

## **Session Program**

**8-10 Jan 2025**

# **Hot Jets: Advancing the Understanding of High Temperature QCD with Jets**

## ***Afternoon Session***

Loomis Lab (UIUC), ICASU seminar room (next to room 230)  
University of Illinois Urbana, Illinois

Tuesday 7 January

13:30

Afternoon Session

**Session** |  
**Location:** Loomis Lab (UIUC), ICASU seminar room (next to room 230), University of Illinois Urbana, Illinois |  
**Convener:** Laura Brittany Havener

13:30–14:00	<b>Investigation of medium effects on energy-energy correlation (EEC) in jets within the CoLBT-hydro model.</b>  <b>Speaker</b> Zhong Yang
14:00–14:30	<b>Exploring QCD dynamics with charm-tagged jet substructure studies with ALICE</b>  <b>Speaker</b> Preeti Dhankher
14:30–15:00	<b>Multipoint Energy Correlators in Heavy Ion Collisions at RHIC Energies from Simulation</b>  <b>Speaker</b> Benjamin Kimelman
15:00–15:30	<b>coffee break</b>
15:30–16:00	<b>An EEC Way to See the Interplay Between Elastic Scatterings and Jet Wakes</b>  <b>Speaker</b> Arjun Srinivasan Kudinoor
16:00–16:45	<b>Undergraduate presentations</b>
16:45–17:15	<b>Discussion</b>

17:30

## Wednesday 8 January

13:30

### Afternoon Session

**Session** |**Location:** Loomis Lab (UIUC), ICASU seminar room (next to room 230), University of Illinois Urbana, Illinois |**Convener:** Ms Yi Chen

14:00–14:30

#### Factorized approach for jet production and substructure observables in HICs

**Speaker**

Dr Balbeer Singh

14:30–15:00

#### Jets in ATLAS

**Speaker**

Riccardo Longo

15:00–15:30

#### coffee break

15:30–16:00

#### Including a source term in hydrodynamic simulations

**Speaker**

Kevin Pala

16:00–16:30

#### Jet Substructure at LHCb

**Speaker**

Dillon Fitzgerald

16:30–17:00

#### Discussion

17:30

## Thursday 9 January

13:30

### Afternoon Session

**Session** |**Location:** Loomis Lab (UIUC), ICASU seminar room (next to room 230), University of Illinois Urbana, Illinois |**Convener:** Anne Marie Sickles

13:30–14:00

#### Investigating jet modification in absence of QGP-medium

**Speaker**

Prottoy Das

14:00–14:20

#### Calibrated (3+1)D hydrodynamic medium for ultrarelativistic collision physics

**Speaker**

Andi Mankolli

14:20–14:40

#### Machine Learning Application in Jet Quenching Analysis

**Speaker**

Yilun Wu

14:40–15:10

#### Discussion & Wrap-up

17:30