



# The 15th Workshop on QCD Phase Transition and Relativistic Heavy-Ion Physics (QPT 2023)

Sunday, 17 December 2023

parallel I - 国会厅 (09:00 - 17:50)

time	[id] title	presenter
09:00	[170] Unveiling the dynamics of little-bang nucleosynthesis	SUN, KaiJia
09:20	[172] Light Nuclei Production in Au+Au Collisions at 14.6 and 19.6 GeV from RHIC BES-II	金, 宜萱
09:40	[173] Mass spectra of meson nonet (pions, kaons, $\eta$ and $\eta'$ ) and the related QCD phase transitions under external magnetic field	毛, 施君
10:00	[174] Bubble dynamics in a first-order quark-hadron transition	MAO, Hong
10:20	coffee break	
10:50	[175] The QCD phase transition intrigued by turbulence	HUANG, anping
11:10	[176] 高温高密QCD物质中守恒荷涨落性质的运输模型研究	陈, 倩
11:30	[177] fRG study of QCD phase structure under rotation	陈, 浩磊
11:50	[178] Coupling strength induced BCS-BEC crossover on phase boundary of pion superfluid	刘, 志洋
12:10	lunch break	
14:00	[179] The nonequilibrium evolution near the phase boundary	LI, Xiaobing
14:20	[180] Net baryon number fluctuations established by rapidity scan of an inhomogeneous system from statistical thermal models	LI, Jianing
14:40	[181] Fluctuations of conserved charges in strong magnetic fields in (2+1)-flavor QCD	顾, 锦彪
15:00	[182] Microscopic Encoding of Macroscopic Universality: Scaling Properties of Dirac Eigenspectra near QCD Chiral Phase Transition	黄, 玮平
15:20	[183] Functional renormalization group study of the quark-meson model with $\omega$ and $\rho$ vectors meson	王, 文韬
15:40	coffee break	
16:10	[184] Recent progress on intermittency analysis in relativistic heavy-ion collisions	LI, Zhiming
16:30	[185] Functional renormalization group study of neutral and charged pion under magnetic fields in the quark-meson model	温, 睿
16:50	[186] Dilepton production enhancement from the first-order chiral phase transition	ZHOU, Wenhao
17:10	[187] Energy Dependence of Intermittency for Charged Hadrons in Au+Au Collisions from the STAR Experiment at RHIC	吴, 锦
17:30	[188] Track finding algorithm for the TPC detector at CEE experiment	GUO, Aiqiang

## Monday, 18 December 2023

parallel I - 国会厅 (09:00 - 12:10)

time	[id] title	presenter
09:00	[225] Recent measurements of the electromagnetic probes at RHIC	杨, 驰
09:20	[227] Collision-energy dependence of the Breit-Wheeler process in heavy-ion collisions and its application to nuclear charge radius measurements	王, 晓凤
09:40	[228] Measuring QGP temperature with thermal dielectrons with STAR BES-II data	王, 桢
10:00	[226] A UV-Regulated Theory of Diffusion	ABBASI, Navid
10:20	coffee break	
10:50	[230] Decay contributions to the parity-odd fragmentation functions	SONG, Yu-kun
11:10	[231] Spin Alignment Induced by Magnetic Moment Polarization	许, 坤
11:30	[229] 探索中子星内部可能的强子夸克相变	QIN, Pianpian
11:50	[232] Medium-Assisted Enhancement of Exotic Hadron Production from Small to Large Colliding Systems	郭, 钰