

Workshop on Advances, Innovations, and Future Perspectives in High-Energy Nuclear Physics

Sunday 20 October 2024

Plenary: session 1 (10:10 - 12:20)

-Conveners: Yugang Ma

time	[id] title	presenter
10:10	[5] Little Bang at Big Colliders: 40 years of ultra-relativistic heavy ion physics	SCHUKRAFT, Jurgen
10:40	[6] China-France cooperation and achievement	BASTID, Nicole
11:05	[7] From PHOS to FoCal - 25 years of collaboration CCNU-UiB	ROEHRICH, Dieter
11:30	[8] China-Italy cooperation and achievement	ROSSI, Andrea
11:55	[67] ALICE-China cooperation and achievement	ZHOU, Daicui

Plenary: session 2 (14:00 - 16:00)

-Conveners: Nu Xu

time	[id] title	presenter
14:00	[9] ALICE Highlights	SCHWEDA, Kai
14:30	[10] LHCb Highlights	ZHU, Xianglei
15:00	[11] CMS Highlights	CHEN, Zhenyu
15:30	[68] ATLAS Highlights	HU, Qipeng

Plenary: session 3 (16:20 - 18:25)

-Conveners: Yves Schutz

time	[id] title	presenter
16:20	[15] Science, and reconstruction of hadronic events at the CEPC	RUAN, Manqi
16:50	[16] Study of QCD phase structure at RHIC	XU, Nu
17:20	[95] Probe element synthesis in star with deep underground JUNA facility	LIU, Weiping
17:50	[96] Collectivity: Prospects and Future Directions	JIA, Jiangyong

Monday 21 October 2024

Plenary: session 4 (08:30 - 10:30)

-Conveners: Xinnian Wang

time	[id] title	presenter
08:30	[39] Heavy quark production in magnetic and rotational fields	ZHUANG, Pengfei
09:00	[40] Global quark spin correlations in relativistic heavy ion collisions	LIANG, Zuo-tang
09:30	[41] Soft physics for high energy nucleus-nucleus collisions	SONG, Huichao
10:00	[70] Heavy flavour production in LHCb	HE, Jibo

Plenary: session 5 (10:50 - 12:20)

-Conveners: Xu-Guang Huang

time	[id] title	presenter
10:50	[54] Density dependent QCD effects in pp collisions	MORSCH, Andreas
11:20	[55] Parton fragmentation from vacuum to nuclear medium	XING, Hongxi
11:50	[56] Light and heavy flavor jet quenching in relativistic heavy-ion collisions	CAO, Shanshan

Plenary: session 6 (14:00 - 16:00)

-Conveners: Zebo Tang

time	[id] title	presenter
14:00	[90] The ALICE upgrade program	VAN LEEUWEN, Marco
14:30	[57] The development of Si detector in ALICE: from ITS2 to ITS3	FANTONI, Alessandra
15:00	[43] ALICE detector development at CCNU	YIN, Zhong-Bao
15:30	[97] ALICE 3 physics programme	MAIRE, Antonin

Plenary: session 6 (16:20 - 18:15)

-Conveners: Qinghua Xu

time	[id] title	presenter
16:20	[98] Greetings	MASCIOCCHI, Silvia
16:25	[58] Prospects and challenges for LHCb upgrades	GUITTIERE, Manuel
16:50	[91] MAPS chip R&D at CCNU	SUN, Xiangming
17:15	[45] Efficient scientific computing with the ALICE event processing nodes GPU-based farm	RONCHETTI, Federico
17:45	[59] Detector development at CIAE	LI, Xiaomei

Tuesday 22 October 2024

Plenary: session 7 (08:30 - 10:10)

-Conveners: Zhongzhou Ren

time	[id] title	presenter
08:30	[19] Experimental insights from CMS in ultra-peripheral collisions	YANG, Shuai
08:55	[20] Jet quenching and medium-response	YANG, Zhong
09:20	[71] Probing the flavour dependence of parton showers	ZARDOSHTI, Nima
09:45	[21] Study of EEC discrimination power on quark and gluon quenching effects in heavy-ion collisions at 5.02 TeV	DAI, Wei

Plenary: session 8 (10:30 - 12:10)

-Conveners: Fengshou Zhang

time	[id] title	presenter
10:30	[23] How far can we see back in time in high-energy collisions using charm hadrons?	BARNAFOLDI, Gergely Gabor
10:55	[53] Lattice determination of heavy quark diffusion	Mr SHU, HaiTao
11:20	[24] Cold nuclear matter effects on jet production at the LHC	Dr SHAO, Dingyu
11:45	[72] Classical description of quark interactions	TAN, Zhiguang

