

EICUG Summer 2021 Meeting



Report of Contributions

Contribution ID: **1**

Type: **not specified**

Welcome

Session Classification: Monday Session

Contribution ID: 2

Type: **not specified**

EICUG Welcome Address

Monday 2 August 2021 10:00 (20 minutes)

Presenters: SURROW, Bernd (Temple University); MILNER, Richard (MIT)

Session Classification: Plenary Monday Morning Session, Chair: Richard Milner

Contribution ID: 3

Type: **not specified**

EIC project status updates

Monday 2 August 2021 10:20 (45 minutes)

Presenter: YECK, James (University of Wisconsin-Madison and Brookhaven National Laboratory)

Session Classification: Plenary Monday Morning Session, Chair: Richard Milner

Contribution ID: 4

Type: **not specified**

High-level physics presentation (Spin)

Monday 2 August 2021 11:45 (30 minutes)

Presenter: PROKUDIN, Alexei (Penn State Berks)

Session Classification: Plenary Monday Morning Session, Chair: Richard Milner

Contribution ID: 5

Type: **not specified**

High-level physics presentation (Mass)

Monday 2 August 2021 11:15 (30 minutes)

Presenter: QIU, Jianwei (Jefferson Lab)

Session Classification: Plenary Monday Morning Session, Chair: Richard Milner

Contribution ID: 6

Type: **not specified**

High-level physics presentation (high-density gluons)

Monday 2 August 2021 12:15 (30 minutes)

Presenter: MCLERRAN, Larry (University of Washington / INT)

Session Classification: Plenary Monday Morning Session, Chair: Richard Milner

Contribution ID: 7

Type: **not specified**

DOE perspective

Monday 2 August 2021 13:50 (30 minutes)

Presenter: HALLMAN, Timothy (Department of Energy, Office of Nuclear Physics)

Session Classification: Plenary Monday Afternoon Session, Chair: Bernd Surrow

Contribution ID: 8

Type: **not specified**

NSF perspective

Monday 2 August 2021 13:20 (30 minutes)

Presenter: OPPER, Allena (NSF)

Session Classification: Plenary Monday Afternoon Session, Chair: Bernd Surrow

Contribution ID: 9

Type: **not specified**

CERN

Contribution ID: **10**

Type: **not specified**

NUPECC perspective

Monday 2 August 2021 14:20 (30 minutes)

Presenter: LEWITOWICZ , Marek (Nuclear Physics European Collaboration Committee (NUPECC))

Session Classification: Plenary Monday Afternoon Session, Chair: Bernd Surrow

Contribution ID: 11

Type: **not specified**

Announcement of Election Results

Tuesday 3 August 2021 10:00 (10 minutes)

Presenters: HIGINBOTHAM, Douglas (Jefferson Lab); RUSPA, Marta (Univ Piemonte Orientale & INFN, Torino)

Session Classification: Plenary Tuesday Morning Session, Chair: Olga Evdokimov

Contribution ID: 12

Type: **not specified**

NN

Contribution ID: 13

Type: **not specified**

EIC accelerator design overview / updates

Tuesday 3 August 2021 10:40 (45 minutes)

Presenter: WILLEKE, Ferdinand (BNL)

Session Classification: Plenary Tuesday Morning Session, Chair: Olga Evdokimov

Contribution ID: **14**

Type: **not specified**

IR design overview IP6

Tuesday 3 August 2021 11:25 (30 minutes)

Presenter: WITTE, Holger (BNL)

Session Classification: Plenary Tuesday Morning Session, Chair: Olga Evdokimov

Contribution ID: 15

Type: **not specified**

ATHENA: Proposal Overview

Tuesday 3 August 2021 13:00 (30 minutes)

Presenter: DALLA TORRE, Silvia (INFN, Trieste)

Session Classification: Plenary Tuesday Afternoon Session: Chair: Miguel Arratia

Contribution ID: **16**

Type: **not specified**

CORE: Proposal Overview

Tuesday 3 August 2021 13:30 (30 minutes)

Presenter: NADEL-TURONSKI, Pawel (Jefferson Lab)

Session Classification: Plenary Tuesday Afternoon Session: Chair: Miguel Arratia

Contribution ID: 17

Type: **not specified**

ECCE: Proposal Overview

Tuesday 3 August 2021 14:00 (30 minutes)

Presenter: HEN, Or (MIT)

