

## Schedule

### January 13, 2025, Monday

Time 日期	Name 报告人	Title 报告题目
7:30-8:30	Breakfast	
09:00-10:00	<b>Qi Guo</b>	Hyper-Millennium project: a hyper cosmological simulation for the next generation of large-scale structure survey
10:00-10:30	Coffee Break	
10:30-11:30	<b>David L. Wiltshire</b>	Cosmology beyond the dark ages
12:00-13:30	Lunch	
14:00-15:00	<b>Marco Galoppo</b>	General Relativistic Galaxy Dynamics
	<b>Daniela Cors</b>	Gravitational waves from boson star mergers
15:00-15:30	Coffee Break	
15:30-16:30	<b>Florian Beyer</b>	Nonlinear fluid dynamics near the Big Bang singularity
16:30-17:30		
17:30-19:00	Dinner	

### January 14, 2025, Tuesday

Time 日期	Name 报告人	Title 报告题目
7:30-8:30	Breakfast	
09:00-10:00	<b>Francesco Sylos-Labini</b>	Statistical Properties of Cosmological Density Fields and the Size of the Largest Structures
10:00-10:30	Coffee Break	
10:30-11:30	<b>Ulrich Sperhake</b>	Numerical Relativity and Applications in Cosmology
12:00-13:30	Lunch	
14:00-15:00	<b>Jinhua Wang</b>	Noncompact $n$ -dimensional Einstein spaces as attractors for the Einstein flow
	<b>Chao Liu</b>	The emergence of nonlinear Jeans-type instabilities for quasilinear wave equations
15:00-15:30	Coffee Break	
15:30-16:30	<b>Bin Hu</b>	The possible evidence of modification to gravity
16:30-17:30		
17:30-19:00	Dinner	

**January 15, 2025, Wednesday**

Time 日期	Name 报告人	Title 报告题目
7:30-8:30	Breakfast	
09:00-10:00	<b>David Fajman</b>	Aspects of Mathematical Cosmology
10:00-10:30	Coffee Break	
10:30-11:30	<b>Håkan Andréasson</b>	Oppenheimer-Snyder type collapse for a collisionless gas
12:00-13:30	Lunch	
14:00-17:30		
17:30-19:00	Dinner	

**January 16, 2025, Thursday**

Time 日期	Name 报告人	Title 报告题目
7:30-8:30	Breakfast	
09:00-10:00	<b>Marco Bruni</b>	Relativistic Nonlinear Dynamics in Structure Formation in $\Lambda$ CDM
10:00-10:30	Coffee Break	
10:30-11:30	<b>Wen Zhao</b>	Gravitational-wave standard sirens and implication for cosmology
12:00-13:30	Lunch	
14:00-15:00	<b>Xinliang An</b>	How to Make a Black Hole
	<b>Alex Vañó Viñuales</b>	Hyperboloidal compactification for wave equations on FLRW backgrounds
15:00-15:30	Coffee Break	
15:30-16:30	<b>JianHua He</b>	Wave Effects of Gravitational Waves
16:30-17:30		
17:30-19:00	Dinner	

**January 17, 2025, Friday**

Time 日期	Name 报告人	Title 报告题目
7:30-8:30	Breakfast	
09:00-10:00	<b>Shi Pi</b>	Non-Gaussianities and Primordial Black Holes
10:00-10:30	Coffee Break	
10:30-11:30	<b>Shao Jiang Wang</b>	Random sample generation for galaxy survey and sample variance correlation for distance ladder
12:00-13:30	Lunch	
14:00-17:30		
17:30-19:00	Dinner	