

STAR Collaboration meeting

11 Aug - 15 Aug, 2025

Kent State University

Monday, August 11

STAR JUNIORS' DAY ::

<https://bnl.zoomgov.com/j/1612901631?pwd=F6WA8bJOdbHNI02ddh9bzW3mwwanag.1> :: 09:00-18:00

09:00-09:20	Opening Remarks	Iris Ponce
09:20-10:20	Lattice QCD	Professor Andrew Hanlon
10:20-10:40	Coffee Break	
10:40-11:40	Baryon Junction	Chun Yuen Tsang
11:40-12:40	STAR Through the Years	Professor Zhangbu Xu
12:40-14:15	Lunch Break	
14:15-15:00	Physics Opportunities with the Event Plane Detector at STAR	Balazs Korodi
15:00-16:00	Matter-Antimatter Mass Difference Measurement of (Anti) Triton, (Anti) Helium-3, and (Anti) Helium-4	Dr. Emmy Duckworth
16:00-16:40	Jets at the LHC	Sierra Cantway
16:40-18:40	Hiking On Ledges Trail At Cuyahoga Valley National Park (405 Truxell Road, Peninsula, Ohio 44264)	
19:00-21:00	Dinner At Mike's Place (1700 S Water St, Kent, Oh 44240)	

Tuesday, August 12

CF PWG PARALLEL SESSIONS I :: Room 110 :: 09:00-18:00

08:59-09:00	Zoom: https://lbnl.zoom.us/j/99674086499?pwd=tsdkoagDfyGICa3OBHslMqVoiSxsOa.1	
09:00-09:20	Measurements of p-Omega and Lambda-Lambda Correlation Function in Isobar Collisions	Kehao Zhang (CCNU remote)
09:20-09:40	Measurements of proton-Xi Correlation Functions in Au+Au Collisions at 19.6GeV from STAR Beam Energy Scan II	Jing An (CCNU remote)
09:40-10:00	Measurement of p-phi correlation function in Isobar collisions at 200 GeV	Boyang Fu (CCNU remote)
10:00-10:20	Measurement of proton-Ks0 correlation function in Isobar collisions at 200 GeV	Mijia Yang (CCNU remote)
10:20-10:40	Coffee Break	
10:40-11:00	Measurements of proton-proton correlation functions from BESII energies	Chuan Fu (remote)
11:00-11:20	Proton-Lambda Correlations in Au+Au Collisions at 200 GeV	Mahima Sharma (Univesity of Jammu remote)
11:20-11:40	Measurement of Proton-AntiOmega Correlation Function in Isobar collisions at 200 GeV	Xuan Wang (CCNU remote)
11:40-12:00	Energy dependent on pion-pion HBT with Levy sources	Daniel Kincses (ELTE remote)
12:00-12:59	Lunch Break	
13:00-13:20	Measurements of Light Nuclei(d,t,He3)-Lambda correlation in Au+Au collisions at 3 GeV	Xialei Jiang (CCNU/GSI remote)
13:20-13:40	Third-body Coulomb effect on pion femtoscopy	Vinh Luong (JINR, remote)

