

Session Program

21-26 Jun 2026



13th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions

Poster session

Vanderbilt University

Tuesday 23 June

18:00

Poster session

Session | **Location:** Garland 064

19:40-20:00

Measurement of Ξ_{c}^{+} -baryon production in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.36 \text{ TeV}$ with ALICE

Speaker

Giyeong Kim

19:40-20:00

Quantifying vacuum-like jets in heavy-ion collisions: a Machine Learning study

Speaker

João A. Gonçalves

19:40-20:00

Exploring small-angle emissions in D0-tagged jets in Pb-Pb collisions at 5.02 TeV

Speaker

Lorenzo Frosina

19:40-20:00

Measurement of Jet Nuclear Modification in heavy ion collisions for large jet area extending to Run3 with CMS detector.

Speaker

Uttam Acharya

19:40-20:00

Operation and performance of the sPHENIX vertex detector

Speaker

Iftekhar Ahmed

19:40-20:00

Characterizing inclusive charged-particle jet production and fragmentation in pp collisions with ALICE

Speaker

Joonsuk Bae

19:40-20:00

sPHENIX foundation model development for reconstruction and analysis

Speaker

Mariia Mitrankova

19:40-20:00

sPHENIX streaming readout of tracking detectors for novel measurements in high-rate, unbiased p+p data

Speaker

Hao-Ren Jheng

19:40–20:00

sPHENIX probes of multiparton interaction and QCD radiation in jet events in p+p collisions**Speaker**

Benjamin Kimelman

19:40–20:00

sPHENIX novel use of generative AI for physics measurements**Speaker**

Cameron Dean

19:40–20:00

Open charm production in fixed-target mode at LHCb**Speaker**

Sharelle Habah Yazzie

19:40–20:00

Hadronization in heavy-flavour jets at LHCb**Speaker**

Ezra Lesser

19:40–20:00

Probing nuclear geometry with flow measurements in fixed-target collisions at LHCb**Speaker**

Haley Delgarito

19:40–20:00

Collective effects in small systems in LHCb**Speaker**

Elaina Hillary Saltclah

19:40–20:00

Femtосcopy measurements at LHCb**Speaker**

Jackson Reeves Pybus

19:40–20:00

Heavy-flavour hadronization studies in small systems at LHCb**Speaker**

John Matthew Durham

19:40–20:00

Intermediate mass dilepton measurements with LHCb in Run 3**Speaker**

Thomas Boettcher

19:40–20:00

Strangeness production at LHCb**Speaker**

Cesar Luiz Da Silva

19:40–20:00

 Λ polarization measurements at LHCb**Speaker**

Devon Alexander Loomis

19:40–20:00

Studies of ϕ -meson production at LHCb**Speaker**

Jiazhao Lin

19:40–20:00

Deuteron identification and production at LHCb**Speaker**

Nicholas William Retan

19:40–20:00

A quantification of in-jet azimuthal asymmetry for jets in e+e- collisions at 91.2 GeV using the archived ALEPH data**Speaker**

Kuan Lu

19:40–20:00

Anti- k_T jet spectra measurement for small- and large-size jets up to $R = 1.2$ using e^+e^- collisions at 91.2 GeV with the ALEPH archived data**Speaker**

Shuangyi Zhou

19:40–20:00

Massively Scaling Up Jet Modification Analysis: Global Curated Data, Analysis Infrastructure, and Tools**Speaker**

Jingyu Zhang

19:40–20:00

Dijet production in intermediate x at EIC**Speakers**

Dr Xin-Nian Wang, Yu Fu

19:40–20:00

Photon Production, Photon Enhancement and Photon Absorption in a Monte Carlo Framework**Speaker**

Rainer Fries

19:40–20:00

Low- p_T direct-photon production and HBT correlations in heavy-ion collisions measured with ALICE**Speaker**

Joshua Leon Konig

19:40–20:00

Observable sensitivity to evolution of charm quark in the early phases of relativistic heavy-ion collisions**Speaker**

