

The Schedule of the Summer School for 21 cm Cosmology				
2025/7/2	Check in between 16:00 and 20:00, at Xidian Hotel, within the Xidian University Community, No. 2 Taibai South Road, Yanta District, Xi'an			
Place: Xidian Univ. North Campus Conference Center 104				
Date	Time	Speaker	Content/title	Type
2025/7/3	8:30-8:45	opening speech	Commercement, photo session	Sytematic Instructions
	8:45-12:00	Yi Mao/ Tsingua U.	Introduction to Cosmic dawn and Epoch of Reionization: theory and simulations	
	14:00-16:15	Wen Zhao/USTC	Primordial Graviational Wave	
2025/7/4	8:30-11:45	Yi Mao/ Tsingua U.	EoR observation: 21cm and other probes	
	11:50-12:20	TA	Recitation	
	14:00-16:15	Wen Zhao/USTC	Cosmic Microwave Background	
	16:20-16:50	TA	Recitation	
2025/7/5	8:30-11:45	Bin Yue/NAOC	First luminous objects	
	11:50-12:20	TA	Recitation	
	14:00-16:15	Jiajun Zhang/SHAO	21cm Mapping and Simulation	
	16:20-16:50	TA	Recitation	
2025/7/6	8:30-11:45	Yichao Li/NEU	Introduction to radio astronomy	
	11:50-12:20	TA	Recitation	
	14:00-16:15	Feng Wang/Guangzhou U.	Principle of Interferometry Imaging	
	16:20-16:50	TA	Recitation	
2025/7/7	8:30-11:45	Yichao Li/NEU	Single Dish Observation	
	11:50-12:20	TA	Recitation	
	14:00-16:15	Xiaohui Sun/YNU	Polarization Observation	
	16:20-16:50	TA	Recitation	
2025/7/8	Free Discussion（10 min. each student）			
2025/7/9	8:30-11:45	Pengjie Zhang/SJTU	Introduction to Cosmology	Systematic Instructions
	11:50-12:20	TA	Recitation	
	14:00-16:15	Pengjie Zhang/SJTU	Large Scale Structure theory and observation	
	16:20-16:50	TA	Recitation	
2025/7/10	8:30-11:45	Qi Guo/BNU	Galaxy Evolution and Semi-analytical model	
	11:50-12:20	TA	Recitation	
	14:00-16:15	Pengjie Zhang/SJTU	Large Scale Structure	
	16:20-16:50	TA	Recitation	
2025/7/11	8:30-11:45	Xin Wang/SYSU	Cosmological data analysis	
	11:50-12:20	TA	Recitation	
	14:00-16:15	Yichao Li	Large Scale Structure data analysis	
	16:20-16:50	TA	Recitation	
2025/7/12	8:30-11:45	Le Zhang/SYSU	Foreground subtraction	
	11:50-12:20	TA	Recitation	
	14:00-16:15	Le Zhang, Yichao Li	Hackthon	
	16:20-16:50	TA	Recitation	
2025/7/13	8:30-10:00	Yidong Xu/NAOC	Semi-analytical model of reionzation/21cm forest	

	10:00-10:15	Tea Break		Systematic Instructions
	10:15-11:45	Hongsheng Zhao/St. Andrews	Test of relativisitc effects and altenative gravity	
	Lunch			
	14:00-14:45	Zhenya Zheng/SHAO	Observation of galaxies during EoR	Frontier Reports
	14:45-15:30	Chang Feng/USTC	Radio background radiation	
	15:30-15:45	Tea Break		
	15:45-16:30	Hayato Shimabukuro/YNU	Applications of Machine Learning in 21cm Cosmology	
	16:30-17:15	Zhiqi Huang/SYSU	Frontiers of CMB research	Frontier Reports
2025/7/14	9:00-09:45	Xuele Chen/NAOC	The Ultra-long Wavelength Astronomy and Hongmeng Observatory	
	09:45-10:30	Lister Staveley-Smith (U. Western Australia)	TBD(invited talk)	
	10:30-10:45	Tea Break		
	10:45-11:30	Ming Zhu/NAOC	FAST HI galaxy survey	
	11:30-12:15	Xiaohu Yang/SJTU	TBD(invited talk)	
	Lunch			
	14:00-14:45	Rennan Barkana/ Tel Aviv U.	TBD(invited talk)	
	14:45-15:30	Anastasia Fialkov/Cambridge U.	TBD(invited talk)	
	15:30-15:45	Tea Break		
	15:45-16:30	Andrei Mesinger/Scuola Normale Superiore	TBD(invited talk)	
	16:30-17:15	Hong Guo/SHAO	Studies of HI galaxies	
2025/7/15	End			

Abbreviations

BNU	Beijing Normal University, Beijing, China
NAOC	National Astronomical Observatories, Chinese Academy of Science, Beijing, China
NEU	Northeastern University, Shenyang, Liaoning, China
SHAO	Shanghai Astronomical Observatories, Chinese Academy of Science, Shanghai, China
SJTU	Shanghai Jiaotong University, Shanghai, China
SYSU	Sun Yat-Sun University, Zhuhai, Guangdong, China
USTC	University of Science and Technology of China, Hefei, Anhui, China
YNU	Yunnan University, Kunming, Yunnan, China

Full name