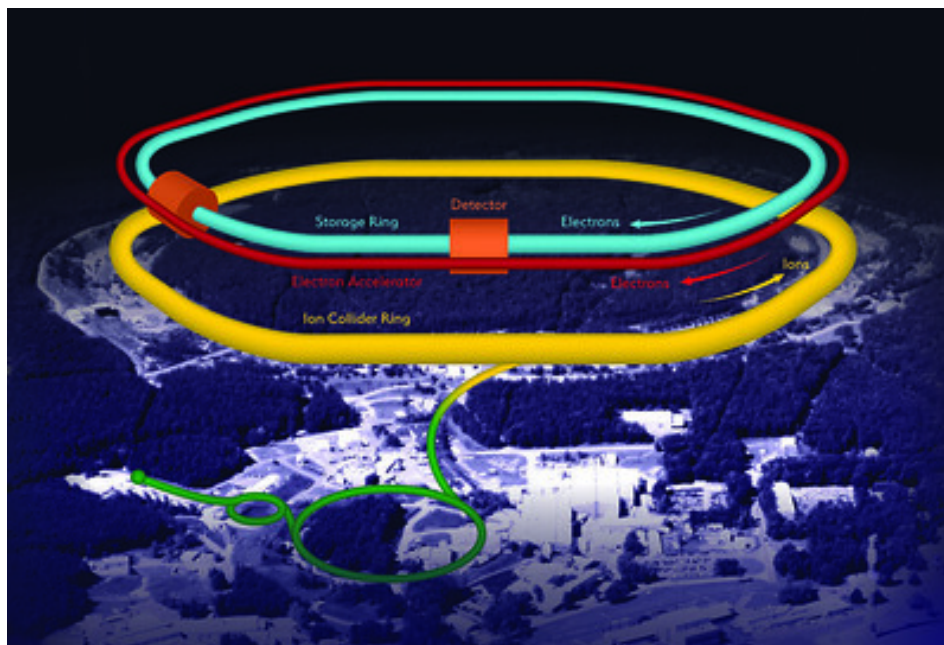


The 2022 CFNS Summer School on the Physics of the Electron-Ion Collider, July 11-22, 2022



Report of Contributions

Contribution ID: 41

Type: **not specified**

Theory lecture: 3D Structure I

Monday, 11 July 2022 08:30 (1h 10m)

Presenter: PASQUINI, Barbara (University of Pavia and INFN, Pavia)

Contribution ID: 42

Type: **not specified**

Theory lecture: 3D Structure II

Monday, 11 July 2022 09:55 (1h 10m)

Presenter: PASQUINI, Barbara (University of Pavia and INFN, Pavia)

Contribution ID: 43

Type: **not specified**

Theory lecture: Lattice I

Monday, 11 July 2022 11:20 (1h 10m)

Presenter: MONAHAN, Christopher (College of William and Mary)

Contribution ID: 44

Type: **not specified**

Theory lecture: Lattice II

Monday, 11 July 2022 14:00 (1h 10m)

Presenter: MONAHAN, Christopher (College of William and Mary)

Contribution ID: 45

Type: **not specified**

Theory lecture: Lattice III

Tuesday, 12 July 2022 08:30 (1h 10m)

Presenter: MONAHAN, Christopher (College of William and Mary)

Contribution ID: 46

Type: **not specified**

Theory lecture: 3D Structure III

Tuesday, 12 July 2022 09:55 (1h 10m)

Presenter: PASQUINI, Barbara (University of Pavia and INFN, Pavia)

Contribution ID: 47

Type: **not specified**

Experiment lecture: Introduction to the EIC II

Tuesday, 12 July 2022 14:00 (1h 10m)

Presenter: DESHPANDE, Abhay (Stony Brook University)

Contribution ID: 48

Type: **not specified**

Experiment lecture: Particle Detection, Detector Technologies, and Research & Development

Wednesday, 13 July 2022 14:00 (1h 10m)

Presenter: Dr THOMAS, Ullrich (BNL)

