

Daily Schedule

Prepared by

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G.Motojima

Date	Experimental Subject																														
2021/10/26(Tue)	transition to high Ti plasma Wall recycling control, Multi-ion transport																														
Exp. No.	Topical Group					TGL					Sub-TGL																				
1222	turbulence/multi-ion					T.Tokuzawa N.Tamura/M.Kobayashi [2217, 2337/2169]					T.Kobayashi/T.Tsujimura/M.Nakata H.Kasahara/G.Motojima [2231/2023/2276, 2065/2142]																				
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																
		U P	[turbulence]									D N																			
Details and Experimental Conditions														Gas																	
[turbulence](10:00 ~ 12:00)ECH, NBI, ICH Plasma behaviors at the boundary of the transition to the high ion temperature discharge will be investigated (Yoshinuma) Maximum number of discharges : 50 Sequence:3min, 3min30s														H2,D2,He																	
<table border="1"> <thead> <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> </thead> <tbody> <tr> <td>1</td><td></td><td>CW</td><td>3.55</td><td>2.78</td><td>1.2538</td><td>100.0</td><td></td></tr> </tbody> </table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CW	3.55	2.78	1.2538	100.0		H2,D2,He	
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1		CW	3.55	2.78	1.2538	100.0																									
[multi-ion](12:00 ~ 18:45)ECH, NBI, ICH Particle species dependence of impurity hole phenomenon will be investigated (Satake). Wall recycling control using low Z powder dropping and the change of their spatial distributions will be investigated (Ashikawa). Mixture-induced phase transitions in multi-ion transport will be investigated (A. Dinklage) Maximum number of discharges : 120 Sequence:3min, 3min30s														H2,D2,He ,Ar																	
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1		CW	3.6	2.75	1.2538	100.0																									
Wall Conditioning																															
GD(Before Exp.): No , Cryopump(During Exp.): No																															
Remarks		(turbulence)D-SSGP, D Pellet (multi-ion)Impurity Pellet(C, Fe, Mo), D-SSGP, D Pellet 【Precautions for today's LHD experiments】 (id:612) Impurity pellet/TESPEL (id:614) Impurity powder dropper (id:617) Mag. Conf.: Rax = 3.55 - 3.599 m (id:655) ECH: Power injection for more than 10 s (id:657) ICH: Antennae insertion for plasma heating by ICH																													