Mayank Singh

19:40–20:00

Jet Quenching and Fluctuations.**Speaker**

Umair Ahmad

19:40–20:00

Investigating nuclear shape via the Breit-Wheeler process in U+U UPCs at STAR**Speaker**

Nicholas Jindal

19:40–20:00

Studying properties of baryon-dominated matter with dileptons**Speaker**

Sukyung Kim

19:40–20:00

System-size dependence of charged-particle R_{AA} **Speaker**

Abraham Thomas Holtermann

19:40–20:00

Heavy Quark dynamics in QGP using effective field theory**Speaker**

Jyotirmoy Roy

19:40–20:00

Systematic effects in resonance signal extraction with the ALICE detector**Speaker**

Veronika Barbasova

19:40–20:00

Production of $\psi(2S)$ in jets using Fragmenting Jet Function framework**Speaker**

Yu Fu

19:40–20:00

Inclusive and Dijet EEC measurements in proton-proton collisions with ALICE**Speaker**

Ibrahim Abualrob

19:40–20:00

Calorimeter-Based Jet Shape Measurements in sPHENIX**Speaker**

Aahana Brahma

19:40–20:00

Modular Energy Loss Treatment (MELT) of high-momentum particles in a quark-gluon plasma**Speaker**

Isaac Long

19:40–20:00

Jet Energy Scale Calibration and Measurement of the Inclusive Jet Cross-Section in p+p Collisions at $\sqrt{s}=200\,\mathrm{GeV}$ with the sPHENIX Detector**Speaker**

Hanpu Jiang

19:40–20:00

Measurements of D^0 and D^{*} production in p+p collisions at $\sqrt{s} = 510\,\mathrm{GeV}$ in the STAR experiment**Speaker**

Subhadip Pal

19:40–20:00

Groomed vs ungroomed jet angularities from $\sqrt{s} = 200\,\mathrm{GeV}$ p + p collisions in STAR

Speaker

Tanmay Pani

19:40-20:00

Search for Diffusion Wake Signatures in Dijet Systems via Rapidity Asymmetry of Jet-Hadron Correlations in $\sqrt{s_{NN}}=200$ GeV Au+Au Collisions at STAR**Speaker**

Gabriel Dale-Gau

19:40-20:00

Quarkonium suppression with QTRAJ 1.1 beyond the dipole**Speaker**

Mr Jorge Manuel Martínez Vera

19:40-20:00

Impact of the thermal photon rate uncertainty on the direct photon puzzle**Speaker**

Mr Harvir Dhindsa

19:40-20:00

Dijet momentum imbalance and azimuthal correlations in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV with the sPHENIX detector**Speaker**

Dr Tanner Mengel

19:40-20:00

Characterization of Jet Quenching via Machine Learning**Speaker**

Khovesh Anthony Ramdin

19:40-20:00

 ϕ Meson Production in Ultra-Peripheral Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV at RHIC**Speaker**

Xihe Han

19:40-20:00

Charmonium production in Pb-Pb collisions at forward rapidity with ALICE**Speaker**

Sara Garetti

19:40-20:00

Inclusive J/ψ production at midrapidity in pp collisions at $\sqrt{s} = 5.36$ TeV with ALICE in Run3**Speaker**

Hyungjun Lee

19:40-20:00

Measurement of $\psi(2S)$ production at midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.36$ TeV with ALICE**Speaker**

Jinjoo Seo

19:40-20:00

Electron reconstruction in p+p collisions using sPHENIX silicon trackers and calorimeters

Speaker

Takashi Hachiya

19:40-20:00

Riders on the Flow: A New and Efficient Method to Compute Jet Wakes**Speaker**

Xiaojun Yao

19:40-20:00

From Lead to Helium: Discovery Potential for Jet Quenching in the Smallest Collision Systems**Speaker**

Coleridge Faraday

19:40-20:00

Anisotropic flow of charmonium states in relativistic heavy ion collisions**Speaker**

Sungtae Cho

19:40-20:00

Measurement of the J/ψ Fragmentation Function in pp Collisions at $\sqrt{s} = 13.6$ TeV with ALICE**Speaker**