Session Classification: Plenary Tuesday Afternoon Session: Chair: Miguel Arratia

Contribution ID: **18**

Type: **not specified**

2nd IR Workshop Series Status / Updates

Tuesday 3 August 2021 14:30 (30 minutes)

Presenter: ELOUADRHIRI, Latifa

Session Classification: Plenary Tuesday Afternoon Session: Chair: Miguel Arratia

Contribution ID: **19**

Type: **not specified**

Calorimetry: ATHENA/CORE/ECCE

Contribution ID: 20

Type: **not specified**

Calorimetry: ATHENA/CORE/ECCE

Contribution ID: 21

Type: **not specified**

Tracking: ATHENA/CORE/ECCE

Contribution ID: 22

Type: **not specified**

PID: ATHENA/CORE/ECCE

Contribution ID: 23

Type: **not specified**

Backward & Forward: ATHENA/CORE/ECCE

Contribution ID: 24

Type: **not specified**

Electronics/Computing: ATHENA/CORE/ECCE

Contribution ID: 25

Type: **not specified**

Computing resources and infrastructure

Contribution ID: 26

Type: **not specified**

Software

Contribution ID: 27

Type: **not specified**

Polarimetry

Contribution ID: **28**

Type: **not specified**

Physics

Contribution ID: **29**

Type: **not specified**

Detector R&D

Contribution ID: **30**

Type: **not specified**

Summary of Early Career Scientist day

Friday 6 August 2021 14:45 (30 minutes)

Presenter: RITTENHOUSE WEST, Jennifer (UC Berkeley & EIC Center JLab)

Session Classification: Plenary Friday afternoon session, Chair: Narbe Kalantarians

Contribution ID: **31**

Type: **not specified**

EICUG - Next steps

Friday 6 August 2021 15:15 (30 minutes)

Presenter: SURROW, Bernd (Temple University)

Session Classification: Plenary Friday afternoon session, Chair: Narbe Kalantarians

Contribution ID: 32

Type: **not specified**

Successfully engaging MSIs in Nuclear Physics

Friday 6 August 2021 14:15 (30 minutes)

Presenter: GUEYE, Paul (Michigan State University)

Session Classification: Plenary Friday afternoon session, Chair: Narbe Kalantarians

Contribution ID: **33**

Type: **not specified**

Discussion

Tuesday 3 August 2021 15:00 (1 hour)

Session Classification: Plenary Tuesday Afternoon Session: Chair: Miguel Arratia

Contribution ID: **34**

Type: **not specified**

IR design overview IP8

Tuesday 3 August 2021 11:55 (30 minutes)

Presenter: GAMAGE, Randika (JLab)

Session Classification: Plenary Tuesday Morning Session, Chair: Olga Evdokimov

Contribution ID: 35

Type: **not specified**

DE&I Survey results

Friday 6 August 2021 13:45 (30 minutes)

Presenter: DECONINCK, Wouter

Session Classification: Plenary Friday afternoon session, Chair: Narbe Kalantarians

Contribution ID: 36

Type: **not specified**

Connecting observables with pdf-type quantities related to spin and OAM

Presenter: Dr ASCHENAUER, E. C. (BNL)

Contribution ID: 37

Type: **not specified**

Connecting observables with pdf-type quantities related to spin and OAM

Friday 6 August 2021 10:00 (25 minutes)

Presenter: ASCHENAUER, E. C. (BNL)

Session Classification: Plenary Friday Morning Session: Chair: Yuri Kovchegov

Contribution ID: **38**

Type: **not specified**

Proton spin at small x

Friday 6 August 2021 10:25 (25 minutes)

Presenter: PITONYAK, Daniel (Lebanon Valley College)

Session Classification: Plenary Friday Morning Session: Chair: Yuri Kovchegov

Contribution ID: 39

Type: **not specified**

Connecting observables with different terms contributing to the proton mass

Friday 6 August 2021 10:50 (25 minutes)

Presenter: HATTA, Yoshitaka (BNL)

Session Classification: Plenary Friday Morning Session: Chair: Yuri Kovchegov

Contribution ID: 40

Type: **not specified**

TMD extraction from data

Friday 6 August 2021 11:15 (25 minutes)

Presenter: VLADIMIROV, Alexey (University of Regensburg)

Session Classification: Plenary Friday Morning Session: Chair: Yuri Kovchegov

Contribution ID: 41

Type: **not specified**

Progress in calculating Quasi-PDFs, GPDs, and TMDs on the lattice

Friday 6 August 2021 11:40 (25 minutes)

