

Jet Quenching In The Quark-Gluon Plasma

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome of ECT* director and organisers

Monday, 13 June 2022 09:00 (15 minutes)

Contribution ID: 2

Type: **not specified**

Experimental overview on groomed jet splittings

Monday, 13 June 2022 09:15 (45 minutes)

Presenter: Dr VERWEIJ, Marta (Utrecht University)

Session Classification: Morning session 1

Contribution ID: 3

Type: **not specified**

The numerical approach to calculate in-medium emissions

Monday, 13 June 2022 10:00 (30 minutes)

Presenter: Dr ANDRES, Carlota (CPhT, Ecole Polytechnique)

Session Classification: Morning session 1

Contribution ID: 4

Type: **not specified**

Full evaluation of in-medium splittings beyond the soft approximation

Monday, 13 June 2022 11:00 (30 minutes)

Presenter: Dr DOMINGUEZ, Fabio (IGFAE)

Session Classification: Morning session 2

Contribution ID: 5

Type: **not specified**

Effective theory for resummation of medium-induced emissions

Monday, 13 June 2022 11:30 (30 minutes)

Presenter: Mr ISAKSEN, Johannes (University of Bergen)

Session Classification: Morning session 2

Contribution ID: 6

Type: **not specified**

Jet quenching - quo vadis?

Monday, 13 June 2022 12:00 (30 minutes)

Presenter: Dr WIEDEMANN, Urs (CERN)

Session Classification: Morning session 2

Contribution ID: 7

Type: **not specified**

Recent developments in the higher twist formalism

Monday, 13 June 2022 14:30 (30 minutes)

Presenter: SIRIMANNA, Chaturanga (Wayne State University)

Session Classification: Afternoon session

Contribution ID: 8

Type: **not specified**

Non-perturbative contribution to transverse momentum broadening and in-medium splitting in QCD plasma

Monday, 13 June 2022 15:00 (30 minutes)

Presenter: SOUDI, Ismail (Wayne State University)

Session Classification: Afternoon session

Contribution ID: 9

Type: **not specified**

Why we need factorization for jet physics in Heavy Ion collisions

Monday, 13 June 2022 15:30 (30 minutes)

Presenter: VAIDYA, Varun (MIT)

Session Classification: Afternoon session

Contribution ID: **10**

Type: **not specified**

Discussion

Monday, 13 June 2022 16:00 (1 hour)

Presenter: LEE, Yen-Jie (MIT)

Contribution ID: 11

Type: **not specified**

Exploring jet quenching in LHC Run 3 and beyond

Friday, 17 June 2022 09:00 (30 minutes)

Presenter: Dr VAN LEEUWEN, Marco (Nikhef)

Session Classification: Morning session 1

Contribution ID: 12

Type: **not specified**

The future jet quenching program at RHIC

Friday, 17 June 2022 09:30 (30 minutes)

Presenter: Prof. ROLAND, Gunther (MIT)

Session Classification: Morning session 1

Contribution ID: 13

Type: **not specified**

Jet quenching and the first fermi/c

Friday, 17 June 2022 10:00 (30 minutes)

Presenter: ARMESTO, Nestor (Universidade de Santiago de Compostela)

Session Classification: Morning session 1

Contribution ID: 14

Type: **not specified**

Bayesian inference with JETSCAPE

Friday, 17 June 2022 11:00 (30 minutes)

Presenter: Dr CHEN, Yi (MIT)

Session Classification: Morning session 2

Contribution ID: 15

Type: **not specified**

Hard probe path lengths and event-shape engineering of the quark-gluon plasma

Friday, 17 June 2022 11:30 (30 minutes)

Presenter: NIJS, Govert (MIT)

Session Classification: Morning session 2

Contribution ID: 16

Type: **not specified**

Quantum simulation of jet quenching

Friday, 17 June 2022 12:00 (30 minutes)

Presenter: Dr QIAN, Wenyang (Iowa State University)

Session Classification: Morning session 2

Contribution ID: 17

Type: **not specified**

Transport of hard probes through glasma

Friday, 17 June 2022 14:30 (30 minutes)

Presenter: Dr CZAJKA, Alina (National Centre for Nuclear Research)

Session Classification: Afternoon session

Contribution ID: **18**

Type: **not specified**

Jet-medium interaction during the early glasma stage of heavy-ion collisions

Friday, 17 June 2022 15:00 (30 minutes)

Presenter: Dr HAUKSSON, Sigtryggur (IPhT, Saclay)

