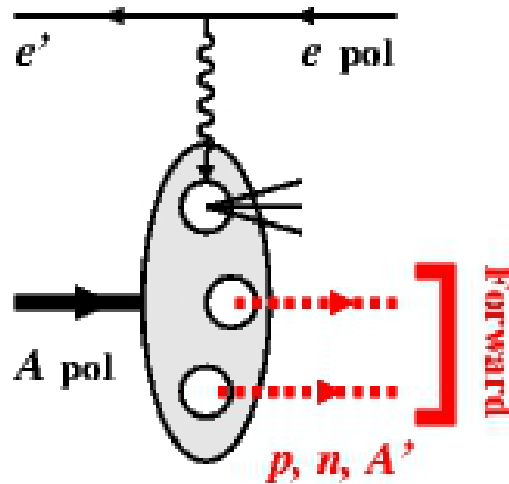


Exploring QCD with light nuclei at EIC



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Tuesday, 21 January 2020 08:45 (15 minutes)

Presenter: DESHPANDE, Abhay (Stony Brook University)

Contribution ID: 2

Type: **not specified**

Introduction and plan of meeting

Tuesday, 21 January 2020 09:00 (20 minutes)

Presenter: ORGANIZERS

Contribution ID: 3

Type: **not specified**

Target fragmentation and fracture functions

Tuesday, 21 January 2020 09:20 (40 minutes)

Presenter: FEDERICO CECCOPIERI

Session Classification: Nucleon fragmentation / Nuclear breakup

Contribution ID: 4

Type: **not specified**

Nucleon fragmentation dynamics and spin dependence

Tuesday, 21 January 2020 10:00 (30 minutes)

Presenter: STRIKMAN, Mark

Session Classification: Nucleon fragmentation / Nuclear breakup

Contribution ID: 5

Type: **not specified**

Nuclear breakup measurements in DIS: Motivation, theory, applications

Tuesday, 21 January 2020 11:30 (30 minutes)

Presenter: WEISS, Christian (Jefferson Lab)

Session Classification: Nucleon fragmentation / Nuclear breakup

Contribution ID: 6

Type: **not specified**

Discussion: Target fragmentation physics with EIC

Tuesday, 21 January 2020 12:00 (30 minutes)

Session Classification: Nucleon fragmentation / Nuclear breakup

Contribution ID: 7

Type: **not specified**

Spin structure measurements with polarized ^3He

Presenter: MAXWELL, James

Contribution ID: 8

Type: **not specified**

Spin structure measurements with polarized ^3He

Tuesday, 21 January 2020 14:00 (40 minutes)

Presenter: MAXWELL, James (Jefferson Lab)

Session Classification: Neutron structure: Inclusive, tagged, spin, GPDs

Contribution ID: 9

Type: **not specified**

^3He spin structure and intrinsic isobars

Tuesday, 21 January 2020 14:40 (30 minutes)

Presenter: GUZEY, Vadim (Petersburg Nuclear Physics Institute)

Session Classification: Neutron structure: Inclusive, tagged, spin, GPDs

Contribution ID: **10**

Type: **not specified**

Polarized deuteron DIS with spectator tagging

Tuesday, 21 January 2020 15:10 (40 minutes)

Presenter: COSYN, Wim (Ghent University)

Session Classification: Neutron structure: Inclusive, tagged, spin, GPDs

Contribution ID: 11

Type: **not specified**

Neutron spin structure from SIDIS and DVCS on ^3He

Tuesday, 21 January 2020 16:20 (30 minutes)

Presenter: SCOPETTA, Sergio

Session Classification: Neutron structure: Inclusive, tagged, spin, GPDs

Contribution ID: 12

Type: **not specified**

Neutron GPD fixed-target measurements

Tuesday, 21 January 2020 16:50 (40 minutes)

Presenter: BISELLI, Angela (Fairfield University)

Session Classification: Neutron structure: Inclusive, tagged, spin, GPDs

Contribution ID: 13

Type: **not specified**

Discussion: Neutron spin structure with EIC

Tuesday, 21 January 2020 17:30 (30 minutes)

Session Classification: Neutron structure: Inclusive, tagged, spin, GPDs

Contribution ID: 14

Type: **not specified**

Describing few body systems at the limit of nucleonic DoF

Wednesday, 22 January 2020 09:00 (30 minutes)

