

3rd JETSCAPE Winter School and Workshop 2020



Report of Contributions

Contribution ID: 59

Type: **not specified**

Welcome

Presenters: MAJUMDER, Abhijit (Wayne State University); NATTRASS, Christine (University of Tennessee, Knoxville)

Session Classification: JETSCAPE School Day 1

Contribution ID: **60**

Type: **not specified**

Big picture overview I (Theory)

Presenter: FRIES, Rainer (Texas A&M University)

Session Classification: JETSCAPE School Day 1

Contribution ID: **61**

Type: **not specified**

Big picture overview II (Experiment)

Presenter: PEREPELITSA, Dennis (University of Colorado Boulder)

Session Classification: JETSCAPE School Day 1

Contribution ID: **62**

Type: **not specified**

The JETSCAPE Framework

Presenter: MULLIGAN, James (Yale University)

Session Classification: JETSCAPE School Day 1

Contribution ID: **63**

Type: **not specified**

Working Session I: The Framework

Includes working lunch

Session Classification: JETSCAPE School Day 1

Contribution ID: **64**

Type: **not specified**

Fluid dynamics overview

Presenter: SHEN, Chun (Wayne State University)

Session Classification: JETSCAPE School Day 1

Contribution ID: 65

Type: **not specified**

Working Session I: Bulk Dynamics

Session Classification: JETSCAPE School Day 1

Contribution ID: **66**

Type: **not specified**

JETSCAPE Physics (Hard Probes)

Presenter: VUJANOVIC, Gojko (Wayne State University)

Session Classification: JETSCAPE School Day 2

Contribution ID: 67

Type: **not specified**

Working Session III

Session Classification: JETSCAPE School Day 2

Contribution ID: **68**

Type: **not specified**

JETSCAPE Physics (Hard Probes and bulk)

Presenter: TACHIBANA, Yasuki (Wayne State University)

Session Classification: JETSCAPE School Day 2

Contribution ID: **69**

Type: **not specified**

Working Session IV

Includes working lunch

Session Classification: JETSCAPE School Day 2

Contribution ID: 70

Type: **not specified**

Statistical Analysis Bulk

Presenter: PAQUET, Jean-Francois (Duke University)

Session Classification: JETSCAPE School Day 2

Contribution ID: 72

Type: **not specified**

Working Session V

Session Classification: JETSCAPE School Day 2

Contribution ID: 73

Type: **not specified**

Big picture overview VII - GPUs

Presenter: Dr AUSTIN, Harris (ORNL)

Session Classification: JETSCAPE School Day 2

Contribution ID: 74

Type: **not specified**

New directions with SPHENIX

Presenter: ROLAND, Gunther (MIT)

Session Classification: JETSCAPE School Day 2

Contribution ID: 75

Type: **not specified**

Statistical Analysis Jets

Presenter: Ms CHEN, Yi (MIT)

Session Classification: JETSCAPE School Day 3

Contribution ID: 76

Type: **not specified**

Working Session VI

Session Classification: JETSCAPE School Day 3

Contribution ID: 77

Type: **not specified**

Q&A with all Speakers

Session Classification: JETSCAPE School Day 3

Contribution ID: 78

Type: **not specified**

Computing opportunities at ORNL

Wednesday, March 18, 2020 12:45 PM (45 minutes)

Presenter: MESSER, Bronson (Oak Ridge National Laboratory)

Session Classification: JETSCAPE Executive Committee Meeting

Contribution ID: 79

Type: **not specified**

Other Business

Wednesday, March 18, 2020 1:30 PM (45 minutes)

Presenters: MAJUMDER, Abhijit (Wayne State University); GALE, Charles (McGill University)

Session Classification: JETSCAPE Executive Committee Meeting

Contribution ID: **80**

Type: **not specified**

Welcome

Wednesday, March 18, 2020 2:15 PM (10 minutes)