Tuesday, August 12, cont-d

13:40-14:00	3D pion-pion HBT at 200 GeV with Levy sources	Yan Huang (ELTE remote)
14:00-14:20	Kaon-proton correlation function in Au+Au collisions at 3 GeV	Malgorzata Kurach (WUT, remote)
14:20-14:40	Tilted emission source in the Au+Au collisions	Yevheniia Khyzhniak
SPIN/COLD-QCD PWG SESSION I :: Room 204 :: 09:00-18:00		
08:59-09:00	https://bnl.zoomgov.com/j/1616069263?pwd=aHJIMEErQXVDVjc2dnFvQ21wY2R2dz09	[ZOOM Link]
09:00-09:30	Run 13 pp510 W Longitudinal SSA TMD Analysis	Chao Wang (Shandong, remote)
09:30-10:00	Run 15 pp200 Analysis QA	Yi Gao (Shandong, remote)
10:00-10:30	Run 17 pp510GeV Lambda Transverse Polarization Analysis	Jinhao He (Shandong, remote)
12:00-14:00	Lunch Break	
14:00-14:30	Run 15 polarized pp200 Dihadron Analysis Update	Anuja Khanal (Temple, remote)
14:30-15:00	Run15 pp200 pi0 TSSA Analysis	Ananya Paul (Riverside, remote)
15:00-15:30	Run 22 pi0 TSSA Analysis	David Kapukchyan (Riverside, remote)
15:30-16:00	Run 15 pp200 Embedding Request	Christopher Larson (Kentucky, remote)
LFSUPC PWG PARALLEL SESSION I :: Room 223, Zoom:		
https://bnl.zoomgov.com/j/1601558428?pwd=Sdq1rYGgqK03VZrzbUG9zz0r63QIs.1 :: 09:00-18:00		
09:10-09:30	Update on Coulomb dissociation measurement in Isobar UPC at $\sqrt{s_{NN}}=200$ GeV with STAR Experiment	Huda Narsulloh (Remote)
09:30-09:50	Omega production in Au+Au collisions at 17.3 and 19.6 GeV	Yi Fang (Remote)
09:50-10:10	Phi production in Au+Au collisions at 17.3 and 19.6 GeV and in O+O(ps) collisions at 200 GeV	Weiguang Yuan (Remote)
10:10-10:30	Update on Strange and Multi-Strange Hadron Spectra in O+O collisions	Iris Ponce
10:30-11:00	Coffee Break	
11:00-11:20	Charged kaon production in FXT 3.2-3.9 GeV.	Ziyue Xiang (Remote)
11:20-11:40	K_S^0 spectra and femtoscopic correlations in Au+Au collisions at $\sqrt{s_{NN}}=19.6$ GeV from STAR	Armen Kechechyan (Remote)
11:40-12:00	Measurement of pseudorapidity distributions with the EPD	Balazs Korodi
12:00-12:20	Charged particle spectra for FXT	Mathias Labonte (Remote)
12:20-14:20	Lunch	
14:20-14:40	Measurement of Sudakov radiation in the Breit-Wheeler process in UU UPCs at STAR	Nicholas Jindal
14:40-15:00	Entanglement Enabled Spin Interference between photonuclear and photon-photon production of $\pi^+\pi^-$	Sam Corey
15:00-15:20	Search for Exotic Particles in 2,4-Prong Decay Channel in pp collisions at $\sqrt{s}=510$ GeV	Aranya Giri (Remote)
15:30-16:00	Coffee Break	
16:00-16:20	Bulk properties of the isobar systems	Chun Yuen Tsang
16:20-16:40	Proposal for two more beam energies of isobar data at RHIC	Zhangbu Xu

Tuesday, August 12, cont-d

FCV PWG PARALLEL SESSION-I :: Room 108 :: 09:00-18:00

08:59-08:59	https://bnl.zoomgov.com/j/1612377416?pwd=V3kvcnN5ZTRLVEc4U01QWUUYcDQ1UT09	[Zoom Link]
09:00-09:20	Directed flows of light nuclei across large rapidities in FXT and COL Au Au Collisions	Ding Chen
09:20-09:40	Status of the Global Polarization Paper for Lambda, Xi, and Omega Hyperons at BES-II Energies	Tong Fu
09:40-10:00	Hyperons Spin Correlation in Au+Au collision at BES-II	Xingrui Gou
10:00-10:20	Measurements of Λ Hyperon Spin-Spin Correlations in Isobar Collisions	Yufu Lin
10:20-10:40	v_1 of light nuclei in 7.7-27 GeV Au+Au collisions	Minmin Wang
10:40-11:00	Coffee Break	
11:00-11:20	Directed Flow Splitting Between Λ and $\bar{\Lambda}$ from Electromagnetic Effects in Heavy-Ion Collisions	Gang Wang/Aditya Prasad Dash
11:20-11:40	Pion v_2 coalescence test at BES-II energies	Xiatong Wu
11:40-12:00	Characterizing initial- and final-state effects of relativistic nuclear collisions at the RHIC	Niseem Magdy Abdelrahman
12:00-14:00	Lunch Break	
14:00-14:20	Proton/Anti-Proton v_1 from BES II “ Update with $ V_z $ Extension to 145 cm	Emmy Duckworth
14:20-14:40	Measurement of v_4 driven by v_2 in BES-II	Sooraj Radhakrishnan

