

Daily Schedule

Prepared by

N.Tamura

Date	Experimental Subject																																															
2022/12/9(Fri)	Effect of the anisotropy of the electron velocity on the excitation of the waves He beam experiments																																															
Exp. No.	Topical Group					TGL					Sub-TGL																																					
1318	spectroscopy/multi-ion					M. Goto N.Tamura/M.Kobayashi [2290, 2337/2169]					M.Yoshinuma/T.Oishi/T.Kawate H.Kasahara/G.Motojima [2172/2022/2256, 2203/2142]																																					
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																																	
		U P	[spectroscopy]			[multi-ion]						D N																																				
Details and Experimental Conditions														Gas																																		
[spectroscopy Coordinator: TomokoKawate](09:45 ~ 13:00) ECH, NBI, ICH 9:45-11:00 Experimental study of the electron temperature anisotropy by using the LHD Thomson scattering system (I. Yamada) 11:00-13:00 Quasioptical wave absorptions with anisotropic and fully relativistic electron dynamics in high Te and low ne plasma (K. Yanagihara, R. Yanai) 13:00-13:10 NBI calibration Maximum number of discharges : 70 Sequence:3min <table><tr><td>#</td><td>Option</td><td>Polarity</td><td>Rax(m)</td><td>Bax(T)</td><td>gamma</td><td>Bq(%)</td><td>Subcooled</td></tr><tr><td>1</td><td></td><td>CCW</td><td>3.6</td><td>2.75</td><td>1.2538</td><td>100.0</td><td></td></tr></table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CCW	3.6	2.75	1.2538	100.0		H2,He																		
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[multi-ion Coordinator: GenMotojima](13:00 ~ 18:45) ECH, NBI, ICH 13:10-14:10 Search for optimal conditions of He beam injection into H-NBI heated plasmas (Tamura) 14:10-15:10 Observation of ultra higher harmonic ICEs during He beam injection (Igami) 15:10-15:30 Rax/Bax change 15:30-16:30 He exhaust property in helical divertor #1(S. Sereda, Kobayashi) 16:30-17:30 Helium removal in helium beam experiments(Motojima, Hanada) 17:30-17:45 Rax/Bax change 17:45-18:45 He exhaust property in helical divertor #2(S. Sereda, Kobayashi) Maximum number of discharges : 130 Sequence:3min <table><tr><td>#</td><td>Option</td><td>Polarity</td><td>Rax(m)</td><td>Bax(T)</td><td>gamma</td><td>Bq(%)</td><td>Subcooled</td></tr><tr><td>1</td><td></td><td>CCW</td><td>3.6</td><td>2.75</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>2</td><td></td><td>CCW</td><td>3.75</td><td>2.64</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>3</td><td></td><td>CCW</td><td>3.9</td><td>2.5384</td><td>1.2538</td><td>100.0</td><td></td></tr></table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CCW	3.6	2.75	1.2538	100.0		2		CCW	3.75	2.64	1.2538	100.0		3		CCW	3.9	2.5384	1.2538	100.0		H2,He,Ar		
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Wall Conditioning																																																
		GD(Before Exp.): He , Cryopump(During Exp.): on																																														
Remarks																																																
		(spectroscopy)CXS, ECH moduration, Thomson forward scattering (multi-ion)He-beam #5 [Precautions for today's LHD experiments] (id:685) Mag. Conf.: Using LID coil (id:705) ECH: off-axis injection (Combined) (id:706) ICH: Antennae insertion for plasma heating by ICH : Subcool required (id:722) Insertion of sample, etc: Insertion of water-cooled tungsten divertor test piece																																														