LHD project

Daily Schedule

Prepared by
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Date	Experimental Subject
2022/2/1(Tue)	Comparative experiments of Bootstrap current in the 1/new and plateau regime in LHD

Exp. No.	Topical Group	TGL	Sub-TGL
1267	instability	K.Nagaoka/Y.Takemura [2177/2167]	S.Kamio/N.Kenmochi [2194/2208]

Time Table

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

Details and Experimental Conditions

[instability](15:30 ～ 18:45)ECH, NBI
Using the long pulse discharge with ~ 3sec, and balanced NBI injection, the central density of 1x10^19 m-3 to 3x10^19 m-3 and temperature of 1~3 keV could be obtained by NBI power scan for the plateau and 1/ν regime. Then the plasma current is measured after Ohmic current decay by poloidal field coils. Experiment is done during hydrogen discharge.
Maximum number of discharges : 70
Sequence:3min30s

#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled
1		CW	3.6	1.375	1.2538	100.0	
2		CW	3.6	2.75	1.2538	100.0	

Gas

H2

Wall Conditioning

GD(Before Exp.): No , Cryopump(During Exp.): No

Remarks

(instability)MSE, CTS, ECH(less than 2 seconds), NBI(more than 2 seconds)