HP-PWG SESSION I :: Room 111 :: 09:00-18:00

09:00-09:30	Semi-inclusive jet mass measurement	Jeongmyung Kang [remote]
09:30-10:00	D0-pi, D0-K & D0-p femtoscopic correlations in Au+Au collisions with combined data of Run 14+16	Priyanka Roy Chowdhury [remote]
10:00-10:30	Heavy-flavor electron production in Au+Au collisions at 54.4 GeV	Veronika Prozorova
10:30-11:00	Coffee Break	
11:00-11:30	Generalized angularity studies	Tanmay Pani
11:30-12:00	Modification of general angularities of D0-jets in Au+Au collisions at 200 GeV	Ondrej Lomicky
12:00-14:00	Lunch	
14:00-14:30	J/psi in jets in pp collisions at 510 GeV	Jitka Mrazkova

Wednesday, August 13

CF PWG PARALLEL SESSIONS II :: Room 110 :: 09:00-18:00

08:59-09:00	Zoom: https://lbnl.zoom.us/j/99674086499?pwd=tsdkoagDfyGICa3OBHslMqVoiSxsOa.1	
09:00-09:20	The correlation of conserved charges in isobar collision s at 200 GeV	Changfeng Li (CCNU remote)
09:20-09:40	High moment analysis at FXT 3.9 GeV	Zhaohui Wang (CCNU remote)
09:40-10:00	High moment analysis at FXT 4.5 GeV	Yu Zhang (GXNU, remote)
10:00-10:20	proton fluctuation measurement from 4.5 GeV FXT dataset	Mathias Labonte (UC Davis)
10:20-10:40	Coffee Break	
10:40-11:00	Baryon-Strangeness Correlations with Feed-down Correction from 7.7-200 GeV	Hanwen Feng (CCNU remote)

Wednesday, August 13, cont-d

11:00-11:20	Rapidity Scan of Net-proton Higher Moment	Yige Huang (CCNU remote)
11:20-11:40	Long paper status of the BES-II net-proton fluctuation analysis	Fan Si (Heidelberg University, remote)
11:40-12:00	High moment analysis at FXT 3.2 GeV	Xin Zhang (IMP/GSI remote)
12:00-12:59	Lunch Break	
13:00-13:20	High moment analysis at FXT 3.5 GeV	Yongcong Xu (CCNU/GSI remote)
13:20-13:40	Paper status update on the $C\bar{A}, \dots C\bar{A}, \dagger$ analysis from BES-II	Bappa Mondal (NISER remote)
13:40-14:00	Proton fluctuations from 3.0 GeV FXT data	Kate Matsubayashi (UC Davis remote)
14:00-14:20	Extracting the speed of sound in mean transverse momentum measurements in Au+Au collisions at 200 GeV	Caleb Broodo (UH remote)

COLD QCD PARALLEL SESSION II :: Room 204 :: 09:00-18:00

08:59-09:00	https://bnl.zoomgov.com/j/1616069263?pwd=aHJIMEErQXVDVjc2dnFvQ21wY2R2dz09	[ZOOM Link]
09:00-09:30	Run 15 pAu200 Lambda Transverse Polarization Analysis	Xiaohui Liu (Shandong, remote)
09:30-10:00	Run 15 pAu200 dijet Sivers Analysis	Zongyang Lu (Shandong, remote)
10:00-10:30	Polarized EEC Measurement at STAR	Ting Lin (Shandong, remote)
10:30-11:00	Coffee Break	
11:00-11:30	Investigating the broadening phenomenon in two-particle correlations induced by gluon saturation	Xiaoxuan Chu (BNL, remote)
11:30-12:00	Probing Cold Nuclear Matter Effects via π^0 RpA at Forward Rapidity	Dener De Souza Lemos (BNL, remote)
12:00-12:30	J/Ψ Spin Asymmetry in Ultra-Peripheral Collisions in run15 p+Au at $\sqrt{s} = 200$ GeV	Evgeny Shulga (BNL, remote)
12:30-14:00	Lunch Break	
14:00-14:30	Run 15 pAu200 Collins Analysis Update	Bassam Aboona (TAMU, remote)
14:30-15:00	Run 17 pp510 GeV: Normalized EEC	Manny R. (Kentucky, remote)
15:00-15:30	Run 17 TOF PID Update	Joseph Atchison (ACU, remote)

