



# The 16th Workshop on QCD Phase Transition and Relativistic Heavy-Ion Physics (QPT 2025)

Sunday, 26 October 2025

## Parallel III: Flow & Correlation I - 周宫 (Zhou Palace) (08:45 - 10:05)

time	[id] title	presenter
08:45	[26] 重离子碰撞中椭圆流分裂行为的研究:TRENT0-3D + CLVisc模拟	Prof. JIANG, Ze-Fang
09:05	[69] Flow simulation at 500 MeV/u U+U in CEE experiment	WU, wanlong
09:25	[91] Flow measurements at LHCb experiment	王, 剑桥
09:45	[148] Shear and bulk viscosities of gluon plasma across the transition temperature	ZHANG, Cheng

## Parallel III: Flow & Correlation II - 周宫 (Zhou Palace) (11:00 - 12:20)

time	[id] title	presenter
11:00	[100] A new pathway to probe the structure of nuclei from heavy to light	Prof. ZHANG, Chunjian
11:20	[95] Nuclear Clustering and Non-Equilibrium Dynamics in Small-System Collisions	ZHAO, Xin-Li
11:40	[40] Investigating U238 Deformation via Dilepton Production in Relativistic Heavy-Ion Collisions	ZHOU, Wenhao
12:00	[59] Collective flow measurements in OO and NeNe collisions with CMS	彭, 佳腾

## Parallel III: Theoretical Developments I - 周宫 (Zhou Palace) (14:25 - 15:45)

time	[id] title	presenter
14:25	[27] Early Thermalization in kinetic theory via sBBGKY	LU, Shuai
14:45	[126] Extract the speed of sound in the presence of quantum fluctuations	MU, Yushan
15:05	[172] Probing Nuclear Cluster Structure and Nucleon-Nucleon Correlations in Heavy-Ion Collisions	李, 沛
15:25	[163] Quantum Entanglement of Particles With Zero Lifetime in Photoproduction Process	吴, 鑫

## Parallel III: Theoretical Developments II - 周宫 (Zhou Palace) (16:15 - 17:55)

time	[id] title	presenter
16:15	[175] Hydrodynamization Time Hierarchies Across n-Point Functions	Prof. ABBASI, Navid
16:35	[117] Energy dependence of transverse momentum fluctuations in Au+Au collisions from a multiphase transport model	Dr 张, 留耀

16:55	[13] Onset of hydrodynamics in a strongly coupled system based on quantum many-body calculation	邵, 海洋
17:15	[7] QGP Thermalization in Early Stage ---Entropic Manifestation of Multi-particle Entanglement in Early Stage of HIC	梁, 晨曦
17:35	[111] Free Energy Structure and Relaxation Characteristics Near the First-Order Phase transition Line	郭, 冉冉

Monday, 27 October 2025

Parallel III: Flow & Correlation III - 周宫 (Zhou Palace) (08:20 - 10:00)

time	[id] title	presenter
08:20	[212] Onset of Constituent Quark Number Scaling in Heavy-Ion Collisions at RHIC	施, 梳苏
08:40	[25] Two-Particle Correlations of Light Nuclei and Hyperons in Heavy-Ion Collisions at STAR	MI, Ke
09:00	[21] Search for the Strange Dibaryons with Baryon Correlations at STAR	ZHANG, Kehao
09:20	[79] Observation of Strong Collectivity for $\phi$ meson in High Baryon Density Region at RHIC	ZHENG, Guangyu
09:40	[48] Anisotropic Hydrodynamics Expands the Domain of Applicability of Hydrodynamics	彭, 亦扬

Parallel III: Nucleon Structure - 周宫 (Zhou Palace) (10:30 - 12:10)

time	[id] title	presenter
10:30	[28] On possible implications of the exponential distribution of constituent quarks within proton at high energies	Dr XIANG, Wenchang
10:50	[80] Imaging nuclear modifications on parton distributions at the LHC and EicC/EIC	茹, 芃 YANG, Meng-Quan
11:10	[84] Global Analyses of Collinear Fragmentation Functions from the NPC Collaboration	Dr SHEN, XiaoMin
11:30	[159] Nucleon Tomography with 0-jettiness	林, 硕
11:50	[154] Measurement of transverse polarization of $\Lambda/\bar{\Lambda}$ inside jets in $\sqrt{s}=200$ GeV collisions at	高, 涛亚