Contribution ID: 49

Type: **not specified**

Experiment lecture: Introduction to the EIC I

Tuesday, 12 July 2022 11:20 (1h 10m)

Presenter: DESHPANDE, Abhay (Stony Brook University)

Contribution ID: 50

Type: **not specified**

Theory lecture: Effective Field Theories of QCD I

Wednesday, 13 July 2022 08:30 (1h 10m)

Presenter: MEHEN, Tom

Contribution ID: 51

Type: **not specified**

Theory lecture: Effective Field Theories of QCD II

Thursday, 14 July 2022 08:30 (1h 10m)

Presenter: MEHEN, Tom

Contribution ID: 52

Type: **not specified**

Computing lecture: EIC Software I

Wednesday, 13 July 2022 09:55 (1h 10m)

Presenters: DIEFENTHALER, Markus (Jefferson Lab); JOOSTEN, Sylvester (Argonne National Laboratory)

Contribution ID: 53

Type: **not specified**

Computing lecture: EIC Software II

Wednesday, 13 July 2022 11:20 (1h 10m)

Presenters: DIEFENTHALER, Markus (Jefferson Lab); JOOSTEN, Sylvester (Argonne National Laboratory)

Contribution ID: 54

Type: **not specified**

Theory lecture: Effective Field Theories of QCD III

Thursday, 14 July 2022 09:55 (1h 10m)

Presenter: MEHEN, Tom

Contribution ID: 55

Type: **not specified**

Computing lecture: Computing Models and Offline Software I

Thursday, 14 July 2022 11:20 (1h 10m)

Presenter: SEXTON KENNEDY, Liz

Contribution ID: 56

Type: **not specified**

Computing lecture: EIC Software II

Tuesday, 19 July 2022 14:00 (1h 10m)

Presenters: DIEFENTHALER, Markus (Jefferson Lab); JOOSTEN, Sylvester (Argonne National Laboratory)

Contribution ID: 57

Type: **not specified**

Theory lecture: Heavy Ion and EIC I

Friday, 15 July 2022 09:55 (1h 10m)

Presenter: Dr SCHENKE, Bjoern (BNL)

Contribution ID: 58

Type: **not specified**

Computing lecture: Computing Models and Offline Software II

Friday, 15 July 2022 08:30 (1h 10m)

Presenter: SEXTON KENNEDY, Liz

Contribution ID: 59

Type: **not specified**

Experiment lecture: PID at the EIC I

Friday, 15 July 2022 14:00 (1h 10m)

Presenter: DEHMELT, Klaus (Stony Brook University)

Contribution ID: **60**

Type: **not specified**

Experiment lecture: Introduction to the detector technologies for the EIC

Friday, 15 July 2022 11:20 (1h 10m)

Presenter: DEHMELT, Klaus (Stony Brook University)

Contribution ID: **61**

Type: **not specified**

Experiment lecture: Polarimetry I

Monday, 18 July 2022 08:30 (1h 10m)

Presenter: EYSER, Oleg (BNL)

Contribution ID: **62**

Type: **not specified**

Theory lecture: Heavy Ion and EIC II

Monday, 18 July 2022 09:55 (1h 10m)

Presenter: SCHENKE, Bjoern (BNL)

Contribution ID: **63**

Type: **not specified**

Experiment lecture: Polarimetry II

Monday, 18 July 2022 14:00 (1h 10m)

Presenter: EYSER, Oleg (BNL)

Contribution ID: **64**

Type: **not specified**

Theory lecture: Heavy Ion and EIC III

Monday, 18 July 2022 11:20 (1h 10m)

Presenter: SCHENKE, Bjoern (BNL)

Contribution ID: 65

Type: **not specified**

Experiment lecture: Polarimetry III

Tuesday, 19 July 2022 08:30 (1h 10m)

Presenter: EYSER, Oleg (BNL)

