

Daily Schedule

Prepared by

G.Motojima
T.Tokuzawa

Date	Experimental Subject																																							
2022/11/25(Fri)	Wall recycling, isotope effect, exposure of material samples ETG turbulence threshold																																							
Exp. No.	Topical Group					TGL					Sub-TGL																													
1310	multi-ion/turbulence					N.Tamura/M.Kobayashi T.Tokuzawa [2337/2169, 2217]					H.Kasahara/G.Motojima A.Shimizu/T.Kobayashi/M.Nishiura/M.Nakata [2203/2142, 2454/2231/2184/2276]																													
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																									
		U P	[multi-ion]						[turbulence]				D N																											
Details and Experimental Conditions														Gas																										
[multi-ion Coordinator: GenMotojima](09:00 ~ 15:30) ECH, NBI 9:50-11:20 Wall D/H recycling process(Motojima) 11:40-13:55 Isotope mass effects on sustainment of e-ITB plasma(Kenmochi) 13:55-15:25 Exposure of material samples into the LHD edge plasma by means of the manipulator(Dhard (IPP), Masuzaki) Maximum number of discharges : 130 Sequence:3min <table><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><tr><td>1</td><td></td><td>CW</td><td>3.9</td><td>2.5385</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>2</td><td></td><td>CW</td><td>3.6</td><td>2.75</td><td>1.2538</td><td>100.0</td><td></td></tr></table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CW	3.9	2.5385	1.2538	100.0		2		CW	3.6	2.75	1.2538	100.0		H2,D2,Ar		
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[turbulence Coordinator: T.Kobayashi](15:30 ~ 18:45) ECH, NBI 15:30-18:45 ETG turbulence threshold (T. Nasu, T. Tokuzawa) Maximum number of discharges : 80 Sequence:3min <table><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><tr><td>1</td><td></td><td>CW</td><td>3.6</td><td>2.75</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>2</td><td></td><td>CW</td><td>3.55</td><td>2.7887</td><td>1.2538</td><td>100.0</td><td></td></tr></table>														#	Option	Polarity	Rax(m)	Bax(T)	gamma	Bq(%)	Subcooled	1		CW	3.6	2.75	1.2538	100.0		2		CW	3.55	2.7887	1.2538	100.0		D2,He,Ar		
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Wall Conditioning		GD(Before Exp.): None , Cryopump(During Exp.): off																																						
Remarks		(multi-ion)SSPG, MSE (turbulence)p-NBI modulation, ECH modulation, Off-axis ECH, Impurity gas puff, LID, PCI, CXS, Zeff 【Precautions for today's LHD experiments】 (id:677) Impurity gas puff (id:681) Mag. Conf.: 3.55 m =< Rax < 3.6 m (id:685) Mag. Conf.: Using LID coil (id:705) ECH: off-axis injection (Combined) (id:719) Insertion of sample, etc.: Insertion of samples using manipulator (id:722) Insertion of sample, etc: Insertion of water-cooled tungsten divertor test piece																																						