Lucas Ferrandi

19:40-20:00

Toward a Complete Description of Partonic Interactions in JETSCAPE**Speaker**

Chathuranga Sirimanna

19:40-20:00

 J/ψ elliptical-flow v_2 analysis in OO collisions at midrapidity using ALICE Run-3 data**Speaker**

Ankur Yadav

19:40-20:00

Properties of open heavy-flavor probes from lattice QCD**Speaker**

Jorge Luis Dasilva Golan

19:40-20:00

Deterministic AI Surrogate Modeling for Fast Hydrodynamic Evolution of the Quark Gluon Plasma**Speaker**

Yeonju Go

19:40-20:00

Generalized background subtraction of N-point energy correlator in Heavy Ion Collisions**Speaker**

Laurynette Griffin

19:40-20:00

Exploring Muon Identification for Heavy Flavor Measurements in the sPHENIX Experiment

Speaker

Ghosoun Adawi

19:40-20:00

Dynamical soft-hard hadron correlations across momentum scales in the quark-gluon plasma**Speaker**

Lipei Du

19:40-20:00

sPHENIX Calorimeter Jet Substructure Measurements with Jet Reclustering**Speaker**

Noah Applegate

19:40-20:00

Reconstructing $\gamma \rightarrow e^+e^-$ with the sPHENIX detector at RHIC**Speaker**

Valerie Wolfe

19:40-20:00

Measurement of Jet Mass in $p+p$ Collisions at $\sqrt{s}=200$ GeV with the sPHENIX Experiment**Speaker**

Mr Muhammad Ibrahim Abdulhamid

19:40-20:00

Extraction of Fragmentation Function of Photons using JetScape**Speaker**

McKenna Sleeth

19:40-20:00

Letting the data speak for itself: Model-Agnostic Hadronization at the EIC using a new Event Generator**Speaker**

Jordi Salinas San Martin

19:40-20:00

Measurements of Energy Correlators from low to high multiplicity events in archived e^+e^- ALEPH data**Speaker**

Christopher Mc Ginn

19:40-20:00

Large scale comparisons between data and models using Rivet**Speaker**

Christine Nattrass

19:40-20:00

Two-particle correlations in $p+p$ collisions with sPHENIX**Speaker**

Milan Stojanovic

19:40-20:00

Integrating Rivet into Bayesian parameter estimation**Speaker**

Christal Martin

19:40–20:00

Charmonia at Finite Momentum and Spatial Correlators in Quark-Gluon Plasma**Speaker**

Thomas Hardin

19:40–20:00

A multi-scale approach to jet reconstruction**Speaker**

Ethan Fajardo

19:40–20:00

Solving the Boltzmann equation for heavy quarks using heavy quark phonon effective theory (ϕ -EFT)**Speaker**

Noah Koliadko

19:40–20:00

Measuring thermal dimuons at high baryochemical potential with the NA60+/DiCE experiment at the CERN SPS**Speaker**

Gianluca Usai

19:40–20:00

Calibration and Performance Studies of the sPHENIX Hadronic Calorimeter Using Cosmic-Ray Muons and LED Monitoring**Speaker**

Ahsan Mehmood Khan

19:40–20:00

High- p_T R_{AB}, v_2, v_3 and v_4 from Energy Loss in pPb, dAu, OO, and NeNe**Speaker**

William Horowitz

19:40–20:00

Forward ϕ -meson measurement in small and large systems at $\sqrt{s_{\rm NN}}=200$ GeV by PHENIX**Speaker**

Murad Sarsour

19:40–20:00

Probing Jet Quenching Dynamics with Higher-Point Energy Correlators**Speaker**

Arjun Srinivasan Kudinoor

19:40–20:00

Cold Nuclear Matter Effects: An unsolved puzzle**Speaker**

Ramona Vogt

19:40–20:00

Differential probes of jet evolution with charged energy-energy correlators at ALICE**Speakers**