Contribution ID: **66**

Type: **not specified**

Experiment lecture: PID at the EIC II

Presenters: DEHMELT, Klaus (Stony Brook University); DEHMELT, Klaus (Stony Brook University)

Contribution ID: 67

Type: **not specified**

Theory lecture: Collinear QCD and ML I

Tuesday, 19 July 2022 09:55 (1h 10m)

Presenter: ABDUL KHALEK, Rabah

Contribution ID: **68**

Type: **not specified**

Theory lecture: Collinear QCD and ML I

Tuesday, 19 July 2022 11:20 (1h 10m)

Presenter: ABDUL KHALEK, Rabah

Contribution ID: **69**

Type: **not specified**

Theory lecture: Collinear QCD and ML III

Wednesday, 20 July 2022 08:30 (1h 10m)

Presenter: ABDUL KHALEK, Rabah

Contribution ID: 70

Type: **not specified**

Computing lecture: High Performance Computing I

Wednesday, 20 July 2022 09:55 (1h 10m)

Presenter: JOO, Balint

Contribution ID: 71

Type: **not specified**

Computing lecture: High Performance Computing II

Wednesday, 20 July 2022 11:20 (1h 10m)

Presenter: JOO, Balint

Contribution ID: 72

Type: **not specified**

Experiment lecture: Forward Physics and Detector I

Wednesday, 20 July 2022 14:00 (1h 10m)

Presenter: JENTSCH, Alexander (Brookhaven National Laboratory)

Contribution ID: 73

Type: **not specified**

Experiment lecture: Forward Physics and Detector II

Thursday, 21 July 2022 11:20 (1h 10m)

Presenter: JENTSCH, Alexander (Brookhaven National Laboratory)

Contribution ID: 74

Type: **not specified**

Computing lecture: High Performance Computing III

Thursday, 21 July 2022 08:30 (1h 10m)

Presenter: JOO, Balint

Contribution ID: 75

Type: **not specified**

Experiment lecture: Jets and Heavy Quarks at the EIC I

Thursday, 21 July 2022 09:55 (1h 10m)

Presenters: ARRATIA, Miguel (University of California, Riverside); ARRATIA, Miguel (University of Cambridge)

Contribution ID: 76

Type: **not specified**

Experiment lecture: Tracking

Thursday, 21 July 2022 14:00 (1h 10m)

Presenter: HIGINBOTHAM, Douglas (Jefferson Lab)

Contribution ID: 77

Type: **not specified**

Experiment lecture: Jets and Heavy Quarks at the EIC II

Friday, 22 July 2022 08:30 (1h 10m)

Presenters: ARRATIA, Miguel (University of Cambridge); ARRATIA, Miguel (University of California, Riverside)

Contribution ID: 78

Type: **not specified**

Future of the EIC

Friday, 22 July 2022 14:30 (30 minutes)

Presenter: DESHPANDE, Abhay (Stony Brook University)

Contribution ID: 79

Type: **not specified**

Experiment lecture: Calorimetry

Friday, 22 July 2022 09:55 (1h 10m)

Presenter: HIGINBOTHAM, Douglas (Jefferson Lab)

Contribution ID: **80**

Type: **not specified**

Experiment lecture: Jets and Heavy Quarks at the EIC III

Friday, 22 July 2022 11:20 (1h 10m)

Presenters: ARRATIA, Miguel (University of California, Riverside); ARRATIA, Miguel (University of Cambridge)

Contribution ID: **81**

Type: **not specified**

Coffee & Cookies

Contribution ID: **82**

Type: **not specified**

Introduction to the school

Monday, 11 July 2022 08:10 (20 minutes)

Presenters: DESHPANDE, Abhay (Stony Brook University); PROKUDIN, Alexei (Penn State Berks)

Contribution ID: **83**

Type: **not specified**

Adjourn

Friday, 22 July 2022 15:00 (15 minutes)

Contribution ID: **84**

Type: **not specified**

Students seminars

Contribution ID: 85

Type: **not specified**

Students seminars

Contribution ID: **86**

Type: **not specified**

The origin of spin asymmetries

Thursday, 14 July 2022 14:00 (1h 10m)

