

Daily Schedule

Prepared by

N.Tamura

Date	Experimental Subject																																																						
2022/12/6(Tue)	The relation between plasma confinement and neutral particle on divertor condition, Isotope effect on the impurity hole phenomenon and Study on impurity transport with internal transport barrier in plasmas, Transport studies of LBO and TESPEL injected impurities during impurity hole																																																						
Exp. No.	Topical Group					TGL					Sub-TGL																																												
1315	multi-ion					N.Tamura/M.Kobayashi [2337/2169]					H.Kasahara/G.Motojima [2203/2142]																																												
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																																								
		U P	[multi-ion]										D N																																										
Details and Experimental Conditions														Gas																																									
[multi-ion Coordinator: H.Kasahara](09:45 ~ 18:45) ECH, NBI, ICH 9:45-11:40 The relation between plasma confinement and neutral particle on divertor condition(G. Motojima) 11:40-11:50 NBI calib 11:50-13:20 Isotope effect on the impurity hole phenomenon and Study on impurity transport with internal transport barrier in plasmas(S. Satake, M. Nishiura) 13:20-14:20 Transport studies of TESPEL injected impurities in lthe plasma with an impurity hole(D.M. Roque, N. Tamura) 14:20-14:45 changing the magnetic configuration 14:45-16:15 Isotope effect on the impurity hole phenomenon and Study on impurity transport with internal transport barrier in plasmas(S. Satake, M. Nishiura) 16:15-16:40 changing the magnetic configuration 16:40-17:10 Isotope effect on the impurity hole phenomenon and Study on impurity transport with internal transport barrier in plasmas(S. Satake, M. Nishiura) 17:10-17:35 changing the magnetic configuration 17:35-18:45 The relation between plasma confinement and neutral particle on divertor condition(G. Motojima) Maximum number of discharges : 180 Sequence:3min, 3min30s <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>3.6</td><td>2.75</td><td>1.2538</td><td>100.0</td><td></td></tr> <tr> <td>2</td><td></td><td>CW</td><td>3.7</td><td>2.6756</td><td>1.2538</td><td>100.0</td><td></td></tr> <tr> <td>3</td><td></td><td>CW</td><td>3.75</td><td>2.64</td><td>1.2538</td><td>100.0</td><td></td></tr> <tr> <td>4</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> </tbody> </table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CW	3.6	2.75	1.2538	100.0		2		CW	3.7	2.6756	1.2538	100.0		3		CW	3.75	2.64	1.2538	100.0		4		CW	3.6	2.75	1.2538	100.0		H2,Ar	
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Wall Conditioning																																																							
GD(Before Exp.): None , GD(After Exp.): H2 , Cryopump(During Exp.): off																																																							
Remarks		The cooling start time should be set so that the divertor cryopump operates entirely at 11:50 am. (multi-ion)HIBP, CXS, TS, BES, TESPEL(Ti, Cu, Mo), C-pellet, Ti measurement with a crystal spectrometer 【Precautions for today's LHD experiments】 (id:676) Impurity pellet/TESPEL (id:677) Impurity gas puff (id:704) ECH: EC wave injection for more than 10 s (Combined) (id:706) ICH: Antennae insertion for plasma heating by ICH : Subcool required																																																					