Presenter: ZHAO, Yong (Brookhaven National Laboratory)

Session Classification: Plenary Friday Morning Session: Chair: Yuri Kovchegov

Contribution ID: 42

Type: **not specified**

Connecting observables with high-density / saturation phenomena

Friday 6 August 2021 12:05 (25 minutes)

Presenter: XIAO, Bowen (The Chinese University of Hong Kong-(Shenzhen))

Session Classification: Plenary Friday Morning Session: Chair: Yuri Kovchegov

Contribution ID: 43

Type: **not specified**

Discussion

Friday 6 August 2021 12:30 (30 minutes)

Session Classification: Plenary Friday Morning Session: Chair: Yuri Kovchegov

Contribution ID: 44

Type: **not specified**

ECCE Calorimetry

Wednesday 4 August 2021 10:30 (15 minutes)

Presenter: BOCK, Friederike (ORNL)

Session Classification: Calorimetry: ATHENA/CORE/ECCE / Chair: Bernd Surrow

Contribution ID: 45

Type: **not specified**

ECCE Tracking

Wednesday 4 August 2021 11:30 (15 minutes)

Presenter: LI, Xuan (Los Alamos National Laboratory)

Session Classification: Tracking: ATHENA/CORE/ECCE / Chair: Tanja Horn

Contribution ID: 46

Type: **not specified**

ECCE PID

Wednesday 4 August 2021 12:30 (15 minutes)

Presenter: HE, Xiaochun (Georgia State University)

Session Classification: PID: ATHENA/CORE/ECCE / Chair: Miguel Arratia Munoz

Contribution ID: 47

Type: **not specified**

ECCE Backward/Forward

Wednesday 4 August 2021 14:15 (15 minutes)

Presenter: KOROVER, Igor (MIT)

Session Classification: Backward & Forward: ATHENA/CORE/ECCE / Chair: Or Hen

Contribution ID: 48

Type: **not specified**

ECCE: Computing/Electronics

Wednesday 4 August 2021 15:15 (15 minutes)

Presenter: DEAN, Cameron (LANL)

Session Classification: Computing/Electronics: ATHENA/CORE/ECCE / Chair: Narbe Kalantarians

Contribution ID: 49

Type: **not specified**

Calorimetry Q&A

Wednesday 4 August 2021 10:45 (15 minutes)

Session Classification: Calorimetry: ATHENA/CORE/ECCE / Chair: Bernd Surrow

Contribution ID: 50

Type: **not specified**

Tracking Q&A

Wednesday 4 August 2021 11:45 (15 minutes)

Session Classification: Tracking: ATHENA/CORE/ECCE / Chair: Tanja Horn

Contribution ID: **51**

Type: **not specified**

PI Q&A

Wednesday 4 August 2021 12:45 (15 minutes)

Session Classification: PID: ATHENA/CORE/ECCE / Chair: Miguel Arratia Munoz

Contribution ID: 52

Type: **not specified**

Backward/Forward Q&A

Wednesday 4 August 2021 14:30 (15 minutes)

Session Classification: Backward & Forward: ATHENA/CORE/ECCE / Chair: Or Hen

Contribution ID: 53

Type: **not specified**

Computing/Electronics Q&A

Wednesday 4 August 2021 15:30 (15 minutes)

Session Classification: Computing/Electronics: ATHENA/CORE/ECCE / Chair: Narbe Kalantarians

Contribution ID: 54

Type: **not specified**

Introduction to the ECCG

Thursday 5 August 2021 10:00 (25 minutes)

Presenter: LAURET, Jerome (Brookhaven National Laboratory)

Session Classification: Computing resources and infrastructure

Contribution ID: 55

Type: **not specified**

DAQ activities (flash)

Thursday 5 August 2021 10:25 (5 minutes)

Presenter: BERNAUER, Jan (Stony Brook University and RBRC)

Session Classification: Computing resources and infrastructure

Contribution ID: 56

Type: **not specified**

Distributed DAQ system (ERSAP)

Thursday 5 August 2021 10:30 (20 minutes)

Presenter: GYURJYAN, Vardan

Session Classification: Computing resources and infrastructure

Contribution ID: 57

Type: **not specified**

AI-enabled Physics Trigger System

Thursday 5 August 2021 10:50 (20 minutes)

Presenter: YU, Dantong (Computational Science Center)

