

Midsummer School in QCD 2024



Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction to QCD I

Tuesday 25 June 2024 09:10 (1 hour)

Presenter: HOYER, Paul

Contribution ID: 2

Type: **not specified**

The Color Glass Condensate I

Tuesday 2 July 2024 13:30 (1 hour)

Presenter: IANCU, Edmond (Université Paris-Saclay (FR))

Contribution ID: 3

Type: **not specified**

Welcome

Tuesday 25 June 2024 09:00 (10 minutes)

Presenter: KIRSCHENMANN, Henning (Helsinki Institute of Physics (FI))

Contribution ID: 4

Type: **not specified**

High-energy resummation and Diffraction I

Monday 1 July 2024 10:00 (1 hour)

Presenter: Dr CELIBERTO, Francesco Giovanni (ECT*/FBK Trento & INFN-TIFPA)

Contribution ID: 5

Type: **not specified**

BFKL and low x physics I

Tuesday 25 June 2024 13:30 (1 hour)

Presenters: Dr CHACHAMIS, Grigorios (LIP Lisbon); Dr CHACHAMIS, Grigorios (LIP, Lisbon)

Contribution ID: 6

Type: **not specified**

QCD and PDF I

Presenter: Dr HARLAND-LANG, Lucian (University of Oxford)

Contribution ID: 7

Type: **not specified**

Hadronic physics, jets I

Tuesday 25 June 2024 14:30 (1 hour)

Presenter: SOTO ONTOSO, Alba (CERN)

Contribution ID: **8**

Type: **not specified**

Forward Physics I

Tuesday 25 June 2024 16:00 (1 hour)

Presenter: NEWMAN, Paul Richard (University of Birmingham (GB))

Contribution ID: 9

Type: **not specified**

Student talk

Contribution ID: **10**

Type: **not specified**

Introduction to QCD II

Wednesday 26 June 2024 09:00 (1 hour)

Presenter: HOYER, Paul

Contribution ID: 11

Type: **not specified**

The Color Glass Condensate II

Wednesday 3 July 2024 11:30 (1 hour)

Presenter: IANCU, Edmond (Université Paris-Saclay (FR))

Contribution ID: 12

Type: **not specified**

High-energy resummation and Diffraction II

Tuesday 2 July 2024 11:30 (1 hour)

Presenter: Dr CELIBERTO, Francesco Giovanni (ECT*/FBK Trento & INFN-TIFPA)

Contribution ID: 13

Type: **not specified**

BFKL and low x physics II

Wednesday 26 June 2024 13:30 (1 hour)

Presenter: Dr CHACHAMIS, Grigorios (LIP, Lisbon)

Contribution ID: 14

Type: **not specified**

QCD and PDF II

Presenter: Dr HARLAND-LANG, Lucian (University of Oxford)

Contribution ID: 15

Type: **not specified**

Hadronic physics, jets II

Wednesday 26 June 2024 14:30 (1 hour)

Presenter: SOTO ONTOSO, Alba (CERN)

Contribution ID: **16**

Type: **not specified**

Forward Physics II

Wednesday 26 June 2024 16:00 (1 hour)

Presenter: NEWMAN, Paul Richard (University of Birmingham (GB))

Contribution ID: 17

Type: **not specified**

Student talk: Light quark and gluon jet tagging at the CMS experiment

Wednesday 26 June 2024 17:00 (20 minutes)

Presenter: TOIKKA, Nico Timothy (Helsinki Institute of Physics (FI))

Contribution ID: **18**

Type: **not specified**

Introduction to QCD III

Thursday 27 June 2024 17:00 (1 hour)

Presenters: HOYER, Paul; HOYER, Peter (University of Calgary)

Contribution ID: 19

Type: **not specified**

The Color Glass Condensate III

Thursday 4 July 2024 11:30 (1 hour)

Presenter: IANCU, Edmond (Université Paris-Saclay (FR))

Contribution ID: 20

Type: **not specified**

High-energy resummation and Diffraction III

Wednesday 3 July 2024 09:00 (1 hour)

Presenter: Dr CELIBERTO, Francesco Giovanni (ECT*/FBK Trento & INFN-TIFPA)

Contribution ID: 21

Type: **not specified**

BFKL and low x physics III

Thursday 27 June 2024 13:30 (1 hour)

Presenter: Dr CHACHAMIS, Grigorios (LIP, Lisbon)

Contribution ID: 22

Type: **not specified**

QCD and PDF III

Friday 28 June 2024 16:00 (1 hour)

Presenters: GUZEY, Vadim (University of Jyvaskyla); GUZEY, Vadim

Contribution ID: 23

Type: **not specified**

Hadronic physics, jets III

Thursday 27 June 2024 11:30 (1 hour)

Presenter: SOTO ONTOSO, Alba (CERN)

