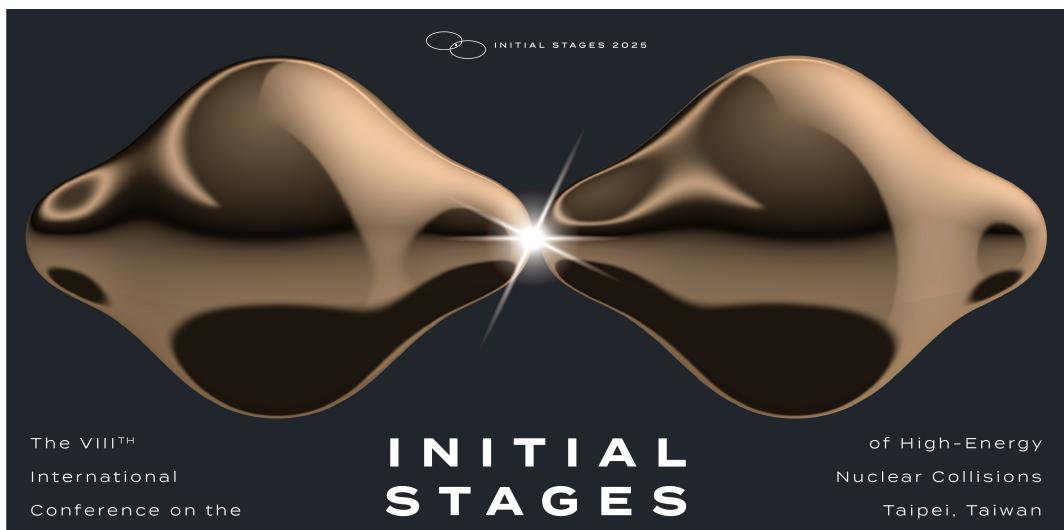


Session Program

7-12 Sept 2025



The VIII-th International Conference on the Initial Stages of High-Energy Nuclear Collisions : Initial Stages 2025

Parallel session

Tuesday 9 September

14:00

Parallel session: 1

Session | Location: The Forum, GIS NTU Convention Center | Convener: Prabhat Ranjan Pujahari

14:00-14:20

Charged particle production at mid and forward rapidities from small to large collision systems with ALICE

Speaker

Marta Urioni

14:20-14:40

sPHENIX measurements of bulk properties of Au+Au collisions

Speaker

Cheng-Wei Shih

14:40-15:00

Reconstructed Jets and Jet Substructure in 200 GeV p+p/p+Au/d+Au Collisions with PHENIX

Speaker

John Lajoie

15:00-15:20

sPHENIX measurements of jet and isolated photon production in p+p collisions at RHIC

Speakers

Daniel Lis, Daniel Lis

15:20-15:40

Probing the initial state with dijets in pPb collisions at 8.16 TeV with CMS

Speaker

Vipul Pant

15:40-16:00

Jet and heavy-flavor jet production in ultraperipheral proton-proton and PbPb collisions with CMS and TOTEM

Speaker

Jordan Lang

16:00

14:00

Parallel session: 2

Session | Location: Plato, GIS NTU Convention Center | Convener: Clemens Werthmann

14:00-14:20

The Imprint of Preequilibrium in Jet Flow and Suppression

Speaker

Adam Takacs

14:20-14:40

Universal behaviour in 3+1D Full Relativistic Boltzmann in terms of Knudsen number and opacity

	Speaker Vincenzo Nugara
	14:40-15:00
	Studying Collectivity in High-Multiplicity Proton-Proton Collisions with Viscous Anisotropic Hydrodynamics
	Speaker Shujun Zhao
	15:00-15:20 Rapidity-dependent QGP equilibration in QCD kinetic theory
	Speaker Luyao Fabian Zhou
	15:20-15:40 Anisotropic flow in small collision systems from a hybrid approach
	Speaker Lucas Constantin
16:00	15:40-16:00
16:00	Beyond Hydrodynamics: Modeling Early-Time Dynamics and Collective Flow in Small Systems with CoMBolt-ITA
16:00	Speaker Seyed Farid Taghavi
14:00	Parallel session: 3
14:00	Session Location: Socrates, GIS NTU Convention Center Convener: Aleksander Kusina
	14:00-14:20
	Parton structures in deep inelastic scattering with quantum computing
	Speaker Wenyang Qian
	14:20-14:40 Signals for fluctuating constituent numbers in small systems
	Speaker Andreas Kirchner
	14:40-15:00 New parton distributions of the real photon.
	Speaker Madhav Chithirasreemadam
	15:00-15:20
	Rapid adiabatic hydrodynamization and a generalized picture of attractors in kinetic theory
	Speaker Rachel Steinhorst
	15:20-15:40
	Yoctosecond imaging of the shape of Xe-129 at the Large Hadron Collider
	Speaker Govert Hugo Nijs
	15:40-16:00
	(3+1)D event-by-event pre-equilibrium dynamics in heavy-ion collisions