Session Classification: Computing resources and infrastructure

Contribution ID: 58

Type: **not specified**

AI/ML and Detector co-design

Thursday 5 August 2021 11:10 (20 minutes)

Presenter: FANELLI, Cristiano (MIT)

Session Classification: Computing resources and infrastructure

Contribution ID: 59

Type: **not specified**

ATHENA Calorimetry

Wednesday 4 August 2021 10:00 (15 minutes)

Presenter: BERDNIKOV, Vladimir V. (CUA)

Session Classification: Calorimetry: ATHENA/CORE/ECCE / Chair: Bernd Surrow

Contribution ID: **60**

Type: **not specified**

ATHENA Software Overview

Thursday 5 August 2021 11:35 (15 minutes)

Presenter: JOOSTEN, Sylvester (Argonne National Laboratory)

Session Classification: Software

Contribution ID: **61**

Type: **not specified**

ECCE Software Overview

Thursday 5 August 2021 11:50 (15 minutes)

Presenter: OSBORN, Joe (Oak Ridge National Laboratory)

Session Classification: Software

Contribution ID: **62**

Type: **not specified**

Status of Validation

Thursday 5 August 2021 12:05 (15 minutes)

Presenter: EIC-INDIA

Session Classification: Software

Contribution ID: **63**

Type: **not specified**

Project eAST Overview

Thursday 5 August 2021 12:20 (15 minutes)

Presenter: DECONINCK, Wouter

Session Classification: Software

Contribution ID: 64

Type: **not specified**

Software Working Group Overview

Thursday 5 August 2021 12:35 (10 minutes)

Presenter: DIEFENTHALER, Markus (Jefferson Lab)

Session Classification: Software

Contribution ID: 65

Type: **not specified**

Discussion

Thursday 5 August 2021 12:45 (15 minutes)

Session Classification: Software

Contribution ID: 66

Type: **not specified**

Software Session Overview

Thursday 5 August 2021 11:30 (5 minutes)

Presenters: BRESSAN, Andrea (University of Trieste and INFN); Dr DIEFENTHALER, Markus (Jefferson Lab); WENAUS, Torre (BNL)

Session Classification: Software

Contribution ID: 67

Type: **not specified**

ATHENA Tracking

Wednesday 4 August 2021 11:00 (15 minutes)

Presenter: GONELLA, Laura (University of Birmingham)

Session Classification: Tracking: ATHENA/CORE/ECCE / Chair: Tanja Horn

Contribution ID: 68

Type: **not specified**

ATHENA Computing/Electronics

Wednesday 4 August 2021 14:45 (15 minutes)

Presenter: LANDGRAF, Jeff (Brookhaven National Laboratory)

Session Classification: Computing/Electronics: ATHENA/CORE/ECCE / Chair: Narbe Kalantarians

Contribution ID: **69**

Type: **not specified**

ATHENA PID

Wednesday 4 August 2021 12:00 (15 minutes)

Presenter: HEMMICK, Thomas (Stony Brook University)

Session Classification: PID: ATHENA/CORE/ECCE / Chair: Miguel Arratia Munoz

Contribution ID: 70

Type: **not specified**

ATHENA Backward/Forward

Wednesday 4 August 2021 13:45 (15 minutes)

Presenter: JENTSCH, Alexander (Brookhaven National Lab)

Session Classification: Backward & Forward: ATHENA/CORE/ECCE / Chair: Or Hen

Contribution ID: 71

Type: **not specified**

CORE Calorimetry

Wednesday 4 August 2021 10:15 (15 minutes)

Presenter: JACOBS, William (CEEM / Indiana University)

Session Classification: Calorimetry: ATHENA/CORE/ECCE / Chair: Bernd Surrow

Contribution ID: 72

Type: **not specified**

CORE Tracking

Wednesday 4 August 2021 11:15 (15 minutes)

Presenter: NADEL-TURONSKI, Pawel (Jefferson Lab)

Session Classification: Tracking: ATHENA/CORE/ECCE / Chair: Tanja Horn

Contribution ID: 73

Type: **not specified**

CORE PID

Wednesday 4 August 2021 12:15 (15 minutes)

Presenter: KALICY, Grzegorz (CUA)

Session Classification: PID: ATHENA/CORE/ECCE / Chair: Miguel Arratia Munoz

Contribution ID: 74

Type: **not specified**

CORE Backward/Forward

Wednesday 4 August 2021 14:00 (15 minutes)

Presenter: HYDE, Charles (Old Dominion University)