Contribution ID: 24

Type: **not specified**

Forward Physics III

Thursday 27 June 2024 09:00 (1 hour)

Presenter: NEWMAN, Paul Richard (University of Birmingham (GB))

Contribution ID: 25

Type: **not specified**

Student talk: Vector meson photoproduction at the LHC

Thursday 4 July 2024 16:00 (20 minutes)

Presenter: ALCERRO ALCERRO, Luis (The University of Kansas (US))

Contribution ID: 26

Type: **not specified**

Introduction to QCD IV

Presenter: HOYER, Paul

Contribution ID: 27

Type: **not specified**

The Color Glass Condensate IV

Friday 5 July 2024 11:30 (1 hour)

Presenter: IANCU, Edmond (Université Paris-Saclay (FR))

Contribution ID: 28

Type: **not specified**

High-energy resummation and Diffraction IV

Thursday 4 July 2024 09:00 (1 hour)

Presenter: Dr CELIBERTO, Francesco Giovanni (ECT*/FBK Trento & INFN-TIFPA)

Contribution ID: 29

Type: **not specified**

BFKL and low x physics IV

Saturday 29 June 2024 16:00 (1 hour)

Presenter: Dr CHACHAMIS, Grigorios (LIP, Lisbon)

Contribution ID: **30**

Type: **not specified**

High Energy Soft QCD and Diffraction II

Friday 28 June 2024 14:30 (1 hour)

Presenter: KHOZE, Valery (University of Durham (GB))

Contribution ID: **31**

Type: **not specified**

Coffee break

Contribution ID: **32**

Type: **not specified**

Hadronic physics IV

Presenter: KLASSEN, Michael

Contribution ID: 33

Type: **not specified**

High Energy Soft QCD and Diffraction I

Thursday 27 June 2024 14:30 (1 hour)

Presenter: KHOZE, Valery (University of Durham (GB))

Contribution ID: 34

Type: **not specified**

Student talk: HWW ggF+VBF STXS Run2 legacy analysis

Friday 28 June 2024 17:00 (20 minutes)

Presenter: SHAHEEN, Rabia (KTH Royal Institute of Technology (SE))

Contribution ID: 35

Type: **not specified**

High Energy Soft QCD and Diffraction III

Saturday 29 June 2024 09:00 (1 hour)

Presenter: KHOZE, Valery (University of Durham (GB))

Contribution ID: **36**

Type: **not specified**

Physics at the EIC I

Tuesday 2 July 2024 09:00 (1 hour)

Presenters: ULLRICH, Thomas; ULLRICH, Thomas

Contribution ID: 37

Type: **not specified**

Pythia II

Friday 28 June 2024 10:00 (1 hour)

Presenters: Dr HELENIUS, Ilkka (University of Jyväskylä); HELENIUS, Ilkka (Helsinki Institute of Physics (HIP)-Univ. of Helsinki, Fac. of S)

Contribution ID: **38**

Type: **not specified**

Photon photon physics at the LHC

Saturday 29 June 2024 13:30 (1 hour)

Presenter: ROYON, Christophe (The University of Kansas (US))

Contribution ID: 39

Type: **not specified**

Monte Carlo, Sherpa, etc II

Wednesday 3 July 2024 13:30 (1 hour)

Presenters: PRICE, Alan; PRICE, Alan

Contribution ID: 40

Type: **not specified**

Machine learning I

Monday 1 July 2024 13:30 (1 hour)

Presenter: AARRESTAD, Thea (ETH Zurich (CH))

Contribution ID: 41

Type: **not specified**

TOTEM results and prospects

Saturday 29 June 2024 17:00 (1 hour)

Presenters: ROYON, Christophe (The University of Kansas (US)); OSTERBERG, Kenneth (Helsinki Institute of Physics (FI)); OSTERBERG, Kenneth (University of Helsinki)

Contribution ID: 42

Type: **not specified**

Student talk: Heavy ions at small-x at CMS

Saturday 29 June 2024 18:00 (20 minutes)

Presenter: ARTEAGA ESCATEL, Saray (The University of Kansas (US))

Contribution ID: 43

Type: **not specified**

High Energy Soft QCD and Diffraction IV

Monday 1 July 2024 09:00 (1 hour)

Presenter: KHOZE, Valery (University of Durham (GB))

Contribution ID: 44

Type: **not specified**

Physics at the EIC II

Wednesday 3 July 2024 14:30 (1 hour)

Presenters: ULLRICH, Thomas; ULLRICH, Thomas

Contribution ID: 45

Type: **not specified**

Pythia III

Saturday 29 June 2024 10:00 (1 hour)

Presenters: Dr HELENIUS, Ilkka (University of Jyväskylä); HELENIUS, Ilkka (Helsinki Institute of Physics (HIP)-Univ. of Helsinki, Fac. of S)

