

Daily Schedule

Prepared by

T.Oishi

Date	Experimental Subject															
2022/11/22(Tue)	Fast ion diagnostics and physics research, Edge impurity transport															
Exp. No.	Topical Group					TGL					Sub-TGL					
1307	spectroscopy					M. Goto [2290]					M.Yoshinuma/T.Oishi/T.K awate [2172/2022/2256]					
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
		U P	[spectroscopy]										D N			
Details and Experimental Conditions														Gas		
[spectroscopy Coordinator: TetsutarouOishi](09:45 ~ 18:45) ECH, NBI, ICH 9:45-12:05 Diagnosis of fast ions in quiescent plasmas for comparison to predicted neoclassical confinement (W. Hayashi) (including magnetic configuration change once) 12:05-12:20 Magnetic configuration change 12:20-12:25 Data acquisition sequence change (3m -> 3m30s) 12:25-14:25 Effect of Electron Temperature on Fast-ion Distribution (S. Kamio) 14:25-16:45 Investigation of impact of ICH on energetic-particle driven instability (Y. Kawachi) 16:45-16:50 Data acquisition sequence change (3m30s -> 3m) 16:50-17:00 NBI calibration 17:00-18:45 Study of edge impurity transport by utilizing multiple spectroscopy diagnostics (T. Nishizawa) Maximum number of discharges : 170 Sequence:3min, 3min30s(Wall DC)														D2,He,Ne ,Ar		
#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled									
1		CW	3.9	2.5385	1.2538	100.0										
2		CW	3.75	2.64	1.2538	100.0										
3		CW	3.6	2.75	1.2538	100.0										
Wall Conditioning																
		GD(Before Exp.): None , GD(After Exp.): D2 , Cryopump(During Exp.): on														
Remarks		(spectroscopy)C pellets, FIDA, CXS, CTS, NPA, BNC, DBS, PCI, magnetics, HIBP 【Precautions for today's LHD experiments】 (id:676) Impurity pellet/TESPEL (id:677) Impurity gas puff (id:702) ECH: Collective Thomson Scattering (CTS) measurement (id:706) ICH: Antennae insertion for plasma heating by ICH : Subcool required														