

## Daily Schedule

Prepared by

S.Masuzaki  
N.Tamura

Date	Experimental Subject																																					
2022/11/18(Fri)	Measuring the dependence of ICE on fast ion density and energy He beam experiments																																					
Exp. No.	Topical Group					TGL					Sub-TGL																											
1306	instability/multi-ion					K.Nagaoka/Y.Takemura N.Tamura/M.Kobayashi [2177/2167, 2337/2169]					R.Seki/N.Kenmochi H.Kasahara/G.Motojima [2201/2208, 2203/2142]																											
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																							
		U P	[instability]				[multi-ion]					D N																										
Details and Experimental Conditions														Gas																								
[instability Coordinator: R.SEKI](09:45 ~ 13:15) ECH, NBI 9:45-13:15 Measuring the dependence of ICE on fast ion density and energy (J. Lestz, K. Saito) Maximum number of discharges : 80 Sequence:3min <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>CCW</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>CCW</td> <td>3.6</td> <td>2.75</td> <td>1.2538</td> <td>100.0</td> <td></td> </tr> </tbody> </table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CCW	3.6	1.375	1.2538	100.0		2		CCW	3.6	2.75	1.2538	100.0		D2,Ar
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[multi-ion Coordinator: MasahiroKobayashi](13:15 ~ 18:45) ECH, NBI, ICH 13:15-13:35 Effect of a mixed-ion plasma on impurity transport in D-NBI heated plasmas I (Tamura) 13:35-14:55 Observation of ultra higher harmonic ICEs during He beam injection (Igami) 14:55-16:15 Search for optimal conditions of He beam injection into D-NBI heated plasmas (Tamura) 16:15-17:15 Effect of a mixed-ion plasma on impurity transport in D-NBI heated plasmas II (Tamura) 17:15-18:35 Helium removal in helium beam experiments (Motojima) 18:35-18:45 NBI calib. Maximum number of discharges : 150 Sequence:3min <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>CCW</td> <td>3.6</td> <td>2.75</td> <td>1.2538</td> <td>100.0</td> <td></td> </tr> </tbody> </table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CCW	3.6	2.75	1.2538	100.0		D2,He,Ar								
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Wall Conditioning																																						
GD(Before Exp.): None , Cryopump(During Exp.): off																																						
Remarks																																						
(multi-ion)He beam																																						
【Precautions for today's LHD experiments】 (id:676) Impurity pellet/TESPEL (id:677) Impurity gas puff (id:685) Mag. Conf.: Using LID coil (id:686) Probe: Insertion of Fast Ion Loss Diagnostics (8-O) (id:704) ECH: EC wave injection for more than 10 s (Combined) (id:706) ICH: Antennae insertion for plasma heating by ICH : Subcool required (id:720) Probe: Edge plasma measurement using the fast-scanning Langmuir probes (id:722) Insertion of sample, etc: Insertion of water-cooled tungsten divertor test piece																																						