

Strangeness in Quark Matter 2022 (SQM 2022)

Tuesday 14 June 2022

Poster: Bulk matter phenomena, QCD phase diagram, and Critical point (17:10 - 19:00)

[id] title	presenter	board
[241] Thermal production of Sexaquark in relativistic heavy Ion Collisions	BRAVINA, Larisa	
[231] Quark deconfinement in compact stars through sexaquark condensation *	IVANYTSKYI, Oleksii	
[86] Magneto-vortical effect and response functions from chiral kinetic theory in magnetized plasma	YANG, Lixin	
[149] Deep learning inverse problems for exploration of matter in extreme conditions	Dr ZHOU, Kai	
[11] Asymmetric longitudinal flow decorrelations in proton-nucleus collisions	QIN, Guang-You	
[191] Novel phenomena in QCD Kondo phase of dense quark matter	Dr SUZUKI, Kei	
[193] Shear viscosity of strange and non-strange particles in Au+Au collisions at intermediate energies	ZABRODIN, Evgeny	
[198] Model investigations of the beam-energy dependence of the transverse momentum and flow correlations	TARANENKO, Arkadiy	
[204] Finding hyperons and quarks in neutrons stars using gaussian processes	MROTCZEK, Débora	
[184] Electric charge fluctuations from the lattice	PASZTOR, Attila	
[18] Signatures of the spin Hall effect in hot and dense QCD matter	FU, Baochi	
[12] Effect of variation in relaxation time on elliptic flow in PbPb and AuAu collisions	HATWAR, Nikhil	BLK-01
[21] Energy dependence of N_{tN_p}/N_d^2 in the vicinity of a first-order chiral phase transition	Dr SUN, KaiJia	BLK-02
[42] Correlations between multiparticle cumulants and mean transverse momentum in small collision systems with the CMS detector	TUO, Shengquan	BLK-03
[46] Search for elliptic azimuthal anisotropies in photon-proton and pomeron-Pb interactions with ultraperipheral pPb collisions with the CMS experiment	BEHERA, Subash Chandra	BLK-04
[72] Differential study of Λ -hyperon polarization in a few-GeV regime within transport model approach	Mr VITIUK, Oleksandr	BLK-05
[82] Scaling approach to nuclear structure in nuclear collisions	Dr ZHANG, Chunjian	BLK-06
[101] Probing novel baryonic spin Hall effect using Λ spin polarization at STAR	HU, Qiang HU, Qiang	BLK-07
[105] Non-identical particle femtoscopy in Pb-Pb collisions at 5.02 TeV with ALICE	CHAKRABORTY, Pritam	BLK-08
[110] Directed flow of identified particles in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}} = 14.6$ and 19.6 GeV	LIU, Zuowen	BLK-09
[113] Triangular flow of strange and multi-strange hadrons in BES-II energies at RHIC	DIXIT, Prabhupada	BLK-10
[116] Search for critical point in NA61/SHINE	CZOPOWICZ, Tobiasz	BLK-11

[121] Deuteron number fluctuations and proton-deuteron correlations in high-energy heavy-ion collisions in STAR experiment at RHIC	MALLICK, Debasish	BLK-12
[124] Charge and heat transport coefficients of a weakly magnetized hot and dense QCD medium	Dr RATH, Shubhalaxmi	BLK-13
[160] Nonuniform-temperature effects on the phase transition	Dr JIANG, Lijia	BLK-14
[229] Multi-Fluid Hydrodynamics for RHIC BES/FAIR/NICA, Remade	Dr KARPENKO, Iurii	BLK-15
[164] Higher-order event-by-event mean- $\langle p_{\perp} \rangle$ fluctuations in pp and A-A collisions with ALICE	SAHA, Swati	BLK-16
[166] Fluctuations of conserved charges in strong magnetic fields	DING, Heng-Tong LIU, Junhong	BLK-17
[169] Exploring the QCD phase diagram with complex Langevin	JÄGER, Benjamin	BLK-18
[171] PointNet for fast event characterisation in heavy-ion collision experiments	OMANA KUTTAN, Manjunath	BLK-19
[178] Modification of hadron multiplicity ratios at the chiral phase transition	BUMNEDPAN, Thiranat	BLK-20
[188] Charged kaon femtoscopy with Lévy sources in $\sqrt{s_{NN}}=200$ GeV Au+Au collisions at PHENIX	Mr KOVÁCS, László	BLK-21
[209] New measurements in fixed-target collisions at LHCb	SELLAM, Sara	BLK-22
[219] Probing Effect of Nuclear Shape Coexistence in Heavy-Ion Collisions using Glauber Model	DIMRI, Aman	BLK-23
[225] Flow and transverse momentum correlation in Pb+Pb and Xe+Xe collisions with ATLAS: assessing the initial condition of the QGP	BHATTA, Somadutta	BLK-24
[249] Topological separation of dielectron signals in Pb-Pb collisions with ALICE	JUNG, Jerome	BLK-25
[203] Baryon number, strangeness, and electric charge fluctuations in hydrodynamics at the LHC	ALMAALOL, Dekrayat	BLK-26
[218] Exploring the criticality of QCD with effective field theory for fluctuating hydrodynamics	SOGABE, Noriyuki	BLK-27
[94] Lifetime measurements of light hypernuclei in Au+Au collisions from STAR experiment	LI, Xiujun	RES-02