LFSUPC PWG PARALLEL SESSION II :: Room 223, Zoom:

<https://bnl.zoomgov.com/j/1601558428?pwd=Sdq1rYGgqK03VZrzbUG9zz0r63QIs.1> :: 09:00-18:00

09:30-09:50	Measurement of identified particle spectra and tracking the baryon number in O+O collisions	Wendi Lv (Remote)
09:50-10:10	Measurement of direct photon in isobar collision	Xiawen Bao (Remote)
10:10-10:30	Measurement of charge symmetry breaking in A=4 hypernuclei in Au+Au collisions at STAR	Tianhao Shao (Remote)
10:30-11:00	Coffee Break	
11:00-11:20	Production of unstable light nuclei (Li-4) in Au+Au collisions at 3GeV	Junlin Wu (Remote)
11:20-11:40	Light nuclei status at BES-II energies	Sibaram Behera (Remote)
11:40-12:00	Light nuclei production in Au+Au collisions at 7.7-27 GeV	Yixuan Jin (Remote)

Wednesday, August 13, cont-d

12:00-12:20	Light Nuclei production and double ratio in FXT 3.2-4.5 GeV	Liubing Chen (Remote)
12:20-14:20	Lunch	
14:20-14:40	Baryon Stopping at Collider/FXT overlap energies	Ziyuan Zeng (Remote)
14:40-15:00	A Space Radiation Program at STAR	Andrew Liggett (Remote)
15:00-15:20	EESI in hadronic Au+Au collisions in the STAR experiment	Leszek Kosarzewski
15:30-16:00	Coffee Break	
16:00-16:20	2pi final state analysis in OO UPC data	David Tlusty

FCV PWG PARALLEL SESSION-II :: Room 108 :: 09:00-18:00

08:59-08:59	https://bnl.zoomgov.com/j/1612377416?pwd=V3kvcnN5ZTRLVEc4U01QWUUycDQ1UT09	[zoom link]
09:00-09:20	v0(pt) measurements in Au+Au collisions at 19.6 and 200 GeV	Yuli Kong
09:20-09:40	Analysis status update on the $\hat{A}$ beam $\hat{A}$ energy scan of $V\hat{A}, \epsilon(pT)$ from 7.7 to 200 GeV	Bappaditya Mondal
09:40-10:00	v0pT studies at 200 GeV	Ashish Pandav
10:00-10:20	Study of vn-pT correlation and pT fluctuations in d+Au and O+O	Zaining Wang
10:20-10:40	Longitudinal Flow De-correlation in Small Collision Systems	Zhengxi Yan
10:40-11:10	Coffee Break	
11:00-11:20	Flow plane decorrelations at 19.6 GeV Au+Au collision	Yunshan Cheng
11:20-11:40	Probing Collectivity in Photonuclear Processes at RHIC: Updates	Souvik Paul
11:40-12:00	$\pi/k/p$ flow in dAu and OO	Souvik Paul
12:00-14:00	Lunch Break	
14:00-14:20	Model studies of three particle nonflow correlations	Fuqiang Wang