Presenters: MAJUMDER, Abhijit (Wayne State University); NATTRASS, Christine (University of Tennessee, Knoxville)

Session Classification: Workshop Session II

Contribution ID: **81**

Type: **not specified**

Nuclear modification of jet shape for inclusive jets and photon-jets at the LHC

Wednesday, March 18, 2020 2:25 PM (30 minutes)

Presenter: QIN, Guang-You (Central China Normal University)

Session Classification: Workshop Session II

Contribution ID: **82**

Type: **not specified**

Novel tools for measuring jets in heavy-ion collisions

Wednesday, March 18, 2020 2:55 PM (30 minutes)

Presenter: HAVENER, LAURA (Columbia University)

Session Classification: Workshop Session II

Contribution ID: **83**

Type: **not specified**

GPUs

Thursday, March 19, 2020 4:00 PM (40 minutes)

Presenter: HARRIS, Austin (Oak Ridge National Laboratory)

Session Classification: Workshop Session VII

Contribution ID: **84**

Type: **not specified**

Light nuclei production in AA, pA, pp: what can one study with JETSCAPE

Wednesday, March 18, 2020 3:55 PM (30 minutes)

Presenter: OLIINYCHENKO, Dmytro (Lawrence Berkeley National Laboratory)

Session Classification: Workshop Session III

Contribution ID: 85

Type: **not specified**

Jet substructure and hadronization at RHIC and the LHC

Wednesday, March 18, 2020 4:25 PM (30 minutes)

Presenter: OSBORN, Joe (ORNL)

Session Classification: Workshop Session III

Contribution ID: **86**

Type: **not specified**

Rivet

Thursday, March 19, 2020 9:00 AM (35 minutes)

Presenter: LÖNNBLAD, Leif (Lund University (SE))

Session Classification: Workshop Session IV

Contribution ID: 87

Type: **not specified**

Implementation of jet and jet-hadron analyses in Rivet

Thursday, March 19, 2020 9:35 AM (30 minutes)

Presenter: OLIVEIRA DA SILVA, Antonio Carlos (University of Tennessee - Knoxville)

Session Classification: Workshop Session IV

Contribution ID: **88**

Type: **not specified**

Recent jet measurements in ALICE

Presenter: EHLERS, Raymond (Oak Ridge National Lab)

Session Classification: Workshop Session IV

Contribution ID: **89**

Type: **not specified**

Shine Reconstruction chain

Presenter: Mr ADHIKARY, Haradhan (Jan Kochanowski University, Kielce)

Session Classification: Workshop Session V

Contribution ID: **90**

Type: **not specified**

Dijet invariant mass with ALICE

Thursday, March 19, 2020 10:55 AM (15 minutes)

Presenter: Mr SAARIMÄKI, Oskari (Helsinki Institute of Physics (FI))

Session Classification: Workshop Session V

Contribution ID: 91

Type: **not specified**

How and Why to Address the Invisible Problems of Bias in Physics

Thursday, March 19, 2020 11:40 AM (35 minutes)

Presenter: BOHON, Stephanie (University of Tennessee Knoxville)

Session Classification: Workshop Session V

Contribution ID: 92

Type: **not specified**

small systems

Thursday, March 19, 2020 1:00 PM (35 minutes)

Presenter: BELMONT, Ron (University of North Carolina Greensboro)

Session Classification: Workshop Session VI

Contribution ID: 93

Type: **not specified**

Medium response and bulk fluid velocity effect in jet quenching

Thursday, March 19, 2020 1:35 PM (30 minutes)

Presenter: TACHIBANA, Yasuki (Wayne State University)

Session Classification: Workshop Session VI

Contribution ID: 94

Type: **not specified**

An experimentalist view of jet structure studies

Thursday, March 19, 2020 10:05 AM (35 minutes)

Presenter: SALUR, Sevil (Rutgers University)

Session Classification: Workshop Session IV

Contribution ID: 95

Type: **not specified**

TBa

Presenter: NAGLE, James (University of Colorado)