Presenter: PROKUDIN, Alexei (Penn State Berks)

Contribution ID: 87

Type: **not specified**

Luminosity Detector Studies at the EIC

Tuesday, 19 July 2022 15:30 (15 minutes)

Presenter: GIRI, Aranya

Contribution ID: **88**

Type: **not specified**

CGC base line for two particle correlation in UPC

Tuesday, 19 July 2022 15:45 (15 minutes)

Presenter: DUAN, Haowu

Contribution ID: **89**

Type: **not specified**

VR for EIC

Monday, 18 July 2022 12:30 (20 minutes)

Presenters: PREINS, Sean (University of California, Riverside); PREINS, Sean (Student@ucr.edu)

Contribution ID: 90

Type: **not specified**

Extraction fractions moments using Machine Learning techniques in $pp \rightarrow \pi + \gamma$ process

Thursday, 21 July 2022 15:30 (15 minutes)

Presenter: DAVID FRANCISCO RENTERIA ESTRADA

Contribution ID: 91

Type: **not specified**

Transverse Single-Spin Asymmetry for Diffractive Electromagnetic Jets at Forward Rapidities in $p^\uparrow + p$ Collisions at $\sqrt{s} = 200$ GeV at STAR

Thursday, 21 July 2022 15:45 (15 minutes)

Presenters: XILIN LIANG; LIANG, Xilin (University of California, Riverside)

Contribution ID: 92

Type: **not specified**

Azimuthal Transverse Single-Spin Asymmetries of Charged Hadrons within Jets from Polarized p+Au Collisions at $\sqrt{s} = 200$ GeV

Thursday, 21 July 2022 16:00 (15 minutes)

Presenter: ABOONA, Bassam (student@tam.u.edu;member@tam.u.edu;employee@tam.u.edu)

Contribution ID: 93

Type: **not specified**

Quark and Gluon Helicity at Small Bjorken x

Thursday, 21 July 2022 16:15 (15 minutes)

Presenter: TAWABUTR, Yossathorn (The Ohio State University)

Contribution ID: 94

Type: **not specified**

Revisiting DDVCS for phenomenological studies

Thursday, 21 July 2022 16:30 (15 minutes)

Presenter: VICTOR MARTINEZ-FERNANDEZ

Contribution ID: 95

Type: **not specified**

SBS/BB Spectrometer for GMn/nTPE experiment at JLab

Presenter: BAI, Xinzhan (staff@virginia.edu;member@virginia.edu;alum@virginia.edu;employee@virginia.edu)

Contribution ID: 96

Type: **not specified**

R&D effort for the LAPPD as part of the upcoming EIC

Tuesday, 19 July 2022 16:00 (15 minutes)

Presenter: MUHAMMAD ALIBORDI

Contribution ID: 97

Type: **not specified**

R&D for SiPM-on-tile technology for forward hadronic calorimetry at the EIC

Thursday, 21 July 2022 16:45 (15 minutes)

Presenters: PREINS, Sean (Student@ucr.edu); PREINS, Sean (University of California, Riverside)

Contribution ID: **98**

Type: **not specified**

Next-to-leading order photon+jet production

Tuesday, 19 July 2022 16:30 (15 minutes)

Presenter: MULLIAN, Yair (University of Jyväskylä)

Contribution ID: 99

Type: **not specified**

Lattice Effective Field Theory and Leuscher Methods for Finite Volume Scattering

Tuesday, 19 July 2022 16:15 (15 minutes)

Presenter: MOSCOSO, Joseph (student@unc.edu;employee@unc.edu;alum@unc.edu;member@unc.edu;staff@unc.edu)

Contribution ID: **100**

Type: **not specified**

Searching for the dead cone effect in beauty and charm jets at LHCb

Tuesday, 19 July 2022 16:45 (15 minutes)

Presenter: CHAHROUR, Ibrahim (University of Michigan)