

Daily Schedule

Prepared by

T.Tokuzawa

Date		Experimental Subject																																														
2021/10/20(Wed)		Commissioning (ECH, ICH, NBII) Core and edge turbulence in modulated ECH, Potential and density fluctuation measurement in e-ITB to study isotope effect Commissioning (ECH, ICH, NBII) Investigating ECH beam broadening by density fluctuations																																														
Exp. No.		Topical Group						TGL					Sub-TGL																																			
1219		multi-ion/turbulence						N.Tamura/M.Kobayashi T.Tokuzawa [2337/2169, 2217]					H.Kasahara/G.Motojima T.Kobayashi/T.Tsujimura/M.Nakata [2065/2142, 2231/2023/2276]																																			
Time Table		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																																
			U P	[multi- ion]	[turbulence]					[multi- ion]	[turbul- ence]	D N																																				
Details and Experimental Conditions															Gas																																	
[multi-ion](09:30 ~ 11:00)ECH, NBI, ICH ECH: polarization and alignment ICH : conditioning Maximum number of discharges : 40 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>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	1.375	1.2538	100.0		H2																	
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1		CW	3.6	1.375	1.2538	100.0																																										
[turbulence](11:00 ~ 16:30)ECH, NBI Core and edge turbulence in modulated ECH (M. Nishiura) Potential and density fluctuation measurement in e-ITB to study isotope effect(A. Shimizu) Maximum number of discharges : 120 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>CW</td><td>3.6</td><td>1.375</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>2</td><td></td><td>CW</td><td>3.75</td><td>1.375</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>3</td><td></td><td>CW</td><td>3.9</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	1.375	1.2538	100.0		2		CW	3.75	1.375	1.2538	100.0		3		CW	3.9	1.375	1.2538	100.0		H2	
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[multi-ion](16:30 ~ 17:30)ECH, NBI, ICH ECH: polarization and alignment ICH : conditioning Maximum number of discharges : 40 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>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,D2,He																	
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1		CW	3.6	2.75	1.2538	100.0																																										
[turbulence](17:30 ~ 18:45)ECH, NBI, ICH Investigating ECH beam broadening by density fluctuations (R.Yanai) Maximum number of discharges : 30 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>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,D2																	
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1		CW	3.6	2.75	1.2538	100.0																																										
Wall Conditioning																																																
GD(Before Exp.): No , Cryopump(During Exp.): Yes																																																
Remarks		(multi-ion)2-I Div. cryo is not used (turbulence)HIBP, TS, ECE (multi-ion)2-I Div. cryo is not used (turbulence)DBS, PCI, BES, (fast TS) 【Precautions for today's LHD experiments】 (id:620) ECH: Low absorption condition (id:638) ECH: Commissioning (alignment, profile check) (id:654) ECH: Injection from the antenna at Port 1.5Uo (id:657) ICH: Antennae insertion for plasma heating by ICH																																														