

Daily Schedule

Prepared by

S.Masuzaki

Date	Experimental Subject														
2022/12/16(Fri)	Effect of divertor pumping on RMP penetration, mechanism on shielding external RMP, Dependence of RMP penetration threshold, Validation of NB shine-through model														
Exp. No.	Topical Group					TGL					Sub-TGL				
1322	instability					K.Nagaoka/Y.Takemura [2177/2167]					R.Seki/N.Kenmochi [2201/2208]				
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		U P	[instability]										D N		
Details and Experimental Conditions														Gas	
[instability Coordinator: R.Seki](09:45 ~ 18:45) ECH, NBI 9:45-11:15 Effect of divertor pumping on RMP penetration (K. Watanabe) 11:15-13:45 mechanism on shielding external RMP (Y. mori, K. Watanabe) 13:45-15:45 Dependence of RMP penetration threshold (K. Watanabe) 15:45-17:45 Validation of NB shine-through model (M. Osakabe, S. Sumida) 17:45-18:45 Effect of divertor pumping on RMP penetration (K. Watanabe)														H2,Ar	
Maximum number of discharges : 190 Sequence:3min															
#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled								
1		CCW	3.6	2.75	1.2538	100.0									
2		CCW	3.6	1.375	1.1739	100.0									
3		CCW	3.6	1.375	1.2538	100.0									
4		CCW	3.7	1.375	1.2538	100.0									
5	✓	CCW	3.75	1.375	1.2538	100.0									
6	✓	CCW	3.65	1.375	1.2538	100.0									
Wall Conditioning															
GD(Before Exp.): H2 , Cryopump(During Exp.): on															
Remarks															
(instability)Doppler Reflect meter, FIDA, CXS(H/D ratio), long pulse NBI(3s), BES, Divertor Cryo on (13:45), RMP ramp down/up 【Precautions for today's LHD experiments】 (id:685) Mag. Conf.: Using LID coil (id:687) High plasma current exp. (100 kA =< Ip < 150kA) (Combined) (id:694) Mag. Conf.: Exp. with low gamma (Combined) (id:712) NBI: Injection into the discharges with low fields (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															