LHD project

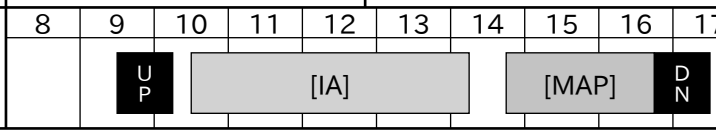
Daily Schedule

Prepared by
N.Tamura

Date	Experimental Subject
2024/3/20(Wed)	ECH commissioning, Interactions of energetic ions with Alfven eigenmodes Effect of impurity seeding for divertor detachment on anomaly detection of radiative collapse

Exp. No.	Experimental Session Group	Session Coordinator
1334	IA/MAP	Y.Hayashi[2121] / K.Mukai[2240] T.Kawate[2256] / Y.Takemura[2167]

Time Table



Details and Experimental Conditions

[IA](10:30 ～ 14:15) ECH, NBI, ICH
10:30-12:15 ECH commissioning (M. Nishiura)
12:15-13:15 Study of interactions of energetic ions with stable or weakly unstable Alfven eigenmodes in high density LHD plasmas produced by ice pellet injection (K. Toi, K. Ogawa)
13:15-13:45 [Change of Mag. Config., 2.75T -> 1.375T]
13:45-14:15 Study of interactions of energetic ions with stable or weakly unstable Alfven eigenmodes in high density LHD plasmas produced by ice pellet injection (K. Toi, K. Ogawa)
14:15-14:55 [Change of Mag. Config., 3.6m,1.375T -> 3.65m,2.71T]

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	1.2538	100.0	

[MAP](14:45 ～ 16:45) ECH, NBI
14:55-16:45 Effect of impurity seeding for divertor detachment on anomaly detection of radiative collapse (K. Mukai)

Sequence:3min

#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled
1		CCW	3.65	2.71	1.2538	100.0	

Gas

H2

H2,N2,Ne,Ar,Kr,Xe

Wall Conditioning

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

Remarks

(IA)ice pellet injection

(MAP)LID(14:55-16:45)

【Precautions for today's LHD experiments】
(id:724) Impurity gas puff
(id:729) ECH: Low absorption condition
(id:731) Mag. Conf.: Using LID coil
(id:737) ECH: Commissioning (alignment, profile check)
(id:746) ECH: EC wave Injection from the Port 1.5Uo antenna
(id:748) ECH: off-axis injection (Combined)
(id:749) ICH: Antennae insertion for plasma heating by ICH : Subcool required
(id:757) ECH: Optical Vortex injection