Presenter: SARGSIAN, Misak (Florida International University)

Session Classification: SRC: Nucleonic degrees of freedom, nuclear core

Contribution ID: 15

Type: **not specified**

Probing the deuteron at extremely large internal momenta

Wednesday, 22 January 2020 09:30 (30 minutes)

Presenter: BOEGLIN, Werner

Session Classification: SRC: Nucleonic degrees of freedom, nuclear core

Contribution ID: 16

Type: **not specified**

Introduction to short-range correlations

Wednesday, 22 January 2020 10:00 (30 minutes)

Presenter: PIASETZKY, Eli

Session Classification: SRC: Nucleonic degrees of freedom, nuclear core

Contribution ID: 17

Type: **not specified**

Contact formalism and SRC universality

Wednesday, 22 January 2020 10:50 (20 minutes)

Presenter: CRUZ TORRES, Reynier

Session Classification: SRC: Nucleonic degrees of freedom, nuclear core

Contribution ID: **18**

Type: **not specified**

SRC and the core of the NN interaction

Wednesday, 22 January 2020 11:10 (20 minutes)

Presenter: PYBUS, Jackson

Session Classification: SRC: Nucleonic degrees of freedom, nuclear core

Contribution ID: **19**

Type: **not specified**

SRC scaling at $x > 1$

Wednesday, 22 January 2020 11:30 (20 minutes)

Presenter: DENNISTON, Andrew

Session Classification: SRC: Nucleonic degrees of freedom, nuclear core

Contribution ID: 20

Type: **not specified**

JLab A=3 (e,e'p) experiment

Wednesday, 22 January 2020 11:50 (20 minutes)

Presenter: NGUYEN, Dien

Session Classification: SRC: Nucleonic degrees of freedom, nuclear core

Contribution ID: 21

Type: **not specified**

Discussion: SRC, nuclear core, contact formalism

Wednesday, 22 January 2020 12:10 (50 minutes)

Session Classification: SRC: Nucleonic degrees of freedom, nuclear core

Contribution ID: 22

Type: **not specified**

Toward 3N correlations

Wednesday, 22 January 2020 14:00 (40 minutes)

Presenter: DAY, Donal

Session Classification: SRC: 3N Correlations / Nuclear pions

Contribution ID: 23

Type: **not specified**

Seeing nuclear pions at EIC

Wednesday, 22 January 2020 14:40 (40 minutes)

Presenter: MILLER, Gerald (UW)

Session Classification: SRC: 3N Correlations / Nuclear pions

Contribution ID: 24

Type: **not specified**

Inclusive electron scattering results with JLab 6 and 12 GeV

Wednesday, 22 January 2020 15:50 (40 minutes)

Presenter: ARRINGTON, John (Argonne National Lab)

Session Classification: SRC: SRC-EMC Connection / Gluonic structure

Contribution ID: 25

Type: **not specified**

EMC-SRC connection and free neutron structure

Wednesday, 22 January 2020 16:30 (40 minutes)

Presenter: SEGARRA, Efrain (Massachusetts Institute of Technology)

Session Classification: SRC: SRC-EMC Connection / Gluonic structure

Contribution ID: 26

Type: **not specified**

Gluonic structure of SRCs from high-momentum deuteron breakup

Wednesday, 22 January 2020 17:10 (40 minutes)

Presenter: VENUGOPALAN, Raju (BNL)

Session Classification: SRC: SRC-EMC Connection / Gluonic structure

Contribution ID: 27

Type: **not specified**

Discussion: SRC studies with EIC

Wednesday, 22 January 2020 17:50 (40 minutes)

Session Classification: SRC: SRC-EMC Connection / Gluonic structure

Contribution ID: **28**

Type: **not specified**

Dinner

Wednesday, 22 January 2020 19:00 (2 hours)

Contribution ID: 29

Type: **not specified**

Exclusive J/psi production on light nuclei

Thursday, 23 January 2020 09:00 (40 minutes)

Presenter: JOOSTEN, Sylvester (Temple University)

Session Classification: Gluonic structure / Coherent processes

Contribution ID: **30**

Type: **not specified**

Discussion: Coherent processes on light nuclei with EIC

Thursday, 23 January 2020 09:40 (20 minutes)