Tucker Hwang, Tucker Hwang

19:40–20:00

Identifying Jet Quenching in Simulated Heavy-Ion Collisions with Machine Learning Models**Speaker**

Leonardo Lima Da Silva

19:40–20:00

Quantifying chaos and instabilities in Glasma via Lyapunov exponents**Speaker**

Ms Pooja -

19:40–20:00

 ϕ and Ω production in heavy ion collisions via recombination of jet parton showers**Speaker**

Prof. Kyong Chol Han

19:40–20:00

Charged-particle jet production in OO collisions at $\sqrt{s_{\rm NN}} = 5.36$ TeV with ALICE**Speaker**

Wooseok Ham

19:40–20:00

Dielectron analysis in Pb–Pb collisions in Run 3 with ALICE**Speaker**

Emma Charlotte Ege

19:40–20:00

Measurement of direct-photon HBT with the photon conversion method in ALICE in Pb–Pb collisions at $\sqrt{s_{\rm NN}} = 5.36$ TeV**Speaker**

Stefanie Mrozinski

19:40–20:00

Characterizing QGP properties with Quarkonium beyond the Markovian limit**Speakers**

Bruno Scheihing, Xiaojun Yao

19:40–20:00

Soft-dielectron measurement in pp collisions at $\sqrt{s} = 13.6$ TeV with ALICE in Run 3**Speaker**

Belana Lubinski

19:40–20:00

Jet Modifications Across the QGP and Hadronic Phases in J-PHASE Generator with SUBA-Jet**Speaker**

Josef Bobek

19:40–20:00

Measurement of the Lund jet plane in ppp collisions at $\sqrt{s} = 200$ GeV with STAR

Speaker

Emily Pottebaum

19:40-20:00

Measurement of jet invariant mass with semi-inclusive hadron+jet distributions in Zr+Zr and Ru+Ru collisions at $\sqrt{s_{\text{NN}}} = 200$ GeV with STAR

Speaker

jeongmyung kang

19:40-20:00

Charged-particle jet fragmentation in pp collisions with ALICE

Speaker

Jaehyeok Ryu

19:40-20:00

Anisotropic time evolution of sound modes in Bjorken expanding holographic plasma

Speaker

Mr Jun Zhang

19:40-20:00

Non-Equilibrium Dynamics in QCD and Holography

Speaker

Matthias Kaminski

19:40-20:00

Jet azimuthal anisotropies in O+O and Ne+Ne collisions at $\sqrt{s_{\text{NN}}} = 5.36$ TeV with ATLAS

Speaker

Mina Savic

19:40-20:00

Probing the Dead Cone Effect with D^0 -tagged Jet Energy Correlators in STAR

Speaker

Ryan James Hamilton

19:40-20:00

Bayesian parameter estimation for PbPb at $\sqrt{s} = 5$ TeV Using an SPH hydrodynamic code

Speaker

Surkhab Kaur

19:40-20:00

Radius Dependence of Jet Quenching in Central Pb+Pb Collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV with $R_{\text{AA}}^{R/0.2}$ and S_{loss}

Speaker

Rafet Kavak

19:40-20:00

Bottomonium transport in a strongly coupled quark-gluon plasma

Speaker

Dr Biaogang Wu

19:40-20:00

Covariant Jet Momentum Broadening in QCD Effective Kinetic Theory

Speaker

Ms Isabella Danhoni

19:40–20:00

Measurement of Ξ_{c}^{+} -baryon production via hadronic decay channel in pp collisions with ALICE**Speaker**

Jaeyoon Cho

19:40–20:00

Electron-muon azimuthal correlations from heavy-flavor hadron decays in proton-proton collisions at $\sqrt{s}=13.6$ TeV with ALICE**Speaker**

Shunsuke Kurita

19:40–20:00

Measurement of b-jet cross section in pp collisions using graph neural networks with ALICE**Speaker**

Changhwan Choi

19:40–20:00

Time-Based Reclustering for Identifying Early Jet Splittings in pp Collisions with ALICE**Speaker**

Morgan Bailey Knuesel

20:00