

Daily Schedule

Prepared by  
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Date	Experimental Subject															
2021/10/28(Thu)	Impurity accumulation, Turbulence spreading, Zonal flow															
Exp. No.	Topical Group				TGL				Sub-TGL							
1224	turbulence				T.Tokuzawa [2217]				T.Kobayashi/T.Tsujimura/ M.Nakata [2231/2023/2276]							
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](09:00 ~ 18:45)ECH, NBI, ICH Robustness assessment of methods to prevent an impurity accumulation Effects of hydrogen isotope, edge magnetic field structure and impurity on turbulence spreading Verification of the effect of magnetic field geometry on zonal flow in 3D confined configuration Maximum number of discharges : 170 Sequence:3min													H2,D2,He ,N2,Ne,Ar	
#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled							
1		CCW	3.55	2.63	1.2538	0.0								
2		CCW	3.7	2.63	1.2538	150.0								
3		CCW	3.6	2.75	1.2538	100.0								
4		CCW	3.9	2.5384	1.2538	100.0								
5	✓	CCW	3.6	2.63	1.2538	100.0								
6	✓	CCW	3.85	2.6649	1.2538	100.0	✓							
7	✓	CCW	3.9	2.6307	1.2538	100.0	✓							

Wall Conditioning  
GD(Before Exp.): D2 , Cryopump(During Exp.): Yes

Remarks  
 (turbulence)Short-time GD (Before Exp.)  
 Div Cryo ON except for 2-I section  
 Adjust timing of TS measurement  
 TESPEL, BES, CXS, RMP, SSGP, GPI, PCI, reflectometer, fast TS  
 diverter leg deviation  
 normal ECH power  
 Bq=0% => polarity change for IS coil current is required.  
 【Precautions for today's LHD experiments】  
 (id:612) Impurity pellet/TESPEL  
 (id:626) Mag. Conf.: I\_LID(RMP)=1920-3400A  
 (id:635) subcool magnetic field : Subcool required  
 (id:652) Mag. Conf.: Bq = 0%, 150%