Poster: Detector upgrades and Future experiments (17:10 - 19:00)

[id] title	presenter	board
[62] The ALICE FoCal	KIM, Dong-Geon	DET-01
[123] Production of $\rho_{c}(4312)$ state in electron-proton collisions	PARK, Inwoo	DET-02

Poster: Heavy-flavor and Quarkonia (17:10 - 19:00)

[id] title	presenter	board
[237] Axial-vector properties of singly heavy baryons	SUH, JungMin	
[151] Data-driven extraction of heavy quark diffusion in quark-gluon plasm	Dr LI, Shuang	
[167] Heavy and light flavor jet quenching in different collision systems at the LHC energies	LIU, Yu-Fei	
[30] Ground and excited quarkonium states as probes of MPI in small systems with ALICE	EDER, Tabea Maria	HF-01
[126] Measurements of quarkonia production in jets at LHCb	COOKE, Naomi	HF-02

[143] Spin-Dependent Heavy-Quark Interactions and Transport in the QGP	TANG, Zhanduo	HF-03
[145] Heavy quarkonium dynamics at next-to-leading order in the binding energy over temperature	ISLAM, Ajaharul	HF-04
[146] Medium-enhanced \bar{c} -production	MAZELIAUSKAS, Aleksas	HF-05
[155] Probing initial longitudinal geometry and electromagnetic field with directed flows of soft and heavy flavor hadrons	JIANG, Zefang	HF-06
[201] Saturation and subnuclear structure from heavy flavour data	SALAZAR, Farid SALAZAR, Farid	HF-07
[168] Measurement of medium effects on B^+ meson production ($B^+ R_{\{pPb\}}$) in pPb collisions at LHC energies with the CMS detector	DOGRA, Sunil Manohar	HF-08
[210] Heavy flavor and exotic production at LHCb	SMITH, Krista Lizbeth	HF-09
[223] Screening of moving heavy quark and modification quarkonium states in quark gluon plasma	SEBASTIAN, Jobin	HF-10
[226] Correlation of Upsilon states with underlying event activity 13 TeV pp collisions measured by the ATLAS experiment	AIZENBERG, Iakov	HF-11
[230] Impacts of heavy-flavor probes in small colliding systems	KE, Weiyao	HF-12
[240] Heavy quark transport through viscous quark-gluon plasma	Ms SHAIKH, Adiba	HF-13
[248] J/ψ in Small Systems with PHENIX	SMITH, Krista Lizbeth SMITH, Krista	HF-14

Poster: Light-flavor and Strangeness (17:10 - 19:00)

