

Daily Schedule

Prepared by

N.Tamura

Date	Experimental Subject																																														
2024/5/1(Wed)	Validation of neutral beam current drive in LHD for numerical estimation, Assessment of geometrical effect on transport through quadrupole field scan																																														
Exp. No.	Experimental Session Group						Session Coordinator																																								
1357	TC						H.Nakano[2209] / T.Tokuzawa[2217]																																								
Time Table	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																																
		U P	[TC]							D N																																					
Details and Experimental Conditions														Gas																																	
[TC](10:30 ~ 16:45) ECH, NBI 10:30-12:05 Validation of neutral beam current drive in LHD for numerical estimation (H. Nuga) 12:05-12:15 NBI calib. (3 shots) 12:15-12:30 [Change of Mag. Config.: 3.6m, 2.75T, 1.2538, 100% -> 3.6m, 1.375T, 1.1739, 100%] 12:30-16:45 Assessment of geometrical effect on transport through quadrupole field scan (H. Yamada (U. Tokyo), N. Tamura) # [Change of Mag. Config.: 3.6m, 1.375T, 1.1739, 100% -> 3.6m, 1.375T, 1.2538, 0%] will be done around 2 pm. # Demagnetization will be done for the reversal of IS coil polarity. Sequence:3min <table><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><tr><td>2</td><td></td><td>CCW</td><td>3.6</td><td>1.375</td><td>1.1739</td><td>100.0</td><td></td></tr><tr><td>3</td><td></td><td>CCW</td><td>3.6</td><td>1.375</td><td>1.2538</td><td>0.0</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		2		CCW	3.6	1.375	1.1739	100.0		3		CCW	3.6	1.375	1.2538	0.0		H2	
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1		CCW	3.6	2.75	1.2538	100.0																																									
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3		CCW	3.6	1.375	1.2538	0.0																																									
Wall Conditioning																																															
GD(Before Exp.): None , GD(After Exp.): None , Cryopump(During Exp.): on																																															
Remarks		(TC)Required Diag.: MSE, FIDA, CXS, PCI, Reflectometer 【Precautions for today's LHD experiments】 (id:738) Mag. Conf.: Exp. with low gamma (Combined) (id:744) Mag. Conf.: Bq = 0%, 150%, 200% (id:752) NBI: Injection into the discharges with low fields																																													