HP-PWG SESSION II :: Room 111 :: 09:00-18:00

09:00-09:30	Jet substructure in p+p 2012 paper progress	Monika Robotkova
09:30-10:00	Inclusive Jet Analysis in 2014 Au+Au	Michal Svoboda
10:00-10:30	Upsilon-pion azimuthal correlations in Run17	Kristyna Sedova
10:30-11:00	Coffee Break	
11:00-11:30	Upsilon meson production in Run17	Jakub Ceska
11:30-12:00	J/psi vs 510 GeV event multiplicity analysis	Brennan Schaefer [remote]
12:00-14:00	Lunch	
14:00-14:30	PID Efficiency calculation in p+p 510 GeV Run 17 D0 Analysis	Subhadip Pal

Thursday, August 14

PLENARY SESSION I :: Zoom:

<https://bnl.zoomgov.com/j/1612901631?pwd=F6WA8bJOdbHNI02ddh9bzW3mwwanag.1> :: 09:00-14:15

09:00-09:30	Introduction	Frank Geurts/Lijuan Ruan
09:30-10:00	Embedding Status	Xionghong He (remote)
10:00-10:10	Group Photo At Risman Plaza (between Student Center And Library)	
10:10-10:35	Coffee Break	
10:35-11:00	FXT proton high moments	Yu Zhang
11:00-11:25	Observation of a Strange Muonic Atom and Its Antimatter in Heavy-Ion Collisions	Xiaofeng Wang
11:25-11:50	Search for the strange di-baryon via momentum correlations in Isobar collisions	Ke Mi
11:50-12:15	Summary talk on V0(pt)	Zaining Wang
12:15-14:15	Lunch	

TOWN HALL MEETING :: TBD :: 14:15-15:45

Thursday, August 14, cont-d

14:15-14:25	pAu Cold QCD	Elke-Caroline Aschenauer
14:25-14:35	pAu Hot QCD	Mike Lisa
14:35-14:45	FXT at 4.2 and 4.5 GeV	Nu Xu
14:45-14:55	Isobar at 62 and 27 GeV	Zhangbu Xu
14:55-15:10	Machine perspective	Chuyu Liu (remote)

PLENARY SESSION II :: Zoom:

<https://bnl.zoomgov.com/j/1612901631?pwd=F6WA8bJOdbHNI02ddh9bzW3mwwanag.1> :: 15:45-18:35

15:45-16:15 Coffee Break

16:15-16:40	Energy correlator measurements in jets	Andrew Tamis
16:40-17:10	Calibration and production status	Gene Van Buren
17:10-17:40	Status report on run 25	J.H. Lee (remote)
17:40-18:10	Forward reconstruction update	Daniel Brandenburg
18:10-18:35	PAC Report	Sooraj Radhakrishnan

BANQUET :: KSC Schwebel Room :: 19:00-21:00

Friday, August 15

THEORY SESSION :: Zoom:

<https://bnl.zoomgov.com/j/1612901631?pwd=F6WA8bJOdbHNI02ddh9bzW3mwwanag.1> :: 09:00-11:30

09:00-10:00	Theory talk 1: Neutron-star informed EoS for heavy ions	Veronica Dexheimer
10:00-11:00	Theory talk 2: Extraction of ground-state nuclear deformations from ultra-relativistic heavy-ion collisions	Kyle Godbey

11:00-11:30 Coffee Break

PLENARY SESSION III :: Zoom:

<https://bnl.zoomgov.com/j/1612901631?pwd=F6WA8bJOdbHNI02ddh9bzW3mwwanag.1> :: 11:30-18:00

11:30-11:55	Energy independence of the Collins asymmetry in pp collisions	Yixin Zhang
11:55-12:20	The diffractive study with RHICf and STAR detector	Seunghwan Lee
12:20-14:20	Lunch	
12:20-14:20	Management-convener meeting	Sooraj Radhakrishnan
14:20-14:35	Shift report	Daniel Cebra
14:35-15:00	Council report	Kenneth Barish
15:00-15:20	Coffee Break	
15:20-15:45	FCV PWG summary	Richard Seto
15:45-16:10	LFSUPC PWG summary	Chun Yuen Tsang
16:10-16:35	CF PWG summary	Xin Dong
16:35-17:00	HP PWG Summary	Jana Bielcikova
17:00-17:25	ColdQCD PWG summary	Zilong Chang

THE END
