LHD project

Daily Schedule

Prepared by
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Date	Experimental Subject
2022/10/27(Thu)	Non-diffusive counter-gradient electron thermal transport/Phase space tomography for MHD burst event

Exp. No.	Topical Group	TGL	Sub-TGL
1293	turbulence	T.Tokuzawa [2217]	A.Shimizu/T.Kobayashi/M. Nishiura/M.Nakata [2454/2231/2184/2276]

Time Table

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	UP	[turbulence]									DN			

Details and Experimental Conditions

[turbulence Coordinator: AkihiroShimizu](09:45 ～ 18:45) ECH, NBI
9:45-13:45 Non-diffusive counter-gradient electron thermal transport and its turbulence properties(Tsujimura)
13:45-18:45 Phase space tomography for MHD burst event(T. Kobayashi)

Maximum number of discharges : 250
Sequence:3min

#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled
1		CCW	3.6	2.75	1.2538	100.0	
2	✓	CCW	3.55	2.7887	1.2538	100.0	
3	✓	CCW	3.58	2.7654	1.2538	100.0	
4	✓	CCW	3.6	2.85	1.2538	100.0	✓

Gas

H2,D2,He,Ar

Wall Conditioning

GD(Before Exp.): D2 , GD(After Exp.): None , Cryopump(During Exp.): off

Remarks

(turbulence)CXS, FTS, PCI, High-k BS, BES, Carbon pellet

【Precautions for today's LHD experiments】
(id:676) Impurity pellet/TESPEL
(id:677) Impurity gas puff
(id:681) Mag. Conf.: 3.55 m =< Rax < 3.6 m
(id:691) Mag. Conf.: Subcool conditions (Combined) : Subcool required
(id:697) ECH: Heating with the perpendicular injection from Port 2-O : Subcool required
(id:705) ECH: off-axis injection (Combined)
(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