Session Classification: Backward & Forward: ATHENA/CORE/ECCE / Chair: Or Hen

Contribution ID: 75

Type: **not specified**

CORE Computing/Electronics

Wednesday 4 August 2021 15:00 (15 minutes)

Presenter: VARNER, Gary (University of Hawaii)

Session Classification: Computing/Electronics: ATHENA/CORE/ECCE / Chair: Narbe Kalantarians

Contribution ID: 76

Type: **not specified**

Polarimetry Overview

Thursday 5 August 2021 13:45 (15 minutes)

Presenter: ASCHENAUER, E. C. (BNL)

Session Classification: Polarimetry

Contribution ID: 77

Type: **not specified**

Hadron Polarimetry Simulations

Thursday 5 August 2021 14:00 (20 minutes)

Presenters: NUNES, Ana Sofia (Brookhaven National Laboratory); EYSER, Oleg (BNL)

Session Classification: Polarimetry

Contribution ID: 78

Type: **not specified**

Hadron Polarimetry - RHIC tests

Thursday 5 August 2021 14:20 (20 minutes)

Presenter: SCHMIDKE, William (BNL)

Session Classification: Polarimetry

Contribution ID: 79

Type: **not specified**

Compton Polarimetry

Thursday 5 August 2021 14:40 (20 minutes)

Presenter: GAL, Ciprian (Stony Brook University)

Session Classification: Polarimetry

Contribution ID: **80**

Type: **not specified**

RCS Polarimetry

Thursday 5 August 2021 15:00 (15 minutes)

Presenter: GASKELL, Dave

Session Classification: Polarimetry

Contribution ID: **81**

Type: **not specified**

Compton polarimeter update (layout, simulations, detectors)

Presenter: GAL, Ciprian (Stony Brook University)

Session Classification: Polarimetry

Contribution ID: **84**

Type: **not specified**

Statement from lab management - Detector proposal review process

Monday 2 August 2021 11:05 (10 minutes)

Presenters: MCKEOWN , Bob (JLab); GAO, Haiyan (BNL)

Session Classification: Plenary Monday Morning Session, Chair: Richard Milner

Contribution ID: 85

Type: **not specified**

Welcome / IB news

Saturday 7 August 2021 10:00 (15 minutes)

Presenters: BRESSAN, Andrea (University of Trieste and INFN); EVDOKIMOV, Olga (UIC)

Session Classification: IB Meeting

Contribution ID: 86

Type: **not specified**

Report/Remarks by outgoing EICUG Chair

Saturday 7 August 2021 10:15 (15 minutes)

Presenter: SURROW, Bernd (Temple University)

Session Classification: IB Meeting

Contribution ID: 87

Type: **not specified**

Welcome/Remarks by incoming EICUG Chair

Saturday 7 August 2021 10:30 (15 minutes)

Presenter: FATEMI, Renee (University of Kentucky)

Session Classification: IB Meeting

Contribution ID: **88**

Type: **not specified**

Election Stats/ Discussion

Saturday 7 August 2021 10:45 (15 minutes)

Presenters: HIGINBOTHAM, Douglas (Jefferson Lab); EVDOKIMOV, Olga (UIC)

Session Classification: IB Meeting

Contribution ID: 89

Type: **not specified**

Next EICUG meeting planing

Saturday 7 August 2021 11:00 (15 minutes)

Presenters: BADELEK, Barbara (University of Warsaw (PL)); EVDOKIMOV, Olga (UIC)

Session Classification: IB Meeting

Contribution ID: **90**

Type: **not specified**

Regional Updates

Saturday 7 August 2021 11:15 (30 minutes)

China, India, Italy

Presenters: EVDOKIMOV, Olga (UIC); XU, Qinghua (SDU); DALLA TORRE, Silvia (INFN, Trieste)

Session Classification: IB Meeting

Contribution ID: **91**

Type: **not specified**

NUPECC perspective

Tuesday 3 August 2021 10:10 (30 minutes)

Presenter: LEWITOWICZ , Marek (Marek.Lewitowicz@ganil.fr)

Session Classification: Plenary Tuesday Morning Session, Chair: Olga Evdokimov

Contribution ID: 92

Type: **not specified**

Open Mic Discussion

Saturday 7 August 2021 11:45 (30 minutes)

Presenters: BRESSAN, Andrea (University of Trieste and INFN); EVDOKIMOV, Olga (UIC)

Session Classification: IB Meeting