[id] title	presenter	board
[244] Charge distribution of the nucleon and its Abel image	GHIM, Juneyoung	
[235] Gravitational form factors of the baryon octet and their stability conditions with flavor SU(3) symmetry breaking	WON, Ho-Yeon	
[205] Initializing Strange Densities in the Initial State with Open-Source ICCING	CARZON, Patrick	
[133] Strangeness production in d+Au collisions at $\sqrt{s_{NN}} = 200$ GeV using the STAR detector	AGGARWAL, Ishu	
[234] Polarization of Λ and anti- Λ hyperons in heavy-ion collisions at intermediate energies in hydrodynamic and microscopic transport models	BRAVINA, Larisa	
[71] Time evolution of global polarization within an improved microscopic approach	LI, Xiaowen	
[74] Xi baryon production via hyperon resonances in sub-threshold heavy-ion collisions	ZÉTÉNYI, Miklós	
[154] Study the production of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 54.4$ GeV using the STAR detector	DHAMIJA, Arushi	LF-01
[134] Fluctuations in Lambda multiplicity distribution in Au+Au collisions at $\sqrt{s_{NN}} = 3$ GeV at STAR	BALL CAP, Jonathan Gonzalo	LF-02
[172] Anisotropy of the QGP revealed through high- p_{\perp} data	Mr STOJKU, Stefan	LF-03
[182] Exploring jet transport coefficients in the strongly interacting quark-gluon plasma	Mr GRISHMANOVSKII, Ilia	LF-04
[202] QGP tomography with ebe-DREENA framework	ZIGIC, Dusan	LF-05

[108] Strangeness production in Au+Au collisions at $\sqrt{s_{NN}} = 27, 19.6,$ and 14.5 GeV from STAR	ASLAM, Sameer	LF-06
[23] Multistrange hyperon production on nuclear targets	Mrs CARLOS, Merino	LF-07
[179] Strangeness production from rare decays of heavy baryonic resonances and multi-particle interactions	STAUDENMAIER, Jan	LF-08

Poster: Other topics (17:10 - 19:00)

[id] title	presenter	board
[243] The mass-radius relations of neutron stars in an pion mean-field approach	GHIM, Namyong	
[85] Quantum kinetic theory for QED and shear-induced spin polarization	LIN, Shu	
[90] Dynamically groomed jet radius in heavy-ion collisions	TAKACS, Adam	
[104] Dilepton Helical Production in a Vortical Quark-Gluon Plasma	DONG, Lihua	
[84] Pseudo-gauge dependence of spin polarization in heavy-ion collisions	BUZZEGOLI, Matteo	OTH-01
[107] Identified hadron spectra in high-statistics p+p collisions at 158 GeV/c	SHUKLA, Anirvan	OTH-02
[127] Asteroseismology of compact stars with nucleonic and strange-quark matter cores	Dr BARTA, Dániel	OTH-03
[140] Causal second order magnetohydrodynamics from kinetic theory using RTA approximation	PANDA, Ankit Kumar	OTH-04
[141] Global and local Λ polarization from 27 to 200 GeV from a 3D viscous hydrodynamic model	LOMICKY, Ondrej	OTH-05
[150] Studying Hadronization by Machine Learning Techniques	BARNAFOLDI, Gergely BARNAFOLDI, Gergely Gabor	OTH-06
[174] Gravitational form factor of soliton in 1+1 dimensional ϕ^4 model	Mr ITO, Hiroaki	OTH-07
[194] Chiral Magnetic Effect and Isobar Collisions	LIAO, Jinfeng	OTH-08
[221] Probing neutron-skin thickness with free spectator neutrons in ultracentral high-energy isobaric collisions	LIU, Lu-Meng	OTH-09

Poster: Resonances and Hyper-nuclei (17:10 - 19:00)

[id] title	presenter	board
[239] The properties of dynamically generated ρ axial-vector meson resonance	CLYMTON, Samson	
[89] Multiplicity-dependent study of $\Lambda(1520)$ resonance production in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV with ALICE	PADHAN, Sonali	RES-01
[102] Event shape and multiplicity dependence of $K^*(892)$ mesons at mid-rapidity in pp collisions at $\sqrt{s} = 13$ TeV with ALICE at the LHC	DEB, Suman	RES-03
[125] Mesonic strange resonances in p+p collisions at SPS energies	TEFELSKA, Angelika Magdalena	RES-04
[162] K^* production in Pb-Pb collisions with ALICE at the LHC	DAS, Prottay	RES-05
[173] Charged particle multiplicity dependence of charged K^* production in pp collisions with ALICE	ROSANO, Antonina	RES-06
[176] The phi meson in nuclear matter from dilepton and K^+K^- decays	Dr GUBLER, Philipp	RES-07

[190] Kinetic versus potential mechanism for deuteron production in heavy-ion collisions from SIS to RHIC energies	Dr COCl, Gabriele	RES-08
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