

## West Lake Workshop on Nuclear Physics 2024

Oct. 18-20, 2024 at Zhejiang University

Tentative timetable as of Sep. 10. Each talk is supposed to be 45 min. in total.

Oct. 18

8:30	Opening remarks	
Chair (TBA)		
8:45	Jie Zhao	Strong-field UPC (TBC)
9:30	Hidetoshi Taya	Opportunities of strong-field physics in intermediate-energy heavy-ion collisions
10:15	Break	
Chair (TBA)		
10:45	Takafumi Niida	Spin measurements in HIC (TBC)
11:30	Li Yan	Weak magnetic effect in quark-gluon plasma
12:15	Lunch	
Chair (TBA)		
14:00	Shi Pu	Spin hydrodynamics and causality problem
14:45	Masaru Hongo	Developments in hydrodynamics (TBC)
15:30	Break	
Chair (TBA)		
16:00	Chunjian Zhang	Nuclear structure experiment (TBC)
16:45	Bo Zhou	Nuclear structure theory (TBC)
18:00	Workshop dinner	

Oct. 19

Chair (TBA)		
8:30	Xiangjin Kong	Laser nuclear physics (TBC)
9:15	Meng Xiao	Energy correlator measurements in CMS
10:00	Break	
Chair (TBA)		
10:30	Subhash Singha	Charge-dependent directed flow measurements from RHIC
11:15	Chiho Nonaka	Numerical MHD in HIC (TBC)
12:00	Lunch	
Chair (TBA)		
14:00	Kohei Kamada	Chiral magnetohydrodynamics in the early Universe cosmology
14:45	Di-Lun Yang	Chiral transport phenomena in core collapse supernovae
15:30	Yoshimasa Hidaka	Hamiltonian lattice gauge theory: application to nonequilibrium and dense QCD matter
16:15 - Evening	Free discussions	

Oct. 20

Chair (TBA)		
8:30	Kazuya Mameda	Sign-inversion of magnetovortical charge from gauge invariant thermodynamics
9:15	Shu Lin	Radiative corrections to spin polarization in off-equilibrium medium
10:00	Gaoqing Cao	Interplay between rotation and electromagnetic fields
10:45	Break	
Chair (TBA)		
11:15	Hidefumi Matsuda	Study of 3+1D Spacetime Evolution of Glasma in Relativistic Heavy-Ion Collisions
12:00	Shuzhe Shi	Quantum real time evolution for emergence of collectivity in the Schwinger model
12:45	Lunch	
	Free discussions	