Session Classification: Gluonic structure / Coherent processes

Contribution ID: 31

Type: **not specified**

DVCS on He nuclei

Thursday, 23 January 2020 13:30 (30 minutes)

Presenter: SCOPETTA, Sergio

Session Classification: Coherent processes

Contribution ID: 32

Type: **not specified**

Partonic structure of tensor-polarized deuteron

Thursday, 23 January 2020 14:00 (40 minutes)

Presenter: KUMANO, Shunzo (KEK)

Session Classification: Tensor polarization

Contribution ID: 33

Type: **not specified**

Tensor polarized deuteron target development

Thursday, 23 January 2020 14:40 (30 minutes)

Presenter: SLIFER, Karl

Session Classification: Tensor polarization

Contribution ID: 34

Type: **not specified**

Tensor polarized measurements with EIC

Thursday, 23 January 2020 15:10 (30 minutes)

Presenter: LONG, Ellie

Session Classification: Tensor polarization

Contribution ID: 35

Type: **not specified**

Nuclear partonic structure from breakup measurements $A \geq 2$

Thursday, 23 January 2020 16:10 (30 minutes)

Presenter: DUPRE, Raphael (IPN Orsay)

Session Classification: Tagged EMC effect: Fixed-target, EIC

Contribution ID: 36

Type: **not specified**

Tagged EMC measurements with EIC

Thursday, 23 January 2020 16:40 (30 minutes)

Presenter: HAUENSTEIN, Florian (ODU)

Session Classification: Tagged EMC effect: Fixed-target, EIC

Contribution ID: 37

Type: **not specified**

Discussion: Nuclear partonic structure from tagged measurements with EIC

Thursday, 23 January 2020 17:10 (50 minutes)

Session Classification: Tagged EMC effect: Fixed-target, EIC

Contribution ID: **38**

Type: **not specified**

Leading-twist shadowing in inclusive and diffractive DIS

Friday, 24 January 2020 09:00 (40 minutes)

Presenter: GUZEY, Vadim (Petersburg Nuclear Physics Institute)

Session Classification: Shadowing / Fluctuations

Contribution ID: 39

Type: **not specified**

Diffraction and fluctuations in high-energy scattering on light nuclei

Friday, 24 January 2020 09:40 (40 minutes)

Presenter: SCHENKE, Bjoern (BNL)

Session Classification: Shadowing / Fluctuations

Contribution ID: 40

Type: **not specified**

Break

Session Classification: Shadowing / Fluctuations

Contribution ID: 41

Type: **not specified**

Concepts and challenges in forward ion detection with EIC

Friday, 24 January 2020 10:50 (30 minutes)

Presenter: NADEL-TURONSKI, Pawel (Jefferson Lab)

Session Classification: Forward ion detection with EIC

Contribution ID: 42

Type: **not specified**

EIC IR and forward detector design

Friday, 24 January 2020 11:50 (30 minutes)

Presenter: JENTSCH, Alexander (Brookhaven National Lab)

Session Classification: Forward ion detection with EIC

Contribution ID: 43

Type: **not specified**

Discussion: Forward ion detection with EIC

Friday, 24 January 2020 12:20 (40 minutes)

Session Classification: Forward ion detection with EIC

Contribution ID: 44

Type: **not specified**

Event reconstruction in inclusive eA scattering

Friday, 24 January 2020 14:00 (30 minutes)

Presenter: SCHMOOKLER, Barak (Stony Brook University)

Session Classification: EIC simulations / Planning

Contribution ID: 45

Type: **not specified**

Discussion: Simulation tools, collaboration, next steps

Friday, 24 January 2020 14:30 (2h 30m)

Session Classification: EIC simulations / Planning

Contribution ID: 46

Type: **not specified**

JLab TDIS experiment

Tuesday, 21 January 2020 11:00 (30 minutes)

Presenter: KEPPEL, Cynthia (Thomas Jefferson National Accelerator Facility)

Session Classification: Nucleon fragmentation / Nuclear breakup

Contribution ID: 47

Type: **not specified**

Beam optics and momentum resolution in forward ion detection with EIC

Friday, 24 January 2020 11:20 (30 minutes)

Presenter: HYDE, Charles (Old Dominion University)

Session Classification: Forward ion detection with EIC