / N.Tamura [ECH] Yanai [NBI] Nuga [central ctrl./data proc.] Yasui/Ohsuna, Ogawa [radiation] Tanaka [EXP LAN] Watanabe/Nakamura [TGL] [SubTGL]				

LHD project

LHD project

Daily Schedule

Prepared by
M.Yoshinuma
M. Goto

Daily Schedule

Prepared by

Date	Experimental Subject														
2021/11/5(Fri)															
Exp. No.	Topical Group				TGL				Sub-TGL						
1228															
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		U P									D N				
Details and Experimental Conditions															Gas
Wall Conditioning															
GD(Before Exp.): No , Cryopump(During Exp.): No															
Remarks															