Contribution ID: 46

Type: **not specified**

Jet energy scale

Friday 28 June 2024 09:00 (1 hour)

Presenter: VOUTILAINEN, Mikko (Helsinki Institute of Physics (FI))

Contribution ID: 47

Type: **not specified**

Monte Carlo, Sherpa, etc III

Friday 5 July 2024 14:30 (1 hour)

Presenters: PRICE, Alan; PRICE, Alan

Contribution ID: 48

Type: **not specified**

Machine learning II

Tuesday 2 July 2024 16:00 (1 hour)

Presenter: AARRESTAD, Thea (ETH Zurich (CH))

Contribution ID: 49

Type: **not specified**

Saturation I

Presenter: LAPPI, Tuomas

Contribution ID: 50

Type: **not specified**

Student talk: Interference of Vector Mesons in Peripheral and Ultra-Peripheral Heavy Ion Collisions at STAR

Monday 1 July 2024 16:20 (20 minutes)

Presenter: TORRES VALLADARES, Daniel (STAR Experiment)

Contribution ID: 51

Type: **not specified**

Herwig I

Presenter: MASOUMINIA, Aidin (Durham University)

Contribution ID: 52

Type: **not specified**

Physics at the EIC III

Thursday 4 July 2024 13:30 (1 hour)

Presenters: ULLRICH, Thomas; ULLRICH, Thomas

Contribution ID: 53

Type: **not specified**

QCD and PDFs I

Tuesday 25 June 2024 11:30 (1 hour)

Presenters: GUZEY, Vadim; GUZEY, Vadim (NRC Kurchatov Institute PNPI (RU))

Contribution ID: 54

Type: **not specified**

Saturation

Thursday 27 June 2024 18:00 (1 hour)

Presenter: LAPPI, Tuomas

Contribution ID: 55

Type: **not specified**

Cosmic ray I

Tuesday 2 July 2024 14:30 (1 hour)

Presenter: Dr PIEROG, Tanguy

Contribution ID: 56

Type: **not specified**

Machine Learning with CMS open data

Tuesday 2 July 2024 17:00 (2 hours)

Presenters: LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI)); AARRESTAD, Thea (ETH Zurich (CH))

Contribution ID: 57

Type: **not specified**

Student talk

Contribution ID: 58

Type: **not specified**

Monte Carlo, Sherpa, etc I

Tuesday 2 July 2024 10:00 (1 hour)

Presenters: PRICE, Alan; PRICE, Alan

Contribution ID: 59

Type: **not specified**

Physics at the EIC IV

Friday 5 July 2024 13:30 (1 hour)

Presenters: ULLRICH, Thomas; ULLRICH, Thomas

Contribution ID: **60**

Type: **not specified**

QCD and PDFs II

Wednesday 26 June 2024 11:30 (1 hour)

Presenters: GUZEY, Vadim; GUZEY, Vadim (NRC Kurchatov Institute PNPI (RU))

Contribution ID: **61**

Type: **not specified**

Hands on

Presenter: LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))

Contribution ID: **62**

Type: **not specified**

Cosmic ray II

Wednesday 3 July 2024 10:00 (1 hour)

Presenter: Dr PIEROG, Tanguy

Contribution ID: **63**

Type: **not specified**

Saturation I

Tuesday 25 June 2024 10:10 (1 hour)

Presenter: VENUGOPALAN, Raju

Contribution ID: **64**

Type: **not specified**

Student talk: slot 1

Contribution ID: 65

Type: **not specified**

Cosmic ray III

Thursday 4 July 2024 10:00 (1 hour)

Presenter: Dr PIEROG, Tanguy

Contribution ID: **66**

Type: **not specified**

CGC: vector mesons and diffraction II

Saturday 29 June 2024 14:30 (1 hour)

Presenters: PENTTALA, Jani (UCLA); PENTTALA, Jani

Contribution ID: 67

Type: **not specified**

Saturation II

Wednesday 26 June 2024 10:00 (1 hour)

Presenter: VENUGOPALAN, Raju

Contribution ID: **68**

Type: **not specified**

Hands on: Sherpa

Thursday 4 July 2024 14:30 (1 hour)

Presenters: PRICE, Alan; LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))

Contribution ID: **69**

Type: **not specified**

Free slot

Contribution ID: 70

Type: **not specified**

Hands on - Machine Learning with CMS open data

Monday 1 July 2024 17:00 (1h 20m)

Presenter: AARRESTAD, Thea (ETH Zurich (CH))

Contribution ID: 71

Type: **not specified**

Student talk

Contribution ID: 72

Type: **not specified**

Cosmic ray IV

Friday 5 July 2024 10:00 (1 hour)

Presenter: Dr PIEROG, Tanguy

Contribution ID: 73

Type: **not specified**

CGC: vector mesons and diffraction I

Friday 28 June 2024 13:30 (1 hour)

