

Daily Schedule

Prepared by

N.Tamura

Date	Experimental Subject																																						
2024/3/21(Thu)	ECH/ICH commissioning, Impurity behaviour study with triple TESPEL injection Investigation of cross-scale interaction between electron-scale and ion-scale turbulence																																						
Exp. No.	Experimental Session Group						Session Coordinator																																
1335	MAP/IA						G.Motojima[2142] / M.shohji[2151] K.Ogawa[2229] / N.Kenmochi[2208]																																
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																								
		U P	[MAP]				[IA]		D N																														
Details and Experimental Conditions														Gas																									
[MAP](10:30 ~ 14:30) ECH, NBI, ICH 10:30-12:15 ECH/ICH commissioning(Nishiura, Seki) 12:15-14:18 Impurity behaviour study with triple TESPEL injection(Kubkowska, Tamura) 14:18-14:27 NBI calib. 3 shots 14:27-14:39 [Change of Mag. Config., 3.6m, 2.75T -> 3.55m, 2.7887T] 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																																	
[IA](14:45 ~ 16:45) ECH, NBI 14:39-16:45 Investigation of cross-scale interaction between electron-scale and ion-scale turbulence(Nasu, Tokuzawa) 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>3.55</td><td>2.7887</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>2</td><td>✓</td><td>CW</td><td>3.58</td><td>2.7654</td><td>1.2538</td><td>100.0</td><td></td></tr></table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CW	3.55	2.7887	1.2538	100.0		2	✓	CW	3.58	2.7654	1.2538	100.0		H2,Ar	
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Wall Conditioning																																							
GD(Before Exp.): None , GD(After Exp.): None , Cryopump(During Exp.): on																																							
Remarks																																							
(IA)LID(14:39-16:45) [Precautions for today's LHD experiments] (id:723) Impurity pellet/TESPEL (id:724) Impurity gas puff (id:728) Mag. Conf.: 3.55 m =< Rax < 3.6 m (id:729) ECH: Low absorption condition (id:731) Mag. Conf.: Using LID coil (id:737) ECH: Commissioning (alignment, profile check) (id:746) ECH: EC wave Injection from the Port 1.5Uo antenna (id:748) ECH: off-axis injection (Combined) (id:749) ICH: Antennae insertion for plasma heating by ICH : Subcool required (id:757) ECH: Optical Vortex injection																																							