

Daily Schedule

Prepared by

M. Goto

Date		Experimental Subject																																						
2024/4/5(Fri)		Experimental study on Alfvén eigenmode Impurity Effect JEX on Stellarators, Te fluctuation in e-ITB																																						
Exp. No.		Experimental Session Group					Session Coordinator																																	
1344		IA/TC					T.Tokuzawa[2217] / H.Nakano[2209] M.Goto[2290] / Y.Takemura[2167]																																	
Time Table		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																								
			U P	[IA]			[TC]				D N																													
Details and Experimental Conditions															Gas																									
[IA](10:30 ~ 12:30) ECH, NBI, ICH 10:30-12:30 Multiple AE resonances and transition to the hard MHD limit: enhanced EP transport during AE bursting activity (J. Valera(UC3M), K. Nagaoka) (3 shots of NBI calibration before 12:00) # [Change of Mag. Config.: 0.8T -> 1.375T] will done between 10:30 and 12:30. 12:30-13:00 [Change of Mag. Config.: 1.375T -> 2.75T] NBI pattern #2: (#2, #3, #4, #5) - (#3, #4, #5) - (#3, #5) Sequence:3min <table><tr><th>#</th><th>Option</th><th>Polarity</th><th>Rax(m)</th><th>Bax(T)</th><th>gamma</th><th>Bq(%)</th><th>Subcooled</th></tr><tr><td>1</td><td></td><td>CW</td><td>3.6</td><td>0.8</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>2</td><td></td><td>CW</td><td>3.6</td><td>1.375</td><td>1.2538</td><td>100.0</td><td></td></tr></table>															#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CW	3.6	0.8	1.2538	100.0		2		CW	3.6	1.375	1.2538	100.0		H2	
#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled																																	
1		CW	3.6	0.8	1.2538	100.0																																		
2		CW	3.6	1.375	1.2538	100.0																																		
[TC](13:00 ~ 16:45) ECH, NBI 13:00- 15:00 Joint Experiment on Effect of Impurities on Stellarator Performance (F. Nespoli(PPPL), S. Masuzaki) 15:00- 16:45 Study of electron temperature fluctuation behavior in e-ITB plasmas (R. Yanai) Sequence:3min <table><tr><th>#</th><th>Option</th><th>Polarity</th><th>Rax(m)</th><th>Bax(T)</th><th>gamma</th><th>Bq(%)</th><th>Subcooled</th></tr><tr><td>1</td><td></td><td>CW</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		CW	3.6	2.75	1.2538	100.0		H2,Ar									
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1		CW	3.6	2.75	1.2538	100.0																																		
Wall Conditioning		GD(Before Exp.): None , Cryopump(During Exp.): on																																						
Remarks		(IA)BES, FILD, CXS, FIDA (TC)CXS, PCI, CECE, CTSアンテナ使用 【Precautions for today's LHD experiments】 (id:724) Impurity gas puff (id:732) Probe: Insertion of Fast Ion Loss Diagnostics (8-O) (id:745) ECH: Collective Thomson Scattering (CTS) measurement (id:748) ECH: off-axis injection (Combined) (id:749) ICH: Antennae insertion for plasma heating by ICH : Subcool required (id:752) NBI: Injection into the discharges with low fields (id:762) Impurity powder dropper																																						