

Session Program

Nov 6 - 9, 2023

2nd workshop on advancing the understanding of non-perturbative QCD using energy flow

Jet and heavy-flavour

Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building

Mon, November 6

9:30 AM

Jet and heavy-flavour: Session 1

Session | **Location:** Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building |
Convener: Yang-Ting Chien

09:30 – 10:00 **Jet overview**

Speaker
Ian Moult

10:00 – 10:30 **Target Jet Substructure and Correlation**

Speaker
Yang-Ting Chien

10:30 AM

11:00 AM

Jet and heavy-flavour: Session 2

Session | **Location:** Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building |
Convener: Xuan Li

11:00 – 11:30 **STAR Heavy-flavor experiment results**

Speaker
Rongrong Ma

11:30 – 12:00 **sPHENIX heavy flavor experiment overview**

Speakers
Dr Cameron Dean, Jin Huang

12:00 PM

Tue, November 7

3:00 PM

Jet and heavy-flavour: Session 3

Session | **Location:** Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building | **Convener:** Yang-Ting Chien

15:00 – 15:30 **Jet energy correlator at sPHENIX**

Speaker

Derek Anderson

15:30 – 16:00

Investigating Non-Perturbative QCD Dynamics via Internal Jet Structures

Speaker

Charles-Joseph NAÏM

4:00 PM

4:30 PM

Jet and heavy-flavour: Session 4

Session | **Location:** Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building | **Conveners:** Raghav Kunnawalkam Elayavalli, Raghav Kunnawalkam Elayavalli

16:30 – 17:00 **Jet substructure and hadronization**

Speaker

Oleh Fedkevych

17:00 – 17:15

Probing hadronization via measurement of EECs in pp collisions at STAR

Speaker

Andrew Tamis

17:15 – 17:30

Probing the Parton Shower and Hadronization with Novel Jet Substructure Measurements at STAR

Speaker

Youqi Song

5:30 PM

Wed, November 8

9:30 AM

Jet and heavy-flavour: Session 4

Session | **Location:** Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building |
Convener: Charles-Joseph NAÏM

09:30 - 10:00 **Heavy flavor theory overview**

Speaker

Ivan Vitev

10:00 - 10:30

Probing the path-length dependence of parton energy loss via scaling properties in heavy ion collisions

Speaker

François Arleo

10:30 AM

11:00 AM

Jet and heavy-flavour: Session 5

Session | **Location:** Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building |
Convener: Charles-Joseph NAÏM

11:00 - 11:20 **PHENIX heavy flavor highlight**

Speaker

Brandon Blankenship

11:20 - 11:40 **PHENIX direct photon**

Speaker

Vassu Doorma

11:40 AM

Thu, November 9

9:30 AM

Jet and heavy-flavour: Experimental overview 1

Session | **Location:** Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building | **Convener:** Charles-Joseph NAÏM

09:30 – 10:00 Energy correlators

Speaker
Jack Holguin

10:00 – 10:20 Recent LHCb open heavy flavor study highlight

Speaker
Julie Napora

10:20 – 10:40 Recent LHCb quarkonium study highlight

Speaker
John Matthew Durham

10:40 AM

11:10 AM

Jet and heavy-flavour: Experimental overview 2

Session | **Location:** Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building | **Convener:** Xuan Li

11:10 – 11:30 Recent ALICE jet study highlight

Speaker
Wenqing Fan

11:30 – 11:50 Recent ALICE quarkonium study highlight

Speaker
Maxime Guilbaud

11:50 – 12:10

Probing jet substructure with 2 -point and projected 3-point energy correlators in pp at ALICE at 13TeV

Speaker
Ananya Rai

12:10 PM

2:00 PM

Jet and heavy-flavour: Experimental overview 3

Session | **Location:** Stony Brook University/Online, CFNS, Peter Paul Seminar Room, C 120 Physics Building | **Convener:** Xiaoxuan Chu

14:00 – 14:20 Recent CMS open heavy flavor highlights

Speaker
Alibordi Muhammad

14:20 – 14:40 Recent STAR heavy flavor and quarkonia study highlight

Speaker
Wei Zhang

14:40 – 15:00 sPHENIX tracking detector highlight and related physics studies

3:20 PM	Speaker Charles Hughes
	15:00 - 15:20 sPHENIX calorimeter highlight and related physics studies Speaker Joe Osborn