Session Classification: Afternoon session

Contribution ID: 19

Type: **not specified**

Jet physics at the EIC

Friday, 17 June 2022 15:30 (30 minutes)

Presenter: KANG, Zhongbo (University of California Los Angeles)

Session Classification: Afternoon session

Contribution ID: 20

Type: **not specified**

Discussion

Friday, 17 June 2022 16:00 (1 hour)

Presenters: MULLIGAN, James (UC Berkeley); TYWONIUK | UNIVERSITY OF BERGEN, BERGEN/N, Konrad (University of Bergen, Bergen/N); LEE | MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE/US, Yen-Jie (Massachusetts Institute of Technology, Cambridge/US)

Contribution ID: 21

Type: **not specified**

Studying the jet core with substructure

Thursday, 16 June 2022 09:00 (30 minutes)

Presenter: Dr HAVENER, Laura (Yale University)

Session Classification: Morning session 1

Contribution ID: 22

Type: **not specified**

Future ideas for jet substructure measurements

Thursday, 16 June 2022 09:30 (30 minutes)

Presenter: Dr EHLERS, Raymond (LBNL)

Session Classification: Morning session 1

Contribution ID: 23

Type: **not specified**

Machine learning approaches to jet quenching

Thursday, 16 June 2022 10:00 (30 minutes)

Presenter: Mr PLOSKON, Mateusz (Lawrence Berkeley National Laboratory)

Session Classification: Morning session 1

Contribution ID: 24

Type: **not specified**

Time reclusterings for jet quenching

Thursday, 16 June 2022 11:00 (30 minutes)

Presenter: Dr APOLINÁRIO, Líliliana (LIP - Laboratory of Instrumentation and Experimental Particle Physics)

Session Classification: Morning session 2

Contribution ID: 25

Type: **not specified**

Dynamical grooming in heavy-ion collisions

Thursday, 16 June 2022 11:30 (30 minutes)

Presenter: Mr TAKACS, Adam (University of Bergen)

Session Classification: Morning session 2

Contribution ID: 26

Type: **not specified**

Jet quenching in small systems

Thursday, 16 June 2022 12:00 (30 minutes)

Presenter: Dr KRIZEK, Filip (Nuclear Physics Institute of the Czech Academy of Sciences)

Session Classification: Morning session 2

Contribution ID: 27

Type: **not specified**

Acoplanarity: new angles on an old idea

Thursday, 16 June 2022 14:30 (30 minutes)

Presenter: Dr JACOBS, Peter (Lawrence Berkeley National Laboratory)

Session Classification: Afternoon session

Contribution ID: 28

Type: **not specified**

Jet Observables, Jet Selection, Jet Modification, and Quasiparticles in QGP

Thursday, 16 June 2022 15:00 (30 minutes)

Presenter: RAJAGOPAL, Krishna (MIT)

Session Classification: Afternoon session

Contribution ID: 29

Type: **not specified**

Quantum induced anomalous diffusion in QCD media

Thursday, 16 June 2022 15:30 (30 minutes)

Presenter: Dr MEHTAR-TANI, Yacine (BNL)

Session Classification: Afternoon session

Contribution ID: **30**

Type: **not specified**

Discussion

Thursday, 16 June 2022 16:30 (1 hour)

Presenter: TYWONIUK, Konrad (University of Bergen)

Contribution ID: **31**

Type: **not specified**

Experimental overview of medium response sensitive observables

Wednesday, 15 June 2022 09:00 (30 minutes)

Presenter: Dr CRUZ-TORRES, Reynier (Lawrence Berkeley National Lab)

Session Classification: Morning session 1

Contribution ID: 32

Type: **not specified**

Medium response to jets in JETSCAPE

Wednesday, 15 June 2022 09:30 (30 minutes)

Presenter: Dr TACHIBANA, Yasuki (Akita International University)

Session Classification: Morning session 1

Contribution ID: 33

Type: **not specified**

Medium response in AMPT

Wednesday, 15 June 2022 11:00 (30 minutes)

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

Session Classification: Morning session 2

Contribution ID: 34

Type: **not specified**

Jet quenching in evolving QCD matter

Wednesday, 15 June 2022 11:30 (30 minutes)

Presenter: Dr SADOFYEV, Andrey (IGFAE, USC)

Session Classification: Morning session 2

Contribution ID: 35

Type: **not specified**

Jet evolution in inhomogeneous media

Wednesday, 15 June 2022 12:00 (30 minutes)