Plenary: session 9 (14:00 - 15:40)

-Conveners: DF Hou

time	[id] title	presenter
14:00	[25] Isolated photon production in pp, pPb and PbPb collisions measured with ALICE	CONESA BALBASTRE, Gustavo
14:25	[73] QCD Challenges	PETROVICI, Mihai
14:50	[26] Observation of the Antimatter Hypernucleus Antihyperhydrogen-4	QIU, Hao
15:15	[60] Multiplicity-dependent quarkonium production	URAS, Antonio

Plenary: session 10 (16:00 - 18:05)

-Conveners: Jurgen Schukraft

time	[id] title	presenter
16:00	[29] Testing CPT symmetry with multi-strange baryons mass precision measurements using ALICE	SCHOTTER, Romain
16:25	[52] Quarkonium production in heavy-ion collisions	BAI, Xiaozhi
16:50	[75] Quarkonium production in pp and p-Pb collisions	FEUILLARD, Victor Jose Gaston
17:15	[76] Prompt/non-prompt Jpsi production in ALICE	COQUET, Maurice
17:40	[77] Quarkonium photoproduction in peripheral PbPb and ultra-peripheral collisions	ARSENE, Ionut Cristian

Wednesday 23 October 2024

Plenary: session 11 (08:30 - 10:10)

-Conveners: Xiaoming Zhang

time	[id] title	presenter
08:30	[32] HBT correlation in heavy-ion collisions with a hard process	Prof. KE, Weiyao
08:55	[61] Overview of recent HF highlights results	TERREVOLI, Cristina
09:20	[33] Overview of experimental results on open heavy-flavour hadronization	ROSSI, Andrea
09:45	[34] Probing the quark-gluon plasma with heavy-flavour hadrons	GROSA, Fabrizio

Plenary: session 12 (10:30 - 12:10)

-Conveners: Yapeng Zhang

time	[id] title	presenter
10:30	[78] Spin polarization in A+A and p+A collisions	PU, Shi
10:55	[46] Spin polarization phase transition and transportation of QGP at finite temperature in the presences of magnetic field and rotation	FENG, Sheng-Qin
11:20	[92] Distilling circularly polarized photon emission from magnetized chiral plasmas	WANG, Xinyang
11:45	[62] Spin polarization of Λ hyperons along beam direction in p+Pb collisions using hydrodynamic approaches	YI, Cong

Plenary: session 13 (14:00 - 16:05)

-Conveners: Zaochen Ye

time	[id] title	presenter
14:00	[47] Collectivity from the STAR BES program	SHI, Shusu
14:25	[48] Extraction of sound velocity in ultra-central heavy-ion collisions	YAN, Li
14:50	[49] Imaging shapes of atomic nuclei in High-Energy Nuclear collisions	ZHANG, Chunjian
15:15	[79] Probing collectivity with fluctuations of the pt spectrum	OLLITRAULT, Jean-Yves
15:40	[80] W and Z production in hadronic collisions with ALICE	STOCCO, Diego

Plenary: session 14 (16:25 - 17:40)

-Conveners: Dieter Roehrich

time	[id] title	presenter
16:25	[50] Unveiling the origin of QGP-like effects in pp and p-Pb collisions using flattenicity	ORTIZ VELASQUEZ, Antonio
16:50	[63] Constraining the gluon helicity at STAR	LIN, Ting
17:15	[94] Anisotropic flow measurements in small collision systems	ZHAO, Mingrui

Thursday 24 October 2024

Plenary: session 15 (09:00 - 10:15)

-Conveners: Heng-Tong Ding

time	[id] title	presenter
09:00	[83] Deep learning for nuclear equation of state at extreme conditions	PANG, LongGang
09:25	[84] Exploring nuclear structure with multiparticle azimuthal correlations at the LHC	LU, Zhiyong
09:50	[85] External magnetic field induced paramagnetic squeezing effect in heavy-ion collisions at the LHC	JIANG, Zefang

Plenary: session 16 (10:35 - 12:15)

-Conveners: Guangyou Qin

time	[id] title	presenter
10:35	[86] Nonperturbative heavy quark transport in a semi-Quark-Gluon-Plasma	LI, Shuang
11:00	[87] Search for the chiral magnetic effect with forced match of multiplicity and elliptic flow in isobar collisions at STAR	Dr LIN, Yufu
11:25	[88] Exotic states production in nuclear collisions at the LHC energy	SHE, Zhilei
11:50	[89] Closing Remarks	ZHANG, Xiaoming