Session Classification: Workshop Session VII

Contribution ID: 96

Type: **not specified**

Separating quark and gluon jet distributions in heavy ions

Thursday, March 19, 2020 3:25 PM (35 minutes)

Presenter: BREWER, Jasmine (Massachusetts Institute of Technology)

Session Classification: Workshop Session VII

Contribution ID: 97

Type: **not specified**

Self-correlations in fluctuation study of heavy ion collisions

Thursday, March 19, 2020 11:10 AM (15 minutes)

Presenter: DE, Aritra

Session Classification: Workshop Session V

Contribution ID: **98**

Type: **not specified**

Lido for inclusive jet analysis

Thursday, March 19, 2020 11:25 AM (15 minutes)

Presenter: FAN, Wenkai

Session Classification: Workshop Session V

Contribution ID: 99

Type: **not specified**

Prompt gamma-jet and di-jet via correlations in Heavy Ion Physics in Large and Small Systems

Friday, March 20, 2020 9:00 AM (35 minutes)

Presenter: FRANTZ, Justin (Ohio University)

Session Classification: Workshop Session VIII

Contribution ID: **100**

Type: **not specified**

Quantifying the QGP

Thursday, March 19, 2020 2:55 PM (30 minutes)

Presenter: EVERETT, Derek (Ohio State)

Session Classification: Workshop Session VII

Contribution ID: **101**

Type: **not specified**

QGP tomography with DREENA framework

Friday, March 20, 2020 10:10 AM (15 minutes)

Presenter: ZIGIC, Dusan (Institute of Physics Belgrade)

Session Classification: Workshop Session VIII

Contribution ID: **102**

Type: **not specified**

Jet and medium evolution in Pb-Pb collisions at the LHC energies from the EPOS initial state

Friday, March 20, 2020 10:25 AM (15 minutes)

Presenter: KARPENKO, Iurii (FNSPE CTU Prague)

Session Classification: Workshop Session VIII

Contribution ID: **103**

Type: **not specified**

Medium Induced Jet Modification Studies via Two Particle Correlations in PHENIX

Presenter: HODGES, Anthony (Georgia State University)

Session Classification: Workshop Session IX

Contribution ID: **104**

Type: **not specified**

Performance Characterization Studies of sPHENIX Hadronic Calorimeter Scintillating Tiles at Georgia State University

Presenter: ALI, Saif

Session Classification: Workshop Session IX

Contribution ID: **105**

Type: **not specified**

TBA

Presenter: KIM, Byunggyu

Session Classification: Workshop Session IX

Contribution ID: **106**

Type: **not specified**

Charged Particle Momentum Resolution of the sPHENIX TPC

Friday, March 20, 2020 11:00 AM (15 minutes)

Presenter: KLEST, Henry (Stony Brook University)

Session Classification: Workshop Session IX

Contribution ID: **107**

Type: **not specified**

Photon-jet correlation in P-P and A-A collisions

Friday, March 20, 2020 11:15 AM (30 minutes)

Presenter: SIRIMANNA, Chaturanga (Wayne State University)

Session Classification: Workshop Session IX

Contribution ID: **108**

Type: **not specified**

Parton energy loss in a hard-soft factorized approach

Friday, March 20, 2020 11:45 AM (30 minutes)

Presenter: DAI, Tianyu

Session Classification: Workshop Session IX

Contribution ID: **109**

Type: **not specified**

Single-particle heavy-flavor observables and correlations as probes of the heavy-quark-medium coupling

Thursday, March 19, 2020 2:05 PM (30 minutes)

Presenter: KE, Weiyao (Duke University)

Session Classification: Workshop Session VI

Contribution ID: **110**

Type: **not specified**

sPHENIX

Friday, March 20, 2020 9:35 AM (35 minutes)

Presenter: ROLAND, Gunther (MIT)

Session Classification: Workshop Session VIII