Presenter: Mr BARATA, Joao (Brookhaven National Lab)

Session Classification: Morning session 2

Contribution ID: 36

Type: **not specified**

Extending the kinematics of jet measurements

Wednesday, 15 June 2022 14:30 (30 minutes)

Presenter: MGINN, Christopher (University Colorado Boulder)

Session Classification: Afternoon session

Contribution ID: 37

Type: **not specified**

Cone-size dependence of jet suppression in heavy-ion collisions

Wednesday, 15 June 2022 15:00 (30 minutes)

Presenter: Dr PABLOS, Daniel (INFN Torino)

Session Classification: Afternoon session

Contribution ID: **38**

Type: **not specified**

Jet quenching measurements with electroweak boson topologies

Wednesday, 15 June 2022 15:30 (30 minutes)

Presenter: TAPIA, Sebastian (Iowa State University)

Session Classification: Afternoon session

Contribution ID: 39

Type: **not specified**

Discussion

Wednesday, 15 June 2022 16:30 (1 hour)

Presenters: PABLOS, Daniel (INFN Torino); CAO, Shanshan (Shandong University)

Contribution ID: 40

Type: **not specified**

The pathlength dependence of jet quenching

Presenter: Prof. SICKLES, Anne (University of Illinois)

Session Classification: Morning session 1

Contribution ID: 41

Type: **not specified**

Jet quenching with heavy-flavor tagged jets

Contribution ID: 42

Type: **not specified**

The Saclay approach to jet quenching

Tuesday, 14 June 2022 11:00 (30 minutes)

Presenter: Dr CAUCAL, Paul (Brookhaven National Laboratory)

Session Classification: Morning session 2

Contribution ID: 43

Type: **not specified**

Forward quark jet-nucleus scattering in a light-front approach

Tuesday, 14 June 2022 11:30 (30 minutes)

Presenter: Dr LI, Meijian (University of Santiago de Compostella)

Session Classification: Morning session 2

Contribution ID: 44

Type: **not specified**

ebe-DREENA framework as a multipurpose QGP tomography tool

Tuesday, 14 June 2022 12:00 (30 minutes)

Presenter: Mr ZIGIC, Dusan (Institute of Physics Belgrade)

Session Classification: Morning session 2

Contribution ID: 45

Type: **not specified**

Jet thermalization

Tuesday, 14 June 2022 14:30 (30 minutes)

Presenter: SCHLICHTING, Soeren (Universität Bielefeld)

Session Classification: Afternoon session

Contribution ID: 46

Type: **not specified**

JETSCAPE and the multistage approach to energy loss

Tuesday, 14 June 2022 15:00 (30 minutes)

Presenter: MAJUMDER, Abhijit (Wayne State University)

Session Classification: Afternoon session

Contribution ID: 47

Type: **not specified**

The LIDO partonic transport model of jet quenching

Tuesday, 14 June 2022 15:30 (30 minutes)

Presenter: KE, Weiyao (Los Alamos National Laboratory)

Session Classification: Afternoon session

Contribution ID: 48

Type: **not specified**

Discussion

Tuesday, 14 June 2022 16:00 (1 hour)

Presenter: MULLIGAN, James (UC Berkeley)

Contribution ID: 49

Type: **not specified**

Better parton showers for hadronic collisions

Tuesday, 14 June 2022 09:30 (30 minutes)

Presenter: Dr SOTO ONTOSO, Alba (Institut de Physique Théorique)

Session Classification: Morning session 1

Contribution ID: 50

Type: **not specified**

Exploring jet quenching in an expanding medium

Tuesday, 14 June 2022 09:00 (30 minutes)

Presenter: Dr ADHYA, Souvik (IFJ-PAN)

Session Classification: Morning session 1

Contribution ID: 51

Type: **not specified**

Jet quenching and medium response in the LBT model

Wednesday, 15 June 2022 10:00 (30 minutes)

Presenter: Dr WANG, Xin-Nian (Lawrence Berkeley National Laboratory)

Session Classification: Morning session 1

Contribution ID: 52

Type: **not specified**

Experimental results on intra-jet softening and large-angle energy flow

Wednesday, 15 June 2022 16:00 (30 minutes)

Presenter: Dr RYBAR, Martin (Charles University)

Session Classification: Afternoon session

Contribution ID: 53

Type: **not specified**

The pathlength dependence of jet quenching

Thursday, 16 June 2022 16:00 (30 minutes)

Presenter: Prof. SICKLES, Anne (University of Illinois)

Session Classification: Afternoon session