

Daily Schedule

Prepared by

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Date	Experimental Subject																
2022/11/4(Fri)	Characterization and modelling of the parallel dynamics of impurity ions in deuterium plasmas Fast ion measurement and wave-particle interactions in ICRF. Wall recycling control in IPD																
Exp. No.	Topical Group						TGL					Sub-TGL					
1298	spectroscopy/multi-ion						M. Goto N.Tamura/M.Kobayashi [2290, 2337/2169]					M.Yoshinuma/T.Oishi/T.Kawate H.Kasahara/G.Motojima [2172/2022/2256, 2203/2142]					
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
		U P	[spectroscopy]				[multi-ion]					D N					
Details and Experimental Conditions														Gas			
[spectroscopy Coordinator: M.Yoshinuma](09:45 ~ 13:15) ECH, NBI 9:45-13:00 Characterization and modelling of the parallel dynamics of impurity ions with perpendicular and parallel and anti-parallel collinear NBI injection in deuterium plasmas (J.R.Villén) Maximum number of discharges : 80 Sequence:3min														H2,D2,He,Ar			
#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled										
1		CW	3.55	2.7887	1.2538	100.0											
2		CW	3.75	2.64	1.2538	100.0											
3		CW	3.6	2.75	1.2538	100.0											
[multi-ion Coordinator: GenMotojima](13:15 ~ 18:45) ECH, NBI, ICH 13:10-14:35: Fast ion measurement in ICRF(R. Seki) 14:55-17:15: Investigation of wave-particle interactions in ICRF heating(Tsujii(Univ. Tokyo)) 17:15-18:45: Wall recycling control in IPD(N. Ashikawa) Maximum number of discharges : 180 Sequence:3min30s														H2,D2,Ar			
#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled										
1		CW	3.6	2.6	1.2538	100.0											
2		CW	3.6	2.75	1.2538	100.0											
3	✓	CW	3.6	2.55	1.2538	100.0											
Wall Conditioning																	
GD(Before Exp.): None , Cryopump(During Exp.): off																	
Remarks																	
(spectroscopy)HIBP, CXS (multi-ion)SSGP(D), CXS(D/H ratio) [Precautions for today's LHD experiments] (id:677) Impurity gas puff (id:678) Impurity powder dropper (id:681) Mag. Conf.: 3.55 m =< Rax < 3.6 m (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																	