Presenters: PENTTALA, Jani (UCLA); PENTTALA, Jani

Contribution ID: 74

Type: **not specified**

Saturation III

Thursday 27 June 2024 10:00 (1 hour)

Presenter: VENUGOPALAN, Raju

Contribution ID: 75

Type: **not specified**

Hands on: Share your docker image

Presenter: LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))

Contribution ID: 76

Type: **not specified**

Hands on: store and share your code in a docker container

Thursday 4 July 2024 16:20 (2h 10m)

Presenter: LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))

Contribution ID: 77

Type: **not specified**

Student talk

Contribution ID: 78

Type: **not specified**

Hands-on sessions: introduction and docker

Tuesday 25 June 2024 17:00 (1 hour)

Contribution ID: 79

Type: **not specified**

Hands-on session: Git clinic

Wednesday 26 June 2024 17:40 (1 hour)

Presenter: LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))

Contribution ID: **80**

Type: **not specified**

Pythia I

Thursday 27 June 2024 16:00 (1 hour)

Presenters: Dr HELENIUS, Ilkka (University of Jyväskylä); HELENIUS, Ilkka (Helsinki Institute of Physics (HIP)-Univ. of Helsinki, Fac. of S)

Contribution ID: **81**

Type: **not specified**

Hands-on

Contribution ID: 82

Type: **not specified**

Hands-on: Share your docker image & discussion and feedback about the hand-on sessions

Friday 5 July 2024 16:00 (2h 30m)

Contribution ID: **83**

Type: **not specified**

Hands-on: store and share your code in a Git repository

Friday 28 June 2024 11:30 (1 hour)

Presenter: LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))

Contribution ID: **84**

Type: **not specified**

Hands-on - Exploring CMS open data

Saturday 29 June 2024 11:30 (1 hour)

Presenter: LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))

Contribution ID: 85

Type: **not specified**

Hands on - Getting ready for the ML tutorial

Monday 1 July 2024 11:30 (1 hour)

Presenter: LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))

Contribution ID: **86**

Type: **not specified**

Machine learning III

Wednesday 3 July 2024 16:00 (1 hour)

Presenter: AARRESTAD, Thea (ETH Zurich (CH))

Contribution ID: 87

Type: **not specified**

Heavy ion physics at RHIC and the LHC

Monday 1 July 2024 14:30 (1 hour)

Presenters: CAINES, Helen (Yale University (US)); CAINES, Helen (School of Physics and Astronomy)

Contribution ID: **88**

Type: **not specified**

HIPscape demonstration

Friday 28 June 2024 19:30 (2h 30m)

Contribution ID: **89**

Type: **not specified**

Student talk: An overview of diffractive Photon+Jet Production at the ATLAS detector

Wednesday 26 June 2024 17:20 (20 minutes)

Presenter: ARBIOL VAL, Sergio Javier (Polish Academy of Sciences (PL))

Contribution ID: **90**

Type: **not specified**

Student talk: Exploring phase space with veto algorithm

Presenter: REDOUANE SALAH, Essma (University of M'sila Algeria)

Contribution ID: 91

Type: **not specified**

student talk: Inclusive J/ψ production in forward proton-proton and proton-lead collisions at high energy

Monday 1 July 2024 16:40 (20 minutes)

Presenter: GIMENO ESTIVILL, Patricia (University of Jyväskylä)

Contribution ID: 92

Type: **not specified**

Student talk: Initial stage jet momentum broadening and energy loss in tBLFQ formalism

Saturday 29 June 2024 18:20 (20 minutes)

Presenters: LAMAS, Carlos (IGFAE-USC); LAMAS RODRÍGUEZ, Carlos (IGFAE-USC)

Contribution ID: 93

Type: **not specified**

Student talk: Diffraction and elastic proton-proton scattering with TOTEM at the LHC

Wednesday 3 July 2024 17:00 (20 minutes)

Presenters: Dr OLJEMARK, Fredrik (Helsinki Institute of Physics (FI)); OLJEMARK, Fredrik (Helsinki Institute of Physics (FI))

Contribution ID: 94

Type: **not specified**

Student talk: slot 2

Contribution ID: 95

Type: **not specified**

Student talk: The (3+1)D dilute G₂

Saturday 29 June 2024 18:40 (20 minutes)

Presenter: SCHMIDT, Kayran

Contribution ID: **96**

Type: **not specified**

Discussion with lecturers

Thursday 27 June 2024 20:00 (1 hour)

Contribution ID: 97

Type: **not specified**

Discussion with lecturers

Tuesday 2 July 2024 20:00 (1 hour)

Contribution ID: **98**

Type: **not specified**

Discussion with lecturers

Contribution ID: 99

Type: **not specified**

Discussion with lecturers

Contribution ID: **100**

Type: **not specified**

Sauna, hiking...