

Daily Schedule

Prepared by

M.Yoshinuma

Date	Experimental Subject																														
2021/10/27(Wed)	Zeff Evaluation, Detachment, Pellet ablation																														
Exp. No.	Topical Group					TGL					Sub-TGL																				
1223	spectroscopy					M. Goto [2290]					M.Yoshinuma/T.Oishi/T.K awate [2172/2022/]																				
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](09:45 ~ 18:45)ECH, NBI 1) Evaluation Zeff in LHD (Kawamoto) 2) Sustainment of divertor detachment by using feedback controlled impurity seeding (Masuzaki) 3) Establishing atomic database of L-shell transitions of the Fe-peak elements with LHD (Yamaguchi, Kawate) 4) Diagnostics of relativistic electrons by Thomson scattering in high electron temperature plasmas (Funaba) 5) Ablation of high Z (neon) and hydrogen cryogenic pellets and its implication to ITER DMS design (Matsuyama, Sakamoto) Maximum number of discharges : 180 Sequence:3min <table border="1"> <thead> <tr> <th>#</th> <th>Option</th> <th>Polarity</th> <th>Rax(m)</th> <th>Bax(T)</th> <th>gamma</th> <th>Bq(%)</th> <th>Subcooled</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>CCW</td> <td>3.6</td> <td>2.75</td> <td>1.2538</td> <td>100.0</td> <td></td> </tr> </tbody> </table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CCW	3.6	2.75	1.2538	100.0		H2,D2,He ,N2,Ne,Ar	
#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled																								
1		CCW	3.6	2.75	1.2538	100.0																									
Wall Conditioning		GD(Before Exp.): No , Cryopump(During Exp.): Yes																													
Remarks		(spectroscopy)PCI, CXS, Ne-Pellet,Divertor cryo 2I off 【Precautions for today's LHD experiments】 (id:612) Impurity pellet/TESPEL (id:613) impurity gas puff (id:654) ECH: Injection from the antenna at Port 1.5Uo																													