

Session Program

3-7 Jun 2024



12th Edition of the Large Hadron Collider Physics Conference

Heavy Ion Physics

Boston, USA
Northeastern University, Boston, USA

Monday 3 June

14:00

Heavy Ion Physics: HI + QCD

Session | **Location:** ISEC Room 140 | **Conveners:**
Dominik Karol Derendarz, Dilia Maria Portillo Quintero, Deepa Thomas, Michael Pitt, Yaxian Mao, Mengzhen Wang, Kara Mattioli, Dr Heikki Mäntysaari, Dr Daniel Pablos

14:00-14:18 Jet evolution & substructure modification within the QGP (Theory)

Speaker
Adam Takacs

14:18-14:36 Energy correlators in pp and AA (Theory)

Speaker
João Barata

14:36-14:54 Energy correlators in pp and AA (all experiments)

Speaker
Simon Rothman

14:54-15:12
Modification of jet substructure using inclusive and semi-inclusive events

Speaker
Peter Martin Jacobs

15:12-15:30 Medium response to jet propagation in the QGP

Speaker
Yeonju Go

15:30

Tuesday 4 June

14:00

Heavy Ion Physics: HI + QCD

Session | **Location:** ISEC Room 138 | **Conveners:**

Dominik Karol Derendarz, Yaxian Mao, Dilia Maria Portillo Quintero, Mengzhen Wang, Dr Heikki Mäntysaari, Michael Pitt, Deepa Thomas

14:00–14:18

Quantum simulation of jet evolution (Theory)

Speaker

Meijian Li

14:18–14:36

Cold nuclear matter effects (Theory)

Speaker

Pit Duwentäster

14:36–14:54

Studying initial state effects using peripheral and ultra- peripheral collisions

Speaker

Joakim Nystrand

14:54–15:12

Probing cold nuclear matter effects with heavy flavor and quarkonia in HI

Speaker

Mindaugas Sarpis

15:12–15:30

Light nuclei production

Speaker

Luca Barioglio

15:30

Wednesday 5 June

11:00

Heavy Ion Physics: Small System

Session | **Location:** ISEC Room 142 | **Conveners:**

Dominik Karol Derendarz, Andre Govinda Staahl, Kara Mattioli, Dr Daniel Pablos, Deepa Thomas

11:00-11:18

Dynamics of deconfined QCD matter (Theory)

Speaker

Dekrayat Almaalol

11:18-11:36

Collectivity in the absence of QGP (Theory)

Speaker

Javira Altmann

11:36-11:54

Search for jet quenching in small systems

Speaker

Filip Krizek

11:54-12:12

Collectivity in small systems + UPCs

Speaker

Soumya Mohapatra

12:12-12:30

Particle production vs multiplicity in small systems

Speaker

Dr Mindaugas Sarpis

12:30-12:48

Global discussion on the "Limits of QGP Formation"

12:48

14:00

Heavy Ion Physics: QGP properties + hadronization

Session | **Location:** ISEC Room 142 | **Conveners:**

Kara Mattioli, Dominik Karol Derendarz, Andre Stahl, Deepa Thomas, Dr Daniel Pablos

14:00-14:18

HF+Quarkonia propagation in the QGP (Theory)

Speaker

Peter Vander Griend

14:18-14:36

Hadronization in small and large systems (Theory)

Speaker

Andrea Beraudo

14:36-14:54

HF production, propagation and hadronization in QGP

Speaker

Stefano Politano

14:54-15:12

Probing medium properties in ultra- central collisions

Speaker

Somadutta Bhatta

15:12-15:30

Azimuthal flow and correlations in HI

15:30

Speaker
Shengquan Tuo