16:00	Speaker Dr Jie Zhu
16:30	Parallel session: 4 <p>Session Location: The Forum, GIS NTU Convention Center Convener: Cameron Dean</p> <p>16:30-16:50 J/ψ polarization measurement with ALICE at the LHC energies</p> <p>Speaker Bhagyarathi Sahoo</p> <p>16:50-17:10 Upsilon production and polarization measurements in pp collisions with ALICE</p> <p>Speaker Kshitish Kumar Pradhan</p> <p>17:10-17:30 Associated production of charm mesons in pp collisions with ALICE</p> <p>Speaker Andrea Tavira</p> <p>17:30-17:50 sPHENIX measurement of open-charm baryon-to-meson ratios in p+p collisions at RHIC</p> <p>Speaker Michael Joseph Peters</p> <p>17:50-18:10 Fraction of B-meson decays in J/ψ yields in p+p Collisions at $\sqrt{s} = 200$ GeV measured by the PHENIX detector at RHIC</p> <p>Speaker Rachid Nouicer</p>
18:10	
16:30	Parallel session: 5 <p>Session Location: Plato, GIS NTU Convention Center Convener: Kenta Shigaki</p> <p>16:30-16:50 Measurements of J/Ψ and impact of coincident photon induced processes in ultra-peripheral Pb+Pb collisions at TeV with the ATLAS detector</p> <p>Speaker Peter Alan Steinberg</p> <p>16:50-17:10 Exploring the dense gluonic matter via charmonium and bottomonium photoproduction in Ultra Peripheral Collisions at CMS</p> <p>Speaker Yu-Chen (Janice) Chen</p> <p>17:10-17:30 Probing gluonic matter with photoproduction of vector mesons in ultraperipheral collisions at CMS</p> <p>Speaker Ms Pranjal Verma</p>

	17:30-17:50	Study of Entanglement Enabled Spin Interference in peripheral Au+Au collisions with coherently photoproduced mesons in the STAR experiment
	Speaker	Dr Leszek Krzysztof Kosarzewski
18:10	17:50-18:10	Investigating Entanglement Enabled Spin Interference in photonuclear $p0 \rightarrow \pi^+\pi^-$ and $\gamma\gamma \rightarrow \pi^+\pi^-$ in Au+Au collisions at STAR
	Speaker	Samuel Corey
16:30	Parallel session: 6	
	Session Location: Socrate, GIS NTU Convention Center Convener: Dr Heikki Mäntysaari	
	16:30-16:50	Glasma Role in Jet Quenching Effects
	Speaker	Pablo Guerrero Rodríguez
	16:50-17:10	Entanglement-Driven Correlations: A New Window into Early-Time QCD Dynamics
	Speaker	James Daniel Brandenburg
	17:10-17:30	From JIMWLK to CSS
	Speaker	Prof. Michael Lublinsky
	17:30-17:50	Exploring the nuclear structure at the TeV energy scale using reverse engineering
18:10	Speaker	You Zhou
	17:50-18:10	Small systems with JEWEL and Trajectum
	Speaker	Isobel Kolbe

Wednesday 10 September

09:00

Parallel session: 7

Session | **Location:** The Forum, GIS NTU Convention Center | **Convener:** Raghunath Sahoo

09:00-09:20

Experimental discovery of the nuclear shape phase transition and nuclear structure on ultrashort timescales at the LHC with ALICE

Speaker

Maxim Virta

09:20-09:40

Probing Nuclear Structure and Parton Dynamics Using Jets with ATLAS

Speaker

Matthew Caleb Hoppesch

09:40-10:00

Top-Quark and Jet Probes of nPDFs with the ATLAS Experiment

Speaker

Benjamin Jacob Gilbert

10:00-10:20

Investigating nuclear shape effects in the Breit-Wheeler process through U+U UPCs at STAR

