LHD project

Daily Schedule

Prepared by
T.Tokuzawa

Date	Experimental Subject
2022/10/28(Fri)	Investigation of cross-scale coupling/Study of electron temperature fluctuation in e-ITB/turbulence control

Exp. No.	Topical Group	TGL	Sub-TGL
1294	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: MasakiNishiura](09:45 ～ 18:45) ECH, NBI
10:00-12:30 Investigation of cross-scale coupling(Nasu, Tokuzawa)
12:30-15:30 Zonal flow control(Nasu, Tokuzawa)
15:30-17:20 Study of electron temperature fluctuation in e-ITB(Yanai, Gong)
17:20-18:45 Feedback control of turbulence(Sakai, Tanaka)
Maximum number of discharges : 240
Sequence:3min

#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled
1		CW	3.55	2.7887	1.2538	100.0	
2		CW	3.6	2.75	1.2538	100.0	

Gas

H2,D2,He,Ar

Wall Conditioning

GD(Before Exp.): None , Cryopump(During Exp.): on

Remarks

(turbulence)CXS, HIBP, PCI, CECE/CTS

【Precautions for today's LHD experiments】
(id:676) Impurity pellet/TESPEL
(id:685) Mag. Conf.: Using LID coil
(id:702) ECH: Collective Thomson Scattering (CTS) measurement
(id:703) ECH: EC wave Injection from the Port 1.5Uo antenna
(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