Speaker

Nicholas Jindal

10:20-10:40

Measurement of the Hard Exclusive π^0 Muoproduction at COMPASS

Speaker

Mr Po-Ju Lin

10:40

09:00

Parallel session: 8

Session | **Location:** Plato, GIS NTU Convention Center | **Convener:** Yuko Sekiguchi

09:00-09:20

Recent flow and correlation measurements in large and small collision systems with ATLAS

Speakers

Somadutta Bhatta, Somadutta Bhatta

09:20-09:40

QCD collectivity and searching for strangeness enhancement in photonuclear collisions and high-multiplicity jets at CMS

Speaker

Prabhat Ranjan Pujahari

09:40-10:00

Probing collectivity with multiparticle and charge-dependent correlations in small systems at CMS

	Speaker Rohit Kumar Singh
	10:00-10:20
	Probing the Neutron-Skin Effect with Charged--Hadron Ratios in Pb--Pb Collisions at $\sqrt{s}_{\text{NN}} = 5.36 \text{ TeV}$ with ALICE
10:40	Speaker Bong-Hwi Lim
09:00	10:20-10:40
	Studies of the nuclear initial state and early EM fields in PbPb with measurements of top quark pair production and Z boson dimuon decays at CMS
	Speaker Andre Govinda Stahl
10:40	Parallel session: 9
	Session Location: Socrates, GIS NTU Convention Center Convener: Di-Lun Yang
	09:00-09:20 Next-to-leading order dilepton production from the pre-equilibrium
	Speaker Mika Spier
	09:20-09:40
	Quantum Evolution and Gluon Emission of Dressed Quarks in a SU(3) Colored Background
	Speaker Meijian Li
	09:40-10:00 Thermalization in ϕ^4 theory via quantum computing
	Speaker Iván Cuntín Broullón
10:40	10:00-10:20
	Nonperturbative particle production and evolution in the dynamic Glasma
	Speaker Nicholas Benoit
	10:20-10:40
	Observation of Universal Expansion Anisotropy from Cold Atoms to Hot Quark-Gluon Plasma
	Speaker Fuqiang Wang
11:10	Parallel session: 10
	Session Location: The Forum, GIS NTU Convention Center Convener: Yi Chen
	11:10-11:30
	The first measurement of two-particle correlation function with W-boson-pair events using archived ALEPH data at 183-209 GeV
	Speaker Tzu-An Sheng

11:30-11:50

Quantifying the role of strangeness in baryon production mechanisms through angular correlations in pp collisions at 13.6 TeV with ALICE

Speaker

Shirajum Monira

11:50-12:10

Probing strangeness enhancement in proton-proton collisions using rapidity correlations among a ϕ meson and a strange hadron with ALICE

Speaker

Stefano Cannito

12:10-12:30

Femtoscopic correlations between heavy and light flavor hadrons in heavy-ion collisions by STAR

Speaker

Yi Yang

12:30

Parallel session: 11

Session | **Location:** Plato, GIS NTU Convention Center | **Convener:** Satoshi Yano

11:10-11:30 **SMOG: a high-density gas target at the LHCb experiment**

Speaker

Chiara Lucarelli

11:30-11:50 **FoCal - ALICE forward calorimeter upgrade**

Speaker

Takashi Hachiya

11:50-12:10

Measurement of pion structure with Sullivan process and ePIC ZDC ECal development

Speaker

Chia-Yu Hsieh

12:10-12:30 **Target jet substructure**

Speaker

Meng-Hsiu Kuo

12:30

Parallel session: 12

Session | **Location:** Socrates, GIS NTU Convention Center | **Convener:** Dana Avramescu

11:10-11:30

Initial stage jet momentum broadening in a Light-Front Hamiltonian approach

Speaker

Carlos Lamas

11:30-11:50 **Tracing early time dynamics through high energy probes**

Speaker

Dr Souvik Priyam Adhya

11:50-12:10

Equilibration and Hydrodynamic Onset in Small and Large Systems.

Speaker

Cendikia Abdi

12:10-12:30

Inferring the initial condition for the BK evolution at next-to-leading order accuracy

Speaker

Carlisle Aurabelle Casuga

12:30